TERIYAKI MADNESS

AT APPLE VALLEY

STORE 448,

12218 APPLE VALLEY ROAD, SUITE 108,

APPLE VALLEY, CALIFORNIA 92308

THE INFORMATION SHOWN ON THESE DRAWINGS IS BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME TO THE ARCHITECT. THIS INFORMATION CANNOT BE GUARANTEED TO SHOW EVERY EXISTING CONDITION. EACH CONTRACTOR ON THIS PROJECT SHALL READ AND STUDY THE TOTAL SET OF DRAWINGS FOR ALL WORK. CONTRACTORS MUST VISIT THE SITE AND DETERMINE ALL FIELD CONDITIONS. ALL DIMENSIONS SHALL BE VERIFIED AND ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT PRIOR TO BID SUBMISSION.

THE ARCHITECT AND HIS CONSULTANTS DO NOT WARRANTY OR GUARANTEE THE COMPLETENESS OF THE WORK BEYOND A REASONABLE DILIGENCE. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS ARE FOUND TO EXIST IN THE WORK PRODUCT, THE ARCHITECT SHALL BE PROMPTLY NOTIFIED SO THAT HE MAY HAVE THE OPPORTUNITY TO TAKE WHATEVER STEPS NECESSARY TO RESOLVE THE ISSUE. FAILURE TO PROMPTLY NOTIFY THE ARCHITECT OF SUCH CONDITIONS, SHALL ABSOLVE THE ARCHITECT FROM ANY RESPONSIBILITY OF SUCH FAILURE. ACTION TAKEN WITHOUT THE KNOWLEDGE AND CONSENT OF THE ARCHITECT, IN CONTRADICTION TO THE WORK PRODUCT, OR THE RECOMMENDATIONS OF THE ARCHITECT SHALL BECOME THE RESPONSIBILITY OF THE PARTIES RESPONSIBLE FOR TAKING SUCH ACTION.

THESE DRAWINGS WERE PREPARED BASED ON THE ASSUMPTION THAT ANY CONTRACTOR, SUBCONTRACTOR, SUPPLIER, OR VENDOR INVOLVED IN THE CONSTRUCTION OF THE WORK DESCRIBED HEREIN HAS EXPERIENCE IN THEIR RESPECTIVE AREAS OR DISCIPLINES THAT MAKE UP THE SCOPE OF THE PROJECT.

IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW EVERY DETAIL OR NUANCE THAT MAY BE REQUIRED TO CONSTRUCT THE WORK SHOWN. IN ADDITION, IT IS ASSUMED THAT EACH CONTRACTOR IS FAMILIAR WITH EACH PORTION OF THEIR WORK, WHETHER THEY ARE CONSTRUCTING OR ASSEMBLING THE REQUIRED COMPONENTS, OR FOLLOWING MANUFACTURER'S GUIDELINES, RECOMMENDATIONS, OR SPECIFICATIONS FOR A PARTICULAR PORTION OF THEIR WORK.

ANY WORK THAT INVOLVES UTILIZING A RE-MANUFACTURED COMPONENT, OR OTHER FIELD ASSEMBLED OR FIELD APPLIED SYSTEM IS THE SOLE RESPONSIBILITY OF THE ENTITY ENGAGED TO PERFORM THAT WORK. ANY ERRORS, OMISSIONS, DEFECTS, OR DAMAGES CAUSED BY ANY DEVIATION FROM THE MANUFACTURER'S GUIDELINES, RECOMMENDATIONS, OR SPECIFICATIONS, SHALL BE THE SOLE RESPONSIBILITY OF THE ENTITY RESPONSIBLE FOR SUCH ACTION, AND ANY REQUIRED REMEDIES, INCLUDING REPLACEMENT SHALL BE THE RESPONSIBILITY OF THE PARTY RESPONSIBLE FOR THE ERROR, OR OMISSION, THAT CAUSED THE DAMAGE OR DEFECT.

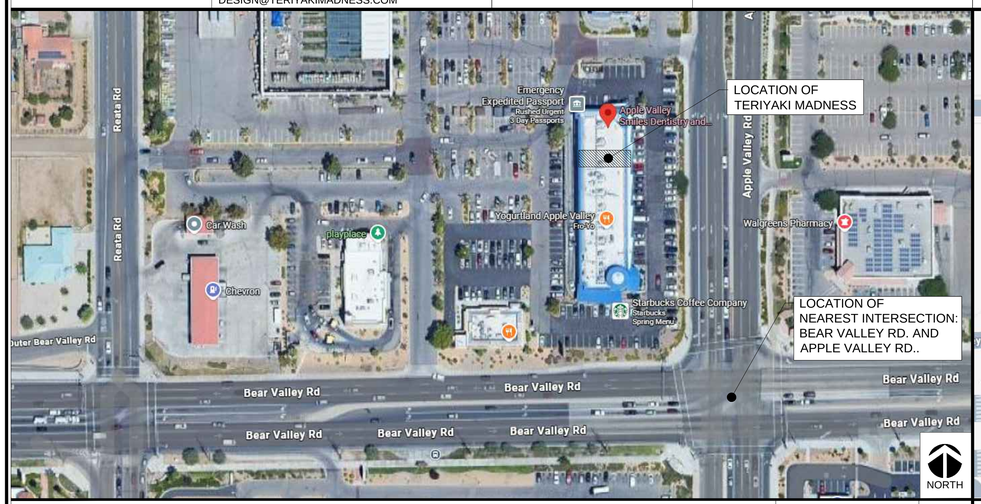
GENERAL NOTE | N.T.S. | 3

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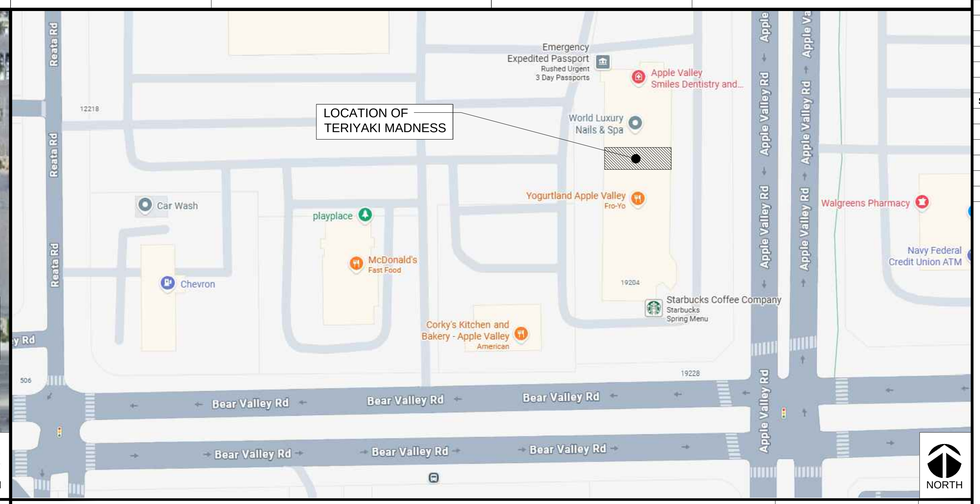
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PROJECT TEAM

TENANT / FRANCHISEE	**AV MADNESS LLC** 5505 E SANTA ANA CYN RD. #18822 ANAHEIM, CA 92817 CONTACT: SHIVAM KARDANI PHONE: (714) 600-4925 EMAIL: TMAD448@TERIYAKIMADNESS.COM	**LANDLORD / PROPERTY MANAGEMENT**	**MGR PROPERTY MANAGEMENT** 3800 E CONCOURS STREET, SUITE 100 ONTARIO, CA 91764 CONTACT: GREG BARNHART PHONE: (909) 581-6600	**MECHANICAL, ELECTRICAL AND PLUMBING ENGINEER**	**GEMINI ENGINEERING GROUP** 101 NIGHLINGER LANE MILLSAP, TX 76066 CONTACT: CLAYTON LUCAS PHONE: (817) 901-5191 EMAIL: CLUCAS@GEGMEP.COM	**STRUCTURAL ENGINEER**	**STRIVE ENGINEERING GROUP, INC.** 453 S. SPRING STREET, SUITE 400 LOS ANGELES, CA 90013 CONTACT: FEREIDOON ANGOORY & BRANDON HUMESTON PHONE: (602) 812-3705 & (323) 849-4707 EMAIL: BHUMESTON@STRIVEENG.COM & FRED@STRIVEENG.COM
FRANCHISOR	**TERIYAKI MADNESS** 950 S. CHERRY ST. SUITE 850 DENVER, CO 80246 CONTACT: JUSTIN HUGILL PHONE: (303) 437-2052 EMAIL: JUSTIN@TERIYAKIMADNESS.COM, CONSTRUCTION@TERIYAKIMADNESS.COM & DESIGN@TERIYAKIMADNESS.COM	**ARCHITECT / APPLICANT**	**SARGENTI ARCHITECTS** 5840 LEGACY CIRCLE, SUITE D230, PLANO, TEXAS 75024 CONTACT: AHMAD EL-ZEINY PHONE: (972) 521 - 8150 E-MAIL: TERIYAKIMADNESS@SARGARCH.COM	**KITCHEN CONSULTANT**	**CONCEPT SERVICES** 12521 AMHERST DRIVE AUSTIN TX 78727 CONTACT: JESSICA GOLDEN, KAREN CAZALAS PHONE: (866) 474-2537 EMAIL: JGOLDEN@CONCEPTSERV.COM, KCAZALAS@CONCEPTSERV.COM	**DIVERSEY EQUIPMENT**	**DIVERSEY - A SOLENIS COMPANY** 1300 ALTURA ROAD, SUITE 125 FORT MILL, SOUTH CAROLINA 29708 CONTACT: TONY MAIOCCO PHONE: (803) 504-1667 EMAIL: TMAIOCCO@SOLENIS.COM



AERIAL MAP | N.T.S. | 1



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APPROVED

SUBJECT TO BUILDING DEPT. APPOVAL
PROJECT MEETS ZONING STANDARDS
NO FURTHER PLANNING PERMITS ARE REQUIRED
APPLE VALLEY PLANNING DEPT.

Sierra Pierce 08/10/2026

SIGNATURE DATE

SARGENTI

5840 LEGACY CIRCLE - STE D230,
PLANO, TX 75024
T|972.521.8150 ■ WWW.SARGARCH.COM

CONSULTANT:

DRAWING SEAL:

LICENSED ARCHITECT
ROBERT J. SARGENTI
No. C-31054
07/31/27
Renewal Date
STATE OF CALIFORNIA

06/23/26

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS
3	06/08/26	DEVELOPMENT COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: MR REVIEWED BY: AE / AD

TITLE:

COVER SHEET

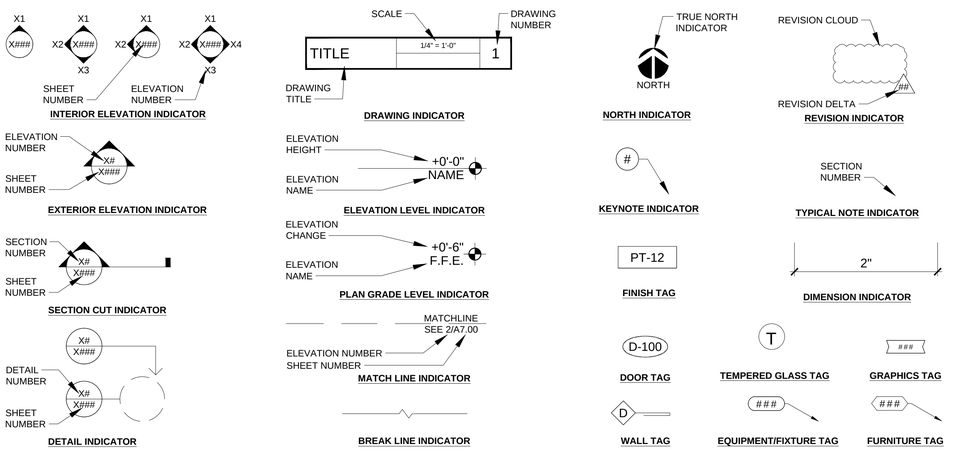
SHEET NUMBER:

G000

GENERAL ABBREVIATIONS

A/C	AIR CONDITIONER
ACI	AMERICAN CONCRETE INSTITUTE
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIA	AMERICAN INSTITUTE OF ARCHITECTS OR THE AMERICAN INSURANCE ASSOCIATION
ALMN	ALUMINUM
ALT	ALTERNATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AP	ACCESS PANEL
APPX	APPROXIMATE
ARCH	ARCHITECTURAL
BD	BOARD
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BOF	BOTTOM OF FOOTING
BOT	BOTTOM
BOH	BACK OF HOUSE
BOW	BOTTOM OF WALL
BSMT	BASEMENT
BP	BLUEPRINT
BV	BUTTERFLY VALVE
CAB	CABINET
CAD	COMPUTER AIDED DRAFTING
CC	CENTER TO CENTER
CEM	CEMENT
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CI	CAST IRON
CKT	CIRCUIT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CPR	CARPET
CRES	CORROSION RESISTANT STEEL
CSINK	COUNTERSINK
CTR	CENTER
CTYD	COURTYARD
CU	CUBIC
DET	DETAIL
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DN	DOWN
DS	DOWNSPOUT
DP	DAMP PROOFING, DISTRIBUTION PANEL
DWG(S)	DRAWING, DRAWINGS
EA	EACH
EIFS	EXTERIOR INSULATION FINISH SYSTEM
ELEC	ELECTRIC, ELECTRICAL
EM	EMERGENCY
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXC	EXCAVATE
EF	EXHAUST FAN
EXT	EXHAUST
EXIST	EXISTING
EXT	EXTERIOR
EXTIR	EXTINGUISHER
FAO	FINISH ALL OVER
FACP	FIRE ALARM CONTROL PANEL
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FFL	FINISHED FLOOR LEVEL
FIN	FINISH
FIXT	FIXTURE
FL	FLOOR LEVEL
FLR	FLOOR
FO	FINISH OPENING
FOH	FRONT OF HOUSE
FR	FIRE RATED/RETARDANT
FRP	FIBERGLASS REINFORCED POLYESTER PANEL
FRT	FIRE RETARDANT TREATED
FT	FEET
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
GRND	GROUND
GT	GLAZED TILE
GYP	GYPSUM
HB	HOSE BIB
HDCP	HANDICAPPED
HDPE	HIGH DENSITY POLYETHYLENE
HM	HOLLOW METAL
HR	HOUR
HRS	HOT ROLLED STEEL
HT	HEIGHT
HTR	HEATER
HV	HIGH VOLTAGE
HVAC	HEATING, VENTILATING, AIR CONDITIONING
HW	HOT WATER
IAW	IN ACCORDANCE WITH
IE	INVERT ELEVATION
INSUL	INSULATION
IN	INCH OR INCHES
INT	INTERIOR
JBOX	JUNCTION BOX
JCT	JUNCTION
JHA	JURISDICTION HAVING AUTHORITY
JST	JOIST
KW	KILOWATT
LAM	LAMINATE
LAV	LAVATORY
LFT	LINEAR FEET
LL	LANDLORD
LT	LIGHT
LVL	LAMINATED VENEER LUMBER
LVT	LUXURY VINYL TILE
MAS	MASONRY
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
NIC	NOT IN CONTRACT
NIS	NOT IN SCOPE
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPP	OPPOSITE
PL	PROPERTY LINE
PLYWD	PLYWOOD
PNL	PANEL
POS	POINT OF SALE
PROP	PROPERTY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PTD	PAINTED
PWR	POWER
PTHT	PARTIAL HEIGHT
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
R	RADIUS
RC	REINFORCED CONCRETE
RD	ROOF DRAIN
REBAR	REINFORCING BAR
REINF	REINFORCED
REQ	REQUIRED
RM	ROOM
RO	ROUGH OPENING
SAN	SANITARY
SC	SOLID CORE
SCHED	SCHEDULE
SD	SMOKE DETECTOR
SECT	SECTION
SIM	SIMILAR
SHT	SHEET
SHT'G	SHEATING
SPEC(S)	SPECIFICATION(S)
SPK	SPRINKLER
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
SY	SQUARE YARD
SYM	SYMMETRICAL
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TELCO	TELE-COMMUNICATIONS
TELE	TELEPHONE
TMAD	TERIYAKI MADNESS
TOB	TOP OF BEAM
TOC	TOP OF CURB/CONCRETE
TOF	TOP OF FOOTING
TOJ	TOP OF JOIST
TOM	TOP OF MASONRY
TOW	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VA	VOLTAGE
VC	VINYL COMPOSITION
VIF	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
WD	WOOD
WDW	WINDOW
WI	WROUGHT IRON
WIC	WALK-IN-CLOSET
WL	WATER LEVEL
WP	WATERPROOF
WS	WEATHER STRIPPING OR WATER STOP
WR	WATER RESISTANT
WT	WEIGHT
WTR	WATER
YD	YARD

SHEET SYMBOLS



BUILDING CODES

ALL WORK SHALL BE IN CONFORMANCE WITH, BUT NOT LIMITED TO, THE REQUIREMENTS OF THE FOLLOWING: AND ANY OTHER STATE AND LOCAL CODES HAVING JURISDICTION.

JURISDICTION	CITY	COUNTY	STATE
CODE ENFORCEMENT	CITY OF APPLE VALLEY	SAN BERNARDINO	CALIFORNIA
ZONING	CITY OF APPLE VALLEY	SAN BERNARDINO	CALIFORNIA

CODE	EDITION	TITLE	REMARKS
BUILDING	2025	CALIFORNIA BUILDING CODE (CBC)	WITH AMENDMENTS
FIRE	2025	CALIFORNIA FIRE CODE (CFC)	
	2025	NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)	
MECHANICAL	2025	CALIFORNIA MECHANICAL CODE (CMC)	
ELECTRICAL	2025	CALIFORNIA ELECTRICAL CODE (CEC)	
PLUMBING	2025	CALIFORNIA PLUMBING CODE (CPC)	
FUEL GAS	2025	CALIFORNIA PLUMBING CODE (CHAPTER 12)	
ENERGY	2025	CALIFORNIA ENERGY CODE	
ACCESSIBILITY	2025	CBC CHAPTER 11B	

OCCUPANT LOAD

#	ROOM NAME	SQ. FT. (U.O.N.)		LOAD FACTOR		OCCUPANT LOAD
1	FRONT OF HOUSE (FOH) / DINING	331	÷	15	=	23
2	POINT OF SALE (POS)	79	÷	150	=	1
3	ALL GENDER RESTROOM	53	÷	0	=	0
4	HALLWAY	33	÷	0	=	0
5	BACK OF HOUSE (BOH)	540	÷	200	=	3
6	WALK-IN COOLER	85	÷	0	=	0
				TOTAL NUMBER OF OCCUPANTS	=	27
				GROSS LEASED PREMISES	=	1,297 SQ. FT

SEATING ANALYSIS

ROOM NAME	SEATING	=	TOTAL
DINING AREA	17 SEATS 2 ADA SPOTS	=	17 SEATS 2 ADA SPOTS
	TOTAL	=	17 SEATS 2 ADA SPOTS

PLUMBING FIXTURE CALCULATIONS

TOTAL PLUMBING FIXTURE REQUIREMENTS: (BASED ON CURRENT PLUMBING CODES)

		ALL GENDER		MEN		WOMEN	
FIXTURE TYPE	FACTOR PER OCCUPANT	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED
WATER CLOSET	75	1	1	-	-	-	-
LAVATORIES	200	1	1	-	-	-	-

MOP SINK	1 REQUIRED	1 PROVIDED
DRINKING FOUNTAIN	EXEMPT	WATER AVAILABLE AT BEVERAGE STATION
REMARKS		

DEFERRED SUBMITTALS

SIGNAGE	SEPARATE PERMIT BY VENDOR
FIRE ALARM SYSTEM	DEFERRED SUBMITTAL BY GC
FIRE SPRINKLER SYSTEM	DEFERRED SUBMITTAL BY GC
HOOD SUPRESSION	DEFERRED SUBMITTAL BY VENDOR/GC

PROJECT SUMMARY

PROJECT ADDRESS	TERIYAKI MADNESS # 448 AT APPLE VALLEY 12218 APPLE VALLEY ROAD, SUITE 108, APPLE VALLEY, CALIFORNIA 92308
SCOPE OF WORK	TI FOR NEW RESTAURANT: - DEMOLITION OF EXISTING NON-BEARING WALLS, DOORS, FRAMES, CEILING ELEMENTS, ETC. - THE CONSTRUCTION OF NEW INTERIOR PARTITIONS AND INTERIOR FINISHES TO PROVIDE NEW DINING ROOM, KITCHEN AND RESTROOMS. - NEW HVAC TO BE CONFIGURED TO ACCOMMODATE NEW TENANT SPACE. - ALL NEW POWER AND LIGHTING PER PLAN TO CONNECT TO NEW PANELS. - NEW PLUMBING AND FIXTURES TO BE TIED IN TO EXISTING WATER, WASTE, AND VENT LINES. - STRUCTURAL ANALYSIS FOR NEW RTU'S, MAU & HOOD. - NO EXTERIOR WORK.

PROJECT INFORMATION	
ZONE	ZONE
TENANT SPACE AREA	1,297 S.F.
EXISTING USE	VACANT
PROPOSED USE	RESTAURANT
OCCUPANCY TYPE	B (RESTAURANT)
CONSTRUCTION TYPE	ASSUMED V-B
SPRINKLERED	YES
NUMBER OF STORIES	ONE (1).

EXIT ILLUMINATION	EXIT SIGNAGE AND EMERGENCY LIGHTING SHALL BE INSTALLED AS SHOWN ON ELECTRICAL SHEETS UNLESS INSTRUCTED OTHERWISE BY BUILDING INSPECTOR AND/OR FIRE MARSHAL.
BUILDING DEPARTMENT	BUILDING AND SAFETY 14955 DALE EVANS PARKWAY APPLE VALLEY, CALIFORNIA 92307 (760) 240-7000
HEALTH DEPARTMENT	ENVIRONMENTAL HEALTH SERVICES 385 N. ARROWHEAD AVE, 2ND FLOOR SAN BERNARDINO, CA 92415 (800) 442-2283
WATER	UTILITIES 14955 DALE EVANS PARKWAY APPLE VALLEY, CALIFORNIA 92307 (760) 240-7000
GAS	UTILITIES 14955 DALE EVANS PARKWAY APPLE VALLEY, CALIFORNIA 92307 (760) 240-7000

NOTES

THIS DRAWING IS PART OF A COORDINATED SET OF DOCUMENTS INCLUDING WRITTEN SPECIFICATIONS. DO NOT SEPARATE BOUND SETS.

ATTENTION	THIS SET OF DOCUMENTS CONTAINS MULTIPLE NOTES AND DETAILS OF SPECIFIC AREAS. IF ANY OF THE NOTES OR DETAILS CONFLICT WITH OR CONTRADICT ANOTHER NOTE OR DETAIL, THE TENANT G.C. SHALL CALL THE CONSTRUCTION MANAGER AND ARCHITECT (FOR ARCHITECTURAL SHEETS) OR THE ENGINEER (FOR M.E.P. SHEETS) BEFORE BEGINNING WORK TO OBTAIN WRITTEN CLARIFICATION OR CORRECTION FROM THE ARCHITECT OR ENGINEER. IF THE TENANT G.C. FAILS TO REQUEST CORRECTION FROM THE ARCHITECT OR ENGINEER AND OBTAIN APPROVAL BEFORE DOING THE WORK AND IF THAT WORK NEEDS TO BE REDONE, IT SHALL BE REDONE BY THE TENANT G.C. AT THE TENANT G.C.'S EXPENSE.
TENANT SIGNAGE	TENANT'S SIGN VENDOR SHALL PROVIDE SIGNAGE PERMIT PACKAGE UNDER SEPARATE REVIEW (NOT INCLUDED IN THIS PACKAGE). SIGNAGE SHOP DRAWINGS SHALL BE PROVIDED TO TENANT'S CONSTRUCTION MANAGER, DESIGNER, AND TO LANDLORD FOR REVIEW.
MISC NOTE	THE TENANT G.C. SHALL VISIT THE PREMISES AND VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION AND SHALL REPORT ALL DISCREPANCIES TO TENANT'S ARCHITECT. THE TENANT G.C. SHALL CONFORM TO ALL REQUIREMENTS REGARDING CONSTRUCTION PROCEDURES, INSURANCE, ETC., AS SET FORTH BY THE LANDLORD.

SARGENTI
5840 LEGACY CIRCLE - STE D230,
PLANO, TX 75024
T|972.521.8150 ■ WWW.SARGARCH.COM

CONSULTANT:

DRAWING SEAL:

LICENSED ARCHITECT
ROBERT J. SARGENTI
No. C-31054
07/31/27
Renewal Date
STATE OF CALIFORNIA

06/23/26

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

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LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: MR
REVIEWED BY: AE / AD

TITLE:

PROJECT INFORMATION

SHEET NUMBER:

G001

2025 CALIFORNIA GREEN BUILDING STANDARDS CODE
NONRESIDENTIAL MANDATORY MEASURES, SHEET 1

AIA California

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

Y	N/A	RESPON. PARTY

CHAPTER 3
GREEN BUILDING
SECTION 301 GENERAL

301.1 SCOPE. Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code, but are not required unless adopted by a city, county, or city and county as specified in Section 101.7.

301.3 NONRESIDENTIAL ADDITIONS AND ALTERATIONS. [BSC-CG] The provisions of individual sections of Chapter 5 apply to newly constructed buildings, building additions of 1,000 square feet or greater, and/or building alterations with a permit valuation of $200,000 or above (for occupancies within the authority of California Building Standards Commission). Code sections relevant to additions and alterations shall only apply to the portions of the building being added or altered within the scope of the permitted work.

A code section will be designated by a banner to indicate where the code section only applies to newly constructed buildings [N] or to additions and/or alterations [A]. When the code section applies to both, no banner will be used.

301.3.1 Nonresidential additions and alterations that cause updates to plumbing fixtures only:

Note: On and after January 1, 2014, certain commercial real property, as defined in Civil Code Section 1101.3, shall have its noncompliant plumbing fixtures replaced with appropriate water-conserving plumbing fixtures under specific circumstances. See Civil Code Section 1101.1 *et seq.* for definitions, types of commercial real property affected, effective dates, circumstances necessitating replacement of noncompliant plumbing fixtures, and duties and responsibilities for ensuring compliance.

301.3.2 Waste Diversion. The requirements of Section 5.408 shall be required for additions and alterations whenever a permit is required for work.

301.4 PUBLIC SCHOOLS AND COMMUNITY COLLEGES. (see GBSC)

301.5 HEALTH FACILITIES. (see GBSC)

SECTION 302 MIXED OCCUPANCY BUILDINGS

302.1 MIXED OCCUPANCY BUILDINGS. In mixed occupancy buildings, each portion of a building shall comply with the specific green building measures applicable to each specific occupancy.

SECTION 303 PHASED PROJECTS

303.1 PHASED PROJECTS. For shell buildings and others constructed for future tenant improvements, only those code measures relevant to the building components and systems considered to be new construction (or newly constructed) shall apply.

303.1.1 Initial Tenant improvements. The provisions of this code shall apply only to the initial tenant improvements to a project. Subsequent tenant improvements shall comply with the scoping provisions in Section 301.3 non-residential additions and alterations.

ABBREVIATION DEFINITIONS:

HCD	Department of Housing and Community Development
BSC	California Building Standards Commission
DSA-SS	Division of the State Architect, Structural Safety
OSHPD	Office of Statewide Health Planning and Development
LR	Low Rise
HR	High Rise
AA	Additions and Alterations
N	New

CHAPTER 5
NONRESIDENTIAL MANDATORY MEASURES

DIVISION 5.1 PLANNING AND DESIGN

SECTION 5.101 GENERAL

5.101.1 SCOPE
The provisions of this chapter outline planning, design and development methods that include environmentally responsible site selection, building design, building siting and development to protect, restore and enhance the environmental quality of the site and respect the integrity of adjacent properties.

SECTION 5.102 DEFINITIONS

5.102.1 DEFINITIONS
The following terms are defined in Chapter 2 *(and are included here for reference)*

CUTOFF LUMINAIRES. Luminaires whose light distribution is such that the candela per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle of 90 degrees above nadir, and 100 (10 percent) at a vertical angle of 80 degrees above nadir. This applies to all lateral angles around the luminaire.

TENANT-OCCUPANTS. Building occupants who inhabit a building during its normal hours of operation as permanent occupants, such as employees, as distinguished from customers and other transient visitors.

ZEV. [BSC-CG, DSA-SS] Any vehicle certified to zero-emission standards.

SECTION 5.105 DECONSTRUCTION AND REUSE OF EXISTING STRUCTURES

5.105.1 Scope. [BSC-CG] Effective July 1, 2024, alteration(s) to existing building(s) where the combined altered floor area is 100,000 square feet or greater shall comply with either Section 5.105.2, 5.409.2, or 5.409.3. Addition(s) to existing building(s) where the total floor area combined with the existing building(s) is 100,000 square feet or greater shall comply with either Section 5.105.2, Section 5.409.2, or Section 5.409.3. Effective January 1, 2026, the combined floor area shall be 50,000 square feet or greater.

[DSA-SS] Alteration(s) to existing building(s) where the combined altered floor area is 50,000 square feet or greater shall comply with either Section 5.105.2, 5.409.2, or 5.409.3. Addition(s) to existing building(s) where the total floor area combined with the existing building(s) is 50,000 square feet or greater shall comply with either Section 5.105.2, Section 5.409.2, or Section 5.409.3.

Exception [BSC-CG, DSA-SS]: Combined addition(s) to existing building(s) of two times the area or more of the existing building(s) is not eligible to meet compliance with Section 5.105.2.

5.105.2 Reuse of existing building. An alteration or addition to an existing building shall maintain at a minimum 45 percent combined of the existing building's primary structural elements (foundations; columns, beams, walls, and floors; and lateral elements) and existing building enclosure (roof framing, wall framing and exterior finishes). Window assemblies, insulation, portions of buildings deemed structurally unsound or hazardous, and hazardous materials that are remediated as part of the project shall not be included in the calculation.

5.105.2.1 Verification of compliance. Documentation shall be provided in the construction documents to demonstrate compliance with Section 5.105.2.

Note: Sample Worksheet WS-3 in Chapter 8 may be used to assist in documenting compliance with this section.

5.105.3 Deconstruction (Reserved).

SECTION 5.106 SITE DEVELOPMENT

5.106.1 STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN ONE ACRE OF LAND. Newly constructed projects and additions which disturb less than one acre of land, and are not part of a larger common plan of development or sale, shall prevent the pollution of storm water runoff from the construction activities through one or more of the following measures:

5.106.1.1 Local ordinance. Comply with a lawfully enacted storm water management and/or erosion control ordinance.

5.106.1.2 Best Management Practices (BMPs). Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMPs.

1. Soil loss BMPs that should be considered for implementation as appropriate for each project include, but are not limited to, the following:
   a. Scheduling construction activity during dry weather, when possible.
   b. Preservation of natural features, vegetation, soil, and buffers around surface waters.
   c. Drainage swales or lined ditches to control stormwater flow.
   d. Mulching or hydroseeding to stabilize disturbed soils.
   e. Erosion control to protect slopes.
   f. Protection of storm drain inlets (gravel bags or catch basin inserts).
   g. Perimeter sediment control (perimeter silt fence, fiber rolls).
   h. Sediment trap or sediment basin to retain sediment on site.
   i. Stabilized construction exits.
   j. Wind erosion control.
   k. Other soil loss BMPs acceptable to the enforcing agency.
2. Good housekeeping BMPs to manage construction equipment, materials, non-stormwater discharges and wastes that should be considered for implementation as appropriate for each project include, but are not limited to, the following:
   a. Dewatering activities.
   b. Material handling and waste management.
   c. Building materials stockpile management.
   d. Management of washout areas (concrete, paints, stucco, etc.).
   e. Control of vehicle/equipment fueling to contractor's staging area.
   f. Vehicle and equipment cleaning performed off site.
   g Spill prevention and control.
   h. Other housekeeping BMPs acceptable to the enforcing agency.

5.106.2 STORMWATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB ONE OR MORE ACRES OF LAND. Comply with all lawfully enacted stormwater discharge regulations for projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of a larger common plan of development sale.

Note: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board or the Lahontan Regional Water Quality Control Board (for projects in the Lake Tahoe Hydrologic Unit).

The NPDES permits require postconstruction runoff (post-project hydrology) to match the preconstruction runoff (pre-project hydrology) with the installation of postconstruction stormwater management measures. The NPDES permits emphasize runoff reduction through on-site stormwater use, interception, evapotranspiration, and infiltration through nonstructural controls, such as Low Impact Development (LID) practices, and conversation design measures. Stormwater volume that cannot be addressed using nonstructural practices is required to be captured in structural practices and be approved by the enforcing agency.

Refer to the current applicable permits on the State Water Resources Control Board website at: www.waterboards.ca.gov/constructionstormwater. Consideration to the stormwater runoff management measures should be given during the initial design process for appropriate integration into site development.

5.106.4 BICYCLE PARKING. For buildings within the authority of California Building Standards Commission as specified in Section 103, comply with Section 5.106.4.1. For buildings within the authority of the Division of the State Architect pursuant to Section 105, comply with Section 5.106.4.2

5.106.4.1 Bicycle parking. [BSC-CG] Comply with Sections 5.106.4.1.1 and 5.106.4.1.2; or meet the applicable local ordinance, whichever is stricter.

5.106.4.1.1 Short-term bicycle parking. If the new project or an addition or alteration is anticipated to generate visitors, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 20% of the peak daily visitors, with a minimum of one two-bike capacity rack.

Exception: Additions or alterations which add nine or less visitor vehicular parking spaces.

5.106.4.1.2 Long-term bicycle parking. Acceptable bicycle parking facility for Section 5.106.4.1.2.1, 5.106.4.1.2.2 and 5.106.4.1.23 shall be conveniently located near the street and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles;
2. Lockable bicycle rooms with permanently anchored racks; or
3.Lockable, permanently anchored bicycle lockers.

Calculations for bicycle parking requirements shall be rounded up to the nearest whole number.

5.106.4.1.2.1
For new buildings with tenant spaces, provide secure bicycle parking for 10 percent of the tenant-occupants, with a minimum of one bicycle parking facility.

5.106.4.1.2.2
For additions or alternations, provide secure bicycle parking for 10 percent of the tenant-occupants being added, with a minimum of one bicycle parking facility.

5.106.4.1.2.3
For new shell buildings in phased projects, provide secure bicycle parking for 10 percent of the anticipated tenant-occupants, with a minimum of one bicycle parking facility.

5.106.4.2 Bicycle parking. [DSA-SS] For public schools and community colleges, comply with Sections 5.106.4.2.1 and 5.106.4.2.2

5.106.4.2.1 Student bicycle parking. Provide permanently anchored bicycle racks conveniently accessed with a minimum of four two-bike capacity racks per new building.
5.106.4.2.2 Staff bicycle parking. Provide permanent, secure bicycle parking conveniently accessed with a minimum of two staff bicycle parking spaces per new building. Acceptable bicycle parking facilities shall be convenient from the street or staff parking area and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles;
2. Lockable bicycle rooms with permanently anchored racks; or
3. Lockable, permanently anchored bicycle lockers.

5.106.5.3 Electric vehicle (EV) charging. [N] [BSC-CG] Construction to provide electric vehicle infrastructure and facilitate electric vehicle charging shall comply with Section 5.106.5.3.1 EV capable spaces, Section 5.106.5.3.2 Electric vehicle charging stations and associated Table 5.106.5.3.1, or Section 5.106.5.3.6 Electric vehicle charging stations (EVCS)—Power allocation method and associated Table 5.106.5.3.6 and shall be provided in accordance with regulations in the *California Building Code* and the *California Electrical Code*.

Exceptions:
1. On a case-by-case basis where the local enforcing agency has determined compliance with this section is not feasible based upon one of the following conditions:
   a. Where there is no local utility power supply
   b. Where the local utility is unable to supply adequate power.
   c. Where there is evidence suitable to the local enforcement agency substantiating the local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.
2. Areas of parking facilities served by parking lifts, including but not limited to, automated mechanical-access open parking garages as defined in the California Building Code; or parking facilities otherwise incapable of supporting electric vehicle charging.

5.106.5.3.1 EV capable spaces. [N] EV capable spaces shall be provided in accordance with Table 5.106.5.3.1 and the following requirements:
1. Raceways complying with the California Electrical Code and no less that 1-inch (25 mm) diameter shall be provided and shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the EV capable and into a suitable listed cabinet, box,enclosure or equivalent. A common raceway may be used to serve multiple EV charging spaces.
2. A service panel or subpanel (s) shall be provided with panel space and electrical load capacity for a dedicated 208/240 volt, 40-ampere minimum branch circuit for each EV capable space, with delivery of 30-ampere minimum to an installed EVSE at each EVCS.
3. The electrical system and any on-site distribution transformers shall have sufficient capacity to supply full rated amperage at each EV capable space.
4. The service panel or subpanel circuit directory shall identify the reserved overcurrent protective devices space(s) as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE."

Note: A parking space served by electric vehicle supply equipment or designed as a future EV charging space shall count as at least one standard automobile parking space only for the purpose of complying with any applicable minimum parking space requirements established by an enforcement agency. See vehicle Code Section 22511.2 for further details.

TABLE 5.106.5.3.1 EV Capable Spaces and EVCS

TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CAPABLE SPACES	OTHER THAN OFFICE AND RETAIL NUMBER OF REQUIRED ECVS[A2,3]	OFFICE AND RETAIL NUMBER OF REQUIRED ECVS[A2,3]
1-9	0	0	0
10-25	4	2	3
26-50	8	4	6
51-75	13	6	8
76-100	17	8	13
101-150	25	12	19
151-200	35	18	26
201 AND OVER	20 percent of actual parking spaces[1]	50 percent of EV capable spaces[1]	75 percent of EV capable spaces[1]

1. Calculation for spaces shall be rounded up to the nearest whole number.
2. Each EVCS shall reduce the number of required capable spaces by the same number.
3. At least one Level 2 EVSE shall be provided.

5.106.5.3.2 Electric vehicle charging stations (EVCS) EV capable spaces shall be provided with electric vehicle supply equipment (EVSE) to create EVCS in the number indicated in Table 5.106.5.3.1. The EVCS required by Table 5.106.5.3.1 shall be provided with Level 2 EVSE or DCFC as permitted in Section 5.106.5.3.2.3. At least one Level 2 EVSE shall be provided.

One EV charger with multiple connectors capable of charging multiple EVs simultaneously shall be permitted if the electrical load capacity required by Section 5.106.5.3.1 for each EV capable space is accumulatively supplied to the EV charger.

5.106.5.3.2.1 Receptacle configurations. 208/240V EV charging receptacles shall comply with one of the following configurations:
1. For 20-ampere receptacles, NEMA 6-20R
2. For 30-ampere receptacles, NEMA 14-30R
3. For 50-ampere receptacles, NEMA 14-50R

5.106.5.3.2.2 EV charger connectors. EV chargers shall be equipped with SAE J1772 with a maximum output 240 Volts AC or SAE J3400 connectors.When using level 2 SAE J3400 SAE connectors, supplied by a 480 V 3-phase service, at least 20 percent of the EV charger connectors shall be SAE J1772 with a maximum output 240 Volts AC.

5.106.5.3.2.3 The installation of each DCFC EVSE shall be permitted to reduce the minimum number of required EV capable spaces without EVSE or EVCS with Level 2 EVSE by five and reduce proportionally the required electrical load capacity to the service panel or subpanel.

5.106.5.3.2.4 The installation of two low power Level 2 EV charging receptacles shall be permitted to reduce the minimum number of required EV capable spaces without EVSE in Table 5.106.5.3.1 by one.

5.106.5.3.2.4.1 Raceway capacity requirements. To allow for future upgrades to the electrical conductors serving low power Level 2 charging receptacles, the listed raceway serving such receptacles shall be sized to allow the installation of a dedicated 208/240-volt 40-ampere branch circuit. Where no raceway is used, the conductors shall be sized to accommodate a 208/240-volt 40-ampere receptacle.

5.106.5.3.3 Use of automatic load management systems (ALMS).
ALMS shall be permitted for EVCS. When ALMS is installed, the required electrical load capacity specified in Section
5.106.5.3.1 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs.

5.106.5.3.4 Accessible EVCS.
When EVSE is installed, accessible EVSC shall be provided in accordance with the *California Building Code*, Chapter 11B, Section 11B-228.3.

Note: For EVCS signs, refer to Caltrans Traffic Operations Policy Directive 13-01 (Zero Emission Vehicle Signs and Pavement Markings) or its successor(s).

5.106.5.3.4 Accessible electric vehicle charging station (EVCS). When EVSE is installed, accessible EVCS shall be provided in accordance with the *California Building Code*, Chapter 11B, Section 11B-228.3.

5.106.5.3.5 Electric vehicle charging station signage. Electric vehicle charging stations shall be identified by signage or pavement markings in compliance with Caltrans Traffic Operations Policy Directive 13-01 (Zero Emission Vehicle Signs and Pavement Markings) or its successor(s).

Power allocation method shall include the following:
1. Use any kVA combination of EV capable spaces, low power Level 2, Level 2 or DCFC EVSEs.
2. At least one Level 2 EVSE shall be provided.

5.106.5.3.6 Electric vehicle charging stations (EVCS)—power allocation method. The power allocation method may be used as an alternative to the requirements in Section 5.106.5.3.1, Section 5.106.5.3.2 and associated Table 5.106.5.3.1. Use Table 5.106.5.3.6 to determine the total power in kVA required based on the total number of actual parking spaces.

TABLE 5.106.5.3.6 Power Allocation Method

TOTAL NUMBER OF ACTUAL PARKING SPACES	MINIMUM TOTAL kVA @ 6.6 kVA	OTHER THAN OFFICE AND RETAIL TOTAL kVA REQUIRED IN ANY COMBINATION OF EV CAPABLE[3,4] LOW POWER LEVEL 2, LEVEL 2[1, 2] OR DCFC	OFFICE AND RETAIL TOTAL kVA REQUIRED IN ANY COMBINATION OF EV CAPABLE[4,5] LOW POWER LEVEL 2, LEVEL 2[1, 2] OR DCFC
1-9	0	0	0
10-25	26.4	26.4	26.4
26-50	52.8	52.8	52.8
51-75	85.8	85.8	85.8
76-100	112.2	112.2	112.2
101-150	165	165	165
151-200	231	231	231
201 AND OVER	20 percent of actual parking spaces x 6.6	Total required kVA = P × .20 × 6.6 Where P = Parking spaces in facility	Total required kVA = P × .20 × 6.6 Where P = Parking spaces in facility

1. Level 2 EVSE @ 6.6 kVA minimum.
2. At least one Level 2 EVSE shall be provided.
3. Maximum allowed kVA to be utilized for EV capable spaces is 75 percent.
4. If EV capable spaces are utilized, they shall meet the requirements of Section 5.106.5.3.1 EV capable spaces.
5. For Office and Retail buildings the maximum allowed kVA to be utilized for EV capable is 25 percent.

5.106.5.3.6.1 Receptacle configurations. 208/240V EV charging receptacles shall comply with one of the following configurations:
1. For 20-ampere receptacles, NEMA 6-20R.
2. For 30-ampere receptacles, NEMA 14-30R.
3. For 50-ampere receptacles, NEMA 14-50R.

5.106.5.3.6.2 EV Charger connectors. EV chargers shall be equipped with SAE J1772 with a maximum output 240 Volts AC or SAE J3400 connectors. When using level 2 SAE J3400 connectors, supplied by a 480 V 3-phase service, at least 20 percent of the EV charger connectors shall be SAE J1772 with a maximum output 240 Volts AC.

5.106.5.3.6.3 Raceway capacity requirements. To allow for future upgrades to the electrical conductors serving low power Level 2 charging receptacles, the listed raceway serving such receptacles shall be sized to allow the installation of a dedicated 208/240-volt 40-ampere branch circuit. Where no raceway is used, the conductors shall be sized to accommodate a 208/240-volt 40-ampere receptacle.

5.106.5.4 Additions or alterations to existing buildings or parking facilities [A]. [BSC-CG] Existing buildings or parking facilities being modified by one of the following shall comply with Section 5.106.5.4.1 or 5.106.5.4.2. When EVSE is installed, accessible EVCS shall be provided in accordance with the *California Building Code*, Chapter 11B, Section 11B-228.3.

1. When the scope of construction work includes an increase in power supply to an electric service panel as part of a parking facility addition or alteration.
2. When a new photovoltaic system is installed covering existing parking spaces.
3. When additions or alterations to existing buildings are triggered pursuant to code Section 301.3 and the scope of work includes an increase in power supply to an electric service panel.

Exceptions:
1. On a case-by-case basis where the local enforcing agency has determined compliance with this section is not feasible based upon one of the following conditions:
   a. Where there is no local utility power supply.
   b. Where the local utility is unable to supply adequate power.
   c. Where there is evidence suitable to the local enforcement agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.
   d. Where demonstrated as impracticable excluding local utility service or utility infrastructure issues.
2. Remote parking facilities that do not have access to the building service panel.
3. Parking area lighting upgrades where no trenching is part of the scope of work.
4. Emergency repairs, including but not limited to water line break in parking facilities, natural disaster repairs, etc.

5.106.5.4.1 Existing buildings or parking areas without previously installed EV capable infrastructure [A]. When EV capable infrastructure does not exist at an existing parking facility or building, and the parking facility or building undergoes an addition or alteration listed in Section 5.106.5.4, construction shall include electric vehicle charging in compliance with either Section 5.106.5.3 and associated Table 5.106.5.3.1, or Section 5.106.5.3.6 and associated Table 5.106.5.3.6 for the total number of actual parking spaces being added or altered.

5.106.5.4.2 Existing buildings or parking areas with previously installed EV capable infrastructure [A]. When EV capable infrastructure is available at an existing parking facility or building, and the parking facility or building is undergoing an addition or alteration listed in Section 5.106.5.4, construction shall include electric vehicle charging in compliance with either Section 5.106.5.3 and associated Table 5.106.5.3.1, or Section 5.106.5.3.6 and associated Table 5.106.5.3.6. Install EVCS at all existing EV capable spaces, utilizing the existing EV capable allocated power and infrastructure for the total number of actual parking spaces being added or altered, prior to adding any new EV capable spaces. If the area being added or altered exceeds the existing EV capable capacity, allocated power and infrastructure, provide additional EV charging as needed to comply with this section.

5.106.5.5 Electric vehicle (EV) charging: medium-duty and heavy-duty. [N] [BSG-CG] Construction shall comply with Section 5.106.5.5.1 to facilitate future installation of electric vehicle supply equipment (EVSE). Construction for warehouses, grocery stores and retail stores, office buildings, and manufacturing facilities with planned off-street loading spaces shall also comply with Section 5.106.5.5.1 for future installation of medium- and heavy-duty EVSE.

Exceptions:
1. On a case-by-case basis where the local enforcing agency has determined compliance with this section is not feasible based upon one of the following conditions:
   a. Where there is no local utility power supply.
   b. Where the local utility is unable to supply adequate power.
   c. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.

When EVSE(s) is/are installed, it shall be in accordance with the *California Building Code*, the *California Electrical Code* and as follows:

5.106.5.5.1 Electric vehicle charging readiness requirements for warehouses, grocery stores, office buildings, and manufacturing facilities and retail stores with planned off-street loading spaces. [N]

In order to avoid future demolition when adding EV supply and distribution equipment, spare raceway(s) or busway(s) and adequate capacity for transformer(s), service panel(s) or subpanel(s) shall be installed at the time of construction in accordance with the *California Electrical Code*. Construction plans and specifications shall include, but are not limited to, the following:

1. The transformer, main service equipment and subpanels shall meet the minimum power requirement in Table 5.106.5.5.1 to accommodate the dedicated branch circuits for the future installation of EVSE.

2. The construction documents shall indicate one or more location(s) convenient to the planned off-street loading space(s) reserved for medium- and heavy-duty ZEV charging cabinets and charging dispensers, and a pathway reserved for routing of conduit from the termination of the raceway(s) or busway(s) to the charging cabinet(s) and dispenser(s), as shown in Table 5.106.5.5.1.

3. Raceway(s) or busway(s) originating at a main service panel or a subpanel(s) serving the area where potential future medium- and heavy-duty EVSE will be located and shall terminate in close proximity to the potential future location of the charging equipment for medium- and heavy-duty vehicles.

4. The raceway(s) or busway(s) shall be of sufficient size to carry the minimum additional system load to the future location of the charging for medium- and heavy-duty ZEVs as shown in Table 5.106.5.5.1.

TABLE 5.106.5.5.1 RACEWAY CONDUIT AND PANEL POWER REQUIREMENTS FOR MEDIUM- AND HEAVY-DUTY EVSE [N]

BUILDING TYPE	BUILDING SIZE (SQ. FT.)	NUMBER OF OFF-STREET LOADING SPACES	ADDITIONAL CAPACITY REQUIRED (KVA) FOR RACEWAY & BUSWAY AND TRANSFORMER & PANEL
Grocery	10,000 to 90,000	1 or 2	200
		3 or Greater	400
	Greater than 90,000	1 or Greater	400
Manufacturing Facilities	10,000 to 50,000	1 or 2	200
	10,000 to 50,000	3 or Greater	400
	Greater than 50,000	1 or Greater	400
Office Buildings	10,000 to 135,000	1 or 2	200
	10,000 to 135,000	3 or Greater	400
	Greater than 135,000	1 or Greater	400
Retail	10,000 to 135,000	1 or 2	200
		3 or Greater	400
	Greater than 135,000	1 or Greater	400
Warehouse	20,000 to 256,000	1 or 2	200
		3 or Greater	400
	Greater than 256,000	1 or Greater	400

5.106.5.6 Electric vehicle (EV) charging at public schools and community colleges. [DSA-SS] Electric vehicle infrastructure and electric vehicle charging stations shall comply with Section 5.106.5.6 and shall be provided in accordance with regulations in the California Building Code and the California Electrical Code.

Exceptions:
1. On a case-by-case basis where compliance with this section has been demonstrated to be not feasible based upon one of the following conditions,and with concurrence by the Division of the State Architect (DSA), compliance with Section 5.106.5.6 shall not be required.
   a. Where there is no local utility power supply.
   b. Where the local utility is unable to supply adequate power.
   c. The installation of EVCS is impracticable.
2. Parking spaces accessible only by automated mechanical car parking systems are not required to comply with Section 5.106.5.6.

5.106.5.6.1 EV capable spaces. EV capable spaces shall be provided in accordance with Table 5.106.5.6.1 and the following requirements:

1. Raceways complying with the California Electrical Code and no less than 1-inch (25 mm) diameter shall be provided and shall originate at a service panel or a subpanel(s) serving the area and shall terminate in close proximity to the proposed location of the EV capable space and into a suitable listed cabinet, box, enclosure or equivalent. A common raceway may be used to serve multiple EV capable spaces.

2. A service panel or subpanel(s) shall be provided with panel space and electrical load capacity for a dedicated 208/240 volt, 40-ampere minimum branch circuit for each EV capable space, with delivery of 30-ampere minimum to an installed EVSE at each EVCS.

3. The electrical system and any on-site distribution transformers shall have sufficient capacity to supply full rated amperage at each EV capable space.

4. The service panel or subpanel circuit directory shall identify the reserved overcurrent protective device space(s) as "EV CAPABLE." The raceway termination location shall be permanently and visibly marked as "EV CAPABLE."

TABLE 5.106.5.6.1

TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CAPABLE SPACES	NUMBER OF REQUIRED EVCS[2]
0-9	0	0
10-25	4	1
26-50	8	2
51-75	13	3
76-100	17	4
101-150	25	6
151-200	35	9
201 AND OVER	20 percent of total spaces[1]	25 percent of EV capable spaces[1]

1. Calculation for spaces shall be rounded up to the nearest whole number.
2. Each EVCS shall reduce the number of required EV capable spaces by the same number.

5.106.5.6.2 Electric vehicle charging stations (EVCS). EV capable spaces shall be provided with EVSE to create EVCS in the number indicated in Table 5.106.5.6.1 and shall comply with Section 5.106.5.6.2. EVCS shall be serviced by Level 2 or Direct Current Fast Charging (DCFC) EVSE, or with EVSE in any combination of Level 2 and DCFC. Accessible EVCS shall be provided in accordance with *California Building Code* Chapter 11B.

DISCLAIMER: *THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING DEPARTMENT JURISDICTIONS, THIS CHECKLIST IS TO BE USED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END USER ASSUMES ALL RESPONSIBILITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CODE.*

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CONSULTANT:

DRAWING SEAL:

LICENSED ARCHITECT
ROBERT J. SARGENTI
No. C-31054
07/31/27
Renewal Date
STATE OF CALIFORNIA

06/23/26

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS
3	06/08/26	DEVELOPMENT COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AD REVIEWED BY: AE

TITLE:

CALGREEN

SHEET NUMBER:

G001.1

2025 CALIFORNIA GREEN BUILDING STANDARDS CODE
NONRESIDENTIAL MANDATORY MEASURES, SHEET 2

AIA California

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

Y	N/A	RESPON. PARTY

5.106.5.6.2.1 Reduced number of EV capable spaces. The installation of each DCFC EVSE shall be permitted to reduce the minimum number of required EV capable spaces indicated in Table 5.106.5.6.1 by five and reduce proportionally the required electrical load capacity to the service panel or subpanel.

5.106.5.6.2.2 Multiple connectors. EVSE with multiple vehicle connectors capable of charging multiple EVs simultaneously shall be permitted if the electrical load capacity required by Section 5.106.5.6.1 for each EV capable space is accumulatively supplied to the EVSE.

5.106.5.6.2.3 Use of automatic load management systems (ALMS). ALMS shall be permitted for EVCS installed in accordance with Section 5.105.5.6.2. When ALMS is installed, the required electrical load capacity specified in Section 5.106.5.6.1 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs.

5.106.5.6.3 EVCS alternative compliance. In lieu of compliance with Section 5.106.5.6.2, EVCS shall be provided with Level 1, low power Level 2, or Level 2, or any combination of Level 1, low power Level 2 or Level 2 EVSE such that the total power supplied by the combination of EVSE meets the minimum power indicated in Table 5.106.5.6.3, based on the total number of actual parking spaces in each parking facility.

TABLE 5.106.5.6.3

NUMBER OF PARKING SPACES IN A PARKING FACILITY	MINIMUM TOTAL POWER (KVA) REQUIRED FOR EVCS
0-9	0
10-25	7
26-50	14
51-75	20
76-100	27
101-150	40
151-200	60
201 AND OVER	Total required KVA = P × .05 × 6.6 Where P = Parking spaces in facility

5.106.5.6.4 EVCS for alterations of or additions to parking facilities. Alterations of or additions to parking facilities shall provide EVCS in compliance with Section 5.106.5.6.4. The installation of infrastructure for EV capable spaces required to be provided without EVSE shall not be required.

5.106.5.6.4.1 Alterations of and additions to parking facilities. EVCS shall be provided in accordance with the number indicated in Table 5.106.5.6.1 or minimum power indicated in Table 5.106.5.6.3 when the scope of work includes an increase in power supply to an electric panel serving light fixtures illuminating the parking area or when area containing parking spaces is added to a parking facility. The number of required EVCS shall be based on the total number of existing and new parking spaces in the parking facility.

5.106.5.6.4.2 Alterations consisting of the installation of photovoltaic systems. EVCS shall be provided in accordance with the number indicated in Table 5.106.5.6.1 or maximum power indicated in Table 5.106.5.6.3 when a new photovoltaic system is installed in an existing parking facility.

5.106.5.6.5 Requirement to install EVSE. Level 2 EVSE shall be provided in all existing EV capable spaces to create EVCS when a project is required by California Administrative Code Section 4-309 to be submitted for plan approval to the Division of the State Architect. When EVSE is installed in existing EV capable spaces, accessible EVCS shall be provided in accordance with *California Building Code* Chapter 11B.

Exception: Projects in which improvements in parking areas consist only of accessibility improvements are not required to comply with Section 5.106.5.6.5.

5.106.8 LIGHT POLLUTION REDUCTION. [N]. I Outdoor lighting systems shall be designed and installed to comply with the following:

1. The minimum requirements in the California Energy Code for Lighting Zones 0-4 as defined in Chapter 10, Section 10-114 of the California Administrative Code; and
2. Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8);
3. Uplight and Glare ratings as defined in California Energy Code (shown in Tables 130.2-A and 130.2-B in Chapter 8) and
4. Allowable BUG ratings not exceeding those shown in Table 5.106.8, [N] or Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.

Exceptions: [N]

1. Luminaires that qualify as exceptions in Sections 130.2 (b) and 140.7 of the California Energy Code.
2. Emergency lighting.
3. Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6.
4. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8 Alternate materials, designs and methods of construction.
5. Luminaires with less than 6,200 initial luminaire lumens.

TABLE 5.106.8 [N] MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE (BUG) RATINGS 1,2

ALLOWABLE RATING	LIGHTING ZONE LZ0	LIGHTING ZONE LZ1	LIGHTING ZONE LZ2	LIGHTING ZONE LZ3	LIGHTING ZONE LZ4
MAXIMUM ALLOWABLE BACKLIGHT RATING 3					
Luminaire greater than 2 mounting heights (MH) from property line	N/A	No Limit	No Limit	No Limit	No Limit
Luminaire back hemisphere is 1-2 MH from property line	N/A	B2	B3	B4	B4
Luminaire back hemisphere is 0.5-1 MH from property line	N/A	B1	B2	B3	B3
Luminaire back hemisphere is less than 0.5 MH from property line	N/A	B0	B0	B1	B2
MAXIMUM ALLOWABLE UPLIGHT RATING (U)					
For area lighting 3	N/A	U0	U0	U0	U0
For all other outdoor lighting,including decorative luminaires	N/A	U1	U2	U3	UR
MAXIMUM ALLOWABLE GLARE RATING 3 (G)					
MAXIMUM ALLOWABLE GLARE RATING 3 (G)	N/A	G1	G2	G3	G4
MAXIMUM ALLOWABLE GLARE RATING 3 (G)	N/A	G0	G1	G1	G2
MAXIMUM ALLOWABLE GLARE RATING 3 (G)	N/A	G0	G0	G1	G1
MAXIMUM ALLOWABLE GLARE RATING 3 (G)	N/A	G0	G0	G0	G1

1. IESNA Lighting Zones 0 and 5 are not applicable; refer to Lighting Zones as defined in the *California Energy Code* and Chapter 10 of the *California Administrative Code.*
2. For property lines that abut public walkways, bikeways, plazas and parking lots, the property line may be considered to be 5 feet beyond the actual property line for purpose of determining compliance with this section. For property lines that abut public roadways and public transit corridors, the property line may be considered to be the centerline of the public roadway or public transit corridor for the purpose of determining compliance with this section.
3. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet these reduced ratings. Decorative luminaries located in these areas shall meet *U*-value limits for "all other outdoor lighting"

5.106.8.1 Facing- Backlight
Luminaries within 2MH of a property line shall be oriented so that the nearest property line is behind the fixture, and shall comply with the backlight rating specified in Table 5.106.8 based on the lighting zone and distance to the nearest point of that property line.

Exception: Corners. If two property lines (or two segments of the same property line) have equidistant point to the luminaire, then the luminaire may be oriented so that the intersection of the two lines (the corner) is directly behind the luminaire. The luminaire shall still use the distance to the nearest points(s) on the property lines to determine the required backlight rating.

5.106.8.2 Facing-Glare.
For luminaires covered by 5.106.8.1, if a property line also exists within or extends into the front hemisphere within 2MH of the luminaire then the luminaire shall comply with the more stringent glare rating specified in Table 5.106.8 based on the lighting zone and distance to the nearest point on the nearest property line within the front hemisphere.

Note: [N]
1.See also *California Building Code*, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways.
2.Refer to Chapter 8 (Compliance Forms, Worksheets and Reference Material) for IES TM-15-11 Table A-1, *California Energy Code* Tables 130.2-A and 130.2-B.
3. Refer to the *California Building Code* for requirements for additions and alterations.

5.106.10 GRADING AND PAVING. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:

1. Swales.
2. Water collection and disposal systems.
3. French drains.
4. Water retention gardens.
5. Other water measures which keep surface water away from buildings and aid in groundwater recharge.**Exception:** Additions and alterations not altering the drainage path.

5.106.12 SHADE TREES [DSA-SS]. Shade Trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2, and 5.106.12.3. Percentages shown shall be measured at noon on the summer solstice. Landscape irrigation necessary to establish and maintain tree health shall comply with Section 5.304.6.

5.106.12.1 Surface parking areas. Shade tree plantings, minimum #10 container size or equal, shall be installed to provide shade over 50 percent of the parking area within 15 years.

Exceptions: Surface parking area covered by solar photovoltaic shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5 shall be permitted in whole or in part in lieu of shade tree planting.

5.106.12.2 Landscape areas. Shade tress plantings, minimum #10 container size or equal shall be installed to provide shade of 20% of the landscape area within 15 years.

Exceptions: Playfields for organized sport activity are not included in the total area calculation.

5.106.12.3. Hardscape areas. Shade tree plantings, minimum #10 container size or equal shall be installed to provide shade over 20 percent of the hardscape area within 15 years.

Exceptions:
1. Walks, hardscape areas covered by solar photovoltaic shade structures or shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5 shall be permitted in whole or in part in lieu of shade tree planting.
2. Designated and marked play areas of organized sport activity are not included in the total area calculation.

DIVISION 5.2 ENERGY EFFICIENCY

SECTION 5.201 GENERAL

5.201.1 Scope [BSC-CG]. ***California Energy Code [DSA-SS].*** For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory building standards.

DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION

SECTION 5.301 GENERAL

5.301.1 Scope. The provisions of this chapter shall establish the means of conserving water use indoors, outdoors and in wastewater conveyance.

SECTION 5.302 DEFINITIONS

5.302.1 Definitions. The following terms are defined in Chapter 2 *(and are included here for reference)*

EVAPOTRANSPIRATION ADJUSTMENT FACTOR (ETAF) [DSA-SS]. An adjustment factor when applied to reference evapotranspiration that adjusts for plant factors and irrigation efficiency, which ae two major influences on the amount of water that needs to be applied to the landscape.

FOOTPRINT AREA [DSA-SS]. The total area of the furthest exterior wall of the structure projected to natural grade, not including exterior areas such as stairs, covered walkways, patios and decks.

METERING FAUCET. A self-closing faucet that dispenses a specific volume of water for each actuation cycle. The volume or cycle duration can be fixed or adjustable.

GRAYWATER. Pursuant to Health and Safety Code Section 17922.12, "graywater" means untreated wastewater that has not been contaminated by any toilet discharge, has not been affected by infectious, contaminated, or unhealthy bodily wastes, and does not present a threat from contamination by unhealthful processing, manufacturing, or operating wastes. "Graywater" includes, but is not limited to wastewater from bathtubs, showers, bathroom washbasins, clothes washing machines and laundry tubs, but does not include waste water from kitchen sinks or dishwashers.

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). The California ordinance regulating landscape design, installation and maintenance practices that will ensure commercial, multifamily and other developer installed landscapes greater than 2500 square feet meet an irrigation water budget developed based on landscaped area and climatological parameters.

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). [HCD] The California model ordinance (California Code of Regulations, Title 23, Division 2, Chapter 2.7), regulating landscape design, installation and maintenance practices. Local agencies are required to adopt the updated MWELO, or adopt a local ordinance at least as effective as the MWELO.

POTABLE WATER. Water that is drinkable and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards. See definition in the California Plumbing Code, Part 5.

POTABLE WATER. [HCD] Water that is satisfactory for drinking, culinary, and domestic purposes, and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards and the requirements of the Health Authority Having Jurisdiction.

SPECIAL LANDSCAPE AREA (SLA). [DSA-SS] An area of the landscape dedicated solely to edible plants, planting areas used for educational purposes, recreational areas, areas irrigated with recycled water, water features using recycled water, and where turf provides a playing surface or gathering space.

SUBMETER. [HCD 1] A secondary device beyond a meter that measures water consumption of an individual rental unit within a multiunit residential structure or mixed-use residential and commercial structure. (See Civic Code Section 1954.202 (g) and Water code Section 517 for additional details.)

SECTION 5.303 INDOOR WATER USE

5.303.1 METERS. Separate submeters or metering devices shall be installed for the uses described in Sections 503.1.1 and 503.1.2.

5.303.1.1 Buildings in excess of 50,000 square feet. Separate submeters shall be installed as follows:

1. For each individual leased, rented or other tenant space within the building projected to consume more than 100 gal/day (380 L/day), including, but not limited to, spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop.
2. Where separate submeters for individual building tenants are unfeasible, for water supplied to the following subsystems:
   a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s).
   b. Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s).
   c. Steam and hot water boilers with energy input more than 500,000 Btu/h (147 kW).

5.303.1.2 Excess consumption. A separate submeter or metering device shall be provided for any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day.

5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:

5.303.3.1 Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type toilets.

Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.

5.303.3.2 Urinals.
5.303.3.2.1 Wall-mounted Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush.

5.303.3.2.2 Floor-mounted Urinals. The effective flush volume of floor-mounted or other urinals shall not exceed 0.5 gallons per flush.

5.303.3.3 Showerheads. [BSC-CG]
5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.

5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.
Note: A hand-held shower shall be considered a showerhead.

5.303.3.4 Faucets and fountains.
5.303.3.4.1 Nonresidential Lavatory faucets. Lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi.

5.303.3.4.2 Kitchen faucets. Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.

5.303.3.4.3 Wash fountains. Wash fountains shall have a maximum flow rate of not more than1.8 gallons per minute/20 [rim space (inches) at 60 psi].

5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per cycle.

5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per minute/20 [rim space (inches) at 60 psi].

Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.

5.303.3.4.6 Pre-rinse spray value
When installed, commercial pre-rinse spray valves shall meet the requirements in the California Plumbing Code, Section 420.3.

5.303.4 COMMERCIAL KITCHEN EQUIPMENT.

5.303.4.1 Food Waste Disposers. Disposers shall either modulate the use of water to no more than 1 gpm when the disposer is not in use (not actively grinding food waste/no-load) or shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water.
Note: This code section does not affect local jurisdiction authority to prohibit or require disposer installation.

5.303.5 AREAS OF ADDITION OR ALTERATION. For those occupancies within the authority of the California Building Standards Commission as specified in Section 103, the provisions of Section 5.303.3 and 5.303.4 shall apply to new fixtures in additions or areas of alteration to the building.

5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures and fittings shall be installed in accordance with the *California Plumbing Code*, and shall meet the applicable standards referenced in Table 1701.1 of the *California Plumbing Code* and in Chapter 6 of this code.

SECTION 5.304 OUTDOOR WATER USE

5.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent.

Notes:
1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code of Regulations, Title 23, Chapter 2.7, Division 2.
2. MWELO and supporting documents, including a water budget calculator, are available at: https://www.water.ca.gov/.

5.304.6 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. For public schools and community colleges, landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of Water Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter 2.7, Division 2, Title 23, *California Code of Regulations*, except that the evapotranspiration adjustment factor (ETAF) shall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35.

Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the prescriptive measures contained in Appendix D of the MWELO.

5.304.6.1 Newly constructed landscapes. New construction projects with an aggregate landscape area equal to or greater than 500 square feet.

5.304.6.2 Rehabilitated landscapes. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet.

DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

SECTION 5.401 GENERAL

5.401.1 SCOPE. The provisions of this chapter specify the requirements of achieving material conservation, resource efficiency, and greenhouse gas (GHG) emission reduction through protection of buildings from exterior moisture, construction waste diversion, employment of techniques to reduce pollution through recycling of materials, the installation of products with lower GHG emissions and building commissioning or testing and adjusting.

SECTION 5.402 DEFINITIONS

5.402.1 DEFINITIONS. The following terms are defined in Chapter 2 *(and are included here for reference)*

ADJUST. To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust a damper.

BALANCE. To proportion flows within the distribution system, including sub-mains, branches and terminals, according to design quantities.

BUILDING COMMISSIONING. A systematic quality assurance process that spans the entire design and construction process, including verifying and documenting that building systems and components are planned, designed, installed, tested, operated and maintained to meet the owner's project requirements.

BUY CLEAN CALIFORNIA ACT (BCCA). The Buy Clean California Act (BCCA) (Public Contract Code Sections 3500-3505) targets carbon emissions associated with the production of structural steel (hot-rolled sections, hollow structural sections, and plate), concrete reinforcing steel, flat glass, and mineral wool board insulation. The maximum acceptable global warming potential (GWP) limits are established by the Department of General Services (DGS), in consultation with the California Air Resources Board (CARB).

CRADLE-TO-GRAVE. Activities associated with a product or building's life cycle from the extraction stage through disposal stage, and covering modules A1 through C4 in accordance with ISO Standards 14025 and 21930.

ORGANIC WASTE. Food waste, green waste, landscape and pruning wste, nonhazardous wood waste, and food soiled paper waste that is mixed in with food waste.

REFERENCE STUDY PERIOD. The period of use for the building, in years, that will be assumed for life cycle assessment.

TEST. A procedure to determine quantitative performance of a system or equipment

TYPE III ENVIRONMENTAL PRODUCT DECLARATION (EPD). A third-party verified report that summarizes how a product impacts the environment. Type III EPDs can be either product-specific, factory-specific, or industry-wide EPDs. See "Cradle-to-Gate."

FACTORY-SPECIFIC EPD. A product-specific Type III EPD in which the environmental impacts can be attributed to a single manufacturer and manufacturing facility.

INDUSTRY-WIDE EPD (IW-EPD). A Type III EPD in which the environmental impacts are an average of the typical manufacturing impacts for a range of products within the same product category for a group of manufacturers.

PRODUCT-SPECIFIC EPD. A Type III EPD in which the environmental impacts can be attributed to a product design and manufacturer across multiple facilities.

SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT

5.407.1 WEATHER PROTECTION. Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1402.2 (Weather Protection), manufacturer's installation instructions or local ordinance, whichever is more stringent.

5.407.2 MOISTURE CONTROL. Employ moisture control measures by the following methods.

5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures.

5.407.2.2 Entries and openings. Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings as follows:

5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following:

1. An installed awning at least 4 feet in depth.
2. The door is protected by a roof overhang at least 4 feet in depth.
3. The door is recessed at least 4 feet.
4. Other methods which provide equivalent protection.

5.407.2.2.2 Flashing. Install flashings integrated with a drainage plane.

SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

5.408.1 CONSTRUCTION WASTE MANAGEMENT. Recycle and/or salvage for reuse a minimum of 65% of the non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.

5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and demolition waste management ordinance, submit a construction waste management plan that:

1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale.
2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).
3. Identifies diversion facilities where construction and demolition waste material collected will be taken.
4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.

5.408.1.2 Waste Management Company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.

Note: The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company.

Exceptions to Sections 5.408.1.1 and 5.408.1.2:

1. Excavated soil and land-clearing debris.
2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.
3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.

5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65% minimum requirement as approved by the enforcing agency.

5.408.1.4 Documentation. Documentation shall be provided to the enforcing agency which demonstrates compliance with Sections 5.408.1.1, through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.

Notes:
1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located www.dgs.ca.gov/BSC/Resources/Page-Content/Building-Standards-Commission-Resources-List-Folder/CALGreen may be used to assist in documenting compliance with the waste management plan.
2. Mixed construction and demolition debris processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

5.408.2 UNIVERSAL WASTE. [A] Additions and alterations to a building or tenant space that meet the scoping provisions in Section 301.3 for nonresidential additions and alterations, shall require verification that Universal Waste items such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited Universal Waste materials are disposed of properly and are diverted from landfills. A list of prohibited Universal Waste materials shall be included in the construction documents.

Note: Refer to the Universal Waste Rule link at: http://www.dtsc.ca.gov/universalwaste/

5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS. 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed.

Exception: Reuse, either on or off-site, of vegetation or soil contaminated by disease or pest infestation.

Notes:
1. If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material.
2. For a map of know pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. (www.cdfa.ca.gov)

SECTION 5.409 LIFE CYCLE ASSESSMENT

5.409.1 SCOPE. [BSC-CG] Effective July 1, 2024, projects consisting of newly constructed building(s) with a combined floor area of 100,000 square feet or greater shall comply with either Section 5.409.2 or Section 5.409.3. Alteration(s) to existing building(s) where the combined altered floor area is 100,000 square feet or greater shall comply with either Section 5.105.2, 5.409.2, or 5.409.3. Addition(s) to existing building(s) where the total floor area combined with the existing building(s) is 100,000 square feet or greater shall comply with either Section 5.105.2, Section 5.409.2, or Section 5.409.3. Effective January 1, 2026, the combined floor area shall be 50,000 square feet or greater.

[DSA-SS] Projects consisting of newly constructed building(s) with a combined floor area of 50,000 square feet or greater shall comply with either Section 5.409.2 or Section 5.409.3. Alteration(s) to existing building(s) where the combined altered floor area is 50,000 square feet or greater shall comply with either Section 5.105.2, 5.409.2, or 5.409.3. Addition(s) to existing building(s) where the total floor area combined with the existing building(s) is 50,000 square feet or greater shall comply with either Section 5.105.2, Section 5.409.2, or Section 5.409.3.

5.409.2 Whole building life cycle assessment. Projects shall conduct a cradle-to-grave whole building life cycle assessment performed in accordance with ISO 14040 and ISO 14044, excluding operating energy, and demonstrating a minimum 10-percent reduction in global warming potential (GWP) as compared to a reference baseline building of similar size, function, complexity, type of construction, material specification, and location that meets the requirements of the California Energy Code currently in effect. Software used to conduct the whole building life cycle assessment, including reference baseline building, shall have a data set compliant with ISO 14044, and ISO 21930 or EN 15804, and the software shall conform to ISO 21931 and/or EN 15978. The software tools and data sets shall be the same for evaluation of both the baseline building and the proposed building.

Notes:
1. Software for calculating whole building life cycle assessment is available for free at Athena Sustainable Materials Institute (https://calculatelca.com/software/impact-estimator/) and OneClick LCA-Planetary (www.oneclicklca.com/planetary). Paid versions include, but are not limited to, Sphera GaBi Solutions (gabi.sphera.com), SimaPro (simapro.com), One-Click LCA (www.oneclicklca.com) and Tally for Revit (apps.autodesk.com).
2. ASTM E2921-22 "Standard Practice for Minimum Criteria for Comparing Whole Building Life Cycle Assessments for Use with Building Codes, Standards, and Rating Systems" may be consulted for the assessment.
3. In addition to the required documentation specified in Section 5.409.2.3, Worksheet WS-9 may be required by the enforcing entity to demonstrate compliance with the requirements.

5.409.2.1 Building components. Building enclosure components included in the assessment shall be limited to glazing assemblies, insulation, and exterior finishes. Primary and secondary structural members included in the assessment shall be limited to footings and foundations, and structural columns, beams, walls, roofs, and floors.

5.409.2.2 Reference study period. The reference study period of the proposed building shall be equal to the reference baseline building and shall be 60 years.

5.409.2.3 Verification of compliance. A summary of the GWP analysis produced by the software and Worksheet WS-4 signed by the design professional of record shall be provided in the construction documents as documentation of compliance. A copy of the whole building life cycle assessment which includes the GWP analysis produced by the software, in addition to maintenance and training information, shall be included in the operation and maintenance manual and shall be provided to the owner at the close of construction. The enforcing agency may require inspection and inspection reports in accordance with Sections 702.2 and 703.1 during and at completion of construction to demonstrate substantial conformance. Inspection shall be performed by the design professional of record or third party acceptable to the enforcing agency.

5.409.3 Product GWP compliance—prescriptive path. Each product that is permanently installed and listed in Table 5.409.3 shall have a Type III environmental product declaration (EPD), either product-specific or factory-specific.

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CONSULTANT:

DRAWING SEAL:

LICENSED ARCHITECT
ROBERT J. SARGENTI
No. C-31054
07/31/27
Renewal Date
STATE OF CALIFORNIA

06/23/26

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS
3	06/08/26	DEVELOPMENT COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AD REVIEWED BY: AE

TITLE:

CALGREEN

SHEET NUMBER:

G001.2

DISCLAIMER:*THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING DEPARTMENT JURISDICTIONS, THIS CHECKLIST IS TO BE USED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END USER ASSUMES ALL RESPONSIBILITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CODE.*

2025 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 3

AIA California

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

Y	N/A	RESPON. PARTY

TABLE 5.409.3
PRODUCT GWP LIMITS

BUY CLEAN CALIFORNIA MATERIALS PRODUCT CATEGORY[1]	MAXIMUM ACCEPTABLE GWP VALUE (unfabricated) ($GWP_{allowed}$)	UNIT OF MEASUREMENT
Hot-rolled structural steel sections	1.77	MT CO_2e/MT
Hollow structural sections	3.00	MT CO_2e/MT
Steel plate	2.61	MT CO_2e/MT
Concrete reinforcing steel	1.56	MT CO_2e/MT
Flat glass	2.50	kg CO_2e/MT
Light-density mineral wool board insulation	5.83	kg CO_2e/MT
Heavy-density mineral wool board insulation	14.28	kg CO_2e/MT
Concrete, Ready-Mixed[2, 3]		
CONCRETE PRODUCT CATEGORY	**MAXIMUM GWP ALLOWED VALUE ($GWP_{allowed}$)**	**UNIT OF MEASUREMENT**
up to 2499 psi	450	kg CO_2e/m^3
2500−3499 psi	489	kg CO_2e/m^3
3500−4499 psi	566	kg CO_2e/m^3
4500−5499 psi	661	kg CO_2e/m^3
5500−6499 psi	701	kg CO_2e/m^3
6500 psi and greater	799	kg CO_2e/m^3
Concrete, Lightweight Ready-Mixed[2]		
CONCRETE PRODUCT CATEGORY	**MAXIMUM GWP ALLOWED VALUE ($GWP_{allowed}$)**	**UNIT OF MEASUREMENT**
up to 2499 psi	875	kg CO_2e/m^3
2500−3499 psi	956	kg CO_2e/m^3
3500−4499 psi	1039	kg CO_2e/m^3

1. The GWP values of the products listed in Table 5.409.3 are based on 175 percent of Buy Clean California Act (BCCA) GWP values, except for concrete products which are not included in the BCCA.
2. For concrete, 175 percent of the National Ready Mixed Concrete Association (NRMCA) 2022 version 3 Pacific Southwest regional benchmark values are used for the GWP allowed, except for High Early Strength.
3. Concrete High Early Strength ready-mixed shall be calculated at 130 percent of the ready-mixed concrete GWP allowed values for each product category**.**

5.409.3.1 Products shall not exceed the maximum GWP value specified in Table 5.409.3.

Exception: Concrete may be considered one product category to meet compliance with this section. A weighted average of the maximum GWP for all concrete mixes installed in the project shall be less than the weighted average maximum GWP allowed per Table 5.409.3 using Exception Equation 5.409.3.1. Calculations shall be performed with consistent units of measurement for the material quantity and the GWP value.

For the purposes of this exception, industry-wide EPDs are acceptable.

Exception EQUATION 5.409.3.1

$GWP_n < GWP_{allowed}$
where
$GWP_n = \Sigma\ (GWP_n)(v_n)$
and
$GWP_{allowed} = \Sigma\ (GWP_{allowed})(v_n)$
and
$_n$ = each concrete mix installed in the project
GWP_n = the GWP for concrete mix $_n$ per concrete mix EPD, in kg CO2e/m3
$GWP_{allowed}$ = the GWP potential allowed for concrete mix $_n$ per Table 5.409.3
v_n = the volume of concrete mix $_n$ installed in the project, in m3

5.409.3.2 Verification of compliance. Calculations to demonstrate compliance, Type III EPDs for products required to comply, if included in the project, and Worksheet WS-5 signed by the design professional of record shall be provided on the construction documents. Updated EPDs for products used in construction shall be provided to the owner at the close of construction and to the enforcement entity upon request. The enforcing agency may require inspection and inspection reports in accordance with Sections 702.2 and 703.1 during and at completion of construction to demonstrate substantial conformance. Inspection shall be performed by the design professional of record or third party acceptable to the enforcing agency.

SECTION 5.410 BUILDING MAINTENANCE AND OPERATIONS

5.410.1 RECYCLING BY OCCUPANTS. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive.

Exception: Rural jurisdictions that meet and apply for the exemption in Public Resources Code 42649.82 (a)(2)(A) et seq. shall also be exempt from the organic waste portion of this section.

5.410.1.1 Additions. All additions conducted within a 12-month period under single or multiple permits, resulting in an increase of 30% or more in floor area, shall provide recycling areas on site.

Exception: Additions within a tenant space resulting in less than a 30% increase in the tenant space floor area.

5.410.1.2 Sample ordinance. Space allocation for recycling areas shall comply with Chapter 18, Part 3, Division 30 of the *Public Resources Code*. Chapter 18 is known as the California Solid Waste Reuse and Recycling Access Act of 1991 (Act).

Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's web site.

5.410.2 COMMISSIONING. [N] New buildings 10,000 square feet and over. For new buildings 10,000 square feet and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements. Commissioning shall be performed in accordance with this section by trained personnel with experience on projects of comparable size and complexity. For I-occupancies that are not regulated by OSHPD or for I-occupancies and L-occupancies that are not regulated y the California Energy Code Section 100.0 Scope, all requirements in Sections 5.410.2 through 5.410.2.6 shall apply.

Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting systems and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements

Commissioning requirements shall include:

1. Owner's or Owner representative's project requirements.
2. Basis of Design.
3. Commissioning measures shown in the construction documents.
4. Commissioning plan.
5. Functional performance testing.
6. Documentation and training.
7. Commissioning report.

Exceptions:

1. Unconditioned warehouses of any size.
2. Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within unconditioned warehouses.
3. Tenant improvements less than 10,000 square feet as described in Section 303.1.1.
4. Open parking garages of any size, or open parking garage areas, of any size, within a structure.

Note: For the purposes of this section, unconditioned shall mean a building, area or room which does not provide heating and/or air conditioning.

Informational Notes:

1. Functional performance testing for heating, ventilation, air conditioning systems and lighting controls must be performed in compliance with the *California Energy Code*.

5.410.2.1 Owner's or Owner Representative's Project Requirements (OPR). [N] The expectations and requirements of the building appropriate to its phase shall be documented before the design phase of the project begins. This documentation shall include the following:

1. Environmental and sustainability goals.
2. Building sustainable goals.
3. Indoor environmental quality requirements.
4. Project program, including facility functions and hours of operation, and need for after hours operation.
5. Equipment and systems expectations.
6. Building occupant and operation and maintenance (O&M) personnel expectations.

5.410.2.2 Basis of Design (BOD). [N] A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project. The Basis of Design document shall cover the following systems:

1. Renewable energy systems.
2. Landscape irrigation systems.
3. Water reuse system.

5.410.2.3 Commissioning plan. [N] Prior to permit issuance a commissioning plan shall be completed to document how the project will be commissioned. The commissioning plan shall include the following:

1. General project information.
2. Commissioning goals.
3. Systems to be commissioned. Plans to test systems and components shall include:
   a. An explanation of the original design intent.
   b. Equipment and systems to be tested, including the extent of tests.
   c. Functions to be tested.
   d. Conditions under which the test shall be performed.
   e. Measurable criteria for acceptable performance.
4. Commissioning team information.
5. Commissioning process activities, schedules and responsibilities. Plans for the completion of commissioning shall be included.

5.410.2.4 Functional performance testing. [N] Functional performance tests shall demonstrate the correct installation and operation of each component, system and system-to-system interface in accordance with the approved plans and specifications. Functional performance testing reports shall contain information addressing each of the building components tested, the testing methods utilized, and include any readings and adjustments made.

5.410.2.5 Documentation and training. [N] A Systems Manual and Systems Operations Training are required, including Occupational Safety and Health Act (OSHA) requirements in *California Code of Regulations* (CCR), Title 8, Section 5142, and other related regulations.

5.410.2.5.1 Systems manual. [N] Documentation of the operational aspects of the building shall be completed within the systems manual and delivered to the building owner or representative. The systems manual shall include the following:

1. Site information, including facility description, history and current requirements.
2. Site contact information.
3. Basic operations and maintenance, including general site operating procedures, basic troubleshooting, recommended maintenance requirements, site events log.
4. Major systems.
5. Site equipment inventory and maintenance notes.
6. A copy of verifications required by the enforcing agency or this code.
7. Other resources and documentation, if applicable.

5.410.2.5.2 Systems operations training. [N] A program for training of the appropriate maintenance staff for each equipment type and/or system shall be developed and documented in the commissioning report and shall include the following:

1. System/equipment overview (what it is, what it does and with what other systems and/or equipment it interfaces).
2. Review and demonstration of servicing/preventive maintenance.
3. Review of the information in the Systems Manual.
4. Review of the record drawings on the system/equipment.

5.410.2.6 Commissioning report. [N] A report of commissioning process activities undertaken through the design and construction phases of the building project shall be completed and provided to the owner or representative.

5.410.4 TESTING AND ADJUSTING. New buildings less than 10,000 square feet. Testing and adjusting of systems shall be required for new buildings less than 10,000 square feet or new systems to serve an addition or alteration subject to Section 303.1.

5.410.4.2 (Reserved)

Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting system and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements and Sections 120.5, 120.6, 130.4, and 140.9(b)3 for additional testing requirements of specific systems.

5.410.4.2 Systems. Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include at a minimum, as applicable to the project:

1. Renewable energy systems.
2. Landscape irrigation systems.
3. Water reuse systems.

5.410.4.3 Procedures. Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system.

5.410.4.3.1 HVAC balancing. In addition to testing and adjusting, before a new space-conditioning system serving a building or space is operated for normal use, the system shall be balanced in accordance with the procedures defined by the Testing Adjusting and Balancing Bureau National Standards; the National Environmental Balancing Bureau Procedural Standards; Associated Air Balance Council National Standards or as approved by the enforcing agency.

5.410.4.4 Reporting. After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services.

5.410.4.5 Operation and maintenance (O & M) manual. Provide the building owner or representative with detailed operating and maintenance instructions and copies of guaranties/warranties for each system. O & M instructions shall be consistent with OSHA requirements in CCR, Title 8, Section 5142, and other related regulations.

5.410.4.5.1 Inspections and reports. Include a copy of all inspection verifications and reports required by the enforcing agency.

DIVISION 5.5 ENVIRONMENTAL QUALITY

SECTION 5.501 GENERAL

5.501.1 SCOPE. The provisions of this chapter shall outline means of reducing the quantity of air contaminants that are odorous, irritating, and/or harmful to the comfort and well-being of a building's installers, occupants and neighbors.

SECTION 5.502 DEFINITIONS

5.502.1 DEFINITIONS. The following terms are defined in Chapter 2 *(and are included here for reference)*

ARTERIAL HIGHWAY. A general term denoting a highway primarily for through traffic usually on a continuous route.

A-WEIGHTED SOUND LEVEL (dBA). The sound pressure level in decibels as measured on a sound level meter using the internationally standardized A-weighting filter or as computed from sound spectral data to which A-weighting adjustments have been made.

1 BTU/HOUR. British thermal units per hour, also referred to as Btu. The amount of heat required to raise one pound of water one degree Fahrenheit per hour, a common measure of heat transfer rate. A ton of refrigeration is 12,000 Btu, the amount of heat required to melt a ton (2,000 pounds) of ice at 32^0 Fahrenheit.

COMMUNITY NOISE EQUIVALENT LEVEL (CNEL). A metric similar to the day-night average sound level (Ldn), except that a 5 decibel adjustment is added to the equivalent continuous sound exposure level for evening hours (7pm to 10pm) in addition to the 10 dB nighttime adjustment used in the Ldn.

COMPOSITE WOOD PRODUCTS. Composite wood products include hardwood plywood, particleboard and medium density fiberboard. "Composite wood products" does not include hardboard, structural plywood, structural panels, structural composite lumber, oriented strand board, glued laminated timber, timber, prefabricated wood I–joists or finger–jointed lumber, all as specified in California Code of Regulations (CCR), Title 17, Section 93120.1(a).

Note: See CCR, Title 17, Section 93120.1.

DAY-NIGHT AVERAGE SOUND LEVEL (Ldn). The A-weighted equivalent continuous sound exposure level for a 24-hour period with a 10 dB adjustment added to sound levels occurring during nighttime hours (10p.m. to 7 a.m.).

DECIBEL (db). A measure on a logarithmic scale of the magnitude of a particular quantity (such as sound pressure, sound power, sound intensity) with respect to a reference quantity.

EXPRESSWAY. An arterial highway for through traffic which may have partial control of access, but which may or may not be divided or have grade separations at intersections.

FREEWAY. A divided arterial highway with full control of access and with grade separations at intersections.

GLOBAL WARMING POTENTIAL (GWP). The radiative forcing impact of one mass-based unit of a given greenhouse gas relative to an equivalent unit of carbon dioxide over a given period of time. Carbon dioxide is the reference compound with a GWP of one.

GLOBAL WARMING POTENTIAL VALUE (GWP VALUE). A 100-year GWP value published by the Intergovernmental Panel on Climate Change (IPCC) in either its Second Assessment Report (SAR) (IPCC, 1995); or its Fourth Assessment A-3 Report (AR4) (IPCC, 2007). The SAR GWP values are found in column "SAR (100-yr)" of Table 2.14.; the AR4 GWP values are found in column "100 yr" of Table 2.14.

HIGH-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that is: (a) a chlorofluorocarbon, a hdrochlorofluorocarbon, a hydrofluorocarbon, a perfluorocarbon, or any compound or blend of compounds, with a GWP value equal to or greater than 150, or (B) any ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009)**.**

LONG RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a radius 1.5 times the pipe diameter.

LOW-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that: (A) has a GWP value less than 150, and (B) is not an ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009).

MERV. Filter minimum efficiency reporting value, based on ASHRAE 52.2–1999.

MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a compound to the "Base REactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundreths of a gram (g O^3/g ROC).

PRODUCT-WEIGHTED MIR (PWMIR). The sum of all weighted-MIR for all ingredients in a product subject to this article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of product (excluding container and packaging).

PSIG. Pounds per square inch, guage.

REACTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to ozone formation in the troposphere.

SCHRADER ACCESS VALVES. Access fittings with a valve core installed.

SHORT RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a radius 1.0 times the pipe diameter.

SUPERMARKET. For the purposes of Section 5.508.2, a supermarket is any retail food facility with 8,000 square feet or more conditioned area, and that utilizes either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units.

VOC. A volatile organic compound broadly defined as a chemical compound based on carbon chains or rings with vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a).

Note: Where specific regulations are cited from different agencies such as SCAQMD, ARB, etc., the VOC definition included in that specific regulation is the one that prevails for the specific measure in question.

SECTION 5.503 FIREPLACES

5.503.1 FIREPLACES. Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove or pellet stove, and refer to residential requirements in the California Energy Code, Title 24, Part 6, Subchapter 7, Section 150. Woodstoves, pellet stoves and fireplaces shall comply with applicable local ordinances.

5.503.1.1 Woodstoves. Woodstoves and pellet stoves shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits.

SECTION 5.504 POLLUTANT CONTROL

5.504.1 TEMPORARY VENTILATION. The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30% based on ASHRAE 52.1-1992 Replace all filters immediately prior to occupancy, or, if the building is occupied during alteration, at the conclusion of construction.

5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilation equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may enter the system.

5.504.4 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6.

5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:

1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.
2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of *California Code of Regulations*, Title 17, commencing with Section 94507.

TABLE 5.504.4.1 - ADHESIVE VOC LIMIT[1,2]

Less Water and Less Exempt Compounds in Grams per Liter

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
INDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVES	150
WOOD FLOORING ADHESIVES	100
RUBBER FLOOR ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT & ASPHALT TILE ADHESIVES	50
DRYWALL & PANEL ADHESIVES	50
COVE BASE ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVES	70
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
OTHER ADHESIVES NOT SPECIFICALLY LISTED	50
SPECIALTY APPLICATIONS	
PVC WELDING	510
CPVC WELDING	490
ABS WELDING	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP & TRIM ADHESIVE	250
SUBSTRATE SPECIFIC APPLICATIONS	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30
FIBERGLASS	80

1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.

2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168, www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF

TABLE 5.504.4.2 - SEALANT VOC LIMIT

Less Water and Less Exempt Compounds in Grams per Liter

SEALANTS	CURRENT VOC LIMIT
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLE-PLY ROOF MEMBRANE	450
OTHER	420
SEALANT PRIMERS	
ARCHITECTURAL	
NONPOROUS	250
POROUS	775
MODIFIED BITUMINOUS	500
MARINE DECK	760
OTHER	750

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.

5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

5.504.4.3.1 Aerosol Paints and coatings. Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of *California Code of Regulations*, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.

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CONSULTANT:

DRAWING SEAL:

LICENSED ARCHITECT
ROBERT J. SARGENTI
No. C-31054
07/31/27
Renewal Date
STATE OF CALIFORNIA

06/23/26

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

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	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS
3	06/08/26	DEVELOPMENT COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE # 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AD REVIEWED BY: AE

TITLE:

CALGREEN

SHEET NUMBER:

G001.3

DISCLAIMER:*THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING DEPARTMENT JURISDICTIONS, THIS CHECKLIST IS TO BE USED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END USER ASSUMES ALL RESPONSIBILITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CODE.*

2025 CALIFORNIA GREEN BUILDING STANDARDS CODE
NONRESIDENTIAL MANDATORY MEASURES, SHEET 4

AIA California

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

Y	N/A	RESPON. PARTY

TABLE 5.504.4.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS1,2,3

GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS

COATING CATEGORY	CURRENT VOC LIMIT
FLAT COATINGS	50
NONFLAT COATINGS	100
NONFLAT HIGH GLOSS COATINGS	150
SPECIALTY COATINGS:	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
BITUMINOUS ROOF PRIMERS	350
BOND BREAKERS	350
CONCRETE CURING COMPOUNDS	350
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	50
DRY FOG COATINGS	150
FAUX FINISHING COATINGS	350
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	100
FORM-RELEASE COMPOUNDS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	420
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS1	120
MAGNESITE CEMENT COATINGS	450
MASTIC TEXTURE COATINGS	100
METALLIC PIGMENTED COATINGS	500
MULTICOLOR COATINGS	250
PRETREATMENT WASH PRIMERS	420
PRIMERS, SEALERS, & UNDERCOATERS	100
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	250
SHELLACS:	
CLEAR	730
OPAQUE	550
SPECIALTY PRIMERS, SEALERS & UNDERCOATERS	100
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	100
TUB & TILE REFINISH COATINGS	420
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMERS	340

1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS

2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.

3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.

5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:
1. Manufacturer's product specification
2. Field verification of on-site product containers

5.504.4.4 Carpet Systems.
All carpet installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers." Version 1.2, January 2017 (Emission testing method for California Specifications 01350).

See California Department of Public Health's website for certification programs and testing labs.
https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the California Department of Public Health,"Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers,"Version 1.2, January 2017 (Emission testing method for California Specifications 01350).

See California Department of Public Health's website for certification programs and testing labs.
https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.

5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure (ATCM) for Composite Wood (17 CCR 93120 et seq.). Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table 5.504.4.5.

5.504.4.5.3 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:
1. Product certifications and specifications.
2. Chain of custody certifications.
3. Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.).
4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269 or European 636 3S standards.
5. Other methods acceptable to the enforcing agency.

TABLE 5.504.4.5 - FORMALDEHYDE LIMITS.

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION

PRODUCT	CURRENT LIMIT
HARDWOOD PLYWOOD VENEER CORE	0.05
HARDWOOD PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.09
MEDIUM DENSITY FIBERBOARD	0.11
THIN MEDIUM DENSITY FIBERBOARD2	0.13

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12.

2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES (8 MM).

5.504.4.6 Resilient flooring systems. Where resilient flooring is installed, at least 80 percent of floor area receiving resilient flooring shall meet the requirements of the California Department of Public Health,"Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specifications 01350)

See California Department of Public Health's website for certification programs and testing labs.
https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.6.1 Verification of compliance. Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.

5.504.4.7 Thermal insulation
Comply with the requirements of the California Department of Public Health, "Standard Method of the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, "Version 1.2, January 1.2, January 2017 (Emission testing method for California Specification 01350).
See California Department of Public Health's website for certification programs and testing labs.
https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.7.1 Verification of compliance.
Documentation shall be provided verifying that thermal insulation materials meet the pollutant emission limits.

5.504.4.8 Acoustical ceiling and wall panels.
Comply with the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, " Version 1.2, January 2017 (Emission testing method for California Specification 01350).
See California Department of Public Health's website for certification programs and testing labs.

5.504.4.8.1 Verification of compliance. Documentation shall be provided verifying that acoustical finish materials meet the pollutant emission limits.

5.504.5 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a Minimum Efficiency Reporting Value (MERV) of 13. MERV 13 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.

Exceptions: Existing mechanical equipment.

5.504.5.1 Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating.

Y	N/A	RESPON. PARTY
☐	☒	

5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL. Where outdoor areas are provided for smoking, prohibit smoking within 25 feet of building entries, outdoor air intakes and operable windows and within the building as already prohibited by other laws or regulations; or as enforced by ordinances, regulations or policies of any city, county, city and county, California Community College, campus of the California State University, or campus of the University of California, whichever are more stringent. When ordinances, regulations or policies are not in place, post signage to inform building occupants of the prohibitions.

SECTION 5.505 INDOOR MOISTURE CONTROL

Y	N/A	RESPON. PARTY
☒	☐	ARCHITECT

5.505.1 INDOOR MOISTURE CONTROL. Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures, see Section 5.407.2 of this code.

SECTION 5.506 INDOOR AIR QUALITY

Y	N/A	RESPON. PARTY
☒	☐	ARCHITECT & MEP

5.506.1 OUTSIDE AIR DELIVERY. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 (Requirements For Ventilation) of the *California Energy Code*, or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.

5.506.2 CARBON DIOXIDE (CO_2) MONITORING. For buildings or additions equipped with demand control ventilation, CO_2 sensors and ventilation controls shall be specified and installed in accordance with the requirements of the California Energy Code, Section 120(c)(4).

5.506.3 Carbon dioxide (CO2) monitoring in classrooms.
[DSA-SS] Classrooms and other similar rooms that are used for group instruction shall be equipped with a carbon dioxide monitor or sensor.

[BSC-CG] Newly constructed projects and qualifying additions and alterations (per scope in Section 301.3) for University of California, California State University and private school classrooms, lecture and post-secondary classrooms shall be equipped with a carbon dioxide monitor or sensor.

[DSA-SS, BSC-CG] The carbon dioxide monitor or sensor shall meet the following requirements:
1. The monitor or sensor shall be permanently affixed in a tamper-proof manner in each classroom between 3 and 6 feet (914 mm and 1829 mm) above the floor and at least 5 feet (1524 mm) away from door and operable windows.
2. When the monitor or sensor is not integral to an Energy Management Control System (EMCS), the monitor or sensor shall display the carbon dioxide readings on the device. When the sensor is integral to an EMCS, the carbon dioxide readings shall be available to and regularly monitored by facility personnel.
3. A monitor shall provide notification though a visual indicator on the monitor when the carbon dioxide levels in the classroom have exceeded 1,100ppm. A sensor integral to an EMCS shall provide notification to facility personnel through a visual and/or audible indicator when the carbon dioxide levels in the classroom have exceed 1,100ppm.
4. The monitor or EMCS devices used to measure carbon dioxide levels shall maintain a record of previous data that includes at least the maximum carbon dioxide concentration measured.
5. The monitor or sensor used to measure carbon dioxide levels shall have the capacity to measure carbon dioxide levels with a range of 400ppm to 2000ppm or greater.
6. The monitor or sensor shall be certified by the manufacturer to be accurate within 75ppm at 1,000ppm carbon dioxide concentration and shall be certified by the manufacturer to require calibration no more frequently than once every 5 years.

SECTION 5.507 ENVIRONMENTAL COMFORT

Y	N/A	RESPON. PARTY
☐	☒	

5.507.4 ACOUSTICAL CONTROL. Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E 90 and ASTM E 413, or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.

Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.

Exception: [DSA-SS] For public schools and community colleges, the requirements of this section and all subsections apply only to new construction.

5.507.4.1 Exterior noise transmission, prescriptive method. Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:

1. Within the 65 CNEL noise contour of an airport.

   Exceptions:

   1. L_{dn} or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan.
   2. L_{dn} or CNEL for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element.

2. Within the 65 CNEL or L_{dn} noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.

5.507.4.1.1. Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of 65 dB L_{eq} - 1-hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).

5.507.4.2 Performance Method. For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (Leq-1Hr) of 50 dBA in occupied areas during any hour of operation.

5.507.4.2.1 Site Features. Exterior features such as sound walls or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.

5.507.4.2.2 Documentation of Compliance. An acoustical analysis documenting complying interior soundlevels shall be prepared by personnel approved by the architect or engineer of record.

5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.

Note: Examples of assemblies and their various STC ratings may be found at the California Office of Noise Control: www.toolbase.org/PDF/CaseStudies/stc_icc_ratings.pdf.

Y	N/A	RESPON. PARTY
☒	☐	MEP

SECTION 5.508 OUTDOOR AIR QUALITY

5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.

5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration and fire suppression equipment that do not contain CFCs.

5.508.1.2 Halons. Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.

☐	☒	

5.508.2 Supermarket refrigerant leak reduction. New commercial refrigeration systems shall comply with the provisions of this section when installed in retail food stores 8,000 square feet or more conditioned area, and that utilize either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units. The leak reduction measures apply to refrigeration systems containing high-global-warming potential (high-GWP) refrigerants with a GWP of 150 or greater. New refrigeration systems include both new facilities and the replacement of existing refrigeration systems in existing facilities.

Exception: Refrigeration systems containing low-global warming potential (low-GWP) refrigerant with a GWP value less than 150 are not subject to this section. Low-GWP refrigerants are nonozone-depleting refrigerants that include ammonia, carbon dioxide (CO_2), and potentially other refrigerants.

5.508.2.1 Refrigerant piping. Piping compliant with the California Mechanical Code shall be installed to be accessible for leak protection and repairs. Piping runs using threaded pipe, copper tubing with an outside diameter (OD) less than 1/4 inch, flared tubing connections and short radius elbows shall not be used in refrigerant systems except as noted below.

5.508.2.1.1 Threaded pipe. Threaded connections are permitted at the compressor rack.

5.508.2.1.2 Copper pipe. Copper tubing with an OD less than 1/4 inch may be used in systems with a refrigerant charge of 5 pounds or less.

5.508.2.1.2.1 Anchorage. One-fouth-inch OD tubing shall be securely clamped to a rigid base to keep vibration levels below 8 mils.

5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure controls, valve pilot lines and oil.

Exception: Single-flared tubing connections may be used with a multiring seal coated with industrial sealant suitable for use with refrigerants and tightened in accordance with manufacturer's recommendations.

5.508.2.1.4 Elbows. Short radius elbows are only permitted where space limitations prohibit use of long radius elbows.

5.508.2.2 Valves. Valves Valves and fittings shall comply with the *California Mechanical Code* and as follows.

5.508.2.2.1 Pressure relief valves. For vessels containing high-GWP refrigerant, a rupture disc shall be installed between the outlet of the vessel and the inlet of the pressure relief valve.

5.508.2.2.1.1 Pressure detection. A pressure gauge, pressure transducer or other device shall be installed in the space between the rupture disc and the relief valve inlet to indicate a disc rupture or discharge of the relief valve.

5.508.2.2.2 Access valves. Only Schrader access valves with a brass or steel body are permitted for use.

5.508.2.2.2.1 Valve caps. For systems with a refrigerant charge of 5 pounds or more, valve caps shall be brass or steel and not plastic.

5.508.2.2.2.2 Seal caps. If designed for it, the cap shall have a neoprene O-ring in place.

5.508.2.2.2.2.1 Chain tethers. Chain tethers to fit ovr the stem are required for valves designed to have seal caps.

Exception: Valves with seal caps that are not removed from the valve during stem operation.

5.508.2.3 Refrigerated service cases. Refrigerated service cases holding food products containing vinegar and salt shall have evaporator coils of corrosion-resistant material, such as stainless steel; or be coated to prevent corrosion from these substances.

5.508.2.3.1 Coil coating. Consideration shall be given to the heat transfer efficiency of coil coating to maximize energy efficiency.

5.508.2.4 Refrigerant receivers. Refrigerant receivers with capacities greater than 200 pounds shall be fitted with a device tha indicates the level of refrigerant in the receiver.

5.508.2.5 Pressure testing. The system shall be pressure tested during installation prior to evacuation and charging.

5.508.2.5.1 Minimum pressure. The system shall be charged with regulated dry nitrogen and appropriate tracer gas to bring system pressure up to 300 psig minimum.

5.508.2.5.2 Leaks. Check the system for leaks, repair any leaks, and retest for pressure using the same gauge.

5.508.2.5.3 Allowable pressure change. The system shall stand, unaltered, for 24 hours with no more than a +/- one pound pressure change from 300 psig, measured with the same gauge.

5.508.2.6 Evacuation. The system shall be evacuated after pressure testing and prior to charging.

5.508.2.6.1 First vacuum. Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and hold for 30 minutes.

5.508.2.6.2 Second vacuum. Pull a second system vacuum to a minimum of 500 microns and hold for 30 minutes.

5.508.2.6.3 Third vacuum. Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

CHAPTER 7
INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS

702 QUALIFICATIONS

Y	N/A	RESPON. PARTY
☒	☐	GC/OWNER

702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. Examples of acceptable HVAC training and certification programs include but are not limited to the following:

1. State certified apprenticeship programs.
2. Public utility training programs.
3. Training programs sponsored by trade, labor or statewide energy consulting or verification organizations.
4. Programs sponsored by manufacturing organizations.
5. Other programs acceptable to the enforcing agency.

☒	☐	GC/OWNER

702.2 SPECIAL INSPECTION [HCD].
When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be considered by the enforcing agency when evaluating the qualifications of a special inspector:

1. Certification by a national or regional green building program or standard publisher.
2. Certification by a statewide energy consulting or verification organization, building performance contractors, and home energy auditors.
3. Successful completion of a third party apprentice training program in the appropriate trade.
4. Other programs acceptable to the enforcing agency.

Notes:
1. Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

[BSC-CG] When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition, the special inspector shall have a certification from a recognized state, national or international association, as determined by the local agency. The area of certification shall be closely related to the primary job function, as determined by the local agency.

Note: Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

Y	N/A	RESPON. PARTY
☒	☐	GC/OWNER

703 VERIFICATIONS

703.1 DOCUMENTATION. Documentation used to show compliance with this code shall include but is not limited to, construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which demonstrate substantial conformance. When specific documentation or special inspection is necessary to verify compliance, that method of compliance will be specified in the appropriate section or identified applicable checklist.

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CONSULTANT:

DRAWING SEAL:

LICENSED ARCHITECT
ROBERT J. SARGENTI
No. C-31054
07/31/27
Renewal Date
STATE OF CALIFORNIA

06/23/26

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

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	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS
3	06/08/26	DEVELOPMENT COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AD REVIEWED BY: AE

TITLE:

CALGREEN

SHEET NUMBER:

G001.4

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VOC COMPLIANCE DETAILS				
Item	Material	VOC (g/L)	CALGreen Limit (g/L)	Compliance
P-1 Paint	Sherwin Williams SW6871 - Eggshell Finish	50	100	Compliant
P-2 Paint	Sherwin Williams SW7757 - Eggshell Finish	50	100	Compliant
P-3 Paint	Sherwin Williams SW6686 - Eggshell Finish	50	100	Compliant
P-4 Paint	Sherwin Williams SW6258 - Eggshell Finish	50	100	Compliant
WF-1 Laminate Panel	Nevamar Plazzo WK0024	30	30	Compliant
WF-2 Laminate Panel	Formica #845-58 Spectrum Red	30	30	Compliant
B-1 Vinyl Wall Base	Burke 701 Black	50	50	Compliant
Sealant	Mapei Kerapoxy IEG CQ (Grout)	250	250	Compliant

- Non-Emitting Materials (No VOC, Automatically Compliant)

  - WF-3 Wall Tile, WF-4 Rock Accent Wall, WF-5 Wall Tile
  - FRP-1 Fiberglass Reinforced Plastic
  - STS Stainless Steel
  - FT-1 Tile Floor, FT-2 Quarry Tile Floor, B-2 Quarry Cove Base, B-3 Wall Tile

SHEET REFERENCE TABLE FOR APPLICABLE SECTIONS		
CALGREEN SECTION	RESPONSIBLE DISCIPLINE	SHEET REFERENCE
5.303.3 - INDOOR WATER USE	ENGINEER	P100, P200
5.408 - CONSTRUCTION WASTE MANAGEMENT	GENERAL CONTRACTOR (GC)	GC NOTES SECTION
5.504.4 - LOW-EMITTING MATERIALS	ARCHITECTURAL (A)	G001.5 VOC COMPLIANCE TABLE
5.201.1 - ENERGY EFFICIENCY	ENGINEER	E104, E105, M300, M301, M302
5.303.4 COMMERCIAL KITCHEN EQUIPMENT.	FOOD SERVICE, VENDOR	FS SHEETS, ENGINEERING SHEETS
DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY	GC	-
5.505.1 INDOOR MOISTURE CONTROL	ENGINEER & ARCHITECT	M001, M300, A100 - A504
5.506.1 OUTSIDE AIR DELIVERY	ENGINEER	M001-M300
5.506.2 CARBON DIOXIDE (CO2) MONITORING	ARCHITECT, ENGINEER, GC	A101, M100
5.508.1 OZONE DEPLETION AND GREENHOUSE GAS REDUCTIONS	ENGINEER	M001
CHAPTER 7 INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS	GC/OWNER	-

GEGENERAL CONTRACTOR (GC) COMPLIANCE NOTE – MATERIAL CONSERVATION & RESOURCE EFFICIENCY

THE GENERAL CONTRACTOR (GC) SHALL COMPLY WITH THE 2025 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN) DIVISION 5.4, 5.5, CHAPTER 7, ENSURING MATERIAL CONSERVATION, RESOURCE EFFICIENCY, AND REDUCTION OF GREENHOUSE GAS (GHG) EMISSIONS. THE FOLLOWING MEASURES MUST BE IMPLEMENTED:

1. PROTECTION FROM MOISTURE INTRUSION (CALGREEN SECTION 5.407)
   - IMPLEMENT MOISTURE CONTROL MEASURES TO PROTECT THE BUILDING ENVELOPE FROM WATER INTRUSION.
   - ENSURE ALL EXTERIOR FLASHING, DAMP-PROOFING, WATERPROOFING, AND DRAINAGE SYSTEMS ARE PROPERLY INSTALLED PER MANUFACTURER RECOMMENDATIONS AND CODE REQUIREMENTS.
   - GRADE THE SITE AND INSTALL DRAINAGE SYSTEMS TO DIRECT WATER AWAY FROM THE FOUNDATION AND PREVENT WATER DAMAGE.

2. CONSTRUCTION WASTE DIVERSION (CALGREEN SECTION 5.408)
   - A MINIMUM OF 65% OF NON-HAZARDOUS CONSTRUCTION WASTE SHALL BE DIVERTED FROM LANDFILLS THROUGH REUSE, RECYCLING, OR SALVAGING.
   - THE CONTRACTOR MUST SUBMIT A CONSTRUCTION WASTE MANAGEMENT PLAN (CWMP) TO TRACK MATERIAL DISPOSAL AND DIVERSION RATES.
   - WASTE HAUL TICKETS, RECEIPTS, OR OTHER DOCUMENTATION SHALL BE MAINTAINED AND MADE AVAILABLE FOR INSPECTION.
   - UNIVERSAL WASTE (E.G., FLUORESCENT LAMPS, THERMOSTATS, AND BATTERIES) SHALL BE PROPERLY RECYCLED OR DISPOSED OF PER APPLICABLE HAZARDOUS WASTE REGULATIONS.

3. LOW-CARBON & RECYCLED MATERIAL USE (CALGREEN SECTION 5.410)
   - CONTRACTORS MUST COMPLY WITH THE BUY CLEAN CALIFORNIA ACT (BCCA) BY ENSURING THAT ALL STRUCTURAL STEEL, CONCRETE REINFORCING STEEL, FLAT GLASS, AND MINERAL WOOL BOARD INSULATION MEET THE MAXIMUM ALLOWABLE GLOBAL WARMING POTENTIAL (GWP) LIMITS SET BY THE DEPARTMENT OF GENERAL SERVICES (DGS).
   - UTILIZE MATERIALS WITH TYPE III ENVIRONMENTAL PRODUCT DECLARATIONS (EPD) WHENEVER AVAILABLE TO MINIMIZE ENVIRONMENTAL IMPACT:
   - PRODUCT-SPECIFIC EPDS SHALL BE PRIORITIZED FOR BUILDING MATERIALS.
   - USE INDUSTRY-WIDE EPDS (IW-EPDS) WHEN PRODUCT-SPECIFIC DATA IS UNAVAILABLE.
   - ENSURE ALL SPECIFIED MATERIALS CONTRIBUTE TO GHG REDUCTION AND LIFE CYCLE ENVIRONMENTAL SUSTAINABILITY.

4. TESTING, ADJUSTING, & BALANCING OF SYSTEMS (CALGREEN SECTION 5.410.4)
   - PERFORM SYSTEMATIC TESTING, ADJUSTING, AND BALANCING (TAB) OF HVAC, PLUMBING, AND ELECTRICAL SYSTEMS TO CONFIRM COMPLIANCE WITH DESIGN SPECIFICATIONS.
   - AIR AND WATER SYSTEMS MUST BE BALANCED TO PROPORTIONATE FLOWS PER DESIGN REQUIREMENTS.
   - ANY SYSTEM DISCREPANCIES SHALL BE ADJUSTED TO ACHIEVE OPTIMAL ENERGY EFFICIENCY.
   - PRIOR TO PERMIT BEING FINAL, A COMPLETE REPORT OF THE TESTING AND ADJUSTING SHALL BE PROVIDED TO THE OWNER OR OWNER'S REPRESENTATIVE AND FACILITIES OPERATOR, AND THE TESTING AND ADJUSTING FORM SHALL BE COMPLETED AND PROVIDED TO THE INSPECTOR.

5. BUILDING COMMISSIONING REQUIREMENTS (CALGREEN SECTION 5.410.2)
   - COMMISSIONING IS REQUIRED FOR NEW BUILDINGS 10,000 SQ. FT. OR LARGER AND SHALL INCLUDE:
   - VERIFICATION THAT SYSTEMS ARE INSTALLED, TESTED, AND PERFORMING PER THE OWNER'S PROJECT REQUIREMENTS (OPR).
   - FUNCTIONAL PERFORMANCE TESTING OF HVAC, LIGHTING CONTROLS, DOMESTIC HOT WATER, AND OTHER SYSTEMS.
   - PREPARATION OF COMMISSIONING REPORTS AND TRAINING FOR BUILDING STAFF.
   - A COMMISSIONING PLAN SHALL BE SUBMITTED AND MAINTAINED THROUGHOUT CONSTRUCTION.

6. ORGANIC WASTE MANAGEMENT (CALGREEN SECTION 5.410.1)
   - FOOD WASTE, GREEN WASTE, AND NON-HAZARDOUS WOOD WASTE GENERATED DURING - CONSTRUCTION SHALL BE SEPARATED AND DISPOSED OF PROPERLY.
   - CONTRACTORS SHALL IMPLEMENT ON-SITE RECYCLING AND COMPOSTING MEASURES WHERE APPLICABLE.

7. DOCUMENTATION & COMPLIANCE VERIFICATION
   - THE GC SHALL PROVIDE ALL NECESSARY DOCUMENTATION TO CONFIRM COMPLIANCE WITH CALGREEN SECTIONS 5.401 - 5.410.
   - DOCUMENTATION MAY INCLUDE:
   - MATERIAL DATA SHEETS FOR LOW-CARBON AND RECYCLED CONTENT MATERIALS.
   - CONSTRUCTION WASTE TRACKING LOGS & RECYCLING RECEIPTS.
   - TESTING AND BALANCING REPORTS FOR MECHANICAL SYSTEMS.
   - COMMISSIONING DOCUMENTATION FOR APPLICABLE SYSTEMS.

8. SUBMITTALS & FINAL APPROVAL
   - ALL COMPLIANCE DOCUMENTATION SHALL BE SUBMITTED PRIOR TO PROJECT CLOSEOUT.
   - ANY DEVIATIONS FROM THESE REQUIREMENTS SHALL BE REVIEWED AND APPROVED BY THE PROJECT TEAM BEFORE IMPLEMENTATION.

9. TEMPORARY HVAC SYSTEM USE DURING CONSTRUCTION (CALGREEN SECTION 5.504.1)
   - THE PERMANENT HVAC SYSTEM SHALL NOT BE USED DURING CONSTRUCTION UNLESS - NECESSARY TO MAINTAIN REQUIRED TEMPERATURE AND HUMIDITY LEVELS FOR MATERIAL AND EQUIPMENT INSTALLATION.
   - IF THE PERMANENT HVAC SYSTEM IS USED, THE FOLLOWING CONDITIONS MUST BE MET:
   INSTALL RETURN AIR FILTERS WITH A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8, AS PER ASHRAE 52.2-1999 OR A 30% AVERAGE EFFICIENCY PER ASHRAE 52.1-1992.
   REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY.
   - IF THE BUILDING IS OCCUPIED DURING ALTERATIONS, FILTERS MUST BE REPLACED AT THE CONCLUSION OF CONSTRUCTION.

10. HVAC PROTECTION DURING CONSTRUCTION (CALGREEN SECTION 5.504.3)
    - COVER ALL DUCT OPENINGS AND AIR DISTRIBUTION COMPONENTS AT THE TIME OF ROUGH INSTALLATION AND DURING STORAGE ON-SITE.
    - ACCEPTABLE DUCT PROTECTION METHODS INCLUDE:
    - SEALING DUCT OPENINGS WITH TAPE, PLASTIC, OR SHEET METAL COVERS.
    - ENSURING ALL HVAC EQUIPMENT IS PROTECTED FROM DUST, DEBRIS, AND MOISTURE INTRUSION.
    - MAINTAIN HVAC PROTECTION MEASURES UNTIL FINAL STARTUP OF HEATING, COOLING, AND VENTILATION SYSTEMS.

11. THE GC SHALL ENSURE ALL HVAC FILTERS ARE INSPECTED AND REPLACED PER CALGREEN REQUIREMENTS.
    - THE ENFORCING AGENCY MAY REQUIRE VERIFICATION OF COMPLIANCE, INCLUDING:
    - PHOTOS DOCUMENTING DUCT AND EQUIPMENT PROTECTION DURING CONSTRUCTION.
    - RECEIPTS FOR HVAC FILTER REPLACEMENT PRIOR TO OCCUPANCY.
    - JOBSITE INSPECTIONS CONFIRMING PROPER VENTILATION MANAGEMENT.

12. THE GENERAL CONTRACTOR (GC) SHALL COMPLY WITH CALGREEN CHAPTER 7, ENSURING ALL INSTALLERS AND SPECIAL INSPECTORS MEET THE REQUIRED TRAINING, CERTIFICATION, AND VERIFICATION STANDARDS.

