

Tustin Unified
School District

TUSD

BARBARA BENSON ELEMENTARY SCHOOL

04-11-2024



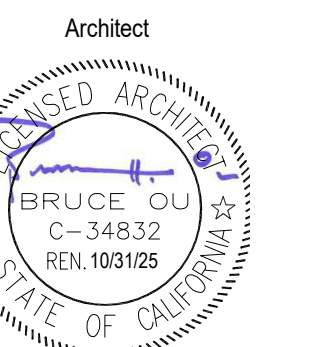
BARBARA BENSON ELEMENTARY SCHOOL

PROJECT ADDRESS:
12712 Elizabeth Way,
Tustin, CA 92780

DSA FILE NO.: xxxxx DSA FILE NO.: xxxxx



Tustin Unified
School District



OWNER

Tustin Unified School District
19251 Dodge Ave
Santa Ana, CA 92705
t: (949) 293-4850
Contact: Tom Rizzuti

ARCHITECT

PBK Architects
2400 E Katella Avenue, Suite 950
Anaheim, CA 92806
t: (949) 548-5000
Contact: Bruce Ou

CIVIL ENGINEER

FPL and Associates, Inc.
30 Corporate Park, Suite 401
Irvine, CA. 92606
t: (949) 252-1688
Contact: RON CANEDY

MEP ENGINEER

LEAF Engineers
2400 E Katella Avenue, Suite 950
Anaheim, CA 92806
t: (949) 548-5000
Contact: Rex Wang

COVER SHEET

GO.00

GENERAL NOTES

- 1. THESE DRAWINGS DO NOT CONTAIN THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
2. LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE AND CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID INTERCEPTING EXISTING PIPING OR CONDUITS.
3. THESE DOCUMENTS AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, ARE THE PROPERTY OF WLC ARCHITECTS, INC. AND ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF WLC ARCHITECTS, INC.
4. THE WORK SHOWN ON THESE DRAWINGS AS EXISTING CONDITIONS WAS PREPARED FROM INFORMATION FURNISHED BY THE OWNER. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, WLC ARCHITECTS, INC. IS NOT RESPONSIBLE FOR THE ACCURACY OR ADEQUACY OF ANY WORK SHOWN AS EXISTING NOR IS WLC ARCHITECTS, INC. RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THESE DRAWINGS AS A RESULT.
5. EACH BIDDER SHALL POSSESS AT THE TIME OF BID A CLASS B OR THE APPROPRIATE CLASS C CONTRACTOR'S LICENSE PURSUANT TO PUBLIC CONTRACT CODE SECTION 3300 AND BUSINESS AND PROFESSIONS CODE SECTION 7028.15. THE SUCCESSFUL BIDDER MUST MAINTAIN THE LICENSE THROUGHOUT THE DURATION OF THIS CONTRACT.
6. ENACT ALL MEASURES TO PROTECT AND SAFEGUARD ALL EXISTING ELEMENTS TO REMAIN FROM BEING DAMAGED. REPLACE OR REPAIR EXISTING ELEMENTS DAMAGED BY THE EXECUTION OF THIS CONTRACT TO EQUAL OR BETTER CONDITION.
7. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE EXISTING OR NEW STRUCTURAL ELEMENTS SHALL NOT BE STARTED UNTIL THE DETAILS HAVE BEEN REVIEWED AND APPROVED BY THE ARCHITECT, AND STRUCTURAL ENGINEER OF RECORD.
8. VERIFY DIMENSIONS AND EXISTING CONDITIONS BEFORE COMMENCING WORK. REPORT DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH AFFECTED WORK.
9. DIMENSIONS NOTED AS "FIELD VERIFY" SHALL BE CHECKED AT THE SITE BY THE CONTRACTOR AND REVIEWED WITH THE ARCHITECT BEFORE INCORPORATING INTO THE WORK.
10. NOTES OR DIMENSIONS LABELED "TYPICAL" SHALL APPLY TO SITUATIONS THAT ARE THE SAME OR SIMILAR.
11. ALL SPACES WITH FLOOR DRAINS TO HAVE FINISHED FLOORS SLOPED TO DRAIN NOT TO EXCEED ONE IN FIFTY.
12. ALL FLOORS FINISH CHANGES SHALL OCCUR AT THE CENTERLINE OF DOORS UNLESS NOTED OTHERWISE. ALL FLOOR FINISH CHANGES SHALL HAVE THRESHOLDS OR REDUCER STRIPS.
13. COORDINATE HOUSEKEEPING PAD DIMENSIONS AND LOCATIONS WITH EQUIPMENT TO BE INSTALLED.
14. ALL DOORS IN INTERIOR GYP. BD STUD WALLS SHALL BE SET 4" OFF THE PERP. ADJ. WALL ON THE HINGE SIDE OF THE DOOR UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL CONTACT THE ARCHITECT IF ANY CONFLICTS OCCUR.
15. UNLESS OTHERWISE NOTED, ALL ELECTRICAL AND MECHANICAL OPERABLE DEVICES SHALL BE MOUNTED WITH THE HIGHEST OPERABLE CONTROL AT MAX. OF 42" AFF.
16. FIRE SAFETY DURING CONSTRUCTION
A. GENERAL: FIRE SAFETY DURING CONSTRUCTION SHALL COMPLY WITH CALIFORNIA FIRE CODE (CFC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 9, CHAPTER 5 AND CHAPTER 33.
B. ACCESS ROADS: FIRE DEPARTMENT ACCESS ROADS SHALL BE ESTABLISHED AND MAINTAINED IN ACCORDANCE WITH CHAPTER 5, SECTION 501.4 AND CHAPTER 33, SECTION 3310.
C. WATER SUPPLY: WATER MAINS AND HYDRANTS SHALL BE OPERATIONAL IN ACCORDANCE WITH CHAPTER 5, SECTION 501.4 AND CHAPTER 33, SECTION 3312.
D. BUILDING ACCESS: ACCESS TO BUILDINGS FOR THE PURPOSE OF FIREFIGHTING SHALL BE PROVIDED. CONSTRUCTION MATERIAL SHALL NOT BLOCK ACCESS TO BUILDINGS, HYDRANTS, OR FIRE APPLIANCES.
E. ALTERATIONS OF BUILDINGS: SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 33.
F. DEMOLITION OF BUILDINGS: SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 33.
G. FIRE WATCH: MAINTAIN FIRE WATCH WHEN REQUIRED BY THE BUILDING OFFICIAL AND WHEN EXISTING FIRE PROTECTION SYSTEMS ARE SHUT DOWN FOR ALTERATIONS IN ACCORDANCE WITH CHAPTER 33, SECTION 3304.5. FIRE WATCH SHALL REMAIN IN EFFECT UNTIL EXISTING FIRE PROTECTION SYSTEMS ARE RETURNED TO SERVICE OR AS ALLOWED BY THE BUILDING OFFICIAL.
17. PENETRATIONS TO FIRE RATED MATERIALS OR ASSEMBLIES SHALL BE RESTORED TO EQUAL RATING. FIRE STOP SYSTEMS AS LISTED BY UNDERWRITERS LABORATORIES SHALL BE INSTALLED PER FIRE RESISTANCE DIRECTORY. FIRE STOP SYSTEMS SHALL BE AS SPECIFIED.
18. NONRESIDENTIAL ENERGY STANDARDS COMPLIANCE STATEMENT (TITLE 24, PART 6):
THE DESIGN INDICATED HEREIN COMPLIES WITH THE REQUIREMENTS OF THE ENERGY CONSERVATION STANDARDS OF TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS. THE PROPOSED BUILDING(S) WILL BE IN COMPLIANCE WITH THE ENERGY CONSERVATION STANDARDS PROVIDED IT (THEY) IS (ARE) BUILT ACCORDING TO THESE DRAWINGS AND SPECIFICATIONS AND PROVIDED ANY FUTURE IMPROVEMENTS ARE COMPLETED ACCORDING TO THE REQUIREMENTS OF TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS. THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED TO INCLUDE ALL SIGNIFICANT ENERGY CONSERVATION FEATURES REQUIRED FOR COMPLIANCE WITH THE STANDARDS. BUILDING AREAS THAT ARE UNCONDITIONED AND/OR NOT SUBJECT TO THE STANDARDS ARE INDICATED ON THE PLANS.
ENVELOPE MANDATORY MEASURES:
A. INSTALLED INSULATING MATERIALS SHALL HAVE BEEN CERTIFIED BY THE MANUFACTURER TO COMPLY WITH THE CALIFORNIA QUALITY STANDARDS FOR INSULATING MATERIAL.
B. ALL INSULATING MATERIALS SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF TITLE 24, PART 2, CALIFORNIA CODE OF REGULATIONS, SECTIONS 720 AND 2803.
C. ALL EXTERIOR JOINTS AND OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL AND OBSERVABLE SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHERSTRIPPED, OR OTHERWISE SEALED.
D. SITE CONSTRUCTED DOORS, WINDOWS, AND SKYLIGHTS SHALL BE CAULKED BETWEEN THE UNIT AND THE BUILDING, AND SHALL BE WEATHERSTRIPPED (EXCEPT FOR UNFRAMED GLASS DOORS AND FIRE DOORS).
E. MANUFACTURED DOORS AND WINDOWS INSTALLED SHALL HAVE AIR INFILTRATION RATES CERTIFIED BY THE MANUFACTURER IN ACCORDANCE WITH TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS, SECTION 110.6.
F. MANUFACTURED FENESTRATION PRODUCTS IN THE ENVELOPE OF THE BUILDING, INCLUDING, BUT NOT LIMITED TO, WINDOWS, SLIDING GLASS DOORS, FRENCH DOORS, SKYLIGHTS, CURTAIN WALLS, AND GARDEN WINDOWS MUST BE LABELED FOR U-VALUE & SHGC IN ACCORDANCE WITH THE (NFRC) NATIONAL FENESTRATION RATING COUNCIL'S INTERIM U-VALUE & SHGC RATING PROCEDURE.
19. INSPECTOR OF RECORD REQUIREMENTS
A. ONE OR MORE INSPECTORS EMPLOYED BY THE OWNER IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS WILL BE ASSIGNED TO THE WORK. THE INSPECTOR'S DUTIES ARE SPECIFICALLY DEFINED IN SECTION 4-342 OF SAID TITLE 24, PART 1 AND IN ADDITION SHALL BE AS STIPULATED IN INTERPRETATION OF REGULATION DOCUMENT IR-8.
B. INSPECTOR SHALL BE CERTIFIED AS A CLASS 3 INSPECTOR THROUGH THE DIVISION OF THE STATE ARCHITECT INSPECTOR EXAMINATION PROGRAM. INSPECTOR SHALL ALSO BE SPECIFICALLY APPROVED BY THE DIVISION OF THE STATE ARCHITECT FOR THIS PROJECT AT LEAST 10 DAYS PRIOR TO THE START OF ANY WORK FOR THIS PROJECT.
20. ALL WORK SHOWN ON THESE DRAWINGS SHALL COMPLY WITH THE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
21. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY TITLE 24, CCR, PART 1, SECTION 4-338.
22. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
23. DRINKING WATER SHALL COMPLY WITH ALL LOCAL HEALTH DEPARTMENT REQUIREMENTS.
24. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ADDITION, ALTERATION OR RECONSTRUCTION IS IN COMPLIANCE WITH THE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY COMMIDIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT IDENTIFIED BY THE CONTRACT DOCUMENTS WHEREIN THE FINAL WORK WOULD NOT COMPLY WITH THE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND THE ARCHITECT OF THE CONDITION IN WRITING. NECESSARY INFORMATION REQUIRED TO CORRECT THE CONDITIONS ENCOUNTERED WILL BE ISSUED BY THE ARCHITECT. A CHANGE ORDER MAY BE ISSUED TO ADJUST THE CONTRACT SUM OR TIME COMMENSURATE WITH THE AMOUNT OF ADDITIONAL WORK REQUIRED, IF ANY. THE CHANGE ORDER SHALL BE APPROVED BY THE DIVISION OF THE STATE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK REQUIRED BY THE CHANGE ORDER.
25. ALL SLOPE AND CROSS SLOPE OF ACCESSIBLE ROUTE PAVING INDICATED ON THESE DRAWINGS WAS DESIGNED IN COMPLIANCE WITH THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE THE ACCESSIBILITY STANDARDS OF THE CALIFORNIA BUILDING CODE, (CBC) TITLE 24, PART 2, CHAPTER 11B OF THE CALIFORNIA CODE OF REGULATIONS (CCR). STRICT EXECUTION OF THE SLOPE AND CROSS SLOPE OF ACCESSIBLE ROUTE PAVING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. SHOULD A CONDITION PRESENT ITSELF THAT WOULD RESULT IN AN INSTALLATION OTHER THAN WHAT IS INDICATED IN THESE DRAWINGS, WLC ARCHITECTS, INC. SHALL BE NOTIFIED IN WRITING AND A COMPLIANT RESOLUTION WILL BE FORMULATED.
26. FEMA NOTES:
FEMA FIRM PANEL #06050C0168J
EFFECTIVE DATED: 12/02/2009
FLOOD ZONE DESIGNATION: 0.2% ANNUAL CHANCE FLOOD HAZARD, AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE LESS THAN ONE FOOT OR WITH DRAINAGE AREAS OF LESS THAN ONE SQUARE MILE, ZONE X

STATEMENT OF GENERAL CONFORMANCE

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS (Application No. _____ File No. _____)

- The drawings or sheets listed on the cover or index sheet (see asterisk *)
This drawing, page of specifications/calculations

have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

- 1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

The Statement of General Conformance *shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344* of Title 24, Part 1, (Title 24, Part 1, Section 4-317 (b))

I certify that: [] The drawings or sheets listed on the cover or index This drawing or page
[] is/are in general conformance and [] is/are in general conformance and [] have been coordinated [] have been coordinated
Signature: BRUCE OU Date: APRIL 5, 2024
Signature: _____ Date: _____
Print Name: _____ Print Name: _____
License Number: C34832 Expiration Date: OCTOBER 31, 2025 License Number: _____ Expiration Date: _____

SCOPE OF WORK

RELOCATION OF (1) 24'X40' MODULAR CLASSROOM BUILDING FROM STOCKPILE (A#04-122805) SRL# SRL# C228828 & C228829. ASSOCIATED BUILDING WORK INCLUDES LOW VOLTAGE AND FIRE ALARM. ASSOCIATED SITE WORK INCLUDES PAVING, ACCESSIBLE PARKING, MANUFACTURED RAMPS (A# 04-121419), BUILDING B AND C, RESTROOM UPGRADES.
NOTE: FIRE SAFETY DURING DEMOLITION AND/OR CONSTRUCTION SHALL COMPLY WITH 2022 CFC CHAPTER 33

CODES & STANDARDS

PARTIAL LIST OF APPLICABLE CODES
2022 California Administrative Code (CAC) (Part 1, Title 24, CCR)
2022 California Building Code (CBC) (Part 2, Title 24, CCR)
2022 California Electrical Code (CEC) (Part 3, Title 24, CCR)
2022 California Fire Code (CFC) (Part 4, Title 24, CCR)
2022 California Plumbing Code (CPC) (Part 5, Title 24, CCR)
2022 California Energy Code (CEC) (Part 6, Title 24, CCR)
2022 California Fire Code (CFC) (Part 7, Title 24, CCR)
2022 California Existing Building Code (CEBC) (Part 10, Title 24, CCR)
2022 California Green Building Standards Code (CAL Green) (Part 11, Title 24, CCR)
2022 California Referenced Standards Code (Part 12, Title 24, CCR)
Title 19, CCR, Public Safety, State Fire Marshal Regulations
2019 ASME A17.1-13 Safety Code For Elevators and Escalators (per 2022 CBC Part 2, Ch 30)
Note: Cal/OSHA Elevator Unit enforces CCR Title 8 and uses the 2004 ASME A17.1 by adoption
PARTIAL LIST OF APPLICABLE STANDARDS
NFPA 13 Automatic Fire Sprinkler Systems (2022 Edition)
NFPA 14 Standpipe and Hose Systems (2019 Edition)
NFPA 17 Dry Chemical Extinguishing Systems (2021 Edition)
NFPA 17A Wet Chemical Extinguishing Systems (2021 Edition)
NFPA 20 Stationary Pumps for Fire Protection (2019 Edition)
NFPA 24 Standard for the Installation of Private Fire Service Mains & their Appurtenances (CA amended) (2019 Edition)
NFPA 25 Standard for Inspection, Testing and Maintenance of Water-Based Fire Protection Systems (CA amended) (2013 Edition)
NFPA 72 National Fire Alarm & Signaling Code (CA amended) (2022 Edition)
NFPA 80 Fire Doors and Other Opening Protectives (2018 Edition)
NFPA 92 Standard for Smoke Control Systems (2018 Edition)
NFPA 95 Critical Risk and Plus of Floor-Covering Systems (2018 Edition)
NFPA 2001 Clean Agent Fire Extinguishing Systems (CA amended) (2018 Edition)
ICC 300 ICC-300 Code on Staircases, Folding and Telescoping Seating and Grandstands (2017 Edition)
UL 300 Fire Testing of Fire Extinguishing Sys for Protection of Restaurant Cooking Areas (2005 (R2010))
UL 464 Audible Signal Appliances (2003 Edition)
UL 521 Heat Detectors for Fire Protective Signaling Systems (1999 Edition)
For a complete list of applicable NFPA standards refer to 2022 CBC (SFM) Chapter 35 and California Fire Code Chapter 80
See California Building Code Chapter 35 for State of California amendments to the NFPA Standards.

PROJECT DATA

PROJECT ADDRESS: 1302 Mitchell Ave Tustin, CA 92780

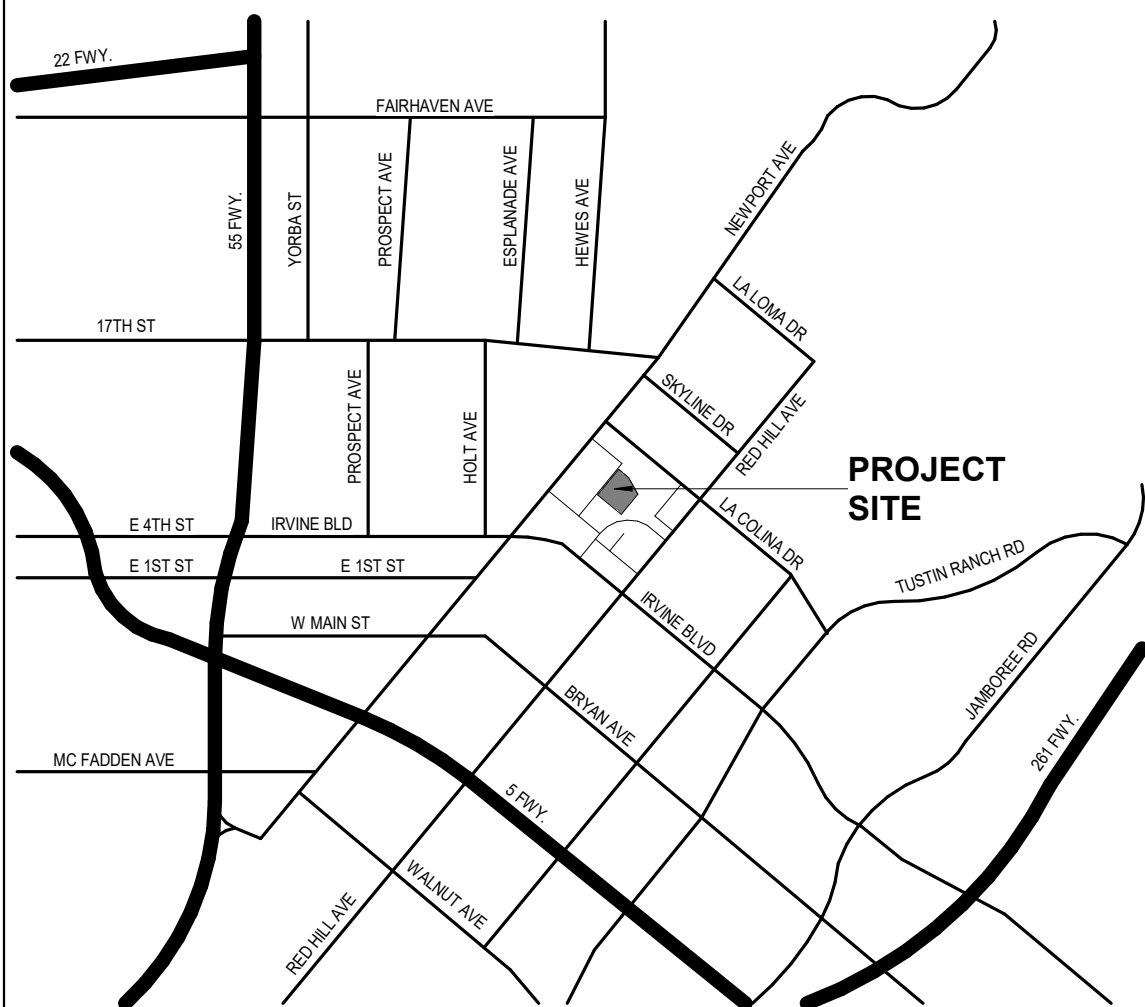
SHEET NUMBERING

A2.01A BUILDING AREA
SEQUENCE (01 - 99.....etc.)
SHEET DISCIPLINE TYPE
DISCIPLINE
0 - GENERAL (Cover, A0 Sheets)
1 - SITE PLANS & DETAILS
2 - FLOOR PLANS (Note: Flip Sheets are Scheduled)
3 - ROOF
4 - ADA ENLARGED PLANS
5 - PLAN DETAILS
6 - EXTERIOR/INTERIOR ELEVATIONS
7 - PARTITION TYPES & WALL SECTIONS
8 - CASEWORK ELEVATIONS
9 - WINDOWS, DOORS, FRAME ELEVATIONS & DETAILS
10 - REFLECTED CEILING PLANS & DETAILS
11 - TECHNOLOGY

DSA NOTES

- 1. ALL WORK SHALL CONFORM TO 2022 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR
3. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR, CLASS 3

VICINITY MAP



ABBREVIATIONS

Table of abbreviations including: AREA DRAIN, AMERICANS WITH DISABILITIES ACT, ABOVE FINISH FLOOR, ABOVE FINISH GRADE, AUTHORITY HAVING JURISDICTION, AIR CONDITIONING, ACOUSTICAL PANEL, ACOUSTICAL TILE, ADJUSTABLE, ALTERNATE, ALUMINUM, ASPHALT, ANGLE, BUILT-UP ROOF, BOARD, BUILDING, BLOCK, BEAM, CHANNEL, CONTROL JOINT, CONCRETE MASONRY UNIT, COLD WATER, CABINET, COLD FORMED METAL FRAMING, CENTERLINE, CEILING, CLEAR, COLUMN, COMPRESSIBLE, CONCRETE, CONDITION, CORRIDOR, CARPET (ED), CERAMIC TILE, CLEAR TEMPERED GLAZING, COUNTER SINK, DRYER, DRINKING FOUNTAIN, DAMPROOFING, DOWN SPOUT, SIMILAR, DIMENSION, DETAIL, DRAWING, EXPANSION JOINT, EQUAL, EACH, ELECTRIC DRINKING FOUNTAIN, ELEVATION (HEIGHT), ELECTRICAL, ELEVATION (DRAWING), EQUIPMENT, EXISTING, EXPANSION, EXTERIOR, FIRE EXTINGUISHER, FIRE EXTINGUISHER CABINET, FIRE HOSE CABINET, FACE BRICK, FLOOR DRAIN, FINISH (ED), FIXTURE, FLOOR (ING), FLASHING, FLOURESCENT, GRAB BAR, GALVANIZED IRON, GAUGE, GALVANIZED, GLAZED CONCRETE MASONRY UNIT, GENERAL, GENERAL, GENERAL / GLAZING, GLASS, GRADE, GLAZED TILE PAVER, GYPSUM DRYWALL, HOT WATER, HOLLOW METAL FRAME, HORIZONTAL, HEIGHT, INSIDE DIAMETER, IRON PIPE SIZE, INSULATE (ED), (ION), INTERIOR, INTERNATIONAL SYMBOL OF ACCESSIBILITY, JOINT, LIGHT POLE, LAMINATE (D), LAVATORY, LIGHT, LIGHTWEIGHT, MASONRY OPENING, MASONRY, MATERIAL (S), MAXIMUM, MARKER BOARD, MECHANICAL MEMBRANE, MEMBRANE, MEZZANINE, MEZZANINE (R), MANHOLE, MINIMUM, MISCELLANEOUS, MODULAR, METAL, METAL TOILET PARTITION, NAPKIN DISPOSAL, NOT IN CONTRACT, NOT RATED, NOT TO SCALE, NAPKIN VENDOR, NUMBER, ON CENTER (S)

DRAWING INDEX

Table listing drawing titles and sheet numbers: GENERAL (COVER SHEET, SHEET INDEX / GENERAL NOTES, FIRE ACCESS SITE PLAN), CIVIL (SITE DEMOLITION PLAN, GRADING PLAN, SITE WET UTILITY PLAN, DETAIL SHEET), ARCHITECTURAL (OVERALL SITE PLAN, ENLARGED SITE PLAN, ENLARGED PLANS AND ELEVATIONS, ENLARGED PARKING PLANS AND DETAILS, SPECIALTY DETAILS), ELECTRICAL * (ELECTRICAL SYMBOLS, LEGENDS & GENERAL NOTES, ELECTRICAL TITLE 24, ELECTRICAL SITE PLAN, ELECTRICAL POWER PLAN, ELECTRICAL DETAILS, ELECTRICAL SINGLE LINE DIAGRAM), FIRE ALARM (FIRE ALARM SYMBOLS, LEGENDS & GENERAL NOTES, FIRE ALARM SITE PLAN, FIRE ALARM FLOOR PLAN, RISER DIAGRAM AND CALCULATIONS, FIRE ALARM DETAILS), TECHNOLOGY * (TECHNOLOGY COVER SHEET, TECHNOLOGY RISER DIAGRAM AND SCHEDULES, TECHNOLOGY SITE PLAN, TECHNOLOGY ENLARGED PLAN, TECHNOLOGY ENLARGMENT PLAN, TECHNOLOGY DETAILS), #A#04-122805 (MODULAR CLASSROOM BUILDING) (24X40 FLOOR PLAN, WOOD FOUNDATION NOTES SCHED FOR BLDG W/ 50'-15' WOOD FOUNDATION PLAN 24X40 BLDG W/ 50'-15' MODLINE "B" W/ EXTERIOR WALLS BACK-TO-BACK 100 PSF WOOD FOUNDATION DETAILS, ROOF PERIMETER TRUSS, ALO, CDD 001_A, STRUCTURAL DETAILS (FLOOR)), #A#04-121419 (RAMP/LANDING) (MODULE PLAN AND NOTES (COVER SHEET), RAMP AND LANDING PLAN, FOUNDATION PLAN FRAMING, RAMP AND LANDING / STAIR FRAMING ELEVATION, RAMP DETAILS, RAMP DETAILS, STAIR CONN)

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ARCHITECT ANAHEIM PBK Architects, Inc. 2400 East Katella Ave, Suite 950 Anaheim, CA 92806 P 949-548-5000

BARBARA BENSON ELEMENTARY SCHOOL PROJECT ADDRESS: 12712 Elizabeth Way, Tustin, CA 92780 DSA FILE NO. XXXX DSA FILE NO. XXXX



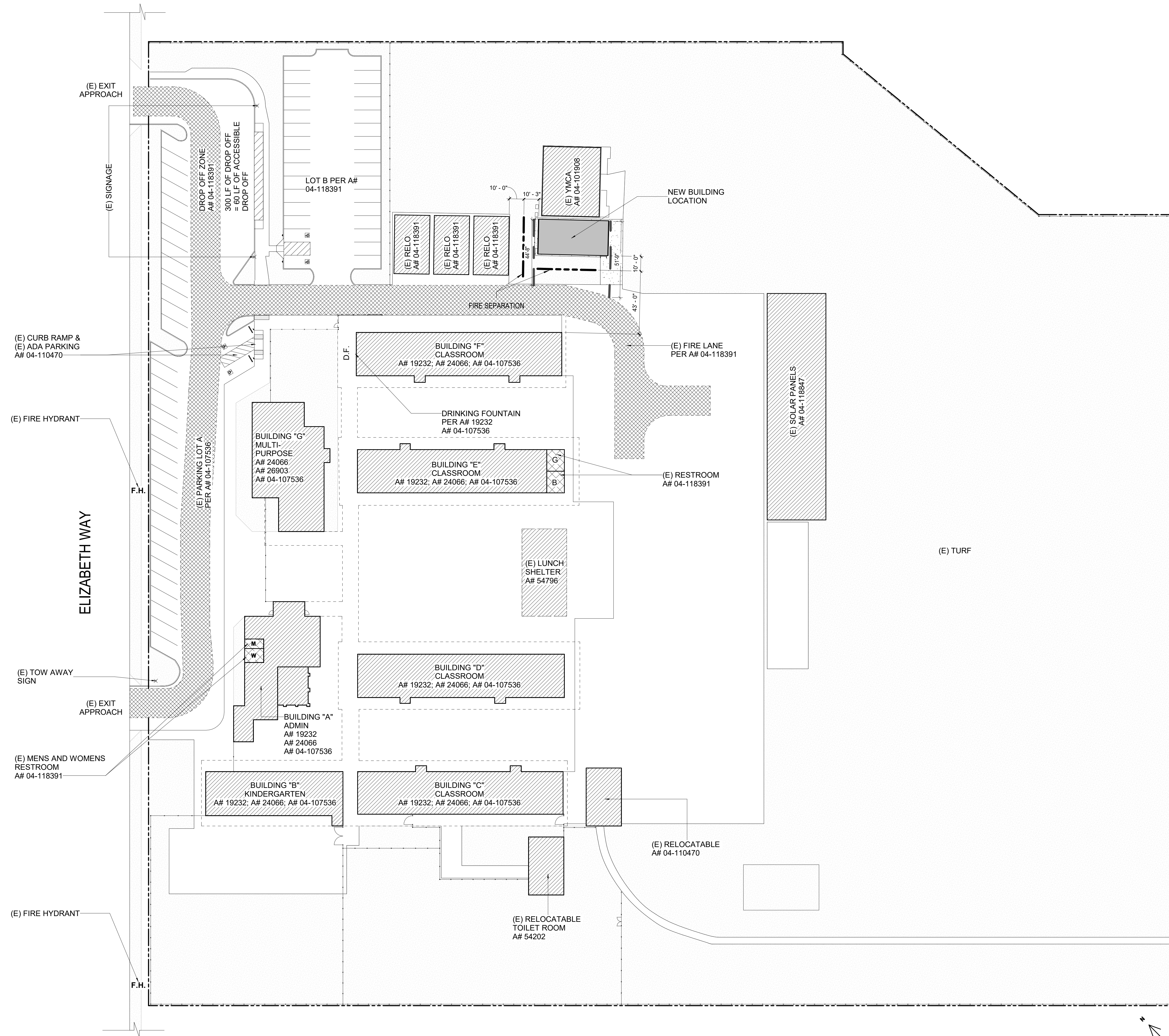
Consultant

Architect

CLIENT: DATE 04-11-2024 PROJECT NUMBER 230379

REVISIONS table with columns: No., Description, Date

SHEET INDEX / GENERAL NOTES



SITE PLAN LEGEND

- (E) FIRE LANE A#04-118391
- PROPOSED RELOCATABLE BUILDINGS
- (E) BUILDING NIC
- PROPERTY LINE
- FIRE HOSE PULL

BUILDING FIRE FLOW DATA

BUILDING	960 S.F.
FIRE FLOW REQUIRED (CFC 105.1)	1,750 GPM
MIN. NUMBER OF HYDRANTS REQUIRED	1

810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new buildings, additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply. Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for Buildings.

PROJECT INFORMATION

School District/Owner:	Tustin Unified School District
Project Name/School:	Barbara Benson Elementary School
Project Address:	12712 Elizabeth Way, Tustin, CA 92780

FIRE & LIFE SAFETY INFORMATION

1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
3. Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal Fire? (If yes, indicate FHSZ classification below.)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Refer to the following website for FHSZ locations: https://data.ca.gov/dataset/fhsz	Moderate <input type="checkbox"/>	High <input type="checkbox"/>
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)	WIFA <input type="checkbox"/>	

FIRE FLOW TEST

SoCal Flow Testing
3741 Rose Dr, Yorba Linda, CA 92886
email: info@socalflowtest.com
714-261-6716

Hydrant Flow Test Report

Project: **Benson Elementary School** Test date: **11/8/23**
Address: **12712 Elizabeth Way** Test time: **09:30**
City: **Tustin** State: **CA** File no.:

Test hydrant location: **In front of 12712 Elizabeth Way (center of parking lot)**

Flow hydrant location: **In front of 12712 Elizabeth Way (west corner of field)**

Outlet	C-value	Diam	Flow	Pressure	Volume
A	0.9	2.0	0	PSI	0 GPM
B	0.9	2.5	21	PSI	769 GPM
C	0.9	3.0	0	PSI	0 GPM
D	0.83	4.0	0	PSI	0 GPM

Residual Pressure: **59** PSI at an observed volume of **769** GPM
Projected Pressure: **20** PSI calculates to a volume of **3929** GPM

Although the results are accurate for the date and time given, they may not accurately reflect higher or lower readings which vary due to seasonal conditions and time of day.
Per NFPA 24-10, Table C.4.10.1(a), note 1, Q=95.84 x (d^5/PL)^0.54
Per NFPA 24-10, Paragraph C.4.10.1.2, Q = Q₁ x (P₁/P₂)^{0.54}

Test by: **Hildebrandt**

Witness: **Dave Wallack**
Tustin Water
(714) 373-3379

Client: **Tom Ripoll**
Tustin Unified School District
(949) 293-4650

cc: medina@tustinca.org
trzu@tustin.k12.ca.us

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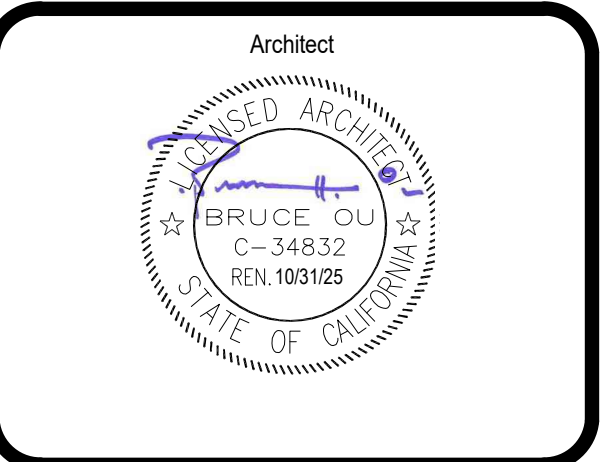
ARCHITECT ANAHEIM PBK Architects, Inc.
2400 East Katella Ave, Suite 950
Anaheim, CA 92806
P 949-548-5000

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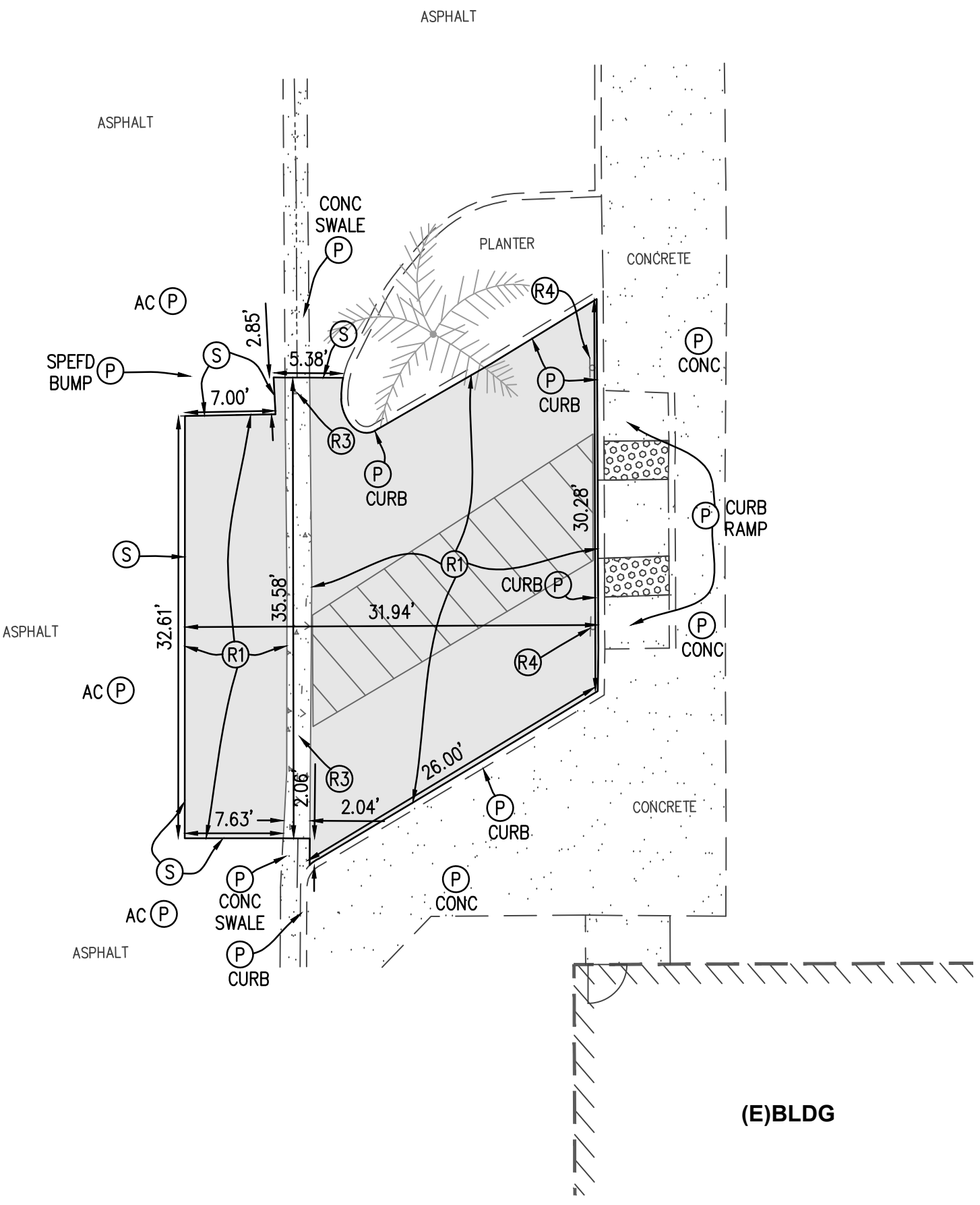
PROJECT ADDRESS:
12712 Elizabeth Way,
Tustin, CA 92780

Consultant



CLIENT		
TUSD		PROJECT NUMBER
DATE	04-11-2024	230379
REVISIONS		
No.	Description	Date

FIRE ACCESS SITE PLAN



HATCH LEGEND:

	= PROTECT EXISTING BUILDING
	= REMOVE EXISTING CONCRETE SWALE (R3)
	= REMOVE EXISTING ASPHALT PAVEMENT (R1)
	= CLEAR & GRUB EXISTING LANDSCAPE (R2)

SITE DEMOLITION NOTES

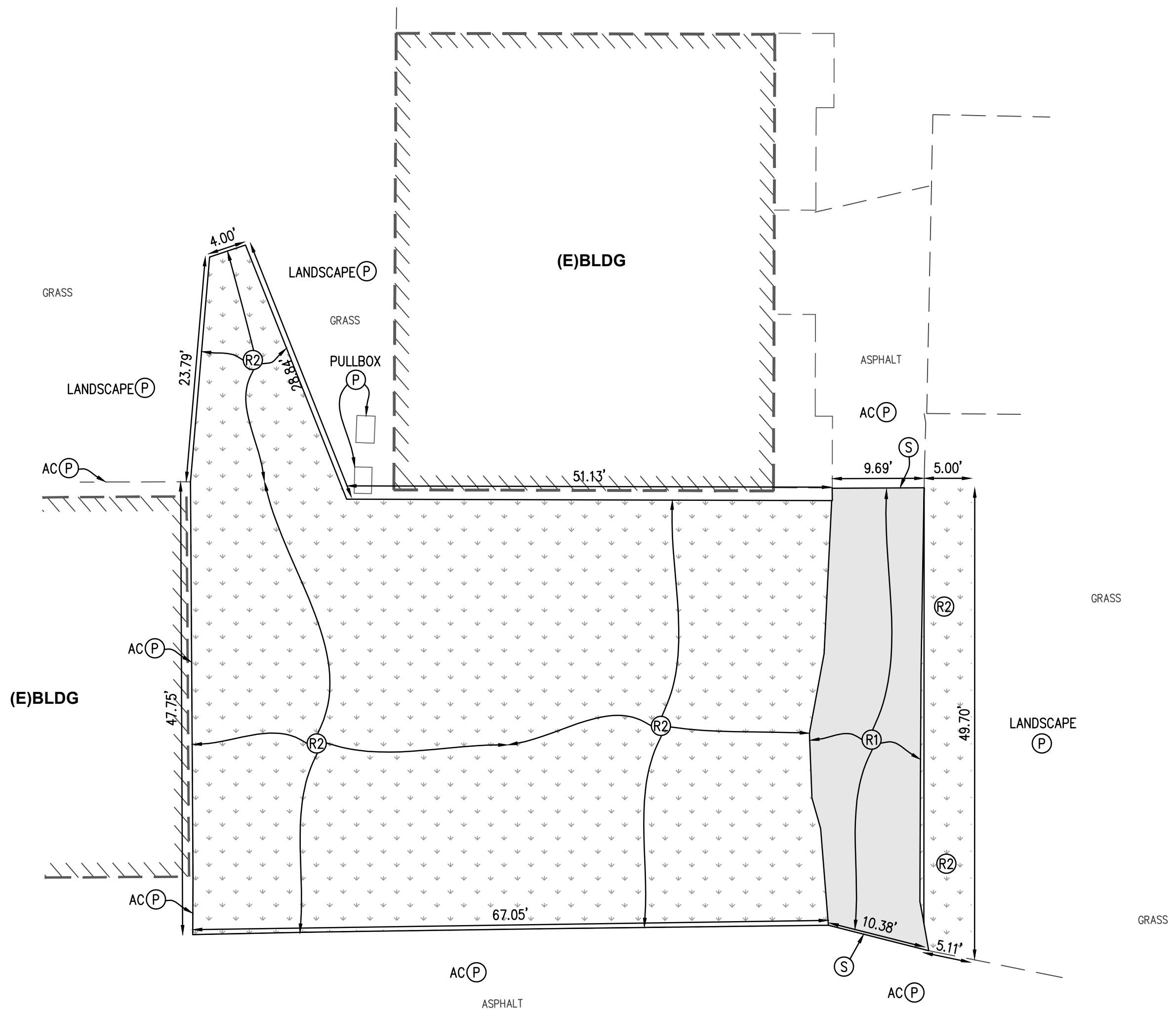
(P)	PROTECT EXISTING IMPROVEMENT IN PLACE.
(S)	SAWCUT EXISTING ASPHALT PAVEMENT WITH CLEAN EDGE.
(R)	REMOVE & DISPOSE OF EXISTING IMPROVEMENT.
(R1)	REMOVE & DISPOSE EXISTING ASPHALT PAVEMENT.
(R2)	CLEAR & GRUB EXISTING LANDSCAPE.
(R3)	REMOVE & DISPOSE OF CONCRETE SWALE.
(R4)	REMOVE, STORE AND REINSTALL EXISTING ADA PARKING STALL SIGNAGE AFTER NEW ASPHALT INSTALLATION.

EARTHWORK NOTICE TO CONTRACTOR: NO EARTHWORK ANALYSIS HAS BEEN COMPLETED WITH RESPECT TO VOLUMES OF SOILS TO BE EXCAVATED, PLACED, OR IMPORTED IN ORDER TO PROVIDE THE FINISHED GRADES SHOWN ON THE PLANS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE EARTHWORK QUANTITIES NECESSARY TO COMPLETE THE PROJECT.

CONSTRUCTION STORM WATER NOTE: GRADING WORK ASSOCIATED WITH THIS PROJECT WILL DISTURB LESS THAN 1 ACRE OF SOIL AND THUS SHALL NOT BE SUBJECT TO COMPLY WITH THE NPDES GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION AND LAND DISTURBANCE ACTIVITIES (GENERAL PERMIT) ORDER WQ 2022-0057-DWQ.

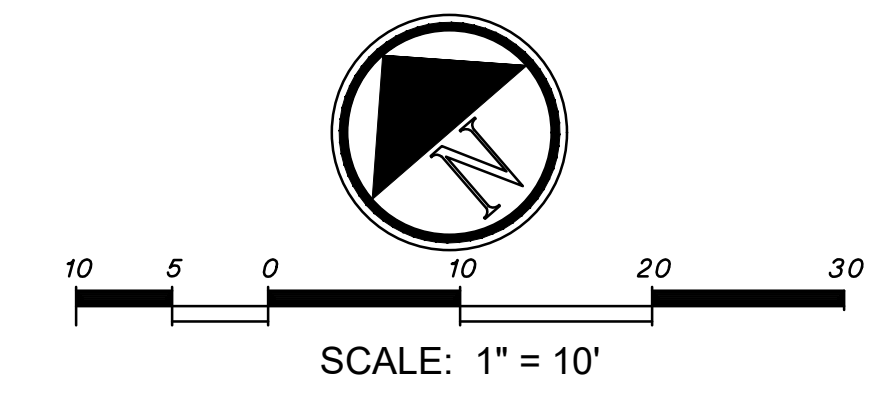
GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

NOTE TO CONTRACTOR: BEFORE DEMOLITION OR TRENCHING OCCURS, THE CONTRACTOR SHALL COMPLETE AN UNDERGROUND UTILITY MAPPING SURVEY OF THE ENTIRE LIMITS OF WORK TO DETERMINE WHERE EXISTING UTILITIES ARE AND WHERE POSSIBLE UNDERGROUND CONFLICTS MAY OCCUR. PROVIDE SURVEY TO OWNER.



GENERAL DEMOLITION NOTES

- ALL ITEMS, SHOWN ON THIS PLAN TO BE REMOVED, SHALL BE VERIFIED BY THE SCHOOL DISTRICT PRIOR TO DEMOLITION. THE CONTRACTOR SHALL MEET WITH THE SCHOOL'S REPRESENTATIVE PRIOR TO CLEARING AND GRUBBING.
- THE CONTRACTOR SHALL VERIFY THE LOCATION AND QUANTITY OF EXISTING SURFACE STRUCTURES AND SHALL BE SOLELY RESPONSIBLE FOR ANY UNIDENTIFIED UTILITIES, IMPROVEMENTS, TREES, ETC., TO BE DEMOLISHED AND REMOVED WITHIN THE DEMOLITION LIMIT LINE, INCLUDING APPURTENANT FOUNDATIONS OR SUPPORTS.
- REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIAL.
- ALL CONCRETE & CMU BLOCK WALLS & PLANTERS SHOWN ON THIS PLAN TO BE REMOVED SHALL INCLUDE WALL FOOTINGS & FOUNDATIONS IN THEIR REMOVAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FIELD VERIFY AND FULLY ACKNOWLEDGE THE EXTENT OF THE DEMOLITION WORK. ALL ITEMS TO BE REMOVED SHALL BE MARKED BY THE CONTRACTOR PRIOR TO DEMOLITION.
- DAMAGE TO ANY EXISTING UTILITIES AND SERVICES WHICH ARE TO REMAIN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR AND/OR REPLACE IN KIND.
- TEMPORARY EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO PREVENT DEBRIS AND UNSUITABLE MATERIALS FROM ENTERING STORM DRAIN, SANITARY SEWERS AND STREETS.
- DUST CONTROL SHALL BE IMPLEMENTED DURING DEMOLITION.
- THE PROVISIONS OF CALIFORNIA FIRE CODE CHAPTER 14 AND CALIFORNIA BUILDING CODE CHAPTER 37 SHALL BE ENFORCED ON THIS PROJECT.
- THE CONTRACTOR SHALL PREPARE HIS OWN UNDERGROUND UTILITY MAPPING SURVEY OF THE SITE AND MARK, WITH PAINT, THE LOCATIONS OF ALL EXISTING UTILITIES FOUND PRIOR TO DEMOLITION.
- THE CONTRACTOR SHALL DEMOLISH AND REMOVE ALL LANDSCAPING WATERING SYSTEMS WITHIN THE DEMOLITION LIMIT LINE UNLESS DESIGNATED TO REMAIN IN PLACE ON THE PLANS. WHERE THE DEMOLITION IMPACTS EXISTING LANDSCAPE TO REMAIN, MODIFY THE EXISTING IRRIGATION SYSTEM, INCLUDING ADDING IRRIGATION HEADS AS NECESSARY TO MAINTAIN COMPLETE AND FULL COVERAGE OF EXISTING PLANNING.
- CONTRACTOR SHALL NOT DAMAGE ANY PUBLIC SIDEWALK DURING THE COURSE OF HIS WORK. THE USE OF SHORING ON SCHOOL PROPERTY WILL BE REQUIRED TO PROTECT THE PUBLIC SIDEWALK IF NECESSARY.
- THE CONTRACTOR SHALL BACKFILL SOIL IN THE EXCAVATED TREE ROOT PITS AND THE TRENCHES FOR REMOVED EXISTING UNDERGROUND STRUCTURES, UTILITIES, AND IMPROVEMENTS.
- THE CONTRACTOR SHALL NOT ABANDON-IN-PLACE ANY EXISTING UNDERGROUND STRUCTURE, UTILITY, OR IMPROVEMENT SO DESIGNATED FOR REMOVAL ON THE PROJECT PLANS UNLESS DIRECTED TO BY THE OWNER.
- CONTRACTOR TO SAWCUT ALL EXISTING A.C. AND CONCRETE PAVEMENT AT DEMOLITION LIMIT LINE. CONTRACTOR SHALL REMOVE SIDEWALK, CURB & GUTTER TO THE NEAREST JOINT.
- CONTRACTOR SHALL REPLACE ALL EXISTING IMPROVEMENTS OUTSIDE THE DEMOLITION LIMIT LINE THAT ARE DAMAGED DURING CONSTRUCTION TO MATCH EXISTING, INCLUDING PERMANENT TRENCH RESURFACING.
- CONTRACTOR SHALL FIELD VERIFY THAT THE REMOVAL OF EXISTING UTILITIES WILL NOT IMPACT AREA OPERATIONS.
- BEFORE EXCAVATING ANY TRENCH 5 FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL SUBMIT A DETAILED PLAN TO THE SCHOOL SHOWING THE DESIGN OF SHORING, BRACING, SLOPING, OR OTHER PROVISIONS TO BE MADE FOR THE WORKERS' PROTECTION FROM THE HAZARD OF CAVING GROUND DURING THE EXCAVATION OF SUCH TRENCH. IF THE PLAN VARIES FROM THE SHORING SYSTEM STANDARDS, THE PLAN SHALL BE PREPARED BY A REGISTERED CIVIL ENGINEER. NO EXCAVATION SHALL START UNTIL THE SCHOOL HAS ACCEPTED THE PLAN AND THE CONTRACTOR HAS OBTAINED A PERMIT FROM THE STATE DIVISION OF INDUSTRIAL SAFETY.
- CONTRACTOR IS RESPONSIBLE TO KEEP ALL UTILITIES OPERATIONAL THAT SERVES FACILITIES OUTSIDE THE SCOPE OF THE DEMOLITION ZONE. CONTRACTOR IS ALSO RESPONSIBLE TO REROUTE UTILITIES IF NECESSARY TO COMPLETE DEMOLITION.
- CONTRACTOR SHALL INSTALL A TEMPORARY MINIMUM 8' HIGH CHAIN LINK CONSTRUCTION FENCE, WITH GREEN SCREEN, AROUND PERIMETER OF DEMOLITION AREA.
- ALL EXISTING DRAINAGE STRUCTURES ON SITE SHALL BE PROTECTED AND REMAIN FUNCTIONAL DURING DEMOLITION AND THROUGH THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THESE STRUCTURES, OR DAMAGE CAUSED TO ADJACENT PROPERTIES DUE TO THE OBSTRUCTION OF THESE STRUCTURES.
- CONTRACTOR SHALL COMPLY WITH CALIFORNIA FIRE CODE CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.



PLANS PREPARED BY:
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 Phone: 949-252-1688

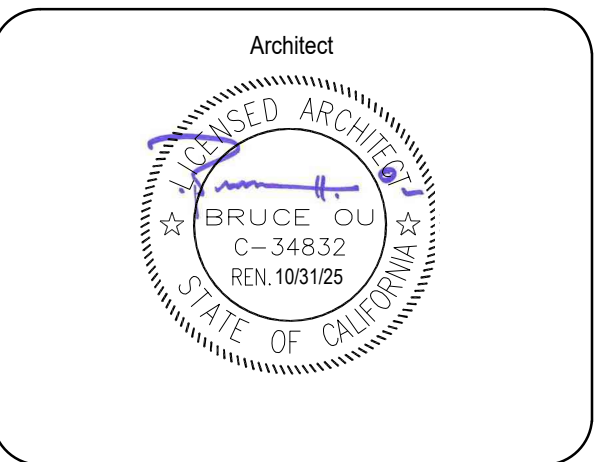
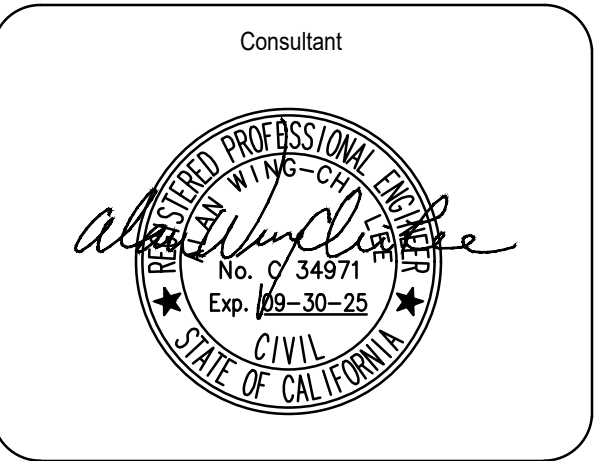


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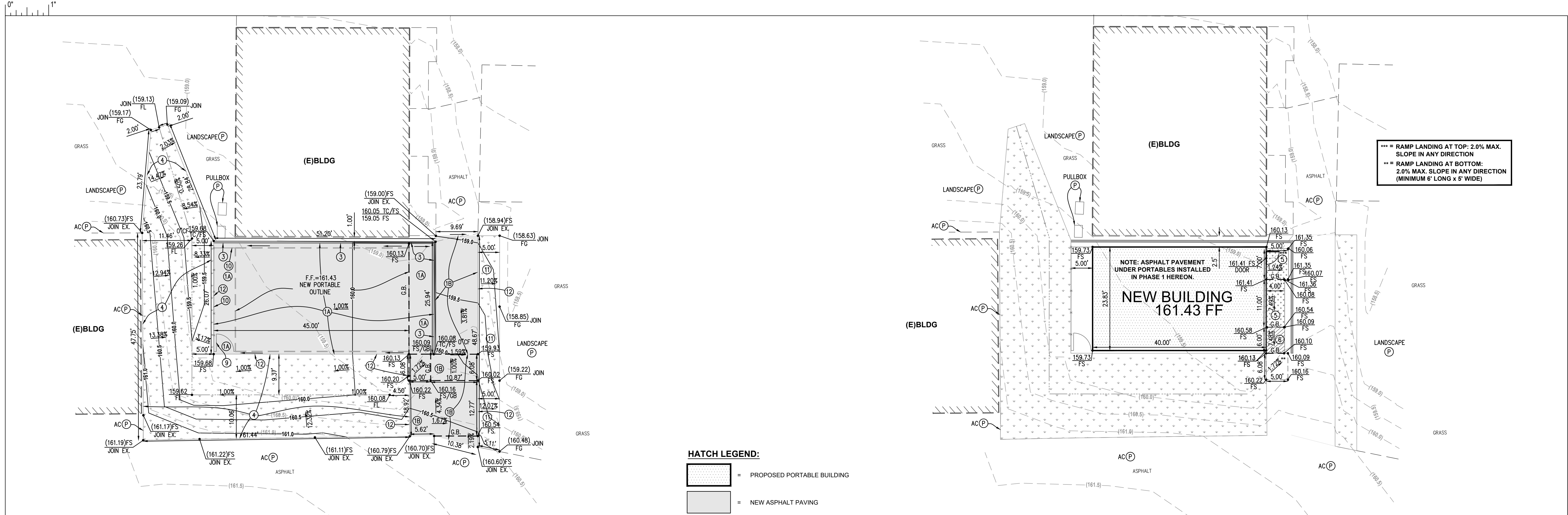
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SITE DEMOLITION PLAN

C1.00



PHASE 1 ASPHALT PAVEMENT INSTALLATION

SCALE: 1" = 10'

- CONSTRUCTION NOTES**
- 1. PROTECT EXISTING IMPROVEMENT IN PLACE.
 - 2. CONSTRUCT TYPE 1A ASPHALT PAVEMENT PER DETAIL 1A/C3.00.
 - 3. CONSTRUCT TYPE 1B ASPHALT PAVEMENT PER DETAIL 1B/C3.00.
 - 4. CONSTRUCT TYPE 1C ASPHALT PAVEMENT PER DETAIL 1C/C3.00.
 - 5. CONSTRUCT CONCRETE SWALE PER DETAIL 2/C3.00 AND GRADES HEREON.
 - 6. CONSTRUCT VARIABLE HEIGHT CONCRETE CURB PER DETAIL 3/C3.00 AND GRADES HEREON.
 - 7. REGRADE EXISTING LANDSCAPE AND INSTALL NEW LANDSCAPE TO CONSTRUCT A GRASS SWALE PER GRADES HEREON. ADJUST IRRIGATION AS NEEDED.
 - 8. CONSTRUCT PORTABLE BUILDING RAMP PER GRADES HEREON OVER EXISTING ASPHALT.
 - 9. CONSTRUCT ASPHALT RAMP WITH METAL HANDRAILS PER ARCHITECTURAL DETAILS AND GRADES HEREON.
 - 10. CONSTRUCT TRUNCATED DOMES PER ARCHITECTURAL PLANS.
 - 11. CONSTRUCT WHEEL STOP PER ARCHITECTURAL PLANS.
 - 12. CONSTRUCT GATE PER ARCHITECTURAL PLANS.
 - 13. CONSTRUCT CHAIN LINK FENCE PER ARCHITECTURAL PLANS.
 - 14. REGRADE EXISTING LANDSCAPE AND INSTALL NEW LANDSCAPE TO MATCH EXISTING. ADJUST IRRIGATION AS NEEDED.
 - 15. CONSTRUCT REDWOOD HEADER PER DETAIL 12/C3.00.

HORIZONTAL CONTROL
 A CAD GEOMETRIC ELECTRONIC FILE SHALL BE MADE AVAILABLE TO THE CONTRACTOR UPON REQUEST FOR THE CONTRACTOR'S SURVEYOR TO LAYOUT THE CONSTRUCTION STAKING OF THE PROJECT. THE SURVEYOR OR CONTRACTOR WILL NEED TO SIGN A WAIVER FORM BEFORE RELEASE OF ANY CAD ELECTRONIC DRAWINGS.

BENCHMARK
 O.C.S. VERTICAL CONTROL 3C-27-15
 FOUND MONUMENT IS SET IN KNOWN SUBSIDENCE ZONE AND MAY NOT FIT ADJACENT BENCHMARKS. DESCRIBED BY OCS 2015 - FOUND 4" OCS ALUMINUM DISK, STAMPED "3C-27-15". SET IN SW/4 CORNER OF A 5' X 8' CATCH BASIN. MONUMENT IS LOCATED 40' S/WLY OF THE CENTERLINE OF 17TH STREET, 150' W/LY OF THE CENTERLINE OF HEWES AVENUE AT THE 18692 17TH STREET ADDRESS.
 ELEVATION=192.843 FT NGVD88 YEAR LEVELLED 2015

BASIS OF BEARINGS
 HORIZONTAL CONTROL BASED ON THE FOLLOWING CONTROL POINTS WITHIN THE ORANGE COUNTY SURVEYOR HORIZONTAL CONTROL NETWORK, CALIFORNIA COORDINATE SYSTEM, CCS83, ZONE VI. THE BASIS OF BEARINGS FOR THIS SURVEY IS O.C.S. HORIZONTAL COORDINATE SYSTEM (NAD83), ZONE 6, AS DETERMINED LOCALLY BY THE LINE BETWEEN GPS#6065 & GPS#6011. THE BEARING OF SAID LINE BEING N86°23'49" W BETWEEN SAID STATIONS.
 GRID TO GROUND SCALE FACTOR 1.0000217969 @ PT#5000

NEW PORTABLE BUILDING EXCAVATION NOTE:
 EXCAVATION FOR THE NEW PORTABLE BUILDINGS FOOTPRINT SHALL EXTEND A MINIMUM 2 FEET BELOW THE EXISTING GRADE. LATERAL LIMITS OF EXCAVATION SHALL EXTEND A MINIMUM 3 FEET BEYOND THE OUTER EDGES OF THE NEW BUILDING PERIMETER.

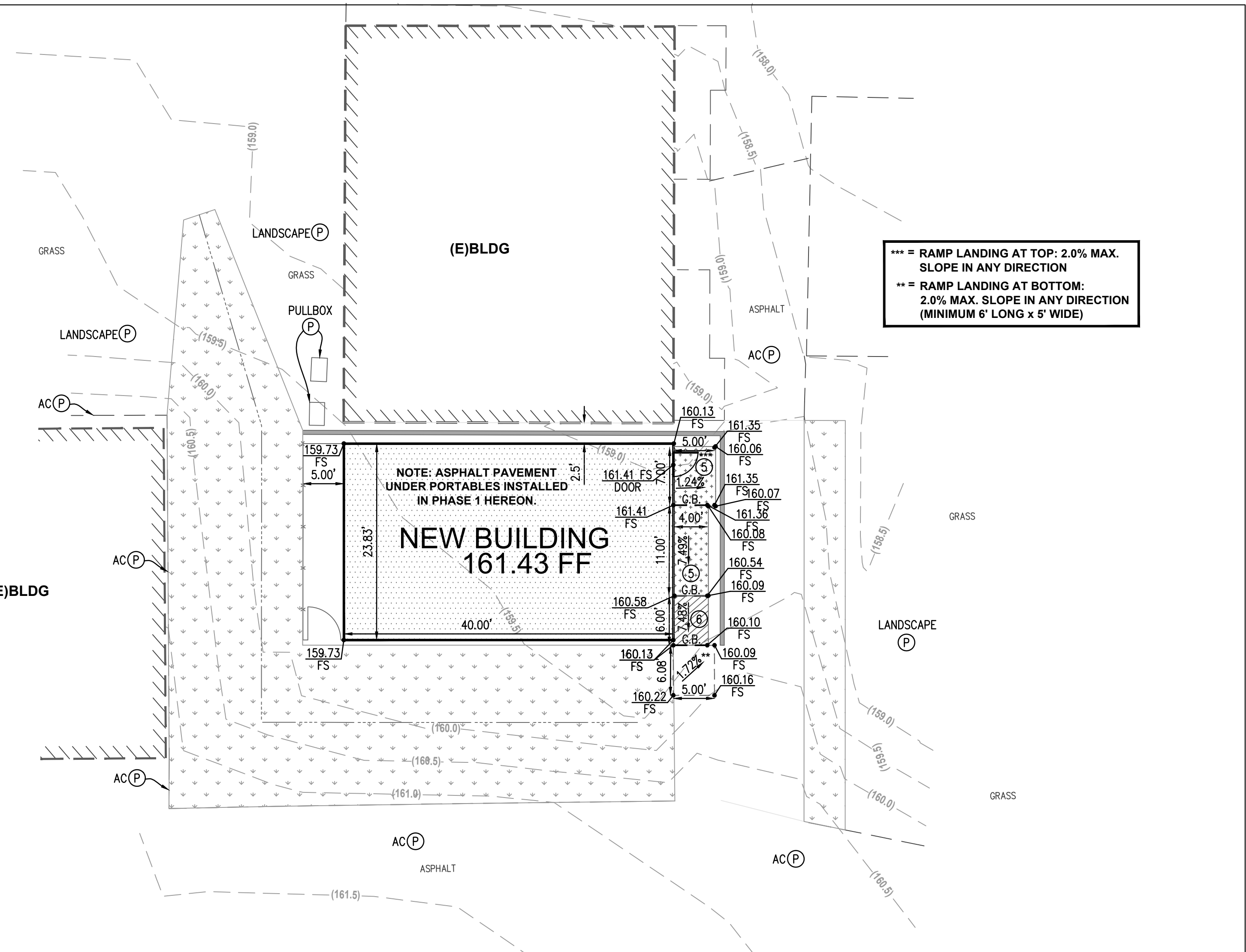
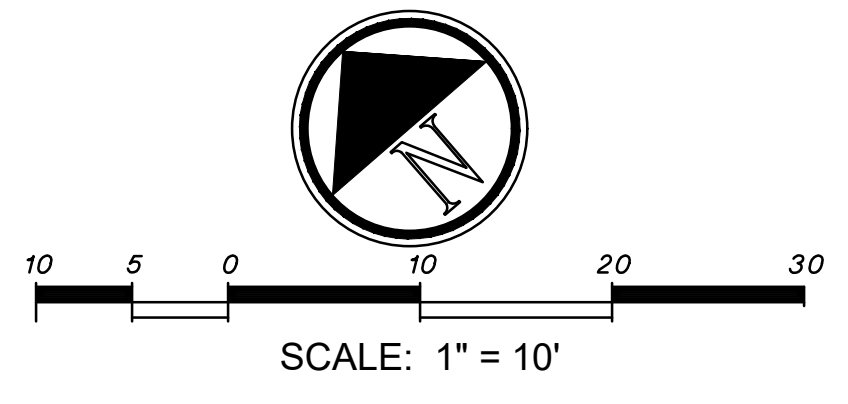
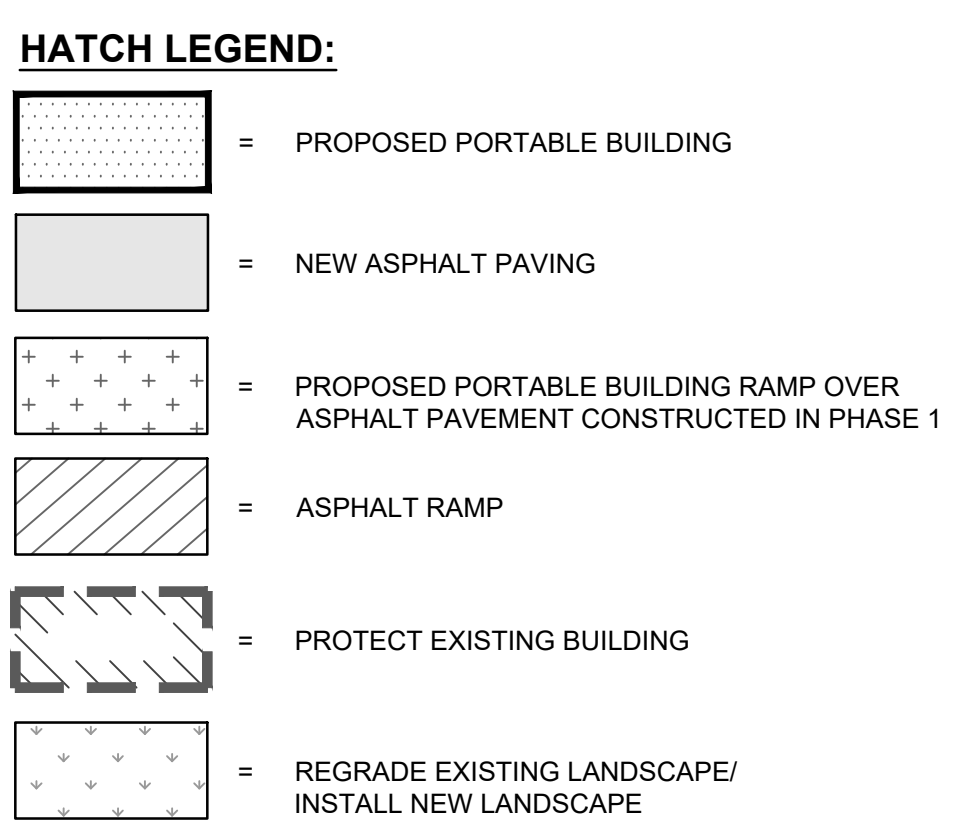
THE EXTENT AND DEPTHS OF ALL REMOVAL SHOULD BE EVALUATED BY A GEOTECHNICAL REPRESENTATIVE IN THE FIELD BASED ON THE MATERIALS EXPOSED. SHOULD EXCAVATIONS EXPOSE SOFT SOILS OR SOILS CONSIDERED UNSUITABLE FOR USE AS FILL BY A GEOTECHNICAL REPRESENTATIVE, ADDITIONAL REMOVALS MAY BE RECOMMENDED. FOR EXAMPLE, DEEPER REMOVAL MAY BE REQUIRED IN AREAS WHERE SOFT, SATURATED, OR ORGANIC MATERIALS ARE ENCOUNTERED.
THE EXPOSED EXCAVATION BOTTOM SHOULD BE EVALUATED AND APPROVED BY A GEOTECHNICAL ENGINEER. THE BOTTOM SHOULD THEN BE SCARIFIED TO A MINIMUM DEPTH OF 8 INCHES AND MOISTURE CONDITIONED TO ACHIEVE GENERALLY CONSISTENT MOISTURE CONTENTS WITHIN APPROXIMATELY 2 PERCENT ABOVE THE OPTIMUM MOISTURE CONTENT. THE SCARIFIED BOTTOM SHOULD BE COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION IN ACCORDANCE WITH THE LATEST VERSION OF ASTM TEST METHOD D1557 AND THEN EVALUATED AND APPROVED BY A GEOTECHNICAL ENGINEER. HOWEVER, THE SCARIFICATION AND RE-COMPACTION ARE NOT REQUIRED, IF THE BOTTOM IS FIRM AND UNDISTURBED AND THE RELATIVE COMPACTION IS TESTED AT LEAST 90%, IN WHICH CASE, THE BOTTOM SHOULD BE ROLLED, AND MEASURES SHOULD BE TAKEN TO PREVENT SUBGRADE DISTURBANCE.

CONSTRUCTION STORM WATER NOTE:
 GRADING WORK ASSOCIATED WITH THIS PROJECT WILL DISTURB LESS THAN 1 ACRE OF SOIL AND THUS SHALL NOT BE SUBJECT TO COMPLY WITH THE NPDES STORMWATER CONSTRUCTION GENERAL PERMIT 2022-0057-DWQ.

GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

NOTE TO CONTRACTOR: BEFORE TRENCHING OR DEMOLITION OCCURS, THE CONTRACTOR SHALL COMPLETE AN UNDERGROUND UTILITY MAPPING SURVEY OF THE PROJECT AREA TO DETERMINE WERE EXISTING UTILITIES ARE AND WHERE POSSIBLE UNDERGROUND CONFLICTS MAY OCCUR.

EARTHWORK NOTICE TO CONTRACTOR: NO EARTHWORK ANALYSIS HAS BEEN COMPLETED WITH RESPECT TO VOLUMES OF SOILS TO BE EXCAVATED, PLACED, OR IMPORTED IN ORDER TO PROVIDE THE FINISHED GRADES SHOWN ON THE PLANS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE EARTHWORK QUANTITIES NECESSARY TO COMPLETE THE PROJECT.



PHASE 2 PORTABLE BUILDING INSTALLATION

SCALE: 1" = 10'

- GENERAL NOTES TO CONTRACTOR**
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 7-10. PUBLIC CONVENIENCE AND SAFETY, OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK), IN REGARDS TO SAFETY ORDERS.
 - SCOPE OF WORK:
 - A. PROVIDE ALL LABOR, SUPERVISION, MATERIALS, EQUIPMENT & FACILITIES NECESSARY TO FURNISH, FABRICATE, DELIVER, STORE AND INSTALL ALL WORK NOTED ON THE DRAWINGS.
 - B. THE CONTRACTOR SHALL FURNISH & INSTALL ALL WORK NECESSARY TO MAKE A COMPLETE SYSTEM WHETHER OR NOT SUCH DETAILS ARE MENTIONED IN THESE SPECIFICATIONS OR SHOWN ON THE PLANS, BUT WHICH ARE OBVIOUSLY NECESSARY TO MAKE A COMPLETE SYSTEM, EXCEPTING ONLY THOSE PORTIONS THAT ARE SPECIFICALLY MENTIONED HEREIN OR PLAINLY MARKED ON THE ACCOMPANYING DRAWINGS AS BEING INSTALLED UNDER ANOTHER SECTION OF THE SPECIFICATION.
 - IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY AVAILABLE SPACES FOR INSTALLING THE WORK.
 - COORDINATION: THE DRAWINGS ARE DIAGRAMMATIC & INTENDED TO SHOW SCOPE. CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES TO PROVIDE BEST ARRANGEMENT OF ALL DUCT, PIPES, CONDUIT, ETC.
 - WORKMANSHIP: THE WORK SHALL BE ACCOMPLISHED BY THE USE OF COMPETENT MECHANICS SKILLED IN THEIR TRADE. THE ENGINEER AND ARCHITECT SHALL HAVE THE RIGHT TO INTERPRET COMPLIANCE OF WORKMANSHIP WITH THE CONTRACT DOCUMENTS.
 - MATERIALS: ALL MATERIALS, APPLIANCES & EQUIPMENT SHALL BE NEW & THE BEST OF THEIR RESPECTIVE KIND. FREE FROM ALL DEFECTS AND OF THE MAKE, BRAND, AND QUANTITY SPECIFIED.
 - CLEAN-UP: UPON COMPLETION OF THE WORK UNDER THIS SECTION THE CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIALS, EQUIPMENT & DEBRIS INCIDENTAL TO THIS WORK & LEAVE THE PREMISES CLEAN AND ORDERLY TO THE SATISFACTION OF THE ARCHITECT / OWNER.

- GENERAL NOTES FOR GRADING**
- ALL WORK SHALL CONFORM WITH THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC), 2021 EDITION AND THE LATEST REVISIONS THERETO, THE WORK AREA TRAFFIC CONTROL HANDBOOK (W.A.T.C.H. MANUAL), A.D.A. TITLE 24 REQUIREMENTS, AND 2022 C.B.C. UNLESS SPECIFIED OTHERWISE IN THE CONTRACT SPECIFICATIONS.
 - A COPY OF THE DIVISION OF STATE ARCHITECT APPROVED PLANS MUST BE IN THE POSSESSION OF A RESPONSIBLE PERSON AND AVAILABLE AT THE JOB SITE AT ALL TIMES.
 - THROUGHOUT ALL PHASES OF CONSTRUCTION, INCLUDING SUSPENSION OF WORK, UNTIL FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL KEEP THE WORK SITE CLEAN AND FREE FROM RUBBISH AND DEBRIS. THE CONTRACTOR SHALL ALSO ABATE DUST NUISANCE BY CLEANING, SWEEPING AND SPRINKLING WITH WATER AND USING DUST FENCES OR OTHER METHODS AS DIRECTED BY THE CONSTRUCTION MANAGER OR FIELD INSPECTOR THROUGHOUT THE CONSTRUCTION OPERATION AND SHALL INCORPORATE IN BASE BID.
 - THE CONTRACTOR SHALL KEEP A STRICT RECORD OF ALL CHANGES THAT OCCUR DURING CONSTRUCTION PRACTICES AND SUBMIT THIS RECORD TO THE SCHOOL DISTRICT & DSA CERTIFIED AS "RECORD DRAWING" PLANS.
 - ALL DAMAGE CAUSED TO PUBLIC STREETS, INCLUDING HAUL ROUTES, ALLEYS, SIDEWALKS, CURBS OR STREET FURNISHINGS, OR TO PRIVATE PROPERTY SHALL BE REPAIRED AT THE SOLE EXPENSE OF THE CONTRACTOR TO THE ENGINEER'S SATISFACTION.
 - THE CONTRACTOR SHALL REMOVE AND REPLACE ANY BROKEN OR DAMAGED SIDEWALK, CURB, GUTTER OR ASPHALT PAVING AND TURF (PATCH, REPAIR OR OVERLAY) CAUSED BY THEIR WORK ON THIS PROJECT AT THE DIRECTION OF THE OWNER.
 - ALL UNDERGROUND SEWER, STORM DRAIN, AND WATER PIPELINES, ELECTRIC POWER, TELEPHONE OR CABLE TV CONDUITS AND CABLE AND GAS PIPELINES SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF CURBS, GUTTERS, SIDEWALKS AND PAVEMENT.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING STORM DAMAGE PREVENTION MEASURES OR EROSION CONTROL DEVICES AND/OR TO PERFORM CERTAIN GRADING TO PREVENT SOIL OR EXCESS RUNOFF FROM FLOWING INTO PUBLIC STREETS OR ADJACENT PROPERTIES. IN THE EVENT OF SUCH AN OCCURRENCE, CLEANUP SHALL COMMENCE IMMEDIATELY. SHOULD CITY FORCES OR THE CITY CONTRACTOR PERFORM ANY CLEANUP RESULTING FROM THIS DEVELOPMENT, THE CONTRACTOR SHALL PAY THE COST INCURRED WITHIN TEN (10) WORKING DAYS UPON RECEIPT OF BILLING.
 - EITHER WATER OR DUST PALLIATIVE, OR BOTH, MUST BE APPLIED FOR THE ALLEVIATION OR PREVENTION OF EXCESSIVE DUST RESULTING FROM THE LOADING OR TRANSPORTATION OF EARTH FROM OR TO THE PROJECT SITE OR PRIVATE AND PUBLIC ROADWAYS.
 - NO PERSON SHALL, WHEN HAULING ANY EARTH, SAND, GRAVEL, ROCK, STONE OR OTHER EXCAVATED MATERIAL OR DEBRIS OVER ANY PUBLIC STREET, ALLEY OR OTHER PUBLIC PLACE OR ADJACENT PRIVATE PROPERTY OR ANY WATER BODIES, CREEKS OR STREAMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP AND REMOVAL OF ANY CONSTRUCTION OR SOILS MATERIALS DEPOSITED ON THE PUBLIC RIGHT-OF-WAY, PUBLIC WATERS OR ADJACENT PRIVATE PROPERTY.

PLANS PREPARED BY:
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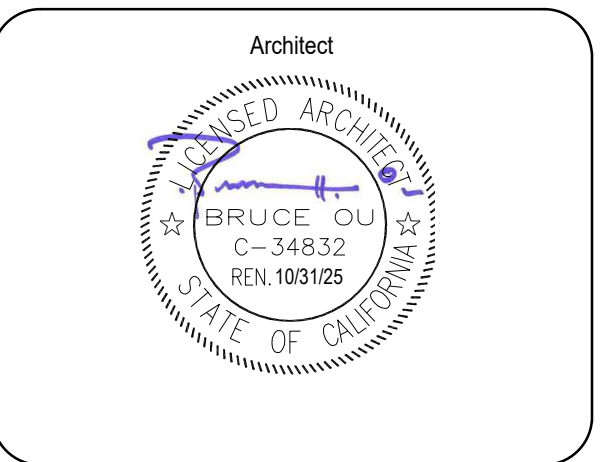
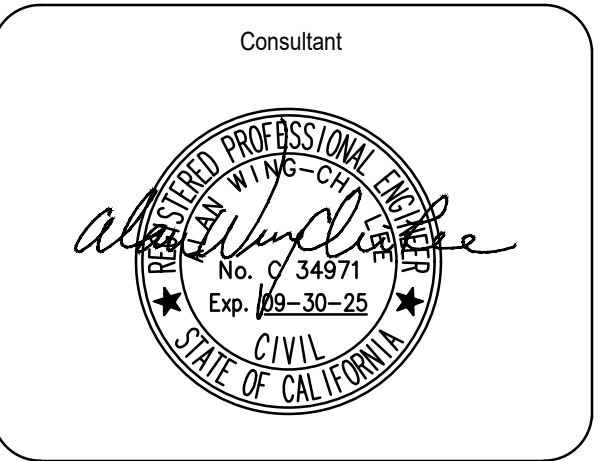


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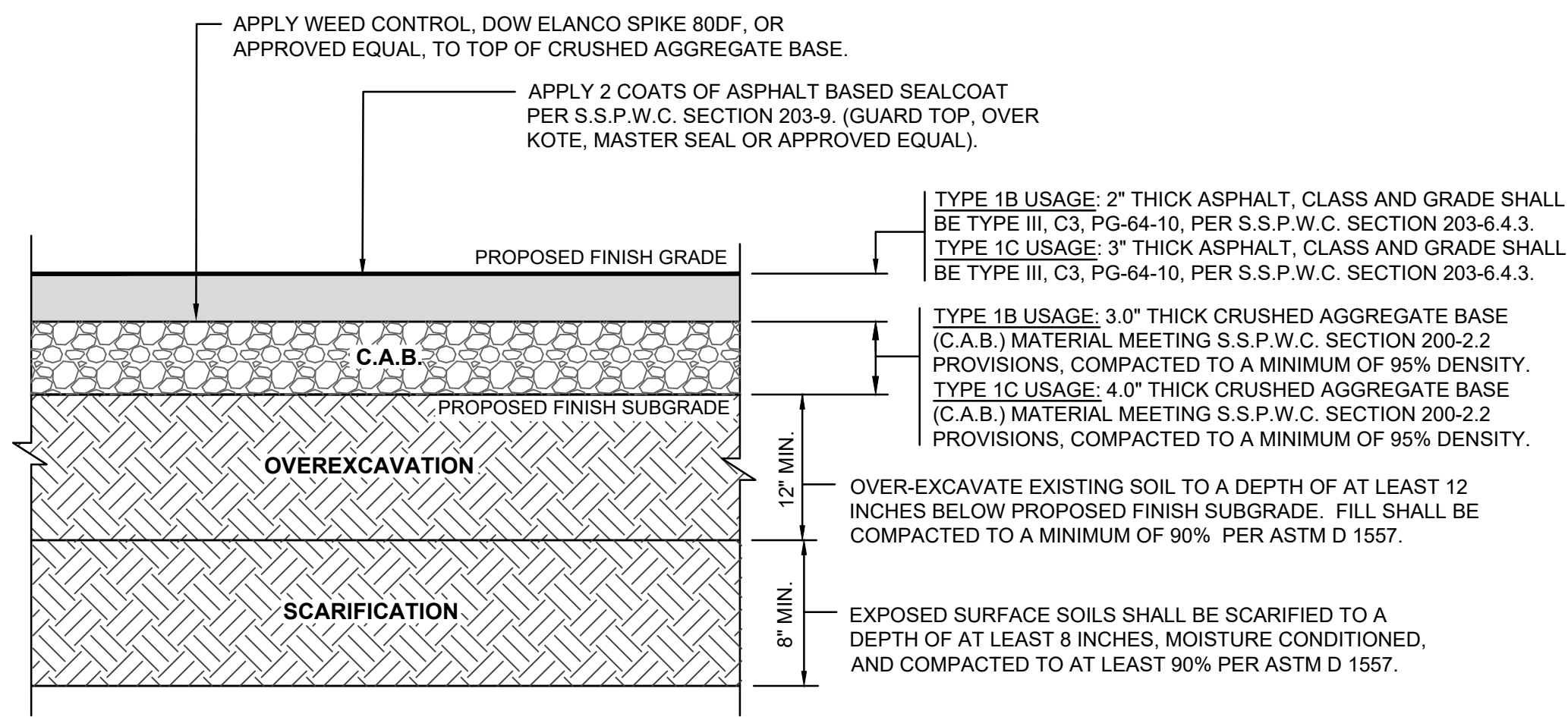


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GRADING PLAN

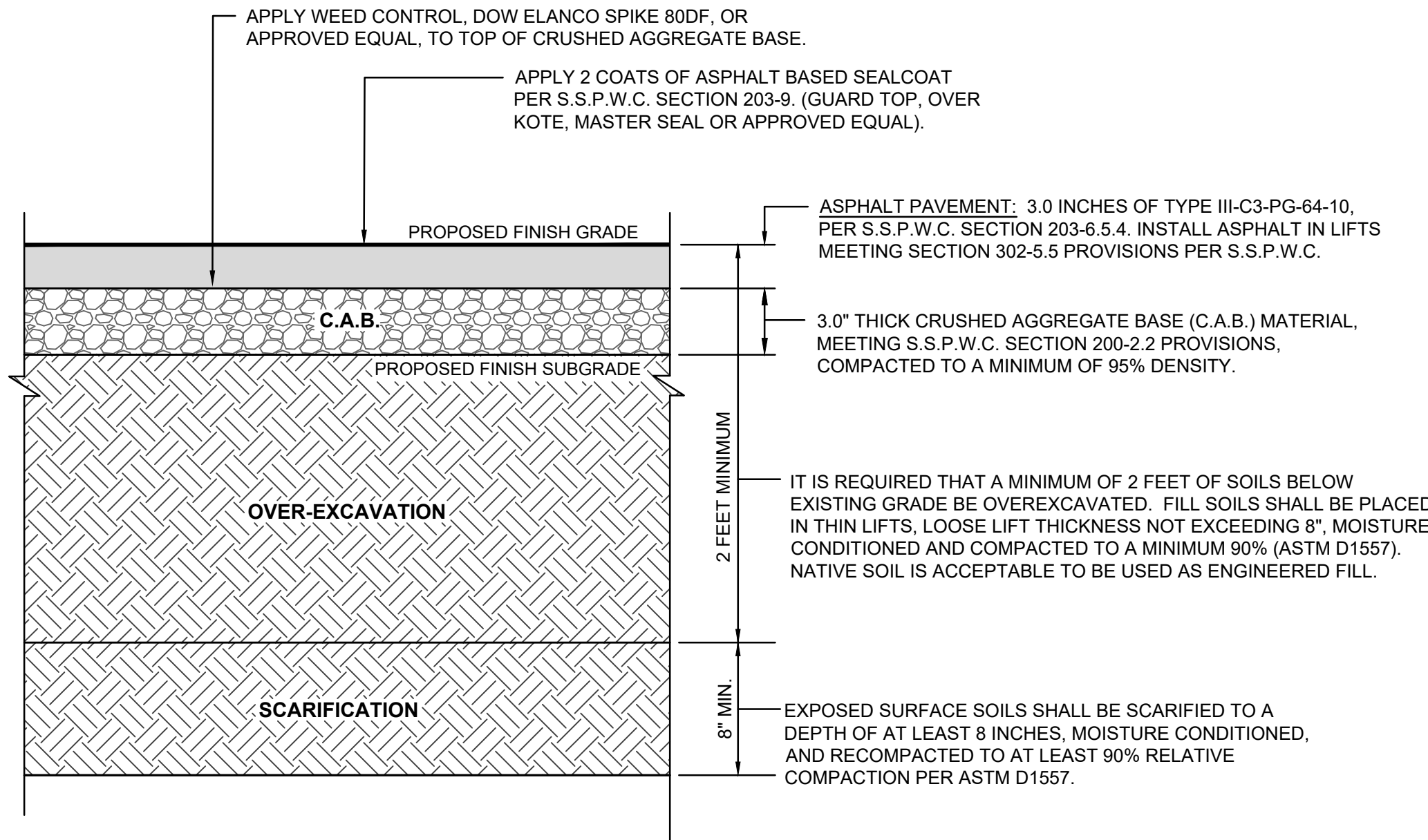
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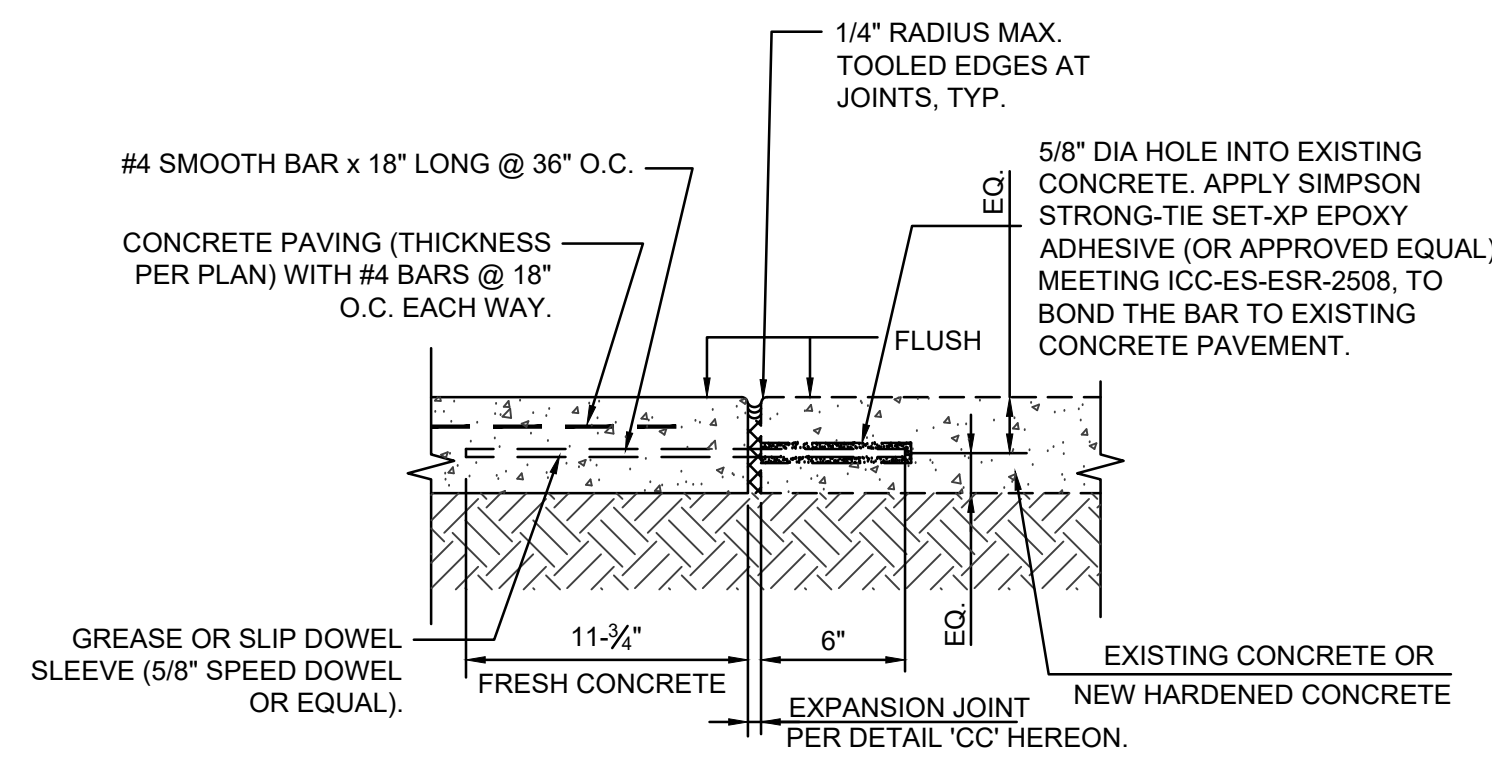
1B/1C ASPHALT PAVEMENT SECTION DETAIL
NOT TO SCALE

FLOOD TEST NOTE:
BEFORE ACCEPTANCE, ALL NEW ASPHALT SHALL BE WATER TESTED TO ENSURE PROPER DRAINAGE AS DIRECTED BY THE INSPECTOR. THE CONTRACTOR SHALL PROVIDE WATER FOR THIS PURPOSE. THE FLOODING SHALL BE DONE BY WATER TANK TRUCK. DEPRESSIONS WHERE THE WATER PONDS TO A DEPTH OF MORE THAN 0.01 FOOT SHALL BE FILLED WITH TYPE E ASPHALT MIX OR THE SLOPE CORRECTED TO PROVIDE PROPER DRAINAGE. THE EDGES OF THE FILL SHALL BE FEATHERED AND SMOOTHED SO THAT THE JOINT BETWEEN THE FILL AND THE ORIGINAL SURFACE IS INVISIBLE. PRACTICAL FIELD MEASUREMENT: 0.01 FOOT = TWO QUARTERS STACKED. NO STANDING WATER SHALL REMAIN AFTER 60 MINUTES ON A 70 DEGREE F (OR WARMER) DAY. INSTALL FIRST COAT OF SEAL COAT ON ASPHALT BEFORE FLOOD TESTING OCCURS.



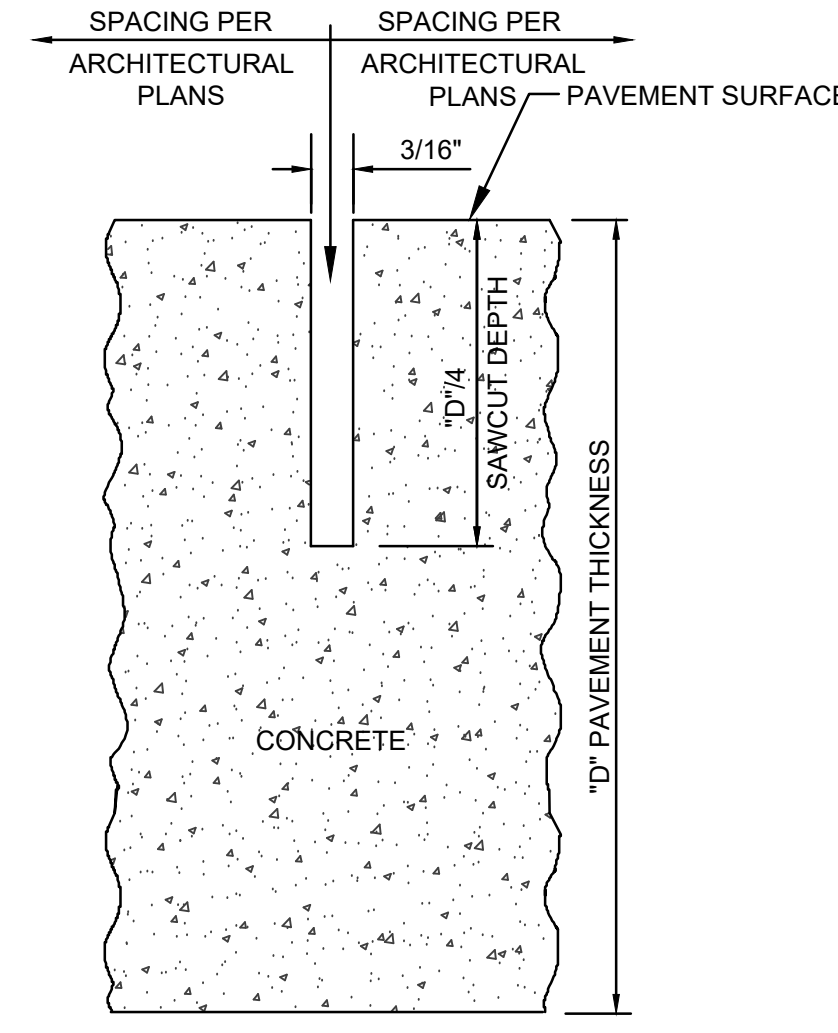
1A ASPHALT PAVEMENT SECTION DETAIL
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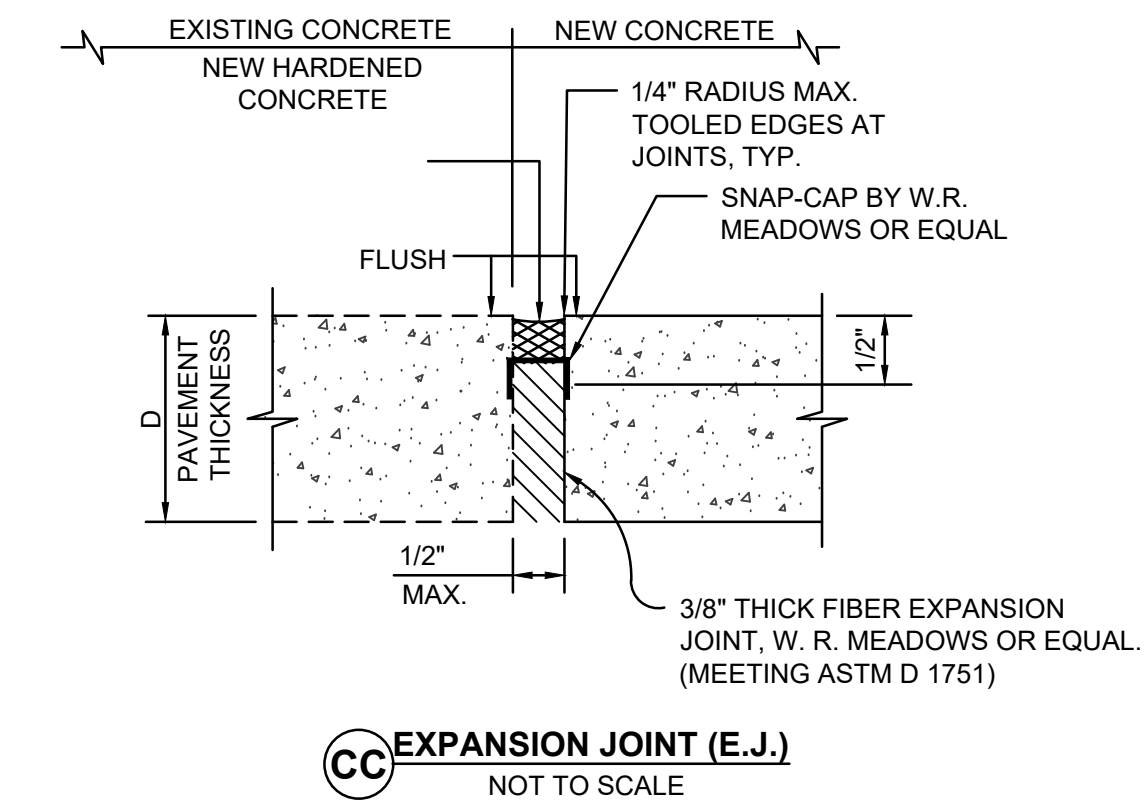


- NOTE: 1. VERTICAL CHANGE IN ELEVATION ALONG ACCESSIBLE PATH OF TRAVEL CANNOT EXCEED 1/4" PER CBC 11B-303.2
2. LEVEL CHANGE BETWEEN 1/4"-1/2" MUST BE BEVELED AT 1:2 MAX PER CBC 11B-303.3

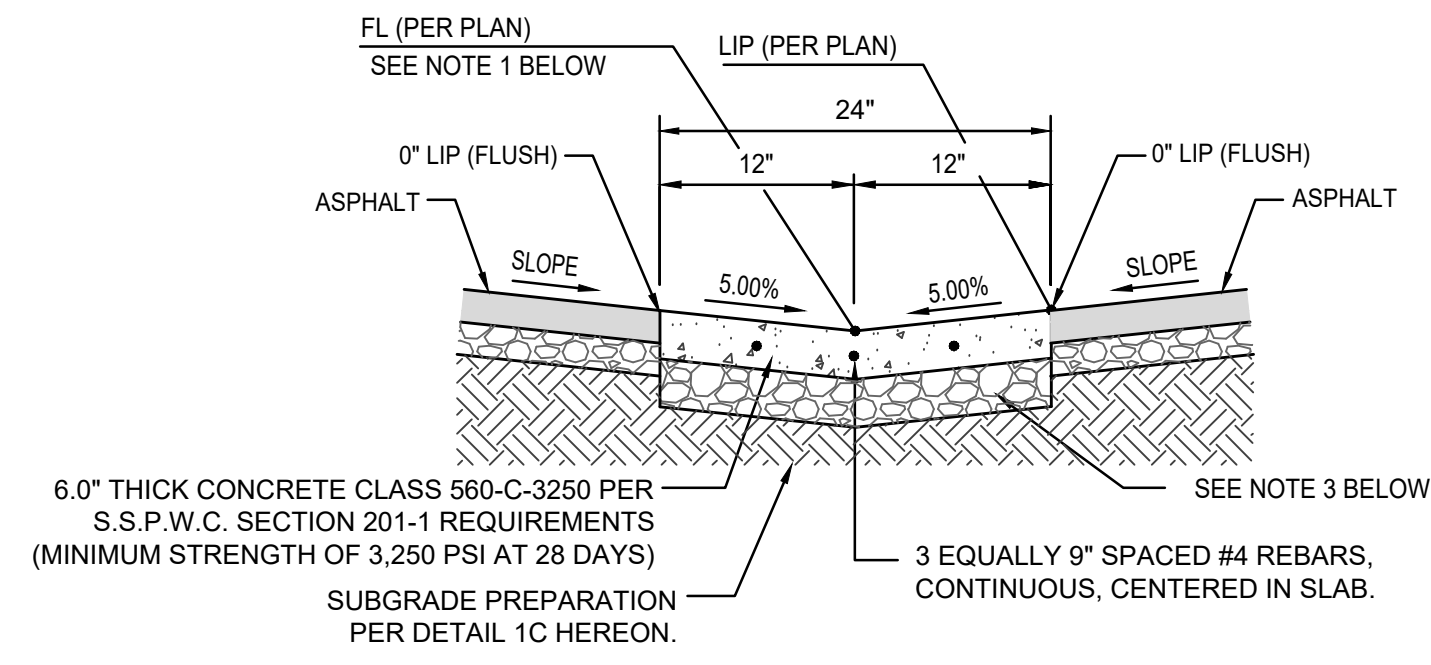
AA EXPANSION JOINT (E.J.) WITH REBAR
NOT TO SCALE



BB CONTROL JOINT (C.J.)
NOT TO SCALE

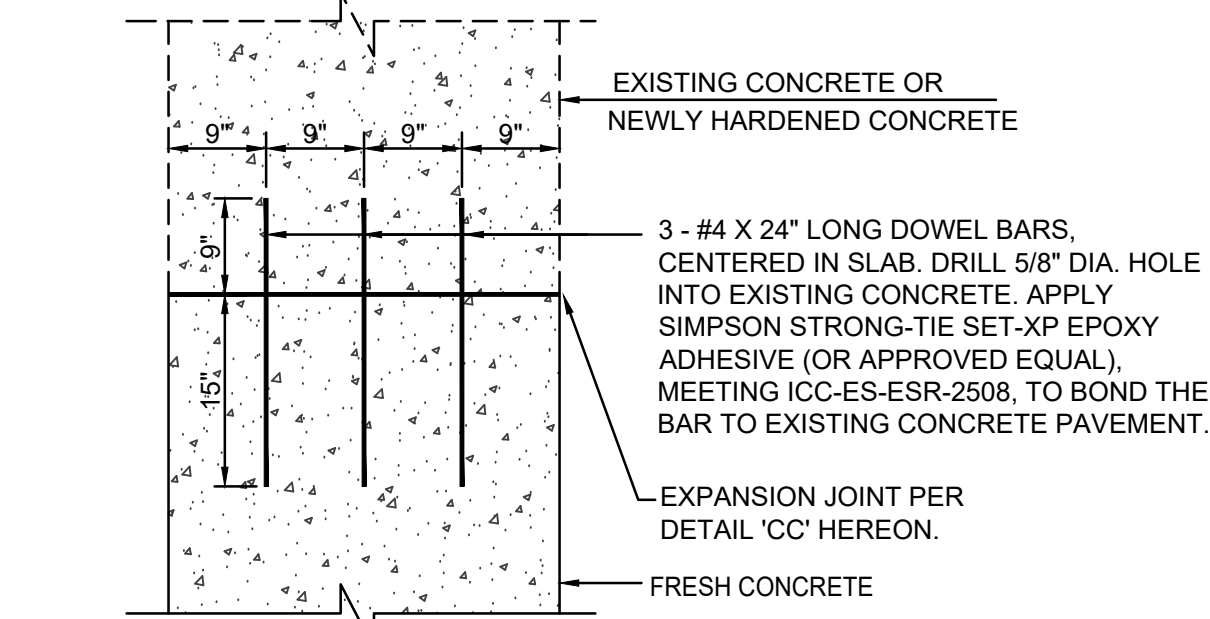


CC EXPANSION JOINT (E.J.)
NOT TO SCALE

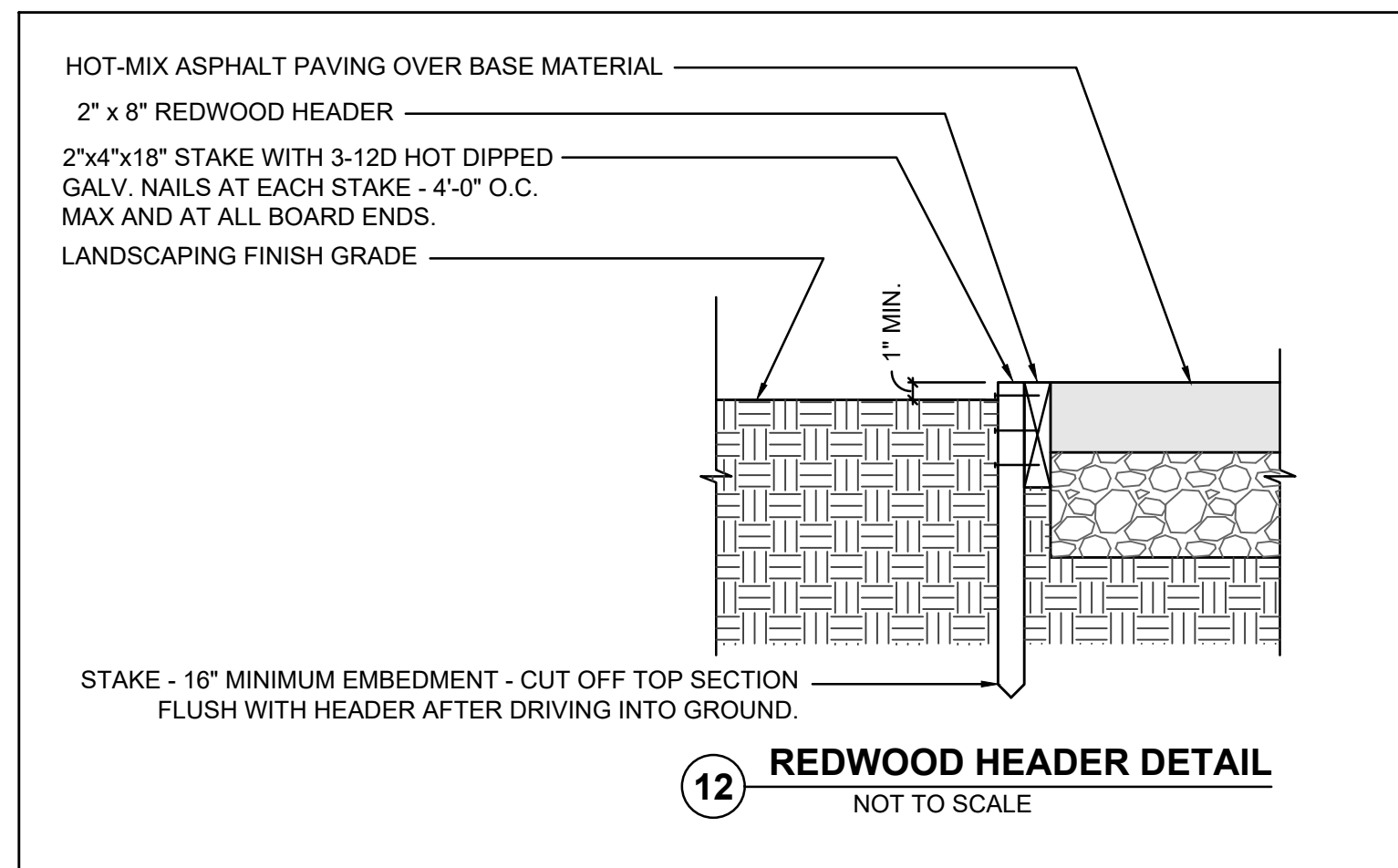


2 CONCRETE SWALE DETAIL
NOT TO SCALE

- CONCRETE SWALE NOTES:**
- CONCRETE SWALE SHALL HAVE A 4" WIDE FLOWLINE SMOOTH STEEL TROWEL FINISH.
 - CONSTRUCT CONTROL JOINTS IN SWALE AT REGULAR INTERVALS OF 10'. CONSTRUCT EXPANSION JOINTS AT 30' INTERVALS. FOLLOW JOINT DETAILS HEREON.
 - A 4" THICK LAYER OF CRUSHED AGGREGATE BASE MATERIAL SHALL BE PLACED UNDER THE CONCRETE SWALE. MINIMUM COMPACTION OF 95% ON SUBGRADE IS REQUIRED.



