

SAN JOSE COUNTRY CLUB

CONSTRUCTION PERMIT SUBMITTAL 15571 ALUM ROCK AVE SAN JOSE CA

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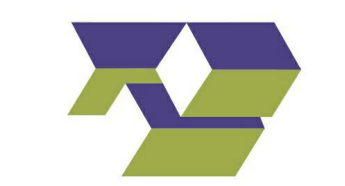
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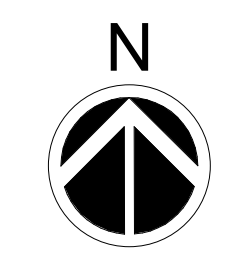
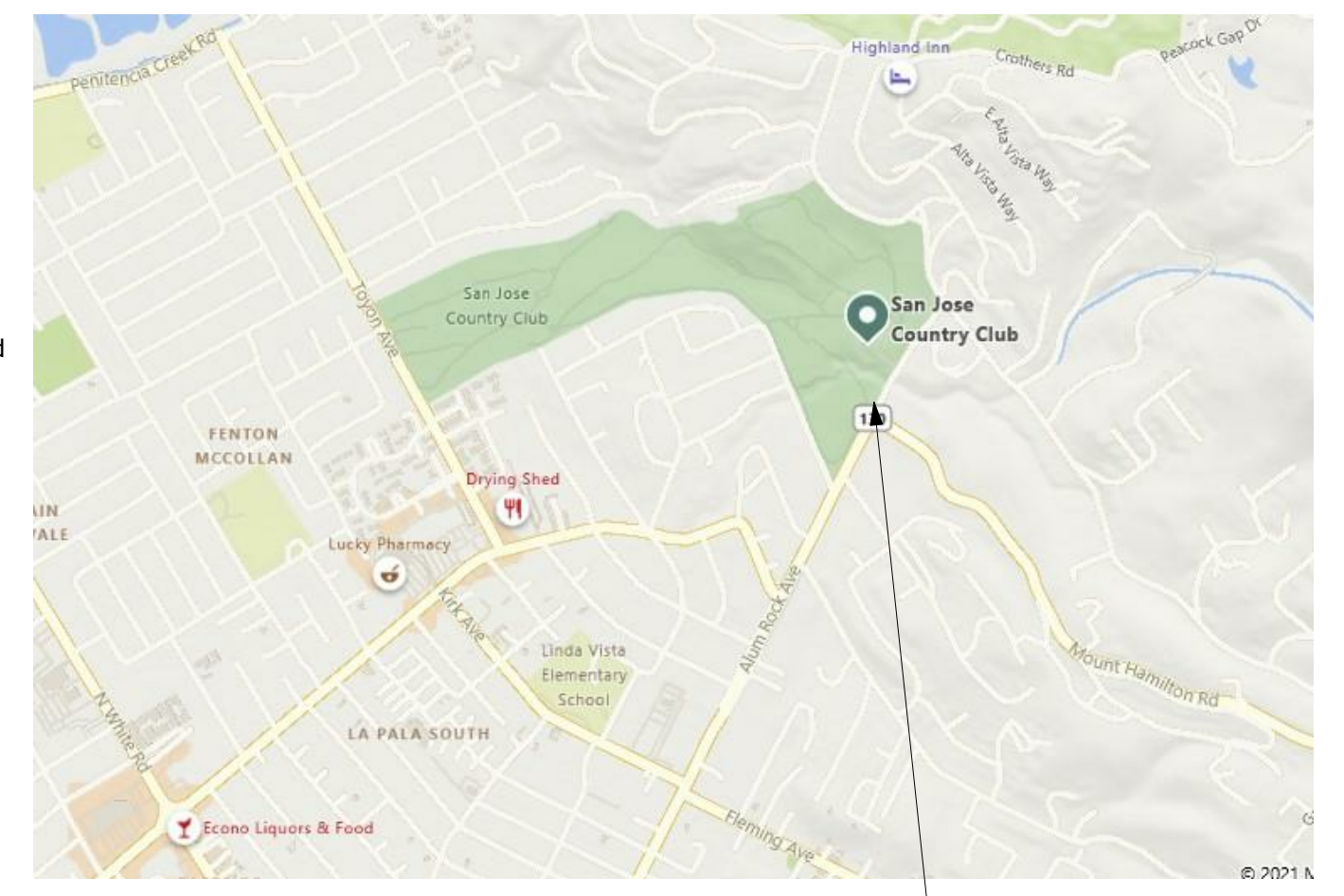


SAN JOSE COUNTRY CLUB
15571 ALUM ROCK AVE SAN JOSE CA

ABBREVIATIONS

&	And	MECH.	Mechanical
@	At	MTL.	Metal
Ø	Diameter or Round	MIN.	Minimum
#	Pound or Number	MISC.	Miscellaneous
(E)	Existing	(N)	New
A.F.F.	Above Finish Floor	N.I.C.	Not in Contract
ACOUS.	Acoustical	NO. or #	Number
ALUM.	Aluminum	N.T.S.	Not to Scale
ARCH.	Architectural	O/	Over
BD.	Board	OCC.	Occupants
BLDG.	Building	O.C.	On Center
BLK.	Block	O.D.	Outside Diameter (Dim.)
BLKG.	Blocking	OFCI	Owner Furnished Contractor Installed
CLG.	Ceiling	OPP.	Opposite
CLR.	Clear	PL.	Plate
CONC.	Concrete	P.LAM.	Plastic Laminate
CONT.	Continuous	PLYWD.	Plywood
DEPT.	Department	REF.	Reference
DET.	Detail	REINF.	Reinforced
DIA.	Diameter	REQ.	Required
DR.	Door	RM.	Room
DWG.	Drawing	R.O.	Rough Opening
(E)	Existing	S.	South
EA.	Each	S.C.	Solid Core
EL.	Elevation	SCHED.	Schedule
ELEC.	Electrical	SD.	Smoke Detector
EXIST.	Existing	SECT.	Section
EXT.	Exterior	SED.	See Electrical Drawings
F.E.	Fire Extinguisher	SIM.	Similar
F.E.C.	Fire Extinguisher Cabinet	SMD	See Mechanical Drawings
F.O.C.	Face of Concrete	SPD	See Plumbing Drawings
F.O.F.	Face of Finish	SSD	See Structural Drawings
F.O.S.	Face of Studs	STD.	Standard
FT.	Foot or Feet	STL.	Steel
GA.	Gauge	STOR.	Storage
GALV.	Galvanized	T.&G.	Tongue and Groove
G.B.	Grab Bar	TY.P.	Typical
GYP.	Gypsum	U.O.N.	Unless Otherwise Noted
H.B.	Hose Bibb	VCT.	Vinyl Composition Tile
H.C.	Hollow Core	V.I.F.	Verify In Field
HDWD.	Hardwood	VEST.	Vestibule
INT.	Interior	W/	With
JAN.	Janitor	WD.	Wood
LAM.	Laminate	WH	Water Heater
MAX.	Maximum	W/O	Without
		WT.	Weight

VICINITY MAP



PROJECT LOCATION
15571 ALUM ROCK AVE, SAN JOSE, CA

PROJECT DATA

APN	599-32-002
TOTAL SITE AREA	----- SF.
EXISTING BUILDING AREA	27,435 SF.
PROPOSED BUILDING AREA	27,435 SF.
LOWER LEVEL:	11,977 SF
MAIN LEVEL:	13,658 SF
MECH. MEZZANINE:	1,725 SF
	27,360 SF
OCCUPANCY	A2, B, S2
NUMBER OF STORIES	2
TYPE OF CONSTRUCTION	V-A
FIRE SPRINKLERED	YES

PROJECT TEAM

OWNER:
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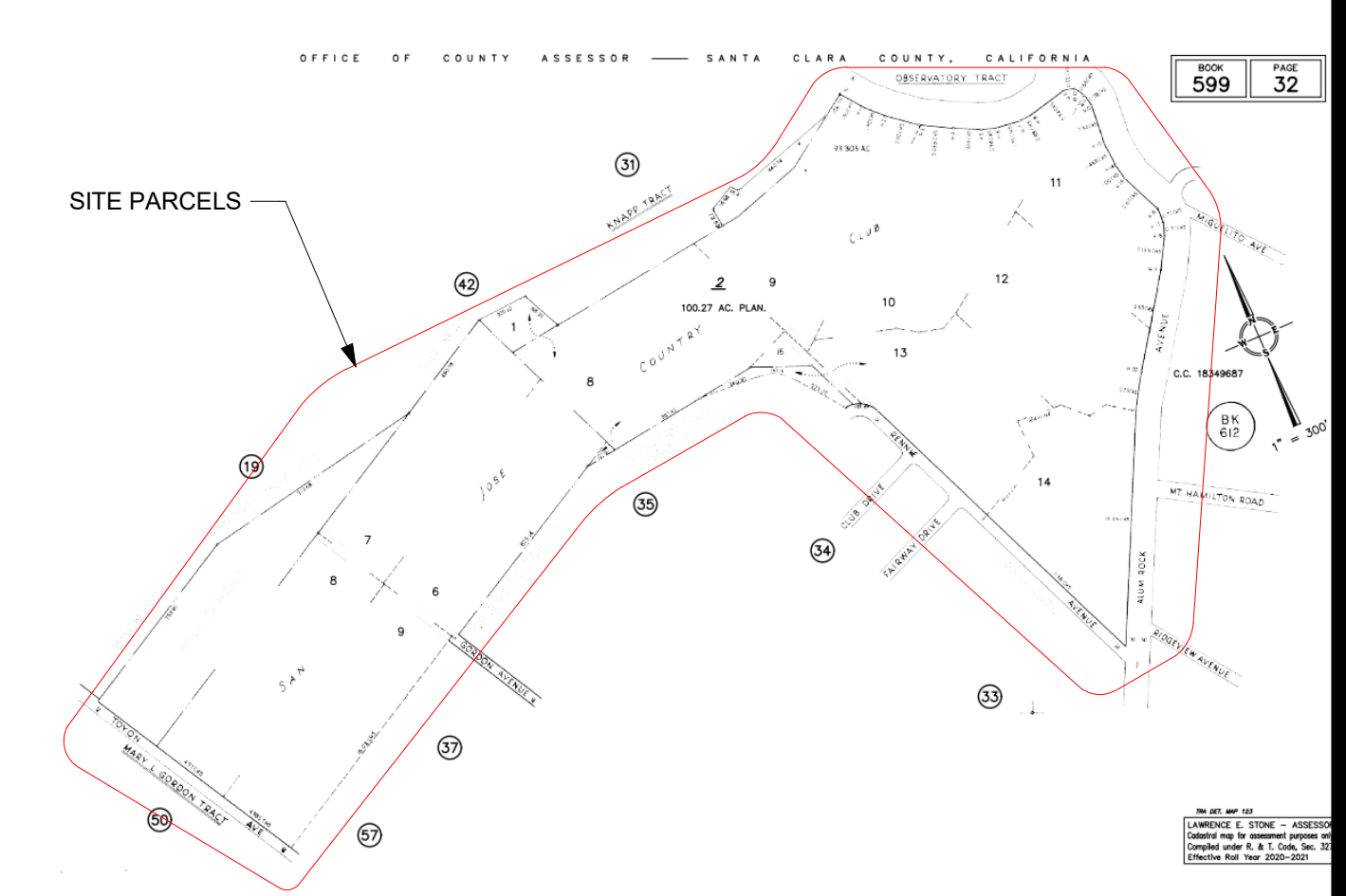
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SCOPE OF WORK:

THE INTERIOR IMPROVEMENTS INCLUDE REPLACING A FEW EXTERIOR DOORS, ADDING A SLIDING DOOR WALL, UPGRADING EXISTING FINISHES AT THE GAS FIREPLACE AND GENERAL FINISH UPGRADES. THE EXTERIOR IMPROVEMENTS ARE UPDATING PATIO PAVING, ADDING STAIR FOR ACCESS FROM MAIN LEVEL TO PATIO, REPLACE EXISTING GAS FIRE PITS AND ENTRY PORTE COCHERE CANOPY.

PARCEL MAP



SYMBOLS

10A	WALL TAG	1 Ref	ELEVATION NUMBER/SHEET REFERENCE SYMBOL
TOP CONDITION. SEE DETAIL ON A5.1			
WALL TYPE. SEE DETAIL ON A5.1			
101	DOOR SYMBOL	1 Ref	NORTH ARROW SYMBOL
1t	WINDOW SYMBOL		
?	KEYNOTE OR REFERENCE NOTE SYMBOL	1 Ref	DETAIL NUMBER/SHEET REFERENCE SYMBOL
CL	CENTERLINE SYMBOL		
1	REVISION NUMBER SYMBOL	1 Ref	FLOOR LEVEL HEIGHT REFERENCE SYMBOL

Room name	ROOM TAG SYMBOL
101	150 SF
1 SIM	SECTION NUMBER/SHEET REFERENCE SYMBOL
1	View Name
1/8" = 1'-0"	
0	COLUMN OR GRID LINE SYMBOL

DEFERRED SUBMITTALS

- DESIGN BUILD STAIR
- PORTE COCHERE CANOPY

GOVERNING CODES

CALIFORNIA BUILDING CODE	2019
CALIFORNIA ELECTRIC CODE	2019
CALIFORNIA MECHANICAL CODE	2019
CALIFORNIA PLUMBING CODE	2019
CALIFORNIA ENERGY CODE	2019
CALIFORNIA FIRE CODE	2019
CALIFORNIA GREEN BUILDING STANDARD CODE	2019

Job Number	19024
Date	05/03/2021
Drawn	
Author	
Sheet Title	COVER SHEET

Scale
3/32" = 1'-0"

Revisions

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A0.1

- ## GENERAL NOTES - 02 PARTITIONS
- ALL STUDS AT NON-BEARING, INTERIOR PARTITIONS SHALL BE CONSTRUCTED OF STEEL THREE AND FIVE-EIGHTHS (3-5/8") WIDE BY TWENTY-FIVE (25) GAUGE, OR ALTERNATIVELY 2X4 DF #2 (MIN.) AT TWENTY-FOUR (24") O.C. UNLESS NOTED OTHERWISE.
 - PROVIDE AND INSTALL HEAVIER GAUGE STUDS, STIFFENERS, BRACING BACK-UP PLATES, ETC., AS REQUIRED AT STUD WALLS FOR SUPPORT OF TOILET ROOM FIXTURE OR OTHER EQUIPMENT.
 - SEE WALL LEGENDS OR CALL OUTS ON PLANS FOR GYPSUM BOARD THICKNESS AND FIRE RATING, AND FOR INSULATION AS REQUIRED.
 - ALL GYPSUM BOARD USED AT WALLS IN JANITOR'S ROOMS AND ALL TOILET ROOMS SHALL BE WATER RESISTANT.

- 1 IN ADDITION TO THOSE SHOWN ON THE DRAWINGS AND AFTER APPROVAL BY ARCHITECT, PROVIDE AND LOCATE ACCESS DOORS AND/OR PANELS IN CEILING AND WALL CONSTRUCTION AS REQUIRED AND NECESSARY FOR INSTALLATION AND MAINTENANCE OF MECHANICAL, FIRE SPRINKLER, PLUMBING AND ELECTRICAL INFRASTRUCTURE.
- 2 PRIOR TO PROCEEDING WITH CONTRACTED WORK, CONTRACTOR SHALL VERIFY SITE, LOCATIONS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT PLATFORMS, INCLUDING BUT NOT LIMITED TO PLATFORM BASES, ANY POWER SUPPLY, NECESSARY WATER SOURCE OUTLETS AND DRAIN INSTALLATION WITH EQUIPMENT MANUFACTURERS PRIOR TO PROCEEDING WITH THE WORK. CHANGES TO IMMEDIATE FIELD CONDITIONS AND CONTRACTOR'S SUBSTITUTIONS SHALL BE MADE WITHOUT ADDITIONAL CHARGE TO OWNER.
- 3 MECHANICAL AND ELECTRICAL CONTRACTORS SHALL VERIFY SIZE, SHAPE AND LOCATION OF HOUSEKEEPING PADS FOR THEIR EQUIPMENT, ANY FIELD CHANGES SHALL BE MADE WITHOUT ADDITIONAL CHARGE TO THE OWNER.
- 4 WHERE RESTROOMS ARE PROVIDED, MECHANICAL VENTILATION SHALL BE PROVIDED TO ENSURE AN AIR EXCHANGE EACH FIVE (5) MINUTES.

- B. LOCATE CENTERLINE OF WATER CLOSET TOILET AT A MINIMUM OF SEVENTEEN INCHES (17") TO EIGHTEEN INCHES (18") MAXIMUM FROM ONE SIDE OF CLOSET WALL, SEE PLANS FOR REQUIRED CLEARANCES.
- C. TWO (2) GRAB BARS WITH AN ONE AND ONE-HALF INCH (1-1/2") OUTSIDE DIAMETER SHALL BE PROVIDED AND INSTALLED ACCORDING TO THE FOLLOWING DIRECTIONS: ONE, FORTY-TWO INCH (42") LONG BAR SHALL BE MOUNTED ON THE NEAR SIDE WALL EXTENDING TWENTY-FOUR INCHES (24") BEYOND THE FRONT OF WATER CLOSET TOILET AND ONE THIRTY-SIX INCH (36") LONG BAR SHALL BE MOUNTED, CENTERED ON THE WATERCLOSET TWELVE INCHES (12") MINIMUM ON ONE SIDE AND TWENTY FOUR (24") MINIMUM ON THE OTHER SIDE. GRAB BARS SHALL BE INSTALLED THIRTY-THREE INCHES (33") MINIMUM AND THIRTY-SIX (36") MAXIMUM ABOVE THE FLOOR SURFACE AND ONE AND ONE-HALF INCH (1-1/2") CLEAR FROM THE WALL SURFACE. GRAB BARS SHALL BE INSTALLED SO AS TO SUPPORT A TWO HUNDRED FIFTY POUND (250#) LOAD IN ANY DIRECTION.
- D. A TISSUE DISPENSER SHALL BE LOCATED ON THE NEAR SIDE WALL SEVEN INCHES (7") MINIMUM AND NINE INCHES (9") MAXIMUM IN FRONT OF TOILET SEAT AT A MINIMUM OF NINETEEN INCHES (19") ABOVE THE FLOOR SURFACE AND SHALL NOT BE LOCATED BEHIND THE GRAB BAR.
6. ACCESSIBLE URINALS SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
- A. URINALS SHALL BE STALL-TYPE OR WALL HUNG WITH AN ELONGATED RIM LOCATED AT A MAXIMUM OF SEVENTEEN INCHES (17") ABOVE THE FLOOR SURFACE AND THIRTEEN AND ONE-HALF INCHES (13 1/2") MINIMUM MEASURED FROM OUTER FACE OF URINAL RIM TO BACK OF FIXTURE.
- B. A CLEAR FLOOR SPACE THIRTY INCHES (30") BY FORTY-EIGHT INCHES (48") SHALL BE PROVIDED IN FRONT OF URINALS TO ALLOW FORWARD APPROACH AND SAID APPROACH SHALL ADJOIN AND/OR OVERLAP AN ACCESSIBLE ROUTE.
- C. FLUSH CONTROLS SHALL BE HAND OPERATED BY OSCILLATING HANDLE OR AUTOMATIC MECHANISM MOUNTED NO MORE THAN FORTY-FOUR INCHES (44") ABOVE THE FLOOR WITH A MAXIMUM FORCE OF FIVE POUNDS (5#).





Revisions	
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TABLE 1017.2

EXIT ACCESS TRAVEL DISTANCE^a

OCCUPANCY	WITHOUT SPRINKLER SYSTEM (feet)	WITH SPRINKLER SYSTEM (feet)
A, E, F-1, M, R, S-1	200 ^e	250 ^b
R-2.1	Not Permitted	250 ^b
B	200	300 ^c
F-2, S-2, U	300	400 ^c
H-1	Not Permitted	75 ^d
H-2	Not Permitted	100 ^d
H-3	Not Permitted	150 ^d
H-4	Not Permitted	175 ^d
H-5	Not Permitted	200 ^c
I-2, I-2.1, I-3 ^f	Not Permitted	200 ^c
I-4	150	200 ^c
L	Not Permitted	200 ^c

TABLE 508.4
REQUIRED SEPARATION OF OCCUPANCIES (HOURS)^h

OCCUPANCY	A, E		I-4, R-2.1		I-2, I-2.1		I-3		R-1, R-2, R-3, R-3.1, R-4		F-2, S-2 ^b , U		B ^f , F-1 ^g , M, S-1		L		H-1		H-2		H-3, H-4		H-5	
	S	NS	S	NS	S	NS	S	NS	S	NS	S	NS	S	NS	S	NS	S	NS	S	NS	S	NS	S	NS
A, E	N	N	2	2	2	NP	2	NP	1	2	N	1	1	2	2	NP	NP	NP	3	4	2	3	2	NP
I-4, R-2.1	—	—	1 ^e	NP	2	NP	2	NP	1	NP	1	2	1	2	2	NP	NP	NP	4	NP	2	NP	2	NP
I-2, I-2.1	—	—	—	—	N	NP	2	NP	2	NP	2	NP	2	NP	2	NP	NP	NP	4	NP	2	NP	2	NP
I-3	—	—	—	—	—	—	N	NP	2	NP	2	2	2	2	2	NP	NP	NP	4	NP				
R-1, R-2, R-3, R-3.1, R-4	—	—	—	—	—	—	—	—	N	N	1 ^c	2 ^c	1	2	4	NP	NP	NP	3	NP	2	NP	2	NP
F-2, S-2 ^b , U	—	—	—	—	—	—	—	—	—	—	N	N	1	2	1	NP	NP	NP	3	4	2	3	2	NP
B, F-1, M, S-1	—	—	—	—	—	—	—	—	—	—	—	—	N	N	1	NP	NP	NP	2	3	1	2	1	NP
L	—	—	—	—	—	—	—	—	—	—					1	NP	NP	NP	2	NP				
H-1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	N	NP	NP	NP	NP	NP	NP	NP
H-2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	N	NP	1	NP	1	NP
H-3, H-4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1 ^d	NP	1	NP	1 ^d	NP	1	NP
H-5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	N	NP	—	—	N	NP

it access travel distance shall not exceed the values given in Table 1017.2.

TABLE 1017.2

EXIT ACCESS TRAVEL DISTANCE^a

OCCUPANCY	WITHOUT SPRINKLER SYSTEM (feet)	WITH SPRINKLER SYSTEM (feet)
A, E, F-1, M, R, S-1	200 ^e	250 ^b
R-2.1	Not Permitted	250 ^b
B	200	300 ^c
F-2, S-2, U	300	400 ^c
H-1	Not Permitted	75 ^d
H-2	Not Permitted	100 ^d
H-3	Not Permitted	150 ^d
H-4	Not Permitted	175 ^d
H-5	Not Permitted	200 ^c
I-2, I-2.1, I-3 ^f	Not Permitted	200 ^c
I-4	150	200 ^c
L	Not Permitted	200 ^c

TABLE 1004.5
MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

FUNCTION OF SPACE	OCCUPANT LOAD FACTOR ^a
Accessory storage areas, mechanical equipment room	300 gross
Agricultural building	300 gross
Aircraft hangars	500 gross
Airport terminal	
Baggage claim	20 gross
Baggage handling	300 gross
Concourse	100 gross
Waiting areas	15 gross
Assembly	
Gaming floors (keno, slots, etc.)	11 gross
Exhibit gallery and museum	30 net
Assembly with fixed seats	See Section 1004.6
Assembly without fixed seats	
Concentrated	7 net
(chairs only—not fixed)	5 net
Standing space	15 net
Unconcentrated (tables and chairs)	
Bowling centers, allow 5 persons for each lane including 15 feet of runway, and for additional areas	7 net
Business areas	150 gross
Concentrated business use areas	See Section 1004.8
Courtrooms—other than fixed seating areas	40 net
Day care	35 net
Dormitories	50 gross
Educational	
Classroom area	20 net
Shops and other vocational room areas	50 net
Exercise rooms	50 gross
Group H-5 fabrication and manufacturing areas	200 gross
Industrial areas	100 gross
Institutional areas	
Inpatient treatment areas	240 gross
Outpatient areas	100 gross
Sleeping areas	120 gross
Kitchens, commercial	200 gross
Laboratory	
Educational (K—12 th grade)	50 net
Laboratories, non-educational	100 net
Laboratory suite ^b	200 gross
Library	
Reading rooms	50 net
Stack area	100 gross
Locker rooms	50 gross
Mall buildings—covered and open	See Section 402.8.2
Mercantile	
Storage, stock, shipping areas	60 gross
Parking garages	300 gross
Residential	200 gross
Skating rinks, swimming pools	
Rink and pool	50 gross
Decks	15 gross
Stages and platforms	15 net
Warehouses	500 gross

For SI: 1 foot = 304.8 mm; 1 square foot = 0.0929 m².

a. Floor area in square feet per occupant.

b. See Section 433.2.



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15571 ALUM ROCK AVE SAN JOSE CAJob Number
19024Date
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Sheet Title
CODES ANALYSISScale
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Revisions

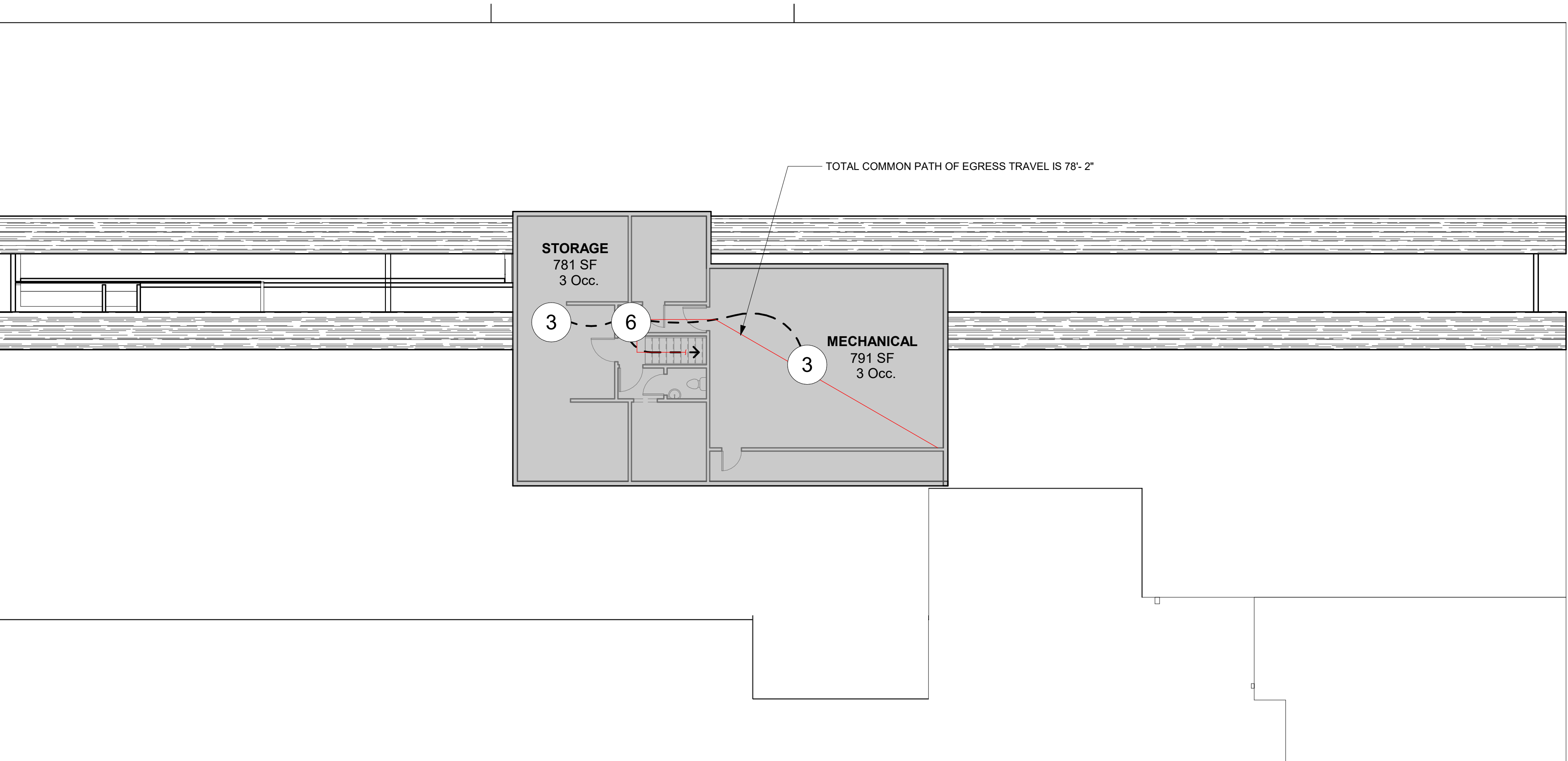
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Codes Analysis - MECHANICAL LEVEL

SCALE: 1" = 10'-0"



2019 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2020, Includes August 2019 Supplement)

[illegible]

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SAN JOSE COUNTRY CLUB
15571 ALUM ROCK AVE SAN JOSE CA


Job Number
19024


Date
05/03/2021


Drawn
Author


Sheet Title
CAL GREEN


Revisions


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NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2020, Includes August 2019 Supplement)

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Date
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Drawn

Author

Sheet Title
CAL GREEN 2

Scale

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DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Our mission is to provide the highest level of safety, and to protect public health and the environment from toxic harm.

- Another handler (typically a business that specializes in collecting, storing, accumulating and shipping universal wastes). Examples:
 - A household hazardous waste facility
 - A "Take-it-Back Partner" such as a retailer or manufacturer
 - A collection event
- A universal waste transporter. Examples:
 - A curbside HHW collection program
 - A package service (e.g., postal service, UPS)
 - A destination facility that offers a pick-up service
- A universal waste destination facility (generally, a facility with a permit to treat, store, or dispose of hazardous waste).

Search engines available to find locations accepting universal waste in your area:
E-Recycle.org; Earth911.org; CalRecyle database; DTSC map; HHW list;

For more information, see DTSC's Universal Waste Web page at:
<https://dtsc.ca.gov/universalwaste/>

Contact your DTSC regulatory assistance officer at: (800) 728-6942



DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Our mission is to provide the highest level of safety, and to protect public health and the environment from toxic harm.

- Provide personnel training to personnel who manage universal waste, or whosupervise personnel who manage universal waste and keep training records
- Respond to releases of universal waste or its contents; determine if spill residuals are hazardous waste
- Track shipments by keeping records of what was received and shipped (name, address, quantities) for three years

Universal Waste Transporters

A universal waste transporter is a person engaged in the offsite transportation of universal waste by air, rail, highway or water. A universal waste transporter may be:

- Universal waste handler carrying universal waste in his or her own vehicle
- A package shipping service (e.g., US Postal Service; FedEx, UPS)
- A commercial carrier (e.g., a trucking company, a hauler specializing in universal waste, or the operator of a destination facility that offers a universal waste pick-up service)
 - If you do not own or operate a facility that accepts, generates, accumulates, or stores universal waste, but you pick up and transport universal waste (e.g., electronic devices from office complexes) to a recycling or collection facility, you are a universal waste transporter. **Universal waste transporters do not need to notify DTSC or submit annual reports for their transportation activities.**
- Universal waste transporters may store universal waste at a transfer facility for up to 10 days (depending on local zoning). A universal waste transporter who exceeds this limit is considered a universal waste handler and is subject to the handler requirements summarized above.

Destination Facilities

A destination facility is a fully-regulated hazardous waste facility that treats, disposes of, or recycles a specific type of universal waste. Examples of destination facilities are hazardous waste recycling facilities and hazardous waste landfills. A destination facility shall manage the universal waste in accordance with the requirements and conditions in its hazardous waste facility permit, unless authorized by section 66273.60 of title 22 of the California Code of Regulations to manage it pursuant to the reduced requirements applicable to universal waste handlers. A destination facility is required to follow certain rules for shipping universal wastes off-site and for rejecting shipments that contain universal waste and is required to keep records of all shipments received for three years. A facility that only accepts and accumulates universal waste is not a destination facility. Such a facility is regulated as a universal waste handler.



DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Our mission is to provide the highest level of safety, and to protect public health and the environment from toxic harm.

Households and Conditionally Exempt Small Quantity Universal Waste Generators (CESQUWG)

Two categories of universal waste handlers—households and CESQUWGs—are exempt from most of the requirements of the universal waste regulations provided they comply with certain conditions. Handlers who qualify for these exemptions are not required:

- To obtain an EPA ID number or otherwise notify DTSC;
- To keep records of shipments or provide annual reports to DTSC; or
- To label their universal waste.

A **household** is defined to include a single detached residence (e.g., a house) or a single unit of a multiple residence unit (e.g., an apartment or condominium). Households that generate hazardous wastes other than universal wastes (e.g., paints and motor oil) can visit DTSC's [Household Hazardous Waste](#) web page for information on how to properly dispose of them.

A **Conditionally Exempt Small Quantity Universal Waste Generator (CESQUWG)** is a universal waste generator who produces less than 100 kilograms (220 pounds) of RCRA hazardous waste, including universal waste that is RCRA universal waste and less than 1 kilogram of acutely hazardous waste in a calendar month. (RCRA hazardous waste is hazardous waste that is regulated under the hazardous waste regulations adopted by the U.S. Environmental Protections Agency.)

Pursuant to section 66273.8 of title 22 of the California Code of Regulations, a generator who meets the definition of a household or a CESQUWG is exempt from universal waste handler requirements provided he or she:

- Does not dispose of universal waste;
- Relinquishes universal waste only to another universal waste handler, a universal waste transporter, a destination facility, or a curbside household hazardous waste collection program; and
- Does not conduct treatment of universal waste, except for limited activities enumerated in the regulations (e.g., removing batteries, light bulbs, or mercury switches). This exemption applies only to universal waste generated by the household (e.g. light bulbs, computers, televisions, thermostats, cell phones, etc.), not to universal waste accepted from other people.

Where can I send universal wastes?

A handler may not send universal waste to a municipal solid waste (garbage) landfill or a non-hazardous waste recycling center. All handlers of universal waste must relinquish their universal waste to one of the following:



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Fact Sheet, January 2010
Universal Waste Fact Sheet

California's Universal Waste Rule allows individuals and businesses to transport, handle and recycle certain common hazardous wastes, termed universal wastes, in a manner that differs from the requirements for most hazardous wastes. The more relaxed requirements for managing universal wastes were adopted to ensure that they are managed safely and are not disposed of in the trash.

What are Universal Wastes?

Universal wastes are hazardous wastes that are widely produced by households and many different types of businesses. Universal wastes include televisions, computers and other electronic devices as well as batteries, fluorescent lamps, mercury thermostats, and other mercury containing equipment, among others.

The hazardous waste regulations (Cal. Code Regs, title 22, division 4.5, chapter 11 section 66261.9) identify seven categories of hazardous wastes that can be managed as universal wastes. Any unwanted item that falls within one of these waste streams can be handled, transported and recycled following the simple requirements set forth in the universal waste regulations (UWR) (Cal. Code Regs, title 22, division 4.5, chapter 23)

Universal wastes are:

- Electronic devices:** Includes any electronic device that is a hazardous waste (with or without a Cathode Ray Tube (CRT)), including televisions, computer monitors, cell phones, VCRs, computer CPUs and portable DVD players.
- Batteries:** Most household-type batteries, including rechargeable nickel-cadmium batteries, silver button batteries, mercury batteries, alkaline batteries and other batteries that exhibit a characteristic of a hazardous waste
- Electric lamps:** Fluorescent tubes and bulbs, high intensity discharge lamps, sodium vapor lamps and electric lamps that contain added mercury, as well as any other lamp that exhibits a characteristic of a hazardous waste. (e.g., lead).
- Mercury-containing equipment:** Thermostats, mercury switches, mercury thermometers, pressure or vacuum gauges, dilators and weighted tubing, mercury rubber flooring, mercury gas flow regulators, dental amalgams, counterweights, dampers and mercury added novelties such as jewelry, ornaments and footwear.
- CRTs:** The glass picture tubes removed from devices such as televisions and computer monitors.
- CRT glass:** A cathode ray tube that has been accidentally broken or processed for recycling.
- Non-empty aerosol cans**

Universal Wastes may not be disposed of in the trash!



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Regulatory Standards for Universal Waste

The UWR has separate requirements for each of the three types of regulated entities:

- Universal waste handlers
- Universal waste transporters
- Destination Facilities

Universal Waste Handlers

A universal waste handler is a generator of universal waste or the owner or operator of a facility that receives universal waste from another universal waste handler, accumulates universal waste, and sends universal waste to another universal waste handler, a facility that accepts hazardous waste, or a foreign country.

