EL CENTRO BEHAVIORAL HEALTH CLINIC

120 N. 8TH STREET, EL CENTRO, CA 92243

GENERAL NOTES

- 1. ALL WORK SHALL CONFORM TO THE LATEST ADOPTED EDITIONS OF ALL APPLICABLE BUILDING CODES, THE AMERICANS WITH DISABILITIES ACT AS WELL AS ALL OTHER LOCAL GOVERNING CODES AND ORDINANCES
- OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE EXECUTION OF THE WORK
- DAMAGE TO EXISTING WORK.
- 5. NO STRUCTURAL MEMBERS SHALL BE CUT TO ACCEPT PIPES, VENTS, DUCTS, ETC., EXCEPT AS DETAILED OR SPECIFIED HEREIN.
- 7. ALL ELECTRICAL, MECHANICAL, AND PLUMBING WORK SHALL CONFORM TO THE REQUIREMENTS OF LEGALLY CONSTITUTED AUTHORITIES HAVING JURISDICTION.
- 8. ALL GLASS AND GLAZING SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES AS WELL AS THE U.S. CONSUMER PRODUCT SAFETY COMMISSION, SAFETY STANDARDS FOR ARCHITECTURAL GLAZING MATERIALS (47 FR, 13516 TITLE #16, CHAPTER 11, PART 1201).
- 9. PROVIDE ATTIC DRAFT STOPS AND VENTILATION IN CONFORMANCE WITH ALL APPLICABLE BUILDING CODES.
- 10. EXTERIOR OPENINGS SHALL COMPLY WITH ALL SECURITY REQUIREMENTS AS OUTLINED IN ALL LOCAL BUILDING CODES AND/OR ORDINANCES.
- 11. CONTRACTOR SHALL ASSIST OWNER IN OBTAINING "CERTIFICATE OF OCCUPANCY" OR "OCCUPANCY PERMIT" AS NECESSARY.
- 12. GENERAL CONTRACTOR SHALL SEAL ALL GAPS, HOLES, AND CRACKS IN THE BUILDING CONSTRUCTION AS REQUIRED TO CONTROL INFILTRATION OF INSECTS AND RODENTS.
- 13 THE ARCHITECT SHALL HAVE NO CONTROL OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES; SAFETY PRECAUTIONS IN CONNECTION WITH THE PROJECT; CONTRACTOR S SCHEDULES OR FAILURE TO CARRY OUT THE PROJECT IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS; ACTS OR OMISSIONS OF THE CLIENT CONTRACTORS, SUB-CONTRACTORS, OR THEIR AGENTS OR EMPLOYEES PROVIDING SERVICES OR PERFORMING WORK ON THE PROJECT
- 14. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING ALL DRAWINGS AND NOTIFYING THE ARCHITECT, ENGINEERS, AND CONSULTANTS OF ANY CONFLICT IN THE DRAWINGS AND REQUESTING CLARIFICATION OR ADDITIONAL INFORMATION AS NEEDED.
- 15. THE DISCHARGE OF POLLUTANTS TO ANY STORM DRAINAGE SYSTEM IS PROHIBITED. NO SOLID WASTE, PETROLEUM BY PRODUCTS, SOIL PARTICULATE CONSTRUCTION WASTE MATERIALS, OR WASTEWATER GENERATED ON CONSTRUCTION SITES BY CONSTRUCTION ACTIVITIES SHALL BE PLACED, CONVEYED OR DISCHARGED INTO THE STREET, GUTTE BOR STO BM DR AIN SY ST EM.

16. PORTABLE FIRE EXTINGUISHERS WILL BE INSTALLED PER SECTION 906

17. NON-OSHPD-3 PROJECT

DEFERRED SUBMITTALS

SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING, THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL (PER CBC 2019 SEC. 107.3.4.1).

LIST OF DEFERRED SUBMITTALS:

1. N/A



BUILDING CODE ANALYSIS

PROJECT DATA

SYMBOLS

101

1

(A)

FIRE PROTECTION

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)

Floor construction and associated secondary members 2 2 1 0 1 0 2 2 1 HT

Roof construction and associated secondary members $1^{1/2}b$ 1^{bc} 0^{c} 1^{ba} 0 $1^{1/2}$ 1 HT 1^{bc}

TABLE 508.4
REQUIRED SEPARATION OF OCCUPANCIES (HOURS)

See Table 602

DETAIL REFERENCE

ELEVATION REFERENCE

SECTION REFERENCE

DOOR REFERENCE

ROOM REFERENCE

NOTE REFERENCE

REVISION REFERENCE

RESTROOM ACCESSORY

Primary structural frame (see Section 202)

Vonbearing walls and partitions

Nonbearing walls and partitions

R-2-20, R-30,

COLOR / FINISH

REFERENCE

REFERENCE

WINDOW REFERENCE

DETAIL REFERENCE

ELEVATION NUMBER

SHEET NUMBER

SECTION NUMBER

SHEET NUMBER

DOOR NUMBER

WINDOW NUMBER

REFERENCE NOTE

SEE COLOR FINISH NOTES

RESTROOM ACCESSORY

OR SCHEDULE SHEET

REVISION NUMBER

ROOM NUMBER

A NON-OSHPD-3 PROJECT

ZONING: CC - CIVIC CENTER

LEGAL DATA: APN #: 053-095-002

OCCUPANCY:

B S-1

TYPE OF CONSTRUCTION: TYPE VB, NON-SPRINKLERED

NO. OF STORIES: ONE - STORY

BLDG. HEIGHT:

SCOPE OF WORK:

PARTIAL DEMO & REMODEL OF THE EL CENTRO BEHAVIORAL HEALTH CLINIC, LOCATED ON 120 N. 8TH STREET.

LOT COVERAGE:

NET LOT AREA 33,600 BUILDING FOOTPRINT= 9,975 SF LOT COVERAGE = 9,975 / 33,600 = .3%

FLOOR AREA:

PROPERTY OWNER:

CITY OF EL CENTRO

EL CENTRO, CA 92243

ARCHITECT: YENNY NG

YENNY NG ARCHITECTS

1524 BROOKHOLLOW DR.,

SANTA ANA, CA 92705

TEL: (714) 426 2920

120 N. 8TH STREET,

HEALTH CLINIC:

STE. 6

EL CENTRO BEHAVIORAL

AREA FACTOR INCREASE = .27% (SEE SHEET X1.0 FOR CALCS.) ALLOWABLE AREA WITH INCREASE FACTOR = 11,430 S.F. OFFICES = 8,300 S.F. COVERED WALKS = 1,950 S.F.

PROJECT TEAM

STRUCTURAL ENGINEER:

LOS ANGELES, CA 90010

M.E.P.: ANTHONY WINSTON III

WINSTON ENGINEERING INC

8605 SANTA MONICA BLVD

TEL: (213) 351-0034

TEL: (951) 902-6600

SANG LEE

STE 63454

TOTAL = 10,250 S.F.AREA OF REMODEL = 10,250 S.F.

OCCUPANT LOAD:

DEVELOPMENT STANDARDS

BUILDING SETBACKS: SETBACK FROM STREETS

MAX. FAR:

- 0 FT REAR (ABBUTING NON-RES.) SIDE YARD SETBACKS: SIDE (INTERIOR SIDE) - 0 FT SIDE (EXTERIOR SIDE) - 0 FT

NO REQ. MAX LOT: [E.] LOT COVERAGE: - .31%

MAXIMUM BUILDING HEIGHT:

PARKING SPACES REQUIRED/ PROVIDED:

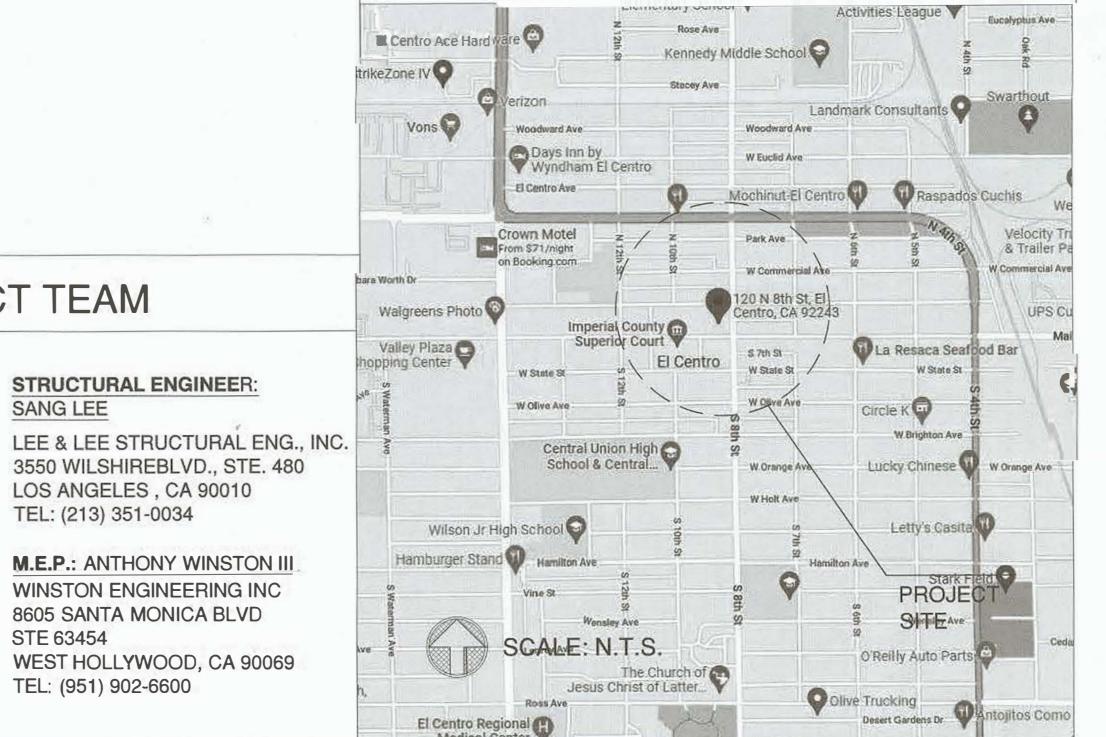
EXISTING PARKING STALLS TO REMAIN. TWO TO BE CONVERTED INTO A.D.A.

CURRENT CODES

ALL CONSTRUCTION SHALL COMPLY WITH:

- **CBC 2019 EDITION**
- B. CEC 2019 EDITION
- **CPC 2019 EDITION**
- D. CMC 2019 EDITION
- CA ENERGY CODE 2019 EDITION
- CA FIRE CODE 2019 EDITION
- CA GREEN BUILDING STANDARDS CODE 2019 EDITION

VICINITY MAP



INDEX OF DRAWINGS

ARCHITECTURAL SET A0.0 COVER SHEET

GN.1-3 GREEN BUILDING STANDARDS CODE

X1.0 DIAGRAMMATIC SITE PLAN (FRONTAGE INCREASE)

X2.1 EXISTING FLOOR PLAN X3.1 EXISTING ROOF PLAN

EXISTING ELEVATIONS X4.2 EXISTING ELEVATIONS

DEMOLITION PLAN

SITE PLAN / PATH OF TRAVEL

TRUNCATED DOMES & ADA PARKING

A1.2 MEANS OF EGRESS

OCCUPANCY

PROPOSED FLOOR PLAN ENLARGED PARTIAL PLAN A + C

ENLARGED PARTIAL PLAN B

PROPOSED REFLECTIVE CEILING PLAN

PROPOSED ROOF PLAN

PROPOSED EXTERIOR ELEVATIONS

PROPOSED EXTERIOR ELEVATIONS PROPOSED EXTERIOR ELEVATIONS

PROPOSED SECTION

A6.1 DOOR + WINDOW SCHEDULE

A6.2 FINISHES PLAN & SCHEDULE

AD.1-2 ARCHITECTURAL DETAILS

AD.3 A.D.A. DETAILS

AD.4 A.D.A. DETAILS & GEN. NOTES

AD.5 A.D.A. GENERAL NOTES

STRUCTURAL SET:

S-100 GENERAL NOTES & INFO

DETAILS

FOUNDATION PLAN ROOF FRAMING PLAN

MECHANICAL SET: M0.1 MECHANICAL NOTES & LEGEND

M0.2 MECHANICAL SCHEDULE

M1.0 MECHANICAL FLOOR PLANS

M1.1 MECHANICAL FLOOR PLANS

M2.0 MECHANICAL DETAILS

M2.1 MECHANICAL DETAILS

M2.2 MECHANICAL DETAILS

M3.0 MECHANICAL SPECIFICATIONS

M3,1 MECHANICAL SPECIFICATIONS

M4.0 ENERGY COMPLIANCE

M4.1 ENERGY COMPLIANCE

ELECTRICAL SET:

E1.0 GENERAL NOTES

E2.0 LIGHTING E2.1 LIGHTING CONTROLS & DETAILS

E2.2 T-24 LIGHTING CONT. / CONT. RECEPTACLE PLAN

EXT. PHOTOMETRICS

E2.4 EXT. PHOTOMETRICS

E2.5 EXT PHOTOMETRICS

E2.6 EXT. PHOTOMETRICS DETAILS

EMERGENCY PHOTOMETRICS E2.8 EMERGENCY PHOTOMETRICS

EMERGENCY PHOTOMETRIC DETAILS E3.0 POWER PLAN

SINGLE LINE DIAGRAM

E5.1 TITLE 24 FORMS

E5.2 TITLE 24 FORMS

E6.0 ELECTRICAL DETAILS

PLUMBING SET: P0.1 PLUMBING NOTES & LEGEND

P0.2 PLUMING SCHEDULE

P1.0 PLUMBING FLOOR PLANS P1.1 PLUMBING FLOOR PLANS

P1.2 PLUMBING FLOOR PLANS

P1.3 PLUMBING FLOOR PLANS P2.0 PLUMBING DETAILS

ALL PROPRIETARY PRODUCTS/ SPECIFICATIONS SHALL INCLUDE THE FOLLOWING "APPROVED EQUAL OR **BETTER" STATEMENT.**





20

08/01/22

SECTION 301 GENERAL

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

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

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

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

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

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

301.4 PUBLIC SCHOOLS AND COMMUNITY COLLEGES. (see GBSC) 301.5 HEALTH FACILITIES. (see GBSC)

SECTION 302 MIXED OCCUPANCY BUILDINGS

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

SECTION 303 PHASED PROJECTS

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

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

ABBREVIATION DEFINITIONS:

Department of Housing and Community Development California Building Standards Commission Division of the State Architect, Structural Safety

Office of Statewide Health Planning and Development Low Rise High Rise

Additions and Alterations

CHAPTER 5 NONRESIDENTIAL MANDATORY MEASURES

DIVISION 5.1 PLANNING AND DESIGN

SECTION 5.101 GENERAL

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

SECTION 5.102 DEFINITIONS 5.102.1 DEFINITIONS

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

stickers issued by the Department of Motor Vehicles.

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

LOW-EMITTING AND FUEL EFFICIENT VEHICLES. Eligible vehicles are limited to the following:

> 1. Zero emission vehicle (ZEV), including neighborhood electric vehicles (NEV), partial zero emission vehicle (PZEV), advanced technology PZEV (AT ZEV) or CNG fueled (original equipment manufacturer only) regulated under Health and Safety Code section 43800 and CCR, Title 13, Sections 1961 and 1962. High-efficiency vehicles, regulated by U.S. EPA, bearing High-Occupancy Vehicle (HOV) car pool lane

NEIGHBORHOOD ELECTRIC VEHICLE (NEV). A motor vehicle that meets the definition of "low-speed vehicle" either in Section 385.5 of the Vehicle Code or in 49CFR571.500 (as it existed on July 1, 2000), and is certified to zero-emission vehicle standards.

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

VANPOOL VEHICLE. Eligible vehicles are limited to any motor vehicle, other than a motortruck or truck tractor, designed for carrying more than 10 but not more than 15 persons including the driver, which is maintained and used primarily for the nonprofit work-related transportation of adults for the purpose of ridesharing.

Note: Source: Vehicle Code, Division 1, Section 668

ZEV. Any vehicle certified to zero-emission standards.

SECTION 5.106 SITE DEVELOPMENT 5.106.1 STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN ONE ACRE OF LAND. Newly constructed projects and additions which disturb less than one acre of land, and are not part of a larger common plan of development or sale, shall prevent the pollution of storm water runoff from the construction activities through one or more of the following measures:

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

5.106.1.2 Best Management Practices (BMPs). Prevent the loss of soil through wind or water erosion by

implementing an effective combination of erosion and sediment control and good housekeeping BMPs.

1. Soil loss BMPs that should be considered for implementation as appropriate for each project include,

but are not limited to, the following:

a. Scheduling construction activity during dry weather, when possible. b. Preservation of natural features, vegetation, soil, and buffers around surface waters.

c. Drainage swales or lined ditches to control stormwater flow. d. Mulching or hydroseeding to stabilize disturbed soils.

e. Erosion control to protect slopes. f. Protection of storm drain inlets (gravel bags or catch basin inserts).

g. Perimeter sediment control (perimeter silt fence, fiber rolls). Sediment trap or sediment basin to retain sediment on site. Stabilized construction exits.

k. Other soil loss BMPs acceptable to the enforcing agency. 2. Good housekeeping BMPs to manage construction equipment, materials, non-stormwater discharges

and wastes that should be considered for implementation as appropriate for each project include, but are not limited to, the following: a. Dewatering activities.

 b. Material handling and waste management. c. Building materials stockpile management.

Wind erosion control.

d. Management of washout areas (concrete, paints, stucco, etc.).

e. Control of vehicle/equipment fueling to contractor's staging area.

f. Vehicle and equipment cleaning performed off site.

g Spill prevention and control. h. Other housekeeping BMPs acceptable to the enforcing agency. 5.106.2 STORMWATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB ONE OR MORE ACRES OF LAND. Comply with all lawfully enacted stormwater discharge regulations for projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of a larger common plan of development sale.

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

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

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

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

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

5.106.4.1.1 Short-term bicycle parking. If the new project or an addition or alteration is anticipated to generate 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.

Exception: Additions or alterations which add nine or less visitor vehicular parking spaces. 5.106.4.1.2 Long-term bicycle parking. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5 percent of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.

5.106.4.1.3 For additions or alterations that add 10 or more tenant-occupant vehicular parking spaces, provide secure bicycle parking for 5 percent of the tenant vehicular parking spaces being added, with a minimum of one bicycle parking facility.

5.106.4.1.4 For new shell buildings in phased projects provide secure bicycle parking for 5 percent of the anticipated tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.

5.106.4.1.5 Acceptable bicycle parking facility for Sections 5.106.4.1.2, 5.106.4.1.3, and 5.106.4.1.4 shall be convenient from the street and shall meet one of the following:

Covered, lockable enclosures with permanently anchored racks for bicycles;

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

2. Lockable bicycle rooms with permanently anchored racks; or 3. Lockable, permanently anchored bicycle lockers.

Note: Additional information on recommended bicycle accommodations may be obtained from

5.106.4.2.1 Student bicycle parking. Provide permanently anchored bicycle racks conveniently

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

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

5.106.5.2 DESIGNATED PARKING FOR CLEAN AIR VEHICLES. In new projects or additions or alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as follows:

TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED SPACES		
0-9	0		
10-25	1		
25-50	3		
51-75	6		
76-100	8		
101-150	11		
151-200	16		
201 AND OVER	AT LEAST 8% OF TOTAL		

5.106.5.2.1 - Parking stall marking. Paint, in the paint used for stall striping, the following characters such that the lower edge of the last word aligns with the end of the stall striping and is visible beneath a parked vehicle: CLEAN AIR / VAN POOL / EV

Note: Vehicles bearing Clean Air Vehicle stickers from expired HOV lane programs may be considered eligible for designated parking spaces. 5.106.5.3 Electric vehicle (EV) charging. [N] Construction shall comply with Section 5.106.5.3.1

or Section 5.106.5.3.2 to facilitate future installation of electric vehicle supply equipment (EVSE). When EVSE(s) is/are installed, it shall be in accordance with the California Building Code, the California Electrical Code and as follows:

5.106.5.3.1 Single charging space requirements. [N] When only a single charging space is required per Table 5.106.5.3.3, a raceway is required to be installed at the time of construction and shall be installed in accordance with the California Electrical Code. Construction plans and specifications shall include, but are not limited to, the following:

1. The type and location of the EVSE.

2. A listed raceway capable of accommodating a 208/240 -volt dedicated branch circuit. 3. The raceway shall not be less than trade size 1".

4. The raceway shall originate at a service panel or a subpanel serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and listed

suitable cabinet, box, enclosure or equivalent 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.

5.106.5.3.2 Multiple charging space requirements. [N] When multiple charging spaces are required per Table 5.106.5.3.3 raceway(s) is/are required to be installed at the time of construction and shall be installed in accordance with the California Electrical Code. Construction plans and specifications shall include, but are not limited to, the following:

1. The type and location of the EVSE.

2. The raceway(s) shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and into listed suitable cabinet(s), box(es), enclosure(s) or equivalent.

3. Plan design shall be based upon 40-ampere minimum branch circuits. 4. Electrical calculations shall substantiate the design of the electrical system, to include the

rating of equipment and any on-site distribution transformers and have sufficient capacity to simultaneously charge all required EVs at its full rated amperage. 5. The service panel or subpanel(s) shall have sufficient capacity to accommodate the

required number of dedicated branch circuit(s) for the future installation of the EVSE.

5.106.5.3.3 EV charging space calculations. [N] Table 5.106.5.3.3 shall be used to determine if single or multiple charging space requirements apply for the future installation of EVSE.

Exceptions: On a case-by-case basis where the local enforcing agency has determined EV charging and infrastructure is not feasible based upon one or more of the following conditions:

additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the

2. Where there is evidence suitable to the local enforcing agency substantiating that

TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED SPACES
0-9	0
10-25	1
26-50	2
51-75	4
76-100	5
101-150	7
151-200	10
201 AND OVER	6% of total ¹

1. Calculation for spaces shall be rounded up to the nearest whole number.

1. Where there is insufficient electrical supply.

5.106.5.3.4 [N] Identification. The service panel or subpanel(s) circuit directory shall identify the 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".

5.106.5.3.5 [N] Future charging spaces qualify as designated parking as described in Section 5.106.5.2 Designated parking for clean air vehicles.

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

1. The minimum requirements in the California Energy Code for Lighting Zones 0-4 as defined in Chapter 10, Section 10-114 of the California Administrative Code; and

2. Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8); 3. Uplight and Glare ratings as defined in California Energy Code (shown in Tables 130.2-A and 130.2-B in

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]

Luminaires that qualify as exceptions in Section 140.7 of the California Energy Code.

3. Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6. 4. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8

Alternate materials, designs and methods of construction.

1. See also California Building Code, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways.

2. Refer to Chapter 8 (Compliance Forms, Worksheets and Reference Material) for IES TM-15-11 Table A-1. California Energy Code Tables 130.2-A and 130.2-B. 3. Refer to the California Building Code for requirements for additions and alterations.

ALLOWABLE RATING	LIGHTING ZONE	LIGHTING	LIGHTING	LIGHTING	LIGHTING
ALLOWABLE NATING	LZ0	ZONE LZ1	ZONE LZ2	ZONE LZ3	ZONE LZ4
MAXIMUM ALLOWABLE BACKLIGHT RATING 3					
Luminaire greater than 2 mounting heights (MH) from property line	N/A	No Limit	No Limit	No Limit	No Limit
Luminaire back hemisphere is 1-2 MH from property line	N/A	B2	В3	B4	B4
Luminaire back hemisphere is 0.5-1 MH from property line	N/A	B1	B2	В3	В3
Luminaire back hemisphere is less than 0.5 MH from property line	N/A	В0	В0	B1	B2
MAXIMUM ALLOWABLE UPLIGHT RATING (U)					
For area lighting 4	N/A	UO	UO	UO	UO
For all other outdoor lighting,including decorative luminaires	N/A	U1	U2	U3	UR
MAXIMUM ALLOWABLE GLARE RATING 5 (G)					
Luminaire greater than 2 MH from property line	N/A	G1	G2	G3	G4
Luminaire front hemisphere is 1-2 MH from property line	N/A	G0	G1	G1	G2
Luminaire front hemisphere is 0.5-1 MH from property line	N/A	G0	G0	G1	G1
Luminaire back hemisphere is					

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 Callifornia Administrative Code.

2. For property lines that abut public walkways, bikeways, plazas and parking lots, the property line may be considered to be 5 feet beyond the actual property line for purpose of determining compliance with this section. For property lines that abut public roadways and public transit corridors, the property line may be considered to be the centerline of the public roadway or public transit corridor for the purpose of determining compliance with this section.

3. If the nearest property line is less than or equal to two mounting heights from the back hemisphere of the luminaire distribution, the applicable reduced Backlight rating shall be met.

4. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet these reduced ratings. Decorative luminaires located in these areas shall meet U-value limits for "all other outdoor lighting".

5. If the nearest property line is less than or equal to two mounting heights from the front hemisphere of the luminaire distribution, the applicable reduced Glare rating shall be met.

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:

less than 0.5 MH from property

2. Water collection and disposal systems. 3. French drains.

4. Water retention gardens. 5. Other water measures which keep surface water away from buildings and aid in groundwater

Exception: Additions and alterations not altering the drainage path.

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

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

Exceptions: The surface parking area covered by solar photovoltaic shade structures, or shade structures, with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculations.

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

Exceptions: Playfields for organized sport activity are not included in the total area calculation. 5.106.12.3. Hardscape areas. Shade tree plantings, minimum #10 container size or equal shall be installed to

Exceptions: Walks, hardscape areas covered by solar photovoltaic shade structures, and hardscape areas covered by shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculation.

DIVISION 5.2 ENERGY EFFICIENCY

provide shade over 20 percent of the hardscape area within 15 years.

SECTION 5.201 GENERAL 5.201.1 Scope [BSC-CG]. California Energy Code [DSA-SS]. For the purposes of mandatory energy efficiency

standards in this code, the California Energy Commission will continue to adopt mandatory building standards. **DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION**

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

SECTION 5.302 DEFINITIONS

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

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

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

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

GRAYWATER. Pursuant to Health and Safety Code Section 17922.12, "graywater" means untreated wastewater that

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

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

(California Code of Regulations, Title 23, Division 2, Chapter 2.7), regulating landscape design, installation and maintenance practices. Local agencies are required to adopt the updated MWELO, or adopt a local ordinance at least as effective as the MWELO.

POTABLE WATER. Water that is drinkable and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards. See definition in the California Plumbing Code, Part 5. POTABLE WATER. [HCD] Water that is satisfactory for drinking, culinary, and domestic puroses, and meets the U.S.

RECYCLED WATER. Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur [Water Code Section 13050 (n)]. Simply put, recycled water is water

Environmental Protection Agency (EPA) Drinking Water Standards and the requirements of the Health Authority

treated to remove waste matter attaining a quality that is suitable to use the water again. SUBMETER. A meter installed subordinate to a site meter. Usually used to measure water intended for one purpose, such as landscape irrigation. For the purposes of CALGreen, a dedicated meter may be considered a submeter.

WATER BUDGET. Is the estimated total landscape irrigation water use which shall not exceed the maximum applied water allowance calculated in accordance with the Department of Water Resources Model Efficient Landscape Ordinance (MWELO).

SECTION 5.303 INDOOR WATER USE **5.303.1 METERS.** Separate submeters or metering devices shall be installed for the uses described in Sections

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

1. For each individual leased, rented or other tenant space within the building projected to consume

more than 100 gal/day (380 L/day), including, but not limited to, spaces used for laundry or cleaners,

restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop. 2. Where separate submeters for individual building tenants are unfeasible, for water supplied to the

a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s). b. Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s). c. Steam and hot water boilers with energy input more than 500,000 Btu/h (147 kW).

5.303.1.2 Excess consumption. A separate submeter or metering device shall be provided for any tenant

within a new building or within an addition that is projected to consume more than 1,000 gal/day. 5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and

urinals) and fittings (faucets and showerheads) shall comply with the following: 5.303.3.1 Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gailons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type toilets.

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

5,303.3,2 Urinals. 5.303.3.2.1 Wall-mounted Urinals. The effective flush volume of wall-mounted uninals shall not exceed

not exceed 0.5 gallons per flush.

5.303.3.2.2 Floor-mounted Urinals. The effective flush volume of floor-mounted or other urinals shall

5,303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.

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

> **ALL PROPRIETARY PRODUCTS/** SPECIFICATIONS SHALL INCLUDE THE FOLLOWING "APPROVED EQUAL OR BETTER" STATEMENT.

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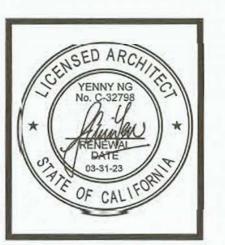
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NONRESIDENTIAL MANDATORY MEASURES, SHEET 2 (January 2020, Includes August 2019 Supplement) SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT 5.407.1 WEATHER PROTECTION. Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1402.2 (Weather Protection), manufacturer's installation instructions or local

such openings plus at least one of the following:

ordinance, whichever is more stringent. 5.303.3.4.1 Nonresidential Lavatory faucets. Lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi. 5.303.3.4.2 Kitchen faucets. Kitchen faucets shall have a maximum flow rate of not more than 1.8 5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures. gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate,

but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons

5.303.3.4.3 Wash fountains. Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute/20 [rim space (inches) at 60 psi]. 5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per cycle.

5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a

maximum flow rate of not more than 0.20 gallons per minute/20 [rim space (inches) at 60 psi]. Note: Where complying faucets are unavailable, aerators or other means may be used to achieve

5.303.4 COMMERCIAL KITCHEN EQUIPMENT.

5.303.3.4 Faucets and fountains.

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

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

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

SECTION 5.304 OUTDOOR WATER USE 5.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent.

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

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

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

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

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

DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE **EFFICIENCY**

SECTION 5.401 GENERAL

5.401.1 SCOPE. The provisions of this chapter shall outline means of achieving material conservation and resource efficiency through protection of buildings from exterior moisture, construction waste diversion, employment of techniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting.

SECTION 5.402 DEFINITIONS

5.402.1 DEFINITIONS. The following terms are defined in Chapter 2 (and are included here for reference) ADJUST. To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust

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

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

ORGANIC WASTE. Food waste, green waste, landscape and pruning wste, nonhazardous wood waste, and food

soiled paper waste that is mixed in with food waste. **TEST.** A procedure to determine quantitative performance of a system or equipment 5.407.2 MOISTURE CONTROL. Employ moisture control measures by the following methods.

5.407.2.2 Entries and openings. Design exterior entries and/or openings subject to foot traffic or wind-driven

rain to prevent water intrusion into buildings as follows: 5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water

intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to

1. An installed awning at least 4 feet in depth.

The door is protected by a roof overhang at least 4 feet in depth. The door is recessed at least 4 feet.

4. Other methods which provide equivalent protection. 5.407.2.2.2 Flashing. Install flashings integrated with a drainage plane.

meet a local construction and demolition waste management ordinance, whichever is more stringent.

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

5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and

demolition waste management ordinance, submit a construction waste management plan that:

1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale. 2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or

3. Identifies diversion facilities where construction and demolition waste material collected will be taken 4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated

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

Note: The owner or contractor shall make the determination if the construction and demolition waste material

will be diverted by a waste management company.

Exceptions to Sections 5.408.1.1 and 5.408.1.2:

by weight or volume, but not by both.

 Excavated soil and land-clearing debris. 2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.

Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.

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

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

1. 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. 2. Mixed construction and demolition debris processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

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

Note: Refer to the Universal Waste Rule link at: http://www.dtsc.ca.gov/LawsRegsPolicies/Regs/upload/OEAR-A_REGS_UWR_FinalText.pdf

Food and Agriculture. (www.cdfa.ca.gov)

ordinance, if more restrictive.

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

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

1. If contamination by disease or pest infestation is suspected, contact the County Agricultural

Commissioner and follow its direction for recycling or disposal of the material. 2. For a map of know pest and/or disease quarantine zones, consult with the California Department of

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

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

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

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

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

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

5.410.2 COMMISSIONING. [N] New buildings 10,000 square feet and over. For new buildings 10,000 square feet and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements. Commissioning shall be performed in accordance with this section by trained personnel with experience on projects of

comparable size and complexity. For I-occupancies that are not regulated by OSHPD or for I-occupancies and L-occupancies that are not regulated y the California Energy Code Section 100.0 Scope, all requirements in Sections 5.410.2 through 5.410.2.6 shall apply.

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

Commissioning requirements shall include:

1. Owner's or Owner representative's project requirements.

Basis of design. 3. Commissioning measures shown in the construction documents.

Commissioning plan. Functional performance testing. 6. Documentation and training.

Exceptions:

Commissioning report.

. Unconditioned warehouses of any size. 2. Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within

unconditioned warehouses. 3. Tenant improvements less than 10,000 square feet as described in Section 303.1.1.

4. Open parking garages of any size, or open parking garage areas, of any size, within a structure.

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

Informational Notes:

1. IAS AC 476 is an accreditation criteria for organizations providing training and/or certification of commissioning personnel. AC 476 is available to the Authority Having Jurisdiction as a reference for qualifications of commissioning personnel. AC 476 des not certify individuals to conduct functional performance tests or to adjust and balance systems.

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

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

project begins. This documentation shall include the following: 1. Environmental and sustainability goals.

2. Building sustainable goals.

Equipment and systems expectations.

3. Indoor environmental quality requirements. 4. Project program, including facility functions and hours of operation, and need for after hours

Building occupant and operation and maintenance (O&M) personnel expectations.

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

 Renewable energy systems. Landscape irrigation systems.

Water reuse system.

General project information.

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

Commissioning goals. 3. Systems to be commissioned. Plans to test systems and components shall include:

a. An explanation of the original design intent. b. Equipment and systems to be tested, including the extent of tests.

c. Functions to be tested. d. Conditions under which the test shall be performed.

e. Measurable criteria for acceptable performance. 4. Commissioning team information.

5. Commissioning process activities, schedules and responsibilities. Plans for the completion of commissioning shall be included. 5.410.2.4 Functional performance testing. [N] Functional performance tests shall demonstrate the correct

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

5.410.2.5 Documentation and training. [N] A Systems Manual and Systems Operations Training are required,

including Occupational Safety and Health Act (OSHA) requirements in California Code of Regulations (CCR),

Title 8, Section 5142, and other related regulations. 5.410.2.5.1 Systems manual. [N] Documentation of the operational aspects of the building shall be

completed within the systems manual and delivered to the building owner or representative. The

systems manual shall include the following:

1. Site information, including facility description, history and current requirements. 2. Site contact information.

3. Basic operations and maintenance, including general site operating procedures, basic troubleshooting, recommended maintenance requirements, site events log.

4. Major systems 5. Site equipment inventory and maintenance notes.

6. A copy of verifications required by the enforcing agency or this code. 7. Other resources and documentation, if applicable.

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

report and shall include the following: 1. System/equipment overview (what it is, what it does and with what other systems and/or

equipment it interfaces). 2. Review and demonstration of servicing/preventive maintenance.

3. Review of the information in the Systems Manual. 4. Review of the record drawings on the system/equipment.

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

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

5.410.4.2 (Reserved)

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

5.410.4,2 Systems. Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include at a minimum, as applicable to the project:

1. Renewable energy systems 2. Landscape irrigation systems.

Water reuse systems.

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

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

5.410.4.4 Reporting. After completion of testing, adjusting and balancing, provide a final report of testing

signed by the individual responsible for performing these services.

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

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

DIVISION 5.5 ENVIRONMENTAL QUALITY

SECTION 5.501 GENERAL 5.501.1 SCOPE. The provisions of this chapter shall outline means of reducing the quantity of air contaminants that are odorous, imitating, 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

1 BTU/HOUR. British thermal units per hour, also referred to as Btu. The amount of heat required to raise one pound of water one degree Fahrenheit per hour, a common measure of heat transfer rate. A ton of refrigeration is 12,000 Btu, the amount of heat required to melt a ton (2,000 pounds) of ice at 320 Fahrenheit.

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

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

Note: See CCR, Title 17, Section 93120.1.

adjustments have been made.

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

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

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 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 support equipment, tractors, boats, and the like, are not included.

ELECTRIC VEHICLE CHARGING STATION(S) (EVCS)). One or more spaces intended for charging electric vehicles.

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.

the fluctuating noise level integrated over the time of period of interest. EXPRESSWAY. An arterial highway for through traffic which may have partial control of access, but which may or may

ENERGY EQUIVALENT (NOISE) LEVEL (Leq). The level of a steady noise which would have the same energy as

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

gas relative to an equivalent unit of carbon dioxide over a given period of time. Carbon dioxide is the reference compound with a GWP of one. GLOBAL WARMING POTENTIAL VALUE (GWP VALUE). A 100-year GWP value published by the Intergovernmental Panel on Climate Change (IPCC) in either its Second Assessment Report (SAR) (IPCC, 1995); or

its Fourth Assessment A-3 Report (AR4) (IPCC, 2007). The SAR GWP values are found in column "SAR (100-yr)" of

GLOBAL WARMING POTENTIAL (GWP). The radiative forcing impact of one mass-based unit of a given greenhouse

Table 2.14.; the AR4 GWP values are found in column "100 yr" of Table 2.14 HIGH-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that is: (a) a chlorofluorocarbon, a hdrochlorofluorocarbon, a hydrofluorocarbon, a perfluorocarbon, or any compound or blend of compounds, with a GWP value equal to or greater than 150, or (B) any ozone depleting substance as defined in Title 40 of the Code of

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

LOW-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that: (A) has a GWP value less than 150, and (B) is not an ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009). MERV. Filter minimum efficiency reporting value, based on ASHRAE 52.2-1999.

MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a

compound to the "Base REactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundreths of a gram (g O³/g ROC). PRODUCT-WEIGHTED MIR (PWMIR). The sum of all weighted-MIR for all ingredients in a product subject to this

article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of

product (excluding container and packaging).

not be divided or have grade separations at intersections.

PSIG. Pounds per square inch, guage. REACTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to

ozone formation in the troposphere. SCHRADER ACCESS VALVES. Access fittings with a valve core installed.

Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009).

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

SUPERMARKET. For the purposes of Section 5.508.2, a supermarket is any retail food facility with 8,000 square feet or more conditioned area, and that utilizes either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units. VOC. A volatile organic compound broadly defined as a chemical compound based on carbon chains or rings with

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.

vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain

SECTION 5.503 FIREPLACES

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

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

SECTION 5.504 POLLUTANT CONTROL

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

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

> ALL PROPRIETARY PRODUCTS/ SPECIFICATIONS SHALL INCLUDE THE FOLLOWING "APPROVED EQUAL OR BETTER" STATEMENT.

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5.504.4 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with Sections 5,504.4.1 through

5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards: 1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.

2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing

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

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

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

Less Water and Less Exempt Compounds in	Grams per Liter			
SEALANTS	CURRENT VOC LIMIT			
ARCHITECTURAL	250			
MARINE DECK	760			
NONMEMBRANE ROOF	300			
ROADWAY	250			
SINGLE-PLY ROOF MEMBRANE	450			
OTHER	420			
SEALANT PRIMERS				
ARCHITECTURAL				
NONPOROUS	250			
POROUS	775			
MODIFIED BITUMINOUS	500			
MARINE DECK	760			
OTHER	750			

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

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

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

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

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

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

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

5.504.4.4 Carpet Systems. All carpet installed in the building interior shall meet at least one of the testing and

Carpet and Rug Institute's Green Label Plus Program.

2. Field verification of on-site product containers

2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1, February 2010 (also known as CDPH Standard Method V1.1 or Specification 01350). 3. NSF/ANSI 140 at the Gold level or higher;

4. Scientific Certifications Systems Sustainable Choice; or 5. Compliant with the Collaborative for High Performance Schools California (2014 CA-CHPS) Criteria

listed in the CHPS High Performance Product Database.

5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute Green Label program.

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

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

> 5.504.4.5.3 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:

Product certifications and specifications. Chain of custody certifications.

Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.).

4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269 or European 636 3S

Other methods acceptable to the enforcing agency.

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER M	ILLION
PRODUCT	CURRENT LIMIT
HARDWOOD PLYWOOD VENEER CORE	0.05
HARDWOOD PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.09
MEDIUM DENSITY FIBERBOARD	0.11
THIN MEDIUM DENSITY FIBERBOARD₂	0.13

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

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

5.504.4.6 Resilient flooring systems. For 80 percent of floor area receiving resilient flooring, installed resilient flooring shall meet at least one of the following:

1. Certified under the Resilient Floor Covering Institute (RFCI) FloorScore program; 2. Compliant with the VOC-emission limits and testing requirements specified in the California

Department of Public Health's 2010 Standard Method for the Testing and Evaluation Chambers, Version 1.1, February 2010; 3. Compliant with the Collaborative for High Performance Schools California (2014 CA-CHPS) Criteria

and listed in the CHPS High Performance Product Database; or 4. Products certifled under UL GREENGUARD Gold (formerly the Greenguard Children's & Schools

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

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

Exceptions: Existing mechanical equipment.

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

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

SECTION 5.505 INDOOR MOISTURE CONTROL

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

SECTION 5.506 INDOOR AIR QUALITY

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

5.506.2 CARBON DIOXIDE (CO2) MONITORING. For buildings or additions equipped with demand control ventilation, CO2 sensors and ventilation controls shall be specified and installed in accordance with the requirements of the California Energy Code, Section 120(c)(4).

SECTION 5.507 ENVIRONMENTAL COMFORT

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

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

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

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

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

Exceptions:

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

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

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

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

5.507.4.2.1 Site Features. Exterior features such as sound walls or earth berms may be utilized as

appropriate to the building, addition or alteration project to mitigate sound migration to the interior.

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

5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant

spaces and public places shall have an STC of at least 40.

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

SECTION 5.508 OUTDOOR AIR QUALITY 5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, refrigeration and fire suppression

equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.

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

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

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

Exception: Refrigeration systems containing low-global warming potential (low-GWP) refrigerant with a GWP value less than 150 are not subject to this section. Low-GWP refrigerants are nonozone-depleting refrigerants that include ammonia, carbon dioxide (CO₂), and potentially other refrigerants.

refrigerant systems except as noted below.

5.508.2.1 Refrigerant piping. Piping compliant with the California Mechanical Code shall be installed to be accessible for leak protection and repairs. Piping runs using threaded pipe, copper tubing with an outside

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

diameter (OD) less than 1/4 inch, flared tubing connections and short radius elbows shall not be used in

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

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

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

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

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

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

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

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

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

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

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

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

5.508.2.2.2.1 Chain tethers. Chain tethers to fit ovr the stem are required for valves

5.508.2.3 Refrigerated service cases. Refrigerated service cases holding food products containing vinegar and

sait shall have evaporator coils of corrosion-resistant material, such as stainless steel; or be coated to prevent corrosion from these substances.

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

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

5.508.2.5.1 Minimum pressure. The system shall be charged with regulated dry nitrogen and

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

appropriate tracer gas to bring system pressure up to 300 psig minimum.

5.508.2.5.2 Leaks. Check the system for leaks, repair any leaks, and retest for pressure using the same 5.508.2.5.3 Allowable pressure change. The system shall stand, unaltered, for 24 hours with no more

than a +/- one pound pressure change from 300 psig, measured with the same gauge. 5.508.2.6 Evacuation. The system shall be evacuated after pressure testing and prior to charging.

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

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

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

CHAPTER 7

INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS

702 QUALIFICATIONS

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

State certified apprenticeship programs.

Public utility training programs.

3. Training programs sponsored by trade, labor or statewide energy consulting or verification organizations. 4. Programs sponsored by manufacturing organizations. Other programs acceptable to the enforcing agency.

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

Certification by a national or regional green building program or standard publisher. Certification by a statewide energy consulting or verification organization, such as HERS raters, building

performance contractors, and home energy auditors. Successful completion of a third party apprentice training program in the appropriate trade.

4. Other programs acceptable to the enforcing agency.

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. 2. HERS raters are special inspectors certified by the California Energy Commission (CEC) to rate homes in California according to the Home Energy Rating System (HERS).

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

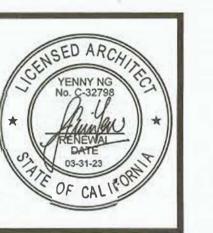
Note: Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

703 VERIFICATIONS

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

> **ALL PROPRIETARY PRODUCTS/** SPECIFICATIONS SHALL INCLUDE THE FOLLOWING "APPROVED EQUAL OR BETTER" STATEMENT.





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506.1 THE FLOOR AREA OF A BUILDING SHALL BE DETERMINED BASED ON THE TYPE OF CONSTRUCTION, OCCUPANCY CLASSIFICATION, WHETHER THERE IS AN AUTOMATIC SPRINKLER SYSTEM INSTALLED THROUGHOUT THE BUILDING AND THE AMOUNT OF BUILDING FRONTAGE

ON PUBLIC WAY OR OPEN SPACE. PER TABLE 506.2- ALLOWABLE AREA FACTOR (TYPE V-B CONSTRUCTION,

NON SPRINKLERED):

9,000 SF 506.2 ALLOWABLE ARE DETERMINATION. THE ALLOWABLE AREA OF A APPLICABLE PROVISIONS OF SECTION 506.2.1 THROUGH 505.2.4 AND

506.2.1 SINGLE OCCUPANCY, ONE-STORY BUILDINGS. THE ALLOWABLE AREA OF A SINGLE-OCCUPANCY BUILDING WITH NO MORE THAN ONE STORY ABOVE GRADE PLANE SHALL BE DETERMINED IN **ACCORDANCE WITH EQUATION 5-1**

 $Aa = At + (NS \times If)$

Aa = ALLOWABLE AREA (SQUARE FEET).

At = TABULAR ALLOWABLE AREA FACTOR (NS,S1,S13R OR S13D VALUE IS APPLICABLE) PER TABLE 506.2.

NS = TABULAR ALLOWABLE AREA FACTOR PER TABLE 506.2 FOR NONSPRINKLERED BLDG

IF = AREA FACTOR INCREASE DUE TO FRONTAGE (PERCENT) PER SECTION 506.3.

506.3 FRONTAGE INCREASE. EVERY BUILDING SHALL ADJOIN OR HAVE ACCESS TO A PUBLIC WAY TO RECEIVE AN AREA FACTOR INCREASE BASED ON FRONTAGE. AREA FACTOR INCREASE SHALL BE DETERMINED IN ACCORDANCE WITH SECTIONS 506.3.1-506.3.3.

506.3.1 MINIMUM PERCENTAGE OF PERIMETER. TO QUALIFY FOR AN AREA FACTOR INCREASE BASED ON FRONTAGE, A BUILDING SHALL HAVE NOT LESS THAN 25 PERCENT OF ITS PERIMETER ON A PUBLIC WAY OR OPEN SPACE. SUCH OPEN SPACE SHALL BE EITHER ON THE SAME LOT OR DEDICATED FOR PUBLIC USE AND SHALL BE ACCESSED FROM A STREET OR APPROVED FIRE LANE.

506.3.2 MINIMUM FRONTAGE DISTANCE. TO QUALIFY FOR AN AREA FACTOR INCREASE BASED ON FRONTAGE. THE PUBLIC WAY OR OPEN SPACE ADJACENT TO THE BUILDING PERIMETER SHALL HAVE A MINIMUM DISTANCE (W) OF 20 FEET MEASURED AT RIGHT ANGLES FROM THE BUILDING FACE TO ANY OF THE FOLLOWING:

> 1-THE CLOSEST INTERIOR LOT LINE. 2-THE ENTIRE WIDTH OF A STREET, ALLEY OR PUBLIC WAY. 3-THE EXTERIOR FACE OF AN ADJACENT BUILDING ON THE

SAME PROPERTY. WHERE THE VALUE OF W IS GREATER THAN 30 FEET, A VALUEO 30 FEET SHALL BEUSED IN CALCULATING THE BUILDING AREA INCREASE BASED ON FRONTAGE, REGARDLESS OF THE ACTUAL WIDTH OF THE PUBLIC WAY OR OPEN SPACE.

506.3.3 AMOUNT OF INCREASE. THE AREA FACTOR INCREASE BASED ON FRONTAGE SHALL BE DETERMINED IN ACCORDANCE WITH EQUATION

IF = [F/P - 0.25]W/30 (EQUATION 5-5)

WHERE: IF = AREA FACTOR INCREASE DUE TO FRONTAGE.

F = BLDG. PERIMETER (FT) FRONTS ON A PUBLIC WAY OR OPEN SPACE HAVING MIN. DISTANCE OF 20 FT.

P = PERIMETER OF ENTIRE BUILDING (FEET). W = WIDTH OF PUBLIC WAY OR OPEN SPACE (FEET) IN ACCORDANCE WITH SEC. 506.3.2.

ALLOWABLE AREA CALCULATIONS:

 $W = (L_1 \times W_1 + L_2 \times W_2 + L_3 \times W_3) / F$

PEREMETER = 675'

FRONTAGE = 394'

W = (128X20 + 130X20 + 110X30 + 26X30) / 394W = (2,560 + 2,600 + 3,300 + 780) / 394

W = 9,240 / 392 = 23.45

W=23.45

 $I_f = [F/P - .25] W/30$

 $I_f = [\frac{394}{675} - .25] 23.45 / 30$

 $I_f = .34 \times 23.45 / 30$ $I_f = .27$

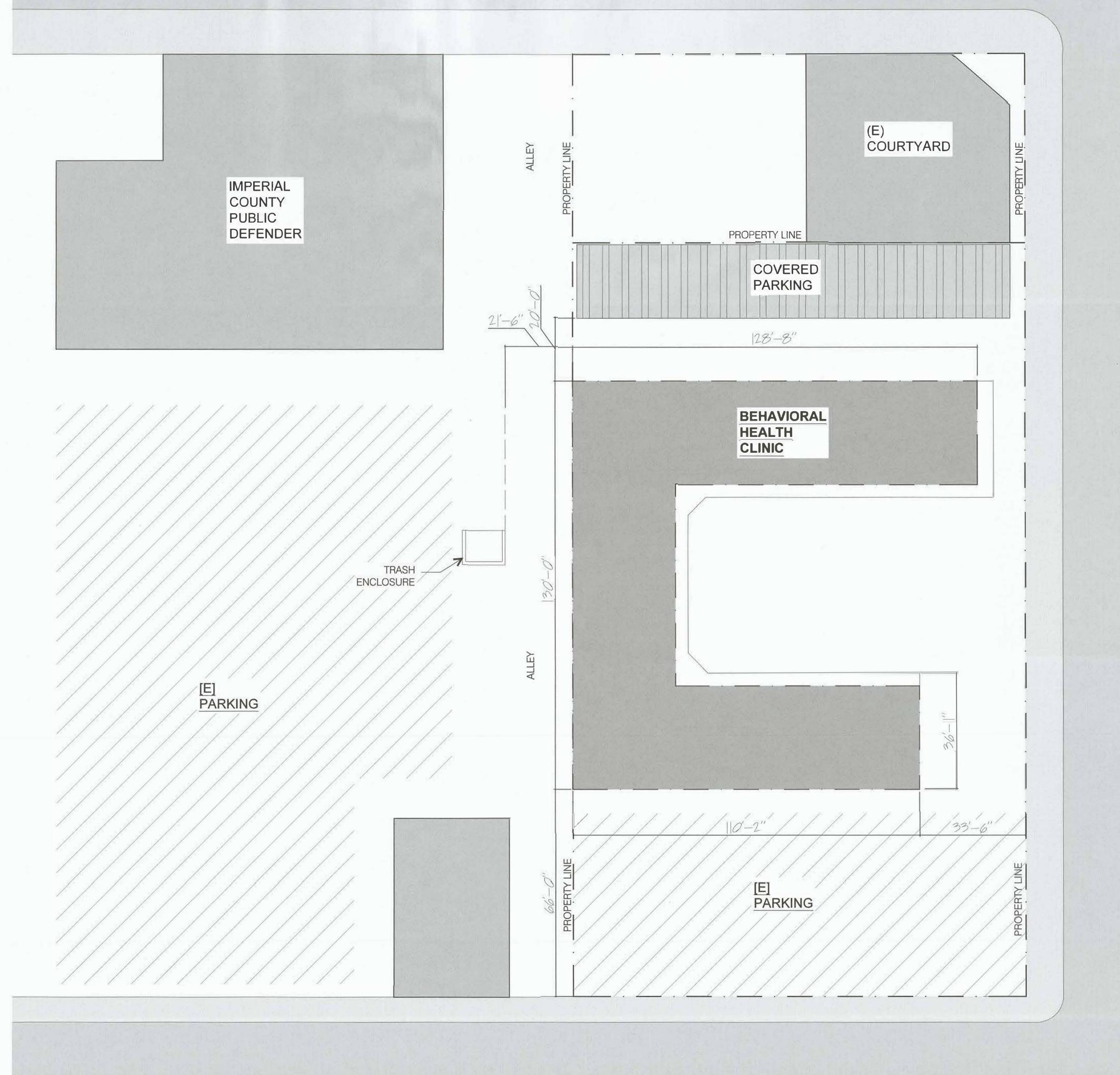
 $A_a = A_t + (NS X I_f)$

 $A_a = 9,000 + (9,000 \times .27)$

ALLOWABLE: 11,430 S.F.

ALL PROPRIETARY PRODUCTS/ SPECIFICATIONS SHALL INCLUDE THE FOLLOWING "APPROVED EQUAL OR BETTER" STATEMENT.

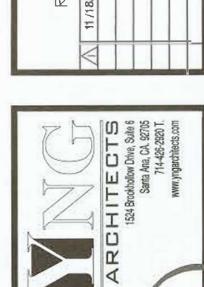
ALL KNOWN PROPERTY LINES, EASEMENTS & BUILDINGS, EXISTING & PROPOSED, ARE INDICATED ON THIS DIAGRAMMATIC SITE PLAN.



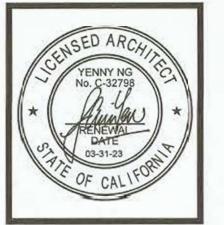
MAIN ST.







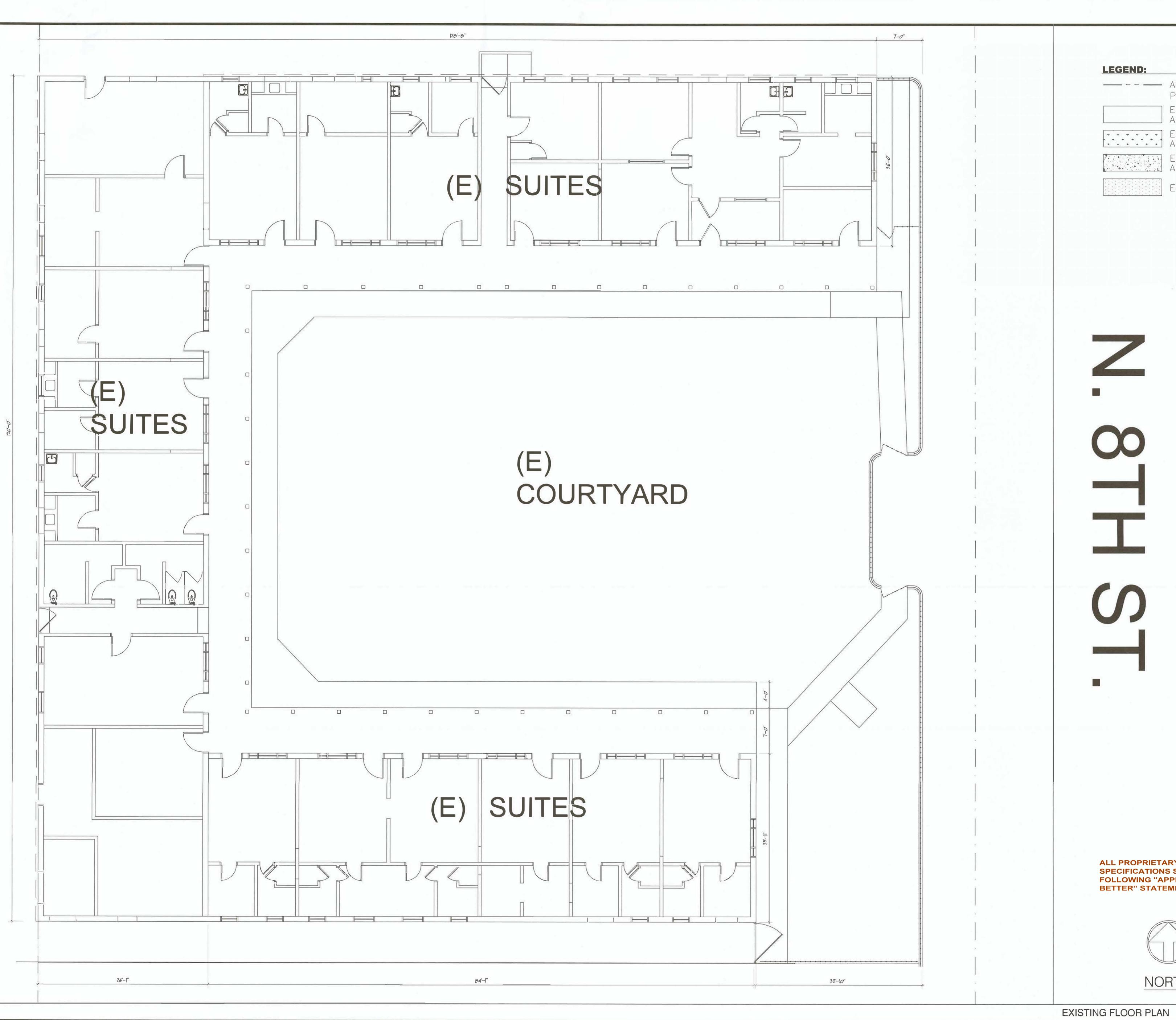




NG 8th

20

DIAGRAMMATIC SITE FRONTAGE INCREAS



LEGEND:

---- ASSUMED PROPERTY LINE

EXIST. ASPHALT AREAS

EXIST. LANDSCAPE AREAS

EXIST. CONCRETE AREAS/SIDEWALK

EXIST. DIRT AREA

ALL PROPRIETARY PRODUCTS/ SPECIFICATIONS SHALL INCLUDE THE FOLLOWING "APPROVED EQUAL OR BETTER" STATEMENT.



NORTH

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



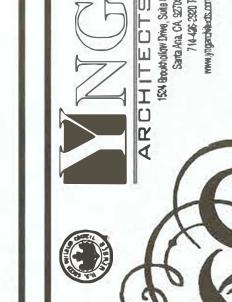


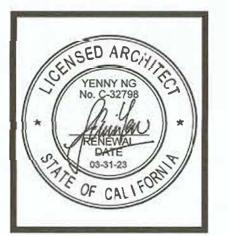




B.M./ L.W.







REMODEL & RE-ROOFING

120 N. 8th. STREET, EL CENTRO, CA 922

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EXISTING ROOF PLAN

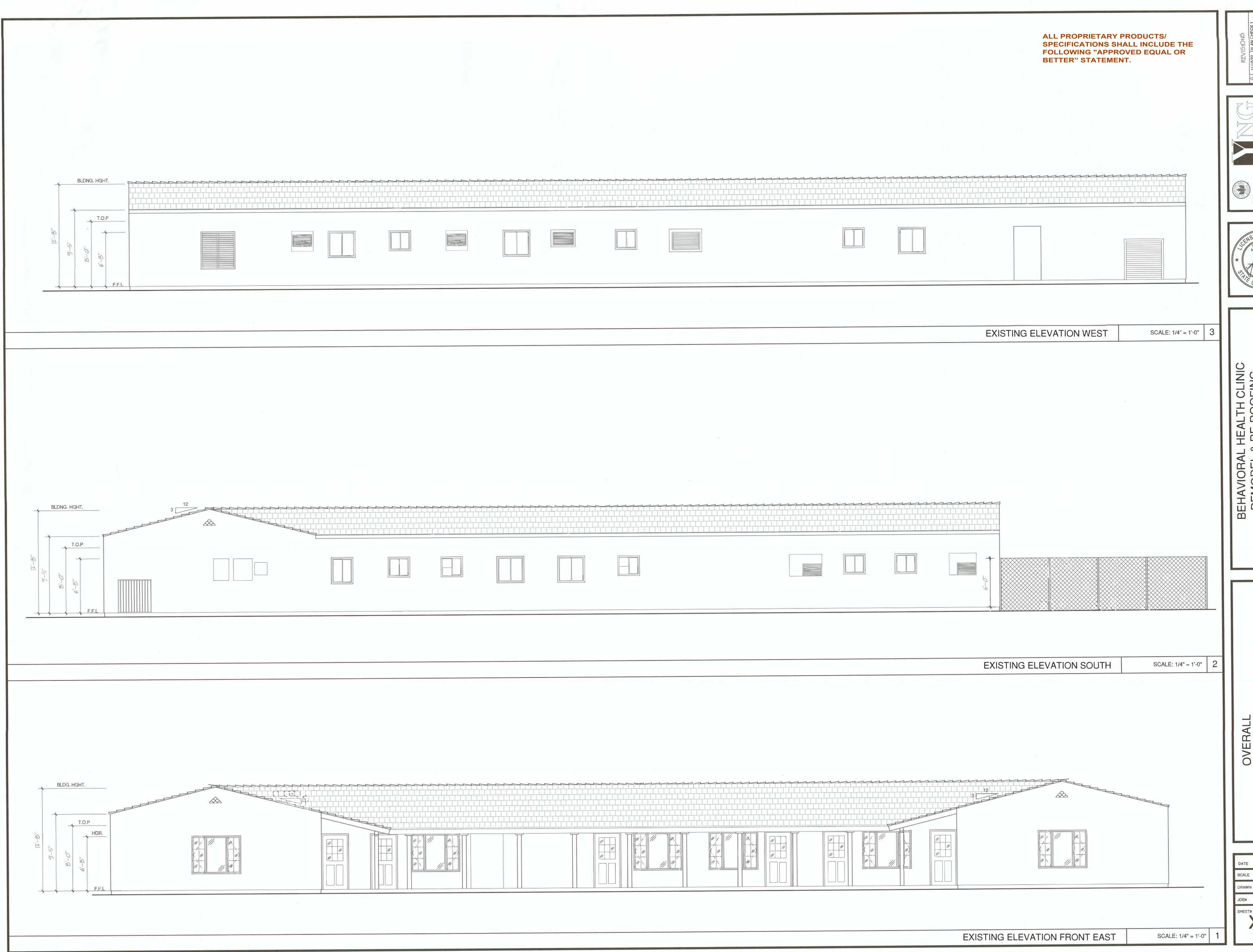
DATE 08/01/2

SCALE

DRAWN B.M./ L.W.

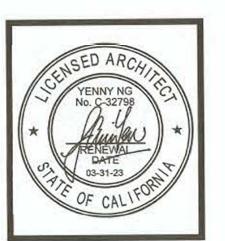
DB# YP22005
HEET#

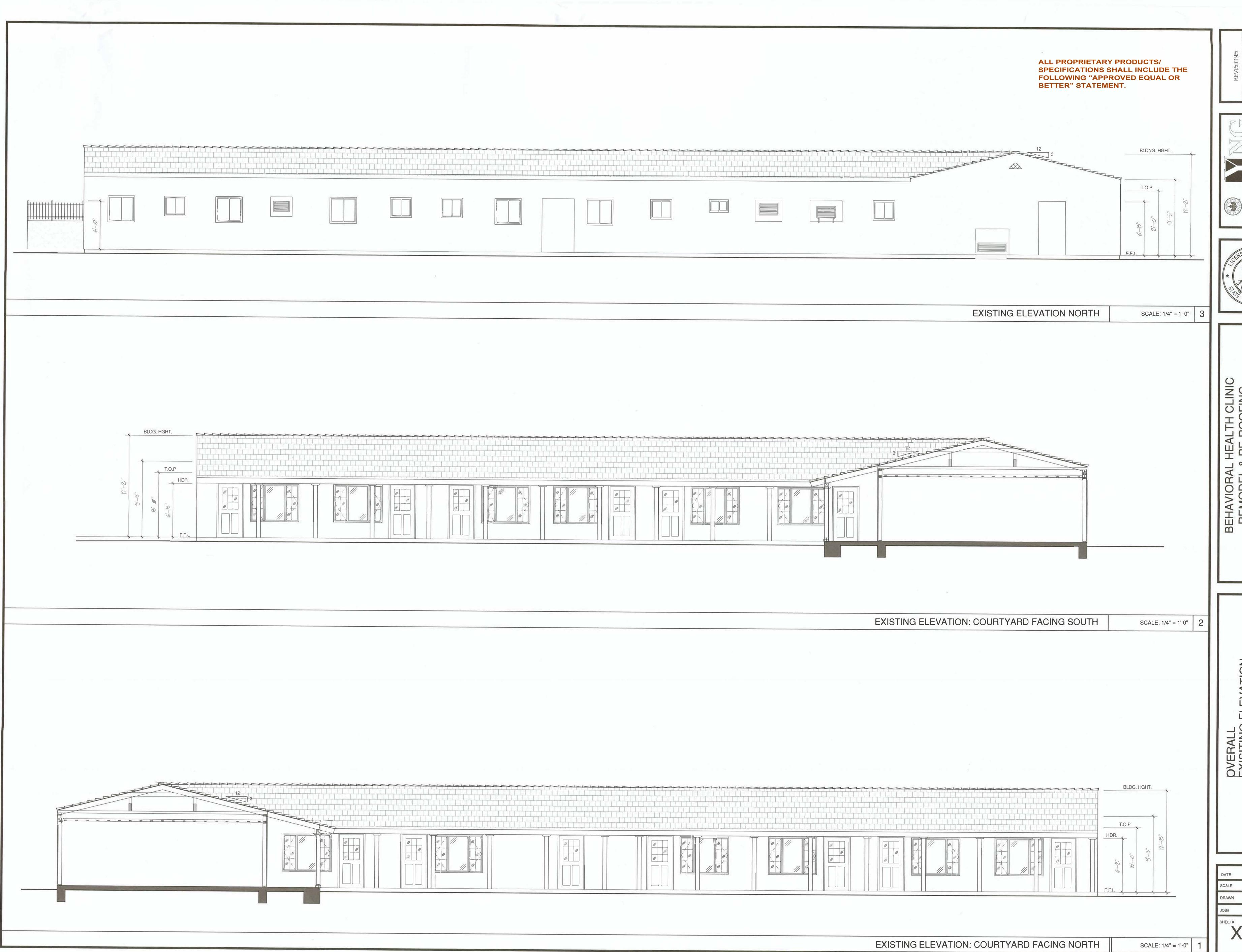
EXISTING ROOF PLAN SCALE: 3/16" = 1'-0" 1



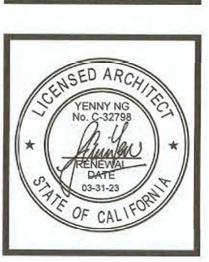


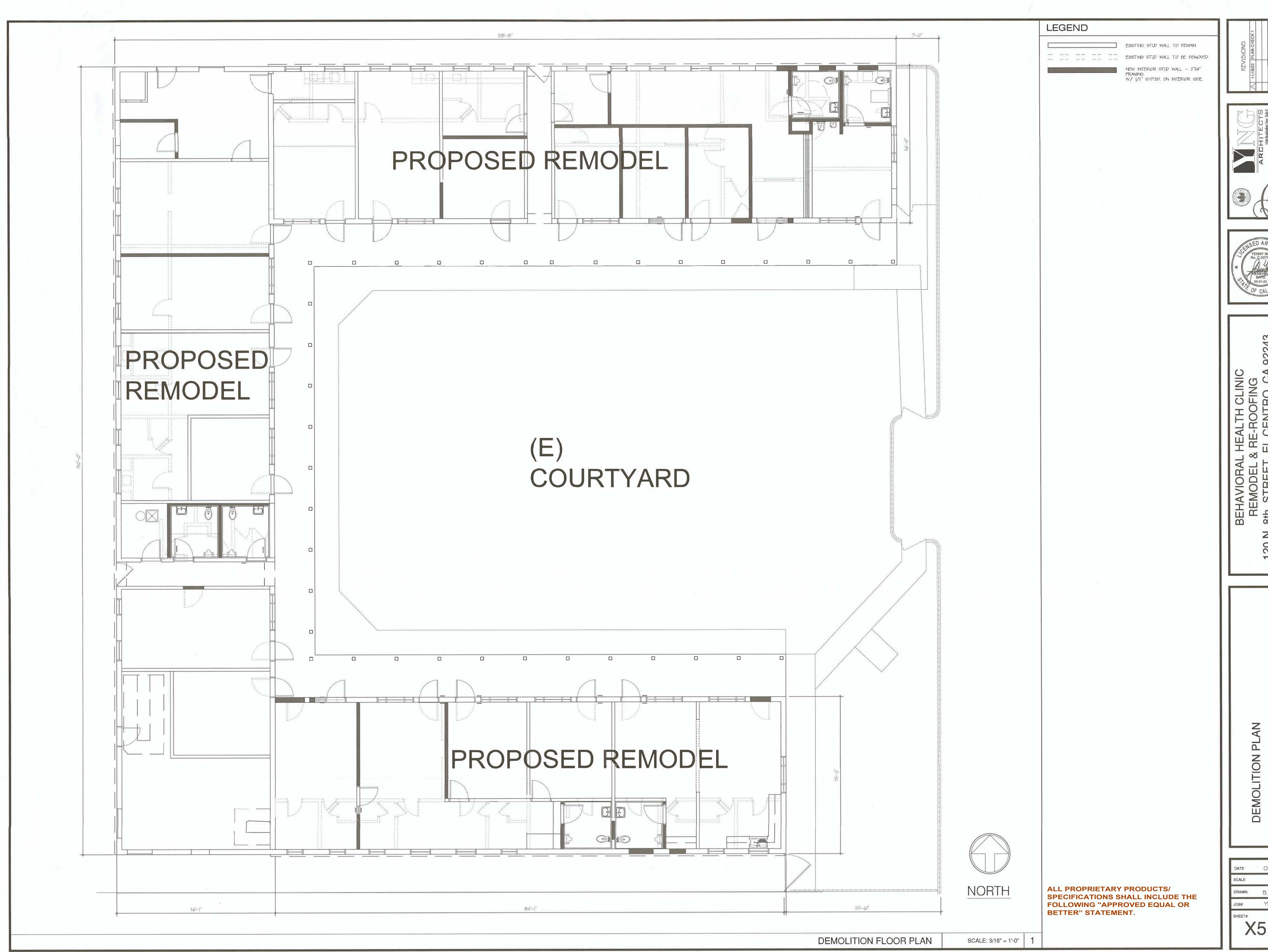






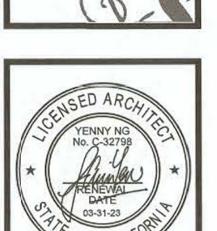




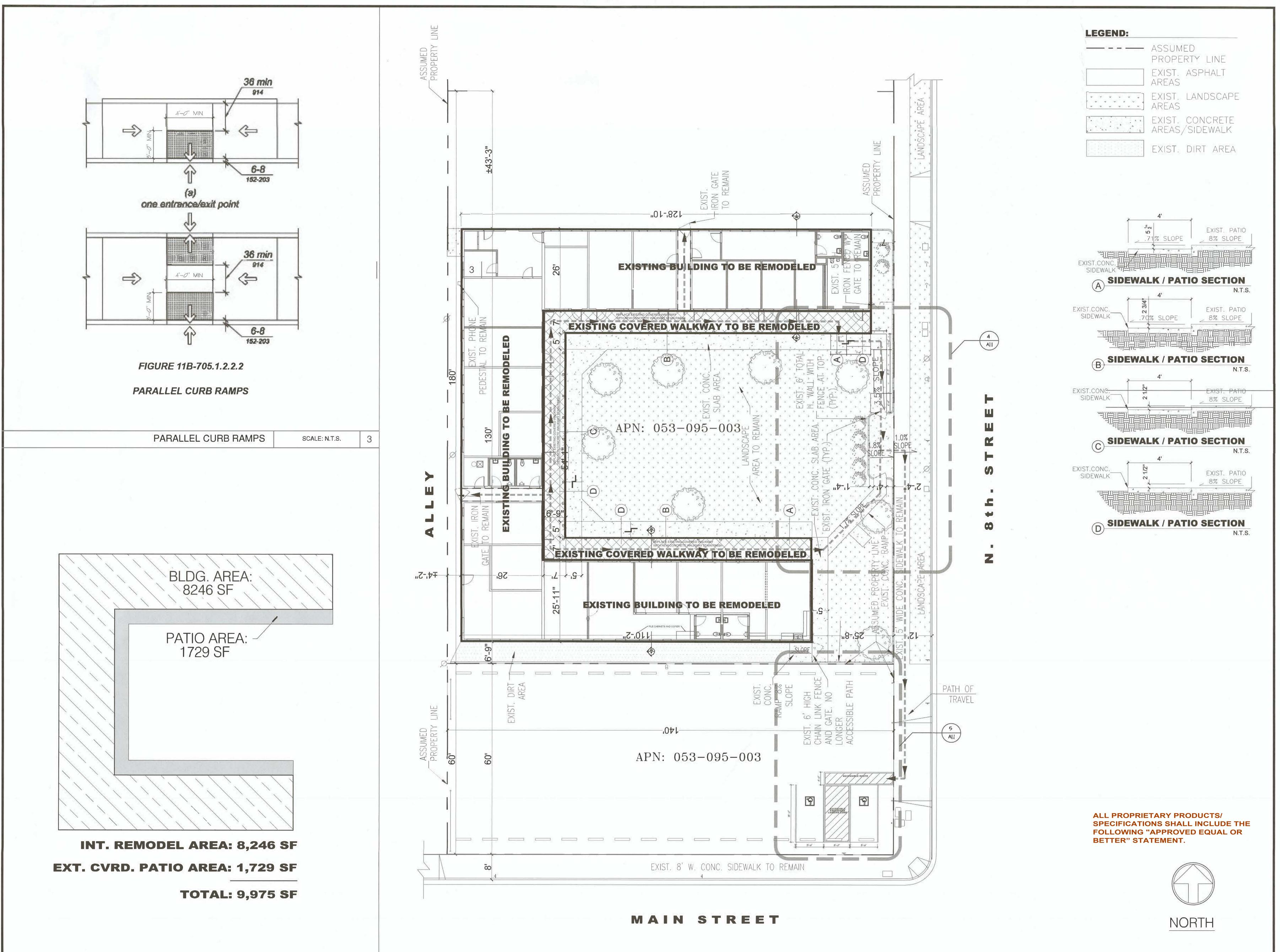








B.M./ L.W. YP22005

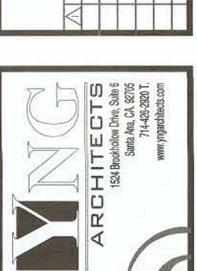


SCALE: 1/16" = 1'-0" 2

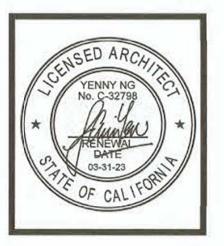
BLDG. AREA DIAGRAM

REVISIONS

11/18/22 PLAN CHECK 1







CLINIC DFING TRO, CA 92243

BEHAVIORAL HEALTH CLIN REMODEL & RE-ROOFING 120 N. 8th. STREET, EL CENTRO, C

> PROPOSED SITE PLAN & PATH OF TRAVEL

DATE 08/01/22

SCALE

DRAWN B.M./ L.W.

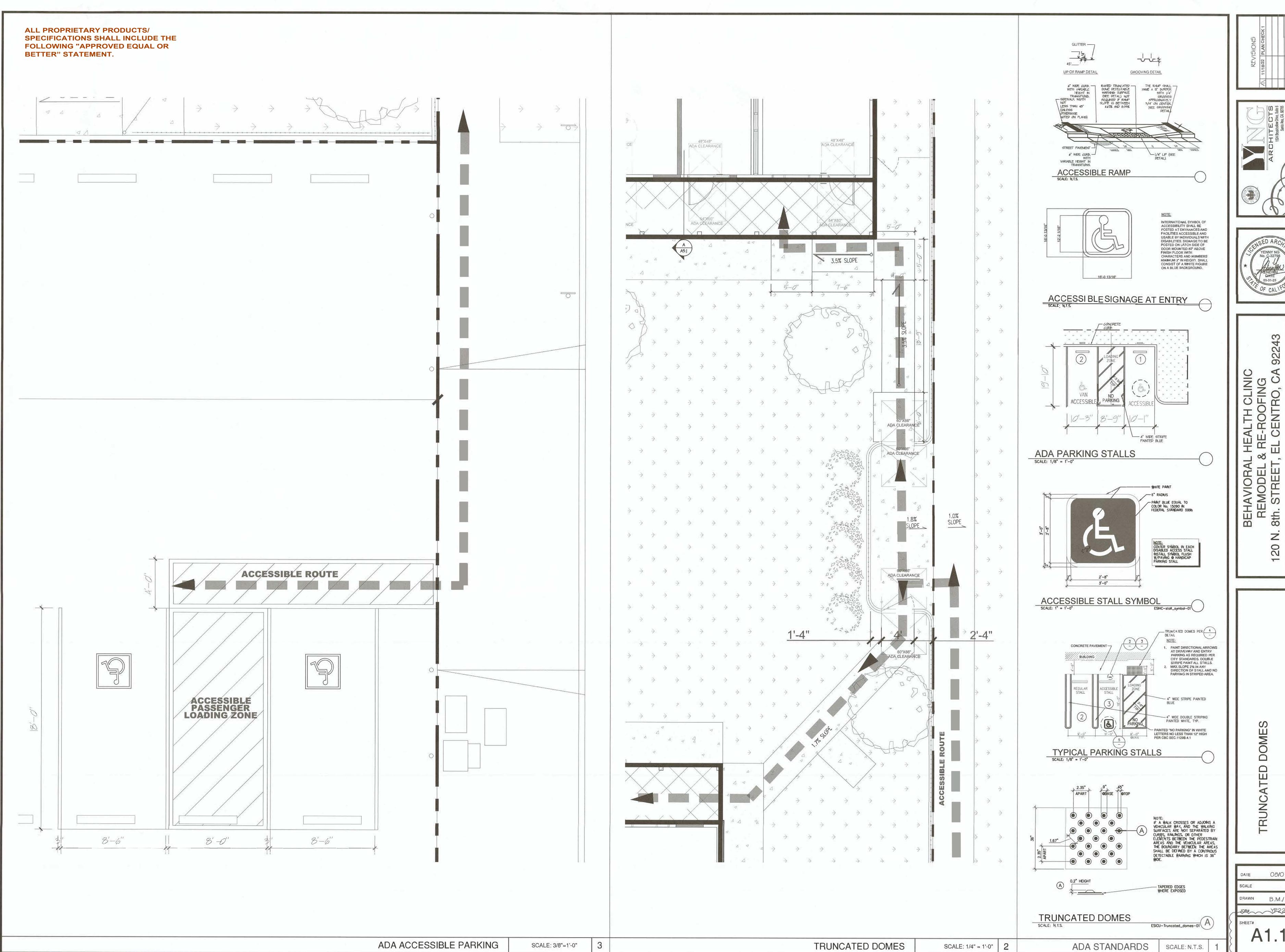
JOB# YP22005

SHEET#

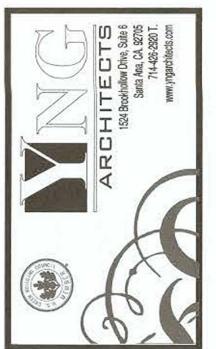
A1.0

SCALE: 3/32" = 1'-0"

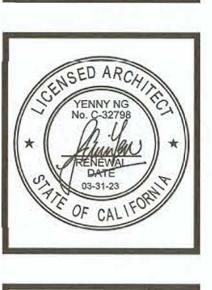
PROPOSED SITE PLAN & PATH OF TRAVEL











92243

BEHA REN 8th. S 20

08/01/22 B.M./L.W J08# YP22Q05

MEANS OF E

8th

DATE 08/01/22
SCALE
DRAWN B.M./ L.W

JOB# YP22005
SHEET#

A1.2

MEANS OF EGRESS SCALE: 3/16" = 1'-0" 1

RAMP 8% SLOPE

ALL PROPRIETARY PRODUCTS/
SPECIFICATIONS SHALL INCLUDE THE
FOLLOWING "APPROVED EQUAL OR
BETTER" STATEMENT.

SCALE
DRAW!







BEHAVIORAL P REMODEL & I 8th. STREET, E Z

20

OAD-CUPANCY

B.M./ L.W YP22005

ACCESSORY STORAGE AREAS MECHANICAL EQUIPMENT ROOM FIXED SEATES 1,943 SF MEANS OF EGRESS CIRCULATION UNCONCENTRATED (TABLES & CHAIRS) UNCONCENTRATED (TABLES & CHAIRS) TOTAL 119 PEOPLE

MINIMUM PLUMBING FACILITIES (PER TABLE 422.1 2019 CPC)
1 1

4 P

(/100) A A S (/300)

17 SEATS

68 SF

58 SF 64 SF

58 SF 58 SF

903 SF | 157 SF | 2,307 SF

1 P

144 SF

78 SF

257 SF

177 SF

150 SF

155 SF

150 SF

132 SF

487 SF

175 SF

325 SF

228 SF

208 SF

215 SF

4,661 SF 753 SF

47 P 50 P 17 P

317 SF

ROOM

MAINTENANCE

JANITOR DOCTOR / OFFICE INTERVIEW ROOM

MEDICAL RECORDS

CLINICAL OFFICE

DOCTOR / NURSE

RESTROOMS

RESTROOMS

SUPERVISOR

CLINICIAN

CLINICIAN

STORAGE

RESTROOMS RESTROOMS

MAINTENANCE GROUP ROOM

PROGRAM MANAGER

BREAKROOM-KITCHEN

ANALYST OFFICE

MANAGER OFFICE

SUPERVISOR

BREAKROOM CLERICAL

RESTROOMS RESTROOMS

RECEPTION

TELEMEDICINE

COVER WALKWAY CLINICIAN

INTERVIEW ROOM

CASE MANAGER OFFICE

CHIOLDREN CONFERENCE ROOM

NURSE

RESTROOMS 56 SQFT.

(15)B

RECEPTION 192 SQFT

GLINICIAN 150 SQFT.

MEDICAL RECORDS

SUPER 150 SQFT

SUPERVISOR 215 SQFT.

BREAK ROOM 4% SQFT

INTERVIEW ROOM-

NURSE 177 SQFT.

DOCTOR / OFFICE

JANITOR 63 SQFT.

