1130 BROADWAY AVE.,

CHULAVISTA, CA91911

### DRAWING INDEX PROJECT DIRECTORY PROJECT GENERAL NOTES

COSTCO WHOLESALE

G202

G203 G204 G205

S1.1

CAL GREEN

CAL GREEN

CAL GREEN

MECHANICAL AND PLUMBING

FIRE SPRINKLER SYSTEM AND ALARM SYSTEM

SMOKE ALARM SYSTEM

EXISTING RESTROOM ACCESSIBILITY FEATURES

HEARING AID CENTER ENLARGED PLANS, ELEVATION, AND DETAILS

ROOM FINISH SCHEDULE AND TYPICAL INTERIOR DETAILS

MECHANICAL AND PLUMBING PLANS, NOTES, AND LEGENDS

PARTIAL FLOOR PLAN, ENLARGED POWER PLAN, PANEL SCHEDULES, LEGEND AND NOTES

DEFERRED SUBMITTAL

SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD WHO SHALL REVIEW AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED

SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH

THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE BUILDING OFFICIAL HAS APPROVED THE SUBMITTAL

FIRE SPRINKLER SHOP DRAWINGS. FIRE SPRINKLER CONTRACTOR SHALL PREPARE AND SUBMIT PLANS TO THE

VICINITY MAP

\PALOMAR ST

MAIN ST.

STEEL

STRUCTURE, STRUCTURAL

UNLESS NOTED OTHERWISE

TOP OF MASONRY

TOP AND BOTTOM

TOP OF WALL

WITH

WITHOUT

WOOD

STRUCT

W/O

JURISDICTION FOR REVIEW AND APPROVAL PRIOR TO ANY FIRE SPRINKLER WORK COMMENCING. ALTERATIONS TO THE SPRINKLER SYSTEM REQUIRED, UNDER A SEPARATE SUBMITTAL AND PERMIT

MECHANICAL AND PLUMBING SCHEDULES, AND DETAILS

OVERALL CONCEPT FLOOR PLAN

GENERAL NOTE AND PARTIAL CEILING PLAN

999 LAKE DRIVE ISSAQUAH, WA 98027

T: 425.313.8100 MG2 CORPORATION 3333 MICHELSON DR.

SUITE 100 IRVINE, CA 92612

T: 949.705.0773 E: MARIBEL.ABRICA@MG2.COM PROJECT MANAGER: MARIBEL ABRICA

STRUCTURAL ENGINEER 9725 THIRD AVE. N.E.

T: 206.973.5423 E: MINGT@ENGINEERSNW.COM CONTACT NAME: MING TAN

MECHANICAL AND PLUMBING

OWNER

**ARCHITECT** 

830 N. RIVERSIDE DRIVE SUITE 200 RENTON, WA 98055 T: 425.970.3753 F: 425.970.3756 **CONTACT NAME: JAMES FARRIS** 

SEATTLE, WA 98115

T.E., INC.

**ELECTRICAL ENGINEER** 

T.E., INC. 830 N. RIVERSIDE DRIVE SUITE 200 RENTON, WA 98055 T: 425.970.3753. F: 425.970.3756 CONTACT NAME: ANN TIEU

### PROJECT INFORMATION

ZONING DESIGNATION: C-C ASSESSOR'S PARCEL NUMBER: 618-200-61-00

### PROJECT DESCRIPTION

AREA OF REMODEL: 314 S.F.

## CODE ANALYSIS

2019 CALIFORNIA BUILDING CODE, VOLUMES 1 AND 2 2019 CALIFORNIA MECHANICAL CODE

2019 CALIFORNIA PLUMBING CODE 2019 CALIFORNIA EXISTING BUILDING CODE 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN)

2019 CALIFORNIA ENERGY CODE 2019 CALIFORNIA EXISTING BUILDING CODE 2019 CALIFORNIA ADMINISTRATIVE CODE PART 1 AND PART 2

### FIRE GENERAL NOTES

- A FIRE LIFE SAFETY INSPECTION IS REQUIRED PRIOR TO CONSTRUCTION FINAL. REQUEST INSPECTION 48-HOURS IN
- A FIVE-YEAR CERTIFICATE INSPECTION REPORT OF THE FIRE SPRINKLER SYSTEM, BY A LICENSED C16 FIRE
- SPRINKLER PROTECTION IS REQUIRED UNDER EXTERIOR ROOFS, CANOPIES, AND OVERHANGS OVER FOUR-FEET IN

ITEM SIO OR NIC

\_\_\_\_\_\_

AUTOMATIC SPRINKLERS SHALL BE INSTALLED IN OR UNDER COVERED KIOSKS, DISPLAYS, BOOTHS, CONCESSION STAND OR EQUIPMENT THAT EXCEED 4-FEET IN WIDTH.

### ARCHITECTURAL ABBREVIATIONS ARCHITECTURAL SYMBOLS

CUT LINE - DEFINES THE

ITEM SOIC OR SIC CUT LINE - DEFINES THE

SHEET WHERE DRAWN INTERIOR ELEVATION DETAIL IDENTIFICATION -SHEET WHERE DRAWN

WALL TYPES

METAL INSULATED PANELS

FREEZER / COOLER WALLS (SIO)

3 5/8" METAL STUDS UNO AT 16" OC WITH GWB PAINTED EACH FACE UNO PER SCHEDULE

ACOUSTICAL TILE

EXISTING CONSTRUCTION TO REMAIN

SHOWN LIGHT BACKGROUND

EXISTING CONSTRUCTION TO BE

F====

REMOVED - SHOWN DASHED

===

WOOD BLOCKING

WOOD MEMBER

BELOW FINISHED FLOOR (SLAB) **NEW CONSTRUCTION - SHOWN SOLID CENTER LINE** CONCRETE MASONRY UNIT CONC CONCRETE

> FACTORY FINISH FIBER REINFORCED PLASTIC PANEL(S) FIRE RETARDANT TREATED FINISH TO FINISH FACE FTOF GENERAL CONTRACTOR GYPSUM WALLBOARD, GYPSUM HORIZONTAL

ABOVE FINISHED FLOOR (SLAB)

HEATING, VENTILATION, AND AIR CONDITIONING INTERNATIONAL BUILDING CODE NOT TO SCALE ON CENTER

O TO O OUT TO OUT PERP PERPENDICULAR PLYWD PLYWOOD RADIUS REFLECTED CEILING PLAN ROOF DRAIN RAIN LEADER REFRIG REFRIGERATION SUPPLIED AND INSTALLED BY OWNER

STAINLESS STEEL

SUPPLIED AND INSTALLED BY VENDOR SUPPLIED BY OWNER INSTALLED BY CONTRACTOR SUPPLIED BY OWNER INSTALLED BY VENDOR SERVICE SINK, SANITARY SEWER

THESE GENERAL NOTES APPLY TO THE ENTIRE PROJECT AND APPLY TO ALL TRADES. DRAWINGS HAVE BEEN PREPARED ON AN ORIGINAL SHEET SIZE OF 30X42-INCHES.

RECORDS. THE ARCHITECT BEARS NO RESPONSIBILITY FOR THE ACCURACY OF INFORMATION SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING INFORMATION SHOWN PRIOR TO STARTING THE WORK

BE RESPONSIBLE FOR REPAIRING ANY CONTRACTOR-CAUSED DAMAGE TO THE UTILITIES. SUCH REPAIRS SHALL BE DONE

DO NOT SCALE THE DRAWINGS TO OBTAIN DIMENSIONS. WRITTEN DIMENSIONS GOVERN. USE ACTUAL FIELD MEASUREMENTS DIMENSIONS ARE TO/FROM THE:

GRID LINES ADJACENT TO THE EXTERIOR WALL (FACE OF THE COLUMN CLOSEST TO THE EXTERIOR WALL IS THE GRID

c. EDGE OR CENTERLINE OF OPENINGS AS INDICATED. d. FACE OF STUDS.

a. CENTERLINE OF INTERIOR COLUMNS.

ALL HEIGHTS ARE DIMENSIONED FROM THE TOP OF THE SLAB (ALSO NOTED AS FINISHED FLOOR OR INDICATED BY ALL DIMENSIONS NOTED "CLEAR" SHALL BE MAINTAINED AND SHALL ALLOW FOR THE THICKNESS OF ALL FINISHES

VERIFY ALL DIMENSIONS OF EXISTING CONDITIONS. NEITHER THE ARCHITECT NOR HIS CONSULTANTS ARE RESPONSIBLE FOR THE ACCURACY OF THESE DIMENSIONS. IF EXISTING CONDITIONS OR DIMENSIONS ARE NOT AS SHOWN, IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.

SUBCONTRACTORS, OWNER OR OTHERS. THE CONTRACTOR SHALL CONSULT DRAWINGS OF ALL TRADES FOR OPENINGS THROUGH SLABS, WALLS, CEILINGS AND HEIGHTS AND CLEARANCES. RUN PIPING, CONDUITS, ETC. IN JOIST DEPTH. DO NOT RUN BELOW SKYLIGHTS.

ALL JOINTS ARE TO BE TIGHT, STRAIGHT, EVEN, AND SMOOTH.

FINISHES. COMPLY WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.

OWNER. ENSURE UNINTERRUPTED SECURITY AND PHONE SYSTEMS OPERATION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOBSITE SAFETY AND SHALL PROVIDE ALL NECESSARY BARRICADES

SUCH AS IMAGING, INDUCED CURRENT METAL DETECTOR, ETC. AS RECOMMENDED BY THE POST-TENSIONING INSTITUTE. IF ANY PROPOSED PENETRATION IS IN CONFLICT WITH TENDONS, ETC., IMMEDIATELY NOTIFY THE ARCHITECT PRIOR TO

THE BUILDING WILL BE OCCUPIED AND IN FULL USE BY THE OWNER DURING CONSTRUCTION.

CONSTRUCTION THAT MAY AFFECT THE PUBLIC SHALL BE DONE DURING OFF-HOURS FIRE SPRINKLER, ETC. ITEMS NECESSARY TO COMPLETE THE DEMOLITION WORK. THE CONTRACTOR IS TO REMOVE ALL

PROVIDE AND MAINTAIN EGRESS PATHS THROUGHOUT CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, EXIT SIGNS,

WHERE REQUIRED, TRIM EXISTING WOOD DOORS AS NECESSARY TO CLEAR FLOORING. SEAL CUT EDGES.

EXISTING STRUCTURAL MEMBERS (BEAMS, TRUSSES, JOIST, ETC.) WITHOUT WRITTEN APPROVAL OF A LICENSEL STRUCTURAL ENGINEER.  $0.\quad$  DO NOT CUT OR DRILL ANY STRUCTURAL MEMBER (PARTICULARLY ROOF JOIST) WITHOUT WRITTEN APPROVAL OF A LICENSED STRUCTURAL ENGINEER. SHORING OF STRUCTURAL FOUNDATIONS, STRUCTURES, AND/OR TRENCHING REQUIRED TO COMPLETE THE WORK DESCRIBED IN THE DOCUMENTS IS CONSIDERED A MEANS. METHOD OR TECHNIQUE AND IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IF A REGULATORY AGENCY REQUIRES A LICENSED ENGINEER TO SUPERVISE, APPROVE, AND/OR PROVIDE DRAWINGS FOR STRUCTURAL FOUNDATIONS, STRUCTURES, AND/OR TRENCHING, IT IS THE RESPONSIBILITY OF

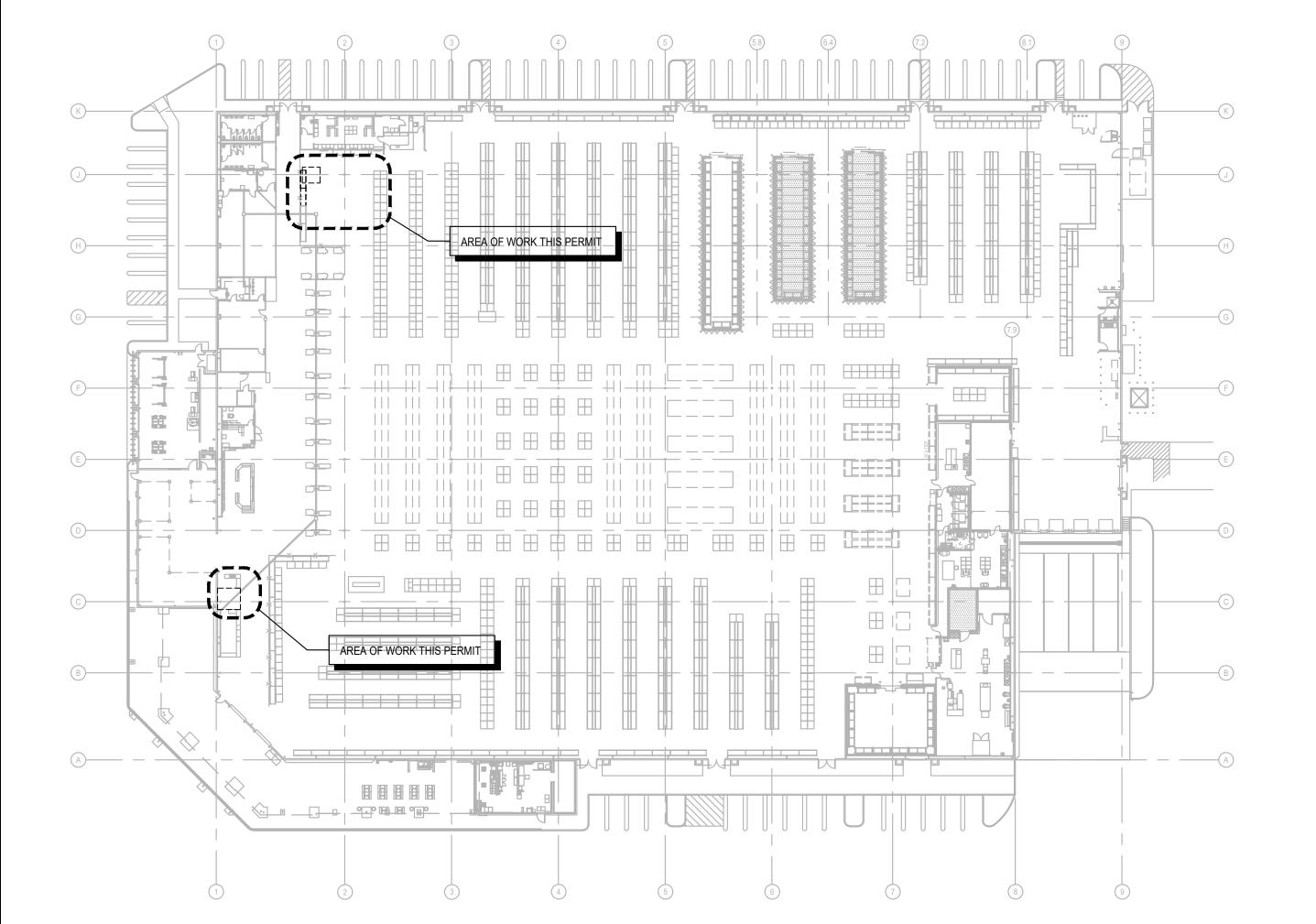
19. UNLESS SHOWN ON THE DRAWINGS OTHERWISE, DO NOT SUPPORT OR SUSPEND ITEMS, EQUIPMENT, HANGERS, ETC. FROM

THE CONTRACTOR TO CONTRACT WITH THE ENGINEER DIRECTLY AND THE COST SHALL BE INCLUDED IN THE BASE BID. 2. ALL SYSTEMS AND SERVICES ARE TO BE LEFT OPERATIONAL PRIOR TO THE END OF EACH WORKDAY. 23. THE CONTRACTOR SHALL REMOVE ALL RUBBLE AND DEBRIS FROM THE JOBSITE DAILY AND LEAVE THE BUILDING AND GROUNDS BROOM CLEAN UPON COMPLETION OF THE WORK.

THE PHASING INDICATED ON THE DRAWING IS THE OWNER'S PREFERRED OPERATIONAL SEQUENCES. THE CONTRACTOR SHALL CONFIRM THE OPERATIONAL PHASING WITH THE OWNER PRIOR TO STARTING CONSTRUCTION THE PHASING SHOWN IS NOT INTENDED TO REPRESENT OR DICTATE CONSTRUCTION PHASING, MEANS, METHODS OR

THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION PHASING SO AS NOT TO IMPACT THE OWNER'S REMOVE WALLS, BOLLARDS, PLUMBING, ELECTRICAL, ETC. AND CAP UTILITIES BELOW THE FLOOR AS REQUIRED TO ACHIEVE THE OPERATIONAL PHASING. PROVIDE TEMPORARY UTILITIES AS REQUIRED DURING PHASING.

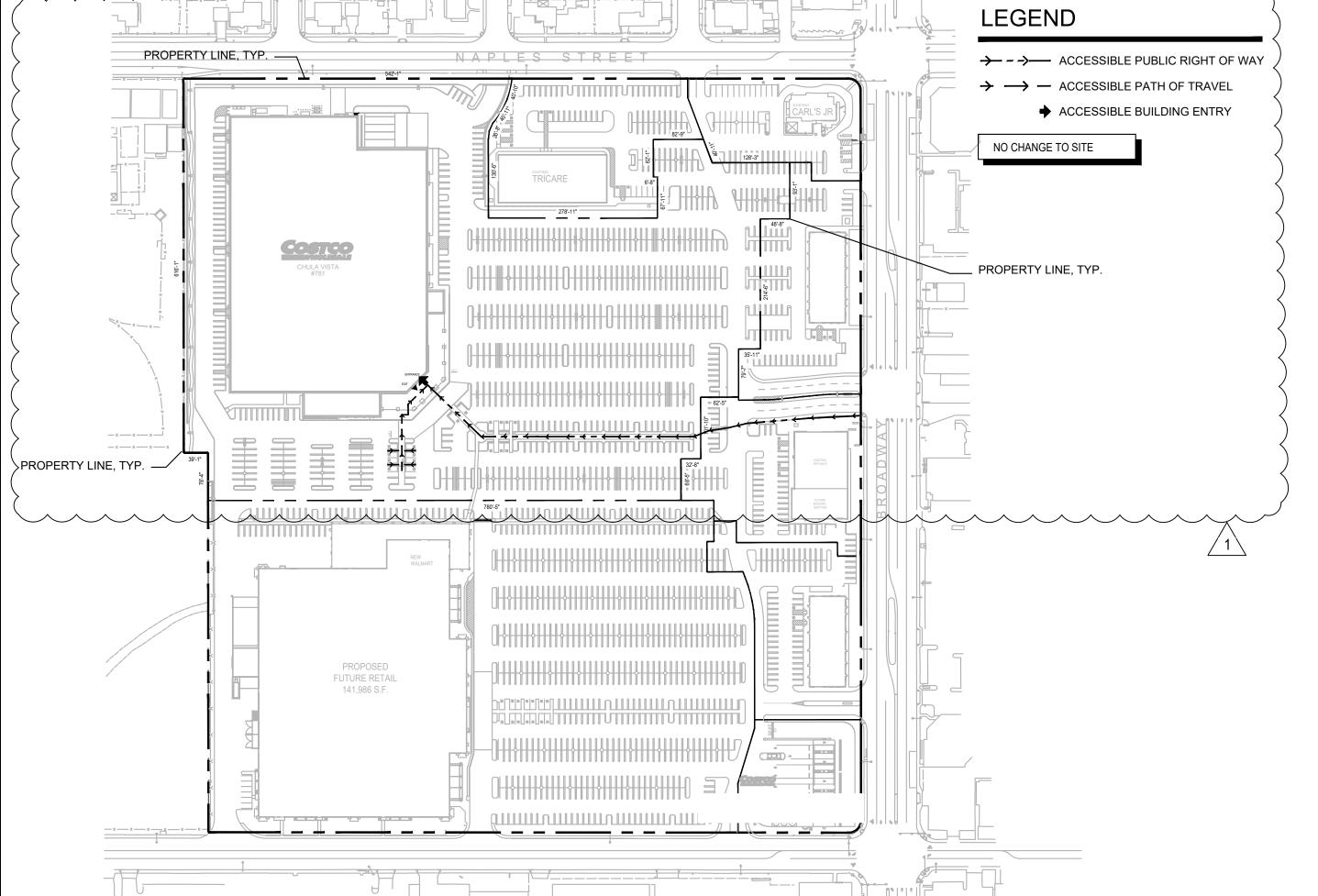
WHEN THE WORK INCLUDES DEMOLITION OF OR TEMPORARILY COVERING OF THE EXISTING EXTERIOR SIGNAGE, THE CONTRACTOR SHALL PROVIDE A TEMPORARY "COSTCO WHOLESALE" SIGNAGE (OF SIZE COMPARABLE TO EXISTING SIGN) UNTIL PERMANENT SIGN IS INSTALLED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS. PROVIDE ILLUMINATION FOR THE TEMPORARY SIGN. CONFIRM LOCATIONS WITH THE OWNER.



### EXISTING FLOOR PLAN

EXISTING SITE PLAN

SCALE: NOT TO SCALE



NATHAN D. MENARD, ARCHITECT

**KEY PLAN** 

CHULA VISTA, CA

1130 BROADWAY AVE. CHULA VISTA, CA 91911

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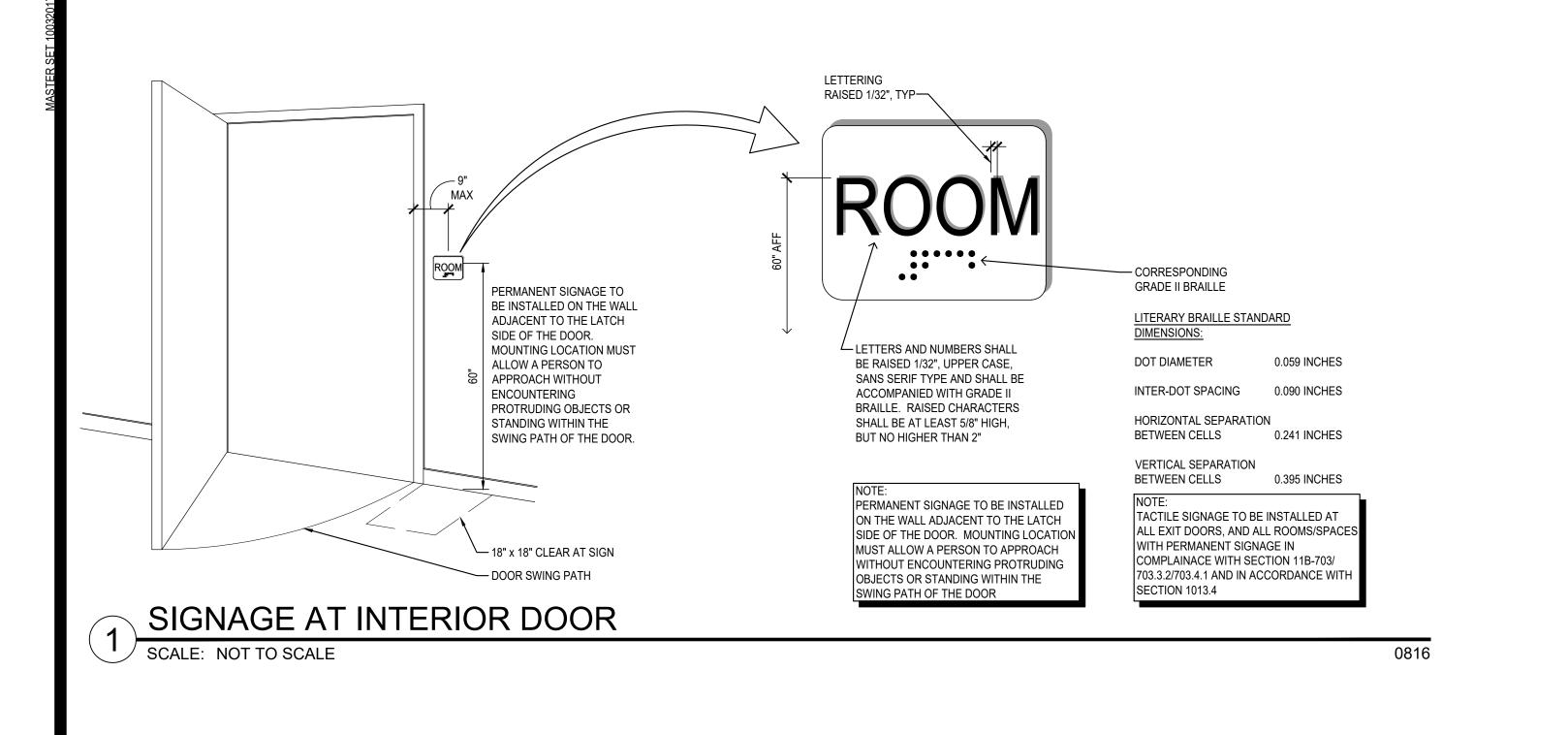
09/30/22 PLAN CHECK COMMENT #