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CONSULTANT:

DRAWING SEAL:

LICENSED ARCHITECT
ROBERT J. SARGENTI
No. C-31054
07/31/27
Renewal Date
STATE OF CALIFORNIA

06/23/26

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS
3	06/08/26	DEVELOPMENT COMMENTS

LOCATION:

TERIYAKI MADNESS

STORE #: 449 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: MR REVIEWED BY: AE

TITLE:

CALGREEN REFERENCE

SHEET NUMBER:

G001.5

FRANCHISEE / LANDLORD RESTRICTION NOTES:

1. NONE PROVIDED.

TERIYAKI MADNESS DRAWING GENERAL NOTES:

1. GENERAL
   - A. THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, A.I.A. STANDARD FORM A201 - CURRENT EDITION, ARE HEREBY INCORPORATED INTO THIS DOCUMENT EXCEPT AS SPECIFICALLY MODIFIED BELOW.
   - B. THE CONTRACTOR SHALL SECURE AND PAY FOR THE BUILDING PERMIT AND OTHER PERMITS AND GOVERNMENTAL FEES, LICENSES AND INSPECTIONS NECESSARY FOR PROPER EXECUTION AND COMPLETION OF THE WORK. SCHEDULING OF APPROVALS AND INSPECTIONS BY AUTHORITIES HAVING JURISDICTION (A.H.J.) OVER THE WORK IS THE RESPONSIBILITY OF THE CONTRACTOR.
   - C. THE CONTRACT DOCUMENTS CONVEY DESIGN INTENT AND THE GENERAL TYPE OF CONSTRUCTION DESIRED ARE INTENDED TO APPLY TO THE FINEST QUALITY OF CONSTRUCTION, MATERIAL AND WORKMANSHIP THROUGHOUT.
   - D. ANY ITEMS NOTED "BY OWNER" OR AS BEING PROVIDED BY OWNER IN THESE CONTRACT DOCUMENTS SHALL BE PROVIDED BY THE OWNER OR HIS VENDORS AND INSTALLED BY THE GENERAL CONTRACTOR OR HIS FORCES UNLESS EXPRESSLY NOTED AS BEING INSTALLED "BY OWNER" - REFER TO THE RESPONSIBILITY SCHEDULE FOR MORE INFORMATION. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL ACCESSORY MATERIALS REQUIRED TO INSTALL SUCH ITEMS AND MAKE FINAL CONNECTIONS.
   - E. PRIOR TO SUBMITTING A PROPOSAL OR COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VISIT THE PROJECT SITE TO COMPARE THE SCOPE OF WORK SHOWN ON THE DRAWINGS AND OTHER CONTRACT DOCUMENTS WITH EXISTING CONDITIONS. PROMPTLY REPORT ANY ERRORS, OMISSIONS, INCONSISTENCIES OR OTHER DETRIMENTAL CONDITIONS TO THE ARCHITECT. IF THE CONTRACTOR FAILS TO PERFORM THIS OBLIGATION, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS AND DAMAGES ASSOCIATED WITH ACTIONS REQUIRED TO CORRECT UNREPORTED CONDITIONS THAT OTHERWISE COULD HAVE BEEN AVOIDED.
   - F. IN THE EVENT THAT DISCREPANCIES ARE FOUND BETWEEN DRAWINGS AND/OR SPECIFICATIONS, THE CONTRACTOR SHALL REQUEST A CLARIFICATION FROM THE ARCHITECT IN WRITING. THE ARCHITECT'S RESPONSE TO THE CONTRACTOR'S REQUEST FOR INFORMATION SHALL NOT BE CAUSE FOR A CHANGE IN THE CONTRACT AMOUNT UNLESS IT IS AGREED THAT THE ORIGINAL SCOPE OF WORK HAS BEEN ALTERED BY THE RESPONSE.
   - G. THE SPECIFICATIONS AND ALL CONSULTANT DRAWINGS ARE SUPPLEMENTAL TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF ANY OF THE CONSULTANTS WORK AND TO BRING ANY DISCREPANCIES OR CONFLICTS TO THE ARCHITECTS ATTENTION FOR CLARIFICATION. IMPROPERLY INSTALLED WORK SHALL BE CORRECTED BY THE GENERAL CONTRACTOR AT HIS EXPENSE AND AT NO EXPENSE TO THE ARCHITECT, HIS CONSULTANTS OR THE OWNER.
   - H. GENERAL CONTRACTOR WILL COORDINATE ALL WORK WITH THE LANDLORD AND PERFORM WORK TO MEET ALL REQUIREMENTS OF THE LEASE AGREEMENT. CONTRACTORS WORK IS SUBJECT TO INSPECTION BY THE LANDLORD FOR COMPLIANCE WITH THE TERMS OF THE LEASE AGREEMENT.
   - I. PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL FURNISH A CONSTRUCTION SCHEDULE SHOWING THE CHRONOLOGICAL PHASES OF WORK, SCHEDULE OF VALUES, AND INSURANCE CERTIFICATE. THIS SCHEDULE SHALL INDICATE ORDERING LEAD TIMES, A BEGINNING AND END DATE FOR EACH PHASE AND A PROJECTED COMPLETION DATE FOR THE ENTIRE PROJECT.
   - J. THE CONTRACTOR IS WHOLLY RESPONSIBLE FOR THE COORDINATION AND SCHEDULING OF THE WORK EFFORTS FOR ALL ENGINEERS, SUBCONTRACTORS, CRAFTSMEN AND TRADESMEN REQUIRED TO COMPLETE THE JOB AND SHALL BE RESPONSIBLE FOR PROVIDING THEM WITH FULL SETS OF CURRENT DRAWINGS, ADDENDUM, AND OTHER SUPPLEMENTAL INFORMATION PERTINENT TO THE COMPLETION OF THE WORK.
   - K. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE VARIOUS TRADE ITEMS WITHIN THE SPACE AND ABOVE THE CEILINGS (INCLUDING BUT NOT LIMITED TO, STRUCTURAL MEMBERS,CONDUITS, RACEWAYS, LIGHT FIXTURES, CEILING SYSTEM AND ANY SPECIAL STRUCTURAL SUPPORTS REQUIRED) AND SHALL BE RESPONSIBLE FOR MAINTAINING THE FINISH CEILING HEIGHT ABOVE THE FINISH FLOOR INDICATED IN THE DRAWINGS AND THE FINISH SCHEDULE.
   - L. THE CONTRACTOR SHALL PROVIDE TEMPORARY LIGHTING AND ELECTRICAL SERVICE FOR TRADES.
   - M. UNLESS OTHERWISE STIPULATED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION, STORAGE AND PAYMENT OF ALL LABOR, MATERIALS, TAXES, EQUIPMENT, TOOLS, CONSTRUCTION EQUIPMENT, MACHINERY, TRANSPORTATION AND OTHER FACILITIES NECESSARY FOR PROPER EXECUTION AND COMPLETION OF THE WORK WHETHER OR NOT IT IS SPECIFICALLY CALLED OUT OR DETAILED ON THE DRAWINGS.
   - N. THE CONTRACTOR WARRANTS TO THE OWNER THAT MATERIALS AND EQUIPMENT FURNISHED UNDER THE CONTRACT WILL MEET INDUSTRY STANDARDS AND BE NEW AND OF GOOD QUALITY UNLESS OTHERWISE PERMITTED BY THE CONTRACT DOCUMENTS. THE WORK WILL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS, FREE FROM DEFECTS AND WILL BE COMPLETED IN A NEAT AND WORKMANLIKE MANNER ACCEPTABLE TO THE OWNER.
   - O. THE CONTRACTOR SHALL PROMPTLY CORRECT IN A PROFESSIONAL MANNER, AT NO COST TO THE OWNER AND WITHOUT CHANGE IN CONTRACT TIME, ALL NON-CONFORMING OR DEFECTIVE WORK AND DAMAGES CAUSED BY HIS WORK OR WORKMEN WHETHER DISCOVERED BEFORE OR AFTER SUBSTANTIAL COMPLETION.
   - P. THE CONTRACTOR SHALL INSPECT ALL EQUIPMENT AND SYSTEMS FOR PROPER OPERATIONS UPON SUBSTANTIAL COMPLETION OF PROJECT.
   - Q. THE CONTRACTOR SHALL THOROUGHLY CLEAN THE ENTIRE PROJECT SITE AND ADJACENT AFFECTED SPACES TO THE SATISFACTION OF THE OWNER.
   - R. THE GENERAL CONTRACTOR SHALL PROVIDE THE FOLLOWING REPORTS AND GUARANTEES TO THE OWNER OR OWNER'S REPRESENTATIVE:
     - a. ELECTRICAL INSPECTOR'S CERTIFICATE OF COMPLIANCE WITH A.H.J. REQUIREMENTS.
     - b. PLUMBING INSPECTOR'S CERTIFICATE OF COMPLIANCE WITH A.H.J. REQUIREMENTS
     - c. FIRE MARSHALL'S CERTIFICATE OF COMPLIANCE WITH A.H.J. REQUIREMENTS.
     - d. BUILDING INSPECTOR'S CERTIFICATE OF COMPLIANCE WITH A.H.J. REQUIREMENTS.
     - e. HEALTH DEPARTMENT CERTIFICATE OF COMPLIANCE WITH A.H.J. REQUIREMENTS.
     - f. A.H.J. CERTIFICATE OF OCCUPANCY.
2. DRAWING CONVENTIONS
   - A. DIMENSIONS TAKE PRECEDENCE OVER SCALE ON THE CONSTRUCTION DRAWINGS. NOTIFY THE ARCHITECT OF DISCREPANCIES BETWEEN DRAWING DIMENSIONS AND FIELD CONDITIONS.
   - B. PLAN DIMENSIONS ARE GIVEN TO FACE OF FINISH WALL OR FACE OF EXISTING WALL UNLESS OTHERWISE NOTED.
   - C. PARTITION THICKNESS IS DERIVED FROM DESCRIPTION OF THE PARTITION CONSTRUCTION AND/OR DESIGNATED DETAIL
   - D. PARTITIONS THAT INTERSECT INTERIOR OR EXTERIOR GLAZED WALLS ARE TO CENTER OF MULLIONS AND PERPENDICULAR TO EXTERIOR WALL UNLESS DETAILED OTHERWISE.
   - E. UNLESS OTHERWISE NOTED, PARTITIONS AND OTHER ELEMENTS ON THE DRAWING THAT ARE DRAWN AT AN OBLIQUE ANGLE ARE TO BE CONSTRUCTED AT A 45-DEGREE ANGLE TO THE MAIN GRID.
   - F. WALLS SHOWN ALIGNED WITH BASE BUILDING STRUCTURE SHALL BE FLUSH AND SMOOTH WITH BASE BUILDING STRUCTURE UNLESS OTHERWISE NOTED.
   - G. UNLESS DIMENSIONED OTHERWISE, DEPTH OF FURRING ON COLUMNS AND OTHER ELEMENTS IS TO BE HELD TO THE MINIMUM THICKNESS REQUIRED TO CONCEAL MECHANICAL, PLUMBING OR ELECTRICAL COMPONENTS.
   - H. UNLESS OTHERWISE INDICATED, POSITION DOOR JAMBS 4" OFF THE FACE OF ADJACENT INTERSECTING PARTITIONS OR CENTER ON PARTITION. OUTLETS THAT OCCUR ON OPPOSITE SIDES OF THE SAME PARTITION ARE TO BE STAGGERED HORIZONTALLY A MINIMUM OF 12" TO MINIMIZE SOUND TRANSMISSION.
3. DEMOLITION, CUTTING, AND PATCHING
   - A. THE CONTRACTOR SHALL INSPECT THE SITE AND CALL ATTENTION TO ENVIRONMENTAL HAZARDS WITH LANDLORD. SAID HAZARDS ARE TO BE REMOVED AT THE LANDLORD'S EXPENSE. REMOVAL SHALL ADHERE TO THE ENVIRONMENTAL PROTECTION AGENCY'S GUIDELINES.
   - B. THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION, CUTTING AND PATCHING REQUIRED TO FACILITATE COMPLETION OF THE WORK.
   - C. PRIOR TO STARTING WORK, ERECT TEMPORARY BARRIERS AROUND THE PERIMETER OF THE PROJECT AND BASE BUILDING TOILET FACILITIES TO PREVENT THE SPREAD OF DUST AND OTHER CONTAMINANTS TO ADJACENT AREAS OF THE BUILDING. MAINTAIN DUST PROOF AND SOUND BARRIERS THROUGHOUT THE COURSE OF CONSTRUCTION OR UNTIL NO LONGER REQUIRED. REMOVE BARRIERS AND REPAIR ANY DAMAGE CAUSED BY THEIR INSTALLATION TO MATCH ADJACENT SURFACES.
   - D. UNLESS NOTED OTHERWISE, ALL DEMOLISHED DEBRIS, MATERIAL, EQUIPMENT AND FIXTURES BECOME THE PROPERTY OF THE CONTRACTOR WHO IS RESPONSIBLE FOR ITS SAFE REMOVAL FROM THE SITE. DISPOSAL OF DEMOLISHED MATERIAL SHALL BE IN ACCORDANCE WITH APPLICABLE RULES, REGULATIONS AND ORDINANCES OF AUTHORITIES HAVING JURISDICTION. COORDINATE WITH LANDLORD.
   - E. PATCH ALL EXISTING OR NEWLY DAMAGED AREAS TO MATCH ADJACENT SURFACES IN QUALITY,TEXTURE AND COLOR.
   - F. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL TRENCHING AND UNDER GROUNDWORK WITH SUBCONTRACTORS
4. GENERAL CONSTRUCTION
   - A. CONTRACTOR SHALL VERIFY ALL GRID LINE COORDINATES AND CHECK THEM AGAINST DIMENSIONS SHOWN ON PLANS AND DETAILS. ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCY DURING STAKING.
   - B. ALL LANDSCAPE MATERIALS DISPLACED OR DISTURBED AS A RESULT OF CONSTRUCTION SHALL BE REPLACED OR REPAIRED TO ORIGINAL CONDITION.
   - C. THE CONTRACTOR SHALL FIRMLY ANCHOR PARTITIONS PER JURISDICTION AND INDUSTRY STANDARDS AND USE METAL TRIM ACCESSORIES AT EXPOSED CORNERS, EDGES AND ENDS IN PLASTER AND DRYWALL PARTITIONS.
   - D. PROVIDE FIRE RETARDANT TREATED WOOD BLOCKING FOR ALL WALL MOUNTED PLUMBING FIXTURES, TOILET ACCESSORIES, CABINETS, AND TABLES.
   - E. ALL CONCEALED PLYWOOD, WOOD BLOCKING, AND WOOD STUD/JOIST FRAMING SHALL MEET FIRE RETARDANT TREATED REQUIREMENTS.
   - F. ALL MATERIALS USED IN UNFINISHED ATTIC SPACE SHALL BE NON-COMBUSTIBLE. ANY WOOD SHALL BE FIRE RETARDANT TREATED.
   - G. DO NOT PUNCH OR USE METAL DECK TO SUPPORT SUSPENDED CEILING. SUSPENDED METAL FRAMING-CEILING AND METAL STUD PARTITION FRAMING SHALL BE SUPPORTED FROM STRUCTURAL STEEL ROOF FRAME.
   - H. ALL ROOF PENETRATIONS SHALL BE CUT, FLASHED AND SEALED BY THE LANDLORD'S ROOFING CONTRACTOR IN ORDER TO MAINTAIN THE ROOF SYSTEM INTEGRITY AND WARRANTY.
   - I. THE CONTRACTOR SHALL PROVIDE ACCESS PANELS REQUIRED FOR MECHANICAL, ELECTRICAL AND PLUMBING INSTALLATIONS PER LOCAL BUILDING CODES. LOCATIONS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.
   - J. CEILING FRAMING IN THE FIELD SHALL BE SQUARE, LEVEL AND PERFECTLY ALIGNED WITH EACH OTHER AND WITH THE RECESSED LIGHT FIXTURES. ALL RECESSED FIXTURES SHALL BE SET FLUSH INTO CEILING.
   - K. NEW PIPE, CONDUIT AND DUCT PENETRATIONS OF FIRE RATED ASSEMBLIES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH AN UNDERWRITER'S LABORATORY TESTED DESIGN.
   - L. WIRING AND CONDUIT IS TO BE CONCEALED IN BOTH NEW AND EXISTING PARTITIONS WITH ALL OUTLETS, SWITCHES AND SIMILAR DEVICES MOUNTED IN RECESSED JUNCTION BOXES WITH FLUSH COVER PLATES. SURFACE MOUNTED CONDUIT, WIREMOLD, OUTLETS, ETC. WILL NOT BE PERMITTED UNLESS OTHERWISE NOTED.
   - M. VERIFY EXACT DIMENSIONS OF ALL OWNER SUPPLIED EQUIPMENT, FEATURES AND FIXTURES TO ASSURE A PROPER FIT WHERE EQUIPMENT, FEATURES AND FIXTURES ARE SHOWN BUILT-IN TO NEW MILLWORK, UNDER COUNTER AND BETWEEN NEW AND EXISTING PARTITIONS.
   - N. COMMUNICATION, DATA, SECURITY AND SIMILAR SYSTEMS WILL BE PROVIDED AND INSTALLED BY THE OWNER UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE OWNER AND PROVIDE CONDUIT, BOXES AND OTHER ROUGH-IN REQUIREMENTS TO FACILITATE FINAL WIRING INSTALLATION.
   - O. LOCKSETS SHALL BE "KEYED" IN ACCORDANCE WITH OWNER REQUIREMENTS. "KEYS" ARE TO BE DELIVERED TO OWNER PROPERLY TESTED. THE NUMBER OF MASTER AND PASS KEYS SHALL BE COORDINATED WITH LANDLORD.
   - P. PROVIDE STANDARD IDENTIFICATION PLATE WITH OWNER NAME AND SPACE DESIGNATION/ADDRESS AS SPECIFIED THROUGH A COMMON MANUFACTURER BY THE LANDLORD. IF NO LANDLORD STANDARD PROVIDED, PROVIDE A STANDARD 3" X 9" LAMINATED PLASTIC, DARK COOL GRAY COLORED FACE WITH WHITE LETTERING ROUTED INTO FACE. FASTENED TO OWNER REAR EXIT SERVICE DOOR ON THE ACCESS CORRIDOR FACE.
   - Q. PROVIDE WATER RESISTANT GYPSUM BOARD AT ALL TILE LOCATIONS, PLASTIC PANEL LOCATIONS, MECHANICAL ROOM WALLS, AND AS NOTED ON DRAWINGS.
   - R. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH LOCAL V.O.C. REGULATIONS FOR MATERIALS USED IN CONSTRUCTION.
   - S. SPACES BEING SURFACED SHALL BE CLOSED TO TRAFFIC AND OTHER WORK DURING THE LAYING OF FLOORING, STONE, WOOD, OR OTHER MATERIAL. FINISHED FLOORS SHALL BE COVERED AFTER INSTALLATION FOR PROTECTION.
5. FIRE / LIFE SAFETY
   - A. ALL REQUIRED PERMITS AND APPROVALS MUST BE OBTAINED FROM THE FIRE DEPARTMENT BEFORE BUILDINGS ARE OCCUPIED.
   - B. MAINTAIN THE FUNCTION AND INTEGRITY OF EXISTING FIRE, LIFE/SAFETY AND SECURITY SYSTEMS.
   - C. PROVIDE OCCUPANCY SIGNS CONFORMING TO APPLICABLE BUILDING CODE REQUIREMENTS.
   - D. PROVIDE ADDITIONAL EXIT SIGNS AND FIRE EXTINGUISHERS IN TYPE, NUMBER AND LOCATION AS DIRECTED BY THE FIRE DEPARTMENT FIELD INSPECTOR.
   - E. DURING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A WITHIN (75 FT.) FOOT TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING ON EACH FLOOR GENERAL CONTRACTOR WILL COORDINATE INSTALLATION OF CO & CO2 DETECTOR/ALARM SYSTEMS. PROVIDE POWER AND EQUIPMENT AS NEEDED/SPECIFIED.
6. REQUIRED APPROVALS AND SUBMITTALS
   - A. WHERE THE TERMS "OR EQUAL", "SIMILAR", OR OTHER GENERAL QUALIFYING TERMS ARE USED, IT SHALL BE UNDERSTOOD THAT REFERENCE IS MADE TO THE RULING AND JUDGMENT OF THE ARCHITECT AND MUST BE SUBMITTED FOR APPROVAL PRIOR TO PURCHASE OR USE.
   - B. THE CONTRACTOR SHALL HAVE (10) WORKING DAYS FROM AWARD OF THE CONTRACT TO SUBMIT SUBSTITUTIONS OF SPECIFIED PRODUCTS OR WORK FOR REVIEW BY ARCHITECT AND SHALL INCLUDE CUT SHEETS WITH SPECIFICATIONS AND REASONS FOR SUBSTITUTION. THE ARCHITECT SHALL RESPOND IN (10) WORKING DAYS FROM RECEIPT OF SUBMITTAL. NO SUBSTITUTIONS SHALL BE ACCEPTED AFTER THE INITIAL TIME LIMIT HAS EXPIRED.
   - C. THE CONTRACTOR SHALL REVIEW, SIGN, DATE AND SUBMIT A MINIMUM OF (3) SETS OF COMPLETE AND DETAILED SHOP DRAWINGS, FINISHES, FIXTURE AND EQUIPMENT CUT SHEETS TO ARCHITECT FOR REVIEW. THE ARCHITECT SHALL HAVE (10) WORKING DAYS TURNAROUND TIME FROM RECEIPT OF SUBMITTAL. ALL SHOP DRAWINGS AND CUT SHEETS SIGNED "REVIEWED" SHALL SUPERSEDE ORIGINAL DRAWINGS IN DESIGN APPEARANCE ONLY. CONTRACTORS SHALL ASSUME RESPONSIBILITY FOR ERRORS IN THEIR DRAWINGS.
   - D. IN THE EVENT THAT THE AFOREMENTIONED DRAWINGS, SPECIFICATIONS, ETC. ARE NOT SUBMITTED FOR REVIEW AND APPROVAL, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE REPLACEMENT, CORRECTION OR ACQUISITION OF PRODUCTS TO COMPLY WITH OWNER'S SPECIFICATION AND APPROVAL.
   - E. THE CONTRACTOR SHALL PROVIDE CHALK LINES ON THE SLAB OF PARTITIONS FOR APPROVAL PRIOR TO FRAMING AND SHALL NOTIFY ARCHITECT OF ANY DEVIATION FROM CONSTRUCTION DIMENSIONS OR CLEARANCES AS DESIGNATED ON THE DRAWINGS OR OF APPARENT CONSTRUCTION CONFLICTS.
   - F. UPON SUBSTANTIAL COMPLETION OF WORK, THE HVAC SYSTEM SHALL BE BALANCED BY A QUALIFIED ENGINEER AND A WRITTEN REPORT SHALL BE SUBMITTED TO THE OWNER.
   - G. UPON SUBMISSION OF THE "FINAL APPLICATION FOR PAYMENT", THE CONTRACTOR SHALL PROVIDE THE OWNER WITH (1) SET OF AS-BUILT DOCUMENTATION INCLUDING DRAWINGS, SPECIFICATIONS, ADDENDA, CHANGE ORDERS, PRODUCT DATA, EQUIPMENT WARRANTIES AND MANUALS, FINISH SAMPLES AND OTHER REQUIRED SUBMITTALS. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A WRITTEN WARRANTY COVERING ALL WORK PERFORMED UNDER THE CONTRACT. WARRANTY SHALL BE FOR A PERIOD OF ONE YEAR COMMENCING ON THE DATE OF SUBSTANTIAL COMPLETION AND SHALL BE INCLUDED WITH THIS SUBMITTAL.
   - H. THE CONTRACTOR SHALL SUPPLY LIEN WAIVERS RELATING TO ALL WORK WITH THE "FINAL APPLICATION FOR PAYMENT" TO BE REVIEWED FOR "FINAL CERTIFICATE OF PAYMENT".
7. CHANGES IN WORK
   - A. THE OWNER WITHOUT INVALIDATING THE CONTRACT, MAY ORDER EXTRA WORK OR MAKE CHANGES BY ALTERING, ADDING TO OR DEDUCTING FROM THE WORK – THE CONTRACT SUM BEING ADJUSTED ACCORDINGLY. SUCH WORK SHALL BE EXECUTED UNDER THE CONDITIONS OF THE ORIGINAL CONTRACT EXCEPT THAT ANY CLAIM FOR EXTENSIONS OF TIME CAUSED THEREBY SHALL BE INDICATED ON THE CHANGE ORDER.
   - B. CLAIMS FOR ADDITIONAL WORK WILL BE SUBMITTED IN WRITING FOR REVIEW BY ARCHITECT AND OWNER AND SHOULD INCLUDE A COMPLETE DESCRIPTION OF THE WORK, MATERIALS BEING USED, THE ROOM NUMBER OR AREA AFFECTED, AND THE AUTHORIZATION UNDER WHICH THE WORK IS BEING PERFORMED.
8. SITE CONSIDERATIONS
   - A. DEMOLITION WORK SHALL BE COORDINATED WITH THE LANDLORD TO MINIMIZE DISRUPTION AND INCONVENIENCE TO OTHER OWNERS IN OCCUPIED BUILDINGS. MAINTAIN SAFE MEANS OF ACCESS AND EGRESS TO OCCUPIED OWNER SPACES.
   - B. PROVIDE CONCRETE FLOOR SLAB THROUGHOUT "LEAVE-OUT" AREA – EXISTING COMPACTED SUB-GRADE @ 8" BELOW FINISHED FLOOR ELEVATION. CONCRETE SLAB SHALL BE 4" THICK CONCRETE ON 4" AGGREGATE BASE COURSE (A.B.C.) TO MATCH EXISTING FLOOR CONSTRUCTION.
   - C. MAINTAIN THE INTEGRITY OF RATED PARTITIONS AND OTHER FIRE RATED ASSEMBLIES. REPAIR OR REPLACE DAMAGED PORTIONS WITH NEW CONSTRUCTION TO MATCH EXISTING AND HAVE REPAIR WORK APPROVED BY THE BUILDING INSPECTOR.
   - D. THE GENERAL CONTRACTOR SHALL REVIEW THE OWNER'S SPACE WITH THE LANDLORD TO DETERMINE IF ANY ACCESS PANELS ARE LOCATED IN THE OWNER'S SPACE FOR THE LANDLORD'S AND/OR OTHER OWNER ELECTRICAL BOXES AND/OR VALVES. THE GENERAL CONTRACTOR SHALL PROMPTLY NOTIFY THE ARCHITECT AND THE OWNER OF ANY REQUIRED ACCESS PANEL LOCATIONS.
   - E. BUILDING MECHANICAL AND ELECTRICAL SERVICE SHUT DOWN REQUIRED FOR THIS WORK SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR A MINIMUM OF (72) HOURS IN ADVANCE OF THE SHUT DOWN. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM AUTHORITIES HAVING JURISDICTION PRIOR TO SHUT DOWN AND SHALL NOT OVERLY INCONVENIENCE BUILDING OCCUPANTS.
   - F. VERIFY EXISTING SPRINKLER DROP LOCATIONS. ADDITIONS, MODIFICATIONS OR RELOCATIONS OF THE EXISTING SPRINKLER SYSTEM ARE TO BE ALTERED IN TOTAL CONFORMANCE WITH LANDLORD'S CRITERIA AND SHALL BE SUBMITTED FOR PERMIT SEPARATELY. DRAWINGS SHALL BE SUBMITTED TO LANDLORD FOR REVIEW.
   - G. SPRINKLER HEADS AT STOREFRONT AND DISPLAY WINDOWS MUST BE FLUSH TYPE WITH COVER PLATES PAINTED TO MATCH THE ADJACENT CEILING COLOR. DINING AND KITCHEN MUST HAVE SEMI-RECESSED HEADS WITH ESCUTCHEON RINGS PAINTED TO MATCH THE ADJACENT CEILING COLOR.
   - H. IN BUILDINGS CONSTRUCTED WITH POST-TENSIONED CONCRETE, LOCATE P-T TENDONS BY X-RAY DETECTION PRIOR TO STARTING OF ANY CUTTING OR DRILLING. COORDINATE ALL SUCH ACTIVITIES WITH THE OWNER.
   - I. STOREFRONT MUST BE SELF SUPPORTING. ANY ATTACHMENT TO DEMISING WALL, NEUTRAL SOFFIT CONSTRUCTION, OR ROOF STRUCTURE SHALL BE FOR LATERAL STABILITY ONLY. DO NOT SUPPORT FROM LANDLORD'S SOFFIT, ROOF FRAME OR COLUMNS.
   - J. PROVIDE NON-COMBUSTIBLE BEAM TO SUPPORT STOREFRONT CONSTRUCTION IF NECESSARY. DO NOT SUPPORT FROM LANDLORD'S SOFFIT, ROOF FRAME OR COLUMNS.
   - K. WOOD CASEWORK SHALL CONFORM TO ARCHITECTURAL WOODWORK INSTITUTE (AWI) "PREMIUM GRADE" QUALITY STANDARDS AND SHALL BE "FLUSH OVERLAY" CONSTRUCTION UNLESS DETAILED OTHERWISE ON THE DRAWINGS.
   - L. PLASTIC LAMINATE CASEWORK SHALL CONFORM TO ARCHITECTURAL WOODWORK INSTITUTE "CUSTOM GRADE" QUALITY STANDARDS AND SHALL BE "FLUSH OVERLAY" CONSTRUCTION UNLESS DETAILED OTHERWISE ON THE DRAWINGS.
   - M. CASEWORK SHALL BE SCRIBED TO WALL OR CEILING. CONTRACTOR SHALL COORDINATE WITH OTHER INVOLVED TRADES.

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CONSULTANT:

DRAWING SEAL:

LICENSED ARCHITECT
ROBERT J. SARGENTI
No. C-31054
07/31/27
Renewal Date
STATE OF CALIFORNIA

06/23/26

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS
3	06/08/26	DEVELOPMENT COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 449 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: SARG. REVIEWED BY: TMAD

TITLE:

GENERAL NOTES

SHEET NUMBER:

G002

GENERAL DESIGN CRITERIA (CURRENT EDITIONS):
DESIGN CODES - ALL CODES LATEST EDITION OR AS INDICATED ON THE DRAWINGS. AMERICAN INSTITUTE OF STEEL CONSTRUCTION AMERICAN CONCRETE INSTITUTE CRSI MANUAL OF STANDARD PRACTICE (FOR PLACING AND DETAILING OF ALL REINFORCING) AMERICAN WELDING SOCIETY STANDARDS FOR WELDING AS MODIFIED BY A.I.S.C. SPEC. INTERNATIONAL BUILDING CODE.

COORDINATION - MECHANICAL AND ELECTRICAL ITEMS RECESSES, DEPRESSIONS, DIMENSIONS, ELEVATIONS, OPENINGS, EQUIPMENT SUPPORTS, AND DETAILS SHALL BE VERIFIED BY REFERENCE TO MECHANICAL DRAWINGS. MECHANICAL OR ELECTRICAL OPENINGS, REQUIRED BUT NOT SHOWN, MUST BE PLACED BETWEEN STRUCTURAL MEMBERS. IF STRUCTURAL DRAWINGS ARE PROVIDED, THEY SHALL BE REVIEWED (AND COORDINATED) MECHANICAL AND ELECTRICAL DRAWINGS.

MASONRY LINTELS - ALL OPENINGS IN CONCRETE BLOCK WALLS NOT SPECIFICALLY INDICATED TO HAVE OTHER TYPES OF LINTELS SHALL HAVE REINFORCED BLOCK LINTELS AS FOLLOWS UNLESS NOTED OTHERWISE ON STRUCTURAL DRAWINGS: UP TO 8'-0" SPAN TO BE 8" DEEP. FROM 8-0" TO 12'-0" TO BE 16" DEEP. 4" TO 6" WIDE UNITS TO BE REINFORCED WITH 1-#5 BTM. 8", 10" AND 12" WIDE UNITS TO BE REINFORCED WITH 2-#5 BTM. WHERE ONE LINTEL BEAM IS CONTINUOUS OVER TWO OPENINGS, WITH INTERMEDIATE SUPPORT, USE #5 TOP AND #5 BOTTOM. EXTEND ALL LINTELS A MINIMUM OF 8" BEYOND OPENING AND FILL (2) BLOCK COURSES BELOW LINTEL BEARING WITH MORTAR. ALL BLOCK LINTELS SHALL BE FILLED WITH 3,000 P.S.I. CONCRETE NOTE:STRUCTURAL DRAWINGS AND NOTES SUPERSEDE THE ABOVE.

LINTELS GENERAL - EXTEND ALL LINTELS A MINIMUM OF 8" BEYOND EACH EDGE OF OPENING. WHERE LINTELS BEARS ON CONCRETE BLOCK, FILL TWO COURSES OF BLOCK MIN. WITH CONCRETE. IF OPENING OCCURS NEXT TO CONCRETE COLUMN BOLT 3-1/2 X 5/16 ANGLE TO COL. WITH TWO 1/2" DIA. X 6' EXPANSION BOLTS AND REST LINTEL ON ANGLE. IF OPENING OCCURS NEXT TO STEEL COLUMN WELD 3-1/2 X 3-1/2 X 5/16 ANGLE TO COLUMN AND REST LINTEL ON ANGLE. NOTE: STRUCTURAL DRAWINGS AND NOTES SUPERSEDE THE ABOVE.

DIMENSIONAL LUMBER - DIMENSIONAL LUMBER SHALL BE NO. 2 DOUGLAS FIR = 1250 OR EQUAL FOR JOISTS, BEAMS, HEADERS, ETC. UNLESS NOTED OTHERWISE. ALL MEMBER SIZES GIVEN ON DRAWINGS ARE NOMINAL DIMENSIONS. WOOD LINTELS AND HEADERS SHALL HAVE A FULL 3" LENGTH OF BEARING AT EACH END. NOTE: STRUCTURAL DRAWINGS AND NOTES SUPERSEDE THE ABOVE.

EXISTING CONDITIONS - VERIFY ALL DIMENSIONS, ELEVATIONS, AND DETAILS OF EXISTING STRUCTURE WHERE THEY AFFECT THIS CONSTRUCTION. NOTIFY FRANCHISEE IF THERE ARE ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS.

TERIYAKI MADNESS PROTOTYPE DRAWING SPECIFICATIONS:

SHORT FORM GUIDE SPECIFICATIONS - SECTION 00100
COMMENT: THE FOLLOWING SHORT FORM SPECIFICATIONS ARE FOR GUIDANCE ONLY AND WILL NEED FURTHER EDITING TO SUIT SPECIFIC PROJECT REQUIREMENTS.

DIVISION 1 - GENERAL REQUIREMENTS
COMMENT: DIVISION 1 SPECIFICATION SECTIONS WILL BE PROVIDED BY TMAD REPRESENTATIVE.

SELECTIVE DEMOLITION - SECTION 02070
PART 1 - GENERAL
1. SECTION INCLUDES
   a. REMOVAL AND LEGAL DISPOSAL OF EXISTING INTERIOR AND EXTERIOR CONSTRUCTION ITEMS SPECIFIED TO BE REMOVED AND AS INDICATED ON THE DRAWINGS. THE WORK INCLUDES, BUT IS NOT LIMITED TO, REMOVAL OF THE FOLLOWING ITEMS, INCORPORATION OF THESE ITEMS INTO THE PROJECT ARE NOT PERMITTED:
      - EXISTING COUNTERS, CABINETS AND FIXTURES.
      - INTERIOR PARTITIONS, DOORS AND WINDOWS.
      - FLOOR FINISHES AND BASE, AND CEILING MATERIALS, INCLUDING SUSPENSION WIRES AND FRAMING.
      - HVAC, PLUMBING AND ELECTRICAL SYSTEMS, INCLUDING CONDUITS AND CONTROL WIRING.
2. PROJECT CONDITIONS
   a. OWNER ASSUMES NO RESPONSIBILITY FOR THE ACTUAL CONDITION OF ITEMS OR STRUCTURES TO BE DEMOLISHED. THE EXISTING STRUCTURE IS UNOCCUPIED.
3. ASBESTOS INSPECTION & REPORT
   a. IF REQUIRED BY THE ENVIRONMENTAL PROTECTION AGENCY'S "NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS" (NESHAP), PROVIDE THE SERVICES OF AN INSPECTOR TO EVALUATE THE PROJECT SITE FOR THE PRESENCE OF REGULATED ASBESTOS CONTAINING MATERIALS (RACM'S). THE INSPECTOR SHALL BE LAWFULLY QUALIFIED/CERTIFIED TO PERFORM SUCH INSPECTIONS BY APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. PROVIDE A MINIMUM OF TEN (10) WORKING DAYS NOTIFICATION TO THE APPROPRIATE OFFICE OF THE EPA'S ASBESTOS HAZARD MANAGEMENT DEPARTMENT, WHETHER RACM'S ARE FOUND TO EXIST OR NOT, UNLESS OTHERWISE INDICATED, DEMOLITION OR ABATEMENT OF RACM'S WILL NOT BE INCLUDED IN THE SCOPE OF WORK.

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION
1. EXAMINATION
   a. INSPECT AREAS IN WHICH WORK WILL BE PERFORMED PRIOR TO COMMENCEMENT OF DEMOLITION WORK.
   b. LOCATE, IDENTIFY, STUB-OFF, AND DISCONNECT EXISTING UTILITY AND SERVICE LINES THAT ARE NOT TO REMAIN. PROVIDE BY-PASS CONNECTIONS AS REQUIRED TO MAINTAIN CONTINUITY OF SERVICE TO OTHER AREAS OF THE BUILDING, IF NECESSARY.
2. DEMOLITION
   a. PERFORM DEMOLITION WORK IN A SYSTEMATIC MANNER. USE SUCH METHODS AS REQUIRED TO COMPLETE THE WORK REQUIRED IN ACCORDANCE WITH REQUIREMENTS OF GOVERNING REGULATIONS.
   b. IF UNANTICIPATED UTILITIES, STRUCTURAL ELEMENTS, OR HAZARDOUS MATERIALS ARE ENCOUNTERED, INVESTIGATE AND MEASURE BOTH NATURE AND EXTENT OF THE CONFLICT. SUBMIT REPORT TO THE OWNER IN WRITTEN, ACCURATE DETAIL. PENDING RECEIPT OF DIRECTIVE FROM THE OWNER, REARRANGE SELECTIVE DEMOLITION SCHEDULE AS NECESSARY TO CONTINUE OVERALL JOB PROGRESS WITHOUT DELAY.
   c. EXISTING RESILIENT FLOOR COVERINGS: COMPLY WITH "RECOMMENDED WORK PRACTICES FOR THE REMOVAL OF RESILIENT FLOOR COVERINGS", AS PUBLISHED BY THE RESILIENT FLOOR COVERING INSTITUTE. EXISTING RESILIENT FLOOR COVERING MATERIALS MAY CONTAIN ASBESTOS FIBERS THAT ARE NOT READILY IDENTIFIABLE. DO NOT SAND, DRY SCRAPE, BEAD BLAST OR MECHANICALLY PULVERIZE EXISTING RESILIENT FLOORING, BACKING, OR LINING FELTS.
3. PROTECTION
   a. PROVIDE TEMPORARY BARRICADES AND OTHER FORMS OF PROTECTION AS REQUIRED TO PROTECT THE OWNER'S PERSONNEL AND THE PUBLIC FROM INJURY DUE TO DEMOLITION WORK.
4. DISPOSAL
   a. REMOVE DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS FROM BUILDING SITE. TRANSPORT AND DISPOSE OF MATERIALS OFF-SITE IN A LEGAL MANNER.
5. CLEANING
   a. UPON COMPLETION OF DEMOLITION WORK, REMOVE TOOLS, EQUIPMENT AND DEMOLISHED MATERIALS FROM THE SITE.

END OF SECTION 02070

CONCRETE WORK - SECTION 03300
PART 1 - GENERAL
1. SECTION INCLUDES
   a. PROVIDE CAST-IN-PLACE CONCRETE FOR PATCHING OF EXISTING FLOOR SLABS, COMPLETE, IN PLACE, AS SPECIFIED HEREIN, AND AS REQUIRED FOR COMPLETE AND PROPER INSTALLATION.

PART 2 – PRODUCTS
1. MATERIALS
   a. REINFORCING BARS: ASTM A-6L5, GRADE 60, DEFORMED.
   b. WELDED WIRE FABRIC: ASTM A-L85, WELDED STEEL.
   c. PORTLAND CEMENT: ASTM C-150, TYPE I, LOW ALKALI.
   d. NORMAL WEIGHT AGGREGATES: ASTM C-33, CRUSHED LIMESTONE, GRANITE OR EQUIVALENT MATERIAL FROM A SINGLE SOURCE. MAXIMUM AGGREGATE SIZES SHALL BE NOT LARGER THAN ONE-FIFTH OF THE NARROWEST DIMENSION BETWEEN SIDES OF FORMS, ONE-THIRD OF THE DEPTH OF SLABS, OR THREE-FOURTHS OF THE MINIMUM CLEAR SPACING BETWEEN INDIVIDUAL REINFORCING BARS OR BUNDLES OF BARS.
   e. FINE AGGREGATES: NATURAL WASHED HARD SAND VARYING FROM FINE TO PARTICLES PASSING A 3/8" SCREEN, OF WHICH AT LEAST 12% SHALL PASS A 50 -MESH SCREEN.
   f. WATER: CLEAN, POTABLE, AND FREE FROM FOREIGN MATTER.
   g. MOISTURE BARRIER: 8 MILS THICK POLYETHYLENE SHEET.
2. DESIGN MIXES
   a. PROVIDE NORMAL WEIGHT CONCRETE FOR INTERIOR FLOOR SLAB WITH 4,000 PSI @ 28 DAY COMPRESSIVE STRENGTH; W/C RATIO: 0.44 MAXIMUM.

PART 3 – EXECUTION
1. INSTALLATION
   a. PLACE REINFORCEMENT TO OBTAIN THE MINIMUM COVERAGE FOR CONCRETE PROTECTION. ARRANGE, SPACE AND SECURE TIE BARS AND BAR SUPPORTS TOGETHER WITH 16 GAUGE WIRE TO HOLD REINFORCEMENT ACCURATELY IN POSITION DURING CONCRETE PLACEMENT OPERATIONS. SET WIRE TIES SO TWISTED ENDS ARE AWAY FROM EXPOSED SURFACES.
   b. INSTALL WELDED WIRE FABRIC IN AS LONG LENGTHS AS PRACTICABLE. LAP ADJOINING PIECES AT LEAST ONE FULL MESH AND LACE SPLICES WITH WIRE. OFFSET END LAPS IN ADJACENT WIDTHS TO PREVENT CONTINUOUS LAPS IN EITHER DIRECTION.
   c. COMPLY WITH ACI 304 "RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE", AND AS HEREIN SPECIFIED.
   d. DO NOT USE CONCRETE WHICH BECOMES NON-PLASTIC AND UNWORKABLE, OR DOES NOT MEET THE REQUIRED QUALITY CONTROL LIMITS, OR WHICH HAS BEEN CONTAMINATED BY FOREIGN MATERIALS. REMOVE REJECTED CONCRETE FROM THE SITE AND DISPOSE OF IT IN A LOCATION APPROVED BY LOCAL AUTHORITIES.
   e. CONSOLIDATE PLACED CONCRETE BY MECHANICAL VIBRATING EQUIPMENT, HAND-SPADING, RODDING OR TAMPING, IN ACCORDANCE WITH ACI RECOMMENDED PRACTICES.
   f. TROWEL FINISH: APPLY TROWEL FINISH TO SLAB SURFACES THAT ARE TO BE EXPOSED TO VIEW AND TO SLAB SURFACES THAT ARE TO BE COVERED WITH RESILIENT FLOORING, CARPET, CERAMIC OR QUARRY TILE, OR OTHER THIN-FILM FINISH COATING SYSTEM.
   g. FILL-IN HOLES AND OPENINGS LEFT IN CONCRETE WORK FOR PASSAGE OF WORK BY OTHER TRADES IS IN PLACE. MIX, PLACE AND CURE CONCRETE AS HEREIN SPECIFIED, TO BLEND WITH IN-PLACE CONSTRUCTION.
   h. CURBS: PROVIDE MONOLITHIC FINISH TO INTERIOR CURBS BY STRIPPING FORMS WHILE CONCRETE IS STILL GREEN, AND STEEL-TROWELING SURFACES TO A HARD, DENSE FINISH WITH CORNERS, INTERSECTIONS AND TERMINATIONS SLIGHTLY ROUNDED.
2. PROTECTION
   a. PROTECT THE FRESHLY PLACED CONCRETE FROM PREMATURE DRYING FROM WIND, EXCESSIVE COLD AND HOT TEMPERATURE, AND MAINTAIN FOR A PERIOD OF TIME NECESSARY FOR HYDRATION OF CEMENT AND PROPER HARDENING.

END OF SECTION 03300

METAL FABRICATIONS SECTION 05500

PART 1 - GENERAL
1. SECTION INCLUDES
   a. PROVIDE ITEMS OF STEEL SHAPES INCLUDING, BUT NOT NECESSARILY LIMITED TO ROUGH HARDWARE, LOOSE STEEL LINTELS FOR NEW MASONRY OPENINGS (WHEN APPLICABLE) STEEL FRAMING AND SUPPORTS, AND MISCELLANEOUS STEEL TRIM.
2. EXISTING CONDITIONS
   a. FIELD MEASUREMENTS: CHECK ACTUAL LOCATIONS OF WALLS AND OTHER CONSTRUCTION TO WHICH METAL FABRICATIONS MUST FIT, BY ACCURATE FIELD MEASUREMENTS BEFORE FABRICATION; SHOW RECORDED MEASUREMENTS ON FINAL SHOP DRAWINGS. COORDINATE FABRICATION SCHEDULE WITH CONSTRUCTION PROGRESS TO AVOID DELAY OF WORK.

PART 2 - PRODUCTS
1. MATERIALS
   a. GENERAL: PROVIDE METAL FORMS AND TYPES THAT COMPLY WITH REQUIREMENTS OF REFERENCED STANDARDS AND THAT ARE FREE FROM SURFACE BLEMISHES WHERE EXPOSED TO VIEW IN THE FINISHED UNIT. EXPOSED-TO-VIEW SURFACES EXHIBITING PITTING, SEAM MARKS, ROLLER MARKS, STAINS, DISCOLORATIONS, OR OTHER IMPERFECTIONS ON FINISHED UNITS ARE NOT ACCEPTABLE.
   b. COLD-FORMED STEEL TUBING: ASTM A 500, GRADE A, UNLESS OTHERWISE INDICATED
   c. HOT-FORMED STEEL TUBING: ASTM A 501.
   d. STEEL PLATES, SHAPES AND BARS: ASTM A-36.
   e. WELDING ELECTRODES AND FILLER METAL: PROVIDE TYPE AND ALLOY OF FILLER METAL AND ELECTRODES AS RECOMMENDED BY PRODUCER OF METAL TO BE WELDED AND AS REQUIRED FOR COLOR MATCH, STRENGTH, AND COMPATIBILITY IN FABRICATED ITEMS.
   f. NONSHRINK NONMETALLIC GROUT: PRE-MIXED, FACTORY-PACKAGED, NONSTAINING, NONCORROSIVE, NONGASEOUS GROUT COMPLYING WITH CE CRD C621. PROVIDE GROUT SPECIFICALLY RECOMMENDED BY MANUFACTURER FOR INTERIOR AND EXTERIOR APPLICATIONS OF TYPE SPECIFIED IN THIS SECTION.
   g. SHOP PRIMER PAINT FOR STEEL AND IRON: MANUFACTURER'S STANDARD RUST-INHIBITING PRIMER; COMPATIBLE WITH FINISH COATS OF PAINT. COORDINATE SELECTION OF METAL PRIMER WITH FINISH PAINT REQUIREMENTS SPECIFIED IN DIVISION 9.
   h. FASTENERS: SHALL BE ZINC-COATED FASTENERS FOR EXTERIOR USE OR WHEN BUILT INTO EXTERIOR WALLS AS FOLLOWS:
      - BOLTS AND NUTS: REGULAR HEXAGON HEAD TYPE, ASTM A-307, GRADE A.
      - LAG BOLTS: SQUARE HEAT TYPE, FS FF-B-561.
      - MACHINE SCREWS: CADMIUM PLATED STEEL, FS FF-S-92.
      - PLAIN WASHERS: ROUND CARBON STEEL FS FF-W-92.
      - TOGGLE BOLTS: TUMBLE WING TYPE, FS FF-B-588, TYPE, CLASS AND STYLE AS REQUIRED.
      - LOCK WASHERS: HELICAL SPRING TYPE CARBON STEEL, FS FF--W-84.
      - DRILLED-IN EXPANSION ANCHORS: EXPANSION ANCHORS COMPLYING WITH FS FF-S-325, GROUP VIII (ANCHORS, EXPANSION, [NON-DRILLING]), TYPE I (INTERNALLY THREADED TUBULAR EXPANSION ANCHOR); AND MACHINE BOLTS COMPLYING WITH FS FF-B-575, GRADE 5.
2. FABRICATION
   a. GENERAL: USE MATERIALS OF SIZE AND THICKNESS INDICATED OR AS REQUIRED TO PRODUCE STRENGTH AND DURABILITY IN FINISHED PRODUCT FOR USE INTENDED. PRE ASSEMBLE ALL ITEMS POSSIBLE IN THE SHOP TO MINIMIZE FIELD SPLICING AND ASSEMBLY. DISASSEMBLE UNITS ONLY AS NECESSARY FOR SHIPMENT AND HANDLING LIMITATIONS. DISASSEMBLED ITEMS SHALL BE CLEARLY MARKED FOR REASSEMBLY.
   b. WELD CORNERS AND SEAMS CONTINUOUSLY, COMPLYING WITH AWS RECOMMENDATIONS. AT EXPOSED CONNECTIONS, GRIND SMOOTH EXPOSED WELDS AND FLUSH TO MATCH AND BLEND WITH ADJOINING SURFACES. FORM EXPOSED CONNECTIONS WITH HAIRLINE JOINTS, FLUSH AND SMOOTH, USING CONCEALED FASTENERS WHEREVER POSSIBLE. USE EXPOSED FASTENERS OF TYPE SHOWN OR, IF NOT SHOWN, PHILLIPS FLAT-HEADED (COUNTERSUNK) SCREWS OR BOLTS.
   c. PROVIDE CONCEALED FASTENERS FOR INTERCONNECTION OF HANDRAIL AND RAILING COMPONENTS AND FOR THEIR ATTACHMENT TO OTHER WORK EXCEPT WHERE EXPOSED FASTENERS ARE UNAVOIDABLE OR ARE THE STANDARD FASTENING METHOD FOR HANDRAIL AND RAILING SYSTEM INDICATED.
   d. PROVIDE FOR ANCHORAGE OF TYPE SHOWN, COORDINATED WITH SUPPORTING STRUCTURE. FABRICATE AND SPACE ANCHORING DEVICES TO PROVIDE ADEQUATE SUPPORT FOR INTENDED USE.
   e. SHOP PAINTING: SHOP PAINT MISCELLANEOUS METAL WORK, EXCEPT MEMBERS OR PORTIONS OF MEMBERS TO BE EMBEDDED IN CONCRETE AND GALVANIZED SURFACES UNLESS OTHERWISE NOTED. REMOVE RUST, SCALE AND OTHER DELETERIOUS MATERIALS BEFORE APPLYING SHOP COAT, CLEAN OFF HEAVY RUST AND LOOSE MILL SCALE IN ACCORDANCE WITH SSPC SP-3 "POWER TOOL CLEANING". REMOVE OIL, GREASE AND SIMILAR CONTAMINANTS IN ACCORDANCE WITH SSPC SP-1 "SOLVENT CLEANING".
   f. ROUGH HARDWARE: FURNISH BENT OR OTHERWISE CUSTOM FABRICATED BOLTS, PLATES, ANCHORS, HANGERS, DOWELS AND OTHER MISCELLANEOUS STEEL AND IRON SHAPES AS REQUIRED FOR FRAMING, SUPPORTING OR ANCHORING.
   g. MISCELLANEOUS STEEL TRIM: PROVIDE SHAPES AND SIZES INDICATED FOR PROFILES SHOWN. UNLESS OTHERWISE INDICATED, FABRICATE UNITS FROM STRUCTURAL STEEL SHAPES, PLATES, AND STEEL BARS, WITH CONTINUOUSLY WELDED JOINTS AND SMOOTH EXPOSED EDGES. USE CONCEALED FIELD SPLICES WHEREVER POSSIBLE. PROVIDE CUTOUTS, FITTINGS, AND ANCHORAGES AS REQUIRED FOR COORDINATION OF ASSEMBLY AND INSTALLATION WITH OTHER WORK. GALVANIZE MISCELLANEOUS FRAMING AND SUPPORTS AT EXTERIOR LOCATIONS, AND AS OTHERWISE INDICATED.

PART 3 – EXECUTION
1. PROTECTION
   a. PROTECT FINISHES OF METALWORK DURING CONSTRUCTION PERIOD BY USE OF TEMPORARY PROTECTIVE COVERINGS. REMOVE PROTECTIVE COVERING AT TIME OF SUBSTANTIAL COMPLETION. RESTORE FINISHES DAMAGED DURING INSTALLATION AND CONSTRUCTION PERIOD SO THAT NO EVIDENCE REMAINS OF CORRECTION WORK. RETURN ITEMS THAT CANNOT BE REFINISHED IN THE FIELD TO THE SHOP; MAKE REQUIRED ALTERATIONS AND REFINISH ENTIRE UNIT OR PROVIDE NEW UNITS.

END OF SECTION 05500

ROUGH CARPENTRY - SECTION 06100
PART 1 - GENERAL
1. SECTION INCLUDES
   a. PROVIDE WOOD NAILERS, BLOCKING, BACKING, AND PLYWOOD REQUIRED FOR COMPLETION OF THE WORK, WHICH IS GENERALLY NOT EXPOSED, WHERE NOTED ON THE DRAWINGS, AND AS SPECIFIED NOTE THAT IN NON-COMBUSTIBLE BUILDINGS, ALL CONCEALED WOOD BLOCKING MUST BE FIRE-RETARDANT TREATED.
2. DELIVERY, STORAGE & HANDLING
   a. KEEP MATERIALS UNDER COVER AND DRY. PROTECT AGAINST EXPOSURE TO WEATHER AND CONTACT WITH DAMP OR WET SURFACES. STACK TO PROVIDE FOR AIR CIRCULATION WITHIN AND AROUND MATERIALS, AND UNDER TEMPORARY COVERINGS.

PART 2 - PRODUCTS
1. MATERIALS
   a. LUMBER: COMPLY WITH PS 20 OF "AMERICAN SOFTWOOD LUMBER STANDARD" AND WITH APPLICABLE GRADING RULES OF INSPECTION AGENCIES CERTIFIED BY THE ALSC BOARD OF REVIEW. PROVIDE DRESSED LUMBER, S4S UNLESS OTHERWISE NOTED, SEASONED WITH 19% MOISTURE CONTENT FOR SIZES 2" OR LESS. FOR LIGHT FRAMING, PROVIDE CONSTRUCTION GRADE OR BETTER, OF ANY SPECIES.
   b. WALL BLOCKING OR BACKING: MINIMUM 2 X 6 FIRE-RETARDANT TREATED LUMBER BETWEEN PARTITION STUDS, OR STUD FACE APPLIED LAYER OF 5/8" THICK FIRE-RETARDANT TREATED APA C-D PLUGGED PLYWOOD CONCEALED BEHIND FACE LAYER OF GYPSUM BOARD OR WALL PANELING, AS INDICATED. PROVIDE WHERE INDICATED IN THE DRAWINGS AND WHERE REQUIRED FOR ANCHORAGE SUPPORT AT WALL MOUNTED SHELVES, ACCESSORIES, GRAB BARS, WALL MOUNTED HAND SINKS, AND OTHER SIMILAR LOCATIONS.
   c. PLYWOOD BACKING PANELS: FOR MOUNTING ELECTRICAL, SECURITY, OR TELEPHONE EQUIPMENT, PROVIDE FIRE-RETARDANT TREATED PLYWOOD, APA C-D PLUGGED IN WITH EXTERIOR GLUE, 3/4" THICK.
   d. FASTENERS AND ANCHORS: PROVIDE SIZE, TYPE MATERIAL AND FINISH AS RECOMMENDED BY APPLICABLE STANDARDS. WHERE ROUGH CARPENTRY WORK IS EXPOSED TO WEATHER OR IS IN GROUND CONTACT, PROVIDE FASTENERS AND ANCHORAGES WITH A HOT-DIP ZINC COATING MEETING ASTM A-153.
   e. PROVIDE HOT-DIP ZINC COATING (ASTM A 153) FASTENERS AND ANCHORAGES WHERE ROUGH CARPENTRY WORK IS EXPOSED TO WEATHER, IN GROUND CONTACT, OR IN AN AREA OF HIGH RELATIVE HUMIDITY.
   f. FIRE-RETARDANT TREATMENT SHALL PROVIDE A FLAME SPREAD RATING OF LESS THAN 25. PROVIDE FIRE-RETARDANT LUMBER GRADE STAMPED BY MANUFACTURER, WHERE REQUIRED.

PART 3 - EXECUTION
1. EXAMINATION
   a. DISCARD UNITS OF MATERIAL WITH DEFECTS WHICH MIGHT IMPAIR QUALITY OF WORK, AND UNITS WHICH ARE TOO SMALL TO USE IN FABRICATING WORK WITH MINIMUM JOINTS OR OPTIMUM JOINT ARRANGEMENT.
2. INSTALLATION
   a. SET ROUGH CARPENTRY WORK ACCURATELY TO REQUIRED LEVELS AND LINES, WITH MEMBERS PLUMB AND TRUE AND ACCURATELY CUT AND FITTED.
   b. SECURELY ATTACH CARPENTRY WORK TO SUBSTRATE BY ANCHORING AND FASTENING AS REQUIRED.
   c. USE COMMON WIRE NAILS, EXCEPT AS OTHERWISE INDICATED. USE FINISHING NAILS FOR FINISH SELECT FASTENERS OF SIZE THAT WILL NOT PENETRATE MEMBERS WHERE OPPOSITE SIDE WILL BE EXPOSED TO VIEW OR WILL RECEIVE FINISH MATERIALS. MAKE TIGHT CONNECTIONS BETWEEN MEMBERS. INSTALL FASTENERS WITHOUT SPLITTING OF WOOD, PRE-DRILL AS REQUIRED.

END OF SECTION 06100

FINISH CARPENTRY - SECTION 06200
PART 1 - GENERAL
1. SECTION INCLUDES
   a. CHAIR RAIL TRIM MOLDING, PICTURE RAIL MOLDING, WHERE NOTED ON THE DRAWINGS AND AS SPECIFIED HEREIN.
2. QUALITY ASSURANCE
   a. QUALITY STANDARDS: COMPLY WITH "CUSTOM GRADE" REQUIREMENTS OF APPLICABLE PROVISIONS OF THE ARCHITECTURAL WOODWORK INSTITUTE (AWI) "QUALITY STANDARDS".
3. DELIVERY, STORAGE & HANDLING
   a. DO NOT DELIVER FINISH CARPENTRY MATERIALS UNTIL PAINTING, WET WORK, GRINDING AND SIMILAR OPERATIONS WHICH COULD DAMAGE, SOIL OR DETERIORATE WOODWORK HAVE BEEN COMPLETED IN INSTALLATION AREAS.
4. SITE CONDITIONS
   a. INSTALLER SHALL ADVISE CONTRACTOR OF TEMPERATURE AND HUMIDITY REQUIREMENTS FOR FINISH CARPENTRY INSTALLATION AREAS. DO NOT INSTALL FINISH CARPENTRY UNTIL REQUIRED TEMPERATURE AND RELATIVE HUMIDITY CONDITIONS HAVE BEEN STABILIZED AND WILL BE MAINTAINED IN INSTALLATION AREAS.

PART 2 - PRODUCTS
1. MATERIALS
   a. WOOD TRIM: MAPLE OR BIRCH - 3/4" THICK.
   b. FASTENERS AND ANCHORAGES: PROVIDE NAILS (MEETING FS FF-N-105). SCREWS (MEETING FS FF-S-111) AND OTHER ANCHORING DEVICES OF THE TYPE, SIZE, MATERIAL, AND FINISH REQUIRED FOR APPLICATION INDICATED TO PROVIDE SECURE ATTACHMENT, CONCEALED WHERE POSSIBLE, AND COMPLYING WITH APPLICABLE QUALITY STANDARDS.
   c. CONDITION WOOD MATERIALS TO AVERAGE PREVAILING HUMIDITY CONDITIONS IN INSTALLATION AREAS PRIOR TO INSTALLATION.

PART 3 - EXECUTION
1. EXAMINATION
   a. DISCARD UNITS OF MATERIAL WHICH ARE UNSOUND, WARPED, BOWED, TWISTED, IMPROPERLY TREATED, NOT ADEQUATELY SEASONED OR TOO SMALL TO FABRICATE WORK WITH MINIMUM OF JOINTS OR OPTIMUM JOINTING ARRANGEMENTS, OR WHICH ARE OF DEFECTIVE MANUFACTURER WITH RESPECT TO SURFACES, SIZES OR PATTERNS.
2. PREPARATION
   a. BACKPRIME LUMBER WITH A SINGLE SEALER COAT OF LACQUER OR VARNISH, COMPLYING WITH APPLICABLE FINISHING REQUIREMENTS IN DIVISION - 9 SECTIONS OF THESE SPECIFICATIONS FOR PRIMERS AND APPLICATION.
3. INSTALLATION
   a. INSTALL THE WORK PLUMB, LEVEL, TRUE AND STRAIGHT WITH NO DISTORTIONS. SHIM AS REQUIRED USING CONCEALED SHIMS. INSTALL TO A TOLERANCE OF 1/8" IN 8'-0" FOR PLUMB AND LEVEL, AND WITH 1/16" MAXIMUM OFFSET IN FLUSH ADJOINING SURFACES AND 1/8" MAXIMUM OFFSETS IN REVEALED ADJOINING SURFACES.
   b. SCRIBE AND CUT TO FIT ADJOINING WORK AND REFINISH CUT SURFACES OR REPAIR DAMAGED FINISH AT CUTS.
   c. ANCHOR TO BLOCKING OR DIRECTLY TO SUBSTRATE WITH COUNTERSUNK, CONCEALED FASTENERS AND BLIND NAILING WHERE POSSIBLE.
   d. ANCHOR TO METAL STUDS (WHERE BLOCKING DOES NOT EXIST) USING ADHESIVE AND PRE- DRILLED COUNTERSUNK TRIM-HEAD SHEET-METAL SCREWS. FILL RECESS WITH WOOD PUTTY TO MATCH SURFACE FINISH OF WOOD.
   e. INSTALL STANDING AND RUNNING TRIM WITH MINIMUM NUMBER OF JOINTS POSSIBLE, USING FULL-LENGTH PIECES TO THE GREATEST EXTENT POSSIBLE. STAGGER JOINTS IN ADJACENT AND RELATED MEMBERS. COPE AT RETURNS, MITER AT CORNERS, AND USE SCARF JOINTS FOR END-TO-END JOINTS. TO PROVIDE TIGHT FITTING JOINTS WITH FULL SURFACE CONTACT THROUGHOUT LENGTH OF JOINT.
4. REPAIR
   a. REPAIR DAMAGED AND DEFECTIVE FINISH CARPENTRY WORK WHEREVER POSSIBLE TO ELIMINATE DEFECTS FUNCTIONALLY AND VISUALLY, WHERE NOT POSSIBLE TO REPAIR PROPERLY, REPLACE WOODWORK. ADJUST JOINERY FOR UNIFORM APPEARANCE.
5. CLEANING
   a. CLEAN ON EXPOSED AND SEMI-EXPOSED SURFACES. TOUCH-UP SHOP APPLIED FINISHES TO RESTORE DAMAGED OR SOILED AREAS.
6. PROTECTION
   a. INSTALLER OF FINISH CARPENTRY WORK SHALL ADVISE CONTRACTOR OF FINAL PROTECTION AND MAINTAINED CONDITIONS NECESSARY TO ENSURE THAT WORK WILL BE WITHOUT DAMAGE OR DETERIORATION AT TIME OF ACCEPTANCE.

END OF SECTION 06200

INSTALLATION OF ARCHITECTURAL CASEWORK - SECTION 06400
PART 1 - GENERAL
1. SECTION INCLUDES ARCHITECTURAL CASEWORK FURNISHED BY THE OWNER, WHERE INDICATED IN THE DRAWINGS AND AS SPECIFIED HEREIN.
2. DELIVERY, STORAGE, & HANDLING
   a. DELIVER INSERTS AND OTHER ANCHORING DEVICES TO BE BUILT INTO SUBSTRATES, WELL IN ADVANCE OF TIME SUBSTRATES ARE TO BE BUILT. CONDITION WOOD MATERIALS TO AVERAGE PREVAILING HUMIDITY CONDITIONS IN INSTALLATION AREAS PRIOR TO INSTALLATION.
3. SITE CONDITIONS
   a. VERIFY FIELD MEASUREMENTS AND PROVIDE DIMENSIONS FOR CASEWORK SHOP DRAWINGS BEFORE FABRICATION.

PART 2 - PRODUCTS
1. MATERIALS
   a. FASTENERS AND ANCHORS: PROVIDE SIZE, TYPE, AND MATERIAL AS NOTED ON THE DRAWINGS, AND IF NOT NOTED, AS RECOMMENDED BY APPLICABLE STANDARDS.
   b. PROVIDE OTHER MATERIALS, AS INDICATED IN THE DRAWINGS AND AS OTHERWISE REQUIRED FOR COMPLETION OF THE WORK OF THIS SECTION.

PART 3 - EXECUTION
1. INSTALLATION
   a. INSTALL THE WORK PLUMB, LEVEL, TRUE AND STRAIGHT WITH NO DISTORTIONS. SHIM AS REQUIRED USING CONCEALED SHIMS. INSTALL TO A TOLERANCE OF 1/8" IN 8'-0" FOR PLUMB AND LEVEL, AND WITH 1/16" MAXIMUM OFFSET IN FLUSH ADJOINING SURFACES AND 1/8" MAXIMUM OFFSETS IN REVEALED ADJOINING SURFACES.
   b. SCRIBE AND CUT TO FIT ADJOINING WORK AND REFINISH CUT SURFACES OR REPAIR DAMAGED FINISH AT CUTS.
   c. ANCHOR TO ANCHORS OR BLOCKING BUILT-IN OR DIRECTLY ATTACHED TO SUBSTRATES. SECURE TO GROUNDS, STRIPPING AND BLOCKING WITH COUNTERSUNK, CONCEALED FASTENERS AND BLIND NAILING AS REQUIRED FOR A COMPLETE INSTALLATION. EXCEPT WHERE PRE-FINISHED MATCHING FASTENER HEADS ARE REQUIRED. USE FINE FINISHING NAILS FOR EXPOSED NAILING, COUNTERSUNK AND FILLED FLUSH WITH WOODWORK, AND MATCHING FINAL FINISH WHERE TRANSPARENT FINISH IS INDICATED.
   d. INSTALL CABINETS WITHOUT DISTORTION SO THAT CABINET DOORS AND DRAWERS FIT OPENINGS PROPERLY AND ARE ACCURATELY ALIGNED. ADJUST HARDWARE TO CENTER DOORS IN OPENINGS AND TO PROVIDE FREE OPERATION. COMPLETE INSTALLATION OF HARDWARE AND ACCESSORY ITEMS INDICATED.
   e. TOPS: ANCHOR SECURELY TO BASE UNITS AND OTHER SUPPORT SYSTEMS.
2. REPAIR
   a. REPAIR DAMAGED AND DEFECTIVE CASEWORK TO ELIMINATE DEFECTS FUNCTIONALLY AND VISUALLY, OR WHERE NOT POSSIBLE, REPLACE CASEWORK. ADJUST JOINERY FOR UNIFORM APPEARANCE. CLEAN, LUBRICATE AND ADJUST HARDWARE FOR S

WOOD DOORS - SECTION 08212
PART 1 - GENERAL
SECTION INCLUDES
1. PROVIDE FLUSH WOOD DOORS, AND INSTALL WHERE INDICATED ON THE DRAWINGS, AS SPECIFIED HEREIN, AND AS NECESSARY FOR A COMPLETE AND PROPER INSTALLATION.
2. QUALITY ASSURANCE
   a. QUALITY STANDARDS FOR FLUSH WOOD DOORS: COMPLY WITH I.S.1 "INDUSTRY STANDARD FOR WOOD FLUSH DOORS", OF NATIONAL WOOD WINDOW AND DOOR ASSOCIATION (NWWDA). COMPLY WITH "ARCHITECTURAL WOODWORK QUALITY STANDARDS"; INCLUDING SECTION 1300 "ARCHITECTURAL FLUSH DOORS", OF ARCHITECTURAL WOODWORK INSTITUTE (AWI) FOR GRADE OF DOOR, CORE CONSTRUCTION, FINISH AND OTHER REQUIREMENTS EXCEEDING THOSE OF NWWDA QUALITY STANDARD.
   b. SAFETY GLAZING STANDARD: PROVIDE SAFETY GLASS OF TYPE INDICATED OR REQUIRED BY AUTHORITIES HAVING JURISDICTION FOR DOORS AND SIDELIGHTS; COMPLY WITH ANSI Z97.1 AND TESTING REQUIREMENTS OF 16 CFR PART 1201 FOR CATEGORY II MATERIALS EXCEPT WHERE THOSE OF CATEGORY I ARE EXPRESSLY INDICATED AND PERMITTED.
3. DELIVERY, STORAGE, & HANDLING
   a. PROTECT DOORS DURING TRANSIT, STORAGE AND HANDLING TO PREVENT DAMAGE, SOILING AND DETERIORATION. COMPLY WITH REQUIREMENTS OF REFERENCED STANDARDS AND RECOMMENDATIONS OF NWWDA PAMPHLET "HOW TO STORE, HANDLE, FINISH, INSTALL, AND MAINTAIN WOOD DOORS", AS WELL AS WITH MANUFACTURER'S INSTRUCTIONS.
   b. DELIVER DOORS IN ORIGINAL UNOPENED CONTAINERS WITH LABELS INTACT AND LEGIBLE AT TIME OF USE. STORE UNDER CONDITIONS RECOMMENDED BY THE MANUFACTURER.
4. SITE CONDITIONS
   a. DO NOT DELIVER OR INSTALL DOORS UNTIL CONDITIONS FOR TEMPERATURE AND RELATIVE HUMIDITY HAVE BEEN STABILIZED AND WILL BE MAINTAINED IN STORAGE AND INSTALLATION AREAS DURING REMAINDER OF CONSTRUCTION PERIOD TO COMPLY WITH REQUIREMENTS OF THE "ARCHITECTURAL WOODWORK QUALITY STANDARDS" INCLUDING SECTION 100-S-3 "MOISTURE CONTENT" OF AWI.

PART 2 - PRODUCTS
1. MATERIALS
   a. SOLID DOOR FLUSH WOOD DOORS: AWI SECTION 1300, CUSTOM GRADE, CONSTRUCTION MEETING AWI SPEC STANDARD # PC-5: PARTICLEBOARD CORE WITH 5-PLY PRE-MANUFACTURED FACE VENEER, NATURAL FINISHED MAPLE HARDWOOD VENEER BOTH SIDES. SUBJECT TO COMPLIANCE WITH REQUIREMENTS INCLUDED HEREIN, PROVIDE WOOD DOORS MANUFACTURED BY ONE OF THE FOLLOWING:
      · ALGOMA HARDWOODS
      · BUELL DOOR COMPANY
      · EGGERS INDUSTRIES
      · ARCHITECTURAL DOOR DIVISION
      · GRAHAM MANUFACTURING CORP
      · WEYERHAEUSER COMPANY
2. FABRICATION
   a. FABRICATE FLUSH WOOD DOORS TO PRODUCE DOORS IN SIZES INDICATED FOR JOB-SITE FITTING. COMPLY WITH TOLERANCE REQUIREMENTS OF AWI. COMPLY WITH FINAL HARDWARE SCHEDULES AND DOOR FRAME SHOP DRAWINGS AND WITH HARDWARE TEMPLATES.
   b. SHOP PRIMING: SHOP SEAL FACES AND EDGES OF DOORS FOR TRANSPARENT FINISH WITH STAIN (IF REQUIRED) AND OTHER REQUIRED PRETREATMENTS AND FIRST COAT OF FINISH AS SPECIFIED IN DIVISION-9 SECTION "PAINTING".

PART 3 - EXECUTION
1. INSTALLATION
   a. OPENINGS: CUT AND TRIM OPENINGS THROUGH DOORS TO COMPLY WITH APPLICABLE REQUIREMENTS OF REFERENCED STANDARDS FOR KIND(S) OF DOORS REQUIRED.
   b. MANUFACTURER'S INSTRUCTIONS: INSTALL WOOD DOORS TO COMPLY WITH MANUFACTURER'S INSTRUCTIONS AND OF REFERENCED AWI STANDARD AND AS INDICATED.
   c. JOB-FIT DOORS: ALIGN AND FIT DOORS IN FRAMES WITH UNIFORM CLEARANCES AND BEVELS AS INDICATED BELOW; DO NOT TRIM STILES AND RAILS IN EXCESS OF LIMITS SET BY MANUFACTURER OR PERMITTED WITH FIRE-RATED DOORS. MACHINE DOORS FOR HARDWARE. SEAL CUT SURFACES AFTER FITTING AND MACHINING. PROVIDE 1/8" AT JAMBS AND HEADS; 1/16" PER LEAF AT MEETING STILES FOR PAIRS OF DOORS; AND 1/8" FROM BOTTOM OF DOOR TO TOP OF DECORATIVE FLOOR FINISH OR COVERING. PROVIDE RADIUS EDGES AT MEETING STILES OF PAIRS OF WOOD DOORS, WHERE THRESHOLD IS SHOWN OR SCHEDULED, PROVIDE 1/4" CLEARANCE FROM BOTTOM OF DOOR TO TOP OF THRESHOLD.
   d. FIELD-FINISHED DOORS: REFER TO DIVISION-9 SECTION "PAINTING" FOR FINISHING REQUIREMENTS
2. ADJUSTING
   a. REHANG OR REPLACE DOORS WHICH DO NOT SWING OR OPERATE FREELY. REFINISH OR REPLACE DOORS DAMAGED DURING INSTALLATION.
3. PROTECTION
   a. PROTECT DOORS AS RECOMMENDED BY DOOR MANUFACTURER TO ENSURE THAT WOOD DOORS WILL BE WITHOUT DAMAGE OR DETERIORATION AT TIME OF SUBSTANTIAL COMPLETION.

END OF SECTION 08212

ALUMINUM STOREFRONT SYSTEM - SECTION 08410
PART 1 - GENERAL
SECTION INCLUDES
1. PROVIDE STOREFRONT FRAMING AS SHOWN ON DRAWINGS, AS REQUIRED HEREIN, AND AS NEEDED TO MEET THE REQUIREMENTS OF THE CONSTRUCTION SHOWN IN THE CONTRACT DOCUMENTS.
2. SUBMITTALS
   a. SUBMIT SHOP DRAWING FOR FABRICATION AND INSTALLATION, INCLUDING ELEVATIONS, DETAIL SECTIONS OF TYPICAL COMPOSITE MEMBERS, HARDWARE MOUNTING HEIGHTS, ANCHORAGES, REINFORCEMENT, EXPANSION PROVISIONS, AND GLAZING.
3. SITE CONDITIONS
   a. TAKE FIELD MEASUREMENTS PRIOR TO PREPARATION OF SHOP DRAWINGS AND FABRICATION, TO ENSURE PROPER FITTING OF WORK.

PART 2 - PRODUCTS
1. MATERIALS
   a. DRAWINGS ARE BASED ON ONE MANUFACTURER'S STANDARD ALUMINUM ENTRANCE AND STOREFRONT SYSTEM. OTHER STANDARD SYSTEMS OF A SIMILAR AND EQUIVALENT NATURE WILL BE ACCEPTABLE WHEN DIFFERENCES DO NOT MATERIALLY DETRACT FROM DESIGN CONCEPT OR INTENDED PERFORMANCES, AS JUDGED SOLELY BY THE OWNER.
   b. TYPICAL FRAMING SYSTEM: MATCH EXISTING OR "KAWNEER" TRIFAB II 451 (1" INSULATED GLAZING PREFERRED FOR NEW CONSTRUCTION) FRAMING, OR EQUIVALENT EXTRUDED ALUMINUM SYSTEMS, UTILIZING ASTM B-221 ALUMINUM FOR EXTRUSIONS, AND ASTM B-209 ALUMINUM FOR SHEET/PLATE MATERIALS.
   c. FASTENERS: ALUMINUM, NON-MAGNETIC STAINLESS STEEL, OR OTHER MATERIALS WARRANTED BY MANUFACTURER TO BE NON-CORROSIVE AND COMPATIBLE WITH ALUMINUM COMPONENTS. EXPOSED FASTENERS SHALL MATCH FINISH OF MEMBERS AND HARDWARE BEING FASTENED.
   d. CONCEALED FLASHING: DEAD-SOFT STAINLESS STEEL, 26 GAUGE MINIMUM, OR EXTRUDED ALUMINUM, 0.062" MINIMUM, AS SELECTED BY MANUFACTURER FOR COMPATIBILITY WITH OTHER COMPONENTS.
   e. BRACKETS AND REINFORCEMENTS: MANUFACTURER'S HIGH-STRENGTH ALUMINUM UNITS WHERE FEASIBLE; OR NON-MAGNETIC STAINLESS STEEL OR HOT-DIPPED GALVANIZED STEEL COMPLYING WITH ASTM A-386.
   f. CONCRETE/MASONRY INSERTS: CAST-IRON, MALLEABLE IRON, OR HOT-DIPPED GALVANIZED STEEL COMPLYING WITH ASTM A-386.
   g. BITUMINOUS COATINGS: COLD-APPLIED ASPHALT MASTIC COMPLYING WITH SSPC-PS 12, COMPOUNDED FOR 30-MIL THICKNESS PER COAT.
   h. COMPRESSION WEATHER-STRIPPING: MANUFACTURER'S STANDARD REPLACEABLE STRIPPING OF EITHER MOLDED NEOPRENE GASKETS COMPLYING WITH ASTM D-2000 OR MOLDED PVC GASKETS COMPLYING WITH ASTM D-2287.
2. PREFABRICATION
   a. GENERAL: COMPLETE FABRICATION, ASSEMBLY, FINISHING, HARDWARE APPLICATION, AND OTHER WORK BEFORE SHIPMENT TO PROJECT SITE. DISASSEMBLE COMPONENTS ONLY AS NECESSARY FOR SHIPMENT AND INSTALLATION. COMPLY WITH AWS RECOMMENDATIONS TO AVOID DISCOLORATION; GRIND EXPOSED WELDS SMOOTH AND RESTORE MECHANICAL FINISH. INSTALL REINFORCING IF REQUIRED FOR PERFORMANCE REQUIREMENTS; SEPARATE DISSIMILAR METALS WITH BITUMINOUS PAINT OR OTHER SEPARATOR WHICH WILL PREVENT CORROSION. MAINTAIN ACCURATE RELATION OF PLANES AND ANGLES, WITH HAIRLINE FIT OF CONTACTING MEMBERS. CONCEAL FASTENERS WHEREVER POSSIBLE.
   b. WEATHER-STRIPPING: FOR EXTERIOR DOORS, PROVIDE COMPRESSION WEATHER-STRIPPING AGAINST FIXED STOPS; AT OTHER EDGES, PROVIDE SLIDING WEATHER-STRIPPING RETAINED IN ADJUSTABLE STRIP MORTISED INTO DOOR EDGE.
   c. STOREFRONT FRAMING SYSTEM FABRICATION: PROVIDE INSIDE-OUTSIDE MATCHED RESILIENT FLUSH-GLAZED SYSTEM WITH PROVISIONS FOR GLASS REPLACEMENT. SHOP-FABRICATE AND PRE-ASSEMBLE FRAME COMPONENTS WHERE POSSIBLE.
   d. CLASS I COLOR ANODIZED FINISH: AA-M12C22A42/A44 (MECHANICAL FINISH: AS FABRICATED, NONSPECULAR; CHEMICAL FINISH: ETCHED, MEDIUM MATTE; ANODIC COATING: CLASS I ARCHITECTURAL, FILM THICKER THAN 0.7 MIL WITH INTEGRAL COLOR OR ELECTROLYTICALLY DEPOSITED COLOR) COMPLYING WITH AAMA 606.1 OR AAMA 608.1 - COLOR OF TO MATCH EXISTING STOREFRONT MATERIALS (IF APPLICABLE), OR IF NOT EXISTING, PROVIDE "BRONZE" COLOR.

PART 3 – EXECUTION
1. INSTALLATION
   a. COMPLY WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLATION OF ALUMINUM ENTRANCES AND STOREFRONTS.
   b. SET UNITS PLUMB, LEVEL, AND TRUE TO LINE, WITHOUT WARP OR RACK OF FRAMING MEMBERS, DOORS, OR PANELS. ANCHOR SECURELY IN PLACE, SEPARATING ALUMINUM AND OTHER CORRODIBLE METAL SURFACES FROM SOURCES OF CORROSION OF ELECTROLYTIC ACTION AT POINTS OF CONTACT WITH OTHER MATERIALS.
   c. DRILL AND TAP FRAMES AND DOORS AND APPLY SURFACE-MOUNTED HARDWARE ITEMS, COMPLYING WITH HARDWARE MANUFACTURER'S INSTRUCTIONS AND TEMPLATE REQUIREMENTS. USE CONCEALED FASTENERS WHEREVER POSSIBLE.
   d. SET SILL MEMBERS IN BED OF SEALANT AS INDICATED, OR WITH JOINT FILLERS OR GASKETS AS INDICATED TO PROVIDE WEATHERTIGHT CONSTRUCTION. COMPLY WITH REQUIREMENTS OF DIVISION 7 FOR SEALANTS, FILLERS, AND GASKETS.
2. CLEANING
   a. CLEAN COMPLETED SYSTEM, INSIDE AND OUT, PROMPTLY AFTER ERECTION AND INSTALLATION OF GLASS AND SEALANTS. REMOVE EXCESS GLAZING AND JOINT SEALANTS, DIRT, AND OTHER SUBSTANCES FROM ALUMINUM SURFACES.
3. PROTECTION
   a. INSTITUTE PROTECTIVE MEASURES AND PRECAUTIONS REQUIRED TO ASSURE THAT ALUMINUM ENTRANCES AND STOREFRONTS WILL BE WITHOUT DAMAGE OR DETERIORATION, OTHER THAN NORMAL WEATHERING, AT TIME OF ACCEPTANCE.

END OF SECTION 08410

FINISH HARDWARE - SECTION 08710
PART 1 - GENERAL
SECTION INCLUDES
1. PROVIDE FINISH HARDWARE THROUGHOUT THE WORK AS INDICATED IN THE DRAWINGS, AS SPECIFIED HEREIN AND AS REQUIRED FOR A COMPLETE INSTALLATION.
2. PERFORMANCE REQUIREMENTS
   a. FIRE-RATED OPENINGS: COMPLY WITH NFPA STANDARD NO. 80 AND LOCAL CODES FOR INSTALLATION OF HARDWARE IN FIRE-RATED ASSEMBLIES. PROVIDE ONLY HARDWARE WHICH HAS BEEN TESTED AND LISTED BY UL OR FM IN COMPLIANCE WITH REQUIREMENTS OF DOOR AND DOOR FRAME LABELS.

PART 2 - PRODUCTS
1. MATERIALS
   a. FASTENERS: PROVIDE NECESSARY SCREWS, BOLTS AND OTHER FASTENERS OF SUITABLE SIZE AND TYPE TO ANCHOR HARDWARE IN POSITION FOR LONG LIFE UNDER HARD USE. PROVIDE CONCEALED FASTENERS FOR HARDWARE UNITS WHICH ARE EXPOSED WHEN DOOR IS CLOSED.

PART 3 - EXECUTION
1. PREPARATION
   a. REMOVE EXISTING DEADBOLTS WITH KEYED CYLINDER LOCKS INSIDE OCCUPIED SPACE. REPLACE WITH NEW DEADBOLT, OR RECONFIGURE EXISTING UNIT, TO PROVIDE AN INSIDE THUMBTURN LATCH.
2. INSTALLATION
   a. INSTALL HARDWARE ITEMS AT HEIGHTS AS RECOMMENDED BY THE DOOR AND HARDWARE INSTITUTE, EXCEPT AS SPECIFICALLY REQUIRED TO COMPLY WITH LOCAL CODES. INSTALL HARDWARE IN COMPLIANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. SET UNITS LEVEL, PLUMB AND TRUE. CONSULT WITH OWNER AS TO KEYING INSTRUCTIONS. ADJUST AND CHECK OPERATION OF EVERY UNIT. REPLACE UNITS WHICH CANNOT BE ADJUSTED TO OPERATE FREELY AND SMOOTHLY.

END OF SECTION 08710

GLASS AND GLAZING - SECTION 08800
PART 1 - GENERAL
SECTION INCLUDES
1. PROVIDE GLASS AND GLAZING AS SHOWN ON THE DRAWINGS, AS SPECIFIED HEREIN, AND AS NEEDED TO MEET THE REQUIREMENTS OF THE CONSTRUCTION.
2. REFERENCES
   a. GLAZING STANDARDS: COMPLY WITH RECOMMENDATIONS OF FLAT GLASS MARKETING ASSOCIATION (FGMA) "GLAZING MANUAL" AND "SEALANT MANUAL" EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE INDICATED. REFER TO THOSE PUBLICATIONS FOR DEFINITIONS OF GLASS AND GLAZING TERMS NOT OTHERWISE DEFINED IN THIS SECTION OR OTHER REFERENCED STANDARDS.
   b. SAFETY GLAZING STANDARDS: WHERE SAFETY GLASS IS INDICATED OR REQUIRED BY AUTHORITIES HAVING JURISDICTION, PROVIDE TYPE OF PRODUCTS INDICATED WHICH COMPLY WITH ANSI Z97.1 AND TESTING REQUIREMENTS OF 16 CFR PART 1201 FOR CATEGORY II MATERIALS.

PART 2 - PRODUCTS
1. MATERIALS
   a. FLOAT/PLATE GLASS: TYPE I, QUALITY Q3, CLEAR UNLESS OTHERWISE INDICATED.
   b. TEMPERED GLASS: PROVIDE PRIME GLASS OF COLOR AND TYPE INDICATED, WHICH HAS BEEN HEAT TREATED TO STRENGTHEN GLASS IN BENDING TO NOT LESS THAN 4.5 TIMES ANNEALED STRENGTH.
   c. INSULATING GLASS UNITS: SEALED INSULATING UNITS FABRICATED FROM TWO PANES OF 1/4" THICK GLASS WITH 1/2" DRY AIR SPACE, DUAL SEALING SYSTEM, SPACER, DESICCANT, AND CORNER REINFORCEMENT. GLASS THICKNESS AND HEAT STRENGTHENING TO BE DETERMINED BY MANUFACTURER FOR WIND LOADING CONDITIONS. GLASS COLOR TO MATCH EXISTING ADJACENT MATERIALS, AS APPLICABLE.
      · INSULATING GLASS WARRANTY: 10 YEARS.
   d. GLAZING SEALANTS AND COMPONENTS:
      · GENERAL: PROVIDE COLOR OF EXPOSED SEALANT/COMPOUND INDICATED OR IF NOT OTHERWISE INDICATED, AS SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLORS, OR BLACK IF NO COLOR IS SO SELECTED.
2. TWO-PART POLYSULFIDE GLAZING SEALANT: ELASTOMERIC POLYSULFIDE SEALANT COMPLYING WITH FS TT-S-227, CLASS A, TYPE 2; SPECIALLY COMPOUNDED AND TESTED TO SHOW A MINIMUM OF 20 YEARS RESISTANCE TO DETERIORATION IN NORMAL GLAZING APPLICATIONS.

PART 3 - EXECUTION
1. INSTALLATION
   a. WATERTIGHT AND AIRTIGHT INSTALLATION OF EACH GLASS PRODUCT IS REQUIRED, EXCEPT AS OTHERWISE SHOWN. EACH INSTALLATION MUST WITHSTAND NORMAL TEMPERATURE CHANGES, WIND LOADING, IMPACT LOADING (FOR OPERATING SASH AND DOORS), WITHOUT FAILURE INCLUDING LOSS OR BREAKAGE OF GLASS, FAILURE OF SEALANTS OR GASKETS TO REMAIN WATERTIGHT AND AIRTIGHT, DETERIORATION OF GLAZING MATERIALS AND OTHER DEFECTS IN THE WORK.
   b. CLEAN GLAZING CHANNEL AND OTHER FRAMING MEMBERS TO RECEIVE GLASS, IMMEDIATELY BEFORE GLAZING. REMOVE COATINGS WHICH ARE NOT FIRMLY BONDED TO SUBSTRATE. REMOVE LACQUER FROM METAL SURFACES WHERE ELASTOMERIC SEALANTS ARE USED.
   c. COMPLY WITH FGMA "GLAZING MANUAL" AND MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS. USE MANUFACTURER'S RECOMMENDED SPACERS, BLOCKS, PRIMERS, SEALERS, GASKETS AND ACCESSORIES.
   d. INSTALL GLASS WITH UNIFORMITY OF PATTERN, DRAW, BOW AND ROLLER MARKS. INSTALL SEALANTS TO PROVIDE COMPLETE WETTING AND BOND AND TO CREATE A SUBSTANTIAL WASH AWAY FROM GLASS. INSTALL PRESSURE GLAZED TAPES AND GASKETS TO PROTRUDE SLIGHTLY OUT OF CHANNEL, SO AS TO ELIMINATE DIRT AND MOISTURE POCKETS.
   e. INSTALL INSULATING GLASS UNITS TO COMPLY WITH RECOMMENDATIONS BY SEALED INSULATING GLASS MANUFACTURERS ASSOCIATION, EXCEPT AS OTHERWISE SPECIFICALLY INDICATED OR RECOMMENDED BY GLASS AND SEALANT MANUFACTURERS.
2. PROTECTION
   a. PROTECT EXTERIOR GLASS FROM BREAKAGE IMMEDIATELY UPON INSTALLATION, BY USE OF CROSSED STREAMERS ATTACHED TO FRAMING AND HELD AWAY FROM GLASS. DO NOT APPLY MARKERS TO SURFACES OF GLASS. REMOVE NONPERMANENT LABELS AND CLEAN SURFACES. CURE SEALANTS FOR HIGH EARLY STRENGTH AND DURABILITY.
3. REPAIR
   a. REMOVE AND REPLACE DAMAGED GLASS AND GLAZING. WASH AND POLISH GLASS ON BOTH FACES NOT MORE THAN 4 DAYS PRIOR TO DATE SCHEDULED FOR INSPECTIONS INTENDED TO ESTABLISH DATE OF SUBSTANTIAL COMPLETION. COMPLY WITH GLASS PRODUCT MANUFACTURER'S RECOMMENDATIONS FOR FINAL CLEANING.

END OF SECTION 08800

GYPSUM DRYWALL - SECTION 09250
PART 1 - GENERAL
SECTION INCLUDES
1. PROVIDE SCREW-TYPE GYPSUM DRYWALL AS SHOWN ON THE DRAWINGS, AS SPECIFIED HEREIN, AND AS NEEDED TO MEET THE REQUIREMENTS OF THE CONSTRUCTION SHOWN IN THE CONTRACT DOCUMENTS. THE WORK INCLUDES, BUT IS NOT NECESSARILY LIMITED TO THE FOLLOWING:
   a. GYPSUM DRYWALL INCLUDING SCREW-TYPE SUPPORT SYSTEM
   b. DRYWALL FINISHING (JOINT TAPE-AND COMPOUND TREATMENT)
2. REFERENCES
   a. GYPSUM BOARD STANDARDS: GA-216 BY GYPSUM ASSOCIATION
3. REGULATORY REQUIREMENT
   a. FIRE-RESISTANCE RATINGS: WHERE GYPSUM DRYWALL SYSTEMS WITH FIRE RESISTANCE RATINGS ARE INDICATED OR ARE REQUIRED TO COMPLY WITH GOVERNING REGULATIONS, PROVIDE MATERIALS AND INSTALLATIONS IDENTICAL WITH APPLICABLE ASSEMBLIES WHICH HAVE BEEN TESTED AND LISTED BY RECOGNIZED AUTHORITIES, INCLUDING UL.

PART 2 - PRODUCTS
1. MATERIALS
   a. METAL SUPPORT STANDARDS: ASTM C-754
   b. STUDS: ASTM C 645; 25 GAUGE UNLESS OTHERWISE NOTED.
      · DEPTH OF SECTION: 3-5/8" OR AS NOTED.
      · RUNNERS: MATCH STUDS; TYPE RECOMMENDED BY STUD MANUFACTURER FOR FLOOR AND CEILING SUPPORT OF STUDS, AND FOR VERTICAL ABUTMENT OF DRYWALL WORK AT OTHER WORK.
   c. STUD SYSTEM ACCESSORIES: PROVIDE STUD MANUFACTURER'S STANDARD CLIPS, SHOES, TIES, REINFORCEMENTS, FASTENERS AND OTHER ACCESSORIES AS NEEDED FOR A COMPLETE STUD SYSTEM.
   d. FURRING MEMBERS: ASTM C 645; 25 GAUGE, HAT-SHAPED.
   e. Z-FURRING MEMBERS: MANUFACTURER'S STANDARD SCREW-TYPE Z-SHAPED FURRING MEMBERS; OF NOT THINNER THAN 26 GAUGE GALVANIZED STEEL, ASTM A 525, G90; OF DEPTH INDICATED; DESIGNED FOR MECHANICALLY ATTACHMENT OF INSULATION BOARDS OR BLANKETS TO MONOLITHIC CONCRETE AND MASONRY WALLS. PROVIDE FASTENERS OF TYPE AND SIZE RECOMMENDED INDICATED.
   f. EXPOSED WALLBOARD: TYPE X (FIRE RESISTANT) WITH TAPERED LONG EDGES, 5/8" THICKNESS, EXCEPT WHERE OTHERWISE INDICATED, IN MAXIMUM LENGTH AVAILABLE WHICH WILL MINIMIZE END JOINTS.
   g. WATER-RESISTANT TYPE: PROVIDE BEHIND ALL CERAMIC TILE WORK AND WHERE OTHERWISE INDICATED; 5/8" THICK WATER-RESISTANT TYPE X.
   h. TRIM ACCESSORIES: PROVIDE MANUFACTURER'S STANDARD TRIM ACCESSORIES OF TYPES INDICATED FOR DRYWALL WORK, FORMED OF GALVANIZED STEEL UNLESS OTHERWISE INDICATED, WITH EITHER KNURLED AND PERFORATED OR EXPANDED FLANGES FOR NAILING AND BEADED FOR CONCEALMENT OF FLANGES IN JOINT COMPOUND. PROVIDE CORNER BEADS, L-TYPE EDGE TRIM-BEADS, U-TYPE EDGE TRIM-BEADS, SPECIAL L-KERF-TYPE EDGE TRIM-BEADS.
   i. JOINT COMPOUND: ASTM C 475 - FOR INTERIOR WORK PROVIDE SINGLE, MULTI-PURPOSE GRADE,READY-MIXED VINYL-TYPE, WITH PERFORATED TYPE PAPER JOINT TAPE.
   j. GYPSUM BOARD FASTENERS: GYPSUM BOARD SCREWS: ASTM C 1002.
   k. PROVIDE AUXILIARY MATERIALS FOR GYPSUM DRYWALL WORK OF THE TYPE AND GRADE RECOMMENDED BY THE MANUFACTURER GYPSUM BOARDS.

PART 3 - EXECUTION
1. INSTALLATION
   a. ALLOWABLE TOLERANCES: 1/16" OFFSETS BETWEEN PLANES OF BOARD FACES, AND 1/8" IN 8'-0" FOR PLUMB, LEVEL, WARP AND BOW.
   b. INSTALLATION OF WALL/PARTITION SUPPORT SYSTEMS: INSTALL SUPPLEMENTARY FRAMING, BLOCKING AND BRACING TO SUPPORT FIXTURES, EQUIPMENT, SERVICES, HEAVY TRIM, FURNISHINGS AND SIMILAR WORK WHICH CANNOT BE ADEQUATELY SUPPORTED ON GYPSUM BOARD ALONE. INSTALL RUNNER TRACKS AT FLOORS, CEILINGS AND STRUCTURAL WALLS AND COLUMNS WHERE GYPSUM DRYWALL STUD SYSTEM ABUTS OTHER WORK, EXCEPT AS OTHERWISE INDICATED. SPACE STUDS 16" O.C., EXCEPT AS OTHERWISE INDICATED.
   c. ISOLATE STUDS FROM TRANSFER OF STRUCTURAL LOADING TO SYSTEM, BOTH HORIZONTALLY AND VERTICALLY. PROVIDE SLIP OR CUSHIONED TYPE JOINTS TO ATTAIN LATERAL SUPPORT AND AVOID AXIAL LOADING.
   d. AT OPENINGS FOR DOORS, INSTALL DOUBLE (2 EA) 20 GAUGE STUDS AT ALL OPENINGS, SCREW ATTACH WEB OF BACK-TO-BACK STUDS DIRECT TO JAMB ANCHOR CLIPS NESTED BETWEEN FLANGE OF STUD, UNLESS OTHERWISE INDICATED. FRAME OPENINGS OTHER THAN DOOR OPENINGS IN SAME MANNER AS REQUIRED FOR DOOR OPENINGS; AND INSTALL FRAMING BELOW SILLS OF OPENINGS TO MATCH FRAMING REQUIRED ABOVE DOOR HEADS.
   e. INSTALLATION OF WALL FURRING: SPACE WALL FURRING MEMBERS 24" O.C., EXCEPT AS OTHERWISE INDICATED. ERECT THERMAL INSULATION VERTICALLY AND HOLD IN PLACE WITH 2-FURRING MEMBERS SPACED 16" O.C. EXCEPT AT EXTERIOR CORNERS, SECURELY ATTACH NARROW FLANGES OF FURRING MEMBERS TO WALL WITH CONCRETE STUD NAILS OR POWER-DRIVE FASTENERS SPACED 16" O.C. AT EXTERIOR CORNERS, ATTACH WIDE FLANGE OF FURRING MEMBERS TO WALL WITH SHORT FLANGE EXTENDING BEYOND CORNER START FROM THIS FURRING MEMBER WITH 3" WIDE STRIP OF INSULATION FOLLOWED BY FURRING MEMBER IN THE NORMAL MANNER. AT INTERIOR CORNERS, SPACE SECOND MEMBER NO MORE THAN 12" FROM CORNER AND CUT INSULATION TO FIT. UNTIL GYPSUM BOARD IS INSTALLED, HOLD INSULATION IN PLACE WITH 10" STAPES FABRICATED FROM 18 GAUGE TIE WIRE AND INSERTED THROUGH SLOT IN WEB OF MEMBER, OR BY AN EQUALLY ACCEPTABLE METHOD.
   f. INSTALL SUPPLEMENTARY FRAMING, RUNNERS, FURRING, BLOCKING AND BRACING AT OPENING AND TERMINATIONS IN THE WORK, AND AT LOCATIONS REQUIRED TO SUPPORT FIXTURES, EQUIPMENT, SERVICES, HEAVY TRIM, FURNISHINGS AND SIMILAR WORK WHICH CANNOT BE ADEQUATELY SUPPORTED DIRECTLY ON GYPSUM BOARD ALONE.
   g. INSTALL WALL/PARTITION BOARDS VERTICALLY TO AVOID END-BUTT JOINTS WHEREVER POSSIBLE.
   h. AT STAIRWELLS AND SIMILAR HIGH WALLS, INSTALL BOARDS HORIZONTALLY WITH END JOINTS STAGGERED OVER STUDS.
   i. INSTALL EXPOSED GYPSUM BOARD WITH FACE SIDE OUT. DO NOT INSTALL IMPERFECT, DAMAGED FOR DAMP BOARDS. BUTT BOARDS TOGETHER FOR A LIGHT CONTACT AT EDGES AND ENDS WITH NOT MORE THAN 1/16" OPEN SPACE BETWEEN BOARDS. DO NOT FORCE INTO PLACE.
   j. LOCATED EITHER EDGE OR END JOINTS OVER SUPPORTS, EXCEPT IN HORIZONTAL APPLICATIONS OR WHERE INTERMEDIATE SUPPORTS OF GYPSUM BOARD BACK-BLOCKING IS PROVIDED BEHIND END JOINTS. POSITION BOARDS SO THAT BOTH TAPERED EDGE JOINTS ABUT, AND MILL-CUT OR FIELD-CUT END JOINTS ABUT. DO NOT PLACE TAPERED EDGES AGAINST CUT EDGES OR ENDS. STAGGER VERTICAL JOINTS OVER DIFFERENT STUDS ON OPPOSITE SIDES OF PARTITIONS.
   k. ATTACH GYPSUM BOARD TO FRAMING AND BLOCKING AS REQUIRED FOR ADDITIONAL SUPPORT AT OPENINGS AND CUTOUTS. FORM CONTROL JOINTS AND EXPANSION JOINTS WITH SPACE BETWEEN EDGES OF BOARDS, PREPARED TO RECEIVE TRIM ACCESSORIES. COVER BOTH FACES OF STEEL STUD PARTITION FRAMING WITH GYPSUM BOARD IN CONCEALED SPACES (ABOVE CEILINGS, ETC.), EXCEPT IN CHASE WALLS WHICH ARE PROPERLY BRACED INTERNALLY.
   l. ISOLATE PERIMETER OF NONLOAD-BEARING DRYWALL PARTITIONS AT STRUCTURAL ABUTMENTS. PROVIDE 1/4" TO 1/2" SPACE AND TRIM EDGE WITH J-TYPE SEMI-FINISHING EDGE TRIM. SEAL JOINTS WITH ACOUSTICAL SEALANT. DO NOT FASTEN DRYWALL DIRECTLY TO STUD SYSTEM RUNNER TRACKS.
   m. SPACE FASTENERS IN GYPSUM BOARDS IN ACCORDANCE WITH REFERENCED STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
2. GYPSUM DRYWALL APPLICATION METHODS
   a. SINGLE-LAYER APPLICATION: INSTALL EXPOSED GYPSUM BOARD.
   b. ON PARTITIONS/WALLS APPLY GYPSUM BOARD VERTICALLY (PARALLEL), UNLESS OTHERWISE INDICATED, AND PROVIDE SHEET LENGTHS WHICH WILL MINIMIZE END JOINTS.
   c. ON Z-FURRING MEMBERS APPLY GYPSUM BOARD VERTICALLY (PARALLEL) WITH NO END JOINTS. LOCATE EDGE JOINTS OVER FURRING MEMBERS.
   d. DIRECT-BONDING TO SUBSTRATE: WHERE GYPSUM BOARD IS INDICATED TO BE DIRECTLY ADHERED TO A SUBSTRATE (OTHER THAN STUDS, JOINTS, FURRING MEMBERS OR BASE LAYER OF GYPSUM BOARD), COMPLY WITH GYPSUM BOARD MANUFACTURERS RECOMMENDATIONS, AND TEMPORARILY BRACE OR FASTEN GYPSUM BOARD UNTIL FASTENING ADHESIVE HAS SET.
   e. INSTALLATION OF DRYWALL TRIM ACCESSORIES: WHERE FEASIBLE, USE THE SAME FASTENERS TO ANCHOR TRIM ACCESSORY FLANGES AS REQUIRED TO FASTEN GYPSUM BOARD TO THE SUPPORTS. OTHERWISE, FASTEN FLANGES BY NAILING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. INSTALL METAL CORNER BEADS AT EXTERNAL CORNERS OF DRYWALL WORK.
   f. INSTALL EDGE TRIM WHENEVER EDGE OF GYPSUM BOARD WOULD OTHERWISE BE EXPOSED OR SEMI-EXPOSED. PROVIDE TYPE WITH FACE FLANGE TO RECEIVE JOINT COMPOUND. INSTALL L-TYPE TRIM WHERE WORK IS TIGHTLY ABUTTED TO OTHER WORK AND INSTALL SPECIAL KERF-TYPE WHERE OTHER WORK IS KERFED TO RECEIVE LONG LEG OF L- TYPE TRIM. INSTALL U-TYPE WHERE EDGE IS EXPOSED, REVEALED, GASKETED, OR SEALANT-FILLED (INCLUDING EXPANSION JOINTS).
   g. INSTALLATION OF DRYWALL FINISHING: APPLY TREATMENT AT GYPSUM BOARD JOINTS (BOTH DIRECTIONS), FLANGES OF TRIM ACCESSORIES, PENETRATIONS, FASTENERS HEADS, SURFACE DEFECTS AND ELSEWHERE AS REQUIRED TO PREPARE WORK FOR DECORATION. PRE-FILL OPEN JOINTS AND ROUNDED OR BEVELED EDGES, USING TYPE OF COMPOUND RECOMMENDED BY MANUFACTURER. APPLY JOINT TAPE AT JOINTS BETWEEN GYPSUM BOARDS, EXCEPT WHERE A TRIM ACCESSORY IS INDICATED. APPLY JOINT COMPOUND IN THREE (3) COATS (NOT INCLUDING PRE-FILL OF OPENINGS IN BASE), AND SAND BETWEEN LAST TWO (2) COATS AND AFTER LAST PROVIDE LEVEL 5 FINISH AT ALL SURFACES RECEIVING PAINT. AT WATER-RESISTANT GYPSUM BOARD BASE FOR CERAMIC TILE, TAPE AND FINISH JOINTS WITH TWO (2) COATS WATER-RESISTANT JOINT MATERIAL.
   h. PARTIAL FINISHING: OMIT THIRD COAT (IF SPECIFIED) AND SANDING ON CONCEALED DRYWALL WORK WHICH IS INDICATED FOR DRYWALL FINISHING OR WHICH REQU

PAINTING - SECTION 09900
PART 1 - GENERAL
SUMMARY
1. SURFACE PREPARATION AND PAINTING OR FINISHING OF INTERIOR EXPOSED TO VIEW, THROUGHOUT THE PROJECT AND IN ACCORDANCE WITH REQUIREMENTS HEREIN. EXCEPT WHERE A NATURAL FINISH OR A MATERIAL IS SPECIFICALLY NOTED AS A SURFACE NOT TO BE PAINTED, PAINT ALL EXPOSED SURFACES WHETHER OR NOT PAINTING IS DESIGNATED IN THE DRAWINGS. WHERE ITEMS OR SURFACES ARE NOT SPECIFICALLY MENTIONED, PAINT THE SAME AS SIMILAR ADJACENT MATERIALS OR AREAS.
2. THE WORK OF THIS SECTION INCLUDES, BUT IS NOT NECESSARILY LIMITED TO PAINTING OR FINISHING OF THE FOLLOWING ITEMS:
   a. HOLLOW METAL DOORS AND FRAMES
   b. ALL INTERIOR DRYWALL SURFACES NOT FINISHED OTHERWISE.
   c. EXPOSED PORTIONS OF DUCTWORK, FIXTURE TRIMS AND MECHANICAL GRILLES
   d. PARTIALLY CONCEALED, INTERIOR PORTIONS OF DUCTS, VISIBLE THROUGH REGISTERS OR GRILLES
   e. INTERIOR FINISH CARPENTRY
   f. EXPOSED ROOF DECK AND STRUCTURAL FRAMING AND SUPPORT SYSTEM.
3. PAINTING NOT REQUIRED: UNLESS OTHERWISE INDICATED, PAINTING IS NOT REQUIRED ON PLASTIC LAMINATE, PRE-FINISHED SHEET METAL, PLUMBINT FIXTURES, ELECTRICAL EQUIPMENT (EXCLUDING EXPOSED DISTRIBUTION CABINET(S) ELECTRICAL DEVICES, OR FOOD SERVICE EQUIPMENT. PAINTING IS NOT REQUIRED ON SURFACES SUCH AS WALLS OR CEILINGS IN CONCEALED OR INACCESSIBLE AREAS. METAL SURFACES OF ANODIZED ALUMINUM, STAINLESS STEEL, CHROMIUM PLATE AND SIMILAR FINISHED MATERIALS WILL NOT REQUIRE FINISH PAINTING, EXCEPT AS OTHERWISE INDICATED IN THE FINISH HARDWARE SCHEDULE. DO NOT PAINT OVER CODE-REQUIRED LABELS OR EQUIPMENT IDENTIFICATION LABELS.
4. QUALITY ASSURANCE
   a. USE ONLY SKILLED PAINTERS FOR MIXING AND APPLYING PAINT. QUALITY WORKMANSHIP IS REQUIRED. IN THE ACCEPTANCE OR REJECTION OF FINISH PAINTING, NO ALLOWANCE WILL BE MADE FOR THE PAINTERS' LACK OF SKILL OR IN ADEQUATE LIGHTING DURING PAINTING OPERATIONS.
   b. PROVIDE BEST QUALITY GRADE OF VARIOUS TYPES OF COATINGS AS REGULARLY MANUFACTURED BY ACCEPTABLE PAINT MATERIALS MANUFACTURERS. MATERIALS NOT DISPLAYING MANUFACTURERS IDENTIFICATION AS A STANDARD, BEST-GRADE PRODUCT WILL NOT BE ACCEPTABLE.
5. DELIVERY
   a. DELIVER MATERIALS TO JOB SITE IN ORIGINAL, NEW AND UNOPENED PACKAGES AND CONTAINERS BEARING MANUFACTURER'S NAME AND LABEL. STORE MATERIALS NOT IN ACTUAL USE IN TIGHTLY COVERED CONTAINERS. MAINTAIN CONTAINERS USED IN STORAGE OF PAINT IN A CLEAN CONDITION, FREE OF FOREIGN MATERIALS AND RESIDUE. KEEP STORAGE AREA NEAT AND ORDERLY. REMOVE RAGS AND WATER DAILY. TAKE ALL PRECAUTIONS TO ENSURE THAT WORKMEN AND WORK AREAS ARE ADEQUATELY PROTECTED FROM FIRE HAZARDS AND HEALTH HAZARDS RESULTING FROM HANDLING, MIXING AND APPLICATION OF PAINTS.
6. SITE CONDITIONS
   a. APPLY PAINTS ONLY WHEN TEMPERATURE OF SURFACES TO BE PAINTED AND SURROUNDING AIR TEMPERATURES ARE WITHIN RECOMMENDED RANGE PERMITTED BY THE PAINT MANUFACTURER'S PRINTED INSTRUCTIONS. DO NOT APPLY PAINT WHEN RELATIVE HUMIDITY EXCEEDS 85%, OR TO DAMP OR WET SURFACES.
7. EXTRA MATERIALS
   a. UPON COMPLETION OF THIS SECTION DELIVER TO THE OWNER EXTRA STOCK EQUAL TO ONE (1) GALLON OF EACH COLOR, TYPE AND SHEEN OF PAINT USED IN THE WORK. LABEL EACH COLOR ACCORDINGLY

PART 2 - PRODUCTS
1. GENERAL
   a. PROVIDE PAINT PRODUCTS EQUAL TO MATERIALS LISTED IN THE PAINT SCHEDULE INCLUDED HEREIN. NOTE THAT PROPRIETARY NAMES USED TO DESIGNATE MATERIALS ARE NOT INTENDED TO IMPLY THAT PRODUCTS OF NAMED MANUFACTURER ARE REQUIRED TO EXCLUSION OF EQUIVALENT PRODUCTS OF OTHER MANUFACTURERS.
2. MATERIALS
   a. PROVIDE PRIMERS AND UNDERCOAT PAINTS PRODUCED BY THE SAME MANUFACTURER AS THE FINISH COATS. USE ONLY THINNERS APPROVED BY PAINT MANUFACTURER, AND USE ONLY WITHIN RECOMMENDED LIMITS.
   b. MATCH APPROVED SAMPLES FOR COLOR, TEXTURE, AND COVERAGE. REMOVE, REFINISH, OR REPAINT WORK NOT IN COMPLIANCE WITH SPECIFIED REQUIREMENTS.

PART 3 - EXECUTION
1. EXAMINATION
   a. EXAMINE AREAS AND CONDITIONS UNDER WHICH PAINTING WORK IS TO BE APPLIED AND NOTIFY OWNER OF CONDITIONS DETRIMENTAL TO PROPER AND TIMELY COMPLETION OF THE WORK. STARTING OF PAINTING WORK WILL BE CONSTRUED AS ACCEPTANCE OF SURFACES AND CONDITIONS.
2. PREPARATION
   a. PREPARE SURFACES AND APPLY COATINGS IN STRICT ACCORDANCE WITH THE COATING MANUFACTURER'S RECOMMENDATIONS.
   b. CLEAN SURFACES OF DIRT, RUST, SCALE, GREASE, MOISTURE, OR OTHER CONDITIONS OTHERWISE DETRIMENTAL TO FORMATION OF A DURABLE PAINT FILM. PERFORM PREPARATION AND CLEANING PROCEDURES IN ACCORDANCE WITH PAINT MANUFACTURER'S PRINTED INSTRUCTIONS FOR EACH PARTICULAR SUBSTRATE CONDITION.
   c. REMOVE HARDWARE, ACCESSORIES, PLATES, LIGHTING FIXTURES, AND SIMILAR ITEMS IN PLACE AND NOT TO BE FINISH-PAINTED OR PROVIDE SURFACE-APPLIED PROTECTION PRIOR TO SURFACE PREPARATION AND PAINTING OPERATIONS. REMOVE, IF NECESSARY, FOR COMPLETE PAINTING OF ITEMS AND ADJACENT SURFACES. FOLLOWING COMPLETION OF PAINTING OF EACH SPACE OR AREA, REINSTALL REMOVED ITEMS.
   d. CLEAN WOOD SURFACES OF DIRT, OIL, AND OTHER FOREIGN SUBSTANCES WITH SCRAPERS, MINERAL SPIRITS, AND SANDPAPER, AS REQUIRED. SAND SURFACES EXPOSED TO VIEW SMOOTH AND DUST OFF. SCRAPE AND CLEAN SMALL, DRY, SEASONED KNOTS AND APPLY A THIN COAT OF WHITE SHELLAC OR OTHER RECOMMENDED KNOT SEALER BEFORE APPLICATION OF PRIMER. AFTER PRIMING, FILL HOLES AND IMPERFECTIONS IN FINISH SURFACES WITH PUTTY OR PLASTIC WOOD FILLER. SAND SMOOTH WHEN DRIED.
   e. PRIME, STAIN, OR SEAL WOOD TO BE PAINTED IMMEDIATELY UPON DELIVERY. PRIME EDGES, ENDS, FACES, UNDERSIDES, AND BACKSIDES OF WOOD, INCLUDING CABINETS, COUNTERS, CASES, AND PANELING. WHEN TRANSPARENT FINISH IS REQUIRED, BACKPRIME WITH SPAR VARNISH. BACKPRIME PANELING ON INTERIOR PARTITIONS WHERE MASONRY, PLASTER, OR OTHER WET WALL CONSTRUCTION OCCURS ON BACKSIDE. SEAL TOPS, BOTTOMS, AND CUTOUTS OF UNPRIMED WOOD DOORS WITH A HEAVY COAT OF VARNISH OR SEALER IMMEDIATELY UPON DELIVERY.
   f. CLEAN NONGALVANIZED FERROUS-METAL SURFACES THAT HAVE NOT BEEN SHOP COATED; REMOVE OIL, GREASE. DIRT, LOOSE MILL SCALE, AND OTHER FOREIGN SUBSTANCES. USE SOLVENT OR MECHANICAL CLEANING METHODS THAT COMPLY WITH RECOMMENDATIONS OF THE STEEL STRUCTURES PAINTING COUNCIL.
   g. TOUCH UP SHOP-APPLIED PRIME COATS THAT HAVE BEEN DAMAGED. WIRE-BRUSH, CLEAN WITH SOLVENTS RECOMMENDED BY THE PAINT MANUFACTURER, AND TOUCH UP WITH THE SAME PRIMER AS THE SHOP COAT.
   h. MATERIALS PREPARATION: CAREFULLY MIX AND PREPARE PAINT MATERIALS IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS. MAINTAIN CONTAINERS USED IN MIXING AND APPLICATION OF PAINT IN A CLEAN CONDITION, FREE OF FOREIGN MATERIALS AND RESIDUE. STIR MATERIAL BEFORE APPLICATION TO PRODUCE A MIXTURE OF UNIFORM DENSITY; STIR AS REQUIRED DURING APPLICATION. DO NOT STIR SURFACE FILM INTO MATERIAL. REMOVE FILM AND, IF NECESSARY, STRAIN MATERIAL BEFORE USING. USE ONLY THINNERS APPROVED BY THE PAINT MANUFACTURER, AND ONLY WITHIN RECOMMENDED LIMITS.
3. APPLICATION
   a. APPLY PAINT IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS. USE APPLICATORS AND TECHNIQUES BEST SUITED FOR SUBSTRATE AND TYPE OF MATERIAL BEING APPLIED. DO NOT PAINT OVER DIRT, RUST, SCALE, GREASE, MOISTURE, SCUFFED SURFACES, OR CONDITIONS DETRIMENTAL TO FORMATION OF A DURABLE PAINT FILM.
   b. SCHEDULING: APPLY FIRST-COAT MATERIAL TO SURFACES THAT HAVE BEEN CLEANED, PRETREATED OR OTHERWISE PREPARED FOR PAINTING AS SOON AS PRACTICABLE AFTER PREPARATION AND BEFORE SUBSEQUENT SURFACE DETERIORATION. ALLOW SUFFICIENT TIME BETWEEN SUCCESSIVE COATINGS TO PERMIT PROPER DRYING. DO NOT RE-COAT UNTIL PAINT HAS DRIED TO WHERE IT FEELS FIRM, DOES NOT DEFORM OR FEEL STICKY UNDER MODERATE THUMB PRESSURE, AND APPLICATION OF ANOTHER COAT OF PAINT DOES NOT CAUSE LIFTING OR LOSS OF ADHESION OF THE UNDERCOAT.
   c. APPLY PAINT TO COMPLETELY COVER PREVIOUSLY PAINTED SURFACES, TO PROVIDE AN OPAQUE, SMOOTH SURFACE OF UNIFORM FINISH, COLOR, APPEARANCE AND COVERAGE. CLOUDINESS, SPOTTING, HOLIDAYS, LAP MARKS, BRUSH MARKS, RUNS, SAGS, ROPINESS OR OTHER SURFACE IMPERFECTIONS WILL NOT BE ACCEPTABLE.
   d. THE NUMBER OF COATS AND FILM THICKNESS REQUIRED IS THE SAME REGARDLESS OF THE APPLICATION METHOD. DO NOT APPLY SUCCEEDING COATS UNTIL THE PREVIOUS COAT HAS CURED AS RECOMMENDED BY THE MANUFACTURER. SAND BETWEEN APPLICATIONS WHERE SANDING IS REQUIRED TO PRODUCE AN EVEN SMOOTH SURFACE IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS.
   e. APPLY ADDITIONAL PAINT COATS WHEN UNDERCOATS, STAINS OR OTHER CONDITIONS SHOW THROUGH FINAL COAT OF PAINT, UNTIL PAINT FILM IS OF UNIFORM FINISH, COLOR AND APPEARANCE. GIVE SPECIAL ATTENTION TO ENSURE THAT SURFACES, INCLUDING EDGES, CORNERS, CREVICES, AND EXPOSED FASTENERS RECEIVE A DRY FILM THICKNESS EQUIVALENT TO THAT OF FLAT SURFACES.
   f. PAINT SURFACES BEHIND MOVABLE EQUIPMENT AND FURNITURE SAME AS SIMILAR EXPOSED SURFACES. PAINT SURFACES BEHIND PERMANENTLY FIXED EQUIPMENT OR FURNITURE WITH PRIME COAT ONLY BEFORE FINAL INSTALLATION OF EQUIPMENT.
   g. PAINT INTERIOR SURFACES OF DUCTS, WHERE VISIBLE THROUGH REGISTERS OR GRILLES WITH A FLAT, NON-SPECULAR BLACK PAINT. PAINT BACK SIDES OF ACCESS PANELS AND REMOVABLE OR HINGED COVERS TO MATCH EXPOSED SURFACES.
   h. MINIMUM COATING THICKNESS: APPLY MATERIALS AT NOT LESS THAN THE MANUFACTURER'S RECOMMENDED SPREADING RATE. PROVIDE A TOTAL DRY FILM THICKNESS OF THE ENTIRE SYSTEM AS RECOMMENDED BY THE MANUFACTURER.
   i. PRIME COATS: BEFORE APPLICATION OF FINISH COATS, APPLY A PRIME COAT OF MATERIAL AS RECOMMENDED BY THE MANUFACTURER TO MATERIAL THAT IS REQUIRED TO BE PAINTED OR FINISHED AND HAS NOT BEEN PRIME COATED BY OTHERS. RE-COAT PRIMED AND SEALED SURFACES WHERE EVIDENCE OF SUCTION SPOTS OR UNSEALED AREAS IN FIRST COAT APPEARS, TO ASSURE A FINISH COAT WITH NO BURN THROUGH OR OTHER DEFECTS DUE TO INSUFFICIENT SEALING.
   j. PIGMENTED (OPAQUE) FINISHES: COMPLETELY COVER TO PROVIDE AN OPAQUE, SMOOTH SURFACE OF UNIFORM FINISH, COLOR, APPEARANCE, AND COVERAGE. CLOUDINESS, SPOTTING, HOLIDAYS, LAPS, BRUSH MARKS, RUNS, SAGS, ROPINESS, OR OTHER SURFACE IMPERFECTIONS WILL NOT BE ACCEPTABLE.
   k. TRANSPARENT (CLEAR) FINISHES: USE MULTIPLE COATS TO PRODUCE A GLASS-SMOOTH SURFACE FILM OF EVEN LUSTER. PROVIDE A FINISH FREE OF LAPS, CLOUDINESS, COLOR IRREGULARITY, RUNS, BRUSH MARKS, ORANGE PEEL, NAIL HOLES, OR OTHER SURFACE IMPERFECTIONS.
4. FIELD QUALITY CONTROL
   a. THE OWNER RESERVES THE RIGHT TO ENGAGE THE SERVICES OF AN INDEPENDENT TESTING LABORATORY TO SAMPLE THE PAINT MATERIAL BEING USED. SAMPLES OF MATERIAL DELIVERED TO THE PROJECT MAY BE TAKEN, IDENTIFIED, SEALED, AND CERTIFIED IN THE PRESENCE OF THE CONTRACTOR. THE TESTING LABORATORY WILL PERFORM APPROPRIATE TESTS AS REQUIRED BY THE OWNER. IF TEST RESULTS SHOW MATERIAL BEING USED DOES NOT COMPLY WITH SPECIFIED REQUIREMENTS, THE CONTRACTOR MAY BE DIRECTED TO STOP PAINTING, REMOVE NON-COMPLYING PAINT, PAY FOR TESTING, REPAINT SURFACES COATED WITH REJECTED PAINT, AND REMOVE REJECTED PAINT FROM PREVIOUSLY PAINTED SURFACES IF, UPON REPAINTING WITH SPECIFIED PAINT, THE TWO COATINGS ARE NON-COMPATIBLE.
5. CLEANING
   a. DURING THE PROGRESS OF THE WORK, REMOVE FROM SITE DISCARDED PAINT MATERIALS, RUBBISH, CANS AND RAGS AT END OF EACH WORKDAY. UPON COMPLETION OF PAINTING WORK, CLEAN WINDOW GLASS AND OTHER PAINT-SPATTERED SURFACES. REMOVE SPATTERED PAINT OR OTHERWISE DAMAGE FINISH SURFACES. TOUCH UP AND RESTORE ALL DAMAGED OR DEFACED PAINTED SURFACES AFTER COMPLETION OF WORK OF OTHER TRADES.
6. PROTECTION
   a. PROTECT WORK OF OTHER TRADES, WHETHER TO BE PAINTED OR NOT, AGAINST DAMAGE BY PAINTING. CORRECT DAMAGE BY CLEANING, REPAIRING OR REPLACING, AND REPAINTING, AS ACCEPTABLE TO OWNER. PROVIDE "WET PAINT" SIGNS TO PROTECT NEWLY PAINTED FINISHES. REMOVE TEMPORARY PROTECTIVE WRAPPINGS PROVIDED BY OTHERS FOR PROTECTION OF THEIR WORK AFTER COMPLETION OF PAINTING OPERATIONS. AT COMPLETION OF CONSTRUCTION ACTIVITIES OF OTHER TRADES, TOUCH UP AND RESTORE DAMAGED OR DEFACED PAINTED SURFACES.

END OF SECTION 09900

SURFACE PROTECTION SYSTEMS - SECTION 10265
PART 1 - GENERAL
SECTION INCLUDES
1. PERFORM SURFACE PREPARATION OF SUBSTRATE WALL SURFACES AND PROVIDE WALL PROTECTION SYSTEMS, WHERE INDICATED ON THE DRAWINGS, AS SPECIFIED HEREIN AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION. WALL PROTECTION SYSTEMS INCLUDE:
   a. CORNER GUARDS.
   b. RIGID SHEET WALL COVERING PANELS.

PART 2 - PRODUCTS
1. SURFACE MOUNTED STAINLESS STEEL CORNER GUARDS
   a. PROVIDE MANUFACTURER'S STANDARD PAPER-COVERED NO. 4 SATIN FINISH, 0.059-INCH (18 GAUGE) MINIMUM, AISI TYPE 304 STAINLESS STEEL SHEET CORNER GUARDS, FULL HEIGHT; TOP OF WALL BASE TO CEILING GRID OR HEIGHT AS INDICATED, MINIMUM 4'-0" AFF. PROVIDE 90-DEGREE TURN, UNLESS OTHERWISE INDICATED, AND FORMED EDGES.
      · WING SIZE: 2 X 2 INCH WITH HUG-EDGE.
      · MOUNTING METHOD: SILICONE BASE TO ADHERE TO 2-SURFACES.
      · CORNER RADIUS: 1/8 INCH.
   b. LOCATION: ANY CORNERS IN BACK OF HOUSE EXPOSED TO IMPACT
2. FRP PANELS
   a. .090" THICK X 4' WIDE "MARLITE FRP", WHITE, CLASS III/C PER ASTM E-84, OR EQUAL USDA ACCEPTED, SEMI-RIGID FIBERGLASS REINFORCED PLASTIC PANELING. CONTACT "MARLITE" IN DOVER, OHIO AT: (216) 343-6621 OR (213) 944-0157 FOR LOCAL SUPPLIER(S).
   b. SUBMIT FULL RANGE OF COLORS FOR APPROVAL.
3. PANEL MOLDINGS
   a. PROVIDE ONE-PIECE MATCHING TRIM AND PANEL MOLDINGS AT ALL JOINTS BETWEEN PANELS, AND AT TOP AND BOTTOM EDGES OF PANELS.
   b. PROVIDE 1 1/4" STAINLESS STEEL OUTSIDE CORNERS.
   c. SUBMIT FULL RANGE OF COLORS FOR APPROVAL.
4. FASTENERS
   a. PROVIDE ALUMINUM, NONMAGNETIC STAINLESS STEEL, OR OTHER NON-CORROSIVE METAL SCREWS, BOLTS, AND OTHER FASTENERS COMPATIBLE WITH COMPONENTS, HARDWARE, ANCHORS, AND OTHER ITEMS BEING FASTENED. USE THEFT-PROOF FASTENERS WHERE EXPOSED TO VIEW. PROVIDE INSERTS AND OTHER ANCHORAGE DEVICES FOR CONNECTING COMPONENTS TO CONCRETE OR MASONRY. FABRICATE ANCHORING DEVICES TO BE CAPABLE OF WITHSTANDING IMPOSED LOADS. COORDINATE ANCHORING DEVICES WITH THE SUPPORTING STRUCTURE.
5. FABRICATION
   a. FABRICATE WALL AND DOOR PROTECTION SYSTEMS TO COMPLY WITH REQUIREMENTS INDICATED FOR DESIGN, DIMENSIONS, DETAILS, FINISH, AND MEMBER SIZES, INCLUDING WALL THICKNESSES OF COMPONENTS. PREASSEMBLE COMPONENTS IN THE SHOP TO THE GREATEST EXTENT POSSIBLE TO MINIMIZE FIELD ASSEMBLY. DISASSEMBLE ONLY AS NECESSARY FOR SHIPPING AND HANDLING. FABRICATE COMPONENTS WITH TIGHT SEAMS AND JOINTS WITH EXPOSED EDGES ROLLED.
   b. PROVIDE SURFACES FREE OF EVIDENCE OF WRINKLING, CHIPPING, UNEVEN COLORATION, DENTS, AND OTHER IMPERFECTIONS. FABRICATE MEMBERS AND FITTINGS TO PRODUCE FLUSH, SMOOTH, AND RIGID HAIRLINE JOINTS.
   c. PROVIDE WALL BRACKETS, FLANGES, MISCELLANEOUS FITTINGS, AND ANCHORS FOR INTERCONNECTION OF MEMBERS TO OTHER CONSTRUCTION. PROVIDE INSERTS AND OTHER ANCHORAGE DEVICES FOR CONNECTING COMPONENTS TO CONCRETE OR MASONRY. FABRICATE ANCHORING DEVICES TO BE CAPABLE OF WITHSTANDING IMPOSED LOADS. COORDINATE ANCHORING DEVICES WITH THE SUPPORTING STRUCTURE.

PART 3 - EXECUTION
1. EXAMINATION
   a. EXAMINE AREAS AND CONDITIONS IN WHICH WALL SURFACE PROTECTION COMPONENTS AND WALL PROTECTION SYSTEMS WILL BE INSTALLED. COMPLETE ALL FINISHING OPERATIONS, INCLUDING PAINTING, BEFORE BEGINNING INSTALLATION OF WALL SURFACE PROTECTION SYSTEM MATERIALS.
2. PREPARATION
   a. PREPARATION: PRIOR TO INSTALLATION, CLEAN SUBSTRATE TO REMOVE DUST, DEBRIS, AND LOOSE PARTICLES.
3. INSTALLATION
   a. INSTALL WALL SURFACE PROTECTION UNITS PLUMB, LEVEL, AND TRUE TO LINE WITHOUT DISTORTIONS. DO NOT USE MATERIALS WITH CHIPS, CRACKS, VOIDS, STAINS, OR OTHER DEFECTS THAT MIGHT BE VISIBLE IN THE FINISHED WORK. INSTALL RETAINERS, MOUNTING BRACKETS, AND OTHER ACCESSORIES IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
   b. INSTALLATION OF FRP PANELING:
      · PREPARATION: ACCLIMATE PANELS IN TEMPERATURE AND HUMIDITY CONDITIONS APPROXIMATING THOSE AT THE PROJECT SITE FOR NOT LESS THAN 24 HOURS BEFORE APPLICATION. LAY PANELS FLAT. DO NOT STACK ON FRESH CONCRETE FLOORS OR OTHER SURFACES THAT EMIT MOISTURE. WALLS MUST BE DRY AND FREE FROM DIRT, DUST AND GREASE. REMOVE SWITCH PLATES, WALL PLATES, AND SURFACE- MOUNTED FIXTURES IN AREAS WHERE PANELS ARE TO BE APPLIED.
   c. PANEL FITTING: POSITION PANELS WITH 1/4" GAP AT CEILING AND FLOOR, AND 1/8' GAP BETWEEN EACH PANEL AND DIVISION BAR OF MOLDINGS TO ALLOW FOR NORMAL EXPANSION AND CONTRACTION. ALLOW NOT LESS THAN 1/8" GAP AROUND PIPES, ELECTRICAL FITTINGS, AND OTHER PROJECTIONS. USE CARBIDE-TIPPED POWER SAWS TO CUT PANELS. PRE-FIT EACH PANEL BEFORE INSTALLING.
   d. INSTALL PANELS BY USING MARLITE # C-375 ADHESIVE (OR MARLITE # C-551 ADHESIVE WHERE SOLVENT VAPORS CANNOT BE ADEQUATELY VENTILATED) TO BACK OF PANELS FOR 100% COVERAGE, WITH A NOTCHED TROWEL. BEFORE ADHESIVE SKINS OVER, SET PANELS IN POSITION AND PRESS AGAINST WALL. PULL ENTIRE PANEL BACK AWAY FROM WALL 8" TO 10" TO FLASH OFF SOLVENTS. PRESS BACK IN PLACE. APPLY ADEQUATE PRESSURE TO MAKE FULL CONTACT BETWEEN PANEL AND WALL.
4. PANEL MOLDINGS:
   a. PROVIDE ONE-PIECE MATCHING TRIM AND PANEL MOLDINGS AT ALL JOINTS BETWEEN PANELS, AND AT TOP AND BOTTOM EDGES OF PANELS. INSTALL MOLDINGS WITH CONTINUOUS BEAD OF SILICONE SEALANT DURING INSTALLATION OF PANELS. SEAL JOINTS BETWEEN MOLDINGS AND BETWEEN MOLDING AND ADJACENT FINISH MATERIAL. REMOVE EXCESS SEALANT IMMEDIATELY.
5. CLEANING
   a. IMMEDIATELY UPON COMPLETION OF INSTALLATION, CLEAN SURFACE PROTECTION UNITS AND ACCESSORIES USING A STANDARD AMMONIA BASED HOUSEHOLD CLEANING AGENT. CLEAN METAL COMPONENTS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
   b. REMOVE SURPLUS MATERIALS, RUBBISH, AND DEBRIS RESULTING FROM INSTALLATION UPON COMPLETION OF WORK AND LEAVE AREAS OF INSTALLATION IN NEAT, CLEAN CONDITION.
   c. REMOVE EXCESS ADHESIVE AND SEALANT WHILE IT IS STILL WET. REPLACE REMOVED PLATES AND FIXTURES. REMOVE SURPLUS MATERIALS AND DEBRIS RESULTING FROM PANEL INSTALLATION UPON COMPLETION OF WORK, AND LEAVE AREAS OF INSTALLATION IN CLEAN CONDITION.

END OF SECTION 10265

TOILET ACCESSORIES - SECTION 10800
PART 1 - GENERAL
SECTION INCLUDES
1. PROVIDE TOILET ACCESSORIES AS INDICATED IN THE DRAWINGS IN ALL TOILETS, AS SPECIFIED HEREIN, AND AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION.
2. COORDINATION
   a. COORDINATE ACCESSORY LOCATIONS, INSTALLATION, AND SEQUENCING WITH OTHER WORK TO AVOID INTERFERENCE WITH AN ENSURE PROPER INSTALLATION, OPERATION, ADJUSTMENT, CLEANING, AND SERVICING OF TOILET ACCESSORY ITEMS.