DOWELED JOINT DETAIL IN SWALE
PLAN VIEW
NOT TO SCALE



12 REDWOOD HEADER DETAIL
NOT TO SCALE



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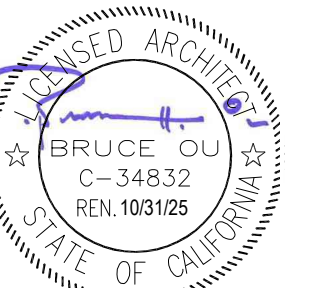
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Consultant



Architect

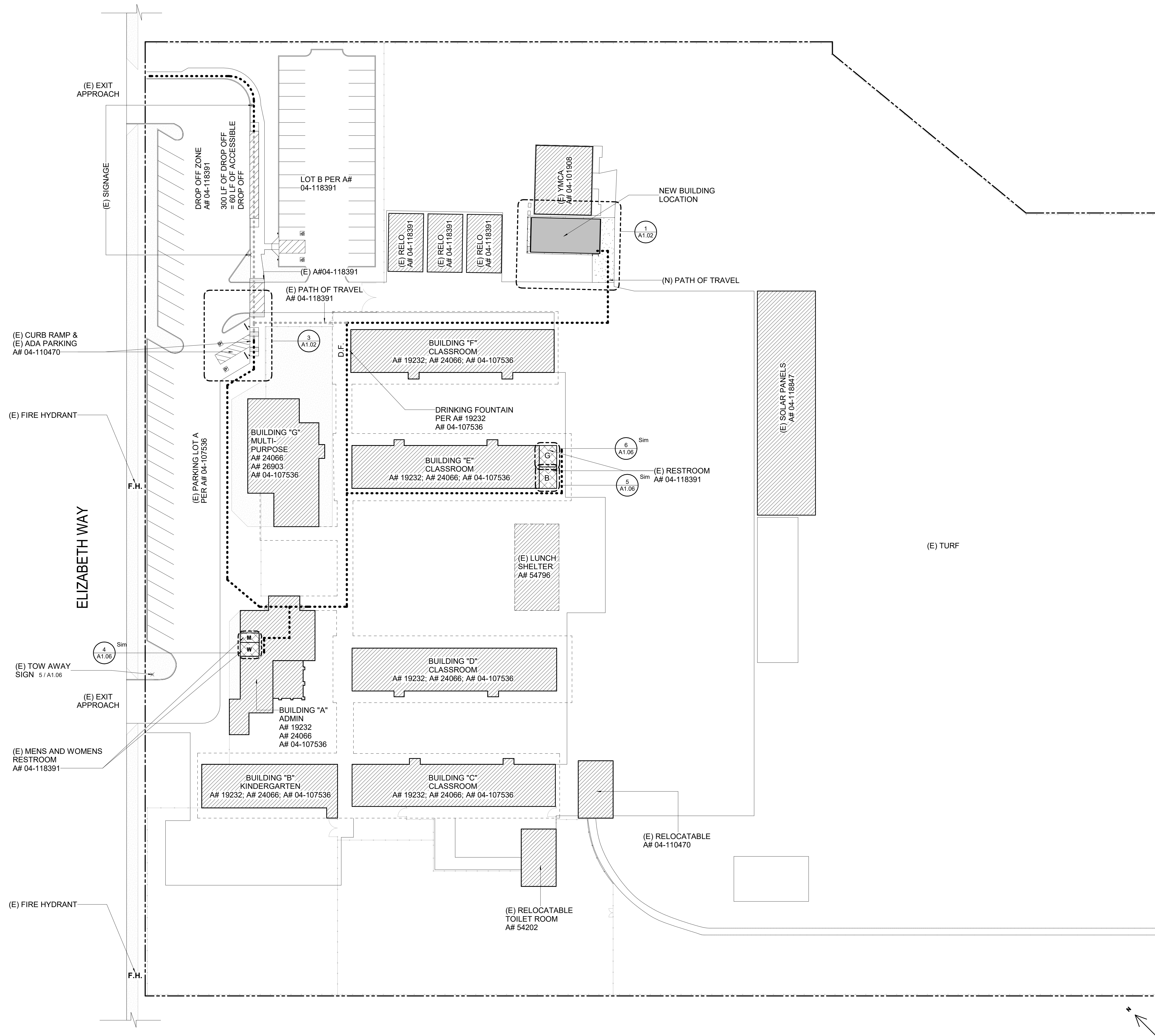


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DETAIL SHEET

PLANS PREPARED BY:
FPL FPL and Associates, Inc.
Traffic • Transportation • Civil
30 Corporate Park, Suite 401
Irvine, CA 92606
Phone: 949-252-1688

C3.00



SITE GENERAL NOTES

- SEE CIVIL FOR TOPOGRAPHIC DATA, GRADING, DRAINING, AND UTILITY INFORMATION.
- SEE CIVIL FOR DIMENSIONS, DETAILS AND INFORMATION OF ALL FLATWORK.
- ALL NEW WALK SURFACES IN P.O.T. SHALL HAVE FLUSH TRANSITION TO ALL ADJACENT NEW OR EXISTING CONCRETE/PAVING, U.N.O.
- FOR GRATING OR STRAINERS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAY INCLUDING P.O.T. GRATE OR STRAINER TO HAVE A MAXIMUM OPENING NOT TO EXCEED 1/2" IN THE DIRECTION OF TRAFFIC FLOW WHERE NO DOMINANT DIRECTION OF TRAVEL IS DEFINED, 1/2" MAX OPENINGS IN ALL DIRECTIONS IS REQUIRED.
- CONTRACTOR TO VERIFY EXISTING DOORS COMPLY WITH THE FOLLOWING:
 - THE OPENING FORCE FOR PUSHING OR PULLING OPEN A DOOR SHALL BE 5 POUNDS MAXIMUM PER CBC 11B-404.2.3.
 - HARDWARE SHALL UNLATCH WITH 5 POUNDS MAXIMUM FORCE PER CBC 11B-309.4.

PATH OF TRAVEL

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:
THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS AS PART OF THE DESIGN OF THIS PROJECT. THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECTS WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

PATH OF TRAVEL TECHNICAL REQUIREMENTS FOR ACCESSIBLE ROUTE:
ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/2" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM AND SLIP-RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT BE STEEPER THAN 1:20. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 8" MINIMUM AND FREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL, ABOVE 27" AND LESS THAN 80" ABOVE THE FLOOR. ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

UPDATE ALL EXISTING DOOR ALONG THE PATH OF TRAVEL TO COMPLY WITH THE FOLLOWING:

- CLEAR OPENING WIDTH FOR A DOOR SHALL BE 32 INCHES MINIMUM. CBC SECTION 11B-404.2.3.
- HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL COMPLY WITH CBC 11B-309.4. THE OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34" MINIMUM AND 48" MAXIMUM. CBC SECTION 11B-404.2.7.
- THE LEVERS OF LEVER ACTUATED LATCHES OR LOCKS FOR DOORS ARE ACCESSIBLE GATES SHALL BE CURVED WITH A RETURN TO WITHIN 12 INCHES OF THE GATE SURFACES TO PREVENT CATCHING ON THE CLOTHING OR PERSONS PER CALIFORNIA REFERENCED STANDARDS CODE, 1-24 PART 12, SECTION 12-10-202, ITEM (F).
- THE FORCE OF PUSHING OR PULLING OPEN A DOOR SHALL BE PER CBC SECTION 11B-404.2.3, 5 POUNDS ((2.2 N) MAXIMUM, 15 POUNDS ((6.7 N) MINIMUM, 5LB. MAX. FORCE FOR DOOR OPERATION.
- THE FORCE REQUIRED FOR ACTIVATING ANY OPERABLE PARTS SUCH AS LEVER HARDWARE, OR DISENGAGING OTHER DEVICES SHALL BE 5 POUNDS ((2.2 N) MAXIMUM PER CBC SECTION 11B-309.4.
- DOOR CLOSING SPEED SHALL BE PER CBC SECTION 11B-404.2.8. CLOSER SHALL BE ADJUSTED SO THAT THE REQUIRED TIME TO MOVE A DOOR FROM AN OPEN POSITION OF 90 DEGREES TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM. SPRING HINGES SHALL BE ADJUSTED SO THAT THE REQUIRED TIME TO MOVE A DOOR FROM OPEN POSITION OF 70 DEGREES TO CLOSED POSITION IS 15 SECONDS MINIMUM.
- THRESHOLDS SHALL COMPLY WITH CBC SECTION 11B-404.2.5.
- FLOOR STOPS SHALL NOT BE LOCATED IN THE PATH OF TRAVEL AND 4" MAXIMUM FROM THE WALLS.
- HARDWARE (INCLUDING PANIC HARDWARE) SHALL NOT BE PROVIDED WITH "NIGHT LATCH" (NL) FUNCTION FOR ANY ACCESSIBLE DOORS OR GATES UNLESS THE FOLLOWING CONDITIONS ARE MET. (SUCH CONDITIONS MUST BE CLEARLY DEMONSTRATED AND INDICATED IN THE SPECIFICATIONS).
 - SUCH HARDWARE HAS A DOGGING FEATURE.
 - IT IS DOGGED DURING THE TIME THE FACILITY IS OPEN.
 - SUCH DOGGING OPERATION IS PERFORMED ONLY BY EMPLOYEES AS THEIR JOB FUNCTION (NON-PUBLIC USE).
- SWING DOORS AND GATE SURFACES WITHIN 10" OF THE FINISH FLOOR OR GROUND SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16" OF THE SAME PLANE AS THE OTHER AND BE FREE OF SHARP OR ABRASIVE EDGES. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED. CBC SECTION 11B-404.2.10.

SITE PLAN LEGEND

- PROPERTY LINE
 - (E) BUILDING, NOT IN SCOPE
 - SCOPE OF WORK
 - (N) RELOCATABLE BLDGS
 - RESTROOM
 - (N) PATH OF TRAVEL
 - (E) PATH OF TRAVEL A# 04-118391
- D.F.** DRINKING FOUNTAIN PER 28 / A1.10
M MEN RESTROOM (AGES 13 & ABOVE) PER 4 / A1.06
W WOMEN RESTROOM (AGES 13 & ABOVE) PER 4 / A1.06
B BOYS RESTROOM (AGES 5 THROUGH 8) PER 5 / A1.06
G GIRLS RESTROOM (AGES 5 THROUGH 8) PER 6 / A1.06

(E) PARKING CALCULATION

(E) BARBARA BENSON ELEMENTARY SCHOOL PARKING CALCULATION

PARKING LOT A	
TOTAL STALLS	35
REGULAR STALLS	33
ACCESSIBLE STALLS	2 (INCLUDING 1 VAN)

PARKING LOT B	
TOTAL STALLS	31
REGULAR STALLS	29
ACCESSIBLE STALLS	2 (INCLUDING 1 VAN)



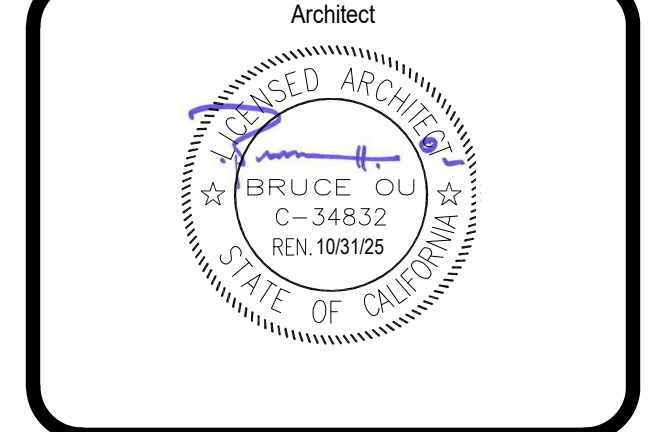
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 DATE 04-11-2024 PROJECT NUMBER 230379

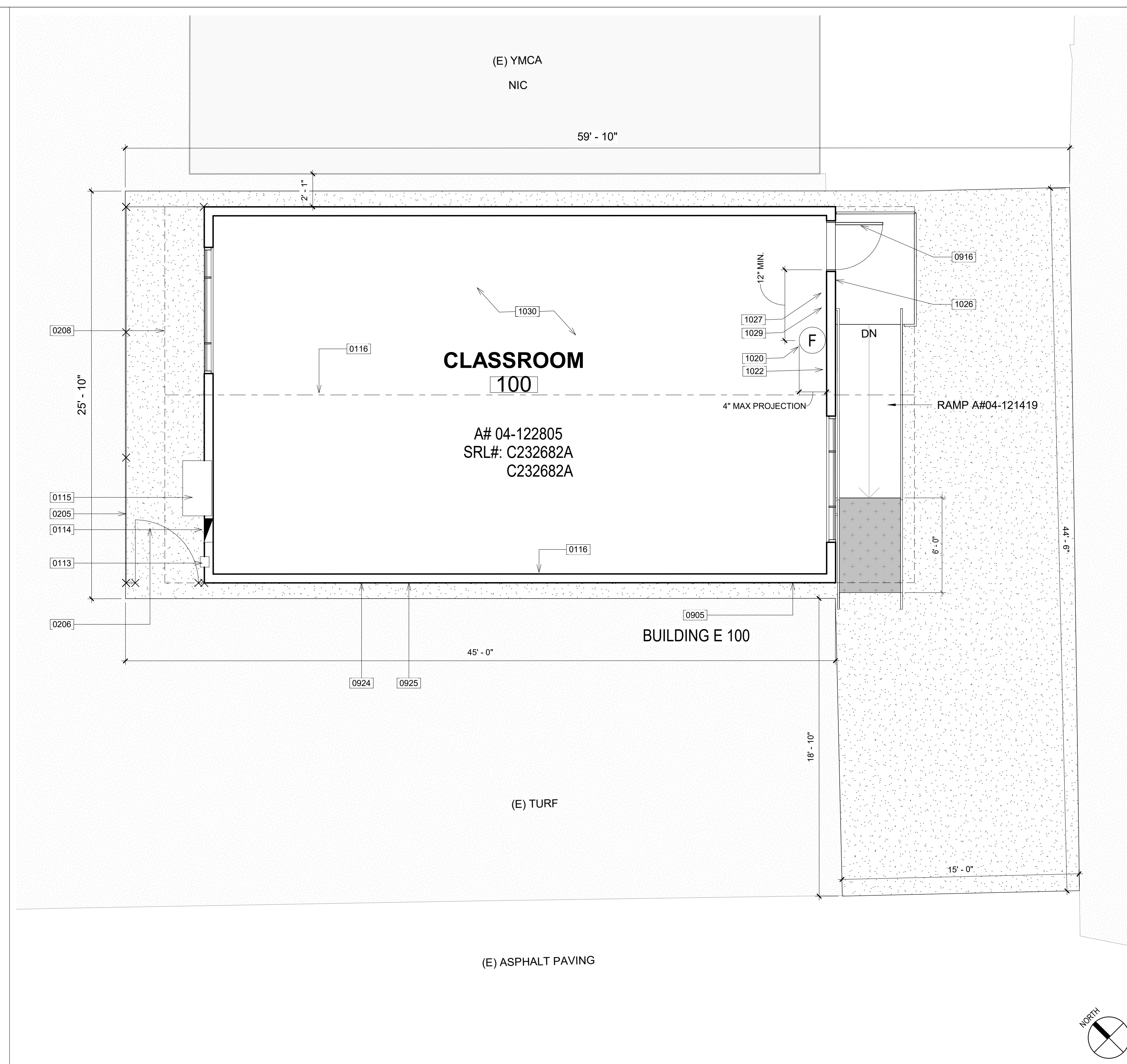
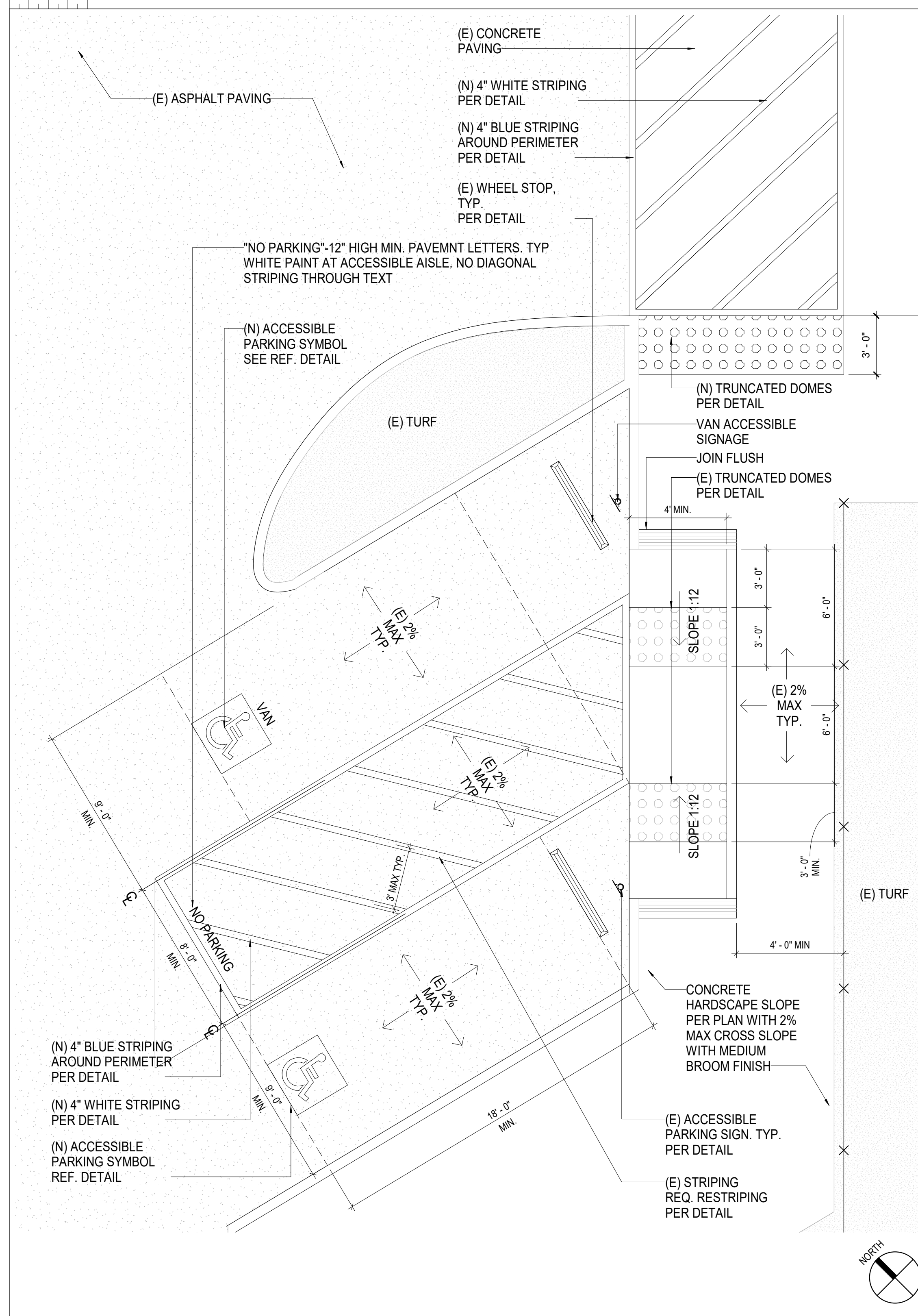
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OVERALL SITE PLAN

A1.01

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GENERAL NOTES

- ALL FINISH MATERIALS MUST MEET THE FLAME SPREAD RATINGS PER THE BUILDING CODE.
- REFER TO INTERIOR ELEVATIONS FOR SPECIFIC MATERIAL LOCATIONS.
- PAINT ALL EXPOSED DUCTWORK, CONDUIT, ELECTRICAL EQUIPMENT, ETC TO MATCH ADJACENT SURFACES.
- PAINT ALL NON-FACTORY FINISHED EXPOSED METAL.
- REFER TO TYPICAL FLOORING TRANSITION DETAILS FOR ALL FLOORING MATERIALS.
- FLOORING TRANSITIONS AT DOORS SHOULD BE LOCATED UNDER THE DOOR IN THE CLOSED POSITION, UNLESS NOTED OTHERWISE.
- CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING FINISHED FLOORING SURFACES FROM DAMAGE DURING ALL CONSTRUCTION PHASES.
- PROVIDE BULLNOSE TRIM AT TRANSITIONS FROM CERAMIC WALL TILE TO OTHER MATERIAL, UNLESS NOTED OTHERWISE.
- REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
- ALL ELECTRICAL DEVICE COVERS ARE TO BE WHITE UNLESS NOTED OTHERWISE.
- CARPET PATTERNS TO RUN PARALLEL TO CORRIDOR, UNLESS NOTED OTHERWISE.
- ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED TO MATCH ADJACENT WALL COLOR.
- IF PC DOOR HARDWARE FOR ANY OF THE 2 STOOPLES PORTABLES ACCESS DOOR IS NOT LOCKABLE FROM INSIDE PER CBC 1010.1.11, THEN CONTRACTOR IS TO PROVIDE AND INSTALL ND175R RHO (RHODES) CLASSROOM SECURITY LEVEL LOCK, 628 FINISH, THE PC DOOR HARDWARE IS TO BE REMOVED AND TO BE PROTECTED AND RETURNED TO THE OWNER.
- CONTRACTOR TO VERIFY ALL WINDOWS ARE SCREWED SHUT AND NON-OPERABLE.
- CONTROL JOINT (CJ) SPACING SHALL NOT EXCEED 8'-0" ON CENTER AND EXPANSION JOINTS (EJ) ARE PLACED AT EVERY 360' CONTROL JOINT PER C4.02

KEYNOTE

KEYNOTE	DESCRIPTION
0113	FIRE ALARM BOX A# 04-122805
0114	ELECTRICAL PANEL A# 04-122805
0115	MECHANICAL UNIT PER A# 04-122805
0116	MOD LINE A# 04-122805
0205	(E) CHAINLINK FENCE & GATES, PROTECT IN PLACE
0206	(N) 5'-0" HIGH 3'-0" WIDE GATE, PER DETAILS / A1.10
0208	(N) 5'-0" CHAIN LINK FENCE PER DETAILS / A1.10
0905	PROVIDE BUILDING IDENTIFICATION ON EXTERIOR OF BUILDING. PAINT 12" HIGH LETTERING OF CONTRASTING COLOR TO BACKGROUND
0916	PAINT EXTERIOR DOOR, VISTA PAINT, VP24-19071 (semi-gloss)
0924	PAINT EXTERIOR WALLS, VISTA PAINT, VP24-11941 (flat)
0925	PAINT EXTERIOR TRIMS, VISTA PAINT, VP24-11938 (semi-gloss)
1020	SURFACE MOUNTED FIRE EXTINGUISHER PER DTL 3/5/6 AS.2
1022	OCCUPANCY SIGN PER DTL 2/A0.1
1026	ROOM I.D. SIGN WITH ISA IDENTIFICATION PER DTL 4/A0.2
1027	EXIT SIGNAGE TO READ "EXIT RAMP DOWN" PER DTL 1 / A1.11
1029	ASSISTIVE LISTENING SIGN PER DTL 2 / A1.11
1030	PROVIDE ASSISTIVE LISTENING SYSTEM DEVICES OF 4% OF OCCUPANTS, TYP. OF CLASSROOMS. DEVICES TO BE KEPT IN OFFICE ADMIN BUILDING A. PROVIDE 1 TRANSMITTERS AND 2 RECEIVERS TO SERVE ALL CLASSROOMS IN THE BUILDING. PROVIDE ADDITIONAL TRANSMITTERS AND RECEIVERS BASED ON OCCUPANCY OF OTHER ASSEMBLY SPACES I.E. MPR, CONFERENCE ROOMS, ETC.

SITE PLAN LEGEND

- (N) PATH OF TRAVEL
- PROPERTY LINE
- (E) 5'-0" HIGH CHAIN LINK FENCING
- (N) 5'-0" HIGH CHAIN LINK FENCING
- (E) CONC. PAVING
- (N) CONC. PAVING PER CIVIL
- (E)TURF
- (N)TURF PER CIVIL
- (E) ASPHALT PAVING
- (N) ASPHALT PAVING PER CIVIL
- (N) ASPHALT PAVING TRANSITION PER CIVIL

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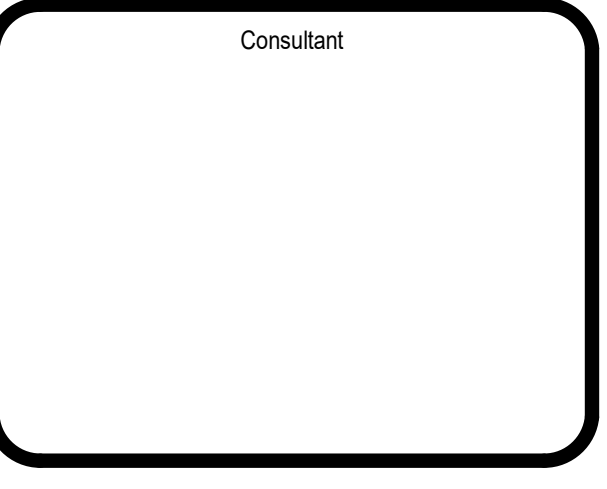
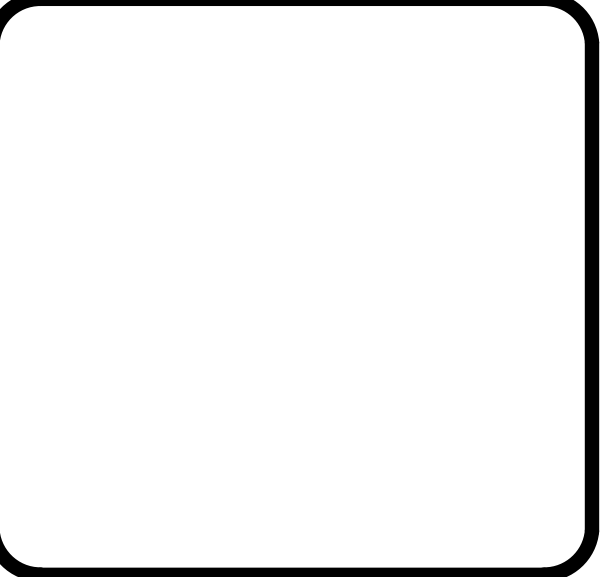
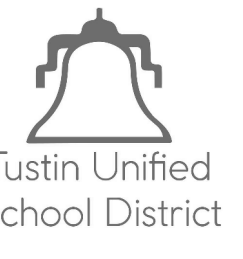


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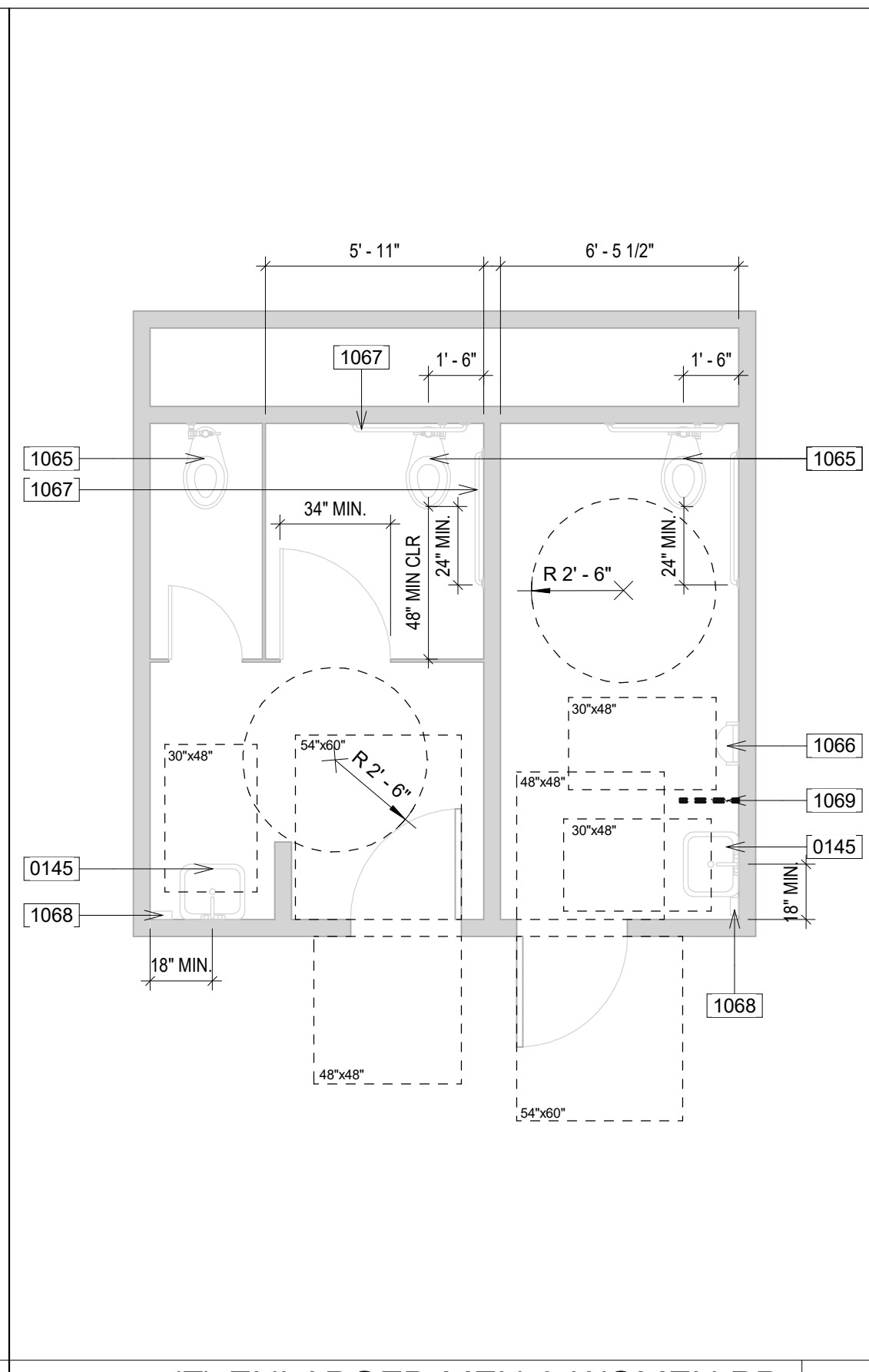
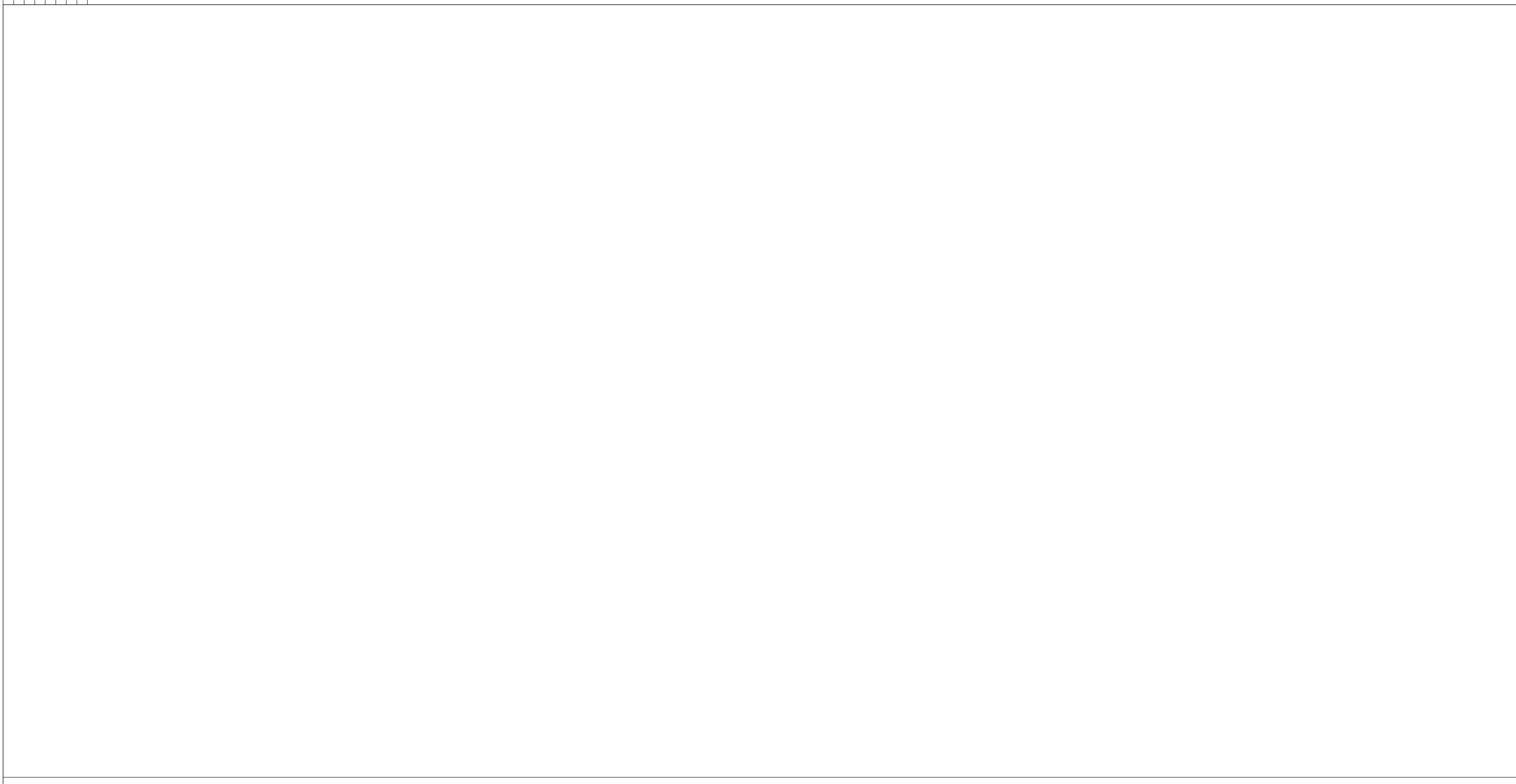
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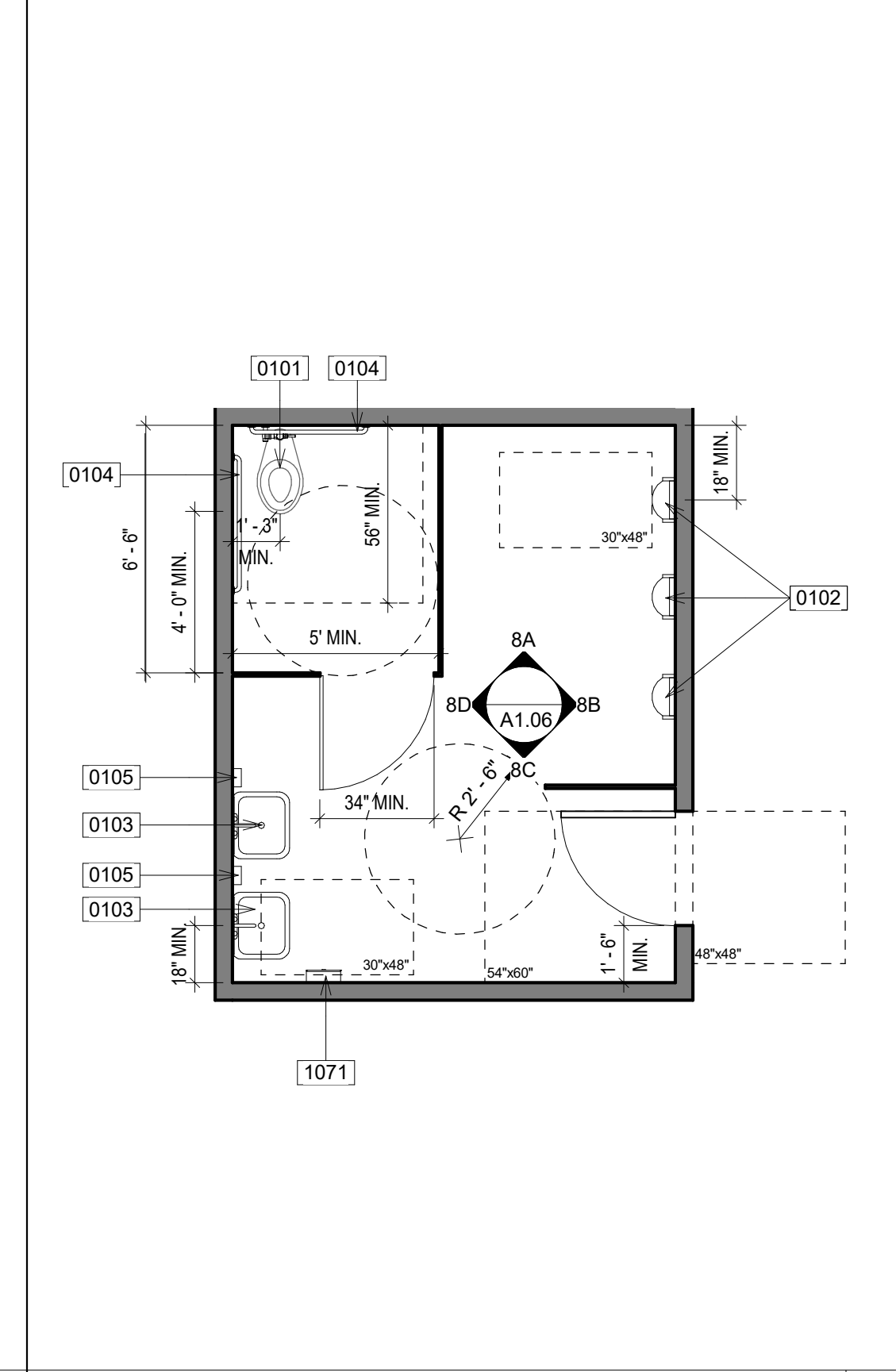
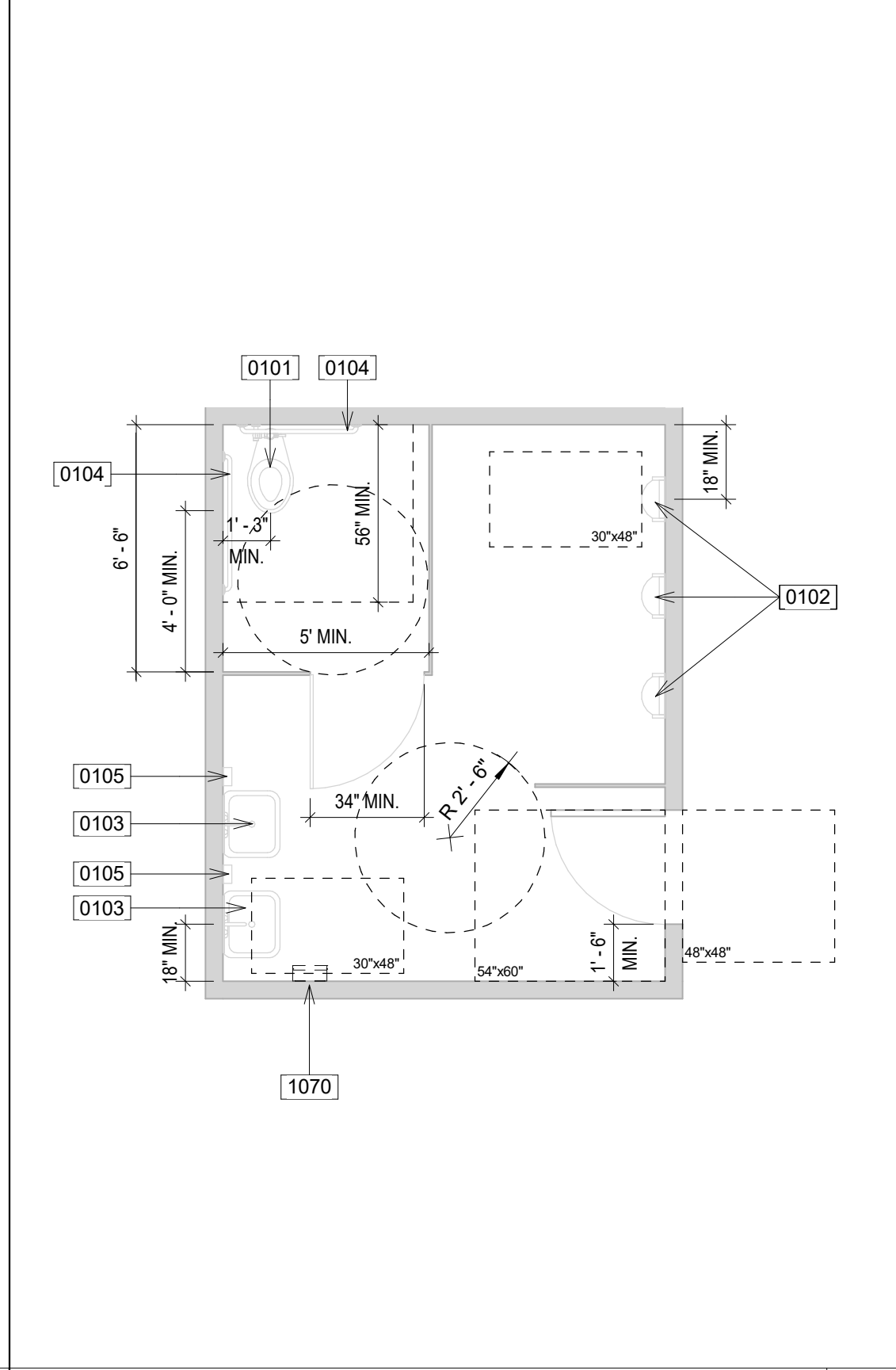
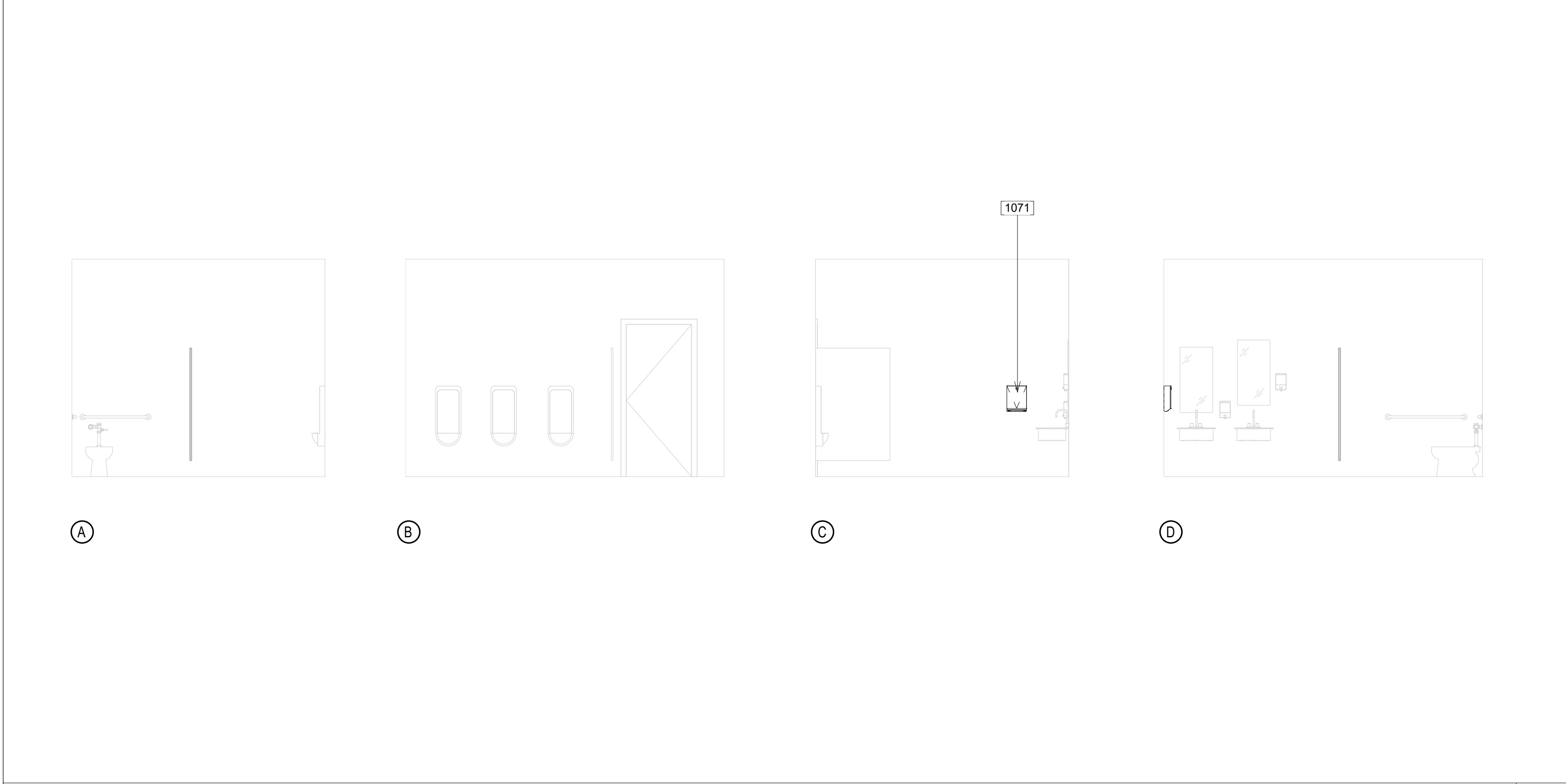
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No.	Description	Date

ENLARGED SITE PLAN



(E) ENLARGED MEN & WOMEN RR 1/4" = 1'-0" **4**

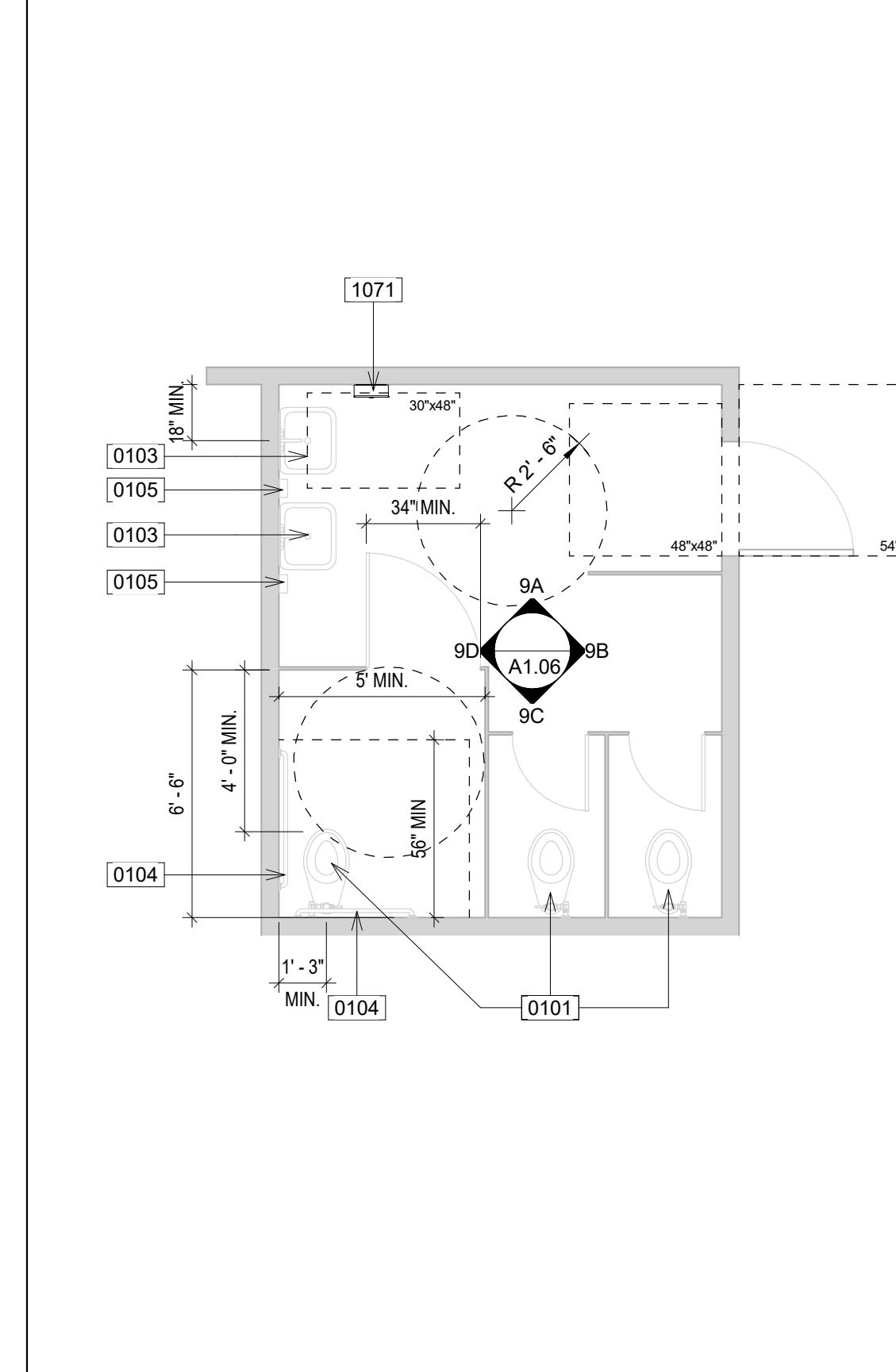
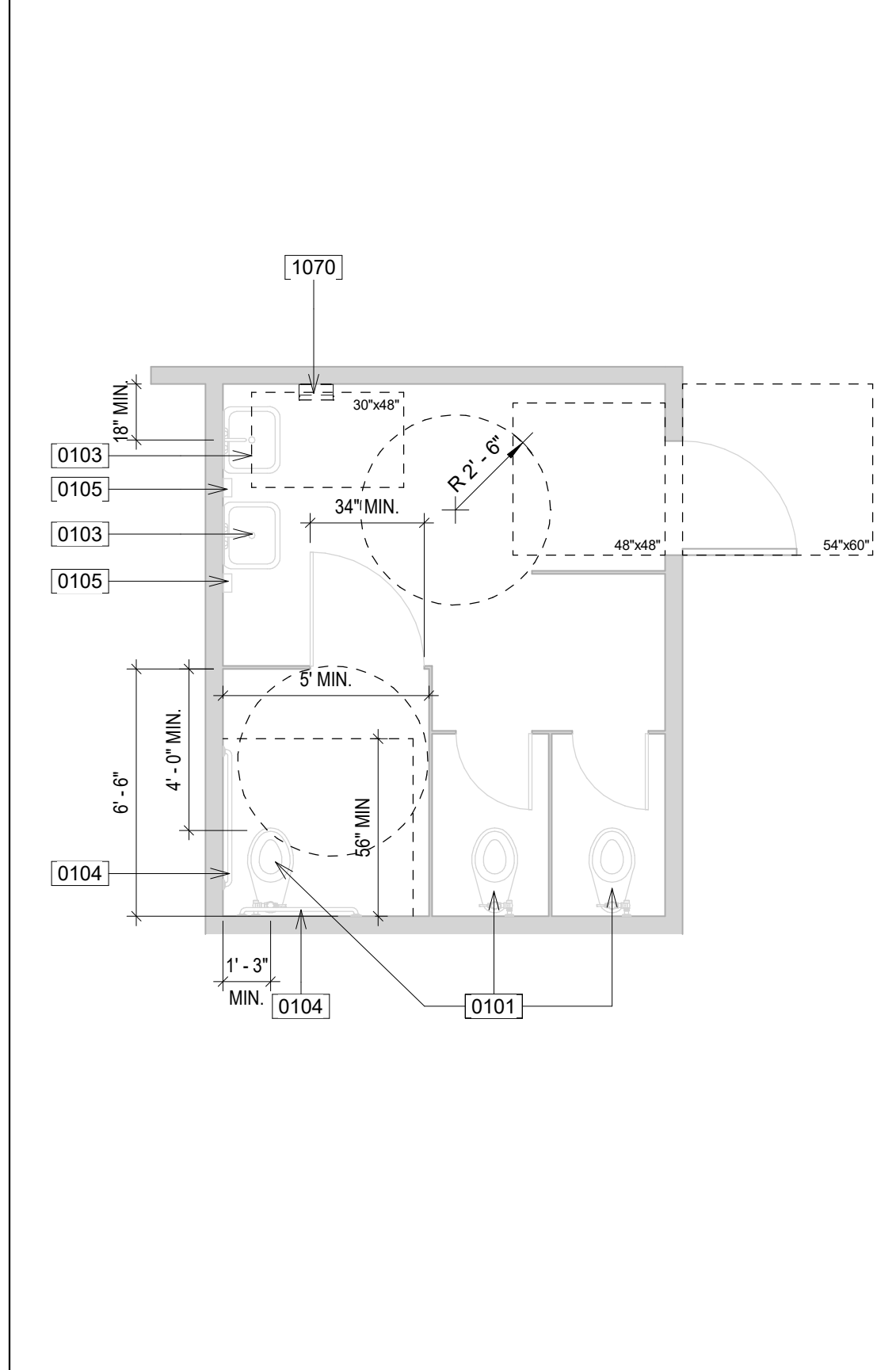
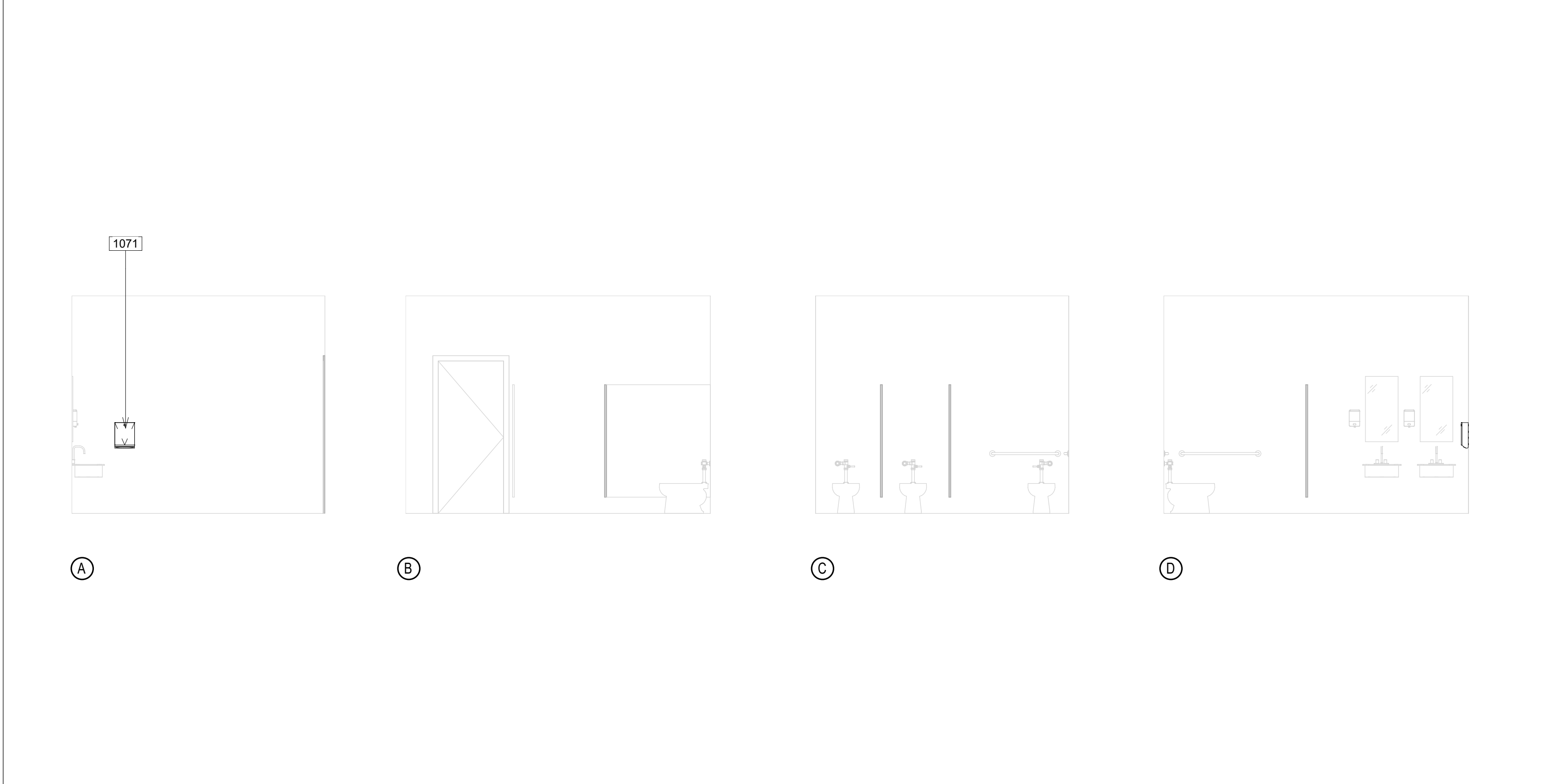
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BOYS RESTROOM INTERIOR ELEVATIONS 1/2" = 1'-0" **8**

(E) ENLARGED BOYS RR (AGE 5-8) 1/4" = 1'-0" **5**

(N) ENLARGED BOYS RR (AGE 5-8) 1/4" = 1'-0" **2**



GIRL'S RESTROOM INTERIOR ELEVATIONS 1/2" = 1'-0" **9**

(E) ENLARGED GIRLS RR (AGE 5-8) 1/4" = 1'-0" **6**

(N) ENLARGED GIRLS RR (AGE 5-8) 1/4" = 1'-0" **3**

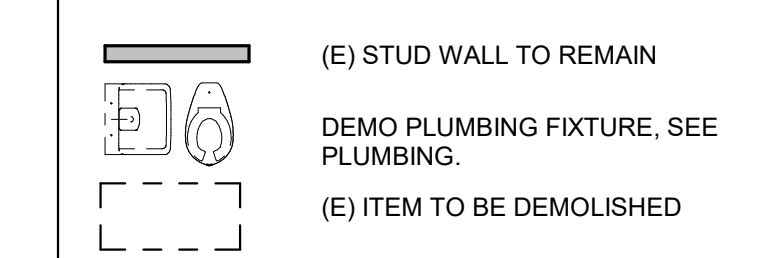
REFERENCE NOTES

KEYNOTE	DESCRIPTION
0101	ACCESSIBLE HI-LO DRINKING FOUNTAIN, PROTECT IN PLACE
0102	(N) CURB PER CIVIL PAINT RED PER CFC 503.3
0103	(E) ACCESSIBLE CURB RAMP
0104	(E) ACCESSIBLE PARKING
0105	(E) VAN ACCESSIBLE PARKING
0145	PROTECT IN PLACE (E) SINK
1065	
1066	
1067	
1068	
1069	
1070	
1071	

DEMO GENERAL NOTES

- WHERE TILE AND MORTAR BED IS DEMOLISHED, PATCH AND REPAIR FLOOR AS REQUIRED FOR NEW FINISH.
- FIELD VERIFY ALL DIMENSIONS FOR EXISTING BUILDINGS.
- PROTECT IN PLACE ALL ITEMS, UNO.
- ANY DEMOLITION OF (E) EXTERIOR DOORS, FRAMES, AND WINDOW SYSTEMS IS TO BE DONE AS NOTED ON THE DRAWINGS. WHERE (E) DOOR AND WINDOW FRAME SYSTEMS ARE TO REMAIN IN PLACE THEY ARE TO BE PROTECTED DURING THE ENTIRE PROJECT.
- REMOVE ALL ADHESIVE AND EXCESS MATERIAL LEFT BEHIND DURING THE DEMOLITION OF THE FLOORING IN ORDER TO PROVIDE A CLEAN SURFACE FOR NEW FLOORING. REPAIR AND LEVEL EXISTING FLOORING PRIOR TO INSTALLING NEW FLOORING SYSTEM PER SPECIFICATIONS.
- EXISTING MARKER BOARDS TO BE REMOVED, PROTECTED AND RETURNED TO DISTRICT.

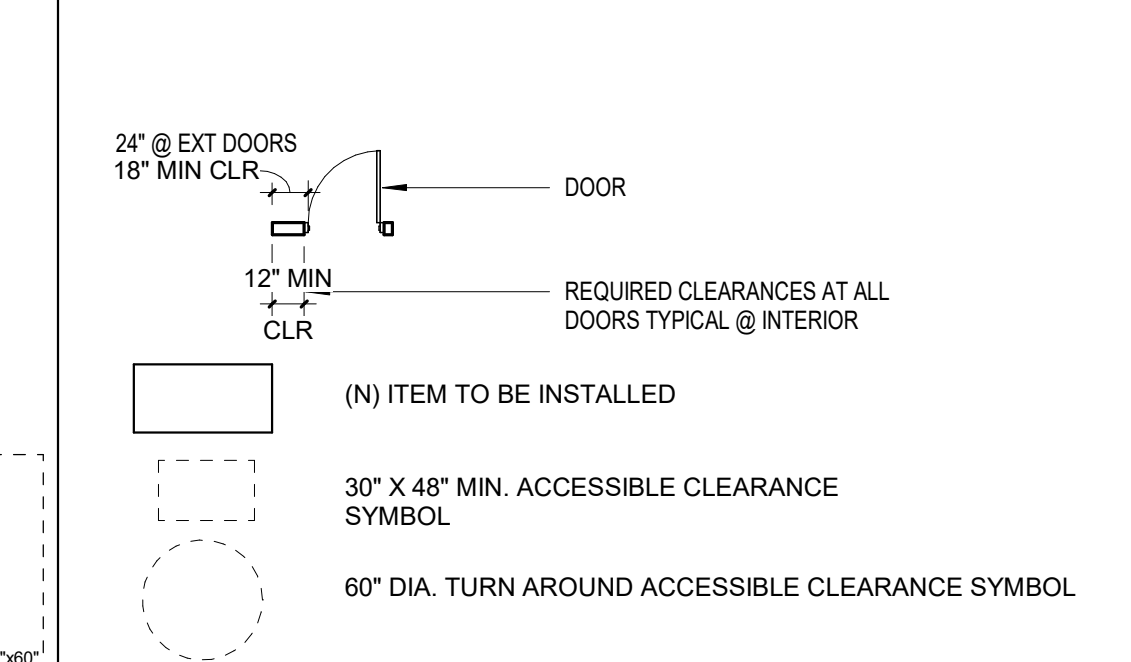
DEMO PLAN LEGEND



GENERAL NOTES

- PATCH AND REPAIR CONCRETE FLOOR SLAB BELOW DEMOLISHED WALLS, DOOR FRAMES, AND OTHER REMOVED ITEMS. PREP FOR NEW FINISHES.
- PATCH AND REPAIR (E) ADJOINING WALLS NOT TO BE DEMOLISHED AND PREP FOR NEW FINISHES AS REQUIRED, UNO.
- WALLS ARE FULL HEIGHT TO THE UNDERSIDE OF THE STRUCTURE ABOVE UNO.
- DIMENSIONS ARE TO FACE OF STUD AT EXTERIOR WALLS, CENTER OF STUD AT INTERIOR WALLS, AND FACE OF FINISH AT MASONRY WALLS, METAL DECK SCREEN WALLS, AND CURTAIN WALLS/STOREFRONT WALLS, UNO.

CONSTRUCTION LEGEND



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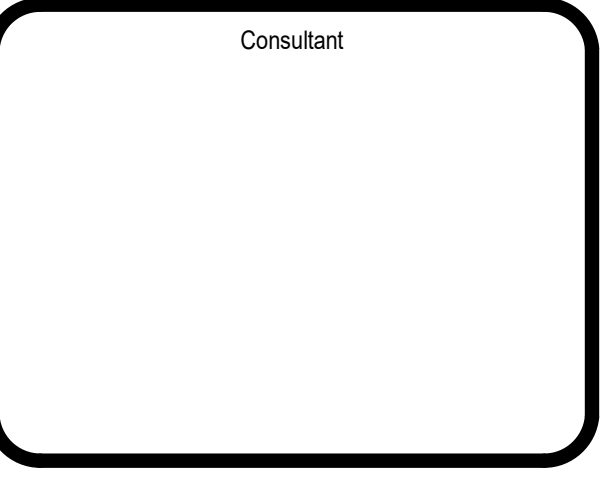
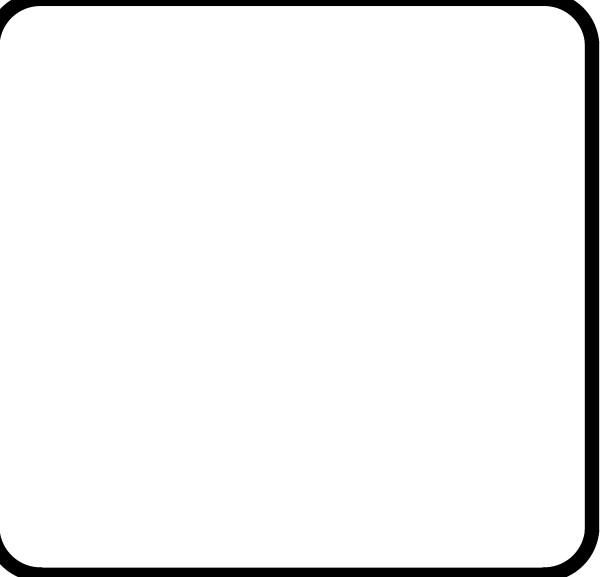


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No.	Description	Date	

ENLARGED PLANS AND ELEVATIONS

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ELECTRICAL SYMBOL LEGEND

1. EVERY SYMBOL SHOWN ON LEGEND MAY NOT APPEAR ON DRAWINGS.

LIGHTING

LED LIGHTING FIXTURE, LETTER INDICATES TYPE, SMALL LETTER INDICATES SWITCH CONTROL, NUMBER INDICATES CIRCUIT, CROSS HATCHING INDICATES FIXTURE ON EMERGENCY SYSTEM, FOR SOLID CIRCLE WITHIN FIXTURE REFERENCE APPROPRIATE CATEGORY "A" CIRCUIT RELATED SYMBOL.

EXIT LIGHT FIXTURE, LETTER INDICATES TYPE, NUMBER INDICATES CIRCUIT, NUMBER AND LOCATION OF SHADED TRIANGLE SECTIONS INDICATE NUMBER OF EXIT SIGN FACES AND DIRECTION OF EACH FACE. PROVIDE CHEVRON DIRECTIONAL INDICATORS AS SHOWN ON DRAWINGS

CONTROL

SWITCH, SMALL LETTER INDICATES FIXTURES CONTROLLED, "P" INDICATES PILOT LIGHT, "WP" INDICATES WEATHER-PROOF, "K" INDICATES KEY OPERATED, "MO" INDICATES SPOT MOMENTARY CONTACT, "Z" INDICATES SPOT, "3" INDICATES 3-WAY, "4" INDICATES 4-WAY, "M" INDICATES MANUAL MOTOR STARTER, CIRCUIT DESIGNATION NEXT TO SWITCH INDICATES BRANCH CIRCUIT NUMBER

WALL BOX DIMMER SWITCH, "MARK" INDICATES WATTAGE IF OTHER THAN 600, "30" INDICATES 3-WAY DIMMER

PHOTOELECTRIC CONTROL

WALL MOUNT OCCUPANCY SENSOR

DUAL TECHNOLOGY CEILING MOUNTED OCCUPANCY SENSOR

POWER OUTLETS

20A-125V DUPLEX RECEPTACLE

20A-125V GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE, "WP" INDICATES WEATHER PROOF DEVICE

20A-125V DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER TOP, REFER TO ARCHITECT FOR EXACT HEIGHT ABOVE COUNTER

20A-125V FOURPLEX RECEPTACLE, SAME SYMBOLOLOGY AS DUPLEX RECEPTACLE

CIRCUIT DESIGNATION NEXT TO RECEPTACLE DEVICES INDICATES BRANCH CIRCUIT NUMBER, SEE PANEL SCHEDULES FOR INFORMATION.

REMODEL

EQUIPMENT WITH "E" ADJACENT IS EXISTING TO REMAIN.

EXISTING EQUIPMENT WITH "R" ADJACENT IS TO BE COMPLETELY DISCONNECTED AND REMOVED.

EXISTING EQUIPMENT WITH "RR" ADJACENT IS TO BE DISCONNECTED, REMOVED AND RELOCATED TO NEW LOCATION AND RECONNECTED AS REQUIRED.

EQUIPMENT WITH "ER" ADJACENT IS RELOCATED EQUIPMENT SHOWN IN NEW LOCATION.

NO TAG INDICATES NEW EQUIPMENT.

CIRCUIT DESIGNATION WITH PREFIX "E" DENOTES EXISTING CIRCUIT AND EQUIPMENT IS TO REMAIN.

GENERAL NOTES

1. THE CONTRACTOR SHALL VISIT THE SITE INCLUDING ALL AREAS INDICATED ON THE DRAWINGS. HE SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND BY SUBMITTING A BID, ACCEPTS THE CONDITIONS UNDER WHICH HE SHALL BE REQUIRED TO PERFORM HIS WORK.

2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COMPLETE SET OF CONTRACT DOCUMENTS AND ADDENDA (DRAWINGS AND SPECIFICATIONS) HE SHALL CHECK THE CONTRACT DOCUMENTS OF THE OTHER TRADES AND DETERMINE HIS RESPONSIBILITIES. FAILURE TO DO SO SHALL NOT RELEASE THE CONTRACTOR FROM COMPLETING ALL RESPONSIBLE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

3. THE CONTRACTOR SECURE AND PAY FOR ALL PERMITS, FEES, CHARGES, AND INCIDENTAL COSTS NECESSARY FOR EXECUTION AND COMPLETION OF ELECTRICAL WORK, INCLUDING ALL CHARGES BY STATE, COUNTY AND LOCAL GOVERNMENT AGENCIES.

4. ALL ELECTRICAL WORK REFERENCED HEREIN SHALL BE COORDINATED WITH OTHER TRADES AND SITE CONDITIONS. ANY COSTS TO INSTALL WORK TO ACCOMPLISH SAID COORDINATION WHICH DIFFERS FROM THE WORK AS SHOWN ON THE CONTRACT DOCUMENTS SHALL BE INCURRED BY THE CONTRACTOR. ANY DISCREPANCIES, AMBIGUITIES OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT DURING BID TIME FOR CLARIFICATION. ANY SUCH CONFLICTS NOT CLARIFIED PRIOR TO BID SHALL BE SUBJECT TO THE INTERPRETATION OF THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.

5. PROVIDE TEMPORARY POWER FACILITIES AND CONNECTIONS FOR ALL FEEDERS, BRANCH CIRCUITS OR SIGNAL AND COMMUNICATIONS SYSTEMS BEING DISCONNECTED IN ORDER TO MAINTAIN SYSTEMS IN OPERATION.

6. ALL INTERRUPTION OF ELECTRICAL POWER SHALL BE KEPT TO A MINIMUM. HOWEVER WHEN AN INTERRUPTION IS NECESSARY, THE SHUTDOWN MUST BE COORDINATED WITH THE OWNER AND ENGINEER 14 DAYS PRIOR TO THE OUTAGE AND OVERTIME PAY SHALL BE INCLUDED IN THE CONTRACTOR'S BID. WORK IN EXISTING SWITCHBOARDS OR PANEL BOARDS SHALL BE COORDINATED WITH THE OWNER PRIOR TO REMOVING ACCESS PANELS OR DOORS.

7. AFTER ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS HAVE BEEN FULLY COMPLETED, REPRESENTATIVES OF THE OWNERS WILL INSPECT THE WORK. THE CONTRACTOR SHALL PROVIDE COMPETENT PERSONNEL TO DEMONSTRATE THE OPERATION OF ANY ITEM OR SYSTEM TO THE FULL SATISFACTION OF EACH REPRESENTATIVE. FINAL ACCEPTANCE OF THE WORK WILL BE MADE BY THE OWNER AFTER RECEIPT OF APPROVAL AND RECOMMENDATION OF ACCEPTANCE FROM EACH REPRESENTATIVE.

8. FURNISH A ONE YEAR WRITTEN GUARANTEE OF MATERIALS AND WORKMANSHIP FROM THE DATE OF PUNCH LIST COMPLETION.

9. ALL FINAL CONNECTIONS TO OWNER FURNISHED EQUIPMENT SHALL BE MADE BY THE CONTRACTOR.

10. EXACT METHOD AND LOCATION OF CONDUIT PENETRATION AND OPENINGS IN CONCRETE OR MASONRY WALLS, GRADEBEAMS, FLOORS OR STRUCTURAL STEEL MEMBER SHALL BE AS DIRECTED BY THE STRUCTURAL ENGINEER. PERFORM CORING, SAWCUTTING, PATCHING AND REFINISHING OF WALLS AND SURFACES WHEREVER IT IS NECESSARY TO PENETRATE. OPENINGS SHALL BE SEALED IN AN APPROVED METHOD TO MEET THE FIRE RATING OF THE PARTICULAR WALL, FLOOR OR CEILING EXACT METHOD AND LOCATION OF CONDUIT PENETRATIONS AND OPENINGS IN CONCRETE WALLS OR FLOORS SHALL BE UL APPROVED.

11. FINAL CONNECTIONS TO VIBRATING EQUIPMENT AND AT SEISMIC SEPARATIONS SHALL BE FLEXIBLE STEEL CONDUIT IN DRY INTERIOR LOCATIONS, AND LIQUID-TIGHT FLEXIBLE STEEL CONDUIT IN AREAS EXPOSED TO WEATHER, DAMP LOCATIONS, CONNECTIONS TO TRANSFORMER ENCLOSURES, AND FINAL CONNECTIONS TO MOTORS.

12. EQUIPMENT OUTLETS, LIGHTING FIXTURES, CONDUIT, WIRE AND CONNECTION METHODS IN HVAC AIR-PLenums SHALL BE APPROVED FOR USE IN PLENUMS AND SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE.

13. ROUTE EXPOSED CONDUIT AND CONDUIT ABOVE ACCESSIBLE CEILING SPACES PARALLEL AND PERPENDICULAR TO WALLS AND ADJACENT PIPING, ARRANGE CONDUIT TO MAINTAIN HEADROOM AND TO PRESENT A NEAT APPEARANCE.

14. CONDUIT SHALL NOT BE INSTALLED IN ANY FLOOR SLAB. CONDUIT SHALL BE INSTALLED CONCEALED IN THE CEILING SPACE, CONCEALED WALLS, OR 2" MINIMUM BELOW SLAB ON GRADE UNLESS NOTED OTHERWISE.

15. LOCATE ELECTRICAL EQUIPMENT AND BOXES IN ACCESSIBLE CEILING SPACE OR PROVIDE AN ACCESS PANEL FOR INACCESSIBLE CEILING SYSTEMS. ACCESS DOORS SHALL BE A MINIMUM DIMENSION OF 24" x 24" ACCESS DOOR LOCATIONS SHALL SUIT ACCESSIBILITY AND CONSTRUCTION CONDITIONS. ACCESS DOORS SHALL HAVE A FIRE RATING EQUAL TO THE CEILING ASSEMBLY IN WHICH THEY ARE INSTALLED.

16. COORDINATE REQUIRED ACCESS DOORS IN NON-ACCESSIBLE CEILING TO SUIT FIELD CONDITIONS. THE EXACT SIZES AND PHYSICAL LOCATIONS OF SUCH ACCESS DOORS SHALL BE PROVIDED IN THE CONTRACT DOCUMENTS. ACCESS DOORS SHALL BE PROVIDED IN OTHER SECTIONS OF THE SPECIFICATIONS. ACCESS DOORS SHALL HAVE A FIRE RATING EQUAL TO THE CEILING ASSEMBLY IN WHICH THEY ARE INSTALLED.

17. WHENEVER A DISCREPANCY OF ANY SYSTEM AND/OR EQUIPMENT ARISES ON THE CONTRACT DOCUMENTS OR SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL MATERIAL AND SERVICES REQUIRED BY THE STRICTEST CONDITIONS NOTED ON THE DRAWINGS OR SPECIFICATIONS TO ENSURE COMPLETE AND OPERABLE SYSTEMS AS REQUIRED BY THE OWNER AND ARCHITECT/ENGINEER.

18. STRAIGHT FEEDER BRANCH CIRCUIT AND CONDUIT RUNS SHALL BE PROVIDED WITH SUFFICIENT PULL BOXES OR JUNCTION BOXES TO LIMIT THE MAXIMUM LENGTH OF ANY SINGLE CABLE PULL TO 100 FEET. PULL BOXES SHALL BE SIZED PER CODE OR AS INDICATED ON DRAWINGS.

19. PANEL SCHEDULES SHALL BE REVISED TO REFLECT FINAL ROOM NAMES AND NUMBERS USING OWNER'S ROOM NAMES AND NUMBERS DESIGNATIONS. CONTRACTOR TO PROVIDE FINAL PANEL SCHEDULE TO EOR AT COMPLETION OF PROJECT.

20. WHERE OUTLETS OCCUR AT TACKABLE WALL PANELS OR OTHER WALL FINISHES, PROVIDE EXTENSION RINGS AS REQUIRED SO THAT NO SPACE WILL EXIST BETWEEN DEVICE PLATE AND BACKBOX PER CALIFORNIA ELECTRICAL CODE 314.20 SEE ARCHITECTURAL ELEVATIONS FOR WALL FINISHES AND LOCATIONS.

21. COORDINATE LOCATIONS OF ALL SEISMIC SEPARATIONS.

GENERAL NOTES

22. ALL 120V POWER REQUIRED FOR THE FUNCTIONALITY OF ALL LOW VOLTAGE / TECHNOLOGY SYSTEMS SHALL BE A DEDICATED CIRCUIT AND ON EMERGENCY POWER WHEN AVAILABLE. CABLING CONTRACTOR SHALL COORDINATE ALL 120V POWER REQUIREMENTS AND LOCATIONS WITH ELECTRICAL CONTRACTOR FOR ALL EQUIPMENT.

23. SYSTEM WIRING AND EQUIPMENT INSTALLATION SHALL BE IN ACCORDANCE WITH GOOD ENGINEERING PRACTICES AS ESTABLISHED BY THE IEA AND THE CEC.

24. ALL AC POWER CABLES ARE TO BE INSTALLED WITH A MINIMUM OF 12 INCHES OF SEPARATION FROM TECHNOLOGY LOW VOLTAGE CABLES, INTERCOM, FIRE ALARM, SECURITY CABLES IN ANY PARALLEL OPEN WIRE RUN.

25. CONTRACTOR SHALL PROVIDE AND INSTALL ALL SLEEVES REQUIRED TO INSTALL COMMUNICATION CABLING THROUGH RATED WALLS. ALL TECHNOLOGY SYSTEM CONDUIT SLEEVES SHALL HAVE PROTECTIVE BUSHING ON BOTH ENDS, BE DEDICATED FOR TECHNOLOGY SYSTEMS ONLY AND SHALL NOT SHARE WITH OTHER BUILDING TRADES.

26. CONTRACTOR SHALL MAINTAIN WALL RATING WITH PROPER FIRE BLOCKING METHODS.

27. ALL CONDUCTORS SHALL BE UL LISTED, COPPER #12 MINIMUM SIZE, TYPE THHN/THWN THERMOPLASTIC, 600 VOLT, 75 DEGREES CELSIUS WET AND 90 DEGREES CELSIUS DRY, UNLESS NOTED OTHERWISE.

28. ALL CABLING SHALL BE ROUTED IN CONDUIT. SIZE CONDUIT AS REQUIRED TO ROUTE SYSTEMS WITH MAXIMUM 40% CABLE FILL. MINIMUM CONDUIT SIZE SHALL BE 3/4" INTERIOR & 1" EXTERIOR.

29. ALL CONDUIT STUB OUTS AND SLEEVES SHALL HAVE PROTECTIVE BUSHINGS TO PREVENT CABLE DAMAGE. BUSHING TO BE INSTALLED PRIOR TO CABLE INSTALLATION. CUTTING BUSHING AND INSTALLING AFTER CABLE IS INSTALLED WILL NOT BE ACCEPTED.

DRAWING INDEX

Table with 2 columns: SHEET, DESCRIPTION. Rows include E0.00 ELECTRICAL SYMBOLS, LEGENDS & GENERAL NOTES, E0.01 ELECTRICAL SPECIFICATIONS, E1.01 ELECTRICAL SITE PLAN, E5.01 SINGLE LINE DIAGRAM & DETAILS.

DIAGRAMMATIC NOTE

DRAWINGS ARE DIAGRAMMATIC AND DO NOT INDICATE DETAILED CONDUIT ROUTING OR LENGTHS REQUIRED FOR COMPLETE INSTALLATION. ROUTING OF RACEWAYS SHALL BE AT THE OPTION OF THE CONTRACTOR BUT SHALL BE IN STRICT COMPLIANCE WITH STRUCTURAL REQUIREMENTS, CONTRACT DOCUMENTS AND SPECS UNLESS OTHERWISE NOTED. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES. DO NOT SCALE THE ELECTRICAL DRAWINGS FOR LOCATIONS OF ANY ELECTRICAL, ARCHITECTURAL, STRUCTURAL AND/OR MECHANICAL ITEMS OR FEATURES. REFER TO ARCHITECTURAL AND STRUCTURAL CONTRACT DOCUMENTS FOR FEATURES. REFER TO ARCHITECTURAL AND STRUCTURAL CONTRACT DOCUMENTS FOR DIMENSIONS.

DEVICE LOCATIONS NOTE

THE LOCATION OF ALL ELECTRICAL DEVICES AND EQUIPMENT SHALL BE COORDINATED WITH THE ARCHITECTURAL ELEVATIONS, DETAILS, OR SECTIONS PRIOR TO INSTALLATION. ALL ELECTRICAL DEVICES AND EQUIPMENT SHALL BE RECESSED IN WALLS UNLESS OTHERWISE NOTED. OUTLETS NOT INDICATED ON ARCHITECTURAL ELEVATIONS SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO ROUGH-IN, UNLESS OTHERWISE NOTED. ELECTRICAL DEVICES SHALL BE MOUNTED PER ACCESSIBLE DEVICE MOUNTING HEIGHT DETAIL.

COORDINATE WITH OTHER TRADES AS TO THE EXACT LOCATION OF THEIR RESPECTIVE EQUIPMENT SUPPLY POWER AND MAKE CONNECTION TO MOTORS AND EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS AS INDICATED ON THE SINGLE LINE DIAGRAM, ELECTRICAL DRAWINGS, AND DRAWINGS OF OTHER TRADES. REVIEW THE DRAWINGS OF OTHER TRADES FOR CONTROL DIAGRAMS, SIZE AND LOCATION OF EQUIPMENT, DISCONNECT SWITCHES, STARTERS, WIRING, CONTROLS, AND CONDUIT FOR MECHANICAL AND PLUMBING OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING MANUFACTURER'S SHOP DRAWINGS PRIOR TO ROUGHING IN ALL CONDUIT TO THIS EQUIPMENT.

UTILITY PENETRATIONS NOTE

UTILITY PENETRATIONS OF ANY KIND IN FIRE AND SMOKE PARTITIONS AND CEILING ASSEMBLIES SHALL BE FIRESTOPPED AND SEALED WITH AN APPROVED UL LISTED SYSTEM OR MATERIAL.

STEEL ELECTRICAL OUTLET BOXES WHICH DO NOT EXCEED 16 SQUARE INCHES IN AREA, NEED NOT BE PROTECTED IN ONE-HOUR OR TWO-HOUR FIRE RATED WALLS, PARTITIONS, CEILING, OR AREA SEPARATION UNLESS THEY:

1. OCCUR ON OPPOSITE SIDES OF THE WALL WITHIN 24 INCH HORIZONTAL DISTANCE OF ONE ANOTHER IN THIS CASE, ONLY ONE OUTLET BOX NEEDS TO BE PROTECTED BY AN APPROVED FIRESTOP MATERIAL OR DETAIL TO CORRECT THIS CONDITION.

2. OCCUR IN COMBINATION WITH OUTLET BOXES OF ANY SIZE SUCH THAT THE AGGREGATE AREA OF UNPROTECTED OUTLET BOXES EXCEEDS 100 SQUARE INCHES IN ANY 100 SQUARE FEET OF WALL AREA IN THIS CASE, ONLY A SUFFICIENT NUMBER OF OUTLET BOXES NEED TO BE PROTECTED BY AN APPROVED MATERIAL OR DETAIL TO DECREASE THE AGGREGATE AREA OF UNPROTECTED UTILITY BOXES TO LESS THAN 100 SQUARE FEET OF WALL.

STEEL ELECTRICAL OUTLET BOXES WHICH EXCEED 16 SQUARE INCHES IN AREA, AND ALL OTHER STEEL UTILITY OUTLET BOXES REGARDLESS OF SIZE, SHALL BE PROTECTED BY AN APPROVED FIRESTOP MATERIAL AS LISTED OR EQUAL.

FIRESTOPPING MATERIAL:

MPP-1 MOLDABLE PUTTY PADS

3M CONTRACTOR PRODUCTS

MINNEAPOLIS

MN 3M TEST REPORT NO. 1167

DATED AUGUST 21, 1987

FSP FIRESTOP PUTTY PADS

HEVI-DUTY NELSON PRODUCTS

TULSA, OK

STEEL UTILITY BOXES WHICH EXCEED 100 SQUARE INCHES IN AREA SHALL BE PROTECTED BY ENCASEMENT.

UTILITY AND ELECTRICAL OUTLETS OR BOXES SHALL BE SECURELY FASTENED TO THE STUD FRAMING OF THE WALL, PARTITION OR CEILING ASSEMBLY. THE OPENING IN THE GYPSUM BOARD FACING SHALL BE CUT SO THAT THE CLEARANCE BETWEEN THE BOX AND THE GYPSUM BOARD DOES NOT EXCEED 1/8 INCH IN SMOKE WALLS OR PARTITIONS, THE 1/8 INCH CLEARANCE SHALL BE FILLED WITH AN APPROVED FIRE-RATED SEALANT.

APPLICABLE CODES

LIST OF APPLICABLE CODES

- 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

APPLICABLE STANDARDS
FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 36 AND CFC CHAPTER 80.

EQUIPMENT ANCHORAGE NOTES

MEP COMPONENT ANCHORAGE NOTES:

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 AND 30:

- 1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRIC, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

- 1. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
2. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUND PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC, SECTION 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., HCA OPM FOR2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOB SITE PRIOR TO START OF AND DURING THE HANGING AND BRACING OF DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP [] MD [] PP [] E [] OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES & DETAILS.

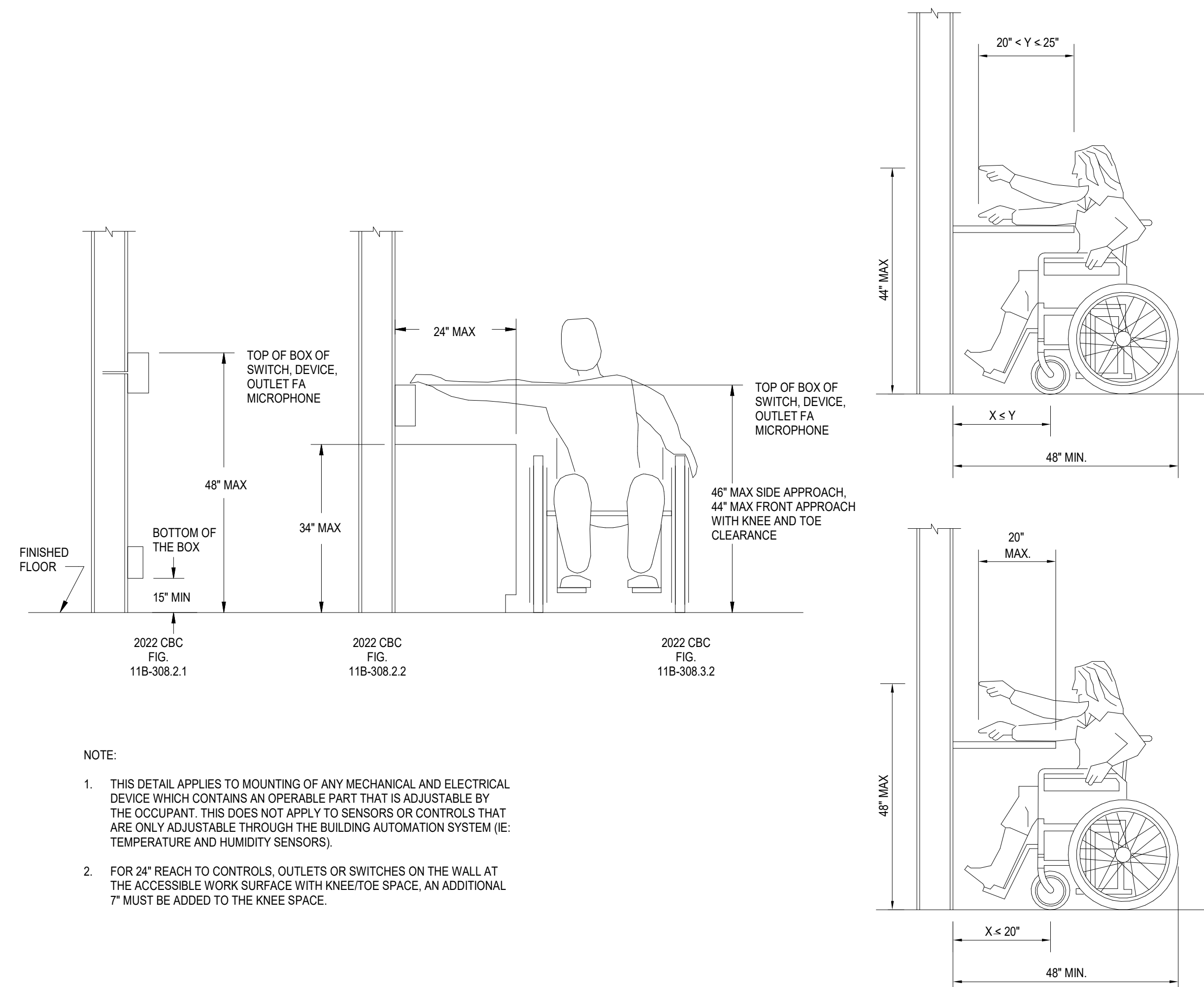
MP [] MD [] PP [] E [] OPTION 2: SHALL COMPLY WITH THE APPLICABLE QSPHD PRE-APPROVAL (OPM #) #

UL LISTINGS NOTE

ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BE LISTED BY UNDERWRITER'S LABORATORIES (UL) AND BEAR THEIR LABEL OR LISTED AND CERTIFIED BY A NATIONALLY RECOGNIZED TESTING AUTHORITY.

ALL EQUIPMENT/DEVICES INSTALLED RECESSED IN FIRE RATED CEILING OR WALLS SHALL BE ENCLOSED WITH AN APPROVED UL LISTED ENCLOSURE CARRYING THE SAME FIRE RATING AS THE CEILING OR WALL.

MOUNTING OVER OBSTRUCTION DETAILS



NOTE:

- 1. THIS DETAIL APPLIES TO MOUNTING OF ANY MECHANICAL AND ELECTRICAL DEVICE WHICH CONTAINS AN OPERABLE PART THAT IS ADJUSTABLE BY THE OCCUPANT. THIS DOES NOT APPLY TO SENSORS OR CONTROLS THAT ARE ONLY ADJUSTABLE THROUGH THE BUILDING AUTOMATION SYSTEM (IE. TEMPERATURE AND HUMIDITY SENSORS).
2. FOR 24\"/>

STRUCTURAL NOTE

UNLESS SPECIFICALLY SHOWN ON THESE PLANS, STRUCTURAL MEMBERS SHALL NOT BE CUT, DRILLED, OR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.

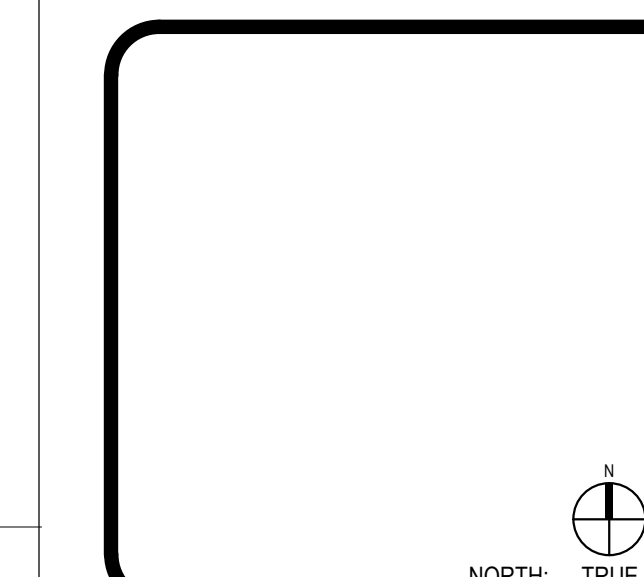


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Consultant

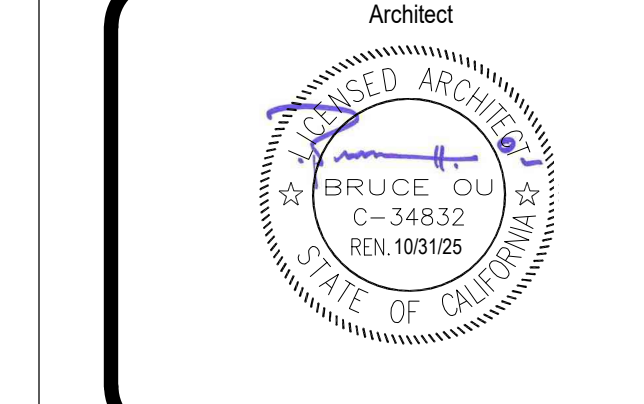
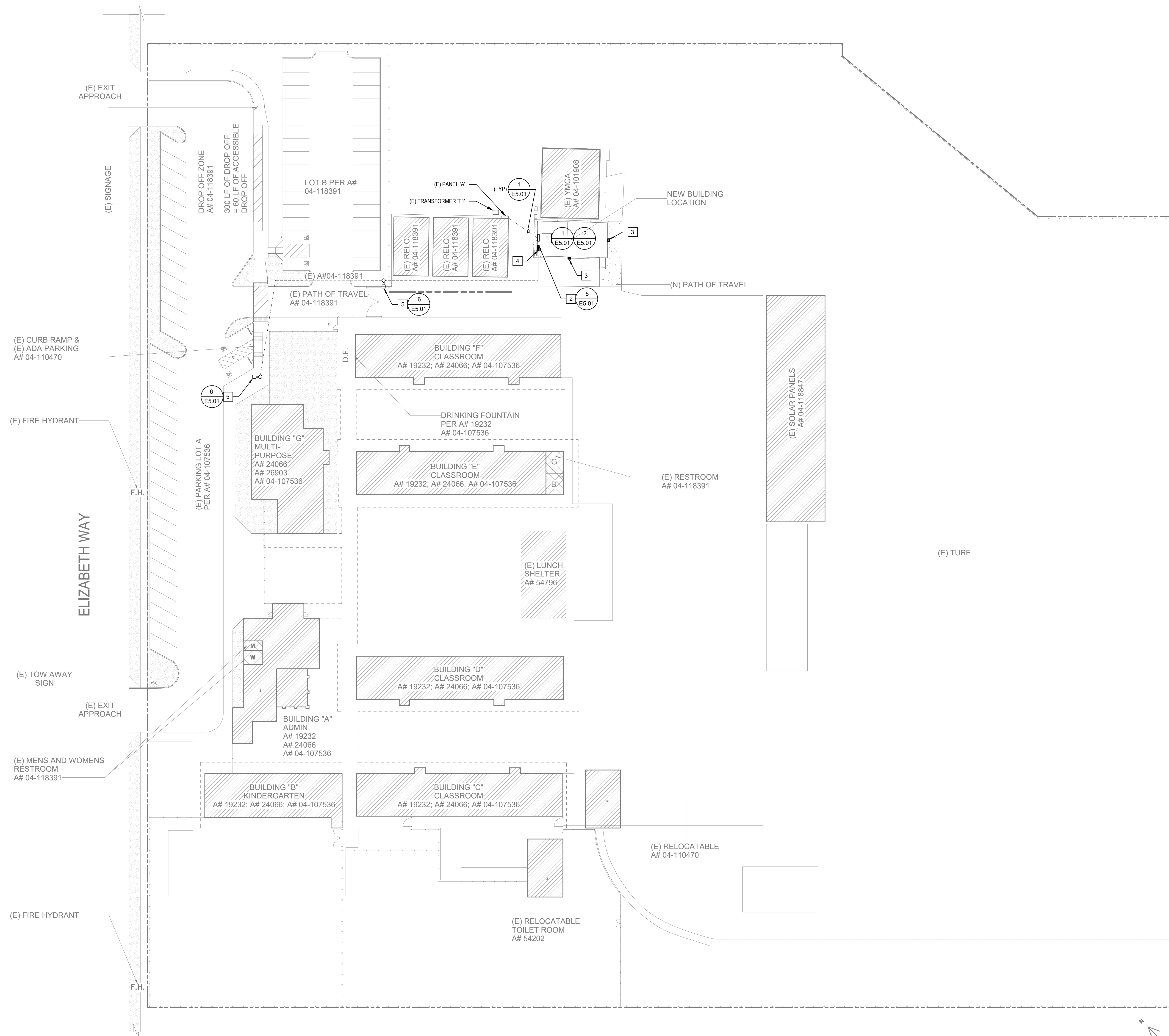


Table with columns: No., Description, Date. Includes CLIENT TUSD and PROJECT NUMBER 230379.

ELECTRICAL SYMBOLS, LEGENDS & GENERAL NOTES



GENERAL NOTES

1. ELECTRICAL ENGINEERING FOR THIS PROJECT IS BASED ON EXISTING DRAWINGS OF THE ELECTRICAL SYSTEM. IN CASE OF ANY DISCREPANCIES WITH EXISTING FIELD CONDITIONS, ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT DIFFERENCES AND NOTIFY THE ELECTRICAL ENGINEER FOR POSSIBLE REVISION TO THESE DOCUMENTS.
2. COORDINATE ROUTING FOR ALL UNDERGROUND ELECTRICAL BRANCH CIRCUITS AND FEEDERS WITH OTHER DISCIPLINES PRIOR TO TRENCHING.
3. UNLESS NOTED OTHERWISE, ALL UNDERGROUND CONDUIT SHOWN ON THIS PLAN TO BE MINIMUM 1" IN SIZE.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES CAUSED BY INSTALLATION OF NEW WORK.
5. ALL PANELBOARDS ARE PRE-INSTALLED BY PORTABLE MANUFACTURER. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS AND QUANTITY PRIOR TO ROUGH-IN.
6. PATHWAY IS APPROXIMATE. CONTRACTOR SHALL VERIFY PROPER PATHWAY PRIOR TO INSTALLATION.
7. REFER TO SINGLE LINE DIAGRAM ON 4/E5.01 FOR FEEDER SIZING.

KEY NOTES

1. 100A, 120/208V, 3PH, 4W PANEL TO BE PROVIDED WITH NEW PORTABLE BUILDING PANEL TO BE FED AS SHOWN ON SINGLE LINE DIAGRAM ON SHEET E5.01. CONTRACTOR TO FIELD VERIFY CIRCUITS ARE OPEN TO USE.
2. PROVIDE NEW LIGHTING INVERTER AT LOCATION SHOWN (MYERS ILLUMINATOR LVM-250-G). CONTRACTOR TO CONNECT NEW PORTABLE WALLPACK LIGHT FIXTURES AND NEW POLE LIGHT FIXTURE TO NEW INVERTER. PROVIDE 120V POWER TO NEW INVERTER FROM PORTABLE PANEL.
3. PROVIDE NEW LED WALL PACK LIGHTING AT LOCATION SHOWN (ELUCENT WALL PACK WPS-40-40-120-G). CONTRACTOR TO CIRCUIT NEW WALLPACKS INTO NEW MYERS INVERTER. CONTRACTOR TO VERIFY EXACT LOCATION OF LIGHTING.
4. PROVIDE 365-DAYS ASTRONOMICAL TIME CLOCK SWITCH - NEMA 3R WITH PHOTOCCELL SENSOR AT ROOF LEVEL FACING NORTH.
5. INSTALL NEW POLE FIXTURE MOUNTED @ 15'-0". LITHONIA - DSX2 LED P2 40X 70CRI TFTM MVOLT SPA PIR DBXD WITH POLE 'SSS XXFT 4C MOUNTING DBXD'. ROUTE CIRCUIT THROUGH MYERS INVERTER LOCATED IN BLDG E.