A universal waste handler may be:

- A person (e.g., a household or business) who generates universal waste but does not accept universal waste from others
- A person who accepts and accumulates universal waste generated by others at his or her facility
- A person who accepts universal waste generated by others and conducts certain treatment and recycling activities allowed by the universal waste handler regulations

Management Requirements for Universal Waste Handlers (Cal. Code Regs, title 22, sections 66273.30 through 66273.39; additional requirements for handlers who conduct authorized treatment, Cal. Code Regs, title 22, sections 66273.70 through .77)

- Do not dispose of universal waste or treat universal waste except as provided for in the regulations
- Notify DTSC and/or obtain an EPA identification number
- Use proper containment—non-leaking, compatible containers
- Segregate universal waste in distinct areas
- Determine if materials generated when handling/recycling are hazardous wastes
- Comply with applicable requirements for hazardous waste
- If applicable, comply with zoning requirements when storing universal wastes
- Have spill kits readily available to deal with accidental spills(mercury-containing devices)
- Use proper labeling and markings
- Accumulate universal waste no longer than one year



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19024

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05/03/2021

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Author

Sheet Title

UNIVERSAL

WASTE

MANAGEMENT

Scale

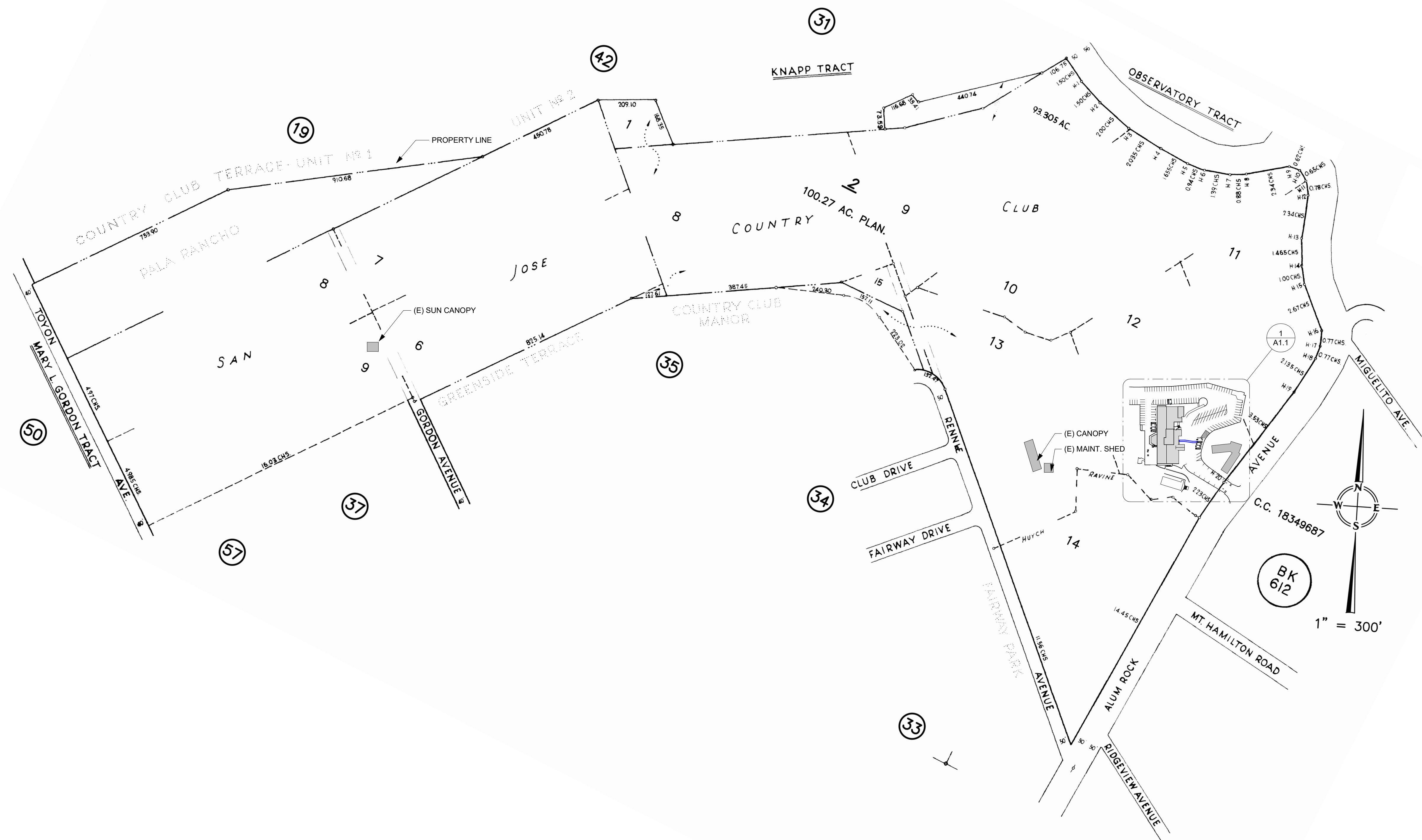
Revisions

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A0.5



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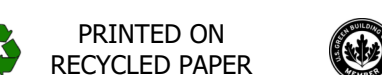
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Date	05/03/2021
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Author	
Sheet Title	OVERALL S
	PLAN

Scale
1" = 200'-0"

Revisions
05/24/21

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A1.0

A1.1



A1.2

SCALE: 1/8" = 1'-0"



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Job Number
19024
Date
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Author
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EXISTING & DEMO
MAIN FLOOR
PLAN

Scale
1/8" = 1'-0"

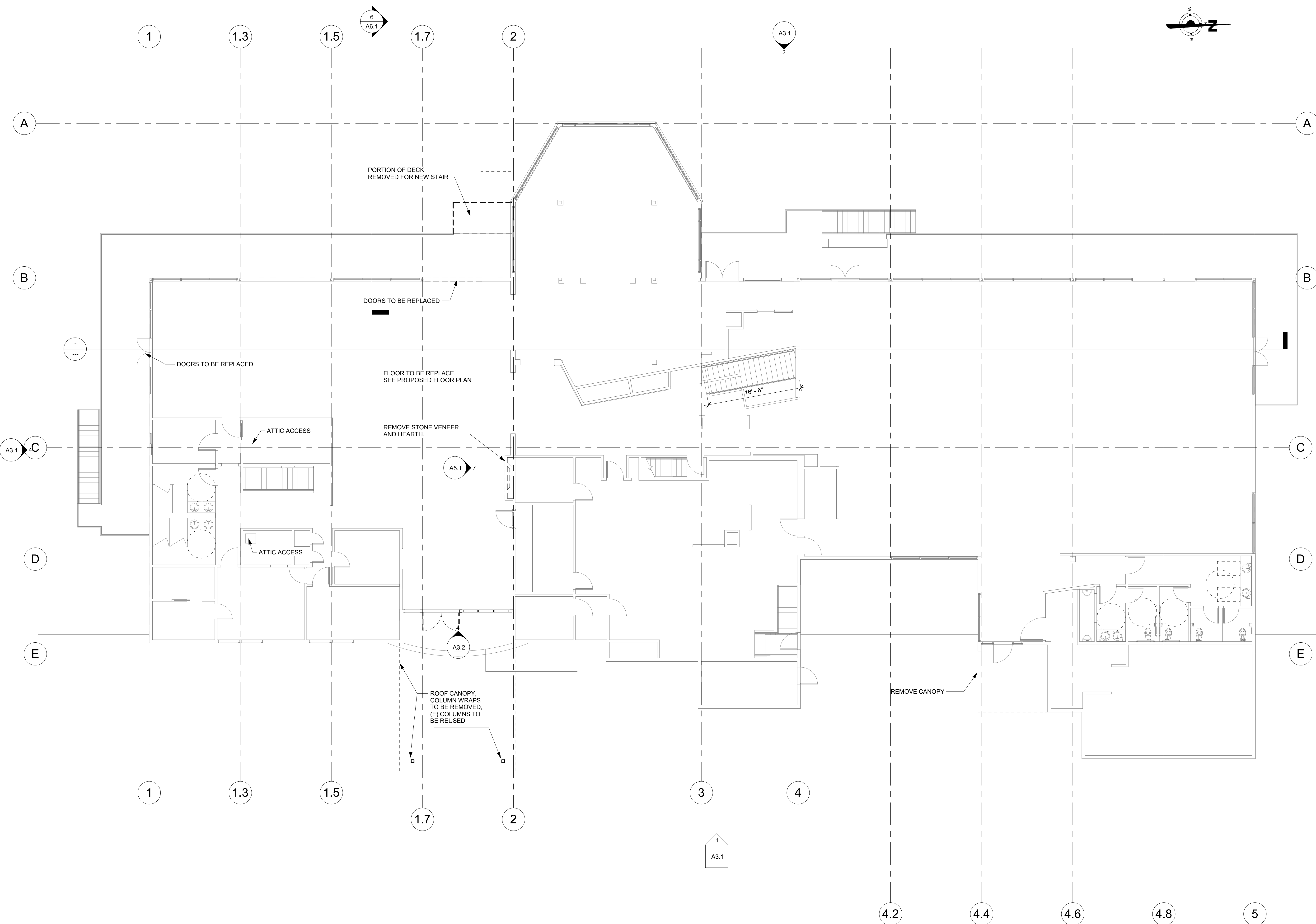
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A1.3



1 EXISTING MAIN FLOOR
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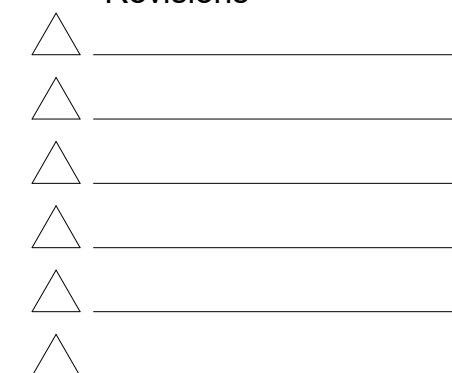
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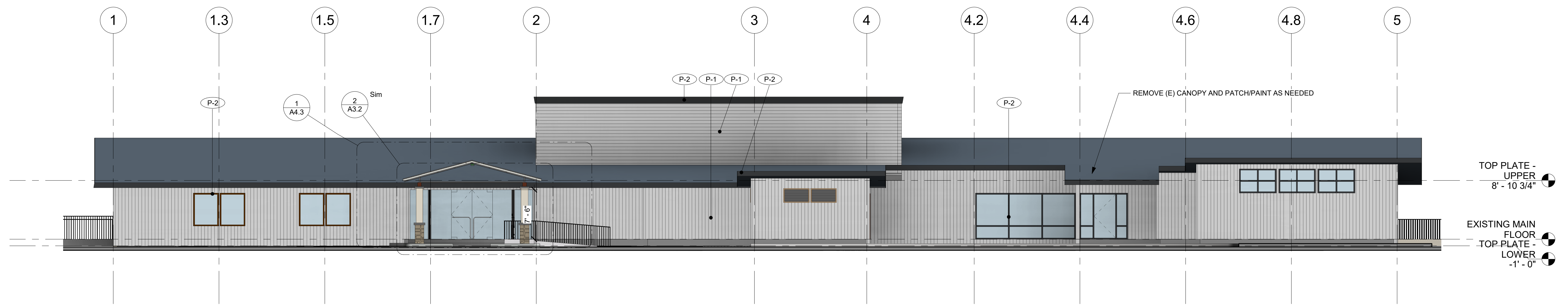
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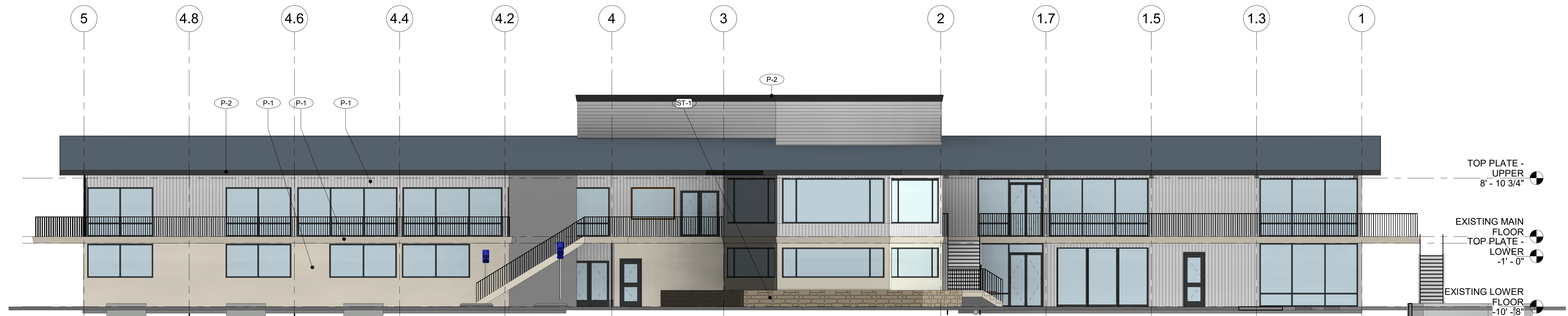
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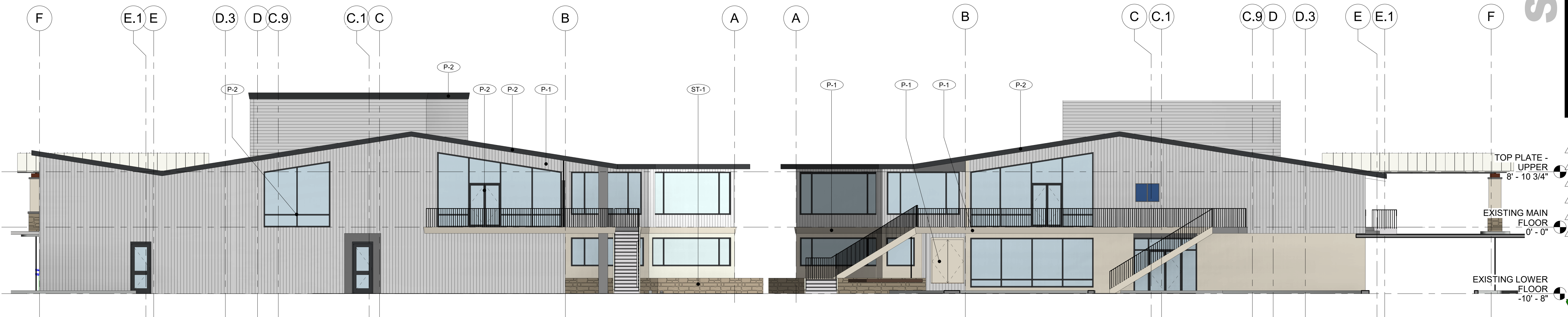




1 EAST ELEVATION
SCALE: 1/8" = 1'-0"



2 WEST ELEVATION
SCALE: 1/8" = 1'-0"



3 NORTH ELEVATION
SCALE: 1/8" = 1'-0"

4 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



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Author
Sheet Title
BUILDING ELEVATIONS

Scale
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1	TOP PLATE - UPPER 8' - 10 3/4"
2	EXISTING MAIN FLOOR 0' - 0"
3	EXISTING LOWER FLOOR -10' - 8"

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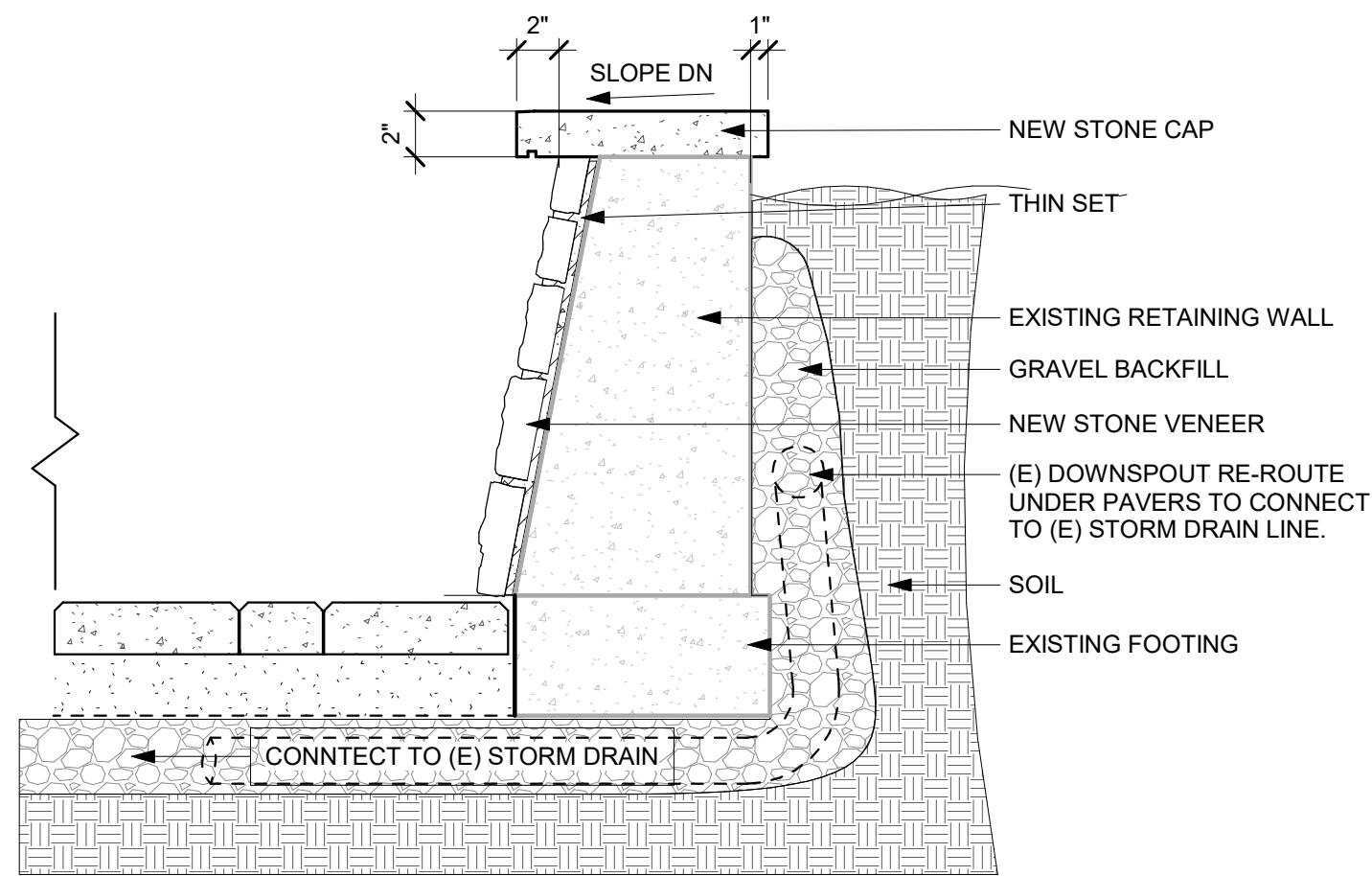
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A3.1



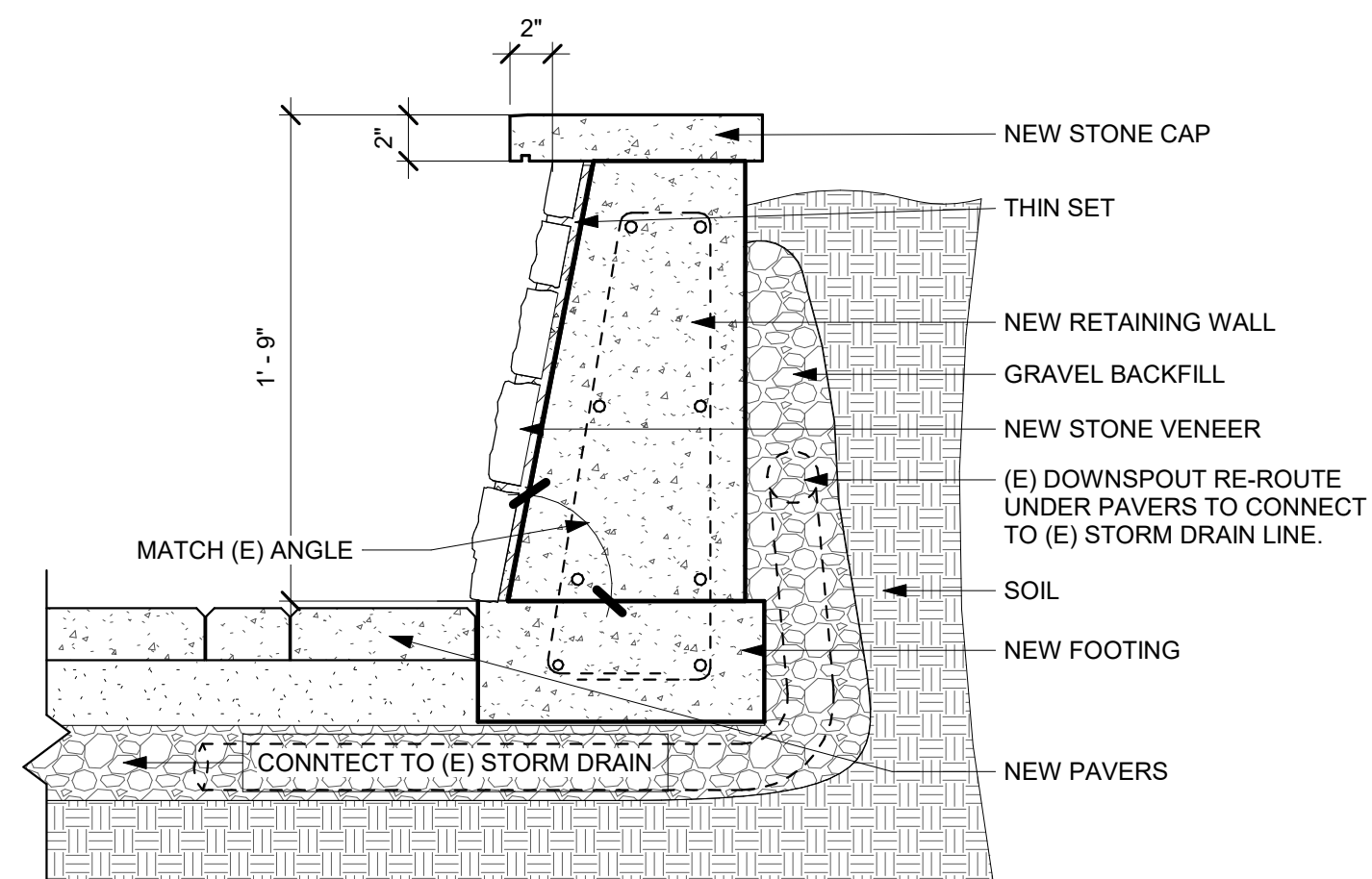
DEMO THE STONE FINISH ON MECHANICAL ROOM EXTERIOR WALL, APPLY STUCCO TO MATH THE REST

REFINISH EXISTING LANDSCAPE WALL W/ NEW STONE VENEER, SEE DETAIL 5/A4.1



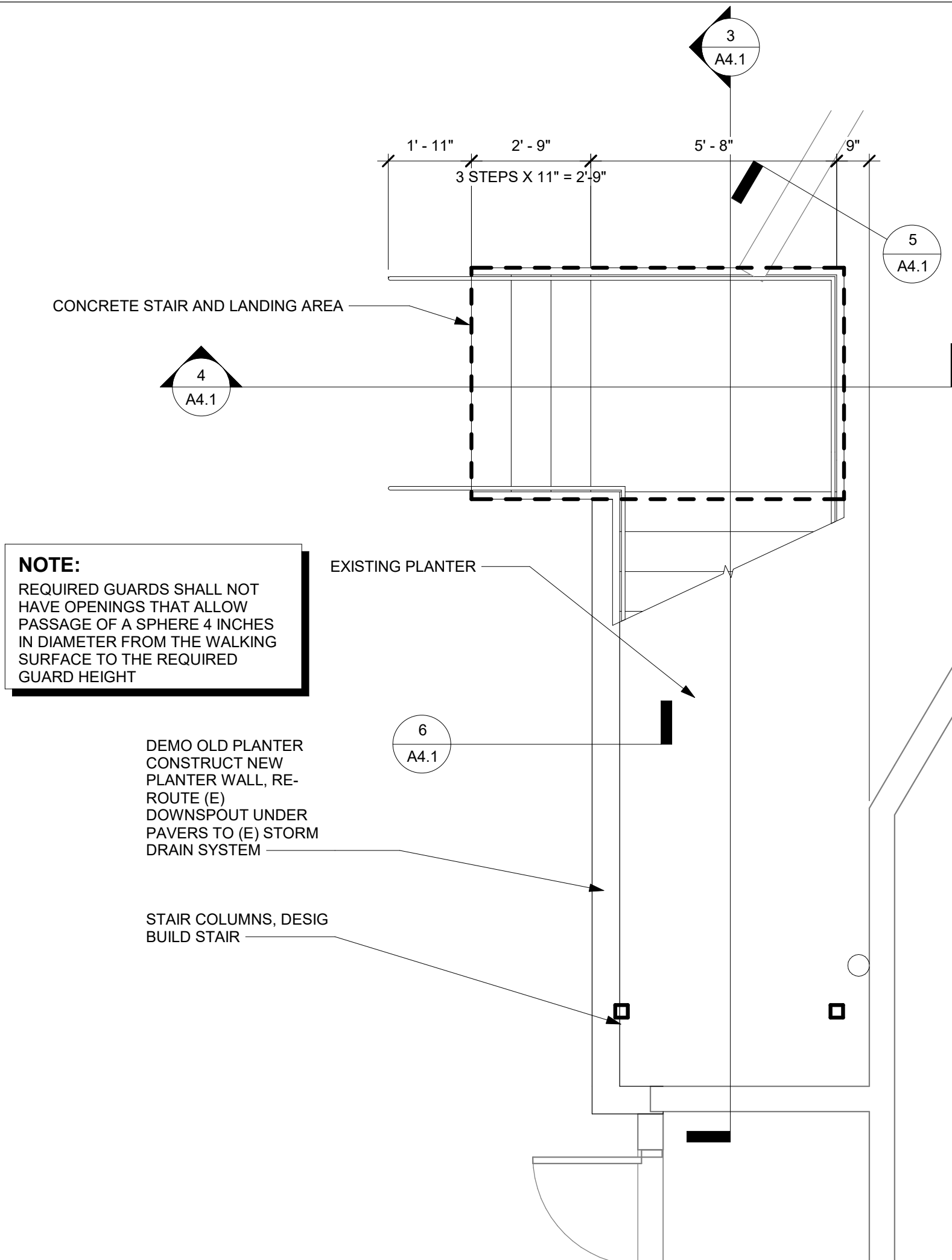
5 SITE - LANDSCAPE WALL WITH STONE VENEER (EXIST)

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



6 SITE - LANDSCAPE WALL WITH STONE VENEER (NEW)

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



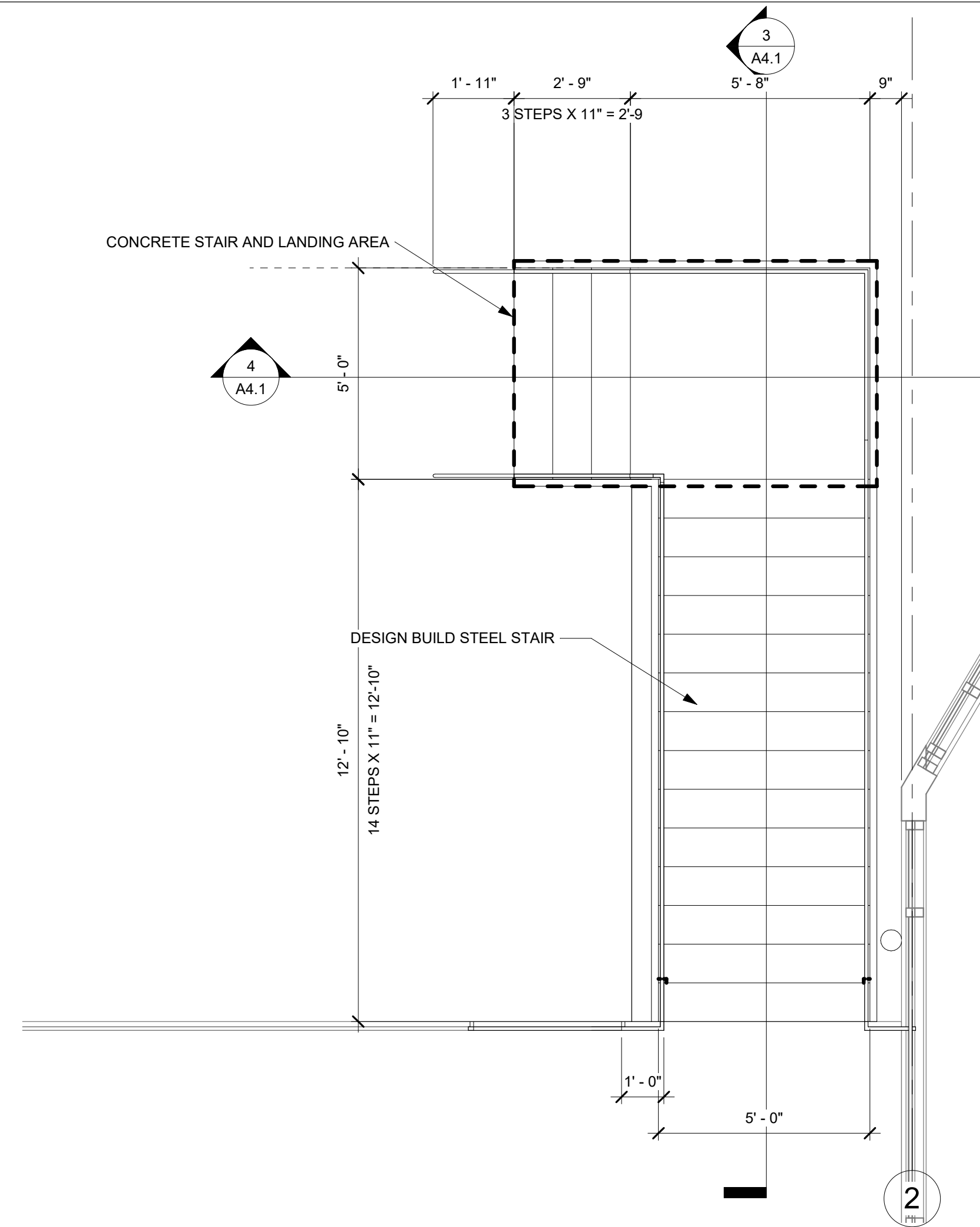
NOTE:
REQUIRED GUARDS SHALL NOT HAVE OPENINGS THAT ALLOW PASSAGE OF A SPHERE 4 INCHES IN DIAMETER FROM THE WALKING SURFACE TO THE REQUIRED GUARD HEIGHT

DEMO OLD PLANTER
CONSTRUCT NEW
PLANTER WALL, RE-
ROUTE (E)
DOWNSPOUT UNDER
PAVERS TO (E) STORM
DRAIN SYSTEM

STAIR COLUMNS, DESIG
BUILD STAIR

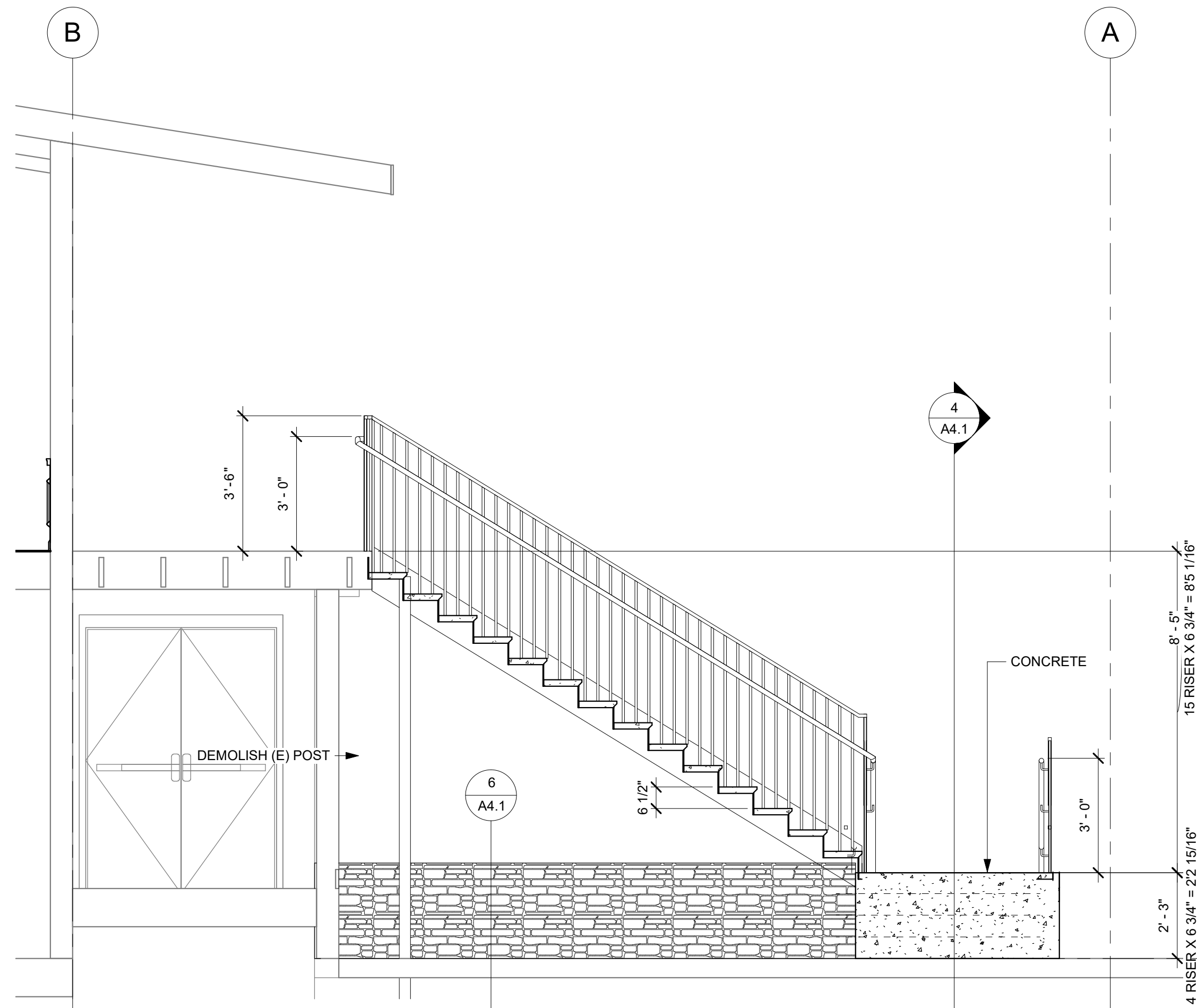
2 PROPOSED LOWER FLOOR - Callout 1

SCALE: 3/8" = 1'-0"



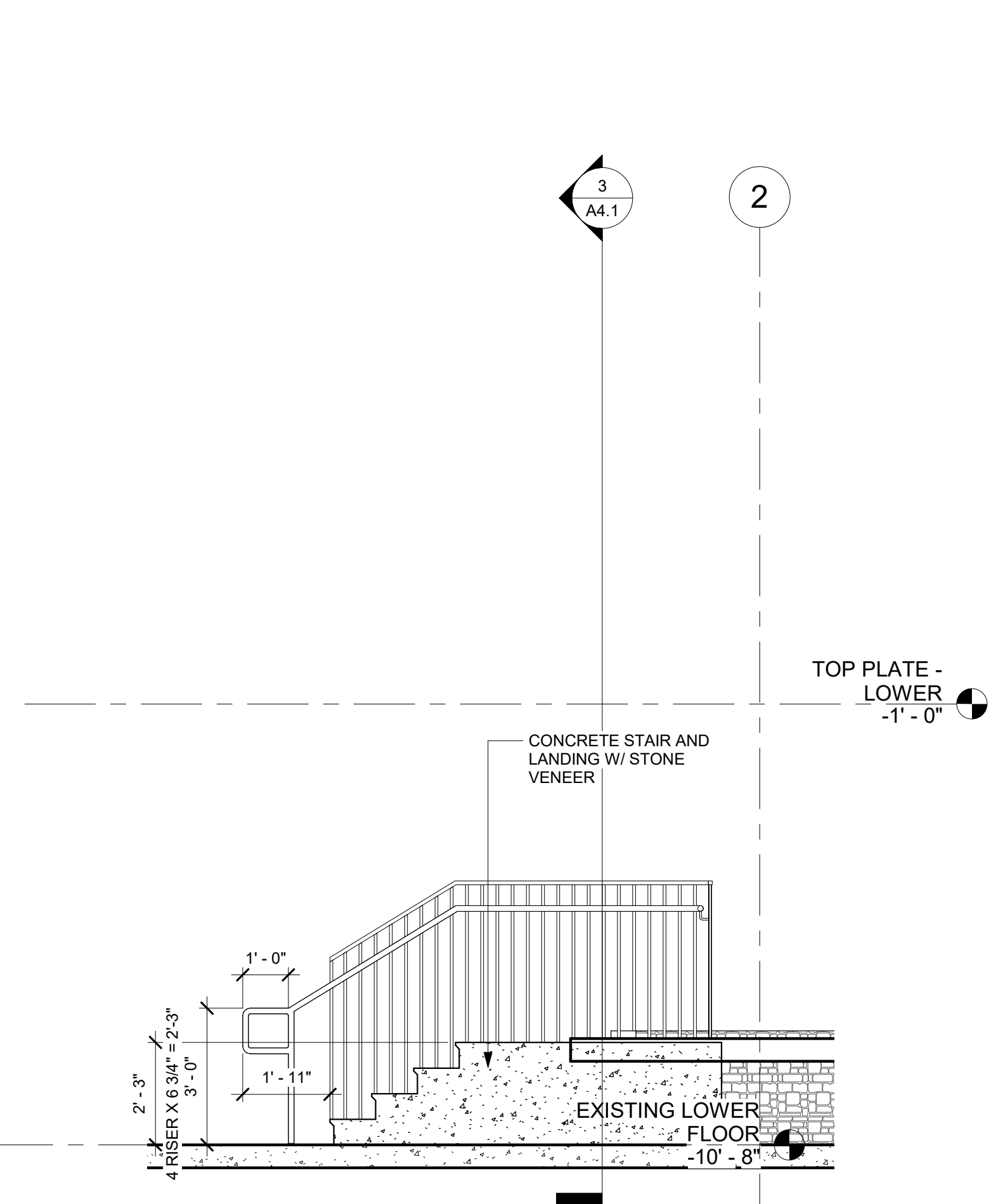
1 PROPOSED MAIN FLOOR - Callout 1

SCALE: 3/8" = 1'-0"



3 PATIO STAIR SECTION - E/W

SCALE: 3/8" = 1'-0"



4 PATION STAIR SECTION - N/S

SCALE: 3/8" = 1'-0"

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ENLARGE PLAN
-STAIR

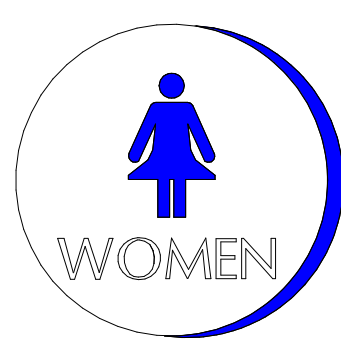
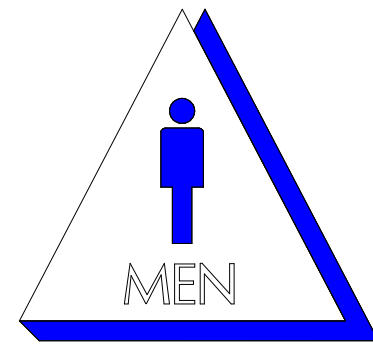
Scale
As indicated

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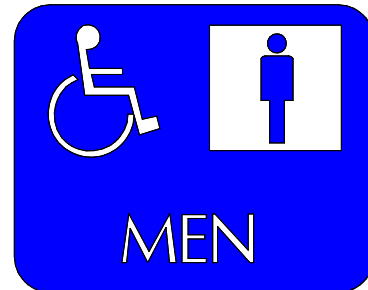
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A4.1



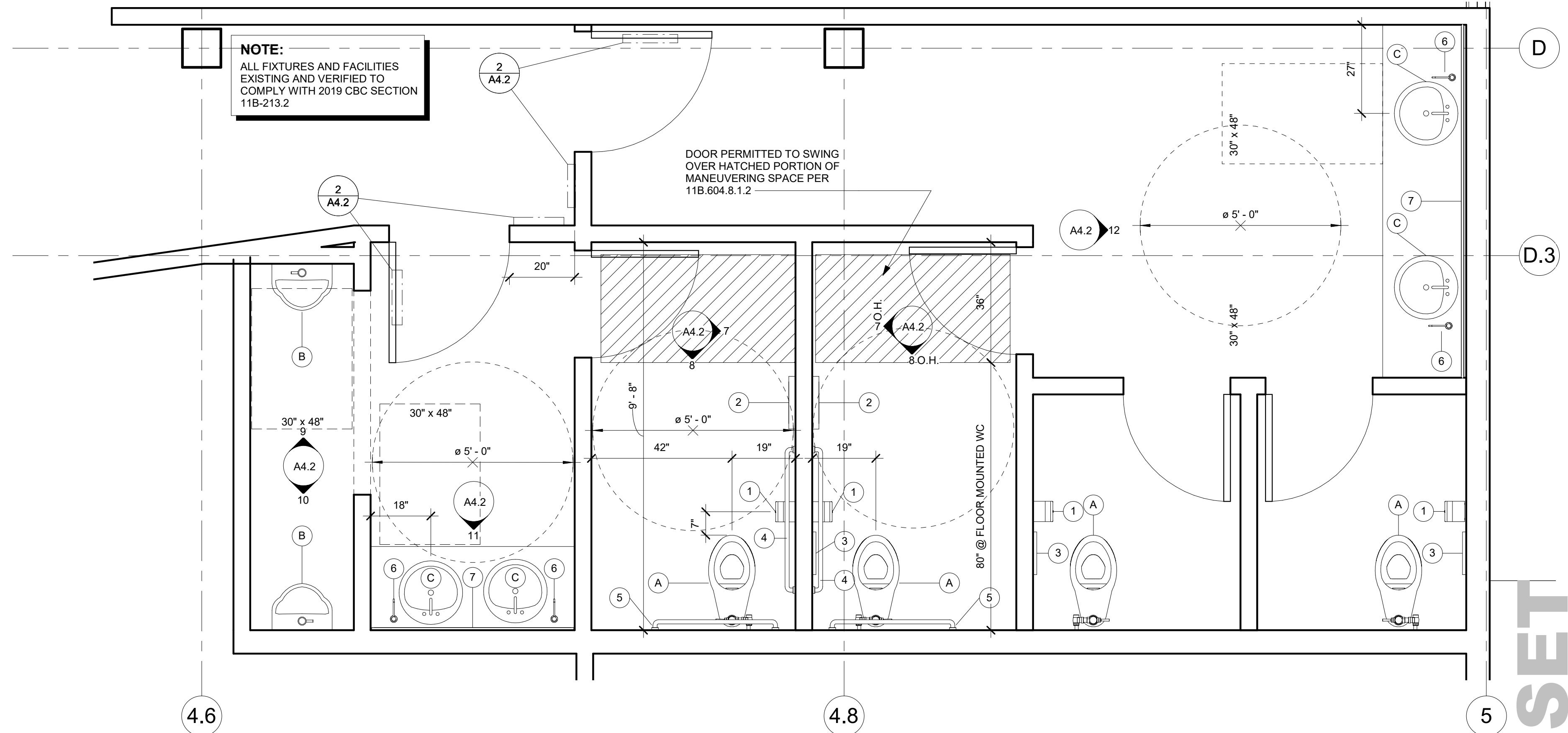
PLASTIC LAMINATE SECURED TO CENTER OF DOOR FACE +60" A.F.F. (WOMEN SYMBOL 1/4" THICK, 12" DIAM. (MEN & ALL-GENDER SYMBOL 1/4" THICK, TRIANGLE 12" SIDES) COLOR SHALL BE DISTINCTLY DIFFERENT IN CONTRAST FROM THE DOOR COLOR.