PART 2 - PRODUCTS
1. FASTENERS
   a. SCREWS, BOLTS, AND OTHER DEVICES OF SAME MATERIAL AS ACCESSORY UNIT, OR OF GALVANIZED STEEL WHERE CONCEALED.

PART 3 - EXECUTION
1. INSTALLATION
   a. INSTALL TOILET ACCESSORY UNITS ACCORDING TO MANUFACTURERS' INSTRUCTIONS, USING FASTENERS APPROPRIATE TO SUBSTRATE AS RECOMMENDED BY UNIT MANUFACTURER. INSTALL UNITS PLUMB AND LEVEL, FIRMLY ANCHORED IN LOCATIONS AND AT HEIGHTS INDICATED.
   b. SECURE MIRRORS TO WALLS IN CONCEALED, TAMPERPROOF MANNER WITH SPECIAL HANGERS, TOGGLE BOLTS, OR SCREWS. SET UNITS PLUMB, LEVEL, AND SQUARE AT LOCATIONS INDICATED, ACCORDING TO MANUFACTURER'S INSTRUCTIONS FOR TYPE OF SUBSTRATE INVOLVED.
   c. INSTALL GRAB BARS TO WITHSTAND A DOWNWARD LOAD OF AT LEAST 250 LB, PER ASTM F 446.
2. ADJUSTING
   a. ADJUST TOILET ACCESSORIES FOR PROPER OPERATION AND VERIFY THAT MECHANISMS FUNCTION SMOOTHLY. REPLACE DAMAGED OR DEFECTIVE ITEMS.
3. CLEANING
   a. CLEAN AND POLISH ALL EXPOSED SURFACES STRICTLY ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AFTER REMOVING TEMPORARY LABELS AND PROTECTIVE COATINGS.

END OF SECTION 10800

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CONSULTANT:

DRAWING SEAL:

LICENSED ARCHITECT
ROBERT J. SARGENTI
No. C-31054
07/31/27
Renewal Date
STATE OF CALIFORNIA

06/23/26

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. RPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS
3	06/08/26	DEVELOPMENT COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

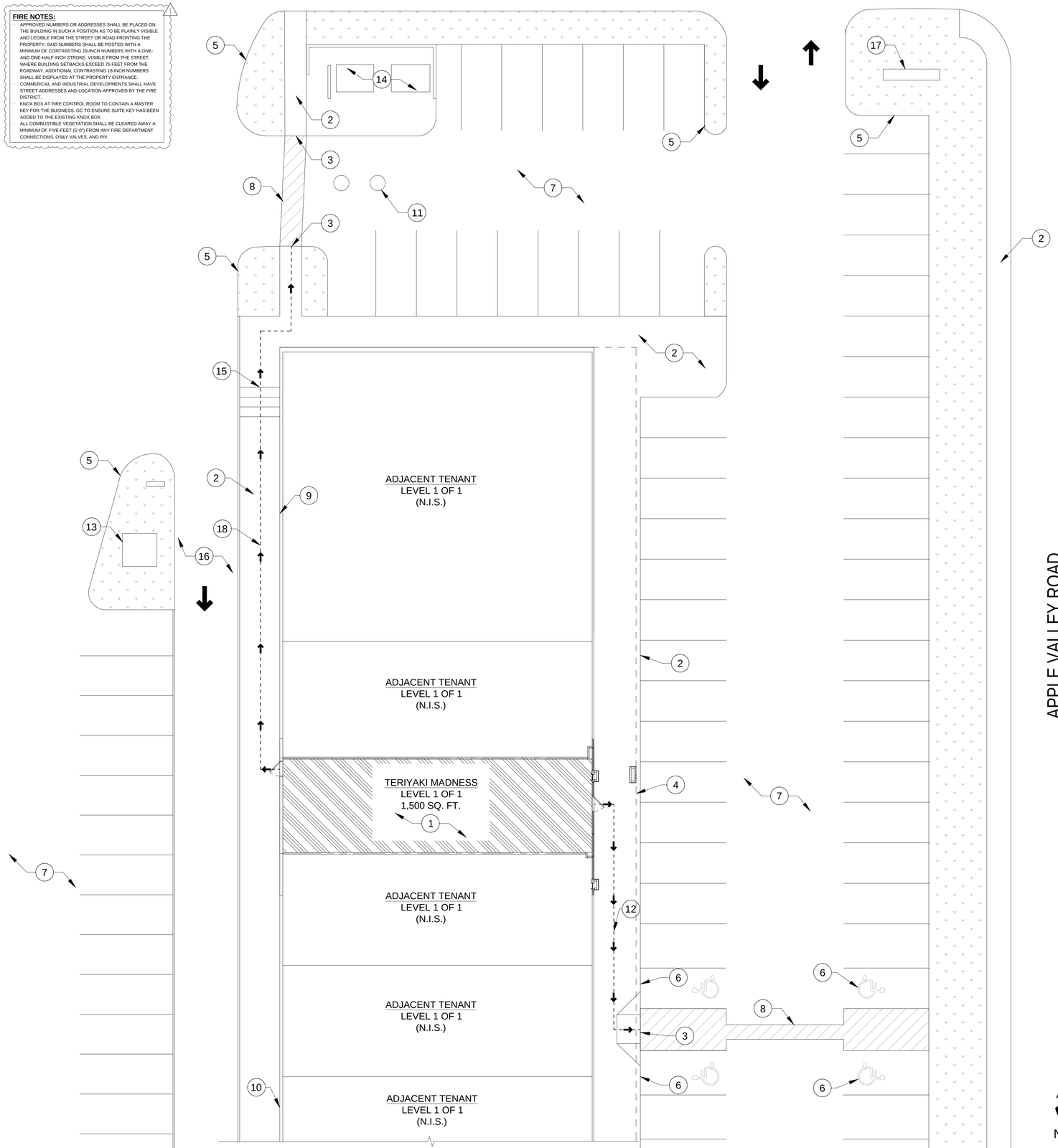
PROJECT INFORMATION:
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AD REVIEWED BY: AE

TITLE:
SPECIFICATIONS

SHEET NUMBER:
G005

FIRE NOTES:

- APPROVED NUMBERS OR ADDRESSES SHALL BE PLACED ON THE BUILDING IN SUCH A POSITION AS TO BE PLAINLY VISIBLE AND LEGIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. SAID NUMBERS SHALL BE POSTED WITH A MINIMUM OF CONTRASTING 18-INCH NUMBERS WITH A ONE- AND ONE-HALF INCH STROKE, VISIBLE FROM THE STREET. WHERE BUILDING SETBACKS EXCEED 75-FEET FROM THE ROADWAY, ADDITIONAL CONTRASTING 18-INCH NUMBERS SHALL BE DISPLAYED AT THE PROPERTY ENTRANCE.
- COMMERCIAL AND INDUSTRIAL DEVELOPMENTS SHALL HAVE STREET ADDRESSES AND LOCATION APPROVED BY THE FIRE DISTRICT.
- KNOX BOX AT FIRE CONTROL ROOM TO CONTAIN A MASTER KEY FOR THE BUSINESS. GC TO ENSURE SUITE KEY HAS BEEN ADDED TO THE EXISTING KNOX BOX.
- ALL COMBUSTIBLE VEGETATION SHALL BE CLEARED AWAY A MINIMUM OF FIVE-FEET (5'-0") FROM ANY FIRE DEPARTMENT CONNECTIONS, OS&Y VALVES, AND PIV.



SITE PLAN (FOR REFERENCE ONLY)

3/32" = 1'-0"

1

LEGEND

LANDSCAPE

LEASED AREA

PATH OF EGRESS

NO PARKING ZONE

CROSSWALK

VEGETATION

KEYED NOTES

#	NOTES
1	TENANT SPACE.
2	SIDEWALKS AND SURROUNDING SITE WORK ARE TO REMAIN AS EXISTING. (N.I.S.)
3	SIDEWALK RAMP FOR ACCESSIBILITY TO REMAIN AS EXISTING. (N.I.S.)
4	ILLUMINATED SIGNAGE BY VENDOR UNDER SEPARATE PERMIT. (N.I.S.)
5	LANDSCAPE AND BED TO REMAIN AS EXISTING. (N.I.S.)
6	ACCESSIBLE PARKING AND SIGNAGE REQUIREMENTS TO REMAIN AS EXISTING. (N.I.S.).
7	PARKING LOT TO REMAIN AS EXISTING. (N.I.S.)
8	CROSSWALK TO REMAIN AS EXISTING. (N.I.S.)
9	LOCATION OF ELECTRICAL METERS TO REMAIN AS EXISTING. (N.I.S.)

KEYED NOTES

#	NOTES
10	LOCATION OF GAS METERS TO REMAIN AS EXISTING. (N.I.S.)
11	EXISTING LOCATION OF EXISTING GREASE INTERCEPTOR FOR TENANT'S USE.
12	ACCESSIBLE PATH OF TRAVEL: 56'-7".
13	LOCATION OF PAD MOUNTED TRANSFORMER TO REMAIN AS EXISTING. (N.I.S.)
14	TRASH ENCLOSURE TO REMAIN AS EXISTING. (N.I.S.)
15	EXISTING STAIRS (N.I.S.)
16	EXISTING DRIVE-THRU (N.I.S.).
17	EXISTING MONUMENT SIGNAGE.
18	ACCESSIBLE PATH OF TRAVEL: 120'-0".

2025 CBC - 11B | CHAPTER 5: GENERAL SITE AND BUILDING ELEMENTS

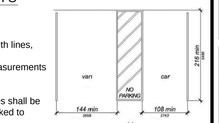
11B-502 PARKING SPACES

11B-502.1 General. Car and van parking spaces shall comply with Section 11B-502. Where parking spaces are marked with lines, width measurements of parking spaces and access aisles shall be made from the centerline of the markings.

Exception: Where parking spaces or access aisles are not adjacent to another parking space or access aisle, measurements shall be permitted to include the full width of the line defining the parking space or access aisle.

11B-502.2 Vehicle spaces. Car and van parking spaces shall be 216 inches (5486 mm) long minimum. Car parking spaces shall be 108 inches (2743 mm) wide minimum and van parking spaces shall be 144 inches (3658 mm) wide minimum, shall be marked to define the width, and shall have an adjacent access aisle complying with Section 11B-502.3.

Exception: Van parking spaces shall be permitted to be 108 inches (2743 mm) wide minimum where the access aisle is 96 inches (2438 mm) wide minimum.



11B-502.3 Access aisle. Access aisles serving parking spaces shall comply with Section 11B-502.3. Access aisles shall adjoin an accessible route. Two parking spaces or one parking space and one electric vehicle charging space shall be permitted to share a common access aisle.

11B-502.3.1 Width. Access aisles serving car and van parking spaces shall be 60 inches (1524 mm) wide minimum.

11B-502.3.2 Length. Access aisles shall extend the full required length of the parking spaces they serve.

11B-502.3.3 Marking. Access aisles shall be marked with a blue painted borderline around their perimeter. The area within the blue borderlines shall be marked with hatched lines a maximum of 36 inches (914 mm) on center in a color contrasting with that of the aisle surface, preferably blue or white. The words "NO PARKING" shall be painted on the surface within each access aisle in white letters a minimum of 12 inches (305 mm) in height and located to be visible from the adjacent vehicular way. Access aisle markings may extend beyond the minimum required length.

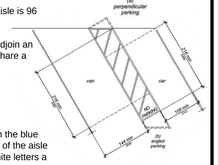


FIGURE 11B-502.2 VEHICLE PARKING SPACES

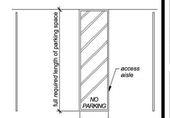
11B-502.3.4 Location. Access aisles shall not overlap the vehicular way. Access aisles shall be permitted to be placed on either side of the parking space except for van parking spaces which shall have access aisles located on the passenger side of the parking spaces.

11B-502.4 Floor or ground surfaces. Parking spaces and access aisles serving them shall comply with Section 11B-302. Access aisles shall be at the same level as the parking spaces they serve. Changes in level, slopes exceeding 1:48, and detectable warnings shall not be permitted.

Exception: Reserved.

11B-502.5 Vertical clearance. Parking spaces, access aisles and vehicular routes serving them shall provide a vertical clearance of 98 inches (2489 mm) minimum.

Exception: In existing multistory parking facilities, car parking spaces, access aisles and vehicular routes serving them shall provide a vertical clearance of 80 inches (2032 mm) minimum. Existing vertical clearance in excess of 80 inches (2032 mm) and less than 98 inches (2489 mm) shall be maintained. This exception shall not apply to van parking spaces, access aisles, or vehicular routes serving them.



11B-502.6 Identification. Parking space identification signs shall include the International Symbol of Accessibility complying with Section 11B-703.7.2.1 in white on a blue background. Signs identifying van parking spaces shall contain additional language or an additional sign with the designation "van accessible." Signs shall be 60 inches (1524 mm) minimum above the finish floor or ground surface measured to the bottom of the sign.

Exception: Signs located within a circulation path shall be a minimum of 80 inches (2032 mm) above the finish floor or ground surface measured to the bottom of the sign.

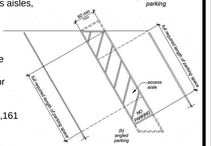


FIGURE 11B-502.3 PARKING SPACE ACCESS AISLE

11B-502.6.1 Finish and size. Parking identification signs shall be reflectorized with a minimum area of 70 square inches (45,161 mm2).

11B-502.6.2 Minimum fine. Additional language or an additional sign below the International Symbol of Accessibility shall state "Minimum Fine $250."

11B-502.6.3 Location. A parking space identification sign shall be visible from each parking space. Signs shall be permanently posted either immediately adjacent to the parking space or within the projected parking space width at the head end of the parking space. Signs may also be permanently posted on a wall at the interior end of the parking space.

11B-502.6.4 Marking. Each accessible car and van space shall have surface identification complying with either Section 11B-502.6.4.1 or 11B-502.6.4.2.

11B-502.6.4.1. The parking space shall be marked with an International Symbol of Accessibility complying with Section 11B-703.7.2.1 in white on a blue background a minimum 36 inches wide by 36 inches high (914 mm by 914 mm). The centerline of the International Symbol of Accessibility shall be a maximum of 6 inches (152 mm) from the centerline of the parking space, its sides parallel to the length of the parking space and its lower corner at, or lower side aligned with, the end of the parking space length.

11B-502.6.4.2. The parking space shall be outlined in blue or painted blue and shall be marked with an International Symbol of Accessibility complying with Section 11B-703.7.2.1 a minimum 36 inches wide by 36 inches high (914 mm by 914 mm) in white or a suitable contrasting color. The centerline of the International Symbol of Accessibility shall be a maximum of 6 inches (152 mm) from the centerline of the parking space, its sides parallel to the length of the parking space and its lower corner at, or lower side aligned with, the end of the parking space.

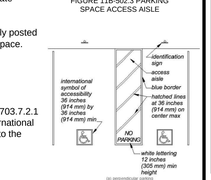


FIGURE 11B-502.3.3 ANGLED AND PERPENDICULAR PARKING IDENTIFICATION

11B-502.7 Relationship to accessible routes. Parking spaces and access aisles shall be designed so that cars and vans, when parked, cannot obstruct the required clear width of adjacent accessible routes.

11B-502.7.1 Arrangement. Parking spaces and access aisles shall be designed so that persons using them are not required to travel behind parking spaces other than to pass behind the parking space in which they parked.

11B-502.7.2 Wheel stops. A curb or wheel stop shall be provided if required to prevent encroachment of vehicles over the required clear width of adjacent accessible routes.

11B-502.8 Additional signs. An additional sign shall be posted either; 1) in a conspicuous place at each entrance to an off-street parking facility or 2) immediately adjacent to on-site accessible parking and visible from each parking space.

11B-502.8.1 Size. The additional sign shall not be less than 17 inches (432 mm) wide by 22 inches (559 mm) high.

11B-502.8.2 Lettering. The additional sign shall clearly state in letters with a minimum height of 1 inch (25 mm) the following:

"Unauthorized vehicles parked in designated accessible spaces not displaying distinguishing placards or special license plates issued for persons with disabilities will be towed away at the owner's expense. Towed vehicles may be reclaimed at _____ or by telephoning _____."

Blank spaces shall be filled in with appropriate information as a permanent part of the sign.

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CONSULTANT:

DRAWING SEAL:

LICENSED ARCHITECT
ROBERT J. SARGENTI
No. C-31054
07/31/27
Renewal Date
STATE OF CALIFORNIA

06/23/26

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS
3	06/08/26	DEVELOPMENT COMMENTS

LOCATION:

TERIYAKI MADNESS

STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25

AREA: 1,297 SQ. FT.

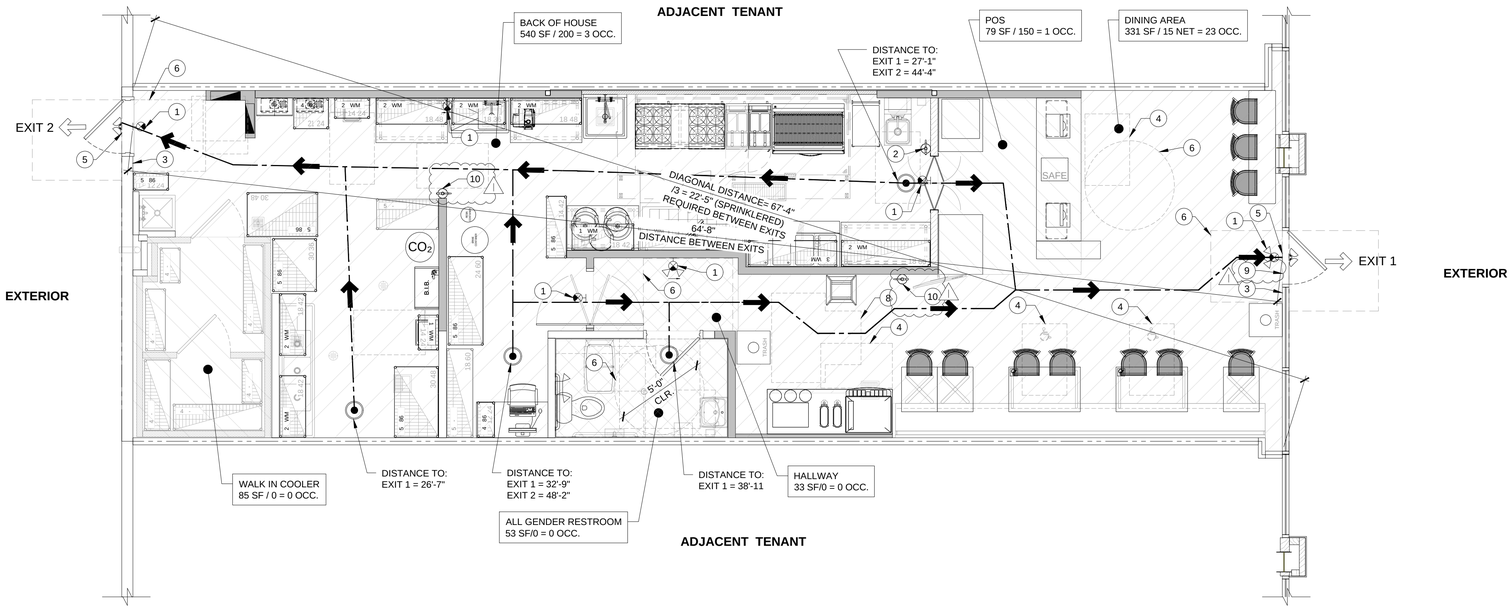
DRAWN BY: MR REVIEWED BY: AD / AE

TITLE:

SITE PLAN
(FOR REFERENCE ONLY)
CBC

SHEET NUMBER:

G006

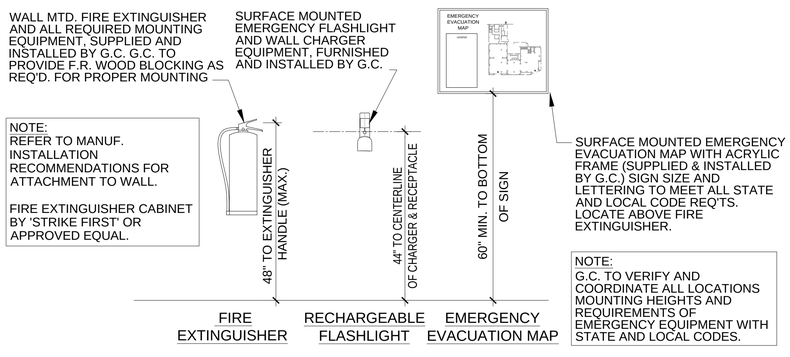


EGRESS AND OCCUPANCY PLAN

1/4" = 1'-0"

1

LIFE SAFETY EQ. MOUNTING HEIGHTS



PLAN LEGEND

	EMERGENCY BUGEYE LIGHT
	DIRECTIONAL EXIT SIGN
	ILLUMINATED EXIT SIGN
	BUGEYE EXIT SIGN
	EGRESS PATH OF TRAVEL
EXIT #	EGRESS EXIT
1	KEYNOTE
	FIRE EXTINGUISHER
	TWO HEAD EXTERIOR EMERGENCY LIGHTING UNIT.

EXIT NOTES

THE PATH OF TRAVEL WIDTH OF 36" MINIMUM SHALL BE MAINTAINED TO ALL ACCESSIBLE AREAS.

CLEAR TURN DIAMETER OF 60" MINIMUM SHALL BE MAINTAINED TO ALL AREAS AS INDICATED IN THESE PLANS.

ANY ABRUPT LEVEL CHANGE ALONG THE PATH OF TRAVEL SHALL NOT EXCEED 1/4". WHERE CHANGE DOES OCCUR THEY SHALL BE BEVELED AT 1:12. LEVEL CHANGE OR 1/4" OR LESS MAY BE VERTICAL.

PROVIDE TACTILE EXIT SIGNS AT EXIT ROUTES, EXIT STAIRS, AND EXITS CENTERED AT 60" ABOVE THE FINISH FLOOR AS FOLLOWS:
- EACH GRADE LEVEL EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN READING "EXIT"

MEANS OF EGRESS FROM THIS SPACE SHALL COMPLY WITH BUILDING CODE, AND ALL OTHER CODES HAVING JURISDICTION.

REFER TO DOOR SCHEDULE.

EVERY ROOM OR SPACE THAT IS AN ASSEMBLY OCCUPANCY SHALL HAVE THE OCCUPANT LOAD OF THE ROOM OR SPACE POSTED IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY FROM THE ROOM OR SPACE. POSTED SIGNS SHALL BE OF AN APPROVED LEGIBLE PERMANENT DESIGN AND SHALL BE MAINTAINED BY THE OWNER OR AUTHORIZED AGENT.

EXIT WIDTH REQUIREMENT

EXIT WIDTH REQUIRED:	27 OCC.	X (.2)		=	5.4"
DOORS PROVIDED:					
EXIT 1	1	@	36"	=	36"
EXIT 2	1	@	36"	=	36"
TOTAL:					72"
TOTAL GREATER THAN REQUIRED?					YES

KEYNOTES

1	ILLUMINATED EXIT SIGN - REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFO.
2	TYPE K FIRE EXTINGUISHER. QUANTITY: 1
3	TACTILE EGRESS SIGNAGE - REFER TO ACCESSIBILITY DETAIL SHEETS.
4	30"X48" CLEAR SPACE INDICATED WHEELCHAIR ACCESSIBLE TABLE.
5	LEVEL LANDING THRESHOLD, 1/2" BEVELED MAX. RISE TO MEET ALL APPLICABLE ADA CODES. REPLACE IF NOT COMPLIMENT.
6	ACCESSIBLE DOOR CLEARANCES.
7	60" DIAMETER CLEAR WHEELCHAIR TURN SPACE.
8	3-POINT TURN SPACE CLEARANCE.
9	SIGNAGE ON CENTER ABOVE ENTRY DOOR STATING "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED." REFER TO ELEV. AND DOOR SCHEDULE.
10	TYPE 2A:10B:C PORTABLE FIRE EXTINGUISHER. QUANTITY: 2

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CONSULTANT:

DRAWING SEAL:

LICENSED ARCHITECT
ROBERT J. SARGENTI
No. C-31054
07/31/27
Renewal Date
STATE OF CALIFORNIA

06/23/26

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS
3	06/08/26	DEVELOPMENT COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 449 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: MR
REVIEWED BY: AD / AE

TITLE:

EGRESS FLOOR PLAN AND OCCUPANCY CALCULATION

SHEET NUMBER:

G007

TERIYAKI MADNESS RESPONSIBILITY NARRATIVE (CURRENT EDITION):

1. THE OWNER HAS ELECTED TO PROVIDE, OR CAUSE OTHERS TO PROVIDE, CERTAIN MATERIALS NECESSARY FOR THE CONSTRUCTION OF THIS PROJECT. GENERAL CONTRACTOR (GC) SHALL INCLUDE COSTS FOR ALL LABOR TO UNLOAD MATERIALS AND EQUIPMENT PURCHASED DIRECTLY BY THE OWNER AND DELIVERED TO THE JOBSITE, AS WELL AS, VERIFYING QUANTITIES DELIVERED. DELIVERY DEFICIENCIES MUST BE NOTED AND IMMEDIATELY FORWARDED TO THE OWNER. THE GC WILL BE RESPONSIBLE FOR COORDINATING THE REPLACEMENT OR ADDITION OF DEFICIENCIES. ANY ITEMS NOT ON THE DEFICIENCY LIST AND LATER FOUND TO BE MISSING WILL BE CHARGED TO THE GC.
2. KITCHEN EQUIPMENT: ALL KITCHEN EQUIPMENT, EXHAUST SYSTEM, REFRIGERATION EQUIPMENT, AND SMALLWARES WILL BE PROVIDED BY OTHERS.
   a. KITCHEN EQUIPMENT WILL BE SHIPPED COMMON CARRIER, FREIGHT GROUND DELIVERY. FREIGHT MUST BE UNCRATED, ASSEMBLED, AND MOVED INTO PLACE BY OTHERS.
   b. GC WILL PROVIDE BLOCKING AT SHELVING.
   c. GC TO PROVIDE:
      - FINAL CONNECTIONS OF ALL UTILITIES TO EQUIPMENT.
      - INSTALLATION OF SOAP DISPENSERS, PAPER TOWEL HOLDERS, ETC.
      - CODE COMPLIANCE WHEN CONNECTING ALL EQUIPMENT, INCLUDING BUT NOT LIMITED TO; BACKFLOW PREVENTERS OR VACUUM BREAKERS, SIZE OF AIR GAPS ON INDIRECT WASTES, ETC.
   d. GC WILL COORDINATE, RECEIVE, AND INSTALL EXHAUST HOOD, MAKE UP AIR, ALL ASSOCIATED FANS.
      - FINAL HOOK UP OF ELECTRICAL, PLUMBING, AND MECHANICAL WILL BY GC'S SUBCONTRACTORS.
      - ANSUL HOOK UP BY OTHERS UNDER SEPARATE CONTRACT.
   e. GC IS RESPONSIBLE FOR COORDINATING AND RECEIVING OF THE WALK-IN COOLER AND ALL OF ITS COMPONENTS, AS WELL AS,
      - WALK-IN COOLER PANEL ERECTING BY GC.
      - REFRIGERATION PERMITTING, INSTALLATION, AND ACTIVATION BY GC.
      - FINAL HOOK UP OF ELECTRICAL AND PLUMBING COMPONENTS BY GC'S PLUMBER AND ELECTRICIAN.
3. SIGNAGE AND AWNINGS: SIGNAGE AND AWNINGS WILL BE PROVIDED AND INSTALLED BY OTHERS UNDER A SEPARATE CONTRACT.
   a. GC IS RESPONSIBLE FOR PROVIDING THE PROPER STRUCTURE, BLOCKING, ELECTRICAL ROUGH-INS AND COORDINATING INSTALLATION.
   b. FINAL ELECTRICAL HOOK UP WILL BE PERFORMED BY GC's ELECTRICAL CONTRACTOR.
4. INTERIOR SIGNAGE, ARTWORK PACKAGE, AND FIRE EXTINGUISHERS:
   a. ALL INTERIOR SIGNAGE AND ARTWORK WILL BE PROVIDED AND INSTALLED BY GC.
   b. FIRE EXTINGUISHERS WILL BE SUPPLIED AND INSTALLED BY GC.
5. MILLWORK: THE MILLWORK PACKAGE SHALL BE PROVIDED BY OTHERS AND INSTALLED BY GC AND WILL INCLUDE COUNTER TOPS, CABINETS, WAINSCOTING, AND MISCELLANEOUS PIECES ON A JOB-BY-JOB BASIS.
   a. GC IS RESPONSIBLE FOR COORDINATING DELIVERY AND UNLOADING ALL MILLWORK TO ENSURE THAT A COMPLETE PACKAGE ARRIVES IN A TIMELY MANNER.
   b. GC IS RESPONSIBLE FOR INSTALLATION OF ALL MILLWORK AND IS RESPONSIBLE FOR PROVIDING ANY BLOCKING OR OTHER BACK-UP REQUIRED FOR A WORKMAN-LIKE INSTALLATION.
6. CHAIRS AND TABLE BASES: CHAIRS, TABLES AND STOOLS WILL BE PROVIDED BY OTHERS AND ASSEMBLED AND INSTALLED BY GC.
   a. GC IS RESPONSIBLE FOR RECEIVING AND ARRANGING ALL PIECES PER THE PLANS.
7. SECURITY SYSTEM: THE SECURITY SYSTEM WILL BE PROVIDED AND INSTALLED BY OTHERS UNDER A SEPARATE CONTRACT.
   a. GC WILL COORDINATE INSTALLATION AND PROVIDE POWER FOR THE SYSTEM.
8. SOUND SYSTEM: THE SOUND SYSTEM WILL BE PROVIDED BY OWNER AND INSTALLED BY GC.
   a. GC WILL COORDINATE INSTALLATION AND PROVIDE POWER FOR THE SYSTEM.
9. POINT OF SALE SYSTEM (POS): THE POS SYSTEM WILL BE PROVIDED AND INSTALLED BY OTHERS UNDER A SEPARATE CONTRACT.
   a. GC WILL PROVIDE AND INSTALL CONDUIT, JUNCTION BOXES, MUD RINGS, AND COORDINATE INSTALLATION WITH THE POS SUPPLIER.
   b. CABLING TO BE PULLED AND TERMINATED BY GC.
10. SAFE: THE SAFE WILL BE PROVIDED BY OWNER AND INSTALLED BY GC.
    a. GC WILL COORDINATE INSTALLATION.
11. MENU BOARDS AND ARTWORK: MENU BOARDS, OPEN SIGN, AND OTHER ARTWORK WILL BE PROVIDED BY OTHERS AND INSTALLED BY GC. PROVIDE ELECTRICAL ROUGH-INS AS NEEDED.
12. SODA FOUNTAIN: A SODA POST-MIX BAG-IN-BOX SYSTEM WILL BE PROVIDED AND INSTALLED BY OTHERS UNDER A SEPARATE CONTRACT.
    a. OWNER TO PROVIDE CO2 INSTALL AND CALIBRATION PRIOR SODA INSTALL.
    b. GC WILL PROVIDE SUFFICIENT NOTIFICATION OF SITE READY DATE TO RECEIVE SODA EQUIPMENT.
    c. GC WILL PROVIDE ALL ROUGH-INS FOR THE SYSTEM INCLUDING A DRAIN, SLEEVES FOR THE MIX LINES (IF NEEDED), AND POWER FOR THE SYSTEM.
13. PHONE: PHONE WILL BE PROVIDED AND INSTALLED BY OTHERS.
14. DATA LINES WILL BE PROVIDED AND INSTALLED BY GC.
    a. GC WILL PROVIDE APPROPRIATE CONDUIT, BOXES, MUD RINGS, AND PHONE BOARD FOR ALL THE NECESSARY LINES AND COORDINATION OF INSTALLATION.
    b. CABLING TO BE PULLED AND TERMINATED BY GC.
    c. GC TO PROVIDE AND INSTALL LOW VOLTAGE WIRING FOR EXHAUST HOOD.
15. LOCKS: GC TO REKEY LOCKS AND PROVIDE KEYS AT TURNOVER.
16. LIGHTING: ALL INTERIOR/EXTERIOR LIGHTING FIXTURES SHALL BE PROVIDED BY OTHERS.
    a. GC IS RESPONSIBLE FOR ACCEPTING DELIVERY, NOTING ANY DEFICIENCIES. ELECTRICAL CONTRACTOR TO INSTALL PER PLANS.
17. MISCELLANEOUS: GC WILL SCHEDULE LABOR FOR MISCELLANEOUS HANGING OF OPERATIONAL ITEMS PRIOR TO OPENING. THIS WILL BE SCHEDULED BY OWNER'S OPERATIONS GROUP PRIOR TO OPENING.
18. PARKING LOT; SIDEWALKS; PAVED AND READY TO ACCOMMODATE STANDARD CASTER MOVING DOLLIES AND STANDARD LIFT GATE DELIVERY OF EQUIPMENT WITHOUT USE OF FORKLIFT OR OTHER SPECIAL EQUIPMENT.
    a. INTERIOR FLOORING OR SLAB POURED AND SET FROM EQUIPMENT ENTRANCE POINT TO FINAL FINISHED INSTALLATION POINT.
    b. START UPS PRIOR TO RETURN-TO-OPERATIONS DATE.
    c. MUST PROVIDE FULL 24-HOUR NOTICE OF READY TO START EQUIPMENT.
    d. ALL UTILITY CONNECTIONS MUST BE COMPLETE TO INCLUDE: GAS; WATER; DRAINS; ELECTRICAL; VENT.
    e. ALL UTILITIES MUST BE ON AND FUNCTIONAL TO EQUIPMENT FINAL CONNECTION POINT.
    f. IF ANY OF THE ABOVE CONDITIONS ARE NOT MET GC IS RESPONSIBLE FOR ALL COSTS INCURRED BY MANUFACTURER OR THE INSTALLER INCLUDING BUT NOT LIMITED TO SPECIAL EQUIPMENT RENTAL; RETURN TRIPS; EXTRA MAN HOURS REQUIRED FOR WAITING OR HELPING TO CORRECT SITE READINESS OR UTILITY ISSUES.
19. GC IS ALSO RESPONSIBLE FOR:
    a. PROVISION AND INSTALLATION OF STAINLESS-STEEL CLOSURE STRIPS (WALK-IN COOLER-TO-WALL, ETC.).
    b. PROVISION AND INSTALLATION OF ALL DUCTWORK (FANS PROVIDED BY OTHERS, HOWEVER ANY REMOTE EXHAUST FANS OR SPECIAL SITUATION DUCTWORK TO BE PROVIDED/INSTALLED BY GC).
    c. MAKING FINAL CONNECTIONS FOR EQUIPMENT.
    d. IF EQUIPMENT MUST BE ASSEMBLED AND LEFT AWAY FROM FINAL POSITION AT THE REQUEST OF THE GC OR OWNER FOR ANY REASON ADDITIONAL LABOR COSTS WILL BE INVOICED TO SAID PARTY.
20. RESTROOM ACCESSORIES: ALL RESTROOM ACCESSORY INSTALLATION WILL BE COORDINATED BY GC AND PROVIDED AS FOLLOWS:
    a. TOILET SEAT COVER DISPENSER; PROVIDED BY GC.
    b. PAPER TOWEL DISPENSER; PROVIDED BY OTHERS.
    c. SOAP DISPENSER; PROVIDED BY OTHERS.
    d. TOILET PAPER DISPENSER; PROVIDED BY OTHERS.
    e. SANITARY NAPKIN DISPOSAL; PROVIDED BY OTHERS.
    f. 36" GRAB BAR; PROVIDED BY GC.
    g. 42" GRAB BAR AND 18" VERTICAL GRAB BAR; PROVIDED BY GC.
    h. 24" X 36" MIRROR; PROVIDED BY GC.
    i. DIAPER CHANGING STATION; PROVIDED BY OTHERS.
    j. COAT HOOK; PROVIDED BY OTHERS.
    k. TOILET STALLS PARTITION; PROVIDED BY GC.
21. CONTRACTOR REQUIREMENTS:
    a. GC's ON-SITE OFFICE (TRAILER OR INTERIOR SPACE) IS TO BE EQUIPPED WITH CELL COVERAGE AND INTERNET ACCESS.
    b. GC WILL VERIFY THAT APPLICATIONS FOR PERMANENT ELECTRICAL SERVICE HAVE BEEN MADE, VERIFY THAT ALL APPLICATION FEES HAVE BEEN PAID AND VERIFY INSTALLATION DATES UPON CONTRACT EXECUTION.
    c. GC IS RESPONSIBLE FOR ALL TEMPORARY UTILITY SERVICE(S) REQUIRED TO CONSTRUCT THE PROJECT.
    d. GC IS RESPONSIBLE FOR ENSURING THAT ALL LANDLORD PROPERTY IS LEFT IN "AS FOUND" CONDITION.
    e. GC WILL COORDINATE AND OBTAIN ALL LOCAL JURISDICTION INSPECTIONS, INCLUDING HEALTH DEPARTMENT AND ANY PRE-CONSTRUCTION INSPECTIONS.
22. COOLER:
    a. OWNER TO PROVIDE IN EQUIPMENT PACKAGING, GC TO INSTALL PER MANUFACTURER INSTRUCTIONS AND CALIBRATE.
23. HOOD:
    a. OWNER TO PROVIDE IN EQUIPMENT PACKAGE, GC TO INSTALL PER MANUFACTURER INSTRUCTIONS AND CALIBRATE.

END OF NARRATIVE.

RESPONSIBILITY SCHEDULE

NOTES: "F" = FURNISH ONLY, "I" = INSTALL, F&I = FURNISH AND INSTALL, C = COORDINATE WITH INSTALLER, PROVIDE ROUGH-INS AND FINAL CONNECTIONS PER PLANS.

			DIVISION & SCOPE	N/A	LL	OWNER	G.C.	COMMENTS
01 GENERAL REQUIREMENTS								
1			PLANING AND ZONING	X				N/A
2			BUILDING PERMITS			F		TERIYAKI MADNESS ARCHITECT TO PROCURE MAIN BUILDING AND HEALTH PERMITS. G.C. TO PICKUP PERMITS AND PAY FOR ALL REQUIRED INDIVIDUAL TRADE PERMITS. "O" OWNERS EQUIPMENT VENDOR IS RESPONSIBLE FOR INDIVIDUAL PERMITS ASSOCIATED WITH COOLERS AND HOODS. SUBCONTRACTORS TO SECURE THEIR OWN PERMITS AS REQUIRED.
	A		PLAN CHECK FEES			F		AS REQUIRED.
	B		INSPECTIONS				F	AS REQUIRED BY ALL LOCAL AUTHORITIES HAVING JURISDICTION, G.C. TO COORDINATE AND ORDER ALL REQUIRED INSPECTIONS. G.C. IS RESPONSIBLE FOR OBTAINING A "C OF O" BY DATE INDICATED IN THE CONTRACT.
3			TEMPORARY UTILITIES				F&I	
4			CLEAN UP - FINAL				F	DAILY CLEANING W / FINAL CLEAN UP OF ALL WALLS, FLOORS, EXPOSED STRUCTURE, LIGHT FIXTURES, GLASS, KITCHEN EQUIPMENT, ETC PRIOR TO TURNOVER.
5			PROJECT SUPERVISION				F	FULLTIME ON-SITE SUPERVISION.
6			INSURANCE				F	AS REQ'D BY LANDLORD, DEVELOPER AND TERIYAKI MADNESS - G.C. TO FURNISH GENERAL LIABILITY, AUTO, WORKERS COMP AND BUILDER'S RISK AS REQ'D.
7			FLOOR PROTECTION				F&I	PROTECTION FOR FLOORING FINISHES AFTER INSTALLATION.
8			CLOSEOUT PACKAGES				F	PROVIDE C OF O AND C OF C, TWO COPIES OF AS-BUILTS, OPERATIONAL MANUALS, WARRANTIES AND FINAL LIEN WAIVERS.
9			INSECT AND PEST CONTROL				F&I	G.C. TO PROVIDE AND INSTALL PEST PREVENTION FOR IMMEDIATE SURROUNDINGS.
02 SITE WORK								
1			SITE EXTRACTION	X				N/A.
2			SITE UTILITIES		X		C	G.C. TO CONNECT TO LANDLORD PROVIDED UTILITIES AS INDICATED ON PLAN.
3			LANDSCAPE	X			C	N/A.
4			GAS SERVICE AND MANIFOLD		X		C	EXISTING TO REMAIN, IF APPLICABLE.
5			ELECTRICAL SERVICE AND METER		X		C	EXISTING TO REMAIN, IF APPLICABLE.
03 CONCRETE WORK								
1			CONCRETE SLAB / LEVELING / FLOOR PREP				F&I	G.C. TO TRENCH, PATCH AND REPAIR EXISTING SLAB AND ADD NEW CONCRETE SLAB INFILL AS REQUIRED TO ACCOMPLISH NEW WORK.
2			CONCRETE PADS, WALKS AND PATIOS	X			F&I	N/A.
3			CONCRETE SEALER	X			F&I	N/A.
04 MASONRY								
1			UNIT MASONRY				F&I	AS PER ARCHITECTURAL PLANS.
2			MORTAR AND MASONRY GROUT				F&I	AS PER ARCHITECTURAL PLANS.
05 METAL FABRICATION								
1			STRUCTURAL STEEL				F&I	AS REQUIRED TO COMPLETE THE PROJECT PER PLANS.
2			METAL DECKING				F&I, C	AS REQUIRED TO COMPLETE THE PROJECT PER PLANS.
3			MISCELLANEOUS METAL				F&I	AS REQUIRED TO COMPLETE THE PROJECT PER PLANS.
4			METAL STUDS				F&I	
	A		DEMISING WALLS		X		F&I, C	EXISTING TO REMAIN, MODIFY AS REQUIRED TO ACCOMPLISH NEW WORK.
	B		INTERIOR WALLS, BULKHEADS, AND SOFFITS				F&I	20 GAUGE METAL STUDS AT 16" O.C. PER PLAN DESIGNATION.
	C		METAL FURRING				F&I	AS INDICATED ON ARCHITECTURAL PLANS.
5	A		STAINLESS STEEL				F&I	G.C. TO F AND I STAINLESS KITCHEN WALL CORNER GUARDS AND CAPS.
	B		STAINLESS STEEL				F&I	G.C. TO F AND I STS WALL CLADDING AT EXHAUST HOOD. STS PANEL TO EXTEND FROM FLOOR UP TO LAY-IN CEILING AND 18" BEYOND HOOD IN EITHER DIRECTION.
6			METAL WALL POSTS				F&I	AT NEW PARTIAL HEIGHT WALLS. REFER TO ARCHITECTURAL PLANS.
7			WALL STANDARDS				F&I	HEAVY DUTY WALL STANDARDS AND SHELF BRACKETS.
06 WOOD AND PLASTICS								
1			WALL BLOCKING				F&I	FIRE RETARDANT AS REQUIRED. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
2			PLYWOOD				F&I	REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION FIRE RETARDANT WITHIN WALL CAVITIES FOR BLOCKING. MARINE GRADE FOR EXTERIOR APPLICATIONS.
3			FRP WALL PANELS				F&I	FIBERGLASS REINFORCED PANELS SMOOTH CLEANABLE SURFACE.
4			ARCHITECTURAL MILLWORK			F	I	TO BE PROVIDED BY MILLWORK VENDORS.
	A		FRONT ORDER COUNTER (POS)			F	I	REFER TO ARCHITECTURAL AND MILLWORK DRAWINGS FOR ADDITIONAL INFORMATION.
	B		BEVERAGE COUNTER			F	I	REFER TO ARCHITECTURAL AND MILLWORK DRAWINGS FOR ADDITIONAL INFORMATION.
	C		CUSTOM HIGH TOP			F	I	REFER TO ARCHITECTURAL AND MILLWORK DRAWINGS FOR ADDITIONAL INFORMATION.
	D		MANAGERS DESK AND SHELVES			F	I	REFER TO ARCHITECTURAL AND MILLWORK DRAWINGS FOR ADDITIONAL INFORMATION.
	E		COUNTERTOPS			F	I	REFER TO ARCHITECTURAL AND MILLWORK DRAWINGS FOR ADDITIONAL INFORMATION.
07 THERMAL MOISTURE								
1			INSULATION				F&I	AS INDICATED ON ARCHITECTURAL DRAWINGS, INCLUDING WALLS AND ROOF.
2			MEMBRANE ROOFING AND FLASHING				F&I, C	AS REQUIRED TO SEAL NEW ROOF PENETRATIONS. G.C. TO USE LL ROOFING CONTRACTOR TO MAINTAIN ALL EXISTING WARRANTIES.
3			SEALANTS				F&I	AS REQUIRED BUT NOT LIMITED TO BUILDING EXTERIOR, KITCHEN AND DINING EQUIPMENT, MILLWORK, TRIM, BASE, TILE.
4			EIFS				F&I	PATCH AND REPAIR EXISTING PER MANUFACTURER'S DETAILS AND SPECIFICATIONS.
5			AIR AND VAPOR BARRIERS				F&I	NORTHERN CLIMATE OPTION FOR POLY VAPOR BARRIER ON INSIDE OF WALLS.
6			WATERPROOF MEMBRANE				F&I	INSTALL MEMBRANE IN WET LOCATIONS, AS INDICATED ON ARCHITECTURAL DRAWINGS.
08 OPENINGS								
1			DOORS AND FRAMES				F&I, C	AS INDICATED ON ARCHITECRUAL PLANS.
2			ALUMINUM STOREFRONT AND DOORS		X		F&I, C	EXISTING TO REMAIN, IF APPLICABLE.
3			DOOR HARDWARE				F&I	AS INDICATED ON ARCHITECRUAL PLANS.
4			GLAZING				F&I, C	N/A.
5			RESTROOM SIGNAGE				F&I	TERIYAKI MADNESS VENDOR TO PROVIDE, GC TO INSTALL AS REQUIRED BY LOCAL CODES.
09 FINISHES								
1			WALL					
	A		GYPSUM WALLBOARD				F&I	5/8" TYPE "X" - PROVIDE LEVEL 4 FINISH. REFER TO ARCHITECTURAL DRAWINGS FOR WALL TYPES AND HEIGHTS.
	B		WATER RESISTANT GYPSUM WALLBOARD				F&I	5/8" IN ALL WET LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS.
	C		CEMENTITOUS / CEMENT BACKER BOARD				F&I	AS REQUIRED BEHIND HOOD AND AT BOTTOM 12" OF ALL WALLS WITH TILE BASE. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
	D		PAINT				F&I	AS INDICATED ON ARCHITECTURAL PLANS.
	E		CERAMIC TILE				F&I	AS INDICATED ON ARCHITECTURAL PLANS.
	F		FAUX STONE VENEER				F&I	AS INDICATED ON ARCHITECTURAL PLANS.
2			FLOORING					
	A		TILE (QUARRY AND PORCELAIN)				F&I	AS INDICATED ON ARCHITECTURAL PLANS.
	B		CONCRETE STAIN SEALER	X				N/A.
	C		TRANSITION STRIPS				F&I	AS INDICATED ON ARCHITECTURAL PLANS.
	D		GROUT (SANDED AND UNSANDED)				F&I	AS INDICATED ON ARCHITECTURAL PLANS.
3			BASE					
	A		TILE COVE BASE				F&I	AS INDICATED ON ARCHITECTURAL PLANS.
	B		RUBBER COVE BASE				F&I	AS INDICATED ON ARCHITECTURAL PLANS.
4			CEILING					
	A		GYPSUM WALLBOARD				F&I	5/8" TYPE 'X' - PROVIDE LEVEL 4 FINISH. REFER TO ARCHITECTURAL DRAWINGS FOR INSTALLATION HEIGHTS.
	B		PAINT				F&I	AS INDICATED ON ARCHITECTURAL PLANS.
	C		LAY-IN CEILING TILE / GRID				F&I	AS INDICATED ON ARCHITECTURAL PLANS.
10 SPECIALTIES								
1			TOILET ROOM ACCESSORIES				F&I	AS INDICATED ON ARCHITECTURAL PLANS. G.C. TO PROVIDE AND INSTALL BLOCKING AS REQUIRED, INCLUDING MIRRORS, GRAB BARS, COAT HOOKS, AND SANITARY NAPKINS.

RESPONSIBILITY SCHEDULE

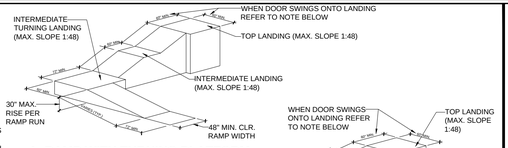
NOTES: "F" = FURNISH ONLY, "I" = INSTALL, F&I = FURNISH AND INSTALL, C = COORDINATE WITH INSTALLER, PROVIDE ROUGH-INS AND FINAL CONNECTIONS PER PLANS.

		DIVISION & SCOPE	N/A	LL	OWNER	G.C.	COMMENTS
2		INSTRUCTIONAL SIGNAGE				F&I	MISCELLANEOUS SIGNAGE REQUIRED BY LOCAL CODES AND LANDLORD REQUIREMENTS INCLUDING BUT NOT LIMITED TO RESTROOM, OCCUPANCY, BUILDING ADDRESS, SUITE NUMBERS, ETC.
3		FIRE EXTINGUISHERS				F&I	LOCATED PER FIRE MARSHAL'S REQUIREMENTS; 2MIN REQUIRED- 1 ABC AND 1K.
4		WALL GRAPHICS			F	I	PER PLANS.
5		KNOXBOX				F&I	PER LOCAL FIRE MARSHALL.
11 EQUIPMENT							
1		MENU BOARDS			F	I	TERIYAKI MADNESS VENDOR TO PROVIDE -0- G.C. TO INSTALL FIRE RETARDANTBLOCKING. REFER TO DRAWINGS AND COORDINATE WITH TERIYAKI MADNESS VENDOR.
2		POS EQUIPMENT			F	C	G.C. TO COORDINATE WITH TERIYAKI MADNESS VENDOR FOR INSTALLATION REQUIREMENTS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
3		KITCHEN EQUIPMENT (INCLUDING COOLERS)			F	I, C	TERIYAKI MADNESS VENDOR TO PROVIDE AND INSTALL EQUIPMENT. GC TO PROVIDE POWER, GAS AND WATER AS INDICATED ON DRAWINGS AND MAKE FINAL CONNECTIONS. G.C. TO ERECT BOX AND COORDINATE WITH REFRIGERATION SUB, ELECTRICIAN, AND PLUMBER FOR FINAL CONNECTIONS / STARTUP.
4		EXHAUST HOOD			F	I, C	HOOD AND VENT INSTALLATION. GC TO FURNISH EXHAUST DUCTS, INSTALLATION, AND MAKE UP AIR DUCTS.
5		AUDIO / VISUAL EQUIPMENT			F	I, C	GC RESPONSIBLE FOR FIRE RETARDANT BLOCKING AND ELECTRICAL / DATA.
6		ICE MACHINE			F	I, C	KEC TO PROVIDE, GC TO SET ON TOP OF POST MIX UNIT AND MAKE FINAL CONNECTIONS.
12 FURNISHINGS							
1		SHELVING			F	I, C	TERIYAKI MADNESS VENDOR TO PROVIDE. GC TO INSTALL AS INDICATED ON ARCHITECTURAL PLANS.
2		DINING ROOM SEATING, TABLES AND BOOTHS			F	I, C	TERIYAKI MADNESS VENDOR TO PROVIDE. GC TO INSTALL AS INDICATED ON ARCHITECTURAL PLANS.
3		SAFE			F	I, C	TERIYAKI MADNESS VENDOR TO PROVIDE. GC TO INSTALL AS INDICATED ON ARCHITECTURAL PLANS.
4		PATIO SEATING, TABLES AND UMBRELLAS, IF APPLICABLE			F	I, C	TERIYAKI MADNESS VENDOR TO PROVIDE. GC TO INSTALL AS INDICATED ON ARCHITECTURAL PLANS.
13 SPECIAL CONSTRUCTION							
1		N/A.	X				N/A.
14 CONVEYING SYSTEMS							
1		N/A.	X				N/A.
15 FIRE SUPPRESSION							
1		ANSUL SYSTEM			F	I, C	TERIYAKI MADNESS VENDOR TO PROVIDE AND INSTALL.
2		SPRINKLER SYSTEM				F&I	TO BE DESIGNED / BUILD BY GC'S SUBCONTRACTOR; CONTRACTOR TO APPLY AND PAY FOR ALL REQUIRED PERMITS.
16 PLUMBING							
1		WATER				F&I	G.C. TO CONNECT TO EXISTING BUILDING SYSTEM- REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION. COORDINATE WITH LOCAL UTILITIES.
2		WASTE				F&I	G.C. TO CONNECT TO EXISTING BUILDING SYSTEM- REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION. COORDINATE WITH LOCAL UTILITIES.
3		VENT				F&I	AS INDICATED ON PLUMBING PLANS AND SPECIFICATIONS.
4		CONDENSATE PIPING				F&I	PROVIDE LINES IN WALK-IN BOXES- INSULATION IN ALL WALK-IN BOXES. HEAT TAPE REQUIRED.
5		FLOOR DRAINS AND FLOOR SINKS				F&I	AS INDICATED ON PLUMBING AND ARCHITECTURAL PLAN. INSTALL WITH 1/4" PER 12" PITCH OF FLOOR IN OPEN AREAS- ELEVATION TO MATCH FINISHED FLOOR UNDER ALL EQUIPMENT.
6		MODIFICATION OF EXISTING SYSTEM				F&I	G.C. TO MAKE PROPER MODIFICATIONS AS REQUIRED TO EXISTING SYSTEM AND SYSTEM COMPONENTS PER DRAWINGS.
7		WATER HEATER				F&I	AS INDICATED ON PLUMBING PLANS.
8		CIRCULATION PUMP				F&I	AS INDICATED ON PLUMBING PLANS. TIMER ON CIRCULATION PUMP ONLY RUN DURING OPERATIONS HOURS.
9		KITCHEN EQUIPMENT			F	I, C	G.C. TO MAKE ROUGH-IN AND FINAL CONNECTIONS. REFER TO PLANS FOR FULL RESPONSIBILITIES.
10		WATER SOFTENER			F	I, C	TERIYAKI MADNESS VENDOR TO PROVIDE-0- G.C. TO INSTALL AS INDICATED ON ARCHITECTURAL PLANS.
11		TOILET ROOM FIXTURES				F&I	AS INDICATED ON PLUMBING PLANS.
12		GAS SUPPLY SYSTEM				F&I, C	G.C. TO CONNECT TO EXISTING BUILDING SYSTEM- REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION. COORDINATE WITH LOCAL UTILITIES.
13		REFRIGERATION PERMIT				F&I, C	ALL PERMITTING FOR COOLER REFRIGERATION BY GC.
14		MOP SINK & FAUCET				F&I, C	
17 HVAC							
1		RTU EQUIPMENT				F&I, C	AS INDICATED ON MECHANICAL PLANS.
2		DUCT WORK				F&I	AS INDICATED ON MECHANICAL PLANS.
3		SUPPLY & RETURN AIR REGISTERS (DIFFUSERS)				F&I	AS INDICATED ON MECHANICAL PLANS.
4		TEMPERATURE CONTROLS				F&I	AS INDICATED ON MECHANICAL PLANS.
5		SMOKE DETECTORS				F&I	AS INDICATED ON MECHANICAL PLANS.
6		AIR BALANCE				F&I	AS INDICATED ON MECHANICAL PLANS; TO BE DONE BY AND INDEPENDANT MECHANICAL CONTRACTOR PROVIDED BY G.C.
7		TOILET EXHAUST				F&I	AS INDICATED ON MECHANICAL PLANS.
8		MODIFICATION OF EXISITNG SYSTEM				F&I, C	G.C. TO MAKE PROPER MODIFICATIONS AS REQUIRED TO EXISTING SYSTEM AND SYSTEM COMPONENTS PER DRAWINGS.
18 INTEGRATED AUTOMATION							
1		N/A	X				N/A.
19 ELECTRICAL							
1		SERVICE				F&I, C	SERVICE SIZE OF EXISTING AS INDICATED ON ELECTRICAL PLANS. COORDINATE WITH LOCAL UTILITIES.
2		DISTRIBUTION SYSTEM				F&I, C	AS INDICATED ON ELECTRICAL PLANS AND SPECIFICATIONS.
3		PANELS / TRANSFORMERS				F&I, C	AS INDICATED ON ELECTRICAL PLANS AND SPECIFICATIONS.
4		LIGHT FIXTURES AND LAMP				F&I	AS INDICATED ON ELECTRICAL PLANS AND SPECIFICATIONS.
5		MODIFICATION OF EXISTING SYSTEM				F&I, C	AS INDICATED ON ELECTRICAL PLANS AND SPECIFICATIONS.
6		LIGHTING CONTROLS				F&I	AS INDICATED ON ELECTRICAL PLANS AND SPECIFICATIONS.
7		KITCHEN EQUIPMENT			F	I, C	PROVIDE ALL ROUGH-IN AND FINAL CONNECTIONS INCLUDING EXHAUST HOOD LOW VOLTAGE WIRING AND CONNECTIONS AS INDICATED ON ELECTRICAL AND LOW VOLTAGE PLANS AND SPECIFICATIONS.
8		EXTERIOR ILLUMINATED SIGNAGE			F&I	C	PROVIDE ALL ROUGH-IN CONNECTIONS AS INDICATED ON ELECTRICAL PLANS AND SPECIFICATIONS. FINAL CONNECTION BY G.C.
9		TV			F	I, C	TV TO BE OWNER PROVIDED. G.C. TO PROVIDE BLOCKING AND POWER FOR TV AS REQUIRED. G.C. TO INSTALL.
10		SPEAKERS			F	I, C	SPEAKERS TO BE OWNER PROVIDED. G.C. TO PROVIDE BLOCKING AND POWER FOR SPEAKERS AS REQUIRED G.C. TO INSTALL.
20 COMMUNICATION							
1		TELEPHONE AND DATA CONDUITS		X		I, C	EXISTING TO REMAIN, IF APPLICABLE.
2		TELEPHONE AND DATA WIRING				I, C	WIRING AND TERMINATION F&I BY G.C., COORDINATE AS REQUIRED
21 ELECTRONIC SAFETY AND SECURITY							
1		FIRE LIFE SAFETY ALARM				F&I, C	TO BE DESIGN/BUILD BY G.C'S SUBCONTRACTOR; CONTRACTOR TO APPLY AND PAY FOR ALL REQUIRED PERMITS.
2		SECURITY SYSTEM			F	I, C	OWNER TO COORDINATE WITH TERIYAKI MADNESS VENDOR; ALL WIRING TO BE CONCEALED WITHIN WALLS.
REMARKS / NOTES							
	A	TENANT G.C. IS RESPONSIBLE FOR ALL THE WORK SHOWN IN SET AND NOT SPECIFICALLY INDICATED IN THE RESPONSIBILITY SCHEDULE, UNLESS OTHERWISE NOTED.					
	B	CONTACT ARCHITECT IMMEDIATELY FOR CLARIFICATIONS OF ITEMS NOT LISTED IN THIS SCHEDULE.					
	C	PANELS MAY VARY DEPENDING ON THE LANDLORD WORK LETTER.					

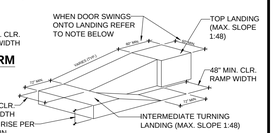
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5840 LEGACY CIRCLE -

11B-405 RAMPS

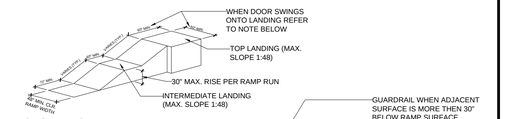
1. ALL RAMPS MUST MEET HANDRAIL AND EDGE PROTECTION REQUIREMENTS.
2. RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12 (8.33%).§11B-405.2
3. CROSS SLOPE OF RAMP RUNS SHALL NOT BE STEEPER THAN 1:48 (2.083%). § 11B-405.3
4. FLOOR OR GROUND SURFACES OF RAMP RUNS SHALL COMPLY WITH 11B-302. CHANGES IN LEVEL OTHER THAN THE RUNNING SLOPE AND CROSS SLOPE ARE NOT PERMITTED ON RAMP RUNS. §11B-405.4
5. THE CLEAR WIDTH OF A RAMP RUN SHALL BE 48 INCHES MINIMUM EXCEPT THAT HANDRAILS MAY PROJECT INTO THE REQUIRED CLEAR WIDTH A MAXIMUM OF 3 1/2 INCHES MAXIMUM AT THE HANDRAIL HEIGHT. § 11B-405.5 THE RISE FOR ANY RAMP RUN SHALL BE 30 INCHES MAXIMUM. §11B-405.6
6. RAMPS SHALL HAVE LANDINGS AT THE TOP AND THE BOTTOM OF EACH RAMP RUN AND INTERMEDIATE LANDINGS WHEN REQUIRED. § 11B-405.7
   a. LANDINGS SHALL COMPLY WITH 11B-302. CHANGES IN LEVEL ARE NOT PERMITTED. § 11B-405.7.1
   b. HE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING. §11B-405.7.2
   c. TOP LANDINGS SHALL BE 60 INCHES WIDE MINIMUM. §11B-405.7.2,1
   d. THE LANDING CLEAR LENGTH SHALL BE 60 INCHES LONG MINIMUM. §11B-405.7.3 EXCEPT THAT BOTTOM LANDINGS SHALL EXTEND 72 INCHES MINIMUM IN THE DIRECTION OF RAMP RUN. §11B-405.7.3.1
   e. RAMPS THAT CHANGE DIRECTION BETWEEN RUNS AT LANDINGS SHALL HAVE A CLEAR LANDING 60 INCHES MINIMUM BY 72 INCHES MINIMUM IN THE DIRECTION OF DOWNWARD TRAVEL FROM THE UPPER RAMP RUN. §11B- 405.7.4
   f. WHERE DOORWAYS ARE LOCATED ADJACENT TO A RAMP LANDING,MANEUVERING CLEARANCES REQUIRED BY 11B-404.2.4 AND 11B-404.3.2 SHALL BE PERMITTED TO OVERLAP THE REQUIRED LANDING AREA. DOORS, WHEN FULLY OPEN, SHALL NOT REDUCE THE REQUIRED RAMP LANDING WIDTH BY MORE THAN 3 INCHES. DOORS, IN ANY POSITION, SHALL NOT REDUCE THE MINIMUM DIMENSION OF THE RAMP LANDING TO LESS THAN 42 INCHES. REFER TO DETAIL: "TYPICAL DOOR & GATE REQUIREMENT" §11B-405.7.5
7. LANDINGS SUBJECT TO WET CONDITIONS SHALL BE DESIGNED TO PREVENT THE ACCUMULATION OF WATER. §11B-405D
8. RAMP RUNS SHALL HAVE COMPLIANT HANDRAILS PER 11B- 505 HANDRAILS.
   a. EXCEPTION: CURB RAMPS.
   b. EXCEPTION: AT DOOR LANDINGS, HANDRAILS ARE NOT REQUIRED ON RAMP RUNS LESS THAN 6 INCHES (152 MM) IN RISE OR 72 INCHES (1829 MM) IN LENGTH. §11B-405.8
9. EDGE PROTECTION COMPLYING WITH 11B-405.9.2 SHALL BE PROVIDED ON EACH SIDE OF RAMP RUNS AND AT EACH SIDE OF RAMP LANDINGS. §11B-405.9 (SEE EXCEPTIONS)
10. A CURB, 2 INCHES HIGH MINIMUM, OR BARRIER SHALL BE PROVIDED THAT PREVENTS THE PASSAGE OF A 4 INCH DIAMETER SPHERE, WHERE ANY PORTION OF THE SPHERE IS WITHIN 4 INCHES OF THE FINISH FLOOR OR GROUND SURFACE. TO PREVENT WHEEL ENTRAPMENT, THE CURB OR BARRIER SHALL PROVIDE A CONTINUOUS AND UNINTERRUPTED BARRIER ALONG THE LENGTH OF THE RAMP.§11B-405.9.2



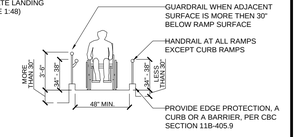
A. RAMP WITH TURNING PLATFORM



B. RAMP WITH INTERMEDIATE SWITCH BACK PLATFORM



C. STRAIGHT RAMP RUN



D. RAMP SECTION / EDGE PROTECTION

RAMPS

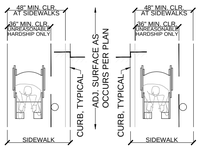
N.T.S. | 9

11B-402 ACCESSIBLE ROUTE

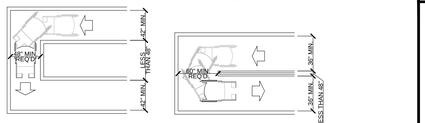
1. AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED WITHIN THE SITE FROM ACCESSIBLE PARKING SPACES AND ACCESSIBLE PASSENGER LOADING ZONES; PUBLIC STREETS AND SIDEWALKS; AND PUBLIC TRANSPORTATION STOPS TO THE ACCESSIBLE BUILDING OR FACILITY ENTRANCE THEY SERVE.WHERE MORE THAN ONE ROUTE IS PROVIDED, ALL ROUTES MUST BE ACCESSIBLE. §11B-206.2.1 (SEE EXCEPTIONS)
2. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES, ACCESSIBLE ELEMENTS, AND ACCESSIBLE SPACES THAT ARE ON THE SAME SITE. §11B-206.2.2 (SEE EXCEPTION)
3. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT EACH STORY AND MEZZANINE IN MULTI-STORY BUILDINGS AND FACILITIES. §11B-206.2.3 (SEE EXCEPTIONS)
4. IN NEW CONSTRUCTION OF BUILDINGS WHERE ELEVATORS ARE REQUIRED BY 11B-206.2.3 MULTI-STORY BUILDINGS AND FACILITIES, AND WHICH EXCEED 10,000 SQUARE FEET ON ANY FLOOR, AN ACCESSIBLE MEANS OF VERTICAL ACCESS VIA RAMP, ELEVATOR OR LIFT SHALL BE PROVIDED WITHIN 200 FEET OF TRAVEL OF EACH STAIR AND EACH ESCALATOR. EXCEPTION: STAIRS USED SOLELY FOR EMERGENCY EGRESS. §11B-206.2.3.2
5. IN EXISTING BUILDINGS THAT EXCEED 10,000 SQUARE FEET ON ANY FLOOR AND IN WHICH ELEVATORS ARE REQUIRED BY 11B-206.2.3 MULTI-STORY BUILDINGS AND FACILITIES, WHENEVER A NEWLY CONSTRUCTED MEANS OF VERTICAL ACCESS IS PROVIDED VIA STAIRS OR AN ESCALATOR, AN ACCESSIBLE MEANS OF VERTICAL ACCESS VIA RAMP, ELEVATOR OR LIFT SHALL BE PROVIDED WITHIN 200 FEET OF TRAVEL OF EACH NEW STAIR OR ESCALATOR. EXCEPTION: STAIRS USED SOLELY FOR EMERGENCY EGRESS. §11B- 206.2.3.2
6. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDING OR FACILITY ENTRANCES WITH ALL ACCESSIBLE SPACES AND ELEMENTS WITHIN THE BUILDING OR FACILITY, INCLUDING MEZZANINES, WHICH ARE OTHERWISE CONNECTED BY A CIRCULATION PATH. (SEE EXCEPTIONS) §11B-206.2.4
7. IN RESTAURANTS, CAFETERIAS, BANQUET FACILITIES, BARS, AND SIMILAR FACILITIES, AN ACCESSIBLE ROUTE SHALL BE PROVIDED TO ALL FUNCTIONAL AREAS, INCLUDING RAISED OR SUNKEN AREAS, AND OUTDOOR AREAS. §11B-206.2.5
8. COMMON USE CIRCULATION PATHS WITHIN EMPLOYEE WORK AREAS SHALL COMPLY WITH SECTION 11B-402. §11B-206.2.8
9. ACCESSIBLE ROUTES SHALL COINCIDE WITH OR BE LOCATED IN THE SAME AREA AS GENERAL CIRCULATION PATHS. WHERE DIFFERENT ROUTES ARE INTERIOR, REQUIRED ACCESSIBLE ROUTES SHALL ALSO BE INTERIOR; AN ACCESSIBLE ROUTE SHALL NOT PASS THROUGH KITCHENS, STORAGE ROOMS, RESTROOMS, CLOSETS OR OTHER SPACES USED FOR SIMILAR PURPOSES, EXCEPT AS PERMITTED BY CHAPTER 10. §11B-206.3

11B-402 & 11B-403 ACCESSIBLE ROUTE TECHNICAL REQUIREMENTS

1. ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS: WALKING SURFACES WITH A RUNNING SLOPE NOT STEEPER THAN 1:20 (5%). DOORWAYS, RAMPS, CURB RAMPS EXCLUDING THE FLARED SIDES, ELEVATORS, AND PLATFORM LIFTS. §11B-402.2
2. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20 (5%). THE CROSS SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:48 (2.083%).§11B-403.3
3. THE CLEAR WIDTH OF WALKING SURFACES SHALL BE 36 INCHES MINIMUM (SEE EXCEPTIONS). §11B-403.5.1



SIDEWALK WIDTH AND HARDSHIP EXCEPTION AT SIDEWALKS



ACCESSIBLE ROUTE CLEAR WIDTH AT TURN

EXCEPTIONS:

a. THE CLEAR WIDTH SHALL BE PERMITTED TO BE REDUCED TO 32 INCHES MINIMUM FOR A LENGTH OF 24 INCHES MAXIMUM PROVIDED THAT THE REDUCED WIDTH SEGMENTS ARE SEPARATED BY SEGMENTS THAT ARE 48 INCHES LONG MINIMUM AND 36 INCHES WIDE MINIMUM §11B-403.5.1, FIGURE 11B-403.5.1, EX 1
b. THE CLEAR WIDTH FOR WALKING SURFACES IN CORRIDORS SERVING AN OCCUPANT LOAD OF 10 OR MORE SHALL BE 44 INCHES MINIMUM. §11B-403.5.1, EX 2
c. THE CLEAR WIDTH FOR SIDEWALKS AND WALKS SHALL BE 48 INCHES MINIMUM. §11B-403.5.1, EX 3
d. THE CLEAR WIDTH FOR AISLES SHALL BE 36 INCHES MINIMUM IF SERVING ELEMENTS ON ONLY ONE SIDE, AND 44 INCHES MINIMUM IF SERVING ELEMENTS ON BOTH SIDES. §11B-403.5.1, EX 4
e. THE CLEAR WIDTH FOR ACCESSIBLE ROUTES TO ACCESSIBLE TOILET COMPARTMENTS SHALL BE 44 INCHES EXCEPT FOR DOOR-OPENING WIDTHS AND DOOR SWINGS. §11B-403.5.1, EX.5



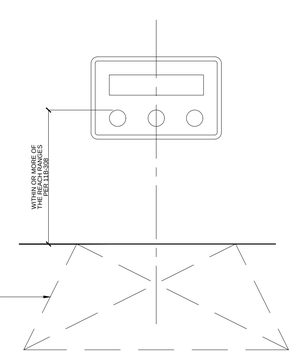
ACCESSIBLE ROUTE CLEAR WIDTH

ACCESSIBLE ROUTE 11B-402-403

N.T.S. | 7

11B-309 OPERABLE PARTS

1. A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH SECTION 11B-305 SHALL BE PROVIDED. §11B- 309.2
2. OPERABLE PARTS SHALL BE PLACED WITHIN ONE OR MORE OF THE REACH RANGES SPECIFIED IN SECTION 11B-308. §11B-309.3
3. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAXIMUM. GAS PUMP NOZZLES AND ELECTRIC VEHICLE CONNECTORS SHALL NOT BE REQUIRED TO PROVIDE OPERABLE PARTS THAT HAVE AN ACTIVATING FORCE OF 5 POUNDS MAXIMUM. §11B- 309.4
5. EXCEPTION: GAS PUMP NOZZLES AND ELECTRIC VEHICLE CON-NECTORS SHALL NOT BE REQUIRED TO PROVIDE OPERABLE PARTS THAT HAVE AN ACTIVATING FORCE OF 5 POUNDS MAXIMUM.
6. WHERE MAIL BOXES ARE PROVIDED IN AN INTERIOR LOCATION, AT LEAST 5 PERCENT, BUT NO FEWER THAN ONE, OF EACH TYPE SHALL COMPLY WITH SECTION 11B-309. §11B-228.2



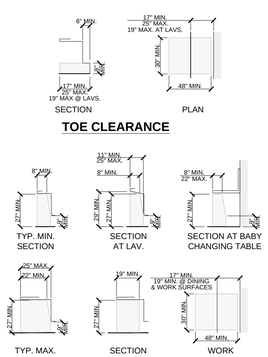
NOTE:
REFER TO THE TYPICAL RESTROOM REQUIREMENTS DETAIL FOR ADDITIONAL OPERABLE PARTS REQUIREMENTS AND DIAGRAMS.

OPERABLE PARTS

N.T.S. | 4

11B-306 TOE AND KNEE CLEARANCE

1. FOR LAVATORIES AND BUILT-IN DINING AND WORK SURFACES REQUIRED TO BE ACCESSIBLE, TOE CLEARANCE SHALL BE PROVIDED THAT IS 30 INCHES IN WIDTH AND 9 INCHES IN HEIGHT ABOVE THE FINISH FLOOR OR GROUND §11B-306.2.1
2. TOE CLEARANCE SHALL EXTEND A MINIMUM OF 17 INCHES AND EXTEND 19 INCHES MAXIMUM UNDER LAVATORIES FOR TOILET AND BATHING FACILITIES AND 25 INCHES MAXIMUM UNDER OTHER ELEMENTS. §11B- 306.2.2, §11B-306.2.3
3. SPACE UNDER AN ELEMENT BETWEEN 9 INCHES AND 27 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED KNEE CLEARANCE AND SHALL COMPLY WITH SECTION §11B-306.3.1
4. AT LAVATORIES, KNEE CLEARANCE SHALL BE PROVIDED THAT IS 30 INCHES IN WIDTH FOR A DEPTH OF 11 INCHES AT 9 INCHES ABOVE THE FINISH FLOOR OR GROUND AND FOR A DEPTH OF 8 INCHES AT 27 INCHES ABOVE THE FINISH FLOOR OR GROUND INCREASING TO 29 INCHES HIGH MINIMUM ABOVE THE FINISH FLOOR OR GROUND AT THE FRONT EDGE OF A COUNTER WITH A BUILT-IN LAVATORY OR AT THE FRONT EDGE OF A WALL- MOUNTED LAVATORY FIXTURE. §11B-306.3.1, §11B-306.3.3, FIGURE 11B-306.3(C)
5. KNEE CLEARANCE SHALL EXTEND 25 INCHES (635 MM) MAXIMUM UNDER AN ELEMENT AT 9 INCHES (229 MM) ABOVE THE FINISH FLOOR OR GROUND. §11B-306.3.2
6. WHERE KNEE CLEARANCE IS REQUIRED UNDER AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE KNEE CLEARANCE SHALL BE 11 INCHES DEEP MINIMUM AT 9 INCHES ABOVE THE FINISH FLOOR OR GROUND, AND 8 INCHES DEEP MINIMUM AT 27 INCHES ABOVE THE FINISH FLOOR OR GROUND. §11B-306.3.3



TOE & KNEE CLEARANCE

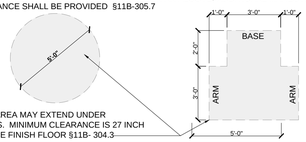
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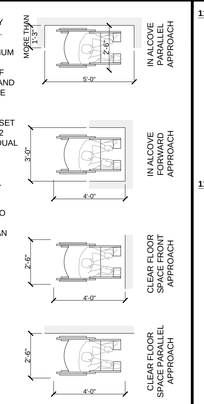
11B-304 TURNING SPACE

1. CIRCULAR TURNING SPACES SHALL BE A SPACE OF 60 INCHES DIAMETER MINIMUM AND MAY INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 11B-306 KNEE AND TOE CLEARANCE. §11B-304.3.1
2. T-SHAPED TURNING SPACES SHALL BE A T-SHAPED SPACE WITHIN A 60 INCH SQUARE MINIMUM WITH ARMS AND BASE 36 INCHES WIDE MINIMUM. EACH ARM OF THE T SHALL BE CLEAR OF OBSTRUCTIONS 12 INCHES MINIMUM IN EACH DIRECTION AND THE BASE SHALL BE CLEAR OF OBSTRUCTIONS 24 INCHES MINIMUM. THE SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 11B-306 ONLY AT THE END OF EITHER THE BASE OR ONE ARM. §11B- 304.3.2
3. DOORS SHALL BE PERMITTED TO SWING INTO TURNING SPACES §11B- 304.4
4. AT TOILET AND BATHING ROOMS, OTHER THAN THE DOOR TO THE ACCESSIBLE WATER CLOSET COMPARTMENT, A DOOR IN ANY POSITION, MAY ENCROACH INTO THE TURNING SPACE BY 12 INCHES MAXIMUM. §11B-603.2.3 EXCEPT AT TOILET ROOMS OR BATHING ROOMS FOR INDIVIDUAL USE THAT COMPLIES WITH §11B-305

11B-305 CLEAR FLOOR OR GROUND SPACE

1. FLOOR OR GROUND SURFACES SHALL COMPLY WITH SECTION 11B-302. CHANGES IN LEVEL ARE NOT PERMITTED EXCEPT THAT SLOPES NOT STEEPER THAN 1:48 ARE PERMITTED. §11B-305.2
2. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR OR GROUND SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 11B-306. §11B- 305.4
3. ONE FULL UNOBSTRUCTED SIDE OF THE CLEAR FLOOR OR GROUND SPACE SHALL ADJOIN AN ACCESSIBLE ROUTE. CLEAR FLOOR MAY OVERLAP AN ACCESSIBLE ROUTE, UNLESS SPECIFICALLY PROHIBITED §11B-305.6
4. WHERE A CLEAR FLOOR SPACE IS LOCATED IN AN ALCOVE, ADDITIONAL MANEUVERING CLEARANCE SHALL BE PROVIDED §11B-305.7



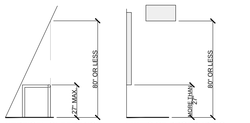


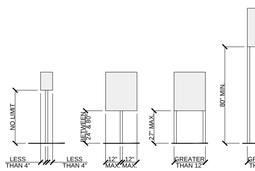
TURNING & CLEAR FLOOR SPACE

N.T.S. | 2

11B-307 PROTRUDING OBJECTS

1. PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR WIDTH REQUIRED FOR ACCESSIBLE ROUTES §11B-307.5
2. EXCEPT FOR HANDRAILS, OBJECTS WITH LEADING EDGES MORE THAN 27 INCHES AND LESS THAN 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL PROTRUDE NO MORE THAN 4 INCHES HORIZONTALLY INTO THE CIRCULATION PATH HANDRAILS MAY PROTRUDE 4½ INCHES MAXIMUM. §11B-307.2, FIGURE 11B-307.2
3. FREE-STANDING OBJECTS MOUNTED ON POSTS OR PYLONS SHALL OVERHANG CIRCULATION PATHS NO MORE THAN 12 INCHES WHEN LOCATED FROM 27 TO 80 INCHES ABOVE THE FINISH FLOOR OR GROUND. §11B-307.3, FIGURE 11B-307.3(A)
4. LOWEST EDGE OF A SIGN OR OTHER OBSTRUCTION, WHEN MOUNTED BETWEEN POSTS OR PYLONS SEPARATED WITH A CLEAR DISTANCE GREATER THAN 12 INCHES, SHALL BE LESS THAN 27 INCHES OR MORE THAN 80 INCHES ABOVE THE FINISH FLOOR OR GROUND. §11B-307.3, FIGURE 11B-307.3(B)
5. VERTICAL CLEARANCE SHALL BE AT LEAST 80 INCHES HIGH ON CIRCULATION PATHS EXCEPT AT DOOR CLOSERS AND DOOR STOPS, WHICH MAY BE 78 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND. §11B-307.4
6. GUARDRAILS OR OTHER BARRIERS WITH A LEADING EDGE LOCATED 27 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SHALL BE PROVIDED WHERE THE VERTICAL CLEARANCE ON CIRCULATION PATHS IS LESS THAN 80 INCHES HIGH. §11B-307.4, FIGURE 11B-307.4



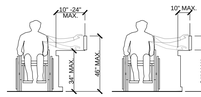


PROTRUDING OBJECT

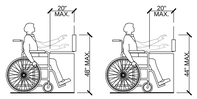
N.T.S. | 5

11B-308 REACH RANGES

1. ELECTRICAL CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF A ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES OR COOLING, HEATING AND VENTILATING EQUIPMENT SHALL BE LOCATED WITHIN ALLOWABLE REACH RANGES EXCEPT THAT LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX.§11B-308.1.1
2. ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUITS OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL BE LOCATED WITHIN ALLOWABLE REACH RANGES EXCEPT THAT LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX. §11B-308.1.2
3. UNOBSTRUCTED HIGH FORWARD REACH SHALL BE 48 INCHES MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND. §11B-308.2.1, FIGURE 11B-308.2.1
4. OBSTRUCTED HIGH FORWARD REACH SHALL BE 48 INCHES MAXIMUM WHERE THE REACH DEPTH IS 20 INCHES OR LESS AND 44 INCHES MAXIMUM WHERE THE REACH DEPTH EXCEEDS 20 INCHES. HIGH FORWARD REACH DEPTH SHALL NOT EXCEED 25 INCHES. §11B-308.2.2, FIGURE 11B-308.2.2
5. UNOBSTRUCTED HIGH SIDE REACH SHALL BE 48 INCHES MAXIMUM AND LOW SIDE REACH SHALL BE 15 INCHES MINIMUM ABOVE THE FINISH FLOOR. AN OBSTRUCTION SHALL BE PERMITTED BETWEEN THE CLEAR FLOOR OR GROUND SPACE AND THE ELEMENT WHERE THE DEPTH OF THE OBSTRUCTION IS 10 INCHES MAXIMUM. §11B-308.3.1, FIGURE 11B-308.3.1
6. OBSTRUCTED HIGH SIDE REACH SHALL BE 46 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND WHERE THE HIGH SIDE REACH IS OVER AN OBSTRUCTION MORE THAN 10 INCHES BUT NOT MORE THAN 24 INCHES IN DEPTH AND 34 INCHES MAXIMUM IN HEIGHT. §11B-308.3.2, FIGURE 11B-308.3.2
7. OBSTRUCTED HIGH SIDE REACH FOR THE TOP OF WASHING MACHINES AND CLOTHES DRYERS SHALL BE PERMITTED TO BE 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR. §11B-308.3.2
8. OBSTRUCTED HIGH SIDE REACH FOR THE OPERABLE PARTS OF FUEL DISPENSERS SHALL BE PERMITTED TO BE 54 INCHES MAXIMUM MEASURED FROM THE SURFACE OF THE VEHICULAR WAY WHERE FUEL DISPENSERS ARE INSTALLED ON EXISTING CURBS. §11B-308.3.1 (2)
9. WHERE BUILDING ELEMENTS SUCH AS COAT HOOKS, LOCKERS, OR OPERABLE PARTS ARE DESIGNED FOR USE PRIMARILY BY CHILDREN, THE SUGGESTED DIMENSIONS OF TABLE 11B-308.4 SHALL BE PERMITTED. THESE DIMENSIONS APPLY TO EITHER FORWARD OR SIDE REACHES.



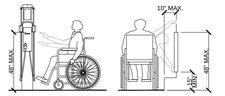
A. MAXIMUM SIDE REACH OVER AN OBSTRUCTION



B. MAXIMUM FORWARD REACH OVER AN OBSTRUCTION



D. HIGH AND LOW FORWARD REACH LIMITS



C. ACCESSIBLE REACH REQUIREMENTS

SUGGESTED REACH RANGE FOR CHILDREN AGES 3 THROUGH 12			
FORWARD OR SIDE REACH	AGES 3 AND 4	AGES 5 AND 8	AGES 9 AND 12
HIGH (MAX.)	36"	40"	44"
LOW (MAX.)	20"	18"	16"

REACH RANGES

N.T.S. | 6

11B-603.2.3 DOOR SWING:

1. DOOR SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. DOORS TO ACCESSIBLE WATER CLOSET COMPARTMENTS SHALL BE PERMITTED TO ENCROACH INTO THE TURNING SPACE WITHOUT LIMITATION. OTHER THAN THE DOOR TO THE ACCESSIBLE WATER CLOSET COMPARTMENT, A DOOR IN ANY POSITION, MAY ENCROACH INTO THE TURNING SPACE BY 12 INCHES MAXIMUM. §11B-603.2.3

11B-404 DOORS, DOORWAYS, AND GATES

1. DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES MINIMUM. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24 INCHES DEEP SHALL PROVIDE A CLEAR OPENING OF 36 INCHES MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34 INCHES ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES AND 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES. §11B-404.2.3
2. AT LEAST ONE OF THE ACTIVE LEAF OF DOUBLE LEAF DOORS AND GATES SHALL COMPLY WITH 11B-404.2.3 CLEAR WIDTH AND 11B-404.2.4 MANEUVERING CLEARANCES. §11B-404.2.2
3. THE MAXIMUM WIDTH OF A SWINGING DOOR LEAF SHALL BE 48 INCHES §1010.1.1
4. REVOLVING DOORS, REVOLVING GATES, AND TURNSTILES SHALL NOT BE PART OF AN ACCESSIBLE ROUTE. §11B- 404.2.1
5. MINIMUM MANEUVERING CLEARANCES AT DOORS AND GATES SHALL COMPLY WITH 11B-404.2.4 MANEUVERING CLEARANCES. MANEUVERING CLEARANCES SHALL EXTEND THE FULL WIDTH OF THE DOORWAY AND THE REQUIRED LATCH SIDE OR HINGE SIDE CLEARANCE. §11B-404.2.4
6. SWINGING DOORS AND GATES SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 11B-404.2.4.1. §11B-404.2.4.1
7. DOORWAYS LESS THAN 36 INCHES WIDE WITHOUT DOORS OR GATES, SLIDING DOORS, OR FOLDING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 11B-404.2.4.2. §11B-404.2.4.2
8. MANEUVERING CLEARANCES FOR FORWARD APPROACH SHALL BE PROVIDED WHEN ANY OBSTRUCTION WITHIN 18 INCHES OF THE LATCH SIDE AN INTERIOR DOORWAY, OR WITHIN 24 INCHES OF THE LATCH SIDE OF AN EXTERIOR DOORWAY, PROJECTS MORE THAN 8 INCHES BEYOND THE FACE OF THE DOOR, MEASURED PERPENDICULAR TO THE FACE OF THE DOOR OR GATE. §11B-404.2.4.3
9. FLOOR OR GROUND SURFACE WITHIN REQUIRED MANEUVERING CLEARANCES SHALL COMPLY WITH SECTION 11B-302 .CHANGES IN LEVEL ARE NOT PERMITTED EXCEPT THAT SLOPES NOT STEEPER THAN 1:48 (2.0833%) AND THRESHOLDS PER SECTION 11B-404.2.5 SHALL BE PERMITTED § 11B-404.2.4.4
10. THE DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES AND GATES IN SERIES SHALL BE A MINIMUM OF 48" PLUS THE WIDTH OF THE DOORS OR GATES SWINGING INTO THE SPACE. §11B-404.2.6
11. THRESHOLDS, IF PROVIDED AT DOORWAYS. SHALL BE ½ INCH HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH 11B-302 FLOOR OR GROUND SURFACES AND 11B-303 CHANGES IN LEVEL. §11B-404.2.5.
12. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH 11B-309.4 OPERATION.OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34 INCHES MINIMUM AND 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. §11B-404.2.7
13. THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE SHALL BE AS FOLLOWS: §11B-404.2.9
    a. INTERIOR HINGED DOORS AND GATES: 5 POUNDS MAXIMUM.
    b. SLIDING OR FOLDING DOORS: 5 POUNDS MAXIMUM.
    c. REQUIRED FIRE DOORS: THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 POUNDS.
    d. EXTERIOR HINGED DOORS: 5 POUNDS MAXIMUM.



A. CLEAR WIDTH OF DOORWAYS (11B-404.2.3)

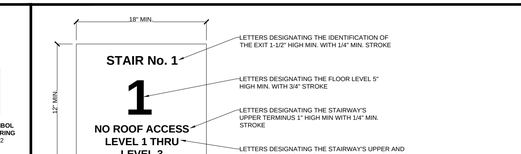


NOTE:

- PICTOGRAMS AND THEIR FIELD SHALL HAVE A NON-GLARE FINISH. PICTOGRAMS SHALL CONTRAST WITH THEIR FIELD WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD.
- PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6 INCHES (152 MM) MINIMUM. CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD.
- THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL CONSIST OF WHITE FIGURE ON A BLUE BACKGROUND. THE COLOR BLUE SHALL APPROXIMATE FS 15090 IN FEDERAL STANDARD 595C. EXCEPTION THE APPROPRIATE ENFORCEMENT AGENCY MAY APPROVE OTHER COLORS PROVIDED THE SYMBOL CONTRAST IS LIGHT ON DARK OR DARK ON LIGHT.
- TELEPHONES WITH A VOLUME CONTROL SHALL BE IDENTIFIED BY A PICTOGRAM OF A TELEPHONE HANDSET WITH RADIATING SOUND WAVES ON A SQUARE FIELD.
- ASSISTIVE LISTENING SYSTEMS SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESS FOR HEARING LOSS
- SIGNS SHALL COMPLY WITH CBC §11B-216 AND 11B-703.

TYPICAL PICTOGRAM REQMTS.

N.T.S. | 8

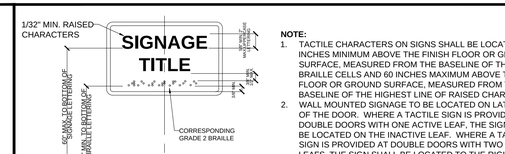


NOTE:

- PROVIDE STAIRWAY IDENTIFICATION SIGN PER CBC §1023.9 AT EACH FLOOR LANDING IN AN INTERIOR EXIT STAIRWAY AND RAMP CONNECTING MORE THAN THREE STORIES
- THE SIGN SHALL DESIGNATE THE FLOOR LEVEL, THE TERMINUS OF THE TOP AND BOTTOM OF THE INTERIOR EXIT STAIRWAY AND RAMP AND THE IDENTIFICATION OF THE STAIR OR RAMP.
- THE SIGNAGE SHALL ALSO STATE THE STORY OF, AND THE DIRECTION TO, THE EXIT DISCHARGE AND THE AVAILABILITY OF ROOF ACCESS FROM THE INTERIOR EXIT STAIRWAY AND RAMP FOR THE FIRE DEPARTMENT. THE SIGN SHALL BE LOCATED 5 FEET ABOVE THE FLOOR LANDING IN A POSITION THAT IS READILY VISIBLE WHEN THE DOORS ARE IN THE OPEN AND CLOSED POSITIONS.
- CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND, WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

TYPICAL STAIRWAY ID. SIGN

N.T.S. | 7

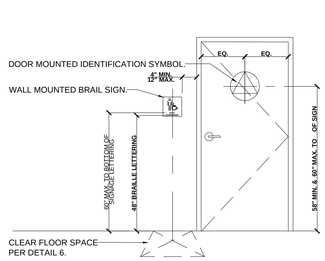


NOTE:

1. TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS AND 60 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS WALL MOUNTED SIGNAGE TO BE LOCATED ON LATCH SIDE OF THE DOOR. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF A DOUBLE DOOR, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL
2. SIGNS SHALL COMPLY WITH CBC §11B-703.
REFER TO DETAIL 11 FOR ADDITIONAL INFORMATION.

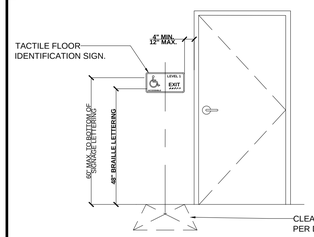
TYP. ACCESSIBILE SIGN REQMTS.

N.T.S. | 6



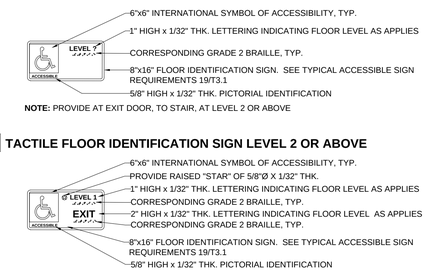
NOTE:

1. SIGNS SHALL COMPLY WITH CBC §11B-703



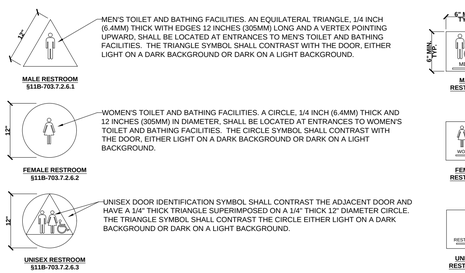
NOTE:

- SIGNS SHALL COMPLY WITH CBC §1022.9, 11B-504.8, 11B-703.1, 11B-703.2, 11B-703.3, & 11B-703.5 • SIGNS SHALL BE PROVIDED AT STAIR LANDINGS ADJACENT TO STAIR DOORS ON THE LATCH SIDE



TYPICAL EXIT STAIR DOOR REQUIREMENTS

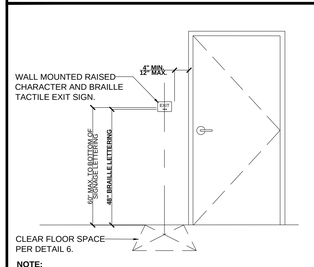
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TYP. RESTROOM DOOR REQMTS.

N.T.S. | 4



NOTE:

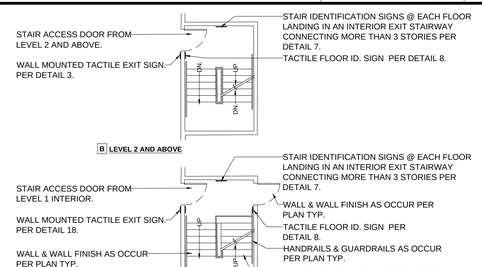
- SIGNS SHALL COMPLY WITH CBC CBC §1011 & 11B-703

PROVIDED SIGNS AT:

1. ALL GRADE LEVEL EXIT DOORS: SIGN TO READ "EXIT"
2. ALL EXIT DOORS OF EACH LEVEL THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT: SIGN TO READ "EXIT STAIRS UP" OR "EXIT STAIRS DOWN". LIKEWISE FOR EXIT RAMPS.
3. ALL EXIT DOORS THAT LEADS DIRECTLY TO GRADE BY MEANS OF AN EXIT ENCLOSURE OR EXIT PASSAGEWAY: SIGN TO READ "EXIT ROUTE".
4. ALL INTERIOR EXIT ACCESS OF ROOMS OR AREA TO A CORRIDOR OR HALLWAY: SIGN TO READ "EXIT ROUTE".
5. EACH EXIT DOOR THROUGH A HORIZONTAL EXIT : SIGN TO READ "TO EXIT"

TYPICAL EXIT DOOR REQMTS.

N.T.S. | 3



TYPICAL EXIT STAIR DOOR REQMTS.

N.T.S. | 2

WASHING MACHINE AND CLOTHES DRYERS

1. WASHING MACHINES AND CLOTHES DRYER'S OPERABLE PARTS SHALL COMPLY WITH SECTION 11B-309. §11B-611.3
2. TOP LOADING MACHINES SHALL HAVE THE DOOR TO THE LAUNDRY COMPARTMENT LOCATED 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR. FRONT LOADING MACHINES SHALL HAVE THE BOTTOM OF THE OPENING TO THE LAUNDRY COMPARTMENT LOCATED 15 INCHES MINIM AND 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR. §11B-611.4

E. COMMUNICATION ELEMENTS & FIRE ALARM SYSTEMS FIRE ALARMS

1. WHERE FIRE ALARM SYSTEMS PROVIDE AUDIBLE ALARM COVERAGE, ALARMS SHALL COMPLY WITH 11B-215. §11B-215.1 (SEE EXCEPTION)
2. ALARMS IN PUBLIC USE AREAS AND COMMON USE AREAS SHALL COMPLY WITH CHAPTER 9, SECTION 907.5.2.3.1. §11B-215.2
3. WHERE EMPLOYEE WORK AREAS HAVE AUDIBLE ALARM COVERAGE, THE WIRING SYSTEM SHALL BE DESIGNED SO THAT VISIBLE ALARMS COMPLYING WITH CHAPTER 9, SECTION 907.5.2.3.1 EXCEPTION CAN BE INTEGRATED INTO THE ALARM SYSTEM. §11B-215.3
4. FIRE ALARM SYSTEMS SHALL HAVE PERMANENTLY INSTALLED AUDIBLE AND VISIBLE ALARMS COMPLYING WITH NFPA 72 (1999 OR 2002 EDITION) (INCORPORATED BY REFERENCE, SEE " REFERENCED STANDARDS " IN CHAPTER 1), EXCEPT THAT THE MAXIMUM ALLOWABLE SOUND LEVEL OF AUDIBLE NOTIFICATION APPLIANCES COMPLYING WITH SECTION 4-3.2.1 OF NFPA 72 (1999 EDITION) SHALL HAVE A SOUND LEVEL NO MORE THAN 110 DB AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE. IN ADDITION, ALARMS IN GUEST ROOMS REQUIRED TO PROVIDE COMMUNICATION FEATURES SHALL COMPLY WITH SECTIONS 4-3 AND 4-4 OF NFPA 72 (1999 EDITION) OR SECTIONS 7.4 AND 7.5 OF NFPA 72 (2002 EDITION) AND CHAPTER 9, SECTIONS 907.5.2.1 AND 907.5.2.3. §11B-702.1

ASSISTIVE LISTENING SYSTEMS

1. ASSISTIVE LISTENING SYSTEMS SHALL BE PROVIDED IN ASSEMBLY AREAS, INCLUDING CONFERENCE AND MEETING ROOMS. EXCEPTION: THIS SECTION DOES NOT APPLY TO SYSTEMS USED EXCLUSIVELY FOR PAGING, BACKGROUND MUSIC, OR A COMBINATION OF THESE TWO USES. §11B-219.2
2. PROVIDE A MINIMUM NUMBER OF RECEIVERS EQUAL TO 4 PERCENT OF THE TOTAL NUMBER OF SEATS, BUT IN NO CASE LESS THAN TWO. TWENTY-FIVE PERCENT MINIMUM OF RECEIVERS PROVIDED, BUT NO FEWER THAN TWO, SHALL BE HEARING-AID COMPATIBLE IN ACCORDANCE WITH SECTION 11B-706.3. §11B-219.3
3. WHERE A BUILDING CONTAINS MORE THAN ONE ASSEMBLY AREA UNDER ONE MANAGEMENT, THE TOTAL NUMBER OF REQUIRED RECEIVERS MAY BE CALCULATED USING THE TOTAL NUMBER OF SEATS IN THE ASSEMBLY AREAS PROVIDED THAT ALL RECEIVERS ARE USABLE WITH ALL SYSTEMS. §11B-219.3 EXCEPTION 1
4. WHERE ALL SEATS IN AN ASSEMBLY AREA ARE SERVED BY AN INDUCTION LOOP ASSISTIVE LISTENING SYSTEM, THE MINIMUM NUMBER OF RECEIVERS REQUIRED BY SECTION 11B-219.3 TO BE HEARING-AID COMPATIBLE SHALL NOT BE REQUIRED TO BE PROVIDED.. §11B-219.3
5. WHEN ASSISTIVE-LISTENING SYSTEMS ARE LIMITED TO SPECIFIC AREAS OR SEATS, SUCH AREAS OR SEATS SHALL BE WITHIN A 50-FOOT VIEWING DISTANCE OF THE STAGE OR PLAYING AREA AND SHALL HAVE A COMPLETE VIEW OF THE STAGE OR PLAYING AREA. §11B-219.4
6. PERMANENTLY INSTALLED ASSISTIVE-LISTENING SYSTEMS ARE REQUIRED IN AREAS IF (1) THEY ACCOMMODATE AT LEAST 50 PERSONS OR IF THEY HAVE AUDIO-AMPLIFICATION SYSTEMS, AND (2) THEY HAVE FIXED SEATING. IF PORTABLE ASSISTIVE-LISTENING SYSTEMS ARE USED FOR CONFERENCE OR MEETING ROOMS, THE SYSTEM MAY SERVE MORE THAN ONE ROOM. AN ADEQUATE NUMBER OF ELECTRICAL OUTLETS OR OTHER SUPPLEMENTARY WIRING NECESSARY TO SUPPORT A PORTABLE ASSISTIVE-LISTENING SYSTEM SHALL BE PROVIDED §11B-219.5
7. PORTABLE ASSISTIVE-LISTENING SYSTEMS MAY SERVE MORE THAN ONE CONFERENCE OR MEETING ROOMS IF AN ADEQUATE NUMBER OF ELECTRICAL OUTLETS OR OTHER SUPPLEMENTARY WIRING IS PROVIDED AND PERMANENTLY INSTALLED SYSTEMS ARE NOT REQUIRED. §11B-219.5
8. ASSISTIVE LISTENING SYSTEMS REQUIRED IN ASSEMBLY AREAS, CONFERENCE AND MEETING ROOMS SHALL COMPLY WITH SECTION 11B-706. §11B-706

TWO-WAY COMMUNICATION SYSTEMS

1. TWO-WAY COMMUNICATION SYSTEMS THAT ARE PROVIDED TO GAIN ADMITTANCE TO A BUILDING OR FACILITY OR TO RESTRICTED AREAS WITHIN A BUILDING OR FACILITY SHALL PROVIDE BOTH AUDIBLE AND VISUAL SIGNALS. HANDSET CORDS, IF PROVIDED, SHALL BE 29 INCHES LONG MINIMUM. §11B-230.1, §11B-708

SIGNS

1. INTERIOR AND EXTERIOR SIGNS IDENTIFYING PERMANENT ROOMS AND SPACES SHALL COMPLY WITH SECTIONS 11B-703.1, 11B-703.2, 11B-703.3 AND 11B-703.5. WHERE PICTOGRAMS ARE PROVIDED AS DESIGNATIONS OF PERMANENT ROOMS AND SPACES, THE PICTOGRAMS SHALL COMPLY WITH SECTION 11B-703.6 AND SHALL HAVE TEXT DESCRIPTORS COMPLYING WITH SECTIONS 11B-703.2 AND 11B-703.5. EXCEPTION: EXTERIOR SIGNS THAT ARE NOT LOCATED AT THE DOOR TO THE SPACE THEY SERVE SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 11B-703.2 §11B-216.2
2. SIGNS SHALL COMPLY WITH SECTION 11B-703. WHERE BOTH VISUAL AND TACTILE CHARACTERS ARE REQUIRED, EITHER ONE SIGN WITH BOTH VISUAL AND TACTILE CHARACTERS, OR TWO SEPARATE SIGNS, ONE WITH VISUAL, AND ONE WITH TACTILE CHARACTERS, SHALL BE PROVIDED.. §11B-216.
3. SIGNS THAT PROVIDE DIRECTION TO OR INFORMATION ABOUT INTERIOR AND EXTERIOR SPACES AND FACILITIES OF THE SITE SHALL COMPLY WITH 11B-703.5 VISUAL CHARACTERS.. §11B-216.3
4. IN EXISTING BUILDINGS AND FACILITIES WHERE NOT ALL ENTRANCES COMPLY WITH 11B-404, COMPLIANT ENTRANCES SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH 11B-703.7.2.1. DIRECTIONAL SIGNS COMPLYING WITH 11B-703.5 THAT INDICATE THE LOCATION OF THE NEAREST ENTRANCE COMPLYING WITH 11B-404 SHALL BE PROVIDED AT ENTRANCES THAT DO NOT COMPLY WITH 11B-404. DIRECTIONAL SIGNS COMPLYING WITH 11B-703.5, INCLUDING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH 11B-703.7.2.1, INDICATING THE ACCESSIBLE ROUTE TO THE NEAREST ACCESSIBLE ENTRANCE SHALL BE PROVIDED AT JUNCTIONS WHEN THE ACCESSIBLE ROUTE DIVERGES FROM THE REGULAR CIRCULATION PATH. §11B-216.6
5. WHERE EXISTING TOILET ROOMS OR BATHING ROOMS DO NOT COMPLY WITH 11B-603, DIRECTIONAL SIGNS INDICATING THE LOCATION OF THE NEAREST COMPLIANT TOILET ROOM OR BATHING ROOM WITHIN THE FACILITY SHALL BE PROVIDED. SIGNS SHALL COMPLY WITH 11B-703.5 AND SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH 11B-703.7.2.1. WHERE EXISTING TOILET ROOMS OR BATHING ROOMS DO NOT COMPLY WITH 11B-603, THE TOILET ROOMS OR BATHING ROOMS COMPLYING WITH 11B-603 SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH 11B-703.7.2.1. WHERE CLUSTERED SINGLE USER TOILET ROOMS OR BATHING FACILITIES ARE PERMITTED TO USE EXCEPTIONS TO 11B-213.2, TOILET ROOMS OR BATHING FACILITIES COMPLYING WITH 11B-603 SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH 11B-703.7.2.1 UNLESS ALL TOILET ROOMS AND BATHING FACILITIES COMPLY WITH 11B-603. EXISTING BUILDINGS THAT HAVE BEEN REMODELED TO PROVIDE SPECIFIC TOILET ROOMS OR BATHING ROOMS FOR PUBLIC USE THAT COMPLY WITH THESE BUILDING STANDARDS SHALL HAVE THE LOCATION OF AND THE DIRECTIONS TO THESE ROOMS POSTED IN OR NEAR THE BUILDING LOBBY OR ENTRANCE ON A SIGN COMPLYING WITH 11B-703.5, INCLUDING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH 11B-703.7.2.1.. §11B-216.8
6. GEOMETRIC SYMBOLS COM-PLYING WITH SECTION 11B-703.7.2.6 SHALL BE PROVIDED AT ENTRANCES TO TOILET AND BATHING ROOMS §11B-216.8.1 (SEE EXCEPTION)
7. SIGNS WITH TACTILE CHARACTERS SHALL COMPLY WITH 11B-703.4. §11B-703.4
   a. TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER BRAILLE CELLS AND 60 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE,MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER LINE OF RAISED CHARACTERS. §11B-703.4.1 (SEE EXCEPTION)
   b. WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION. WHERE PERMANENT IDENTIFICATION SIGNAGE IS PROVIDED FOR ROOMS AND SPACES THEY SHALL BE LOCATED ON THE APPROACH SIDE OF THE DOOR AS ONE ENTERS THE ROOM OR SPACE. SIGNS THAT IDENTIFY EXITS SHALL BE LOCATED ON THE APPROACH SIDE OF THE DOOR AS ONE EXITS THE ROOM OR SPACE. 11B-703.4.2 (SEE EXCEPTION) 8. VISUAL CHARACTERS SHALL COMPLY WITH SECTION 11B-703.5. §11B-703.5 (SEE EXCEPTION)
8. VISUAL CHARACTERS SHALL BE 40 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND. §11B-703.5.6 (SEE EXCEPTIONS)
10. PICTOGRAMS SHALL COMPLY WITH SECTION 11B-703.6. §11B- 703.6
11. SYMBOLS OF ACCESSIBILITY SHALL COMPLY WITH SECTION 11B-703.7. §11B- 703.7
12. TOILET ROOMS AND BATHING ROOMS SYMBOLS SHALL COMPLY WITH THE FOLLOWING:
    a. DOORWAYS LEADING TO TOILET ROOMS AND BATHING ROOMS SHALL BE IDENTIFIED BY A GEOMETRIC SYMBOL COMPLYING WITH 11B-703.7.2.6. THE SYMBOL SHALL BE MOUNTED AT 58 INCHES MINIMUM AND 60 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED FROM THE CENTERLINE OF THE SYMBOL. WHERE A DOOR IS PROVIDED THE SYMBOL SHALL BE MOUNTED WITHIN 1 INCH OF THE VERTICAL CENTERLINE OF THE DOOR. §11B-703.7.2.6
    b. MEN'S TOILET AND BATHING FACILITIES SHALL BE IDENTIFIED BY AN EQUILATERAL TRIANGLE, 1/4 INCH THICK WITH EDGES 12 INCHES LONG AND A VERTEX POINTING UPWARD. THE TRIANGLE SYMBOL SHALL CONTRAST WITH THE DOOR, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. § 11B-703.7.2.6.1 (SEE EXCEPTION)
    c. WOMEN'S TOILET AND BATHING FACILITIES SHALL BE IDENTIFIED BY A CIRCLE, 1/4 INCH THICK AND 12 INCHES IN DIAMETER. THE CIRCLE SYMBOL SHALL CONTRAST WITH THE DOOR, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. §11B-703.7.2.6.2 (SEE EXCEPTION)
    d. UNISEX TOILET AND BATHING FACILITIES SHALL BE IDENTIFIED BY A CIRCLE, 1/4 INCH THICK AND 12 INCHES IN DIAMETER WITH A 1/4 INCH THICK TRIANGLE WITH A VERTEX POINTING UPWARD SUPERIMPOSED ON THE CIRCLE AND WITHIN THE 12-INCH DIAMETER. THE TRIANGLE SYMBOL SHALL CONTRAST WITH THE CIRCLE SYMBOL, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. THE CIRCLE SYMBOL, A SHALL CONTRAST WITH THE DOOR, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. § 11B-703.7.2.6.3

F. SPECIAL ROOMS, SPACES, AND ELEMENTS; SINKS

1. AT LEAST 50 PERCENT OF SHELF SPACE IN STORAGE FACILITIES SHALL COMPLY WITH 11B-811. §11B- 804.5
2. SINKS. WHERE SINKS ARE PROVIDED, AT LEAST 5 PERCENT, BUT NO FEWER THAN ONE, OF EACH TYPE PROVIDED IN EACH ACCESSIBLE ROOM OR SPACE SHALL COMPLY WITH SECTION 11B-606. §11B- 212.3
   a. MOP, SERVICE OR SCULLERY SINKS SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 11B-212.3.
   b. SCRUB SINKS, AS DEFINED IN CALIFORNIA PLUMBING CODE SECTION 221.0, SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 11B-606.
3. SINKS SHALL COMPLY WITH 11B-606. §11B-804.4

DRESSING, FITTING, AND LOCKER ROOMS

1. WHERE DRESSING ROOMS, FITTING ROOMS, OR LOCKER ROOMS ARE PROVIDED, AT LEAST 5 PERCENT, BUT NO FEWER THAN ONE, OF EACH TYPE OF USE IN EACH CLUSTER PROVIDED SHALL COMPLY WITH SECTION 11B-803. §11B-222.1
2. TURNING SPACE COMPLYING WITH SECTION 11B-304 SHALL BE PROVIDED WITHIN THE ROOM. §11B-803.2
3. DOORS SHALL NOT SWING INTO THE ROOM UNLESS A TURNING SPACE COMPLYING WITH SECTION 11B-304.3 IS PROVIDED BEYOND THE ARC OF THE DOOR SWING. §11B-803.3
4. A BENCH COMPLYING WITH SECTION 11B-903 SHALL BE PROVIDED WITHIN THE ROOM. §11B-803.4
5. COAT HOOKS PROVIDED WITHIN THE ROOM SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN SECTION 11B-308. SHELVES SHALL BE 40 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. COAT HOOKS SHALL NOT BE LOCATED ABOVE THE BENCH OR OTHER SEATING IN THE ROOM. §11B-803.5
6. MIRRORS SHALL BE INSTALLED WITH THE BOT-TOM EDGE OF THE REFLECTING SURFACE 20 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. MIRRORS SHALL BE FULL LENGTH WITH A REFLECTIVE SURFACE 18 INCHES WIDE MINIMUM BY 54 INCHES HIGH MINIMUM AND SHALL BE MOUNTED IN A POSITION AFFORDING A VIEW TO A PERSON ON THE BENCH AS WELL AS TO A PERSON IN A STANDING POSITION. §11B-803.6

MAIL BOXES

1. 1. WHERE MAIL BOXES ARE PROVIDED IN AN INTERIOR LOCATION, AT LEAST 5 PERCENT, BUT NO FEWER THAN ONE, OF EACH TYPE SHALL COMPLY WITH 11B-309. §11B-228.2

WINDOWS

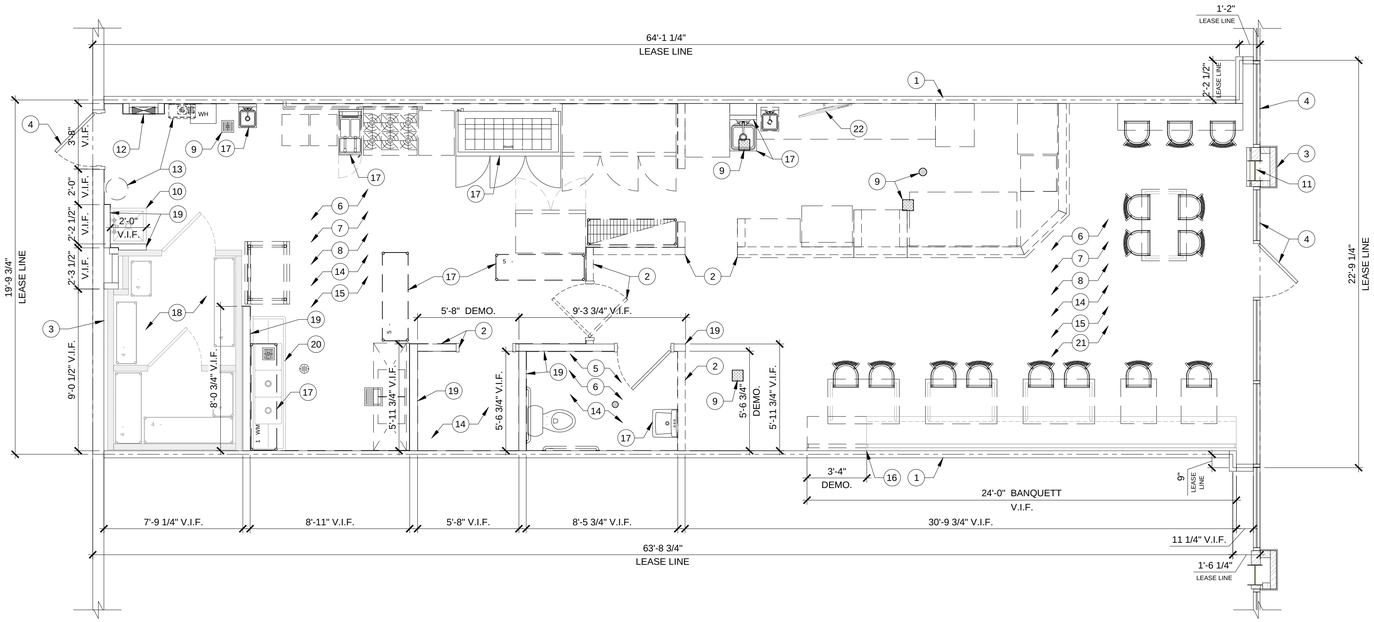
1. WHERE GLAZED OPENINGS ARE PROVIDED IN ACCESSIBLE ROOMS OR SPACES FOR OPERATION BY OCCUPANTS, AT LEAST ONE OPENING SHALL COMPLY WITH 11B-309. EACH GLAZED OPENING REQUIRED BY AN ADMINISTRATIVE AUTHORITY TO BE OPERABLE SHALL COMPLY WITH 11B-309. §11B-229.1 (SEE EXCEPTIONS)

G. BUILT-IN ELEMENTS BENCHES

1. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH SECTION 11B-305 SHALL BE PRO-VIDED AND SHALL BE POSITIONED AT THE END OF THE BENCH SEAT AND PARALLEL TO THE SHORT AXIS OF THE BENCH.. §11B-903.2
2. BENCHES SHALL HAVE SEATS THAT ARE 48 INCHES LONG MINIMUM AND 20 INCHES DEEP MINIMUM AND 24 INCHES DEEP MAXIMUM. §11B-903.3
3. THE BENCH SHALL PROVIDE FOR BACK SUPPORT OR SHALL BE AFFIXED TO A WALL ALONG ITS LONG DIMENSION. BACK SUPPORT SHALL BE 48 INCHES LONG MINIMUM AND SHALL EXTEND FROM A POINT 2 INCHES MAXIMUM ABOVE THE SEAT SURFACE TO A POINT 18 INCHES MINIMUM ABOVE THE SEAT SURFACE. BACK SUPPORT SHALL BE 2 1/2 INCHES MAXIMUM FROM THE REAR EDGE OF THE SEAT MEASURED HORIZONTALLY. §11B-903.4
4. THE TOP OF THE BENCH SEAT SURFACE SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. §11B-903.5
5. BENCHES SHALL BE AFFIXED TO THE WALL OR FLOOR. ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS IS APPLIED AT ANY POINT ON THE SEAT, FASTENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE. §11B-903.6
6. WHERE INSTALLED IN WET LOCATIONS, THE SURFACE OF THE SEAT SHALL BE SLIP RESISTANT AND SHALL NOT ACCUMULATE WATER. §11B-903.6

FIXED OR BUILT-IN SEATING, TABLES, & COUNTERS

1. WHERE DINING SURFACES ARE PROVIDED FOR THE CONSUMPTION OF FOOD OR DRINK, AT LEAST 5 PERCENT OF THE SEATING SPACES AND STANDING SPACES AT THE DINING SURFACES SHALL COMPLY WITH SECTION 11B-902. IN ADDITION, WHERE WORK SURFACES ARE PROVIDED FOR USE BY



DEMOLITION AND SITE VERIFICATION FLOOR PLAN

1/4" = 1'-0"

1

GENERAL NOTES

1	DEMOLITION CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, STANDARDS, RULES, AND REGULATIONS FOR THE SAFETY OF PERSONS OR PROPERTY, OR TO PROTECT THEM FROM DAMAGE, INJURY OR LOSS.
2	DEMOLITION CONTRACTOR SHALL ERECT AND MAINTAIN ALL REASONABLE SAFEGUARDS FOR THE SAFETY AND PROTECTION OF THE PUBLIC - INCLUDING THE POSTING OF DANGER AND OTHER WARNING SIGNS AGAINST HAZARDS.
3	DEMOLITION SHALL BE ACCOMPLISHED WITH APPROPRIATE TOOLS AND OR EQUIPMENT SO AS TO NOT CREATE DAMAGE TO AREAS THAT ARE INTENDED TO REMAIN INTACT. ANY DAMAGE CAUSED BY DEMOLITION SHALL BE THE OF THE DEMOLITION CONTRACTOR.
4	IN THE EVENT OF THE REMOVAL OF ANY LOAD BEARING PARTITION OR STRUCTURE, APPROPRIATE SHORING SHALL BE PROVIDED AS REQUIRED TO SUPPORT THE ADJACENT LOADS OR STRUCTURE. SHORING SHALL BE DESIGNED TO SUPPORT FULLY THE LOADS SUPERIMPOSED WITH THE APPROPRIATE SAFETY FACTORS. CALCULATIONS, DESIGN, AND/OR EQUIPMENT USED SHALL BE THE SOLE RESPONSIBILITY OF THE DEMOLITION CONTRACTOR. ALL SHORING SHALL COMPLY WITH LOCAL AND FEDERAL STANDARDS, INCLUDING OSHA.
5	ANY CALCULATIONS REQUIRED BY THE MUNICIPALITY FOR ANY SHORING OR OTHER TEMPORARY SUPPORT SHALL BE THE SOLE RESPONSIBILITY OF THE DEMOLITION CONTRACTOR.
6	SURVEY THE CONDITION OF THE BUILDING TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF THE STRUCTURE OR ADJACENT STRUCTURES DURING SELECTIVE DEMOLITION.
7	PERFORM SURVEYS AS THE WORK PROGRESSES TO DETECT HAZARDS RESULTING FROM SELECTIVE DEMOLITION ACTIVITIES.
8	MAINTAIN EXISTING UTILITIES WHERE APPLICABLE TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS.
9	CONDUCT DEMOLITION OPERATIONS TO ENSURE MINIMAL INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES. REMOVE & TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON SITE. TRANSPORT DEMOLISHED MATERIALS OFF LANDLORD'S PROPERTY AND LEGALLY DISPOSE OF THEM DAILY.
10	SWEEP THE BUILDING BROOM CLEAN DAILY ON COMPLETION OF SELECTIVE DEMOLITION OPERATION.
11	CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT: A) ALL ABANDONED ABOVE GRADE PLUMBING LINES MUST BE COMPLETELY REMOVED TO CAPPED 'TEE' AT ACTIVE LINE. B) ALL ABANDONED BELOW GRADE PLUMBING LINES MUST BE EITHER CAPPED AT TOP OF SLAB ELEVATION, OR COMPLETELY REMOVED BACK TO CAPPED 'TEE' AT ACTIVE LINE. DO NOT BURY OR CONCEAL AN ACTIVE BRANCH STUB.
12	ALL WATER PIPING FROM ABANDONED / REMOVED FIXTURES TO BE DISCONNECTED FROM ITS SUPPLY PIPING SO THAT NO DEAD ENDS EXIST IN THE WATER SYSTEM. (TYPICAL).
13	EXISTING FIRE EXTINGUISHERS ARE TO BE REMOVED / RECONDITIONED AND SAVED FOR REUSE PER LOCAL BUILDING CODE REQUIREMENTS.

GENERAL NOTES

14	CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT: A) REMOVED TO CAPPED 'TEE' AT ACTIVE LINE. B) AT TOP OF SLAB ELEVATION, OR COMPLETELY REMOVED BACK TO CAPPED 'TEE' AT ACTIVE LINE. DO NOT BURY OR CONCEAL AN ACTIVE BRANCH STUB.
15	ALL WATER PIPING FROM ABANDONED / REMOVED FIXTURES TO BE DISCONNECTED FROM TS SUPPLY PIPING SO THAT NO DEAD ENDS EXIST IN THE WATER SYSTEM. (TYPICAL).

PLAN LEGEND

	EXISTING WALL TO REMAIN
	EXISTING WALL TO BE REMOVED
	EXISTING DOOR TO REMAIN
	EXISTING DOOR TO BE REMOVED
	AREA NOT IN CONTRACT

KEYNOTES

1	EXISTING FULL HEIGHT DEMISING WALL TO REMAIN. PATCH AND REPAIR ANY OPENINGS AS REQUIRED TO MAINTAIN THE REQUIRED RATING.
2	EXISTING INTERIOR WALLS AND DOORS TO BE REMOVED - SHOWN DASHED. PATCH AND REPAIR FLOOR AND CONNECTING WALLS AS NEEDED.
3	EXISTING EXTERIOR WALL TO REMAIN.
4	EXISTING STOREFRONT SYSTEM AND EXTERIOR DOOR(S) TO REMAIN. REPAIR AND PAINT AS NEEDED.
5	ALL EXISTING PLUMBING FIXTURES AND ACCESSORIES TO REMAIN - BRING TO A LIKE NEW CONDITION.
6	EXISTING LIGHT FIXTURES, CONDUIT AND WIRING TO BE REMOVED BACK TO NEAREST J-BOX.
7	EXISTING HVAC SUPPLY DIFFUSERS, AIR RETURN GRILLES TO BE REMOVED. EXISTING DUCTWORK ABOVE TO BE FIELD VERIFIED FEASIBILITY OF REUSE PER NEW DESIGN. COORDINATE WITH MECHANICAL DRAWINGS.
8	EXISTING SPRINKLER HEADS TO REMAIN OR BE RELOCATED AS NEEDED TO ACCOMMODATE NEW LAYOUT OF PROPOSED SPACE.
9	REMOVE EXISTING FLOOR DRAIN - PATCH FLOOR AS REQUIRED.
10	EXISTING MOP SINK TO REMAIN - BRING TO A LIKE NEW CONDITION.
11	EXISTING STRUCTURAL COLUMN IS TO REMAIN UNALTERED.
12	EXISTING ELECTRICAL PANEL TO BE REMOVED. G.C. TO FIELD VERIFY WORKING CONDITION AND FEASIBILITY FOR REUSE. COORDINATE WITH ENGINEERING DRAWINGS.
13	REMOVE EXISTING WATER HEATER.
14	REMOVE ALL INTERIOR FINISHES (FLOOR, BASE, WALL, TRIM) THROUGHOUT SPACE, U.O.N. PREP FOR NEW SCHEDULED FINISHES.
15	REMOVE EXISTING GYP. BD. & ACT CEILING, SOFFITS, LIGHT FIXTURES & ANY UNUSED WIRES/CONDUITS THROUGHOUT. PREP FOR NEW CEILING FINISHES. COORDINATE WITH REFLECTED CEILING PLAN.
16	EXISTING BANQUETTE BOOTH TO REMAIN. GC TO CARFULLY TRIM EXISTING BANQUETTE BOOTH TO SIZE AS NOTED IN PLANS. PATCH AND REPAIR TO LIKE NEW CONDITION. ENSURE NO ROUGH EDGES. PREP SURFACE FOR NEW FINISHES.
17	EXISTING FIXTURE TO BE RELOCATED. REFER TO A101 FOR NEW LOCATION.
18	EXISTING WALK-IN-COOLER AND FREEZER AND IT'S FIXTURES TO REMAIN - G.C. TO SERVICE AND BRING TO A LIKE NEW CONDITION.
19	EXISTING INTERIOR WALL TO REMAIN.
20	EXISTING FIXTURE TO REMAIN.
21	EXISTING FURNITURE TO BE REMOVED. UNLESS NOTED OTHERWISE.
22	EXISTING TV TO BE RELOCATED WHERE INDICATED IN PLANS.

