	G			
PROJECT DIRECTORY	DRAWING INDEX			
OWNER       COSTCO WHOLESALE         999 LAKE DRIVE       100 NEXAUVAL         ISSAQUAH, WA 98027       1: 425.313.8100         ARCHITECT       MG2 CORPORATION         1101 SECOND AVENUE       SUITE 100         SEATTLE, WA 98101       1: 206.962.6500         f: 206.962.6499       f: 206.962.6499	TS101       TITLE SHEET         ARCHITECTURAL         G101       EGRESS PLAN AND CODE DATA         G202       EXISTING ACCESSIBILITY FEATURES AND DETAILS         G203       CAL GREEN         G204       CAL GREEN         G205       CAL GREEN         A101       OVERALL FLOOR PLAN         A502       ENLARGED FLOOR PLANS         A502.1       ENLARGED MEZZANINE PLANS         A502.2       SECTIONS, ELEVATIONS, AND DETAILS			
STRUCTURAL ENGINEER       ENGINEERS NORTHWEST         9725 THIRD AVE. N.E., SUITE 207         SEATTLE, WA 98115         T: 206.525.7560         F: 206.522.6698	A601 DETAILS, DOOR AND FINISH SCHEDULES STRUCTURAL S1.1 GENERAL NOTE S2.1 PARTIAL MEZZANINE FOUNDATION, FLOOR & ROOF FRAMING PLANS S2.2 MEZZANINE FRAMING SECTIONS S2.3 OFFICE FRAMING SECTIONS MECHANICAL			
MECHANICAL, T.E., INC. ELECTRICAL, AND 830 N. RIVERSIDE DRIVE PLUMBING ENGINEER SUITE 200 RENTON, WA 98055 T: 425.970.3753 F: 425.970.3756	MECHANICAL M-1 MECHANICAL PLANS, SCHEDULES, NOTES, LEGENDS, AND DETAILS PLUMBING P-1 PLUMBING PLANS, SCHEDULES, LEGEND, DETAIL, AND NOTES ELECTRICAL E-0 TITLE 24 E-1 PARTIAL FLOOR PLAN, LIGHTING FIXTURE SCHEDULE, PARTIAL ONE LINE DIAGRAM, DETAIL, LEGEND AND NOTES			
SCOPE OF WORK	E-2 LOCKER ROOM AND MEZZANINE POWER AND LIGHTING PLANS, PANEL SCHEDULE, AND NOTES PROJECT DATA			
DEMOLISH EXISTING LOCKER ROOM WALLS, CASEWORK AND EQUIPMENT. REMODEL EXISTING LOCKER ROOM AND CONSTRUCT NEW LOCKER ROOM MEZZANINE WALLS, STAIRS, CASEWORK, AND EQUIPMENT. REMODEL EXISTING MPU (MERCHANDISE PICK UP) ROOM. WORK TO INCLUDE DEMO EXISTING FENCING AND CONSTRUCT NEW WALL, AND DOOR. WORK TO INCLUDE STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL. EXISTING LOCKER ROOM : 829 SQ.FT. PROPOSED LOCKER ROOM MEZZANINE ADD: 828 SQ.FT. EXISTING MPU (MERCHADISE PICK UP): 345 SQ.FT. TOTAL: 2,002 SQ.S.F.	PROJECT ADDRESS:       7095 MARKET PLACE DR. GOLETA, CA 93117         ZONING:       COMMERCIAL         SITE AREA:       13.86 ACRES ( 603,902S.F.)         JURISDICTION:       SANTA BARBARY COUNTY         SETBACKS:       60'-0"         EXIST. BUILDING DATA:       131,531 S.F.         BUILDING AREA       131,531 S.F.         TIRE CENTER       5,378 S.F.         FOOD SERVICE       1,159 S.F.         TOTAL BUILDING       138,068 S.F.			
DEFERRED SUBMITTALS	EXISTING PARKING PROVIDED: (UNCHANGED)(#)10' WIDE STALLS(#)9' WIDE STALLS292 STALLS			
PLANS FOR FIRE SPRINKLER, FIRE ALARM, AND FIRE MONITORING SHALL BE SUBMITTED SEPARATELY	Image: Accessible stalls       15 (3 VAN) STALLS         TOTAL EXISTING PARKING       738 STALLS         NO. OF STALLS PER 1000 S.F.       5.41 STALLS         OF BUILDING AREA:       5.41 STALLS         PARKING NEEDED TO MAINTAIN 5.0 / 1000 S.F.:       688 STALLS         NOTES: EXISTING CONDITIONS TO BE FIELD VERIFIED.       VERIFIED.			
CODE ANALYSIS	VICINITY MAP			
APPLICABLE BUILDING CODES: 2019 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE 2019 CALIFORNIA BUILDING CODE 2019 CALIFORNIA ELECTRICAL CODE 2019 CALIFORNIA PLUMBING CODE 2019 CALIFORNIA PLUMBING CODE 2019 CALIFORNIA FIRE CODE 2019 CALIFORNIA EXISTING BUILDING CODE 2019 CALIFORNIA EXISTING BUILDING CODE 2019 CALIFORNIA EXISTING BUILDING STANDARDS CODE 2019 CALIFORNIA REFERENCE STANDARDS CODE 2019 CALIFORNIA REFERENCE STANDARDS CODE 2019 CALIFORNIA REFERENCE STANDARDS CODE <u>OCCUPANCY CLASSIFICATION:</u> NON-SEPARATED USES - GROUP 'M' (MERCANTILE) NO OCCUPANCY SEPARATIONS REQUIRED <u>BUILDING HEIGHT AND NUMBER OF STORIES:</u> ALLOWABLE: 40 - 1 STORY ACTUAL: 32-8' - 1 STORY <u>TYPE OF CONSTRUCTION:</u> TYPE V-B <u>TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS:</u> TYPE V-B STRUCTURAL FRAME	RD. CATHEDRAL OAKS HIGHWAY 101 PHELPS RD. SITE PACIFIC OCEAN RD. HOLLISTER AVE. HOLLISTER AVE. HOLLISTER AVE. HOLLISTER AVE. SANTA BARBARA MUNICIPAL AIRPORT SANTA BARBARA AIRPORT CATHEDRAL SANTA BARBARA AIRPORT CATHEDRAL SANTA BARBARA AIRPORT CATHEDRAL SANTA BARBARA AIRPORT CATHEDRAL SANTA BARBARA AIRPORT CATHEDRAL SANTA BARBARA AIRPORT CATHEDRAL SANTA BARBARA CATHEDRAL			
ARCHITECTURAL SYMBOLS	ARCHITECTURAL ABBREVIATIONS			
SYMBOLS       DETAIL       DETAIL IDENTIFICATION       NEW CONSTRUCTION - SHOWN SOLID         ITEM SIO OR NIC       DETAILED ELEMENT       ITEM SIO OR NIC       ITEM SIO OR NIC         ITEM SIO OR NIC       ITEM SIO OR NIC       ITEM SIO OR NIC       ITEM SIO OR NIC         ITEM SIO OR NIC       ITEM SIO OR NIC       ITEM SIO OR NIC       ITEM SIO OR NIC         ITEM SOIC OR SIC       ITEM SOIC OR SIC       EXISTING CONSTRUCTION TO REMAIN-SHOWN LIGHT BACKGROUND         ITEM SOIC OR SIC       DETAILED ELEMENT       ITEM SOIC OR SIC       EXISTING CONSTRUCTION TO REMAIN-SHOWN LIGHT BACKGROUND         ITEM SOIC OR SIC       DETAILED ELEMENT       ITEM SOIC OR SIC       EXISTING CONSTRUCTION TO REMAIN-SHOWN LIGHT BACKGROUND         ITEM SOIC OR SIC       DETAILED ELEMENT       DETAILED ELEMENT       EXISTING CONSTRUCTION TO BE         ITEM SOIC OR SIC       ITEM SOIC OR SIC       EXISTING CONSTRUCTION TO BE         ITEM SOIC OR SIC       METAIL IDENTIFICATION       EXISTING CONSTRUCTION TO BE         ITEM SOIC OR SIC       METAIL IDENTIFICATION       ITEM SOIC OR SIC         ITEM SOIC OR SIC       METAIL IDENTIFICATION       METAIL IDENTIFICATION         ITEM SOIC OR SIC       METAIL IDENTIFICATION       ITEM SOLE         ITEM SOLE OR SCHEDULE       ITEM SOLE       METAIL IDENTIFICATION         ITEM SOLE OR SCHEDULE <td>FOR ADDITIONAL ABBREVIATIONS: SEE OTHER DESIGN DISCIPLINES AND A601         AFF       ABOVE FINISHED FLOOR (SLAB)       RCP       REFLECTED CEILING PLAN         BFF       BELOW FINISHED FLOOR (SLAB)       RD       ROOF DRAIN         BOT       BOTTOM       RL       RAIN LEADER         CL       CENTER LINE       REFRIG       REFRIGERATION         CLR       CLEAR       SIO       SUPPLIED AND INSTALLED BY OWNER         CLG       CEILING       SIV       SUPPLIED AND INSTALLED BY VENDOR         CMU       CONCRETE MASONRY UNIT       SOIC       SUPPLIED AND INSTALLED BY VENDOR         COL       COLUMN       CONTRACTOR       CONTRACTOR         CONC       CONCRETE       SOIV       SUPPLIED ON WINER INSTALLED BY VENDOR         EA       EACH       SQ       SQUARE         ELEV       ELEVATION       SS       SERVICE SINK, SANITARY SEWER         EQ       EQUAL       SST       STANDARD         FF       FACTORY FINISH       STL       STEEL         FRP<fiber panel(s)<="" plastic="" reinforced="" td="">       STRUCT       STRUCTURE, STRUCTURAL         FRT       FIRE RETARDANT TREATED       TOJ       TOP OF PARAPET         FOF       FINSH TO FINISH FACE       TOM       TOP OF PARAPET     &lt;</fiber></td>	FOR ADDITIONAL ABBREVIATIONS: SEE OTHER DESIGN DISCIPLINES AND A601         AFF       ABOVE FINISHED FLOOR (SLAB)       RCP       REFLECTED CEILING PLAN         BFF       BELOW FINISHED FLOOR (SLAB)       RD       ROOF DRAIN         BOT       BOTTOM       RL       RAIN LEADER         CL       CENTER LINE       REFRIG       REFRIGERATION         CLR       CLEAR       SIO       SUPPLIED AND INSTALLED BY OWNER         CLG       CEILING       SIV       SUPPLIED AND INSTALLED BY VENDOR         CMU       CONCRETE MASONRY UNIT       SOIC       SUPPLIED AND INSTALLED BY VENDOR         COL       COLUMN       CONTRACTOR       CONTRACTOR         CONC       CONCRETE       SOIV       SUPPLIED ON WINER INSTALLED BY VENDOR         EA       EACH       SQ       SQUARE         ELEV       ELEVATION       SS       SERVICE SINK, SANITARY SEWER         EQ       EQUAL       SST       STANDARD         FF       FACTORY FINISH       STL       STEEL         FRP <fiber panel(s)<="" plastic="" reinforced="" td="">       STRUCT       STRUCTURE, STRUCTURAL         FRT       FIRE RETARDANT TREATED       TOJ       TOP OF PARAPET         FOF       FINSH TO FINISH FACE       TOM       TOP OF PARAPET     &lt;</fiber>			



## INDEX

PROJECT GENERAL NOTES GENERAL NOTES

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. CONSULT DRAWINGS OTHER THAN ARCHITECTURAL DRAWINGS FOR ADDITIONAL GENERAL NOTES, ABBREVIATIONS AND SYMBOLS. CONDITIONS AND DIMENSIONS SHOWN ON SITE PLANS ARE FROM A SURVEY PREPARED BY OTHERS OR FROM AVAILABLE 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. a. THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL EXISTING UNDERGROUND AND ABOVE GROUND UTILITIES.

b. VERIFY ALL INVERT ELEVATIONS AT POINTS OF CONNECTIONS OF NEW WORK PRIOR TO STARTING ANY WORK. c. EXISTING UTILITIES SHOWN HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE ONLY. d. IF NECESSARY TO COMPLETE THE WORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY ADDITIONAL UTILITY LOCATIONS

AND SIZES NOT SHOWN. THE CONTRACTOR SHALL TAKE ALL POSSIBLE CARE TO AVOID DAMAGE OR DISTURBANCE TO EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR REPAIRING ANY CONTRACTOR-CAUSED DAMAGE TO THE UTILITIES. SUCH REPAIRS SHALL BE DONE AT THE CONTRACTOR'S EXPENSE AND IN SUCH

A MANNER AS TO BE LEAST-DISRUPTIVE AS POSSIBLE TO THE OWNER'S OPERATIONS. DO NOT SCALE THE DRAWINGS TO OBTAIN DIMENSIONS. WRITTEN DIMENSIONS GOVERN. USE ACTUAL FIELD MEASUREMENTS. DIMENSIONS ARE TO/FROM THE:

a. CENTERLINE OF INTERIOR COLUMNS. b. GRID LINES ADJACENT TO THE EXTERIOR WALL (FACE OF THE COLUMN CLOSEST TO THE EXTERIOR WALL IS THE GRID LINE) c. EDGE OR CENTERLINE OF OPENINGS AS INDICATED. d. FACE OF STUDS.

e. FACE OF CONCRETE OR MASONRY (NOMINAL) ALL HEIGHTS ARE DIMENSIONED FROM THE TOP OF THE SLAB (ALSO NOTED AS FINISHED FLOOR OR INDICATED BY

THE "DATUM" SYMBOL) UNLESS NOTED OTHERWISE. ALL DIMENSIONS NOTED "CLEAR" SHALL BE MAINTAINED AND SHALL ALLOW FOR THE THICKNESS OF ALL FINISHES INCLUDING

CARPETING, TILE, WAINSCOT AND TRIM. h. ALL DOORS NOT LOCATED BY DIMENSIONS ON PLANS OR DETAILS SHALL BE LOCATED SO THE EDGE OF THE DOOR OPENING IS 6-INCHES AWAY FROM THE FACE OF ANY ADJOINING INTERSECTING WALL 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. VERIEVAL ROUGH-IN DIMENSIONS FOR FOUIPMENT FURNISHED AND/OR INSTALLED BY THE CONTRACTOR SUBCONTRACTORS OWNER OF OTHERS.

. THE CONTRACTOR SHALL CONSULT DRAWINGS OF ALL TRADES FOR OPENINGS THROUGH SLABS, WALLS, CEILINGS AND ROOFS FOR DUCTS, PIPES, CONDUIT, CABINETS, EQUIPMENT, ETC, AND SHALL VERIFY THE SIZES AND LOCATIONS WITH SUBCONTRACTORS. PLACE NO OBSTRUCTIONS, INCLUDING MAINS, PIPING, CONDUIT, ETC. OF ANY KIND SO AS TO IMPAIR GIVEN CEILING HEIGHTS AND CLEARANCES. RUN PIPING, CONDUITS, ETC. IN JOIST DEPTH. DO NOT RUN BELOW SKYLIGHTS.

ALL CONDUITS, PIPING, ETC, SHALL RUN PARALLEL OR PERPENDICULAR TO WALLS: DO NOT RUN AT AN ANGLE TO THE

IN ROOMS OR SPACES SCHEDULED TO RECEIVE WALL AND/OR CEILING FINISHES, DO NOT RUN EXPOSED CONDUITS,

PIPING, ETC. ON WALLS OR CEILINGS. 4. ALL WORK IS TO BE PLUMB, LEVEL, TRUE TO LINE, AND STRAIGHT.

5. ALL JOINTS ARE TO BE TIGHT, STRAIGHT, EVEN, AND SMOOTH. 3. ALL MATERIAL IS NEW UNLESS NOTED OTHERWISE.

PROVIDE ALL FASTENERS AND CONNECTIONS (WHETHER INDICATED OR NOT) NECESSARY TO ASSEMBLE THE WORK. PROVIDE SOLID BLOCKING/BACKING FOR ALL WALL MOUNTED FIXTURES AND EQUIPMENT INCLUDING, BUT NOT LIMITED TO, SINKS, WALL BRACKETS AND WALL-HUNG ITEMS.