NOTE: EDGE OF ALL RAISED SIGNAGE SHALL BE ROUNDED, CHAMFERED, OR EASED. CORNERS OF SIGNS SHALL HAVE A MINIMUM RADIUS OF 1/8" PER CBC 11B-703.2.6.4



PROVIDE ADDITIONAL BRAILE SIGNAGE AT TOILET ROOMS COMPLYING WITH SECTION 4.30 OF THE A.D.A. MOUNT 48" A.F.F. TO LOWEST LINE, AND 60" TO BASE OF THE HIGHEST LINE. SIGN SHALL BE PLACED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR.

ALL-GENDER SIGNAGE TECHNICAL REQUIREMENTS FOR RAISED CHARACTERS SHALL COMPLY WITH CBC 11B-703.2, 11B-703.3, 11B-703.4, AND 11B-703.5

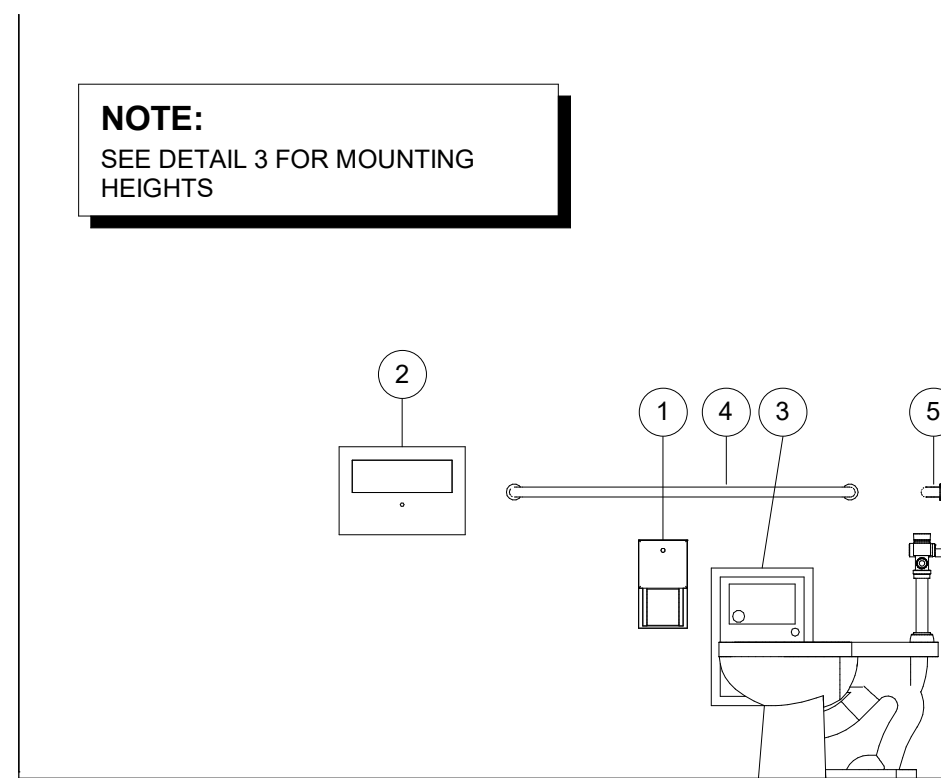


NOTE: ALL FIXTURES AND FACILITIES EXISTING AND VERIFIED TO COMPLY WITH 2019 CBC SECTION 11B-213.2

DOOR PERMITTED TO SWING OVER HATCHED PORTION OF MANEUVERING SPACE PER 11B.604.8.1.2

2 HC - RESTROOM DOOR SYMBOLS

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



NOTE: SEE DETAIL 3 FOR MOUNTING HEIGHTS

1 ENLARGED PLAN - TOILET CORE

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

7 ACCESSIBLE STALL - A

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

8 ACCESS. STALL - B

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

9 MEN - A

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

10 MEN - B

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

11 MEN - LAVATORY

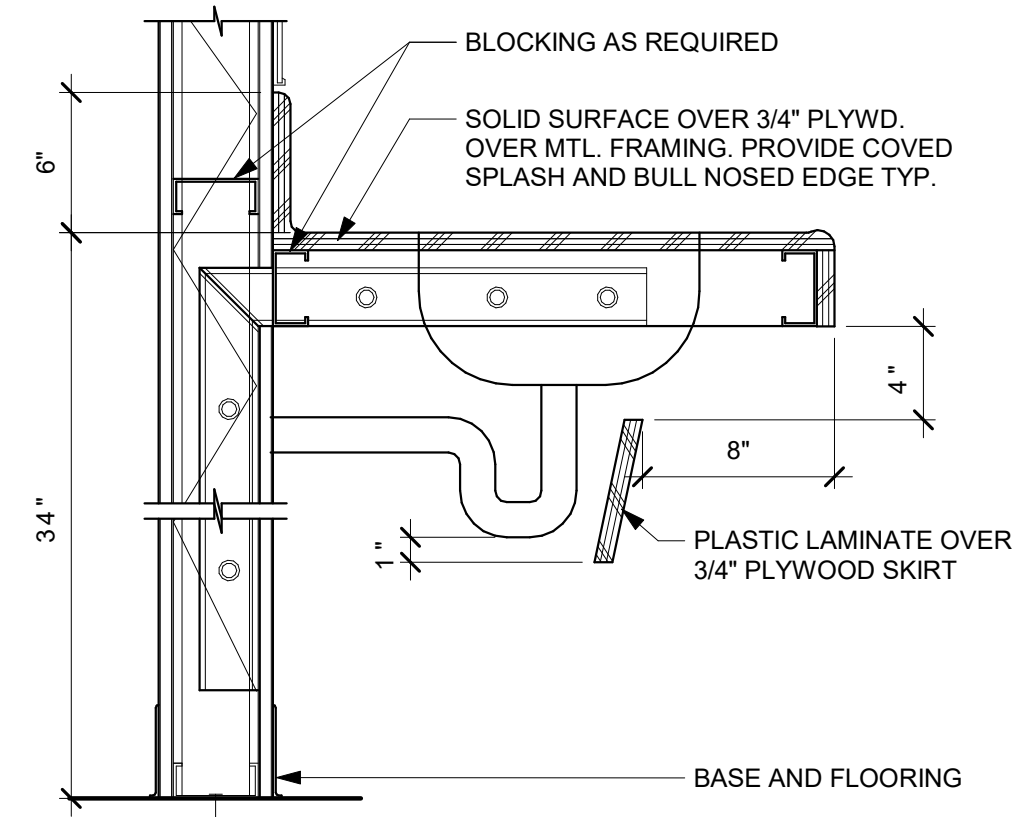
SCALE: 1/2" = 1'-0"

12 WOMEN - LAVATORY

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

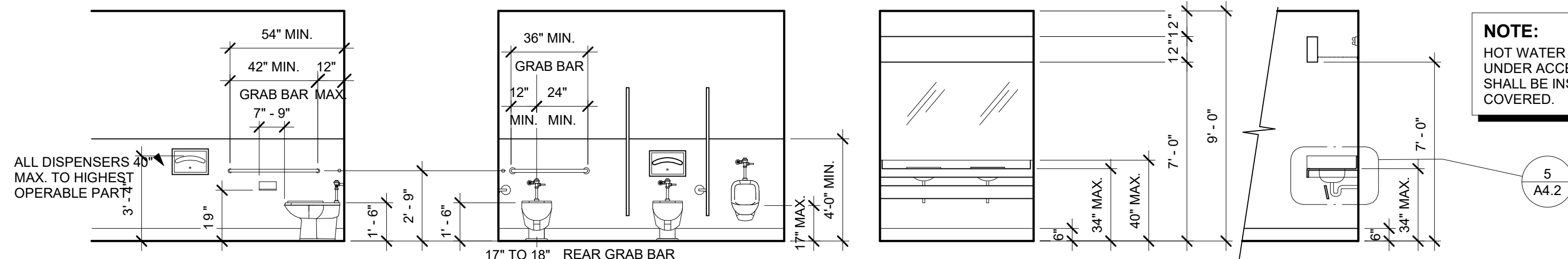
5 TOILET - LAVATORY COUNTER

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



3 TOILET - TYPICAL MOUNTING HEIGHTS

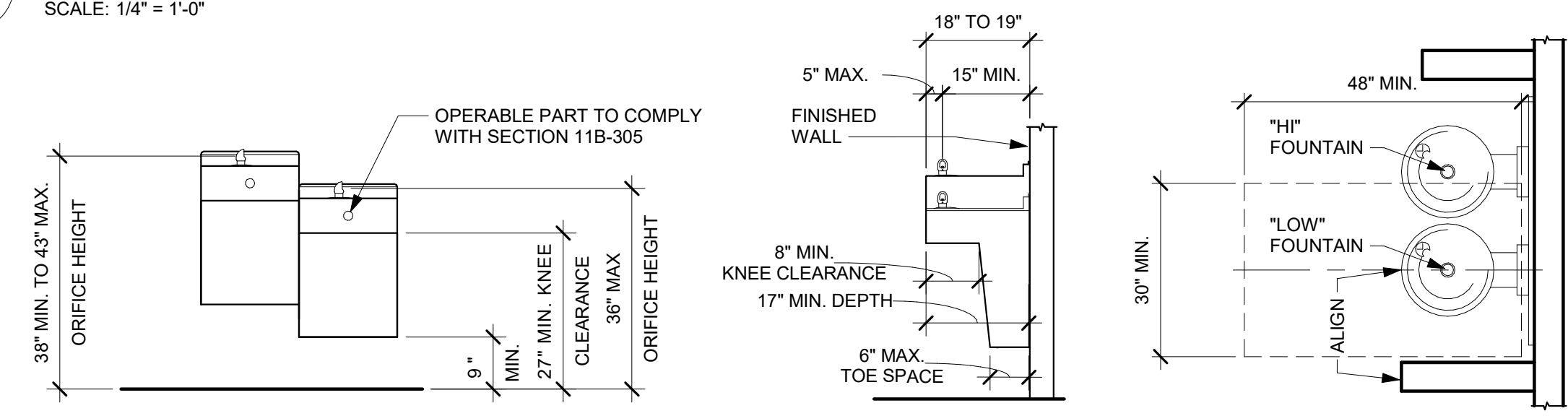
SCALE: 1/4" = 1'-0"



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

4 TOILET - TYPICAL DRINKING FOUNTAIN DETAIL

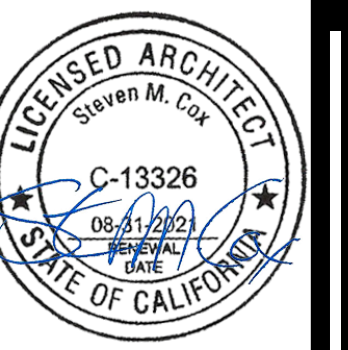
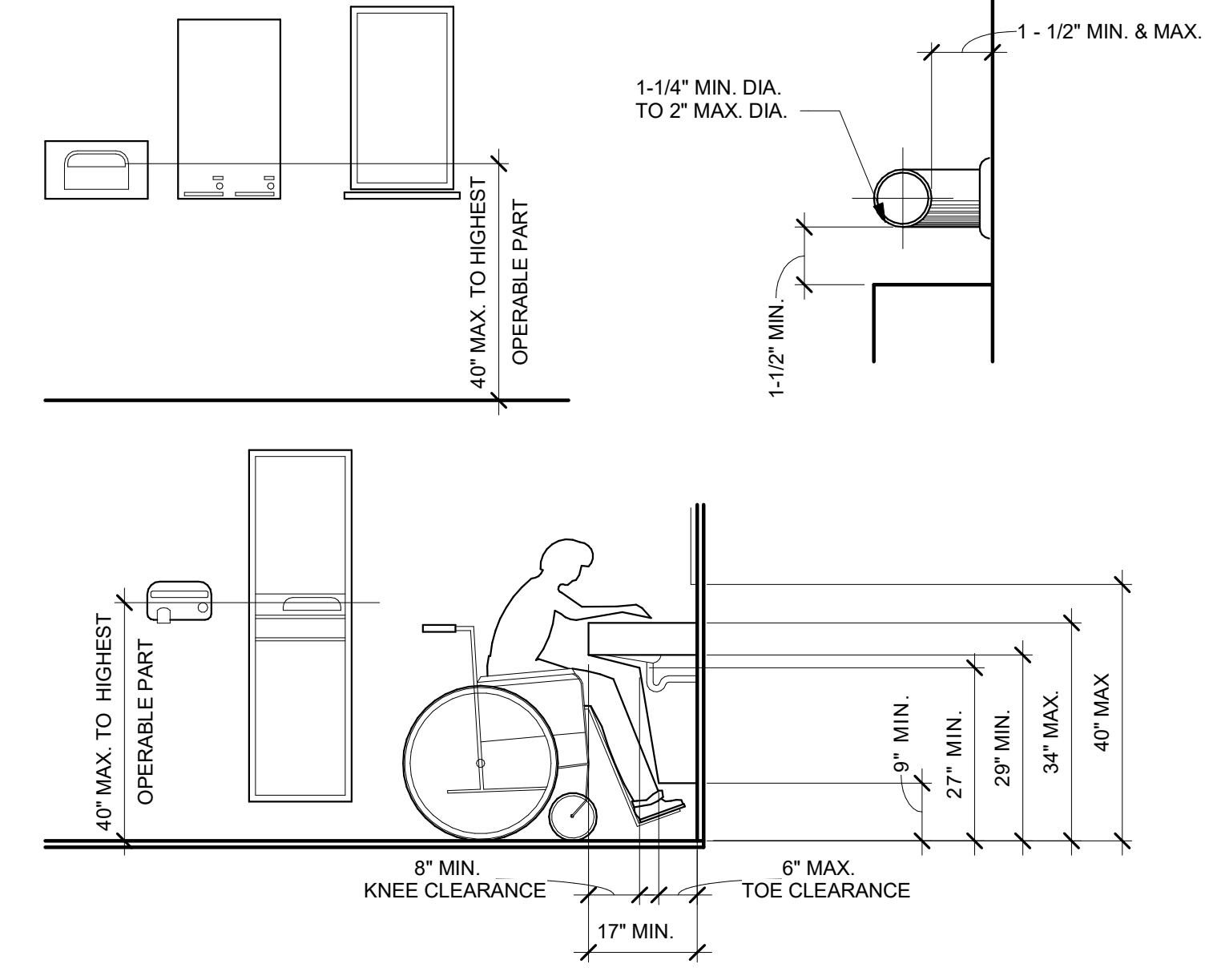
SCALE: 1/2" = 1'-0"



NOTES:
AT ALCOVES DEEPER THAN 24" ADDITIONAL 6" MANEUVERING CLEARANCE IS REQUIRED. SEE CBC 11B-305.7.1
AT "HI-LOW" TYPE OF FOUNTAINS, CENTER THE 30" x 48" CLEAR FLOOR SPACE ON THE "LOW" FOUNTAIN FIXTURE.
PER CBC 11B-602.6 THE SPOUT SHALL PROVIDE A FLOW OF WATER 4" HIGH MIN.

6 HC - OPERABLE MOUNTING HEIGHTS

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



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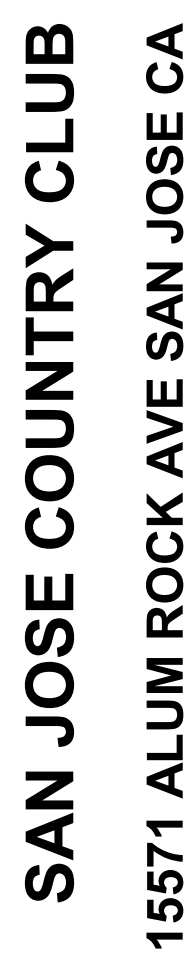
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ENLARGED PLAN - TOILET
Scale
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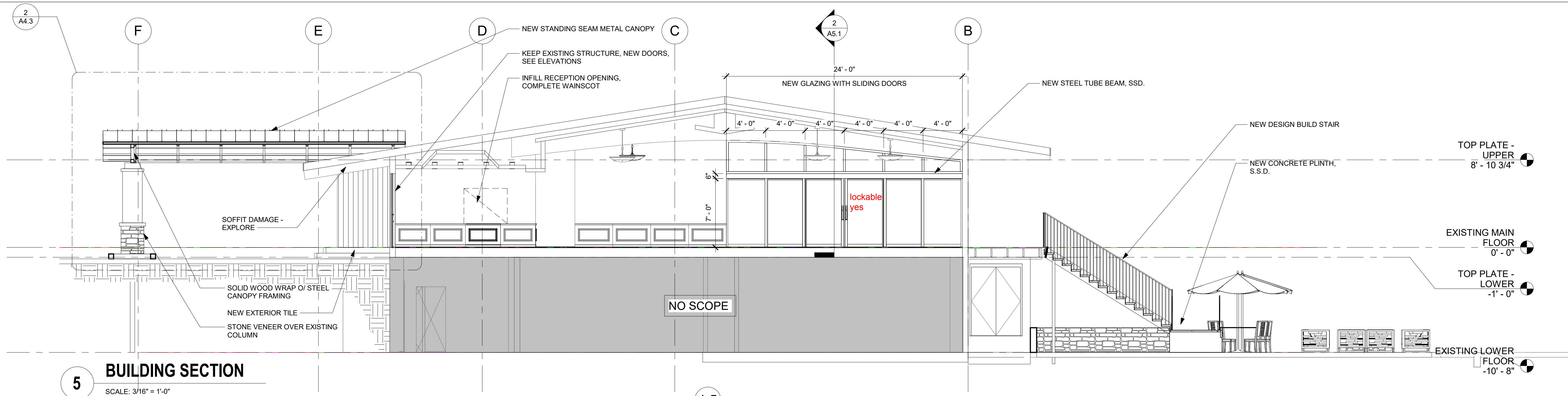
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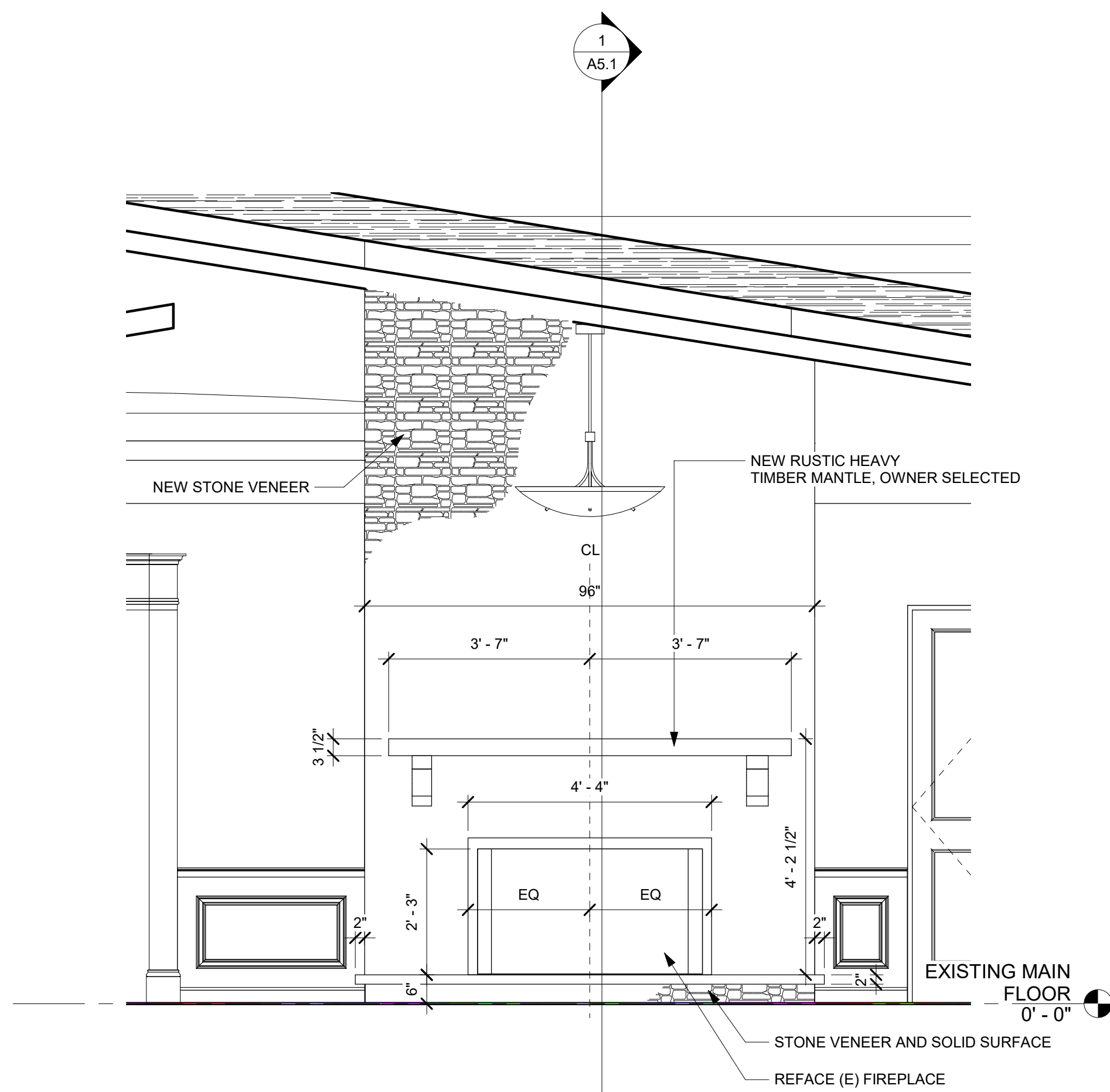
A4.3





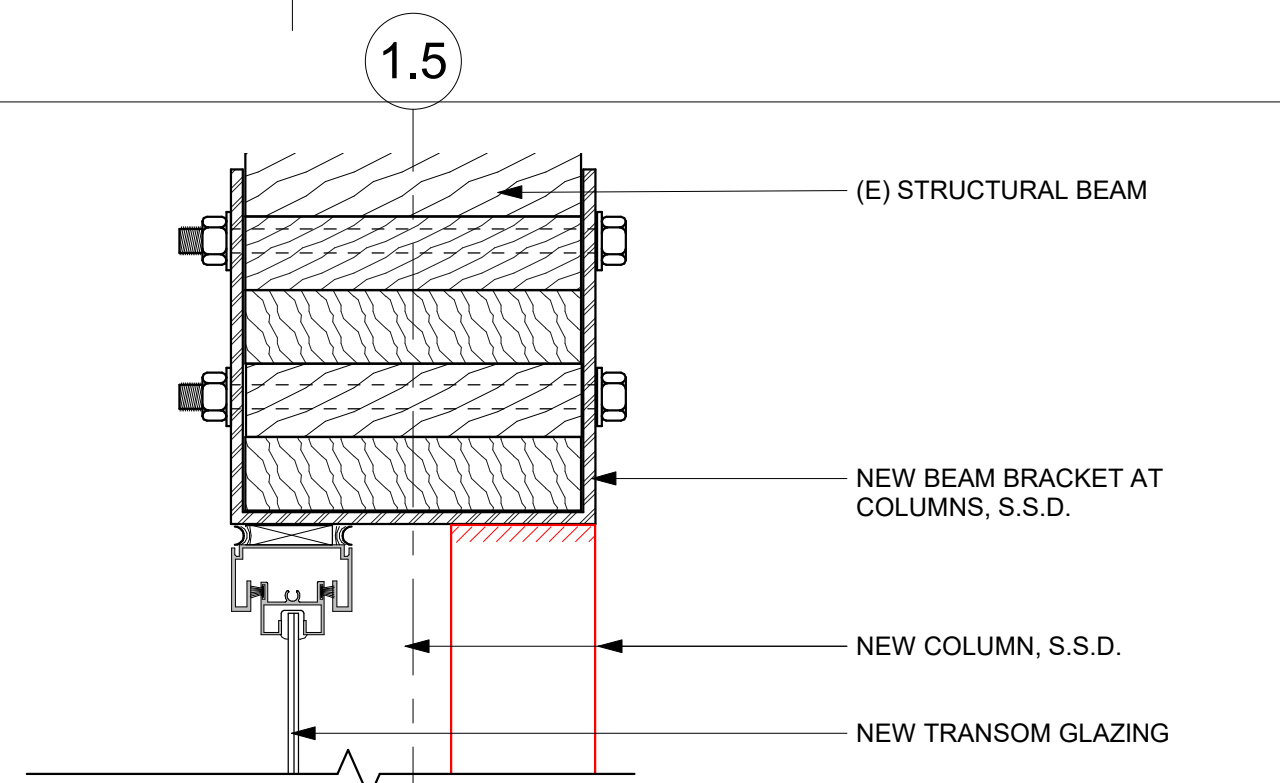
BUILDING SECTION

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



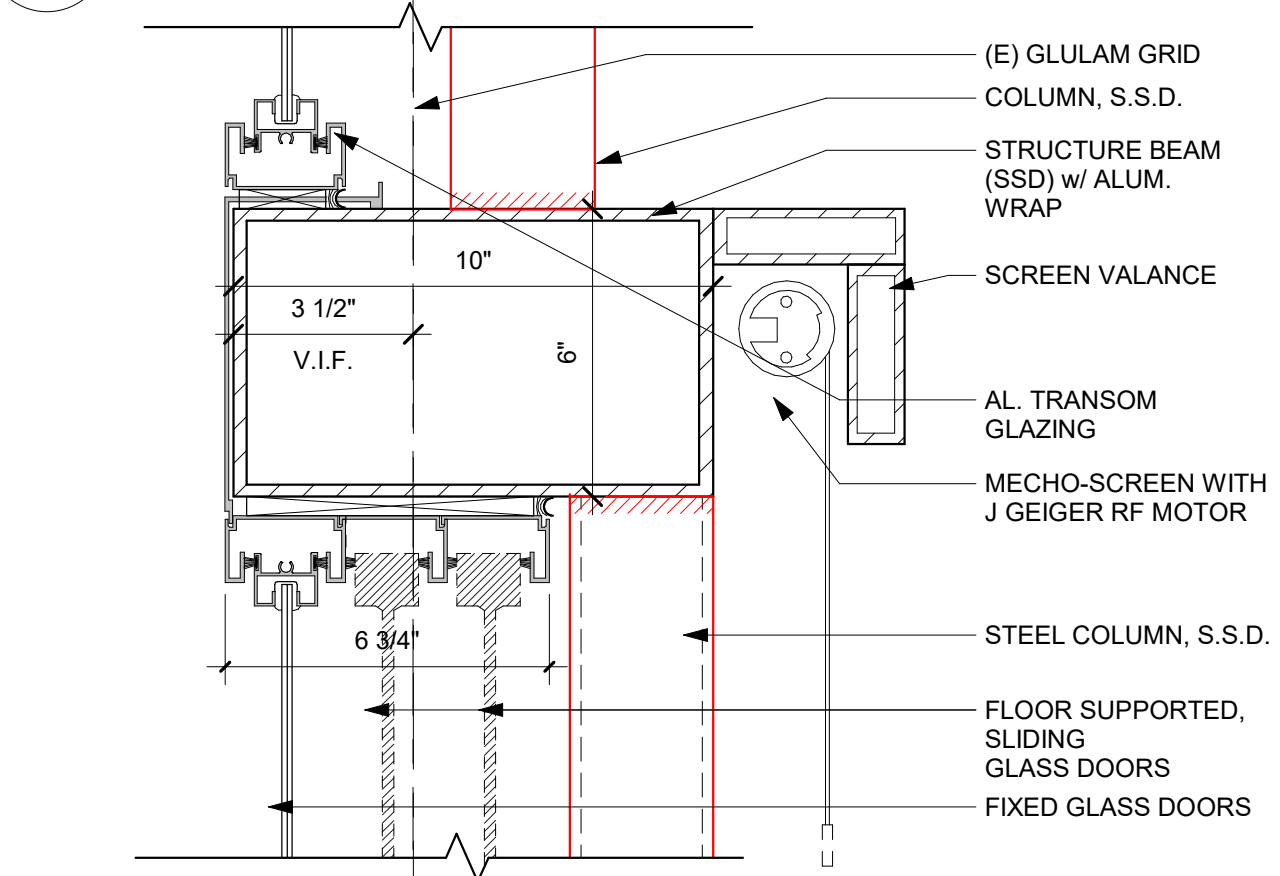
FIREPLACE ELEVATION

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



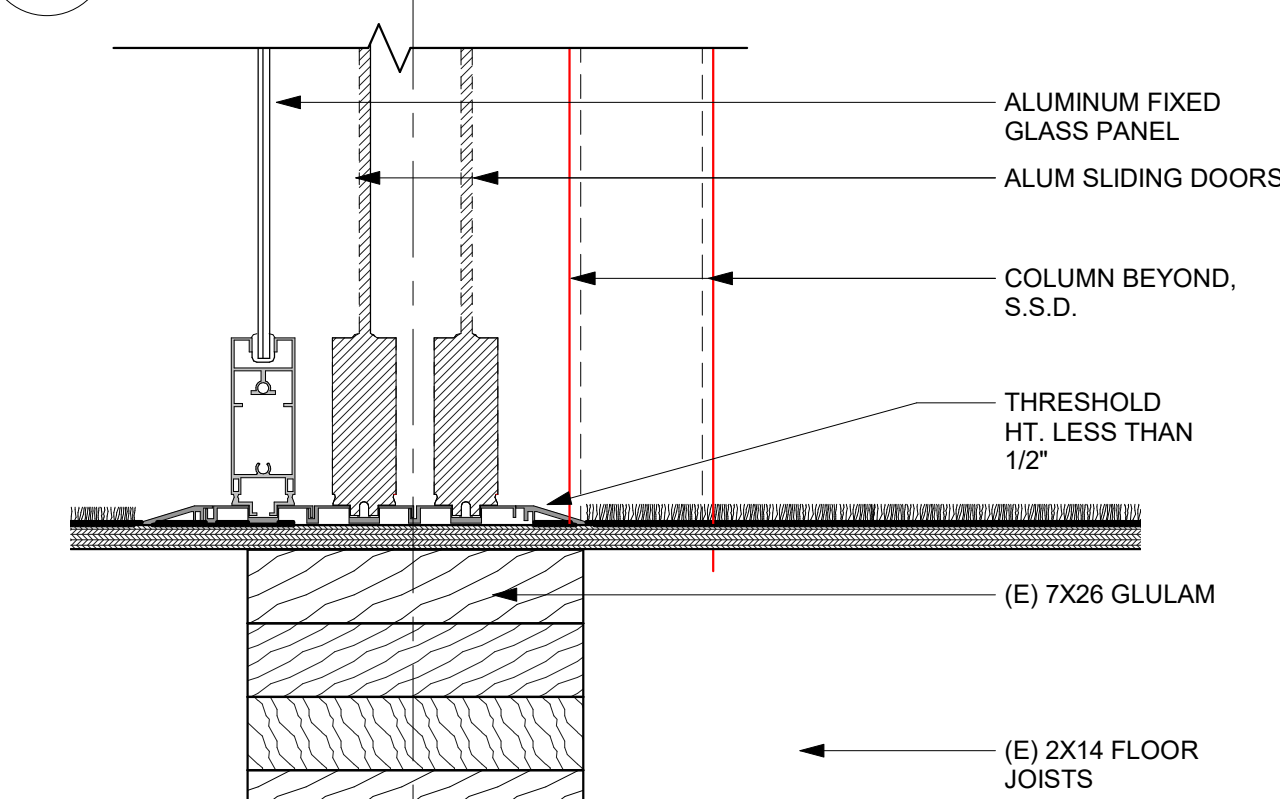
DETAIL - WINDOW HEAD

SCALE: 3" = 1'-0"



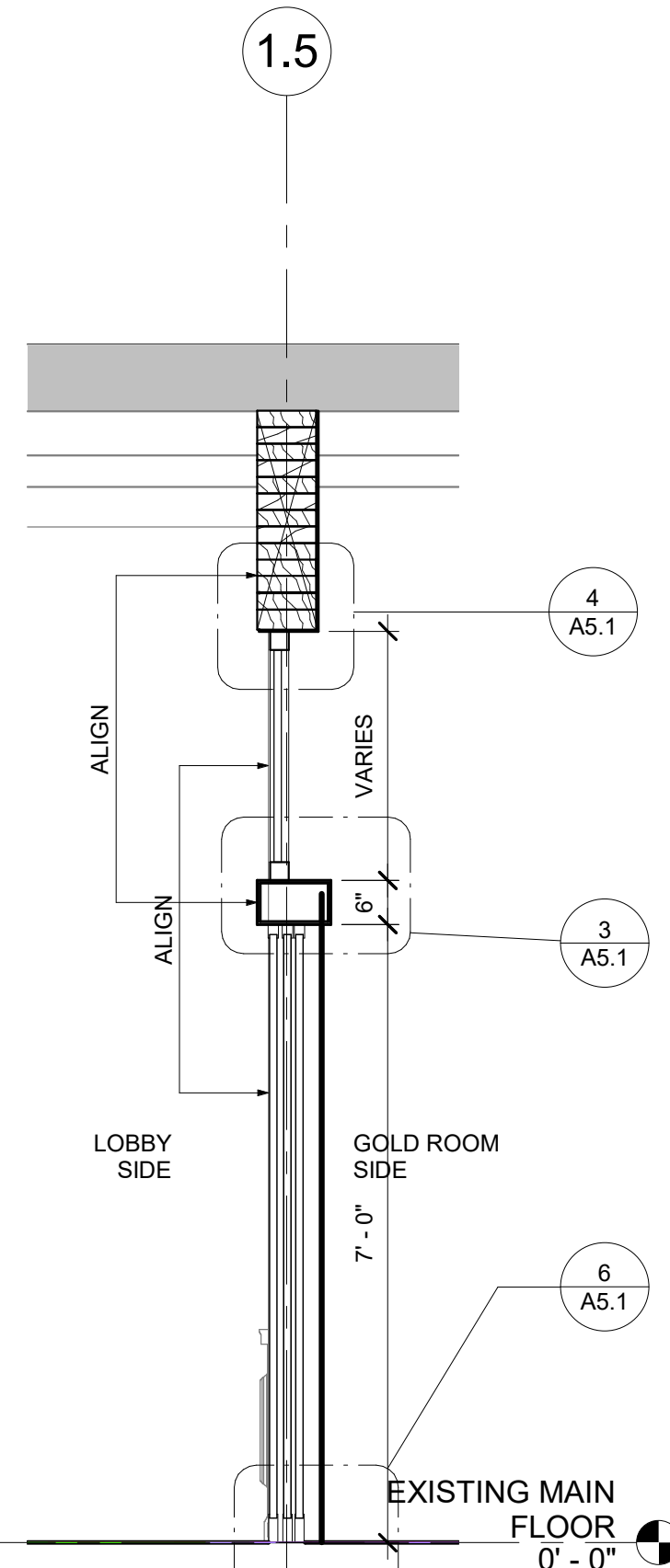
DETAIL - WINDOW MID

SCALE: 3" = 1'-0"