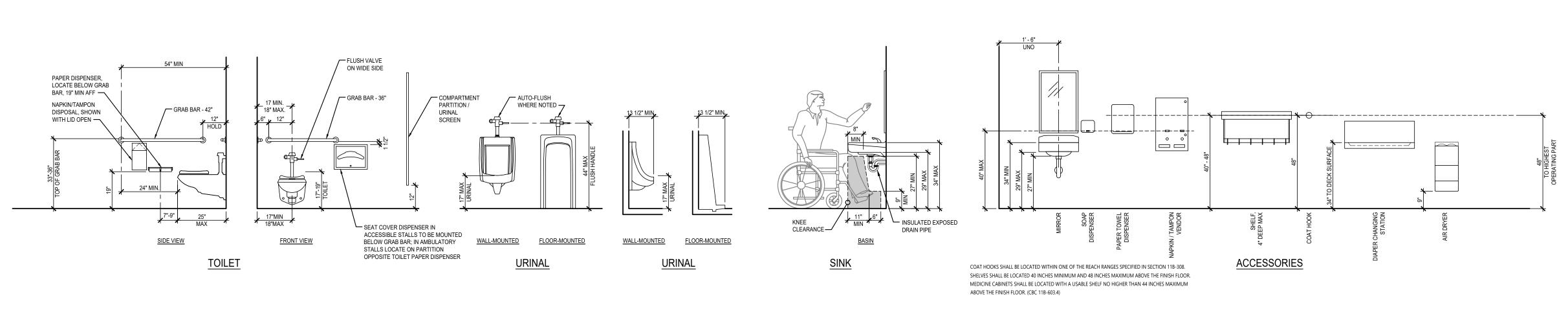
99-5890-20 PM: ARTURO REINA

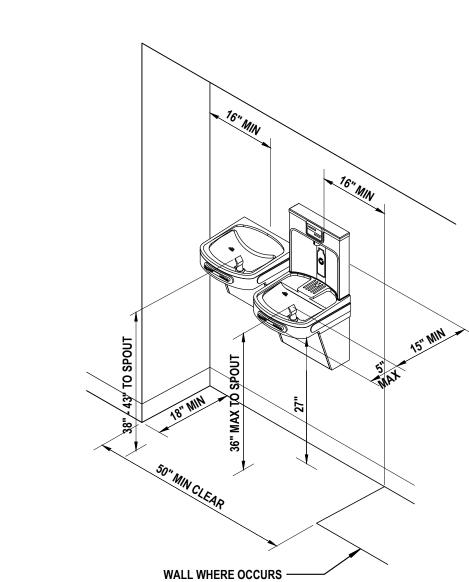
DRAWN: MH

TITLE SHEET

TS101





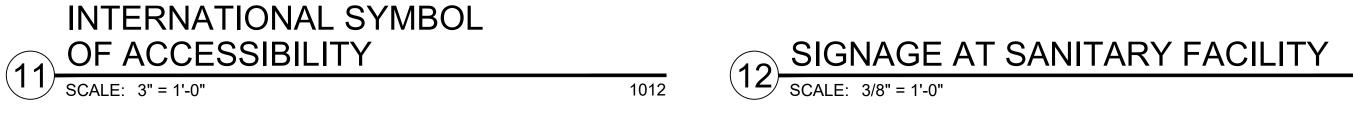


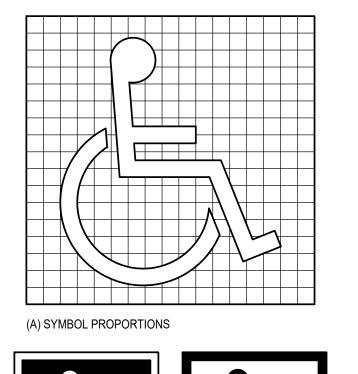
**TYPICAL** DRINKING FOUNTAIN CLEARANCES

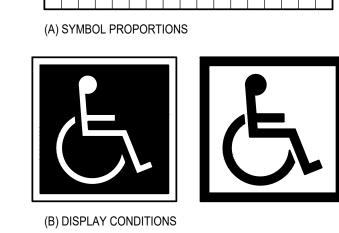
SCALE: 1/2" = 1'-0"

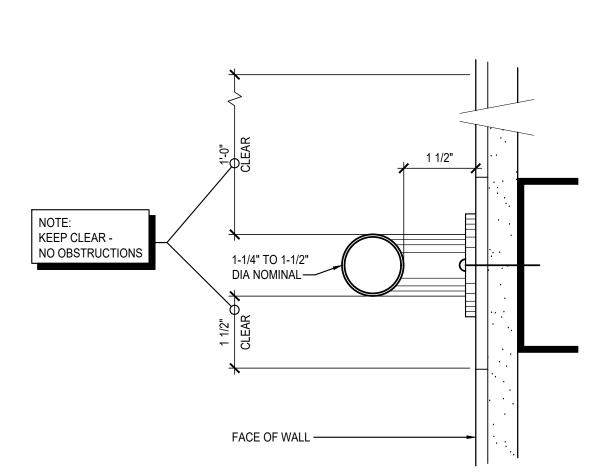
#### MIN TYPICAL SIGNS TO BE 1/8" CLEAR ACRYLIC PLASTIC PANEL WITH GRAPHICS APPLIED DOORS WITH "SCOTCHMOUNT" DOUBLE FACED ADHESIVE 1/32" TAPE WOMEN SIGNS TO BE 1/8" CLEAR ACRYLIC PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PLASTIC PANEL WITH GRAPHICS APPLIE WALL-MOUNTED SIGNAGE TO THE UNDERSIDE OVER 1/8" COLORE TO BE LOCATED ON ACRYLIC (VERIFY COLOR) ATTACHED T CHARACTERS AND SYMBOLS SHALL CONTRAST ON A DARK LATCH SIDE OF DOOR DOORS WITH "SCOTCHMOUNT" DOUBLE BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND CLEAR OF DOOR-SWING -FACED ADHESIVE 1/32" TAPE

6 TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND CLEARANCES
SCALE: NOT TO SCALE



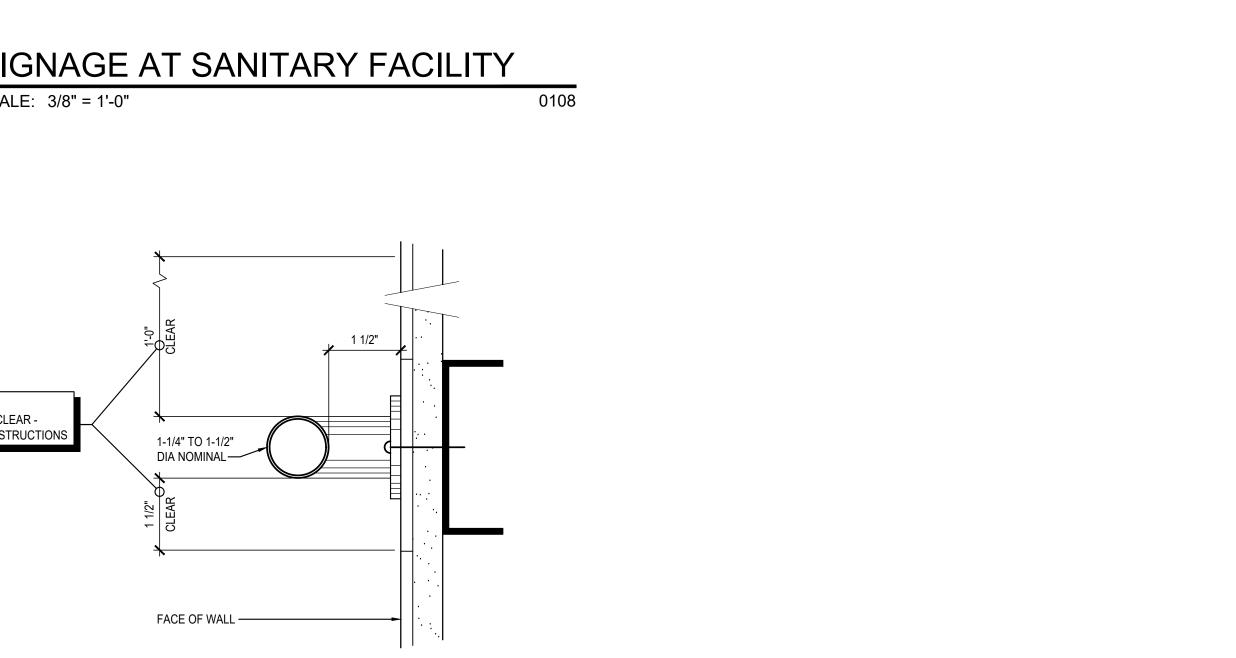






INTERNATIONAL **ACCESSIBILITY SYMBOL** 16 SCALE: 1" = 1"

GRAB BAR



FLOOR PLAN KEYNOTES

PLUMBING FIXTURES

AIR DRYER (SOIC)

TOILET ACCESSORIES - GRAB BARS

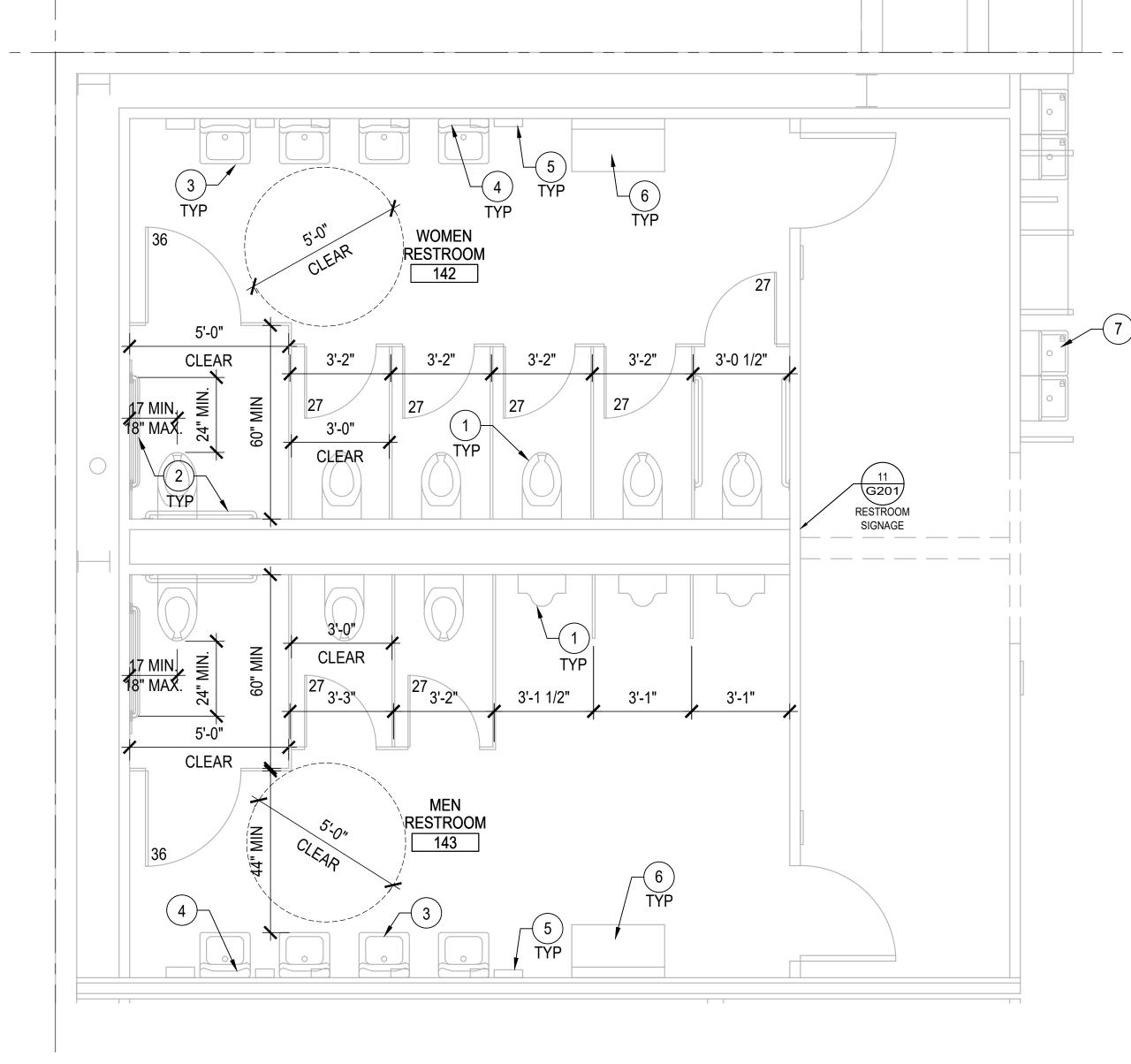
3 SINK, FAUCETS, SOAP DISPENSERS

6 BABY CHANGING TABLE

NO CHANGE TO EXISTING

RESTROOMS. SHOWN AS REFERENCE

7 DRINKING FOUNTAIN



**KEY PLAN** 

CHULA VISTA, CA /

1130 BROADWAY AVE., CHULA VISTA, CA 91911

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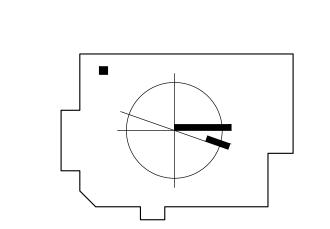
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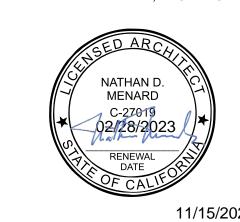
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NATHAN D. MENARD, ARCHITECT



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PM: ARTURO REINA DRAWN: JL

EXISTING RESTROOM ACCESSIBILITY FEATURES G202

EXISTING RESTROOM 19 SCALE: 3/8" = 1'-0"



# 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2020, Includes August 2019 Supplement)

Y N/A RESPON. PARTY		Y N/A RESPON. PARTY	Y N/A RES	SPON. ARTY	Y N/A RESPO	
	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 sec. for definitions, types of commercial real property affected, effective dates, circumstances necessitating replacement of noncompliant plumbing fixtures, and duties and responsibilities for ensuring compliance.		PA			
	<ul> <li>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.</li> <li>301.4 PUBLIC SCHOOLS AND COMMUNITY COLLEGES. (see GBSC)</li> <li>301.5 HEALTH FACILITIES. (see GBSC)</li> <li>SECTION 302 MIXED OCCUPANCY BUILDINGS</li> <li>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.</li> <li>SECTION 303 PHASED PROJECTS</li> <li>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.</li> </ul>	entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, 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. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5 percent of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.  5.106.4.1.3 For additions or alterations that add 10 or more tenant-occupant vehicular parking spaces, provide secure bicycle parking for 5 percent of the tenant vehicular parking spaces being added, with a minimum of one bicycle parking facility.  5.106.4.1.4 For new shell buildings in phased projects provide secure bicycle parking for 5 percent of the anticipated tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.  5.106.4.1.5 Acceptable bicycle parking facility for Sections 5.106.4.1.2, 5.106.4.1.3, and 5.106.4.1.4 shall be convenient from the street and shall meet one of the following:		<ul> <li>5.106.5.3.5 [N] Future charging spaces qualify as designated parking as described in Section 5.106.5.2 Designated parking for clean air vehicles.</li> <li>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</li> <li>2. Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8);</li> <li>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</li> <li>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.</li> <li>Exceptions: [N]</li> </ul>		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
	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	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.  Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.  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:		<ol> <li>Luminaires that qualify as exceptions in Section 140.7 of the California Energy Code.</li> <li>Emergency lighting.</li> <li>Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6.</li> <li>Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8 Alternate materials, designs and methods of construction.</li> <li>Note: [N]</li> <li>See also California Building Code, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways.</li> <li>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.</li> <li>Refer to the California Building Code for requirements for additions and alterations.</li> </ol> TABLE 5.106.8 [N] MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT		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
	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	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.   5.106.5.2 DESIGNATED PARKING FOR CLEAN AIR VEHICLES. In new projects or additions or alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as follows:  TABLE 5.106.5.2 - PARKING  TOTAL NUMBER OF PARKING SPACES NUMBER OF REQUIRED SPACES  0-9  0  10-25  1		AND GLARE (BUG) RATINGS 1,2  ALLOWABLE RATING  LIGHTING ZONE LZ1  MAXIMUM ALLOWABLE BACKLIGHT RATING 3  Luminaire greater than 2 mounting heights (MH) from property line  Luminaire back hemisphere is 1-2 MH from property line  N/A  B1  B2  B3  B3  B3		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 puroses, and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards and the requirements of the Health Authority Having Jurisdiction.  RECYCLED WATER. Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur [Water Code Section 13050 (n)]. Simply put, recycled water is water treated to remove waste matter attaining a quality that is suitable to use the water again.  SUBMETER. A meter installed subordinate to a site meter. Usually used to measure water intended for one purpose, such as landscape irrigation. For the purposes of CALGreen, a dedicated meter may be considered a submeter.
	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.  LOW-EMITTING AND FUEL EFFICIENT VEHICLES. Eligible vehicles are limited to the following:  1. Zero emission vehicle (ZEV), including neighborhood electric vehicles (NEV), partial zero emission vehicle (PZEV), advanced technology PZEV (AT ZEV) or CNG fueled (original equipment manufacturer only) regulated under Health and Safety Code section 43800 and CCR, Title 13, Sections 1961 and 1962. 2. High-efficiency vehicles, regulated by U.S. EPA, bearing High-Occupancy Vehicle (HOV) car pool lane stickers issued by the Department of Motor Vehicles.  NEIGHBORHOOD ELECTRIC VEHICLE (NEV). A motor vehicle that meets the definition of "low-speed vehicle" either in Section 385.5 of the Vehicle Code or in 49CFR571.500 (as it existed on July 1, 2000), and is certified to zero-emission vehicle standards.  TENANT-OCCUPANTS. Building occupants who inhabit a building during its normal hours of operation as permanent	25-50 3 51-75 6 76-100 8 101-150 11 151-200 16 201 AND OVER AT LEAST 8% OF TOTAL  5.106.5.2.1 - Parking stall marking. Paint, in the paint used for stall striping, the following characters such that the lower edge of the last word aligns with the end of the stall striping and is visible beneath a parked vehicle: CLEAN AIR / VAN POOL / EV  Note: Vehicles bearing Clean Air Vehicle stickers from expired HOV lane programs may be		0.5-1 MH from property line  Luminaire back hemisphere is less than 0.5 MH from property line  MAXIMUM ALLOWABLE UPLIGHT RATING (U)  For area lighting 4 N/A U0 U0 U0 U0  For all other outdoor lighting, including decorative luminaires  MAXIMUM ALLOWABLE GLARE RATING 5 (G)  Luminaire greater than 2 MH		<ul> <li>WATER BUDGET. Is the estimated total landscape irrigation water use which shall not exceed the maximum applied water allowance calculated in accordance with the Department of Water Resources Model Efficient Landscape Ordinance (MWELO).</li> <li>SECTION 5.303 INDOOR WATER USE</li> <li>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.</li> <li>5.303.1.1 Buildings in excess of 50,000 square feet. Separate submeters shall be installed as follows:</li> <li>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.</li> <li>2. Where separate submeters for individual building tenants are unfeasible, for water supplied to the following subsystems: <ul> <li>a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s).</li> <li>b. Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s).</li> </ul> </li> </ul>
	VANPOOL VEHICLE. Eligible vehicles are limited to any motor vehicle, other than a motortruck or truck tractor, designed for carrying more than 10 but not more than 15 persons including the driver, which is maintained and used primarily for the nonprofit work-related transportation of adults for the purpose of ridesharing.  Note: Source: Vehicle Code, Division 1, Section 668  ZEV. Any vehicle certified to zero-emission standards.  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	considered eligible for designated parking spaces.  5.106.5.3 Electric vehicle (EV) charging. [N] Construction shall comply with Section 5.106.5.3.1 or Section 5.106.5.3.2 to facilitate future installation of electric vehicle supply equipment (EVSE). When EVSE(s) is/are installed, it shall be in accordance with the California Building Code, the California Electrical Code and as follows:  5.106.5.3.1 Single charging space requirements. [N] When only a single charging space is required per Table 5.106.5.3.3, a raceway is required to be installed at the time of construction and shall be installed in accordance with the California Electrical Code. Construction plans and specifications shall include, but are not limited to, the following:  1. The type and location of the EVSE. 2. A listed raceway capable of accommodating a 208/240 -volt dedicated branch circuit. 3. The raceway shall not be less than trade size 1".		from property line  Luminaire front hemisphere is 1-2 MH from property line  N/A  G0  G1  G2  Luminaire front hemisphere is 0.5-1 MH from property line  N/A  G0  G0  G1  G1  G2  Luminaire back hemisphere is less than 0.5 MH from property line  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		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.
	<ul> <li>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.</li> <li>1. Soil loss BMPs that should be considered for implementation as appropriate for each project include, but are not limited to, the following: <ul> <li>a. Scheduling construction activity during dry weather, when possible.</li> <li>b. Preservation of natural features, vegetation, soil, and buffers around surface waters.</li> <li>c. Drainage swales or lined ditches to control stormwater flow.</li> <li>d. Mulching or hydroseeding to stabilize disturbed soils.</li> <li>e. Erosion control to protect slopes.</li> <li>f. Protection of storm drain inlets (gravel bags or catch basin inserts).</li> <li>g. Perimeter sediment control (perimeter silt fence, fiber rolls).</li> <li>h. Sediment trap or sediment basin to retain sediment on site.</li> <li>i. Stabilized construction exits.</li> </ul> </li> </ul>	<ul> <li>4. The raceway shall originate at a service panel or a subpanel serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and listed suitable cabinet, box, enclosure or equivalent.</li> <li>5. The service panel or subpanel shall have sufficient capacity to accommodate a minimum 40-ampere dedicated branch circuit for the future installation of the EVSE.</li> <li>5.106.5.3.2 Multiple charging space requirements. [N] When multiple charging spaces are required per Table 5.106.5.3.3 raceway(s) is/are required to be installed at the time of construction and shall be installed in accordance with the California Electrical Code. Construction plans and specifications shall include, but are not limited to, the following:</li> <li>1. The type and location of the EVSE.</li> <li>2. The raceway(s) 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 charging equipment and into listed suitable cabinet(s), box(es), enclosure(s) or equivalent.</li> </ul>		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. If the nearest property line is less than or equal to two mounting heights from the back hemisphere of the luminaire distribution, the applicable reduced Backlight rating shall be met.  4. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet these reduced ratings. Decorative luminaires located in these areas shall meet <i>U</i> -value limits for "all other outdoor lighting".  5. If the nearest property line is less than or equal to two mounting heights from the front hemisphere of the luminaire distribution, the applicable reduced Glare rating shall be met.	-	<ul> <li>5.303.3.2.1 Wall-mounted Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush.</li> <li>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.</li> <li>5.303.3.3 Showerheads. [BSC-CG]</li> <li>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.</li> <li>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.</li> <li>Note: A hand-held shower shall be considered a showerhead.</li> </ul>
DISCI AIMER:	<ul> <li>j. Wind erosion control.</li> <li>k. Other soil loss BMPs acceptable to the enforcing agency.</li> <li>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: <ul> <li>a. Dewatering activities.</li> <li>b. Material handling and waste management.</li> <li>c. Building materials stockpile management.</li> <li>d. Management of washout areas (concrete, paints, stucco, etc.).</li> <li>e. Control of vehicle/equipment fueling to contractor's staging area.</li> <li>f. Vehicle and equipment cleaning performed off site.</li> <li>g. Spill prevention and control.</li> <li>h. Other housekeeping BMPs acceptable to the enforcing agency.</li> </ul> </li> </ul>	3. Plan design shall be based upon 40-ampere minimum branch circuits.  4. Electrical calculations shall substantiate the design of the electrical system, to include the rating of equipment and any on-site distribution transformers and have sufficient capacity to simultaneously charge all required EVs at its full rated amperage.  5. The service panel or subpanel(s) shall have sufficient capacity to accommodate the required number of dedicated branch circuit(s) for the future installation of the EVSE.  5.106.5.3.3 EV charging space calculations. [N] Table 5.106.5.3.3 shall be used to determine if single or multiple charging space requirements apply for the future installation of EVSE.  Exceptions: On a case-by-case basis where the local enforcing agency has determined EV charging and infrastructure is not feasible based upon one or more of the following conditions:		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.	END LISER ASSU	IMES ALL RESPONSIBILITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CODE

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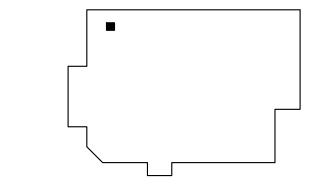
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PERMIT SET

KEY PLAN



NATHAN D. MENARD, ARCHITECT



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DATE DESCRIPTION

08/01/22 PERMIT ISSUE

1 09/30/22 PLAN CHECK COMMENT #1

1 09/30/22 PLAN CHECK COMMENT #1

99-5890-20 PM: ARTURO REINA DRAWN: MH

CAL GREEN

3203

AIA California

# 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 2 (January 2020, Includes August 2019 Supplement)

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

sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which

may enter the system.

SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT 5.410.2 COMMISSIONING. [N] New buildings 10,000 square feet and over. For new buildings 10,000 square feet **5.410.4.4 Reporting.** After completion of testing, adjusting and balancing, provide a final report of testing **5.407.1 WEATHER PROTECTION.** Provide a weather-resistant exterior wall and foundation envelope as required by and over, building commissioning shall be included in the design and construction processes of the building project to 5.303.3.4 Faucets and fountains. signed by the individual responsible for performing these services. California Building Code Section 1402.2 (Weather Protection), manufacturer's installation instructions or local 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 ordinance, whichever is more stringent. 5.303.3.4.1 Nonresidential Lavatory faucets. Lavatory faucets shall have a maximum flow rate of not **5.410.4.5 Operation and maintenance (O & M) manual.** Provide the building owner or representative with on projects of comparable size and complexity. For I-occupancies that are not regulated by OSHPD or for more than 0.5 gallons per minute at 60 psi. detailed operating and maintenance instructions and copies of guaranties/warranties for each system. O & M **5.407.2 MOISTURE CONTROL.** Employ moisture control measures by the following methods. l-occupancies and L-occupancies that are not regulated y the California Energy Code Section 100.0 Scope, all instructions shall be consistent with OSHA requirements in CCR, Title 8, Section 5142, and other related requirements in Sections 5.410.2 through 5.410.2.6 shall apply. **5.303.3.4.2 Kitchen faucets.** Kitchen faucets shall have a maximum flow rate of not more than 1.8 5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures. gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons **5.410.4.5.1 Inspections and reports.** Include a copy of all inspection verifications and reports required ventilation, air conditioning (HVAC) systems and controls, indoor lighting systems and controls, as well as water **5.407.2.2 Entries and openings**. Design exterior entries and/or openings subject to foot traffic or wind-driven by the enforcing agency. heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements rain to prevent water intrusion into buildings as follows: **5.303.3.4.3 Wash fountains.** Wash fountains shall have a maximum flow rate of not more than 1.8 **5.407.2.2.1 Exterior door protection.** Primary exterior entries shall be covered to prevent water Commissioning requirements shall include: gallons per minute/20 frim space (inches) at 60 psil. **DIVISION 5.5 ENVIRONMENTAL QUALITY** 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. Owner's or Owner representative's project requirements. 5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per cycle. **SECTION 5.501 GENERAL** 5.501.1 SCOPE. The provisions of this chapter shall outline means of reducing the quantity of air contaminants that 3. Commissioning measures shown in the construction documents. . An installed awning at least 4 feet in depth. **5.303.3.4.5 Metering faucets for wash fountains.** Metering faucets for wash fountains shall have a are odorous, irritating, and/or harmful to the comfort and well-being of a building's installers, occupants and neighbors. The door is protected by a roof overhang at least 4 feet in depth. 4. Commissioning plan. maximum flow rate of not more than 0.20 gallons per minute/20 [rim space (inches) at 60 psi]. The door is recessed at least 4 feet. Functional performance testing. 4. Other methods which provide equivalent protection. 6. Documentation and training. **Note:** Where complying faucets are unavailable, aerators or other means may be used to achieve **5.502.1 DEFINITIONS.** The following terms are defined in Chapter 2 (and are included here for reference) 7. Commissioning report. 5.407.2.2.2 Flashing. Install flashings integrated with a drainage plane. **ARTERIAL HIGHWAY.** A general term denoting a highway primarily for through traffic usually on a continuous route. Exceptions: 5.303.4 COMMERCIAL KITCHEN EQUIPMENT. A-WEIGHTED SOUND LEVEL (dBA). The sound pressure level in decibels as measured on a sound level meter SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND Unconditioned warehouses of any size. using the internationally standardized A-weighting filter or as computed from sound spectral data to which A-weighting 5.303.4.1 Food Waste Disposers. Disposers shall either modulate the use of water to no more than 1 gpm 2. Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within RECYCLING adjustments have been made. when the disposer is not in use (not actively grinding food waste/no-load) or shall automatically shut off after no unconditioned warehouses **5.408.1 CONSTRUCTION WASTE MANAGEMENT.** Recycle and/or salvage for reuse a minimum of 65% of the more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water. 3. Tenant improvements less than 10,000 square feet as described in Section 303.1.1. **1 BTU/HOUR.** British thermal units per hour, also referred to as Btu. The amount of heat required to raise one pound non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or Note: This code section does not affect local jurisdiction authority to prohibit or require disposer 4. Open parking garages of any size, or open parking garage areas, of any size, within a structure. of water one degree Fahrenheit per hour, a common measure of heat transfer rate. A ton of refrigeration is 12,000 Btu, meet a local construction and demolition waste management ordinance, whichever is more stringent. the amount of heat required to melt a ton (2,000 pounds) of ice at 32<sup>0</sup> Fahrenheit. Note: For the purposes of this section, unconditioned shall mean a building, area, or room which does not **5.303.5 AREAS OF ADDITION OR ALTERATION.** For those occupancies within the authority of the California **5.408.1.1 Construction waste management plan.** Where a local jurisdiction does not have a construction and provide heating and or air conditioning. COMMUNITY NOISE EQUIVALENT LEVEL (CNEL). A metric similar to the day-night average sound level (Ldn), demolition waste management ordinance, submit a construction waste management plan that: Building Standards Commission as specified in Section 103, the provisions of Section 5.303.3 and 5.303.4 shall apply except that a 5 decibel adjustment is added to the equivalent continuous sound exposure level for evening hours (7pm to new fixtures in additions or areas of alteration to the building. Informational Notes 1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient to 10pm) in addition to the 10 dB nighttime adjustment used in the Ldn. 5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures and fittings shall be installed usage, recycling, reuse on the project or salvage for future use or sale. 1. IAS AC 476 is an accreditation criteria for organizations providing training and/or certification of **COMPOSITE WOOD PRODUCTS.** Composite wood products include hardwood plywood, particleboard and medium 2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or in accordance with the California Plumbing Code, and shall meet the applicable standards referenced in Table 1701.1 commissioning personnel. AC 476 is available to the Authority Having Jurisdiction as a reference for density fiberboard. "Composite wood products" does not include hardboard. structural plywood. structural of the California Plumbing Code and in Chapter 6 of this code. qualifications of commissioning personnel. AC 476 des not certify individuals to conduct functional panels, structural composite lumber, oriented strand board, glued laminated timber, timber, prefabricated wood I-joists 3. Identifies diversion facilities where construction and demolition waste material collected will be taken. performance tests or to adjust and balance systems. or finger-jointed lumber, all as specified in California Code of Regulations (CCR), Title 17, Section 93120.1(a). 4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both. 2. Functional performance testing for heating, ventilation, air conditioning systems and lighting controls **SECTION 5.304 OUTDOOR WATER USE** Note: See CCR, Title 17, Section 93120.1. must be performed in compliance with the California Energy Code. 5.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. Nonresidential developments shall comply **5.408.1.2 Waste Management Company.** Utilize a waste management company that can provide verifiable with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water documentation that the percentage of construction and demolition waste material diverted from the landfill DAY-NIGHT AVERAGE SOUND LEVEL (Ldn). The A-weighted equivalent continuous sound exposure level for a Efficient Landscape Ordinance (MWELO), whichever is more stringent. 24-hour period with a 10 dB adjustment added to sound levels occurring during nighttime hours (10p.m. to 7 a.m.). 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 **DECIBEL (db).** A measure on a logarithmic scale of the magnitude of a particular quantity (such as sound pressure, Note: The owner or contractor shall make the determination if the construction and demolition waste material project begins. This documentation shall include the following: 1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code of Regulations, sound power, sound intensity) with respect to a reference quantity. will be diverted by a waste management company. 1. Environmental and sustainability goals. **ELECTRIC VEHICLE (EV).** An automotive-type vehicle for on-road use, such as passenger automobiles, buses, 2. MWELO and supporting documents, including a water budget calculator, are available at: Exceptions to Sections 5.408.1.1 and 5.408.1.2: 3. Indoor environmental quality requirements. trucks, vans, neighborhood electric vehicles, electric motorcycles, and the like, primarily powered by an electric motor 4. Project program, including facility functions and hours of operation, and need for after hours that draws current from a rechargeable storage battery, fuel cell, photovoltaic array, or other source of electric current. Excavated soil and land-clearing debris. 5.304.6 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. For public schools and community colleges, Plug-in hybrid electric vehicles (PHEV) are considered electric vehicles. For purposes of the California Electrical Code, 2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle 5. Equipment and systems expectations. off-road, self-propoelled electric vehicles, such as industrial trucks, hoists, lifts, transports, golf carts, airline ground landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of facilities capable of compliance with this item do not exist. 6. Building occupant and operation and maintenance (O&M) personnel expectations. Water Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter support equipment, tractors, boats, and the like, are not included. 3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities 2.7, Division 2, Title 23, California Code of Regulations, except that the evapotranspiration adjustment factor (ETAF) 5.410.2.2 Basis of Design (BOD). [N] A written explanation of how the design of the building systems meets ELECTRIC VEHICLE CHARGING STATION(S) (EVCSj). One or more spaces intended for charging electric vehicles. shall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35. the OPR shall be completed at the design phase of the building project. The Basis of Design document shall 5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE). The conductors, including the ungrounded, grounded, and not exceed two pounds per square foot of building area may be deemed to meet the 65% minimum requirement prescriptive measures contained in Appendix D of the MWELO. equipment grounding conductors and the electric vehicle connectors, attachment plugs, and all other fittings, devices, 1. Renewable energy systems. power outlets, or apparatus installed specifically for the purpose of transferring energy between the premises wiring 2. Landscape irrigation systems. **5.304.6.1 Newly constructed landscapes.** New construction projects with an aggregate landscape 5.408.1.4 Documentation. Documentation shall be provided to the enforcing agency which demonstrates Water reuse system. area equal to or greater than 500 square feet. compliance with Sections 5.408.1.1, through 5.408.1.3. The waste management plan shall be updated as ENERGY EQUIVALENT (NOISE) LEVEL (Leq). The level of a steady noise which would have the same energy as necessary and shall be accessible during construction for examination by the enforcing agency. **5.410.2.3 Commissioning plan. [N]** Prior to permit issuance a commissioning plan shall be completed to 5.304.6.2 Rehabilitated landscapes. Rehabilitated landscape projects with an aggregate the fluctuating noise level integrated over the time of period of interest. document how the project will be commissioned. The commissioning plan shall include the following: landscape area equal to or greater than 1,200 square feet. General project information. EXPRESSWAY. An arterial highway for through traffic which may have partial control of access, but which may or may Commissioning goals. not be divided or have grade separations at intersections. 1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" 3. Systems to be commissioned. Plans to test systems and components shall include: located at www.bsc.ca.gov/Home/CALGreen.aspx may be used to assist in documenting compliance a. An explanation of the original design intent. FREEWAY. A divided arterial highway with full control of access and with grade separations at intersections. with the waste management plan. b. Equipment and systems to be tested, including the extent of tests. DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE 2. Mixed construction and demolition debris processors can be located at the California Department of c. Functions to be tested. GLOBAL WARMING POTENTIAL (GWP). The radiative forcing impact of one mass-based unit of a given greenhouse Resources Recycling and Recovery (CalRecycle). **EFFICIENCY** d. Conditions under which the test shall be performed. gas relative to an equivalent unit of carbon dioxide over a given period of time. Carbon dioxide is the reference e. Measurable criteria for acceptable performance. **5.408.2 UNIVERSAL WASTE. [A]** Additions and alterations to a building or tenant space that meet the scoping compound with a GWP of one. 4. Commissioning team information. **SECTION 5.401 GENERAL** provisions in Section 301.3 for nonresidential additions and alterations, shall require verification that Universal Waste 5. Commissioning process activities, schedules and responsibilities. Plans for the completion of GLOBAL WARMING POTENTIAL VALUE (GWP VALUE). A 100-year GWP value published by the **5.401.1 SCOPE.** The provisions of this chapter shall outline means of achieving material conservation and resource items such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited commissioning shall be included. efficiency through protection of buildings from exterior moisture, construction waste diversion, employment of Intergovernmental Panel on Climate Change (IPCC) in either its Second Assessment Report (SAR) (IPCC, 1995); or Universal Waste materials are disposed of properly and are diverted from landfills. A list of prohibited Universal Waste its Fourth Assessment A-3 Report (AR4) (IPCC, 2007). The SAR GWP values are found in column "SAR (100-yr)" of techniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting. materials shall be included in the construction documents. **5.410.2.4 Functional performance testing. [N]** Functional performance tests shall demonstrate the correct Table 2.14.; the AR4 GWP values are found in column "100 yr" of Table 2.14. installation and operation of each component, system and system-to-system interface in accordance with the **Note**: Refer to the Universal Waste Rule link at: approved plans and specifications. Functional performance testing reports shall contain information addressing HIGH-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that is: (a) a chlorofluorocarbon, a http://www.dtsc.ca.gov/LawsRegsPolicies/Regs/upload/OEAR-A\_REGS\_UWR\_FinalText.pdf each of the building components tested, the testing methods utilized, and include any readings and adjustments hdrochlorofluorocarbon, a hydrofluorocarbon, a perfluorocarbon, or any compound or blend of compounds, with a **5.402.1 DEFINITIONS.** The following terms are defined in Chapter 2 (and are included here for reference) **5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS.** 100 percent of trees, stumps, rocks and associated GWP value equal to or greater than 150, or (B) any ozone depleting substance as defined in Title 40 of the Code of ADJUST. To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009). vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such **5.410.2.5 Documentation and training. [N]** A Systems Manual and Systems Operations Training are required, material may be stockpiled on site until the storage site is developed. including Occupational Safety and Health Act (OSHA) requirements in California Code of Regulations (CCR), LONG RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, BALANCE. To proportion flows within the distribution system, including sub-mains, branches and terminals, Title 8, Section 5142, and other related regulations. with a radius 1.5 times the pipe diameter. **Exception:** Reuse, either on or off-site, of vegetation or soil contaminated by disease or pest infestation. according to design quantities. **LOW-GWP REFRIGERANT.** A compound used as a heat transfer fluid or gas that: (A) has a GWP value less than **5.410.2.5.1 Systems manual. [N]** Documentation of the operational aspects of the building shall be 150, and (B) is not an ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, BUILDING COMMISSIONING. A systematic quality assurance process that spans the entire design and construction completed within the systems manual and delivered to the building owner or representative. The process, including verifying and documenting that building systems and components are planned, designed, installed, sec.82.3 (as amended March 10, 2009). 1. If contamination by disease or pest infestation is suspected, contact the County Agricultural systems manual shall include the following: tested, operated and maintained to meet the owner's project requirements. Commissioner and follow its direction for recycling or disposal of the material. 1. Site information, including facility description, history and current requirements. **MERV.** Filter minimum efficiency reporting value, based on ASHRAE 52.2–1999. 2. For a map of know pest and/or disease quarantine zones, consult with the California Department of 2. Site contact information. **ORGANIC WASTE.** Food waste, green waste, landscape and pruning wste, nonhazardous wood waste, and food Food and Agriculture. (www.cdfa.ca.gov) 3. Basic operations and maintenance, including general site operating procedures, basic MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a soiled paper waste that is mixed in with food waste. troubleshooting, recommended maintenance requirements, site events log. compound to the "Base REactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to Maior systems. **SECTION 5.410 BUILDING MAINTENANCE AND OPERATIONS** hundreths of a gram (g O<sup>3</sup>/g ROC). **TEST.** A procedure to determine quantitative performance of a system or equipment 5. Site equipment inventory and maintenance notes. **5.410.1 RECYCLING BY OCCUPANTS.** Provide readily accessible areas that serve the entire building and are PRODUCT-WEIGHTED MIR (PWMIR). The sum of all weighted-MIR for all ingredients in a product subject to this 6. A copy of verifications required by the enforcing agency or this code. identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) 7. Other resources and documentation, if applicable. paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling 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). ordinance, if more restrictive. 5.410.2.5.2 Systems operations training. [N] A program for training of the appropriate maintenance **Exception**: Rural jurisdictions that meet and apply for the exemption in Public Resources **PSIG.** Pounds per square inch, guage. staff for each equipment type and/or system shall be developed and documented in the commissioning Code 42649.82 (a)(2)(A) et seq. shall also be exempt from the organic waste portion of this section. report and shall include the following: REACTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to 1. System/equipment overview (what it is, what it does and with what other systems and/or **5.410.1.1 Additions.** All additions conducted within a 12-month period under single or multiple permits, ozone formation in the troposphere. equipment it interfaces). resulting in an increase of 30% or more in floor area, shall provide recycling areas on site. 2. Review and demonstration of servicing/preventive maintenance. **SCHRADER ACCESS VALVES.** Access fittings with a valve core installed. 3. Review of the information in the Systems Manual. Exception: Additions within a tenant space resulting in less than a 30% increase in the tenant space 4. Review of the record drawings on the system/equipment. 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. **5.410.1.2 Sample ordinance.** Space allocation for recycling areas shall comply with Chapter 18, Part 3, 5.410.2.6 Commissioning report. [N] A report of commissioning process activities undertaken through the **SUPERMARKET.** For the purposes of Section 5.508.2, a supermarket is any retail food facility with 8,000 square feet Division 30 of the *Public Resources Code*. Chapter 18 is known as the California Solid Waste Reuse and design and construction phases of the building project shall be completed and provided to the owner or Recycling Access Act of 1991 (Act). 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. Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the **5.410.4 TESTING AND ADJUSTING.** New buildings less than 10,000 square feet. Testing and adjusting of **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 systems shall be required for new buildings less than 10,000 square feet or new systems to serve an addition or hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a) alteration subject to Section 303.1. Note: Where specific regulations are cited from different agencies such as SCAQMD, ARB, etc., the VOC definition 5.410.4.2 (Reserved) included in that specific regulation is the one that prevails for the specific measure in question. Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including **SECTION 5.503 FIREPLACES** heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting system and controls, as well **5.503.1 FIREPLACES.** Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning woodstove or pellet stove, and refer to residential requirements in the California Energy Code, Title 24, Part 6, requirements and Sections 120.5, 120.6, 130.4, and 140.9(b)3 for additional testing requirements of specific 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 **5.410.4.2 Systems.** Develop a written plan of procedures for testing and adjusting systems. Systems to be Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits. included for testing and adjusting shall include at a minimum, as applicable to the project: 1. Renewable energy systems. SECTION 5.504 POLLUTANT CONTROL Landscape irrigation systems. 5.504.1 TEMPORARY VENTILATION. The permanent HVAC system shall only be used during construction if Water reuse systems. 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 **5.410.4.3 Procedures.** Perform testing and adjusting procedures in accordance with manufacturer's Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of specifications and applicable standards on each system. 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. **5.410.4.3.1 HVAC balancing.** In addition to testing and adjusting, before a new space-conditioning 5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of 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 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, Standards; the National Environmental Balancing Bureau Procedural Standards; Associated Air Balance

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Council National Standards or as approved by the enforcing agency.

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#781

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COSTCO
WHOLESALE
CORPORATION

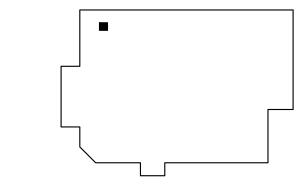
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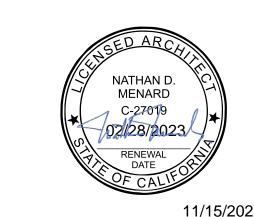


PERMIT SET

KEY PLAN



NATHAN D. MENARD, ARCHITECT



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DATE DESCRIPTION

08/01/22 PERMIT ISSUE

08/01/22 PERMIT ISSUE

1 09/30/22 PLAN CHECK COMMENT #1

99-5890-20 PM: ARTURO REINA DRAWN: MH

CAL GREEN

3204



the requirements of the following standards:

Y N/A RESPON. PARTY

# 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE

### NONRESIDENTIAL MANDATORY MEASURES, SHEET

NOT APPLICABLE
RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER,
OWNER, CONTRACTOR, INSPECTOR ETC.)

rohibitions on use of certain toxic compounds, of Califorr	e than one pound and do not consist andards and other requirements, in the first and other requirements, in a code of Regulations, Title 17, c	cluding
vith Section 94507.	<b>G</b> , , , ,	
TABLE 5 504 4.4 ADUESIVE VOC LIN	UT.	
TABLE 5.504.4.1 - ADHESIVE VOC LIM	<u>,                                      </u>	
Less Water and Less Exempt Compounds in Grams p	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	

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

5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet

1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall

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

STRUCTURAL WOOD MEMBER ADHESIVE

SUBSTRATE SPECIFIC APPLICATIONS

POROUS MATERIAL (EXCEPT WOOD)

TOP & TRIM ADHESIVE

METAL TO METAL

PLASTIC FOAMS

FIBERGLASS

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.

TABLE 5.504.4.3 - VOC CONTENT LIMITS FOR A COATINGS <sub>2,3</sub> GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT			
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  LOW SOLIDS COATINGS1	250		
MAGNESITE CEMENT COATINGS  MASTIC TEXTURE COATINGS	450 100		
METALLIC PIGMENTED COATINGS	500	IX	XI
MULTICOLOR COATINGS	250		
PRETREATMENT WASH PRIMERS	420		
PRIMERS, SEALERS, & UNDERCOATERS	100		
REACTIVE PENETRATING SEALERS	350		
RECYCLED COATINGS	250		
ROOF COATINGS	50	IX	X)
RUST PREVENTATIVE COATINGS	250		
SHELLACS:			
CLEAR	730	IX	X
OPAQUE	550		
SPECIALTY PRIMERS, SEALERS & UNDERCOATERS	100	IX	XI
STAINS STONE CONSOLIDANTS	250 450		
SWIMMING POOL COATINGS	340	IX	X
TRAFFIC MARKING COATINGS	100		
TUB & TILE REFINISH COATINGS	420		
WATERPROOFING MEMBRANES	250		
WOOD COATINGS	275		
WOOD PRESERVATIVES	350		
ZINC-RICH PRIMERS	340		
GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMI			
<ol> <li>THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS AT THE TABLE.</li> <li>VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2 FROM THE AIR RESOURCES BOARD.</li> </ol>	IE CALIFORNIA AIR RESOURCES BOARD, 2008. MORE INFORMATION IS AVAILABLE		
<ul> <li>5.504.4.3.2 Verification. Verification of compliance with this the enforcing agency. Documentation may include, but is not 1. Manufacturer's product specification</li> <li>2. Field verification of on-site product containers</li> <li>5.504.4.4 Carpet Systems. All carpet installed in the building interior.</li> </ul>	t limited to, the following:		
<ol> <li>Carpet and Rug Institute's Green Label Plus Program.</li> <li>Compliant with the VOC-emission limits and testing reques Department of Public Health Standard Method for the Techemical Emissions from Indoor Sources Using Environical 2010 (also known as CDPH Standard Method V1.1 or Sp. NSF/ANSI 140 at the Gold level or higher;</li> <li>Scientific Certifications Systems Sustainable Choice; or Compliant with the Collaborative for High Performance Sp. listed in the CHPS High Performance Product Database.</li> </ol>	irements specified in the California esting and Evaluation of Volatile Organic mental Chambers, Version 1.1, February pecification 01350).		
<ul><li>5.504.4.4.1 Carpet cushion. All carpet cushion install requirements of the Carpet and Rug Institute Green La</li><li>5.504.4.4.2 Carpet adhesive. All carpet adhesive sha</li></ul>	abel program.		
<b>5.504.4.5 Composite wood products.</b> Hardwood plywood, particle composite wood products used on the interior or exterior of the built formaldehyde as specified in ARB's Air Toxics Control Measure (Aseq.). Those materials not exempted under the ATCM must meet the Table 5.504.4.5.	Idings shall meet the requirements for TCM) for Composite Wood (17 CCR 93120 et		
<b>5.504.4.5.3 Documentation.</b> Verification of complian requested by the enforcing agency. Documentation sh		_	
	morado actodos one or the following.		_
<ol> <li>Product certifications and specifications.</li> <li>Chain of custody certifications.</li> </ol>	0		
<ol> <li>Product labeled and invoiced as meeting the CCR, Title 17, Section 93120, et seq.).</li> </ol>			
<ol> <li>Exterior grade products marked as meeting</li> </ol>	Anna Live & an Die O atamalanda af tha	1	- 1