Not for permitting or construction



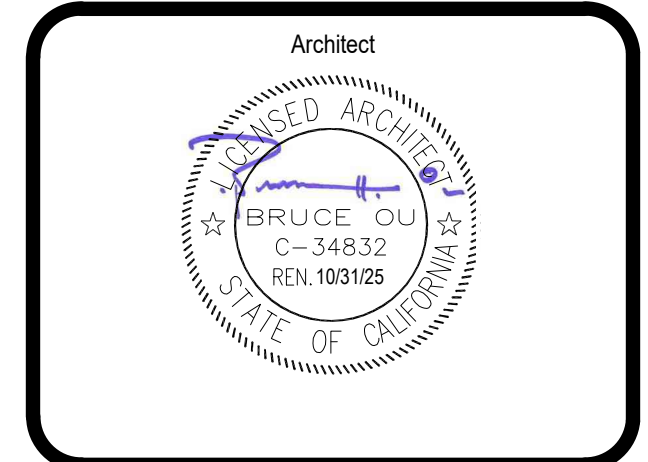
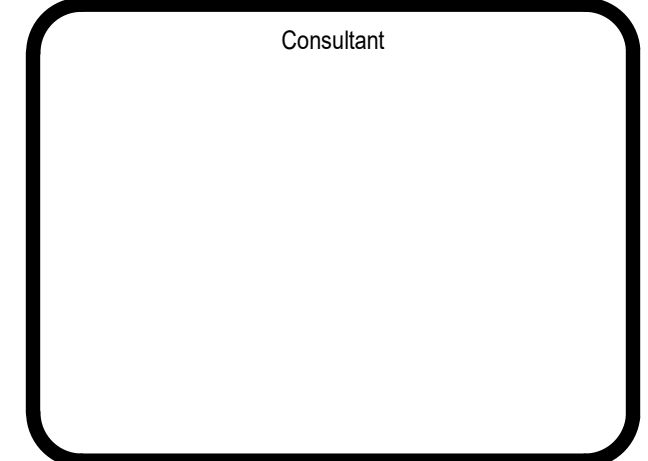
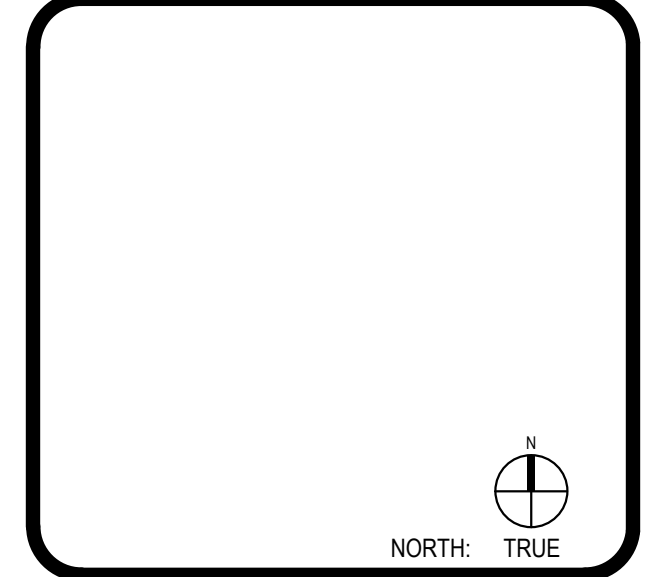
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DSA-APP# NO.: XXXX DSA-FILE NO.: XXXX



CLIENT TUSD		
DATE xxxx	PROJECT NUMBER 230379	
REVISIONS		
No.	Description	Date

ELECTRICAL SITE PLAN

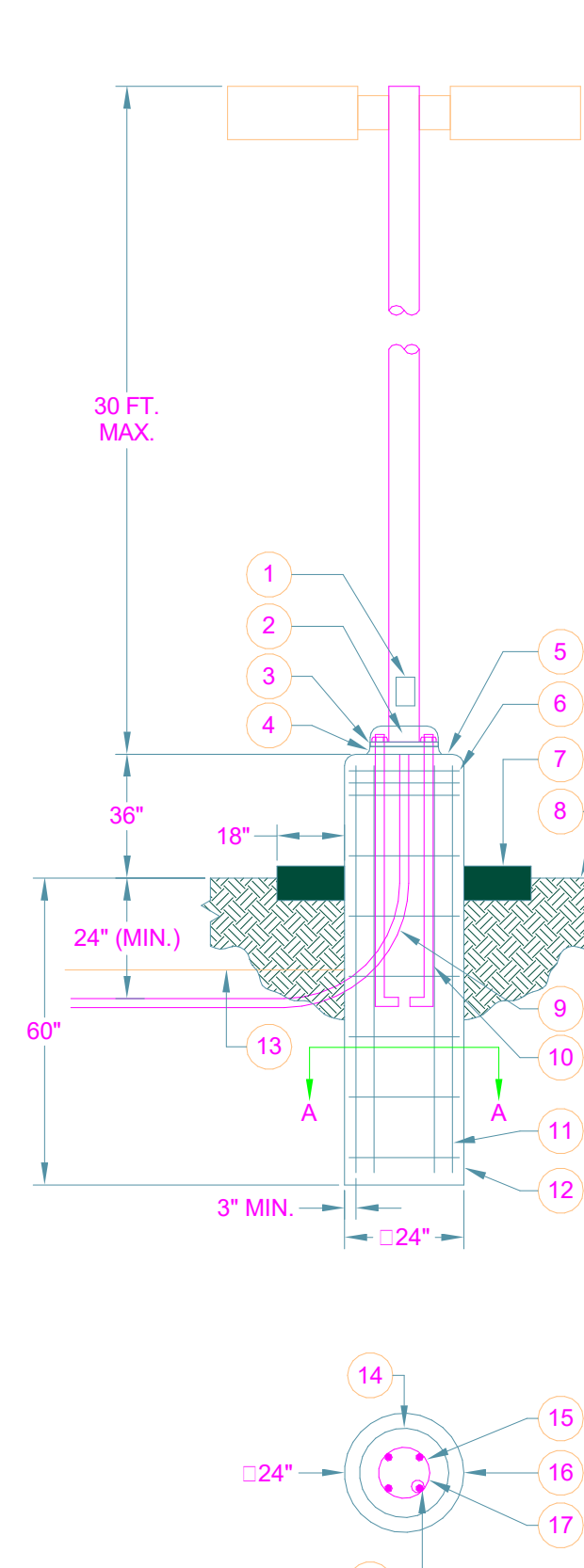
This document is for plan review only

(E) Branch Panel: A

CIR NO	Circuit Description	Breaker amps/poles	MOUNTING: EXISTING			Legend	Circuit Description	CIR NO
			A	B	C			
1	EXISTING LOAD	100 A 2	0/0			1 20 A	2	EXISTING LOAD
3	---	---	0/0			2 100 A	4	EXISTING LOAD
5	SPARE	20 A 1		0/0				
7	SPARE	20 A 1	0/0					
9	SPARE	20 A 1		0/0				
11	EXISTING LOAD	100 A 2						
13	---	---	0/0			1	---	SPACE
15	SPACE	---		0/0		1	---	SPACE
17	SPACE	---				1	---	SPACE
19	SPACE	---	0/0			1	---	SPACE
21	SPACE	---		0/0		1	---	SPACE
23	SPACE	---				1	---	SPACE
25	SPACE	---	0/0			1	---	SPACE
27	SPACE	---		0/0		1	---	SPACE
29	SPACE	---				1	---	SPACE
31	SPACE	---	0/0			1	---	SPACE
33	SPACE	---		0/0		1	---	SPACE
35	SPACE	---				1	---	SPACE
37	SPACE	---		0/0		1	---	SPACE
39	SPACE	---				1	---	SPACE
41	SPACE	---				1	---	SPACE

Legend:	CONNECTED LOAD BY PHASE:	CONNECTED DEMAND LOAD	REMARKS:
** 6 mA GROUND FAULT CIRCUIT BREAKER	A: 0 VA	0 VA	
*30 mA GROUND FAULT CIRCUIT BREAKER	B: 0 VA	0 A 3 PH. AMPS	
# LOCK-ON CIRCUIT BREAKER HANDLE	C: 0 VA	0 A 3 PH. AMPS	
ST - SHUNT TRIP			

NEUTRAL BUS: EXISTING
 NEUTRAL RATINGS: EXISTING
 GROUND BUS: EXISTING
 VOLTAGE: 120/208V
 MAINS: EXISTING
 AIC RATING: EXISTING

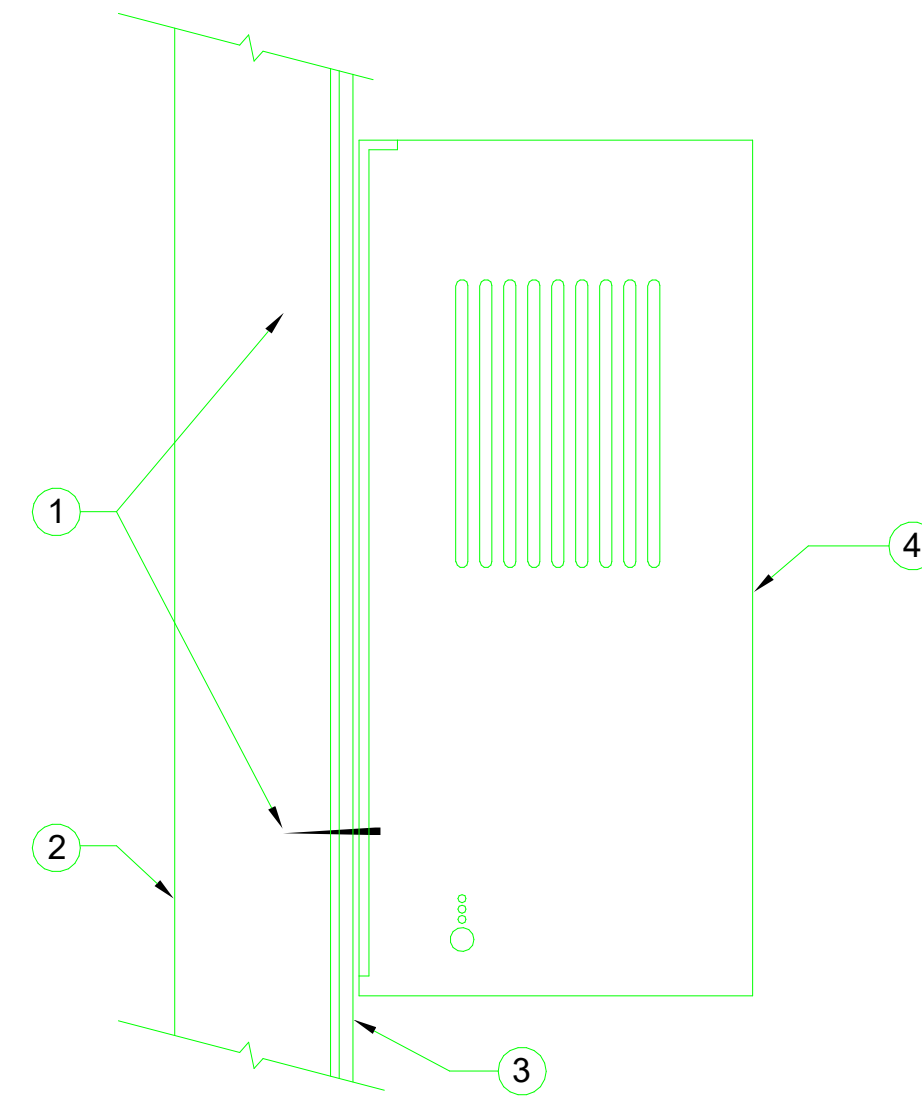


- HANDHOLE IN BASE OF POLE COMPLETE WITH GASKETED COVER
- BOND GROUND WIRE/CONDUIT TO POLE
- POLE BASE WITH WASHERS AND NUTS ON TOP AND BOTTOM AND FULL BASE COVER
- GROUT AROUND POLE BASE AFTER LEVELING
- RAISED CONCRETE BASE WITH EASED TOP EDGE 1/2" RADIUS CORNERS. SACK AND PATCH SURFACE TO ACHIEVE A SMOOTH UNIFORM FINISH.
- PLACE THREE #3 TIES IN TOP 5" BASE
- MOW STRIP SHALL BE FLUSH WITH SIDEWALK
- FINISHED GRADE
- THREE 3/4" CONDUITS - ONE FOR LIGHTING, ONE FOR POWER & ONE FOR SIGNAL
- TYPICAL OF FOUR 1" x 48" GALVANIZED THREADED RODS WITH NUTS DOUBLED. STEEL GRADE FOR ANCHOR BOLTS SHALL BE F1554 GRADE 36 STEEL (YIELD STRESS: 36KSI).
- FOUR #4 VERTICAL REBAR WITH #4 TIES ON 9" CENTER TO FORM CAGE
- CONCRETE BASE. CONCRETE TO BE MIN. 3000 PSI. IN 28 DAYS, POURED IN NATURALLY COMPACTED EARTH HOLE FREE OF LOOSE DIRT OR DEBRIS.
- PLASTIC WARNING TAPE MARKED "ELECTRICAL" 6" ABOVE CONDUIT
- TYP 18" DIAMETER ROUND STEEL CAGE
- TYP 10" DIAMETER ROUND CAGE WITH 9.5" BOLT CIRCLE
- CONCRETE BASE
- #4 VERTICAL REBAR, TYPICAL OF FOUR FOR EACH STEEL CAGE
- BOLT WITH #3 TIE, TYP.

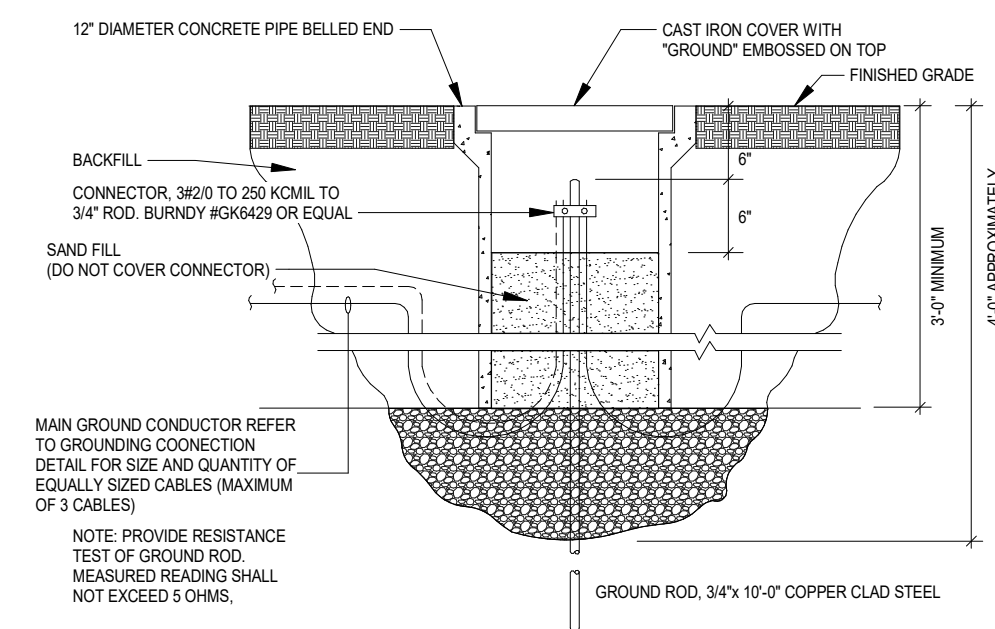
NOTE: REFER TO FIXTURE SCHEDULE FOR POLE AND FIXTURE TYPES.

6 LIGHTING POLE MOUNTED DETAIL
 NOT TO SCALE

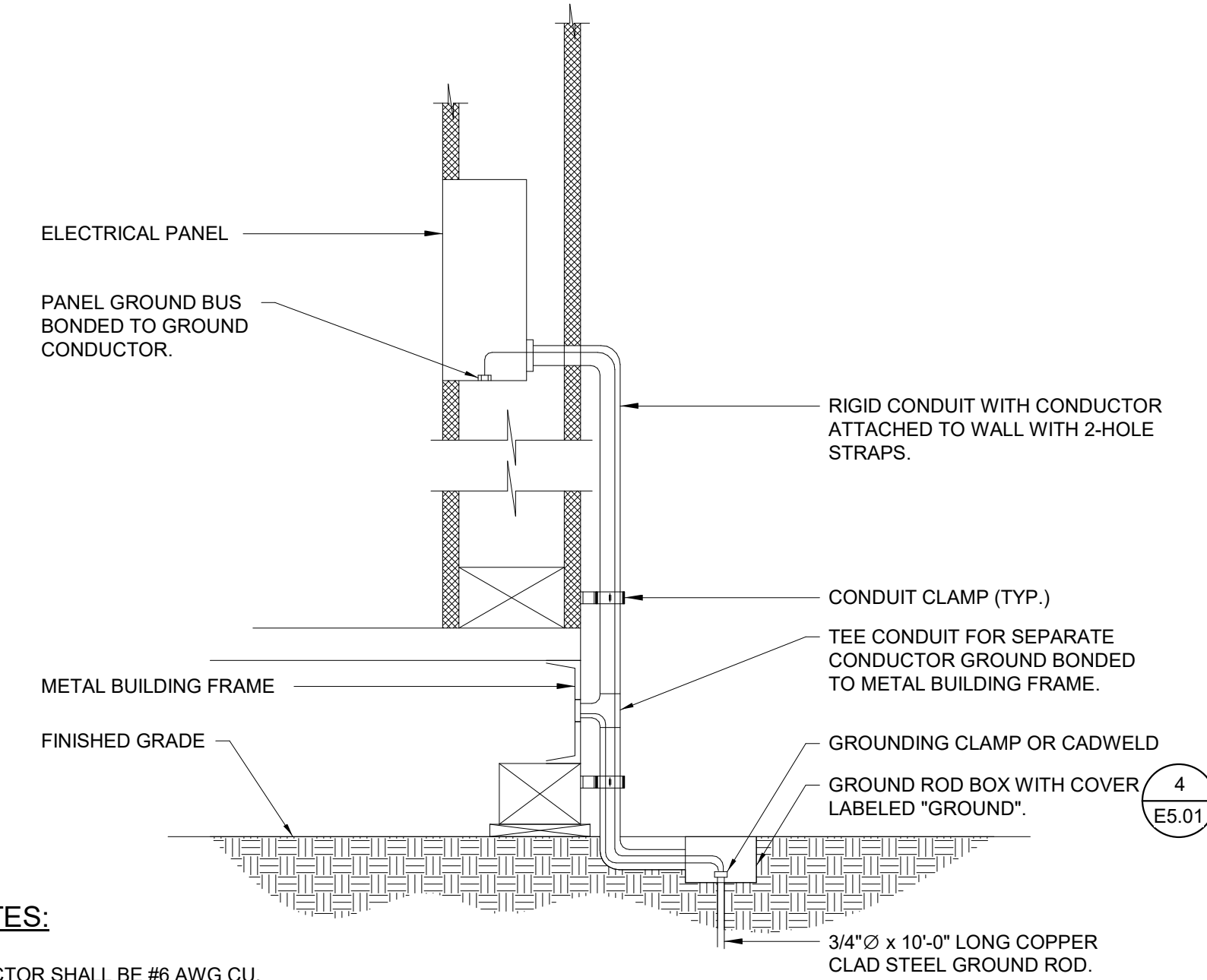
- (4) 1/4" PAN-HEAD TEK SCREWS X MIN. 2 1/2" EMBEDMENT INTO STUDS.
- METAL WALL STUDS AT 16" O.C.
- WALL FINISH
- EMERGENCY LIGHTING INVERTER, IOTA #IIS-375-LED, CEC COMPLIANT, 90 MINUTES RUNTIME 23.0"W x 8.2"D x 17.9"H 114 LBS.



5 LIGHTING INVERTER WALL MOUNTING DETAIL
 NOT TO SCALE



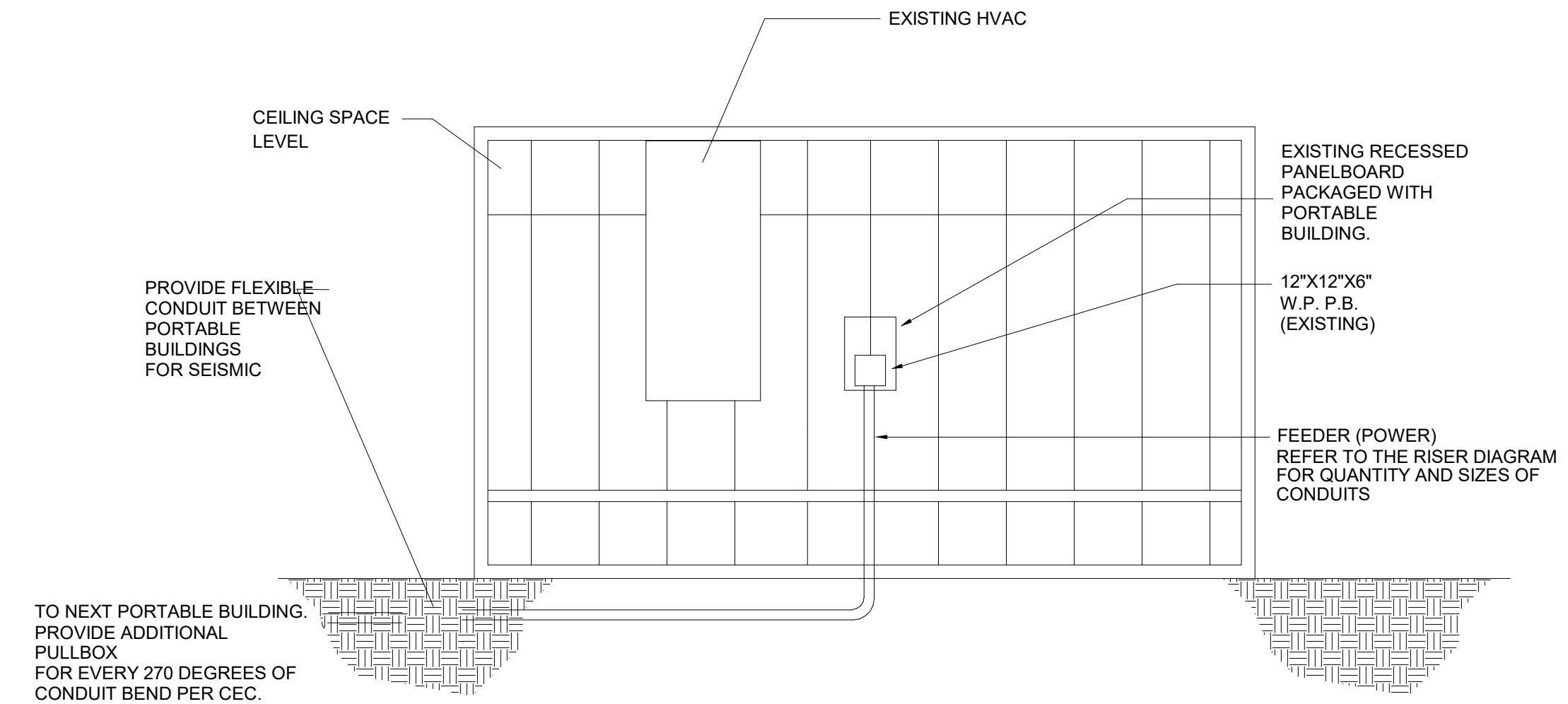
4 GROUND WELL ASSEMBLY
 NOT TO SCALE



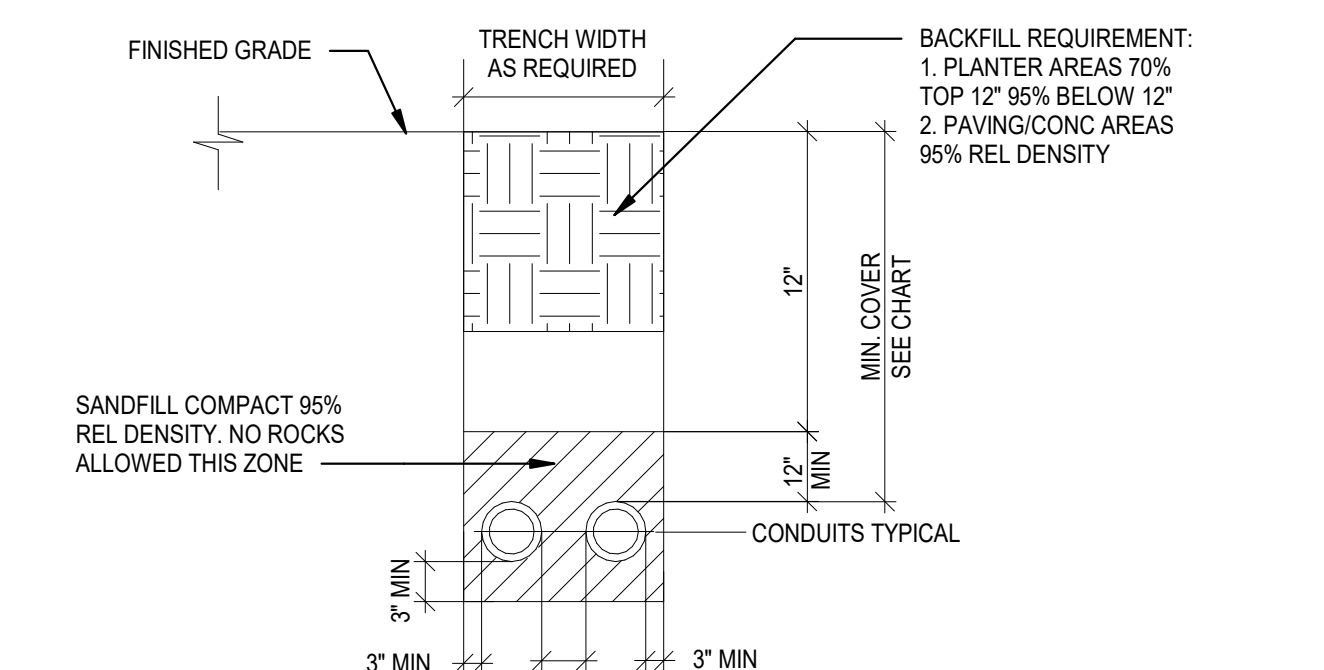
DETAIL NOTES:

- SIZE OF CONDUCTOR SHALL BE #6 AWG CU.
- BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL BUILDING FRAME (CEC. 250-81). IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10 FT. INTO THE SOIL IF AVAILABLE (CEC. 250-81 & 250-83).
- ALL MODULES OF METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDINGS).
- CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN, SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (CEC. 250-84).
- GROUND TEST SHALL BE WITNESSED BY PROJECT INSPECTOR, AND RECORDED FOR OWNER MANUAL.

1 PORTABLE BUILDING GROUNDING DETAIL
 NOT TO SCALE



2 PORTABLE BUILDING POWER CONNECTION DETAIL
 NOT TO SCALE



- NOTE:
- BACKFILL MTL TO BE PLACED IN 6" LAYERS OF PROPERLY MOISTENED MTL
 - SURFACING TO BE TRIMMED EXTRA WIDTH AFTER TRENCH IS BACKFILLED
 - POWER & LOW VOLTAGE/SIGNAL CONDUITS SHALL BE SEPARATED BY MIN. 12"
 - WHEN TRENCHING NEAR FOOTING, REFER TO 2/50.1 & 12/5.01 FOR MORE INFORMATION

POWER	24" MIN COVER UNO
TEL/DATA/TV/FA/SIGNAL	24" MIN COVER UNO

3 TRENCH DETAIL
 NOT TO SCALE

Not for permitting or construction



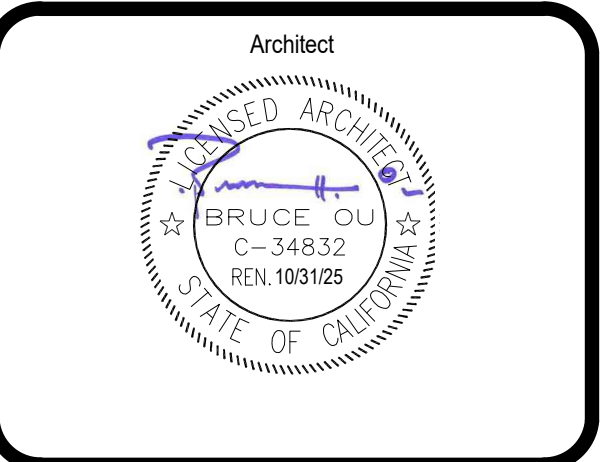
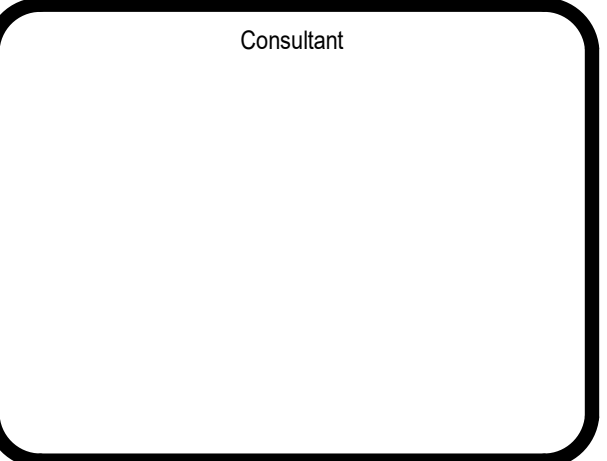
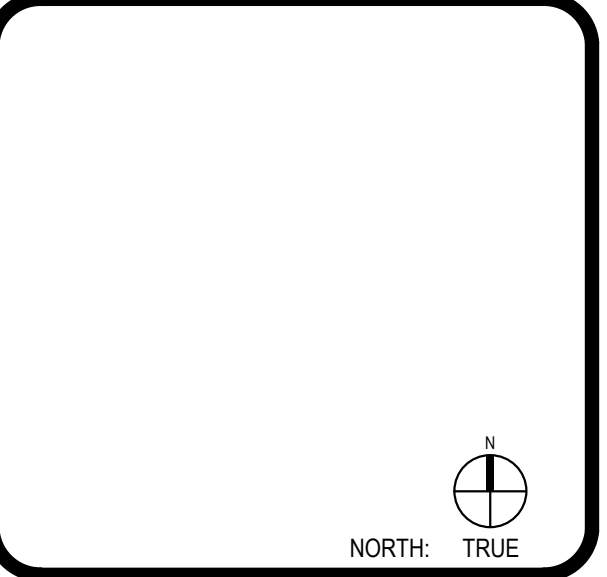
ARCHITECT: ANAHEIM PBK Architects, Inc.
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CONSULTANT: LEAF ENGINEERS
 8163 Rochester Avenue, Suite 100
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PROJECT ADDRESS:
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 Tustin, CA 92780

DSA FILE NO.: XXXX
 DSA APPL. NO.: XXXX



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SINGLE LINE DIAGRAM & DETAILS

E5.01

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TECHNOLOGY PLAN GENERAL NOTES

- 1. ALL 120V POWER REQUIRED FOR THE FUNCTIONALITY OF EACH SYSTEM SHALL BE A DEDICATED CIRCUIT AND ON EMERGENCY POWER WHEN AVAILABLE. THE INSTALLING CONTRACTOR OF EACH SYSTEM SHALL BE RESPONSIBLE FOR PROVIDING THEIR OWN 120V POWER REQUIREMENTS FOR ALL REMOTE POWER SUPPLIES. THE INSTALLING CONTRACTORS LICENSED ELECTRICAL SUBCONTRACTOR SHALL COORDINATE ELECTRICAL PANEL LOCATIONS AND AVAILABLE SPACE DEDICATED FOR THE CONTRACTOR'S SYSTEM REQUIREMENTS (TYPICAL). PROJECTS ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POWER TO MAIN CONTROL PANELS AND ALL HEAD END EQUIPMENT. SYSTEM INSTALLERS SHALL COORDINATE LOCATION AND CONNECTION OF CONTROL PANEL AND HEAD END POWER WITH THE PROJECTS ELECTRICAL CONTRACTOR.

AUDIO & VIDEO GENERAL NOTES

- 1. ALL 120V POWER REQUIRED FOR THE FUNCTIONALITY OF EACH SYSTEM SHALL BE A DEDICATED CIRCUIT AND ON EMERGENCY POWER WHEN AVAILABLE. THE INSTALLING CONTRACTOR OF EACH SYSTEM SHALL BE RESPONSIBLE FOR PROVIDING THEIR OWN 120V POWER REQUIREMENTS FOR ALL REMOTE POWER SUPPLIES. THE INSTALLING CONTRACTORS LICENSED ELECTRICAL SUBCONTRACTOR SHALL COORDINATE ELECTRICAL PANEL LOCATIONS AND AVAILABLE SPACE DEDICATED FOR THE CONTRACTOR'S SYSTEM REQUIREMENTS (TYPICAL). PROJECTS ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POWER TO MAIN CONTROL PANELS AND ALL HEAD END EQUIPMENT. SYSTEM INSTALLERS SHALL COORDINATE LOCATION AND CONNECTION OF CONTROL PANEL AND HEAD END POWER WITH THE PROJECTS ELECTRICAL CONTRACTOR.

INTERCOM SYSTEM'S GENERAL NOTES

- 1. ALL 120V POWER REQUIRED FOR THE FUNCTIONALITY OF EACH SYSTEM SHALL BE A DEDICATED CIRCUIT AND ON EMERGENCY POWER WHEN AVAILABLE. THE INSTALLING CONTRACTOR OF EACH SYSTEM SHALL BE RESPONSIBLE FOR PROVIDING THEIR OWN 120V POWER REQUIREMENTS FOR ALL REMOTE POWER SUPPLIES. THE INSTALLING CONTRACTORS LICENSED ELECTRICAL SUBCONTRACTOR SHALL COORDINATE ELECTRICAL PANEL LOCATIONS AND AVAILABLE SPACE DEDICATED FOR THE CONTRACTOR'S SYSTEM REQUIREMENTS (TYPICAL). PROJECTS ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POWER TO MAIN CONTROL PANELS AND ALL HEAD END EQUIPMENT. SYSTEM INSTALLERS SHALL COORDINATE LOCATION AND CONNECTION OF CONTROL PANEL AND HEAD END POWER WITH THE PROJECTS ELECTRICAL CONTRACTOR.

TECHNOLOGY SCOPE OF WORK

- 1. PROVIDE COMPLETE TECHNOLOGY SYSTEMS EQUIPMENT WITH INSTALLATION AS REQUIRED FOR A COMPLETE WORKING SYSTEM PER DESIGN DRAWINGS AND SPECIFICATIONS FOR COMMUNICATIONS ROOM 109, AND OTHER SPACES REQUIRED TECHNOLOGY CONNECTIONS IN FBO BUILDING AND SITE PER THE DESIGN DRAWINGS.

TECHNOLOGY SYMBOL LIST

Table with columns: SYMBOL, DESCRIPTION, NOTE. Includes symbols for WAP, information outlet, public address speaker, underground pull boxes, conduits, and fire rated pathway sleeve system.

GENERAL NOTES:

- 1. ALL SYMBOLS LISTED ABOVE ARE FOR REFERENCE ONLY. REFER TO PLANS AND LINE TYPE KEY FOR NEW, EXISTING TO REMAIN AND TO BE REMOVED ITEMS FOR ADDITIONAL INFORMATION. REFER TO GENERAL TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR FULL DETAILS.

TECHNOLOGY SYMBOL LIST NOTES:

- 1. "F" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION. SYMBOL SUBSCRIPT INDICATES DEVICE TYPE.

DRAWING INDEX

Table with columns: SHEET, DESCRIPTION. Lists sheets T0.00 through T6.01 and their corresponding descriptions.

TECHNOLOGY ABBREVIATION KEY

Table with columns: ABBR, DESCRIPTION. Lists abbreviations for floor types, conduit, construction manager, electrical contractor, etc.

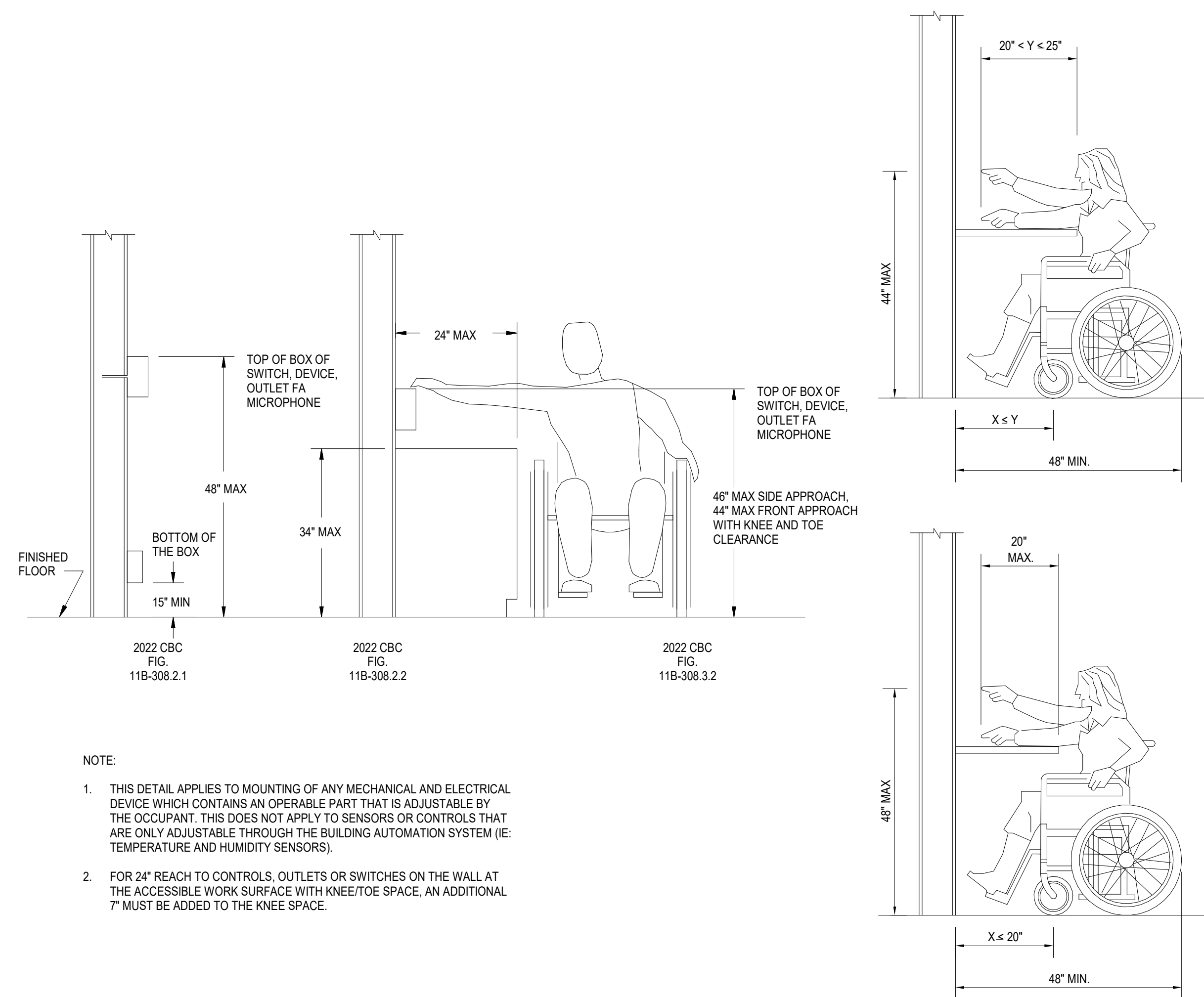
APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2022. 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR. 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR.

PARTIAL LIST OF APPLICABLE STANDARDS. NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED) 2016 EDITION. NFPA 720 STANDARD FOR THE INSTALLATION OF CARBON MONOXIDE DETECTION AND WARNING EQUIPMENT.

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2022 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.

SEE CALIFORNIA BUILDING CODE, CHAPTER 35, FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.



- NOTE: 1. THIS DETAIL APPLIES TO MOUNTING OF ANY MECHANICAL AND ELECTRICAL DEVICE WHICH CONTAINS AN OPERABLE PART THAT IS ADJUSTABLE BY THE OCCUPANT. THIS DOES NOT APPLY TO SENSORS OR CONTROLS THAT ARE ONLY ADJUSTABLE THROUGH THE BUILDING AUTOMATION SYSTEM (IE: TEMPERATURE AND HUMIDITY SENSORS).

Not for permitting or construction



ARCHITECT: ANAHEIM, CA 92806. PBK Architects, Inc. CONSULTANT: LEAF Engineers. 8163 Rochester Avenue, Suite 100, Rancho Cucamonga, CA 91730.

BARBARA BENSON ELEMENTARY SCHOOL. PROJECT ADDRESS: 12712 Elizabeth Way, Tustin, CA 92780. PROJECT NUMBER: DSA-APPL NO. XXXX. DSA FILE NO. XXXX.

Consultant: Tustin Unified School District. Includes logo and north arrow.

Architect: State of California. Includes seal and registration information.

CLIENT: TUSD. DATE: xxxxx. PROJECT NUMBER: 230379.

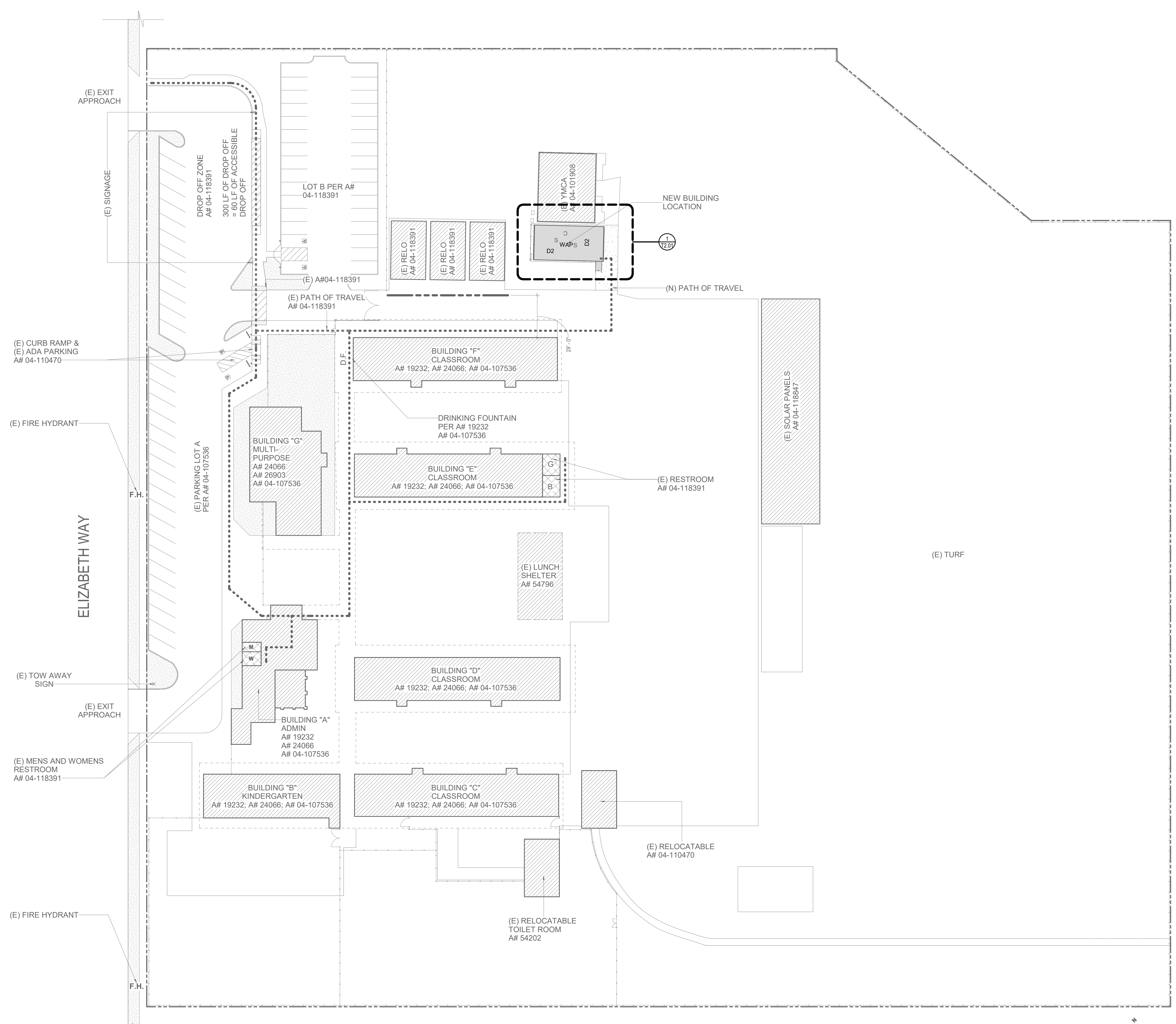
Table with columns: No., Description, Date. For tracking revisions.

TECHNOLOGY COVER SHEET

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GENERAL NOTES

1. ALL COILED CABLING SHALL BE REINSTALLED, TESTED AND TERMINATED TO DEVICES.
2. NEW FIBER SHALL BE EXTENDED FROM EXISTING IDF TO THE NEW RELOCATED PORTABLE IDF CABINET.



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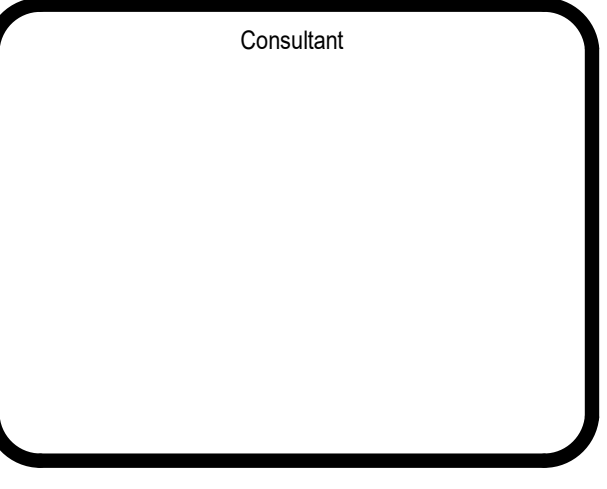
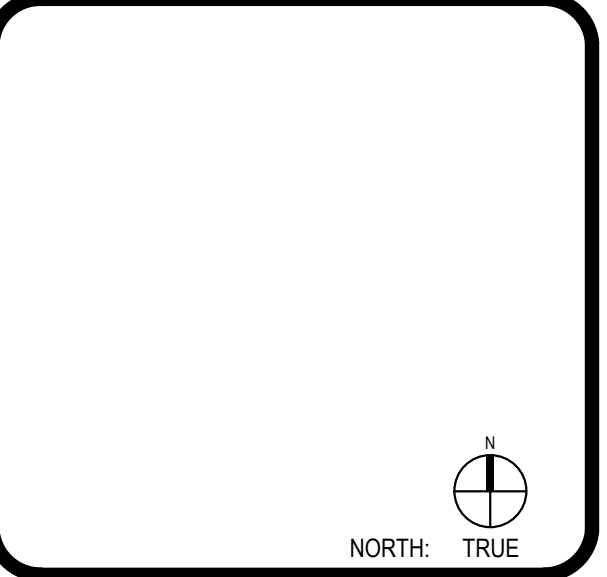
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DSA APPL. NO.: XXXX DSA FILE NO.: XXXX



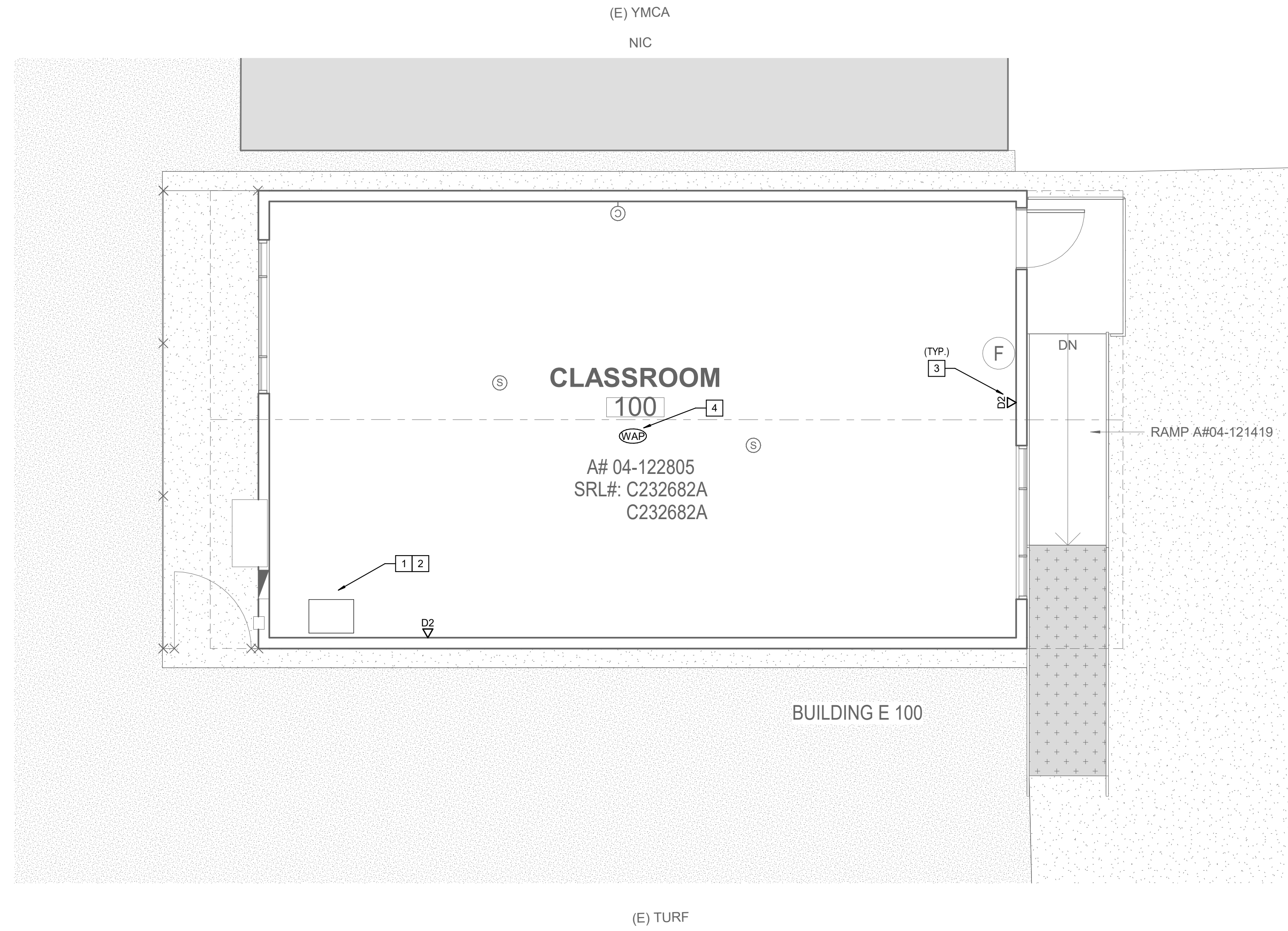
SITE PLAN LEGEND

- (E) BUILDING, NOT IN SCOPE
- SCOPE OF WORK
- (N) RELOCATABLE BLDGS

CLIENT		TUSD	
DATE		PROJECT NUMBER	
xxxx		230379	
REVISIONS			
No.	Description	Date	

TECHNOLOGY SITE PLAN

T1.01



GENERAL NOTES

1. ALL COILED CABLING SHALL BE INSTALLED, TESTED AND TERMINATED TO DEVICES.
2. FOR ALL CABLING TO USE J-HOOKS ROUTING TO DESTINATIONS.
3. TECHNOLOGY EQUIPMENT SHALL BE MOUNTED TO ALLOW ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT.
4. FOR TECHNOLOGY RISERS SEE SHEET T5.01 FOR MORE INFORMATION
5. FOR TECHNOLOGY DETAILS SEE SHEET T6.01 FOR MOUNTING INFORMATION

KEY NOTES

1. APPROXIMATE LOCATION OF IDF CABINET.
2. CONNECT NEW 125M FIBER FROM EXISTING IDF TO NEW PORTABLE IDF CABINET.
3. WALL MOUNTED DATA OUTLET. PROVIDE AND INSTALL OUTLET IN A SS BACKBOX WITH A SINGLE-GANG PLASTER RING. INSTALL A (1) 1" EMT CONDUIT FROM BACKBOX UP TO ACCESSIBLE CEILING SPACE WITH CAT6A CABLES. THEN RUN CAT6A CABLES IN ACCESSIBLE CEILING SPACE USING J-HOOKS TO THE IDF CABINET SERVING THIS AREA. PROVIDE 4-PORT FACEPLATES AND RJ45 JACKS FOR DATA AND VOICE. PROVIDE REMOVABLE BLANK INSERTS FOR UNUSED PORTS. PROVIDE ALL TERMINATION FOR A COMPLETE WORKING SYSTEM.
4. WIRELESS ACCESS POINT, CEILING MOUNT, "OFC". PROVIDE DATA OUTLET FOR WIRELESS ACCESS POINT. (2) CAT6A CABLES, 2-PORT FLENUM RATED SURFACE MOUNT BOX ABOVE ACCESSIBLE CEILING AS INDICATED ON DRAWINGS. USE J-HOOKS TO SUPPORT NEW CABLING ABOVE ACCESSIBLE CEILING SPACE. FOR INACCESSIBLE CEILING SPACES NEW CONDUITS SHALL BE PROVIDED ABOVE CEILING TO THE IDF CABINET SERVING THIS AREA. PROVIDE 10' SLACK CABLE COILS ABOVE CEILING AT OUTLET LOCATION FOR FUTURE RELOCATION.

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ARCHITECT ANAHEIM PBK Architects, Inc.
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CONSULTANT LEAF ENGINEERS



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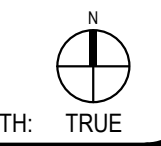
BARBARA BENSON ELEMENTARY SCHOOL

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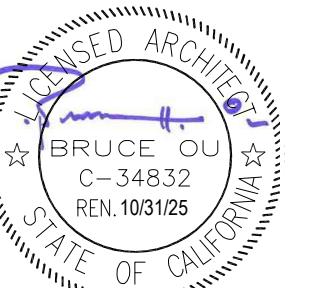
Tustin Unified School District



NORTH TRUE

Consultant

Architect



CLIENT TUSD

DATE xxxxx PROJECT NUMBER 230379

REVISIONS

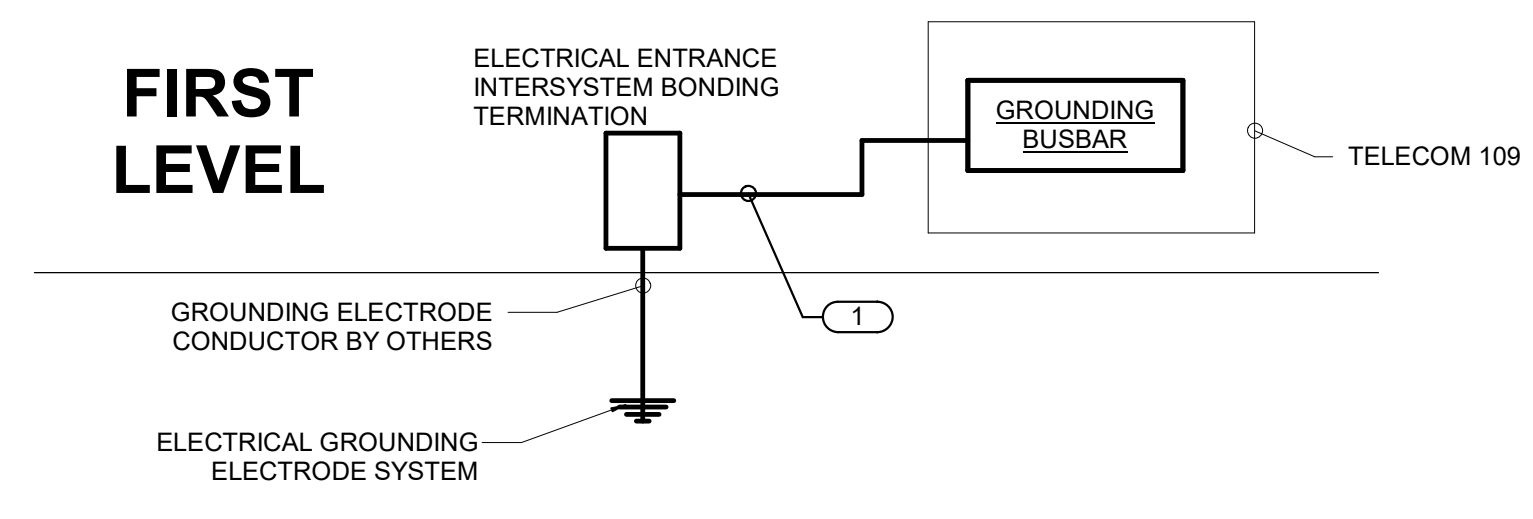
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TECHNOLOGY ENLARGED SITE PLAN

T2.01

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NOTES:

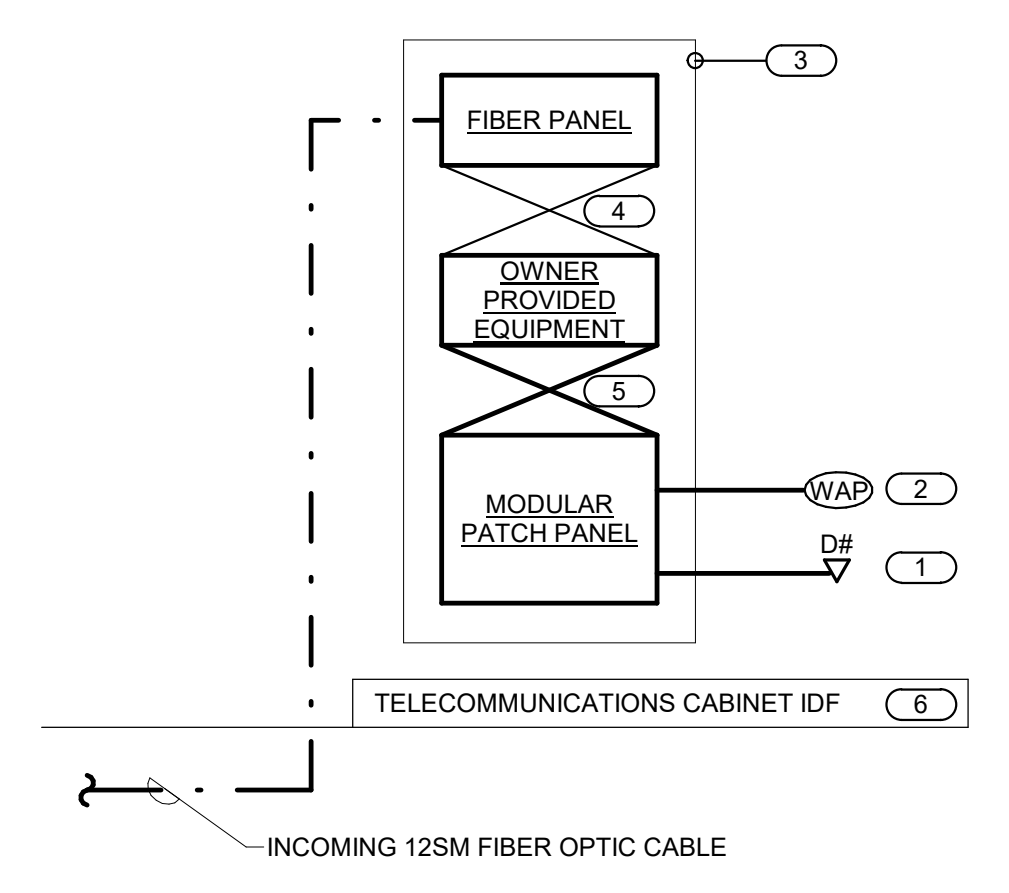
- THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CONDUCTOR TYPE. ALL CONNECTIONS AND SYSTEM DEVICES SHOWN ARE TYPICAL AND NOT REPRESENTATIVE OF ACTUAL PROJECT QUANTITIES. REFER TO FLOOR PLANS AND ENLARGED FLOOR PLANS FOR ACTUAL QUANTITIES AND LOCATIONS OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- ALL CONDUCTORS IN THE TECHNOLOGY BONDING SYSTEM SHALL BE MINIMUM SIZE OF 30 AWG PLENUM RATED COPPER (GREEN OR MARKED WITH A DISTINCTIVE GREEN COLOR) UNLESS CONDUCTOR LENGTH IS LESS THAN 66 FEET. REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING CRITERIA FOR CONDUCTORS LESS THAN 66 FEET IN LENGTH. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- ALL BONDING CONDUCTORS AND BONDING JUMPERS SHALL BE CONNECTED BY COMPRESSION LUGS, EXOTHERMIC WELDING, OR IRREVERSIBLE COMPRESSION CONNECTORS. SOLDER IS NOT AN ACCEPTABLE MEANS OF CONNECTION. SHEET METAL SCREWS SHALL NOT BE USED TO CONNECT COMMUNICATIONS BONDING CONDUCTORS TO EQUIPMENT. WHERE NECESSARY, REMOVE PAINT AND/OR USE PAINT-PIERCING WASHERS TO PROVIDE PROPER ELECTRICAL BOND AT ALL CONNECTIONS.
- REFER TO [5/TS.00] FOR TYPICAL TELECOM ROOM BONDING FLOW DIAGRAM.

KEYNOTES:

- BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT). BCT SHALL BE THE SAME SIZE AS THE TBB OR LARGER. REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING REQUIREMENTS.

BONDING CONDUCTOR SIZING SCHEDULE	
CONDUCTOR LENGTH IN FEET	MINIMUM ACCEPTABLE SIZE - AWG
LESS THAN 13'	6
14' - 20'	4
21' - 26'	3
27' - 33'	2
34' - 41'	1
42' - 52'	1/0
53' - 66'	2/0
GREATER THAN 66'	3/0

1 TECHNOLOGY BONDING RISER DIAGRAM
12" = 1'-0"



NOTES:

- THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- REFER TO FLOOR PLANS FOR QUANTITY OF CABLES AND JACKS TO BE INSTALLED AT EACH INFORMATION OUTLET.

KEYNOTES:

- D# INDICATES VOICE/DATA FACEPLATE CONFIGURATION. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION.
- (WAP) WIRELESS ACCESS POINT. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION.
- RACK OR CABINET AS DEFINED ON THE TELECOM ROOM LAYOUT. REFER TO THE TELECOM ROOM REFERENCES MATRIX ON THE COVERPAGE FOR LOCATION.
- OPTICAL FIBER PATCH CABLES.
- RJ-45 TO RJ-45 CATEGORY 6A UTP PATCH CORDS. REFER TO SPECIFICATIONS FOR PATCH CORD REQUIREMENTS.
- REFER TO COVERPAGE AND FLOOR PLANS FOR TELECOMMUNICATIONS ROOM LOCATIONS.

2 FIBER OPTIC AND COPPER RISER DIAGRAM
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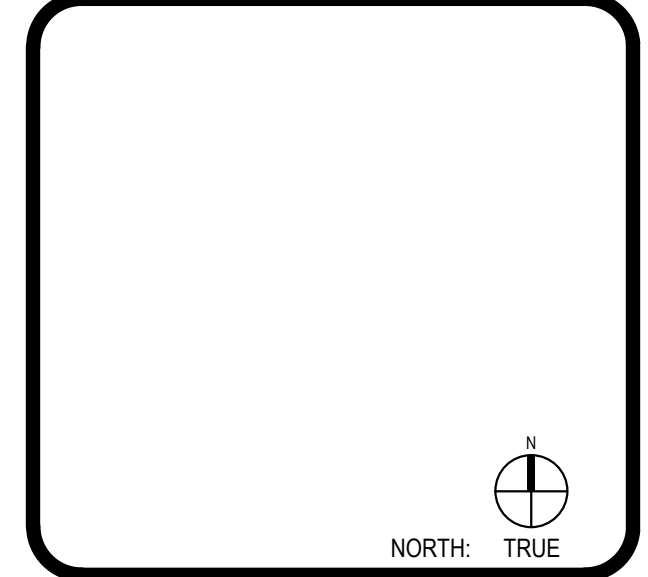
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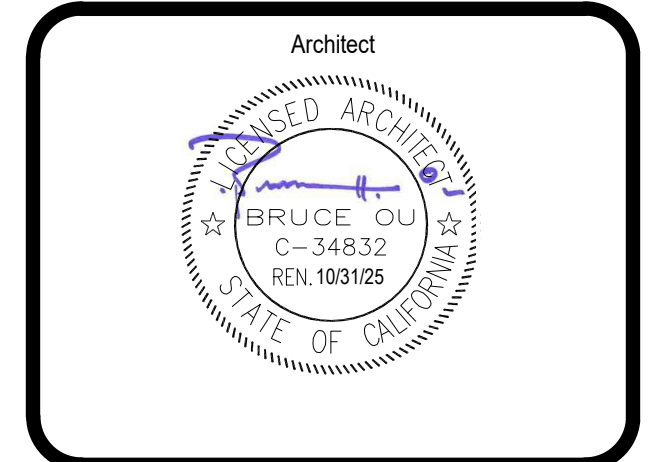
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Consultant

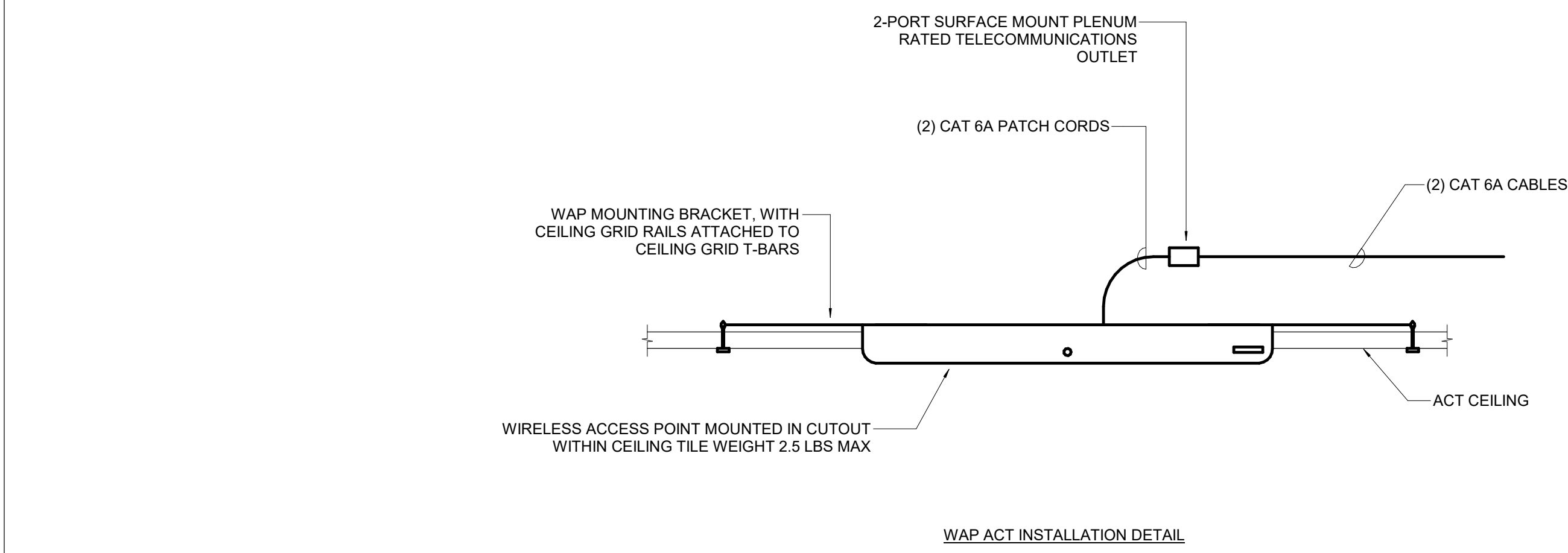


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**TECHNOLOGY RISER
DIAGRAM AND
SCHEDULES**

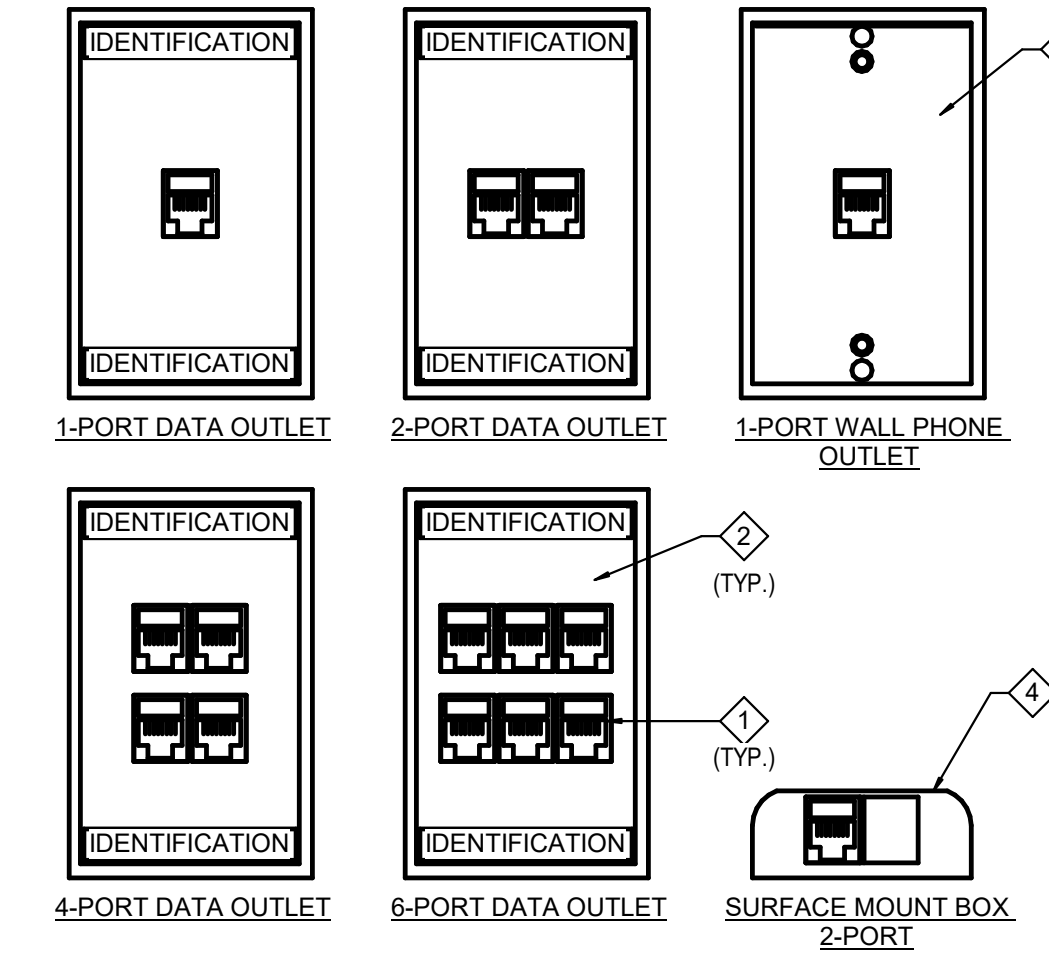
T5.01

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NOTES:

- WHERE SUPPORTS ATTACH TO METAL ROOF DECKING, EXCLUDING CONCRETE ON METAL DECKING, DO NOT EXCEED 25 LBS. PER HANGER AND A MINIMUM SPACING OF 2'-0" ON CENTER. THIS 25 LB. LOAD AND 2'-0" SPACING INCLUDE ELECTRICAL AND MECHANICAL ITEMS HANGING FROM DECK. IF THE HANGER RESTRICTIONS CANNOT BE ACHIEVED, THE ADDITION OF SUPPLEMENTAL FRAMING OFF STEEL FRAMING WILL BE REQUIRED.



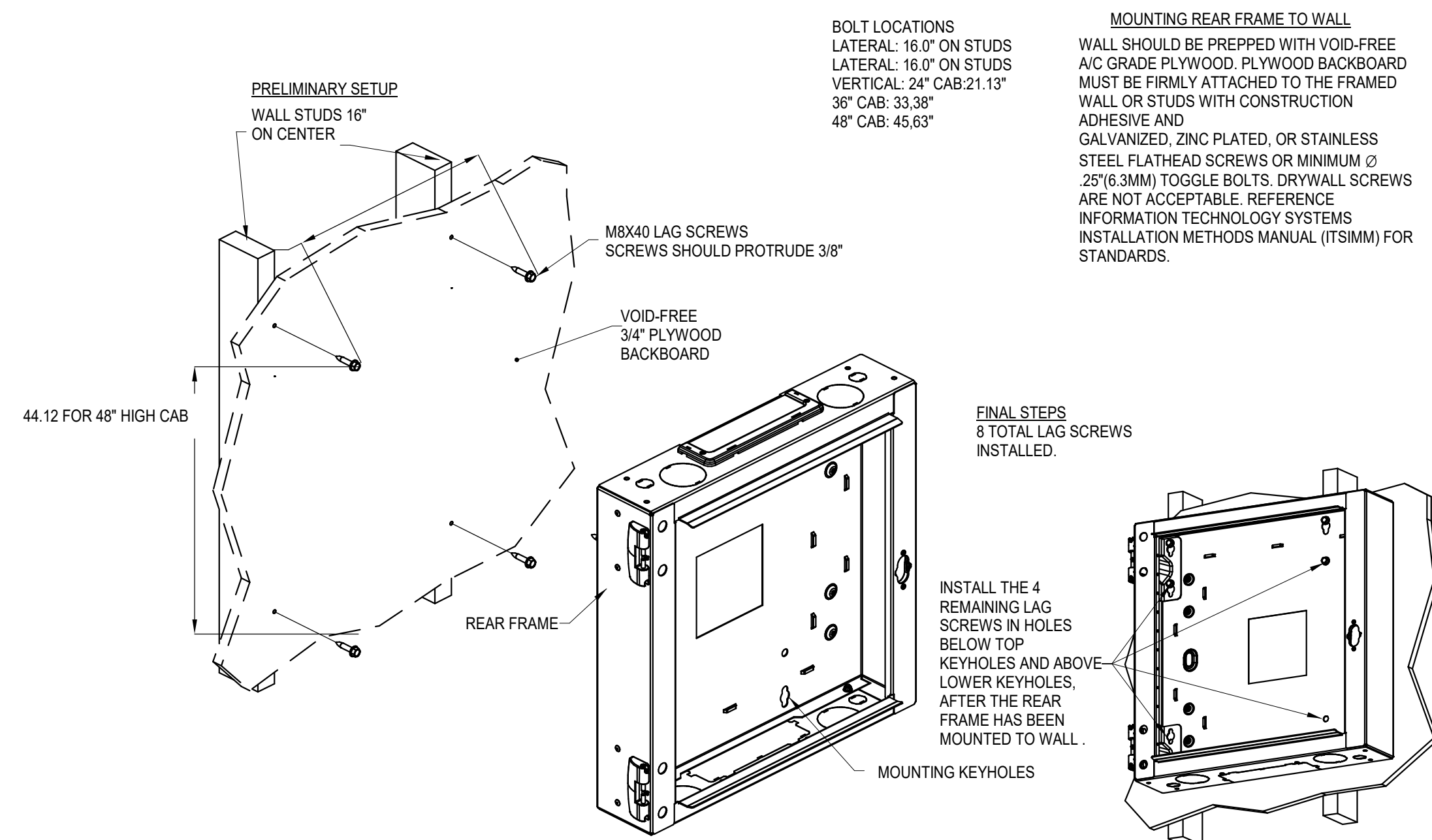
NOTES:

- REFER TO SPECIFICATION SECTION 27 15 00 - HORIZONTAL CABLING REQUIREMENTS FOR CATEGORY CABLE PERFORMANCE REQUIREMENTS.
- REFER TO SPECIFICATION SECTION 27 05 53 - IDENTIFICATION FOR DATA OUTLET PORT IDENTIFICATION.
- DATA OUTLET SHALL BE INSTALL IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. REFER TO DETAIL 1/TS.01 TECHNOLOGY ROUGH-IN MOUNTING DETAILS FOR CONDUIT SIZE.
- PROVIDE REMOVABLE BLANK INSERTS FOR UNUSED PORTS.
- USE T568B WIRING SCHEME TO TERMINATE THE TWISTED-PAIR CABLE ONTO THE CONNECTOR INTERFACE.
- WHERE APPLIES PER PLANS, PROVIDE AV OUTLET WITH HDMI CONNECTION PER BELOW.
 - PANDUIT COVER PLATE: CBEWY OR APPROVED EQUAL.
 - PANDUIT JACK: (HDMI 2.0) CMHDMW OR APPROVED EQUAL.
 - PANDUIT MODULAR INSERT: CHF2W-X OR APPROVED EQUAL.

KEYNOTE NOTES:

- PROVIDE CAT6 RJ-45 JACKS, 8-POSITION, 8-CONTACT (8P8C), COLOR BLUE FOR DATA, WHITE FOR VOICE, RED FOR SECURITY.
 - PANDUIT PRODUCTS "CJ688TGBU", COMMSCOPE "MGS400-318" OR APPROVED EQUAL.
- PROVIDE 1,2,4,6-PORT FACEPLATE AS INDICATED ON DRAWINGS.
 - 1-PORT: PANDUIT PRODUCTS "CFPE1WHY", COMMSCOPE OR APPROVED EQUAL.
 - 2-PORT: PANDUIT PRODUCTS "CFPE2WHY", COMMSCOPE OR APPROVED EQUAL.
 - 4-PORT: PANDUIT PRODUCTS "CFPE4WHY", COMMSCOPE OR APPROVED EQUAL.
 - 6-PORT: PANDUIT PRODUCTS "CFPE6WHY", COMMSCOPE OR APPROVED EQUAL.
- PROVIDE STAINLESS STEEL 1-PORT FACEPLATE FOR OUTLETS INDICATED WITH "W" ON DRAWINGS. "W" INDICATES WALL PHONE MOUNTED AT 48" AFF FOR WALL HUNG PHONE.
 - 1-PORT: WALL PHONE "W" PANDUIT PRODUCTS "KWIP6PY", COMMSCOPE OR APPROVED EQUAL.
- PROVIDE SURFACE MOUNT BOX, PLENUM RATED, MOUNTED ABOVE CEILING FOR CONNECTIONS TO WIRELESS ACCESS POINTS.
 - 2-PORT: PANDUIT PRODUCTS "CBX2WH-AY", COMMSCOPE OR APPROVED EQUAL.

3 CEILING SPEAKER MOUNTING
12" x 1'-0"



NOTES:

- THE REAR FRAME MUST BE SECURED TO WALL USING ALL 8 LAG SCREWS PROVIDED. THE SCREWS ARE INTENDED TO GO THROUGH 3/4" PLYWOOD BACK-BOARD AND THEN INTO WOOD WALL STUDS FOR MASONRY SURFACE. THE INSTALLER MUST PROVIDE APPROPRIATE HARDWARE.

STEP 1: INSURE THAT THE WALL OR MOUNTING SURFACE HAS SUFFICIENT STRENGTH TO SUPPORT THE CABINET AND THE EXPECTED CABINET PAYLOAD. THE MOUNTING SURFACE MUST ALSO BE FLAT AND EXTEND BEYOND THE TOP, BOTTOM, LEFT, AND RIGHT EDGES OF THE REAR PANEL.

STEP 2: DRILL 5/32" PILOT HOLES FOR THE FOUR M8X40mm LAG SCREWS TO THE DIMENSIONS SHOWN ON THE DRAWING. THE SCREWS SHOULD GO DIRECTLY INTO THE WALL STUDS.

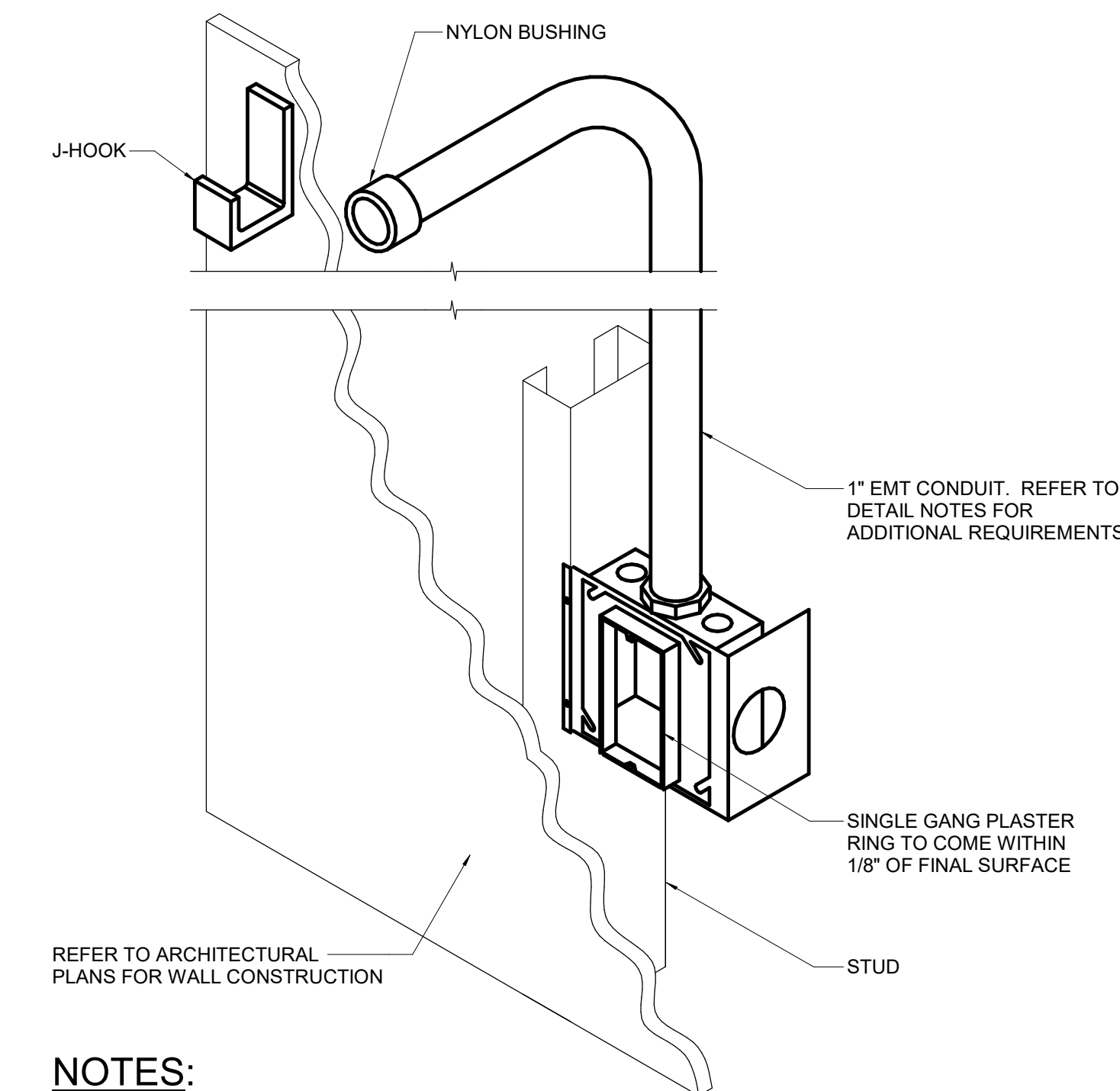
STEP 3: INSTALL THE LAG SCREWS INTO THE HOLES. THE SCREW HEAD SHOULD PROTRUDE ABOUT 3/8" FROM THE WALL.

STEP 4: MOUNT THE REAR FRAME TO THE WALL BY HOOKING THE UPPER AND LOWER KEYHOLES OVER THE SCREWS. TIGHTEN THE SCREWS SECURELY.

STEP 5: INSTALL THE REMAINING 4 LAG SCREWS IN THE HOLES BELOW THE TOP TWO KEYHOLES, AND ABOVE LOWER KEYHOLES.

4 WALL CABINET MOUNTING DETAILS
12" x 1'-0"

1 DATA OUTLETS CONFIGURATION DETAIL
12" x 1'-0"



NOTES:

- 1" EMT CONDUIT SHALL STUB UP TO NEAREST ACCESSIBLE CEILING AND TERMINATE ORIENTED HORIZONTALLY AT THE HEIGHT OF THE ASSOCIATED CABLE TRAY OR J-HOOK ROUTE. CONDUIT RUN SHALL NOT CONTAIN MORE THAN 180 DEGREES OF BEND BETWEEN ACCESSIBLE JUNCTION BOXES OR BETWEEN JUNCTION BOX AND END OF CONDUIT.
- WHERE CONDUIT STUB IS LOCATED IN A ROOM WITH AN ACCESSIBLE CEILING AND IS NOT REQUIRED TO RUN TO CABLE ROUTE LOCATED OUTSIDE THE ROOM, STUB MUST TERMINATE ABOVE THE ACCESSIBLE CEILING WITH A 90-DEGREE BEND AT THE TOP ORIENTED IN TO THE ROOM AT THE HEIGHT OF THE ASSOCIATED CABLE TRAY OR J-HOOK ROUTE IN THE ROOM.
- ALL STUBS MUST BE FITTED WITH A NYLON BUSHING ON EACH END OF THE CONDUIT.
- INSTALLING CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOP MATERIALS FOR TECHNOLOGY ROUGH-INS PER PROJECT REQUIREMENTS. REFER TO SPECIFICATIONS FOR FIRESTOP REQUIREMENTS.

2 TECHNOLOGY ROUGH-IN MOUNTING
N.T.S.



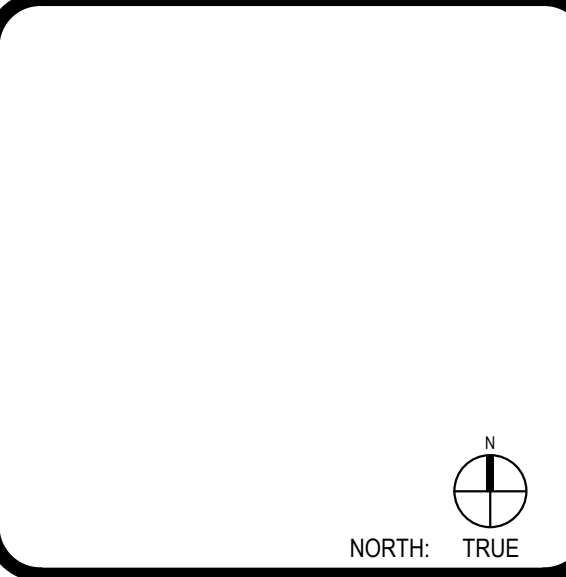
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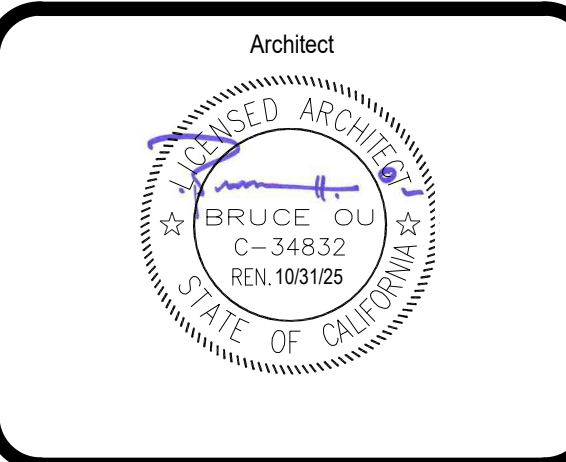
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TECHNOLOGY DETAILS

DEVICE SCHEDULE

Table with columns: SYMBOL, DESCRIPTION, MODEL, MANUFACTURER, BACKBOX, MOUNTING HEIGHT, C.S.F.M. NUMBER. Includes items like EXISTING FIRE ALARM VOICE EVAC CONTROL PANEL, NEW FIRE ALARM POWER SUPPLY, ADDRESSABLE AREA SMOKE DETECTOR, etc.

LEGENDS

Table with columns: ABBREVIATION, DESCRIPTION, ABBREVIATION, DESCRIPTION. Lists symbols for electrical components like AMPERES, ABOVE FINISHED FLOOR, INTERRUPTING CAPACITY, etc.

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES: 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR 2022 CALIFORNIA REFERENCED STANDARDS CODE (CALGREEN), PART 12, TITLE 24 CCR TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

DRAWING INDEX

Table with columns: SHEET, DESCRIPTION. Lists sheets like FA0.00 FIRE ALARM SYMBOLS, LEGENDS & GENERAL NOTES, FA0.01 FIRE ALARM SPECIFICATION, etc.

ANCHORAGE AND BRACING NOTES

ALL WORK SHALL BE IN CONFORMANCE WITH TITLE 24, 2022 CALIFORNIA CODE OF REGULATIONS (CCR), CALIFORNIA BUILDING CODE, PART 2, TITLE 24 CCR, 2022 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 CCR CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE NEW OR EXISTING STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED IN THE DRAWINGS OR ACCEPTED BY THE ARCHITECT AND STRUCTURAL ENGINEER WITH THE APPROVAL OF DSA REPRESENTATIVE.

GENERAL NOTES

- 1. APPLICABLE STANDARD 2022 NFPA 72, AS ADOPTED AND AMENDED IN CBC CHAPTER 35
2. INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAS BEEN APPROVED BY DSA.
3. UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR.

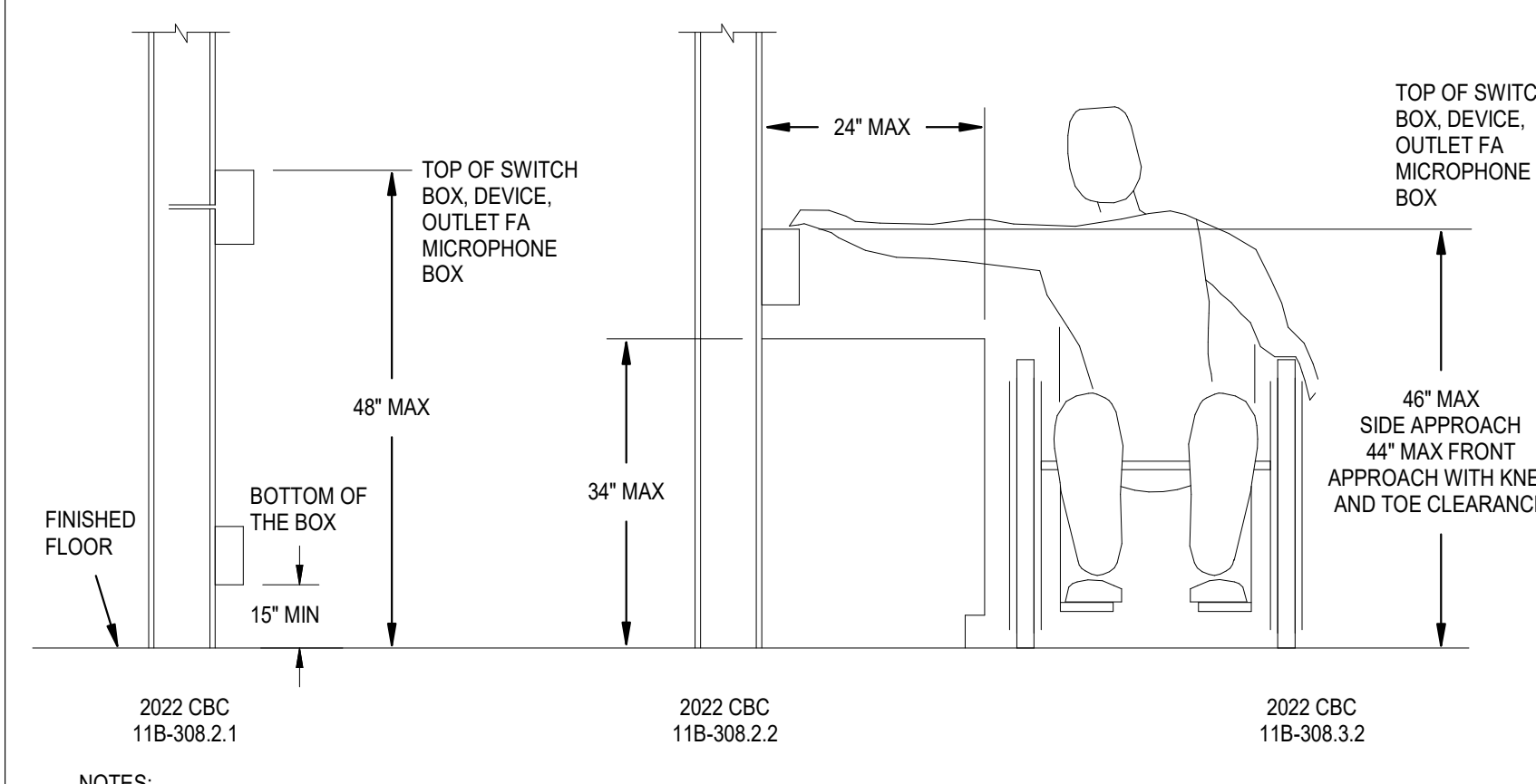
FIRE WATCH NOTE

A FIRE WATCH SHALL BE ESTABLISHED AND THE FIRE DEPARTMENT & FIRE CODE OFFICIAL SHALL BE NOTIFIED IMMEDIATELY WHENEVER THE FIRE PROTECTION / ALARM SYSTEM IS RENDERED OUT OF SERVICE. A FIRE WATCH SHALL BE STAGED WHENEVER THE BUILDING IS OCCUPIED (PARTIAL OR WHOLE) PER DSA IR F-2 AND CFC 901.7.

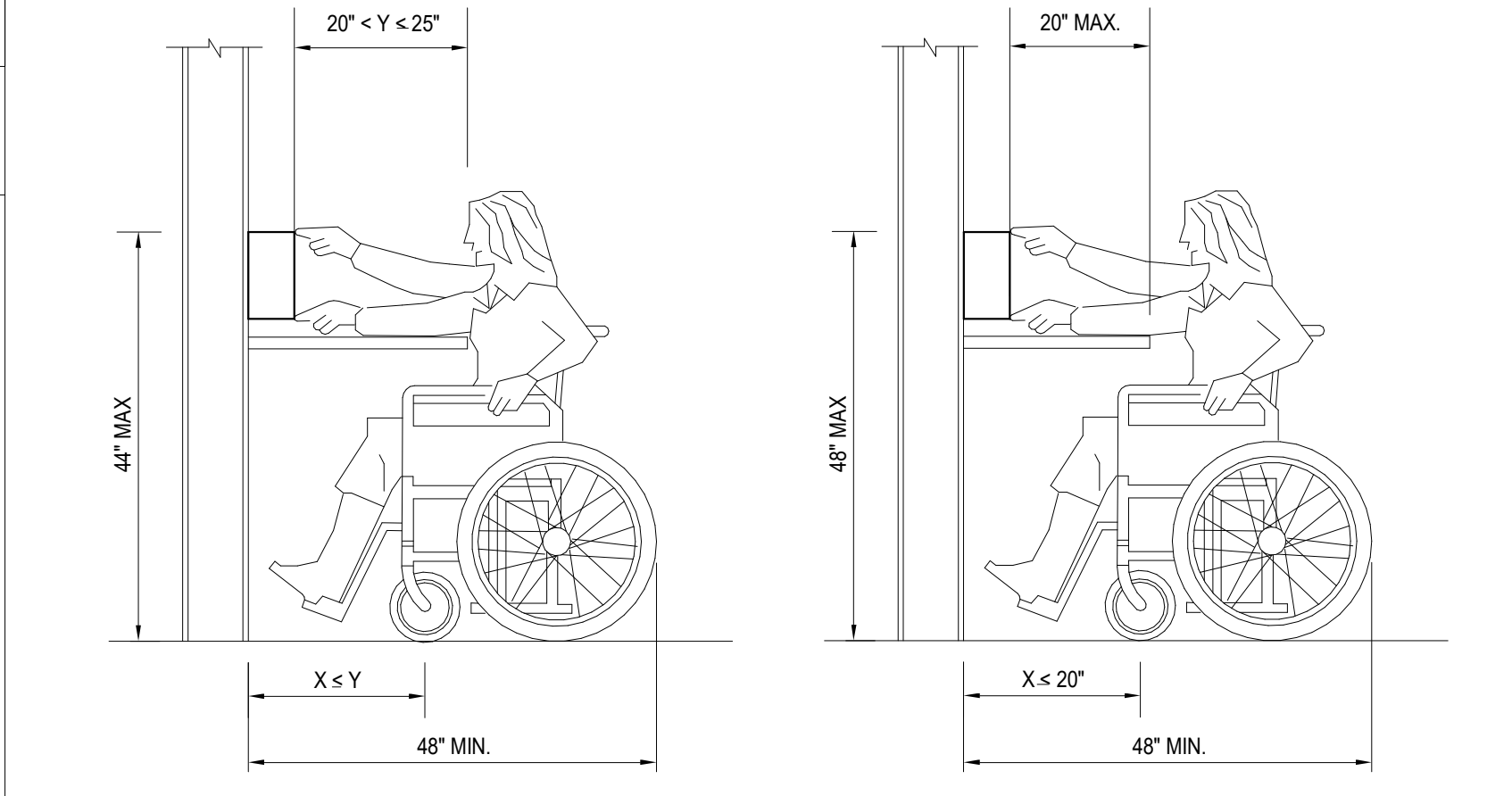
SCOPE OF WORK

PROVIDE COMPLETE FULL AUTOMATIC ADDRESSABLE FIRE ALARM SYSTEM WITHIN THE AREA OF WORK. PROVIDE FIRE ALARM SYSTEM DEVICES AS SHOWN IN EQUIPMENT LEGEND, FLOOR PLANS, AND SPECIFICATIONS IN THIS CONSTRUCTION DOCUMENT SET. USE EXISTING FIRE ALARM CONTROL PANEL TO CONNECT NEW FIRE ALARM SYSTEM DEVICES SHOWN PER DRAWINGS AND SPECIFICATION DOCUMENT. UPON COMPLETION, A COMPLETE FIRE TEST SHALL BE PERFORMED TO VERIFY FUNCTIONALITY. IF FUNCTIONALITY IS COMPLETE THEN THE PROPER DOCUMENTATION SHALL BE SUBMITTED TO THE AUTHORITY HAVING JURISDICTION PRIOR TO SCHEDULING A FINAL INSPECTION.

MOUNTING OVER OBSTRUCTION DETAIL



- 1. THIS DETAIL APPLIES TO MOUNTING OF ANY MECHANICAL AND ELECTRICAL DEVICE WHICH CONTAINS AN OPERABLE PART THAT IS ADJUSTABLE BY THE OCCUPANT. THIS DOES NOT APPLY TO SENSORS OR CONTROLS THAT ARE ONLY ADJUSTABLE THROUGH THE BUILDING AUTOMATION SYSTEM (IE: TEMPERATURE AND HUMIDITY SENSORS).
2. FORWARD OR FRONT APPROACH FOR DEVICES MOUNTED ABOVE COUNTERS ASSUMES THAT DIRECTLY BELOW THE DEVICE, THE COUNTER HAS A 30" MIN. WIDTH x 27" HIGH x 19" MIN. DEEP CLEAR OPENING. CBC SECTIONS 11B-306 & 11B-308.



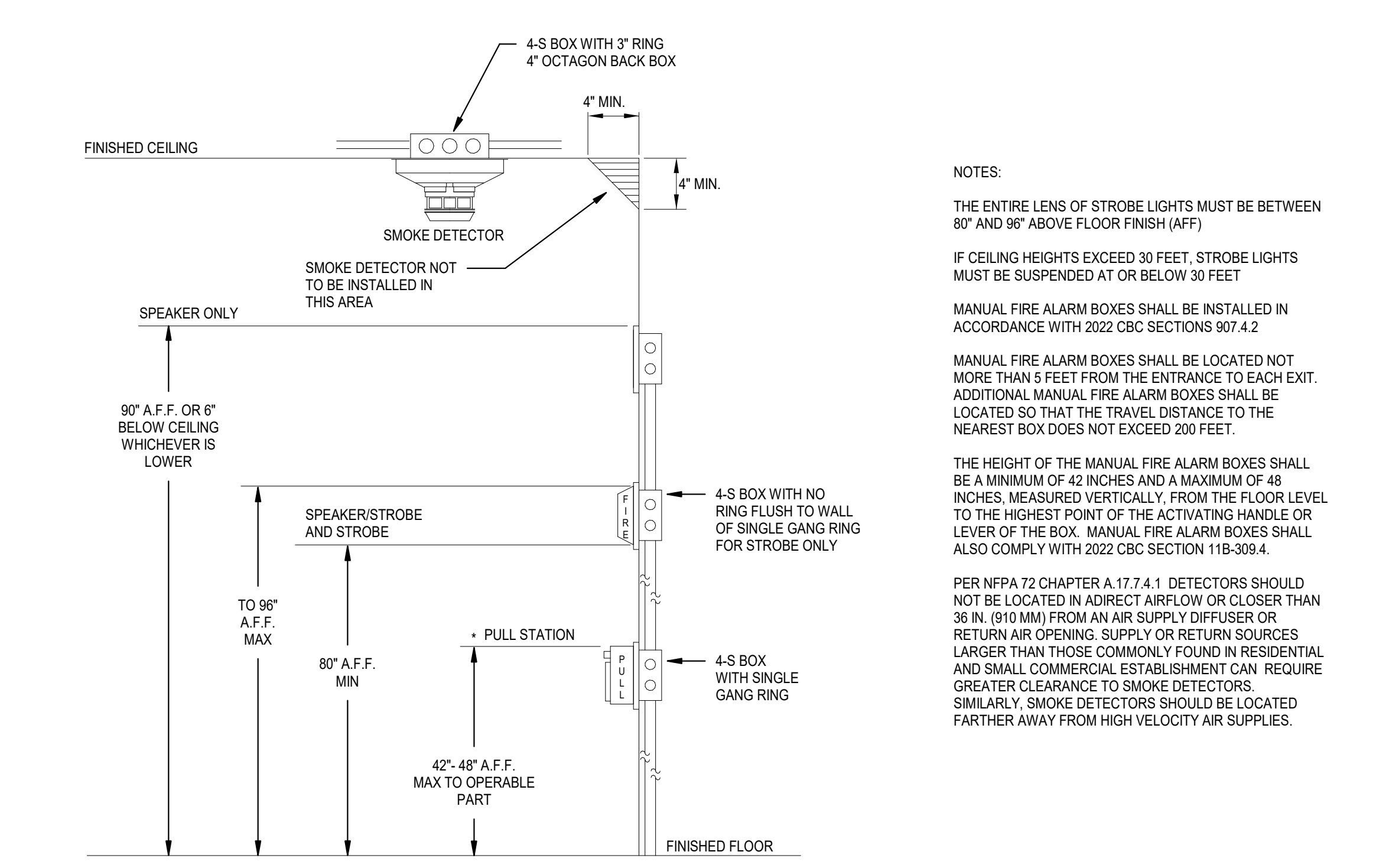
WIRE SCHEDULE

Table with columns: WIRE DESIGNATION, WIRE IN CONDUIT, WIRE IN CONDUIT UNDERGROUND/WET LOC., UNDERGROUND/WET WIRE DESIGNATION. Lists various wire types like INIT LOOP Z, SBUS B, VBUS C, SPEAKER CKT S, VISUAL CKT V, POWER CKT P.

FIRE ALARM REQUIREMENTS

THE CONTRACTOR SHALL PROVIDE AND SUBMIT THE FIRE ALARM SHOP DRAWINGS TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION OF THE FIRE ALARM SYSTEM. THE SUBMITTAL SHALL CONTAIN THE FOLLOWING:
A. SHOP DRAWINGS: COMPLETE 1/8" SCALE FLOOR PLANS SHOWING ALL DEVICES, COMPONENTS, CONDUIT AND WIRING INDICATING A COMPLETE AND OPERABLE SYSTEM AS DESIGNED AND SPECIFIED. REPRODUCED COPIES OF BID SET FIRE ALARM PLANS ARE NOT ACCEPTABLE AS SHOP DRAWINGS. SHOP DRAWINGS MUST ALSO INDICATE DEVICE MOUNTING HEIGHTS, ROOM NAMES AND NUMBERS AND THE LOCATION OF ALL FIRE RATED WALLS.
B. ELECTRICAL CONTRACTORS AND FIRE ALARM SYSTEM INSTALLERS NAME, ADDRESS, PHONE NUMBER AND C-10 LICENSE NUMBER.
C. LIST OF SYSTEM COMPONENTS, EQUIPMENT AND DEVICES, INCLUDING MANUFACTURERS' MODEL NUMBER(S) AND CALIFORNIA STATE FIRE MARSHAL LISTING NUMBER(S).
D. ORIGINAL COPIES OF MANUFACTURERS' SPECIFICATION SHEETS FOR ALL EQUIPMENT AND DEVICES INDICATED.
E. VOLTAGE DROP CALCULATIONS - INCLUDE THE FOLLOWING INFORMATION FOR THE WORST CASE:
1. POINT-TO-POINT OR OHMS LAW CALCULATIONS
2. IDENTIFICATION OF ZONE(S) USED IN CALCULATION
3. VOLTAGE DROP PERCENT (NOT TO EXCEED MANUFACTURERS' REQUIREMENTS).
a. NOTE: IF VOLTAGE DROP EXCEEDS 10%, INDICATE MANUFACTURERS' LISTED OPERATING RANGE(S) OR EQUIPMENT AND DEVICES.
4. NOTE CIRCUIT NUMBER FOR WORST CASE CALCULATION.
F. BATTERY TYPE(S), AMPHOURS AND LOAD CALCULATIONS - INCLUDE THE FOLLOWING INFORMATION:
1. NORMAL OPERATION: 100% OF APPLICABLE DEVICES FOR 24 HOURS - CONTROL PANEL AMPS PLUS LIST OF AMPS PER DEVICE WHICH DRAW POWER FROM THE PANEL DURING STANDBY POWER - I.E.,
a. ZONE MODULES
b. DETECTORS
c. OTHER DEVICES (IDENTIFY)
2. ALARM CONDITION: 100% OF APPLICABLE DEVICES FOR 15 MINUTES - CONTROL PANEL AMPS PLUS LIST OF AMPS PER DEVICE WHICH DRAW POWER FROM THE PANEL DURING STANDBY POWER - I.E.,
a. ZONE MODULES
b. SIGNAL MODULES
c. DETECTORS
d. SIGNAL DEVICES
e. ANNUNCIATOR
f. OTHER DEVICES (IDENTIFY)
3. NORMAL OPERATION + ALARM OPERATION
a. TOTAL AMP HOURS REQUIRED.
b. TOTAL AMP HOURS PROVIDED.

ELEVATION MOUNTING DETAIL



SEQUENCE OF OPERATIONS

Table with columns: DEVICE, AREA SMOKE/BEAM DETECTOR, HEAT DETECTOR, 120VAC POWER FAILURE, SHORT CIRCUIT, GROUND FAULT, BATTERY FAILURE. Rows include ACTION, SOUND TROUBLE BUZZER AT "FACP", ANNUNCIATING AT "FACP" AND REMOTE ANNUNCIATOR (ALARM OR TROUBLE), ACTIVATE AUDIBLE / VISUAL ALARM SIGNAL THROUGHOUT BUILDING, ACTIVATE SIGNAL FOR OFF-SITE MONITORING, MUTE AUTONOMOUS LOCAL SOUND SYSTEM.