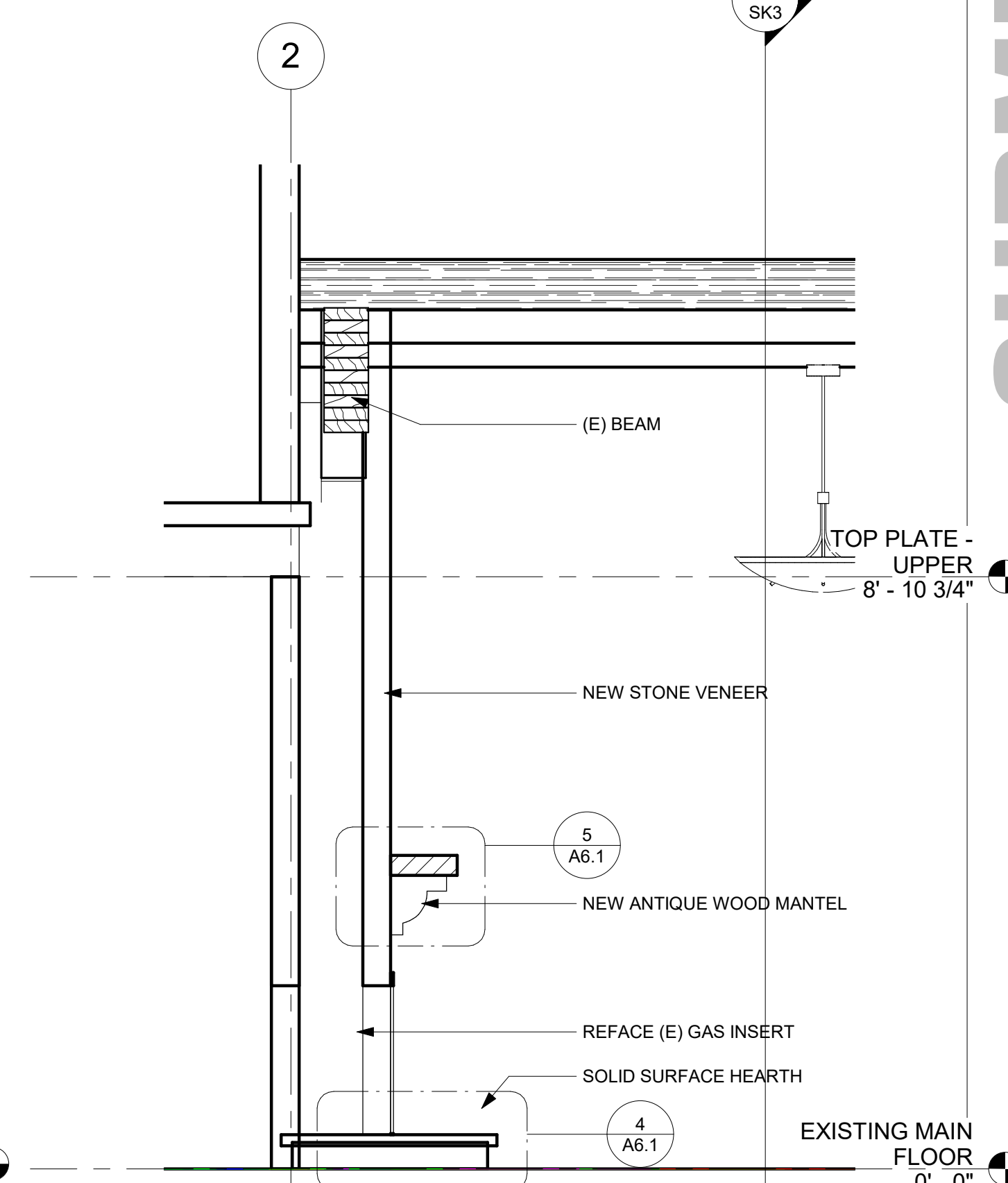
SECTION - THRESHOLD

SCALE: 3" = 1'-0"



SECTION - GLAZED WALL

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



SECTION - FIREPLACE

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

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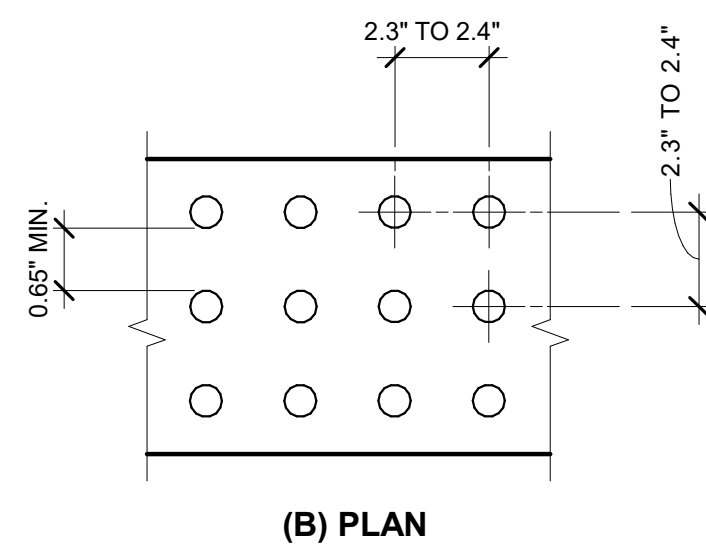
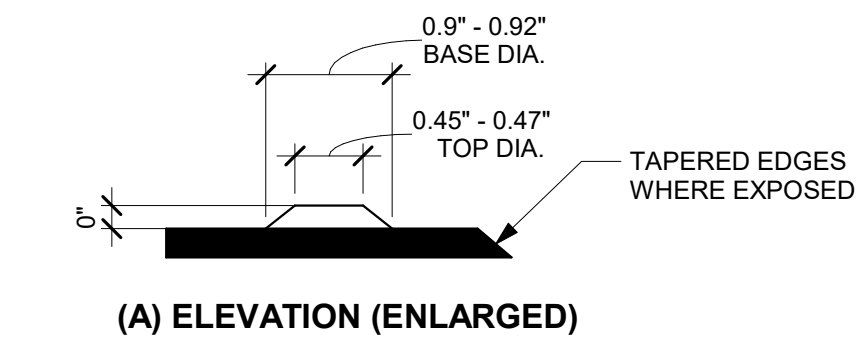
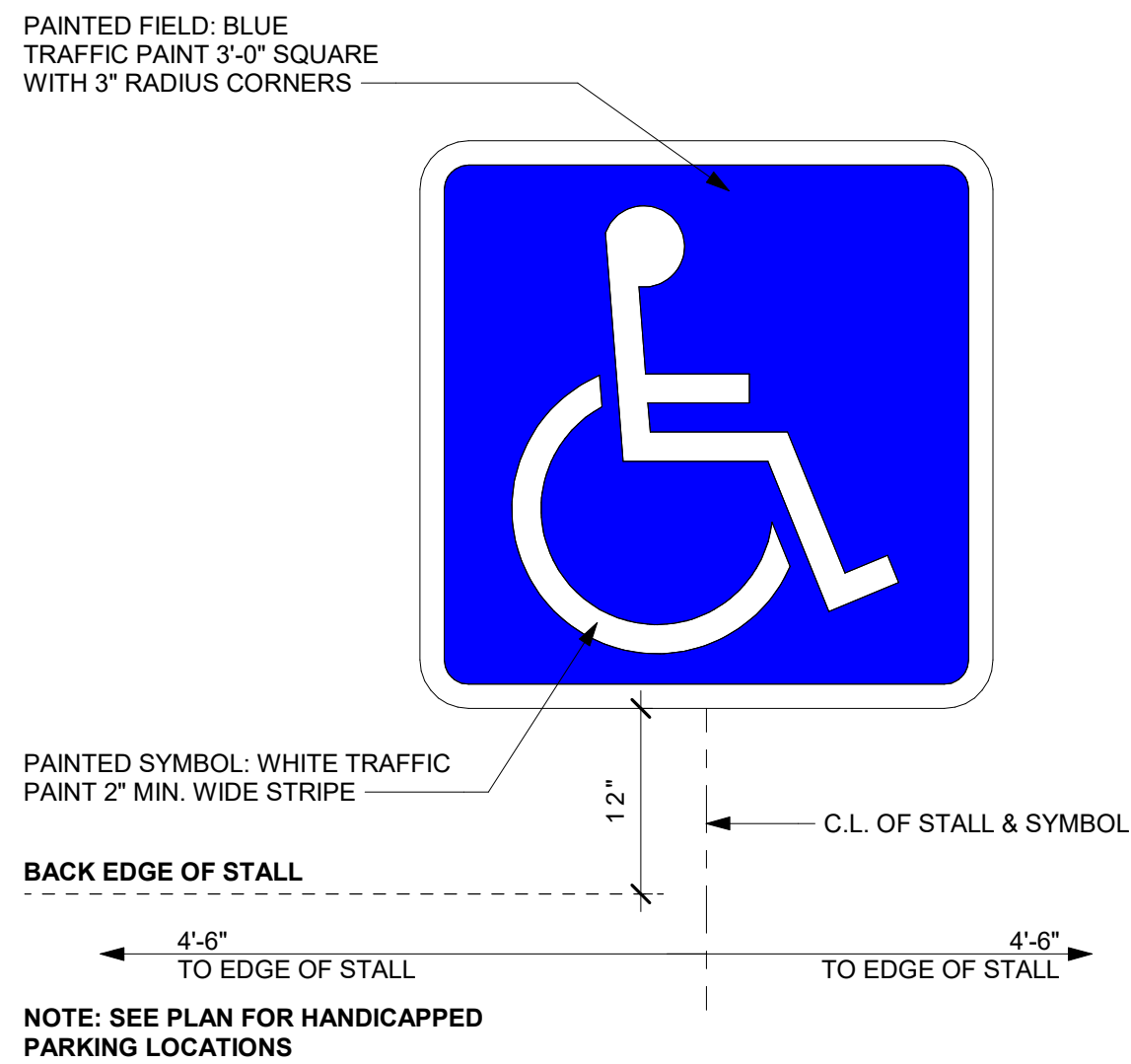


FIGURE 11B-706.1
SIZE AND SPACING OF TRUNCATED DOMES

TRUNCATED DOMES SHALL COMPLY WITH 2019 CBC SECTION 11B-705.1.1

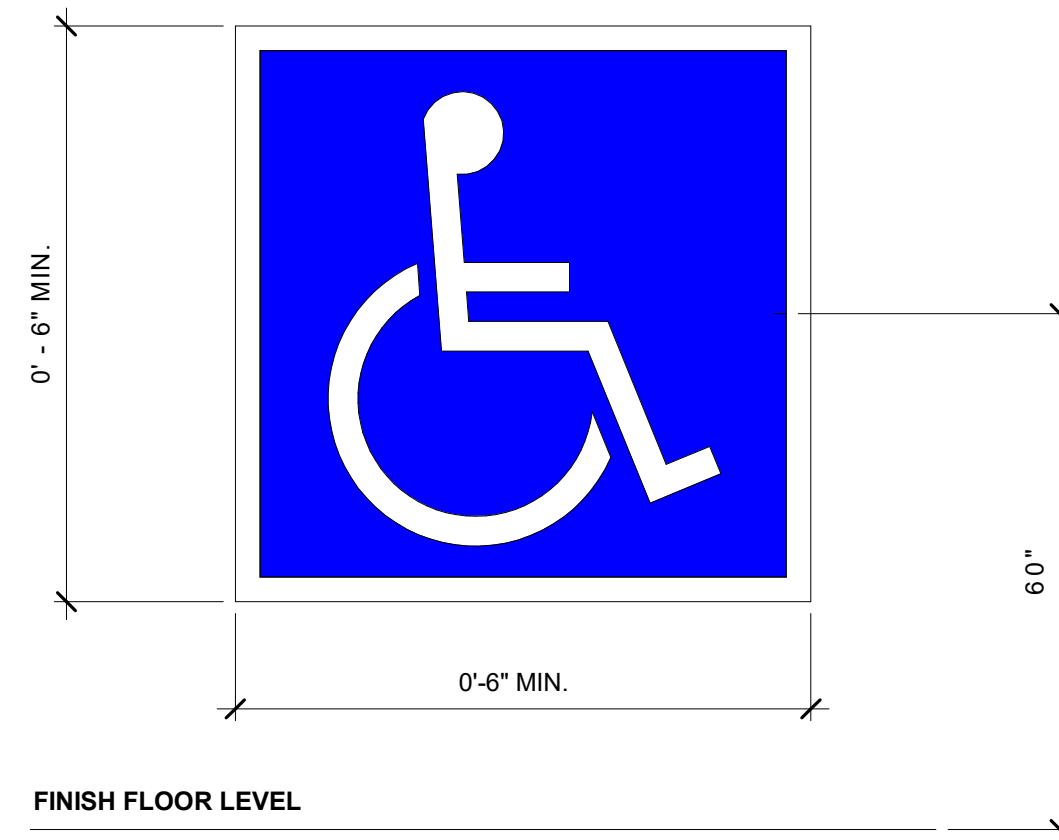
SITE - TRUNCATED DOMES

SCALE: 6" = 1'-0"



HC - INTERNATIONAL SYMBOL OF ACCESSIBILITY - PARKING

SCALE: 6" = 1'-0"

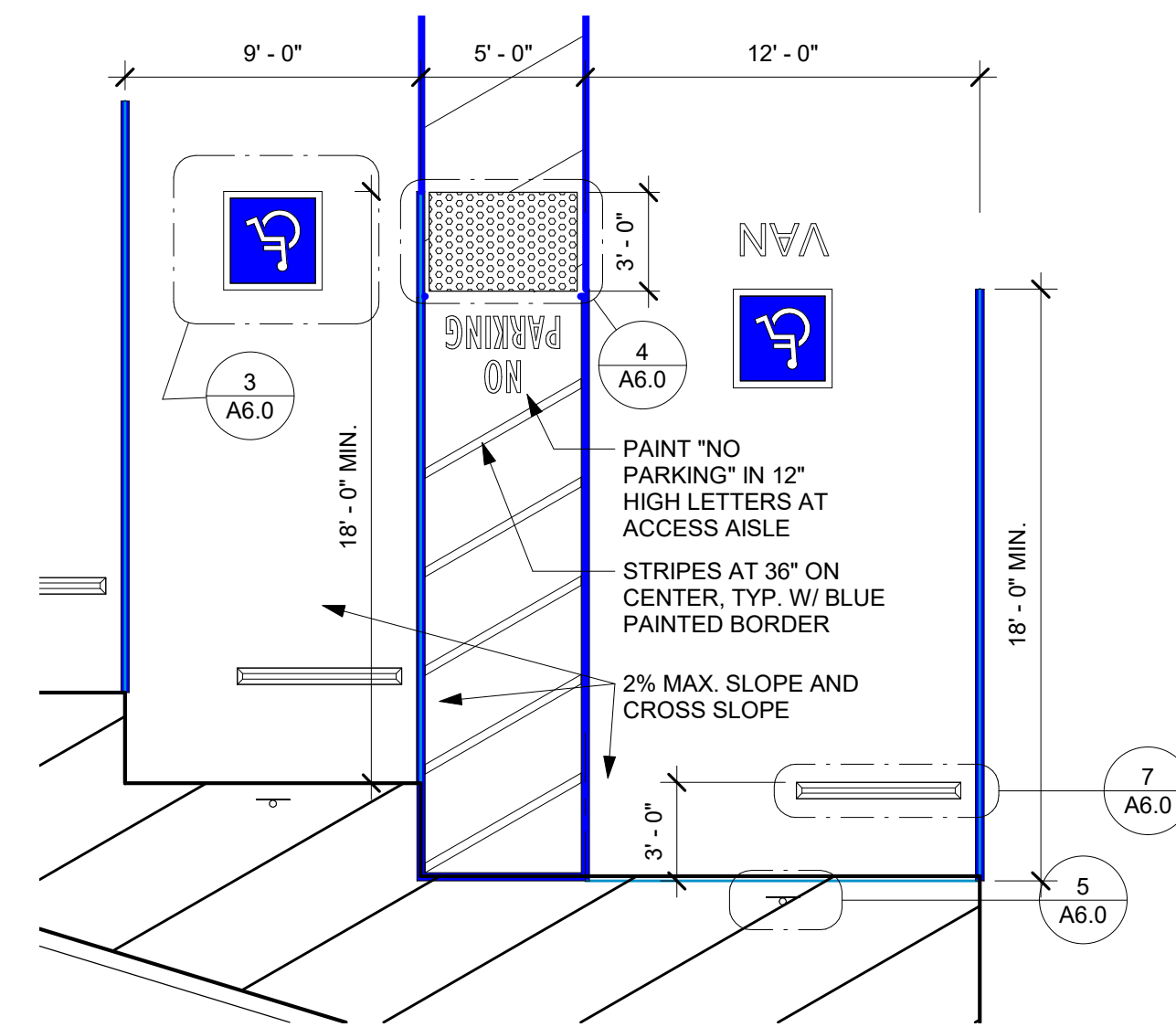


NOTES:
SEE SITE PLANS FOR INTERNATIONAL ACCESSIBILITY SYMBOL LOCATIONS.

BLUE COLOR TO BE COLOR NO. 15090
PER FEDERAL STANDARD 595B.

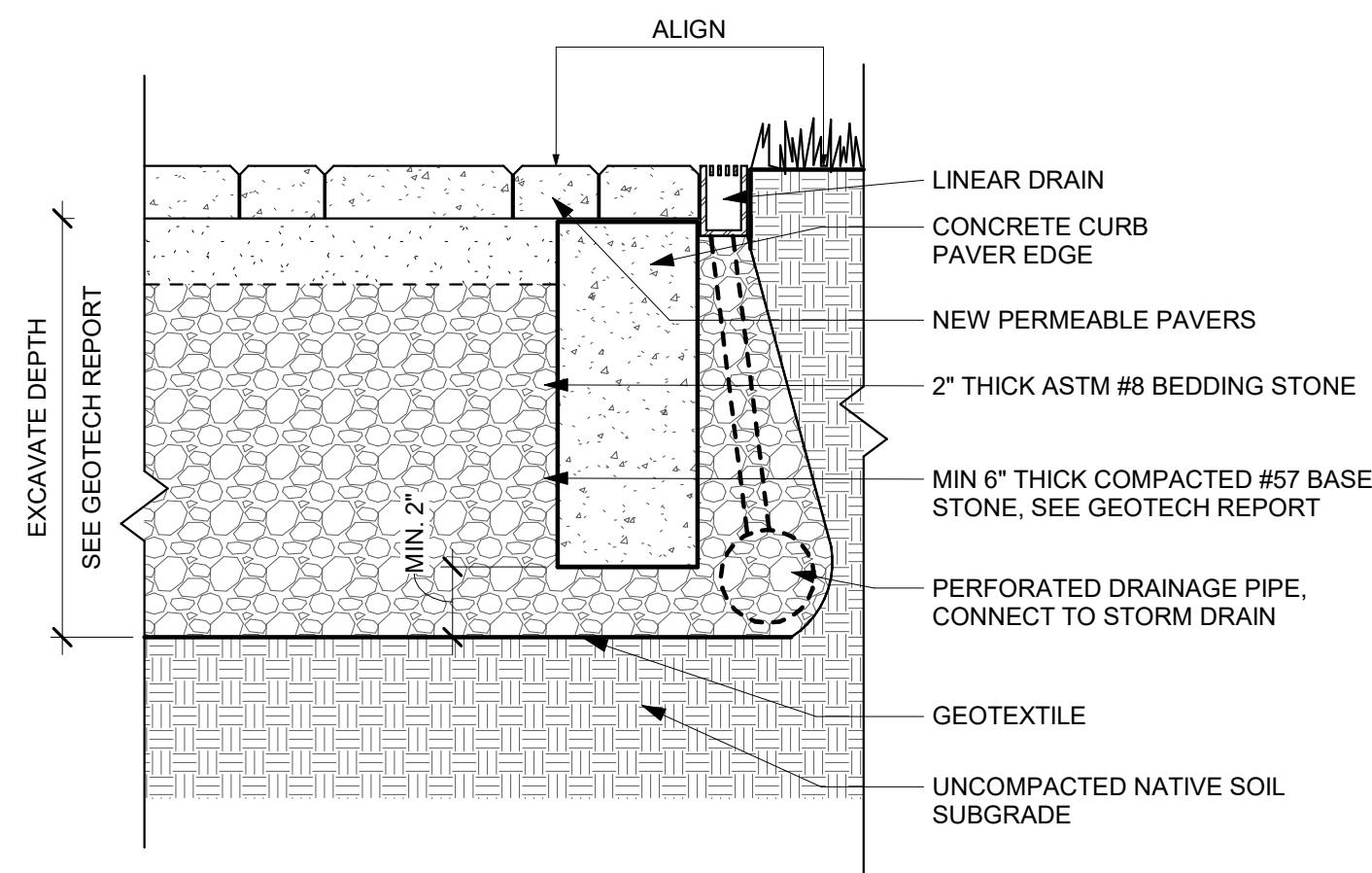
HC - INTERNATIONAL SYMBOL OF ACCESSIBILITY

SCALE: 6" = 1'-0"



TYP. ACCESSIBLE PARKING STALL

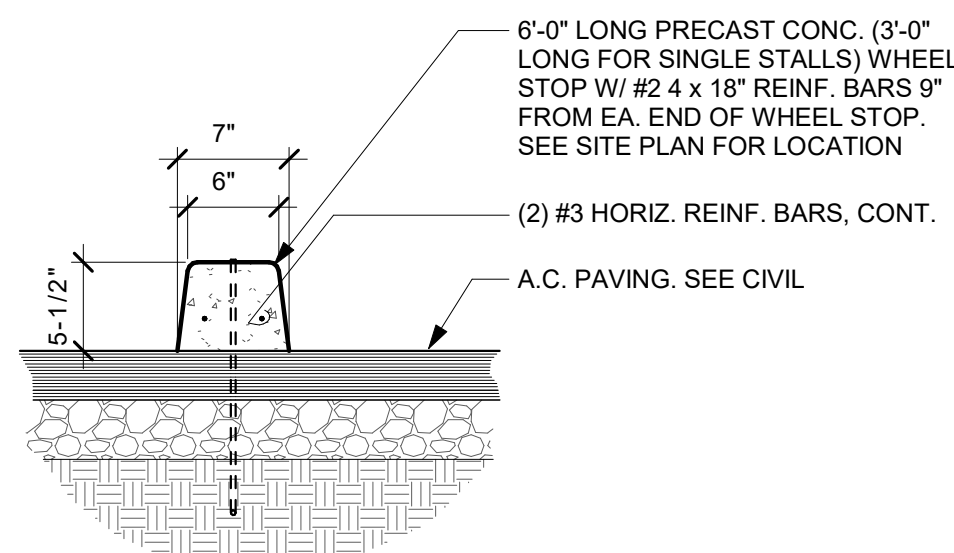
SCALE: 3/16" = 1'-0"



- NOTES:
1. PEDESTRIAN USE ONLY
 2. DESIGN, MATERIAL AND CONSTRUCTION GUIDELINES TO FOLLOW ICPI GUIDE SPECIFICATIONS
 3. PAVER SURFACES SLOPE: MAX 1%
 4. SOIL SUBGRADE MAX SLOPE: 1/2%
 5. THICKER BASE AND/OR DRAIN PIPES MAY BE REQUIRED IF PATIO RECEIVES RUNOFF FROM ADJACENT IMPERVIOUS SURFACES OR ROOFS
 6. CAST-IN-PLACE CONCRETE CURBS CAN BE WITHOUT PAVERS ON TOP, IN SUCH CASES, CURBS SHOULD BE LEVEL WITH CONCRETE PAVER FIELD

SITE - PAVER DETAIL

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



SITE - CONCRETE WHEEL STOP

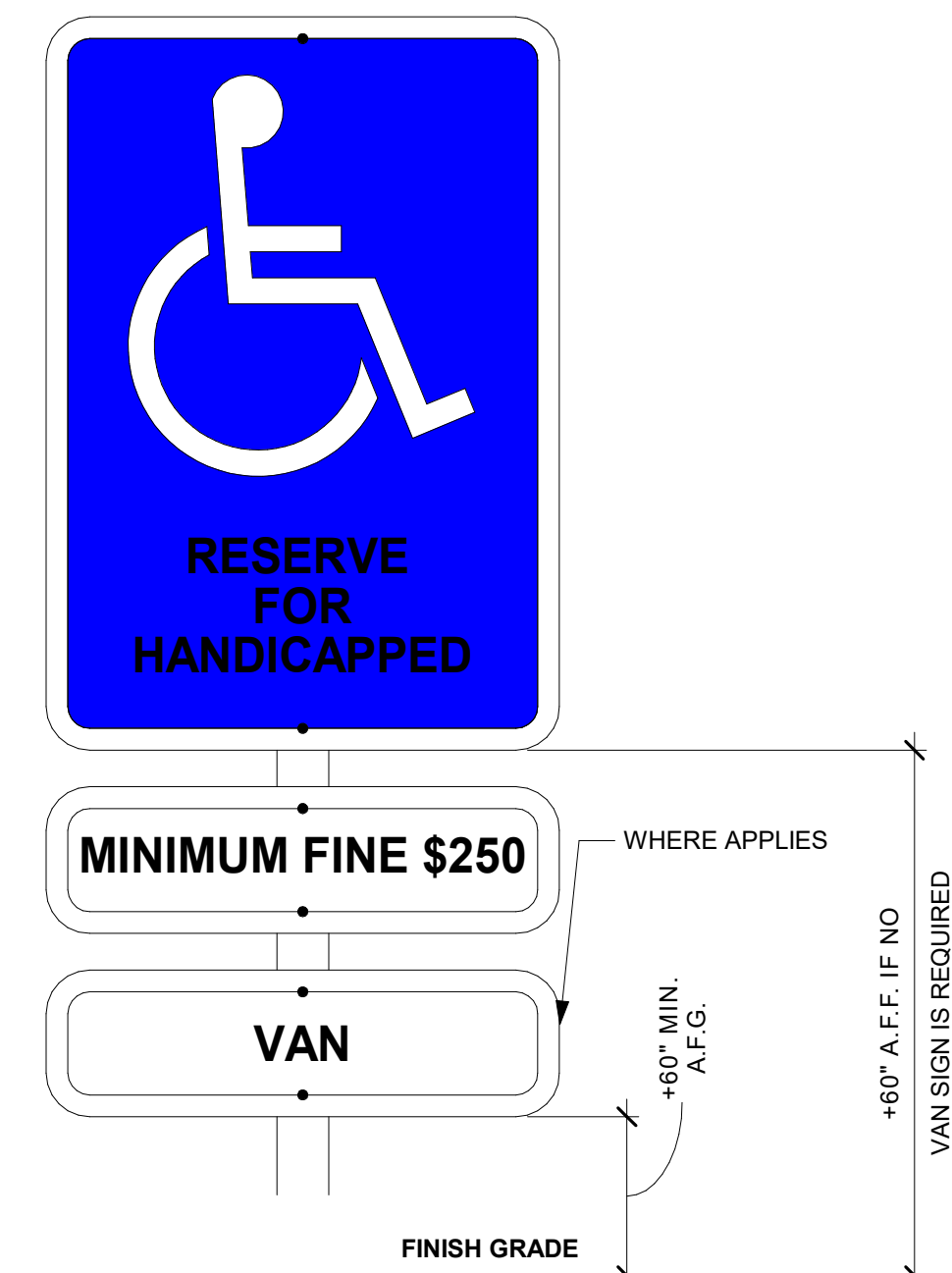
SCALE: 1" = 1'-0"



NOTE: MIN. 17" x 22" SIGN AT EACH ENTRANCE TO OFF STREET PARKING FACILITY WITH MIN. 1" HIGH TEXT PER CBC SECTION 11B-502.8. SIGNS SHALL BE PERMANENTLY AFFIXED REFLECTORIZED SIGN OF PORCELAIN ON STEEL WITH BEADED TEXT OR EQUAL AND A HEIGHT OF 80" ABOVE FINISHED GRADE

SITE - ACCESSIBLE ENTRY SIGNAGE

SCALE: 12" = 1'-0"



HC - ACCESSIBLE PARKING SIGN

SCALE: 6" = 1'-0"



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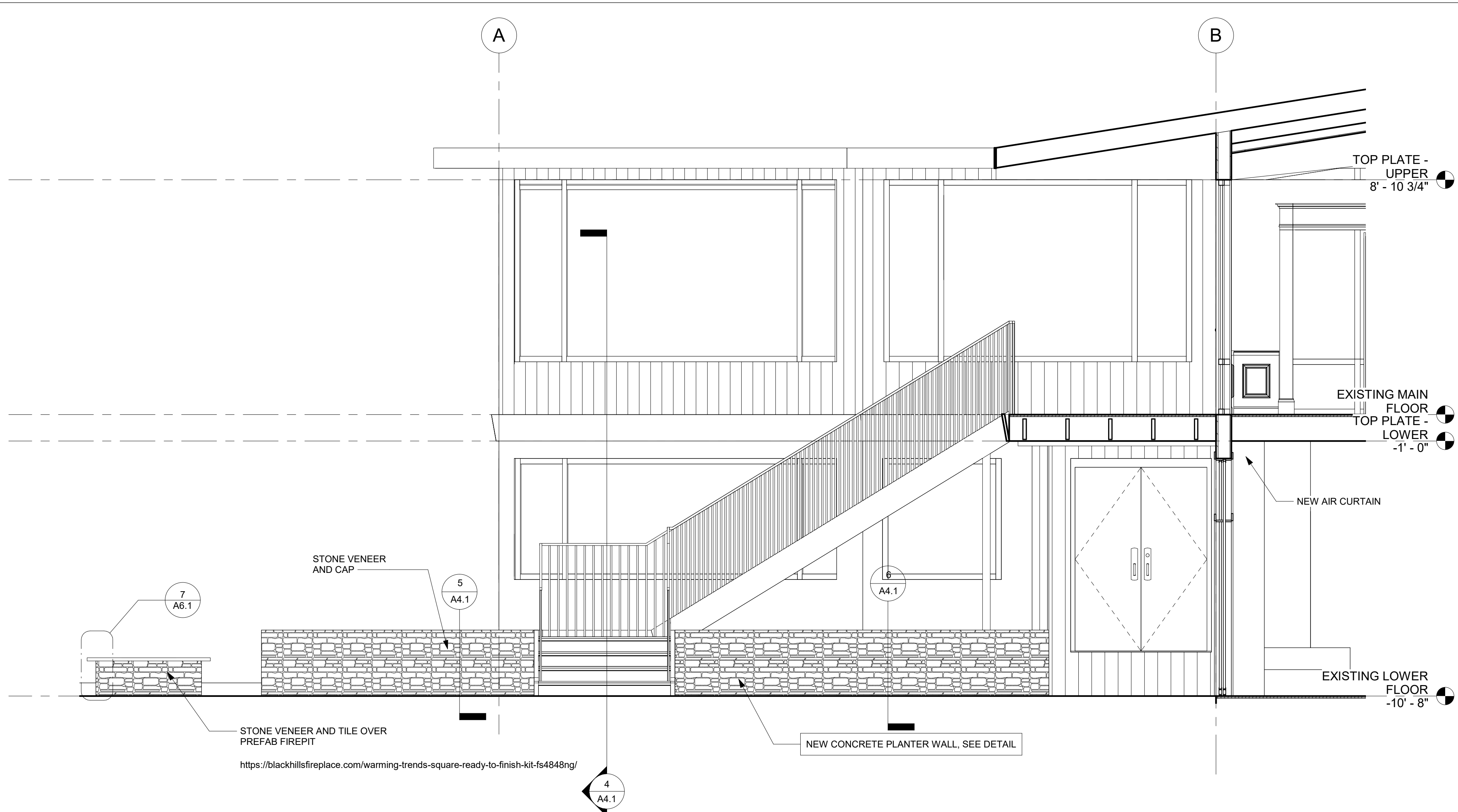
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Revisions

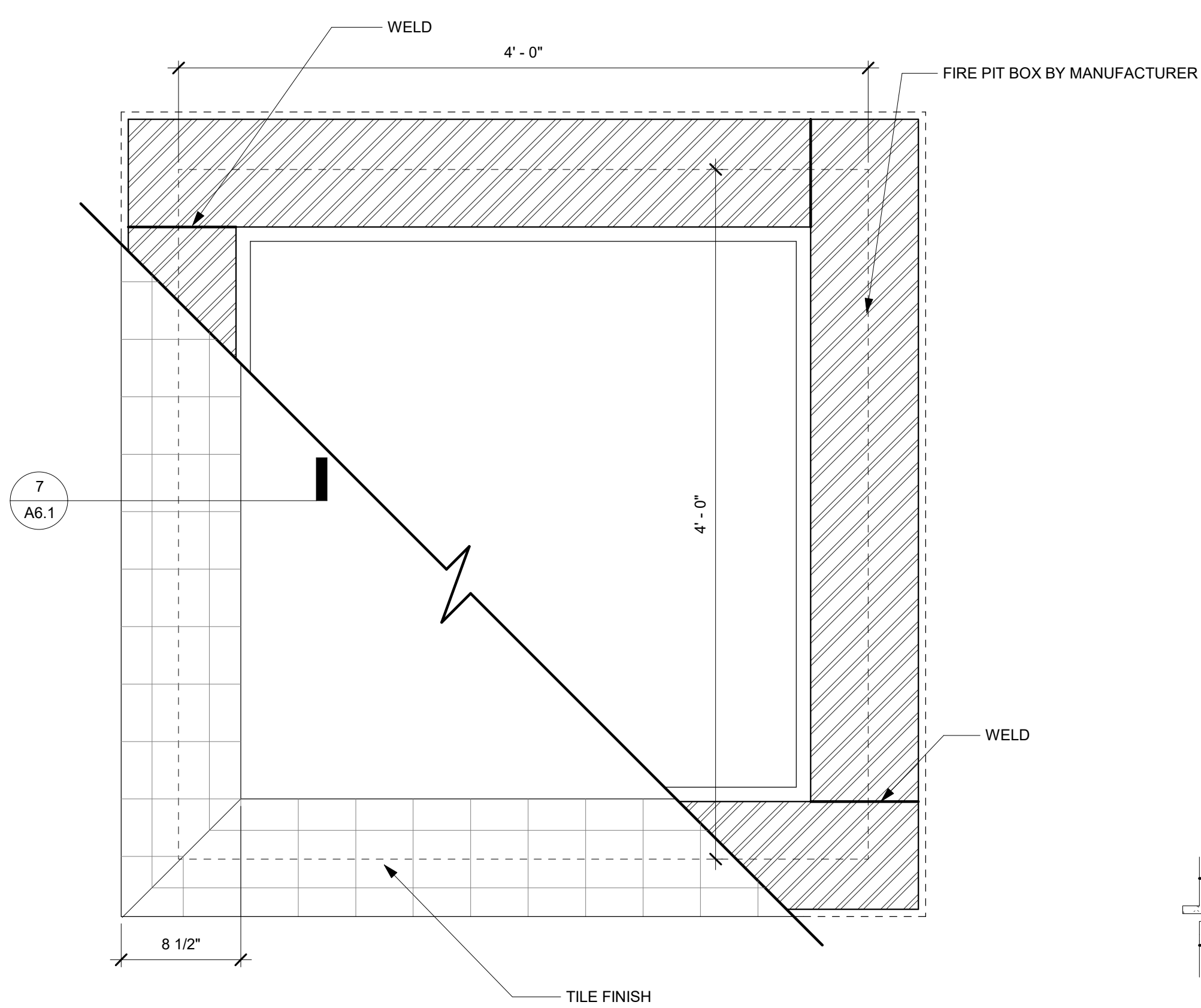
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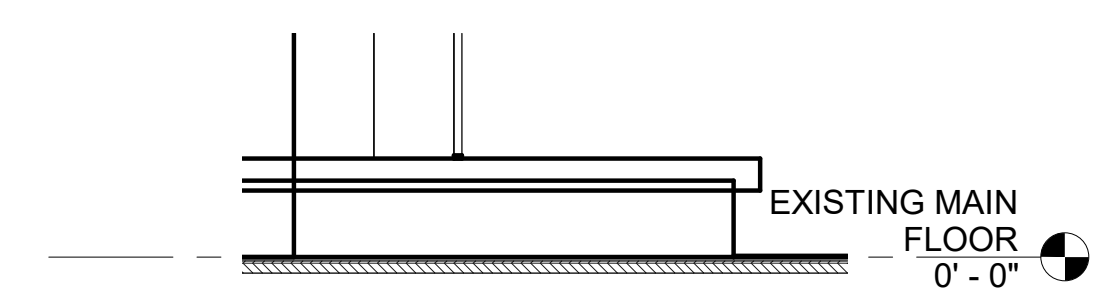
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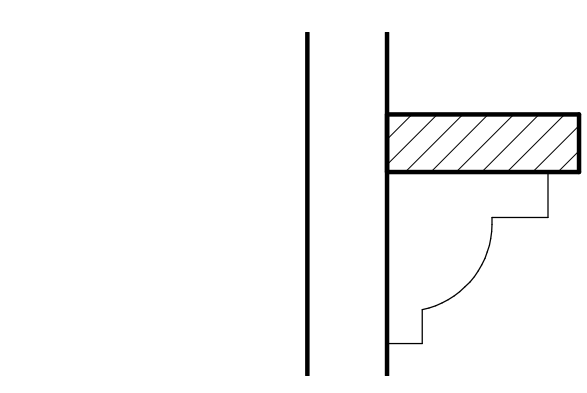
6 Section 10
SCALE: 3/8" = 1'-0"