PREPARE SURFACE AND REMOVE SURFACE FINISHES TO PROVIDE FOR PROPER INSTALLATION ON NEW WORK AND FINISHES. COMPLY WITH MANUFACTURER'S INSTALLATION REQUIREMENTS. REPAIR, PATCH, OR REPLACE PORTIONS OF WORK THAT ARE DAMAGED, LIFTED, DISCOLORED, OR SHOWING OTHER

IMPERFECTIONS. PENETRATIONS OF RATED ASSEMBLIES SHALL BE SEALED WITH AN APPROVED MATERIAL AS APPROVED BY THE

JURISDICTION. CONSTRUCTION ACTIVITIES SHALL NOT AFFECT THE OWNER'S OPERATIONS. LOUD ACTIVITIES (JACK-HAMMERING SAW-CUTTING, ETC.) AND ANY WORK REQUIRING INTERRUPTIONS OF UTILITIES (WATER, ELECTRICITY, GAS, FIRE

SPRINKLERS/ALARM, SEWER, ETC.) SHALL BE PERFORMED DURING NON-BUSINESS HOURS AS APPROVED BY THE OWNER. ENSURE UNINTERRUPTED SECURITY AND PHONE SYSTEMS OPERATION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOBSITE SAFETY AND SHALL PROVIDE ALL NECESSARY BARRICADES,

SIGNS, REFLECTORS, LIGHTS, ETC. TO PROPERLY IDENTIFY AREAS CLOSED TO THE PUBLIC AND FOR PROVIDING SAFETY ALERTS DURING CONSTRUCTION.

ALL WORK IS TO COMPLY WITH THE APPLICABLE CODES. NO PART OF THE CONTRACT DOCUMENTS MAY BE CONSTRUED TO REQUIRE OR PERMIT WORK CONTRARY TO A GOVERNING REGULATION. PROVIDE SEALANT AND BACKER ROD ALL AROUND EXTERIOR WALL PENETRATIONS (CONDUITS, FIXTURES, ETC.) AND OPENINGS (DOOR FRAMES,

WINDOWS, ETC.). THE CONTRACTOR SHALL CONFIRM IF CONCRETE SLABS ARE POST-TENSIONED. IF ANY SLAB IS POST-TENSIONED, THE CONTRACTOR SHALL ACCURATELY LOCATE TENDONS, CONDUITS, PIPES, ETC. USING NON-DESTRUCTIVE TESTING METHODS SUCH AS IMAGING, INDUCED CURRENT METAL DETECTOR, ETC. AS RECOMMENDED BY THE POST-TENSIONING INSTITUTE. IF ANY PROPOSED PENETRATION IS IN CONFLICT WITH

DEMOLITION AND REMODEL CONSTRUCTION GENERAL NOTES THE BUILDING WILL BE OCCUPIED AND IN FULL USE BY THE OWNER DURING CONSTRUCTION.

TENDONS, ETC., IMMEDIATELY NOTIFY THE ARCHITECT PRIOR TO PERFORMING ANY WORK.

CONSTRUCTION THAT MAY AFFECT THE PUBLIC SHALL BE DONE DURING OFF-HOURS AREAS OF DEMOLITION SHALL INCLUDE, BUT ARE NOT LIMITED TO, ANY STRUCTURAL, PLUMBING, ELECTRICAL, MECHANICAL, FIRE SPRINKLER, ETC. ITEMS NECESSARY TO COMPLETE THE DEMOLITION WORK. THE CONTRACTOR IS TO REMOVE ALL WALLS, BOLLARDS, MISC. STEEL, PLUMBING, ELECTRICAL, RAISED CONCRETE SLAB, CURBS, REBARS, ETC. ASSOCIATED WITH DEMOLITION OF AREAS SHOWN. ALL REMOVED ITEMS NOT DESIGNATED FOR REUSE SHALL BE OFFERED IN GOOD CONDITION TO THE OWNER. DURING THE BIDDING PERIOD,

COORDINATE AND VERIFY WITH THE OWNER AS TO WHICH ITEMS ARE TO BE SALVAGED. DO NOT INTERRUPT ANY SERVICES (WATER, PLUMBING, FIRE SPRINKLER, ETC.) WITHOUT PRIOR WRITTEN APPROVAL OF THE OWNER. MAINTAIN FIRE SPRINKLER AND FIRE ALARM SYSTEM IN OPERATING CONDITION AT ALL TIMES. NOTIFY THE OWNER AND COORDINATE AT LEAST 48-HOURS BEFORE PARTIALLY OR COMPLETELY DISABLING THE FIRE SPRINKLER OR FIRE ALARM SYSTEMS. PROVIDE FIRE-WATCH AS REQUIRED BY

THE JURISDICTION. PROVIDE AND MAINTAIN EGRESS PATHS THROUGHOUT CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, EXIT SIGNS, LIGHTING, FIRE SPRINKLERS, ETC. OBTAIN FIRE MARSHAL APPROVAL PRIOR TO CLOSING ANY EGRESS OPENINGS AND/OR EGRESS PATHS DURING DEMOLITION/CONSTRUCTION. THE CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES WITHIN PROXIMITY OF THE WORK AREA PRIOR TO EXCAVATION. EXISTING UTILITIES SHOWN HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE ONLY. VERIFY ALL INVERT ELEVATIONS AT POINTS OF CONNECTIONS OF NEW WORK TO EXISTING PRIOR TO STARTING ANY WORK.

PROVIDE TEMPORARY DUST PARTITIONS AS REQUIRED TO PREVENT DUST AND DEBRIS FROM SETTLING ON ADJACENT AREAS NOT UNDER CONSTRUCTION. REVIEW WITH AND OBTAIN OWNER'S APPROVAL FOR LOCATIONS. CAP ALL UTILITIES AND DRAIN LINES BELOW THE FLOOR AS REQUIRED. CONTRACTOR IS RESPONSIBLE FOR FLOOR PATCHING.

THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING ITEMS DAMAGED DURING DEMOLITION AND CONSTRUCTION. WHEN CUTTING AND PATCHING, THE CONTRACTOR SHALL USE METHODS LEAST LIKELY TO DAMAGE ELEMENTS RETAINED OR ADJOINING SURFACES. CUT HOLES AND SLOTS AS SMALL AS PRACTICAL/POSSIBLE, NEATLY TO SIZE REQUIRED AND WITH MINIMUM DISTURBANCES OF

ADJACENT MATERIALS. WHERE EXISTING CONSTRUCTION IS REMOVED, CUT OR OTHERWISE DISTURBED, PATCH TO MATCH THE EXISTING ADJACENT SURFACES. SEAMS TO BE AS INVISIBLE AS PRACTICAL. REPAIRED FINISHES SHALL BE EXTENDED TO THE NEAREST VISUAL BREAK LINES SUCH AS CORNERS, CEILING LINES, TOP OF BASE, ETC.

WHERE NEW WORK ABUTS OR ALIGNS WITH EXISTING, PERFORM A SMOOTH AND EVEN TRANSITION. PATCHED WORK TO MATCH EXISTING ADJACENT WORK IN TEXTURE AND APPEARANCE.

REMOVE AND REPLACE AREAS, SURFACES OR ITEMS THAT CANNOT BE SATISFACTORILY PATCHED. AS A MINIMUM. THE LEVEL OF WORKMANSHIP SHOULD MATCH THE GENERAL LEVEL OF EXISTING WORKMANSHIP

WHERE REQUIRED, TRIM EXISTING WOOD DOORS AS NECESSARY TO CLEAR FLOORING. SEAL CUT EDGES. . UNLESS SHOWN ON THE DRAWINGS OTHERWISE, DO NOT SUPPORT OR SUSPEND ITEMS, EQUIPMENT, HANGERS, ETC. FROM EXISTING STRUCTURAL MEMBERS (BEAMS, TRUSSES, JOIST, ETC.) WITHOUT WRITTEN APPROVAL OF A LICENSED STRUCTURAL ENGINEER. . 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 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.

24. ALL WORK IS TO COMPLY WITH THE APPLICABLE CODES. NO PART OF THE CONTRACT DOCUMENTS MAY BE CONSTRUED TO REQUIRE OR PERMIT WORK CONTRARY TO A GOVERNING REGULATION. 5. PROVIDE SEALANT AND BACKER ROD ALL AROUND EXTERIOR WALL PENETRATIONS (CONDUITS, FIXTURES, ETC.) AND OPENINGS (DOOR FRAMES,

WINDOWS, ETC.). 6. THE CONTRACTOR SHALL CONFIRM IF CONCRETE SLABS ARE POST-TENSIONED. IF ANY SLAB IS POST-TENSIONED, THE CONTRACTOR SHALL ACCURATELY LOCATE TENDONS, CONDUITS, PIPES, ETC. USING NON-DESTRUCTIVE TESTING METHODS 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 PERFORMING ANY WORK.

OPERATIONAL PHASING NOTES THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION PHASING SO AS NOT TO IMPACT THE OWNER'S OPERATIONS. 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.











NATHAN D.