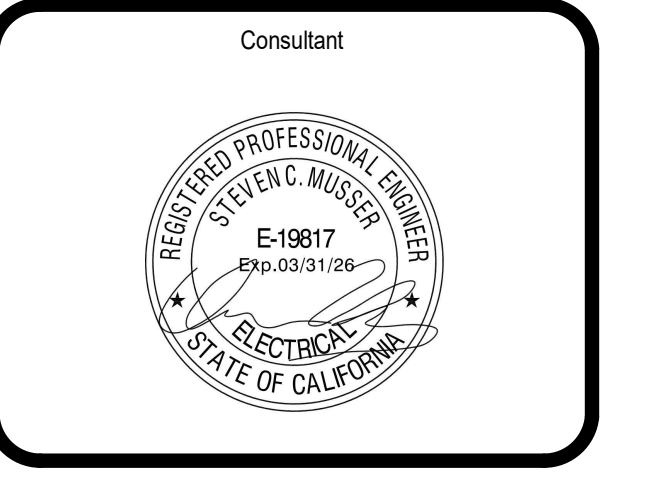
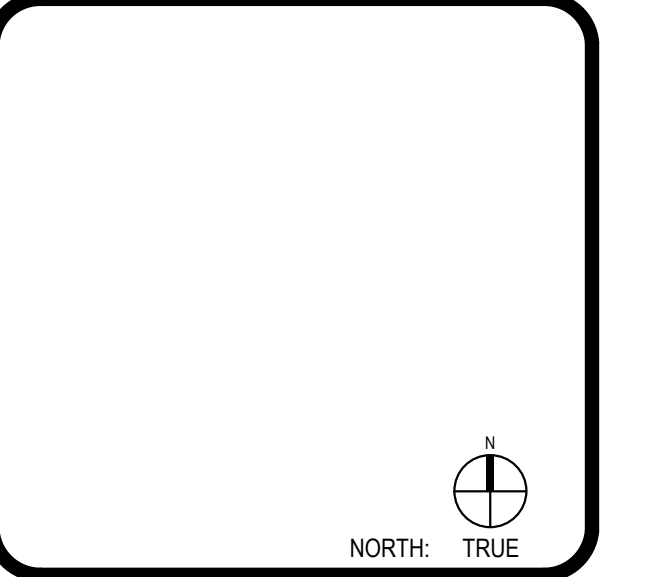


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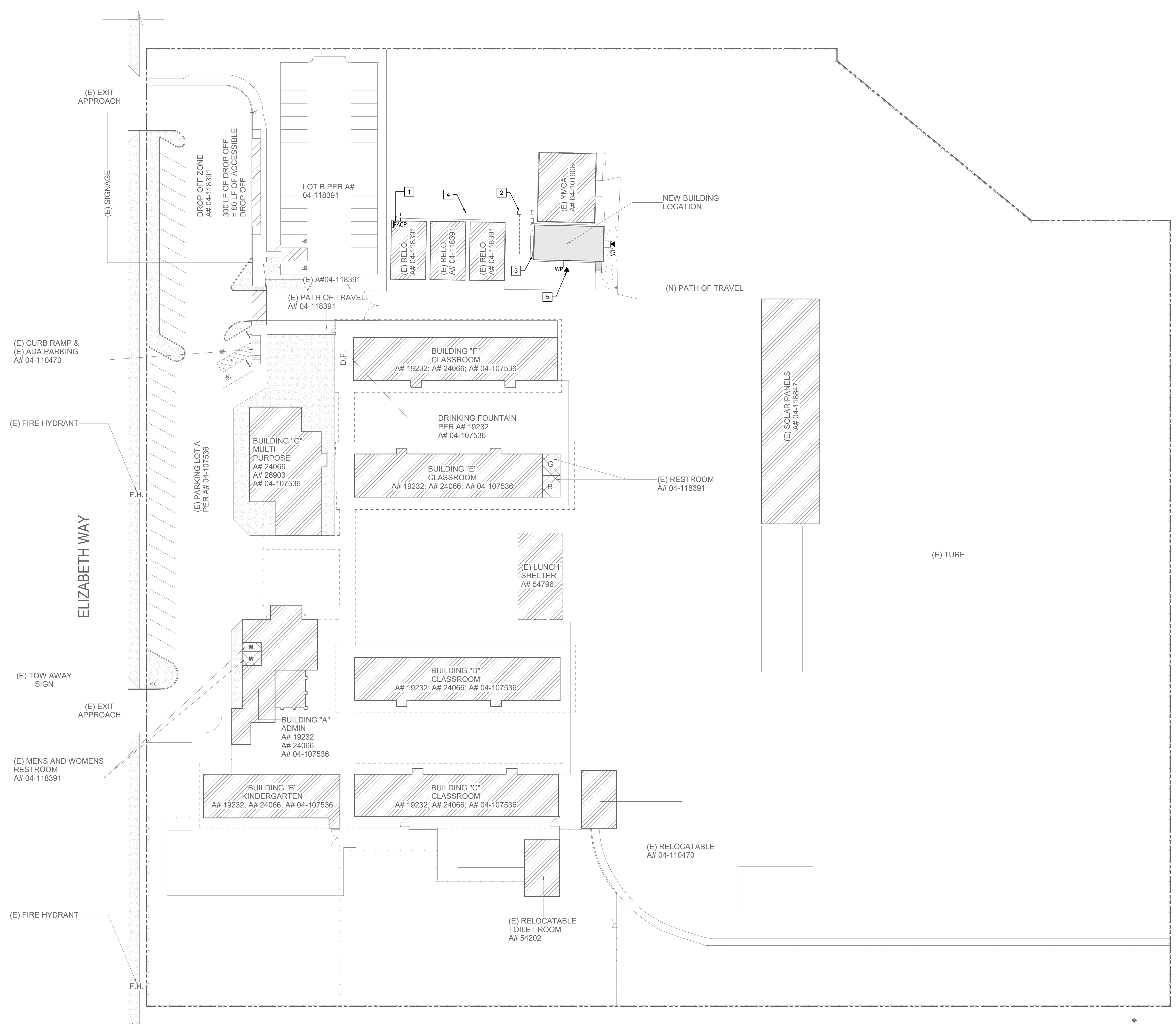
CLIENT TUSD PROJECT NUMBER 230379

Table with columns: No., Description, Date. Lists revisions.

FIRE ALARM SYMBOLS, LEGENDS & GENERAL NOTES

KEY NOTES

- 1 EXISTING FIRE ALARM CONTROL PANEL (A#04-105703). CONTRACTOR TO FIELD VERIFY THE EXACT LOCATION.
- 2 PROVIDE NEW CONCRETE UNDERGROUND PULL BOXES AS 11" X 11" X 18" DEEP ON A 6" DEEP GRAVEL BASE AS SHOWN (TYPICAL).
- 3 PROVIDE NEMA 3R WEATHERPROOF PULLBOX 18"X18"X6" FOR FIRE-ALARM (TYPICAL).
- 4 PROVIDE NEW (1) 2" UNDERGROUND CONDUIT (PVC, SCHEDULE 40, 24" BELOW GRADE), FOR FIRE ALARM CABLE AS INDICATED, SAWCUT AND TRENCH EXISTING ASPHALT AND BACK FILL TO MATCH EXISTING SURFACES.
- 5 PROVIDE FIRE ALARM WEATHERPROOF SPEAKER DEVICE AS SHOWN (TYP).



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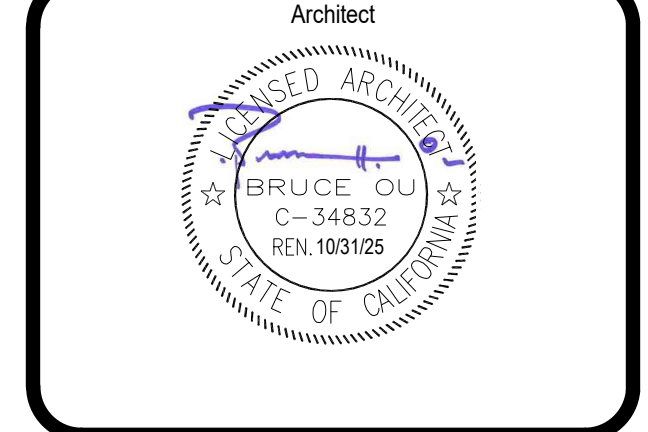
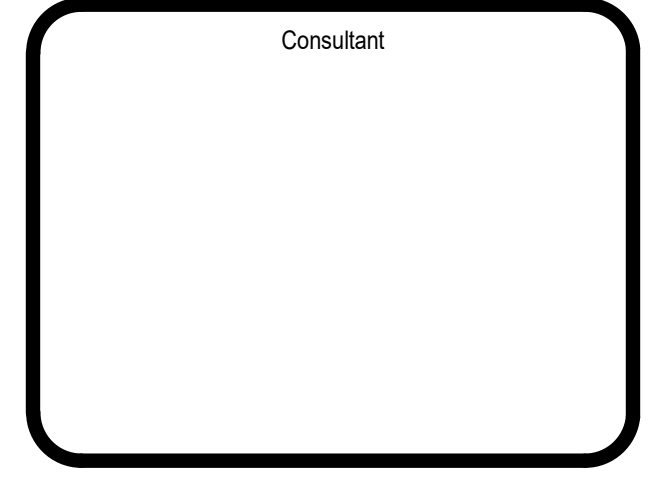
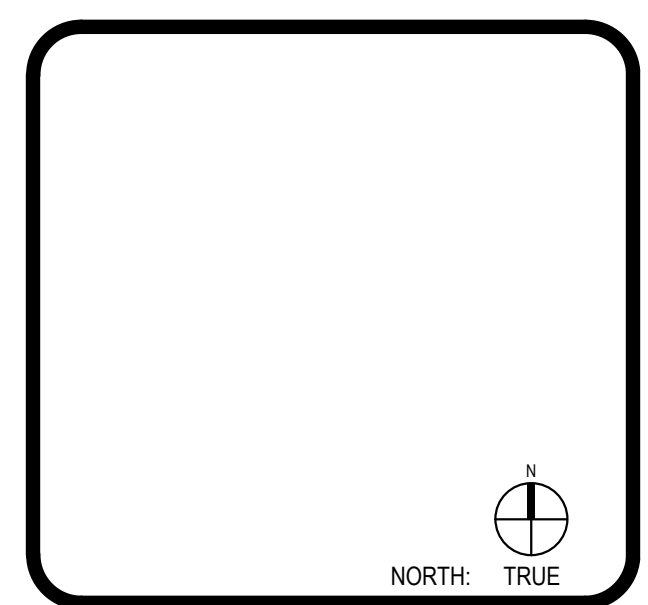
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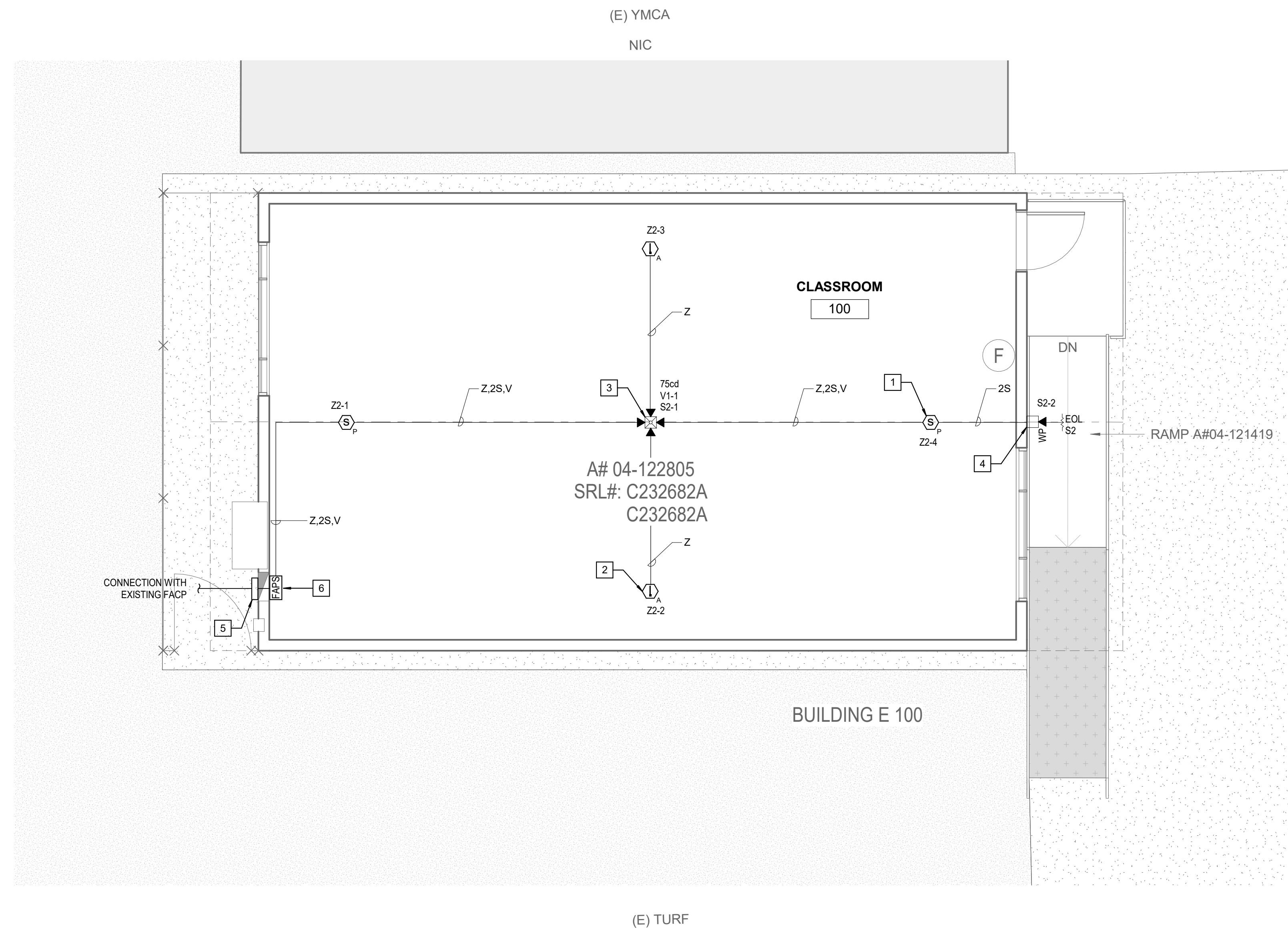
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CLIENT		TUSD
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No.	Description	Date

FIRE ALARM SITE PLAN

This document is for plan review only



KEY NOTES

- 1 PROVIDE FIRE ALARM ADDRESSABLE SMOKE DETECTOR AS SHOWN (TYP).
- 2 PROVIDE FIRE ALARM ADDRESSABLE ATTIC HEAT DETECTOR AS SHOWN (TYP).
- 3 PROVIDE FIRE ALARM CEILING MOUNTED SPEAKER STROBE AS SHOWN (TYP).
- 4 PROVIDE FIRE ALARM WALL MOUNTED WEATHERPROOF SPEAKER DEVICE AS SHOWN (TYP).
- 5 PROVIDE NEMA 3R WEATHERPROOF PULLBOX 18"x18"x8" FOR FIRE-ALARM.
- 6 PROVIDE NEW FIRE ALARM POWER SUPPLY PANEL AS SHOWN.

GENERAL NOTES

- 1. ALL SPEAKER TAP SETTING SHALL BE SET AT 12 WATT FOR INTERIOR SPEAKER AND 2 WATT FOR EXTERIOR SPEAKERS UNLESS NOTED OTHERWISE (U.N.O.)
- 2. RUN FIRE ALARM CABLES IN CONDUIT CONCEALED IN WALLS AND CEILING WHEN POSSIBLE. EXPOSED CONDUITS ARE NOT ACCEPTABLE.
- 3. SMOKE ALARMS AND SMOKE DETECTORS SHALL NOT BE INSTALLED WITHIN 36 IN. (910 MM) HORIZONTAL PATH FROM THE SUPPLY REGISTERS OF A FORCED AIR HEATING OR COOLING SYSTEM AND SHALL BE INSTALLED OUTSIDE OF THE DIRECT AIRFLOW FROM THOSE REGISTERS PER CBC 907.2.11.8.
- 4. FOR ALL HEAT DETECTORS THAT ARE LOCATED ABOVE CEILING/ATTIC SPACES, CONTRACTOR SHALL PROVIDE STICKER AND LABEL "HOT" AT THE REFLECTED CEILING DIRECTLY BELOW THE DEVICE TO INDICATE LOCATION.
- 5. ELECTRICAL CONTRACTOR SHALL FURNISH ACCESS PANELS TO AREAS THAT REQUIRE ACCESS FOR ATTIC HEAT DETECTOR, SERVICING, TROUBLESHOOTING, ETC (IF REQUIRED).
- 6. PER 2022 CSC SECTION 1209.2 - AN ATTIC ACCESS OPENING NOT LESS THAN 20 INCHES BY 30 INCHES SHALL BE PROVIDED TO ANY ATTIC AREA HAVING A CLEAR HEIGHT OF OVER 30 INCHES.

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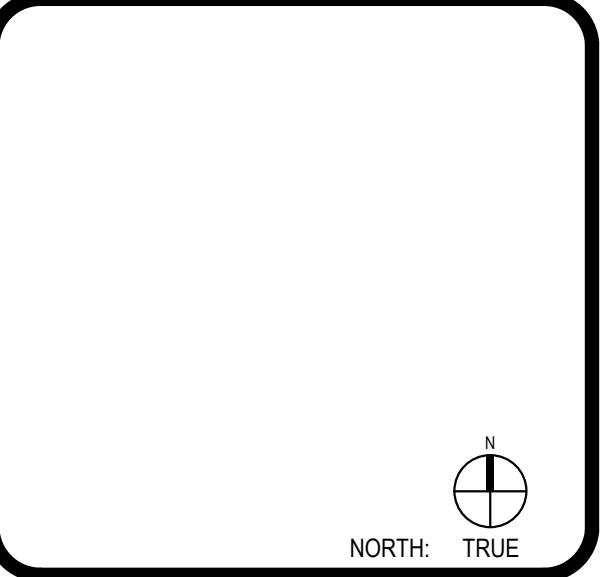
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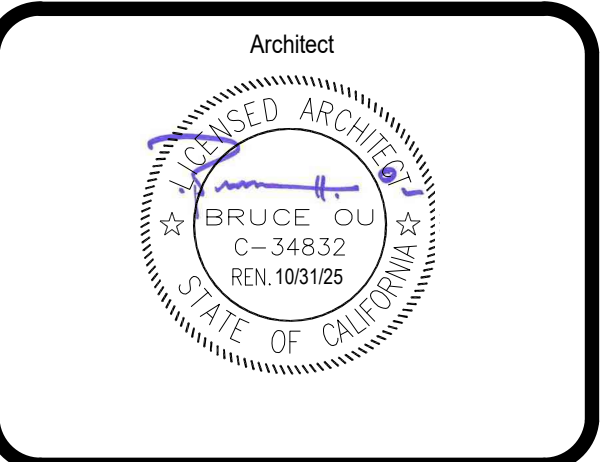
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FIRE ALARM ENLARGED SITE PLAN

FA1.02

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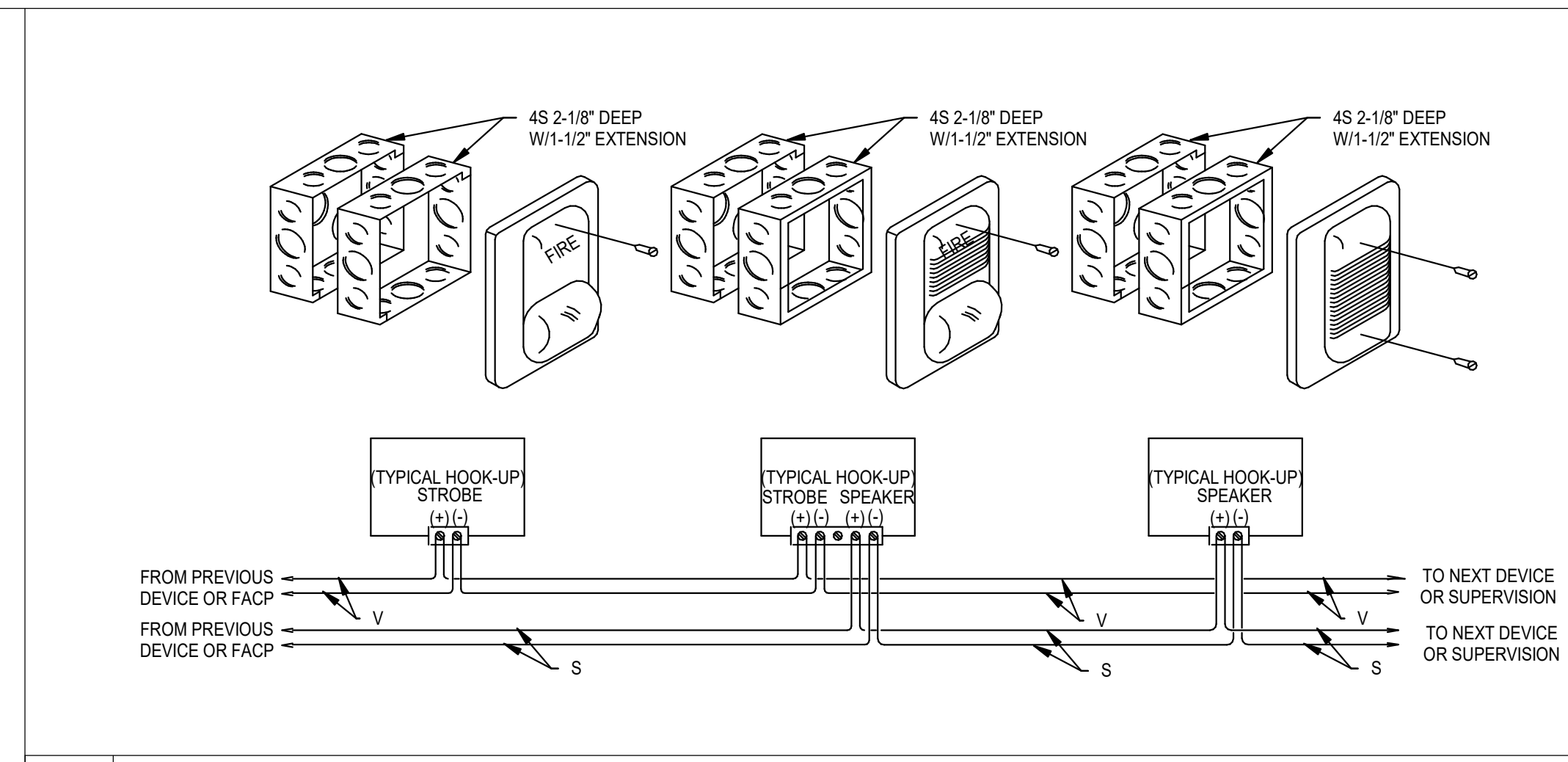
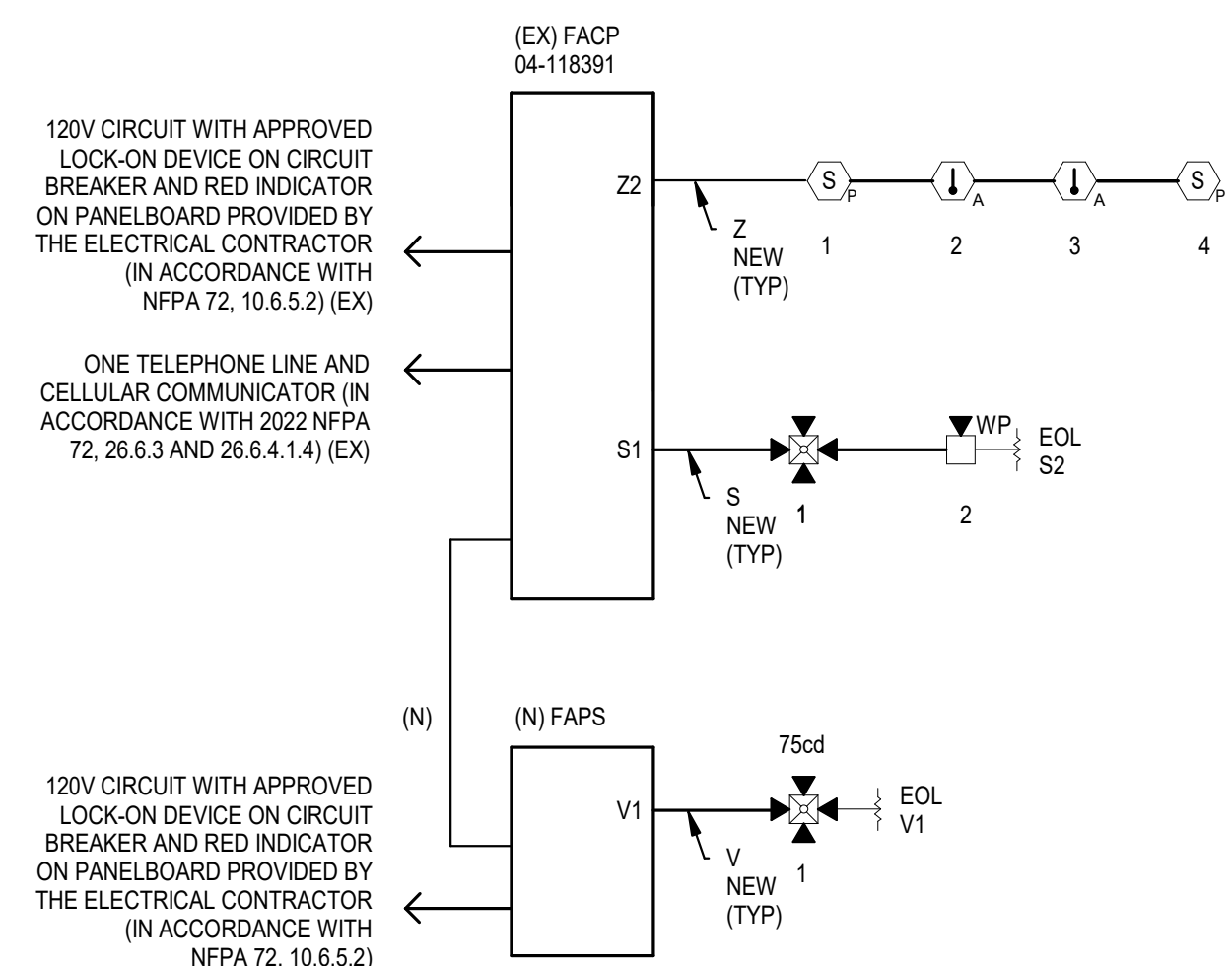
FACP BATTERY CALCULATION SHEET				
FACP (N) (AH 04-118391)				
QUANTITY	DESCRIPTION	UNIT STANDBY CURRENT(A)	TOTAL STANDBY CURRENT(A)	UNIT ALARM CURRENT(A)
1	CONTROLS	0.0860	0.0860	2.2060
1	ANNUNCIATOR	0.0120	0.0120	0.0230
2	SMOKE DETECTOR	0.0002	0.0004	0.0020
2	HEAT DETECTOR	0.0002	0.0004	0.0020
SUB TOTAL			0.099	2.237
STANDBY CURRENT x 24 Hrs. (AH)		2.371 AH		
ALARM CURRENT x 15 MINUTES (AH)		0.559 AH		
TOTAL (AH)		2.930 AH		
25% DERATING		0.732 AH		
TOTAL DEMAND (AH)		3.662 AH		
BATTERY POWER REQUIRED		36 AH		

BATTERY CAPACITY CALCULATION SHEET				
FAPS (N)				
QUANTITY	DESCRIPTION	UNIT Standby Current(A)	Total Standby Current(A)	Unit Alarm Current(A)
1	NAC TRIP	0.075	0.075	0.175
1	75cd ceiling speaker/strobe	0.000	0.000	0.142
Sub Total			0.075	0.317
A - Battery Backup - Standby (Hour)		24		
B - Battery Backup (minutes)		15		
C - Allowable Error (%)		25		
D - Total Standby Backup (Amp-Hour)		1.800		
E - Total Alarm Backup (Amp-Hour)		0.079		
F - Allowable Error (C x (D + E))		0.470		
Total Amp-Hour Required (D + E + F)		2.349		
Battery Submitted		7 Amp-Hour (NEW)		

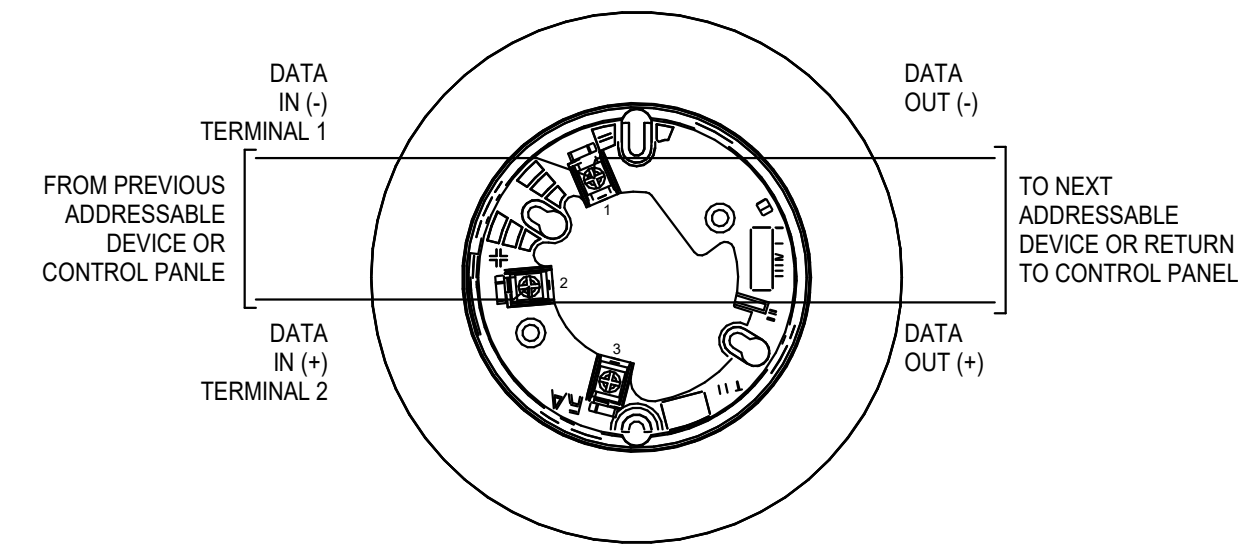
SPEAKER CIRCUIT LOAD CALCULATION														
AMPLIFIER#	CIRCUIT LOCATION	PANEL CIRCUIT NUMBER	WIRE GAUGE (18, 16, 14, 12)	CIRCUIT VOLTAGE (25 OR 70 VRMS)	APPLIANCES QUANTITIES / TAP VALUES				TOTAL CIRCUIT LOAD (WATT)	ESTIMATED CIRCUIT LENGTH (FEET)	MFG. REC. MAXIMUM LOSS IS: 0.5dB			
					SPEAKER TAPPED AT	SPEAKER TAPPED AT	SPEAKER TAPPED AT	SPEAKER TAPPED AT			ACTUAL WIRE LOSS (dB)	MAXIMUM ALLOWABLE CKE LENGTH (FEET)	TOTAL CIRCUIT RESISTANCE (OHMS)	
FACP	PORTABLE BUILDING	S1	14 AWG	70	0.25 WATTS	0.5 WATTS	1 WATTS	2 WATTS	1	2.50	500	-0.01	21,000	2.58
TOTAL										2.50				

STROBES WORST CASE VOLTAGE DROP								
PANEL NAME	CIRCUIT NUMBER	CEILING SPEAKER/STROBE				TOTAL CURRENT (AMPS)	TOTAL DISTANCE (FEET)	TOTAL VOLTAGE DROP (%)
		15cd	30cd	75cd	95cd			
FAPS (N)	V1			1		0.142	40	0.08%
	V2					0.000		0.00%
	V3					0.000		0.00%
	V4					0.000		0.00%
TOTAL		0	0	1	0			

4 FIRE ALARM VOLTAGE DROP AND BATTERY CALCULATIONS
NOT TO SCALE



2 SPEAKER/STROBE DETAIL
NOT TO SCALE



1 SMOKE/HEAT DETECTOR DETAIL
NOT TO SCALE

3 FIRE ALARM RISER DIAGRAM
NOT TO SCALE

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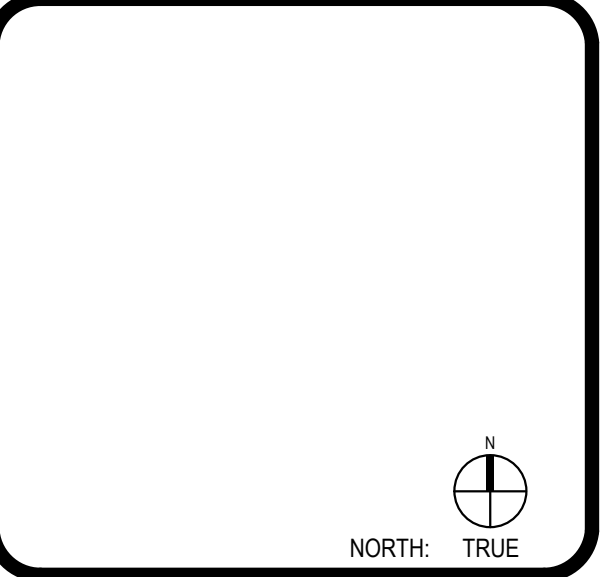
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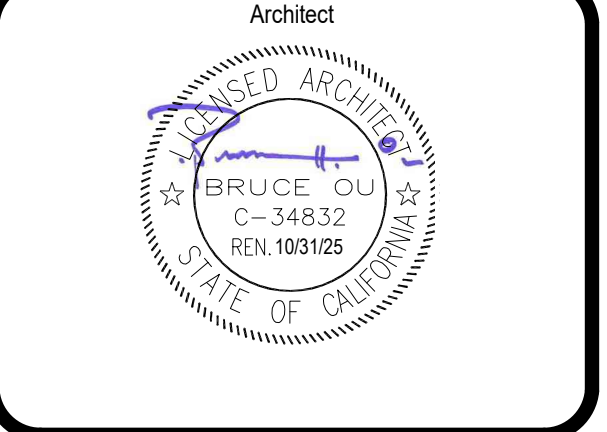
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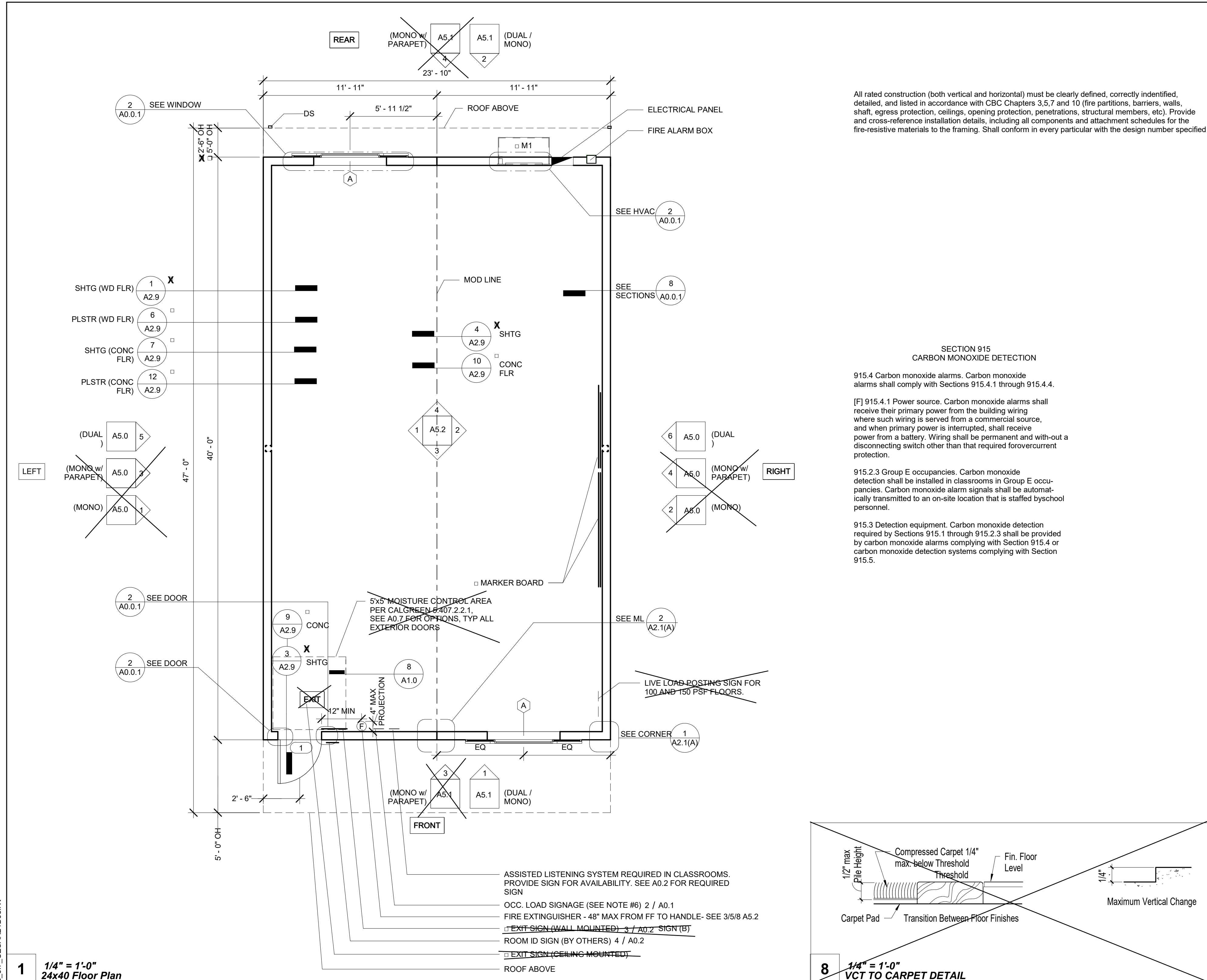
REVISIONS		
No.	Description	Date

CLIENT TUSD
DATE xxxxx PROJECT NUMBER 230379

FIRE ALARM DETAILS

FA6.01

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1 1/4" = 1'-0"
24x40 Floor Plan

All rated construction (both vertical and horizontal) must be clearly defined, correctly identified, detailed, and listed in accordance with CBC Chapters 3.5.7 and 10 (fire partitions, barriers, walls, shaft, egress protection, ceilings, opening protection, penetrations, structural members, etc). Provide and cross-reference installation details, including all components and attachment schedules for the fire-resistive materials to the framing. Shall conform in every particular with the design number specified

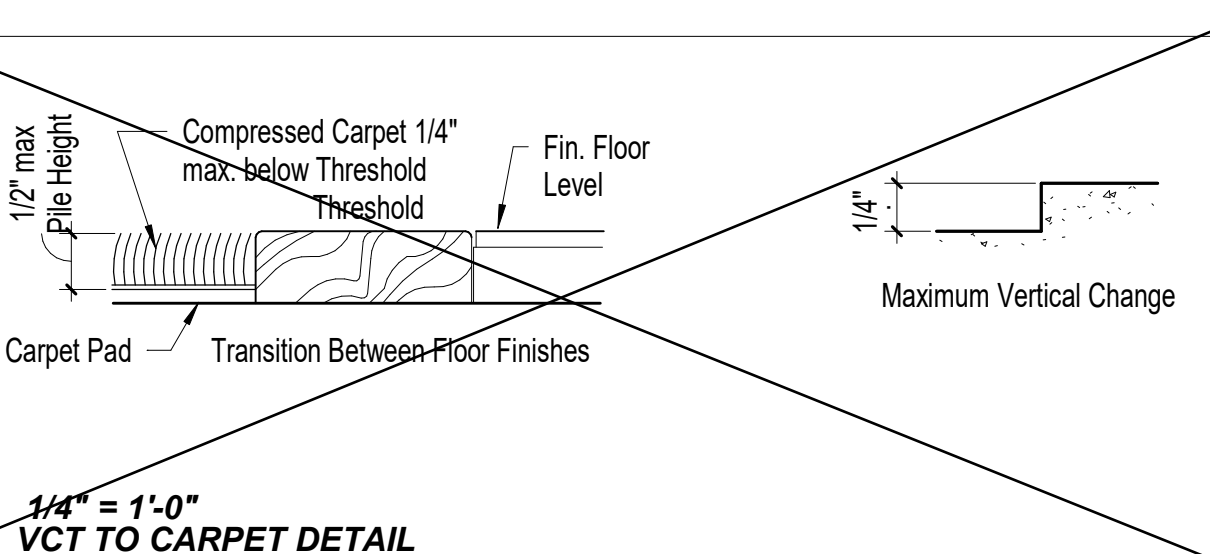
**SECTION 915
CARBON MONOXIDE DETECTION**

915.4 Carbon monoxide alarms. Carbon monoxide alarms shall comply with Sections 915.4.1 through 915.4.4.

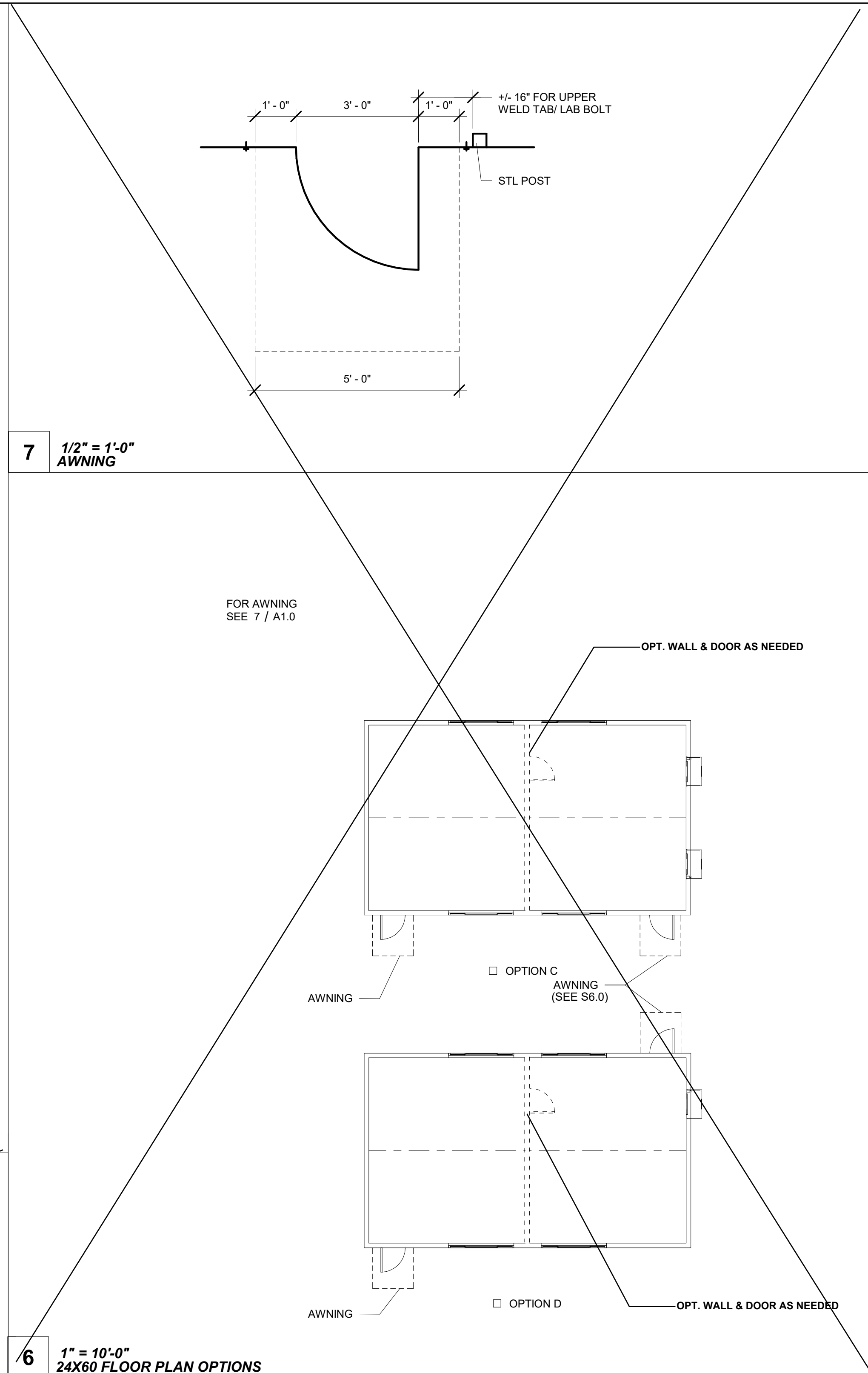
[F] 915.4.1 Power source. Carbon monoxide alarms shall receive their primary power from the building wiring where such wiring is served from a commercial source, and when primary power is interrupted, shall receive power from a battery. Wiring shall be permanent and with-out a disconnecting switch other than that required for overcurrent protection.

915.2.3 Group E occupancies. Carbon monoxide detection shall be installed in classrooms in Group E occupancies. Carbon monoxide alarm signals shall be automatically transmitted to an on-site location that is staffed by school personnel.

915.5 Detection equipment. Carbon monoxide detection required by Sections 915.1 through 915.2.3 shall be provided by carbon monoxide alarms complying with Section 915.4 or carbon monoxide detection systems complying with Section 915.5.



8 1/4" = 1'-0"
VCT TO CARPET DETAIL



6 1" = 10'-0"
24X60 FLOOR PLAN OPTIONS

5 1/4" = 1'-0"
Wall Schedule

Stud Size	Sheet	Notes
X Wood Wall Stud	S4.5	

FOR BURNING CHARACTERISTIC SEE 3 / A0.1

4 1/4" = 1'-0"
Fire Rating Schedule

Rating	Sheet	Notes
1 HOUR - SIDING OVER WD STUDS	A2.5	X
1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.6	

SEE A3.0 FOR ADDITIONAL FIRE ASSEMBLY NOTES AND DETAILS

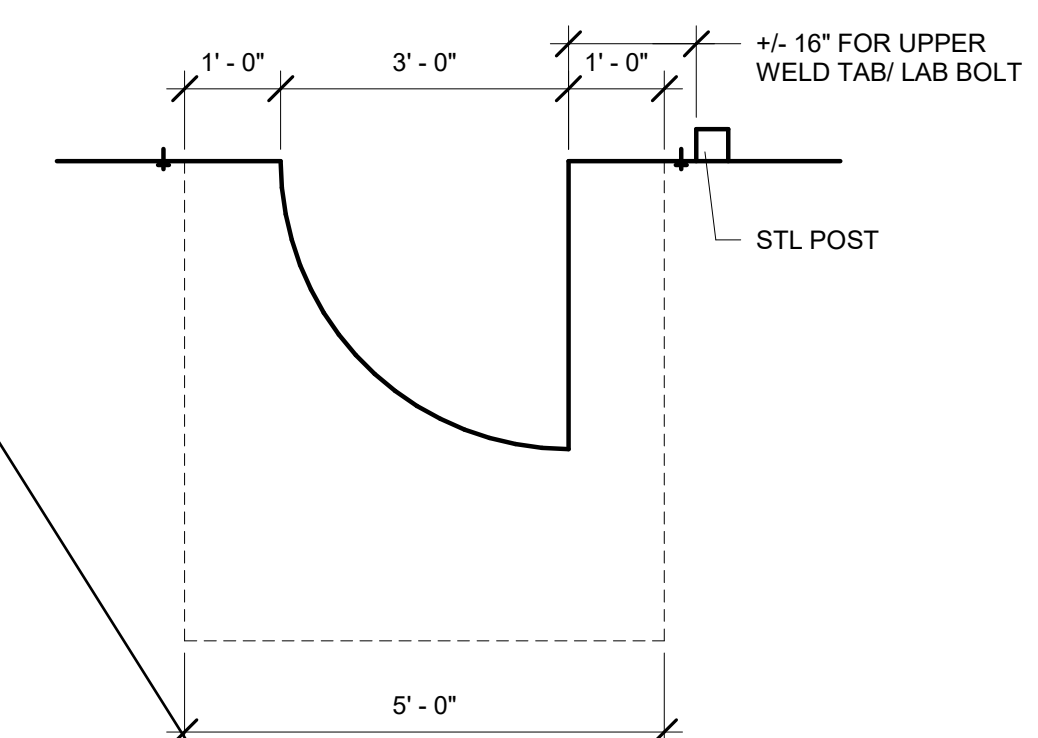
3 1/4" = 1'-0"
Ext. Finish Schedule

Finishes	Sheet	Notes
X SIDING OVER WD STUDS	A2.1	
PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.2	

6 1" = 10'-0"
Roofing Schedule

"SLOPE"	EDPM	Standing Seam	Parapet	Notes
Dual	<input type="checkbox"/> A4.2.2	X A4.0.2	N/A	
Mono	<input type="checkbox"/> A4.2.1	<input type="checkbox"/> A4.0.1	<input type="checkbox"/> A4.4.1	

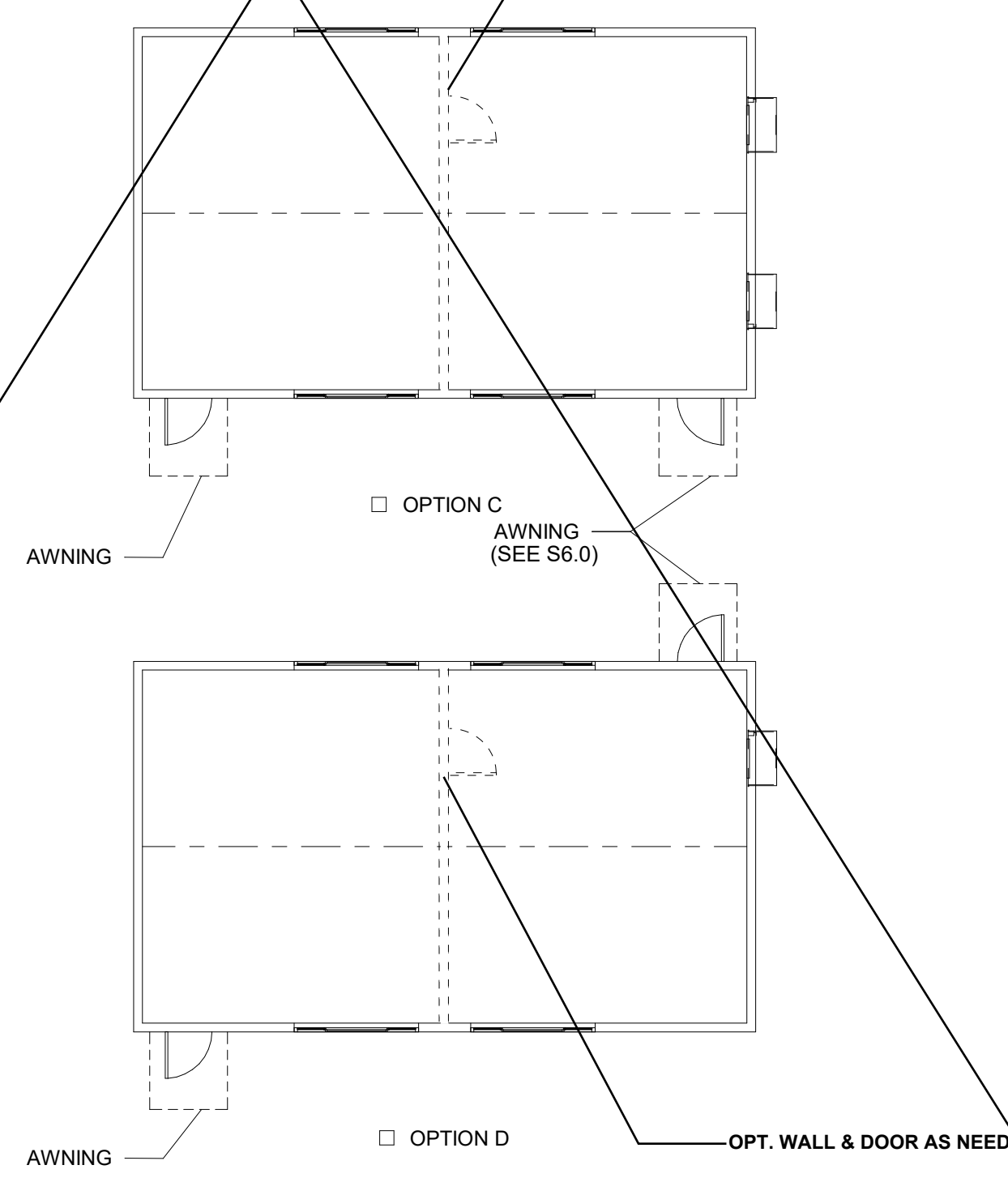
HVAC Unit		
Keynote	Type	Type Comments
X M1	Wall Mounted HVAC	See (M)-Sheets
<input type="checkbox"/> M2	Roof Mounted HVAC	See (M)-Sheets



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

FOR AWNING SEE 7 / A1.0

OPT. WALL & DOOR AS NEEDED



PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-122805 INC.
REVIEWED FOR
SS FLS ACS
DATE: 09/28/2023

R&S TAVARES ASSOCIATES
DESIGN & CONSULTING & PROJECT MGT
11500 W BERNHARD COURT, SUITE 100
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PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ARCHITECT
MANNY D. FLORES
03/31/24
STATE OF CALIFORNIA
05/24/23
RST#22088

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CLIENT

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ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP. 04-121368 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/22/2023

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC: 24' x 40'
EXPANDABLE TO
120' x 40'

SHEET TITLE
24x40 FLOOR PLAN

PROJECT NUMBER
22088

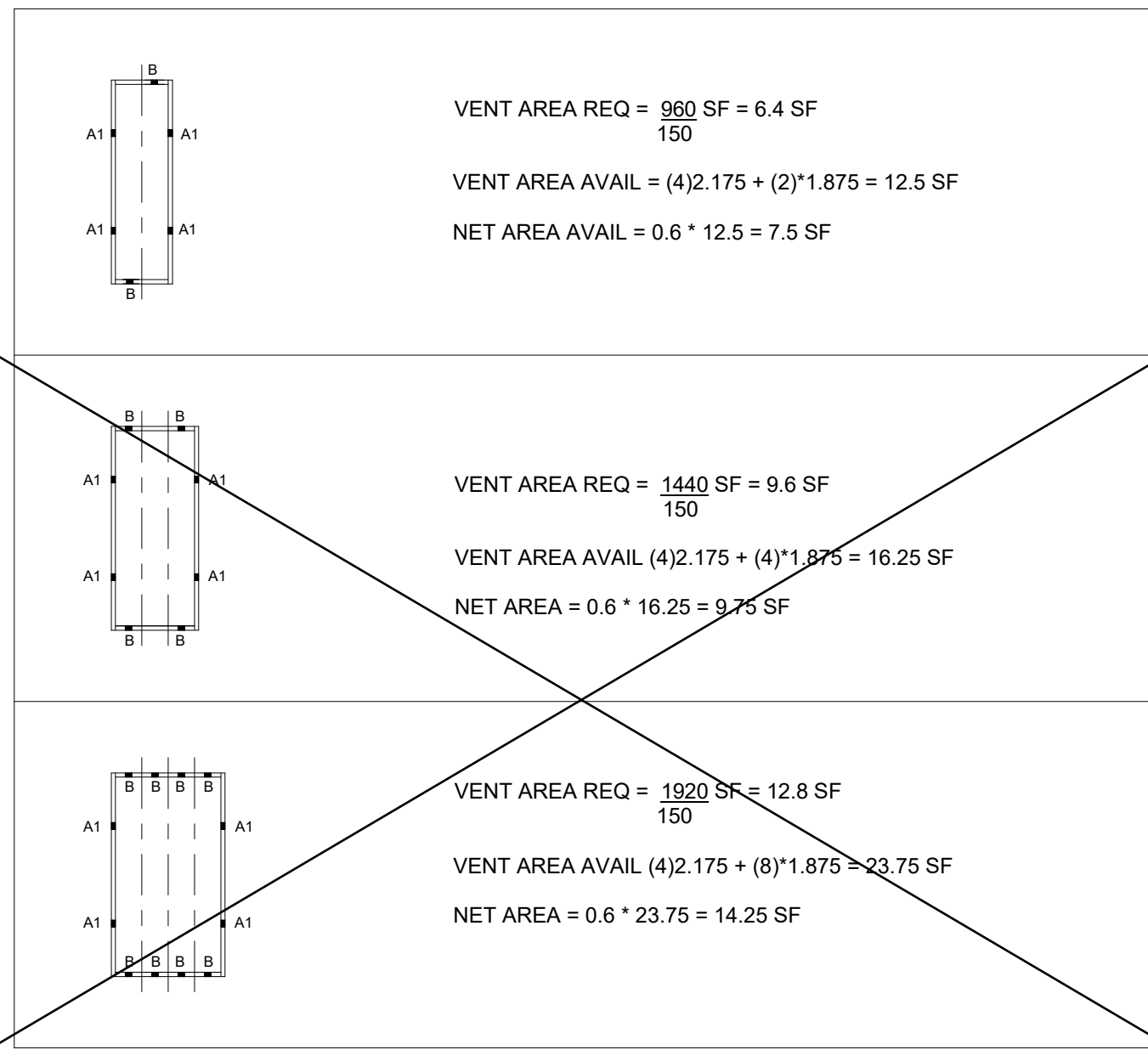
DRAWN BY
rMc/SC

CHECKED BY
RH/RT

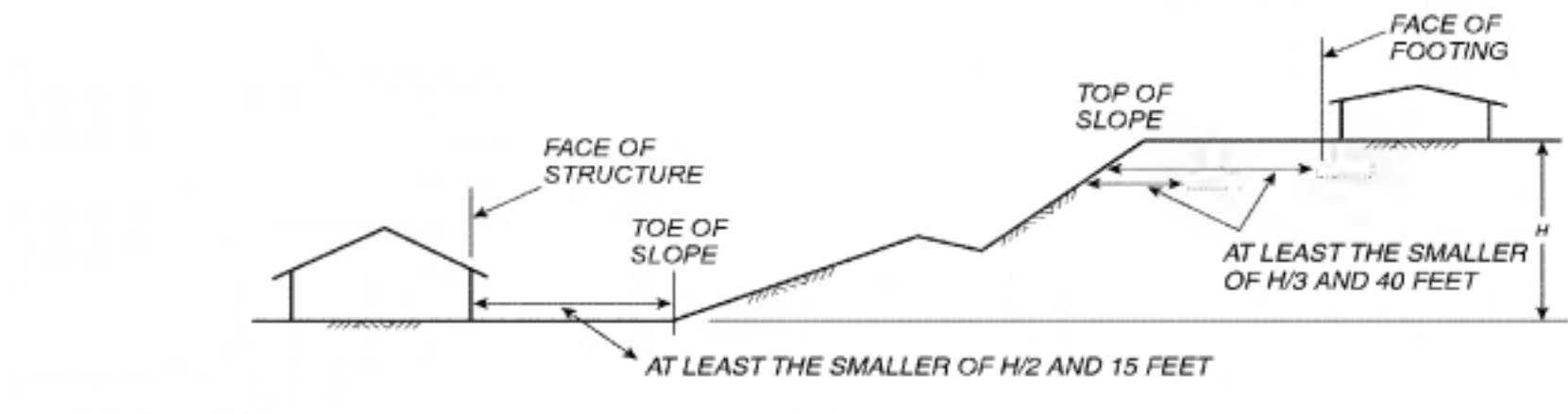
DATE

SHEET NO.
A1.0

SHEET OF



NOTE: WOOD FOUNDATION EXPANDABLE TO 48x40



For SI: 1 foot = 304.8 mm.

FIGURE 1808.7.1
FOUNDATION CLEARANCES FROM SLOPES

- WOOD FOUNDATION CONSTRUCTION IS ALLOWED FOR BUILDINGS WITH 2160 AND UNDER.
- SILL PLATES SHALL BE OF FOUNDATION GRADE REDWOOD OR PRESERVATIVE PRESURE TREATED MATERIAL AND IS ALLOWED TO REST DIRECTLY ON SOIL PAVEMENT. MATERIALS ABOVE THE SILL PLATES ARE NOT CONTROLLED BY REQUIREMENT.
- VENTS THAT OCCUR INSIDE RAMP BOUNDARIES SHALL REQUIRE A VENT OF EQUAL SIZE AT RAMP SKIRTING.
- TO PREVENT SLIDING; A 1 INCH G.S. SCHEDULE 40 PIPE (1.315" ACTUAL O.D.) SHALL BE ATTACHED TO SILL PLATE AND ANCHORED INTO THE EARTH W/ 12" MIN EMBEDMENT (PROJECTED VERTICALLY) @ 10' - 0" MAX O.C. AND SHALL BE LOCATED A MAXIMUM OF 2'-0" FROM CORNERS
- STACKED FOUNDATION MEMBERS SHALL BE FASTENED TO ONE ANOTHER W/ CORROSION RESISTANT NAILS.
- WOOD FOUNDATION HAVE BEEN DESIGNED FOR AN ALLOWABLE BEARING PRESSURE OF 1,000 PSF IN ABSENSE OF A SOILS INVESTIGATION REPORT PROVIDED BY A LICENSED GEOTECHNICAL ENGINEER.
- REFER TO ARCHITECT'S SITE PLAN FOR DRAINAGE.

3 **1/4" = 1'-0"**
FOUNDATION SETBACKS

7 **1/4" = 1'-0"**
NOTES FOR 50+15

KEY PLAN VENTING SCHEDULE	
VENT "A1" (SIDEWALL):	3'-6" x 7'-5" = 2,188 SF VENTILATION AVAILABLE
VENT "B" (ENDWALL):	3'-0" x 7'-5" = 1,875 SF VENTILATION AVAILABLE

SEE 2/F1.40 FOR REFERENCE

(2) 16d NAILS SILL TO BASE CONNECTION FOR 50+15 SEE 7 / F1.10			
	ENDWALL	SIDEWALL	SEPERATION
24x40	7" O.C	12" O.C	12" O.C
36x40	7" O.C	12" O.C	12" O.C
48x40	7" O.C	12" O.C	12" O.C

9 **1/4" = 1'-0"**
KEY PLAN VENTING SCHEDULE FOR 50+15 PSF

6 **1/4" = 1'-0"**
NAILING SCHEDULE FOR 50+15

WOOD FOUNDATION PLATE SCHEDULE 50 + 15 PSF								
PLATES	END WALL	SIDE WALL	MODLINE ENDS	MODLINE INTERIOR	ML "B" ENDS	ML "B" INTERIOR	SEPERATION ENDS	SEPERATION INTERIOR
BOOSTER	2x4	2x4	2x6	2x6	2x8	2x8	2x4	2x4
TOP	2x6	2x6	2x8	2x8	2x10	2x10	2x6	2x6
BASE	2x8	2x8	2x10	2x10	2x12	2x12	2x8	2x8
SILL	2x12	2x12	(6) 2x12, 24" LONG	(6) 2x12, 24" LONG	(8) 2x12, 24" LONG	(8) 2x12, 24" LONG	2x12	2x12

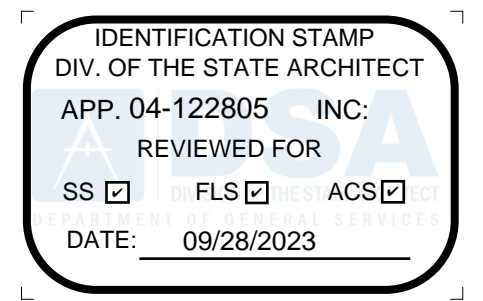
* MODLINE "B" - MODLINE W/ EXT. WALLS BACK-TO-BACK SEE F1.14

TIE PLATE SCHEDULE		
	END WALL	SIDE WALL
24x40	5	3
36x40	7	3
48x40	10	3

4 **1/4" = 1'-0"**
TIE PLATE SCHEDULE FOR 50+15

8 **1/4" = 1'-0"**
WOOD FOUNDATION PLATE SCHEDULE FOR 50+15

PROJECT SPECIFIC STATE AGENCY APPROVAL



PROFESSIONAL STAMP

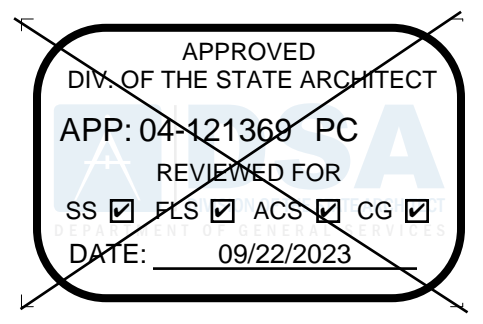


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ORIGINAL PC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC:24' x 40'
EXPANDABLE TO
120' x 40'

SHEET TITLE
WOOD
FOUNDATION
NOTES SCHED
FOR BLDG W/
50+15

PROJECT NUMBER
22088

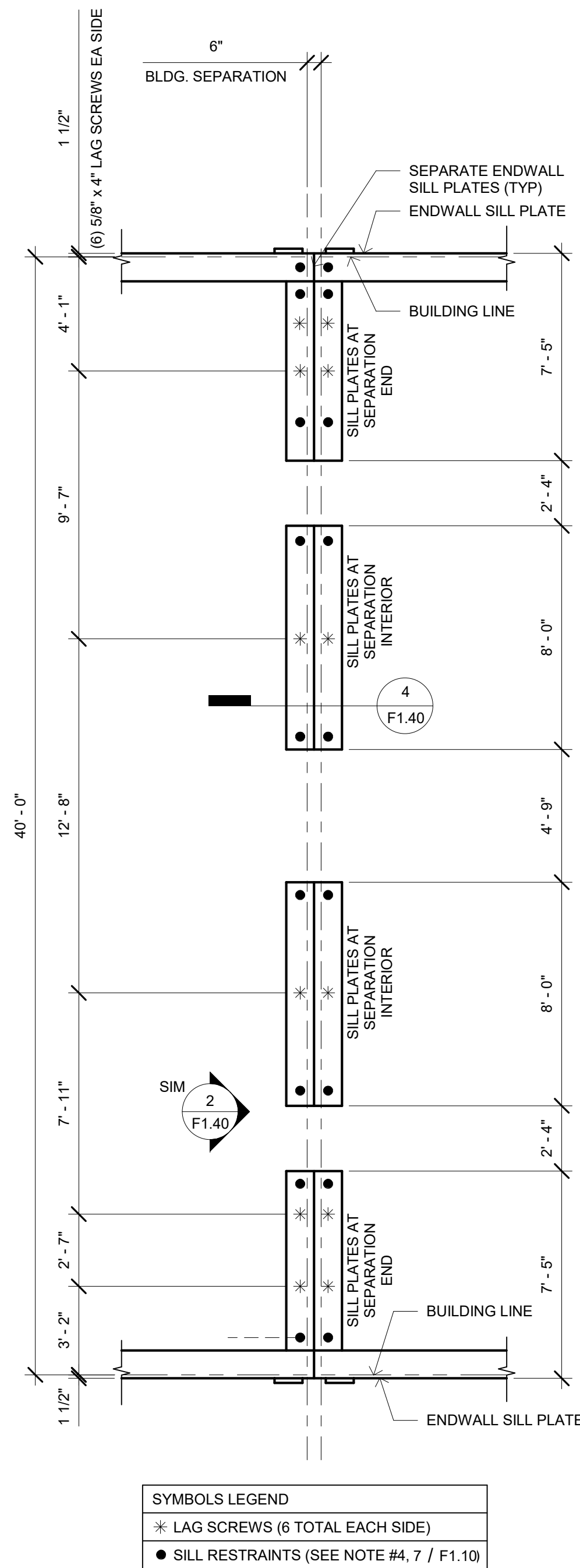
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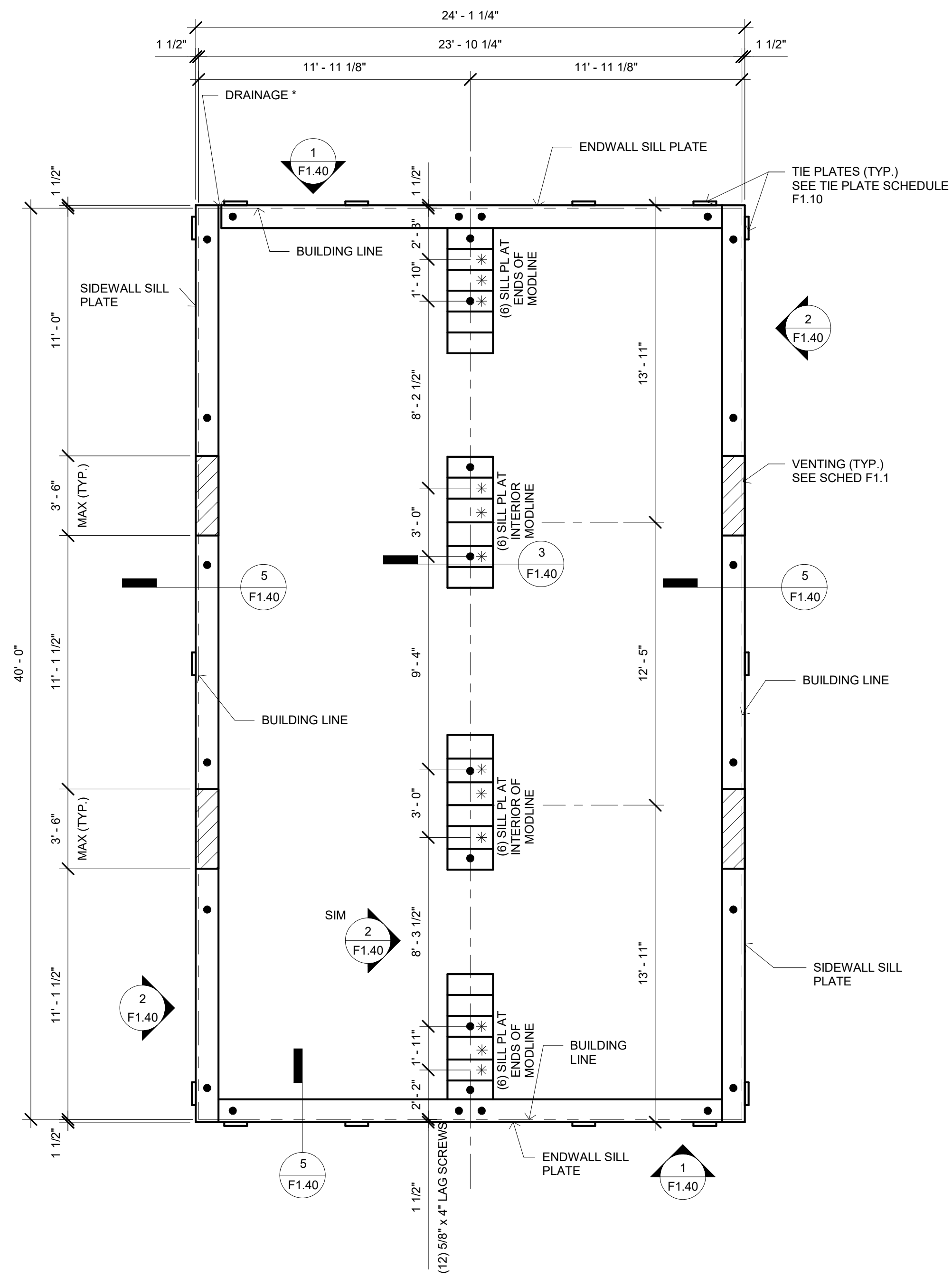
DATE

SHEET NO.
F1.10

SHEET OF



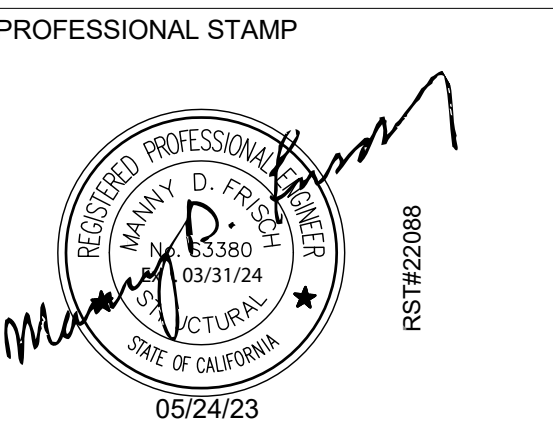
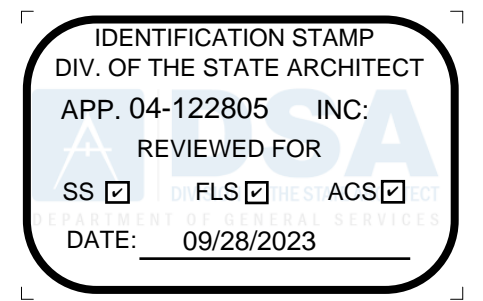
SYMBOLS LEGEND	
*	LAG SCREWS (6 TOTAL EACH SIDE)
●	SILL RESTRAINTS (SEE NOTE #4, 7 / F1.10)



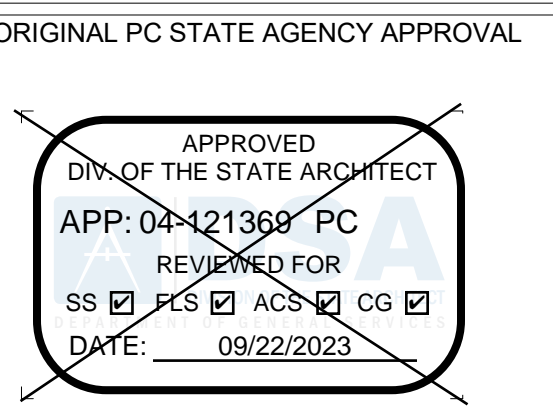
SYMBOLS LEGEND	
*	LAG SCREWS (12 TOTAL)
●	SILL RESTRAINTS (SEE NOTE #4, 7 / F1.10)

* REFER TO ARCHITECTURAL SITE PLAN FOR DRAINAGE

PROJECT SPECIFIC STATE AGENCY APPROVAL



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Revision Schedule		
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Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC:24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
WOOD FOUNDATION PLAN 24x40 BLDG W/ 50+15

PROJECT NUMBER
22088

DRAWN BY
rMc/SC

CHECKED BY
JA/RT

DATE

SHEET NO.
F1.11

SHEET OF

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6/16/2021 7:44:48 AM

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6/16/2021 7:44:53 AM

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP. 04-122805 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 09/28/2023

R&S TAVARES ASSOCIATES
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 11500 W BERNHARD COURT, SUITE 100
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 WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ARCHITECT
 MANNY D. FRIEDL
 65380
 03/31/24
 CALIFORNIA
 STATE OF CALIFORNIA
 05/24/23
 RST#22088

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CLIENT

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 1320 W. Oleander Ave, Perris CA 92571-7408
 VOICE (951) 943-1908 Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

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 APP. 04-121368 PC
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Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT
 Code: 2022 CBC
 A separate project application for construction is required

PROJECT TITLE
**PC 2022 CBC:24' x 40'
 EXPANDABLE TO
 120' x 40'**

SHEET TITLE
**MODLINE "B" W/
 EXTERIOR WALLS
 BACK-TO-BACK 50+15
 PSF**

PROJECT NUMBER
 22088

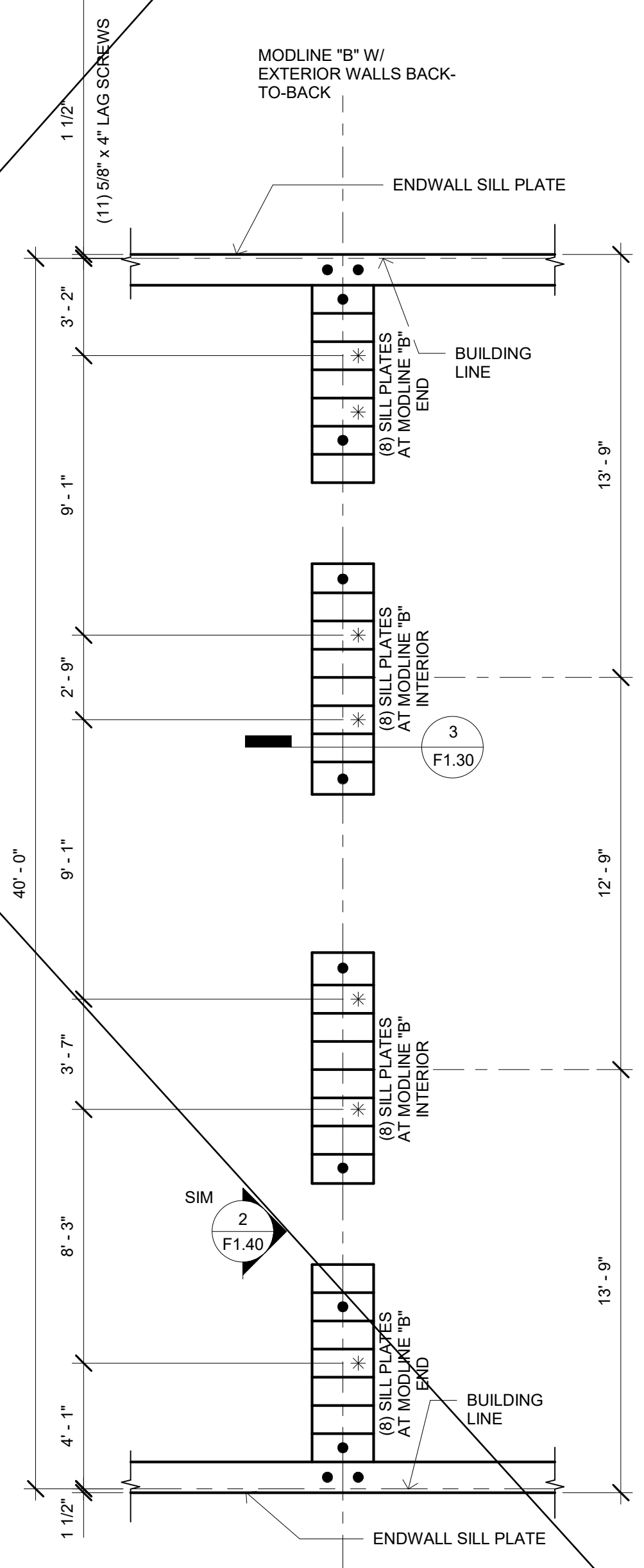
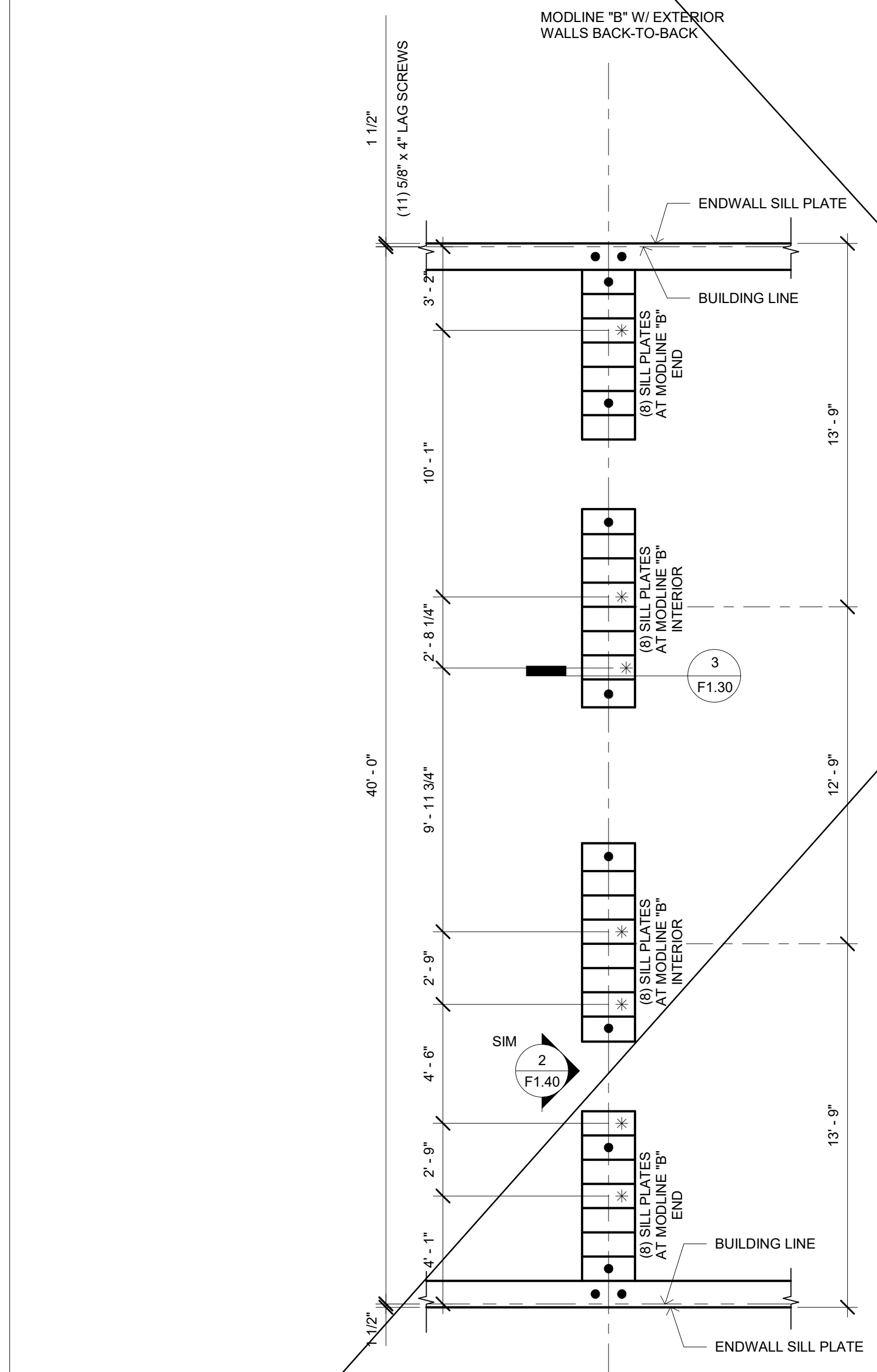
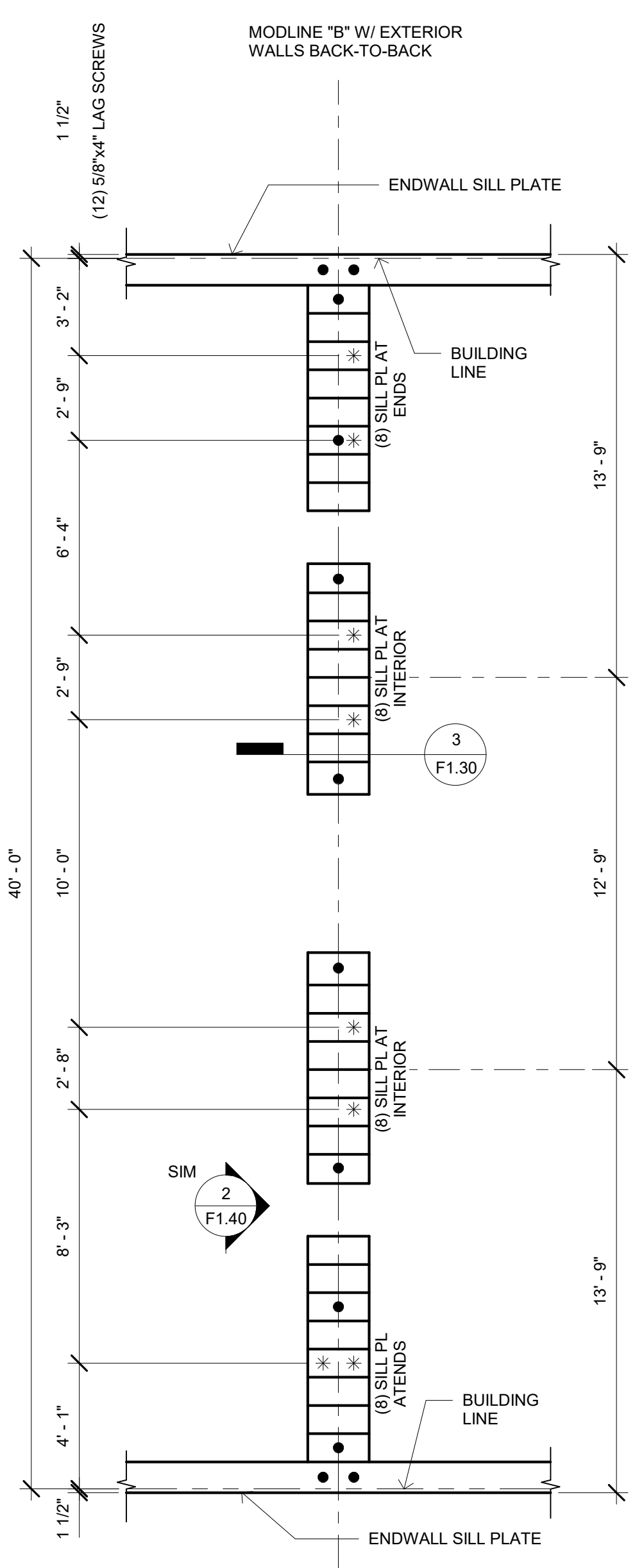
DRAWN BY
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DATE

SHEET NO.
F1.14

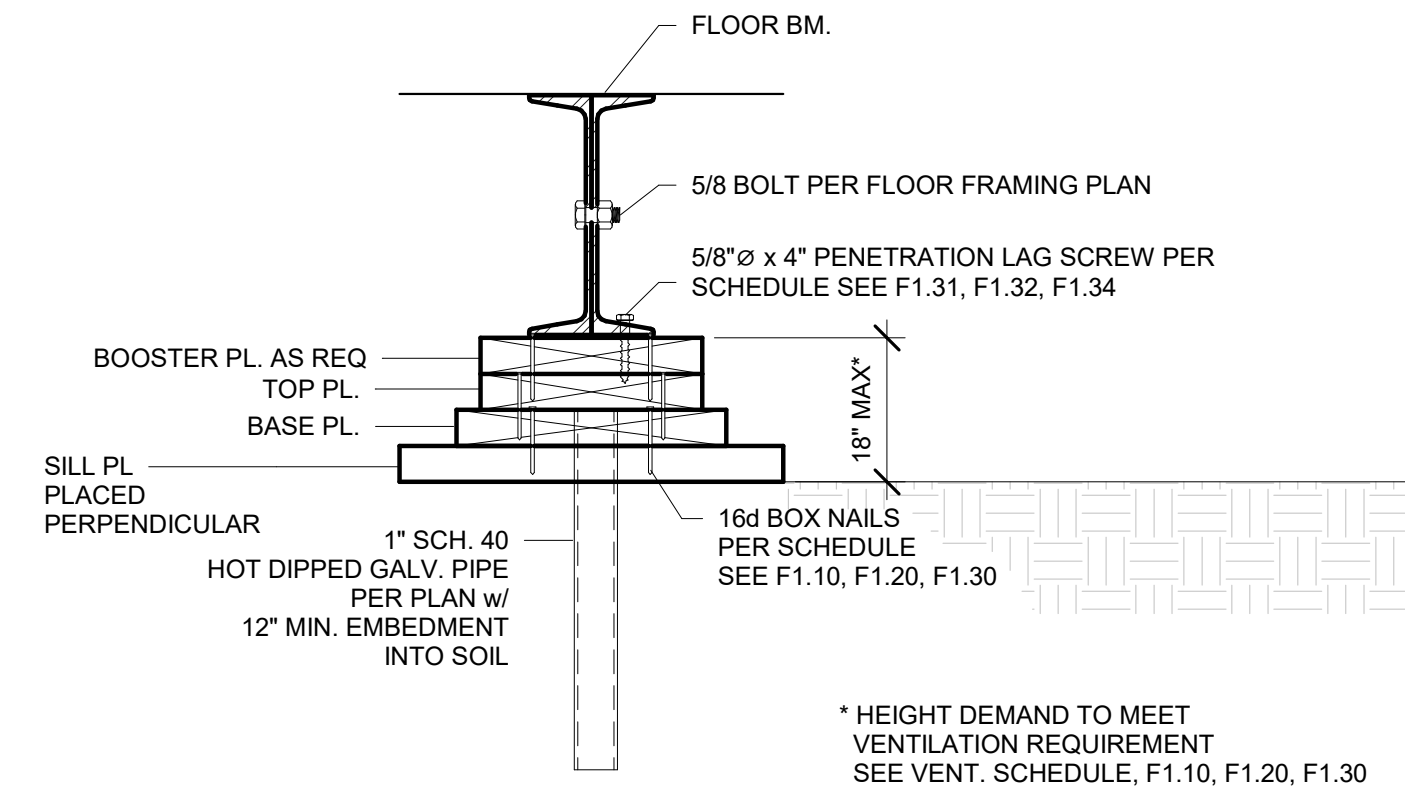
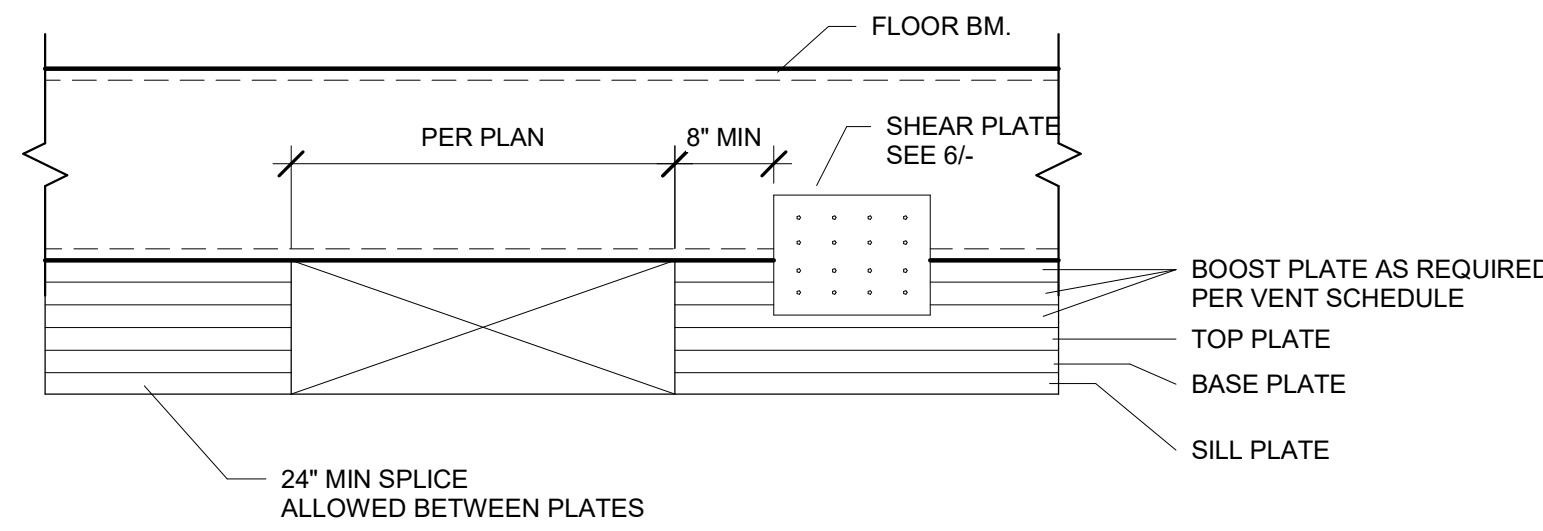
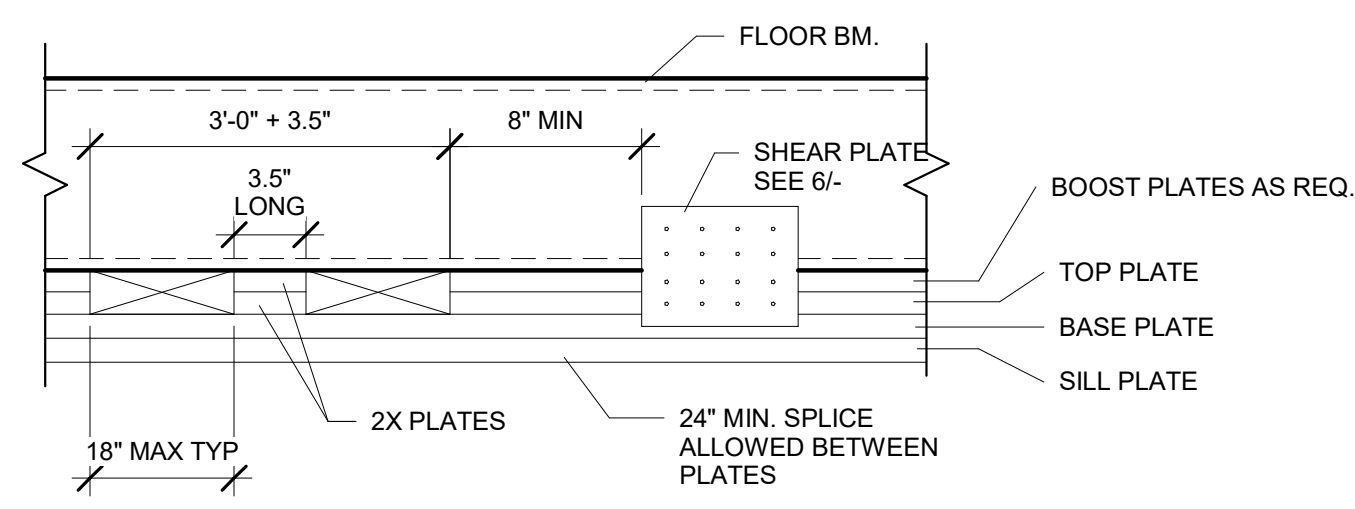
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1 1/4" = 1'-0"
 FOOTING AT MODLINE TYPE "B", 24x40

2 1/4" = 1'-0"
 FOOTING AT MODLINE TYPE "B", 36x40

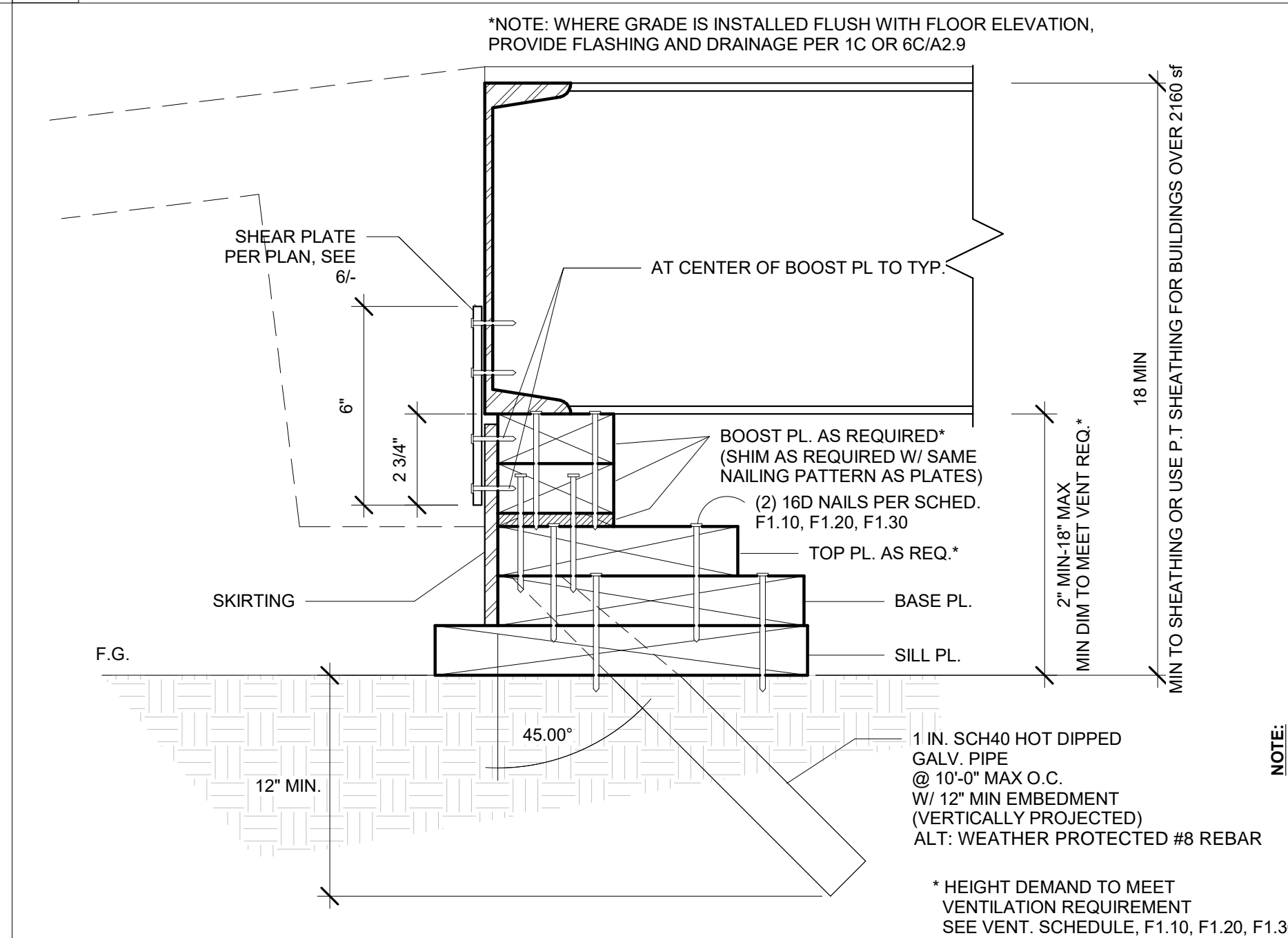
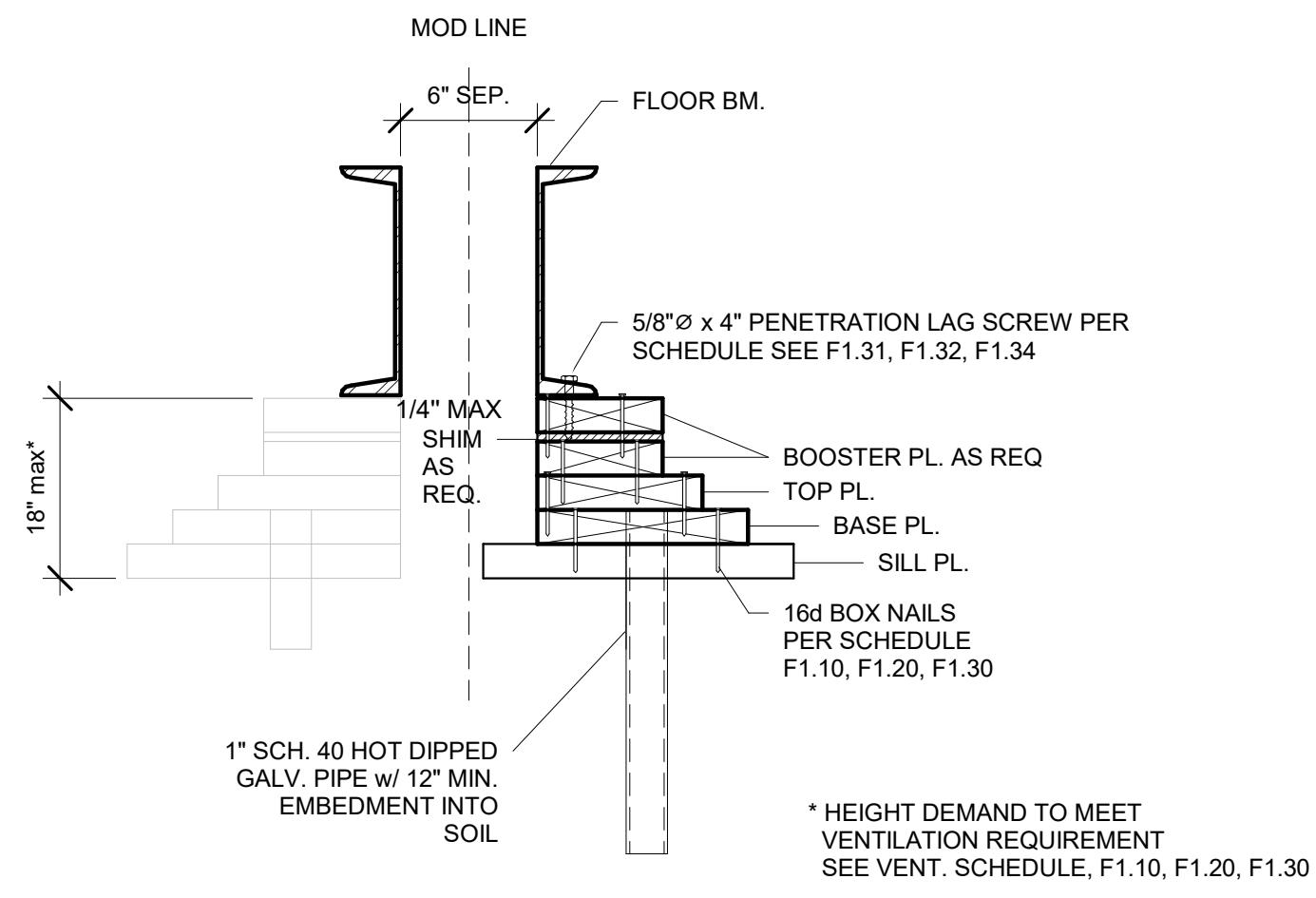
3 1/4" = 1'-0"
 FOOTING AT MODLINE TYPE "B", 48x40



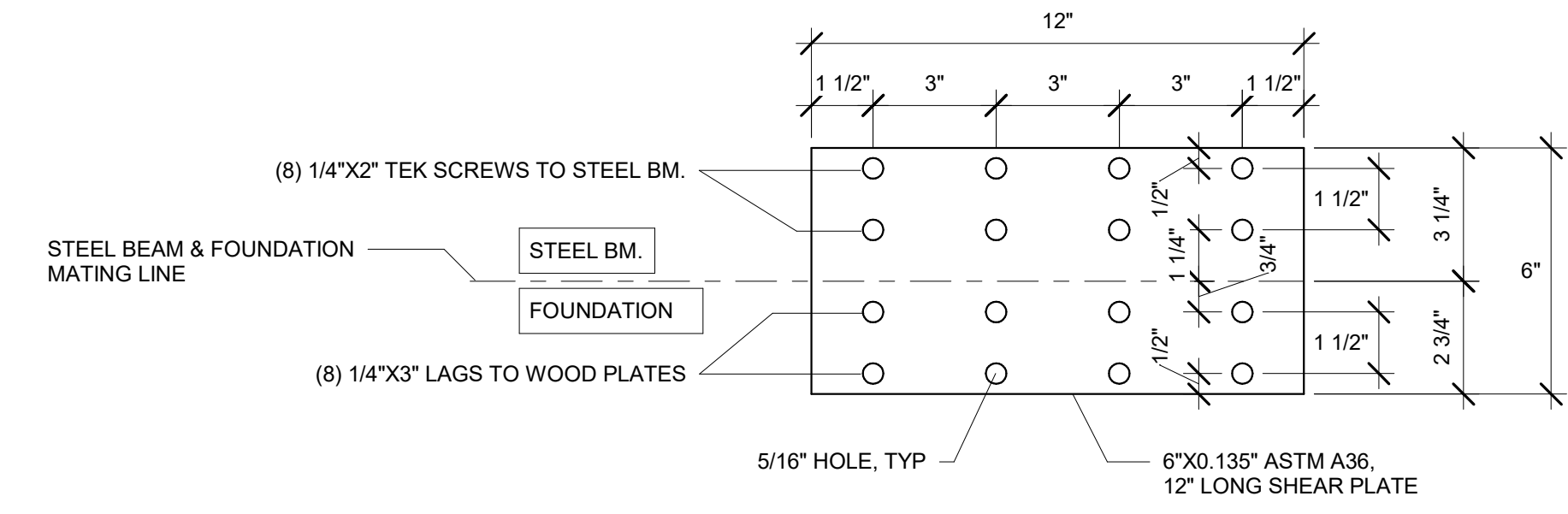
1 1 1/2" = 1'-0"
VENT OPENING OVER BASE PLATE

2 1 1/2" = 1'-0"
VENT OPENING @ SIDEWALL OR MODLINE @ SEPERATION

3 1 1/2" = 1'-0"
FOUNDATION PAD AT MOD LINE



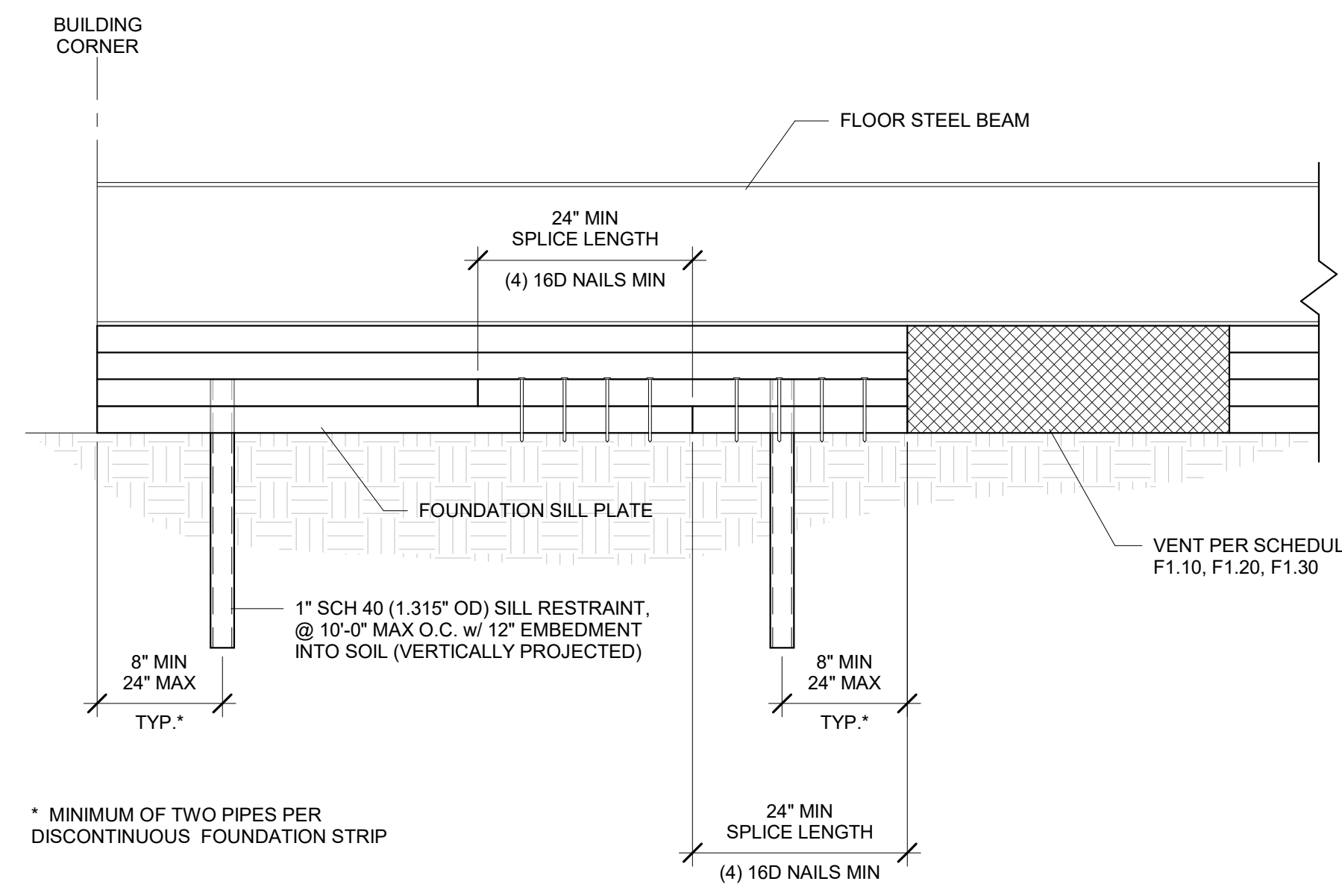
NOTE: (BASED ON DSA IR-16-1 SECTIONS 2.2.3, 2.3 AND 2.4. ANY BUILDING UNDER 2160 SOFT MAY BE LOWER THAN 16'. THE REQUIREMENT FOR PRESERVATIVE FLOOR FINISHES SHALL BE DETERMINED BY THE CLIENT'S APPOINTED AGENT.)