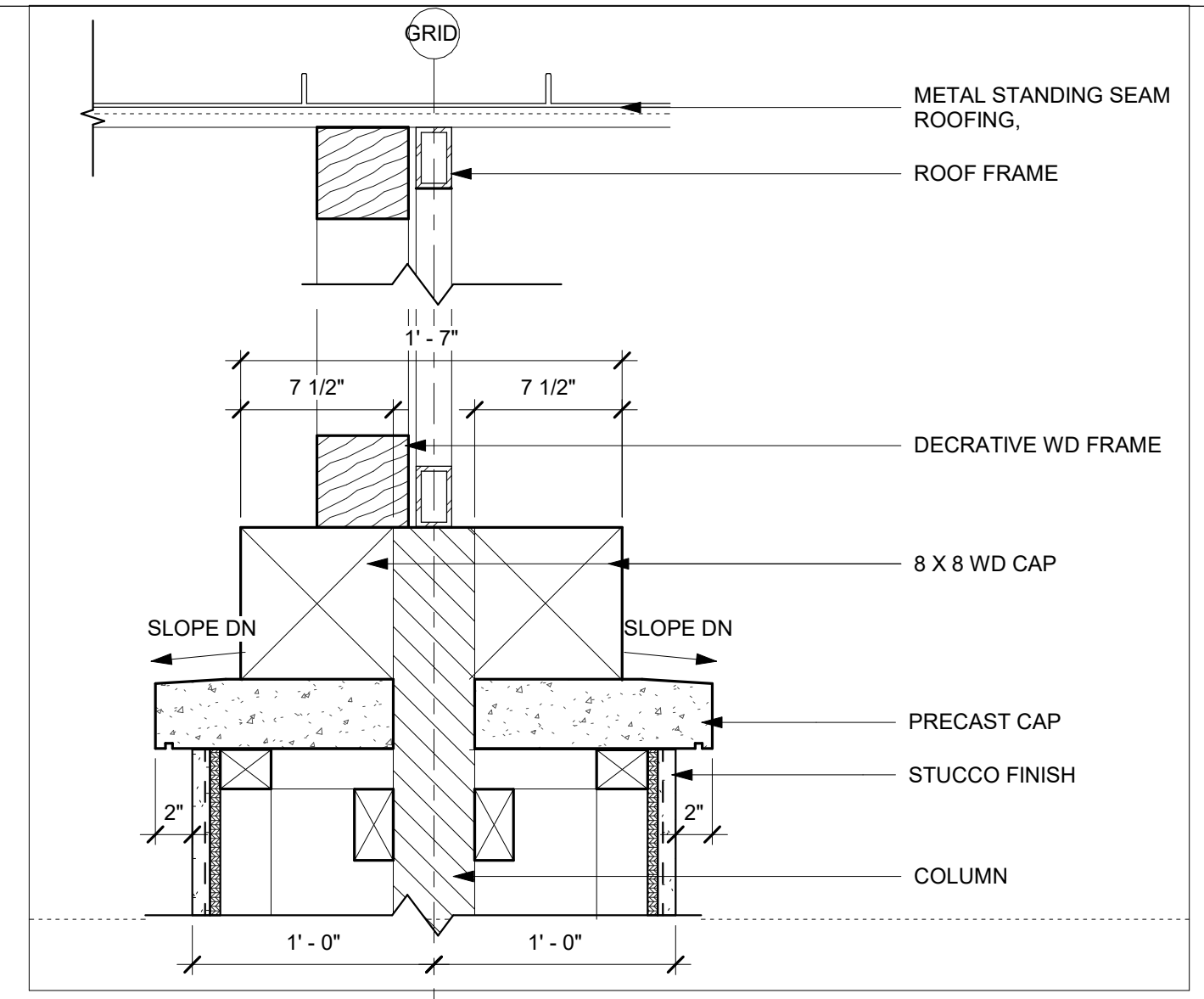
7 SITE - FIRE PIT DETAIL
SCALE: 1 1/2" = 1'-0"



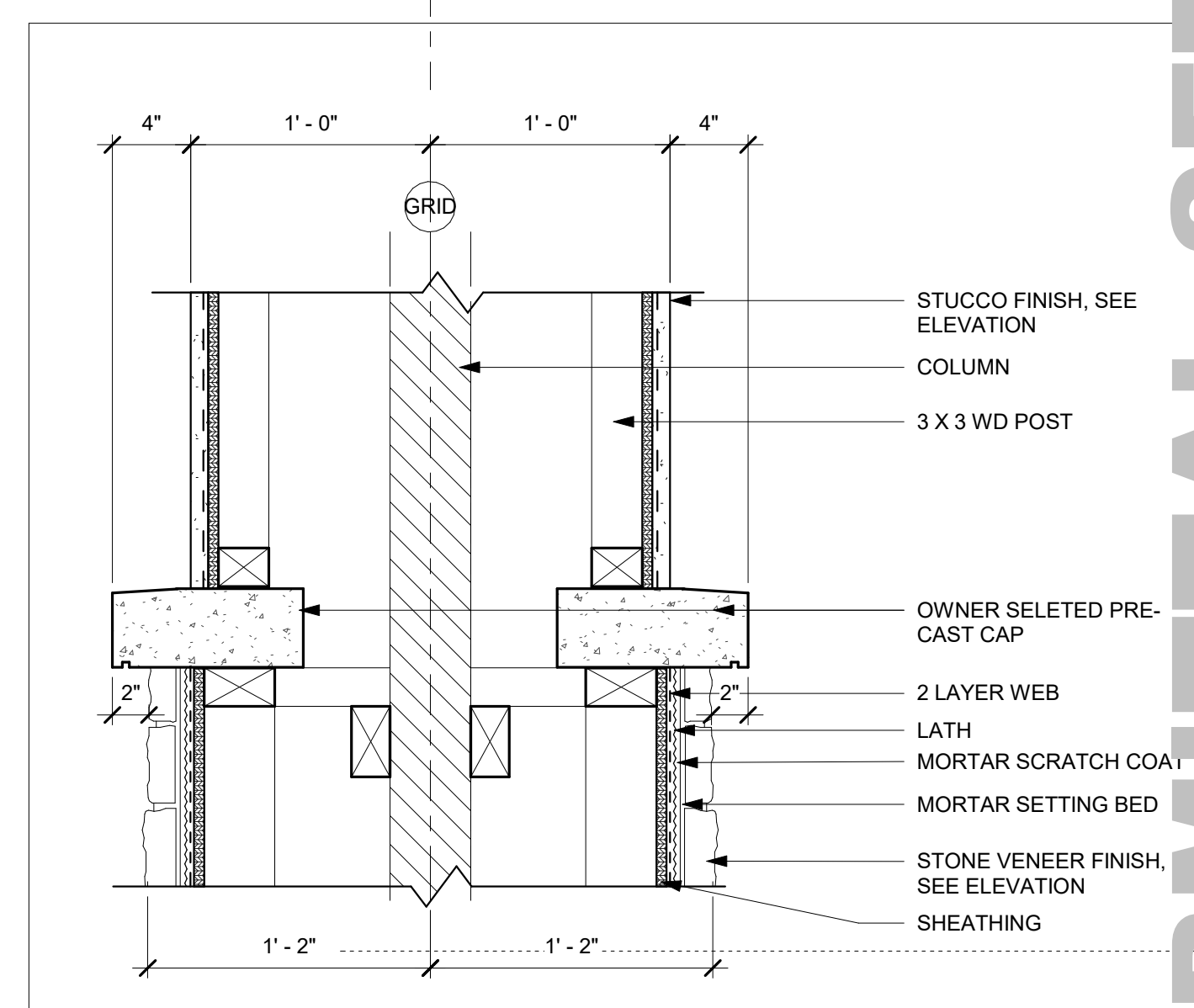
4 FIREPLACE - HEARTH SECTION
SCALE: 1" = 1'-0"



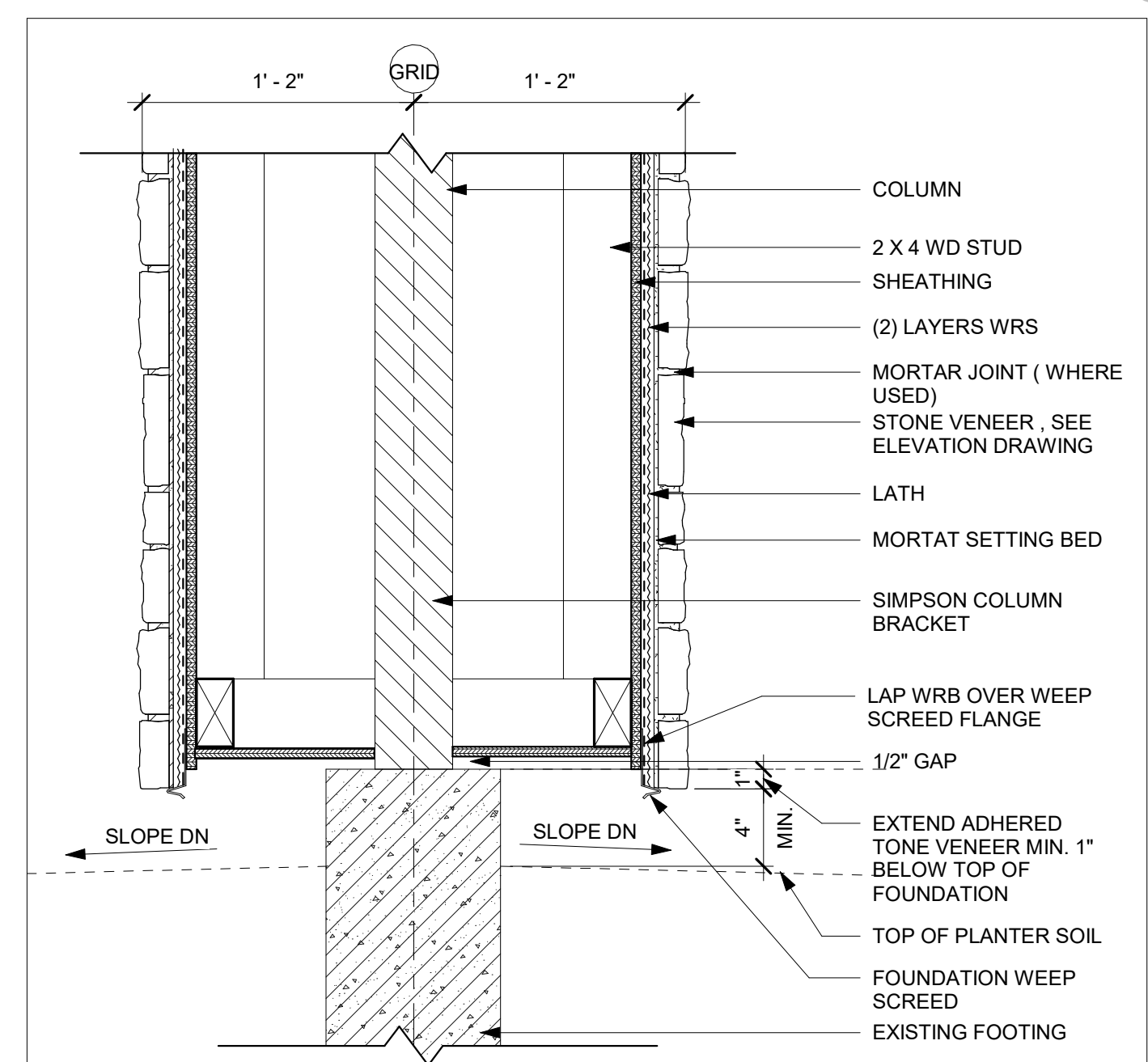
5 FIREPLACE - MANTLE SECTION
SCALE: 1" = 1'-0"



1 COLUMN CAP2
SCALE: 1 1/2" = 1'-0"



2 COLUMN CAP W/ STUCCO
SCALE: 1 1/2" = 1'-0"



3 COLUMN BASE -STONE VENEER
SCALE: 1-1/2" = 1'-0"

SUBMITTAL SET



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ABBREVIATIONS

&	AND	INFO	INFORMATION
INT.	INTERIOR	INT.	INTERIOR
INV.	INVERTED	INV.	INVERTED
JST.	JOIST	JST.	JOIST
#	POUND	JT.	JOINT
>	GREATER THAN	L	LENGTH
>=	GREATER THAN OR EQUAL TO	LAT.	LATERAL
<	LESS THAN	LB.	POUND
<=	LESS THAN OR EQUAL TO	LF	LINEAR FEET
(C)	EXISTING	LLH	LONG LEG HORIZONTAL
A&B	ABOVE AND BELOW	LLV	LONG LEG VERTICAL
A.B.	ANCHOR BOLT	LSH	LONG SLOTTED HOLE
ABV	ABOVE	MAT.	MATERIAL
AGG.	AGGREGATE	MAX.	MAXIMUM
ALT.	ALTERNATE	M.B.	MACHINE BOLT
ALUM.	ALUMINUM	MC	MISCELLANEOUS CHANNEL
APPROX.	APPROXIMATE	MECH.	MECHANICAL
ARCH.	ARCHITECTURAL	MFR.	MANUFACTURER
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS	MIN.	MINIMUM
AVG.	AVERAGE	MISC.	MISCELLANEOUS
BLW	BELOW	MLB	MICRO LAM BEAM
BLDG.	BUILDING	MFR.	MANUFACTURER
BLKG.	BLOCKING	N/A	NOT APPLICABLE
BM	BEAM	NEF	NON-EXPANSIVE FILL
B.O.	BOTTOM OF	NO.	NUMBER
B.O.S.	BOTTOM OF STEEL	N.S.	NEAR SIDE
BOT.	BOTTOM	O/	OVER
BA.	BASEPLATE	o.c.	ON CENTER
C	CHANNEL	O.F.	OUTSIDE FACE
C.I.P.	CAST IN PLACE	O.H.	OPPOSITE HAND
CL	CENTERLINE	OPNG.	OPENING
C.J.	CONSTRUCTION JOINT	OPP.	OPPOSITE
CJP	COMPLETE JOINT PENETRATION	ORIENT.	ORIENTATION
CLR.	CLEAR	OWSJ	OPEN WEB STEEL JOIST
CMU	CONCRETE MASONRY UNIT	P	PILE
COL.	COLUMN	P.C.	PRECAST CONCRETE
CONC.	CONCRETE	PERIM.	PERIMETER
CONN.	CONNECTION	PJP	PARTIAL JOINT PENETRATION
CONT.	CONTINUOUS	PL	PLATE
C.A.	COMPLETE PENETRATION	PLY	PLYWOOD
CTR.	CENTER	P.S.D.	PER STAIR DETAILER
CTR'D	CENTERED	PSF	POUNDS PER SQUARE FOOT
CTSK.	COUNTERSINK	PSI	POUNDS PER SQUARE INCH
D.B.A.	DEFORMED BAR ANCHOR	PT.	POINT
DBL	DOUBLE	P.T.	PRESSURE TREATED
DET.	DETAIL	R	RADIUS
D.F.	DOUGLAS FIR	R.D.	ROOF DRAIN
DIA.	DIAMETER	RECT.	RECTANGULAR
DIAG.	DIAGONAL	REF.	REFERENCE
DIM.	DIMENSION	REINF.	REINFORCEMENT
DIMS.	DIMENSIONS.	REQ'D	REQUIRED
DN.	DOWN	RF	ROUGH SAWN
DWG.	DRAWING	RS	ROUGH SAWN
EA.	EACH	S.A.D.	SEE ARCHITECTURAL DRAWINGS
E.B.	EXPANSION BOLT	SCHED.	SCHEDULE
E.F.	EACH FACE	SECT.	SECTION
E.J.	EXPANSION JOINT	SIM.	SIMILAR
EL.	ELEVATION	S.M.	SHEET METAL
ELEV.	ELEVATOR	SPEC.	SPECIFICATION
EMBED	EMBEDMENT	SS	SQUARE
E.N.	EDGE NAIL	SQ	STAINLESS STEEL
E.O.	EDGE OF	SSH	SHORT SLOTTED HOLE
E.O.D.	EDGE OF DECK	STAG.	STAGGERED
E.O.S.	EDGE OF SLAB	STD	STANDARD
E.S.	EACH SIDE	STD.	STANDARD
EQ.	EQUAL	STIFF.	STIFFENER
EQUIP.	EQUIPMENT	STL.	STEEL
EQS.	EQUAL SPACES	STR.L.	STRUCTURAL
ER.	ERECTION	SYM.	SYMMETRICAL
ETC.	ET CETERA	T&B	TOP AND BOTTOM
EXP.	EXPANSION	T&G	TONGUE AND GROOVE
EXT.	EXTERIOR	T.B.D.	TO BE DETERMINED
E.W.	EACH WAY	THK.	THICK
F.F.	FINISHED FLOOR	TH.	THICK
F.N.	FIELD NAIL	T.O.C.	TOP OF CONCRETE
F.O.	FACE OF	T.O.F.	TOP OF FOOTING
F.O.C.	FACE OF CONCRETE	T.O.S.	TOP OF STEEL
F.S.	FAR SIDE	TS	TUBE STEEL
FT.	FOOT, FEET	TYP.	TYPICAL
GA.	GAGE	U.O.N.	UNLESS OTHERWISE NOTED
GALV.	GALVANIZED	VERT.	VERTICAL
GL	GRID LINE	V.I.F.	VERIFY IN FIELD
GLB	GLU-LAM BEAM	V.S.D.	VERIFY WITH STAIR DETAILER
H.D.	HOLD DOWN	W.A.	VERIFY WITH ARCHITECTURAL DRAWINGS
HDR	HEADER	W	WIDE FLANGE BEAM
HORIZ.	HORIZONTAL	W/	WITH
HSB	HIGH STRENGTH BOLT	WF	WIDE FLANGE
H.S.B.	HIGH STRENGTH BOLT	W/O	WITHOUT
HSS	HOLLOW STRUCTURAL STEEL	W.J.	WALL JOINT
HT.	HEIGHT	W.P.J.	WEAKENED PLANE JOINT
I.D.	INSIDE DIAMETER	W.Q.	WORK POINT
I.F.	INSIDE FACE	WT.	WIDE FLANGE TEE
		WT.	WEIGHT
		W.W.F.	WELDED WIRE FABRIC

SYMBOLS LEGEND

NOTE: THE SYMBOLS LEGEND BELOW IS GENERIC. FOR ADDITIONAL INFORMATION AND REFERENCED DETAIL CALLOUTS, SEE PLANS, REFERENCED DETAILS AND REFERENCED NOTES.

	CAST IN PLACE CONCRETE
	EXISTING CONCRETE OR CMU
	WALL BELOW
	OPENING OR PIT
	RAISED CONCRETE PAD
	EARTH / SOIL / GRADE
	ROCK OR GRAVEL
	CENTERLINE
	GRID LINE
	GENERIC GRID LINE
	REVISION CLOUD
	REVISION DELTA ID
	DETAIL NUMBER
	SHEET NUMBER

GENERAL NOTES

GENERAL

- CONSIDER GENERAL NOTES AS APPLYING TO ALL STRUCTURAL DRAWINGS.
- DO ALL WORK IN ACCORDANCE WITH ALL STATE AND LOCAL BUILDING CODES IN EFFECT AT THE PLACE OF THE BUILDING. DESIGN WAS PERFORMED IN ACCORDANCE WITH THE 2019 CALIFORNIA BUILDING CODE.
- THE ENGINEER SHALL HAVE NO CONTROL OR CHARGE OF, NOR BE RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, SAFETY PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK, THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.
- USE THE FOLLOWING STRUCTURE DESIGN LOADS/PARAMETERS:

DESIGN LIVE LOADS							
LOAD TYPE		LOAD (PSF)		NOTES			
ROOF		20		REDUCIBLE			
FLOOR-OFFICE		50		REDUCIBLE			
FLOOR-PARTITION (ADD)		15		NON-REDUCIBLE			

SITE PARAMETERS							
SITE CLASS	Ss	S1	Sos	Sol	RISK CATEGORY	Ie	SDC
D	2.262	0.877	1.81	-	II	1.00	D

COMPONENT PARAMETERS							
SEISMIC PARAMETERS		SEISMIC COEFFICIENT (Fp)	ULT. HOR WIND PRESSURE (PSF)	COMPONENT DESCRIPTIONS			
Ap	Rp	Ip	Ua				
1.0	2.5	1.0	2.0	0.87	-	SLIDING PARTITION	
- CONSTRUCT THOSE FEATURES OF THE PROJECT, WHICH MAY NOT BE FULLY SHOWN, IN A MANNER SIMILAR TO THAT USED FOR SIMILAR FEATURES.
- THE EXISTING CONDITIONS SHOWN ON THESE DRAWINGS ARE DEVELOPED FROM AVAILABLE "RECORD" DRAWINGS AND SOME MINOR FIELD VERIFICATION. THE ENGINEER DOES NOT TAKE RESPONSIBILITY FOR THE COMPLETE ACCURACY OF THE PLANS. THE CONTRACTOR SHALL MAKE ALLOWANCES AND PROVISIONS FOR FIELD ADJUSTMENTS AS MAY BE REQUIRED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO START OF WORK FOR PRICING.
- CONTRACTOR IS TO VERIFY ALL DIMENSIONS PRIOR TO BEGINNING OF CONSTRUCTION. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER BEFORE PROCEEDING WITH WORK. COORDINATE STRUCTURAL DIMENSIONS WITH ARCHITECTURAL AND ALL OTHER DRAWINGS AND SPECIFICATIONS.
- VERIFY ALL DIMENSIONS OF EXISTING CONSTRUCTION BEFORE FABRICATION. NOTIFY ENGINEER OF ANY CONDITIONS THAT DIFFER FROM AS REPRESENTED ON THE DRAWINGS PRIOR TO PROCEEDING WITH THE WORK.
- ALL WORK SHALL BE DONE SO AS TO MINIMIZE DAMAGE TO EXISTING STRUCTURE AND FINISHES.
- (E) DENOTES EXISTING CONSTRUCTION.
- SHOULD ANY CONDITION ARISE WHERE THE INTENT OF THE DRAWINGS IS IN DOUBT OR WHERE THERE APPEARS TO BE AN ERROR ON THE DRAWINGS OR DISCREPANCY BETWEEN THE DRAWINGS AND FIELD CONDITION, THE ENGINEER SHALL BE NOTIFIED AS SOON AS POSSIBLE FOR A PROCEDURE TO BE FOLLOWED. IF THE CONTRACTOR PROCEEDS WITH THE WORK AFFECTED WITHOUT INSTRUCTIONS FROM THE ENGINEER, THE CONTRACTOR SHALL MAKE GOOD ANY RESULTING DAMAGE OR DEFECTS. THIS INCLUDES TYPOGRAPHICAL ERRORS IN THE SPECIFICATIONS AND ERRORS ON THE DRAWINGS.
- IN THE CASE WHERE TWO OR MORE DETAILS APPLYING TO THE SAME PART OF THE WORK ARE IN CONFLICT, THE MOST RESTRICTIVE SHALL GOVERN UNLESS CLARIFIED OR OTHERWISE APPROVED BY THE ENGINEER.
- THE CONTRACTOR AND EACH SUBCONTRACTOR SHALL CAREFULLY EXAMINE THE CONDITIONS AFFECTING HIS WORK BEFORE PROCEEDING AND SHALL REPORT TO THE ENGINEER ANY CONDITION WHICH WOULD PREVENT THE PROPER AND LEGAL COMPLETION OF HIS WORK. NOT REPORTING ANY SUCH UNSUITABLE CONDITION WILL CONSTITUTE ACCEPTANCE OF ALL CONDITIONS BY THE CONTRACTOR OR SUBCONTRACTOR.

FOUNDATIONS

- DO EXCAVATIONS AS NEARLY AS POSSIBLE TO NEAT LINES REQUIRED BY SIZE AND SHAPE OF FOOTINGS WHICH ARE POURED AGAINST EARTH WITHOUT FORMING, UNLESS OTHERWISE SHOWN. OVER EXCAVATIONS MAY BE FILLED WITH ADDITIONAL PLAIN FOUNDATION CONCRETE OR MAY BE FORMED AND BACKFILLED WITH NATIVE EARTH COMPACTED TO AT LEAST 90% RELATIVE COMPACTION. REFER TO SOILS REPORT (WHERE AVAILABLE) FOR ADDITIONAL REQUIREMENTS.
- VOIDS CREATED FROM FORMED GRADEBEAMS OR FOUNDATION STEMWALLS SHALL BE BACKFILLED WITH NATIVE SOILS COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION.
- ALLOWABLE SOIL PRESSURES:

2.3.1	1500 LBS/SQ. FT. FOR DEAD LOADS.
2.3.2	1500 LBS/SQ. FT. FOR COMBINED DEAD AND LIVE LOADS.
2.3.3	2000 LBS/SQ. FT. FOR COMBINED DEAD, LIVE AND SEISMIC/WIND LOADS.
- NO SOILS REPORT FOR THIS PROJECT HAS BEEN PREPARED. ALLOWABLE SOIL BEARING VALUES USED ARE PER TABLE 1806.2 OF THE CALIFORNIA BUILDING CODE.

	WF COLUMN
	HSS COLUMN
	SLOPED SURFACE. ARROW HEAD POINTS TO LOWER ELEVATION
	CHANGE IN SLAB OR FLOOR ELEVATION, WITH RESPECT TO TYPICAL ELEVATION
	DEPRESSION IN CONCRETE SLAB OR DECK-SLAB
	WEAKENED PLANE JOINT (W.P.J.)
	CONSTRUCTION JOINT
	FINISHED FLOOR
	ELEVATION TARGET
	SECTION REFERENCE CUT
	CORRESPONDING SECTION
	INDICATES SIMPSON HARDWARE OR APPROVED EQUAL
	ELEVATION DETAIL REFERENCE

CONCRETE

- STRUCTURAL CONCRETE SHALL CONFORM TO ACI318-14 CODE REQUIREMENTS.
- CEMENT: ASTM C150 TYPE II. CEMENT SHALL BE OF SAME BRAND, TYPE AND SOURCE THROUGHOUT PROJECT. WHERE AGGREGATES ARE POTENTIALLY REACTIVE, USE LOW ALKALI CEMENT.
- AGGREGATES: ASTM C33 AND C88 FROM SOURCES WITH PROVEN HISTORY OF SUCCESSFUL USE. SOURCE SHALL BE CONSTANT UNLESS 10 DAYS PRIOR NOTICE IS GIVEN FOR APPROVAL AFTER RECHECK OF MIX DESIGN. SUBMIT SHRINKAGE CHARACTERISTICS AS DETERMINED BY ASTM C157 TO ENGINEER FOR REVIEW AND APPROVAL BEFORE USE.
- CONCRETE MIXES SHALL BE NORMAL WEIGHT CONCRETE U.O.N. CONFORMING TO APPLICABLE BUILDING CODE REQUIREMENTS REGARDLESS OF OTHER MINIMUM REQUIREMENTS SPECIFIED HEREIN OR ON THE DRAWINGS. MIX DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE USE. DESIGNS SHALL SHOW PROPORTIONS OF CEMENT, FINE AND COARSE AGGREGATES AND WATER, AND GRADATION OF COMBINED AGGREGATES.
- PROVIDE MIX DESIGNS THAT WILL MEET THE MINIMUM REQUIREMENTS LISTED BELOW. INCREASE CEMENT CONTENT OVER THAT SHOWN, IF REQUIRED TO OBTAIN THE COMPRESSIVE STRENGTH:

CONCRETE MIX DESIGN SCHEDULE				
LOCATION	MIN. 28-DAY COMPRESSIVE STRENGTH (PSI)	MAX. WATER CEMENT RATIO	SLUMP RANGE (IN.)	MAX. AGGREGATE SIZE (IN.)
FOUNDATIONS	3000	0.60	3"-5"	1"
MISCELLANEOUS	3000	0.55	3"-5"	1"
- USE INTERMEDIATE GRADE ASTM A615, GRADE 60 REINFORCING TYPICAL, U.O.N.
- UNLESS OTHERWISE NOTED, OBSERVE THE FOLLOWING REINFORCEMENT CLEARANCES:

3.7.1	NON-PRESTRESSED CONCRETE POURED AGAINST EARTH: 3"
3.7.2	NON-PRESTRESSED CONCRETE EXPOSED TO EARTH OR WEATHER: A. NO. 3 - NO. 5 BARS: 1 1/2" B. NO. 6 - NO. 18 BARS: 2"
3.7.3	NON-PRESTRESSED CONCRETE NOT EXPOSED TO EARTH OR WEATHER: A. NO. 3 - NO. 11 BARS: 3/4" B. NO. 14 - NO. 18 BARS: 1 1/2"
- PROVIDE 3/4" CHAMFER AT EXPOSED EDGES OF CONCRETE, UNLESS OTHERWISE SHOWN.
- SECURE REINFORCING, ANCHOR BOLTS, INSERTS, ETC. RIGIDLY IN PLACE PRIOR TO POURING CONCRETE.
- SUPPORT HORIZONTAL REINFORCING ON GALVANIZED CHAIRS EXCEPT MORTAR BLOCKS OR OTHER APPROVED METHOD OF SUPPORT MAY BE USED AT FOOTINGS, AND SLABS ON GRADE.
- REMOVE FORMS AT FOLLOWING MINIMUM TIMES AFTER POURING:

3.11.1	AT WALLS LESS THAN 4' HIGH - 36 HOURS
3.11.2	AT SLAB EDGES - 24 HOURS
- MAKE HOOKS ACI 318-14 STANDARD HOOKS UNLESS OTHERWISE NOTED. PROVIDE 135 DEGREE MINIMUM TURN, PLUS 4" EXTENSION AT FREE ENDS OF COLUMN PLASTER TIES.
- MAKE LAPS CONTACT SPLICES, DEVELOPMENT LENGTHS, HOOK EMBEDMENTS PER ACI 318-14, UNLESS OTHERWISE NOTED. STAGGER LAP SPLICES WHERE POSSIBLE.
- ALL REBAR SHALL BE COLD BENT.

STRUCTURAL STEEL

- STRUCTURAL STEEL AND MISCELLANEOUS IRON SHALL CONFORM TO AISC SPECIFICATIONS AND CODE OF STANDARD PRACTICES. USE AWS SPECIFICATIONS FOR WELDING.
- AT CONTRACTORS/DETAILERS OPTION, TO FACILITATE ERECTION, FIELD WELDING MAY BE SUBSTITUTED FOR SHOP WELDING AND SHOP WELDING MAY BE SUBSTITUTED FOR FIELD WELDING.
- STRUCTURAL STEEL MATERIAL SPECIFICATIONS SHALL BE AS FOLLOWS:

STEEL MATERIAL SCHEDULE	
ITEM	SPECIFICATION
ANGLES	ASTM A36
RECTANGULAR HSS TUBE STEEL	ASTM A500 GRADE B
HSS COL BASE PLATE	ASTM A36
MISCELLANEOUS PLATES	ASTM A36
MACHINE BOLTS (M.B.)	ASTM A307 GRADE A
LAG BOLTS	ASTM A307 GRADE A
THREADED RODS	ASTM A36
NUTS	ASTM A563
WELDING ELECTRODES	E70XX

4.3.1	E70T-4 OR NS-3M ELECTRODES SHALL NOT BE USED.
-------	---
- ALL STEEL MEMBERS SHALL BE MADE IN AN APPROVED FABRICATOR'S SHOP, WHEN SHOP SPECIAL INSPECTION IS NOT PROVIDED. THE APPROVED FABRICATOR SHALL SUBMIT THE CERTIFICATE OF COMPLIANCE TO THE BUILDING INSPECTOR PRIOR TO ERECTION.
- LUMBER AND TIMBER FRAMING
- LUMBER AND TIMBER FRAMING AND CONSTRUCTION SHALL CONFORM TO AMERICAN WOOD COUNCIL (AWC) "NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION" WITH 2018 SUPPLEMENT.
- USE DOUGLAS FIR-LARCH FRAMING LUMBER, CLASSIFIED UNDER STRUCTURAL LIGHT FRAMING, MANUFACTURED AND GRADED IN ACCORDANCE WITH WCLB OR WPPA GRADING RULES, UNLESS SPECIFICALLY SHOWN OTHERWISE AS FOLLOWS:

5.2.1	3x, 4x AND 6x JOISTS/BEAMS/SLEEPERS: #1 GRADE OR BETTER
-------	---
- PROVIDE BOLT HOLES IN WOOD 1/16" LARGER THAN BOLTS. U.O.N. PROVIDE STANDARD ROUND PLATE WASHERS AT HEADS AND/OR NUTS WHICH BEAR AGAINST WOOD TYP. U.O.N.
- LAG SCREWS REQUIRE PREBORED LEAD HOLES. LEAD HOLES FOR THE SHANK SHALL HAVE A DEPTH EQUAL TO THE LENGTH OF THE UNTHREADED PORTION IN THE MAIN MEMBER.

NOMINAL SCREW DIAMETER	DIAMETER OF LEAD HOLES FOR DOUGLAS FIR	
	UNTHREADED SHANK PORTION	THREADED SHANK PORTION
3/8"	3/8"	1/4"
1/2"	1/2"	5/16"
5/8"	5/8"	7/16"
3/4"	3/4"	1/2"
7/8"	7/8"	9/16"
1"	1"	1 1/16"
- [HDS] ETC. DENOTES "SIMPSON STRONG TIE" CONNECTORS, OR APPROVED EQUAL.
- FASTENERS IN CONTACT WITH PRESURE-PRESERVATIVE TREATED OR FIRE RETARDANT TREATED WOOD SHALL BE HOT-DIPPED GALVANIZED, STAINLESS STEEL, OR COPPER. HOT-DIPPED GALVANIZED COATED FASTENERS SHALL CONFORM TO ASTM A153.
- ALL STRUCTURAL CONNECTING METAL, HANGERS AND STRAPS IN CONTACT WITH PRESURE-PRESERVATIVE TREATED MATERIAL SHALL BE HOT-DIPPED GALVANIZED PER ASTM A653 (CLASS G-185).
- ALL WOOD FRAMING SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19% AT THE TIME OF INSTALLATION.
- PROVIDE MINIMUM STANDARD NAILING, USING COMMON NAILS, AT EACH BOARD OR MEMBER AT EACH POINT OF CONTACT, EXCEPT WHERE SHOWN OTHERWISE, AS FOLLOWS:

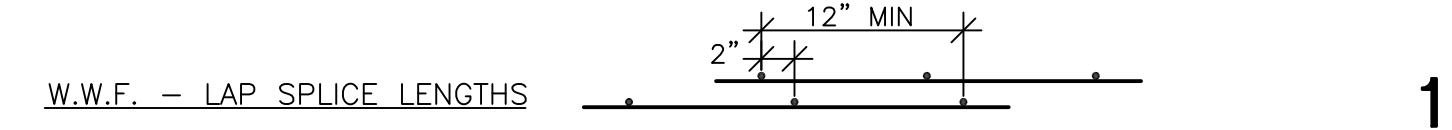
5.9.1	SOLID BLOCKING: 2-8d TONENAILS EACH END, EACH BLK.
-------	--

UNCOATED REINFORCEMENT BAR LAP SPlice (Ld) FOR NORMAL WEIGHT CONCRETE (CLASS "B" SPlice)

LOCATION	CONC. F'c (psi)	STEEL Fy (ksi)	BAR SIZE								
			3	4	5	6	7	8	9	10	11
"Ld"=LAP SPlice (in)											
TOP	3000	60	28	38	47	56	81	93	105	118	131
OTHER	3000	60	22	29	36	43	63	72	81	91	101
TOP	4000	60	25	33	41	49	71	81	91	102	114
OTHER	4000	60	19	25	31	37	54	62	70	79	87
TOP	5000	60	22	29	36	44	63	72	81	92	102
OTHER	5000	60	17	23	28	34	49	56	63	71	78
TOP	6000	60	20	27	33	40	58	66	74	84	93
OTHER	6000	60	16	21	26	31	45	51	57	64	71
TOP	7000	60	19	25	31	37	54	61	69	77	86
OTHER	7000	60	14	19	24	28	41	47	53	60	66

NOTES:

- LAP LENGTHS SHOWN IN THE SCHEDULE ARE BASED ON CURRENTLY ADOPTED ACI-318 25.5 WITH CLEAR SPACING OF BARS BEING SPLICED NOT LESS THAN 2db AND CLEAR COVER NOT LESS THAN db, WHERE "db" IS THE NOMINAL BAR DIAMETER. WHERE EITHER OF THESE CONDITIONS IS NOT MET, INCREASE LAP LENGTH BY 50%. CONCRETE COVER SHALL NOT BE LESS THAN REQUIRED IN THE CONCRETE SECTION OF THE GENERAL NOTES.
- TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE BELOW THE BAR.
- THE SMALLER LAP SPlice LENGTH MAY BE USED WHEN TWO BARS OF DIFFERENT SIZES ARE TO BE LAPPED.
- LAP SPlice LENGTH SHALL BE INCREASED BY 34% FOR LIGHT WEIGHT CONCRETE.



UNCOATED REINFORCEMENT BAR DEVELOPMENT LENGTH (ld) FOR NORMAL WEIGHT CONCRETE

LOCATION	CONC. F'c (psi)	STEEL Fy (ksi)	BAR SIZE								
			3	4	5	6	7	8	9	10	11
"ld"=DEVELOPMENT LENGTH (in)											
TOP	3000	60	22	29	36	43	63	72	81	91	101
OTHER	3000	60	17	22	28	33	48	55	62	70	78
TOP	4000	60	19	25	31	37	54	62	70	79	87
OTHER	4000	60	15	19	24	29	42	48	54	61	67
TOP	5000	60	17	23	28	34	49	56	63	71	78
OTHER	5000	60	13	17	22	26	38	43	48	54	60
TOP	6000	60	16	21	26	31	45	51	57	64	71
OTHER	6000	60	12	16	20	24	34	39	44	50	55
TOP	7000	60	14	19	24	28	41	47	53	60	66
OTHER	7000	60	12	15	18	22	32	36	41	46	51

NOTES:

- DEVELOPMENT LENGTHS SHOWN IN THE SCHEDULE ARE BASED ON CURRENTLY ADOPTED ACI-318 25.4 WITH CLEAR SPACING OF BARS BEING DEVELOPED NOT LESS THAN 2db AND CLEAR COVER NOT LESS THAN db, WHERE "db" IS THE NOMINAL BAR DIAMETER. WHERE EITHER OF THESE CONDITIONS IS NOT MET, INCREASE DEVELOPMENT LENGTH BY 50%. CONCRETE COVER SHALL NOT BE LESS THAN REQUIRED IN THE CONCRETE SECTION OF THE GENERAL NOTES.
- TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE BELOW THE BAR.
- DEVELOPMENT LENGTH SHALL BE INCREASED BY 34% FOR LIGHT WEIGHT CONCRETE.

SPECIAL INSPECTIONS

- PROVIDE SPECIAL INSPECTIONS AS REQUIRED BY CHAPTER 17 OF THE CALIFORNIA BUILDING CODE FOR THE FOLLOWING ITEMS:

6.1.1	PLACEMENT OF REINFORCING STEEL.
6.1.2	TAKING OF TEST SPECIMENS AND PLACING OF ALL CONCRETE.
6.1.3	STRUCTURAL WELDING.
6.1.4	STRUCTURAL STEEL MATERIAL VERIFICATION.
- GENERAL CONTRACTOR SHALL OBTAIN SPECIAL INSPECTION FORMS FROM THE CITY. FORMS SHALL BE COMPLETED, SIGNED, AND RESUBMITTED PRIOR TO PERMIT ISSUE.
- THE ENGINEER HAS NOT BEEN RETAINED FOR SUPERVISION OR INSPECTIONS, BUT WILL RESOLVE IN WRITING ITEMS BROUGHT TO HIS ATTENTION. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR VERBAL INSTRUCTIONS.
- SPECIAL INSPECTION AGENCY AND ALL SPECIAL INSPECTORS SHALL BE RECOGNIZED AND APPROVED BY THE CITY BUILDING OFFICIAL AS DESCRIBED IN THE CURRENT EDITION OF THE SPECIAL INSPECTION AGENCY RECOGNITION LIST WHICH IS PUBLISHED BY THE ICC SPECIAL INSPECTION COMMITTEE.