MENARD

C-27019

RENEWA

02/28/2023









G101











Y N/A	RESPON. PARTY Y	RESPON. PARTY	RESPON. PARTY
CHAPTER 3 GREEN BUILDING	5.106.2 STORMWATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB ONE OR MORE ACRES OF         LAND. Comply with all lawfully enacted stormwater discharge regulations for projects that (1) disturb one acre or         more of land, or (2) disturb less than one acre of land but are part of a larger common plan of development sale.	<ol> <li>Where there is insufficient electrical supply.</li> <li>Where there is evidence suitable to the local enforcing agency substantiating that</li> </ol>	<ul> <li>5.106.12 SHADE TREES [DSA-SS]. Shade Trees shall be planted to comply with Sections 5.106.12.1, and 5.106.12.3. Percentages shown shall be measured at noon on the summer solstice. Landscape necessary to establish and maintain tree health shall comply with Section 5.304.6.</li> </ul>
<ul> <li>SECTION 301 GENERAL</li> <li>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,</li> </ul>	<b>Note:</b> Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board or the Lahontan Regional Water Quality Control Board (for projects in the Lake Tahoe Hydrologic Unit).	additional local utility intrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.	<ul> <li>5.106.12.1 Surface parking areas. Shade tree plantings, minimum #10 container size or equal, sl to provide shade over 50 percent of the parking area within 15 years.</li> <li>Exceptions: The surface parking area covered by solar photovoltaic shade structures, or equal structures.</li> </ul>
but are not required unless adopted by a city, county, or city and county as specified in Section 101.7. <b>301.3 NONRESIDENTIAL ADDITIONS AND ALTERATIONS. [BSC-CG]</b> 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 Duilding Standarda Commission). Code applications relevant to additions and	The NPDES permits require postconstruction runoff (post-project hydrology) to match the preconstruction runoff (pre-project hydrology) with the installation of postconstruction stormwater management measures. The NPDES permits emphasize runoff reduction through on-site stormwater use, interception, evapotranspiration, and infiltration through nonstructural controls, such as Low Impact Development (LID) practices, and conversation design measures.	TOTAL NUMBER OF PARKING SPACES     NUMBER OF REQUIRED SPACES       0-9     0       10-25     1	<ul> <li>structures, with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, included in the total area calculations.</li> <li>5.106.12.2 Landscape areas. Shade tress plantings, minimum #10 container size or equal shall provide shade of 20% of the landscape area within 15 years.</li> </ul>
A code section will be designated by a banner to indicate where the code section only applies to newly	Refer to the current applicable permits on the State Water Resources Control Board website at: www.waterboards.ca.gov/constructionstormwater. Consideration to the stormwater runoff management measures	26-50         2           51-75         4           76-100         5	<b>Exceptions:</b> Playfields for organized sport activity are not included in the total area ca <b>5.106.12.3. Hardscape areas.</b> Shade tree plantings, minimum #10 container size or equal shal provide shade over 20 percent of the hardscape area within 15 years.
301.3.1 Nonresidential additions and alterations that cause updates to plumbing fixtures only:	5.106.4 BICYCLE PARKING. For buildings within the authority of California Building Standards Commission as specified in Section 103, comply with Section 5, 106, 4, 1. For buildings within the authority of the Division of the State	101-150         7           151-200         10	<b>Exceptions:</b> Walks, hardscape areas covered by solar photovoltaic shade structures, areas covered by shade structures with roofing materials that comply with Table A5.10 Appendix A5, are not included in the total area calculation.
<b>Note:</b> 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 <i>et seq.</i> for definitions, types of commercial real property affected, effective dates, circumstances necessitating replacement of pancompliant plumbing fixtures, and duties and responsibilities for	Architect pursuant to Section 105, comply with Section 5.106.4.1. For buildings within the authority of the Division of the State <b>5.106.4.1 Bicycle parking. [BSC-CG]</b> Comply with Sections 5.106.4.1.1 and 5.106.4.1.2; or meet the applicable local ordinance, whichever is stricter.	201 AND OVER       6% of total <sup>1</sup> 1. Calculation for spaces shall be rounded up to the nearest whole number.         5 106 5 3 4 [N]. Identification. The service panel or subpanel(s) circuit directory shall identify the	DIVISION 5.2 ENERGY EFFICIENCY SECTION 5.201 GENERAL
<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> </ul>	<b>5.106.4.1.1 Short-term bicycle parking.</b> If the new project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' 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.	reserved overcurrent protective device space(s) for future EV charging as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE". <b>5.106.5.3.5 [N]</b> Future charging spaces qualify as designated parking as described in Section 5.106.5.2 Designated parking for clean air vehicles.	5.201.1 Scope [BSC-CG]. California Energy Code [DSA-SS]. For the purposes of mandatory energy standards in this code, the California Energy Commission will continue to adopt mandatory building a DIVISION 5.3 WATER EFFICIENCY AND CONSERVAT
01.4 PUBLIC SCHOOLS AND COMMUNITY COLLEGES. (see GBSC) 01.5 HEALTH FACILITIES. (see GBSC) ECTION 302 MIXED OCCUPANCY BUILDINGS	<b>Exception:</b> Additions or alterations which add nine or less visitor vehicular parking spaces. <b>5.106.4.1.2 Long-term bicycle parking.</b> 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.	5.106.8 LIGHT POLLUTION REDUCTION. [N].I Outdoor lighting systems shall be designed and installed to comply     with the following:	<ul> <li>SECTION 5.301 GENERAL</li> <li>5.301.1 Scope. The provisions of this chapter shall establish the means of conserving water use include and in wastewater conveyance.</li> <li>SECTION 5.302 DEFINITIONS</li> </ul>
<b>02.1 MIXED OCCUPANCY BUILDINGS.</b> In mixed occupancy buildings, each portion of a building shall comply with the specific green building measures applicable to each specific occupancy.	<b>5.106.4.1.3</b> 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.	<ol> <li>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>Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8);</li> <li>Uplight and Glare ratings as defined in California Energy Code (shown in Tables 130.2-A and 130.2-B in</li> </ol>	<ul> <li>5.302.1 Definitions. The following terms are defined in Chapter 2 (and are included here for reference</li> <li>EVAPOTRANSPIRATION ADJUSTMENT FACTOR (ETAF) [DSA-SS]. An adjustment factor when reference evapotranspiration that adjusts for plant factors and irrigation efficiency, which ae two major the amount of water that needs to be applied to the landscape.</li> </ul>
<b>03.1 PHASED PROJECTS.</b> 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.	<ul> <li>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.</li> <li>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 streat and shall must are softly for linear.</li> </ul>	Chapter 8) and 4. Allowable BUG ratings not exceeding those shown in Table 5.106.8, [N] or Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent. Exceptions: [N]	<b>FOOTPRINT AREA [DSA-SS].</b> The total area of the furthest exterior wall of the structure projected not including exterior areas such as stairs, covered walkways, patios and decks.
<b>303.1.1 Initial Tenant improvements.</b> 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.	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.	<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</li> </ol>	GRAYWATER.       Pursuant to Health and Safety Code Section 17922.12, "graywater" means untreated has not been contaminated by any toilet discharge, has not been affected by infectious, contaminated by disconter to the section of the se
BBREVIATION DEFINITIONS:         CD       Department of Housing and Community Development         SC       California Building Standards Commission         SA-SS       Division of the State Architect, Structural Safety         SHPD       Office of Statewide Health Planning and Development	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	Alternate materials, designs and methods of construction.  Note: [N]  1. See also California Building Code, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways	operating wastes, and does not present a threat nom containination by dimeating processing, manual operating wastes. "Graywater" includes, but is not limited to wastewater from bathtubs, showers, b washbasins, clothes washing machines and laundry tubs, but does not include waste water from ki dishwashers.
R     Low Rise       R     High Rise       A     Additions and Alterations       New	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	<ol> <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>	design, installation and maintenance practices that will ensure commercial, multifamily and other d landscapes greater than 2500 square feet meet an irrigation water budget developed based on lan climatological parameters.
CHAPTER 5	with a minimum of two staff bicycle parking spaces per new building. Acceptable bicycle parking facilities shall be convenient from the street or staff parking area and shall meet one of the following: 1. Covered, lockable enclosures with permanently anchored racks for bicycles; 2. Lockable bicycle rooms with permanently anchored racks; or	TABLE 5.106.8 [N]       MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT         AND GLARE (BUG) RATINGS 1,2	MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). [HCD] The California mode (California Code of Regulations, Title 23, Division 2, Chapter 2.7), regulating landscape design, ins maintenance practices. Local agencies are required to adopt the updated MWELO, or adopt a loca as effective as the MWELO.
IVISION 5.1       PLANNING AND DESIGN         ECTION 5.101       GENERAL         101.1 SCOPE       Image: Comparison of the second	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, for the designated parking for any combination of low-emitting, for the designated parking for any combination of low-emitting, for the designated parking for any combination of low-emitting, for the designated parking for any combination of low-emitting, for the designated parking for any combination of low-emitting, for the designated parking for any combination of low-emitting, for the designated parking for any combination of low-emitting, for the designated parking for any combination of low-emitting, for the designated parking for any combination of low-emitting, for the designated parking for any combination of low-emitting, for the designated parking for any combination of low-emitting, for the designated parking for any combination of low-emitting, for the designated parking for any combination of low-emitting, for the designated parking for any combination of low-emitting, for the designated parking for any combination of low-emitting, for the designated parking for any combination of low-emitting, for the designated parking for any combination of low-emitting for any	ALLOWABLE RATING LIGHTING ZONE LZ0 LIGHTING ZONE LZ1 LIGHTING ZONE LZ2 LIGHTING ZONE LZ4 MAXIMUM ALLOWABLE	<ul> <li>POTABLE WATER. Water that is drinkable and meets the U.S. Environmental Protection Agency Water Standards. See definition in the California Plumbing Code, Part 5.</li> <li>POTABLE WATER. [HCD] Water that is satisfactory for drinking, culinary, and domestic puroses, Environmental Protection Agency (EPA) Drinking Water Standards and the requirements of the Herein Protection Agency (EPA) Drinking Water Standards and the requirements of the Herein Protection Agency (EPA) Drinking Water Standards and the requirements of the Herein Protection Agency (EPA) Drinking Water Standards and the requirements of the Herein Protection Agency (EPA) Drinking Water Standards and the requirements of the Herein Protection Agency (EPA) Drinking Water Standards and the requirements of the Herein Protection Agency (EPA) Drinking Water Standards and the requirements of the Herein Protection Agency (EPA) Drinking Water Standards and the requirements of the Herein Protection Agency (EPA) Drinking Water Standards and the requirements of the Herein Protection Agency (EPA) Drinking Water Standards and the requirements of the Herein Protection Agency (EPA) Drinking Water Standards and the requirements of the Herein Protection Agency (EPA) Drinking Water Standards and the requirements of the Herein Protection Agency (EPA) Drinking Water Standards and the requirements of the Herein Protection Agency (EPA) Drinking Water Standards and the requirements of the Herein Protection Agency (EPA) Drinking Water Standards and the requirements of the Herein Protection Agency (EPA) Drinking Water Standards and the Protection Agency (EPA) Drinking</li></ul>
e provisions of this chapter outline planning, design and development methods that include environmentally sponsible site selection, building design, building siting and development to protect, restore and enhance the vironmental quality of the site and respect the integrity of adjacent properties.	TABLE 5.106.5.2 - PARKING	BACKLIGHT RATING 3       N/A       No Limit       No Limit       No Limit         Luminaire greater than 2 mounting heights (MH) from       N/A       No Limit       No Limit       No Limit         property line       N/A       No Limit       No Limit       No Limit       No Limit	Having Jurisdiction. <b>RECYCLED WATER.</b> Water which, as a result of treatment of waste, is suitable for a direct bene controlled use that would not otherwise occur [Water Code Section 13050 (n)]. Simply put, recycle
SECTION 5.102 DEFINITIONS .102.1 DEFINITIONS The following terms are defined in Chapter 2 (and are included here for reference)	TOTAL NUMBER OF PARKING SPACES     NUMBER OF REQUIRED SPACES       0-9     0       10-25     1	Luminaire back hemisphere is 1-2 MH from property line     N/A     B2     B3     B4     B4	treated to remove waste matter attaining a quality that is suitable to use the water again. <b>SUBMETER.</b> A meter installed subordinate to a site meter. Usually used to measure water inten such as landscape irrigation. For the purposes of CALGreen, a dedicated meter may be consider
CUTOFF LUMINAIRES. Luminaires whose light distribution is such that the candela per 1000 lamp lumens does not umerically exceed 25 (2.5 percent) at an angle of 90 degrees above nadir, and 100 (10 percent) at a vertical angle of 0 degrees above nadir. This applies to all lateral angles around the luminaire.	10-23     1       25-50     3       51-75     6	Luminaire back hemisphere is 0.5-1 MH from property line     N/A     B1     B2     B3     B3       Luminaire back hemisphere is less than 0.5 MH from property     N/A     B0     B0     B1     B2	<b>WATER BUDGET.</b> Is the estimated total landscape irrigation water use which shall not exceed th water allowance calculated in accordance with the Department of Water Resources Model Efficient Ordinance (MWELO).
<ul> <li>ligible vehicles are limited to the following:</li> <li>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</li> </ul>	76-100     8       101-150     11       151-200     16	line     MAXIMUM ALLOWABLE       UPLIGHT RATING (U)	SECTION 5.303 INDOOR WATER USE           5.303.1 METERS.         Separate submeters or metering devices shall be installed for the uses describ           503.1.1 and 503.1.2.
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.	201 AND OVER     AT LEAST 8% OF TOTAL	For area lighting 4     N/A     U0     U0     U0       For all other outdoor lighting including decorative     N/A     U1     U2     U3	<ul> <li>5.303.1.1 Buildings in excess of 50,000 square feet. Separate submeters shall be installed</li> <li>1. For each individual leased, rented or other tenant space within the building project more than 100 gal/day (380 L/day), including, but not limited to, spaces used for la rectaurant or feed service, medical or dental office, laboratory, or beauty salen or beauty salen or beauty salen.</li> </ul>
her in Section 385.5 of the Vehicle Code or in 49CFR571.500 (as it existed on July 1, 2000), and is certified to ro-emission vehicle standards.	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	Iuminaires       MAXIMUM ALLOWABLE       GLARE RATING 5 (G)	<ul> <li>Where separate submeters for individual building tenants are unfeasible, for wate following subsystems:         <ul> <li>Makeup water for cooling towers where flow through is greater than 500 gr</li> <li>Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s).</li> </ul> </li> </ul>
ANPOOL VEHICLE. Eligible vehicles are limited to any motor vehicle, other than a motortruck or truck tractor, esigned for carrying more than 10 but not more than 15 persons including the driver, which is maintained and used imarily for the popprofit work-related transportation of adults for the purpose of ridesharing.	Social Statistics Sector of the statistics	Luminaire greater than 2 MH from property lineN/AG1G2G3G4Luminaire front hemisphere is 1-2 MH from property lineN/AG0G1G1G2	c. Steam and hot water boilers with energy input more than 500,000 Btu/h (1 5.303.1.2 Excess consumption. A separate submeter or metering device shall be provide within a new building or within an addition that is projected to consume more than 1,000 gal
Note: Source: Vehicle Code, Division 1, Section 668         EV. Any vehicle certified to zero-emission standards.	When EVSE(s) is/are installed, it shall be in accordance with the <i>California Building Code</i> , the <i>California Electrical Code</i> and as follows: 5.106.5.3.1 Single charging space requirements. [N] When only a single charging space is	Luminaire front hemisphere is 0.5-1 MH from property line     N/A     G0     G0     G1     G1       Luminaire back hemisphere is     Image: Construction of the second s	5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water 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 a
ECTION 5.106 SITE DEVELOPMENT 106.1 STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN ONE ACRE F LAND. Newly constructed projects and additions which disturb less than one acre of land, and are not part of a rger common plan of development or sale, shall prevent the pollution of storm water runoff from the construction	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 <i>California Electrical Code</i> . Construction plans and specifications shall include, but are not limited to, the following:	Iess than 0.5 MH from property line       N/A       G0       G0       G0       G1         1. IESNA Lighting Zones 0 and 5 are not applicable; refer to Lighting Zones as defined in the California Energy Code and Chapter 10 of the California Administrative Code.       G0       G1	flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA Specification for Tank-Type toilets.
<ul> <li>5.106.1.1 Local ordinance. Comply with a lawfully enacted storm water management and/or erosion control ordinance.</li> </ul>	<ol> <li>The type and location of the EVSE.</li> <li>A listed raceway capable of accommodating a 208/240 -volt dedicated branch circuit.</li> <li>The raceway shall not be less than trade size 1".</li> <li>The raceway shall originate at a service panel or a subpanel serving the area, and shall</li> <li>The raceway shall originate at a service panel or a subpanel serving the area, and shall</li> </ol>	2. For property lines that abut public walkways, bikeways, plazas and parking lots, the property line may be considered to be 5 feet beyond the actual property line for purpose of determining compliance with this section. For property lines that abut public roadways and public transit corridors, the property line may be considered to be the centerline of the public roadway or public.	<ul> <li>5.303.3.2 Urinals.</li> <li>5.303.3.2.1 Wall-mounted Urinals. The effective flush volume of wall-mounted urina 0.125 gallons per flush.</li> </ul>
<b>5.106.1.2 Best Management Practices (BMPs).</b> Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMPs.	<ul> <li>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> </ul>	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.	<b>5.303.3.2.2 Floor-mounted Urinals.</b> The effective flush volume of floor-mounted or not exceed 0.5 gallons per flush.
<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> </ul>	<b>5.106.5.3.2 Multiple charging space requirements. [N]</b> 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 <i>California Electrical Code</i> . Construction plans and specifications shall include, but are not limited to, the following:	<ul> <li>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".</li> <li>5. If the page there are accurate to the page there are accurate to the page the</li></ul>	5.303.3.3 Snowerneads. [BSC-CG] 5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of r gallons per minute at 80 psi. Showerheads shall be certified to the performance crite WaterSense Specification for Showerheads.
<ul> <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>	<ol> <li>The type and location of the EVSE.</li> <li>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> </ol>	hemisphere of the luminaire distribution, the applicable reduced Glare rating shall be met.	<ul> <li>5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served showerhead, the combined flow rate of all the showerheads and/or other shower outle single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be 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>
<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:</li> </ul>	<ul> <li>3. Plan design shall be based upon 40-ampere minimum branch circuits.</li> <li>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.</li> <li>5. The service panel or subpanel(s) shall have sufficient capacity to accommodate the</li> </ul>	<ul> <li>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:</li> </ul>	
<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> </ul>	<ul> <li>5. The service panel of subpanel(s) shall have sufficient capacity to accommodate the required number of dedicated branch circuit(s) for the future installation of the EVSE.</li> <li>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.</li> </ul>	<ol> <li>Swales.</li> <li>Water collection and disposal systems.</li> <li>French drains.</li> <li>Water retention gardens.</li> <li>Other water measures which keep surface water away from buildings and aid in groundwater</li> </ol>	
<ul> <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>	<b>Exceptions:</b> 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:	recharge. Exception: Additions and alterations not altering the drainage path.	