4 1 1/2" = 1'-0"
FOUNDATION PAD AT SEPARATION

5 3" = 1'-0"
SILL PLATE PROFILE

6 3" = 1'-0"
SHEAR PLATE



7 1 1/2" = 1'-0"
Splice at Sills

PROJECT SPECIFIC STATE AGENCY APPROVAL

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R&S TAVARES ASSOCIATES
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WWW.RSTAVARES.COM

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REGISTERED PROFESSIONAL ARCHITECT
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03380
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CALIFORNIA
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PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC:24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
WOOD FOUNDATION DETAILS

PROJECT NUMBER
22088

DRAWN BY
rMc/SC

CHECKED BY
JA/RT

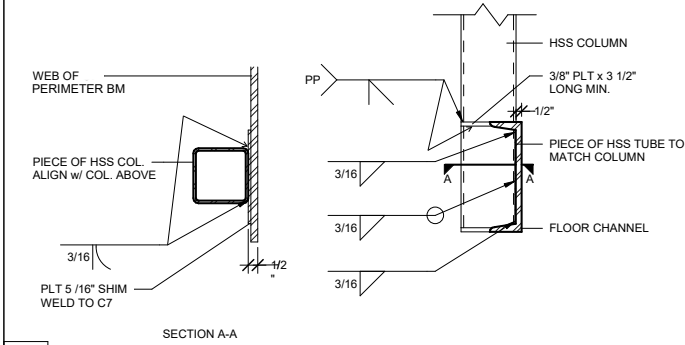
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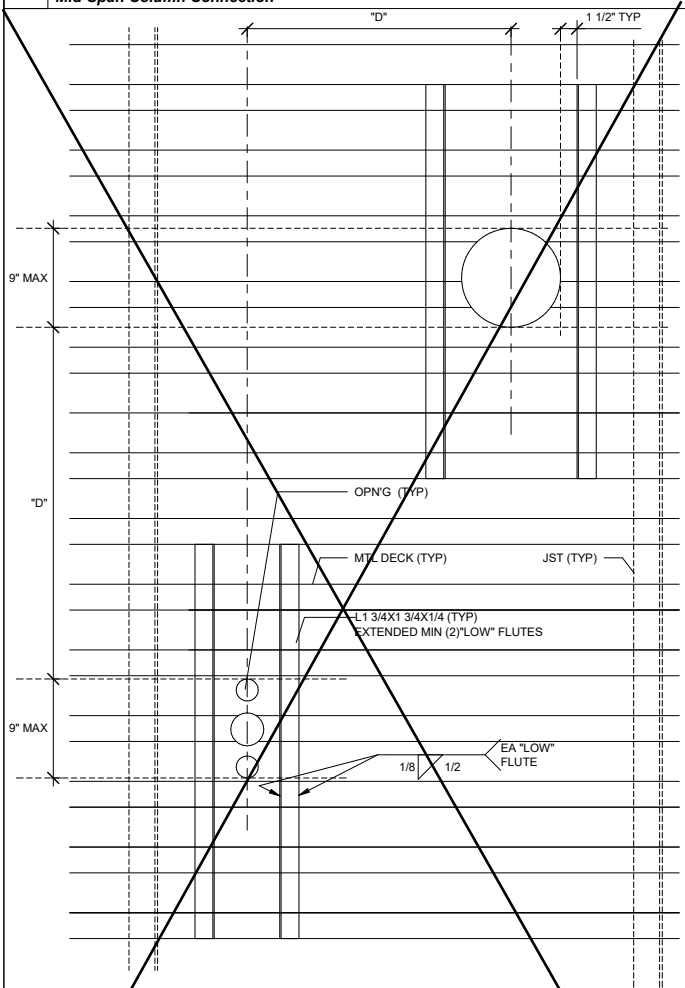
SHEET OF

BH-36 METAL DECK PROPERTIES & PROFILE					
PLAN DESIGNATION	DECK TYPE	MINIMUM EFFECTIVE PROPERTIES			DECK PROFILE
		S_x IN ² /FT	S_y IN ² /FT	I_x IN ⁴ /FT	
1-12'-18GA ABC BH-36 GALV DECK (2" WIDE)		0.311	0.329	0.287	
		0.313			

20 1 1/2" = 1'-0"
BH-36 Metal Deck Properties & Profile

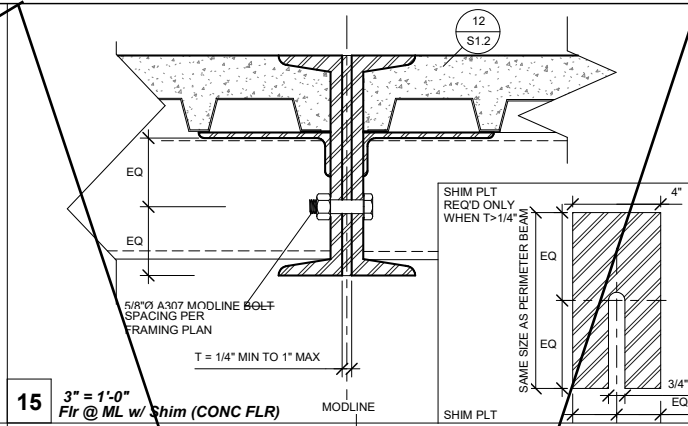


7 1 1/2" = 1'-0"
Mid-Span Column Connection

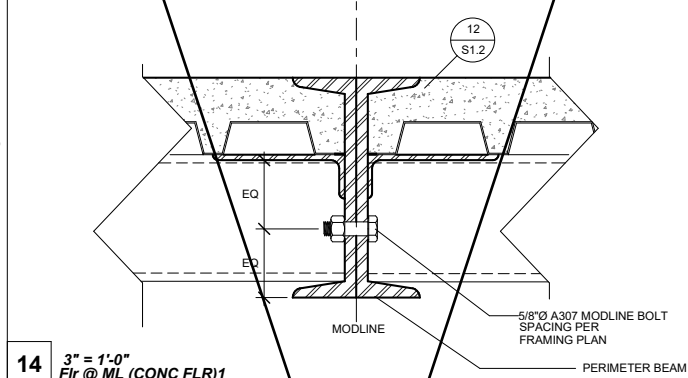


- THIS DETAIL IS FOR USE ONLY FOR OPENINGS OR OPENING GROUPS THAT ARE 0'-9" OR SMALLER.
- OPENINGS 2" OR LESS NOT OCCURRING IN THE LOWER FLUTE DO NOT REQUIRE REINFORCING AND MAY BE CORED THRU THE CONCRETE.
- IF "D" IS LESS THAN 32" THEN THE GROUP OF OPENINGS MUST BE BLOCKED OUT WITH ADDITIONAL FRAMING.
- PRIOR TO CONCRETE POUR, BLOCK OUT THE OPENINGS. AFTER THE CONCRETE HAS BEEN CURED THE DECK MAY BE CUT.

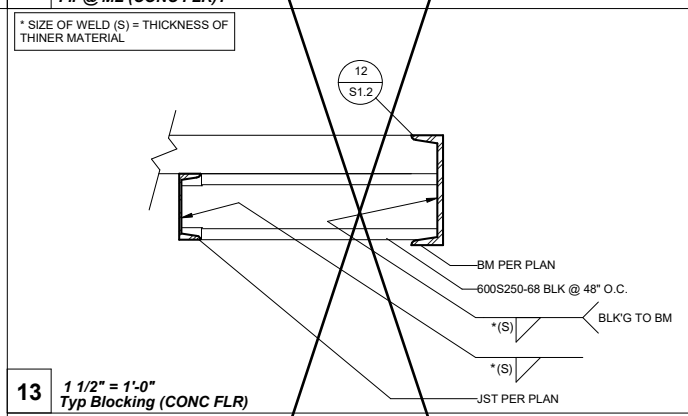
16 1 1/2" = 1'-0"
Typ Deck Penetrations (CONC FLR)



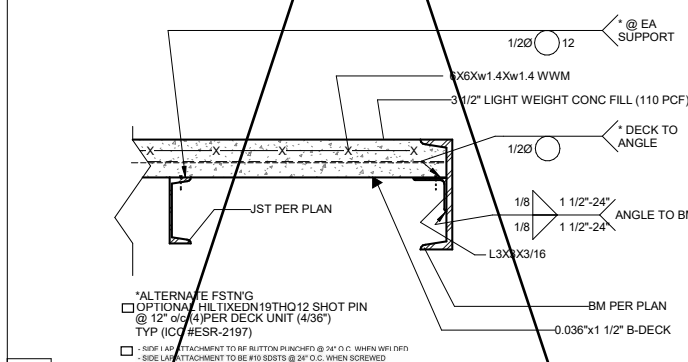
15 3" = 1'-0"
Fir @ ML w/ Shim (CONC FLR)



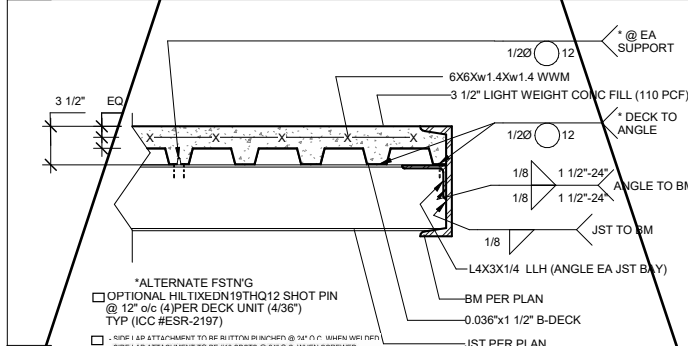
14 3" = 1'-0"
Fir @ ML (CONC FLR)1



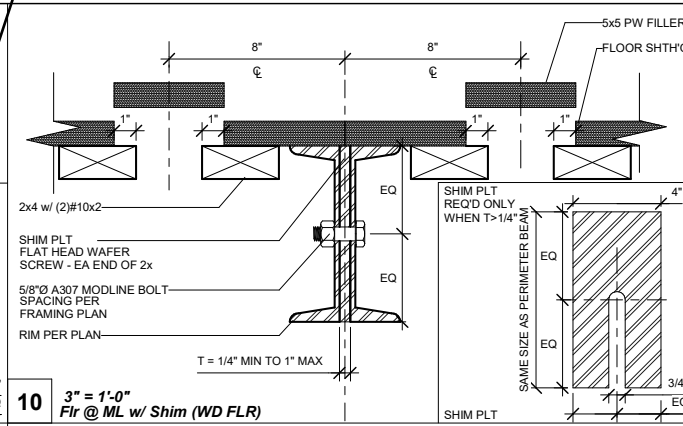
13 1 1/2" = 1'-0"
Typ Blocking (CONC FLR)



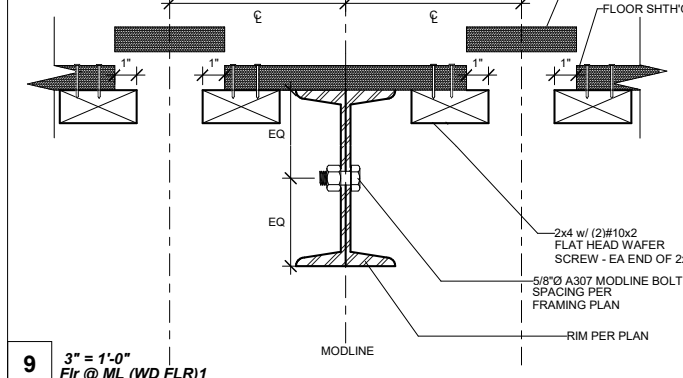
12 1 1/2" = 1'-0"
Typ End Beam Connection @ Rim (CONC FLR)



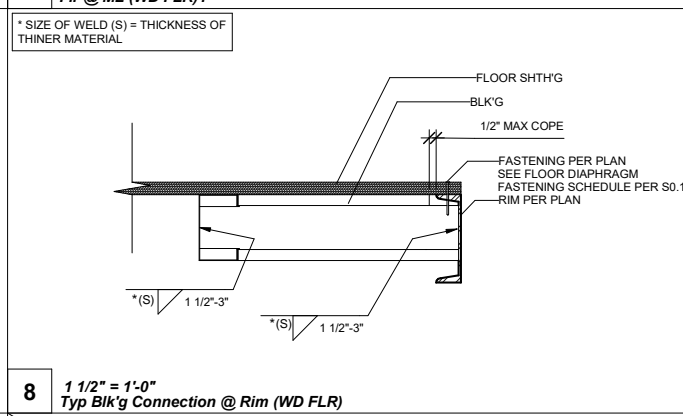
11 1 1/2" = 1'-0"
Typ Side Beam Connection @ Rim (CONC FLR)



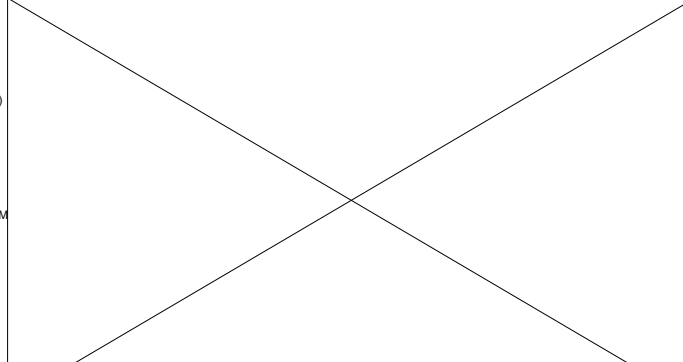
10 3" = 1'-0"
Fir @ ML w/ Shim (WD FLR)



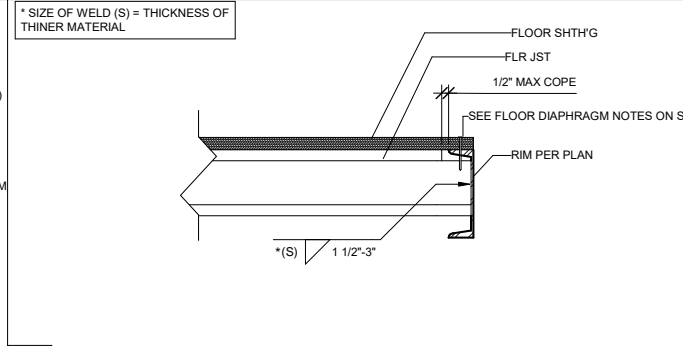
9 3" = 1'-0"
Fir @ ML (WD FLR)1



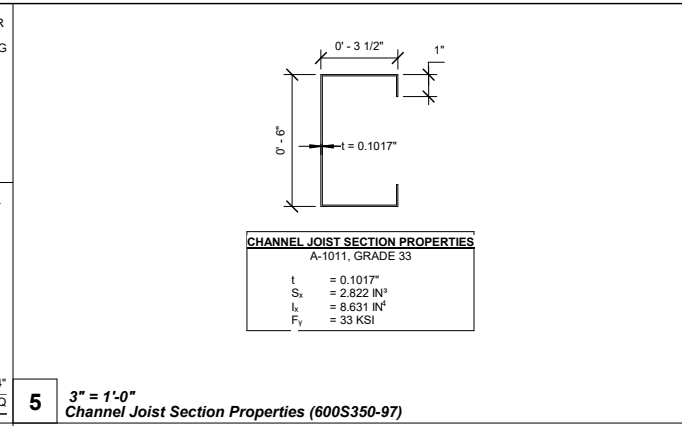
8 1 1/2" = 1'-0"
Typ Blk'g Connection @ Rim (WD FLR)



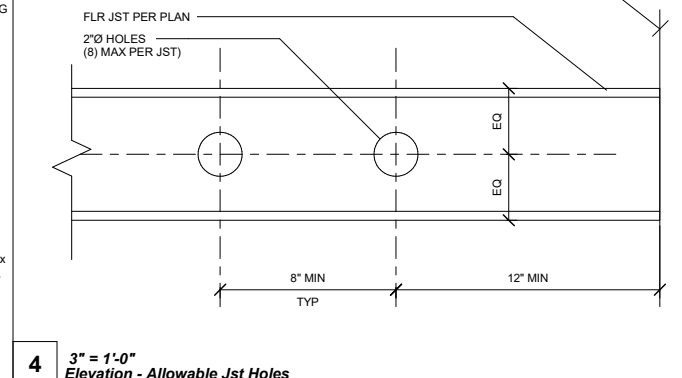
6 1 1/2" = 1'-0"
Typ Joist Connection @ Rim (WD FLR)



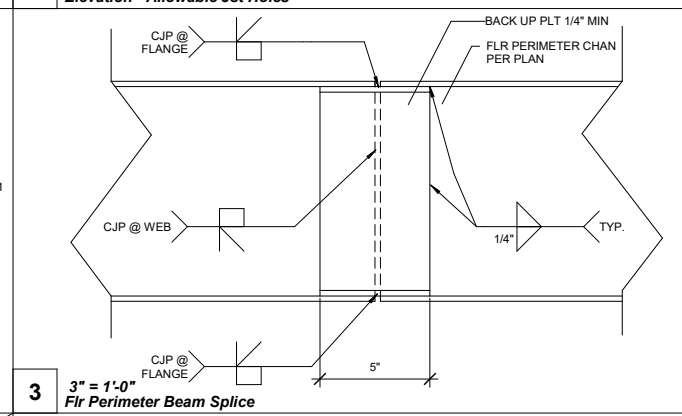
6 1 1/2" = 1'-0"
Typ Joist Connection @ Rim (WD FLR)



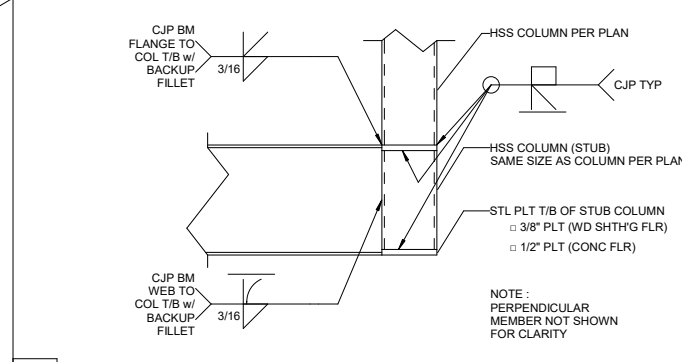
5 3" = 1'-0"
Channel Joist Section Properties (600S350-97)



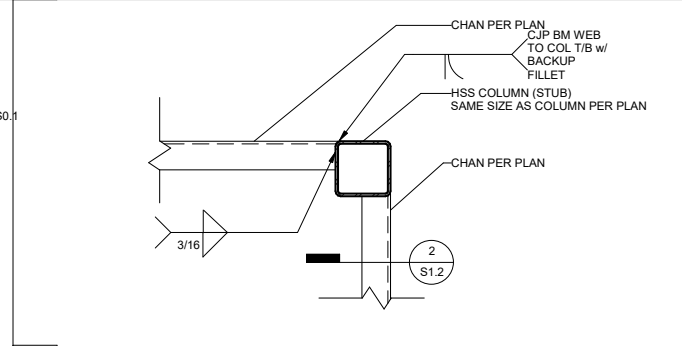
4 3" = 1'-0"
Elevation - Allowable Jst Holes



3 3" = 1'-0"
Fir Perimeter Beam Splice



2 1 1/2" = 1'-0"
Typ Fir Bm to Column Connection



1 1 1/2" = 1'-0"
Typ Corner Connection

PROJECT SPECIFIC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP. 04-122805 INC.
REVIEWED FOR
SS FLS ACS
DATE: 10/17/23

R&S TAVARES ASSOCIATES
DESIGN & CONSULTING ARCHITECTS
1150 W BERNHARD COUNTY, SUITE 100
SAN DIEGO, CA 92107
WWW.R&STAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ARCHITECT
MANNY D. FRENCH
No. 53380
03/31/24
STATE OF CALIFORNIA
RSTW22088
05/24/23

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Class Leasing
1320 W. Oleander Ave., Perris CA 92571-7408
VOICE (951) 943-1908/Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP. 04-121369 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/22/2023

Revision Schedule		
#	Description	Date
1	AMEND CALL OUT PER CALCS	10-11-23

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC:24' x 40'
EXPANDABLE TO
120' x 40'

SHEET TITLE
STRUCTURAL
DETAILS
(FLOOR)

PROJECT NUMBER
22088

DRAWN BY
rMc/SC

CHECKED BY
JA/RT

DATE

SHEET NO.
S1.2

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2020

LIST OF APPLICABLE CODES

- 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR
- 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
- 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
- 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
- 2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CCR
- 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
- 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
- 2022 CALIFORNIA GREEN BUILDING STANDARD CODE (CALGREEN), PART 11, TITLE 24 CCR
- 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR
- 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

APPLICABLE STANDARDS

FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

NOTE: CAL/OSHA ELEVATOR UNIT ENFORCES CCR TITLE 8 AND USES THE 2004 ASME A17.1 BY ADOPTION

*CALIFORNIA ADMINISTRATIVE CODE, PART 1, CHAPTER 10, ADMINISTRATIVE REGULATIONS FOR THE CALIFORNIA ENERGY COMMISSION (CEC)

GENERAL NOTES

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATION SHALL BE MADE BY AN ADDENDUM OR CONSTRUCTION CHANGE DOCUMENT (CCD) BY DSA AS REQUIRED BY SECTION 4-338 PART 1, TITLE 24, CCR

A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. DUTIES OF INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1 TITLE 24, CCR

COMPLETE ACCESS IS A DIVISION OF INTEGRATED STAIR SYSTEMS INC. WITH CORPORATE OFFICES LOCATED IN 1345 RYAN RD, BUCKLEY, WA 98321, (360) 829-4220

DESIGN LOADS

- LIVE LOAD: 100 PSF (4.8 kPa)
- HANDRAIL IMPACT: 200 LBS (0.9kN)
- HANDRAIL DIST. LOAD: 50 PLF (0.7 kN/m)

RISK CATEGORY: III

- SEISMIC: Ss=2.80g, S1=1.99g, R=1.25, SITE CLASS D
- LATERAL RESISTING SYST: OTHER STRUCTURES SIMILAR TO BUILDINGS
- WIND: 110 MPH, 3 SEC GUST EXPOSURE "C", Kzt=1.0
- SEIS IMPORTANCE FACTOR: Ie=1.25, Iw=1.0 Cs=1.493
- DESIGN BASE SHEAR, V: 1493 W
- SNOW LOAD: 0 PSF (0 kPa)
- SOIL ALLOWABLE BEARING: 1,000 PSF (4.8 kPa)

MATERIALS

- SQUARE STEEL TUBE ASTM A513 GR. C Fy= 33 KSI (345 MPa)
- RAMP OVERHANG POST ASTM A500 B Fy= 46 KSI

*ALL STEEL TO BE COATED WITH GALVANIZED RUST INHIBITING COATING

WOOD FOUNDATION SHALL BE OF FOUNDATION GRADE REDWOOD OR PRESERVATIVE PRESSURE TREATED HEM-FIR #2 AND IS ALLOWED TO REST DIRECTLY ON SOIL OR PAVEMENT.

WELDS

WELDING SHALL BE IN ACCORDANCE WITH AWS D.1.1-10 USING E70XX ELECTRODES FOR STEEL AND AWS D1.2 AND A5.10 FOR ALUMINUM, USING ALMIGWELD ER4043

BOLTS, SCREWS AND NAILS

STEEL TO STEEL CONNECTIONS: ASTM A307 CARBON STEEL BOLTS SHALL BE GRADE 5 ZINC PLATED, HOT DIPPED GALVANIZED TO ASTM A153 OR ELECTROGALVANIZED TO ASTM B63.3. FASTENER SHALL BE LUBRICATED TO ELIMINATE GALLING. ALL STEEL MEMBERS IN CONTACT WITH ALUMINUM SHALL BE ZINC COATED TO ELIMINATE GALVANIC REACTION.

STEEL TO STEEL & WOOD CONNECTIONS: ANSIA/ASME STEEL LAG SCREWS, STEEL STANDARD WOOD SCREWS, WOOD TO WOOD CONNECTION: ASTM STANDARD COMMON STEEL NAIL.

ITW RED HEAD CONCRETE WEDGE ANCHORS SHALL BE INSTALLED PER RECOMMENDATION SHOWN IN ESR-2427

HANDRAIL NOTES:

- MANEUVERING CLEARANCE ON EXTERIOR PULL SIDE OF DOOR SHALL BE 42" TYPICAL (610MM) MINIMUM WITH 60" (1524MM) MINIMUM LANDING IN FRONT OF DOOR.
- HANDRAILS SHALL BE CONTINUOUS ALONG BOTH SIDES. HANDRAILS SHALL BE PARALLEL WITH THE SURFACE AND PROJECT 12" (301MM) ON BEYOND TOP OF RISER AND 12" (301MM) PLUS 1 TREAD AT BOTTOM RISER. AT RAMP WHERE HANDRAIL ARE NOT CONTINUOUS BETWEEN RUNS THE HANDRAIL SHALL EXTEND HORIZONTALLY ABOVE THE LANDING 12" (301MM) MINIMUM BEYOND THE BEGINNING AND ENDING OF RAMP.
- TOP OF HANDRAILS SHALL BE MOUNTED BETWEEN 34" (864MM) AND 38" (965MM) ABOVE THE WALKING SURFACE, ONE CONSISTENT HEIGHT, BEGINNING TO END.
- CLEARANCE BETWEEN HANDRAIL AND WALL SHALL BE A MINIMUM OF 1-1/2" (38MM).
- GUARDS ARE TO BE DESIGNED FOR A CONCENTRATED LOAD OF 200 LBF (0.9 kN) APPLIED @ ANY POINT AND ANY DIRECTION ALONG THE RAIL OR A UNIFORM LOAD OF 50 PLF (0.7 kN/m) APPLIED HORIZONTALLY @ HANDRAIL HEIGHT.
- HANDRAILS SHALL HAVE A CIRCULAR CROSS SECTION WITH AN OUTSIDE DIAMETER OF 1-1/4" (31.75MM) MINIMUM AND NOT GREATER THAN 2" (51MM) MAXIMUM. 11B-605.7.2 NON-CIRCULAR CROSS SECTIONS, HANDRAIL GRIPPING SURFACES WITH A NON-CIRCULAR CROSS SECTION SHALL HAVE A PERIMETER DIMENSION OF 4 INCHES (102 MM) MINIMUM AND 6 INCHES (159 MM) MAXIMUM, AND A CROSS-SECTION DIMENSION OF 2 1/4 INCHES (57 MM) MAXIMUM.
- GRIPPING SURFACE SHALL BE CONTINUOUS ALONG THEIR LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOPS OR SIDES.
- HANDRAILS SHALL NOT ROTATE IN THEIR FITTINGS.
- ENDS OF HANDRAILS SHALL RETURN SMOOTHLY TO FLOOR, WALL OR POST.

RAMP NOTES

- RAMP SHALL CONFORM TO CBC 2022 TITLE 24 PART 2, CHAPTER 11B, 11B-405
- RAMP SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12 (8% SLOPE) FOR A MAXIMUM RISE OF 30" (762MM)
- THE MAXIMUM VERTICAL RISE OF RAMP RUN SHALL BE 30" (762MM) MAXIMUM
- RAMP SHALL HAVE LANDING AT BOTTOM AND TOP OF EACH RAMP RUN
- THE SLOPE ON LANDINGS SHALL NOT BE STEEPER THAN ONE UNIT VERTICAL IN 48 UNITS HORIZONTAL (2% SLOPE) IN ANY DIRECTION
- LANDING SHALL HAVE A WIDTH AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING AND A MINIMUM LENGTH OF 60" IN THE DIRECTION OF TRAVEL @ TOP LANDING - 72" MIN @ BOT LANDING
- CHANGES IN DIRECTION OF TRAVEL SHALL HAVE A LANDING 60" WIDE BY 72" LONG (1524MM X 1829MM) MINIMUM, WITH THE LENGTH BEING IN THE DIRECTION OF DOWNWARD TRAVEL AND CHANGES IN DIRECTION
- MANEUVERING CLEARANCE ON LANDING ADJACENT TO DOORWAYS SHALL BE NO LESS THAN 42" WITH DOOR IN ANY POSITION AND SHALL NOT BE REDUCED BY MORE THAN 3" WHEN DOOR IS FULLY OPENED
- WALKING SURFACE SHALL BE ROUGHED OR SHALL BE OF SLIP RESISTANT DIAMOND PLATE ALUMINUM AND ALL LANDINGS TO BE DESIGNED TO NOT RETAIN STANDING WATER - 2.083 MAX SLOPE ANY DIRECTION

ADDITIONAL NOTES

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR

SCOPE OF WORK

CONSTRUCTION OF RAMP AND STAIRS BUILDINGS (RELOCATABLE)

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number:	School Name:	School District:
DSA File Number:	Increment Number:	Date Created:

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections listed on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

**NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous - Indicates that a continuous special inspection is required	GE (Geotechnical Engineer) - Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.
Periodic - Indicates that a periodic special inspection is required	LOR (Laboratory of Record) - Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CBC Section 4-335.
Test - Indicates that a test is required	PI (Project Inspector) - Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA.
	SI (Special Inspection) - Indicates that the special inspection shall be performed by an appropriately qualified approved special inspector.

CS. POST-INSTALLED ANCHORS:	Type	Performed By	Code References and Notes
a. Inspect installation of post-installed anchors	See Notes	SI*	1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), 1705A.3.8 (See Appendix (end of this form) for exemptions), ACI 308-14 Sections 17.8 & 26.13. *May be performed by the project inspector when specifically approved by DSA.
b. Test post-installed anchors.	Test	LOR	1910A.5. (See Appendix (end of this form) for exemptions)

SIA1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES

Test or Special Inspection	Type	Performed By	Code References and Notes
a. Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	Periodic	*	Table 1705A.2.1 Item 3a, 3c, 2202A.1; AISI S100-20 Section A3.1 & A3.2; AISI S240-20 Section A3.8 & A5; AISI S229-20 Section A4.1 & 4.4. *By special inspector or qualified technician when performed off-site.
b. Test unidentified materials	Test	LOR	2202A.1.
c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.
d. Verify and document steel fabrication per DSA-approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).

SIA3. WELDING:

Test or Special Inspection	Type	Performed By	Code References and Notes
a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.

SIA4. SHOP WELDING (IN ADDITION TO SECTION SIA3):

Test or Special Inspection	Type	Performed By	Code References and Notes
a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1, 4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.

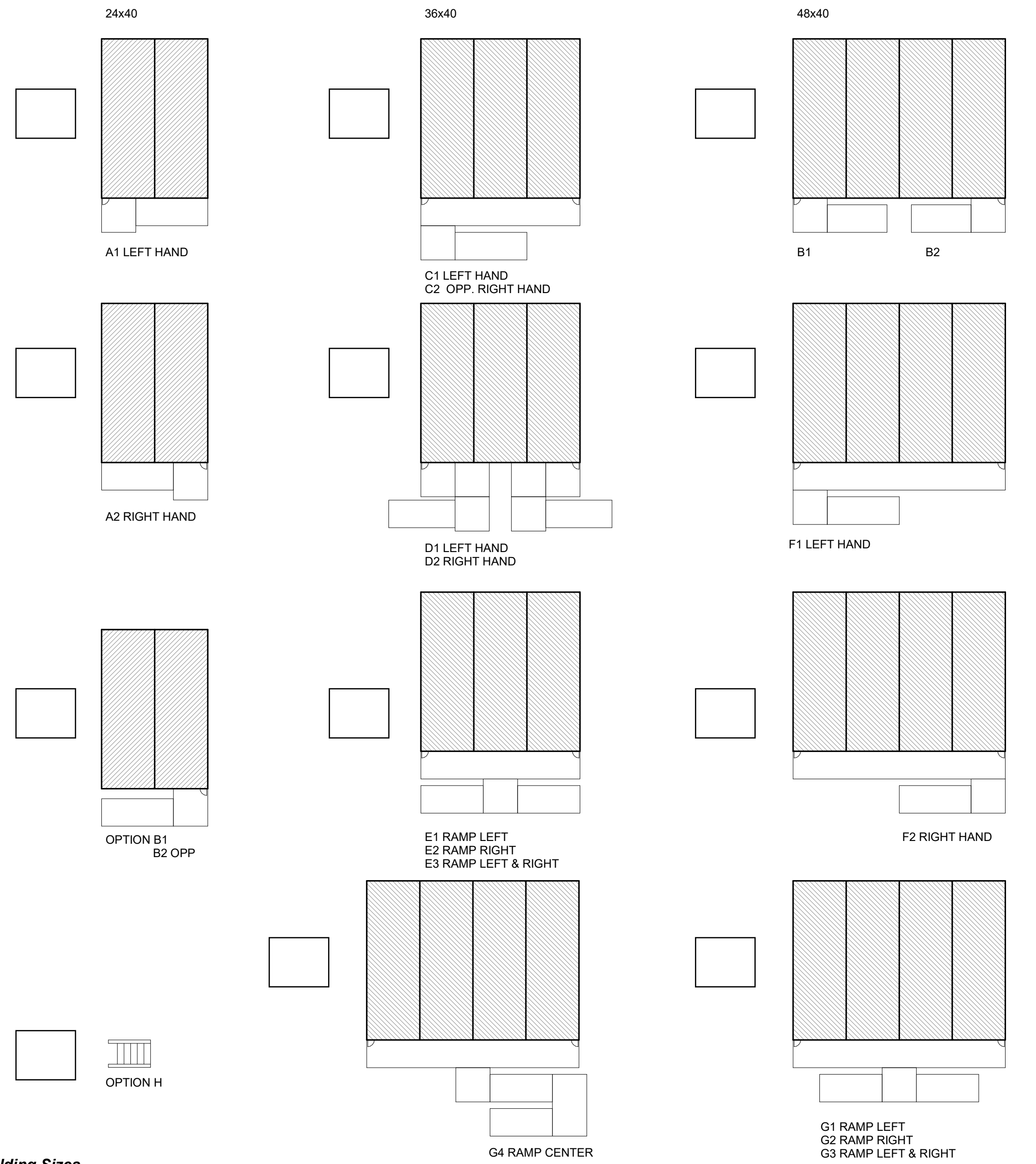
1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291

2. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

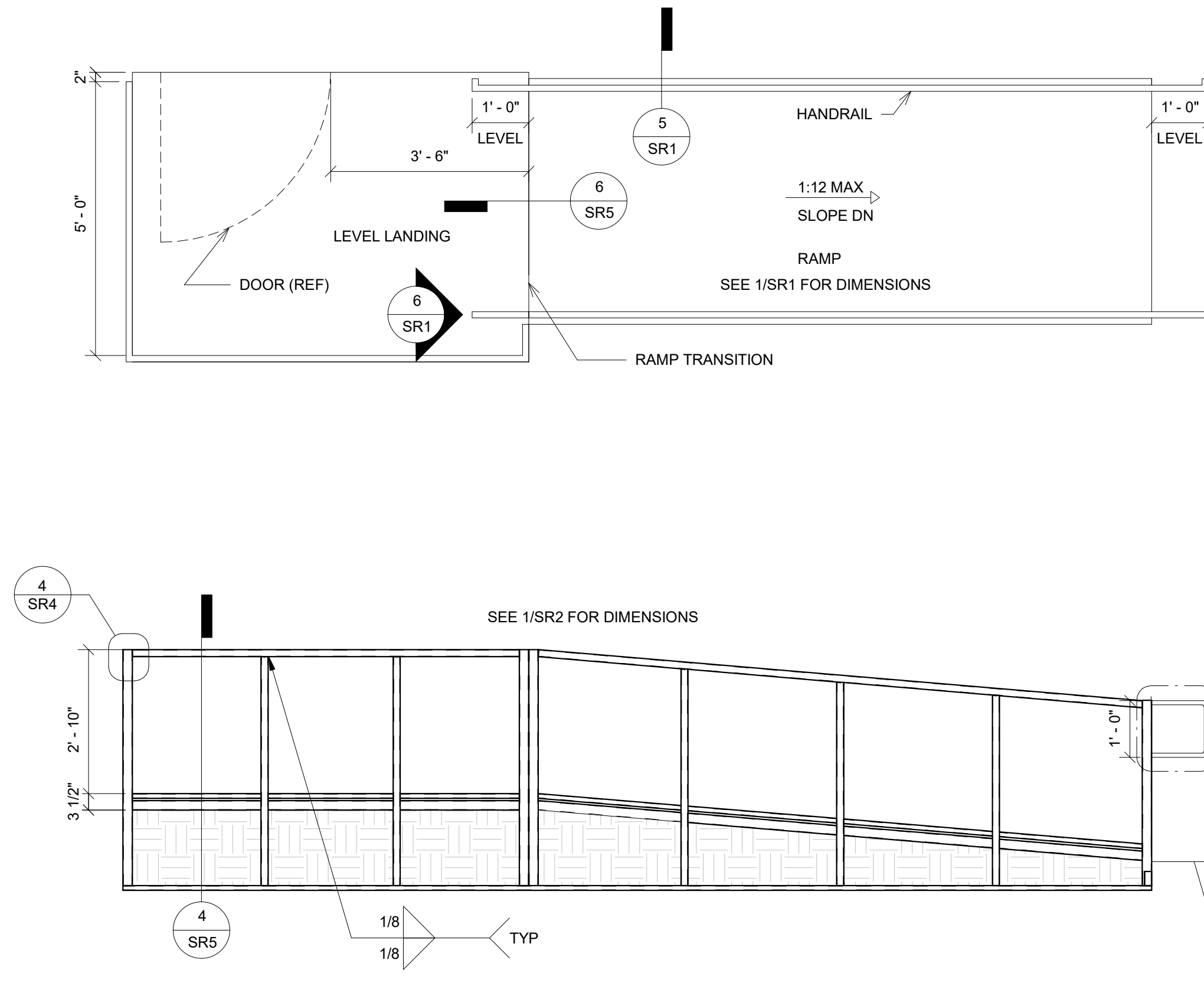
THE EXAMPLE OF FORM DSA-103s SHOWN ON THIS SHEET ARE FOR ILLUSTRATION PURPOSE ONLY. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND ALL EXAMPLE FORM DSA-103s ARE TO BE CROSSED OUT ON THIS DRAWING.

Ramp Option Schedule:

- option 1 : ramp & landing @ building (plan view 1/SR1)
- option 2 : ramp and landing with offset ramp (plan view 2/SR1)
- option 3: ramp and platform landing (plan view 3/SR1)
- option 4 : ramp and landing with switch back ramp (plan view 4/SR1)

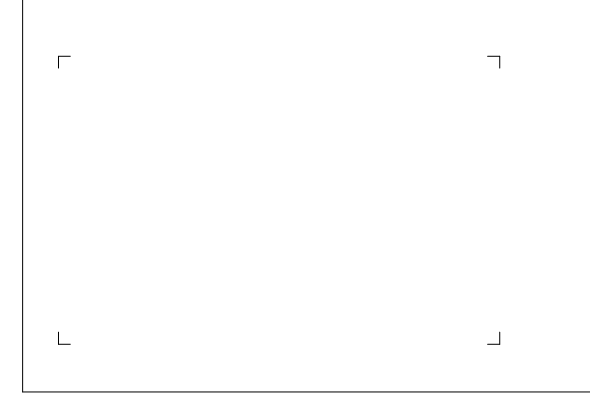


2 Ramps Options w/ Different Building Sizes

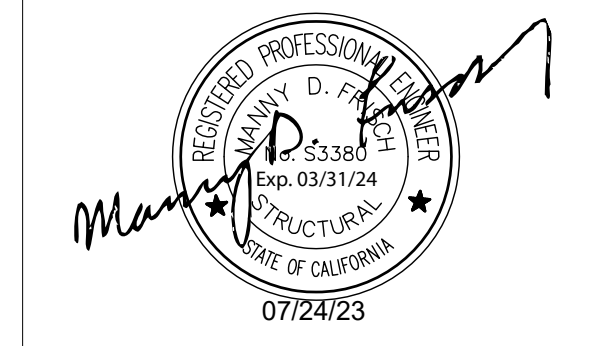


3 1/2" = 1'-0" Standard Ramp

PROJECT SPECIFIC STATE AGENCY APPROVAL



PROFESSIONAL STAMP

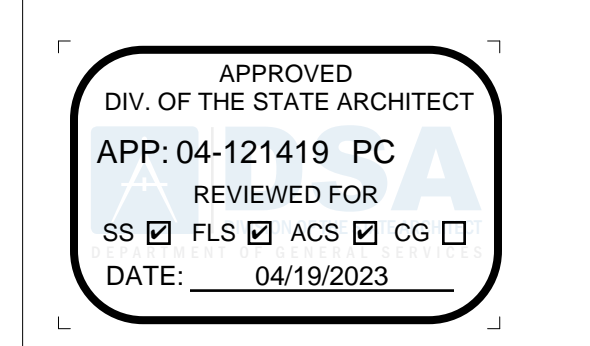


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ORIGINAL PC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date
22079		

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-121419

SHEET TITLE
Module Plan and Notes (COVER SHEET)

PROJECT NUMBER
22079

DRAWN BY
SM

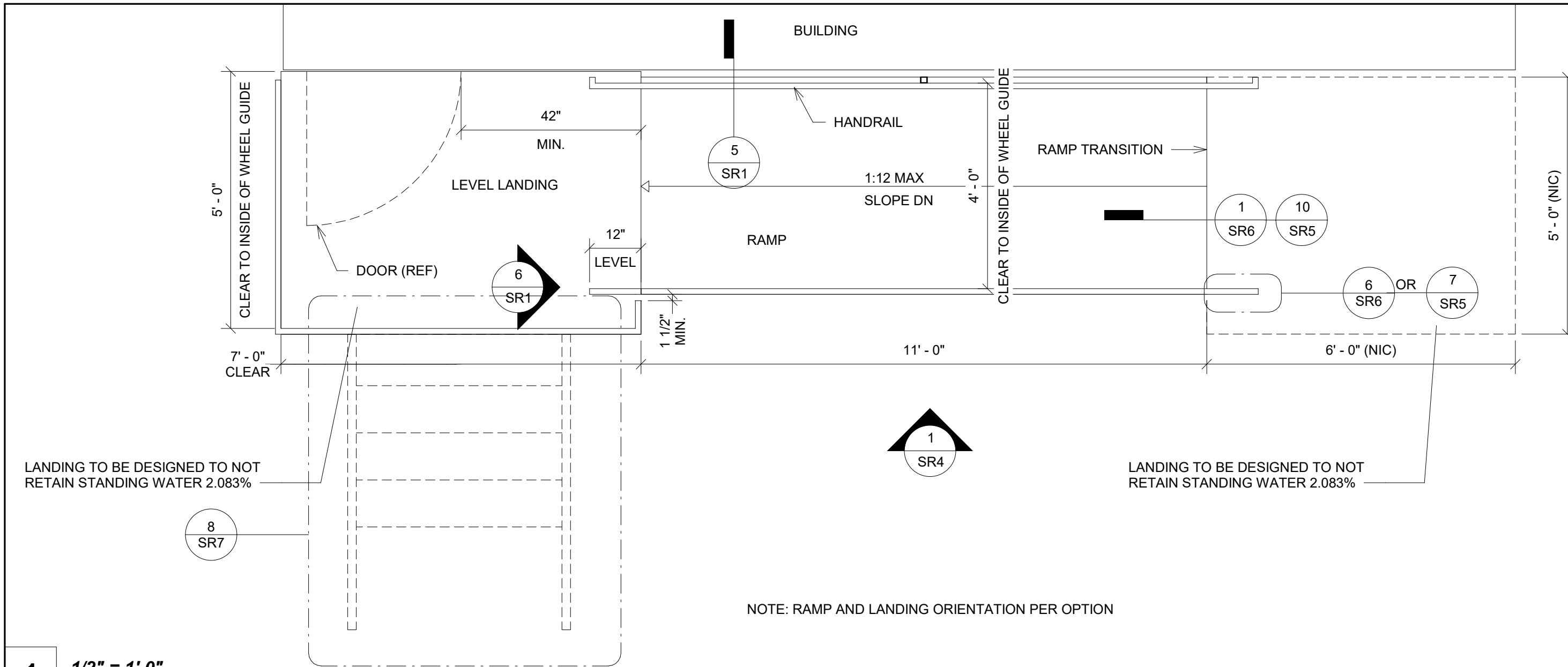
CHECKED BY
rMc

DATE
6/15/2021

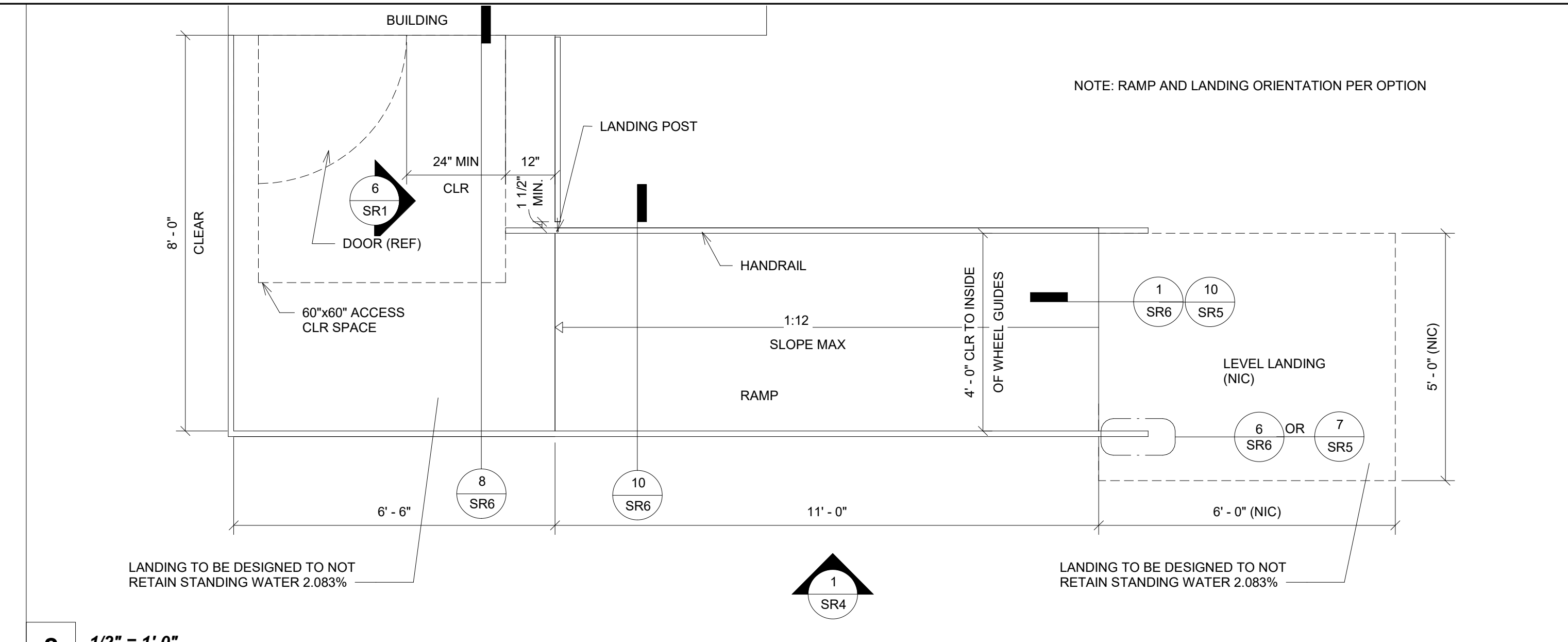
SHEET NO.
SR0

SHEET OF

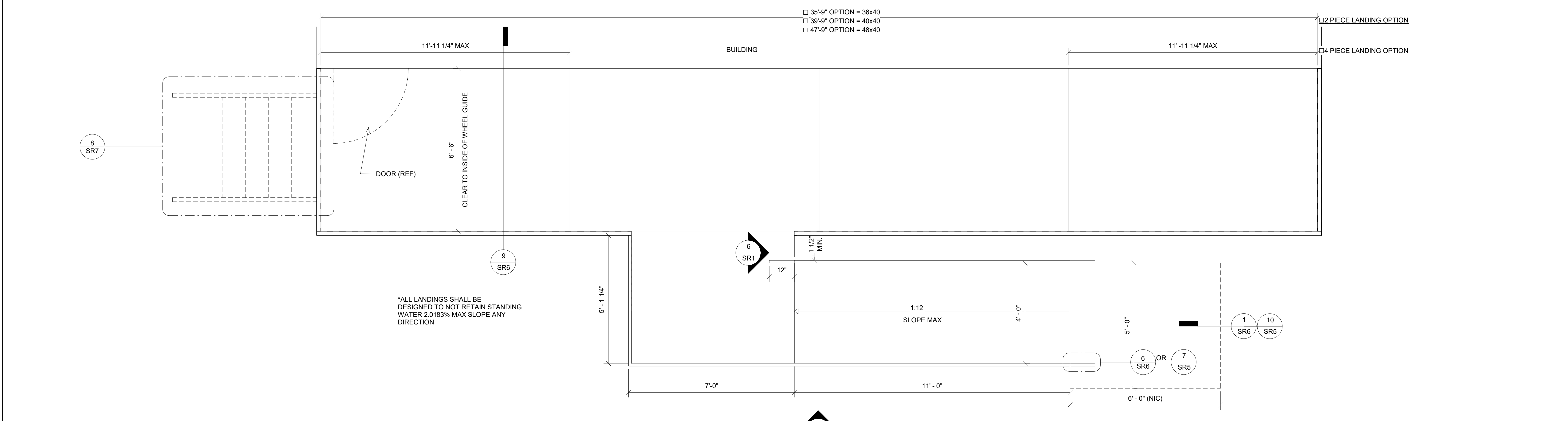
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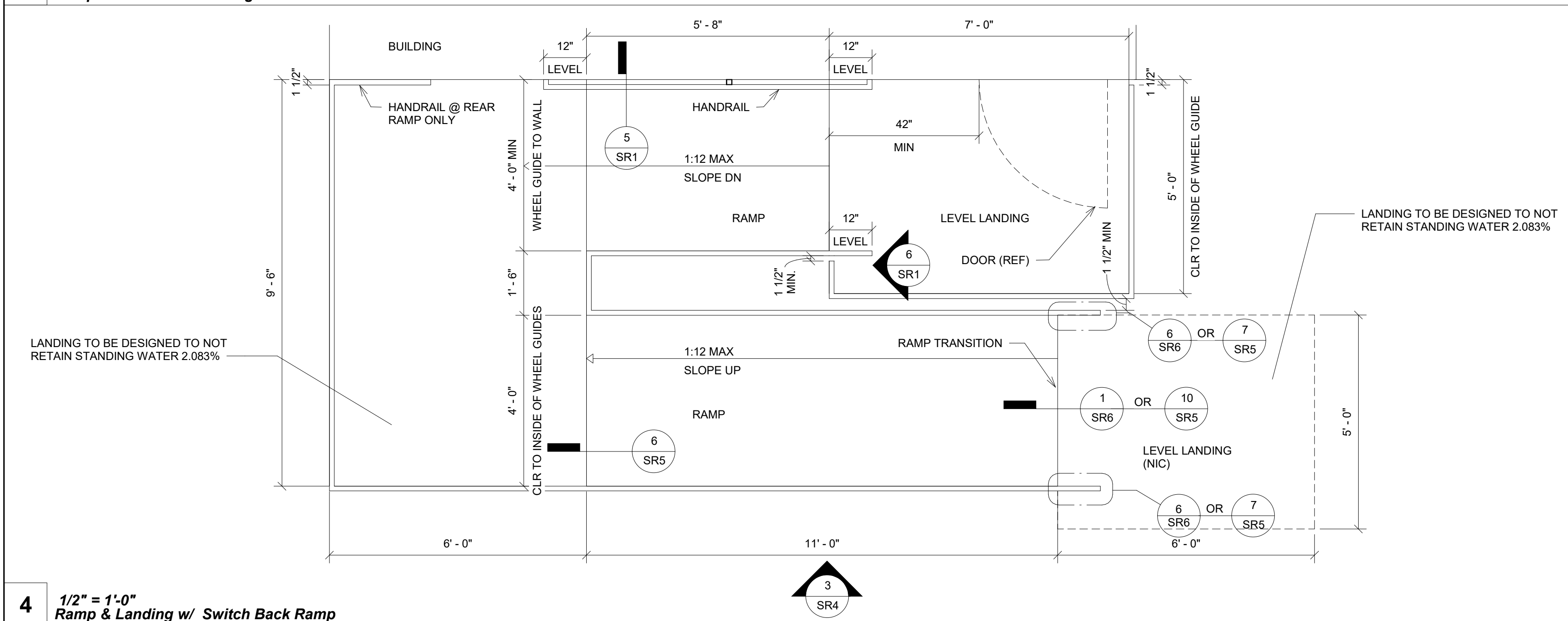
1 1/2" = 1'-0"
Ramp & Landing @ Building



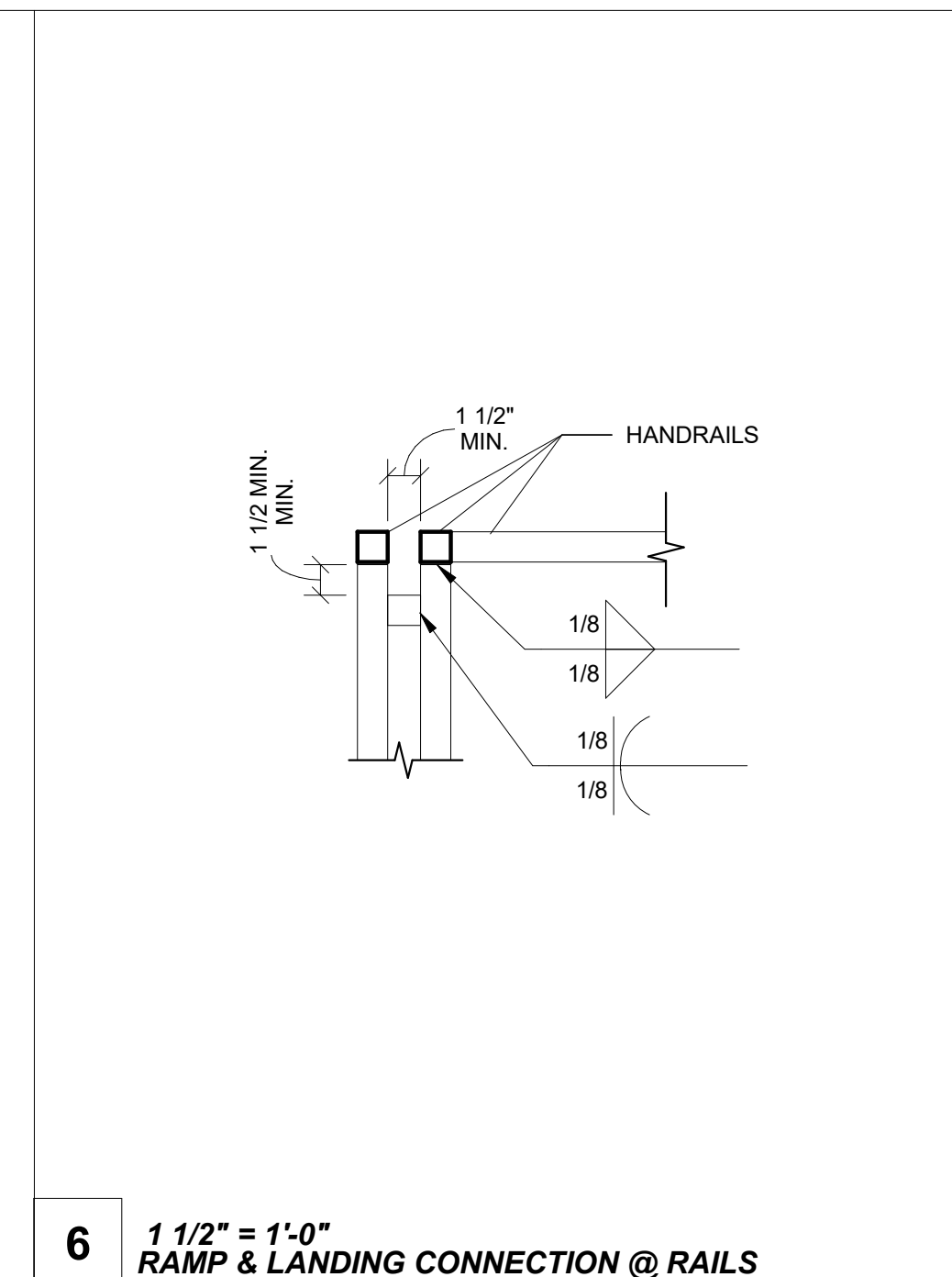
2 1/2" = 1'-0"
Ramp & Landing w/ Offset Ramp



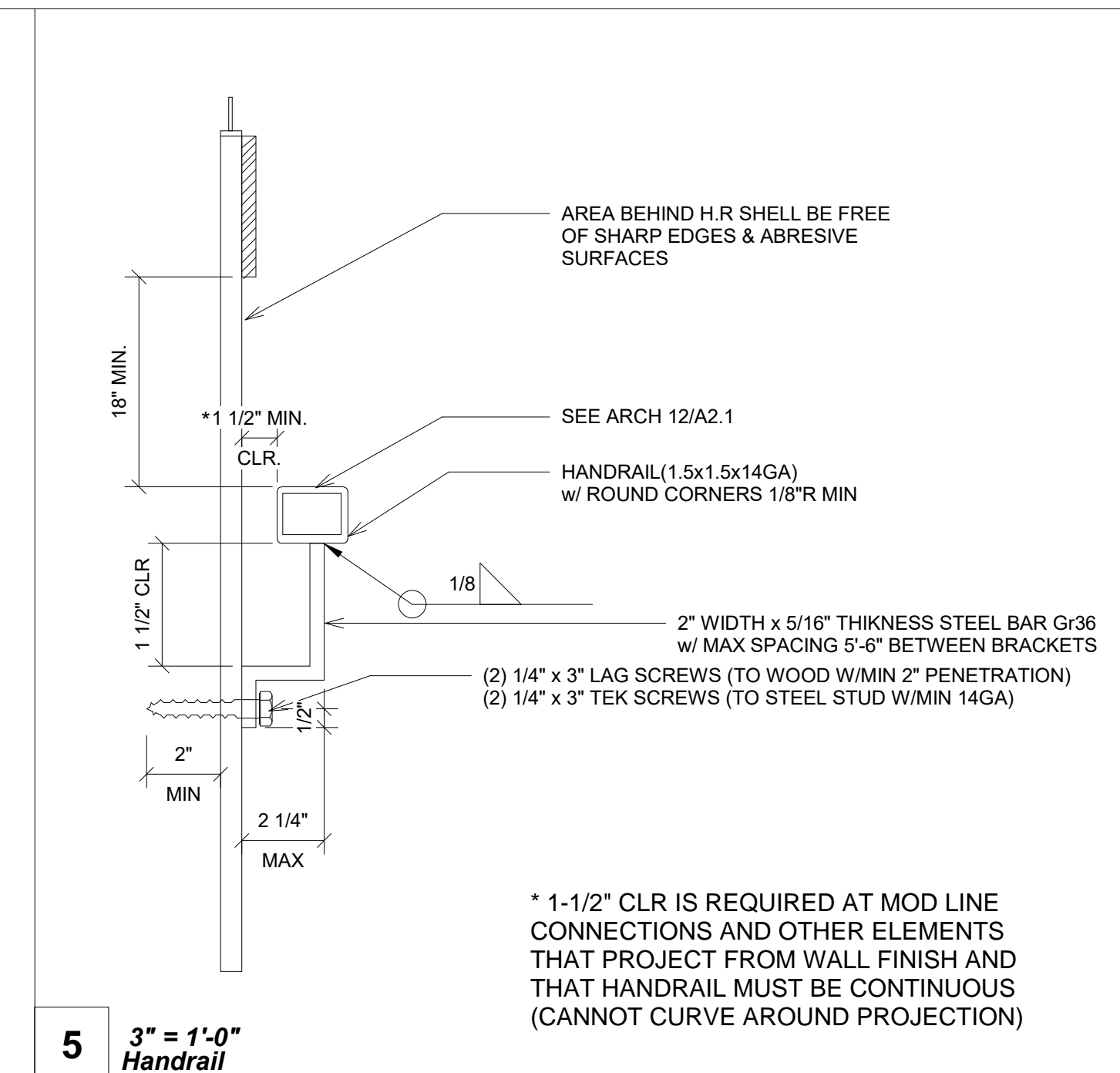
3 1/2" = 1'-0"
Ramp and Platform Landing



4 1/2" = 1'-0"
Ramp & Landing w/ Switch Back Ramp

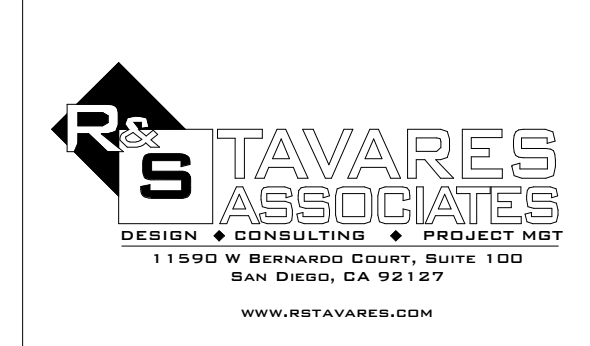


6 1 1/2" = 1'-0"
RAMP & LANDING CONNECTION @ RAILS

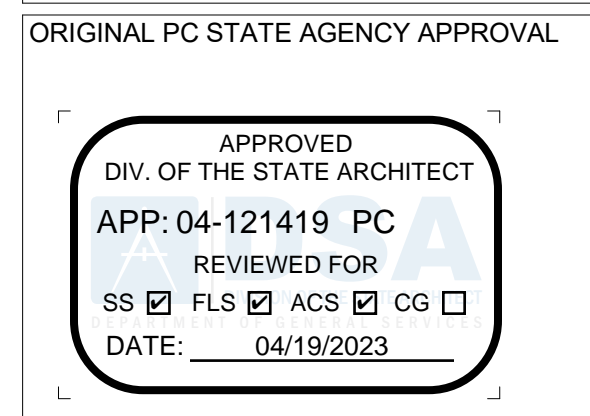


5 3" = 1'-0"
Handrail

PROJECT SPECIFIC STATE AGENCY APPROVAL



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Revision Schedule		
#	Description	Date
		22079

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-121419

SHEET TITLE
Ramp and Landing Plan

PROJECT NUMBER
22079

DRAWN BY
SM

CHECKED BY
rMc

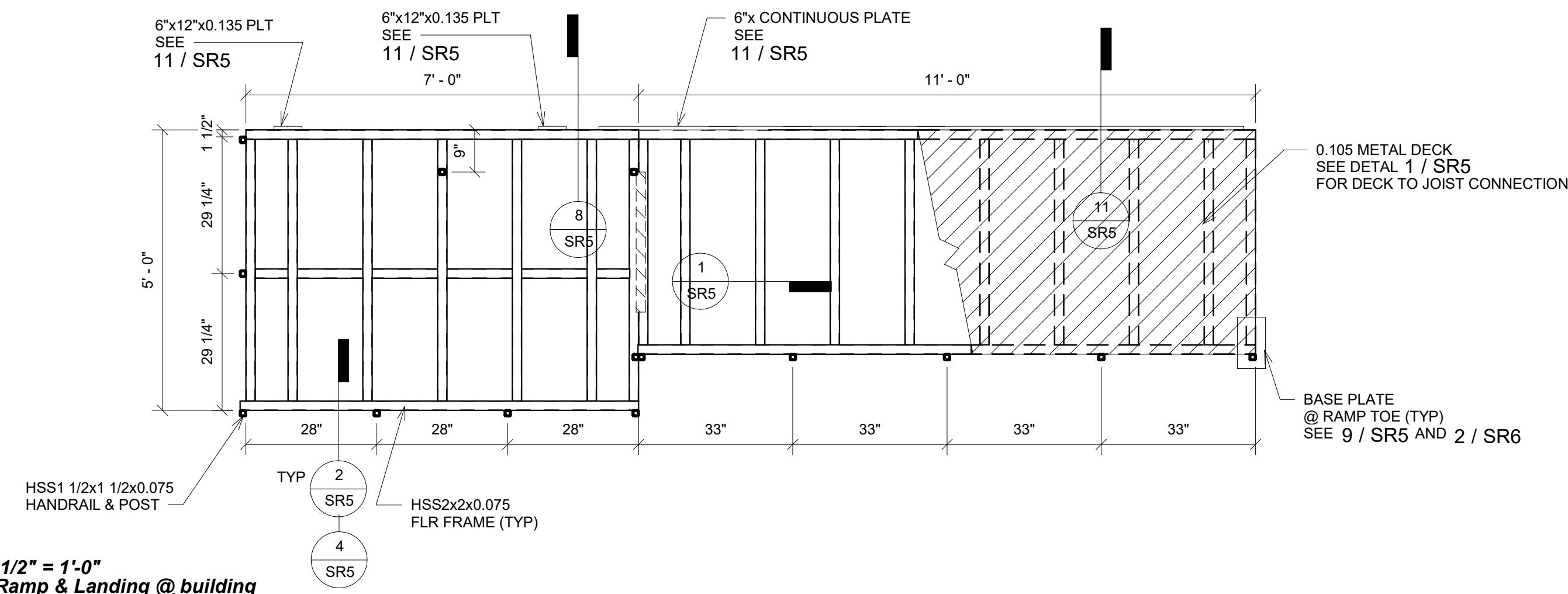
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12/23/2022

SHEET NO.
SR1

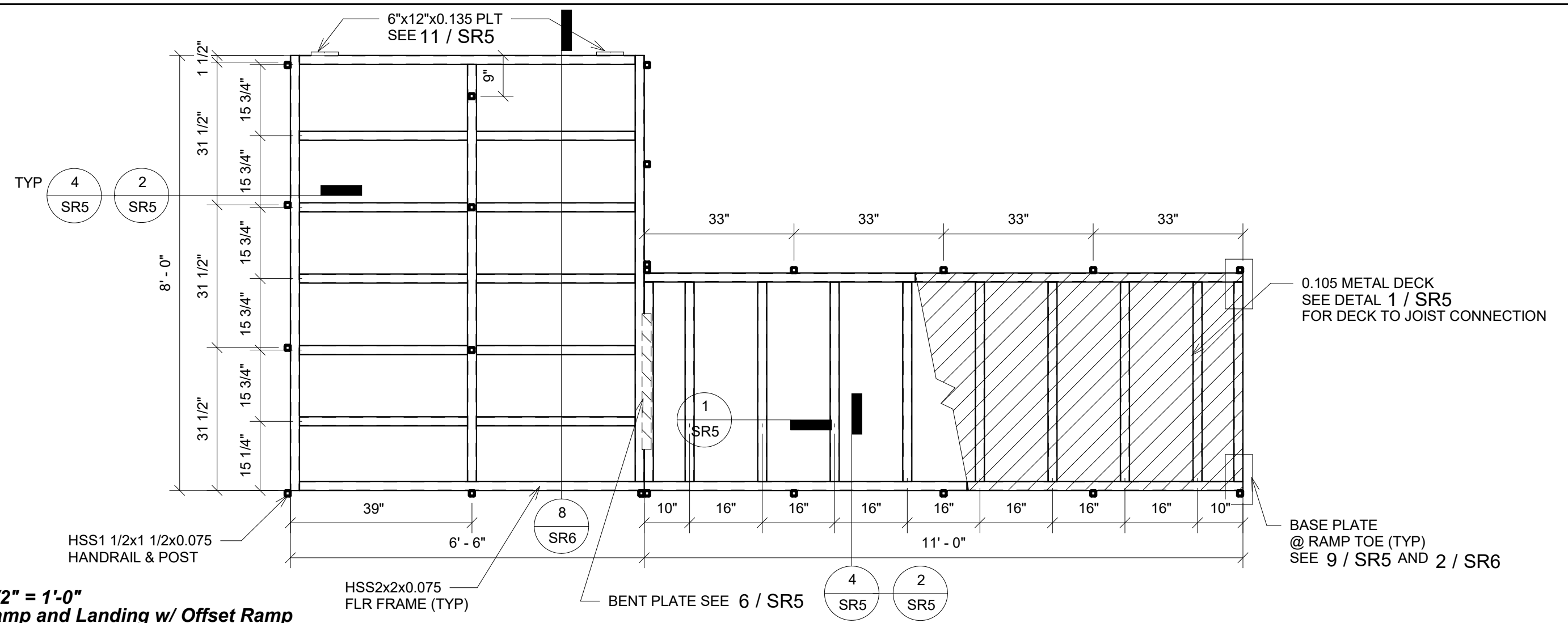
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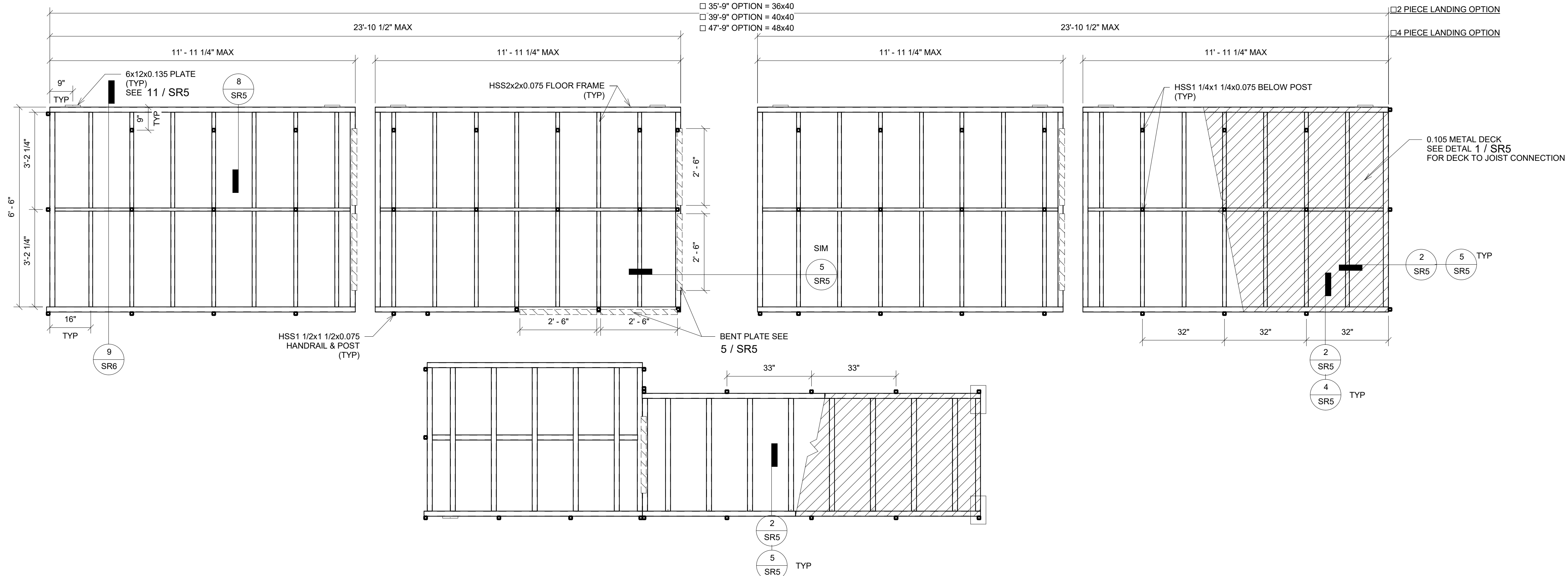
1 1/2" = 1'-0"
Ramp & Landing @ building



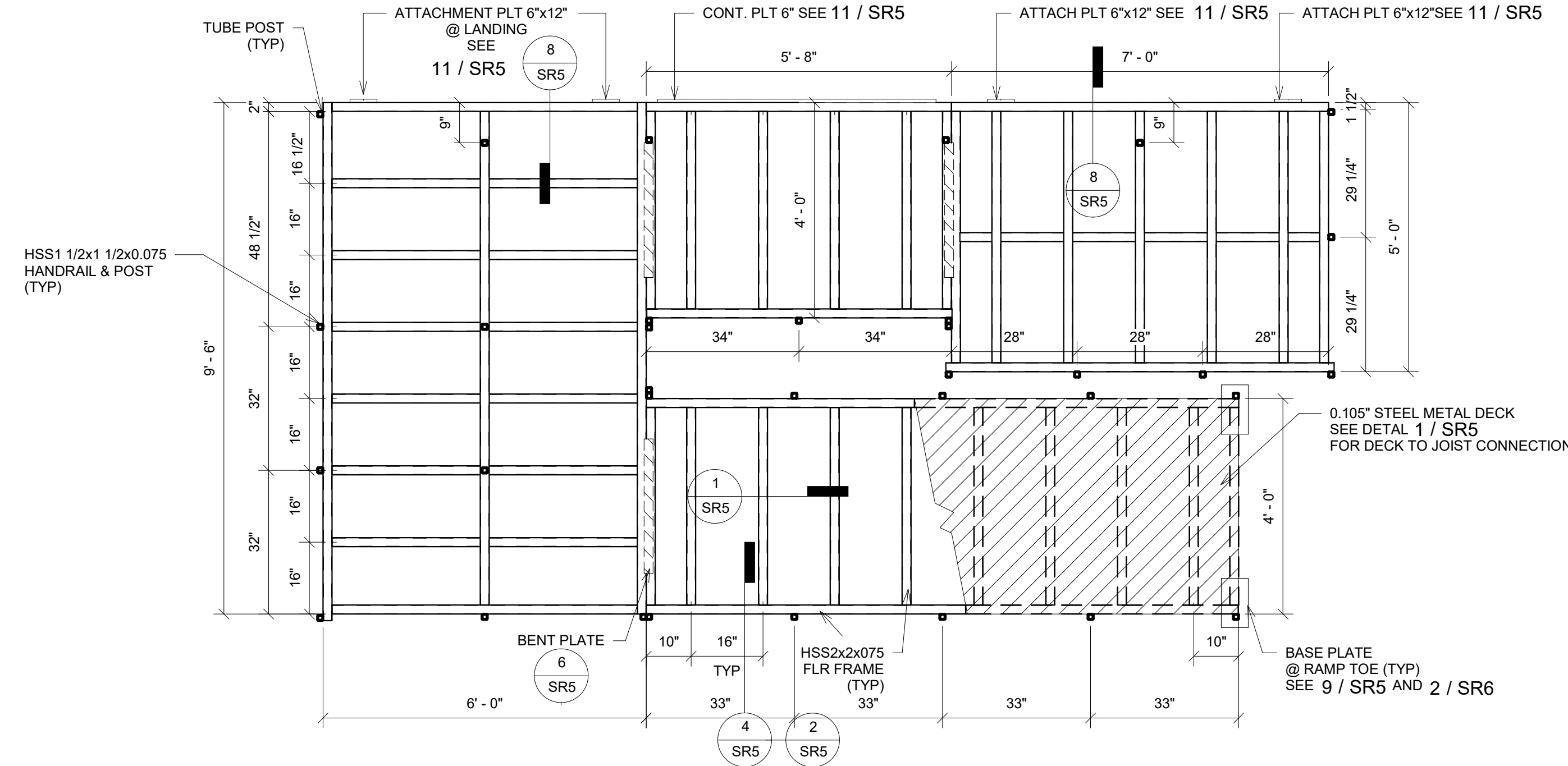
2 1/2" = 1'-0"
Ramp and Landing w/ Offset Ramp



3 1/2" = 1'-0"
Ramp & Platform Landing Frame



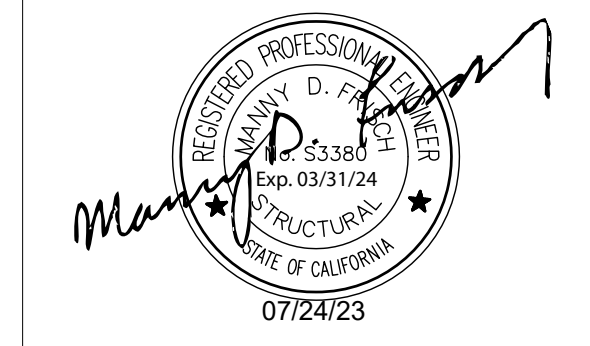
4 1/2" = 1'-0"
Ramp & Landing w/ Switch Back Ramp



PROJECT SPECIFIC STATE AGENCY APPROVAL



PROFESSIONAL STAMP

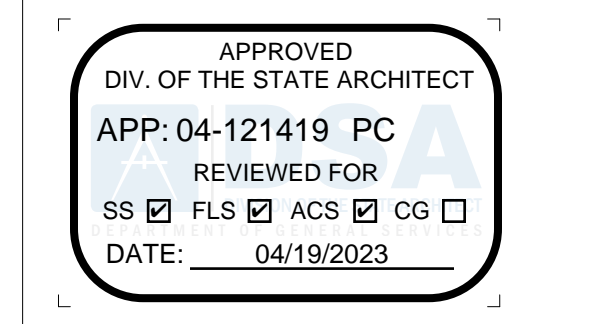


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ORIGINAL PC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date
22079		

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-121419

SHEET TITLE
Ramp and Landing Framing

PROJECT NUMBER
22079

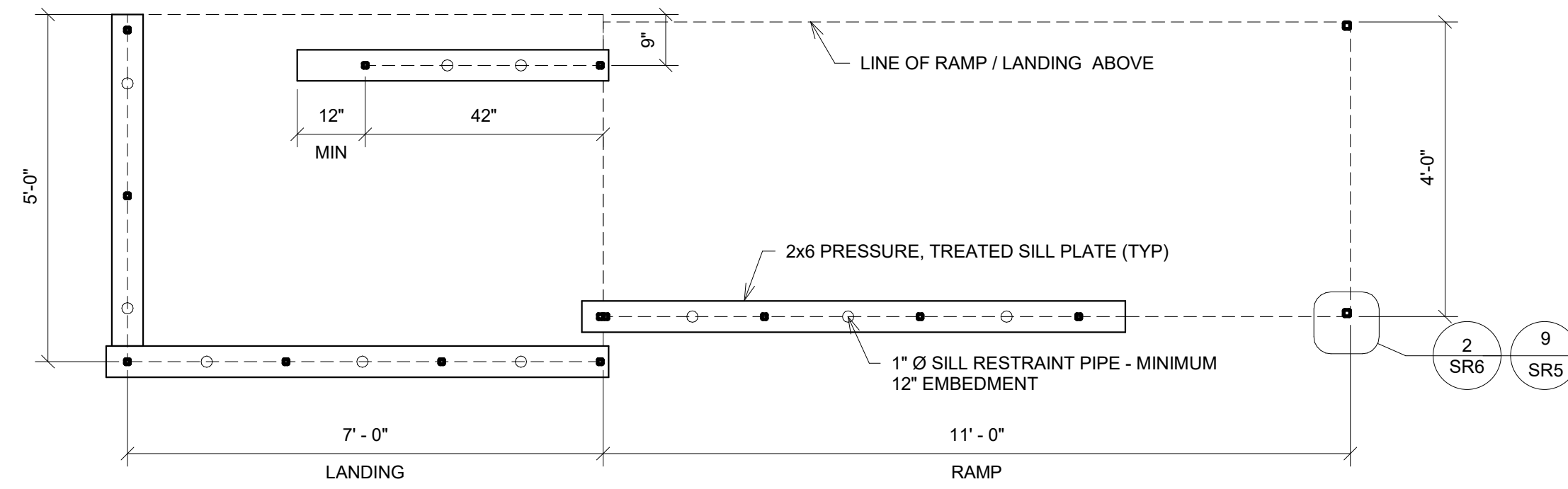
DRAWN BY
SM

CHECKED BY
BR/rMc

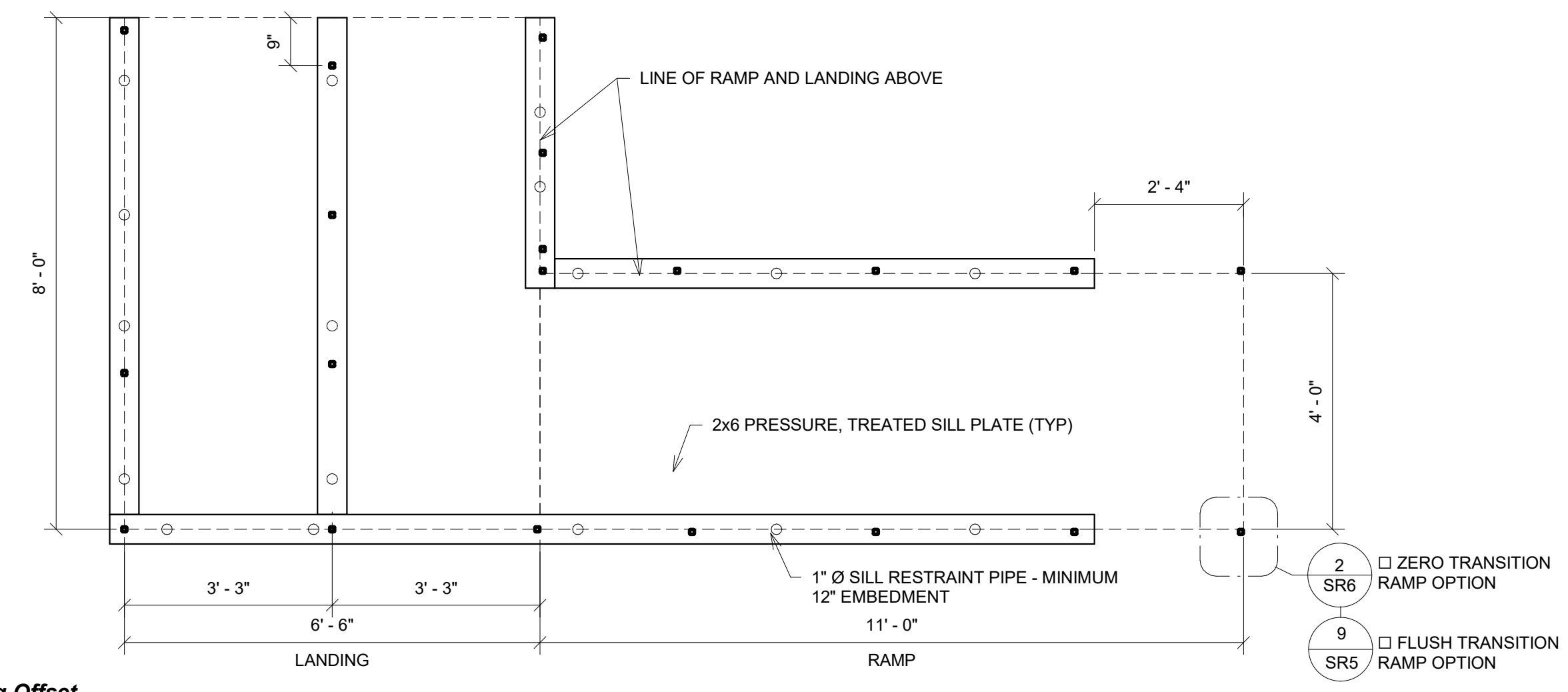
DATE
12/23/2022

SHEET NO.
SR2

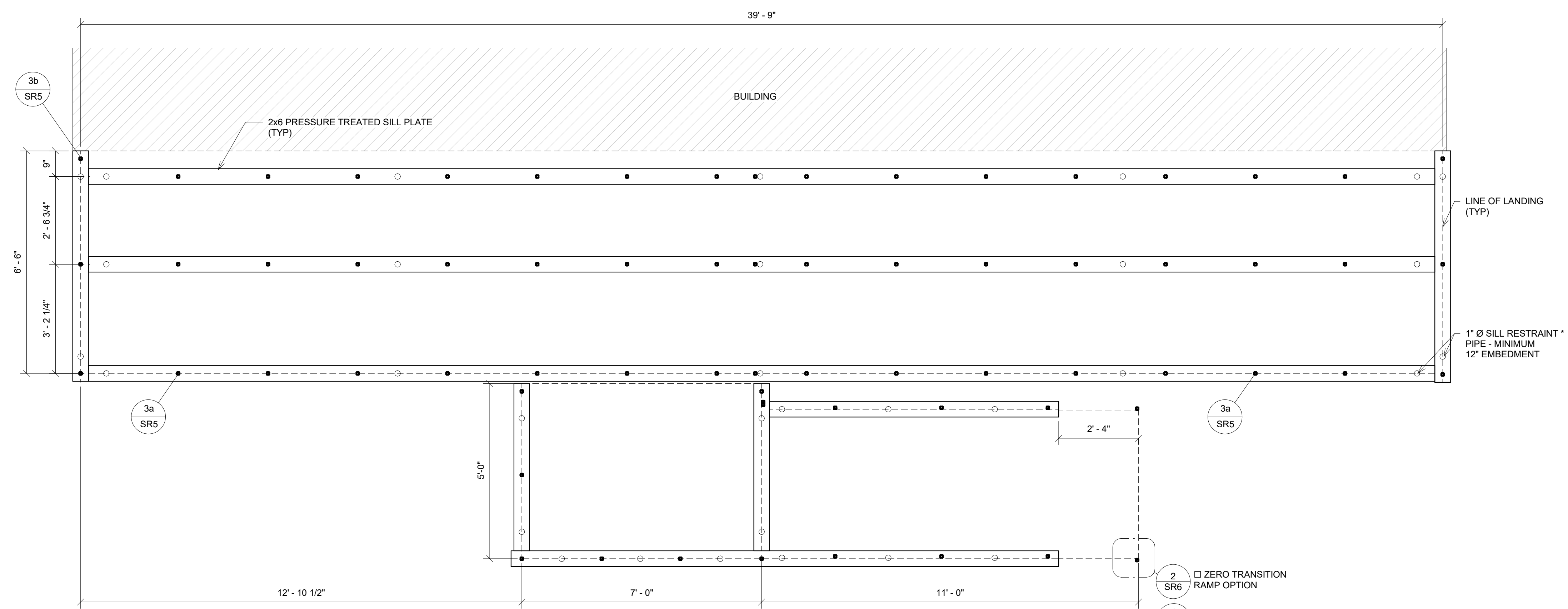
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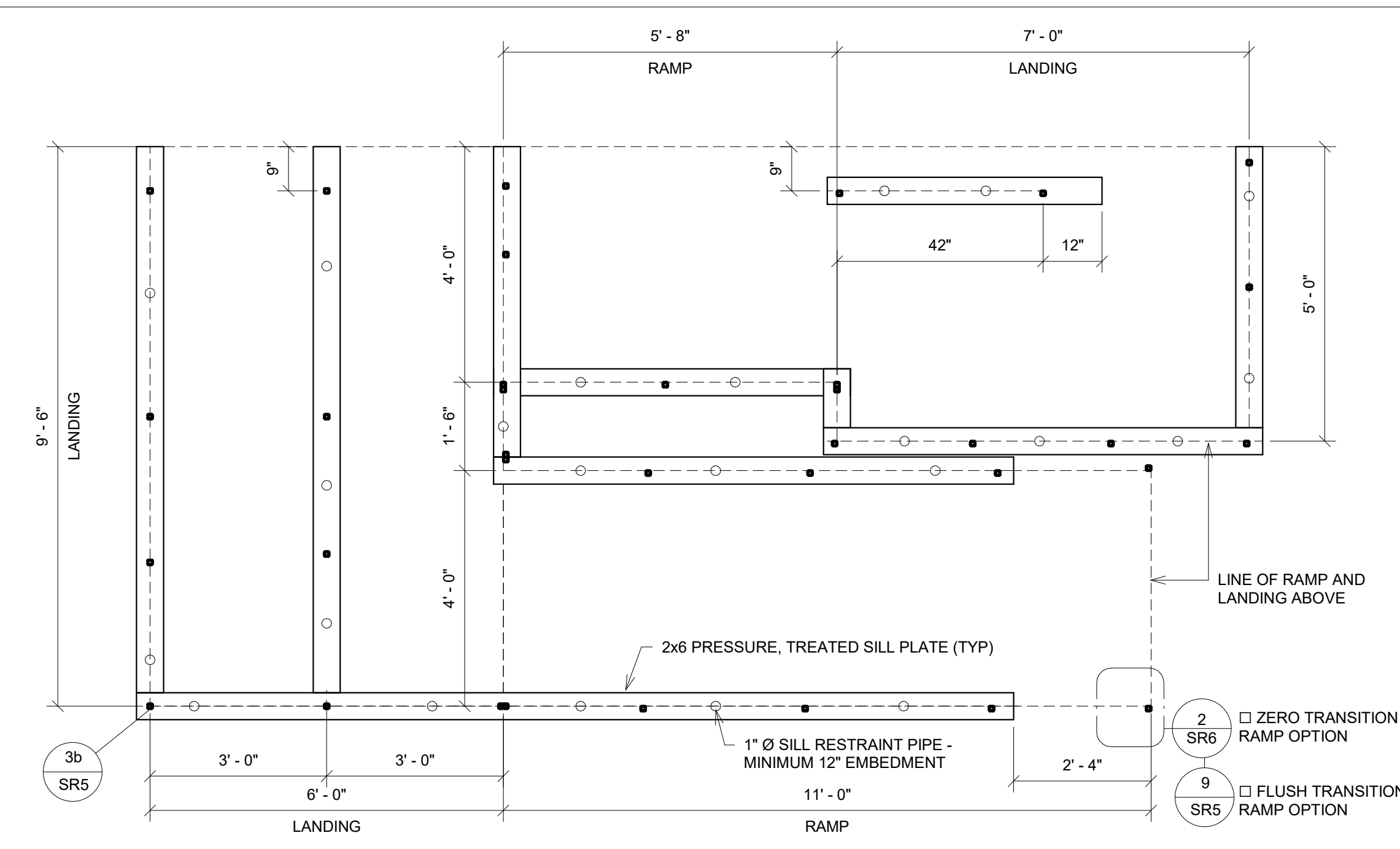
1 1/2" = 1'-0"
Sill Plan For Ramp & Landing



2 1/2" = 1'-0"
Sill Plan For Ramp & Landing Offset



3 1/2" = 1'-0"
Platform Sill Plan For Ramp & Landing



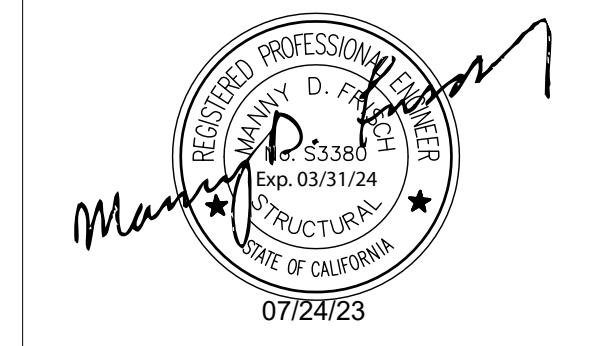
4 1/2" = 1'-0"
Sill Plan For Ramp & Landing Switchback

RESTRAINING PIPES / RODS SPECS
ONE INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL 0.0) NOT DIPPED GALVANIZED PIPES OR ONE INCH DIAMETER SOLID STEEL RODS SPACED AT NOT MORE THAN 10'-0" o/c.
ONE PIPE / ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND MINIMUM OF TWO PIPES / RODS PER DISCONTINUOUS FOUNDATION STRIP. PIPES SHOULD PENETRATE INTO SOIL AND/OR PAVING A MIN. OF 12" MEASURED VERTICALLY. PER DSA IR 16-1

PROJECT SPECIFIC STATE AGENCY APPROVAL



PROFESSIONAL STAMP

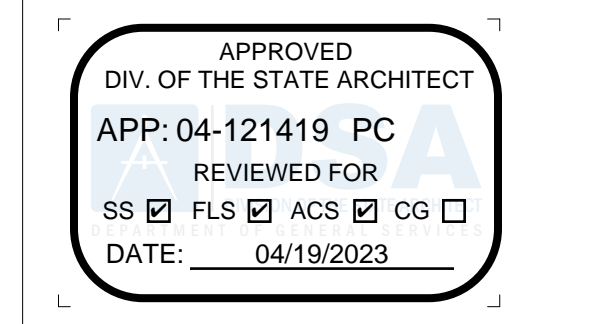


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ORIGINAL PC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date
22079		

PRE-CHECK (PC) DOCUMENT

Code: 2022 CBC

A separate project application for construction is required

PROJECT TITLE

RAMPS PC
CLASS LEASING
PC#04-121419

SHEET TITLE

Foundation Plan

PROJECT NUMBER

22079

DRAWN BY

SM

CHECKED BY

rMc

DATE

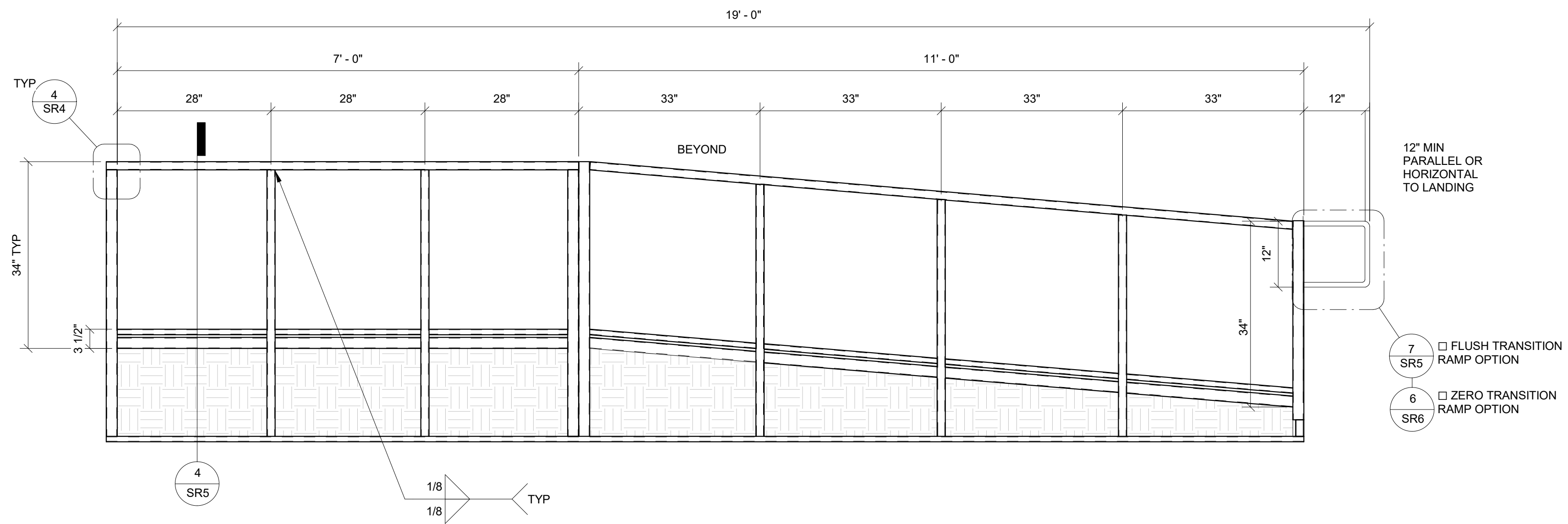
12/23/2022

SHEET NO.