ABLE 5.504.4.5 - FORMALDEHYDE LIMITS  ABLE 5.504.4.5 - FORMALDEHYDE LIMITS  ADJUST  RDWOOD PLYWOOD VENEER CORE  RDWOOD PLYWOOD COMPOSITE CORE  RTICLE BOARD  DIUM DENSITY FIBERBOARD  IN MEDIUM DENSITY FIBERBOARD  ALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORN TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDAN DITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SEC 20.12.  THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHEST SIGNATURE AND PROPERTY OF THE	CE WITH ASTM E 1333. FOR STIONS 93120 THROUGH  S (8 MM).  resilient flooring, installed  ore program; becified in the California g and Evaluation Chambers,	<ul> <li>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.</li> <li>5.508.2.1.1 Threaded pipe. Threaded connections are permitted at the compressor rack.</li> <li>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.</li> <li>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.</li> <li>5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure controls, valve pilot lines and oil.</li> <li>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.</li> <li>5.508.2.1.4 Elbows. Short radius elbows are only permitted where space limitations prohibit use of long radius elbows.</li> </ul>
RDWOOD PLYWOOD VENEER CORE  RDWOOD PLYWOOD COMPOSITE CORE  RTICLE BOARD  DIUM DENSITY FIBERBOARD  IN MEDIUM DENSITY FIBERBOARD  ALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORN TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDAN DITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SEC 20.12.  THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHEST.  5.504.4.6 Resilient flooring systems. For 80 percent of floor area receiving estilient flooring shall meet at least one of the following:  1. Certified under the Resilient Floor Covering Institute (RFCI) FloorSc 2. Compliant with the VOC-emission limits and testing requirements sp Department of Public Health's 2010 Standard Method for the Testin Version 1.1, February 2010;  3. Compliant with the Collaborative for High Performance Schools Californian Institute (RFCI) FloorSc 2. Compliant with the Collaborative for High Performance Schools Californian Institute (RFCI) FloorSc 2. Compliant with the Collaborative for High Performance Schools Californian Institute (RFCI) FloorSc 2. Compliant with the Collaborative for High Performance Schools Californian Institute (RFCI) FloorSc 2. Compliant with the Collaborative for High Performance Schools Californian Institute (RFCI) FloorSc 2. Compliant with the CHPS High Performance Product Database; or 4. Products certified under UL GREENGUARD Gold (formerly the Gre	0.05  0.09  0.11  0.13  IA AIR RESOURCES BOARD, CE WITH ASTM E 1333. FOR CTIONS 93120 THROUGH  6 (8 MM).  resilient flooring, installed  ore program; becified in the California g and Evaluation Chambers,	<ul> <li>5.508.2.1.1 Threaded pipe. Threaded connections are permitted at the compressor rack.</li> <li>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.</li> <li>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.</li> <li>5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure controls, valve pilot lines and oil.</li> <li>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.</li> <li>5.508.2.1.4 Elbows. Short radius elbows are only permitted where space limitations prohibit use of</li> </ul>
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<ol> <li>Compliant with the VOC-emission limits and testing requirements sp. Department of Public Health's 2010 Standard Method for the Testin Version 1.1, February 2010;</li> <li>Compliant with the Collaborative for High Performance Schools Cali and listed in the CHPS High Performance Product Database; or</li> <li>Products certified under UL GREENGUARD Gold (formerly the Gre</li> </ol>	pecified in the California g and Evaluation Chambers,	5.508.2.2 Valves. Valves Valves and fittings shall comply with the California Mechanical Code and as
<ul> <li>Version 1.1, February 2010;</li> <li>3. Compliant with the Collaborative for High Performance Schools Cali and listed in the CHPS High Performance Product Database; or</li> <li>4. Products certified under UL GREENGUARD Gold (formerly the Gre</li> </ul>		follows.  5.508.2.2.1 Pressure relief valves. For vessels containing high-GWP refrigerant, a rupture disc shall
Products certified under UL GREENGUARD Gold (formerly the Gre	fornia (2014 CA-CHPS) Criteria	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
	enguard Children's & Schools	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.
<b>94.4.6.1 Verification of compliance.</b> Documentation shall be provierials meet the pollutant emission limits.	ded verifying that resilient flooring	5.508.2.2.2 Access valves. Only Schrader access valves with a brass or steel body are permitted for use.
Filters. In mechanically ventilated buildings, provide regularly occupied a for outside and return air that provides at least a Minimum Effic	ciency Reporting Value (MERV) of	<b>5.508.2.2.2.1 Valve caps.</b> For systems with a refrigerant charge of 5 pounds or more, valve caps shall be brass or steel and not plastic.
√ 13 filters shall be installed prior to occupancy, and recommendatio value shall be included in the operation and maintenance manual.	ns tor maintenance with filters of	5.508.2.2.2 Seal caps. If designed for it, the cap shall have a neoprene O-ring in place.
ions: Existing mechanical equipment.		5.508.2.2.2.1 Chain tethers. Chain tethers to fit ovr the stem are required for valves designed to have seal caps.
<b>04.5.3.1 Labeling.</b> Installed filters shall be clearly labeled by the manufing.	acturer indicating the MERV	Exception: Valves with seal caps that are not removed from the valve during stem operation.
DNMENTAL TOBACCO SMOKE (ETS) CONTROL. Where outdoor g within 25 feet of building entries, outdoor air intakes and operable we dby other laws or regulations; or as enforced by ordinances, regula county, California Community College, campus of the California States	rindows and within the building as tions or policies of any city, se University, or campus of the	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.
ia, whichever are more stringent. When ordinances, regulations lding occupants of the prohibitions.	or policies are not in place, post	<b>5.508.2.3.1 Coil coating.</b> Consideration shall be given to the heat transfer efficiency of coil coating to maximize energy efficiency.
		<b>5.508.2.4 Refrigerant receivers.</b> Refrigerant receivers with capacities greater than 200 pounds shall be fitted
INDOOR MOISTURE CONTROL  FURE CONTROL. Buildings shall meet or exceed the provisections 1202 (Ventilation) and Chapter 14 (Exterior Walls). Foode.		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.
6 INDOOR AIR QUALITY		<b>5.508.2.5.1 Minimum pressure.</b> The system shall be charged with regulated dry nitrogen and appropriate tracer gas to bring system pressure up to 300 psig minimum.
R DELIVERY. For mechanically or naturally ventilated spaces on 120.1 (Requirements For Ventilation) of the <i>California Energ</i> or estringent, and Division 1, Chapter 4 of CCR, Title 8.		5.508.2.5.2 Leaks. Check the system for leaks, repair any leaks, and retest for pressure using the same
DE (CO <sub>2</sub> ) MONITORING. For buildings or additions equippend ventilation controls shall be specified and installed in ac	ed with demand control	<ul><li>5.508.2.5.3 Allowable pressure change. The system shall stand, unaltered, for 24 hours with no more</li></ul>
ors and ventilation controls shall be specified and installed in ac gy Code, Section 120(c)(4).	oordande with the requirements	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.
7 ENVIRONMENTAL COMFORT AL CONTROL. Employ building assemblies and components w	ith Sound Transmission Class	5.508.2.6.1 First vacuum. Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and
ned in accordance with ASTM E 90 and ASTM E 413, or Outdo ned in accordance with ASTM E 1332, using either the prescrip	or-Indoor Sound Transmission	hold for 30 minutes.
5.507.4.2.  sildings with few or no occupants or where occupants are not like mined by the enforcement authority, such as factories, stadium	•	<ul><li>5.508.2.6.2 Second vacuum. Pull a second system vacuum to a minimum of 500 microns and hold for 30 minutes.</li><li>5.508.2.6.3 Third vacuum. Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours</li></ul>
utility buildings.  SA-SS] For public schools and community colleges, the require		with a maximum drift of 100 microns over a 24-hour period.
pply only to new construction.  erior noise transmission, prescriptive method. Wall and roof		
ce making up the building or addition envelope or altered envelopes to a composite OITC rating of no less than 40, with exteriors in the following locations:	ppe shall meet a composite STC	CHAPTER 7 INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS
Within the 65 CNEL noise contour of an airport.		702 QUALIFICATIONS 702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper
<ol> <li>Ldn or CNEL for military airports shall be determined by the fa Land Use Zone (AICUZ) plan.</li> <li>Ldn or CNEL for other airports and heliports for which a land use Income Income</li></ol>		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:
shall be determined by the local general plan noise element.  Vithin the 65 CNEL or Lan noise contour of a freeway or expresswarked-guideway source as determined by the Noise Element of the Control of	y, railroad, industrial source or	<ol> <li>State certified apprenticeship programs.</li> <li>Public utility training programs.</li> <li>Training programs sponsored by trade, labor or statewide energy consulting or verification organizations.</li> </ol>
<b>4.1.1. Noise exposure where noise contours are not readily a</b> evel of 65 dB $L_{\rm eq}$ - 1-hr during any hour of operation shall have be	uilding, addition or alteration	<ul> <li>4. Programs sponsored by manufacturing organizations.</li> <li>5. Other programs acceptable to the enforcing agency.</li> </ul>
ior wall and roof-ceiling assemblies exposed to the noise source m est 45 (or OITC 35), with exterior windows of a minimum STC of 40	eeting a composite STC rating of	<b>702.2 SPECIAL INSPECTION [HCD].</b> 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
formance Method. For buildings located as defined in Section semblies exposed to the noise source making up the building or be constructed to provide an interior noise environment attribut hourly equivalent noise level (Leq-1Hr) of 50 dBA in occupied a	addition envelope or altered able to exterior sources that does	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:
Site Features. Exterior features such as sound walls or ea to the building, addition or alteration project to mitigate sour	arth berms may be utilized as	<ol> <li>Certification by a national or regional green building program or standard publisher.</li> <li>Certification by a statewide energy consulting or verification organization, such as HERS raters, building performance contractors, and home energy auditors.</li> <li>Successful completion of a third party apprentice training program in the appropriate trade.</li> </ol>
<b>607.4.2.2 Documentation of Compliance.</b> An acoustical analysis dund levels shall be prepared by personnel approved by the architect of	ocumenting complying interior or engineer of record.	4. Other programs acceptable to the enforcing agency.
or sound transmission. Wall and floor-ceiling assemblies se lic places shall have an STC of at least 40.	parating tenant spaces and tenant	Notes:  1. Special inspectors shall be independent entities with no financial interest in the materials or the
camples of assemblies and their various STC ratings may be found a introl: www.toolbase.org/PDF/CaseStudies/stc_icc_ratings.pdf.	the California Office of	project they are inspecting for compliance with this code.  2. HERS raters are special inspectors certified by the California Energy Commission (CEC) to rate homes in California according to the Home Energy Rating System (HERS).
OUTDOOR AIR QUALITY on and greenhouse gas reductions. Installations of HVAC, y with Sections 5.508.1.1 and 5.508.1.2.	refrigeration and fire suppression	[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
ofluorocarbons (CFCs). Install HVAC, refrigeration and fire s		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
<b>lons.</b> Install HVAC, refrigeration and fire suppression equipment set refrigerant leak reduction. New commercial refrigeration sys		<b>Note:</b> Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

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

**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

replacement of existing refrigeration systems in existing facilities.

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that include ammonia, carbon dioxide (CO<sub>2</sub>), and potentially other refrigerants.

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

ping. Piping compliant with the California Mechanical Code shall be installed to be ction and repairs. Piping runs using threaded pipe, copper tubing with an outside 1/4 inch, flared tubing connections and short radius elbows shall not be used in ded pipe. Threaded connections are permitted at the compressor rack. er pipe. Copper tubing with an OD less than 1/4 inch may be used in systems with a of 5 pounds or less. .1 Anchorage. One-fouth-inch OD tubing shall be securely clamped to a rigid base to tion levels below 8 mils. **tubing connections.** Double-flared tubing connections may be used for pressure Single-flared tubing connections may be used with a multiring seal coated with ealant suitable for use with refrigerants and tightened in accordance with manufacturer's ws. Short radius elbows are only permitted where space limitations prohibit use of S Valves and fittings shall comply with the California Mechanical Code and as ure relief valves. For vessels containing high-GWP refrigerant, a rupture disc shall een the outlet of the vessel and the inlet of the pressure relief valve. **.1 Pressure detection.** A pressure gauge, pressure transducer or other device shall in the space between the rupture disc and the relief valve inlet to indicate a disc ischarge of the relief valve. ss valves. Only Schrader access valves with a brass or steel body are 2.1 Valve caps. For systems with a refrigerant charge of 5 pounds or more, valve caps ass or steel and not plastic. **2.2 Seal caps.** If designed for it, the cap shall have a neoprene O-ring in place. **3.2.2.2.2.1 Chain tethers.** Chain tethers to fit ovr the stem are required for valves **Exception:** Valves with seal caps that are not removed from the valve during stem service cases. Refrigerated service cases holding food products containing vinegar and oating. Consideration shall be given to the heat transfer efficiency of coil coating to eceivers. Refrigerant receivers with capacities greater than 200 pounds shall be fitted es the level of refrigerant in the receiver. ing. The system shall be pressure tested during installation prior to evacuation and num pressure. The system shall be charged with regulated dry nitrogen and gas to bring system pressure up to 300 psig minimum. . Check the system for leaks, repair any leaks, and retest for pressure using the same able pressure change. The system shall stand, unaltered, for 24 hours with no more und pressure change from 300 psig, measured with the same gauge. he system shall be evacuated after pressure testing and prior to charging. vacuum. Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and **nd vacuum.** Pull a second system vacuum to a minimum of 500 microns and hold for 30 vacuum. Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours Irift of 100 microns over a 24-hour period. PECIAL INSPECTOR QUALIFICATIONS **AINING.** HVAC system installers shall be trained and certified in the proper ncluding ducts and equipment by a nationally or regionally recognized training or ed persons may perform HVAC installations when under the direct supervision and ed and certified to install HVAC systems or contractor licensed to install HVAC systems. training and certification programs include but are not limited to the following: nticeship programs. consored by trade, labor or statewide energy consulting or verification organizations. I by manufacturing organizations. eptable to the enforcing agency. **CTION [HCD].** When required by the enforcing agency, the owner or the owner's agent shall employ one or more special inspectors to provide inspection or tantiate compliance with this code. Special inspectors shall demonstrate competence ing agency for the particular type of inspection or task to be performed. In addition to ions acceptable to the enforcing agency, the following certifications or education may be ency when evaluating the qualifications of a special inspector: ional or regional green building program or standard publisher. tewide energy consulting or verification organization, such as HERS raters, building tors, and home energy auditors. on of a third party apprentice training program in the appropriate trade.

**703 VERIFICATIONS** 

section or identified applicable checklist.

703.1 DOCUMENTATION. Documentation used to show compliance with this code shall include but is not limited to,

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

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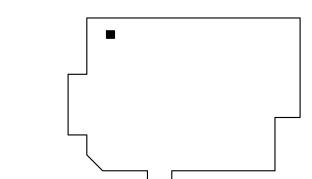
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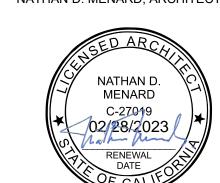
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NATHAN D. MENARD, ARCHITECT

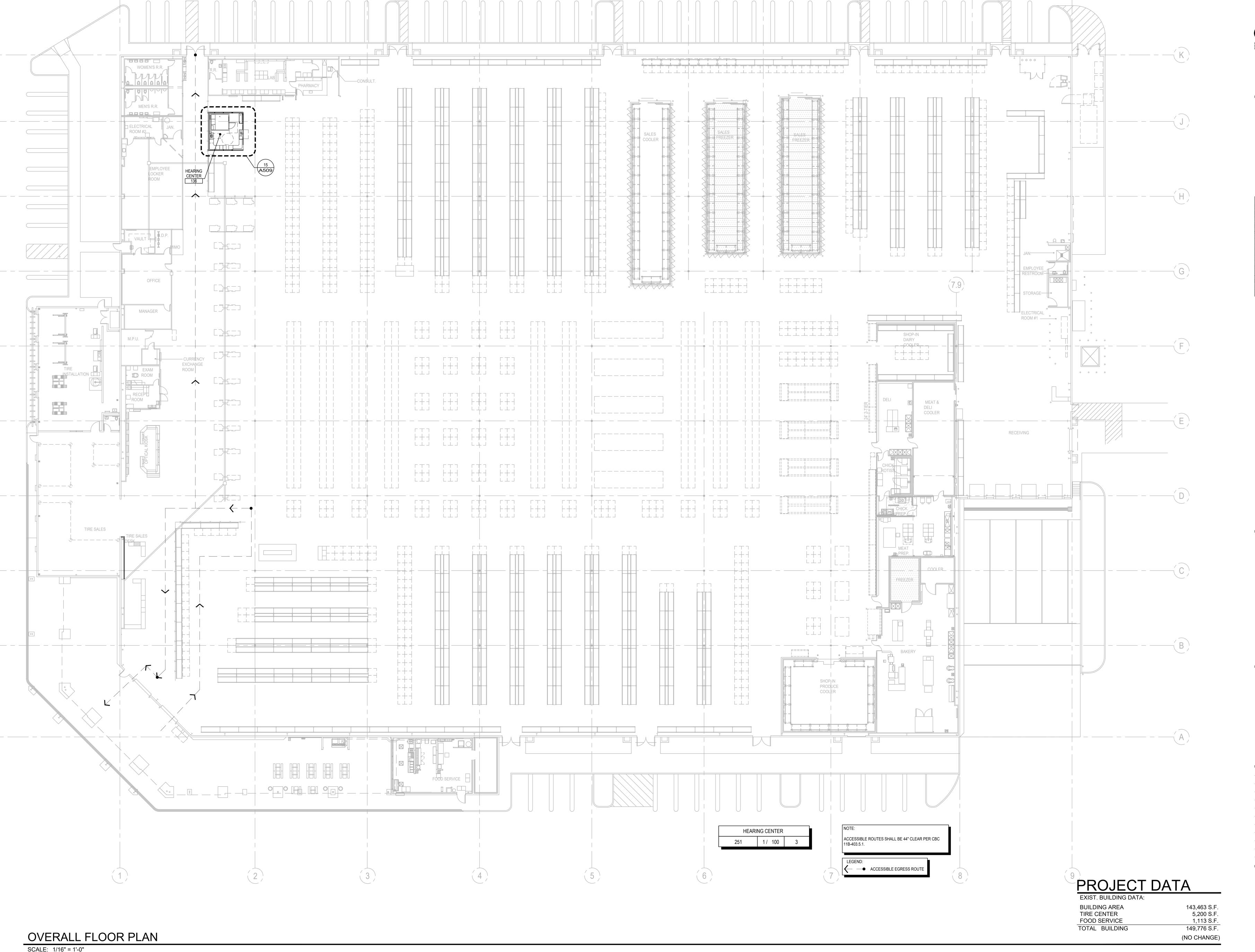


$\triangle$	DATE	DESCRIPTION
	08/01/22	PERMIT ISSUE
1	09/30/22	PLAN CHECK COMMENT #

PM: ARTURO REINA DRAWN: MH

**CAL GREEN** 

99-5890-20





COSTCO
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CORPORATION

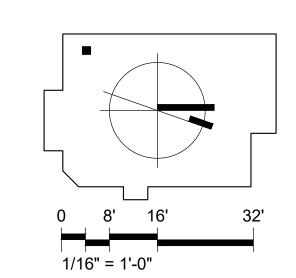
999 LAKE DRIVE
ISSAQUAH, WA 98027
T: 425.313.8100

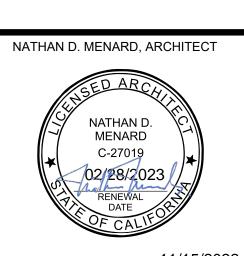
www.costco.com



PERMIT SET

**KEY PLAN** 

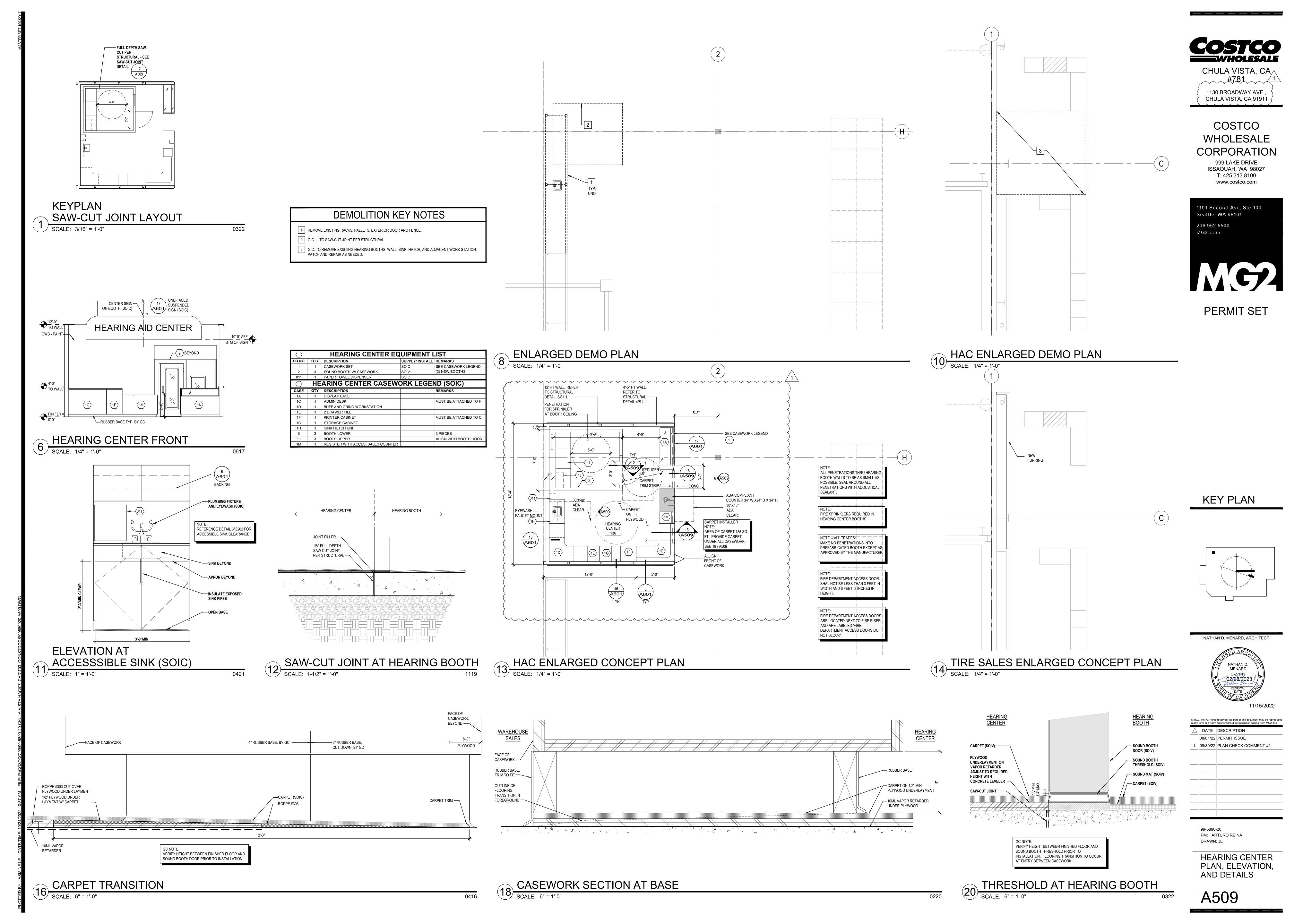


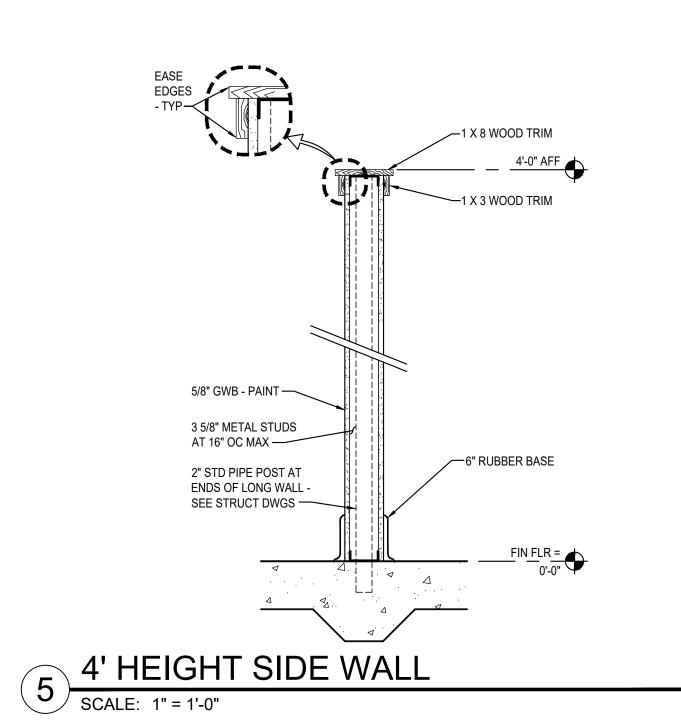


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$\triangle$	DATE	DESCRIPTION
	08/01/22	PERMIT ISSUE
1	09/30/22	PLAN CHECK COMMENT #1

99-5890-20 PM: ARTURO REINA DRAWN: JL

OVERALL CONCEPT FLOOR PLAN





ROOM FINISH SCHEDULE												
			FLOO	R	BASE	<b>■</b>	WA	ALL	С	EILING		REMARKS
LOCATION	NO	ROOM NAME	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	нт	(SEE NOTES BELOW)
HEARING	136	HEARING CENTER	С		RB-4		GWB	Р	OTS			2, 3