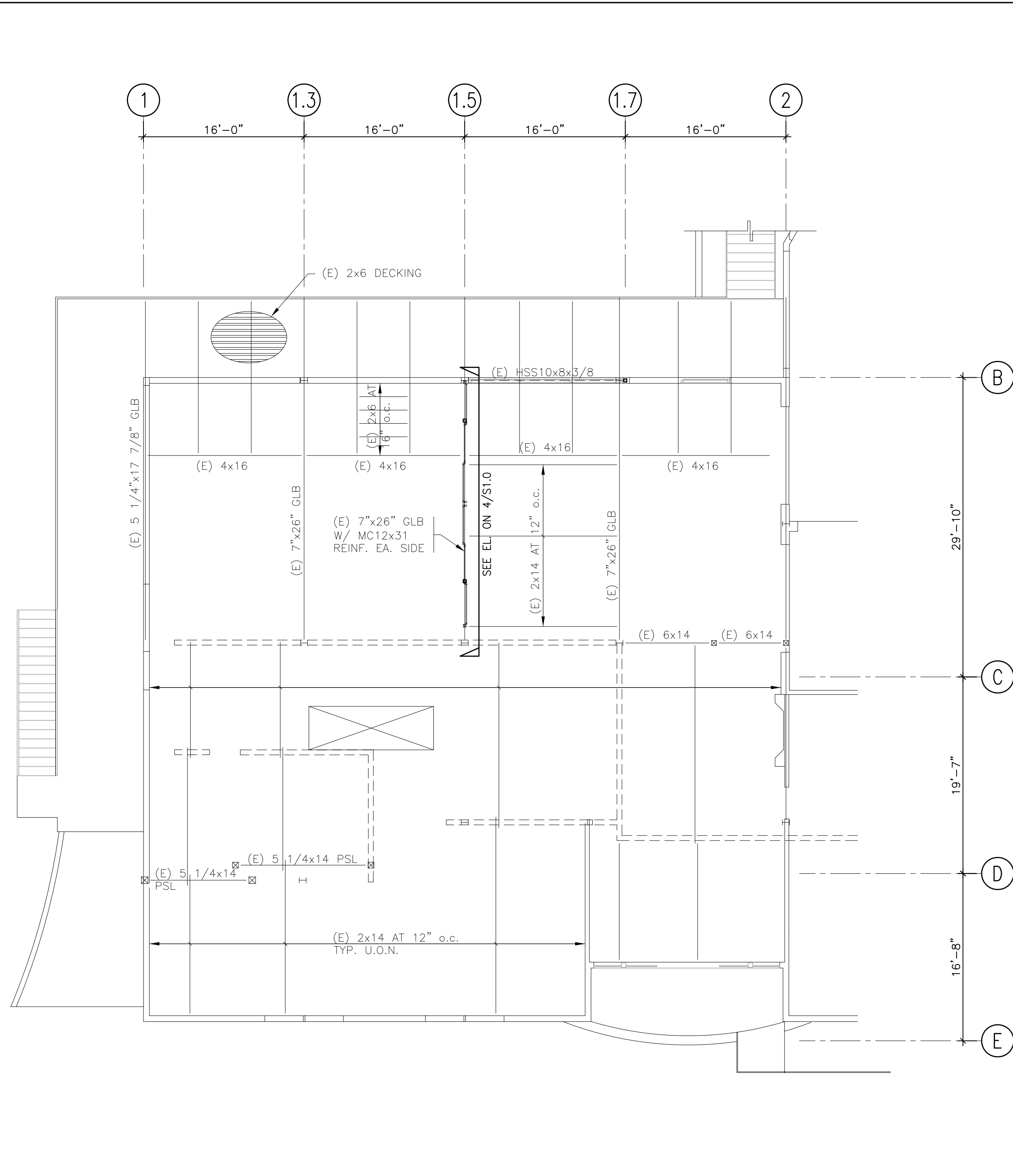
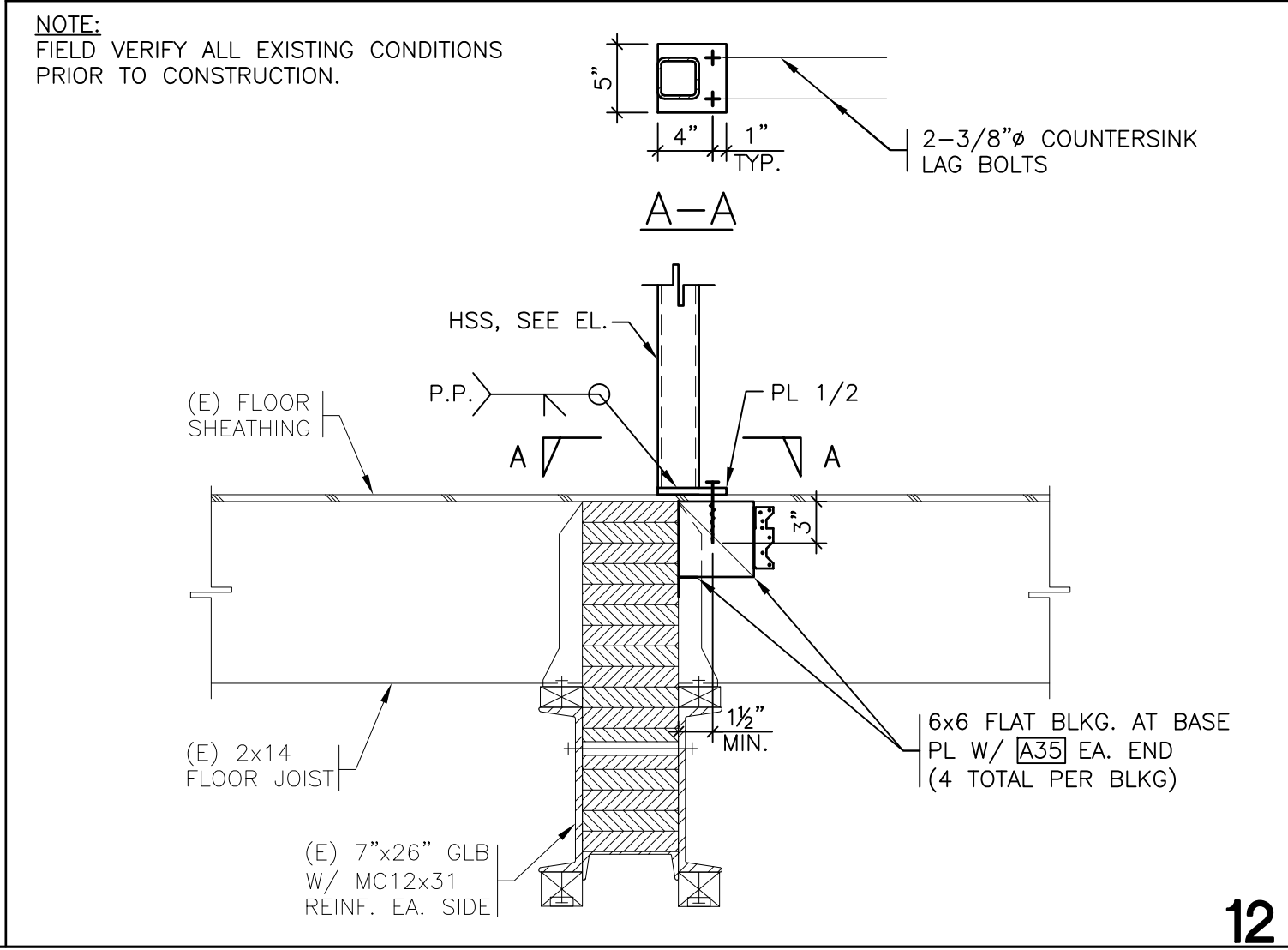
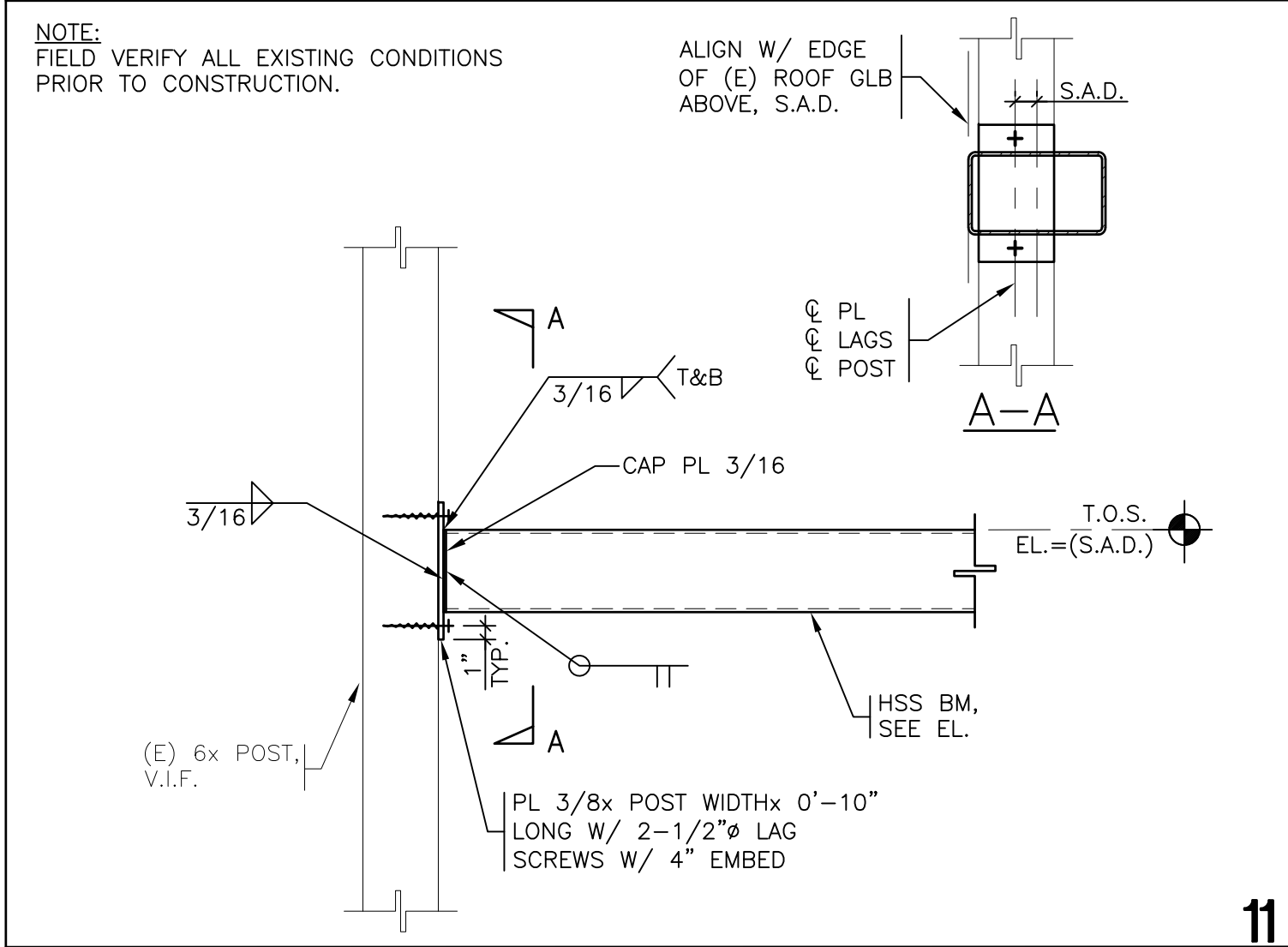
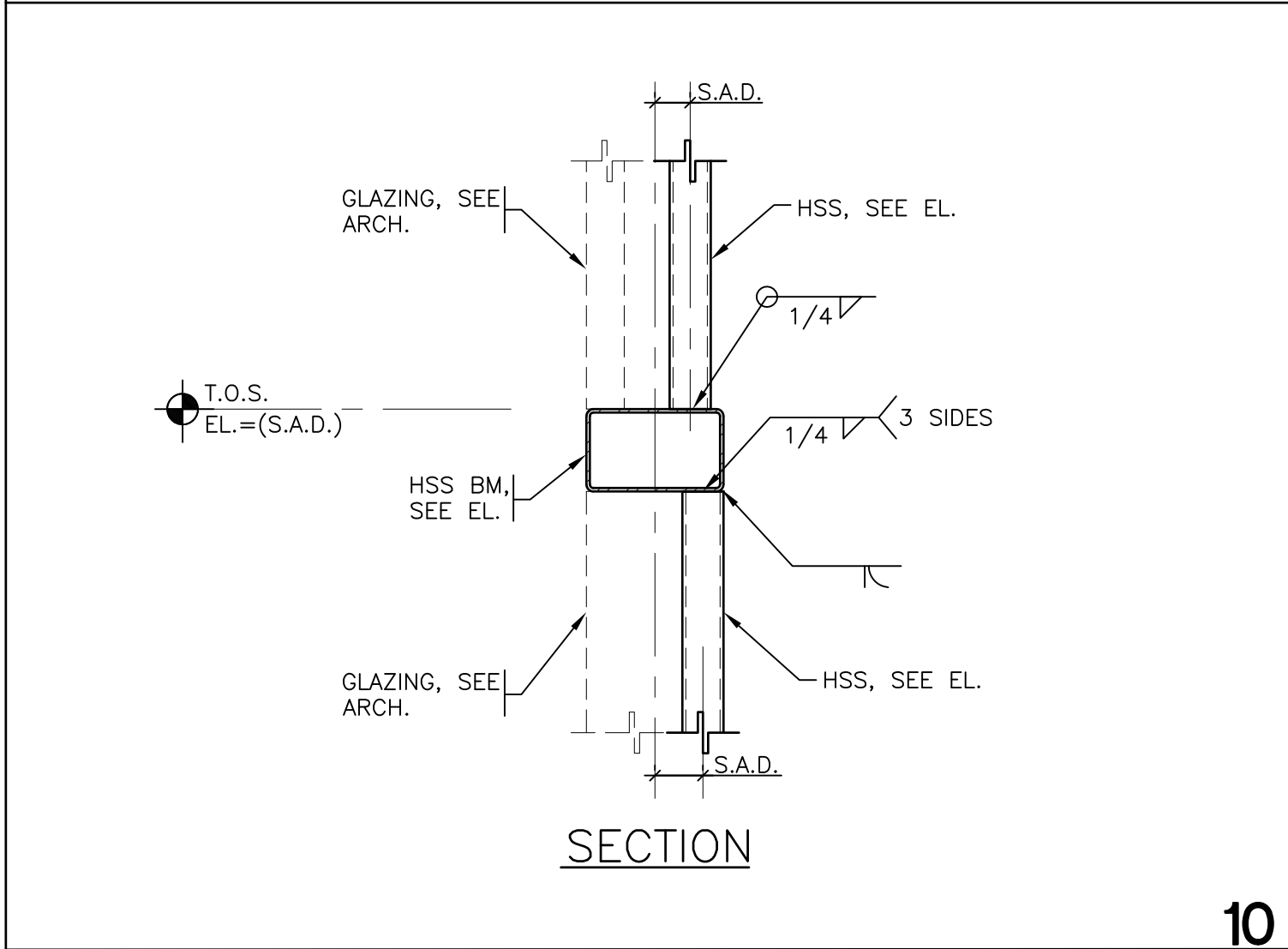
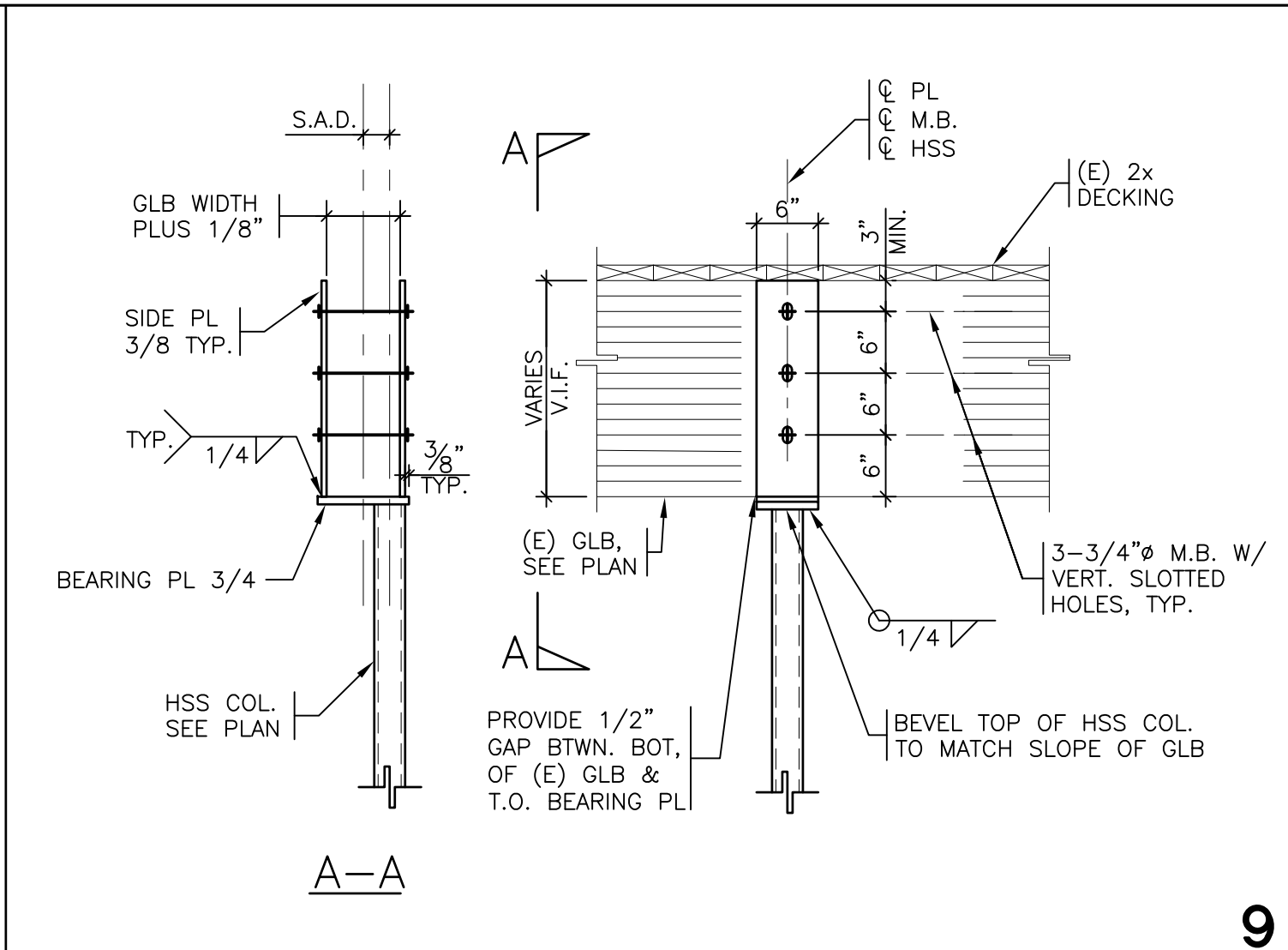
DEFERRED SUBMITTALS

- DEFERRED SUBMITTALS REQUIRING CITY APPROVAL SHALL INCLUDE DRAWINGS AND STRUCTURAL CALCULATIONS, SIGNED BY A LICENSED CALIFORNIA CIVIL OR STRUCTURAL ENGINEER. THE SUBMITTAL SHALL BE STAMPED BY THE PROJECT ENGINEER OF RECORD AS HAVING BEEN REVIEWED AND APPROVED PRIOR TO SUBMITTAL TO THE CITY. NO CONSTRUCTION ON DEFERRED ITEMS WILL BE ALLOWED WITHOUT HAVING BEEN APPROVED BY THE BUILDING DEPARTMENT. DEFERRED STRUCTURAL SUBMITTALS FOR THIS PROJECT SHALL BE AS FOLLOWS:

7.1.1	DESIGN BUILD STAIRS AND GUARDRAILS
-------	------------------------------------

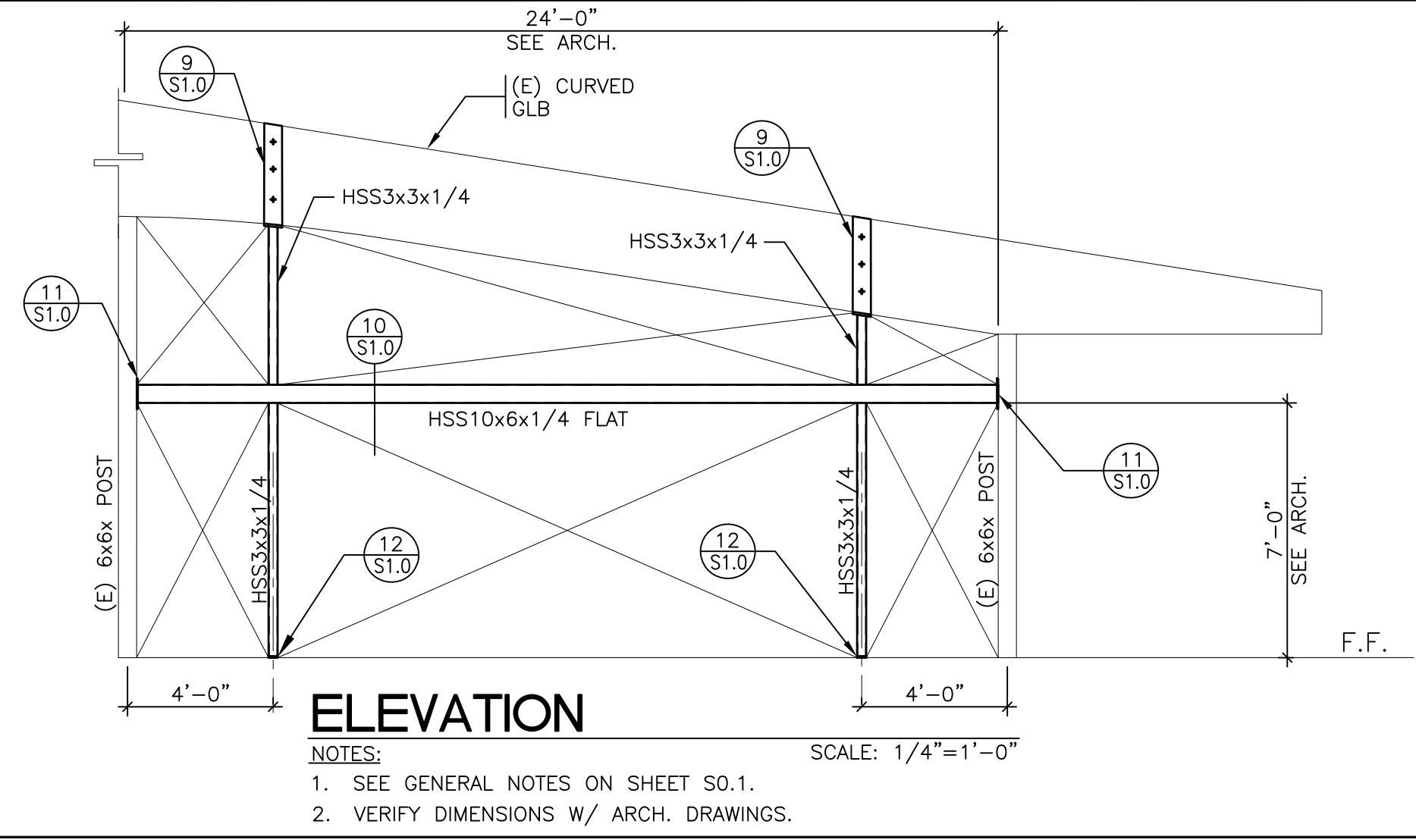
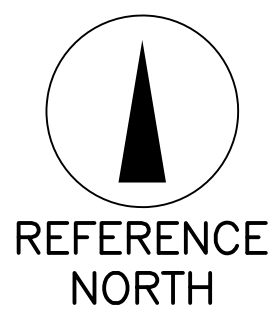
SHOP DRAWING SUBMITTALS

- APPROVAL OF SHOP DRAWINGS MEANS APPROVAL OF GENERAL FABRICATION ONLY. DIMENSIONS AND QUANTITIES MAY NOT BE CHECKED, AND APPROVAL OF SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS UNLESS SPECIFICALLY SO INDICATED IN THE APPROVAL.
- SHOP DRAWING SUBMITTALS SHALL BE STAMPED BY THE PROJECT ENGINEER OF RECORD AS HAVING BEEN REVIEWED/APPROVED PRIOR TO



PARTIAL FLOOR FRAMING PLAN

NOTES:
1. SEE GENERAL NOTES ON SHEET S0.1.
2. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.



ELEVATION

NOTES:
1. SEE GENERAL NOTES ON SHEET S0.1.
2. VERIFY DIMENSIONS W/ ARCH. DRAWINGS.

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15571 ALUM ROCK AVE SAN JOSE CA

Job Number
5179.01
Date
05/03/2021
Drawn
JL
Sheet Title
PLANS AND DETAILS

Scale
SEE PLAN

Revisions

1. THIS SHEET IS PART OF A SET AND IS NOT TO BE USED ALONE.
2. THIS SHEET IS NOT TO BE USED FOR CONSTRUCTION UNLESS THE ARCHITECT'S STAMP AND SIGNATURE APPEAR ON THE DRAWINGS HAVE BEEN RELEASED FOR CONSTRUCTION.
3. THESE PLANS ARE PREPARED PURSUANT TO THE PROFESSIONAL SERVICES AGREEMENT BETWEEN THE ARCHITECT AND THE CLIENT. THESE PLANS ARE NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT.
4. THESE PLANS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS THE ARCHITECT'S STAMP AND SIGNATURE APPEAR ON THE DRAWINGS HAVE BEEN RELEASED FOR CONSTRUCTION.

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S1.0

CALGREEN NEW CONSTRUCTION MANDATORY MEASURES

MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

5.408.1 CONSTRUCTION WASTE MANAGEMENT, RECYCLE AND/OR REUSE OF A MINIMUM OF 50% OF NONHAZARDOUS CONSTRUCTION AND DEMOLITION WASTE IN ACCORDANCE WITH THE SECTION 5.408.1.1, 5.408.1.2, OR 5.408.1.3, OR MEET A LOCAL CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT ORDINANCE, WHICHEVER IS GREATER.

5.408.1.1 CONSTRUCTION WASTE MANAGEMENT PLAN, THE CONSTRUCTION WASTE MANAGEMENT PLAN SHALL CONTAIN THE FOLLOWING INFORMATION ABOUT THE DEMOLITION AND CONSTRUCTION WASTE MATERIAL: WHERE THE WASTE WILL BE TAKEN, HOW THE AMOUNT OF WASTE WILL BE MEASURED, HOW THE WASTE WILL BE DIVERTED FROM DISPOSAL AND THE METHOD IN WHICH THE WASTE MATERIAL WILL BE SORTED.

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 LANDFILL COMPLIES WITH STANDARD 5.408.1.

5.408.1.3 WASTE STREAM REDUCTION ALTERNATIVE, THE COMBINED WEIGHT OF NEW CONSTRUCTION DISPOSAL DOES NOT EXCEED 2 LBS/SQFT OF THE BUILDING.

5.408.1.4 DOCUMENTATION, DOCUMENTATION DEMONSTRATING THE COMPLIANCE OF STANDARD 5.408.1 SHALL BE PROVIDED TO THE ENFORCING AGENCY.

BUILDING MAINTENANCE AND OPERATION

5.410.2 COMMISSIONING, COMMISSIONING REQUIREMENTS SHALL INCLUDE THE ITEMS LISTED IN SECTION 5.401.2 FOR BUILDINGS 10,000 SQFT AND OVER.

5.410.2.1 OWNER'S PROJECT REQUIREMENTS (OPR), THE OPR SHALL CONTAIN THE EXPECTATIONS AND REQUIREMENTS OF THE BUILDING BEFORE THE DESIGN PHASE OF THE PROJECT BEGINS AND SHALL INCLUDE THE ITEMS LISTED IN SECTION 5.410.2.1

5.410.2.2 BASIS OF DESIGN (BOD), THE BOD EXPLAINS HOW THE BUILDING SYSTEM WILL MEET OPR SPECIFICATIONS AND SHALL INCLUDE THE ITEMS LISTED IN SECTION 5.410.2.2

5.410.2.3 COMMISSIONING PLAN, COMPLETED PRIOR TO PERMIT ISSUE, IT SHALL DOCUMENT HOW THE PROJECT WILL BE COMMISSIONED AND INCLUDE THE ITEMS LISTED IN 5.410.1.3.

5.410.2.4 FUNCTIONAL PERFORMANCE TESTING, DEMONSTRATE THE CORRECT INSTALLATION AND OPERATION OF EACH COMPONENT, SYSTEM-TO-SYSTEM INTERFACE IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.

5.410.2.5 DOCUMENTATION AND TRAINING, A SYSTEM MANUAL SHALL BE PROVIDED CONTAINING OPERATION ASPECTS OF THE BUILDING AND THE ITEMS LISTED IN SECTION 5.410.2.5.1, A SYSTEMS OPERATIONS TRAINING PROGRAM SHALL BE PROVIDED TO THE MAINTENANCE STAFF FOR EACH EQUIPMENT AND/OR SYSTEM AND WILL INCLUDE THE ITEMS IN SECTION 5.410.2.5.2.

5.410.2.6 COMMISSIONING REPORT, THE COMMISSIONING REPORT SHALL CONTAIN PROCESSES OF ACTIVITIES THROUGHOUT THE DESIGN AND CONSTRUCTION PHASES.

5.410.4 TESTING AND ADJUSTING, TESTING AND ADJUSTING SHALL BE PROVIDED FOR BUILDINGS UNDER 10,000 SQFT AND NEW SYSTEMS TO SERVE IN AN ADDITION OR ALTERATION TO SECTION 303.1.

5.410.4.2 SYSTEMS, A WRITTEN PLAN OF PROCEDURES FOR TESTING AND ADJUSTING SYSTEMS, IT SHALL INCLUDE THE ITEMS LISTED IN 5.410.2.

5.410.4.3 PROCEDURES, PERFORM TESTING AND ADJUSTING PROCEDURES IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. THE HVAC SYSTEMS SHALL BE BALANCED IN ACCORDANCE TO THE ENFORCING AGENCY.

5.410.4.4 REPORTING, A FINAL REPORT OF TESTING SHALL BE SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES.

5.410.4.5 OPERATION AND MAINTENANCE (O&M) MANUAL, PROVIDE THE BUILDING OWNER WITH DETAILED OPERATING AND MAINTENANCE INSTRUCTIONS, AND COPIES OF GUARANTIES/WARRANTIES FOR EACH SYSTEM, INCLUDE A COPY OF ALL INSPECTION VERIFICATIONS AND REPORTS REQUIRED BY THE ENFORCING AGENCY.

POLLUTANT CONTROL

5.404.1.3 TEMPORARY VENTILATION, IF HVAC SYSTEM IS USED DURING CONSTRUCTION USE MERV 8 AIR FILTERS OR AIR FILTERS WITH AN AVERAGE OF 30% BASED ON ASHRAE 52.1-1992. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY.

5.404.3 COVERING ALL DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT, ALL DUCT AND OTHER AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH METHODS ACCEPTABLE TO THE ENFORCING AGENCY DURING STORAGE AND ROUGH INSTALLATION ON THE CONSTRUCTION SITE UNTIL FINAL STARTUP OF HVAC EQUIPMENT.

5.504.4.1 ADHESIVES, SEALANTS AND CAULKS, ADHESIVES, SEALANTS, AND CAULKS SHALL FOLLOW VOC LIMITS SHOWN IN TABLE 5.504.4.2 AND 5.504.4.3, OR LOCAL OR REGIONAL AIR POLLUTION CONTROL OR AIR QUALITY DISTRICT RULES, AEROSOL ADHESIVES AND ADHESIVES, SEALANTS OR CAULKING WEIGHING NO MORE THAN A POUND AND DO NOT CONSIST MORE THAN 1.6OZ SHALL COMPLY WITH VOC STANDARDS AND CALIFORNIA CODE OF REGULATIONS, TITLE 17.

5.504.4.3 PAINTS AND COATINGS, ARCHITECTURAL PAINTS AND COATINGS SHALL COMPLY WITH VOC LIMITS IN TABLE 5.504.4.4, UNLESS MORE STRINGENT LOCAL LIMITS APPLY.

5.504.5.3 FILTERS, MERV 8 FILTERS OR BETTER MUST BE INSTALLED IN ALL MECHANICALLY VENTILATED BUILDINGS PRIOR TO OCCUPANCY.

INDOOR MOISTURE CONTROL

5.505.1 INDOOR MOISTURE CONTROL, BUILDINGS SHALL MEET OR EXCEED THE PROVISIONS OF CALIFORNIA BUILDING CODE, CCB, TITLE 24, PART 2 SECTIONS 1203 AND CHAPTER 14.

INDOOR AIR QUALITY

5.506.1 OUTSIDE AIR DELIVERY, FOR ALL VENTILATED SPACES IN BUILDINGS, MEET THE REQUIREMENTS OF SECTION 120.1 OF THE 2016 CALIFORNIA ENERGY CODE, OR THE APPLICABLE LOCAL CODE, WHICHEVER IS MORE STRINGENT, AND DIVISION 1, CHAPTER 4 OF CCB, TITLE 8.

5.506.2 CARBON DIOXIDE (CO2) MONITORING, CO2 SENSORS AND VENTILATION CONTROLS SHALL BE SPECIFIED AND INSTALLED IN ACCORDANCE WITH THE 2013 CALIFORNIA ENERGY CODE, SECTION 120(C)(4).

OUTDOOR AIR QUALITY

5.508.1.1 CHLOROFLUOROCARBONS (CFCs), INSTALL HVAC REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT THAT DO NOT CONTAIN CFCs.