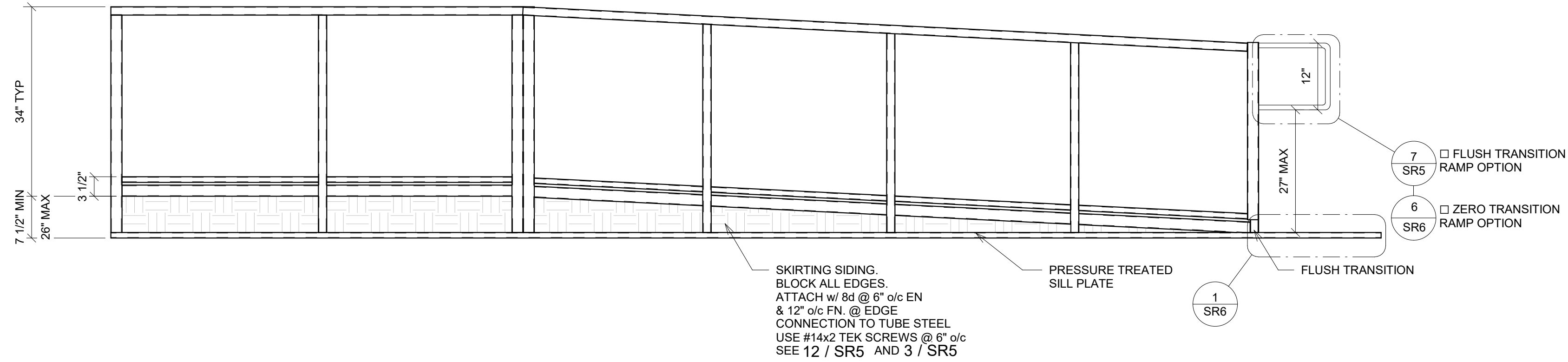
SR3

SHEET OF

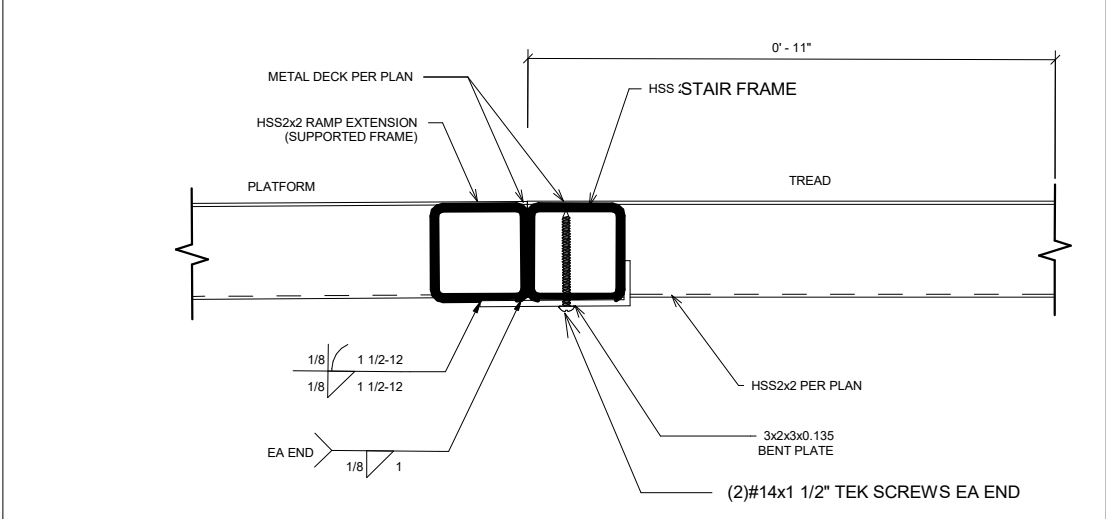
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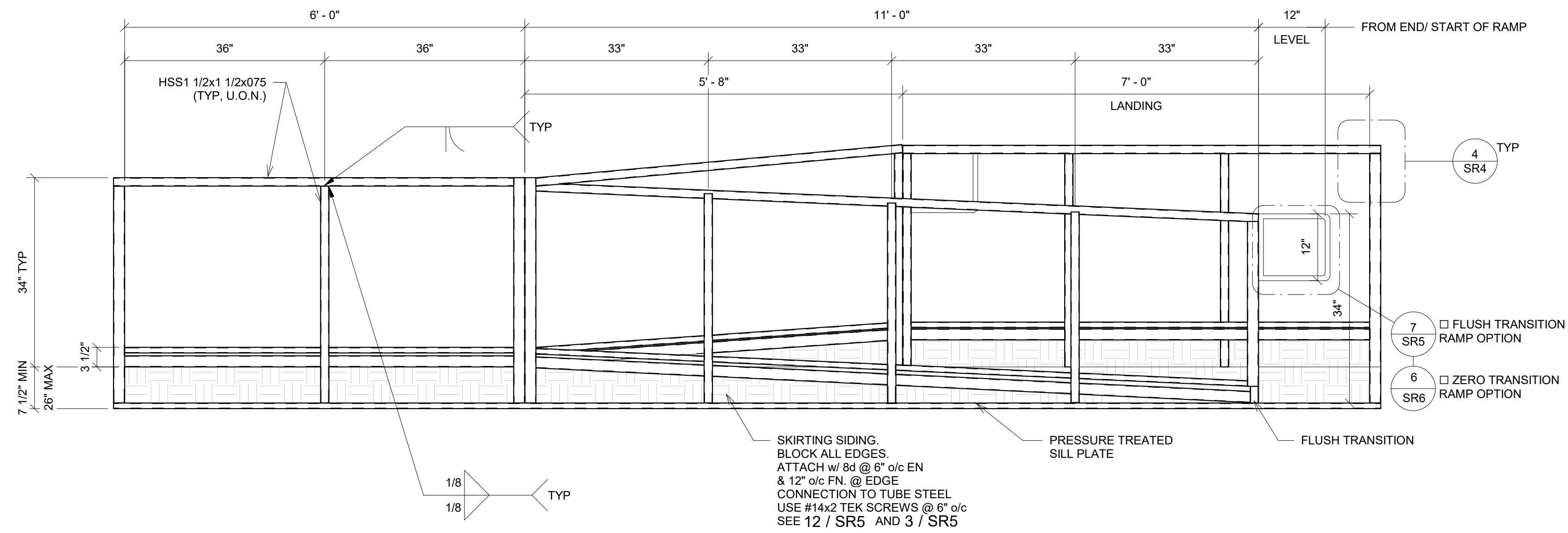
1 3/4" = 1'-0"
Ramp & Landing Elevation



2 3/4" = 1'-0"
Ramp & Landing Elevation Option X Copy 1

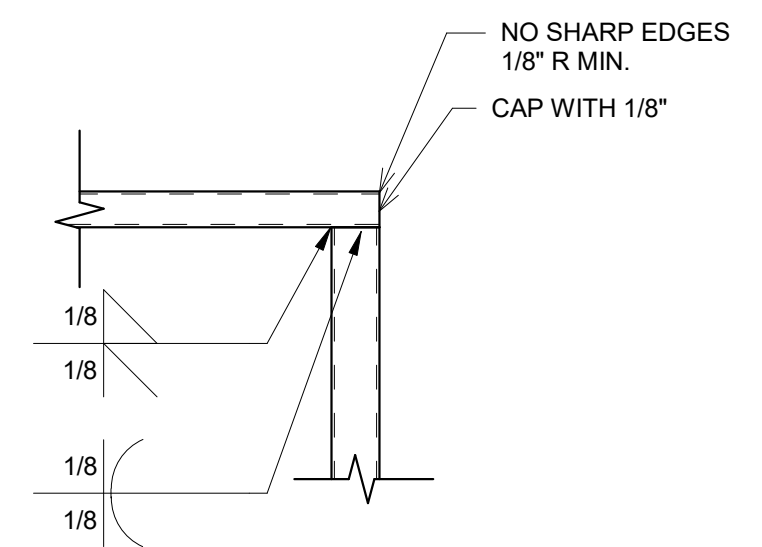


5 3" = 1'-0"
Conn @ Platform



3 3/4" = 1'-0"
Ramp & Landing Elevation Option X

4 1 1/2" = 1'-0"
Ramp & Landing Elevation Option X1 - Callout 1



PROJECT SPECIFIC STATE AGENCY APPROVAL



PROFESSIONAL STAMP

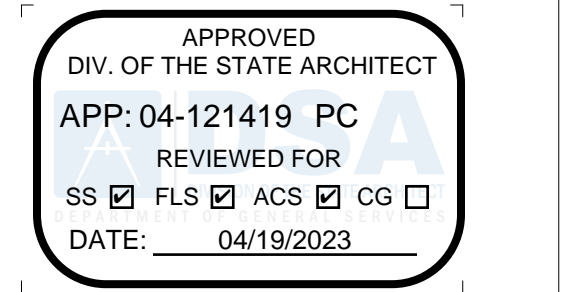


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ORIGINAL PC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date
22079		

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-121419

SHEET TITLE
Ramp and Landing / Stair Framing Elevation

PROJECT NUMBER

22079

DRAWN BY

SM

CHECKED BY

rMc

DATE

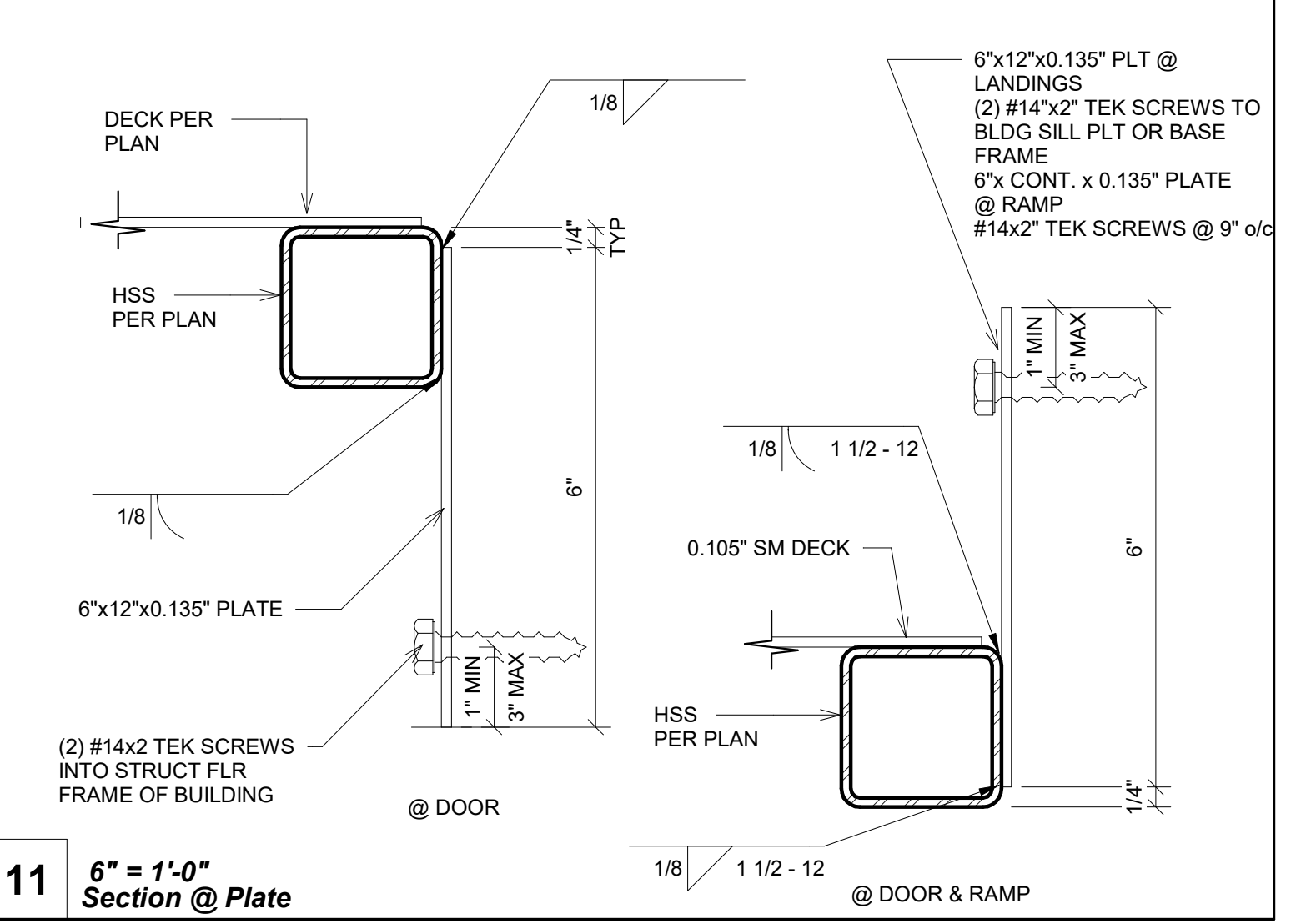
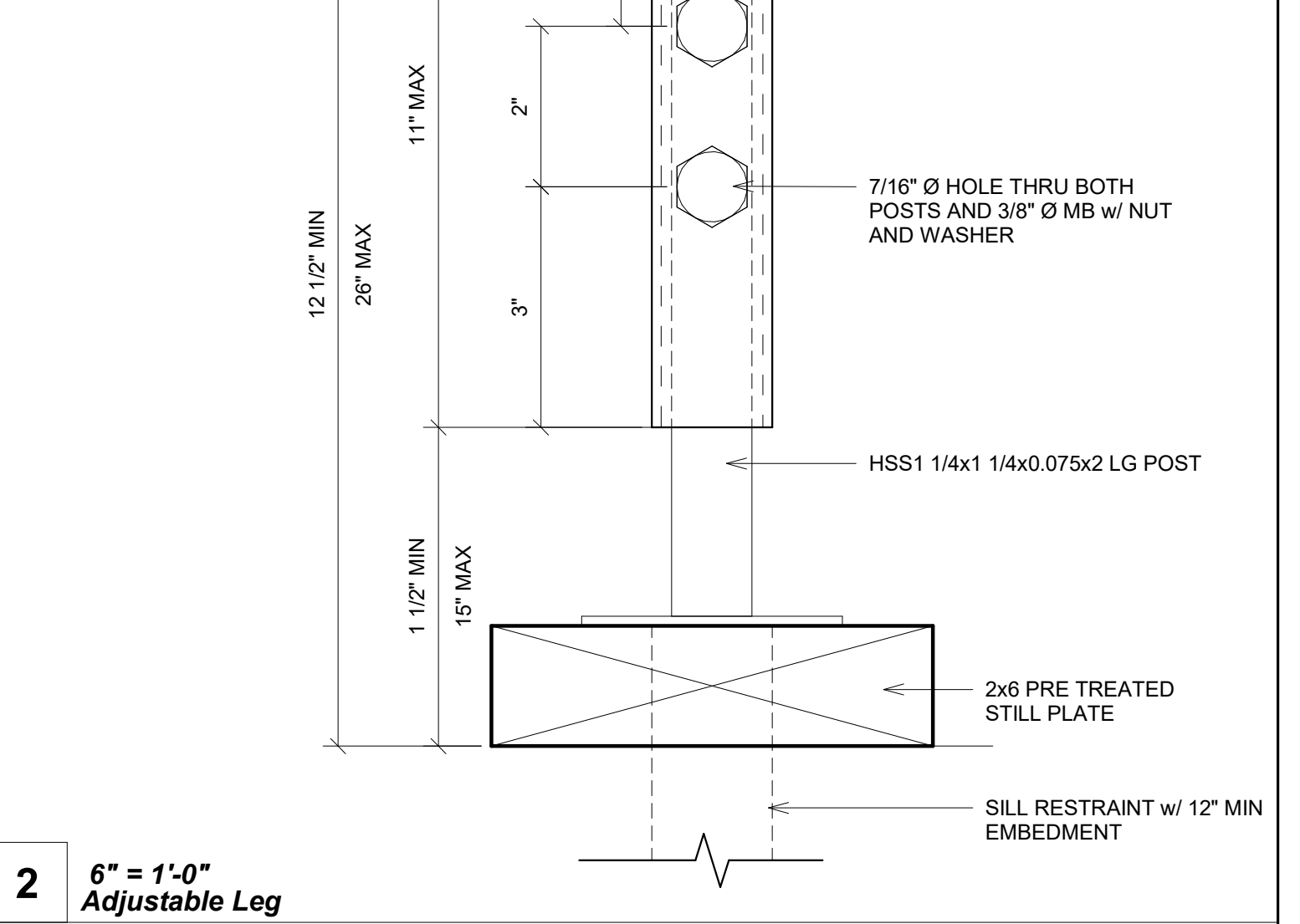
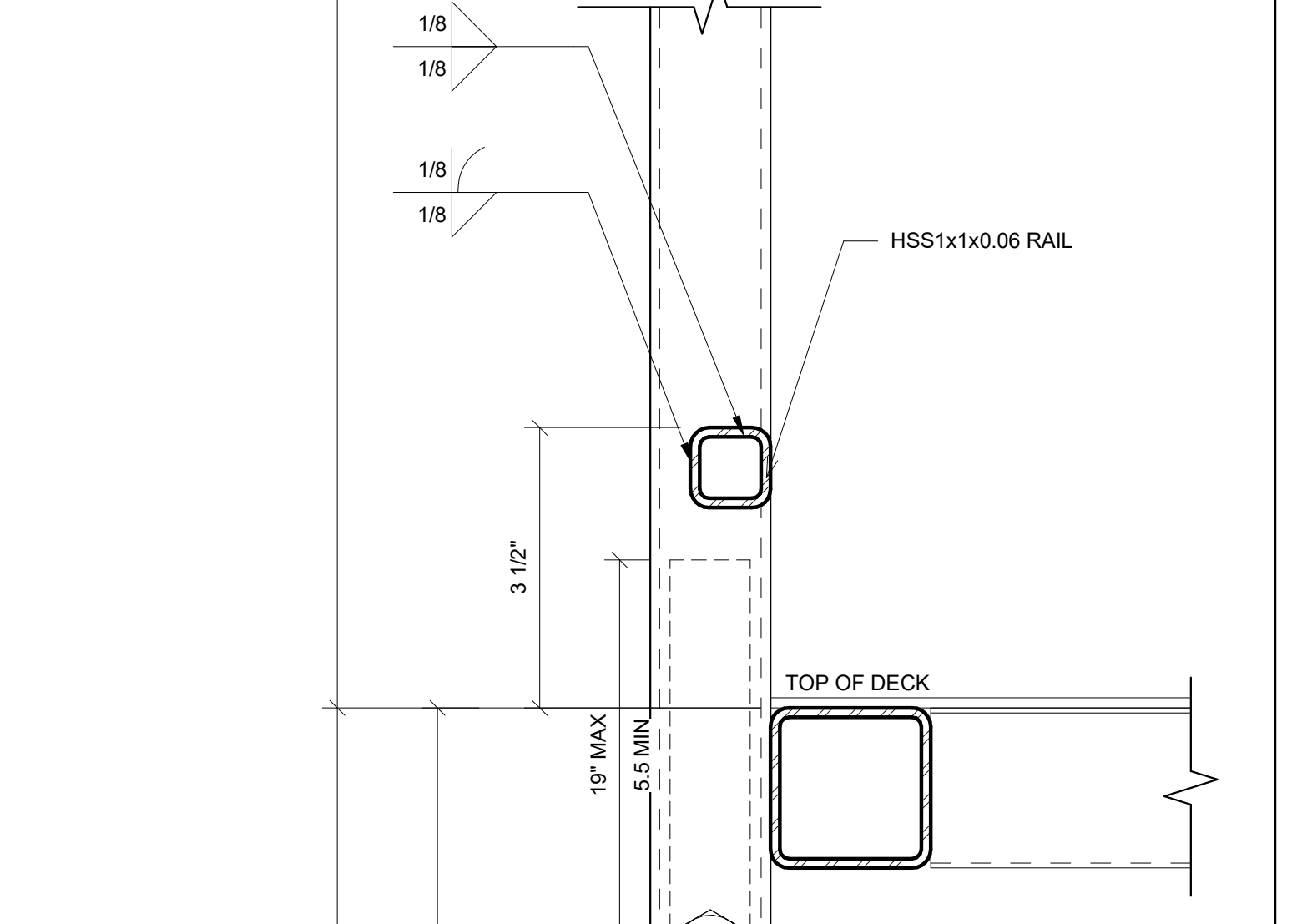
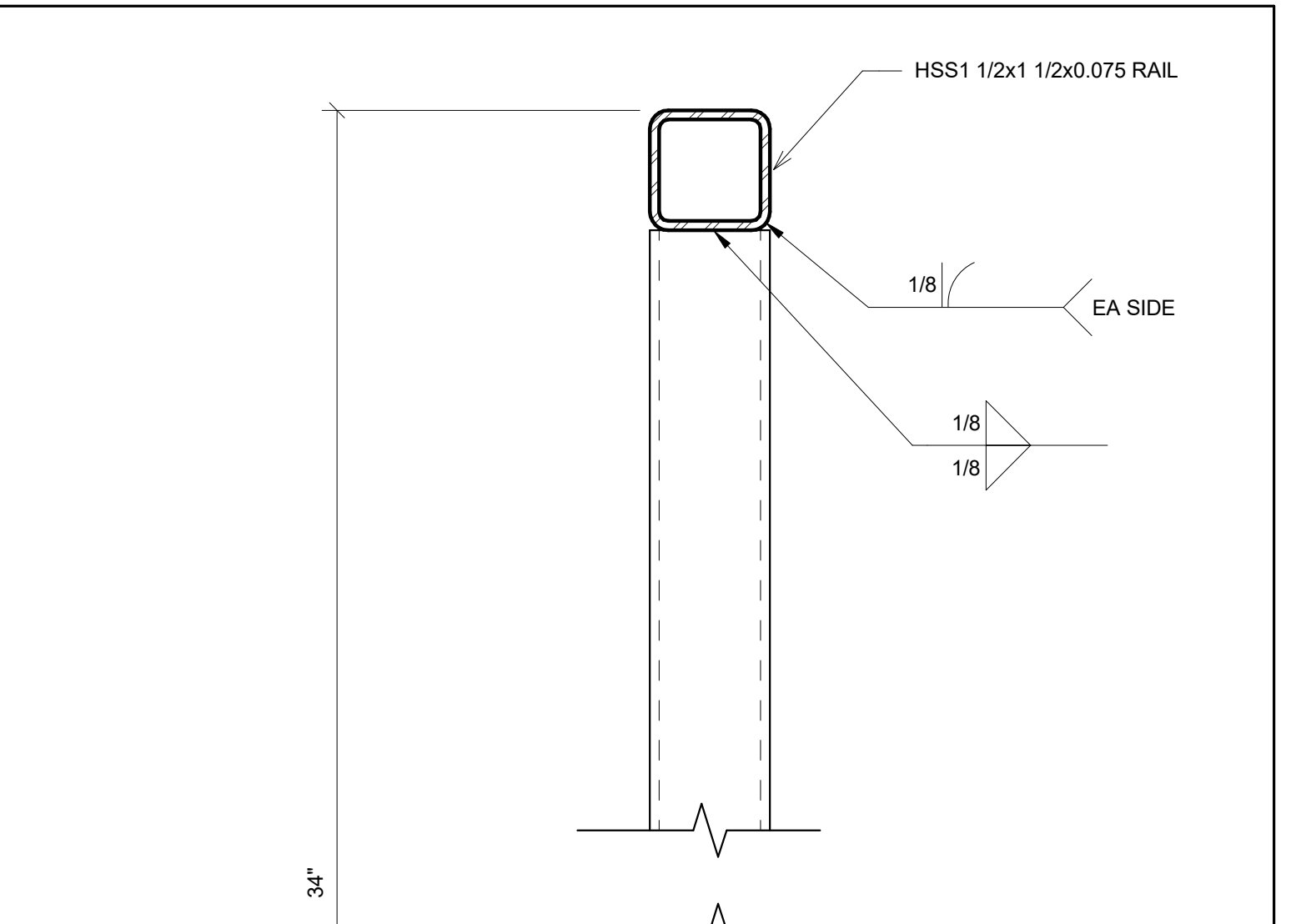
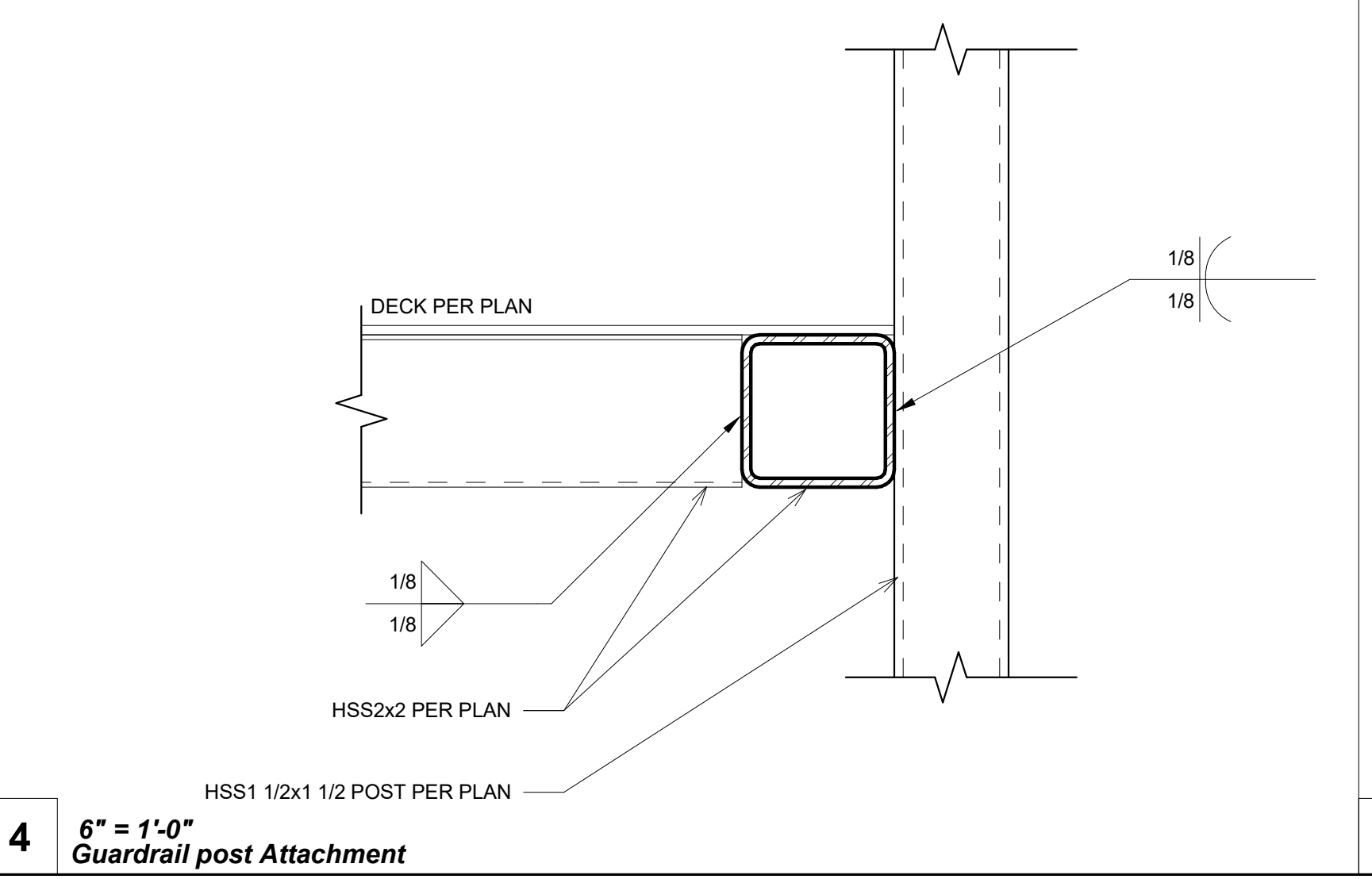
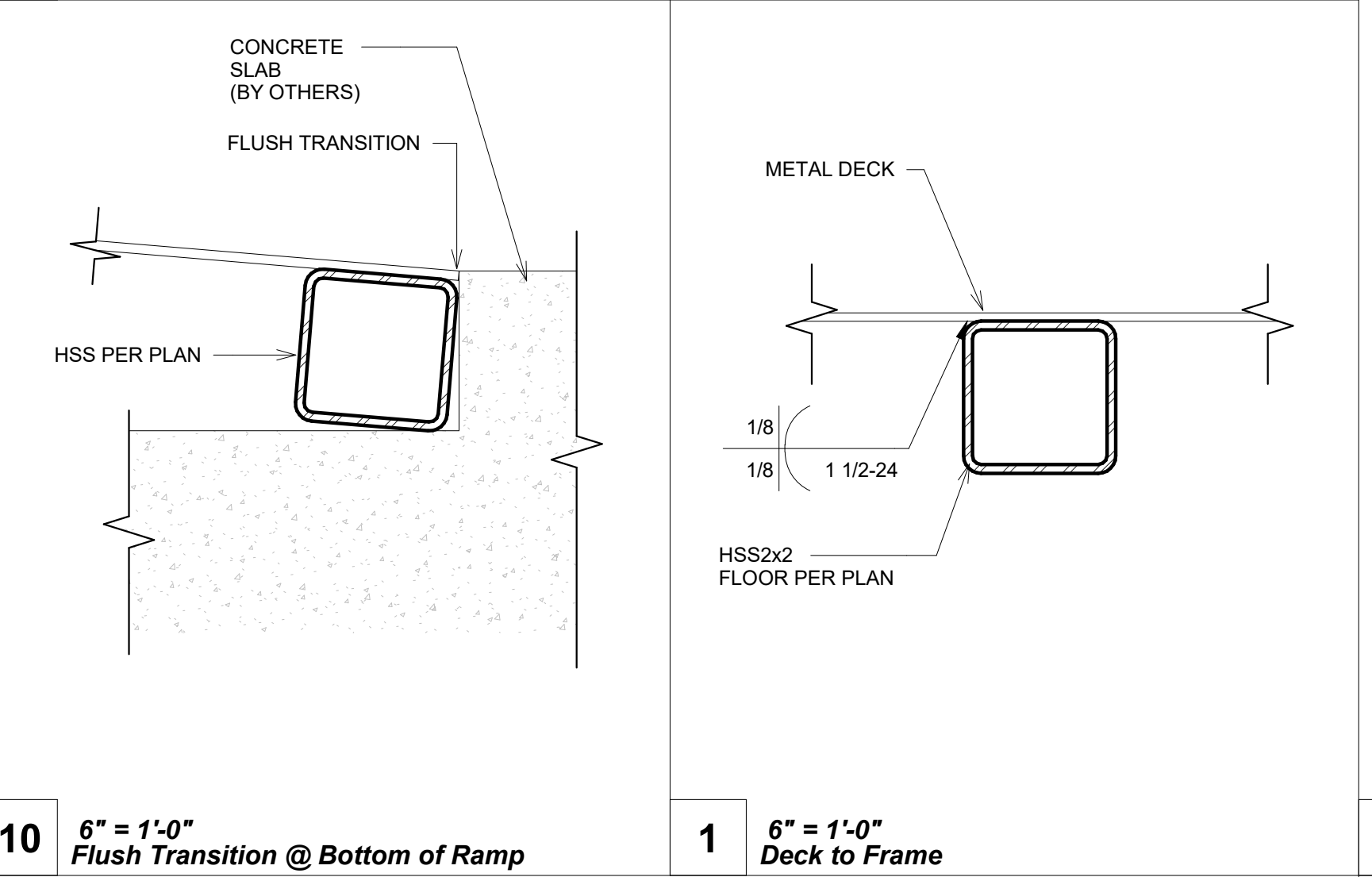
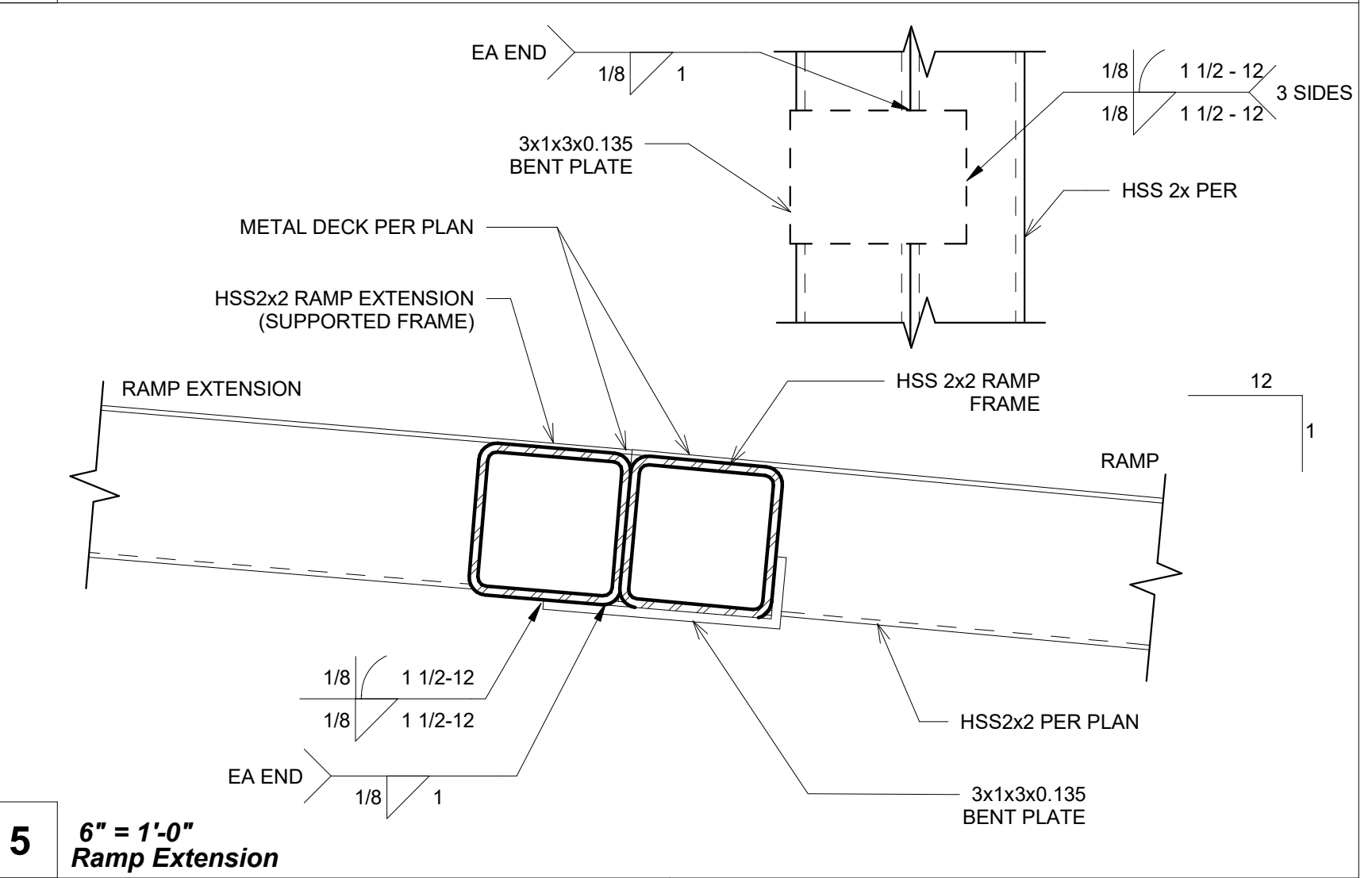
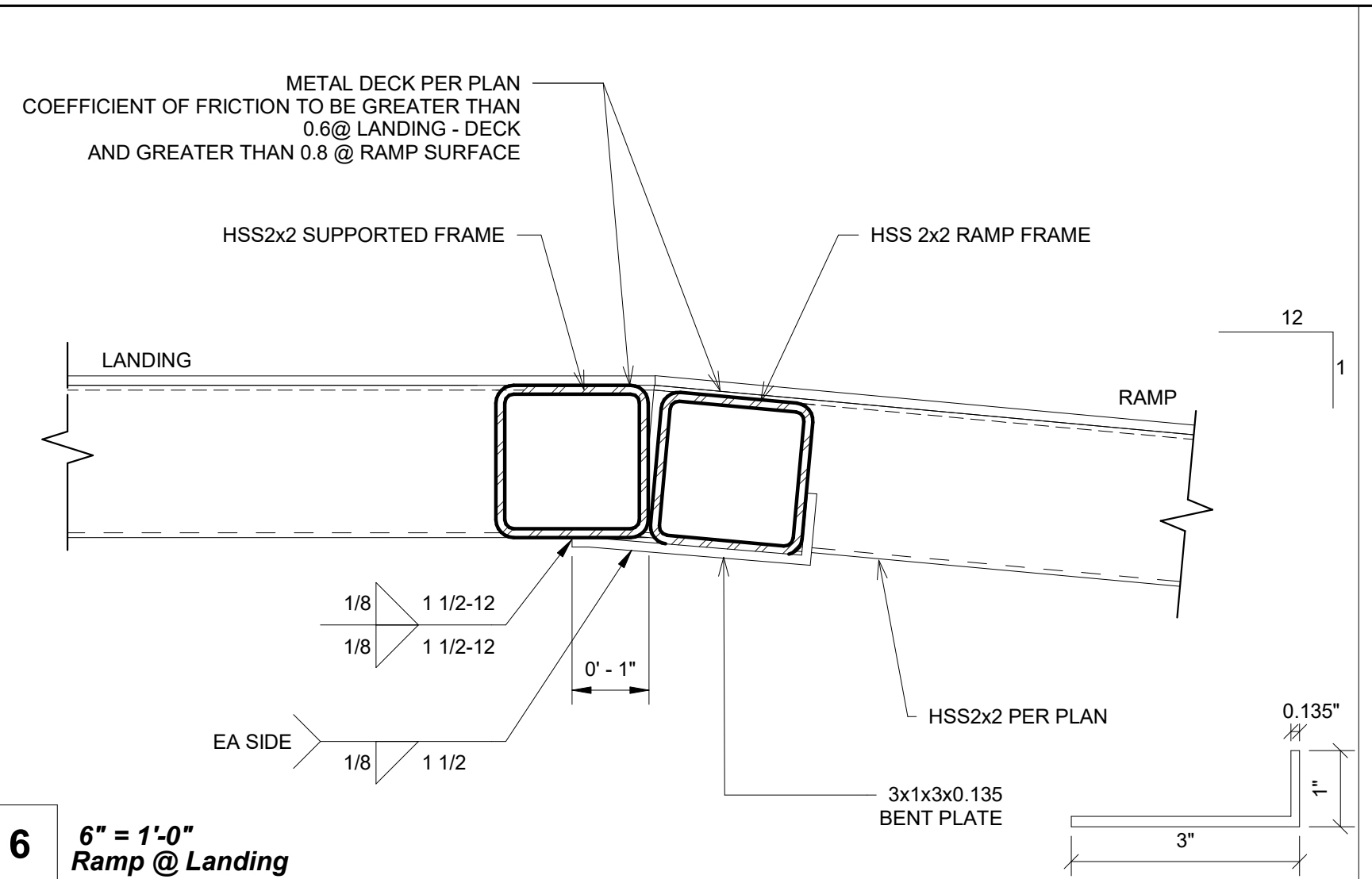
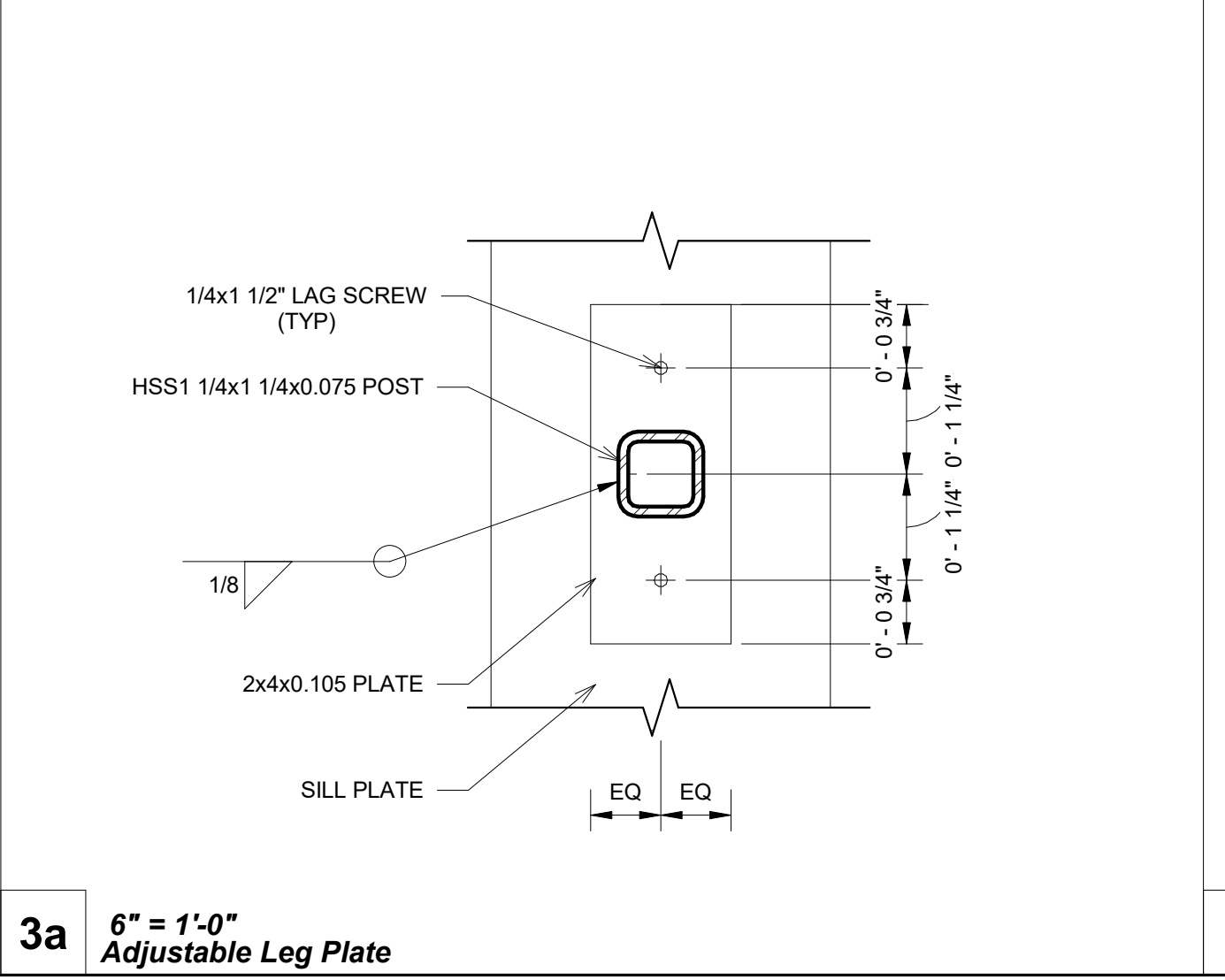
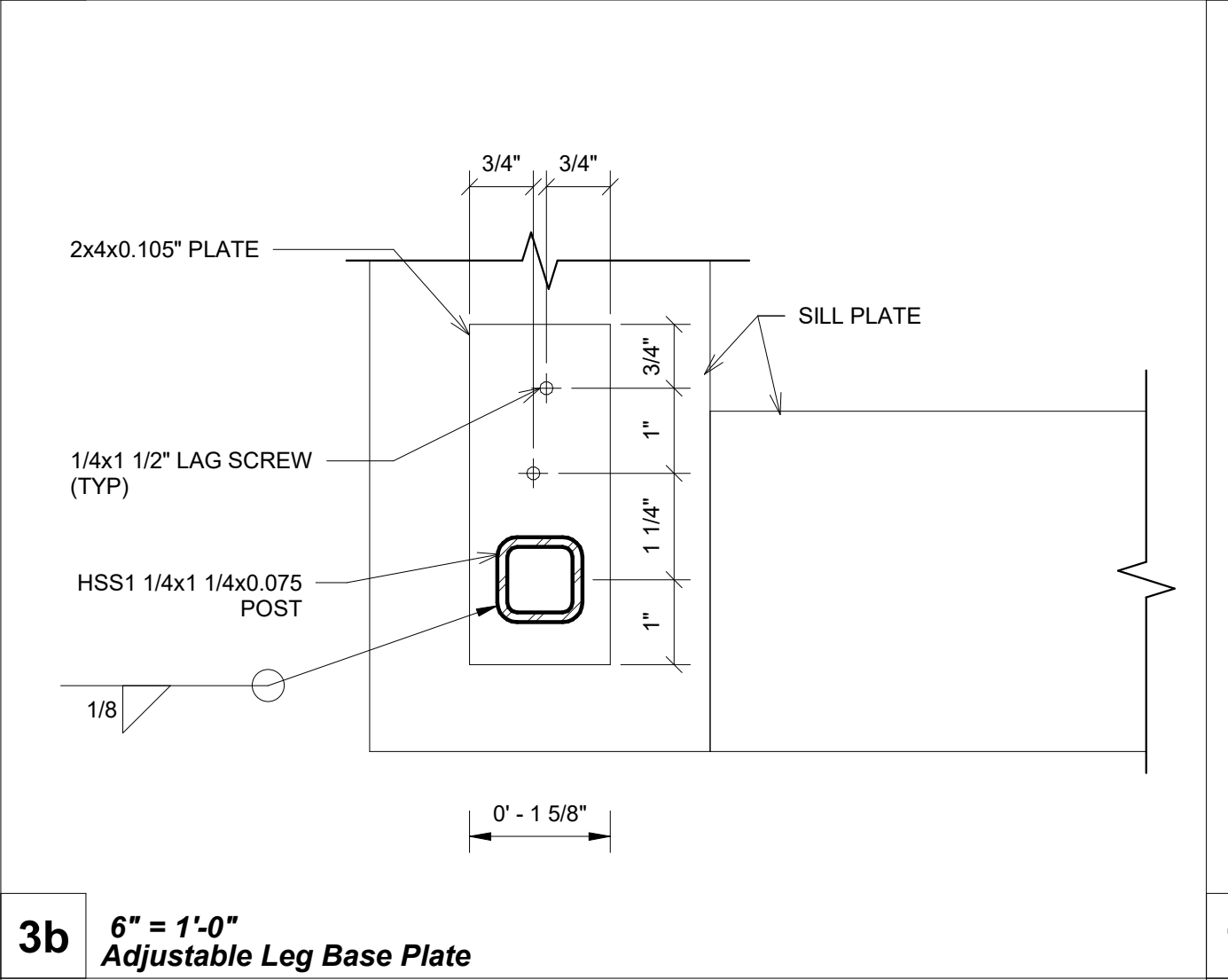
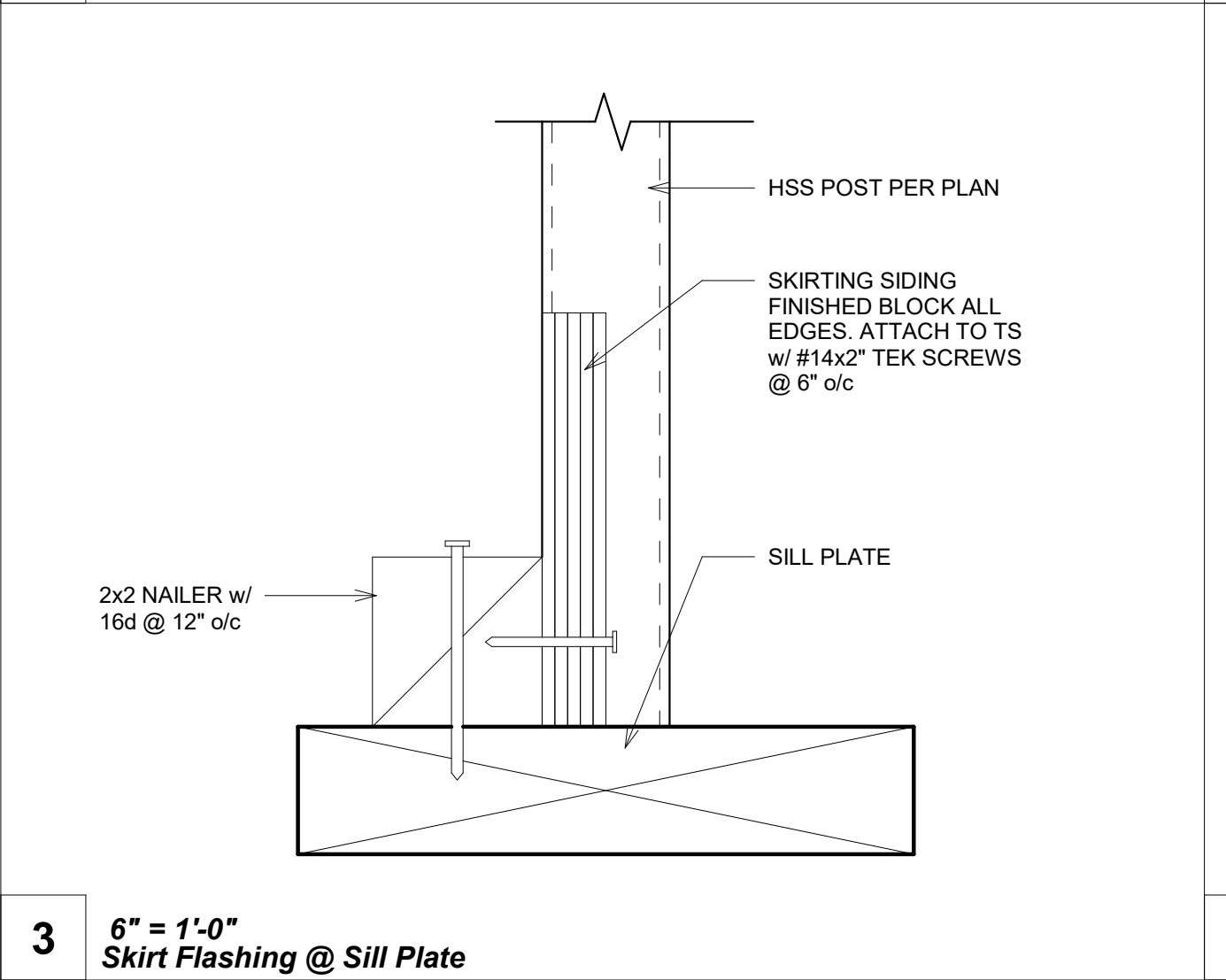
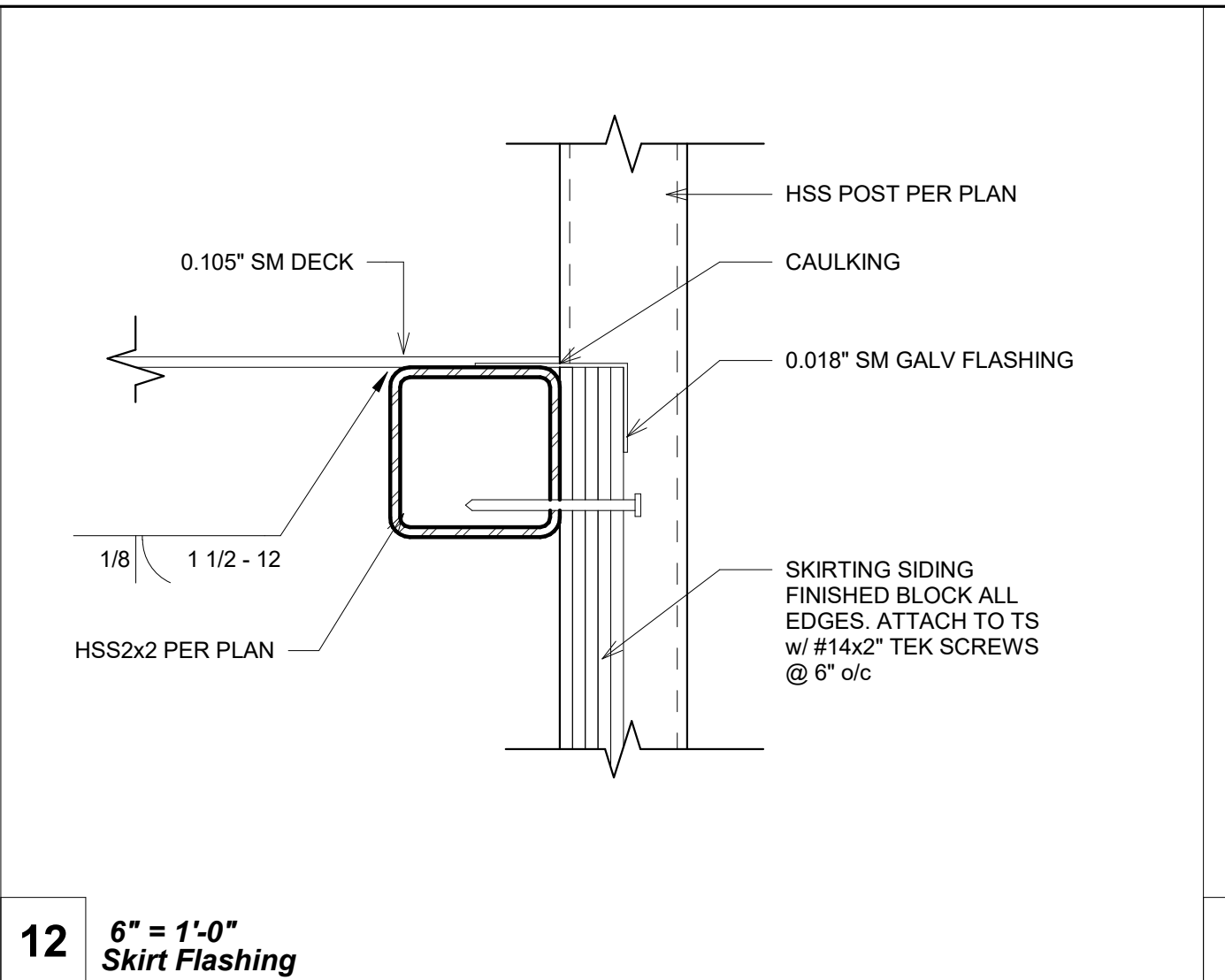
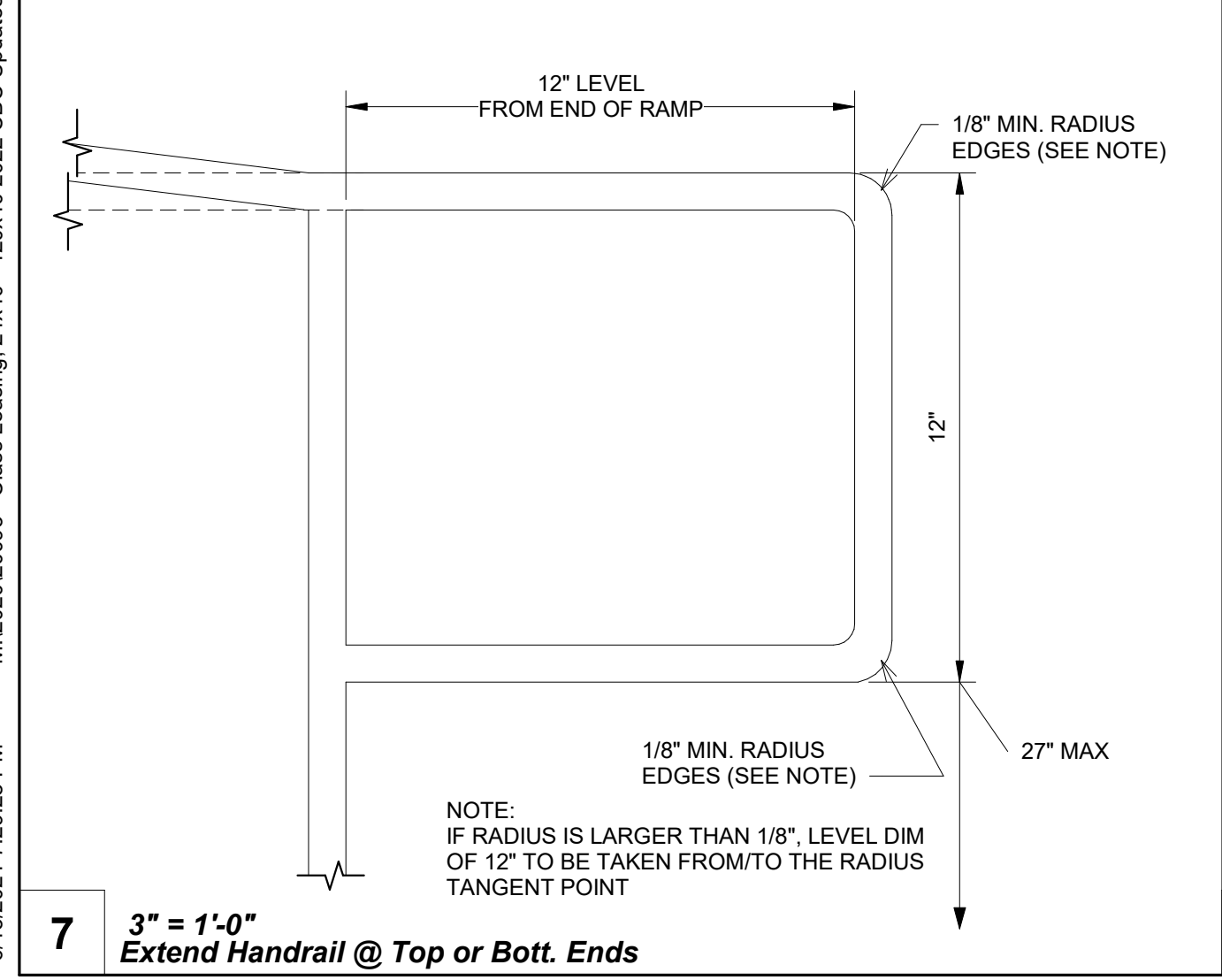
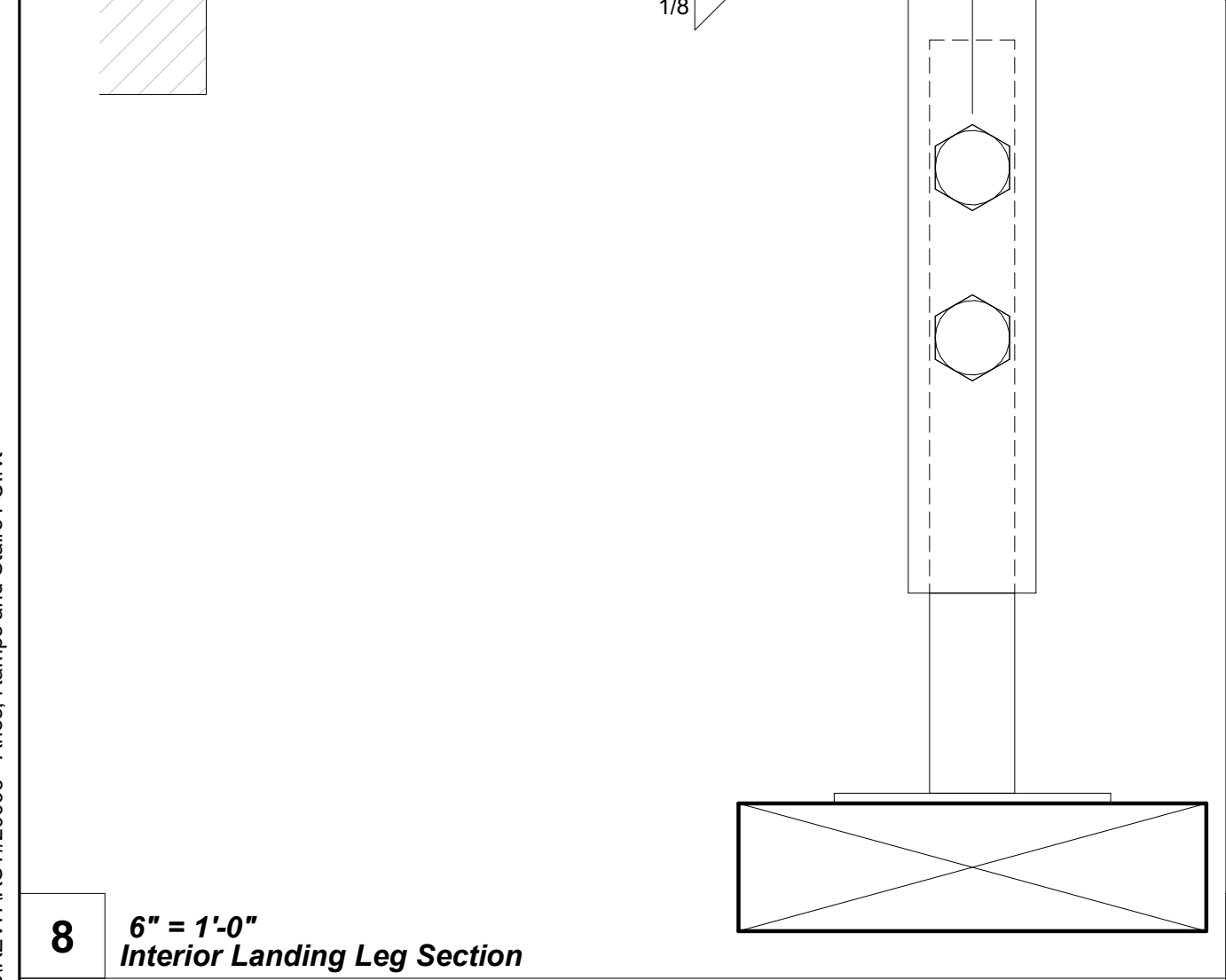
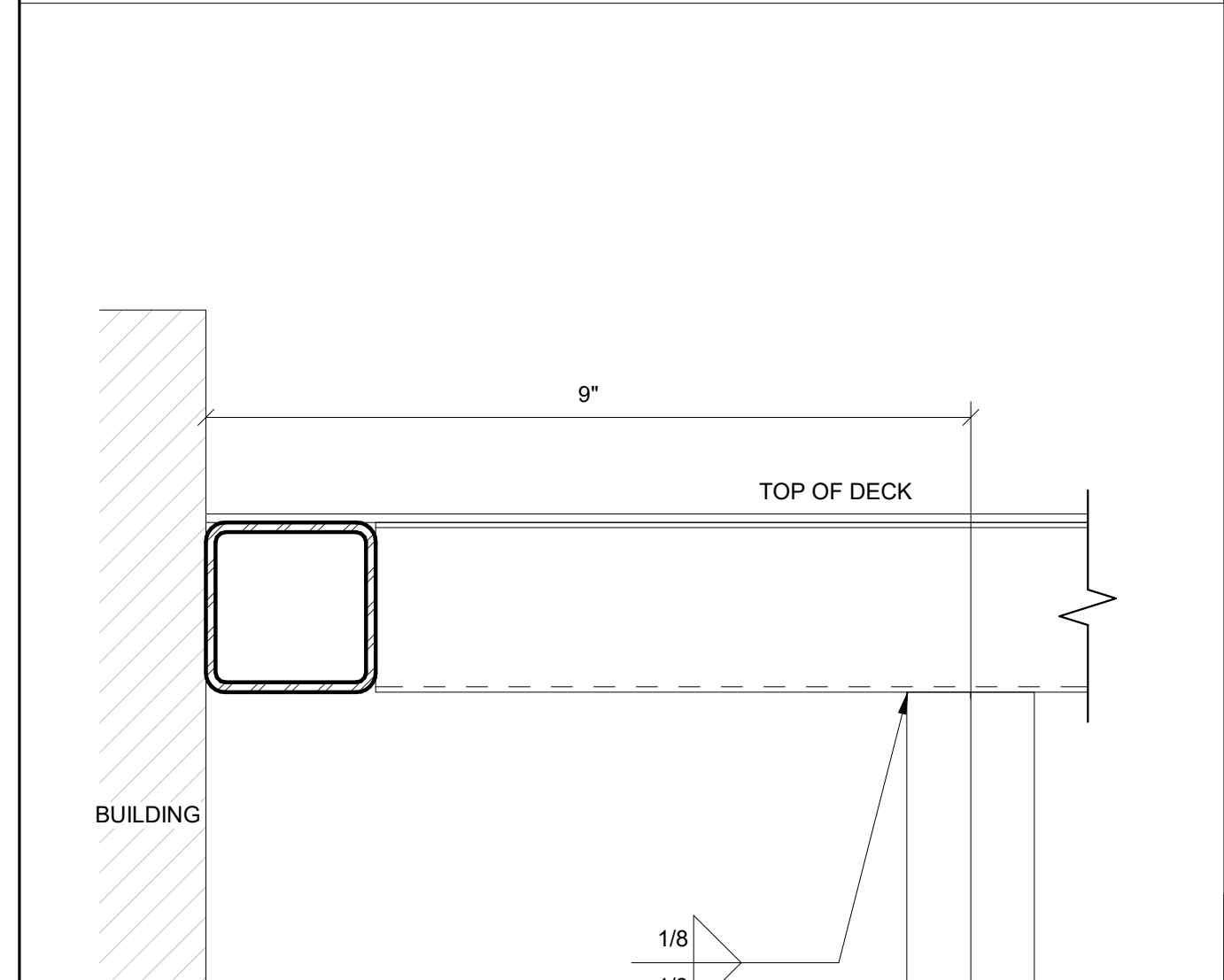
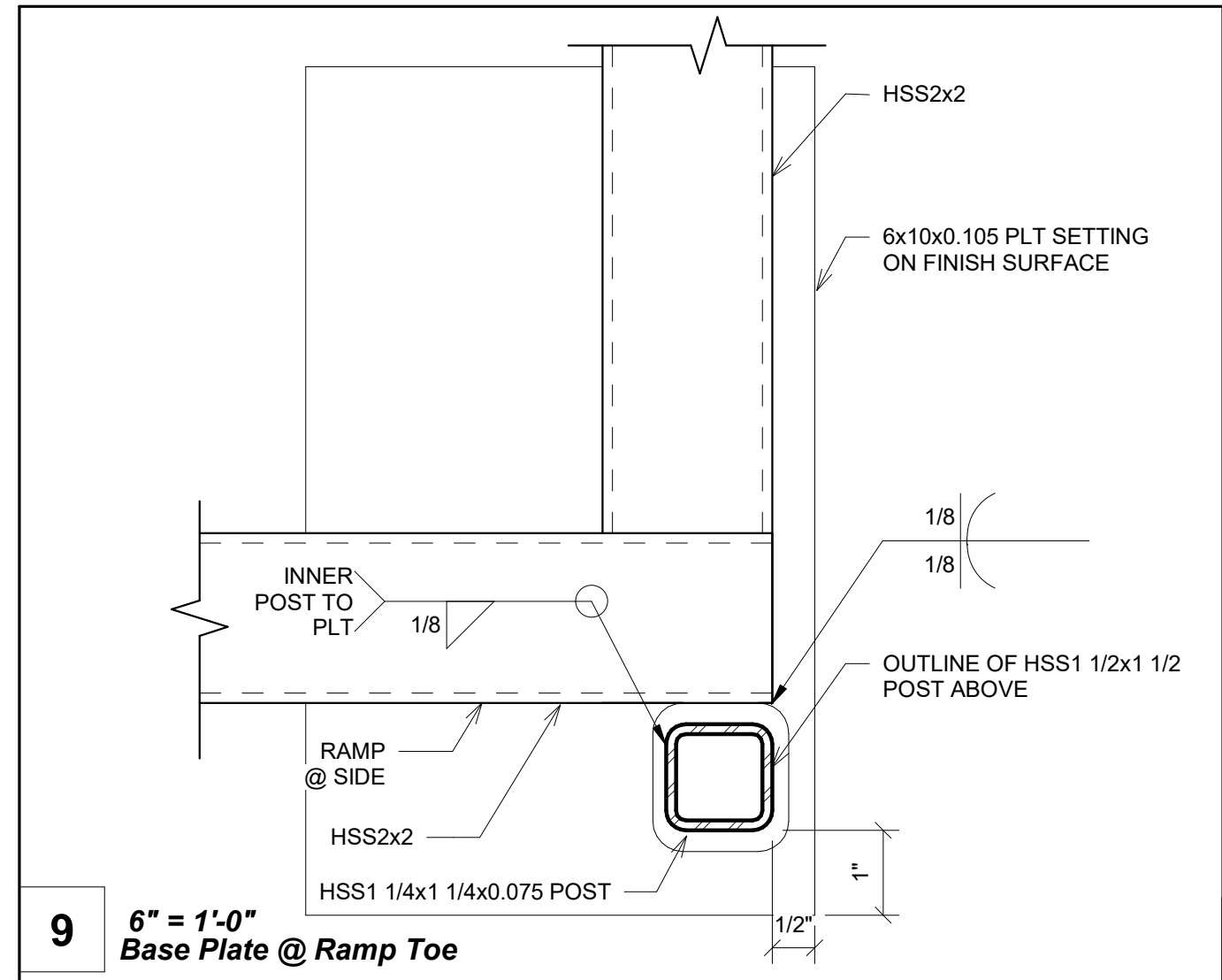
12/23/2022

SHEET NO.

SR4

SHEET OF

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PROJECT SPECIFIC STATE AGENCY APPROVAL



PROFESSIONAL STAMP
 REGISTERED PROFESSIONAL ARCHITECT
 MARY D. TAVARES
 No. 3388
 Exp. 03/31/24
 STATE OF CALIFORNIA
 07/24/23

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CLIENT
Class Leasing
 1320 W. Oleander Ave, Perris CA 92571-7408
 VOICE (951) 943-1908/Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL
 APPROVED
 DIV. OF THE STATE ARCHITECT
 APP: 04-121419 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 04/19/2023

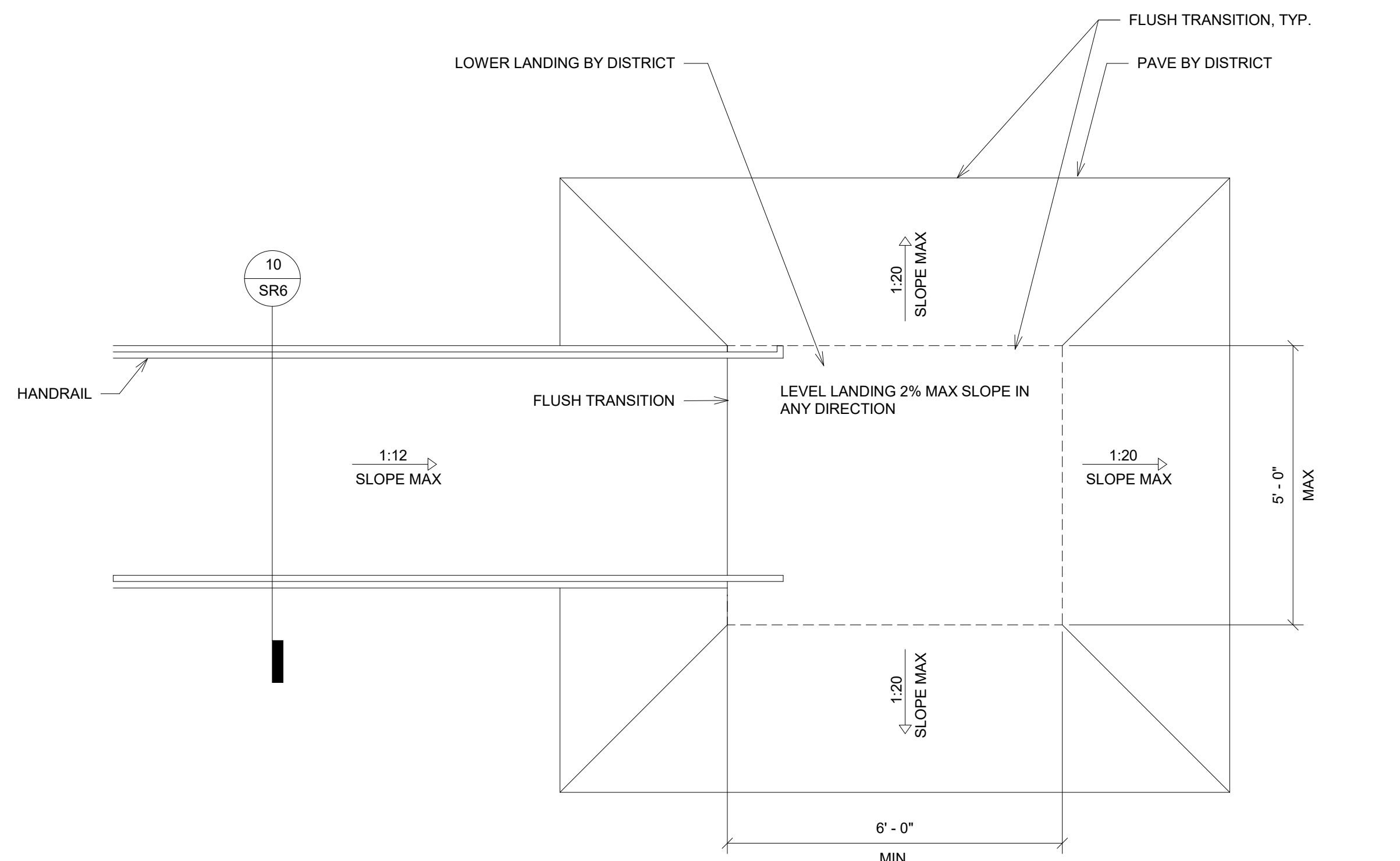
Revision Schedule		
#	Description	Date
		22079

PRE-CHECK (PC) DOCUMENT
 Code: 2022 CBC
 A separate project application for construction is required

PROJECT TITLE
RAMPS PC
 CLASS LEASING
 PC#04-121419

SHEET TITLE
Ramp Details

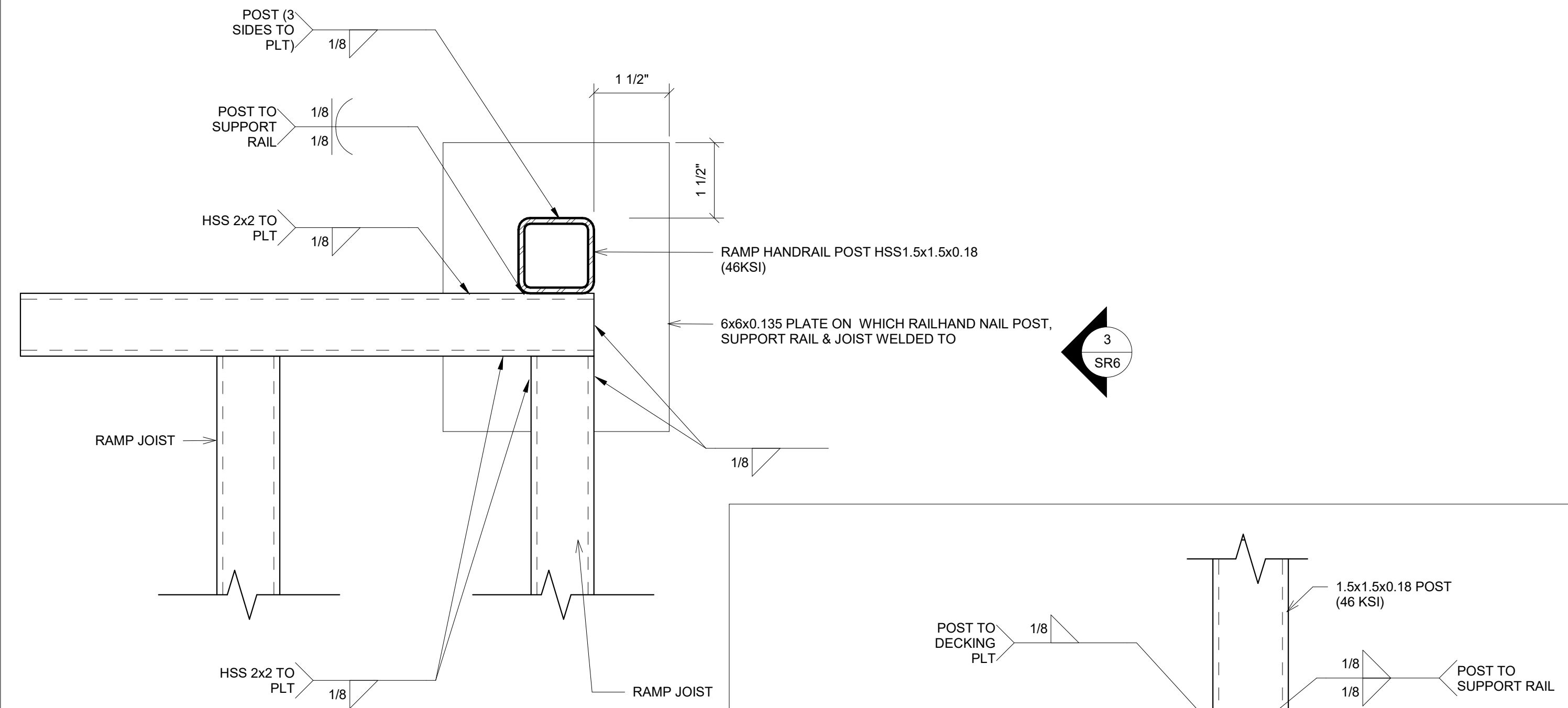
PROJECT NUMBER
 22079
 DRAWN BY
 SM
 CHECKED BY
 rMc
 DATE
 12/23/2022
 SHEET NO.
SR5
 SHEET OF



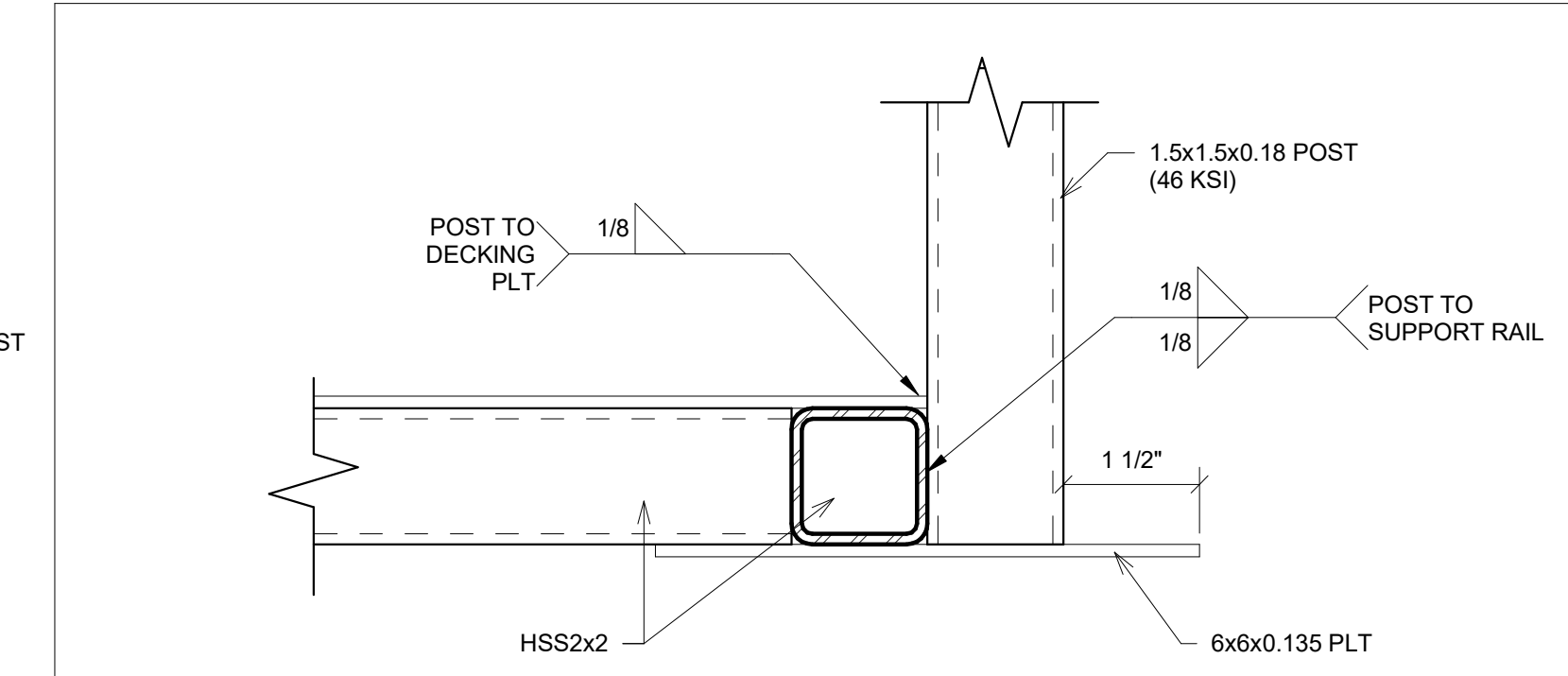
NOTE:
 1. 1:20 TRANSITION OFF OF LOWER LANDING REQUIRES NO HANDRAIL.
 2. TRANSITIONS EXCEEDING 1:20 BUT NOT EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING BY DISTRICT. (THIS CONDITION REQUIRES A SITE SPECIFIC DETAIL PROVIDED BY ARCHITECT TO DEMONSTRATE ACCESSIBLE RAMP)

LANDING TO BE DESIGNED TO NOT RETAIN STANDING WATER 1% 1% 2.083 MAX SLOPE

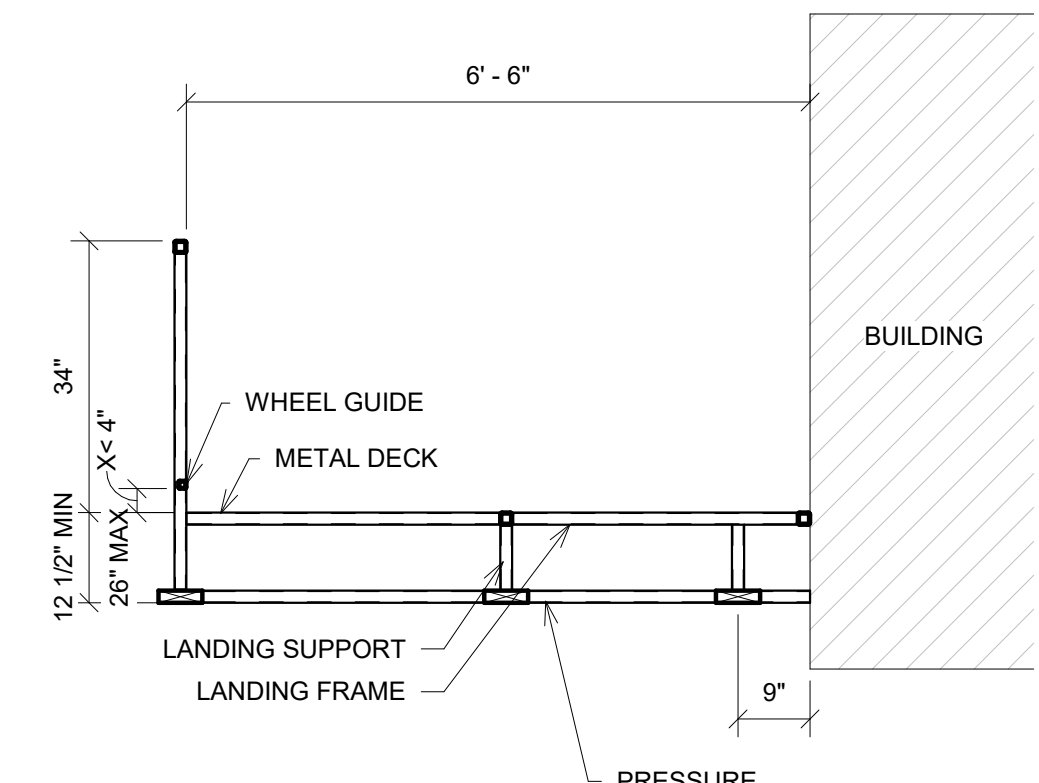
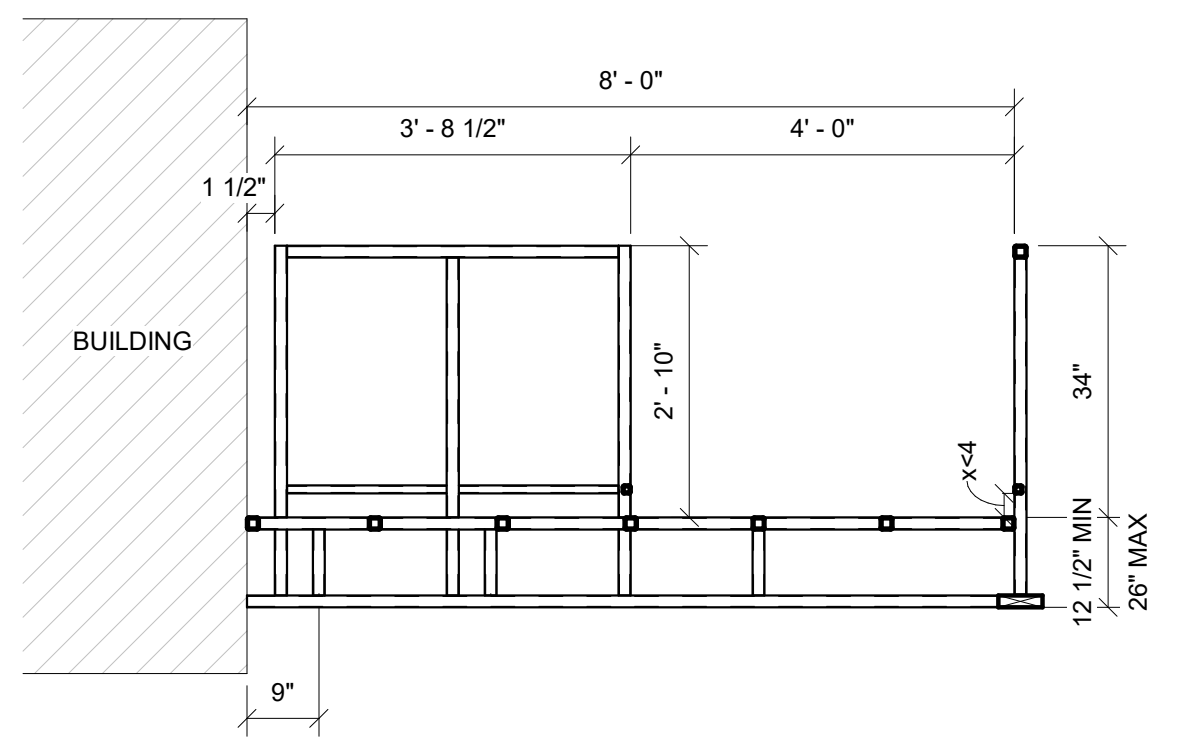
7 1/2" = 1'-0" Ramp Transition



2 6" = 1'-0" Base Plt @ Ramp Toe For Zero Transition

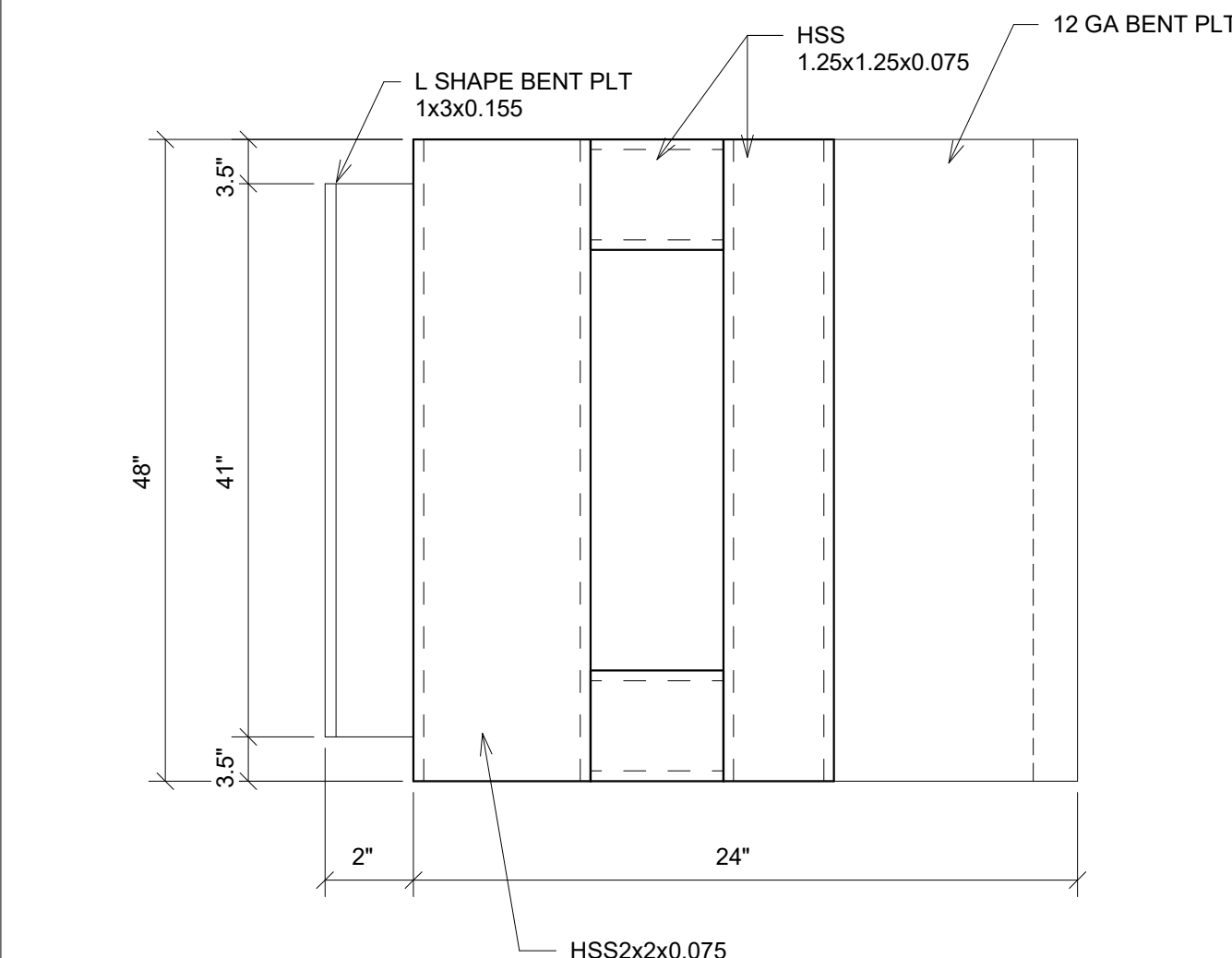


3 6" = 1'-0" Base Plt @ Ramp Toe Low Zero Side View

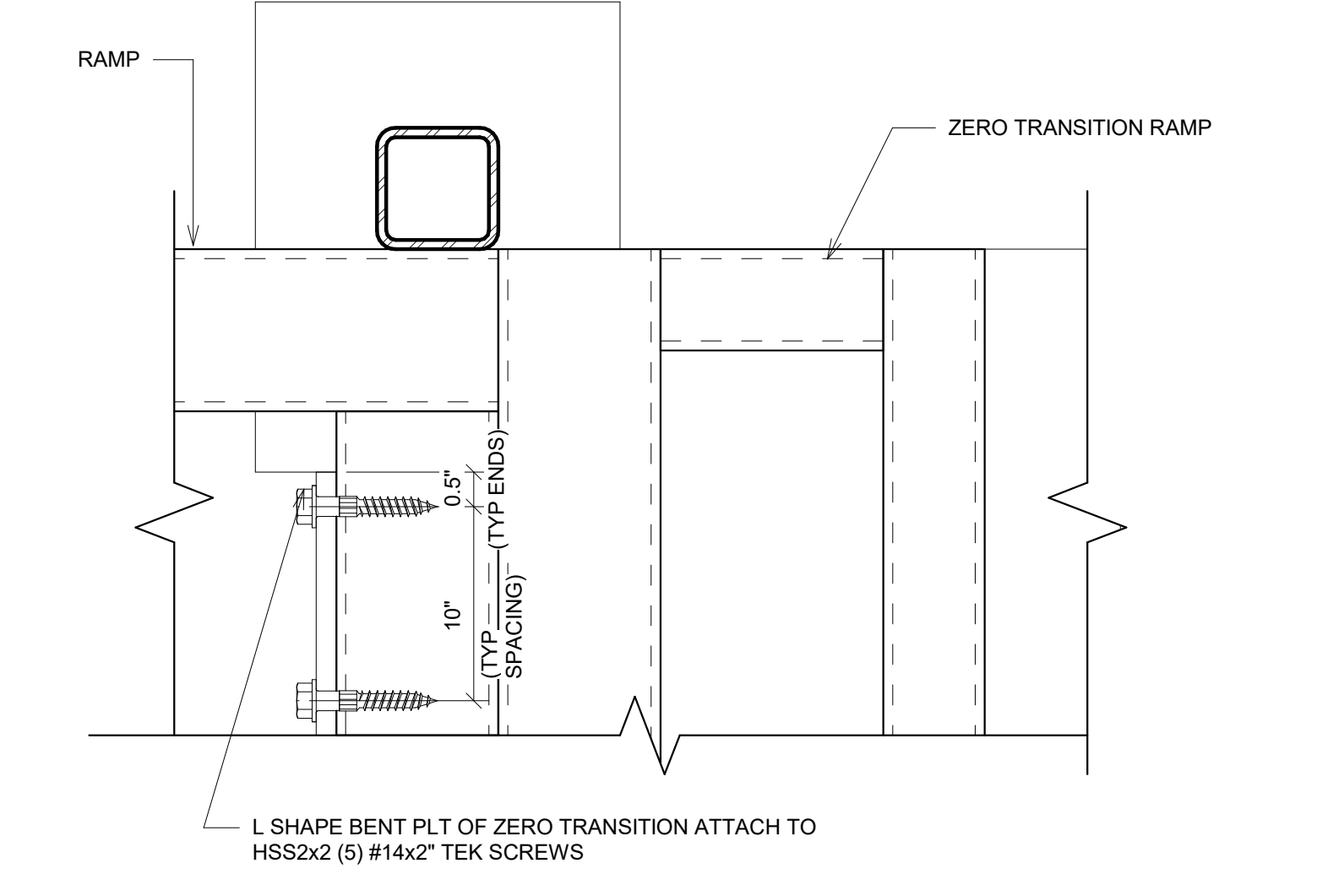


8 1/2" = 1'-0" Section @ Landing

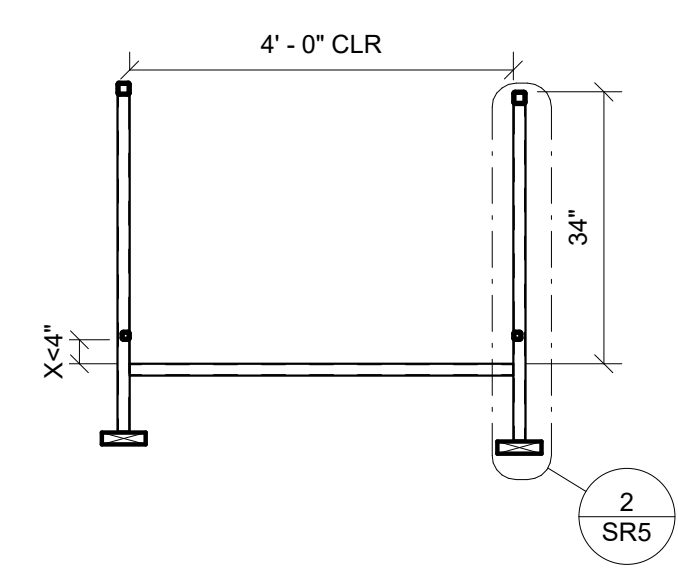
9 1/2" = 1'-0" Section @ Landing



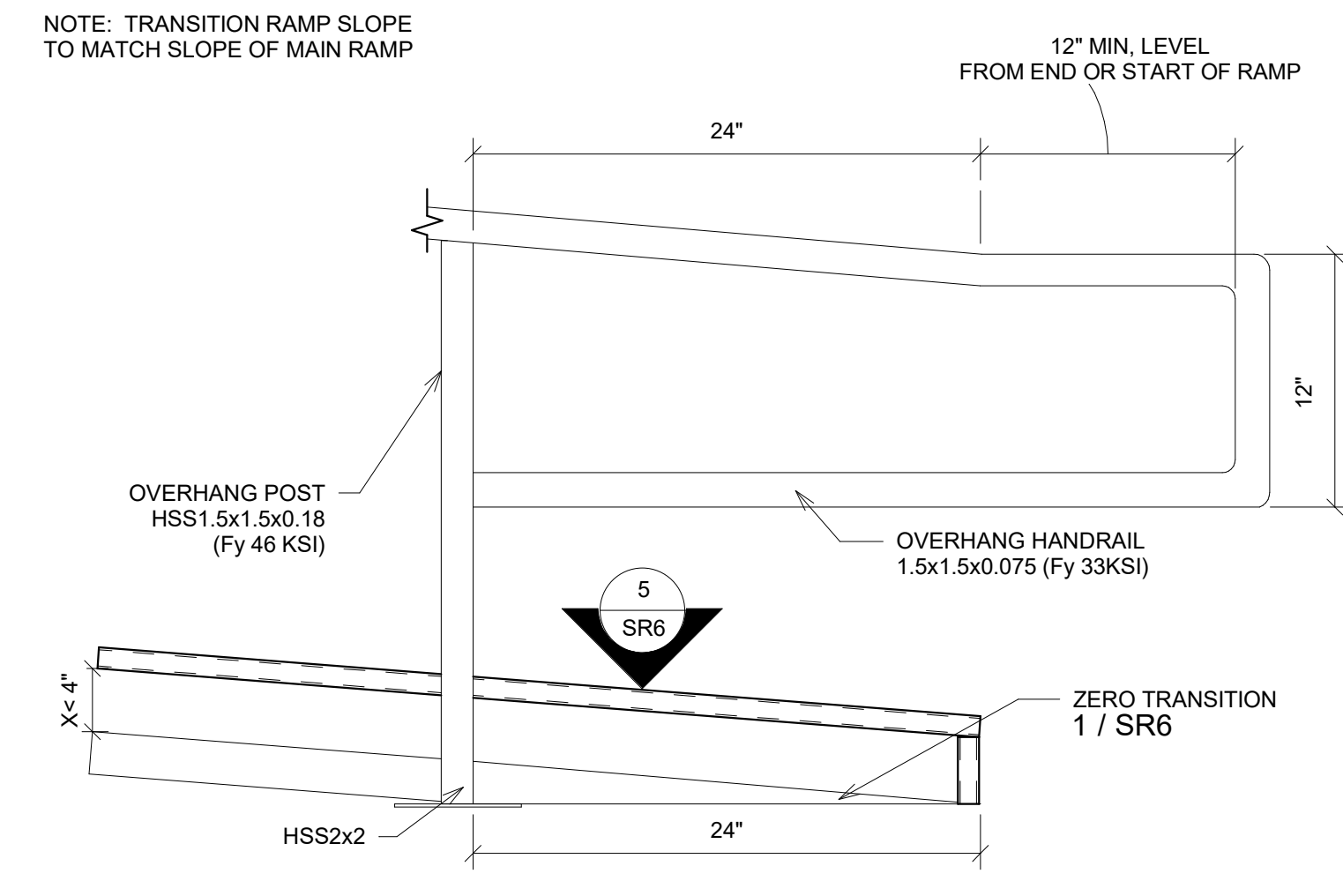
4 6" = 1'-0" Top View Ramp Zero Transition



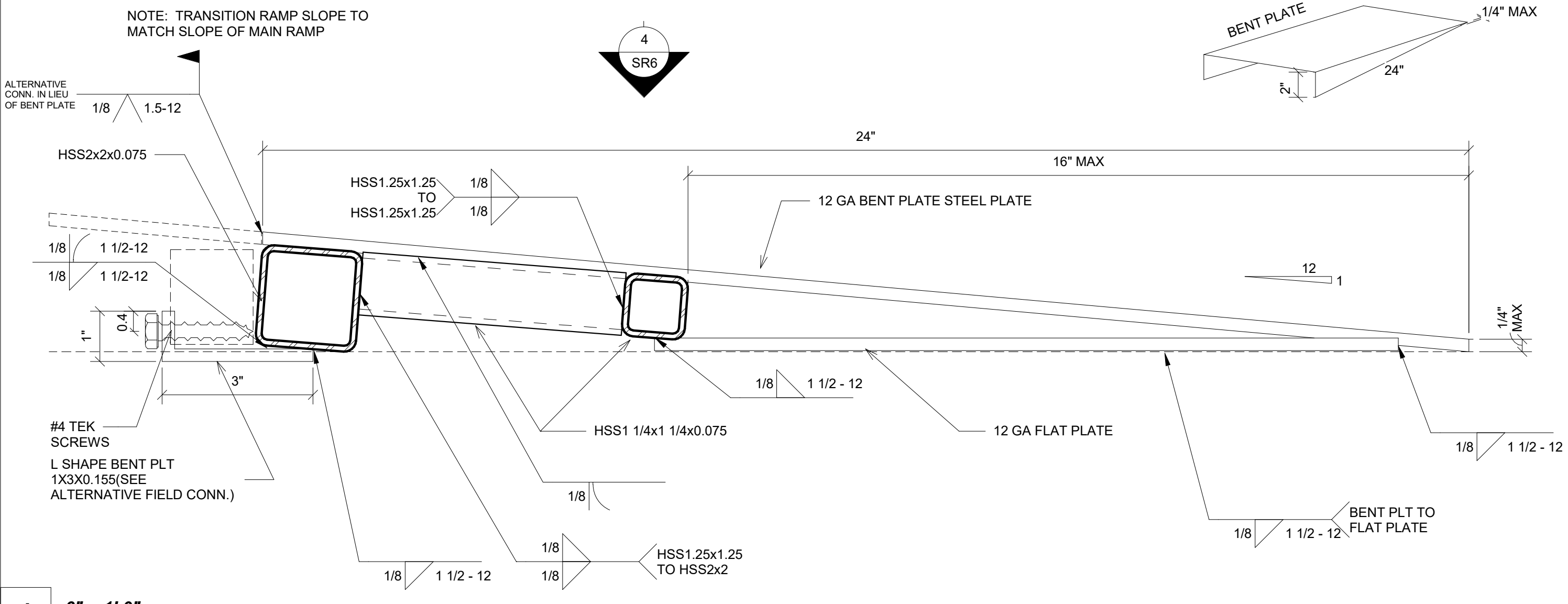
5 6" = 1'-0" Zero Transition Ramp Connection



10 1/2" = 1'-0" Section @ Ramp



6 1 1/2" = 1'-0" Extend Handrail @ Bottom End For Zero Transition Ramp



1 6" = 1'-0" Zero Transition Ramp

PROJECT SPECIFIC STATE AGENCY APPROVAL



PROFESSIONAL STAMP



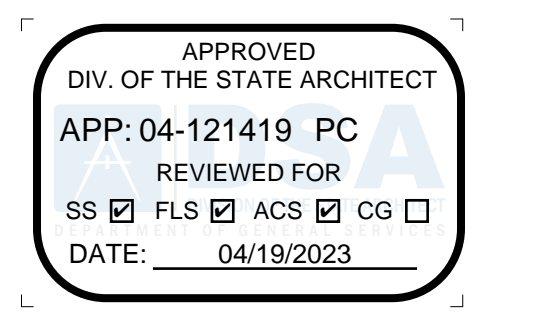
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 VOICE (951) 943-1908/Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date
22079		

PRE-CHECK (PC) DOCUMENT
 Code: 2022 CBC
 A separate project application for construction is required

PROJECT TITLE
RAMPS PC
 CLASS LEASING
 PC#04-121419

SHEET TITLE
Ramp Details

PROJECT NUMBER
 22079

DRAWN BY
 SM

CHECKED BY
 rMc

DATE
 12/23/2022

SHEET NO.
SR6

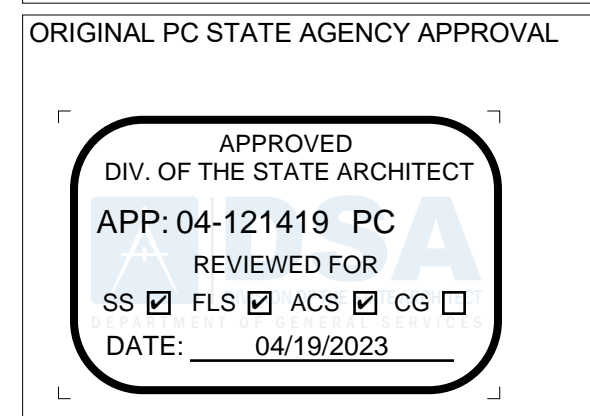
SHEET OF

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CLIENT
Class Leasing
 1320 W. Oleander Ave, Perris CA 92571-7408
 VOICE (951) 943-1908/Fax (951) 943-5768



Revision Schedule

#	Description	Date
22079		

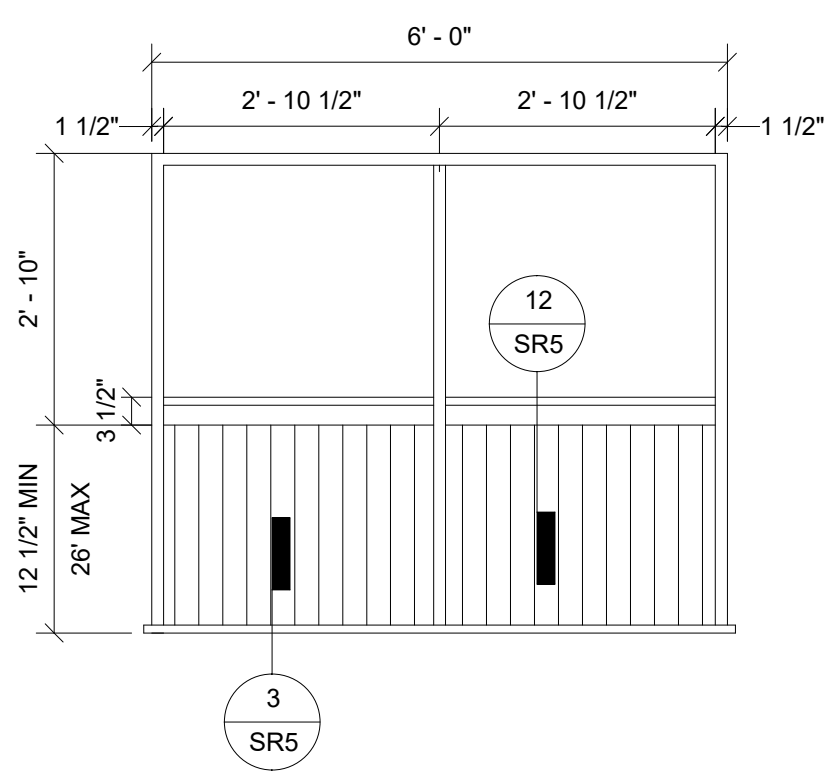
PRE-CHECK (PC) DOCUMENT
 Code: 2022 CBC
 A separate project application for construction is required

PROJECT TITLE
RAMPS PC
 CLASS LEASING
 PC#04-121419

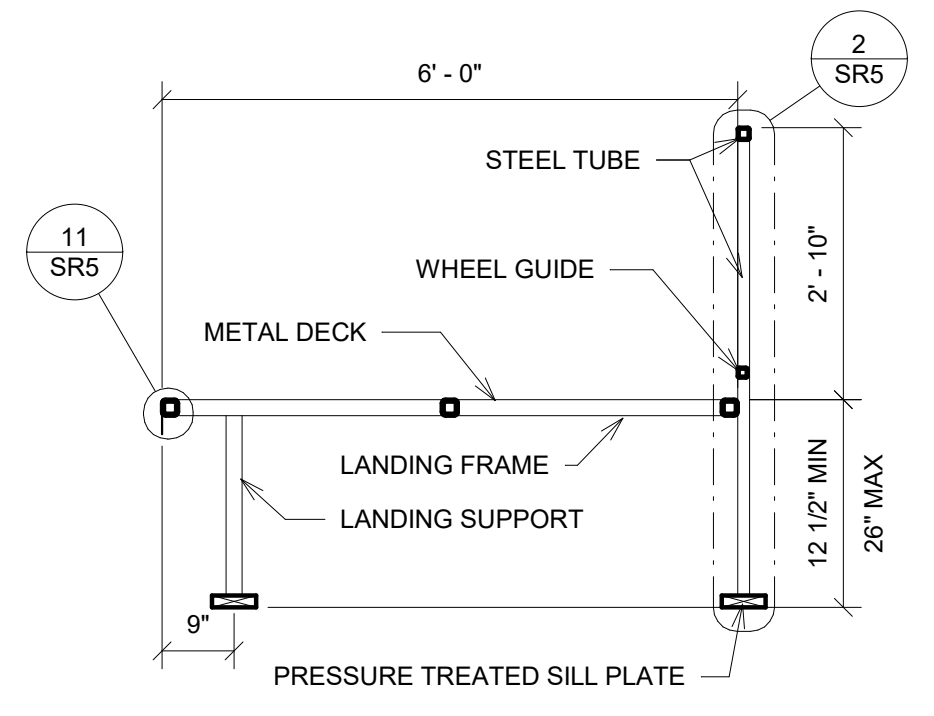
SHEET TITLE
Stair Conn

PROJECT NUMBER
 22079
 DRAWN BY
 rMc
 CHECKED BY
 BR
 DATE
 12/23/2022
 SHEET NO.
SR7

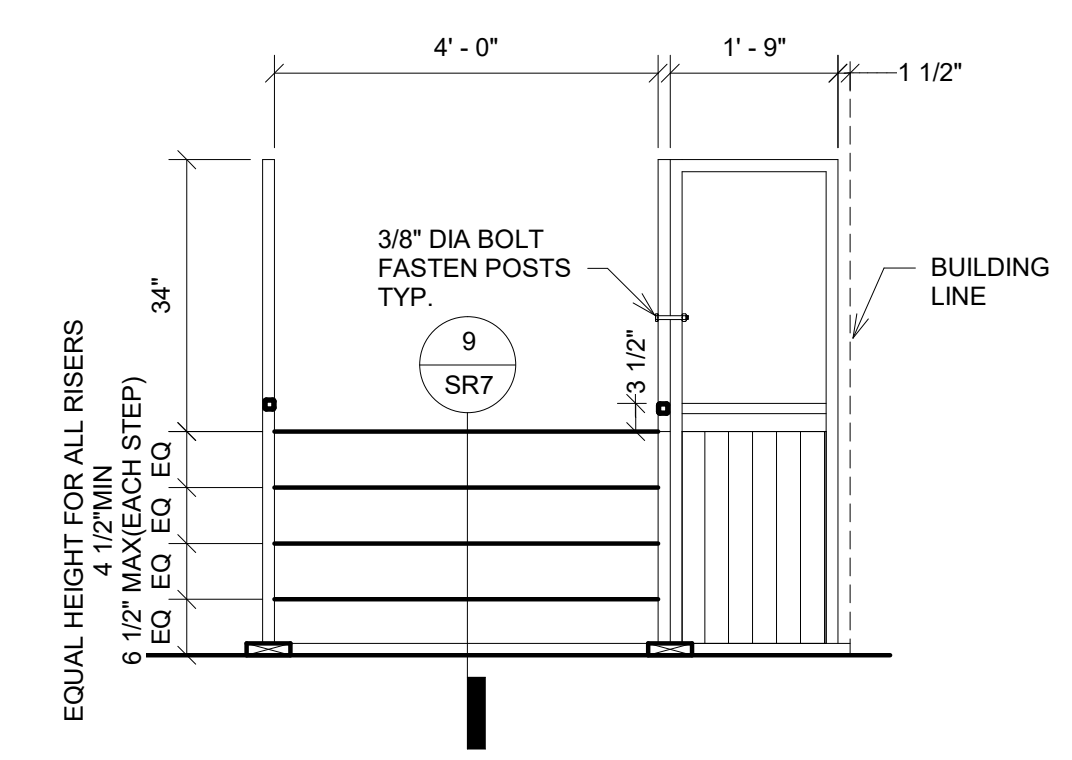
SHEET OF



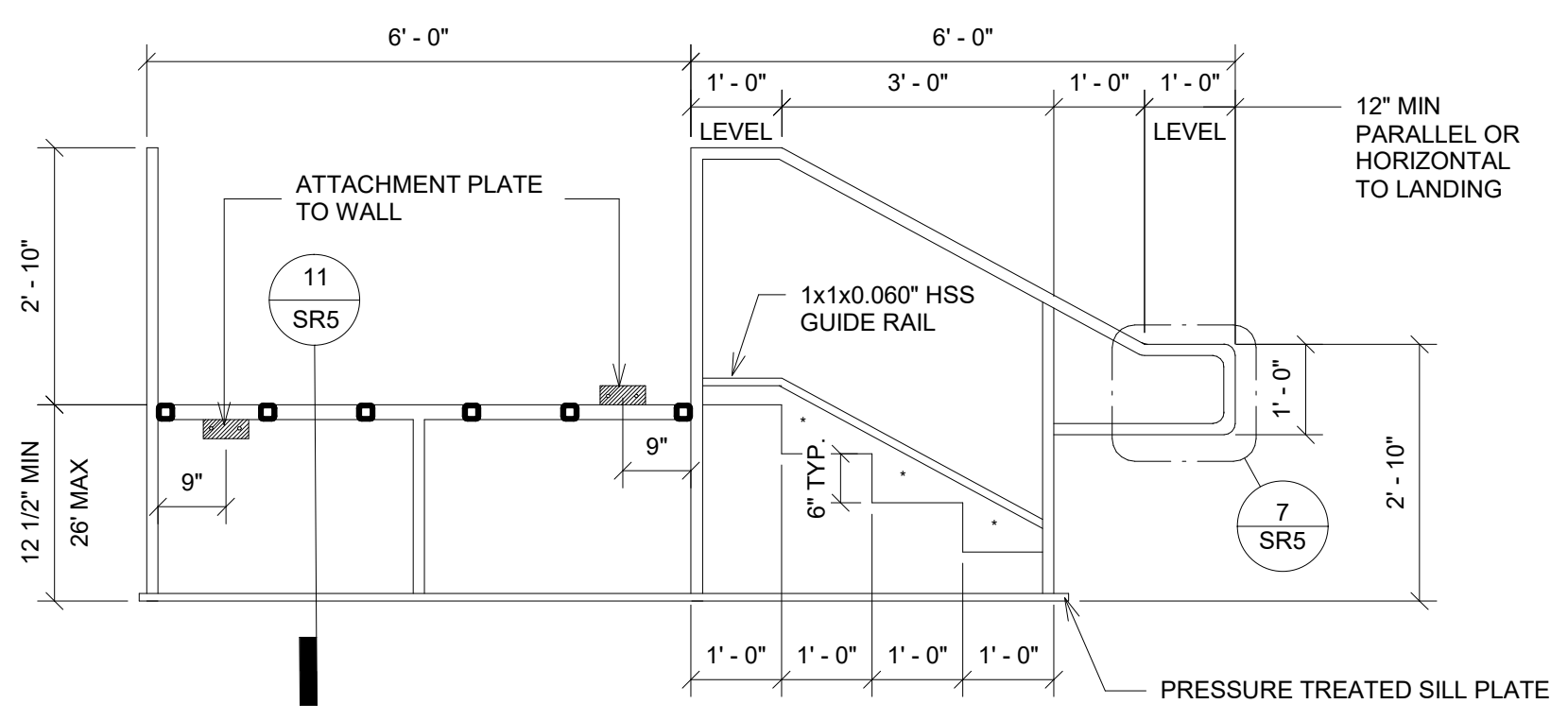
1 1/2" = 1'-0"
LANDING ELEVATION VIEW



2 1/2" = 1'-0"
LANDING SECTION

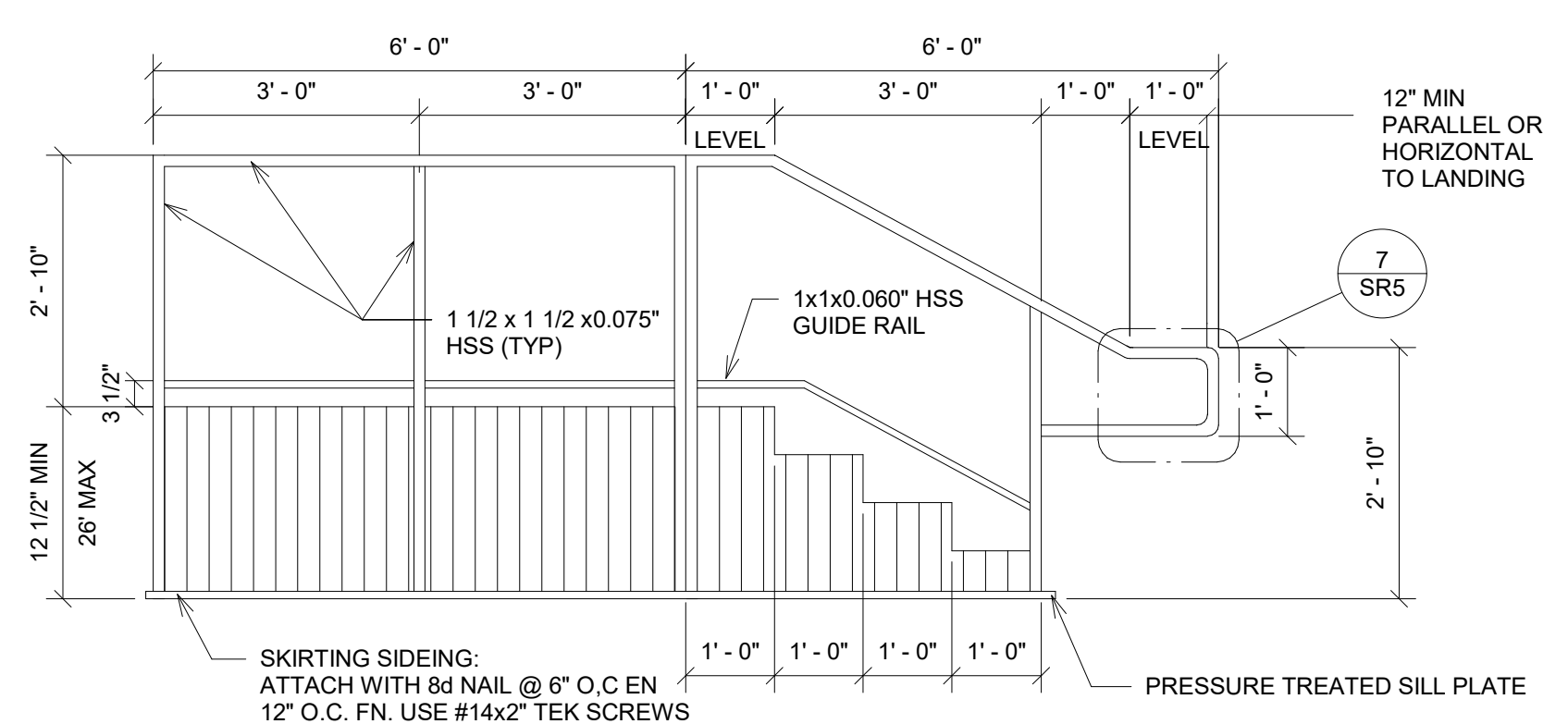


6 1/2" = 1'-0"
STEPS ELEVATION

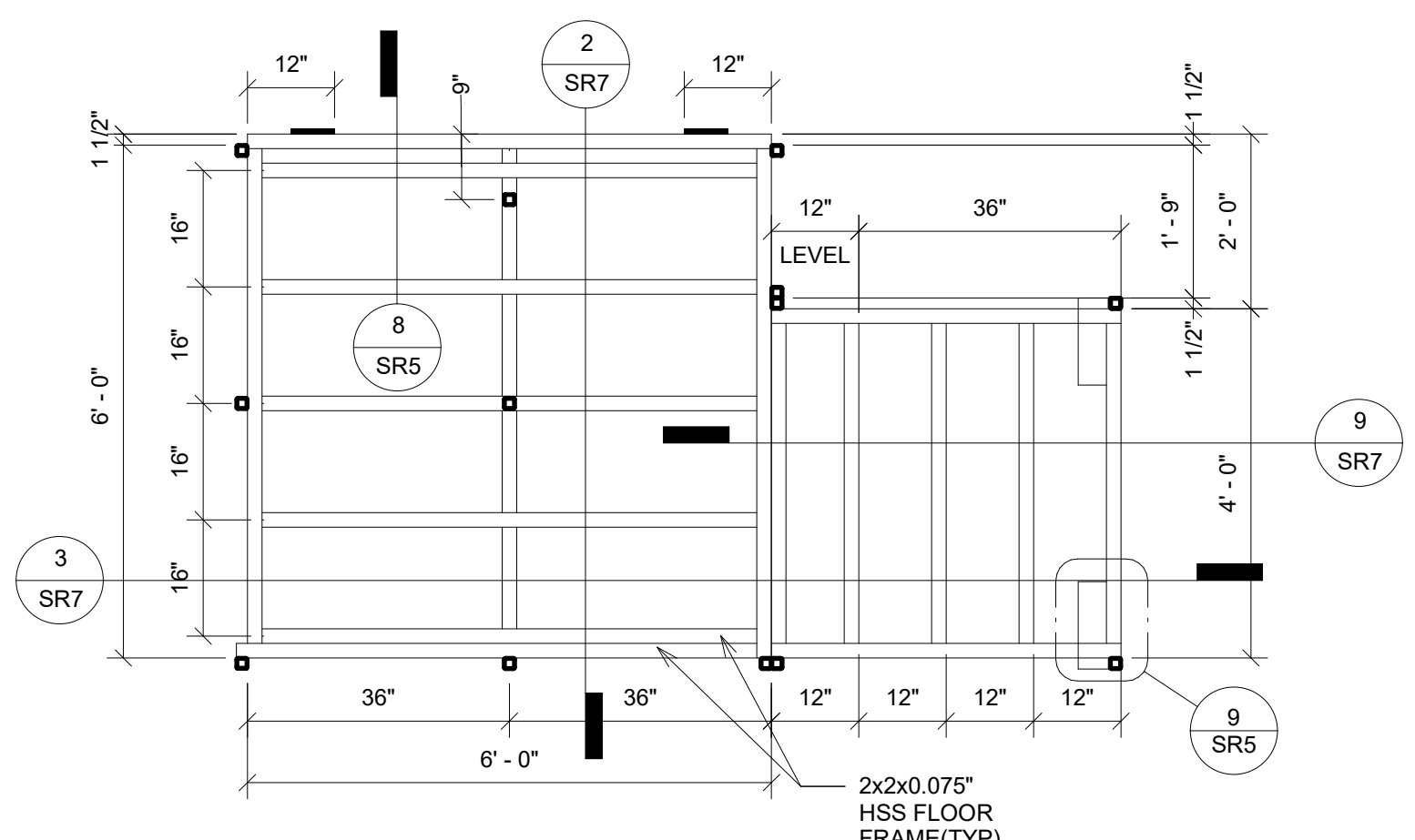


*THE TRIANGULAR OPENING AT THE OPEN SIDES OF A STAIR FORMED BY THE RISER, TREAD, AND BOTTOM RAIL SHALL NOT ALLOW PASSAGE OF A SPHERE 6 INCHES IN DIAMETER PER CBC 1015.4(TYP)