ROOM FINISH ABBREVIATION KEY

|--|

2.	GWB ON STUD WALLS - PAINTED
3.	PROVIDE BASE ON CASEWORK
14.	CHAIN LINK FENCE / GATE (SIO)

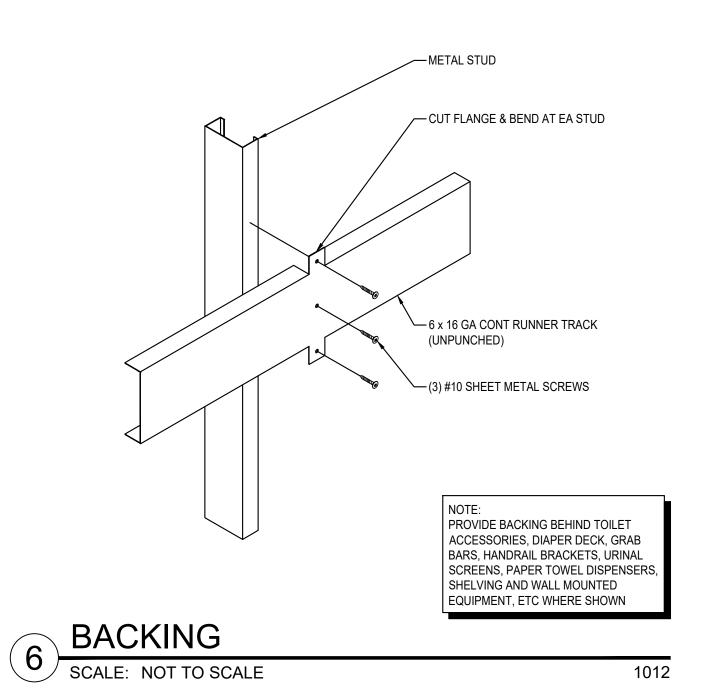
C CARPET TILE (SOIC)
GWB GYPSUM WALL BOARD

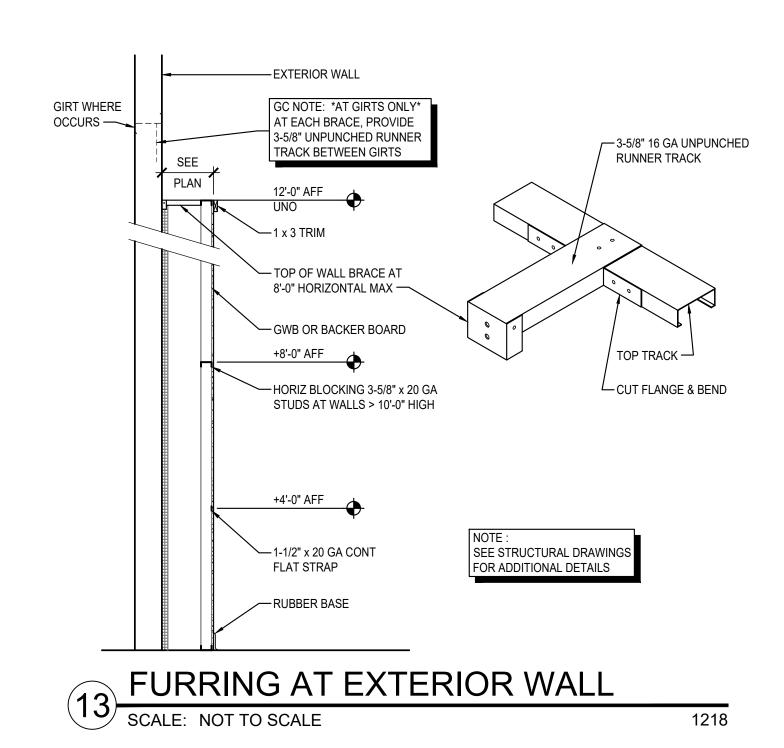
OTS OPEN TO STRUCTURE

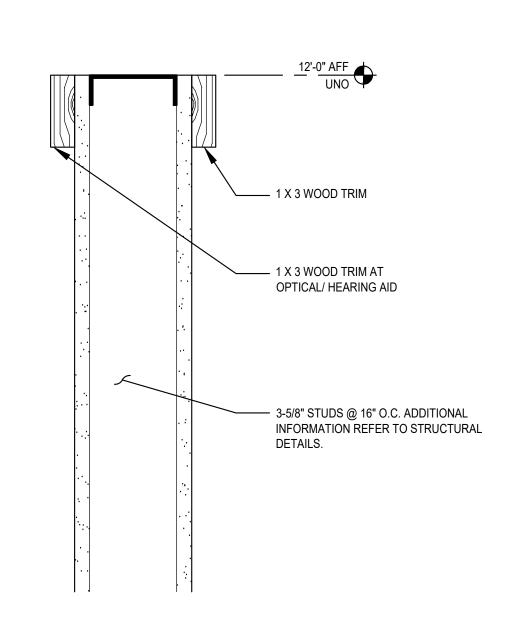
RB-4 RUBBER BASE - 4" HIGH

CONC CONCRETE

PAINT - EGGSHELL FINISH

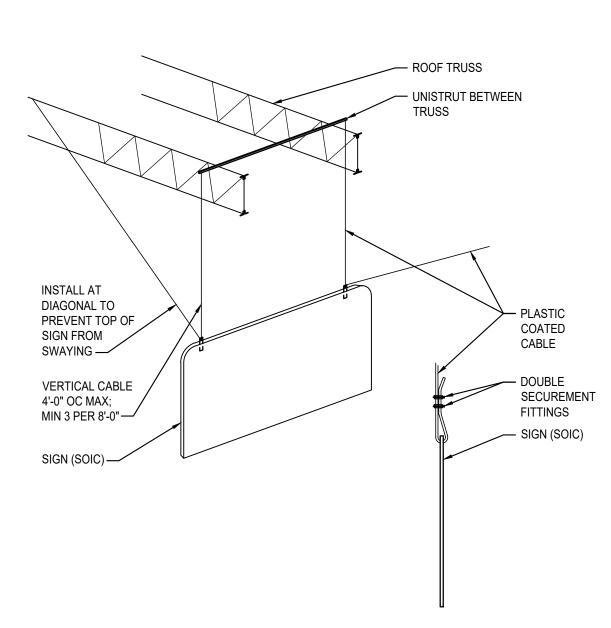


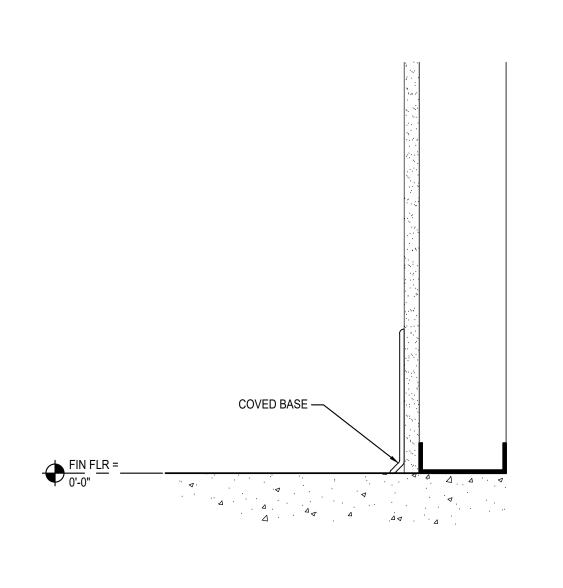




TOP OF WALLS

16) SCALE: 3" = 1'-0"





17	ONE-FACED SUSPENDED SIGN SCALE: NOT TO SCALE	
	SCALE: NOT TO SCALE	

TYPICAL RUBBER BASE

SCALE: 3" = 1'-0"

0212

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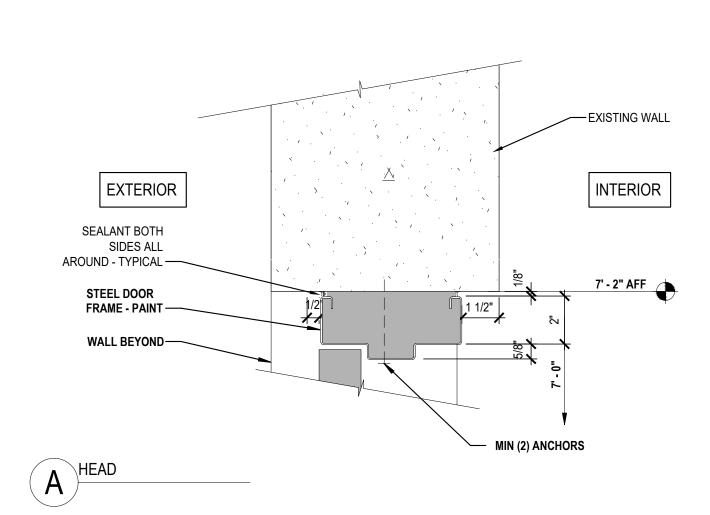
CHULA VISTA, CA

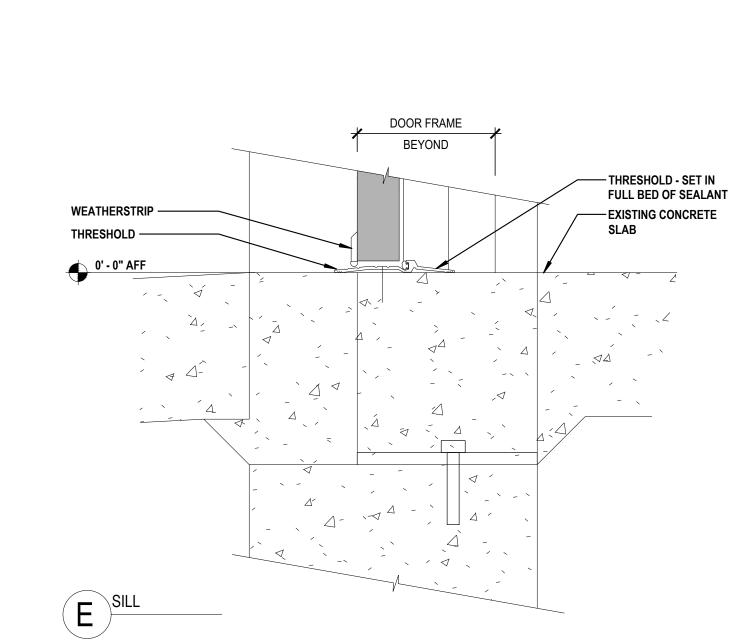
1130 BROADWAY AVE., CHULA VISTA, CA 91911

#781 1\ldots



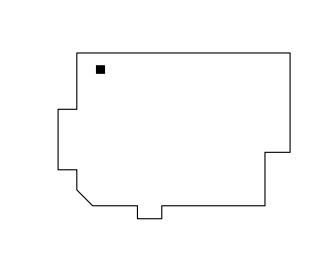
PERMIT SET



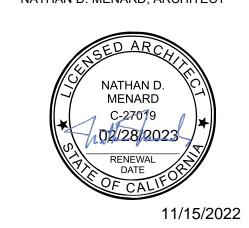








NATHAN D. MENARD, ARCHITECT



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DATE DESCRIPTION

08/01/22 PERMIT ISSUE

1 09/30/22 PLAN CHECK COMMENT #1

99-5890-20 PM: ARTURO REINA DRAWN: MH

ROOM FINISH SCHEDULE AND TYPICAL INTERIOR DETAILS

A601

REMODEL

**ABBREVIATIONS** 

ARCHITECT BALANCE

BOTTOM

**BETWEEN** 

BUILDING

BEARING

COLUMN

EACH

CONCRETE

EACH END

EACH FACE

ELEVATION

EACH SIDE

EACH WAY

FACE OF STUD

FACE OF WALL

FOOTING

HORIZONTAL

INSIDE FACE

KIP (1000 POUNDS)

METAL BLDG SUPPLIER

INCLUDING

LONG WAY

NEAR FACE

NOT TO SCALE

ON CENTER

OUTSIDE

PLATE

OUT TO OUT

REINFORCING

ROUGH OPENING

SHRINKAGE JOINT

SYMMETRICAL

TOP OF BEAM

TOP OF STEEL

TOP OF SLAB

TOP OF WALL

VERTICAL

VERIFY

WITH

WITH OUT

WELD HEAD STUD

TYPICAL AT ALL SIMILAR PLACES

UNLESS NOTED OTHERWISE

VERTICAL EACH FACE

VERTICAL FAR FACE

VERTICAL INSIDE FACE

VERTICAL NEAR FACE

VERTICAL OUTSIDE FACE

TOP OF FOOTING

REMAINDER

SECTIONS

SIMILAR

STEEL SHEARWALL

TOP

OUTSIDE FACE

GAGE

E.N.W. OR ENW ENGINEERS NORTHWEST

**EQUAL** 

**EXPANSION JOINT** 

**FACE OF CONCRETE** 

HOT DIP GALVANIZED

**GYPSUM WALL BOARD** 

INTERNATIONAL BUILDING CODE

INTERNATIONAL CODE COUNCIL

CAST IN PLACE

CENTERLINE

CONSTRUCTION JOINT

**CLOSURE STRIP JOINT** 

CONCRETE MASONRY UNIT

ARCH.

B. OR BOT

BTWN.

BLDG.

C.I.P.

C.J.

CLR.

CMU

COL.

CONC.

C.S.J.

E.S.

GALV.

G..B.

M.B.S.

N.T.S.

SYMM.

T..F.

T..S.

V.E.F.

VERT.

V.F.F.

VFY

V.I.F.

V.N.F.

V.N.F.

W.A.B.O.

H. OR HORIZ.

EL. OR ELEV.

THE FOLLOWING NOTES APPLY UNLESS NOTED OTHERWISE - ASTM'S NOTED ARE TO BE LATEST EDITION.

1. DESCRIPTION BUILDING NAME & SITE LOCATION - COSTCO WHOLESALE - CHULA VISTA, CA

2. DESIGN CODE AND STANDARDS

APPLICABLE CODE (EDITION/NAME) - 2019 CALIFORNIA BUILDING CODE (CBC) OTHER DOCUMENTS REFERENCED BY THESE NOTES SHALL BE THE SPECIFIC EDITION REFERENCED BY THE BUILDING CODE SPECIFIED ABOVE, OR IF NOT SPECIFIED, SHALL BE THE LATEST EDITION.

3. DESIGN LOADS a. SEISMIC

RISK CATEGORY II

 $S_C = 1.127$ ,  $S_1 = 0.380$ , IE = 1.0, SITE CLASS "D" AND  $S_{DS} = 0.788, S_{D1} = 0.487.$ 

SEISMIC DESIGN CATEGORY = "D" ALL CODE REQUIRED LOAD COMBINATIONS ARE TO BE USED IN THE b. LOAD COMBINATIONS BUILDING

DESIGN.

#### **OSHA STANDARDS**

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PROVISIONS OF THE CURRENT OSHA STANDARDS. THE GENERAL CONTRACTOR SHALL REVIEW THESE STRUCTURAL DRAWINGS FOR ANY NONCOMPLIANCE WITH OSHA STANDARDS, TAKING INTO ACCOUNT THE GENERAL CONTRACTOR'S MEANS AND METHODS. THE GENERAL CONTRACTOR SHALL INFORM ENW OF ANY NONCOMPLIANCE SO THE DRAWINGS MAY BE MODIFIED FOR COMPLIANCE PRIOR TO CONSTRUCTION. THE GENERAL CONTRACTOR IS TOTALLY RESPONSIBLE FOR MEANS AND METHODS AS WELL AS JOBSITE SAFETY ON THIS PROJECT.

#### STRUCTURAL STEEL AND MISCELLANEOUS STEEL

ALL WORK IN ACCORDANCE WITH "AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS". AND THE "CODE OF STANDARD PRACTICE". STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING STANDARDS:

WIDE FLANGE SHAPES ASTM A-992 (FY=50,000 PSI) OTHER SHAPES AND PLATES ASTM A-36 (FY=36,000 PSI) TUBE COLUMNS ASTM A-500, GRADE B (FY=46,000 PSI) WELDHEAD STUDS ASTM A-108 (FY=55,000 PSI) ALL-THREAD ASTM F1554, GRADE 36 (FY=36,000 PSI) MACHINE BOLTS ASTM A-307 HIGH STRENGTH BOLTS ASTM A-325N (U.N.O.)

ALL STRUCTURAL STEEL BOLTED CONNECTIONS AT MECHANICAL PLATFORMS ARE ASTM A-325 TYPE N CONNECTIONS - BEARING TYPE WITH THREADS INCLUDED IN SHEAR PLANE. CONNECTIONS ARE NON-SLIP CRITICAL AND BOLTS NEED TO BE TIGHTENED "SNUG TIGHT" ONLY EXCEPT AT FRAMES. PROVIDE WASHERS AT OUTER PLYS WITH SLOTTED HOLES. INSTALL A-325 BOLTS IN ACCORDANCE WITH "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS" (12/31/09). PROVIDE MINIMUM EMBEDMENT FOR ANCHOR BOLTS AS NOTED ON DRAWINGS. ALL WELDING TO CONFORM WITH AWS D1.1 "CODE FOR WELDING IN BUILDING CONSTRUCTION". WELDS NOT SPECIFIED SHALL BE 1/4", CONTINUOUS FILLET MINIMUM. ALL WELDS BY CERTIFIED WELDERS. USE FRESH 70XX ELECTRODES FOR MANUAL SHIELDED METAL-ARC WELDING OR EQUAL ELECTRODES. WELDHEAD STUDS (WHS) ARE TO BE MACHINE WELDED WITH PROPER EQUIPMENT. SEE SPECIFICATIONS FOR ITEMS TO BE GALVANIZED.

#### CONCRETE AND MASONRY ANCHORS (BOLTS, THREADED RODS AND REBAR DOWELS)

DRILLED IN EXPANSION ANCHORS:

CONCRETE HILTI KWIK BOLT TZ PER ESR-1917 HILTI KWIK BOLT 3 PER ESR-1385

ADHESIVE ANCHORS: HILTI HIT-RE 500 V3 PER ESR-3814 AND HILTI HIT-HY 200-R PER ESR-3187 CONCRETE

HILTI HIT-HY 270 PER ESR-4143 UNREINFORCED MASONRY HILTI HIT-HY 270 PER ESR-4144 CAST IN PLACE ANCHORS:

CONCRETE EMBED PER PLANS AND SECTIONS EMBED PER PLANS AND SECTIONS **SCREW ANCHORS:** 

HILTI KWIK HUS-EZ (KH-EZ) AND HUS-EZ I (KH-EZ I) PER ESR-3027 CONCRETE HILTI KWIK HUS-EZ

(KH-EZ) PER ESR-3056

ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT TIME OF INSTALLATION PER ACI 318 - 14 SECTION 17.1.2 INSTALLATION OF ADHESIVE ANCHORS HORIZONTALLY OR UPWARDLY INCLINED TO SUPPORT SUSTAINED TENSION LOADS SHALL BE PERFORMED BY CERTIFIED PERSONNEL IN CONFORMANCE TO ACI 318 - 14 SECTION 17.8.2.2.

FOLLOW INSTALLATION PROCEDURES OF ESR REPORT AND MANUFACTURER'S INSTRUCTIONS. PROVIDE SPECIAL INSPECTION AS NOTED AND/OR REQUIRED BY ESR REPORT. SUBSTITUTIONS ARE NOT ALLOWED UNLESS WRITTEN APPROVAL BY ENW IS RECEIVED. SUBSTITUTIONS MUST BE SUBMITTED TO ENW FOR REVIEW PRIOR TO CONSTRUCTION. PROVIDE STAINLESS STEEL OR GALVANIZED ANCHORS FOR EXTERIOR APPLICATIONS AS REQUIRED. ANCHORS RATED FOR DRY INTERIOR CONDITIONS MAY NOT BE USED FOR EXTERIOR APPLICATIONS PER ESR REPORT.

### LIGHT GAGE STEEL FRAMING AND DECKING (SEE DRAWINGS)

### SPECIAL INSPECTIONS

INSPECTIONS ARE TO BE PER THE CODE INDICATED ABOVE AND ARE TO BE BY AN INDEPENDENT TESTING LAB APPROVED PRIOR TO STARTING CONSTRUCTION BY THE BUILDING DEPT. AND THE ARCHITECT. INSPECT ALL SHOP WELDING UNLESS THE SHOP IS CERTIFIED BY THE LOCAL BUILDING DEPARTMENT.

CONC. EXPANSION & MASONRY ANCHORS & DRILLED-IN DOWELS:

STEEL:

COPY OF ICC REPORT FOR ANCHORS OR ADHESIVE SYSTEM USED MUST BE AVAILABLE AT JOB SITE. VERIFY ANCHORS OR ADHESIVE SYSTEM INSTALLATION IN ACCORDANCE WITH REPORT. IN ACCORDANCE WITH TABLE ON S0.3 AND REFERENCED

STANDARDS.

CONTINUOUS INSPECTION: SLIP-CRITICAL (SC) HIGH STRENGTH BOLTED CONNECTIONS. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS. NON-DESTRUCTIVE TESTING IS REQUIRED FOR ALL COMPLETE PENETRATION WELDS - SHOP AND FIELD. MULTIPASS FILLET WELDS.

SINGLE-PASS FILLET WELDS GREATER THAN 5/16-INCH. WELDING OF REINFORCING IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS AND SHEAR REINFORCEMENT.

PERIODIC INSPECTION: VERIFY HIGH-STRENGTH BOLT IDENTIFICATION MARKINGS CONFORM TO SPECIFIED ASTM STANDARDS. REVIEW OF MANUFACTURER'S CERTIFICATE OF COMPLIANCE. INSTALLATION OF BEARING-TYPE BOLTED CONNECTIONS SINGLE-PASS FILLET WELDS 5/16-INCH OR LESS. FLOOR AND ROOF DECK WELDS. COLD-FORMED STEEL FRAME WELDING.

WELDING OF STAIRS AND RAILINGS. WELDING OF STUDS. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A-706. WELDING OF REINFORCING STEEL OTHER THAN THAT REQUIRING CONTINUOUS INSPECTION.

STEEL JOINTS AND CONNECTIONS FOR COMPLIANCE WITH PLANS.

LIGHT GAGE STEEL FRAMING:

VERIFY SIZE, GAGE AND SPACING. INSPECT WELDING. VERIFY CERTIFICATION OF WELDERS.

SPECIAL CONDITIONS CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND SHALL PROVIDE ADEQUATE SHORING AND BRACING OF ALL STRUCTURAL MEMBERS DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ALL FIELD CHANGES PRIOR TO INSTALLATION.

### NOTE TO MECHANICAL AND ELECTRICAL TRADES

CONTRACTOR SHALL SUBMIT PLANS SHOWING LOCATION, LOAD AND ANCHORAGE OF ALL HANGERS SUPPORTING ANY MECHANICAL, ELECTRICAL, PLUMBING OR SPRINKLER LOADS IN EXCESS OF 50 POUNDS. ANY ROOF MOUNTED EQUIPMENT SHALL BE INCLUDED IN THESE PLANS AND SHALL SHOW LOADS AND LOCATIONS. THESE SHALL BE SUBMITTED TO ENGINEERS NORTHWEST FOR REVIEW PRIOR TO INSTALLATION OF ANY OF THIS EQUIPMENT. SEE DETAILS ON DRAWING S5.1 FOR SUPPORTING LOADS FROM ROOF JOISTS. ALL DETAILS OF CONNECTIONS TO THE STRUCTURE FOR EQUIPMENT SHALL BE BY THE SUPPLIER OF THAT EQUIPMENT. THE BUILDING DEPARTMENT REQUIRES A SUBMITTAL FOR PLAN CHECK REGARDING THE DESIGN OF THESE DETAILS, IT IS THE RESPONSIBILITY OF THE EQUIPMENT SUPPLIER TO PROVIDE THIS SUBMITTAL.