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CONSULTANT:

DRAWING SEAL:

LICENSED ARCHITECT
ROBERT J. SARGENTI
No. C-31054
07/31/27
Renewal Date
STATE OF CALIFORNIA

06/23/26

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS
3	06/08/26	DEVELOPMENT COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 449 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

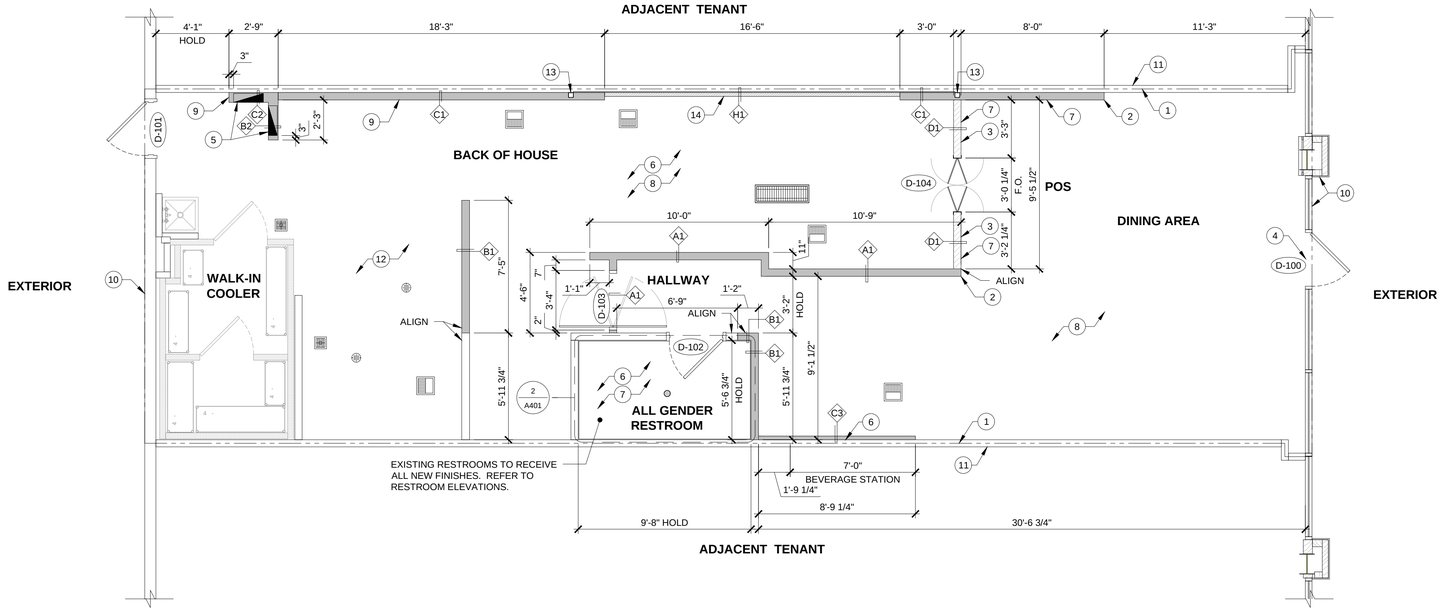
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AD REVIEWED BY: AE

TITLE:

DEMOLITION AND SITE VERIFICATION FLOOR PLAN

SHEET NUMBER:

D001



REQUIREMENT NOTE:
G.C. TO VERIFY ALL DIMENSIONS AND EXISTING SITE CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK. INFORM OWNER AND ARCHITECT IF CONDITIONS DIFFER FROM PLANS.

CONSTRUCTION FLOOR PLAN

1/4" = 1'-0"

1

WALL TYPE LEGEND

TAG	DESCRIPTION (SEE SHEET A501)
A1	(N) FULL HT.WALL WITH 3-5/8" METAL STUDS: 3-5/8" 20 GA METAL STUDS @ 16" O.C. (MAX.) WITH (1) LAYER 5/8" TYPE 'X' GYP. BD. ON BOTH SIDES TO DECK - USE DUROCK UP TO 1'-0" AT WET LOCATIONS. SEE DETAIL 1/A501.
B1	(N) INTERIOR WALL WITH 3 5/8" METAL STUDS UP TO 6" ABOVE CEILING: 3-5/8" 20 GA METAL STUDS @ 16" O.C. (MAX.) WITH (1) LAYER 5/8" TYPE 'X' GYP. BD. ON BOTH SIDES TO 6" ABOVE CEILING, - USE DUROCK UP TO 2'-0" AT WET LOCATIONS. MOISTURE RESISTANT GYP. BD. AT ALL WALLS WITH PLUMBING FIXTURES. PROVIDE STIFFENERS @ 4'-0" O.C. VERTICALLY, TYP. UNO. SEE DETAIL 2/A501.
B2	(N) INTERIOR WALL WITH 3 5/8" METAL STUDS UP TO 6" ABOVE CEILING: 6" 20 GA METAL STUDS @ 16" O.C. (MAX.) WITH (1) LAYER 5/8" TYPE 'X' GYP. BD. ON BOTH SIDES TO 6" ABOVE CEILING, - USE DUROCK UP TO 2'-0" AT WET LOCATIONS. MOISTURE RESISTANT GYP. BD. AT ALL WALLS WITH PLUMBING FIXTURES. PROVIDE STIFFENERS @ 4'-0" O.C. VERTICALLY, TYP. UNO. SEE DETAIL 2/A501.
C1	(N) WALL FURRING: 3-5/8" METAL STUDS @ 16" O.C. (MAX.) UP TO 6" ABOVE CEILING WITH 5/8" WATER RESISTANT GYPSUM BOARD ON ONE SIDE. USE DUROCK UP TO 1'-0". SEE DETAIL 3/A501.
C2	(N) WALL FURRING: 6" METAL STUDS @ 16" O.C. (MAX.) UP TO 6" ABOVE CEILING WITH 5/8" WATER RESISTANT GYPSUM BOARD ON ONE SIDE. USE DUROCK UP TO 1'-0". SEE DETAIL 3/A501.
C3	(N) FURRING CHANNEL: 2-1/2" FURRING CHANNEL @ 16" O.C. (MAX.) UP TO 6" ABOVE CEILING WITH 5/8" WATER RESISTANT GYPSUM BOARD ON ONE SIDE. USE DUROCK UP TO 1'-0". SEE DETAIL 3/A501.
D1	(N) PART. HT. T.O. WALL @ 60" A.F.F. WITH 3-5/8" METAL STUDS: 3-5/8" 20 GA METAL STUDS @ 16" O.C. (MAX.) WITH (1) LAYER 5/8" WATER RESISTANT GYPSUM BOARD ON BOTH SIDES - USE DUROCK UP TO 1'-0" AT WET LOCATIONS. SEE DETAIL 4/A501.
H1	(N) HOOD STAND-OFF FURRING CHANNEL: 18 GA STAINLESS STEEL PANELS OVER 1/2" CEMENT BACKER BOARD WITH 1" MINERAL WOOL BATTS WITHIN CAVITY OVER 1-1/2" FURRING CHANNEL @ 16" O.C. (MAX.). EXTEND 18" PAST HOOD IN ALL DIRECTIONS AND 6" ABOVE CEILING IN THE VERTICAL DIRECTION, WHICHEVER IS HIGHER. REPLACE EXISTING GYP. BOARD AT DEMISING WALL WITH (1) LAYER OF 5/8" TYPE X GYP. BOARD AT ALL WOOD MEMBERS. REFER TO 4/A501.1 FOR DETAILS.

NOTE: REFER TO SHEET A501 AND A501.1 FOR MORE WALL DETAILS.

PLAN LEGEND

1	KEYNOTE
D - #	DOOR TAG (REFER TO A400).
#	WALL TYPE (REFER TO A501)
	NEW FULL HEIGHT WALL
	NEW FULL HEIGHT HOOD STAND-OFF WALL
	NEW PARTIAL HEIGHT WALL
	EXISTING WALL TO REMAIN

GENERAL NOTES

1	ALL DIMENSIONS ARE TO FINISH FACE OF WALLS.
2	GENERAL CONTRACTOR SHALL CONSULT WITH THE TMAD CONSTRUCTION MANAGER AND ARCHITECT TO RESOLVE ANY CHANGES, OMISSIONS OR PLAN DISCREPANCIES PRIOR TO BIDDING OR CONSTRUCTION.
3	ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH LOCAL, COUNTY, STATE AND FEDERAL CODES AND ORDINANCES.
4	GENERAL CONTRACTOR SHALL VERIFY THE LOCATION OF ALL SITE UTILITIES.
5	GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS, INCLUDING CLEARANCES REQUIRED BY OTHER TRADES AND NOTIFY CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK. ALL DIMENSIONS ARE TO THE FACE OF THE FINISHED SURFACE UNLESS NOTED OTHERWISE. ALL DIMENSIONS TO BE TAKEN FROM DESIGNATED DATUM POINT. DO NOT SCALE DRAWINGS.
6	GENERAL CONTRACTOR SHALL RETAIN ONE SET OF THE PLANS TO NOTE AND DOCUMENT ALL CHANGES DURING CONSTRUCTION. THIS SET SHALL BE A PART OF THE GENERAL CONTRACTOR ' S "CLOSE-OUT " PACKAGE.
7	FOR THE PURPOSE OF THE DOCUMENTS, TO " INSTALL " , SHALL MEAN TO PROVIDE ALL FASTENERS, MISCELLANEOUS HARDWARE, BLOCKING, ELECTRICAL CONNECTIONS, PLUMBING CONNECTIONS, AND OTHER ITEMS REQUIRED FOR A COMPLETE AND OPERATIONAL INSTALLATION, UNLESS OTHERWISE NOTED.
8	ALL ITEM SUBSTITUTIONS MUST BE APPROVED BY THE TMAD DESIGN MANAGER.
9	REFER TO EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
10	G.C. TO VERIFY ALL DIMENSIONS AND EXISTING SITE CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK. INFORM OWNER AND ARCHITECT IF CONDITIONS DIFFER FROM PLANS.
11	REFER TO DETAIL 10 AND 11 ON A504 FOR GENERAL SLAB AND TRENCH INFILL DETAILS. C.G. TO COORDINATE WITH STRUCTURAL ENGINEER. INFORM ARCHITECTS AND CONSTRUCTION MANAGER OF ANY DISCREPANCIES.

KEYNOTES (#)

1	LEASE LINE.
2	NEW LOW WALL/BULKHEAD/SOFFIT CONSTRUCTION TO ALIGN WITH FULL HEIGHT WALL/CORNER TRANSITION TO BE SEAMLESS. REFER TO DETAIL B ON 2/A504.
3	PARTIAL HEIGHT WALL, REFER TO 4/A501.
4	ELEC. CONTR. TO PROVIDE NEW J.BOX ON INSIDE OF EXISTING WALL FOR EXTERIOR WALL MTD SIGNAGE. COORDINATE WITH OWNERS SIGN VENDOR. REFER TO ELECTRICAL DRAWINGS FOR FURTHER INFORMATION.
5	LOCATION OF NEW ELECTRICAL PANELS, COORDINATE WITH ELECTRICAL DRAWINGS FOR FURTHER INFORMATION.
6	G.C. TO PROVIDE AND INSTALL 5/8" DUROCK CEMENT BOARD FROM FLOOR UP TO 12" A.F.F. SEAL AT FLOOR PRIOR TO INSTALLING FINISHES. TYPICAL AT BOH AND RESTROOMS. (ALL WET AREAS).
7	PROVIDE FIBER CEMENT BOARD BEHIND ALL WALL TILE.
8	GC TO PATCH AND REPAIR ALL EXISTING WALLS AS NEEDED TO ACCEPT NEW FINISHES.
9	FURRED OUT WALL AS SHOWN FOR NEW PLUMBING AND ELECTRIC.
10	EXISTING EXTERIOR WALL TO REMAIN. PATCH, REPAIR, AND COMPLETE ANY UNFINISHED PORTIONS OF THE ASSEMBLY AS REQUIRED BY CODE. G.C. TO VERIFY EXISTING CONDITIONS IN THE FIELD PRIOR TO FINALIZING BIDS AND BEFORE THE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DESIGNER AND CONSTRUCTION MANAGER
11	EXISTING DEMISING WALL TO REMAIN. PATCH, REPAIR, AND COMPLETE ANY UNFINISHED PORTIONS OF THE ASSEMBLY AS REQUIRED BY CODE. G.C. TO VERIFY EXISTING CONDITIONS IN THE FIELD PRIOR TO FINALIZING BIDS AND BEFORE THE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DESIGNER AND CONSTRUCTION MANAGER
12	G.C. TO INSPECT AND ENSURE EXISTING DRAINS ARE FLUSH WITH NEW FLOOR FINISHES.
13	NEW STRUCUTAL HOOD SUPPORT COLUMNS. REFER TO STRUCTURAL.
14	LOCATION OF FURRED OUT HOOD STAND-OFF WALL BEHIND HOOD AS SHOWN FOR FIRE PROTECTION. FIRE SEAL ALL PERIMETER EDGES. REFER TO STRUCTURAL DRAWINGS FOR FURTHER INFORMATION.

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CONSULTANT:

DRAWING SEAL:

LICENSED ARCHITECT
ROBERT J. SARGENTI
No. C-31054
07/31/27
Renewal Date
STATE OF CALIFORNIA

06/23/26

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS
3	06/08/26	DEVELOPMENT COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 449 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

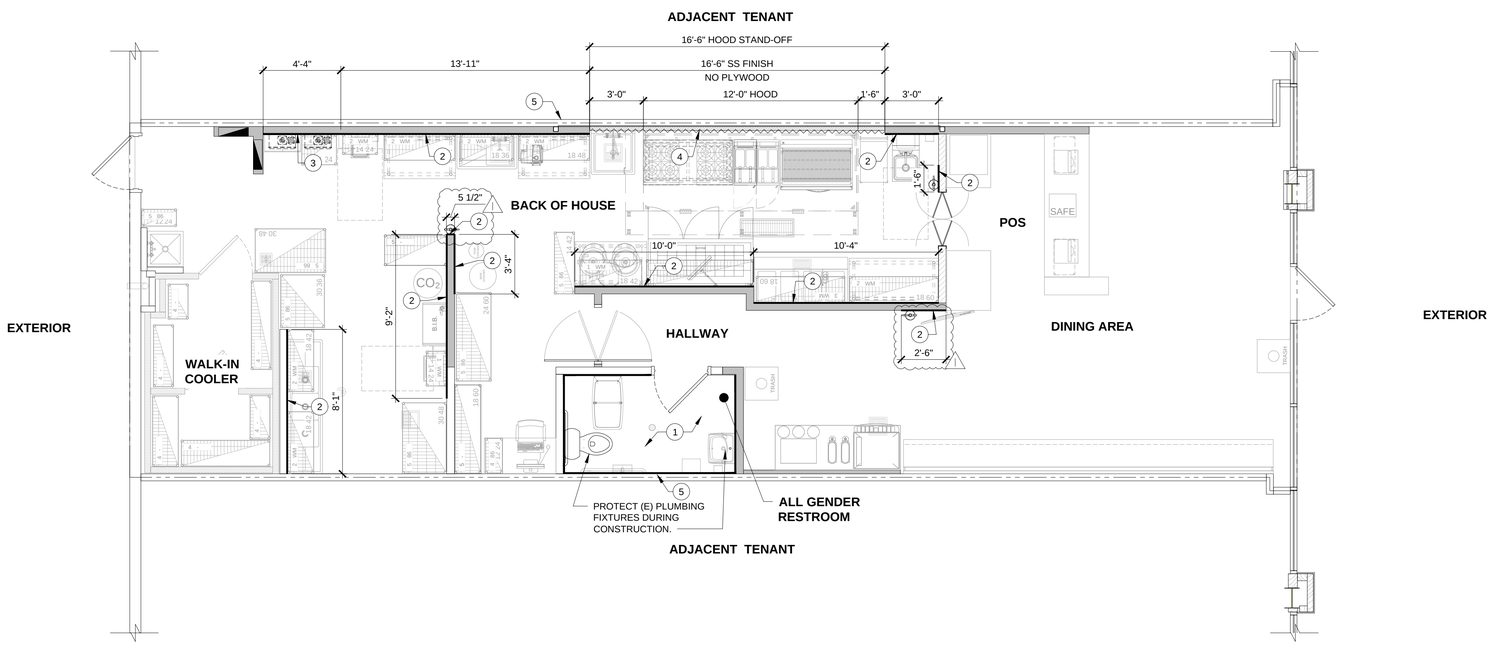
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AD
REVIEWED BY: AD / AE

TITLE:

CONSTRUCTION FLOOR PLAN

SHEET NUMBER:

A100



BLOCKING FLOOR PLAN

1/4" = 1'-0" | 1

GENERAL NOTES

1	ALL PLYWOOD BLOCKING SHALL BE FIRE-RETARDANT CDX EXTERIOR GRADE.
2	INSTALL PLYWOOD APPROX 1" AFF.
3	PROVIDE MOISTURE RESISTANT GYP. BOARD AT ALL KITCHEN AND RESTROOM WALLS WHERE PLYWOOD IS NOT INSTALLED.
4	TAPE AND FLOAT JOINTS BETWEEN PLYWOOD AND GYPSUM BOARD.
5	ALL ITEM SUBSTITUTIONS MUST BE APPROVED BY THE TMAD DESIGN MANAGER.
6	REFER TO EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.

REQUIREMENT NOTE

1	G.C. TO PROVIDE AND INSTALL ALL WALL BACKING PER DIMENSIONS ON ARCHITECTURAL BLOCKING PLAN.
2	ALL DIMENSIONS ON ARCHITECTURAL BLOCKING PLAN SUPERSEDE THE KITCHEN EQUIPMENT AND FURNISHINGS DRAWINGS.

KEYNOTES

1	5/8" PLYWOOD FROM 0'-1/2" TO 5'-6" BETWEEN STUDS. PROVIDE 5/8" CEMENT BOARD FROM 0'-1/2" TO 5'-0" IN LIEU OF GWB (RESTROOM WALLS).
2	5/8" PLYWOOD FROM 2'-9" TO 7'-9" OR WALL HEIGHT AT LOW WALLS, IN LIEU OF GWB (BACK OF HOUSE WALLS).
3	5/8" PLYWOOD FROM 7'-0" TO CEILING IN LIEU OF GWB (ABOVE CASED OPENINGS & AT TANKLESS WATER HEATERS).
4	18GA STAINLESS STEEL WALL PANELS AT HOOD TO EXPAND 18" BEYOND HOOD LINE IN ALL DIRECTIONS, BY GC.
5	MAINTAIN THE INTEGRITY AND FIRE RATING OF DEMISING WALL WHEN ADDING BLOCKING.

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TERIYAKI MADNESS
STORE #: 449 AT APPLE VALLEY
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PROJECT INFORMATION:

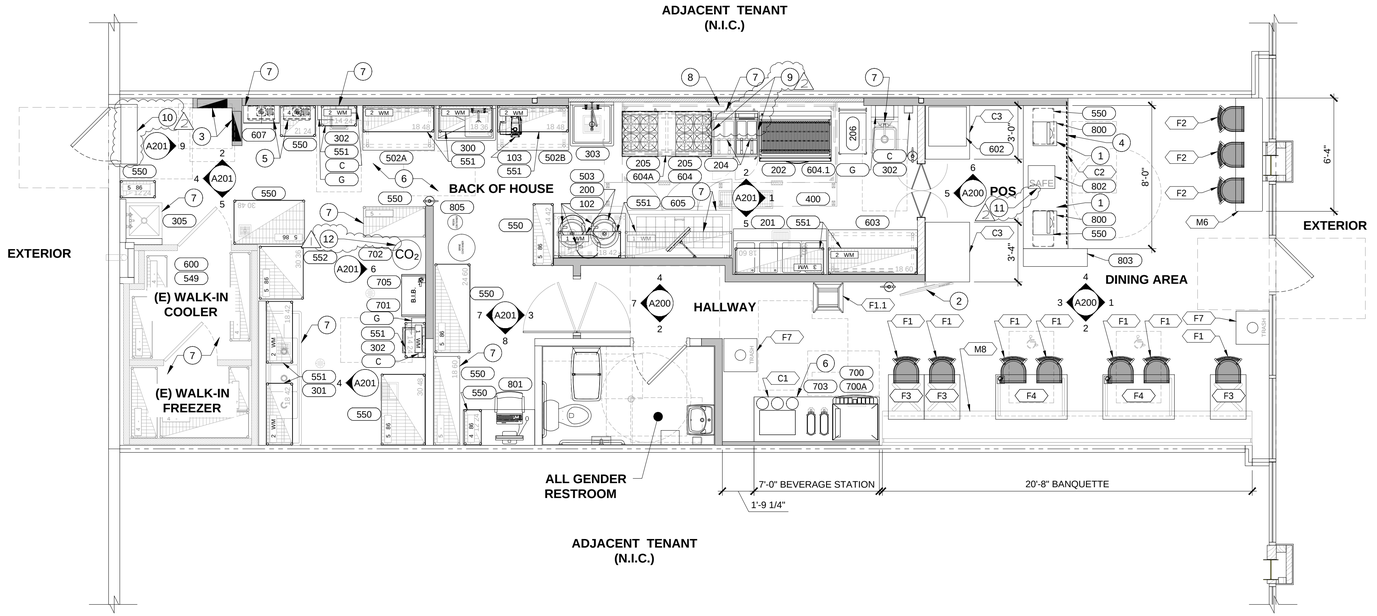
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: MR REVIEWED BY: AD

TITLE:

BLOCKING
FLOOR PLAN

SHEET NUMBER:

A100.1



KITCHEN NOTES:

- KITCHEN/DINING FACILITIES WITH A TOTAL TYPE I AND TYPE II HOOD EXHAUST RATE OF LESS THAN OR EQUAL TO 5,000 CFM ARE NOT REQUIRED TO COMPLY WITH TABLE 140.9-C PER 2025 CENC 140.9(B)1B.
- HOOD IS EQUIPPED WITH VERTICAL END PANELS INCLUDED WITH THIS HOOD THAT ARE A LISTED ASSEMBLY OF THE HOOD AND THAT ALLOW FOR AN OVERHANG CLEARANCE REDUCTION TO 0".
- WOK SINK USE: TO PREVENT SUGAR CRYSTALLIZATION FROM THE SAUCES USED IN COOKING, WATER IS ADDED TO THE WOK SINK IMMEDIATELY AFTER USE TO HELP LOOSEN RESIDUE. IF NOT ADDRESSED RIGHT AWAY, THE CRYSTALLIZED RESIDUE BECOMES EXTREMELY DIFFICULT TO REMOVE, HOWEVER, DUE TO THE HIGH TEMPERATURES OF THE WOKS, CARRYING THEM ACROSS THE KITCHEN TO THE THREE-COMPARTMENT SINK AFTER EACH USE PRESENTS A BURN RISK. INSTEAD, EACH WOK IS PROPERLY WASHED IN THE THREE-COMPARTMENT SINK AFTER THIS INITIAL STEP IN THE WOK SINK, ENSURING BOTH SAFETY AND SANITATION.
- DIVERSEY CHEMICAL DISPENSING EQUIPMENT REQUIRED AT ALL APPLICABLE FIXTURES. EQUIPMENT TO BE APPROVED, PROVIDED AND INSTALLED BY VENDOR.

FURNITURE NOTES:

- G.C. TO CONFIRM HEIGHTS OF FURNITURE WITH FURNITURE PACKAGE BEFORE ANY MEASURING OR INSTALLING OF ARTWORK.

CO2 TANK NOTES:

- TOTAL CO2 SYSTEM SIZE IS 90 LBS. GC TO CONFIRM WITH FIRE MARSHAL ANY MONITORING REQUIREMENTS AND SUBMIT FOR ANY MONITORING PERMITS SEPARATELY AS NEEDED.
- CO2 TANK SHALL NOT EXCEED 100 LBS. IN TOTAL QUANTITY AT ANY TIME.
- CO2 TANK SHALL BE STORED AND INSTALLED IN AN APPROVED LOCATION PER MANUFACTURER'S SPECIFICATIONS AND APPLICABLE CODES.
- CO2 TANK SHALL BE PROPERLY SECURED AND RESTRAINED TO PREVENT TIPPING OR MOVEMENT.
- CO2 TANK INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND REGULATIONS.
- ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND APPROVED DRAWINGS.

FURNITURE, FIXTURE AND EQUIPMENT FLOOR PLAN

1/4" = 1'-0"

1

FURNITURE SCHEDULE

TAG	QTY	DESCRIPTION	MODEL	MFG.	COMMENTS
C1	1	BEVERAGE COUNTER	-		SOLID SURFACE COUNTER - 7'-0"L x 2'-6"W TO BE MOUNTED 2'-10"H A.F.F.; SODA DISPENSER LOCATED TO THE LEFT.
C2	1	POS COUNTER	POS	CSI AFFILIATE	SOLID SURFACE COUNTER - 8'-0"L x 2'-6"W TO BE MOUNTED 2'-10" H A.F.F.
C3	2	BACK COUNTER			SOLID SURFACE COUNTER. REFER TO PLAN FOR LENGTH. MOUNTED 2'-10" H A.F.F.
F1	7	CHAIR - DINING ROOM	4613	G&A	BLACK WOOD FRAME, BLACK WOOD SEAT
F1.1	1	WOOD HIGH CHAIR	TBD	TBD	FINISH TO MATCH DINING CHAIRS.
F2	3	BARSTOOL - DINING ROOM	9512	G&A	BLACK WOOD FRAME, BLACK WOOD SEAT
F3	3	24" x 30" DINING ROOM TABLE, INCLUDES (1) TABLE BASE	WDL2430	OAK STREET	-
F4	2	30" x 48" DINING ROOM TABLE, INCLUDES (2) T-BASES PER TOP - ADA HEIGHT	WDL3048	OAK STREET	-
F4.1	0	BOOTH DINING TABLE	WDL3048	OAK STREET	30" x 48" TABLE WITH ONE PEDESTAL BASE.
F5	0	30" ROUND DINING ROOM TABLE, INCLUDES (1) TABLE BASE - BAR HEIGHT	WDL30R-BAR	OAK STREET	-
F6	0	30" ROUND DINING ROOM TABLE, INCLUDES (1) TABLE BASE- STANDARD HEIGHT	WDL30R-STD	OAK STREET	-
F7	2	TRASH RECEPTACLE W/ TOTE - DINING ROOM	M8520	OAK STREET	-
M6	1	DINING LEDGE	CUSTOM	MILLWORK	IN MILLWORK PACKAGE.
M7	0	48" SINGLE BOOTH	CUSTOM	MILLWORK	-
M7.1	0	48" DOUBLE BOOTH	CUSTOM	MILLWORK	-
M8	1	BANQUETTE	-	-	EXISTING
M9	-	WAINSCOT PANEL	WAINSCOT PANEL	MSW	LOCATED ON DINING ROOM WALLS. REFER TO DETAIL 3/A504 AND DETAIL 5/A504.

KITCHEN ACCESSORY SCHEDULE

TAG	QTY	SPECIFICATIONS	MODEL	MFG.	FURNISHED BY	INSTALLED BY
C	3	SOAP DISPENSER	#B-40	BOBRICK	GC	GC
G	3	PAPER TOWEL DISPENSER	ENMOTION #59462 TRANSLUCENT SMOKE	GEORGIA PACIFIC	OWNER	GC

EXISTING FIXTURE SCHEDULE

QTY	SPECIFICATIONS	MODEL	MFG.	
2	HAND SINK	EXISTING	EXISTING	G.C. IS RESPONSIBLE FOR FIELD VERIFICATION OF SIZE AND WORKING CONDITIONS.
1	FRYER	EXISTING	EXISTING	G.C. IS RESPONSIBLE FOR FIELD VERIFICATION OF SIZE AND WORKING CONDITIONS.
1	LOCKER	EXISTING	EXISTING	G.C. IS RESPONSIBLE FOR FIELD VERIFICATION OF SIZE AND WORKING CONDITIONS.
2	SHELVING	EXISTING	EXISTING	G.C. IS RESPONSIBLE FOR FIELD VERIFICATION OF SIZE AND WORKING CONDITIONS.
1	REFRIGERATED SANDWICH UNIT AND SHELVING	EXISTING	EXISTING	G.C. IS RESPONSIBLE FOR FIELD VERIFICATION OF SIZE AND WORKING CONDITIONS.
1	MOP SINK	EXISTING	EXISTING	G.C. IS RESPONSIBLE FOR FIELD VERIFICATION OF SIZE AND WORKING CONDITIONS.
1	3-COMP SINK	EXISTING	EXISTING	G.C. IS RESPONSIBLE FOR FIELD VERIFICATION OF SIZE AND WORKING CONDITIONS.
1	WALK-IN COOLER WITH SHELVING	EXISTING	EXISTING	G.C. IS RESPONSIBLE FOR FIELD VERIFICATION OF SIZE AND WORKING CONDITIONS.
1	AIR CURTAIN	EXISTING	EXISTING	G.C. IS RESPONSIBLE FOR FIELD VERIFICATION OF SIZE AND WORKING CONDITIONS.

GENERAL NOTES

1. ALL EQUIPMENT SHALL BE NSF APPROVED AND SHALL BE INSTALLED PER LOCAL HEALTH DEPARTMENT REQUIREMENTS.
2. VERIFY ALL DIMENSIONS WITH EQUIPMENT SUPPLIER. WHERE ITEMS ARE TO BE BUILT-IN AND OR CUT OUTS ARE REQUIRED FOR INSTALLATION.
3. ALL EQUIPMENT INDICATED ON THE EQUIPMENT SCHEDULE SHALL BE DELIVERED AND INSTALLED BY THE EQUIPMENT SUPPLIER U.O.N. FINAL HOOK UP IS BY THE GC.
4. NO PIPING, WIRE, CONDUIT, ETC. SHALL BE EXPOSED MORE THAN THE MINIMUM REQUIRED TO INSTALL PROPER FITTINGS AND ESCUTCHEON PLATES.
5. IT IS THE GC'S RESPONSIBILITY TO FIRMLY ANCHOR ANY EQUIPMENT WHICH IS REQUIRED TO BE FIXED. CAULK AND SEAL TO WALLS AND FLOOR AS REQUIRED.
6. GC TO ASSEMBLE AND ANCHOR ALL FIXED FURNITURE AS REQUIRED PER MANUFACTURER SPECIFICATIONS.
7. MILLWORK TO BE FURNISHED BY OWNERS VENDOR. GC TO COORDINATE AND INSTALL.
8. TV PROVIDED BY OWNER. GC TO PROVIDE AND INSTALL BLOCKING AS REQUIRED.
9. ACCESSIBLE TABLES TO BE PROVIDED WHERE SHOWN ON PLAN WITH H/C SYMBOL.
10. REFER TO KITCHEN DRAWINGS FOR KITCHEN EQUIPMENT AND EQUIPMENT SCHEDULE INFORMATION.

KEYNOTES

1. GC TO COORDINATE LOCATION OF GROMMETS IN COUNTERS FOR EQUIPMENT BELOW REFER TO MILLWORK DRAWINGS FOR FURTHER INFORMATION.
2. COORDINATE WITH OWNER FOR TV LOCATION AND HEIGHT. TV PROVIDED BY OWNER. GC TO PROVIDE POWER AND BLOCKING AS REQUIRED.
3. LOCATION OF ELECTRICAL PANELS. REFER TO ELECTRICAL SHEETS FOR FURTHER INFORMATION.
4. UNDERCOUNTER LED TAPE LIGHT REFER TO LIGHTING SCHEDULE FOR DETAILS.
5. LOCATION OF TANKLESS WATER HEATERS. REFER TO PLUMBING DRAWINGS FOR MORE INFORMATION.
6. REFER TO KITCHEN CONSULTANT DRAWINGS FOR ALL KITCHEN EQUIPMENT, BEVERAGE EQUIPMENT, AND FIXTURE RELATED INFORMATION.
7. NEW LOCATION OF EXISTING FIXTURE.
8. GREASE DUCT TO BE PROTECTED WITH 2-HOUR FIRE-RATED WRAP PER NFPA 96 FROM HOOD COLLAR TO ROOF TERMINATION.
9. L&R 18" SPLASH GUARDS REFER TO INTERIOR ELEVATIONS AND KITCHEN DRAWINGS.
10. EXISTING AIR CURTAIN MOUNTED ON CENTER ABOVE SERVICE TO REMAIN. GC TO CONFIRM WORKING ORDER.
11. SAFE TO BE DRILLED AND SECURED TO THE FLOOR WITH COVE BASE (B-2) AROUND ALL SIDES. GC TO ENSURE SAFE DOOR SWING REMAINS OPERATIONAL.
12. CO2 TANK TO BE SECURED IN PLACE AND STRAPPED TO ADJACENT WALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE BLOCKING AS NEEDED.

EQUIPMENT SCHEDULE

TAG	QTY	DESCRIPTION	MFG.	MODEL# / SPEC / REMARKS	PROVIDED BY	INSTALLED BY
102	3	RICE WARMER	WINCO	RW-S451	KES	KES
103	1	FOOD PROCESSOR	SAMMIC	CA-311	KES	KES
200	2	RICE COOKER (ELECTRIC)	TOWN	57155	KES	KES
201	1	HOT FOOD TABLE-ON CASTERS	ADVANCE TABCO	SW-4E-120	KES	KES
202	1	48" BROILER	IMPERIAL	IRB-48	KES	KES
204	2	FRYER	IMPERIAL	IFS-40; 1 NEW, 1 EXISTING / RELOCATED	KES	KES
205	2	24" HOT PLATE 4 BURNERS	IMPERIAL	IHPA-4-24	KES	KES
206	1	UTILITY CART	VOLLRATH	97120	KES	GC
300	1	ONE (1) COMPARTMENT SINK	JOHN BOOS	1B184-1D18L	KES	GC
301	1	THREE (3) COMPARTMENT SINK	EXISTING	EXISTING	EXISTING	GC
302	3	HAND SINK (WALL MOUNT)	JOHN BOOS	PBHS-W-1410-P-SSLR; 1 NEW, 2 EXISTING / RELOCATED	KES	GC
303	1	WOK SINK	JOHN BOOS	E1S8-24-14	KES	GC
305	1	MOP SINK	EXISTING	EXISTING; MOP RACK BY OTHERS	GC	GC
400	1	EXHAUST HOOD	CAPTIVE AIRE	CUSTOM	KES	GC
502A	1	WORK TABLE 30X48-ON CASTERS	JOHN BOOS	ST6R5-3048SSK-X	KES	GC
502B	1	WORK TABLE 30X48-ON CASTERS	JOHN BOOS	ST6R5-3048SBK-X	KES	KES
503	1	WORK TABLE 30X48-ON CASTERS	JOHN BOOS	ST6R5-3048SSK-X	KES	KES
549	LOT	WALK IN COOLER/FREEZER SHELVING	EXISTING	EXISTING	EXISTING	KES
550	LOT	WIRE FLOOR SHELVING	QUANTUM	SEE PLAN	KES	KES
551	LOT	WALL SHELVING	QUANTUM	SEE PLAN	KES	KES
552	1	DISH DRYING SHELF	QUANTUM	SEE PLAN	KES	KES
600	1	WALK IN COOLER	EXISTING	EXISTING	EXISTING	GC
602	1	REFRIGERATED BEV MERCHANDISER	BY OTHERS	BY OTHERS	VENDOR	GC
603	1	SS WORK TABLE-ON CASTERS	JOHN BOOS	ST6R5-3060SSK-X	KES	KES
604	1	EQUIPMENT STAND	JOHN BOOS	GS6-3060SSK-X	KES	KES
604A	1	SAUCE STAND	CUSTOM	SS WIRE SHELF	KES	KES
604.1	1	48" REFRIGERATED GRIDDLE STAND	ATOSA	MGF8450GR	KES	KES
605	1	48" REFRIGERATED SANDWICH UNIT	EXISTING	EXISTING	EXISTING	KES
607	2	EMPLOYEE LOCKERS	1 NEW, 1 EXISTING	1 NEW, 1 EXISTING	EXISTING	KES
700	1	SODA DISPENSER	BY OTHERS	BY VENDOR	VENDOR	VENDOR
700A	1	ICE MAKER w/o BIN	SCOTSMAN	MC0530MA-1	KES	GC
701	1	WATER FILTER	3M	ICE120-S	KES	GC
702	1	Co2	TAPSCO2	TOTAL 90 LB ALUMINUM CO2 CYLINDER	OWNER	GC
703	2	TEA DISPENSER	BY OTHERS	BY VENDOR	OWNER	GC
705	1	BAG IN A BOX	BY OTHERS	BY OTHERS (LOCATION TBD)	OWNER	GC
800	2	POS SYSTEM	BY OTHERS	BY OTHERS	OWNER	GC
801	1	OFFICE DESK	QUANTUM	24"X48"	KES	KES
802	1	OFFICE SAFE	CENNOX	B2020S-FK1	KES	KES
803	1	TO GO ORDER SHELVING	MSW	CUSTOM	KES	KES
805	1	WATER SOFTENING SYSTEM	CULLIGAN	SELECT 9	KES	VENDOR

NOTE-1: FOR VENDOR CONTACT INFORMATION SEE PROJECT TEAM DIRECTORY ON SHEET G000.

NOTE-2: G.C. TO ENSURE DOOR SWING OF WALK-IN COOLER REFLECTS AS NOTED IN THESE PLANS.

**EQUIPMENT SCHEDULE IS PROVIDED BY KES. CONTRACTOR SHALL CONFIRM MAKE, MODEL, AND SIZE PRIOR TO ORDERING ANY EQUIPMENT. IF ANY DISCREPANCIES EXIST IN SIZE, MAKE OR MODEL CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND ARCHITECT AND AWAIT FOR DIRECTION. SHOULD CONTRACTOR ORDER EQUIPMENT WITHOUT CONFIRMATION, CONTRACTOR DOES SO AT OWN RISK AND ANY ASSOCIATED COST.

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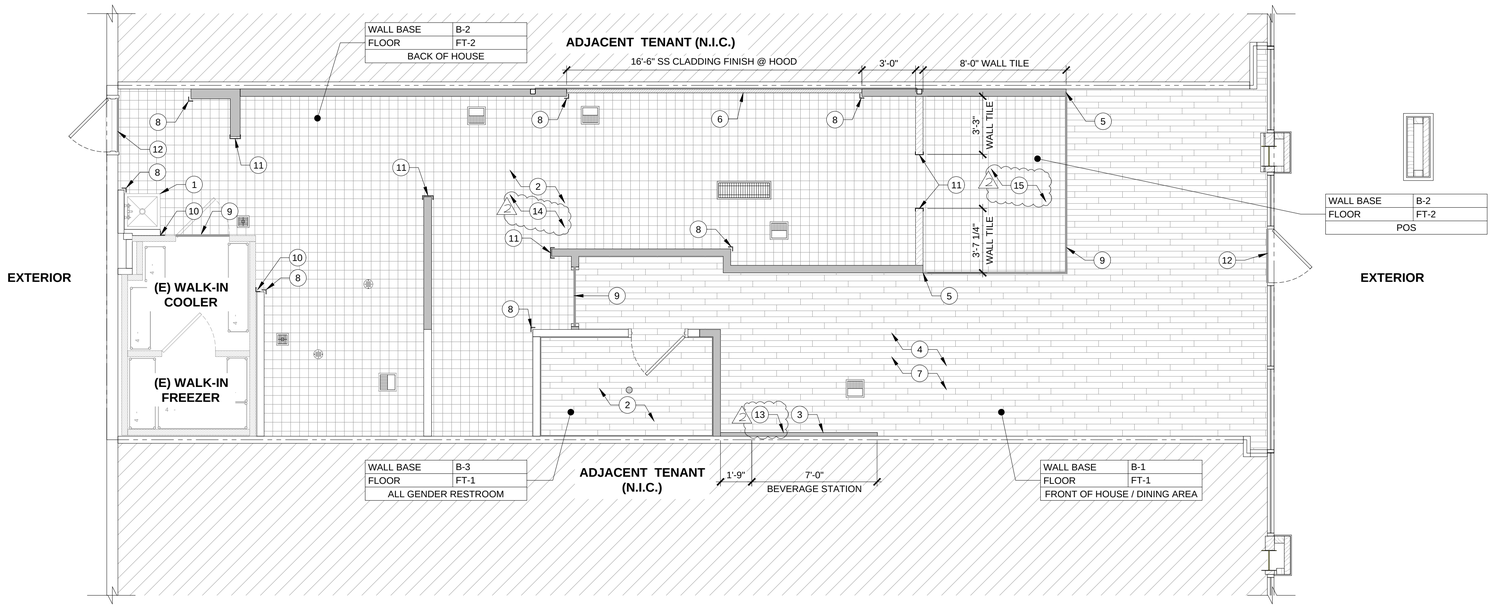
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AD / MR REVIEWED BY: AE / AD

TITLE:

FURNITURE, FIXTURE & EQUIPMENT FLOOR PLAN AND SCHEDULES

SHEET NUMBER:

A101



NOTE:
REFERENCE SHEET A102.1 FOR FINISH SCHEDULE.

ALL EXISTING INTERIOR WALL FINISHES TO BE REMOVED, WALLS PATCHED AND REPAIRED FOR NEW FINISHES.

FINISH FLOOR PLAN

1/4" = 1'-0" | 1

GENERAL NOTES

1	ALL HORIZONTAL SEAMS TO BE SEALED. (I.E. COUNTERTOPS, TILE AND STATIONARY FIXTURES ETC) CLEAR SILICONE (FOOD GRADE) TO BE USED AT KITCHEN EQUIPMENT. PAINTABLE CAULK TO BE USED IN DINING ROOM AND RESTROOMS.
2	FLOORING CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL FLOOR PREP NECESSARY FOR ALL FLOORING.
3	RETURN ALL FINISHES TO WINDOW DOOR FRAMES.
4	REFER TO INTERIOR ELEVATIONS, ENLARGED RESTROOM ELEVATION, AND PLAN SHEET FOR FURTHER INFORMATION.
5	INSTALL ALL FINISHES PER MANUFACTURER SPECIFICATIONS. NO SUBSTITUTIONS UNLESS APPROVED BY ARCHITECT.
6	FIELD VERIFY, ALL MEASUREMENTS AND DIMENSIONS OF SPACE.
7	FLOOR CONTRACTOR TO PROVIDE TRANSITION STRIP APPROVED BY ARCHITECT BETWEEN DIFFERENT FLOOR FINISHES. CHANGE IN FLOOR FINISH TO OCCUR ON CENTER OF THE DOOR WHEN CLOSED OR AS INDICATED ON PLANS.
8	PROVIDE BED OF CHALK FOR RUBBER BASE TO SIT IN ALL AREAS WITH CONCRETE FLOORING.
9	REFER TO MILLWORK SHOP DRAWINGS FOR FURTHER INFORMATION.
10	EPOXY GROUT TO BE USED IN BACK OF HOUSE (BOH).
11	PAINTING CONTRACTOR RESPONSIBLE FOR FILLING ALL NAIL HOLES, SANDING, AND TOUCH UP.
12	NO ACID TO BE USE FOR CLEANING FLOORS AFTER INSTALLATION AND DURING CONSTRUCTION TURNOVER, USE SOAP AND WATER WITH DECK BRUSH.
13	COORDINATE WITH OWNER FOR ALL DECOR AND CEILINGS. REFER TO INTERIOR ELEVATIONS ON INTERIOR ELEVATION SHEET FOR REFERENCE ONLY. ALL FINAL PLACEMENT TO BE DETERMINED BY OWNER.
14	G.C. TO GRIND EXISTING, HEAVY TEXTURED THROUGHOUT SLAB, AS SMOOTH AS POSSIBLE. COORDINATE RESULTS, AND NEXT STEPS TO SEAL WITH THE OWNER.
15	CERAMIC TILE AT RESTROOMS PER TENANT SPECIFICATIONS.

GENERAL NOTES

16	ALL INTERIOR FINISHES SPECIFIED THROUGHOUT THE SPACE SHALL COMPLY, AS PER JURISDICTION, WITH ADOPTED VERSIONS OF IFC CHAPTER 8, IBC CHAPTER 8, NFPA 101, FOR MINIMUM FLAME SPREAD CLASSIFICATIONS. ANY FINISH SELECTIONS, SUBSTITUTIONS, OR ADDITIONS THAT ARE DEEMED NON-COMPLIANT SHALL BE SUBMITTED TO THE ARCHITECT FOR RE-SELECTION.
17	CONTRACTOR TO PERFORM THE WORK OUTLINED IN THESE NOTES IN ALL AREAS OF CONSTRUCTION UNLESS NOTED OTHERWISE IN THESE DOCUMENTS.
18	CONTRACTOR SHALL PATCH AND PREPARE ALL EXISTING WALLS AS REQUIRED PRIOR TO PAINTING. CONTRACTOR SHALL TAPE, SAND, AND PRIME ALL NEW DRYWALL SURFACES AS REQUIRED PRIOR TO PAINTING.
19	COORDINATE SURFACE OF WALLS TO BE FINISHED TO A HIGH STANDARD SO AS NOT TO REFLECT IMPERFECTIONS IN WALL CONSTRUCTION OR FINISHING.
20	FINISHED WORK SHALL BE SMOOTH, UNIFORM, FREE FROM RUNS, SAGS OR DEFECTIVE BRUSHING. EDGES OF PAINT ADJOINING OTHER MATERIALS OR COLORS SHALL BE SHARP AND CLEAN WITHOUT OVERLAPPING.
21	SAMPLES OF FINISH COLORS AND MATERIALS SPECIFIED SHALL BE SUBMITTED FOR APPROVAL TO THE ARCHITECT PRIOR TO COMMENCEMENT OF WORK, AS REQUIRED.
22	TYPICAL FLOOR COVERING TRANSITION IS AT CENTERLINE OF DOOR OR CENTERLINE OF OPENING WHERE NO DOOR IS PRESENT UNLESS NOTED OTHERWISE. SUBMIT SAMPLES TO ARCHITECT FOR APPROVAL. TRANSITIONS BETWEEN OTHER MATERIALS SHALL BE AS DETAILED OR AS DIRECTED BY THE ARCHITECT.
23	REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION ON FINISH APPLICATIONS.
24	G.C. TO PROVIDE A 3'-0" SLOPE AT FLOOR DRAINS/. 1/4" MINIMUM. FLOOR DRAINS SUBJECT TO INFREQUENT USE SHALL BE PROTECTED BY A TRAP SEAL PRIMER.
25	EXISTING CONCRETE FLOOR SHALL BE CLEANED, PATCHED AND LEVELED AS REQUIRED TO PROVIDE APPROPRIATE SUBSTRATE FOR NEW FLOOR FINISHES, PER SCHEDULE AND SPECIFICATIONS.

PLAN LEGEND

	FLOOR TRANSITION
	BACK OF HOUSE FINISH
	FRONT OF HOUSE FINISH
⌐	WALL CORNER GUARDS (REFER TO DETAIL A ON 2/A504)
⌟	STAINLESS STEEL CLOSURE ANGLE
⊏	STAINLESS STEEL END CAP (REFER TO DETAIL D ON 2/A504)

KEYNOTES

1	LOCATION OF EXISTING MOP SINK.
2	GC TO PROVIDE AND INSTALL 5/8" WATER RESISTANT WALLBOARD (PURPLE BOARD) FROM 12" AFF TO 68" AFF IN ALL WET LOCATIONS. REFER TO FLOOR PLAN AND EQUIPMENT PLAN FOR LOCATION OF FIXTURES.
3	PROVIDE M-1 MAPEI WATERPROOFING 12" UP THE WALL AND 12" ALONG THE FLOOR IN BOH, RESTROOMS & AT BEVERAGE COUNTER.
4	GC TO PROVIDE AND INSTALL 5/8" CEMENT BOARD FROM THE FLOOR UP TO 12" SEAL AT FLOOR PRIOR TO INSTALLING FINISHES.
5	VERTICAL WALL FINISH TRANSITION TO ALIGN WITH MILLWORK COUNTERTOP OR WALL GRAPHICS. USE SCHLUTER SCHIENE OR APPROVED EQUAL FOR TRANSITION FROM WF-3 TO GYP. BD.
6	G.C. TO PROVIDE AND INSTALL STAINLESS STEEL PANELS FROM FLOOR UP TO LAY-IN CEILING (EXTENTS OF PANEL RUN 18" PAST HOOD IN ALL DIRECTIONS U.O.N.. REFER TO INTERIOR ELEVATIONS, MECHANICAL DRAWINGS AND KITCHEN DRAWINGS FOR FURTHER INFORMATION.
7	WF-1 TO BE INSTALLED AT DINING & FOH UP TO CHAIR RAIL. PAINT GYP BD P-3 ABOVE. REFER TO ELEVATION SHEETS FOR CHAIR RAIL HEIGHT AT BEVERAGE COUNTER .
8	2" X 2" 18 GA S.S. CORNER GUARD, TYPICAL ON ALL OUTSIDE CORNERS IN BACK OF HOUSE FROM FLOOR TO CEILING OR TOP OF WALL. REFER TO DETAIL A ON 2/A504.
9	G.C. TO FURNISH AND INSTALL TRANSITION STRIP AT FLOORING CHANGES. USE SCHLUTER SCHIENE - REFER TO DETAIL 4/A504.
10	3" X 3" 18 GA S.S. CLOSURE ANGLE - FLOOR TO CEILING SET IN BED OF SILICONE SEALANT.
11	G.C. TO PROVIDE AND INSTALL 2" x WALL THICKNESS x 2" 18 GA STAINLESS STEEL CHANNEL CAP FROM FLOOR TO TOP OF WALL HEIGHT. REFER TO DETAIL D ON 2/A504.
12	G.C. TO FURNISH AND INSTALL ACCESSIBILITY CODE COMPLIANT THRESHOLD AT ENTRY DOOR . REFER TO DETAIL 1/A504.
13	BEVERAGE STATION WALL(S) TO RECIEVE QUARRY COVE BASE (B-2), LAMINANTE WALL PANEL (WF-1), AND PAINTED GYP BOARD (P-3) ABOVE. REFER TO ELEVATION SHEETS HEIGHTS.
14	BACK OF HOUSE TO RECIEVE QUARRY TILE FLOORING (FT-2), SANITARY QUARRY COVE BASE (B-2) AND FRP WALLS (FRP-1), AND A CLEANABLE VINYL CEILING TILE (C-2).
15	SAFE TO RECIEVE QUARRY TILE COVE BASE (B-2) AROUND ALL EDGES AT FLOOR. GC TO ENSURE SAFE DOOR SWING REMAINS OPERATIONAL.

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CONSULTANT:

DRAWING SEAL:

LICENSED ARCHITECT
ROBERT J. SARGENTI
No. C-31054
07/31/27
Renewal Date
STATE OF CALIFORNIA

06/23/26

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1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS
3	06/08/26	DEVELOPMENT COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 449 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AD REVIEWED BY: AE

TITLE:

FINISH FLOOR PLAN

SHEET NUMBER:

A102

FINISH SCHEDULE

ITEM NO.	SPECIFICATION	TYPE / SERIES / MANUFACTURER	MODEL	COLOR	NOTES	LOCATION
FLOOR BASE						
B-1	VINYL WALL BASE	BURKE	701	BLACK	6" BASE.	DINNING AREA
B-2	QUARRY COVE BASE	CREATIVE MATERIALS	131431	DARK GREY IRONSPOT	QUARRY- D. GREY IRONSPOT COVE BASE - 6"X6" MATTE. GROUT: MAPEI #10 BLACK GROUT- $\frac{3}{8}$", KERAPOXY IEG CQ, OR APPROVED EQUAL.	BACK OF HOUSE, POS, WALK-IN COOLER, BEVERAGE STATION
B-3	COVE BASE	CREATIVE MATERIALS	130502	OMNI WHITE ICE	SANITARY COVE, 3.75"X6" FLAT TOP COVEBASE, PROVIDE BULL NOSE TILE AT TOP COURSE, GROUT: MAPIE #38 AVALANCHE WHITE. GROUT JOINT REC 1/16" (NO OFFSET) MORTAR TO BE MAPIE ULTRAFLEX 3 GRAY. COVE BASE B-3 IS INTEGRAL WITH FLOORING TILE FT-1.	RESTROOMS
FLOOR						
FT-1	TILE FLOOR	CREATIVE MATERIALS	129871	OAKWOODS WALNUT	8"X32" - GROUT MAPEI 04 BAHAMA BEIGE. GROUT JOINT REC 3/16", MORTAR TO BE MAPEI KERAFLEX FLEX SUPER GRAY OR APPROVED EQUAL.	DINNING AREA, RESTROOM
FT-2	QUARRY TILE FLOOR	CREATIVE MATERIALS	131373	DARK GREY IRONSPOT	QUARRY-D. GREY IRONSPOT, 6"X6", MATTE, GROUT:AMPEI #10 BLACK - 3/8".	BACK OF HOUSE, POS, WALK-IN COOLER
PAINT						
P-1	PAINT	SHERWIN WILLIAMS	SW6871	POSITIVE RED	DURATION HOME. SEMI-GLOSS FINISH.	RESTROOMS
P-2	PAINT	SHERWIN WILLIAMS	SW7757	HIGH REFLECTIVE WHITE	DURATION HOME. SEMI-GLOSS FINISH.	POS, RESTROOMS
P-3	PAINT	SHERWIN WILLIAMS	SW6686	LEMON CHIFFON	DURATION HOME. SEMI-GLOSS FINISH.	RESTROOMS
P-4	PAINT	SHERWIN WILLIAMS	SW6258	TRICORN BLACK	SEMI-GLOSS FINISH, TYP. IF HIGH METAL CEILING - WATERBASE DRYFALL, SEMI-GLOSS.	DINNING AREA, DOORS
WALL FINISH						
FRP-1	FIBERGLASS REINFORCED PLASTIC	MARLITE	S 100G	STANDARD WHITE	SMOOTH, CLEANABLE SURFACE.	BACK OF HOUSE
STS	STAINLESS STEEL	S.S. WALL PANEL		STS	G.C. TO PROVIDE AND INSTALL STS PANEL FROM FLOOR UP TO LAY-IN CEILING.	BACK OF HOUSE
WF-1	LAMINATE WALL PANEL	NEVAMAR	PALAZZO	WK0024	TEXTURED FINISH.	DINNING AREA
WF-2	LAMINATE WALL PANEL	FORMICA	#845-58	SPECTRUM RED	BOOTH WALLS, POS CABINET, BEVERAGE CABINET, BACK STORAGE CABINET.	SEE NOTES
WF-3	WALL TILE	CREATIVE MATERIALS	129471	OMNI WHITE ICE	4"X12" GLOSSY - PROVIDE BULL NOSE TILE AT TOP (WF-5), GROUT MAPEI 38 AVALANCHE WHITE. GROUT JOINT REC 1/16" (STAGGERED TILE PATTERN.) MORTAR TO BE MAPEI ULTRAFLEX 3 GRAY.	POS, BEVERAGE STATION, AND RESTROOMS
WF-4	ROCK ACCENT WALL	CREATIVE MATERIALS	133126	ARRAY COAL SPLIT FACE	MOTAR TO BE MAPEI KERAFLEX SUPER GRAY OR APPROVED EQUAL.	DINNING AREA
WF-5	WALL TILE	CREATIVE MATERIALS	119971	OMNI WHITE ICE	3"x12" GLOSSY TOP BULL NOSE. GROUT MAPEI 38 AVALANCHE. GROUT JOINT REC 1/16" (STAGGERED TILE PATTERN.) MORTAR TO BE MAPEI ULTRAFLEX 3 GRAY.	RESTROOMS
CEILING						
C-1	VINYL FACED CEILING TILE (2X2)	USG OR EQUAL	ITEM # 7057G	BLACK TILE AND GRID	24" x 24" x 5/8" SQUARE LAY-IN, BLACK PREMIER HI-LITE CLIMAPLUS KAPOK ACOUSTICAL CEILING TILE, W/15/16", DON DX/DXL, DXL26HRC (HEAVY DUTY) BLACK GRID; FLAT BLACK 205.PLACED AT FRONT OF HOUSE / DINING AREA ONLY.	DINNING AREA
C-2	VINYL FACED CEILING TILE (2X4)	USG OR EQUAL	ITEM# 3200	WHITE TILE AND GRID	24" x 48" x 5/8" LAY-IN, WHITE SHEETROCK BRAND CLEAN ROOM CEILING TILE, W/15/16" DON DX/DXL, DXL26HRC (HEAVY DUTY) WHITE GRID; FLAT WHITE, PLACED AT BACK OF HOUSE ONLY.	BACK OF HOUSE
C-3	SMOOTH FACED CEILING TILE (2X2)	PRO CEILING TILES OR EQUAL		BLACK TILE AND GRID	24" x 24" x 5/8" SQUARE LAY-IN, DURACLEAN SMOOTH BLACK CEILING TILE, W/15/16", DON DX/DXL, DXL26HRC (HEAVY DUTY) BLACK GRID; FLAT BLACK 205, PLACED ABOVE BEVERAGE COUNTER ONLY.	BEVERAGE STATION
MISCELLANEOUS						
M-1	POLYETHYLENE FILM MEMBRANE	MAPEI	99996000093		MAPEILASTIC AQUADEFENSE PREMIUM WATERPROOFING AND CRACK ISOLATION MEMBRANE.	BACK OF HOUSE, RESTROOMS, AND BEVERAGE COUNTER
SS	SOLID SURFACE	WILSONART	#9175ML	AVALANCHE MELANGE		POS AREA

VENDORS AND SUPPLIERS

CREATIVE MATERIALS CORPORATION
One Washington Square | Albany, NY 12205
DOUG SALATINO | Business Development Lead - Restaurants & Retail Brands
Office 518.713.5371 **Mobile** 518.281.8264

ITEMS BY OTHERS: REFER TO MILLWORK PACKAGE FOR DETAILS
- COUNTERS AND COUNTERTOPS FINISH IS LAMINATE WA 9175ML AVALANCE MELANGE
- DINING LEDGE: 1 3/4" THICK BUTCHERBLOCK ASH TOP, CLEAR COAT

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PROJECT INFORMATION:

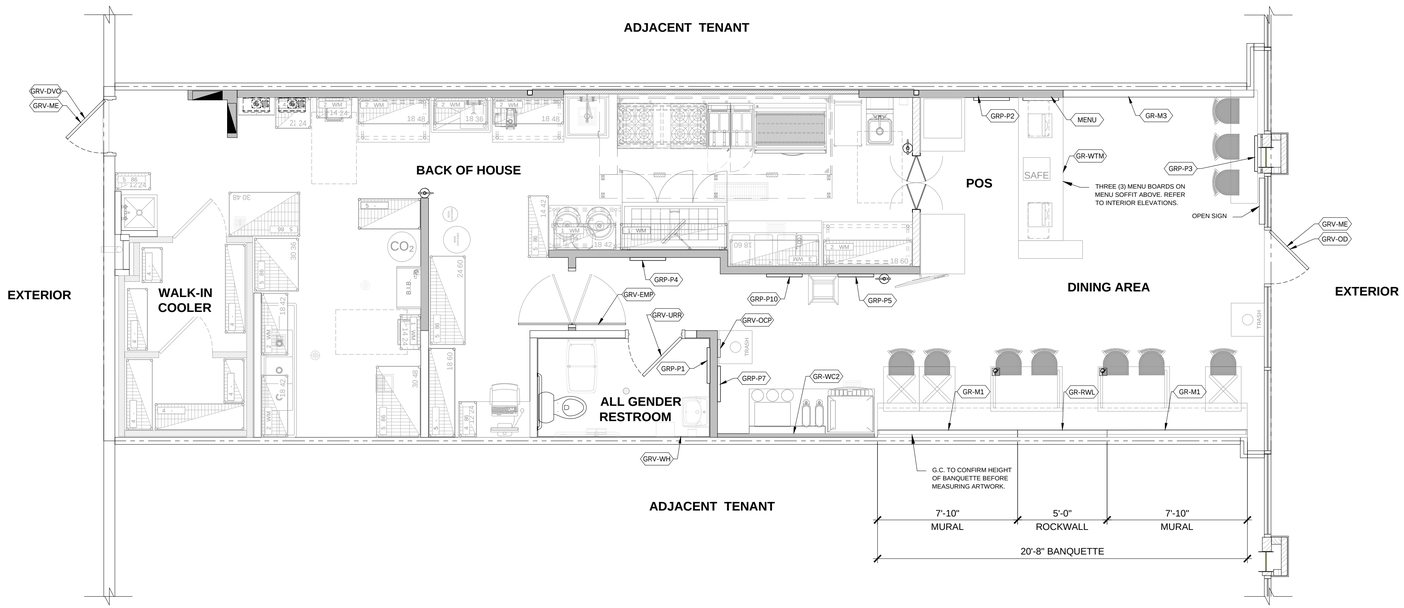
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AD
REVIEWED BY: TMAD

TITLE:

FINISH SCHEDULE

SHEET NUMBER:

A102.1



NOTE:
- G.C. TO CONFIRM HEIGHTS OF FURNITURE WITH FURNITURE PACKAGE BEFORE ANY MEASURING OR INSTALLING OF ARTWORK.

ARTWORK FLOOR PLAN

1/4" = 1'-0" | 1

GAPHICS SCHEDULE

ARTWORK	TAG-#	DESCRIPTION	QTY.
DECALS			
	GR-WTM	WELCOME TO THE MADNESS (SIZE: 7'-11" x 2'-2 1/2")	1
	GR-RWL	ROCK WALL LOGO (SIZE: 36" Ø)	1
	GRV-MRR	MENS RESTROOM VINYL (SIZE: 8" Ø)	0
	GRV-WRR	WOMENS RESTROOM VINYL (SIZE: 8" Ø)	0
	GRV-URR	UNISEX RESTROOM VINYL (SIZE: 8" Ø)	1
	GRV-OCP	OCCUPANCY VINYL (SIZE: 8" Ø)	1
	GRV-WH	WASH HANDS VINLY (SIZE: 8" Ø)	1
	GRV-EMP	EMPLOYEES ONLY VINYL (SIZE: 8" Ø)	1

ARTWORK	TAG-#	DESCRIPTION	QTY.
	GRV-DVO	DELIVERIES ONLY VINYL (SIZE: 16" Ø)	1
	GRV-ME	TMAD LOGO VINYL (SIZE: 16" Ø)	2
OPEN DAILY 11:00am - 9:00pm	GRV-OD	HOURS OF OPERATIONS VINYL (SIZE: 16" x 7")	1
WALLGRAPHIC			
	GR-M1	LARGE BRAND MURAL (REFER TO INTERIOR ELEV. FOR SIZE)	2
	GR-M2	SMALL BRAND MURAL (REFER TO INTERIOR ELEV. FOR SIZE)	0
	GR-M3	CHICKEN MURAL (REFER TO INTERIOR ELEV. FOR SIZE)	1
	GR-WC1	WALL CHATTER - ROUND (REFER TO INTERIOR ELEV. FOR SIZE)	0

ARTWORK	TAG-#	DESCRIPTION	QTY.
	GR-WC2	WALL CHATTER - RECTANGLE (SIZE: 4'-2" x 2'-2")	1
WALLGRAPHIC			
-	GRP-PF	POSTER FRAME (SIZE: 26-1/2" x 38-1/2")	11
	GRP-P1	WET PHONES (SIZE: 24" x 26")	1
	GRP-P2	VEGGIES (SIZE: 24" x 26")	1
	GRP-P3	PATIENCE (SIZE: 24" x 26")	1
	GRP-P3	CATERING (SIZE: 24" x 26")	0
	GRP-P4	EARN MORE POINTS (SIZE: 24" x 26")	1
	GRP-P5	ORDER IN YOUR UNDERWEAR (SIZE: 24" x 26")	1

ARTWORK	TAG-#	DESCRIPTION	QTY.
	GRP-P6	YOU OWN IT / FRANCHISE (SIZE: 24" x 26")	0
	GRP-P7	GIFT CARD (SIZE: 24" x 26")	1
	GRP-P8	CUSTOMIZE YOUR CREATION (SIZE: 24" x 26")	0
	GRP-P9	HUGE BOWLS OF AWESOME (SIZE: 24" x 26")	0
	GRP-P10	HAVE A RICE DAY (SIZE: 24" x 26")	1
	GRP-P11	SOY GOOD (SIZE: 24" x 26")	0
	GRP-P12	YAKISOBA STYLE (SIZE: 24" x 26")	0
	GRP-P13	7 SAUCES (SIZE: 24" x 26")	0

NOTES	
NOTE -1	ALL FINAL GRAPHICS SIZES TO BE COORDINATED WITH THE TMAD DESIGN AND CONSTRUCTION TEAMS.
NOTE -1	ALL GRAPHICS PROVIDED BY VENDOR.

1/4" = 1'-0" | 2

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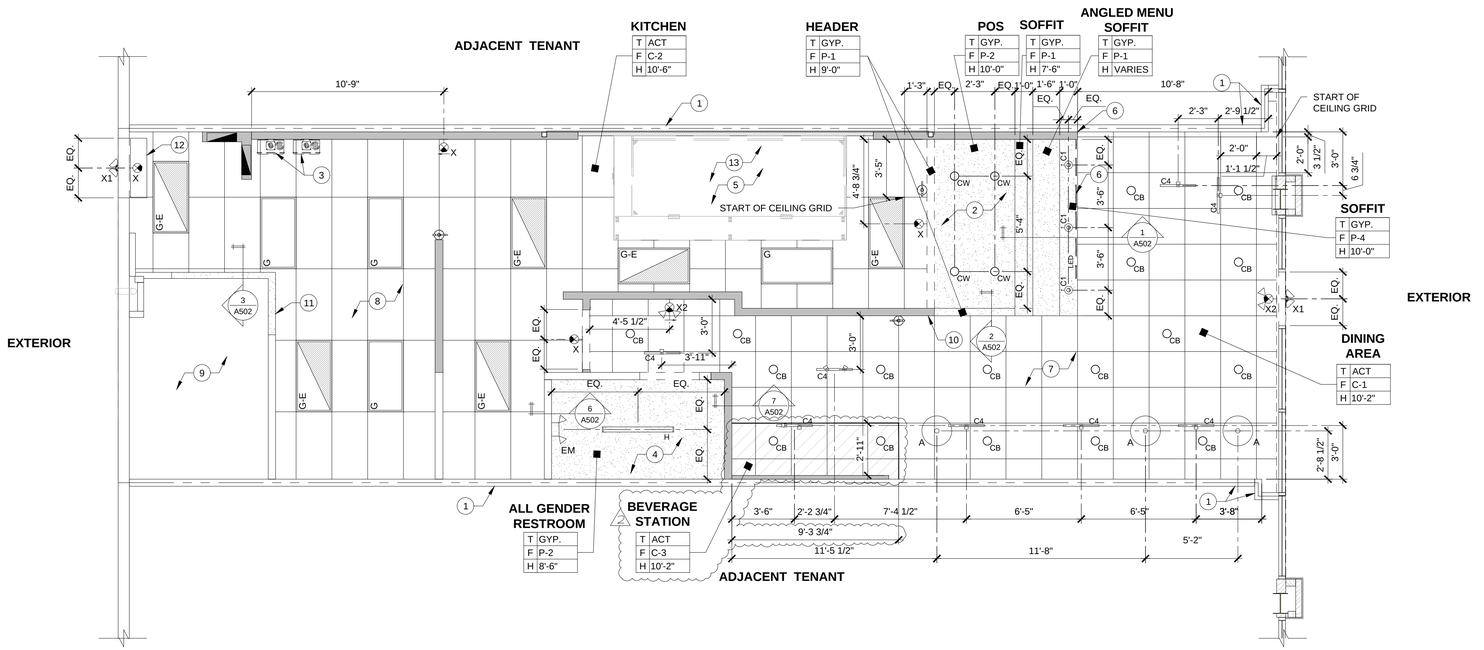
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: MR
REVIEWED BY: AD

TITLE:

GRAPHIC FLOOR PLAN AND SCHEDULE

SHEET NUMBER:

A102.2



REFLECTED CEILING PLAN

1/4" = 1'-0"

1

GENERAL NOTES

1	ALL DIMENSIONS ARE TO FINISH FACE OF WALLS.
2	CONTRACTOR TO PERFORM THE WORK OUTLINED IN THESE NOTES IN ALL AREAS OF CONSTRUCTION UNLESS NOTED OTHERWISE IN THESE DOCUMENTS.
3	CEILING ELEMENTS (LIGHTING FIXTURES, MECHANICAL DIFFUSERS, SPRINKLER HEADS, ETC.) ARE SHOWN FOR LAYOUT AND DESIGN INTENT ONLY. REFER TO ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION.
4	ALL CEILING ELEMENTS SHALL BE CENTERED IN TILE, UNLESS NOTED OTHERWISE.
5	EMERGENCY LIGHTING LAYOUT IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL EVALUATE EMERGENCY LIGHTING LOCATIONS AND COORDINATE WITH INDICATED DESIGN INTENT. EMERGENCY LIGHTING SHALL COMPLY WITH CODE REQUIREMENTS.
6	SPRINKLER HEADS LOCATED IN ACOUSTIC CEILING TILE ARE TO BE CENTERED IN TILE AND HEADS IN GYPSUM BOARD CEILINGS ARE TO BE SEMI-RECESSED TYPE TYPICALLY.
7	SWITCHES ARE TO BE MOUNTED TO MATCH BASE BUILDING STANDARD.
8	ALL ADJACENT SWITCHES SHALL BE GANGED IN A SINGLE BOX WITH A SINGLE COVER PLATE. IF GANGING OF SWITCHES IS NOT POSSIBLE, INDIVIDUAL SWITCHES SHALL BE S PACED AN EQUAL AND MINIMUM DISTANCE APART AND LOCATED AT THE SAME ELEVATION AFF. STACKING OF SWITCHES MAY BE NECESSARY IF THE NUMBER IS EXCESSIVE.
9	ALL ABOVE CEILING SYSTEMS SHALL BE DESIGNED TO ACCOMMODATE CEILING HEIGHTS DOCUMENTED AND CEILING FIXTURES SPECIFIED. CEILING DROPS WILL NOT BE CONSIDERED TO ACCOMMODATE REROUTING OF SYSTEMS.
10	ALL LIGHTING AND/OR SWITCHING SHALL BE COORDINATED WITH BASIC BUILDING SYSTEMS. REFER TO BUILDING REPRESENTATIVE FOR REQUIREMENTS.
11	MOUNTING HEIGHTS OF ALL FIXTURES ARE SUBJECT TO CHANGE. COORDINATE WITH ARCHITECT TO DETERMINE FINAL MOUNTING HEIGHTS IN FIELD PRIOR TO FINAL INSTALLATION.
12	REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR MANUFACTURERS INFORMATION AND SPECIFICATIONS CONCERNING FIXTURES SHOWN ON THIS PLAN
13	REFER TO FINISH PLAN FOR FINISH TYPE SCHEDULE, INCLUDING CEILING SPECIFICATIONS
14	GYPSUM, WALLBOARD ON BULKHEAD, SOFFITS AND WALLS TO EXTEND 6" MINIMUM ABOVE ADJACENT SUSPENDED GRID CEILING
15	CEILING DIFFUSERS TO MATCH COLOR OF SURROUNDING CEILING. REFER TO FINISH SCHEDULE
16	REFER TO ELECTRICAL SHEETS FOR LIGHT FIXTURE SYMBOLS AND SPECIFICATIONS
17	CONTRACTOR TO STUDY AND COMPARE, REFLECTED CEILING, PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR LUMINARIES, DIFFUSERS, AND GRILLS. REPORT TO THE ARCHITECT OF RECORD ANY ERRORS, INCONSISTENCY, OR OMISSIONS DISCOVERED.
18	ALL TELEVISIONS ARE TO BE WALL-MOUNTED UNLESS OTHERWISE NOTED. GC, TO PROVIDE POWER AND BLOCKING
19	UNLESS OTHERWISE NOTED, ALL CEILING CONSTRUCTION / INSTALLATION IS TO BE NEW

LIGHTING FIXTURE SCHEDULE NOTES

1	FOR SPECIAL NATIONAL ACCOUNT PRICING CONTACT DAVID DENEEFE WITH HERMITAGE LIGHTING AT (251) 604-1452 FOR FIXTURE INFORMATION. GENERAL CONTRACTOR TO CONTACT **HERMITAGE LIGHTING** PRIOR TO INSTALLATION TO OBTAIN FINAL LIGHTING QUOTE BASED OFF APPROVED CONSTRUCTION DRAWINGS.
2	90 MINUTE UL924 BATTERY BACKUP.
3	LIGHT FIXTURES TO BE PROVIDED BY E.C AND PURCHASED THROUGH CORPORATE VENDOR. COORDINATE WITH G.C.
4	ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR RECEIVING, STORING, AND INSTALLING LIGHT FIXTURES AND LAMPS. ELECTRICAL CONTRACTOR SHALL REPORT ANY DAMAGE OR MISSING PARTS FOR LIGHT FIXTURES TO LIGHTING SUPPLIER WITHIN 48 HOURS OF RECEIVING LIGHT FIXTURES.
5	EMERGENCY LIGHTING UNITS IN DINING AREAS SHALL BE INSTALLED AT 11'-0" A.F.F. FOR HIGH CEILING CONFIGURATIONS AND 9'-0" A.F.F. FOR LOW CEILING CONFIGURATIONS. RESTROOM EMERGENCY LIGHTING UNITS SHALL BE MOUNTED AT 8'-0" A.F.F. UNLESS NOTED OTHERWISE.

CEILING FINISH SCHEDULE

TAG	MATERIAL	MANUFACTURER	SPECIFICATIONS
C-1	CEILING TILE (2X2)	USG OR EQUAL	24" x 24" x 5/8" SQUARE LAY-IN, BLACK PREMIER HI-LITE CLIMAPLUS KAPOK ACOUSTICAL CEILING TILE, BLACK GRID
C-2	CEILING TILE (2X4)	USG OR EQUAL	24" x 48" x 5/8" LAY-IN, WHITE SHEETROCK BRAND CLEAN ROOM CEILING TILE, W15/16" DON DX/DXL, WHITE GRID.
C-3	CEILING TILE (2X2)	PRO CEILING TILES OR EQUAL	24" x 24" x 5/8" SQUARE LAY-IN, DURACLEAN SMOOTH BLACK CEILING TILE, BLACK GRID.
P-1	CEILING PAINT	SHERWIN WILLIAMS	SW6871 - POSITIVE RED - SEMIGLOSS - POSITIVE RED - DURATION HOME SATIN
P-2	CEILING PAINT	SHERWIN WILLIAMS	SW7757 - HIGH REFLECTIVE WHITE - SEMIGLOSS - HIGH REFLECTIVE WHITE - DURATION HOME SATIN
P-3	CEILING PAINT	SHERWIN WILLIAMS	SW6686 - LEMON CHIFFON - SEMIGLOSS - LEMON CHIFFON - DURATION HOME SATIN
P-4	CEILING PAINT	SHERWIN WILLIAMS	SW6258 - TRICORN BLACK - SEMIGLOSS - TRICORN BLACK - EGGSHELL FINISH TYP. IF HIGH METAL CEILING -WATERBASE DRYFALL, EGGSHELL

KEYNOTES

1	EXISTING FULL HEIGHT DEMISING WALL
2	"CW" FIXTURES ABOVE POS TO HAVE WHITE TRIM.
3	WALL MOUNTED WATER HEATERS.
4	NEW GYP. BD. CEILING AT 8'-6" A.F.F. REFER TO FINISH SCHEDULE FOR CEILING SPEC.
5	NEW COOK LINE EXHAUST HOOD AND DUCT. REFER TO KITCHEN EQUIPMENT PLANS AND MECHANICAL PLANS.
6	UNDERCOUNTER LED TAPE LIGHT REFER TO LIGHTING SCHEDULE AND ELECTRICAL PLANS FOR DETAILS
7	NEW CEILING GRID WITH 2X2 ACOUSTIC TILE AT 10'-2" A.F.F. REFER TO FINISH SCHEDULE FOR CEILING TILE SPEC.
8	NEW CEILING GRID WITH 2X4 ACOUSTIC TILE AT 10'-6" A.F.F. REFER TO FINISH SCHEDULE FOR CEILING TILE SPEC.
9	REMOTE CONDENSER LOCATED ON ROOF. CLOSE AREA BETWEEN TOP OF COOLER AND 10'-6" AF.F. DROP CEILING. REFER TO DETAIL 3/A502 FOR MORE INFORMATION.
10	PROPOSED TV LOCATION. COORDINATE LOCATION AND TV SIZE WITH OWNER.
11	HEADER TO BE ALIGNED WITH ADJACENT WALL AND FACE OF COOLER REFER TO DETAIL 3/A502 FOR MORE INFORMATION.
12	EXISTING AIR CURTAIN ON CENTER ABOVE SERVICE DOOR TO REMAIN. GC TO CONFIRM WORKING ORDER.
13	GREASE DUCT TO BE PROTECTED WITH 2-HOUR FIRE-RATED WRAP PER NFPA 96 FROM HOOD COLLAR TO ROOF TERMINATION.

LIGHTING FIXTURE SCHEDULE

TYPE	QTY.	IMAGE	DESCRIPTION	CATALOG NUMBER	LAMP	MOUNTING	LOCATION	NOTES
A	3		BASELITE - 16" PENDANT WITH WAREHOUSE SHADE - OLD BRONZE FINISH	W516/63/12'BLC	GREEN CREATIVE PART#: 13A19DIM/830 36616	PENDANT	CEILING	1, 3, 4
CB	17		NORA - 6" ROUND COBALT CLICK LED RETROFIT ROUND REFLECTOR - COLOR TEMP. OF 3000K - FINISHED BLACK/BLACK - 1000 LUMENS - WITH BLACK HOUSING.	NLCBC2-651-30-BB/10 WITH NHIC-6LMRAT	LED	RECESSED	FRONT OF HOUSE AND DINING AREA	1, 3, 4
CW	4		NORA - 6" ROUND COBALT CLICK LED RETROFIT ROUND REFLECTOR - COLOR TEMP. OF 3000K - FINISHED WHITE/WHITE - 1000 LUMENS - WITH WHITE HOUSING.	NLCBC2-651-30-WW/10 MOUNTED ON NHIC-6LMRAT	LED	RECESSED	POS AREA	1, 3, 4
C1	3		NORA - 4" LOLITE ROUND ADJUSTABLE CONE REFLECTOR - COLOR TEMP. OF 3000K - FINISHED BLACK/BLACK - 1000 LUMENS - WITH BLACK HOUSING.	NIO-4RC-30X-XX/10 MOUNTED ON NHIOICD-48-LE3	LED	RECESSED	POS SOFFIT	1, 3, 4
C4	10		CONTECH - 905 SERIES - ECLIPSE CURVE TRACK LUMINAIRES - 9W/102LUMENS - FLOOD BEAM - COLOR TEMP. OF 3000K - FINISHED BLACK.	CTL9051F3C-B MOUNTED ON	LED	TRACK	FRONT OF HOUSE AND DINING AREA	1, 2, 3, 4, 5
C4-TRACK / CL	8		CONTECH - 48" SINGLE CIRCUIT LINE VOLTAGE TRACK - FINISHED BLACK - SINGLE CIRCUIT CURRENT LIMITING POWER FEED POWER CANOPY (LA-23T-RN-B) AND CIRCUIT BREAKER (REG0.50A-B)	LT-4-B LT-8-B LA-23T-RN-B REG0.50A-B	LED	TRACK	FRONT OF HOUSE AND DINING AREA	1, 3, 4
G	4	G	ARCHIPELAGO LIGHTING - 2' X 4' LED BACK-LIT PANEL (LBLP) SERIES - SIZE 2'X4'	LBLP24-Q53	LED	GRID	BACK OF HOUSE	1, 3, 4
GE	6	G-E	ARCHIPELAGO LIGHTING - 2' X 4' LED BACK-LIT PANEL (LBLP) SERIES - SIZE 2'X4' - 8W EMERGENCY DRIVER	LBLP24-Q53-EM08	LED	GRID	BACK OF HOUSE	1, 2, 3, 4
G2	0	G2	ARCHIPELAGO LIGHTING - 2' X 2' LED BACK-LIT PANEL (LBLP) SERIES - SIZE 2'X2'	LBLP22-Q53	LED	GRID	BACK OF HOUSE	1, 2, 3, 4
H	1		ARCHIPELAGO LIGHTING - 2' X 2' LED BACK-LIT PANEL (LBLP) SERIES - SIZE 2'X2'	LLSN3W-xx-4S3-H	LED	SURFACE MOUNT	RESTROOM(S)	1, 3, 4
LED TAPELIGHT	1		SELF ELECTRONICS - SHELF LIGHTING - ACCENT - 9'L OF LED TAPE, 9' CHANNEL & COVERS	AMERICAN LIGHT TRULUX HTL-WW WITH ADPT-DRJ-60-24 120V: 24V DIMMABLE POWER SUPPLY	LED	SURFACE MOUNT UNDER CABINET LIGHT	UNDER POS CABINET	1, 3, 4. GC TO CUT LED TAPE TO LENGTH IN FIELD.
EM	1		BEST LIGHTING - EMERGENCY LIGHTING UNIT	EM B	LED	SURFACE MOUNT	REFER TO PLAN FOR LOCATION(S)	
X	4		BEST LIGHTING: EXIT LIGHT	LEDCXTEU-2-R-B-NC	LED	SURFACE MOUNT	REFER TO PLAN FOR LOCATION(S)	1, 2, 3, 4
X1	2		BEST LIGHTING - 2 HEAD EXTERIOR EMERGENCY LIGHTING UNIT.	DBEL-ACEM-HL B SDT PC CW	LED	SURFACE MOUNT	REFER TO PLAN FOR LOCATION(S)	1, 2, 3, 4
X2	2		BEST LIGHTING - COMBO EXIT LIGHT WITH EMERGENCY HEADS	DBEL-ACEM-HL-B-SDT-PC-CW-CEC	LED	SURFACE MOUNT	REFER TO PLAN FOR LOCATION(S)	1, 2, 3, 4

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CONSULTANT:

DRAWING SEAL:

LICENSED ARCHITECT
ROBERT J. SARGENTI
No. C-31054
07/31/27
Renewal Date
STATE OF CALIFORNIA

06/23/26

CONTRACTOR'S NOTES:

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△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS
3	06/08/26	DEVELOPMENT COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 449 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

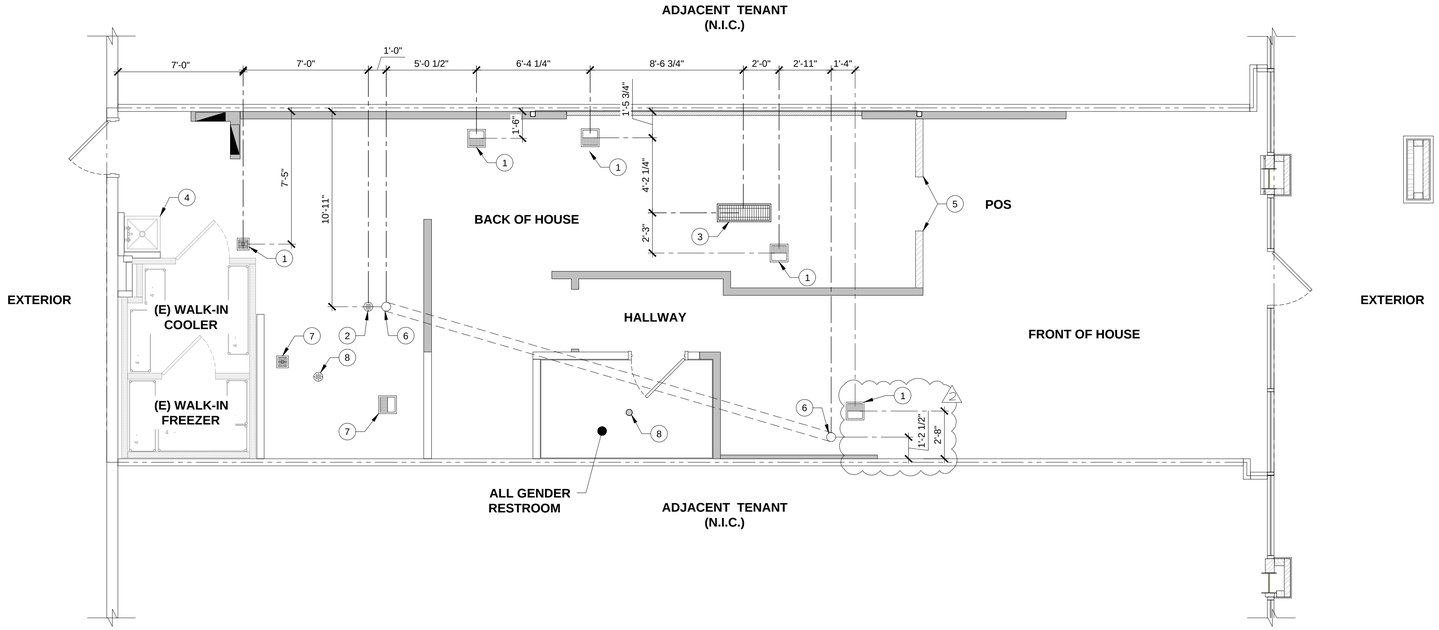
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: MR
REVIEWED BY: AE / AD

TITLE:

REFLECTED CEILING PLAN
AND FIXTURE SCHEDULE

SHEET NUMBER:

A103



SLAB PENETRATION (FLOOR DRAIN AND SINK) FLOOR PLAN

1/4" = 1'-0"

1

GENERAL NOTES

1	FLOOR DRAINS SHALL BE SET TO BE FLUSH WITH TOP OF FINISHED TILE FLOOR UNLESS OTHERWISE NOTED.
2	GC TO VERIFY ALL DIMENSIONS AND NOTIFY OWNER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION START. ALL DIMENSIONS TO BE TAKEN FROM DESIGNATED DATUM POINT.
3	GC TO VERIFY CONDITIONS AND CONSTRUCTION OF FOUNDATION AND SLAB PRIOR TO SAW CUTTING / CORING. SLAB TO BE X-RAYED WHERE CONDITIONS REQUIRE. NOTIFY OWNER AND ARCHITECT IMMEDIATELY WITH ANY DISCREPANCIES.
4	ALL DIMENSIONS SHOWN, ARE TO CENTERLINE OF PENETRATION.
5	REFER TO PLUMBING DRAWINGS FOR CONNECTION TO NEW/EXISTING GREASE INTERCEPTOR VERIFY IN FIELD.
6	ALL STUB-UP DIMENSIONS ARE RELATIVE TO FINISHED WALL LOCATION (SHOWN AS OUTLINED ON THIS PLAN) CLIENT REFER TO CONSTRUCTION PLAN FOR WALL PLACEMENT.
7	GC TO COORDINATE WITH SPECIFIC TRADES AND SITE CONDITIONS TO DETERMINE THE LAYOUT OF TRENCHING.
8	REFER TO PLUMBING SHEETS FOR SPECIFICATIONS OF PLUMBING FIXTURES, SCHEDULES, AND PIPING MATERIALS.

KEYNOTES

1	NEW FLOOR SINK. REFER TO DETAIL 6/A504 FOR MORE INFORMATION. COORDINATE WITH FOOD SERVICE AND PLUMBING DRAWINGS.
2	NEW FLOOR DRAIN. REFER TO DETAIL 7/A504 FOR MORE INFORMATION. COORDINATE WITH FOOD SERVICE AND PLUMBING DRAWINGS.
3	NEW FLOOR TROUGH. REFER TO DETAIL 8/A504 FOR MORE INFORMATION. COORDINATE WITH FOOD SERVICE AND PLUMBING DRAWINGS.
4	EXISTING MOP SINK.
5	NEW LOW WALL.
6	PROVIDE 6" DIAMETER PVC CONDUIT FROM BAG-IN-BOX TO BEVERAGE STATION.PROVIDE 90 DEGREE LONG SWEEP ELBOWS @ EACH END. TERMINATE +/- 3' ABOVE FLOOR. LOCATE SO THAT REMINATION IS BELOW BEVERAGE CABINET. REFER TO DETAIL 9/A504 FOR MORE INFORMATION. COORDINATE WITH FOOD SERVICE AND PLUMBING DRAWINGS.
7	EXISTING FLOOR SINK TO REMAIN.
8	EXISTING FLOOR DRAIN TO REMAIN.

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CONSULTANT:

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No. C-31054
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Renewal Date
STATE OF CALIFORNIA

06/23/26

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LOCATION:

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STORE #: 449 AT APPLE VALLEY
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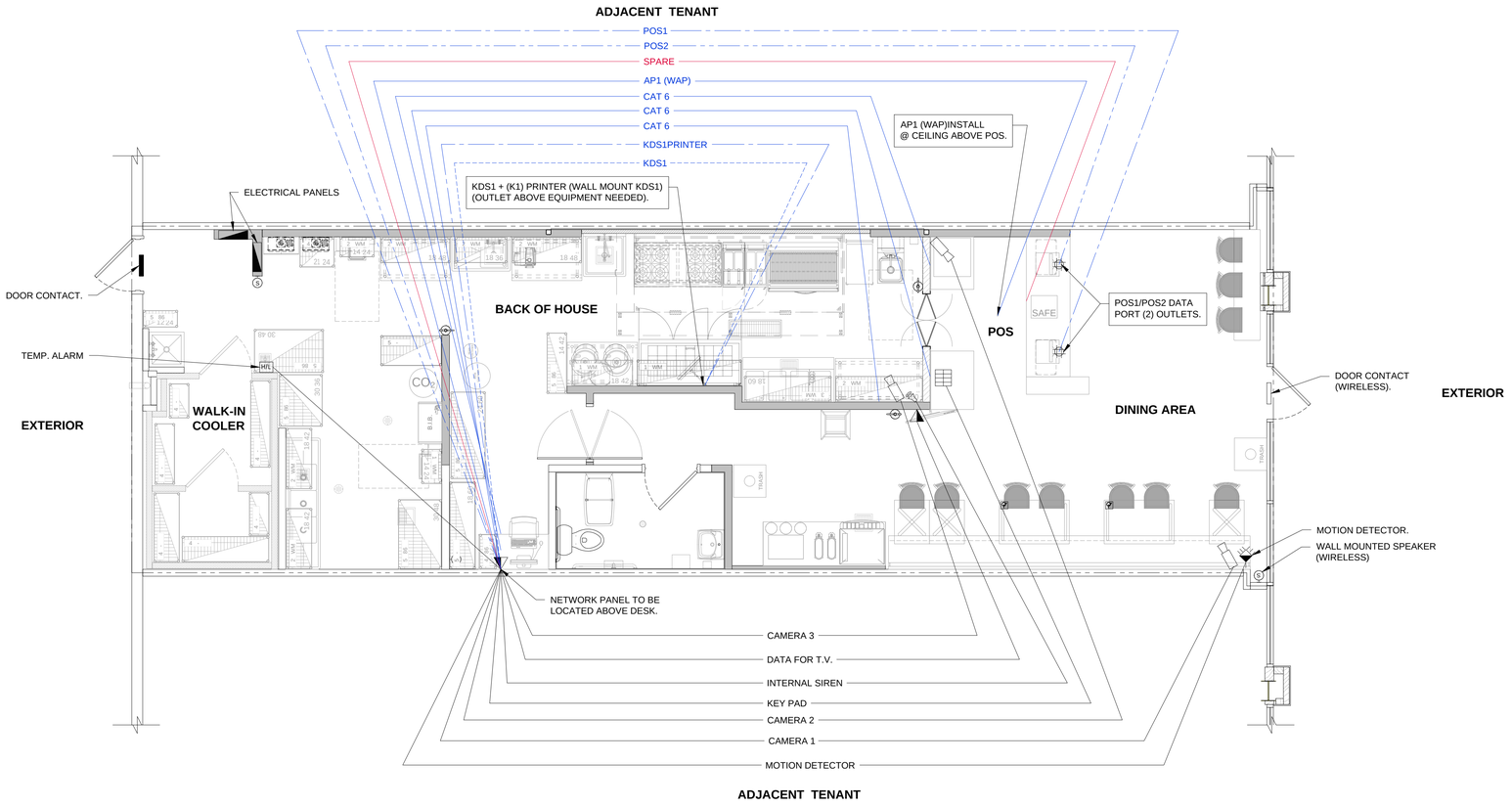
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AD REVIEWED BY: AE

TITLE:

SLAB PENETRATION FLOOR PLAN

SHEET NUMBER:

A104



LOW VOLTAGE FLOOR PLAN

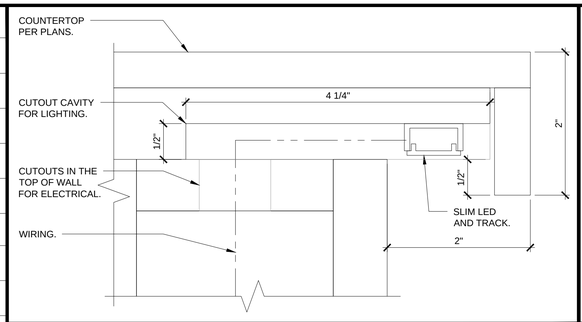
1/4" = 1'-0" | 1

REQUIREMENT NOTES

1	CABLING, REQUIREMENTS FOR (POS) POINT-OF-SALE: REQUIREMENTS TO BE CONFIRMED WITH THE SUPPLIER PRIOR TO COMPLETION OF ELECTRIC ROUGH-IN. ALL DATA CABLE TO BE PLENUM & RISER RATED CATEGORY 6 SHIELDED NETWORK CABLING (CAT6). JACKS, TERMINALS AND END CONNECTORS TO BE SHIELDED (CAT6) RATED TO SUPPORT GIGBIT (1000T) NETWORK. ALL CABLE TO BE IN PLACE AND TERMINATED PRIOR TO POS INSTALLATION AND CONFIRM WITH POS MANUFACTURERS REQUIREMENTS. (REVEL)
2	CAMERAS ARE I.P, WIRES FROM CAMERAS ARE PLENUM RATED CABLE (CAT-6). DO NOT NEED POWER, RECORDER / MONITOR ON LOW VOLTAGE SHELF 18/4 WIRE PLENUM, WALK IN COOLER 2 PRONG.
3	THE G.C. IS RESPONSIBLE FOR INSTALLING ANALOG 'POTS' TELEPHONE PHONE LINES IF NOT EXISTING.
4	ELECTRICAL REQUIREMENTS FOR POINT-OF-SALE: DEDICATED ELECTRICAL CIRCUITS ARE REQUIRED FOR THE POS SYSTEM. THESE CIRCUITS ARE TO BE USED EXCLUSIVELY FOR THE COMPUTERS, PRINTERS AND OTHER APPROVED ELECTRICAL DEVICES. THE OUTLETS MUST BE ISOLATED AND HAVE ISOLATED 3ED WIRE GROUND. THE STANDARD PRACTICE IS TO UTILIZE ORANGE HUBBLE OR EQUIVALENT OUTLETS.
5	EACH TERMINAL REQUIRES TWO RECEPTACLES. KITCHEN PRINTERS & MONITORS MUST BE INCLUDED ON DEDICATED CIRCUITS. FAX MACHINES, TELEPHONES, AND OTHER TECHNOLOGY EQUIPMENT CAN BE USED ON THIS DEDICATED CIRCUIT ALSO, BUT NOTHING WITH A MOTOR OR A COMPRESSOR.
6	SEE MECHANICAL DRAWINGS TO INCLUDE EXHAUST HOOD LOW VOLTAGE WIRING

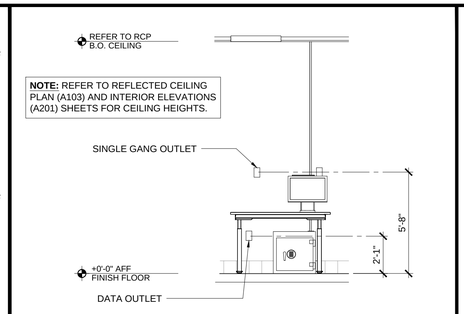
PLAN LEGEND

		WIRE TYPE
	SPARE	CAT-6 PLENUM
	KDS1	CAT-6 PLENUM
	KDS1PRINTER	CAT-6 PLENUM
	AP1 (WAP)	CAT-6 PLENUM
	POS1	CAT-6 PLENUM
	POS2	CAT-6 PLENUM
S	SPEAKERS	CAT-6 PLENUM
	OUTLETS	PLENUM 18/4
	DOOR CONTACT	PLENUM 18/4
	DOOR CONTACT (WIRELESS)	PLENUM 18/4
	SATA PANEL	PLENUM 18/4
	INTERNAL SIREN	PLENUM 18/4
	MOTION DETECTOR	PLENUM 18/4
H/L	HIGH / LOW TEMP.	PLENUM 18/4
	KEYPAD	PLENUM 18/4
	CAMERA	
S	SWITCH	



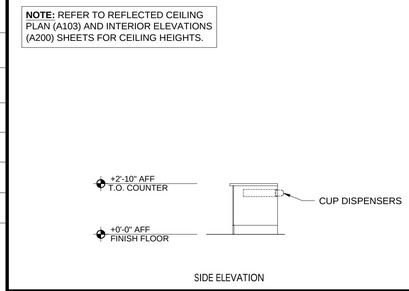
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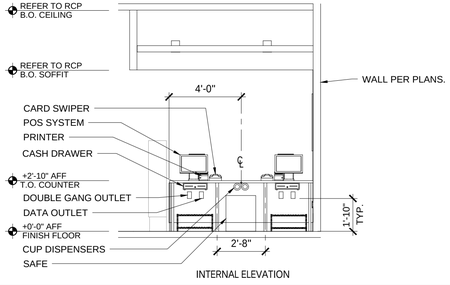
FULL | 5



MGR. ELEVATION

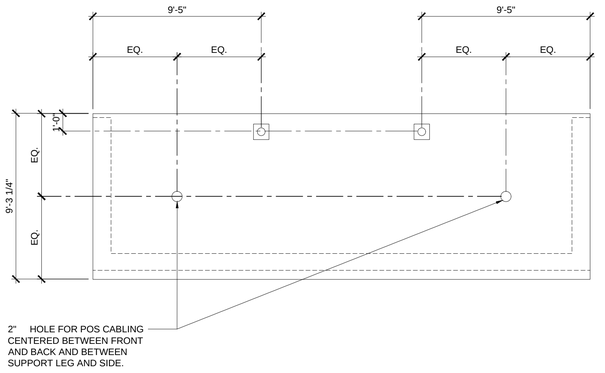
1/4" = 1'-0" | 4





POS ELEVATIONS

1/4" = 1'-0" | 3



POS COUNTERTOP CUTOUTS

1/4" = 1'-0" | 2

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06/23/26

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LOCATION:

TERIYAKI MADNESS
STORE #: 449 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: MR
REVIEWED BY: AE / AD

TITLE:

LOW VOLTAGE PLAN
(FOR REFERENCE ONLY)

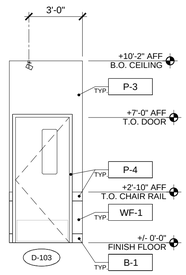
SHEET NUMBER:

A105

1	REFER TO KITCHEN CONSULTANT DRAWINGS FOR ALL KITCHEN & BEVERAGE EQUIPMENT AND FIXTURE RELATED INFORMATION.
2	G.C. TO CONFIRM HEIGHTS OF FURNITURE WITH FURNITURE PACKAGE BEFORE ANY MEASURING OR INSTALLING OF ARTWORK.
3	G.C. TO VERIFY T.V. HEIGHT, COUNT AND LOCATION WITH OWNER.
4	G.C. TO INSTALL SIGNAGE TEXT ABOVE STOREFRONT DOOR STATING "**THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED**".

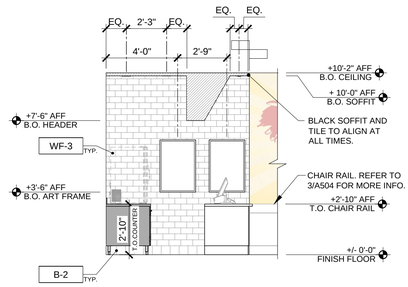
GENERAL NOTES

FULL | -



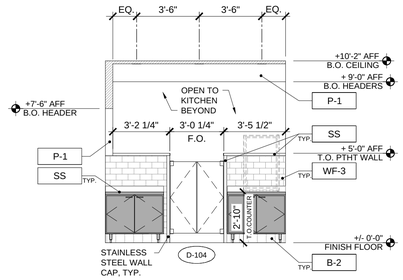
HALLWAY ELEVATION

1/4" = 1'-0" | 7



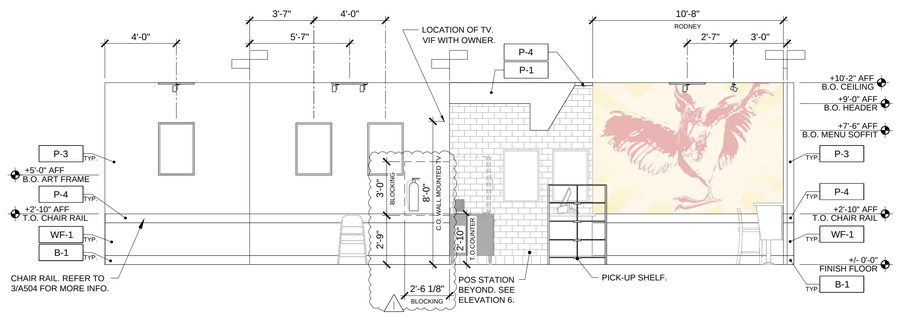
SERVICE ELEVATION

1/4" = 1'-0" | 6



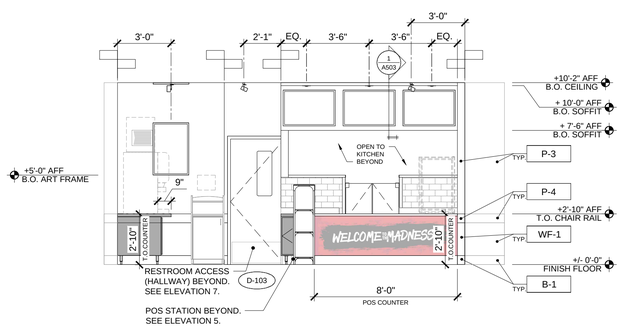
SERVICE ELEVATION

1/4" = 1'-0" | 5



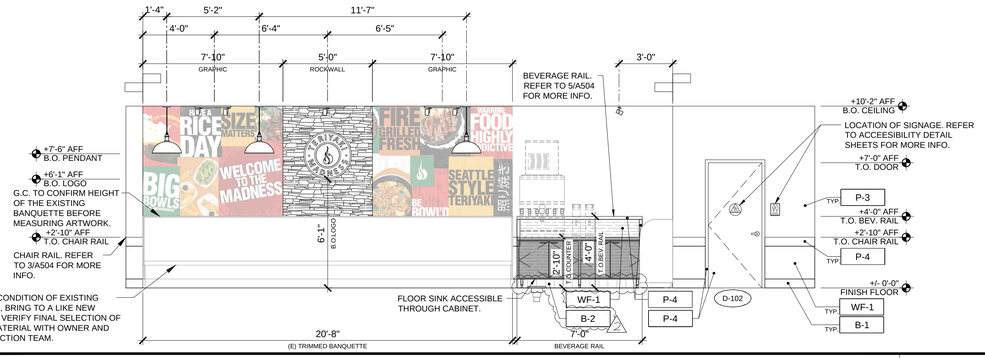
DINING ELEVATION

1/4" = 1'-0" | 4



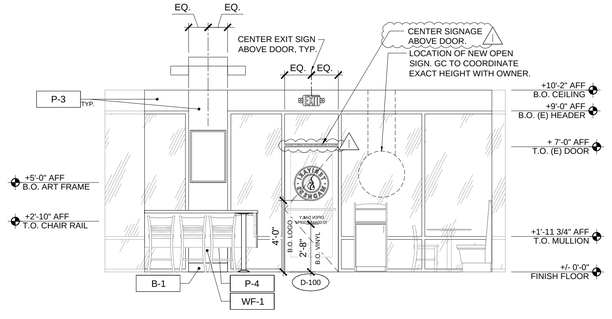
DINING ELEVATION

1/4" = 1'-0" | 3



DINING ELEVATION

1/4" = 1'-0" | 2



DINING ELEVATION

1/4" = 1'-0" | 1

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PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AD
REVIEWED BY: AE

TITLE:

INTERIOR ELEVATIONS (F.O.H)

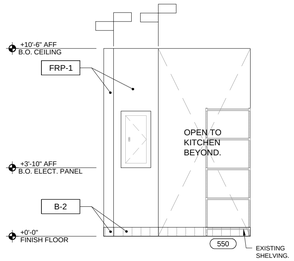
SHEET NUMBER:

A200

1	REFER TO PARTITION DETAILS FOR SUB-SURFACE WALL MATERIALS. 5/8" PLYWOOD BLOCKING MAY BE USE INSTEAD OF THESE MATERIALS WHERE REQUIRED. ALL SURFACES TO BE FINISHED WITH FRP UNLESS NOTED OTHERWISE.
2	ALL PLYWOOD BLOCKING SHALL BE FIRE-RETARDANT CDX EXTERIOR GRADE.
3	REFER TO DOOR SCHEDULE FOR MORE INFORMATION.
4	STAINLESS STEEL WALL CLADDING FINISH TO EXTEND 18" IN ALL DIRECTIONS OF THE KITCHEN HOOD. G.C. TO ADD FINISH TRANSITION SCHLUTER BETWEEN WALL FINISHES.
5	REFER TO KITCHEN CONSULTANT DRAWINGS FOR ALL KITCHEN & BEVERAGE EQUIPMENT AND FIXTURE RELATED INFORMATION.

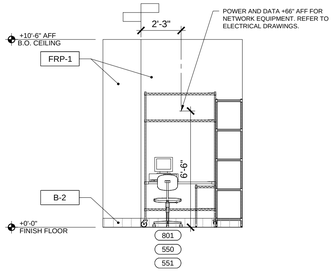
GENERAL NOTES

FULL | -



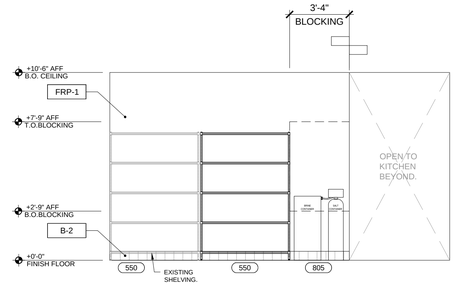
BACK OF HOUSE ELEVATION

1/4" = 1'-0" | 9



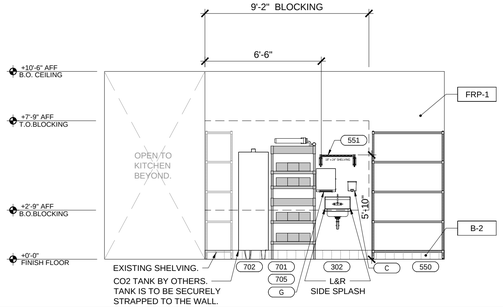
BACK OF HOUSE ELEVATION

1/4" = 1'-0" | 8



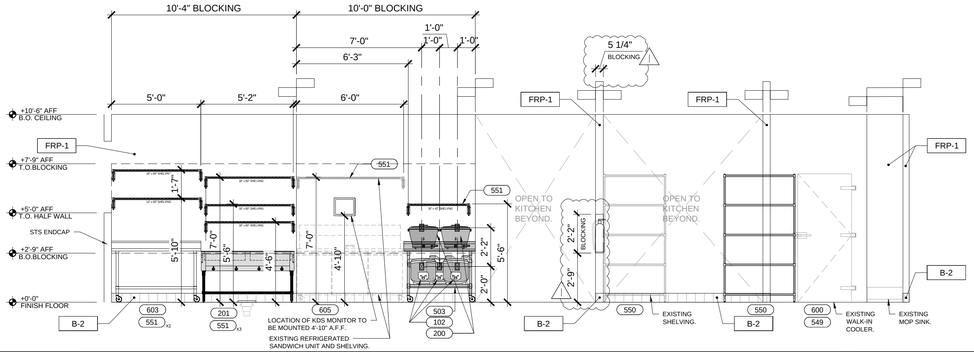
BACK OF HOUSE ELEVATION

1/4" = 1'-0" | 7



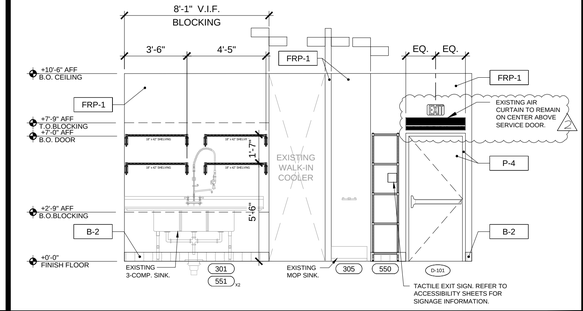
BACK OF HOUSE ELEVATION

1/4" = 1'-0" | 6



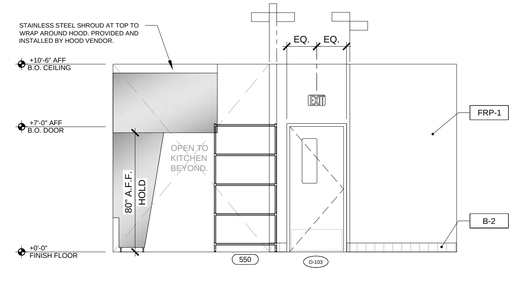
BACK OF HOUSE ELEVATION

1/4" = 1'-0" | 5



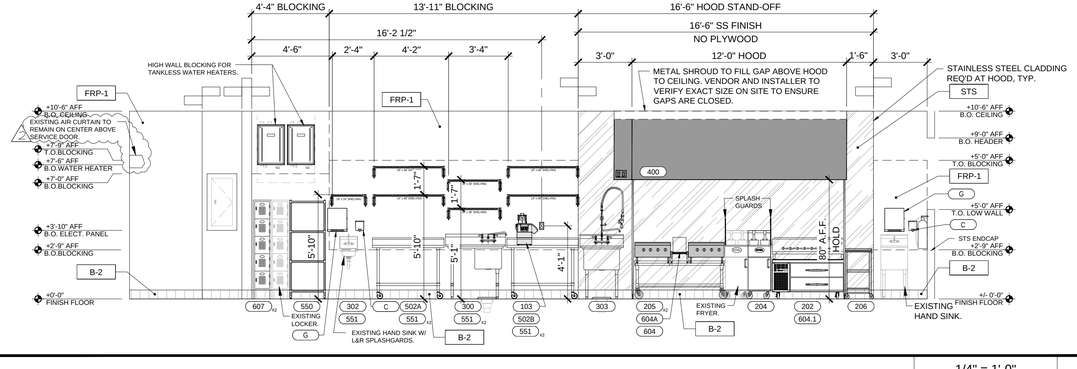
BACK OF HOUSE ELEVATION

1/4" = 1'-0" | 4



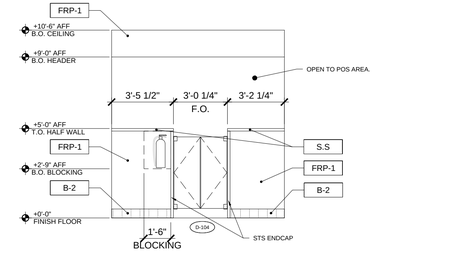
BACK OF HOUSE ELEVATION

1/4" = 1'-0" | 3



BACK OF HOUSE ELEVATION

1/4" = 1'-0" | 2



BACK OF HOUSE ELEVATION

1/4" = 1'-0" | 1

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CONSULTANT:

DRAWING SEAL:

LICENSED ARCHITECT
ROBERT J. SARGENTI
No. C-31054
07/31/27
Renewal Date
STATE OF CALIFORNIA

06/23/26

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2	05/21/26	HEALTH COMMENTS
3	06/08/26	DEVELOPMENT COMMENTS

LOCATION:

TERIYAKI MADNESS

STORE #: 449 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AD
REVIEWED BY: AE

TITLE:

INTERIOR ELEVATIONS (B.O.H.)

SHEET NUMBER:

A201

1	THIS PROJECT SHALL COMPLY WITH ALL FEDERAL AMERICANS WITH DISABILITY ACT (ADA) REGULATION AND ALL LOCAL ACCESSIBILITY REGULATIONS.
2	A.D.A. COMPLIANT SIGNAGE SHALL BE PROVIDED AT MEN'S AND WOMEN'S TOILET ROOMS. SEE SHEET G101 FOR SIGNAGE REQUIREMENTS.
3	THRESHOLDS SHALL BE NO HIGHER THAN 1/2" ABOVE THE FLOOR. EDGE TO BE BEVELED WITH A SLOPE NO GREATER THAN 1 IN 2.
4	PROVIDE 18" CLEAR SPACE AT STRIKE/PULL SIDE ON INTERIOR DOORS AND 12" CLEAR AT STRIKE/PUSH SIDE OF DOORS W/CLOSERS.
5	PROVIDE KICKPLATES ON KITCHEN SIDE OF REAR EXIT. KICKPLATES SHALL BE ON THE PUSH SIDE OF THE DOOR.
6	GENERAL CONTRACTOR (G.C.) SHALL VERIFY WITH SUPPLIER THAT ALL HARDWARE MEETS A.D.A. REQUIREMENTS.
7	GENERAL CONTRACTOR (G.C.) TO INSPECT EXISTING DOOR HARDWARE AND REPAIR AND/OR REPLACE HARDWARE AS REQUIRED TO ENSURE A PROPERLY OPERATING DOOR.
8	COORDINATE HARDWARE WITH SECURITY AND ELECTRICAL REQUIREMENTS FOR DOORS.
9	ALL DOOR HARDWARE SHALL BE LEVER TYPE - NOT REQUIRING TIGHT GRASPING OR EXCESSIVE WRIST MOVEMENT. ALL DOOR(S) SHALL OPERATE IN A SINGLE CONTINUOUS MOTION. ALL DOOR HARDWARE SHALL BE MOUNTED BETWEEN 34"- 48" AFF.
10	HARDWARE SCHEDULE HAS BEEN DEVELOPED FOR DESIGN INTENT ONLY. HARDWARE PROVIDER SHALL VERIFY THE FUNCTION AND COMPATIBILITY OF ALL COMPONENTS.
11	CLOSERS: DOOR CLOSERS TO BE MOUNTED ON ROOM SIDE OF DOORS. DOOR CLOSERS TO HAVE A MAXIMUM OPENING FORCES OF 5 LBF (INTERIOR HINGED DOORS). THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES. THE DOOR SHALL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 IN. FROM THE LATCH. MEASURED TO THE LEADING EDGE OF THE DOOR.
12	ALL DOOR HINGES TO BE STEEL BALL BEARING. FULL MORTISE TYPE.
13	ALL METAL DOOR FRAMES TO BE PROVIDED WITH SILENCERS.
14	GENERAL CONTRACTOR SHALL ENSURE ALL EXISTING DOORS TO REMAIN TO BE IN GOOD OPERATING ORDER AND MEET CURRENT BUILDING CODES AND ADA REQUIREMENTS. GENERAL CONTRACTOR TO RESTORE DOORS AND HARDWARE TO "LIKE NEW" CONDITION.
15	EXTERIOR HINGES TO HAVE NON-REMOVABLE PINS.
16	ALL GLASS SHALL BE CLEAR TEMPERED UNLESS OTHERWISE NOTED.
17	OWNER / CONTRACTOR TO COORDINATE DOOR HARDWARE PRIOR TO ORDERING.

DOOR & HARDWARE NOTES

FULL | 4

HARDWARE SCHEDULE

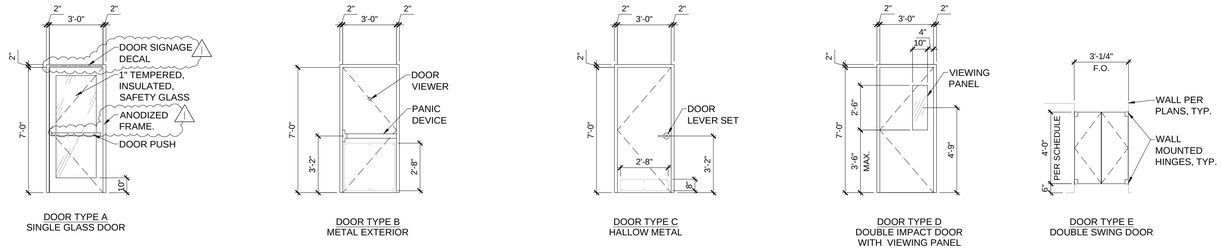
QTY.	DESCRIPTION	MANUFACTURER	NUMBER	FINISH
HARDWARE SET #1 (ENTRY / PATIO / EXTERIOR)				
3 (PER DOOR)	HINGES	HAGER	BB1279 4.5x4.5	MATCH DOOR
1	PUSH HANDLE	HAGER	130S, 32D OR SIM.	MATCH DOOR
1	PULL HANDLE	HAGER	11J, 32D OR SIM.	MATCH DOOR
1	CLOSER	NORTON	CLP8501R W/ 8148 DROP PANEL	MATCH DOOR
1	ADA THRESHOLD	PEMKO	273x292AFGPK	MATCH DOOR
1	DOOR SWEEP	PEMKO	90041-NB	MATCH DOOR
1	WEATHER STRIP	PEMKO	AM88BL	
1	STOREFRONT MORTISE DEADLATCH LOCK EXIT PADDLE HANDLE LATCH KITOUTSIDE CYLINDER	PACIFIC DOORWARE OR SIM.	INCLUDES DEADLATCH LOCK, FACEPLATE, PADDLE HANDLE, STRIKE PLATE, LOCK CYLINDER & 2 KEYS	MATCH DOOR
1	PEEL AND STICK BACKING DOOR SIGNAGE DECAL: "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS"	BY G.C.		ROCKWOOD SILVER DECAL WITH BLACK LETTERING
HARDWARE SET #2 (SERVICE / EXTERIOR)				
3 (PER DOOR)	HINGES	HAGER	BB 1279 NPR 4.5x4.5	US26D
1	LEVER TRIM	DETEX	S-08BN	US26D
1	PANIC HARDWARE	DETEX	V40	711
3	SILENCERS	DON-JO	1608	GREY
1	KICKPLATE (INTERIOR)	HAGER	190S - 36"H x 40"W	630
1	CLOSER	LCN	4040 SERIES	ALUM.
1	PEEPHOLE 185 DEG.	HAGER	1756	US26D
PER OWNER	DOORBELL			
1	WEATHER STRIP	PEMKO	AM88	
1	ADA THRESHOLD	PEMKO	273x292AFGPK	
1	FLOOR DOOR STOP	HAGER	243F	US19
1	DOOR SWEEP	PEMKO	90041-NB	
HARDWARE SET #3 (RESTROOM)				
3	HINGES	HAGER	BB1279 4.5" X 4.5"	L1/693 FLAT BLACK
1	PRIVACY LOCK	ARROW	APL02	626
1	CLOSER	NORTON	P8501 X AL	-
1	SIGNAGE	BY VENDOR	BY VENDOR	-
2	KICKPLATE	HAGER	190S	US26D SATIN CHROME
1	DOOR STOP	HAGER	252F	US19
3	SILENCERS	DON-JO	1608	GREY
HARDWARE SET #4 (OFFICE / IT CLOSET / INTERIOR)				
3	HINGES	HAGER	BB1279 4.5" X 4.5" 26D	L1/693 FLAT BLACK
1	OFFICE LOCK ENTRY	ARROW	RL-11-IC-SR-26D-R62-R71-LC	
2	KICKPLATE	HAGER	190S	US26D SATIN CHROME
1	DOOR STOP	HAGER	252F	US19

DOOR SPECIFICATIONS

LWP-3 FOOD SERVICE (LIGHT TO MEDIUM TRAFFIC DOOR)

HINGES	GLAZING	WINDOW MOLDING	FACING
DOUBLE-ACTION EASY SWING (R) PROPRIETARY HINGES, ZINC COATED.	CLEAR ACRYLIC 9"W X 14"H	BLACK RUBBER	NONE (MODEL LWP-3)

VERIFY ALL OPENINGS PRIOR TO FABRICATION.



DOOR TYPE A — SINGLE GLASS DOOR
DOOR TYPE B — METAL EXTERIOR
DOOR TYPE C — HALLOW METAL
DOOR TYPE D — DOUBLE IMPACT DOOR WITH VIEWING PANEL
DOOR TYPE E — DOUBLE SWING DOOR

DOOR TYPES

1/4" = 1'-0" | 3

TAG	TYPE	LOCATION	DESCRIPTION	SIZE	DOOR / FRAME FINISH	HARDWARE	REMARKS
D-100	(EXISTING) A	STOREFRONT ENTRY	ALUMINUM DOOR WITH FULL GLASS PANEL	3'-0"X7'-0"X1 3/4"	NEW PAINT TO MATCH EXISTING	HARDWARE SET 1	EXISTING DOOR AND FRAME TO RECEIVE FRESH PAINT AND NEW HARDWARE LOCK SET. TOUCH UP FINISH AS NEEDED.
D-101	(EXISTING) B	SERVICE ENTRY	METAL EXTERIOR DOOR	3'-0"X7'-0"X1 3/4"	NEW PAINT TO MATCH EXISTING	HARDWARE SET 2	EXISTING DOOR AND FRAME TO RECEIVE FRESH PAINT AND HARDWARE AS NEEDED. ADD PANIC HARDWARE. TOUCH UP FINISH AS NEEDED.
D-102	(EXISTING) C	ALL GENDER RESTROOM	HOLLOW METAL DOOR	3'-0"X7'-0"X1 3/4"	P-4	HARDWARE SET 3	EXISTING DOOR AND FRAME TO RECEIVE FRESH PAINT AND HARDWARE AS NEEDED. ADD PANIC HARDWARE. TOUCH UP FINISH AS NEEDED.
D-103	(EXISTING/RELOCATED) D	FOOD SERVICE	DOUBLE ACTING IMPACT ELIASON DOOR	3'-0"X7'-0"X0.063"(1.6MM)	ANODIZED SATIN WITH P-4 FRAME.	BY MANUFACTURER	LWP-3: LIGHT TO MEDIUM TRAFFIC DOOR. THICK TEMPERED ALUMINUM ALLOY, DELTA FORMED VERTICAL EDGES; MOUNTING SCREWS FOR FLUSH JAMBS INCLUDED. GC TO BRING TO A LIKE-NEW CONDITION OR REPLACE AS NEEDED.
D-104	(NEW) E	COOKLINE / SERVICE	ELIASON DOUBLE ACTING IMPACT GATE	3'-0" X 4'-0" F.O. 3'- 1/4"	ANODIZED SATIN DOOR WITH BLACK WALL MOUNTED BRACKETS	BY MANUFACTURER	ELIASON LWP GATES. TO BE INSTALLED 6" AFF WITH WALL MOUNTED HINGES. NO FLOOR MOUNTED MODELS ACCEPTABLE.
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

NOTE: EXISTING DOORS AND FRAMES ARE TO RECEIVE NEW FINISHES AS SCHEDULED. REFER TO DOOR TYPE AND HARDWARE SCHEDULE SET # . VERIFY ALL OPENINGS PRIOR TO FABRICATION.

DOOR SCHEDULE

FULL | 2

DOOR HARDWARE & SPEC.

FULL | 1

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CONSULTANT:

DRAWING SEAL:

LICENSED ARCHITECT
ROBERT J. SARGENTI
No. C-31054
07/31/27
Renewal Date
STATE OF CALIFORNIA

06/23/26

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LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: MR
REVIEWED BY: AE / AD

TITLE:

DOOR SCHEDULE

SHEET NUMBER:

A400

TOILET ACCESSORIES NOTES

1	ALL TOILET ACCESSORIES AND FIXTURES SHALL MEET ALL REQUIREMENTS OF ADA GUIDELINES.
2	INSTALL ACCESSORIES W/ SCREWS OR BOLTS EXTENDING AT LEAST 1" INTO SOLID BLOCKING.
3	ALL ACCESSORIES TO BE STAINLESS STEEL.
4	NOT ALL ACCESSORIES MAY BE USED. REFER TO TOILET ROOM PLANS.
5	REFER TO RESPONSIBILITY SCHEDULE FOR PROCUREMENT.

GENERAL CLEARANCE NOTES

1	GENERAL TOE CLEARANCE: SPACE BENEATH AN ELEMENT BETWEEN 9" ABOVE THE FLOOR SHALL BE CONSIDERED TOE CLEARANCE.
2	MAXIMUM DEPTH TOE CLEARANCE: TOE CLEARANCE SHALL BE PERMITTED TO EXTEND 25" MAXIMUM UNDER AN ELEMENT.
3	MINIMUM DEPTH TOE CLEARANCE: WHERE TOE CLEARANCE IS REQUIRED BENEATH AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE TOE CLEARANCE SHALL EXTEND 17" MINIMUM BENEATH THE ELEMENT.

GENERAL NOTES

1	TOILET ROOM (HARDWARE, ACCESSORIES, GRAB BARS, ETC) SHALL CONFORM TO ALL LOCAL, STATE & FEDERAL REQUIREMENTS INCLUDING BUT NOT LIMITED TO, THE AMERICANS WITH DISABILITIES ACT (ADAAG) AND CALI.
2	ALL TOILET STALLS TO HAVE ONE TOILET PAPER DISPENSER W/ BLOCKING IN WALL AS REQUIRED FOR INSTALLATION.
3	WHERE ONLY ONE DISPENSER OF ANY TYPE IS PROVIDED, MOUNT AT ACCESSIBLE HEIGHT.
4	ALL CONSTRUCTION AND MOUNTING HEIGHTS SHALL COMPLY WITH ALL APPLICABLE CITY AND STATE ACCESSIBILITY REGULATIONS AS WELL AS THE FEDERAL ADA (AMERICANS WITH DISABILITIES ACT OF 1990) REGULATIONS. REFER TO QUESTIONABLE MOUNTING HEIGHTS TO THE ARCHITECT FOR FINAL DECISION.
5	NOT ALL ACCESSORIES MAY BE USED, REFER TO TOILET ACCESSORIES SCHEDULE AND TOILET ROOM PLANS.
6	TENANT G.C. TO ENSURE SOAP DISPENSER (IF USED) IS MOUNTED OUTSIDE REQUIRED 60" CLEAR AREA FOR WATER CLOSET
7	THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS. ALL WATER SUPPLIES AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE PROTECTIVE / INSULATION WRAP AT WATER AND DRAIN LINES.
8	**DOOR LOCK/ LEVER:** OPERATION: THE LOCK SHOULD BE EASY TO OPEN WITH ONE HAND, WITHOUT REQUIRING TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. LEVER HANDLES, PUSH BUTTONS, OR OTHER ACCESSIBLE MECHANISMS ARE PREFERRED OVER TRADITIONAL ROUND KNOBS. HEIGHT: THE LOCK SHOULD BE LOCATED BETWEEN 34 AND 48 INCHES ABOVE THE FLOOR. FORCE: THE MAXIMUM FORCE REQUIRED TO ENGAGE OR DISENGAGE THE LOCK SHOULD NOT EXCEED 5 LBS.

SIGNAGE NOTES

1	LETTERS AND NUMBERS SHALL BE RAISED 1/32". UPPER CASE, SANS SERIF OR SIMPLE SERIF TYPE SHALL BE ACCOMPANIED W/ GRADE 2 BRAILLE. RAISED CHARACTERS SHALL BE AT LEAST 5/8" H. BUT NO HIGHER THAN 2". PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAMS. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE 6" MIN. IN HEIGHT.
2	WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NOT WALL SPACE TO THE SIDE OF THE DOOR, INCLUDING AT THE DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. MOUNTING HEIGHT SHALL BE 60" A.F.F. TO THE CENTERLINE OF THE SIGN. MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF THE DOOR.
3	TOILET ROOMS SHALL BE IN CONTRASTING COLOR.
4	ADA TOILET ROOM PERMANENT WALL SIGNAGE GENERAL NOTE: ADA TOILET ROOM PERMANENT SIGNS SHALL BE INSTALLED ON WALL ON LATCH SIDE OF DOOR ON EXTERIOR AT +60" TO THE CENTERLINE OF THE SIGN. SIGN SHALL CONTAIN 5/8" UPPER CASE 1/32" RAISED SANS-SERIF CHARACTERS W/ CORRESPONDING GRADE 2 BRAILLE. 6" MIN H. PICTOGRAM SHALL BE PLACED DIRECTLY BELOW. SIGNAGE SHALL BE LOCATED ADJACENT TO THE DOOR ON THE LATCH SIDE TO ALLOW APPROACH WITHIN 3" OF SIGNAGE WITHOUT PROTRUDING OBJECTS. INSTALL THESE SIGNS IN AL LOCATIONS.