DOCTOR / NURSE -

PROGRAM MANAGER 525 SQFT

OLERICAL 159 SQFT

MDF 54 SQFT

-(10)[B]

CASE MANAGER OFFICE

CHILDREN CONFERENCE ROOM

21 B

INTERVIEW ROOM

TYPE OF OCCUPANCY ²	WATER CLOSETS (FIXTURES PER PERSON) ³		(FIXTURES PER PERSON) ⁴	LAVATORIES (FUTTURES PER PERSON) ^{A, 8}		OR SHOWERS (FIXTURES PER PERSON)	PERSON)	OTHER			
A-4 Assembly occupancy (indoor activities or sport- ing events with spectator seating)- swimming pools, skating rinks, arenas, and gymnasiums	Male 1: 1-100 2: 101-200 3: 201-400	Female 1: 1-25 2: 26-50 3: 51-100 4: 101-200 6: 201-300 8: 301-400	(· 701-418)	Male 1: 1-200 2: 201-400 3: 401-750	Female 1: 1-100 2: 101-200 4: 201-300 5: 301-500 6: 501-750	_	1: 1-250 2: 251-500 3: 501-750	I service sink or laun			
	each addition and 1 fixtu	d I fixture for nal 500 males are for each 25 females.	Over 600, add I fixture for each additional 300 males.	for each ad males and each addi	dd 1 fixture ditional 250 1 fixture for tional 200 ales.	4	Over 750, add 1 fixture for each additional 500 persons.	dry tray			
A-5 Assembly occupancy (outdoor activities or sporting events)- amuse- ment parks, grandstands and stadiums	Male 1: 1-100 2: 101-200 3: 201-400	Female 1: 1-25 2: 26-50 3: 51-100 4: 101-200 6: 201-300 8: 301-400	Male 1: 1-100 2: 101-200 3: 201-400 4: 401-600	Male 1: 1-200 2: 201-400 3: 401-750	Female 1: 1-100 2: 101-200 4: 201-300 5: 301-500 6: 501-750		1: 1-250 2: 251-500 3: 501-750	1 service sink or			
	for each ad males and each addi	dd 1 fixture ditional 500 1 fixture for tional 125 ales.	Over 600, add 1 fixture for each additional 300 males.	Over 750, add 1 fixture for each additional 250 males and 1 fixture for each additional 200 females.		for each additional 250 males and 1 fixture for		for each additional 250 males and 1 fixture for each additional 200			Over 750, add 1 fixture for each additional 500 persons.
B Business occupancy (office, professional or service type transactions)- banks, vet clinics, hospi- tals, car wash, banks, beauty salons, ambulatory health care facilities, laun-	Male 1: 1-50 2: 51-100 3: 101-200 4: 201-400	Female 1: 1-15 2: 16-30 3: 31-50 4: 51-100 8: 101-200 11: 201-400	Male 1: 1-100 2: 101-200 3: 201-400 4: 401-600	Male 1: 1-75 2: 76-150 3: 151-200 4: 201-300 5: 301-400	Female 1: 1-50 2: 51-100 3: 101-150 4: 151-200 5: 201-300 6: 301-400		1 per 150	l service			
dries and dry cleaning, educational institutions (above high school), or training facilities not located within school, post offices and printing shops	for each ad males and each addi	add 1 fixture ditional 500 1 fixture for tional 150 alcs.	Over 600, add 1 fixture for each additional 300 males.	for each ad males and each addi	dd 1 fixture ditional 250 1 fixture for tional 200 ales.		— 1 per 150				

MINIMUM PLUMBING FACILITIES (PER TABLE 422.1 2019 CPC) OCC. LOAD= 146 P (73 M + 73F)

FIXTURE	MALE	FEMALE	
W/C	2	4	
URINALS	1		
LAVATORIES	1	2	
DRINKING FOUNTAIN		1	
SERVICE SINK	1		

ALL PROPRIETARY PRODUCTS/

BETTER" STATEMENT.

SPECIFICATIONS SHALL INCLUDE THE

FOLLOWING "APPROVED EQUAL OR

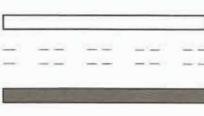
NORTH

OCCUPANCY LOAD

BREAK ROOM - KITCHEN 157 SQFT

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

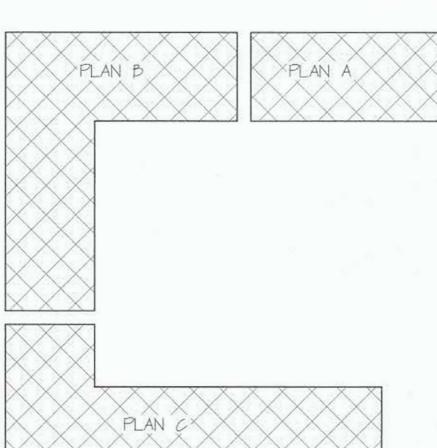
LEGEND



EXISTING STID WALL TO REMAIN EXISTING STUD WALL TO BE REMOVED

NEW INTERIOR STILD WALL - 2'X4" W/ 1/2" GYP30 ON INTERIOR SIDE

NOTES



MEANS OF EGRESS: SLEEPING ROOMS SHALL HAVE AT LEAST ONE OPERABLE EMERGENCY ESCAPE AND RESCUE OPENING: A. MINIMUM NET CLEAR OPENING OF 5.7 SF. (5 SF FOR GRADE FLOOR OPENINGS). B. MINIMUM NET CLEAR HEIGHT OF 24".

C. MINIMUM NET CLEAR OPENING WIDTH OF 20 INCHES D. SILL HEIGHT OF NOT MORE THAN 44" ABOVE THE FLOOR. E. STALL OPEN DIRECTLY INTO A PUBLIC WAY, OR TO A YARD THAT OPENS TO A PUBLIC WAY. YARD OR COURT MUST COMPLY WITH THE DEFINITION "AN OPEN SPACE, INDOSTRICTED FROM THE GROUND TO THE SKY." THEREFORE, INGRESS/EGRESS OPENINGS, WHICH OPEN ONTO DECKS, ROOFS, OR INTO A COVERED PATIO ARE NOT

F. WINDOW CONTROL OPENING DEVICE SHALL NOT REDUCE THE REQUIRED NET CLEAR OPENING AREA OF THE WINDOW. SAFETY GLAZING OR TEMPERED GLASS IS REQUIRED IN

HAZARDOUS LOCATIONS PER R308. IN BATHROOMS - WINDOWS 60 INCHES OR LESS ABOVE THE TUB OR SHOWER FILOOR TO BE TEMPERED GLASS.

GLAZING ADJACENT TO STAIRS (LESS THAN 36" AFF.) TO BE

TEMPERED PER CRC. R308.46

PLUMBING NOTES:
PLUMBING FIXTURES AND FITTINGS SHALL MEET THE REQUIREMENTS, INCLUDING MAXIMUM FLOW RATES IN SECTION 4.303 CALGREEN BUILDING STANDARDS.

FAUCETS IN KITCHEN TO BE 18 GALLONS PER MINUTE, MAXIMLM, PER CPC 42021 & 42022. RESIDENTIAL LAVATORY FAUCET TO BE 12 GALLONS PER MINUTE, MAXIMUM, PER CPC 4072.2. WATER CLOSET TO BE 128 GALLONS PER FLUSH, MAXIMUM, OR DUAL FLUSH PER CPC 411.2. SHOWERHEADS TO BE 18 GALLONG PER MINUTE, MAXIMUM, PER CPC 4082.

WATER CLOSET - LOCATE IN CLEAR SPACE NOT LESS THAN 30' IN WIDTH AND WITH NOT LESS THAN 24" CLEAR SPACE IN FRONT OF THE WATER CLOSET STOOM...

THE MIN. INTERIOR DIMENSION OF A SHOWER COMPARTMENT MUST BE CAPABLE OF ENCOMPASSING A 30' DIA. CIRCLE.

WALL COVERING SHALL BE CEMENT PLASTER, TILE OR APPROVED EQUAL TO 71 INCHES ABOVE DRAIN AT SHOWERS

OR TUB WITH SHOWERS. MATERIALS OTHER THAN STRUCTURAL ELEMENTS ARE TO BE MOISTURE RESISTANT. CRC R3072

MECHANICAL NOTES: A MINIMUM OPENING OF 100 SQ. IN. FOR MAKE-UP AIR SHALL BE PROVIDED IN THE LAUNDRY ROOM DOOR OR BY OTHER APPROVED MEANS PER CMC. SECTION 5043

MAXIMUM RISE OF 7.75" MINIMUM RUN (TREAD) OF 10" NOSING OF 0.75" TO 1.25" WHEN TREAD DEPTH LESS THAN II"

MINIMUM WIDTH OF 36" MINIMUM HEADROOM OF 6-8" HANDRAIL TO BE 36"-38" ABOVE NOSING OF TREADS HANDGRIP CROSS SECTION OF 15" OR PER R311.7.7.3

HANDRAILS ON THE OPEN SIDE OF A STAIRWAY MUST MEET GUARD REQUIREMENTS. FOR OCCUPANCIES IN GROUP R-3 GUARDS WHOSE TOP RAIL ALSO SERVES AS A HANDRAIL SHALL HAVE HEIGHT NOT LESS THAN 34 IN. AND NOT MORE THAN 38 IN MEASURED VERTICALLY FROM THE LEADING EDGE OF THE STAIR TREAD NOSING. A ROUND HANDRAIL MUST HAVE DIAMETER NO SMALLER THAN 11/4 IN. AND NO LARGER THAN 2 IN., SO THAT IT CAN BE EASILY AND SECURELY GRIPPED. OTHER HANDRAIL SHAPES ARE ALLOWED IF THE PERIMETER DIMENSION IS AT LEAST 4 IN. AND NOT MORE THAN 61/4 IN., WITH A CROSS SECTION DIMENSION NOT MORE THAN 21/4 IN.

GUARDRAILS / GUARD OF MINIMUM 42" ABOVE LANDINGS MORE THAN 30' ABOVE FLOOR / GRADE GUARD OPENINGS TO BE LESS THAN 4".

ALL PROPRIETARY PRODUCTS/ SPECIFICATIONS SHALL INCLUDE THE FOLLOWING "APPROVED EQUAL OR

OVERALL FLOOR PLAN

BETTER" STATEMENT.

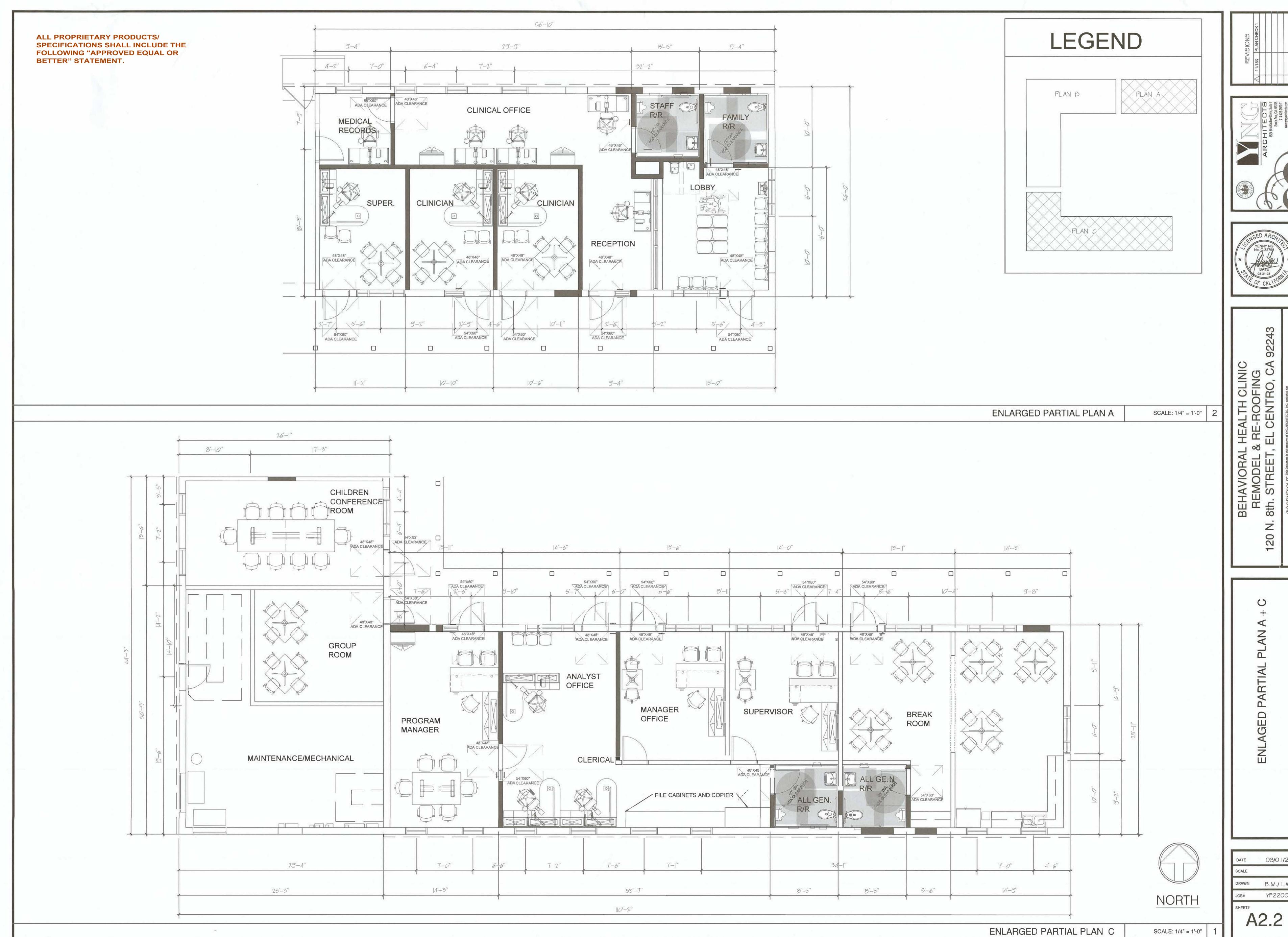
SCALE: 3/16" = 1'-0"

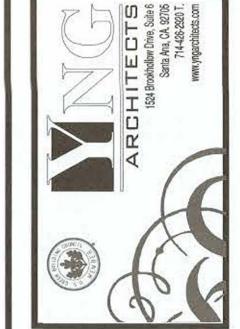


BEHAVIORAI REMODEL 8th. STREET 20

08/01/22

B.M./L.W







92243 8th

> **PARTIAL** ENLAGED

B.M./ L.W.

67-10"

6'-10"

48"X48"
ADA CLEARANCE

JANITOR

DOCTOR/ NURSE 4'-5"

INTERVIEW ROOM

DOCTOR/ OFFICE

25'-3"

20'-10"

48"X48"
ADA CLEARANCE

MAINT./MECH. RM.

TELEMEDICINE

CLINICIAN

CASE MANAGER OFFICE

INTERVIEW

ROOM

8'-6"

STORAGE

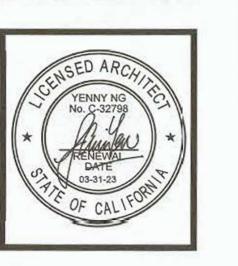
8'-5"

8'-5"

26'-|"

PLAN A





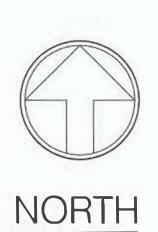
BEHAVIOHAL HEALIH CLINIC
REMODEL & RE-ROOFING

20 N. 8th. STREET, EL CENTRO, CA 92

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NLARGED PARTIAL PLAN

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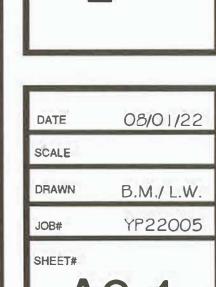
DATE 08/01/22

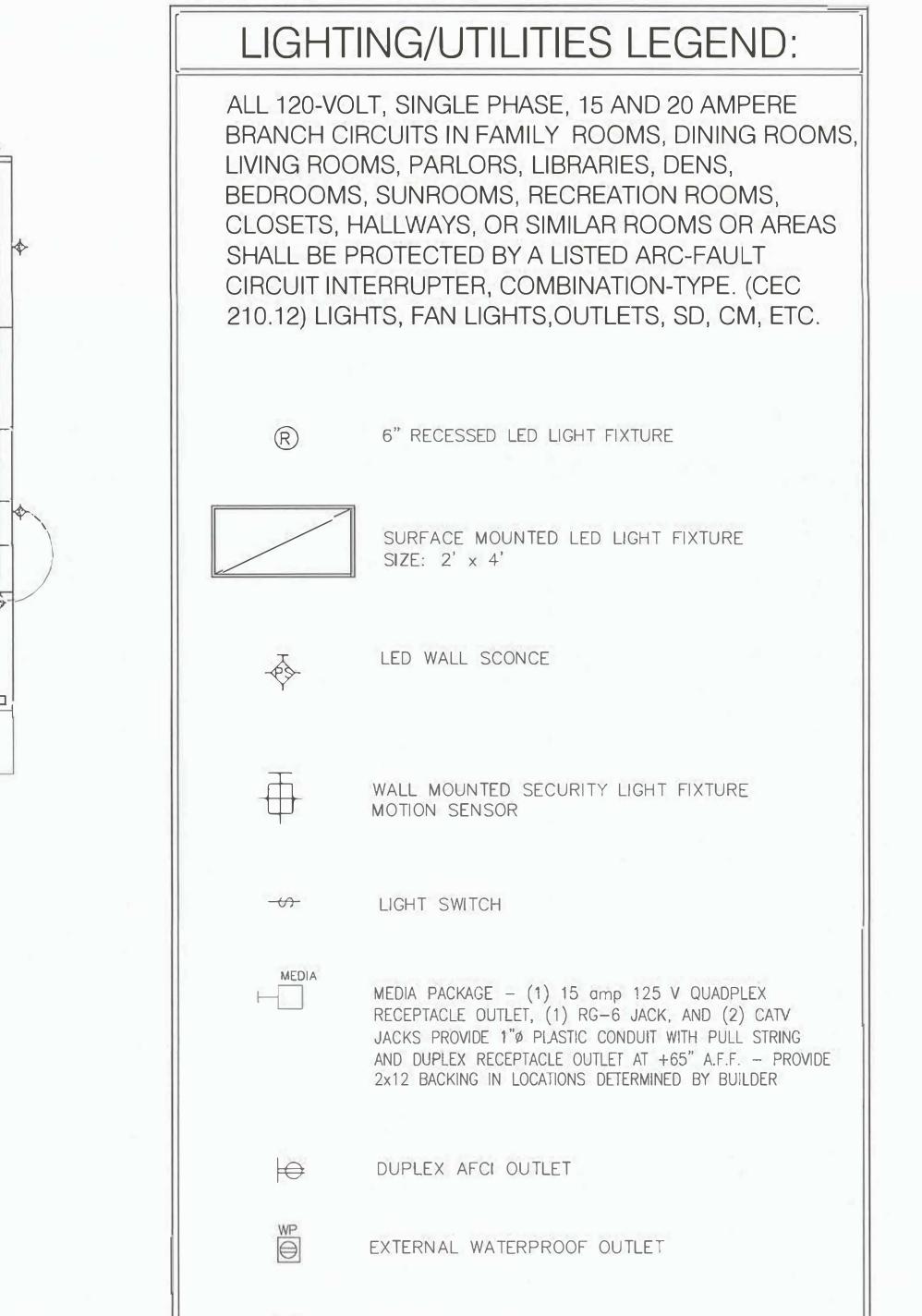
SCALE

DRAWN B.M./ L.W.

JOB# YP22005

A2.3





TELEPHONE OUTLET

-CLINICAL OFFICE

RECEPTION

LOBBY

[7'-10"]

MEDICAL RECORDS

[<u>7'-7"</u>]
SUPER.

[7'-7"] CLINICIAN

8'-10" BREAK ROOM

8'-10"

INTERVIEWROOM

MANAGER 8'-10" OFFICE

ANALYST OFFICE

CLERICAL

[7'-10"]

DOCTOR/ OFFICE

DOCTOR/ NURSE /

[8'-10"]

MDF

CASE MANAGER OFFICE

CHILDREN CONFERENCE ROOM

GROUP ROOM

MAINTENANCE/MECHANICAL

ALL GENDER

NOTE: REFER TO ELECTRICAL ENGR'S DRAWINGS

> **ALL PROPRIETARY PRODUCTS/** SPECIFICATIONS SHALL INCLUDE THE FOLLOWING "APPROVED EQUAL OR BETTER" STATEMENT.

REFLECTED CEILING PLAN

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

ROOF LEGEND OHAGIN
"FLAT"
TILE
VENT OHAGIN "FLAT" TILE VENT

R8062 MINIMUM VENT AREA. THE MINIMUM NET FREE VENTILATING AREA SHALL BE 1/150 OF THE AREA OF THE VENTED SPACE.
EXCEPTION: THE MINIMUM NET FREE VENTILATION AREA SHALL BE 1300 OF THE VENTED SPACE PROVIDED ONE OF MORE OF THE FOLLOWING CONDITIONS ARE MET:

1. IN CLIMATE ZONES 14 AND 16, A CLASS I OR II VAPOR

RETARDER IS INSTALLED ON THE WARM-IN- WINTER SIDE OF THE CEILING. 2.AT LEAST 40 PERCENT AND NOT MORE THAN 50 PERCENT OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC OR RAFTER SPACE. UPPER VENTILATORS SHALL BE LOCATED NO MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE, MEASURED VERTICALLY, WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE

VENTS WHERE THE LOCATION OF WALL OR ROOF FRAMING MEMBERS CONFLICTS WITH THE INSTALLATION OF UPPER VENTILATORS, INSTALLATION MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE SHALL BE PERMITTED.

ATTIC VENTILATION CALCULATIONS

ATTIC AREA I REQUIRED VENTILATION AREA = ATTIC AREA (1478 SQ. FT./300 SQ. FT.) =492 SQ. FT. X 144 = 40% - 50% OF REQUIRED UPPER VENTILATION = 283,3 SQ IN. - 3542 SQ IN.

(4) OHAGIN HIGH PROFILE "FLAT" VENT AT 98.75 SQ.IN. = 395 SQ.IN. LOWER VENTILATION PROVIDED: (4) OHAGIN HIGH PROFILE "FLAT" VENT AT 98.75 SQ.IN. = 395 SQ IN.

TOTAL VENTILATION PROVIDED

UPPER VENTILATION PROVIDED:

1580 SQ IN

ATTIC AREA 2 REQUIRED VENTILATION AREA = ATTIC AREA (3218 SQ FT /300 SQ. FT.) = 072 SQ. FT X 44 = 40% - 50% OF REQUIRED UPPER VENTILATION = 6/78 SQ. IN - 7/25 SQ. IN.

UPPER VENTILATION PROVIDED: (8) OHAGIN HIGH PROFILE "FLAT" VENT AT 9875 SQ.IN. = 790 SQ IN. LOWER VENTILATION PROVIDED: (8) OHAGIN HIGH PROFILE "FLAT" VENT AT 98.75 SQ.IN. = 790 SQ. IN.

TOTAL VENTILATION PROVIDED:

ATTIC AREA 3 3346 SQ. FT. REQUIRED VENTILATION AREA = ATTIC AREA (33455Q. FT./300 SQ. FT.) =11.15 SQ FT. X 144 = 605.65Q IN. 40% _ 50% OF REQUIRED UPPER VENTILATION = 642 SQ IN. _ 802 SQ IN.

(8) OHAGIN HIGH PROFILE "FLAT" VENT AT 98.75 SQ.IN. =790 SQ.IN. LOWER VENTILIATION PROVIDED: (9) OHAGIN HIGH PROFILE "FLAT" VENT AT 98.75 SQ.IN. =888 756Q IN.

TOTAL VENTILATION PROVIDED:

1678.75 SQ. IN.

POP VENT COMMERCIAL ROOF LOWER AIR INTAKE WITH CLRB MOUNT FLANGE
24" DIAMETER 6" TAIL COLLAR
ACTIVE VENTILATION PRODUCTS- MODEL PV_24-C6-CMF
454 SQ. IN NFA

AURA ATTIC (EXHAUST) FAN | CFM: 4800 24° DIAMETER 6° TALL. COLLAR ACTIVE VENTILATION PRODUCTS- MODEL. AF-24-C6-CFM

AREA 1 AREA 2 WENT THE N -REPLACED EXISTING CLAY SHINGLE TILES WITH NEW CLAY SHINGLE TILES TO MATCH OFWON VENT ANILE IN THE PROPERTY OF THE P

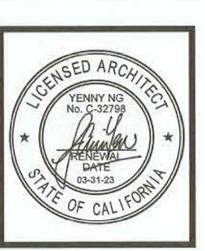
10-2"

ALL PROPRIETARY PRODUCTS/ SPECIFICATIONS SHALL INCLUDE THE **FOLLOWING "APPROVED EQUAL OR** BETTER" STATEMENT.







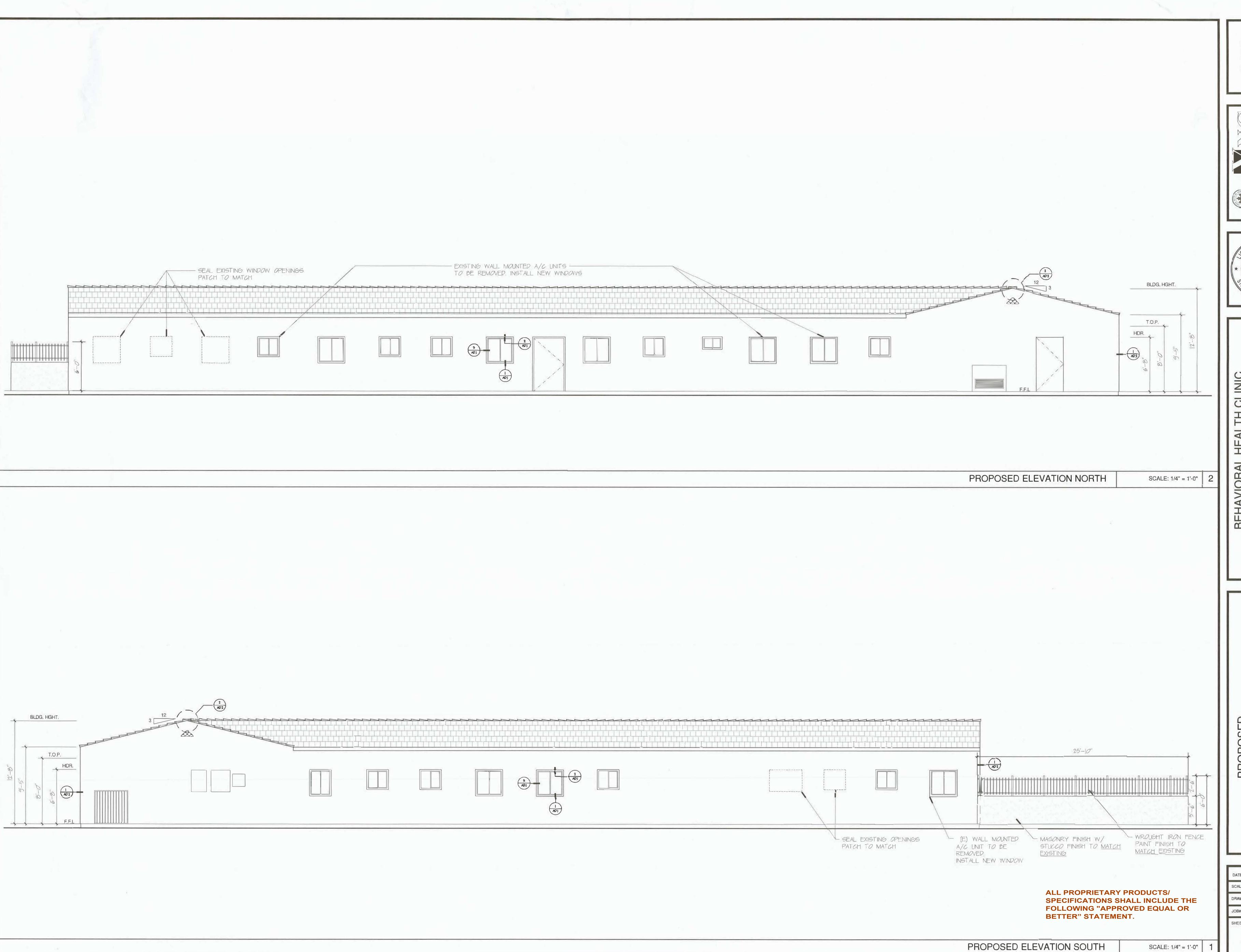


120 N.

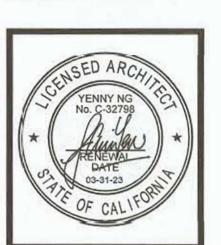
B.M./ L.W.

YP22005

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

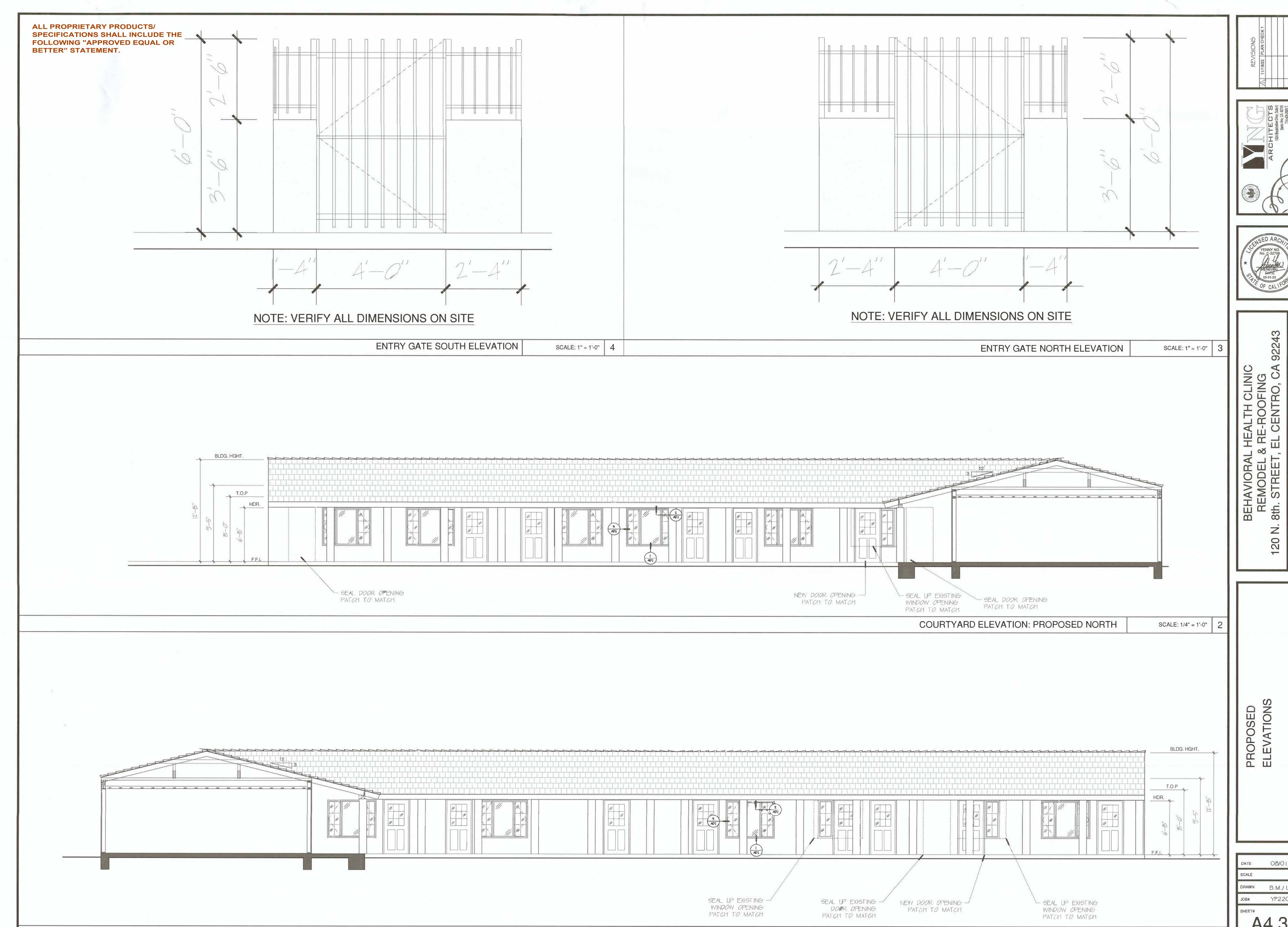


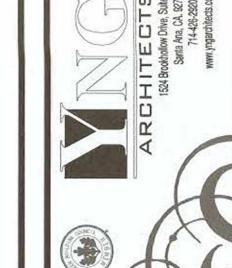




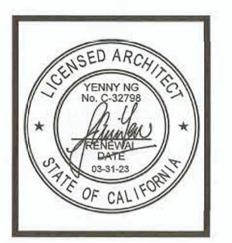
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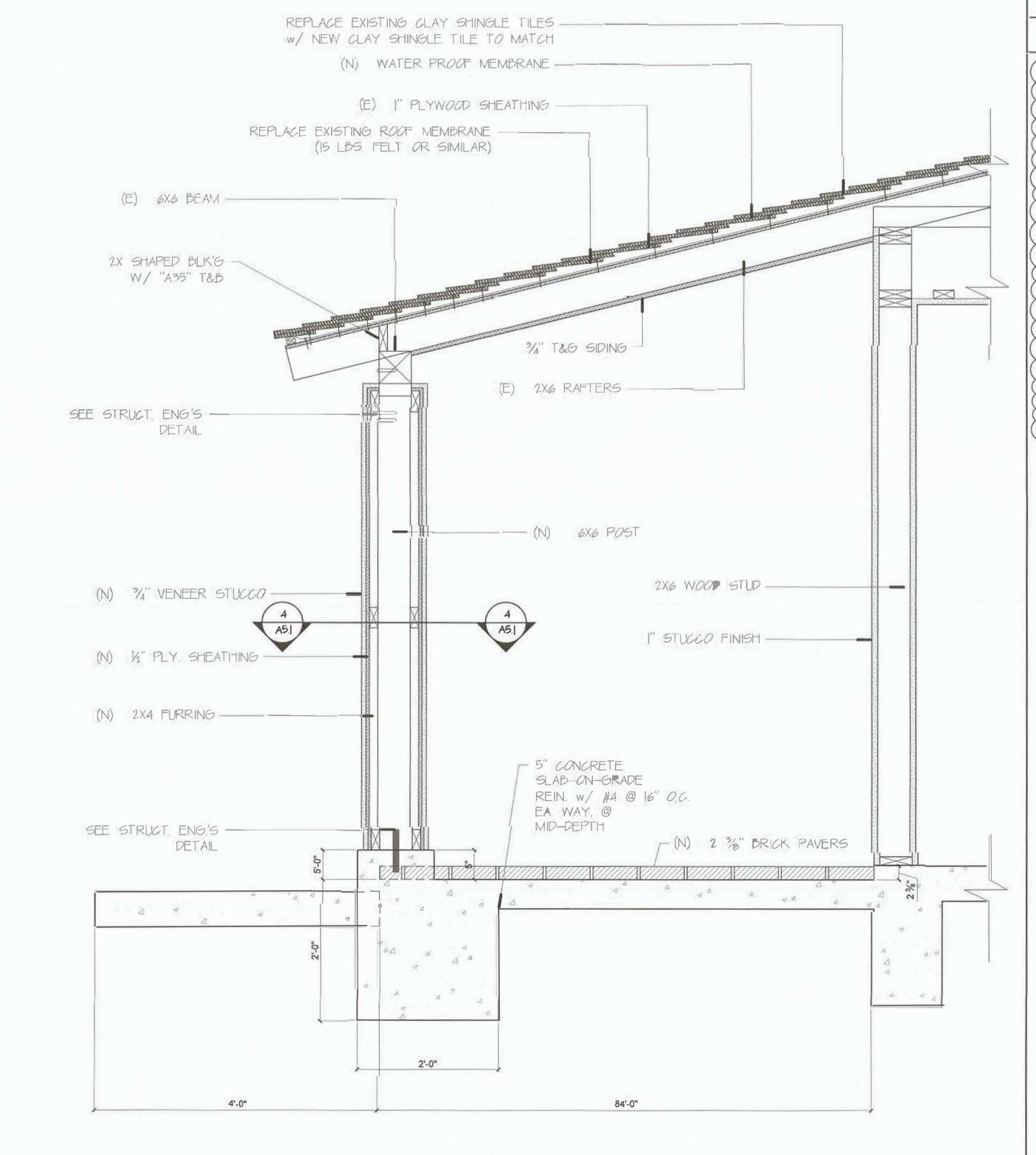
DATE 08/01/22 B.M./ L.W. YP22005

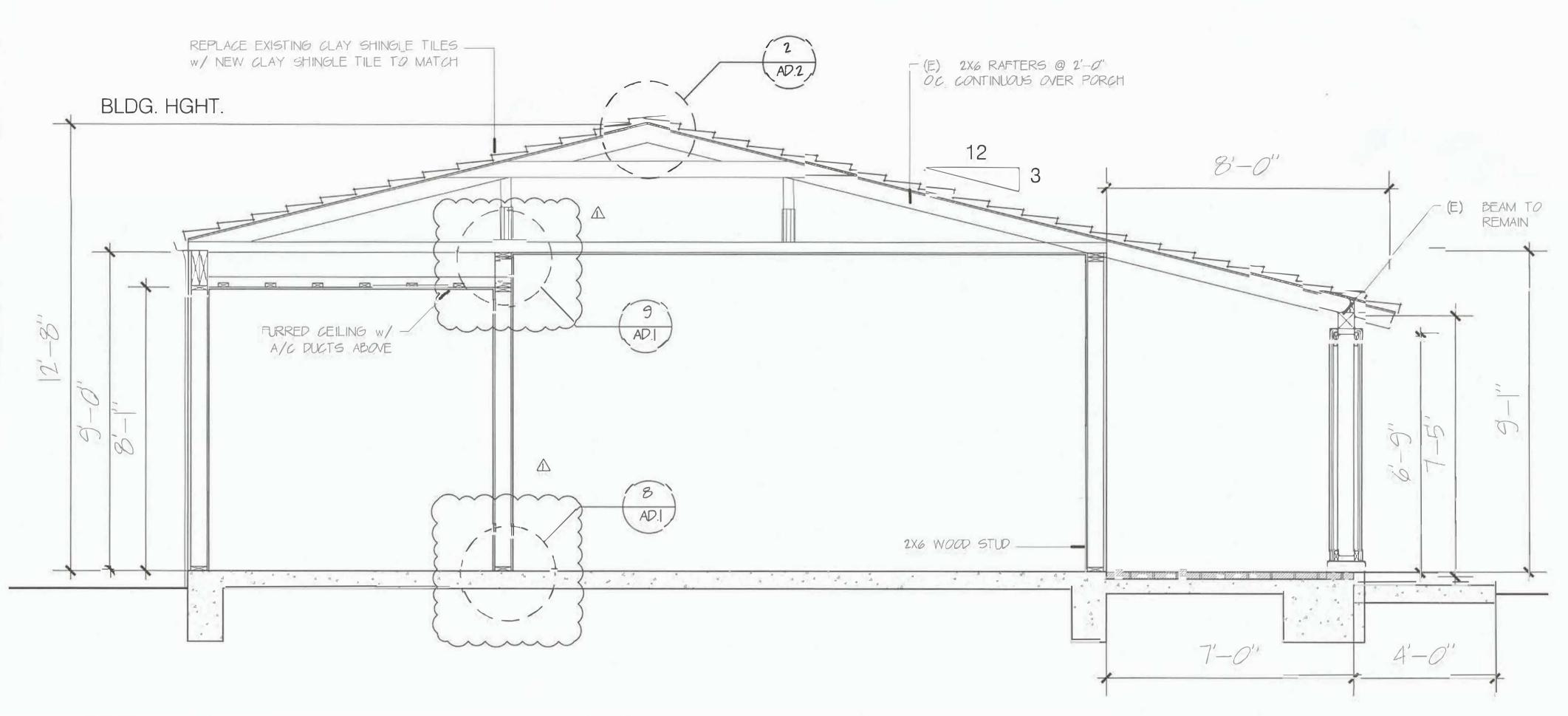
A4.3

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

COURTYARD ELEVATION: PROPOSED SOUTH







SUSPENDED CEILINGS IN SEISMIC DESIGN

CATEGORIES D, E & F COMPLY WITH ASCE 7-16 SECTION 13.5.6.2.2 AS FOLLOWS:

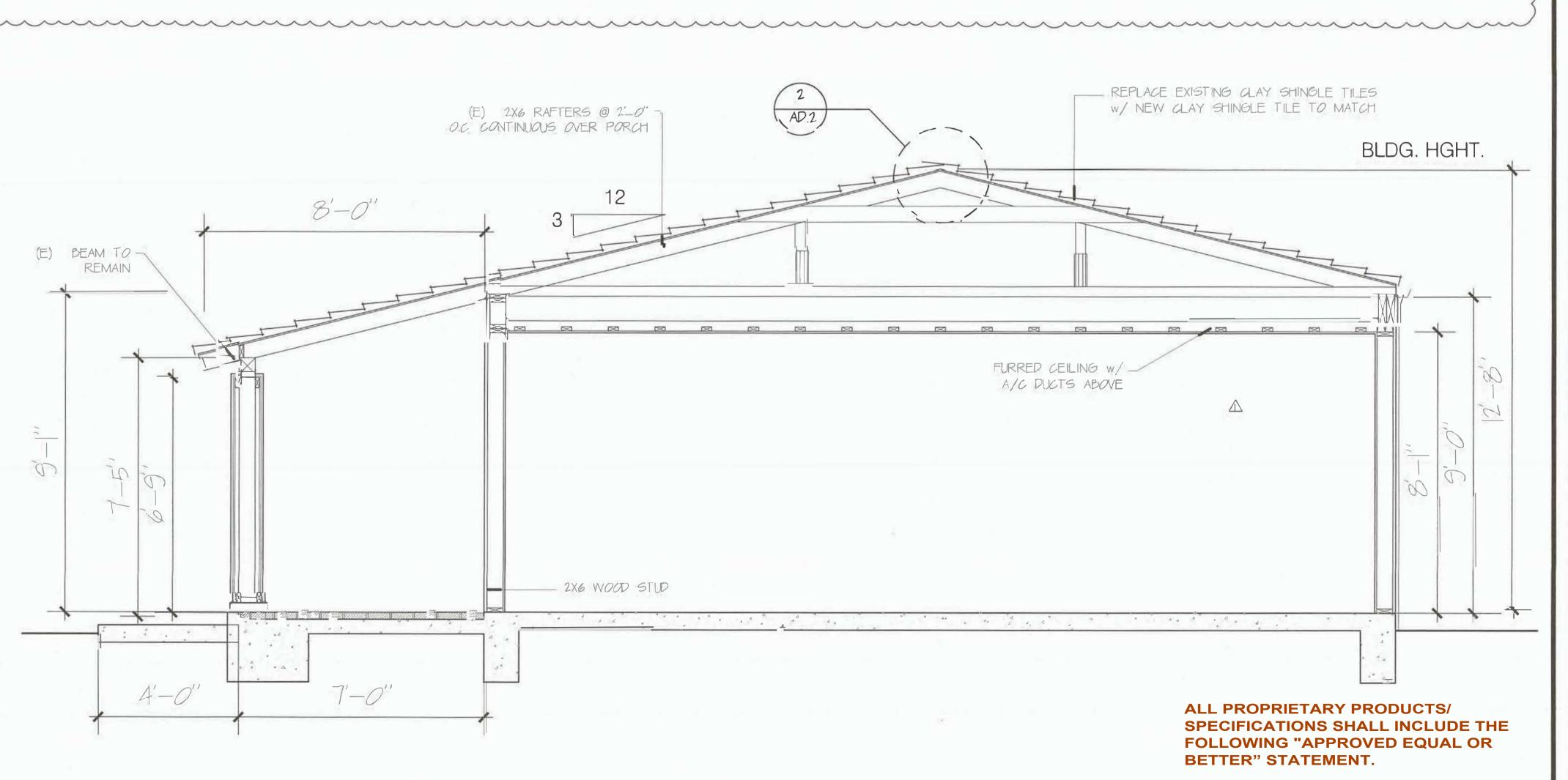
a. THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE OR CHANNEL SHALL BE NOT LESS THAN 2.0 IN. UNLESS QUALIFIED PERIMETER SUPPORTING CLIPS ARE USED.

CLOSURE ANGLES OR CHANNELS SHALL BE SCREWED OR OTHERWISE POSITIVELY ATTACHED TO WALL STUDS OR OTHER SUPPORTING STRUCTURES. PERIMETER SUPPORTING CLIPS SHALL BE QUALIFIED IN ACCORDANCE WITH APPROVED TEST CRITERIA PER SECTION 13.2.5.

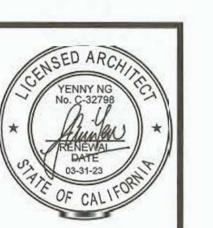
PERIMETER SUPPORTING CLIPS SHALL BE ATTACHED TO SUPPORTING CLOSURE ANGLE OR CHANNEL WITH A MINIMUM OF TWO SCREWS PER CLIP AND SHALL BE INSTALLED AROUND THE ENTIRE CEILING PERIMETER.

d. IN EACH ORTHOGONAL HORIZONTAL DIRECTION, ONE END OF THE CEILING GRID SHALL BE ATTACHED TO THE CLOSURE ANGLE, CHANNEL, OR PERIMETER SUPPORTING CLIP. THE OTHER END OF THE CEILING GIRD IN EACH HORIZONTAL DIRECTION SHALL HAVE A MINIMUM 0.75-IN CLEARANCE FROM THE WALL AND SHALL REST UPON AND BE FREE TO SLIDE ON A CLOSURE ANGLE, CHANNEL, OR PERIMETER SUPPORTING CLIP. CEILING AREAS OVER 2500 FT.2 MUST HAVE SEISMIC SEPARATION JOINTS OR FULL HEIGHT PARTITIONS.

CEILINGS WITHOUT RIGID BRACING MUST HAVE 2" OVERSIZE TRIM RINGS FOR SPRINKLERS AND OTHER CEILING PENETRATIONS.







SCALE: 3/4" = 1'-0"

BEHAVIOF REMODE 8th. STRE 20

PROPOSE

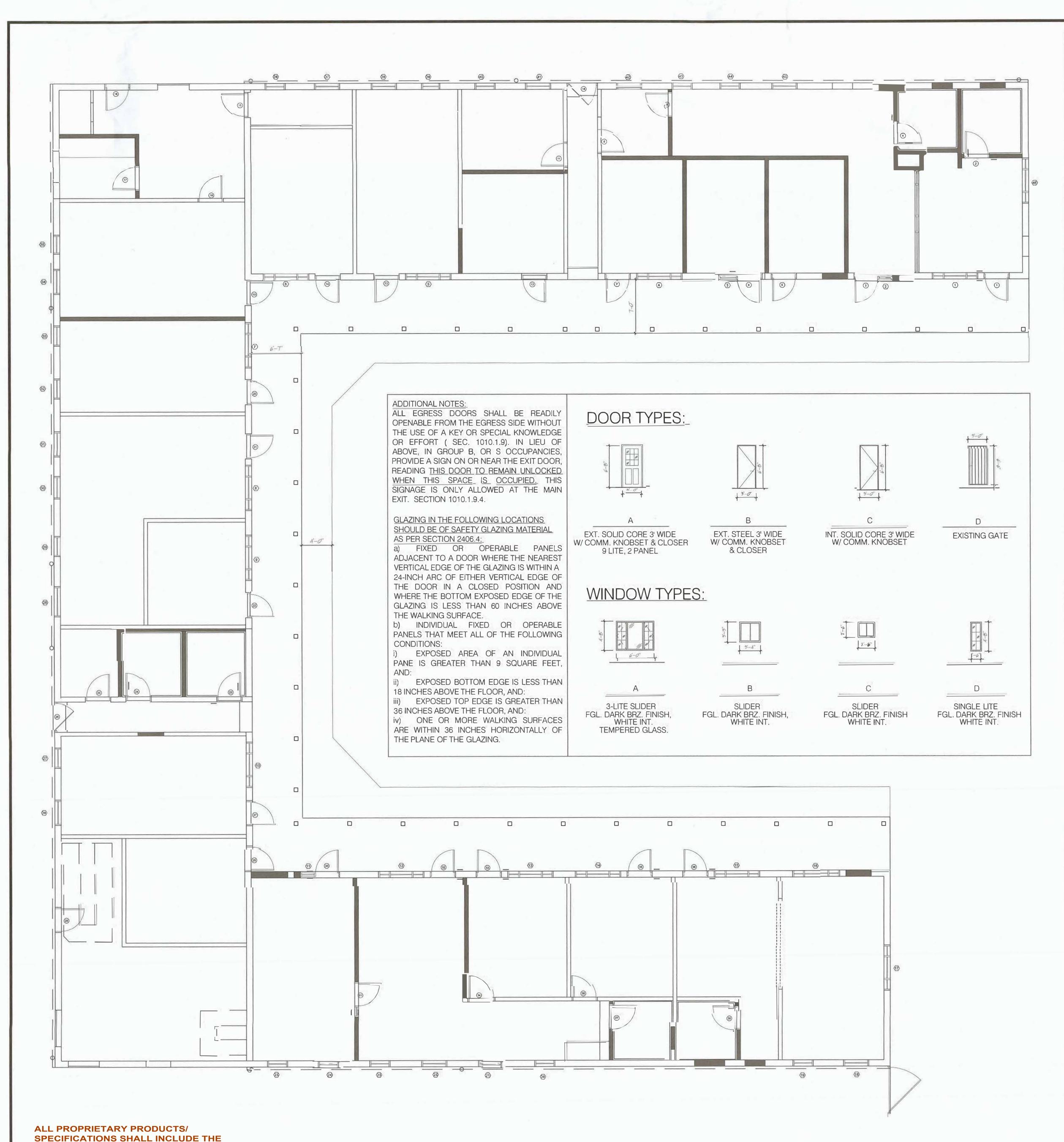
ENTRY GATE NORTH ELEVATION

SCALE: 1/2" = 1'-0" 3

PROPOSED SECTION A

PROPOSED SECTION B

SCALE: 3/4" = 1'-0"



FOLLOWING "APPROVED EQUAL OR

BETTER" STATEMENT.

			WINDOW SCH	IEDULE		
SYM	SIZE	TYPE	DESCRIPTION	U-VALUE	SHGC	COMMENTS
1	6048 SL	А	FIBERGLASS, DUAL PANE			TEMPERED
$\langle 2-3 \rangle$	2048 FX	D	FIBERGLASS, DUAL PANE			TEMPERED
$\langle 4-10 \rangle$	6048 SL	А	FIBERGLASS, DUAL PANE			
(11)	2048 FX	D	FIBERGLASS, DUAL PANE			TEMPERED
$\langle 12-17 \rangle$	6048 SL	А	FIBERGLASS, DUAL PANE			TEMPERED
(18)	3433 SL	В	FIBERGLASS, DUAL PANE			TEMPERED
(19)	2826 SL	С	FIBERGLASS, DUAL PANE			
20	2826 SL	С	FIBERGLASS, DUAL PANE			TEMPERED
(21-22)	3433 SL	В	FIBERGLASS, DUAL PANE			
€3-25	2826 SL	С	FIBERGLASS, DUAL PANE			TEMPERED
26	3433 SL	В	FIBERGLASS, DUAL PANE			TEMPERED
27	2826 SL	С	FIBERGLASS, DUAL PANE			
28	3433 SL	В	FIBERGLASS, DUAL PANE			
29	2826 SL	С	FIBERGLASS, DUAL PANE			TEMPERED
$\langle 30-31 \rangle$	3433 SL	В	FIBERGLASS, DUAL PANE			
$\left(\overline{32-33}\right)$	2826 SL	С	FIBERGLASS, DUAL PANE			
(34)	3433 SL	В	FIBERGLASS, DUAL PANE			TEMPERED
(35)	2826 SL	С	FIBERGLASS, DUAL PANE			TEMPERED
(36)	2826 SL	С	FIBERGLASS, DUAL PANE			TEMPERED
\$7 <u>-</u> 38	3433 SL	В	FIBERGLASS, DUAL PANE			TEMPERED
(39-40)	2826 SL	С	FIBERGLASS, DUAL PANE			TEMPERED
$\overline{41-42}$	3433 SL	В	FIBERGLASS, DUAL PANE			TEMPERED
(43-44)	2826 SL	С	FIBERGLASS, DUAL PANE			TEMPERED
(45)	3433 SL	В	FIBERGLASS, DUAL PANE			TEMPERED
(46)	6048 SL	А	FIBERGLASS, DUAL PANE			TEMPERED

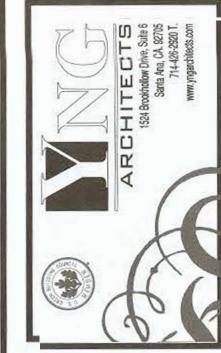
ABBREVIATIONS:

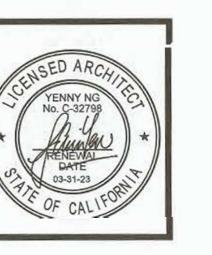
SL: SLIDING SH: SINGLE HUNG

AW: AWNING FX: FIXED CAS: CASEMENT TEMP: TEMPERED

			DOOR	SCHEE	DULE			
			DOOR			FRAME		
SYM	SIZE	TYPE	MATERIAL	FINISH	MATERIAL	FINISH	COMMENTS	
1	3068	А	WOOD/ GLAZING	Р	WOOD	Р	TEMPERED	
2	3068	С	SOLID WOOD	P	WOOD	Р		
3	3068	А	WOÛD/ GLAZING	Р	WOOD	Р	TEMPERED	
4	3068	С	SOLID WOOD	Р	WOOD	Р		
5-7	3068	А	WOOD/ GLAZING	Р	WOOD	Р	TEMPERED	
(8)	3068	В	GB (Zii) G			P		
9	3068	C	WOOD/ GLAZING		WOOD			
10	3066	D	GENEIIVG					
(11)	3068	В						
12-14	3068	А	WOOD/ GLAZING	Р	WOOD	Р	TEMPERED	
15	3068	C	de Enva		WOOD			
18)	3068	С			WOOD			
17)	3068	С			WOOD			
(18)	3068	С			WOOD	Р	1HR. FIRE-RATED	
19-22	3068	A	WOOD/ GLAZING	Р	WOOD	Р	TEMPERED	
23-25	3068	В	HOLLOW METAL	Р	WOOD	Р		
(26)	3066	D				Р		
27-28	3068	A	WOOD/ GLAZING	Р	WOOD	Р	TEMPERED	
29	3068	А	GENZIIVG				TEMPERED	
(30)	3068	А	WOOD/ GLAZING	Р	WOOD		TEMPERED	
(31)	3068	С	GLAZING		WOOD	Р		
32-33	3068	А	WOOD/ GLAZING	Р	WOOD	Р	TEMPERED	
(34)	3068	С	GEAZI G		WOOD			
(35)	3068	А	WOOD/ GLAZING	Р	WOOD	Р	TEMPERED	
(38)	3068	С	WOOD/ GLAZING	Р	WOOD	Р	TEMPERED	
(37)	3068	С	GD (ZIIVG	Р	WOOD	Р	1	
38)	3080	А	WOUD/ GLAZING	Р	WOOD	Р	TEMPERED	
(39)	3068	С	GEACHAG		WOOD			







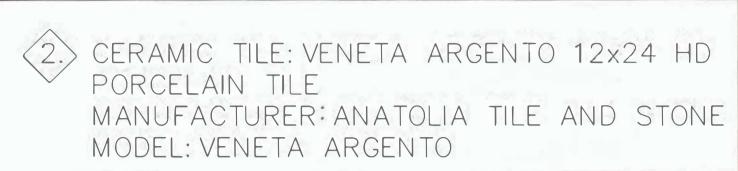
BEHAVIORAL F REMODEL & I 8th. STREET, E

SEE PLAN

LEGEND

A FLOOR FINISH

1.) LVT: LUXURY VINYL TILE MANUFACTURER: NAUVIO MODEL: ARDEN SERIES





(4.) EXPOSED CONCRETE FINISH

B.WALL FINISH

- PAINT FINISH OF PLASTER OVER DRYWALL MANUFACTURER: SHERWIN WILLIAMS COLOR:
 - PAINT FINISH OF PLASTER OVER
 DRYWALL
 MANUFACTURER: SHERWIN WILLIAMS
 COLOR:
 - PAINT FINISH OF PLASTER OVER
 DRYWALL
 MANUFACTURER: SHERWIN WILLIAMS
 COLOR:

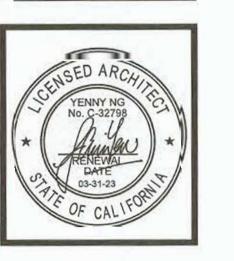
C. CEILING FINISH

1. PAINT FINISH OF PLASTER OVER DRYWALL MANUFACTURER: SHERWIN WILLIAMS COLOR:

ALL PROPRIETARY PRODUCTS/
SPECIFICATIONS SHALL INCLUDE THE
FOLLOWING "APPROVED EQUAL OR
BETTER" STATEMENT.

REV S ON





BEHAVIORAL HEALTH CLINIC
REMODEL & RE-ROOFING

ON. 8th. STREET, EL CENTRO, CA 2243

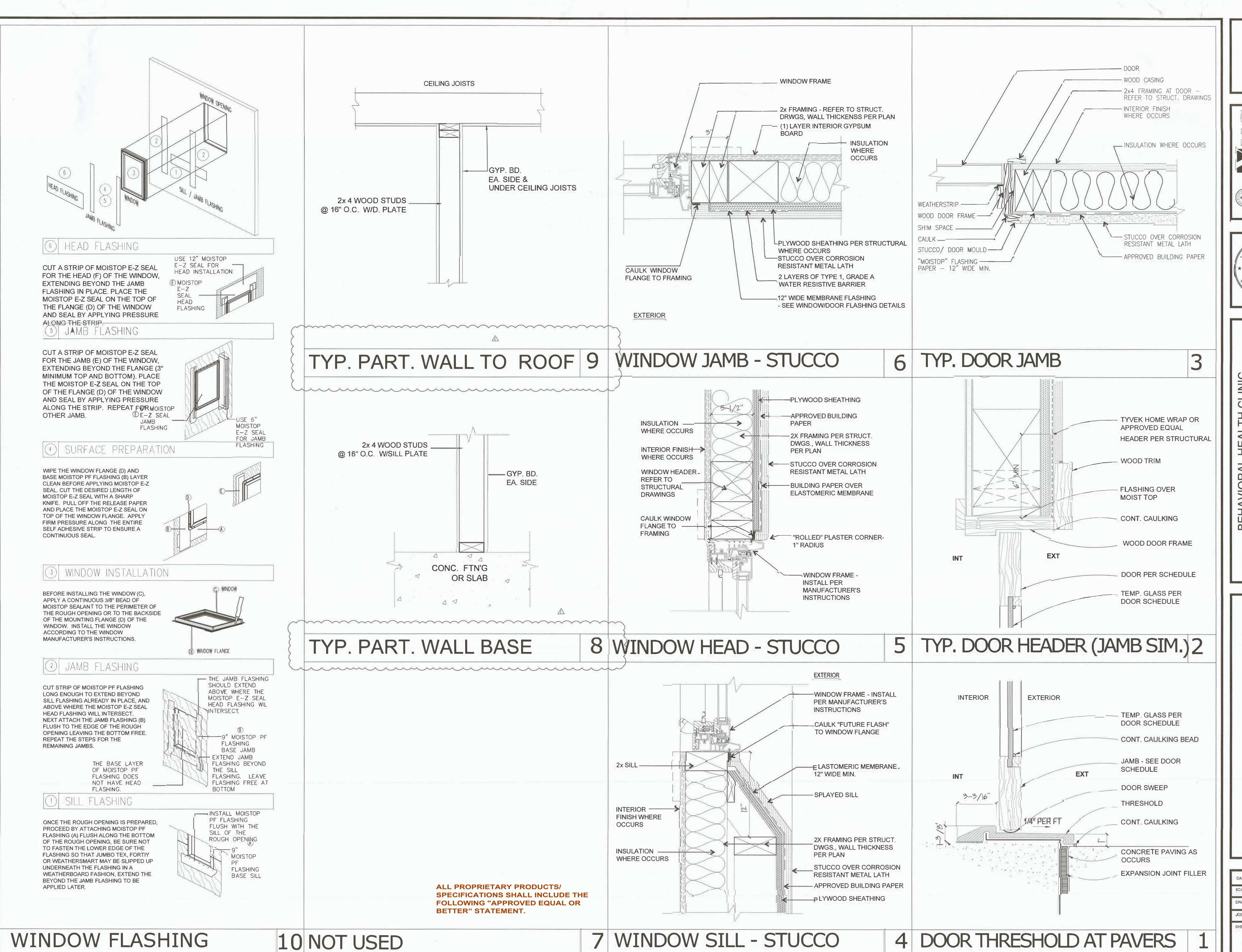
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SOOFING
ENTRO, CA 92243
GGR. INC. and shall not gar Architects. Inc.

BEHAVIORAL HEALTH CLINIC REMODEL & RE-ROOFING 120 N. 8th. STREET, EL CENTRO, CA

> ARCHITEC TURAL DETAILS

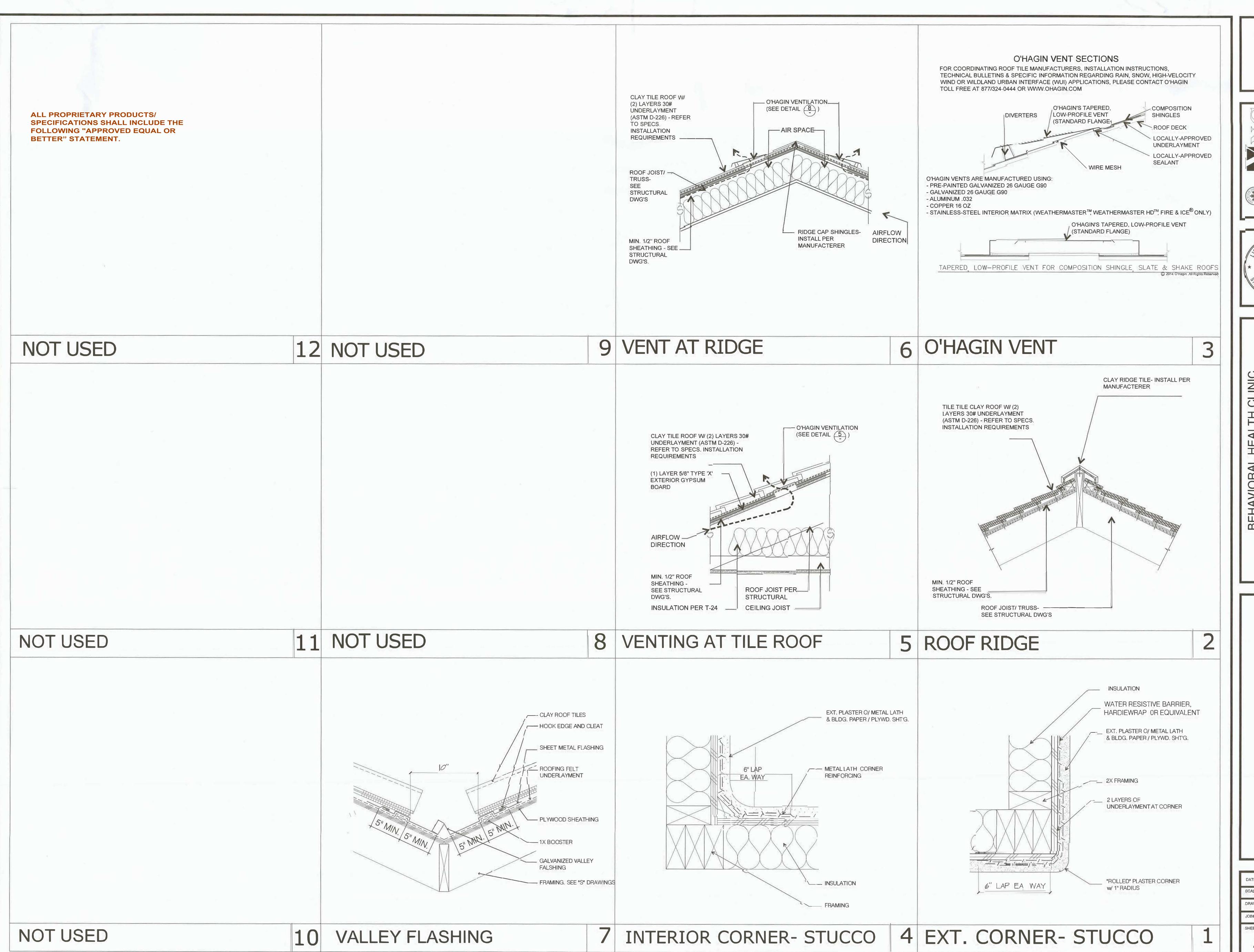
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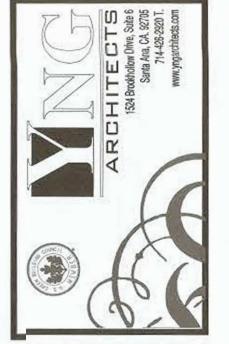
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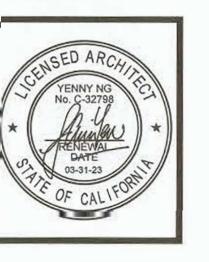
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REMODEL & RE-ROOFING

120 N. 8th. STREET, EL CENTRO, CA9224

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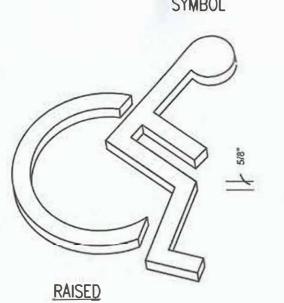
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SCALE

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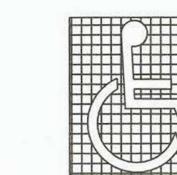
INTERNATIONAL ACCESSIBILITY





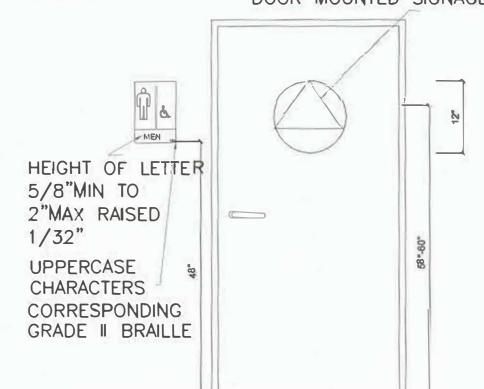
MEN





PROPORTIONS INTERNATIONAL SIGN OF ACCESSIBILIT

WALL MOUNTED SIGNAGE TO BE LOCATED ON LATCH SIDE OF DOOR CLEAR OF DOOR-SWING. MOUNT AT 60"TO CENTERLINE OF SIGN FROM FLOOR

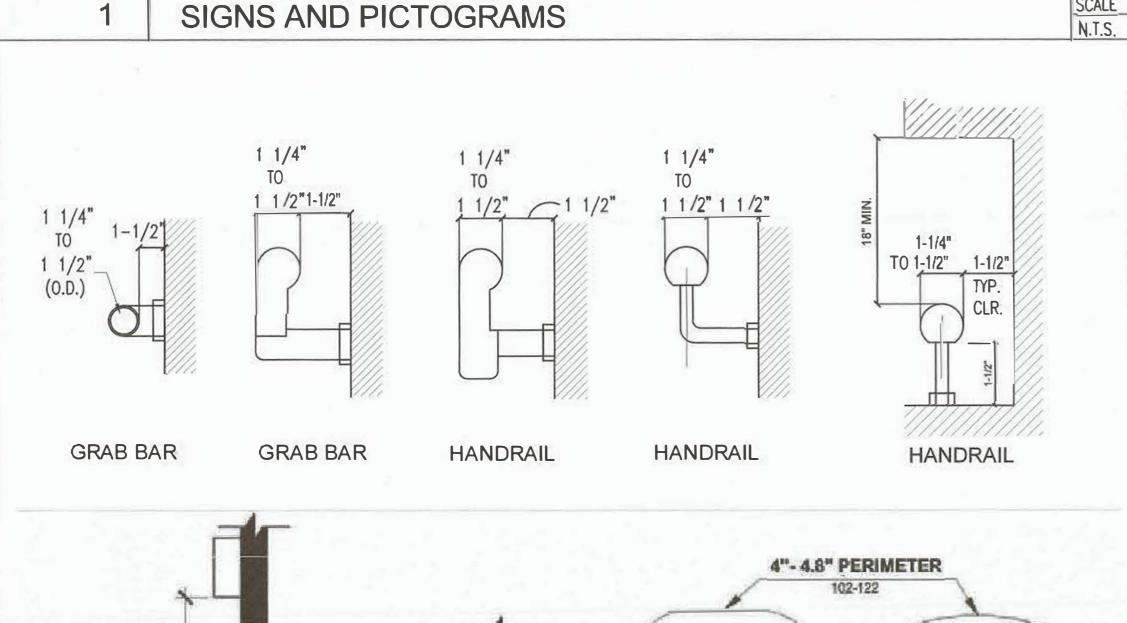


LETTERS AND NUMBERS:

- LETTERS AND NUMBERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS-SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE.
- 2. RAISED CHARACTERS OR SYMBOLS SHALL BE A MINIMUM OF 5/8" HIGH.
- PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECLY BELOW THE PICTOGRAM THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE A MINIMUM OF 6" IN HEIGHT.
- LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO BETWEEN 1:5 AND 1:10.
- CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.
- CHARCTERS AND NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO HEIGHT IS MEASURED USING AN UPPER CASE X. LOWER CASE CHARACTERS ARE PERMITTED. FOR SIGNS SUSPENDED OR PROJECTED ABOVE THE FINISH FLOOR IN COMPLIANCE WITH SECTION 1121B, THE MINIMUM CHARACTER
- CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE SYMBOLS ARE SPECIFICALLY REQUIRED IN OTHER PORTIONS OF THESE REGULATIONS. DOTS SHALL BE 1/10" ON CENTERS IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND. SIGN LOCATIONS:
- ALL BUILDING ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES AND AT EVERY MAJOR JUNCTION ALONG OR LEADING TO AN ACCESSIBLE ROUTE OF TRAVEL SHALL BE IDENTIFIED

WITH A SIGN DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, TO BE VISIBLE TO PERSONS ALONG APPROACHING PEDESTRIAN WAYS.

- THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN, MOUNTING LOCATION SHALL BE DETERMINED SO THAT THE PERSON MAY APPROACH WITHIN 3" OF THE SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.
- DOOR MOUNTED SIGNAGE 10. ADDITIONAL DIRECTIONAL SIGNS ALONG ACCESSIBLE PATH OF TRAVEL ARE REQUIRED.
 - BUILDINGS REMODELED TO PROVIDE ACCESSIBLE SANITARY FACILITIES FOR PUBLIC USE SHALL HAVE INFORMATION POSTED IN THE LOBBY AS PART OF THE BUILDING DIRECTORY.
 - INTERNATIONAL SYMBOL OF ACCESSIBILITY:
 - STANDARD USED TO IDENTIFY ACCESSIBLE FACILITIES.
 - WHITE FIGURE ON BLUE BACKGROUND, COLOR # 15090 ON FEDERAL STANDARD # 595A. 14. WHEN ENFORCING AGENCY DETERMINES, IF APPROPRIATE, SPECIAL
 - DESIGNS AND COLORS MAY BE APPROVED.
 - 15. USE CONTRASTED GRADE 2 BRAILLE. DOTS TO BE 0.1 INCH ON CENTER IN EACH CELL.
 - 16. 0.2 INCH SPACE BETWEEN CELLS.
 - 17. DOTS RAISED MINIMUM 0.025 INCH ABOVE BACKGROUND.



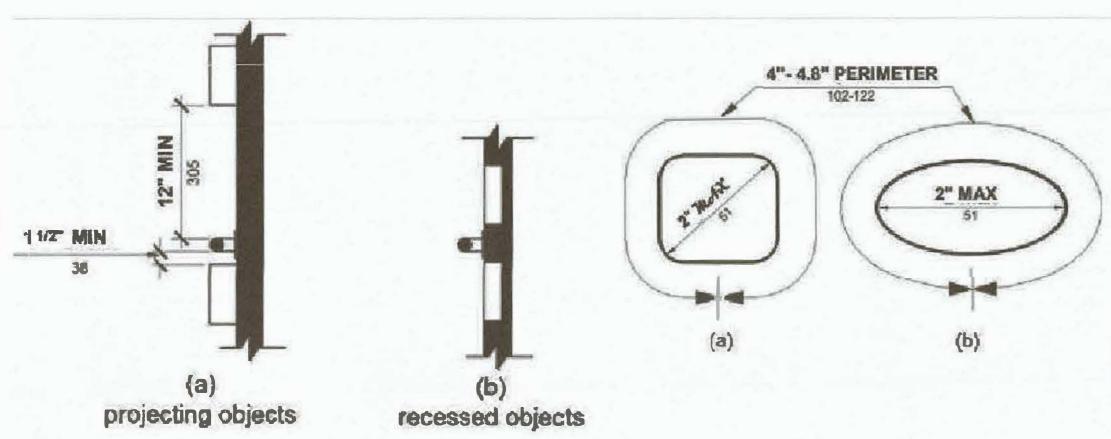
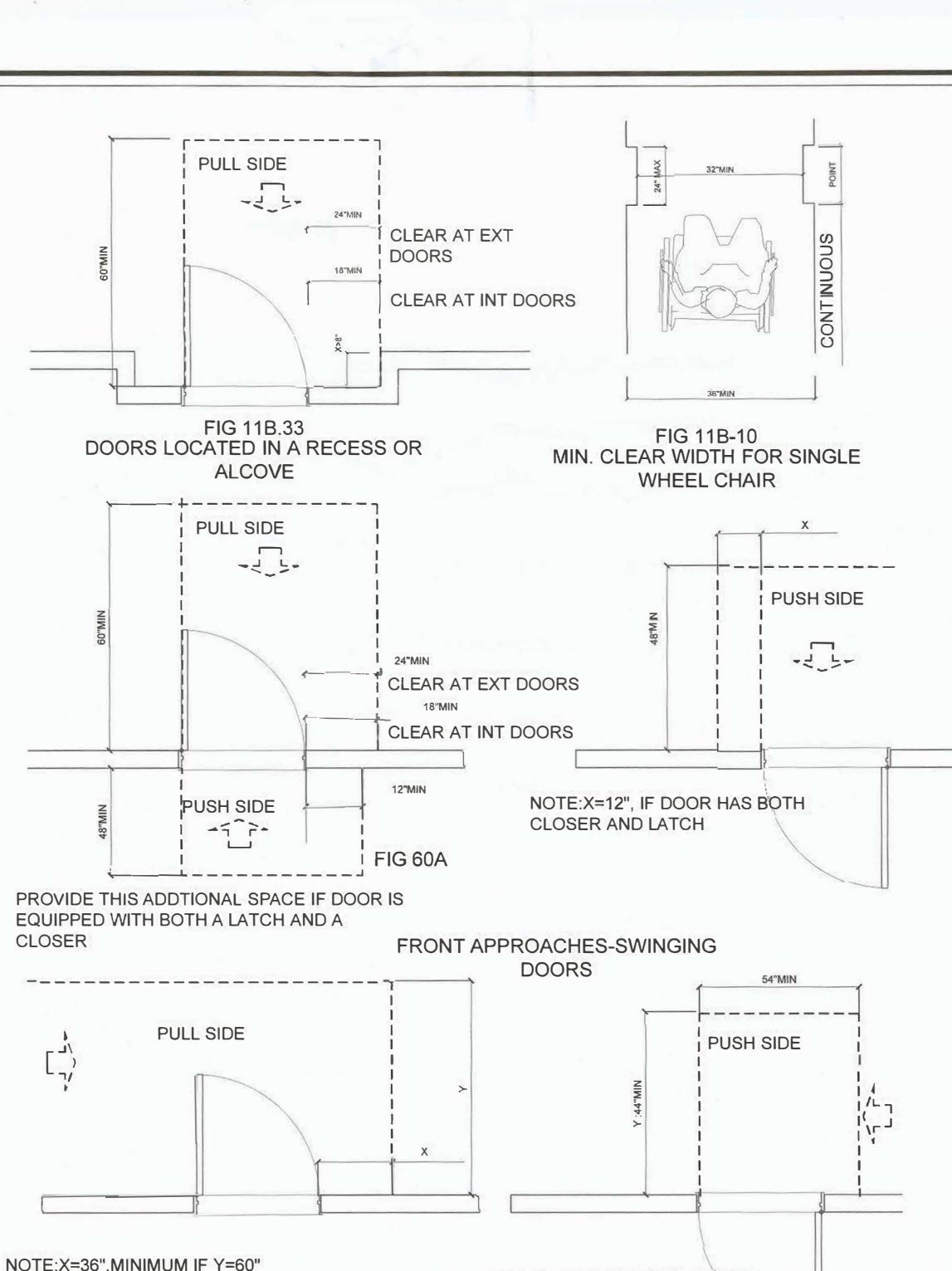
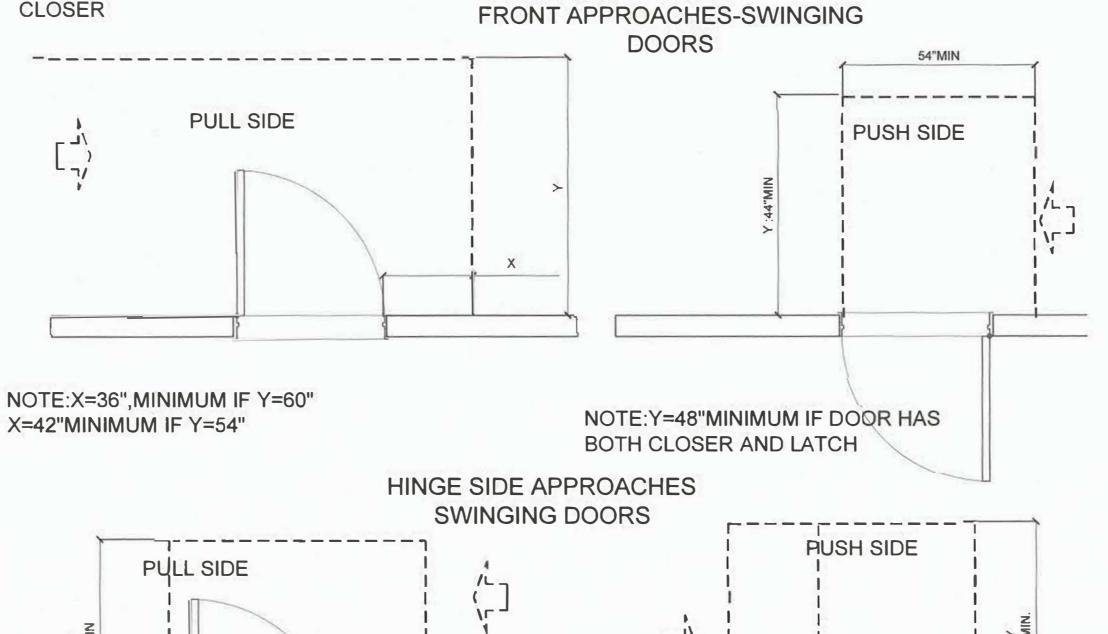
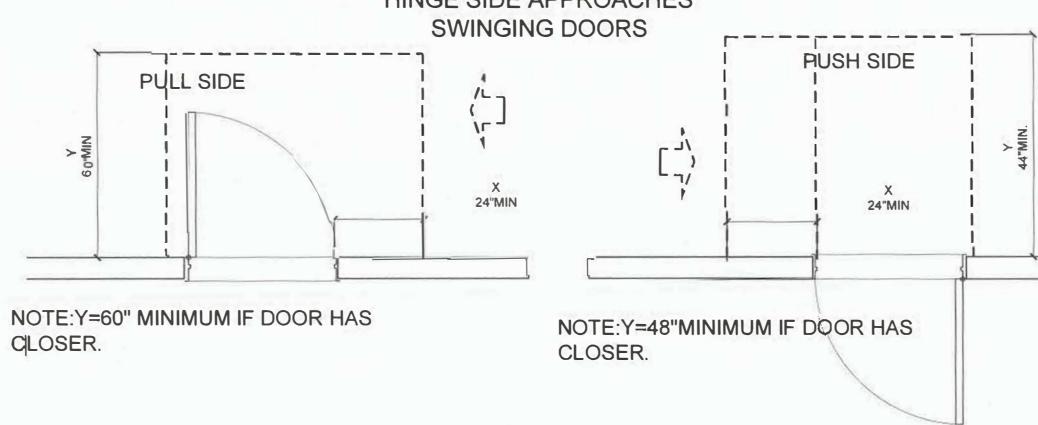


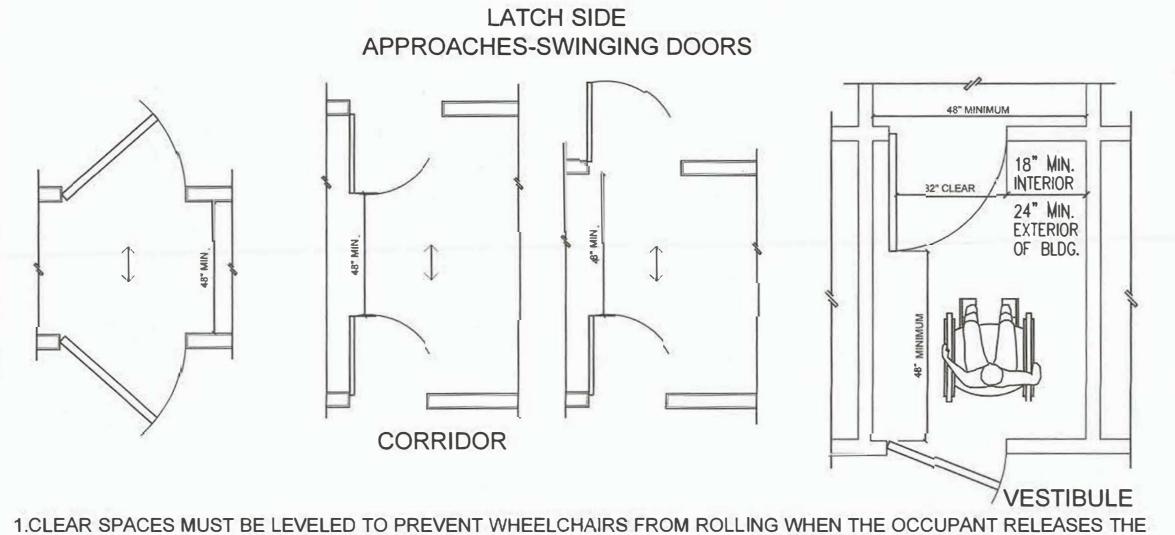
FIGURE 11B-609.3 SPACING OF GRAB BARS

FIGURE 118-609.2.2 GRAB BAR NON-CIRCULAR CROSS SECTION









WHEEL GRIPS TO REACH FOR THE DOOR. 4" PER FOOT IS ALLOWED FOR DRAINAGE.

2.WHERE DOORS OPEN ONTO, BUT NOT INTO A CORRIDOR. THE REQUIRED LEVEL AREA BEYOND THE DOORS MAY BE A MINIMUM OF 48".