LIGHT GAGE & MISC. PARTS SCHEDULE APPROVED SUPPLIERS & THEIR MINIMUM PROPERTIES CALLOUT FOR THESE ITEMS ITEM CALLOUT l(in.<sup>4</sup>)  $S(in^3) \mid A(in^2)$ SSMA I.C.C. ESR-3064P WALL TOP TRACK \*\* (U.N.O.) 0.72 0.38 | 0.35 | 3 5/8" x 1 1/4" x 16GA. 0.37 362T125 - 54 (50ksi) 0.72 WALL BOT. TRACK \*\* (U.N.O.) 0.38 0.35 0.37 362T125 - 54 (50ksi) 3 5/8"x 1 1/4" x 16GA. 0.55 3 5/8" x 1 5/8" x 20GA. 0.30 0.26 WALL STUDS 0.61 362S162 **-** 33 I 1/2" x 20GA. BRACING 1/2" WIDE x 20GA. FLAT STRAP ALT. STRAPS (HORIZ. IN WALLS) 1/2" x 16GA. C.R.C. GAGE TO MATCH SUPPORTED 2" x 2" ANGLE SCREWS #10-16 x 1" HWH #3 OR PPH #3 HILTI (MTL. TO MTL.) SCREWS (G.W.B. TO MTL.) #10-24 x 1 1/2" PWH #3 WALL & BOTTOM TRACK #DS37P10 (0.177"Ø X 1 1/2" LOW I.C.C. ESR-1663 HILTI ANCHORS **VELOCITY DRIVE PINS** 

NOTES:

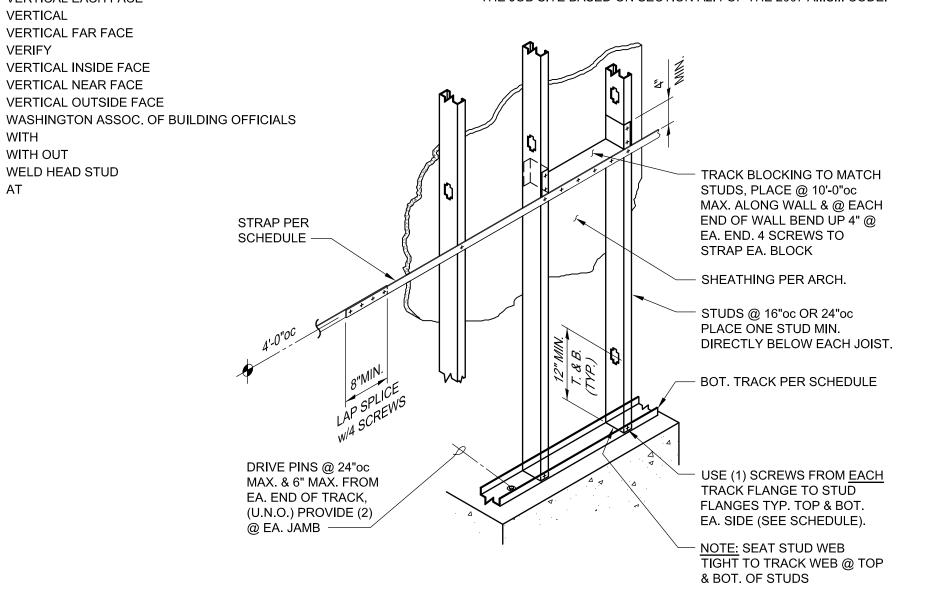
1.) \* SUBSTITUTION OF OTHER SUPPLIERS FOR THESE ITEMS NOT ALLOWED.

\*\* THESE JOIST & TRACK MEMBERS TO BE UNPUNCHED. 2.) SINGLE FRAMING MEMBER SHOWN THUS: [ 3.) DOUBLE FRAMING MEMBER SHOWN THUS: (U.N.O.)

THICKNESS OF STEEL COMPONENTS GAGE DESIGN THICKNESS MINIMUM THICKNESS 2 .0283 .0269 .0346 .0329 .0451 .0428 .0566 .0538 .0713 .0677 .1017 .0966 .1240 .1265

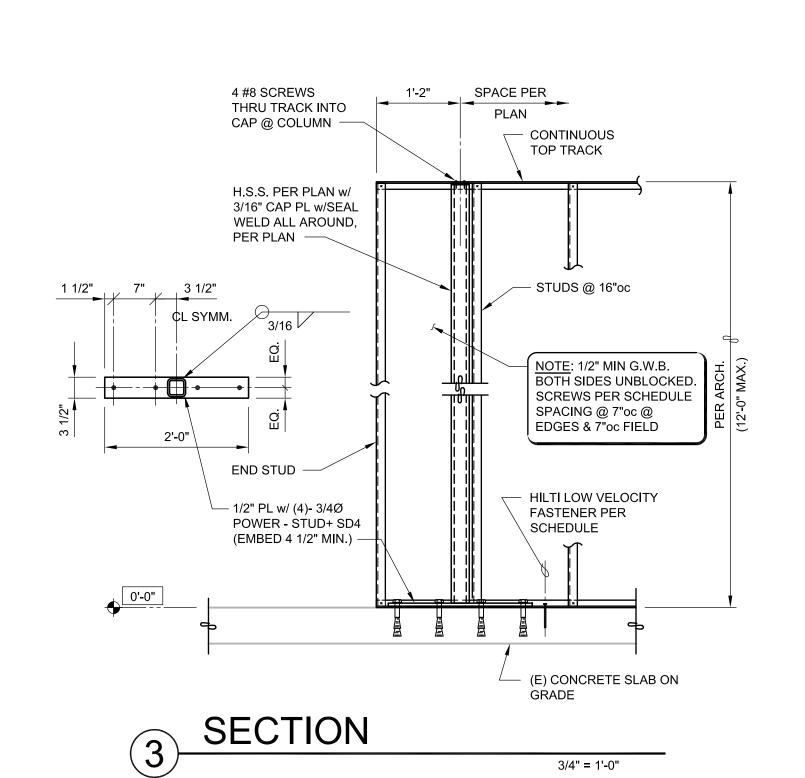
1.) UNCOATED STEEL THICKNESS. THICKNESS IS FOR CARBON SHEET STEEL.

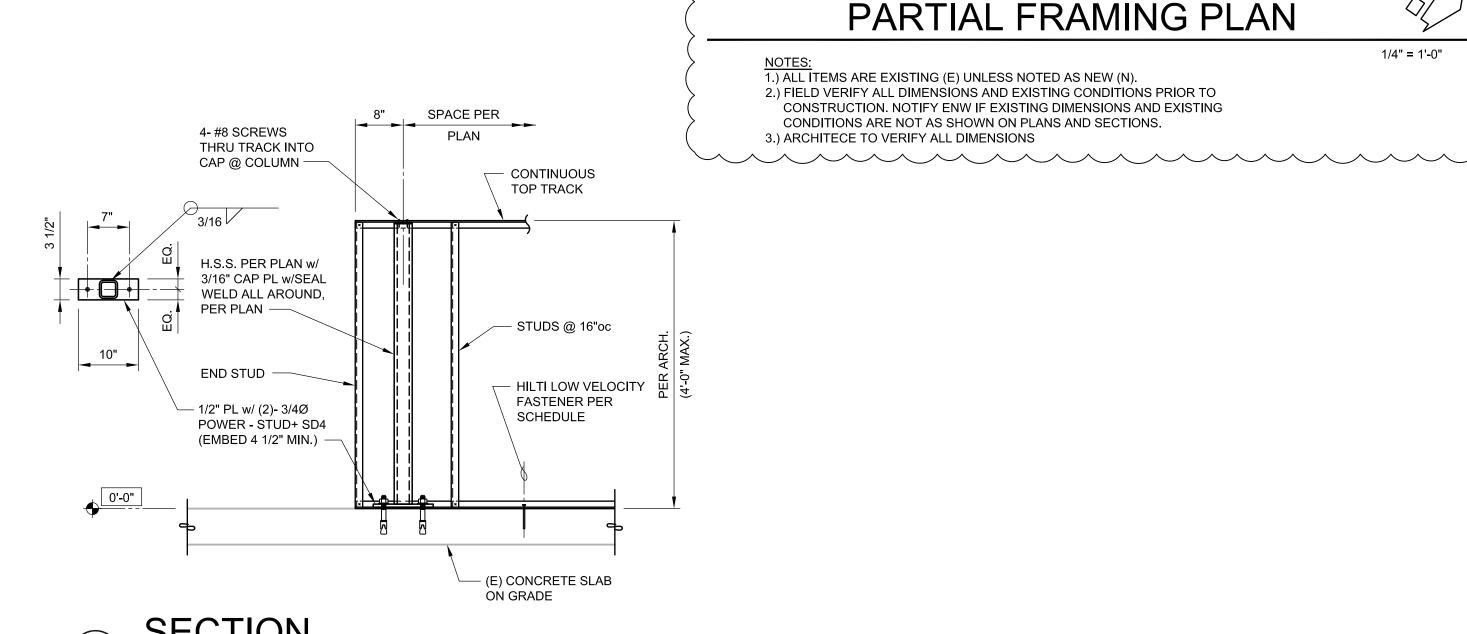
2.) MINIMUM THICKNESS REPRESENTS 95% OF DESIGN THICKNESS AND IS THE MINIMUM ACCEPTABLE THICKNESS DELIVERED TO THE JOB SITE BASED ON SECTION A2.4 OF THE 2007 A.I.S.I. CODE



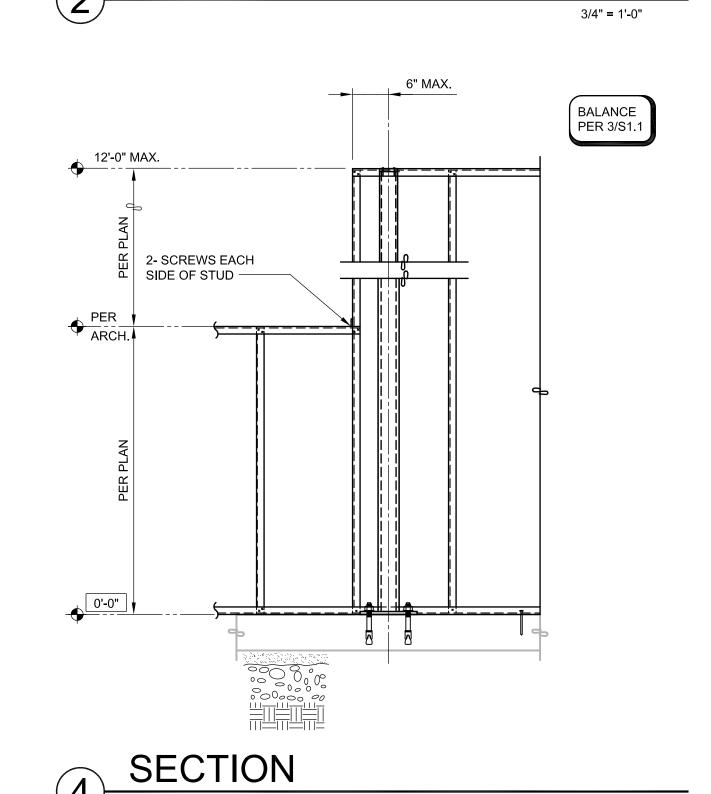
TYPICAL WALL, BLOCKING & STRAP DETAIL



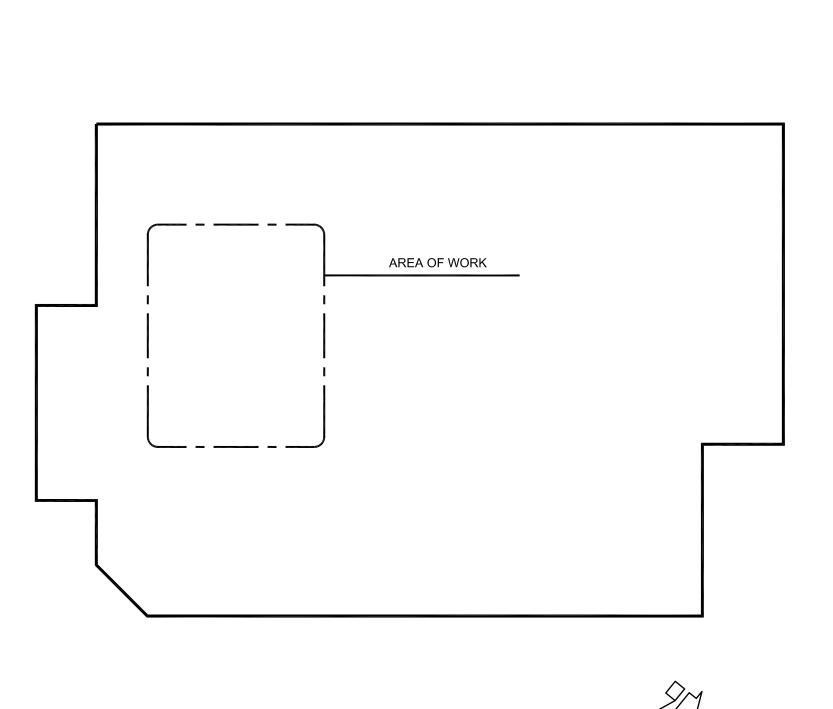




(3)



3/4" = 1'-0"



**KEY PLAN** 

N.T.S.

T.O.W.12'-0"

WALL FRAMING PER 1/S1.1

1/4" = 1'-0"

PARTIAL FRAMING PLAN

NOTES:
1.) ALL ITEMS ARE EXISTING (E) UNLESS NOTED AS NEW (N).

3.) ARCHITECE TO VERIFY ALL DIMENSIONS

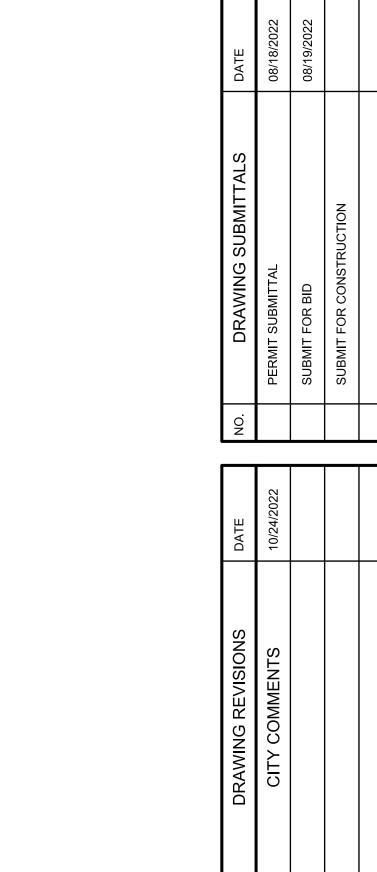
2.) FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO

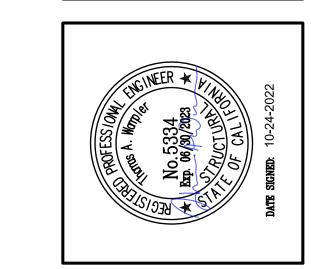
CONDITIONS ARE NOT AS SHOWN ON PLANS AND SECTIONS.

CONSTRUCTION. NOTIFY ENW IF EXISTING DIMENSIONS AND EXISTING

4'-0"

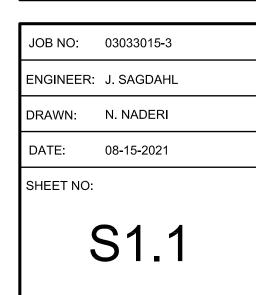
T O W 4'-5"







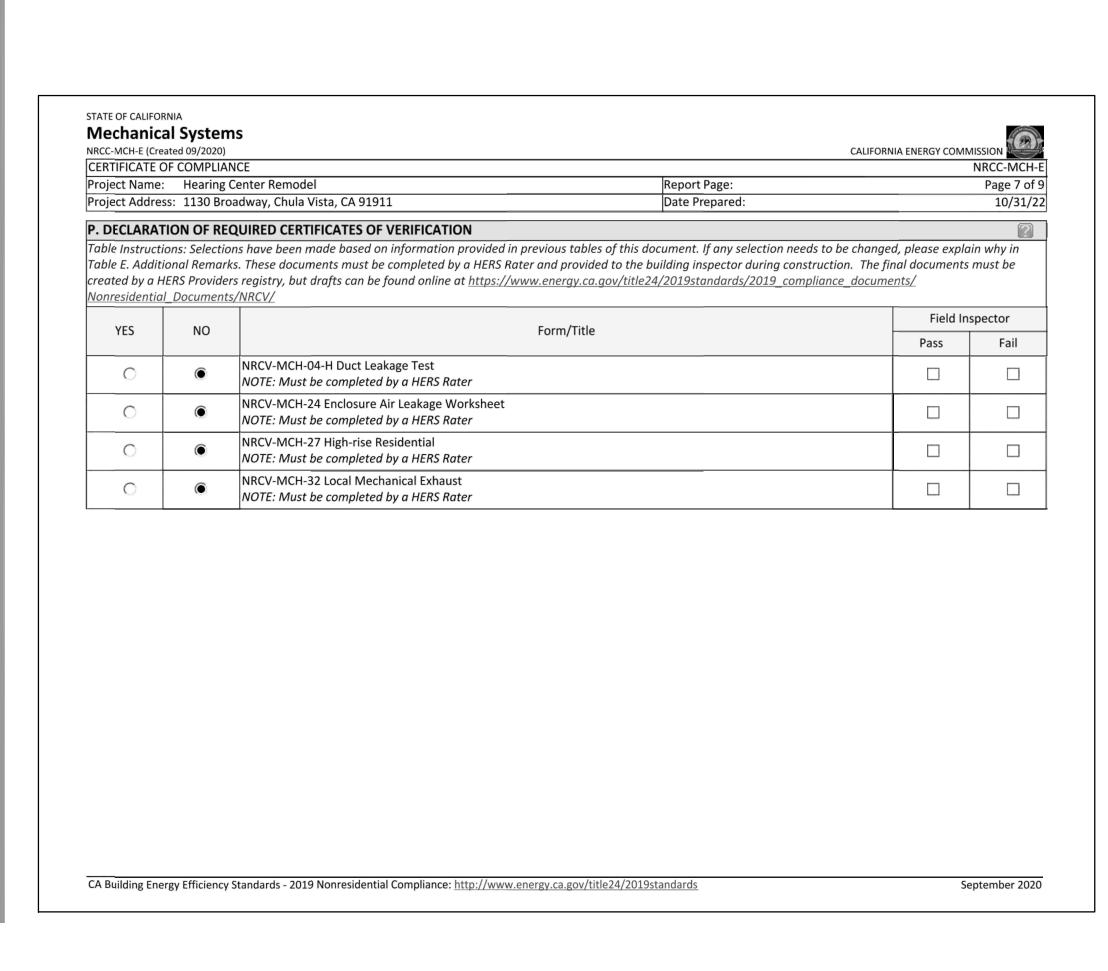




CERTIFICATE OF COMPLIANCE Project Name: Hearing Center Remodel Report Page: Project Address: 1130 Broadway, Chula Vista, CA 91911 Date Prepared:  D. EXCEPTIONAL CONDITIONS This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.  Please review Table I for compliance: all fields which are not grey must be completed; any selections which include a "*" must also include a comment explaining compliance is achieved. Selections made in Table O have been changed by the permit applicant. See Table E. Additional Remarks for permit applicant's explanation.  E. ADDITIONAL REMARKS This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.	Page 2 of 10/31/3
Project Address: 1130 Broadway, Chula Vista, CA 91911  Date Prepared:  D. EXCEPTIONAL CONDITIONS  This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.  Please review Table I for compliance: all fields which are not grey must be completed; any selections which include a "*" must also include a comment explaining compliance is achieved.  Selections made in Table O have been changed by the permit applicant. See Table E. Additional Remarks for permit applicant's explanation.  E. ADDITIONAL REMARKS	10/31/
D. EXCEPTIONAL CONDITIONS  This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.  Please review Table I for compliance: all fields which are not grey must be completed; any selections which include a "*" must also include a comment explaining compliance is achieved.  Selections made in Table O have been changed by the permit applicant. See Table E. Additional Remarks for permit applicant's explanation.  E. ADDITIONAL REMARKS	~
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compliance is achieved. Selections made in Table O have been changed by the permit applicant. See Table E. Additional Remarks for permit applicant's explanation.  E. ADDITIONAL REMARKS	ow
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.	
F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)	
Table Instructions: Complete the following equipment schedules to show compliance with mandatory requirements found in §110.1 and §110.2(a) and prescriptive $\frac{1}{2}$	equirement
found in §140.4(a), §140.4(b) and §140.4(k) or §141.0(b)2 for alterations.	
Dry System Equipment Sizing (includes air conditioners, condensers, heat pumps, VRF, furnaces and unit heaters)	1 41
01 02 03 04 05 06 07 08 09 1	11
Equipment Sizing per Mechanical Schedule (kBtu/h) §1	
Smallest Size	alculations <sup>3</sup> Total
Name or Equipment Category per Item Tag   Equipment Type per   Available   Per   Supp.   Sensible   Rated   Per Design   Category   Per Design   Category   Category   Sensible   Per Design   Category   Per Design   Per	Sensible Cooling
(kBtu/h) (kBtu/h) Output (kBtu/h) (kBtu/h) Loc (kBtu/h)	

NRCC-MCH-E (C	ical Syste Created 09/2020	0)	CALIFORN	NIA ENERGY COMI	MISSION
	E OF COMPLI				NRCC-MCH
		g Center Remodel	Report Page:		Page 4 o
Project Add	ress: 1130 B	roadway, Chula Vista, CA 91911	Date Prepared:	_	10/31/
J. VENTILA	TION AND	NDOOR AIR QUALITY			
This Section	Does Not Ap	pply			
K. TERMIN	IAL BOX CO	NTROLS			
This Section	Does Not Ap	pply			
		CTWORK AND PIPING)			
This Section	Does Not Ap	pply			
M. COOLIN	NG TOWERS				
This Section	Does Not Ap	pply			
Table Instru	ctions: Select	REQUIRED CERTIFICATES OF INSTALLATION  tions have been made based on information provided in previous tables the based on information provided in previous tables.			
Table Instruc Table E. Ada title24/2019	ctions: Select ditional Remo 9standards/2	tions have been made based on information provided in previous tabl arks. These documents must be provided to the building inspector dur 19 compliance documents/Nonresidential Documents/NRCI/	ing construction and can be found online at https://www.	w.energy.ca.go	ain why in
Table Instru Table E. Ada	ctions: Select	tions have been made based on information provided in previous tabl arks. These documents must be provided to the building inspector dur		w.energy.ca.go	ain why in
Table Instruc Table E. Ada title24/2019	ctions: Select ditional Remo Ostandards/2 NO	tions have been made based on information provided in previous tabl arks. These documents must be provided to the building inspector dur 19 compliance documents/Nonresidential Documents/NRCI/	ing construction and can be found online at https://www.	w.energy.ca.go	spector
Table Instru Table E. Ada title24/2019 YES	ctions: Select ditional Remo Ostandards/2 NO	tions have been made based on information provided in previous table arks. These documents must be provided to the building inspector duri 19 compliance documents/Nonresidential Documents/NRCI/ Form/Title	ing construction and can be found online at https://www.	Field Ir	spector

	OF COMP				NRCC-MCH-
oject Nam			eport Page: ate Prepared:		Page 5 of 10/31/2
			ate Frepareu.		10/31/2
able Instru able E. Ada	ctions: Se litional Rer	REQUIRED CERTIFICATES OF ACCEPTANCE  lections have been made based on information provided in previous tables of this documents. These documents must be provided to the building inspector during construction /2019 compliance documents/Nonresidential Documents/NRCA/			
				Field In	spector
YES	NO	Form/Title	Systems To Be Field Verified	Pass	Fail
0	•	NRCA-MCH-02-A Outdoor Air must be submitted for all newly installed HVAC units Note: MCH02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap.			
•	0	NRCA-MCH-03-A Constant Volume Single Zone HVAC NOTE: This form does not automatically move to "Yes". If Constant Volume Single Z HVAC Systems are included in the scope, permit applicant should move this form to "Yes".			
0	•	NRCA-MCH-04-A Air Distribution Duct Leakage			
0	•	NRCA-MCH-05-A Air Economizer Controls			
0	•	NRCA-MCH-06-A Demand Control Ventilation Systems Acceptance must be submit for all systems required to employ demand controlled ventilation (refer to §120.1(can vary outside ventilation flow rates based on maintaining interior carbon dioxid (CO2) concentration setpoints.	c)3)		
0	•	NRCA-MCH-07-A Supply Fan Variable Flow Controls			
0	•	NRCA-MCH-08-A Valve Leakage Test			
0	•	NRCA-MCH-09-A Supply Water Temperature Reset Controls			
0	•	NRCA-MCH-10-A Hydronic System Variable Flow Controls			
0	•	NRCA-MCH-11-A Automatic Demand Shed Controls			



NRCC-MCH-E (Created 09/2020)		CALIFOR	NIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE		la	NRCC-MCH-E
Project Name: Hearing Center Remodel		Report Page:	Page 8 of 9
Project Address: 1130 Broadway, Chula Vista, CA 91911		Date Prepared:	10/31/22
Q. MANDATORY MEASURES DOCUMENTATION LOCATION	ON		?
Table Instructions: Indicate where mandatory measures are do the plan sheet or construction document location as "N/A", any			s that do not apply, mark
01		02	
		Plan sheet or construction documen	tlocation
Compliance with Mandatory Measures documented through MCH Mandatory Measures Note Block:	Yes		