KEYNOTES

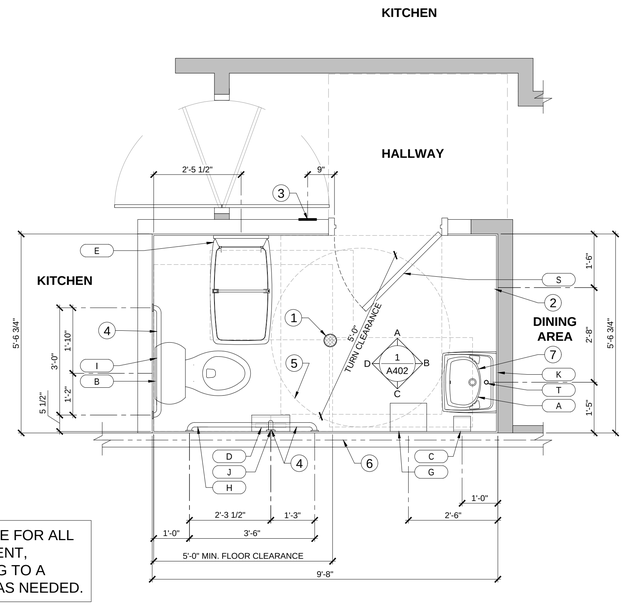
1	SLOPE FLOOR FINISH TO (E) FLOOR DRAIN AT 1/8" PER FEET.
2	LOCATION OF POSTER.
3	ADA SIGNAGE TO BE INSTALLED ON LATCH SIDE OF DOOR. REFER TO SIGNAGE NOTES G101 SERIES FOR MORE INFORMATION.
4	GRAB BARS AND HANDRAILS ARE STAINLESS STEEL W/ PEENED FINISH. PROVIDE ADEQUATE BLOCKING. REFERENCE FLOOR PLAN FOR LOCATION OF GRAB BARS. REFERENCE DIAGRAMS PROVIDED FOR GRAB BAR DIMENSIONS. REFER TO DETAIL 7/A501.
5	60" DIA. ADA CLEAR FLOOR SPACE.
6	LEASE LINE.
7	LOCATION OF RELOCATED EXISTING LAVATORY.

MARK	QTY	SPECIFICATIONS	MANUFACTURER	MODEL	FURNISHED BY	INSTALLED BY
A	(R)	LAVATORY	KOHLER	K-2032-0 OR SIMILAR - WHITE	GC	GC
B	(E)	WATER CLOSET	KOHLER HIGHLINE	K-3493 OR SIMILAR - WHITE	GC	GC
C	1	SOAP DISPENSER	BOBRICK	#B-40	GC	GC
D	1	TOILET TISSUE DISPENSER	TORK	#59TR SSC31007328662247 SMOKE	OWNER	GC
E	1	BABY CHANGING STATION	KOALA KARE	#KB300-05, WHITE GRANITE	OWNER	GC
G	1	PAPER TOWEL DISPENSER	GEORGIA PACIFIC	ENMOTION #59462A TRANSLUCENT SMOKE	OWNER	GC
H	1	42" HORIZONTAL GRAB BAR	BOBRICK	B-6806x42	GC	GC
I	(E)	36" HORIZONTAL GRAB BAR	BOBRICK	B-6806x36	GC	GC
J	1	18" VERTICAL GRAB BAR	BOBRICK	B-6806x18	GC	GC
K	1	MIRROR	BOBRICK	B-165 2436	GC	GC
S	1	GARMENT HOOK	BRADLEY CORP	914	GC	GC
T	1	FAUCET	REFER TO ENGINEER'S PLUMBING SCHEDULE	REFER TO ENGINEER'S PLUMBING SCHEDULE	GC	GC

NOTE: COORDINATE FIXTURE SCHEDULE WITH PLUMBING DRAWINGS. NOTIFY ARCHITECT AND PROJECT MANAGER OF ANY DISCREPANCIES. COORDINATE SUBSTITUTIONS WITH TERIYAKI MADNESS (TMAD) DESIGN MANAGER.

PLUMBING FIXTURE AND ACCESSORY SCHEDULE — FULL — 3

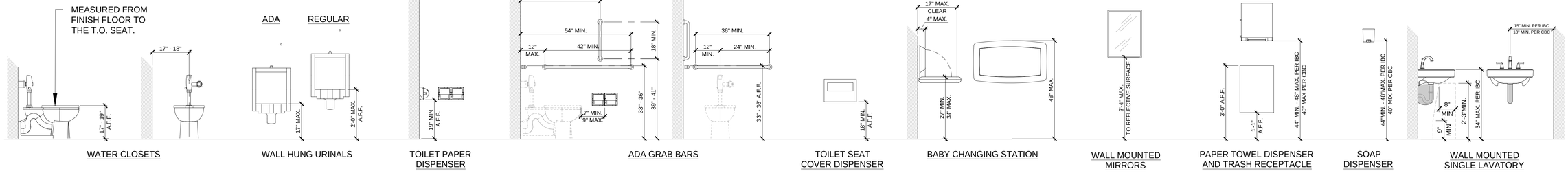
REFER TO PLUMBING FIXTURE AND ACCESSORY SCHEDULE ON 4/A401.



GC TO VERIFY FEASIBILITY OF REUSE FOR ALL EXISTING AND RELOCATED EQUIPMENT, FIXTURES AND ACCESSORIES. BRING TO A LIKE-NEW CONDITION OR REPLACE AS NEEDED.

ENLARGED RESTROOM PLAN — 1/2" = 1'-0" — 2

NOTE:
REFER TO GENERAL NOTES SECTION OF THIS SHEET.



TYPICAL MOUNTING HEIGHTS — 1/2" = 1'-0" — 1

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CONSULTANT:

DRAWING SEAL:

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2	05/21/26	HEALTH COMMENTS
3	06/08/26	DEVELOPMENT COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

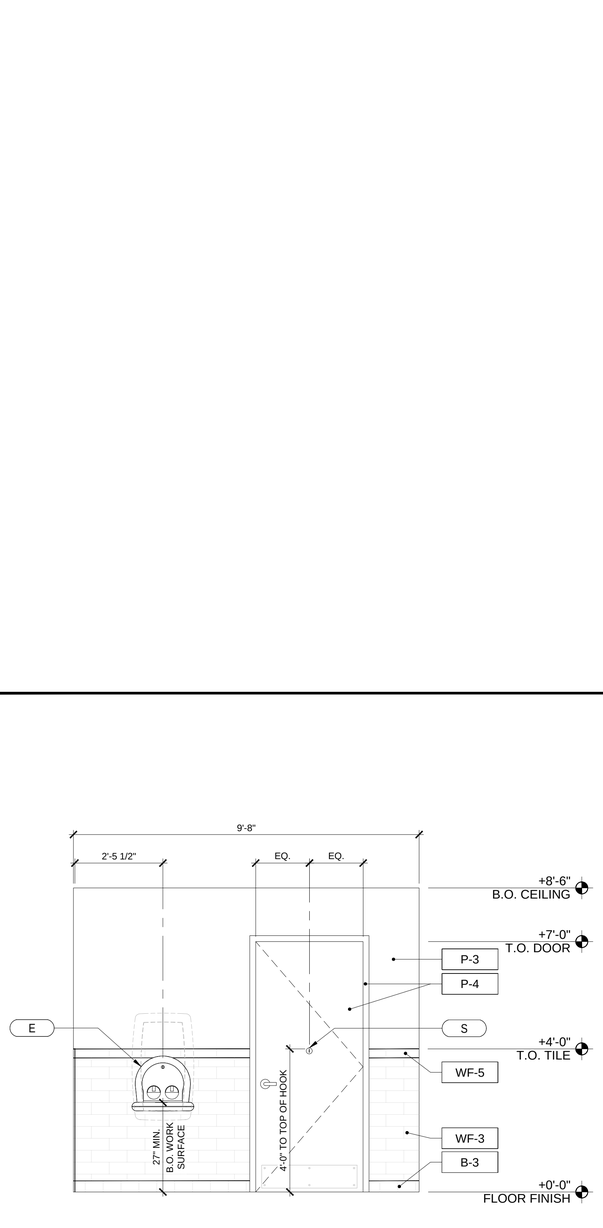
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AD
REVIEWED BY: AE

TITLE:

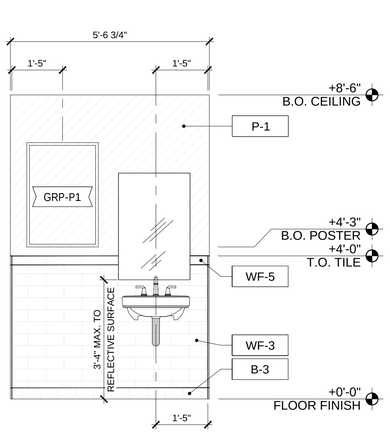
ENLARGED RESTROOM PLAN & SCHEDULE

SHEET NUMBER:

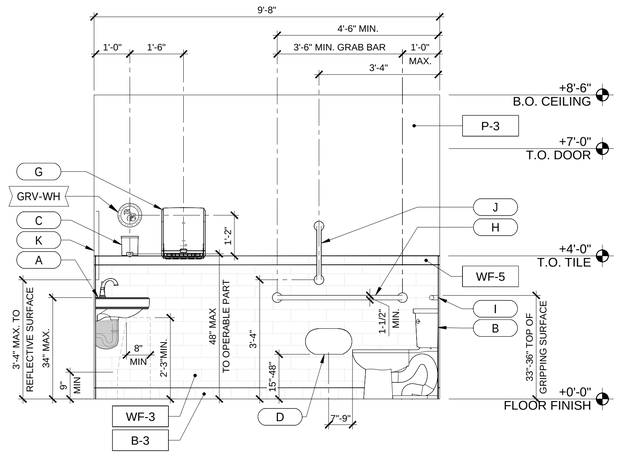
A401



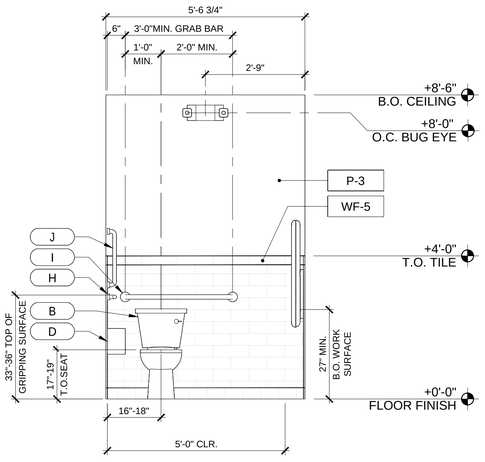
ELEV- A



ELEV- B



ELEV- C



ELEV- D

ALL GENDER RESTROOM ELEVATIONS

1/2" = 1'-0" | 1

DIAGONAL HATCH TO INDICATE LOCATION OF P-1 FINISH.

BULL NOSE TILE AT TOP TO BE WF-5 FINISH.

STAGGERED 4"x12" WALL TILE TO BE WF-3 FINISH.

3.75"x6" FLOOR BASE TO BE FINISH B-3.

LEGEND

N.T.S. | -

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PLANO, TX 75024
T|972.521.8150 ✱ WWW.SARGARCH.COM

CONSULTANT:

DRAWING SEAL:

LICENSED ARCHITECT
ROBERT J. SARGENTI
No. C-31054
07/31/27
Renewal Date
STATE OF CALIFORNIA

06/23/26

CONTRACTOR'S NOTES:

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TERIYAKI MADNESS

TERIYAKI MADNESS
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APPLE VALLEY, CALIFORNIA 92308

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PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AD REVIEWED BY: AE

TITLE:

RESTROOM ELEVATIONS
AND FIXTURE SCHEDULE

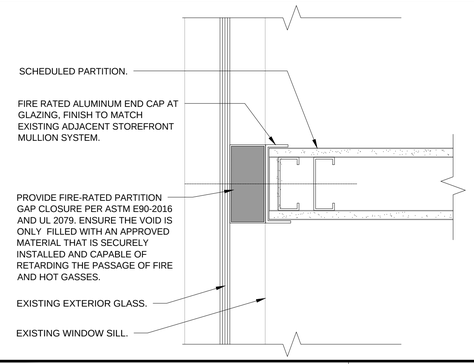
SHEET NUMBER:

A402

NOT USED

1 1/2" = 1'-0" | 9

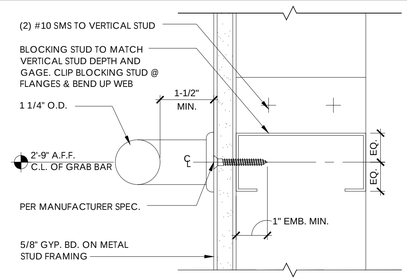
WALL DETAIL AT WINDOW



3" = 1'-0" | 8

RESTROOM GRAB BAR

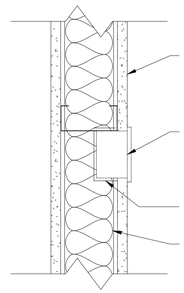
ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 250LBS IS APPLIED AT ANY POINT ON THE GRAB BAR FASTENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE.



1 1/2" = 1'-0" | 7

RESTROOM RECPT. BOX

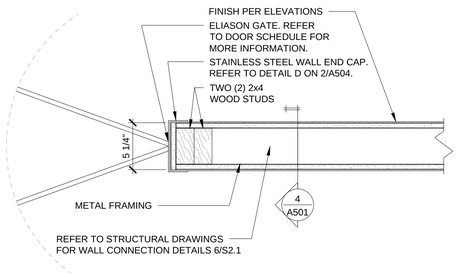
NOTE:
DEVICES ON OPPOSING SIDES OF THE SAME WALL TO BE IN DIFFERENT STUD CAVITIES RECEPT. @ ACOUS. PART.



1 1/2" = 1'-0" | 6

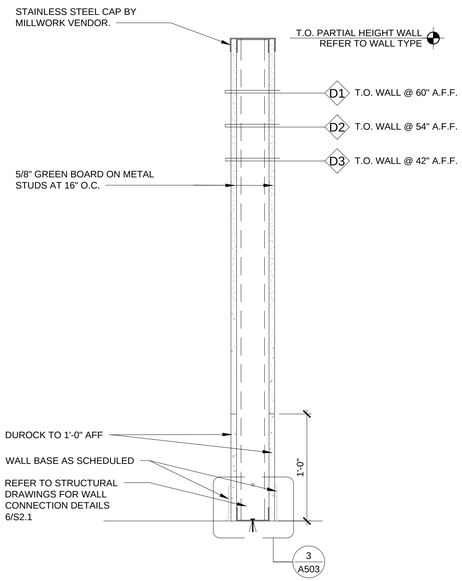
CORED LOW WALL SUPPORT

NOTE:
PROVIDE AT EACH END AND CHANGE OF DIRECTION.



1 1/2" = 1'-0" | 5

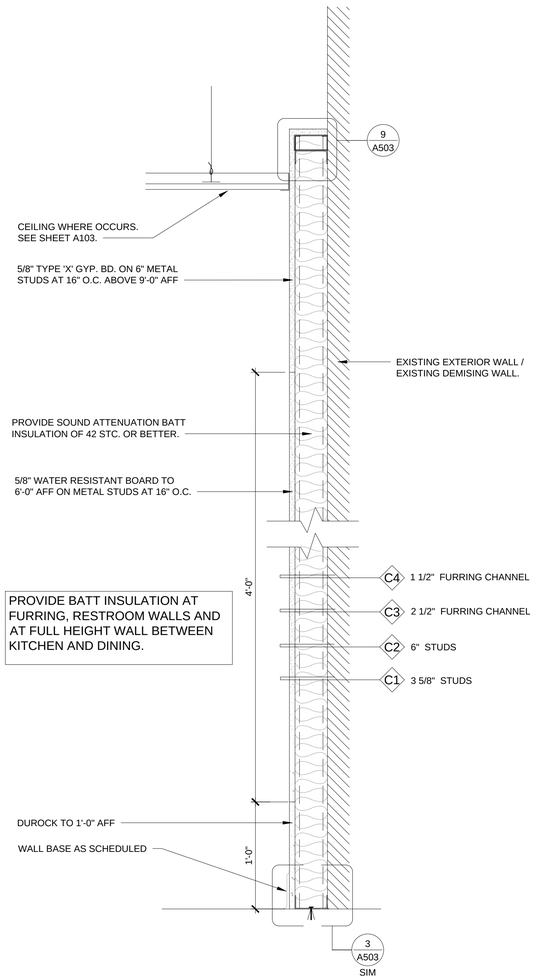
LOW WALL SECT. (TYPE D)



FRP INSTALLED ON ALL SIDES IN KITCHEN LOW WALL. TOP OF WALL IN KITCHEN @ 45" AFF. COORDINATE WITH KITCHEN EQUIPMENT SUPPLIER EXACT HEIGHT IN FIELD.

1 1/2" = 1'-0" | 4

FURRING SECTION (TYPE C)



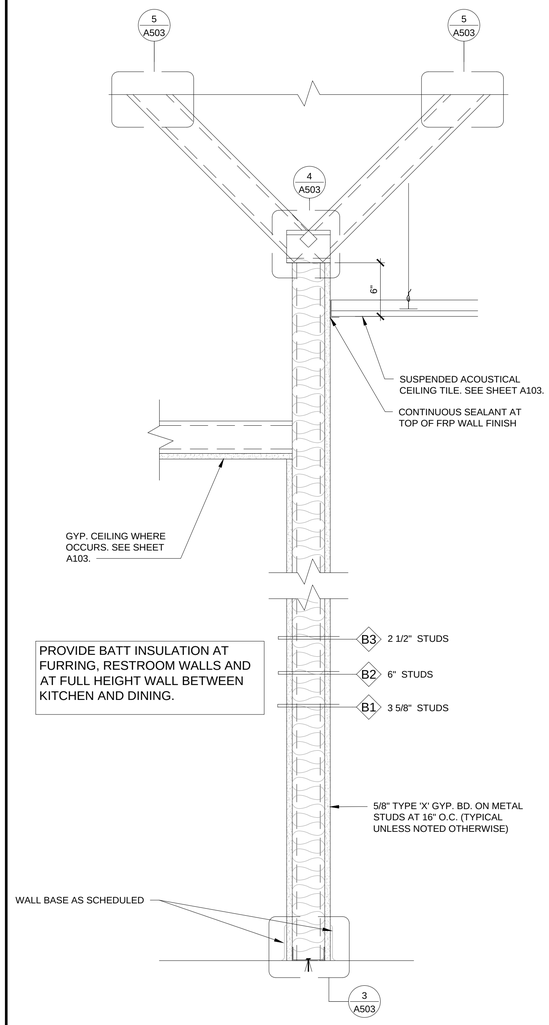
PROVIDE BATT INSULATION AT FURRING, RESTROOM WALLS AND AT FULL HEIGHT WALL BETWEEN KITCHEN AND DINING.

5/8" MOISTURE RESISTANT GYP. BD. AT ALL WALLS WITH PLUMBING FIXTURES, DUROCK CEMENT BOARD TO 12" AFF (KITCHEN WALLS, BAR WALLS, RESTROOM WALLS AND ALL WET AREAS THROUGHOUT)

PROVIDE FIBER CEMENT BOARD BEHIND ALL WALL TILE

1 1/2" = 1'-0" | 3

WALL SECTION (TYPE B)



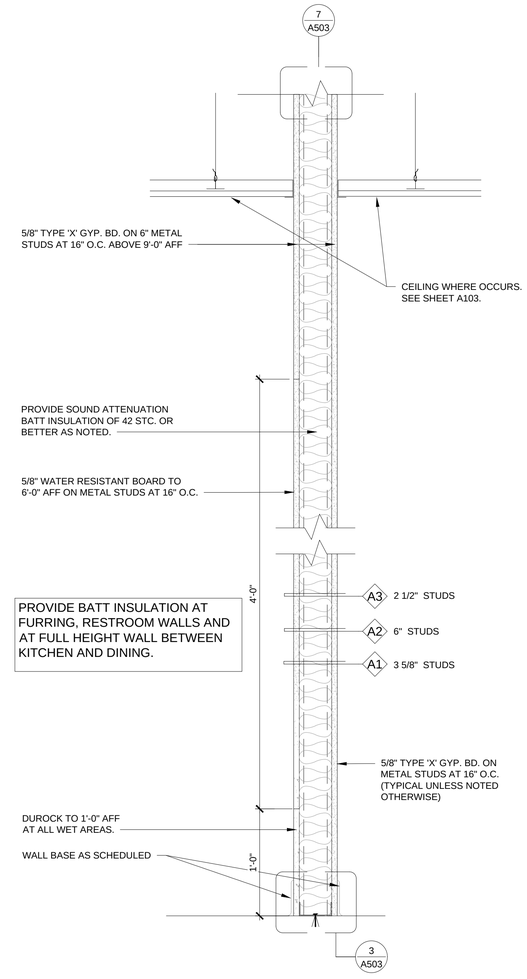
PROVIDE BATT INSULATION AT FURRING, RESTROOM WALLS AND AT FULL HEIGHT WALL BETWEEN KITCHEN AND DINING.

5/8" MOISTURE RESISTANT GYP. BD. AT ALL WALLS WITH PLUMBING FIXTURES, DUROCK CEMENT BOARD TO 12" AFF (KITCHEN WALLS, BAR WALLS, RESTROOM WALLS AND ALL WET AREAS THROUGHOUT)

PROVIDE FIBER CEMENT BOARD BEHIND ALL WALL TILE

1 1/2" = 1'-0" | 2

WALL SECTION (TYPE A)



PROVIDE BATT INSULATION AT FURRING, RESTROOM WALLS AND AT FULL HEIGHT WALL BETWEEN KITCHEN AND DINING.

5/8" MOISTURE RESISTANT GYP. BD. AT ALL WALLS WITH PLUMBING FIXTURES, DUROCK CEMENT BOARD TO 12" AFF (KITCHEN WALLS, BAR WALLS, RESTROOM WALLS AND ALL WET AREAS THROUGHOUT)

PROVIDE FIBER CEMENT BOARD BEHIND ALL WALL TILE

1 1/2" = 1'-0" | 1

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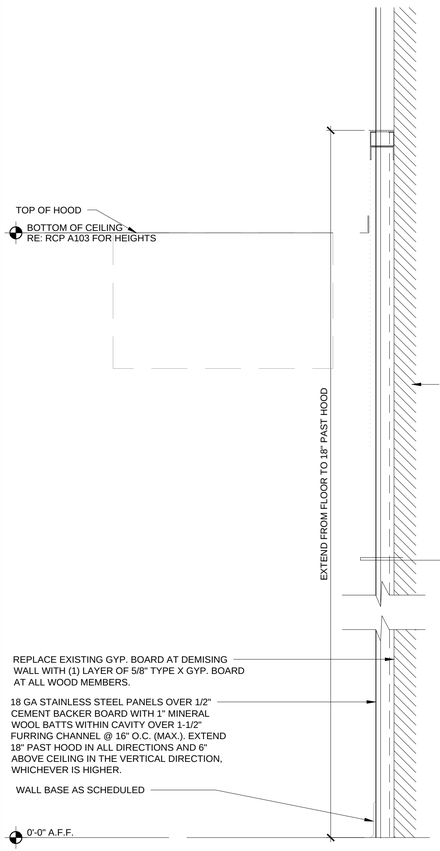
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AD
REVIEWED BY: AE

TITLE:

PARTITION DETAILS

SHEET NUMBER:

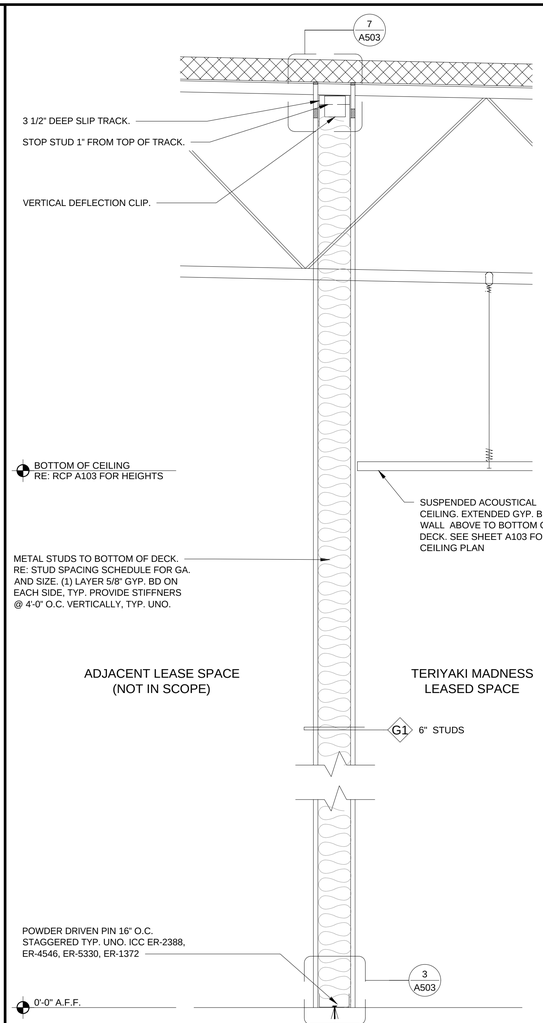
A501



NOTE:
- REFER TO A103 FOR CEILING HEIGHTS.
- STRUCTURAL INFORMATION FOR THE ROOF FRAMING ABOVE CEILING FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITION.
- PROVIDE MINERAL WOOL BATTS AT HOOD STAND-OFF WALL. EXTEND 18" MIN. PAST HOOD IN ALL DIRECTIONS.
- HOOD STAND-OFF ONLY APPLIES WHERE THE STRUCTURE BEHIND THE HOOD IS MADE OF COMBUSTABLE MATERIAL (i.e. WOOD). REFER TO CONSTRUCTION TYPE ON G001 AND CONSTRUCTION FLOOR PLAN IF WALL TYPE IS REQUIRED AND/OR USED.

HOOD STAND OFF (TYPE H)

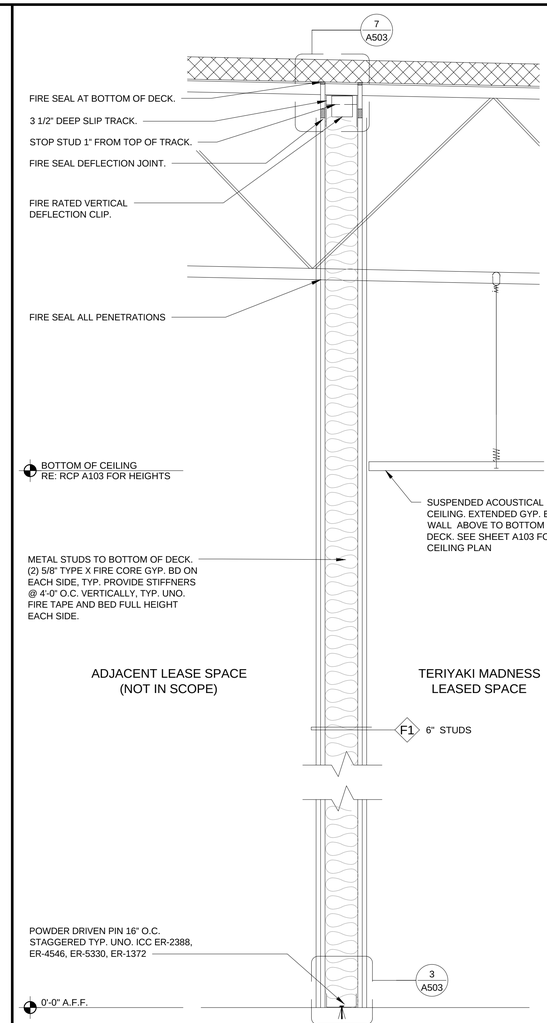
1 1/2" = 1'-0" | 4



NOTE:
- REFER TO A103 FOR CEILING HEIGHTS.
- STRUCTURAL INFORMATION FOR THE ROOF FRAMING ABOVE CEILING FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITION.
- CONTRACTOR TO PROVIDE BACKING AS REQD. FOR MTG. ALL WALL, CEILING & PARTITION MTD. ITEMS SUCH AS OVERHEAD CABINETS, TELECOM EQUIPMENT, RESTROOM ACCESSORIES, FLIP-UP FRAME, ETC. LOCATIONS & REQUIREMENTS ARE TO BE COORDINATED WITH PLUMBING, MECHANICAL, AND ELECTRICAL AS WELL AS TERIYAKI MADNESS SUPPLIED ITEMS.

WALL SECTION (TYPE G)

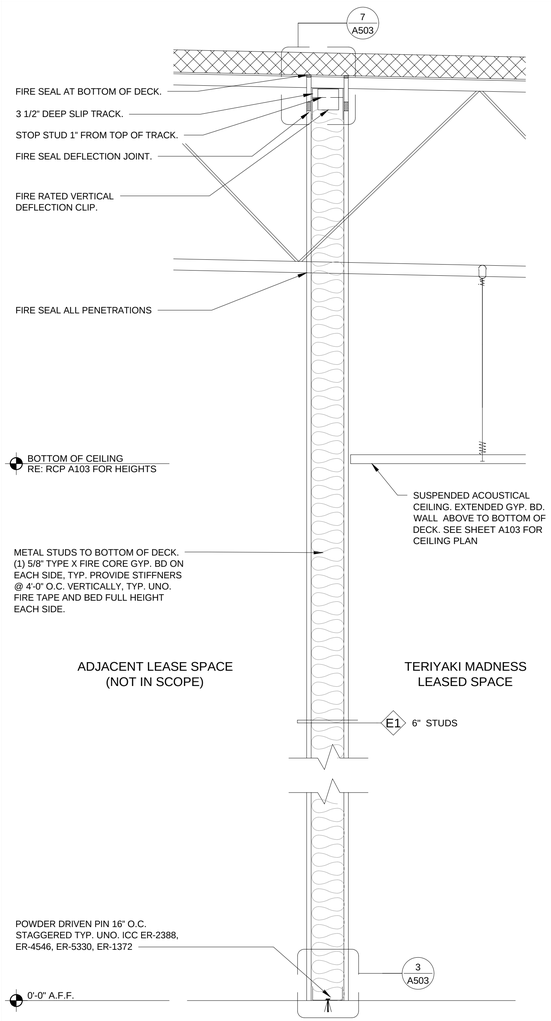
1 1/2" = 1'-0" | 3



NOTE:
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- STRUCTURAL INFORMATION FOR THE ROOF FRAMING ABOVE CEILING FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITION.
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- 2 HR RATED WALL. GA FILE NO. WP 1072

WALL SECTION (TYPE F)

1 1/2" = 1'-0" | 2



NOTE:
- REFER TO A103 FOR CEILING HEIGHTS.
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- 1 HR RATED WALL. GA FILE NO. WP 1072

WALL SECTION (TYPE E)

1 1/2" = 1'-0" | 1

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CONSULTANT:

DRAWING SEAL:

LICENSED ARCHITECT
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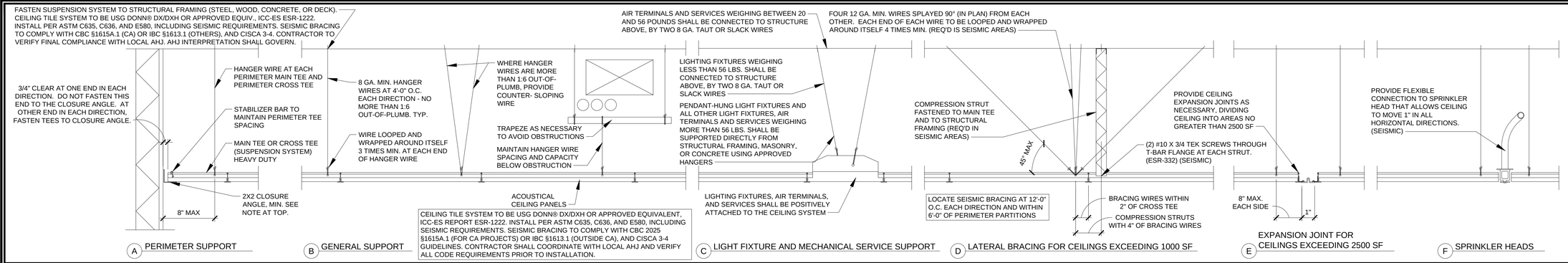
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AD REVIEWED BY: AE

TITLE:

PARTITION DETAILS

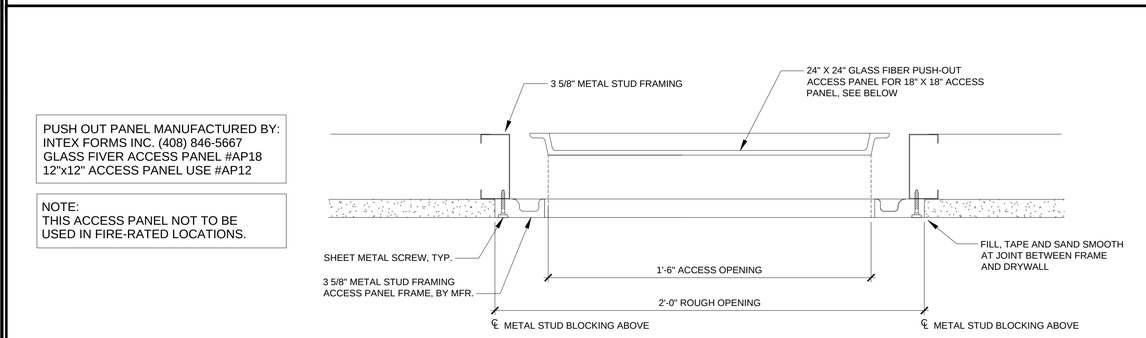
SHEET NUMBER:

A501.1



INSTALLATION OF SUSPENDED GRID CEILING

3"=1'-0" | 11



ACCESS PANEL IN GYP CEILING

3" = 1'-0" | 10

NOTE:
LATERAL BRACING FOR SUSPENDED CEILINGS SHALL BE PROVIDED WHERE SYSTEM LOADS ARE LESS THAN 5 PSF AND THE CEILING IS NOT SUPPORTING INTERIOR PARTITIONS, PER IBC/CBC REQUIREMENTS.

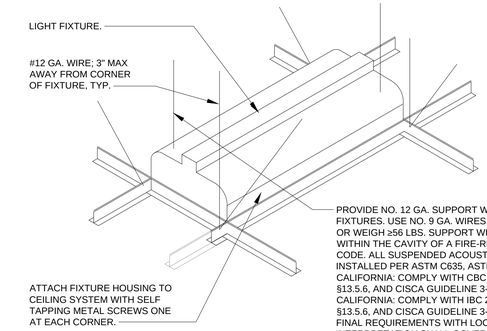
BRACING TO CONSIST OF FOUR (4) NO. 12 GA. WIRES SECURED TO THE MAIN TEE INTERSECTION, SPLAYED 90° IN PLAN (HORIZONTALLY), AND ORIENTED IN BOTH DIRECTIONS.
THE FIRST RESTRAINT POINT SHALL BE WITHIN 4'-0" OF EACH WALL.
ATTACHMENT OF RESTRAINT WIRES TO STRUCTURE ABOVE SHALL BE ADEQUATE FOR LOADS IMPOSED.

INSTALL (2) ADDITIONAL SUPPORT WIRES AT OPPOSITE CORNERS OF EACH LIGHT FIXTURE (MAY BE SLACK).
PENDANT-HUNG FIXTURES OR FIXTURES WEIGHING ≥56 LBS SHALL BE SUPPORTED DIRECTLY FROM STRUCTURE ABOVE WITH NO. 9 GA. WIRE OR APPROVED ALTERNATE—NOT FROM THE CEILING GRID.

CBC Projects: COMPLY WITH CBC 2025 §§1615A.1, ASCE 7-16 §13.5.6, AND CISCA 3-4.

IBC Projects: COMPLY WITH IBC §1613.1, ASCE 7-16 §13.5.6, AND CISCA 3-4.

CONTRACTOR SHALL VERIFY SEISMIC DESIGN REQUIREMENTS AND FINAL BRACING LAYOUT WITH THE LOCAL AHJ PRIOR TO INSTALLATION. AHJ INTERPRETATION SHALL GOVERN.

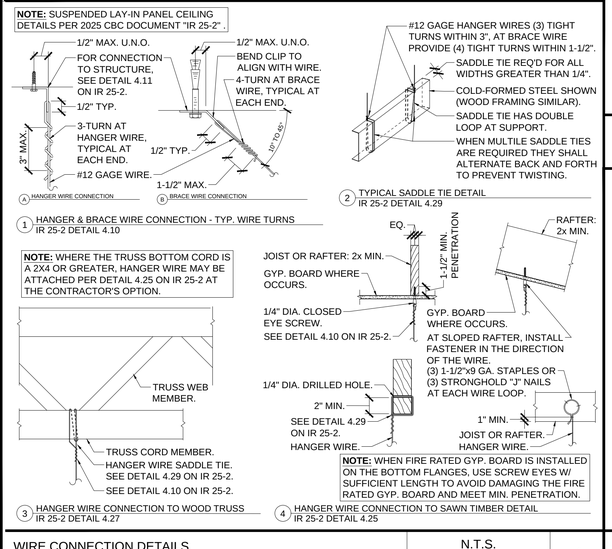


LIGHT FIXTURE INSTALLATION

3" = 1'-0" | 9

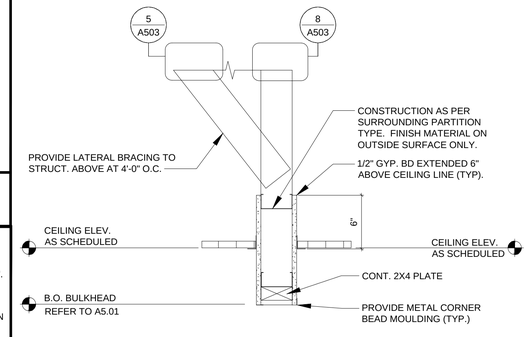
NOT USED

1" = 1'-0" | 8



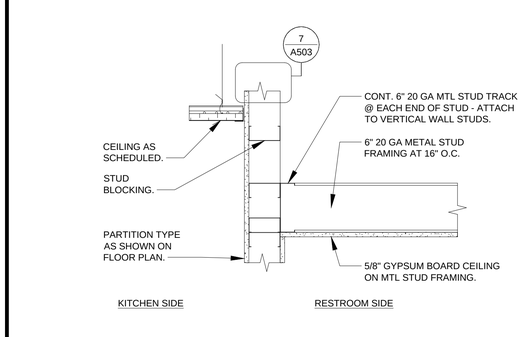
WIRE CONNECTION DETAILS (DETAILS FROM IR 25-2)

N.T.S. | 4



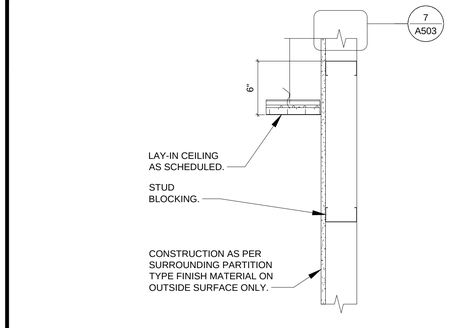
CLG TRANSITION RR/DINING

1 1/2" = 1'-0" | 7



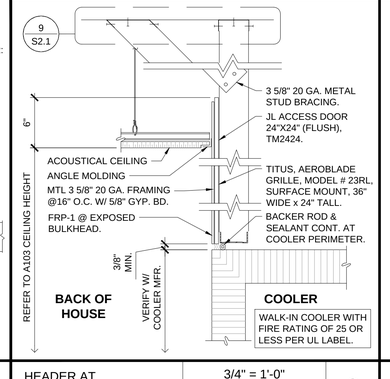
GYP BD CEILING DETAIL

1 1/2" = 1'-0" | 6



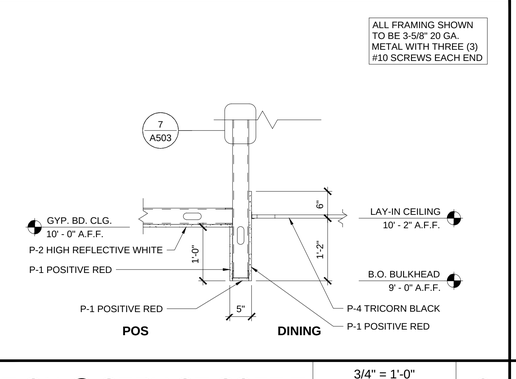
WALL INTERSECTION

1 1/2" = 1'-0" | 5



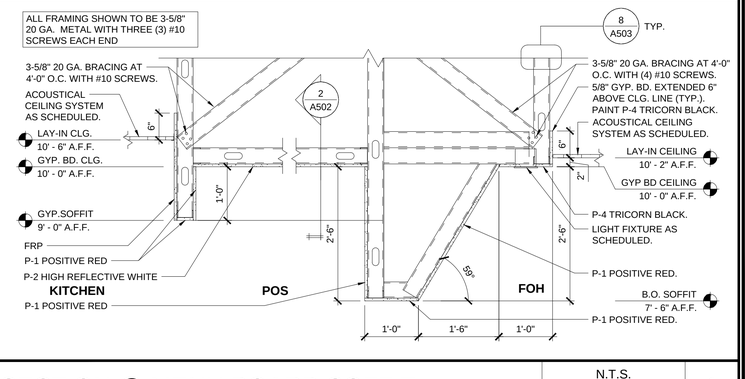
HEADER AT WALK-IN-COOLER

3/4" = 1'-0" | 3



SECTION @ SERVICE SOFFIT

3/4" = 1'-0" | 2



SECTION @ MENU BOARD SOFFIT

N.T.S. | 1

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3	05/21/26	HEALTH COMMENTS
4	06/08/26	DEVELOPMENT COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108.
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AD
REVIEWED BY: AE

TITLE:

CEILING DETAILS

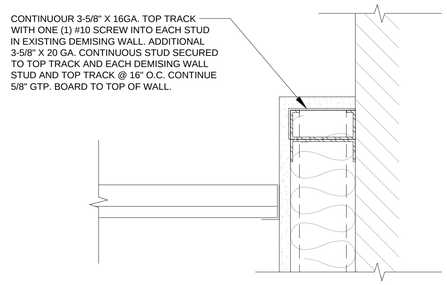
SHEET NUMBER:

A502

NOT USED | 3" = 1'-0" | 12

NOT USED | 3" = 1'-0" | 11

NOT USED | 3" = 1'-0" | 10



TOP OF FURRING ATTACHMENT | 3" = 1'-0" | 9

ATTACHMENT SCHEDULE TO UNDERSIDE OF STRUCTURE

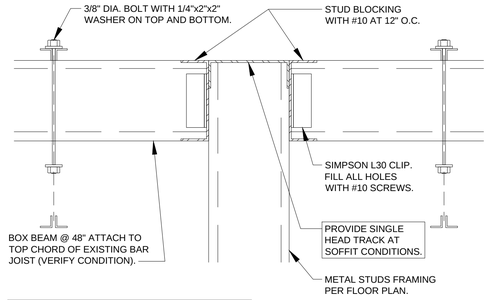
STRUCTURE TYPE	FASTENERS
CONCRETE SLAB	2 - HILTI X-DNI LOW VELOCITY DRIVE PINS ICC ESR-1663
METAL DECK	2 - #12-14 X 1" HWN TRAXX/2
METAL DECK W/ CONCRETE	1 3/4" X 3/16" Æ TAPCON (2) ANCHORS IN PRE-DRILLED HOLES
METAL DECK W/LIGHT WEIGHT FILL (ZONOLITE GYPSUM)	2 - #12-14 X 1" HWN TRAXX/2 IN PRE-DRILLED HOLES

ATTACHMENT SCHEDULE AT TOP OF FURRED WALL

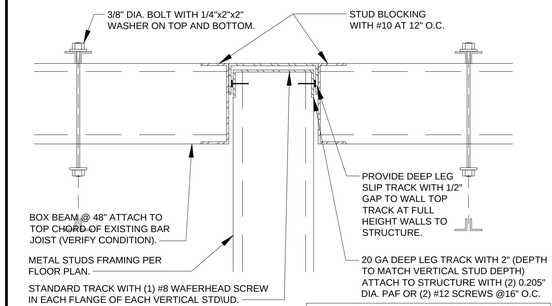
CONSTRUCTION OF EXISTING WALL	FASTENERS @ CONT ANGLE	FASTENERS @ BRACING
BRICK	1 3/4" X 3/16" Æ TAPCON (2) ANCHORS 24" OC TO ALIGN W/ STUDS; ESR-2202	BRACING NOT REQUIRED
CMU	1 3/4" X 3/16" Æ TAPCON (2) ANCHORS 24" OC TO ALIGN W/ STUDS; ESR-2202	BRACING NOT REQUIRED
CONCRETE	1 3/4" X 3/16" Æ TAPCON (2) ANCHORS 24" OC TO ALIGN W/ STUDS; ESR-2202	BRACING NOT REQUIRED
3 5/8" MTL STUD W/ GYP BD	#12-14 X 1 1/4" TO EACH STUD	3" X 3" X 20 GA CLIP ANGLE X 3"
6" MTL STUD W/ GYP BD	#12-14 X 1 1/4" TO EACH STUD	2 #8-18 X 1/2" HWH TEKS/2
WOOD	#10 X 2" TO EACH WALL STUD IN PRE-DRILLED HOLES	BRACING AND TRACK WEBS

ATTACHMENT SCHEDULE | 3" = 1'-0" | 6

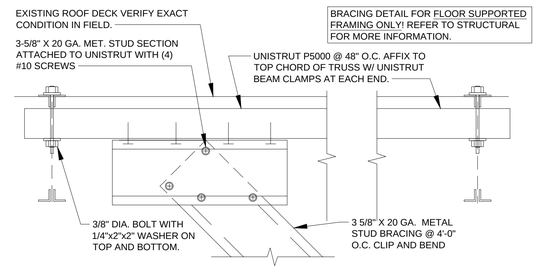
NOT USED | 3" = 1'-0" | -



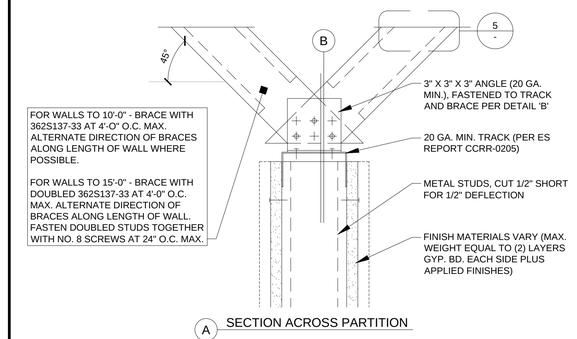
ATTACHMENT TO TOP CHORD | 3" = 1'-0" | 8



WALL - TOP ATTACHMENT | 3" = 1'-0" | 7



BRACING ATTACHMENT | 3" = 1'-0" | 5

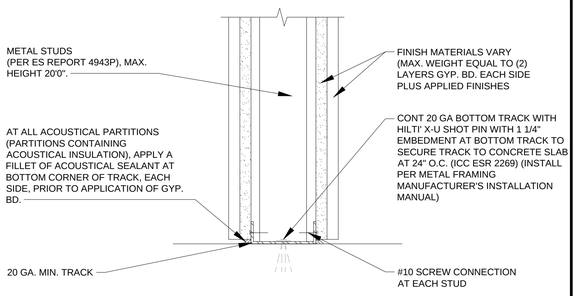


TOP OF WALL BRACING DETAILS | 3" = 1'-0" | 4

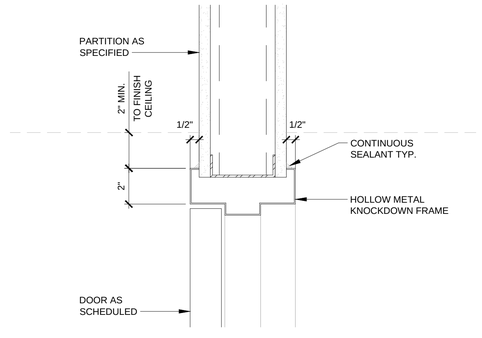
FASTENERS:
AT PLYWOOD FLOOR (MIN. 3/4" CDX):
PROVIDE (2) NO. 8 X 3/4" WOOD SCREWS AT 24" O.C. MAX. STAGGERED FOR (1) LAYER GYP. BD. EACH SIDE, 16" O.C. MAX. STAGGERED FOR (2) LAYERS GYP. BD. EACH SIDE.

AT CIP CONCRETE FLOOR:
PROVIDE HILTI X-DNI .145"Ø X 1" EMBED (POWDER-ACTUATED FASTENERS PER ES REPORT ESR-1663) AT 24" O.C. MAX. STAGGERED FOR (1) LAYER GYP. BD. EACH SIDE, 16" O.C. MAX. STAGGERED FOR (2) LAYERS GYP. BD. EACH SIDE.

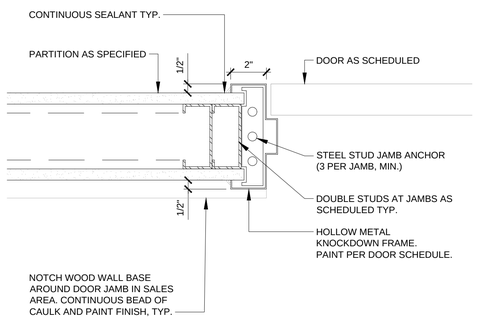
AT POST-TENSIONED CONCRETE FLOOR:
PROVIDE HILTI X-DNI .145Ø X 3/4" EMBED (POWER-ACTUATED FASTENERS PER ES REPORT ESR-1663) AT 24" O.C. MAX. STAGGERED FOR (1) LAYER GYP. BD. EACH SIDE, 16" O.C. MAX. STAGGERED FOR (2) LAYERS GYP. BD. EACH SIDE.



PARTITION FLOOR CONNECTION | 3" = 1'-0" | 3



TYP. HEAD DETAIL | 3" = 1'-0" | 2



TYP. JAMB DETAIL | 3" = 1'-0" | 1

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CONSULTANT:

DRAWING SEAL:

LICENSED ARCHITECT
ROBERT J. SARGENTI
No. C-31054
07/31/27
Renewal Date
STATE OF CALIFORNIA

06/23/26

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. RPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

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LOCATION:

TERIYAKI MADNESS
STORE # 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

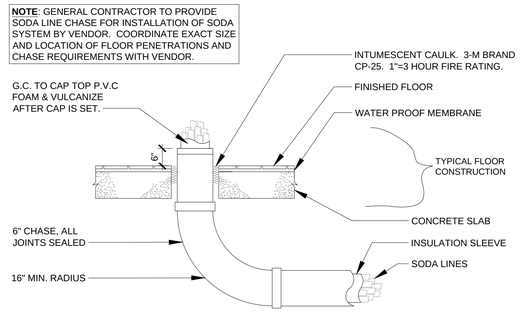
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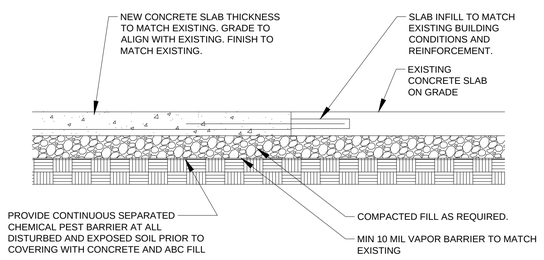
CONSTRUCTION DETAILS

SHEET NUMBER:

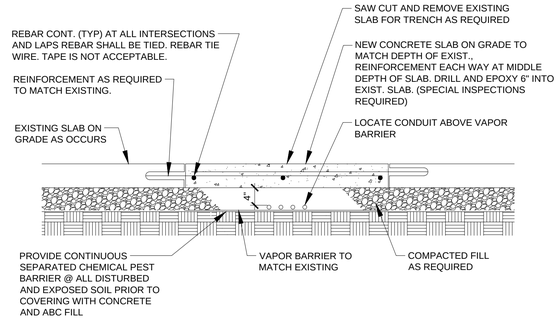
A503



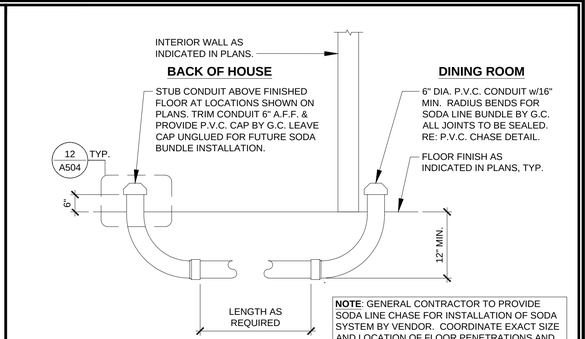
PVC CHASE DETAIL | 6" = 1'-0" | 12



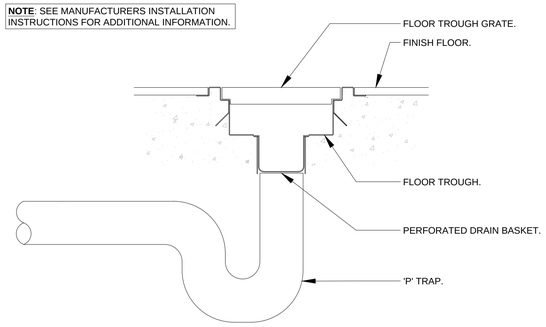
SLAB INFILL | 3" = 1'-0" | 11



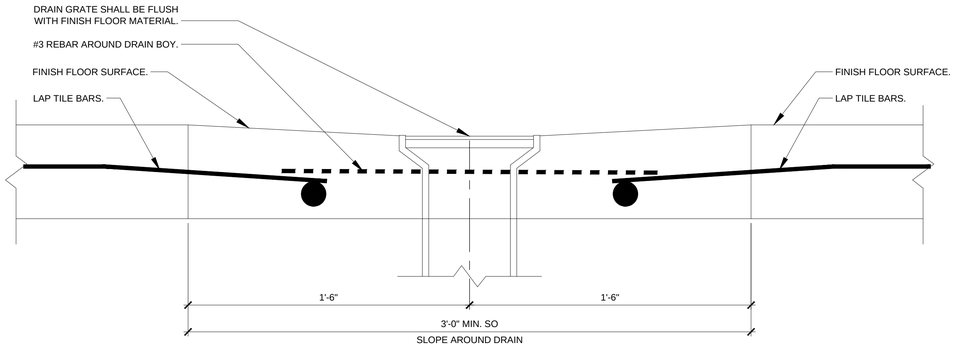
SLAB/TRENCH INFILL | 3" = 1'-0" | 10



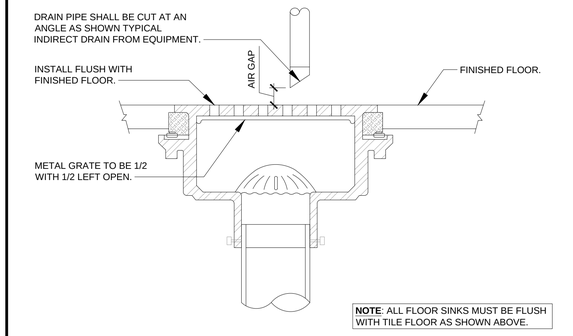
SODA LINE ROUTING DETAIL | 3" = 1'-0" | 9



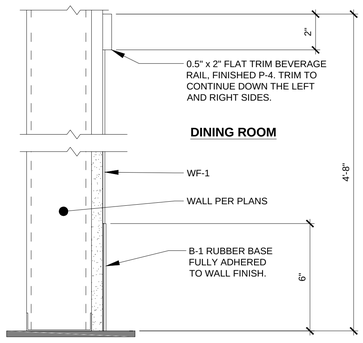
TROUGH DRAIN DETAIL | N.T.S. | 8



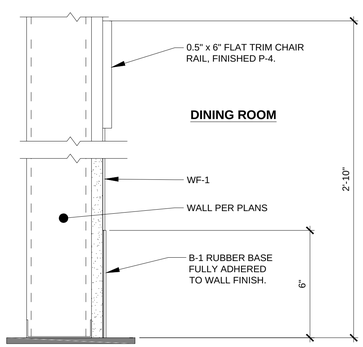
FLOOR DRAIN DETAIL | 6" = 1'-0" | 7



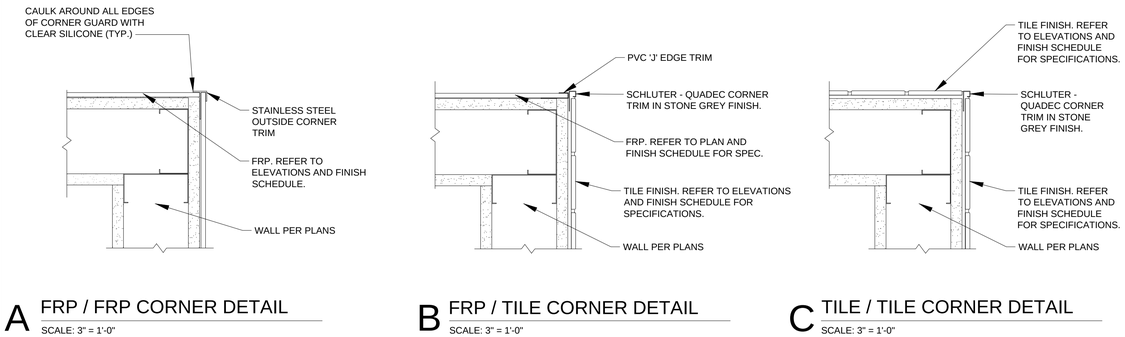
FLOOR SINK DETAIL | 6" = 1'-0" | 6

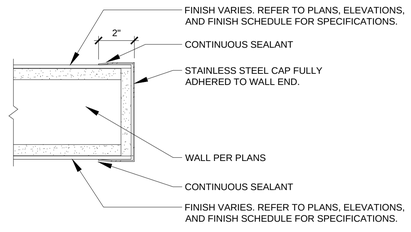


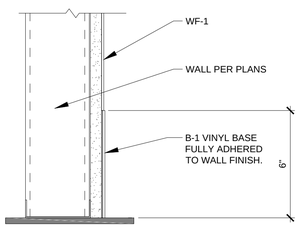
WAINSCOT PANEL @ BEV. | 3" = 1'-0" | 5



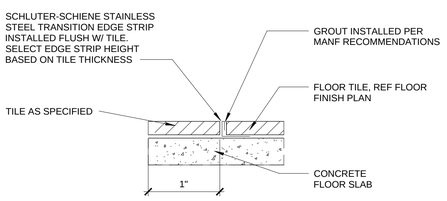
WAINSCOT PANELS @ DINE | 3" = 1'-0" | 3



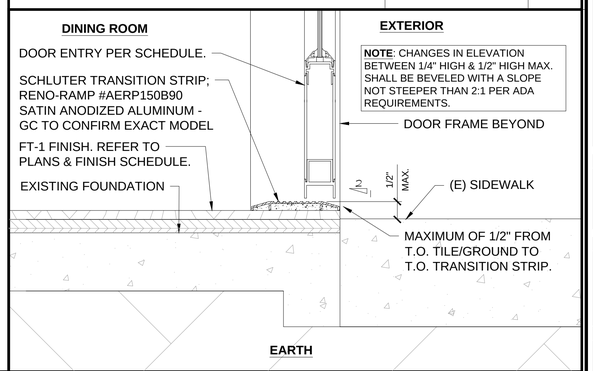




TYPICAL WALL AND CORNER DETAILS | 3" = 1'-0" | 2



TILE TRANSITION | 12"=1'-0" | 4



FLOOR THRESHOLD | 3" = 1'-0" | 1

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CONSULTANT:

DRAWING SEAL:

LICENSED ARCHITECT
ROBERT J. SARGENTI
No. C-31054
07/31/27
STATE OF CALIFORNIA

06/23/26

CONTRACTOR'S NOTES:

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LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
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PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AD
REVIEWED BY: AE

TITLE:

GENERAL DETAILS

SHEET NUMBER:

A504

NEW PACKAGED ROOFTOP UNIT WITH GAS HEAT SCHEDULE

MARK RTU-	ARRANGEMENT	NOMINAL TONS	SUPPLY FAN					NATURAL GAS HEATING					NET COOLING PERFORMANCE DATA								COMPRESSOR		CONDENSER	ELECTRICAL DATA				MANUFACTURER MAKE AND MODEL	UNIT WEIGHT (LBS.)	REMARKS
			SUPPLY CFM	O/A CFM	EXT. S.P.	QTY	BHP	EAT	MIN. LAT	OUTPUT MBH	INPUT MBH	NO. STAGES	CAPACITY (MBH) TOTAL	SENS.	L.AT.	O.D. D.B.	ENTERING D.B.	ENTERING W.B.	EER2(EER)	SEER2(IEER)	QTY	REF. TYPE	NO. FANS	V	PH	MCA	MOCP			
1	DOWNFLOW	3	1,200	300	0.8	1	0.66	58.8	90	56.0	70	1	36.3	33.6	2.7	102.8	82	63	12.0	14.0	1	R454B	1	208	3	21.8	30	YORK KQG04	775	1-17
2	DOWNFLOW	6	2,400	250	0.8	1	1.82	65.3	90	91.0	114	1	71.1	62.4	8.7	102.8	78	63	(11.0)	(15.4)	1	R454B	1	208	3	41.6	60	YORK KXGA7	1,025	1-19

1. YORK IS THE BASIS FOR DESIGN. NO EXCEPTIONS. REFER TO NATIONAL ACCOUNT NOTE ON THIS SHEET.
2. PROVIDE WITH THE FOLLOWING WARRANTIES: 5-YEAR COMPRESSOR, 10-YEAR HEAT EXCHANGER, 1-YEAR ALL PARTS.
3. CONTRACTOR SHALL PROVIDE UNIT START-UP SERVICES.
4. PROVIDE WITH 2-IN. PLEATED MERV-13 FILTER.
5. EQUIPMENT SHALL BE IDENTIFIED BY MEANS OF ENGRAVED LAMINATED PLASTIC OR ETCHED METAL NAMEPLATES PERMANENTLY ATTACHED TO EQUIPMENT.
6. PROVIDE WITH TITLE 24 COMPLIANT 7-DAY, 24-HR, FULLY PROGRAMMABLE THERMOSTAT LOCATED PER CONSTRUCTION DOCUMENTS.
7. EQUIPMENT SHALL BE SET PLUMB AND LEVEL. PROVIDE WITH 14-IN TALL GALVANIZED INSULATED FACTORY ROOF CURB TO MATCH ROOF SLOPE.
8. EQUIPMENT SHALL BE INSTALLED BY AUTHORIZED REPRESENTATIVE OF MANUFACTURER OR VERIFIED BY MANUFACTURER'S REPRESENTATIVE.
9. EXTERNAL STATIC PRESSURE (IN. W.G.) INCLUDES DUCTWORK, BALANCING DAMPERS AND AIR DEVICES ONLY.
10. CAPACITIES SHOWN ARE NET FROM UNIT DISCHARGE. UNITS MUST PERFORM TO LISTED CAPACITIES AND SATISFY BOTH SENSIBLE AND LATENT REQUIREMENTS.
11. FUEL FOR HEATING SHALL BE NATURAL GAS.
12. PROVIDE FACTORY-MOUNTED CONDENSER HAIL GUARDS.
13. PROVIDE UNIT WITH INTEGRAL DISCONNECT AND UNPOWERED GFCI RECEPTACLE.
14. PROVIDE WITH SMOKE DETECTOR LOCATED IN SUPPLY DUCT INTERLOCKED TO SUPPLY FAN AS REQUIRED BY CODE.
15. PROVIDE WITH CORROSION RESISTANT CONDENSATE DRAIN PAN.
16. PROVIDE UNIT WITH STAINLESS STEEL HEAT EXCHANGER.
17. PROVIDE UNIT WITH LOW-AMBIENT KIT SUITABLE DOWN TO 0°F AND CRANKCASE HEATER.
18. PROVIDE WITH LOW-LEAK ECONOMIZER DAMPERS.
19. PROVIDE WITH FIXED DRY BULB ECONOMIZER WITH BAROMETRIC RELIEF AND FAULT DETECTION DIAGNOSTICS PER TITLE 24.

VENTILATION CALCULATION

PER CMC TABLE 402.1

ROOM NAME	PEOPLE	CFM/PERSON	CFM/SF	AREA (SF)	PEOPLE X CFM/PERSON	SF X CFM/SF	EA CFM/SF	E/A CFM/ FIXTURE	NO. OF FIXTURES	O.A. CFM	ZONE AIR EFFECTIVENESS (0.8)	REQUIRED E/A
DINING AREA	20	7.5	0.18	450	150	81	0	0	0	231	289	0
POINT OF SALE	3	5	0.06	85	15	6	0	0	0	21	26	0
KITCHEN	12	7.5	0.12	595	90	72	0	0	0	162	203	0
RESTROOM	0	0	0	60	0	0	0	70	1	0	0	70
MINIMUM O/A AND E/A CFM REQUIRED							=				518	70
TOTAL O/A AND E/A CFM PROVIDED							=				550	75

VALUES REPRESENT CONDITIONS DURING NORMAL OPERATION, NOT CONSIDERING ECONOMIZER OPERATION.

AIR DEVICE SCHEDULE

MARK	SERVES	FACE SIZE	MOUNTING	TYPE	MATERIAL	MANUFACTURER MAKE AND MODEL	MAX NC	NOTES
A	SUPPLY	24" X 24"	LAY-IN	AEROBLADE	STEEL	TITUS TMS	25	1,3-7
B	SUPPLY	24" X 24"	LAY-IN	AEROBLADE	ALUMINUM	TITUS TMS-AA	25	1,2,4-7
C	SUPPLY	12" X 12"	SURFACE	AEROBLADE	STEEL	TITUS TMS	25	1-2,4-7
D	RETURN	24" X 24"	LAY-IN	PERFORATED	STEEL	TITUS PAR	25	1,3,4,6,7
E	RETURN	24" X 24"	LAY-IN	PERFORATED	ALUMINUM	TITUS PAR-AA	25	1,2,4,6,7

NOTES:
1. UNITS SHALL BE FURNISHED WITH APPROPRIATE FRAMES, ETC. FOR MOUNTING IN RESPECTIVE CEILING/WALL TYPES AND CONDITIONS
2. PROVIDE WHITE FINISH FOR BACK OF HOUSE AND RESTROOMS. VERIFY ALL FINISH REQUIREMENTS WITH ARCHITECT.
3. PROVIDE BLACK FINISH FOR AIR DEVICES IN DINING AREA. VERIFY ALL FINISH REQUIREMENTS WITH ARCHITECT.
4. OR APPROVED EQUAL
5. FOUR-WAY THROW UNLESS OTHERWISE NOTED.
6. TRANSITION FROM BACK OF AIR DEVICE TO DUCT SIZE SHOWN ON PLANS.
7. PROVIDE WITH OPTIONAL OPPOSED BLADE DAMPER WITH SCREWDRIVER OPERATOR FOR AIR BALANCE.

FAN SCHEDULE

MARK	LOCATION	CFM	EXT. SP IN. W.G.	MOTOR DATA HP (W)	VOLTS	PH	DRIVE	MAX. SONES	MANUFACTURER AND MODEL NUMBER	WEIGHT (LBS.)	NOTES
EF-1	CEILING	75	0.5	(29.2)	115	1	DIRECT	2.5	LOREN-COOK, GC-146	12	1-8
KEF-1	ROOF										9,11
MAU-1	ROOF										10,11

NOTES:
1. OR APPROVED EQUAL
2. FAN TO BE INTERLOCKED WITH AREA LIGHT SWITCH.
3. PROVIDE A GRAVITY BACKDRAFT DAMPER.
4. SUSPEND FROM STRUCTURE ABOVE. USE FAN MANUFACTURER'S HANGING VIBRATION ISOLATOR KIT
5. PROVIDE WITH PREWIRED FAN SPEED CONTROLLER.
6. PROVIDE FAN WITH INTEGRAL DISCONNECT.
7. TERMINATE PER PLAN WITH MANUFACTURER'S CURB-MOUNTED ROOF CAP WITH BIRD SCREEN.
8. PROVIDE A WHITE, ALUMINUM GRILLE
9. KITCHEN HOOD EXHAUST FAN, SWITCH PER CAPTIVEAIRE PLANS.
10. KITCHEN HOOD SUPPLY FAN, SWITCH PER CAPTIVEAIRE PLANS.
11. REFER TO SHEETS M200 THROUGH M206 FOR KITCHEN EQUIPMENT INFORMATION.

AIR BALANCE SCHEDULE

UNIT	SERVES	SUPPLY AIR	RETURN AIR	OUTDOOR AIR	EXHAUST AIR	PRESSURE
RTU-1	DINING	1200	900	300		300
RTU-2	KITCHEN	2400	2150	250		250
MAU-1	KITCHEN			2475		2475
KEF-1	KITCHEN				2800	-2800
EF-1	RESTROOM				75	-75
TOTAL		3600	3050	3025	2875	150

2025 CALIFORNIA GREEN BUILDING STANDARDS CODE
NONRESIDENTIAL MANDATORY MEASURES

INSPECTOR SIGNOFF

DIVISION 5.2 ENERGY EFFICIENCY

SECTION 5.201 GENERAL

5.201.1 Scope. For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory building standards.

5.410.4 TESTING AND ADJUSTING. Testing and adjusting of systems shall be required for buildings less than 10,000 square feet or new systems to serve an addition or alteration subject to Section 303.1.

5.410.4.2 Systems. Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include at a minimum, as applicable to the project:
1. HVAC systems and controls.
2. Indoor and outdoor lighting and controls.
3. Water heating systems.
4. Renewable energy systems.
5. Landscape irrigation systems.
6. Water reuse systems.

5.410.4.3 Procedures. Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system.

5.410.4.3.1 HVAC balancing. In addition to testing and adjusting, before a new space-conditioning system serving a building or space is operated for normal use, the system shall be balanced in accordance with the procedures defined by the Testing Adjusting and Balancing Bureau National Standards; the National Environmental Balancing Bureau Procedural Standards; Associated Air Balance Council National Standards or as approved by the enforcing agency.

5.410.4.4 Reporting. After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services.

5.410.4.5 Operation and maintenance (O & M) manual. Provide the building owner or representative with detailed operating and maintenance instructions and copies of guaranties/warranties for each system. O & M instructions shall be consistent with OSHA requirements in CCR, Title 8, Section 5142, and other related regulations.

5.410.4.5.1 Inspections and reports. Include a copy of all inspection verifications and reports required by the enforcing agency.

SECTION 5.504 POLLUTANT CONTROL

5.504.1.3 Temporary ventilation. The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30% based on ASHRAE 52.1-1992. Replace all filters immediately prior to occupancy, or, if the building is occupied during alteration, at the conclusion of construction.

5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation, or during storage on the construction site and until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may collect in the system.

5.504.5.3 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a Minimum Efficiency Reporting Value (MERV) of 13. MERV 13 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.

Exceptions:
1. An ASHRAE 10% to 15% efficiency filter shall be permitted for an HVAC unit meeting the 2025 California Energy Code having 60,000 Btu/h or less capacity per fan coil, if the energy use of the air delivery system is 0.4 W/cfm or less at design air flow.
2. Existing mechanical equipment.

SECTION 5.506 INDOOR AIR QUALITY

5.506.1 OUTSIDE AIR DELIVERY. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 121 (Requirements For Ventilation) of the 2025 California Energy Code, or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.

5.506.2 CARBON DIOXIDE (CO_2) MONITORING. For buildings or additions equipped with demand control ventilation, CO_2 sensors and ventilation controls shall be specified and installed in accordance with the requirements of the 2025 California Energy Code, Section 120(c)(4).

SECTION 5.508 OUTDOOR AIR QUALITY

5.508.1 OZONE DEPLETION AND GLOBAL WARMING RESTRICTIONS. Installations of HVAC, refrigeration, and fire supression equipment shall comply with Sections 5.5-8.1.1 and 508.1.2.

5.508.1.1 CFCs. Install HVAC and refrigeration equipment that does not contain CFCs.

5.508.1.2 Halons. Install fire suppression equipment that does not contain Halons.

MECHANICAL SYMBOLS LEGEND

	SUPPLY GRILLE AS SPECIFIED
	RETURN GRILLE AS SPECIFIED
	SIDEWALL SUPPLY GRILLE AS SPECIFIED
	FLOW ARROW
	TURNING VANES
	EXHAUST DUCT THROUGH ROOF
	VOLUME DAMPER
MD	MOTORIZED DAMPER
FD	FIRE DAMPER
T	THERMOSTAT
	ELECTRIC DUCT HEATER
	PUMP
D	DUCT MOUNTED SMOKE DETECTOR
D	DUCT MOUNTED SMOKE DETECTOR REMOTE TEST STATION WITH AUDIO/VISUAL ALARM
	EXHAUST FAN
S	REMOTE TEMPERATURE SENSOR
	MOTOR
	RECTANGULAR DUCT BREAK/CONTINUATION
	ROUND DUCT BREAK/CONTINUATION
	DUCT TRANSITION
# x #	DUCT DIMENSIONS - WIDTH x HEIGHT
A 10"Ø 375	GRILLE TYPE / NECK SIZE / CFM — SUPPLY/RETURN GRILLE TAG
C	CO2 SENSOR

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
CD	CONDENSATE DRAIN
CFM	AIR VOLUME - CUBIC FEET / MINUTE
CU	CONDENSING UNIT
DIA	DIAMETER
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
FLA	FULL LOAD AMPS
GPM	GALLONS / MINUTE
HP	HORSEPOWER
LL	LANDLORD
MCA	MINIMUM CIRCUIT AMPACITY
MD	MOTORIZED DAMPER
MOCP	MAXIMUM OVERCURRENT PROTECTION
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OA	OUTSIDE AIR
RA	RETURN AIR
RTU	ROOF TOP UNIT
SA	SUPPLY AIR
TEN	TENANT
TGC	TENANT GENERAL CONTRACTOR
T-STAT	THERMOSTAT
TYP	TYPICAL
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
VD	VOLUME DAMPER
VIF	VERIFY IN FIELD

NOTE: NOT ALL SYMBOLS OR ABBREVIATIONS MAY APPEAR ON PLANS.

FIELD VERIFY ALL CONDITIONS

DESIGN DRAWINGS ARE SCHEMATIC. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING OR AWARD OF CONTRACT TO INSPECT EXISTING FIELD CONDITIONS. THIS CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS.

THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTOR'S COST.

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES. THE PLANS AND SPECIFICATIONS NOT WITHSTANDING, THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

YORK NATIONAL ACCOUNTS HVAC EQUIPMENT PACKAGE

TERIYAKI MADNESS HAS A NATIONAL HVAC AGREEMENT WITH YORK INTERNATIONAL. THE HVAC EQUIPMENT SHALL BE PURCHASED DIRECTLY FROM YORK NATIONAL ACCOUNTS - NO EXCEPTIONS. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND ACCEPTING THE EQUIPMENT, VERIFYING PROPER QUANTITIES, VOLTAGE, HEAT TYPE, ETC., PROVIDING TEMPORARY STORAGE, INSTALLATION, AND FIRST YEAR LABOR WARRANTY.

ALL BIDDERS SHOULD BE REACHING OUT TO THE TERIYAKI MADNESS EMAIL FOR YORK AT BE-NA-TERIYAKIMADNESS@JCI.COM AND PROVIDING A COPY OF THE MECHANICAL PLANS WITH THEIR QUOTE REQUEST. THE AWARDED MECHANICAL CONTRACTOR/GC WOULD NEED TO COMPLETE THE YORK APPLICATION TO PLACE THE ORDER WITH YORK.

FOR TECHNICAL QUESTIONS, PLEASE CONTACT TECH SERVICES AT (800) 481-9738, OPTION #4

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MECHANICAL CODES

- 2025 CALIFORNIA MECHANICAL CODE (CMC), TITLE 24, PART 4
- 2025 CALIFORNIA ENERGY CODE, TITLE 24, PART 6

SARGENTI
5540 LEGACY CIRCLE - STE D230,
PLANO, TX 75024
T|972.521.9150 ■ WWW.SARGARCH.COM

CONSULTANT:
GEMINI ENGINEERING GROUP
Angela Hawkins, P.E. CA-M42738
101 Nightlinger Lane
Millsap, TX 76066
(817) 672-7562

DRAWING SEAL:

LICENSED PROFESSIONAL ENGINEER ANGELA HAWKINS M 42738 MECHANICAL STATE OF CALIFORNIA
06/09/2026

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: OH REVIEWED BY: AH

TITLE:

MECHANICAL NOTES, LEGEND, AND ABBREVIATIONS

SHEET NUMBER:

M001

SECTION 1 - SUPPLEMENTARY CONDITIONS FOR MECHANICAL WORK

1.1.1 GENERAL CONDITIONS

A. ALL WORK COVERED BY THIS SECTION OF THESE SPECIFICATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE RESPECTIVE DRAWINGS, INFORMATION OF INSTRUCTIONS TO BIDDERS, GENERAL REQUIREMENTS AND THE SUPPLEMENTARY GENERAL CONDITIONS OF THESE SPECIFICATIONS.

B. BIDDERS SHALL DETERMINE THE CONTENTS OF A COMPLETE SET OF DRAWINGS AND SPECIFICATIONS AND BE AWARE THAT THEY MAY BE BIDDING FROM A PARTIAL SET OF DRAWINGS, APPLICABLE ONLY TO THE VARIOUS SEPARATE CONTRACT, SUBCONTRACTS OR TRADES AS MAY BE ISSUED FOR BIDDING PURPOSES ONLY. THE CONTRACT DOCUMENTS ARE THE COMBINED ARCHITECTURAL, STRUCTURAL, PLUMBING, HEATING, VENTILATING AND AIR CONDITIONING AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. ALL DRAWINGS AND SPECIFICATIONS ARE ON FILE IN THE ARCHITECTS OFFICE, AND EACH BIDDER SHALL THOROUGHLY ACQUAINT HIMSELF WITH ALL OF THE DETAILS OF THE COMPLETE SET OF DRAWINGS AND SPECIFICATIONS BEFORE SUBMITTING HIS BID. ALL DRAWINGS AND SPECIFICATIONS FORM A PART OF THE CONTRACT DOCUMENTS FOR EACH SEPARATE CONTRACT. THEY SHALL BE CONSIDERED AS BOUND THEREWITH IN THE EVENT PARTIAL SETS OF PLANS AND SPECIFICATIONS SHALL BE DEEMED EVIDENCE OF THE REVIEW AND EXAMINATION OF ALL DRAWINGS, SPECIFICATIONS AND ADDENDA ISSUED FOR THIS PROJECT. NO ALLOWANCES WILL BE MADE BECAUSE OF THE CONTRACTOR'S UNFAMILIARITY WITH ANY PORTION OF THE COMPLETE SET OF DOCUMENTS.

C. ALL EQUIPMENT AND MATERIALS SHALL BE MANUFACTURED IN THE UNITED STATES OF AMERICA.

1.1.2 SCOPE

A. THE WORK INCLUDED UNDER THIS SPECIFICATION CONSISTS OF THE FURNISHING OF ALL LABOR, MATERIALS, TOOLS, TRANSPORTATION, SERVICES, ETC. WHICH ARE APPLICABLE AND NECESSARY TO COMPLETE THE INSTALLATION OF THE SYSTEMS SPECIFIED HEREIN; ALL AS DESCRIBED IN THESE SPECIFICATIONS, AS ILLUSTRATED ON THE ACCOMPANYING DRAWINGS, OR AS DIRECTED BY THE ARCHITECT.

B. IN GENERAL, THE VARIOUS LINES AND DUCTS TO BE INSTALLED BY THE VARIOUS TRADES UNDER THIS SPECIFICATION SHALL BE RUN AS INDICATED, AS SPECIFIED HEREIN, AS REQUIRED BY PARTICULAR CONDITIONS AT THE SITE AND AS REQUIRED TO CONFORM TO THE GENERALLY ACCEPTED STANDARDS SO AS TO COMPLETE THE WORK IN A NEAT AND SATISFACTORILY WORKABLE MANNER. RUN WORK PARALLEL OR PERPENDICULAR TO THE LINES OF THE BUILDING UNLESS OTHERWISE NOTED.

C. THE CONSTRUCTION DETAILS FOR THE BUILDING ARE ILLUSTRATED ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. EACH CONTRACTOR SHALL THOROUGHLY ACQUAINT HIMSELF WITH THE DETAILS BEFORE SUBMITTING HIS BID, AS NO ALLOWANCE WILL BE MADE BECAUSE OF THE CONTRACTOR'S UNFAMILIARITY WITH THESE DETAILS. PLACE ALL INSERTS TO ACCOMMODATE THE ULTIMATE INSTALLATION OF PIPE HANGERS IN THE FORMS BEFORE CONCRETE IS POURED. SET SLEEVES IN PLACE IN FORMS BEFORE CONCRETE IS POURED, AND IN MASONRY WALLS WHILE THEY ARE UNDER CONSTRUCTION. ALL CONCEALED LINES SHALL BE INSTALLED AS REQUIRED BY THE PACE OF THE GENERAL CONSTRUCTION TO PRECEDE THAT GENERAL CONSTRUCTION.

1.1.3 INSPECTION OF SITE

A. THE CONTRACTORS SHALL VISIT THE SITE, VERIFY ALL EXISTING ITEMS SHOWN ON PLANS OR SPECIFIED HEREIN, AND FAMILIARIZE HIMSELF WITH THE WORKING CONDITIONS, HAZARDS, EXISTING GRADES, ACTUAL FORMATIONS, SOIL CONDITIONS, AND LOCAL REQUIREMENTS INVOLVED. SUBMISSION OF BIDS SHALL BE DEEMED EVIDENCE OF SUCH VISIT. ALL PROPOSALS SHALL TAKE THE EXISTING CONDITIONS INTO CONSIDERATION, AND THE LACK OF SPECIFIC INFORMATION ON THE DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR OF ANY RESPONSIBILITY.

1.1.4 UTILITIES, LOCATIONS AND ELEVATIONS

A. LOCATIONS AND ELEVATIONS OF THE VARIOUS UTILITIES INCLUDED WITHIN THE SCOPE OF THIS WORK HAVE BEEN OBTAINED FROM CITY AND/OR OTHER SUBSTANTIALLY RELIABLE SOURCES AND ARE OFFERED SEPARATELY FROM THE CONTRACT DOCUMENTS, AS A GENERAL GUIDE ONLY, WITHOUT GUARANTEE AS TO ACCURACY. THE CONTRACTOR SHALL EXAMINE THE SITE, SHALL VERIFY TO THEIR OWN SATISFACTION THE LOCATIONS, ELEVATIONS AND AVAILABILITY OF ALL UTILITIES AND SERVICES REQUIRED AND SHALL ADEQUATELY INFORM THEMSELVES AS TO THEIR RELATION TO THE WORK; THE SUBMISSION OF BIDS SHALL BE DEEMED EVIDENCE THEREOF.

1.1.5 CODE REQUIREMENTS

A. ALL WORK SHALL COMPLY WITH THE PROVISIONS OF THESE SPECIFICATIONS, AS ILLUSTRATED ON THE ACCOMPANYING DRAWINGS, OR AS DIRECTED BY THE ARCHITECT, AND SHALL SATISFY ALL APPLICABLE LOCAL CODES, ORDINANCES, OR REGULATIONS OF THE GOVERNING BODIES, AND ALL AUTHORITIES HAVING JURISDICTION OVER THE WORK, OR SERVICES THERETO. IN ALL CASES WHERE ALTERATIONS TO, OR DEVIATIONS FROM THE DRAWINGS AND SPECIFICATIONS ARE REQUIRED BY THE AUTHORITY HAVING JURISDICTION, THE CONTRACTOR SHALL REPORT SAME IN WRITING TO THE OWNER AND SECURE HIS APPROVAL BEFORE PROCEEDING. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PROVIDE COMPLETE UTILITY SERVICE CONNECTIONS, AS DIRECTED, AND SUBMIT, AS REQUIRED, ALL NECESSARY DRAWINGS; HE SHALL SECURE ALL PERMITS AND INSPECTIONS NECESSARY IN CONNECTION WITH HIS WORK AND PAY ALL LEGAL FEES ON ACCOUNT THEREOF. IN THE ABSENCE OF OTHER APPLICABLE LOCAL CODES ACCEPTABLE TO THE ARCHITECT, THE CALIFORNIA ELECTRICAL CODE AND CALIFORNIA PLUMBING CODE SHALL APPLY TO THIS WORK.

1.1.6 RECORDS FOR THE OWNER

A. THE CONTRACTOR SHALL OBTAIN AT HIS OWN EXPENSE A COMPLETE, FULL-SIZE SET OF PRINTS ON WHICH HE SHALL KEEP AN ACCURATE RECORD OF THE INSTALLATION OF ALL MATERIALS AND SYSTEMS COVERED BY HIS CONTRACTUAL AGREEMENT. THE RECORD SHALL INDICATE THE LOCATION OF ALL EQUIPMENT AND THE ROUTING OF ALL SYSTEMS. ALL CONDUIT BURIED IN CONCRETE SLABS, WALLS, AND BELOW GRADE SHALL BE LOCATED BY DIMENSION UNLESS A SURFACE MOUNTED DEVICE IN EACH SPACE INDICATES THE EXACT LOCATION. HE SHALL THEN OBTAIN AT HIS EXPENSE ONE COMPLETE REPRODUCIBLE SET OF THE ORIGINAL DRAWINGS ON WHICH HE SHALL NEATLY TRANSFER HIS NOTATIONS AND DELIVER THESE DRAWINGS TO THE ENGINEER AT JOB COMPLETION BEFORE THE FINAL PAYMENT FOR DELIVERY TO THE OWNER.

B. IN ADDITION TO THE ABOVE, THE CONTRACTOR SHALL ACCUMULATE DURING THE JOB PROGRESS THE FOLLOWING DATA IN DUPLICATE PREPARED IN A NEAT BROCHURE OR PACKET FOLDER BONDING FOR SUBSEQUENT DELIVERY TO THE OWNER. THE CONTRACTOR SHALL INCLUDE COST OF BINDING INTO A BOOK:

1. ALL WARRANTIES, GUARANTEE, AND MANUFACTURER'S DIRECTIONS ON EQUIPMENT AND MATERIAL COVERED BY THE CONTRACT.
2. COPIES OF APPROVED SHOP DRAWINGS AND SUBMITTALS.
3. COPIES OF SEQUENCE OF OPERATIONS FOR ALL EQUIPMENT COVERED BY CONTRACT.

1.1.7 MATERIALS AND WORKMANSHIP

A. ALL MATERIALS, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW, FREE FROM ANY DEFECTS AND OF THE BEST QUALITY OF THEIR RESPECTIVE KINDS. ALL LIKE MATERIALS USED SHALL BE OF THE SAME MANUFACTURER, MODEL AND QUALITY, UNLESS OTHERWISE SPECIFIED.

B. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, USED, CLEANED, ADJUSTED AND CONDITIONED AS RECOMMENDED BY THE MANUFACTURERS, OR ALL INDICATED IN THEIR PUBLISHED LITERATURE, UNLESS SPECIFICALLY HEREIN SPECIFIED TO THE CONTRARY. ALL WORK UNDER THIS CONTRACT SHALL BE PERFORMED BY COMPETENT WORKMEN AND EXECUTED IN A NEAT AND WORKMANLIKE MANNER PROVIDING A THOROUGH AND COMPLETE INSTALLATION. WORK SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION, INCLUDING THE SHIELDING OF SOFT OR FRAGILE MATERIALS AND THE TEMPORARY PLUGGING OF OPEN LINES DURING CONSTRUCTION. AT COMPLETION, THE INSTALLATION SHALL BE THOROUGHLY CLEANED, AND ALL TOOLS, EQUIPMENT, OBSTRUCTION OR DEBRIS PRESENT AS A RESULT OF THIS CONTRACT SHALL BE REMOVED FROM THE PREMISES.

1.1.8 STORAGE AND PROTECTION

A. PROVIDE ADEQUATE FACILITIES FOR ITEMS FURNISHED UNDER THESE SPECIFICATIONS WHICH ARE SUBJECT TO DAMAGE IF EXPOSED TO ELEMENTS. TAKE SUCH PRECAUTIONS AS NECESSARY TO PROPERLY PROTECT APPARATUS FROM DAMAGE. FAILURE TO COMPLY WITH THIS PROVISION WILL BE SUFFICIENT CAUSE FOR REJECTION OF THE PARTICULAR APPARATUS INVOLVED.

1.1.9 COOPERATION

A. ALL WORK UNDER THESE SPECIFICATIONS SHALL BE ACCOMPLISHED IN CONJUNCTION WITH OTHER TRADES ON THIS PROJECT IN A MANNER WHICH WILL ALLOW EACH TRADE ADEQUATE TIME AT THE PROPER STAGE OF CONSTRUCTION TO FULFILL HIS WORK.

B. MAINTAINING CONTACT AND BEING FAMILIAR WITH THE PROGRESS OF THE GENERAL CONSTRUCTION AND THE TIMELY INSTALLATION OF SLEEVES AND INSERTS, ETC., BEFORE CONCRETE IS PLACED SHALL BE THE RESPONSIBILITY OF THIS TRADE, AS WILL THE INSTALLATION OF THE REQUIRED SYSTEMS IN THEIR SEVERAL STAGES, AT THE PROPER TIME TO EXPEDITE THIS CONTRACT AND AVOID UNNECESSARY DELAYS IN THE PROGRESS OF OTHER CONTRACTS, AND MEET ALL REQUIREMENTS OF PROGRESS SCHEDULES SET UP BY THE ARCHITECT.

C. SHOULD ANY QUESTION ARISE BETWEEN TRADES AS TO THE PLACING OF LINES, DUCTS, CONDUITS, FIXTURES OR EQUIPMENT, OR SHOULD IT APPEAR DESIRABLE TO REMOVE ANY GENERAL CONSTRUCTION WHICH WOULD AFFECT THE APPEARANCE OR STRENGTH OF THE STRUCTURE, REFERENCE SHALL BE MADE TO THE ARCHITECT FOR INSTRUCTION.

1.1.10 SCHEDULE OF MATERIAL AND EQUIPMENT

A. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A COMPLETE SCHEDULE OF MATERIAL AND EQUIPMENT WHICH IS TO BE INSTALLED UNDER THE CONTRACT. THE SCHEDULE SHALL BE SUBMITTED WITHIN 30 DAYS AFTER THE AWARD OF THIS CONTRACT AND PRIOR TO THE INSTALLATION OR FABRICATION OF ANY OF THE MATERIAL INVOLVED. THE SCHEDULE SHALL INCLUDE FOR MATERIALS THE MANUFACTURER'S NAME, CATALOG NUMBER, TYPE AND TRADE NAME; IN ADDITION, FOR EQUIPMENT, ATTACH MANUFACTURER'S ENGINEERING DATA AND SPECIFICATION SHEET.

1.1.11 SHOP DRAWINGS AND SUBMITTALS:

A. PROVIDE SUBMITTALS AND SHOP DRAWINGS (3 COPIES MINIMUM) FOR THE FOLLOWING EQUIPMENT AND LAYOUT:

1. DUCTWORK FABRICATION DETAILS AND LAYOUT AT 1/8" = 1'-0" SCALE.
2. MECHANICAL EQUIPMENT CUT SHEETS INCLUDING ALL PERFORMANCE CHARACTERISTICS, ACCESSORIES, DRAWINGS, WIRING DIAGRAMS, ETC. ACCESSORIES SHALL BE CLEARLY LABELED TO SHOW WHAT IS AND IS NOT PROVIDED.
3. PIPING DETAILS SHOWING MATERIALS USED AND JOINING/SEALING METHODS.
4. PIPING LAYOUT AT 1/8" = 1'-0" SCALE.

B. EQUIPMENT SHALL NOT BE ORDERED UNTIL APPROVED BY THE ARCHITECT AND ENGINEER OF RECORD. THE CONTRACTOR SHALL ALLOW TWO (2) WEEKS FOR DESIGN TEAM REVIEW OF SUBMITTALS.

1.1.12 DRAWINGS AND SPECIFICATIONS

A. THE DRAWINGS SHOW, DIAGRAMMATICALLY, THE LOCATIONS OF THE VARIOUS LINES, DUCTS, CONDUITS, FIXTURES AND EQUIPMENT AND THE METHOD OF CONNECTING AND CONTROLLING THEM. IT IS NOT INTENDED TO SHOW EVERY CONNECTION IN DETAIL AND ALL FITTINGS REQUIRED FOR A COMPLETE SYSTEM. THE SYSTEMS SHALL INCLUDE, BUT ARE NOT LIMITED TO, ALL ITEMS SHOWN ON THE DRAWINGS. EXACT LOCATIONS OF THESE ITEMS SHALL BE DETERMINED BY REFERENCE TO THE GENERAL PLANS AND MEASUREMENTS AT THE BUILDING AND IN COOPERATION WITH OTHER SUB-CONTRACTORS AND, IN ALL CASES, SHALL BE SUBJECT TO THE APPROVAL OF THE CONTRACTOR. THE CONTRACTOR RESERVES THE RIGHT TO MAKE ANY REASONABLE CHANGE IN THE LOCATION OF ANY PART OF THIS WORK WITHOUT ADDITIONAL COST TO THE OWNER.

B. SHOULD ANY CHANGES BE DEEMED NECESSARY BY THE CONTRACTOR IN ITEMS SHOWN ON THE CONTRACT DRAWINGS, SHOP DRAWINGS AND DESCRIPTIONS, THE REASON FOR THE PROPOSED CHANGES SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL.

C. EXCEPTIONS AND INCONSISTENCIES IN PLANS AND SPECIFICATIONS SHALL BE BROUGHT TO THE CONTRACTOR'S ATTENTION BEFORE BIDS ARE SUBMITTED; OTHERWISE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ANY AND ALL CHANGES AND ADDITIONS THAT MAY BE NECESSARY TO ACCOMMODATE HIS PARTICULAR APPARATUS.

D. THE CONTRACTOR SHALL LAY OUT HIS WORK MAINTAINING ALL LINES, GRADES AND DIMENSIONS ACCORDING TO THESE DRAWINGS WITH DUE CONSIDERATION FOR OTHER TRADES AND VERIFY ALL DIMENSIONS AT THE SITE PRIOR TO ANY FABRICATION OR INSTALLATION. SHOULD THE LAYOUT BE IMPRACTICAL, THE CONTRACTOR SHALL BE NOTIFIED BEFORE ANY INSTALLATION OR FABRICATION, AND THE EXISTING CONDITIONS SHALL BE INVESTIGATED AND PROPER CHANGES EFFECTED WITHOUT ANY ADDITIONAL COST.

E. TITLES OF SECTIONS AND PARAGRAPHS IN THESE SPECIFICATIONS ARE INTRODUCED MERELY FOR CONVENIENCE AND ARE NOT TO BE CONSTRUED AS A CORRECT OR COMPLETE SEGREGATION TO TABULATION OF THE VARIOUS UNITS OF MATERIAL AND/OR WORK. THE ARCHITECT DOES NOT ASSUME ANY RESPONSIBILITY, EITHER DIRECTLY OR IMPLIED, FOR OMISSIONS OR DUPLICATIONS BY THE CONTRACTOR OR ANY SUB-CONTRACTOR DUE TO REAL OR ALLEGED ERROR IN THE ARRANGEMENT OF MATTER IN THE CONTRACT DOCUMENTS.

1.1.13 ARCHITECT'S APPROVAL

A. IN ANY STATEMENT UNDER THIS CONTRACT WHERE "APPROVAL" IS REQUIRED OR REQUESTED, IT IS UNDERSTOOD THAT SUCH APPROVAL MUST BE OBTAINED FROM THE ARCHITECT IN WRITING BEFORE PROCEEDING WITH THE PROPOSAL, AND AN ADEQUATE NUMBER OF COPIES OF ANY SUCH PROPOSAL SHALL BE SUBMITTED TO THE ARCHITECT.

B. THE APPROVAL BY THE ARCHITECT OF ANY MATERIALS, CHANGES, DRAWINGS, ETC., SUBMITTED BY THE CONTRACTOR WILL BE CONSIDERED AS GENERAL ONLY AND TO AID THE CONTRACTOR IN EXPEDITING HIS WORK. SUCH APPROVAL AS MAY BE GIVEN DOES NOT IN ANY WAY RELIEVE THE CONTRACTOR FROM THE NECESSITY OF FURNISHING THE MATERIALS AND PERFORMING ALL WORK AS REQUIRED BY THE DRAWINGS AND SPECIFICATIONS.

1.1.14 LOCAL RESTRICTIONS

A. THE CONTRACTOR SHALL BECOME FAMILIAR WITH ALL RULES AND REGULATIONS OF THE CITY, COUNTY AND STATE, OR ANY OTHER AUTHORITY HAVING JURISDICTION OVER THIS PROJECT. IF IT IS THE CONTRACTOR'S OPINION THAT ANY WORK OR MATERIALS SHOWN ON THE DRAWINGS OR SPECIFIED HEREIN DO NOT COMPLY WITH THESE RULES AND REGULATIONS AS TO SIZE, TYPE, CAPACITY AND QUALITY, HE MUST MAKE IT KNOWN PRIOR TO THE SUBMISSION OF HIS BID, WHICH SHALL BE DEEMED EVIDENCE OF COMPLIANCE; OTHERWISE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPROVAL OF ALL WORK OR MATERIAL AND, IN THE EVENT THAT SUCH AUTHORITY SHOULD INDICATE DISAPPROVAL, HE SHALL CORRECT SAME WITH MATERIALS APPROVED BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.

1.1.15 ELECTRICAL WIRING

A. EXCEPT FOR SUCH ITEMS AS ARE NORMALLY WIRED UP AT THEIR POINT OF MANUFACTURE AND SO DELIVERED, AND UNLESS SPECIFICALLY NOTED TO THE CONTRARY HEREIN, THE ELECTRICAL SUBCONTRACTOR WILL DO ALL ELECTRIC WIRING OF EVERY CHARACTER FOR POWER SUPPLY. THE MECHANICAL SUBCONTRACTOR SHALL ERECT ALL MOTORS IN PLACE READY FOR CONNECTIONS AND SHALL FURNISH WITH EACH SUCH MOTOR A STARTER OF THE TYPE SPECIFIED AND DELIVER IT IN GOOD CONDITION TO THE ELECTRICAL SUBCONTRACTOR AT THE JOB. THE ELECTRICAL SUBCONTRACTOR WILL MOUNT ALL SUCH STARTERS, AS DIRECTED, FURNISHING SUPPORTING STRUCTURES WHERE NECESSARY. THE OWNER AND OTHER SUBCONTRACTORS SHALL FURNISH WITH EACH ITEM REQUIRING ELECTRICAL CONNECTIONS, THE NECESSARY INSTRUCTIONS AND WIRING DIAGRAMS TO THE ELECTRICAL SUBCONTRACTOR. THE ELECTRICAL SUBCONTRACTOR SHALL REFER TO THE SPECIFICATIONS TO DETERMINE THE SCOPE OF THE WORK.

1.1.16 LARGE APPARATUS AND EQUIPMENT

A. ALL LARGE APPARATUS AND EQUIPMENT WHICH IS SPECIFIED OR SHOWN TO BE FURNISHED OR INSTALLED UNDER THIS CONTRACT, AND WHICH MAY BE TOO LARGE TO BE MOVED INTO ITS FINAL POSITION THROUGH THE NORMAL BUILDING OPENINGS PLANNED, SHALL BE PLACED BY THIS SUBCONTRACTOR IN ITS APPROXIMATE FINAL POSITION. THIS SHALL BE ACCOMPLISHED THROUGH COOPERATION AND COORDINATION WITH OTHER SUBCONTRACTORS BEFORE ANY OBSTRUCTING STRUCTURE IS INSTALLED. ALL APPARATUS SHALL BE CRIBBED UP FROM THE FLOOR BY THIS SUBCONTRACTOR AND CARED FOR AS SPECIFIED UNDER "STORAGE AND PROTECTION" OR AS DIRECTED BY THE ARCHITECT.

1.1.17 RESPONSIBILITY

A. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE SATISFACTORY AND COMPLETE EXECUTION OF ALL WORK INCLUDED. HE SHALL PRODUCE COMPLETE FINISHED OPERATING SYSTEMS AND PROVIDE ALL INCIDENTAL ITEMS REQUIRED AS PART OF HIS WORK, REGARDLESS OF WHETHER SUCH ITEM IS PARTICULARLY SPECIFIED OR INDICATED.

1.1.18 CLEAN UP

A. CLEAN UP TRASH AND DEBRIS CAUSED BY THE WORK OF THIS SECTION, KEEPING PREMISES, STREETS, SIDEWALKS AND ADJACENT AREAS CLEAN AND NEAT AT ALL TIMES. B. DISPOSE OF SUCH MATERIALS OUTSIDE THE LIMITS OF THE PROJECT SITE TO APPROVED LOCATIONS.

1.1.19 PAINTING

A. UPON COMPLETION, CLEAN ALL PIPES AND EQUIPMENT BEFORE PAINTING. PAINTING OF MECHANICAL EQUIPMENT AND PIPING IS SPECIFIED IN ARCHITECTURAL PAINTING SECTION.

1.1.20 ACCESS DOORS

A. ACCESS DOORS ARE TO BE PROVIDED BY THE CONTRACTOR. CONTRACTOR WILL CLOSELY COORDINATE LOCATIONS OF VALVES, ETC. IN ORDER TO HAVE ACCESS TO ALL CONCEALED PORTIONS OF THE SYSTEM REQUIRING PERIODIC SERVICE. PREPARE SHOP DRAWINGS FOR COORDINATION OF ALL ACCESS DOORS, LOCATING SAME FOR INSTALLATION BY GENERAL CONTRACTOR. ACCESS DOOR LOCATIONS SHALL BE APPROVED BY ARCHITECT OR OWNER BEFORE INSTALLATION.

1.1.21 EXCAVATION AND BACKFILLING

a. PROVIDE NECESSARY EXCAVATING AND BACKFILLING FOR THE INSTALLATION OF WORK SPECIFIED IN THIS DIVISION. TRENCHES FOR UNDERGROUND PIPING AND CONDUIT SHALL BE EXCAVATED TO REQUIRED DEPTHS WITH BELL HOLES PROVIDED AS NECESSARY TO INSURE UNIFORM BEARING. ARE SHOULD BE TAKEN NOT TO EXCAVATE BELOW DEPTH, AND ANY EXCAVATION BELOW DEPTH SHALL BE REFILLED WITH SAND OR GRAVEL FIRMLY COMPACTED. WHERE ROCK OR HARD OBJECTS ARE ENCOUNTERED, THEY SHALL BE EXCAVATED TO A GRADE SIX INCHES (6") BELOW THE LOWERMOST PART OF THE PIPE AND REFILLED TO THE PIPE GRADE AS SPECIFIED. AFTER THE PIPE HAS BEEN INSTALLED, TESTED AND APPROVED, THE TRENCHES SHALL BE BACKFILLED IN GRADE WITH APPROVED MATERIAL, WELL TAMPED OR PUDDLED COMPACTLY IN PLACE. DO NOT PROCEED WITH BACKFILL OPERATIONS UNTIL THE ARCHITECT OR CONTRACTOR HAS INSPECTED PIPING. ALL PIPING OUTSIDE THE BUILDING SHALL BE INSTALLED BELOW THE FROST LINE. WHERE STREETS, SIDEWALKS, ETC. ARE DISTURBED, CUT OR DAMAGED BY THIS WORK, THE EXPENSE OF REPAIRING SAME IN A MANNER APPROVED BY THE ARCHITECT SHALL BE A PART OF THIS CONTRACT.

1.1.22 SLEEVES AND ESCUTCHEONS

a. ALL PIPING OTHER THAN SANITARY SEWER LINES AND PVC OR POLYBUTAL PASSING THROUGH CONCRETE FLOOR SLABS SHALL BE COMPLETELY ISOLATED IN 1/2" THICK FLEXIBLE FOAM PLASTIC INSULATION FROM 6" BELOW THE SLAB TO 2" ABOVE THE SLAB. IF PIPES PASS THROUGH GRADE BEAMS, THE INSULATION THICKNESS SHALL BE 3/8". SANITARY SEWER LINES PASSING GRADE BEAMS SHALL BE WRAPPED WITH TWO (2) PLY OF 15#Q FELT TO ISOLATE THE PIPE FROM THE CONCRETE.

b. ESCUTCHEONS EXCEPT AS SPECIFICALLY NOTED OR SPECIFIED SHALL BE INSTALLED ON ALL PIPES PASSING EXPOSED THROUGH THE FLOORS, WALLS OR CEILINGS. ESCUTCHEONS SHALL BE CHROME PLATED SECTIONAL FLOOR AND CEILING PLATES AND SHALL FIT SNUGLY AND NEATLY AROUND PIPE OR PIPE INSULATION OR INSULATED LINES. SOLID CHROME PLATES WITH SETSCREWS SHALL BE USED IF SECTIONAL PLATES DO NOT FIT PROPERLY OR STAY IN PLACE.

1.1.23 FLASHINGS

a. FLASH AROUND ALL PIPES PASSING THROUGH THE ROOF IN CONNECTION WITH THIS CONTRACT WITH STANDARD MANUFACTURED FLASHINGS. FLASHINGS SHALL BE SHEET METAL WITH RUBBER GASKETS. FLASHINGS SHALL EXTEND INTO ROOFING AND UP PIPE DISTANCES IN ACCORDANCE WITH THE LOCAL CODE.

1.1.24 EXPANSION OF PIPING

a. THIS SUBCONTRACTOR SHALL FURNISH AND INSTALL ALL DEVICES REQUIRED TO PERMIT THE EXPANSION AND CONTRACTION OF ALL PIPE WORK INSTALLED PARTICULARLY IN WATER SUPPLY AND CIRCULATING SYSTEMS. IN THE MAIN WATER AND CIRCULATING LINES, HE SHALL EMPLOY EXPANSION JOINTS AS REQUIRED OR WHERE DIRECTED.

b. SHOULD THE INSTALLATION OF MECHANICAL EXPANSION JOINTS BECOME NECESSARY IN THE OPINION OF THE ARCHITECT, JOINTS 1-1/2" AND SMALLER SHALL BE FULTON SYLPHON NO. 111 PACKLESS EXPANSION JOINTS. JOINTS ON 2" AND LARGER LINES SHALL BE ADSCO, FLEXONES OR TUBE TURN TYPE BELLOWS TYPE EXPANSION JOINTS WITH THE PROPER NUMBER OF BELLOWS SECTIONS OF STAINLESS STEEL.

c. ANCHOR ALL LINES HAVING EXPANSION JOINTS SO THAT EXPANSION AND CONTRACTION EFFECT IS EQUALLY DISTRIBUTED. VERIFY EXACT LOCATIONS OF ANCHORS WITH THE ARCHITECT PRIOR TO MAKING INSTALLATION. THE LINES HAVING EXPANSION JOINTS SHALL BE ACCURATELY GUIDED ON BOTH SIDES OF EACH JOINT. THESE GUIDES SHALL CONSIST OF SADDLES AND "E" CLAMPS PROPERLY ARRANGED AND SUPPORTED. SUBMIT COMPLETE DETAILS FOR APPROVAL.

1.1.25 FLAMESPREAD PROPERTIES OF MATERIALS

A. ALL MATERIALS AND ADHESIVES USED FOR ACOUSTICAL LININGS AND INSULATION, JACKETS, TAPES, ETC. SHALL CONFORM TO INTERIM FEDERAL STANDARD FLAME-SPREAD PROPERTIES OF MATERIALS, INC. FED. STD. NO. 00336A (COMM. NBS). THE CLASSIFICATION SHALL NOT EXCEED NO. 2, WITH THE RANGE OF INDICES BETWEEN 0 AND 75 FOR THESE CLASSIFICATIONS AS LISTED IN THE FEDERAL SPECIFICATIONS FOR THE BASIC MATERIALS, THE FINISHES, ADHESIVES, ETC. SPECIFIED FOR EACH SYSTEM, AND SHALL BE SUCH THAT WHEN COMPLETELY ASSEMBLED THE TOTAL WILL NOT EXCEED AN INDEX OF 50 IN CLASSIFICATION 111 AS LISTED IN THE FEDERAL SPECIFICATIONS. MODIFICATIONS SHALL BE MADE TO INSULATING MATERIALS, ETC. AS REQUIRED TO COMPLY WITH THE FEDERAL SPECIFICATIONS.

1.1.26 GUARANTEE

A. THE CONTRACTOR SHALL FURNISH A WRITTEN GUARANTEE IN TRIPLICATE, WARRANTING ALL MATERIALS, EQUIPMENT AND LABOR FURNISHED BY HIM TO BE FREE OF ALL DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY THE OWNER. HE SHALL FURTHER GUARANTEE THAT ALL EQUIPMENT SHALL MEET THE CHARACTERISTICS, CAPACITIES AND WORKMANSHIP SPECIFIED AND WITHIN THE WARRANTY PERIOD, THE DEFECTS AND/OR EQUIPMENT WILL BE REPAIRED OR MADE GOOD WITHOUT COST TO THE OWNER. THE CONTRACTOR FURTHER AGREES TO CORRECT WARRANTY DEFICIENCIES WITHIN 48 HOURS OF NOTIFICATION BY MANAGEMENT.

B. REFERENCE DOCUMENTS: CONDITIONS OF THE CONTRACT AND DIVISION 01 "GENERAL REQUIREMENTS" ARE MADE A PART OF THIS SECTION WHETHER ATTACHED HERETO OR NOT.

SECTION 4 - HEATING, VENTILATION AND AIR-CONDITIONING SYSTEMS

4.1.1 SCOPE

A. PROVIDE COMPLETE AIR SUPPLY, RETURN, OUTSIDE AIR AND EXHAUST SYSTEMS INCLUDING FANS, TERMINAL DEVICES AND OTHER COMPONENTS SPECIFIED HEREIN.

4.1.2 SUBMITTALS

A. SHOP DRAWINGS: SUBMIT COMPLETE SHOP DRAWINGS, IN ACCORDANCE WITH SECTION 1, INDICATING MATERIALS, QUANTITIES, SIZES AND INSTALLATION DETAILS.

4.1.3 COORDINATION

A. INSTALL MATERIALS AND EQUIPMENT AT PROPER TIME TO KEEP PACE WITH THE GENERAL CONSTRUCTION AND THE WORK OF THE OTHER TRADES INVOLVED.

4.1.4 WARRANTY

A. THE MECHANICAL SUB-CONTRACTOR SHALL WARRANTY ALL MATERIAL, WORKMANSHIP AND EQUIPMENT FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE BY THE OWNER. THE WARRANTY SPECIFICALLY IMPLIES THAT ANY DEFECTIVE PORTION BECOMING APPARENT DURING THIS PERIOD WILL BE REPAIRED, REPLACED OR OTHERWISE MADE GOOD AT NO ADDITIONAL COST TO THE OWNER. IT SHALL FURTHER INCLUDE REPLACEMENT OR REFRIGERANT LOSS NOT DUE TO OWNER NEGLIGENCE. COMPRESSORS SHALL CONTAIN AN ADDITIONAL FOUR-YEAR WARRANTY.

4.2.1 DUCTWORK

A. RIGID DUCTWORK: ALL AIR CONDITIONING AND EXHAUST DUCTWORK, PLENUM, CASINGS AND SHEET METAL, CONNECTIONS SHALL BE FABRICATED OF NEW JOINT-FORMING QUALITY GALVANIZED PRIME GRADE SHEETS.

B. RECTANGULAR LOW PRESSURE DUCTS: CONSTRUCTED OF THE FOLLOWING MINIMUM GAUGES:

LARGEST DIMENSION OF DUCT	GAUGE OF METAL
UP TO 12"	NO. 26 U.S. GAUGE
13" TO 30"	NO. 24 U.S. GAUGE
31" TO 54"	NO. 22 U.S. GAUGE

C. C. ROUND LOW PRESSURE DUCTS: "SNAP-LOK" AS MANUFACTURED BY UNITED SHEET METAL COMPANY.

D. RECTANGULAR DUCTWORK FITTINGS: FABRICATED PER SMACNA STANDARDS FOR LOW-PRESSURE DUCTWORK(2-INCH PRESSURE CLASS).

E. ROUND DUCTWORK FITTINGS: AS MANUFACTURED BY UNITED SHEET METAL CO., AND/OR AS DETAILED ON THE DRAWINGS.

F. FLEXIBLE CONNECTIONS: CONNECTIONS TO AIR CONDITIONING UNITS AND FANS SHALL BE FLEXIBLE CONNECTIONS WHICH SHALL BE NEOPRENE COATED GLASS FABRIC WEIGHING NOT LESS THAN 30 OUNCES PER SQUARE YARD AND AT LEAST 1/16" THICK.

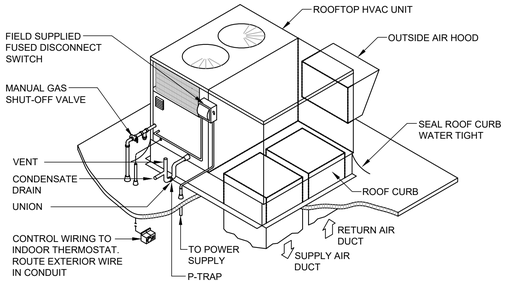
G. AT THE CONTRACTOR'S OPTION, 2" INSULATED FLEXIBLE DUCT MAY BE USED FOR FINAL RUN OUT TO AIR DEVICES WHEN INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. FLEXIBLE RUN OUTS SHALL NOT EXCEED 5-FEET EXTENDED LENGTH.

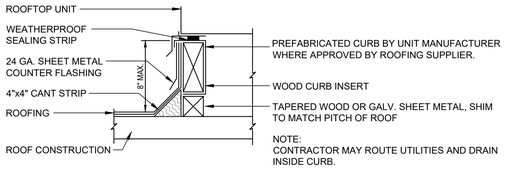
H. SURFACE-BURNING CHARACTERISTICS FOR SEALANTS AND GASKETS SHALL BE A MAXIMUM FLAME-SPREAD INDEX OF 25 AND A MAXIMUM SMOKE-DEVELOPED INDEX OF 50 WHEN TESTED ACCORDING TO UL 723; CERTIFIED BY AN NRTL

I. ACCESS DOORS SHALL BE PROVIDED FOR ACCESS TO ALL DAMPERS, FUSIBLE LINKS, AND WHERE REQUIRED FOR MAINTENANCE AND CLEANING OPERATIONS. ACCESS DOORS SERVING INSULATED DUCTS SHALL BE DOUBLE-SKIN DOORS WITH ONE INCH OF INSULATION ON THE DOOR. WHERE DUCT SIZE PERMITS

1 RTU DETAIL

SCALE N.T.S.



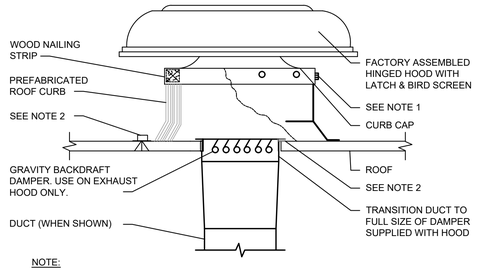


NOTES:

1. TOP OF CURB TO BE LEVEL ALL FOUR SIDES. ALL CURBS FURNISHED BY GENERAL CONTRACTOR. CURB SHALL BEAR DIRECTLY ON STRUCTURAL STEEL, NOT ON METAL DECK. MECHANICAL UNIT MUST SIT LEVEL.
2. CONTRACTOR MAY ROUTE UTILITIES AND DRAIN INSIDE CURB.
3. ALL ROOF CURBS/ PENETRATIONS ARE TO BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S DETAILS. ALL REQUIRED ROOFING SHALL BE BY THE LANDLORD'S DESIGNATED ROOFING CONTRACTOR AS REQUIRED TO MAINTAIN THE WARRANTY AND INTEGRITY OF THE ROOF.

2 ROOF EXHAUST HOOD DETAIL

SCALE N.T.S.

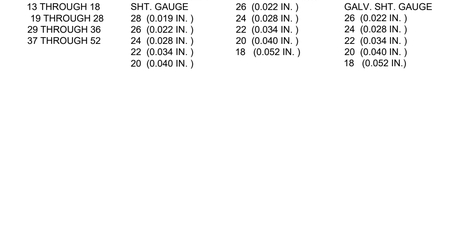


NOTE:

1. SECURE HOOD TO WOOD NAILING STRIP WITH 3/8" [10mm] CADMIUM PLATED LAG BOLTS NOT OVER 12" ON CENTER.
2. SECURE ROOF CURB, DUCTWORK AND DAMPER TO ROOF WITH EXPANSION BOLTS (CONCRETE ROOF) OR RUST RESISTANT BOLTS (MENTAL DECK & BAR JOIST ROOF).
3. SIZE OF DUCT THROUGH ROOF SHALL NOT BE LARGER THAN CURB SUPPLIED WITH HOOD.

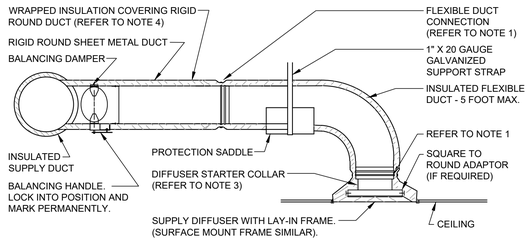
3 SUSPENDED CEILING EXHAUST FAN DETAIL

SCALE N.T.S.



4 DIFFUSER CONNECTION DETAIL

SCALE N.T.S.



NOTES:
PROVIDE AT FLEXIBLE DUCT CONNECTION METAL OR "PANDUIT" DRAWBAND ON THE INTERIOR FLEXIBLE DUCT HELIX. SECURE THE INSULATION OVER THE DRAWBAND WITH AN ADDITIONAL DRAWBAND.

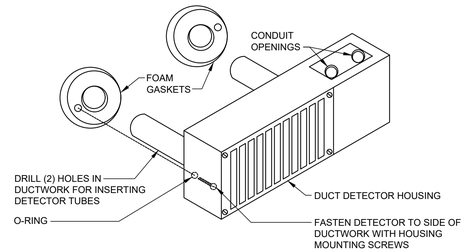
PROVIDE BEADING ON ROUND METAL DUCT 12" OR LARGER IN DIAMETER.

PROVIDE MINIMUM 4" COLLARS FOR ATTACHMENT OF THE FLEXIBLE DUCT TO ROUND DUCT, DAMPERS AND DIFFUSERS.

BAND RIGID ROUND DUCT INSULATION TO DUCT AND PROVIDE TAPE FOR INSULATION OVERLAP.

5 DUCT DETECTOR DETAIL

SCALE N.T.S.

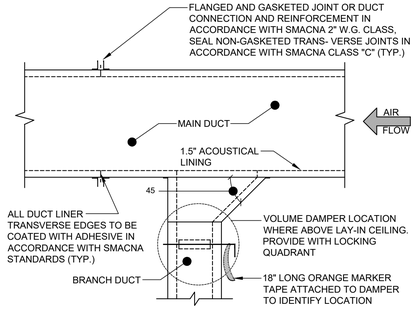


NOTES:

1. TOTALINE MODEL #P270-20001 UL 268A LISTED OR EQUIVALENT.
2. RUGGED NORYL HOUSING WITH STRONG CLEAR POLYCARBONATE INSPECTION COVER.
3. ACCOMMODATES ION (IONIZATION) OR PHOTO HEADS (PHOTOELECTRIC).
4. SUITABLE FOR 4 WIRE 14-18 AWG WIRE, 24VAC/DC OR 120/220 VAC OPERATION.
5. REMOTE TEST STATION OPTION.
6. POWERED OUTPUTS FOR REMOTE LED AND AUDIBLE ALARM.
7. AIR VELOCITY RATING FROM 300 TO 4000 FPM.
8. EQUIPPED WITH A DPDT AUXILIARY RELAY.

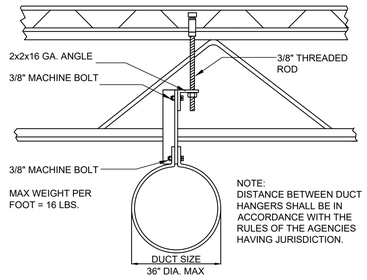
6 RECTANGULAR TAKE-OFF DETAIL

SCALE N.T.S.



7 DUCT SUPPORT DETAIL

SCALE N.T.S.

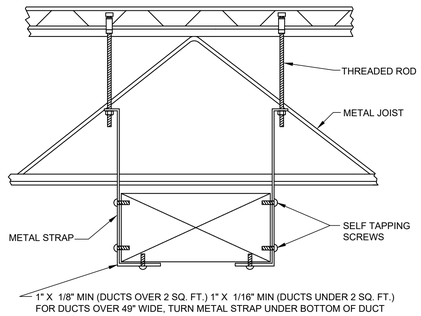


ROUND DUCTS LONGITUDINAL SEAM

DIAMETER INCHES	SPIRAL SEAM DUCT STEEL MIN. GALV. SHT. GAUGE	DUCT STEEL MIN. GALV. SHT. GAUGE	FITTINGS STEEL MIN. GALV. SHT. GAUGE
THROUGH 12		26 (0.022 IN.)	26 (0.022 IN.)
13 THROUGH 18	28 (0.019 IN.)	24 (0.028 IN.)	24 (0.028 IN.)
19 THROUGH 28	26 (0.022 IN.)	22 (0.034 IN.)	22 (0.034 IN.)
29 THROUGH 36	24 (0.028 IN.)	20 (0.040 IN.)	20 (0.040 IN.)
37 THROUGH 52	22 (0.034 IN.)	18 (0.052 IN.)	18 (0.052 IN.)
	20 (0.040 IN.)		

8 DUCT SUPPORT DETAIL

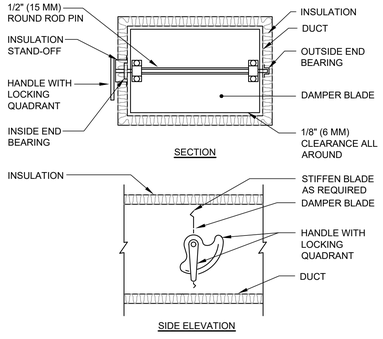
SCALE N.T.S.



1" X 1/8" MIN (DUCTS OVER 2 SQ. FT.) 1" X 1/16" MIN (DUCTS UNDER 2 SQ. FT.) FOR DUCTS OVER 49" WIDE, TURN METAL STRAP UNDER BOTTOM OF DUCT AND FASTEN

9 MANUAL DAMPER DETAIL

SCALE N.T.S.



NOTES:

1. DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.

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CONSULTANT:
GEMINI ENGINEERING GROUP
Angela Hawkins, P.E. CA-M42738
101 Nightlinger Lane
Millsap, TX 76066
(817) 672-7562

DRAWING SEAL:

LICENSED PROFESSIONAL ENGINEER ANGELA HAWKINS M 42738 MECHANICAL STATE OF CALIFORNIA
06/09/2026

CONTRACTOR'S NOTES:
WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: OH REVIEWED BY: AH

TITLE:
MECHANICAL DETAILS

SHEET NUMBER:
M002

KEYED NOTES (#)

1. SUPPLY AND RETURN DUCTS UP TO ROOFTOP UNIT. TRANSITION TO FULL SIZE DUCT OPENING AT UNIT AS REQUIRED. ALL CONDITIONS AND CLEARANCES MUST BE VERIFIED IN FIELD PRIOR TO FABRICATING ANY DUCTWORK.
2. MAKEUP AIR DUCT UP TO MAKEUP AIR UNIT. TRANSITION TO FULL SIZE DUCT OPENING AT UNIT AS REQUIRED. ALL CONDITIONS AND CLEARANCES MUST BE VERIFIED IN FIELD PRIOR TO FABRICATING ANY DUCTWORK.
3. EXHAUST DUCT UP THROUGH ROOF TO KITCHEN EXHAUST FAN. SEE ROOF PLAN FOR ADDITIONAL COORDINATION.
4. PROVIDE 120V SMOKE DETECTOR IN SUPPLY AIR DUCTS FOR AUTOMATIC SHUTDOWN OF FAN. DETECTORS SHALL BE LOCATED UPSTREAM OF ALL BRANCH DUCTS AND FILTERS. PROVIDE INTERLOCK WIRING TO DE-ENERGIZE ALL ROOFTOP UNIT BLOWER MOTORS. SMOKE DETECTORS SHALL BE SUPERVISED BY BUILDING FIRE DETECTION OR ALARM SYSTEMS WHERE THEY EXIST.
5. ROOM TEMPERATURE SENSOR TO BE INTERLOCKED TO KITCHEN HOOD.
6. THERMOSTAT MOUNTED AT 48" AFF. VERIFY EXACT LOCATION WITH TENANT REPRESENTATIVE.
7. COORDINATE WITH ARCHITECT FOR MINIMUM 1" (MAXIMUM 1-1/4" UNDERCUT OF DOOR.
8. PROVIDE NEW EXHAUST FAN AS SCHEDULED. SUSPEND FROM STRUCTURE. PROVIDE EXHAUST DUCT THROUGH ROOF. PROVIDE CURB-MOUNTED WEATHERPROOF CAP AND BIRD SCREEN EQUIVALENT TO COOK PR. MAINTAIN MINIMUM 10'-0" FROM ALL FRESH AIR INTAKES.
9. ROUTE CONCENTRIC FLUE THROUGH ROOF FOR WATER HEATER. INSTALL PER MANUFACTURER'S REQUIREMENTS.
10. EXISTING AIR CURTAIN TO REMAIN AT THIS LOCATION. CLEAN, REPAIR, AND REPLACE AS REQUIRED AND PROTECT DURING CONSTRUCTION. VERIFY EXISTING INTERLOCK WITH DOOR AND PROVIDE NEW CONNECTION IF REQUIRED.
11. ALL SECTIONS OF THE GREASE DUCT SYSTEM SHALL BE CONSTRUCTED AND INSTALLED WITHOUT FORMING DIPS AND TRAPS AND SHALL SLOPE NOT LESS THAN 1/4 INCH PER FOOT TOWARD THE HOOD. ACCESS FOR CLEAN-OUT AND INSPECTION SHALL BE PROVIDED AT EACH CHANGE IN DIRECTION OF THE GREASE DUCT SYSTEM AND AS OTHERWISE REQUIRED.