# CODE es A

ARDS (CALGREEN) COL

August	2019	S	Su	pp	lement)	Y N/A RESPON. PARTY	= = =	YES NOT APPLICABLE RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)
		Y	N/A	RESPON. PARTY				
					5.106.12 SHADE TREES [DSA-SS]. Shade Tre	ees shall be planted to co	mply	with Sections 5.106.12.1, 5.106.12.2,
cy substantiating t ctly related to the	hat				and 5.106.12.3. Percentages shown shall b necessary to establish and maintain tree he	e measured at noon on th ealth shall comply with Sec	e sui xtion	mmer solstice. Landscape irrigation 5.304.6.
					<b>5.106.12.1 Surface parking areas.</b> Shade to provide shade over 50 percent of the part	tree plantings, minimum king area within 15 years.	#10 с	ontainer size or equal, shall be installed
JIRED SPACES					Exceptions: The surface parking structures, with roofing materials the included in the total area calculation	l area covered by solar ph hat comply with Table A5 ons.	otov .106.	oltaic shade structures, or shade 11.2.2 in Appendix A5, are not
					<b>5.106.12.2 Landscape areas.</b> Shade tress provide shade of 20% of the landscape area	s plantings, minimum #10 a within 15 years.	conta	ainer size or equal shall be installed to
					Exceptions: Playfields for organiz	zed sport activity are not	inclu	ded in the total area calculation.
					<b>5.106.12.3. Hardscape areas.</b> Shade tree provide shade over 20 percent of the hardso	e plantings, minimum #10 cape area within 15 years	conta	ainer size or equal shall be installed to
	_				<b>Exceptions:</b> Walks, hardscape at areas covered by shade structures Appendix A5, are not included in t	reas covered by solar pho s with roofing materials th he total area calculation.	otovo at co	Itaic shade structures, and hardscape mply with Table A5.106.11.2.2 in
otal <sup>1</sup>								
nber. it directory shall ic	lentify the				SECTION 5.201 GENERAL	FFICIENCY		
as "EV CÁPABLE CAPABLE".	E". The raceway				5.201.1 Scope [BSC-CG]. California Energy Co standards in this code, the California Energy Co	Code [DSA-SS]. For the pommission will continue to	ourpo ador	ises of mandatory energy efficiency ot mandatory building standards.
as described in Se	ection 5.106.5.2				DIVISION 5.3 WATER EF SECTION 5.301 GENERAL		) C	ONSERVATION
designed and insta	alled to comply				<b>5.301.1 Scope.</b> The provisions of this chapter s and in wastewater conveyance.	shall establish the means o	of coi	nserving water use indoors, outdoors
es 0-4 as defined i	n Chapter 10,				5.302.1 Definitions. The following terms are de	efined in Chapter 2 (and a	re ind	cluded here for reference)
apter 8); ables 130.2-A and	130.2-B in				reference evapotranspiration that adjusts for pla the amount of water that needs to be applied to	the landscape.	An ao ficier	icy, which ae two major influences on
Comply with a loc	al ordinance				<b>FOOTPRINT AREA [DSA-SS].</b> The total area of not including exterior areas such as stairs, cover	of the furthest exterior wal red walkways, patios and	l of th deck	ne structure projected to natural grade, s.
					<b>METERING FAUCET</b> . A self-closing faucet that volume or cycle duration can be fixed or adjusta	t dispenses a specific volu able.	ime d	of water for each actuation cycle. The
alifornia Energy Code.	ode, Part 6.				<b>GRAYWATER.</b> Pursuant to Health and Safety of has not been contaminated by any toilet dischar	Code Section 17922.12, " ge, has not been affected	gray\ by ir	water" means untreated wastewater that nfectious, contaminated, or unhealthy
is permitted by de					operating wastes, and does not present a threat not operating wastes. "Graywater" includes, but is r washbasins, clothes washing machines and lau	not limited to wastewater f ndry tubs, but does not inc	rom clude	bathtubs, showers, bathroom waste water from kitchen sinks or
llege campus light	ing				MODEL WATER EFFICIENT LANDSCAPE OR	RDINANCE (MWELO). Th	ie Ca	alifornia ordinance regulating landscape
nd alterations.					landscapes greater than 2500 square feet meet climatological parameters.	an irrigation water budget	i, mu i dev	eloped based on landscaped area and
UPLIGHT		]			MODEL WATER EFFICIENT LANDSCAPE OR (California Code of Regulations, Title 23, Divisio maintenance practices - Local agencies are regu	RDINANCE (MWELO). [Ho on 2, Chapter 2.7), regulati	CD] ing la	The California model ordinance andscape design, installation and
					as effective as the MWELO.	d meets the LLS. Environn		Protection Agency (EPA) Drinking
LIGHTING ZONE LZ3	LIGHTING ZONE LZ4				Water Standards. See definition in the California	a Plumbing Code, Part 5.	v 2n	d domestic puroses, and meets the U.S.
					Environmental Protection Agency (EPA) Drinking Having Jurisdiction.	g Water Standards and th	e rec	juirements of the Health Authority
No Limit	No Limit				<b>RECYCLED WATER.</b> Water which, as a result controlled use that would not otherwise occur [W treated to remove waste matter attaining a gual	of treatment of waste, is s Vater Code Section 13050	uitat (n)]	ble for a direct beneficial use or a Simply put, recycled water is water
B4	B4				SUBMETER. A meter installed subordinate to a	a site meter. Usually used	to m	easure water intended for one purpose,
В3	В3				WATER BUDGET. Is the estimated total landso	cape irrigation water use v	vhich	i shall not exceed the maximum applied
B1	B2				Ordinance (MWELO).	R USE	10300	
					<b>5.303.1 METERS.</b> Separate submeters or mete 503.1.1 and 503.1.2.	ering devices shall be insta	alled	for the uses described in Sections
U0	U0				5.303.1.1 Buildings in excess of 50,000 1. For each individual leased. rent	<b>) square feet.</b> Separate s	ubmo withir	eters shall be installed as follows: n the building projected to consume
U3	UR				more than 100 gal/day (380 L/da restaurant or food service, medi 2 Where separate submeters for	ay), including, but not limit ical or dental office, labora individual building tenants	ted to atory,	), spaces used for laundry or cleaners, or beauty salon or barber shop.
					following subsystems: a. Makeup water for coolin	ing towers where flow throu	igh is	greater than 500 gpm (30 L/s).
G3	G4				c. Steam and hot water bo	ilers with energy input mo	re tha	an 500,000 Btu/h (147 kW).
G1	G2				within a new building or within an addition	that is projected to const	j dev ime i	nore than 1,000 gal/day.
G1	G1				5.303.3 WATER CONSERVING PLUMBING FI urinals) and fittings (faucets and showerheads) s	XTURES AND FITTINGS shall comply with the follow	. Plu wing:	mbing fixtures (water closets and
G0	G1				<b>5.303.3.1 Water Closets.</b> The effective flush. Tank-type water closets shall be ce Specification for Tank-Type toilets.	flush volume of all water of ertified to the performance	lose: crite	is shall not exceed 1.28 gallons per ria of the U.S. EPA WaterSense
fined in the		-			<b>Note:</b> The effective flush volume of dual two reduced flushes and one full flush.	flush toilets is defined as t	the c	omposite, average flush volume of
, the property determining lic transit					5.303.3.2 Urinals. 5.303.3.2.1 Wall-mounted Urinals	s. The effective flush volu	me o	f wall-mounted urinals shall not exceed
adway or public		-			0.125 gallons per flush. 5.303.3.2.2 Floor-mounted Urinal	<b>Is.</b> The effective flush volu	ume	of floor-mounted or other urinals shall
e back nall be met.		-			not exceed 0.5 gallons per flush. 5.303.3.3 Showerheads. [BSC-CG]			
alue limits for					<b>5.303.3.3.1 Single showerhead.</b> gallons per minute at 80 psi. Show WaterSense Specification for Show	Showerheads shall have verheads shall be certified verheads.	a ma to th	ximum flow rate of not more than 1.8 e performance criteria of the U.S. EPA
e front be met.					5.303.3.3.2 Multiple showerheads showerhead, the combined flow rate	s serving one shower. V te of all the showerheads	Vhen and/(	a shower is served by more than one or other shower outlets controlled by a
					single valve shall not exceed 1.8 ga allow only one shower outlet to be <b>Note:</b> A hand-held shower shall be	allons per minute at 80 ps in operation at a time. e considered a showerhea	ı, or t ıd.	ne snower shall be designed to
ng or a drainage s nethods to manag	ystem will e surface water							
aid in groundwater								



	NATHA	AN D. MENARD, ARCHITECT
	017 ¥ SI	NATHAN D. MENARD C-27019 02/28/2028 RENEWAL DATE OF CALLED 12/09/2022
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	Y N/A RESP PAR		PARTY	
<ul> <li>5.303.3.4 Faucets and fountains.</li> <li>5.303.3.4.1 Nonresidential Lavatory faucets. Lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi.</li> </ul>		<b>SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT 5.407.1 WEATHER PROTECTION.</b> Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1402.2 (Weather Protection), manufacturer's installation instructions or local ordinance, whichever is more stringent.		5.410.2 COMMISSIONING. [N] New buildings 10,000 square and over, building commissioning shall be included in the desig verify that the building systems and components meet the own requirements. Commissioning shall be performed in accordance on projects of comparable size and complexity. For I-occupance Loccupancies and Loccupancies that are not regulated v the C
<b>5.303.3.4.2 Kitchen faucets.</b> Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.		<ul> <li>5.407.2 MOISTORE CONTROL. Employ moisture control measures by the following methods.</li> <li>5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures.</li> <li>5.407.2.2 Entries and openings. Design exterior entries and/or openings subject to foot traffic or wind-driven using to prevent water intension into buildings on following.</li> </ul>		<b>Note:</b> For energy-related systems under the scope (Section 10 ventilation, air conditioning (HVAC) systems and controls, independent of the scope (Section 20 ventilation) and controls and controls and controls.
<ul> <li>5.303.3.4.3 Wash fountains. Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute/20 [rim space (inches) at 60 psi].</li> <li>5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per cycle.</li> </ul>		<ul> <li>5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following:</li> </ul>		Commissioning requirements shall include: 1. Owner's or Owner representative's project requirem
<ul> <li>5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per minute/20 [rim space (inches) at 60 psi].</li> <li>Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.</li> </ul>		<ol> <li>An installed awning at least 4 feet in depth.</li> <li>The door is protected by a roof overhang at least 4 feet in depth.</li> <li>The door is recessed at least 4 feet.</li> <li>Other methods which provide equivalent protection.</li> </ol>		<ol> <li>Basis of design.</li> <li>Commissioning measures shown in the construction</li> <li>Commissioning plan.</li> <li>Functional performance testing.</li> <li>Documentation and training.</li> <li>Commissioning report.</li> </ol>
.303.4 COMMERCIAL KITCHEN EQUIPMENT.		<b>5.407.2.2.2 Flashing.</b> Install flashings integrated with a drainage plane.		Exceptions:
<b>5.303.4.1 Food Waste Disposers.</b> Disposers shall either modulate the use of water to no more than 1 gpm when the disposer is not in use (not actively grinding food waste/no-load) or shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water. <b>Note:</b> This code section does not affect local jurisdiction authority to prohibit or require disposer		SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND         RECYCLING         5.408.1 CONSTRUCTION WASTE MANAGEMENT. Recycle and/or salvage for reuse a minimum of 65% of the non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or		<ol> <li>Unconditioned warehouses of any size.</li> <li>Areas less than 10,000 square feet used for offices unconditioned warehouses.</li> <li>Tenant improvements less than 10,000 square feet</li> <li>Open parking garages of any size, or open parking</li> </ol>
installation. .303.5 AREAS OF ADDITION OR ALTERATION. For those occupancies within the authority of the California uilding Standards Commission as specified in Section 103, the provisions of Section 5.303.3 and 5.303.4 shall apply onew fixtures in additions or areas of alteration to the building.		meet a local construction and demolition waste management ordinance, whichever is more stringent. <b>5.408.1.1 Construction waste management plan.</b> Where a local jurisdiction does not have a construction and demolition waste management ordinance, submit a construction waste management plan that:		<b>Note:</b> For the purposes of this section, unconditioned s provide heating and or air conditioning.
<b>.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS.</b> Plumbing fixtures and fittings shall be installed accordance with the <i>California Plumbing Code</i> , and shall meet the applicable standards referenced in Table 1701.1 f the <i>California Plumbing Code</i> and in Chapter 6 of this code.		<ol> <li>Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale.</li> <li>Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).</li> <li>Identifies diversion facilities where construction and demolition waste material collected will be taken.</li> <li>Specifies that the amount of construction and demolition waste materials diverted shall be calculated</li> </ol>		<ol> <li>IAS AC 476 is an accreditation criteria for organizati commissioning personnel. AC 476 is available to th qualifications of commissioning personnel. AC 476 performance tests or to adjust and balance system</li> </ol>
<b>ECTION 5.304 OUTDOOR WATER USE</b> <b>304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS.</b> Nonresidential developments shall comply ith a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water ficient Landscape Ordinance (MWELO), whichever is more stringent.		by weight or volume, but not by both. 5.408.1.2 Waste Management Company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.		<ol> <li>Functional performance testing for heating, ventilati must be performed in compliance with the <i>Californi</i></li> <li>5.410.2.1 Owner's or Owner Representative's Projection</li> </ol>
<ul> <li>Notes:</li> <li>1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code of Regulations, Title 23, Chapter 2.7, Division 2.</li> <li>2. MWELO and supporting documents, including a water budget calculator, are available at: https://www.water.ca.gov/.</li> </ul>		<b>Note:</b> The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company. <b>Exceptions to Sections 5.408.1.1 and 5.408.1.2:</b>		requirements of the building appropriate to its phase sl project begins. This documentation shall include the fo 1. Environmental and sustainability goals. 2. Building sustainable goals. 3. Indoor environmental quality requirements.
<b>304.6 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS.</b> For public schools and community colleges, indscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of a ter Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter 7, Division 2, Title 23, California Code of Regulations, except that the evapotranspiration adjustment factor (ETAF) with an odditional water adjustment factor (ETAF).		<ol> <li>Excavated soil and land-clearing debris.</li> <li>Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.</li> <li>Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.</li> </ol>		<ol> <li>Project program, including facility functions a operation.</li> <li>Equipment and systems expectations.</li> <li>Building occupant and operation and mainte</li> </ol> 5.410.2.2 Basis of Design (BOD). [N] A written explain the explanation of the explanatio
Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the prescriptive measures contained in Appendix D of the MWELO.		<b>5.408.1.3 Waste stream reduction alternative.</b> The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65% minimum requirement as approved by the enforcing agency.		the OPR shall be completed at the design phase of the cover the following systems: 1. Renewable energy systems. 2. Landscape irrigation systems.
<ul> <li>5.304.6.1 Newly constructed landscapes. New construction projects with an aggregate landscape area equal to or greater than 500 square feet.</li> <li>5.304.6.2 Rehabilitated landscapes. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet.</li> </ul>		<ul> <li>5.408.1.4 Documentation. Documentation shall be provided to the enforcing agency which demonstrates compliance with Sections 5.408.1.1, through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.</li> <li>Notes:</li> </ul>		<ol> <li>Water reuse system.</li> <li>5.410.2.3 Commissioning plan. [N] Prior to permit is document how the project will be commissioned. The of 1. General project information.</li> </ol>
DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE		<ol> <li>Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located at www.bsc.ca.gov/Home/CALGreen.aspx may be used to assist in documenting compliance with the waste management plan.</li> <li>Mixed construction and demolition debris processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).</li> </ol>		<ol> <li>Commissioning goals.</li> <li>Systems to be commissioned. Plans to test s         <ul> <li>An explanation of the original design i</li> <li>Equipment and systems to be tested,</li> <li>Functions to be tested.</li> <li>Conditions under which the test shall</li> </ul> </li> </ol>
<b>ECTION 5.401 GENERAL</b> 401.1 SCOPE. The provisions of this chapter shall outline means of achieving material conservation and resource fficiency through protection of buildings from exterior moisture, construction waste diversion, employment of echniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting.		<b>5.408.2 UNIVERSAL WASTE. [A]</b> Additions and alterations to a building or tenant space that meet the scoping provisions in Section 301.3 for nonresidential additions and alterations, shall require verification that Universal Waste items such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited Universal Waste materials are disposed of properly and are diverted from landfills. A list of prohibited Universal Waste materials shall be included in the construction documents.		<ol> <li>Commissioning team information.</li> <li>Commissioning process activities, schedules commissioning shall be included.</li> <li>5.410.2.4 Functional performance testing. [N] Functional performance testing.</li> </ol>
SECTION 5.402 DEFINITIONS .402.1 DEFINITIONS. The following terms are defined in Chapter 2 (and are included here for reference)		Note:       Refer to the Universal Waste Rule link at: http://www.dtsc.ca.gov/LawsRegsPolicies/Regs/upload/OEAR-A_REGS_UWR_FinalText.pdf         5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS.       100 percent of trees, stumps, rocks and associated		approved plans and specifications. Functional perform each of the building components tested, the testing me made.
ALANCE. To proportion flows within the distribution system, including sub-mains, branches and terminals, coording to design quantities.		wegetation and soils resulting primarity from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed.         Exception: Reuse, either on or off-site, of vegetation or soil contaminated by disease or pest infestation.		<b>5.410.2.5 Documentation and training. [N]</b> A Syster including Occupational Safety and Health Act (OSHA) Title 8, Section 5142, and other related regulations.
<b>UILDING COMMISSIONING.</b> A systematic quality assurance process that spans the entire design and construction rocess, including verifying and documenting that building systems and components are planned, designed, installed, ested, operated and maintained to meet the owner's project requirements.		<ul> <li>Notes:</li> <li>1. If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material.</li> <li>2. For a map of know pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. (www.cdfa.ca.gov)</li> </ul>		<ul> <li>5.410.2.5.1 Systems manual. [N] Documentation completed within the systems manual and deliver systems manual shall include the following: <ol> <li>Site information, including facility desc</li> <li>Site contact information.</li> <li>Basic operations and maintenance, in</li> </ol> </li> </ul>
EST. A procedure to determine quantitative performance of a system or equipment		SECTION 5.410 BUILDING MAINTENANCE AND OPERATIONS 5.410.1 RECYCLING BY OCCUPANTS. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling		troubleshooting, recommended maint 4. Major systems. 5. Site equipment inventory and mainten 6. A copy of verifications required by the 7. Other resources and documentation, i
		ordinance, if more restrictive. <b>Exception</b> : Rural jurisdictions that meet and apply for the exemption in Public Resources Code 42649.82 (a)(2)(A) et seq. shall also be exempt from the organic waste portion of this section.		<b>5.410.2.5.2 Systems operations training. [N]</b> / staff for each equipment type and/or system sha report and shall include the following:
		<ul> <li>5.410.1.1 Additions. All additions conducted within a 12-month period under single or multiple permits, resulting in an increase of 30% or more in floor area, shall provide recycling areas on site.</li> <li>Exception: Additions within a tenant space resulting in less than a 30% increase in the tenant space floor area.</li> </ul>		<ul> <li>equipment it interfaces).</li> <li>2. Review and demonstration of servicing</li> <li>3. Review of the information in the System</li> <li>4. Review of the record drawings on the</li> </ul>
		<b>5.410.1.2 Sample ordinance.</b> Space allocation for recycling areas shall comply with Chapter 18, Part 3, Division 30 of the <i>Public Resources Code</i> . Chapter 18 is known as the California Solid Waste Reuse and Recycling Access Act of 1991 (Act).		<b>5.410.2.6 Commissioning report. [N]</b> A report of com design and construction phases of the building project representative.
		<b>Note:</b> A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's web site.		<b>5.410.4 TESTING AND ADJUSTING. New buildings less f</b> systems shall be required for new buildings less than 10,000 alteration subject to Section 303.1. <b>5.410.4.2 (Reserved)</b>
				<b>Note:</b> For energy-related systems under the scope (Se heating, ventilation, air conditioning (HVAC) systems a swater heating systems and controls, refer to Califor requirements and Sections 120.5, 120.6, 130.4, and 14 systems.
				<ul> <li>5.410.4.2 Systems. Develop a written plan of procedu included for testing and adjusting shall include at a min</li> <li>1. Renewable energy systems.</li> </ul>
				<ol> <li>Landscape irrigation systems.</li> <li>Water reuse systems.</li> </ol>
				<b>5.410.4.3 Procedures.</b> Perform testing and adjusting specifications and applicable standards on each system
				<b>5.410.4.3.1 HVAC balancing.</b> In addition to tes system serving a building or space is operated f accordance with the procedures defined by the Standards; the National Environmental Balancir