5.508.1.2 HALONS, INSTALL HVAC REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT THAT DO NOT CONTAIN HALONS.

ABBREVIATIONS

AAV	AUTOMATIC AIR VENT	MBH	THOUSAND BTU PER HOUR
AD	ACCESS DOOR	MCA	MINIMUM CIRCUIT AMPS
AFF	ABOVE FINISHED FLOOR	MD	MOTORIZED CONTROL DAMPER
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	MERV	MINIMUM EFFICIENCY REPORTING VALUE
AL	ACOUSTICAL LINER	MFR	MANUFACTURER
		MFS	MAXIMUM FUSE SIZE
BDD	BACKDRAFT DAMPER	MIN	MINIMUM
BFP	BACK FLOW PREVENTER	MOC	MAXIMUM OVERCURRENT PROTECTION
BHP	BRAKE HORSEPOWER	MVD	MANUAL VOLUME DAMPER
BMS	BUILDING MANAGEMENT SYSTEM		
BOD	BOTTOM OF DUCT	(N)	NEW
BOP	BOTTOM OF PIPE	NC	NORMALLY CLOSED
BTU	BRITISH THERMAL UNIT	NFA	NET FREE AREA
BTU/H	BTU PER HOUR	NFO	NORMALLY OPEN
		NPLV	NON-STANDARD PART LOAD VALUE
		NIS	NOT TO SCALE
CAP	CAPACITY	OA	OUTSIDE AIR
CAV	CONSTANT AIR VOLUME	OADB	OUTSIDE AIR DRY BULB TEMPERATURE
CFM	CAP FOR FUTURE	OAWB	OUTSIDE AIR WET BULB TEMPERATURE
CLG	CUBIC FEET PER MINUTE	OC	OCCUPIED
CO	CLEAN OUT		
CO2	CARBON MONOXIDE	PD	PRESSURE DROP
COP	COEFFICIENT OF PERFORMANCE	POC	POINT OF CONNECTION
CTE	CONNECT TO EXISTING	POU	POINT OF USE
		PSI	POUNDS PER SQUARE INCH
		PSIG	POUNDS PER SQUARE INCH (GAUGE)
DA	DRY BULB	QTY	QUANTITY
DN	DIAMETER		
DX	DIRECT EXPANSION	(RL)	RELOCATED
		RA	RETURN AIR
(E)	EXISTING	RA	RETURN AIR OPENING
EA	EXHAUST AIR	RH	RELATIVE HUMIDITY
EAT	ENTERING AIR TEMPERATURE	RPM	REVOLUTIONS PER MINUTE
EER	ENERGY EFFICIENCY RATIO		
EFF	EFFICIENCY	SA	SUPPLY AIR
ESP	EXTERNAL STATIC PRESSURE	SEER	SEASONAL ENERGY EFFICIENCY RATIO
EWB	ENTERING WET BULB TEMPERATURE	SENS	SENSIBLE
EWI	ENTERING WATER TEMPERATURE	SM	SHEET METAL
		SS	STATIC PRESSURE
(F)	FUTURE	ST	STAINLESS STEEL
FC	FLEXIBLE CONNECTION		
FD	FIRE DAMPER	TSP	TOTAL STATIC PRESSURE
FSD	FIRE/SMOKE DAMPER	TYP	TYPICAL
FF	FINISHED FLOOR		
FLA	FULL LOAD AMPS	U.N.O.	UNLESS NOTED OTHERWISE
FLR	FLOOR	V	VOLTS
FPI	FPM PER INCH	VAV	VARIABLE AIR VOLUME
FPM	FEET PER MINUTE	VTD	VARIABLE FREQUENCY DRIVE
FT	FEET		
FT2	SQUARE FEET		
		W/	WITH
GND	GROUND	WB	WET BULB
GPM	GALLONS PER MINUTE	WC	WATER COLUMN
HP	HORSEPOWER	WPD	WATER PRESSURE DROP (FT OF H2O)
HR	HOUR		
		ZD	ZONE DAMPER
IAQ	INDOOR AIR QUALITY		
ID	INSIDE DIMENSIONS		
IN	INCHES		
IN WC	INCHES WATER COLUMN		
IPLV	INTEGRATED PART LOAD VALUE		
KW	KILOWATTS		
KWH	KILOWATT HOURS		
LAT	LEAVING AIR TEMPERATURE		
LBS	POUNDS		
LWB	LEAVING WET BULB TEMPERATURE		
LWT	LEAVING WATER TEMPERATURE		
MAT	MIXED AIR TEMPERATURE		
MAX	MAXIMUM		

DRAFTING SYMBOLS

	NORTH ARROW
	SECTION REFERENCE
	DETAIL REFERENCE
	SHEET NOTE REFERENCE TAG
	EQUIPMENT TAG
	AIR DISTRIBUTION DEVICE TAG
	POINT OF CONNECTION
	POINT OF DISCONNECTION
	REVISION CLOUD WITH IDENTIFIER

HVAC SYMBOLS

	SUPPLY AIR DIFFUSER
	RETURN AIR GRILLE
	EXHAUST AIR GRILLE
	DIFFUSER THROW, 3-WAY INDICATED
	SIDEWALL SUPPLY AIR DIFFUSER
	SIDEWALL RETURN AIR GRILLE
	REGISTER TAG (REGISTER CFM)
	SUPPLY DUCT RISER
	RETURN DUCT RISER
	ROUND DUCT RISER
	DUCT, WIDTH X DEPTH (PLAN VIEW)
	DUCT, DIAMETER (PLAN VIEW) - HARD SPIRAL
	NEW DUCT (DARK)
	ACOUSTICAL LINED DUCT, DIMENSIONS ARE NET INSIDE
	EXISTING DUCT (LIGHT)
	RELOCATE DUCT
	SUPPLY DUCT
	RETURN DUCT
	EXHAUST DUCT
	DEMOLITION INDICATED BY X'S
	SQUARE TO ROUND DUCT TRANSITION
	RECTANGULAR DUCT ELBOW WITH TURNING VANES
	ROUND DUCT ELBOW
	RECTANGULAR DUCT ELBOW WITH FULL RADIUS TURNING VANES
	SINGLE INLET VAV BOX WITH SQUARE TO ROUND
	SINGLE INLET VAV BOX WITH HEATING COIL
	DOUBLE DUCT INLET VAV BOX WITH SQUARE TO ROUND
	VAV BOX WITH SOUND PLENUM
	FAN COIL UNIT
	MANUAL VOLUME DAMPER (MVD)
	MOTORIZED CONTROL DAMPER
	BACK DRAFT DAMPER
	FIRE DAMPER
	COMBINATION FIRE/SMOKE DAMPER
	ZONE DAMPER
	THERMOSTAT (WITH ID TAG)
	HUMIDITY SENSOR
	CARBON MONOXIDE SENSOR
	CARBON DIOXIDE SENSOR
	PRESSURE SENSOR
	DIFFERENTIAL PRESSURE SENSOR

PIPING SYMBOLS

	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	CODDENSATE DRAIN (COILS)
	GAS (NATURAL)
	HEATING HOT WATER SUPPLY
	HEATING HOT WATER RETURN
	CODDENSER WATER SUPPLY
	CODDENSER WATER RETURN
	DODDENTIC COLD WATER
	SANITARY WASTE
	VENT
	STORM DRAIN
	COMPRESSED AIR
	WET/DRY CLEANING VACUUM (5" HG. NOM.)
	SLOPE LINE DOWN IN DIRECTION OF ARROW
	PIPE ANCHOR
	ALIGNMENT GUIDE
	STRAINER W/LOW DOWN
	BASKET STRAINER
	FLEX CONNECTION
	PIPPING REDUCER
	UNION
	MANUAL AIR VENT
	AUTOMATIC AIR VENT
	SENSOR WELL
	PRESSURE/TEMPERATURE PORT
	THERMOMETER
	PRESSURE GAUGE
	SUCTION DIFFUSER
	FLOW SWITCH
	FLOW METER
	PLUG VALVE
	SOLENOID VALVE
	BUTTERFLY VALVE
	TEMPERATURE CONTROL VALVE
	DIAPHRAGM VALVE
	QUICK CLOSE VALVE
	GATE VALVE
	GLOBE VALVE
	BALL VALVE
	TEMPERATURE/PRESSURE RELIEF VALVE
	NEEDLE VALVE
	CHECK VALVE
	BALANCE VALVE
	TRIPLE DUTY VALVE (CHECK, BALANCE, ISOLATION VALVE)
	PRESSURE REDUCING VALVE
	PNEUMATIC OPERATOR
	ELECTRIC MOTOR OPERATOR
	OUTSIDE SCREW & YOKE GATE VALVE
	FLOAT CONTROLLED VALVE

SHEET INDEX

M0.01	MECHANICAL SYMBOLS & ABBREVIATIONS
M1.01	MAIN FLOOR MECHANICAL PLAN
M7.01	MECHANICAL TITLE 24

SHEET NUMBERING KEY

X X . X X X
↑ ↑ ↑ ↑
AREA DESIGNATOR (IF REQUIRED)
FLOOR LEVEL (PLANS), CONSECUTIVE NUMBER (NON-PLAN SHEETS)
CONSECUTIVE NUMBER (NON-PLAN SHEETS)
TYPE DESIGNATOR (PLANS, SECTIONS, DETAILS, ETC.)
DISCIPLINE (MECHANICAL, PLUMBING, ETC.)

DISCIPLINE LEGEND	SHEET TYPE LEGEND	AREA LEGEND
M: MECHANICAL MP: MECHANICAL PIPING E: ELECTRICAL P: PLUMBING S: STRUCTURAL XD: DEMO	0: GENERAL / SCHEDULES 1: FLOOR PLANS 2: ELEVATIONS 3: SECTIONS 4: ENLARGED PLANS 5: DETAILS 6: CONTROL DIAGRAMS 7: TITLE 24	A,B,C, etc. (SEE KEY PLAN)

SCOPE OF WORK

PROVIDE NEW AIR CURTAIN FOR TENANT IMPROVEMENT OF EXISTING TWO STORY BUILDING.

GENERAL NOTES

- ALL INSTALLATIONS SHALL COMPLY WITH THE CURRENT EDITION OF THE CALIFORNIA MECHANICAL CODE, CALIFORNIA ENERGY CODE, CALIFORNIA TITLE 24, AND LOCAL MUNICIPAL CODES.
- ALL MATERIAL EXPOSED WITHIN THE DUCT OR PLENUM, OR APPLIED TO THE EXTERIOR OF THE DUCTS, SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPMENT RATING OF NOT MORE THAN 50 PER CMC SECTION 602.2 AND 604.
- ALL EQUIPMENT SHALL BE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY AND PROPERLY LABELED PER CEC SECTION 110.2.
- ALL DUCTS SHALL BE CONSTRUCTED AND INSTALLED PER CMC SECTION 602. ALL EXPOSED DUCTS SHALL BE GALVANIZED STEEL 24 GAUGE OR THICKER, ALL FLEXIBLE DUCT IS INSULATED WIRE FLEX.
- FACTORY MADE AIR DUCTS, IF USED, SHALL BE LISTED CLASS 0 OR CLASS 1 AIR DUCTS.
- ALL COMBINATION FIRE/SMOKE DAMPERS SHALL BE LISTED UL 555 1-1/2 HOUR RATED FOR USE IN 1 HOUR AND 2 HOUR PARTITIONS. INSTALLATION MANUAL FOR THE COMBINATION FIRE/SMOKE DAMPERS SHALL BE AVAILABLE IF REQUESTED BY THE CITY INSPECTOR AT THE JOB SITE.
- RETURN AIR FILTERS WITH A MERV8 VALUE SHALL USED DURING CONSTRUCTION IF THE PERMANENT HVAC SYSTEMS SHALL BE USED FOR VENTILATION DURING CONSTRUCTION. REPLACE THE FILTERS IMMEDIATELY PRIOR TO OCCUPANCY PER 2019 CALGREEN CODE SECTION 5.504.1.3.
- ALL DUCT DIMENSIONS INDICATED ON DRAWINGS ARE NET CLEAR INSIDE DIMENSIONS.
- PROVIDE MANUAL DAMPERS AT ALL DUCT BRANCH TAKEOFFS TO A SINGLE OUTLET OR INLET.
- ALL THERMOSTATS SHALL BE LOCATED AT 48" ABOVE FINISHED FLOOR AND COMPLY WITH ADA REQUIREMENTS.



SAN JOSE COUNTRY CLUB
15571 ALUM ROCK AVE SAN JOSE CA

Job Number
21-0026
Date
06/09/2021
Drawn
C2C
Sheet Title
MAIN FLOOR
MECHANICAL PLAN

Scale
AS DISPLAYED

Revisions

1. THIS SHEET IS PART OF A SET AND IS NOT TO BE USED ALONE.
2. THIS SHEET IS NOT TO BE USED FOR CONSTRUCTION UNLESS THE ARCHITECT HAS REVIEWED AND APPROVED THE DRAWINGS HAVE BEEN RELEASED FOR CONSTRUCTION.
3. THESE PLANS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE, ARE OWNED BY THE ARCHITECT AND ARE FOR USE ON THIS PROJECT ONLY. REPRODUCTION AND DISTRIBUTION WITHOUT PRIOR WRITTEN CONSENT FROM THE ARCHITECT IS FORBIDDEN.

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STATE OF CALIFORNIA

Mechanical Systems

NRCC-MCH-E (Created 09/2020)

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

Project Name: San Jose Country Club

Project Address: 15571 Alum Rock Ave

Report Page: Page 7 of 8

Date Prepared: 2021-06-09

Q. MANDATORY MEASURES DOCUMENTATION LOCATION

Table Instructions: Indicate where mandatory measures are documented in the plan set or construction documentation. For any mandatory measures that do not apply, mark the plan sheet or construction document location as "N/A", any active cells that are left blank will result in non-compliance in Table C.

01	02
Compliance with Mandatory Measures documented through MCH Mandatory Measures Note Block:	Plan sheet or construction document location
03	04
Mandatory Measure	Plan sheet or construction document location
Heating Equipment Efficiency per §110.1	N/A
Cooling Equipment Efficiency per §110.1	N/A
Furnace Standby Loss Control per §110.2(d)	N/A
Duct Insulation per §120.4	N/A
Heating Hot Water Equipment Efficiency per §110.1	N/A
Cooling Chilled and Condenser Water Equipment Efficiency per §110.1	N/A
Open and Closed Circuit Cooling Towers conductivity of flow-based controls per §110.2(e)1	N/A
Open and Closed Circuit Cooling Towers Flow Meter with analog output per §110.2(e)3	N/A
Open and Closed Circuit Cooling Towers Overflow Alarm per §110.2(b)4	N/A
Open and Closed Circuit Cooling Towers Efficient Drift Eliminators per §110.2(e)5	N/A
Pipe Insulation per §120.3(b)	N/A
Combustion air shutoff, combustion air fan controls and stack design and controls for boilers per §120.9	N/A
Heat Pump with Supplementary Electric Resistance Heater Controls per §110.2(b)	N/A
The air duct and plenum system is designed per §120.4(a)-(f)	N/A
Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2	N/A

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

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O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/

YES	NO	Form/Title	Systems To Be Field Verified	Field Inspector	
				Pass	Fail
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-MCH-02-A Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap.		<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-MCH-03-A Constant Volume Single Zone HVAC NOTE: This form does not automatically move to "Yes". If Constant Volume Single Zone HVAC Systems are included in the scope, permit applicant should move this form to "Yes".		<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-MCH-04-A Air Distribution Duct Leakage		<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-MCH-05-A Air Economizer Controls		<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-MCH-06-A Demand Control Ventilation Systems Acceptance must be submitted for all systems required to employ demand controlled ventilation (refer to §120.1(c)3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.		<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-MCH-07-A Supply Fan Variable Flow Controls		<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-MCH-08-A Valve Leakage Test		<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-MCH-09-A Supply Water Temperature Reset Controls		<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-MCH-10-A Hydronic System Variable Flow Controls		<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-MCH-11-A Automatic Demand Shed Controls		<input type="checkbox"/>	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

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Mechanical Systems

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CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

Project Name: San Jose Country Club

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Date Prepared: 2021-06-09

A. GENERAL INFORMATION

Table Instructions: This document is used to demonstrate compliance for mechanical systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.4, or §141.0(b)2 for alterations.

01 Project Location (city)	San Jose	04 Total Conditioned Floor Area	25,000
02 Climate Zone	4	05 Total Unconditioned Floor Area	0
03 Occupancy Types Within Project:		06 # of Stories (Habitable Above Grade)	2
<input type="checkbox"/> Office (B)	<input type="checkbox"/> Retail (M)	<input type="checkbox"/> Non-refrigerated Warehouse (S)	
<input type="checkbox"/> Hotel/ Motel Guest Rooms (R-1)	<input type="checkbox"/> School (E)	<input type="checkbox"/> Healthcare Facility (I)	
<input type="checkbox"/> High-Rise Residential (R-2/R-3)	<input type="checkbox"/> Relocatable Class Bldg (E)	<input checked="" type="checkbox"/> Other (Write in): Dining Room	

¹ FOOTNOTES: Climate zone can be determined on the California Energy Commission's website at http://www.energy.ca.gov/maps/renewable/building_climate_zones.html

B. PROJECT SCOPE

Table Instructions: Include any mechanical systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.4, or §141.0(b)2 for alterations.

My project consists of (check all that apply)

01	02	03
01 Heating Air System(s)	02 Wet System Components	03 Dry System Components
<input type="checkbox"/> Heating Air System	<input type="checkbox"/> Water Economizer	<input type="checkbox"/> Air Economizer
<input type="checkbox"/> Cooling Air System	<input type="checkbox"/> Pumps	<input type="checkbox"/> Electric Resistance Heat
<input type="checkbox"/> Mechanical Controls	<input type="checkbox"/> Hydronic System Piping	<input checked="" type="checkbox"/> Fan Systems
<input type="checkbox"/> Mechanical Controls (existing to remain, altered or new)	<input type="checkbox"/> Cooling Towers	<input type="checkbox"/> Ductwork (existing to remain, altered or new)
	<input type="checkbox"/> Chillers	<input type="checkbox"/> Ventilation
	<input type="checkbox"/> Boilers	<input type="checkbox"/> Zonal Systems/ Terminal Boxes

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

01	02	03	04	05	06	07	08	09
System Summary	Pumps	Fans/Economizers	System Controls	Ventilation	Terminal Box Controls	Distribution	Cooling Towers	Compliance Results
§110.1, §110.2, §140.4	§140.4(c)	§110.2, §120.2, §140.4(e)	§110.2, §140.4(c), §120.2, §140.4(e)	§120.1	§140.4(d)	§120.3, §140.4(f)	§110.2(e)2	
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	(See Table M)	
AND	AND	Yes	AND	AND	AND	AND	AND	COMPLIES
Mandatory Measures Compliance (See Table Q for Details)								COMPLIES

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards/>

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STATE OF CALIFORNIA

Mechanical Systems

NRCC-MCH-E (Created 09/2020)

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

Project Name: San Jose Country Club

Project Address: 15571 Alum Rock Ave

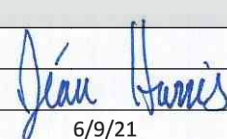
Report Page: Page 8 of 8

Date Prepared: 2021-06-09

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Jean Harris

Documentation Author Signature: 

Company: C2C Engineering

Signature Date: 6/9/21

Address: 4046 Golf Dr

CEA/ HERS Certification Identification (if applicable):

City/State/Zip: San Jose, CA 95127

Phone: (408) 770-2317

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

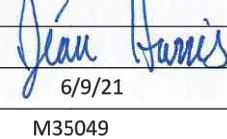
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Jean Harris

Responsible Designer Signature: 

Company: C2C Engineering

Date Signed: 6/9/21

Address: 4046 Golf Dr

License: M3049

City/State/Zip: San Jose, CA 95127

Phone: (408) 931-7306

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

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Mechanical Systems

NRCC-MCH-E (Created 09/2020)

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CERTIFICATE OF COMPLIANCE

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Date Prepared: 2021-06-09

<input type="radio"/>	<input checked="" type="radio"/>	NRCA-MCH-12-A FDD for Packaged Direct Expansion Units		<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance		<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-MCH-14-A Distributed Energy Storage DX AC Systems Acceptance NOTE: This form does not automatically move to "Yes". If Distributed Energy Storage DX AC Systems are included in the scope, permit applicant should move this form to "Yes".		<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-MCH-15-A Thermal Energy Storage (TES) System Acceptance NOTE: This form does not automatically move to "Yes". If Chilled Water Storage, Ice-on-Coil Internal Melt, Ice-on-Coil External Melt, Ice Harvester, Brine, Ice Slurry, Eutectic Salt, Clostrate Hydrate Slurry (CHS), Cryogenic or Encapsulated (Ice Ball) Systems are included in the scope, permit applicant should move this form to "Yes".		<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-MCH-16-A Supply Air Temperature Reset Controls		<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-MCH-17-A Condenser Water Temperature Reset Controls		<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-MCH-18 Energy Management Control Systems		<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-MCH-19 Occupancy Sensor Controls		<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-MCH-20 Multi-Family Ventilation		<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-MCH-21 Multi-Family Envelope Leakage		<input type="checkbox"/>	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

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STATE OF CALIFORNIA

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D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table H indicates a Fan Power System Index that exceeds the maximum allowed per §140.4(c). Please revise to demonstrate compliance.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

This Section Does Not Apply

G. PUMPS

This Section Does Not Apply

H. FAN SYSTEMS & AIR ECONOMIZERS

Table Instructions: Complete the following Table for fan systems to demonstrate compliance with prescriptive requirements found in §140.4(c), §140.4(e), and §140.4(m). First document the system details, then add fans within that system to document compliance with fan power requirements. Fan systems serving only process loads are exempt from these requirements and do not need to be included in Table H.

System Name:	AC-1	Economizer: ¹	NA: ≤ 54 kBTU/h cooling	Economizer Controls:	System Fan Type:	Variable Air Volume	
01	02	03	04	05	06	07	08
Fan Name or Item Tag	Fan Function	Qty	Maximum Design Supply Airflow (CFM)	HP Unit ²	Design HP	Fan Power Pressure Drop Adjustment - Table 140.4-B	
						Device	Design Airflow through Device (CFM)
AC-1	Other (Transfer, VAV box)	2	1,200	Nameplate HP	0.167	Calculated Adjustment (in H ₂ O)	
Total System Design Supply Airflow (CFM):		2,400	Total System Design (B)HP:		0.33	Maximum System Fan Power (B)HP:	

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

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CALIFORNIA ENERGY COMMISSION

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P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be completed by a HERS Rater and provided to the building inspector during construction. The final documents must be created by a HERS Providers registry, but drafts can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCV/

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
<input type="radio"/>	<input checked="" type="radio"/>	NRCV-MCH-04-H Duct Leakage Test NOTE: Must be completed by a HERS Rater	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCV-MCH-24 Enclosure Air Leakage Worksheet NOTE: Must be completed by a HERS Rater	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCV-MCH-27 High-rise Residential NOTE: Must be completed by a HERS Rater	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCV-MCH-32 Local Mechanical Exhaust NOTE: Must be completed by a HERS Rater	<input type="checkbox"/>	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

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Project Name: San Jose Country Club

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I. SYSTEM CONTROLS

This Section Does Not Apply

J. VENTILATION AND INDOOR AIR QUALITY

This Section Does Not Apply

K. TERMINAL BOX CONTROLS

This Section Does Not Apply

L. DISTRIBUTION (DUCTWORK AND PIPING)

This Section Does Not Apply

M. COOLING TOWERS

This Section Does Not Apply

N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

YES	NO	Form/Title	Systems To Be Field Verified	Field Inspector	
				Pass	Fail
<input checked="" type="radio"/>	<input type="radio"/>	NRCI-MCH-01-E - Must be submitted for all buildings.		<input type="checkbox"/>	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

September 2020



SUBMITTAL SET

SAN JOSE COUNTRY CLUB
15571 ALUM ROCK AVE SAN JOSE CA

Job Number
21-0026

Date
06/09/2021

Drawn
C2C

Sheet Title
MAIN FLOOR
MECHANICAL PLAN

Scale
AS DISPLAYED

Revisions

△

△

△

△

△

△

¹ THIS SHEET IS PART OF A SET AND IS NOT TO BE RE-USED ALONE.
² THIS SHEET IS NOT TO BE USED FOR CONSTRUCTION UNLESS THESE PLANS AND ANY REVISIONS THEREOF, AS INSTRUMENTS OF SERVICE, ARE OWNED BY THE ARCHITECT AND ARE FOR USE ON THIS PROJECT ONLY. REPRODUCTION AND/OR DISTRIBUTION, WITHOUT PRIOR WRITTEN CONSENT FROM THE ARCHITECT IS FORBIDDEN.

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GENERAL ELECTRICAL NOTES

1.

THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF ELECTRICAL EQUIPMENT, DEVICES AND WIRING.
2.

RECEPTACLE, LIGHT SWITCHES, TELEPHONE-DATA OUTLETS AND OTHER RECESSED ELECTRICAL DEVICES THAT AREA SHOWN BACK TO BACK FIRE RATED WALLS SHALL BE SEPARATED HORIZONTALLY BY AT LEAST 24" AND FIRE SEALED. PENETRATIONS AT RATED WALLS SHALL BE MADE WITH CONDUIT SLEEVES WITH END BUSHINGS AND UL LISTED FIRE PUTTY ON BOTH SIDES. SLEEVES BETWEEN ADJACENT BUILDINGS SHALL BE MADE USING LIQUID TIGHT FLEXIBLE CONDUIT.
3.

THE CONTRACTOR SHALL VERIFY EXACT LOCATION OF TERMINAL BOXES AND CONDUIT ENTRANCES AGAINST SHOP DRAWINGS AND EQUIPMENT BY OTHER TRADES PRIOR TO INSTALLATION.
4.

IN CASE OF CONFLICT BETWEEN ELECTRICAL EQUIPMENT SHOWN ON THE DRAWINGS AND OTHER EQUIPMENT, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING BEFORE PROCEEDING.
5.

ALL OUTDOOR DEVICES SHALL BE WEATHERPROOF. CONTRACTOR SHALL PROVIDE ADDITIONAL PULLBOXES WHERE THEY ARE REQUIRED TO MAKE A WORKABLE INSTALLATION. ALL PULLBOXES ABOVE GROUND SHALL BE PAD LOCKABLE.
6.

DO NOT ROUTE ANY VIDEO/DATA OR ANY OTHER SIGNAL SYSTEM VIA POWER BOXES.
7.

USE OF RIGID THREADED CONDUIT IS REQUIRED IN ALL LOCATIONS EXPOSED TO PHYSICAL DAMAGE.
8.

MINIMUM UNDERGROUND CONDUIT SIZE SHALL BE ¾".
9.

COORDINATE EXACT LOCATION OF HVAC UNITS AND CONFIRM UNIT NAMEPLATE PRIOR TO ROUGH-N.
10.

PROVIDE A CODE SIZED GROUND WIRE IN ALL CONDUIT RUN.
11.

VERIFY MOUNTING HEIGHTS TO ALL RECEPTACLES MOUNTED ABOVE COUNTERS.
12.

PROVIDE PANEL LEGENDS TO ALL NEW PANELBOARDS.
13.

PROVIDE "STICK-ON" LABEL TO ALL RECEPTACLES, LIGHT SWITCHED, DISCONNECT SWITCHES, PANELBOARDS WITH PANELBOARD CIRCUIT DESIGNATION.
14.

ALL INSTALLATIONS SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE AND THE NATIONAL ELECTRICAL CODE.
15.

PROVIDE ALL FINAL ELECTRICAL CONNECTION TO ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTION.
16.

THIS SHALL INCLUDE BUT NOT BE LIMITED TO THE CONNECTION OF ALL MECHANICAL AND OTHER EQUIPMENT WHICH IS TO BE INSTALLED AS PART OF THIS CONTRACT.
17.

PROVIDE ADDITIONAL SUPPORTS FOR SWITCHED, STARTERS, RACEWAYS AND ELECTRICAL EQUIPMENT WHEREVER THE BUILDING STRUCTURE IS NO SUITABLE FOR DIRECT MOUNTING.
18.

REFER TO MECHANICAL DRAWINGS FOR EXACT CONTROL WIRING REQUIREMENTS AND MECHANICAL EQUIPMENT LOCATIONS AND CONNECTIONS.
19.

ALL EQUIPMENT SHALL BE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY AND PROPERLY LABELED.
20.

ALL CONDUITS UNLESS OTHERWISE NOTED ON DRAWINGS SHALL HAVE AS A MINIMUM: TWO (2) #12s WITH ONE (1) #12 GROUND. "TICK" MARKS SHOWN ON CIRCUITRY ARE FOR ROUGH ESTIMATING ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WIRES AND WIRE SIZES REQUIRED BY LATEST CODE.
21.

ALL BRANCH CIRCUITS SHALL HAVE INDIVIDUAL NEUTRALS. SHARED NEUTRALS ON MULTIWIRE CIRCUITS IS NOT ALLOWED.
22.

ALL 120/277V LIGHT SWITCHES AND WALL OCCUPANT SENSORS SHALL HAVE A NEUTRAL INSTALLED TO THE DEVICE BOX EXCEPT WHERE A CONDUIT OR SURFACE RACEWAY SYSTEM IS INSTALLED.

ELECTRICAL SYMBOLS & ABBREVIATIONS

SYMBOLS & ABBREVIATIONS SHOWN ARE FOR GENERAL USE. DISREGARD THOSE WHICH DO NOT APPEAR ON THE PLANS.

	LED LUMINAIRE - SEE SCHEDULE		CONVENIENCE RECEPTACLE - DUPLEX ★		PANELBOARD - FLUSH MOUNTED
	EMERGENCY LUMINAIRE - SEE SCHEDULE		RECEPTACLE - DOUBLE DUPLEX ★		EQUIPMENT PANEL - FLUSH MOUNTED
	STRIP LUMINAIRE - SEE SCHEDULE		DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT		PANELBOARD - SURFACE MOUNTED
	RECESSED LUMINAIRE - SEE SCHEDULE		DOUBLE DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT		EQUIPMENT PANEL - SURFACE MOUNTED
	RECESSED WALL WASHER LUMINAIRE - SEE SCHEDULE		GFCI CONVENIENCE RECEPTACLE - DUPLEX ★		METER W/ CURRENT TRANSFORMER
	SURFACE MOUNTED LUMINAIRE - SEE SCHEDULE		GFCI CONVENIENCE RECEPTACLE - DOUBLE DUPLEX ★		JUNCTION BOX - CEILING OR WALL MOUNTED, SIZE PER CODE, TAPE AND TAG WIRES
	POLE OR POST MOUNTED LUMINAIRE - SEE SCHEDULE		GFCI CONVENIENCE RECEPTACLE - MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT		MOTOR CONNECTION
	WALL MOUNTED LUMINAIRE - SEE SCHEDULE		GFCI CONVENIENCE DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT		NON-FUSED DISCONNECT SWITCH
	BOLLARD OR PATH LUMINAIRE - SEE SCHEDULE		SINGLE RECEPTACLE ★		FUSED DISCONNECT SWITCH; FUSED WITH DUAL-ELEMENT FUSES SIZED PER EQUIPMENT MFG'S NAMEPLATE DATA
	EXIT LIGHT - SEE SCHEDULE		HALF SWITCHED RECEPTACLE - DUPLEX ★		COMBINATION STARTER/FUSED DISCONNECT SWITCH; FUSED DISCONNECT SWITCH ELEMENT FUSES SIZED PER EQUIPMENT MFG'S NAMEPLATE DATA
	DIRECTIONAL ARROWS AS INDICATED		LETTER INDICATES DUPLEX HALF CONTROLLED RECEPTACLE ★		MAGNETIC STARTER - NEMA SIZE INDICATED
	TRACK LIGHTING - SEE SCHEDULE		LETTER INDICATES DUPLEX FULLY CONTROLLED RECEPTACLE ★		CIRCUIT BREAKER
	EMERGENCY LIGHT - SEE SCHEDULE		FLOOR MOUNTED DUPLEX RECEPTACLE		GROUND ROD WITH GROUNDWELL BOX
	DIGITAL DUAL TECHNOLOGY OCCUPANCY SENSOR		FLOOR MOUNTED BOX		GROUND ELECTRODE
	CORNER MOUNTED OCCUPANCY SENSOR		POWER OUTLET - SEE PLANS FOR NEMA TYPE★		NORMALLY OPEN CONTACT
	DIMMER ROOM CONTROLLER		POWER POLE		NORMALLY CLOSED CONTACT
	PLUG LOAD CONTROLLER		WALL TELEPHONE OUTLET ★★		TRANSFORMER - SEE SINGLE LINE FOR SIZE
	ROOM LIGHTING CONTROLLER		VOICE/DATA WALL OUTLET ★		PULLBOX
	LIGHTING CONTROL PANEL		VOICE/DATA OUTLET MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT		FLEX CONDUIT WITH CONNECTION
	DIGITAL DAYLIGHT SENSOR		SURFACE MOUNTED VOICE/DATA WALL OUTLET ★		CONDUIT - UP
	SINGLE POLE SWITCH ★★		SURFACE MOUNTED VOICE/DATA OUTLET MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT		CONDUIT - DOWN
	SINGLE POLE SWITCH, ★★ a = CIRCUIT CONTROLLED		WIRELESS ACCESS POINT (WAP) - CEILING MOUNTED		CONDUIT EMERGENCY SYSTEM
	THREE WAY SWITCH★★		WIRELESS ACCESS POINT (WAP) - WALL MOUNTED - FIELD VERIFY HEIGHT		LOW VOLTAGE WIRING
	FOUR WAY SWITCH★★		VOICE/DATA OUTLET - FLOOR MOUNTED		SURFACE METAL OR NON-METALLIC RACEWAY
	MANUAL MOTOR STARTER		TV OUTLET ★		CONDUIT - CONCEALED IN WALLS OR CEILING
	KEY OPERATED SWITCH★★		VOICE/DATA OUTLET - CEILING MOUNTED		CONDUIT - EXISTING
	LIGHTING DIMMER★★		INTERIOR SPEAKERS CEILING MOUNTED		CONDUIT - BELOW SLAB OR UNDERGROUND: 3/4" MIN.
	DIGITAL ON/OFF SWITCH ★★		INTERIOR SPEAKERS WALL MOUNTED		CAPPED OR STUB-OUT CONDUIT
	DIGITAL DIMMER SWITCH ★★		CLOCK +8'-0" AFF U.O.N. VERIFY BEFORE INSTALLATION		CONDUIT CONTINUATION
	DIGITAL MULTI SCENE LIGHTING SWITCH ★★		SECURITY DOOR CONTACTS		CONDUIT - HOME RUN TO PANEL, TERMINAL CABINET, ETC. RUNS MARKED WITH CROSSHATCHES INDICATE NUMBER OF #12 AWG WIRES WHEN MORE THAN TWO. SIZE CONDUIT ACCORDING TO SPECIFICATIONS AND APPLICABLE CODE. CROSS HATCHES WITH NUMBER ADJACENT INDICATES WIRE SIZE OTHER THAN #12 AWG.
	DIGITAL DUAL TECHNOLOGY WALL OCC. SENSOR★★		SECURITY MOTION DETECTOR		
	WALL OCCUPANCY SENSOR ★★		CCTV CAMERA		
	DOUBLE SWITCHED WALL OCCUPANCY SENSOR ★★		SECURITY SYSTEM KEYPAD		
	DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR ★★		CARD READER		
	2-BUTTON DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR ★★				

REFERENCE

	SHEET NOTE REFERENCE SYMBOL; SEE ASSOCIATED NOTE ON SAME SHEET		DETAIL NOTE REFERENCE SYMBOL; SEE ASSOCIATED NOTE ON SAME DETAIL
	SCHEDULE NOTE REFERENCE SYMBOL; SEE ASSOCIATED NOTE ON SAME SHEET		FEEDER DESIGNATION; SEE ASSOCIATED NOTE ON SAME DETAIL
	DETAIL NUMBER DETAIL REFERENCE SHEET NUMBER		INDICATES QUANTITY OF TELEPHONE OUTLETS
			INDICATES QUANTITY OF DATA OUTLETS

ABBREVIATIONS

A	AMPERE	GFI	GROUND FAULT INTERRUPTING	OAH	OVERALL HEIGHT ON CENTER
AFF	ABOVE FINISHED FLOOR	GND, G	GROUND	OH	OVERHEAD
ALUM/AL	ALUMINUM	GRS	GALVANIZED RIGID	PA	PUBLIC ADDRESS
ARCH	ARCHITECT	HT	STEEL HEIGHT	PB	PULL BOX
AWG	AMERICAN WIRE GAUGE	IC	INTERCOM	PF	POWER FACTOR
BKR	BREAKER	IDF	INTERMEDIATE DISTRIBUTION FRAME	PH	PHASE
CB	CIRCUIT BREAKER	INCAND	INCANDESCENT	PIR	PASSIVE INFRARED
CATV	CABLE TV	JB	JUNCTION BOX	PNL	PANEL
CB	CIRCUIT BREAKER	KV	KILOVOLT	PV	PHOTOVOLTAIC
CCTV	CLOSED CIRCUIT TV	KVA	KILOVOLT AMPERES	PVC	POLYVINYL CHLORIDE
CKT	CIRCUIT	KW	KILOWATT	PWR	POWER
CL	CENTER LINE	LCP	LIGHTING CONTROL PANEL	(R)	EXISTING TO BE REMOVED
CLG	CEILING	LTG	LIGHTING	(RP)	REMOVABLE POLE
CO	CONDUIT ONLY	LV	LOW VOLTAGE	RECPT'S	RECEPTACLES
CTR	CENTER	MDF	MAIN DISTRIBUTION FRAME	REQD	REQUIRED
D	DIMMER	MECH	MECHANICAL	REQMT'S	REQUIREMENT(S)
DIM	DIMENSION	MH	METAL HALIDE	SHT	SHEET
(E)	EXISTING	MLO	MAIN LUGS ONLY	SLD	SINGLE LINE DIAGRAM
EC	ELECTRICAL CONTRACTOR	MPOE	MAIN POINT OF ENTRANCE	STC	SYSTEMS TERMINATION
(EL)	EVENING LIGHT	MTD	MOUNTING	SW	SWITCH
EM	EMERGENCY	MTG	MAXIMUM OVER CURRENT PROTECTION	SWBD	SWITCHBOARD
EMT	ELECTRICAL METALLIC TUBING	MOCP	MAXIMUM OVER CURRENT PROTECTION	TTB	TELEPHONE TERMINAL
EQUIP	EQUIPMENT	(N)	NEW	TYP	TYPICAL
FA	FIRE ALARM	NIC	NOT IN CONTRACT	UNON	UNLESS OTHERWISE NOTED
FACP	CONTROL PANEL	NIEC	NOT IN ELECTRICAL CONTRACT	UG	UNDERGROUND
FC	FOOT CANDLE	(NL)	NIGHT LIGHT	V	VOLT
FIN	FINISH	NO.	NUMBER	W	WATT
FL	FLOOR	NOM	NOMINAL	W/	WITH
FLA	FULL LOAD AMPS	NTS	NOT TO SCALE	WP	WEATHERPROOF
FLUOR	FLUORESCENT			XFMR	TRANSFORMER
(F)	FUTURE				
GC	GENERAL CONTRACTOR				

★ +15" A.F.F. TO BOTTOM OF BOX, U.O.N.
★★ +48" A.F.F. TO TOP OF BOX, U.O.N.

[#] NUMBER IN BRACKETS DENOTES NUMBER OF CABLE DROPS WHEN MORE THAN (2).

ELECTRICAL DESIGN BUILD NOTES

1.

DESIGN AND INSTALL COMPLETE ELECTRICAL SYSTEM FOR PROPOSED TENANT SPACE. THE DESIGN MAY USE EXISTING ELECTRICAL EQUIPMENT, CONDUIT, LIGHT FIXTURES, ETC. WHERE APPROPRIATE. THE ELECTRICAL CONTRACTOR SHALL DETERMINE THE SUITABILITY OF EXISTING ELECTRICAL SYSTEM COMPONENTS FOR THE DESIGN.
2.

ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES. (HVAC, FIRE SPRINKLER, ETC.)
3.

ALL WIRING FOR LIGHT FIXTURES, EXIT SIGNS AND OTHER ELECTRICAL DEVICES TO BE U.L. APPROVED AND TO BE INSTALLED TO CONFORM WITH LOCAL BUILDING DEPARTMENT REGULATIONS.
4.

ELECTRICAL LIGHTING FIXTURES, SWITCHES, CONTROLS, COVER PLATES, ETC., TO MATCH EXISTING.
5.

ALL SWITCHES CONTROLS AND OTHER WALL MOUNTED CONTROL DEVICES TO BE MOUNTED AT +48" A.F.F TO TOP OF BOX, U.O.N.
6.

REMODEL EXISTING CIRCUITS, LIGHTS, SWITCHES ETC., AT NEW ROOM LAYOUT TO PROVIDE INDIVIDUAL CONTROL DEVICES AS SHOWN ON PLANS.
7.

OFFICES, COMPUTER, ACTIVITY, BREAKROOM, THEATER, RESTROOMS AREAS SHALL BE CONTROLLED BY WALL MOUNTED DIMMING CONTROLS WITH OVERRIDE SWITCHING ON EVERY ROOM TO CONFORM TO CALIFORNIA ENERGY TITLE 24 REQUIREMENTS.
8.

THE ELECTRICAL DESIGN-BUILD CONTRACTOR SHALL PROVIDE ALL DOCUMENTS REQUIRED FOR OBTAINING REQUIRED PERMITS. THIS INCLUDES PREPARATION OF TITLE 24 CALCULATIONS AND FORMS SUBMITTED IN THE REQUIRED FORMAT.

APPLICABLE CODES & STANDARDS

- CODES:

1.

2019 CALIFORNIA ADMINISTRATIVE CODE C.C.R., TITLE 24, PART 1.

2.

2019 CALIFORNIA BUILDING CODE (CBC) C.C.R., TITLE 24, VOL. 1 & 2 BASED ON THE 2018 INTERNATIONAL BUILDING CODE (IBC) WITH CALIFORNIA AMENDMENTS.

3.

2019 CALIFORNIA ELECTRICAL CODE (CEC) C.C.R., TITLE 24, PART 3 BASED ON THE 2017 NATIONAL ELECTRICAL CODE (NEC) WITH CALIFORNIA AMENDMENTS.

4.

2019 CALIFORNIA MECHANICAL CODE (CMC) C.C.R., TITLE 24, PART 4 BASED ON THE 2018 UNIFORM MECHANICAL CODE (UMC) WITH CALIFORNIA AMENDMENTS.

5.

2019 CALIFORNIA PLUMBING CODE (CPC) C.C.R., TITLE 24, PART 5 BASED ON THE 2018 UNIFORM PLUMBING CODE (UPC) WITH CALIFORNIA AMENDMENTS.