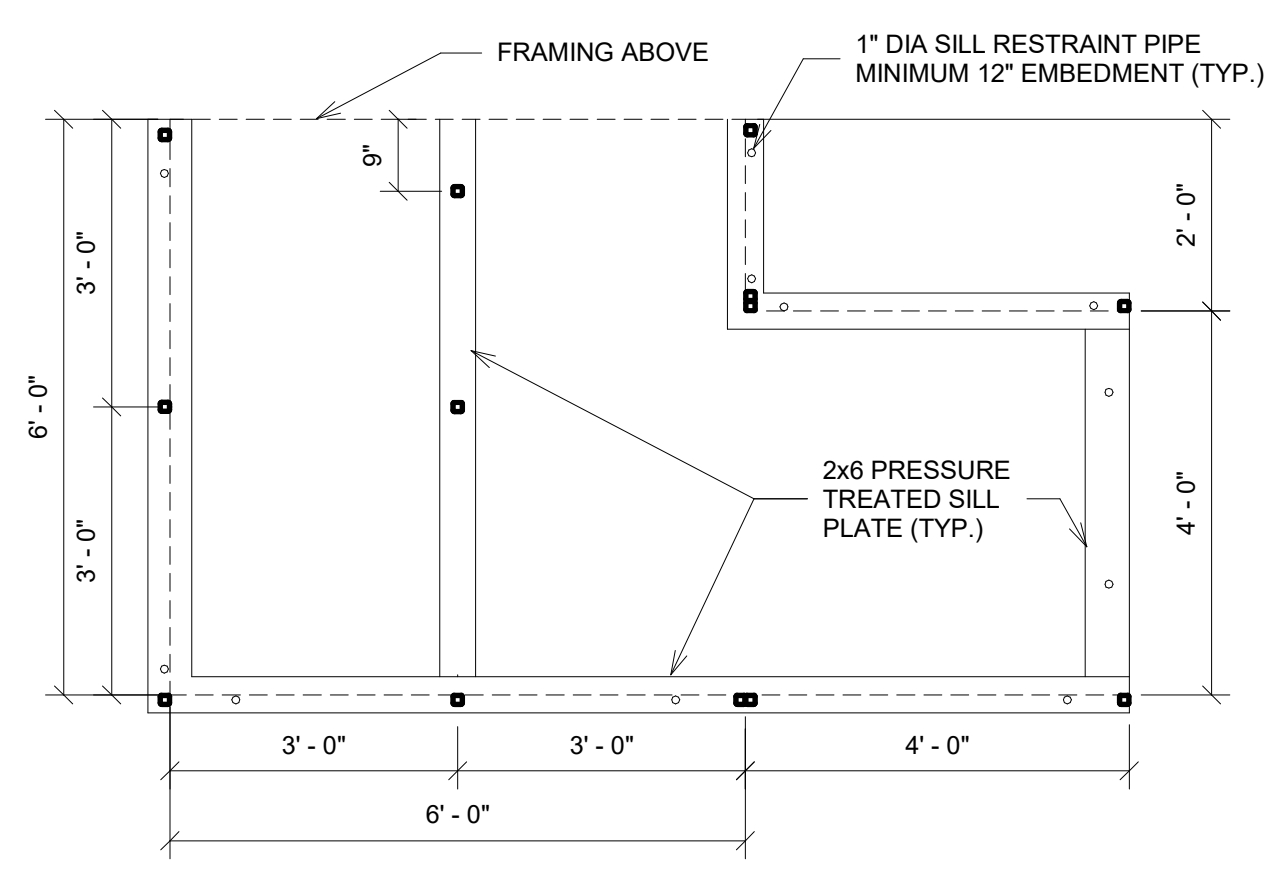
3 1/2" = 1'-0"
STEP AND LANDING SECTION



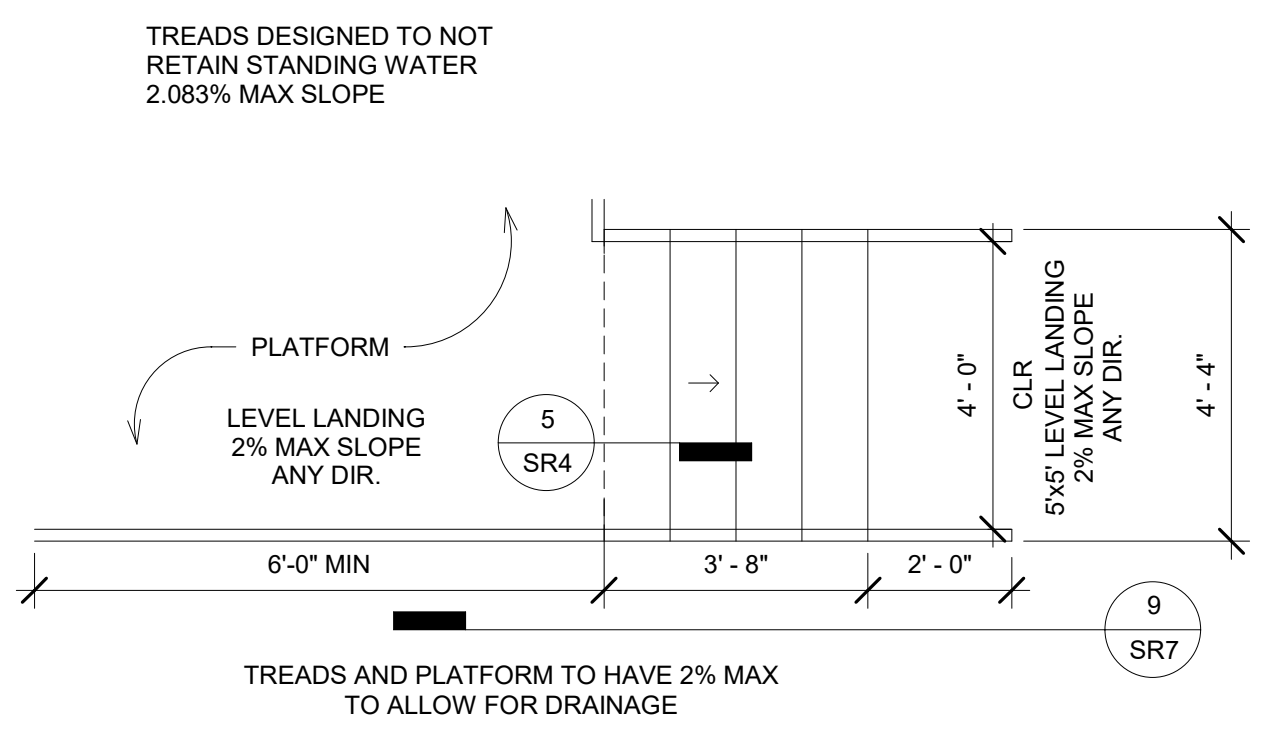
4 1/2" = 1'-0"
STEPS AND LANDING SECTION



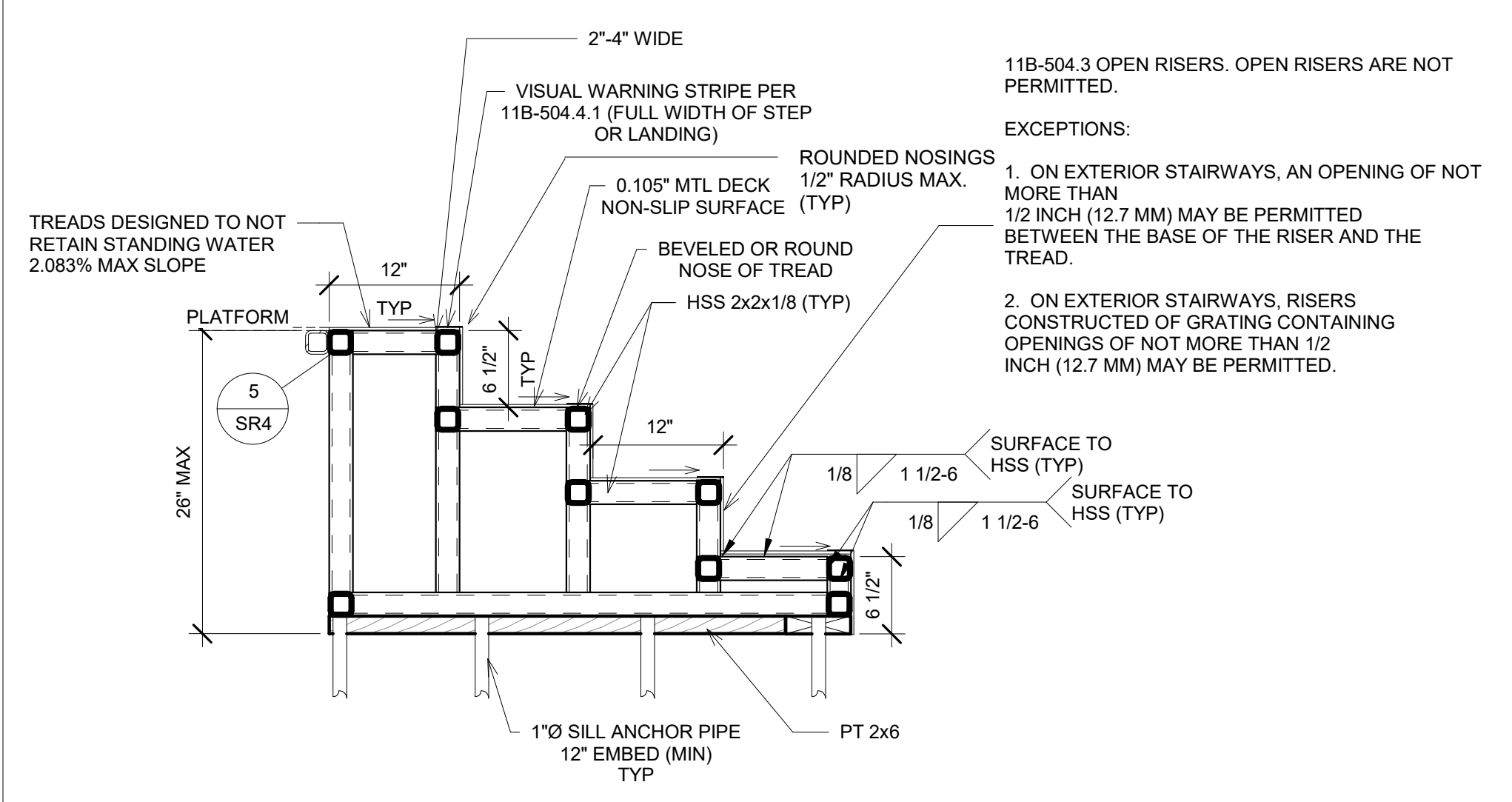
5 1/2" = 1'-0"
STEPS/LANDING FRAMING PLAN



7 1/2" = 1'-0"
SILL PLAN

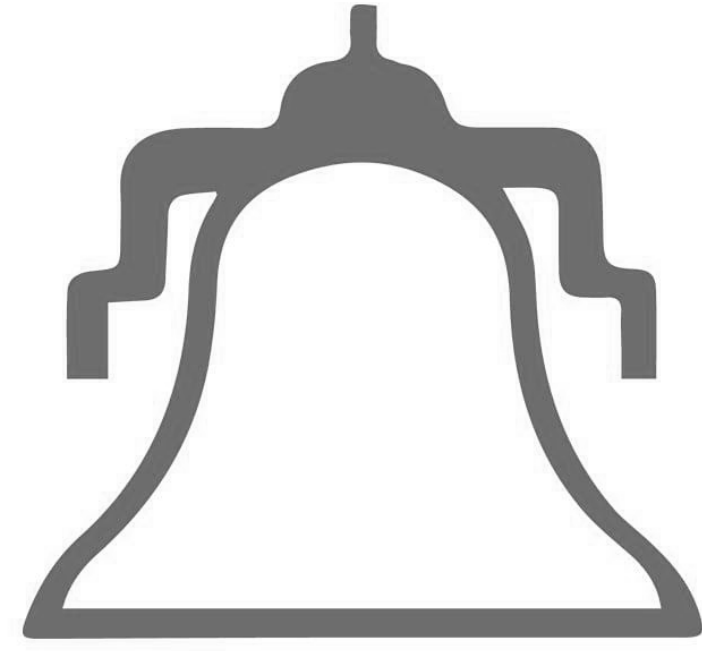


8 3/8" = 1'-0"
Stair



9 1" = 1'-0"
Stair Elev

6/15/2021 7:29:30 PM M:\2020\20093 - Class Leasing, 24x40 - 120x40 2022 CBC Updates\REV\TAVARES\0093 - Aries, Ramps and Stairs PC.rvt



Tustin Unified
School District

TUSD

GUIN FOSS ELEMENTARY SCHOOL RELOCATABLE ADDITION

04/11/2024



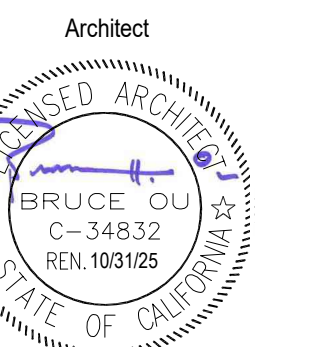
GUIN FOSS ELEMENTARY SCHOOL RELOCATABLE
ADDITION

PROJECT ADDRESS:
12712 Elizabeth Way,
Tustin, CA 92780

DSA FILE NO.: xxxxx DSA FILE NO.: xxxxx



Tustin Unified
School District



OWNER

Tustin Unified School District
19251 Dodge Ave
Santa Ana, CA 92705
t: (949) 293-4850
Contact: Tom Rizzuti

ARCHITECT

PBK Architects
2400 E Katella Avenue, Suite 950
Anaheim, CA 92806
t: (949) 548-5000
Contact: Bruce Ou

CIVIL ENGINEER

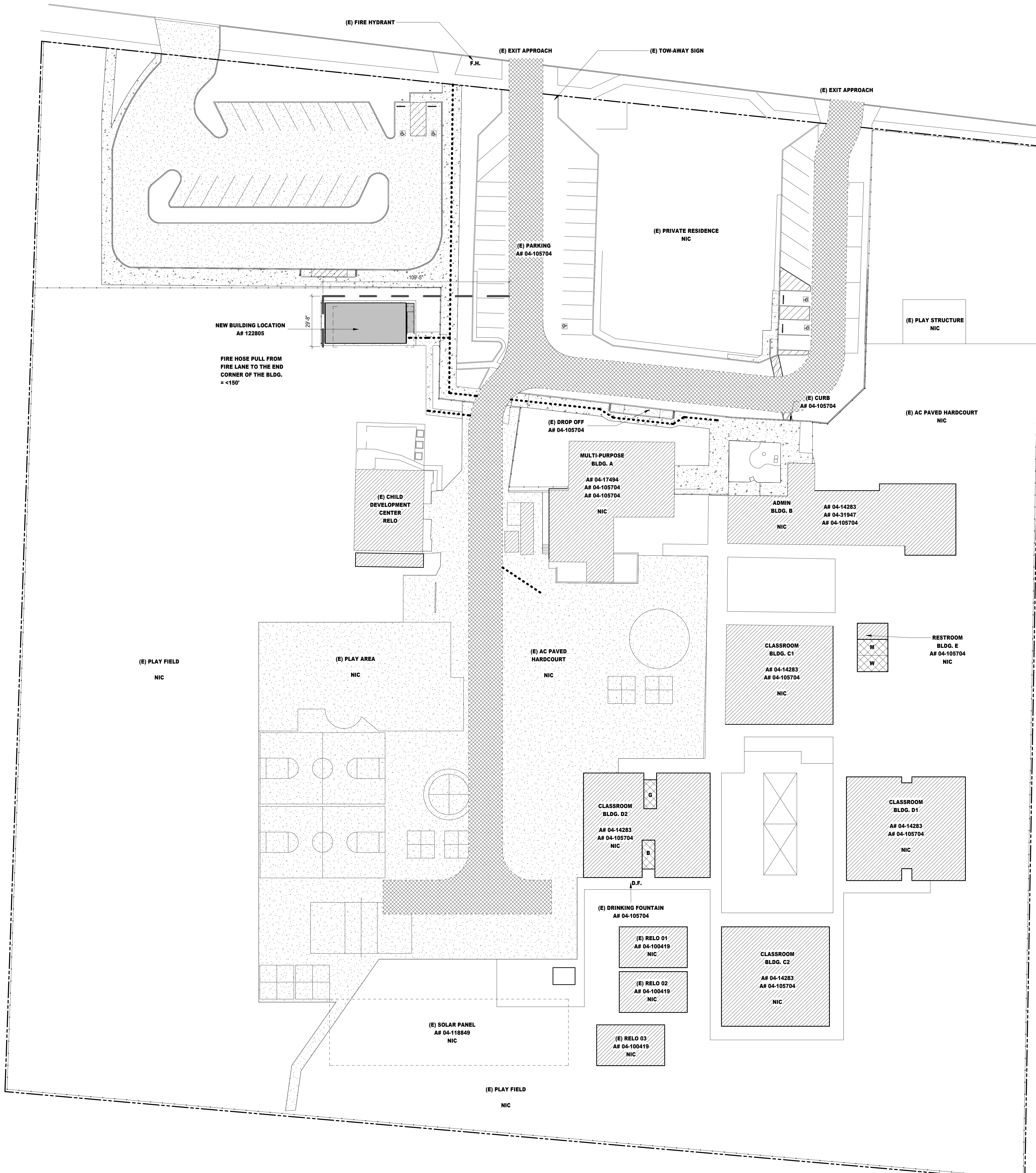
FPL and Associates, Inc.
30 Corporate Park, Suite 401
Irvine, CA. 92606
t: (949) 252-1688
Contact: RON CANEDY

MEP ENGINEER

LEAF Engineers
2400 E Katella Avenue, Suite 950
Anaheim, CA 92806
t: (949) 548-5000
Contact: Rex Wang

COVER SHEET

GO.00



SITE PLAN LEGEND

- (E) FIRE LANE A#111300
- PROPOSED RELOCATABLE BUILDINGS
- (E) BUILDING NIC
- PROPERTY LINE
- FIRE HOSE PULL

BUILDING FIRE FLOW DATA

BUILDING E01	960 S.F.
FIRE FLOW REQUIRED (CFC 105.1)	1,750 GPM
MIN. NUMBER OF HYDRANTS REQUIRED	1

DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects involving the construction of a new building, construction of new buildings, additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 6 is to be completed when an alternate means is utilized. Acknowledgment by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and stamped onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and stamped on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for Buildings.

PROJECT INFORMATION			
School District/Owner:	GARDEN GROVE UNIFIED SCHOOL DISTRICT		
Project Name/School:	PATTON ELEMENTARY		
Project Address:	6861 SANTA RITA AVE GARDEN GROVE, CA 92845		

FIRE & LIFE SAFETY INFORMATION			
1. Has a fire hydrant flow test been performed within the past 12 months?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
2. If yes, provide a copy of the test data.	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
3. Was the hydrant water flow test performed as part of this LFA survey?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
4. Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal Fire? If yes, indicate FHSZ classification below.	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	

Refer to the following website for FHSZ locations:
<https://gfsa.ca.gov/fhsz/>

Wildfire Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)

Medium High Very High

WIFA

DSA Form Approved 1/2019 DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 1 of 2

FIRE FLOW TEST

SoCal Flow Testing
3741 Rose Dr, Yorba Linda, CA 92886
714-261-5716
email: info@socalflowtest.com

Hydrant Flow Test Report

Project: Guin Foss Elementary School Test date: 11/6/23
Address: 18492 Vanderlip Ave Test time: 09:15
City: Santa Ana State: CA File no: _____

Test hydrant location: Southwest corner of Vanderlip Ave & Brennan Way Elevation (ft +/-): _____ Grade: _____
Flow hydrant location: Southeast corner of Vanderlip Ave & Stratton Way Elevation (ft +/-): _____ Grade: _____
Hydrant #: _____

Outlet	C-value	Diem	Flow	Volume
A	0.9	2.0	0 PSI	0 GPM
B	0.9	2.5	20 PSI	750 GPM
C	0.9	3.0	0 PSI	0 GPM
D	0.83	4.0	0 PSI	0 GPM

Residual Pressure: 51 PSI at an observed volume of 750 GPM
Projected Pressure: 20 PSI calculates to a volume of 2784 GPM

Although the results are accurate for the date and time given, they may not accurately reflect higher or lower readings, which vary due to seasonal conditions and time of day.
Per NFPA 24-10, Table C.4.10.1(a), note 1, O=29.84 x (d/d')⁵
Per NFPA 24-10, Paragraph C.4.10.1.2, Q₁ = Q₂ x (P₁/P₂)^{1.85}
Test by: Hillsbrandt

Witness: Dave Wallack, Tustin Water, (714) 933-3379
Client: Tam Roper, Tustin Unified School District, (949) 793-4850

cc: medina@tustina.org, ttrout@tustin.k12.ca.us

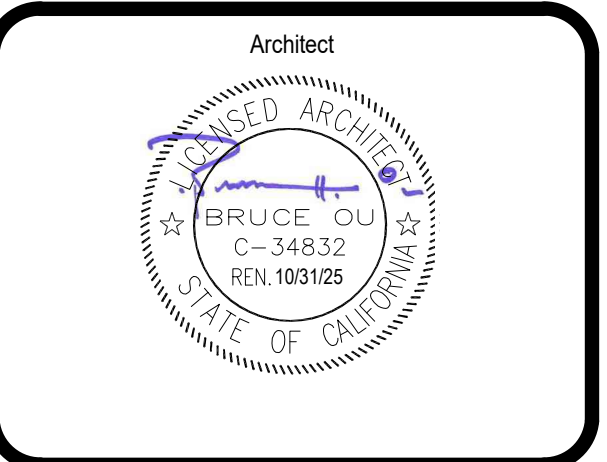
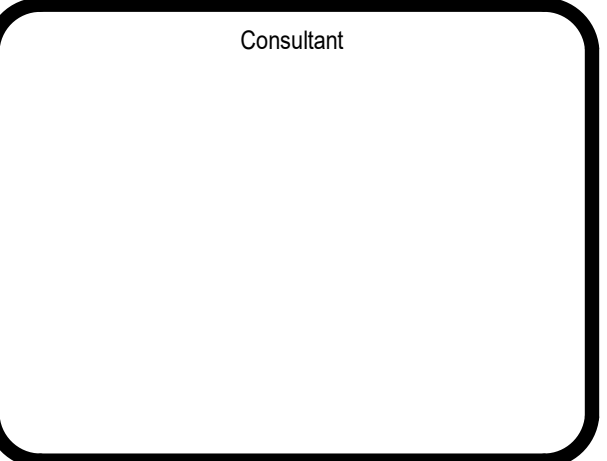
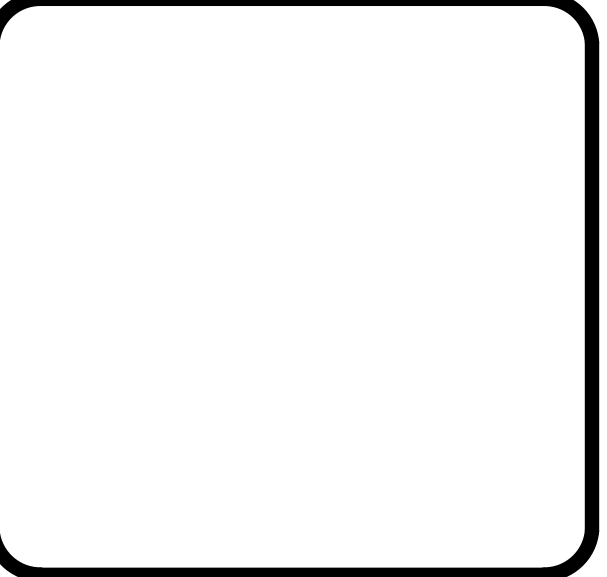
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This document is for plan review only



ARCHITECT ANAHEIM PBK Architects, Inc.
2400 East Katella Ave, Suite 950
Anaheim, CA 92806
P 949-548-5000

GUIN FOSS ELEMENTARY SCHOOL RELOCATABLE ADDITION

PROJECT ADDRESS:
12712 Elizabeth Way,
Tustin, CA 92780

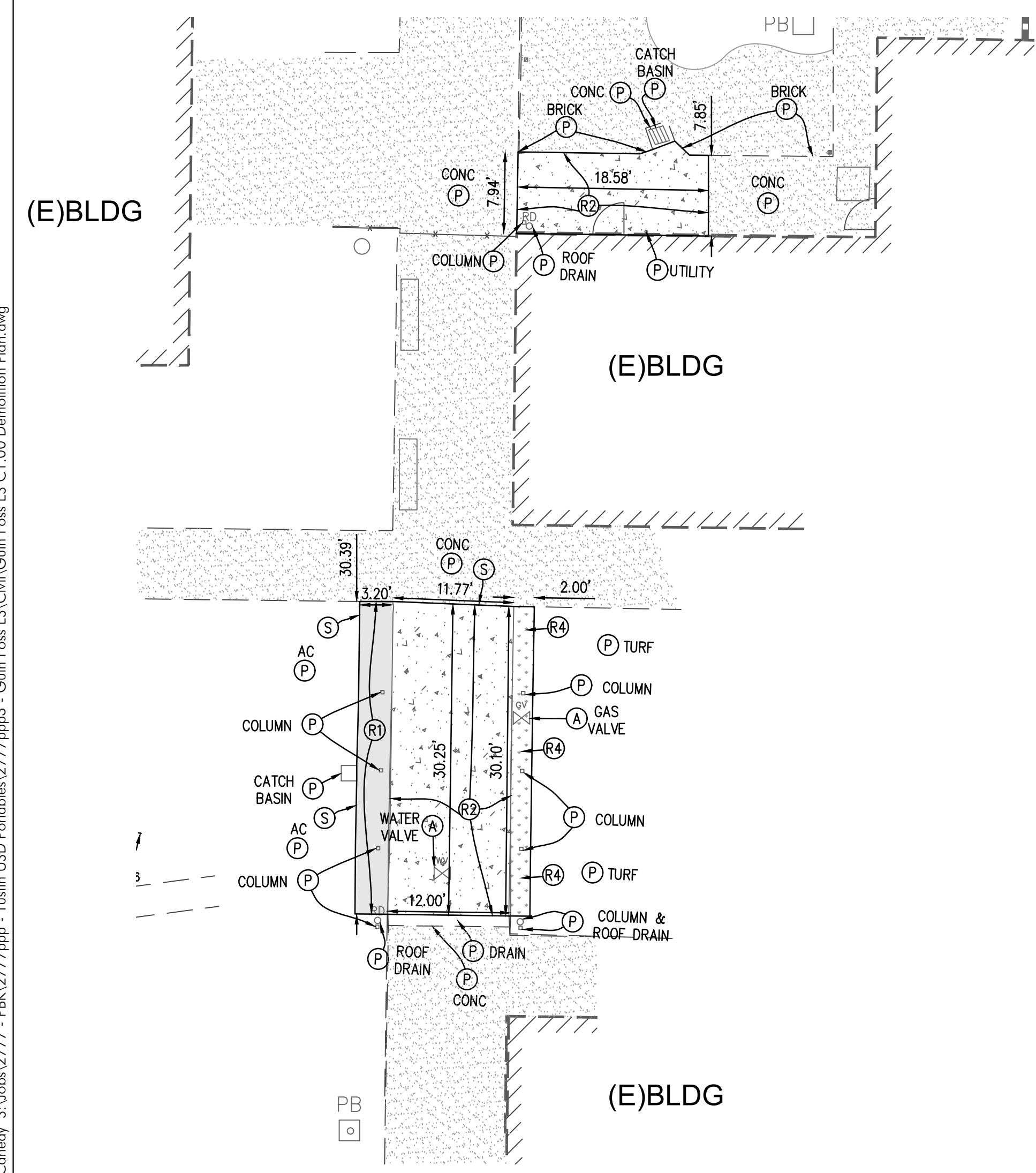
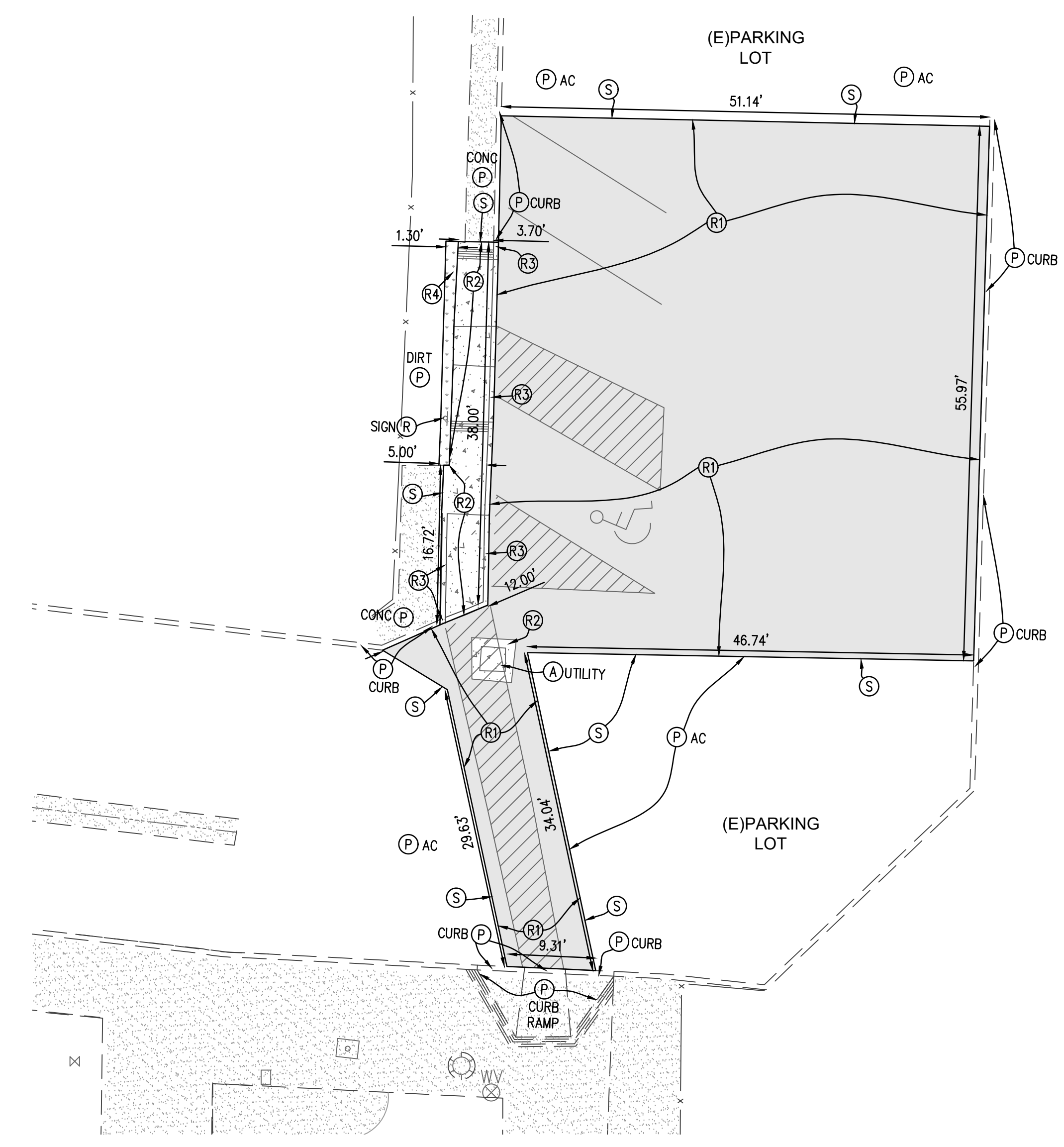
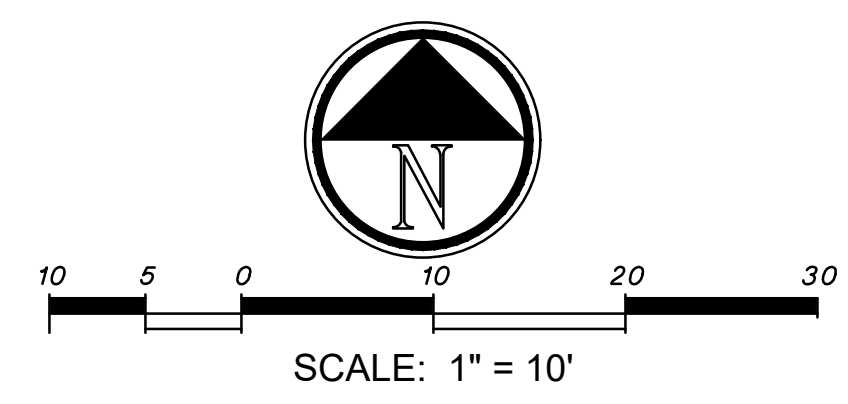
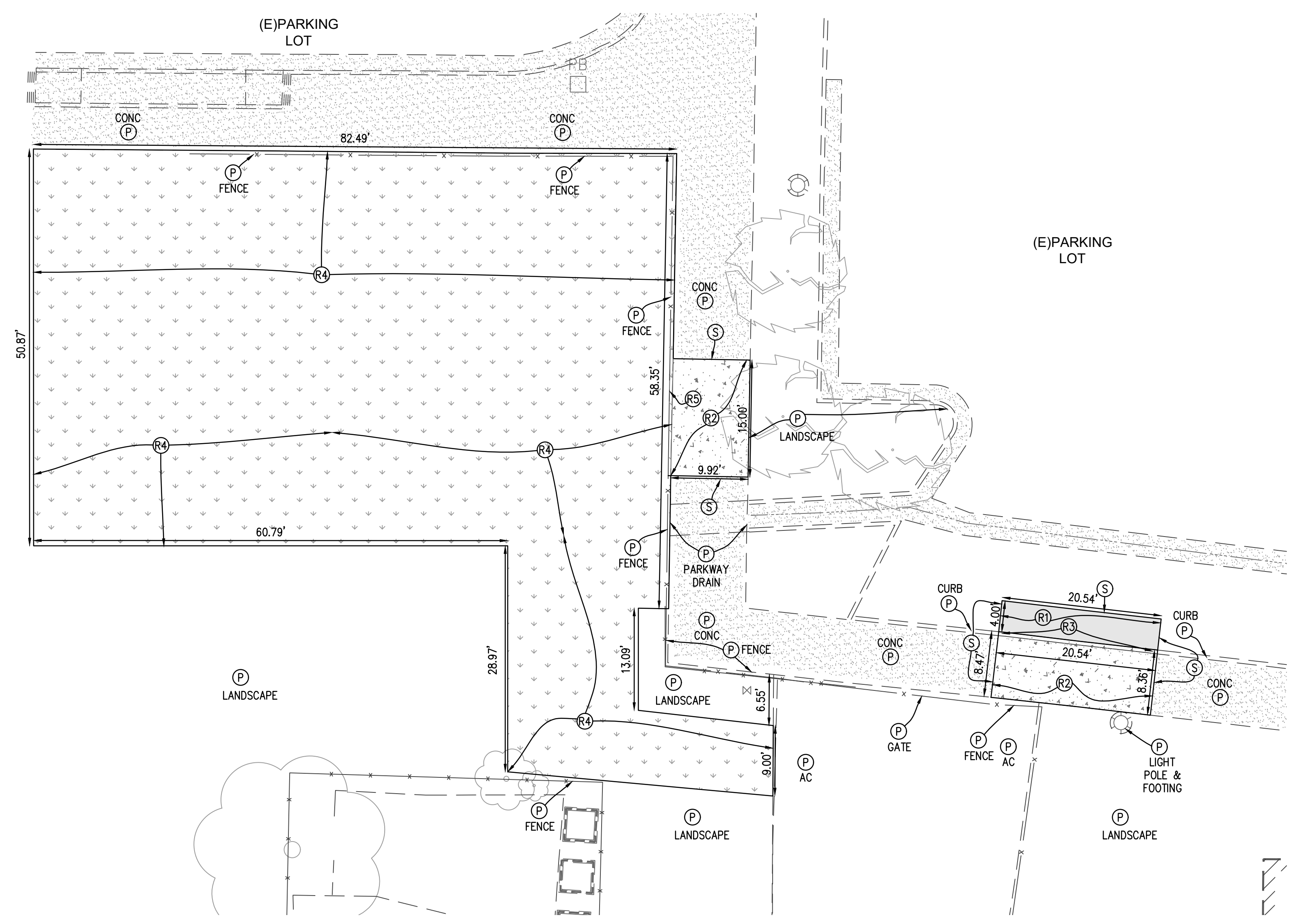


CLIENT TUSD
DATE 04/11/2024 PROJECT NUMBER 230554

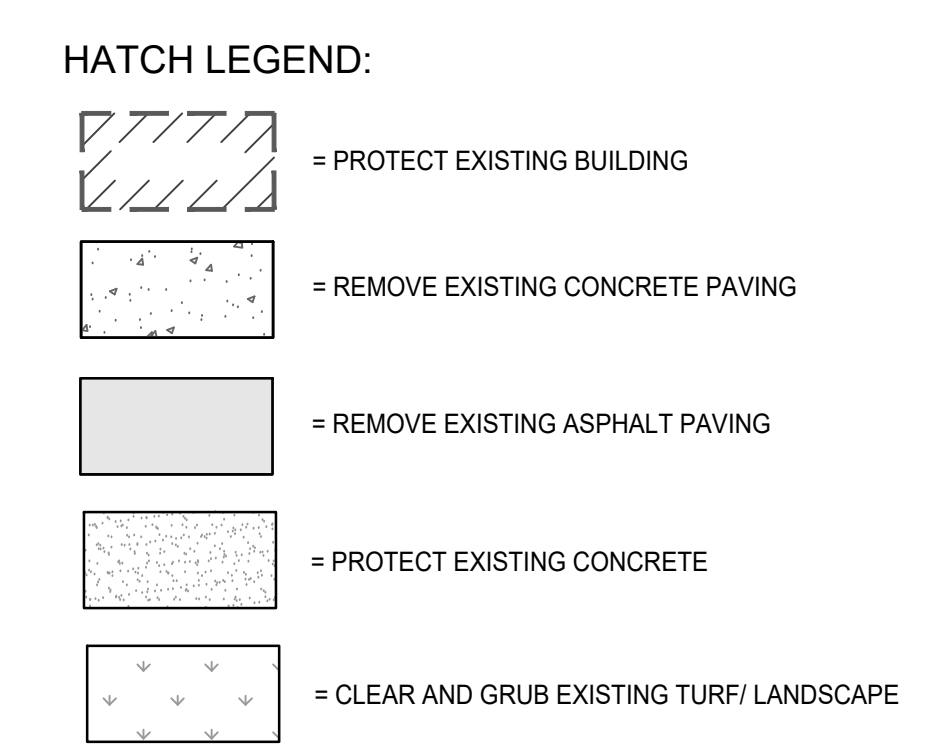
No.	Description	Date

FIRE ACCESS SITE PLAN

Plot Date: 3/25/2024 4:15:15 PM User: Siva By: rmc.connelly Login: Rmc Connelly S:\Jobs\2777 - PBK\2777.dwg - Tustin USD Formulas\2777.dwg3 - Guin Foss ES Civil\Guin Foss ES C1.00 Demolition Plan.dwg



- SITE DEMOLITION NOTES**
- (P) PROTECT EXISTING IMPROVEMENT IN PLACE.
 - (S) SAWCUT EXISTING CONCRETE WITH CLEAN EDGE.
 - (A) ADJUST TO GRADE.
 - (R) REMOVE & DISPOSE OF EXISTING IMPROVEMENT.
 - (R1) REMOVE & DISPOSE OF EXISTING ASPHALT PAVEMENT.
 - (R2) REMOVE & DISPOSE OF EXISTING CONCRETE PAVEMENT.
 - (R3) REMOVE & DISPOSE OF EXISTING ASPHALT PAVING.
 - (R4) REMOVE & DISPOSE OF EXISTING CONCRETE CURB.
 - (R5) CLEAR & GRUB EXISTING TURF LANDSCAPE.
 - (R6) REMOVE & DISPOSE 4" OF EXISTING CHAIN LINK FENCE, POSTS AND FOOTINGS FOR INSTALLATION OF NEW GATE.



EARTHWORK NOTICE TO CONTRACTOR: NO EARTHWORK ANALYSIS HAS BEEN COMPLETED WITH RESPECT TO VOLUMES OF SOILS TO BE EXCAVATED, PLACED, OR IMPORTED IN ORDER TO PROVIDE THE FINISHED GRADES SHOWN ON THE PLANS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE EARTHWORK QUANTITIES NECESSARY TO COMPLETE THE PROJECT.

CONSTRUCTION STORM WATER NOTE: GRADING WORK ASSOCIATED WITH THIS PROJECT WILL DISTURB LESS THAN 1 ACRE OF SOIL AND THUS SHALL NOT BE SUBJECT TO COMPLY WITH THE NPDES GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION AND LAND DISTURBANCE ACTIVITIES (GENERAL PERMIT) ORDER WQ 2022-0057-DWQ.

GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

NOTE TO CONTRACTOR: BEFORE DEMOLITION OR TRENCHING OCCURS, THE CONTRACTOR SHALL COMPLETE AN UNDERGROUND UTILITY MAPPING SURVEY OF THE ENTIRE LIMITS OF WORK TO DETERMINE WHERE EXISTING UTILITIES ARE AND WHERE POSSIBLE UNDERGROUND CONFLICTS MAY OCCUR. PROVIDE SURVEY TO OWNER.

GENERAL DEMOLITION NOTES

1. ALL ITEMS, SHOWN ON THIS PLAN TO BE REMOVED, SHALL BE VERIFIED BY THE SCHOOL DISTRICT PRIOR TO DEMOLITION. THE CONTRACTOR SHALL MEET WITH THE SCHOOLS REPRESENTATIVE PRIOR TO CLEARING AND GRUBBING.
2. THE CONTRACTOR SHALL VERIFY THE LOCATION AND QUANTITY OF EXISTING SURFACE STRUCTURES AND SHALL BE SOLELY RESPONSIBLE FOR ANY UNIDENTIFIED UTILITIES, IMPROVEMENTS, TREES, ETC., TO BE DEMOLISHED AND REMOVED WITHIN THE DEMOLITION LIMIT LINE, INCLUDING APPURTENANT FOUNDATIONS OR SUPPORTS.
3. REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIAL.
4. ALL CONCRETE & CMU BLOCK WALLS & PLANTERS SHOWN ON THIS PLAN TO BE REMOVED SHALL INCLUDE WALL FOOTINGS & FOUNDATIONS IN THEIR REMOVAL.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FIELD VERIFY AND FULLY ACKNOWLEDGE THE EXTENT OF THE DEMOLITION WORK. ALL ITEMS TO BE REMOVED SHALL BE MARKED BY THE CONTRACTOR PRIOR TO DEMOLITION.
6. DAMAGE TO ANY EXISTING UTILITIES AND SERVICES WHICH ARE TO REMAIN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR AND/OR REPLACE IN KIND.
7. TEMPORARY EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO PREVENT DEBRIS AND UNSUITABLE MATERIALS FROM ENTERING STORM DRAIN, SANITARY SEWERS AND STREETS.
8. DUST CONTROL SHALL BE IMPLEMENTED DURING DEMOLITION.
9. THE PROVISIONS OF CALIFORNIA FIRE CODE CHAPTER 14 AND CALIFORNIA BUILDING CODE CHAPTER 37 SHALL BE ENFORCED ON THIS PROJECT.
10. THE CONTRACTOR SHALL PREPARE HIS OWN UNDERGROUND UTILITY MAPPING SURVEY OF THE SITE AND MARK, WITH PAINT, THE LOCATIONS OF ALL EXISTING UTILITIES FOUND PRIOR TO DEMOLITION.
11. THE CONTRACTOR SHALL DEMOLISH AND REMOVE ALL LANDSCAPING WATERING SYSTEMS WITHIN THE DEMOLITION LIMIT LINE UNLESS DESIGNATED TO REMAIN IN PLACE ON THE PLANS. WHERE THE DEMOLITION IMPACTS EXISTING LANDSCAPE TO REMAIN MODIFY THE EXISTING IRRIGATION SYSTEM, INCLUDING ADDING IRRIGATION HEADS AS NECESSARY TO MAINTAIN COMPLETE AND FULL COVERAGE OF EXISTING PLANNING.
12. CONTRACTOR SHALL NOT DAMAGE ANY PUBLIC SIDEWALK DURING THE COURSE OF HIS WORK. THE USE OF SHORING ON SCHOOL PROPERTY WILL BE REQUIRED TO PROTECT THE PUBLIC SIDEWALK IF NECESSARY.
13. THE CONTRACTOR SHALL BACKFILL SOIL IN THE EXCAVATED TREE ROOT PITS AND THE TRENCHES FOR REMOVED EXISTING UNDERGROUND STRUCTURES, UTILITIES, AND IMPROVEMENTS.
14. THE CONTRACTOR SHALL NOT ABANDON-IN-PLACE ANY EXISTING UNDERGROUND STRUCTURE, UTILITY, OR IMPROVEMENT SO DESIGNATED FOR REMOVAL ON THE PROJECT PLANS UNLESS DIRECTED TO BY THE OWNER.
15. CONTRACTOR TO SAWCUT ALL EXISTING A.C. AND CONCRETE PAVEMENT AT DEMOLITION LIMIT LINE. CONTRACTOR SHALL REMOVE SIDEWALK, CURB & GUTTER TO THE NEAREST JOINT.
16. CONTRACTOR SHALL REPLACE ALL EXISTING IMPROVEMENTS OUTSIDE THE DEMOLITION LIMIT LINE THAT ARE DAMAGED DURING CONSTRUCTION TO MATCH EXISTING, INCLUDING PERMANENT TRENCH RESURFACING.
17. CONTRACTOR SHALL FIELD VERIFY THAT THE REMOVAL OF EXISTING UTILITIES WILL NOT IMPACT AREA OPERATIONS.
18. BEFORE EXCAVATING ANY TRENCH 5 FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL SUBMIT A DETAILED PLAN TO THE SCHOOL SHOWING THE DESIGN OF SHORING, BRACING, SLOPING, OR OTHER PROVISIONS TO BE MADE FOR THE WORKERS' PROTECTION FROM THE HAZARD OF CAVING GROUND DURING THE EXCAVATION OF SUCH TRENCH. IF THE PLAN VARIES FROM THE SHORING SYSTEM STANDARDS, THE PLAN SHALL BE PREPARED BY A REGISTERED CIVIL ENGINEER. NO EXCAVATION SHALL START UNTIL THE SCHOOL HAS ACCEPTED THE PLAN AND THE CONTRACTOR HAS OBTAINED A PERMIT FROM THE STATE DIVISION OF INDUSTRIAL SAFETY.
19. CONTRACTOR IS RESPONSIBLE TO KEEP ALL UTILITIES OPERATIONAL THAT SERVES FACILITIES OUTSIDE THE SCOPE OF THE DEMOLITION ZONE. CONTRACTOR IS ALSO RESPONSIBLE TO REROUTE UTILITIES IF NECESSARY TO COMPLETE DEMOLITION.
20. CONTRACTOR SHALL INSTALL A TEMPORARY MINIMUM 8' HIGH CHAIN LINK CONSTRUCTION FENCE, WITH GREEN SCREEN, AROUND PERIMETER OF DEMOLITION AREA.
21. ALL EXISTING DRAINAGE STRUCTURES ON SITE SHALL BE PROTECTED AND REMAIN FUNCTIONAL DURING DEMOLITION AND THROUGH THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THESE STRUCTURES, OR DAMAGE CAUSED TO ADJACENT PROPERTIES DUE TO THE OBSTRUCTION OF THESE STRUCTURES.
22. CONTRACTOR SHALL COMPLY WITH CALIFORNIA FIRE CODE CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.

PLANS PREPARED BY:
FPL FPL and Associates, Inc.
 Traffic • Transportation • Civil
 30 Corporate Park, Suite 401
 Irvine, CA 92606
 Phone: 949-252-1688

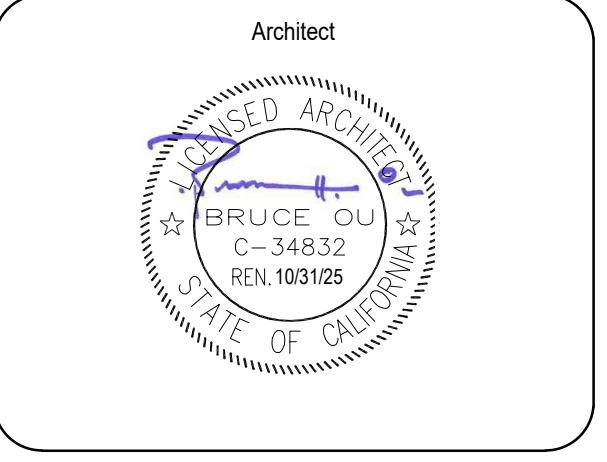
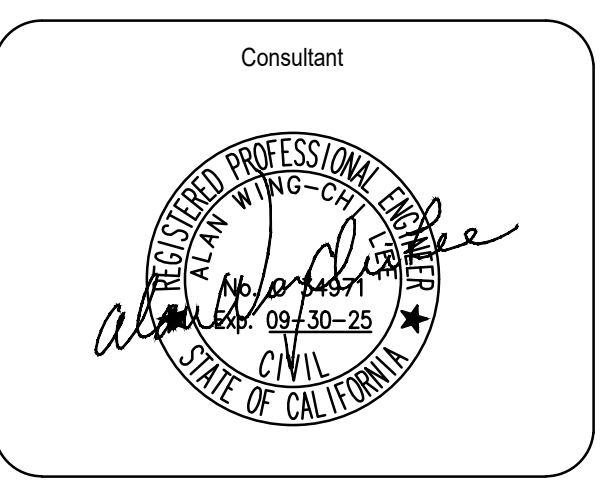


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GUIN FOSS ELEMENTARY SCHOOL

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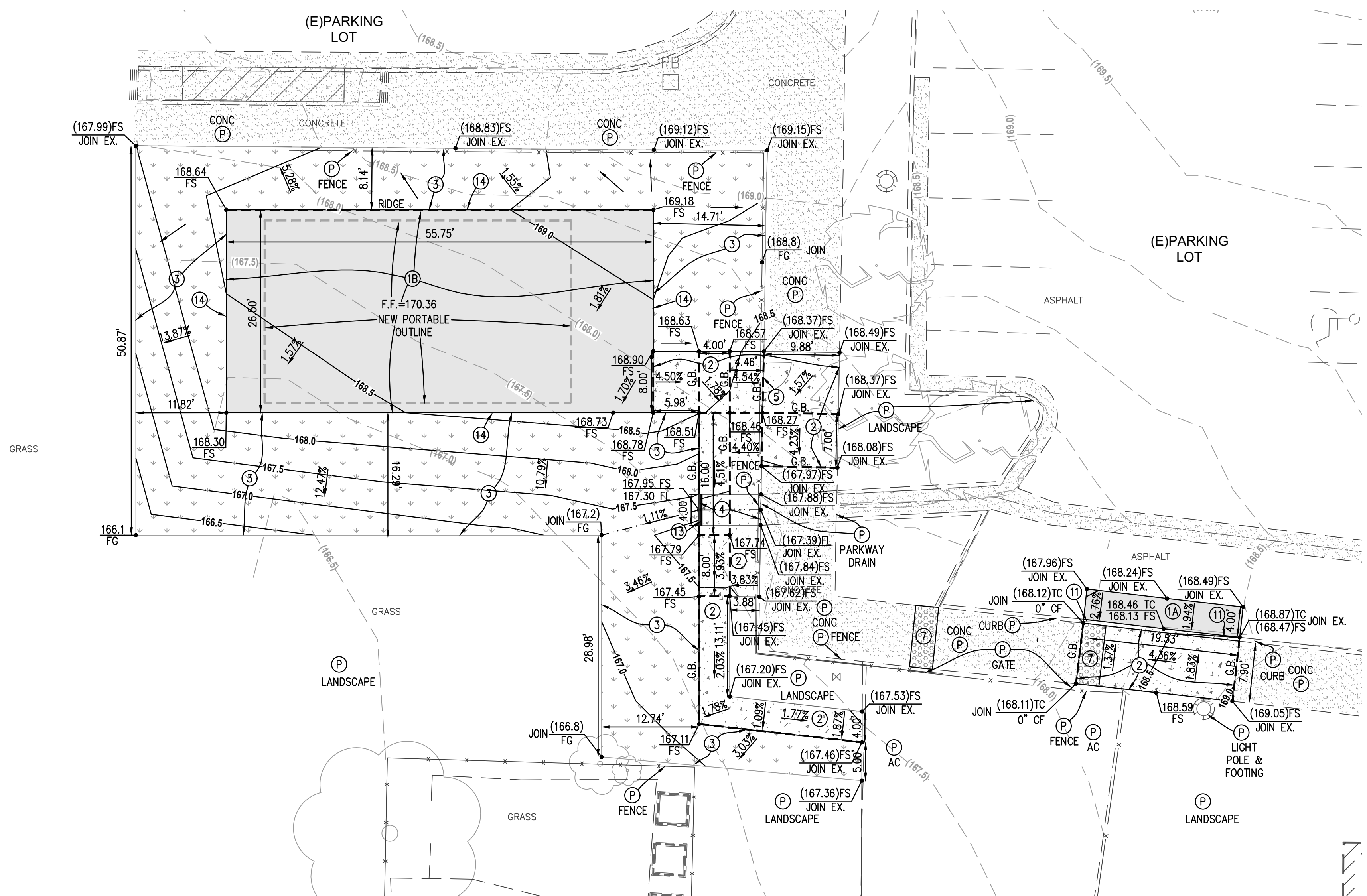


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DATE	PROJECT NUMBER
REVISIONS	

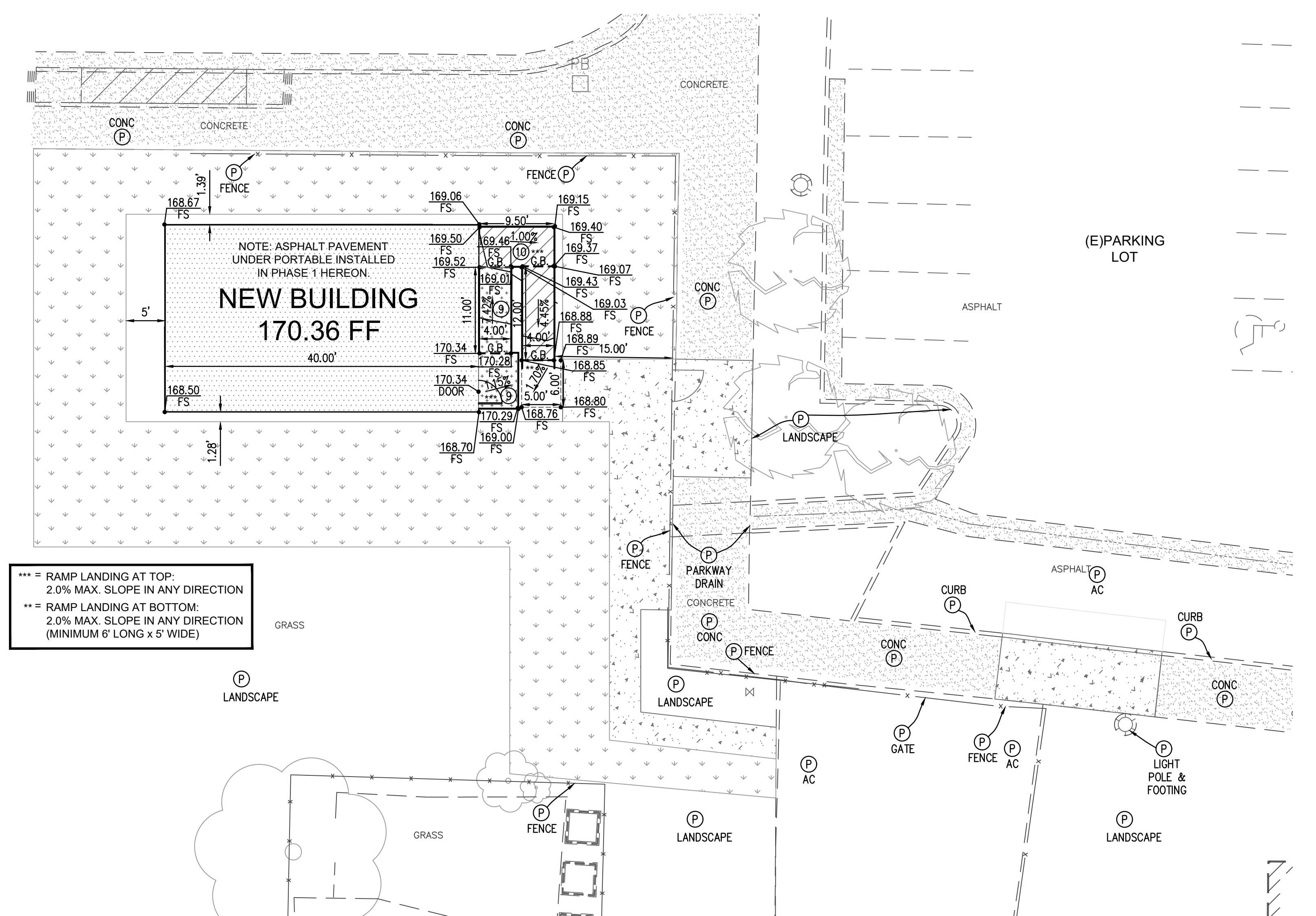
SITE DEMOLITION PLAN

C1.00

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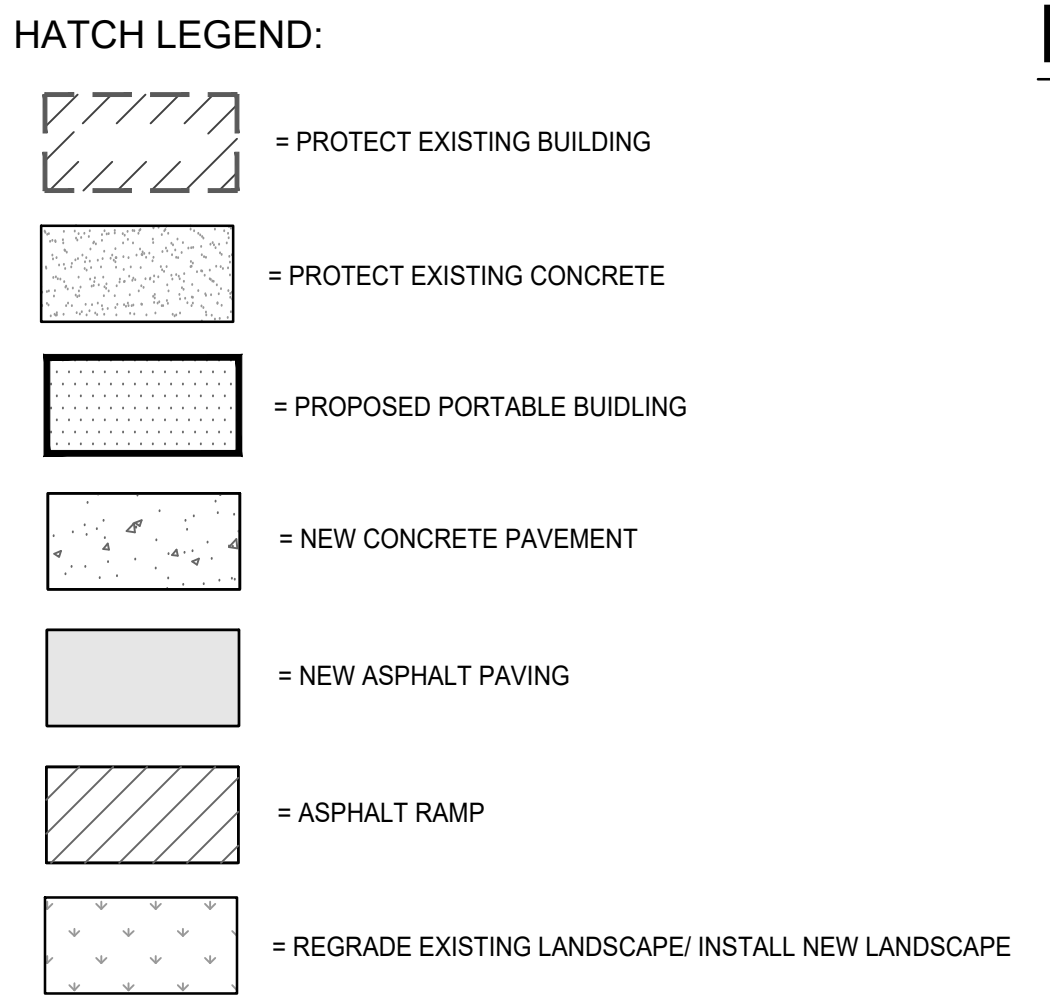


PHASE 1 ASPHALT PAVEMENT INSTALLATION
SCALE: 1" = 10'



PHASE 2 PORTABLE BUILDING INSTALLATION
SCALE: 1" = 10'

- CONSTRUCTION NOTES**
1. PROTECT EXISTING IMPROVEMENT IN PLACE.
 2. ADJUST EXISTING UTILITY TO BE FLUSH WITH ULTIMATE FINISH SURFACE.
 3. CONSTRUCT ASPHALT PAVEMENT SECTION, LIGHT DUTY, PER TABLE 1C3.00.
 4. CONSTRUCT ASPHALT PAVEMENT SECTION, HEAVY DUTY, PER TABLE 1C3.00.
 5. CONSTRUCT ASPHALT PAVEMENT SECTION PER DETAIL 1B/C3.00.
 6. CONSTRUCT CONCRETE PAVEMENT PER DETAIL 2/C3.00.
 7. REGRADE EXISTING LANDSCAPE & REINSTALL NEW LANDSCAPE PER GRADES HEREON.
 8. CONSTRUCT PARKWAY DRAIN WITH INLET TYPE 2, PER GREEN BOOK STANDARD 151-3/C3.01. MATCH THE WIDTH OF THE EXISTING PARKWAY DRAIN.
 9. CONSTRUCT GATE PER ARCHITECTURAL PLANS.
 10. CONSTRUCT REDWOOD HEADER PER DETAIL 6/C3.00.
 11. CONSTRUCT TRUNCATED DOMES PER ARCHITECTURAL PLANS.
 12. CONSTRUCT 0' HIGH CONCRETE CURB PER DETAIL 8/C3.00.
 13. CONSTRUCT PORTABLE BUILDING RAMP PER GRADES HEREON OVER EXISTING ASPHALT.
 14. CONSTRUCT ASPHALT RAMP WITH METAL HANDRAILS PER ARCHITECTURAL DETAIL AND GRADES HEREON.
 15. CONSTRUCT CONCRETE CURB PER DETAIL 3/C3.00 AND GRADES HEREON.
 16. CONSTRUCT WHEEL STOP PER ARCHITECTURAL PLANS.
 17. CONSTRUCT 42" GUARDRAIL PER ARCHITECTURAL PLANS.



NEW PORTABLE BUILDING EXCAVATION NOTE:
EXCAVATION FOR THE NEW PORTABLE BUILDINGS FOOTPRINT SHALL EXTEND A MINIMUM 2 FEET BELOW THE EXISTING GRADE. LATERAL LIMITS OF EXCAVATION SHALL EXTEND A MINIMUM 3 FEET BEYOND THE OUTER EDGES OF THE NEW BUILDING PERIMETER.

THE EXTENT AND DEPTHS OF ALL REMOVAL SHOULD BE EVALUATED BY A GEOTECHNICAL REPRESENTATIVE IN THE FIELD BASED ON THE MATERIALS EXPOSED. SHOULD EXCAVATIONS EXPOSE SOFT SOILS OR SOILS CONSIDERED UNSUITABLE FOR USE AS FILL BY A GEOTECHNICAL REPRESENTATIVE, ADDITIONAL REMOVALS MAY BE RECOMMENDED. FOR EXAMPLE, DEEPER REMOVAL MAY BE REQUIRED IN AREAS WHERE SOFT, SATURATED, OR ORGANIC MATERIALS ARE ENCOUNTERED.

THE EXPOSED EXCAVATION BOTTOM SHOULD BE EVALUATED AND APPROVED BY A GEOTECHNICAL ENGINEER. THE BOTTOM SHOULD THEN BE SCARIFIED TO A MINIMUM DEPTH OF 8 INCHES AND MOISTURE CONDITIONED TO ACHIEVE GENERALLY CONSISTENT MOISTURE CONTENTS WITHIN APPROXIMATELY 2 PERCENT ABOVE THE OPTIMUM MOISTURE CONTENT. THE SCARIFIED BOTTOM SHOULD BE COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION IN ACCORDANCE WITH THE LATEST VERSION OF ASTM TEST METHOD D1557 AND THEN EVALUATED AND APPROVED BY A GEOTECHNICAL ENGINEER. HOWEVER, THE SCARIFICATION AND RE-COMPACTION ARE NOT REQUIRED, IF THE BOTTOM IS FIRM AND UNDISTURBED AND THE RELATIVE COMPACTION IS TESTED AT LEAST 90%, IN WHICH CASE, THE BOTTOM SHOULD BE ROLLED, AND MEASURES SHOULD BE TAKEN TO PREVENT SUBGRADE DISTURBANCE.

- GENERAL NOTES TO CONTRACTOR**
1. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 7-10, PUBLIC CONVENIENCE AND SAFETY, OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK), IN REGARDS TO SAFETY ORDERS.
 2. SCOPE OF WORK:
 - A. PROVIDE ALL LABOR, SUPERVISION, MATERIALS, EQUIPMENT & FACILITIES NECESSARY TO FURNISH, FABRICATE, DELIVER, STORE AND INSTALL ALL WORK NOTED ON THE DRAWINGS.
 - B. THE CONTRACTOR SHALL FURNISH & INSTALL ALL WORK NECESSARY TO MAKE A COMPLETE SYSTEM WHETHER OR NOT SUCH DETAILS ARE MENTIONED IN THESE SPECIFICATIONS OR SHOWN ON THE PLANS, BUT WHICH ARE OBVIOUSLY NECESSARY TO MAKE A COMPLETE SYSTEM, EXCEPTING ONLY THOSE PORTIONS THAT ARE SPECIFICALLY MENTIONED HEREIN OR PLAINLY MARKED ON THE ACCOMPANYING DRAWINGS AS BEING INSTALLED UNDER ANOTHER SECTION OF THE SPECIFICATION.
 3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY AVAILABLE SPACES FOR INSTALLING THE WORK.
 4. COORDINATION: THE DRAWINGS ARE DIAGRAMMATIC & INTENDED TO SHOW SCOPE. CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES TO PROVIDE BEST ARRANGEMENT OF ALL DUCT, PIPES, CONDUIT, ETC.
 5. WORKMANSHIP: THE WORK SHALL BE ACCOMPLISHED BY THE USE OF COMPETENT MECHANICS SKILLED IN THEIR TRADE. THE ENGINEER AND ARCHITECT SHALL HAVE THE RIGHT TO INTERPRET COMPLIANCE OF WORKMANSHIP WITH THE CONTRACT DOCUMENTS.
 6. MATERIALS: ALL MATERIALS, APPLIANCES & EQUIPMENT SHALL BE NEW & THE BEST OF THEIR RESPECTIVE KIND, FREE FROM ALL DEFECTS AND OF THE MAKE, BRAND, AND QUANTITY SPECIFIED.
 7. CLEANUP: UPON COMPLETION OF THE WORK UNDER THIS SECTION THE CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIALS, EQUIPMENT & DEBRIS INCIDENTAL TO THIS WORK & LEAVE THE PREMISES CLEAN AND ORDERLY TO THE SATISFACTION OF THE ARCHITECT / OWNER.

- GENERAL NOTES FOR GRADING**
1. ALL WORK SHALL CONFORM WITH THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC), 2021 EDITION AND THE LATEST REVISIONS THEREOF. THE WORK AREA TRAFFIC CONTROL HANDBOOK (W.A.T.C.H. MANUAL), A.D.A. TITLE 24 REQUIREMENTS, AND 2022 C.B.C. UNLESS SPECIFIED OTHERWISE IN THE CONTRACT SPECIFICATIONS.
 2. A COPY OF THE DIVISION OF STATE ARCHITECT APPROVED PLANS MUST BE IN THE POSSESSION OF A RESPONSIBLE PERSON AND AVAILABLE AT THE JOB SITE AT ALL TIMES.
 3. THROUGHOUT ALL PHASES OF CONSTRUCTION, INCLUDING SUSPENSION OF WORK, UNTIL FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL KEEP THE WORK SITE CLEAN AND FREE FROM RUBBISH AND DEBRIS. THE CONTRACTOR SHALL ALSO ABATE DUST NUISANCE BY CLEANING, SWEEPING AND SPRINKLING WITH WATER AND USING DUST FENCES OR OTHER METHODS AS DIRECTED BY THE CONSTRUCTION MANAGER OR FIELD INSPECTOR THROUGHOUT THE CONSTRUCTION OPERATION AND SHALL INCORPORATE IN BASE BID.
 4. THE CONTRACTOR SHALL KEEP A STRICT RECORD OF ALL CHANGES THAT OCCUR DURING CONSTRUCTION PRACTICES AND SUBMIT THIS RECORD TO THE SCHOOL DISTRICT & DSA CERTIFIED AS "RECORD DRAWING" PLANS.
 5. ALL DAMAGE CAUSED TO PUBLIC STREETS, INCLUDING HAUL ROUTES, ALLEYS, SIDEWALKS, CURBS OR STREET FURNISHINGS, OR TO PRIVATE PROPERTY SHALL BE REPAIRED AT THE SOLE EXPENSE OF THE CONTRACTOR TO THE ENGINEER'S SATISFACTION.
 6. THE CONTRACTOR SHALL REMOVE AND REPLACE ANY BROKEN OR DAMAGED SIDEWALK, CURB, GUTTER OR ASPHALT PAVING AND TURF (PATCH, REPAIR OR OVERLAY) CAUSED BY THEIR WORK ON THIS PROJECT AT THE DIRECTION OF THE OWNER.
 7. ALL UNDERGROUND SEWER, STORM DRAIN, AND WATER PIPELINES, ELECTRIC POWER, TELEPHONE OR CABLE TV CONDUITS AND CABLE AND GAS PIPELINES SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF CURBS, GUTTERS, SIDEWALKS AND PAVEMENT.
 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING STORM DAMAGE PREVENTION MEASURES OR EROSION CONTROL DEVICES AND/OR TO PERFORM CERTAIN GRADING TO PREVENT SOIL OR EXCESS RUNOFF FROM FLOWING INTO PUBLIC STREETS OR ADJACENT PROPERTIES. IN THE EVENT OF SUCH AN OCCURRENCE, CLEANUP SHALL COMMENCE IMMEDIATELY. SHOULD CITY FORCES OR THE CITY CONTRACTOR PERFORM ANY CLEANUP RESULTING FROM THIS DEVELOPMENT, THE CONTRACTOR SHALL PAY THE COST INCURRED WITHIN TEN (10) WORKING DAYS UPON RECEIPT OF BILLING.
 9. EITHER WATER OR DUST PALLIATIVE, OR BOTH, MUST BE APPLIED FOR THE ALLEVIATION OR PREVENTION OF EXCESSIVE DUST RESULTING FROM THE LOADING OR TRANSPORTATION OF EARTH FROM OR TO THE PROJECT SITE OR PRIVATE AND PUBLIC ROADWAYS.
 10. NO PERSON SHALL, WHEN HAULING ANY EARTH, SAND, GRAVEL, ROCK, STONE OR OTHER EXCAVATED MATERIAL OR DEBRIS OVER ANY PUBLIC STREET, ALLEY OR OTHER PUBLIC PLACE, ALLOW SUCH MATERIAL TO BLOW OR SPILL OVER UPON SUCH STREET, ALLEY OR PUBLIC PLACE OR ADJACENT PRIVATE PROPERTY OR ANY WATER BODIES, CREEKS OR STREAMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP AND REMOVAL OF ANY CONSTRUCTION OR SOILS MATERIALS DEPOSITED ON THE PUBLIC RIGHT-OF-WAY, PUBLIC WATERS OR ADJACENT PRIVATE PROPERTY.

HORIZONTAL CONTROL
A CAD GEOMETRIC ELECTRONIC FILE SHALL BE MADE AVAILABLE TO THE CONTRACTOR UPON REQUEST FOR THE CONTRACTOR'S SURVEYOR TO LAYOUT THE CONSTRUCTION STAKING OF THE PROJECT. THE SURVEYOR OR CONTRACTOR WILL NEED TO SIGN A WAIVER FORM BEFORE RELEASE OF ANY CAD ELECTRONIC DRAWINGS.

BENCHMARK
O.C.S. VERTICAL CONTROL 3C-27-15
FOUND MONUMENT IS SET IN KNOWN SUBSIDENCE ZONE AND MAY NOT FIT ADJACENT BENCHMARKS. DESCRIBED BY OCS 2015 - FOUND 4" OCS ALUMINUM DISK, STAMPED "3C-27-15", SET IN SW'LY CORNER OF A 5' X 8' CATCH BASIN. MONUMENT IS LOCATED 40' S'LY OF THE CENTERLINE OF 17TH STREET, 150' W'LY OF THE CENTERLINE OF HEWES AVENUE AT THE 18692 17TH STREET ADDRESS.
ELEVATION=192.843 FT NGVD88 YEAR LEVELED 2015

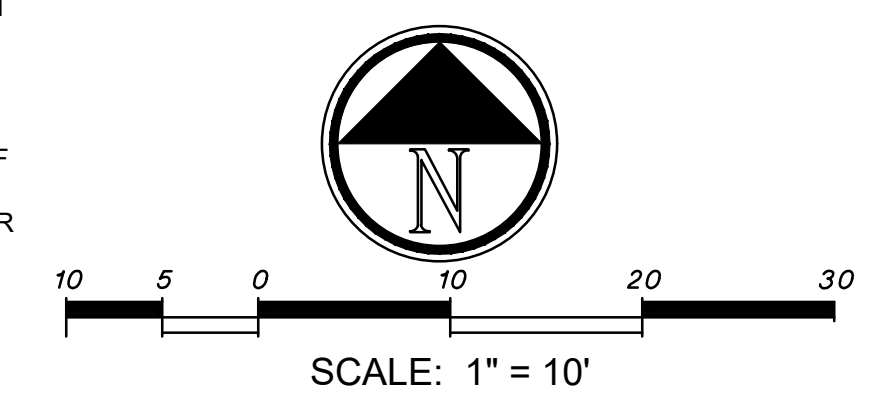
BASIS OF BEARINGS
HORIZONTAL CONTROL BASED ON THE FOLLOWING CONTROL POINTS WITHIN THE ORANGE COUNTY SURVEYOR HORIZONTAL CONTROL NETWORK, CALIFORNIA COORDINATE SYSTEM, CCS83, ZONE VI. THE BASIS OF BEARINGS FOR THIS SURVEY IS O.C.S. HORIZONTAL COORDINATE SYSTEM (NAD83), ZONE 6, AS DETERMINED LOCALLY BY THE LINE BETWEEN GPS860905 & GPS86011. THE BEARING OF SAID LINE BEING N86°23'49"W BETWEEN SAID STATIONS.
GRID TO GROUND SCALE FACTOR 1.0000217969 @ PT#5000

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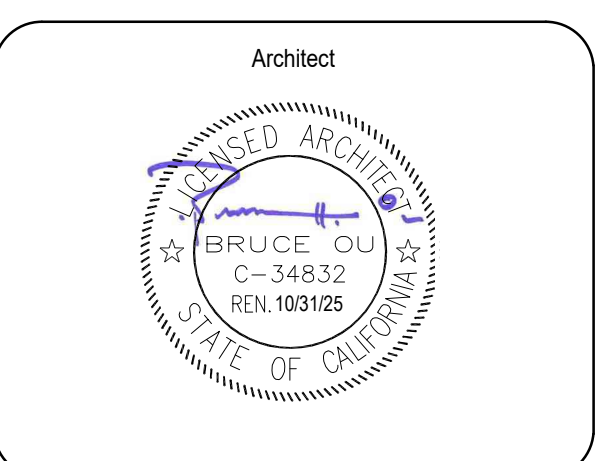
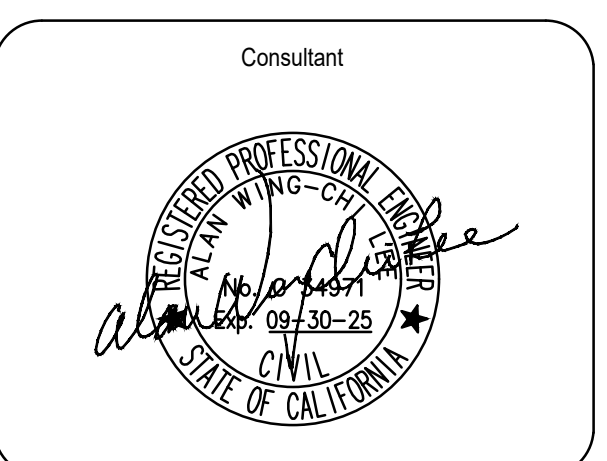


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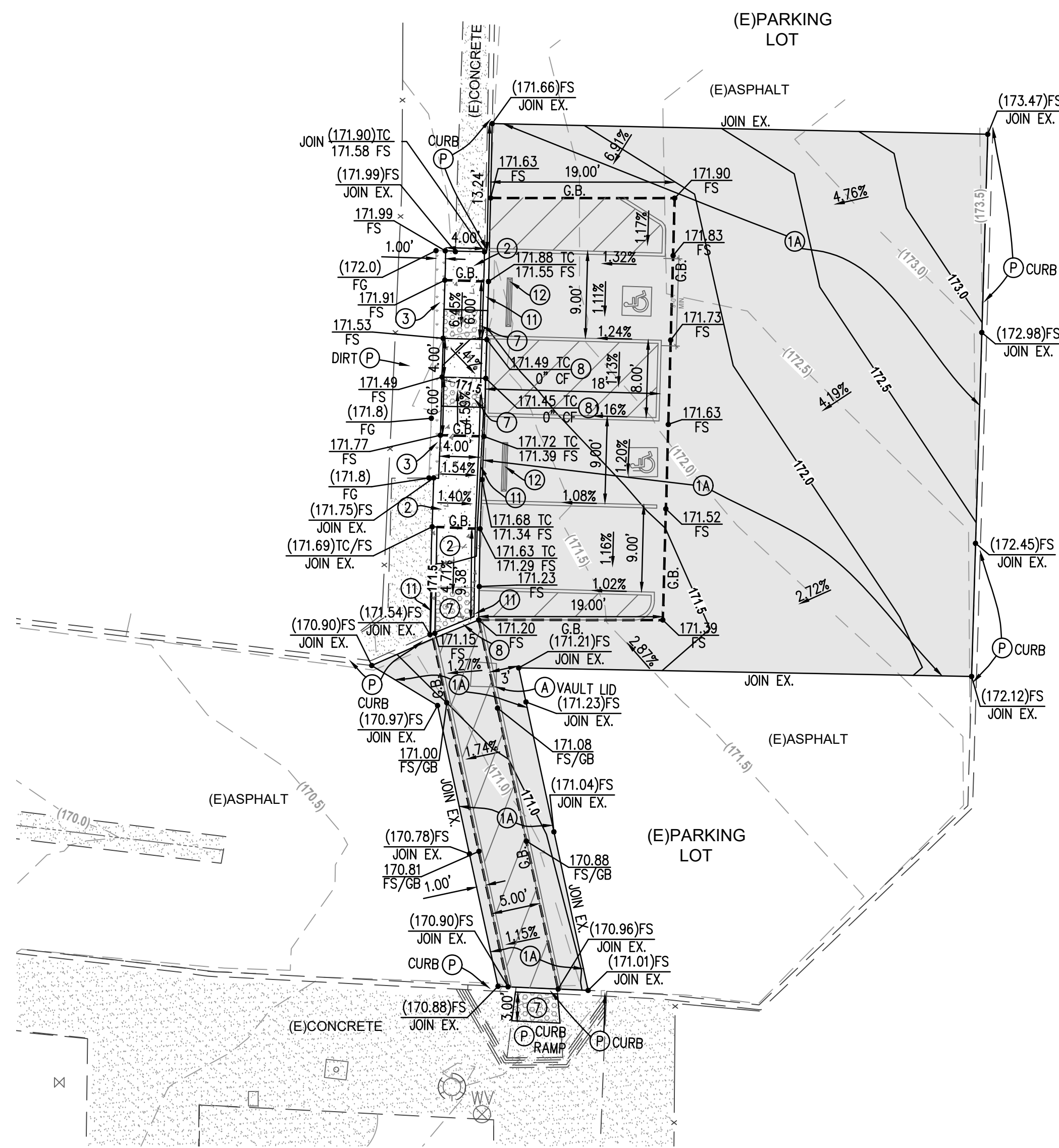
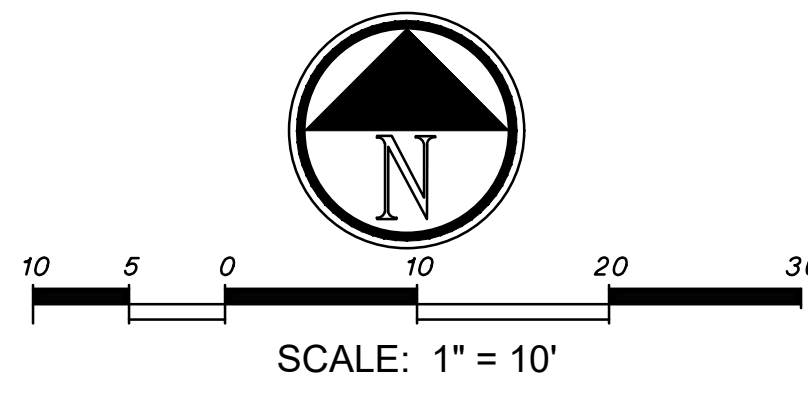
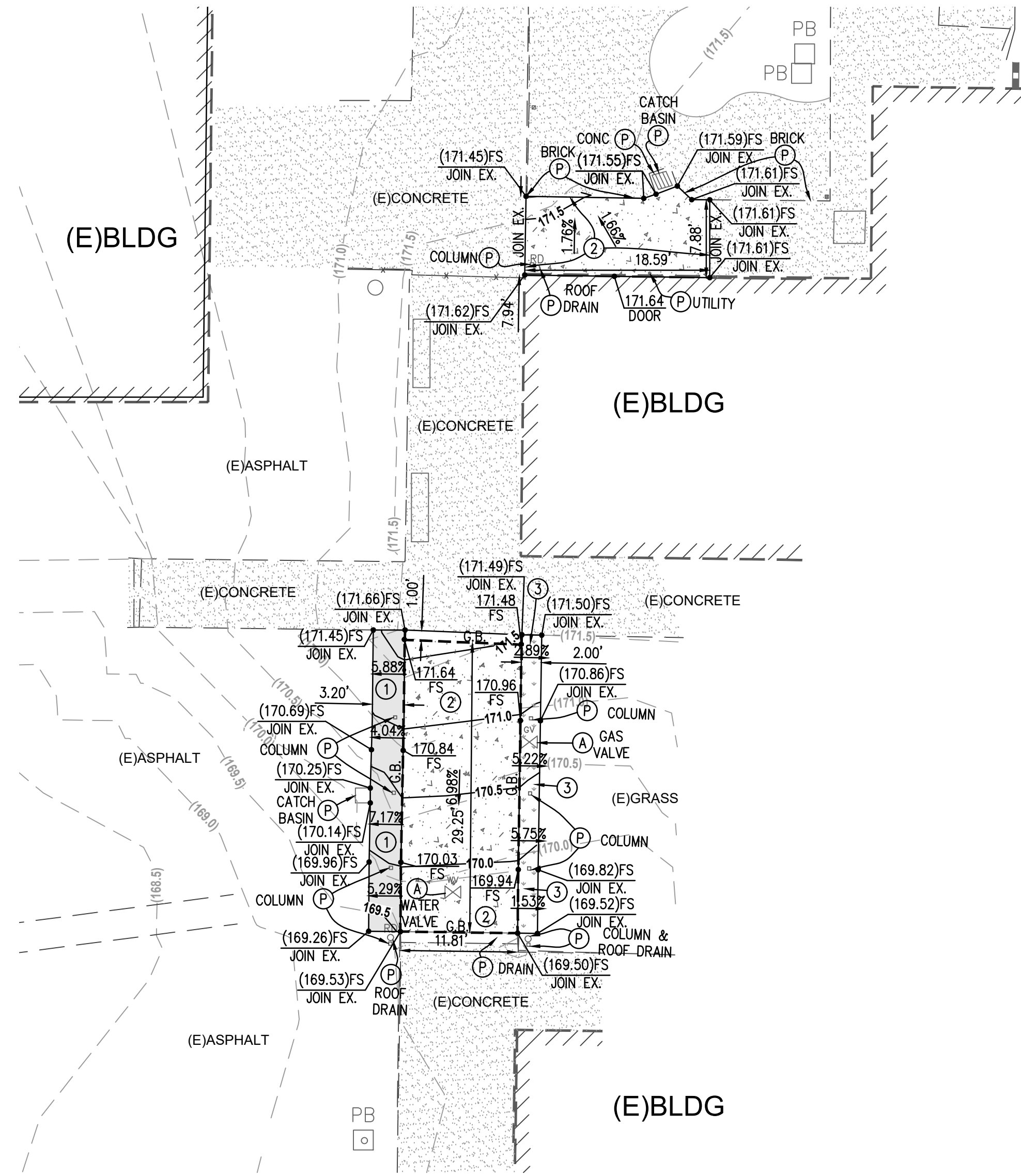


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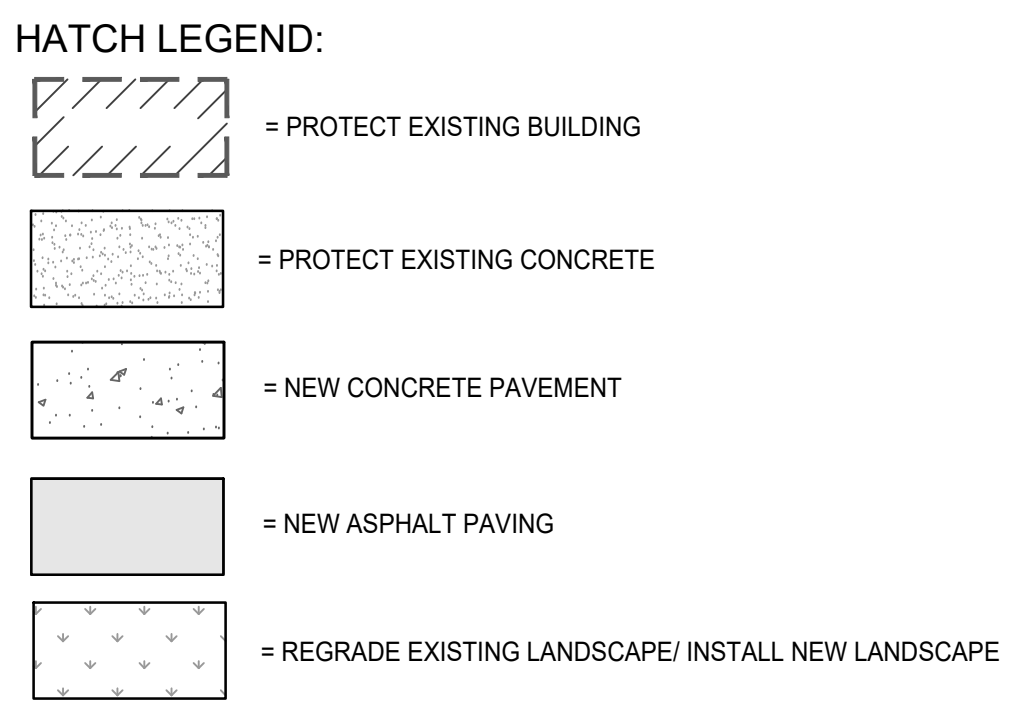
GRADING PLAN

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- CONSTRUCTION NOTES**
- (P) PROTECT EXISTING IMPROVEMENT IN PLACE.
 - (A) ADJUST EXISTING UTILITY TO BE FLUSH WITH ULTIMATE FINISH SURFACE.
 - (1) CONSTRUCT ASPHALT PAVEMENT SECTION, LIGHT DUTY, PER TABLE 11C3.00.
 - (1A) CONSTRUCT ASPHALT PAVEMENT SECTION, HEAVY DUTY, PER TABLE 11C3.00.
 - (1B) CONSTRUCT ASPHALT PAVEMENT SECTION PER DETAIL 1B1C3.00.
 - (2) CONSTRUCT CONCRETE PAVEMENT PER DETAIL 21C3.00.
 - (3) REGRADE EXISTING LANDSCAPE & REINSTALL NEW LANDSCAPE PER GRADES HEREON.
 - (4) CONSTRUCT PARKWAY DRAIN WITH INLET TYPE 2, PER GREEN BOOK STANDARD 151-3C3.01. MATCH THE WIDTH OF THE EXISTING PARKWAY DRAIN.
 - (5) CONSTRUCT GATE PER ARCHITECTURAL PLANS.
 - (6) CONSTRUCT REDWOOD HEADER PER DETAIL 61C3.00.
 - (7) CONSTRUCT TRUNCATED DOMES PER ARCHITECTURAL PLANS.
 - (8) CONSTRUCT 6" HIGH CONCRETE CURB PER DETAIL 81C3.00.
 - (9) CONSTRUCT PORTABLE BUILDING RAMP PER GRADES HEREON OVER EXISTING ASPHALT.
 - (10) CONSTRUCT ASPHALT RAMP WITH METAL HANDRAILS PER ARCHITECTURAL DETAIL AND GRADES HEREON.
 - (11) CONSTRUCT CONCRETE CURB PER DETAIL 31C3.00 AND GRADES HEREON.
 - (12) CONSTRUCT WHEEL STOP PER ARCHITECTURAL PLANS.
 - (13) CONSTRUCT 42" GUARDRAIL PER ARCHITECTURAL PLANS.



HORIZONTAL CONTROL
 A CAD GEOMETRIC ELECTRONIC FILE SHALL BE MADE AVAILABLE TO THE CONTRACTOR UPON REQUEST FOR THE CONTRACTOR'S SURVEYOR TO LAYOUT THE CONSTRUCTION STAKING OF THE PROJECT. THE SURVEYOR OR CONTRACTOR WILL NEED TO SIGN A WAIVER FORM BEFORE RELEASE OF ANY CAD ELECTRONIC DRAWINGS.

BENCHMARK
 O.C.S. VERTICAL CONTROL 3C-27-15
 FOUND MONUMENT IS SET IN KNOWN SUBSIDENCE ZONE AND MAY NOT FIT ADJACENT BENCHMARKS. DESCRIBED BY OCS 2015 - FOUND 4" OCS ALUMINUM DISK, STAMPED "3C-27-15", SET IN SWLY CORNER OF A 5' X 8' CATCH BASIN. MONUMENT IS LOCATED 40' SLY OF THE CENTERLINE OF 17TH STREET, 150' WLY OF THE CENTERLINE OF HEWES AVENUE AT THE 18692 17TH STREET ADDRESS.

ELEVATION=192.843 FT NGVD88 YEAR LEVELED 2015
BASIS OF BEARINGS
 HORIZONTAL CONTROL BASED ON THE FOLLOWING CONTROL POINTS WITHIN THE ORANGE COUNTY SURVEYOR HORIZONTAL CONTROL NETWORK, CALIFORNIA COORDINATE SYSTEM, CCS83, ZONE VII. THE BASIS OF BEARINGS FOR THIS SURVEY IS O.C.S. HORIZONTAL COORDINATE SYSTEM (NAD83), ZONE 6, AS DETERMINED LOCALLY BY THE LINE BETWEEN GPS#6065 & GPS#6011. THE BEARING OF SAID LINE BEING N86°23'49"W BETWEEN SAID STATIONS.

GRID TO GROUND SCALE FACTOR 1.0000217969 @ PT#5000

CONSTRUCTION STORM WATER NOTE:
 GRADING WORK ASSOCIATED WITH THIS PROJECT WILL DISTURB LESS THAN 1 ACRE OF SOIL AND THUS SHALL NOT BE SUBJECT TO COMPLY WITH THE NPDES STORMWATER CONSTRUCTION GENERAL PERMIT 2022-0057-DWQ.

GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

NOTE TO CONTRACTOR: BEFORE TRENCHING OR DEMOLITION OCCURS, THE CONTRACTOR SHALL COMPLETE AN UNDERGROUND UTILITY MAPPING SURVEY OF THE PROJECT AREA TO DETERMINE WERE EXISTING UTILITIES ARE AND WHERE POSSIBLE UNDERGROUND CONFLICTS MAY OCCUR.

EARTHWORK NOTICE TO CONTRACTOR: NO EARTHWORK ANALYSIS HAS BEEN COMPLETED WITH RESPECT TO VOLUMES OF SOILS TO BE EXCAVATED, PLACED, OR IMPORTED IN ORDER TO PROVIDE THE FINISHED GRADES SHOWN ON THE PLANS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE EARTHWORK QUANTITIES NECESSARY TO COMPLETE THE PROJECT.