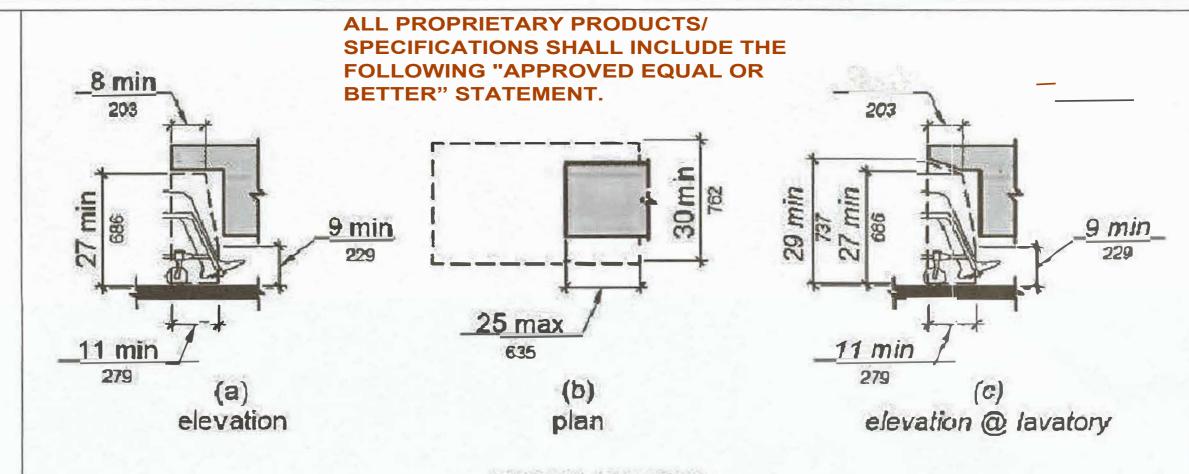
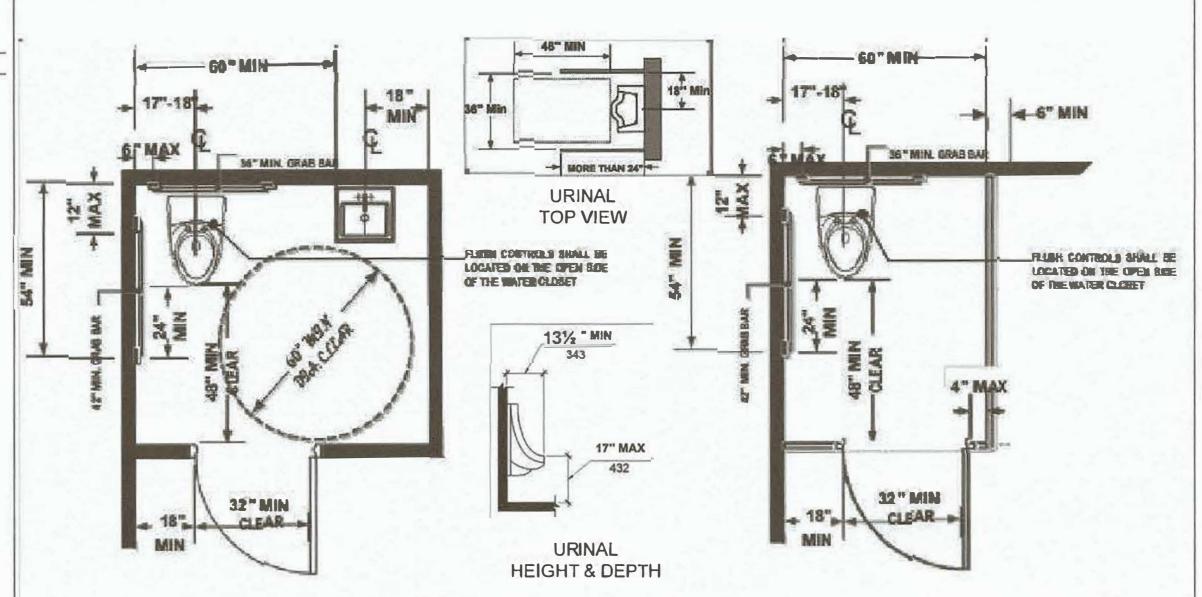


FIGURE 11B-306.3 **KNEE CLEARANCE**

NOTES:

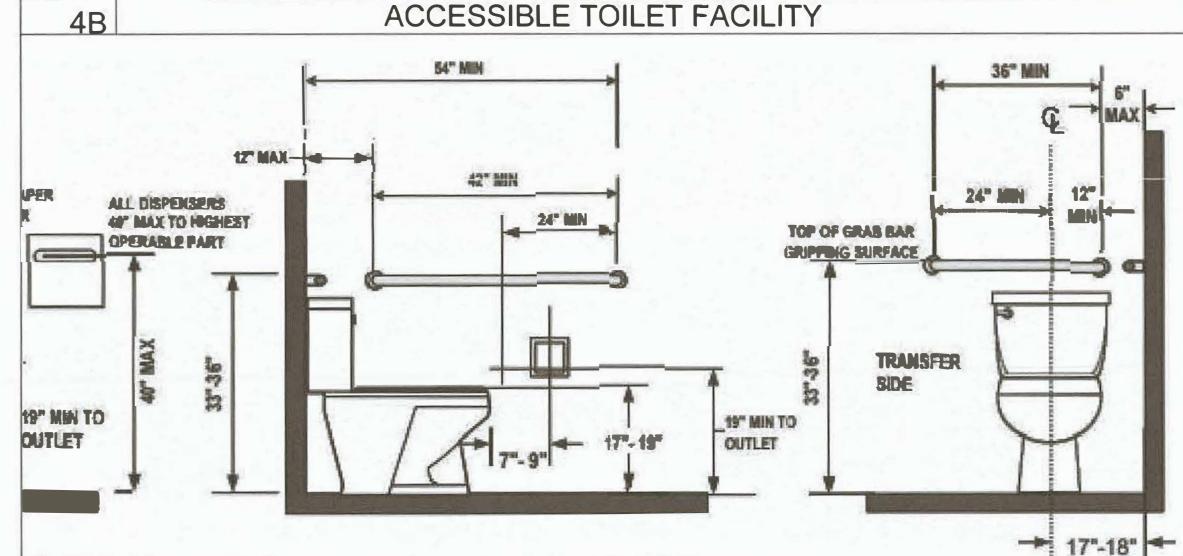
HOT WATER AND DRAIN PIPES ACCESSIBLE UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES

IF A MIN 9INCHES HEIGHT OF TOE CLEARANCE IS PROVIDED, A MAX OF 6" OF THE 48 IN. OF CLEAR FLOOR SPACE REQUIRED AT THE FIXTURE MAY EXTEND INTO THE TOE SPACE

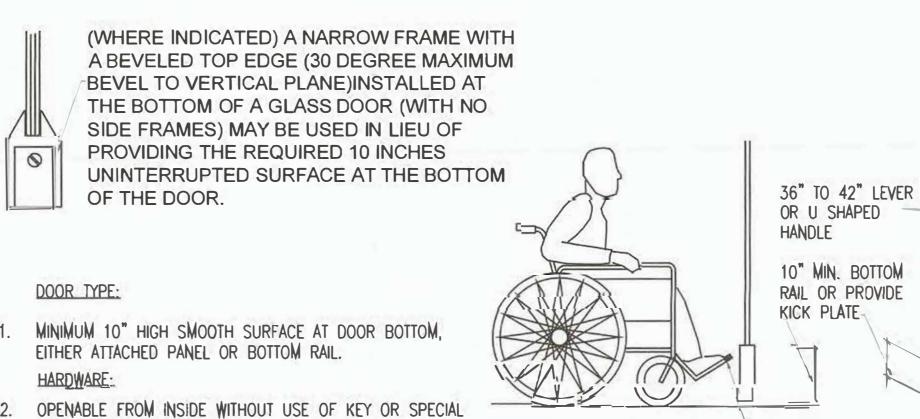


SINGLE-ACCOMMODATION TOILET FACILITY

ACCESSIBLE WATER CLOSET COMPARTMENT WITHIN MULTIPLE-ACCOMMODATION TOILET FACILITY



FLOOR MOUNTED WATER CLOSETS



KNOWLEDGE OR EFFORT. OPENABLE BY SINGLE EFFORT LEVER-TYPE DEVICE (NOT REQUIRING GRASPING).

THE MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS, WITH SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS. SEC. 11B-404.2.9

4_ MOUNTED 36" 19 42". THIS DIAGRAM ILLUSTRATES THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND IS INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION

RUBBER BUMPER

ON CHAIR

SCALE N.T.S.

B.M./L.W YP22005 AD.3

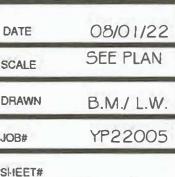
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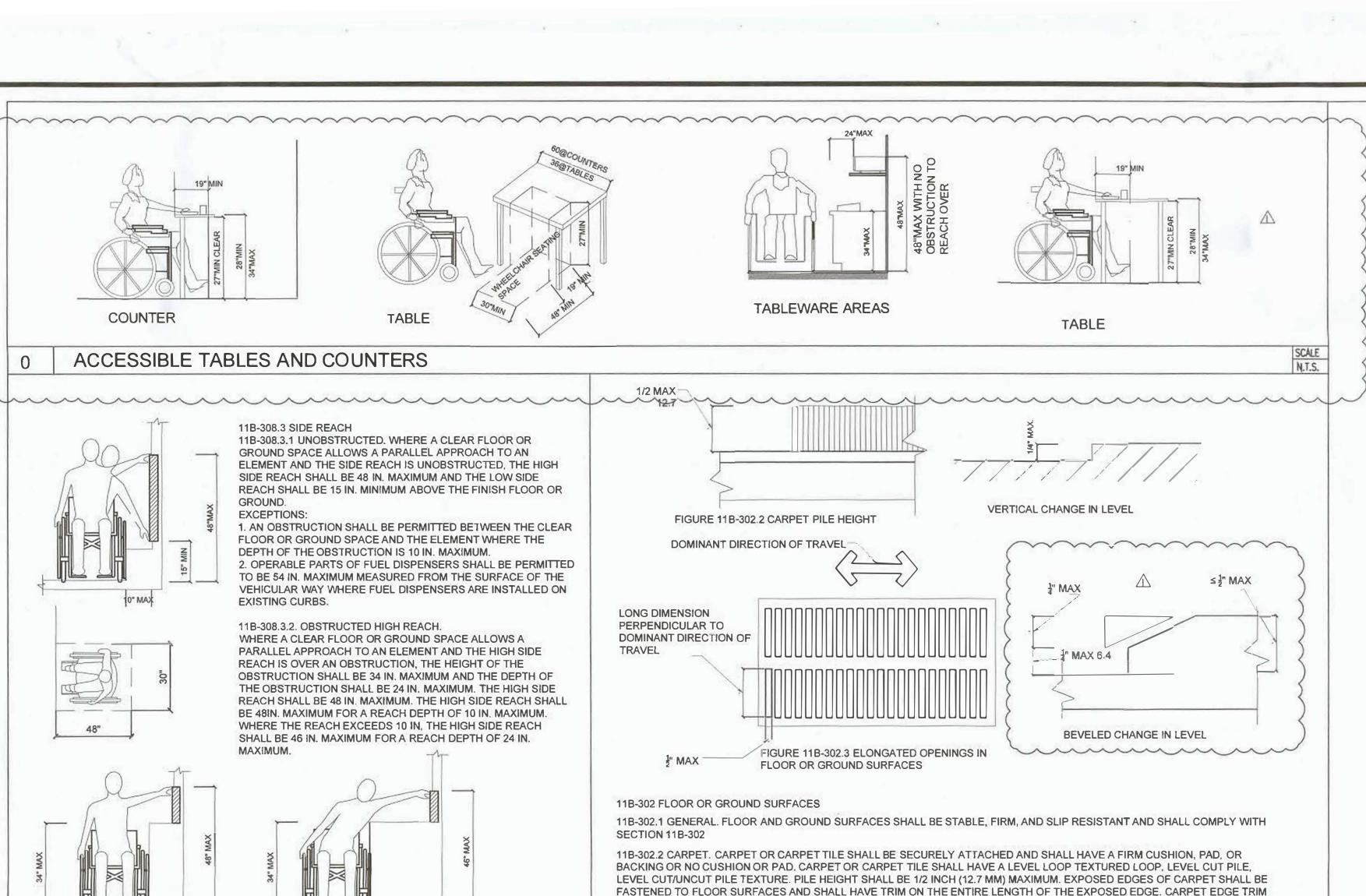
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TABLE

11B-308.3.1 UNOBSTRUCTED. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN

ELEMENT AND THE SIDE REACH IS UNOBSTRUCTED, THE HIGH

REACH SHALL BE 15 IN. MINIMUM ABOVE THE FINISH FLOOR OR

1. AN OBSTRUCTION SHALL BE PERMITTED BETWEEN THE CLEAR

2. OPERABLE PARTS OF FUEL DISPENSERS SHALL BE PERMITTED TO BE 54 IN. MAXIMUM MEASURED FROM THE SURFACE OF THE

VEHICULAR WAY WHERE FUEL DISPENSERS ARE INSTALLED ON

WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A

REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE

PARALLEL APPROACH TO AN ELEMENT AND THE HIGH SIDE

OBSTRUCTION SHALL BE 34 IN. MAXIMUM AND THE DEPTH OF

THE OBSTRUCTION SHALL BE 24 IN. MAXIMUM. THE HIGH SIDE

BE 48IN. MAXIMUM FOR A REACH DEPTH OF 10 IN. MAXIMUM.

WHERE THE REACH EXCEEDS 10 IN, THE HIGH SIDE REACH

SHALL BE 46 IN. MAXIMUM FOR A REACH DEPTH OF 24 IN.

REACH SHALL BE 48 IN. MAXIMUM. THE HIGH SIDE REACH SHALL

FLOOR OR GROUND SPACE AND THE ELEMENT WHERE THE

DEPTH OF THE OBSTRUCTION IS 10 IN. MAXIMUM.

11B-308.3.2. OBSTRUCTED HIGH REACH.

SIDE REACH SHALL BE 48 IN. MAXIMUM AND THE LOW SIDE

UNOBSTRUCTED SIDE REACH

MAXIMUM.

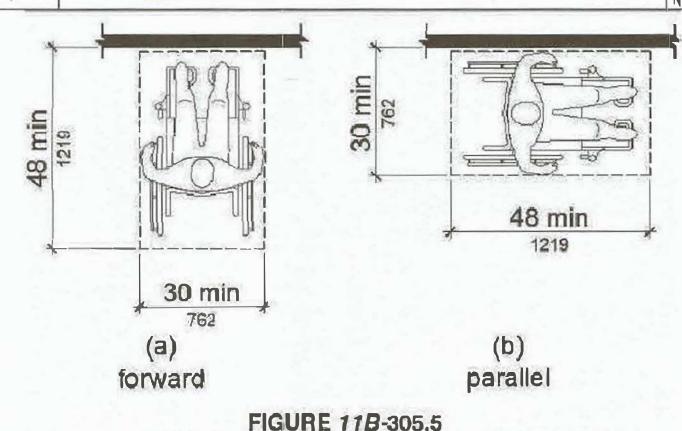
COUNTER

10" MAX

48"

ACCESSIBLE TABLES AND COUNTERS

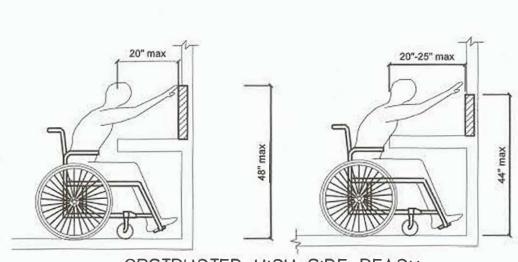
11B-308.3 SIDE REACH



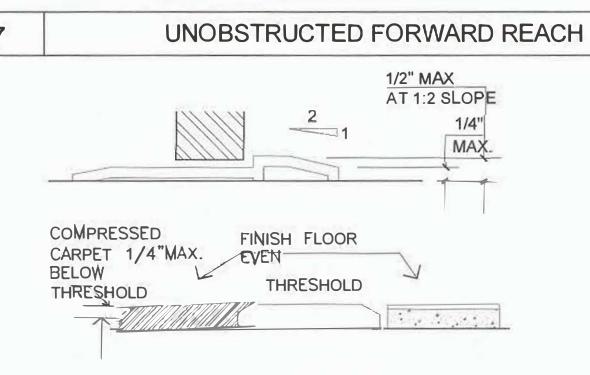
POSITION OF CLEAR FLOOR OR GROUND SPACE

ACCESSIBLE APPROACH

11B-308.2 FORWARD REACH 11B-308.2.1 UNOBSTRUCTED. WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48 IN MAX. AND THE LOW FORWARD REACH SHALL BE 15 IN, MIN. ABOVE THE FINISH FLOOR OR GROUND. 11B-308,2.2 OBSTRUCTED HIGH REACH. WHERE A HIGH FORWARD REACH IS OVER AN OBSTRUCTION. THE CLEAR FLOOR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION. THE HIGH FORWARD REACH SHALL BE 48IN. MAXIMUM, WHERE THE REACH DEPTH EXCEEDS 20 IN, THE HIGH FORWARD REACH SHALL BE 44 IN. MAXIMUM AND THE REACH DEPTH SHALL BE 25 IN. MAXIMUM.



OBSTRUCTED HIGH SIDE REACH



THRESHOLDS

4 (E) ACCESSIBILITY SIGNS top diameter of 11.4 mm-11.9 mm 0.9-0.92 22.9 mm 23.4 mm ncittoy ste (enlarged) 23-24 58-61 FIGURE #18-706.1 Parking Sign MARKING 11B-502.6.4 9'-0" MIN O.C. WITHIN THE LOADING & UNLOADING PAINT THE WORDS "NO PARKING" IN 12" HIGH MINIMUM WHITE LETTERS

SHALL COMPLY WITH SECTION 11B-303.

11B-303 CHANGES IN LEVEL

WITHOUT EDGE TREATMENT.

WITH SECTION 11B-303.

INCH (12.7 MM) DIAMETER EXCEPT AS ALLOWED IN SECTIONS 11B-407.4.3.

IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL

SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2

SHALL BE PLACED IMMEDIATEL DIACENT TO, AND VISIBLE FROM NAUTHORIZED VEHICLES PARKE THE STALL OR SPACE, OR POSTE IN DIRECTHATED ACCESSIBLE OF 78 SQJN. SPACES NOT DISPLAYING PARKIN ENTRANCE TO AN OFF STREE STANGUISHING PLACARDS O OTORISTS THAT THEIR VEHICLE FOR PERSONS WITH DISABILITIES WILL BE TOWED AWAY MILL BE TOWED AWAY IF THEY A IN DESIGNATED STALLS OF PACES WITHOUT A SPECIAL AT THE OWNER'S EXPENSE ITIFICATION LICENSE PLATE O DISTINGUISHING PLACARD FOR MAY BE ROCAUED AT ERSONS WITH DISABILITIES. THE SIGN SHALL INCLUDE THE ADDRESS WHERE THE TOWED OR BY TELEPHONING EHICLE CAN BE RECLAIMED AND WHERE APPLIE E TELEPHONE NUMBER OF THE CAL TRAFFIC LAW PLACE A SIGN AT EVERY PUBLIC WAL BOOK DEATED WAN ENTRANCE AND AT EVERY MAJOR PCCESSISTE SOUTE SHAFT BE 80. MSN. JUNCTION ALONG OR LEADING A.F.A. OR AS OVE CROUND SUPPRICE AN ACCESSIBLE PATH OF TRAVEL PENS MAY ALSO HE PURSHEDITE DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. SIGNS POSTED ON A WALL AT THE ETTERON END OF THE PARKING SPACE. SHALL INDICATE THE OFFECTION T ACCESSIBLE FACILITY ENTRANCES GROUND SURFACE FINISH LINE SCALE | ACCES. SCALE TOW AWAY SIGN N.T.S. SIGN DETECTABLE WARNING SURFACE TOP DIAMETER 0.45-0.47" (11.4MM-11.9MM) NAZARDOUS VEHICULAR AREAS DETECTABLE WARNINGS AT HAZARDOUS VEHICULAR AREAS SHA BE 36 IN, IN VADTH RACK CROSSINGS. DETECTABLE WARNINGS AT TRACK CROSSINGS SHALL BE 36 IN. IN THE THE FULL, WEDTH OF THE CIRCULATION PATH (a) ENLARGED PLAN DESIGN SITE TO PROVIDE COMPLYING ACCIOSS FROM PROPERTY LINE TO ALL FACILITIES: AND ENTRANCES AND EXTER OR GROUND FLOOR EXITS OF ALL FACILITIES. ACCESSIBLE PATHS OF TRAVEL SHALL BE THE MOST PRACTICAL DIRECT ROLLTE FEASIBLE AND MAY INCORPORATE PEDESTRIAN RAMPS URBS RAMPS, ETC. ALL PATHS OF TRAVEL SHALL COMPLY UNLESS THERE IS AN APPROVED EXCEPTION PLACE A SIGN AT EVERY PUBLIC ENTRANCE AND AT EVERY IMAJOR JUNCTION ALONG OR LEADING TO AN ACCESSIBLE PATH OF TRAVEL DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. CBC 11278.3 SIZE AND SPACING OF TRUNCATED DOMES SIGNS SHALL INDICATE THE DIRECTION TO ACCESSIBLE FACILITY ENTRANCES AND COMPLY WITH CBC PROVIDE ACCESSIBLE PARKING PER IN EACH LOT OR PARKING STRUCTURE WHERE PARKING IS PROVIDED FOR THE PUBLIC OR EMPLOYEES, PAINT "NO PARKING" ON THE GROUND WITHIN EACH ACCES
ASSE, USE 12' (154 NW) MINIMUM HIGH WHITE LETTERS THAT ARE VISIBLE TO TRAFFIC ENFORCEMENT TRUNCATED DOMES DET BY A REFLECTORIZED SIGN PERMANENTLY POSTED IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL, OR SPACE, CONSISTING OF A PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT IN WHITE ON - SURFACE SLOPE IN ANY DIRECTION BLUE BACKGROUND, THE SIGN SHALL NOT BE SMALLER THAN 70 SQUARE INCHES IN AREA AND, WHEN IN TO THE PARKING SPACE FINISHED GRADE AND SHALL RELINORSCURED BY A PARKED VEHICLE, SIGNS

11B-302.3 OPENINGS. OPENINGS IN FLOOR OR GROUND SURFACES SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2

11B-409.4.3, 11B-410.4, 11B-810.5.3 AND 11B-810.10. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSIONS

11B-3O3.1 GENERAL. WHERE CHANGES IN LEVEL ARE PERMITTED IN FLOOR OR GROUND SURFACES, THEY SHALL COMPLY

11B.303.1 VERTICAL. CHANGES IN LEVEL OF 1/4 INCH (6.4 MM) HIGH MAXIMUM SHALL BE PERMITTED TO BE VERTICAL AND

11B.303.3 BEVELED. CHANGES IN LEVEL BETWEEN 1/3 INCH (6.4 MM) HIGH MINIMUM AND 1/2 INCH (12/7 MM) HIGH MAXIMUM

FLOOR OR GROUND SURFACES

MAY ALSO BE CENTERED ON THE WALLAT THE INTERIOR END OF THE PARKING, SPACE AT A MINIMUM ERRHT OF 38 INCHES FROM THE PARKING SPACE FINISHED GRADE GROUND OR SIDEWAYK VAN SPACES SHALL HAVE AN ADDITIONAL SIGN STATING "VAN ACCESSIBLE" MOUNTED BELOW THE SYMBOL OF ACCESSIBILITY. AN ADDITIONAL SIGN OR ADDITIONAL LANGUAGE BELOW THE SYMBOL OF ACCESSIBILITY B AN ADDITIONAL SIGN SHALL ALSO BE POSTED IN A CONSPICUOUS PLACE AT EACH ENTRANCE TO F-STREET PARKING FACILITIES, OR IMMEDIATELY ADJACEMY TO AND VISIBLE FROM EACH STALL OR PACE THE SIGN SHALL NOT BE LESS THAN 17 INCHES BY 22 INCHES IN SIZE WITH LETTERING NOT LES INAUTHORIZED VEHICLES PARNED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTRICUSHING PLACARDS OR SPECIAL LICENSE PLATES ISSUED FOR PERSONS WITH OISABILINES WILL BE TOWED AWAY AT THE OWNER'S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED BY TELEPHONING THE C. IN ADDITION TO THE ABOVE REQUIREMENTS. THE SURFACE OF EACH ACCESSIBLE PARKING SPACE OR ALL SHALL HAVE A SURFACE IDENTIFICATION DUPLICATING BITHER OF THE FOLLOWING SOMEWES BY OUTLINING OR PAINTING THE STALL OR SPACE IN BLUE AND OUTLINING ON THE GROUND IN THE ITALL OR SPACE IN WHITE OR SUITABLE CONTRASTING COLOR A PROFILE VIEW DEPICTING A MI (EELCHAIR WITH OCCUPANT, OR BY OUTLINING A PROFILE VIEW OF A WHEEL CHAIR WITH OCCUPANT IN WHITE ON BLACK BACKGROUND. THE PROFILE VIEW SHALL BE LOCATED SO THAT IT IS VISIBLE TO A RAFFIC ENFORCEMENT OFFICER WHEN A VEHICLE IS PROPERLY PARHED IN TEH SPACE AND SHALL BE 8'-0" MIN AT VAN ACCESSIBLE ROVIDE AND DETAIL TACTILE EXIT S'GNAGE PER CBC 1011.4 AND 118-703. IOENTIFY WORDING THAT WILL PARKING STALL DCCUR AT EACH LOCATION. PLEASE NOTE ON PLANS THAT CHARACTERISTICS SHALL BE SANS SERIF IPPERCASE ACCOMPANIED BY GRADE 2 BRAILLE 5'-0" MIN AT STD. ACCESSIBLE PARKING STALL FA WALK CROSSES OR ADJOINS A VEHICULAR WAY, AND THE WALKING SURFACES ARE NOT SEPARATED BY CURBS, RAILINGS OR OTHER ELEMENTS BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS; THE BOUNDARY BETWEEN THE AREAS SHALL BE DEFINED BY A CONTINUOUS DEFLECTABLE WARNING NHICH IS 38 INCHES WIDE, COMPLYING WITH CBC 118-705. DETAIL PER FIGURE 118-705.1. VAN PARKING SPACES SHALL BE PERMITTED TO BE 108 INCHES (9 FEET) WIDE MINIMUM WHERE THE ACCESS AISLE IS 96 INCHES (8 FEET) WIDE MINIMUM.

SCALE_

ACCESSIBLE PARKING

PER SECTION 301.1.1 CAL GREEN AND CIVIL CODE 1101.3(C), ALL NON=COMPLIANT PLUMBING FIXTURES WITHIN THIS RESIDENCE SHALL BE REPLACED WITH WATER CONSERVING PLUMBING FIXTURES." BUILDINGS FINALED ON OR AFTER 01/01/94 ARE EXEMPT FROM THIS REQUIREMENT.

PARKINGS NOTES

CROSS SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER SHALL NOT BE STEEPER THAN 1:48 (2.083%)

DETECTABLE WARNINGS AND DETECTABLE DIRECTIONAL TEXURE

CURB RAMPS SHALL HAVE DETECTABLE WARNINGS THAT EXTEND 36 INCHES IN THE DIRECTION OF TRAVEL FOR THE FULL WIDTH OF THE RAMP RUN EXCLUDING ANY FLARED SIDES.

ON PERPENDICULAR CURB RAMPS, DETECTABLE WARNINGS SHALL BE LOCATED SO THE EDGE NEAREST THE CURB IS 6 TO 8 INCHES FROM THE LINE AT THE FACE OF THE CURB MARKING THE TRANSITION BETWEEN THE CURB, AND THE GUTTER, STREET OR HIGHWAY.

ON PARALLEL CURB RAMPS, DETECTABLE WARNINGS SHALL BE PLACED ON THE TURNING SPACE AT THE FLUSH TRANSITION BETWEEN THE STREET AND SIDEWALK.

ISLANDS OR CUT-THROUGH MEDIANS 96 INCHES OR LONGER IN LENGTH IN THE DIRECTION OF PEDESTRIAN TRAVEL SHALL HAVE DETECTABLE WORKINGS THAT ARE 36 INCHES MINIMUM IN DEPTH OR CUT THROUGH, PLACED AT THE EDGES OF THE PEDESTRIAN OR CUT-THROUGH MEDIAN, AND SEPARATED BY 24 INCHES MINIMUM OF WALKING SURFACE WITHOUT DETECTABLE WARNINGS.

WALKS THAT CROSS OR ADJOIN A ROUTE PROVIDED FOR VEHICULAR TRAFFIC, SUCH AS IN A STREET, DRIVEWAY, OR PARKING FACILITY, SHALL BE SEPARATED BY DETECTABLE WARNINGS, CURBS, RAILINGS OR OTHER ELEMENTS BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS.

DETECTABLE WARNINGS PROVIDED TO SEPARATE WALKS THAT CROSS OR ADJOIN A ROUTE PROVIDED FOR VEHICULAR TRAFFIC. SUCH AS IN A STREET, DRIVEWAY, OR PARKING FACILITY. SHALL BE 36 INCHES IN WIDTH AND CONTINUOUS VEHICULAR AREAS.

PROVIDE DETECTABLE WARNING DETAILS SHOWING COMPLIANCE WITH THE FOLLOWING:

A. DETECTABLE WARNING SURFACES SHALL VISUALLY CONTRAST LIGHT-ON-DARK OR DARK-ON-LIGHT WITH ADJACENT WALKING SURFACES OR BE SEPARATED FROM ADJACENT SURFACES BY A 1 INCH WIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE SURFACE.

B. DETECTABLE WARNING PRODUCTS AND DIRECTIONAL SURFACES MUST ENSURE CONSISTENCY AND UNIFORMITY FOR SHAPE, COLOR FASTNESS, CONFORMATION, SOUND-ON-CANE ACOUSTIC QUALITY, RESILIENCE, AND THAT ATTACHMENT WILL NOT DEGRADE SIGNIFICANTLY (<10%) FOR AT LEAST FIVE YEARS.

WALKS THAT CROSS OR ADJOIN A ROUTE PROVIDED FOR VEHICULAR TRAFFIC, SUCH AS IN A STREET, DRIVEWAY, OR PARKING FACILITY, SUCH AS IN A STREET, DRIVEWAY, OR PARKING FACILITY, SHALL BE SEPARATED BY DETECTABLE WORKINGS, CURBS, RAILINGS OR OTHER ELEMENTS BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS.

DETECTABLE WARNINGS PROVIDED TO SEPARATE WALKS THAT CROSS OR ADJOIN A ROUTE PROVIDED FOR VEHICULAR TRAFFIC, SUCH AS IN A STREET, DRIVEWAY, OR PARKING FACILITY, SHALL BE 36 INCHES IN WIDTH AND CONTINUOUS AT THE BOUNDARY BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS.

PROVIDE DETECTABLE WARNING IN A DETECTABLE WARNING SURFACE SHALL HAVE A BASE DIAMETER OF 0.9 TO 0.92 INCHES, A TOP DIAMETER OF 0.45 TO 0.47 INCHES, AND A HEIGHT OF 0.18 TO 0.22 INCHES

B. TRUNCATED DOMES PLACED IN A GRID PATTERN IN A DETECTABLE WARNING SURFACE SHALL HAVE A CENTER-TO-CENTER SPACING OF 2.3 TO 2.4 INCHES, AND A MINIMUM BASE-TO-BASE SPACING OF 0.65 INCHES, MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID.

C. DETECTABLE WARNING SURFACES SHALL VISUALLY CONTRAST LIGHT-ON-DARK OR DARK-ON-LIGHT WITH ADJACENT WALKING SURFACES OR BE SEPARATED FROM ADJACENT SURFACES BY 1 INCH WIDE BLACK STRIP. MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE SURFACE.

D. DETECTABLE WARNING SURFACES SHALL DIFFER FROM ADJOINING SURFACES IN RESILIENCY OR SOUND-ON-CANE CONTACT EXCEPT AT CURB RAMPS, ISLANDS OR CUT-THROUGH MEDIANS.

E. DETECTABLE WARNING SURFACES SHALL BE YELLOW CONFORMING TO FS 33538 OF FEDERAL STANDARD 595C EXCEPT AT CURB RAMPS. ISLANDS OR CUT-THROUGH MEDIANS.

F. DETECTABLE WARNING PRODUCTS AND DIRECTIONAL SURFACES SHALL BE APPROVED BY THE DIVISION OF THE STATE ARCHITECT.

G. DETECTABLE WARNING PRODUCTS AND DIRECTIONAL SURFACES INSTALLED AFTER JANUARY 1, 2001, SHALL BE EVALUATED BY AN INDEPENDENT ENTITY, SELECTED BY THE DIVISION OF THE STATE ARCHITECT, TO CONFIRM COMPLIANCE WITH THE PRESCRIPTIVE AND PERFORMANCE STANDARDS OF TILE 24.

H. INDEPENDENT ENTITIES FOR TESTING OF DETECTABLE WARNING PRODUCTS AND DIRECTIONAL SURFACES SHALL BE A NOT-FOR-PROFIT PRODUCT SAFETY TESTING AND CERTIFICATION ORGANIZATION, SAFETY TESTING AND CERTIFICATION ORGANIZATION, SAFELY TESTING AND CERTIFICATION ORGANIZATION, DEDICATED TO TESTING FOR PUBLIC SAFETY THAT OPERATES FOR THE TESTING, CERTIFICATION AND QUALITY ASSESSMENT OF PRODUCTS, SYSTEMS AND SERVICES

I. INDEPENDENT ENTITIES FOR TESTING OF DETECTABLE WARNING PRODUCTS AND DIRECTIONAL SURFACES SHALL BE RECOGNIZED AS HAVING APPROPRIATE EXPERTISE IN DETERMINING WHETHER PRODUCTS COMPLY WITH THE CALIFORNIA CODE OF REGULATIONS. TITLE 24

J. DETECTABLE WARNING PRODUCTS AND DIRECTIONAL SURFACES MUST ENSURE CONSISTENCY AND UNIFORMITY FOR SHAPE, COLOR CONSISTENCY AND UNIFORMITY FOR SHAPE, COLOR FASTNESS, CONFORMATION, SOUND-ON-CANE ACOUSTIC QUALITY, RESILIENCE, AND THAT ATTACHMENT WILL NOT DEGRADE SIGNIFICANTLY (<10%) FOR AT LEAST FIVE YEARS.

ENTRANCES

ENTRANCES SHALL BE PROVIDED IN ACCORDANCE WITH 11B-206.4 ENTRANCES ENTRANCE DOORS, DOORWAYS AND GATES SHALL COMPLY WITH 11B-404 DOORS. DOORWAYS, AND GATES AND SHALL BE ON AN ACCESSIBLE ROUTE COMPLYING WITH 11B-402 ACCESSIBLE ROUTES; (SEE EXCEPTIONS).

FACILITY ENTRANCE SHALL COMPLY WITH 11B-404 DOORS, DOORWAYS AND GATES

ALL ENTRANCES AND EXTERIOR GROUND-FLOOR EXITS TO BUILDINGS AND FACILITIES SHALL COMPLY WITH 11B-402 DOORS, DOORWAYS, AND GATES WHERE DIRECT ACCESS IS PROVIDED FOR PEDESTRIANS FROM A PARKING STRUCTURE TO A BUILDING OR FACILITY ENTRANCE, EACH DIRECT ACCESS TO THE BUILDING OR

DIRECT CONNECTIONS TO OTHER FACILITIES SHALL PROVIDE AN ACCESSIBLE ROUTE COMPLYING WITH 11B-404 DOORS, DOORWAYS, AND GATES FROM THE POINT OF CONNECTION TO BOARDING PLATFORMS AND ALL TRANSPORTATION SYSTEM ELEMENTS REQUIRED TO BE ACCESSIBLE. ANY ELEMENTS PROVIDED TO FACILITATE FUTURE DIRECT CONNECTIONS SHALL BE ON AN ACCESSIBLE ROUTE CONNECTION BOARDING PLATFORMS AND ALL TRANSPORTATION SYSTEM ELEMENTS REQUIRED TO BE ACCESSIBLE.

TECHNICAL REQUIREMENTS FOR ACCESSIBLE ROUTES

ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS; WALKING SURFACES WITH A RUNNING SLOPE NOT STEEPER THAN 1:20 (5%). DOORWAYS, RAMPS, CURB RAMPS EXCLUDING THE FLARED SIDES, ELEVATORS, AND PLATFORM LIFTS.

THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20 (5%). THE

EXCEPT AT TURNS OR PASSING SPACES, THE CLEAR WIDTH OF WALKING SURFACES SHALL BE 36 INCHES MINIMUM

THE CLEAR WIDTH OF WALKING SURFACES IN CORRIDORS SERVING AN OCCUPANT LOAD OF 10 OR MORE SHALL BE 44 INCHES MINIMUM.

THE CLEAR WIDTH FOR SIDEWALKS AND WALKS SHALL BE 48 INCHES MINIMUM.

THE CLEAR WIDTH FOR AISLES SHALL BE 36 INCHES MINIMUM IF SERVING ELEMENTS ON ONLY ONE SIDE, AND 44 INCHES MINIMUM IF SERVING ELEMENTS ON BOTH SIDES.

DOORS, DOORWAYS AND GATES

DOORS, DOORWAYS, AND GATES PROVIDING USER PASSAGE SHALL BE PROVIDED IN ACCORDANCE WITH 11B-206.5 DOORS, DOORWAYS, AND GATES.

REVOLVING DOORS, REVOLVING GATES, AND TURNSTILES SHALL NOT BE PART OF AN ACCESSIBLE ROUTE.

AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO LEAVES SHALL COMPLY WITH 11B-404.2.3 CLEAR WIDTH AND 11B-404.2.4 MANEUVERING.

DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES MINIMUM. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24 INCHES DEEP SHALL PROVIDE A CLEAR OPENING OF 36 INCHES MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34 INCHES ABOVE THE FINISH FLOOR OR GROUND, PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES AND 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES.

MINIMUM MANEUVERING CLEARANCES AT DOORS AND GATES SHALL COMPLY WITH 11B-404.2.4 MANEUVERING CLEARANCES. MANEUVERING CLEARANCES SHALL EXTEND THE FULL WIDTH OF THE DOORWAY AND THE REQUIRED LATCH SIDE OR HINGE SIDE CLARENCE.

SWINGING DOORS AND GATES SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 11B-404.2.4.1.

DOORWAYS LESS THAN 36 INCHES WIDE WITHOUT DOORS OR GATES, SLIDING DOORS, OR FOLDING DOORS SHALL HAVE MANEUVERING, CLEARANCES COMPLYING WITH TABLE 11B-404.2.4.2.

MANEUVERING CLEARANCES FOR FORWARD APPROACH SHALL BE PROVIDED WHEN ANY OBSTRUCTION WITHIN 18 INCHES OF THE LATCH SIDE AN INTERIOR DOORWAY, OR WITHIN 24 INCHES OF THE LATCH SIDE OF AN EXTERIOR DOORWAY. PROJECTS MORE THAN 8 INCHES BEYOND THE FACE OF THE DOOR. MEASURED PERPENDICULAR TO THE FACE OF THE DOOR AND GATE.

THRESHOLDS, IF PROVIDED AT DOORWAYS, SHALL BE 1/2 INCH HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH 11B-302 FLOOR OR GROUND SURFACES AND 11B-303 CHANGES IN LEVEL.

HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH 11B-309.4 OPERATION. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34 INCHES MINIMUM AND 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES

THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE OTHER THAN FIRE SHALL BE AS FOLLOWS

A.INTERIOR HINGED DOORS AND GATES: 5 POUNDS MAXIMUM.

B. SLIDING OR FOLDING DOORS: 5 POUNDS MAXIMUM.

C. REQUIRED FIRE DOORS: THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. NOT TO EXCEED 15 POUNDS

D. EXTERIOR HINGED DOORS: 5 POUNDS MAXIMUM.

SWINGING DOOR AND GATE SURFACES WITH 10 INCHES OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16 INCH OF THE SAME PLACE AS THE OTHER AND BE FREE OF SHARP OR ABRASIVE EDGES. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED.

CONTROLS AND OPERATING MECHANISMS SHALL COMPLY WITH THE REQUIREMENTS OF **SECTION 11B-309.**

THE HIGHEST AND LOWEST OPERABLE PARTS OF ALL CONTROLS, DISPENSERS, RECEPTACLES, AND OTHER OPERABLE EQUIPMENT SHALL BE PLACED WITHIN 48" OF THE FLOOR BUT NOT LOWER THAN 15" FOR FORWARD APPROACH (OR WITHIN 54" BUT NOT LOWER THAN 9" IF SIDE APPROACHED). ELECTRICAL/ COMMUNICATION SYSTEM RECEPTACLES ON WALLS SHALL BE MOUNTED NO LESS THAN 15" ABOVE FLOOR. SEC. 11B-308.

THE TOPS OF TABLES AND COUNTERS SHALL BE 34" MAXIMUM ABOVE THE FLOOR. SECTION 11B-904. SHOW THE SERVICE COUNTER IS AT LEAST 36" LONG & NO MORE THAN 28" TO 34" HIGH. SEC. 11B-904.

THE FLOOR OR LANDING IS TO BE ≤1/2" LOWER THAN THE DOORWAY THRESHOLD, PER SECTION 11B-404.2.5.

ALL HAND-ACTIVATED DOOR OPENING HARDWARE MEETS THE FOLLOWING REQUIREMENTS, PER SECTION 11B-404.2.7:

a) LATCHING, OR LOCKING, DOORS IN A PATH OF TRAVEL ARE OPERATED WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, BY PANIC BARS, PUSH-PULL ACTIVATING BARS. OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE

b) IS TO BE CENTERED ≥34" BUT ≤44" ABOVE FLOOR.

THE MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS, WITH SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS. SEC. 11B-404.2.9. REVISE NOTE #5 ON DETAIL 5/A6.4, ACCORDINGLY.

THE MIN. STRIKE EDGE DISTANCES ARE PROVIDED AT THE LEVEL AREA ON THE SIDE TO WHICH A GATE SWINGS, SEC. 11B-404.2.4: ON SHT. A2.1, SHOW 18" STRIKE EDGE DISTANCE ON THE PULL SIDE OF GATES #10 & 26. ALSO. DIMENSION 44" LANDING ON THE PUSH SIDE OF GATE #10. FIG. 11B-404.2.4.1(J): a) WHERE A DOOR IS LOCATED IN A RECESS OR ALCOVE WHERE THE DISTANCE FROM

THE FACE OF THE WALL TO THE FACE OF THE DOOR IS GREATER THAN 8", THE ABOVE CLEARANCES SHALL APPLY. SEC. 11B-404.2.4.3. b) ≥24" AT EXTERIOR CONDITIONS.

c) ≥18" AT INTERIOR CONDITIONS

THIS PAGE AS REFERENCE ONLY. 2019 CBC SUPERSEDES

ALL PROPRIETARY PRODUCTS/ SPECIFICATIONS SHALL INCLUDE THE **FOLLOWING "APPROVED EQUAL OR** BETTER" STATEMENT.

EVERY REQUIRED EXIT DOORWAY WHICH IS LOCATED WITHIN ACCESSIBLE PATH OF TRAVEL SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3' IN WIDTH AND NOT LESS THAN 6'-8"

AT EACH ACCESIBLE ENTRANCE TO A BUILDING OR FACILITY, AT LEAST ONE DOOR SHALL COMPLY WITH II B-206.4 AND II B 404

EACH DOOR THAT IS AN ELEMENT OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH II B-206

- 2. HAND-ACTIVATED DOOR OPENING HARDWARE, HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE. HARDWARE SHALL BE CENTERED BETWEEN 30 INCHES (762 MM)AND 44 INCHES (118MM) ABOVE THE FLOOR.LATCHING AND LOCKING DOORS THAT ARE HAND-ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE BY LEVER-TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS, U-SHAPED HANDLES OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE. LOCKED EXIT DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION.
- 3. HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 30" AND 44" ABOVE THE FLOOR.
- 4. WHEN INSTALLED, EXIT DOORS SHALL BE CAPABLE OF OPENING SO THAT THE CLEAR WIDTH OF THE EXIT IS NOT LESS THAN 32".
- 5. THERE SHALL BE A LEVEL AND CLEAR FLOOR OR LANDING ON EACH SIDE OF A DOOR. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60" AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 48" AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN THE CLOSED POSITION 6.
- THE FLOOR OR LANDING SHALL BE NOT MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY, BEVELED.
- 7. THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAME DOORS ARE USED, A 10" HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR. WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
- 8. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 LBF POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS.

WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MINIMUM ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 POUNDS.

SANITARY FACILITIES (GENERAL)

- EXIT PROVIDED PER CODE. CHAPTER 10
- EXIT HARDWARE SHALL BE PER CBC 1008.1.10.
- EXTERIOR HARDWARE PROVIDED FOR FIRE ACCESS.
- SIGN "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED TO BE POSTED OVER MAIN ENTRANCE"

SINGLE ACCOMMODATION SANITARY FACILITIES

- TRASH STORAGE LOCATION. WASTE MATERIAL IN LEAKPROOF AND RODENTPROOF CONTAINER.
- GAS METER TO BE LABELED AND PROTECTION PROVIDED.
- GATES PROVIDED WITH PROPER EXIT HARDWARE IF UTILIZED AS REUIRED EXIT.
- 2. THERE SHALL BE IN THE ROOM, A CLEAR FLOOR SPACE OF AT LEAST 60" IN DIAMETER:, SEE BATHROOM DET.

SANITARY FACILITY FIXTURES & ACCESSORIES

- IIB-601 ACCESSIBLE WATER CLOSETS. WATER CLOSETS REQUIRED TO BE ACCESSIBLE SHALL COMPLY WITH THIS SUBSECTION IIB-604.2:
- I.- THE CENTER LINE OF THE ACCESSIBLE WATER CLOSET SHALL BE 17"(405MM) MINIMUM AND 18"(457MM) MAXIMUM FROM THE SIDE WALL OR PARTITION.

EXCEPTION: THE CENTERLINE OF ACCESSIBLE EATER CLOSETS LOCATED IN AMBULATORY ACCESSIBLE COMPARTMENTS SHALL BE 17" (430MM) MINIMUM AND 19" (485MM) MAXIMUM FROM THE SIDE WALL OR PARTITION.

- I. THE HEIGHT OF ACCESSIBLE WATER CLOSETS SHALL BE A MINIMUM OF 17" AND A MAXIMUM OF 19"
 MEASURED TO THE TOP OF A MAXIMUM 2" HIGH TOILET SEAT, EXCEPT THAT 3" SEATS SHALL BE PERMITTED
 ONLY IN ALTERATIONS WHERE THE EXISTING FIXTURE IS LESS THAN 15" HIGH
- 2. A CLEAR FLOOR SPACE 30" BY 48" SHALL BE PROVIDED IN FRONT OF A LAVATORY TO ALLOW A FORWARD APPROACH. SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE AND SHALL EXTEND A MAX OF 19 IN. INTO KNEE AND TOE SPACE UNDERNEATH THE LAVATORY. A DOOR SWING SHALL NOT ENCROACH INTO THIS CLEAR SPACE.
- 3. LAVATORIES, WHEN LOCATED ADJACENT TO A SIDE WALL OR PARTITION SHALL, BE A MINIMUM DISTANCE OF 18" TO THE CENTER LINE OF THE FIXTURE.
- 4. LAVATORIES THAT ARE DESIGNATED TO BE ACCESSIBLE SHALL BE A MIN 17" IN HORIZONTAL DEPTH AND MOUNTED WITH THE RIM OR COUNTER EDGE NO HIGHER THAN 34" ABOVE THE FINISHED FLOOR AND WITH A VERTICAL CLEARANCE MEASURED FROM THE

BOTTOM OF THE APRON OR OUTSIDE BOTTOM EDGE OF THE LAVATORY OF 29", REDUCING TO 27" AT A POINT LOCATED 8" BACK FROM THE FRONT EDGE. IN ADDITION, A MIN. 9"HIGH TOE CLEARANCE MUST BE PROVIDED EXTENDING BACK TOWARD THE WALL TO A DISTANCE NO MORE THAN 6" FROM THE BACK WALL. THE TOE CLEARANCE SPACE MUST BE FREE OF EQUIPMENT OR OBSTRUCTIONS.

HOT WATER AND DRAIN PIPES UNDER ACCESSIBLE LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED.

THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

WHERE URINALS ARE PROVIDED, AT LEAST ONE SHALL HAVE A CLEAR FLOOR SPACE 30"X48" IN FRONT OF THE URINAL TO ALLOW FORWARD APPROACH.

CONTROLS FOR WATER CLOSET FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS.

AUTOMATIC SPRING TO LIFTED POSITION SEATS ARE NOT ALLOWED.

WATER CLOSET AND URINAL FLUSH VALVE CONTROLS, AND FAUCET AND OPERATING MECHANISM CONTROLS, SHALL BE OPERABLE WITH ONE HAND, SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST, AND SHALL BE MOUNTED NO MORE THAN 44" ABOVE THE FLOOR.

FORCE REQUIRED TO ACTIVATE WATER CLOSET AND URINAL FLUSH VALVE CONTROLS, AND FAUCET AND OPERATING MECHANISM CONTROLS, SHALL BE NO GREATER THAN 5LBF. ELECTRONIC OR AUTOMATIC FLUSHING CONTROLS ARE ACCEPTABLE AND PREFERABLE

SELF CLOSING FAUCET CONTROL VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

MIRRORS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURACE NO HIGHER THAN 40" FROM THE FLOOR.

WHERE TOWEL, SANITARY NAPKINS, WASTE RECEPTACLES, DISPENSERS OR OTHER EQUIPMENT AND CONTROLS ARE POVIDED, SHOW AT LEAST ONE OF EACH TYPE SHALL BE LOCATED ON AN ACCESSIBLE ROUTE, WITH ALL OPERABLE PARTS, INCLUDING COIN SLOTS, WITHIN 40 IN. FROM TEH FINISHED FLOOR

Toilet tissue dispensers shall be located on the wall within 7" TO 9" of the front edge of the toilet seat, to the center of dispenser, mounted below the grab bar at a min. Height of 19", and 36" max. To the far edge from the rear wall. Dispensers that control delivery or that do not permit continuous paper flow shall not be used. Toilet room floors shall have a smooth, hard, non-absorbent surface sudch as Portland cement, concrete, ceramic tile or other approvd material which extends upward onto the walls at lest 5". Walls within water closet compartments and walls within 24" of the front and sides of urinals shall be similarly finished to a height of 48" and, except for struct ural elements, the materials used in such walls shall be a type which is not adversely affected by moisture.

FLOORS AND WALL BASE FINISH MATERIALS. IN OTHER THAN DWELLING UNITS, TOILET, BATHING AND SHOWER ROOM FLOOR FINISH MATERIALS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE. THE INTERSECTIONS OF SUCH FLOORS WITH WALLS SHALL HAVE A SMOOTH, HARD, NONABSORBENT VERTICAL BASE THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 4 INCHES (102 MM).

WALLS AND PARTITIONS. WALLS AND PARTITIONS WITHIN 2 FEET (610 MM) OF URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE, TO A HEIGHT OF 4 FEET (1219 MM) ABOVE THE FLOOR, AND EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIALS USED IN SUCH WALLS SHALL BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE.

EXCEPTIONS:

1. DWELLING UNITS AND SLEEPING UNITS.

2. TOILET ROOMS THAT ARE NOT ACCESSIBLE TO THE PUBLIC AND

WHICH HAVE NOT MORE THAN ONE WATER CLOSET.

FOR THE MATERIAL OF THE GRAB BAR OR SEAT.

ACCESSORIES SUCH AS GRAB BARS, TOWEL BARS, PAPER DISPENSERS AND SOAP DISHES, PROVIDED ON OR WITHIN WALLS, SHALL BE INSTALLED AND SEALED TO PROTECT STRUCTURAL ELEMENTS FROM MOISTURE.

SIDE GRAB BARS SHALL BE 42"LONG MIN. LOCATED 12"MAX FROM THE REAR WALL AND EXTEND 54" MIN FROM THE REAR WALL. THE FRONT END SHALL BE POSITIONED 24" MIN IN FRONT OF THE WATER CLOSET AND SHALL BE SECURELY ATTACHED AND CENTERED 33" ABOVE AND PARALLEL TO THE FLOOR.

THE REAR GRAB BARS SHALL BE 36" LONG MIN. AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12" MIN. ON ONE SIDE AND 24" MIN ON THE OTHER SIDE. THE REAR GRAB BAR SHALL BE SECURELY ATTACHED AND CENTERED 33" ABOVE AND PARALLEL TO THE FLOOR, EXCEPT THAT WHERE A TANK TYPE TOILET IS USED WHICH OBSTRUCTS PLACEMENT AT 33", THE REAR BAR (ONLY) MAY BE AS HIGH AS 36", WITH 1-1/2" MIN BETWEEN THE BAR AND TOP OF TANK.

THE STRUCTURAL STRENGTH OF GRAB BARS, TUB AND SHOWER SEATS, FASTENERS AND MOUNTING DEVICES SHALL MEET THE FOLLOWING SPECIFICATIONS (ADA 4.26):

A. BENDING STRESS IN A GRAB BAR OR SEAT INDUCED BY THE MAX. BENDING MOMENT FROM THE APPLICATION OF A 250 LB PINT LOAD SHALL BE LESS THAN THE ALLOWABLE STRESS

B. SHEAR STRESS INDUCED IN A GRAB BAR OR SEAT BY THE APPLICATION OF A 250 LB POINT LOAD SHALL BE LESS THAN THE ALLOWABLE SHEAR STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT, AND ITS MOUNTING BRACKET OR OTHER SUPPORT IS CONSIDERED TO BE FULLY RESTRAINED, THEN DIRECT AND TORSIONAL SHEAR STRESSES SHALL NOT EXCEED THE ALLOWABLE SHEAR STRESS

C. Shear force induced in fastener or mounting devices from the application of a 250 LB point load shall be less than the allowable lateral load of either the fastener or mounting device or the supporting structure, whichever has the smaller allowable load.

D. TENSILE FORCE INDUCED IN A FASTENER BY A DIRECT TENSION FORCE OF A 250 LB POINT LOAD, PLUS THE MAX. MOMENT FROM THE APPLICATION OF A 250 LB POINT LOAD, SHALL BE LESS THANT THE ALLOWABLE WITHDRAWAL LOAD BETWEEN THE FASTENER AND SUPPORTING STRUCTURE.

E. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS

THE GRAB BAR AND ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MIN. RADIUS OF 1/8".

TOILET AND BATHING ROOM CLEARANCES

WHERE TOILET FACILITIES AND BATHING FACILITIES ARE PROVIDED, THEY SHALL COMPLY WITH 11B-213 TOILET FACILITIES AND BATHING FACILITIES. WHERE TOILET FACILITIES AND BATHING FACILITIES ARE PROVIDED IN FACILITIES PERMITTED BY 11B206.2.3 MULTI-STORY BUILDING AND FACILITIES EXCEPTIONS 1 AND 2 NOT TO CONNECT STORIES BY AN ACCESSIBLE ROUTE, TOILET CONNECT STORIES BY AN ACCESSIBLE ROUTE, TOILET FACILITIES SHALL BE PROVIDED ON A STORY CONNECTED BY AN ACCESSIBLE ROUTE TO AN ACCESSIBLE ENTRANCE.

WHERE SEPARATE TOILET FACILITIES ARE PROVIDED FOR THE EXCUSIVE USE OF SEPARATE USER GROUPS, THE TOILET FACILITIES SERVING EACH USER GROUP SHALL COMPLY WITH 11B-603 TOILET AND BATHING ROOMS

WHERE TOILET ROOMS ARE PROVIDED, EAHC TOILET ROOM SHALL COMPLY WITH 11B-603 TOILET AND BATHING ROOMS. WHERE BATHING ROOMS ARE PROVIDED, EACH BATHING ROOM SHALL COMPLY WITH 11B-603 TOILET AND BATHING ROOMS.

UNISEX TOILET ROOMS SHALL CONTAIN NOT MORE THAN ONE LAVATORY, AND NOT MORE THAN TWO WATER CLOSETS WITHOUT URINALS OR ONE WATER CLOSET AND ONE URINAL. UNISEX BATHING ROOMS SHALL CONTAIN ONE SHOWER OR ONE SHOWER AND ONE BATHTUB, ONE LAVATORY AND ONE WATER CLOSET, DOORS TO UNISEX TOILET ROOMS AND UNISEX BATHING ROOMS SHALL HAVE PRIVACY LATCHES.

DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE.
OTHER THAN THE DOOR TO THE ACCESSIBLE WATER CLOSET COMPARTMENT, A DOOR IN ANY POSITION, MAY
ENCROACH INTO THE TURNING SPACE BY 12 INCHES MAXIMUM.

AT SINGLE USER TOILET OR BATHING ROOMS, DOORS SHALL BE PERMITTED TO SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE ONLY IF A 30 INCH BY 48 INCH MINIMUM CLEAR FLOOR SPACE IS PROVIDED WITHIN THE ROOM BEYOND THE ARC OF THE DOOR SWING.

MIRRORS LOCATED ABOVE THE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITHIN THE BOTTOM EDGE OF THE REFLECTION SURFACE 40 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FINISH FLOOR. MEDICINE CABINETS SHALL BE LOCATED WITH A USABLE SHELF NO HIGHER THAN 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR

COAT HOOKS SHALL BE LOCATED WITH ONE OF THE REACH RANGERS SPECIFIED IN SECTION 11B-308. SHELVES SHALL BE LOCATED 40 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FINISH FLOOR. MEDICINE CABINETS SHALL BE LOCATED WITH A USABLE SHELF NO HIGHER THAN 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR.

GENERAL SITE AND BUILDING ELEMENTS PARKING SPACES

WHERE PARKING SPACES ARE PROVIDED, ACCESSIBLE PARKING SPACES SHALL BE PROVIDED IN NUMBER AND KIND REQUIRED PER SECTION 11B-208 PARKING SPACES.

PROVIDE (____) ACCESSIBLE PARKING SPACES AS REQUIRED BY TABLE

PROVIDE ACCESSIBLE SPACES FOR EACH PARKING FACILITY (PARKING LOTS AND PARKING STRUCTURES). THE NUMBER OF PARKING SPACES REQUIRED TO BE ACCESSIBLE IS TO BE CALCULATE SEPARATELY FOR EACH PARKING SPACES REQUIRED TO BE ACCESSIBLE IS TO BE CALCULATED SEPARATELY FOR EACH PARKING FACILITY; THE REQUIRED NUMBER IS NOT BASED ON THE TOTAL NUMBER OF PARKING SPACES PROVIDED IN ALL OF THE PARKING FACILITIES PROVIDED ON SITE.

ONE IN EVERY SIX OR FRACTION OF SIX PARKING SPACES REQUIRED BY SECTION 11B-208.2 MINIMUM NUMBER, BUT NOT LESS THAN ONE, SHALL BE SERVED BY AN ACCESS AISLE 96 INCHES WIDE MINIMUM PLACED ON THE SIDE OPPOSITE THE DRIVER'S SIDE WHEN THE VEHICLE IS GOING FORWARD INTO THE PARKING SPACE AND SHALL BE DESIGNATED "VAN ACCESSIBLE". ALL SUCH SPACES MAY BE GROUPED ON ONE LEVEL OF A PARKING STRUCTURE.

ACCESSIBLE PARKING SPACES COMPLYING WITH SECTION 11B-502. PARKING SPACES SERVING A PARTICULAR BUILDING OR FACILITY SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE OF TRAVEL FROM ADJACENT PARKING AN ACCESSIBLE ENTRANCE (AS NEAR AS PRACTICAL TO AN ACCESSIBLE ENTRANCE).

IN BUILDINGS WITH MULTIPLE ACCESSIBLE ENTRANCES WITH ADJACENT PARKING, ACCESSIBLE PARKING SPACES COMPLYING WITH SECTION 11B-502 PARKING SPACES SHALL BE DISPERSED AND LOCATED CLOSEST TO THE ACCESSIBLE ENTRANCES.

IN PARKING FACILITIES THAT DO NOT SERVE A PARTICULAR BUILDING OR FACILITY, ACCESSIBLE PARKING SPACES COMPLYING WITH SECTION 11B-502 PARKING SPACES SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE OF TRAVEL TO AN ACCESSIBLE PEDESTRIAN ENTRANCE OF THE PARKING FACILITY.

DIMENSION MINIMUM 18 FOOT LONG CAR AND VAN ACCESSIBLE PARKING SPACE(S) AND ACCESS AISLE(S).

DIMENSION MINIMUM 9 FOOT WIDTH AT ACCESSIBLE CAR PARKING SPACE.

DIMENSION MINIMUM 12 FOOT WIDE ACCESSIBLE VAN PARKING SPACE WITH MINIMUM 5 FOOT WIDE ACCESS AISLE. VAN PARKING SPACES SHALL BE PERMITTED TO BE MINIMUM 9 FEET WIDE WHERE ACCESS AISLE IS 8 FOOT WIDE MINIMUM.

CAR AND VAN STALL ACCESS AISLE SHALL BE 5 FOOT WIDE MINIMUM AND SHALL ADJOIN AN ACCESSIBLE ROUTE. TWO PARKING SPACES SHALL BE PERMITTED TO SHARE A COMMON ACCESS AISLE.

ACCESS AISLES SHALL BE MARKED WITH A BLUE PAINTED BORDERLINE AROUND THEIR PERIMETER. THE AREA WITHIN THE BLUE BORDERLINES SHALL BE MARKED WITH HATCHED LINES A MAXIMUM OF 36 INCHES ON CENTER IN A COLOR CONTRASTING WITH THAT OF THE AISLE SURFACE, PREFERABLY PAINTED ON THE SURFACE, PREFERABLY BLUE OR WHITE. THE WORDS "NO PARKING" SHALL BE PAINTED ON THE SURFACE WITHIN EACH ACCESS AISLE IN WHERE LETTERS A MINIMUM OF 12 INCHES IN HEIGHT AND LOCATED TO BE VISIBLE FROM THE ADJACENT VEHICULAR WAY. ACCESS AISLE MARKINGS MAY EXTEND BEYOND THE MINIMUM REQUIRED LENGTH.

ACCESS AISLES SHALL NOT OVERLAP THE VEHICULAR WAY. ACCESS AISLES SHALL BE PERMITTED TO BE PLACED ON EITHER SIDE OF THE PARKING SPACE EXCEPT FOR VAN PARKING SPACES WHICH SHALL HAVE ACCESS AISLES LOCATED ON THE PASSENGER SIDE OF THE PARKING SPACES

CLEARLY SHOW MINIMUM VERTICAL CREDENCE OF 8 FEET 2 INCHES AT ACCESSIBLE PARKING SPACES AND ALONG AT LEAST ONE VEHICLE ACCESS ROUTE TO SUCH SPACES FROM SITE ENTRANCES AND EXITS

PARKING SPACE IDENTIFICATION SIGN SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH SECTION 11B-703.7.2.1 INTERNATIONAL SYMBOL OF ACCESSIBILITY.

SIGNS IDENTIFYING VAN PARKING SPACES SHALL CONTAIN ADDITIONAL LANGUAGE OR ADDITIONAL SIGN WITH THE DESIGNATION "VAN ACCESSIBLE." SIGNS SHALL BE 60 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN.

PARKING IDENTIFICATION SIGNS SHALL BE REFECTORIES WITH A MINIMUM AREA OF 70 SQUARE INCHES.

ADDITIONAL LANGUAGE OR AN ADDITIONAL SIGN BELLOW THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL STATE "MINIMUM FINE \$250."

A PARKING SPACE IDENTIFICATION SIGN SHALL BE VISIBLE FROM EACH PARKING SPACE. SIGNS SHALL BE PERMANENTLY POSTED EITHER IMMEDIATELY ADJACENT TO THE PARKING SPACE OR WITHIN THE PROJECTED PARKING SPACE WIDTH AT THE HEAD END OF THE PARKING SPACE. SIGNS MAY ALSO BE PERMITTED POSTED ON A WALL AT THE INTERIOR END OF THE PARKING SPACE.

EACH ACCESSIBLE CAR AND VAN SPACE SHALL HAVE SURFACE IDENTIFICATION COMPLYING WITH EITHER OF THE FOLLOWING SCHEMES.

A.THE PARKING SPACE SHALL BE MARKED WITH AN INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH SECTION 11B-703.7.2.1 INTERNATIONAL SYMBOL OF ACCESSIBILITY IN WHITE ON A BLUE BACKGROUND A MINIMUM 36 INCHES WIDE BY 36 INCHES HIGH. THE CENTERLINE OF THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE A MAXIMUM OF 8 INCHES FROM THE CENTERLINE OF THE PARKING SPACE, ITS SIDES PARALLEL TO THE LENGTH OF THE PARKING SPACE AND ITS LOWER CORNER AT, OR LOWER SIDE ALIGNED WITH, THE END OF THE PARKING SPACE LENGTH

B. THE PARKING SPACE SHALL BE OUTLINED OR PAINTED BLUE AND SHALL BE MARKED WITH AN INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH SECTION 11B-703.7.2.1 INTERNATIONAL SYMBOL OF ACCESSIBILITY A MINIMUM 36 INCHES WIDE BY 36 INCHES HIGH IN WHITE OR A SUITABLE CONTRASTING COLORS. THE CENTERLINE OF THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE A MAXIMUM OF 6 INCHES FROM THE CENTERLINE OF THE PARKING SPACE, ITS SIDES PARALLEL TO THE LENGTH OF THIS LOWER SIDE ALIGNED WITH, THE END OF THE PARKING SPACE.

AN ADDITIONAL SIGN SHALL BE POSTED EITHER, 1) IN A CONSPICIOUS PLACE AT EACH ENTRANCE TO AN OFF-STREET PARKING FACILITY OR 2) IMMEDIATELY ADJACENT TO ON-SITE ACCESSIBLE PARKING AND VISIPLE FROM EACH PARKING SPACE

C. THE ADDITIONAL SIGH SHALL NOT BE LESS THAN 17 INCHES WIDE BY 22 INCHES HIGH.

D. THE ADDITIONAL SIGN SHALL CLEARLY STATE IN LETTERS WITH A MINIMUM HEIGHT OF 1 INCH THE FOLLOWING:

"UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR SPECIAL LICENCE PLATES ISSUED FOR PERSONS WITH DISABILITIES WITH THE TOWED AWAY AT THE OWNER'S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT _____ OR BY TELEPHONING

BLANK SPACES SHALL BE FILLED IN WITH APPROPRIATE INFORMATION AS A PERMANENT PART OF THE SIGN

(TOWING COMPANY'S NAME AND TELEPHONE NOS. "MUST BE PROVIDED ON SIGN)

RELATIONSHIP TO ACCESSIBLE ROUTES

PARKING SPACES AND ACCESS AISLES SHALL BE DESIGNED SO THAT PERSONS USING THEM ARE NOT REQUIRED TO TRAVEL BEHIND PARKING SPACES OTHER THAN THE PASS BEHIND THE PARKING SPACE IN WHICH THEY PARKED.

A CURB OR WHEEL STOP SHALL BE PROVIDED IF REQUIRED TO REVENT ENCROACHMENT OF VEHICLES OVER THE REQUIRED CLEAR WIDTH OF ADJACENT ACCESSIBLE ROUTES.

WHERE TOWEL OR SANITARY NAPKIN DISPENSERS, WASTE RECEPTACLES, OR OTHER ACCESSORIES ARE PROVIDED IN TOILET FACILITIES, AT LEAST ONE OF EACH TYPE SHALL BE LOCATED ON AN ACCESSIBLE ROUTE. ALL OPERABLE PARTS, INCLUDING COIN SLOTS, SHALL BE 40 INCHES MAXIMUM ABOVE THE FINISH FLOOR

APPLICATION AND ADMINISTRATION

WHEN ALTERATIONS OR ADDITIONS ARE MADE TO EXISTING BUILDINGS OF FACILITIES, AM ACCESSIBLE PATH OF TRAVEL TO THE SPECIFIC AREA OF ALTERATION OR ADDITION SHALL BE PROVIDED UNLESS OTHERWISE EXEMPT

PRIMARY ACCESSIBLE PATH OF TRAVEL SHALL INCLUDE A PRIMARY ENTRANCE TO THE BUILDING OR FACILITY; TOILET AND BATHING FACILITIES SERVING THE AREA; DRINKING FOUNTAINS SERVING THE AREA; PUBLIC TELEPHONES SERVING THE AREA, AND SIGNS.

WHEN THE ADJUSTED CONSTRUCTION COST IS LESS THAN OR EQUAL TO THE CURRENT VALUATION THRESHOLD. THE COST OF COMPLIANCE WITH THE PRIMARY ACCESSIBLE PATH OF TRAVEL REQUIREMENTS IS LIMITED TO 20 PERCENT OF THE ADJUSTED CONSTRUCTION COST OF ALTERATIONS; STRUCTURAL REPAIRS OR ADDITIONS PRESENTLY PLANNED AND THOSE DURING THE PRECEDING THREE-YEAR PERIOD.

ADJUSTED CONSTRUCTION COST OF ALTERATIONS, STRUCTURAL REPAIRS OR ADDITIONS DOES NOT INCLUDE THE COST OF ALTERATIONS TO PATH OF TRAVEL ELEMENTS

IN CHOOSING WHICH ACCESSIBLE ELEMENTS TO PROVIDE PRIORITY SHOULD BE GIVEN TO THOSE ELEMENTS THAT WILL PROVIDE THE GREATEST ACCESS IN THE FOLLOWING ORDER; (1) AN ACCESSIBLE ENTRANCE; (2) AN ACCESSIBLE ROUTE TO THE ALTERED AREA; (3) AT LEAST ONE ACCESSIBLE RESTROOM FOR EACH SEX;(4) ACCESSIBLE TELEPHONES;(5) ACCESSIBLE DRINKING FOUNDATIONS; AND (6) WHEN POSSIBLE, ADDITIONAL ACCESSIBLE ELEMENTS SUCH AS PARKING, STORAGE AND ALARMS

NOTE ON PLAN: PUBLIC ACCOMMODATIONS SHALL MAINTAIN IN OPERABLE WORKING CONDITION THOSE FEATURES OF FACILITIES AND EQUIPMENT THAT ARE REQUIRED TO BE ACCESSIBLE TO AND USEABLE BY PERSONS WITH DISABILITIES. ISOLATED OR TEMPORARY INTERRUPTIONS IN SERVICE OR ACCESSIBILITY DUE TO MAINTENANCE OR REPAIRS SHALL BE PERMITTED.

NOTE ON PLAN: PUBLIC ACCOMMODATIONS SHALL MAINTAIN IN OPERABLE WORKING CONDITION THOSE FEATURES OF FACILITIES AND EQUIPMENT THAT ARE REQUIRED TO BE ACCESSIBLE TO AND USEABLE BY PERSONS WITH DISABILITIES. ISOLATED OR TEMPORARY INTERRUPTIONS IN SERVICE OR ACCESSIBILITY DUE TO MAINTENANCE OR REPAIRS SHALL BE PERMITTED.

SIGNS

INTERIOR AND EXTERIOR SIGNS IDENTIFYING PERMANENT ROOMS AND SPACES SHALL COMPLY WITH 11B-703.1 GENERAL, 11B-703.5 VISUAL CHARACTERS. WHERE PICTOGRAMS ARE PROVIDED AS DESIGNATIONS OF THE PERMANENT INTERIOR ROOMS AND SPACES, THE PICTOGRAMS SHALL COMPLY WITH 11B-703.6 PIRCOGRAMS AND SHALL HAVE TEXT DESCRIPTORS COMPLYING WITH 11B-703.2 AND 11B-703.5.

SIGNS THAT PROVIDE DIRECTION TO OR INFORMATION ABOUT INTERIOR AND EXTERIOR SPACES AND FACILITIES OF THE SITE SHALL COMPLY WITH 11B-703.5.

THIS PAGE AS REFERENCE ONLY. 2019 CBC SUPERSEDES.

ALL PROPRIETARY PRODUCTS/
SPECIFICATIONS SHALL INCLUDE THE
FOLLOWING "APPROVED EQUAL OR
BETTER" STATEMENT.

REVISIONS

11/18/22 PLAN CHECK 1





BEHAVIORAL HEALTH CLINIC REMODEL & RE-ROOFING N. 8th. STREET, EL CENTRO, CA 92

D.A. GENERAL NOTE

SEE PLAN

B.M./ L.W.

JOB# YP22005 SHEET#

Code Program Committee 1-3: Structural Observation

STRUCTURAL OBSERVATION PROGRAM AND DESIGNATION OF THE STRUCTURAL OBSERVER

PROJECT ADDRESS: 120 N. 8th. STREET, EL CENTRO, CA 92243 PERMITAPPL. NO.:

)wner:	Architect:	Engineer: _	S.YLEE
		L OBSERVATION items are required)	
Firm or Individual to be resp Name: LEE&LEE STRUCTURAL ENGINE			gistration: S-38
FOUNDATION	WALL	FRAME	DIAPHRAGM
Footing, Stem Walls, Piers	□ Concrete	☐ Steel Moment Frame	☐ Concrete
□ Mat Foundation	□ Masonry	☐ Steel Braced Frame	Steel Deck
□ Coisson, Piles, Grode Beams	₩ wood	□ Concrete Moment Frame	₩ wood
□ Stepp'g/ Retoin'g Foundation, Hillside Special Anchors	□ Others:	□ Masonry Wall Frame	□ Others:
Others:		M Others:	

DECLARATION BY OWNER I, the Owner of the project, declare that the above listed firm or individual is hired by me to be the Structural Observer.

DECLARATION BY ARCHITECT OR ENGINEER OF RECORD(required if the Structural Observer is different from the Architect or Engineer of Record) I, the Architect or Engineer of record for the project, declare that the above listed firm or individual is designated by me to be responsible for the Structural Observation.

Signature License No.

WOOD FRAMES

ALL LUMBER TO BE STRESS GRADE, DOUGLAS FIR LARCH(DF), AS SHOWN BELOW PLANS PER NDS 2018 UNLESS OTHER WISE INDICATE ON

A. JOISTS AND RAFTER DF #2 GRADE DF #1 GRADE B. 2"-4" BEAM DF #2 GRADE FOR HEADER C. 5"x5" LARGER BEAM! DF #1 GRADE DF #2 GRADE E. POST AND COLUMN : DF #1 GRADE

2. MOISTURE CONTENT IN USE WILL BE A MAXIMUM OF 19%. 3. DOUBLE JOISTS UNDER ALL PARALLEL PARTITIONS, UNLESS OTHERWISE NOTED, AND ALSO NAILED TOGETHER WITH 16d NAILS @9" O.C.

4- UNLESS OTHERWISE NOTED ALL NAILING SHALL CONFORM TO THE NAILING SCHEDULE REQUIRED BY THE LOCAL DEPARTMENT OF THE BUILDING AND SAFETY. 5. CROSS BRIDGE FLOOR JOISTS AT 8'-0" MAX'MUM INTERVALS, MORE THAN 8" DEEP.

6- UNLESS OTHERVISE INDICATED, RAFTERS AND JOIST SHALL BE SPLICED AT SUPPORTS WITH A MINIMUM OF 4" OF LAP AND 4-16d NAILS

7. TOP PLATE OF ALL STUD WALLS SHALL BE 2 PIECES OF 2x4 PLATES. SPLICES TO LAP 4'-0" MINIMUM AND BE NAILED WITH 12-16d NAILS MINIMUM EACH SIDE OF JOINT

8. PROVIDE SOLID 2x BLOCKING BETWEEN JOISTS AND RAFTERS AT ALL SUPPORTS. BLOCKING SHALL BE ONE PIECE AND THE FULL DEPTH OF THE JOIST OR RAFTER. 9. USE 1x6 LET IN BRACE @25'-0" O.C. MINIMUM COVER 4 STUDS.

10- ALL BOLTS SHALL BE RE-TIGHTENED PRIOR TO THE APPLICATION OF SHEATHING, PLASTER 11. EACH SHEET OF PLYWOOD SHALL BE IDENTIFIED BY A REGISTERED STAMP OR BRAND OF THE

DOUGLAS FIR PLYWOOD ASSOCIATION. 12. WOOD STRUCTURAL PANELS SHALL COMPLY WITH U.S. PRODUCT STANDARDS FOR ITS TYPE IN PS 1 OR PS 2 AND BE CLASSIFIED AS EXPOSURE 1. AS A MINIMUM ALL WDOD STRUCTURAL PANELS SHALL BE APA RATED SHEATHING UNLESS NOTED OTHERWISE ON PLANS AND DETAILS. ALL WOOD BEARING ON CONCRETE OR MASONRY SHALL BE PRESSURE TREATED DOUGLAS FIR.

14- STRIJCTURAL MEMBERS SHALL NOT BE CUT FOR PIPES, ETC. UNLESS SPECIFICALLY DETAILED. 15. SHEATHING AND SHEAR WALLS SHALL BE INSPECTED AND APPROVED PRIOR TO COVERING. 16- BORED HOLES SHALL NOT BE LOCATED AT THE SAME SECTION OF STUD AS A CUT OR NOTCH, 17 HOLD-DOWN CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE APPROVED PLATE WASHERS; AND HOLD-DOWN SHALL BE FINGER TIGHT AND 1/2 WRENCH TURN JUST PRIOR TO COVIERING THE

WAIL FRAMING. CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE STEEL PLATE WASHERS ON THE POST ON THE OPPOSITE SIDE OF THE ANCHORAGE DEVICE. PLATE SIZE SHALL BE A MINIMUM OF 0.299 INCH BY 3 INCHES BY 3 INCHES. 18- ROOF DIAPHRAGIA NAILING TO BE INSPECTED BEFORE COVERING. FACE GRAIN OF PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS, FLOOR SHALL HAVE TONGUE AND GROOVE OR

19. ALL DIAPHRAGM AND SHEAR WALL NAILING SHALL UTILIZE COMMON NAILS OR GALVANIZED BOX. 20. BOLT HOLES IN WOOD SHALL BE 1/32" TO 1/16" LARGER THAN THE NOMINAL BOLT DIAMETER. ALL BOLTS SHALL HAVE STANDARD CUT WASHER UNDER HEAD AND NUT UNLESS OTHERWISE

21. HOLD-DOWN HARDWARE MUST BE SECURED IN PLACE TO FOUNDATION INSPECTION. 22. FASTENERS IN PRESERVATIVE TREATED WOOD OR FIRE RETARDANT TREATED WOOD SHALL BE

STATEMENT OF SPECIAL INSPECTIONS

OF HOT DIPPED ZINC COATED GALVANIZED STEEL OR STAINLESS STEEL.

BLOCKED PANEL EDGES.

1. CONTRACTORS RESPONSIBLE FOR THE CONSTRUCTION OF A WIND OR SEISMIC FORCE RESISTING SYSTEM/COMPONENT LISTED IN THE "STATEMENT OF SPECIAL INSPECTIONS" SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE DBS INSPECTORS AND OWNER PRIOR TO THE COMMENCEMENT OF WORK ON SUCH SYSTEM OR COMPONENT PER SEC. 1706.1

2. CONTINUOUS SPECIAL INSPECTION BY A REGISTERED DIPUTY INSPECTOR IS REQUIRED FOR FIELD WELDING, CONCRETE STRENGTH f'c > 2500 psi, HIGH STRENGTH BOLTING, SPRAYED-ON FIREPROOFING, ENGINEERED MASONRY, HIGH-LIFT GROUTING, PRE-STRESSED CONCRETE, HIGH LOAD DIAPHRAGMS AND SPECIAL MOMENT-RESISTING CONCRETE FRAMES. (1704 & CHAPTERS 19, 21, AND 22)

FOUNDATION SILLS SHALL BE NATURALLY DURABLE OR PRESERVATIVE—TREATED WOOD.

4. WELDING " FIELD WELDING TO BE DONE BY WEI.DERS CERTIFIED BY THE DBS FOR (STRUCTURAL STEEL) (REINFORCING STEEL) (LIGHT GAUGE STEEL). CONTINUOUS INSPECTION BY DEPUTY INSPECTOR IS

 CONTINUOUS INSPECTION IS REQUIRED IN ACCORDANCE WITH TABLE 1704.3. PERIODIC SPECIAL INSPECTION IS REQUIRED IN ACCORDANCE WITH SECTION 1704.3 AND

- SHOP WELDS MUST BE PERFORMED IN A DBS LICENSED FABRICATOR'S SHOP.

DBS LICENSED FABRICATOR IS REQUIRED FOR (TRUSSES), (STRUCTURAL STEEL). 6 GLULAM BEAMS MUST BE FABRICATED IN THE DBS LICENSED SHOP. IDENTIFY GRADE SYMBOL. AND LAMINATION SPECIES PER T 5-A, 2018 NDS SUPP.

7. PROVIDE LEAD HOLE 40% - 70% OF THREADED SHANK DIA, AND FULL DIA. FOR SMOOTH

SHANK PORTION. 2018 NDS 8. PERIODIC SPECIAL INSPECTION IS REQUIRED FOR WOOD SHEAR WALLS, SHEAR PANELS, AND DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORING, AND OTHER FASTENING TO COMPONENTS OF THE SEISMIC FORCE RESISTING SYSTEM. SPECIAL INSPECTION SHEATHING IS 4 INCHES ON CENTER OR LESS. (1707.3)

9 CONTROLLED ACTIVITY INSPECTION IS REQUIRED FOR (BUILDINGS OVER 5 STORIES) (BUILDINGS OVER 50,000 SF FT OF GROUND FLOOR AREA) (BUILDINGS OVER 200,000SF FT. OF FLOOR

10. THE SPECIAL INSPECTOR MUST BE CERTIFIED BY THE DBS, DEVELOPMENT SERVICES, IN THE CATEGORY OF WORK REQUIRED TO HAVE SPECIAL INSPECTION.

11. A COPY OF THE RESEARCH REPORT AND/OR CONDITIONS OF LISTING SHALL BE MADE AVAILABLE AT THE JOB SITE.

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE CBC 2019.

2. THE FOLLOWING NOTES AND ALL OTHER TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS NOTED OTHERWISE.

3. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS 4. FRAMING CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE FRAMED SIMILAR TO THE DETAILS

SHOWN FOR THE RESPECTIVE MATERIALS. 5 PROVIDE OPENINGS AND SUPPORTS FOR MECHANICALS EQUIPMENT, DUCTS, PIPING, VENTS AND ETC., AS REQUIRED. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL OPENINGS AND EQUIPMENT WHICH ARE NOT SHOWN ON STRUCTURAL DRAWINGS. ALL

SUSPENDED EQUIPMENT TO BE PROVIDED WITH APPROVED ALL BRACING CONTRACTOR MUST CLARIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE COMMENCING WORK. ARCHITECT SHALL BE INFORMED AND NOTIFIED ANY TYPE OF DISCREPANCIES.

NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES. DESIGN MATERIALS, EQUIPMENT, AND PRODUCTS OTHER THAN THOSE DESCRIBED BELOW OR INDICATED ON THE DRAWINGS MAY BE CONSIDERED FOR USE. PROVIDED PRIOR TO APPROVAL IS OBTAINED FROM THE OWNER, ARCHITECT/ENGINEER. AND THE APPLICABLE GOVERNING CODE

9. CONTINUOUS INSPECTION BY A EL CENTRO CITY LICENSED DEPUTY INSPECTOR IS REQUIRED FOR ALL STRUCTURAL CONNECTIONS, FOOTINGS, GRADE BEAMS, AND RETAINING WALLS DURING INSTALLATION-

10. DESIGN CRITERIA ROOF LIVE LOADS: 20PSF ROOF DEAD LOAD . 25PSF WIND DESIGN DATA BASIC WIND SPEED : 110 mph WIND IMPORTANCE FACTOR: 1.0 WIND EXPOSURE EACH DIRECTION : B INTERNAL PRESSURE COEFFICIENT : ±D.18 COMPONENTS AND CLADDING EARTHQUAKE DESIGN DATA SEISMIC IMPORTANCE FACTOR (I): 1.0 RISK CATEGORY : II MAPPED SPECTRAL RESPONSE ACCELERATIONS Ss . 1.528g S1: 0.600q SITE CLASS : D SPECTRAL RESPONSE COEFFICIENTS SDS: 1.222g SD1 1.000q SEISMIC DESIGN CATEGORY : [

SEISMIC FORCE RESISTING SYSTEM LIGHT-FRAMED WALL SHEATHED WITH WOOD STRUCTURAL PANEL: R=6.5 CANTILEVER COLUMN . R=2.5 EQUIVALENT LATERAL FORCE PROCEDURE

REDUNDANCY FACTOR USED: 1.3

FOUNDATIONS

1500 psf. (NATURAL F'RM SOIL.)

1. ALLOWABLE FOUNDATION PRESSURE USED IN THE DEVELOPMENT AND DESIGN OF STRUCTURE IS

2. FOUNDATION SHALL BE THE SIZE AND TYPE AS INDICATED ON THE DRAWINGS. ALL EXCAVATIONS ARE TO BE INSPECTED AND APPROVED BY A SOIL ENGINEER PRIOR TO THE PLACEMENT OF ANY FILL OR REINFORCING STEEL.

4. SUB SOIL BELOW SLAB AND FOOTINGS SHALL BE PRESOAKED FOR 47 HOURS AND VERIFIED WITH GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE. CONCRETE CONTRACTOR TO INSURE A TRUE LEVEL FOUNDATION PRIOR TO PLACING CONCRETE.

CONCRETE CONTRACTOR TO VERIFY AND LOCATE ALL DOOR OPENING AND AVOID PLACEMENT OF ANCHOR BOLTS IN THESE LOCATIONS. 7. ALL LUMBER IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.

8. THE CONCRETE CONTRACTOR SHALL BACK FILL ALL RETAINING WALLS. CONCRETE CONTRACTOR TO FURNISH BOLTS, NETTING AND STEEL AS REQUIRED BY THE CONCRETE DETAILS AND DRAWING.

10. IF ADVERSE SOIL CONDITIONS ARE ENCOUNTERED, A SOILS INVESTIGATION REPORT MAY BE REQUIRED .

CONCRETE(CAST-IN-PLACE)

1. CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO ASTM S-150, TYPE II. 2. AGGREGATES SHALL BE NATURAL SAND AND ROCK CONFORMING TO ASTM C-33.

3. DOWELS FOR WALL SHALL BE SAME SIZE AND SPACING AS THE WALL REINFORCEMENT AND SHALL LAP WITH THE WALL REBAR AS NOTES ABOVE UNLESS NOTED OTHERWISE. 4. ANCHOR BOLTS, DOWELS, INSERTS ETC. SHALL BE SECURELY TIED IN PLACE PRIOR TO THE POURING OF ANY CONCRETE OF GROUT.

5. ALL EXCAVATIONS SHALL BE FREE OF LOOSE DIRT, WATER OR DEBRIS PRIOR TO POURING

6. ALL FORMS SHALL BE CONSTRUCTED AS TO MAINTAIN THE REQUIRED POSITION AND SHAPE DURING AND AFTER THE PLACING OF CONCRETE AND BE SUFFICIENTLY TIGHT TO PREVENT THE LEAKAGE OF CONCRETE. NO PIPES OR DUCTS ARE TO BE PLACED IN CONCRETE SLABS OR WALLS UNLESS SPECIFICALLY

8. ALL CONCRETE SHALL CONFORM TO THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE. 9 PNEUMA'TICALLY PLACED CONCRETE SHALL HAVE A-28-DAY STRENGTH OF 3000psi MATERIALS, PROPORTIONING AND APPLICATION, SHALL CONFORM WITH ACI STANDARD 506.2-77. THE CONCRETE SHALL BE PLACED BY A QUALIFIED CONTRACTOR AND UNDER CONTINUOUS INSPECTON BY A REGISTERED DEPUTY BUILDING INSPECTOR.

REINFORCING STEEL

1. ALL REINFORCING SHALL BE A.S.T.M. A-615-60 REGARDLESS OF BAR SIZE, WELDING WIRE FABRIC TO BE A.S.T.M. A-185, LAP 1-1/2 SPACES, 9"MIN. FOR STRUCTURAL SLABS. 2. ALL BARS SHALL BE DEFORMED AS PER A.S.T.M. A-305

3. ALL BARS SHALL BE CLEAN OF LOOSE FLAKY RUST GREASE OR OTHER MATERIALS LIKELY TO

IMPAIR BOND. 4. ALL BENDS SHALL BE MADE COLD.

5. SPLICING OF BARS SHALL HAVE LAPPING OF 40 DIA. OR 2'-0" MIN, IN ALL CONTINUOUS REINFORCEMENT OF FOOTINGS AND CONCRETE WALLS, EXCEPT AS NOTED ON PLANS, MASONRY REINFORCEMENT SHALL HAVE LAPPING OF 40 DIAMETER OF 2' MIN.

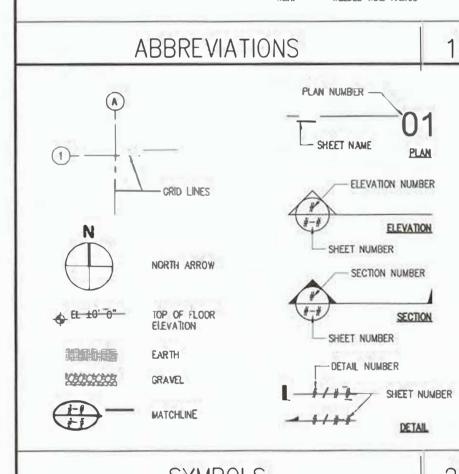
6. ALL REINFORCING BARS SHALL BE ACCURATELY AND SECURELY PLACED BEFORE POURING CONCRETE. 7. CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE BASED ON ACI 318-14 COVER SHALL BE AS:

B. POURED AGAINST FORM BELOW GRADE 2' C. FORMED SLABS """ D · SLABS ON GRADE (FROM TOP TO SLAB) """ 1" E. WALL EXPOSED TO WEATHER 1"

8. WELDING OF REINFORCING STEEL SHALL CONFORM TO AWS D1.4 USING PROPER LOW HYDROGEN 9. ALL FIELD WELDING OF REINFORCING STEEL SHALL BE PERFORMED BY WELDERS SPECIFICALLY CERTIFIED FOR REINFORCING STEEL.

10. MIN. RE-BAR SPACING KEEP 1.5d 11. ALL LONGITUDINAL REINFORCING IN DUCTILE COLUMNS, DUCILLE BEAMS ALL VERTICAL REINFORCING IN SHEAR WALLS, AND ALL REINFORCING MARKED "SDQ" SHALL BE LOW--ALLOY STEEL DEFORMED ASTM A7D6. BILLET STEEL ASTM A615, GRADE 60 REINFORCEMENT MAY BE USED IN THESE MEMBERS IF (1) THE ACTUAL YIELD STRENGTH BASED ON MILL TESTS DOES NOT EXCEED THE SPECIFIED YIELD STRENGTH BY MORE THAN 18,000 PSI. AND (2) THE RATIO OF THE ACTUAL ULTIMATE TENSILE STRENGTH TO THE ACTUAL TENSILE YIELD STRENGTH IS NOT LESS THAN 1. 25. WELDING OF REINFORCING BARS WHERE SHOWN ON DRAVINGS SHALL COMPLY WITH AWS D1 .4 STRUCTURAL WELDING CODE -REINFORCING STEEL. IF MILL REPORTS ARE NOT AVAILABLE, THE REINFORCING SHALL BE TESTED PER THE SPECIFICATIONS AT THE CONTRACTOR'S EXPENSE.

HIGH STRENGTH BOLT HEIGHT INTERNATIONAL CONFERENCE OF ALS.C. AMERICAN INSTITUTE OF STEEL BU'I DING OFFICIALS #ISIDE DIAMETER ASSN* APPROX* ARCH* APPROXIMATELY INFORMATION ARCHETECTURAL INTERIOR A.S.T.M AMERICAN STANDARD FOR TESTING AMERICAN WELDING SOCIETY KIP (1,000 LBS) BETWEEN BRACED FRAME KIPS PER SQUARE INCH BOUNDARY NAILING LAG SCREW UGHT WEIGHT CALIFORNIA BUILDING CODE MID-DEPTH CAST-IN-PLACE CONCRET MATERIAL MAXIMUM MECHANCAL MEMBRANE MANUFACTURER CONSTRUCTION JOINT OR ENTERUNE MUNAMINA CONCRETE MASONRY UNIT MESCELLANEOUS METAL COLUMN NEUTRAL AXIS RUMBER NOT TO SCALE CU.FT. CU.IN. CU.YD* O.C., O/C ON CENTER CUBIC YARD OUTSIDE DIAMETER OUTSIDE FACE OPENING ORIGINAL PLATE OF PROPERTY UNE P.S.I., psi POUNDS PER SQUARE INCH PT' POST—TENSIONING DWG.(S) DRAWING(S) REINFORCE(D) / REINFORCING ROOF RAFTER EXPANSION JOIN SEE ARCHITECTURAL DRAWINGS EMBED* E.N. ENGR* EMGRG EMBEDMENT EDGE NAILING ENGINEER ENGINEERING SLAB-ON GRADE SPECIFICATIONS EACH SIDE STANDARD SCIFFENER EAST WEST SYMMETRICAL TOP AND BOTTOM TONGUE AND GROOVE FINISH GRADE TOP OF SLAB(STEEL) FULL PENETRATION UNIFORM BIVEDING CODE UNLESS NOTED OTHERWISE GRADE BEAM GYP. BD. GYPSUM BOARD TUOITIW HEADER HANGER WATERPROOF MEMBRANE W.W.F WELDED WIRE FABRIC

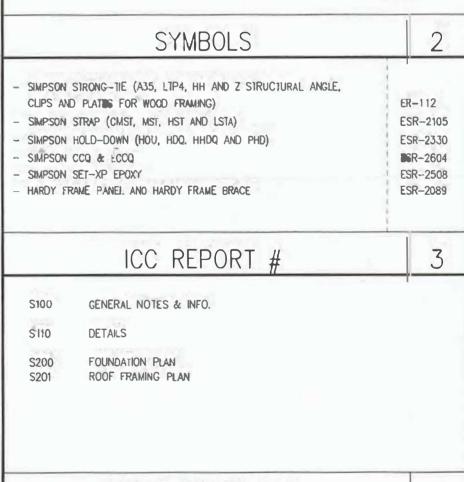


PLAN

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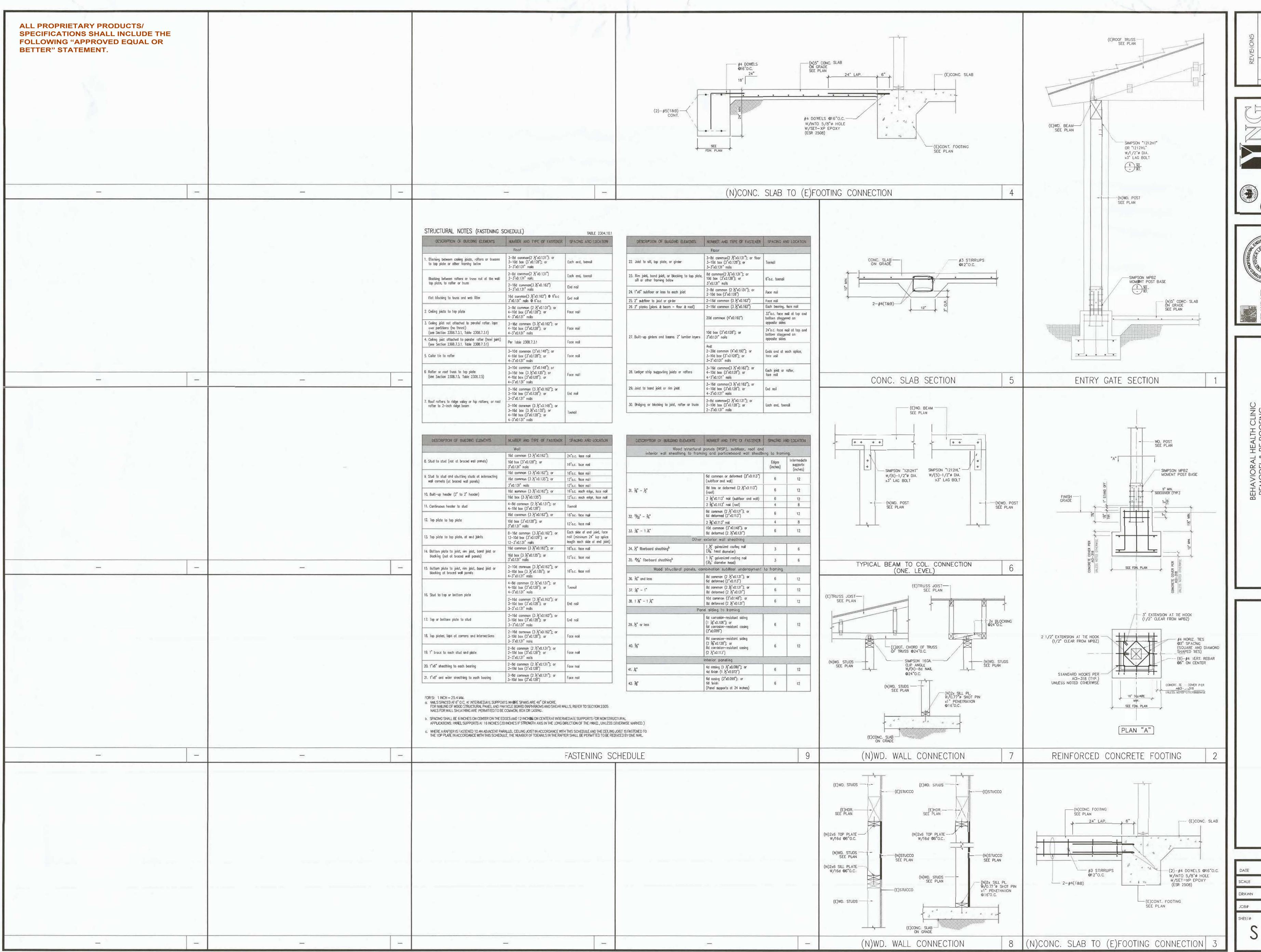
DETAIL



SHEET INDEX INFO.

ALL PROPRIETARY PRODUCTS/ SPECIFICATIONS SHALL INCLUDE THE **FOLLOWING "APPROVED EQUAL OR** BETTER" STATEMENT.

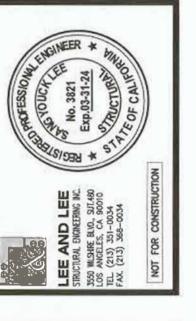
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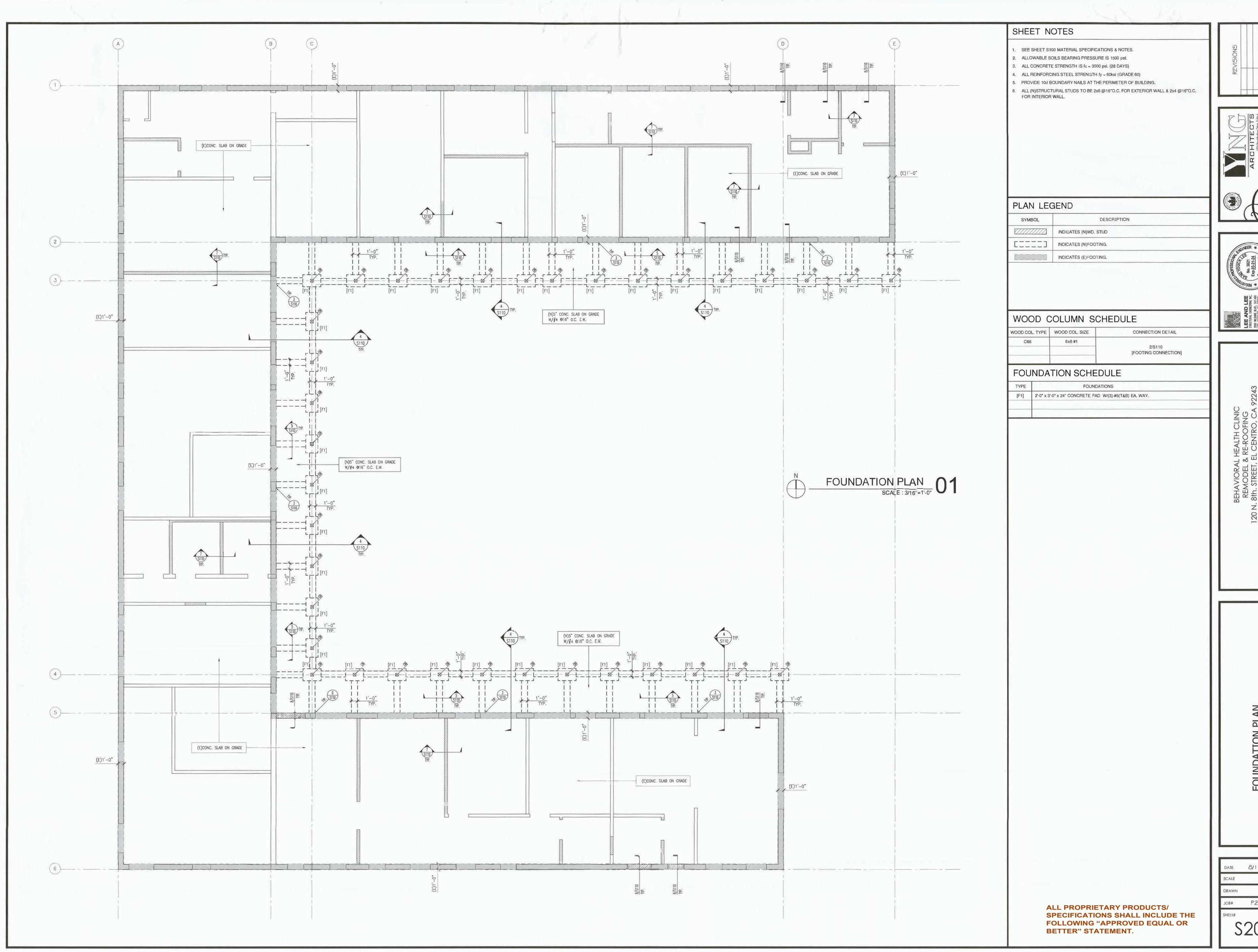




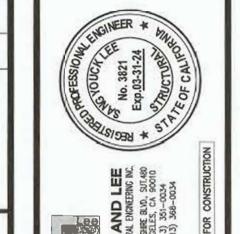




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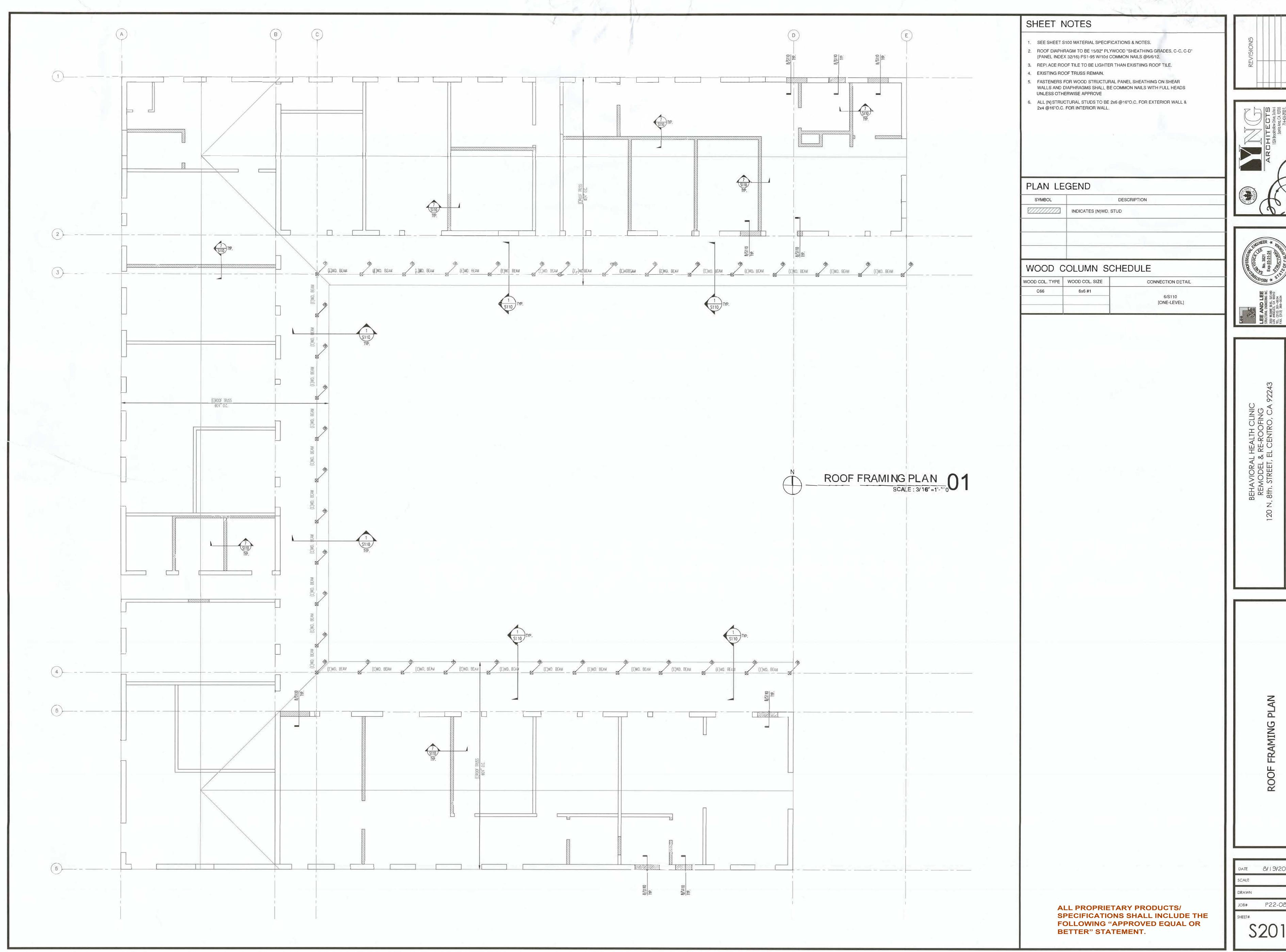






FOUNDATION PLAN

P22-0802









P22-0802

1) AT THE TIME OF ROUGH INSTALLATION AND DURING STORAGE ON THE CONSTRUCTION SITE UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEETMETAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS WHICH MAY ENTER THE SYSTEM (CALGREEN SECTION: 4.504.2).

2) BATHROOM EXHAUST FANS SHALL BE ENERGY START COMPLIANT AND DUCTED TO TERMINATE OUTSIDE THE BUILDING.

3) UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM, BATHROOM EXHAUST FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL, WHCIH SHALL BE CAPABLE OF ADJUSMENT BETWEEN RELATIVE HUMDITY OF 50 TO 80% (SECT. 4.506.1).

4) WHEN SHOWER IS SERVED BY MORE THAN ONE SHOWERHEAD, THE COMBINED FLOW RATE OF ALL THE SHOWERHEADS AND/OR OTHER SHOWERS OUTLETS CONTROLLED BY A SINGLE VALVE SHALL NOT EXCEED 2.0 GALLONS PER MINUTE AT 90 PSI, OR THE SHOWER SHALL BE DESIGNED TO ALLOW ONLY ONE SHOWER OUTLET TO BE IN OPERATION AT A TIME (CLAGREEN SECTION: 5.303.3.3.2)

HUMAN OCCUPANCY NOTE:

INTERIOR SPACES INTENDED FOR HUMAN OCCUPANY SHALL BE PROVIDED WITH ACTIVE OR PASSIVE SPACE-HEATING SYSTEM CAPABLE OF MAINTAININ A MINIMUM 68 DEGREES FAHRENHEIT AT A LEVEL 3' OFF THE FLOOR. SHOW BASIS FOR COMPLANCE, CBC 1204.1

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GENERAL SPECIFICATIONS

- EVERY DUCT AND PLENUM WHICH IS A PORTION OF THE COMFORT HEATING AND/OR COOLING SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF THE 2019 CALIFORNIA MECHANICAL CODE. THE CONSTRUCTION, INSULATION AND SUPPORT OF EVERY DUCT AND PLENUM SHALL COMPLY WITH LOCAL CODE AND SMACNA.
- CONCEALED SPACES, CIRCULATION AIR NO COMBUSTIBLE MATERIAL (SUCH AS EXPOSED COMMUNICATION CABLES, INSULATED WIRES, PLASTIC TUBING OR PIPING, PIPE INSULATION, CONDENSATE PAN INSULATION, WOOD, PVC, ABS AND OTHER PLASTICS) TO BE IN CONCEALED SPACES USED TO CONVEY CIRCULATING AIR SUPPLY. WHEN COMBUSTIBLE MATERIAL IS TO BE LOCATED IN THE ABOVE SPACES, IT SHALL BE APPROVED FOR SUCH INSULATION.
- **INSULATION OF DUCTS:** EVERY CONDITIONED AIR SUPPLY AND PLENUM SHALL BE INSULATED WITH NO LESS THAN 2" R-8 OF INSULATION VALUE. ONLY APPROVED MATERIALS SHALL BE USED WITHIN DUCTS OR PLENUMS FOR INSULATING, SOUND DEADENING OR OTHER PURPOSES.

INSULATION MAY BE OMITTED ON THE PORTION OF AN OUTSIDE AIR DUCT WHICH IS LOCATED WITHIN A WALL OR A FLOOR-CEILING SPACE WHERE BOTH SIDES AND THIS SPACE ARE EXPOSED TO CONDITIONED AIR AND WHERE THIS SPACE IS NOT VENTILATED OR OTHERWISE EXPOSED TO UNCONDITIONED AIR.

- TRANSVERSE SUPPLY DUCTS, TAPED OR SEALED WITH MASTIC EXCEPT FOR DUCTS EXPOSED TO CONDITIONED SPACE, WHERE DUCT STATIC PRESSURE EXCEEDS 3/4" WATER, LONGITUDINAL JOINTS, TAPED OR SEALED WITH MASTIC
- INSPECTION TO BE MADE AND DUCTWORK APPROVED BEFORE COVERING WITH INSULATION.
- TEMPERATURE CONTROLS: EACH HVAC SYSTEM SHALL BE PROVIDED WITH AT LEAST ONE AUTOMATIC TEMPERATURE CONTROL DEVICE FOR THE REGULATION OF TEMPERATURE THESE AUTOMATIC TEMPERATURE CONTROL DEVICES SHALL BE CAPABLE OF BEING SET TO MAINTAIN SPACE TEMPERATURE SET POINTS FROM 55 DEGREES F TO 85 DEGREES F. SHALL BE CAPABLE OF OPERATING THE SYSTEM HEATING AND/OR COOLING IN SEQUENCE. EXCEPT AS ALLOWED, THESE CONTROLS SHALL BE ADJUSTABLE TO PROVIDE A DEAD BAND OF 5 DEGREES F BETWEEN FULL HEATING AND FULL COOLING. CONTROLS SHALL HAVE THE CAPABILITY OF TERMINATING ALL HEATING AT A TEMPERATURE NO MORE THAN 70 DEGREES F AND OF TERMINATING ALL COOLING AT A TEMPERATURE NOT LESS THAN 78 DEGREES F.

FIRE DAMPER NOTES

ALL FIRE AND SMOKE DAMPERS ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LISTING AND INSTALLATION INSTRUCTIONS. FIRE DAMPERS SHALL BE DYNAMIC TYPE. (CBC 716.3.1, 716.2)

- WHEN THE AUTOMATIC ACTIVATION OF A SMOKE DAMPER OCCURS. THE HVAC SYSTEM SERVING SUCH DAMPERS SHALL IMMEDIATELY SHUT DOWN (CMC 606.8)
- FIRE AND SMOKE DAMPER SHALL BE LISTED AND BEAR THE LABEL OF AN APPROVED TESTING AGENCY
- FIRE DAMPERS SHALL COMPLY WITH THE REQUIREMENTS OF UL 555. ONLY FIRE DAMPERS LABELED FOR USE IN DYNAMIC SYSTEMS SHALL BE INSTALLED IN HEATING, VENTILATION, AND AIR-CONDITIONING SYSTEMS DESIGNED TO OPERATE WITH FANS ON DURING A FIRE. SMOKE DAMPERS SHALL COMPLY WITH THE REQUIREMENTS OF UL 555S. COMBINATION FIRE AND SMOKE DAMPERS SHALL COMPLY WITH BOTH UL 555 AND UL 555S. CEILING RADIATION DAMPERS SHALL COMPLY WITH THE REQUIREMENTS OF UL 555C. (CBC 716.3.1)
- FIRE DAMPERS SHALL HAVE A MINIMUM DAMPER RATING OF 1.5 HOURS WHEN INSTALLED IN LESS THAN 3-HOUR FIRE -RESISTANCE RATED ASSEMBLIES. RATINGS FOR DAMPERS INSTALLED IN WALLS RATED AT 3 HOURS OR MORE SHALL HAVE A MINIMUM FIRE RATING OF 3 HOURS. (CBC 716.3.2)
- FIRE AND SMOKE DAMPERS SHALL BE PROVIDED WITH AN APPROVED MEANS OF ACCESS. WHICH IS LARGE ENOUGH TO PERMIT INSPECTION AND MAINTENANCE OF THE DAMPER AND ITS OPERATING PARTS. THE ACCESS OPENING SHALL NOT REDUCE THE FIRE RESISTANCE RATING OF THE ASSEMBLY. FIRE AND SMOKE DAMPER ACCESS POINTS SHALL BE PERMANENTLY IDENTIFIED ON THE EXTERIOR HAVING LETTERS NOT LESS THAN 1/2" HIGH READING "FIRE DAMPER" OR "FIRE/SMOKE DAMPER" (CBC 716.4)

ALL WORK SHALL CONFORM TO THE 2019 CALIFORNIA MECHANICAL CODE, UNIFORM BUILDING CODE, AND ALL OTHER APPLICABLE LOCAL CITY CODES AND REGULATIONS.

- INCLUDING CALIFORNIA ENERGY CONSERVATION STANDARDS. THIS CONTRACTOR SHALL PAY FOR ALL PERMITS AND FEES.
- CONTROL LOW VOLTAGE WIRING BY MECHANICAL CONTRACTOR AND CONDUIT BY ELECTRICAL CONTRACTOR.
- CONDENSATE DRAIN PIPING AND FINAL CONNECTION TO UNIT BY PLUMBING CONTRACTOR.

UNLESS OTHERWISE NOTED ON PLAN,

- REDWOOD SLEEPER OR PLATFORM FOR ROOF AND OR OUTDOOR ON-GRADE MOUNTED UNITS, DUCT PENETRATION, FACTORY BUILT WALL OR STRUCTURE
- CONNECT MAIN DUCT TO AIR CONDITIONING UNIT WITH FLEXIBLE CONNECTION FOR VIBRATION AND SOUND ATTENUATION,

MOUNTED HVAC EQUIPMENT, CUTTING AND PATCHING BY GENERAL CONTRACTOR,

- THERMOSTAT SHALL BE 24 VOLT, ONE STAGE HEATING AND ONE OR TWO STAGE COOLING WITH MATCHING SUBBASE AND TAMPER PROOF COVER.
- PROVIDE FILTER FOR AID CONDITIONING AND/OR AIR SIDE UNITS AS REQUIRED PER ASHRAE AND CODE.
- THESE DRAWINGS ARE DIAGRAMMATIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH ALL OTHER TRADES,. THIS INCLUDES COORDINATING THE LOCATION AND SIZE OF ALL OPENINGS, LOCATIONS OF EQUIPMENT PADS AND CHANGES OF LOCATIONS OF DUCTWORK, AIR DISTRIBUTION LOCATIONS, PIPING, AND OTHER EQUIPMENT.
- THE CONTRACTOR SHALL SUBMIT BID BASED ON THE DRAWINGS AND ALTERNATE FOR COST SAVING. THESE DRAWINGS ARE FOR BIDDING PURPOSES.
- COORDINATE THE LOCATION OF ALL CEILING DIFFUSERS, REGISTERS, AND GRILLES WITH THE ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL LIGHTING LAYOUT, AND ARCHITECTURAL ROOM ELEVATIONS.
- DUCTS SHALL BE SUPPORTED WITH 1" WIDE 16-GAUGE HANGER STRAPS AND SHALL BE SPACED AT NO MORE THAN 7'-0" ON CENTERS AND SHALL BE SECURED TO STRUCTURAL MEMBER. EXPOSED DUCTWORK ON ROOF SHALL BE SECURED TO STRUCTURAL MEMBER. EXPOSED DUCTWORK ON ROOF SHALL BE SUPPORTED BY GALVANIZED STEEL ANGLE & SHALL BE PER LOCAL CODE, AND SMACNA STANDARDS.
- ROUND AND RECTANGULAR DUCTWORK ARE INTERCHANGEABLE IF CROSS SECTION AREAS ARE EQUIVALENT WITH PRESSURE RATINGS. CONTRACTOR SHALL VERIFY THE EXACT CEILING SPACES AND PROVIDE OR FABRICATE EQUIVALENT DUCTWORK SIZE FOR PROPER FIT INTERCHANGE WITHOUT ANY ADDITIONAL FEE CHARGE.
- INSTALL VOLUME CONTROL DAMPERS AT EACH SUPPLY DIFFUSER TO AFFORD COMPLETE CONTROL OF THE AIR FLOW IN THE VARIOUS DUCT SYSTEMS. INSTALL SPLITTER DAMPER AT DUCT TAKEOFFS AND DAMPER AS REQUIRED.
- COORDINATE ENTIRE INSTALLATION OF THE H.V.A.C. SYSTEM WITH THE WORK OF ALL OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS AS REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- PROVIDE BACK-DRAFT DAMPER FOR ALL EXHAUST AIR DUCT UNLESS OTHERWISE NOTED PER CODE.
- CONTRACTOR SHALL SUBMIT A COMPLETE BALANCE REPORT FOR APPROVAL SYSTEM AIR BALANCE SHALL BE PERFORMED BY AN INDEPENDENT AIR BALANCE CONSULTANT, A CERTIFIED AABC OR NEBB. THE REPORT SHALL INCLUDE THE **FOLLOWING:**
 - AIR QUANTITIES AT EACH REGISTER.
 - STATIC PRESSURE READINGS AT INLET AND DISCHARGE OF EACH AIR HANDLING SYSTEM AND AT INLET OF EACH EXHAUST AIR SYSTEM
 - COOLING AND HEATING SUPPLY AND RETURN AIR TEMPERATURES AT EACH AIR CONDITIONING UNIT.
- 18. ALL LINED DUCT DIMENSIONS ARE NET CLEAR DIMENSION AFTER LINING HAS BEEN INSTALLED.

- ANY MATERIAL, ARTICLE OR PIECE OF EQUIPMENT OTHER THAN THAT INDICATED SHALL NOT BE USED UNLESS APPROVED IN WRITING BY THE ENGINEER AND ANY CHANGES IN MECHANICAL, ELECTRICAL AND/OR OTHER SYSTEMS REQUIRED DUE TO SUCH SUBSTITUTION SHALL BE THE RESPONSIBILITY OF THE HVAC CONTRACTOR; AND AT NO ADDITIONAL COST TO THE OWNER
- EXHAUST OPENING SHALL BE 10'-0" AWAY OR 3'-0" ABOVE FROM OUTSIDE AIR INTAKE. EXHAUST OPENINGS SHALL ALSO BE 3'-0" AWAY FROM ANY BUILDING INTAKE (DOORS, WINDOWS, ETC.)
- ACCURATE AS-BUILT DRAWINGS SHALL BE MADE DURING CONSTRUCTION AND SUBMITTED FOR APPROVAL UPON COMPLETION OF INSTALLATION.

HVAC GENERAL NOTES

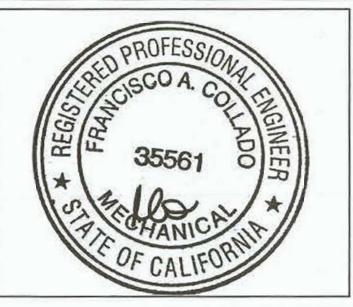
EQUIPMENT APPROVAL AND INTERLOCK DIAGRAM SHALL BE SUBMITTED FOR

APPROVAL PRIOR TO PURCHASE OF INSTALLATION.

- THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO VERIFY LOCATIONS AND SIZES OF ALL EXISTING EQUIPMENT AND INFORM THE ARCHITECT OF ANY
- THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TRANSPORTATION AND SERVICES NECESSARY FOR COMPLETION OF THE WORK, ALL MATERIALS AND WORK SHALL COMPLY WITH APPLICABLE CODES AND GOVERNING REGULATIONS AND MEET THE APPROVAL OF THE LOCAL JURISDICTION.
- TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE MATERIALS BEFORE, DURING. AND AFTER INSTALLATION. IN THE EVENT OF DAMAGE, IMMEDIATELY REPAIR ALL DAMAGED AND DEFECTIVE WORK TO THE APPROVAL OF THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
- COMPLETE SHOP DRAWINGS AND EQUIPMENT SUBMITTAL SHALL BE SUBMITTED AND APPROVED PRIOR TO ORDERING AND INSTALLATION OF ANY EQUIPMENT.
- 27. FOUR SETS OF OPERATING AND MAINTENANCE MANUALS SHALL BE SUBMITTED UPON COMPLETION OF PROJECT.
- EQUIPMENT WARRANTIES, FURNISH A WRITTEN GUARANTEE AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR ONE YEAR. GUARANTEE SHALL INCLUDE REPAIR OF DAMAGE TO, OR REPLACEMENT OF, ANY PART OF EQUIPMENT OR PREMISES CAUSED BY EQUIPMENT PROVIDED.
- DUCTWORK SHALL BE INSULATED OR LINED AS NOTED ON DRAWINGS. (WHERE APPLICABLE, ALL DUCTWORK EXPOSED ON ROOF SHALL BE INTERNALLY LINED UNLESS OTHERWISE INDICATED OR SPECIFIED). ALL DUCT SIZES ARE SHEET METAL SIZES. ALL DUCT JOINTS SHALL BE SEALED PER SPECIFICATIONS.
- ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE
- 31. AUTOMATIC FIRE DAMPER REQUIREMENTS ARE AS FOLLOWS: PROVIDE AUTOMATIC FIRE DAMPERS AT ALL PENETRATIONS OF FIRE-RATED CEILINGS AND WALLS THROUGHOUT. CONTRACTOR SHALL COORDINATE WITH FIRE-RATED CEILING AREAS AND WALLS AS INDICATED ON ARCHITECTURAL DRAWINGS. THIS NOTE SHALL TAKE PRECEDENCE OVER ANY OMISSIONS ON THE
 - DRAWINGS. SEE SPECIFICATIONS. LOCATION OF FIRE-RATED CEILINGS AND WALLS ARE AS INDICATED ON THE ARCHITECTURAL DRAWINGS.
- ALL HVAC EQUIPMENT AND APPLIANCES SHALL BE CERTIFIED BY THE STATE OF CALIFORNIA ENERGY COMMISSION, SHALL MEET AND COMPLY WITH STATE AND OR LOCAL ENERGY EFFICIENCY STANDARDS (E.E.S).
- HVAC CONTROL SYSTEMS SHALL MEET ALL THE REQUIREMENT OF ENERGY EFFICIENCY STANDARDS (E.E.S), SHALL BE TESTED TO ENSURE THAT CONTROL DEVICES, COMPONENTS, EQUIPMENT AND SYSTEMS ARE CALIBRATED, ADJUSTED AND OPERATE IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS. SEQUENCES OF OPERATION SHALL BE FUNCTIONALLY TESTED TO ENSURE THEY OPERATE IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS. A COMPLETE REPORT OF TEST PROCEDURES AND RESULTS SHALL BE PREPARED AND FILED WITH THE OWNER.

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info@winstoneng.com www.winstoneng.com



PROJECT NAME:

BEHAVIORAL HEALTH CLINIC REMODEL

COMMERCIAL

PROJECT ADDRESS

120 N. 8TH STREET **EL CENTRO** CA 92243

PROJECT #: 481-1

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1st Sl	JBMITTAL	11-7-2022
-		

HEALTH CLINIC

MECHANICAL NOTES AND LEGENDS

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1

ALL PROPRIETARY PRODUCTS/ SPECIFICATIONS SHALL INCLUDE THE FOLLOWING "APPROVED EQUAL OR BETTER" STATEMENT.

DRAWING SCHEDULE

M0.1 MECHANICAL NOTES AND LEGENDS M0.2 MECHANICAL SCHEDULES

M1.0 MECHANICAL FLOOR PLANS M1.1 MECHANICAL FLOOR PLANS

M1.2 MECHANICAL ROOF PLAN M2.0 MECHANICAL DETAILS M2.1 MECHANICAL DETAILS

M4.0 ENERGY COMPLIANCE

M4.1 ENERGY COMPLIANCE

M2.2 MECHANICAL DETAILS M3.0 MECHANICAL SPECIFICATIONS M3.1 MECHANICAL SPECIFICATIONS TITLE 24 NOTES:

1) EXTERIOR WALL INSULATION (TO REMAIN); R-13

2) ROOF INSULATION: R-38 (VERIFY AT SITE IS LESS THAN R-38 INCREASE ROOF INSULATION TO R-38).

3) SUPPLY AND RETURN DUCT INSULATION (NEW DUCTS) R-4.2

4) EXTERIOR WINDOW U-VALUES (NEW WINDOWS) 0.3

5) EXTERIOR WINDOWS SHGC VALUES (NEW WINDOWS) 0.23

TAG	SYMBOL	MANUFACTURER & MODEL	NECK SIZE	POSITION	CFM RANGE	REMARKS
			6°Ø		0-100	2737475767700
		TITUS MCD	8°Ø		101-175	(2)(3)(4)(5)(6)(7)(9) (A)(B)(C)(D)
CFM)	12x12	(LAY-IN)	10"Ø	CEILING	176-350	
	24x24		12"Ø		351-480	MAX. FLEX CONNECTION 5' LONG WITH MVD AT
			14"Ø		481-700	EACH BRANCH CONNECTION
			6°Ø		0-200	(1)(2)(3)(4)(5)(6)(7)(8)(9)
			8°Ø		201-325	(A) B) C) D)
CFM)	12x12	~ 1	10"Ø		326-425	
	24x24		12"ø		426-625	EGGCRATE TYPE
		TITUS PAR-AA (LAY-	14"Ø	CEILING	626-725	
(CFM)	24x24 12x12	IN)	16"Ø	OLILINO	726-825	
			18x18		826-1350	
			22x22		1351-2000	-
		- 2	22x46		2001-4000	
	24x24 12x12		6x6		0-75	(V2V2VXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
CFM)			8x8		76-150	1 2 3 4 5 6 7 8 9
			10x10		151-250	(A)(B)(C)
			12x12	_	251-350	
		TITUS 50F	14x14	CEILING	351-475	
		(GYPBOARD/ HAROLD)	16x16		476-650	-
			18x18		651-850	
			20x20		851-1025	
FM)			22x22		1026-1275	
,	12x12		24x24		1276-1600	-
	24x24		28x28		1601-2500	
			30x30		2501-2900	
			32x32		2901-3375	
			34x34		3376-3825	

	SYMBOL	S AND ABBREVIATIONS
SA		SUPPLY AIR PLENUM CROSS SECTION
RA		RETURN AIR PLENUM CROSS SECTION
SAD		SUPPLY DIFFUSER, CEILING W/ 4-WAY
RAG		RETURN AIR GRILLE/REGISTER, CEILING
EAG		EXHAUST AIR GRILLE/REGISTER, CEILING
SWS	-	SIDE WALL SUPPLY REGISTER
SWR		SIDE WALL RETURN GRILLE
CD	CD	CONDENSATE DRAIN
CFM	(CFM)	CUBIC FEET PER MINUTE
FD		FIRE DAMPER
FLA		FULL ŁOAD AMPERES
MCA		MAX. CIRCUIT AMPACITY
MOCP		MAX. OVERCURRENT PROTECTION DEVICE
RLA		RATED LOAD AMPERES
HP		HORSE POWER
OSA		OUTSIDE SUPPLY AIR
TYP	(TYP)	TYPICAL DETAIL CALLOUT
UTR		UP THRU ROOF
U/C		UNDERCUT DOOR 1"
AFF/BFF		ABOVE FINISHED FLOOR/ BELOW FINISHED FLOOR
DB, EAT, LAT		DRY BULB, ENTERING AIR TEMP., LEAVING AIR TEMP.
BTU, MBH		BRITISH THERMAL UNIT, THOUSAND BTU/HR
EER, SEER		ENERGY EFFICIENCY RATING, SEASONAL ENERGY EFF RATING
HSPF		HEATING SEASONAL PERFORMANCE FACTOR
KW		KILOWATT
	T	THERMOSTAT
	(SD)	SMOKE DETECTOR
KEF		KITCHEN EXHAUST FAN
MUA		MAKE UP AIR

										AIR H	ANDLING UN	NT SCH	EDULE	-					
UNIT	MANUFACTURER & MODEL	LOCATION	CFM	OSA	EXTERNAL STATIC	TOTAL STATIC PRESSURE	NUMBER OF SUPPLY FANS	INPUT POWER	COOLING COIL (MBH		HEATING COIL (MBH)	EDB/	AMB	NAMEPLATE		NAMEPLATE		WEIGHT	REMARKS
	& MODEL				PRESSURE			POWER	SENS.	TOTAL	COIL (MBH)	EWB	°F	MCA/MOCF	MCA/MOCP FLA V/PH (LBS)		MCA/MOCP FLA V/PH		(LBS)
AH-1	DAIKIN CAH006GVCM	MECHANICAL ROOM	2700	595	1.0"	2.63"	1	1.4 KW	81	4 5 4	53	60/63	112	12.5/20	10.03	208/3	950	SELECTED COILS TO MATCH SENSIBLE AND HEATING LOADS. PROVID WITH MIXING BOX, PANEL FILTER (MERV-13), DIRECT EXPANSION COIL, TWO ACCESS PANELS AND AUPPLY FAN ARRAY.	
H-2	DAIKIN CAH006GVCM	MECHANICAL ROOM	2700	672	1.0"	2.63"	1	1.4 KW	84	-	52	81/63	111	12.5/20	10.03	208/3	900	SELECTED COILS TO MATCH SENSIBLE AND HEATING LOADS. PROVID WITH MIXING BOX, PANEL FILTER (MERV-13), DIREC EXPANSION COIL, TWO ACCESS PANELS AND AUPPLY FAN ARRAY.	
NH-3	DAIKIN CAH006GVCM	MECHANICAL ROOM	2200	585	1.0"	2.61"	1	1.1 KW	70	-	50	94/67	111	12.5/20	10.03	208/3	1,100	SELECTED COILS TO MATCH SENSIBLE AND HEATING LOADS. PROVID WITH MIXING BOX, PANEL FILTER (MERV-13), DIRECTEXPANSION COIL, TWO ACCESS PANELS AND AUPPLY FAN ARRAY.	

WITH DIRECTIONAL BLADES.
PROVIDE SUBMITTAL FOR ARCHITECTS/ ENGINEER REVIEW AND APPROVAL

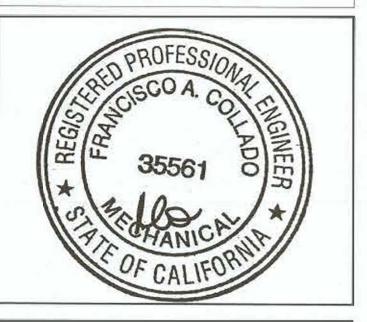
						HEAT PU	MP SC	HEDUL	.E					
UNIT	MANUFACTURER & MODEL	LOCATION	COOLING	COOLING CAP. (MBH)		HEATING CAP. (MBH)		EER	COP	NAMEPLATE			WEIGHT	REMARKS
			SENS.	TOTAL	МВН	TEMP	IEER			MCA/MOCP	RLA	V/PH	(LBS)	KEWAKKS
HP-1	DAIKIN RXTQ96XATA	MECHANICAL ROOM		96	103	47° F	22.5	12.6	3.5	36.3/45	23.8	208/3	525	HP-I TO SERVE AH-1.
HP-2	DAIKIN RXTQ96XATA	MECHANICAL ROOM		96	103	47° F	22.5	12.6	3.5	36.3/45	23.8	208/3	525	HP-2 TO SERVE AH-2.
HP-3	DAIKIN RXTQ72XATA	MECHANICAL ROOM	3 5	72	73	47° F	20.7	12.7	3.3	27.6/35	15.7	208/3	425	HP-3 TO SERVE AH-3.

EXHAUST FAN SCHEDULE												
UNIT	MANUFACTURER &	LOCATION	AREA SERVED	CFM	ESP	MOTOR DATA			WEIGHT	REMARKS		
	MODEL					W	V	PH	(LBS)	KLMANNO		
EF-1	GREENHECK SP-APO511W	CEILING	STAFF RESTROOM	60	0.7	11	115	1	10	INSTALL WITH BDD. ENERGY START RATED FAN. CONNECT TO LIGHT SWITCH.		
EF-2	GREENHECK SP-APO511W	CEILING	FAMLLY RESTROOM	60	0.7	11	115	1	10	INSTALL WITH BDD. ENERGY START RATED FAN. CONNECT TO LIGHT SWITCH.		
EF-3	GREENHECK SP-APO511W	CEILING	JANITOR	60	0.7	11	115	1	10	INSTALL WITH BDD. ENERGY START RATED FAN. CONNECT TO LIGHT SWITCH.		
EF-4	GREENHECK SP-APO511W	CEILING	ALL GENDER I RESTROOM	60	0.7	11	115	1	10	INSTALL WITH BDD. ENERGY START RATED FAN. CONNECT TO LIGHT SWITCH.		
EF-5	GREENHECK SP-APO511W	CEILING	ALL GENDER II RESTROOM	60	0.7	11	115	1	10	INSTALL WITH BDD. ENERGY START RATED FAN. CONNECT TO LIGHT SWITCH.		
EF-6	GREENHECK SP-APO511W	CEILING	ALL GENDER III RESTROOM	60	0.7	11	115	1	10	INSTALL WITH BDD. ENERGY START RATED FAN. CONNECT TO LIGHT SWITCH.		
EF-7	GREENHECK SP-APO511W	CEILING	ALL GENDER IV RESTROOM	60	0.7	11	115	1	10	INSTALL WITH BDD. ENERGY START RATED FAN. CONNECT TO LIGHT SWITCH.		
EF-8	GREENHECK SP-APO511W	CEILING	STORAGE	60	0.7	11	115	1	10	INSTALL WITH BDD. ENERGY START RATED FAN. CONNECT TO LIGHT SWITCH.		

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PROJECT NAME:

BEHAVIORAL HEALTH CLINIC REMODEL

COMMERCIAL

PROJECT ADDRESS:

120 N. 8TH STREET, EL CENTRO, CA 92243

PROJECT #: 481-1

	REVISION SCHED	ULE
\triangle	ISSUE	DATE
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1	1st SUBMITTAL	11-7-202
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HEALTH CLINIC

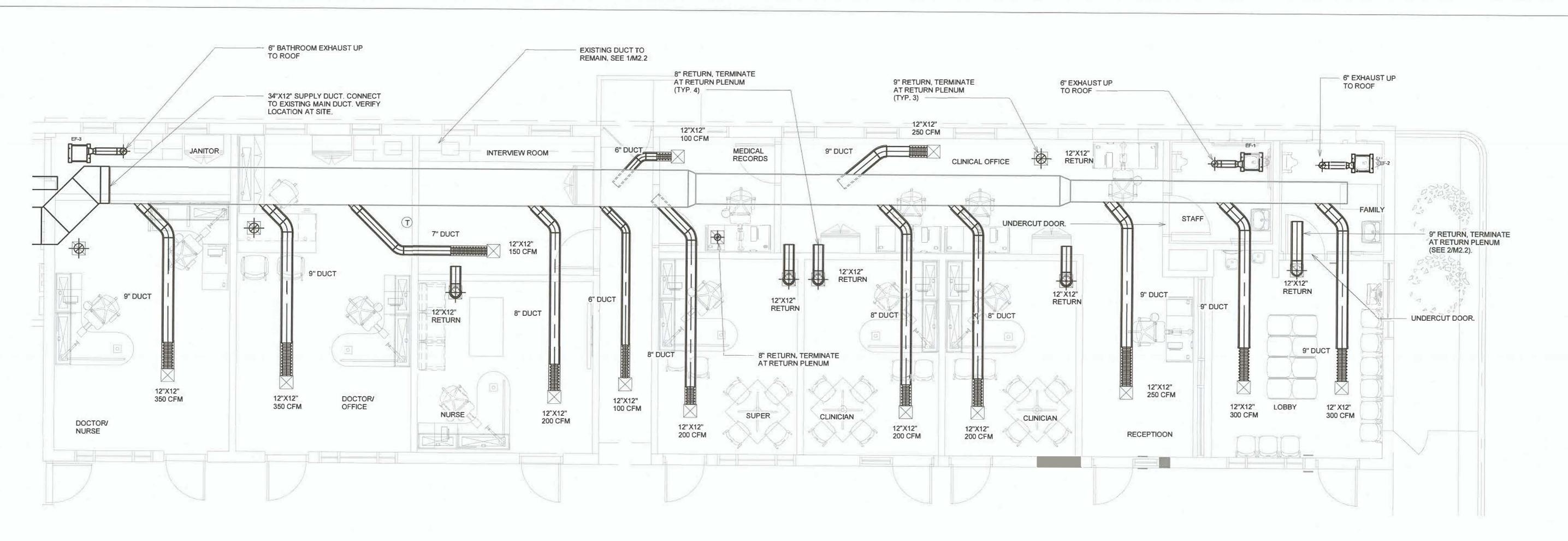
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MECHANICAL SCHEDULES

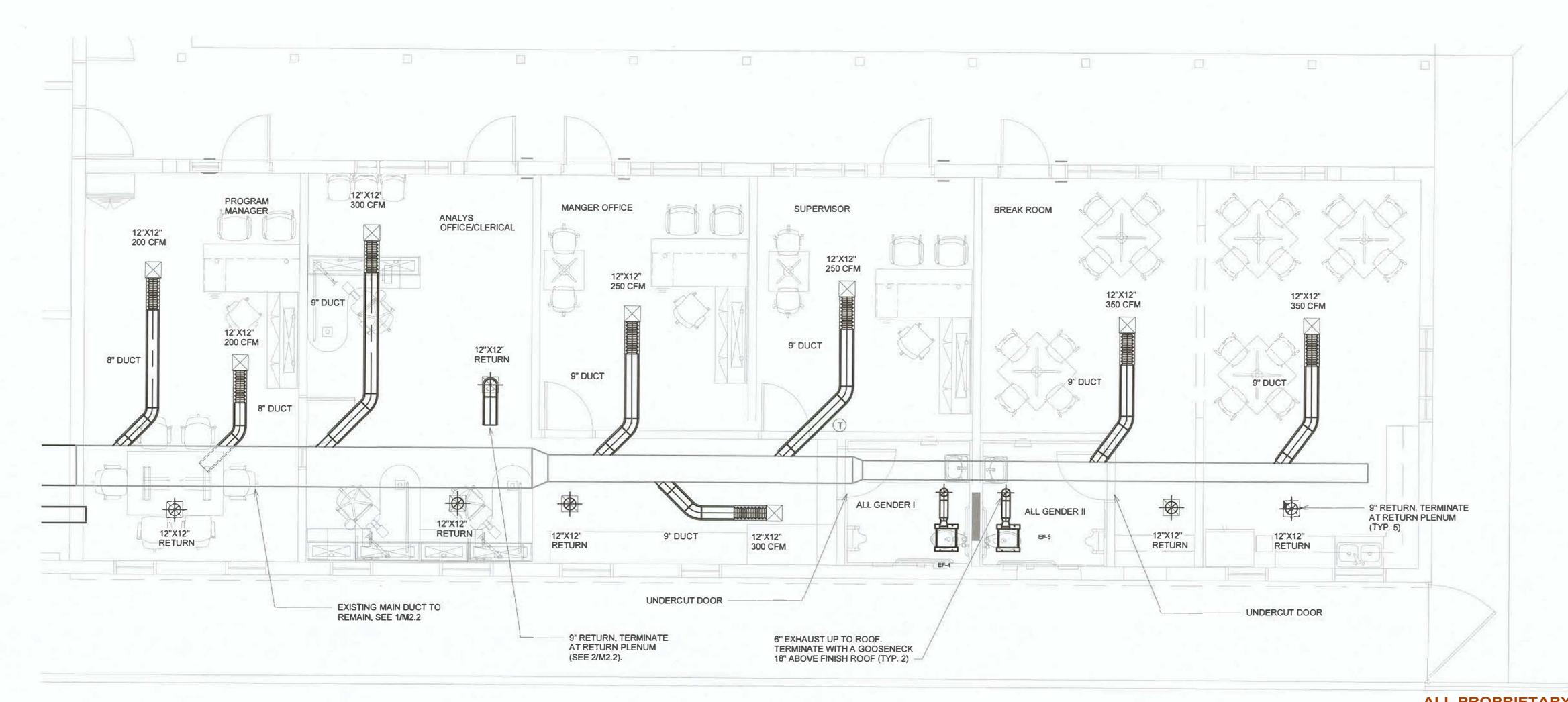
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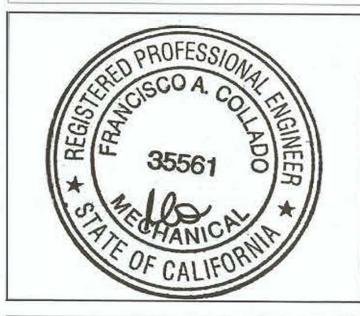
1 MECHANICAL PLAN I



2 MECHANICAL PLAN IV 1/4" = 1'-0" ALL PROPRIETARY PRODUCTS/
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ISSUE DATE

INITIAL SUBMITTAL

1st SUBMITTAL

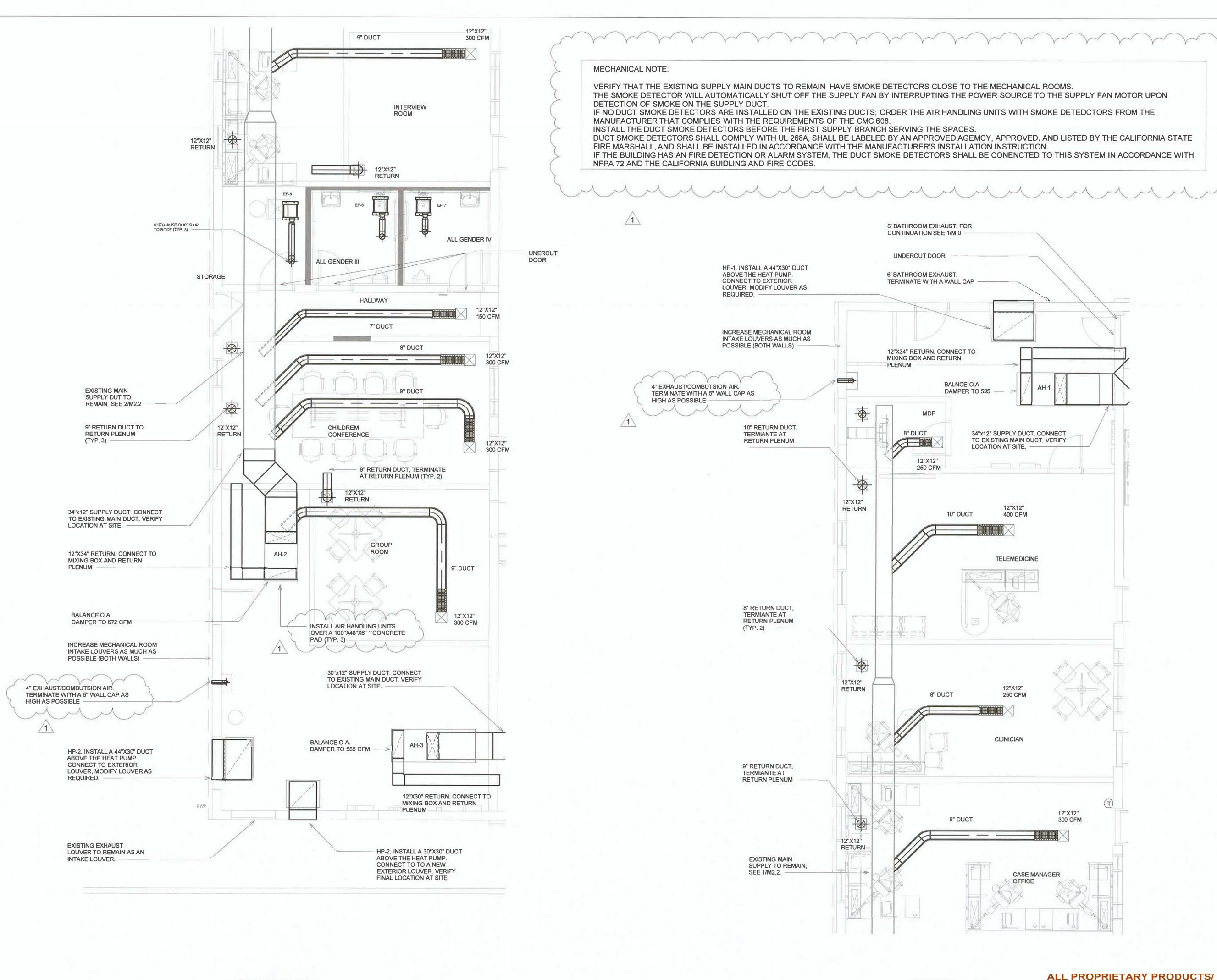
11-7-2022

HEALTH CLINIC

M1.0

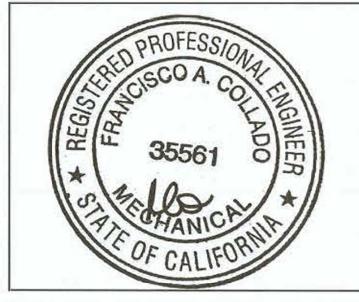
MECHANICAL FLOOR PLANS

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MECHANICAL FLOOR PLANS

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6" BATHROOM EXHAUST DUCTS. TERMINATE WITH A GOOSENECK 36" ABOVE FINISH ROOF. 6" BATHROOM EXHAUST DUCT. TERMINATE WITH A GOOSENECK 36" ABOVE FINISH ROOF. 6" STORAGE EXHAUST DUCT.
TERMINATE WITH A GOOSENECK
36" ABOVE FINISH ROOF. 6" BATHROOM EXHAUST DUCTS. TERMINATE WITH A GOOSENECK 36" ABOVE FINISH ROOF. 6" BATHROOM EXHAUST DUCTS. TERMINATE WITH A GOOSENECK 36" ABOVE FINISH ROOF. WINSTON ENGINEERING INC

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M1.2

MECHANICAL ROOF PLAN

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BETTER" STATEMENT.

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1/8" = 1'-0"

DAIKIN

Submittel Data Sheet 6 Ton, 230V VRV IV X HP RXYO72XATJA

FEATURES

- Industry's first 3 phase Heat Purey VRF system to Integrate with communicaling gas furnaces.
 Design feedbibly to enlarge system from single to dust module or dust to triple module without changes to installed main pipe exces.
- Warkethe Ratingarant temprehite (VRT) control allows the VRV IV to deliver up to 25% of improvement in sessional coding efficiency compared to provious 0 status VRV heat pump systems.

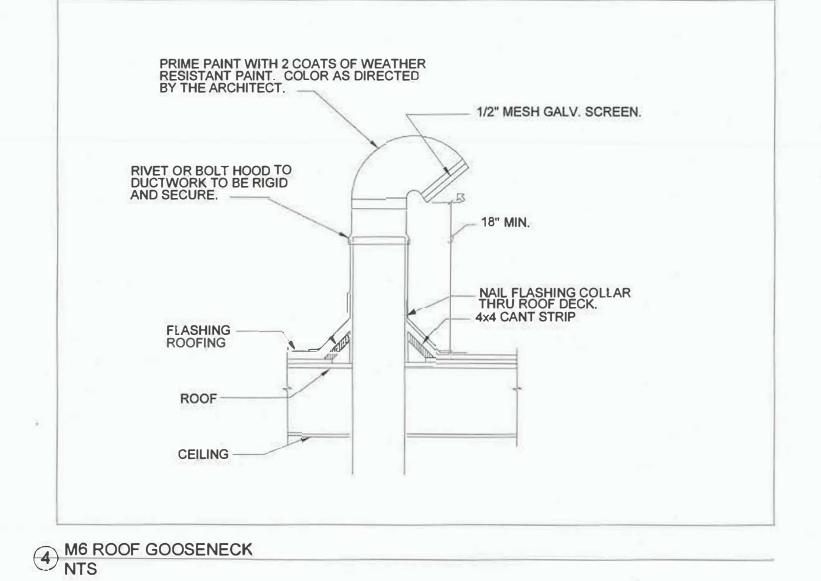
 New service valuement provides quick convex to resit-functional display and configuration buttons.
- Assembled in the US to increase devicting and reduce load times Multi-farchismal display provides reinfigerant pressures and terrototelunes of ministing the need to connect gouges during regular maintenance chack.
 Standard Limmed Warrenty. 10-year immed pure warrenty.
- Essay commissioning with ability to program somngs off sibs using configurator lock.

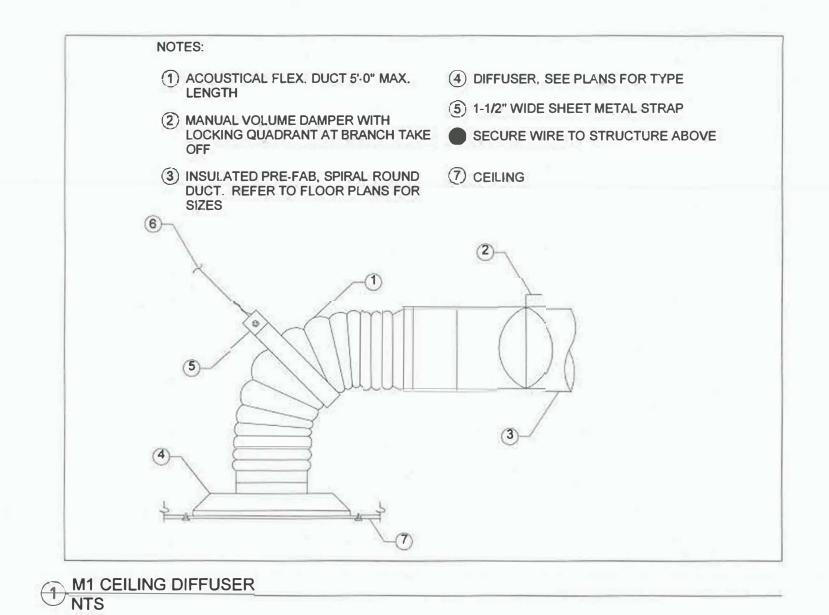
BENEFITS · Modular and lightweight . creation floatelity in system layout and installation

- Integraled investor technology detyrer maximum efficiency during part took conditions and provide practice including 20ne control Corresion realistance 1000ty sait spray tested Dalkin PE blue in heat exchanger.
- Design nerthelly with long siping lengths up to 3,280 ft total and 100 ft, varifical separation between indoor wills.
- Choice of gos furnises or heat pump heating for optimizing operational costs besed on utility cost.
- Expirement to operation copied on phased & lenant fit out commercial buildings.
- Year round comfort 8115 energy savings with Variable Religiesers
 Temperature restinctory (VRT)
- Field performable intermillent outdoor less operation to help minimize snow a manufaction on fair blodes when the system is off.









Dalkin City Generated Submittal Data	Dalkin North America LLC, 5151 San Felipe, Suite 500, Houston, TX, 77056	www.chakinac.com www.daitsncconfort.com
(Daikin's products are subject to continuous imp	rovements. Dakin reserves the right to modify product design, specifications and inform incurring any obligations)	nation in this data sheet without notice and without
Submittel Date: 5/29/2020 11:13:47 AM		Page 1 of 3

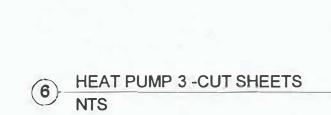
DAIKIN

Submittal Data Sheet 6 Ton, 230V VRV IV X HP RXYQ72XATJA

PERFORMANCE			
Dualdoor Unit Musicial No.	RXYQ12XATJA	Ouzásor Unit Hama.	6 Ton, 230V VRV IV X HP
Гуре.	Heat Pump	Unit Combination:	
Rabid Cooling Conditions:	Indoor ("F DB/NYB): 80 / 67 Aymbians ("F DB/NYB): 96 / 75	Reted Heating Conditions:	tridoor ("F DB/V/B): 47 / 43 Ambient ("F DB/V/B): 47 / 43
Record Pipling Length(Tt).			
Rated Height Difference (R):			
Rated Cooking Capacity (Bluff/):	66,000	Rated Heading Capachy (Blurhi)	73.000
Nom Cooling Capacity (Blufts):	72,000	Nom Heating Capacity (Blushr).	81,000
Cooling Insua Power (MW):	4.82	Heating input Power IkW)	5.40
EER (Non-Oudlet) Oucled):	14.70 / 12.70	Heating COP (Non-Outled Ductor)):	3.713.3
PER (Non-Our d'Duried):	25.80 / 20.70	Heating COP 17F (Non-Outlad/Ducted):	2.4 (2.9

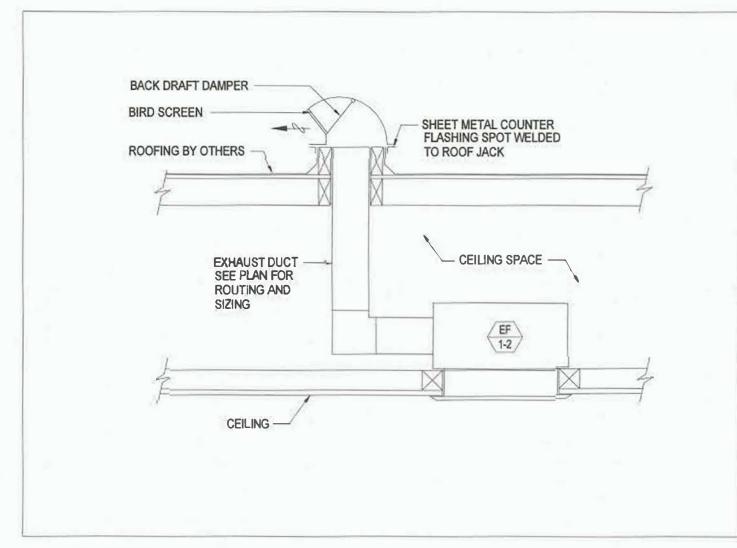
OUTDOOR WIT DETAILS			
Power Bupply (VIHZPI):	208-230 / 60 / 3	Compressor Stage	irryeriec
Power Supply Connections:	L1. L2. L3 Ground	Capacity Control Range (%):	20 - 100
Mir. Cirput Ampa MCA (A):	27.8	Capacity Index Limit	36.0 - 99.0
Max Overcoment Protection (NOP) (A):	35	Al-flow Rate (H) (CFM).	6544
Mex Starting Current MSC(A)		Gas Pipe Connection (Inch):	34
Raced Load Arros RLA(A):	15.7	Liquid Pape Connection (such);	3/8
Dimensions (Held) (In):	88-11/18	H/L Pressure Cornection (Inth)	
Dimensione (Middh) (In):	36-11/18	IVI. Equalizing Connection (Inch)	
Otherstons (Depth) (in);	30-3/16	Gound Pressure (H) (OBA):	56
Not Weight (lo):	435	Sound Power Level (dBA):	78
		Max. No of Indoor Units	12

Dath North America IIIC	5151 San Felipe, Suto 600, Houston, YX, 77066
Doikin City Generated Submittal Data	yeww dakinac dom www.dakingomton.com
	ht to modify product design, specifications and information in this data sheet without notice and without curing any obligations)
Submittal Date: 5/29/2020 11:13:47 AM	Page 2 of 3

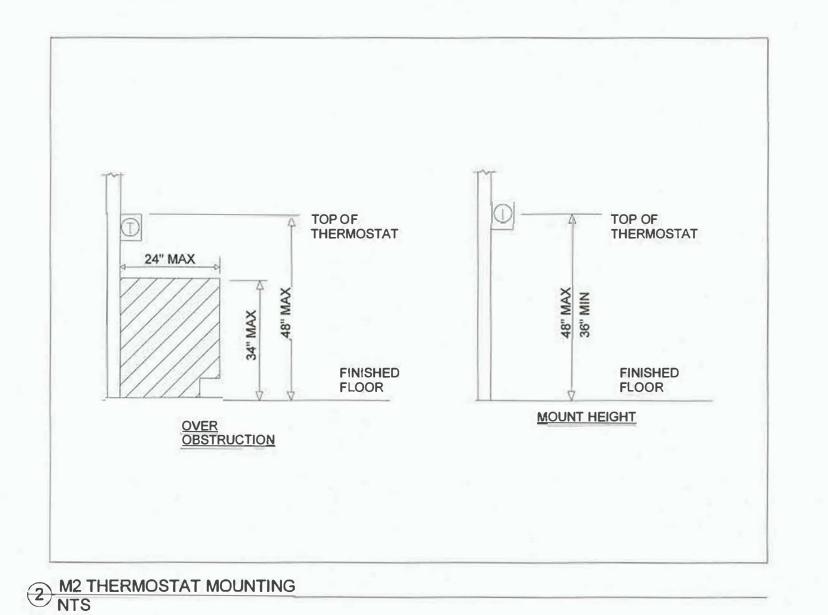


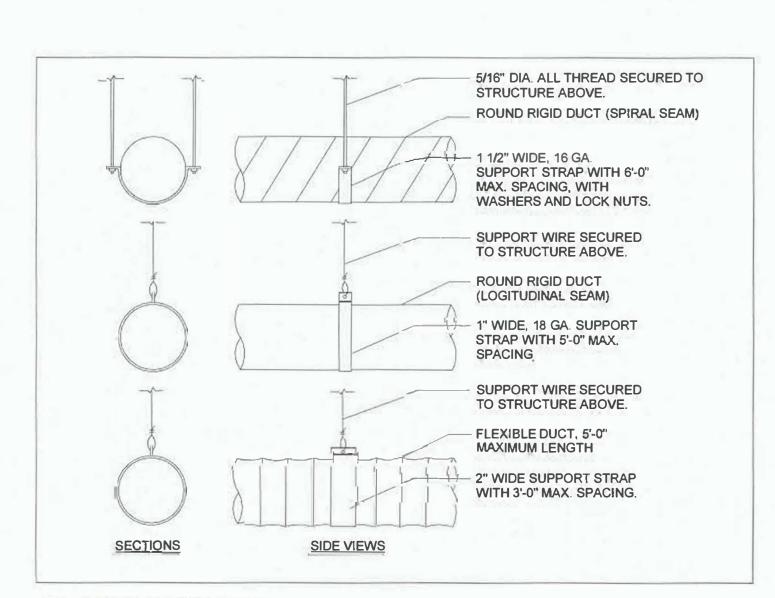
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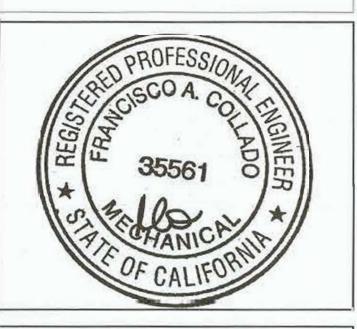
M13 CEILING EXHAUST FAN NTS





M3 ROUND DUCT SUPPORT NTS

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DDO IECT #: 491 1

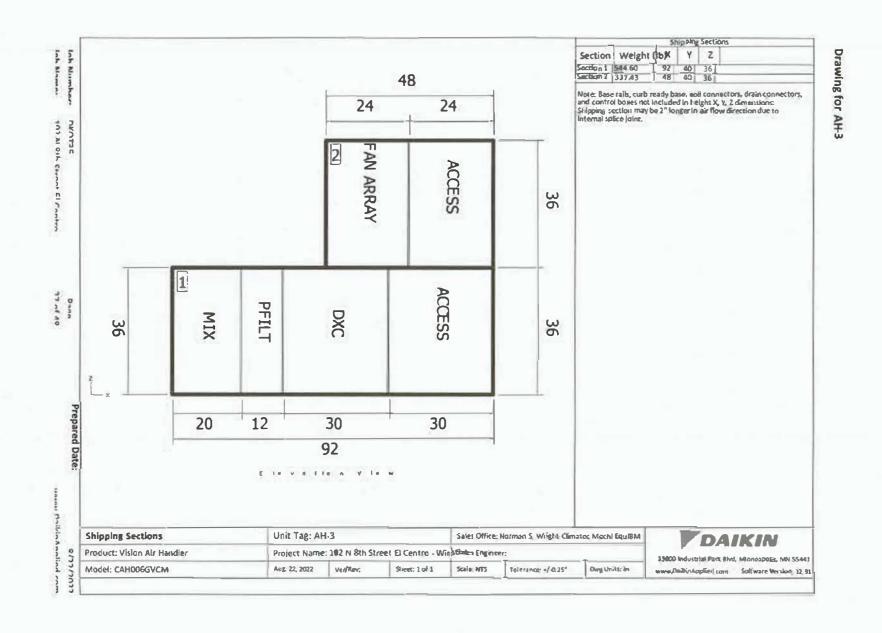
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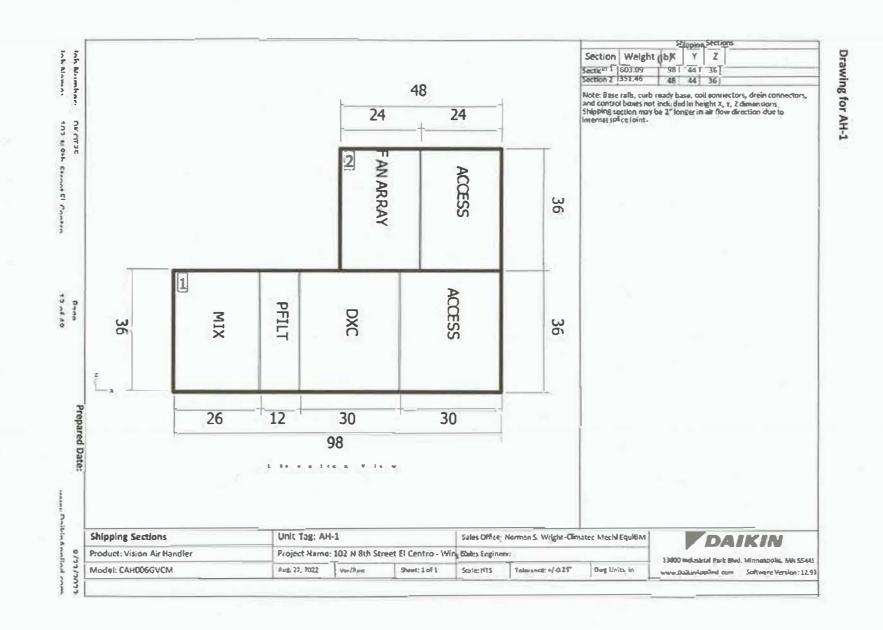
HEALTH CLINIC

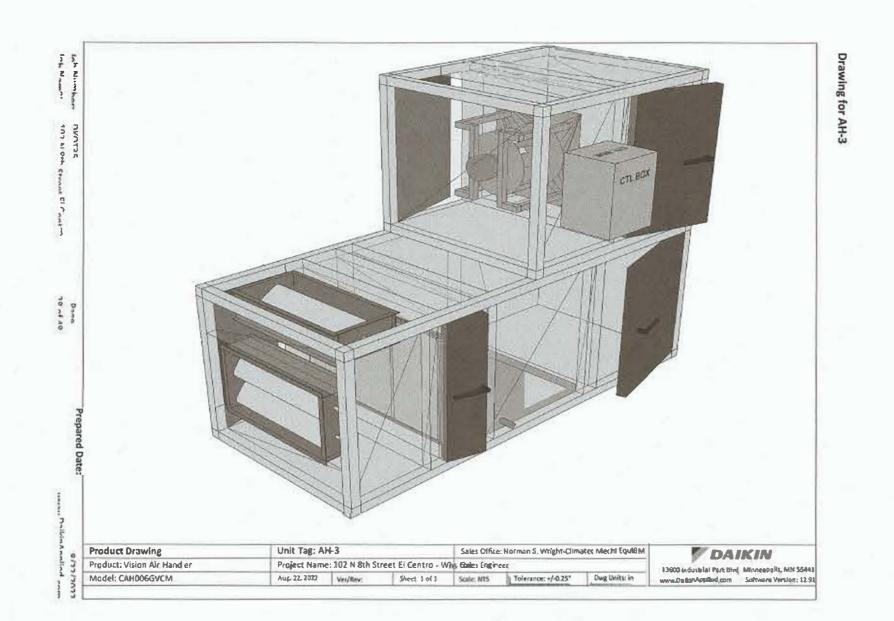
MECHANICAL DETAILS

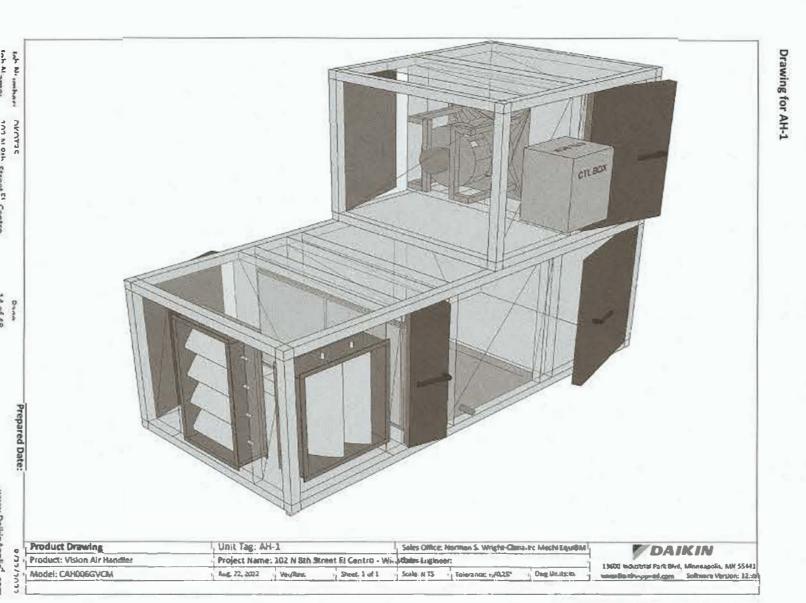
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ALL PROPRIETARY PRODUCTS/ SPECIFICATIONS SHALL INCLUDE THE **FOLLOWING "APPROVED EQUAL OR** BETTER" STATEMENT.