GENERAL NOTES

a. CONTRACTOR TO FAMILIARIZE HIMSELF WITH THE SITE AND VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND ADJUST FOR ACTUAL FIELD CONDITIONS AT NO EXPENSE TO OWNER. REPORT TO THE ARCHITECT AND OR ENGINEER ANY DISCREPANCIES WITH THE PLANS AND EXISTING CONDITIONS.

b. SCHEDULE OF WORK: THIS CONTRACTOR SHALL BE REQUIRED TO FAMILIARIZE HIMSELF WITH THE PROPOSED WORK SCHEDULE & SHALL COORDINATE HIS WORK SCHEDULE WITH THE OTHER TRADES, SO THAT WORK PROGRESSES CAN BE PLANNED IN A PROPER SYSTEMATIC FASHION TO AVOID ANY DUPLICATION OF EFFORT & RESULTANT DELAY OF PROJECT.

c. PROVIDE OPERABLE HVAC SYSTEMS COMPLETE IN ALL RESPECTS AS CONTEMPLATED BY THE INFORMATION INDICATED ON THE DRAWINGS. IT IS NOT INTENDED THAT THE DRAWINGS & SPECIFICATIONS INDICATE EACH & EVERY ITEM OF INFORMATION NECESSARY FOR COMPLETE SYSTEMS BUT INDICATE SUFFICIENT INFORMATION FOR THE CONTRACTOR TO SECURE ADDITIONAL INFORMATION FROM OTHER SOURCES & PROVIDE ALL MATERIALS, EQUIPMENT & LABOR NECESSARY FOR COMPLETE INSTALLATIONS.

d. ALL LABOR, MATERIALS & EQUIPMENT SHALL BE PROVIDED WITH ONE YEAR GUARANTEE FROM DEFECTS.

e. CUTTING & PATCHING: THIS CONTRACTOR MUST LAY OUT HIS WORK IN ADVANCE OF NEW CONSTRUCTION IN ORDER THAT UNNECESSARY CUTTING & PATCHING WILL BE AVOIDED. OPENINGS SHALL BE REUSED AS SHOWN AND ANY MODIFICATIONS TO ROOF OPENINGS SHALL BE APPROVED BY THE LANDLORD, DONE BY THE LANDLORD'S ROOFING CONTRACTOR AND PAID FOR BY THE CONTRACTOR.

f. ALL ROOF CURBS/PENETRATIONS ARE TO BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S DETAILS. ALL REQUIRED ROOFING SHALL BE BY THE LANDLORD'S DESIGNATED ROOFING CONTRACTOR AS REQUIRED TO MAINTAIN THE WARRANTY AND INTEGRITY OF THE ROOF.

g. PROVIDE REQUIRED STRUCTURAL SUPPORT FOR ANY NEW ROOF MOUNTED OR SUSPENDED HEATING, VENTILATION, OR AIR CONDITIONING EQUIPMENT AS REQUIRED. COORDINATE SIZES AND PLACEMENT OF UNITS WITH THE LANDLORD.

h. ALL DUCTWORK, HANGERS, DAMPER CONSTRUCTION, SEAMS, INSTALLATION, ETC., SHALL CONFORM TO THE STANDARDS AS ADOPTED BY A.S.H.R.A.E. & SMACNA. ALL WORK SHALL CONFORM TO ALL APPLICABLE LAWS, RULES & REGULATIONS & RECOMMENDATIONS OF LOCAL BUILDING DEPARTMENT, NATIONAL BOARD OF FIRE UNDERWRITERS, N.F.P.A., & SHOPPING CENTER GENERAL SPECIFICATIONS. ALL DUCTWORK SHALL BE SHEET METAL CONFORMING TO SMACNA STANDARDS FOR LOW PRESSURE DUCTWORK & A.S.H.R.A.E. STANDARD 90-75.

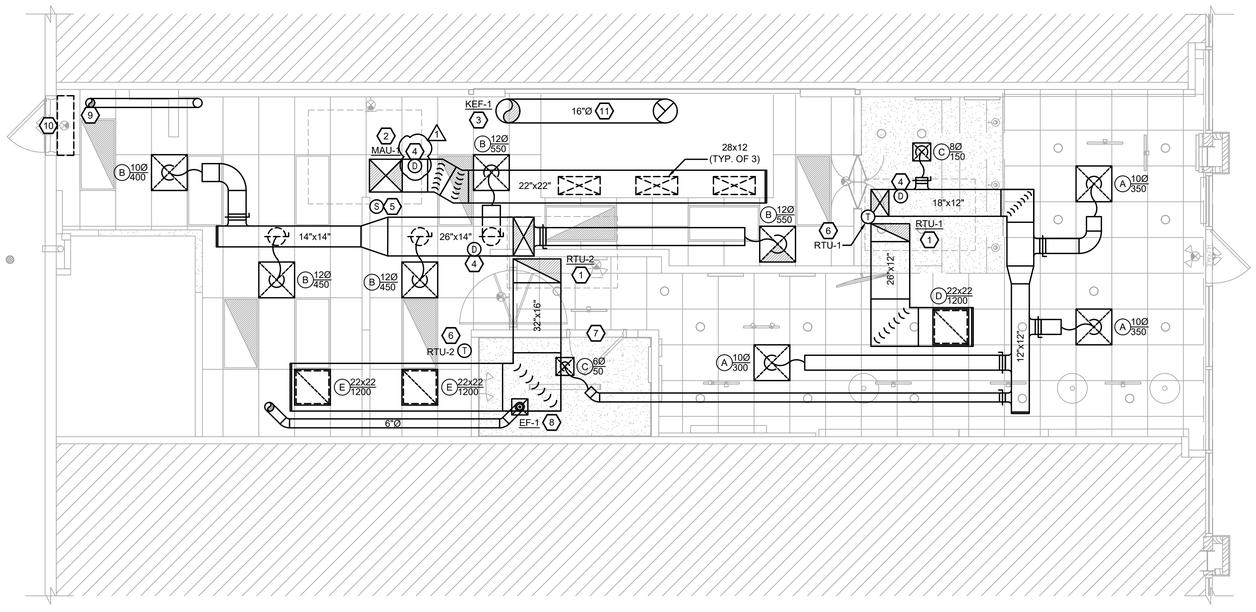
i. ALL DUCTWORK SHALL BE INSTALLED IN CONCEALED SPACE ABOVE CEILINGS. REFER TO SPECIFICATIONS FOR INSULATION REQUIREMENTS.

j. DUCT SYSTEM SHALL BE SEALED TO A LEAKAGE RATE NOT TO EXCEED 6 PERCENT OF THE NOMINAL AIRFLOW RATES, AND SHALL BE CONFIRMED THROUGH FIELD VERIFICATION AND DIAGNOSTIC TESTING.

k. PROVIDE RETURN AIR FILTERS AT HVAC UNITS ON ROOF, NOT AT RETURN AIR GRILLE IN SPACE.

l. IT IS THE OWNER'S RESPONSIBILITY TO CONTRACT WITH A COMMISSIONING AUTHORITY TO COMPLY WITH LOCAL CODES.

m. PROVIDE ARCHITECT WITH THREE (3) COPIES OF AIR BALANCE REPORT. INSTRUCT OWNER IN USE OF EQUIPMENT. AIR BALANCE REPORT TO BE AN INDEPENDENT TESTING AGENCY. AIR BALANCE TEST REPORT TO BE TAKEN IN THE LATE AFTERNOON WITH THE FOLLOWING TEMPERATURE READINGS DOCUMENTED (IN ADDITION TO CFM) 1.) TEMPERATURE OF AIR LEAVING EACH CEILING DIFFUSER, 2.) TEMPERATURE OF AIR LEAVING HVAC UNIT, 3.) TEMPERATURE OF OUTSIDE AIR AT HVAC UNIT, 4.) TEMPERATURE OF AIR WITHIN SALES AREA (AT THERMOSTAT).



1 MECHANICAL CEILING PLAN

SCALE 1/4" = 1'0"

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CONSULTANT:
GEMINI ENGINEERING GROUP
Angela Hawkins, P.E. CA-M42738
101 Nightlinger Lane
Millsap, TX 76066
(817) 672-7562

DRAWING SEAL:

LICENSED PROFESSIONAL ENGINEER · ANGELA HAWKINS · M 42738 · MECHANICAL · STATE OF CALIFORNIA
06/09/2026

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 449 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: OH REVIEWED BY: AH

TITLE:

MECHANICAL CEILING PLAN

SHEET NUMBER:

M100

KEYED NOTES (#)

1. EXHAUST DUCT THROUGH ROOF. PROVIDE CURB-MOUNTED WEATHERPROOF CAP AND BIRD SCREEN EQUIVALENT TO COOK PR. MAINTAIN MINIMUM 10'-0" FROM ALL FRESH AIR INTAKES.
2. NOT USED.
3. REFER TO PLUMBING PLANS FOR GAS AND CONDENSATE PIPING CONNECTIONS.
4. TYPE I EXHAUST FAN SHALL BE INSTALLED SO THE DISCHARGE IS NOT LESS THAN 10'-0" FROM ANY FRESH AIR INTAKE AND NOT LESS THAN 5'-0" FROM ANY ROOF PARAPET WALL. INTENT IS TO UTILIZE THE EXISTING ROOF PENETRATION AT THIS LOCATION FOR NEW KITCHEN HOOD EXHAUST DUCT. COORDINATE INSTALLATION WITH EXISTING FIELD CONDITIONS. NOTIFY ARCHITECT AND ENGINEER ABOUT ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
5. ROUTE CONCENTRIC FLUE THROUGH ROOF FOR WATER HEATER. INSTALL PER MANUFACTURER'S REQUIREMENTS.
6. NEW ROOFTOP UNIT TO REPLACE EXISTING ROOFTOP UNIT IN THE SAME LOCATION. PROVIDE NEW ROOF PENETRATIONS AS REQUIRED FOR ROOFTOP UNIT ORIENTATION SHOWN.

GENERAL NOTES

a. CONTRACTOR TO FAMILIARIZE HIMSELF WITH THE SITE AND VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND ADJUST FOR ACTUAL FIELD CONDITIONS AT NO EXPENSE TO OWNER. REPORT TO THE ARCHITECT AND OR ENGINEER ANY DISCREPANCIES WITH THE PLANS AND EXISTING CONDITIONS.

b. SCHEDULE OF WORK: THIS CONTRACTOR SHALL BE REQUIRED TO FAMILIARIZE HIMSELF WITH THE PROPOSED WORK SCHEDULE & SHALL COORDINATE HIS WORK SCHEDULE WITH THE OTHER TRADES, SO THAT WORK PROGRESSES CAN BE PLANNED IN A PROPER SYSTEMATIC FASHION TO AVOID ANY DUPLICATION OF EFFORT & RESULTANT DELAY OF PROJECT.

c. PROVIDE OPERABLE HVAC SYSTEMS COMPLETE IN ALL RESPECTS AS CONTEMPLATED BY THE INFORMATION INDICATED ON THE DRAWINGS. IT IS NOT INTENDED THAT THE DRAWINGS & SPECIFICATIONS INDICATE EACH & EVERY ITEM OF INFORMATION NECESSARY FOR COMPLETE SYSTEMS BUT INDICATE SUFFICIENT INFORMATION FOR THE CONTRACTOR TO SECURE ADDITIONAL INFORMATION FROM OTHER SOURCES & PROVIDE ALL MATERIALS, EQUIPMENT & LABOR NECESSARY FOR COMPLETE INSTALLATIONS.

d. ALL LABOR, MATERIALS & EQUIPMENT SHALL BE PROVIDED WITH ONE YEAR GUARANTEE FROM DEFECTS.

e. CUTTING & PATCHING: THIS CONTRACTOR MUST LAY OUT HIS WORK IN ADVANCE OF NEW CONSTRUCTION IN ORDER THAT UNNECESSARY CUTTING & PATCHING WILL BE AVOIDED. OPENINGS SHALL BE REUSED AS SHOWN AND ANY MODIFICATIONS TO ROOF OPENINGS SHALL BE APPROVED BY THE LANDLORD, DONE BY THE LANDLORD'S ROOFING CONTRACTOR AND PAID FOR BY THE CONTRACTOR.

f. ALL ROOF CURBS/PENETRATIONS ARE TO BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S DETAILS. ALL REQUIRED ROOFING SHALL BE BY THE LANDLORD'S DESIGNATED ROOFING CONTRACTOR AS REQUIRED TO MAINTAIN THE WARRANTY AND INTEGRITY OF THE ROOF.

g. PROVIDE REQUIRED STRUCTURAL SUPPORT FOR ANY NEW ROOF MOUNTED OR SUSPENDED HEATING, VENTILATION, OR AIR CONDITIONING EQUIPMENT AS REQUIRED. COORDINATE SIZES AND PLACEMENT OF UNITS WITH THE LANDLORD.

h. ALL DUCTWORK, HANGERS, DAMPER CONSTRUCTION, SEAMS, INSTALLATION, ETC., SHALL CONFORM TO THE STANDARDS AS ADOPTED BY A.S.H.R.A.E. & SMACNA. ALL WORK SHALL CONFORM TO ALL APPLICABLE LAWS, RULES & REGULATIONS & RECOMMENDATIONS OF LOCAL BUILDING DEPARTMENT, NATIONAL BOARD OF FIRE UNDERWRITERS, N.F.P.A., & SHOPPING CENTER GENERAL SPECIFICATIONS. ALL DUCTWORK SHALL BE SHEET METAL CONFORMING TO SMACNA STANDARDS FOR LOW PRESSURE DUCTWORK & A.S.H.R.A.E. STANDARD 90-75.

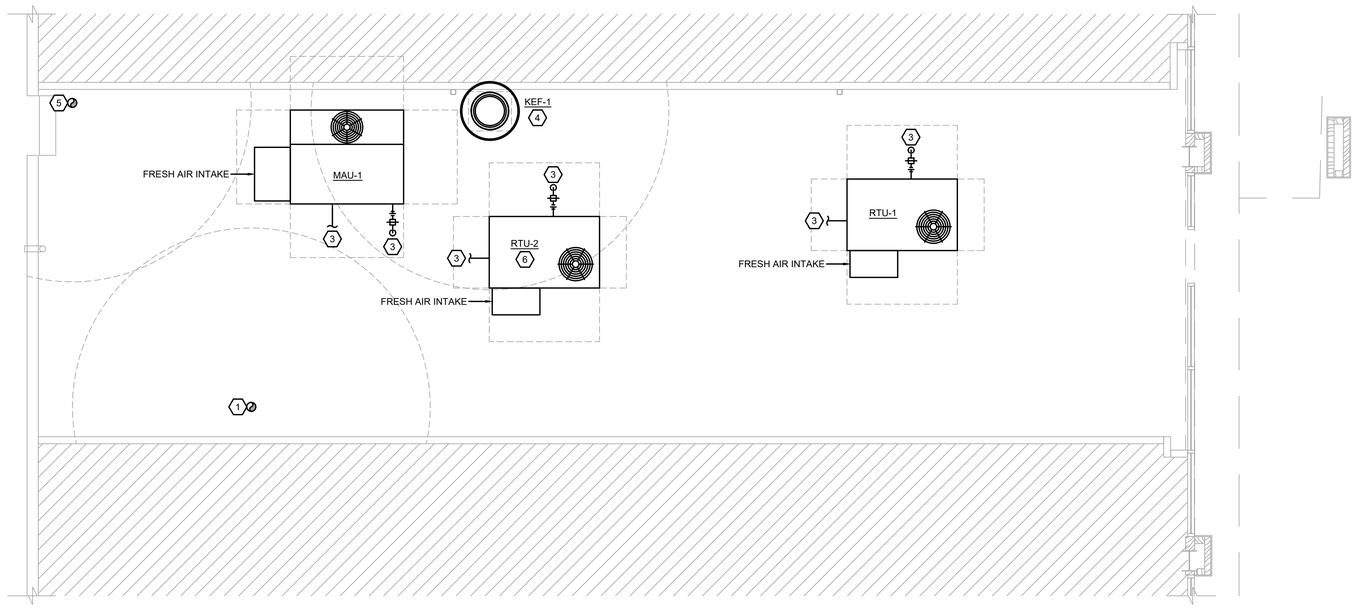
i. ALL DUCTWORK SHALL BE INSTALLED IN CONCEALED SPACE ABOVE CEILINGS. REFER TO SPECIFICATIONS FOR INSULATION REQUIREMENTS.

j. DUCT SYSTEM SHALL BE SEALED TO A LEAKAGE RATE NOT TO EXCEED 6 PERCENT OF THE NOMINAL AIRFLOW RATES, AND SHALL BE CONFIRMED THROUGH FIELD VERIFICATION AND DIAGNOSTIC TESTING.

k. PROVIDE RETURN AIR FILTERS AT HVAC UNITS ON ROOF, NOT AT RETURN AIR GRILLE IN SPACE.

l. IT IS THE OWNER'S RESPONSIBILITY TO CONTRACT WITH A COMMISSIONING AUTHORITY TO COMPLY WITH LOCAL CODES.

m. PROVIDE ARCHITECT WITH THREE (3) COPIES OF AIR BALANCE REPORT. INSTRUCT OWNER IN USE OF EQUIPMENT. AIR BALANCE REPORT TO BE AN INDEPENDENT TESTING AGENCY. AIR BALANCE TEST REPORT TO BE TAKEN IN THE LATE AFTERNOON WITH THE FOLLOWING TEMPERATURE READINGS DOCUMENTED (IN ADDITION TO CFM) 1.) TEMPERATURE OF AIR LEAVING EACH CEILING DIFFUSER, 2.) TEMPERATURE OF AIR LEAVING HVAC UNIT, 3.) TEMPERATURE OF OUTSIDE AIR AT HVAC UNIT, 4.) TEMPERATURE OF AIR WITHIN SALES AREA (AT THERMOSTAT).



1 MECHANICAL ROOF PLAN

SCALE 1/4" = 1'0"

SARGENTI
5540 LEGACY CIRCLE - STE D230,
PLANO, TX 75024
T|972.521.5150 ✱ WWW.SARGARCH.COM

CONSULTANT:

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DRAWING SEAL:

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MECHANICAL
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AREA: 1,297 SQ. FT.
DRAWN BY: OH REVIEWED BY: AH

TITLE:

MECHANICAL ROOF PLAN

SHEET NUMBER:

M101

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FOR QUESTIONS, CALL THE
Denver Office
REGION 42
PHONE: (720) 570 - 0981
EMAIL: reg42@captiveaire.com

HOOD INFORMATION – JOB#8562170

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S) WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP	TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG END TO END	ROW
1	HD-1	5430 ND-2-PSP-F	CAPTIVEAIRE	12' 0"	600 DEG	I	HEAVY	233	2800			4"	16"	2800	2005	-1.083"	2475	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S) TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	LIGHT(S) QTY	TYPE	WIRE GUARD	UTILITY CABINET(S) LOCATION	SIZE	FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
1	HD-1	CAPTRATE SOLO FILTER	9	20"	16"	85% SEE FILTER SPEC	5	L55 SERIES E26	NO	LEFT	12"x54"x30"	TANK FS	4.0/4.0	SC-311110MA	1 LIGHT 1 FAN	YES	1213 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	HD-1	FIELD WRAPPER 17.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 128.00" HIGH X 192.00" LONG 430 SS VERTICAL.
		STRUCTURAL FRONT PANEL.
		INSULATION FOR BACK OF HOOD.
		RISER SENSOR INSTALL 6IN PLEN.
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.

PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S) WIDTH	LENG	DIA	CFM	SP
1	HD-1	Front	156"	16"	6"	MUA	12"	28"		825	0.252"
						MUA	12"	28"		825	0.252"
						MUA	12"	28"		825	0.252"

SPECIFICATION: CAPTRATE® GREASE-STOP® SOLO FILTER

THE CAPTRATE GREASE-STOP SOLO FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-BAFFLE DESIGN IN CONJUNCTION WITH A SLOTTED REAR BAFFLE DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

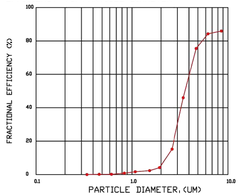
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

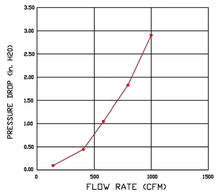
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLO WAS TESTED TO ASTM STANDARD ASTM F2519-05. MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.

EFFICIENCY VS. PARTICLE DIAMETER



PRESSURE DROP VS. FLOW RATE

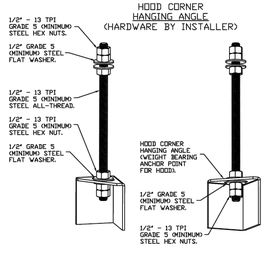


CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:
NFPA #96.
NSF STANDARD #2.
UL STANDARD #1046.
INT. MECH. CODE (IMC).
ULC-S649.

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH
UL 710 AND NFPA 96
AND ARE RECOGNIZED BY ONE OR MORE OF THE FOLLOWING:
ETL SANITATION LISTED
ETL LISTED FILE# 3054804-001

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH
NFPA #96
NSF
ETL LISTED #3054804-001

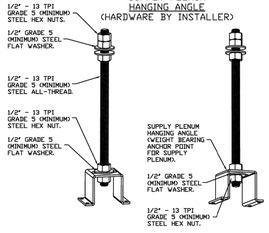
HOOD CORNER HANGING ANGLE (HARDWARE BY INSTALLER)



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

SUPPLY PLENUM HANGING ANGLE (HARDWARE BY INSTALLER)



ASSEMBLY INSTRUCTIONS

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REVISIONS

	DESCRIPTION	DATE:
1		
2		
3		
4		

CAPTIVE-AIRE

www.captiveaire.com

Denver Office
7300 S Alton Way Building S, Suite B, Centennial, CO. 80112 PHONE: (720) 570 - 0981 FAX: 9192275999 EMAIL: reg42@captiveaire.com

Teriyaki Madness - Apple Valley, CA
APPLE VALLEY, CA, 92307

DATE: 3/16/2026

DWG.#: 8562170

DRAWN BY: AC

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 1

SARGENTI
5540 LEGACY CIRCLE - STE D230,
PLANO, TX 75024
T|972.521.9150 ✱ WWW.SARGARCH.COM

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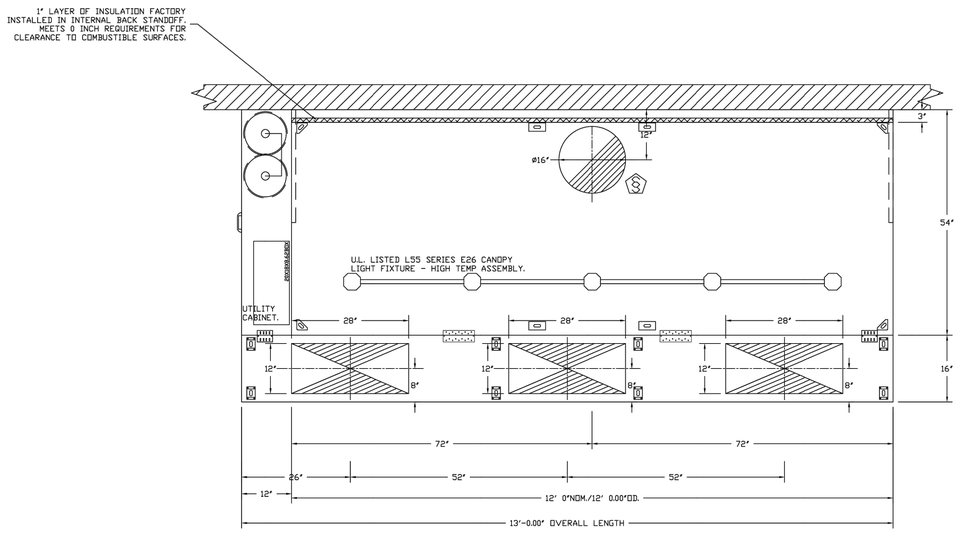
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HOOD DRAWINGS

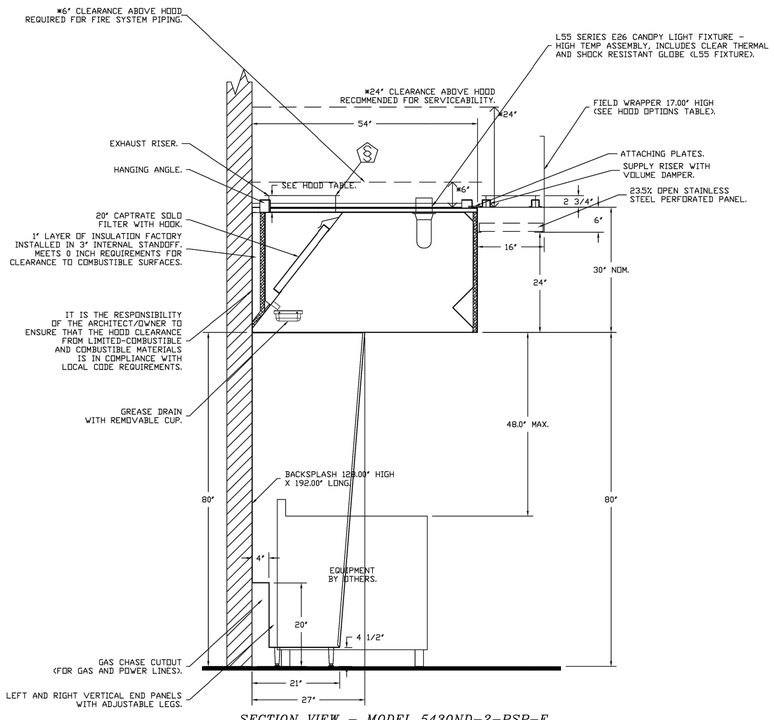
SHEET NUMBER:

M200

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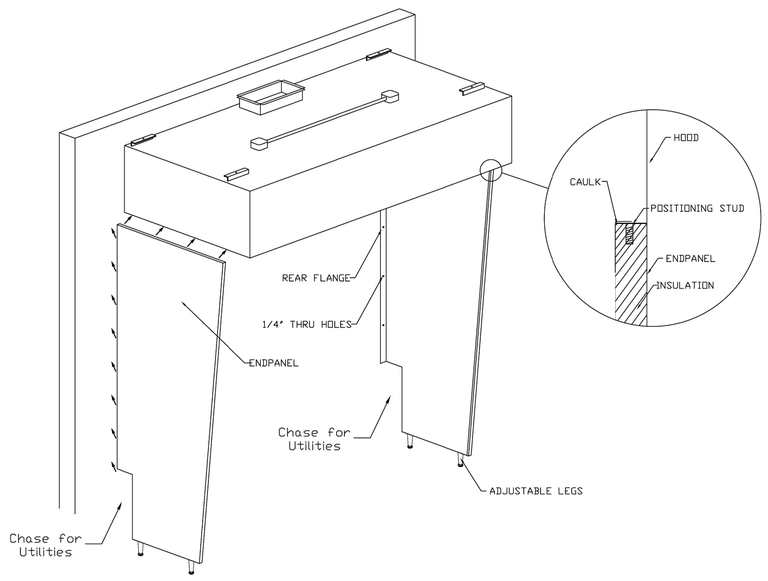


PLAN VIEW – HOOD #1 (HD-1)
12' 0.00" LONG 5430ND-2-PSP-F
NOTE: ADDITIONAL HANGING ANGLES PROVIDED FOR HOODS 12' AND LONGER.



SECTION VIEW – MODEL 5430ND-2-PSP-F
HOOD – #1 (HD-1)

ND-2 VERTICAL ENDPANEL



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SHEET NO. 2

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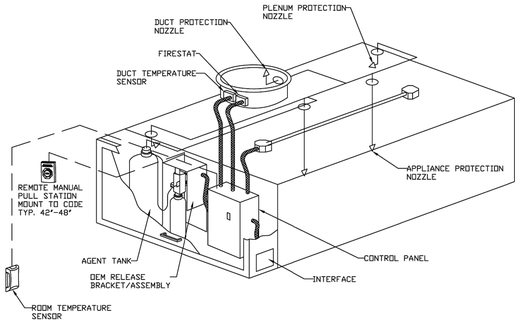
TITLE:
HOOD DRAWINGS

SHEET NUMBER:
M201

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FIRE SYSTEM INFORMATION – JOB#8562170

FIRE SYSTEM NO	TAG	TYPE	SIZE	MAX FP	DESIGN FP	INSTALLATION	
						SYSTEM	LOCATION ON HOOD
1		TANK FS	4.0/4.0	40	37	FIRE CABINET LEFT	LEFT, HOOD 1



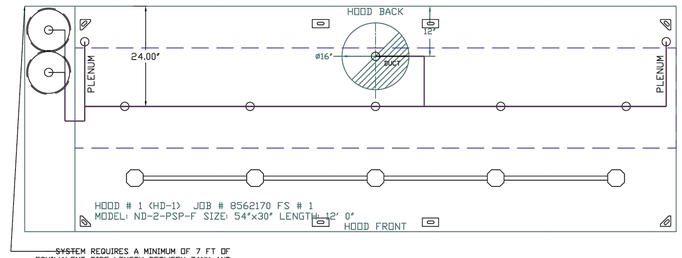
TYPICAL TANK SYSTEM LAYOUT

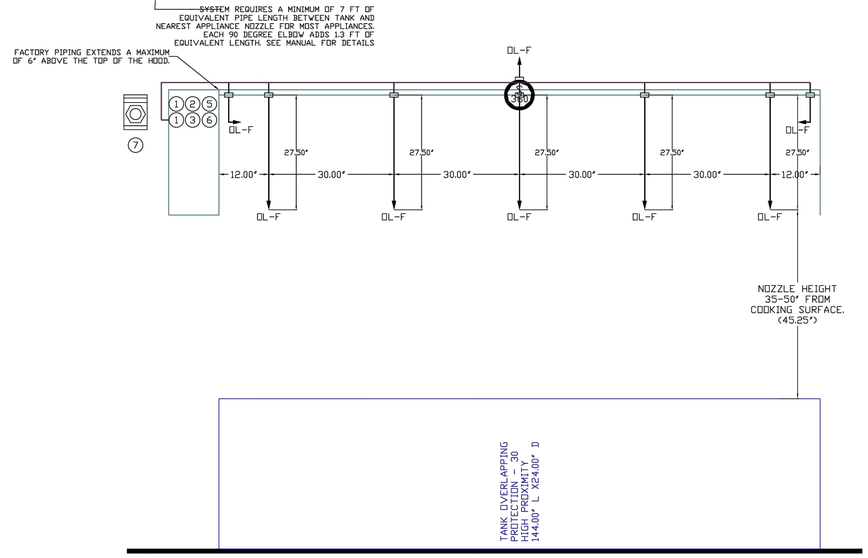
SPECIFICATIONS:

THE RESTAURANT FIRE SUPPRESSION SYSTEM SHALL BE THE PRE-ENGINEERED TYPE WITH A FIXED NOZZLE AGENT DISTRIBUTION NETWORK. IT SHALL BE LISTED WITH UNDERWRITERS LABORATORIES, INC. (UL)

THE SYSTEM CONTROLS SHALL PROVIDE ALL NECESSARY MONITORING, TIMING AND SUPERVISION FUNCTIONS REQUIRED FOR THE RELIABLE OPERATION OF THE WET CHEMICAL FIRE SUPPRESSION SYSTEM. ALL DEVICES THAT ARE CRITICAL TO PROPER OPERATION SHALL BE SUPERVISED. THE SYSTEM SHALL INCLUDE A BATTERY BACK UP SYSTEM. IN THE EVENT OF A LOSS OF POWER TO THE BUILDING, THE BACKUP SYSTEM SHALL POWER ALL SYSTEMS NECESSARY FOR PROPER OPERATION.

THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ACTUATION WITH LOCAL OR REMOTE MANUAL ACTUATION. THE DETECTION PORTION OF THE FIRE SUPPRESSION SYSTEM ALLOWS FOR AUTOMATIC DETECTION BY MEANS OF AN ELECTRIC THERMAL DETECTOR(S) LOCATED IN THE HOOD DUCT CONNECTION(S).





AGENT DISTRIBUTION PIPING LIMITATIONS	
PIPE SECTION	MAX PIPE LENGTH (FT)
MAX SUPPLY LINE TO FIRST OVERLAPPING NOZZLE	42
OVERLAPPING NOZZLE APPLIANCE BRANCH	10
DEDICATED NOZZLE APPLIANCE BRANCH	10

INCLUDES: FIELD INSTALLATION AND HOOKUP DURING NORMAL BUSINESS HOURS BY CERTIFIED INSTALLERS ONLY IN THE LOCATION NOTED ABOVE, TWO SITE VISITS ONLY (ONE VISIT TO SET PULL STATION & SYSTEM HOOKUP AND ONE VISIT FOR ONE TEST; ADDITIONAL VISITS WILL RESULT IN ADDITIONAL CHARGES), ONE MECHANICAL OR ELECTRICAL GAS VALVE PER SYSTEM AT A MAXIMUM SIZE OF 2", PERMIT, AND SYSTEM TEST.
EXCLUDES: UNION LABOR & PREVAILING WAGE (LABOR & WAGES WILL BE ADDED IF APPLICABLE), GAS VALVE INSTALLATION, ELECTRICAL HOOKUP AND CONNECTIONS, HANGING OF FIRE CABINET, SHUNT TRIP, HANDHELD EXTINGUISHER(S), ON-SITE RE-PIPING DUE TO EQUIPMENT LAYOUT CHANGES.

NOTES
- FIELD PIPE DROPS AS SHOWN
  SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- MAXIMUM 9 ELBOWS IN SUPPLY LINE.
- MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE COVERING A RANGE, FRYER, OR WOK TO REFLECT GENERAL PIPING REQUIREMENTS.
- IF APPLICABLE, PRE-PIPED CHARBROILER DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

NOTES
- FIELD PIPE DROPS AS SHOWN
  PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED.
- SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD-INSTALLED.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
- IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS PRE-ENGINEERED FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.

- OL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

JOB #: 8562170.
JOB NAME: TERIYAKI MADNESS - APPLE VALLEY, CA.

SYSTEM SIZE: TANK-SP-2 DESIGN FP: 37. MAXIMUM FP: 40.
HOOD # 1 12' 0.00" LONG x 54" WIDE x 30" HIGH.
RISER # 1 SIZE: 16" DIA.
HOOD # 1 METAL BLOW-OFF CAPS INCLUDED.

- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

LEGEND – FIRE CABINET TANK SYSTEM

1 4 GALLON TANK.
2 PRIMARY ACTUATOR RELEASE.
3 SECONDARY ACTUATOR RELEASE.
4 PRESSURE SUPERVISION SWITCH.
5 PRIMARY HOSE ASSEMBLY.
6 SECONDARY HOSE ASSEMBLY.
7 REMOTE MANUAL ACTUATION DEVICE.

REVISIONS

	DESCRIPTION	DATE:
1		
2		
3		
4		

CAPTIVE-AIRE
Denver Office
www.captiveaire.com
7300 S Alton Way Building 5, Suite B, Centennial, CO. 80112 PHONE: (720) 570 - 0981 FAX: 9192275999 EMAIL: reg42@captiveaire.com

Teriyaki Madness - Apple Valley, CA
APPLE VALLEY, CA, 92307

DATE: 3/16/2026
DWG.#: 8562170
DRAWN BY: AC
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 3

SARGENTI
5540 LEGACY CIRCLE - STE D230, PLANO, TX 75024
T|972.521.9150 ■ WWW.SARGARCH.COM

CONSULTANT:
GEMINI ENGINEERING GROUP
Angela Hawkins, P.E. CA-M42738
101 Nightlinger Lane
Millsap, TX 76066
(817) 672-7562

DRAWING SEAL:
LICENSED PROFESSIONAL ENGINEER ANGELA HAWKINS M 42738 MECHANICAL STATE OF CALIFORNIA
06/09/2026

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△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS

LOCATION:
TERIYAKI MADNESS
TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: OH REVIEWED BY: AH

TITLE:
HOOD DRAWINGS

SHEET NUMBER:
M202

THIS DRAWING IS FOR REFERENCE ONLY. DRAWINGS ARE FROM AN OUTSIDE SOURCE AND ARE NOT TO SCALE. CONTRACTOR SHALL FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.

EXHAUST FAN INFORMATION – JOB#8562170

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	KEF-1	1	DU200HFA	CAPTIVEAIRE	2800	1.500	1176	TEAO-ECM	2.000	1.5640	3	208	15.0	681 FPM	167	19.2

DOAS/RTU FAN SCHEDULE – JOB#8562170

FAN INFORMATION										ELECTRICAL INFORMATION					COOLING INFORMATION											GAS HEAT INFORMATION					A2L MINIMUM ROOM VOLUME			
FAN UNIT NO	TAG	QTY	DOAS/RTU MODEL #	MANUFACTURER	BLOWER	TOTAL CFM	MAX OUTSIDE AIR CFM	RETURN AIR CFM	WEIGHT (LBS)	ESP	HP	PHASE	VOLT	MCA	MOCP	OUTSIDE AIR		MIXED AIR		LEAVING AIR		CAPACITY		IEER	ISMRE2	GAS TYPE	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	ROOM AREA (FT2)	AIRFLOW (CFM)	HEIGHT (FT)	NOTES
																DB	WB	DB	WB	DB	WB	DP	TOTAL	SENS.									
2	MAU-1	1	CAS-HVAC1-I.200-16-5T-MPU	CAPTIVEAIRE	16Z-1	2475	2475	0	1207	0.500	2.50	3	208	28.5A	30A	85.5°F	65.8°F	85.5°F	65.8°F	56.4°F	56.4°F	56.4°F	64.0 MBH	62.9 MBH	17.9	6.4	NATURAL	145700	118017	47°F	7 IN. W.C. – 14 IN. W.C.	206	304	7.2	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17

NOTES:

1. INVERTER SCROLL COMPRESSOR WITH INTEGRATED OIL SENSOR. DIGITAL OR STAGED SCROLL NOT AN APPROVED EQUAL
2. DIRECT DRIVE PLENUM BLOWER. BELT DRIVEN BLOWERS ARE NOT ACCEPTABLE
3. INTEGRATED MONITORING VIA CELLULAR CONNECTION BY MANUFACTURER
4. REFRIGERATION PRESSURE MONITORING ON HIGH AND LOW PRESSURE SIDE OF SYSTEM INCLUDED THROUGH DIGITAL INTERFACE
5. EC MOTOR CONDENSING FANS
6. ELECTRONIC EXPANSION VALVE. TXV NOT ACCEPTABLE
7. SUCTION LINE ACCUMULATOR
8. FACTORY COMMISSIONING WITH 5 YEAR PARTS WARRANTY, 25 YEAR WARRANTY ON STAINLESS STEEL HEAT EXCHANGER
9. AVERAGING INTAKE, EVAP AND DISCHARGE TEMPERATURE SENSORS (DISCHARGE SENSOR TO BE FACTORY MOUNTED WITHIN UNIT)
10. 81% EFFICIENT FURNACE, WITH MODULATING INDUCER TO MAINTAIN CONSTANT COMBUSTION EFFICIENCY ACROSS FIRING RANGE. 6:1 TURNDOWN WITH NG AND 5:1 TURNDOWN WITH LP
11. SUPPLY CFM MONITORING INTEGRAL TO UNIT WITH CFM MEASUREMENT INCLUDED THROUGH DIGITAL INTERFACE
12. LOW AMBIENT COOLING OPERATION DOWN TO 0°F
13. 1" EXTERIOR DUAL-WALL CONSTRUCTION W/ R-4.3 INSULATION-MINIMUM 24GA EXTERIOR W/ 18GA BASE
14. DOWN DISCHARGE/NO RETURN
15. DIRECT DRIVE ECM PLENUM BLOWER. BELT DRIVEN AND NON-ECM BLOWERS ARE NOT ACCEPTABLE
16. MINIMUM ROOM AREA ASSUMED 7.2' SUPPLY DIFFUSER HEIGHT AND IS CALCULATED PER UL60335-2-40 4TH ED. VALUES BASED ON FACTORY CHARGE. ACTUAL SITE CHARGE MAY DIFFER.
17. SCCR RATING OF 10kAMP

FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	KEF-1	YES						

CURB ASSEMBLIES

NO	ON FAN	TAG	R-VALUE	WEIGHT	ITEM	SIZE
1	# 1	KEF-1		34 LBS	CURB	26.500"W X 26.500"L X 26.000"H VENTED HINGED.
2	# 2	MAU-1	4.3	103 LBS	CURB	41.000"W X 71.000"L X 20.000"H INSULATED.

1" R4.3 FOIL FACED FIBERGLASS INSULATION. COMPLIES WITH UL/ULC,ASTM, & ASHRAE STANDARDS.

FAN OPTIONS

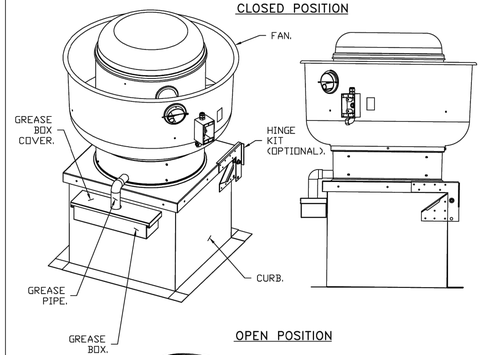
FAN UNIT NO	TAG	QTY	DESCRIPTION
1	KEF-1	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL – DU/DR200HFA – INSTALLED AT PLANT – FOR GREASE DUCTS
		1	ECM WIRING PACKAGE – PWM SIGNAL FROM ECPM03 PREWIRE (TELCO MOTOR), CCW ROTATION
		1	2 YEAR PARTS WARRANTY
2	MAU-1	1	INLET PRESSURE GAUGE, 0-35"
		1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 1 FURNACE
		1	TOTAL CFM MONITORING
		1	INTAKE FIRESTAT SET TO 135°F
		1	FREEZESTAT
		1	DISCHARGE FIRESTAT SET TO 240°F
		1	SHIP LOOSE GAS STRAINER 3/4"
		1	CASLINK BUILDING MONITORING SYSTEM – INTERNET OR CELLULAR CONNECTION REQUIRED
		1	SPECIAL ORIFICES FOR IF HEATERS ABOVE 2,000'
		1	RTU1 DOWN DISCHARGE
		1	RTU FIXED 100% OA INTAKE CONTROL
		1	RTU1 NO RETURN – 100% OA – MPU
		1	RTU1 CURB DUCT HANGER
		1	RTU SIZE 1 INTAKE HOOD, SHIPPED LOOSE
		1	SIZE 1 MOISTURE ELIMINATOR FOR SIZE 1, 5 TON RTU. NO REHEAT
		1	ECM FAN DOAS – 3 PHASE
		1	2" MERV 13 FILTERS FOR RTU1 (QTY. 4)
		1	2" MERV 8 FILTERS FOR RTU1 (QTY. 4)
		1	RTU BLOWER DOOR SWITCH
		1	5 TON MODULATING COOLING OPTION, 208/230V. R454B REFRIGERANT, VARIABLE SPEED COMPRESSOR, DL ECM CONDENSING FAN
		1	R454B LEAK DETECTOR OPTION FOR RTU5
		1	2" METAL MESH FILTERS FOR RTU1 OUTDOOR INTAKE
		1	BLOWER STOP DELAY. ALLOWS RESIDUAL HEAT TO BE TRANSFERRED INTO THE SUPPLY AIR AFTER HEATING HAS STOPPED. FACTORY SET AT 90 SECS FOR IBT, 30 SECS FOR DF
		1	LOW AMBIENT COOLING OPERATION – DOWN TO 0F AMBIENT
		1	120V FIRE INPUT
		1	SINGLE POINT ELECTRICAL CONNECTION FOR RTU. 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, "MA", OR "E2" PREWIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREWIRE
		1	ECM 0-10V SUPPLY FAN CONTROL – RTU MUA BOARD (ZIEHL MOTOR)
		1	5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEAIRE SERVICE CONTRACT, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY (SEE ADDITIONAL DETAILS)
		1	EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET

HMI SCHEDULE				
UNIT NUMBER	HMI #	HMI LOCATION	TEMP AVERAGING	MODBUS ADDRESS
FAN #2	HMI #1 – UNIT	IN UNIT	NOT AVERAGED	55

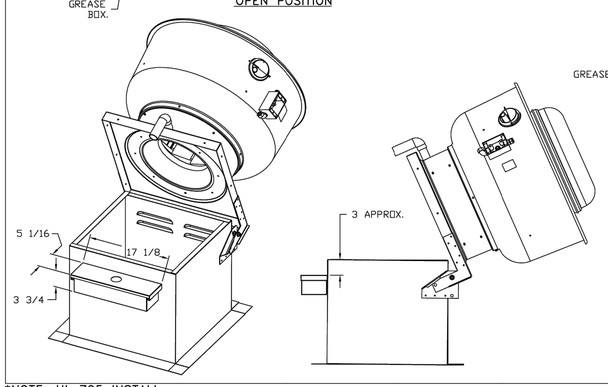
GREASE BOX INSTALLATION

GREASEBOX REV.#2 08/19/02

CLOSED POSITION



OPEN POSITION



PARTS INCLUDED

GREASE BOX.
GREASE BOX COVER.
GREASE PIPE.

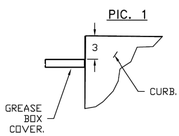
SHEET METAL SCREWS
3 – LONG (3/4" LG.).

GREASE BOX FIELD INSTALLATION

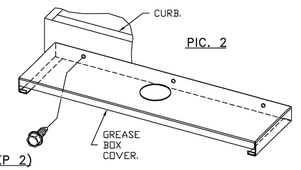
STEP 1)

ATTACH GREASE BOX COVER TO THE CURB, HOLD 3" DIMENSION AS SHOWN ON PIC. 1. SCREW GREASE BOX COVER TO CURB USING (3) LONG (3/4" LG.) SCREWS AS SHOWN ON PIC. 2.

PIC. 1



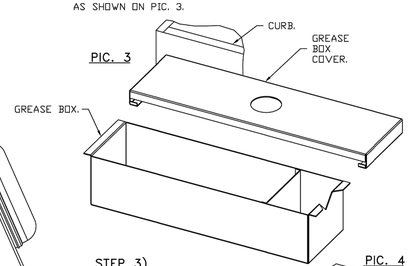
PIC. 2



STEP 2)

ATTACH GREASE BOX TO GREASE BOX COVER, SLIDE AND DROP. AS SHOWN ON PIC. 3.

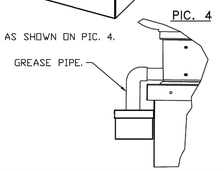
PIC. 3



STEP 3)

INSTALL GREASE PIPE AS SHOWN ON PIC. 4.

PIC. 4



*NOTE: UL 705 INSTALL.

REVISIONS

	DESCRIPTION	DATE:
1		
2		
3		
4		

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Teriyaki Madness – Apple Valley, CA
APPLE VALLEY, CA, 92307

DATE: 3/16/2026

DWG.#: 8562170

DRAWN BY: AC

SCALE: 3/4" = 1'–0"

MASTER DRAWING

SHEET NO. 4

SARGENTI
5540 LEGACY CIRCLE - STE D230, PLANO, TX 75024
T|972.521.5150 ✱ WWW.SARGARCH.COM

CONSULTANT:

GEMINI ENGINEERING GROUP
Angela Hawkins, P.E. CA-M42738
101 Nightlinger Lane
Millsap, TX 76066
(817) 672-7562

DRAWING SEAL:

LICENSED PROFESSIONAL ENGINEER ANGELA A. HAWKINS M 42738 MECHANICAL STATE OF CALIFORNIA
06/09/2026

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1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: OH REVIEWED BY: AH

TITLE:

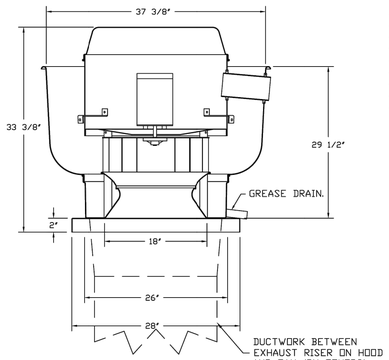
HOOD DRAWINGS

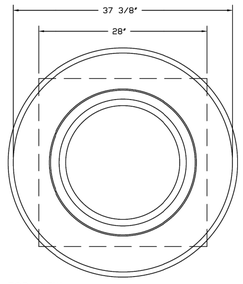
SHEET NUMBER:

M203

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FAN #1 DU200HFA - EXHAUST FAN (KEF-1)





TOP VIEW

FEATURES:

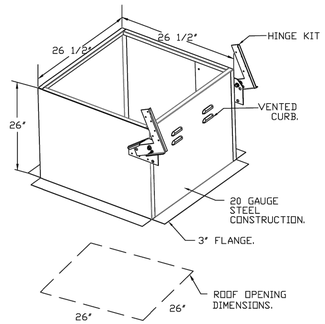
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

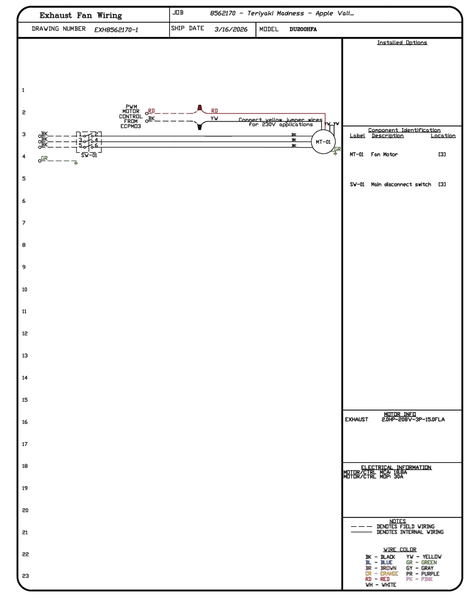
NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

- GREASE BOX.
- FAN BASE CERAMIC SEAL - DU/DR200HFA - INSTALLED AT PLANT - FOR GREASE DUCTS.
- ECM WIRING PACKAGE - PWM SIGNAL FROM ECPM03 PREWIRE (TELCO MOTOR), CCW ROTATION.
- 2 YEAR PARTS WARRANTY.





EXHAUST WILL DISCHARGE A MINIMUM OF 40" ABOVE THE ROOF STRUCTURE.

REVISIONS

	DESCRIPTION	DATE:
1		
2		
3		
4		

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Teriyaki Madness - Apple Valley, CA
APPLE VALLEY, CA, 92307

DATE: 3/16/2026

DWG.#: 8562170

DRAWN BY: AC

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 5

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5540 LEGACY CIRCLE - STE D230,
PLANO, TX 75024
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CONSULTANT:
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(817) 672-7562

DRAWING SEAL:

LICENSED PROFESSIONAL ENGINEER
ANGELA HAWKINS
M 42738
MECHANICAL
STATE OF CALIFORNIA
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DRAWN BY: OH REVIEWED BY: AH

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HOOD DRAWINGS

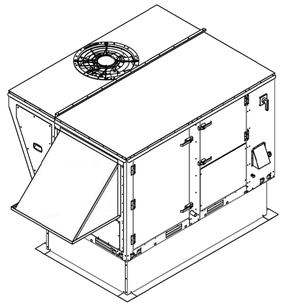
SHEET NUMBER:
M204

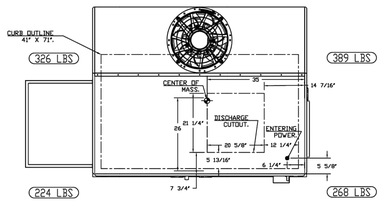
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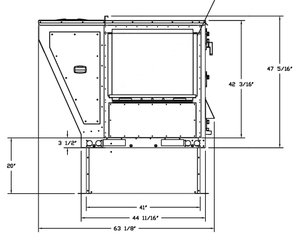
FAN #2 CAS-HVAC1-I.200-16Z-5T-MPU - HEATER (MAU-1)

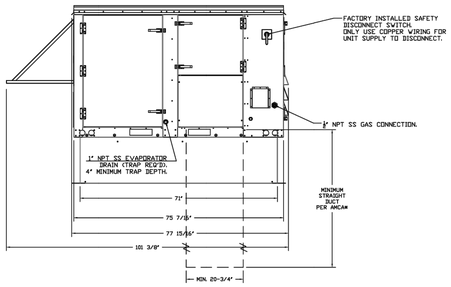
NOTES:
1. DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
2. ( ) DENOTES CORNER WEIGHT.
3. ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.
4. CONNECTION FROM BREAKER TO UNITS SAFETY DISCONNECT SWITCH TO BE COPPER WIRE ONLY.
5. EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET.

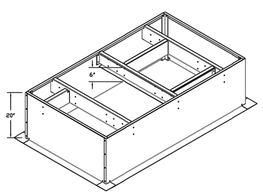
*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT.
SUGGESTED SUPPLY STRAIGHT DUCT SIZE IS 20-3/4" x 21-1/2".

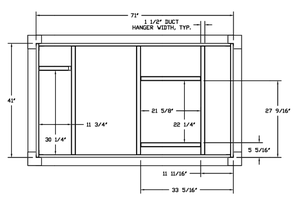








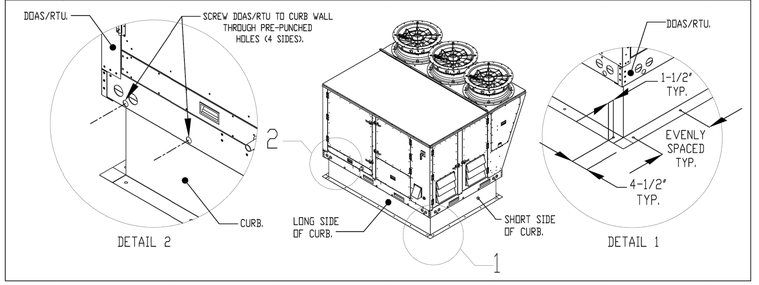


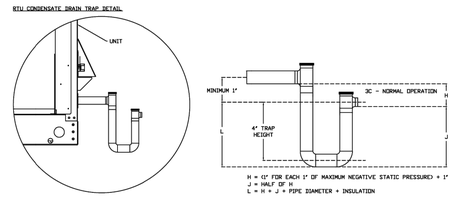


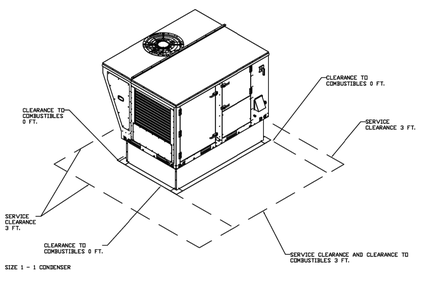
TYPICAL DOAS/RTU ROOF MOUNTING INSTALLATION INSTRUCTIONS

1. SECURE THE CURB TO THE ROOF FRAMING MEMBERS BY DRILLING 1/4" PILOT HOLES IN THE CURB FLANGES AT LOCATIONS SHOWN IN THE DIAGRAM BELOW. USING 3/8" X 2" ZINC PLATED STEEL LAG BOLTS, AND ZINC PLATED WASHERS, SCREW THROUGH THE CURB FLANGES AND INTO THE ROOF FRAMING MEMBERS. A MINIMUM OF (5) LAG BOLTS ON EACH SHORT SIDE, AND (7) LAG BOLTS ON EACH LONG SIDE IS REQUIRED.

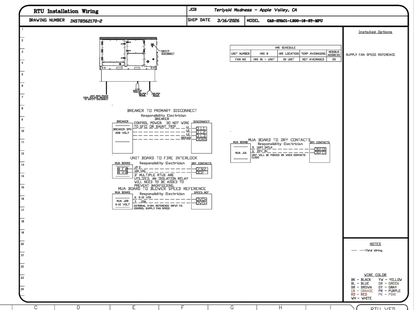
2. SECURE THE UNIT BASE TO THE SIDE WALLS OF THE CURB USING (24) 1/4"-14 X 2" SELF-DRILLING, STEEL ZINC PLATED SCREWS. PRE-PUNCHED HOLES HAVE BEEN PROVIDED FOR EACH SCREW LOCATION.

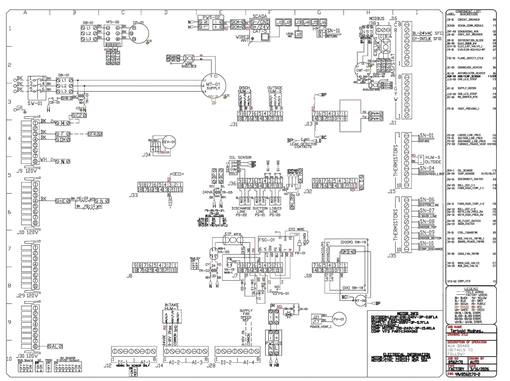






SIZE 1 - 1 CONDENSER

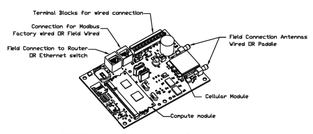



RTU VFD SCHEMATIC
COMPONENT LIST
LEGEND
Carrier Factory Wiring
Carrier Field Wiring
Factory Option Wiring
Field Option Wiring
Terminal Block
Splice
Terminal Marker
Wire Connector
Ground
Chassis Ground
Earth Ground
Shield
Twisted Pair
Plug Connector
Jumper
Fuse
Resistor
Capacitor
Inductor
Transformer
Diode
Rectifier
Thermistor
Varistor
Potentiometer
Switch
Relay Coil
Relay Contact
Motor
Solenoid
Coil
Transducer
Meter
Light
Antenna
Crystal
Heater
Filter
Amplifier
Optocoupler
Circuit Breaker
Battery
Fuse Block
Power Supply
Modulating Valve
Actuator
Sensor
Encoder
Clock
Timer
Counter
Switching Relay
Logic
Microprocessor
Integrated Circuit
Interface
Memory
Real Time Clock
Digital I/O
Analog I/O
Communication
Bus
Network
Wireless
Bluetooth
Ethernet
USB
Serial
Parallel
SPI
I2C
CAN
RS-485
RS-232
Modbus
BACnet
LonWorks
Proprietary
Unknown
Spare
Reserved
Not Used
Test Point
Fuse Holder
Circuit Breaker
Disconnect
Safety Switch
Interlock
Limit Switch
Pressure Switch
Temperature Switch
Flow Switch
Level Switch
Proximity Switch
Photoelectric Switch
Ultrasonic Sensor
Infrared Sensor
Humidity Sensor
Gas Sensor
Smoke Detector
Flame Detector
Vibration Sensor
Speed Sensor
Position Sensor
Pressure Sensor
Temperature

THIS DRAWING IS FOR REFERENCE ONLY. DRAWINGS ARE FROM AN OUTSIDE SOURCE AND ARE NOT TO SCALE. CONTRACTOR SHALL FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.

ELECTRICAL PACKAGE – JOB#8562170

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY		FAN TAG	TYPE	Φ	HP	VOLT	FLA
1		SC-311110MA	UTILITY CABINET LEFT	UTILITY CABINET LEFT	1 LIGHT	SMART CONTROLS THERMOSTATIC CONTROL W/ RELAY ON/OFF WITH SUPPLY	KEF-1	EXHAUST	3	2.000	208	15.0
				HOOD # 1	1 FAN		MAU-1	SUPPLY	3	2.500	208	5.7



CASlink Monitor and Control

- *Hood control panel to support communications to cloud-based Building Management System.*
- *Hood Control Panel to allow cloud-based Building Management System to monitor real time parameters outlined as MONITOR in the points list.*
- *Hood Control Panel to allow cloud-based Building Management System to control parameters outlined as CONTROL in the points list.*
- *Hood Control Panel to allow cloud-based Building Management System to implement SYSTEM ECONOMIZER control strategies for fully integrated Building Management.*

MONITORING AND CONTROL POINTS LIST

DCV Packages	*Function*
Room Temperature	*MONITOR*
Duct Temperature(s)	*MONITOR*
MUA Discharge Temperature	*MONITOR*
Kitchen RTU Discharge Temperature	*MONITOR*
Fan Speed	*MONITOR*
Fan Amperage	*MONITOR*
Fan Power	*MONITOR*
VFD Faults	*MONITOR*
Controller Faults	*MONITOR*
Fan Faults	*MONITOR*
Fan Status	*MONITOR*
PCU Faults	*MONITOR*
PCU Filter Clog Percentages	*MONITOR*
Fire Condition	*MONITOR*
CORE Fire System	*MONITOR*
Building Pressures	*MONITOR*
Prep Time Button	*MONITOR & CONTROL*
Fans Button	*MONITOR & CONTROL*
Lights Button	*MONITOR & CONTROL*
Wash Button	*MONITOR & CONTROL*

SC Packages	*Function*
Room Temperature(s)	*MONITOR*
Duct Temperature(s)	*MONITOR*
MUA Discharge Temperature	*MONITOR*
Kitchen RTU Discharge Temperature	*MONITOR*
Controller Faults	*MONITOR*
Fan Faults	*MONITOR*
Fan Status	*MONITOR*
PCU Faults	*MONITOR*
PCU Filter Clog Percentages	*MONITOR*
Fire Condition	*MONITOR*
CORE Fire System	*MONITOR*
Building Pressures	*MONITOR*
Fans Button(s)	*MONITOR & CONTROL*
Lights Button(s)	*MONITOR & CONTROL*
Wash Button	*MONITOR & CONTROL*

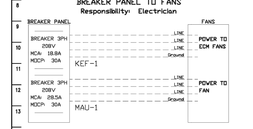
JOB NO 8562170 | MODEL NUMBER SC-311110MA | JOB NAME Teriyaki Madness – Apple Vall... | DRAWN BY | DATE 3/16/2026 | SCHEMATIC TYPE INSTALL | DWG NO ECP #1-3

DESCRIPTION OF OPERATION: 3 Phase A/ control for 1 Exhaust Fan, 1 Supply Fan, Exhaust an In Fire, Lights out in Fire, Relay On/Off with Sepoly Fan, Factor On/Off thermostatically Controlled, Room temperature sensor shipped loose for field installation. INVERTER DUTY 3 PHASE MOTOR REQUIRED FOR USE WITH VFD.

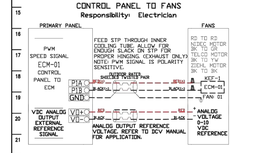
BREAKER PANEL TO PRIMARY CONTROL PANEL
Responsibility: Electrician
BREAKER SIZE SHOWN IS THE MAXIMUM ALLOWED



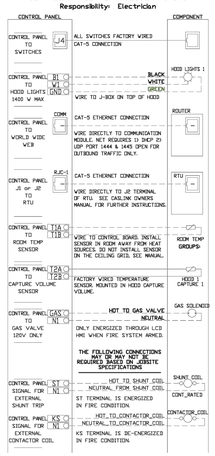
BREAKER PANEL TO FANS
Responsibility: Electrician

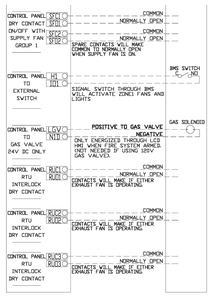


CONTROL PANEL TO FANS
Responsibility: Electrician

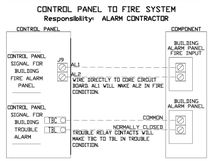


CONTROL PANEL TO ACCESSORY ITEMS
Responsibility: Electrician





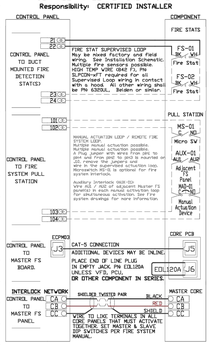
CONTROL PANEL TO FIRE SYSTEM
Responsibility: ALARM CONTRACTOR



JOB NO 8562170 | MODEL NUMBER SC-311110MA | JOB NAME Teriyaki Madness – Apple Vall... | DRAWN BY | DATE 3/16/2026 | SCHEMATIC TYPE INSTALL | DWG NO ECP #1-2

DESCRIPTION OF OPERATION: 3 Phase A/ control for 1 Exhaust Fan, 1 Supply Fan, Exhaust an In Fire, Lights out in Fire, Relay On/Off with Sepoly Fan, Factor On/Off thermostatically Controlled, Room temperature sensor shipped loose for field installation. INVERTER DUTY 3 PHASE MOTOR REQUIRED FOR USE WITH VFD.

CONTROL PANEL TO FIRE SYSTEM
Responsibility: CERTIFIED INSTALLER



JOB NO 8562170 | MODEL NUMBER SC-311110MA | JOB NAME Teriyaki Madness – Apple Vall... | DRAWN BY | DATE 3/16/2026 | SCHEMATIC TYPE INSTALL | DWG NO ECP #1-3

DESCRIPTION OF OPERATION: Fire System #1 TMM FS – 40/45 Tank-based Fire Protection System equipped with Electronic Detection utilizing CORE board as a Linked Release Mechanism. Installed in Hood Utility Cabinet with integral hood prewire panel.

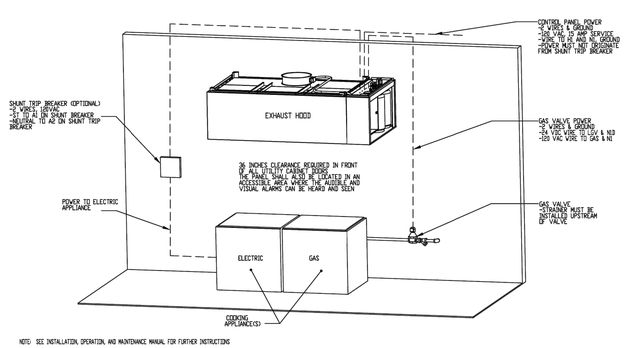
TANK PROTECTION ELECTRICAL DETAIL

02/10/2021 Rev. 2

FS-1: MASTER

ELECTRICIAN:
1. VERIFY MAIN CONTROL PANEL PER INCLUDED SCHEMATIC
2. WIRE ALL FANS PER INCLUDED SCHEMATIC
3. WIRE SHUNT TRIP BREAKER (OPTIONAL)
4. WIRE GAS APPLIANCE KILL SWITCH, IF EQUIPPED (OPTIONAL)
5. WIRE GAS VALVE

ELECTRICAL CONTRACTOR REQUIREMENT					
ITEM	CONNECTION IN PANEL	CONNECTION IN DEVICE	VOLTAGE	AMPERAGE	COMMENTS
SHUNT TRIP BREAKER (OPTIONAL)	ST & N1	BREAKER COIL (A1 & A2)	120 VAC	< 4 AMPS	ST TO A1 ON SHUNT BREAKER COIL, AND NEUTRAL TO A2 ON SHUNT TRIP BREAKER COIL
CONTROL PANEL POWER	H1 & N1 + GROUND	CIRCUIT BREAKER	120 VAC	15 AMPS	CONTROL PANEL POWER MUST NOT BE RUN THROUGH SHUNT TRIP BREAKER
UDS APPLIANCE KILL SWITCH (OPTIONAL)	KTS & N1	KTS & N1	120 VAC	< 4 AMPS	KILL SWITCH TERMINALS MUST BE IN SERIES WITH OTHER KILL SWITCHES
REMOTE 120VAC ANSUL AUTOMAN (OPTIONAL)	AUL, AUZ	SOLENOID	120 VAC	< 6 AMPS	120V TO AUL, AUZ TO ANSUL ELECTRIC AUTOMAN, ANSUL SOLENOID TO NEUTRAL
GAS VALVE	LGV & N1S (IF 24 VDC) GAL & N1 (IF 120 VAC)	RED/RED/GREEN	24 VDC OR 120 VAC	< 1.0 AMPS	IF 24 VDC – 2 WIRES & GROUND: NOT TO RED: LGV TO RED, AND GREEN TO GROUND IF 120 VAC – 2 WIRES & GROUND GAL TO RED, N1 TO RED, AND GREEN TO GROUND



NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

JOB NO 8562170 | MODEL NUMBER SC-311110MA | JOB NAME Teriyaki Madness – Apple Vall... | DRAWN BY | DATE 3/16/2026 | SCHEMATIC TYPE INSTALL | DWG NO ECP #1-4

DESCRIPTION OF OPERATION: Fire System #1 TMM FS – 40/45 Tank-based Fire Protection System equipped with Electronic Detection utilizing CORE board as a Linked Release Mechanism. Installed in Hood Utility Cabinet with integral hood prewire panel.

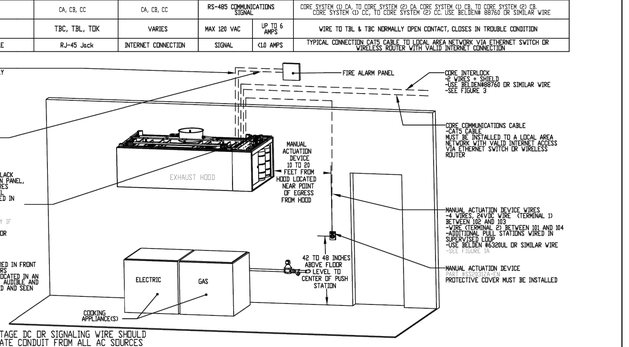
TANK PROTECTION LOW-VOLTAGE DETAIL

10/01/2023 Rev. 3

FS-1: MASTER

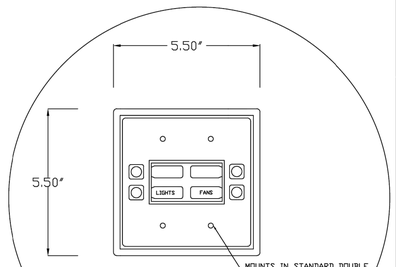
ALARM CONTRACTOR:
1. WIRE MANUAL ACTUATION DEVICE(S), REMOTE FIRESTAT(S), CORE INTERLOCK(S), FIRE SENSOR(S) AND FIRE ALARM CONTACTS
2. COMPLETE FINAL HOOKUP OF SYSTEM
3. VERIFY FINAL FIRE SYSTEM TEST
REMOTE FIRESTAT(S) MAYBE BE REQUIRED DEPENDING ON THE DUCT LAYOUT AND HOOD TEMPERATURE RATING REFERENCE MANUAL FOR LOCATION AND GUIDELINES.

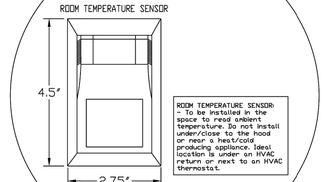
ALARM CONTRACTOR REQUIREMENT					
ITEM	CONNECTION IN PANEL	CONNECTION IN DEVICE	VOLTAGE	AMPERAGE	COMMENTS
MANUAL ACTUATION DEVICE(S)	101 AND 104 102 AND 103	1 & 2	24 VDC	< 1.0 AMPS	WIRE MANUAL ACTUATION DEVICE TERMINAL 1 BETWEEN CORE PANEL TERMINALS 102 AND 103 WIRE MANUAL ACTUATION DEVICE TERMINAL 2 BETWEEN CORE PANEL TERMINALS 101 AND 104 JUMPER 101 TO 104 AND 102 TO 103 ONLY IF MANUAL ACTUATION DEVICE IS INSTALLED
MANUAL ACTUATION DEVICE COVER	N/A	N/A	N/A	N/A	MANUAL ACTUATION DEVICE COVER MUST BE INSTALLED. PN SIMILAR MODELS: USE COVER PART NUMBER TFT-MSCG
REMOTE FIRESTAT SENSOR(S)	J1 AND J4 J2 AND J3	BLACK AND WHITE	24 VDC	< 1.0 AMPS	WIRE FIRE SENSOR WHITE WIRES BETWEEN HOOD CORE PANEL TERMINALS J2 AND J3 WIRE FIRE SENSOR BLACK WIRE BETWEEN HOOD CORE PANEL TERMINALS J1 AND J4 HIGH TEMP (DUCT): 8445605257170 (WHT) & 8445605257188 (BLK)MKT 3K SIMILAR ONLY IF RAN IN WIRE OTHERWISE BELDEN 84060, OR SIMILAR PLENUM RATED WIRE. SEE FIGURE 1
FIRE ALARM CONTACT	AL1, AL2	VARIES	50V MAX (RESIS)	UP TO 1 AMP	FIRE ALARM RELAY CONTACTS FOR BUILDING FIRE ALARM LOCATED IN THE CORE ELECTRICAL CONTROL PANEL
CORE INTERLOCK(S)	CA, CB, CC	CA, CB, CC	RS-485 COMMUNICATIONS SIGNAL		CORE SYSTEM J11 CA TO CORE SYSTEM J2 CA, CORE SYSTEM J11 CB, TO CORE SYSTEM J2 CB CORE SYSTEM J11 CC, TO CORE SYSTEM J2 CC. USE BELDEN 88930 OR SIMILAR WIRE
TROUBLE CONTACT	TBC, TBL, TBK	VARIES	MAX 120 VAC	UP TO 6 AMPS	WIRE TO TBL & TBC NORMALLY OPEN CONTACT, CLOSES IN TROUBLE CONDITION
CORE COMMUNICATIONS CABLE	RJ-45 Jack	INTERNET CONNECTION	SIGNAL	<1.0 AMPS	TYPICAL CONNECTION CAT5 CABLE TO LOCAL AREA NETWORK VIA ETHERNET SWITCH OR WIRELESS ROUTER WITH VALID INTERNET CONNECTION



ATTENTION: LOW-VOLTAGE DC OR SIGNALING WIRE SHOULD BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES

NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS





REVISIONS

	DESCRIPTION	DATE:
1		
2		
3		
4		

CAPTIVE-AIRE
Denver Office
5540 Legacy Circle, Building 5, Suite B, Centennial, CO. 80112 PHONE: (720) 570 - 0981 FAX: 9192275999 EMAIL: reg42@captiveaire.com
www.captiveaire.com

Teriyaki Madness – Apple Valley, CA
APPLE VALLEY, CA, 92307
7300 S Alton Way Building 5, Suite B

DATE: 3/16/2026
DWG.#: 8562170
DRAWN BY: AC
SCALE: 3/4" = 1'–0"
MASTER DRAWING
SHEET NO. 7

SARGENTI
5540 LEGACY CIRCLE - STE D230, PLANO, TX 75024
T|972.521.9150 ✱ WWW.SARGARCH.COM

CONSULTANT:
GEMINI ENGINEERING GROUP
Angela Hawkins, P.E. CA-M42738
101 Nightinger Lane
Millsap, TX 76066
(817) 672-7562

DRAWING SEAL:
LICENSED PROFESSIONAL ENGINEER ANGELA HAWKINS M 42738 MECHANICAL STATE OF CALIFORNIA
06/09/2026

CONTRACTOR'S NOTES:
WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS

LOCATION:
TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: OH REVIEWED BY: AH

TITLE:
HOOD DRAWINGS

SHEET NUMBER:
M206

STATE OF CALIFORNIA
Mechanical Systems
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-E
This document is used to demonstrate compliance for mechanical systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.4, or §141.0(b)2 for alterations.	
Project Name: Teriyaki Madness- Apple Valley	**Report Page:** (Page 1 of 12)
Project Address: 12218 Apple Valley Road, Suite 108, Apple Valley, CA 92308	**Date Prepared:** 2026-04-07T13:44:23-04:00

A. GENERAL INFORMATION

01	Project Location (city)	Apple Valley	04	Total Conditioned Floor Area	1110
02	Climate Zone	14	05	Total Unconditioned Floor Area	0
03	Occupancy Types Within Project:		06	# of Stories (Habitable Above Grade)	1

● Restaurant

B. PROJECT SCOPE

This table Includes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.4, §170.2(b) or §141.0(b)2 and §180.2(b)2 for alterations.

01 Air System(s)	02 Wet System Components	03 Dry System Components
☒ Heating Air System	☐ Water Economizer	☒ Air Economizer
☒ Cooling Air System	☐ Pumps	☐ Electric Resistance Heat
☒ Ventilation (including DOAS, ERV, HRV systems)	☐ System Piping	☒ Fan Systems
Mechanical Controls	☐ Cooling Towers	☒ Ductwork (existing to remain, altered or new)
	☐ Chillers	
☒ Mechanical Controls (existing to remain, altered or new)	☐ Boilers	☐ Zonal Systems/ Terminal Boxes

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D., or the table indicated as not compliant for guidance.

01		02		03		04		05		06		07		08	09
System Summary §110.1, §110.2, §140.4, §170.2(c), §141.0(b), §180.2(b2)	AND	Pumps §140.4(k), §170.2(c)4I	AND	Fans/Economizers §140.4(c), §140.4(e), §140.4(p), §170.2(c)	AND	System Controls § 110.2, §120.2, §140.4(f), §140.4(r), §170.2(c)	AND	Ventilation §120.1, §160.2	AND	Terminal Box Controls §140.4(d), §170.2(c)4B	AND	Distribution §120.3, §140.4(l), §160.2, §160.3, §141.0(b)2D, §180.2(b)2Bi	AND	Cooling Towers §110.2(e)2	Compliance Results
(See Table F)		(See Table G)		(See Table H)		(See Table I)		(See Table J)		(See Table K)		(See Table L)		(See Table M)	
Yes	AND		AND	Yes	AND	Yes	AND	Yes	AND		AND	Yes	AND		COMPLIES with Exceptional Conditions
Mandatory Measures Compliance (See Table Q for Details)														COMPLIES	

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

The permit applicant has indicated on Table J that ventilation calculations have been attached or included elsewhere on the plans.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

Space Conditioning System Information

01 System Name	02 Quantity	03 System Serving	04 System Status	05 Space Type	06 Utilizing Recovered Heat
RTU-1	1	Single zone	New	All Other Occupancies	☐
RTU-2	1	Single zone	New	All Other Occupancies	☐

Dry System Equipment Sizing (includes air conditioners, condensers, heat pumps, VRF, furnaces and unit heaters and DOAS systems)

01	02	03	04	05	06	07	08	09	10	11
Name or Item Tag	Equipment Category per Tables 110.2, §140.4(a)2 and 170.2(c)3aii	Equipment Type per Tables 110.2 and Title 20	Smallest Size Available [1] §140.4(a) and §170.2(c)1	Equipment Sizing per Mechanical Schedule (kBtu/h) §140.4(a&b), §170.2(c)1 & §170.2(c)2						
				Heating Output [2,3]			Cooling Output [2,3]		Load Calculations [3,4]	
				Per Design (kBtu/h)	Rated (kBtu/h)	Supp. Heating Output (kBtu/h)	Sensible Per Design (kBtu/h)	Rated (kBtu/h)	Total Heating Load (kBtu/h)	Total Sensible Cooling Load (kBtu/h)
RTU-1	Furnace + AC (split or packaged)	AC, air cooled, single pkg + warm-air central furnace, gas-fired	Yes	56	56	0	36	36	56	36
RTU-2	Furnace + AC (split or packaged)	AC, air cooled, single pkg + warm-air central furnace, gas-fired	Yes	91	91	0	72	72	91	72

[1] *FOOTNOTES: Equipment shall be the smallest size, within the available options of the desired equipment line, necessary to meet the design heating and cooling loads of the building per §140.4(a) and §170.2(c)1. Healthcare facilities are excepted.*
[2] *It is common practice to show rated output capacity on the equipment schedule. Sensible cooling output comes from specification sheet tables.*
[3] *If equipment is heating only, leave cooling output and load blank. If equipment is cooling only, leave heating output and load blank.*
[4] *Authority Having Jurisdiction may ask for load calculations used for compliance per §140.4(b) and §170.2(c).*

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

Dry System Equipment Efficiency (other than Package Terminal Air Conditioners (PTAC) and Package Terminal Heat Pumps (PTHP), DX-DOAS and Dual Fuel Heat Pumps)

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Size Category (Btu/h)	Heating Mode				Cooling Mode			
		Rating Condition (°F)	Efficiency Unit	Minimum Efficiency Required per Tables 110.2 / Title 20	Design Efficiency	Refrigerant Loop Heat Recovery	Efficiency Unit	Minimum Efficiency Required per Tables 110.2 / Title 20	Design Efficiency
RTU-1	<65kBtuh cooling/ <225kBtuh heating		AFUE	0.8	0.8		EER	FederalMinimum	12
							SEER	FederalMinimum	14
RTU-2	>=65kBtuh cooling/ <225kBtuh heating		AFUE	0.8	0.8		EER	11	11
							IEER	0	15.4

Mechanical Heat Recovery §140.4(s)

01	02	03	04	05	06	07
Name or Item Tag	Coincident Peak Cooling Load of All High Load Spaces (kBtu/h)	Design Capacity of All Mechanical Cooling Systems[2] (kBtu/h)	Design Capacity of All Service Water Heating Systems[1] (kBtu/h)	Design Capacity for all space heating systems (kBtu/h)	Simultaneous Mechanical Heat Recovery	
RTU-1 & RTU-2	108	108	398	147	Not Required	

[1] *FOOTNOTES: Excluding systems expected to operate less than 5 hours per week.*
[2] *FOOTNOTES: If the design includes capacity for future cooling systems, then assume 20% of future systems serve high load spaces.*

G. PUMPS

This section does not apply to this project.

H. FAN SYSTEMS & AIR ECONOMIZERS

This table is used to demonstrate compliance with prescriptive requirements found in §140.4(c), §140.4(e), §140.4(m), §170.2(c)3, and §170.2(c)4A for fan systems. Fan systems serving only process loads are exempt from these requirements and do not need to be included in Table H.

System Name	RTU-1 Supply Fan	Quantity	1	Fan System Status	New	System Zoning	all other systems	Serving Dwelling Units?	Not Serving Dwelling Units	Fan System Airflow (cfm)	1,200	Site Elevation	3,000	Economizer	Fixed Temperature
01	02	03	04			05		06	07	08	09			10	11

Fan Name or Item Tag	Fan Type	Qty	Component	Airflow through Component (%)	Water Gauge (w.g)	Allowance		Design Electrical Input Power Method	Motor Nameplate Horsepower	Fan Electrical Input Power (kW)
						Component Allowance (watt/cfm)	Fan Allowance (watt/cfm)[3]			
RTU-1 Supply Fan	Supply	1	Hydronic/DX cooling coil or heat pump coil	100		0.139	0.474	Manufacturer provided		0.71
			Economizer Return Damper	100		0.046				
			Gas heat	100		0.058				
			MERV 13-16 Filter downstream of thermal conditioning equipment	100		0.231				
Supply Fan Base Allowance (watt/cfm)			Exhuast/Return/Relief/Transfer Fan Base Allowance(watt/cfm)			Fan System Allowance (kW)[3]			Fan System Electrical Input Power (kW)	0.71

H. FAN SYSTEMS & AIR ECONOMIZERS

System Name	RTU-2 Supply Fan	Quantity	1	Fan System Status	New	System Zoning	all other systems	Serving Dwelling Units?	Not Serving Dwelling Units	Fan System Airflow (cfm)	2,400	Site Elevation	3,000	Economizer	Fixed Temperature
01	02	03	04			05		06	07	08	09			10	11

Fan Name or Item Tag	Fan Type	Qty	Component	Airflow through Component (%)	Water Gauge (w.g)	Allowance		Design Electrical Input Power Method	Motor Nameplate Horsepower	Fan Electrical Input Power (kW)
						Component Allowance (watt/cfm)	Fan Allowance (watt/cfm)[3]			
RTU-2 Supply Fan	Supply	1	Hydronic/DX cooling coil or heat pump coil	100		0.139	0.474	Manufacturer provided		1.69
			Economizer Return Damper	100		0.046				
			Gas heat	100		0.058				
			MERV 13-16 Filter downstream of thermal conditioning equipment	100		0.231				
Supply Fan Base Allowance (watt/cfm)		0.232	Exhuast/Return/Relief/Transfer Fan Base Allowance(watt/cfm)		0	Fan System Allowance (kW)[3]		1.69	Fan System Electrical Input Power (kW)	1.69

[1] *FOOTNOTES: Fans serving spaces with design background noise goals below NC35*
[2] *Low-turndown single-zone VAV fan system must be capable of and configured to reduce airflow to 50 percent of design airflow and use no more than 30 percent of the design wattage at that airflow. No more than 10 percent of the design load served by the equipment shall have fixed loads.*
[3] *Fan system allowance includes fan system base allowance.*
[4] *Filter pressure loss can only be counted once per fan system.*
[5] *Complex Fan System means a fan system that combines a single cabinet fan system with other supply fans, exhaust fans, or both.*
[6] *Computer room economizers must meet requirements of §140.9(a) and will be documented on the NRCC-PRC-E document..*

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101 Nightlinger Lane
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DRAWING SEAL:
LICENSED PROFESSIONAL ENGINEER
ANGELA N. HAWKINS
M 42738
MECHANICAL
STATE OF CALIFORNIA
06/09/2026

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: OH
REVIEWED BY: AH

TITLE:

ENERGY FORMS

SHEET NUMBER:

M300

H. FAN SYSTEMS & AIR ECONOMIZERS

[7] Indoor fans meeting the requirements of 140.4(a)3D shall turn off when there is no demand for heating or cooling in the space. At 66% air flow the power draw shall be no more than 51% of the fan power at full fan speed and at 33% airflow the power draw shall be no more than 12% of the fan power at full fan speed.

H. EXHAUST AIR HEAT RECOVERY 140.4(q), 170.2(c)4O

01	02	03	04	05	06	07	08	09	10	11
Fan System Name	Qty	Hours of Operation per Year	Design Supply Airflow Rate	Outdoor Airflow	% Outdoor Air at Full Design Airflow	Exemptions to Exhaust Air Heat Recovery Requirement per §140.4(q) & §170.2(c)4O	Exhaust Air Heat Recovery §140.4(q) & §170.2(c)4O	Type Of Heat Recovery Rating	Required Recovery Ratio	Energy Recovery Bypass
RTU-1 Supply Fan	1	< 8,000	1,200	300	25	No Exemptions Apply	Not Required			
RTU-2 Supply Fan	1	< 8,000	2,400	250	10	No Exemptions Apply	Not Required			

Fan Energy Index (FEI)

01	02	03
Name or Item Tag	FEI Exception	FEI
RTU-1 Supply Fan	Embedded Fan <5HP or <4.1kW	
RTU-2 Supply Fan	Embedded Fan <5HP or <4.1kW	

I. SYSTEM CONTROLS

This table is used to demonstrate compliance with mandatory controls in §110.2 and §120.2 and prescriptive controls in §140.4(f) and (n), §170.2(c)4D §170.2(c)4L or requirements in §141.0(b)2E §180.2(b)2 for altered space conditioning systems.

01	02	03	04	05	06	07	08	09	10	11
System Name	System Zoning	Conditioned Floor Area Being Served (ft²)	Thermostats §110.2(b) & (c)[1], §120.2(a) §160.3(a)2A or §160.3(b)8 or §141.0(b)2E & §180.2(b)2	Shut-Off Controls §120.2(e) & §160.3(a) 2D	Isolation Zone Controls §120.2(g) & §160.3(a) 2F	Demand Response §110.12 §120.2(b) & §160.3(a)2B	Supply Air Temp. Reset §140.4(f) & §170.2(c) 4D	Window Interlocks per §140.4(n) & §170.2(c)4D	Direct Digital Control (DDC) per §120.2	Heat Pump Defrost per §160.3(b)7
RTU-1	Single zone	<= 25,000 ft²	Setback + DR Tstat per §110.12	NA: 7 day per §120.2(e) 1	NA: Single Zone	DR Tstat per §110.12	NA: Single Zone	NA: No operable windows	NA: Single Zone	NA: No Heat Pump
RTU-2	Single zone	<= 25,000 ft²	Setback + DR Tstat per §110.12	NA: 7 day per §120.2(e) 1	NA: Single Zone	DR Tstat per §110.12	NA: Single Zone	NA: No operable windows	NA: Single Zone	NA: No Heat Pump

[1]FOOTNOTES: Gravity gas wall heaters, gravity floor heaters, gravity room heaters, non-central electric heaters, fireplaces or decorative gas appliances, wood stoves are not required to have setback thermostats.

J. VENTILATION AND INDOOR AIR QUALITY

This table is used to demonstrate compliance with mandatory ventilation requirements in §120.1 § 120.2(e)3B § 140.4(p) and § 140.4(q) for all nonresidential and hotel/motel and d:t24refnolink/}160.2, §160.3(a)3D, §170.2(a)4N, 170.2(a)4O for high-rise residential occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflows may be shown on the plans or the calculations can be presented in a spreadsheet.

01	☒	Check the box if the project is showing ventilation calculations on the plans, or attaching the calculations instead of completing this table.
02	☐	Check this box if the project included Nonresidential, Hotel/Motel Spaces or Multifamily Common Use Spaces
	☐	
03	☐	Check the box if the project is using natural ventilation in any nonresidential or hotel/motel spaces to meet required ventilation rates per §120.1(c)2.

K. TERMINAL BOX CONTROLS

This section does not apply to this project.

L. DISTRIBUTION (DUCTWORK and PIPING)

This table is used to show compliance with mandatory pipe insulation requirements found in §120.3 and mandatory requirements found in §120.4(g) for duct sealing.

01	☐	Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service. Insulation covering chilled water piping and refrigerant suction piping located outside the conditioned space shall have a Class I or Class II vapor retarder. All penetrations and joints of which shall be sealed.

Duct Leakage Testing

The answers to the questions below apply to the following duct systems:	Ductwork	**NR/ Common Use:** Duct leakage testing shall not exceed 6% per NA7.5.3 required for these systems?	No

L. DISTRIBUTION (DUCTWORK and PIPING)

			Dwelling Units: Total duct leakage of duct system shall not exceed 12% or duct system to outside shall not exceed 6% per RA3.1.4 required for systems?	---
			Duct leakage testing per CMC Section 603.9.2 required for these systems?	Yes
11	No	The scope of the project includes only duct systems serving healthcare facilities		
12	Yes	Duct system provides conditioned air to an occupiable space for a constant volume, single zone, space-conditioning system.		
13	Yes	The space conditioning system serves less than 5,000 ft² of conditioned floor area.		
14	No	The combined surface area of the ducts is more than 25% of the total surface area of the entire duct system:		
15	No	The scope of the project includes extending an existing duct system, which is constructed, insulated or sealed with asbestos.		
16	No	The scope of the project includes an existing duct system that is documented to have been previously sealed as confirmed through field verification and diagnostic testing in accordance with procedures in the Reference Nonresidential Appendix NA2.		
17	Yes	All Ductwork and plenums with pressure class ratings shall be constructed to Seal Class A		
18	No	All ductwork is an extension of an existing duct system		
19	No	Ductwork serving individual dwelling unit		
20		< 25 ft of new or replacement space conditioning ducts installed		
21	R-8	Duct Insulation R-value		
22	No	Ductwork Existing To Remain		
23	No	Duct System Connected To Altered Space Conditioning System		

M. COOLING TOWERS

This section does not apply to this project.

N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency-4

Form/Title
NRCI-MCH-E - Must be submitted for all buildings

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency-4

Form/Title	Systems/Spaces To Be Field Verified
NRCA-MCH-02-A - Outdoor Air	
NRCA-MCH-03-A - HVAC and Heat Pumps - Const Volume Single Zone HVAC	RTU-1; RTU-2
NRCA-MCH-05-A - Air Economizer, DOAS, HRV, & ERV Controls	RTU-1 Supply Fan; RTU-2 Supply Fan
NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance	RTU-1; RTU-2

P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no NRCV forms required for this project.

Q. MANDATORY MEASURES DOCUMENTATION LOCATION

This table is used to indicate where mandatory measures are documented in the plan set or construction documentation.

01		02
Compliance with Mandatory Measures documented through MCH Mandatory Measures Note Block	Yes	Plan sheet or construction document location
		M001

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Angela Hawkins, P.E.	Documentation Author Signature: Angela Hawkins
Company: Gemini Engineering Group	Signature Date: 06/09/2026
Address: 101 Nightlinger Lane	CEA/AEA/ECE Certification Identification (if applicable):
City/State/Zip: Millsap, TX 76066	Phone: (817) 672-7562

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Person Name: Angela Hawkins, P.E.	Responsible Person Signature: Angela Hawkins
Responsible Person Scope: Mechanical Engineer of Record	
Company: Gemini Engineering Group	Date Signed: 06/09/2026
Address: 101 Nightlinger Lane	License: M-42738
City/State/Zip: Millsap, TX 76066	Phone: (817) 672-7562

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DRAWING SEAL:

LICENSED PROFESSIONAL ENGINEER
ANGELA H. HAWKINS
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2	05/21/26	HEALTH COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: OH REVIEWED BY: AH

TITLE:

ENERGY FORMS

SHEET NUMBER:

M301

ELECTRICAL SYMBOLS LEGEND

WALL MOUNTED DUPLEX RECEPTACLE AT 18" AFF UNLESS NOTED OTHERWISE	
WALL MOUNTED QUADRAPLEX RECEPTACLE AT 18" AFF UNLESS NOTED OTHERWISE	
WALL MOUNTED 208V RECEPTACLE AT 18" AFF UNLESS NOTED OTHERWISE	
SINGLE PURPOSE SPECIAL RECEPTACLE	
CEILING MOUNTED DUPLEX RECEPTACLE	
HALF-SWITCHED DUPLEX CONVENIENCE RECEPTACLE MOUNTED AT +18" AFF TO CENTER OF BOX OR AS NOTED. COMPUTER DUPLEX RECEPTACLE AT 18" AFF TO CENTER OR AS NOTED. PROVIDE 'GRAY' OUTLET BODY WITH STANDARD COVERPLATE OUTLETS.	
GFCI RECEPTACLE. COORDINATE MOUNTING HEIGHT AND LOCATION WITH PLANS.	
FLUSH FLOOR MOUNTED DUPLEX RECEPTACLE	
WALL MOUNTED JUNCTION BOX AT 18" AFF UNLESS NOTED OTHERWISE	
FLUSH FLOOR MOUNTED JUNCTION BOX	
DISCONNECT SWITCH IN NEMA ENCLOSURE - SIZE AS INDICATED ON PLANS	
FUSED DISCONNECT SWITCH IN NEMA ENCLOSURE - SIZE AS INDICATED ON PLANS	
WALL MOUNTED VOICE/DATA OUTLET AT 18" AFF UNLESS NOTED OTHERWISE	
WALL MOUNTED VOICE OUTLET AT 18" AFF UNLESS NOTED OTHERWISE	
WALL MOUNTED DATA OUTLET AT 18" AFF UNLESS NOTED OTHERWISE	
FLUSH FLOOR MOUNTED VOICE/DATA OUTLET	
FLUSH FLOOR MOUNTED DATA OUTLET	
FLUSH FLOOR MOUNTED VOICE OUTLET	
TELEVISION OUTLET, COAX CABLE IN 1"C, 4" SQUARE BOX WITH SINGLE DEVICE RING PLATE. MOUNT BOTTOM OF JUNCION BOX AT 16" AFF, UNO	
LOW VOLTAGE TRANSFORMER	
PUSH BUTTON	
THERMOSTAT	
MOTOR RATED SWITCH	
SINGLE POLE TOGGLE SWITCH	
OCCUPANCY SENSOR SWITCH	
OCCUPANCY SENSOR/DIMMER SWITCH	
LV DIMMER SWITCH	
LV CEILING MOUNT OCCUPANCY SENSOR	
DUCT SMOKE DETECTOR	
SURFACE MOUNTED 120/208V PANEL - 3'-0" CLEARANCE IN FRONT OF PANEL PER CEC	
RECESSED MOUNTED 120/208V PANEL - 3'-0" CLEARANCE IN FRONT OF PANEL PER CEC	
SURFACE MOUNTED 277/480V PANEL - 3'-0" CLEARANCE IN FRONT OF PANEL PER CEC	
RECESSED MOUNTED 277/480V PANEL - 3'-0" CLEARANCE IN FRONT OF PANEL PER CEC	
MAIN SWITCHBOARD OR DISTRIBUTION PANEL - VERIFY VOLTAGE ON RISER DIAGRAM	
PHONE BOARD	
INVERTER AS SPECIFIED ON PLAN	
BUCK BOOST TRANSFORMER	
STEP DOWN TRANSFORMER - SIZE AS INDICATED ON PLANS	
GROUND	
INDICATES HOMERUN	
INDICATES CIRCUIT CONTINUATION	
INDICATES GROUND WIRE	
INDICATES HOT WIRE	
INDICATES NEUTRAL WIRE	
INDICATES SWITCHLEG	
CO2 SENSOR	
X-YY	PANEL-CIRCUIT NUMBER

NOTE: NOT ALL SYMBOLS OR ABBREVIATIONS MAY APPEAR ON PLANS.
DIMENSION ARE TO CENTER OF DEVICE UNLESS NOTED OTHERWISE.

ABBREVIATIONS

#AF	SIZE INDICATED AMP FUSED
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLER UNIT
C/B	CIRCUIT BREAKER
#AS	SIZE INDICATED AMP SWITCH
#AS	SIZE INDICATED AMP SWITCH
CKT	CIRCUIT
CKT	CIRCUIT
CU	CONDENSING UNIT
DED	DEDICATED
EC	ELECTRICAL CONTRACTOR
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
EM	EMERGENCY
ETR	EXISTING TO REMAIN
EX	EXISTING TO REMAIN
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HP	HORSEPOWER
IG	ISOLATED GROUND
LL	LANDLORD
LTG	LIGHTING
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPACITY
MOCP	MAXIMUM OVERCURRENT PROTECTION
NF	NON-FUSED
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NTS	NOT TO SCALE
OS	OCCUPANCY SENSOR
PC	PLUMBING CONTRACTOR
PNL	ELECTRICAL PANEL
PWR	POWER
QUAD	QUADRAPLEX RECEPTACLE
R	RELOCATED
RTU	ROOF TOP UNIT
T/C	TIMECLOCK
TEN	TENANT
TGC	TENANT GENERAL CONTRACTOR
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
WP	WEATHER PROOF
XFMR	TRANSFORMER

FIELD VERIFY ALL CONDITIONS

DESIGN DRAWINGS ARE SCHEMATIC. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING OR AWARD OF CONTRACT TO INSPECT EXISTING FIELD CONDITIONS. THE CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS.

THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTOR'S COST.

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES. THE PLANS AND SPECIFICATIONS NOT WITHSTANDING, THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

ELECTRICAL CONTRACTOR SHALL VERIFY EXACT AMP DRAW ON ALL EXISTING CIRCUITS/PANELS TO BE REVISED TO ENSURE OVERLOADING CONDITION DOES NOT OCCUR PRIOR TO ADDING ADDITIONAL ITEMS TO CIRCUITS/PANELS.

LIGHT FIXTURE SCHEDULE

MARK	SYMBOL	MODEL NUMBER	FIXTURE DESCRIPTION	VOLTAGE	LAMP	WATTAGE	MOUNTING	NOTES
A		BASELITE: W516/63/12'BLC NOTE: PROVIDE 20W MAX RE-LAMPING LABEL	PENDANT AREA LIGHT	120	LED	-	PENDANT	1,3,4,6
-	-	GREEN CREATIVE: 11A19DIM/9CCTS 38347	LAMP FOR PENDANT AREA LIGHT	120	LED	11W	-	1,3,4,6
CB		NORA: (HOUSING) NHIC-6LMRAT, (TRIM) NLCBC2-651-30-BB/10	6" DOWNLIGHT BLACK TRIM	120	LED	12W	RECESSED	1,3,4,6
CW		NORA: (HOUSING) NHIC-6LMRAT, (TRIM) NLCBC2-651-30-WW/10	6" DOWNLIGHT WHITE TRIM	120	LED	12W	RECESSED	1,3,4,6
C1		NORA: (HOUSING) NHIOICD-48-LE3, (TRIM) NIO-4RC-30X-WW/10	4" WALL WASH DOWNLIGHT WITH DIFFUSE LENS	120	LED	14W	RECESSED	1,3,4,6
C4		CONTECH: (TRACK HEAD) CTL9051-F-3C-D-B	WALL WASH TRACK HEAD WITH BLACK FINISH	120	LED	9W	TRACK	1,3,4
TRACK / CL		CONTECH: (TRACK) LT-4-B/LT-8-B, (CURRENT LIMITER) LA-23T-RN-B/REGX	TRACK AND CURRENT LIMITER	120	LED	-	SURFACE	1,3,4,7
G		ARCHIPELAGO: LBLP24-Q53	2'X4' LED TROFFER	120	LED	25W	RECESSED	1,3,4,6,8
G-E		ARCHIPELAGO: LBLP24-Q53-EM08	2'X4' LED TROFFER	120	LED	25W	RECESSED	1,2,3,4,6,8
H		BEST LIGHTING: SL-4FT-5L-LKFS	4' STRIP	120	LED	35W	SURFACE	1,3,4
J		AMERICAN LIGHT: (FIXTURE) HTL-WW, (CHANNEL) PE-AA2-1M, (CONNECTOR) TL-2SPL-HD	8' LED TAPE	120	LED	4.6W/FT	SURFACE	1,3,4
EM		BEST LIGHTING: EMB BLACK HOUSING	EMERGENCY LIGHTING UNIT	120	LED	3W	SURFACE	1,2,3,4,5
X		BEST LIGHTING: LEDCXTEU-2-R-B-RC-NH	EXIT LIGHT	120	LED	4W	SURFACE	1,2,3,4
X1		BEST LIGHTING: DBEL-ACEM-HL-B-SDT-PC-CW-CEC	2-HEAD EXTERIOR EMERGENCY LIGHTING UNIT	120	LED	12W	SURFACE	1,2,3,4
X2		BEST LIGHTING: LEDCXTEU-2-R-B	COMBO EXIT LIGHT WITH EMERGENCY HEADS	120	LED	4W	SURFACE	1,2,3,4

NOTES:
1. FIXTURES INDICATED ARE PART OF NATIONAL ACCOUNT PACKAGE. FOR SPECIAL NATIONAL PRICING CONTACT DAVID DENEEFEE WITH HERMITAGE LIGHTING AT (251)604-1452. *GENERAL CONTRACTOR TO CONTACT HERMITAGE LIGHTING PRIOR TO INSTALLATION TO OBTAIN FINAL LIGHTING QUOTE BASED OFF APPROVED CONSTRUCTION DRAWINGS*
2. 90 MINUTE MINIMUM UL924 BATTERY BACKUP.
3. LIGHT FIXTURES TO BE PROVIDED BY EC AND PURCHASED THROUGH CORPORATION VENDOR. COORDINATE WITH GC.
4. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR RECEIVING, STORING AND INSTALLING LIGHT FIXTURES AND LAMPS. ELECTRICAL CONTRACTOR SHALL REPORT ANY DAMAGE OR MISSING PARTS FOR LIGHT FIXTURES TO LIGHTING SUPPLIES WITHIN 48 HOURS OF RECEIVING LIGHT FIXTURES.
5. EMERGENCY LIGHTING UNITS IN DINING AREAS SHALL BE INSTALLED AT 9'-0" AFF AND RESTROOM EMERGENCY LIGHTING UNITS SHALL BE MOUNTED AT 8'-0" AFF UNLESS NOTED OTHERWISE.
6. PROVIDE FIXTURE WITH DIMMABLE DRIVER COMPATIBLE WITH DIMMING CONTROL.
7. REFER TO LIGHTING PLAN FOR AMPERAGE RATING OF CURRENT LIMITER.
8. FIXTURES SHALL BE SHATTERPROOF.

GENERAL NOTES:
a. ALL FIXTURES QUANTITIES, LOCATIONS AND MODEL NUMBERS SHALL BE COORDINATED WITH THE ARCHITECTURAL PLANS PRIOR TO ORDERING. DO NOT ORDER FROM THESE PLANS.
b. ENSURE ALL LIGHTING EXPOSED TO PLENUM IS PLENUM RATED. CONTACT ARCHITECT/ENGINEER FOR ANY DISCREPANCIES.

ELECTRICAL CODES

- 2025 CALIFORNIA ELECTRICAL CODE (CEC), TITLE 24, PART 3
- 2025 CALIFORNIA ENERGY CODE, TITLE 24, PART 6

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DRAWING SEAL:

LICENSED PROFESSIONAL ENGINEER · CLAYTON LUCAS · E 24065 · ELECTRICAL · STATE OF CALIFORNIA
06/09/2026

CONTRACTOR'S NOTES:
WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AEB REVIEWED BY: CL

TITLE:
ELECTRICAL SYMBOLS AND ABBREVIATIONS

SHEET NUMBER:
E001

ELECTRICAL SPECIFICATIONS:

BASIC MATERIALS AND METHODS

1.0 NAMEPLATES

1.1 GENERAL: FURNISH AND MOUNT ON EACH PANEL BOARD/SWITCHBOARD (INCLUDING BRANCH SWITCHES), LARGE JUNCTION BOX, SAFETY SWITCH, STARTER, REMOTE CONTROL, PUSHBUTTON STATION, AND ALL SIMILAR CONTROLS A NAMEPLATE DESCRIPTIVE OF THE EQUIPMENT OR EQUIPMENT CONTROLLED.

1.2 PROVIDE BLACK AND WHITE NAMEPLATES CONSTRUCTED FROM LAMINATED PHENOLIC WITH A WHITE CENTER CORE. LETTERS SHALL BE ENGRAVED IN THE PHENOLIC TO FORM WHITE LETTERS 3/8" HIGH. FASTEN THE NAMEPLATES WITH SCREWS AND ADHESIVE FASTENER.

2.0 MOUNTING ACCESSORIES

2.1 THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL ANGLE IRON, CHANNEL IRON, RODS, SUPPORTS, HANGERS, CONCRETE OR PLYWOOD REQUIRED TO INSTALL, MOUNT AND SUPPORT ANY ELECTRICAL EQUIPMENT OR DEVICE CALLED FOR ON THE PLANS.

2.2 SUPPORTING MATERIAL SHALL BE COMPLETE WITH HANGERS, CONNECTORS, BOLTS, CLAMPS, AND NECESSARY ACCESSORIES TO MAKE A COMPLETE INSTALLATION. SUPPORTING MATERIAL SHALL BE GALVANIZED, PAINTED OR OTHERWISE SUITABLY FINISHED. PRODUCTS BY BINKLEY, STEEL CITY OR RACO WILL BE ACCEPTABLE.

2.3 ALL SURFACE-MOUNTED EQUIPMENT ON BLOCK WALLS SHALL BE MOUNTED ON 3/4" PLYWOOD BACKBOARD. ALL FLOOR-MOUNTED EQUIPMENT SHALL BE INSTALLED ON A 4" HIGH CONCRETE PAD.

3.0 EXECUTION

3.1 THE ELECTRICAL WORK FOR CONSTRUCTION PURPOSES SHALL CONFORM TO ALL FEDERAL (OSHA), STATE, ALL SPECIFIC SAFETY REQUIREMENTS AND THE CURRENT EDITION OF THE CEC.

3.2 CHECK THE HVAC AND PLUMBING SPECIFICATIONS FOR ELECTRICAL REQUIREMENTS AND INCLUDE THE SAME IN THE CONTRACT COST.

3.3 EQUIPMENT CONNECTIONS, STARTERS, DISCONNECT SWITCHES, CONTROL TRANSFORMERS AND PUSH-BUTTON STATIONS FOR THE EQUIPMENT FURNISHED BY THE OWNER OR UNDER A SEPARATE CONTRACT SHALL BE INSTALLED AND CONNECTED UNDER THIS DIVISION, AS INDICATED ON THE CONTRACT DRAWINGS.

3.4 ALL CUTTING, PATCHING, EXCAVATING, BACK FILLING AND CONCRETE WORK RELATED TO THIS CONTRACT WILL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. THIS CONTRACTOR SHALL ASSUME THE RESPONSIBILITY OF PROVIDING THE SLEEVES, CHASES AND OPENINGS NECESSARY FOR THE ELECTRICAL INSTALLATION AND FOR THEIR REPAIR IN AN ACCEPTABLE MANNER, AS DETERMINED BY THE ARCHITECT. ALL HOLES SHALL BE CORE-DRILLED. PROVIDE FIRE STOP IN ALL OPENINGS CREATED THROUGH FIRE-RATED WALLS, FLOORS, OR CEILINGS.

3.5 THIS CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED ACCESS PANELS NECESSARY FOR HIS WORK, COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.

4.0 MATERIALS AND WORKMANSHIP

4.1 ALL WORK SHALL BE INSTALLED IN A PRACTICAL WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE SEVERAL TRADES NECESSARY

4.2 ALL MATERIALS SHALL BE NEW AND FREE FROM DEFECTS AND SHALL BE THE BEST OF THEIR KINDS, UNLESS SPECIFIED OR INDICATED ON THE DRAWINGS TO THE CONTRARY.

4.3 DURING EACH PHASE AND AT THE COMPLETION OF THE CONSTRUCTION, THIS CONTRACTOR SHALL REMOVE ALL DEBRIS AND EXCESS MATERIALS CAUSED BY HIS WORK. HE SHALL LEAVE THE AREA OF OPERATION BROOM CLEAN.

4.4 ALL ELECTRICAL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OR ETL LABEL.

4.5 THIS CONTRACTOR SHALL GUARANTEE HIS WORKMANSHIP AND MATERIAL (LAMPS EXCEPTED) FOR A PERIOD OF ONE YEAR FROM THE DATE OF BUILDING OPENING AND LEAVE HIS WORK IN PERFECT ORDER AT THE COMPLETION. SHOULD DEFECTS DEVELOP WITHIN THE GUARANTEE PERIOD, THE CONTRACTOR SHALL, UPON NOTICE OF THE SAME, REMEDY THE DEFECTS AND HAVE ALL DAMAGES TO OTHER WORK OR FURNISHINGS CAUSED BY THE REPAIRS CORRECTED AT HIS EXPENSE TO THE CONDITION BEFORE SUCH DAMAGE.

5.0 SCOPE OF WORK

5.1 THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, STORAGE, UNPACKING AND PLACEMENT; TO INCLUDE BUT NOT BE LIMITED TO, THE FOLLOWING ITEM:

5.1a EMERGENCY LIGHTING AND POWER

5.1b COMPLETE POWER AND LIGHTING DISTRIBUTION SYSTEM INCLUDING ALL TRANSFORMERS AND FEEDERS

5.1c COMPLETE BRANCH CIRCUIT WIRING SYSTEM.

5.1d COMPLETE POWER WIRING FOR ALL AIR CONDITIONING EQUIPMENT, PLUMBING SYSTEM, HEATING EQUIPMENT, VENTILATING AND EXHAUST EQUIPMENT.

5.1e COMPLETE LIGHTING FIXTURE INSTALLATION.

5.1f COMPLETE COMMUNICATIONS CONDUIT AND WIRING SYSTEM INCLUDING BOXES, PLATES, JACKS, ETC., AS SPECIFIED, SHOWN ON THE DRAWINGS AND REQUIRED BY THE TENANT.

5.1g TEMPORARY ELECTRICAL POWER AND LIGHTING AS REQUIRED FOR CONSTRUCTION.

5.1h TESTING OF ALL CABLES AND CIRCUIT WIRING AFTER INSTALLATION.

5.1i EXIT LIGHT SYSTEM.

5.1j WIRING DEVICES AND FLOOR BOXES.

5.1k LIGHTING CONTROLS.

5.1l GROUNDING OF THE ELECTRICAL SYSTEM.

5.1m FIRE SUPERVISORY ALARM SYSTEM.

5.1n TELEPHONE AND ELECTRIC SERVICES

5.1o SOUND SYSTEM COMPONENTS, CONDUIT SYSTEM & WIRING

GROUNDING AND BONDING

1.0 GROUNDING AND BONDING

1.1 GROUND ALL EQUIPMENT PER CEC.

1.2 GROUND ALL DRY TYPE TRANSFORMERS AS PER DRAWINGS AND CEC.

1.3 ALL CONDUITS SHALL CONTAIN A CODE-SIZED GROUND WIRE SIZE PER CEC IN ADDITION TO THE CONDUCTORS SHOWN ON THE PLANS. WHERE CIRCUIT CONDUCTORS ARE INCREASED IN SIZE FOR VOLTAGE DROP, THE GROUND WIRE SIZE SHALL BE INCREASE PROPORTIONATELY.

1.4 WHERE AN ISOLATED, INSULATED GROUND IS REQUIRED A SEPARATE GREEN GROUND SHALL BE RUN FROM THE PANEL GROUND BUS TO THE ISOLATED GROUND CONNECTION OF THE DEVICE SERVED. IN NO CASE SHALL THE SYSTEM GROUND (WIRE AND ASSOCIATED OUTLET BOXES, CONDUIT AND BUILDING STEEL) BE ALLOWED TO CONTACT THE ISOLATED GROUND (GREEN WIRE AND DEVICE GROUND).

WIRE AND CABLE

1.0 WIRE AND CABLE

1.1 COLOR CODE CONDUCTORS (EXCEPT CONTROL AND INSTRUMENTATION CONDUCTORS) AS FOLLOWS:

	120/208	277/480	120/240
PHASE A	BLACK	BROWN	BLACK
PHASE B	RED	ORANGE	RED
PHASE C	BLUE	YELLOW	BLUE
NEUTRAL	WHITE	GREY	WHITE
GROUND	GREEN	GREEN	GREEN

1.1a #12 AND #10 CONDUCTORS SHALL HAVE CONTINUOUS INSULATION COLOR, AS LISTED ABOVE.

1.1b CONDUCTORS LARGER THAN ABOVE, WHICH DO NOT HAVE CONTINUOUS INSULATION COLOR SHALL BE COLOR CODED BY APPLICATION OF AT LEAST TWO LAPS OF COLORED TAPE ON EACH CONDUCTOR AT ALL POINTS OF ACCESS INCLUDING JUNCTION BOXES. COLOR TAPE SHALL BE THE EQUAL OF 3M PRODUCTS SCOTCH #35.

1.1c CONDUCTORS SHALL BE SOFT ANNEALED COPPER INSULATED FOR 600 VOLTS UNLESS SPECIFICALLY INDICATED OTHERWISE. ALUMINUM CONDUCTORS ARE NOT ALLOWED ON THIS PROJECT.

1.2 INSULATION TYPE SHALL BE TYPE THW FOR WIRE SIZES #8 AWG AND LARGER AND THHN OR THWN FOR #10AWG AND SMALLER. THHN SHALL NOT BE USED IN WET OR DAMP LOCATIONS.

1.3 PROVIDE WIRE AND RACEWAY SYSTEM AS DESCRIBED HEREIN AND AS INDICATED ON THE DRAWINGS. METAL-CLAD (MC.) ARMORED CABLE (AC) AND NON-METALLIC SHEATHED CABLE (NMC) SHALL NOT BE PERMITTED UNLESS NOTED SPECIFICALLY OTHERWISE AND APPROVED PRIOR TO BIDDING.

1.4 PROVIDE MINIMUM #12 CONDUCTORS, UNLESS OTHERWISE INDICATED.

1.4a CONTROL CONDUCTORS SHALL BE #14 MINIMUM FOR CEC CLASS 1 AND #16 FOR CEC CLASS 2.

1.5 CONDUCTORS #8 AWG AND LARGER SHALL BE STRANDED.

1.6 CONDUCTORS #10 AWG AND SMALLER SHALL BE SOLID.

1.7 INSTALL ALL WIRING IN CONDUIT.

1.8 CONNECT #10 AND SMALLER WIRES WITH CONSTANT PRESSURE EXPANDABLE SPRING TYPE CONNECTORS, "SCOTCHLOK" BY 3M OR B-CAP BY BUCHANAN.

1.9 CONNECT #8 AND LARGER WIRES WITH COMPRESSION CONNECTORS OR SPLICES AS MANUFACTURED BY BURNDY OR T&B.

1.10 INSULATE SPLICING CONNECTORS TO AT LEAST 200% OF THE WIRE INSULATION. USE PRE-STRETCHED TUBING CONNECTOR INSULATORS. 3M PST FOR #2 AND LARGER CONDUCTORS.

1.11 PULL CONDUCTORS USING RECOGNIZED METHODS AND EQUIPMENT LEAVING AS LEAST 6" WIRE AT ALL JUNCTION BOXES FOR CONNECTIONS.

1.11a CLEAN OUT EACH CONDUIT SYSTEM BEFORE PULLING WIRE.

1.12 FORM AND TIE ALL WIRING IN PANEL BOARDS.

1.13 THERE SHALL BE NO WIRE NUT JOINTS OR SPLICES MADE INSIDE SWITCHBOARDS/ PANEL BOARDS.

1.14 BRANCH CIRCUIT WIRE SIZES (AND CONDUITS) SHALL BE INCREASED FROM THOSE INDICATED ON THE PLANS TO PREVENT EXCESSIVE VOLTAGE DROP. BRANCH CIRCUITS SHALL BE INSTALLED WITH WIRES OF SUFFICIENT SIZE SO THAT VOLTAGE DROP BETWEEN THE PANEL AND THE LOADS DOES NOT EXCEED LIMIT OF 3 PERCENT.

1.15 WIRE SIZES SHALL BE BASED ON THE 60°C. AMPACITIES FOR WIRE SIZES NO. 14-1 A.W.G., AND 75°C. AMPACITIES FOR WIRE SIZES #1/0A.W.G. AND LARGER.

1.16 CIRCUITS MAY BE MULTI-PLEXED IN CONDUIT PROVIDED WIRE IS PROPERLY DERATED AND CONDUIT SIZED PER CODE. UNDER NO CIRCUMSTANCES SHALL MORE THAN (9) CURRENT CARRYING CONDUCTORS BE RUN IN A SINGLE CONDUIT.

RACEWAYS AND BOXES

1.0 RACEWAYS

1.1 ALL WIRE SHALL BE RUN IN ACCORDANCE WITH CODE IN CORROSION RESISTANT, RIGID, THREADED, METAL CONDUIT OR ELECTRICAL METALLIC TUBING (E.M.T.) UNLESS OTHERWISE SPECIFICALLY STATED HEREIN.

1.2 CONDUIT SIZE SHALL BE 3/4" MINIMUM.

1.3 CONDUIT SHALL BE SECURELY FASTENED IN PLACE.

1.4 ALL CONDUIT SHALL BE CONCEALED IN WALLS, FLOOR AND CEILINGS WHEREVER POSSIBLE. EXPOSED CONDUIT IN FINISHED AREAS WILL NOT BE PERMITTED. EXPOSED CONDUIT WILL BE PERMITTED IN UNFINISHED AREAS WITH THE SPECIFIC APPROVAL OF THE ARCHITECT.

1.5 USE FLEXIBLE CONDUIT FOR THE CONNECTION TO RECESSED OR SEMI-RECESSED LIGHTING FIXTURES (6' LENGTH MAXIMUM). USE LIQUID TIGHT METAL CONDUIT FOR ALL CONNECTIONS TO MOTORS AND OTHER EQUIPMENT SUBJECT TO VIBRATION AND IN AREAS SUBJECT TO MOISTURE.

1.6 USE WATERTIGHT JOINTS WITH BURIED AND CONCRETE ENCASED CONDUIT. ALL BURIED CONDUIT OUTSIDE OF BUILDINGS SHALL HAVE A MINIMUM OF 24" OF COVER. METAL CONDUITS BURIED IN EARTH SHALL BE PAINTED (TWO COATS) WITH HEAVY ASPHALTUM PAINT.

1.7 SUPPORT RUNS OF CONDUIT AS DETAILED IN THE APPROPRIATE TABLE OF THE CALIFORNIA ELECTRICAL CODE (CEC).

1.8 INSTALL EXPOSED RUNS OF CONDUIT AND CONDUIT ABOVE LAY-IN CEILING PARALLEL OR PERPENDICULAR TO THE WALLS, STRUCTURAL MEMBERS OF INTERSECTIONS OF VERTICAL PLANES AND CEILINGS. PROVIDE RIGHT ANGLE TURNS USING FITTINGS OR SYMMETRICAL BENDS. SUPPORT CONDUITS WITHIN 1" OF ALL CHANGES IN DIRECTION.

1.9 IF A CONDUIT IS SUSPENDED, IT SHALL BE SUPPORTED ON TRAPEZE HANGERS WHICH USE "ALL-THREAD" RODS FROM THE STRUCTURAL STEEL. THE USE OF CEILING SUPPORT WIRE OR SIMILAR MATERIAL WILL NOT BE ACCEPTED.

1.10 INSTALL EMPTY CONDUIT FOR FUTURE USE AS INDICATED ON THE DRAWINGS. CONDUIT SHALL BE COMPLETE WITH JETLINE OR PULL ROPE, JUNCTION/OUTLET BOXES, TILE RINGS AND APPROPRIATE COVER PLATES.

1.11 PROVIDE PITCH POCKETS WHERE CONDUITS PENETRATE THE ROOF.

1.12 THREAD LUBRICATION/SEALANT IS REQUIRED ON OUTDOOR AND UNDERGROUND THREADED METAL JOINTS.

1.13 INSTALL FIRE SEAL FITTINGS WHERE CONDUITS PENETRATE CONCRETE FLOOR SLABS OR MASONRY WALLS REQUIRED TO BE FIRE RATED.

1.14 HORIZONTAL PORTION OF CONDUIT EXPOSED ON THE ROOF AND FEEDING EQUIPMENT SHALL NOT BE MORE THAN 5'-0" UNLESS THE WRITTEN APPROVAL FROM ARCHITECT OR ENGINEER IS OBTAINED.

2.0 PULL AND JUNCTION BOXES

2.1 INSTALL PULL AND JUNCTION BOXES WHERE SHOWN ON THE DRAWINGS, AND WHERE REQUIRED FOR CHANGES IN DIRECTION, AT JUNCTION POINTS, AND TO FACILITATE WIRE PULLING. FURNISH BOX SIZES IN ACCORDANCE WITH CEC UNLESS LARGER BOXES ARE INDICATED.

2.2 PROVIDE STEEL BOXES AND REMOVABLE COVERS OF CODE GAGE, HOT ROLLED SHEET STEEL, HOT DIPPED GALVANIZED INSIDE AND OUTSIDE, FOR ABOVE GROUND WORK. FURNISH WEATHERPROOF BOXES WHEN INSTALLED ABOVE GROUND OUTSIDE.

2.3 PROVIDE CAST IRON BOXES, HOT DIPPED GALVANIZED INSIDE AND OUTSIDE WHERE SHOWN ON THE DRAWINGS. FURNISH REMOVABLE COVERS WITH GASKETS AND STAINLESS STEEL, BRASS OR BRONZE SCREWS.

2.4 PROVIDE CONCRETE BOXES FOR UNDERGROUND WORK UNLESS OTHERWISE INDICATED ON THE DRAWINGS. FURNISH STEEL FRAMES AND COVERS WITH THE COVER ATTACHED TO THE FRAME WITH HEXAGON HEAD, BRASS OR BRONZE CAP SCREWS, 3/8" IN DIAMETER. PROVIDE A RUBBER GASKET FOR SEALING BETWEEN THE COVER AND THE FRAME. PAINT THE COVER WITH TWO COATS OF HEAVY ASPHALTUM.

3.0 OUTLET BOXES

3.1 USE SHEET STEEL BOXES, ZINC COATED OR CADMIUM PLATED, FOR CONCEALED INTERIOR WORK.

3.2 USE CAST BOXES, ZINC-CADMIUM FINISH MALLEABLE IRON, FOR EXPOSED INTERIOR WORK, AND FOR EXPOSED OR CONCEALED WORK IN WET, DAMP OR EXTERIOR LOCATIONS. CAST BOXES SHALL BE SERIES FD BY CROUSE HINDS OR APPLETON.

3.3 WALL BOX SIZES (MINIMUM) SHALL BE 4" SQUARE X 2-1/2" DEEP WHERE WALL CONSTRUCTION PERMITS. WHERE WALL CONSTRUCTION DICTATES, THE WIDTH MAY BE REDUCED TO 2-1/8" OR 1-1/2" UNDER SPECIAL CONDITIONS.

3.4 FIXTURE OUTLETS IN CEILINGS (MINIMUM) SHALL BE 4" OCTAGONAL X 1-1/2" DEEP (4-11/16" OCTAGONAL X 2-1/2" DEEP WHERE REQUIRED TO ACCOMMODATE LARGER CONDUIT OR LARGER NUMBER OF WIRES).

3.5 GANG BOXES SHALL BE ONE PIECE (MINIMUM), 2-1/8" DEEP.

3.6 PROVIDE FLUSH FLOOR BOX SERIES 880 BY WIRE MOLD WITH DUPLEX RECEPTACLE FOR WOOD PLATFORM AT DISPLAY SHOW WINDOWS, BOX WITH COVER PLATE FLANGE: CAT. #880W1-817TCAL AND BRUSHED ALUMINUM COVER PLATE: CAT. #828R-TCAL WITH FLIP LID TO PROTECT RECEPTACLE WHEN NOT IN USE. BOTH FLANGE AND COVER PLATE SHALL HAVE BRUSHED ALUMINUM FINISH. UL SCRUB LISTED.

3.7 FLUSH MOUNT BOXES IN ALL FINISHED WALLS, INSTALL THE PLASTER RINGS IN DRY WALLED PLASTERED WALLS AND RAISED COVERS AS REQUIRED IN WALLS WITH OTHER FINISHES SO THAT THE COVER PLATES FIT TIGHTLY AGAINST BOXES OR RINGS. 3/16" MAXIMUM GAPS ARE ALLOWED FOR NONCOMBUSTIBLE WALLS.

3.8 SUPPORT ALL BOXES TO MAINTAIN PROPER ALIGNMENT AND RIGIDITY.

WIRING DEVICES

1.0 WIRING DEVICES

1.1 WIRING DEVICE COLOR SHALL BE WHITE, UNLESS OTHERWISE NOTED.

1.2 PROVIDE TOTALLY ENCLOSED, 20 AMPERE, 120/277 VOLT, QUIET A/C GENERAL USE SNAP SWITCHES.

1.3 SWITCHES SHALL BE SPECIFICATION GRADE AS MANUFACTURED BY HUBBELL, P&S, OR LEVITON.

1.4 PROVIDE NEMA CONFIGURATION 5-20R DUPLEX 125 VOLT GROUNDING TYPE RECEPTACLES RATED FOR 20 AMPERES UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

1.5 RECEPTACLES SHALL BE SPECIFICATION GRADE AS MANUFACTURED BY HUBBELL, P&S OR LEVITON.

1.6 RECEPTACLES REQUIRING AMPERAGES, VOLTAGES OR CONFIGURATIONS DIFFERENT FROM THE DUPLEX CONVENIENCE RECEPTACLES ABOVE SHALL BE AS INDICATED ON THE DRAWINGS.

1.7 PROVIDE OTHER RECEPTACLES OF A QUALITY, MATERIAL AND WORKMANSHIP EQUAL TO THAT SPECIFIED FOR DUPLEX CONVENIENCE RECEPTACLES.

1.8 PROVIDE COVER OR DEVICE PLATES FOR OUTLET BOXES AS FOLLOWS UNLESS OTHERWISE NOTED:

1.8a FINISHED AREAS: THERMOPLASTIC-COLOR TO MATCH DEVICE.

1.8b UNFINISHED AREAS: ZINC COATED SHEET METAL, ALUMINUM, OR CAST METAL AS APPROPRIATE FOR THE TYPE OF BOX.