Y N/A RESPON. PARTY **r.** 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 iction processes of the building project to signed by the individual responsible for performing these services. representative's project ction by trained personnel with experience 5.410.4.5 Operation and maintenance (O & M) manual. Provide the building owner or representative with t regulated by OSHPD or for detailed operating and maintenance instructions and copies of guaranties/warranties for each system. O & M gy Code Section 100.0 Scope, all instructions shall be consistent with OSHA requirements in CCR, Title 8, Section 5142, and other related regulations. ornia Energy Code, including heating, **5.410.4.5.1 Inspections and reports.** Include a copy of all inspection verifications and reports required tems and controls, as well as water by the enforcing agency. for commissioning requirements DIVISION 5.5 ENVIRONMENTAL QUALITY SECTION 5.501 GENERAL **5.501.1 SCOPE.** The provisions of this chapter shall outline means of reducing the quantity of air contaminants that are odorous, irritating, and/or harmful to the comfort and well-being of a building's installers, occupants and neighbors. **SECTION 5.502 DEFINITIONS 5.502.1 DEFINITIONS.** The following terms are defined in Chapter 2 (and are included here for reference) **ARTERIAL HIGHWAY.** A general term denoting a highway primarily for through traffic usually on a continuous route. **A-WEIGHTED SOUND LEVEL (dBA).** The sound pressure level in decibels as measured on a sound level meter using the internationally standardized A-weighting filter or as computed from sound spectral data to which A-weighting oned accessory spaces within adjustments have been made. 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 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, the amount of heat required to melt a ton (2,000 pounds) of ice at 32<sup>0</sup> Fahrenheit. ilding, area, or room which does not COMMUNITY NOISE EQUIVALENT LEVEL (CNEL). A metric similar to the day-night average sound level (Ldn), except that a 5 decibel adjustment is added to the equivalent continuous sound exposure level for evening hours (7pm to 10pm) in addition to the 10 dB nighttime adjustment used in the Ldn. raining and/or certification of **COMPOSITE WOOD PRODUCTS.** Composite wood products include hardwood plywood, particleboard and medium ng Jurisdiction as a reference for density fiberboard. "Composite wood products" does not include hardboard, structural plywood, structural ndividuals to conduct functional panels, structural composite lumber, oriented strand board, glued laminated timber, timber, prefabricated wood I-joists or finger–jointed lumber, all as specified in California Code of Regulations (CCR), Title 17, Section 93120.1(a). ning systems and lighting controls **Note:** See CCR, Title 17, Section 93120.1. DAY-NIGHT AVERAGE SOUND LEVEL (Ldn). The A-weighted equivalent continuous sound exposure level for a 24-hour period with a 10 dB adjustment added to sound levels occurring during nighttime hours (10p.m. to 7 a.m.). nts (OPR). [N] The expectations and nted 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, sound power, sound intensity) with respect to a reference quantity. ELECTRIC VEHICLE (EV). An automotive-type vehicle for on-road use, such as passenger automobiles, buses, trucks, vans, neighborhood electric vehicles, electric motorcycles, and the like, primarily powered by an electric motor eration, and need for after hours that draws current from a rechargeable storage battery, fuel cell, photovoltaic array, or other source of electric current. Plug-in hybrid electric vehicles (PHEV) are considered electric vehicles. For purposes of the California Electrical Code, off-road, self-propoelled electric vehicles, such as industrial trucks, hoists, lifts, transports, golf carts, airline ground ersonnel expectations. support equipment, tractors, boats, and the like, are not included. e design of the building systems meets ELECTRIC VEHICLE CHARGING STATION(S) (EVCSj). One or more spaces intended for charging electric vehicles. . The Basis of Design document shall **ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE).** The conductors, including the ungrounded, grounded, and equipment grounding conductors and the electric vehicle connectors, attachment plugs, and all other fittings, devices, power outlets, or apparatus installed specifically for the purpose of transferring energy between the premises wiring and the electric vehicle. ENERGY EQUIVALENT (NOISE) LEVEL (Leq). The level of a steady noise which would have the same energy as nissioning plan shall be completed to the fluctuating noise level integrated over the time of period of interest. plan shall include the following: **EXPRESSWAY.** An arterial highway for through traffic which may have partial control of access, but which may or may not be divided or have grade separations at intersections. mponents shall include: **FREEWAY.** A divided arterial highway with full control of access and with grade separations at intersections. tent of tests. GLOBAL WARMING POTENTIAL (GWP). The radiative forcing impact of one mass-based unit of a given greenhouse gas relative to an equivalent unit of carbon dioxide over a given period of time. Carbon dioxide is the reference compound with a GWP of one. ilities. Plans for the completion of GLOBAL WARMING POTENTIAL VALUE (GWP VALUE). A 100-year GWP value published by the Intergovernmental Panel on Climate Change (IPCC) in either its Second Assessment Report (SAR) (IPCC, 1995); or its Fourth Assessment A-3 Report (AR4) (IPCC, 2007). The SAR GWP values are found in column "SAR (100-yr)" of nce tests shall demonstrate the correct Table 2.14.; the AR4 GWP values are found in column "100 yr" of Table 2.14. system interface in accordance with the oorts shall contain information addressing HIGH-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that is: (a) a chlorofluorocarbon, a and include any readings and adjustments hdrochlorofluorocarbon, a hydrofluorocarbon, a perfluorocarbon, or any compound or blend of compounds, with a GWP value equal to or greater than 150, or (B) any ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009). Systems Operations Training are required, California Code of Regulations (CCR), LONG RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a radius 1.5 times the pipe diameter. LOW-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that: (A) has a GWP value less than ional 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, ing owner or representative. The sec.82.3 (as amended March 10, 2009). and current requirements. **MERV.** Filter minimum efficiency reporting value, based on ASHRAE 52.2–1999. site operating procedures, basic MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a ments, site events log. compound to the "Base REactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundreths of a gram (g  $O^3/g$  ROC). cy or this code. **PRODUCT-WEIGHTED MIR (PWMIR).** The sum of all weighted-MIR for all ingredients in a product subject to this article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of product (excluding container and packaging). aining of the appropriate maintenance **PSIG.** Pounds per square inch, guage. and documented in the commissioning **REACTIVE ORGANIC COMPOUND (ROC).** Any compound that has the potential, once emitted, to contribute to and with what other systems and/or ozone formation in the troposphere. aintenance. SCHRADER ACCESS VALVES. Access fittings with a valve core installed. SHORT RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, ent. with a radius 1.0 times the pipe diameter. cess 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 eted and provided to the owner or or more conditioned area, and that utilizes either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units. **VOC.** A volatile organic compound broadly defined as a chemical compound based on carbon chains or rings with uare feet. Testing and adjusting of vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain new systems to serve an addition or hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a) **Note:** Where specific regulations are cited from different agencies such as SCAQMD, ARB, etc., the VOC definition included in that specific regulation is the one that prevails for the specific measure in question. e California Energy Code, including SECTION 5.503 FIREPLACES oor 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 e Section 120.8 for commissioning woodstove or pellet stove, and refer to residential requirements in the California Energy Code, Title 24, Part 6, itional 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 Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified and adjusting systems. Systems to be to meet the emission limits. cable to the project: SECTION 5.504 POLLUTANT CONTROL 5.504.1 TEMPORARY VENTILATION. The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a ccordance with manufacturer's Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30% based on ASHRAE 52.1-1992 Replace all filters immediately prior to occupancy, or, if the building is occupied during alteration, at the conclusion of construction. ng, before a new space-conditioning he system shall be balanced in 5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of g 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, dural Standards; Associated Air Balance sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which encv. may enter the system.

DISCLAIMER: THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE 2016 CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING VERIFICATION WITH THE 2016 CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING VERIFICATION WITH THE FULL CODE. DUE TO THE VARIABLES BETWEEN BUILDING VERIFICATION WITH THE FULL CODE. DUE TO THE VARIABLES BETWEEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES DUE TO THE VARIABL

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## uary 2020, Includes August 2019 Supplement)

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



	NATHA	N D. MENARD, ARCHITECT					
		NATHAN D. MENARD C-27019 02/28/2023 RENEWAL DATE OF CALIFOR 12/09/2022					
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# **2019 CALIFORNIA GREEN BUILDING STANDARDS CODE** NONRESIDENTIAL MANDATORY MEASURES, SHEET 3 (January 2020, Includes August 2019 Supplement)

Y N/A RESPON. PARTY

YN	A RESPON. PARTY			Y N/A RESPON. PARTY		
	]	5.504.4 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with Sections	5.504.4.1 through	x	TABLE 5.504.4.3 - VOC CONTENT LIMITS FOR A	ARCHITECTURAL
		5.504.4.0.	roiget shall most		COATINGS <sub>2,3</sub>	
		<b>5.504.4.1 Adhesives, sealants and caulks.</b> Adhesives, sealants, and caulks used on the p the requirements of the following standards:			GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT (	COMPOUNDS
		comply with local or regional air pollution control or air quality management district rule	es where			
		products also shall comply with the Rule 1168 prohibition on the use of certain toxic co	ompounds		NONFLAT COATINGS	100
		aerosol products as specified in subsection 2, below.	nyiene), exception		NONFLAT HIGH GLOSS COATINGS	150
		2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking co	mpounds (in		SPECIALTY COATINGS	
		than 16 fluid ounces) shall comply with statewide VOC standards and other requirements of California Code of Regulations. Title	nts, including		ALUMINUM ROOF COATINGS	400
		with Section 94507.	e 17, commencing		BASEMENT SPECIALTY COATINGS	400
					BITUMINOUS ROOF COATINGS	50
		TABLE 5.504.4.1 - ADHESIVE VOC LIMIT12			BUI UMINOUS ROOF PRIMERS	350
		Less Water and Less Exempt Compounds in Grams per Liter			CONCRETE CURING COMPOUNDS	350
		ARCHITECTURAL APPLICATIONS CURRENT VOC LIMIT			CONCRETE/MASONRY SEALERS	100
		INDOOR CARPET ADHESIVES 50			DRIVEWAY SEALERS	50
		CARPET PAD ADHESIVES 50			DRY FOG COATINGS	150
		OUTDOOR CARPET ADHESIVES 150			FAUX FINISHING COATINGS	350
		WOOD FLOORING ADHESIVES 100			FIRE RESISTIVE COATINGS	350
		RUBBER FLOOR ADHESIVES     60       SUBEL OOP ADHESIVES     50				100
		CERAMIC TILE ADHESIVES 65			GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
		VCT & ASPHALT TILE ADHESIVES 50			HIGH-TEMPERATURE COATINGS	420
		DRYWALL & PANEL ADHESIVES 50			INDUSTRIAL MAINTENANCE COATINGS	250
		COVE BASE ADHESIVES 50			LOW SOLIDS COATINGS1	120
		MULTIPURPOSE CONSTRUCTION ADHESIVES 70			MAGNESITE CEMENT COATINGS	450
		STRUCTURAL GLAZING ADHESIVES     100			MASTIC TEXTURE COATINGS	100
		SINGLE-PLY ROOF MEMBRANE ADHESIVES 250	_			500
		SPECIAL TY APPLICATIONS				250
		PVC WELDING 510			PRIMERS, SEALERS, & UNDERCOATERS	100
		CPVC WELDING 490			REACTIVE PENETRATING SEALERS	350
		ABS WELDING 325			RECYCLED COATINGS	250
		PLASTIC CEMENT WELDING 250			ROOF COATINGS	50
		ADHESIVE PRIMER FOR PLASTIC 550			RUST PREVENTATIVE COATINGS	250
		CONTACT ADHESIVE 80			SHELLACS:	700
		SPECIAL PURPOSE CONTACT ADHESIVE 230				730
		TOP & TRIM ADHESIVE 250				330
		SUBSTRATE SPECIFIC APPLICATIONS			SPECIALTY PRIMERS, SEALERS & UNDERCUATERS	100
		METAL TO METAL 30			STAINS STONE CONSOLIDANTS	250
		PLASTIC FOAMS 50			SWIMMING POOL COATINGS	340
		POROUS MATERIAL (EXCEPT WOOD)     50			TRAFFIC MARKING COATINGS	100
			_		TUB & TILE REFINISH COATINGS	420
					WATERPROOFING MEMBRANES	250
		1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHE	] R.		WOOD COATINGS	275
		THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.				350
		2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR			1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMP	T COMPOUNDS
		QUALITY MANAGEMENT DISTRICT RULE 1168,			2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS A	RE LISTED IN SUBSEQUENT COLUMNS IN
					3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY TH	E CALIFORNIA AIR RESOURCES BOARD,
					ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2 FROM THE AIR RESOURCES BOARD.	008. MORE INFORMATION IS AVAILABLE
		TABLE 5.504.4.2 - SEALANT VOC LIMIT			5.504.4.3.2 Verification. Verification of compliance with this	section shall be provided at the request o
		Less Water and Less Exempt Compounds in Grams per Liter			the enforcing agency. Documentation may include, but is not 1. Manufacturer's product specification	limited to, the following:
		SEALANTS CURRENT VOC LIMIT			2. Field verification of on-site product containers	
		ARCHITECTURAL 250	_		5.504.4.4 Carpet Systems. All carpet installed in the building interior product requirements:	or shall meet at least one of the testing ar
		NONMEMBRANE ROOF 300	_		1. Carpet and Rug Institute's Green Label Plus Program	
		ROADWAY 250	—		<ol> <li>Compliant with the VOC-emission limits and testing requi Department of Public Health Standard Method for the Test</li> </ol>	rements specified in the California sting and Evaluation of Volatile Organic
		SINGLE-PLY ROOF MEMBRANE 450			Chemical Emissions from Indoor Sources Using Environr 2010 (also known as CDPH Standard Method V1 1 or Sp	nental Chambers, Version 1.1, February ecification 01350).
		OTHER 420			<ol> <li>NSF/ANSI 140 at the Gold level or higher;</li> <li>Scientific Certifications Systems Sustainable Choice: or</li> </ol>	
		SEALANT PRIMERS			<ol> <li>Compliant with the Collaborative for High Performance So listed in the CHPS High Performance Product Database</li> </ol>	chools California (2014 CA-CHPS) Criteri
		ARCHITECTURAL				
		NONPOROUS 250			5.504.4.4.1 Carpet cushion. All carpet cushion installer requirements of the Carpet and Rug Institute Green La	ed in the building interior shall meet the bel program.
		MODIFIED BITUMINOUS 500			5.504.4.4.2 Carpet adhesive. All carpet adhesive shal	I meet the requirements of Table 5.504.4
		MARINE DECK 760			5.504.4.5 Composite wood products. Hardwood plywood, particle	eboard and medium density fiberboard
		OTHER 750			composite wood products used on the interior or exterior of the build formaldehyde as specified in ARB's Air Toxics Control Measure (AT	dings shall meet the requirements for CM) for Composite Wood (17 CCR 9312
		NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO			seq.). Those materials not exempted under the ATCM must meet th Table 5.504.4.5.	e specified emission limits, as shown in
		COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.			5.504.4.5.3 Documentation. Verification of compliance	e with this section shall be provided as
					requested by the enforcing agency. Documentation sha	all include at least one of the following:
		<b>5.504.4.3 Paints and coatings.</b> Architectural paints and coatings shall comply with VOC lin the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, u	nits in Table 1 of nless more		<ol> <li>Product certifications and specifications.</li> <li>Chain of custody certifications.</li> </ol>	
		stringent local limits apply. The VOC content limit for coatings that do not meet the definition coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating a	s for the specialty s a Flat, Nonflat		<ol> <li>Product labeled and invoiced as meeting the CCR, Title 17, Section 93120, et seq.).</li> </ol>	Composite Wood Products regulation (s
		or Nontlat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4 California Air Resources Board Suggested Control Measure, and the corresponding Flat, No	i.37 of the 2007 nflat or		<ol> <li>Exterior grade products marked as meeting Engineered Wood Association, the Australia</li> </ol>	the PS-1 or PS-2 standards of the n AS/NZS 2269 or European 636 3S
		Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.			standards. 5. Other methods acceptable to the enforcing a	igency.
		<b>5.504.4.3.1 Aerosol Paints and coatings.</b> Aerosol paints and coatings shall meet th ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of c	e PWMIR Limits for ertain toxic			
		compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of C Regulations, Title 17, commencing with Section 94520; and in areas under the jurisdic	alitornia Code of tion of the			
		Bay Area Air Quality Management District additionally comply with the percent VOC b limits of Regulation 8 Rule 49.	/ weight of product			