DAIKIN

RXYQ96XATJA

Submittal Data Sheet 8 Ton, 230V VRV IV X HP

FEATURES

- Industry's first 3 phone Heat Pump VRS- system to sitegrate with communicating gas furnacing
- Oceaning facilities to enhance system trace single to duel module or duel to triple module without changes to installed main pipe about.

 Variable Rejrigerant Temperature (VHI) control allows the VRV IV to deliver up to 28% of improvement in graderical cooling officiality ecompared to provide Dalkin VRV heet pump systems.
- New service window provides quick access to multi-funding all display and configuration buttons.
- · Assembled in the US to increase the billy and reduce lead times Multi-functional display provides intropage pressures and serperatures eliminating the need to connect gauges during regular maintainance check.
- Standard Limited Warranty 10-year limited parts warranty Easy commissioning with ability to program settings off site using configurator tool.
- BENEFITS
- . Modular and lighthodold stables Carefully in system byout and metalistion tribogratus inventor technology di obver reactimum officiency during past load conditions and provide precise included zone control Corresion resistance 1000hz sait spray tested Dalkin PE blue fin host exchanger
- Design fixedbilly with long piping sengths up to 3,280 ft, total and 500 ft, vertical separation between indeer units
- Choice of gas furnice or heal pump healing for epimbing operational eleis based on utility cost.

 Engineered on optimize cuptal on phased & tenan, at out commercial butchings.
- Yes round contort and energy savings with Variable Refrigerant Temperature technology (VRT). Floid performable intervilled outdoor fan operation to help minimize anow stournulation on fan bladen when the system is off





Dalkin North America LLC, 5151 San Felipe, Suite 500, Houston, TX, 77058 ווינלי ליטלויונים בשנולו מישון (פסים מפונולוגלו פיצור (Dakin's products are subject to continuous improvements. Dakin reservas the right to modify product design, specifications and information in this data sheet without notice and without incurring any obligations) Submittel Date: 5/29/2020 11:15:02 AM

DAIKIN

Submittal Data Sheet 8 Ton, 230V VRV IV X HP

The state of the s			
Outdoor Unit Model No.	RXY096XATJA	Outdoor Unit Name:	8 Ton, 230V VRV (V X) €
Тура	Host Pump	Unit Combinatori:	
Railed Cooling Condition is:	Indeor ("F DB:W/B): 80 / 67 Arrhteni ["F DB/WB]: 95 / 75	Raind Heading Conditions:	Indoor ("F DE-V/B)B70 / 60 Ambient ("F DG-WB): 47 / 43
Raded Piping Length(N).			
Rates Helght Culturesco (4):			
Retod Cooling Capacity (Eltufiv):	92,000	Reseal Heeting Capeoly (Brate):	103,000
Hom Cooling Capacity (Bluffer):	96,000	None Healing Capacity (Bauhy);	108,000
Cooking Input Power (ILW):	0.11	Hedging Input Power (KW):	882

Heating COP (Non-austed/Ducted)* 4 0/35

Hasting COP 17F (Non-Outland Dychod): 2.8/2.5

DUTDOCH UNIT DETAILS			
Pones Supply (VINLUPN)	208-230 / 60 / 3	Compressor Stage:	& Total (set
Power Supply Corrections:	L1 L2, L3 Ground	Capacity Control Range (%):	16 - 100
Win. Chadi Arepo NICA (A):	36.3	Capacity Index Limit;	48.0 - 124.0
Ack Oversom Perocusa (MOP) (A):	45	Airhow Rade (H) (CFM);	5827
dox Seating Current MSC(A)		Gos Pipe Corsection (Inch):	7/8
Calcul Load Amps RLA(A)	2: 23.8	Liqued Pipe Connection (rach):	3/8
Dimerolons (Heighl) (in):	65-11/16	HA. Pressure Connection (Inch)	
Directions (West) (ri):	48-7/8	Hr. Equaliting Connection (Inch)	
Dimensions (Depth) (In):	30-3/18	Sound Pressure (H) (d8A);	61
Hall Wolgh (b):	625	Sound Power Level (dBA):	Dt
		Man, No. of higher Units:	16

	Deitin North America LLC, 5151 San Fellpe, Sulta 500, Houston, TX, 77056	
Daikin City Generated Submittal Data	zenie daßinas con www.deisin	scombart.c
(Dalkin's products are subject to continuous improve	ents. Dalkin reserves the right to modify product design, specifications and information in this data sheet without notice	and with
	incurring any obligations)	

HEAT PUMPS 1 & 2 -CUT SHEETS

MECHANICAL DETAILS

8605 Santa Monica Blvd Ste 63454

West Hollywood, CA 90069 951-902-6600

info@winstoneng.com

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BEHAVIORAL

HEALTH CLINIC

REMODEL

COMMERCIAL

EL CENTRO, CA 92243

DATE

11-7-2022

120 N. 8TH STREET

REVISION SCHEDULE

HEALTH CLINIC

PROJECT NAME:

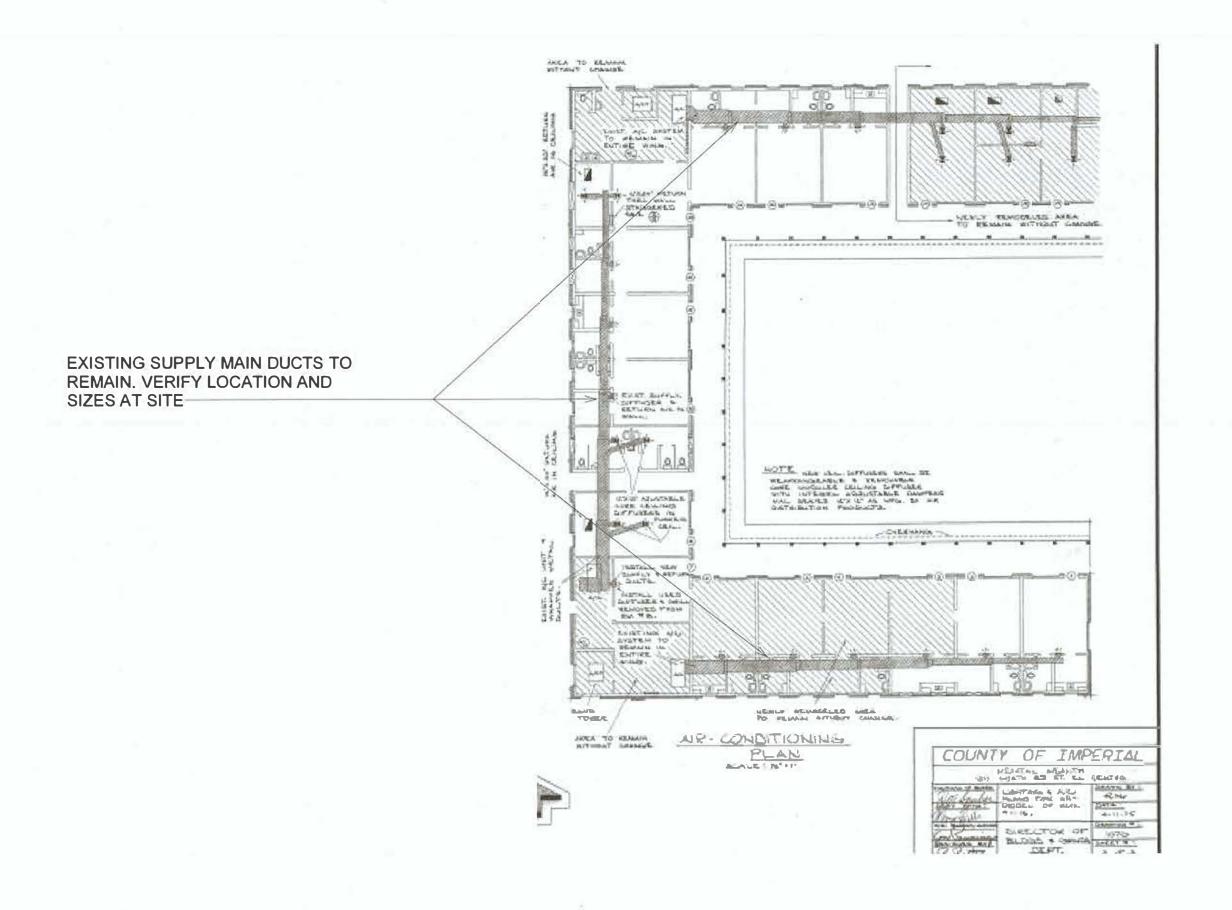
PROJECT ADDRESS:

PROJECT #: 481-1

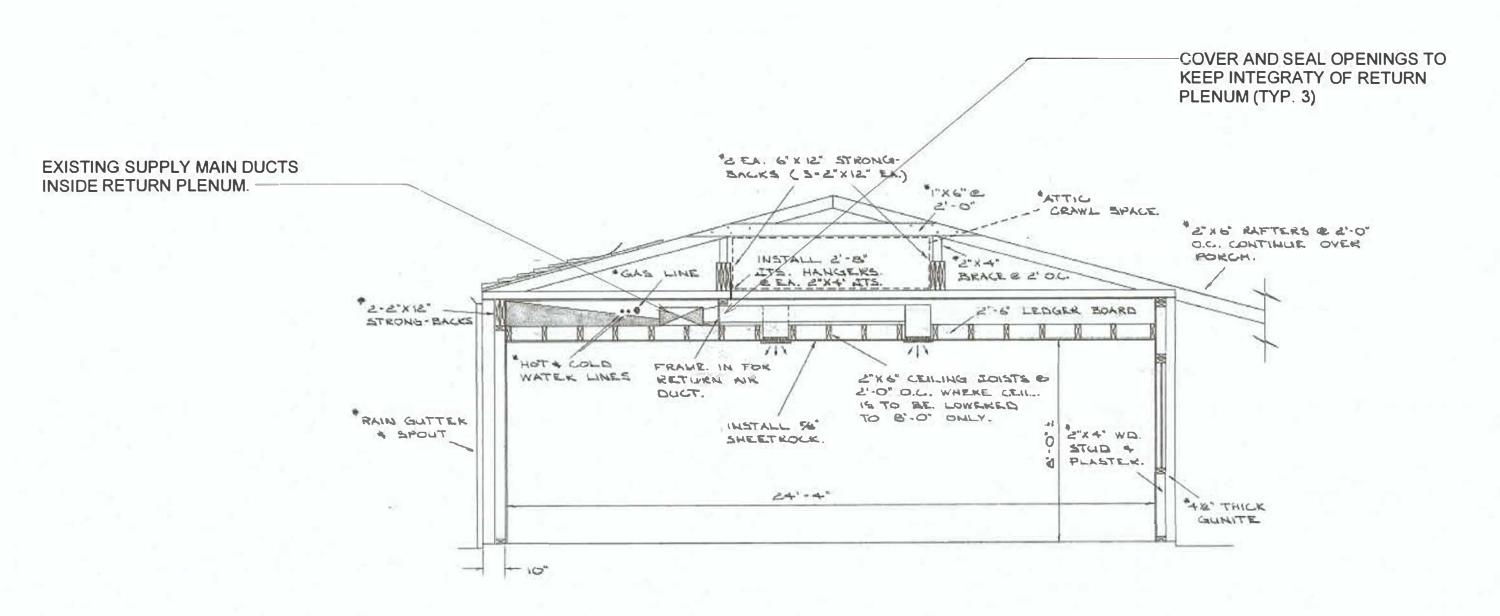
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1 EXISTING SUPPLY MAIN DUCTS TO REMAIN NTS

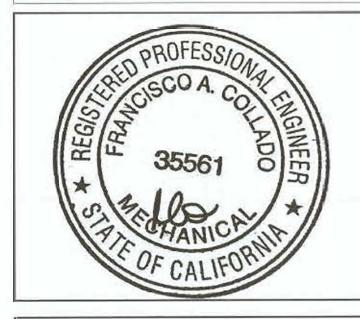


2 EXISTING RETURN PLENUM TO REMAIN NTS

ALL PROPRIETARY PRODUCTS/
SPECIFICATIONS SHALL INCLUDE THE
FOLLOWING "APPROVED EQUAL OR
BETTER" STATEMENT.

WINSTON ENGINEERING INC

8605 Santa Monica Blvd Ste 63454 West Hollywood, CA 90069 951-902-6600 info@winstoneng.com www.winstoneng.com



PROJECT NAME:

BEHAVIORAL HEALTH CLINIC REMODEL

COMMERCIAL

PROJECT ADDRESS:

120 N. 8TH STREET, EL CENTRO, CA 92243

PROJECT #: 481-1

REVISION SCHED	ULE
△ ISSUE	DATE
1st SUBMITTAL 1st SUBMITTAL	11-7-202

HEALTH CLINIC

M2.2

MECHANICAL DETAILS

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PART 1 - GENERAL

1.01 DESCRIPTION

- SECTIONS 15000 THRU 15899 PERTAIN TO HEATING VENTILATING AND AIR CONDITIONING WORK. THIS SECTION APPLIES TO AND GOVERNS ALL HVAC SECTIONS.
- REFER TO OTHER DIVISIONS FOR CONTINUATION OF EXTERIOR AND ALLIED WORK
- FIELD PAINTING IS SPECIFIED IN DIVISION 9.

1.02 PERMITS, FEES, CODES, ORDINANCES, AND REGULATIONS

- OBTAIN AND PAY FOR ALL PERMITS, INSPECTIONS AND CONNECTION FEES REQUIRED BY GOVERNING BODIES IN CONNECTION WITH THE WORK. DELIVER CERTIFICATES OF INSPECTION TO THE ARCHITECT-ENGINEER.
- ALL WORK SHALL COMPLY WITH GOVERNING CODES, ORDINANCES, AND REGULATIONS OF CITY, COUNTY AND STATE HAVING JURISDICTION, AND THE NATIONAL ELECTRICAL CODE, MECHANICAL CODE, AND REQUIREMENTS OF BOARD OF HEALTH.

1.03 QUALITY ASSURANCE

- A. INDUSTRY STANDARDS AND CODES: UNLESS MODIFIED BY THESE SPECIFICATIONS, THE DESIGN, MANUFACTURE, TESTING AN METHOD OF INSTALLING ALL MATERIALS APPARATUS AND EQUIPMENT SHALL CONFORM TO THE FOLLOWING:
 - 1. ARI CODE FOR REFRIGERATION APPARATUS
 - 2. ANSI B9.1 SAFETY CODE FOR MECHANICAL REFRIGERATION.
 - 3. STANDARDS OF NATIONAL FIRE PROTECTION ASSOCIATION
 - 4. SMACNA 5. ASHRAE

1.04 SUBMITTALS

- SHOP DRAWINGS: SUBMIT ON ALL MATERIALS, PRODUCTS, EQUIPMENT AND SYSTEMS AS SPECIFIED UNDER HVAC SECTION IN THIS DIVISION IN ACCORDANCE WITH THE GENERAL CONDITIONS.
- PRODUCT DATA: SUBMIT ON ALL MATERIALS, PRODUCTS, AND EQUIPMENT UNLESS
- OTHERWISE SPECIFIED OR ACKNOWLEDGED IN WRITING. SAMPLES: BUILT WHEN SPECIFIED OR REQUESTED.
- TEST AND BALANCE REPORT: SUBMIT AT FINAL INSPECTION
- OPERATION AND MAINTENANCE MANUALS: SUBMIT COPIES IN COMPLIANCE WITH

SECTION, OPERATIONS, AND MAINTENANCE MANUALS

1.05 JOB CONDITIONS

- PROTECT MATERIALS, APPARATUS AND EQUIPMENT FROM DAMAGE, MOISTURE, DIRT DEBRIS, AND WORK OF OTHER TRADES
- USE OF PAPER, CARDBOARD OR OTHER FLIMSY MATERIAL WILL NOT BE PERMITTED. REPLACE DAMAGED PROTECTIVE MATERIALS IMMEDIATELY. DO NOT INSTALL DAMAGED MATERIALS AND EQUIPMENT: REMOVE FROM THE SITE.

1.06 RECORD DOCUMENTS

- REFER TO GENERAL CONDITIONS AND DIVISION 1 FOR REQUIREMENTS CONCERNING
- RECORD DOCUMENTS FURNISH ARCHITECT-ENGINEER WITH ONE SET OF ACCURATELY MARKED BLUE-LINE COPIES OF THE DRAWINGS, INDICATING ALL CHANGES FROM THE CONTRACT DRAWINGS AND ALL HVAC WORK AND CONTROLS AS INSTALLED.

1.07 GUARANTEES AND SERVICE

- REFER TO GENERAL CONDITIONS FOR GUARANTEE
- WHERE EXTENDED GUARANTEES ARE CALLED FOR HEREIN, FURNISH THREE COPIES TO BE INSERTED IN OPERATION AND MAINTENANCE MANUALS
- ALL PREVENTATIVE MAINTENANCE AND NORMAL SERVICE WILL BE PERFORMED BY THE OWNERS MAINTENANCE PERSONNEL AFTER FINAL ACCEPTANCE OF THE WORK. THIS SHALL NOT ALTER THE CONTRACTORS GUARANTEE OF THE WORK IN ANY WAY.
- ALL LABELS SHALL BE SECURELY AFFIXED.

PART 2 - PRODUCTS

2.01 GENERAL

- A. ALL MATERIALS AND EQUIPMENT SHALL BE NEW SYSTEMS, SHALL BE PROVIDED COMPLETE, AND EACH SYSTEM AS NEW THEREOF FAIL TO MEET PERFORMANCE REQUIREMENTS. NECESSARY REPLACEMENTS, ALTERATIONS OR REPAIRS, AS REQUIRED BY THE ARCHITECT-ENGINEER, SHALL BE MADE TO BRING PERFORMANCE UP TO SPECIFIED REQUIREMENTS OF BUILDING.
- WHERE MULTIPLE ITEMS OF EQUIPMENT OF MATERIALS ARE REQUIRED, THEY SHALL BE THE PRODUCT OF A SINGLE MANUFACTURER
- BEFORE ORDERING ANY EQUIPMENT, THE SIZE OF ALL EQUIPMENT SHALL BE CHECKED TO EASILY FIT SPACES ALLOTTED ON THE DRAWINGS
- INSERTS PIPE SLEEVES, SUPPORTS AND ANCHORAGE OF AIR CONDITIONING EQUIPMENT SHALL BE PROVIDED IS SPECIFIED HEREIN, WHERE SUCH ITEMS ARE TO SET OR EMBEDDED IN CONCRETE MASONRY OR SIMILAR WORK, THE ITEMS SHALL BE FURNISHED AND LAYOUT MADE AT THE PROPER TIME FOR THE SETTING OR EMBEDMENT THEREOF SO AS TO CAUSE 3.10 NO DELAY IN THE WORK.
- WHOLE AND IN ALL ITS PARTS SHALL FUNCTION CORRECTLY UP TO THE SPECIFIED CAPACITY. SHOULD A SYSTEM OR ANY PART PIPING ASSEMBLIES OF EQUIPMENT SHOWN ON THE DRAWINGS AS DIAGRAMMATIC. ALL PIPING AND APPURTENANCES REQUIRED FOR THE PROPER OPERATION OF ALL EQUIPMENT SHALL BE PROVIDED.

2.02 MANUFACTURERS NAMES AND CATALOG NUMBERS

- SPECIFIED REFERENCES HAVE BEEN MADE TO ONE OR MORE MANUFACTURERS NAMES
- AND MODEL OR CATALOG NUMBERS. THIS DOES NOT INDICATE THAT THE MATERIAL AND EQUIPMENT SPECIFIES IS NECESSARILY AND "OFF THE SHELF" ITEM; REQUIREMENTS FOR SPECIFIC FINISHES, MATERIALS OR OTHER MODIFICATIONS MAY INTRODUCE VARIANCES FROM MANUFACTURERS STANDARDS. CONTRACTOR SHALL ASCERTAIN THAT SUCH MODIFICATIONS ARE FULLY CONSIDERED.

2.03 DIAGRAM, NAMEPLATES, AND LABELS

- A. EACH MAJOR COMPONENT OF EQUIPMENT SHALL HAVE THE MANUFACTURERS NAME, ADDRESS AND CATALOG NUMBER ON A PLATE SECURELY AFFIXED IN A CONSPICUOUS PLACE. THE NAMEPLATE OF A DISTRIBUTING AGENT WILL NOT BE ACCEPTED
- ALL PIECES OF EQUIPMENT, VALVES, STARTERS, DISCONNECTS, AND ALL PNEUMATIC AND ELECTRICAL CONTROL INSTRUMENTS AND APPARATUS SHALL BE IDENTIFIED WITH 1/16" THICK BLACK LAMINATED PLASTIC NAMEPLATES, WITH 3/16" HIGH WHITE LAMINATED LETTERS. SIMILAR AND LIKE EQUIPMENT SHALL BE DESIGNATED WITH NUMERICAL SUFFIX (EXAMPLE: THERMOSTAT, T1). THE NAMEPLATE SHALL COINCIDE WITH ITEMS APPEARING ON 'DIAGRAMS.
- PROVIDE A LABEL FOR THE MECHANICAL SYSTEM STATING: "INSTALLATION BY" (NAME,
- ADDRESS, AND PHONE NUMBER OF CONTRACTOR) LETTERS SHALL BE 1/4" HIGH AND LOCATED IN A CONSPICUOUS PLACE IN THE MECHANICAL ROOM.

PART 3 - EXECUTION

3.01 INSTALLATION AND WORKMANSHIP

- THE WORK SHALL BE PERFORMED BY QUALIFIED MECHANICS AND ALL MATERIALS, APPARATUS AND EQUIPMENT SHALL BE INSTALLED IN NEAT, WORKMANLIKE MANNER. ANY MATERIAL, APPARATUS OR EQUIPMENT WHICH, IN THE OPINION OF THE ARCHITECT-ENGINEER, IS IMPROPERLY INSTALLED SHALL BE REMOVED AND REINSTALLED IN AN APPROVED MANNER AT NO ADDITIONAL COST TO THE OWNER.
- THE WORK SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES. WHERE THE WORK IS DEPENDENT UPON WORK OF OTHER TRADES OR WORK ALREADY IN PLACE, SUCH OTHER WORK AND WORK PLACE SHALL BE EXAMINED AND SHALL BE IN PROPER CONDITION AND STATE OF COMPLETION BEFORE CONTINUING THE INSTALLATION
- THE INSTALLATION OF THE SYSTEM SHALL, IN GENERAL, BE IN ACCORDANCE WITH THE DRAWINGS WITH REGARDS TO LOCATION OF EQUIPMENT, DUCTS, PIPES, AND THE LIKE. PIPING DUCTWORK INDICATED SHALL BE FOLLOWED AS ACCURATELY AS ACTUAL CONSTRUCTION WILL PERMIT AND ANY DEVIATIONS THERE FROM SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT- ENGINEER, CONTRACTOR SHALL FURNISH DRAWINGS SHOWING PROPOSED CHANGES.

3.02 EARTHWORK AND DEWATERING

PERFORM IN ACCORDANCE WITH DIVISION 2.

APPROVED BY ARCHITECT-ENGINEER

3.03 CUTTING AND PATCHING

- LAYOUT OPENINGS FOR CUTTING BY OTHER TRADES AS REQUIRED.
- CUTTING OF STEEL, CONCRETE OR ANY OTHER STRUCTURAL PART MUST BE APPROVED IN WRITING BY ARCHITECT-ENGINEER PRIOR TO CUTTING.

3.04 WATERPROOFING DO NOT CUT OR PENETRATE WATERPROOFED SURFACES, OR WATERPROOFING MEMBRANES. WITHOUT FIRST MAKING ARRANGEMENTS FOR REPAIR BY METHOD

3.05 ELECTRICAL WORK

- POWER WIRING FROM CONTROLLERS TO MOTORS IS SPECIFIED IN DIVISION 16. ING FROM PANELS TO MOTOR CONTROLLERS
- MOTOR STARTERS NOT SPECIFIED TO BE PROVIDED WITH THE MOTORS AT THE FACTORY ARE SPECIFIED IN DIVISION 16.
- SUBMIT WIRING DIAGRAMS OR APPROVAL AND PROVIDE APPROVED DIAGRAMS SO THAT THE ELECTRICAL WORK MAY BE PROPERLY ACCOMPLISHED.
- ELECTRICAL CONTROL WIRING FOR CONNECTION OF TEMPERATURE CONTROLLERS, PUSH BUTTONS, INTERLOCKS IN MOTOR CONTROLLERS, AND LIKE ITEMS SPECIFIED IN THE CONTROL SECTIONS(S) IN THIS DIVISION. FURNISH ALL EQUIPMENT WITH COMPLETE INTERNAL CONTROL WIRING
- ELECTRICAL WORK SPECIFIED IN THIS DIVISION SHALL CONFORM TO APPLICABLE PROVISIONS OF DIVISION 16. ALL CONTROL WIRING SHALL BE IN CONDUIT. PROVIDE MOTORS CONFORMING TO CHARACTERISTICS SHOWN ON ELECTRICAL

3.06 SUPPORTS FOR PIPING AND EQUIPMENT

SUPPORT FOR PIPING AND EQUIPMENT SHALL BE SUPPORTED FROM STRUCTURAL MEMBERS AND NOT FROM METAL DECK AND SLAB ASSEMBLIES.

3.07 ACCESS DOORS (ACCESS PANELS)

DRAWINGS.

- PROVIDE ACCESS REQUIRED FOR MAINTENANCE, ADJUSTMENT, REMOVAL AND REPAIR OF
- VALVES, CONTROLS, DAMPERS, EQUIPMENT AND LIKE ITEMS FURNISHED HERE-UNDER PROVIDE ACCESS DOORS CONFORMING TO REQUIREMENTS OF SECTION ACCESS DOORS (ACCESS PANELS), IN DIVISION 8, PANELS SHALL BE LOCATED TO MAKE ALL ITEMS EASILY ACCESSIBLE.

3.08 CLEAN UP

- REFER TO GENERAL CONDITIONS FOR CLEANING UP
- CLEAN ALL MATERIALS AND EQUIPMENT OF DIRT, DUST, PAINT, SPOTS AND STAINS, SOIL MARKS AND OTHER FOREIGN MATTER

3.09 FINAL INSPECTION

- A. NOTICE TO THE ARCHITECT-ENGINEER THAT THE WORK IS READY FOR FINAL INSPECTION. THE CONTRACTOR SHALL
 - 1. SUBMIT TEST AND BALANCE REPORT AND COMPLETE REQUIREMENTS AS
 - 2. SUBMIT LETTER FROM CONTROL MANUFACTURER CERTIFYING THAT CONTROLS HAVE BEEN CHECKED FOR OPERATION AND CALIBRATION, AND THAT SYSTEM IS OPERATING AS INTENDED.
- CONTRACTOR SHALL FURNISH NECESSARY MECHANICS TO OPERATE SYSTEM, MAKE NECESSARY ADJUSTMENTS AND ASSIST WITH FINAL INSPECTION
- THE CONTRACTOR SHALL INCLUDE THE COST OF THE SERVICES OF QUALIFIES INSTRUCTOR(S) TO INSTRUCT THE OWNER'S OPERATING PERSONNEL IN THE OPERATION,
- ADJUSTMENT, CARE AND MAINTENANCE OF ALL HVAC EQUIPMENT AND SYSTEMS INSTRUCTION SHALL BE PERFORMED AT A TIME APPROVED BY THE OWNER AND AFTER ALL HVAC EQUIPMENT AND SYSTEMS ARE INSTALLED, COMPLETE, ADJUSTED AND OPERATING TO SPECIFIED REQUIREMENTS. CONTRACTOR SHALL NOTIFY THE ARCHITECT-ENGINEER WHEN INSTRUCTIONS WILL BE GIVEN.
- QUALIFICATIONS OF INSTRUCTORS SHALL BE SUBJECT TO APPROVAL OF THE OWNER AND EQUIPMENT MANUFACTURER.
- ADDITIONAL REQUIREMENTS CONCERNING OPERATION AND MAINTENANCE OF MECHANICAL EQUIPMENT AND SYSTEMS MAY BE SPECIFIED IN OTHER SECTIONS.
- TWO COPIES OF ACKNOWLEDGMENT OF ALL REQUIRED INSTRUCTIONS TO OWNERS OPERATING PERSONNEL, SIGNED BY THE OWNER OR HIS AUTHORIZED REPRESENTATIVE, SHALL BE SUBMITTED TO THE ARCHITECT-ENGINEER PRIOR TO SUBMITTING APPLICATION FOR FINAL PAYMENT. AN ADDITIONAL COPY OF THIS ACKNOWLEDGMENT IS REQUIRED IN EACH COPY OF OPERATION AND MAINTENANCE MANUALS REQUIRED IN THE SECTION, **OPERATION AND MAINTENANCE MANUALS**

15005 OPERATION AND MAINTENANCE MANUALS

PART 1 - GENERAL

FURNISH THREE COPIES OF COMPLETE OPERATION AND MAINTENANCE MANUALS TO THE ARCHITECT-ENGINEER FOR APPROVAL AND FOR THE OWNER, ON ALL EQUIPMENT AND SYSTEMS. THE MANUALS SHALL BE BOUND IN HARD BACK, THREE RING LOOSE LEAF **BINDERS**

PART 2 - PRODUCTS

2.01 MANUAL CONTENTS

- A. TITLE SHEET WITH JOB NAME, AND THE NAMES, ADDRESSES AND PHONE NUMBERS OF THE CONTRACTOR, SUBCONTRACTOR, CONTROL SUBCONTRACTOR, RELATED CONTRACTORS AND MATERIAL AND EQUIPMENT SUPPLIERS.
- TABLE OF CONTENTS A COPY OF ACKNOWLEDGMENT OF INSTRUCTION TO THE OWNERS OPERATING PERSONNEL IN THE OPERATION OF ALL MECHANICAL EQUIPMENT AND SYSTEMS, SIGNED BY THE OWNER OF HIS AUTHORIZED REPRESENTATIVE
- TYPEWRITTEN OPERATING INSTRUCTIONS FOR THE OWNERS PERSONNEL DESCRIBING HOW TO STOP AND START EACH PIECE OF EQUIPMENT; HOW TO SET THE TEMPERATURE CONTROL SYSTEM FOR NORMAL OPERATION AND NORMAL RESTARTING PROCEDURES. CAUTION AND WARNING NOTICES.
- APPROVED SHOP DRAWINGS, PRODUCT DATA AND PARTS AND MAINTENANCE BOOKLET FOR EACH ITEM OF MATERIAL AND EQUIPMENT FURNISHED UNDER DIVISION 15000
- RECORD DRAWINGS OF ALL SYSTEMS INCLUDING ELECTRICAL AND CONTROL DIAGRAM
- TEST AND BALANCE REPORT COPIES OF CERTIFICATION OF INSPECTION
- **GUARANTEES, INCLUDING EXTENDED GUARANTEES**

PART 3 - EXECUTION

DELIVER THE MANUALS TO THE OWNER PRIOR TO SUBMITTING APPLICATION FOR FINAL PAYMENT

15305 DUCTWORK, LOW PRESSURE, GALVANIZED STEEL

PART 1 - GENERAL

1.01 QUALITY ASSURANCE

DUCTS SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH "HVAC DUCT CONSTRUCTION STANDARDS" PUBLISHED BY SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION, INC. (SMACNA)

1.02 JOB CONDITIONS

INSPECT THE DRAWINGS AND VERIFY EXISTING CONDITIONS IN THE FIELD. REPORT CONFLICTS BEFORE STARTING FABRICATION

PART 2 - PRODUCTS

2.01 DUCT MATERIAL

WEIGHTS AND GAGES SHALL BE IN ACCORDANCE WITH TABLE 1 OF "HVAC DUCT CONSTRUCTION STANDARDS" PUBLISHED BY SMACNA. DUCT MATERIAL SHALL BE GALVANIZED STEEL

2.02 SPLITTERS

SPLITTERS SHALL BE 18 GAGE GALVANIZED STEEL WITH HORIZONTAL AND VERTICAL DIMENSIONS SUFFICIENT TO CLOSE OFF AIR TO BRANCH. PROVIDE VENTLOCK NO. 607 END BEARINGS AND VENTLOCK NO. 690 DAMPER ASSEMBLY

2.03 VOLUME DAMPERS

- VOLUME DAMPERS SHALL BE18 GAGE STEEL: SINGLE BLADE UP TO 8"x8". OPPOSED BLADE ON ALL DUCTS OVER 8"x8"
- PROVIDE VENTLOCK NO. 607 END BEARINGS AND VENTLOCK NO. 614 SELF LOCKING
- DAMPER RODS SHALL BE 1/2" SQUARE BARS WITH BLADES SECURELY RIVETED TO BAR

2.04 TURNING VALVES

A. ALL SQUARE AND RECTANGULAR ELBOWS SHALL CONTAIN TITUS NO. AG-225 TURNING

2.05 HANGERS

A. IN ACCORDANCE WITH CHAPTER IV OF SMACNA

2.06 FLEXIBLE CONNECTIONS

- A. FLEXIBLE CONNECTIONS SHALL BE PROVIDED FOR EACH AIR HANDLING DEVICE TO
- PREVENT TRANSMISSION OF VIBRATIONS MAKE FLEXIBLE CONNECTION A MINIMUM OF 4 INCHES WIDE OF VENTGLASS AS MADE BY VENTFABRICS, INC.
- BRAIDED COPPER BRIDGE STRAP FOR INSTALLATION ACROSS FLEXIBLE CONNECTIONS SHALL BE THOMPSON LIGHTING PROTECTION, INC NO. 288

PART 3 EXECUTION

3.01 INSTALLATION

- GENERAL: SPLIT, DIVIDE OR TURN DUCTS AS NECESSARY TO AVOID OBSTRUCTIONS AND, IN SUCH CASES, PROVIDE AIR STREAM DEFLECTORS AND INCREASE SIZE OF DUCT TO AN **EQUIVALENT AREA**
- SPLITTERS: RIGIDLY ATTACH SPLITTERS TO PIVOT ROD AND OPERATING LINKAGE. SET DAMPER ASSEMBLY ON RAISED INSULATED BASE ON INSULATED DUCTWORK
- VOLUME DAMPERS: SUPPLY AND MAKE UP AIR DUCTWORK IN CONCEALED SPACES. SET REGULATOR ON RAISED BASE ON INSULATED DUCTWORK. MARK END OF DAMPER ROD TO SHOW DAMPER POSITION
- FLEXIBLE CONNECTIONS: SECURE FLEXIBLE CONNECTIONS TO DUCT AND UNIT WITH GALVANIZED STEEL STRAPS HOLDING THE MATERIAL IN FORMED GALVANIZED STEEL CHANNELS. INSTALL BRAIDED COPPER BRIDGES STRAP ACROSS ALL FLEXIBLE CONNECTIONS.
- TEST PLUGS: PROVIDE SQUARE HEAD TYPE TEST PLUGS AS REQUIRED FOR INSERTION OF TEST APPARATUS. PROVIDE A RING AND A REMOVABLE INSULATION PLUG WHERE DUCTS ARE INSULATED
- PAINTING: PAINT INTERIOR OF DUCTWORK FLAT BLACK WHERE VISIBLE THROUGH GRILLES AND REGISTERS.

SEALING: DUCTWORK SHALL BE SEALED IN ACCORDANCE WITH TABLE 1-2 FOR "SEAL CLASS"

REMOVE ALL DUCTWORK FOUND TO VIBRATE, CHATTER OR PULSATE AND REPLACE WITH NEW DUCTWORK.

15319 DUCTWORK, LOW PRESSURE, FLEXIBLE

1.01 DESCRIPTION

PROVIDE WHERE INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN, FACTORY FABRICATED AND PRE-INSULATED FLEXIBLE DUCTS.

1.02 QUALITY ASSURANCE

- FLEXIBLE DUCTS INCLUDING INSULATION AND SEALANTS, SHALL CONFORM TO THE REQUIREMENTS OF NFPA 90A AND UL STANDARD 181 FOR CLASS 1 DUCTS
- PERFORMANCE DATA SHALL BE BASED ON TEST PERFORMED IN ACCORDANCE WITH AIR DIFFUSION COUNCIL FLEXIBLE AIR DUCT TEST CODE FD72

8605 Santa Monica Blvd Ste 63454 West Hollywood, CA 90069 951-902-6600 info@winstoneng.com

www.winstoneng.com



PROJECT NAME

BEHAVIORAL **HEALTH CLINIC** REMODEL

COMMERCIAL

PROJECT ADDRESS

120 N. 8TH STREET **EL CENTRO** CA 92243

PROJECT #: 481-1

REVISION SCHED	ULE
ISSUE	DATE
↑ INITIAL SUBMITTAL	11-7-2022

HEALTH CLINIC

MECHANICAL SPECIFICATIONS

Copy Protection

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ALL PROPRIETARY PRODUCTS/ SPECIFICATIONS SHALL INCLUDE THE FOLLOWING "APPROVED EQUAL OR BETTER" STATEMENT.

1.03 SUBMITTALS

A. SUBMIT SHOP DRAWINGS AND MANUFACTURERS PRODUCT DATA INCLUDE COMPLETE ENGINEERING AND TEST DATA AND CLEARLY INDICATE ALL CONSTRUCTION FEATURES AND ACCESSORY ITEMS

PART 2 - PRODUCTS

2.01 LOW PRESSURE FLEXIBLE DUCTWORK

- A. LOW PRESSURE FLEXIBLE DUCTWORK SHALL CONSIST OF CORROSION RESISTANT SPRING STEEL HELIX BONDED TO A GLASS REINFORCED NEOPRENE SLEEVE INSULATED WITH A MINIMUM OF 1" THICK. 1LB DENSITY FIBERGLASS INSULATION WHICH IN TURN COVERED WITH AN OUTER VAPOR BARRIER OF FIBER REINFORCED FOIL SCRIM-KRAFT LAMINATE.
- WITH AN OUTER VAPOR BARRIER OF FIBER REINFORCED FOIL SCRIM-KRAFT LAMINATE.

 B. INSULATION SHALL HAVE A TERMINAL CONDUCTIVITY (K) NO GREATER THAN 0.25 AT 75

 DEGREES F.
- C. DUCT FOR LOW VELOCITY SYSTEM CONNECTORS SHALL HAVE A WORKING PRESSURE OF NOT LESS THAN 1-1/2" OF WATER GAGE AND A MAXIMUM OPERATING TEMPERATURE OF NOT LESS THAN 250 DEGREES F.

2.02 DUCT CONNECTORS

A. WHERE FLEXIBLE DUCTS CONNECT TO LOW PRESSURE DUCTS TO FORM RUNOUTS TO INDIVIDUAL OUTLETS, PLENUMS OR LOW PRESSURE TERMINALS, PROVIDE FACTORY FABRICATED FITTINGS COMPLETE WITH AND MANUALS BALANCING DAMPERS HAVING LOCKING QUADRANTS WHERE LOW PRESSURE DUCTS ARE INTERNALLY INSULATED THE CONNECTOR SHALL BE FURNISHED WITH AIR EXTENSION TO PROJECT THROUGH AND PROTECT THE INSULATION. FOR CONNECTION TO EQUIPMENT, AUXILIARY SLEEVES SHALL BE PROVIDED TO ALLOW AT LEAST 2 INCHES OF SURFACE FOR CLAMPING OF FLEXIBLE DUCTWORK. SLEEVES SHALL BE SCREWED OR BOLTED TO EQUIPMENT LIP FRAME.

2.03 CLAMPS

A. PROVIDE GALVANIZED SPRING STEEL CLAMPS OR PANDUIT STRAPS AT CONNECTION TO DUCT FITTINGS OR DEVICES.

2.04 MANUFACTURER

A. FLEXIBLE DUCTWORK AND COMPONENTS SHALL BE AS MANUFACTURED BY GENERAL ENVIRONMENTAL CORPORATION OR APPROVED EQUAL

PART 3 - EXECUTION

3.01 INSTALLATION

- A. INSTALL DUCT CONNECTORS TO LOW PRESSURE DUCTS USING MANUFACTURER TEMPLATE FOR ALL HOLES AND SECURE THE CONNECTOR WITH SHEET METAL SCREWS HAVING FIRST APPLIED FOSTERS 30-02 DUCT SEALANT TO THE ADJOINING SURFACES. DO NOT PRESSURIZE THE SYSTEM FOR 48 HOURS.
- B. STRETCH NEW DUCT WHEN REMOVING IT FROM CARTONS WHERE IT MAY HAVE BEEN SHIPPED IN A COMPRESSED STATE.
- C. USE THE MINIMUM LENGTH OF FLEXIBLE DUCT REQUIRED TO MAKE THE SPECIFIC CONNECTION UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. THE MAXIMUM
- DEVELOPED LENGTH OF FLEX DUCT IS 8'-0"

 D. AVOID SHARP BENDS. USE MINIMUM INSIDE BEND RADIUS EQUAL TO 1/2 THE INSIDE DIAMETER OF THE DUCT.
- E. SUPPORT HORIZONTAL DUCT RUNS WITH HANGERS MAXIMUM OF 3'-0" ON CENTER. USE 3/4
 INCH OR WIDER GALVANIZED STRAP HANGER MATERIAL
- F. ALLOW THE FLEXIBLE DUCT TO EXTEND STRAIGHT AWAY FROM CONNECTORS FOR A FEW INCHES PRIOR TO INITIATING ALL BENDS
- G. MAKE ALL CONNECTIONS OF FLEXIBLE DUCT TO RIGID DUCT OR TERMINALS AS FOLLOWS:
 1. APPLY FOSTERS 30-02 SEALANT TO THE INSIDE OF THE FLEXIBLE DUCT TO DEPTH OF
- 3 INCHES
 2. SLIDE THE FLEXIBLE DUCT OVER THE CONNECTOR AND WRAP WITH MINIMUM OF TWO REVOLUTIONS OF REINFORCED FOIL DUCT TAPE STARTING ABOUT TWO INCHES BACK
- 3. PLACE A CLAMP OR STRAP OVER THE TAPED END AND SECURE FIRMLY

FROM END OF FLEXIBLE DUCT AND SEALING OVERLAP WITH LAST STRAP.

4. REPAIR ALL DAMAGE TO VAPOR BARRIER WITH FOSTERS 35-00 REINFORCED WITH 4 INCH WIDE GLASS FABRIC AND A SECOND COAT OF FOSTERS 35-00

15450 AIR DISTRIBUTION EQUIPMENT

PART 1 - GENERAL

1.01 DESCRIPTION

- A. AIR DISTRIBUTION DEVICES SHALL BE PROVIDED TO DELIVER THE INDICATED VOLUME OF SUPPLY AIR WITHOUT EXCEEDING THE AVAILABLE THROW AND NC RATING AS FOLLOWS:

 1. KITCHEN: NC-35
 - 2. DINING, ASSEMBLY, LOBBY, OFFICES: NC-30

1.02 SUBMITTALS

A. SHOP DRAWINGS: INDICATE LOCATIONS, SPACING AIR VOLUME AND TYPE OF EACH DEVICE B. PRODUCT DATA: MANUFACTURERS CATALOG CUTS AND PRODUCT DESCRIPTION INCLUDING AIR QUANTITY, PATTER, THROW, PRESSURE DROP, NC RATINGS, FINISH, DIMENSIONS AND COMPLETE CONSTRUCTION DETAILS AND MATERIALS.

PART 2 - PRODUCTS

2.01 DIFFUSERS GRILLES AND REGISTERS

- A. DIFFUSERS, GRILLES, AND REGISTERS SHALL BE AS MANUFACTURED BY TITUS, ANEMOSTAT, KRUEGER OR APPROVED EQUAL.
- B. FOR MODEL NUMBERS AND TYPES SEE AIR DISTRIBUTION SCHEDULE ON DRAWING
- DIFFUSERS, GRILLES, AND REGISTERS SHALL BE OF THE SURFACE, FLUSH OR LAY IN TYPE CORRESPONDING TO THE TYPE OF CEILING IN WHICH THEY ARE LOCATED
- D. INTERIOR OF DIFFUSERS, GRILLE, OR REGISTER FACE PANEL SHALL BE BAKED ENAMEL, OFF WHITE COLOR.

2.02 MOUNTING SCREWS

A. WHERE MOUNTING SCREWS ARE REQUIRED IN AIR DISTRIBUTION DEVICES, THEY SHALL BE FINISHED TO MATCH THE ADJACENT SURFACE OF THE DEVICES

2.03 GASKETS

A. SUPPLY AND RETURN GRILLES AND REGISTERS WHICH ARE SURFACE MOUNTED SHALL BE PROVIDED WITH SPONGE RUBBER GASKETED FRAMES TO PREVENT SMUDGING

PART - 3 EXECUTION

3.01 INSTALLATION

- A. INSTALL WHERE SHOWN ON DRAWINGSB. DIFFUSERS, REGISTERS, AND FITTINGS SHALL BE SECURELY ATTACHED TO FINISH
- SURFACES, OR STRUCTURAL MEMBERS BEHIND FINISH SURFACES.
- C. LAY-IN DIFFUSERS MOUNTED IN ACOUSTICAL TILE CEILINGS SHALL BE RIGIDLY MOUNTED, ABOVE THE FACE PANEL, TO THE CEILING SUSPENSION SYSTEM

15802 HVAC INSULATION GENERAL

PART 1 - GENERAL

1.01 DESCRIPTION

A. THIS SECTION GOVERNS ALL HVAC INSULATION

1.02 SUBMITTALS

A. SUBMIT PRODUCT DATA COVERING THERMAL, PERMEABILITY AND FIRE PERFORMANCE CHARACTERISTICS OF ALL INSULATION MATERIAL, ADHESIVES AND FINISHES. DATA SHALL BE CLEARLY MARKED TO HOW INTENDED USE, THICKNESS, FINISHES, ADHESIVES AND APPLICATION TECHNIQUES.

PART 2 - EXECUTION

2.01 INSTALLATION

- A. INSULATION

 A. INSULATION SHALL NOT BE INSTALLED UNTIL TESTING PROCEDURES HAVE BEEN COMPLIED WITH ALL SURFACES AND HAVE BEEN CLEANED FREE OF DIRT AND GREASE AND ARE
- B. PROTECT ADJACENT SURFACES, EQUIPMENT AND PREMISES FROM DROPPING OF COATINGS ADHESIVES AND FINISHES
- C. REMOVE ALL EXCESS MATERIALS AND DEBRIS FROM BOTH EXPOSED AND CONCEALED AREAS SO THAT THESE AREAS ARE COMPLETELY CLEAN.

15841 INSULATION, LOW PRESSURE DUCT

PART 1 - GENERAL

1 01 DESCRIPTION

- A. ALL LOW PRESSURE DUCT SYSTEMS, 2 INCHES WATER GAGE OR LESS, SHALL BE INSULATED
- B. ALL APPLICABLE REQUIREMENTS OF THE SECTION HVAC INSULATION, GENERAL, SHALL APPLY TO THIS SECTION

1.02 EQUIVALENT MATERIALS

A. MATERIALS OTHER THAN THOSE SPECIFIED WILL BE CONSIDERED FOR APPROVAL EQUAL

PART 2 - PRODUCTS

2.01 INSULATION

A. EXTERNAL INSULATION SHALL BE 1-1/2" THICK, 2.0LB DENSITY, (K=.125), SCHULLER TYPE S MALLETTE, FSK SPIN GLASS OR APPROVED EQUAL WITH EMBOSSED ALUMINUM FOIL FACING

2.02 ADHESIVES, MASTIC, SEALANTS

- A. ADHESIVES, MASTIC, SEALANTS

 A. ADHESIVE SHALL BE FOSTERS 85-20. STUD WELD PINS SHALL BE SEALED WITH FOSTERS
- 30-36 ADHESIVE
- B. WIDE GLASS FABRIC

PART 3 - EXECUTION

3.01 INSTALLATION

- A. ALL SUPPLY AND RETURN AIR DUCTWORK
- B. AIR SUPPLY DIFFUSER BACKS AND NECKS:
 - 1. ALL AIR SUPPLY DIFFUSERS BACKS AND NECKS SHALL BE INSULATED WITH 1/2" THICK, 3/4LB DENSITY, MANVILLE R-SERIES SMALLITE, OR APPROVED EQUAL FIBERGLASS BLANKET INSULATION. HAVING A CONDUCTANCE (K) NO GREATER THAN .31. ADHERE INSULATION TO THE DUCT AS SPECIFIED BELOW.

15885 CONTROLS, ELECTRIC

PART 1 - GENERAL

1.01 DESCRIPTION

A.THE WORK CONSISTS OF INSTALLING CONTROLS FOR THE HVAC SYSTEM AS ON THE DRAWINGS.

1.02 SUBMITTALS

A. PROVIDE SUBMITTAL CONSISTING OF COMPLETE CONTROL DIAGRAMS FOR THE SYSTEM WITH CONSTRUCTION DETAILS AND ENGINEERING DATA SHEETS ON ALL SYSTEM. COMPONENTS

1.03 ELECTRICAL

- A. ELECTRICAL WORK AND MATERIALS ASSOCIATED WITH THE CONTROL SYSTEM SHALL BE INSTALLED AS WORK OF THIS SECTION BUT IN ACCORDANCE WITH DIVISION 16.
- B. POWER WIRING IS SPECIFIED UNDER DIVISION 16 AND SHOWN ON ELECTRICAL DRAWINGS.
- C. ELECTRICAL CONTROL WIRING CONDUIT AND FITTINGS ASSOCIATED WITH THE SPACE TEMPERATURE AND HUMIDITY CONTROL INCLUDING INTERLOCKING WITH MOTOR CONTROLLERS, CONTROL ACCESSORIES AND APPURTENANCES ARE TO BE PROVIDE UNDER THIS SECTION. CONTROL WIRING SHALL BE IN CONDUIT.

PART 2 - PRODUCTS

2.01 ELECTRIC THERMOSTATS

- A. THERMOSTAT SHALL BE HONEYWELL, CARRIER, LENNOX AS OR SPECIFIED IN THE DRAWINGS.
- B. THERMOSTAT SHALL HAVE MANUAL HEATING COOLING CHANGEOVER SWITCH TO CONTROL OPERATION OF THE HEATING AND COOLING ON ALL AIR CONDITIONING UNITS.
- C. THERMOSTATS SHALL HAVE LOCKABLE COVERS SECTION 15990 TESTING, ADJUSTING AND BALANCING.

2.02 SMOKE DETECTION FAN SHUT DOWN

- A. SMOKE DETECTOR SHALL BE AS SPECIFIED IN THE DRAWINGS OR AN APPROVED EQUAL AS REQUIRED.
- B. REMOTE ALARM INDICATOR FOR DUCT MOUNTED SMOKE DETECTOR SHALL BE SPECIFIED IN THE DRAWINGS.
- C. SMOKE DETECTOR SHALL BE POWERED AS SPECIFIED IN DRAWINGS OR AS REQUIRED

PART 3 - EXECUTION

3.01 ELECTRIC ROOM THERMOSTATS

A. SHALL BE ALL MOUNTED AND INSTALLED ON A COMMON BASE PLATE.

15890 TESTING, ADJUSTING, AND BALANCING

1.01 SPECIAL NOTICE

- A. EACH CONTRACTOR SHALL READ ALL RELEVANT DOCUMENTS, BECOME FAMILIAR WITH THE JOB, SCOPE OF WORK, TYPE OF GENERAL CONSTRUCTION AND THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. EACH CONTRACTOR SHALL ALSO FAMILIARIZE HIMSELF WITH THE PURPOSE FOR WHICH THESE DOCUMENTS HAVE BEEN PREPARED SHALL BECOME COGNIZANT OF ALL THE DETAILS
- INVOLVED. EACH CONTRACTORS SHALL COORDINATE HIS WORK WITH THAT OF OTHERS.

 B. THE TERM "CONTRACTOR" USED IN THIS SECTION OF THE SPECIFICATION, IT SHALL MEAN
- THE CONTRACTOR USED IN THIS SECTION OF THE SPECIFICATION, IT SHALL WEAR
- WHEN THE TERM "ENGINEER" IS USED IN THIS SECTION OF THE SPECIFICATION, IT SHALL MEAN THE CONSULTING MECHANICAL ENGINEER

1.02 START UP TEXT AND ADJUSTMENT

- THE PURPOSE OF STARTUP, TESTING AND ADJUSTING THIS EQUIPMENT IS TO OUT IT INTO FINAL OPERATING CONDITION FOR THE OWNERS USE AND BENEFIT. ALL TESTS OF EQUIPMENT AND SYSTEMS REQUIRED TO PROVE COMPLIANCE WITH THE DRAWINGS AND SPECIFICATION SHALL BE PERFORMED IN THE PRESENCE OF THE OWNERS REPRESENTATIVE. OWNERS REPRESENTATIVE SHALL HAVE MADE COMPLETELY FAMILIAR WITH THE COMPLETE WORKING OF ALL MECHANICAL SYSTEMS
- THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR THE HVAC TEST & BALANCE, WHICH MUST BE PERFORMED BY AN INDEPENDENT TESTING AND AIR BALANCE CONSULTANT, A CERTIFIED AABC OR NEBB. THE GENERAL CONTRACTOR SHALL SCHEDULE A TENTATIVE MINIMUM OF 4 WEEKS AND THIS WORK SHALL BE PERFORMED AFTER THE HVAC SYSTEM STARTUP IS COMPLETED. ALSO, GAS AND ELECTRIC POWER MUST BE TURNED ON, COOKING EQUIPMENT OPERATIONAL (IF ANY), ALL DOORS AND WINDOWS INSTALLED, AND CEILING FILES IN PLACE PRIOR TO THE TEST AND AIR BALANCE
- THE TEST AND BALANCE COVERS ALL HEATING AND AIR CONDITIONING, AND EXHAUST VENTILATION SYSTEMS, A CERTIFIED REPORT SHALL BE SUBMITTED TO THE GENERAL CONTRACTOR AND A COPY TO OWNER WITHIN 2 WEEKS OF COMPLETION

1.03 THE TEST AND AIR BALANCE SHALL BE IN ACCORDANCE WITH THE FOLLOWING CHECKLIST 1.03.1 GENERAL

- A. INQUIRE ABOUT ANY PROBLEMS OR COMPLAINTS
- B. COMPARE MECHANICAL PLANS TO INSTALLED SYSTEM
 C. DOCUMENT DESIGN SPECIFICATIONS FOR REPORT
- D. ENSURE ALL FANS ARE RUNNING FOR BALANCE E. MEASURE INITIAL BUILDING PRESSURE.
- 1.03.2 INSPECT HVAC EQUIPMENT, ROOFTOP, ATTIC, OR FLOOR MOUNTED EQUIPMENT
- A. INSPECT UNITS AND NOTE ANY DEFICIENCIES
- B. RECORD UNIT NAMEPLATE DATA
 C. CHECK THERMOSTATS FOR PROPER SETTINGS
- D. CHECK FOR CORRECT FAN ROTATION (INCLUDE CONDENSER FANS)
- E. CHECK CONDITIONS OF FILTERS AND COILS
- F. CHECK POSITION OF OUTSIDE AIR DAMPERS
- G. CHECK GAS LINES AND CONDENSATE LINES
- H. CHECK BELT TENSION AND PULLEY ALIGNMENT
 I. CHECK DISCONNECT SWITCHES AND COVERS
- J. CHECK ANY FAN NOISE & VIBRATION
 K. CHECK HEAT/COOL MODES OF A/C, RTUs
- 1.03.3 TEST AND BALANCE KITCHEN HOOD SYSTEM (WHERE APPLICABLE)
 - A. MEASURE SUPPLY AND EXHAUST FPM IN HOODS
 - B. OBSERVE HOOD SMOKE CAPTURE WITH EQUIPMENT ON C. ADJUST SUPPLY AND EXHAUST RPM AND DAMPER SA, AS REQUIRED
 - D. NOTE ADJUSTMENTS MADE ON PULLEYS
- E. MEASURE FINAL RPMs
 F. EVALUATE DUCT SYSTEM DESIGN AND INSTALLATION
- G. ENSURE THAT FINAL SMOKE TESTS ARE SATISFACTORY
- 1.03.4 TEST AND BALANCE HEATING/COOLING SYSTEM
- A. MEASURE RTU/AC SUPPLY AND RETURN AIRFLOW
- B. CHECK FOR DRAFTS, HOT/COLD SPOTS
- C. ADJUST RPM AS NECESSARY TO ACHIEVE DESIGN
- D. CHECK ACTUAL AMPS VERSUS MOTOR FLA
 E. NOTE ADJUSTMENTS MADE ON PULLEYS
- F. MEASURE FINAL RPMS
- G. DAMPER AT BRANCH T/OS FIRST AND AT DIFFUSERS SECOND
- H. EVALUATE DUCT SYSTEM DESIGN AND INSTALLATION
 I. ENSURE SLIGHTLY POSITIVE BUILDING PRESSURE
- J. FINE TUNE POSITION OF OA DAMPER K. MEASURE FINAL BUILDING PRESSURE

4.04.510101.051/1510/

- 1.04 FINAL REVIEW
 - A. REVIEW REPORT AND DATA FOR COMPLETENESSB. DISCUSS RESULTS AND FINDINGS WITH SUPERINTENDENT
 - C. AIR QUALITIES SHALL BE BALANCED TO WITHIN + 10% OF DESIGN AS A GENERAL RULE. HOWEVER, IN SOME CASES THE AIR QUANTITIES MAY NEED TO BE ADJUSTED DIFFERENTLY IN ORDER TO ENSURE ACCEPTABLE COMFORT LEVELS, HOOD CAPTURE PERFORMANCE, POSITIVE BUILDING PRESSURE, ETC. MELINK SHALL NOTIFY THE SUPERINTENDENT OF ANY DEFICIENCIES NEEDING IMMEDIATE ATTENTION. THE GC SHALL HAVE THE MECHANICAL AND ELECTRICAL CONTRACTORS ON CALL TO PROMPTLY CORRECT ANY SUCH PROBLEMS. IN THE EVENT MELINK NEEDS TO RESCHEDULE A FOLLOW UP VISIT TO TEST AND BALANCE EQUIPMENT NOT READY ON THE ORIGINALLY SCHEDULED T&B DATE, THE GC SHALL PAY
 - FOR THE ACCIDENTAL COST INVOLVED, INCLUDING TRAVEL.

 D. ALL DATA REQUIRED BY THESE SPECIFICATIONS SHALL BE TYPED ON WHITE BOND PAPER IN TRIPLICATE AND SUBMITTED TO OWNER'S REPRESENTATIVE FOR APPROVAL. COMPLETE APPROVAL WILL BE NECESSARY BEFORE FINAL PAYMENT CAN BE MADE. THE CONTRACTOR SHALL THEN MAKE AVAILABLE SUCH INSTRUMENTS AS REQUIRED FOR SPOT CHECKS ON THE SYSTEM.

WINSTON ENGINEERING INC

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www.winstoneng.com



PROJECT NAME:

BEHAVIORAL HEALTH CLINIC REMODEL

COMMERCIAL

PROJECT ADDRESS

120 N. 8TH STREET, EL CENTRO, CA 92243

PROJECT #: 481-1

	REVISION SCHED	ULE
Δ	ISSUE	DATE
△ INITI	AL SUBMITTAL SUBMITTAL	- 11-7-202

HEALTH CLINIC

M3.1

MECHANICAL SPECIFICATIONS

Copy Protection

These drawings and specifications, and ideas, designs and arrangements represented are and shall remain the property of the engineer. No part shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared without written consent of the engineer. Visual contact with these drawings and specifications shall constitute evidence of acceptance of these restrictions.

Submittat of documents to public agencies shall not be considered.

a walver of Engineer.

ALL PROPRIETARY PRODUCTS/
SPECIFICATIONS SHALL INCLUDE THE
FOLLOWING "APPROVED EQUAL OR
BETTER" STATEMENT.

	ct Name:	Nonresident	ial Building treet El Centro 92243 8th street El Centro cibd 19x				NRCC-PRF-01-E		Page 1 of 18			
roje	ct Address:	120 N. 8th St	reet l	El Centro 92243			Calculation Date/I	Time:	13:15, Mon.	. Aug 22, 2022		
nput	File Name:	481-1 102 N	8th st	reet El Centro.c	bd 19x							
A. G	NERAL INFORMAT	TION	_									
1	Project Location (cit	ity)		El Centi	0	8	Standards Version			Compilance2019		
2	C A Zip Code			92243		9	Compliance Softwa	rare (ve	ersion)	EnergyPro 8.3		
3	Climate Zone			15		10	Weather File			IMPERIAL_747185_C	22010.epw	
4	Total Conditioned F	Floor Area In S	Соре	7,358ft	2	11	Building Orientation	on (deg	2)	(N)O deg		
5	Total Unconditioned	d Floor Area		Oft ²		12	Permitted Scope o	e of Work		ExistingAlteration		
6	Total # of Stories (H	Habitable Abo	ve Gr	ade) 1		13	Building Type(s)	Nonresidential				
7	Total # of dwelling u			0		14	Gas Type			NaturalGas		
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CA Building Energy Elliciency Standards- 2019 Nonresidential Compliance

E. HERS VERIFICATION

This Section Does Not Apply

ReportVersion: NRCC-PRF-01-E-12092021-6844

Report Generated at: 2022-08-22 13:18:45

roject Nam4:	Nonresiden	tial Building		NRCC-PRF-01	1-E	Page 4 of 18	
rojecit Address:	120 N, 81h	Street El Centro 92243		Calculation [Date/Time:	13:15, Mon, Aug 22, 2022	2
nput File Name:	481-1 102	N 8th street El Centro.clbd 19x					
4. UNMET LOAD H	OURS						
Thermal Zone	Name	Cooling Unmet Load Hour Limit for Thermal Zone	Proposed Cooling Unme	t Load Hows	. ~	nmet Load Hour Limit for Thermal Zone	Proposed Heating Unmet Load Hours
13-Interview	Room	150	0			150	4774.25
14-Telemed	icine	150	0			150	3550.25
15-Children Confer	ence Room	150	0			150	3421.75
17-Group R	oom	150	0			150	5376.75
18-Program M		150	0			150	3595
19-Manager	Office	150	0			150	4944.25
20-Supervi	sor	150	0			150	4950.75
2.2-Break R		150	0			150	1944
23-Anallyst/C	lerical	150	0			150	2338
D. EXCEPTIONAL CO	NDITIONS						
requirements are met. required.	PRESCRIPTIVE	netry Performance Modeling Approach v COMPLIANCE documentation (form NRC	C-ITI-02-E) for the require	emends of sect	lon 140.≎(d)	Automatic Galvilluting Con	istors in Secondar A Cavill Soule? 12
he user model include modeled for both the		it are designed to be served by mechanic standard cases.	al cooling systems, but the	cooling syste	ms were no	t included in the simulation	model. A cooling system has been
ho user model Includ	es space(s) wit	hour sufficient cooling equipment. Cooli	ng equipment has been as	ided to the mo	rie) to meet	cooling toads	

Report Generated at: 2022-08-22 13:18:45 CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version; NRCC-PRF-01-E-12.092021-6844

Project Name:	Nonresidential Building		NR	C-PRF-01-E	Page 7 of 18		
Project Address:	120 N. 8th Street & Centro 922	43	Cal	culation Date/Time:	13:15, Mon, Aug	22, 202 2	
nput File Name:	481-1 102 N 8th street El Centr	o.cibd19x					
G6. OVERHANG DE	TAILS						
	1	2	3		4	5	6
	Fenestration Tag/ID	Orientation	Depth(ft.)		Bottom of Sill to hang(ft)	Right Extern(ft)	left Extent(ft)
	WIndow14	South	8.0		4.6	8.0	8.0
	Window Door15	South	8.0		7.1	8.0	8.0
	Window24	South	8.0		2.1	8.0	8.0
	Window Door25	South	8,0		7.1	8.0	8.0
	Window36	South	8.0		4.6	8.0	8.0
	Window Door37	South	8.0		7.1	8.0	8.0
	Door Window48	North	8.0		7.1	8.0	8.0
	WindowSS	South	8.0		4.6	8.0	8.0
	Window Door 56	South	8.0		7.1	8,0	8.0
	Door Window61	South	8.0		7.1	8.0	8.0
	Window Door73	South	8.0		7.1	8.0	8.0
	Window74	South	8.0		4.6	8.0	8.0
	Window89	East	8.0	_ _	4.6	8.0	8.0
	Window Door90	East	8.0		7.1	8.0	8.0
	Windov/97	East	8.0		4.6	8.0	8.0
	Window Door98	East	8.0		7.1	8.0	8,0
	Window103	East	8.0		4.6	8.0	8.0
	Window Door104	East	8.0		7.1	8.0	8.0
	Window Door 131	East	8.0		7.1	8.0	8.0
	Window Door116	East	8.0		7.1	8.0	8.0
	Window117	East	8.0		4.6	8.0	8.0
	Window Door 130	East	8.0		7.1	8.0	8.0
	Window137	North	8.0		4.6	8.0	8.0
	Window Door138	North	8.0		7.1	8.0	8.0
	Window1.43	North	8.0		4.6	8.0	8.0
	Window Door144	North	8.0		7.1	8.0	8.0

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Project Name:	Nonresidential Building	NRCC-PRF-01-E		Page 2 of 18	
Project Address:	120 N. 8th Street El Centro 92243	Calculation Date	e/lime:	13:15, Mon, Aug 22, 2022	
Input File Name:	481-1 102 N 8th street El Centro.cibd19x				
C1. COMPLIANCE R	ESULTS FOR PERFORMANCE COMPONENTS (Ann	ual TDV Energy Use, kBtu/ft ²-yr)			
		COMPLIES			
	Energy Component	Standard Design (TDV)	Prop	posed Design (TDV)	Compilance Margin (TDV) ¹
Space Heating		2.72		0.26	2.46
Space Cooling		205.06		220.83	-1\$.7
Indoor Fans		168.84		13149	37.3
Heat Rejection					
Pumps & Misc.		-		-	
Domestic Hot Water		1244		3.33	9.1
Indoor Lighting		46.61		46.61	
ENERGY STAN	DARDS COMPLIANCE TOTAL	435.67		402.52	33.15 (7.6%
1 Notes: The number	er in parenthesis following the Compliance Morgin	in column 4. represents the Percent Bett	ter than	Standard.	
C2. RESULTS FOR '/	ABOVE CODE' QUALIFICATIONS				
☐ This project is purs	sulng CalGreen Tier 1		This proj	ect is pursuing CalGreen Tier 2	
	Miscellaneous Energy Component	Standard Design (TDV)	Pro	posed Design (TDV)	Compliance Margin (TDV) 1
Receptacle		115.25		115.25	
Process		85.42		85.42	
Other Lig					
Process Motors					
COMPLIANCE TOTAL	PLUS MISCELLANEOUS COMPONENTS	636.34		603.19	33.2 (5.25

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance

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Project Name:	Nonresidential Building		NRCC-PRF-01-E	Page S of 18	
Project Address:	120 N. 8th Street El Centro	92243	Calculation Date/Fime:	13:15, Mori, Aug 22,	2022
Input File Name:	481-1 102 N 8th street El C	entro.cibd19x			
G1. ENIVELOPE GEN	NERAL INFORMATION (condi	tioned spaces only)			
	1	2	3		4
Opaque Surf	aces & Orlentation	Total Gross Surface Area (ft²)	Total Fonestration Area (ft²)		Window to Wall Ratio (%)
	North-Facing 1	1,584 fe²		355 ft²	22.6%
	East-Facing ²	992 ft ²		290ft ²	29.3%
	South-Facing ¹	1,476 ft ²		365 ft²	24.79
	West-Facing ⁴	816 ft ²		120ft²	14.6%
	Total	4,868ft ²		1,129 ft²	23.2%
Roof		7,3\$8 ft ²		Oft ²	00.0%
² East-Focing is orie	ented to within 45 degrees of	of true north, including 45°00'00" east of no true east. Including 45°00'00" south of east of true south, including 45°00'00" west of so f true west, including 45°00'00" north of due	(SE), but excluding 45°00' uth (SW), but excluding 45°	'00" north of east (NE 5°00'00" east of soutl	h (SE).

1	2	3	4	S	6	7	8	9	10
Swfate Name	Surfrace Type	Area (ft²)	Framing Type	Cavity R-Value	Continuous R-Value	Units	Value	Description of Assembly Layers	Status
1-6F9	Under8roundFloor	7358	NA	0	NA	F-Factor	0.73	Slab Type • UnheatedSlabOnGrade InsulationOzientation = None Insulation R-Value = R0	Ε
R-30 Roof Attic11	Roof	391	Wood	30	NA	U-Factor	0.038	Asphalt shingles - 1/4 in. Vapor permeable felt - 1/8 in. Plywood - 1/2 in. Air - Cavity - Wall Roof Ceiling - 4 in. or more Wood framed roof, 24in. OC, 3.5in., R-30 Gypsum Board - 1/2 in.	A

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance

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Project Address:	120 N. 8th Street El Centro 922	13	Calc	ulation Date/Time:	13:15, Mon, Aug	22, 2022	
Input File Name:	481-1 102 N 8th Street El Centro	o.cibd19x					
G6, OVERHANG DE	TAILS						
	1	2	3		4	5	6
	Fenes-tration Tag/iD	Orientation	Depth(ft.)		Battom of Sill to	Right Extent(ft.)	Left Extentift
	Window149	North	8.0		4.6	8.0	8.0
	Window Door150	North	8.0		7.1	8.0	8.0
	Window163	North	8.0		4.6	8.0	8.0
	Window170	North	8.0		4.6	8.0	8.0
	Window Door171	North	8.0		7.1	8.0	8.0

1		2		3	4	5		6	7	8	9	10		11	12
							leating				Cooling				
EquipmentNav	16	Equi prnent	Type	Qty	Total Heatin Output (kGtu/h)	Supp H Outp (kBtu	ut	Efficiency Unit	Efficiency	Tota Cooli Outp (k8tu	efficiency Unit	Efficiency		dizerType (if esent)	Status*
Unit #1		PVAV (P.ackage	d3Phase)	1	103	0		СОР	3.50	96	€ER	12-6	NoEd	onoinizer	N
Unit#2		PVAV (Package	d3Phase)	1	103	0		COP	3.50	96	EER	12.6	NaEconomizer		N
Unit#3		PVAV (Package	d3Phase)	1	73	0		COP	3,50	72	EER	12.7	NoEc	onomiter	N
Storuson - Now, A - Alte	red, E-	Dietro													
HZ. FAN SYSTEMS	SUM	IMARY													_
1	2	3	4	T	5	6	7		8	9	10	11	12	13	14
		Design OA				Supply Fan						Return Fen			N N
lame or It em T ag	Qty	CFM	CFM	Mode	ling Method	Power	Powe		Control	CFM	Modeling Method	Power	Power Units	Control	Status.
		397	2700	Brake	HorsePower	1.623	bhp	p Cor	nstantVolume	NA	NA	NA	NA	NA	N
Unit #1	1														
Unit #1	1	376	2700	Brake	HorsePower	1.623	bh	Cor	nstantVolume	NA	NA	NA	NA	NA	N

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Project Address:	120 N. 8th Street El Co	entro 92243	C	alculation Date/Time	e: 13:15, Mon, Aug 22, 2	022	
Input Flie Name:	481-1 102 N 8th stree	El Centro.cibd19x					
C3, ENERGY USE SU	JMMARY						
Ene	rgy Camponent	Standard Design Site (MWh)	Proposed Design Si (MWh)	te Margin (MWh)	Standard Design Site (MBtu)	Proposed Design Sita (MBtu)	Margin (MBtu)
S	pace Heating		0.1	-0,1	9.5		9.5
S	pace Cooling	42.3	49.2	.6.9	-	-	
	IndoorFans	42.5	35.1	7.4			-
H	leat Rejection	(44)	16	-	0-0		-
Р	umps & Misc.		-	-		-	-
Oon	nestic Hot Water	3.2	(4)	3.2	-	13.5	-13.5
lr	ndoor Lighting	11.9	11.9	0.0	<u>-</u>		->
Co	mpliance Total	99.9	96.3	3.6	9.5	13-5	-4.0
	Receptade	29.2	29.2	0.0	1.9	1.9	0.0
	Process	21.9	21.9	0.0	**	171	-
	Other Lig				=	-	-
P	rocess Matais	-	-	- "	-	-	-
	TOTAL	151.0	147.4	3.6	11.4	15.4	-4.0

UNMET LOAD HOURS	The second secon		Heating Unmet Load Hour Limit for	
Thermal Zone Name	Cooling Unmet Load Hour Umit for Thermal Zone	Proposed Cooling Unmet Load Hours	Thermal Zone	Proposed Heating Unmet Load Hours
1-Lobby + Bathrooms	150	0	150	2298.25
2-Reception & Clinical Offi	150	0	150	2696.75
3-2 Clinical/Super	150	0	150	2031.5
4-Medical Records	150	0	150	5618.75
6-Doc/Nurse/Janitor Office	150	0	150	3400.5
7-Nurse	150	0	150	4747.25
8-Interview Room	150	0	150	5170.5
9-DoctorOffice	150	0	150	3317
12-Chrician	150	0	150	3744
12-Case Manager	150	0	150	2185.25

CA 8uilding Energy Efficiency Standards- 2019 Nonresidential Compilance

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Project Nam4:	Nonresidential Building	NRCC-PRF-01-E	Page 6 o f 18	
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Input File Name:	481-1 102 N 8th street El Centro,cibd19x			

1	2	3	4	5	6	7	8	9	10
Surface Name	Surface Type	Area (ft²)	Framing Type	Covity R-Value	Continuous R-Value	Units	Value	Description of Assembly Layers	Status ³
R-13 Wall Edsting13	ExteriorWall	4868	Wood	13	NA	U-Factor	0.102	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Wood framed wall, 16in. OC, 3.5in R-13 Gypsum Board - 1/2 in.	Ε
R-38 IIP Attic22	Roof	6967	Wood	38	18	U-Factor	0.019	Asphalt shingles - 1/4 in. Vapor permeable fett - 1/8 in. Plywood - 1/2 in. Glass fiber batt - 5 1/2 in. R19 (CEC Default) Air - Cavity - Wall Roof Ceiling - 4 in. or more Wood framed roof, 24in. OC, 3.5in., R-38 Gypsum Board - 1/2 in.	A

1 Status: N - New, A - Altered, E - Existing

1	2	3	4	5	6	7	8	9
Fenestration Assembly Name / Tag or I.D.	Fenestration Type / Product Type / Frame Type	Certification Method ¹	Assembly Method	Are aft ²	Overall U-factor	Overall SHGC	Overali	Status,
Metal Double Glazing	VerticalFenestration FixedWindow N/A	NFRCRated	SiteBuilt	1129	0.30	0.23	0.50	N

1 Newly installed finestration shall have a certified MFRC Label Certificate or use the CECOSPOSA nobles found in Table 110. of verification. Site-built finestration values are administed per Novemberson Appendix NAG and are used to the analysis. 2 Scotta: N - New A - Altered, E - Brushing

CA Building Energy Efficiency Standards - 2019 Nonresidential Compilance

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Input File Name:		481-1 102 N 8t	h street El	Centro.cibd 19x									
H2. FAN SYSTEMS	SUM	MARY											
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		DesignOA			SupplyFan					RetumFan			S
Name or Item Tag	Qty	CFM	CFM	Modeling Method	Power	Power Units	Control	CFM	Modeling Method	Power	Power	Control	Tus.

1	2	3	4	5	6	7	8
System ID	Zone Name	Qty	CFM	Motor8HP	Power PerFlow (W/cfm)	Total Static Pressure (in. H ₃ O)	Status
Lobby+ Bathrooms3	1-Lobby + Bathrooms	1	140	0.002	0.014	0.07	N
Reception & Clinical Offi19	2-Reception & Clinical Offi	1	30	0.002	0.067	0.32	N
2 Olnical/Super28	3-2 Clinical/Super	1	30	0.002	0.067	0.32	И
Medical Records38	4-Medical Records	1	30	0.002	0.067	0,32	N
Corridor43	5-Corridor	1	30	0.057	1.666	7.88	N
Do c/N urse/Ja nitor Office49	6-Doc/Nurse/Janitor Office	1	30	0.009	0.267	1.26	N
Nurse57	7-Nurse	1	30	0.002	0.067	0.32	N
Interview Room62	8-Interview Room	1	30	0.002	0,067	0.32	N
Doctor Office67	9-Doctor Office	1	30	0.002	0.06.7	0.32	N
MDF7S	10-MDF	1	30	0.003	0.100	0.47	N
Clinician83	11-Clinkian	1	30	0.003	0.100	0.47	N
Case Manager91	12-Case Manager	1	30	0,003	0.100	0.47	N
Initerview Room99	13-Interview Room	1	30	0.003	0.100	0.47	N
Tclcmedicine105	14-Telemedicine	1	30	0.003	0.100	0.47	N
Children Conference Room11 2	15-Children Conference Room	1	100	0.057	0.500	2.36	N
Corridor/Storage/Bathroom120	16-Corridor/Storage/Bathroom	1	145	0.003	0.021	0.10	N
Group Room126	17-Group Room	1	100	0.001	0.010	0.05	Ŋ
Program Manager131	18-Program Ma:nager	2	30	E/00.0	0.100	0.47	N
Manager Office139	19-Manager Office	1	30	0.003	0.100	0.47	N

CA Building Energy Efficiency Standards- 2019 Nonresidential Compflance

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ALL PROPRIETARY PRODUCTS/ SPECIFICATIONS SHALL INCLUDE THE FOLLOWING "APPROVED EQUAL OR BETTER" STATEMENT.