1.8c EXTERIOR AREAS: COPPER FREE ALUMINUM WITH GRAY, POWDER EPOXY FINISH, GASKET, WEATHERPROOF, CROUSE-HINDS "WLRD" FOR DUPLEX RECEPTACLES AND WLRS FOR SINGLE RECEPTACLES OR EQUAL.

1.8d TELEPHONE COMMUNICATIONS, AND SIGNAL OUTLET PLATES, SHALL MATCH THOSE USED FOR RECEPTACLES AND SWITCHES. ALL OUTLET AND/OR JUNCTION BOXES SHALL BE COMPLETE WITH A COVER PLATE BY THIS CONTRACTOR.

1.8e WHERE DEVICES ARE GANGED, THEY SHALL BE INSTALLED UNDER A COMMON COVER PLATE.

1.9 LOCATE THE SWITCHES APPROXIMATELY 4'-0" ABOVE THE FINISHED FLOOR ELEVATION OR NEAREST BLOCK COURSE (WITHIN A.D.A. REQUIREMENTS), UNLESS OTHERWISE INDICATED. THE LONG DIMENSION OF THE SWITCHES SHALL BE VERTICAL.

1.10 LOCATE RECEPTACLES APPROXIMATELY 1'-6" ABOVE THE FINISHED FLOOR ELEVATION OR NEAREST BLOCK COURSE (WITHIN A.D.A. REQUIREMENTS), UNLESS NOTED OTHERWISE THE LONG DIMENSION OF RECEPTACLES SHALL BE VERTICAL.

SAFETY SWITCHES

1.0 SAFETY SWITCHES

1.1 SAFETY SWITCHES SHALL BE THE ENCLOSED HEAVY-DUTY TYPE (TYPE HD) WITH QUICK-MAKE, QUICK-BREAK MECHANISM AND EXTERNAL PAD LOCKABLE OPERATING HANDLE.

1.2 SAFETY SWITCHES SHALL BE RATED FOR 240 OR 600 VOLTS AS APPLICABLE. THEY SHALL BE HORSEPOWER RATED WHEN USED IN MOTOR CIRCUITS.

1.3 SAFETY SWITCHES SHALL BE FUSIBLE OR NON-FUSIBLE 2, 3 OR 4 POLE AS INDICATED ON THE DRAWINGS.

1.4 SAFETY SWITCHES SHALL BE SINGLE THROW UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

1.5 ENCLOSURES SHALL BE NEMA 1 INDOORS AND NEMA 3R OUTDOORS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

1.6 MANUFACTURER SHALL BE SQUARE D, SEIMENS OR CULTER-HAMMER.

1.7 MOUNT THE SAFETY SWITCHES SECURELY BETWEEN 3' X 6' LEVELS ABOVE THE FLOOR UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

1.8 MOUNT THE SAFETY SWITCHES SECURELY BETWEEN 3' X 6' LEVELS ABOVE THE FLOOR UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

1.9 SWITCHES ON BLOCK WALLS SHALL BE MOUNTED ON A 3/4" PLYWOOD BACKBOARD, WHERE LOCATED INDOORS.

MOTOR STARTERS

1.0 MOTOR STARTERS

1.1 PROVIDE MOTOR STARTERS (MAGNETIC OR FUSED COMBINATION) AND CONTROL EQUIPMENT WHERE SHOWN. STARTERS SHALL BE PROVIDED WITH 120 VOLT COILS, 3 OVERLOADS, CONTROL TRANSFORMER WITH FUSED 120 VOLT SECONDARY CONTROL CIRCUIT, (2) N.O. AND (2) N.C. AUXILIARY CONTACTS, HAND-OFF-AUTO SELECTOR SWITCH AND RUNNING PILOT LIGHT, UNLESS OTHERWISE NOTED. WIRE THRU CONTROL DEVICES FURNISHED BY OTHER TRADES. SINCE MOTOR DRIVEN EQUIPMENT IS FURNISHED BY OTHER TRADES, THE CONTROL INDICATED ON THE DRAWINGS SHALL BE CONSIDERED AS FOR BIDDING PURPOSES ONLY. WIRE TO CONFORM TO THE ACTUAL EQUIPMENT SUPPLIED AND INSTALLED BY THE OTHER TRADES. ALL FUSES SHALL BE DUAL ELEMENT TYPE. PROVIDE "BLOWN FUSE" INDICATOR LAMPS IN COVER.

1.2 STARTERS SHALL BE SQUARE D, SEIMENS OR CUTLER-HAMMER.

1.3 THE EXACT NUMBER OF NORMALLY OPEN AND NORMALLY CLOSED AUXILIARY CONTACTS IN EACH STARTER SHALL BE DETERMINED BY THE TEMPERATURE CONTROL AND/OR FIRE ALARM CONTRACTOR.

DISTRIBUTION AND PANEL BOARDS

1.0 LIGHTING CONTROL SYSTEM

1.1 GENERAL INTRODUCTION: THE WORK COVERED IN THIS SECTION IS SUBJECT TO ALL THE REQUIREMENTS IN THE GENERAL CONDITIONS OF THE SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE ALL OF THE WORK IN THIS SECTION WITH ALL OF THE TRADES COVERED IN OTHER SECTIONS OF THE SPECIFICATION TO PROVIDE A COMPLETE AND OPERABLE SYSTEM.

1.2 DESCRIPTION OF THE WORK:

1.2a THE EXTENT OF THE LIGHTING CONTROL SYSTEM WORK IS INDICATED BY THE DRAWINGS AND BY THE REQUIREMENTS OF THIS SECTION. IT IS DEFINED TO INCLUDE, BUT NOT BY WAY OF LIMITATION:

1.2a1 PANEL BOARDS CONTAINING INTEGRAL CONTACTORS.

1.2a2 CONTROL ELECTRONICS FOR CONTACTORS AND TIME-CLOCKS AND MONITORING THE STATUS OF THE SYSTEM.

1.2a3 ASSOCIATED LOW AND LINE VOLTAGE OVERRIDE SWITCHES AND LIGHT SENSORS.

1.2a4 TIME-CLOCKS, CONTACTORS.

1.2a5 ANY WORK STATIONS, SOFTWARE AND COMMUNICATIONS HARDWARE.

1.2b SYSTEM INSTALLATION INCLUDES THE FOLLOWING:

1.2b1 WIRING OF BRANCH CIRCUIT CONDUCTORS AND CONTACTORS

1.2b2 INSTALLATION OF EXTERNAL CONTROL DEVICES AND WIRING TO THE CONTROLLER.

1.2b3 INSTALLATION OF COMMUNICATIONS CONDUCTORS AND ASSOCIATED HARDWARE.

1.3 WARRANTY: MANUFACTURER SHALL WARRANT SPECIFIED EQUIPMENT TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR AT LEAST ONE YEAR FROM THE DATE OF INSTALLATION OR EIGHTEEN MONTHS FROM DATE OF PURCHASE, WHICH EVER IS GREATER.

2.0 PANEL-BOARDS

2.1 ACCEPTABLE MANUFACTURERS: SQUARE D, CUTLER HAMMER, SEIMENS, G.E. FOR PRICING AND ORDERING INFORMATION, PROVIDE EQUIPMENT AS SPECIFIED HEREIN, NO SUBSTITUTIONS PERMITTED. CONTRACTOR SHALL CONTACT NO LATER THAN 5 DAYS AFTER JOB IS AWARDED TO ENSURE LEAD TIMES DO NOT AFFECT PROJECT SCHEDULE. PANEL-BOARDS SHALL BE ENCLOSED DEAD FRONT SAFETY TYPE WITH FEATURES AND RATINGS AS SCHEDULED ON THE DRAWINGS.

2.2 PANELS KNOWN AS "LOAD CENTERS" ARE UNACCEPTABLE.

2.3 MOLDED CASE CIRCUIT BREAKERS SHALL BE AS SCHEDULED ON THE DRAWINGS AND SPECIFIED IN THIS DIVISION.

2.4 ALL BUS BARS SHALL BE RECTANGULAR, SOLID COPPER.

2.5 SPACE, WHERE SHOWN IN PANEL SCHEDULES, DESIGNATES SPACE FOR FUTURE PROTECTIVE DEVICES AND SHALL INCLUDE BUS AND SUPPORT.

2.6 INSTALL CABINETS SO THAT CENTER OF THE TOP BREAKER DOES NOT EXCEED 6'-6" ABOVE THE FINISHED FLOOR.

2.7 ENTRIES ON DIRECTORY CARDS SHALL BE TYPED, COMPLETE AND ACCURATE.

2.8 ALL BOLTED CONNECTIONS SHALL BE TORQUED IN ACCORDANCE WITH MANUFACTURER'S STANDARDS.

2.9 ELECTRICAL CONTRACTOR SHALL ARRANGE CIRCUITS AS NEAR AS POSSIBLE TO CIRCUIT NUMBERS ON THE DRAWINGS. AT COMPLETION OF JOB, ELECTRICAL CONTRACTOR SHALL TAKE CURRENT READING CHECKS OF RESPECTIVE PHASES. A MINIMUM OF CIRCUIT CONNECTIONS SHALL BE REARRANGED TO BALANCE AS CLOSELY AS POSSIBLE, THE LOAD IN THE PANEL.

2.10 ALL BREAKERS SHALL BE BOLT-ON TYPE.

2.11 PROVIDE (3) SPARE 1" CONDUITS INTO ACCESSIBLE CEILING SPACE WHERE PANELS ARE FLUSH-MOUNTED.

3.0 DISTRIBUTION PANELS

3.1 ACCEPTABLE MANUFACTURERS: SQUARE D, CUTLER HAMMER, SEIMENS, G.E.. FOR PRICING AND ORDERING INFORMATION, PROVIDE EQUIPMENT AS SPECIFIED HEREIN, NO SUBSTITUTIONS PERMITTED. CONTRACTOR SHALL CONTACT NO LATER THAN 5 DAYS AFTER JOB IS AWARDED TO ENSURE LEAD TIMES DO NOT AFFECT PROJECT SCHEDULE. DISTRIBUTION PANELS SHALL BE DEAD FRONT TYPE WITH FEATURES AND RATING AS SCHEDULED ON THE DRAWINGS.

3.2 MOLDED CASE CIRCUIT BREAKERS SHALL BE AS SCHEDULED, OF SIZE AND NUMBER INDICATED ON THE DRAWINGS. ALL BREAKERS SHALL BE BOLT-ON TYPE.

3.3 ALL LUGS SHALL BE UL APPROVED CU/AL TYPE.

3.4 PANELS SHALL BE MANUFACTURED AS A COMPLETE UNIT AND NOT AN ASSEMBLY OF PARTS SECURED FROM A SUPPLY HOUSE.

3.5 ALL PANELS SHALL BE CAPABLE OF ACCEPTING CIRCUIT BREAKERS SIZED UP TO AND INCLUDING 400 AMPS.

3.6 VERTICAL BUSSING SHALL BE EXTENDED THE FULL LENGTH OF THE PANEL.

3.7 ALL BUS BARS SHALL BE RECTANGULAR SOLID COPPER.

3.8 DISTRIBUTION PANELS SHALL BE SQUARE D.

3.9 INSTALL PANELS SUCH THAT HANDLE FOR THE TOP BREAKER DOES NOT EXCEED 6'-6" ABOVE FINISHED FLOOR.

3.10 PROVIDE PHENOLIC LABELS FOR EACH PANEL.

3.11 ALL BOLTED CONNECTIONS SHALL BE TORQUED IN ACCORDANCE WITH MANUFACTURER'S STANDARDS.

3.12 SURFACE-MOUNTED PANELS SHALL BE MOUNTED ON A 3/4" PLYWOOD BACKBOARD. FLOOR-MOUNTED PANELS SHALL BE MOUNTED ON A 4" HIGH CONCRETE PAD.

WHEN REQUIRED, IT IS THE OWNER'S RESPONSIBILITY TO CONTRACT WITH A COMMISSIONING AUTHORITY TO COMPLY WITH LOCAL CODES.

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DRAWING SEAL:

LICENSED PROFESSIONAL ENGINEER · CLAYTON LUCAS · E 24065 · ELECTRICAL · STATE OF CALIFORNIA
06/09/2026

CONTRACTOR'S NOTES:

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△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS

LOCATION:

TERIYAKI · MADNESS

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AEB REVIEWED BY: CL

TITLE:

ELECTRICAL SPECIFICATIONS

SHEET NUMBER:

E001.1

FOODSERVICE ELECTRICAL SCHEDULE

ITEM NO.	DESCRIPTION	MANUFACTURER	MODEL NO.	VOLTAGE	PHASE	KW	HP	AMPS	TYPE	NEMA	HEIGHT	CONDUIT/WIRING	NOTES
102	RICE WARMER	WINCO	RW-S451	120	1			0.8	GFCI PLUG	5-15P	24"	2#12, 1#12G, 1/2"C	PROVIDED BY OWNER
103	FOOD PROCESSOR	SAMMIC	CA-311	120	1			4.3	GFCI PLUG	5-15P	50"	2#12, 1#12G, 1/2"C	COORDINATE WITH VENDOR AND EC
200	ELECTRIC RICE COOKER	TOWN	57155	208	1	3.33		15.0	PLUG	6-20P	50"	2#12, 1#12G, 1/2"C	PROVIDE GFCI BREAKER
201	ELECTRIC HOT FOOD TABLE	ADVANCE TABCO	SW-4E-120	120	1			21.4	PLUG	L5-30P	12"	2#10, 1#10G, 3/4"C	
400	EXHAUST HOOD	CAPTIVE AIRE	CUSTOM	120	1			1.0	DIRECT		DFA	2#12, 1#12G, 1/2"C	FOR LIGHTS VIA HOOD CONTROL PANEL
	EXHAUST FAN KEF-1			208	3		2.0	15.0	DIRECT		DFA	4#10, 1#10G, 3/4"C	VIA HOOD CONTROL PANEL
	MAKE UP AIR UNIT MAU-1			208	3		2.5	22.8	DIRECT		DFA	3#10, 1#10G, 3/4"C	
600	WALK-IN COOLER/FREEZER	EXISTING	EXISTING	120	1			12.5	DIRECT		DFA	2#12, 1#12G, 1/2"C	FOR LIGHTS
600A	WALK-IN COOLER EVAPORATOR	EXISTING	EXISTING	120	1			4.1	DIRECT		DFA	2#12, 1#12G, 1/2"C	
600B	WALK-IN COOLER REMOTE CONDENSER	EXISTING	EXISTING	208	1			14.8	DIRECT		DFA	2#12, 1#12G, 1/2"C	
600C	WALK-IN FREEZER EVAPORATOR/CONDENSER	EXISTING	EXISTING	208	1			20	DIRECT		DFA	3#10, 1#10G, 3/4"C	COORDINATE LOCATION WITH VENDOR AND GC (ON ROOF)
602	REFRIGERATED MERCHANDISER	BY OTHERS	BY OTHERS	120	1			1.9	PLUG	5-15P	48"	2#12, 1#12G, 1/2"C	VERIFY LOCATION & PLUG NEMA CONFIGURATION WITH VENDOR AND OWNER
604.1	REFRIGERATED GRIDDLE STAND	ATOSA	MGF8450GR	120	1		1/4	2.3	PLUG	5-15P	24"	2#12, 1#12G, 1/2"C	UNDER HOOD, SHUNT TRIP, COORDINATE WITH VENDOR AND GC
605	REFRIGERATED SANDWICH UNIT	EXISTING	EXISTING	120	1			7.6	PLUG	5-15P	24"	2#12, 1#12G, 1/2"C	
700	SODA DISPENSER	BY OTHERS	BY VENDOR	120	1			9.3	DIRECT		36"	2#12, 1#12G, 1/2"C	VERIFY CONNECTION CONFIGURATION WITH VENDOR
700A	ICE MAKER	SCOTSMAN	MC0530MA-1	120	1			15.2	DIRECT		57"	2#12, 1#12G, 1/2"C	PROVIDE GFCI BREAKER
705	BIB SYSTEM	BY OTHERS	BY OTHERS	120	1			10.0	GFCI PLUG	5-15P	84"	2#12, 1#12G, 1/2"C	VERIFY PLUG NEMA CONFIGURATION WITH VENDOR
800	POS SYSTEM	BY OTHERS	BY OTHERS	120	1			15.0	PLUG			2#12, 1#12G, 1/2"C	VERIFY PLUG NEMA CONFIGURATION WITH VENDOR
805	WATER SOFTENING SYSTEM	CULLIGAN	SELECT 9	120	1			0.3	PLUG		60"	2#12, 1#12G, 1/2"C	VERIFY PLUG NEMA CONFIGURATION WITH VENDOR
TV	42" FLAT SCREEN TV			120	1			3.0	PLUG		90"	2#12, 1#12G, 1/2"C	VERIFY PLUG NEMA CONFIGURATION WITH VENDOR
SP	SPEAKER			120	1			VIF	PLUG		CLG	2#12, 1#12G, 1/2"C	12" BELOW FINISHED CEILING. VERIFY PLUG NEMA CONFIGURATION WITH VENDOR
CV1	CONVENIENCE OUTLET			120	1			4.3	GFCI PLUG	5-15P	50"	2#12, 1#12G, 1/2"C	VERIFY MOUNTING HEIGHT WITH OWNER
CV2	CONVENIENCE OUTLET			120	1			4.3	GFCI PLUG	5-15P		2#12, 1#12G, 1/2"C	VERIFY MOUNTING HEIGHT WITH CARBONATOR VENDOR

GENERAL NOTES:
a. ALL KITCHEN EQUIPMENT MOUNTING HEIGHTS ARE TO BOTTOM OF DEVICE.
b. DFA - DROP FROM ABOVE

KEYED NOTES (#)

1. ELECTRICAL EQUIPMENT. SEE ELECTRICAL RISER DIAGRAM ON SHEET E102.
2. SHOW WINDOW RECEPTACLES IN CEILING OR WALL ABOVE WINDOW PER CEC 210.62. LOCATE WITHIN 18" FROM TOP OF WINDOW. ROUTE CIRCUIT INDICATED THROUGH ZONE CONTROLLER (ZC) FOR TIMECLOCK CONTROLS. LOCATE ZC IN BOH NEAR ELECTRICAL PANEL. REFER TO DETAIL ON SHEET E101 FOR ADDITIONAL INFORMATION.
3. PROVIDE DUPLEX RECEPTACLE TO OWNER PROVIDED SPEAKERS. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH OWNER'S A/V CONTRACTOR PRIOR TO ROUGH-IN.
4. PROVIDE DUPLEX RECEPTACLE FOR TV POWER. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH OWNER PRIOR TO ROUGH-IN.
5. PROVIDE TV OUTLET WITH 1" EMPTY CONDUIT WITH PULL WIRE. HOMERUN CONDUIT TO WHERE AND AS DIRECTED BY A/V CONTRACTOR. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH OWNER PRIOR TO ROUGH-IN.
6. PROVIDE DUPLEX RECEPTACLE FOR CASHWRAP/POS IN MILLWORK AS REQUIRED. PROVIDE SEPARATE CIRCUIT WITH DEDICATED GROUND AND NEUTRAL CONDUCTOR. VERIFY CONDUIT ROUTING AND JUNCTION BOX LOCATIONS WITH MILLWORK PROVIDER AND OWNER PRIOR TO ROUGH-IN.
7. PROVIDE DATA OUTLET AND 3/4" EMPTY CONDUIT WITH PULL WIRE FOR CASHWRAP/POS IN MILLWORK. HOMERUN CONDUIT TO WHERE AND AS DIRECTED BY OWNER. VERIFY CONDUIT ROUTING AND JUNCTION BOX LOCATIONS WITH MILLWORK PROVIDER AND OWNER PRIOR TO ROUGH-IN.
8. PROVIDE DUPLEX RECEPTACLE IN DINING AREA FOR GENERAL USE MOUNTED HORIZONTALLY ABOVE BENCH AT 40" AFF. ALL OTHER OUTLETS TO BE MOUNTED AT 18" AFF ON OPEN WALLS. ALL OUTLETS/COVERS IN WAINSCOT TO BE BLACK.
9. PROVIDE AND INSTALL 20A, 120V DUPLEX RECEPTACLE FOR GAS WATER HEATER. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
10. PROVIDE JUNCTION BOX AND COMPLETE CONNECTION TO CIRCULATING PUMP. PROVIDE MOTOR RATED TOGGLE SWITCH SIZED AS REQUIRED FOR DISCONNECTING MEANS.
11. PROVIDE QUADRAPLEX RECEPTACLE MOUNTED AT 6'-6" AFF FOR ROUTER. VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
12. PROVIDE DATA OUTLET MOUNTED AT 6'-6" AFF AND 3/4" EMPTY CONDUIT WITH PULL WIRE FOR ROUTER. VERIFY EXACT LOCATION WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
13. PROVIDE JUNCTION BOX AND COMPLETE CONNECTION TO HOOD CONTROL PANEL. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
14. EXISTING COOLER/FREEZER TO REMAIN. PROTECT ALL ELECTRICAL COMPONENTS DURING CONSTRUCTION AND CONNECT TO NEW CIRCUITS INDICATED.
15. EXISTING AIR CURTAIN TO REMAIN. PROTECT ALL ELECTRICAL COMPONENTS DURING CONSTRUCTION AND CONNECT TO NEW CIRCUITS INDICATED.
16. PROVIDE 20A, 125V SMARTLOCKPRO FACELESS GFCI BY LEVITON OR APPROVED EQUAL FOR 125V, 20A RECEPTACLE UNDER KITCHEN EXHAUST HOOD REMOTE RESET/TEST BUTTON, QUANTITY AS REQUIRED. PROVIDE STAINLESS STEEL COVER PLAT. LOCATE IN READILY ACCESSIBLE LOCATION.
17. CONNECT 20A, 125V SMARTLOCKPRO FACELESS GFCI BY LEVITON. SEE KEYNOTE 15 ON THIS SHEET.
18. PROVIDE DUPLEX RECEPTACLE MOUNTED AT 5'-6" AFF FOR KDS/PRINTER.
19. PROVIDE DATA OUTLET MOUNTED AT 5'-6" AFF AND 3/4" EMPTY CONDUIT WITH PULL WIRE FOR KDS/PRINTER.
20. PROVIDE JUNCTION BOX FOR REMOTE ANSUL MANUAL PULL STATION. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH MECHANICAL DRAWINGS AND KITCHEN EXHAUST HOOD PROVIDER PRIOR TO ROUGH-IN.

GENERAL NOTES

a. ELECTRICAL CONTRACTOR TO PROVIDE ALL ROUGH-INS FROM BUILDING SOURCE TO MANUFACTURER'S CONNECTION POINT ON EQUIPMENT.

b. ELECTRICAL CONTRACTOR TO PROVIDE SERVICE FOR ALL VENTILATOR EXHAUST FANS, INCLUDING MOTOR STARTS, CONTROLS, SWITCHING DEVICES, AND INTERCONNECTIONS WITH MAKE-UP AIR SYSTEMS IF REQUIRED.

c. GAS VALVE, IF REQUIRED FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR, AND WIRED TO FIRE CONTROL SYSTEM BY ELECTRICAL CONTRACTOR. VERIFY LOCATION OF VALVE.

d. ELECTRICAL CONTRACTOR TO MAKE INTERCONNECTIONS FROM HOOD CONTROL PANEL TO HOOD, EXHAUST FANS, AND MAKE-UP AIR.

e. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL ELECTRICAL CONTACTORS TO SHUT OFF GAS SYSTEM AND ALL ELECTRIC EQUIPMENT LOCATED UNDER THE COOKING LINE HOOD IN THE EVENT OF FIRE SUPPRESSION SYSTEM ACTIVATION. THE REST TO GAS AND ELECTRICAL POWER SHALL BE MANUAL.

f. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL VOLTAGE REQUIREMENTS ON ALL EQUIPMENT AND PROVIDING BUCK-BOOST TRANSFORMER AS NECESSARY.

g. REFER TO FOOD SERVICE EQUIPMENT PLAN FOR MORE INFORMATION.

h. VERIFY ALL PLUGS NEMA CONFIGURATIONS WITH EQUIPMENT OR EQUIPMENT PROVIDER PRIOR TO ROUGH-IN.

i. EC TO VERIFY EXACT KITCHEN EQUIPMENT CONNECTION REQUIREMENTS WITH VENDOR AND PROVIDE OUTLET IF REQUIRED.

j. FINAL CONNECTION TO ALL HARDWIRED KITCHEN EQUIPMENT SHALL BE WITH "SEAL-TITE" FLEXIBLE CONDUIT.

k. PROVIDE CONDUIT SEALS FOR ALL CONDUITS PENETRATING WALK-IN BOXES. CAULK ALL PENETRATIONS.

l. ALL SINGLE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERES OR LESS AD THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERES OR LESS INSTALLED IN LOCATIONS AS STATED PER CEC 210.8(B) SHALL HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION FOR PERSONNEL.

m. THE GROUND FAULT CIRCUIT INTERRUPTER SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION.

n. WHERE GFCI RECEPTACLES IS NOT READILY ACCESSIBLE, PROVIDE REMOTE GFCI "RESET/TEST" BUTTON IN A READILY ACCESSIBLE LOCATION OR PROVIDE GFCI PROTECTED BREAKER TO CIRCUIT FEEDING THE RECEPTACLE.

o. ALL KITCHEN/SERVICE AREA RECEPTACLES SHALL BE PROVIDED WITH STAINLESS STEEL COVER PLATES.

p. COORDINATE EXACT LOCATION OF ALL OUTLETS AND EQUIPMENT WIRING WITH KITCHEN EQUIPMENT CONTRACTOR AND MILLWORK CONTRACTOR PRIOR TO INSTALLATION.

q. TRADES TO VERIFY UTILITY REQUIREMENTS FOR ALL OWNER/VENDOR SUPPLIED EQUIPMENT PRIOR TO ROUGH-IN. TRADES TO BE PREPARED TO MAKE NECESSARY FIELD MODIFICATIONS SUCH AS SWITCHING, CORDS, PLUGS OR SUPPLYING REPLACEMENT GASKETS FOR FAUCETS WHERE NEEDED.

r. ALL 125V, 15A AND 20A RECEPTACLE OUTLETS INSTALLED WITHIN 6' FROM THE TOP INSIDE EDGE OF THE SINK SHALL BE PROVIDED WITH GFCI PER CEC 210.8(A)(7).

s. PROVIDE LISTED TAMPER-RESISTANT RECEPTACLES TO ALL 15 TO 20 AMPERE, 125- AND 250- VOLT NON LOCKING- TYPE RECEPTACLES AS PER CEC 406.12.

t. ALL TELEPHONE/DATA LOCATIONS SHALL INCLUDE 4" SQUARE JUNCTION BOX AND 3/4" CONDUIT TO CEILING SPACE. ALL TELEPHONE/DATA CABLE IS TO BE PLENUM RATED WIRE OR SHALL BE INSTALLED IN CONDUIT ABOVE CEILING OR WALL.

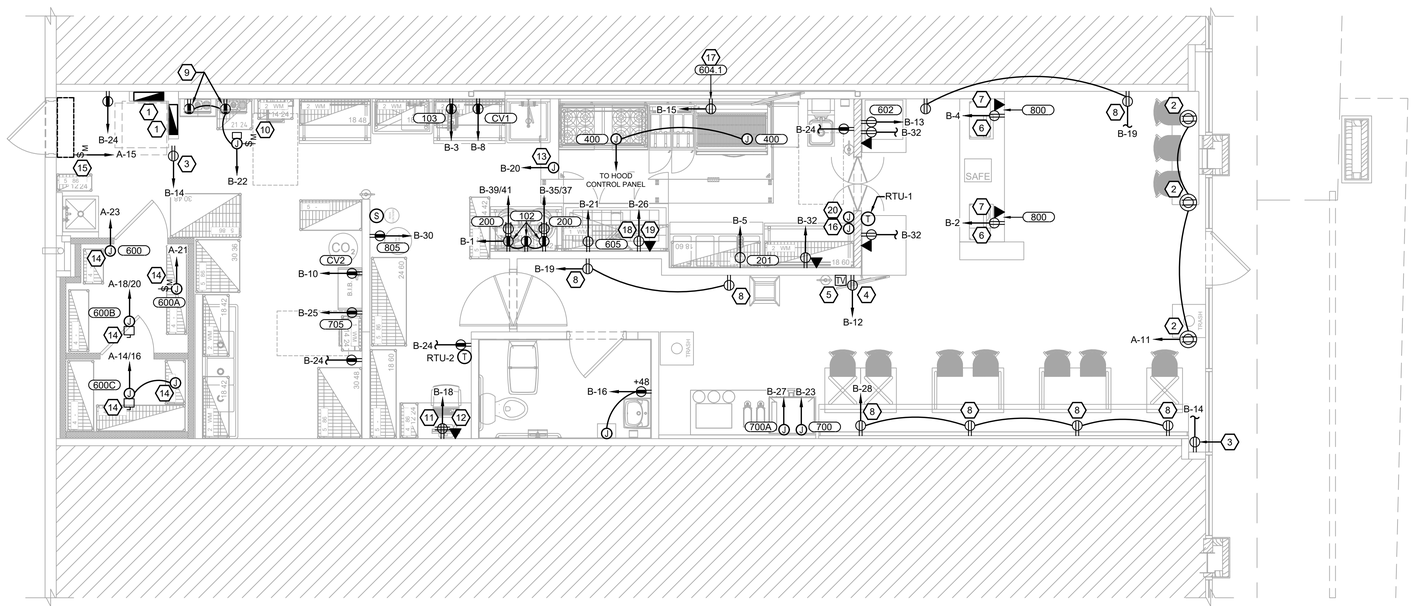
u. PROVIDE ALL DEMOLITION WORK AS REQUIRED TO ACCOMMODATE THE NEW WORK AS INDICATED ON THE ELECTRICAL PLAN. FIELD VERIFY EXISTING CONDITIONS. PROVIDE ANY ADDITIONAL WORK NECESSARY AS REQUIRED TO PRESERVE EXISTING DEVICES AND BRANCH CIRCUIT COMPONENTS TO REMAIN. REFER TO ARCHITECTURAL PLANS FOR DEMOLITION SCOPE OF WORK AN VISIT THE SITE PRIOR TO BID TO DETERMINE THE ELECTRICAL SCOPE OF WORK REQUIRED.

v. ALL RECEPTACLE OUTLETS AND COVERS IN DINING AREA AND LOBBY TO BE BLACK IN COLOR.

w. REVEL POS CABLING REQUIREMENTS ARE AS FOLLOWS.
-PROVIDE MODEM WITH AN ACTIVE INTERNET CONNECTION.
-THE REVEL ROUTE WILL BE PLUGGED INTO YOUR MODEM.
-EACH IPAD STATION AN KITCHEN PRINTER REQUIRES ACCESS TO A DUPLEX POWER OUTLET, AND A CAT5E OR CAT6 DATA LINE RUNNING BACK TO THE REVEL ROUTER.
-THE DATA LINES MUST BE TERMINATED WITH RJ45 CONNECTORS AND LABELS ON BOTH ENDS.
-REVEL REQUIRES A 2-HOLE TO BE DRILLED INTO THE COUNTERTOPS FOR PLACEMENT OF AN IPAD BY GC.
-DRILL ADDITIONAL HOLES IN ANY SHELVING AND/OR DIVIDERS BELOW THE COUNTERTOP TO PROVIDE ACCESS TO THE POWER AND ETHERNET CONNECTIONS. COORDINATE ALL WORK WITH MILLWORK PROVIDER PRIOR TO ANY WORK.

OUTLET LABELING NOTES

LABEL EACH RECEPTACLE, OUTLET BOX, SWITCH WITH APPLICABLE PANELBOARD DESIGNATION AND CIRCUIT NUMBER. USE ENGRAVE MICARTA, OR LAMICOID LABELS AND KROY OR DYMOTYPE ADHESIVE LABELS FOR THIS PURPOSE. THESE REQUIREMENTS INCLUDES ALL BOXES ABOVE LAY-IN CEILING AND ABOVE ROOF. WHERE MULTIPLE CIRCUITS ARE CONTAINED IN A BOX, INCLUDE ALL CIRCUIT REFERENCE ON COVER LABEL.



1 ELECTRICAL POWER PLAN

SCALE 1/4" = 1'0"

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DRAWING SEAL:

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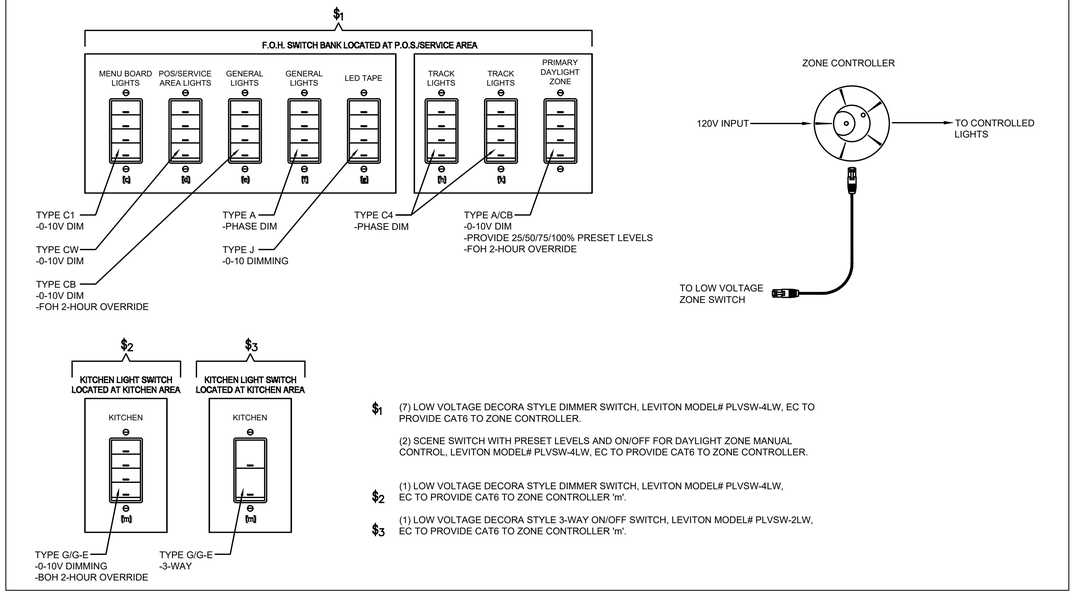
LOCATION:
TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AEB REVIEWED BY: CL

TITLE:
POWER FLOOR PLAN

SHEET NUMBER:
E100

SWITCHBANK DETAIL



$1 (7) LOW VOLTAGE DECORA STYLE DIMMER SWITCH, LEVITON MODEL# PLVSW-4LW, EC TO PROVIDE CAT6 TO ZONE CONTROLLER.

(2) SCENE SWITCH WITH PRESET LEVELS AND ON/OFF FOR DAYLIGHT ZONE MANUAL CONTROL, LEVITON MODEL# PLVSW-4LW, EC TO PROVIDE CAT6 TO ZONE CONTROLLER.

$2 (1) LOW VOLTAGE DECORA STYLE DIMMER SWITCH, LEVITON MODEL# PLVSW-4LW, EC TO PROVIDE CAT6 TO ZONE CONTROLLER 'm'.

$3 (1) LOW VOLTAGE DECORA STYLE 3-WAY ON/OFF SWITCH, LEVITON MODEL# PLVSW-2LW, EC TO PROVIDE CAT6 TO ZONE CONTROLLER 'm'.

KEYED NOTES (#)

1. PROVIDE AND INSTALL WEATHERPROOF JUNCTION BOX FOR STOREFRONT SIGNAGE. COORDINATE LOCATION WITH SIGN VENDER. JUNCTION BOX SHOULD BE NO FURTHER THAN 5 FEET FROM SIGNAGE. PROVIDE DISCONNECT AS REQUIRED. ROUTE CIRCUIT INDICATED THROUGH ZONE CONTROLLER (ZC) FOR TIMECLOCK CONTROLS. LOCATE ZC IN BOH NEAR ELECTRICAL PANEL.
2. ALL EMERGENCY FIXTURES ARE TO BE PROVIDED WITH MINIMUM 90 MINUTE EMERGENCY BATTERY BACK-UP AND CONNECTED TO UNSWITCHED LEG OF LOCAL CIRCUIT. BYPASS LOCAL SWITCHING WHERE REQUIRED.
3. 2'X4' LED TROFFER WITH MINIMUM 90 MINUTE EMERGENCY BACK-UP. DO NOT WIRE AS NIGHT LIGHT. RUN ADDITIONAL SEPARATE HOT WIRE IF REQUIRED. LIGHT FIXTURE SHALL BE SWITCHABLE.
4. DIGITAL DAYLIGHT SENSOR INTEGRAL TO ZONE CONTROLLER, LEVITON MODEL# ACY15-DIW. FINAL LOCATION PER MANUFACTURER'S RECOMMENDED DISTANCE FROM WINDOWS.
5. WALL MOUNT LINE VOLTAGE PIR OCCUPANCY SENSOR. SENSOR WITH MANUAL ON/OFF, LEVITON MODEL# ODS15-IDW.
6. LIGHTING 2-ZONE CONTROLLER (ZC) WITH INTEGRAL DIMMING AND TIME CLOCK FUNCTIONS, LEVITON MODEL# ACY15-DIW. LOWERCASE LETTER ADJACENT TO CONTROLLER INDICATES CONTROL ZONE.
7. LIGHTING 1-ZONE CONTROLLER (ZC) WITH INTEGRAL DIMMING AND TIME CLOCK FUNCTIONS, LEVITON MODEL# AC705-MW. LOWERCASE LETTER ADJACENT TO CONTROLLER INDICATES CONTROL ZONE.
8. SEE SWITCHBANK DETAIL ON THIS SHEET.
9. PROGRAM LOW VOLTAGE SWITCH FOR OVER-RIDE, PROGRAM LOW VOLTAGE SWITCH AT THIS LOCATION FOR 2-HOUR OVER-RIDE FUNCTION. THE OVER-RIDE SWITCH, WHEN INITIATED, SHALL PERMIT THE CONTROLLED LIGHTING TO REMAIN "ON" FOR A MAXIMUM OF TWO (2) HOURS. PROVIDE LABEL STATING "LIGHTING OVER-RIDE SWITCH". SEE SWITCHBANK DETAIL ON THIS SHEET.
10. PROVIDE CURRENT LIMITER INTEGRATED TO THE END OF THE TRACK. THE NUMBER SHOWN DENOTES CIRCUIT BREAKER AMPERE RATING.
11. PROVIDE DIMMABLE DRIVER (120VAC/12VDC, 60W) TO LED TAPE, AMERICAN LIGHT MODEL# ADPT-DRJ-60-24.
12. LOCATE 1-ZONE CONTROLLER(S) WITH INTEGRAL TIME CLOCK FUNCTIONS, LEVITON MODEL# AC705-MW, FOR SHOW WINDOW RECEPTACLES AND EXTERIOR SIGNS IN BOH. VERIFY LOCATION AND QUANTITY WITH OWNER AND LIGHTING VENDOR PRIOR TO INSTALLATION.
13. SECONDARY DAYLIGHT CONTROLS NOT REQUIRED IN THESE DAYLIGHT ZONES. GENERAL LIGHTING IS LESS THAN 75 WATTS.
14. ALL EXIT FIXTURES ARE TO BE PROVIDED WITH MINIMUM 90 MINUTE EMERGENCY BATTERY BACK-UP AND CONNECTED TO SEPARATE CIRCUIT A-13 .

GENERAL NOTES

a. FIXTURE TYPES: REFER TO LIGHTING FIXTURE SCHEDULE AND REFLECTED CEILING PLAN FOR COMPLETE DESCRIPTION OF EACH FIXTURE TYPE. LIGHT FIXTURES ARE IDENTIFIED BY LETTER AND SYMBOLS.

b. SWITCHING CONTROL: LOWER CASE LETTER SHOWN ADJACENT TO SWITCHES INDICATES CONTROL OF FIXTURES WITH SAME LOWER CASE LETTER. SWITCHES SHOWN ARE FOR LOCATION ONLY. MORE THAN ONE SWITCH SHOWN ADJACENT TO ANOTHER INDICATES GANGING REQUIRED WITH A SINGLE COMMON FACE PLATE.

c. SWITCH LOCATIONS: TYPICAL SWITCHING SHALL BE LOCATED INSIDE EACH ROOM NEAR THE STRIKE SIDE OF EACH DOOR. MOUNT SWITCHES AT 48" AFF.

d. EXIT SIGNS: FURNISH EXIT SIGNS WITH INTEGRAL 90 MINUTE NICKEL-CADMIUM BATTERY BASED EMERGENCY POWER SOURCE. EXIT SIGNS INDICATED SHALL BE CALIFORNIA CODE APPROVED.

e. EMERGENCY LIGHTING: SUPPLY EMERGENCY FIXTURES WITH INTEGRAL 90 MINUTE BATTERY POWER SOURCE AND SHALL BE CALIFORNIA CODE APPROVED.

f. FIXTURE LOCATIONS: REFER TO REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF LIGHT FIXTURES. COORDINATE INSTALLATION IN FIELD WITH ARCHITECT AND ENGINEER. COORDINATE AIMING OF ADJUSTABLE FIXTURES IN FIELD WITH LIGHTING CONSULTANT.

g. INSTALLATION: WIRE FROM JUNCTION BOXES TO FIXTURES OR SWITCHES AS INDICATED. ADDITIONAL JUNCTION BOXES MAY BE REQUIRED BEYOND THOSE SHOWN.

h. SUPPORT ALL FIXTURES FROM STRUCTURE ABOVE. IN NO CASE SHALL CEILING, MECHANICAL PIPING OR DUCTWORK SUPPORT ANY FIXTURE.

i. ALL LIGHTING CIRCUITS WITH FIXTURES THAT ARE DIMMED SHALL BE PROVIDED WITH INDIVIDUAL NEUTRAL CONDUCTOR PER CIRCUIT. DIMMED CIRCUITS SHALL NOT SHARE NEUTRALS.

j. SEE LIGHTING CONTROL DETAIL ON THIS SHEET.

k. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BASE BID. IN CASE OF ANY DISCREPANCIES WITH EXISTING FIELD CONDITIONS, ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT DIFFERENCE FOR POSSIBLE REVISIONS TO THIS DOCUMENT.

l. INSTALL RECESSED LUMINAIRES USING ACCESSORIES AND FIRE STOPPING MATERIALS TO MEET REGULATORY REQUIREMENTS FOR FIRE RATING.

m. LUMINAIRES IN CONTACT WITH INSULATION SHALL BE UL LISTED FOR THERMAL BARRIER OR PROVIDED WITH 3" MINIMUM CLEARANCE.

n. LIGHT SWITCHES ARE TO BE MOUNTED AT 48" AFF (UNLESS OTHERWISE NOTED).

o. ALL EQUIPMENT SHALL BE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

p. ALL EMERGENCY/EXIT LIGHTING ON LOCAL CIRCUIT SHALL BE CONNECTED AHEAD OF LOCAL SWITCH (HOT) FOR CONTINUOUS OPERATION. PROVIDE 90 MINUTE BATTERY BACKUP.

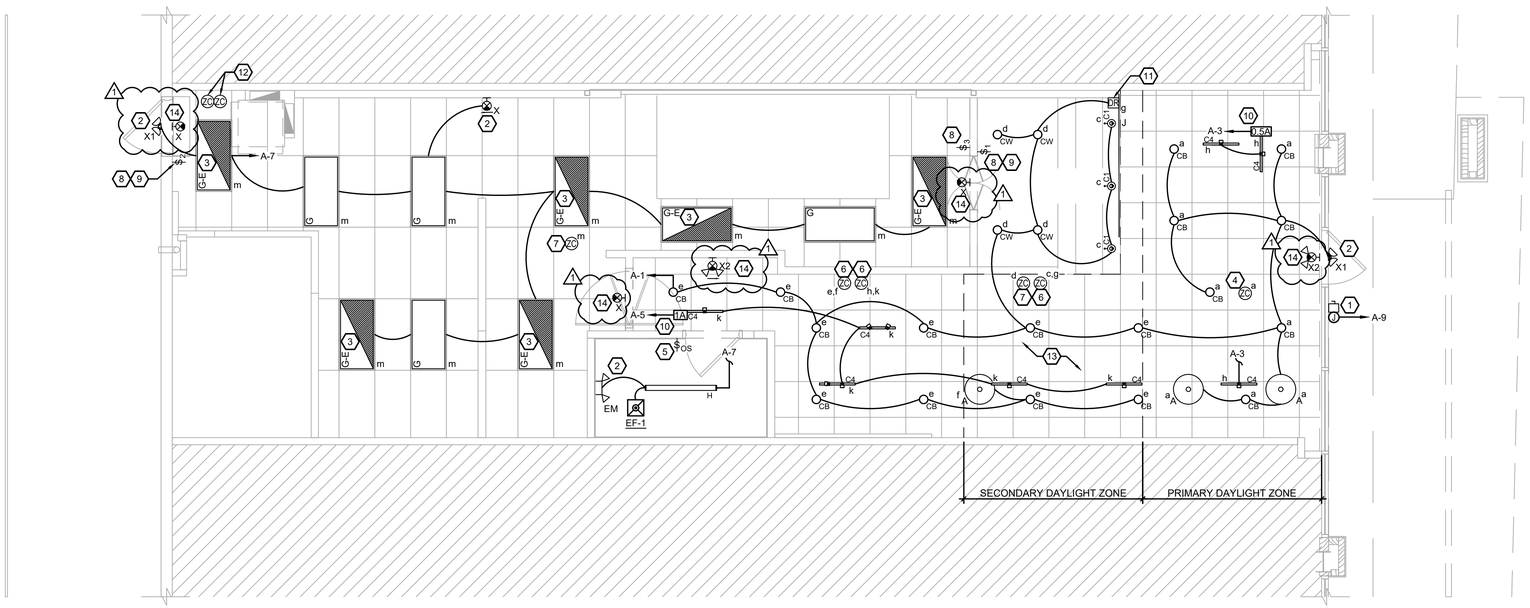
q. ENSURE ALL LIGHTING EXPOSED TO PLENUM IS PLENUM RATED.

r. TGC TO VERIFY EXIT DISCHARGE LIGHTING MEETS CODE. WHERE REQUIRED TGC SHALL PROVIDE CODE COMPLIANT EXIT DISCHARGE LIGHTING IF NOT PRESENT.

s. LIGHT FIXTURES INSTALLED OVER AREAS WHERE FOOD IS PREPARED, OPEN FOOD IS STORED AND WHERE UTENSILS ARE WASHED NEED TO BE OF SHATTERPROOF CONSTRUCTION OR EQUIPPED WITH APPROVED SHATTER CONTAINMENT SHIELDS.

OUTLET LABELING NOTES

LABEL EACH RECEPTACLE, OUTLET BOX, SWITCH WITH APPLICABLE PANELBOARD DESIGNATION AND CIRCUIT NUMBER. USE ENGRAVE MICARTA, OR LAMICOID LABELS AND KROY OR DYMOTYPE ADHESIVE LABELS FOR THIS PURPOSE. THESE REQUIREMENTS INCLUDES ALL BOXES ABOVE LAY-IN CEILING AND ABOVE ROOF. WHERE MULTIPLE CIRCUITS ARE CONTAINED IN A BOX, INCLUDE ALL CIRCUIT REFERENCE ON COVER LABEL.



1 ELECTRICAL LIGHTING PLAN

SCALE 1/4" = 1'0"

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CONSULTANT:
GEMINI ENGINEERING GROUP
Clayton Lucas, P.E. CA-E24065
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(817) 672-7562

DRAWING SEAL:

LICENSED PROFESSIONAL ENGINEER · CLAYTON LUCAS · E 24065 · ELECTRICAL · STATE OF CALIFORNIA
06/09/2026

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AEB REVIEWED BY: CL

TITLE:

LIGHTING FLOOR PLAN

SHEET NUMBER:

E101

PANEL A

Service: 120/208 Volts 3 Phase 4 Wire Cabinets: Recessed 35KAIC
Mains: 225 Amp MLO Total Watts: 71,639 NEMA 1

REM	CKT	DESCRIPTION	WATTS	WIRE	BKR	A	B	C	BKR	WIRE	SPARE	WATTS	CKT	REM
	ZC	1	DINING/SALES AREA LTS	399	12	20/1	X					2739	2	
	ZC	3	TRACK LTS	60	12	20/1		X		30/3	10 MAU-1	2739	4	HR
	ZC	5	TRACK LTS	120	12	20/1			X			2739	6	
	ZC	7	KITCHEN/RESTROOM LTS	357	12	20/1	X					1807	8	
	ZC	9	SIGN	1200	12	20/1		X		30/3	10 KEF-1	1807	10	HR
1	ZC	11	SNOW WINDOW REC	1200	12	20/1			X			1807	12	
		13	EXIT SIGNS	25	12	20/1	X					2080	14	
		15	(E)AIR CURTAIN	812	12	20/1		X		30/2	10 (E)WALK-IN FRZ	2080	16	HR
		17	ROOF REC/DUCT DETECTORS	460	10	20/1			X			1540	18	
		19	SPARE			20/1	X			20/2	12 (E)WALK-IN COOLER	1540	20	HR
	HR	21	(E)WALK-IN COOLER EVAP	492	12	20/1		X			CONDENSER		22	
		23	(E)WALK-IN COOLER/FRZ	1200	12	20/1			X	20/1	SPARE		24	
		25		2095			X			20/1	SPARE		26	
	HR	27	RTU-1	2095	10	30/3		X		20/1	SPARE		28	
		29		2095					X	20/1	SPARE		30	
		31		3997			X			20/1	SPARE		32	
	HR	33	RTU-2	3997	4	60/3		X		20/1	SPARE		34	
		35		3997					X	20/1	SPARE		36	
		37		8832			X			20/1	SPARE		38	
		39	PANEL B	8984	1	100/3		X		20/1	SPARE		40	
		41		8544					X	20/1	SPARE		42	

TOTAL LOAD PHASE 'A' 23871
TOTAL LOAD PHASE 'B' 24066
TOTAL LOAD PHASE 'C' 23702

TOTAL LOAD ALL PHASES 71639 WATTS
199.00 AMPS

REMARKS
(ZC) ZONE CONTROLLER WITH TIMECLOCK FUNCTIONS
**(ST) SHUNT TRIP
(HR) HACR RATED CB
(HT) HANDLE TIE
(IG) ISOLATED GROUND
(GF) GFCI BREAKER
ALL BREAKERS TO BE 20A BOLT-ON UNLESS NOTED OTHERWISE
ALL PHASES SHALL BE BALANCED WITH-IN 10% REGARDLESS OF CIRCUITING SHOWN

PANEL B

Service: 120/208 Volts 3 Phase 4 Wire Cabinets: Recessed 35KAIC
Mains: 125 Amp MLO Total Watts: 26,360 NEMA 1

REM	CKT	DESCRIPTION	WATTS	WIRE	BKR	A	B	C	BKR	WIRE	DESCRIPTION	WATTS	CKT	REM
	1	RICE WARMER- 102	288	12	20/1	X			20/1	12	POS SYSTEM- 800	1800	2	
	3	FOOD PROCESSOR- 103	516	12	20/1		X		20/1	12	POS SYSTEM- 800	1800	4	
GF	5	HOT FOOD TABLE- 201	2568	10	30/1			X	20/1		SPARE		6	
	7	SPARE			20/1	X			20/1	12	CONVENIENCE OUTLET- CV1	516	8	
	9	SPARE			20/1		X		20/1	12	CONVENIENCE OUTLET- CV2	516	10	
	11	SPARE			20/1			X	20/1	12	42" FLAT SCREEN TV- TV	360	12	
	13	REACH MERCH- 602	228	12	20/1	X			20/1	12	SPEAKER REC	360	14	
**ST	15	REF GRIDDLE STAND-604.1	276	12	20/1		X		20/1	12	GFI REC/PAPER TOWEL DISP	360	16	
	17	SHUNT TRIP			-	-		X	20/1	12	ROUTER QUAD REC	360	18	
	19	DINING AREA REC	720	12	20/1	X			20/1	12	HOOD CONTROL PANEL	1440	20	
GF	21	(E)REF SANDWICH UNIT- 605	912	12	20/1		X		20/1	12	GAS WH/CIRC PUMP	500	22	
GF	23	SODA DISPENSER- 700	1116	12	20/1			X	20/1	12	GENERAL REC	720	24	
	25	BIB SYSTEM- 705	1200	12	20/1	X			20/1	12	KDS/PRINTER	180	26	
GF	27	ICE MAKER- 700A	1824	12	20/1		X		20/1	12	DINING AREA REC	720	28	
	29	SPARE			20/1			X	20/1	12	WATER SOFTENER REC- 805	300	30	
	31	SPARE			20/1	X			20/1	12	KDS/PRINTER REC	540	32	
	33	SPARE			20/1		X		20/1		SPARE		34	
GF	35	ELECTRICAL RICE COOKER-	1560	12	20/2			X	20/1		SPARE		36	
	37	200	1560			X			20/1		SPARE		38	
GF	39	ELECTRICAL RICE COOKER-	1560	12	20/2		X		20/1		SPARE		40	
	41	200	1560					X	20/1		SPARE		42	

TOTAL LOAD PHASE 'A' 8832
TOTAL LOAD PHASE 'B' 8984
TOTAL LOAD PHASE 'C' 8544

TOTAL LOAD ALL PHASES 26360 WATTS
73.22 AMPS

REMARKS
(ZC) ZONE CONTROLLER WITH TIMECLOCK FUNCTIONS
**(ST) SHUNT TRIP
(HR) HACR RATED CB
(HT) HANDLE TIE
(IG) ISOLATED GROUND
(GF) GFCI BREAKER
ALL BREAKERS TO BE 20A BOLT-ON UNLESS NOTED OTHERWISE
ALL PHASES SHALL BE BALANCED WITH-IN 10% REGARDLESS OF CIRCUITING SHOWN

PANEL A- ELECTRICAL LOAD SUMMARY

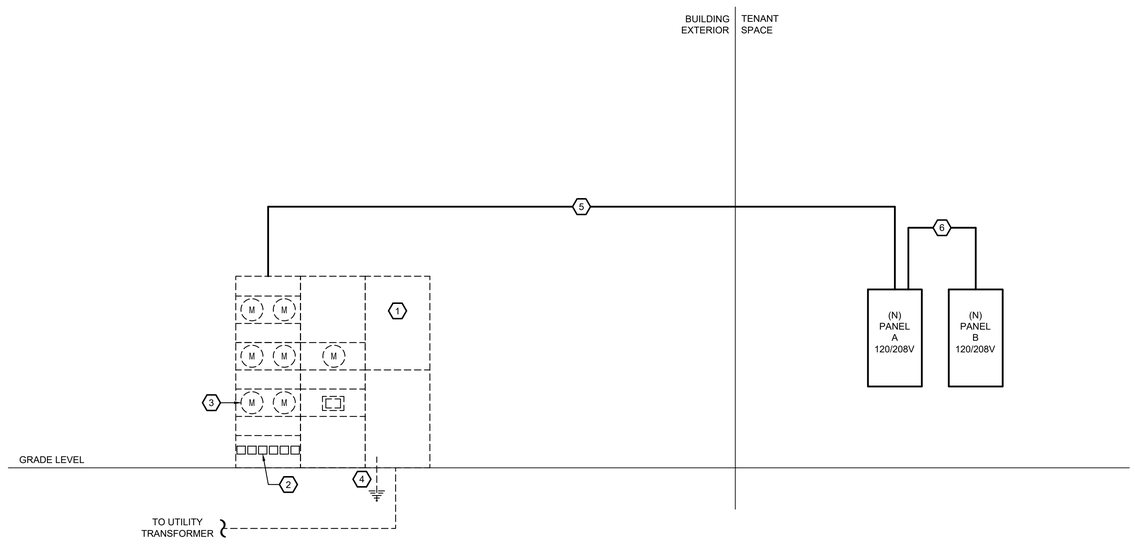
120/208V 3PH - 4W

LOAD DESCRIPTION	CONNECTED LOAD (WATTS)	DEMAND FACTOR	DEMAND LOAD (WATTS)	DEMAND LOAD (AMPS)
LIGHTING	936	1.25	1170	3
RECEPTACLES	11549	NOTE #1	10775	30
WATER HEATERS	500	1.25	625	2
SIGNAGE	1200	1.25	1500	4
MISC.	1440	1.00	1440	4
HVAC	40846	NOTE #2	43844	122
KITCHEN	15168	0.65	9859	27
TOTAL	71639		69212	192

NOTES:
1. 100% OF FIRST 10,000 WATTS , PLUS 50% OF REMAINING LOAD.
2. 100% OF A/C LOAD, PLUS 25% OF HIGHEST LOAD.

1 ELECTRICAL PANEL SCHEDULES

SCALE N.T.S.



HOMERUNS AND BRANCH WIRING FOR 20 AMP CIRCUITS SHALL BE AS FOLLOWS:

LENGTH	CIRCUIT WIRE SIZE	HOMERUN WIRE SIZE
1FT TO 50FT	NO.12 AWG	NO.12 AWG
51FT TO 75FT	NO.12 AWG	NO.10 AWG
76FT TO 120FT	NO.10 AWG	NO.8 AWG
121FT TO 190FT	NO.10 AWG	NO.6 AWG
191FT TO 300FT	NO.10 AWG	NO.4 AWG

DIAGRAM BASED ON INFORMATION AVAILABLE AT TIME OF DESIGN. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO ROUGH-IN. CONTACT ENGINEER IF CONDITIONS ARE DIFFERENT THAN AS SHOWN PRIOR TO COMMENCING WORK

(E) - EXISTING – – – – –
(N) - NEW ———
(R) - RELOCATED – – – – –

KEYED NOTES ⟨#⟩

1. EXISTING 2000A, 120/208V, 3Ø, 4W LANDLORD MAIN SWITCHBOARD. COORDINATE ALL CONNECTIONS AND REQUIREMENTS WITH LANDLORD PRIOR TO CONSTRUCTION.
2. EXISTING 200A, 3P, 240V PULL OUT BOLTSWITCH IN LANDLORD SWITCHGEAR FOR TENANT USE.
3. EXISTING METER SOCKET. CONTRACTOR TO VERIFY ALL METERING REQUIREMENTS WITH LANDLORD AND UTILITY PRIOR TO BID.
4. EXISTING GROUND PER CEC 250 TO REMAIN.
5. NEW (4)#3/0 AWG CU THWN, #6 AWG CU GND, 2" CONDUIT.
6. NEW (4)#1 AWG CU THWN, #8 AWG CU GND IN 1 1/2" CONDUIT.

GENERAL NOTES

a. TENANT'S GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL COPPER CONDUCTORS WHEN NEW IS REQUIRED.
b. CONTRACTOR TO VERIFY ALL METERING REQUIREMENTS WITH LANDLORD AND LOCAL UTILITY PRIOR TO BID.
c. CONTRACTOR TO VERIFY EXACT DISTANCE AND ROUTING OF SERVICE FEEDERS FROM LANDLORD DISTRIBUTION/SERVICE ENTRANCE EQUIPMENT TO TENANT SPACE PRIOR TO BIDDING.
d. CONTRACTOR TO COORDINATE ALL LIGHTING/ DIMMING CONTROLS AND LIGHTING SPECIFICATIONS WITH CONTROLS VENDOR PRIOR TO ORDERING TO ENSURE CORRECT COMPONENTS ARE PROVIDED FOR DIMMING AND CONTROLS COMPATIBILITY.
e. CONTRACTOR TO PROVIDE ALL BREAKERS IN EXISTING PANELS.
f. PROVIDE COMPLIANCE WITH CEC 110.26 "SPACES ABOUT ELECTRICAL EQUIPMENT."
g. PROVIDE COMPLIANCE WITH CEC 408.4 "CIRCUIT DIRECTORY OR CIRCUIT IDENTIFICATION".
h. IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO PROPERLY BALANCE ALL BRANCH CIRCUITS BETWEEN THE PHASES (WITHIN 10% OF EACH) OF THE SYSTEM REGARDLESS OF THE CIRCUITING INDICATED.
i. "ALL LOW VOLTAGE WIRING TO BE IN CONDUIT UNLESS OTHERWISE APPROVED BY AUTHORITY HAVING JURISDICTION."
j. GENERAL CONTRACTOR SHALL VERIFY ANY THIRD PARTY INSPECTIONS REQUIRED BY THE LOCAL JURISDICTION PRIOR TO START OF CONSTRUCTION.

FIELD VERIFY ALL CONDITIONS

DESIGN DRAWINGS ARE SCHEMATIC. ONCE ONSITE GENERAL CONTRACTOR IS TO INSPECT EXISTING FIELD CONDITIONS AND FAMILIARIZE HIMSELF WITH ANY CONDITIONS THAT MAY AFFECT HIS WORK IN ANY MANNER PRIOR TO START OF CONSTRUCTION.

IF THE GENERAL CONTRACTOR FINDS THAT THERE ARE DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE INFORMATION SHOWN ON THESE DRAWINGS, GC IS TO NOTIFY THE TENANT'S REPRESENTATIVE AND ARCHITECT OF THOSE DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.

RFI SHALL BE SUBMITTED FOR ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS.

THE ELECTRICAL RISER DIAGRAM INDICATED HAS BEEN PROPERLY DESIGNED TO ACCOMMODATE TENANT'S POWER REQUIREMENTS AND MEETS ALL APPLICABLE BUILDING CODES. IT IS THE RESPONSIBILITY OF THE GC TO VERIFY ALL EXISTING CONDITIONS AND DETERMINE IF ANY EXISTING EQUIPMENT AND WIRING IS SUITABLE FOR REUSE IN THE SYSTEM PRIOR TO START OF CONSTRUCTION.

ELECTRICAL CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO RESULT IN A COMPLETE AND LEGAL INSTALLATION INCLUDING THE UPGRADING AND/OR MODIFICATION OF THE EXISTING SERVICE FEEDERS, CONDUITS AND TAP-INS EXTENDED TO PROPER POINT OF ORIGIN AS COORDINATED WITH THE LANDLORD.

TENANT IS REQUIRED TO MAKE A FIELD SURVEY OF THE EXISTING ELECTRICAL SERVICE TO ENSURE THAT THE TOTAL CONNECTED LOAD DOES NOT EXCEED THE ELECTRICAL LOAD. ANYALL MODIFICATIONS OR UPGRADES NEEDED ARE SUBJECT TO LANDLORD'S PRIOR APPROVAL. GC TO NOTIFY THE ENGINEER IF EXISTING CONDITIONS ARE NOT CODE COMPLIANT PRIOR TO COMMENCING WORK.

2 ELECTRICAL RISER DIAGRAM

SCALE N.T.S.

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CONSULTANT:
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DRAWING SEAL:

LICENSED PROFESSIONAL ENGINEER · CLAYTON LUCAS · E 24065 · ELECTRICAL · STATE OF CALIFORNIA
06/09/2026

CONTRACTOR'S NOTES:

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△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AEB REVIEWED BY: CL

TITLE:
PANEL SCHEDULES AND RISER DIAGRAM

SHEET NUMBER:
E102

KEYED NOTES (#)

1. PROVIDE 30/3/NF, 240V, NEMA 3R DISCONNECT FOR RTU-1. CONNECT TO CIRCUIT INDICATED USING (3)#10 AWG CU THWN, (1)#10 AWG CU THWN GND, 3/4" CONDUIT.
2. PROVIDE 60/3/NF, 240V, NEMA 3R DISCONNECT FOR RTU-2. CONNECT TO CIRCUIT INDICATED USING (3)#4 AWG CU THWN, (1)#10 AWG CU THWN GND, 1" CONDUIT.
3. PROVIDE 30/3/NF, 240V, NEMA 3R DISCONNECT FOR KEF-1. CONNECT TO CIRCUIT INDICATED VIA HOOD CONTROL PANEL USING (4)#10 AWG CU THWN, (1)#10 AWG CU THWN GND, 3/4" CONDUIT.
4. PROVIDE 30/3/NF, 240V, NEMA 3R DISCONNECT FOR MAU-1. CONNECT TO CIRCUIT INDICATED USING (3)#10 AWG CU THWN, (1)#10 AWG CU THWN GND, 3/4" CONDUIT.
5. PROVIDE JUNCTION BOX AND COMPLETE CONNECTION TO DUCT SMOKE DETECTOR. INTERLOCK WITH HVAC UNIT TO PROVIDE SYSTEM SHUTDOWN IF SMOKE IS DETECTED. PROVIDE LOW VOLTAGE TRANSFORMER SIZED AS REQUIRED AND INTERFACE WITH FIRE ALARM CONTROL PANEL IF REQUIRED.
6. PROVIDE WEATHERPROOF TYPE, GFCI DUPLEX RECEPTACLE WITH LISTED IDENTIFIED "EXTRA DUTY" COVER FOR ROOFTOP EQUIPMENT. A RECEPTACLE SHALL BE LOCATED WITHIN 25' OF EVERY UNIT.

GENERAL NOTES

a. ALL PENETRATIONS OF FIRE RATED WALLS OR CEILINGS SHALL BE EXECUTED PER ALL APPLICABLE CODES AND JURISDICTIONS.

b. ALL WEATHERPROOF (WP) RECEPTACLES SHALL BE PROVIDED WITH UL LISTED CORROSION PROTECTION, UV RESISTANT AND COLD IMPACT RESISTANT WITH-IN-USE COVER.

c. ALL ELECTRICAL EQUIPMENT MOUNTED ON ROOF (RECEPTACLES, DISCONNECT SWITCHES, ETC.) SHALL BE WEATHERPROOF AND/OR UL/NEMA 3R.

d. ALL ROOF MOUNTED EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURE'S INSTALLATION INSTRUCTIONS, SHOP DRAWINGS AND APPROPRIATE DETAILS.

e. CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL UTILITIES ABOVE THE CEILING TO PROVIDE THE GREATEST POSSIBLE CLEARANCE FOR INSTALLATION AND FUTURE CHANGES IN MECHANICAL EQUIPMENT. CONDUIT AND PIPE TO BE RUN UP IN JOINTS SPACE. COORDINATE SERVICE AND ACCESS POINTS ABOVE CEILING TO MINIMIZE REQUIRED ACCESS.

f. ROUTE CONDUIT FEEDS FOR ROOFTOP POWER AND CONTROL CIRCUITS VERTICALLY THROUGH ROOF BELOW CIRCUIT TERMINATION POINT. PROVIDE PITCH PANS COMPATIBLE WITH ROOFING MATERIAL AND APPROVED BY ROOFING MANUFACTURER. DO NOT ROUTE CONDUITS HORIZONTALLY ABOVE ROOF OR ALONG PARAPETS.

g. STUB-UP CONDUITS FOR ROOF MOUNTED EQUIPMENT THROUGH EQUIPMENT ROOF CURBS OR IF NOT POSSIBLE THROUGH ROOF PENETRATIONS ACCEPTABLE TO ROOFING MANUFACTURER IMMEDIATELY BELOW ELECTRICAL TERMINATION POINTS ON EQUIPMENT. DO NOT ROUTE CONDUITS ACROSS ROOF OR ON PARAPETS.

h. MOTOR PROTECTION: PROVIDE AND WIRE POWER MONITORING AND PROTECTION UNITS FOR EACH 3-PHASE MOTOR IN OR ON BUILDING. INCLUDE OVERVOLTAGE, UNDERVOLTAGE, VOLTAGE IMBALANCE, SINGLE-PHASING AND PHASE REVERSAL PROTECTION. WIRE TO MONITOR EACH PHASE AND INTERFACE WITH EQUIPMENT CONTROL CIRCUIT TO DISCONNECT POWER ON DETECTION OF A POWER ABNORMALITY AND AUTOMATICALLY RECONNECT UPON RESTORATION OF NORMAL CONDITIONS. LOCATION INSIDE STARTER OR CONTROL SECTION OF EQUIPMENT, OR IF NOT FEASIBLE, IN SEPARATE ENCLOSURE NIPPLED TO CONTROLLER, SYCOM MODEL 201-A WITH 0T08 SOCKET BASE OR ACCEPTABLE SUBSTITUTION.

i. VERIFY WITH CAPTIVE AIRE IF SEPARATE 120VAC WIRING PACKAGE FOR MAKE-UP AIR UNITS IS REQUIRED. THIS 120V SIGNAL MUST BE RUN BY ELECTRICIAN FROM DCV TO MAKE-UP AIR SWITCH.

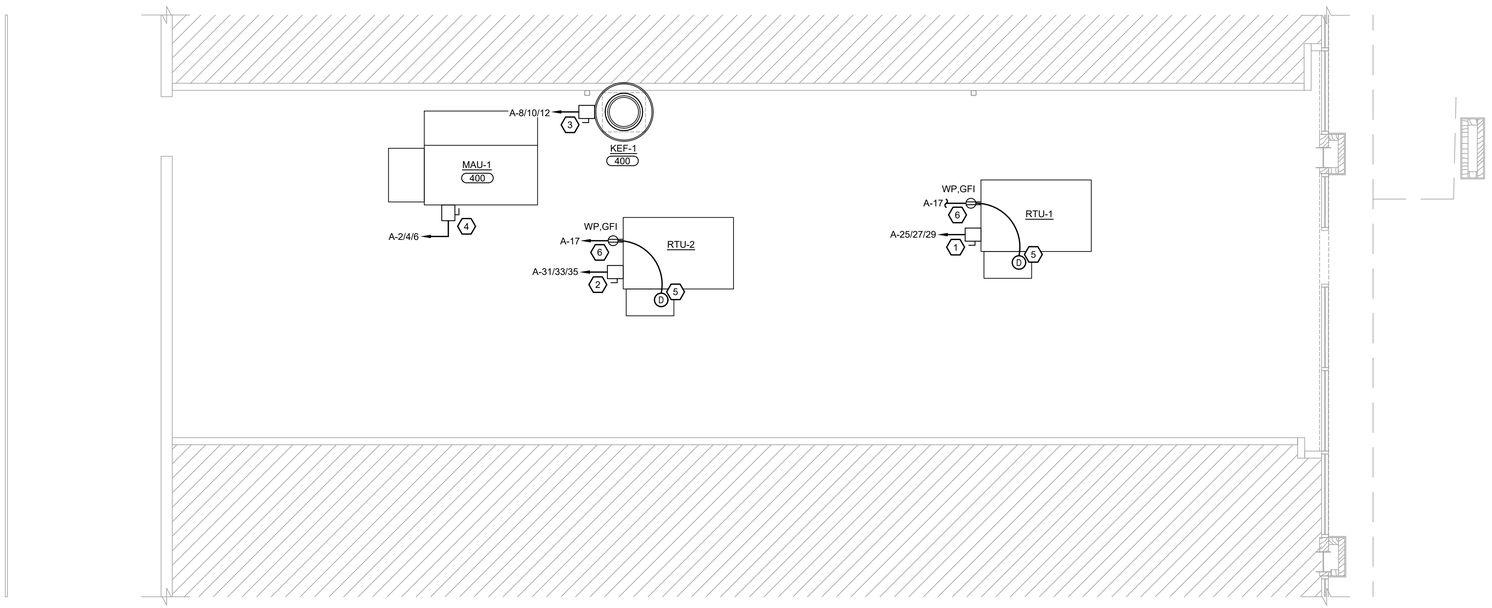
j. REFER TO MECHANICAL DRAWINGS FOR EXACT SIZE, LOCATION, AND ELECTRICAL REQUIREMENTS FOR ALL MOTORS AND MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR WAND PROVIDE ELECTRICAL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

k. CONTRACTOR SHALL CAREFULLY REVIEW CONTRACT DOCUMENTS INCLUDING THE DRAWINGS AND PROJECT MANUAL. INFORMATION REGARDING WORK OF THE VARIOUS TRADES AND SUBCONTRACTORS ARE DISPERSED THROUGHOUT THE DOCUMENTS AND CANNOT BE ACCURATELY DETERMINED WITHOUT THE REFERENCE TO THE FULL SET OF DOCUMENTS.

l. ELECTRICAL CONTRACTOR TO REFER TO CAPTIVE AIRE DRAWINGS AND PROVIDE ALL ASSOCIATED FINAL CONNECTIONS, CONDUIT AND WIRING AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

OUTLET LABELING NOTES

LABEL EACH RECEPTACLE, OUTLET BOX, SWITCH WITH APPLICABLE PANELBOARD DESIGNATION AND CIRCUIT NUMBER. USE ENGRAVE MICARTA, OR LAMICOID LABELS AND KROY OR DYMOTYPE ADHESIVE LABELS FOR THIS PURPOSE. THESE REQUIREMENTS INCLUDES ALL BOXES ABOVE LAY-IN CEILING AND ABOVE ROOF. WHERE MULTIPLE CIRCUITS ARE CONTAINED IN A BOX, INCLUDE ALL CIRCUIT REFERENCE ON COVER LABEL.



1 ELECTRICAL ROOF POWER PLAN

SCALE 1/4" = 1'0"

SARGENTI
5840 LEGACY CIRCLE - STE D230,
PLANO, TX 75024
T|972.521.5150 ★ WWW.SARGARCH.COM

CONSULTANT:

GEMINI ENGINEERING GROUP
Clayton Lucas, P.E. CA-E24065
101 Nightlinger Lane
Millsap, TX 76066
(817) 672-7562

DRAWING SEAL:

LICENSED PROFESSIONAL ENGINEER · CLAYTON LUCAS · E 24065 · ELECTRICAL · STATE OF CALIFORNIA
06/09/2026

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AEB REVIEWED BY: CL

TITLE:

ELECTRICAL ROOF PLAN

SHEET NUMBER:

E103

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Teriyaki Madness- Apple Valley	**Report Page:** (Page 1 of 9)
Project Address: 12218 Apple Valley Road, Suite 108, Apple Valley, CA 92308	**Date Prepared:** 2026-04-06T13:42:11-04:00

This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6 and §141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in §160.5, §170.2(e) and §180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.

A. GENERAL INFORMATION

01	Project Location (city)	Apple Valley	04	Total Conditioned Floor Area (ft²)	1,110
02	Climate Zone	14	05	Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1

● Restaurant

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 / §170.2(e) or §141.0(b)2 / §180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	Area Category Method	1110	N/A	0
☐ New Lighting System - Parking Garage	N/A	0	N/A	0
Total Area of Work (ft²)	1110			

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Teriyaki Madness- Apple Valley	**Report Page:** (Page 2 of 9)
	Date Prepared: 2026-04-06T13:42:11-04:00

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1 /§170.2(e)	Allowed Lighting Power per §140.6(b) /§170.2(e) (Watts)					Adjusted Lighting Power per §140.6(a) /§170.2(e) (Watts)					Compliance Results
	01	02	03		04	05	06		07		08
	Complete Building §140.6(c)1	Area Category §140.6(c)2 /§170.2(e)4	Area Category Additional §140.6(c)2G / §170.2(e)4Av (+)	=	**Total Allowed** (Watts)	Total Designed (Watts)	Adjustments PAF Lighting Control Credits §140.6(a)2 /§170.2(e)1B (-)	=	**Total Adjusted** (Watts) *Includes Adjustments		**05 must be >= 08 §140.6 /§170.2(e)**
	(See Table I)	(See Table I)	(See Table J)			(See Table F)	(See Table P)				
Conditioned		758.9	127	=	885.9	≥ 829		=	829		COMPLIES
Unconditioned				=		≥	0	=			
Controls Compliance (See Table H for Details)											COMPLIES
One-for-one Luminaire Alterations Compliance (See Table Q for Details)											

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Track Lighting has been included in this project, details are provided in Table G.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Teriyaki Madness- Apple Valley	**Report Page:** (Page 3 of 9)
	Date Prepared: 2026-04-06T13:42:11-04:00

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change [1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per §140.6(a)3 / §170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
A	Pendant	No	NA	11	Mfr. Spec	3	No	33	☐	☐
CB	6" Downlight	No	NA	12	Mfr. Spec	17	No	204	☐	☐
CW	6" Downlight	No	NA	12	Mfr. Spec	4	No	48	☐	☐
C4	Wall Wash Track Lights	Yes	NA	180	See Other Section	1	No	180	☐	☐
C1	4" Wall Wash Downlight	No	NA	14	Mfr. Spec	3	No	42	☐	☐
G & G-E	2'x4' LED Troffer	No	NA	25	Mfr. Spec	10	No	250	☐	☐
H	4' Strip	No	NA	35	Mfr. Spec	1	No	35	☐	☐
J	8' LED Tape	No	NA	37	Mfr. Spec	1	No	37	☐	☐
Total Designed Watts: CONDITIONED SPACES								829		

[1]*FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B /§170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*

[2]*Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) /§160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.*

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Teriyaki Madness- Apple Valley	**Report Page:** (Page 4 of 9)
	Date Prepared: 2026-04-06T13:42:11-04:00

G. MODULAR LIGHTING SYSTEMS

This table calculates wattage for modular lighting systems/ track lighting fixtures indicated on Table F and transfers wattage to Table F.

01	02	03					04
Name or Item Tag	Complete Track Description	Calculation Method per §130.0(c)6					Track Wattage
C4	Wall Wash Track Lights	☐ i Installed Luminaires vs Default 30 W/ft	☒ ii Current Limiter	☐ iii Overcurrent Protection Panel	☐ iv Power supplied by driver, power supply or transformer[1]		
		VA of current limiter					180
		180					

[1]*FOOTNOTE: For power-over-Ethernet lighting systems, power provided to installed non-lighting devices may be subtracted from the total power rating of the power-over-Ethernet system.*

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
		Field Inspector	
		Pass	Fail
Mandatory Demand Response §110.12(c)	Shut-off controls §130.1(c) / §160.5(b)4C		
NA < 4,000W subject to multilevel	See Area/Space Level Controls (Column 8)	☐	☐

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Teriyaki Madness- Apple Valley	**Report Page:** (Page 5 of 9)
	Date Prepared: 2026-04-06T13:42:11-04:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Controls §130.1(a) /§160.5(b)4A	Multi-Level Controls §130.1(b) /§160.5(b)4B	Shut-Off Controls §130.1(c) //§160.5(b)4C	Primary/Skylit Daylighting §130.1(d) /§160.5(b)4D	Secondary Daylighting §130.1(d) /§160.5(b)4D	Interlocked Systems §140.6(a)1/ §170.2(e)2A	Field Inspector	
								Pass	Fail
Dining Area	Dining - Family	Readily Accessible and located in the same space.	Dimmer	Auto. Time Switch	Included	NA: General Ltg < 75W	No	☐	☐
Restroom	Restroom	Readily Accessible and located in the same space.	NA: Restrooms	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	Yes	☐	☐
Kitchen	Kitchen/ Food Preparation	Readily Accessible and located in the same space.	Dimmer	Auto. Time Switch	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
							13		
							Plan Sheet Showing Daylit Zones:		
							E101		

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per §140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used .

Conditioned Spaces

01	02	03	04	05	06

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Teriyaki Madness- Apple Valley	**Report Page:** (Page 6 of 9)
	Date Prepared: 2026-04-06T13:42:11-04:00

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category/PAF	PAF
Dining Area	Dining - Family	0.4	508	203.2	Yes	No
Restroom	Restroom	0.65	54	35.1	No	No
Kitchen	Kitchen/ Food Preparation	0.95	548	520.6	No	No
		TOTALS:	1,110	758.9	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

All areas indicated in Table I as using an additional allowance using the Area Category Method have been included in this table to calculate the additional allowance per Table 140.6-C /170.2-M

Conditioned Spaces

01	02	03	04	05	06	07	08	09	10
Area Description	Primary Function Area	Applicable Qualifying Lighting System from Table 140.6-C	Allowed Density (W/ft² or W/lf or W/unit)	Ltg Area, Length or ATM/Mirror (ft², lf or #)	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	Number of Luminaires	Total Design Watts
Dining Area	Dining - Family	Decorative/ Display C	0.25	508	127	C4	180	1	180
						C1	14	3	42
Total Design Watts	Calculated Allowance (Watts):	Total Additional Allowance for this area:							
222	127	127							
		11							
Total Additional Allowance (Watts) CONDITIONED SPACES		127							

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Teriyaki Madness- Apple Valley	**Report Page:** (Page 7 of 9)
	Date Prepared: 2026-04-06T13:42:11-04:00

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. ONE-FOR-ONE LUMINAIRE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Teriyaki Madness- Apple Valley	**Report Page:** (Page 8 of 9)
	Date Prepared: 2026-04-06T13:42:11-04:00

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	Dining Area; Restroom; Kitchen
NRCA-LTI-03-A - Must be submitted for daylight responsive controls.	Dining Area
NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	Restroom

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
Project Name: Teriyaki Madness- Apple Valley	**Report Page:** (Page 9 of 9)
Project Address: 12218 Apple Valley Road, Suite 108, Apple Valley, CA 92308	**Date Prepared:** 2026-04-06T13:42:11-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Clayton Lucas, P.E.	Documentation Author Signature:
Company: Gemini Engineering Group	Signature Date: 06/09/2026
Address: 101 Nightlinger Lane	CEA/AEA/ECC Certification Identification (if applicable):
City/State/Zip: Millsap, TX 76066	Phone: (817) 672-7562

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Person Name: Clayton Lucas, P.E.	Responsible Person Signature:
Responsible Person Scope: Clayton Lucas, P.E.	
Company: Gemini Engineering Group	Date Signed: 06/09/2026
Address: 101 Nightlinger Lane	License: CA-E24065
City/State/Zip: Millsap, TX 76066	Phone: (817) 672-7562

SARGENTI
5540 LEGACY CIRCLE · STE D230,
PLANO, TX 75024
T|972.521.9150 ● WWW.SARGARCH.COM

CONSULTANT:
GEMINI ENGINEERING GROUP
Clayton Lucas, P.E. CA-E24065
101 Nightlinger Lane
Millsap, TX 76066
(817) 672-7562

DRAWING SEAL:

LICENSED PROFESSIONAL ENGINEER · CLAYTON LUCAS · E 24065 · ELECTRICAL · STATE OF CALIFORNIA
06/09/2026

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: AEB REVIEWED BY: CL

TITLE:

ELECTRICAL ENERGY FORMS

SHEET NUMBER:

E104

GENERAL NOTES

a. GENERAL CONDITIONS AND SPECIAL CONDITIONS SHALL APPLY TO THIS CONTRACT. DRAWINGS ARE SCHEMATIC. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS TO MAKE NECESSARY ADJUSTMENTS TO PROVIDE A COMPLETE INSTALLATION AS CONTEMPLATED BY THE DRAWINGS AND SPECIFICATIONS READY FOR USE. PRIOR TO SUBMITTING HIS BID THE CONTRACTOR SHALL INSPECT THE SITE AND INCLUDE IN HIS BID ALL ADJUSTMENTS AND CHANGES REQUIRED DUE TO EXISTING CONDITIONS.

b. ALL WORK SHALL CONFORM TO THE LOCAL BUILDING CODE AND ALL WORK SHALL BE PERFORMED IN A NEAT AND SAFE MANNER.

c. REFER TO PLUMBING SPECIFICATIONS TO PIPING INSULATION REQUIREMENTS.

d. GIVE ALL NECESSARY NOTICES, OBTAIN AND PAY FOR ALL PERMITS, PERFORM ALL TESTS, PAY ALL LOCAL, STATE AND FEDERAL TAXES, FEES AND OTHER COSTS IN CONNECTION WITH THIS WORK. FILE ALL NECESSARY PLANS AND OBTAIN ALL REQUIRED PERMITS OF ALL AGENCIES HAVING JURISDICTION.

e. GUARANTEE ALL WORK AND MATERIAL FREE FROM DEFECTS FOR A PERIOD OF ONE YEAR AFTER COMPLETION OF PROJECT, DURING WHICH ALL REPAIRS SHALL BE MADE AT NO COST TO THE TENANT.

f. DO NOT SCALE FROM THESE DRAWINGS.

g. ALL SINKS TO BE FASTENED TO WALLS AS REQUIRED.

h. PROVIDE INDIVIDUAL SHUT-OFF VALVES AT ALL WATER CONNECTIONS TO EQUIPMENT (LOCATED AT EQUIPMENT CONVENIENT TO OPERATOR).

i. PROVIDE ESCUTCHEONS FOR ALL PIPES PIERCING PARTITIONS AND WALLS.

j. PLUMBING CONTRACTOR SHALL VERIFY ALL INVERTS AND EXISTING CONDITIONS PRIOR TO INSTALLATION OF NEW WORK.

k. PLUMBING CONTRACTOR SHALL PROVIDE FINAL CONNECTION TO ALL EQUIPMENT REQUIRING PLUMBING CONNECTION.

l. LOCATION, TYPE AND SPACING OF FIXTURES SHALL COMPLY WITH LOCAL HANDICAPPED CODE REQUIREMENTS. COORDINATE WITH ARCHITECTURAL PLANS AND DETAILS. PLUMBING CONTRACTOR TO VERIFY CONDITIONS PRIOR TO INSTALLING FIXTURES.

GREASE INTERCEPTOR CALCULATIONS

PROJECT: TERIYAKI MADNESS - APPLE VALLEY, CA

FIXTURE	DFU
THREE COMPARTMENT SINK	2
MOP SINK	3
WOK SINK	2
PREP SINK	2
DRINKING STATION	1
HAND SINK	1
HAND SINK	1
HAND SINK	1
TOTAL DFU	**13**
TOTAL DFU	**13**
GREASE INTERCEPTOR (JENSON 1500 GALLON)	**172**

PER PDI-G101, SECTION 8.0: IT IS RECOMMENDED THAT THE TOTAL CAPACITY IN GALLONS OF FIXTURES BEING SERVED BY AN INTERCEPTOR CONFORMING TO THE ABOVE STANDARD RATINGS,
SHALL NOT EXCEED TWO AND ONE-HALF (2-1/2) TIMES THE CERTIFIED GALLONS PER MINUTE FLOW RATING OF THE SUBJECT INTERCEPTOR.

2025 CALIFORNIA GREEN BUILDING STANDARDS CODE
NONRESIDENTIAL MANDATORY MEASURES

INSPECTOR SIGNOFF ☐

DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION

SECTION 5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:

5.303.3.1 Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type toilets.

Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.

5.303.3.2 Urinals.
5.303.3.2.1 Wall-mounted Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush.
5.303.3.2.2 Floor-mounted Urinals. The effective flush volume of floor-mounted or other urinals shall not exceed 0.5 gallons per flush.

5.303.3.3 Showerheads. [BSC-CG]
5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.
5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.

Note: A hand-held shower shall be considered a showerhead.

5.303.3.4 Faucets and fountains.
5.303.3.4.1 Nonresidential Lavatory faucets. Lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi.

5.303.3.4.2 Kitchen faucets. Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate,but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.

5.303.3.4.3 Wash fountains. Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute/20 [rim space (inches) at 60 psi].

5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per cycle.

5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per minute/20 [rim space (inches) at 60 psi].

Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.

5.303.3.4.6 Pre-rinse spray value
When installed, shall meet the requirements in the California Code of Regulations, Title 20 (Appliance Efficiency Regulations), Section 1605.1 (h)(4) Table H-2, Section 1605.3 (h)(4)(A), and Section 1607 and shall be equipped with an integral automatic shutoff.

FOR REFERENCE ONLY:The following table and code section have been reprinted from the California Code of Regulations, Title 20 (Appliance Efficiency Regulations), Section 1605.1 (h)(4) and Section 1605.3 (h)(4)(A).

TABLE H-2	
STANDARDS FOR COMMERCIAL PRE-RINSE SPRAY VALUES MANUFACTURED ON OR AFTER JANUARY 28, 2019	
PRODUCT CLASS [Spray force in ounce force (ozf)]	MAXIMUM FLOW RATE (GPM)
Product Class 1 (≤5.0 ozf)	1.00
Product Class 2 (>5.0 ozf and ≤ 8.0 ozf)	1.20
Product Class 3 (>8.0 ozf)	1.28

WATER HEATER SCHEDULE

MARK	MFR	MODEL	GAS TYPE	MIN MBH	MAX MBH	MAX GPM @ 80F TEMP RISE	VENT SIZE	COMBUSTION INTAKE SIZE	THERMAL EFFICIENCY
GWH-1	RINNAI	TRX02CUIN	NATURAL	15	398.0	9.7	2" EACH	2" EACH	97%

NOTES:

1. TRX02CUIN CONSISTS OF A SINGLE RACK HOUSING OF TWO WATER HEATERS. REFER TO DETAIL 9 ON SHEET P002.
2. WATER HEATERS ARE 97% HIGH EFFICIENCY CONDENSING TYPE MODELS.
3. WATER HEATERS ARE TO BE PROVIDED WITH OUTDOOR CONCENTRIC VENT ROOF TERMINATION KIT - ONE PER WATER HEATER.
4. PROVIDE WITH RINNAI EZCONNECT CABLES FOR (2) UNITS #REU-EZC-2 AND INCLUDES 2-UNIT INTERIOR WALL HANGING RACK.
5. PROVIDE CONDENSATE PIPE FROM EACH VENT LINE INTO (1) COMMERCIAL NEUTRALIZATION TANK W/MEDIA #1030000067 ROUTED ROOF DRAIN OR NEAREST APPROVED RECEPTOR AS PER LOCAL AHJ.
6. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL NECESSARY COMPONENTS AND HARDWARE AS REQUIRED.
7. CONTRACTOR SHALL ORDER WATER HEATERS THROUGH THE RINNAI NATIONAL ACCOUNT: CONPORATEPRICING@RINNAI.US. INDICATE THE SYSTEM IS FOR TERIYAKI MADNESS.

KITCHEN EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MFR	MODEL	SUPP	INST
201	HOT FOOD TABLE	ADVANCE TABCO	SW-4E-120	KES	KES
300	(1) COMPARTMENT SINK	JOHN BOOS	1B184-1D18L	KES	KES
301	(3) COMPARTMENT SINK	JOHN BOOS	3B18244-2D18-X	KES	GC
302	HAND SINK (WALL MOUNT)	JOHN BOOS	PBHS-W-1410-P-SSLR	KES	GC
305	MOP SINK	EXISTING	EXISTING	-	-
600	WALK IN COOLER (REMOTE)	EXISTING	EXISTING	-	-
700	SODA DISPENSER	BY OTHERS	BY VENDOR	VENDOR	VENDOR
700A	ICE MAKER W/O BIN	SCOTSMAN	C0530SA-1	KES	GC
701	WATER FILTER	SOLVENTUM	HF-20-A020-SR	KES	GC
705	BAG IN A BOX	BY OTHERS	BY OTHERS (LOCATION TBD)	OWNER	GC

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	SAN.	VENT	C.W.	H.W.	REMARKS
201	HOT FOOD TABLE	1"	-	-	-	INDIRECT SANITARY
300	(1) COMPARTMENT SINK	1-1/2"	-	1/2"	1/2"	MAX FLOW RATE: 2.2 GPM, INDIRECT SANITARY. PROVIDE WITH DIVERSEY - OPTIMUS HI FLOW SINGLE - J-FILL YELLOW.
301	(3) COMPARTMENT SINK	3"	2"	1/2"	1/2"	MAX FLOW RATE: 2.2 GPM. PROVIDE WITH DIVERSEY - OPTIMUS HI FLOW SINGLE - J-FILL BLUE AND J-FILL RED.
302	HAND SINK	2"	1-1/2"	1/2"	1/2"	MAX FLOW RATE: 0.5 GPM
305	MOP SINK 24" X 24" 6" DEEP FLOOR BASIN	2"	1-1/2"	3/4"	3/4"	PROVIDE WITH DIVERSEY - J-FILL QUATTRO SELECT OR J-FILL OPTIMUS SELECT.
600	WALK IN COOLER/FREEZER	3/4"	-	-	-	-
700	SODA DISPENSER	-	-	1/2"	-	-
700A	ICE MAKER W/BIN	-	-	1/2"	-	-
701	WATER FILTER	-	-	3/4"	-	-
705	BAG IN BOX	-	-	1/2"	-	-
805	WATER SOFTENER SYSTEM	-	-	1"	-	CULLIGAN - SELECT & SELECT +, WITH 160 LB BRINE TANK.
TD-1	TROUGH DRAIN 12" X 36" T-304 14 GA. S.S.	3"	2"	-	-	BK RESOURCES - #FTRS-1236 - 2-3/4" PAN DEPTH, REMOVABLE 3/16" X 1" STAINLESS STEEL FLAT BAR SUBWAY GRATE, WITH DRAIN INCLUDED
FD	FLOOR DRAIN	2"	1-1/2"	3/8"	-	ZURN - #Z415-BZ1 - TYPE B ROUND STRAINER WITH TRAP PRIMER PROTECTION.
FS-1	FLOOR SINK	3"	2"	3/8"	-	ZURN - #Z1900 - 12"X12"X6" DEEP, ACID RESISTANT BODY, PROVIDE WITH TRAP PRIMER PROTECTION.
LAV	LAVATORY	2"	1-1/2"	1/2"	1/2"	KOHLER - #K-2032 GREENWICH - SYMMONS #SLS-7000-DP4 METERING FAUCET, 0.20 GPM, TRUEBRO HANDI LAV-GUARD #102 P-TRAP AND WATER LINES INSULATION COMPLY WITH ASME A112.18.9
CP	CIRCULATING PUMP	-	-	3/4"	-	BELL & GOSSETT - #NBF-25, 3/4" UNION CONNECTIONS, PROVIDE WITH TC-1 AUTO TIMER KIT & HONEYWELL #L6006 AQUASTAT WITH ADJUSTABLE SETPOINT. 120V/1PH, 125 WATTS.
TMV	THERMOSTATIC MIXING VALVE	-	-	3/8"	3/8"	WATTS - BRONZE BODY UNDERSINK LFUSG-B M1 ASSE STANDARD 1016-96 AND ASSE 1070 LISTED WITH INTEGRAL CHECK VALVES AND ADJUSTMENT CAP WITH LOCKING FEATURE. SET TO 105°F.
WCO	WALL CLEAN OUT	-	-	-	-	ZURN - Z1446, CI BODY, RECESSED, THREADED BRASS PLUG, STAINLESS STEEL ACCESS COVER
FCO	FLOOR CLEANOUT	-	-	-	-	ZURN - Z1400 - COATED CAST IRON BODY, COMBINATION ADJUSTABLE ROUND STAINLESS STEEL COVER AND PLUG TOP ASSEMBLY, GASKET SEAL, ASME 112.36.2

SANITARY SEWER AND WATER SERVICE PLUMBING CALCULATIONS

PROJECT: TERIYAKI MADNESS - APPLE VALLEY, CA

FIXTURE TYPE	QUANTITY	WASTE FIXTURE UNITS PER FIXTURE	TOTAL WASTE FIXTURE UNITS FOR FIXTURE TYPE	WATER FIXTURE UNITS PER FIXTURE	TOTAL WATER FIXTURE UNITS FOR FIXTURE TYPE
WATER CLOSET (FLUSH TANK)	1	3	3	3.5	3.5
LAVATORY	1	1	1	1	1
HAND SINK	3	1	3	1	3
SINK	2	2	4	1.5	3
SINK (SERVICE/MOP)	1	3	3	3	3
SINK (THREE COMP.)	1	3	3	3	3
DRINKING FOUNTAIN	1	0.5	0.5	0.75	0.75
EMERGENCY FLOOR DRAIN	3	0	0	0	0
EMERGENCY TRENCH DRAIN	1	0	0	0	0
FLOOR SINK	3	2	6	0	0
EMERGENCY FLOOR SINK	5	0	0	0	0
TOTAL FIXTURE UNITS:			**23.5**		**17.25**
SERVICE PIPE SIZE:			**4"**		**1"**
DISTANCE FROM METER TO MOST REMOTE FIXTURE (FEET):					**60**
EQUIVALENT LENGTH FOR FITTINGS (FEET):					**15**

PLUMBING SYMBOLS LEGEND

	BALL VALVE
	GATE VALVE
	CHECK VALVE
	BACKFLOW PREVENTER
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	THERMOSTATIC MIXING VALVE
	PIPE UNION
	DIRECTION OF FLOW ARROW
	END CAP
	PIPE TURN UP
	PIPE TURN DOWN
	FLOOR DRAIN
GS	SANITARY SEWER LINE
	COLD WATER LINE
	HOT WATER LINE
	HOT WATER RE-CIRCULATION LINE
FW	FILTERED WATER LINE
V	VENT LINE
	COMPRESSED AIR
	VACUUM LINE
G	GAS LINE
CD	CONDENSATE LINE
	TANK TYPE WATER HEATER
M	WATER METER
	POINT OF CONNECTION
	GRADE CLEAN OUT
	DOUBLE GRADE CLEAN OUT

ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR
CD	CONDENSATE DRAIN
CW	COLD WATER
DF	DRINKING FOUNTAIN
DIA	DIAMETER
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FLA	FULL LOAD AMPS
FW	FILTERED WATER
GPM	GALLONS / MINUTE
HP	HORSEPOWER
HW	HOT WATER
IWH	INSTANTANEOUS WATER HEATER
LAV	LAVATORY
LL	LANDLORD
MCA	MINIMUM CIRCUIT AMPACITY
MOCP	MAXIMUM OVERCURRENT PROTECTION
N.I.C.	NOT IN CONTRACT
NTS	NOT TO SCALE
SS	SANITARY SEWER
TEN	TENANT
T.G.C.	TENANT GENERAL CONTRACTOR
TYP	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WH	TANK TYPE WATER HEATER

NOTE: NOT ALL SYMBOLS OR ABBREVIATIONS MAY APPEAR ON PLANS.

FIELD VERIFY ALL CONDITIONS

DESIGN DRAWINGS ARE SCHEMATIC. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO INSPECT EXISTING FIELD CONDITIONS. THE CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS IN HIS BID.

THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTOR'S COST.

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES. THE PLANS AND SPECIFICATIONS NOT WITHSTANDING, THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

PLUMBING CODES

- 2025 CALIFORNIA PLUMBING CODE (CPC), TITLE 24, PART 5
- 2025 CALIFORNIA ENERGY CODE, TITLE 24, PART 6

SARGENTI
5540 LEGACY CIRCLE - STE D230,
PLANO, TX 75024
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CONSULTANT:
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Millsap, TX 76066
(817) 672-7562

DRAWING SEAL:

LICENSED PROFESSIONAL ENGINEER · ANGELA A. HAWKINS · M 42738 · MECHANICAL · STATE OF CALIFORNIA
06/09/2026

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: RM REVIEWED BY: AH

TITLE:
PLUMBING NOTES, SCHEDULES, LEGEND, AND ABBREVIATIONS

SHEET NUMBER:
P001

PART I - GENERAL

1.01 DESCRIPTION

A. THE PLUMBING CONTRACTOR SHALL BE A LICENSED INSTALLER OF PLUMBING SYSTEMS IN THE CITY WHERE WORK IS PERFORMED.

B. THE CONTRACTOR SHALL BE QUALIFIED WITH AT LEAST 5 YEARS OF SUCCESSFUL INSTALLATION EXPERIENCE ON PROJECTS WITH WORK SIMILAR TO THAT REQUIRED FOR THIS PROJECT.

C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF APPLICABLE BUILDING CODE OF THE LATEST EDITION.

1.02 VERIFYING CONDITIONS

A. EXAMINE ALL DRAWINGS COVERING THE WORK OF THIS SECTION AND REFER TO OTHER DRAWINGS, INCLUDING ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS, WHICH MAY AFFECT THE WORK OF THIS SECTION OR REQUIRE COORDINATION BY SAME.

B. BEFORE STARTING ANY WORK, EXAMINE AND THOROUGHLY CHECK DRAWINGS, DIMENSIONS, SPECIFICATIONS, AND ADJOINING OR UNDERLYING CONDITIONS IN WHICH THE WORK OF THIS SECTION IS TO BE PERFORMED.

C. REPORT, IN WRITING, TO THE ARCHITECT ANY AND ALL CONDITIONS WHICH MAY INTERFERE WITH OR OTHERWISE AFFECT OR PREVENT THE PROPER EXECUTION AND COMPLETION OF THE WORK OF THIS SECTION. DO NOT COMMENCE WORK UNTIL ANY AND ALL SUCH CONDITIONS HAVE BEEN CORRECTED BY THE TRADE OR TRADES RESPONSIBLE.

D. FAILURE TO NOTIFY THE ARCHITECT OF UNSATISFACTORY CONDITIONS WILL BE CONSTRUED AS AN ACCEPTANCE OF ALL CONDITIONS.

E. THE EXECUTION OF THE WORK OF THIS SECTION CONSTITUTES ACCEPTANCE OF THE BASE OR ADJOINING WORK AND OTHER CONDITIONS AS BEING SATISFACTORY IN EVERY RESPECT AND LATER CLAIMS OF DEFECTS IN SUCH CASES WILL NOT BE ALLOWED.

F. THE DRAWINGS INDICATE AND THE SPECIFICATIONS DESCRIBE THE GENERAL ARRANGEMENT AND THE APPROXIMATE LOCATION OF EQUIPMENT, FIXTURES, PIPING, ETC. EXACT LOCATIONS MAY BE ADJUSTED IN THE FIELD TO SUIT EXISTING CONDITIONS.

G. THE CONTRACTOR SHALL, WITHOUT EXTRA COST TO THE OWNER, MAKE ALL REASONABLE MODIFICATIONS IN THE WORK AS MAY BE REQUIRED TO PREVENT CONFLICT WITH THE WORK OF OTHER TRADES, OR FOR THE PROPER INSTALLATION OF THE WORK.

1.03 SHOP DRAWINGS AND SAMPLES

A. SUBMIT SHOP DRAWINGS AND SAMPLES WITH ALL DETAILS AND INFORMATION, AS REQUIRED FOR THE WORK OF THIS SECTION AND IN ACCORDANCE WITH GENERAL CONDITIONS OR AS REQUESTED BY THE ARCHITECT OR ENGINEER.

B. SUBMIT FOR APPROVAL; SAMPLES OF MATERIALS, AFFIDAVITS, CERTIFICATES, ETC., AS REQUIRED BY THE GENERAL CONDITIONS OR AS REQUESTED BY THE ARCHITECT OR ENGINEER.

C. SUBMIT FOR APPROVAL SHOP DRAWINGS AND CATALOG CUTS OF THE FOLLOWING:

1. PLUMBING FIXTURES AND EQUIPMENT
2. VALVES
3. PIPE AND FITTINGS
4. HANGERS
5. INSULATION
6. WATER HEATERS
7. VACUUM BREAKERS
8. PIPING LAYOUT
9. GREASE INTERCEPTORS
10. BACKFLOW PREVENTION DEVICES.

1.04 AS-BUILT DRAWINGS

A. THE CONTRACTOR SHALL KEEP A SET OF PLANS ON THE JOB, NOTING DAILY ALL CHANGES MADE IN CONNECTION WITH THE FINAL INSTALLATION INCLUDING EXACT DIMENSIONED LOCATIONS OF ALL NEW AND UNCOVERED EXISTING UTILITY PIPING OUTSIDE THE BUILDING.

B. PREPARE AND SUBMIT "AS-BUILT" DRAWINGS AT THE COMPLETION OF THE PROJECT.

1.05 TESTS

A. ALL PLUMBING SYSTEMS SHALL BE SUBJECT TO AN OPERATING TEST UNDER DESIGN CONDITIONS TO ENSURE PROPER SEQUENCE AND OPERATION THROUGHOUT THE RANGE OF OPERATION REGARDLESS OF THE SEASON.

B. ALL NEW PLUMBING SYSTEMS SHALL BE OPERATED SEPARATELY AND COINCIDENT WITH OTHER SYSTEMS FOR A PERIOD OF TIME TO DEMONSTRATE TO THE SATISFACTION OF THE OWNER, ENGINEER AND ARCHITECT THE ABILITY OF THE EQUIPMENT TO MEET CAPACITY AND PERFORMANCE REQUIREMENTS WHILE MAINTAINING DESIGN CONDITIONS IN ACCORDANCE WITH THE TRUE INTENT AND PURPOSE OF THESE SPECIFICATIONS

C. MAKE ADJUSTMENTS AS REQUIRED TO ENSURE PROPER FUNCTIONING OF ALL SYSTEMS.

1.06 CLEANING

A. ALL PIPING, FIXTURES, EQUIPMENT, ETC., INSTALLED UNDER THIS CONTRACT SHALL BE THOROUGHLY CLEANED AND PROTECTED DURING CONSTRUCTION AND PUT INTO FIRST-CLASS OPERATING CONDITION BEFORE BEING OFFERED FOR ACCEPTANCE.

B. UPON COMPLETION OF ALL WORK, THE PLUMBING CONTRACTOR SHALL THOROUGHLY CLEAN ALL PLUMBING FIXTURES AND LEAVE ALL ITEMS READY FOR USE BY THE OWNER. ALL FLOOR DRAINS SHALL BE CLEANED AND MANUFACTURERS PROTECTIVE COVERINGS SHALL BE REMOVED.

1.07 LAWS, ORDINANCES, ETC.

A. THE WORK OF THIS CONTRACTOR MUST COMPLY WITH ALL LOCAL LAWS, ORDINANCES AND RULES. THIS CONTRACTOR MUST HAVE THE NECESSARY INSPECTIONS MADE BY THESE AUTHORITIES, PAY ALL THE REQUIRED FEES, AND FURNISH THE OWNER WITH CERTIFICATES OF APPROVAL BEFORE FINAL PAYMENT ON THIS CONTRACT IS MADE. HE SHALL APPLY, PAY FOR, AND OBTAIN ALL PERMITS.

1.08 SUPERVISION

A. THIS CONTRACTOR SHALL HAVE A COMPETENT FOREMAN IN CHARGE OF THE WORK WHO SHALL BE ON THE SITE DURING THE INSTALLATION OF THE MATERIAL FURNISHED UNDER THIS SPECIFICATION UNTIL SAME HAS BEEN PUT IN COMPLETE OPERATIVE CONDITION AND ACCEPTED BY THE OWNER.

1.09 CUTTING AND PATCHING

A. THIS CONTRACTOR SHALL DO ALL CUTTING AND PATCHING FOR PLUMBING WORK AND SHALL COORDINATE SAME WITH ALL OTHER TRADES. ALL CUTTING SHALL BE SUBJECT TO TRADE REGULATIONS. NO CUTTING OF STRUCTURAL MEMBERS SHALL BE DONE WITHOUT THE APPROVAL OF THE ARCHITECT.

PART 2 - MATERIAL

2.01 GENERAL

A. THE PLUMBING SYSTEMS SHALL BE COMPLETE WITH ALL PIPES, FITTINGS, TRAPS, VALVES, HANGERS AND SUPPORTS, INSULATION, ETC. AND ALL OTHER ITEMS NECESSARY FOR COMPLETE AND OPERATING APPROVED TYPE SYSTEM.

B. MANUFACTURERS: FIRMS REGULARLY ENGAGED IN MANUFACTURE OF PRODUCTS OF THIS TYPE WHOSE PRODUCTS HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR NOT LESS THAN 5 YEARS.

C. UL COMPLIANCE: PROVIDE COMPONENTS WITH UL LISTING AND LABELING WHEN THERE IS AN APPLICABLE UL CATEGORY.

D. PROVIDE MATERIALS, PRODUCTS, AND FABRICATIONS THAT COMPLY WITH ENVIRONMENTAL PROTECTION AGENCY (EPA) REQUIREMENTS AND RECOMMENDATIONS REGARDING LEAD CONTENT AND CONTRIBUTION OF LEAD TO POTABLE WATER, THAT HAVE NO LEAD OR LEAD ALLOYS IN CONTACT WITH POTABLE WATER, AND THAT DO NOT CONTRIBUTE TO OR CAUSE LEAD IN POTABLE WATER.

E. PROVIDE MATERIALS, PRODUCTS, AND FABRICATIONS THAT COMPLY WITH ENVIRONMENTAL PROTECTION AGENCY (EPA) REQUIREMENTS AND RECOMMENDATIONS REGARDING LEAD CONTENT AND CONTRIBUTION OF LEAD TO POTABLE WATER, THAT HAVE NO LEAD OR LEAD ALLOYS IN CONTACT WITH POTABLE WATER, AND THAT DO NOT CONTRIBUTE TO OR CAUSE LEAD IN POTABLE WATER.

2.02 SANITARY WASTE, VENT, AND STORM WATER DRAINAGE PIPE AND FITTINGS

A. SANITARY SEWER - CAST IRON, COPPER, OR PVC PIPING MAY BE USED EXCEPT THAT ALL PIPING BELOW GRADE SHALL BE PVC. VENTS TWO (2") INCHES IN SIZE AND SMALLER MAY BE COPPER PIPING.

2.04 COLD WATER AND HOT WATER PIPE AND FITTINGS

A. DOMESTIC COLD AND HOT WATER PIPING SHALL BE COPPER TYPE "L" WITH WROUGHT COPPER FITTINGS. ALL WATER PIPING SHALL BE INSULATED WITH ARMAFLEX OR EQUIVALENT INSULATING TO A THICKNESS OF 1".

B. ALL SUPPLIES THROUGH WALLS TO FIXTURES SHALL BE 85% RED BRASS WITH THREADED BRASS FITTINGS. ALL EXPOSED PIPING IN FINISHED SPACES SHALL BE CHROME PLATED 85% RED BRASS.

1.01 GAS PIPING (ABOVE GROUND, AND INTERIOR)

A. STEEL: BLACK STEEL, SCHEDULE 40, ASTM A53, A120, OR ANSI B36.10; 4" AND SMALLER, MALLEABLE IRON SCREWED FITTINGS, 150 LBS., ANSI B16.4; 2_1/2" AND LARGER, WROUGHT STEEL BUTT WELDING FITTINGS, ANSI B16.9.

1. LINE SIZES 1" AND SMALLER TO BE SOCKET WELDED.
2. LINE SIZES 1-1/4" AND LARGER TO BE BUTT-WELDED.

1.02 GAS PIPING (UNDERGROUND)

A. PLASTIC: THERMOPLASTIC GAS PRESSURE PIPE AND FITTINGS, SDR 11 POLYETHYLENE PE2306 GRADE P23 CLASS C, WITH #14 STRANDED COPPER TW COMPANION WIRE.

B. FACTORY PREBENT, COATED STEEL RISERS, 2" AND SMALLER.

1. ANODELESS TYPE RISERS.
2. MEET ASTM D2513 AND DOT 192.283.
3. CSA APPROVED AND IAPMO LISTED.
4. EPOXY COATED.
5. SCHEDULE 40 STEEL CASING OR COLD FORMED CARBON STEEL ERW TUBING.
6. FACTORY INSTALLED TRACER WIRE.
7. MODEL: CENTRAL PLASTICS ANODELESS SERVICE RISERS.

C. FACTORY PREBENT, COATED STEEL RISERS, 2 1/2" AND 3".

1. ANODE PROTECTED.
2. MEET ASTM D2513 AND DOT 192.283.
3. CSA APPROVED AND IAPMO LISTED.
4. EPOXY COATED.
5. SCHEDULE 40 STEEL CASING.
6. FACTORY INSTALLED TRACER WIRE AND ANODE CONNECTION.
7. PROTECTED BY AN ANODE.
8. MODEL: CENTRAL PLASTICS TRANSITION SERVICE RISERS.

D. JOINTS: FUSION JOINTS, ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

E. MANUFACTURERS: NIPAK POLYETHYLENE, CONTINENTAL MARK II, OR PHILLIPS MARLEX TR_418.

F. EPOXY RESIN: REINFORCED EPOXY RESIN GAS PRESSURE PIPE FITTING, SCHEDULE 40, ASTM D2517, WITH #14 STRANDED COPPER TW COMPANION WIRE

G. STEEL, PROTECTED: GALVANIZED STEEL, SCHEDULE 40, ASTM A120; MALLEABLE IRON SCREWED FITTINGS, 150 LBS., ANSI B16.4; PLASTIC EXTRUDED COATING (EXTRUCOAT) WITH HOT_APPLIED COAL TAR TAPE COATING (TAPECOAT 20) FOR FITTINGS OR HOT_APPLIED COAL TAR TAPE COATING (TAPECOAT 20) FOR PIPE AND FITTINGS, FEDERAL SPECIFICATIONS L_T_1512. PROVIDE ANODES TO CATHODICALLY PROTECT METALLIC PIPE IN GROUND.

H. CORRUGATED STAINLESS STEEL TUBING: "GASTITE ©" ANSI/IAS LC-1. ICBO EVALUATION REPORT ER-5122.

1. ASTM A240 TYPE 304, 321 CORRUGATED STAINLESS STEEL TUBING (THM 1042) WITH A MIN. WALL THICKNESS OF .010. JACKETING TO BE TENITE POLYETHYLENE MEETING THE REQUIREMENTS OF ASTM E84 FOR FLAME SPREAD AND SMOKE DENSITY.

2. ALL MECHANICAL TUBE FITTINGS ARE TO BE SAE CA360 BRASS INCORPORATING DOUBLE WALL FLARE FOR SEALING AND "JACKET LOCK "JACKET CAPTURING FOR STEEL TUBING PROTECTION.

1.03 VENTING (GAS_FIRED APPLIANCES)

A. METAL: UL LISTED, DOUBLE WALL, TYPE B OR BW AS REQUIRED BY APPLIANCE LISTING; UL LISTED ANTI DOWN_DRAFT RAINCAP.

1.04 GAS PRESSURE REGULATORS (IF APPLICABLE)

A. PROVIDE ADJUSTABLE, SINGLE STAGED, STEEL JACKETED, CORROSION RESISTANT, ELEVATION COMPENSATED, SPRING_LOADED REGULATOR WITH INTERNAL RELIEF VALVE, SCREENED VENT, " NPT GAUGE PORT WITH THREADED PIPE PLUG FOR HIGH_PRESSURE SIDE TEST GAUGE, SIZED FOR INDICATED FLOW RATE AT SPECIFIC GRAVITY AND APPROPRIATE PRESSURE.

1. FISHER S102.
2. FISHER S201.

2.06 EXPANSION JOINTS AND ANCHORS

A. PROPER PROVISIONS SHALL BE MADE FOR EXPANSION AND CONTRACTION OF ALL PIPES AND THE PIPING SHALL BE ARRANGED WITH ALL NECESSARY PIPE EXPANSION LOOPS AND SWING JOINTS.

B. MAINS AND BRANCHES MUST BE SO INSTALLED WITH SWING CONNECTIONS SO AS TO PERMIT FREE EXPANSION OF PIPING.

2.07 HANGERS AND SUPPORTS

A. FURNISH ALL NECESSARY HANGERS, SUPPORTS, INSERTS, CLAMPS, ETC. AS REQUIRED. ALL HANGERS AND SUPPORTS SHALL BE OF HEAVY CONSTRUCTION AND SUITABLE FOR THE SIZE OF PIPE TO BE SUPPORTED. ALL INSERTS AND HANGERS SHALL BE INSTALLED TO CLEAR WORK OF OTHER TRADES.

B. ALL HORIZONTAL CAST IRON PIPING SHALL BE SUPPORTED ON FIVE (5) FOOT CENTERS AND AT ALL JOINTS. ALL HORIZONTAL SCREWED PIPING SHALL BE SUPPORTED BY HANGERS SPACED NOT OVER TEN (10) FEET APART. ALL BRANCHES SHALL HAVE SEPARATE HANGERS. HANGERS SHALL BE CLEVIS TYPE, CONSTRUCTED OF HEAVY BAR STEEL STOCK, WITH PROPER SIZE SUSPENSION ROD AND LOCKNUTS. WHERE PIPING IS SUPPORTED FROM THE FLOOR, PROVIDE ADJUSTABLE PIPE SADDLE SUPPORT WITH U-BOLT.

C. WHERE PIPES ARE TO BE INSULATED, THE HANGERS SHALL BE OF AMPLE SIZE TO PROVIDE FOR THE COVERING SPECIFIED AND BE PROVIDED WITH GALVANIZED STEEL INSULATION SHIELDS.

D. ALL HANGERS, RODS, BEAM CLAMPS, ETC. SHALL BE SHOP ZINC COATED.

E. ALL HORIZONTAL COPPER TUBING SHALL BE SUPPORTED BY HANGERS NOT OVER SIX (6) FEET APART FOR PIPING 1-1/4 INCH AND SMALLER AND NOT OVER TEN (10) FEET APART FOR PIPING 1-1/2 INCH AND LARGER. ALLOW BRANCHES SHALL HAVE SEPARATE HANGERS. HANGERS SHALL BE CLEVIS TYPE WITH COPPER BOTTOM SUPPORT. IF CHANNEL OR ANGLE IRON TRAPEZE HANGERS ARE USED, THE SPACE ON HANGERS FOR THE COPPER TUBING SHALL BE WRAPPED WITH LEAD SHIELDS TO ISOLATE TUBING.

F. IN AREAS OF STEEL CONSTRUCTION, PIPE HANGERS SHALL BE SUPPORTED BY BEAM CLAMPS. COORDINATE WITH ENGINEER FOR MAXIMUM LOADING. BEAM CLAMPS SHALL BE STEEL WITH BOLT, NUT AND SOCKET THREADED FOR ROD CONNECTION AND SHALL BE F & S MANUFACTURING COMPANY FIG. #45, CENTRAL IRON, GRINNELL COMPANY, OR APPROVED EQUAL.

2.08 INSULATION

A. INSULATION SHALL BE MANVILLE MICRO-LOK AP-T PLUS FIBERGLASS INSULATION. FITTINGS AND VALVES SHALL BE INSULATED WITH MANVILLE ZESTON 2000 PVC INSULATED FITTING COVERS. INSTALL ALL INSULATION AS PER MANUFACTURERS RECOMMENDATIONS. ALL INSULATION MATERIAL SHALL COMPLY WITH THE LOCAL CODE REQUIREMENTS FOR OF A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DEVELOPED RATING NOT TO EXCEED 50.

B. COLD WATER PIPING UP TO 1-1/4" SHALL BE COVERED IN 1/2" THICK INSULATION. COLD WATER PIPING 1-1/2" OR GREATER SHALL BE COVERED IN 1" THICK INSULATION. HOT WATER PIPING UP TO 1-1/4" SHALL BE COVERED IN 1" THICK INSULATION. HOT WATER PIPING 1-1/2" OR GREATER SHALL BE COVERED IN 1-1/2" THICK INSULATION.

2.09 VALVES

A. STOP VALVES, EXCEPT FIXTURE STOPS, ON HOT AND COLD WATER LINES 2 IN. AND SMALLER SHALL BE FULL PORT 400 LB. NON-SHOCK BRONZE BALL VALVES, NIBCO T-595-Y FOR THREADED CONNECTIONS, AND NIBCO S-595-Y FOR COPPER TO COPPER, OR APPROVED OTHER.

B. GLOBE VALVES UP TO AND INCLUDING 3 IN. SHALL BE SCREW-OVER BONNET, COMPOSITION DISC, BRASS, NIBCO T-211 FOR THREADED CONNECTIONS AND S-211 FO SOLDER CONNECTIONS, OR APPROVED OTHER.

C. CHECK VALVES SHALL BE OF THE SWING-TYPE, SIZES UP TO AND INCLUDING 3 IN. SHALL BE ALL BRASS, 125 LB. S.W.P., NIBCO T-413 FOR THREADED CONNECTIONS & NIBCO S-413 FOR SOLDER CONNECTIONS OR APPROVED OTHER.

2.10 VALVE TAGS AND CHART

A. EACH VALVE, EXCEPT VALVES AT FIXTURES, SHALL HAVE A 2 INCH DIAMETER BRASS TAG WITH 1 INCH HIGH NUMERAL STAMPED THEREON, SECURED TO THE VALVE BY MEANS OF BRASS'S HOOK OR BRASS CHAIN. EACH SYSTEM TO HAVE A LETTER DESIGNATION IDENTIFYING SOURCE AS WELL.

B. THE CONTRACTOR SHALL FURNISH AN APPROVED, NEATLY DRAWN VALVE CHART, PROPERLY FRAMED, SHOWING THE USE AND LOCATION OF EACH VALVE THAT IS TAGGED.

2.11 SHOCK ARRESTORS

A. SHOCK ARRESTORS SHALL BE JONESPEC MODEL #55000 SERIES OR APPROVED EQUAL.

2.12 BACKFLOW PREVENTION DEVICES

A. VACUUM BREAKER (TYPE"A") - CAST BRASS C.P. IF EXPOSED TO PUBLIC VIEW SIMILAR TO WATTS NO. 288A. (NOT SUBJECT TO CONSTANT PRESSURE.)

B. VACUUM BREAKER (TYPE"B") - CAST BRASS C.P. IF EXPOSED TO PUBLIC VIEW SIMILAR TO WATTS NO. 909-S.

C. VACUUM BREAKER (TYPE"C") - CAST BRASS C.P. IF EXPOSED TO PUBLIC VIEW SIMILAR TO WATTS NO. 800MCQT. (CONSTANT PRESSURE V.B.)

D. VACUUM BREAKER (TYPE"D") - CAST BRASS C.P. IF EXPOSED TO PUBLIC VIEW SIMILAR TO WATTS NO. N9C. (CONSTANT PRESSURE V.B.)

2.13 CONNECTION TO MISC. EQUIPMENT

A. PROVIDE ALL NECESSARY PIPE, FITTINGS, VALVES, ETC. EXCEPT AS OTHERWISE SPECIFIED AND MAKE ALL FINAL PLUMBING PIPING CONNECTIONS, INCLUDING WASTE, VENT, HOT AND COLD WATER, ETC., TO ALL EQUIPMENT REQUIRING SAME, FURNISHED "UNDER ANOTHER SECTION OF THE SPECIFICATIONS"

2.14 CONDENSATE DRAIN PIPING

A. CONDENSATE DRAIN PIPING SHALL BE TYPE "M" COPPER OR SCHEDULE 40 PVC, WHERE PERMITTED BY LOCAL CODE.

2.15 GUARANTEE

A. THIS CONTRACTOR SHALL GUARANTEE FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE BY THE OWNERS, ALL MATERIALS, APPARATUS AND WORKMANSHIP WHETHER FURNISHED BY HIMSELF OR BY HIS SUBCONTRACTORS AND HE SHALL REPLACE OR REPAIR IN A MANNER APPROVED BY THE ARCHITECTS, WITHOUT COST TO THE OWNER, ANY PARTS OR PARTS OF THE WORK WHICH MAY PROVE DEFECTIVE OR UNSATISFACTORY WITHIN THE PERIOD OF THE GUARANTEE.

B. WHERE SPECIAL GUARANTEES COVERING INSTALLATION, OPERATION OR PERFORMANCE OF ANY SYSTEMS OR APPLIANCES FURNISHED UNDER THIS CONTRACTOR ARE REQUIRED, THE FULL RESPONSIBILITY FOR THE FULFILLMENT OF SUCH GUARANTEES MUST BE ASSUMED BY THE CONTRACTOR, WHO SHALL OBTAIN WRITTEN GUARANTEES, IN TRIPLICATE, WHICH SHALL BE FILED WITH THE ARCHITECT BEFORE FINAL ACCEPTANCE.

C. CONTRACTOR WILL BE RESPONSIBLE FOR ALL LEAKS IN ALL PIPES FOR A PERIOD OF ONE YEAR FROM THE DATE OF COMPLETION OF WORK UNDER THIS CONTRACT. CONTRACTOR SHALL REPAIR AT NO COST TO THE OWNER, ALL SUCH LEAKS WHICH OCCUR AFTER COMPLETION OF THIS CONTRACT UPON 24 HOURS NOTICE THEREOF BY THE CONSTRUCTION MANAGER/GENERAL CONTRACTOR. LEAKS WHICH OCCUR PRIOR TO THE COMPLETION OF THIS CONTRACT SHALL BE REPAIRED AT ONCE. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY SUCH LEAKS AND THE REPAIR THEREOF AND WILL REIMBURSE THE CONSTRUCTION MANAGER/GENERAL CONTRACTOR FOR ALL EXPENSE INCURRED THEREBY.

D. DISINFECTION THE POTABLE WATER SYSTEM SHALL BE DISINFECTED PRIOR TO USE BY A METHOD OF DISINFECTION IN ACCORDANCE WITH THE NATIONAL PLUMBING CODE CHAPTER 10 PARAGRAPH-10.9. THE POTABLE WATER PURITY TEST RESULT FROM A NEW JERSEY CERTIFIED TESTER SHALL BE SUBMITTED FOR ENGINEER'S REVIEW AND APPROVAL.

2.16 PRESSURE REDUCING VALVE IF APPLICABLE (DOMESTIC WATER)

A. SIZE 1/2" - 2-1/2" THREADED BRONZE BODY CONSTRUCTION RENEWABLE STAINLESS STEEL SEAT. HIGH TEMPERATURE RESISTING DIAPHRAGM, SPRING CAGE CONSTRUCTION AND STRAINER. WATTS NO. 223S OR APPROVED EQUAL. SEE DRAWINGS FOR PSI SETTINGS.

2.17 PLUMBING FIXTURES AND EQUIPMENT

A. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL PLUMBING FIXTURES AND APPLIANCES, UNLESS OTHERWISE NOTED, AND MAKE ALL FINAL CONNECTIONS AS REQUIRED.

B. REFER TO ARCHITECTURAL PLANS AND/OR SPECIFICATIONS FOR EXACT PLUMBING FIXTURE TYPE, MAKE AND MOUNTING HEIGHTS.

WHEN REQUIRED, IT IS THE OWNER'S RESPONSIBILITY TO CONTRACT WITH A COMMISSIONING AUTHORITY TO COMPLY WITH LOCAL CODES.

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STATE OF CALIFORNIA
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LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

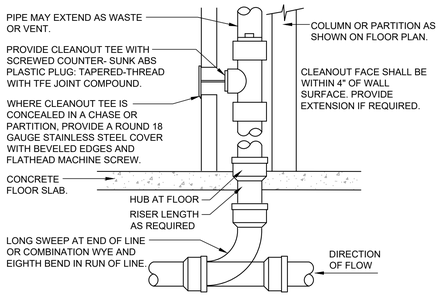
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: RM REVIEWED BY: AH

TITLE:

PLUMBING SPECIFICATIONS

SHEET NUMBER:

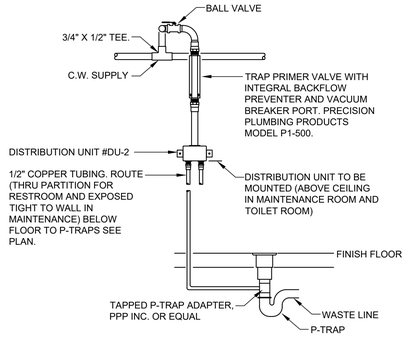
P001.1



PROVIDE WCO WHERE SHOWN ON PLAN, AND ON SANITARY WASTE BRANCHES NOT SERVED WITH A FLOOR CLEANOUT: LOCATE ABOVE FIXTURE FLOOD RIM WITHIN 4' OF FLOOR. CONSULT LOCAL CODES FOR OTHER WCO REQUIREMENTS.

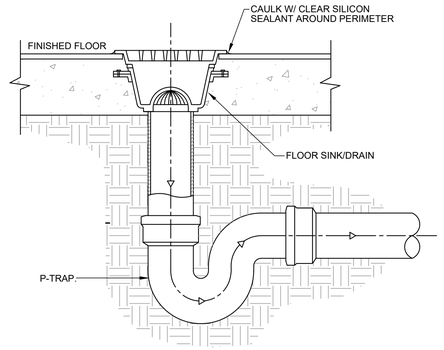
1 WALL CLEAN OUT DETAIL

SCALE N.T.S.