- see

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TABLE 5.504.4.5 - FORMALDEHYDE LIMITS MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION PRODUCT HARDWOOD PLYWOOD VENEER CORE HARDWOOD PLYWOOD COMPOSITE CORE PARTICLE BOARD MEDIUM DENSITY FIBERBOARD THIN MEDIUM DENSITY FIBERBOARD2 1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFOR AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDAN ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SE 93120.12. 2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHE 5.504.4.6 Resilient flooring systems. For 80 percent of floor area receiving resilient flooring shall meet at least one of the following: 1. Certified under the Resilient Floor Covering Institute (RFCI) FloorSe 2. Compliant with the VOC-emission limits and testing requirements Department of Public Health's 2010 Standard Method for the Testir Version 1.1, February 2010; 3. Compliant with the Collaborative for High Performance Schools Ca and listed in the CHPS High Performance Product Database; or 4. Products certified under UL GREENGUARD Gold (formerly the Gre Program). 5.504.4.6.1 Verification of compliance. Documentation shall be prov materials meet the pollutant emission limits. 5.504.5.3 Filters. In mechanically ventilated buildings, provide regularly occu filtration media for outside and return air that provides at least a Minimum Effi 13. MERV 13 filters shall be installed prior to occupancy, and recommendation the same value shall be included in the operation and maintenance manual. **Exceptions:** Existing mechanical equipment. 5.504.5.3.1 Labeling. Installed filters shall be clearly labeled by the manu rating. 5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL. Where outdoor prohibit smoking within 25 feet of building entries, outdoor air intakes and operable already prohibited by other laws or regulations; or as enforced by ordinances, regulations county, city and county, California Community College, campus of the California Sta University of California, whichever are more stringent. When ordinances, regulations signage to inform building occupants of the prohibitions. SECTION 5.505 INDOOR MOISTURE CONTROL 5.505.1 INDOOR MOISTURE CONTROL. Buildings shall meet or exceed the provis CCR, Title 24, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). Section 5.407.2 of this code. SECTION 5.506 INDOOR AIR QUALITY 5.506.1 OUTSIDE AIR DELIVERY. For mechanically or naturally ventilated spaces i requirements of Section 120.1 (Requirements For Ventilation) of the California Energy code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8. 5.506.2 CARBON DIOXIDE (CO2) MONITORING. For buildings or additions equipp ventilation, CO2 sensors and ventilation controls shall be specified and installed in ac of the California Energy Code, Section 120(c)(4). SECTION 5.507 ENVIRONMENTAL COMFORT 5.507.4 ACOUSTICAL CONTROL. Employ building assemblies and components (STC) values determined in accordance with ASTM E 90 and ASTM E 413, or Outdo Class (OITC) determined in accordance with ASTM E 1332, using either the prescrip Section 5.507.4.1 or 5.507.4.2. Exception: Buildings with few or no occupants or where occupants are not lik noise, as determined by the enforcement authority, such as factories, stadiums structures and utility buildings. Exception: [DSA-SS] For public schools and community colleges, the require subsections apply only to new construction. 5.507.4.1 Exterior noise transmission, prescriptive method. Wall and roof the noise source making up the building or addition envelope or altered envelo rating of at least 50 or a composite OITC rating of no less than 40, with exterio 40 or OITC of 30 in the following locations: 1. Within the 65 CNEL noise contour of an airport. Exceptions: 1. Ldn or CNEL for military airports shall be determined by the fac Land Use Zone (AICUZ) plan. 2. Ldn or CNEL for other airports and heliports for which a land u shall be determined by the local general plan noise element. 2. Within the 65 CNEL or Ldn noise contour of a freeway or expressive fixed-guideway source as determined by the Noise Element of the G 5.507.4.1.1. Noise exposure where noise contours are not readily a noise level of 65 dB L<sub>eq</sub> - 1-hr during any hour of operation shall have b exterior wall and roof-ceiling assemblies exposed to the noise source m at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 5.507.4.2 Performance Method. For buildings located as defined in Section roof-ceiling assemblies exposed to the noise source making up the building or envelope shall be constructed to provide an interior noise environment attribute not exceed an hourly equivalent noise level (Leq-1Hr) of 50 dBA in occupied a 5.507.4.2.1 Site Features. Exterior features such as sound walls or ea appropriate to the building, addition or alteration project to mitigate soun 5.507.4.2.2 Documentation of Compliance. An acoustical analysis of sound levels shall be prepared by personnel approved by the architect of 5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies se spaces and public places shall have an STC of at least 40. Note: Examples of assemblies and their various STC ratings may be found a

**SECTION 5.508 OUTDOOR AIR QUALITY** 5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.

Noise Control: www.toolbase.org/PDF/CaseStudies/stc\_icc\_ratings.pdf.

5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration and fire contain CFCs.

5.508.1.2 Halons. Install HVAC, refrigeration and fire suppression equipment 5.508.2 Supermarket refrigerant leak reduction. New commercial refrigeration sw provisions of this section when installed in retail food stores 8,000 square feet or mo utilize either refrigerated display cases, or walk-in coolers or freezers connected to condensing units. The leak reduction measures apply to refrigeration systems contain (high-GWP) refrigerants with a GWP of 150 or greater. New refrigeration systems incl replacement of existing refrigeration systems in existing facilities.

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

				OWNER, CONTRACTOR, INSPECTOR ETC
	Y	N/A	RESPON. PARTY	
				<b>5.508.2.1 Refrigerant piping.</b> 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.
				<b>5.508.2.1.1 Threaded pipe.</b> Threaded connections are permitted at the compressor rack.
0.05				<b>5.508.2.1.2 Copper pipe.</b> Copper tubing with an OD less than 1/4 inch may be used in systems with a refrigerant charge of 5 pounds or less.
0.09				<b>5.508.2.1.2.1 Anchorage.</b> One-fouth-inch OD tubing shall be securely clamped to a rigid base to
0.11				keep vibration levels below 8 mils. 5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure
AIR RESOURCES BOARD,				controls, valve pilot lines and oil.
8 MM).				<b>Exception:</b> 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.
silient flooring, installed				<b>5.508.2.1.4 Elbows.</b> Short radius elbows are only permitted where space limitations prohibit use of long radius elbows.
e program.				<b>5.508.2.2 Valves.</b> Valves Valves and fittings shall comply with the <i>California Mechanical Code</i> and as follows.
cified in the California and Evaluation Chambers,				<b>5.508.2.2.1 Pressure relief valves.</b> For vessels containing high-GWP refrigerant, a rupture disc shall be installed between the outlet of the vessel and the inlet of the pressure relief valve.
guard Children's & Schools				<b>5.508.2.2.1.1 Pressure detection.</b> A pressure gauge, pressure transducer or other device shall be installed in the space between the rupture disc and the relief valve inlet to indicate a disc rupture or discharge of the relief valve.
d verifying that resilient flooring				<b>5.508.2.2.2 Access valves.</b> Only Schrader access valves with a brass or steel body are permitted for use.
ed areas of the building with air ency Reporting Value (MERV) of a for maintenance with filters 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.
				<b>5.508.2.2.2.2 Seal caps.</b> If designed for it, the cap shall have a neoprene O-ring in place.
turer indicating the MEDV				<b>5.508.2.2.2.1 Chain tethers.</b> Chain tethers to fit ovr the stem are required for valves designed to have seal caps.
anon muluauny uie WEKV				<b>Exception:</b> Valves with seal caps that are not removed from the valve during stem operation.
eas are provided for smoking, dows and within the building as ns or policies of any city, University, or campus of the				<b>5.508.2.3 Refrigerated service cases.</b> 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.
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 with a device tha indicates the level of refrigerant in the receiver.
ns of California Building Code, additional measures, see				<b>5.508.2.5 Pressure testing.</b> The system shall be pressure tested during installation prior to evacuation and charging.
				<b>5.508.2.5.1 Minimum pressure.</b> The system shall be charged with regulated dry nitrogen and
ouildings, meet the minimum Code, or the applicable local				<b>5.508.2.5.2 Leaks.</b> Check the system for leaks, repair any leaks, and retest for pressure using the same gauge.
with demand control ordance with the requirements				<b>5.508.2.5.3 Allowable pressure change.</b> The system shall stand, unaltered, for 24 hours with no more than a +/- one pound pressure change from 300 psig, measured with the same gauge.
				5.508.2.6 Evacuation. The system shall be evacuated after pressure testing and prior to charging.
Sound Transmission Class -Indoor Sound Transmission ve or performance method in				<b>5.508.2.6.1 First vacuum.</b> Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and hold for 30 minutes.
				<b>5.508.2.6.2 Second vacuum.</b> Pull a second system vacuum to a minimum of 500 microns and hold for 30 minutes.
y to be affected by exterior storage, enclosed parking				<b>5.508.2.6.3 Third vacuum.</b> Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.
nents of this section and all				
ceiling assemblies exposed to the shall meet a composite STC windows of a minimum STC of				CHAPTER 7 INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS
ility Air Installation Compatible				<b>702 QUALIFICATIONS</b> <b>702.1 INSTALLER TRAINING.</b> HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. Examples of acceptable HVAC training and certification programs include but are not limited to the following:
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>
ailable. Buildings exposed to a				<ol> <li>Programs sponsored by manufacturing organizations.</li> <li>Other programs acceptable to the enforcing agency.</li> </ol>
ding, addition or alteration eting a composite STC rating of or OITC 30).				<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
.507.4.1 or 5.507.4.1.1, wall and ddition envelope or altered ble to exterior sources that does eas during any hour of operation				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:
h 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> </ol>
umenting complying interior				<ol> <li>Successful completion of a third party apprentice training program in the appropriate trade.</li> <li>Other programs acceptable to the enforcing agency.</li> </ol>
engineer of record.				Notes:
rating tenant spaces and tenant				1. Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.
e California Office of				<ol> <li>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).</li> <li>IBSC-CCI When required by the enforcing according to the curves or the reconnectible active set in the se</li></ol>
efrigeration and fire suppression				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
pression equipment that do not				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.
				<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.
nat do not contain Halons.				
nat do not contain Halons. The shall comply with the e conditioned area, and that				103 VERIFICATIONS
nat do not contain Halons. ems shall comply with the conditioned area, and that note compressor units or ing high-global-warming potential ude both new facilities and the				<b>703 VERIFICATIONS</b> <b>703.1 DOCUMENTATION.</b> Documentation used to show compliance with this code shall include but is not limited to, construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which demonstrate substantial conformance. When specific documentation or special inspection is perspective to verify compliance, that methods after a methods acceptable to the enforcing agency which demonstrate substantial conformance.



	NATHA	AN D. MENARD, ARCHITECT
	0/1 × SV	NATHAN D. MENARD C-27019 02/28/2028 RENEWAL DATE OF CALIFORM 12/09/2022
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$\bigtriangleup$	DATE	DESCRIPTION
	12.08.22	PERMIT ISSUE
	94-1820 PM: M/ DRAWN	-28 ARIBEL ABRICA : DH
	CAL	GREEN
	Gź	205





94-1820-28

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	12.08.22	PERMIT ISSUE					

NATHAN D MENARD C-27019 12/09/2022

NATHAN D. MENARD, ARCHITECT







LOCKER ROOM MEZZANINE

COSTCO WHOLESALE CORPORATION 999 LAKE DRIVE ISSAQUAH, WA 98027 T: 425.313.8100 www.costco.com 1101 Second Ave, Ste 100 Seattle, WA 98101

206 962 6500

MG2.com

WHOLESALE GOLETA, CA #474 7095 MARKET PLACE DR.

GOLETA, CA 93117





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







DE	EMOLITION KEY NOTES
1	REMOVE EXISTING CHANNEL AND RELATED ELECTRICAL.
2	REMOVE EXISTING LIGHTING. REFER TO ELECTRICAL DWGS
3	RELOCATE EXISTING CONDUIT RAISE @ 3'-0" OR AS ALLOWED PER MAXIMUM. V.I.F.
4	REMOVE EXISTING MEZZANINE PLATFORM LADDER AND PARTIAL GUARD RAIL AS REQUIRED.



18 ROOF EQUIPMENT SECTION SCALE: 1/4" = 1'-0"

















![](_page_10_Picture_3.jpeg)

DETAILS, DOOR AND FINISH SCHEDULES A601

PM: MARIBEL ABRICA

94-1820-28

DRAWN: DH, AI

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COSTCO WHOLESALE CORPORATION

**EWHOLESALE** GOLETA, CA #474

7095 MARKET PLACE DR.

GOLETA, CA 93117

### **GENERAL NOTE**

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

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

**BUILDING DESIGN.** 

- 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 CODE SUPPLEMENT & DATE - 2018 INTERNATIONAL BUILDING CODE - ASCE 7-16
- 3. DESIGN LOADS A. MEZZANINE LIVE LOAD100 PSF
  - **RISK CATEGORY I** S<sub>s</sub> = 2.357, S<sub>1</sub> = 0.829, IE = 1.0, SITE CLASS "D" AND  $S_{DS} = 1.886$
  - SEISMIC DESIGN CATEGORY = "D" RESISTING SYSTEM (S) = LIGHT-FRAME (WOOD) WALLS SHEATHED

WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE. C<sub>c</sub> = 0.169 (LRFD), R = 6.5 ALL CODE REQUIRED LOAD COMBINATIONS ARE TO BE USED IN THE

### **OSHA STANDARDS**

c. LOAD COMBINATIONS

b. SEISMIC

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.

### CONCRETE

Α.

F'C=4000 PSI. @ 28 DAYS 5-1/2 SACKS MINIMUM CEMENT PER CUBIC YARD FOR ALL CONCRETE SLABS. ADD SILKA FIBER MS20 (FORTAFERRO) AT 7.5 POUNDS PER CUBIC YARD DOSAGE FOR F'C=3000 PSI. @ 28 DAYS 5-1/2 SACKS MINIMUM CEMENT PER CUBIC YARD FOR ALL OTHER.