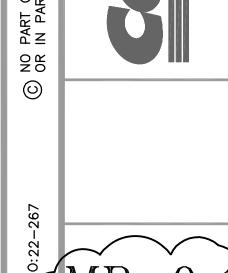
Project Address	Hearing Center R : 1130 Broadway,  sipment Efficiency	, Chula Vista, CA 91	1011			n				NRC
Dry System Equ	ipment Efficiency	,				Report P				Pag
		Lathauthau Daale				Date Pre				1
<u> </u>	0.2	(other than Packa				erminal He	at Pump			
	02		03	04	05	0	6	07	08	09
				Heating N					Cooling Mode	1
Name or Item Tag	Size Category (Btu/h)	Y Ra	ating Condition (°F)	Efficiency Unit	Min Efficiency Required per Tables 110.2/ Title 20	Des Effici		Efficiency Unit	Min Efficiency Required per Tables 110.2/ Title 20	Des Effici
This Section Do	MS & AIR ECONO	DMIZERS								
H. FAN SYSTE This Section Do  I. SYSTEM COI Table Instruction	MS & AIR ECONO es Not Apply  NTROLS ons: Complete the fo	following Table to		pliance with mand	latory controls in	§110.2 and	d §120.2	and prescriptive co	ontrols in §140.4(	f) and (n) o
H. FAN SYSTE This Section Do  I. SYSTEM COI Table Instruction	MS & AIR ECONO es Not Apply NTROLS	following Table to				<u>§110.2</u> and	d §120.2	and prescriptive co	ontrols in <u>§140.4(</u>	(f) and (n) (
H. FAN SYSTE This Section Do  I. SYSTEM COI Table Instruction	MS & AIR ECONO es Not Apply  NTROLS ons: Complete the for a section 1914 1.0(b) 2E for a section 192	following Table to litered space condi 03 Conditioned	tioning systems.	trats Shu Cor	05 nt-Off Isolat ntrols Co		Dem			

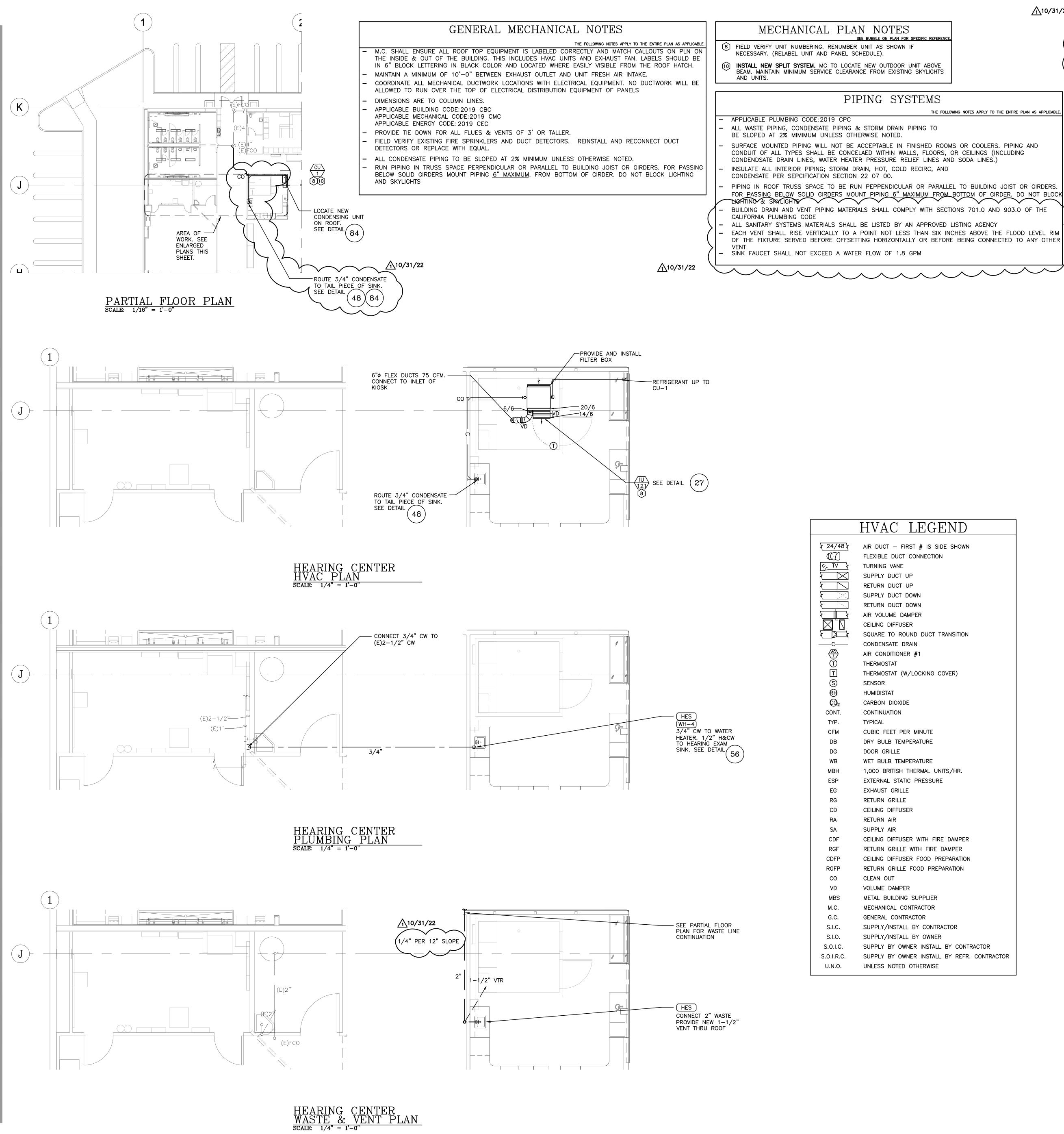
CERTIFICATE Project Nam			leport Page:	NRCC-MC Page 6 d
			Pate Prepared:	10/31
	•	NRCA-MCH-12-A FDD for Packaged Direct Expansion Units		
0	•	NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance		
0	•	NRCA-MCH-14-A Distributed Energy Storage DX AC Systems Acceptance NOTE: This form does not automatically move to "Yes". If Distributed Energy Storag AC Systems are included in the scope, permit applicant should move this form to "Y		
0	•	NRCA-MCH-15-A Thermal Energy Storage (TES) System Acceptance NOTE: This form does not automatically move to "Yes". If Chilled Water Storage, Icc Coil Internal Melt, Ice-on-Coil External Melt, Ice Harvester, Brine, Ice-Slurry, Eutectic Salt, Clathrate Hydrate Slurry (CHS), Cryogenic or Encapulated (Ice Ball) Systems are included in the scope, permit applicant should move this form to "Yes".	с	
0	•	NRCA-MCH-16-A Supply Air Temperature Reset Controls		
0	•	NRCA-MCH-17-A Condenser Water Temperature Reset Controls		
0	•	NRCA-MCH-18 Energy Management Control Systems		
0	•	NRCA-MCH-19 Occupancy Sensor Controls		
0	•	NRCA-MCH-20 Multi-Family Ventilation		
0	•	NRCA-MCH-21 Multi-Family Envelope Leakage		

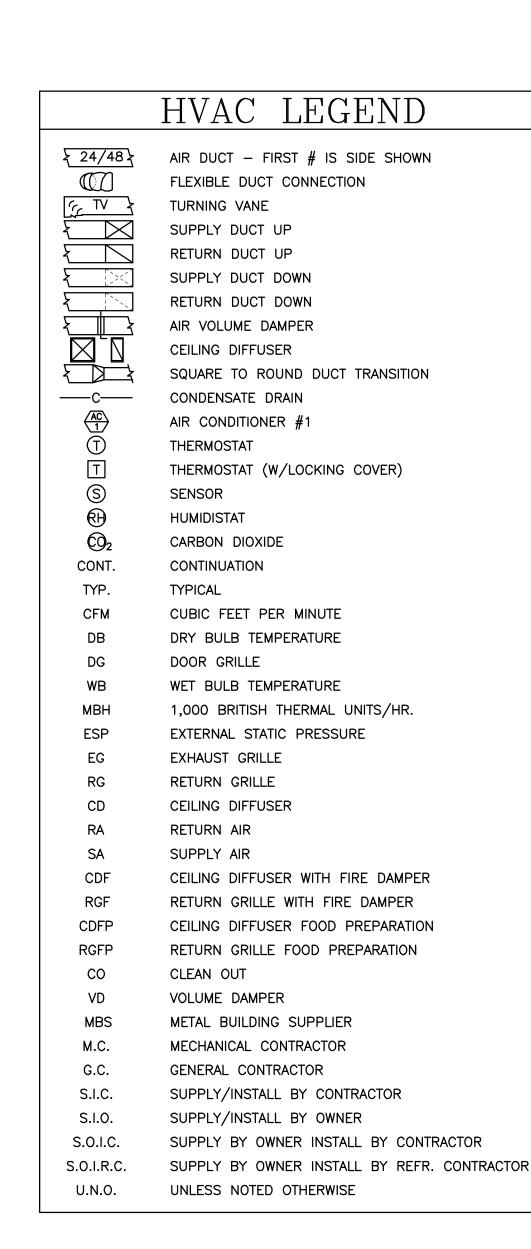








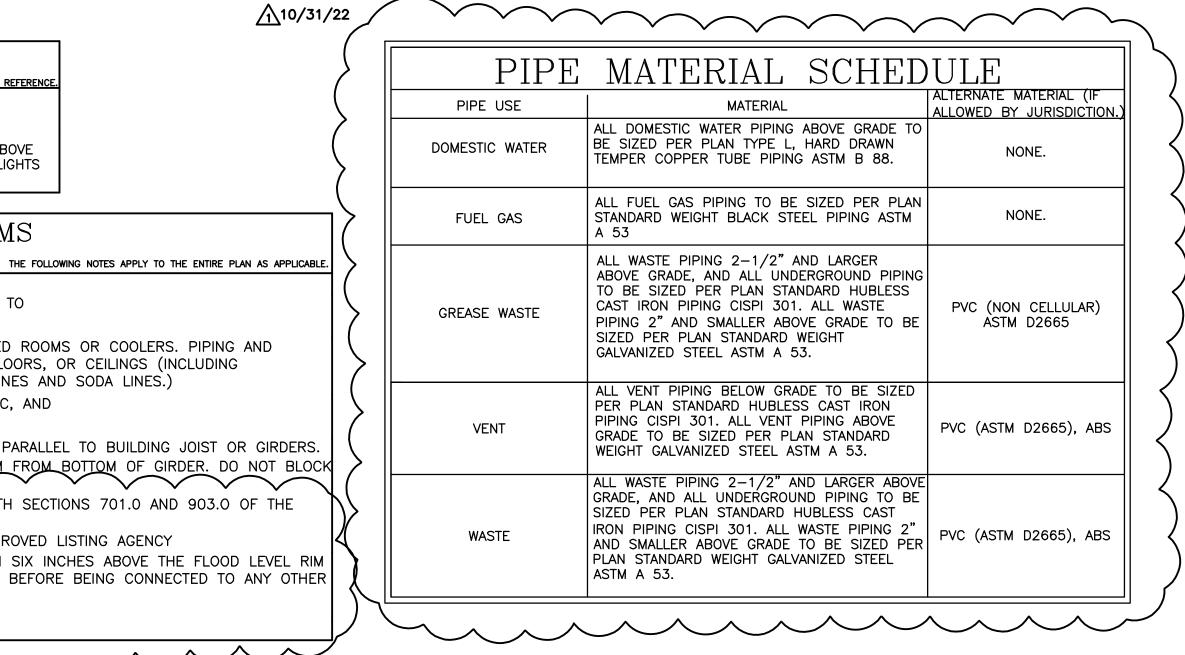




SEE BUBBLE ON PLAN FOR SPECIFIC REFERENCE

PIPING SYSTEMS

DIIIMB	SING LEGEND
CWV	COMBINATION WASTE & VENT
GW	<ul><li>GREASY WASTE/SANITARY SEWER</li><li>WASTE/SANITARY SEWER</li></ul>
	VENT
	— COLD WATER
	— HOT WATER
	— HOT WATER CIRCULATION
A	— AIR
	— CONDENSATE DRAIN — GAS
	— GAS — NITROGEN
s	— SOFTENED COLD WATER
——— Н ———	- HARD COLD WATER
——————————————————————————————————————	- STORM/OVERFLOW DRAIN
	— SIPHONIC STORM DRAIN
	— FILTERED (RO) COLD WATER
	— GAS COCK — CONTROL VALVE – 2 WAY
~ 	— CONTROL VALVE — 3 WAY
	— RPPB/RPZ
—————————————————————————————————————	— STRAINER
¥	THERMOMETER
——————————————————————————————————————	— UNION
N	- VALVE - CHECK
	<ul><li>VALVE – GATE</li><li>VALVE – PRESSURE REDUCING (PRV)</li></ul>
X1-	MIXING VALVE
\(\frac{\dagger}{\dagger}\)	PRESSURE GAUGE
<b>Д</b>	AUTO AIR VENT
† ┌───	CAP OFF
A.F.F.	ABOVE FINISH FLOOR
A.H.J.	AUTHORITY HAVING JURISDICTION
B.F.F.	BELOW FINISH FLOOR
CO CONT.	CLEAN OUT CONTINUATION
CW	COLD WATER
CWV	COMBINATION WASTE & VENT
FCO G.C	FLOOR CLEAN OUT GENERAL CONTRACTOR
G.V	GATE VALVE
GW	GREASE WASTE
H&CW	HOT & COLD WATER
HW IN. WC	HOT WATER INCHES OF WATER COLUMN
MBH	1,000 BRITISH THERMAL UNITS/HR.
M.C	MECHANICAL CONTRACTOR
PSI RN	POUNDS PER SQUARE INCH ROUGH INSTALLATION
RPPB	REDUCED PRESSURE PRINCIPLE
	BACKFLOW PREVENTER
RPZ	REDUCED PRESSURE ZONE ASSEMBLY
SCO	BACKFLOW PREVENTER SURFACE CLEAN OUT
S.S.	SANITARY SEWER
TYP.	TYPICAL
U VTB	UNION
VTR W.	VENT THRU ROOF WASTE
WCO	WALL CLEAN OUT
WHA	WATER HAMMER ARRESTER



Inc.

PLUMBING FIXTURE SCHEDULE - SUPPLIED BY OWNER INSTALLED BY CONTRACTOR (SOIC) MFR./MODEL WASTE VENT COLD W. HOT W. SPECIFICATIONS DETAIL SERVES SYMBOL DESCRIPTION 22 GAUGE TYPE 302 SELF RIMMING STAINLESS STEEL, LEDGE TYPE, SINGLE COMPARTMENT SINK, 12"X10"X6" DEEP HES HEARING EXAM LH-BS AG HEARING EXAM -1/2" |1/2" |1/2" WITH FAUCET LEDGE. INCLUDES CHROME FAUCET, STRAINER AND INSTALLATION HARDWARE. WH-4 WATER HEATER | EE MAX EMT 2.5 1/2" | 1/2" | 2.5 GAL., ELECTRIC WATER HEATER, 1.2KW, 120V/1ø, 10 AMPS. 6.0 GPH @ 100 RISE. HEARING CENTER |(3)| |N/A|(3) WATER HEATERS TO HAVE RIGID CONNECTIONS & CONSTRAINTS TO RESIST SEISMIC MOTION. HAZARD TYPE BACKFLOW POTENTIAL BS – BACK SIPHONAGE BP – BACK PRESSURE LH — LOW HAZARD HH — HIGH HAZARD

BACKFLOW PREVENTION

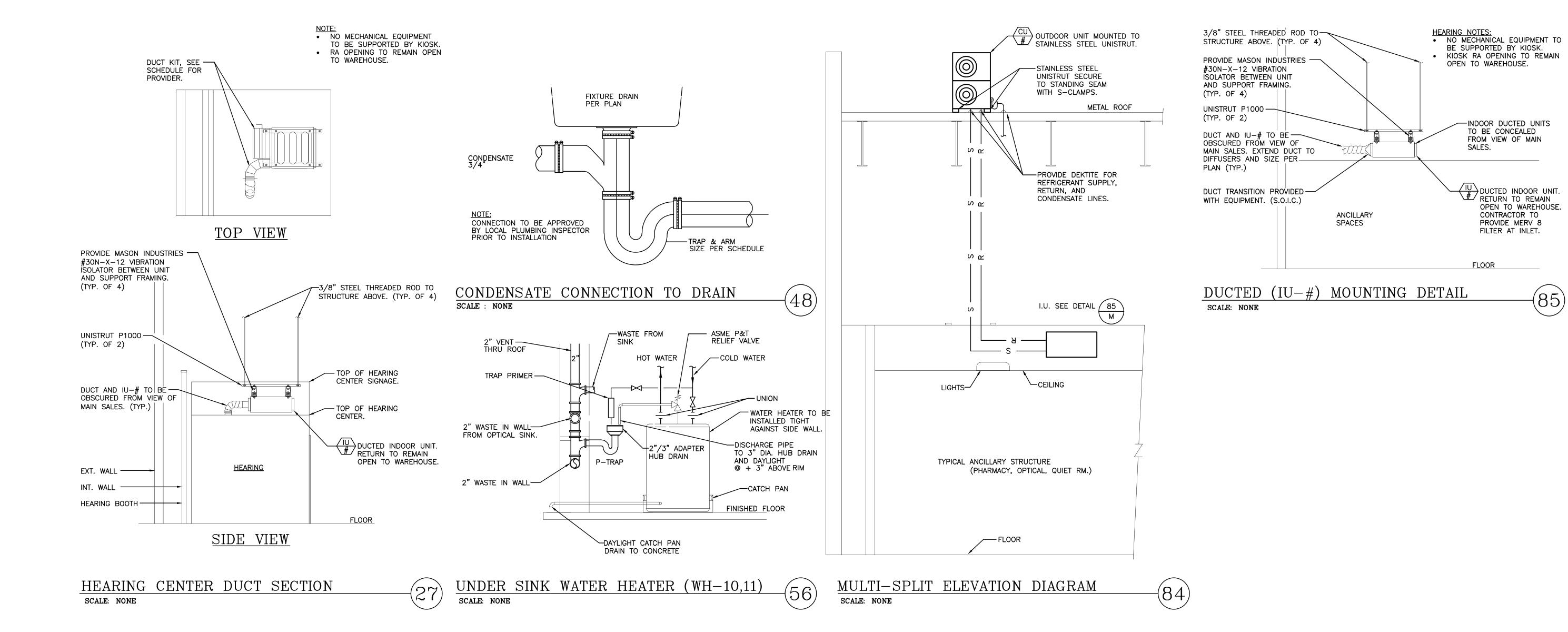
RPZ — REDUCED PRESSURE PRINCIPLE BACK FLOW
PVB — PRESSURE VACUUM BREAKER
AG — AIR GAP
AVB — ATMOSPHERIC VACUUM BREAKER

				HVAC EQUIPMEN	T SCHED	OULE—S	S.O.I.C.			
COOLING	DESIGN TEMPER	RATURES: 93	.3°F DB, 76	.9'F MCWB, 18.2'F DAILY RANGE	HEATING DESIGN	TEMPERATURE	S: 30.4°F D	В 99%, 27.4	F DB 99.6% ELEVATION: 52	2 FT
SYMBOL	ITEM	SERVES	MFR/#	DESCRIPTION		ELECT.	WEIGHT	REFERENCE	REMARKS	NOTES
CU-1	AIR CONDITIONER	HEARING	LG LDN097HV4		6/4 NOM. TONS, EER = 12.7 SEER = 18.5 COP = 3.3	208V/1ø 15A MOP 11.49 MCA	UNIT: 82#	84/M	PROVIDE Y-BRANCH KIT P/N: PMBL5620	
IU-121	AIR CONDITIONER	HEARING	LG LDN097HV4	INDOOR (LOW STATIC) DUCTED UNIT, 1/4" LIQUID, 3/8" GAS, 9.0 MBH COOLING, 10.4 MBH HEAT 318/247/194 CFM	0.2" S.P. MAX.	POWERED BY CU-1	UNIT: 39#	85/M	O/A FROM WAREHOUSE	

#### GENERAL NOTES

- All equipment furnished by owner. Refer to HVAC Equipment Responsibilities on sheet M-0.2 for installation.
- AC units provided with D.D.C. communications interface controlled by building management system by controls installer. sensor/t'stat S.I.O. sensors @ +72", t'stats at 48" A.F.F.
- Refrigeration contractor to install all items listed in equipment submittal per manufacturers installation and operation manual

— Retrigeration contractor to install all items listed in equipment submittal per manufacturers installation and operation manual
— For LG multi-split layout, piping information and equipment submittals, contact Alex Noble at Johnson Barrow: 425.445.4935 or ALEXN@JBARROW.COM



MECHAINICAL AIND FLOMBING SCHEDULES, AIND DEIAILS

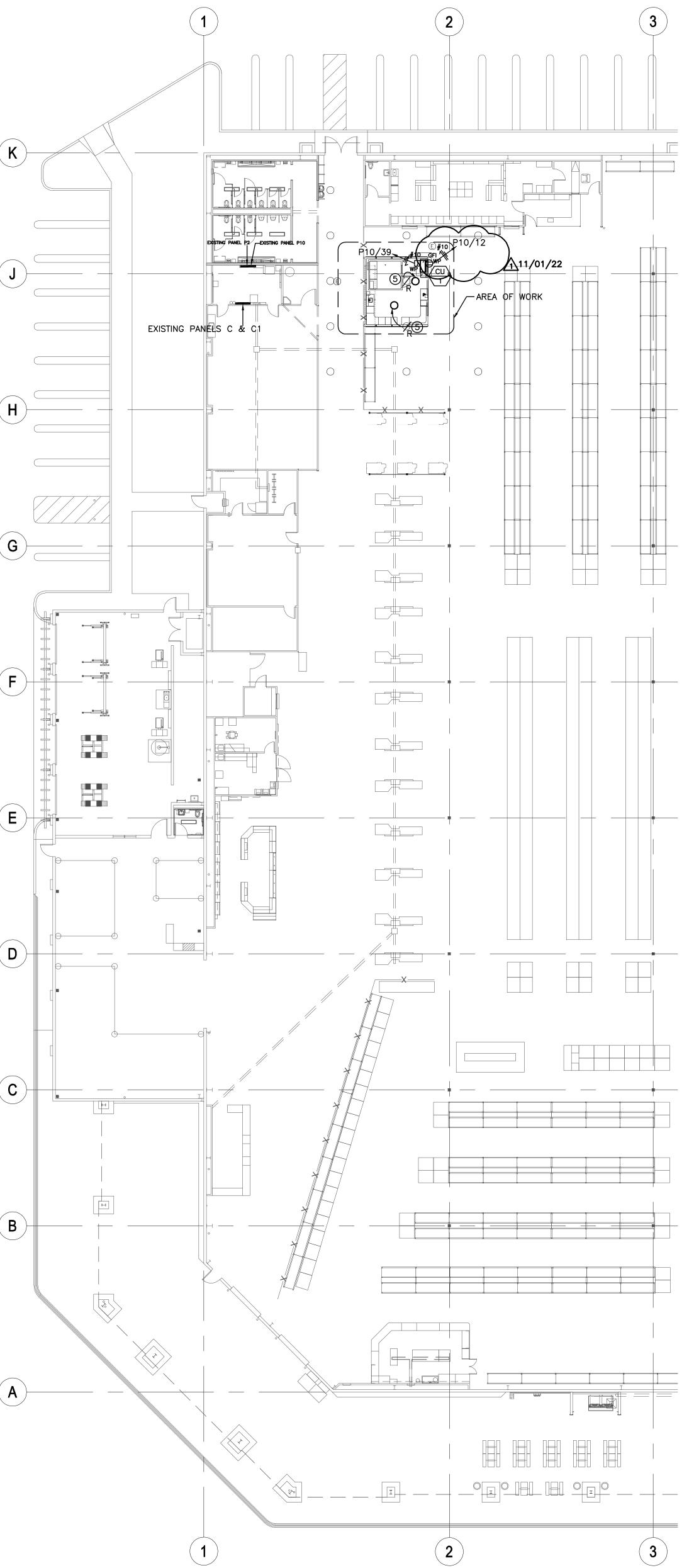
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Inc.

**905100**WHOLESAL

MP-2



PARTIAL FLOOR PLAN
SCALE: 1/16" = 1'-0"

_
_
 _
_
 _
_

LEGEND

MAIN SWITCHBOARD

ABOVE FINISH FLOOR

GENERAL CONTRACTOR

EQUIPMENT SUPPLIER.

ELECTRICAL CONTRACTOR

MECHANICAL CONTRACTOR

MAIN LUGS ONLY

COPPER

TYPICAL

PLAN NOTES:

PANEL: P10

CIRCUIT USE
SITE PARK LIGHTING
SITE PARK LIGHTING

OR REUSE EXISTING CIRCUITS, IF APPLICABLE.

(4) NO CONDUIT ATTACHED TO BOOTH.

M.S.B.

CU

E.C.

TYP.

① DUPLEX RECEPTACLE, +18" MIN. OR AS NOTED

FOUR-PLEX RECEPTACLE, +18" MIN. OR AS NOTED

FUSED DISCONNECT, COORDINATE W/EQUIPMENT SUPPLIER

HACR BREAKER IN NEMA ENCLOSURE. COORDINATE WITH

NON-FUSED DISCONNECT, COORDINATE W/EQUIPMENT SUPPLIER

HACR BREAKER IN NEMA ENCLOSURE, COORDINATE W/EQUIPMENT SUPPLIER

1 E.C. TO REMOVE EXISTING ELECTRICAL DEVICES AND ASSOCIATED CONDUITS & WIRES TO SOURCE. REFER TO DEMO AREA, SEE ARCHITECTURAL PLAN FOR EXACT LOCATION. TURN OFF BREAKER(S) AND LABEL AS 'SPARE'

② MOUNT RECEPTACLE INSIDE CABINET FOR CASH REGISTER, PROVIDE GROUND WIRES.