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8605 Santa Monica Blvd Ste 63454 West Hollywood, CA 90069 951-902-6600 info@winstoneng.com www.winstoneng.com



PROJECT NAME:

BEHAVIORAL HEALTH CLINIC REMODEL

COMMERCIAL

PROJECT ADDRESS:

120 N. 8TH STREET, EL CENTRO, CA 92243

PROJECT #: 481-1

	REVISION SCHED	ULE
Δ	ISSUE	DATE
INITI	AL SUBMITTAL	(F)
1st S	AL SUBMITTAL UBMITTAL	11-7-202
_		

HEALTH CLINIC

ENERGY COMPLIANCE

Copy Protection

Project Name:	Nonresidential 8u	Biding			NRCC-PRF-01-E	Page 10 of	18	
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nput file Name:	481-1 102 N 8th st	reet El Centro.cibd19x						
H3. EXHAUST FAN S	SUMMARY							
1		2	3	4	5	6	7	8
System 10	r	Zone Name	Qty	CF M	Motor8HP	Power Per Flow (W/dm)	Total Static Pressure (in. H ₂ 0)	Status
Supervisor1	45	20-Supervisor	1	30	0.003	0.100	0.47	N
8athrooms1	151	21-Bathrooms	1	160	0.003	0.019	009	N
Break Room:	iss	22-8reak Room	1	160	0.003	0.019	0.09	N
Analyst/Cleric	al164	23-Anatyst/Clerical	1	30	0.008	0.233	1.10	N
H4. Wet System Equation Dides Not		ers,cooling towers,etc.)						
HS. PUMPS								
This Section Does Not	Apply							
H6. SYSTEM SPECIA	I FEATURES							
1		2		3	l'		4	
	Name	Equipment Type	Wir	dow Interlor §140.4(n)		Other	Special Features and Controls	
System N								
System N	11	PYAV		NA			Fixed Supply Air Temp	
		PVAV		NA NA			Fixed Supply Air Temp. Fixed Supply Air Temp,	

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Service Hot Water, Primary Only

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Project Address:	1201	N. 8th Street El Cent	tro 9224	3				Calcular	don Date/Tim	e: 13:1:	5, Moin, Au	22, 202	22		
Input File Name:	481-	1 102 N 8th street E	Centro	cíbd19x											
H9. ZONAL SYST	EM AND TE	RMINAL UNIT SU	MMAR	1											
1		2		3	4	5	6		7	8	9	10	11	12	13
System ID		one Name	Guet	em Type	Qty	Rated Cap (&Btul			Airfio	w (cfm)				Fan	
System ID	,	DITE HANKE	3/34	ентурк	dia	Heating	Cooling	De	esign	Min.	Min. Ratio	Powe	Power Units	Ownle4	VSO
IO-MOF-Trm		10-9ADF	VAVNo	ReheatBox	1	NA	NA	1	600	1600	1.00	1.62	3 bhp	NA	
23-Analyst/Clerk	23-A	nadyst/Clerical	VAVNo	ReheatBox	1	NA	NA	1	600	1600	1.00	1.27	5 bhp	NA	
2.2-Break Room-1	rm 22	-Break Room	VAVNo	ReheatBox	1	NA	NA	1	600	1600	1.00	1.27	5 bhp	NA	
21-Bathrooms-T	rm 21	-Bathrooms	VAVNo	ReheatBox	1	NA	NA	1	600	1600	1.00	1.27	5 bhp	NA	
20-Supervisor-Tr	m 25	0-Supervisor	VAVNo	ReheatBox	1	NA	NA	1	600	1600	1.00	1.27	5 bhp	NA	
19 Manager Office-Trim	19-1	Manager Office	VAVNo	Reheat8cx	1	NA	NA	1	600	1600	1.00	1.275	5 bhp	NA	
18-Program Manager-Tirm	18-Pr	ogram Manager	VAVNo	ReheatBox	1	NA	NA	1	600	1600	1.00	2.27	5 bhp	NA	
H10. EV'APORATI	Not Apply														
H11. HEAT RECO	VERY SUMI	MARY													
This Section Does	Not Apply														
13. WATER HEAT	ER EQUIPM	ENT SUMMARY													
1	2	3	4	5	6	7	8		9	10	1	1	12	13	14
Namo	Heater Element Type	Tank Type	Qty	Tank Vol (gal)	Rated Input	Rated Inpu	t Efficie	ency	Efficiency Unit	Yank Insulati R-valu (Int/Ex	on Lo	ndby oss ction	1st Hour Rating or Flow Rate (gal)	Heat Pump	Tank Location Ambies Condition
Rinnai (RU130I)	Gas	Instantaneous	1	1.00	260	kBru/h	0.8		Thrml. Eff.	NA		000	NA	NA	NA

roject Name:	Nonresidential Building	NRCC-PRF-01-E	Page 16 of 18
roject Address:	120 N. 8th Street El Centro 92243	Calculation Date/lime:	13:15, Mon, Aug 22, 2022
nput File Name:	481-1 102 N 8th street El Centro.clbd19x		
. DECLARATION OF R	EQUIRED CERTIFICATES OF INSTALLATION		
Table lackandings Cal	lections shall be made by Onguesan totion Author to indicate	which Carelflantes of Installation our	of he submitted for the feetures to be recognized for
compliance. These do	ections shall be made by Documentation Author to indicate cuments bust be retained and provided to the building inspe- to.gov/title24/2019standards/2019_compliance_documents	ector during construction and can be	
compliance. These do	cuments bust be retained and provided to the building inspe	ector during construction and can be	
compliance. These do https://www.energy.c	cuments bust be retained and provided to the building inspe	ector during construction and can be s/Nonresidential_Documents/NRCt/	
compilance. These do https://www.energy.c Building Component	cuments bust be retained and provided to the building inspector.gov/title24/2019standards/2019_compliance_documents	ector during construction and can be s/Nonresidential_Documents/NRCt/	
compliance. These do nttps://www.energy.c Building Component Envelope	cuments bust be retained and provided to the building inspectors, or gov/title24/2019standards/2019_compliance_documents NRCI-ENV-01-E - Must be submitted for all buildings	ector during construction and can be s/Nonresidential_Documents/NRCt/	

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riput file Name:	481-1 102 N 8th Stree	et El Centro.cibd19x						
H7, NONRESIDENTI	IAL VENTILATION							
1		2	3	4	5	6	7	
			Mechanical Ven	tilation				
Zone	Name	Ventilation Function		SupplyO-A CFM	Exhaust CFM	Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both	
1-£obby • (Bathrooms	Office - Office space	391	59	140	391	NA	
2-Reception & Clinical Offi		Office - Office space	4.60	69	30	460	NA	
3-2 Clinic	al/Supers	Misc - All others	5.28	79	30	528	NA	
4-Medica	l Records	Office - Office space	1.00	15	30	100	NA	
5-Cor	ridor	General - Conidors	1.04	16	30	104	NA	
6-Doc/Nurse/Janttor Office		Office - Office space	3.50	53	30	350	NA.	
7-N	urse	Misc - All others	1.96	29	30	196	NA	
8-Intervi	ew Room	Office - Office space	1.54	23	30	154	NA	
9-Doeto	r Office	Office - Office space	3.64	55	30	364	NA	
10-1	MDF	Misc - All others	0.23	12	30	77	NA	
11-Cl	niclan	Office - Office space	3.12	47	30	312	NA	
12-Case	Manager	Office - Office space	5.32	80	30	532	NA	
13-Intervi	lev/ Room	Office -Office space	2.10	32	30	210	NA	
14-Telen	nedicine	Office - Office space	3,90	59	30	390	NA	
15-Children Co	nference Room	Office - Office space	3.64	55	100	364	NA	
16-Corridor/Sto	rage/Bathroom	General - Corridors	3.64	SS	145	364	NA	
17-Grou	p Room	Office - Office space	2.55	38	100	255	NA	
18-Program	n Manager	Office - Office space	3.78	57	30	378	NA	
19-Manag	ger Office	Office - Office space	2.38	36	30	238	NA	
70-Sup	ervisor	Office - Office space	238	36	30	238	NA	
21-Bath	hrooms	Exhaust - Tollets , private	1.53	0	160	153	NA	
22-Brea	k Room	Office - Office space	6.76	101	160	676	NA	
23-Analys	t/Clerical	Office - Office space	5.24	79	30	524	NA	

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1	2	3	4	5	6
Let 1		In the Head Makelon Con and	Makala a Caroli Carolina	Additional (Ous	tom) Allowance
Occupancy Type ¹	Conditioned Floor Area ² (ft ²)	Installed Ughting Power (Watts)	Ughting Control Credits (Watts)	Area Category Footmotes (Wetts)	Tallored Method (Watts)
Office Area (<250 square feet)	3,840	2,690	0	0	0
Healthcare Facility and Hospitals (Exam/Treatment Room)	724	832	0	0	0
Corridor Area	468	280	0	0	0
Electrical, Mechanical, Teleptione Rooms	77	31	0	0	0
Office Area (>250 square feet)	1,420	924	0	0	0
Restrooms	153	99	0	0	0
Office Area (Open plan office)	676	406	0	0	0
Building Totals:	7,358	5,262	0	0	0

3 See Roble 140 G-C ² See NACCLID-01-E for uncord/doned spaces

CA Buliding Energy Efficiency Standards- 2019 Novresidential Compliance

CA Building Energy Efficiency Standards: 2019 Norresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-22 13:18:45

Project Name:	Nonresidential Building	NRCC-PRF-01-E	Page 17 of 18
Project Address:	120 N. 8th Street El Centro 92243	Calculation Date/Time:	13:15, Mon, Aug 22, 2022
nput File Name:	481-1 102 N 8th street El Centro.cibd19x		
M. DECLARATION OF	REQUIRED CERTIFICATES OF ACCEPTANCE		
compliance. These do	ections shall be made by Documentation Author to ind cuments must be provided to the building inspector du more information visit:https://www.energy.co.gav/title	ring construction and must be completed	through an Acceptance Test Technician Certification
Building Component		Form/Title	
Envelope	NRCA-ENV-02-F - NRFC label verification for fenestration		
Indoor Lighting	NRCA-LTI-02-A - Oecupancy Sensors and Automatic Time Sv	witch Controls	
	NRCA-MCH-02-A Outdoor Air must be submitted for all nev Acceptance (If applicable) since testing activities overlap	wly installed HVAC units. Note: MCH02-A can	be performed in conjunction with MCH-07-A Supply Fan VFD
	NRCA-MCII-07-A Supply Fan Variable Flow Controls		
Mechanical	2000 20000 2		
	NRCA-MCH-11-A Automatic Demand Shed Controls		
	NRCA-MCN-11-A Automatic Demand Shed Controls NRCA-MCN-13-A Automatic FDD For Air Handling Units and	d Zone Terminal Units Acceptance	
		d Zone Terminal Units Acceptance	

CA Suilding Energy Efficiency Standards 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

HR. HIGH-RISE RES	DENTIAL DWELLING UNIT AND HOTEL/MOTEL VENTILATI	ON		
Input file Name:	481-1 102 N 8th street El Centro.clbd19x			
Project Address:	120 N. 8th Street El Centro 92243	Calculation Date/fime:	13:15, Man, Aug 22, 2022	
Project Name:	Nonresidential Building	NRCC-PRF:-01-E	Page 12 of 18	

1	2	3	4	5	6	7	8	9	10	11	12	13
6.410	Zone Name	Control Property	0	Rated (A	irflow (cfm)				Fan	
SystemID	Zone Name	System Type	Qty	Heating	Cooling	Design	Min.	Min. Ratio	Power	Power Units	Cycles	VSD
9-Doctor Office-Trm	9- Doctor Office	VAVNoReheatBox	1	NA	NA	1600	1600	1.00	1.623	bhp	NA	
8-Interview Room-Trm	8-Interview Room	VAVNoReheatBox	1	NA	NA	1600	1600	1.00	1.623	bhp	NA	
7-Nurse-Trm	7-Nurse	VAVNoReheat8ox	1	NA	NA	1600	1600	1.00	1.623	bhp	NA	
6-Doc/Nurse/Janitor Office-Trm	6-Doc/Nurse/Janitor Office	VAVNoReheatBex	1	NA	NA	1600	1600	1.00	1.623	bhp	NA	
S-Corridor-Trm	S-Corridor	VAVNoReheatBox	1	NA	NA	1600	1600	1.00	1.623	bhp	NA	
4-Medical Records-Trm	4-Medical Records	VAVNoReheatBox	1	NA	NA	1600	1600	1_00	1.623	bhp	NA	
3-2 Clinical/Super-Trm	3-2 Clinical/Super	VAVNoReheatBox	1	NA	NA	1600	1600	1.00	1.623	bho	NA	
2-Reception & Clinical Offi-Trm	2-Reception & Clinical Offi	VAVNoReheatBox	1	NA	NA	1600	1600	1.00	1.623	bhp	NA	
1-Lob by + Bathrooms-Trm	1Łobby + Bathrooms	VAVNoReheat8cx	1	NA	NA	1600	1600	1.00	1.623	bhp	NA	
17-Group Room-Turm	17'-Group Room	VAVNoReheat8ox	1	NA	NA	1600	1600	1.00	1.623	bhp	NA	
16- Corridor/Storage/Bath room-Trm	16- Corridor/Storage/Bath room	VAVNoRcheatBox	1	NA.	NA	1600	1600	1-00	1.623	bhp	NA	
15-Ohildren Conference Room-Trm	15-Children Conference Room	VAVNoReheatBox	1	NA:	NA	1600	1600	1.00	1.623	bhp	NA	
14-Telemedicine-Trm	14-Yelemedlone	VAVNoReheatBox	1	NA	NA	1600	1600	1.00	1.623	bhp	NA	
13-interview Room-Trm	13-interview Room	VAVNoReheat8ox	1	NA	NA	1600	1600	1.00	1.623	bhp	NA	
12-Case Manager-Trm	12-Case Manager	VAVNoReheatBox	1	NA	NA	1600	1600	1.00	1.623	bhp	NA	
11-Cinidan-Trm	11-Clinician	VAVNoReheat8ox	1	NA	NA	1600	1600	1.00	1.623	bhp	NA NA	

CA Building Energy Efficiency Standards 2019 Nonresidential Compilance Report Version: NRCC-PRF-01-E-12092021-6844

Report Generated at: 2022-08-22 13:18:45

Project Name:	Moussigeuria gaiging	Page 13 of 1	.0						
Project Addres.s:	120 N. 8th Street El Centro 92243	Calculation Date/Tin	ne: 13:15, Mon	Aug 22, 2022					
Input File Name:	481-1 102 N 8th street El Centro.cfbd19x								
K4. INDOOR COND	TIONED LIGHTING MANDATORY LIGHTING CONTROLS								
Building Level Cont	rols								
	1		2						
	Mandatory Demand Response §210.12(c)		Shut-Off Controls §130.1(c)						
	Required			Red	juired				
Area Level Controls	(Includes all lighting controls installed in conditioned space to r	neet mandatory requiremen	nts per §130.1)						
4	5	6	7	8	9	10			
Area Descrip	tion Area Category Primary Function Area	Area Controls 130.1(a)	Multi-Level Controls 130.1(b)	Shut-Off Controls 130.1(c)	Primary Daylighting 130.1(d)	Secondary Daylightine 140.5(d)			

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-22 13:18:45

Pro-Ject Name:	Nonresidential Building		NRCC-PRF-01-E	Page 18 of 18						
Project Address:	120 N. 8th Street El Centro 92243		Calculation Date/Time:	13:15, Mon, Aug 22, 2022						
Input File Name:	481-1 102 N 8th street El Centro.clbd19x									
	AUTHOR'S DECLARATION STATEMENT rote of Compliance documentation is occurate and complete.									
Documentation Auth	or Name: Francisco Coltado	el								
Company: Winston E	ngIneeimg UC	Signatti	Signature: Francisco Collado							
Address: 23905 Clint	on Kelth Rd 114-381	Signatu	re Date: 2022-08-22							
City/State/Zip; Wildo	mar CA 92595	CEA/ HE	ERS Certification Identifica	tion (If applicable): M3SS61						
Phone: 951 446-0838										
RESPONSIBLE PER	SON'S DECLARATION STATEMENT									
A The buildes dules	feetures or extern detien feetures identified on this Carolike see	of Compliance and consultant .	with the information provided	on other sonlicable compliance documents under beats calculations						
plans and specification S. I will ensure that a c	nd that a completed signed copy of this Certificate of Complian	building permit application. made available with the buildince is required to be included w	ling perinit(s) issued for the builth the documentation the bo	ilding, and made available to the enforcement agency for all applicable						
plans and specification S. I will proving that a c Inspections, I understa	s submitted to the enforcement agency for approval with this ompleted signed copy of this Certificate of Compliance shall be and that a completed signed copy of this Certificate of Complian	building permit application. made available with the building	ling perinit(s) issued for the builth the documentation the bo	ilding, and made available to the enforcement agency for all applicable						
plans and specification S. I will ensure that a c Inspections. I understa Responsible Envelope Company	s submitted to the enforcement agency for approval with this ompleted signed copy of this Certificate of Compliance shall be and that a completed signed copy of this Certificate of Complian	building permit application. made available with the buildince is required to be included w	lig perinit(s) issued for the builth the documentation the builth the documentation the builth the	ilding, and made available to the enforcement agency for all applicable						
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plans and specification S. I will analyze that a c Inspections, I understa Responsible Envelope Company: Address: City/State/Zip:	s submitted to the enforcement agency for approval with this ompleted signed copy of this Certificate of Compliance shall be and that a completed signed copy of this Certificate of Complian	building permit application. made available with the buildings is required to be individed with the buildings in the second seco	lig perinit(s) issued for the builth the documentation the builth the documentation the builth the	ilding, and made available to the enforcement agency for all applicable						
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plans and specification S. I will an average that a class pections. I under state Responsible Envelope Company: Address: City/State/Zip: Phone: Responsible Lighting Company: Address: City/State/Zip: Phone: Responsible Mechan	is submitted to the enforcement agency for approval with this completed signed copy of this Certificate of Compliance shall be and that a completed signed copy of this Certificate of Compliance Designer Name: Designer Name: Designer Name: Designer Name:	building permit application. Imade available with the buildings is required to be individed with the signature of the signatu	ling perinit(s) based for the builth the documentation the bure: gned: gree: Francisco	ilding, and made available to the enforcement agency for all applicable above provides to the building owner at occupancy. License #:						

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance

Report Version: NRCC-PRF-01-E-12092021-6844

Report Generated at: 2022-08-2213:18:45

ALL PROPRIETARY PRODUCTS/ SPECIFICATIONS SHALL INCLUDE THE **FOLLOWING "APPROVED EQUAL OR** BETTER" STATEMENT.

8605 Santa Monica Blvd Ste 63454 West Hollywood, CA 90069 951-902-6600 info@winstoneng.com www.winstoneng.com



PROJECT NAME:

BEHAVIORAL HEALTH CLINIC REMODEL

COMMERCIAL

PROJECT ADDRESS:

120 N. 8TH STREET EL CENTRO, CA 92243

PROJECT #: 481-1

	REVISION SCHED	OLE
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1	st SUBMITTAL	11-7-202
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HEALTH CLINIC

ENERGY COMPLIANCE

Copy Protection

Bachical Engineer Of Record GENERAL NOTES ABBREVIATIONS SYMBOLS POWER OUTLETS **LIGHTING** PROVIDE ALL MATERIALS AND LABOR AS REQUIRED TO ACHIEVE A COMPLETE AND OPERATING SYSTEM. THIRD PARTY LOGISTICS AIR CONDITIONING COORDINATE AND OBTAIN APPROVALS FROM ALL RESPECTIVE UTILITY COMPANIES AS REQUIRED FOR A COMPLETE AND OPERATING INSTALLATION. FLOOR WALL CEILING FLOOR WALL CEILING ACCESSIBLE **DUPLEX-NON** ACOUSTICAL CEILING TILE RECESSED DOWNLIGHT **INSTALL RACEWAY SYSTEMS AS FOLLOWS:** CONTROL **ADJUSTABLE** a. USE ELECTRIC METALLIC TUBE CONDUIT IN ALL AREAS PROTECTED ABOVE CEILING OR IN WALLS. **ABOVE FINISHED FLOOR AUTHORITIES HAVING JURISDICTION** QUADRUPLEX- NON b. USE RIGID GALVANIZED STEEL IN ALL AREAS EXPOSED TO WEATHER OR PHYSICAL DAMAGE AMP **AMPERE** CONTROL **1X4 SURFACE MOUNTED LIGHT** c. USE FLEXIBLE METALLIC CONDUIT ONLY IN AREAS AS PERMITTED BY LOCAL CODE AUTHORITY, USE SEAL-TITE IN AREAS EXPOSED TO WEATHER. AOR ARCHITECT OF RECORD d. USE COMPRESSION TYPE FITTINGS FOR ELECTRICAL METALLIC TUBING WHERE UTILIZED. **APPROXIMATE** APPROX **OV DUPLEX-VOICE-DATA** e. USE P.V.C. CONDUIT UNDERGROUND WITH CODE SIZED GROUND. 2X4 SURFACE MOUNTED LIGHT CONDUIT RISERS AND STUBS ABOVE GRADE SHALL BE I.M.C. WITH HALF-LAPPED TAPE COVERING OR P.V.C. COATING. BUILDING f. THE USE OF ROMEX OR BX IS NOT PERMITTED. **GFCI DUPLEX** CABINET CIRCUIT ALL NEW WIRING SHALL BE COPPER TYPE "THHN/THWN" - U.O.N., 1 SIMPLEX **4FT WALL MOUNTED LIGHT CENTER LINE** CEILING **CLEAR OR CLEARANCE** ALL CEILING MOUNTED ELECTRICAL DEVICES AND/OR EQUIPMENT SHALL BE SUPPORTED FROM THE CEILING GRID, NOT FROM CEILING TILE. COLUMN **EMERGENCY DUPLEX** 1X4 EMERGENCY LIGHT COMP COMPARTMENT ALL FIXTURE, DEVICE, ETC... LOCATIONS SHALL BE VERIFIED WITH ARCH. DRAWINGS AS WELL AS EQUIPMENT SUPPLIER REQUIREMENTS PRIOR TO ANY ROUGH-IN WORK. CONST CONSTRUCTION CONT CONTINUOUS **EMERGENCY QUADRUPLEX** CTR CENTER ALL LIGHTING FIXTURES SHALL BE MOUNTED AND SUPPORTED IN ACCORDANCE WITH OSHA STANDARDS 2X4 EMERGENCY LIGHT CW **COLD WATER** THE 2019 CALIFORNIA ELECTRICAL CODE. AND THE CALIFORNIA ENERGY CODE **CWF** COLD WATER FILTERED **EMERGENCY SIMPLEX ₽**EM CX COMMISSIONING CXA CONTRACTOR SHALL PROVIDE LIGHTING FIXTURE MOUNTING KITS AS REQUIRED TO SUIT THE EXACT TYPE OF CEILING TO WHICH THEY ARE MOUNTED **COMMISSIONING AGENT** 2X4 RECESSED LIGHT **DEGREES** THESE DRAWING ARE DIAGRAMMATIC AND REPRESENT THE INTENT OF EQUIPMENT, DEVICES, ETC... TO BE CONNECTED AND THE CIRCUITS TO WHICH THEY ARE TO BE **COUNTERTOP DUPLEX** DET DETAIL CONNECTED TO, CONTRACTOR SHALL INSTALL ALL CONDUIT, J-BOXES, ETC... AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM. DIA DIAMETER DISP DISPENSER **EXIT SIGN 1 FACE** ISOLATED GROUND DUPLEX DIMENSION ALL EXTERIOR EQUIPMENT SHALL BE WEATHERPROOF. CEILING MOUNTED, U.O.N. DM **DESIGN MANAGER** DN DOWN EXIT SIGN 1 FACE LEFT ARROW 11. ALL WORK SHALL COMPLY WITH THE 2019 CALIFORNIA ELECTRICAL CODE AND THE 2019 CALIFORNIA ENERGY CODE. DWG(S) DRAWING(S) CONTROLLED DUPLEX RECEPTACLE CEILING MOUNTED, U.O.N. 12. ALL EQUIPMENT SHALL BE NEW AND BEAR A "UL" LABEL - U.O.N. **(I)NEMA XXX ELECTRICAL CONTRACTOR** SINGLE NEMA OUTLET SWITCHES/CONTROLS **EXHAUST GRILLE ELEVATION** CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY BUILDING PERMITS. **EXPLOSION PROOF DUPLEX** ELEC **ELECTRICAL FLOOR** WALL EMERGENC' 14. COMPLETE ELECTRICAL INSTALLATION SHALL BE GUARANTEED IN WRITING FOR A PERIOD OF (1) YEAR - U.O.N. **EXPLOSION PROOF SIMPLEX** LIGHT SWITCH - TIME OPERATED **EQUAL** EQUIPMENT LIGHT SWITCH - SINGLE POLE EXIST OR (E) EXISTING CONTRACTOR SHALL INCLUDE IN BID - COSTS FOR ALL HVAC CONTROL COMPONENTS, CONDUITS, DEVICES, ETC... AS DEEMED NECESSARY FOR A COMPLETE AND OPERATING SPLIT WIRE **EXPOSED** HVAC SYSTEM, REFER TO MECHANICAL DRAWINGS, DIAGRAMS AND SPECS FOR THOSE ITEMS REQUIRED UNDER THE ELECTRICAL SECTION OF THIS CONTRACT. EXTERIOR LIGHT SWITCH - DIMMABLE SINGLE POLE TAMPER RESISTANT FIXTURE CONTRACTOR/INSTALLER LIGHT SWITCH - DIMMABLE THREE WAY CONTRACTOR SHALL VISIT SITE PRIOR TO BID DATE, TO VERIFY ALL EXISTING CONDITIONS TO BE ENCOUNTERED IN THE INSTALLATION OF ALL NEW EQUIPMENT, FIXTURE NON STANDARD - VERIFY MOUNTING FLOOR CLEANOUT (PROVIDES CONTROL IN TWO DEVICES, FEEDERS, ETC ... EXACT INSTALLATION METHOD AND REQUIREMENTS SHALL BE VERIFIED AND DETERMINED PRIOR TO BID DATE. CONTRACTOR SHALL IMMEDIATELY FLOOR DRAIN HEIGHT WITH ARCHITECT LOCATIONS) CR CR CR NOTIFY ELECTRICAL ENGINEER OF ANY REQUIRED MODIFICATIONS WHICH ARE NOT SHOWN ON THESE DRAWINGS. SUBMITTAL OF BID INDICATES CONTRACTOR IS FF&E FURNITURE, FIXTURE AND EQUIPMENT CONTROLLED DUPLEX / QUAD RECEPTACLE F&I **FURNISH AND INSTALL** COGNIZANT OF ALL JOBSITE CONDITIONS AND WORK TO BE PERFORMED LIGHT SWITCH - KEY OPERATED FINISH **TELECOM FLOOR** LIGHT SWITCH 17. ALL EQUIPMENT ELECTRICAL CHARACTERISTICS, NEMA CONFIGURATION, LOCATIONS, AND CONNECTION REQUIREMENTS SHALL BE VERIFIED PRIOR TO ANY ROUGH-IN WORK. **FRONT OF HOUSE** FIBERGLAS REINFORCED PANEL **PILOT LIGHT** FLOOR SINK 18. CONTRACTOR SHALL FURNISH THE FOLLOWING SHOP DRAWINGS FOR PRIOR APPROVAL: **FOOT OR FEET** SWITCH - WITH THERMAL OVERLOAD a. ALL SUBMITTED LIGHT FIXTURES VOICE OUTLET WITH 1"C.O. b. ALL ELECTRICAL SERVICE EQUIPMENT, DISTRIBUTION EQUIPMENT AND PANELBOARDS. GENERAL CONTRACTOR GC **GFCI GROUND FAULT CIRCUIT INTERRUPTER** LIGHT SWITCH - LOW VOLTAGE c. OTHER ITEMS AS SPECIFICALLY INDICATED. DATA OUTLET WITH 1"C.O. GND GROUND LIGHT SWITCH - DIMMABLE OCCUPANCY SENSOR COMPLETE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH THE PRESENTLY ADOPTED EDITION OF THE CALIFORNIA ELECTRICAL CODE (CEC) HOLLOW CORE HARDWARE HDW VOICE-DATA WITH 1"C.O. HOLLOW MET PENETRATIONS OF ALL FIRE RATED WALLS OR CEILINGS SHALL BE FIRE RATED IN ACCORDANCE WITH ALL LOCAL AND NATIONAL CODES HORIZ HORIZONTAL CARD READER OCCUPANCY SENSOR 21. PROVIDE RIVETED ON ENGRAVED PLASTIC NAMEPLATES (BLACK WITH WHITE LETTERS) FOR ALL MAJOR ELECTRICAL EQUIPMENT HAND SINK HEIGHT HEATING, VENTILATING AND AIR CONDITIONING **EMERGENCY BREAK GLASS PHOTOCELL** PROVIDE THE OWNER WITH ONE SET OF ELECTRICAL "AS-BUILTS" AT THE COMPLETION OF THE JOB. HOT WATER INSIDE DIAMETER 23. ALL DEVICES MOUNTED BACK TO BACK ON THE FIRE RATED WALL SHALL BE MOUNTED WITH 24" MINIMUM HORIZONTAL OFFSET. OCCUPANCY SENSOR POWER PACK **PUSH BUTTON** THE EXISTING CONDITIONS SHOWN ARE FROM AVAILABLE RECORD DRAWINGS AND SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ACTUAL EXISTING LANDLORD SPEAKER-AV **OVERRIDE SWITCH** CONDITIONS AT SITE PRIOR TO SUBMITTING BID. ALL DEMOLITION, ALTERATION, EXTENSION, RELOCATION, REHABILITATION WORK SHALL BE INCLUDED IN CONTRACT. NO **LOW VOLTAGE** ADDITIONAL ALLOWANCE OR CHANGE ORDERS WILL BE ACCEPTED. MAXIMUM **ELECTRICAL PUSH BUTTON** MECHANICAL CONTRACTOR 25. CONTRACTOR IS RESPONSIBLE TO RELOCATE OR REMOVE FROM WALLS, CEILINGS, FLOOR SPACES, ETC. ANY EXISTING CONDUITS, WIRES, BOXES, FITTINGS, FIXTURES OR MECH **MECHANICAL** MECHANICAL, ELECTRICAL AND PLUMBING OTHER ELECTRICAL EQUIPMENT WHICH INTERFERES WITH TENANT IMPROVEMENT WORK. PROVIDE CIRCUIT CONTINUATION REQUIRED FOR ALL EXISTING OUTLETS SINGLE LINE DIAGRAM 3/4° CONDUIT WITH 2#12 WIRES, MANUFACTURER FIXTURES, EQUIPMENT, ETC. SCHEDULED TO REMAIN. MINIMUM GROUND WIRE NOT SHOWN. MOP SINK CIRCUIT BREAKER SWITCH LOCATION OF OUTLET SHOWN IS APPROXIMATE ONLY AND OUTLET MAY BE MOVED TO SUIT EQUIPMENT LAYOUT. COORDINATE WITH ARCHITECT AND/OR TENANT 3/4" CONDUIT WITH 3#12 WIRES, **NOT IN CONTRACT** REPRESENTATIVES FOR EXACT LOCATION. FUSE - INLINE NTS NOT TO SCALE GROUND WIRE NOT SHOWN. 3/4" CONDUIT WITH 4#12 WIRES, **FUSE SWITCH** 27. PANELBOARDS SHALL BE PROVIDED WITH TYPEWRITTEN PANEL SCHEDULE MOUNTED INSIDE EACH PANEL AND ENGRAVED PRIMARY/SECONDARY PANEL LABELS FROM OC **ON CENTER** SWITCHBOARD GROUND WIRE NOT SHOWN. OD **OUTSIDE DIAMETER** FUSED-SWITCH BUS PLUG CONDUIT HOMERUN TO PANEL 1LA-1,3,5 VERIFY ALL DISCONNECT SWITCHES, FUSE SIZES AND TYPES WITH MECHANICAL EQUIPMENT MANUFACTURER PRIOR TO INSTALLATION. PHOTOCELL **CIRCUIT BREAKER - ENCLOSED** 1LA WITH CIRCUIT 1,3,5 PRODUCTION DESIGNER PROJECT DEVELOPMENT MANAGER 29. A SEPARATE GROUNDING CONDUCTOR SHALL BE RUN IN ALL NON METALLIC CONDUIT RUNS PLASTIC LAMINATE **CAPPED CONDUIT** POINT OF SALE **GROUND FAULT RELAY** ALL ELECTRICAL DEVICES SHOWN WITH (E) ARE EXISTING TO REMAIN AND (N) ARE NEW. CONDUIT RUN UNDERGROUND OR REFERENCE ____ THE UNGROUNDED AND GROUNDED CONDUCTORS OF EACH MULTI-WIRE BRANCH CIRCUIT SHALL BE GROUPED BY WIRE TIES OR SIMILAR MEANS IN AT LEAST ONE LOCATION THE FLOOR SLAB REQUIRE(D) WITHIN THE PANELBOARD OR OTHER POINT OF ORIGINATION, PROVIDE APPROVED HANDLE TIE AT CIRCUIT BREAKER AS REQUIRED. REVISION **AMMETER RETURN GRILLI** CONDUIT TURNING DOWN ROUND 32. ELECTRICAL RECEPTACLE OUTLETS AND SWITCHES, INCLUDING COMMUNICATION SYSTEM RECEPTACLES, SHALL BE LOCATED NOT LESS THAN 15" MEASURED TO THE **ROOF TOP** BOTTOM OF THE BOX OR MORE THAN 48" MEASURED TO THE TOP OF THE BOX A.F.F. CONDUIT TURNING UP DIGITAL METER U.O.N. SOLID CORE SQUARE FEET PROVIDE GROUND CONDUCTOR IN ALL FEEDER AND BRANCH CIRCUITS, SIZED PER CODE, UNLESS OTHERWISE INDICATED SHEET **CONDUIT BREAK** SIMIL AR TRANSFORMER - DELTA WYE-GROUNDED 34. ALL PANELS, SWITCHES, ETC. SHALL HAVE SUFFICIENT GUTTER SPACE AND LUGS TO ACCOMMODATE CONDUCTORS SHOWN. ALL PANELBOARDS SHALL BE EQUIPPED WITH SPECIFICATION SQUARE BOLT-ON CIRCUIT BREAKERS PER PANEL SCHEDULE. STAINLESS STEEL XXXXX SUSP SUSPENDED 35. ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE FASTENED TO STRUCTURE SO AS TO RESIST MOVEMENT DUE TO SEISMIC FORCES. REQUIREMENTS SHALL BE AS XXXXX SPECIFIED BY THE STATE OF CALIFORNIA AND LOCAL CODES AND ORDINANCES XXXXX **TEMPORARY** XXXXX **TEMPERED WATER** SHEET TITLE SHEET NO. THE FEEDER LENGTHS SHOWN ON DRAWINGS ARE AN APPROXIMATE FOR VOLTAGE DROP CALCULATIONS. CONTRACTOR SHALL FIELD-VERIFY THE EXTENT OF THE WORK TYPICAL E1.0 GENERAL NOTES UNDER WHICH HE WILL BE OBLIGATED TO OPERATE IN PERFORMING HIS CONTRACT SCOPE OF WORK LIGHTING **UNLESS OTHERWISE NOTED** LIGHTING CONTROLS & DETAILS 37. WINSTON ENGINEERING INC DOES NOT DETERMINE THE MAKE OR MODEL OF ANY EQUIPMENT U.O.N. TITLE 24 LIGHTING CONTROLS/CONTROLLED RECEPTACLE PLAN VENDOR DIREC REMODEL OF EXISTING BEHAVIORAL HEALTH OFFICES. **EXTERIOR PHOTOMETRICS** VERTICAL FIRE LIFE SAFETY NOTES E2.4 **EXTERIOR PHOTOMETRICS VERIFY IN FIELD** EXTERIOR PHOTOMETRICS UNDER DESIGN/BUILD FIRE/LIFE SAFETY CONTRACTOR SHALL INVESTIGATE THE EXTENT OF REQUIRED SCOPE OF WORK WITH FIRE MARSHAL AND OTHER AUTHORITIES HAVING PLAN CHECK AND INSPECTION AUTHORITIES AND **EXTERIOR PHOTOMETRICS DETAILS** SANITARY WASTE PROVIDE AND SUBMIT FIRE/LIFE SAFETY (FIRE ALARM SYSTEM) CONSTRUCTION DOCUMENTS TO AHJ. APPROVAL SHALL BE OBTAINED PRIOR TO THE INSTALLATION OF THE SYSTEM. WATER HEATER E2.7 **EMERGENCY PHOTOMETRICS WEATHER PROOF** E2.8 **EMERGENCY PHOTOMETRICS** CONTRACTOR SHALL PROVIDE AS PART OF FIRE ALARM SYSTEM: WALL CLEANOUT E2.9 EMERGENCY PHOTOMETRICS DETAILS * CONSTRUCTION DOCUMENT AND SHOP DRAWINGS, EQUIPMENT LIST WITH CSFM LISTING NUMBERS E3.0 E4.0 SINGLE LINE DIAGRAM * SYSTEM SHALL BE PEER TO PEER NETWORK CAPABLE AND MICROPROCESSOR BASED E5.0 TITLE 24 FORMS FIRE ALARM & SECURITY SYSTEMS: FIRE ALARMS AND SECURITY TITLE 24 FORMS * COORDINATE WITH MECHANICAL, PLUMBING AND FIRE PROTECTION SYSTEM DRAWINGS FOR ALL REQUIRED FIRE ALARM DEVICES UNDER MECHANICAL, PLUMBING & FIRE PROTECTION AND PROVIDE INTERCONNECTING SYSTEMS ARE NOT PART OF THIS CONTRACT, DESIGN-BUILD WIRING FOR A COMPLETE WORKING SYSTEM. **ELECTRICAL DETAILS ALL PROPRIETARY PRODUCTS/** CONTRACTOR WILL SUBMIT AS SEPARATE PERMIT FOR APPROVAL * COORDINATE WITH ELEVATOR CONSULTANT FOR ALL REQUIRED FIRE ALARM SYSTEM DEVICES. SPECIFICATIONS SHALL INCLUDE THE

FOLLOWING "APPROVED EQUAL OR BETTER" STATEMENT.

8605 Santa Monica Blvd Ste 63454 West Hollywood, CA 90069 951-902-6600 info@winstoneng.com www.winstoneng.com



PROJECT NAME:

BEHAVIORAL HEALTH CLINIC REMODEL

COMMERCIAL

PROJECT ADDRESS

120 N. 8TH STREET

PROJECT #: 481-1

REVISION SCHEDULE ISSUE DATE INITIAL SET 08-23-2022

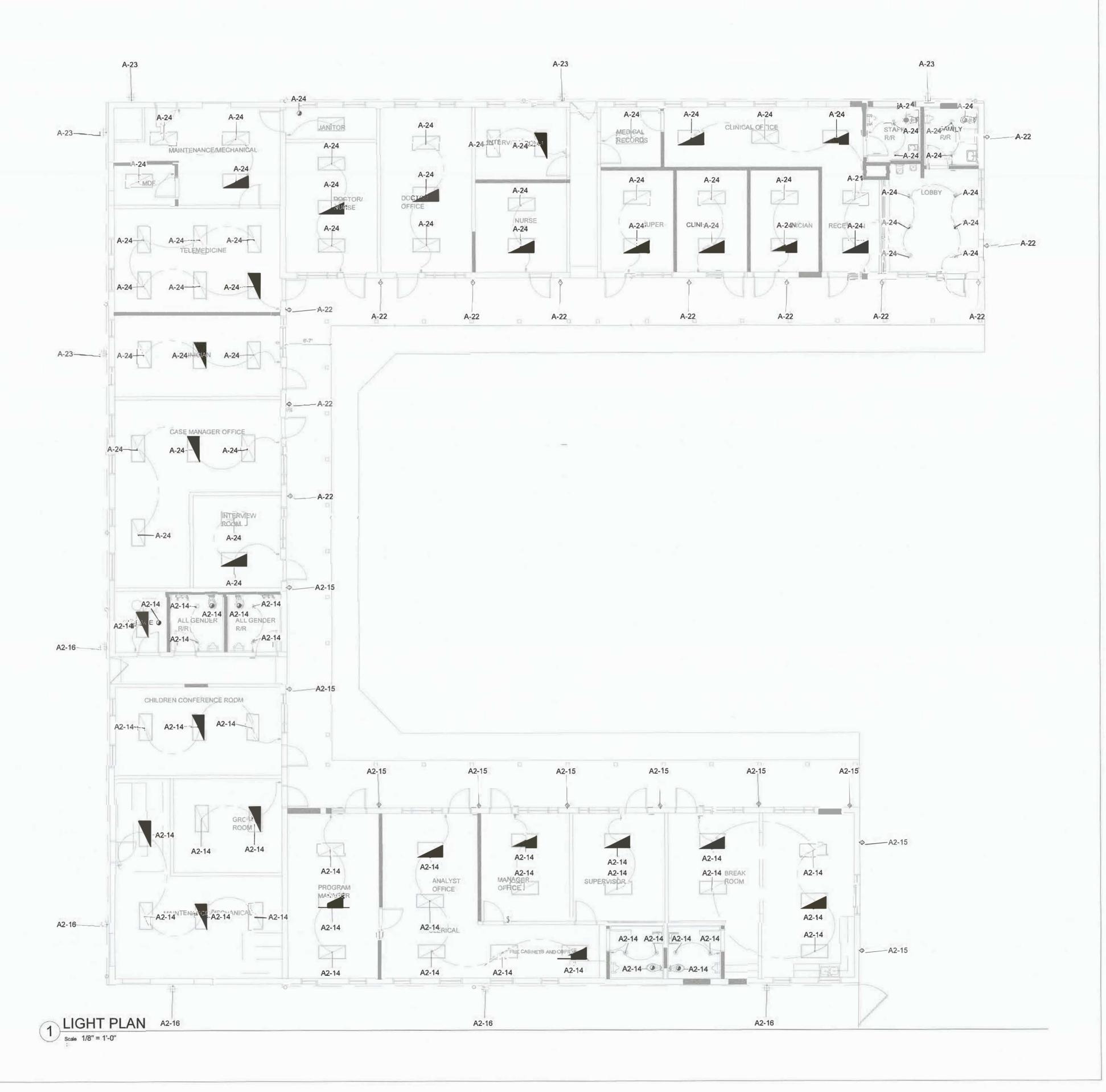
GENERAL NOTES

Copy Protection

GENERAL NOTES

1. CAPACITY OF STORAGE BATTERY SYSTEMS SHALL NOT BE LESS THAN 90 MINUTES OPERATING TIME WITHOUT THE VOLTAGE FALLING BELOW 87.5% NORMAL.

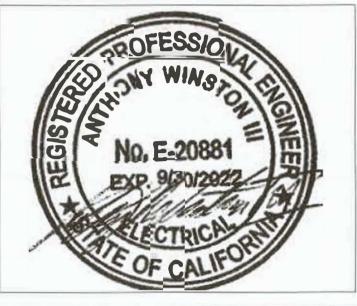
FIXTURE SYMBOL	DESCRIPTION	VOLTAGE (V)	POWER (W
	2' x 4' FLAT PANEL - LITHONIA LIGHTING - CPX LED PANEL- 4000LM-80CRI-35K A12-39.29 WATTS	120V	39.29W
	2' x 4' FLAT PANEL - LITHONIA LIGHTING - CPX LED PANEL- 4000LM-80CRI- WITH 90 MIN BACKUP BATTERY	120V	39.29W
-	TWPX1 LED-VANDAL RESISTANT-LED WALL LUMINAIRE- LITHONIA LIGHTING	120V	22.5W
R	6" LED COMMERCIAL DOWNLIGHT - LITHONIA LDN	120V	18VV
\$	WALL LIGHT - SONAR SPC12 SERIES LED - ACUITY BRAND- 2CR - 12 INCH- 20 WATTS	120V	20W



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PROJECT NAME:

BEHAVIORAL HEALTH CLINIC REMODEL

COMMERCIAL

PROJECT ADDRESS:

120 N. 8TH STREET, EL CENTRO, CA 92243

PROJECT #: 481-1

REVISION SCHEDULE

ISSUE

INITIAL SET

08-23-2022

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LIGHTING

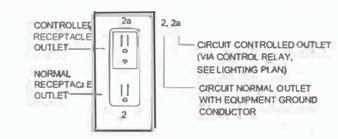
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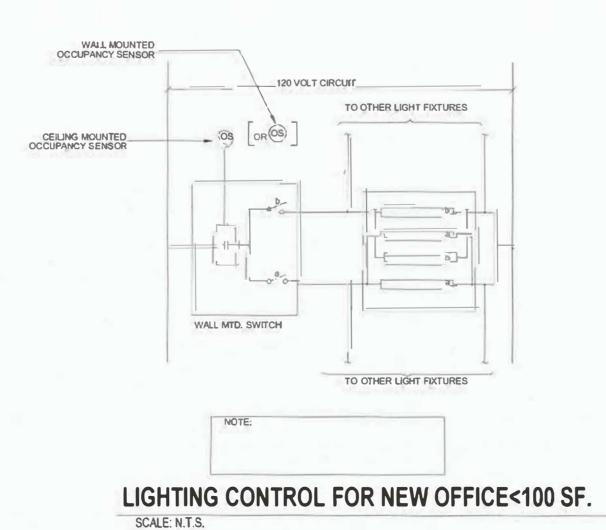
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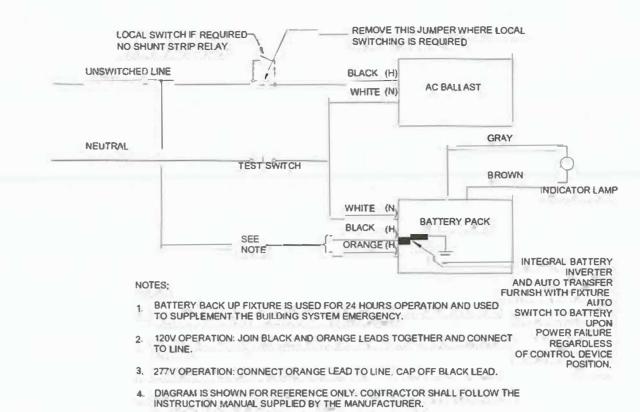
WALL MOUNTED SPLIT DUPLEX ELECTRICAL OUTLET, 120V, 15 AMPS

RATED, COMMERCIAL GRADE TYPE, TOP OUTLET TO BE SWITCH. (SEE ARCHITECT FOR EXACT LOCATION AND MOUINTING HEIGHT). SEE BELOW FOR SAMPLE CONFIGURATION:



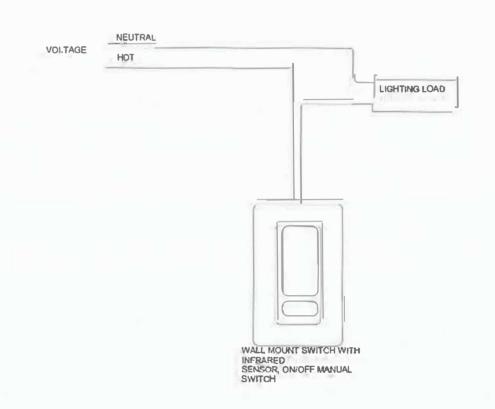
CONTROLLED OUTLET SCALE: N.T.S.



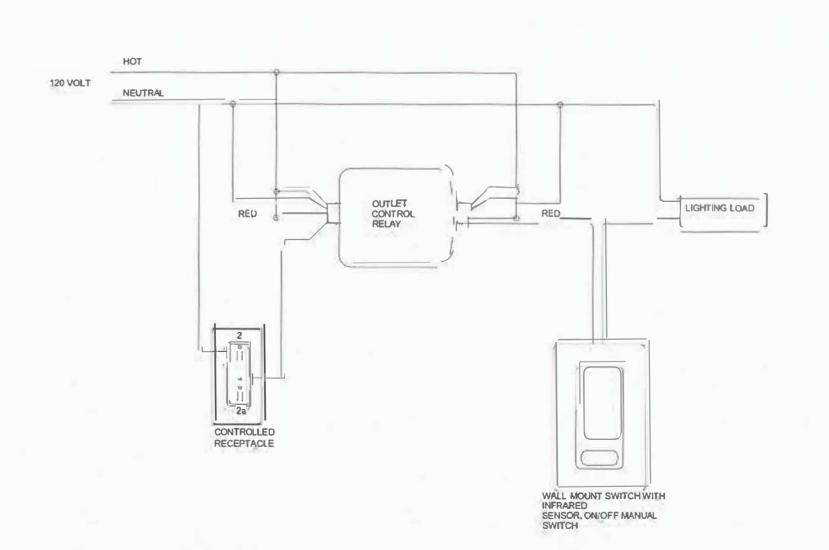


LIGHT FIXTURE W/ EM. BATT. PACK

SCALE: N.T.S.



LIGHTING CONTROL SCALE: N.T.S.



LIGHTING CONTROL WITH CONTROL OUTLETS
SCALE: N.T.S.

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PROJECT NAME:

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120 N. 8TH STREET, EL CENTRO, CA 92243

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LIGHTING CONTROLS & DETAILS

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TABLE 130.1-A MULTI-LEVEL LIGHTING CONTROLS AND UNIFORMITY REQUIREMENTS Minimum Required Control Steps Uniform level of illuminance Luminaire Type shall be achieved by: (percent of full rated power1) Line-voltage sockets except GU-24 ow-voltage incandescent systems Continuous dimming 10-100 percent LED luminaires and LED source systems GU-24 rated for LED GU-24 sockets rated for fluorescent > 20 Continuous dimming 20-100 percent Pin-based compact fluorescent > 20 watts² GU-24 sockets rated for fluorescent ≤ 20 Stepped dimming; or Minimum one step between Continuous dimming; or Pin-based compact fluorescent < 20 watts² 30-70 percent Switching alternate lamps Linear fluorescent and U-bent fluorescent < in a luminaire 13 waits Minimum one step in each range: Stepped dimming; or Continuous dimming; or Linear fluorescent and U-bent fluorescent > switching alternate lamps 13 watts in each luminaire, having a 50-70 % 80-85 % 100 % minimum of 4 lamps per luminaire, illuminating the same area and in the same Step dimming; or Continuous dimming; or Minimum one step between Track Lighting Separately switching 30 - 70 percent circuits in multi-circuit track with a minimum of two circuits. IIID > 20 watts Stepped dimming; or Continuous dimming; or Induction > 25 watts Switching alternate lamps Minimum one step between in each luminaire, having a 50 - 70 percent minimum of 2 lamps per Other light sources luminaire, illuminating the same area and in the same 1. Full rated input power of ballast and lamp, corresponding to maximum ballast factor 2. Includes only pin based lamps; twin tube, multiple twin tube, and spiral lamps

TYPICAL DAYLIGHT PHOTOCELL WIRING **DIAGRAM**

Photocell Notes:

1. Per Title 24 Section 130.1 (d), all luminaires within the primary and secondary daylight zones shall be controlled following Table

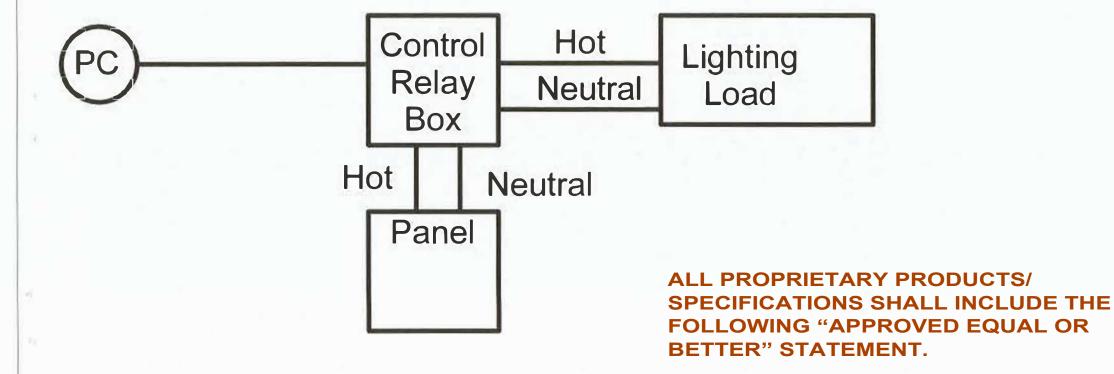
-SKYLIT DAYLIT ZONE is the rough area in plan view under each skylight, plus 0.7 times the average ceiling height in each direction from the edge of the rough opening of the skylight, minus any area on a plan beyond a permanent obstruction that is taller than the following: A permanent obstruction that is taller than one-half the distance from the floor to the bottom of the skylight. The bottom of the skylight is measured from the bottom of the skylight well for skylights having wells, or the bottom of the skylight if no skylight well exists.

For the purpose of determining the skylit daylit zone, the geometric shape of the skylit daylit zone shall be identical to the plan view geometric shape of the rough opening of the skylight; for example, for a rectangular skylight the skylit daylit zone plan area shall be rectangular, and for a circular skylight the skylit daylit zone plan area shall be circular.

- PRIMARY SIDELIT DAYLIT ZONE is the area on a plan directly adjacent to each vertical glazing, one window head height deep into the area, and window width plus 0.5 times window head height wide on each side of the rough opening of the window, minus any area on a plan beyond a permanent obstruction that is 6 feet or taller as measured from the floor.

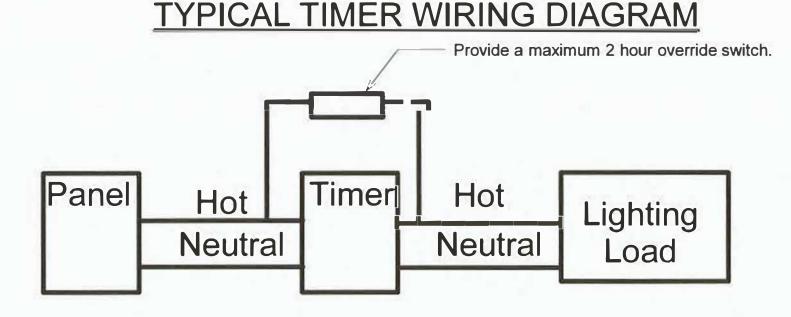
- SECONDARY SIDELIT DAYLIT ZONE is the area on a plan directly adjacent to each vertical glazing, two window head heights deep into the area, and window width plus 0.5 times window head height wide on each side of the rough opening of the window, minus any area on a plan beyond a permanent obstruction that is 6 feet or taller as measured from the floor.

Photocell placement to be verified per lighting controls manufacturer.



GENERAL NOTES:

- THE LIGHTING FIXTURE SCHEDULE INDICATES GENERAL DESCRIPTION OF LIGHTING FIXTURES AND MANUFACTURERS CATALOG NUMBERS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE CORRECT CEILING CONFIGURATION, VOLTAGE AND PROVIDE THE FIXTURES WITH ALL NECESSARY TRIMS AND MOUNTING HARDWARE SO THAT BOTH THE CEILING SYSTEM AND THE FIXTURE CONSTRUCTION MATCHES.
- 2. A JUNCTION BOX MUST BE PROVIDED WITH ALL EXIT LIGHTS CONNECTED TO MORE THAN ONE SET OF CONDUCTORS UNLESS THE EXIT LIGHT FIXTURE IS FURNISHED WITH AN APPROVED OUTLET BOX FOR THROUGH WIRING.
- ALL LIGHT FIXTURES SHALL HAVE APPROPRIATE UL LABEL, DAMP, WET, EXPLOSIVE-PROOF OR CORROSIVE-RESISTANT AS REQUIRED BY CODES AND ORDINANCES.
- PRIOR TO ORDERING ANY LIGHTING FIXTURES, THE CONTRACTOR SHALL COORDINATE ALL LIGHT FIXTURE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS, CEILING CAVITY DEPTHS, AND ELEVATION PLANS.
- UPON INITIAL ENERGIZING OF ALL NEW FLUORESCENT LAMPS, A CONTINUOUS PERIOD OF 30 HOURS SHALL OCCUR PRIOR TO DE-ENERGIZING OF LAMPS. FOR MANUFACTURER REQUIRED LAMP BURN-IN AND MAXIMUM LAMP LIFE.
- PROVIDE CLEARANCES FROM COMBUSTIBLES A MINIMUM OF 1/2" (OTHER THAN AT POINTS OF SUPPORT) AND 3" FROM INSULATION FOR RECESSED LIGHTING FIXTURES WHICH MUST BE NON-IC RATED.
- PROVIDE A MINIMUM OF TWO #12 SUPPORT WIRES ATTACHED TO BUILDING FRAME IN ADDITION TO T-BAR CLIPS FOR FLUORESCENT FIXTURES RECESSED IN SUSPENDED T-BAR CEILING.
- PROVIDE FOUR SHEET METAL SCREWS, ONE INSTALLED IN EACH CORNER OF THE FIXTURE ATTACHING THE FIXTURE TO THE GRID. SCREWS SHALL NOT BE VISIBLE NOR IMPEDE INSTALLATION OF GRID PANELS.
- PROVIDE SHATTERPROOF LENS FOR ALL LIGHT FIXTURES SERVING FOOD AREAS SUCH FOOD PREPARATION AND KITCHEN AREAS.
- 10. APPROVED LAMP MANUFACTURERS ARE LITHONIA, OSRAM, SYLVANIA, GE, PHILLIPS, VENTURE OR APPROVED EQUAL.
- 11. LAMP COLOR TEMPERATURES FOR FLUORESCENT LIGHTING SHALL BE MINIMUM OF 3500°K, UNLESS NOTED OTHERWISE.
- 12. ALL LIGHT FIXTURES SHALL BE ORDERED WITH APPROPRIATE BALLAST(S) THAT HAVE UL AND CBM LABELS. ALL BALLAST MUST CONFORM WITH TITLE 24 REQUIREMENTS FOR PERFORMANCE AND EFFICIENCY. FLUORESCENT FIXTURE BALLASTS SHALL HAVE BALLAST FACTOR RATING NOT LESS
- 13. FLUORESCENT FIXTURES SHALL BE SUPPLIED WITH "QUICK DISCONNECT" SAFETY BALLAST HARDWARE WHICH ARE UL AND CSA CERTIFIED IN ACCORDANCE WITH NEC 410.73(G) AND CEC 30-308(4).
- 14. ALL NIGHT/EMERGENCY LIGHTS, BATTERY PACKS AND EXIT SIGNS SHALL CONTAIN UNSWITCHED, NON-DIMMED, CONSTANT "HOT" CONDUCTOR AND BE IN COMPLIANCE WITH NEC ARTICLE 700.



DEMAND RESPONSIVE CONTROLS

Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Response Signal; so that the building's total lighting power can be lowered by a minimum of 15 percent below the total installed lighting power. Lighting shall be reduced in a manner consistent with uniform level of illumination requirements in TABLE 130.1-A above.

Spaces that are non-habitable shall not be used to comply with this requirement, and spaces with a lighting power density of less than 0.5 watts per square foot shall not be counted toward the building's total lighting power.

TYPICAL CONTROLLED RECEPTACLE WIRING DIAGRAM

In all buildings, both controlled and uncontrolled 120 volt receptacles shall be provided in each private office, open office area, reception lobby, conference room, kitchenette in office spaces, and copy room. Additionally, hotel/motel guest rooms shall comply with Item 5. Controlled receptacles shall meet the following requirements, as applicable: 1. Electric circuits serving controlled receptacles shall be equipped with automatic shut-OFF controls following the

requirements prescribed in Section 130.1(c) (1 through 5); and 2. At least one controlled receptacle shall be installed within 6 feet from each uncontrolled receptacle or a split

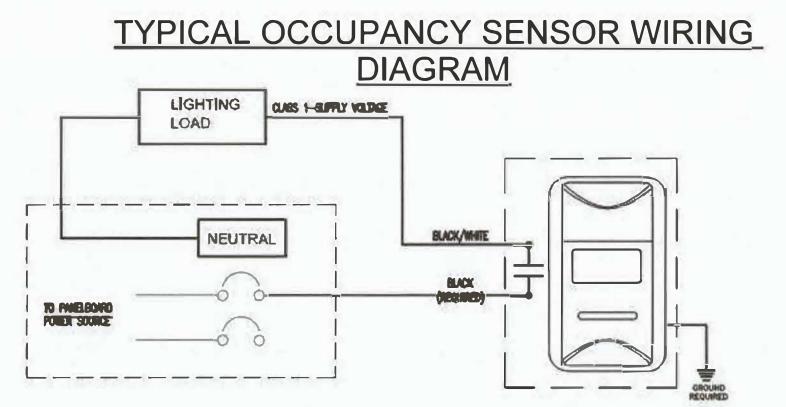
- wired duplex receptacle with one controlled and one uncontrolled receptacle shall be installed; and 3. Controlled receptacles shall have a permanent marking to differentiate them from uncontrolled receptacles; and 4. For open office areas, controlled circuits shall be provided and marked to support installation and configuration
- of office furniture with receptacles that comply with Section 130.5(d) and 5. For hotel and motel guest rooms at least one-half of the 120-volt receptacles in each guest room shall be controlled receptacles that comply with Section 130.5(d)1, 2, and 3. Electric circuits serving controlled receptacles shall have captive card key controls, occupancy sensing controls, or automatic controls such that, no longer than

30 minutes after the guest room has been vacated, power is switched off. 6. Plug-in strips and other plug-in devices that incorporate an occupant sensor shall not be used to comply with

EXCEPTION 1 to Section 130.5(d): In open office areas, controlled circuit receptacles are not required if, at time of final permit, workstations are installed, and each workstation is equipped with an occupant sensing control that is permanently mounted in each workstation, and which controls a hardwired, nonresidential-rated power strip. Plug-in strips and other plug-in devices that incorporate an occupant sensor shall not be used for this exception. EXCEPTION 2 to Section 130.5(d): Receptacles that are only for the following purposes:

i. Receptacles specifically for refrigerators and water dispensers in kitchenettes.

- Receptacles located a minimum of six feet above the floor that are specifically for clocks.
- iii. Receptacles for network copiers, fax machines, AN and data equipment other than personal computers in
- copy rooms. iv. Receptacles on circuits rated more than 20 amperes.



IN THE SPACE.

INSTALLER CAN USE THE LIGHTING OCCUPANCY SENSOR OR AN

Neutral

Control

Relay

Box

Panel

Hot

Neutral

CONTROLLED

RECEPTACLE

PROJECT ADDRESS: 120 N. 8TH STREET, PROJECT #: 481-1 **REVISION SCHEDULE** INITIAL SET OCCUPANCY SENSOR DEDICATED TO THE CONTROLLED RECEPTACLE

Electrical Engineer Of Record

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No. E-20881

BEHAVIORAL

HEALTH CLINIC

REMODEL

ISSUE

COMMERCIAL

EL CENTRO,

CA 92243

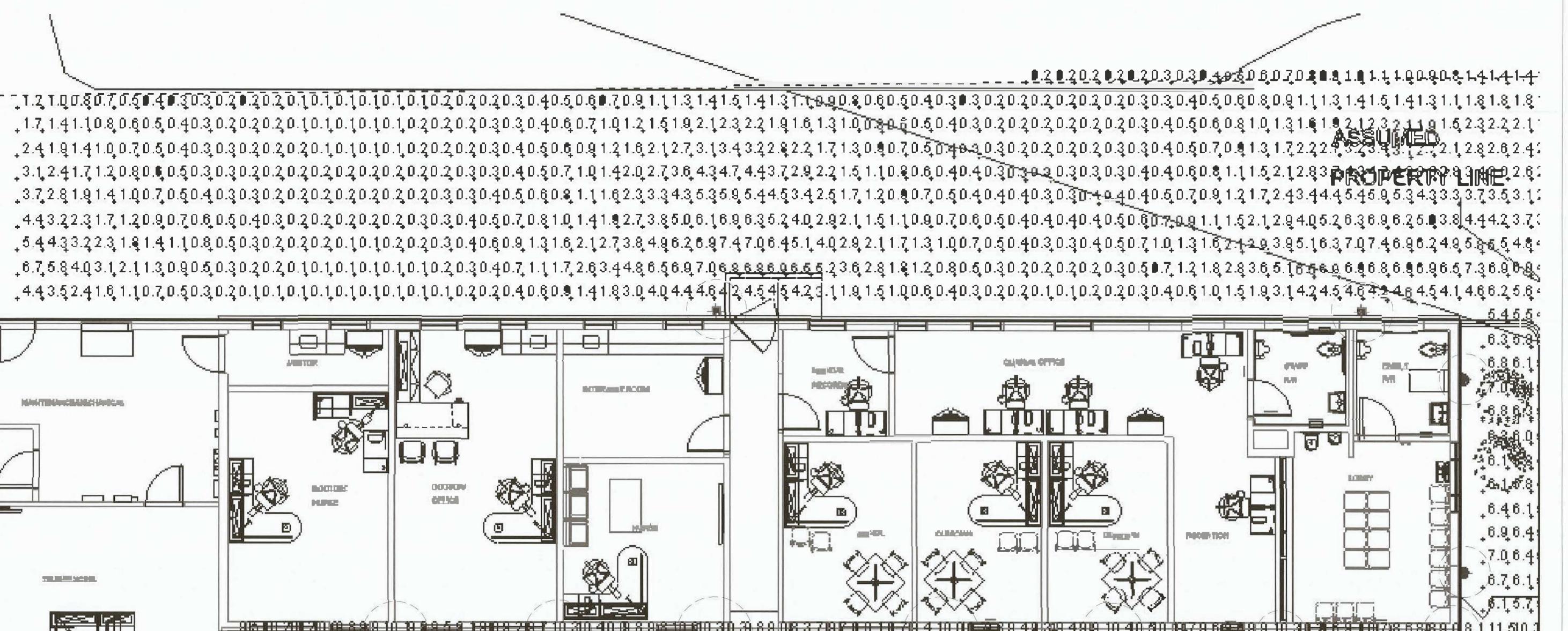
DATE

08-23-2022

PROJECT NAME:

TITLE 24 LIGHTING CONTROLS/CONTROLLED RECEPTACLE PLAN

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9.3 9.8 9.7 7.7 6.1 4.7 3.5 2.5 1.8 <u>9.6</u> 9.9 9.1 7.5 5.8 4.3 3.0 1.8 9.9 10 19.2 7.6 5.7 4.1 2.8

EXIST.



102 N 8th St El Centro

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
102 N 8TH ST EL CENTRO	+	4.2 fc	11.7 fc	0.1 fc	117.0:1	42.0:1

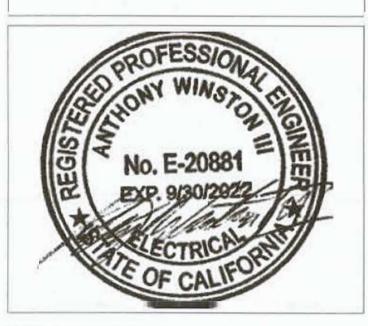
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C. HACAVA

Bectrical Engineer Of Re

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PROJECT NAME:

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COMMERCIAL

PROJECT ADDRESS

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PROJECT #: 481-1

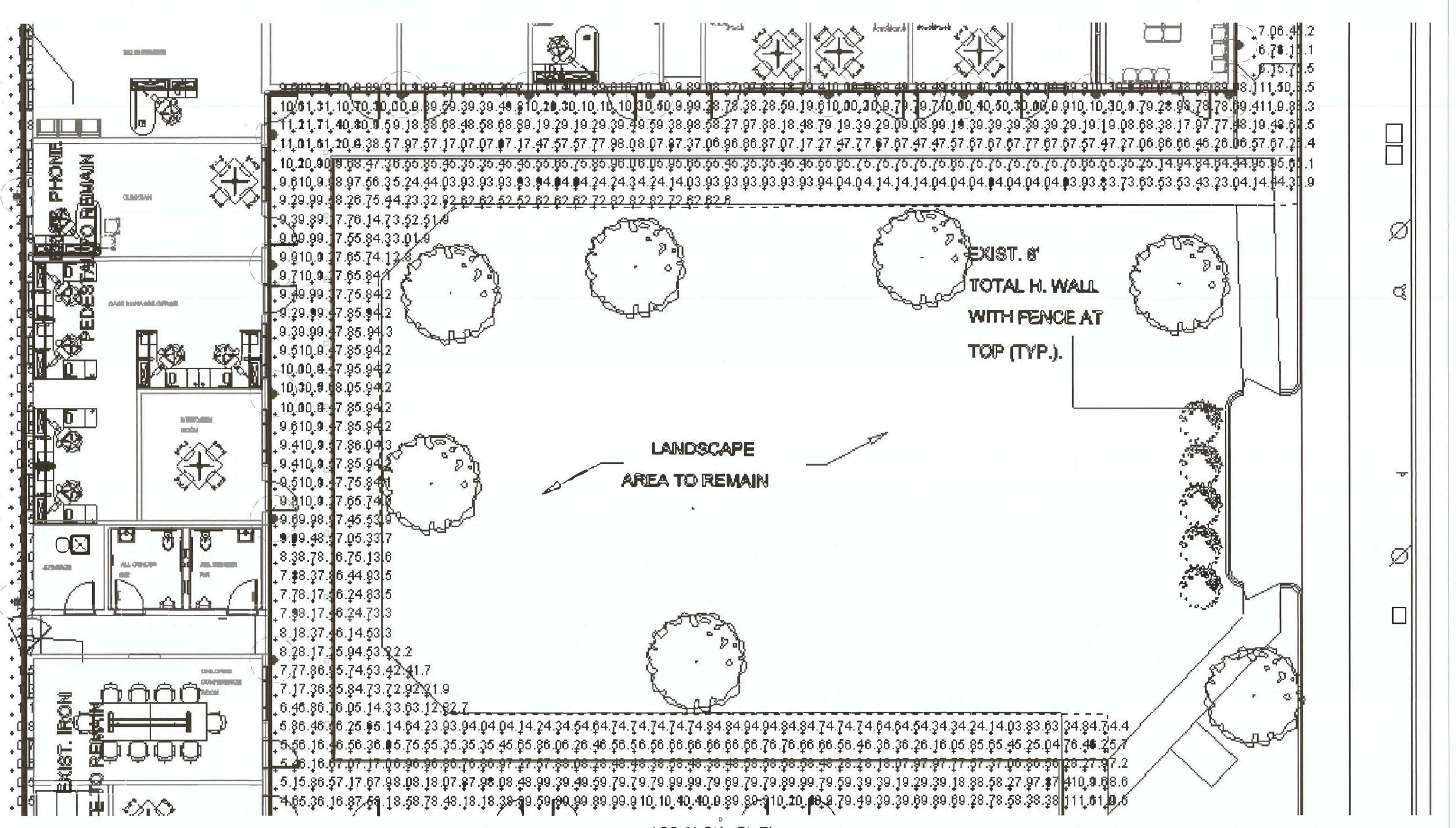
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EXTERIOR PHOTOMETRICS

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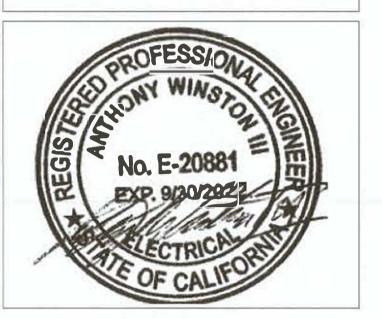


102 N 8th St El Centro

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
102 N 8TH ST EL CENTRO	+	4.2 fc	11.7 fc	0.1 fc	117.0:1	42.0:1

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PROJECT NAME:

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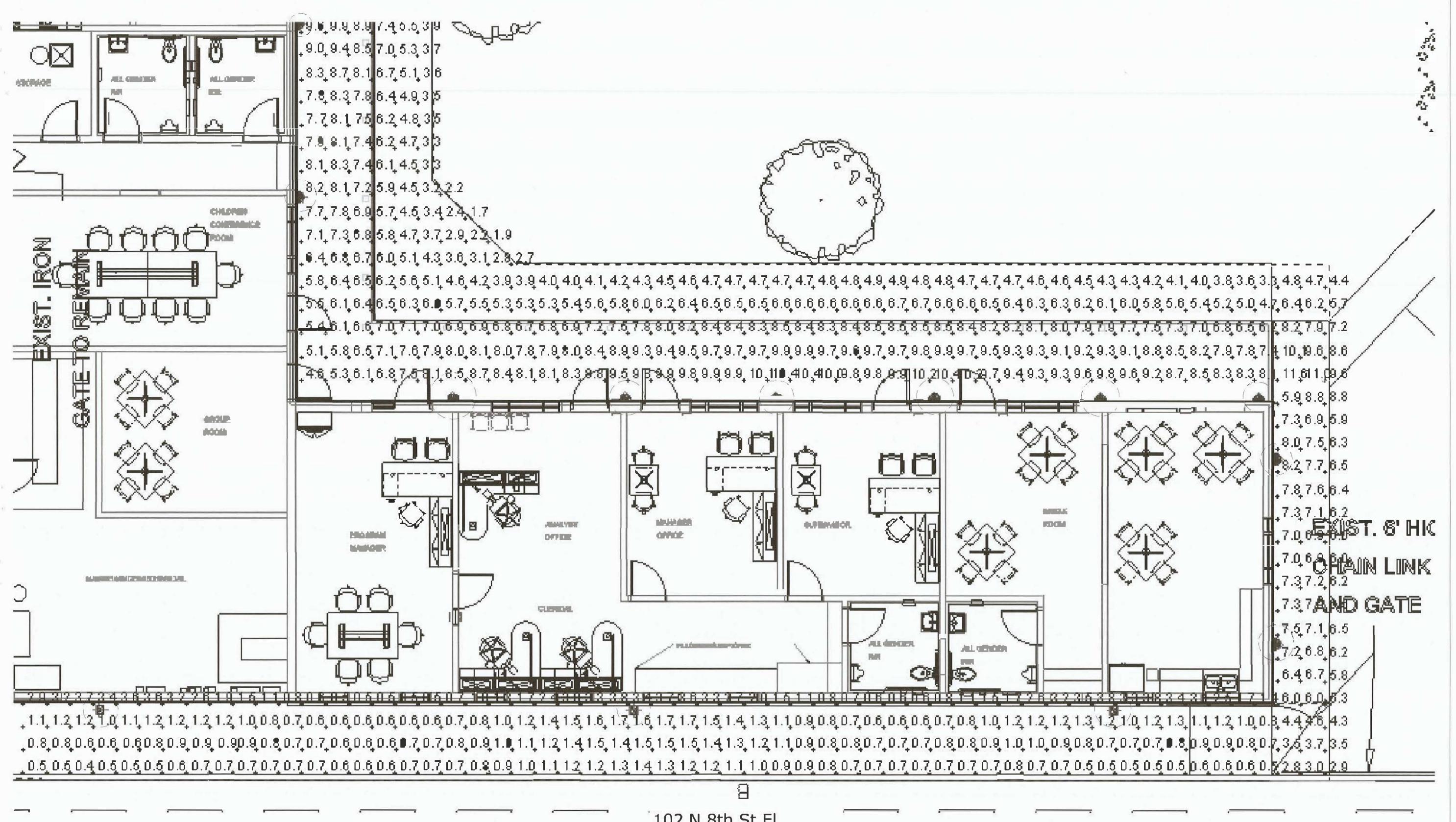
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EXTERIOR PHOTOMETRICS

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102 N 8th St El Centro

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
102 N 8TH ST EL CENTRO	+	4.2 fc	11.7 fc	0.1 fc	117.0:1	42.0:1

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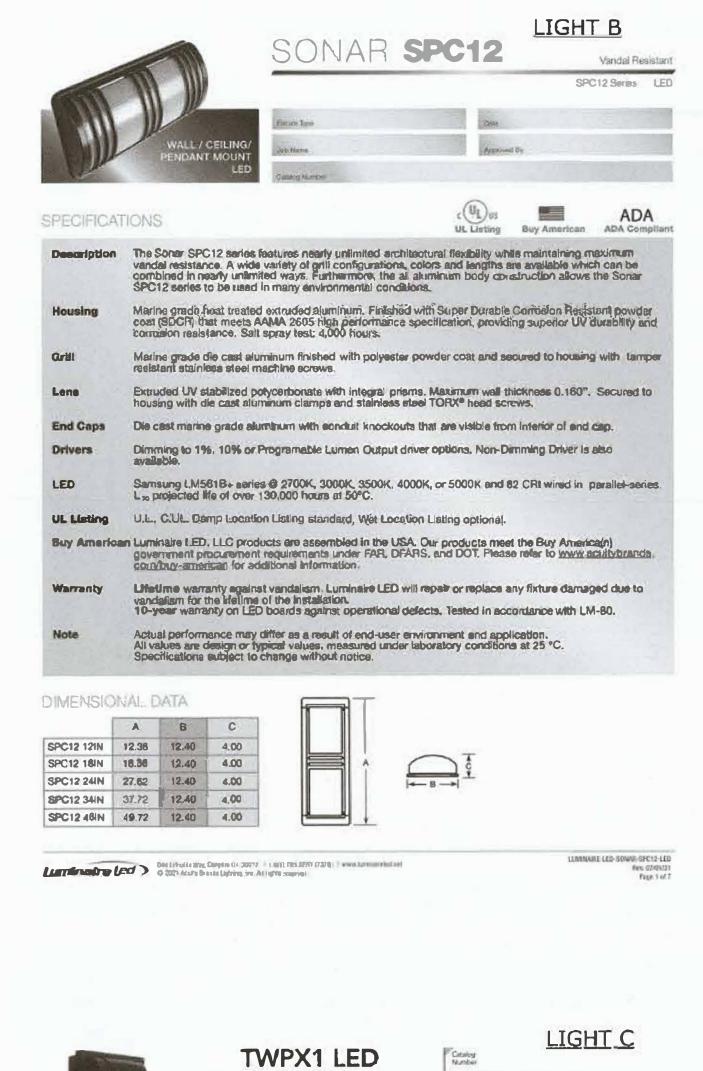
PROJECT #: 481-1

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3-2022

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EXTERIOR PHOTOMETRICS

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Vandal Resistant LED Wall Luminaire

12.04

7.5'

TWPX LED Family Overview

FRENCH LED AMELT (120-1774)

Purpia LED NEWOLF (120-277V), 3474, 4807

PI LASH MITTER

FEATURES & SPECIFICATIONS

MADE (134-2014), 347V

72 2.000 reni 40K 4000 K

ALD 550-2,700 LFEETS 50K SOOK

entable vis

De TWPII LED is an exaggre from the low residence assert LED wedges in far residence up to a

been manuful beight applications such as desire the deal war against, and with eaths

conductive and consists the cooling. The door is largered on the poly and can be represented for easy installation. The housing a completely smalled against moutane and environmental conservations and is tuitable for the hose-down especializate.

Exterior publics parts are projected by a circumfued Secret Dunble TGIC & account

powder cost finds that periods the enter mission to cortesion and machinera. A Spirity controlled multi-cipys powder enteres a 3 mis thatbam for a finish tript can will clare underest clarate charges without creding or passing.

The advanced option design uses both reference and subsector technologies that work technologies for create impringing and further process, group gives highly where it is needed. The LM set billion designer concerned con-in-special bally-designed to manifelies tight mozarition and croops a fully territron; turn name for a heater right into book.

30K 3000K

TATOLEII

Introduction

halide luminaire.

1,230

10,150

MADELE (170.2774) ME Proposit L Bures Type CODE 10 Dest bronze CODE 130 Destand dest bronze

threaded candud antity art the 100

for ACT minima ambient

WASTANTE

LITHONIA COMMERCIAL OUTDOOR One Lithonis Way • Conyers, Georgia 30012 • Phone: 1-900-705 SERV (7378) • 0 2023-2021 Advity-Boards Dighting, Inc. Afrights memorial.

YES 1,450 2,700

3,190

1,00

The TWPX LED wall pack farmly features

premium polycarbonate lenses that are designed to make these luminaires tough

rooms, entry ways or any public space that has high-traffic and low mounting height. The

enough to take real world abuse in applications auch as parks and recreation areas, locker

TWPX1 LED is energy efficient saving up to 83%

during installation, to a level perfectly suited for the job site. The TWPX1 LED ALO luminaires

can replace anything from a CFL to 100W metal

in energy costs when replacing a metal halide

The Adjustable Light Output (ALO) feature

allows the contractor to set the light output

3,050

EXAMPLE: TWPX1 LED P2 40K MVOLT PE DOBXD

DOLLO ffeit DELLO Reductions

DIRAND MANTE COMPANIE SAME NAME DNAXD Natural aluminum DNATED Instruminate aluminum

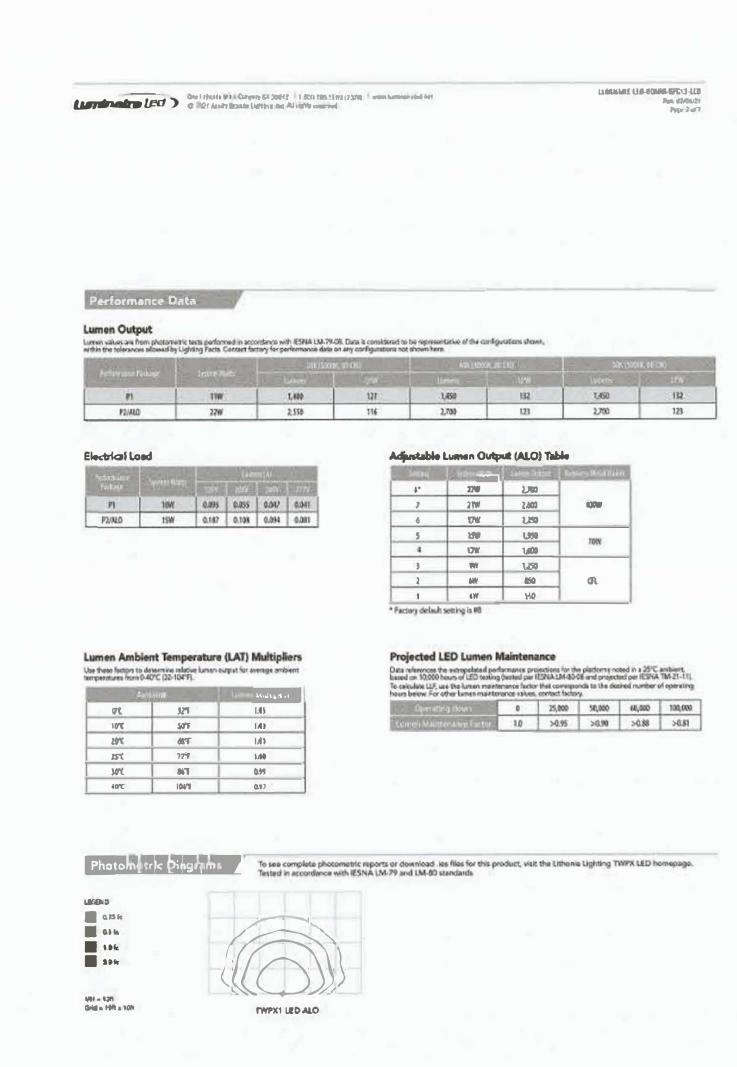
Light angine commits of high-efficies; LEDs mourans in housing to materials have disspation and promote long-1 to sub-te-181/100,000 he use at 25°C. The electronic disease has a power factor of 5°00% 1°00 (2001, funded to 10°100 formable.

Designed for east mounting above law last from the ground ofcuring is configured for

mounting distrily over a standard jurcoon boo by others or for surface white was the 1/2

CSA contributes U.S. and Committee standards IPAS retect for outdoor, applications fluind

Notes Actual performance may differ as a result of end-user environment and application All values are design or typical values, rivessured under laboratory conditions at 25 °C.



LITHONIA COMMERCIAL OUTDOOR One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • 6 2020-2021 Aprily Branch Lighting, Inc. All rights reserved.

Rex. 05/19/20

SONAR SPC12

sal 2 Committee

20F 200el Seri

ICR 1 Cartovilles

NOF JOHNESON

60F2" 6 Burs, Sets of 2

60F3 6 Bern Sets of 5

NOF 9 Birs Sals of 3

O.S. Custors Birm

27K 2706K 120 120 Vot

30K 300K 277 277 Voll

25K MOOK MOCI 120-27/WA 40K 4000K 347 347 Vall

MB MORMS

50K S009K

404 4 Bern. Settr at 2

ORDERING INFORMATION

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Vandal Resistant

SPC12 Series LED

20W 50W 100W

25W 00W 125W

AUN BOW SEEM

Airquired for all disvers oxone PRO driver

Cetaring Information pursues and rest page

Example: SPC12 2CR 12IN MIN1 40W 27K 120 CLP WHT

20RV Ties LEB drivers for independent LEB board operations.

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Merite Dinaday to 10%

1600014 Non Dissairy Orman

PRO Other Propagate to the Specific Largest Lebes to Carrier Section 19 and Section Carrier Canada Pagary Carrier Section 20 Access 19 Canada Pagary Carrier Section 19 and 19 an

OLP CAN PERSON BLK BOOK

WHIT White

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CHOI CHIMIN COUR COMPAND PROCESSES AUTO Autorit frate

AACHS for cricing sale Replace with application RAL call out when many to order. Doe for USE 2002/2003 for analytic systems.