USE TYPE I/II CEMENT. USE TYPE III (HIGH EARLY STRENGTH) CEMENT IS ACCEPTABLE FOR SCHEDULE. FOR SPECIAL CONDITIONS ANOTHER TYPE CEMENT MAY BE REQUIRED. SUBMIT FOR APPROVAL. ULTIMATE STRENGTH DESIGN METHOD USED. MIXING AND PLACING OF ALL CONCRETE AND SELECTION OF MATERIALS SHALL BE IN ACCORDANCE WITH THE ACI CODE 318. PROPORTIONING OF AGGREGATE TO CEMENT SHALL BE SUCH AS TO PRODUCE A DENSE WORKABLE MIX WITH 4" MAXIMUM SLUMP (UNLESS SUPERPLASTICIZERS ARE USED) WHICH CAN BE PLACED WITHOUT SEGREGATION OR EXCESS FREE SURFACE WATER. FOR ADMIXTURES, SEE SPECIFICATIONS. MAXIMUM WATER/CEMENT RATIO = 0.49. 3/4" CHAMFER ALL EXPOSED EDGES, UNLESS INDICATED OTHERWISE ON ARCHITECTURAL DRAWINGS. WATER CURING SHALL BE USED. AIR ENTRAIN ALL HORIZONTAL CONCRETE EXPOSED TO WEATHER WITH 3% TO 6% AIR BY VOLUME. DO NOT USE AIR ENTRAINMENT FOR INTERIOR SLABS ON GRADE. LIMIT WATER CEMENT RATIO TO 0.45 AND USE TYPE V CEMENT WHERE SOILS "WATER SOLUBLE SULFATE EXCEEDS 0.20 PERCENT BY WT. ADD NO WATER TO CONCRETE AT SITE. IF INCREASED WORKABILITY IS REQUIRED, CONTRACTOR IS TO SUBMIT A MIX DESIGN THAT WILL ALLOW THE ADDITION OF A FIXED AMOUNT WATER REDUCING AGENT OR A FIXED AMOUNT OF SUPER-PLASTICIZER AT THE

CONCRETE PLANT. DO NOT USE FLY ASH, SLAG OR OTHER SUPPLEMENTARY CEMENTITIOUS MATERIALS IN CONCRETE EXPOSED TO VIEW INCLUDING, BUT NOT LIMITED TO, INTERIOR FLOOR SLABS, ENTRY CANOPY SLABS, LOADING DOCK SLABS AND STAIRS, STEM WALLS, LOADING DOCK WALLS, COLUMNS OR PILASTERS, AND EXTERIOR WALKS /PADS.

1. FLY ASH, SLAG AND OTHER SUPPLEMENTARY CEMENTITIOUS MATERIALS MAY BE USED ONLY IN BELOW GRADE CONCRETE SUCH AS FOOTINGS, FOUNDATION WALLS, GRADE BEAMS, AND SIMILAR CONCEALED LOCATIONS. 2. FLY ASH, SLAG AND OTHER SUPPLEMENTARY CEMENTITIOUS MATERIALS MAY BE USED IF DETERMINED THAT THE USE OF SUPPLEMENTARY CEMENTITIOUS MATERIALS WOULD IMPROVE

RESISTANCE TO ALKALI-AGGREGATE REACTIVITY IN CONCRETE. OBTAIN WRITTEN APPROVAL FROM OWNER PRIOR TO USE. ACI 306R IS TO BE FOLLOWED FOR COLD WEATHER CONCRETING. ACI 305R IS TO BE FOLLOWED FOR HOT WEATHER CONCRETING. THE TESTING LAB MUST APPROVE THE CONTRACTORS METHOD OF COMPLIANCE AND CERTIFY THEIR APPROVAL WITH EACH CONCRETE TEST

CYLINDER THEY CAST. TESTING LAB TO NOTIFY THE ARCHITECT IMMEDIATELY BY FAX AND

### **REINFORCING STEEL**

PHONE OF ANY NONCOMPLIANCE.

ALL CONCRETE REINFORCING STEEL SHALL BE DEFORMED PER ASTM A615, GRADE 60 (FY=60.000 PSI) LAP CONTINUOUS REINFORCING BARS 44 BAR DIAMETERS, 1'-10" MINIMUM UNLESS NOTED OTHERWISE. CORNER BARS (1'-10" BEND) TO BE PROVIDED FOR ALL HORIZONTAL REINFORCEMENT. DETAIL STEEL IN ACCORDANCE WITH "ACI MANUAL OF STANDARD PRACTICE OF DETAILING REINFORCED CONCRETE STRUCTURES". WELDED WIRE FABRIC (WWF) TO CONFORM WITH ASTM A185. REINFORCING HOOKS TO COMPLY WITH STANDARD ACI HOOKS. COVER TO MAIN REINFORCEMENT TO BE: BOTTOM OF FOOTINGS 3 INCHES

WEATHER & EARTH FACE 1-1/2 INCHES FORMED SURFACES FORMED SURFACES INTERIOR FACE 3/4 INCHES

SHOULD THE REINFORCING SUPPLIER AND/OR DETAILER CHOOSE TO USE SOFT METRIC, EACH AND EVERY REBAR CALLOUT **MUST** BE INDICATED WITH BOTH SIZES WITH THE IMPERIAL SIZE FIRST THUS: "#4/#13" **NO EXCEPTIONS**. A CONVERSION TABLE ALONE IS UNACCEPTABLE. WE WILL CHECK THE SHOP DRAWINGS TO THE IMPERIAL SIZES ONLY. IT WILL BE THE RESPONSIBILITY OF THE REINFORCING SUPPLIER AND THE GENERAL CONTRACTOR TO VERIFY THAT ALL CONVERSIONS TO METRIC SUPPLY AT LEAST THE SAME AREA OF STEEL AS THE IMPERIAL.

### STRUCTURAL STEEL AND MISCELLANEOUS STEEL

ALL WORK IN ACCORDANCE WITH "AISC SPECIFI	CATION FOR THE DESIGN, F	ABRICATION AN
RECTION OF STRUCTURAL STEEL FOR BUILDING	S", AND THE "CODE OF STAN	IDARD PRACTICE
STRUCTURAL STEEL SHALL CONFORM TO THE FOLI	_OWING STANDARDS:	
VIDE FLANGE SHAPES	ASTM A-992	(FY=50,000 PSI)
OTHER SHAPES AND PLATES	ASTM A-36	(FY=36,000 PSI)
UBE COLUMNS	ASTM A-500, GRADE B	(FY=46,000 PSI)
VELDHEAD STUDS	ASTM A-108	(FY=55,000 PSI)
ALL-THREAD	ASTM F1554, GRADE 36	(FY=36,000 PSI)
ACHINE BOLTS	ASTM A-307	
HGH STRENGTH BOLTS	ASTM A-325N (U.N.O.)	
ALL STRUCTURAL STEEL BOLTED CONNECTIONS /	AT MECHANICAL PLATFORMS	S ARE ASTM A-32
YPE N CONNECTIONS - BEARING TYPE WIT	H THREADS INCLUDED IN	I SHEAR PLANE
CONNECTIONS ARE NON-SLIP CRITICAL AND BOLTS	S NEED TO BE TIGHTENED "S	NUG TIGHT" ONL
EXCEPT AT FRAMES. PROVIDE WASHERS AT OUTE	R PLYS WITH SLOTTED HOLE	ES. INSTALL A-32
OLTS IN ACCORDANCE WITH "SPECIFICATION FOF	R STRUCTURAL JOINTS USING	G HIGH STRENGT
	JENT FOR ANCHOR BOLTO	A A NOTED O

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:

HILTI KWIK BOLT TZ PER ESR-1917

HILTI KWIK BOLT 3 PER ESR-1385

HILTI HIT-HY 270 PER ESR-4143

CONCRETE CMU ADHESIVE ANCHORS: CONCRETE CMU UNREINFORCED MASONRY CAST IN PLACE ANCHORS:

CMU

CMU

CONCRETE

HILTI HIT-HY 270 PER ESR-4144

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 HILTI KWIK HUS-EZ (KH-EZ) PER ESR-3056

HILTI HIT-RE 500 V3 PER ESR-3814 AND HILTI HIT-HY 200-R PER ESR-3187

## PERSONNEL IN CONFORMANCE TO ACI 318 - 14 SECTION 17.8.2.2.

FOLLOW INSTALLATION PROCEDURES OF ESR REPORT AND MANUFACTURER'S INSTRUCTIONS. PROVIDE USED FOR EXTERIOR APPLICATIONS PER ESR REPORT.

### **STEEL ROOF DECK**

### FRAMING LUMBER

GRADES & STRESSES SHALL CONFORM WITH LATEST EDITION OF "WESTERN LUMBER GRADING RULES", WWPA OR "STANDARD NO. 17 GRADING RULES FOR WEST COAST LUMBER", WCLIB. ALL LUMBER S4S AND S-DRY UNLESS NOTED OTHERWISE. UNLESS NOTED OTHERWISE, USE THE FOLLOWING:

### VISUALLY GRADED DIMENSION LUMBER (2" TO 4" THICK BY 2" & WIDER) STUDS - TYPICAL STUDS - WHERE NOTED JOISTS & RAFTERS - TYPICAL JOISTS & RAFTERS - WHERE NOTED PLATES & LEDGERS **BEAMS & HEADERS - TYPICAL** VISUALLY GRADED TIMBERS (5"X5" & LARGER) **BEAMS & STRINGERS**

(WIDTH MORE THAN 2" OF THICKNESS POSTS & TIMBERS

(WIDTH 2" OR MORE OF THICKNESS)

# EACH PIECE SHALL BEAR A VALID GRADE STAMP THAT IS NOT TO BE REMOVED. BOLT HEADS AND

ALL FASTENERS, CONNECTORS, AND ANCHORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE STAINLESS STEEL, ZMAX (G185 HDG PER ASTM A653), HOT-DIP GALVANIZED (HDG) PER ASTM A123 FOR CONNECTORS AND ASTM A153 FOR FASTENERS, OR MECHANICALLY GALVANIZED FASTENERS PER ASTM B695, CLASS 55 OR GREATER.

PROVIDE MIN. NAILING PER IBC TABLE 2304.10.1 UNLESS NOTED OTHERWISE. ALL HANGERS, TIES AND CONNECTORS ARE SIMPSON. OTHER MANUFACTURERS WITH ICC-ES APPROVED LOAD CAPACITIES EQUAL TO OR GREATER THAN THAT SPECIFIED MAY BE USED. NAIL ALL HOLES WITH NAILS AS SPECIFIED BY MANUFACTURER. CUT NO HOLES IN ANY STRUCTURAL FRAMING WITHOUT ENGINEERS APPROVAL, EXCEPT THAT 1-INCH DIAMETER HOLES MAY BE DRILLED IN 2X STUDS AND PLATES -- NO MORE THAN ONE HOLE EVERY 6-INCHES.

LUMBER S4S AND S-DRY UNLESS NOTED OTHERWISE. UNLESS NOTED OTHERWISE, USE THE FOLLOWING: 2X4(S4S) ROOF STIFFENERS 2X6(S4S) ROOF STIFFENERS ROOF PURLINS (ROUGH)

PLATES, BLOCKING & LEDGERS LUMBER NOT NOTED TO BE D.F. #2 EACH PIECE SHALL BEAR A VALID GRADE STAMP THAT IS NOT TO BE REMOVED. BOLT HEADS AND NUTS BEARING AGAINST WOOD SHALL BE PROVIDED WITH STANDARD CUT WASHERS. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED. ALL NAILS TO BE COMMON NAILS, UNLESS INDICATED OTHERWISE. NO SUBSTITUTION OF OTHER SPECIES FOR DOUGLAS FIR ALLOWED.

ALL FASTENERS, CONNECTORS, AND ANCHORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE STAINLESS STEEL, ZMAX (G185 HDG PER ASTM A653), HOT-DIP GALVANIZED (HDG) PER ASTM A123 FOR CONNECTORS AND ASTM A153 FOR FASTENERS, OR MECHANICALLY GALVANIZED FASTENERS PER ASTM B695, CLASS 55 OR GREATER.

PROVIDE MIN. NAILING PER IBC TABLE 2304.10.1 UNLESS NOTED OTHERWISE. ALL HANGERS, TIES AND CONNECTORS ARE SIMPSON. OTHER MANUFACTURERS WITH ICC-ES APPROVED LOAD CAPACITIES EQUAL TO OR GREATER THAN THAT SPECIFIED MAY BE USED. NAIL ALL HOLES WITH NAILS AS SPECIFIED BY MANUFACTURER. CUT NO HOLES IN ANY STRUCTURAL FRAMING WITHOUT ENGINEERS APPROVAL, EXCEPT THAT 1-INCH DIAMETER HOLES MAY BE DRILLED IN 2X STUDS AND PLATES -- NO MORE THAN ONE HOLE EVERY 6-INCHES.

### PLYWOOD WEB JOIST

EDITION. PROVIDE & INSTALL WEB STIFFENERS AS SHOWN OR REQUIRED. DEAD LOAD ON FLOOR 18 PSF

DEAD LOAD ON ROOF 15 PSF HOLES IN WEBS SHALL BE IN ACCORDANCE WITH MANUFACTURER. SUPPORT CONCENTRATED LOADS IN ACCORDANCE WITH MANUFACTURER. VERIFY ALL MECHANICAL & ELECTRICAL & OTHER EQUIPMENT; PROVIDE ADDITIONAL JOISTS AS REQUIRED. WOOD STRUCTURAL PANELS CONFORM WITH U.S. DEPARTMENT OF COMMERCE VOLUNTARY PRODUCT STANDARDS, PS1-09, STRUCTURAL PLYWOOD OR PS 2-18, PERFORMANCE STANDARD FOR WOOD BASED STRUCTURAL-USE PANELS . ALL PANELS RATED EXPOSURE 1. SEE PLANS FOR NAILING

SPACING. ROOF SHEATHING: 19/32", CDX 32/16. NAIL WITH 10D (.148" DIAMETER X 3") COMMON NAILS WITH 1-5/8" MINIMUM PENETRATION. PROVIDE PLYWOOD SHEATHING CLIPS ON UNSUPPORTED EDGES

MIDWAY BETWEEN FRAMING MEMBERS. SPACE NAILS AT 6" ON CENTER AT ALL EDGES AND 12" ON CENTER FIELD NAILING (BLOCK UNSUPPORTED EDGES WITH 2X FLAT) UNLESS NOTED OTHERWISE ON PLANS OR DIAPHRAGM SCHEDULE.

WALL SHEATHING: 15/32", CDX 24/0 STRUCTURAL 1. NAIL WITH 10D (.148" DIAMETER X 3") COMMON NAILS WITH 1-5/8" MINIMUM PENETRATION. SPACE NAILS AT 6" ON CENTER AT ALL EDGES AND 12" ON CENTER FIELD NAILING (BLOCK UNSUPPORTED EDGES WITH 2X FLAT) UNLESS

NOTED OTHERWISE ON PLANS OR DIAPHRAGM SCHEDULE. FLOOR SHEATHING: 1 1/8" STURD-I FLOOR, T & G, 48/24. GLU-NAIL WITH 10D (.148" DIAMETER X 3") RINGSHANK NAILS WITH 1-5/8" MINIMUM PENETRATION. GLUE PLYWOOD TO SUPPORTS AND AT T & G JOINTS WITH ADHESIVE CONFORMING TO APA SPECIFICATION AFG-01. SPACE NAILS AT 6" ON CENTER AT ALL EDGES AND 12" ON CENTER FIELD NAILING (BLOCK UNSUPPORTED EDGES WITH 2X FLAT) UNLESS

NOTED OTHERWISE ON PLANS OR DIAPHRAGM SCHEDULE.