208 / 120 VOLTS 225 A CU BUS M.L.O. TOP FEED

PHASE (KVA)

RECEPTACLE FOR BOOTH AND LIGHTING & OUTLETS. E.C. TO MAKE ALL FINAL CONNECTIONS.

(5) E.C. TO REMOVE AND RELOCATE EXISTING HIGHBAY LIGHT FIXTURE AS SHOWN. EXTEND FEEDER TO NEW

LOCATION. DO NOT CUT FLEXIBLE WIRING SYSTEM. PROVIDE NEW FLEXIBLE WIRING AS REQUIRED. FIELD VERIFY.

PLUGMOLD WITH RECEPTACLES, SEE SPECS

JUNCTION BOX, SIZE AND TYPE PER CODE

COMBINATION STARTER/DISCONNECT SWITCH

GROUND FAULT CIRCUIT INTERRUPTER + WR (WEATHER RESISTANT) OUTDOOR

ISOLATED GROUND DUPLEX RECEPTACLE, +18" MIN. OR AS NOTED

ISOLATED GROUND FOUR-FLEX RECEPTACLE, +18" MIN. OR AS NOTED

NECEI IACEE		0.00		20/	Z	<b>44</b>	20/ 1		0.00		INLULI IAULL
RECEPTACLE			0.80	20/1	23	24	20/1			0.80	RECEPTACLE
RECEPTACLE	0.80			20/1	25	26	20/1	0.80			RECEPTACLE
RECEPTACLE		0.80		20/1			20/1		0.80		RECEPTACLE
RECEPTACLE			0.80	20/1			20/1			0.80	RECEPTACLE
SPARE				20/1	31	32	20/1	0.80			RECEPTACLE
SPARE				20/1	3.3	34	20/1				SPARE
SPARE				20/1			30/1			1.18	AD-1
SPARE				20/1			30/1	1.18		+	AD-2
CU-1*				15/2			20/1	11.10	0.50		CATV AMPLIFIER
				10/2			20/1		0.00		SPARE
TOTAL PHASE A (KVA)	3.08				8.04			4.96			OI / III E
TOTAL PHASE B (KVA)	0.00	2.78			6.18			7.50	3.40		
TOTAL PHASE C (KVA)		2.70	1.60		6.08				3.40	4.48	
TOTAL CONNECTED LOAD			1.00		20.3					56 A	
*NEW LOAD. PROVIDE BREAKER	D AC CHOWN				20.5	K V/	<del>^</del>			30 A	
NEW LOAD. PROVIDE BREAKER	AS SHOWIN.										
DANEL . C	000 / 4	00 1/01 7/			7 0	1400	-		E 14/10-		
PANEL: C	208 / 1	20 VOLTS	) //100/70	MOD	3 PH	1ASE	-		5 WIRE		
TVICTING			V/100/3P	MCB	CLID	-^~	MOUL	ıT		A.I.C. MIN	•
EXISTING	TOP FEE		/A \				MOUN		SQ-D		
		HASE (K	1.7		CKT.C				PHASE (K	1 -	
CIRCUIT USE	A	В	С				BKR.	A	В	С	CIRCUIT USE
MEMBERSHIP COUNTER	0.36			20/1		2	20/1	0.36			MEMBERSHIP COUNTER
MEMBERSHIP COUNTER		0.36		20/1		4	20/1		0.36		MEMBERSHIP COUNTER
MEMBERSHIP COUNTER			0.36	20/1		6	20/1			0.18	OPTICAL RECEPTACLE
SPARE				20/1			20/1	0.72			HEARING AID RECEPT*
RECEIVING COUNTER		1.08		15/1	9	10	20/1				SPARE
RTV RECEPTACLE			0.72	15/1	11	12	20/1				SPARE
FOOD SERVICE CASH REG	0.50			15/1			15/1	0.50			LABEL SYSTEM #61
OOD SERVICE CASH REG		0.50		15/1	15	16	15/1		0.20		MEAT SCALE #50
FOOD SERVICE CASH REG			0.50	15/1	17	18	15/1			0.20	DELI PRINTER #69
FOOD SERVICE CASH REG	0.50			15/1	19	20	20/1	0.36			RECEPT - OFFICE
SPARE				20/1			20/1		0.36		RECEPT - OFFICE
RECEPT. TIRE CENTER			0.36	15/1			15/1				SPARE
RECEPT PHARMACY				15/1			15/1				SPARE
ATM MACHINE		0.50		20/1			20/1		0.50		RECEPT. TIRE CENTER
RECEPT PHARMACY			0.36	20/1	29	30	20/1			0.50	RECEPT. TIRE CENTER
RECEPT PHARMACY	0.72			20/1			100/2	5.00			UPS
SPARE			1	15/1	33		, -	3.55	5.00		
SPARE			+	15/1			20/1			0.54	MANAGER'S OFFICE REC.
71 7 N NE	0.10			13/1			20/1			3.31	SPARE
SURGE PROTECTOR	0.10	0.10		20/3			15/1		0.50		OPTICAL KIOSK RECEPTACLE
SONGE I NOTECTON		0.10	0.10	20/3			15/1		0.50	0.50	PHOTO RECEPTACLE
TOTAL DUACE A (M/A)	2.18		0.10		9.12			6.94		0.30	FIIOTO RECEPTACLE
TOTAL PHASE A (KVA) TOTAL PHASE B (KVA)	2.10	2.54						0.94	6.00		
60476 6 (874)		2.54			9.46				6.92	1.00	
			0.40								
TOTAL PHASE C (KVA)  TOTAL CONNECTED LOAD			2.40		4.32 22.9					1.92 63 A	_

SPARE				20/1	11  12  20/1			0.90	HEARING AID RECEPT*
SPARE				20/1	13 14 20/1	0.80			RECEPTACLE
SPARE				20/1	15 16 20/1		0.80		RECEPTACLE
SPARE				20/1	17 18 20/1			0.80	RECEPTACLE
RECEPTACLE	0.80			20/1	19 20 20/1	0.18			RECEPTACLE
RECEPTACLE		0.80		20/1	21 22 20/1		0.80		RECEPTACLE
RECEPTACLE			0.80	20/1	23 24 20/1			0.80	RECEPTACLE
RECEPTACLE	0.80			20/1	25 26 20/1	0.80			RECEPTACLE
RECEPTACLE		0.80		20/1	27 28 20/1		0.80		RECEPTACLE
RECEPTACLE			0.80	20/1	29 30 20/1			0.80	RECEPTACLE
SPARE				20/1	31 32 20/1	0.80			RECEPTACLE
SPARE				20/1	33 34 20/1				SPARE
SPARE				20/1	35 36 30/1			1.18	AD-1
SPARE				20/1	37 38 30/1	1.18			AD-2
CU-1*				15/2	39 40 20/1		0.50		CATV AMPLIFIER
				10/2	41 42 20/1				SPARE
TOTAL PHASE A (KVA)	3.08				8.04 KVA	4.96			01711/2
TOTAL PHASE B (KVA)	0.00	2.78			6.18 KVA		3.40		
TOTAL PHASE C (KVA)		2.70	1.60		6.08 KVA		0.10	4.48	
TOTAL CONNECTED LOAD			1.00		20.3 KVA			56 A	
PANEL: C	208 / 1	20 VOLTS	<u> </u>		3 PHASE		5 WIRE		
7.11.22.									
EXISTING				MCB					L
	100 A C	U BUS W	/100/3P	MCB		NT	10000	A.I.C. MIN	
	100 Å C TOP FEE	U BUS W D	//100/3P		SURFACE MOU		10000 SQ-D	A.I.C. MIN NQOD	
CIRCUIT LISE	100 A C TOP FEE	D BUS W HASE (KV	//100/3P /A)		SURFACE MOU		10000 SQ-D PHASE (K	A.I.C. MIN NQOD VA)	
	100 A C TOP FEE P A	U BUS W D	//100/3P	BKR.	SURFACE MOU CKT.CKT.	Α	10000 SQ-D	A.I.C. MIN NQOD	CIRCUIT USE
MEMBERSHIP COUNTER	100 A C TOP FEE	EU BUS W D PHASE (KV	//100/3P /A)	BKR. 20/1	SURFACE MOU CKT.CKT. NO. NO. BKR. 1 2 20/1		10000 SQ-D PHASE (K	A.I.C. MIN NQOD VA)	CIRCUIT USE MEMBERSHIP COUNTER
MEMBERSHIP COUNTER MEMBERSHIP COUNTER	100 A C TOP FEE P A	D BUS W HASE (KV	/100/3P /A) C	BKR. 20/1 20/1	SURFACE MOU CKT.CKT. NO. NO. BKR. 1 2 20/1 3 4 20/1	Α	10000 SQ-D PHASE (K	A.I.C. MIN NQOD VA) C	CIRCUIT USE  MEMBERSHIP COUNTER  MEMBERSHIP COUNTER
MEMBERSHIP COUNTER MEMBERSHIP COUNTER MEMBERSHIP COUNTER	100 A C TOP FEE P A	EU BUS W D PHASE (KV	//100/3P /A)	BKR. 20/1 20/1 20/1	SURFACE MOU CKT.CKT. NO. NO. BKR. 1 2 20/1 3 4 20/1 5 6 20/1	A 0.36	10000 SQ-D PHASE (K	A.I.C. MIN NQOD VA)	CIRCUIT USE  MEMBERSHIP COUNTER  MEMBERSHIP COUNTER  OPTICAL RECEPTACLE
MEMBERSHIP COUNTER MEMBERSHIP COUNTER MEMBERSHIP COUNTER SPARE	100 A C TOP FEE P A	BUS WD HASE (KV B 0.36	/100/3P /A) C	BKR. 20/1 20/1 20/1 20/1	SURFACE MOU CKT.CKT. NO. NO. BKR. 1 2 20/1 3 4 20/1 5 6 20/1 7 8 20/1	Α	10000 SQ-D PHASE (K	A.I.C. MIN NQOD VA) C	CIRCUIT USE  MEMBERSHIP COUNTER  MEMBERSHIP COUNTER  OPTICAL RECEPTACLE  HEARING AID RECEPT*
MEMBERSHIP COUNTER MEMBERSHIP COUNTER MEMBERSHIP COUNTER SPARE RECEIVING COUNTER	100 A C TOP FEE P A	EU BUS W D PHASE (KV	/(100/3P /A)   C   0.36	BKR. 20/1 20/1 20/1 20/1 15/1	SURFACE MOU CKT.CKT. NO. NO. BKR. 1 2 20/1 3 4 20/1 5 6 20/1 7 8 20/1 9 10 20/1	A 0.36	10000 SQ-D PHASE (K	A.I.C. MIN NQOD VA) C	CIRCUIT USE  MEMBERSHIP COUNTER  MEMBERSHIP COUNTER  OPTICAL RECEPTACLE  HEARING AID RECEPT*  SPARE
MEMBERSHIP COUNTER MEMBERSHIP COUNTER MEMBERSHIP COUNTER SPARE RECEIVING COUNTER RTV RECEPTACLE	100 A C TOP FEE P A 0.36	BUS WD HASE (KV B 0.36	/100/3P /A) C	BKR. 20/1 20/1 20/1 20/1 15/1	SURFACE MOU CKT.CKT. NO. NO. BKR. 1 2 20/1 3 4 20/1 5 6 20/1 7 8 20/1 9 10 20/1 11 12 20/1	0.72	10000 SQ-D PHASE (K	A.I.C. MIN NQOD VA) C	CIRCUIT USE  MEMBERSHIP COUNTER  MEMBERSHIP COUNTER  OPTICAL RECEPTACLE  HEARING AID RECEPT*  SPARE  SPARE
MEMBERSHIP COUNTER MEMBERSHIP COUNTER MEMBERSHIP COUNTER SPARE RECEIVING COUNTER RTV RECEPTACLE FOOD SERVICE CASH REG	100 A C TOP FEE P A	BUS WD HASE (KV B 0.36	/(100/3P /A)   C   0.36	BKR. 20/1 20/1 20/1 20/1 15/1 15/1 15/1	SURFACE MOU CKT.CKT. NO. NO. BKR. 1 2 20/1 3 4 20/1 5 6 20/1 7 8 20/1 9 10 20/1 11 12 20/1 13 14 15/1	A 0.36	10000 SQ-D PHASE (K B	A.I.C. MIN NQOD VA) C	CIRCUIT USE  MEMBERSHIP COUNTER  MEMBERSHIP COUNTER  OPTICAL RECEPTACLE  HEARING AID RECEPT*  SPARE  SPARE  LABEL SYSTEM #61
MEMBERSHIP COUNTER MEMBERSHIP COUNTER MEMBERSHIP COUNTER SPARE RECEIVING COUNTER RTV RECEPTACLE FOOD SERVICE CASH REG FOOD SERVICE CASH REG	100 A C TOP FEE P A 0.36	BUS WD HASE (KV B 0.36	(A) C 0.36 0.72	BKR. 20/1 20/1 20/1 20/1 15/1 15/1 15/1 15/1	SURFACE MOU CKT.CKT. NO. NO. BKR. 1 2 20/1 3 4 20/1 5 6 20/1 7 8 20/1 9 10 20/1 11 12 20/1 13 14 15/1 15 16 15/1	0.72	10000 SQ-D PHASE (K	A.I.C. MIN NQOD VA) C 0.18	CIRCUIT USE  MEMBERSHIP COUNTER  MEMBERSHIP COUNTER  OPTICAL RECEPTACLE  HEARING AID RECEPT*  SPARE  SPARE  LABEL SYSTEM #61  MEAT SCALE #50
MEMBERSHIP COUNTER MEMBERSHIP COUNTER MEMBERSHIP COUNTER SPARE RECEIVING COUNTER RTV RECEPTACLE FOOD SERVICE CASH REG FOOD SERVICE CASH REG FOOD SERVICE CASH REG	100 A C TOP FEE P A 0.36	BUS WD HASE (KV B 0.36	/(100/3P /A)   C   0.36	BKR. 20/1 20/1 20/1 20/1 15/1 15/1 15/1 15/1 15/1	SURFACE MOUNT CKT.CKT.  NO. NO. BKR.  1 2 20/1  3 4 20/1  5 6 20/1  7 8 20/1  9 10 20/1  11 12 20/1  13 14 15/1  15 16 15/1  17 18 15/1	0.36 0.72	10000 SQ-D PHASE (K B	A.I.C. MIN NQOD VA) C	CIRCUIT USE  MEMBERSHIP COUNTER  MEMBERSHIP COUNTER  OPTICAL RECEPTACLE  HEARING AID RECEPT*  SPARE  SPARE  LABEL SYSTEM #61  MEAT SCALE #50  DELI PRINTER #69
MEMBERSHIP COUNTER MEMBERSHIP COUNTER MEMBERSHIP COUNTER SPARE RECEIVING COUNTER RTV RECEPTACLE FOOD SERVICE CASH REG	100 A C TOP FEE P A 0.36	BUS WD HASE (KV B 0.36	(A) C 0.36 0.72	BKR. 20/1 20/1 20/1 20/1 15/1 15/1 15/1 15/1 15/1 15/1	SURFACE MOUNT CKT.CKT.  NO. NO. BKR.  1 2 20/1  3 4 20/1  5 6 20/1  7 8 20/1  9 10 20/1  11 12 20/1  13 14 15/1  15 16 15/1  17 18 15/1  19 20 20/1	0.36 0.72 0.50	10000 SQ-D PHASE (K B 0.36	A.I.C. MIN NQOD VA) C 0.18	CIRCUIT USE  MEMBERSHIP COUNTER  MEMBERSHIP COUNTER  OPTICAL RECEPTACLE  HEARING AID RECEPT*  SPARE  SPARE  LABEL SYSTEM #61  MEAT SCALE #50  DELI PRINTER #69  RECEPT — OFFICE
MEMBERSHIP COUNTER MEMBERSHIP COUNTER MEMBERSHIP COUNTER SPARE RECEIVING COUNTER RTV RECEPTACLE FOOD SERVICE CASH REG SPARE	100 A C TOP FEE P A 0.36	BUS WD HASE (KV B 0.36	(A) C 0.36 0.72 0.50	BKR. 20/1 20/1 20/1 20/1 15/1 15/1 15/1 15/1 15/1 15/1 20/1	SURFACE MOUNT CKT.CKT.  NO. NO. BKR.  1 2 20/1  3 4 20/1  5 6 20/1  7 8 20/1  9 10 20/1  11 12 20/1  13 14 15/1  15 16 15/1  17 18 15/1  19 20 20/1  21 22 20/1	0.36 0.72 0.50	10000 SQ-D PHASE (K B	A.I.C. MIN NQOD VA) C 0.18	CIRCUIT USE  MEMBERSHIP COUNTER  MEMBERSHIP COUNTER  OPTICAL RECEPTACLE  HEARING AID RECEPT*  SPARE  SPARE  LABEL SYSTEM #61  MEAT SCALE #50  DELI PRINTER #69  RECEPT — OFFICE  RECEPT — OFFICE
CIRCUIT USE  MEMBERSHIP COUNTER  MEMBERSHIP COUNTER  MEMBERSHIP COUNTER  SPARE  RECEIVING COUNTER  RTV RECEPTACLE  FOOD SERVICE CASH REG  SPARE  RECEPT. TIRE CENTER  RECEPT. — PHARMACY	100 A C TOP FEE P A 0.36	BUS WD HASE (KV B 0.36	(A) C 0.36 0.72	BKR. 20/1 20/1 20/1 20/1 15/1 15/1 15/1 15/1 15/1 15/1	SURFACE MOUNT CKT.CKT.  NO. NO. BKR.  1 2 20/1  3 4 20/1  5 6 20/1  7 8 20/1  9 10 20/1  11 12 20/1  13 14 15/1  15 16 15/1  17 18 15/1  19 20 20/1	0.36 0.72 0.50	10000 SQ-D PHASE (K B 0.36	A.I.C. MIN NQOD VA) C 0.18	CIRCUIT USE  MEMBERSHIP COUNTER  MEMBERSHIP COUNTER  OPTICAL RECEPTACLE  HEARING AID RECEPT*  SPARE  SPARE  LABEL SYSTEM #61  MEAT SCALE #50  DELI PRINTER #69  RECEPT — OFFICE

CKT.CKT.

MOTOR CONNECTION AS REQUIRED

TELEPHONE / DATA OUTLET WITH 3/4"

CONDUIT IN CEILING OR WALL, 1/2" MIN.

CONDUIT UNDERGROUND OR FLOOR, 3/4" MIN.

OR AS SHOWN. DO NOT DAISY CHAIN.

4 WIRE
10000 A.I.C. MIN.
SQ-D NQOD
PHASE (KVA)
B C

HEARING AID WH-4\*
HEARING AID BOOTH\*
HEARING AID RECEPT\*

CONCEALED-IN-WALL CONDUIT UP TO CEILING SPACE

2-COMPARTMENT POWER POLE, WIREMOLD 25DTP SERIES

CONDUIT UNDERGROUND OR FLOOR, 3/4" MIN.	
HOME RUN TO PANEL WITH CIRCUIT NUMBER, SLASHES	REMOVE OR ABANDON ALL UNUSED UNDERGROUND, UNDER FLOOR RACEWAYS. REMOVE WIRES.
INDICATE NUMBER OF CONDUCTORS	REMOVE ALL UNUSED SURFACE RACEWAYS.
INDICATES WIRES AND CONDUIT OTHER THAN #12,1/2"C	
C - METALLIC CONDUIT, PVC - PLASTIC CONDUIT	RELOCATE EXISTING ITEMS SHALL INCLUDE DISCONNECTING AND EXTENDING EXISTING CONDUITS AND WIRING TO NEW LOCATION, PROVIDE NEW CONNECTION AS REQUIRED.
ISOLATED GROUND OR GROUND CONDUCTOR	ECCATION, PROVIDE NEW CONNECTION AS REGUIRED.
FLEXIBLE CONDUIT CONNECTION AS REQUIRED	PROVIDE CUTTING, PATCHING FOR ALL RELATED ELECTRICAL WORK AS REQUIRED.
TRANSFORMER	INFORMATION ON THE EXISTING INSTALLATION HAS BEEN OBTAINED FROM THE BEST SOURCE AVAILABLE BUT CANNOT
3/4"x4'x8' PAINTED TELEPHONE BOARD	BE GUARANTEED ACCURATE IN ALL RESPECTS. PRIOR TO BID, IT IS THE CONTRACTORS'S RESPONSIBILITY TO VISIT THE SITE. VERIFY ALL SUCH INFORMATION AND THOROUGHLY FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
BRANCH PANEL	THE SITE. VERTITIALE SOOT INTORMATION AND THOROGOTHER PARTIES.
GROUNDING PER CODE OR 3/4" DIAMETER 10' LONG	ALL WORKS SHALL BE PERFORMED TO CHANGE THE EXISTING ELECTRICAL INSTALLATION AS SHOWN. INCLUDE AS PART
STAINLESS STEEL GROUND ROD	OF THE CONTRACT ALL RELATED WORKS REQUIRED TO OBTAIN THE INDICATED RESULTS.
WEATHER PROOF	ALL EXISTING WIRING, CONDUITS, JUNCTION BOXES AND ALL OTHER ELECTRICAL EQUIPMENT AND DEVICES IN THE
CONDUIT ONLY WITH PULL WIRES	AREAS AFFECTED BY THE REMODEL SHALL BE REMOVED AND RELOCATED AS REQUIRED. EXTEND ALL CONDUITS AND
	WIRING.
INDICATES MOUNTING HEIGHT OF EQUIPMENT/OUTLET CENTER LINE ABOVE FINISH FLOOR	ALL WORKS ARE TO BE DONE SO AS NOT TO INTERFERE WITH THE WAREHOUSE'S NORMAL OPERATION. ALL WORKS
322 223 200	ARE TO BE COORDINATED AND SCHEDULED AS APPROVED BY THE WAREHOUSE MANAGER FOR ELECTRICAL SHUTDOWN,
	CONTINUITY OF SERVICE, ETC.

ELECTRICAL DEMOLITION & REMODEL GENERAL NOTES

ELECTRICAL CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DEMOLITION AND PHASING PLANS FOR THE SCOPE OF

REMOVAL OF EXISTING ITEMS SHALL INCLUDE DISCONNECTING AND REMOVING OF THE EXISTING CONDUITS AND WIRING

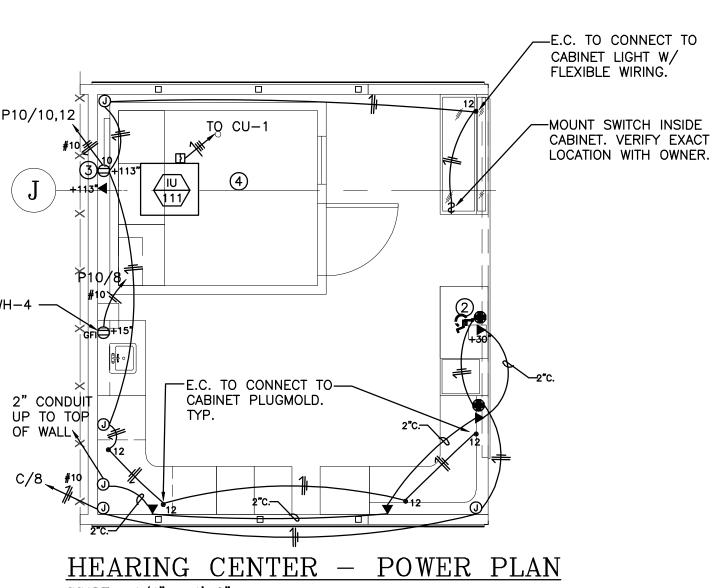
BACK TO THE NEXT ACTIVE OUTLET OR SOURCE. PROVIDE MATCHING BLANK COVER PLATE AS REQUIRED.

CORRESPONDING ELECTRICAL DEMOLITION WORK.

FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.

COORDINATE AND SCHEDULE WITH OWNER FOR ANY EXISTING ELECTRICAL SERVICE SHUTDOWN, PROVIDE TEMPORARY POWER TO MAINTAIN EXISTING ELECTRICAL SYSTEM FOR WAREHOUSE'S NORMAL OPERATION AS REQUIRED. TEMPORARY POWER SOURCES INCLUDE GENERATOR SET, POWER COMPANY'S TEMPORARY SERVICE HOOKUP, ETC.

PROVIDE METAL SHEET PAN UNDER ALL FREE STANDING ELECTRICAL PANEL. E.C. TO PROVIDE NEW TYPED INDEX FOR EXISTING PANELS AFFECTED BY THIS REMODEL. TURN 'OFF' ALL SPARE BREAKERS AND PROVIDE 'SPARE' LABEL



SCALE: 1/4" = 1'-0"

AND LEGEND SCHEDULES

Inc.







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