SONAR SPC12 SONAR SPC12 Vandal Registant SPC12 Series LEI SIZE & LUMEN CHART (FOR PRD) SZE & WATTAGE CHART Sico Luman Page 121N 20W | 25W | 40W 12HV 600LM - 300DLM Sale continued at matches or or grant or other parts. Or (3277) to 58°C (351°7) CHESTRAN CONTROL OFFICE PROPER STATES AND A 27W TRANSPER MAD SX 90 DANSES.
6°C 122°F N 45°C 1113°F) 18IN 20W | 25W | 40W 18IN 700LM - 4400LM (Militager W) See Seeing and compared 20 mouth compared baders pack.
O'C (227) to 55'S (1277). Mouth CA 18th 20 Standards 1800 Learner EN11214 Remain institute of grants a martian 1254 test to 90 annuting 24IN 40W | 50W | 80W 24IN 1100/JA -8800LEA 34IN 2109LM - 15100LM 34IN 60W | 125W | 80W HEREMY Aurel mane tol of ourse a 200 and sure had to stremm. Self contained 9D prison comparey techniqueds, &C (327) to 12°C (13147), Meets CA Title 29 standards, 1200 income. 46IN | 50W | 80W | 100W | 160W 46IN 1900KM - 17500KM PARTITIAN - NAMED TO THE OFF COURTS & 2000 WORK PARTITION OF THE PARTIES. AND CONTROL OF CALCULARY STORY CONTROL OF THE TRANSPORT OF THE CONTROL OF THE TRANSPORT OF TRIM DETAILS COM Concer counted VA Pos Vist State from and PCP Passes incits CCCP passes in CCCP Content of CCCP Content of CCCP Content of CCCP CONTENT OF CONTENT OF CONTENT OF CCCP CONT OCCUPATION CONTRACTOR STATES SON OF LEED'S CONSTITUTE ON AND LOCAL SONS CONTRACTOR SONS CONTRA OCC.81 Blantario comparato exceptante escreptario estreta especiale com los 30% estre estr Microsco estapanto unhaz attenta desirá des late 41 LEO correl generale lo des la 35%, 20%, 20%, a 16%, field e entichie fice lavor. Pastey e trodero passe el della desarto lavor esto de la como lora col branch, Chart in pa saled Alber branch, in standard (Vitalian in a class of sign and self in self in branch in ANDRE Andre LED Might Light with field enhancing lower with pools assumed as at 500 ora. Requires separately considered create Consideration or residently LES Higher Uniter with Shift adjustment to the control of the cont PHOTOMETRIC DATA PEDIA. Part LED Myre Light with feeld refreshed break very posit common est at 821 mm. Regulate supmissivy controlled chip it, Carcally Restary for availability Model Watts Input Delivered Lumers Delivered Lumens Delivered Lumens Delivered Lumens Delivered Lumens Watts Cliear Opal Clear Opal Clear Opal Clear Opal Clear Opal Ondering Rates
1. Not evaluate in 1298 or 1399.
2. See Size and Waltage Clust.
3. Had available with 2599.
4. Not available with 3479. 16. Not available with Europes over 1560UM or Woltage over 25W. 16. Not exclusive with CDR 11. Not exclusive over CDR 11. Not exclusive with CDR 12. No. and CREVE or coguland with Right States (FG.). 12. Had maintake with MACCI or SAC. 14. Not exclusive in 1998 or 125M with SAFA. 15. Not exclusive with EMECOT EMPLOYER. EMPLOYER. EMPLOYER. (6. Not exclusive with EMECOT EMPLOYER. EMPLOYER. EMPLOYER. (6. Not exclusive in EDM. 125M with EMBITIS.). 3500K CERTAINS OF STREET CHAIN WAS SPC12 12IN 20W 20.0 1733 1606 1751 1622 1787 1657 1844 1789 1899 1759 TXSO TORX* Strend ver 84: May an area server Server.
 May a server Server.
 May a server Server.
 May a serv SPC12 189N 25W 27.3 2663 2468 2692 2496 2748 2547 SPC12 18IN 40W 41.0 3999 3707 3835 3554 3914 3828 4255 3844 SPC12 24IN 40W 41.0 3999 3707 3836 3554 3914 3628 4255 3944 SPC12 24IN 50W 54,7 6335 4945 5117 4743 6222 4841 5676 5262 5845 5419 SPC12 24IN 80W 82.0 7999 7414 7872 7111 7829 7257 8510 7888 8765 8125 SPC12 34IN 60W 81.5 5899 5661 5754 5334 6872 5443 6383 5816 6574 8083 SPC12 34IN 80W 82.0 7999 7414 7672 7.51 7829 7257 8510 7868 8765 8125 6PC12 34IN 125W 123.0 11989 11123 11508 10888 11744 10886 12788 11834 13148 12188 SPC12 46IN 50W 54.7 \$335 4945 5117 4743 5221 4840 5676 5261 5846 5419 SPC12 46IN 80W 82.0 7999 7414 7672 7111 7829 7257 8510 7888 8765 8125 SPC12-46IN 100W 109.0 10632 9856 10198 9453 10307 9847 11312 10486 11651 10800 SPC12 48IN 180W 164.0 15997 9856 15344 14223 15657 14513 17019 15776 17528 18249 SPC12xx PRD Programmable Driver Must Specify Lumens in Ordering Information, see Chart above:

Lumbraire (Ed) 0 100 kinds down harba to At onto count

LOWHARE-LEG-SOMM-SPC12-LEE

Continuent (and) On the second to the transfer of the second of the sec

SPC12 Series LED

LIANUARE LED BONGS SPEIZ LED

8605 Santa Monica Blvd Ste 63454 West Hollywood, CA 90069 951-902-6600 info@winstoneng.com www.winstoneng.com



PROJECT NAME:

Electrical Engineer Of Record

BEHAVIORAL HEALTH CLINIC REMODEL

COMMERCIAL

PROJECT ADDRESS:

120 N. 8TH STREET EL CENTRO

PROJECT #: 481-1

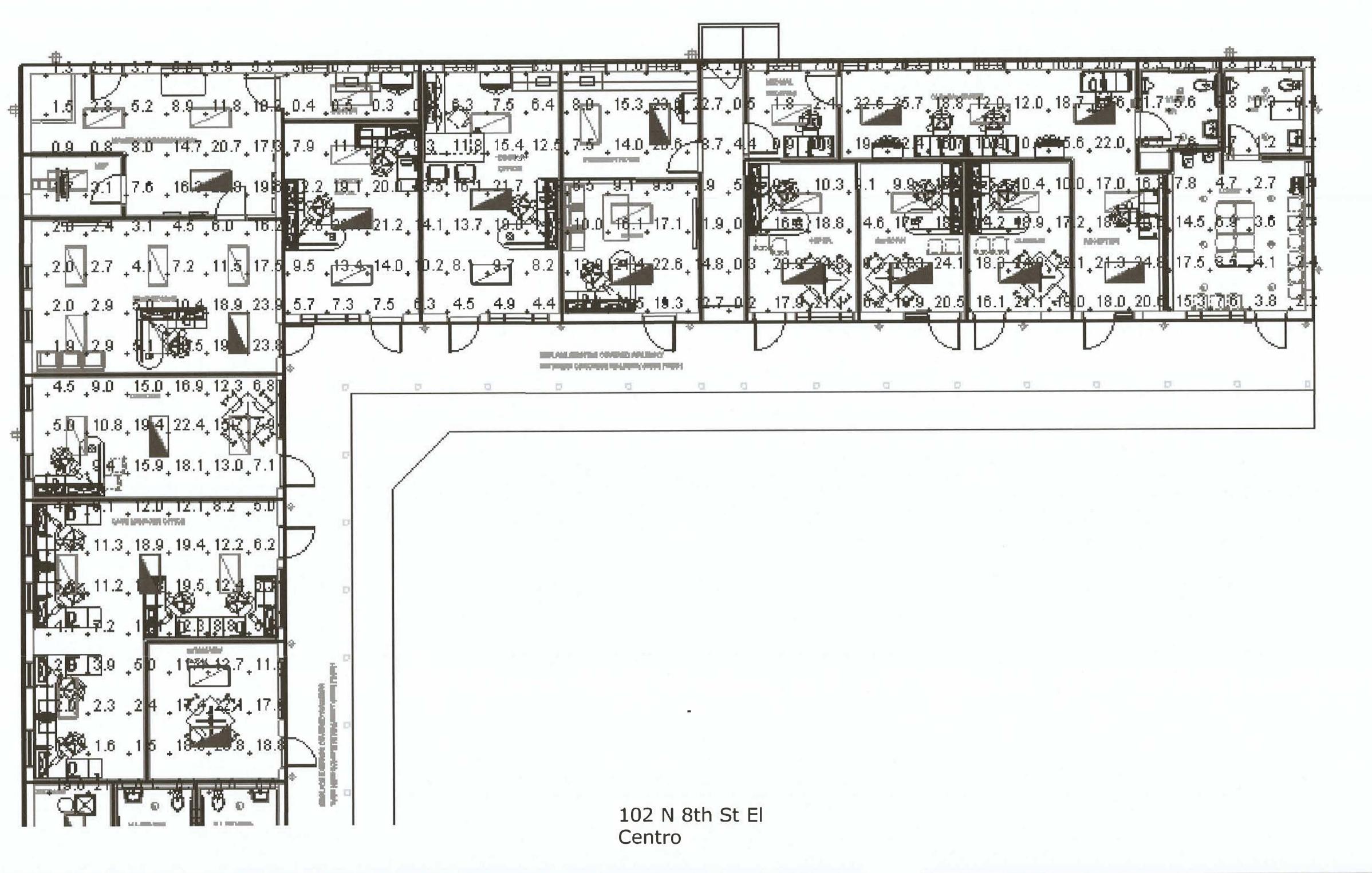
REVISION SCHEDULE DATE 08-23-2022 INITIAL SET

EXTERIOR PHOTOMETRICS DETAILS

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ALL PROPRIETARY PRODUCTS/ SPECIFICATIONS SHALL INCLUDE THE FOLLOWING "APPROVED EQUAL OR BETTER" STATEMENT.



1 CPX_2x4_4000 LM_80CRI_35K _A12.les

CPX 2x4 4000LM 80CRI CPX 2x4 LED panel 4000LM

Lighting

80CRI 3500K Prismatic Lens

WITH 90

BACKUP

100% DIRECT,

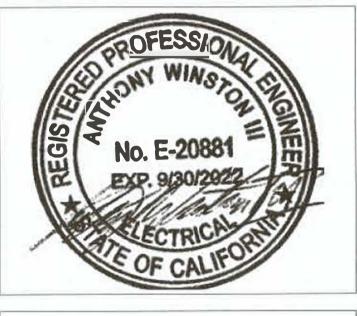
0=1.23, SC-90=1.21 StatisticsDescriptionSymbolAvgMaxMinMax/MinAvg/Min102 N 8th St El Centro+10.9 fc26.7 fc0.0 fcN/AN/A

ALL PROPRIETARY PRODUCTS/
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Electrical Engineer Of Record

WINSTON ENGINEERING INC

8605 Santa Monica Blvd Ste 63454 West Hollywood, CA 90069 951-902-6600 info@winstoneng.com www.winstoneng.com



PROJECT NAME:

BEHAVIORAL HEALTH CLINIC REMODEL

COMMERCIAL

PROJECT ADDRESS:

120 N. 8TH STREET, EL CENTRO, CA 92243

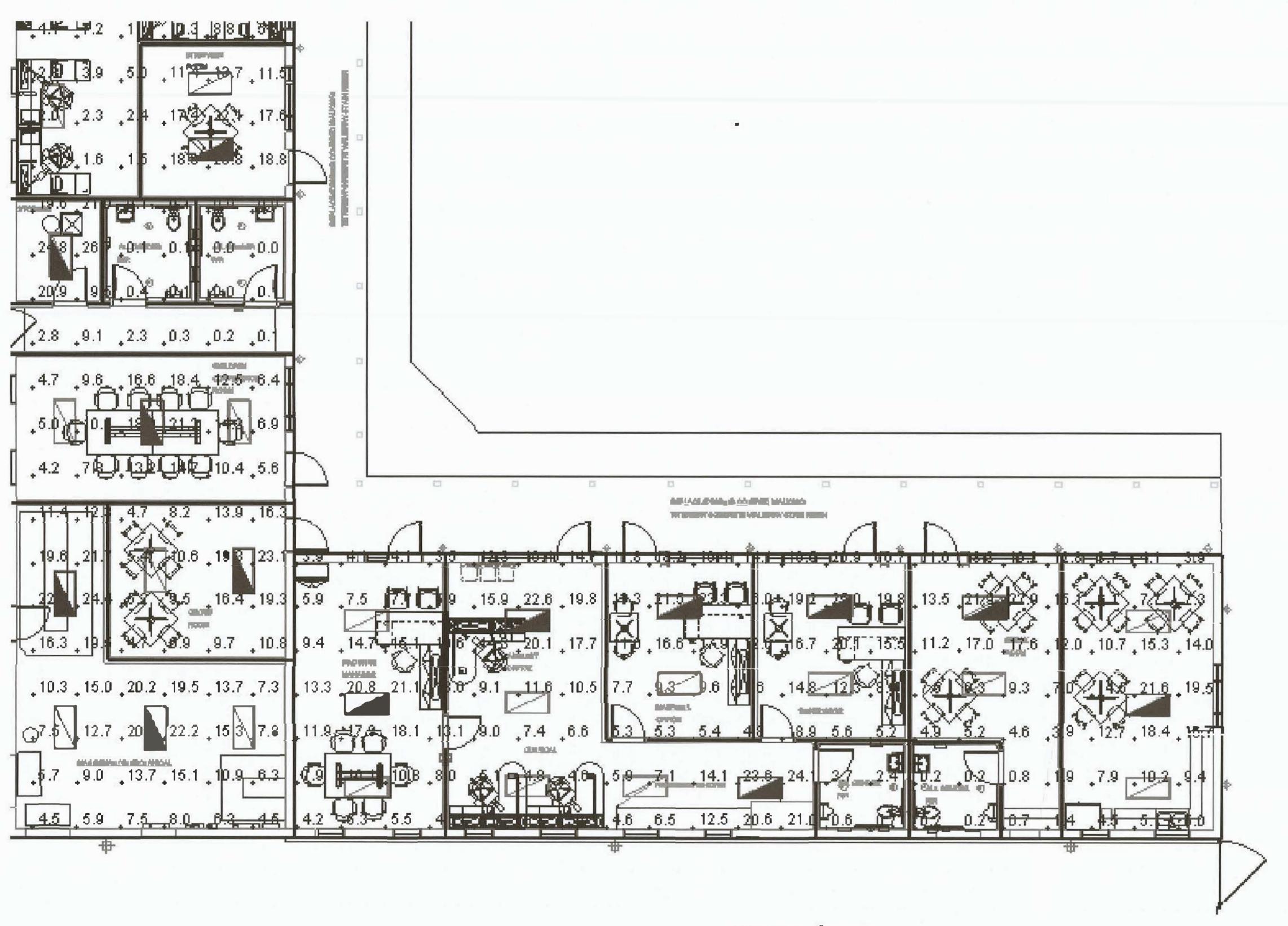
PROJECT #: 481-1

	REVISION SCHEDULE									
Δ	ISSUE	DATE								
	INITIAL SET	08-23-2022								

E2.7

EMERGENCY PHOTOMETRICS

Copy Protection



102 N 8th St El Centro

Symbol	Label	Image	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens per Lamp	Lumen Multiplie r	LLF	Wattage	Efficiency	Distribut ion	Polar Plot	Notes
	A		27	Lithonia Lighting		CPX 2x4 LED panel 4000LM 80CRI 3500K Prismatic Lens		1	CPX_2x4_4000 LM_80CRI_35K _A12.les	4858	1	1	39.2852	100%	DIRECT, SC- 0=1.23, SC- 90=1.21		WITH 90 MIN BACKUP BATTERY

Statistics							
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min	
102 N 8th St El Centro	+	10.9 fc	26.7 fc	0.0 fc	N/A	N/A	

ALL PROPRIETARY PRODUCTS/
SPECIFICATIONS SHALL INCLUDE THE
FOLLOWING "APPROVED EQUAL OR
BETTER" STATEMENT.

Electrical Engineer Of Reco

WINSTON ENGINEERING INC

8605 Santa Monica Blvd Ste 63454 West Hollywood, CA 90069 951-902-6600 info@winstoneng.com www.winstoneng.com



PROJECT NAME:

BEHAVIORAL HEALTH CLINIC REMODEL

COMMERCIAL

PROJECT ADDRESS:

120 N. 8TH STREET, EL CENTRO, CA 92243

PROJECT #: 481-1

\wedge T	REVISION SCHE	DATE		
INITI	AL SET	08-23-202		
		CA. BOXES		

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EMERGENCY PHOTOMETRICS

Copy Protection

LIGHT A

LITHONIA LIGHTING

Originality Postmen Settle Continuents Continuents Continuents

FEATURES & SPECIFICATIONS MITHOLDUS -- The P Search Edit i brond are parel featuring an external drives the constraint, reliable field potentia i beauty comfectable an Beamberrous ced mounter). Suitable for many applications such esschools, offices, it left corners race stores, bought at , beauth case facilities and other conserved a spairs. Certain arthur or correspondent and an inch being by all any he filled have for her all a factor assurants. Compatibility table by and ablegage, a femalist enterplant, all part and for which the collection of

configuration malbille, U.S. Patrat No. 10,661,784. CONSTRUCTION - The extrated derainant flure with satio while term practices excellent distalog and undown latterways. CPEC i non-profile design provides decreased besides the Deleting of a City in restricted phrough spaces. The back place and udes large of 5-box closs for in 1270/2000 at the grid collings. BLECTHICAL - Circle for Pared with Lang-Use LEBs, complete with a high-efficiency driver, provide reporter Elevation One for entended service the Grants from 70% LED larges maintenieur as 00,010 hours (174 >60,000). 4-164 derroing diver, dere to 1846 an Fearthies em-actated derroing level. CENTERS - Securialists used iss farming (108) or fundable embedde d occupancy server control (ACTIVITY) with 301 pulling for real exect On 011 (Bearing control or axes all when the space it.

yanccigizal. See gage 6 des prosé éstada et libe intrapara é vendesa servica. LISTINGS - CA coredo d'inscrite US and Constinu Landards, Sang freutoniate d'Entret. PSX Letre. Orangeligito Cornerator (Chici qualife de value. Not all verrions of this product may be ill i qualife à Please Circle the DLL Qualited Products Libert were feeten its into a large to confirm which very brease The State of the William Control of the Control of the Local State of the Control VELECULATY -- 5-year Broked minimally little in the only was starty provided and weather statements

indes spicification about courte organization of any blad. All other payers and implied wateranties are declared Complies werenly terms located at: Base Manipolemaire mit alle is a read of pol-per environment and application All velves are deal on an hyphcal habits, measured ender laboratory conditions at 15 %

Specifications subject to charge without motive

CPX LED LED Lay-in Panel

1'x 4.2'x 2'and 2'x 4

OLC NST & NOM

Series	Finte	re Dimensky	James Output	Na ST	10.30-0	Œ		Cale Property	Differen	Mary Brand
CPX LED Pared	884 A.N.a.		SORTM STOO	HOLITARIS 2200LIGE 1200Limeso			MI 820-CBI	358 35000 40K 4003L 50K 5000E	SURL Suite White A12 Prioreste A12 Pottern	PER OF JUST BY STATE OF STATE
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	2 KA	214	4000[M 4003		4908LIKHE 49:0 Lums	a'B				
Committee of the control of the cont		Pulsage		Emergen	cy Option	(mint		25.	Options	
ZT Gereria 6-100 () er	min-4	BANGET 1840 343 3674	17, 120-2774	(blank) E16 WLC	ne hattery EN Self-Charghastic bastery gasts, 1997 Constant Power, CRC corrections	(bland) 107 soft/Tiris VZITS	Test Cas Wirdense were 'Ass	is neers caearel with functif paersog # neupamty 1 east Chw Eeglidf paers g # e excupalisty errotop #	PWS1846 & pec-ula 10 yange. PWS185BLV & pac-ula clicuit vol PWS1846 Turs-table PWSLV disvotes.	e, J.O' diameter, 6 circuet d e, J.O' diameter, 2 circuet d e, J.O' diameter, 15 paope, ero voltage d Et ase & pre-nite, 3/6" 16 paope, il circulto cre d' 3.01' diameter, 15 garge d lonem d

NOTE: 1 indicates option chosen has ordering restriction or note. Please reference restrictions/notes chart on next page. Options are sorted alphanumerically.

COMMERCIAL INDOOR:

MATRICONNACTED | Nove | Driven | Seasonth HE | Promotics | Extraposit Dis-

JOT WIRELESS

CPX LED Flat Panel

Sensor@ritch JOT Enabled Wirelins Solution
Designed with contractors in retrot, the SensorSwitch JOT enabled wheless solution effers a straightforward approach to the installation and pasting of lighting finitings and europeis. Absolutely no 0-10V control evers and no mobile apps are maided with JOT enabled products, allowing for Aghinting speed installation right out of the box. Forest: Install JOT enabled flatures and controls as instructed.
 Pelet teamed the painting Lool into the printeds on the week switch; press and hold say button for 8 accounts.
 Flags Come bained, each finiture will individually dim down to 10% brightness. All products will be fully functional.

CPX LED Series Secure with integrated JOT OCC Sensors

CPX 1X4 with JOT Vertex sensor CPX 2X4 with JOT Vertex Sensor

CPX 2X2 with JOT Vertex Sensor

COMMERCIAL IN DOOP. Dis Literal Stop Carporn GA 18077 Prints. 1-800-795-5579 (7378) annu adult financia stori

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OPTION VALUE RESTRICTIONS/ NOTES Aprilia value

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NON CONFIGURABLE FIXTURES

CPX LED Flat Panel

1	Macy	Widole	Telepo	CIT	Color Tomperature		Description	UPC	Catalog Breaks
49	184	31.5	LIP-271	80	150000	1505	herd Oll Ect	191444338850	EP1 2E2 52906/635K0M
40.	126	\$7.5	QN/III	(6)	4900	1659	352 IED Pand	1111-117/50	CPS 242 3130 CMS NOT WA
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- 00	113	Я	139-211	83	3	3085	III 100 and with between	1149914 5575	CITE 2 113 ESE ESE CONTROS
46	TI;	33	W.M	93	4308E	3767	b) Up Paul with terms	LF4905485374	CERTAIN ON MINISTER
26	116	360	129-377	40	350E	23	Del LED Point	1973-16339-100	(Ps 214 4000¢,14 39¢ M2
26	131	36.9	120-277	83	49000	450	7343EBPaq4	IF GARRAGE	CAL STOROGY WALE ALS
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40	SeeSwhelhalla Feble	Sere Santachagble Table	273-277	>11	HAN COLD FIRST	Ser Switchalde Table	TAN SANIOLOUS PATER	2943104270	CAE 1219 97-81 - 200-M1, 1417
40	See Sutte Bubb Table	Say South Challe William	133-347	>11	YARKOME THE	Sau Surtidual le Tidir	1XI Switchald Panel	170991673976	CPE THE ALAN SOWN WIBLE WA
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30	See Sandalb felde	See Sudhelide y Tople	135-277	>14	Dice The	See Suits histile Table	2DI Switchable Panel	HISTORIA	PX214MOSSWN7#7
- 13	See Seembable Fible:	Sel citions (12)	130-277	18c	35000743000/5000x	See Sample to Table	2%4 Seeth Audo's Please with Battlety 1	10-915-0-(319	CENTRE THAN TOTAL
46	191	11	120-140	>61	350 6K	155	Ju2 Hat Panel	793646847436	CPS 21,2 SHOOL WISHE SVOLT HA
46	184	E	123-540	>11	4900E	3659	25-2 tlat Panyo	19341111750	CPS 2.82 BADOL IN HER LANDES WA
28	(8)	40	D>347	>11	3500k	450	204 Hat Prad	13[64]017361	CALS BY 41 BY WESK RANK I ANS
38	110	45	CD-340	>13	4000	4632	Dellafrad	11844617198	CFD 294 AUDIQUI ACE (HOLT NZ

PERFORMANCE DATA

		Situatie	Table			
Specifity	fierenduture -	Lumes Package	CCT	Lonin	Wattage	STREAMS.
-			30000	260	167	123.4
		Les Lieux	4000E	2594	987	1110
			25100	240	10.5	UZI
	CPR THE FARE COPY WAY NOT WA		1500E	9320	264	18.4
554		Middlunas	4030A	3583	702	1317
	DIRVERSE	10.11.5.11.5	9000€	3369	28,1	tms
			3266.0	3914	35.3	1006
		High Lamon	87205	4290	19.7	127
			5/300E	4009	2.35	122.9
			32660	7979	19.3	125.6
		Lenfaporis	43000	2570	10.5	138.9
			520008	2456	293	1786
	CHESTOTION SPANISH		15044	13%	26.7	169
72.3		Meditures	ANNOE	3640	225	122.7
			50000	3427	26.5	1303
		High Lames	3200 E	4131	177.5	1827
			4000E	15/3	35.1	122.5
			8XX8	4213	373	103
			75664	3863	20.54	3 (C)
		Law James	10000	6033	28,0	303
		1411.7041111	93004	3636	2186	136.5
			32984	167	36.8	127.1
254	STAN SYNTHE SUMMANS	Wedlanes	47304	530?	115	140.9
	C 15		SYDH	404	35.65	111.9
			25046	6545	12.56	Des
		High Lames	4300E	6863	(8.5)	195.2
			33000	ຜດ	59.2E	18.2

CONNELICAL MIDDOR One Lithius May (mans GA 1891) 1 None: 1-100 785 SERF (TEXT) - CONTRACTOR OF MANAGEMENT

O 2010 2012 Foury Toron Lighting the Mileglis reserved. The 02/14/22

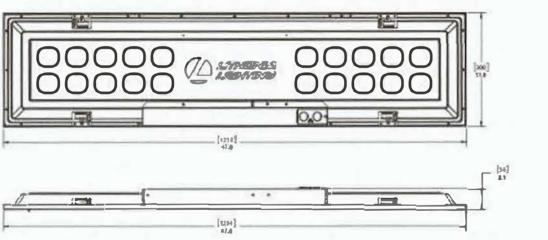
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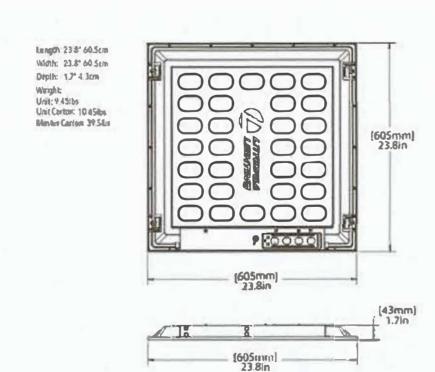
CPX LED Flat Panel

PROPELATED | here | Briefe | Street | S

DIMENSIONS

Length 47 8" 121 4cm Waldt 11.8"30 0cm Depth 21'540m Weight: Unit: 8.41fbs Unit Carlon 15. Whs





PALITHERA LIENTENS

CONSTRUM INTONI One Libraria topy Company 64 10017 Perce 1 80-705-1179 17578 WILLIAM WAS ALLER OF COMPANY OF THE PROPERTY OF T

C 200 2007 As it founds Lighting to all dights revenued. See 63/24/23

CPX LED Flat Panel

memi normalite | harr | Odens | Semenda D | Unimeda | Internectide

Delivered Lamens = 1.25 x P x LPW

the the formula below to determine the defensed largest to

P= Output power of presigning dries (MM for PSMSS)

Money i for AUTHOROUGH, not available of the SAPA.

LPN = Lures permit rating at the lurisme.

ACCESSORIES

BIT PIE W DA 10TA 10 MITE CONSERS POWER, Might (Miderite) LED Every Process for CA Tale 20 t Personal a ment tray for CM P h overy. Organial grad and matter for the recursed Secure. Crystal wie adapter for 212 recessed ficture. Organial grid adapter for 2nd recovered factors. Malti-lite Service House filt lad, Station Beach Malti-like Seriace Mount K4 2x2, Shalling Depth Milli-Use Serface Mount Est 2nd Student Depth TAKENIES FOR PAS MEDIT-USE SEPTENCE MOLES BUT TAK Pass-Paint 2729ACSW AF MIND-Use Surface Mount 62 212 Pars-Pains 2/OUDP NF Mahi-the Series Meunt Ne 2/4 Post Paint PSC 2000 16 Panel Air Civit R.E. 2 cables with 1 splitter, the Power Joed, 36 hadres. Reconversed of the 242 or 184 Panel Bistone. Pand Ab COTINE, 2 cables with Y splitter, with Power Feed, 36 Inches, Ricci materiald for IEEE or 154 Panel Picture. PRC-4DAVE 16 Pand Na Grit Kit. Featles, No Power Feed. 16 Inches. Decourrended for 2014 or 202 or 204 Pand Fintures. Panel Ab Griff RE. 4 cubits, with Power Feell, 36 inches. Becaremented to 274 or 272 or 174 Fasel Florers." Parall Au Criff RE, 2 Cables with Yuphties, to Flower Feed 72 in thes. Be unremended for 2X2 or 134 Funel Florate. Partel Air Golf Kit, 2 cables with 9 splitter, with Power Feed, 72 inches. Recommended for 248 or Dis Pand Fisture Punci Air Ciair Kit, 4 cald in, Na Pourer Feed, 72 highes. Recommended No 2014 or 2012 or 104 fund Friendes. PAC 45# 72 Plant for Chaft Kit, a cables, with Power Feed, 12 lockes. Recommended the 254 or 202 or 184 Panel Fox ares. 9 100407298 Dicentel Fing 80F, 79de Pailegrof 1 FRESOF 3P U Discomect Plag SOPL 3 Pale, Package of 1

Emergency Battery Pack Options - Field Installable

FIXED P 2 134 December Plus (607), 2 Pole, Padage of 10

190807 29 146 Ditennett Plug (IDPL 2 Pale Palage of 40

Extery (david Residue)	Top	Street,	Louis Output"	Deber		
LO DOT HIA	2W	170	640	Stoners Shortley 7 - Book Raedido		
LO CTO A	1040	90				
LINE CPIONE SOA	10W	90	(50)	Thie 24, Self Diagnostic		
REPORTS HE SO A	15W	90	[89]	Title 34, Self Daymork		
AN CPADRE A	2010	90.	2409	\$25e Zi)		
(B) MOVING	20W	90	2493	Ticle 24. Self the grounds		

right principal terror of the property of an indicate the second principal formation and the second of the second The CP10 deleted enveryment illumination outperforms legacy F400 Luven faurement enveryment à lieu.
Please commet us at prachatous performe qui expériment fauret faure faure faure partiers quient enveryment.

Lumen Maintenance

Reported Lumen Maintenance Forested Lames Makshen, page 190 ⊕ 52k Hm / 180 ⊕ >60k Hm / 170 ⊕ >60k Hm | 190 ⊕ 52k Hm / 180 ⊕ 108k Hm / 170 ⊕ 170k Hm "Note - Reported LM based on IES standard SX test period for LM-80 report. Forecasted LM based on TM-21 report extrapolation past 6X LM-80 testing.



Server Switch"

WSC-10 and 5,800 wall and where



PHOTOMETRICS See www.lithcom.com dor p hotomerry reports.

LA UTANAS USHTING

CONSTRUCTOR OF LIAMENTED CORRES GA 18012 FROM: 1 400 706-5181/73/18 washand/grandham

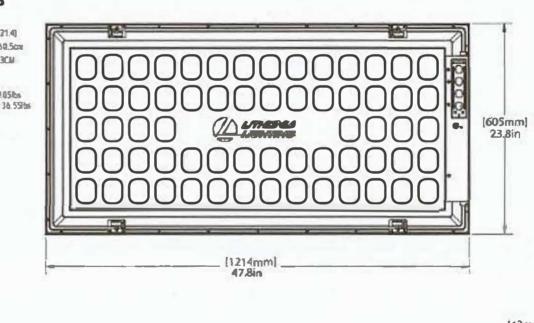
© 2020 2022 Acity Speed Lighting Inc. (Marghtin reserved. hrs. \$2) 24/22

CPX LED Flat Panel

CONTRACTOR | Same | Crimer | Salaring Ell | Promoter | Schemistifico

OIMENSIONS

Length: 47.8 (121.4) Widdl: 23.8" 69.508 Depths 13' 4.3CM Weight: Unit 17.0506 Master Carbadi 36.558



PA WINDAWA LIBATING COMMITTINE REPORT CONTRACTOR (Comm. GA 3201) Free 1-450-705-418/ (CIVIL) WARRANTY CONTRACTOR © 7000-2072 Act to Gund Charles III. All Safes armed the Chill City

ALL PROPRIETARY PRODUCTS/ SPECIFICATIONS SHALL INCLUDE THE **FOLLOWING "APPROVED EQUAL OR** BETTER" STATEMENT.

Electrical Engineer Of Record

8605 Santa Monica Blvd Ste 63454 West Hollywood, CA 90069 951-902-6600 info@winstoneng.com www.winstoneng.com



PROJECT NAME:

BEHAVIORAL HEALTH CLINIC REMODEL

COMMERCIAL

DATE

PROJECT ADDRESS:

120 N. 8TH STREET, EL CENTRO, CA 92243

PROJECT #: 481-1

REVISION SCHEDULE 08-23-2022 INITIAL SET

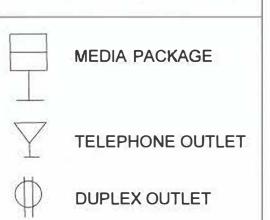
EMERGENCY PHOTOMETRICS DETAILS

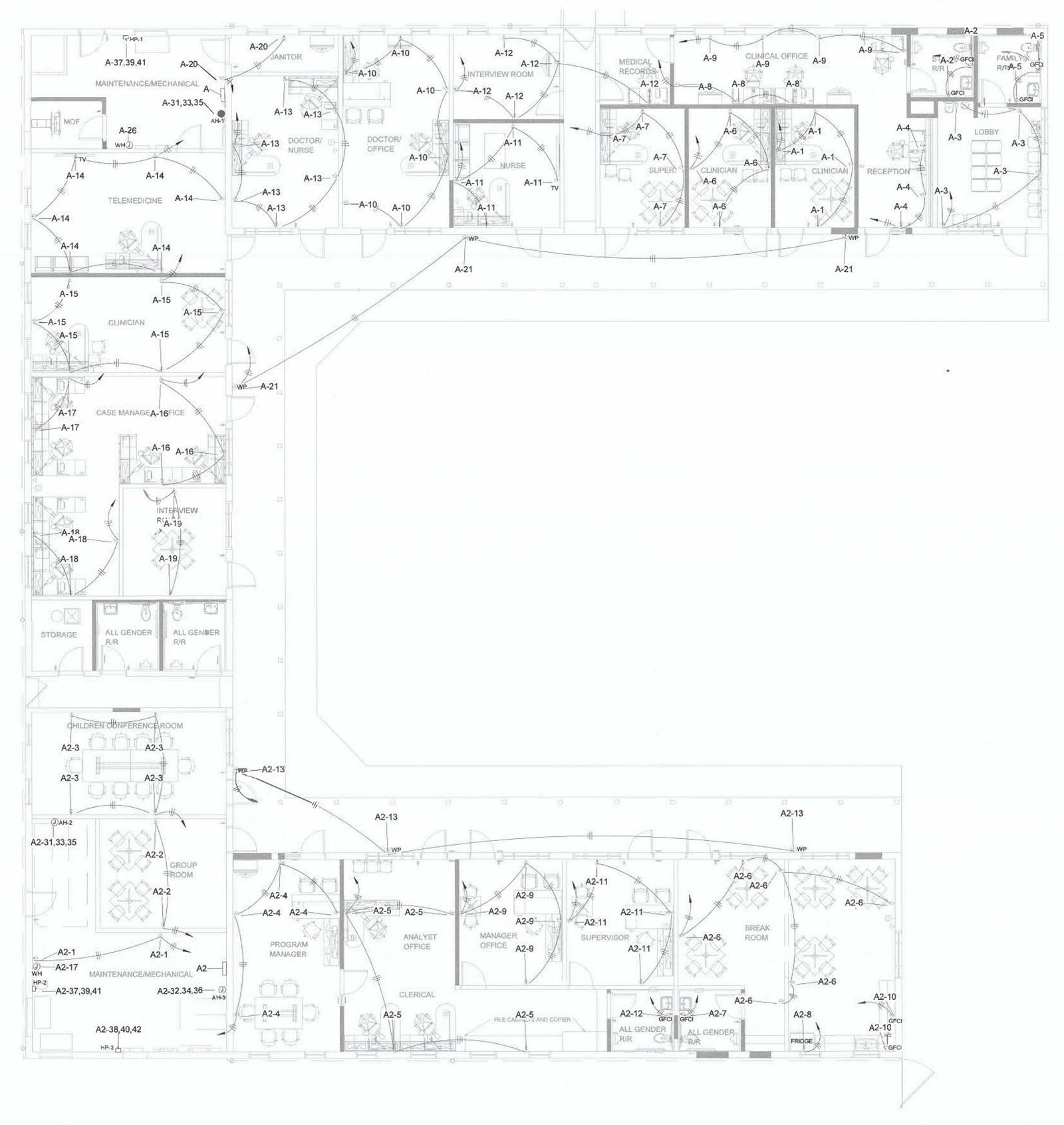
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GENERAL NOTES

1. ALL DUPLEX RECEPTACLES SHALL HAVE A CONTROLLED AND UNCONTROLLED RECEPTACLE IN ALL OFFICES, CONFERENCE ROOMS AND LOBBIES.

LEGEND





1 POWER PLAN
Scale 1/8" = 1'-0"

ALL PROPRIETARY PRODUCTS/
SPECIFICATIONS SHALL INCLUDE THE
FOLLOWING "APPROVED EQUAL OR
BETTER" STATEMENT.

Bectrical Engineer Of Record

WINSTON ENGINEERING INC

8605 Santa Monica Blvd Ste 63454 West Hollywood, CA 90069 951-902-6600 info@winstoneng.com www.winstoneng.com



PROJECT NAME:

BEHAVIORAL HEALTH CLINIC REMODEL

COMMERCIAL

PROJECT ADDRESS:

120 N. 8TH STREET, EL CENTRO, CA 92243

PROJECT #: 481-1

REVISION SCH	HEDULE
ISSUE	DAT
INITIAL SET	08-23-20

E3.0

POWER PLAN

Copy Protection

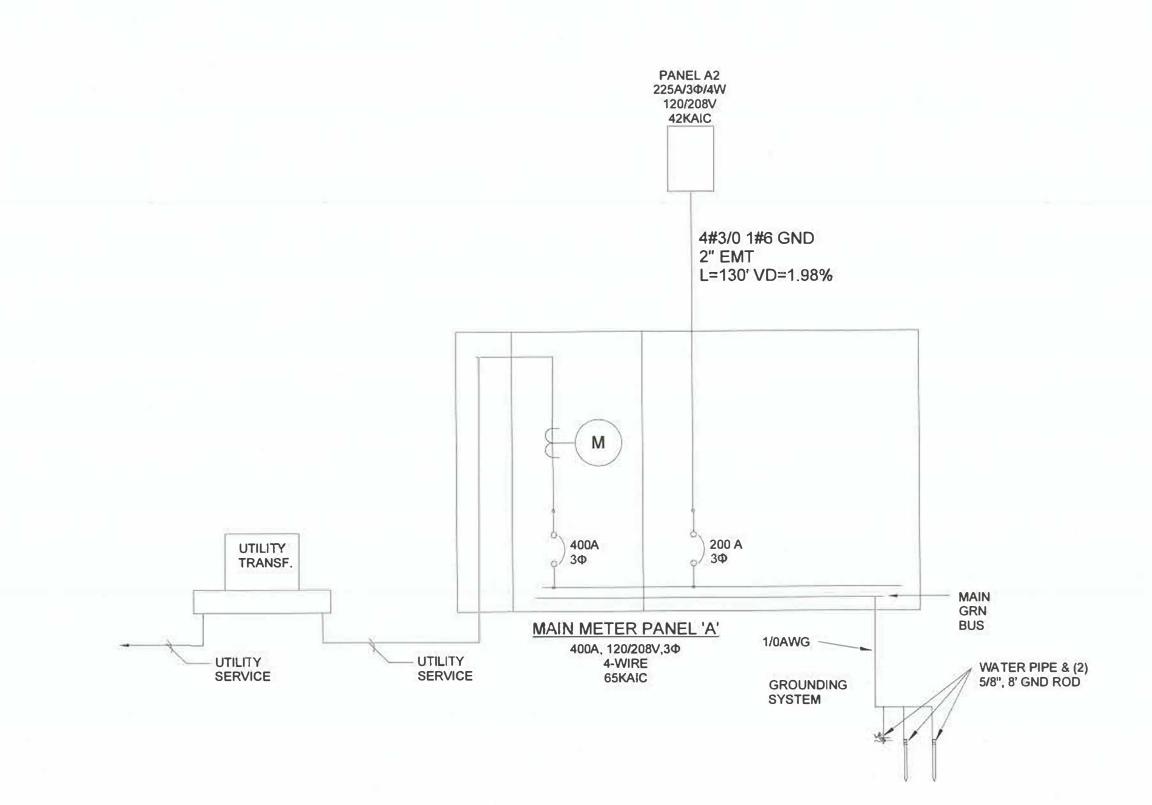
GENERAL NOTES

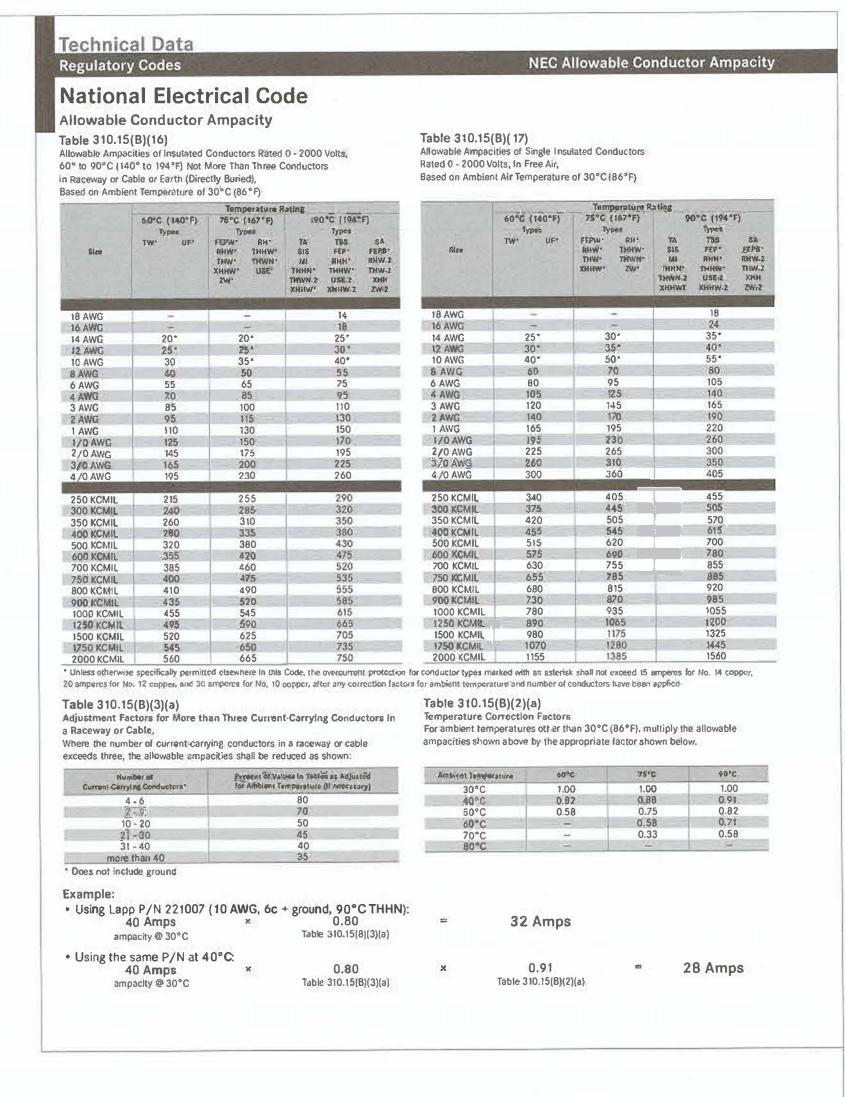
1. INSTALLER TO FIELD VERIFY CONDUCTOR LENGTHS.

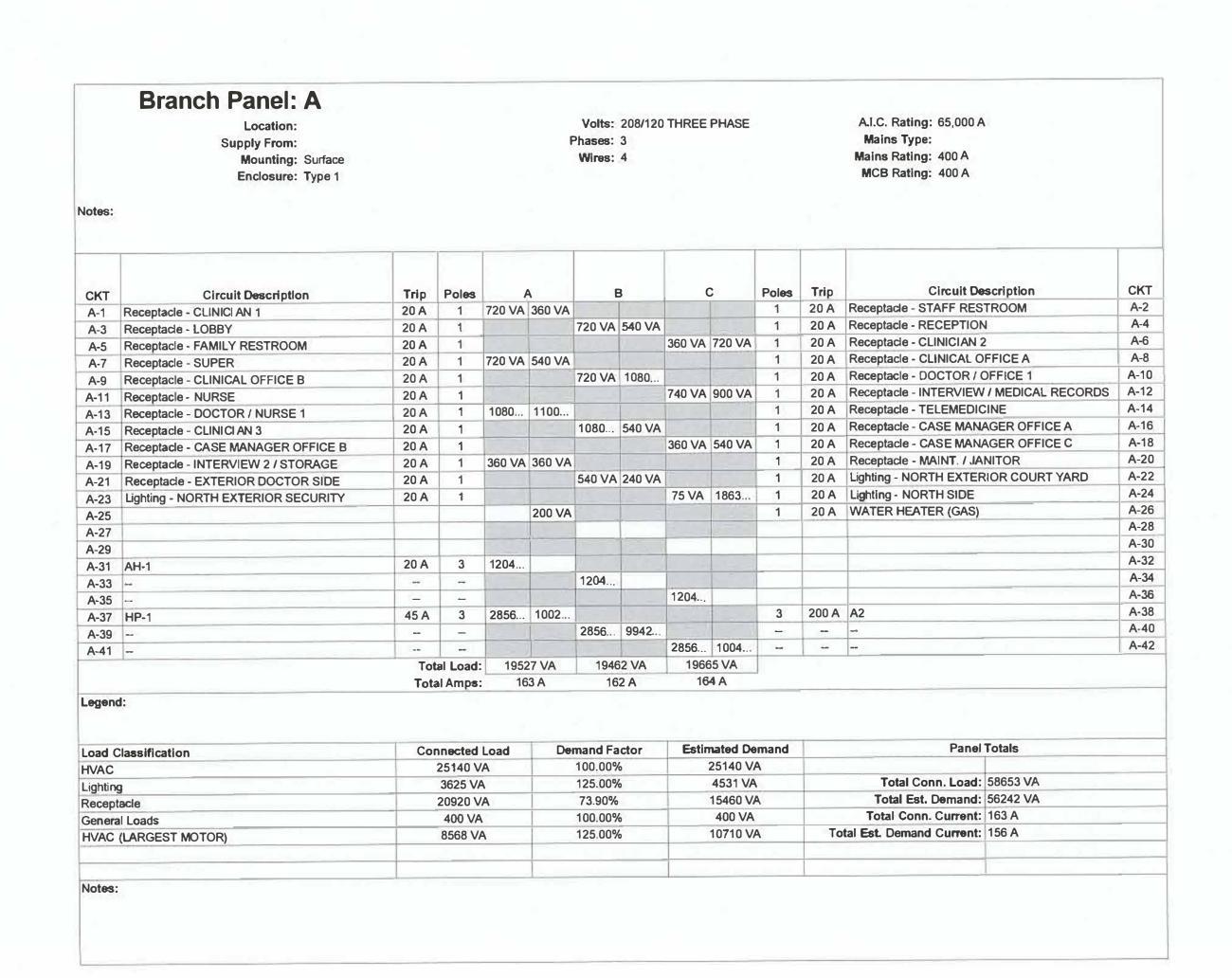
2. WIRE SIZES SHALL MATCH CIRCUIT BREAKER AMPACITIES UNLESS NOTED OTHERWISE OR PER MANUFACTURER SPECIFICATIONS.

3. A CURRENT FAULT LETTER SHALL BE REQUIRED FROM ELECTRICAL SERVICE PROVIDER PRIOR TO ORDERING AND INSTALLING OF ANY ELECTRICL DISTRIBUTION EQUIPMENT TO ENSURE PROPER AIC RATINGS.

ALL PROPRIETARY PRODUCTS/
SPECIFICATIONS SHALL INCLUDE THE
FOLLOWING "APPROVED EQUAL OR
BETTER" STATEMENT.







	Branch Panel: A2 Location: Supply From: A Mounting: Surface Enclosure: Type 1				F	Volts: Phases: Wires:	3	THREE	PHASE			A.I.C. Rating: 42,000 A Mains Type: Mains Rating: 225 A MCB Rating: 200 A		
Notes:														
										ng g		0,,40	1-41	СКТ
CKT	Circuit Description	Trip	Poles	A		E	3		3	Poles	Trip	Circuit De		A2-2
A2-1	Receptacle - MAINT. 2	20 A	1	360 VA	360 VA						20 A	Receptacle - GROUP RO		A2-4
A2-3	Receptacle - CHILDREN CONFERENCE ROOM	20 A	1			720 VA	720 VA	700 \ /4	1000	1	20 A	Receptacle - PROGRAM		A2-6
A2-5	Receptacle - ANALYST OFFICE	20 A	1	10014	10014	EL		720 VA	1080		20 A	Receptacle - BREAK ROO		A2-8
A2-7	Receptacle - BREAK RM RESTROOM	20 A	1	180 VA	180 VA		20214			1		Receptacle - BREAK RM		A2-0
A2-9	Receptacle - MANAGER OFFICE	20 A	1			720 VA	360 VA	70014	400 \ / 4	1	20 A	Receptacle - BREAK RM		A2-1
A2-11	Receptacle - SUPERVISOR	20 A	1					720 VA	180 VA	1	20 A	Receptacle - OFFICE RE	STROOM	A2-1
A2-13	Receptacle - EXTERIOR MANAGER SIDE	20 A	1	540 VA	1260		75.14			1	20 A	Lighting - SOUTH SIDE	NOD SECUDITY	A2-1
A2-15	Lighting - SOUTH EXTERIOR COURT YARD	20 A	1			200 VA	/5 VA	00014		1	20 A	Lighting - SOUTH EXTER	IOR SECURITY	A2-1
	WATER HEATER (GAS)	20 A	1					200 VA	Į.					A2-1
A2-19									-					A2-2
A2-21			-		4 3 4									A2-2
A2-23			-			100								A2-2
A2-25							-							A2-2
A2-27								2						A2-2
A2-29			-	1001	1001					2	20 A	AH-3		A2-3
A2-31	AH-2	20 A	3	1204	1204	4004	4004			3		VII-2		A2-3
A2-33	0.0	-	7			1204	1204	1204	1204					A2-3
A2-35		45.4		2050	4004			1204	1204	3	25 A	HP-3		A2-3
A2-37		45 A	3	2856	1884	2050	1004				22 Y	UL-2		A2-4
A2-39			70			2856	1004	2956	1884					A2-4
A2-41		T-4		1000	71/6	004	2 \ / /		17 VA					712 1
			al Load:	-	7 VA		2 VA		1 A	J				
Legeno									nated De	mand		Panel	Totals	
	lassification		nected 21497 V		Del	mand Fa 100.00%			21497 V			1 21101	. 5.010	
HVAC		-	1480 V			125.00%			1850 VA			Total Conn. Load:	30016 VA	
Lighting			6840 V			100.00%		_	6840 VA			Total Est. Demand:		
Recept			200 VA			100.00%			200 VA			Total Conn. Current:		
Genera	Loads		200 VA			100.007			200 47		То	tai Est. Demand Current;		
Notes:														

Electrical Engineer Of Record

WINSTON ENGINEERING IN

8605 Santa Monica Blvd Ste 63454 West Hollywood, CA 90069 951-902-6600 info@winstoneng.com www.winstoneng.com



PROJECT NAME:

BEHAVIORAL HEALTH CLINIC REMODEL

COMMERCIAL

PROJECT ADDRESS:

120 N. 8TH STREET, EL CENTRO, CA 92243

PROJECT #: 481-1

REVISION SCHEDULE

ISSUE DATE
INITIAL SET 08-23-2022

=4.0

SINGLE LINE DIAGRAM

Copy Protection

TI TO OF OUR FORMA				
TATE OF CALIFORNIA				
Indoor Lighting				CALIFORNIA ENERGY COMMIS
BERTIFICATE OF COMPLIANCE				NRCC
This document is used to demons path.	trate compliance with requirements in §110	9, <u>5110.12(c)</u> , <u>5130.0</u> , <u>5130.1</u> , <u>514</u>	0.6 and §141.0/b]2 for indo	or lighting scopes using the prescriptive
Project Name:		(Page 1		
Project Address:		Date Prepared:		2022-08-18721:5-7:09-
A. GENERAL INFORMATION				
01 Project Location (city)	El Centro	04 Total Cond	litioned Floor Area (ft ²)	7,689
02 Climate Zone	15	05 Total Unco	anditioned floor Area (ft²)	0
03 Occupancy Types Within Proje	ect (select all that apply):	06 # of Storie	s (Habitable Above Grade)	1
Healthcare Facility Office				
B. PROJECT SCOPE				
This table includes any lighting sy:	stems that are within the scope of the perm	t application and are demonstration	ng compliance using the prese	criptive path outlined in §140.6 or

B. PROJECT SCOPE					
This table includes any lighting systems that are within the scope of the p_{10}	permit application and are demonstrating co	mpliance using the p	rescriptive path outlined in §1	40. <u>6</u> or	
Scope of Work	Conditioned Space	es	Unconditioned Spaces		
01	02	03	04	OS	
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)	
New Lighting System	Complete Building Method	7689	N/A	.0	
□ New Lighting System - Parking Garage	N/A	0	N/A	0	
Total Area of Work (ft²)	7689				

f any cell on this tabl	e says "DOES!	NOT COMPLY"	or "COMP'LIES	with Exception	al Co	inditions "sefe	rto	Table D. for gui	dance.			
		Allowed Ught	ing Power per	5140,6(b) (Wa	atts)			Adjusted Ligi	nting Power per	<u> 514</u>	0.6(a) (Watts)	Compliance Results
UghtingIn	01	02	03	04		OS	1	06	07		08	09
conditioned and unconditioned spaces must not be combined for compliance per \$140.6(b)1			Area Category Additional 5140.6(c)25 (+)	Tallored §140.6(c)3 (+)	24	Total Allowed (Watts)	1		Adjustments			
	Complete Building §1405(c)1	Area Category 5140 6(c)2					5	Total Designed (Watts)	Designed Control Credits	=	Total Adjusted (Watts) *Includes Adjustments	0S must b e>≥ 08 §140.6
	(See Table I)	(See Table I)	(See Table J)	(See Table K)				(See Table F)	(See Table P)			
Conditioned	4.997.85				Ξ	4,997.85	2	3,015	(=	3015	COMPLIES
Unconditioned					±		2			=	22	

Registration Number:	Registration Date/Time:	Registration Provider: Energy Code Ace
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance	ReportVersion: 2019.1.003	Project ID: 72464
	Schema Version: rev 20200601	Report Generated: 2022-08-1818:57:20

Indoor Lighting		CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE		NRCC-LT
Project Name:	481-1 102 N 8th St Report Page:	Page 4 of
Project Address:	Date Prepared:	2022-08-18\(\tau\)23:57:09-04:
J. ADDITIONAL ALLOWANCE: AREA CATEGO	RY METHOD QUALIFYING LIGHTING SYSTEM	
This section does not apply to this project.		
K. TAILORED METHOD GENERAL LIGHTING	POWER ALLOWANCE	
This section does not apply to this project.		
L ADDITIONAL LIGHTING ALLOWANCE: TAI	LORED WALL DISPLAY	
This section does not apply to this project.		
M. ADDITIONAL LIGHTING ALLOWANCE: TA	ILORED FLOOR AND TASK LIGHTING	
This section does not opply to this project.		
N. ADDITIONAL LIGHTING ALLOWANCE: TAI	LORED ORNAMENTAL/SPECIAL EFFECTS	
This section does not opply to this project.		
O. ADDITIONAL LIGHTING ALLOWANCE; TA	LORED VERY VALUABLE MERCHANDISE	
This section does not apply to this project.		
P. POWER ADJUSTMENT: LIGHTING CONTRO	DL CREDIT (POWER ADJUSTMENT FACTOR (PAF))	
This section does not apply to this project.		
Q. RATED POWER REDUCTION COMPLIANC	E FOR ALTERATIONS	
This section does not apply to this project.		4-2
R. 80% LIGHTING POWER FOR ALL ALTERAIT	IONS - CONTROLS EXCEPTIONS	
This section does not apply to this project.		
S. DAYLIGHT DESIGN POWER ADJUSTMENT	FACTOR (PAF)	
Thissection does not apply to this project.		

Registration Date/Time:

ReportVersion: 2019.1.003

Schoma Version: rev 202.00601

Registration Provider: Energy Code Ace

Report Generated: 2022-08-18 18:57:20

Project ID: 72464

Registration Number:

CORRIDORS AND STARWELLS

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Indoor Lighting	Mandatory Measures:
	OLS AND COMPONENTS . DEVICES AND SYSTEMS, AND ALL LIGHT SOURCES SHALL MEET THE APPLICABLE REQUIREMENTS OF 110.9.
	AIRE REQUIREMENTS BE FACTORY-LABELLED PER 130.0(c). T CONTROL SYSTEMS (EMCS) SHALL MEET REQUIREMENTS OF 130.0(e).
130.1(a) MANUAL ARE. EACH ROOM OR AREA ' AND OFF MANUAL CON	WITH FLDDR-TO-CEIUNG WALLS IN THIS BUILDING SHALL HAVE LIGHTING CONTROLS THAT ALLOW LIGHTING TO BE MANUALLY TURNED ON
1. BE READILY ACCESSIE	LE
2. BE LOCATED IN THE S	AME ENCLOSED AREA WITH THE LIGHTING IT CONTROLS.
	ONTROL OF GENERAL, FLOOR, WALL, WINDOW CASE DISPLAY, ORNAMENTAL AND SPECIAL EFFECTS LIGHTING SO EACH TYPE CAN BE TURNED LY WITHOUT AFFECTING OTHER LIGHTING OR EQUIPMENT.
	IGHTING CONTROLS ALL ROOMS AND AREAS 100 FT2 OR GREATER AND WITH IMORE THAN 0.S WATTS PER FT2 OF LIGHTING LOAD SHALL HAVE MULTILEVEL V LIGHT LEVELS TO BE ADJUSTED UP AND DOWN. CONTROLS SHALL PROVIDE NUMBER OF CONTROL STEPS AND UNIFORM LIGHT LEVELS PER
130.1(c): SHUTOFF CON ALL INSTALLED INDOOR	ITROLS LIGHTING SHALL BE EQUIPPED WITH CONTROLS TO AUTOMATICALLY REDUCE LIGHTING POWER WHEN SPACE IS TYPICALLY UNOCCUPIED.
A. CONTROL(S) CAPABL TIME-SWITCH CONTRO B. SEPARATE CONTROLS	LIGHTING SHALL HAVE ALL OF THE FOLLOWING: E OF AUTOMATICALLY SHUTTING OFF ALL LIGHTING IN THE SPACE WHEN TYPICALLY UNOCCUPIED (OCCUPANT SENSING CONTROL, AUTOMATIC
C. SEPARAITE CONTROL	FOR A SPACE ENCLOSED BY CEILING HEIGHT PARTITIONS NOT EXCEEDING 5,000 FT2
D. SEPARATE CONTROL	S FOR GENERAL, DISPLAY, ORNAMENTAL, AND DISPLAY CASE LIGHTING
E. AUTOMATIC TIMES	NITCH CONTROLS MAY INCLUDE MANUAL-ON MODE
	N TIMER SWITCHES WITCHES ONLY ALLOWED TO MEET SHUT-OFF REQUIREMENTS IN CLOSETS < 70 FT2 AND SERVER AISLES IN SERVER ROOMS. MAXIMUM TIMER FOR CLOSETS, 30 MINUTES FOR SERVER AISLES
PROVIDE PARTIAL OR F	ULL-OFF OCCUPANT SENSORS JLL-OFF OCCUPANT SENSORS, IN ADDITION TO SHUTOFF CONTROLS PER 130.1(c)1 AND 130.1(c)2, IN THE FOLLOWING SPACES: OPEN AREAS IN WAREHOUSES TACK AISLES

door Ligi	nting							CALIFORNIA	NENERGY CO	OMMISSIO
	COMPLIANCE							CALIFORNIA	TEMENOT C	NRCC-LD
ject Name:			6	81-1102N 8th	St Report Page:	*				(Page 2 of
Ject Address:					Date Prepared:			51	022-08-18T21	:57:09-04:0
COMPLIAN	CE RESULTS									
		200	-200	23.00	Co	ntrols Complian	ce (See Table H f	or Dotaffs)	COMPL	IES
					Rated Power Red	ection Complian	ce (See Table Q fo	or Details)		
EXCEPTION	IAL CONDITIONS			A						
is table is au	to-filled with uneditable comm	nents because o	f selections made	de or data ente	ered in tables throu	ighout the form.				
ADDITION	AL REMARKS									
is toble inclu	des remarks made by the pern	nit applicant to	the Authority H	aving Jurisdict	tion.					
INDOOR LIC	SHTING FIXTURE SCHEDUL	E.			19151				1 - 1	
is toble inclu	des all permanent designed lig	ghting and all p	ortable lighting	In offices.						
signed Watt	age: Conditioned Spaces									
01	02	03	04	05	06	07	08	09	1	0
me or Item	Complete Luminaire	Modular Si	Small	Watts per	How is Wattage	Total Number	Excluded per	Design Watts	Field Inspector	
Tag	Description	(Track) Fixture	Aperture & Color Change ¹	luminaire ²	determined	of Luminaires	5140.6[a]3		Pass	Fall
4 / 2X4 EM	2X4 LED Flat Panel / 2X4 LED Flat Panel with backup battery	No	No	39	Mfr. Spec	69	No	2,691		0
6°	6" LED Downlight	No	No	18	Mfc. Spec	18	No	324		
					Total Design	ed Watts: CONG	ITIONED SPACES	3,015		
s adjustmen	esign Wotts for small aperture , the permit applicant should ing Jurisdiction may ask for Lu	enter full rated	wattage in colu	mn 05.						
MODULAR	LIGHTING SYSTEMS		14,041	-						
is section da	es not apply to this project.									
3 Section 60	es not apply to this project.									
	mhar.			Regist	ration Date/Time:			Registration P	rovider: Enem	ev Code Acr
egistration Nu	illoci.								100	

STATE OF CALIFORNIA		
Indoor Lighting		
NACC-LTI-E		CALIFORNIA ENERGY COMMISS
CERTIFICATE OF COMPUANCE		NRCC-1
ProjectName:	481-1 102 N 8th St Report Page:	(Page 5
Project Address:	Date Prepared: 2022-08-18T2	
T. DECLARATION OF REQUIRED CERTIFIC	A:TES OF INSTALLATION	
Additional Remarks. These documents must be	ntion provided in this document. If ony selection have been changed by permit opplica to provided to the building inspector during construction and can be found online at dords/2019_compilance_documents/Nanresidential_Documents/NRCI/	nt, on explanation should be Included in Table E.
the said the service sec	Form/Title	
NRCI-L.TI-01-E - Must be submitted for all buil	dings	
NRCI-LTI-02-E- Must be submitted for a lighting	ng control system, or for an Energy Management Control System (EMCS), to be recogn	nized for compliance,
U. DECLARATION OF REQUIRED CERTIFIC	TATES OF ACCEPTANCE	
Additional Remarks. These documents must be	tion provided in this document. If any selection have been changed by the permit opp be pravided ta the building inspector during construction and ony with "-A" in the forn . For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html	
	Form/Title	Systems:/Spaces To Be Fit Verified
NPCA LTLO2-A - Must be submitted for occur	pancy sensors and automatic time switch controls.	Whole Building

130.1(f) CONTROL INTERACTIONS	
	ED TO MEET 130.1 REQUIREMENTS SHALL INCORPORATE THE FUNCTIONS OF OTHER LIGHTING CONTROLS REQUIRED BY THIS
1. FOR GENERAL LIGHTING, MANU SPECIFIED IN 130.1(b), (c). (d) and	AL AREA CONTROL SHALL PERMIT THE LEVEL OF LIGHT PROVIDED WHILE LIGHTING IS ON TO BE SET OR ADJUSTED BY CONTROLS (e).
2. MANUAL AREA CONTROL SHALL	PERMIT SHUTOFF CONTROL TO TURN THE LIGHTING DOWN OR OFF.
3. MULTILEVEL CONTROL SHALL PE	RMITTHE AUTOMATIC DAYLIGHTING CONTROLTO ADJUST ELECTRIC LIGHTING IN RESPONSE TO DAYLIGHT.
4. MULTILEVEL CONTROL SHALL PE THE CONTROL AFTER THE EVENT.	RMITTHE DEMAND RESPONSIVE (DR) CONTROL TO ADJUST LIGHTING DURING A DR EVENT THEN RETURN IT TO THE LEVEL SET B
S SHUTOFF CONTROL SHALL PERM	IT THE MANUAL AREA CONTROL TO TURN THE LIGHTING ON.
6. AUTOMATIC DAYLIGHTING CON	TROL SHALL PERMIT MULTILEVEL LIGHTING CONTROL TO ADJUST THE LIGHTING LEVEL.
	MULTILEVEL LIGHTING CONTROLS AND OCCUPANT SENSING CONTROLS THAT PROVIDE AUTOMATIC-ON FUNCTION, CONTROLS ICTION THAT IS CAPABLE OF AUTOMATICALLY ACTIVATING BETWEEN 50-70% OF CONTROLLED LIGHTING POWER.

Registration Date/Time:

Report Version: 2019.1.003

Schema Version: rev 20200601

Registration Provider: Energy Code Ace

Project IO: 72464 ReportGenerated: 20/22-08-18 18:57:20

Registration Number:

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Indoor Lighting NRCC-LTI-E
CERTIFICATE OF COMPLIANCE
Project Name: CALIFORNIA ENERGY COMMISSION Project Address: 2022-08-18121:57:09-04:00 H. INDOOR LIGHTING CONTROLS (Not including PAFs) This table includes lighting controls for conditioned and unconditioned spaces. When a control having a * is shown, the nates section of this table provides more detail on how compliance is achieved. The lighting controls section of the Compliance Summory Toble on the first page will show "DOES NOT COMPLY" if the notes are left blank. **Building Level Controls** Field Inspector Mandatory Demand Response §110.12(c) Shut-off controls §130.1(c) Not Required <= 10,000 SF See Area/Space Level Controls Area Level Controls Complete Building or Area Multi-Level Controls Shut-Off Controls

5130,1(c)

Shut-Off Controls

Daylighting
5130,1(d)

Secondary
Daylighting
Systems
5140,6(d)

Systems
5140,6(d) Field Inspector Area Description Category Primary Function 5130.1(a) 6130,1(b) Whole Building Office N/A Occupancy Sensor ON/OFF *NOTES: Controls with a * require a note in the space below explaining how compliance is achieved. EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 Plan Sheet Showing Daylit Zones: I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS Each area complying using the Complete Building or Area Category Methods per §140.6[b] are included in this table. Column 06 indicates if additional lighting power allowances per §140.6(c) or adjustments per §140.6(d) are beingused. Conditioned Spaces Allowed Wattage | Additional Allowance / Adjustment Complete Building or Area Category Primary llowed Density Area Description Area (ft²) (Watts) Area Category PAF (W/ft²) Function Area 4,997.85 0,65 No No TOTALS: 4,997.85 See Tables J, or P for detail Registration Date/Time: Registration Provider: Energy Code Aco CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003

Schema Version: rev 20200601

STATE OF CALIFORNIA

Oty/State/Dip: WEST HOLLYWOOD, CA 90069

Registration Number:

STATE OF CAUFORINA		
Indoor Lighting		
NRCC-UI-E	CALIFORNIA ENERG	SY COMMISSIO
CERTIFICATE OF COMPLIANCE		NRCC-LTI
Project Name:	481-1 102 N 8th StReport Page:	(Page 6 of
Project Address:	Date Prepared: 2022-08-1	18T21:57:09-04:0
DOCUMENTATION AUTHOR'S DECLARATION	STATEMENT	
I certify that this Certificate of Compliance	documentation is accurate and complete.	
Documentation Author Hante:	Occumentation Author Signature:	
Nick Corley	The Chille	
Сотранту:	Signature Date: 08/23/2022	
Winston Engineering		
Address: B605 SANTA IADNICA BLVD STE 83454	CEAV HERS Certification (dentification (if applicable):	
CAY/State/20: WEST HOLL'(WOOD, CA 90069	Phone: 951-902-6600	
RESPONSIBLE PERSON'S DECLARATION ST	TEMENT	
t certify the following under penalty of perjury, under the	rs of the State of California:	
1. The Information provided on this Certificate of	on pliance is true and correct.	
2. I am eligible Under Division 3 of the Business	Professious Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)	
 The energy features and performance specific of Tible 24, Part 1 and Part 60f the California 	ons, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to see if Regulations.	o the requiremen
	atures identified on this Certificate of Compérance are consistent with the information provided on other applicable compliance documents, worksheet ement agency for approval with this building permit application.	ts., cakulations,
	s Consilicate of Compilarice shall be made available with the building permit(s) issued for the building, and made available to discentence agency to copy of this Certificate of Compilarice is required to be included with the documentation the building or or other building owner at occupancy.	for all applicable
Responsible Designer Name: Anthony Winston III	Responsible Designer Stenature:	

Date Signed: 08/23/2022

Licante: E20881 Phone: 951-902-6600

Registration Date/fime: Registration Provider: Energy Code Ace CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.2.003 Project ID: 72464 Schema Version: rev 20200601 Report Generated: 2022-08-18 18:57:20

ALL PROPRIETARY PRODUCTS/

BETTER" STATEMENT.

SPECIFICATIONS SHALL INCLUDE THE

FOLLOWING "APPROVED EQUAL OR

Bectrical Engineer Of Record

8605 Santa Monica Blvd Ste 63454 West Hollywood, CA 90069 951-902-6600 info@winstoneng.com www.winstoneng.com



PROJECT NAME:

Report Generated: 2022-08-18 18:57:20

BEHAVIORAL HEALTH CLINIC REMODEL

COMMERCIAL

PROJECT ADDRESS:

120 N. 8TH STREET EL CENTRO, CA 92243

PROJECT #: 481-1

	REVISION SCHEDULE					
Δ	ISSUE	DATE				
	INITIAL SET	08-23-2022				

TITLE 24 FORMS

Copy Protection

ERIIF	TO-E TCATE OF COMPLIANCE									NRCC-1.TO-E
rolec	t Name:			481-1 102 N 8th 5	Report Pa	ge:				(Page 1 of 8)
rojec	a Address:		Darte Prep	ared:			2022-08-18	722:17:26-04:00		
A. GE	ENERAL INFORMATION							FERE		
01	Project Location (city)	ElCen	tro		0.4	T	- d	15670		
02	ClimateZone	15			O4 Total Illuminated Hards		ardscape Area (Tt*)	15670		
03	Outdoor Lighting Zone per Title 24 Part	§10.1	14 or as desi	gnated by Authority Ha	ving Jurisdi	ction (AHJ):				
	IZ-0: Very Low - Undeveloped Parkland		☐ IZ-2: Moderate - Rural Areas			LZ-4: High - Must be	e reviewed by CA En	ergy Commission	for Appro	ıval
0	LZ-1: Low - Developed Parkland	×	LZ-3; Moder	ately High - Urban Ar e a	s					
lhis t	OJECT SCOPE oble includes outdoor lighting systems tha QLb121_for olterations.	t ore w	vithin the scop	e of the permit opplica	tion and ar	e demonstrating com	ppliance using the pr	escri ⁱ ptive path o	utlined in	§140.7 or
My P	roject Consists of:									
	01						02			
New Lighting System		Must Comply with Allowances from §140.7								
C	☐ Altered Lighting System		Is your alteration inci	on increasing the connected lighting load (Watts)?		oad (Watts)?	Yes	0	No	
	03				04			05		1200
% of Existing Luminaires Being Altered 1				Sum Total of Lumin	aires Being	Added or Altered		Calculation Met	hod	
	<10% >= 10% pad < 50%		>= 50%							
0										

Registration Date/Time: Registration Provider: Energy Code Ace Registration Number: Project tD: 72464 CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generaled: 2022-08-18 19:17:32 Schema Version: rev 20200601

STATE OF CALIFORNA **Outdoor Lighting** CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE (Page 4 of 8 Project Name: 2022-08-18722:17:26-04:00 Project Address: H. OUTDOOR LIGHTING CONTROLS This table demonstrates compliance with controls requirements for all new or altered iuminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (le untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by When on option having o * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank. Mandatory Controls Field Inspector Auto-Schedule Motion Sensor Area Description 5130.2(c)2 5130.2(c)3 6130.2(c)1 Pass Fall General Area: SPC12 Astronomical Timer Security walk area: TWPX Astronomical Timer OTES: Controls with a eleguing a note in the space below explaining fibw compliance is additived : Not permitted by health & safety to be turned off; EXCEPTION 1 to \$130.216)

Registration Provider: Energy Code Ace Rogistration Date/Time: Registration Number: Project ID: 72464 CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-08-18 19:17:32 Schiema Version: rev 20200601

STATE OF CALIFORNIA **Outdoor Lighting** CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE 481-1 102 N 8th 5t Report Page: Project Name: 2022-08-18T22:17:26-04:0

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE Selections have been made based on inflormation provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification ovider (ATTCP). For more information visit: http://www.energy.co.gov/title24/attcp/providers.html Systems/Spaces To Be Field Form/little Verifled General Area: SPC12; Security NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.

STATE OF CALIFORNIA **Outdoor Lighting** CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRC'CLTO-E (Page 2 of 8) Profect Name: 2022-08-18722:17:26-04:00 Project Address: C. COMPLIANCE RESULTS tesults in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this tablesays "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below. Calculations of Total Allowed Lighting Power (Watts) §140,7 or §141.0(b)2L Compliance Results General Existing Per Specific Power Hardscape Total Allowed Total Actual Area Application Frontage Allowance must be >= 0 5140 7(d)2 Allowance 61407(d)2 6140,7(0)2 §140.7(d)2 (Watts) (Watts) 61410(b)2L 61407(d)1 (See Table L) (See Table MI (See Table K) (SeeTable J) (See Table N) (See Table 1) NA + 62.08 OR 854.29 + NA + NA + Cutoff Compliance (See Table Gfor Details) Controls Compliance (See Table H for Details) D. EXCEPTIONAL CONDITIONS This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form Total Hardscape Area in Table A. does not match the areas entered in Table I. Please review for compliance

E. ADDITIONAL REMARKS

Registration Number:

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Registration Provider: Energy Code Ace Registration Date/fime; Registration Number: Project ID: 72464 CA 8uilding Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-08-18 19:17:32 Schema Version: rev 20200601

STATE OF CALIFORNIA **Outdoor Lighting** CALIFORNIA ENERGY COMMISSION NRCC-LTO. CERTIFICATE OF COMPLIANCE (Page 5 of 8 Project Name: 2022-08-18722:17:26-04:00 Project Address: I. LIGHTING POWER ALLOWANCE (per §140.7) This table includes areas using allowance colculations per <u>§140.7</u>. General Hordscope Allowance is per Table 140.7-A while "Use it or lose it" Allowances are per Table 140.7-B. "Use it or lose it" Allowance (select all that apply) (select all that apply) Indicate which allowances are being used to expand sections for user input. Luminoires Hardscape ☐ Per Per Specific ☐ Sales Frontage ☐ Ornamental that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use Altowance Application Table K Table L it or lose it olloworice. Table I (below) TableJ Calculated General Hardscape Ughtling Power Allowance per Table 140.7-A (LZ 0, 1 & 4) This section does not apply to this project. ted General Hardscape Lighting Power Allowance per Table 140.7-A (1.2.2 & 3) Area Wattage Allowance (AWA) Surface Type Illuminated Allowed Area Allowance Perimeter Allowed AWA + LWA Area Description Allowance (Watts) Area (ft²) Density (W/ft²) (Watts) Length (if) Density (W/if) Concrete 9463 0.03 283.89 551 0.4 220.4 General Area initial Wattage Allowance for Entire Site (Watts): 350 Total General Hardscape Allowance (Watts): 854.29 J. LIGHTING ALLOWANCE: PER APPLICATION This section does not apply to this project. K. LIGHTING ALLOWANCE: SALES FRONTAGE This section does not opply to this project. L. LIGHTING ALLOWANCE: ORNAMENTAL This section does not apply to this project.

Registration Date/Time:

Report Version: 2019.1.003

Schema Version: rev 20200601

STATE OF CALIFORNIA **Outdoor Lighting** CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-LTO-E (Page 8 of 8) Project Name: 2022-08-18722:17:26-04:0 Project Address: DOCUMENTATION AUTHOR'S DECLARATION STATEMENT leartify that this Certificate of Compliance documentation is accurate and complete. Pocumentation Author Name al (tille Nick Corley Winston Engineering A/ HERS Cortification Identification (If applicable) ddress: 8605 SANTA MOPIICA BLVD STE 63454 none: 951-902-6600 RESPONSIBLE PERSON'S DECLARATION STATEMENT ex tify the following under penalty of perjucy, under the laws of the State of California: The information provided on this Centificate of Compliance is true and correct. Lam elligible under olivision 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificace of Compilance (responsible designer) The energy features and Performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirement of Yade 24, Part 1 and Part 6 of the California Code of Regulations. The building design features or system design features identified on thit. Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. I will ensure that a completed signed appy of this Continued of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable Responsible Designer Signatures inspections. I understand that a completed signed copy of this Certificate of Comp Responsible Designer Name: Antirony Winston III Company: Winston Engineering Inc. te Signed: 08J/23/2022

STATE OF CAUFORNIA **Outdoor Lighting** CALIFORNIA ENERGY COMMISSION NROC-LTO-E NRCC-LTD-E CERTIFICATE OF COMPLIANCE (Page 3 of 8) Project Name: 2022-08-18T22:17:26-04:0 Project Address:

For new or altered lighting systems demonstrating compliance with §140.7 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per \$141.0[b]21, only new luminoires being installed and replacement luminaires being installed as part of the project scape are included (le, existing luminaires remaining or existing luminaires being moved are not included). 01 Cutoff Req. > Field Howis Name or Item Wattage Complete Luminaire Description uminaires 2 Status 3 lumen output -6140.7(a) Tag lumin#lre^{1, 2} determined NA: < 6200

6,200 Initial Inspector §130.2(b) 4 Pass Fail New 225 LED Wall Pack Mfr. Spec TWPX lumens NA: < 6200 440 New SPC12 LED Wall sconce ☐ Linear Mfr. Spec lumens Total Design Watts: 665

NOTES: Selections with a "require a note in the space below explaining how compliance is achieved Luminoire is Rightling a statue: EXCEPTION 2 to \$130.216

FOOTNOTES: Authority Knving Immidiction may ask for Luminaire cut sheets to confirm wattage used for compliance per <u>\$130.0[c]</u>

For linear luminaires, wattage should be indicated as W/N instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires. select "New" for new luminaires in a new aut door lighting project, or for odded luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminoires within the project scope that are not being altered and one remaining. Select "Existing Reinstalled" for existing luminoires which are being removed and reinstalled as port of

Compliance with mondotory cutoff requirements is required for luminotres with initial lumen output >= 6,200 unless exempted by \$130.7(b)

G. CUTOFF REQUIREMENTS (BUG) This section does not opply to this project.

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

Registration Date/Time: Registration Number:

Registration Provider: Energy Code Ace Project ID: 72464

CA Bullding Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-08-18 19:17:37 Schema Version: rev 2020060

STATE OF CALIFORNIA **Outdoor Lighting**

CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE 481-1102 N 8th 5: Report Page: (Page 6 of 8 Project Name: 2022-08-18122:17:26-04:00 Project Address:

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA This table includes areas using the wattage allowance per specific area from Table 140.7-B. More than one specific area allowance may be taken in a single project, if applicable. owever, multiple specific area allowances may not be taken for the exact same area on the site. 03 04 05 06 CALCULATED ALLOWANCE (Watts) Allowed Extra Luminaire Watts per #0f Area Description 140.7-B Density Allowance Name or (Watts) (ft²)¹ Luminaires Luminaires (W/ft²) (Watts) Item Tag 62.08 0.01 62.08 Security walk area ParkingPedestrianSecurity Total Design Watts for this Area: Total Allowance (Watts) All Areas: 62.08

OTNOTES: See Table 140.7-8 for rules for calculating the specific areas Lit? for these additional lighting allowances ² For luminaires indicated in Table Fas linear, wattage in column 07 is W/M instead of Watts/luminaire. Yotal linear feet should be indicated in column 08 instead of number of luminaires.

N. EXISTING CONDITIONS POWER ALLOWANCE (afterations only) This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION Selections have been made based on information provided in this document, If any selection have been changed by permit applicant, an explanation should be included in Toble E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at htt:ps://www.energy.co.gov/kitle24/2019standords/2019_compliance_documents/Nonresidential_Documents/NRCI/

Form/Title

NRCI-LTO-01-E - Must be submitted for all buildings NRCI-LTO-02-E- Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.

ALL LIGHTING CONTROL DEVICES AND SYSTEMS, AND ALL LIGHT SOURCES SHALL MEET THE APPLICABLE REQUIREMENTS OF 110.9.

ALL OUTDOOR LIGHTING SHALL BE INDEPENDENTLY CONTROLLED FROM OTHER ELECTRICAL LOADS AND SHALL HAVE THE FOLLOWING FEATURES:

A. CAPABLE OF REDUCING LIGHTING POWER AT LEAST 50% AND NO MORE THAN 90% AND SEPARATELY CAPABLE OF TURNING LIGHTING OFF DURING

A. CAPABLE OF REDUCING LIGHTING POWER AT LEAST 50% AND NO MORE THAN 90% AND SEPARATELY CAPABLE OF TURNING LIGHTING OFF DURING

B. THAT ALLOW SCHEDULING OF AT LEAST TWO NIGHTTIME PERIODS WITH INDEPENDENT LIGHTING LEVELS (MAY INCLUDE OVERRIDE FOR NO MORE THAN 2

B. CAPABLE OF DIMMING OR TURNING OFF LIGHTING NO LONGER THAN 15 MINUTES AFTER AREA IS VACATED AND TURNING LIGHTING ON WHEN AREA BECOMES

D. SHALL BE INSTALLED FOR THE FOLLOWING AND MAY BE INSTALLED FOR OTHER OUTDOOR LIGHTING AND IN COMBINATION WITH OTHER OUTDOOR LIGHTING

(i) OUTDOOR LUMINAIRES OTHER THAN BUILDING FACADE, ORNAMENTAL HARDSCAPE, OUTDOOR DINING OR OUTDOOR SALES FRONTAGE LIGHTING, WHERE THE

(ii) WALL MOUNTED LUMINAIRES INSTALLED FOR BUILDING FACADE, ORNAMENTAL HARDSCAPE, OUTDOOR DINING LIGHTING THAT HAVE A BILATERALLY SYMMETRIC

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Outdoor Lighting Mandatory Measures:

110.9 OUTDOOR LIGHTING CONTROLS AND COMPONENTS

ALL LUMINAIRES SHALL BE FACTORY-LABELLED PER 130.0(c).

ENERGY MANAGEMENT CONTROL SYSTEMS (EMCS) SHALL MEET REQUIREMENTS OF 130.0(e).

1. AUTOMAITICALLY TURNS OFF OUTDOOR LIGHTING WHEN DAYLIGHT IS AVAILABLE

.. ACCEPT'ANCE TESTS SHALL VERIFY SCHEDULED OCCUPIED AND UNOCCUPIED

BOTTOM OF THE LUMINAIRE IS MOUNTED 24 FEET OR LESS ABOVE GRADE

D. AUTOMAITIC SCHEDULING CONTROLS SHALL BE INSTALLED FOR ALL OUTDOOR LIGHTING.

SINGLE SENSORS CAN CONTROL NO MORE THAN 1,500 WATTS OF LIGHTING POWER

DISTRIBUTION (AS DESCRIBED IN THE IES HANDBOOK) MOUNTED 24 FEET OR LESS ABOVE GRADE

130.0 GENERAL LUMINAIRE REQUIREMENTS

130.2(c) CONTROLS FOR OUTDOOR LIGHTING

2. AUTOMATIC SCHEDULING CONTROLS

UNOCCUPIED PERIODS

3. MOTION SENSING CONTROLS

UNOCCUPIED PERIODS

OCCUPIED

CONTROLS:

Registration Date/Time: Report Version: 2019.1.003 Schema Version: rev 2020060: Registration Provider: Energy Code Ace

ISSUE Project tO: 72464 Report Generated: 2022-08-18 19:17:32 INITIAL SET

PROJECT #: 481-1

PROJECT NAME:

PROJECT ADDRESS:

Electrical Engineer Of Record

8605 Santa Monica Blvd Ste 63454

West Hollywood, CA 90069

951-902-6600

info@winstoneng.com

www.winstoneng.com

BEHAVIORAL

HEALTH CLINIC

REMODEL

COMMERCIAL

EL CENTRO,

DATE

08-23-2022

120 N. 8TH STREET

REVISION SCHEDULE

TITLE 24 FORMS

Copy Protection

These drawings and specifications, and ideas, designs and arrangements represented are and shall remain the property of the engineer. No part shall be copied, disclosed to others or used In connection with any work or project other than the specific project for which they have been prepared without written consent of the engineer. Visual contact with these drawings and specifications shall constitute evidence of acceptance of these restrictions. Submittal of documents to public agencies shall not be considered a waiver of Engineer.