![](_page_11_Picture_53.jpeg)

MEZZANINE REMODEL 7095 MARKET PL DRIVE, GOLETA, CA 93117

### 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

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

VERCO HSB-36 - 1-1/2" HIGH X 36" WIDE GALVANIZED STEEL ROOF DECK. CONFORM WITH ASTM A 653, SS, GRADE 50, WITH MINIMUM YIELD STRENGTH FY=50,000 PSI WITH G60 GALVANIZED COATING. MATERIALS AND INSTALLATION SHALL ALSO CONFORM WITH IAPM REPORT NUMBER 2018. SEE PLAN FOR DECK GAGE AND CONNECTIONS. SEE ARCH. FOR PRIME PAINT REQUIREMENTS. MINIMUM EFFECTIVE FUSION AREA OF PUDDLE WELDS MUST BE 3/8" BY 1" OR 1/2" NET DIAMETER (3/4" MIN. DIAMETER VISUAL). SEAM WELDS MUST BE A MINIMUM OF 1-1/2". COMPLY WITH AWS D1.3. USE NO CONCRETE CONTAINING ADMIXTURES OF CHLORIDE OR CHLORIDE SALTS ON ROOF DECK. USE VERCO SHEARTRANZ WHERE INDICATED ON PLAN. OTHER ROOF DECKS AND ATTACHMENT PATTERNS MAY BE CONSIDERED PROVIDED THEY HAVE AN EQUIVALENT DIAPHRAGM STRENGTH AND STIFFNESS AND GRAVITY LOAD CAPACITY.

PECIES	GRADE	BASE VALUE FB
Doug Fir Doug Fir Doug Fir Doug Fir Doug Fir Doug Fir	STANDARD #2 #2 #1 #2 #2 #2	525 PSI 900 PSI 900 PSI 1000 PSI 900 PSI 900 PSI
DOUG FIR	#1	1350 PSI
DOUG FIR	#1	1200 PSI
STAMP THAT IS NOT		

NUTS BEARING AGAINST WOOD SHALL BE PROVIDED WITH STANDARD CUT WASHERS. ALL BASE VALUE STRESSES TO BE ADJUSTED WITH APPROPRIATE SIZE FACTORS. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESERVATIVE TREATED. USE STANDARD LENGTH COMMON NAILS CONFORMING WITH FEDERAL SPECIFICATION FF-N-105B FOR ALL NAILING EXCEPT WHERE SHORTER NAILS PROVIDE THE REQUIRED PENETRATION IN DIAPHRAGMS.

GRADES & STRESSES SHALL CONFORM WITH LATEST EDITION OF "WESTERN LUMBER GRADING RULES", WWPA OR "STANDARD NO. 17 GRADING RULES FOR WEST COAST LUMBER", WCLIB. ALL

![](_page_11_Picture_61.jpeg)

DESIGN & MANUFACTURED BY REDBUILT IN ACCORDANCE WITH ICC REPORT ESR-2994 LATEST

### **GLU-LAMINATED WOOD MEMBERS**

GLU-LAMINATED WOOD BEAMS, COAST REGION DOUGLAS FIR CONFORMING WITH ANSI A190.1-17 AND AITC 117-15 OF APA-EWS Y117. USE COMBINATION EWS 24F-V4 (DF/DF) FB=2400, FVX = 265 PSI FOR SIMPLE SPAN BEAMS AND COMBINATION EWS 24F-1.BE (DF/DF) FB=2400, FVX = 265 PSI FOR CANTILEVERED BEAMS. BOTTOM LAM TO BE FREE OF UNSOUND KNOTS LARGER THAN 1/2" DIAMETER. MATERIAL MUST BE OBTAINED FROM AN APPROVED FABRICATOR. ALL GLU-LAM BEAMS SHALL FIT SNUG AND TIGHT IN THEIR CONNECTIONS AND DEVELOP FULL BEARING AS INDICATED. PROVIDE AITC OR APA-EWS STAMP ON EACH MEMBER AND SUBMIT AITC OR APA-EWS CERTIFICATE, ADHESIVE TO BE "WET USE", INDUSTRIAL APPEARANCE GRADE,

### SUSPENDED CEILINGS

CEILING SYSTEMS AND THEIR CONNECTIONS TO THE BUILDING STRUCTURE SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE CISCA RECOMMENDATIONS FOR CISCA SEISMIC ZONES 3-4 AND THE ADDITIONAL REQUIREMENTS OF ASCE 7-16 SECTION 13.5.6.2.2. PROVIDE SPECIAL INSPECTION AS REQUIRED BY CODE.

### 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. FOUNDATION: SOILS ENGINEER TO INSPECT FOOTING EXCAVATIONS AND PROVIDE COMPACTION TESTS AS NOTED ABOVI

	COMPACTION TESTS AS NOTED ADOVE.
ONCRETE:	TAKE CONCRETE CYLINDERS AS REQUIRED, VERIFY SLUMP ANDSTRENGTH. SPECIAL INSPECTION IS REQUIRED DURING THE TAKING OFSPECIMENS AND PLACING OF ALL REINFORCED CONCRETE.
EINFORCING:	VERIFY ALL REINFORCING IS PLACED IN ACCORDANCE WITH THESE DRAWINGS. CHECK FOR REQUIRED COVER, SIZE, SPACING, LAP AND GRADE. SPECIAL INSPECTION IS REQUIRED DURING THE PLACING OF REINFORCING STEEL.
/ELDING:	SPECIAL INSPECTION IS REQUIRED DURING ALL STRUCTURAL WELDING. INSPECT ALL FIELD WELDING - VERIFY CERTIFICATION OF WELDERS. CONTRACTOR SHALL PAY FOR REWELDING AND REINSPECTION OF ALL WELDS NOT MEETING SPECS. INSPECTOR SHALL NOTIFY STRUCTURAL ENGINEER OF WELDS NOT MEETING SPECS.
ONC. EXPANS	ION

### & MASONRY ANCHORS

		M.B.S.
& DIVILLED-IN DOWLES.	MUST BE AVAILABLE AT JOB SITE VERIEY ANCHORS OR ADHESIVE	N.F.
	SYSTEM INSTALLATION IN ACCORDANCE WITH REPORT	N.T.S.
STEEL .	IN ACCORDANCE, WITH TABLE ON S0.3 AND REFERENCED	OC
STANDAR		0.F.
	CONTINUOUS INSPECTION:	0.S.
	SLIP-CRITICAL (SC) HIGH STRENGTH BOLTED CONNECTIONS.	0.T.O.
	COMPLETE AND PARTIAL PENETRATION GROOVE WELDS.	PL
	NON-DESTRUCTIVE TESTING IS REQUIRED FOR ALL COMPLETE	REINF
	PENETRATION WELDS - SHOP AND FIELD.	REM.
	MULTIPASS FILLET WELDS.	R.O.
	SINGLE-PASS FILLET WELDS GREATER THAN 5/16-INCH.	SECT.
	WELDING OF REINFORCING IN INTERMEDIATE AND SPECIAL MOMENT	SIM.
	FRAMES, BOUNDARY ELEMENTS OF SPECIAL REINFORCED	S.J
	CONCRETE SHEAR WALLS AND SHEAR REINFORCEMENT.	STL.
		SW
	CONFORM TO SPECIFIED ASTM STANDARDS REVIEW OF	SYMM
	MANUFACTURER'S CERTIFICATE OF COMPLIANCE.	T.
	INSTALLATION OF BEARING-TYPE BOLTED CONNECTIONS.	ТВ. 
	SINGLE-PASS FILLET WELDS 5/16-INCH OR LESS.	TF.
	FLOOR AND ROOF DECK WELDS.	TS.
	COLD-FORMED STEEL FRAME WELDING.	
	WELDING OF STAIRS AND RAILINGS.	IW.
	WELDING OF STUDS.	TYP.
	VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER	U.N.O.
	THAN ASTM A-706.	V.E.F.
	WELDING OF REINFORCING STEEL OTHER THAN THAT REQUIRING	VERI.
	CONTINUOUS INSPECTION.	
	STEEL JOINTS AND CONNECTIONS FOR COMPLIANCE WITH PLANS.	
LIGHT GAGE STEEL		
FRAMING:	VERIFY SIZE, GAGE AND SPACING. INSPECT WELDING. VERIFY	V.N.F.
	CERTIFICATION OF WELDERS.	V.N.F.
		W.A.B.

WOOD

CONSTRUCTION: CONTINUOUS INSPECTION: HIGH-LOAD DIAPHRAGMS NOTED ON PLANS.

PERIODIC INSPECTION:

NAILING, BOLTING OF ALL WALL ANCHORS, LEDGERS, DRAG

BEAMS AND CONNECTIONS, AND HOLD-DOWNS.

CALL ENGINEER FOR NAILING REVIEW PRIOR TO COVERING SHEAR WALLS AND DIAPHRAGMS.

### SHOP DRAWINGS

SUBMIT 4 SETS OF PRINTS (U.N.O. BY ARCHITECT) OR ELECTRONIC PDF FILES, OF SHOP DRAWINGS TO ENGINEER FOR REVIEW AFTER CONTRACTOR HAS REVIEWED & STAMPED FOR COMPLIANCE AND PRIOR TO FABRICATION FOR: STRUCTURAL STEEL, MISCELLANEOUS STEEL AND REINFORCING STEEL. WHEN SHOP DRAWING SUPPLIER MAKES A CHANGE FROM THESE DRAWINGS IT IS TO BE CLEARLY FLAGGED AND CLOUDED. CHANGES NOT FLAGGED AND CLOUDED ARE TO BE CONSIDERED AS UNACCEPTABLE EVEN WITHOUT BEING COMMENTED ON IN THE SHOP DRAWING REVIEW PROCESS. THE SUPPLIER OF THE ITEM CONTAINING THE CHANGE SHALL BE RESPONSIBLE FOR CHANGING THE ITEM BACK TO AGREE WITH THESE DRAWINGS AT NO COST TO THE OWNER AT E.N.W.'S OPTION. "SHOP DRAWINGS ARE AN ERECTION AID, AND STRUCTURAL DRAWINGS SHALL TAKE PRECEDENT OVER THE SHOP DRAWINGS ... ?

### 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

### ARCHITECT BALANCE BOTTOM BETWEEN BUILDING BEARING CAST IN PLACE CONSTRUCTION JOINT CENTERLINE CLEAR

ABBREVIATIONS

ARCH.

BTWN.

BLDG.

BRG.

C.I.P.

C.J.

CLR

CMU

COL.

CONC.

C.S.J.

EA.

E.E.

E.F.

E.J.

EQ.

E.S.

E.W.

F.O.C.

F.O.S.

F.O.W.

FTG.

GALV.

H. OR HORIZ.

G..B.

I.B.C.

I.C.C.

INC

L.W.

O.T.O.

REINF.

U.N.O.

V.E.F.

W/

W/O

W.H.S.

W.A.B.O

SYMM.

M.B.S.

GA.

EL. OR ELEV.

E.N.W. OR ENW

CL

B. OR BOT.

BAL.

CONCRETE MASONRY UNIT COLUMN CONCRETE **CLOSURE STRIP JOINT** 

EACH END EACH FACE EXPANSION JOINT ELEVATION ENGINEERS NORTHWEST

EACH

EQUAL

GAGE

EACH SIDE EACH WAY FACE OF CONCRETE FACE OF STUD FACE OF WALL

FOOTING HOT DIP GALVANIZED GYPSUM WALL BOARD

HORIZONTAL INTERNATIONAL BUILDING CODE INTERNATIONAL CODE COUNCIL

INSIDE FACE INCLUDING KIP (1000 POUNDS) LONG WAY

METAL BLDG SUPPLIER NEAR FACE

NOT TO SCALE ON CENTER OUTSIDE FACE

OUTSIDE OUT TO OUT PLATE

REINFORCING REMAINDER ROUGH OPENING

SECTIONS SIMILAR SHRINKAGE JOINT

SHEARWALL SYMMETRICAL

STEEL

TOP

VERIFY

WITH

AT

TOP OF BEAM TOP OF FOOTING TOP OF STEEL

TOP OF SLAB TOP OF WALL

TYPICAL AT ALL SIMILAR PLACES UNLESS NOTED OTHERWISE VERTICAL EACH FACE

VERTICAL VERTICAL FAR FACE

VERTICAL INSIDE FACE VERTICAL NEAR FACE

VERTICAL OUTSIDE FACE WASHINGTON ASSOC. OF BUILDING OFFICIALS

WITH OUT WELD HEAD STUD

## 2019 CBC WOOD CONSTRUCTION

## SPECIAL INSPECTION OF WOOD CONSTRUCTION

VERIFICATION & INSPECTION TASK	FREQUENCY C	F INSPECTION	REFERENCE FOR CRITERIA
	CONTINUOUS DURING TASK	PERIODIC DURING TASK	CBC SECTION
1. PREFABRICATED WOOD STRUCTURAL ELEMENTS SHALL BE IN ACCORDANCE WITH SECTION 1704.2.5		х	1704.2.5 1705.5
2. HIGH LOAD DIAPHRAGMS DESIGNED IN ACCORDANCE WITH SECTION 2306.2 TABLE 2306.2(2), THE INSPECTOR SHALL VERIFY:			
a. WOOD STRUCTURAL SHEATHING TO VERIFY THE GRADE AND THICKNESS SHOWN ON APPROVED BUILDING DRAWINGS.		Х	1705.5.1
b. THE NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES, NAIL OR STAPLE LENGTH, NUMBER OF FASTENER LINES, AND SPACING OF FASTENERS IN EACH LINE AND AT EDGE MARGING AGREES WITH APPROVED BUILDING DRAWINGS		х	1705.5.1

![](_page_11_Picture_107.jpeg)

![](_page_11_Figure_108.jpeg)

![](_page_12_Figure_0.jpeg)

JOIST MARK	JOIST TYPE	JOIST SPACING
J1	190HS 11 7/8"	16"oc
J2	190HS 11 7/8"	16"oc

![](_page_12_Picture_3.jpeg)

![](_page_12_Picture_4.jpeg)

![](_page_13_Figure_0.jpeg)

![](_page_13_Picture_1.jpeg)

![](_page_14_Figure_0.jpeg)

## WALL BRACING SCHEDULE

	STRAP			NUMBER OF SCREWS	
MARK	(50 k.s.i.)	HOLDOWN	GUSSET TO T. & B. TRACK	GUSSET TO DBL. STUDS	GUSSET TO
	1/2" G.W.B. (NO STRAP REQUIRED)	NONE	UNBLOCKEE	) SCREW @ 7"oc EDGES	& 7"oc FIELD
<b>2</b>	2" x 16GA.		8	18	10
3	3" x 16GA.	S/LTT20	12	25	15

1.) SCREWS MUST BE PLACED AT LEAST 3/4" APART AND MUST BE 3/4" FROM EDGE OR END OF ALL ME

## HOLDOWN SCHEDULE

HOLDOWN	ANCHORS	SCREWS
SIMPSON S/LTT20	1/2"Ø SIMPSON TITEN HD (EMBED 3 1/4") INSPECTED INSTALLATION I.C.C. ESR 2713	8 #10
SIMPSON S/HTT4	5/8"Ø SIMPSON TITEN HD (EMBED 3 1/4") INSPECTED INSTALLATION I.C.C. ESR 2713	18 #10
	INSPECTED INSTALLATION I.C.C. ESR 2713	

O STRAP
)
5
ETAL

		0 Z	DRAWING	REVISIONS	DATE	NO	DRAWING REVISIONS	DATE
	PROFESSION/						PERMIT SET	11-21-2022
CTURAL								
LEEKS P.S.	K★ No.5334 N							
WA 98036	The Poly of the Poly							
	DATE SIGNED: 11-21-2022							

![](_page_14_Picture_9.jpeg)

![](_page_14_Picture_10.jpeg)