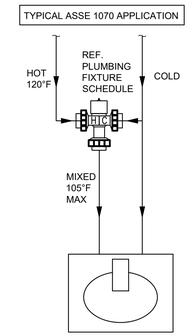
2 TRAP PRIMER DETAIL

SCALE N.T.S.



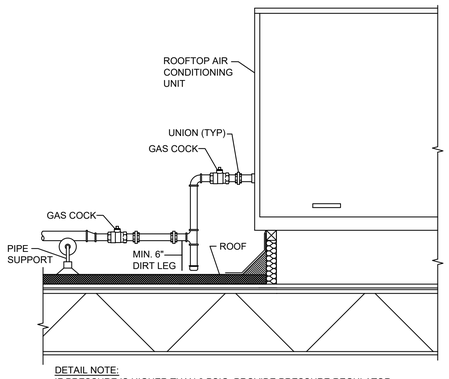
3 FLOOR SINK DETAIL

SCALE N.T.S.



4 THERMOSTATIC MIXING VALVE DETAIL

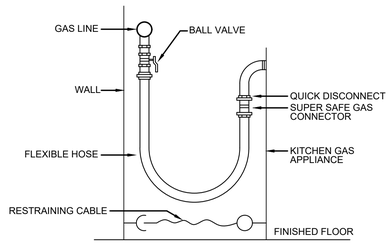
SCALE N.T.S.



DETAIL NOTE:
IF PRESSURE IS HIGHER THAN 2 PSIG, PROVIDE PRESSURE REGULATOR CAPABLE OF REDUCING LINE PRESSURE OF TO GAS PRESSURE RECOMMENDED BY THE ROOFTOP MANUFACTURER

5 GAS CONNECTION DETAIL

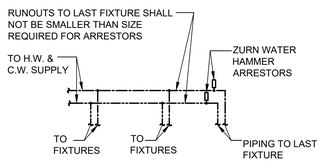
SCALE N.T.S.



6 KITCHEN EQUIP. GAS CONNECTION

SCALE N.T.S.

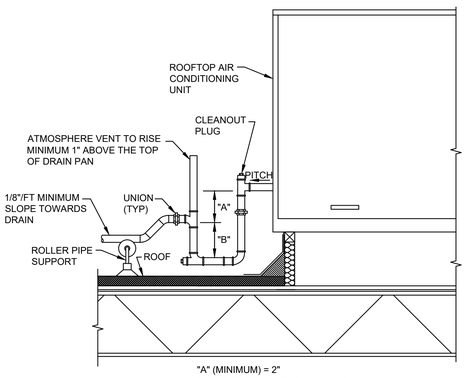
WATER HAMMER ARRESTOR SIZING CHART	
FIXTURE UNIT RATING	CONNECTION TO SUPPLY LINE
1-11	3/4"
12-32	1"
33-60	1"
61-113	1"
114-154	1"
155-330	1"



NOTE: USE TABLE 10-1 UNIFORM PLUMBING CODE FOR FIXTURE UNITS, FOR SIZING WATER HAMMER ARRESTORS. TABLE APPLIES TO BOTH UPC & IPC.

7 WATER HAMMER ARRESTOR DETAIL

SCALE N.T.S.



"A" (MINIMUM) = 2"
"B" = EXT. S.P. X 1.5 (3" MINIMUM)

8 CONDENSATE DETAIL

SCALE N.T.S.

Note:

Condensate piping shall be CPVC or PVC material and shall not be smaller than the drain connection on the appliance.

Components of the condensate drainage shall be CPVC or PVC material. All components shall be selected for the pressure and temperature rating of the installation.

Where the drain pipes from more than one unit are manifolded together for condensate drainage, the pipe or tubing shall be sized in accordance with an approved method as dictated by local codes.

Condensate must be disposed of according to local codes.

Pump should be controlled by an Aquastat, Timer or Combination Aquastat and Timer.

Pump should be sized to maintain circulation loop temperature.

Pump should be sized to overcome the pressure loss through the tankless water heater, supply, and return plumbing. Reference the Rinnai Hot Water System Design Manual for pump sizing guidelines.

Pump should be of bronze or stainless construction.

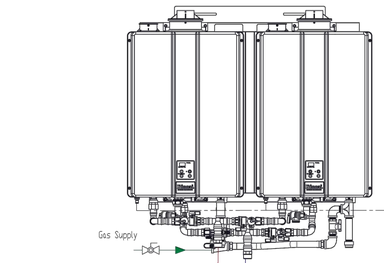
Reference the Common Vent Installation Manual for common vent options. Air intake shown for direct vent installations only.

Reference Water Heater ID Manual for cascading instructions.

Ensure tankless heaters are installed in parallel to maximize system output.

Contact Application Engineering Center of Excellence if alternate piping arrangements will be considered.

Balancing of hot water risers may be necessary after installation to ensure consistent hot water delivery.



THIRD ANGLE PROJECTION

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This is not an engineering drawing; it is intended only as a guide and not as a replacement for professional engineering project drawings. This drawing is not intended to describe a complete system. It is up to the contractor or engineer to determine the necessary components and configuration of the particular system to be installed. The drawing does not imply compliance with local building code requirements. It is the responsibility of the engineer or contractor to ensure that the installation is in accordance with all local building codes. Confer with local building officials before installation.

UNLESS OTHERWISE SPECIFIED
TOLERANCES
Sheet Metal X.XX = ± 0.030
X.XXX = ± 0.010
fraction = 1/32
Angle = ± 1°
MACHINED X.XXX = ± 0.005
Angle = ± 0.05 °
INTERPRET GEOMETRIC TOLERANCING PER
MATERIAL
FINISH
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	MD	6.8.2023
CHECKED	JA	6.8.23
ENG APPR.		
COMMENTS:		

TITLE: Rinnai Systems Design Manual

SIZE B | DWG. NO. TRX - CIRC | REV

SCALE: NTS | WEIGHT: | SHEET 1 OF 1

9 WATER HEATER DETAIL

SCALE N.T.S.

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DRAWING SEAL:

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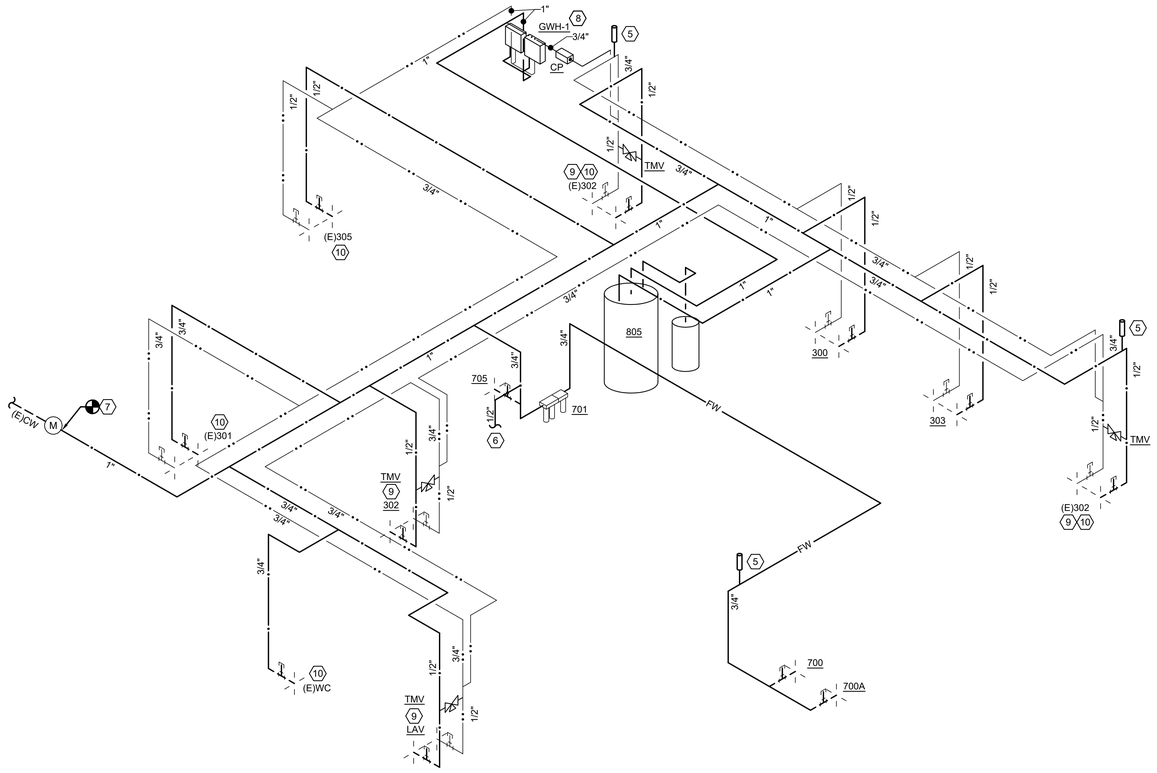
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REVIEWED BY: AH

TITLE:

PLUMBING DETAILS

SHEET NUMBER:

P002



1 DOMESTIC WATER ISOMETRIC

SCALE NTS

NOTE:

THE WATER CONNECTION TO EACH NON-CARBONATED BEVERAGE DISPENSER SHALL HAVE A DUAL CHECK ATMOSPHERIC BACKFLOW PREVENTOR EQUAL TO "WATTS" #SD-3, ASSE 1022 APPROVED.

NOTE:

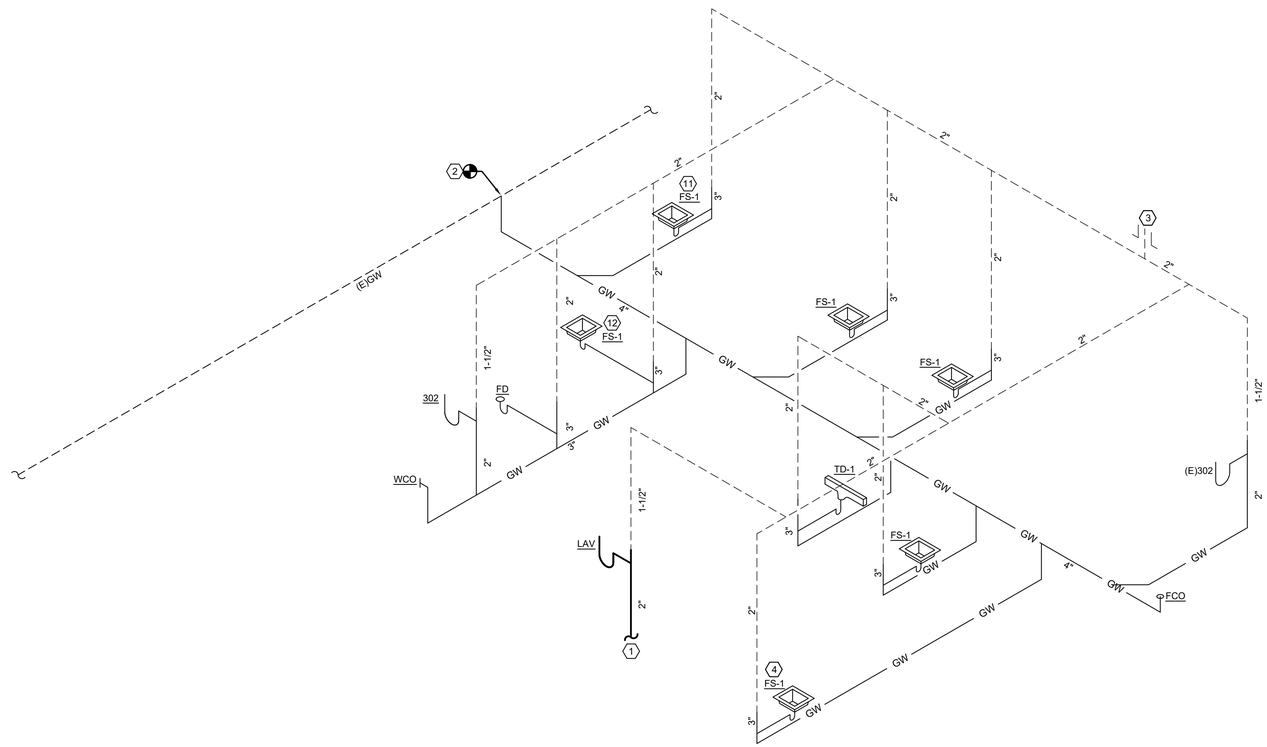
THE WATER CONNECTION TO EACH CARBONATED BEVERAGE DISPENSER SHALL HAVE A TESTABLE REDUCED PRESSURE PRINCIPLE BACKFLOW ASSEMBLY EQUAL TO "WATTS" SS009M-QT, ASSE 1013 APPROVED.

KEYED NOTES (#)

1. CONNECT NEW SANITARY SEWER PIPING INTO EXISTING SANITARY SEWER PIPING SERVING THE RESTROOM. VERIFY SIZE, ROUTING, INVERT, CONNECTION POINT, AND LOCATION PRIOR TO BID.
2. CONNECT NEW 4" GREASE WASTE PIPING INTO EXISTING GREASE WASTE PIPING AT THE LOCATION SHOWN. VERIFY SIZE, ROUTING, INVERT, CONNECTION POINT, AND LOCATION PRIOR TO BID.
3. 4" VENT THRU ROOF. MAINTAIN A CLEARANCE OF 10' FROM FRESH AIR INTAKES.
4. PROVIDE CORROSION RESISTANT WASTE AND VENT PIPING FROM SODA DISPENSER FLOOR SINK TO THE TIE-IN WITH THE NEXT DOWNSTREAM FLUSHING FIXTURE AND VENT (DMV PVC IS COMMONLY USED FOR THIS PURPOSE).
5. INSTALL WATER HAMMER ARRESTOR. INSTALL ABOVE CEILING OR WITH IN-WALL ACCESS PANEL
6. PROVIDE PPP INC. P2-500 TRAP PRIMER ABOVE CEILING OR IN WALL WITH ACCESS PANEL.
7. CONNECT NEW 1" DOMESTIC WATER PIPING TO EXISTING WATER METER AT THE LOCATION SHOWN. FIELD VERIFY LOCATION PRIOR TO BID. COORDINATE ALL METER AND BACKFLOW REQUIREMENTS AND LOCATIONS WITH LANDLORD PRIOR TO BID. NOTIFY ARCHITECT AND ENGINEER OF RECORD IF PRESSURE AT FURTHEST FIXTURE IS NOT 20 PSI FOR POSSIBLE BOOSTER PUMP INSTALLATION. CONTACT ARCHITECT AND ENGINEER OF RECORD IF PRESSURE IS OVER 80 PSI AFTER TENANT CONNECTION POINT FOR POSSIBLE PRESSURE REDUCING VALVE INSTALLATION.
8. TURN COLD WATER PIPING DOWN FOR CONNECTION TO TANKLESS WATER HEATERS BELOW. MOUNT TANKLESS WATER HEATERS ABOVE MOP SINK AS HIGH AS POSSIBLE. INSTALL PER WATER HEATER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
9. PROVIDE MIXING VALVES SET AT 105° F. HOT WATER LOOP SHALL DROP FROM OVERHEAD TO WITHIN 0.5 FEET OF LAVATORY CONNECTION AS DIRECTED BY CEC.
10. PROVIDE NEW DOMESTIC COLD AND/OR HOT WATER PIPING TO EXISTING FIXTURE AS SHOWN.
11. ROUTE AND INDIRECTLY DRAIN CONDENSATE PIPING FROM WATER HEATERS VIA AIR GAP TO FLOOR SINK.
12. ROUTE AND INDIRECTLY DRAIN CONDENSATE PIPING FROM WALK IN COOLER VIA AIR GAP TO FLOOR SINK.

KITCHEN EQUIPMENT SCHEDULE

MARK	DESCRIPTION
201	HOT FOOD TABLE
300	(1) COMPARTMENT SINK
301	(3) COMPARTMENT SINK
302	HAND SINK (WALL MOUNT)
303	WOK SINK
305	MOP SINK
600	WALK IN COOLER (REMOTE)
700	SODA DISPENSER
700A	ICE MAKER W/O BIN
701	WATER FILTER
705	BAG IN A BOX



2 SANITARY SEWER AND VENT ISOMETRIC

SCALE NTS

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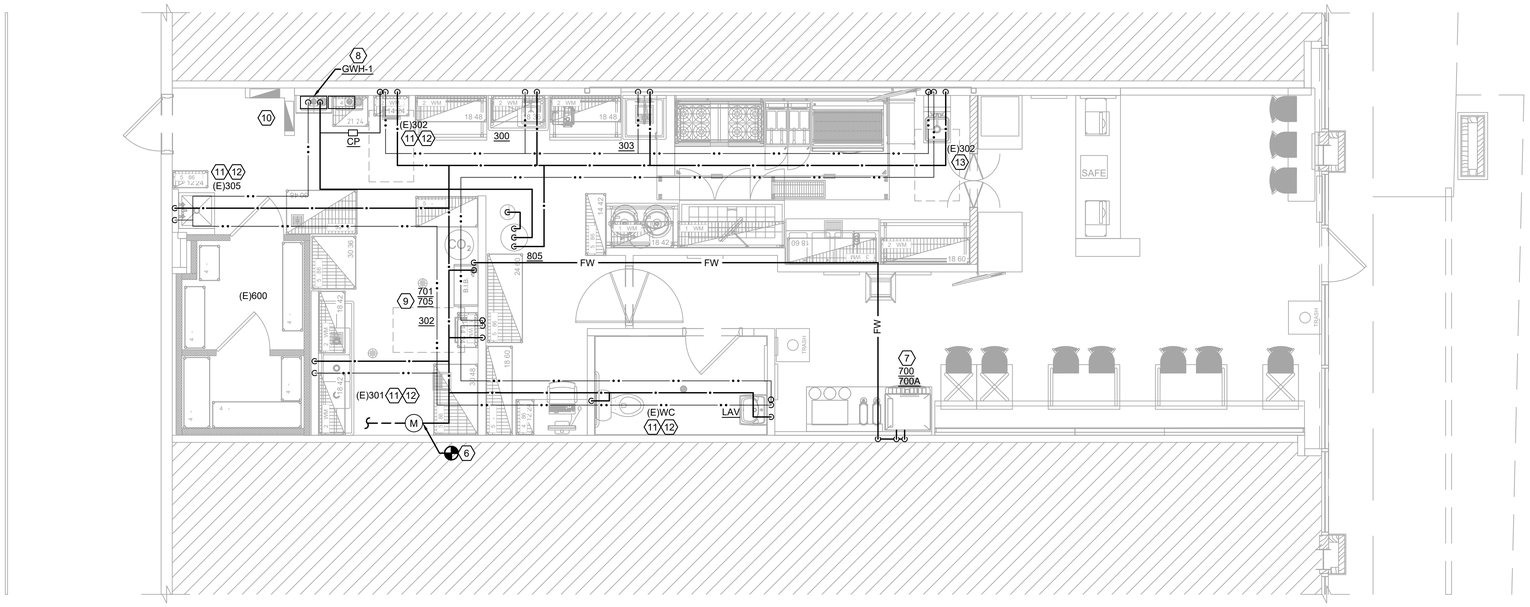
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DRAWN BY: RM REVIEWED BY: AH

TITLE:

PLUMBING ISOMETRICS

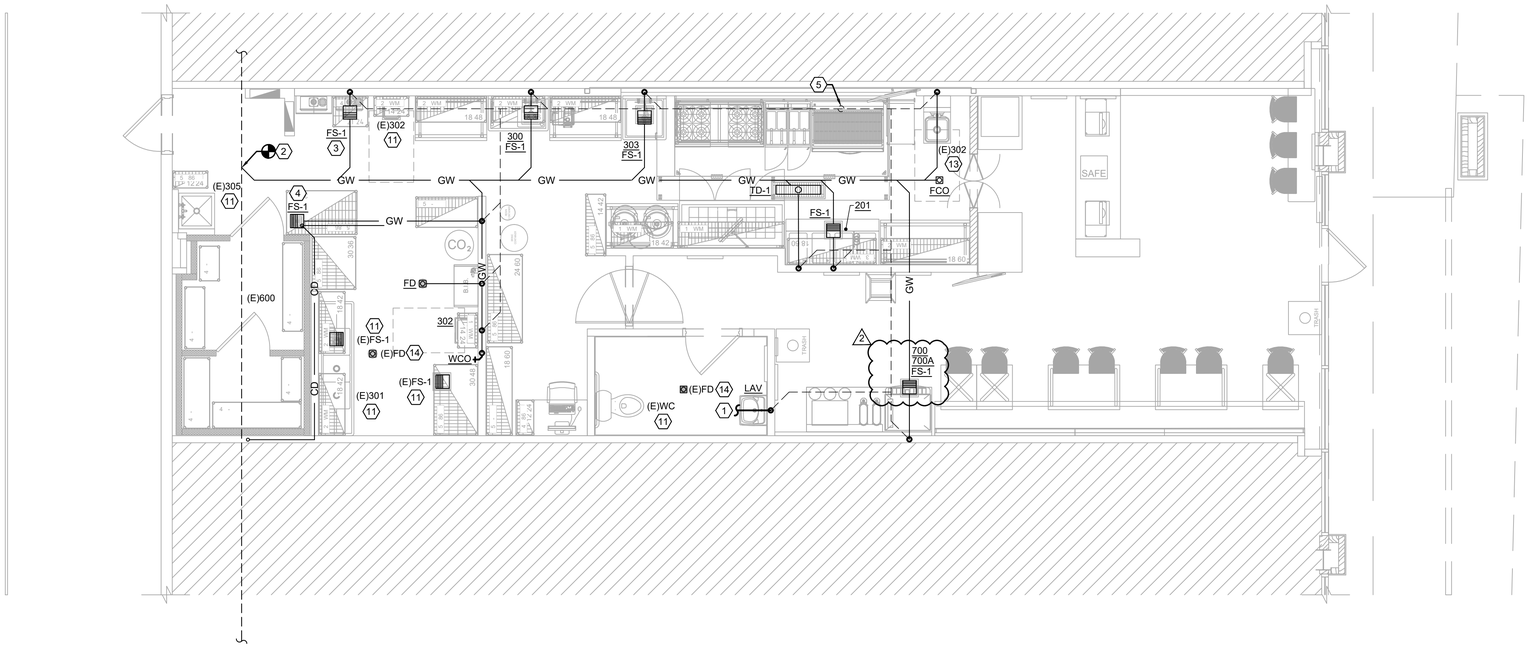
SHEET NUMBER:

P003



1 DOMESTIC WATER PLAN

SCALE 1/4" = 1'0"



2 SANITARY SEWER PLAN

SCALE 1/4" = 1'0"

KEYED NOTES (#)

1. CONNECT NEW SANITARY SEWER PIPING INTO EXISTING SANITARY SEWER PIPING SERVING THE RESTROOM. VERIFY SIZE, ROUTING, INVERT, CONNECTION POINT, AND LOCATION PRIOR TO BID.
2. CONNECT NEW 4" GREASE WASTE PIPING INTO EXISTING GREASE WASTE PIPING AT THE LOCATION SHOWN. VERIFY SIZE, ROUTING, INVERT, CONNECTION POINT, AND LOCATION PRIOR TO BID.
3. ROUTE AND INDIRECTLY DRAIN CONDENSATE PIPING FROM WATER HEATERS VIA AIR GAP TO FLOOR SINK.
4. IF NOT EXISTING OR IN GOOD WORKING CONDITION, ROUTE AND INDIRECTLY DRAIN CONDENSATE PIPING FROM WALK IN COOLER VIA AIR GAP TO FLOOR SINK.
5. 4" VENT THRU ROOF. MAINTAIN A CLEARANCE OF 10' FROM FRESH AIR INTAKES.
6. CONNECT NEW 1" DOMESTIC WATER PIPING TO EXISTING WATER METER AT THE LOCATION SHOWN. FIELD VERIFY LOCATION PRIOR TO BID. COORDINATE ALL METER AND BACKFLOW REQUIREMENTS AND LOCATIONS WITH LANDLORD PRIOR TO BID. NOTIFY ARCHITECT AND ENGINEER OF RECORD IF PRESSURE AT FURTHEST FIXTURE IS NOT 20 PSI FOR POSSIBLE BOOSTER PUMP INSTALLATION. CONTACT ARCHITECT AND ENGINEER OF RECORD IF PRESSURE IS OVER 80 PSI AFTER TENANT CONNECTION POINT FOR POSSIBLE PRESSURE REDUCING VALVE INSTALLATION.
7. FILTERED WATER LINE TO BEVERAGE SYSTEM AND ICE MACHINE.
8. TURN COLD WATER PIPING DOWN FOR CONNECTION TO TANKLESS WATER HEATERS BELOW. MOUNT TANKLESS WATER HEATERS AS HIGH AS POSSIBLE. INSTALL PER WATER HEATER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
9. CW LINE DOWN TO WATER FILTER.
10. DO NOT RUN PIPING OVER ELECTRICAL EQUIPMENT.
11. EXISTING FIXTURE TO REMAIN. CLEAN TO LIKE-NEW CONDITION.
12. PROVIDE NEW DOMESTIC COLD AND/OR HOT WATER PIPING TO EXISTING FIXTURE AS SHOWN.
13. EXISTING FIXTURE TO BE RELOCATED TO THE LOCATION SHOWN.
14. VERIFY EXISTING FLOOR DRAIN IS SERVED BY A TRAP PRIMER OR TRAP GUARD. IF NONE ARE EXISTING, OR IN GOOD WORKING CONDITION, PROVIDE NEW TRAP GUARD.

KITCHEN EQUIPMENT SCHEDULE

MARK	DESCRIPTION
201	HOT FOOD TABLE
300	(1) COMPARTMENT SINK
301	(3) COMPARTMENT SINK
302	HAND SINK (WALL MOUNT)
303	WOK SINK
305	MOP SINK
600	WALK IN COOLER (REMOTE)
700	SODA DISPENSER
700A	ICE MAKER W/O BIN
701	WATER FILTER
705	BAG IN A BOX

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5540 LEGACY CIRCLE - STE D230,
PLANO, TX 75024
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CONSULTANT:
GEMINI ENGINEERING GROUP
Angela Hawkins, P.E. CA-M42738
101 Nightlinger Lane
Millsap, TX 76066
(817) 672-7562

DRAWING SEAL:

LICENSED PROFESSIONAL ENGINEER
ANGELA HAWKINS
M 42738
MECHANICAL
STATE OF CALIFORNIA
06/09/2026

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/22/26	ISSUE FOR PERMIT
1	05/19/26	FIRE COMMENTS
2	05/21/26	HEALTH COMMENTS

LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

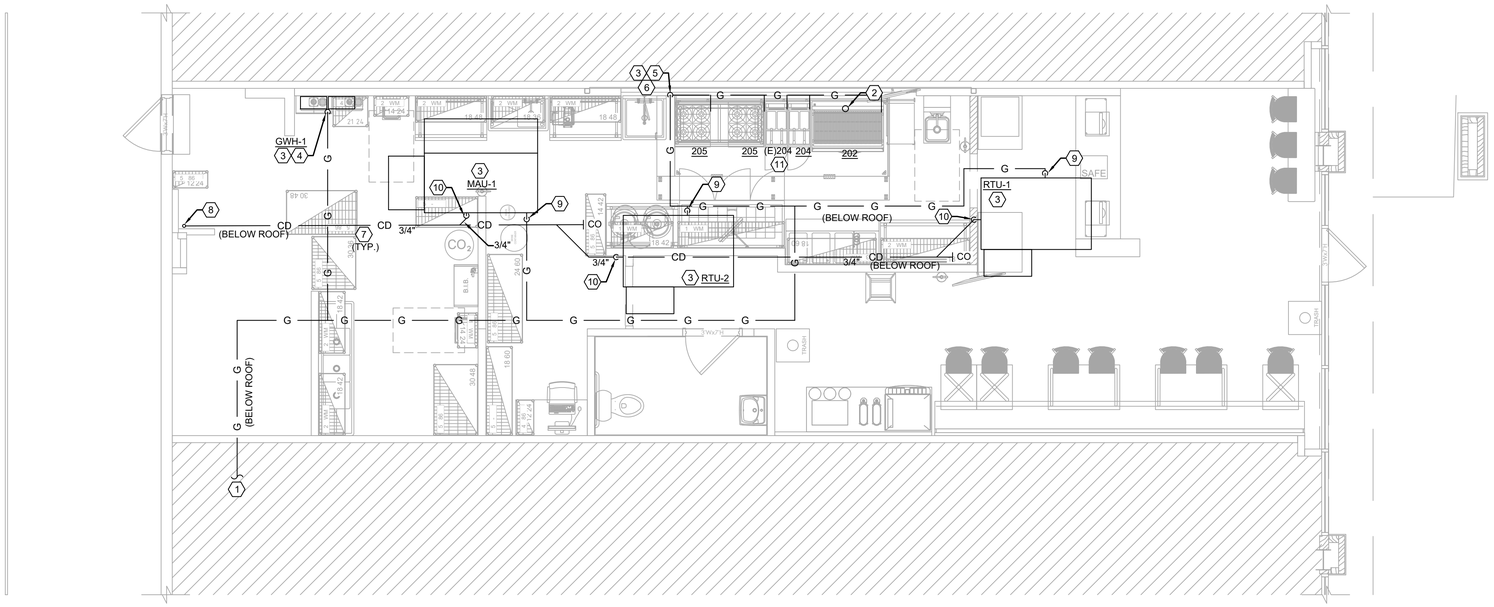
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: RM REVIEWED BY: AH

TITLE:

PLUMBING PLANS

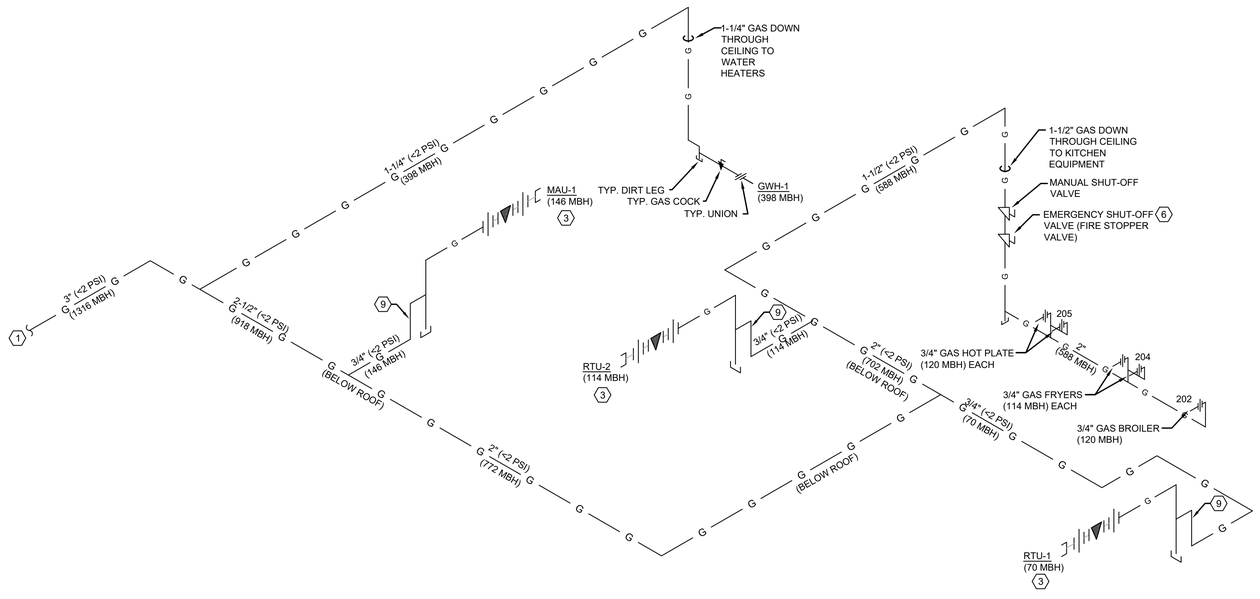
SHEET NUMBER:

P100



1 PLUMBING ROOF PLAN

SCALE: 1/4" = 1'0"



2 GAS PIPING ISOMETRIC

SCALE: NTS

GAS LOAD NOTE:

CONTRACTOR SHALL VERIFY EXACT GAS INPUT FOR ALL APPLIANCES/EQUIPMENT WITH OWNER'S REPRESENTATIVE PRIOR TO ANY PIPIING. NOTIFY ENGINEER OF RECORD OF DISCREPANCIES.

GAS LOAD SUMMARY

SYSTEM	DESIGNATION	EQUIPMENT	MBH
WATER HEATING	GWH-1	WATER HEATER	398
		SUB-TOTAL	398
KITCHEN EQUIPMENT	202	BROILER	120
	204	(2)FRYER	228
	205	(2)24" HOT PLATE	240
		SUB-TOTAL	588
HVAC EQUIPMENT		RTU-1	70
		RTU-2	114
		MAU-1	146
		SUB-TOTAL	330
TOTAL NATURAL GAS CONNECTED LOAD			
GAS METER REQUIREMENTS	MBH CAPACITY		1316
	TOTAL DEVELOPED LENGTH INCLUDING EQUIVALENT PIPE LENGTH FOR FITTING AND VALVE FRICTION LOSSES TO GAS METER.		130 FT X 1.2= 156 FT
	CONSULT GAS UTILITY COMPANY FOR REGULATOR RATING		

GAS LINES SIZED AT <2 PSI WITH 0.3 PSI. PRESSURE DROP
NOTIFY EOR IF SUPPLY PRESSURE 2 PSI OR GREATER

KEYED NOTES

1. CONNECT NEW 3" GAS PIPING INTO EXISTING GAS METER SERVING THE SPACE. TGC SHALL COORDINATE TENANT REQUIREMENTS WITH LANDLORD AND LOCAL UTILITY CO. VERIFY LOCATION OF EXISTING GAS METER PRIOR TO BID. VERIFY METER AND SERVICE IS CAPABLE OF PROVIDING FLOW RATE AT INDICATED PRESSURE AND PRESSURE DROP.
2. 4" VENT THRU ROOF. MAINTAIN A CLEARANCE OF 10' FROM FRESH AIR INTAKES.
3. PROVIDE GAS COCK, 6" DIRT LEG, AND UNION AT EACH GAS APPLIANCE.
4. GAS TURNED DOWN FOR CONNECTION TO WATER HEATERS. PROVIDE GAS COCK TO EACH WATER HEATER. FLASH PER ARCHITECT'S INSTRUCTIONS.
5. GAS PIPING TURNED DOWN THROUGH CEILING FOR CONNECTION TO KITCHEN EQUIPMENT BELOW. FLASH PER ARCHITECT'S INSTRUCTIONS.
6. EMERGENCY SHUTOFF SOLENOID VALVE SWITCH WITHIN HOOD PROVIDED BY CAPTVEAIRE. IF NOT, INSTALL IN ACCESSIBLE LOCATION RIGHT BELOW CEILING UPSTREAM OF MECHANICAL SHUTOFF VALVE. PROVIDE LABEL ON CEILING TILE OR ACCESS PANEL.
7. PROVIDE NEW CONDENSATE PIPE, ROUTE TO MOP SINK. VERIFY ROUTING AND DISPOSAL LOCATION IN FIELD. T.G.C. SHALL DETERMINE IN FIELD ANY POTENTIAL REUSE OF EXISTING CONDENSATE LINES, INSPECT AND REPAIR.
8. CONDENSATE TO DISCHARGE INTO MOP SINK VIA A 3" AIR GAP.
9. GAS PIPING TO PENETRATE THRU ROOF AND CONNECT TO ROOFTOP EQUIPMENT AS SHOWN.
10. CONDENSATE PIPING TO PENETRATE THRU ROOF AND BE ROUTED ABOVE CEILING. ROUTE AS HIGH AS POSSIBLE.
11. EXISTING FIXTURE TO REMAIN. CLEAN TO LIKE-NEW CONDITION.

KITCHEN EQUIPMENT SCHEDULE

MARK	DESCRIPTION
201	HOT FOOD TABLE
300	(1) COMPARTMENT SINK
301	(3) COMPARTMENT SINK
302	HAND SINK (WALL MOUNT)
303	WOK SINK
305	MOP SINK
600	WALK IN COOLER (REMOTE)
700	SODA DISPENSER
700A	ICE MAKER W/O BIN
701	WATER FILTER
705	BAG IN A BOX

GAS KITCHEN EQUIPMENT SCHEDULE

MARK	DESCRIPTION
202	48" BROILER
204	FRYER
205	24" HOT PLATE 4 BURNERS

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PLANO, TX 75024
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CONSULTANT:

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DRAWING SEAL:

LICENSED PROFESSIONAL ENGINEER · ANGELA HAWKINS · M 42738 · MECHANICAL · STATE OF CALIFORNIA
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LOCATION:

TERIYAKI MADNESS
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PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: RM REVIEWED BY: AH

TITLE:

PLUMBING ROOF PLAN

SHEET NUMBER:

P101

This document is used to demonstrate compliance for nonresidential occupancies with requirements in §110.1, §110.3, §120.3, and §140.5, and with requirements in §141.0 for additions and alterations, for domestic water heating scopes using the prescriptive path. For high-rise residential and hotel/motel occupancies compliance is demonstrated with requirements in §110.1, §110.3, §160.4 and §170.2(d), and with requirements §180.1 for additions and §180.2 for alterations.

A. GENERAL INFORMATION

01	Project Location (city)	Apple Valley	02	Climate Zone	14
03	Occupancy Types Within Project (select all that apply):				

● Restaurant

B. PROJECT SCOPE

This table includes domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in §140./§170.2(d) and §141.0(a)/§180.1, or §141.0(b)2N / §180.2 for additions or alterations. Solar water heating systems are documented on the NRCC-SAB compliance document. Combined hydronic water heating systems are documented on the NRCC-MCH compliance document.

01	02	03		
My project consists of (check all that apply):	System Type [1,2]	System Components		
☒ New system (DHW system being installed for the first time)	Serving Nonresidential or MF/Hotel/Motel Common use area	☒ Equipment	☒ Distribution	☒ Controls
☐ System Alteration (equipment, distribution or controls)		☐ Equipment	☐ Distribution	☐ Controls

[1] *FOOTNOTES: Point of use water heaters, or other non-central systems used to serve nonresidential spaces, are considered individual systems.*
[2] *Dwelling units refers to hotel/motel guest rooms and units in a multifamily residential occupancy.*
[3] *DHW systems serving 2 or more dwelling units are considered "Central Systems" for multifamily and hotel/motel occupancies*

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with water heating requirements. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. or the table indicated as not compliant for guidance.

01	02	03	04	05
Domestic Hot Water Equipment	Distribution Systems	Controls	Pool/Spa	**Compliance Results**
Table F	Table G	Table H	Table J	
Yes	Yes	Yes		COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. DOMESTIC HOT WATER EQUIPMENT

This table is used to demonstrate compliance with mandatory equipment requirements in §110.1 and §110.3. Compliance with prescriptive requirements in §140.5(c) / §170.2(d) must also be demonstrated and with §141.0 / §180.1/ §180.2 for addition and alteration scopes.

Equipment Schedule: Water Heating Efficiency and Standby Loss

01		02		03		04		
System Name	WH	Space type	Nonresidential	Exception to §140.5(c)/§170.2(d)2B		Exceptions Do Not Apply	Capacity-weighted Average Efficiency %	97
05	06	07	08	09	10	11	12	13
Name or Item Tag	Quantity	System Status	Equipment Type	Volume (gal)	Rated Input Capacity (Btu/h)	Rated Efficiency	Minimum Efficiency Required	Maximum Standby Loss
WH	1	New/ Addition	Gas Instantaneous	0	398,000	97	Must meet Federal Minimum Requirements	If applicable, must meet Federal Minimum Requirements

[1] *FOOTNOTE: In systems >= 1MMBtu/h with multiple units, gas water heaters with input capacity > 100,000 Btu/h may meet 90% Et requirements via an input capacity-weighted average.*
[2] *FOOTNOTE: Compliant equipment may be found in the Modernized Appliance Efficiency Database System (MAEDBS) on the Energy Commission website: https://cacertappliances.energy.ca.gov/Pages/Search/AdvancedSearch.aspx*

System Name	WH			
	Yes	No	Not Applicable	Requirement
18	☐	☒	☒	Unfired storage tank insulation shall have Internal + External >=R-16 OR External >=R-3.5. Label required per §110.3(c)3
19	☐	☒	☒	New state buildings 60% of energy for service water heating from site solar energy or recovered energy per §110.3(c)5
20	☐	☒	☒	Isolation valves for instantaneous water heater with input rating >6.8 kBTUH or 2 kW has been specified per §110.3(c)6
21	☐	☒	☒	School buildings < 25,000 ft^2 and < 4 stories must install a heat pump water heating system per §140.5(a)1. Water heating systems serving an individual bathroom space may be an instantaneous electric water heater.

DOMESTIC HOT WATER DISTRIBUTION SYSTEM

This table is used to demonstrate compliance for nonresidential occupancies with distribution requirements in §120.3 and §140.5. For multifamily and hotel/motel occupancies, compliance is demonstrated with requirements §110.3(c), §160.4, §170.2(d).

Recirculation Loops in Central Systems Serving Dwelling Units, Hotel/Motel Guest Rooms, or Nonresidential Spaces - §110.3, §170.2(d)2

System Name	WH		
	Yes	No	Requirement
01	●	○	Air release valve or vertical pump installation per §110.3(c)4A
02	●	○	Check valve or similar located between recirculation pump and water heating equipment to prevent backflow per §110.3(c)4B
03	●	○	Hose bibb installed between pump and equipment and isolation valve between hose bibb and equipment per §110.3(c)4C
04	●	○	Isolation valves on both sides of the pump per §110.3(c)4D
05	●	○	Cold water and recirculation loop piping shall not be connected to the hot water storage tank drain port per §110.3(c)4E
06	●	○	Check valve installed on cold water supply between hot water system and next closest tee on cold water supply per §110.3(c)4F
07	○	●	DWELLING UNITS ONLY: For heat pump water heating systems, the hot water return from the recirculation loop shall connect to a recirculation loop tank and shall not directly connect to the primary heat pump water heater inlet or the primary thermal storage tanks per §170.2(d)2Aii.
08	○	●	DWELLING UNITS ONLY: For heat pump water heating systems, the fuel source for the recirculation loop tank shall be electricity per §170.2(d)2Aiii.
09	○	●	DWELLING UNITS ONLY: The recirculation loop tank temperature setpoint shall be at least 10°F lower than the primary thermal storage tank temperature setpoint - §170.2(d)2Av
10	○	●	DWELLING UNITS ONLY: All hot water distribution piping shall be sized in accordance with the California Plumbing Code Appendix M per §170.2(d)2C.
11	○	●	DWELLING UNITS ONLY:A recirculation system with mechanical or digital thermostatic master mixing valve on each distribution supply and return loop and meet the requirements in Reference Appendix RA4.4, unless building has ≤ 8 dwelling units, per §170.2(d)2D.
12	○	●	DWELLING UNITS ONLY: Insulation for hot water pipes shall be field verified as specifid in Reference Appendix RA3.6.3 per §170.2(d)2E.

DOMESTIC HOT WATER DISTRIBUTION SYSTEM

Mandatory Pipe Insulation All Occupancies - §120.3, §160.4

System Name	WH		
	Yes	Not Applicable	Requirement
16	○	●	For systems serving dwelling units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (see blow) except: • Piping that penetrates framing members shall not be required to have pipe insulation for the distance of the framing penetration. Piping that penetrates metal framing shall use grommets, plugs, wrapping or other insulating material to assure that no contact is made with the metal framing. Insulation shall abut securely against all framing members • Piping installed in interior or exterior walls shall not be required to have pipe insulation if all of the requirements are met for compliance with Quality Insulation Installation (QII) as specified in the Reference Residential Appendix RA3.5. • Piping surrounded with a minimum of 1 inch of wall insulation, 2 inches of crawlspace insulation, or 4 inches of attic insulation, shall not be required to have pipe insulation.
17	●	○	For systems serving nonresidential spaces, pipe insulation for the following applications is specified to comply with Table 120.3-A1 or Table 120.3-A2 (see below) per §120.3: • Recirculating system piping, including supply and return piping of the water heater • The first 8 ft of hot and cold outlet piping, including between storage tank and heat trap, for a nonrecirculating storage system • Pipes that are externally heated
18	●	○	Per §120.3(b)/ §160.4(f), pipe and appurtenance insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service. Pipe insulation buried below grade must be installed in a water proof and non-crushable casing or sleeve.

TABLE 160.4-A PIPE INSULATION THICKNESS

Fluid Temperature Range (°F)	Conductivity Range (Btu-in per hour per ft^2 per °F)	Insulation Mean Rating Temp (°F)	Nominal Pipe Diameter (in)			
			< 1	1 to < 1.5	1.5 to < 4	1.5 to < 4 Multifamily & Hotel/Motel
			Minimum Insulation Required			
105-140	0.22 - 0.28	100	1.0 in or R-7.7	1.5 in or R-12.5	1.5 in or R-11	2.0 in or R-16

DOMESTIC HOT WATER CONTROLS - §110.3, §120.9, §160.4(d), §170.2(d), §180.1(b)3

This table is used to demonstrate compliance with control requirements in §110.3 for all occupancies. For nonresidential occupancies, compliance is demonstrated with requirements in §120.9. For multifamily residential and hotel/motel occupancies, compliance is also demonstrated with requirements in §160.4(d) / §170.2(d).

System Name	WH		
	Yes	Not Applicable	Requirement
01	☒	☐	Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls capable of adjusting temperature settings per §110.3(a).
02	☒	☐	Systems with capacity > 167,000 BTUH equipped with outlet temperature controls per §110.3(c)1 unless covered by California Plumbing Code 613.0.
03	☒	☐	Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per §110.3(c)2 unless systems serves healthcare facility.
04	☐	☒	For recirculation systems serving multiple dwelling units, design includes a mechanical or digital thermostatic master mixing valve on each distribution supply and return loop per §170.2(d) or §180.1(b)3 for additions.
05	☐	☒	For recirculation systems serving individual dwelling units, design includes manual on/off controls as specified in Reference Appendix RA4.4.9 per §170.2(d).
06	☐	☒	Combustion air positive shut-off shall be provided per §120.9(a) & §160.4(d) on all newly installed commercial boilers as follows: • Boilers with input capacity >= 2.5 MMBtu/h, in which the boiler is designed to operate with a nonpositive vent static pressure • Boilers where one stack serves two or more boilers with a total combined input capacity per stack of 2.5 MMBtu/h.
07	☐	☒	Boiler combustion air fans with motor >= 10 hp shall meet one of the following for newly installed boilers per §120.9(b) & §160.4(d)2: • The fan motor shall be driven by a variable speed drive OR • The fan motor shall include controls that limit the fan motor demand to <=30% of the total design wattage at 50% of the design air volume.
08	☐	☒	Newly installed boilers with an input capacity (d:gte/] 5MMBtu/h and a steady state full-load combustion efficiency < 90% shall maintain excess (stack-gas) oxygen concentrations <= 5% by volume on a dry basis over firing rates of 20-100%. Combustion air volume shall be controlled with respect to firing rate or flue gas oxygen concentration. Use of a common gas and combustion air control linkage or jack shaft is prohibited per §120.9(c) & §160.4(d)3.

DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-PLB-E - Must be submitted for all buildings

DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Angela Hawkins, P.E.	Documentation Author Signature: Angela Hawkins
Company: Gemini Engineering Group	Signature Date: 06/09/2026
Address: 101 Nightlinger Lane	CEA/AEA/CCC Certification Identification (if applicable):
City/State/Zip: Millsap, TX 76066	Phone: (817) 672-7562

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Person Name: Angela Hawkins, P.E.	Responsible Person Signature: Angela Hawkins
Responsible Person Scope: Mechanical Engineer of Record	
Company: Gemini Engineering Group	Date Signed: 06/09/2026
Address: 101 Nightlinger Lane	License: M-42738
City/State/Zip: Millsap, TX 76066	Phone: (817) 672-7562

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LOCATION:

TERIYAKI MADNESS
STORE #: 448 AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
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PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: RM REVIEWED BY: AH

TITLE:

ENERGY FORMS

SHEET NUMBER:

P200

CODES / STANDARDS

A. THE CONSTRUCTION OF THIS STRUCTURE SHALL CONFORM TO THE BUILDING CODE DEFINED AS THE CALIFORNIA BUILDING CODE (CBC), 2025 EDITION AS ADOPTED AND MODIFIED.

B. THE CONSTRUCTION OF THIS STRUCTURE SHALL CONFORM TO THE BUILDING CODE DEFINED AS THE INTERNATIONAL BUILDING CODE (IBC), 2024 WITH LOCAL AMENDMENTS.

C. THE CONSTRUCTION OF THIS STRUCTURE SHALL CONFORM TO THE AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, 2022 EDITION (ASCE 7).

DESIGN CRITERIA

A. OCCUPANCY
- RISK CATEGORY..... II

B. DESIGN LOADS

DEAD LOADS
- ROOF..... 16 PSF (PER AS-BUILTS)
- ROOF (MECHANICAL)..... 500 LBS ADD-LOAD PER JOIST

LIVE LOADS
- ROOF..... 20 PSF (PER AS-BUILTS)

SNOW LOADS
- GROUND SNOW LOAD (Pg) ..... 17 PSF
- SNOW LOAD IMPORTANCE FACTOR (Is) 1.0
- TEMPERATURE FACTOR (Ct) 1.0
- EXPOSURE FACTOR (Ce) 1.0
- FLAT ROOF SNOW LOAD (Pf) ..... 17 PSF

WIND LOADS
- BASIC WIND SPEED (V ULT) ..... 110 MPH
- BASIC WIND SPEED (V ASD) ..... 85.2 MPH
- WIND EXPOSURE..... C
- INTERNAL PRESSURE COEFFICIENT..... +/- 0.18

EARTHQUAKE DESIGN DATA
- SEISMIC IMPORTANCE FACTOR (Ie) 1.0
- S_S 1.38
- S_1 ..... 0.46
- SITE CLASS..... D (CODE DEFAULT)
- SPECTRAL RESPONSE COEFFICIENTS
- S_{DS}..... 1.14
- S_{D1}..... 0.78
- SEISMIC DESIGN CATEGORY..... D
- BASIC SEISMIC-FORCE RESISTING SYSTEM..... N/A (NO MODIFICATIONS)
- RESPONSE MODIFICATION FACTOR (R) ..... N/A (NO MODIFICATIONS)
- SEISMIC RESPONSE COEFFICIENT (Cs) ..... N/A (NO MODIFICATIONS)
- DESIGN BASE SHEAR..... N/A (NO MODIFICATIONS)
- ANALYSIS PROCEDURE..... N/A (NO MODIFICATIONS)
- INTERIOR STUD WALLS SEISMIC COEFFICIENT..... Fp = 1.368 x Wp

C. CLIMATIC DATA..... CLIMATE ZONE 14

GENERAL REQUIREMENTS

A. VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING WORK OR FABRICATING MATERIALS. NOTIFY STRUCTURAL ENGINEER OF RECORD (SER) OF ANY DISCREPANCIES BEFORE PROCEEDING WITH ANY PHASE OF WORK.

B. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR ITEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

C. DO NOT SCALE DRAWINGS FOR THE PURPOSE OF ESTABLISHING DIMENSIONS.

D. DETAILS LABELED "TYPICAL DETAILS" ON DRAWINGS APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. SUCH DETAILS APPLY WHETHER OR NOT DETAILS ARE REFERENCED AT EACH LOCATION. NOTIFY SER OF CONFLICT REGARDING APPLICABILITY OF "TYPICAL DETAILS".

E. DO NOT LOAD THE SLAB ON GRADE OR SUPPORTED SLAB WITH ERECTION CRANES OR ERECTION EQUIPMENT. THE SLABS HAVE NOT BEEN DESIGNED FOR CRANE LOADS AND WILL REQUIRE AN INCREASE IN THICKNESS AND/OR REINFORCEMENT.

F. DO NOT STORE OR STACK CONSTRUCTION MATERIALS ON POURED OR ERECTED FLOORS OR ROOFS IN EXCESS OF 80 PERCENT OF LIVE LOAD. GENERAL CONTRACTOR SHALL ENSURE THAT ALL SUB-CONTRACTORS ARE INFORMED OF LOADING RESTRICTIONS. AVOID IMPACT WHEN PLACING MATERIALS ON POURED OR ERECTED FLOORS OR ROOF.

G. BEFORE PROCEEDING WITH ANY WORK WITHIN THE PROJECT AREA, THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH EXISTING STRUCTURE AND OTHER CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACINGS, SHORING AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF EXISTING STRUCTURES AND FACILITIES IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION AND TO PROTECT FROM DAMAGING THOSE PORTIONS OF EXISTING STRUCTURES AND FACILITIES WHICH ARE TO REMAIN.

H. THE CONTRACT STRUCTURAL DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION. PROVIDE ALL MEASURES REQUIRED TO PROTECT THE STRUCTURE, WORKMEN AND OTHER PERSONS DURING CONSTRUCTION: INCLUDING BRACING AND SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, FORMS AND SCAFFOLDING, SHORING OF RETAINING WALLS AND OTHER TEMPORARY SUPPORTS AS REQUIRED. COMPLY WITH APPLICABLE REQUIREMENTS OF OSHA AND OTHER GOVERNING BODIES HAVING JURISDICTION AT THE SITE.

I. PRINCIPLE OPENINGS THROUGH THE FRAMING ARE SHOWN ON DRAWINGS. DEVIATIONS FROM THE OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS MUST BE APPROVED BY THE SER PRIOR TO IMPLEMENTING THE CHANGES.

J. LOADINGS FOR MECHANICAL EQUIPMENT ARE BASED ON THE UNITS SHOWN ON THE MECHANICAL DRAWINGS. ANY CHANGES IN TYPE, SIZE OR NUMBER OF PIECES OF EQUIPMENT SHALL BE REPORTED TO THE SER FOR VERIFICATION OF THE ADEQUACY OF SUPPORTING MEMBERS PRIOR TO THE PLACEMENT OF SUCH EQUIPMENT.

SPECIAL INSPECTIONS

A. SPECIAL INSPECTIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE GOVERNING BUILDING CODE AND THE STATEMENT OF REQUIRED SPECIAL INSPECTIONS PREPARED BY THE DESIGN PROFESSIONAL IN CHARGE.

B. WHERE SPECIAL INSPECTION REQUIREMENTS DUPLICATE THE REQUIREMENTS OR OTHER SPECIFIED TESTING, DUPLICATE INSPECTIONS SHALL NOT BE REQUIRED.

C. PER IBC 1704.2, EXCEPTION NO. 1: SPECIAL INSPECTIONS ARE NOT REQUIRED FOR WORK OF A MINOR NATURE.

SUBMITTAL REVIEW

A. SHOP DRAWING REVIEW IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT. TWO SHOP DRAWING REVIEWS FOR EACH ITEM WILL BE PERFORMED BY THE DESIGN PROFESSIONAL, AS REQUIRED. ANY ADDITIONAL SHOP DRAWING REVIEWS ARE SUBJECT TO AN ADDITIONAL SERVICE FEE. CORRECTIONS OR COMMENTS MADE ON THIS REVIEW DO NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS AND OMISSIONS, AND FROM COMPLIANCE WITH THE PLANS AND SPECIFICATIONS. CORRECTIONS OR COMMENTS DO NOT AUTHORIZE AN INCREASE IN THE CONSTRUCTION BUDGET.

B. APPROVAL OF SHOP DRAWINGS DOES NOT INDICATE ACCEPTANCE OF DEVIATIONS FROM CONTRACT DOCUMENTS OR PREVIOUS SHOP DRAWING REVIEW, UNLESS SPECIFICALLY NOTED THEREIN BY ENGINEER OF RECORD.

C. ANY CHANGES TO THE DESIGN CONCEPT SHOWN IN CONTRACT DOCUMENTS SHALL BE SUBMITTED IN WRITING AND APPROVED BY THE ARCHITECT AND ENGINEER PRIOR TO SUBMITTING SHOP DRAWINGS.

D. SHOP DRAWINGS SHALL BE "APPROVED", SIGNED AND DATED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTAL TO ENGINEER AND ARCHITECT OF RECORD.

E. SHOP DRAWINGS SHALL NOT CONTAIN REPRODUCTIONS OF THE CONTRACT DRAWINGS.

F. DELEGATED ENGINEERING SUBMITTALS SHALL BE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF THE PROJECT.

G. SUBMITTAL REQUIREMENTS:

1. DELEGATED ENGINEERING SUBMITTALS:
   RTU CURBS

WOOD FRAMING

A. STANDARDS

1. AMERICAN FOREST & PAPER ASSOCIATION NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION WITH 2018 SUPPLEMENT (AF&PA NDS-18).

B. MATERIALS

1. ALL WOOD FRAMING SHALL BE SURFACED DRY AND USED AS 19% MAXIMUM MOISTURE CONTENT. VISUALLY GRADED DIMENSION LUMBER SHALL BE ONE OF THE FOLLOWING:

   a. DOUG FIR-LARCH, NO. 2 WITH STRESS PROPERTIES:
   - Fb..... 900 PSI
   - Fv..... 180 PSI
   - Ft..... 575 PSI
   - Fc..... 1,350 PSI
   - E..... 1,600,000 PSI

   b. SPRUCE-PINE-FIR, NO. 2 WITH STRESS PROPERTIES:
   - Fb..... 875 PSI
   - Fv..... 135 PSI
   - Ft..... 450 PSI
   - Fc..... 1,150 PSI
   - E..... 1,400,000 PSI

   c. GLUE LAMINATED BEAMS (GLB) SHALL BE DOUGLAS FIR (DF), COMBINATION 24F-V4 AT SIMPLE SPAN BEAMS AND 24F-V8 AT CANTILEVERED OR CONTINUOUS BEAMS WITH STRESS PROPERTIES:
   - Fb..... 2,400 PSI
   - Fv..... 265 PSI
   - Ft..... 1,100 PSI
   - Fc..... 1,650 PSI
   - E..... 1,800,000 PSI

   d. LAMINATED VENEER LUMBER (LVL), MICROLAM (ML) SHALL BE MANUFACTURED IN ACCORDANCE WITH TRUSS JOIST MACMILLAN CORPORATION MANUFACTURING STANDARDS AS REFERENCED IN ICC-ES REPORT ESR-1387, AND SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:
   - Fb..... 2,485 PSI
   - Fv..... 285 PSI
   - Ft..... 1,555 PSI
   - Fc..... 2,315 PSI
   - E..... 2,000,000 PSI

   WHEN MULTIPLE MICROLAMS ARE GROUPED TOGETHER, FASTEN WITH TWO ROWS OF 16d NAILS AT 12" O.C. USE THREE ROWS OF 16d NAILS AT 12" O.C. FOR DEPTHS 14" OR GREATER. AS AN ALTERNATIVE TO MICROLAM, GANG-LAM BY LOUSIANA-PACIFIC WITH THE FOLLOWING PROPERTIES MAY BE SUBSTITUTED:
   - Fb..... 2,950 PSI
   - Fv..... 290 PSI
   - Ft..... 1,555 PSI
   - Fc..... 2,315 PSI
   - E..... 2,000,000 PSI

2. PREFABRICATED METAL JOIST HANGERS, HURRICANE CLIPS, HOLD-DOWN ANCHORS AND OTHER ACCESSORIES SHALL BE AS MANUFACTURED BY "SIMPSON STRONG TIE COMPANY" OR APPROVED EQUAL. INSTALL ALL ACCESSORIES PER THE MANUFACTURER'S REQUIREMENTS. ALL STEEL SHALL HAVE A MINIMUM THICKNESS OF 0.04 INCHES (PER ASTM A446, GRADE A) AND BE GALVANIZED (COATING G60).

3. SOLID SAWN LUMBER SHALL COMPLY WITH THE LATEST EDITION OF THE GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION (WWPA). ALL SOLID SAWN LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF AN APPROVED GRADING AGENCY. SOLID SAWN LUMBER SHALL HAVE THE FOLLOWING MINIMUM GRADES:

2x4 STUDS AND BLOCKING	#2
2x6 STUDS AND BLOCKING	#2
2x8 STUDS AND BLOCKING	#1
3x6 STUDS AND BLOCKING	#2
JOISTS, TOP PLATES AND BLOCKING	#2 U.N.O.
4x BEAMS AND POSTS	#2 U.N.O.
6x BEAMS AND POSTS	#1

C. EXECUTION

1. ALL BOLTS IN WOOD SHALL CONFORM TO ASTM A307. BOLT HOLES SHALL BE CAREFULLY CENTERED AND DRILLED NOT MORE THAN 1/16" LARGER AND NOT LESS THAN 1/32" LARGER THAN THE BOLT DIAMETER. BOLTED CONNECTIONS SHALL BE SNUGGED TIGHT BUT NOT TO THE EXTENT OF CRUSHING WOOD UNDER WASHERS.

2. PROVIDE 2x SOLID BLOCKING BETWEEN JOISTS OR RAFTERS OVER SUPPORTS.

3. ALL NUTS SHALL BE TIGHTENED WHEN PLACED AND RE-TIGHTENED AT COMPLETION OF JOB WHEN FINISH IS APPLIED.

4. ALL NAILS FOR STRUCTURAL WORKS SHALL USE COMMON WIRE NAILS UNLESS NOTED OTHERWISE.

5. NAIL HOLES SHALL BE SUB-DRILLED WHERE NECESSARY TO PREVENT SPLITTING WOOD.

6. DO NOT NOTCH JOISTS, RAFTERS, OR BEAMS, EXCEPT WHERE SHOWN IN DETAILS. OBTAIN ENGINEER'S APPROVAL FOR ANY HOLES OR NOTCHES NOT DETAILED. HOLES THROUGH SILLS, PLATES, STUDS, AND DOUBLE PLATES IN INTERIOR, BEARING, AND SHEAR WALLS SHALL NOT EXCEED 1/3 THE PLATE WIDTH. USE BORED HOLES LOCATED IN THE CENTER OF THE STUD OR PLATE.

STRUCTURAL STEEL

A. STANDARDS

1. AISC 303, "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS & BRIDGES".

2. AISC 360, "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".

3. AISC 341, "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS".

4. RCSC'S "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS".

B. STEEL MATERIALS
- WIDE FLANGE AND WT SHAPES..... ASTM A992 (50 KSI)
- STANDARD (S) SHAPES..... ASTM A36
- ANGLES, CHANNELS AND PLATES..... ASTM A36
- HOLLOW STRUCTURAL SHAPES..... ASTM A1085 (50 KSI)
- STRUCTURAL PIPE..... ASTM A53, GRADE B
- ANCHOR RODS..... ASTM F1554, GRADE 36
- SHEAR/ANCHOR STUDS..... ASTM A108
  (MANUAL ARC WELDING OF STUDS IS NOT PERMITTED)
- DEFORMED ANCHORS..... ASTM A496
- BOLTS, HIGH STRENGTH..... ASTM A325, TYPE 1
  (PROVIDE (2) 3/4" DIA MINIMUM PER CONNECTION)
- NUTS..... ASTM A563, GRADE C
- HARDENED WASHERS..... ASTM F436, TYPE 1
- PLATE WASHERS..... ASTM A36
- WELD ELECTRODES..... E70XX (LOW HYDROGEN)
- ROUND BAR/ROD..... ASTM A36

C. MATERIALS (CONTINUED)

1. PROVIDE WASHERS FOR ALL CONNECTIONS THAT INCLUDE STANDARD, OVERSIZE AND SHORT-SLOTTED HOLES.

2. 5/16" THICK MINIMUM STEEL PLATE WASHERS SHALL BE PROVIDED FOR ALL LONG-SLOTTED HOLES. PLATE WASHERS SHALL COMPLETELY COVER LONG-SLOTTED HOLES.

3. ALL STRUCTURAL STEEL ELEMENTS AND CONNECTIONS THAT ARE PERMANENTLY EXPOSED TO THE WEATHER OR EMBEDDED IN CONCRETE SHALL BE HOT DIP GALVANIZED PER ASTM A123.

4. WITH THE EXCEPTION OF CONTACT SURFACES FOR "SLIP-CRITICAL" CONNECTIONS AND STRUCTURAL STEEL TO BE EMBEDDED IN CONCRETE. ALL STRUCTURAL STEEL SHALL RECEIVE ONE COAT OF RUST-INHIBITIVE PRIMER AS SELECTED AND APPROVED BY THE OWNER WITH A MINIMUM 1.5 MILS DRY FILM THICKNESS. OMIT PRIMER ON STEEL SURFACES WHERE SPRAY-ON FIRE-PROOFING REQUIRES BARE STEEL.

5. UNLESS OTHERWISE NOTED, ALL STEEL EXPOSED TO SOIL SHALL BE COATED WITH AN ASPHALTIC BASED CORROSION RESISTANT COATING.

6. GROUT UNDER BEARING PLATES SHALL COMPLY WITH ASTM C1107 AND HAVE A COMPRESSIVE STRENGTH AT EXCEEDING THAT OF THE CONCRETE ON WHICH IS PLACED.

7. WHERE F1554 GR 55 ANCHOR RODS ARE SPECIFIED IN PLANS, PROVIDE S1 SUPPLIMENT MATERIAL FOR WELDABILITY.

D. QUALITY ASSURANCE

1. A FABRICATOR QUALIFICATIONS: A QUALIFIED FABRICATOR THAT PARTICIPATES IN THE AISC QUALITY CERTIFICATION PROGRAM AND IS DESIGNATED AN AISC CERTIFIED PLANT, CATEGORY STD, OR IS ACCREDITED BY THE IAS FABRICATOR INSPECTION PROGRAM FOR STRUCTURAL STEEL (AC 172).

2. INSTALLER QUALIFICATIONS: A QUALIFIED INSTALLER WHO PARTICIPATES IN THE AISC QUALITY CERTIFICATION PROGRAM AND IS DESIGNATED AN AISC-CERTIFIED ERECTOR.

3. WELDING QUALIFICATIONS: QUALIFY PROCEDURES AND PERSONNEL ACCORDING TO AWS D1.1/D1.1M/D1.8 (SEISMIC) "STRUCTURAL WELDING CODE - STEEL."

E. EXECUTION

1. FABRICATE AND ASSEMBLE STRUCTURAL STEEL MEMBERS AND ASSEMBLIES IN THE SHOP TO THE GREATEST EXTENT POSSIBLE. SHOP WELDING PROCEDURES SHALL BE PERFORMED AND SEQUENCED SO AS TO MINIMIZE WELD SHRINKAGE STRESSES AND DISTORTION OF THE MEMBER(S).

2. PROVIDE MINIMUM SIZE FILLET WELDS AND MINIMUM EFFECTIVE THROAT THICKNESSES OF PARTIAL PENETRATION GROOVE WELDS AS SPECIFIED BY SPECIFICATION SECTION "J" OF THE AISC MANUAL. DEVELOP THE FULL TENSILE STRENGTH OF THE MEMBER(S) JOINED ON ALL SHOP AND FIELD WELDS UNLESS NOTED OTHERWISE ON THE DESIGN DRAWINGS. ALL WELD LENGTHS ARE CONTINUOUS FOR THE FULL LENGTH OF THE MEMBER(S) UNLESS NOTED OTHERWISE ON THE DESIGN DRAWINGS.

3. PROVIDED SIMPLE SHEAR CONNECTION FOR STRUCTURAL STEEL CONNECTION NOT SPECIFIED OTHERWISE, UTILIZING HIGH STRENGTH BEARING BOLTS IN SINGLE OR DOUBLE SHEAR. PROVIDE DOUBLE ANGLE OR SINGLE PLATE SHEAR TAB BOLTED CONNECTIONS. AT HSS COLUMNS PROVIDE SINGLE PLATE SHEAR TAB CONNECTIONS. EXTENDED SINGLE PLATE SHEAR TAB CONNECTIONS NOT PERMITTED.

4. FINISH STEEL COLUMN ENDS TO FIT FLUSH WITH BASE AND CAP PLATES. FINISH BEAM ENDS TO FIT FLUSH WITH END PLATES. FIELD ASSEMBLY OF THESE PLATE ELEMENTS IS NOT PERMITTED.

5. BRACE CONNECTIONS SHALL BE PROVIDED PER THE DETAILS SHOWN ON THE DESIGN DRAWINGS. WHERE FORCES ARE NOT INDICATED ON THE DESIGN DRAWINGS, DESIGN CONNECTIONS OF BRACING MEMBERS THAT DEVELOP THE FULL TENSILE STRENGTH OF THE MEMBERS. ALL GUSSET PLATE, ANGLE AND WELD SIZES SHALL BE DESIGNED TO RESIST ALL TENSILE, SHEAR AND MOMENT FORCES CAUSED BY CONCENTRIC AND ECCENTRIC LOADING CONDITIONS. ALL BOLTED CONNECTIONS FOR BRACING MEMBERS SHALL BE FULLY TENSIONED, UTILIZING HIGH STRENGTH CLASS A "SLIP-CRITICAL" BOLTS.

F. ERECTION

1. USE PROCEDURES, INCLUDING TEMPORARY BRACES OR GUYS, AS REQUIRED AT ALL TIMES TO MAINTAIN SAFETY AND STABILITY OF THE STRUCTURE. TEMPORARY BRACING PROCEDURES IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL REMAIN IN PLACE PRIOR TO THE COMPLETE INSTALLATION OF ALL PERMANENT BRACING ELEMENTS AND SYSTEMS.

2. FIELD CORRECTIONS AND GAS CUTTING OF FABRICATED STRUCTURAL STEEL MEMBERS IS NOT PERMITTED. SPLICING OF STRUCTURAL STEEL MEMBERS CAN NOT BE PERFORMED WITHOUT PRIOR APPROVAL OF THE SER.

3. INSTALL GROUT UNDER COLUMN BASE PLATES AND BEARING PLATES IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. FILL ENTIRE GROUT SPACE SO AS TO PROVIDE FULL PLATE BEARING.

4. ALL STRUCTURAL STEEL SURFACES TO BE FIELD WELDED SHALL BE PREPARED AND CLEANED SO AS TO BE FREE OF ALL FOREIGN MATTER WITHIN ONE INCH MINIMUM OF THE WELD LINE. ERECTOR SHALL TOUCH UP ALL FIELD WELDS AND ABRASIONS WITH SHOP PRIMER FURNISHED BY THE FABRICATOR

G. PROTECTION

1. GALVANIZED SURFACES: CLEAN AREAS WHERE GALVANIZING IS DAMAGED OR MISSING AND REPAIR GALVANIZING TO COMPLY WITH ASTM A 780/A 780.

2. TOUCH UP PAINTING: IMMEDIATELY AFTER ERECTION, CLEAN EXPOSED AREAS WHERE PRIMER IS DAMAGED OR MISSING AND PAINT WITH THE SAM MATERIAL AS USED FOR SHOP PAINTING TO COMPLY WITH SSPC-PA 1 FOR TOUCHING UP SHOP-PAINTED SURFACES.

STRUCTURAL COLD-FORMED STEEL

1. STEEL STRUCTURAL MEMBERS SHALL BE OF THE SIZE AND MIL THICKNESS SHOWN ON THE DRAWINGS. ALL STUDS, JOISTS, AND TRACKS SHALL CONFORM TO METAL STUD MANUFACTURER'S ASSOCIATION (SSMA) PRODUCTS SHALL COMPLY WITH CURRENT ICC EVALUATION REPORTS AND ASTM A653. 18 MIL (25 GAGE) THROUGH 43 MIL (18 GAGE) MEMBERS SHALL BE FORMED FROM STEEL HAVING A MINIMUM 33,000 PSI YIELD POINT, UNLESS NOTED OTHERWISE, CONFORM TO ASTM A653, GRADE 33 (33 KSI MINIMUM YIELD STRENGTH). 54 MIL (16 GAGE) THROUGH 97 MIL (12 GAGE) MEMBERS SHALL BE FORMED FROM STEEL HAVING A MINIMUM 50,000 PSI YIELD POINT PER ASTM A653 GRADE 50.

2. STEEL STRUCTURAL STUD WALL BRIDGING SHALL BE SPACED EVENLY AT 4'-0" O.C. VERTICALLY MAX., UNLESS SHEATHING MATERIAL AND ATTACHMENT OCCURS ON BOTH SIDES AS SPECIFIED ON PLANS, SECTIONS OR DETAILS. SEE TYPICAL DETAILS FOR ALLOWABLE BRIDGING METHODS.

3. WELDING OF STEEL STRUCTURAL MEMBER CONNECTIONS SHALL BE DONE USING FILLET, PLUG, BUTT OR SEAM WELDS WITH A MINIMUM 3/32" AWS TYPE 6013 WELDING RODS. ALL WORK SHALL BE COMPLETED BY WELDERS QUALIFIED IN WELDING OF SHEET STEEL IN ACCORDANCE WITH AMERICAN WELDING SOCIETY (AWS) D1.3 STANDARDS. WELD AREAS SHOULD BE RE-TOUCHED WITH THE APPROPRIATE PAINT OR COLD-GALVANIZED TO RETAIN CORROSION RESISTANCE.

4. WELDED OR SCREWED SPLICES SHALL BE USED FOR ALL CONTINUOUS TRACKS. WIRE TYING OF STUD FRAMING COMPONENTS SHALL NOT BE PERMITTED.

5. WEB PUNCH-OUTS SHOULD BE COORDINATED WITH BRACING AND UTILITY REQUIREMENTS. WEB PUNCH-OUTS OR WEB OPENINGS SHALL BE LOCATED A MINIMUM OF 6" OR MEMBER DEPTH (THE GREATER) FROM STUD OR JOIST BEARING POINTS.

6. STEEL STRUCTURAL STUD TRACK OF THE SAME MIL THICKNESS AS THE STUDS SHALL BE USED AT THE TOP AND BOTTOM OF ALL STUD WALLS, UNLESS NOTED OTHERWISE. TRACK SHALL BE UNPUNCHED, STUDS SHALL SIT FLAT AGAINST THE WEB OF THE STUD TRACK AND BE ATTACHED WITH (1) #8 SCREW, UNLESS NOTED OTHERWISE EACH SIDE OF EACH STUD.

7. SCREWS SHALL BE SELF-DRILLING AND OF TYPE S-12, ASTM C-954, EXCEPT THAT TYPE S, ASTM C-1002, MAY BE USED FOR 33 MIL (20 GAGE) OR 27 MIL (22 GAGE) MATERIAL ONLY. SCREWS SHALL BE 3/8" TO 1/2" LONGER THAN TOTAL MATERIAL THICKNESS.

8. UNLESS NOTED OTHERWISE, ALL STEEL STUD BOTTOM TRACKS IN CONTACT WITH CONCRETE ARE TO BE CONNECTED WITH 0.145"Ø x 1 1/4" MINIMUM EMBEDMENT POWDER ACTUATED FASTENERS AT 16" O.C.

9. CEILING COMPONENTS ARE DESIGNED TO SUPPORT THE MORE CRITICAL OF THE VERTICAL DEFLECTION LIMITATIONS AS FOLLOWS:

   LIVE LOAD DEFLECTION SHALL BE GREATER THAN L/360
   TOTAL LOAD DEFLECTION SHALL BE GREATER THAN L/240

10. ALL METAL STUDS (LOAD BEARING AND NON-LOAD BEARING) SHALL BE 18 GAGE MINIMUM, UNLESS NOTED OTHERWISE.

11. VERTICAL STUDS SUPPORTING FRAMING MEMBERS SHALL BE 100% END BEARING.

12. VERTICAL STUDS INTERRUPTED BY WALL OPENINGS SHALL BE LOCATED EQUALLY ON EACH SIDE OF THE OPENING. WELD STUD FLANGES TOGETHER WITH FILLET WELDS AT 6".

13. ALL FIELD CUTTING OF COLD-FORMED STEEL MEMBERS MUST BE DONE BY SAWING OR SHEARING. TORCH CUTTING OF COLD-FORMED MEMBERS IS UNACCEPTABLE.

14. NO SPLICES, COPING, OR NOTCHING IN STUDS, JOISTS, TRUSS MEMBERS, OR ANY OTHER LOAD CARRYING MEMBER IS ALLOWED WITHOUT EXPLICIT INSTRUCTIONS.

15. CONNECTION OF LIGHT-GAGE METAL FRAMING IS AS FOLLOWS:

   a. LIGHT-GAGE STEEL TO LIGHT-GAGE STEEL CONNECTIONS:
      EDGE DISTANCE....3/8" (EDGE OF MATERIAL TO CENTER OF FASTENER)
      SPACING.....3/4" (MINIMUM CENTER TO CENTER SPACING)

   b. LIGHT-GAGE STEEL TO CONCRETE AND MASONRY CONNECTIONS:
      EDGE DISTANCE....2 1/2" (EDGE OF MATERIAL TO CENTER OF FASTENER)
      SPACING.....3" (MINIMUM CENTER TO CENTER SPACING)

   c. POWDER ACTUATED FASTENER STEEL CONNECTIONS:
      EDGE SPACING.....1/2" (EDGE OF STEEL TO CENTER OF PIN)
      SPACING.....1" (MINIMUM CENTER TO CENTER SPACING)
      EMBEDMENT.....1/2" (REFERENCE MANUFACTURER)

   d. POWDER ACTUATED FASTENER CONCRETE CONNECTIONS:
      EDGE SPACING.....3" (EDGE OF CONCRETE TO CENTER OF PIN)
      SPACING.....4" (MINIMUM CENTER TO CENTER SPACING)
      EMBEDMENT.....1 1/4" (REFERENCE MANUFACTURER)

16. ALL METAL STUD MANUFACTURER'S ASSOCIATION (SSMA) PRODUCTS HAVE A FOUR PART IDENTIFICATION CODE WHICH IDENTIFIES THE SIZE (BOTH DEPTH AND FLANGE WIDTH), STYLE, AND MATERIAL THICKNESS OF EACH MEMBER. THIS NOMENCLATURE IS DESCRIBED HEREIN:

   a. THE FIRST PART OF THE MEMBER DESIGNATION INDICATES THE NOMINAL MEMBER DEPTH:
      362.....3-5/8" MEMBER
      600.....6" MEMBER
      800.....8" MEMBER
      1000.....10" MEMBER
      1200.....12" MEMBER

   b. THE SECOND PART OF THE MEMBER DESIGNATION INDICATES THE MEMBER TYPE:
      S..... STUD OR JOIST
      T..... TRACK
      F.....FURRING CHANNEL - HAT
      U.....CHANNEL

   c. THE THIRD PART OF THE MEMBER DESIGNATION INDICATES THE FLANGE WIDTH:
      S137.....1-3/8" FLANGE WITH 3/8" RETURN LIP
      S162.....1-5/8" FLANGE WITH 1/2" RETURN LIP
      S200.....2" FLANGE WITH 5/8" RETURN LIP
      S250.....2-1/2" FLANGE WITH 5/8" RETURN LIP
      S300.....3" FLANGE WITH 5/8" RETURN LIP
      S350.....3-1/2" FLANGE WITH 1" RETURN LIP
      T125.....1-1/4" FLANGE WITH NO RETURN LIP

   d. THE FOURTH PART OF THE MEMBER DESIGNATION INDICATES THE MEMBER THICKNESS:

SSMA REF.	GAGE THICKNESS	MIN. THICKNESS	DESIGN THICKNESS
33 MILS	20	0.0329"	0.0346"
43 MILS	18	0.0428"	0.0451"
54 MILS	16	0.0538"	0.0566"
68 MILS	14	0.0677"	0.0713"
97 MILS	12	0.0966"	0.1017"
118 MILS	10	0.1180"	0.1242"

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DRAWING SEAL:

REGISTERED PROFESSIONAL ENGINEER
ANDREW LEE TODOROVICH
No. C-90948
Exp. 03/31/2028
CIVIL
STATE OF CALIFORNIA

DATE OF CERTIFICATE OR STAMPED SIGNATURE SHALL BE THE DATE OF THE SUBMITTAL PERSON SIGNING THIS DOCUMENT IS RESPONSIBLE FOR ONLY THAT PORTION OF THE DOCUMENT THAT THEY HAVE PREPARED.

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/16/26	PERMIT SET

LOCATION:

TERIYAKI MADNESS
STORE #: ### AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: BH REVIEWED BY: FA

TITLE:

STRUCTURAL GENERAL NOTES

SHEET NUMBER:

S0.1

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GENERAL

A. THIS STRUCTURAL SPECIAL INSPECTION PLAN IDENTIFIES THE RESPONSIBILITIES OF THE CONTRACTOR AND THE SPECIAL INSPECTOR IN PERFORMING THE TESTING AND INSPECTION OF THE WORK REQUIRED BY CHAPTER 17 OF THE BUILDING CODE THAT IS WITHIN THE SCOPE OF THE STRUCTURAL ENGINEERING SERVICES FOR THIS PROJECT. REFER TO OTHER PORTIONS OF THE CONSTRUCTION DOCUMENTS FOR TESTING AND INSPECTIONS REQUIRED OF ARCHITECTURAL, MECHANICAL, ELECTRICAL, OR OTHER BUILDING COMPONENTS.

OWNER RESPONSIBILITIES

A. THE OWNER SHALL HIRE AN INDEPENDENT INSPECTION FIRM TO EXECUTE THE SPECIAL INSPECTIONS REQUIRED.

CONTRACTOR RESPONSIBILITIES

A. THE CONTRACTOR SHALL SUBMIT TO THE BUILDING OFFICIAL AND THE ARCHITECT A WRITTEN STATEMENT OF RESPONSIBILITIES THAT CONTAIN THE FOLLOWING:

1. ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED WITHIN THIS STRUCTURAL SPECIAL INSPECTION PLAN.
2. ACKNOWLEDGEMENT THAT CONTROL SHALL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
3. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATIONS, THE METHOD AND FREQUENCY OF REPORTING, AND THE DISTRIBUTION OF REPORTS.
4. IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

B. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE SPECIAL INSPECTOR IS PRESENT FOR ALL WORK REQUIRING SPECIAL INSPECTION. ANY WORK THAT REQUIRES SPECIAL INSPECTION AND IS PERFORMED WITHOUT THE SPECIAL INSPECTOR BEING PRESENT IS SUBJECT TO BE DEMOLISHED AND RECONSTRUCTED.

C. THE CONTRACTOR HAS THE FOLLOWING RESPONSIBILITIES TO THE SPECIAL INSPECTOR:

1. PROVIDE A COPY OF CONSTRUCTION DOCUMENTS TO THE SPECIAL INSPECTOR.
2. NOTIFY THE SPECIAL INSPECTOR SUFFICIENTLY IN ADVANCE OF OPERATIONS TO ALLOW ASSIGNMENT OF PERSONNEL AND SCHEDULING OF TESTS.
3. COOPERATE WITH SPECIAL INSPECTOR AND PROVIDE ACCESS TO WORK.
4. PROVIDE SAMPLES OF MATERIALS TO BE TESTED IN REQUIRED QUANTITIES.
5. PROVIDE STORAGE SPACE FOR THE SPECIAL INSPECTOR'S EXCLUSIVE USE, SUCH AS FOR STORING AND CURING CONCRETE TESTING SAMPLES.
6. PROVIDE LABOR TO ASSIST THE SPECIAL INSPECTOR IN PERFORMING TESTS/INSPECTIONS.

SPECIAL INSPECTOR RESPONSIBILITIES

A. THE SPECIAL INSPECTOR SHALL MAINTAIN RECORDS OF INSPECTIONS IN ACCORDANCE WITH CHAPTER 17 OF THE BUILDING CODE AND SHALL DISTRIBUTE THESE RECORDS TO THE OWNER, BUILDING OFFICIAL, ARCHITECT, AND STRUCTURAL ENGINEER ON A WEEKLY BASIS. AT THE CONCLUSION OF THE PROJECT, THE SPECIAL INSPECTOR SHALL SUBMIT A WRITTEN STATEMENT THAT THE SPECIAL INSPECTIONS DURING CONSTRUCTION HAVE COMPLIED WITH THIS STRUCTURAL SPECIAL INSPECTION PLAN AND THAT ANY DISCREPANCIES NOTED DURING CONSTRUCTION HAVE BEEN CORRECTED.

SPECIAL INSPECTIONS FOR CONCRETE

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	REFERENCED STANDARD [a]
1. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS [b]:			
a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X		ACI 318: 17.8.2.4, 17.8.2
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 1a.		X	

FOR SI: 1 INCH = 25.4 mm

(a) WHERE APPLICABLE, SEE SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.

(b) SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REQUIRED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK.

POST-INSTALLED ANCHORS

A. POST-INSTALLED CONCRETE ANCHORS SHALL BE ADHESIVE ANCHORS OR MECHANICAL ANCHORS AS INDICATED ON THE DRAWINGS. THE ANCHOR TYPES AND CONDITIONS LISTED BELOW ARE THE DESIGN AND DETAILING BASIS OF ALL POST-INSTALLED ANCHORAGE IN THE CONTRACT DOCUMENTS:

1. ANCHORAGE TO CONCRETE (CRACKED) ELEMENTS

FOR FAST CURE ADHESIVE APPLICATIONS:

a. HILTI HIT-HY 200-A (ICC ESR-3187) WITH CONTINUOUSLY THREADED RODS (ASTM A193 Gr B7 FOR CARBON STEEL AND ASTM F593 FOR STAINLESS STEEL) OR CONTINUOUSLY DEFORMED REINFORCING STEEL.

FOR SLOW CURE ADHESIVE APPLICATIONS:

a. HILTI HIT-RE 500-V3 (ICC ESR-3814) WITH HILTI HIS-N OR HIS-RN INTERNALLY THREADED INSERTS, CONTINUOUSLY THREADED RODS (ASTM A193 Gr B7 FOR CARBON STEEL AND ASTM F593 FOR STAINLESS STEEL) OR CONTINUOUSLY DEFORMED REINFORCING STEEL.

b. SIMPSON STRONG-TIE SET-XP (ICC ESR-2508) CONTINUOUSLY THREADED RODS (ASTM A193 Gr B7 FOR CARBON STEEL AND ASTM F593 FOR STAINLESS STEEL) OR CONTINUOUSLY DEFORMED REINFORCING STEEL.

FOR MECHANICAL ANCHOR APPLICATIONS:

a. SIMPSON TITEN HD SCREW ANCHORS (ICC ESR-1056)

B. ANCHOR CAPACITY USED IN DESIGN SHALL BE BASED ON THE TECHNICAL DATA PUBLISHED BY THE MANUFACTURER. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT LISTED ABOVE FOR EACH OF THE SPECIFIC CONNECTIONS DETAILED IN THE PLANS. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC-ES AC58, ICC-ES AC60, AND/OR ICC-ES AC308 SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE, AND INSTALLATION TEMPERATURE.

C. INSTALL ANCHORS PER THE MANUFACTURER INSTRUCTIONS.

D. OVERHEAD ADHESIVE ANCHORS MUST BE INSTALLED USING THE HILTI PROFIS SYSTEM.

E. THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.

F. ANCHOR CAPACITY IS DEPENDANT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE OR MASONRY. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS. UNLESS SPECIFIED OTHERWISE, ANCHORS SHALL BE EMBEDDED IN THE APPROPRAITE SUBSTRATE WITH A MINIMUM EMBEDMENT OF 8 TIMES THE NOMINAL ANCHOR DIAMETER OR THE EMBEDMENT REQUIRED TO SUPPORT THE INTENDED LOAD.

G. EXISTING REINFORCING BARS IN THE CONCRETE OR MASONRY STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE BARS CAN BE CUT, THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE OR MASONRY ANCHORS, BY FERROSCAN, GPR, X-RAY, CHIPPING OR OTHER MEANS. ANY DAMAGE TO THE EXISTING STRUCTURE DUE TO CUT OR DAMAGED REINFORCEMENT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. SUGGESTED DRILLING PROCEDURE INCLUDES PILOT DRILLING INTO EXISTING CONCRETE OR MASONRY WITH 1/4" DIAMETER, SOFT MASONRY DRILL BIT (OR SIMILAR DRILL BIT DESIGNED TO PENETRATE CONCRETE BUT NOT THROUGH STEEL). IF STEEL REINFORCEMENT IS ENCOUNTERED, IMMEDIATELY STOP DRILLING AND FILL HOLE WITH APPROVED, NON-SHRINK, HIGH-STRENGTH GROUT. CONTACT SER TO RELOCATE ANCHORS TO AVOID EXISTING REINFORCEMENT.

ABBREVIATIONS

A.B.	ANCHOR BOLTS
ADD'L.	ADDITIONAL
A.F.F.	ABOVE FLOOR FINISH
AGGR.	AGGREGATE
ALT.	ALTERNATE
ACI	AMERICAN CONCRETE INSTITUTION
AIA	AMERICAN INSTITUTE OF ARCHITECTS
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN INSTITUTE OF STEEL INSTITUTE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AWS	AMERICAN WELDING SOCIETY
APPROX.	APPROXIMATE
ARCH.	ARCHITECT OR ARCHITECTURAL
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
AVG.	AVERAGE
B.P.	BASE PLATE
BM.	BEAM
BRG.	BEARING
B.N.	BOUNDARY NAILING
BOT.	BOTTOM
B/ or B.O.	BOTTOM OF
B.O.D.	BOTTOM OF DECK
B.O.S.	BOTTOM OF STEEL
BLK'G.	BLOCKING
BLDG.	BUILDING
CLG.	CEILING
CL.	CENTERLINE
C/G	CENTER OF GRAVITY
C/C	CENTER TO CENTER
C	CHANNEL
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONN.	CONNECTION
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
CONTR.	CONTRACTOR
CF	CONTINUOUS FOOTING
CJ.	CONTROL OR CONSTRUCTION JOINT
CJP	COMPLETE JOINT PENETRATION
CY	CUBIC YARD
d	PENNY WEIGHT
DTL.	DETAIL
DIAG.	DIAGONAL
Ø or DIA.	DIAMETER
D.F.	DOUGLAS FIR
DWG.	DRAWING
EA.	EACH
E.F.	EACH FACE
E.W.	EACH WAY
ELECT.	ELECTRIC OR ELECTRICAL
ELEV.	ELEVATION
E.N.	EDGE NAILING
ENGR.	ENGINEER
ENGR'G.	ENGINEERING
EQ.	EQUAL
EQUIP.	EQUIPMENT
EST.	ESTIMATE
(E)	EXISTING
E.J.	EXPANSION JOINT
EXT.	EXTERIOR
FAB.	FABRICATOR OR FABRICATION
F.S.	FAR SIDE
' or FT.	FEET OR FOOT
FIG.	FIGURE
FIN.	FINISH
F.J.	FLOOR JOIST
FLR.	FLOOR
F.N.	FIELD NAILING
FTG.	FOOTING
FDN.	FOUNDATION
FRMG.	FRAMING
GA.	GAGE OR GAUGE
GALV.	GALVANIZED
GEN.	GENERAL
GLB	GLU-LAM BEAM
GR.	GRADE
HORIZ.	HORIZONTAL
" or IN.	INCHES
INFO.	INFORMATION
I.D.	INSIDE DIAMETER
I.F.	INSIDE FACE
JT.	JOINT
K	KIP (1,000 LBS)
KSI	KIPS PER SQUARE INCH
L	ANGLE
LB	POUND
LBS	POUNDS
LG.	LENGTH
LONG.	LONGITUDINAL
LLBB	LONG LEG BACK TO BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LSH	LONG SLOTTED HOLE
LSV	LONG SLOTTED VERTICAL
M.B.	MACHINE BOLT
MAX.	MAXIMUM
MECH.	MECHANICAL
MTL.	METAL
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MIX.	MIXTURE
MULT.	MULTIPLE
N.S.	NEAR SIDE
(N)	NEW
NEC.	NECESSARY
NOM.	NOMINAL
N.T.S.	NOT TO SCALE
# or No.	NUMBER
O.C.	ON CENTER
OPNG.	OPENING
OPP.	OPPOSITE
O.F.	OUTSIDE FACE
PL.	PLATE
PERP.	PERPENDICULAR
PLY.	PLYWOOD
P.T.	PRESSURE TREATED
PCF	POUNDS PER CUBIC FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PROJ.	PROJECT
Q.A.	QUALITY ASSURANCE
QTY.	QUANTITY
R	RADIUS
REF.	REFERENCE
REINF.	REINFORCE, REINFORCED, REINFORCEMENT, OR REINFORCING
REQ.	REQUIREMENT
REQ'D.	REQUIRED
REV.	REVISION
R.J.	ROOF JOIST
R.R.	ROOF RAFTER
SCHED.	SCHEDULE
SECT.	SECTION
S.W.	SHEAR WALL
SHTG.	SHEATHING
SHT.	SHEET
SMS	SHEET METAL SCREW
SSH	SHORT SLOTTED HOLE
SIM.	SIMILAR
SIMP.	SIMPSON STRONG-TIE
SK.	SKETCH
S.I.	SPECIAL INSPECTION
SPECS.	SPECIFICATIONS
SQ.	SQUARE
STAGG.	STAGGER, OR STAGGERED
STD.	STANDARD
STIR.	STIRRUP
STL.	STEEL
STRUCT.	STRUCTURAL
SF	SQUARE FEET
SYM.	SYMMETRICAL
TJI	TRUSS JOIST MACMILLAN I-JOIST
THK.	THICK, OR THICKNESS
THRD.	THREADED
THRU	THROUGH
THRU-OUT	THROUGH-OUT
TOL.	TOLERANCE
T.N.	TOE NAIL
T&G	TONGUE AND GROOVE
T&B	TOP AND BOTTOM
T/ or T.O.	TOP OF
T.O.C.	TOP OF CONCRETE
T.O.F.	TOP OF FOOTING
T.O.M.	TOP OF MASONRY
T.O.S.	TOP OF STEEL
TYP.	TYPICAL
U..O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
VERT.	VERTICAL
VOL.	VOLUME
WT.	WEIGHT
WWR	WELDED WIRE REINFORCEMENT
WWF	WELDED WIRE FABRIC
WF	WIDE FLANGE
w/	WITH
YD.	YARD

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DRAWING SEAL:

REGISTERED PROFESSIONAL ENGINEER
ANDREW FOORE DOON ANGOOD
No. C-90948
Exp. 03/31/2028
CIVIL
STATE OF CALIFORNIA

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

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LOCATION:

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STORE #: #### AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
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PROJECT INFORMATION:

PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: BH REVIEWED BY: FA

TITLE:

SPECIAL INSPECTION SCHEDULES

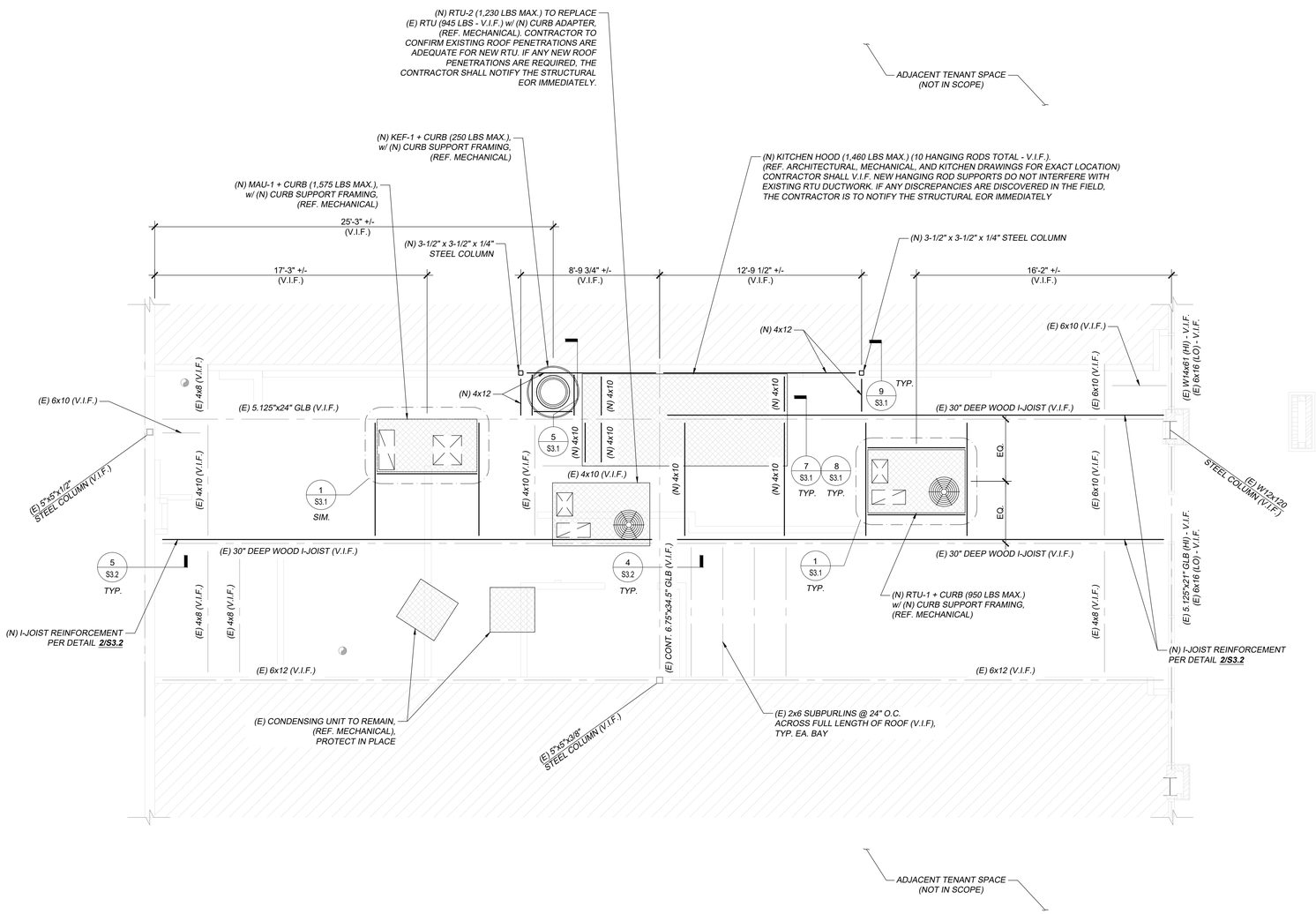
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S0.2

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NOTES:

A. STRIVE ENGINEERING GROUP (SE GROUP) WILL MAKE ALL EFFORTS TO ENSURE ALL DIMENSIONS PROVIDED ARE COMMENSURATE WITH DESIGN DRAWINGS, INCLUDING IDENTIFYING DISCREPANCIES/DEFICIENCIES AS FOUND. SE GROUP CANNOT BE HELD RESPONSIBLE FOR DIMENSIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY CORRECTNESS OF DIMENSIONS PRIOR TO FABRICATION AND/OR ERECTION OF ALL WORK WITHIN DRAWINGS. USE OF DRAWINGS SUBMITTED BY SE GROUP ASSUMES ACCEPTANCE OF SAID DRAWINGS AND DIMENSIONS WITHIN BY CONTRACTOR. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS WITHIN OR OUTSIDE OF THE SCOPE OF SERVICE AND PROVIDE THIS INFORMATION TO THE ARCHITECT/ENGINEER. NEW DESIGN INTENT MAY REQUIRE ALTERATION BASED ON FINDINGS FROM THE CONTRACTOR.



1 ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

N
NORTH

ROOF FRAMING NOTES

1. FOR INFORMATION NOT SHOWN, REFER TO TYPICAL DETAILS.
2. CONTRACTOR SHALL VERIFY DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR MUST VERIFY ALL EXISTING STRUCTURE IN LOCATIONS THAT ARE BEING AFFECTED BY THE TENANT IMPROVEMENT AND REPORT ANY DIFFERENCE FROM THESE PLANS TO THE STRUCTURAL ENGINEER OF RECORD BEFORE CONSTRUCTION OR FABRICATION BEGINS.
4. CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ALL REFERENCED MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT, INCLUDING EXACT PIPING SIZES AND LOCATIONS. EQUIPMENT ANCHOR BOLTS SHOWN ON THESE PLANS (IF APPLICABLE) SHALL BE VERIFIED AND CONFIRMED WITH APPROVED, CERTIFIED MANUFACTURER'S EQUIPMENT DRAWINGS PRIOR TO INSTALLATION.
5. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS AND CONSTRUCTION OF NON-LOAD BEARING STUD WALLS, FIXTURES, AND OTHER ITEMS NOT PRESENTED HEREIN.
6. CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SHORING DURING CONSTRUCTION.
7. VERIFY NEW OPENING LOCATIONS WITH ARCHITECTURAL DRAWINGS AND REPORT ANY CONFLICTS TO THE STRUCTURAL ENGINEER OF RECORD BEFORE CONSTRUCTION OR FABRICATION BEGINS.
8. THESE PLANS AND ANALYSIS ONLY ADDRESS THE LOCALIZED AREAS BEING AFFECTED BY THE CURRENT REMODEL. ALL OTHER ANALYSIS (IF REQUIRED), ARE TO BE PERFORMED BY OTHERS.
9. IF THE CONTRACTOR CANNOT VERIFY BY SIZE AND DESIGNATION ALL EXISTING FRAMING, SPECIFICALLY IN THE LOCATIONS THAT ARE BEING AFFECTED BY THE TENANT IMPROVEMENT, THE STRUCTURAL ENGINEER OF RECORD MUST BE NOTIFIED IMMEDIATELY BEFORE CONSTRUCTION OR FABRICATION BEGINS.
10. DURING THE DEMOLITION OF ALL INTERIOR/EXTERIOR FRAMING (AS SHOWN ON THE DEMO PLAN), THE CONTRACTOR MUST VERIFY THAT ALL FRAMING COMING OUT (i.e. BEING DEMO'D) IS NOT LOAD BEARING OR IF IT IS LOAD BEARING, SHORING PROVIDED BY THE CONTRACTOR MUST BE INSTALLED UNTIL PERMANENT STRUCTURE IS COMPLETELY CONSTRUCTED. THE CONTRACTOR MUST CONTACT THE STRUCTURAL ENGINEER OF RECORD BEFORE CONTINUING WITH CONSTRUCTION (IN THAT AREA) IF THERE ARE AREAS OF THE EXISTING STRUCTURE THAT APPEAR TO BE OR ARE LOAD BEARING (i.e. ALL STRUCTURAL ELEMENTS SUCH AS BEAMS, WALLS, COLUMNS, FLOOR/ROOF FRAMING, etc.).
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL INSTALLATIONS, CONDITIONS, MATERIALS, AND FINISHES WITHIN THE PROPOSED CONSTRUCTION AREA AND ALL ADJOINING PROPERTY AFFECTED BY CONTRACTOR'S OPERATIONS. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND BRACING FOR ALL STRUCTURAL OR REMOVAL TASKS. THE CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR ANY DAMAGE OR INJURIES CAUSED BY OR DURING THE EXECUTION OF THE WORK. ANY EXISTING MATERIALS AND FINISHES WHICH ARE DAMAGED, SHALL BE REPLACED AS NECESSARY WITH THE NEW MATCHING MATERIALS AT THE CONTRACTOR'S OWN COST AND EXPENSE.
12. EXISTING ROOFTOP EQUIPMENT LOCATIONS, SIZES, AND CURB DIMENSIONS SHALL BE FIELD VERIFIED AND DOCUMENTED BY THE MECHANICAL ENGINEER. STRUCTURAL OBSERVATIONS AND FRAMING DESIGN ARE BASED ON LOCATIONS PROVIDED BY MEP DRAWINGS. SE GROUP SHALL NOT BE RESPONSIBLE FOR DISCREPANCIES ARISING FROM INACCURATE OR INCOMPLETE FIELD MEASUREMENTS PROVIDED BY OTHERS.

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DRAWING SEAL:

REGISTERED PROFESSIONAL ENGINEER
FEREIDOON ANGOSHTARI
No. C-90948
Exp. 09/31/2028
CIVIL
STATE OF CALIFORNIA
SIGNED: 03/31/2026
DOCUMENTS PREPARED BY OR UNDER THE DIRECT SUPERVISION OF THE REGISTERED PROFESSIONAL ENGINEER SHOWN HEREON

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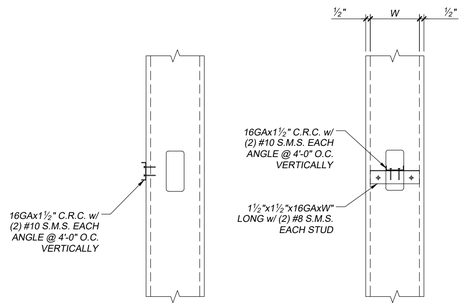
TITLE:

ROOF FRAMING PLAN

SHEET NUMBER:

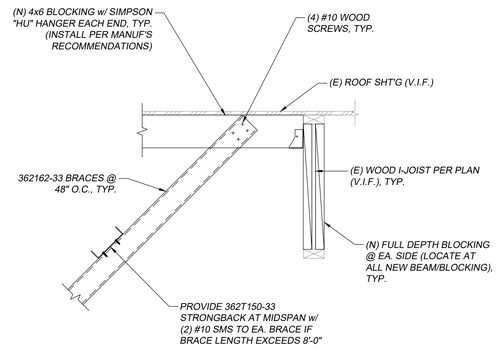
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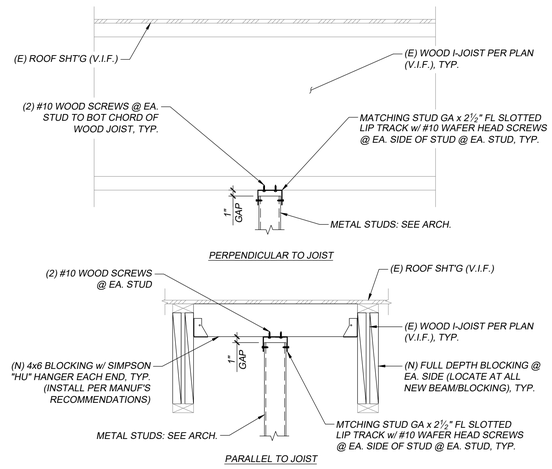


NOTE:
PLACE STRAP AND / OR C.R.C. ON SIDE(S) WHERE SHEATHING DOES NOT OCCUR.

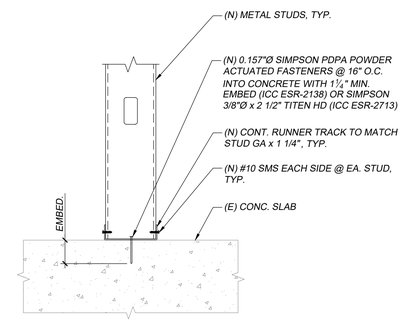
8 BRIDGING DETAIL
SCALE: 1-1/2" = 1'-0"



5 BRACE CONN. DETAIL
SCALE: 1" = 1'-0"

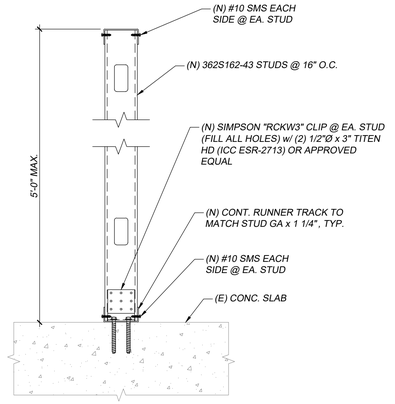


3 PARTITION TO ROOF FRAMING
SCALE: 1" = 1-0"

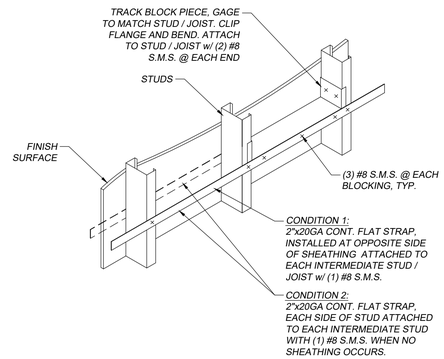


1 BOTT. TRACK ANCHORAGE AT INT. WALL
SCALE: 1-1/2" = 1'-0"

9 SOFFIT CONN. DETAIL
SCALE: 1" = 1'-0"



6 PONY WALL CONN. DETAIL
SCALE: 1-1/2" = 1'-0"

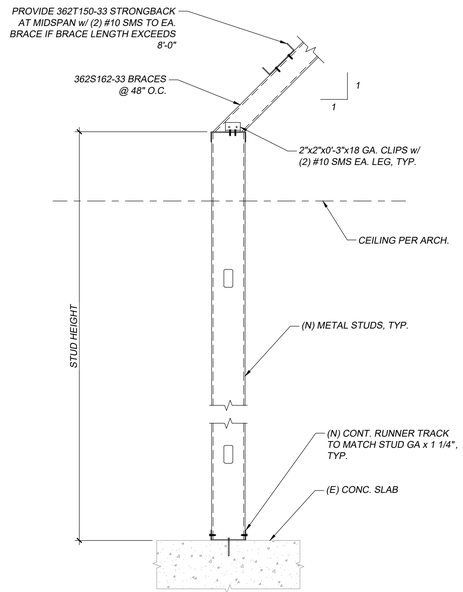


NOTE:
BLOCKING TO OCCUR AT EACH END OF WALL / CEILING OR ADJACENT TO EACH OPENING AND @ 8'-0" O.C. MAXIMUM IN STRAP DIRECTION AND 4'-0" O.C. MAXIMUM IN OPPOSITE DIRECTION.

7 FLAT STRAP w/ BLOCKING AT WALL
SCALE: 1/2" = 1'-0"

PARTIAL HEIGHT STUD SCHEDULE		
WALL THICKNESS	STUD SECTION	MAX. HEIGHT
3⅝"	362S162-33 @ 16" O.C.	12'-0"
6"	600S162-33 @ 16" O.C.	12'-0"

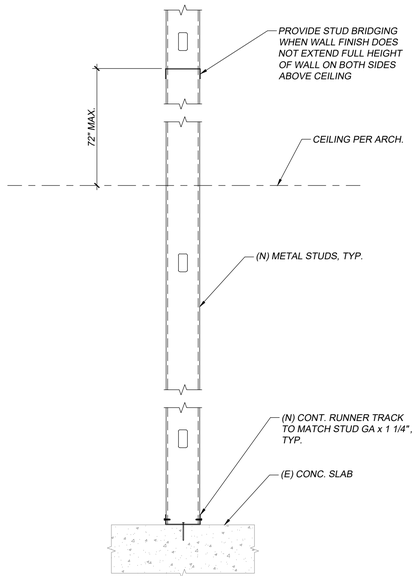
NOTES:
1. CONDITIONS SHOWN ARE FOR INTERIOR, NON-BEARING CASES ONLY.
2. CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER OF RECORD IF STUD HEIGHT EXCEEDS MAX HEIGHT LISTED IN SCHEDULE.
3. SIZES SHOWN IN TABLE ARE MINIMUM SIZES ONLY. ALTERNATE SIZES WITH EQUIVALENT STRENGTH CAN BE USED, CONFIRM WITH STRUCTURAL ENGINEER BEFORE USE.



4 PARTIAL HEIGHT INT. STUD SCHEDULE
SCALE: 1" = 1'-0"

FULL HEIGHT STUD SCHEDULE		
WALL THICKNESS	STUD SECTION	MAX. HEIGHT
3⅝"	362S200-43 @ 16" O.C.	18'-0"
6"	600S162-33 @ 16" O.C.	20'-0"

NOTES:
1. CONDITIONS SHOWN ARE FOR INTERIOR, NON-BEARING CASES ONLY.
2. CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER OF RECORD IF STUD HEIGHT EXCEEDS MAX HEIGHT LISTED IN SCHEDULE.
3. SIZES SHOWN IN TABLE ARE MINIMUM SIZES ONLY. ALTERNATE SIZES WITH EQUIVALENT STRENGTH CAN BE USED, CONFIRM WITH STRUCTURAL ENGINEER BEFORE USE.



2 FULL HEIGHT INT. STUD SCHEDULE
SCALE: 1" = 1'-0"

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CONSULTANT:
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Structural Consulting Engineers
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DRAWING SEAL:
REGISTERED PROFESSIONAL ENGINEER
FREDDOON ANGOORI
No. C-90948
Exp. 09/31/2028
CIVIL
STATE OF CALIFORNIA

CONTRACTOR'S NOTES:
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△	DATE	ISSUE / REVISION
	04/16/26	PERMIT SET

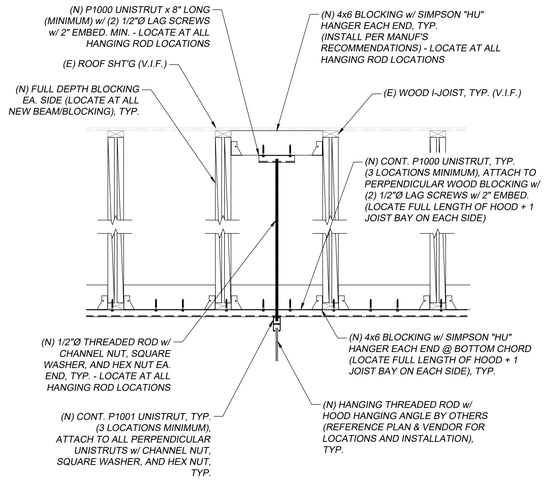
LOCATION:
TERIYAKI MADNESS
STORE #: ### AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: BH REVIEWED BY: FA

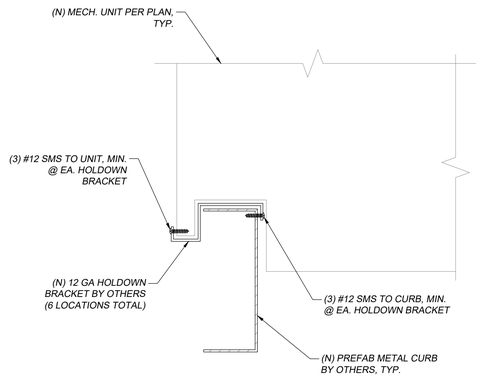
TITLE:
TYPICAL METAL STUD DETAILS

SHEET NUMBER:
S2.1

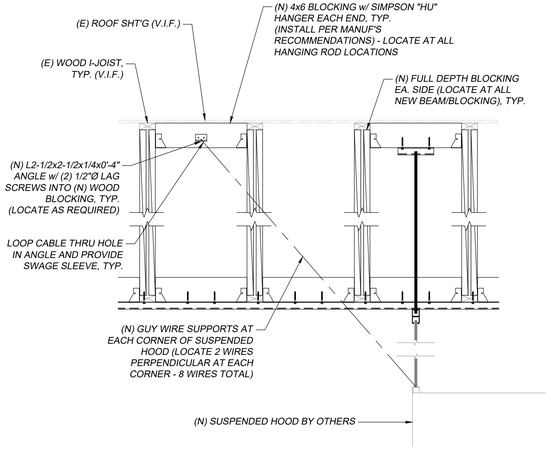
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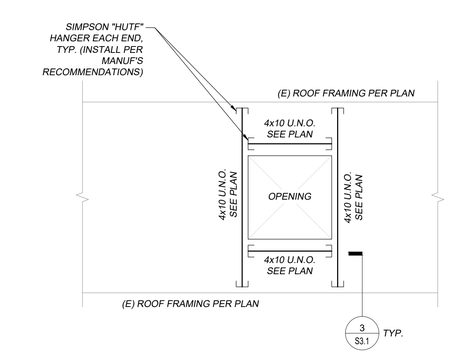
7 SUSPENDED HOOD CONN. DETAIL
SCALE: 3/4" = 1'-0"



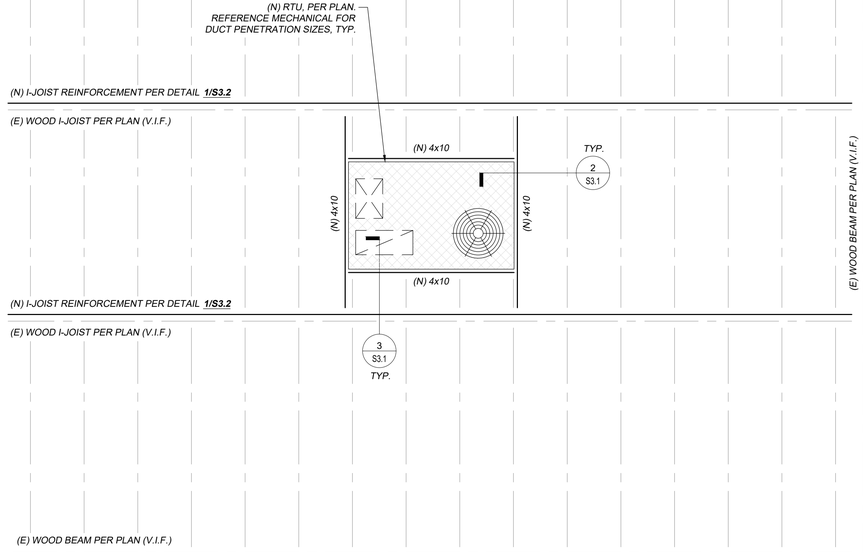
4 EQUIP. TO CURB DETAIL
SCALE: 3" = 1'-0"



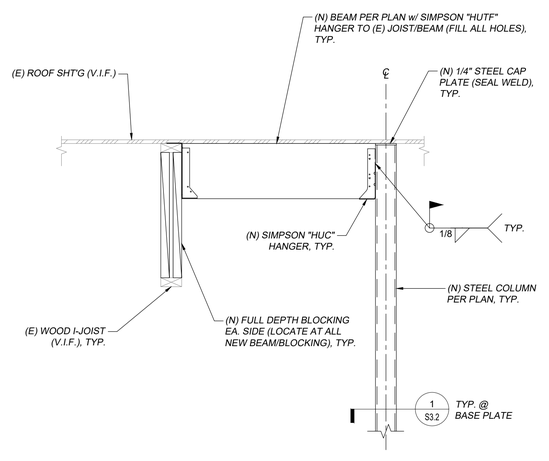
8 SUSPENDED HOOD BRACE DETAIL
SCALE: 3/4" = 1'-0"



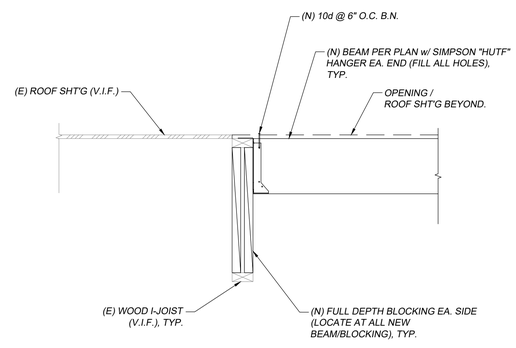
5 TYP. ROOF OPENING DETAIL
SCALE: 1" = 1'-0"



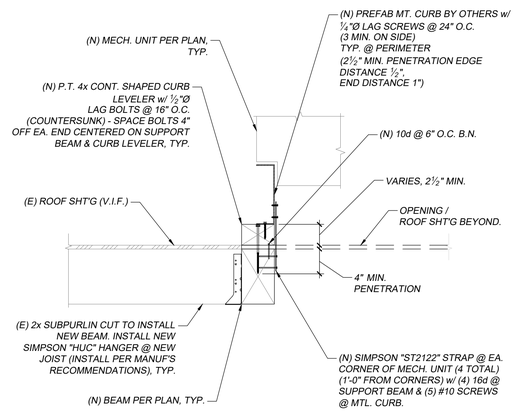
1 (N) TYP. RTU LAYOUT AND SUPPORT FRAMING PLAN
SCALE: 3/8" = 1'-0"



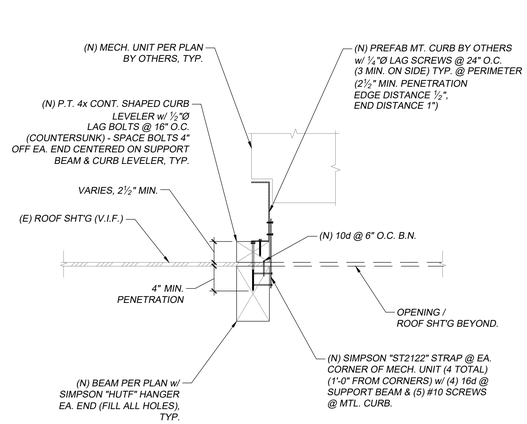
9 (N) BEAM CONN. DETAIL
SCALE: 1" = 1'-0"



6 TYP. BEAM TO I-JOIST CONNECTION
SCALE: 1" = 1'-0"



3 (N) RTU CONN. DETAIL
SCALE: 1" = 1'-0"



2 (N) RTU CONN. DETAIL
SCALE: 1" = 1'-0"

NOTES:

1. *IT IS STRONGLY RECOMMENDED THAT THE CONTRACTOR USES AN APPROVED PREMANUFACTURED (BY THE RTU MANUFACTURER) CURB LEVELER.*
2. *THE CONTRACTOR MUST PROVIDE ALL ADDITIONAL ROOFING/FLASHING & COORDINATE WITH THE APPROPRIATE DESIGN CONSULTANTS & ROOF COMPANY SO THAT THE FRAMING SHOWN IN THIS DETAIL & THESE PLANS ARE COMPLETELY SEALED FROM WEATHER & TO ENSURE A ROOF WARRANTEE CAN BE OBTAINED AND BE THE THE OWNER' SATISFACTION.*
3. *ALL (4) CORNERS OF THE MECHANICAL UNIT AND EACH SIDE MUST BE ANCHORED AS SHOWN, TYP.*
4. *CURB CLIP FROM UNIT TO CURB SHALL BE PROVIDED BY THE EQUIPMENT MANUFACTURER.*

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DRAWING SEAL:

REGISTERED PROFESSIONAL ENGINEER — FEREIDOON ANGOORI — No. C-90948 — Exp. 09/31/2028 — CIVIL — STATE OF CALIFORNIA

DATE OF CERTIFICATION SHOWN IS FOR SUBMITTAL PURPOSES ONLY AND DOES NOT IMPLY COMPLIANCE WITH LOCAL JURISDICTIONAL REQUIREMENTS

CONTRACTOR'S NOTES:

WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS. THE CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, THE CONTRACT TO THE TENANT'S REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. CHANGE ORDERS NEED TO BE APPROVED BY TMAD CONSTRUCTION MANAGER FOR ISSUES ARISING FROM THE FIELD CONDITIONS OR CONFLICTS BETWEEN THE PLANS AND THE EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.

△	DATE	ISSUE / REVISION
	04/16/26	PERMIT SET

LOCATION:

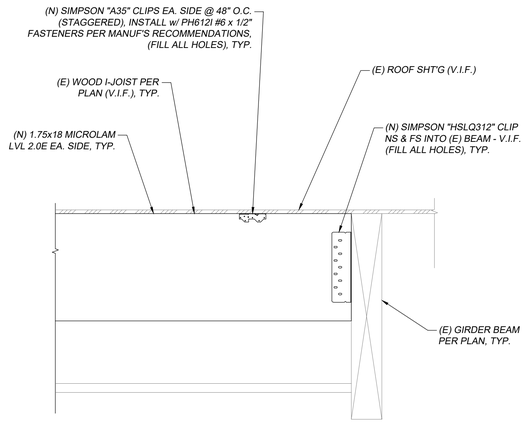
TERIYAKI MADNESS
STORE #: ### AT APPLE VALLEY
12218 APPLE VALLEY ROAD, SUITE 108,
APPLE VALLEY, CALIFORNIA 92308

PROJECT INFORMATION:
PROJECT NUMBER: 13074-25
AREA: 1,297 SQ. FT.
DRAWN BY: BH REVIEWED BY: FA

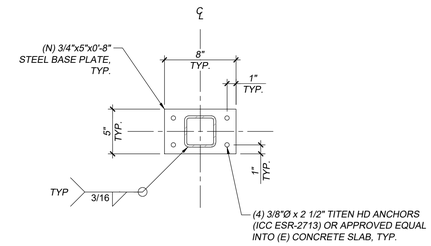
TITLE:
STRUCTURAL DETAILS

SHEET NUMBER:
S3.1

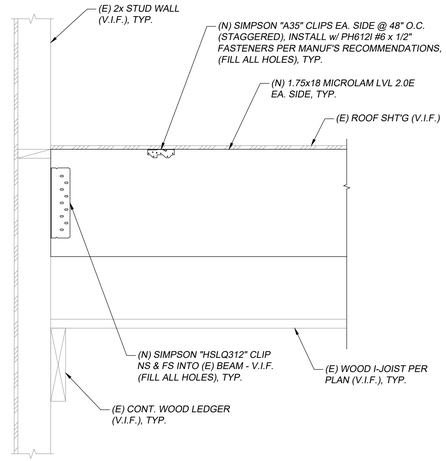
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4 TYP. (N) BEAM TO (E) BEAM CONNECTION
SCALE: 1" = 1'-0"

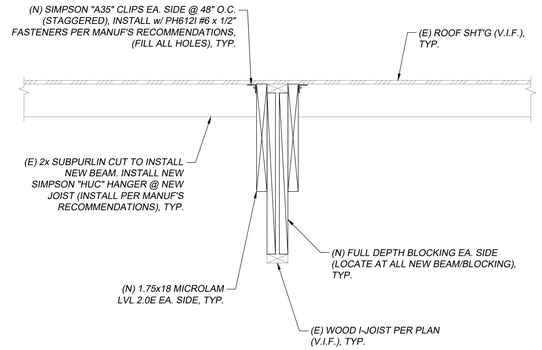


1 (N) STEEL COLUMN BASE PLATE DETAIL
SCALE: 1 1/2" = 1'-0"



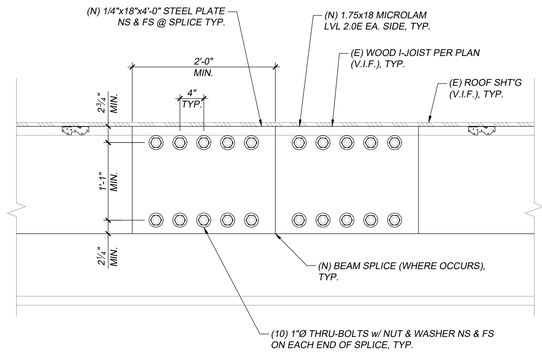
5 TYP. (N) BEAM TO (E) STUD WALL CONN.
SCALE: 1" = 1'-0"

NOTE:
*FOR INFORMATION NOT SHOWN, REFERENCE DETAIL **3/S3.2**.*



2 TYP. JOIST REINF. DETAIL
SCALE: 1" = 1'-0"

NOTE:
*FOR INFORMATION NOT SHOWN, REFERENCE DETAIL **2/S3.2**.*



3 TYP. TRUSS REINF. SPLICE DETAIL
SCALE: 1" = 1'-0"

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LOCATION:

TERIYAKI MADNESS
STORE #: ### AT APPLE VALLEY
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PROJECT INFORMATION:

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AREA: 1,297 SQ. FT.
DRAWN BY: BH REVIEWED BY: FA

TITLE:

STRUCTURAL DETAILS

SHEET NUMBER:

S3.2

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