ALL PROPRIETARY PRODUCTS/ SPECIFICATIONS SHALL INCLUDE THE FOLLOWING "APPROVED EQUAL OR Registration Provider: Energy Code Ace Registration Date/Time: BETTER" STATEMENT. Report Version: 2019.1.003 Project 10: 72464

Registration Date/fime: Registration Provider: Energy Code Ace Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Project (0: 72464 Report Generated: 2022-08-1819:17:32 Schema Version: rev 20200601

Resistration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Comptiance

Address: 8605 SANTA MONICA BEVO STE 63454

City/State/Zip: WEST HOLLYWOOD. CA 90069

Schema Version: rev 20200601

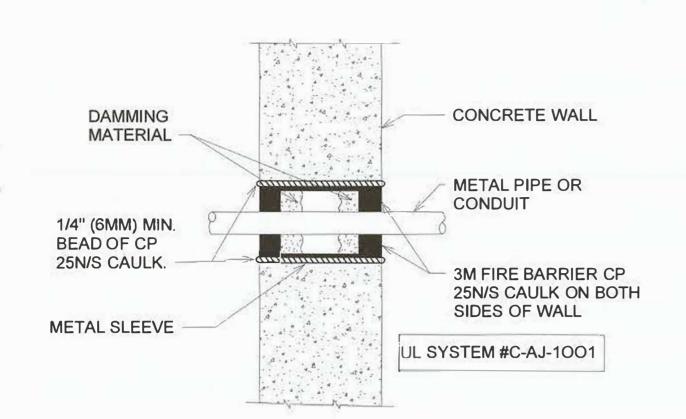
ticense; E20881 Phone: 951-902-6600

Report Generated: 2022-08-18 19:17:32

Registration Provider: Energy Code Ace

Report Generated: 2022-08-18 19:17:32

Project ID: 72464

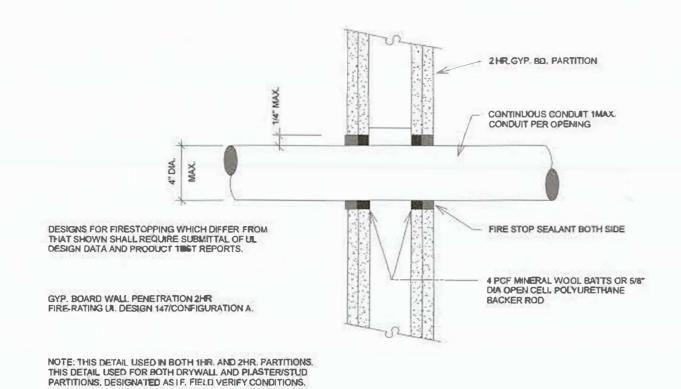


CONDUIT PENETRATION-CONCRETE WALL Scale 12" = 1'-0"

JUNCTION BOX LOCATED IN AN ACCESSIBLE CEILING SPACE.

3. NO MC CABLE SHALL RUN EXPOSED OR VISIBLE.

PLASTIC BUSHING TO PROTECT WIRING



FIRE RATED-CONDUIT PENETRATION DETAIL

Scale 12" = 1'-0"

CONCRETE CEILING 3/8" HILTI KWIK-BOLT TZ ANCHORS. ESR-1917. CONDUIT UNISTRUT 2-HOLE **CONDUIT STRAP** (TYPICAL)

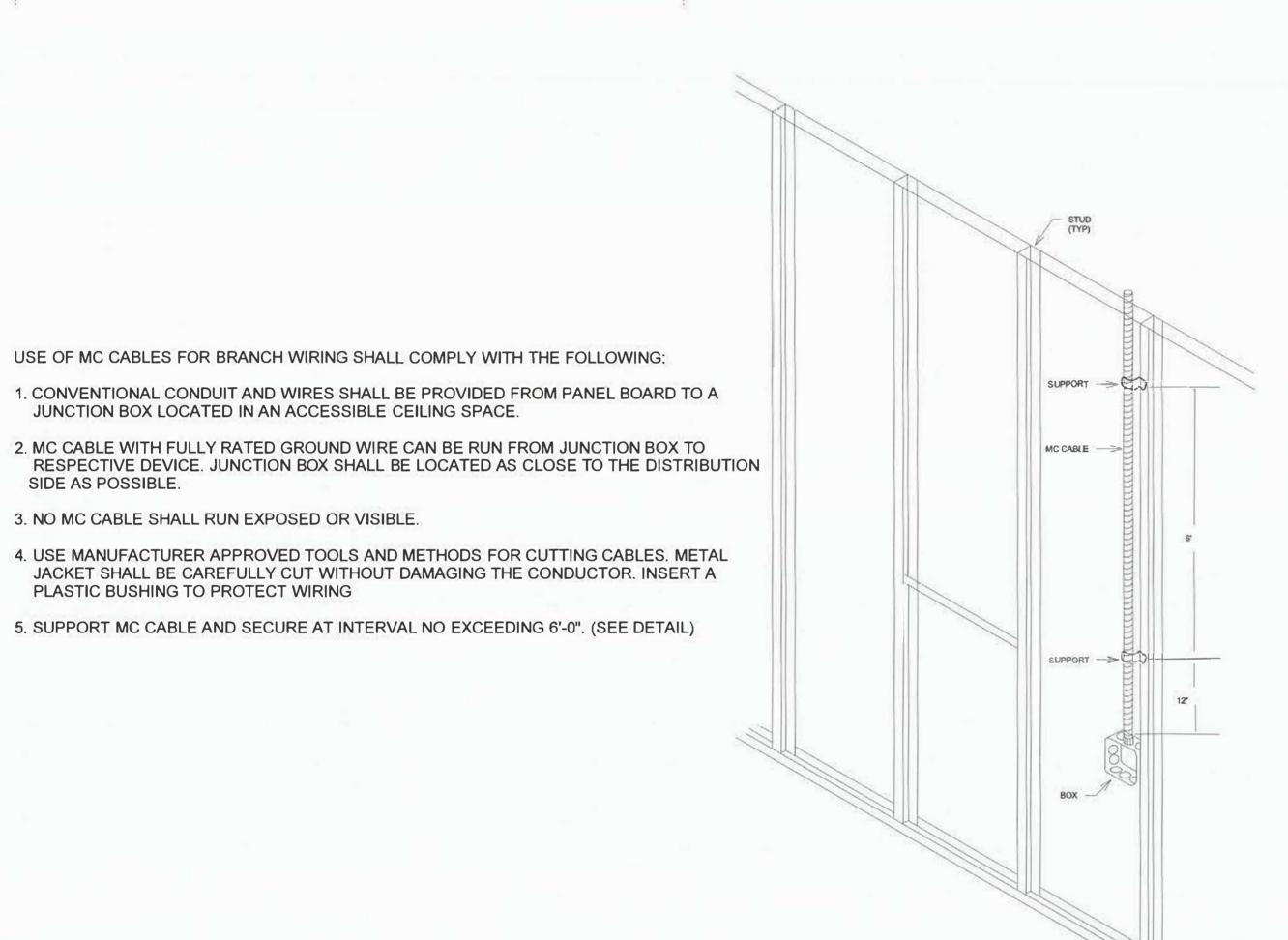
CONDUIT SUPPORT Scale 12" = 1'-0"

- CMU WALL PANEL 3/8" SIMPSON TITEN HD U./2 3/4" EMBEDMENT INTO MASONARY (4-TOTAL) ICC ESR-1056 CENTER OF MASS MAX PANEL WEIGHT **FINISHED FLOOR**

BRANCH CIRCUIT PANELBOARD = 118 LBS. MAX

PANEL-WALL MOUNTED

Scale 12" = 1'-0"



MC CABLE BRANCH WIRING DETAIL

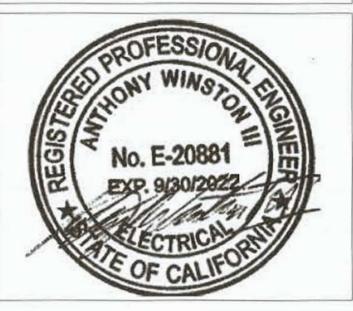
Scale 12" = 1'-0"

SIDE AS POSSIBLE.

ALL PROPRIETARY PRODUCTS/ SPECIFICATIONS SHALL INCLUDE THE FOLLOWING "APPROVED EQUAL OR BETTER" STATEMENT.

Electrical Engineer Of Record

8605 Santa Monica Blvd Ste 63454 West Hollywood, CA 90069 951-902-6600 info@winstoneng.com www.winstoneng.com



PROJECT NAME:

BEHAVIORAL HEALTH CLINIC REMODEL

COMMERCIAL

PROJECT ADDRESS:

120 N. 8TH STREET, EL CENTRO, CA 92243

PROJECT #: 481-1

DATE
08-23-2022

E6.0

ELECTRICAL DETAILS

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PLUMBING SPECIFICATIONS:

1. GENERAL

- CONTRACTOR SHALL PERFORM ALL WORK SO AS TO CONFORM TO LOCAL, STATE AND NATIONAL CODES, AND THE REQUIREMENTS OF LOCAL AUTHORITIES HAVING JURISDICTION.
- CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO VERIFY LOCATION, ELEVATIONS AND SIZES OF ALL EXISTING D. PLUMBING AND INFORM THE ARCHITECT OF ANY DISCREPANCIES.
- FOR EXACT SPECIFICATIONS, MOUNTING HEIGHTS, COLORS, AND LOCATIONS OF ALL PLUMBING FIXTURES, REFER TO
- ACCURATE AS-BUILT DRAWINGS SHALL BE MADE DURING CONSTRUCTION AND SUBMITTED FOR APPROVAL UPON COMPLETION OF INSTALLATION.
- THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TRANSPORTATION, AND SERVICES NECESSARY A. FOR THE COMPLETION OF THE WORK.
- THESE DRAWINGS SHOW THE GENERAL SCHEME OF INSTALLATION AND ARE DIAGRAMMATIC IN SCOPE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH ARCHITECT AND ALL OTHER TRADES. THIS INCLUDES COORDINATING THE LOCATION, SIZE AND ELEVATION OF ALL OPENINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING AND START-UP OF THE SYSTEM. CONTRACTOR SHALL FILE, SECURE AND PAY FOR ALL NECESSARY APPROVALS, PERMITS AND INSPECTIONS. ALL WORK SHALL BE GUARANTEED TO BE FREE FROM DEFECT FOR ONE YEAR AFTER ACCEPTANCE OF THE INSTALLATION BY OWNER. ALL WORK SHALL BE IN D. ACCORDANCE WITH THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 5, 2019 CALIFORNIA PLUMBING CODE.
- THE PLUMBING SYSTEM SHALL BE TESTED IN ACCORDANCE WITH THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 5, 2019 CALIFORNIA PLUMBING CODE. CONTRACTOR TO COORDINATE TESTS WITH LOCAL OFFICIALS.
- DETAILS OF CONSTRUCTION AND OF WORKMANSHIP WHERE NOT SPECIFICALLY DESCRIBED HEREIN OR INDICATED ON THE DRAWINGS SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL. IT IS THE INTENT OF THESE SPECIFICATIONS TO PROVIDE COMPLETE SYSTEMS, LEFT IN GOOD WORKING ORDER, READY FOR OPERATION.

2. INSTALLATION

- ALL HOT WATER PIPING SHALL BE INSULATED PER TABLE 123-A, SECTION 123 OF THE BUILDING ENERGY EFFICIENCY STANDARDS, 2019 EDITION.
- LAVATORIES IN RESTROOMS SHALL HAVE 0.4 GPM FLOW RESTRICTORS ON HOT WATER SUPPLY. PROVIDE STRAINER DRAIN AND OVERFLOW ON ALL SINKS.
- CONDENSATE PIPING SHALL BE INSTALLED AT A SLOPE OF 1%.
- SEWER PIPING SHALL BE INSTALLED AT A SLOPE OF 2%.
- WRAP ALL IRON AND COPPER PIPE AND FITTINGS BELOW SLAB OR GRADE WITH 8 MIL POLYETHYLENE WRAP AND 6" MINIMUM ENVELOPE OF CLEAN SAND ALL AROUND PIPE IN ACCORDANCE WITH ANSI/AWWA STANDARD C105/A21.5-82.
- WATER PIPING SHALL BE TYPE "K" BELOW GRADE TO 5 FEET OUTSIDE OF BUILDING AND TYPE "L" ABOVE GRADE, HARD DRAWN COPPER TUBING, WITH WROUGHT COPPER FITTINGS. BRAZE ALL JOINTS WITH LEAD-FREE BRAZING ALLOY. ALL WATER PIPING SHALL BE INSULATED.
- CONDENSATE DRAIN PIPING SHALL BE TYPE "M" HARD DRAWN COPPER TUBING WITH WROUGHT COPPER FITTINGS, 95/5% ANTIMONY/TIN SWEAT JOINTS. RUN CONDENSATE DRAIN PIPING UNDER THE ROOF DECK. INSULATE ALL CONDENSATE DRAIN PIPING WITHIN BUILDING INTERIOR
- ALL ROOF PENETRATIONS SHALL RECEIVE LEAD PIPE FLASHING WITH SCREW CLAMP AND ELASTOMERIC SEALANT AND C. BE HOT ASPHALT PATCHED WITH 4 PLY. ALL WORK SHALL BE DONE BY AN APPROVED ROOFING CONTRACTOR.
- WHERE DEVICES REQUIRING ACCESS (VALVES, CLEANOUTS, ETC.) WOULD OTHERWISE BE RENDERED INACCESSIBLE BY BUILDING CONSTRUCTION, PROVIDE FRAMED ACCESS DOOR. ACCESS DOOR FINISHES SHALL BE COORDINATED WITH

3. SCOPE OF WORK

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FURNISHING AND INSTALLATION OF ALL FIXTURES, MATERIALS, PIPING, AND COMPONENTS AS REQUIRED FOR A COMPLETE AND OPERATIONALLY FUNCTIONAL SYSTEM. SCOPE OF WORK SHALL INCLUDE BUT NOT BE LIMITED TO:

- INSTALLATION OF ABOVE GROUND SANITARY DRAIN WASTE AND VENT PIPING.
- INSTALLATION OF CLEANOUTS IN SANITARY DRAINAGE SYSTEMS. INSTALLATION OF DOMESTIC HOT AND COLD WATER PIPING INCLUDING ANTI-WATER HAMMER SHOCK
- ABSORBERS, VALVES, STOP VALVES, FLEX-SUPPLIES, DIELECTRIC UNIONS BETWEEN DISSIMILAR PIPING INSTALLATION OF FIXTURES INCLUDING WALL HANGERS, SUPPORTS, STOP VALVES, FLEX- SUPPLIES, DRAINS,
- TRAPS, STRAINERS, FAUCETS, SOAP DISPENSERS, ESCUTCHEONS, SEATS, AND OTHER DEVICES AS SHOWN ON THE DRAWINGS AND INDICATED IN THE SCHEDULE OF PLUMBING FIXTURES.
- TESTING OF THE PLUMBING SYSTEM INCLUDING AIR OR WATER TEST OF DRAINAGE SYSTEM ROUGHINGS. SMOKE TEST OF FINISHED DRAINAGE SYSTEM AND PRESSURE TEST OF DOMESTIC WATER SYSTEMS. DISINFECTION OF THE DOMESTIC WATER SUPPLY SYSTEM.
- INSTALLATION OF FIBERGLASS INSULATION, FITTING COVERS, AND JACKETS ON ALL HOT AND COLD DOMESTIC
- DESIGN, FURNISHING, AND INSTALLATION OF SEISMIC BRACING. CUTTING AND PATCHING AS REQUIRED.
- PERMITS, INSPECTIONS, APPROVALS, AND CERTIFICATES, INCLUDING FEES. 1 YEAR FULL GUARANTEE OF ALL WORKMANSHIP.

4. SANITARY DRAINAGE

- BELOW GRADE SANITARY WASTE AND VENT PIPING SHALL BE ABS SOLID WALL SCHEDULE 40 ASTM D 2661, FITTINGS SHALL BE MANUFACTURED TO ASTM 3311 ABOVE GROUND SANITARY WASTE AND VENT PIPING SHALL BE NO-HUB CAST I 8. HANGERS AND SUPPORTS RON MANUFACTURED TO ASTM A74 OR CISPI 301.
- PIPING ARRANGED IN GROUPS OF TWO OR MORE LINES, WHICH PENETRATE TWO OR MORE FLOORS, SHALL BE ENCLOSED IN SHAFT HAVING A FIRE RESISTANCE RATING IN ACCORDANCE WITH THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2, 2019 CALIFORNIA BUILDING CODE.
- CLEANOUTS FOR SANITARY DRAINAGE SYSTEMS SHALL BE LOCATED IN ACCORDANCE WITH THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 5, 2019 CALIFORNIA PLUMBING CODE.
- ALL VENT PENETRATIONS THROUGH BUILDING ROOF SHALL BE MADE WATER-TIGHT BY THE USE OF PROPER FLASHING MATERIALS. SUBMIT FLASHING DETAILS FOR APPROVAL BY THE ARCHITECT.
- VENTS SHALL TERMINATE NOT LESS THAN 6" ABOVE ROOF. VENTS SHALL NOT TERMINATE BELOW OR WITHIN 10" HORIZONTALLY OF ANY DOOR. WINDOW. FRESH AIR INTAKE OR OTHER VENTILATION OPENING. WHERE 10' HORIZONTAL CLEARANCE CANNOT BE MAINTAINED, EXTENDIVENT TO AT LEAST 3' ABOVE VENTILATION OPENING.

PLUMBING SPECIFICATIONS (CONT.)

4. SANITARY SEWER (CONT.)

- CLEANOUTS FOR SANITARY DRAINAGE SYSTEMS SHALL BE LOCATED IN ACCORDANCE WITH THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 5, 2019 CALIFORNIA PLUMBING CODE.
- ALL VENT PENETRATIONS THROUGH BUILDING ROOF SHALL BE MADE WATERTIGHT BY THE USE OF PROPER FLASHING MATERIALS. SUBMIT FLASHING DETAILS FOR APPROVAL BY THE ARCHITECT.
- VENTS SHALL TERMINATE NOT LESS THAN 6" ABOVE ROOF, VENTS SHALL NOT TERMINATE BELOW OR WITHIN 10" HORIZONTALLY OF ANY DOOR, WINDOW, FRESH AIR INTAKE OR OTHER VENTILATION OPENING. WHERE 10' HORIZONTAL CLEARANCE CANNOT BE MAINTAINED, EXTEND VENT TO AT LEAST 3' ABOVE VENTILATION OPENING.

5. DOMESTIC WATER

- DOMESTIC COLD AND HOT WATER PIPING SHALL BE TYPE "L", HARD-DRAWN COPPER TUBE. FITTINGS SHALL BE WROUGHT COPPER. SWEAT JOINTS SHALL BE MADE USING 95%-5%, LEAD-FREE ANTIMONY/TIN SOLDER.
- ALL POTABLE WATER PIPING SHALL BE DISINFECTED AS PER AWWA STANDARD C601-54 AND AS REQUIRED BY THE LOCAL BUILDING AND HEALTH DEPARTMENT CODES.
- ANTI WATER-HAMMER SHOCK ABSORBERS SHALL BE WATTS SERIES 15 SIZED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- PROVIDE STOP VALVES FOR ALL DOMESTIC WATER CONNECTIONS TO FIXTURES EXCEPT WHERE GATE VALVES ARE INDICATED ON THE DRAWINGS OR FAUCET IS PROVIDED WITH INTEGRAL STOPS.
- PROVIDE CHROME PLATED, BRASS ANGLE STOP VALVES FOR ALL FIXTURES NOT HAVING INTEGRAL STOPS.
- ALL PIPE, FITTINGS, FIXTURES, ETC, THAT CONTACT POTABLE WATER FOR HUMAN CONSUMPTION SHALL SHOW APPROVAL TO NSF 61, ANNEX G. REFERENCE SECTION 604.11, CALIFORNIA PLUMBING CODE, 2019 EDITION, AND HEALTH AND SAFETY CODE SECTION 116875.

6. CONDENSATE DRAIN

- PIPING FOR PRIMARY AND SECONDARY CONDENSATE DRAINAGE SHALL BE HARD DRAWN COPPER TUBE, MINIMUM DWV
- FITTINGS FOR CONDENSATE DRAINAGE PIPING SHALL BE WROUGHT COPPER WITH 95/5% ANTIMONY/TIN SWEAT
- C. TRAP SEAL DEPTH FOR AIR CONDITIONING CONDENSATE DRAINS SHALL NOT BE LESS THAN:

AC UNIT STATIC PRESSURE	MIN, TRAP SEAL DEPTH
LESS THAN 1" W.C.	3"
1" TO 2" W.C.	4"
MORE THAN 2" W.C.	6"

7. NATURAL GAS

- GAS SYSTEM SHALL BE SCHEDULE 40 BLACK STEEL WITH MALLEABLE IRON FITTINGS. VALVE SHALL BE LUBRICATED PLUG TYPE, SIMILAR TO CRANE #250.
- B. ALL BRANCH CONNECTIONS SHALL BE MADE ON THE TOP OR SIDE OF HORIZONTAL LINES.
- GAS PIPING SHALL NOT BE RUN IN OR THROUGH SUPPLY AIR DUCTS, CLOTHES CHUTES, CHIMNEYS, VENTS, OR
- VALVES, UNIONS OR RUNNING THREAD SHALL NOT BE LOCATED IN ANY AIR PLENUM.
- PORTIONS OF GAS PIPING SYSTEMS INSTALLED IN CONCEALED LOCATIONS SHALL NOT HAVE UNIONS, TUBING FITTINGS, OR RUNNING THREADS.
- HANGERS AND SUPPORTS SHALL BE OF MATERIAL OF SUFFICIENT STRENGTH TO SUPPORT THE LOADS IMPOSED. HANGERS AND STRAPPING MATERIAL SHALL BE OF SIMILAR MATERIALS AS THE PIPING TO AVOID GALVANIC ACTION.
- INTERVAL OF SUPPORT: GAS PIPING SHALL BE SUPPORTED AT DISTANCES NOT EXCEEDING THE SPACING SPECIFIED IN
- PROVIDE INDIVIDUAL VALVE FOR EACH GAS OUTLET. THE VALVE SHALL BE ACCESSIBLE AND ADJACENT TO THE
- PROVIDE A UNION BETWEEN EACH APPLIANCE AND THE APPLIANCE GAS VALVE.
- GAS OUTLETS WHICH DO NOT CONNECT TO APPLIANCES SHALL BE CAPPED GAS-TIGHT
- PROVIDE A DRIP LEG AHEAD OF EACH APPLIANCE SHUTOFF VALVE.

TITLE 24, PART 5, 2019 CALIFORNIA PLUMBING CODE.

- PORTIONS OF THE GAS PIPING SYSTEM INSTALLED IN CONCEALED LOCATIONS SHALL BE TESTED BEFORE THE PIPING IS COMPLETELY CONCEALED.
- THE GAS PIPING SYSTEM SHALL BE TESTED WITH AIR OR AN INERT GAS. THE SYSTEM SHALL BE TESTED TO A PRESSURE OF 1 1/2 TIMES THE SYSTEM WORKING PRESSURE, BUT NOT LESS THAN 3 PSI, GAS PIPING SYSTEMS SHALL MAINTAIN THE FULL-TEST PRESSURE FOR A PERIOD OF 10 MINUTES.
- THE GAS PIPING SYSTEM SHALL BE PURGED TO A SAFE LOCATION. PIPING SHALL NOT BE PURGED INTO THE COMBUSTION CHAMBER OF AN APPLIANCE.

- ALL FIXTURES SHALL BE SUPPORTED INDEPENDENTLY OF THE PIPING SYSTEM. SEE "FIXTURES" SECTION OF "NOTES AND SPECIFICATIONS" AND FIXTURE SCHEDULE NOTES.
- MAXIMUM SPACING OF SUPPORTS FOR VERTICAL PIPING SHALL NOT EXCEED:

TYPE OF PIPING	MAXIMUM SPACING
HUBLESS CAST IRON SOIL LINES	AT BASE AND EACH FLOOR NOT TO EXCEED 1
THREADED STEEL PIPE	AT EVERY OTHER FLOOR NOT TO EXCEED 25'
COPPER TUBE	AT EVERY FLOOR NOTTO EXCEED 10'
SCHEDULE 40 PVC	AT EVERY FLOOR PLUS MID-FLOOR GUIDES

PROVIDE RISER CLAMPS, WALL BRACKET HANGER, ETC. AS REQUIRED

C. MAXIMUM SPACING OF SUPPORTS FOR HORIZONTAL PIPING SHALL NOT EXCEED.

TYPE OF PIPING	MAXIMUM SPACING
HUBLESS CAST IRON SOIL PIPE	AT EVERY OTHER JOINT (EVERY JOINT WHERE OVER 4
THREADED STEEL PIPE (3/4" OR LESS)	AT 10' INTERVALS
THREADED STEEL PIPE (1" OR LARGER)	AT 12' INTERVALS
COPPER TUBE (1-1/2" OR LESS)	AT 6' INTERVALS
COPPER TUBE (2" OR LARGER)	AT 10' INTERVALS
SCHEDULE 40 PVC	AT 4' INTERVALS

- ALL RISERS SHALL BE SUPPORTED AT THE BASE.
- PROVIDE CAPABILITY FOR EXPANSION AND CONTRACTION IN ALL PIPING AS INDICATED BELOW:

TYPE OF PIPING	TYPE OF PROVISIONS
DRAIN LINES IN UNHEATED AREAS	EXPANSION FITTING AT 125
DOMESTIC HOT WATER LINES	EXPANSION LOOP AT 100'

GENERAL NOTES:

- ALL CONSTRUCTION AND MATERIALS SHALL BE AS SPECIFIED AND IN ACCORDANCE WITH ALL APPLICABLE CODES, LAWS, ORDINANCES, PERMITS AND OTHER CONTRACT DOCUMENTS
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE PLACEMENT OF ALL NEW CONSTRUCTION ON THE SITE
- THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND DIMENSIONS, AND VERIFY EXACT LOCATIONS AND ELEVATIONS OF PIPING POINTS ON CONNECTION BY MEANS OF PHYSICAL EXCAVATION AND SELECTIVE DEMOLITION BEFORE STATING WORK. SHOULD A DISCREPANCY APPEAR IN THE CONTRACT DOCUMENTS OR BETWEEN THE CONTRACT DOCUMENTS AND EXISTING CONDITIONS, NOTIFY THE ARCHITECT AT ONCE FOR INSTRUCTION ON HOW TO
 - SEWER, WATER, AND STORM DRAIN SYSTEMS INDICATED IN THESE DRAWINGS SHALL EXTEND TO PLUMBING/CIVIL POINTS OF CONNECTION AT 5' OUTSIDE OF THE BUILDING(S) UNLESS OTHERWISE NOTED. CONTINUATION OF THESE PIPING SYSTEMS ARE INDICATED ON THE CIVIL DRAWINGS WITH CORRESPONDING ASSOCIATED MATERIALS SPECIFIED UNDER A SEPARATE SECTION OF THE PROJECT SPECIFICATIONS. ALL SUCH PIPING SHALL BE INSTALLED IN A MANNER TO PROVIDE PROPER CONNECTION TO THE INVERT ELEVATIONS INDICATED ON CIVIL DRAWINGS. WHERE SIZES DIFFER BETWEEN PLUMBING AND CIVIL DRAWINGS, CONTRACTOR SHALL PROVIDE TRANSITION FITTINGS AS NECESSARY TO ALLOW FOR PROPER CONNECTION
 - HORIZONTAL SOIL, WASTE, GREASE WASTE, AND TRAP PRIMER PIPING WITHIN THE BUILDING SHALL BE INSTALLED CONCEALED WITHIN WALLS, BELOW FINISHED FLOOR, OR BELOW FINISH SLAB AS APPLICABLE UNLESS NOTED OTHERWISE. ALL OTHER HORIZONTAL PIPING WITHIN BUILDING SHALL BE INSTALLED CONCEALED ABOVE CEILING OR WITHIN WALL AS APPLICABLE UNLESS NOTED OTHERWISE. ALL VERTICAL PIPING SHALL BE INSTALLED CONCEALED WITHIN WALLS UNLESS NOTED OTHERWISE. NO PIPING SHALL BE INSTALLED IN EXPOSED LOCATIONS UNLESS SPECIFICALLY NOTED AS SUCH ON PLANS
- HORIZONTAL CONDENSATE PIPING SHALL SLOPE AT 1/8" PER FOOT UNLESS NOTED OTHERWISE
- NATURAL GAS PIPE SIZING CALCULATIONS ARE BASED ON A CALORIC CONTENT OF 1,000 BTU'S PER CUBIC FOOT.
- PIPING BETWEEN EACH PLUMBING FIXTURE AND THE NEAREST BRANCH OR MAIN PIPING RUN SHALL BE SIZED TO MATCH THE CORRESPONDING FIXTURE SCHEDULE CONNECTION SIZE AT A MINIMUM UNLESS NOTED AS A LARGER SIZE ON PLANS. PIPE HEADERS IN WALLS SERVING BANKS OF FIXTURES SHALL BE FULL LINE SIZE FROM THE UPSTREAM END OF THE BRANCH LINE TO THE END TERMINAL UNLESS NOTED OTHERWISE.
- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS, ROUGH IN DIMENSIONS, AND MOUNTING HEIGHTS OF ALL FIXTURES, EQUIPMENT, ACCESS PANELS, HOSE BIBBS, RECESSED HOSE BIBBS, OVERFLOW DRAIN TERMINATION POINTS, AND OTHER EXPOSED PLUMBING ELEMENTS. WHERE DIMENSIONS ARE NOT INDICATED, SEEK ARCHITECT'S DIRECTION AND/OR APPROVAL
- A. WHERE POSSIBLE USE SAME ACCESS PANEL FOR SHUT-OFF VALVES, MIXING VALVES, TRAP PRIMER AND WATER HAMMER ARRESTORS AND/OR OTHER INTERIOR WALL COMPONENTS WHEN LOCATED DIRECTLY ADJACENT IN SAME IMMEDIATE VICINITY

CLEANOUTS:

- A. PROVIDE CLEANOUTS PER CPC
 - INTERIOR CLEANOUTS SHALL BE WALL CLEANOUTS RATHER THAN FLOOR CLEANOUTS UNLESS OTHERWISE NOTED. CLEANOUTS SHALL BE READILY ACCESSIBLE AND SHALL BE CAREFULLY COORDINATE WITH CASEWORK, EQUIPMENT, AND OTHER ITEMS TO AVOID CONFLICT. NOT ALL REQUIRED CLEANOUTS ARE INDICATED ON PLANS. WALL CLEANOUTS IN FINISHED SPACES SHALL BE INSTALLED IN ACCESS PANELS. SEE SPECIFICATIONS FOR ACCESS PANEL REQUIREMENTS
- EXTERIOR YARD BOXES AND CLEANOUTS SHALL BE INSTALLED AT EXACT LOCATIONS INDICATED ON PLANS. IN THE EVENT OF A CONFLICT OR DISCREPANCY, NOTIFY THE ARCHITECT AT ONCE FOR INSTRUCTION ON HOW TO PROCEED.
- EXTERIOR WATER SHUT OFF VALVES AND GAS SHUT-OFF COCKS SHALL BE INSTALLED WITHIN CONCRETE YARD BOXES. YARD BOX AND CLEANOUT COVERS SHALL BE CLEARLY STAMPED WITH "WATER", "GAS", OR "SEWER? AS APPLICABLE. YARD BOXES SHALL BE EQUIVALENT TO "CHRISTY" MODEL NO. B03. VALVES SHALL BE INSTALLED AND PROPERLY POSITIONED WITHIN YARD BOX TO ALLOW FOR FULL RANGE OF OPERATION, MAINTENANCE, REPAIR, AND REPLACEMENT. ALL YARD BOXES AND CLEANOUT COVERS SHALL ALIGN WITH SCORED HARDSCAPE JOINTS PER LANDSCAPE PLANS. YARD BOX SHALL BE CONCRETE. SEWER CLEANOUT COVERS SHALL BE BRASS, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION
- VERIFY EXACT LOCATIONS OF ALL MECHANICAL AND/OR OTHER EQUIPMENT INSTALLED BY OTHERS AND REQUIRING PLUMBING CONNECTIONS PRIOR TO ORDERING OF MATERIALS OR INSTALLATION. COORDINATE EXACT ROUGH-IN LOCATIONS AND REQUIREMENTS WITH OTHER INSTALLING CONTRACTORS AS APPLICABLE PRIOR TO INSTALLATION.
- 15. ADA LAVATORIES AND SINKS SHALL BE PROVIDED WITH ADA INSULATED TRAP AND SUPPLY COVERS AS SPECIFIED
- ADA WATER CLOSETS SHALL BE INSTALLED WITH FLUSH VALVE ACTUATOR HANDLE LOCATED ON THE WHEEL CHAIR ACCESS SIDE
- SHUT OFF VALVES, SHUT OFF COCKS, WATER CONTROL DEVICES, CLEANOUTS, AND OTHER PIPING APPURTENANCES SHALL BE THE SAME SIZE AS PIPING SERVED UNLESS NOTED OTHERWISE
- REFER TO MECHANICAL DRAWINGS FOR MECHANICAL MANDATORY MEASURES AND ASSOCIATED REQUIREMENTS
- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL FIRE RATED ASSEMBLIES. PROVIDE FIRESTOPPING AT PENETRATIONS THROUGH FIRE RETARDANT CONSTRICTION IN ACCORDANCE WITH SPECIFICATIONS
- PENETRATIONS OF FIRE RESISTIVE WALLS, FLOORS-CEILINGS, AND ROOF CEILINGS SHALL BE PROTECTED AS REQUIRED IN CBC SECTION 714
- DOMESTIC WATER PIPING AND COMPONENTS SHALL BE PROVIDED AND INSTALLED IN COMPLIANCE WITH CALIFORNIA AB 1953 LEGISLATION. WHICH LIMITS THE ALLOWABLE LEAD CONTENT IN CERTAIN DOMESTIC WATER SYSTEM

DRAWING SCHEDULE

P0.1 PLUMBING NOTES AND LEGENDS

P0.2 PLUMBING SCHEDULES

P1.0 PLUMBING FLOOR PLANS P1.1 PLUMBING FLOOR PLANS

P1.2 PLUMBING FLOOR PLANS P1.3 PLUMBING FOOR PLANS

P1.4 PLUMBING ROOF PLAN P2.0 PLUMBING DETAILS

> **ALL PROPRIETARY PRODUCTS/** SPECIFICATIONS SHALL INCLUDE THE FOLLOWING "APPROVED EQUAL OR BETTER" STATEMENT.

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PROJECT NAME:

BEHAVIORAL HEALTH CLINIC

COMMERCIAI

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PROJECT #: 481-1

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INITIAL SUBMITTAL 1st SUBMITTAL	- 11-7-2022

HEALTH CLINIC

PLUMBING NOTES AND LEGENDS

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EXISTING MAIN WATER LINE:

VERIFY IF THE MAIN WATER LINE FROM THE EXISTING WATER METER TO THE BUILDING IS 2"; IF IT IS SMALLER THAN 2" REPLACE THE WATER LINE FROM THE METER TO WHERE IT ENTERS THE BUILDING.

			20	19 CPC A	PPENDIX A		
MARK	DESCRIPTION	DESCRIPTION QTY FUE	ACH	FU TOTAL			
			WASTE	WATER	WASTE	WATER	
WC-1	WATER CLOSET (FV)	6	4	5	24	30	
L-1	LAVATORY	8	1	1	8	8	
U-1	URINALS	6	2	4	12	24	
FD-1	FLOOR DRAIN	2	2		4	100	
DF-1	DRINKING FOUNTAIN	2	.5	.5	.5	1	
MS-1	MOP SINK	1	3	3	-	3	

FROM TABLE A103.1(2) OF THE CPC, 66 FIXTURE UNITS IS EQUIVALENT TO 57 GPM. FROM TABLE A105.1 (1) OF THE CPC TO KEEP THE PRESSURE DROP AT LESS THAN 4 PSI PER 100 FEET, 55 GPM WILL NEED A 2" MAIN WATER LINE.

THE EXISTING OCCUPY WAS A HOTEL, IT HAD 17 WATER CLOSETS, 16 LAVARORIES, ONE URINAL, ONE DRINKING FOUNTAIN FOR A TOTAL OF TOTAL OF 53 FIXTURE UNITS OR 51 GPM.

FROM TABLE 703.2 OF THE CPC, 48.5 FIXTURE UNTIS WILL NEED A 4" SEWER MAIN, THE EXISTING MAIN SEWER LINE IS 4" SO WE WILL CONNECT TO THS ONE.

ALSO FROM TABLE 703.2 THE REQUIRED VENT FOR 48.5 FIXTURE UNITS WILL BEA 3" VENT. A 3" VENT WILL BE USED. WE WILL USE THREE 2" VENT BECAUSE OF THE BUILDING DESIGN.

			2019 CPC APPENDIX		
MARK	DESCRIPTION	QTY	FU EACH	FU TOTAL	
			HOT WATER	HOT WATER	
WC-1	WATER CLOSET (FV)	6	38	-	
L-1	LAVATORY	8	0.5	4	
U-1	URINALS	6	(25)	(4)	
FD-1	FLOOR DRAIN	2	(F-1)	10	
DF-1	DRINKING FOUNTAIN	2		41	
MS-1	MOP SINK	1	1.5	1.5	

FROM TABLE A103.1(2) OF THE CPC, 5.5 FIXTURE UNITS IS EQUIVALENT TO 5.5 GPM. FROM TABLE A105.1 (1) OF THE CPC TO KEEP THE PRESSURE DROP AT LESS THAN 4 PSI PER 100 FEET, 5.5 GPM WILL NEED A 3/4" MAIN HOT WATER LINE.

WE WILL USE TWO INSTANTANEOUS TANKLESS WATER HEATERS MODEL RINNAI RU130i WILL BE USED. EACH HEATER WILL USE 130 MBH OF HEAT, 38 WATTS AND IT WILL USE A CONCENTRIC 2X4 PIPES FOR THE COMBUSTION AND VENT

		DOMESTIC COLD WATER PLUMBING
		DOMESTIC HOT WATER PLUMBING
		VENT PLUMBING
	=	SANITARYWASTE PLUMBING
wco		WALL CLEANOUT
VTR		VENT TO ROOF
SOV		SHUT OFF VALVE
TYP	(TYP)	TYPICAL DETAIL CALLOUT
	<u> </u>	PIPE UP
	<u></u>	PIPE DOWN
		BOTTOM CONNECTION
		TOP CONNECTION

PIPE MATERIAL SCHEDULE

- SANITARY SEWER, GREASE WASTE, VENT, AND STORM DRAIN BELOW GRADE:
 A. PIPE: ABS SOLID WALL SCHEDULE 40 ATSM
- B. FITTINGS: ABS SOCKET FITTINGS, ATSM D, 2661 MADE TO ATSM D 3311
- C. ABS SOLVENT CEMENT
 SANITARY SEWER, GREASE WASTE, VENT, AND
 STORM DRAIN ABOVE GRADE
- A. PIPE: SERVICE WEIGHT CAST IRON PER
 ATSM A-74, ASTM A-88, CISPI 301.
 B. FITTINGS: NO HUB CAST IRON PER ATSM
- A-888
 C. JOINTS: BAND TYPE STAINLESS STEEL
 COUPLINGS CONFORMING TO ASTM
 C-1540 HAVING MINIMUM SHIELD
- THICKNESS OF 31 GAUGE WITH NEOPRENE SEALING SLEEVE CONFORMING TO ASTM C-564
 3. DOMESTIC WATER BELOW GRADE:
- A. PIPE: TYPE K SOFT COOPER TUBE,
 ANNEALED TEMPER, ASTM B88
 B. FITTINGS: WROUGHT COPPER, ANSI B16.22
- C. JOINTS: BRAZED JOINT
 DOMESTIC WATER ABOVE GRADE
 A. PIPE: TYPE L HARD DRAWN COPPER, ASTM
- B88
 B. FITTINGS: WROUGHT COPPER, ANSI B16.22
 C. JOINTS: 95%-5% TIN-ANTIMONY LEAD FREE
- NATURAL GAS ABOVE GRADE
 A. PIPE: SCHEDULE 40 BLACK STEEL, ASTM

SOLDER.

- A53.

 B, FITTINGS: 150LB MALLEABLE IRON
 THREADED, ANSI B16.3. FLANGED, ANSI
- B16.9, STEEL
 C. JOINTS: 2" AND SMALLER, THREADED

						PLUMBING FIXTURE SCHEDULE
MARK	FIXTURE	ROUGH-IN SIZE			REMARKS	
IVIAINI	TIXTORE	S/W	V	CW	HW	NEWANNO
L-1	LAVATORY (WALL MOUNT)	1-1/2"	1-1/2"	1/2"	1/2"	WALL-MOUNT LAVATORY AMERICAN STANDARD "LUCERNE" MODEL #0356.421 WHITE, POWERS MODEL #115A5 "TEMP-TAP" THERMOSTATIC FAUCET (FAUCET COMES PRE-SET TO 105°F - THE P.C. MUST ADJUST THE TEMPERATURE LIMIT STOP TO 110°F) STOPS AND CHECKS, INSTALL WITH BRASSCRAFT 1/2" BRAIDED FLEX SUPPLIES, 1/4 TURN ANGLE STOPS AND CHROME PLATED ONE PIECE ESCUTCHEONS. GRID STRAINER WITH CHROME PLATED P-TRAP, CHROME PLATED TRAP-ARM, AND CHROME PLATED ESCUTCHEON. P-TRAP AND WATER SUPPLIES SHALL BE WRAPPED WITH TRUEBRO LAVGUARD #102.
WC-1	WATER CLOSET (FLUSH VALVE)	3"	2"	1-1/4"		FLOOR MOUNTED FLUSH VALVE AMERICAN STANDARD 'MADERA' MODEL # 2858.128, WHITE VIRTEOUS CHINA, 1.28 GPF SIPHON JET BOWL, 1-1/2" TOP SPUD CONNECTION, BOLT CAPS. INCLUDE ZURN Z60000AV-HET EXPOSED CLOSET FLUSH VALVE, BEMIS #1055 WHITE ELONGATED OPEN FRONT SEATLESS COVER WITH CHECK HINGE STOPS, SECURELY FASTEN SEAT AT INSTALLATION
TP-1	TRAP PRIMER	- 12		1/2"		LEAD-FREE, SANI GUARD AUTOMATIC TRAP PRIMER, ALL BRONZE BODY W/ INTEGRAL VACUUM BREAKER. MN: ZURN Z1022-XL
wco	WALL CLEANOUT	LINE		-	-	ZURN #1443 SQUARE WALL CLEANOUT, DURA-COATED CAST IRON BODY, GAS AND WATER TIGHT TAPERED TI-IREAD PLUG AND NICKLE BRONZE SECURED SQUARE, SMOOTH WALL ACCESS COVER AND FRAME
FD-1	FLOOR DRAIN	2"	2"			ZURN #415 TYPE 'S' STRAINER, 5" SQUARE NICKEL BRONZE GRATE, CAST IRON BODY, CONVERTIBLE MEMBRANE CLAMP, ADJUSTABLE COLLAR (TRAP PRIMER CONNECTION IF SHOWN ON THE PLAN).
MS-1	MOP SINK	2 ^m	2"	i.	-	FIAT MSB 24x24 PROVIDE FIAT 830-AA CHROME PLATED SERVICE FAUCET W/ VACUUM BREAKER, INTEGRAL STOPS, WALL BRACE, PAIL HOOK AND HOSE TI-IREAD ON SPOUT, 832-AA HOSE AND BRACKET, AND 889-CC MOP HANGER

HOT WATER PIPE INSULATION		
PIPE DIAMETER	INSULATION THICKNESS	
1/2"	1"	
3/4"	1"	
1"	1-1/2"	
1-1/4" THRU 2"	1-1/2"	

MARK	FIXTURE	QTY	MBH	TOTAL MBH
GWH-1	GAS WATER HEATER	2	130	260
		TOTA	AL INPUT	= 260MBH

PLUMBING NOTES:

1) PLUMBING PLANS WILL COMPLYU WITH 2019 CALIFORNIA PLUMBING CODE, 2019 CALIFORNIA GREEN CODE AND 2019 CALIFORNIA ENERGY CODE.

2) EXCAVATIONS REQUIRED TO BE MADE INSIDE THE BUILDING FOR THE DRAINAGE OR SEWER SYTREM NEED TO BE OPEN TRENCH WORK AND THYE SHALL BE KEPT OPEN UNTIL THE PIPING HAS BEEN INSPECTED, TESTED, AND ACCEPTED BY THE CITY (CPC 414.3)

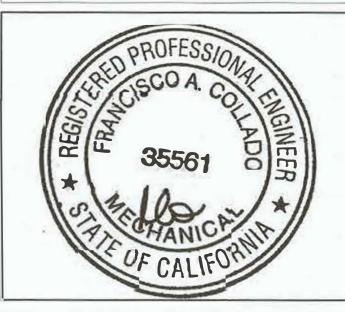
3) SET THE THERMOSTATIC MIXING VALVE OF THE LAVATORIES (2/P2.0) TO A MAXIMUM TEMPERATURE OF 110 DEGREES F PER ENERGY STNADARDS 110(c).

4) PER CPC 906.1 ABS/PVC VENT TERMINATIONS UP THROUGH THE ROOF EXPOSED TO SUNLIGHT ARE REQUIRED TO BE PROTECTED BY WATER BASED SYNTHETIC LATEX PAINTS, 906.1.

5) VERIFY THERE IS A WALL CLEANOUT PER VENT RISER (TOTAL OF 3). IF NONE IS AVAILABLE, ADD ONE AT THE UPPER MOST TERMINAL (SEE 1/P2.0)



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COMMERCIAL

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	INITIAL SUBMITTAL 1st SUBMITTAL	11-7-2022
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HEALTH CLINIC

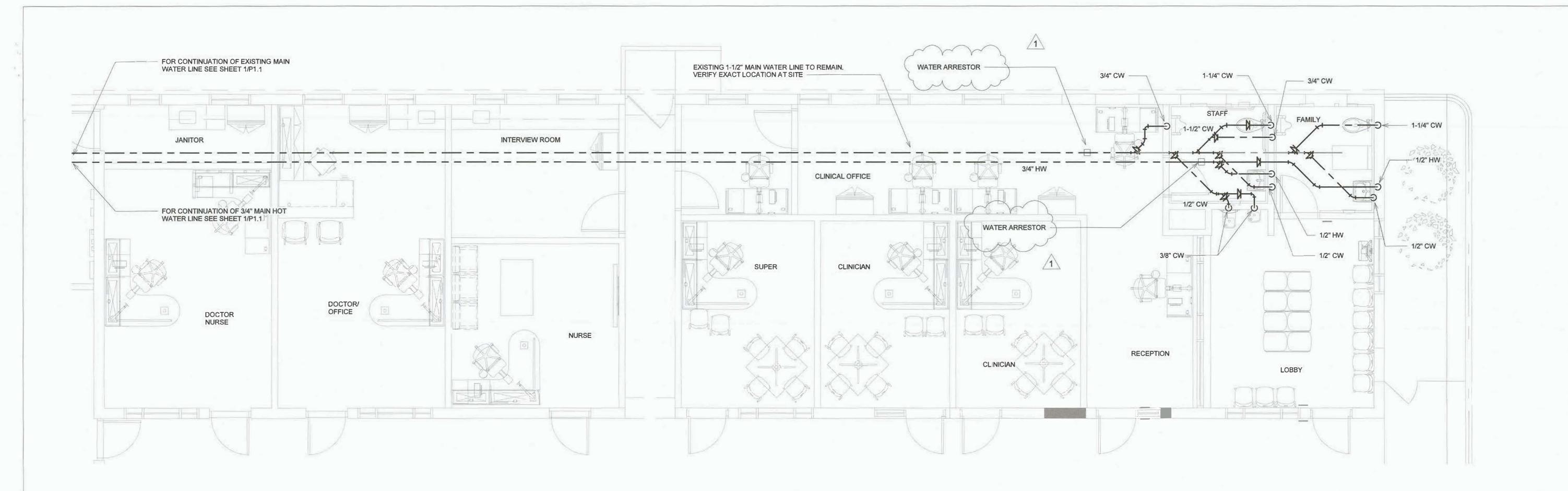
P0.2

PLUMBING SCHEDULES

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PROCESSAGE

ANN. VET ANY STEEL AND S

CW AND HW PLUMBING PLAN I

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PLUMBING FLOOR PLANS

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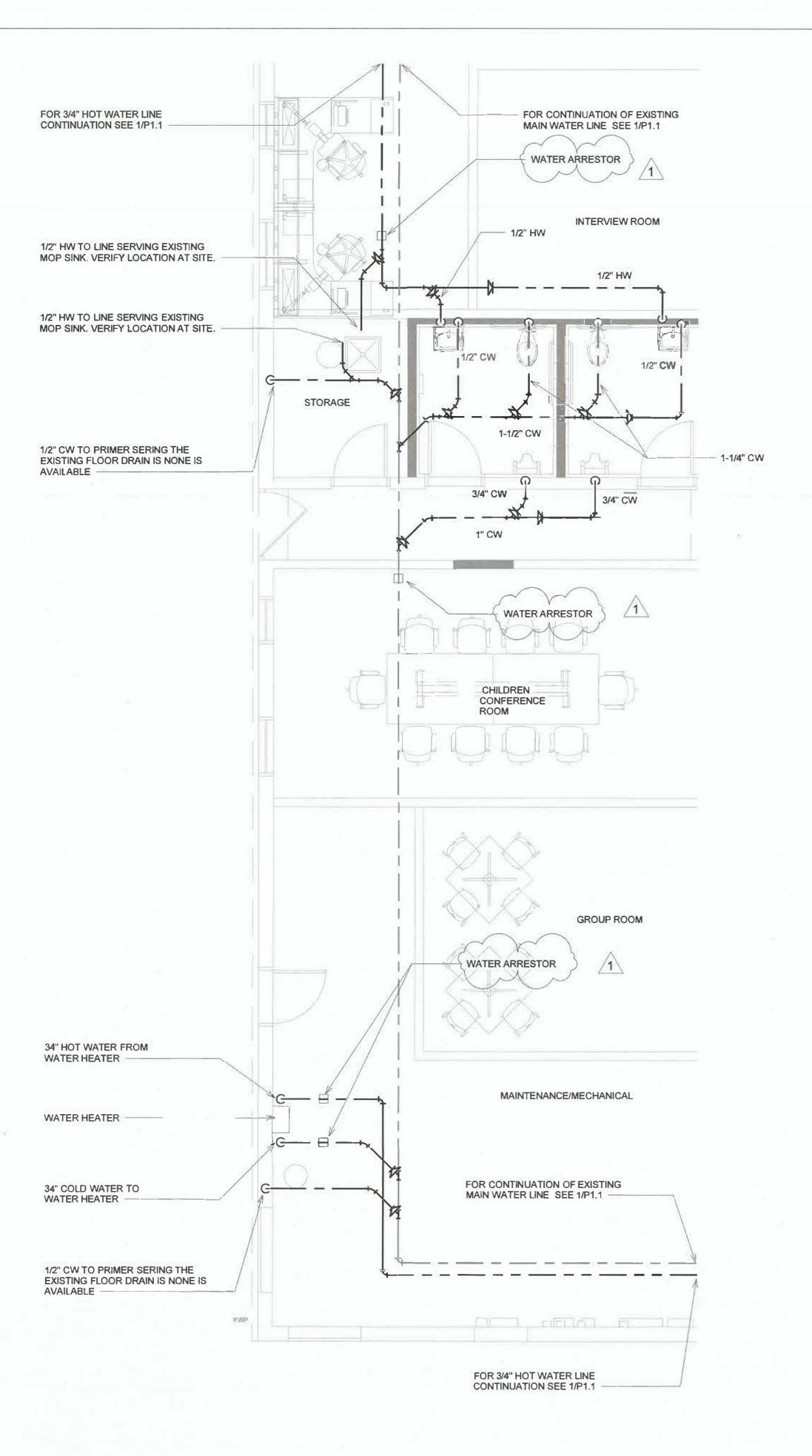
BETTER" STATEMENT.

SPECIFICATIONS SHALL INCLUDE THE

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2 CW AND HW PLUMBING PLAN IV 1/4" = 1'-0"



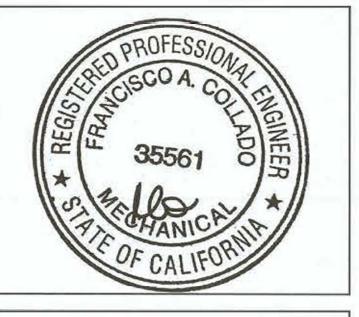
FOR EXISTING MAIN WATER LINE CONTINUATION SEE 1/P1.0. WATER ARRESTORS 3/4" HOT WATER FROM WATER HEATER — WATER HEATER MAINTENANCE/MECHANICAL 3/4" COLD WATER TO WATER HEATER FOR 3/4" MAIN HOTWATER LINE CONTINUATION SEE 1/P1.0. -EXISTING WATER MAIN TO REMAIN.
VERIFY LOCATION AT SITE. TELEMEDICINE CLINICIAN CASE MANAGER OFFICE FOR 3/4" HOT WATER LINE FOR EXISTING MAIN WATER LINE CONTINUATION SEE 2/P1.1. CONTINUATION SEE 2/P1.1.

CW AND HW PLUMBING PLAN II

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	REVISION SCHEE	DULE
Δ	ISSUE	DATE
INIT	TAL SUBMITTAL	
1st	TAL SUBMITTAL SUBMITTAL	11-7-202

HEALTH CLINIC

P1.1

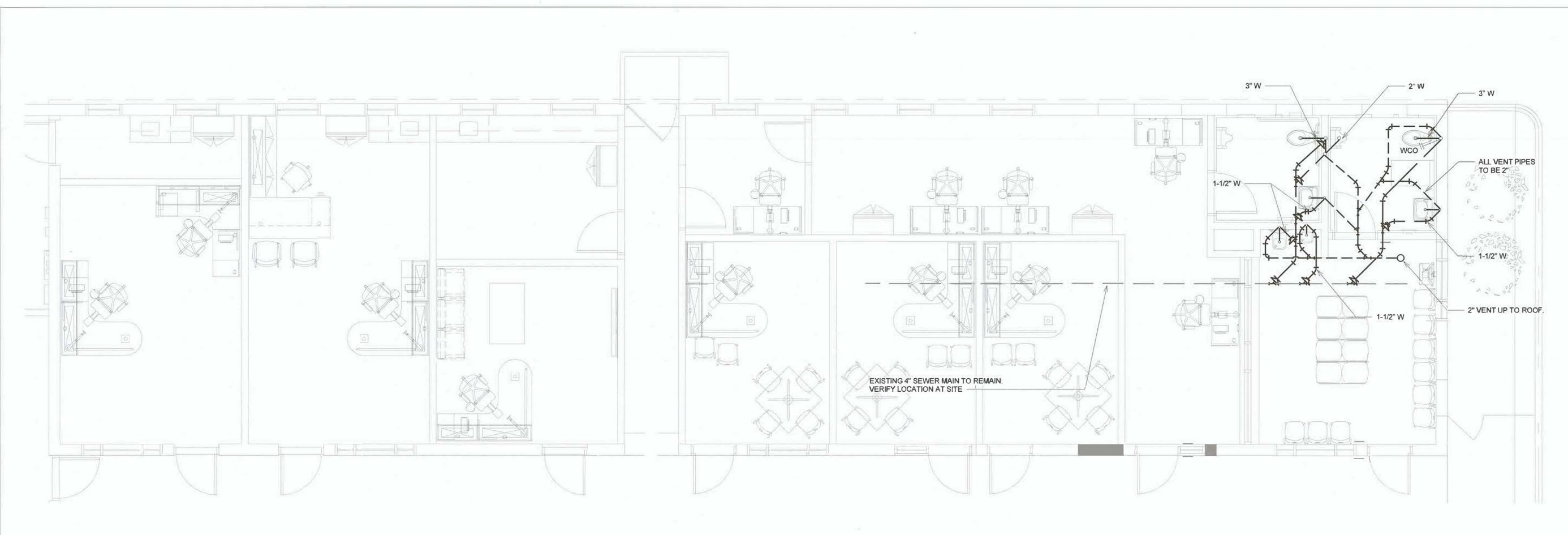
PLUMBING FLOOR PLANS

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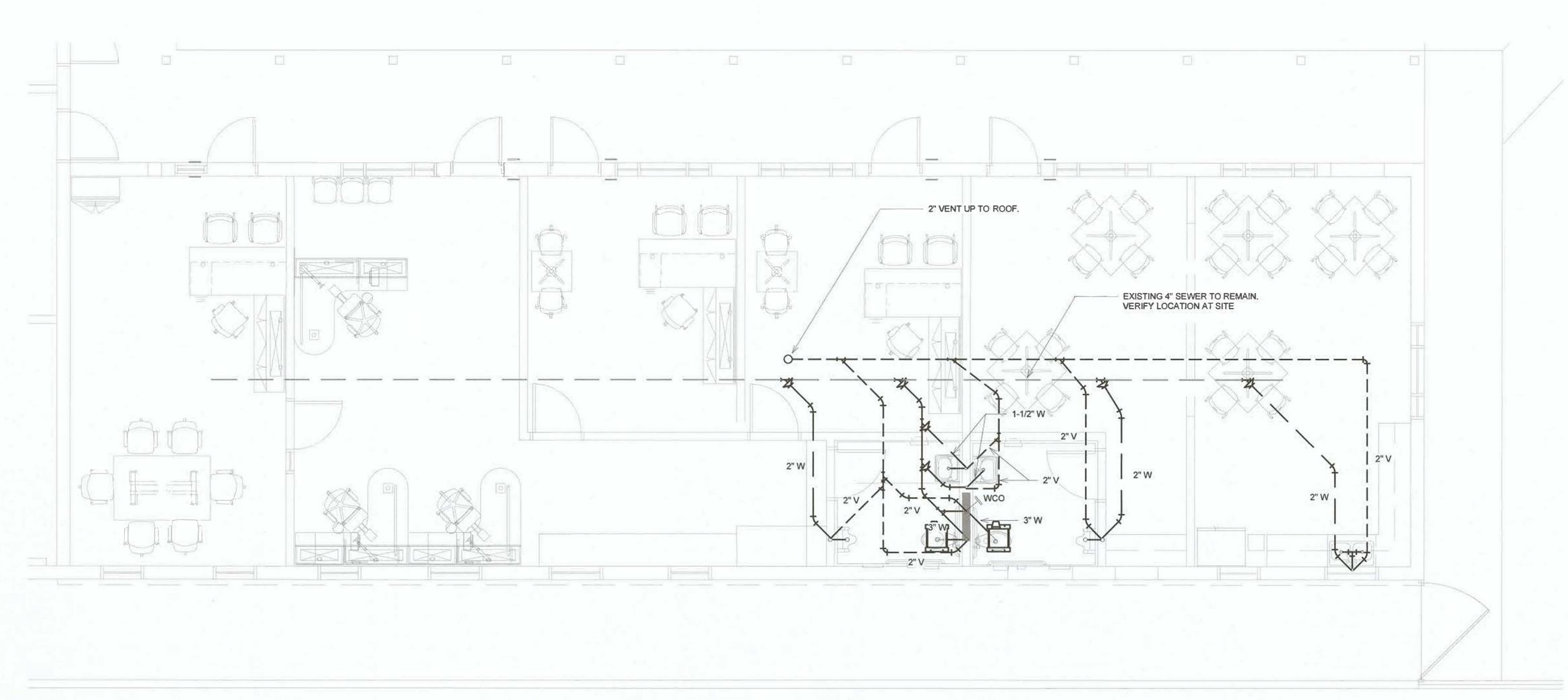
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Submittal of documents to public agencies shall not be considered a waiver of Engineer.

2 CW AND HW PLUMBING PLAN III 1/4" = 1'-0"



SEWER, VENT & GAS PLUMBING PLAN I



SEWER, VENT & GAS PLUMBING PLAN

1/4" = 1'-0"

ALL PROPRIETARY PRODUCTS/
SPECIFICATIONS SHALL INCLUDE THE
FOLLOWING "APPROVED EQUAL OR
BETTER" STATEMENT.

WINSTON ENGINEERING INC

8605 Santa Monica Blvd Ste 63454 West Hollywood, CA 90069 951-902-6600 info@winstoneng.com www.winstoneng.com



PROJECT NAME:

BEHAVIORAL HEALTH CLINIC REMODEL

COMMERCIAL

PROJECT ADDRESS:

120 N. 8TH STREET, EL CENTRO, CA 92243

PROJECT #: 481-1

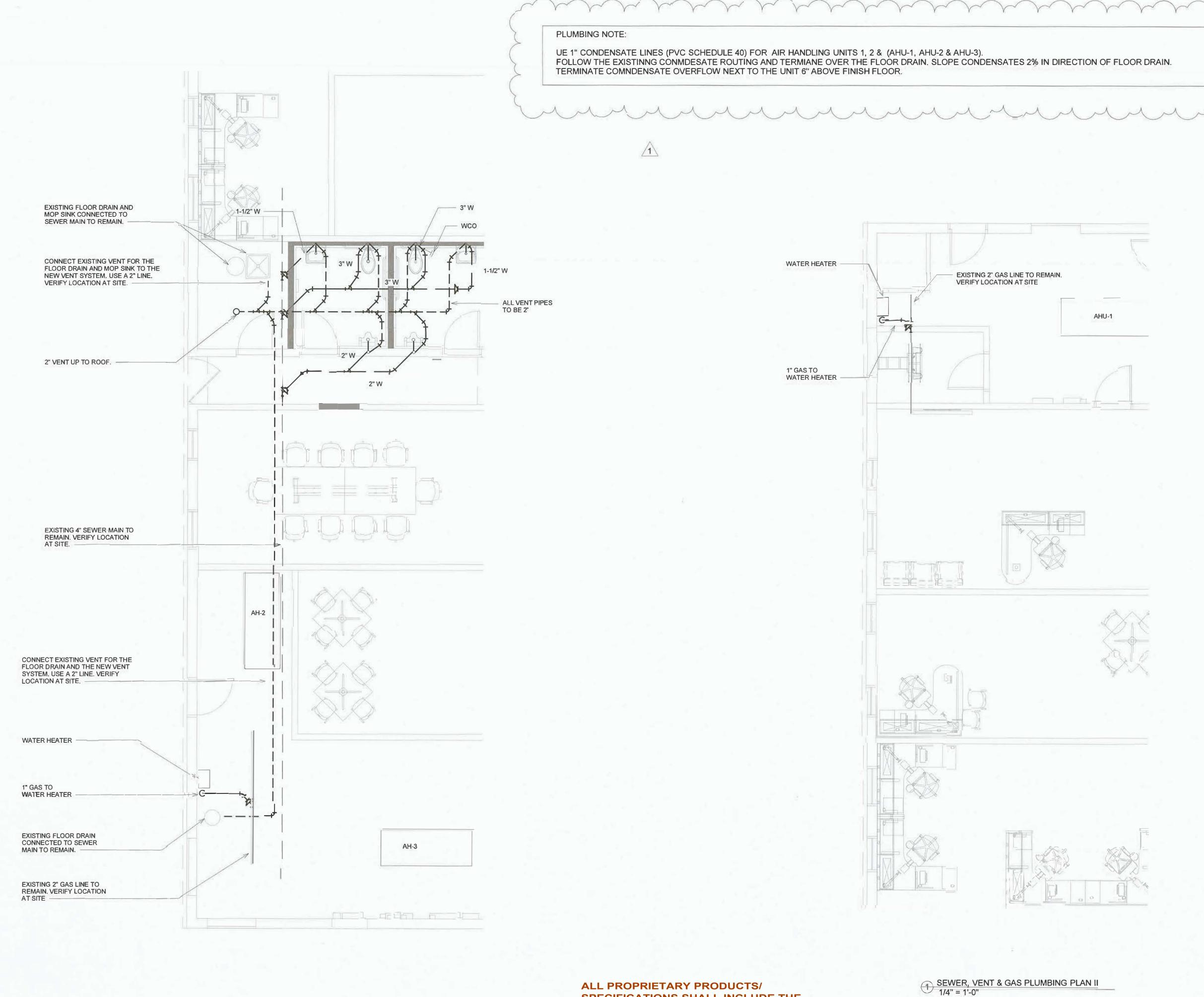
	REVISION SCHED	OLE
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^	INITIAL SUBMITTAL 1st SUBMITTAL	
1	1st SUBMITTAL	11-7-202

HEALTH CLINIC

P1.2

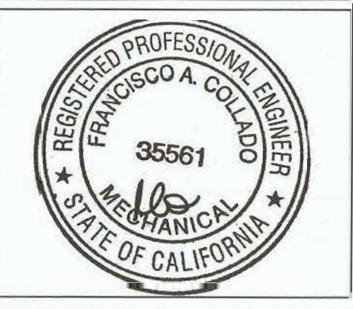
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INITIAL SUBMITTAL

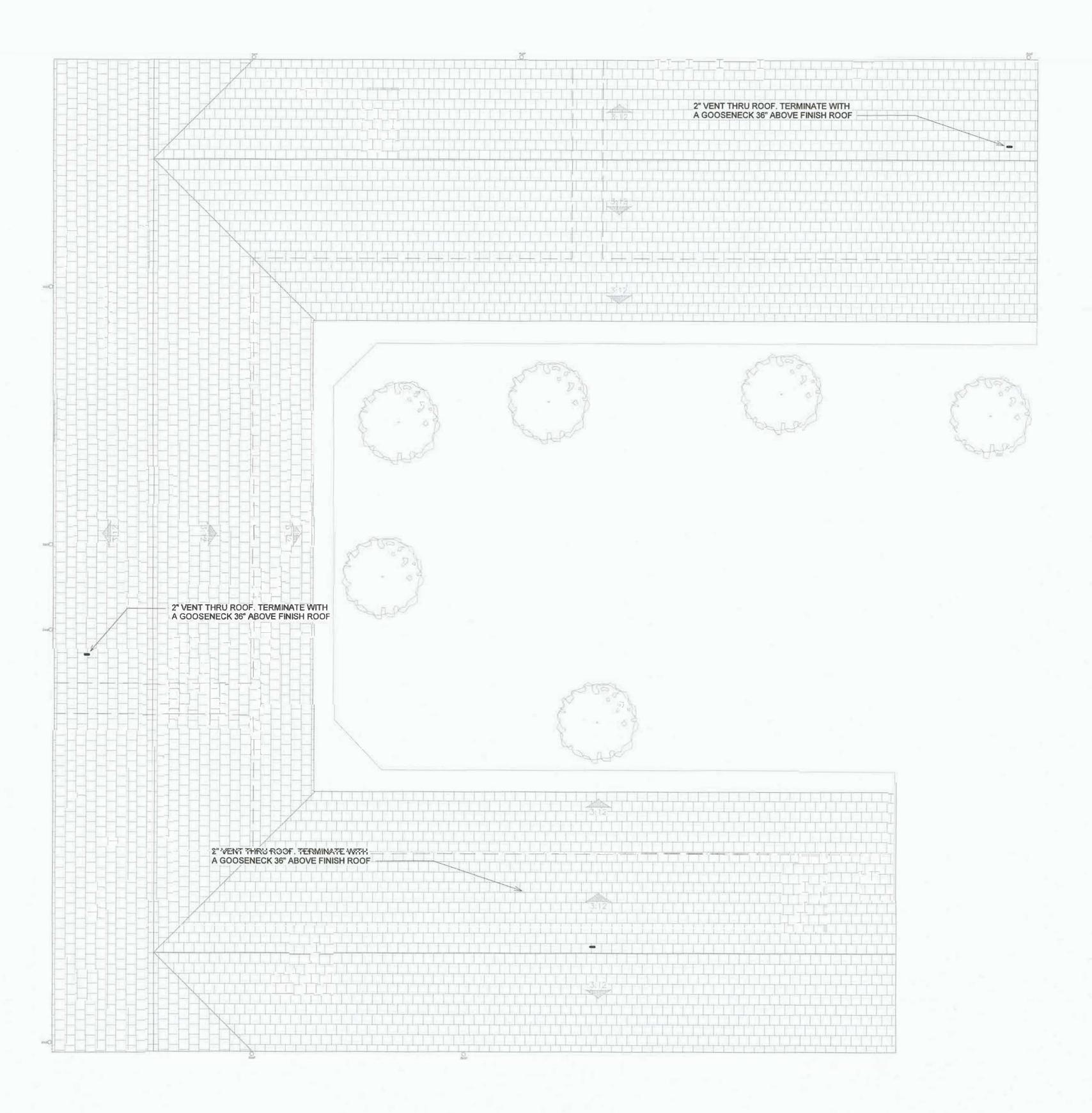
11-7-2022

HEALTH CLINIC

P1.3

PLUMBING FLOOR PLANS

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△ ISSUE	DATE
INITIAL SUBMITTAL 1st SUBMITTAL	11-7-2022

HEALTH CLINIC



PLUMBING ROOF PLAN

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ALL PROPRIETARY PRODUCTS/

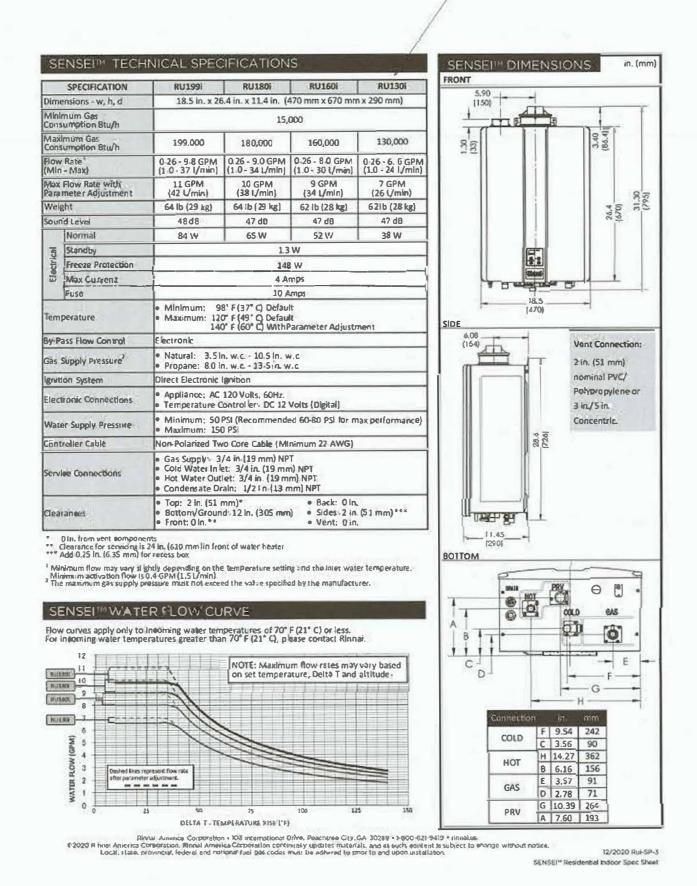
BETTER" STATEMENT.

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1 PLUMBING ROOF PLAN 1/8" = 1'-0"



Rinnai.

RU1991, RU1801, RU1601, RU1301

RESIDENTIAL



■ FLEXIBLE VENTING OPTIONS • Concentric or Schedule 40 PVC/CPVC

Direct Vent (Concentric and Twin Pipe)
Non-Direct Vent (Room Air)
Common Vent (Direct Vent and Room Air)
Maximum Equivalent Vent Lengths:
Twin Pipe
Vent Sizes 2 in. (51 mm) 3 in. (76 mm)

 Vent Sizes
 2 in. (51 mm)
 3 in. (76 mm)

 Vent Lengths
 65 ft (20 m)
 150 ft (46 m)

 Concentric

 Vent Sizes
 2 ln. X 4 ln.
 3 ln. X 5 ln.

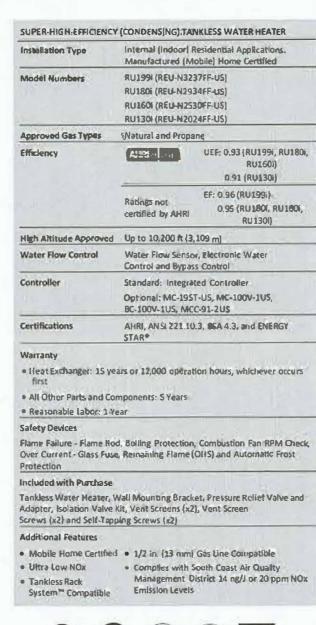
 Vent Lengths
 65 ft (20 m)
 150 ft (46 m)

■ EASE OF INSTALLATION AND SERVICEABILITY

Compact Design to Save Space
 Wi-FI Technology for Remote Monitoring and Management
 Silding Mounting Bracket for Easy Installation
 Simple Gas Conversion

OPTIONAL ACCESSORIES

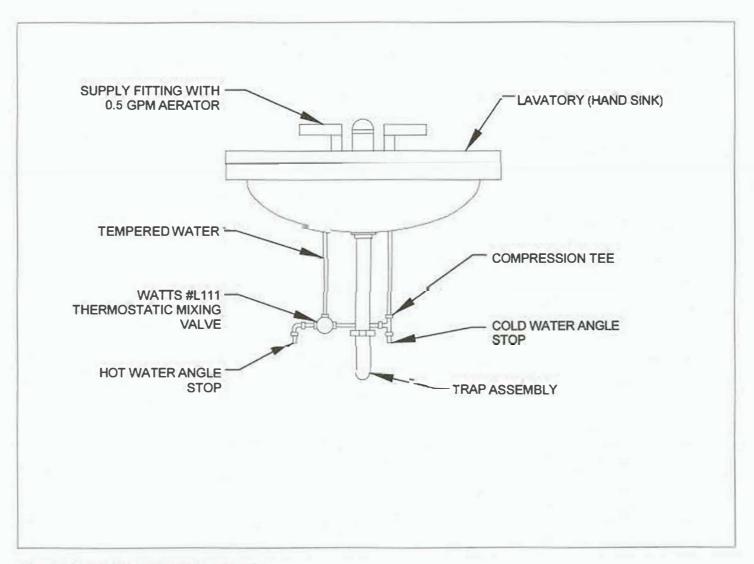
Room Air Screen, Condensate Neutralizer, ScaleCutter, Orain Down Kit, Additional Controllers, Pipe Cover, Recirculation Pump, DPS/MIS Switch. EZConnect* Cables, aontrol·I* WI-FI Module, Wireless Acressories, and many more. Visit rinnal.us for a complete list of accessories.



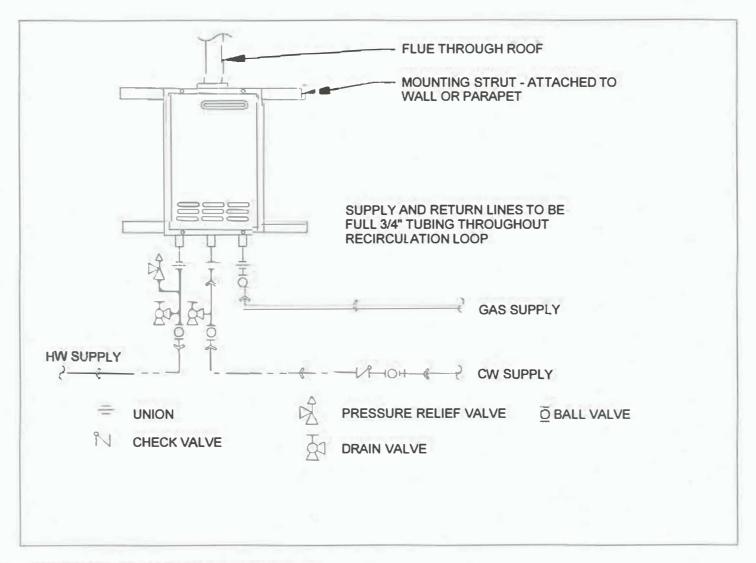
CERTIFIED TO ANSI Z21.10.3 - CSA 4.3

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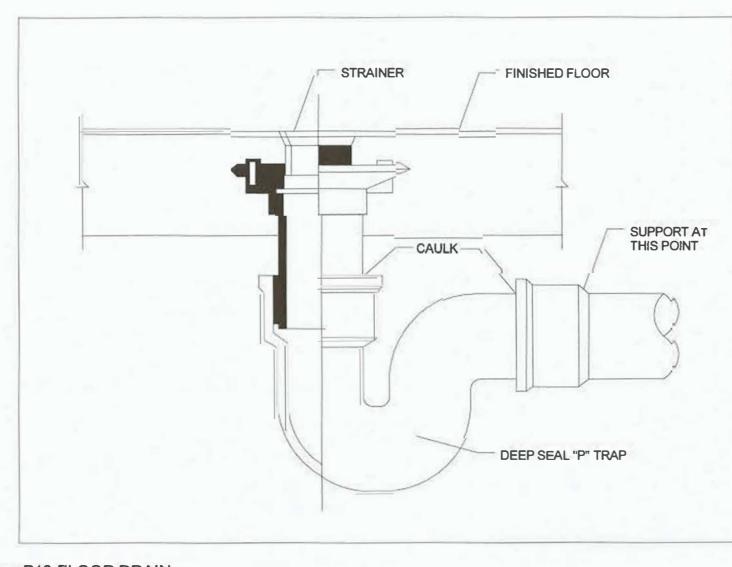
WATER HEATER - CUT SHEETS



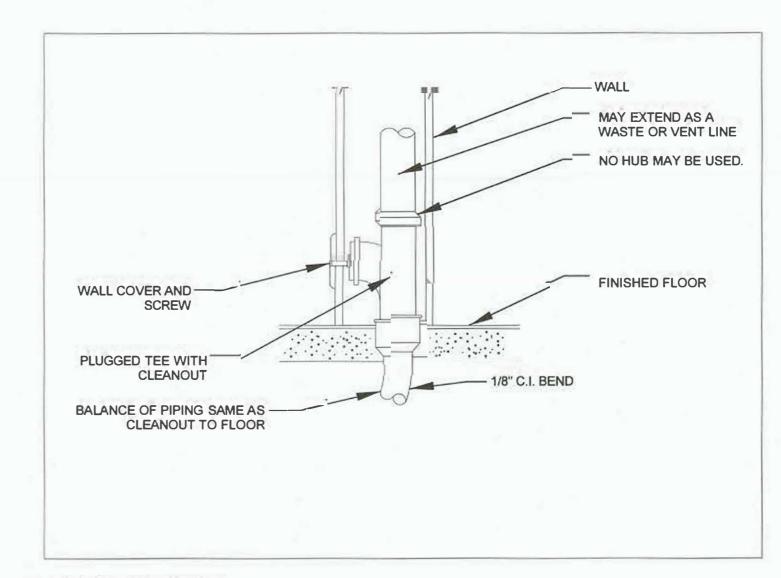
P7 LAVATORY INSTALLATION NTS



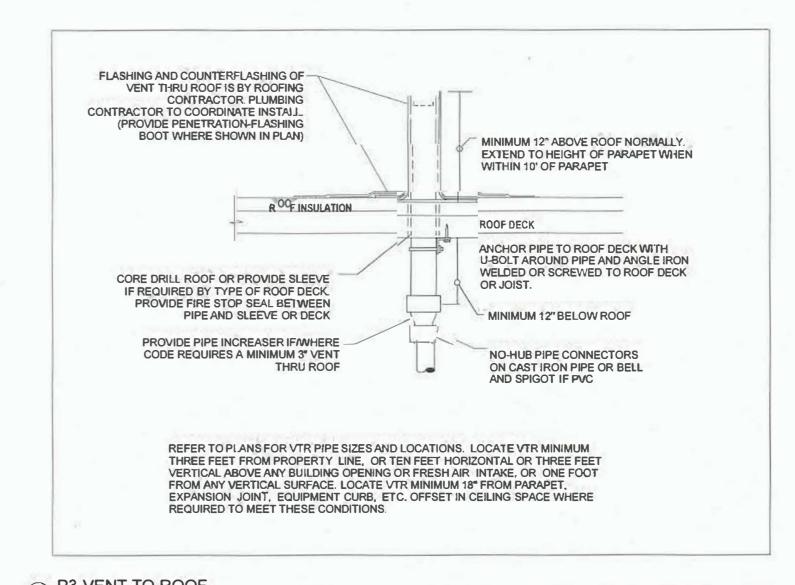
9 GAS TANKLESS WATER HEATER NTS



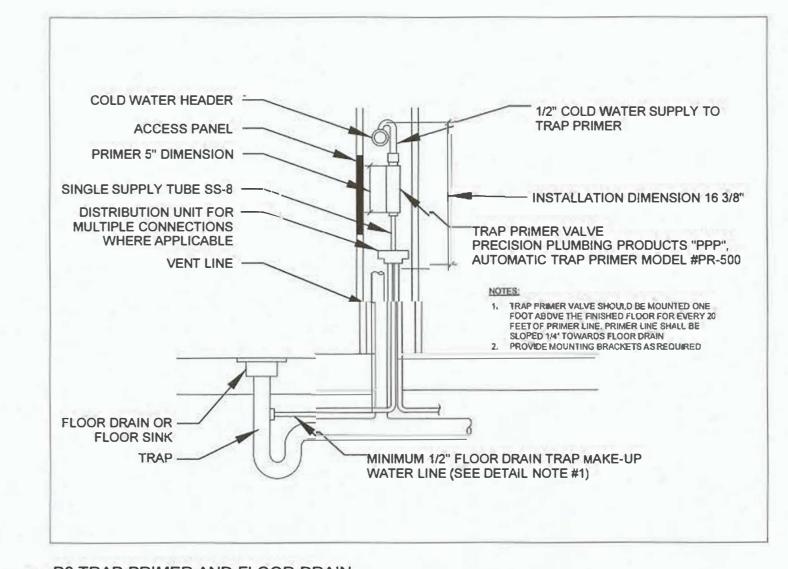
6 P12 FLOOR DRAIN



1 P4 WALL CLEANOUT NTS



2) PS VENT TO ROOF

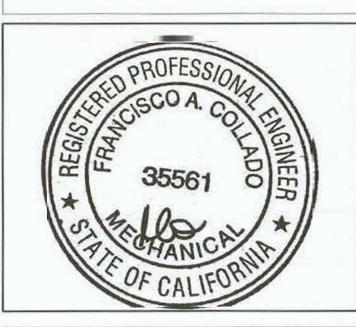


3 P2 TRAP PRIMER AND FLOOR DRAIN NTS

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HEALTH CLINIC

P2.0

PLUMBING DETAILS

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