6.

2019 CALIFORNIA ENERGY CODE C.C.R., TITLE 24, PART 6.

7.

2019 CALIFORNIA FIRE CODE (CFC) C.C.R., TITLE 24, PART 9 BASED ON THE 2018 INTERNATIONAL FIRE CODE (IFC) WITH CALIFORNIA AMENDMENTS.

8.

2019 CALIFORNIA GREEN BUILDING STANDARDS CODE C.C.R., TITLE 24, PART 11.

9.

2019 CALIFORNIA REFERENCED STANDARDS CODE C.C.R., TITLE 24, PART 12.

10.

TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

11.

NATIONAL FIRE ALARM CODE (NFPA 72) 2019.

12.

CITY OF SAN JOSE ORDINANCES, CODES, AND REGULATIONS.
- STANDARDS:

1.

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

2.

ELECTRONICS INDUSTRIES ASSOCIATION (EIA)

3.

INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)

4.

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)

5.

NATIONAL ELECTRICAL TESTING ASSOCIATION (NETA)

6.

UNDERWRITER LABORATORIES (UL)

7.

CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT STANDARDS (CAL/OSHA)

SHEET INDEX

- E0.1

SYMBOLS, ABBREVIATIONS, CODES, STANDARDS, NOTES & SHEET INDEX.
- E0.2

CALIFORNIA ENERGY COMPLIANCE TITLE 24 - OUTDOOR.
- E2.1

ELECTRICAL SITE PLAN.
- E2.2

POWER PLAN - LOWER FLOOR.
- E2.3

LIGHTING PLANS - LOWER & MAIN FLOORS.
- E6.1

ELECTRICAL DETAILS.



SAN JOSE COUNTRY CLUB
15571 ALUM ROCK AVE SAN JOSE CA

Job Number	19024
Date	05/03/2021
Drawn	SHR
Sheet Title	SYMBOLS, ABBREV., CODES, STANDARDS, NOTES & SHEET INDEX.
Scale	AS NOTED

Revisions
5/25/2021 RESUBMITTAL

1. THIS SHEET IS PART OF A SET AND IS NOT TO BE USED ALONE.
2. THIS SHEET IS NOT TO BE USED FOR CONSTRUCTION UNLESS THE INDICATED TABBED AREA APPEARS ON THE DRAWINGS HAVE BEEN RELEASED FOR CONSTRUCTION.
3. THESE PLANS AND ANY PARTS THEREOF, OR ANY INSTRUMENTS OF SERVICE, ARE OWNED BY THE ARCHITECT AND ARE FOR USE ON THE PROJECT ONLY. REPRODUCTION AND/OR DISTRIBUTION WITHOUT PRIOR WRITTEN CONSENT FROM THE ARCHITECT IS FORBIDDEN.

E0.1

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 01/21)
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
NRCC-LTO-E
This document is used to demonstrate compliance with requirements in §110.9, §130.0, §130.2, §140.7, and §141.0(b)(2), for outdoor lighting scopes using the prescriptive path.
Project Name: San Jose Country Club
Report Page: Page 1 of 7
Project Address: 15571 Alum Rock Avenue, San Jose CA 95127
Date Prepared: 06/10/2021

01

Project Location (city)

San Jose

04

Total Illuminated Hardscape Area (ft²)

1,637

02

Climate Zone

4

03

Outdoor Lighting Zone per Title 24, Part 1 §10-11.4 or as designated by Authority Having Jurisdiction (AHJ):

☐ LZ-0: Very Low - Undeveloped Parkland

☐ LZ-2: Moderate - Rural Areas

☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval

☐ LZ-1: Low - Developed Parkland

☒ LZ-3: Moderately High - Urban Areas

B. PROJECT SCOPE

Table Instructions: Include any outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)(2), for alterations.
My project consists of:

01

☒ New Lighting System

Must Comply with Allowances from §140.7.

☐ Altered Lighting System

Is your alteration increasing the connected lighting load (Watts)?

☒ Yes

☐ No

FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Calculation of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)(2)

Compliance Results

01

General Hardscape Allowance §140.7(d)(1)

(See Table I)

541.91

02

Per Application §140.7(d)(2)

(See Table J)

03

Sales Frontage §140.7(d)(2)

(See Table K)

04

Ornamental §140.7(d)(2)

(See Table L)

05

Per Specific Area §140.7(d)(2)

(See Table M)

06

Existing Power §141.0(b)(2)

(See Table N)

07

Total Allowed (Watts)

563.191

08

Total Actual (Watts)

531.5

09

07 Must be ≥ 08

COMPLIES

Cutoff Compliance (See Table G for Details)

Controls Compliance (See Table H for Details)

Not Applicable

COMPLIES with Exceptional Conditions

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2021

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CERTIFICATE OF COMPLIANCE
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Project Name: San Jose Country Club
Report Page: Page 4 of 7
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Date Prepared: 06/10/2021

I. LIGHTING POWER ALLOWANCE (per §140.7)

Table Instructions: Please complete this table for areas using the allowance calculations per §140.7. General Hardscape Allowance is per Table 140.7-A while "Use it or lose it" Allowances are per Table 140.7-B. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.

01

General Hardscape Allowance

☒ General Hardscape Allowance

☐ Per Application

☐ Sales Frontage

☒ Ornamental

☐ Per Specific Area

Table I (below)

Table J

Table K

Table L

Table M

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 2 & 3)

02

Area Description

03

Surface Type

04

Illuminated Area (ft²)

05

Area Wattage Allowance (AWA)

06

Allowed Density (W/ft²)

07

Perimeter Length (ft)

08

Linear Wattage Allowance (LWA)

09

Allowed Density Linear Allowance (Watts)

10

Total General AWA + LWA (Watts)

Hardscape

Concrete

1,637

0.03

49.11

357

0.4

142.8

191.91

Initial Wattage Allowance for Entire Site (Watts):

350

Total General Hardscape Allowance (Watts):

541.91

J. LIGHTING ALLOWANCE: PER APPLICATION

This Section Does Not Apply

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This Section Does Not Apply

L. LIGHTING ALLOWANCE: ORNAMENTAL

Table Instructions: Please complete this table for areas using the wattage allowance for Hardscape Ornamental Lighting from Table 140.7-B.

01

Area Description

02

Illuminated Area (ft²)

03

Allowed Density (W/ft²)

04

Extra Allowance (Watts)

05

Luminaire Name or Item Tag

06

Watts per Luminaire¹,²

07

of Luminaires²

08

Design Watts

09

Additional Allowance (Watts)

Main Entry

1,637

0.013

21.281

XF

96

2

192

Total Design Watts for this Area:

192

21.281

Table Continued

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Date Prepared: 06/10/2021

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name: Shrader Electric, Inc.

Documentation Author Signature: [Signature]

Company: Shrader Electric, Inc.

Signature Date: 06/10/2021

Address: 1093 Florence Way

CEA/ HERS Certification Identification (if applicable):

City/State/Zip: Campbell, CA 95008

Phone: (408) 371-1526

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

4. The building design features or system design on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Shrader Electric, Inc.

Responsible Designer Signature: [Signature]

Company: Shrader Electric, Inc.

Date Signed: 6/10/2021

Address: 1093 Florence Way

License: C10-851049

City/State/Zip: Campbell, CA 95008

Phone: (408) 371-1526

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2021

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D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table H. Outdoor Lighting Controls Permit Applicant Notes:

Main Floor Entry: Motion Sensor: Exempt because luminaire with a maximum rated wattage of 40 watts each are not required to have motion sensing controls; EXCEPTION 130.2(c)(3).

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: For new or altered lighting systems demonstrating compliance with §140.7 (ie Table I has expanded for input), include all luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)(2), (ie Table N has expanded for input), include only new luminaires being installed and replacement luminaires being installed as part of the project scope (ie, do not include existing luminaires remaining or existing luminaires being moved).

Designed Wattage:

01

02

03

04

05

06

07

08

09

10

Name or Item Tag

Complete Luminaire Description

Watts per luminaire¹,²

How Wattage is determined

Total number luminaires³

Luminaire Status³

Excluded per §140.7(a)

Design Watts

Cutoff Req. ≥ 6,200 initial lumen output §130.2(b)⁴

Field Inspector

XA

Flood Light LED

☐ Linear

21

Mfr. Spec¹

3

New

☒

NA: <6,200 lumens

☐

☐

XBE

Wall Pack LED

☐ Linear

17

Mfr. Spec¹

1

New

☐

17

NA: <6,200 lumens

☐

☐

XC

Downlight LED

☐ Linear

19

Mfr. Spec¹

8

New

☐

152

NA: <6,200 lumens

☐

☐

XCE

Downlight LED EM

☐ Linear

19

Mfr. Spec¹

2

New

☐

38

NA: <6,200 lumens

☐

☐

XD

Cylinder LED

☐ Linear

14

Mfr. Spec¹

4

New

☐

56

NA: <6,200 lumens

☐

☐

XF

String Lights

☐ Linear

96

Mfr. Spec¹

2

New

☐

192

NA: <6,200 lumens

☐

☐

XG

Tap Light LED

☐ Linear

76.5

Mfr. Spec¹

1

New

☐

76.5

NA: <6,200 lumens

☐

☐

Total Designed Watts:

531.5

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(c).

Table Continued

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2021

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01

Area Description

02

ILLUMINATED AREA (ft²)

03

ALLOWED DENSITY (W/ft²)

04

EXTRA ALLOWANCE (Watts)

05

Luminaire Name or Item Tag

06

Watts per Luminaire¹,²

07

of Luminaires²

08

Design Watts

09

Additional Allowance (Watts)

Calculated Allowance (Watts)

Design Watts

Total Allowance (Watts) Ornamental:

21.281

I. FOOTNOTES: Luminaires qualifying for this allowance shall be rated < 100W and shall be post-top luminaires, lanterns, pendants or chandeliers.
² For luminaires indicated in Table F as linear, wattage in column 06 is W/ft instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 07 instead of number of luminaires.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This Section Does Not Apply

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This Section Does Not Apply

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCL/

YES

NO

Form/Title

Field Inspector

☒

☐

NRCL-LTO-01-E - Must be submitted for all buildings.

☐

☐

☒

☐

NRCL-LTO-02-E - Must be submitted for a lighting control system; or for an Energy Management Control System (EMCS), to be recognized for compliance.

☐

☐

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2021

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01

02

03

04

05

06

07

08

09

10

Name or Item Tag

Complete Luminaire Description

Watts per luminaire¹,²

How Wattage is determined

Total number luminaires³

Luminaire Status³

Excluded per §140.7(a)

Design Watts

Cutoff Req. ≥ 6,200 initial lumen output §130.2(b)⁴

Field Inspector

FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c).
² For linear luminaires, wattage should be indicated as W/ft instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 05 instead of number of luminaires.
³ Select "New" for new luminaires in a new outdoor lighting project or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope
⁴ Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output ≥ 6,200 unless exempted by §130.2(b).

G. CUTOFF REQUIREMENTS (BUG)

This Section Does Not Apply

H. OUTDOOR LIGHTING CONTROLS

Table Instructions: Complete this table demonstrating compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie 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 the permit application.
When an option having a * 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. For each requirement in columns 02 through 04, do not leave the field blank, instead select NA or Exempt* from the dropdown list to indicate not applicable or an exemption.

Mandatory Controls

01

Area Description

02

Shut-Off §130.2(c)(1)

03

Auto-Schedule §130.2(c)(2)

04

Motion Sensor §130.2(c)(3)

05

Field Inspector

Main Floor Entry

Astronomical Timer

Yes

Exempt *

☐

☐

* NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2(c).

Main Floor Entry

Motion Sensor: Exempt because luminaire with a maximum rated wattage of 40 watts each are not required to have motion sensing controls; EXCEPTION 130.2(c)(3).

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2021

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 01/21)
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
NRCC-LTO-E
Project Name: San Jose Country Club
Report Page: Page 6 of 7
Project Address: 15571 Alum Rock Avenue, San Jose CA 95127
Date Prepared: 06/10/2021

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

YES

NO

Form/Title

Field Inspector

☒

☐

NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added to ≤ 20 luminaires.

☐

☐

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San Jose, CA 95128
Tel: 408-371-1526
Fax: 408-371-1627
LIC# C10-851049
06/30/22

ALL NEW, ALTERED, AND EXISTING LIGHTING FIXTURES AND SYSTEMS SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE AND THE NATIONAL ELECTRICAL CODE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE.

SAN JOSE COUNTRY CLUB
15571 ALUM ROCK AVE SAN JOSE CA

Job Number
19024
Date
05/03/2021
Drawn
SHR
Sheet Title
CALIFORNIA ENERGY
COMPLIANCE TITLE 24 -
OUTDOOR
Scale
AS NOTED

Revisions
△ 5/29/2021 RESUBMITTAL
△
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E0.2

G:\Project\2021\05\21-388.00 15571 Alum Rock Ave. SJ Country Club T1.Dwg(01/21-288602.dwg, 6/10/2021 11:05:15 AM)

G:\Project\2021\05\21-388-00-15571 Alum Rock Ave. SJ Country Club T1.Dwg, 6/10/2021 11:05:27 AM

1 ELECTRICAL SITE PLAN
SCALE: 1"=20'-0"

ALUM ROCK AVENUE

EXISTING FIRE HYDRANT
SJWD CHRISTIE BOX
(E) IRON GATE
(E) LIGHT POLE

MAIN GAS ENTRY

(E) SAN JOSE COUNTRY CLUB

2
E2.3

RELOCATED
ADA PARKING STALLS

(E) ELECTRICAL MAIN
SWITCHBOARD "MSB"

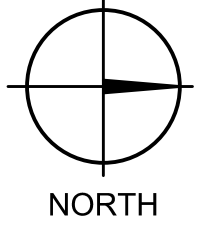
TYP. 1
E6.1

EV
EV
EV
EV
EV
EV

E

(E) CART BARN & PRO SHOP
NO WORK UNDER THIS PERMIT

20' 0' 10' 20'



SHEET NOTES

1. PROVIDE & INSTALL 1"C.O. FOR FUTURE ELECTRICAL VEHICLE CHARGING STATION.
2. PROVIDE & INSTALL IN-GRADE CHRISTY #N30 PULLBOX, LID LABELED "ELECTRICAL".

SYMBOLS

SYMBOLS SHOWN ARE FOR GENERAL USE. DISREGARD THOSE WHICH DO NOT APPEAR ON THE PLANS.

- ①/10 JUNCTION BOX - CEILING OR WALL MOUNTED, SIZE PER CODE, TAPE AND TAG WIRES
- ⋈ MOTOR CONNECTION
- NON-FUSED DISCONNECT SWITCH
- ⊞ FUSED DISCONNECT SWITCH; FUSED WITH DUAL-ELEMENT FUSES SIZED PER EQUIPMENT MFR'S NAMEPLATE DATA
- ⊞ PULLBOX
- CONDUIT - CONCEALED IN WALLS OR CEILING
- - - CONDUIT - EXISTING
- - - CONDUIT - BELOW SLAB OR UNDERGROUND: 3/4"MIN.
- CAPPED OR STUB-OUT CONDUIT
- CONDUIT CONTINUATION

BRANCH CIRCUIT CONDUCTOR SIZING TABLE

CIRCUIT AMPACITY/VOLTAGE	CIRCUIT LENGTH	REQUIREMENT
20/120	56'-90'	½" C., 2 #10 & 1 #10 GND.
20/120	91'-140'	½" C., 2 #8 & 1 #10 GND.
20/277	131'-205'	½" C., 2 #10 & 1 #10 GND.
20/277	206'-330'	½" C., 2 #8 & 1 #10 GND.

NOTE:
CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTORS PER THE TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUCTOR LENGTH. U.O.N. CONTRACTOR SHALL SPLICE TO #12 AWG WITHIN TERMINATION BOX FOR DEVICE CONNECTION IF NECESSARY.



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SAN JOSE COUNTRY CLUB
15571 ALUM ROCK AVE SAN JOSE CA

Job Number
19024
Date
05/03/2021
Drawn
SHR
Sheet Title
ELECTRICAL
SITE PLAN
Scale
AS NOTED

Revisions
△ 5/25/2021 RESUBMITTAL
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E2.1

LIGHT FIXTURE SCHEDULE

FIXTURE NOTES:

- ALL LED LIGHT FIXTURE DRIVERS SHALL BE ELECTRONIC TYPE, 10% TOTAL HARMONIC DISTORTION MAXIMUM.
- ALL LED LIGHT MODULES SHALL BE ENERGY SAVING 3500° K, 80 CRI MINIMUM, U.O.N. (SEE SPECIFICATIONS FOR MORE INFORMATION).
- ALL LED DRIVERS (AND ASSOC. FIXTS.) SHALL HAVE MANUFACTURER'S CERTIFICATION OF COMPLIANCE WITH CALIFORNIA ENERGY COMMISSION STANDARDS AND REQUIREMENTS, WHERE SUCH ARE USED IN CONDITIONED SPACES.
- EXIT SIGNS , EMERGENCY LIGHTS AND LIGHT FIXTURES WITH EMERGENCY BATTERY BACK-UP SHALL SUPPLY A MINIMUM DURATION OF 90 MINUTES OF POWER IN THE EVENT OF A POWER OUTAGE/FAILURE.
- ALL RECESSED LIGHT FIXTURES SHALL BE U.L. APPROVED FOR ZERO CLEARANCE INSULATION COVER WHEN INSTALLED IN INSULATED CEILINGS.

TYPE	DESCRIPTION	LAMPS	MANUFACTURER
XA	LED FLOOD LIGHT FIXTURE, UNIVERSAL VOLTAGE.	21W LED 4000K	LITHONIA LIGHTING DSXF1 LED SERIES
XBE	WALL PACK LED LIGHT FIXTURE WITH EMERGENCY BATTERY BACK-UP, UNIVERSAL VOLTAGE.	17W LED 4000K	ORACLE LIGHTING OWP-FC-104 LED SERIES
XC	6" DIA. RECESSED DOWNLIGHT LED FIXTURE, UNIVERSAL VOLTAGE.	19W LED 4000K	LITHONIA LIGHTING LND6 SERIES
XCE	SAME AS FIXTURE TYPE "XC" EXCEPT WITH EMERGENCY BATTERY BACK-UP OPTION.	19W LED 4000K	LITHONIA LIGHTING LND6 SERIES
XD	WALL CYLINDER LED FIXTURE, UNIVERSAL VOLTAGE.	14W LED 4000K	LITHONIA LIGHTING OLLWU LED SERIES
XF	48" STRING LIGHT FIXTURES WITH LED FILAMENT LIGHT ENGINE, 120V.	96W LED 2700K	TIVOLI ADAPT COMMERCIAL STRING LIGHT
XG	17" LED TAPE LIGHT FIXTURE WITH CHANNEL AND LENS, 24VDC.	4.5W/FT LED 3500K	DIODE LED 24V-BLBSC3 SERIES

SHEET NOTES

- VIA EXISTING LIGHTING CONTROL PANEL.
- CONNECT EMERGENCY BATTERY BACK-UP TO LIGHTING CIRCUIT UNSWITCHED HOT.

SYMBOLS

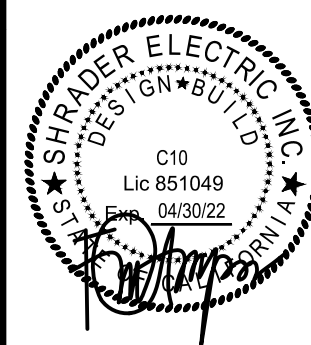
SYMBOLS SHOWN ARE FOR GENERAL USE. DISREGARD THOSE WHICH DO NOT APPEAR ON THE PLANS.

- LED LUMINAIRE - SEE SCHEDULE
 - EMERGENCY LUMINAIRE - SEE SCHEDULE
 - STRIP LUMINAIRE - SEE SCHEDULE
 - RECESSED LUMINAIRE - SEE SCHEDULE
 - RECESSED WALL WASHER LUMINAIRE - SEE SCHEDULE
 - SURFACE MOUNTED LUMINAIRE - SEE SCHEDULE
 - POLE OR POST MOUNTED LUMINAIRE - SEE SCHEDULE
 - WALL MOUNTED LUMINAIRE - SEE SCHEDULE
 - BOLLARD OR PATH LUMINAIRE - SEE SCHEDULE
 - EXIT LIGHT - SEE SCHEDULE
 - DIRECTIONAL ARROWS AS INDICATED
 - TRACK LIGHTING - SEE SCHEDULE
 - EMERGENCY LIGHT - SEE SCHEDULE
 - DIGITAL DUAL TECHNOLOGY OCCUPANCY SENSOR
 - CORNER MOUNTED OCCUPANCY SENSOR
 - DIMMER ROOM CONTROLLER
 - PLUG LOAD CONTROLLER
 - ROOM LIGHTING CONTROLLER
 - LIGHTING CONTROL PANEL
 - DIGITAL DAYLIGHT SENSOR
 - SINGLE POLE SWITCH **
 - SINGLE POLE SWITCH, **
a = CIRCUIT CONTROLLED
 - THREE WAY SWITCH**
 - FOUR WAY SWITCH**
 - MANUAL MOTOR STARTER
 - KEY OPERATED SWITCH**
 - LIGHTING DIMMER**
 - DIGITAL ON/OFF SWITCH **
 - DIGITAL DIMMER SWITCH **
 - DIGITAL MULTI SCENE LIGHTING SWITCH **
 - DIGITAL DUAL TECHNOLOGY WALL OCC. SENSOR **
 - WALL OCCUPANCY SENSOR **
 - DOUBLE SWITCHED WALL OCCUPANCY SENSOR **
 - DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR **
 - 2-BUTTON DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR **
- ** +48" A.F.F. TO TOP OF BOX, U.O.N.

BRANCH CIRCUIT CONDUCTOR SIZING TABLE

CIRCUIT AMPACITY/VOLTAGE	CIRCUIT LENGTH	REQUIREMENT
20/120	56'-90'	½" C., 2 #10 & 1 #10 GND.
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NOTE:
CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTORS PER THE TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUCTOR LENGTH, U.O.N. CONTRACTOR SHALL SPLICE TO #12 AWG WITHIN TERMINATION BOX FOR DEVICE CONNECTION IF NECESSARY.



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LIC#C10651049



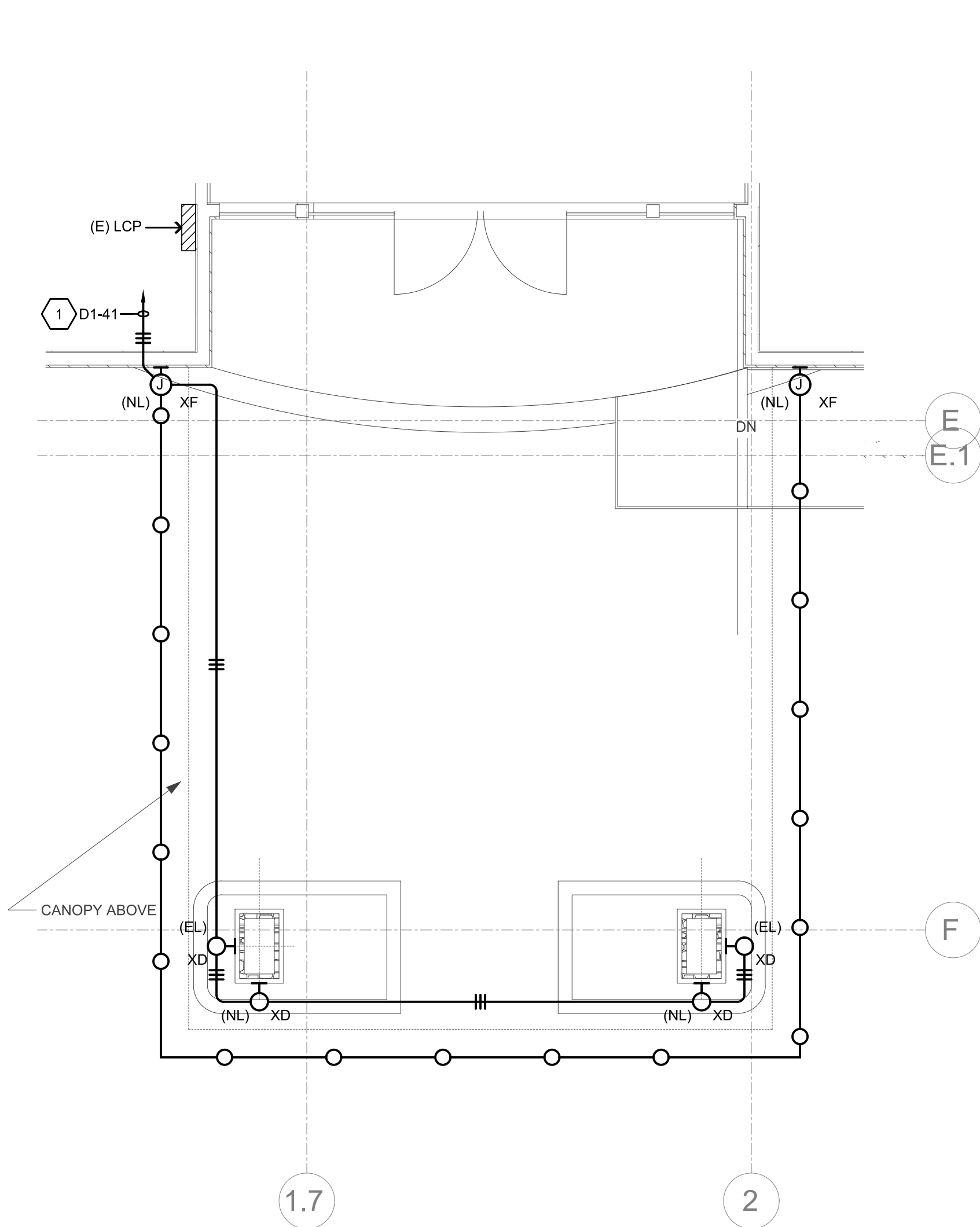
SAN JOSE COUNTRY CLUB
15571 ALUM ROCK AVE SAN JOSE CA

Job Number
19024
Date
05/03/2021
Drawn
SHR
Sheet Title
LIGHTING PLANS -
LOWER & MAIN
FLOORS
Scale
AS NOTED

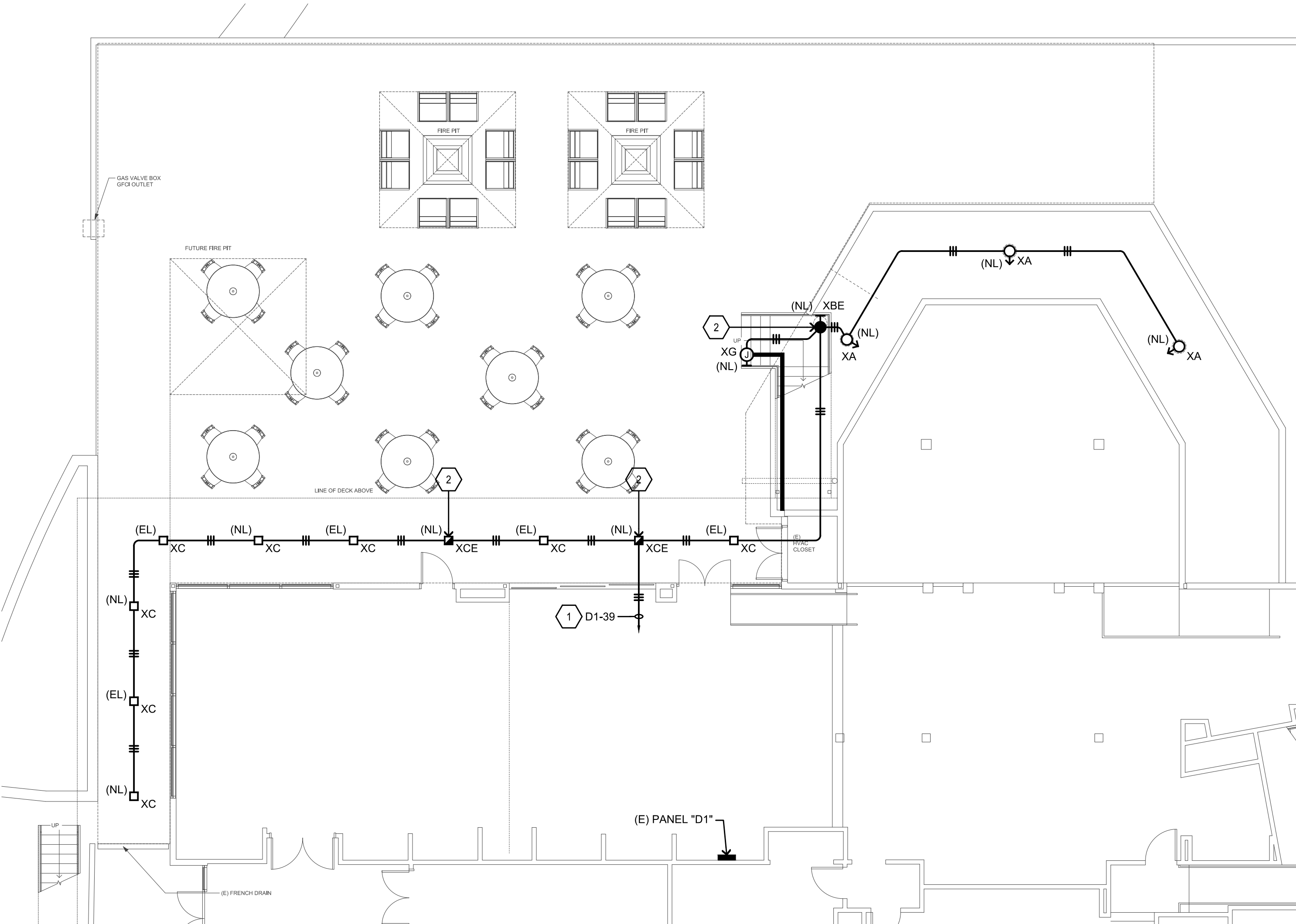
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E2.3



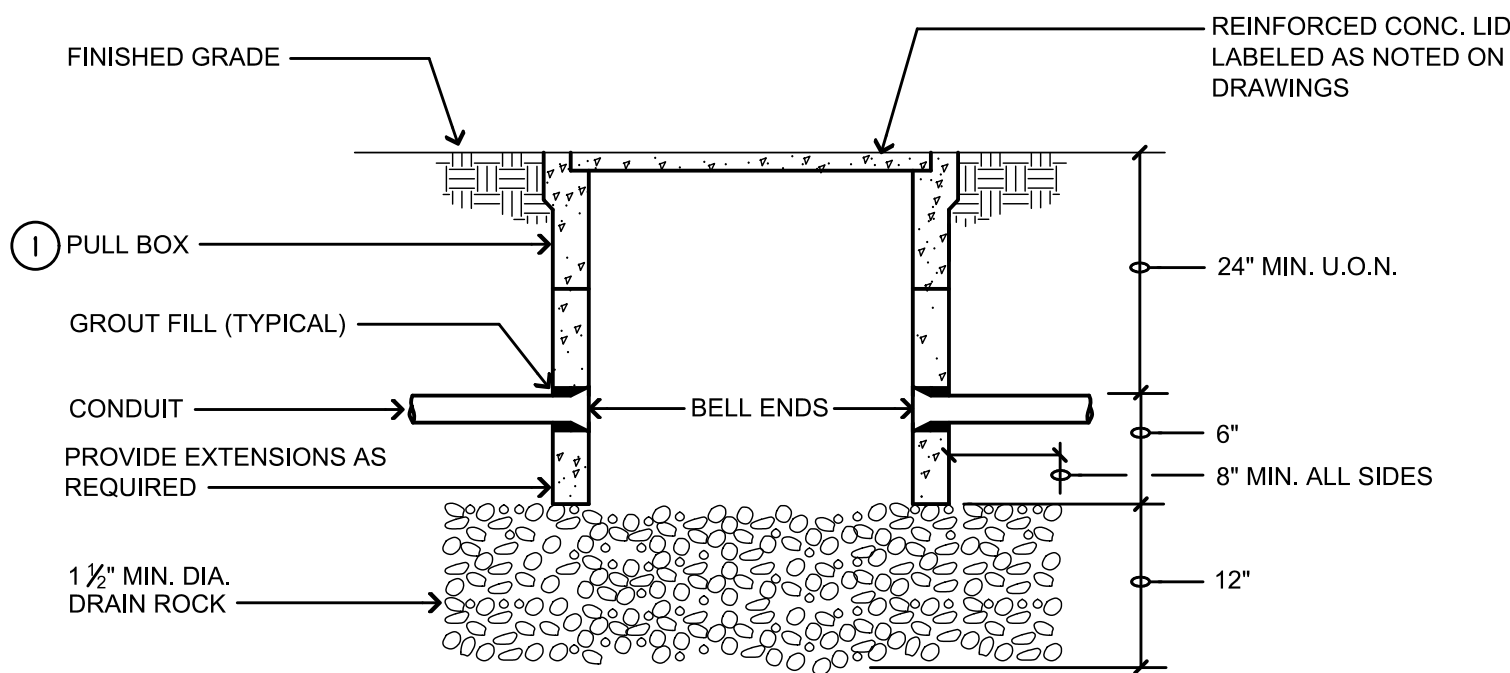
2 LIGHTING PLAN - MAIN FLOOR ENTRY
SCALE: 1/4"=1'-0"



1 LIGHTING PLAN - LOWER FLOOR
SCALE: 1/8"=1'-0"

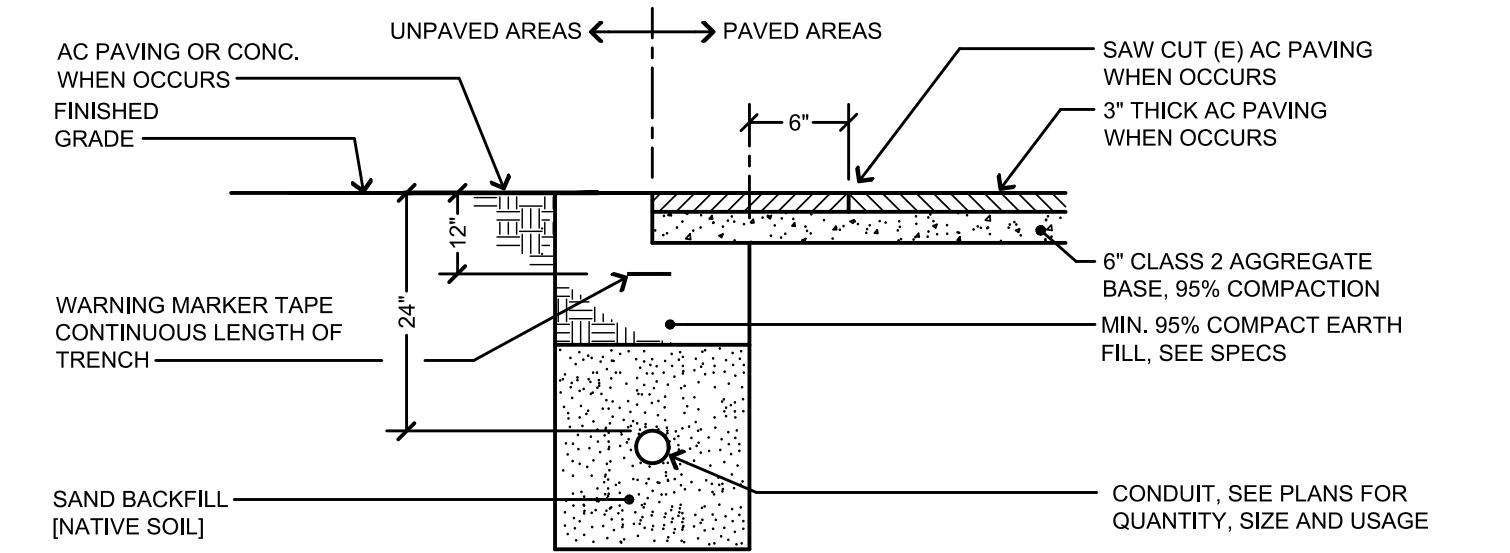
○ DETAIL NOTES:

1. SIZE(S) & MFG. AS NOTED ON DRAWINGS.



2 TYPICAL PULLBOX DETAIL

NO SCALE

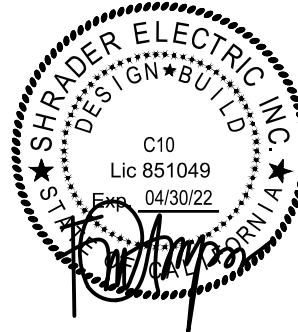


GENERAL NOTES:

- SAW CUT, TRENCH & BACKFILL FOR (N) CONDUITS. PATCH WALKWAY TO MATCH (E) SURROUNDING SURFACES. CARE SHALL BE TAKEN TO PROTECT EXISTING TREES. RESEED OR RESOD (E) DISTURBED PLANTED AREAS TO ARCHITECT'S SATISFACTION.
- EXISTING A.C. SHALL BE CUT AND REMOVED IN SUCH A MANNER SO AS NOT TO TEAR BULGE OR DISPLACE ADJACENT PAVEMENT. EDGES SHALL BE CLEAN AND VERTICAL. ALL CUTS SHALL BE PARALLEL OR PERPENDICULAR TO STREET CENTERLINE, WHEN PRACTICAL.
- BASE MATERIAL TO BE REPLACED TO THE DEPTH OF EXISTING BASE AND COMPACTED TO A MIN. 95% RELATIVE COMPACTION. A.C. MAY BE SUBSTITUTED FOR BASE MATERIAL. WHEN USED AS BACKFILL, CLASS 100-E-100 P.C.C. MAY BE SUBSTITUTED FOR BASE MATERIAL.
- A TACK COAT OF ASPHALTIC EMULSION OR PAVING ASPHALT SHALL BE APPLIED TO EXISTING A.C. AT ALL CONTACT SURFACES, PRIOR TO RESURFACING.
- ASPHALTIC CONCRETE RESURFACING:
A) MINIMUM TOTAL THICKNESS SHALL BE ONE INCH GREATER THAN EXISTING A.C.
B) A.C. SHALL BE HOT PLANT MIX.
- ALL A.C. RESURFACING SHALL BE SEAL COATED WITH AN EMULSIFIED ASPHALT AND COVERED WITH CLEAN SAND.

1 TYPICAL TRENCH SECTION

NO SCALE



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SAN JOSE COUNTRY CLUB
15571 ALUM ROCK AVE SAN JOSE CA

Job Number
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Date
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Sheet Title
ELECTRICAL DETAILS

Scale
AS NOTED

Revisions

- | | |
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E6.1