PLANS PREPARED BY:
FPL FPL and Associates, Inc.
 Traffic • Transportation • Civil
 30 Corporate Park, Suite 401
 Irvine, CA 92606
 Phone: 949-252-1688

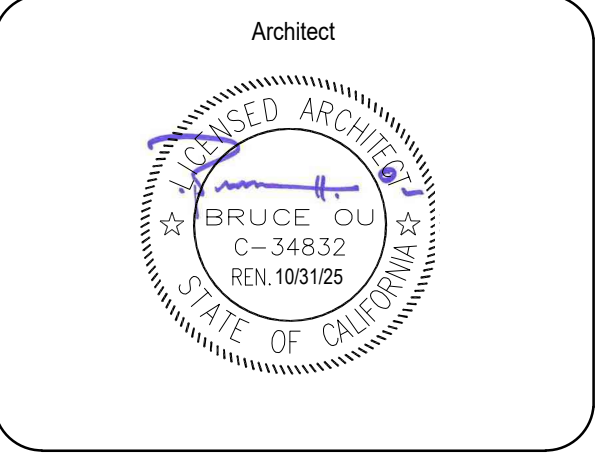
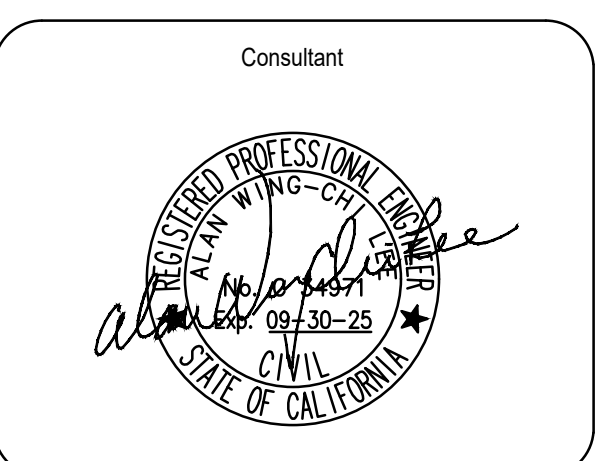


ARCHITECT
 ANAHEIM PBK Architects, Inc.
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 Anaheim, CA 92806
 P 949-548-5000

GUIN FOSS ELEMENTARY SCHOOL

PROJECT ADDRESS:
 12712 Elizabeth Way,
 Tustin, CA 92780

DSA-APPL NO.: XXXX DSA FILE NO.: XXXX

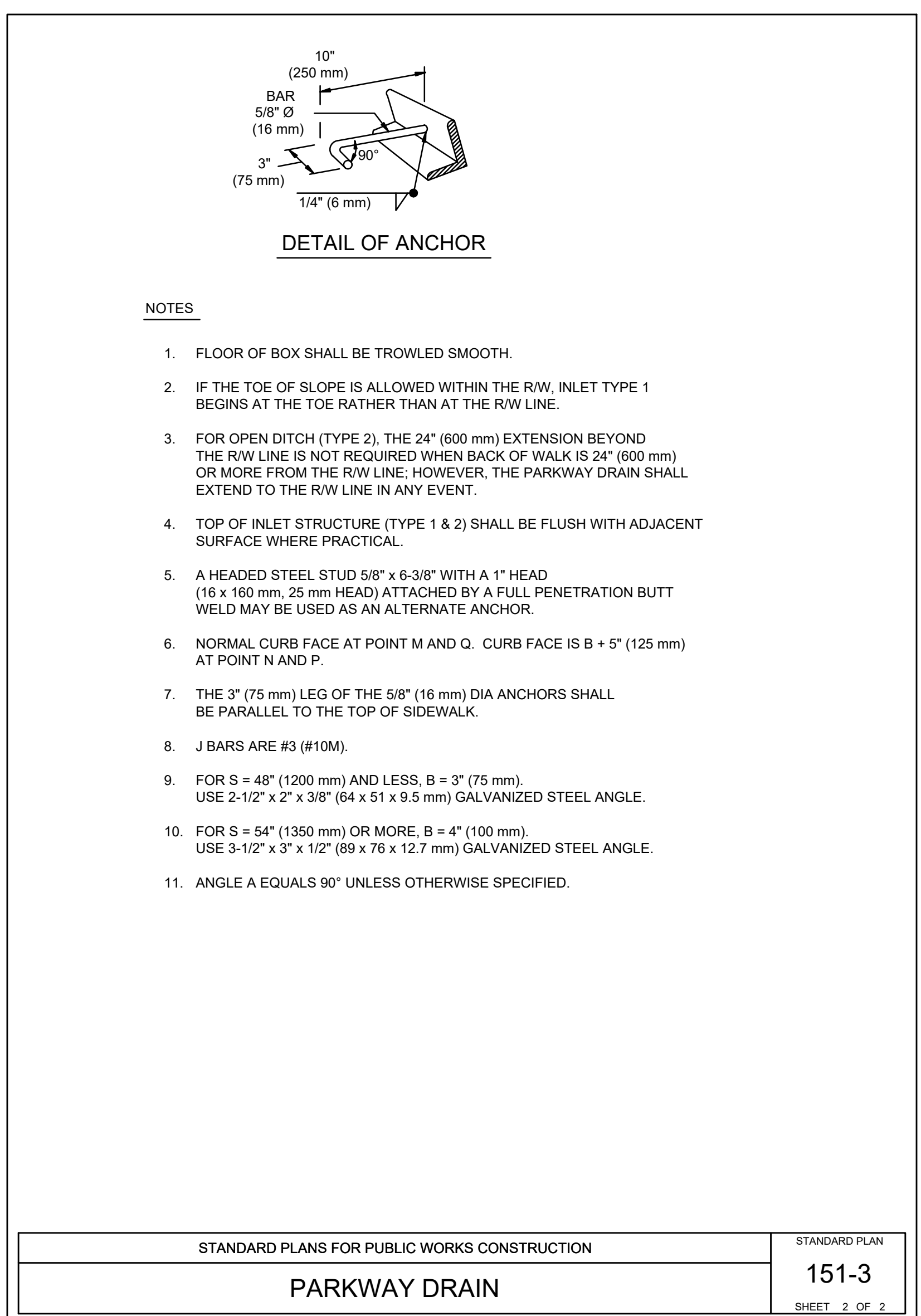
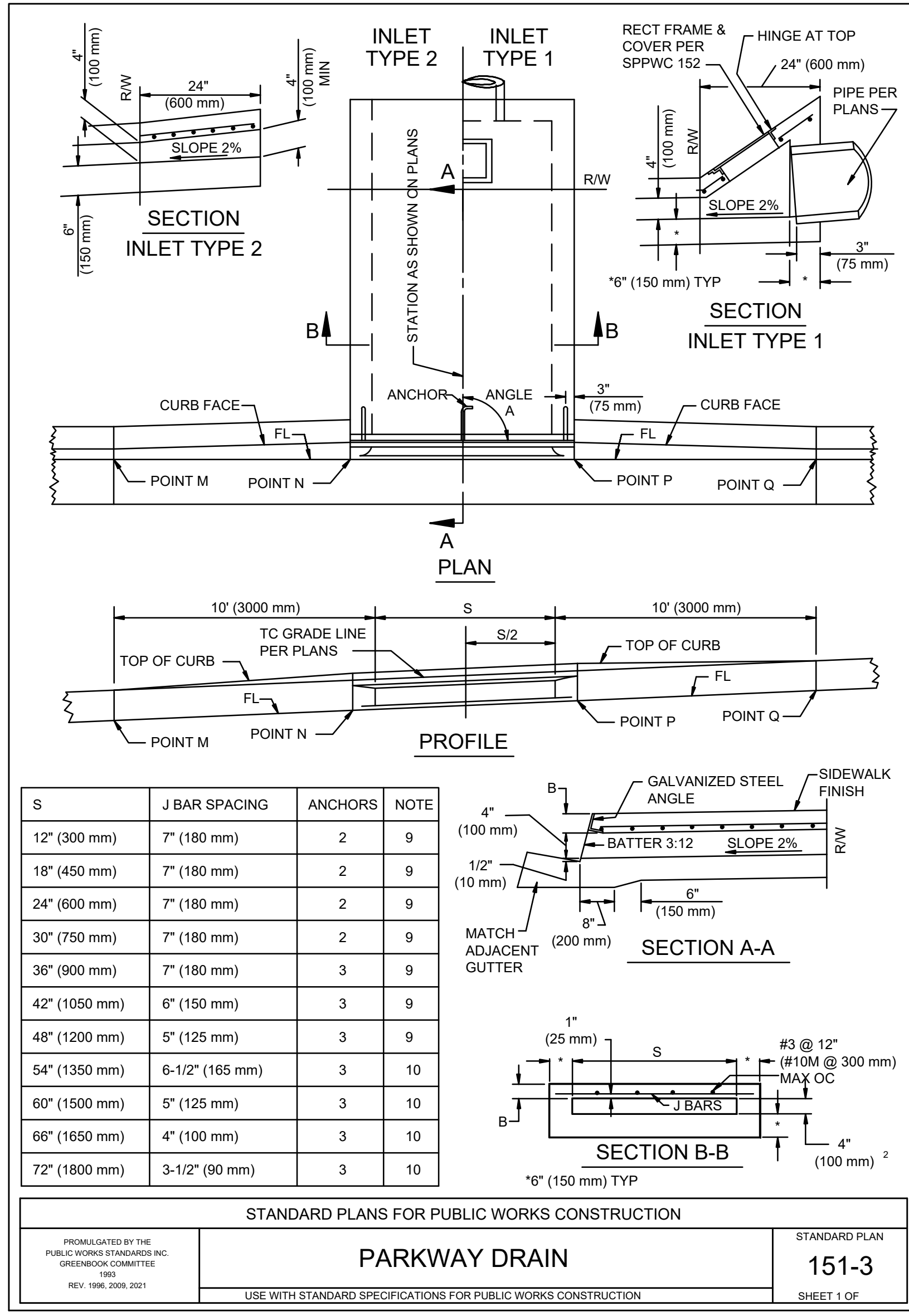


CLIENT	
DATE	PROJECT NUMBER
REVISIONS	

GRADING PLAN

C2.01

Plot Date: 3/25/2024 5:21:45 PM | User: Sme By: valeria.lamderos | Login: Ron Comely | S:\data\2777 - PBK\2777.ppp - Tustin USD Pomdallas\2777.ppp3 - Guin Foss ES\CS\Civil\Guin Foss ES C3.01 Detail Sheet.dwg



STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION		STANDARD PLAN
PROLOGATED BY THE PUBLIC WORKS STANDARDS COMMITTEE	PARKWAY DRAIN	151-3
REV. 1985 2009 2021	USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION	SHEET 1 OF 2

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION		STANDARD PLAN
PARKWAY DRAIN		151-3
		SHEET 2 OF 2

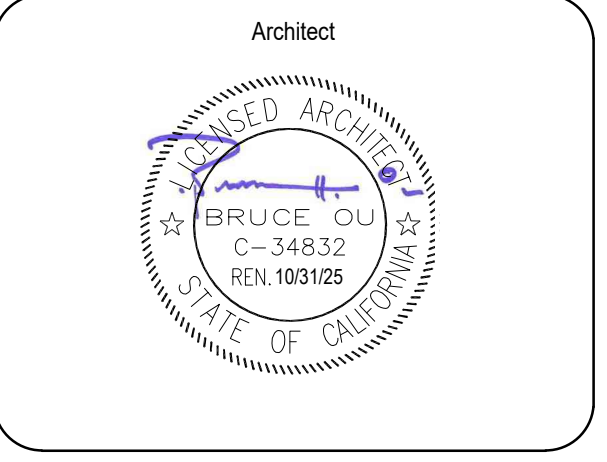
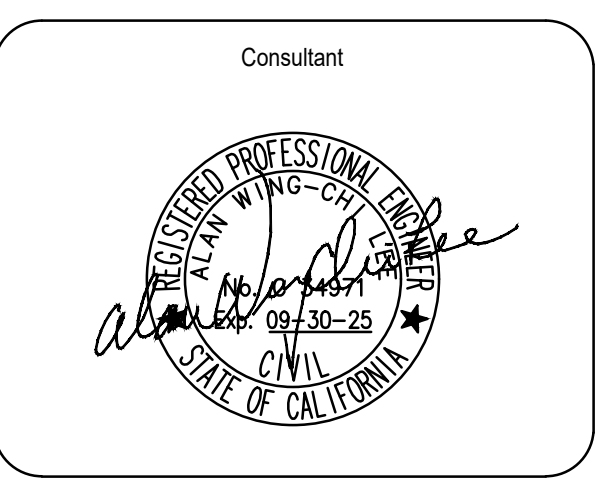


ARCHITECT
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GUIN FOSS ELEMENTARY SCHOOL

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DSA-APPL NO.: XXXX DSA-FILE NO.: XXXX

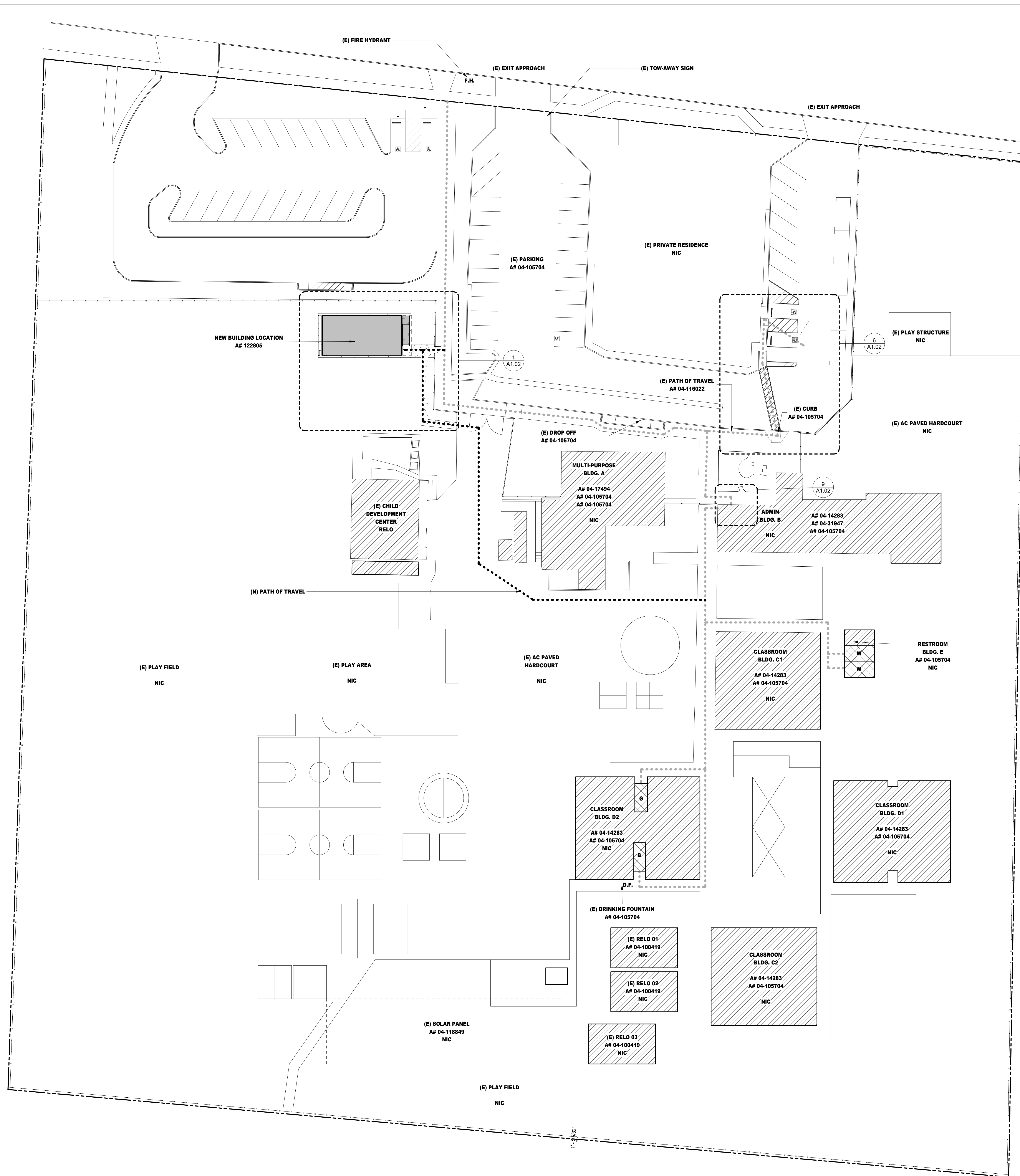


CLIENT	
DATE	PROJECT NUMBER
REVISIONS	

DETAIL SHEET

PLANS PREPARED BY:
FPL FPL and Associates, Inc.
Traffic • Transportation • Civil
30 Corporate Park, Suite 401
Irvine, CA 92606
Phone: 949-252-1688

C3.01



SITE GENERAL NOTES

- SEE CIVIL FOR TOPOGRAPHIC DATA, GRADING, DRAINING, AND UTILITY INFORMATION.
- SEE CIVIL FOR DIMENSIONS, DETAILS AND INFORMATION OF ALL FLATWORK.
- ALL NEW WALK SURFACES IN P.O.T. SHALL HAVE FLUSH TRANSITION TO ALL ADJACENT NEW OR EXISTING CONCRETE/PAVING, U.N.O.
- FOR GRATING OR STRAINERS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAY INCLUDING P.O.T. GRATE OR STRAINER TO HAVE A MAXIMUM OPENING NOT TO EXCEED 1/2" IN THE DIRECTION OF TRAFFIC FLOW WHERE NO DOMINANT DIRECTION OF TRAVEL IS DEFINED. 1/2" MAX OPENINGS IN ALL DIRECTIONS IS REQUIRED.
- CONTRACTOR TO VERIFY EXISTING DOORS COMPLY WITH THE FOLLOWING:
 - THE OPENING FORCE FOR PUSHING OR PULLING OPEN A DOOR SHALL BE 5 POUNDS MAXIMUM PER CBC 11B-404.2.5
 - HARDWARE SHALL UNLATCH WITH 5 POUNDS MAXIMUM FORCE PER CBC 11B-309.4.

PATH OF TRAVEL

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:
THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS, AS PART OF THE DESIGN OF THIS PROJECT. THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECTS WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARSHNESS ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

PATH OF TRAVEL TECHNICAL REQUIREMENTS FOR ACCESSIBLE ROUTE:
ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/4" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/2" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP-RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT BE STEEPER THAN 1:20. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS 10" MINIMUM AND FREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL, ABOVE 27" AND LESS THAN 80" ABOVE THE FLOOR. ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

- CLEAR OPENING WIDTH FOR A DOOR SHALL BE 32 INCHES MINIMUM. CBC SECTION 11B-404.2.3
- HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL COMPLY WITH CBC 11B-309.4. THE OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34" MINIMUM AND 44" MAXIMUM. CBC SECTION 11B-404.2.7
- THE LEVERS OF LEVER ACTUATED LATCHES OR LOCKS FOR DOORS ARE ACCESSIBLE GATES SHALL BE CURVED WITH A RETURN TO WITHIN 12 INCHES OF THE GATE SURFACES TO PREVENT CATCHING ON THE CLOTHING OR PERSONS PER CALIFORNIA REFERENCED STANDARDS CODE T-24 PART 12, SECTION 12-10-202, ITEM (F)
- THE FORCE OF PUSHING OR PULLING OPEN A DOOR SHALL BE PER CBC SECTION 11B-404.2.5 5 POUNDS (22.2 N) MAXIMUM 15 POUNDS (66.7 N) MINIMUM.
- THE FORCE REQUIRED FOR ACTIVATING ANY OPERABLE PARTS SUCH AS LEVER HARDWARE, OR DISSENGAGING OTHER DEVICES SHALL BE 5 POUNDS (22.2 N) MAXIMUM PER CBC SECTION 11B-309.4.
- DOOR CLOSING SPEED SHALL BE PER CBC SECTION 11B-404.2.8. CLOSER SHALL BE ADJUSTED SO THAT THE REQUIRED TIME TO MOVE A DOOR FROM AN OPEN POSITION OF 90 DEGREES TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM. SPRING HINGES SHALL BE ADJUSTED SO THAT THE REQUIRED TIME TO MOVE A DOOR FROM OPEN POSITION OF 70 DEGREES TO CLOSED POSITION IS 1.5 SECONDS MINIMUM.
- THRESHOLDS SHALL COMPLY WITH CBC SECTION 11B-404.2.5.
- FLOOR STOPS SHALL NOT BE LOCATED IN THE PATH OF TRAVEL AND 4" MAXIMUM FROM THE WALLS.
- HARDWARE (INCLUDING PANIC HARDWARE) SHALL NOT BE PROVIDED WITH "NIGHT LATCH" (NL) FUNCTION FOR ANY ACCESSIBLE DOORS OR GATES UNLESS THE FOLLOWING CONDITIONS ARE MET: (SUCH CONDITIONS MUST BE CLEARLY DEMONSTRATED AND INDICATED IN THE SPECIFICATIONS).
 - SUCH HARDWARE HAS A DOGGING FEATURE.
 - IT IS DOGGED DURING THE TIME THE FACILITY IS OPEN.
 - SUCH "DOGGING" OPERATION IS PERFORMED ONLY BY EMPLOYEES AS THEIR JOB FUNCTION (NON-PUBLIC USE).
- SWING DOORS AND GATE SURFACES WITHIN 10" OF THE FINISH FLOOR OR GROUND SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16" OF THE SAME PLANE AS THE OTHER AND BE FREE OF SHARP OR ABRASIVE EDGES. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED. CBC SECTION 11B-404.2.10.

CODE ANALYSIS

BUILDING DESIGNATION:	BLDG E 100
OCCUPANCY GROUP:	GROUP E
CONSTRUCTION TYPE:	V-8
ALLOWABLE FLOOR AREA:	9,500 SQ FT
ACTUAL FLOOR AREA:	960 SQ FT
TOTAL FLOOR AREA:	960 SQ FT
BASIC ALLOWABLE AREA 9,500 SF	960 SF + 9,500 SF = OKAY
ALLOWABLE HEIGHT / NO OF STORIES:	55'-0" / TWO
ACTUAL HEIGHT / NO OF STORIES:	12'-0" / ONE
SPRINKLER SYSTEM:	NONE

KEYNOTES

#	Description
1	IT IS DOGGED DURING THE TIME THE FACILITY IS OPEN.

SITE PLAN LEGEND

- PROPERTY LINE
- (E) 5'-0" HIGH CHAIN LINK FENCING PER DETAIL
- (N) 5'-0" HIGH CHAIN LINK FENCING PER DETAIL
- (E) BUILDING, NOT IN SCOPE
- SCOPE OF WORK
- (N) RELOCATABLE BLDGS
- RESTROOM PER A1.2 & A1.4
- (N) PATH OF TRAVEL
- (E) PATH OF TRAVEL A# 04-116022
- D.F. DRINKING FOUNTAIN PER 14, 15, 20/A1.01
- M MEN RESTROOM (AGES 13 & ABOVE) PER 3/A1.02
- W WOMEN RESTROOM (AGES 13 & ABOVE) PER 3/A1.02
- B BOYS RESTROOM (AGES 5 THROUGH 8) PER 2/A1.02
- G GIRLS RESTROOM (AGES 5 THROUGH 8) PER 2/A1.02

(E) PARKING CALCULATION

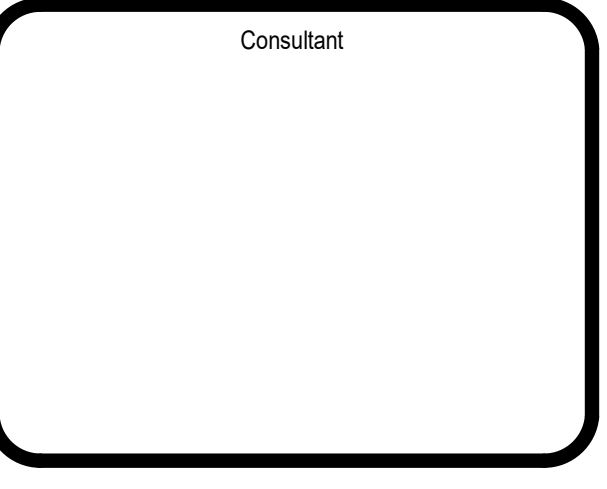
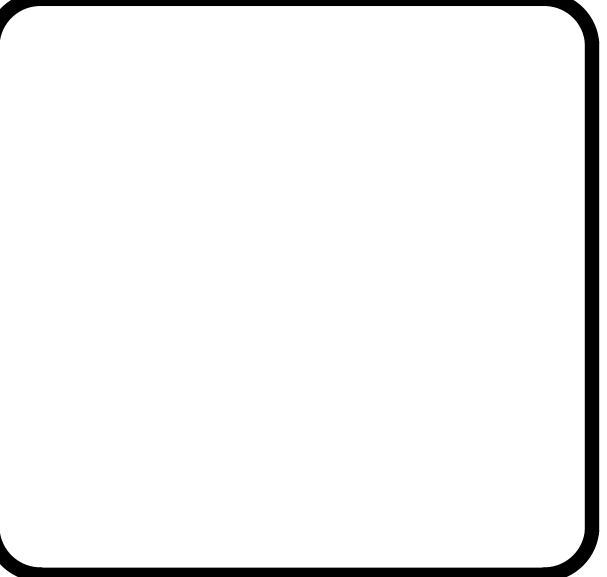
(E) GUIN FOSS ELEMENTARY SCHOOL PARKING LOT A CALCULATIONS	
TOTAL STALLS	39
REGULAR STALLS	37
ACCESSIBLE STALLS	2 (INCLUDING 1 VAN)
(E) GUIN FOSS ELEMENTARY SCHOOL PARKING LOT B CALCULATIONS	
TOTAL STALLS	22
REGULAR STALLS	20
ACCESSIBLE STALLS	2 (INCLUDING 1 VAN)

Not for permitting or construction



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GUIN FOSS ELEMENTARY SCHOOL RELOCATABLE ADDITION

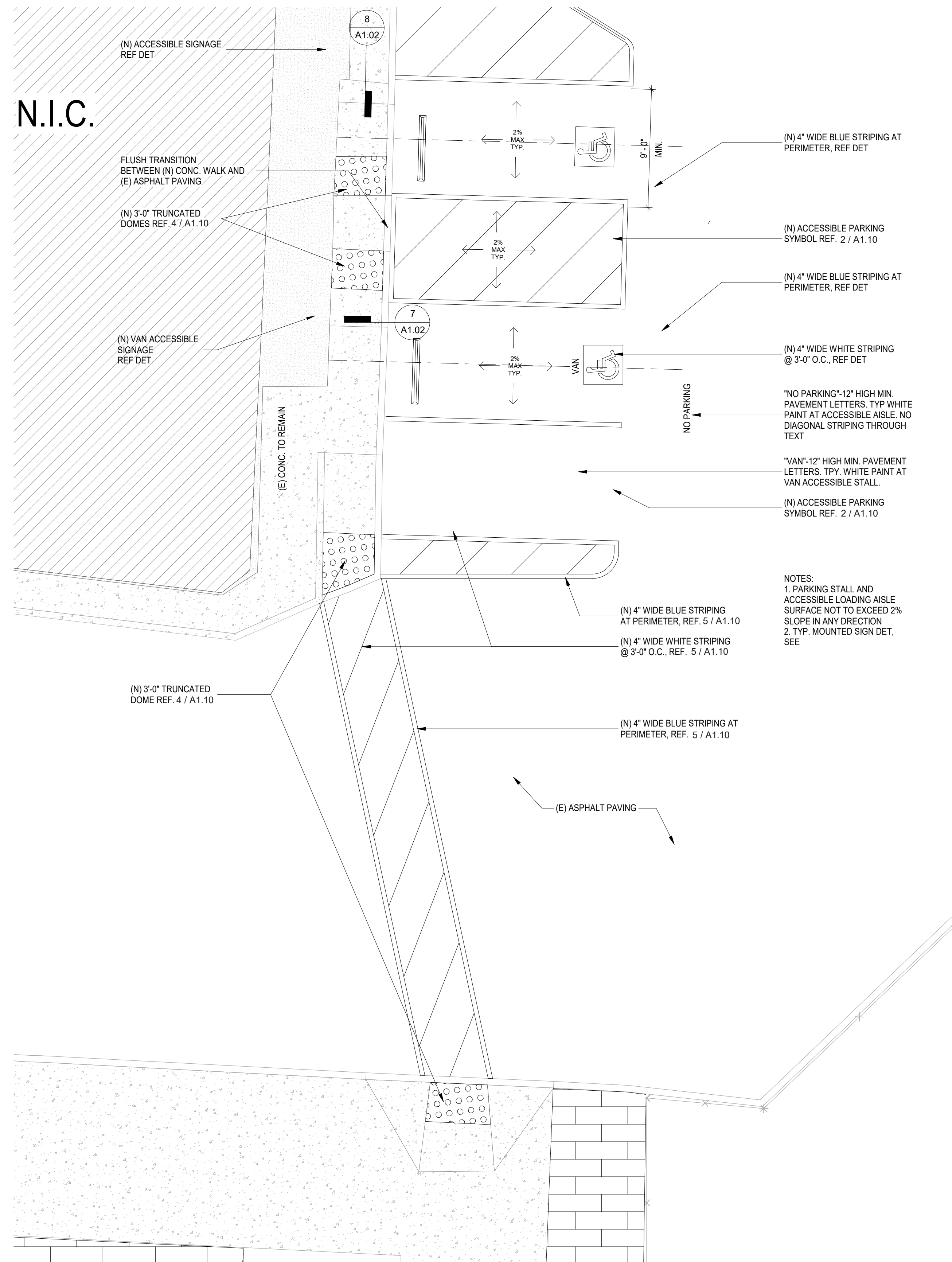


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No.	Description	Date

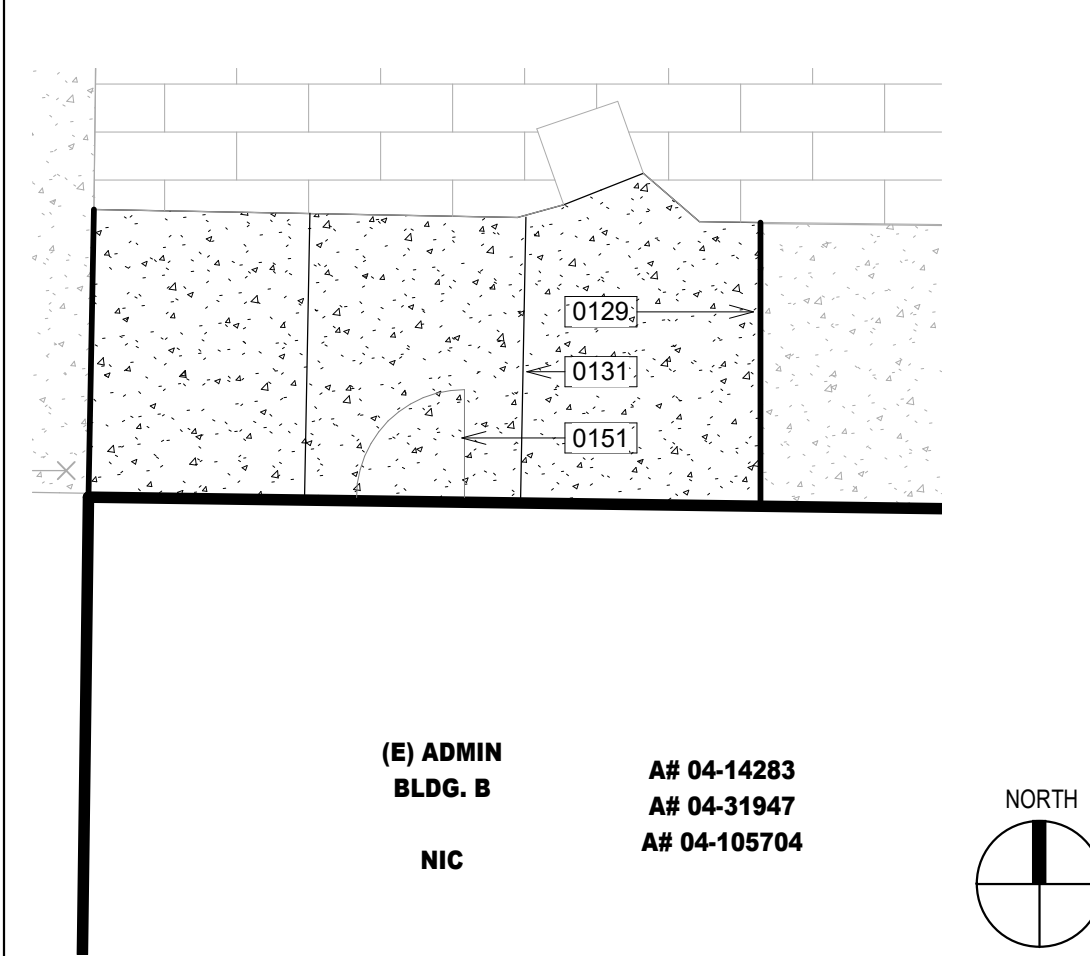
CLIENT TUSD		
DATE	PROJECT NUMBER	
04/11/2024	230554	

OVERALL SITE PLAN

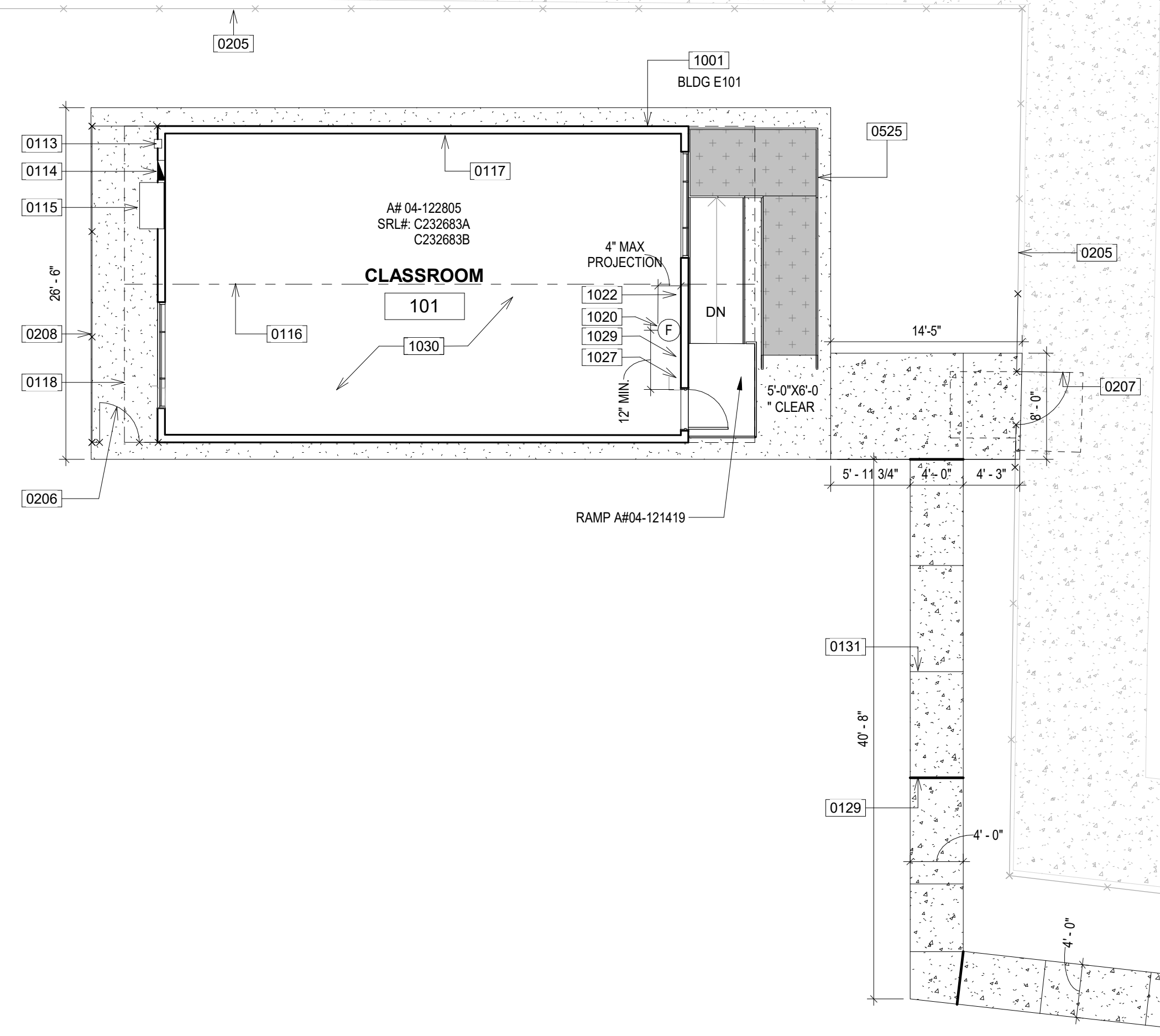
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(N) ENLARGED ADA PARKING 6
3/16" = 1'-0"



ENLARGED PLAN 02 9
3/16" = 1'-0"



ENLARGED PLAN 1
1/8" = 1'-0"

GENERAL NOTES

- ALL FINISH MATERIALS MUST MEET THE FLAME SPREAD RATINGS PER THE BUILDING CODE.
- REFER TO INTERIOR ELEVATIONS FOR SPECIFIC MATERIAL LOCATIONS.
- PAINT ALL EXPOSED DUCTWORK, CONDUIT, ELECTRICAL EQUIPMENT, ETC TO MATCH ADJACENT SURFACES.
- PAINT ALL NON-FACTORY FINISHED EXPOSED METAL.
- REFER TO TYPICAL FLOORING TRANSITION DETAILS FOR ALL FLOORING MATERIALS.
- FLOORING TRANSITIONS AT DOORS SHOULD BE LOCATED UNDER THE DOOR IN THE CLOSED POSITION, UNLESS NOTED OTHERWISE.
- CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING FINISHED FLOORING SURFACES FROM DAMAGE DURING ALL CONSTRUCTION PHASES.
- PROVIDE BULLNOSE TRIM AT TRANSITIONS FROM CERAMIC WALL TILE TO OTHER MATERIAL, UNLESS NOTED OTHERWISE.
- REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
- ALL ELECTRICAL DEVICE COVERS ARE TO BE WHITE UNLESS NOTED OTHERWISE.
- CARPET PATTERNS TO RUN PARALLEL TO CORRIDOR, UNLESS NOTED OTHERWISE.
- ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED TO MATCH ADJACENT WALL COLOR.
- IF PC DOOR HARDWARE FOR ANY OF THE 2 STOODLES PORTABLES ACCESS DOOR IS NOT LOCKABLE FROM INSIDE PER CBC 1010.1.11, THEN CONTRACTOR IS TO PROVIDE AND INSTALL NDT/PS RHO (RHODES) CLASSROOM SECURITY LEVEL LOCK, 608 FINISH, THE PC DOOR HARDWARE IS TO BE REMOVED AND TO BE PROTECTED AND RETURNED TO THE OWNER.
- CONTRACTOR TO VERIFY ALL WINDOWS ARE SCREWED SHUT AND NON-OPERABLE.
- CONTROL JOINT (CJ) SPACING SHALL NOT EXCEED 8'-0" ON CENTER AND EXPANSION JOINTS (EJ) ARE PLACED AT EVERY 360 CONTROL JOINT PER C4.02

KEYNOTES

#	Description
0113	FIRE ALARM BOX
0114	ELECTRICAL PANEL
0115	MECHANICAL UNIT PER
0116	MOD LINE
0117	MARKER BOARD
0118	ROOF ABOVE
0129	EXPANSION JOINT (E.J.) PER CC/C3.00
0131	CONTROL JOINT (C.J.) PER BB/C3.00
0151	PROTECT IN PLACE (E) MIRROR
0205	(E) CHAINLINK FENCE & GATES, PROTECT IN PLACE
0206	(N) 5'-0" HIGH 3'-0" WIDE GATE, PER DETAIL 16 / A1.10
0207	(N) 5'-0" HIGH 4'-0" WIDE GATE PER DETAIL 20 / A1.10, VON DURPIN PANIC AXPA BAR 98/99 SERIES, & KNOX PADLOCK
0208	(N) 5'-0" CHAIN LINK FENCE PER DETAIL 17 / A1.10
0525	INSTALL NEW HANDRAIL PER DETAIL 24 / A1.10
1001	BOBRICK B-262 PAPER TOWEL WITH 4" MAX PROTRUSION, FOR ACCESSIBLE MOUNTING HEIGHT REF 17 / A1.11
1020	SURFACE MOUNTED FIRE EXTINGUISHER PER DTL.3/5/8 A5.2
1022	OCCUPANCY SIGN PER DTL. 2/A0.1
1027	EXIT SIGNAGE TO READ "EXIT RAMP DOWN" PER DTL. 20 / A1.11
1029	ASSISTIVE LISTENING SIGN PER DTL.23 / A1.11
1030	PROVIDE ASSISTIVE LISTENING SYSTEM DEVICES OF 4% OF OCCUPANTS, TYP. OF CLASSROOMS. DEVICES TO BE KEPT IN OFFICE ADMIN BUILDING A, PROVIDE 1 TRANSMITTERS AND 2 RECEIVERS TO SERVE ALL CLASSROOMS IN THE BUILDING. PROVIDE ADDITIONAL TRANSMITTERS AND RECEIVERS BASED ON OCCUPANCY OF OTHER ASSEMBLY SPACES I.E. MPR, CONFERENCE ROOMS, ETC.

SITE PLAN LEGEND

- (N) PATH OF TRAVEL
- PROPERTY LINE
- (E) 5'-0" HIGH CHAIN LINK FENCING PER DETAIL
- (N) 5'-0" HIGH CHAIN LINK FENCING PER DETAIL
- (C.J.) CONTROL JOINT
- (E.J.) EXPANSION JOINT
- (E) BUILDING, N.I.C.
- (E) PLAYGROUND
- (E) CONC. PAVING
- (N) CONC. PAVING PER CIVIL
- (E) TURF
- (N) TURF PER CIVIL
- (E) ASPHALT PAVING
- (N) ASPHALT PAVING PER CIVIL
- (N) ASPHALT PAVING TRANSITION PER CIVIL
- (E) LANDSCAPE AREA, N.I.C.

Not for permitting or construction

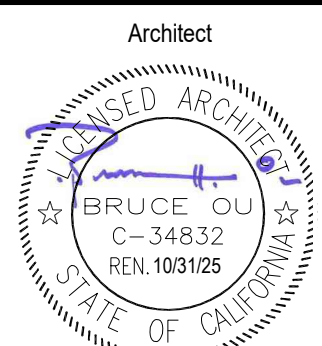


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GUIN FOSS ELEMENTARY SCHOOL RELOCATABLE ADDITION

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DSA-APPL. NO. XXXX DSA FILE NO. XXXX

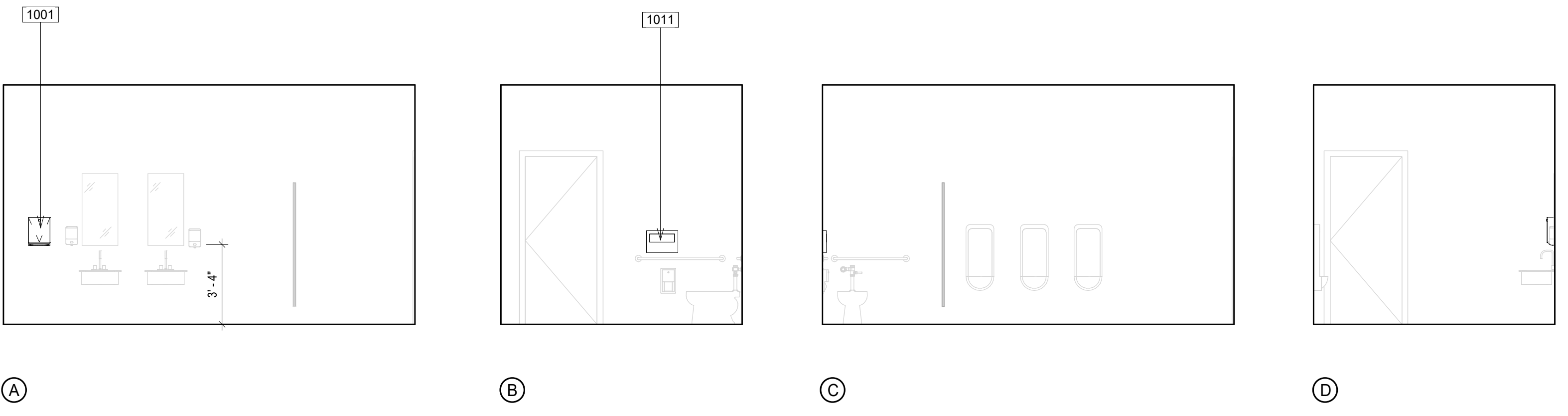


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DATE	PROJECT NUMBER	DATE	PROJECT NUMBER
04/11/2024	230554		
REVISIONS			
No.	Description	Date	

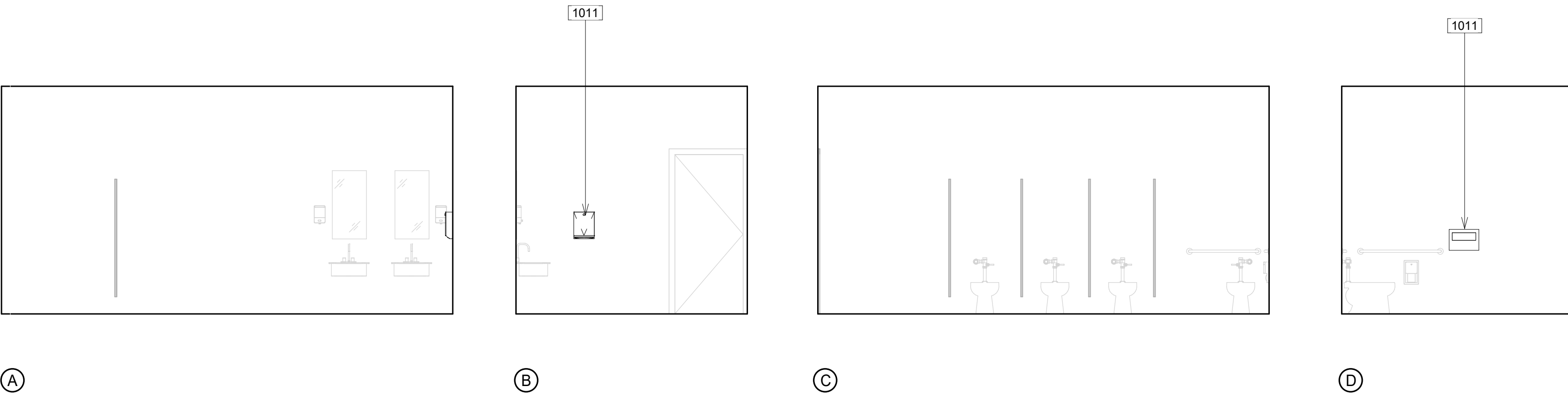
ENLARGED SITE PLAN

A1.02

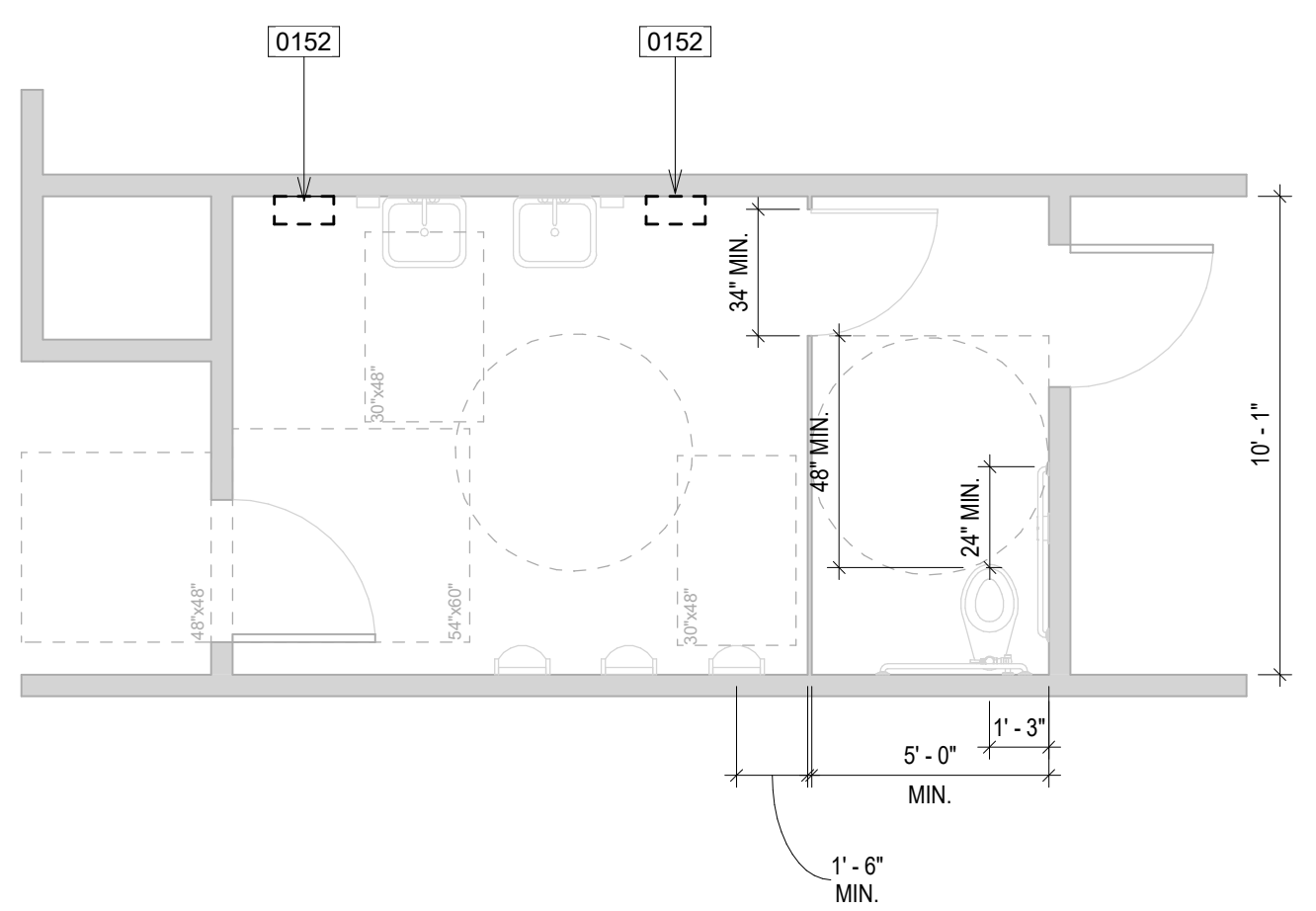
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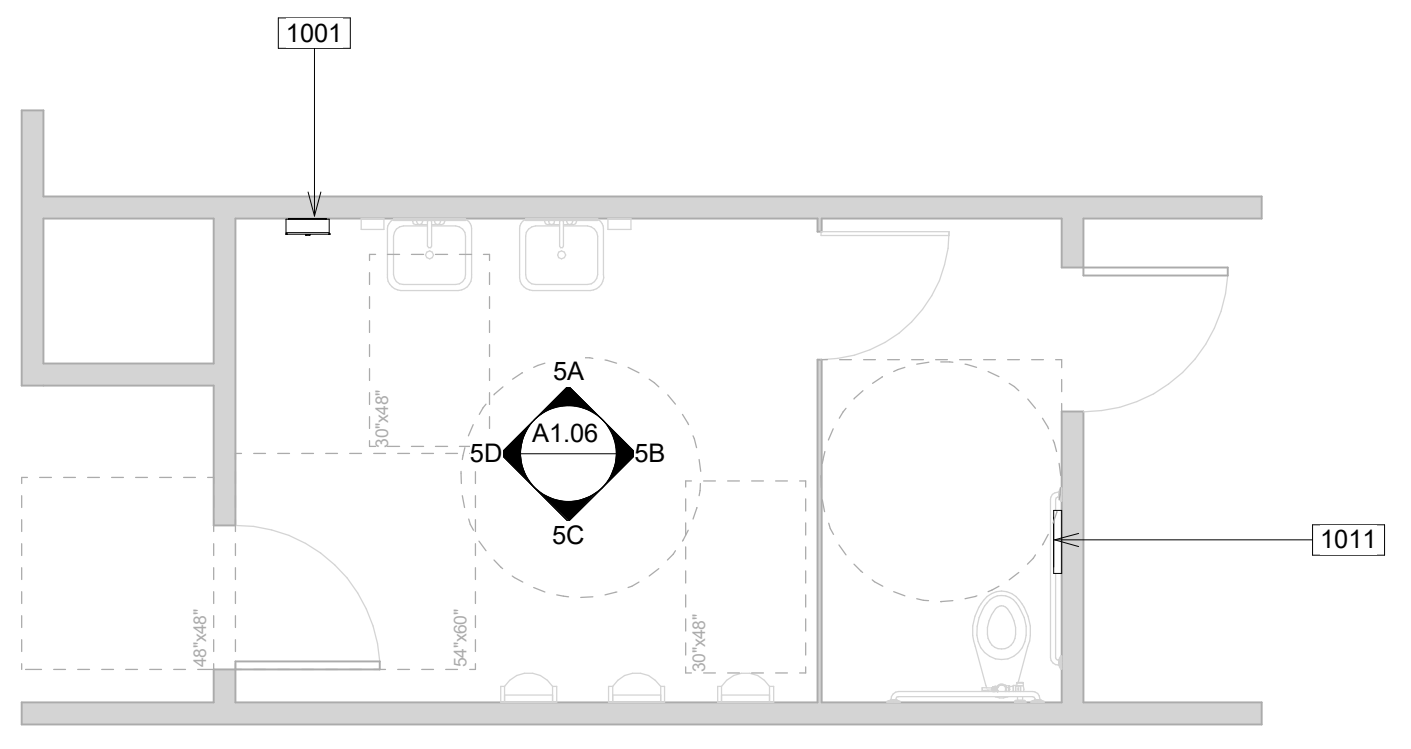
BOYS RESTROOM INTERIOR ELEVATIONS 5
1/4" = 1'-0"



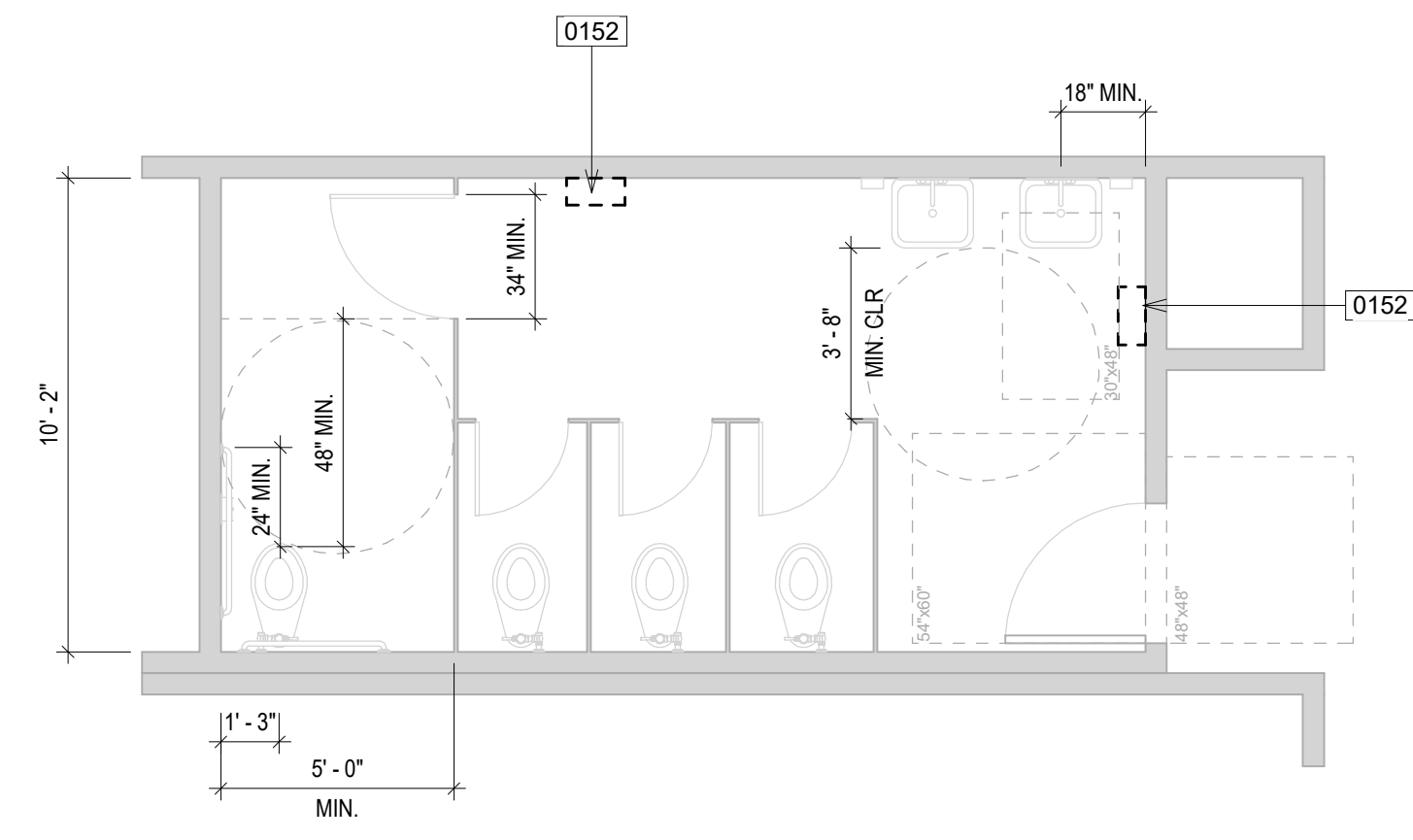
GIRLS RESTROOM INTERIOR ELEVATIONS 6
1/4" = 1'-0"



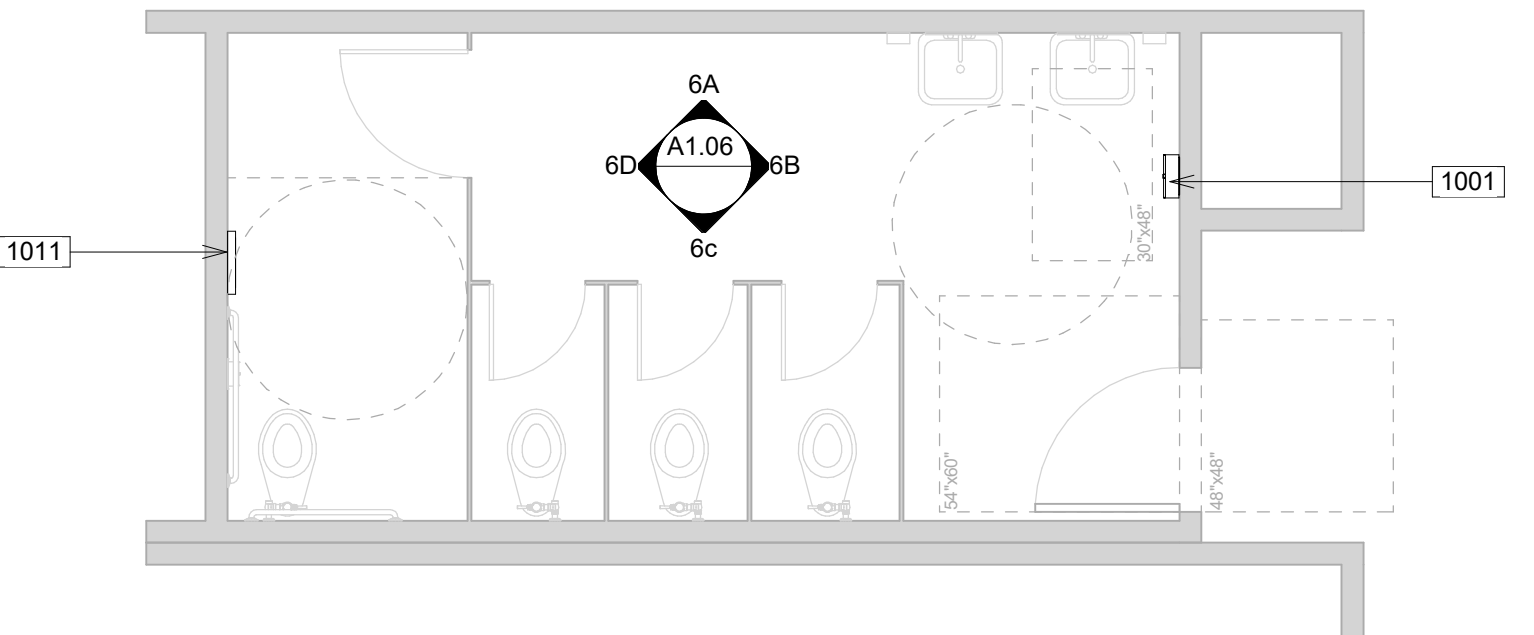
(E) ENLARGED BOYS RESTROOM 1
1/4" = 1'-0"



(N) ENLARGED BOYS RESTROOM 3
1/4" = 1'-0"



(E) ENLARGED GIRLS RESTROOM 2
1/4" = 1'-0"



(N) ENLARGED GIRLS RESTROOM 4
1/4" = 1'-0"

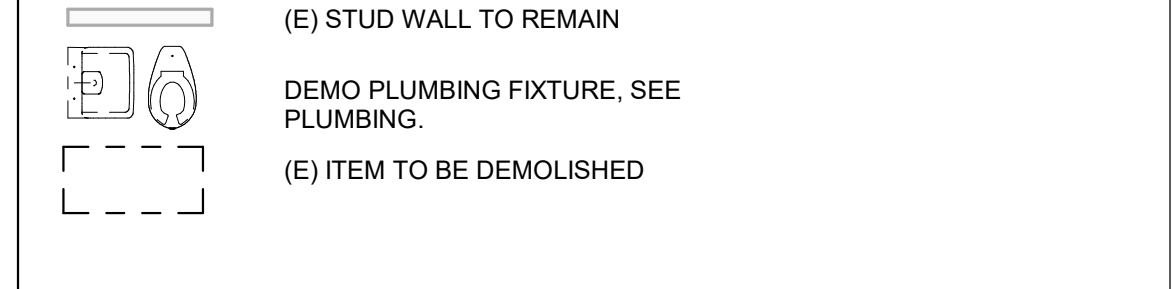
REFERENCE NOTES

KEYNOTE	DESCRIPTION
0152	REMOVE, SALVAGE, AND PROTECT (E) RESTROOM ACCESSORIES AND RETURN TO DISTRICT
1001	BOBRICK B-262 PAPER TOWEL WITH 4" MAX PROTRUSION, FOR ACCESSIBLE MOUNTING HEIGHT REF 1 / A1.11 & 2 / A1.11.2 / A1.11
1011	BOBRICK B-221 SURFACE MOUNTED TOILET SEAT COVER DISPENSER, REF. 3 / A1.11 & 4 / A1.11

DEMO GENERAL NOTES

- WHERE TILE AND MORTAR BED IS DEMOLISHED, PATCH AND REPAIR FLOOR AS REQUIRED FOR NEW FINISH.
- FIELD VERIFY ALL DIMENSIONS FOR EXISTING BUILDINGS.
- PROTECT IN PLACE ALL ITEMS, UNO.
- ANY DEMOLITION OF (E) EXTERIOR DOORS, FRAMES, AND WINDOW SYSTEMS IS TO BE DONE AS NOTED ON THE DRAWINGS. WHERE (E) DOOR AND WINDOW FRAME SYSTEMS ARE TO REMAIN IN PLACE THEY ARE TO BE PROTECTED DURING THE ENTIRE PROJECT.
- REMOVE ALL ADHESIVE AND EXCESS MATERIAL LEFT BEHIND DURING THE DEMOLITION OF THE FLOORING IN ORDER TO PROVIDE A CLEAN SURFACE FOR NEW FLOORING. REPAIR AND LEVEL EXISTING FLOORING PRIOR TO INSTALLING NEW FLOORING SYSTEM PER SPECIFICATIONS.
- EXISTING MARKER BOARDS TO BE REMOVED, PROTECTED AND RETURNED TO DISTRICT.

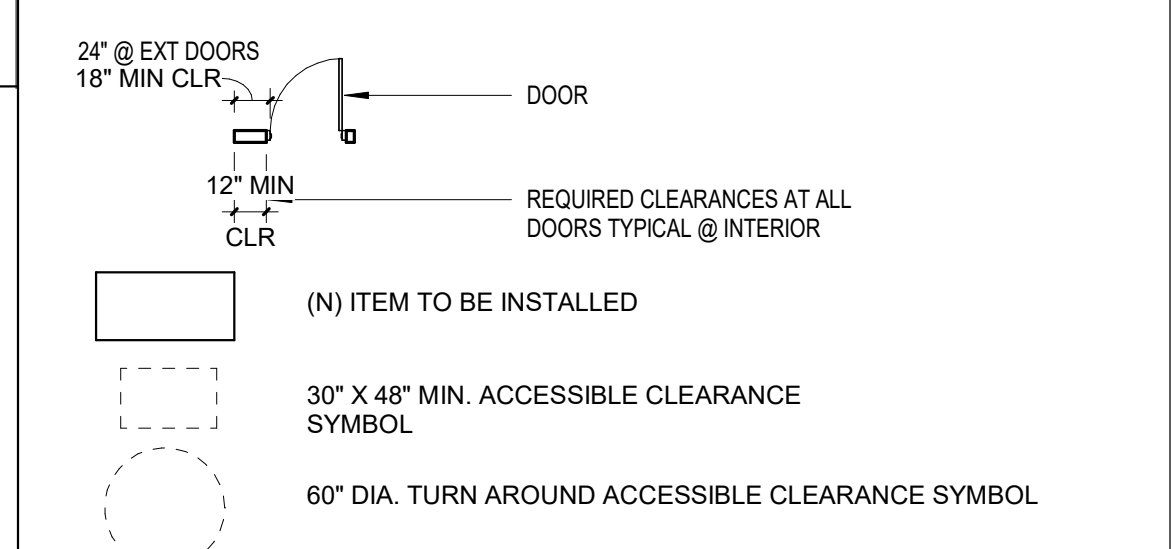
DEMOLITION PLAN LEGEND



GENERAL NOTES

- PATCH AND REPAIR CONCRETE FLOOR SLAB BELOW DEMOLISHED WALLS, DOOR FRAMES, AND OTHER REMOVED ITEMS. PREP FOR NEW FINISHES.
- PATCH AND REPAIR (E) ADJOINING WALLS NOT TO BE DEMOLISHED AND PREP FOR NEW FINISHES AS REQUIRED, UNO.
- WALLS ARE FULL HEIGHT TO THE UNDERSIDE OF THE STRUCTURE ABOVE UNO. DIMENSIONS ARE TO FACE OF STUD AT EXTERIOR WALLS, CENTER OF STUD AT INTERIOR WALLS, AND FACE OF FINISH AT MASONRY WALLS, METAL DECK SCREEN WALLS, AND CURTAIN WALLS/STOREFRONT WALLS, UNO.

CONSTRUCTION LEGEND



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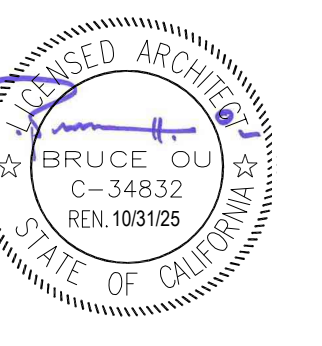
PROJECT ADDRESS:
12712 Elizabeth Way,
Tustin, CA 92780

DSA-APPL. NO.: XXXX DSA FILE NO.: XXXX



Consultant

Architect



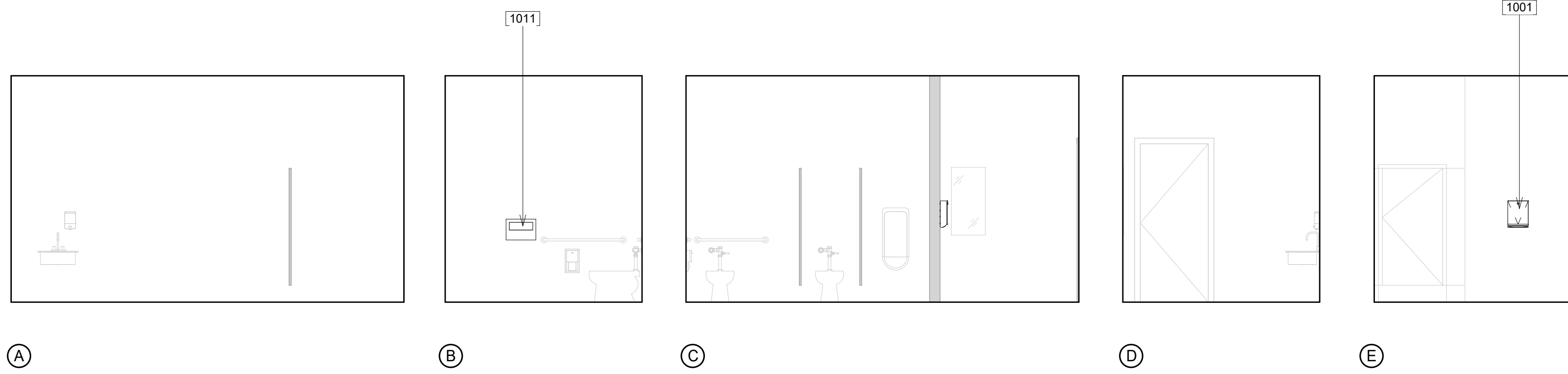
CLIENT TUSD
DATE 04/11/2024 PROJECT NUMBER 230554

No.	Description	Date

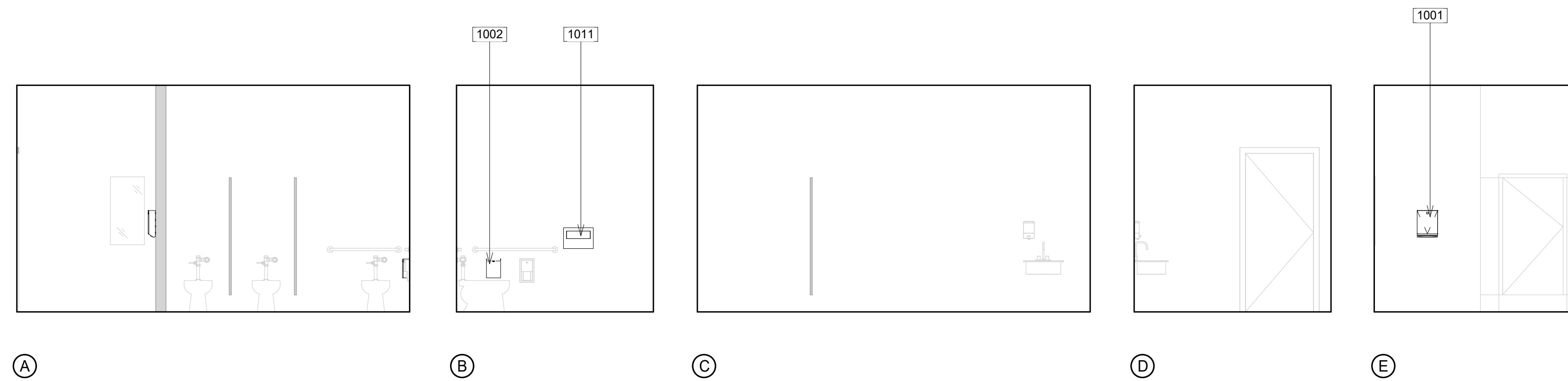
ENLARGED PLANS & ELEVATIONS

A1.06

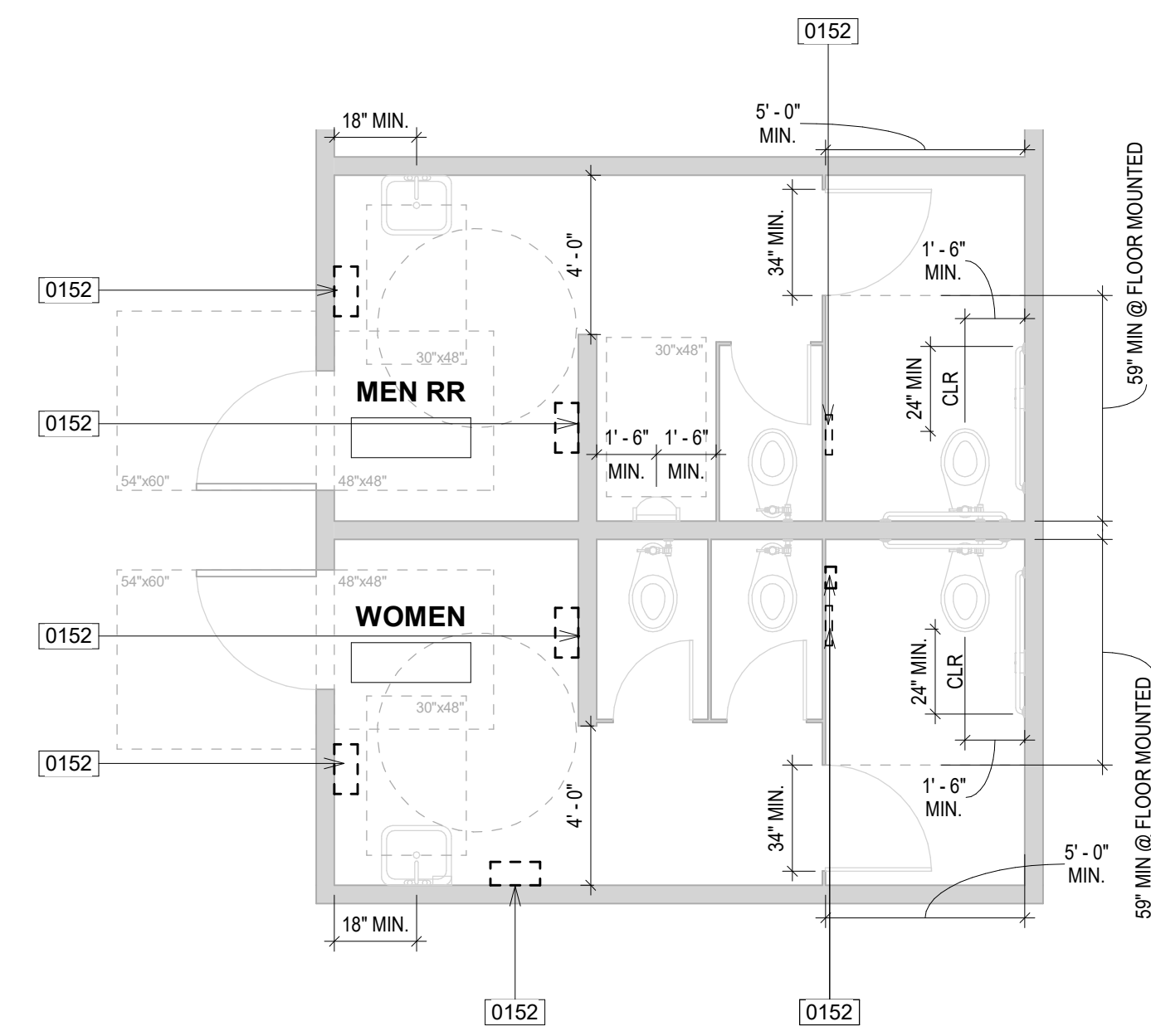
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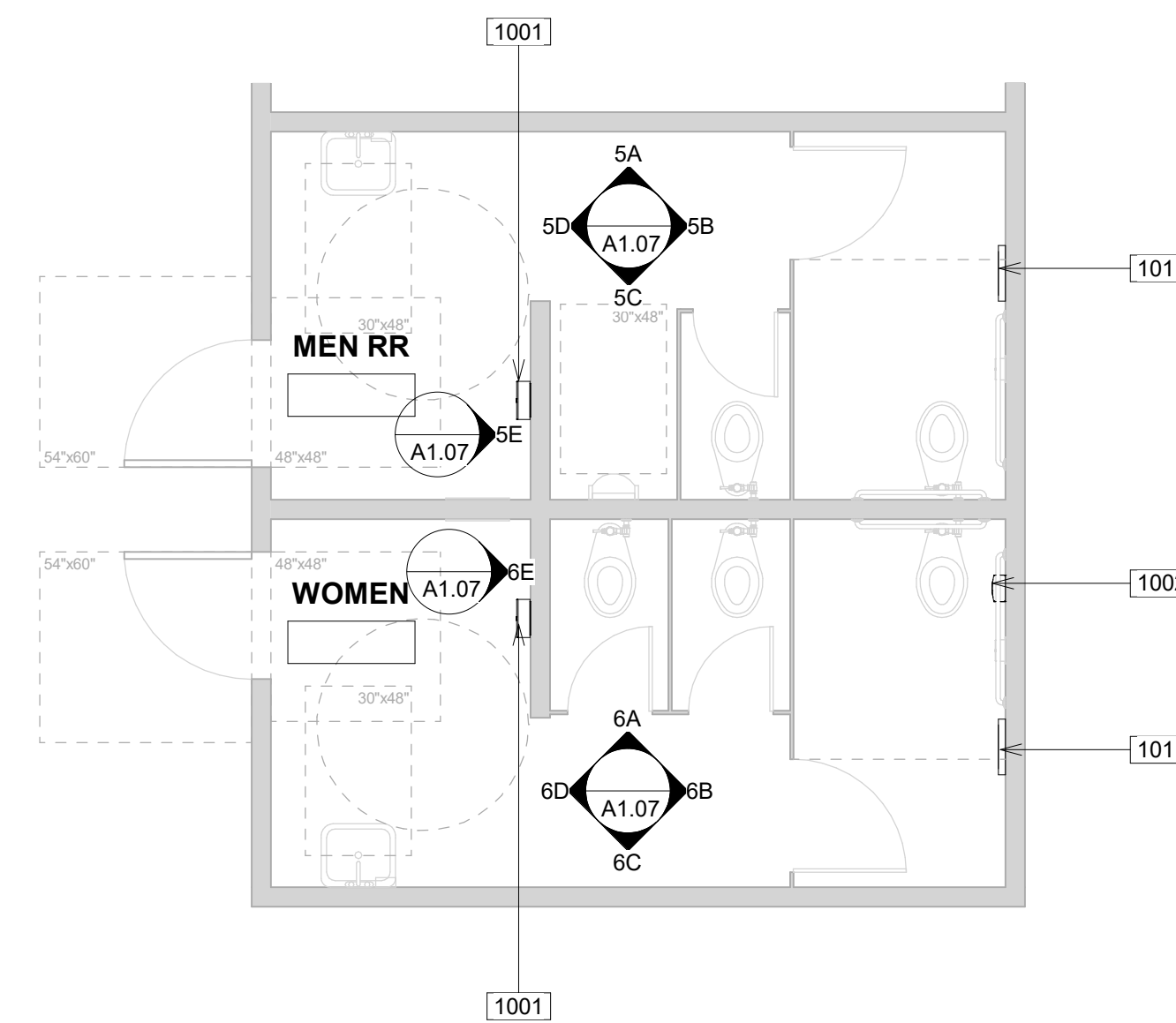
MEN RESTROOM INTERIOR ELEVATIONS
1/4" = 1'-0" 5



WOMEN RESTROOM INTERIOR ELEVATIONS
1/4" = 1'-0" 6



(E) ENLARGED MENS AND WOMENS RESTROOM
1/4" = 1'-0" 1



(N) ENLARGED MENS AND WOMENS RESTROOM
1/4" = 1'-0" 2

REFERENCE NOTES

KEYNOTE	DESCRIPTION
0152	REMOVE, SALVAGE, AND PROTECT (E) RESTROOM ACCESSORIES AND RETURN TO DISTRICT
1001	BOBRICK B-262 PAPER TOWEL WITH 4" MAX PROTRUSION, FOR ACCESSIBLE MOUNTING HEIGHT REF 1 / A1.11 & 2 / A1.11
1002	BOBRICK B-5070 SANITARY NAPKIN DISPOSAL WITH 4" MAX PROTRUSION, FOR ACCESSIBLE MOUNTING HEIGHT REF 12 / A1.11
1011	BOBRICK B-221 SURFACE MOUNTED TOILET SEAT COVER DISPENSER, REF 3 / A1.11 & 4 / A1.11

DEMO GENERAL NOTES

- WHERE TILE AND MORTAR BED IS DEMOLISHED, PATCH AND REPAIR FLOOR AS REQUIRED FOR NEW FINISH.
- FIELD VERIFY ALL DIMENSIONS FOR EXISTING BUILDINGS.
- PROTECT IN PLACE ALL ITEMS, UNO.
- ANY DEMOLITION OF (E) EXTERIOR DOORS, FRAMES, AND WINDOW SYSTEMS IS TO BE DONE AS NOTED ON THE DRAWINGS. WHERE (E) DOOR AND WINDOW FRAME SYSTEMS ARE TO REMAIN IN PLACE THEY ARE TO BE PROTECTED DURING THE ENTIRE PROJECT.
- REMOVE ALL ADHESIVE AND EXCESS MATERIAL LEFT BEHIND DURING THE DEMOLITION OF THE FLOORING IN ORDER TO PROVIDE A CLEAN SURFACE FOR NEW FLOORING. REPAIR AND LEVEL EXISTING FLOORING PRIOR TO INSTALLING NEW FLOORING SYSTEM PER SPECIFICATIONS.
- EXISTING MARKER BOARDS TO BE REMOVED, PROTECTED AND RETURNED TO DISTRICT.

DEMOLITION PLAN LEGEND

- (E) STUD WALL TO REMAIN
- DEMO PLUMBING FIXTURE, SEE PLUMBING.
- (E) ITEM TO BE DEMOLISHED

GENERAL NOTES

- PATCH AND REPAIR CONCRETE FLOOR SLAB BELOW DEMOLISHED WALLS, DOOR FRAMES, AND OTHER REMOVED ITEMS. PREP FOR NEW FINISHES.
- PATCH AND REPAIR (E) ADJOINING WALLS NOT TO BE DEMOLISHED AND PREP FOR NEW FINISHES AS REQUIRED, UNO.
- WALLS ARE FULL HEIGHT TO THE UNDERSIDE OF THE STRUCTURE ABOVE UNO.
- DIMENSIONS ARE TO FACE OF STUD AT EXTERIOR WALLS, CENTER OF STUD AT INTERIOR WALLS, AND FACE OF FINISH AT MASONRY WALLS, METAL DECK SCREEN WALLS, AND CURTAIN WALLS/STOREFRONT WALLS, UNO.

CONSTRUCTION LEGEND

- 24" @ EXT DOORS
18" MIN CLR. DOOR
- 12" MIN CLR. REQUIRED CLEARANCES AT ALL DOORS TYPICAL @ INTERIOR
- (N) ITEM TO BE INSTALLED
- 30" X 48" MIN. ACCESSIBLE CLEARANCE SYMBOL
- 60" DIA. TURN AROUND ACCESSIBLE CLEARANCE SYMBOL

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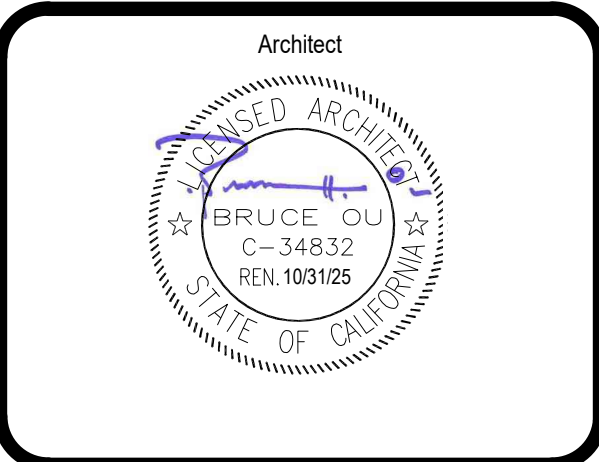
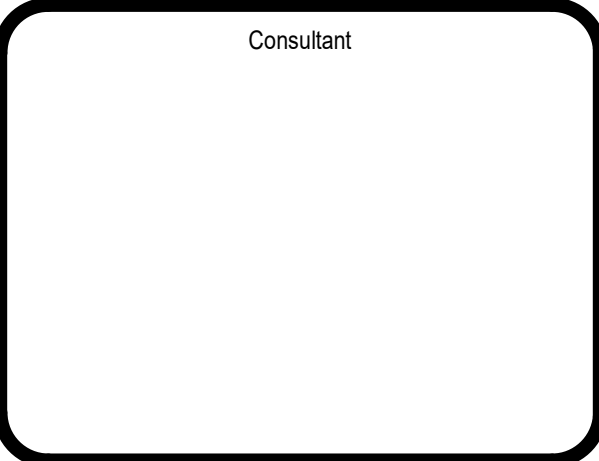
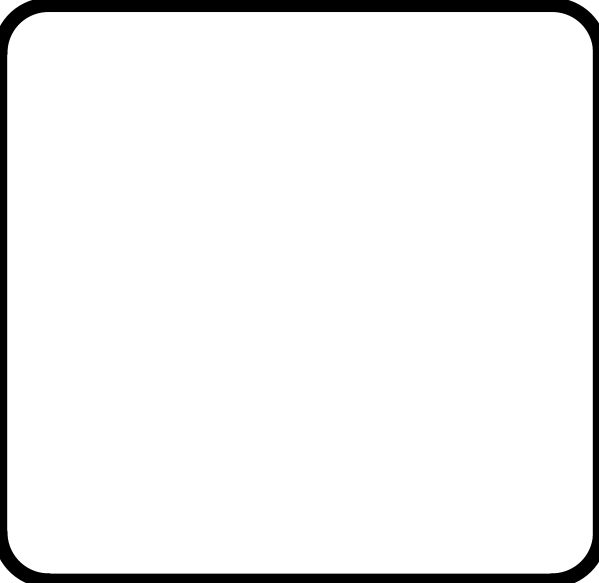


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DSA-APPL. NO.: XXXX DSA-FILE NO.: XXXX

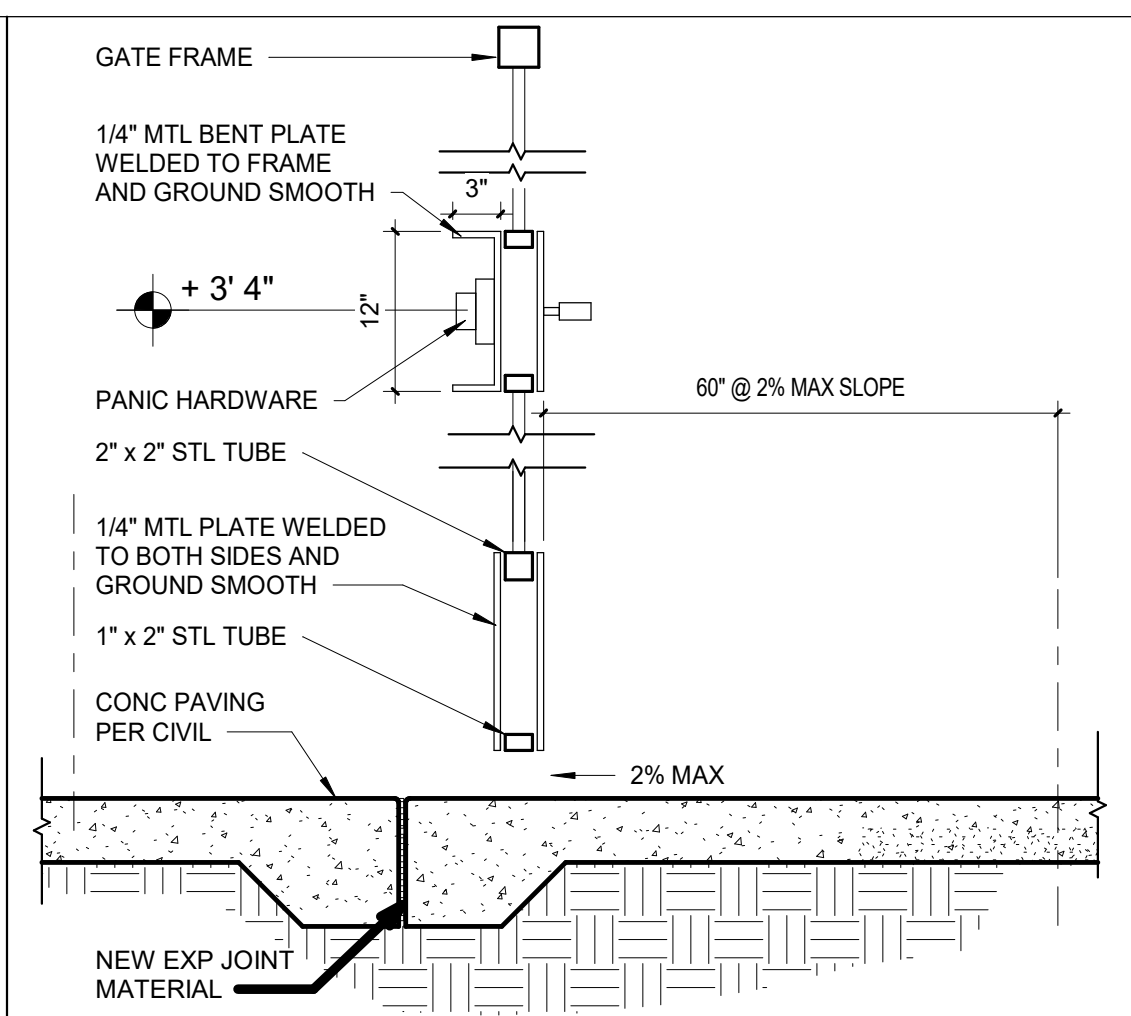


CLIENT		PROJECT NUMBER	
TUSD		230554	
DATE		PROJECT NUMBER	
04/11/2024		230554	
REVISIONS			
No.	Description	Date	

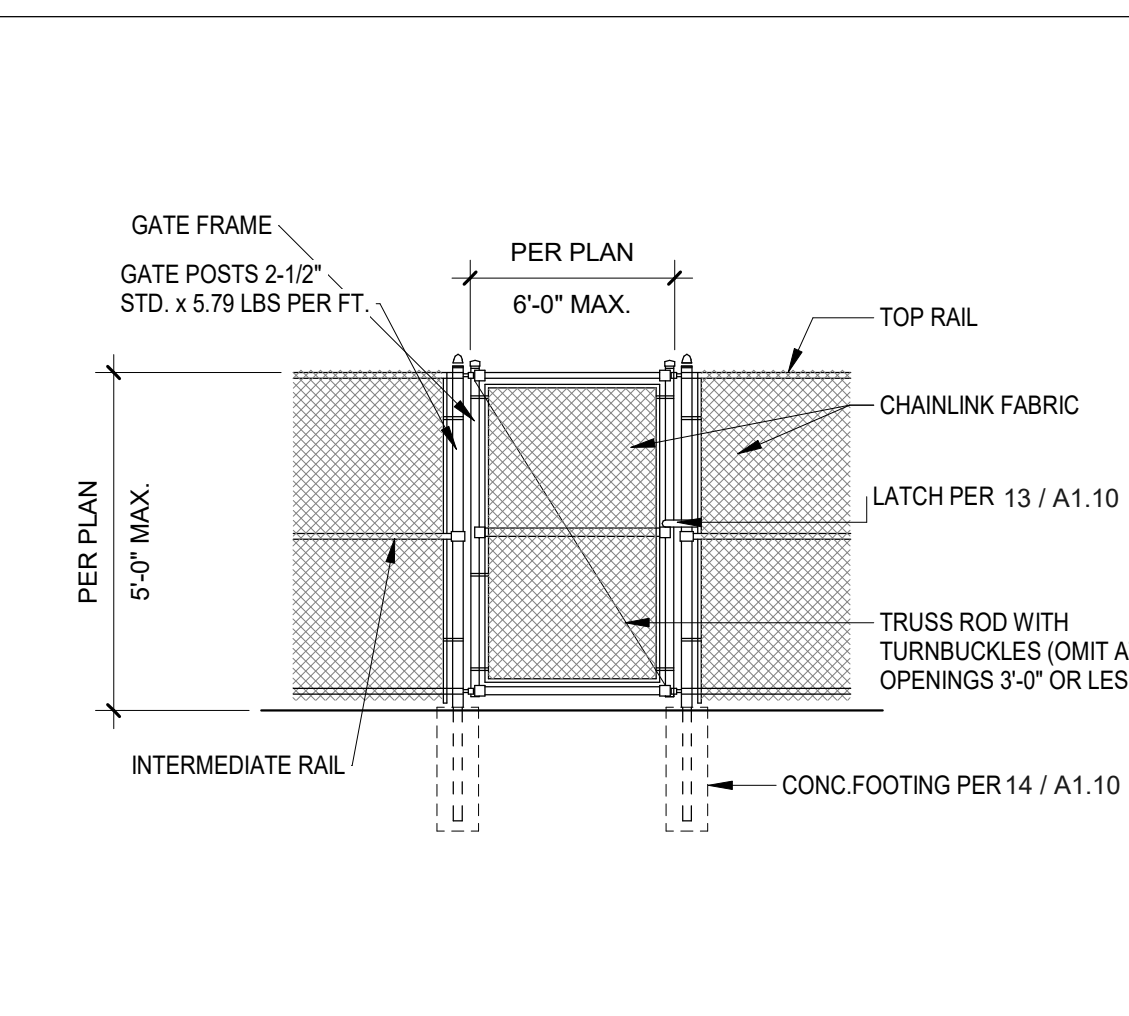
ENLARGED PLANS & ELEVATIONS

A1.07

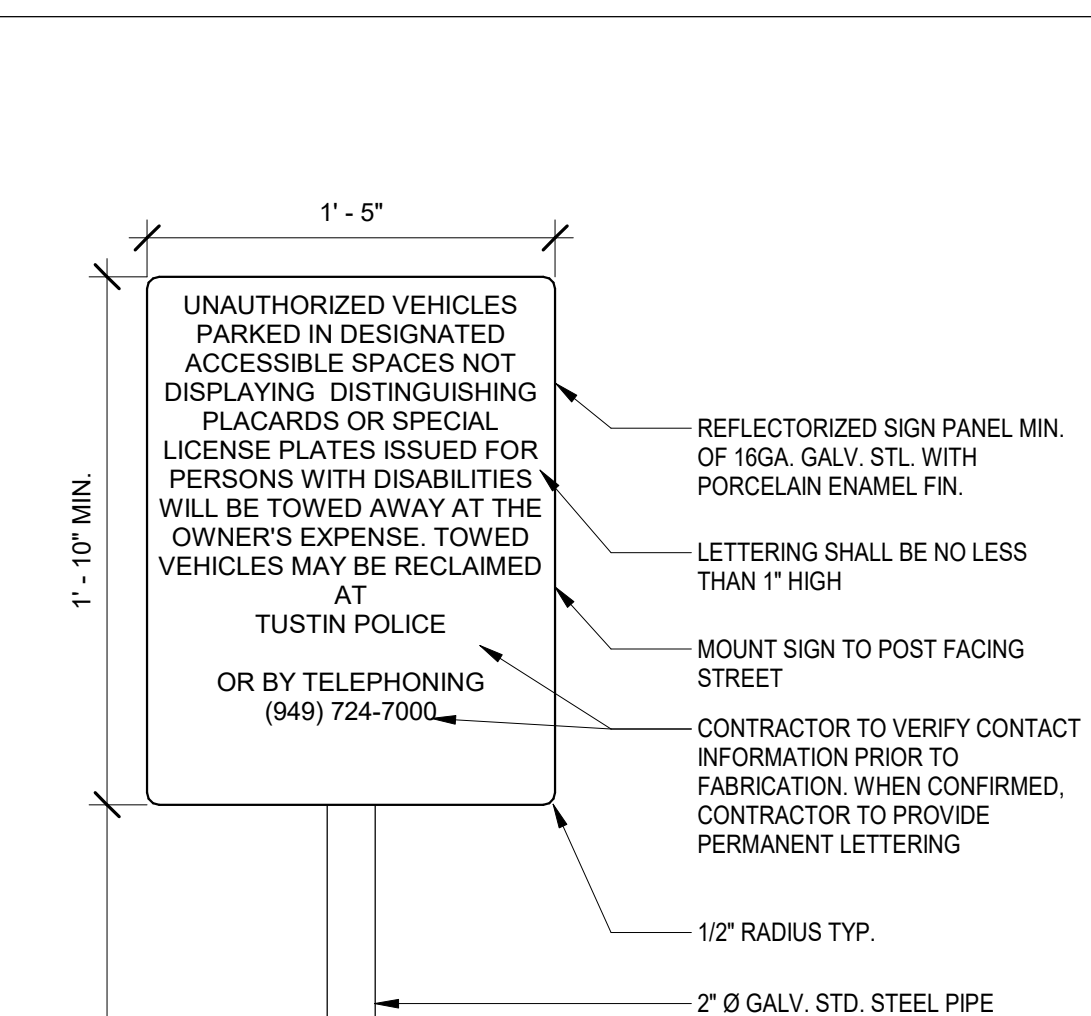
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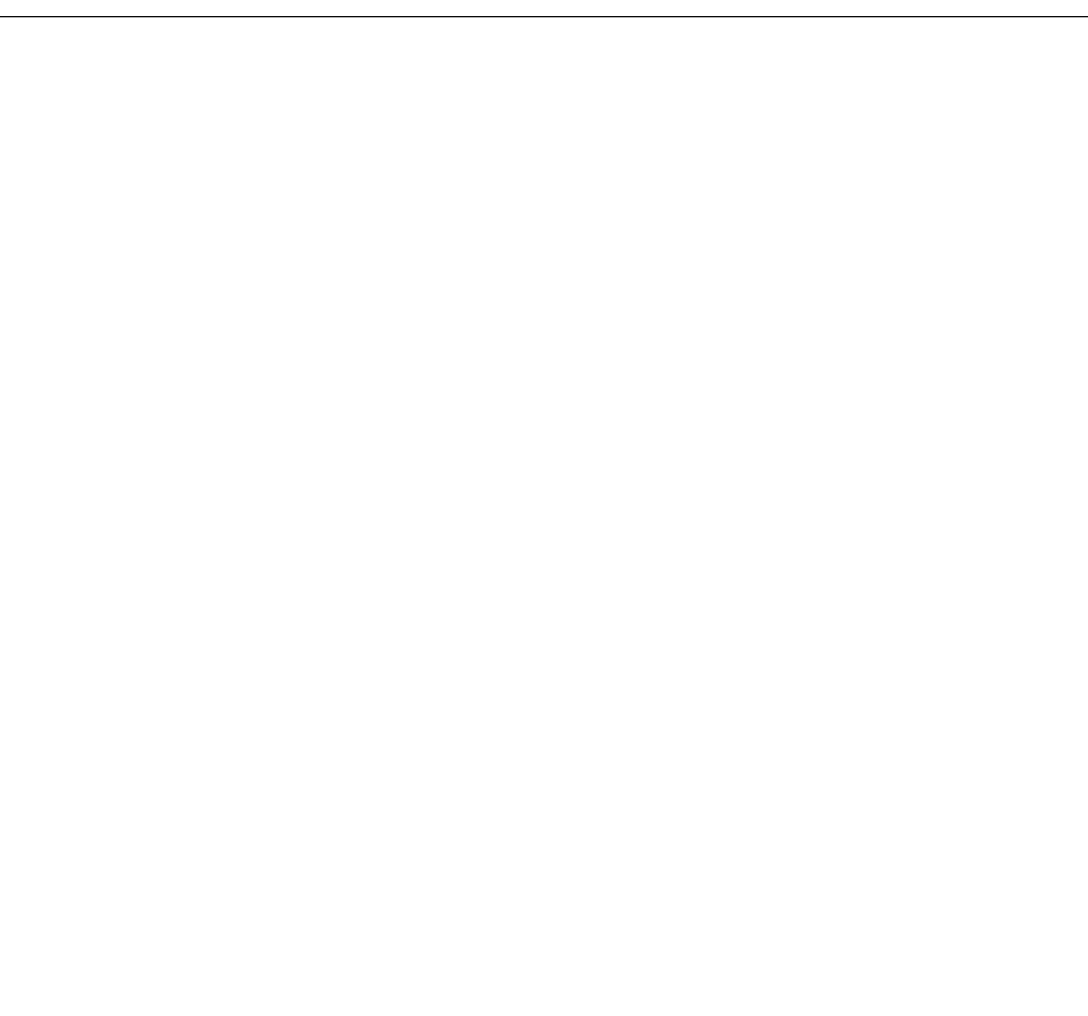
ACCESSIBLE CL GATE SECTION 21
1" = 1'-0"



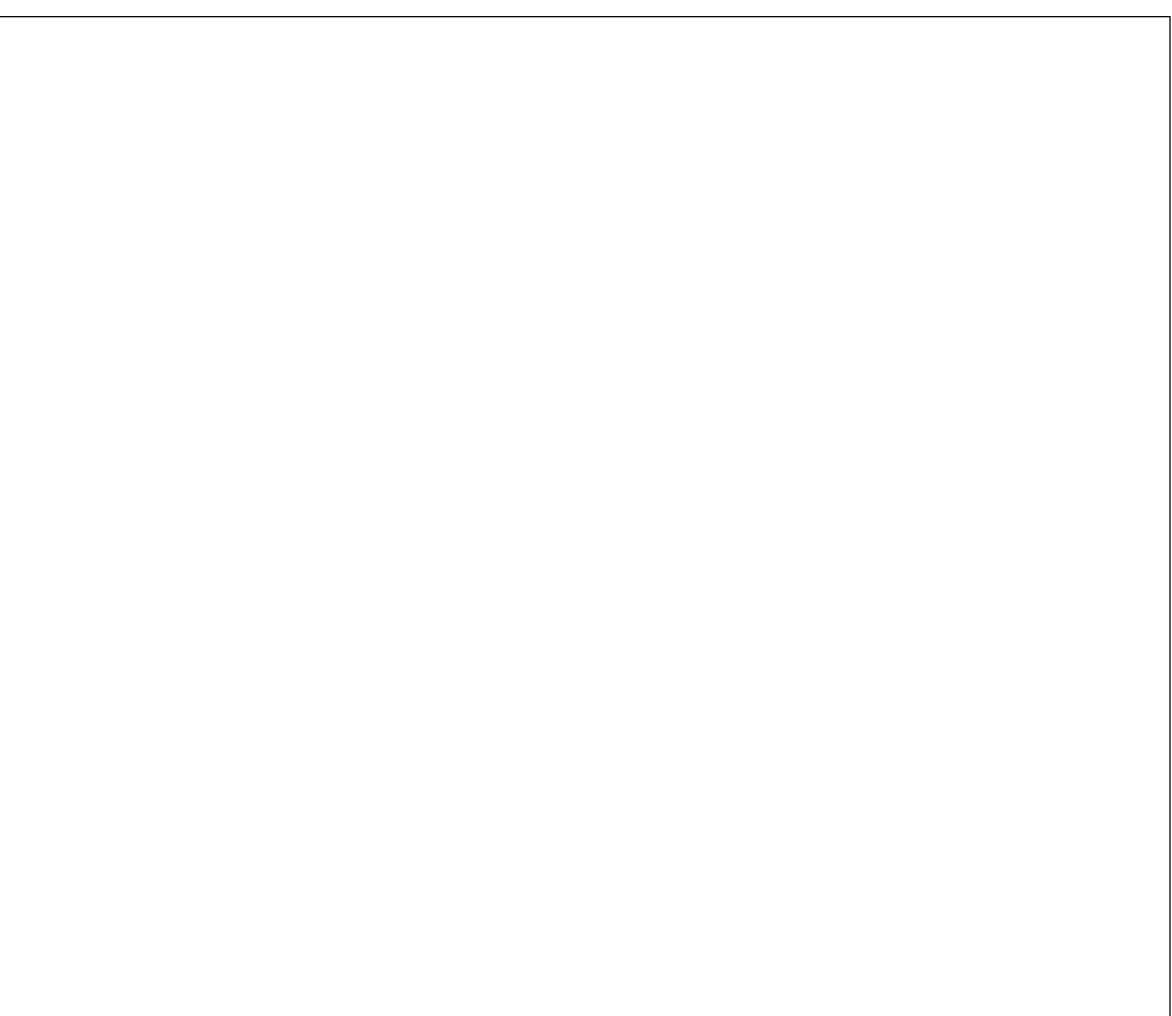
CHAIN LINK SINGLE GATE 16
NOT TO SCALE



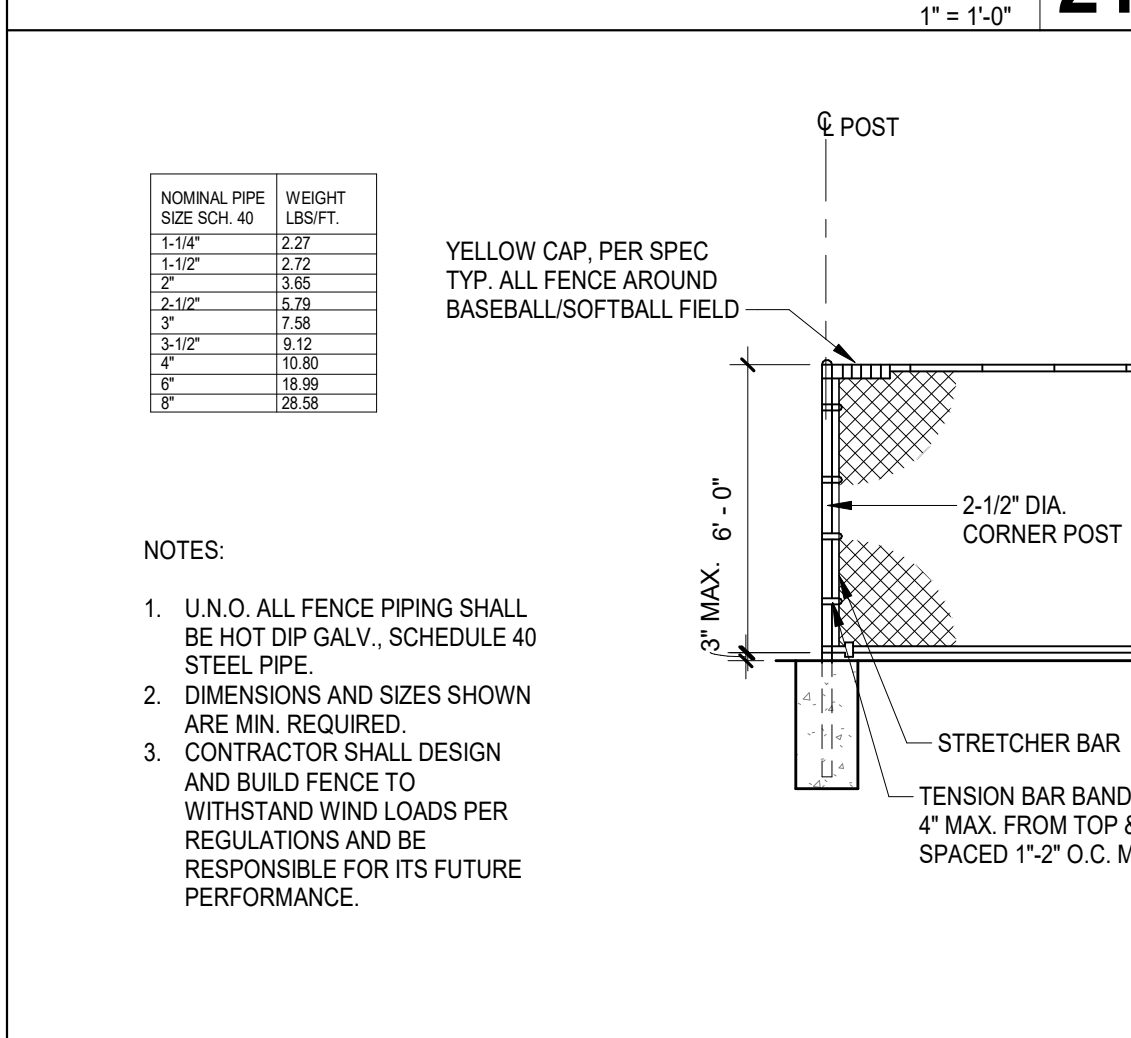
TOW AWAY SIGN 12
1 1/2" = 1'-0"



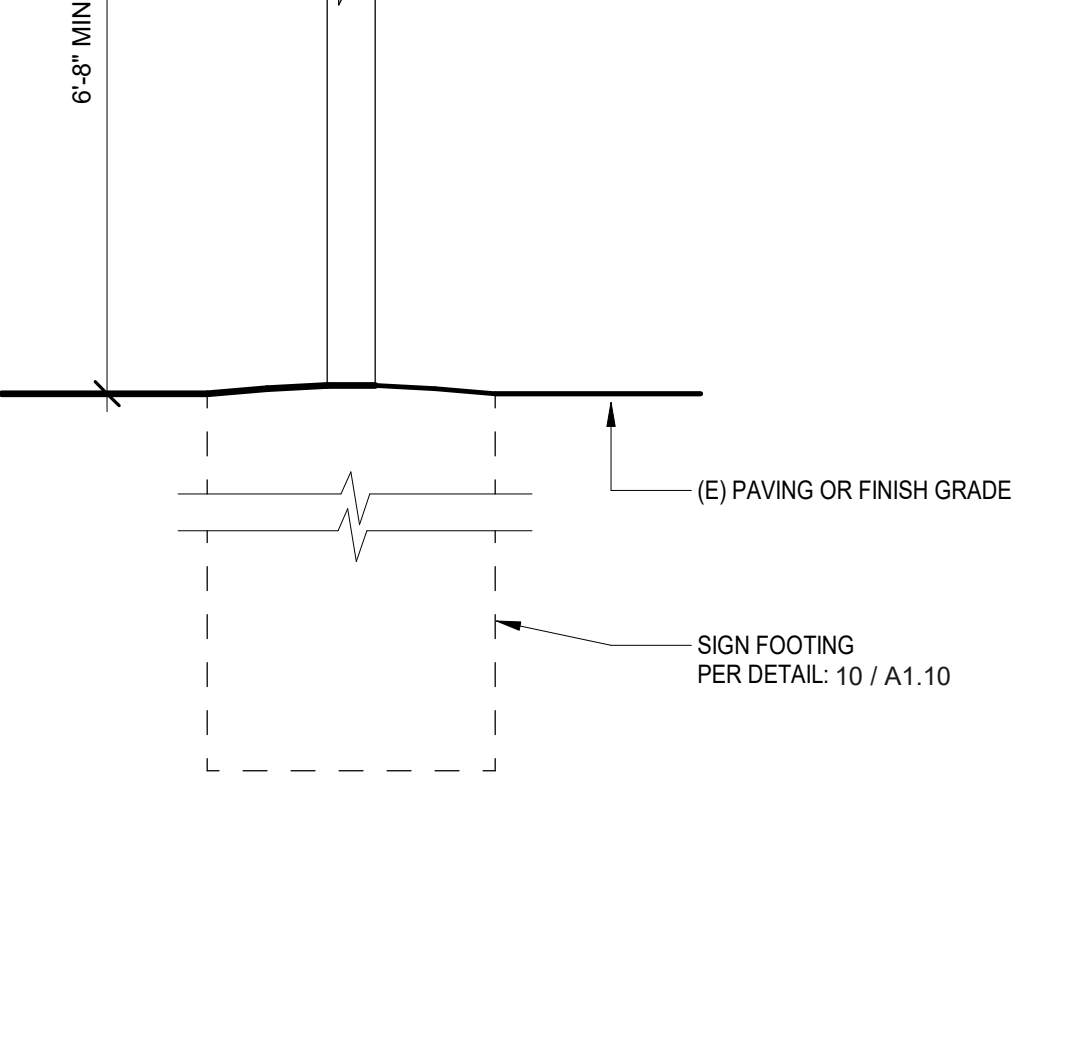
PARKING BUMPER / WHEEL STOP 7
1" = 1'-0"



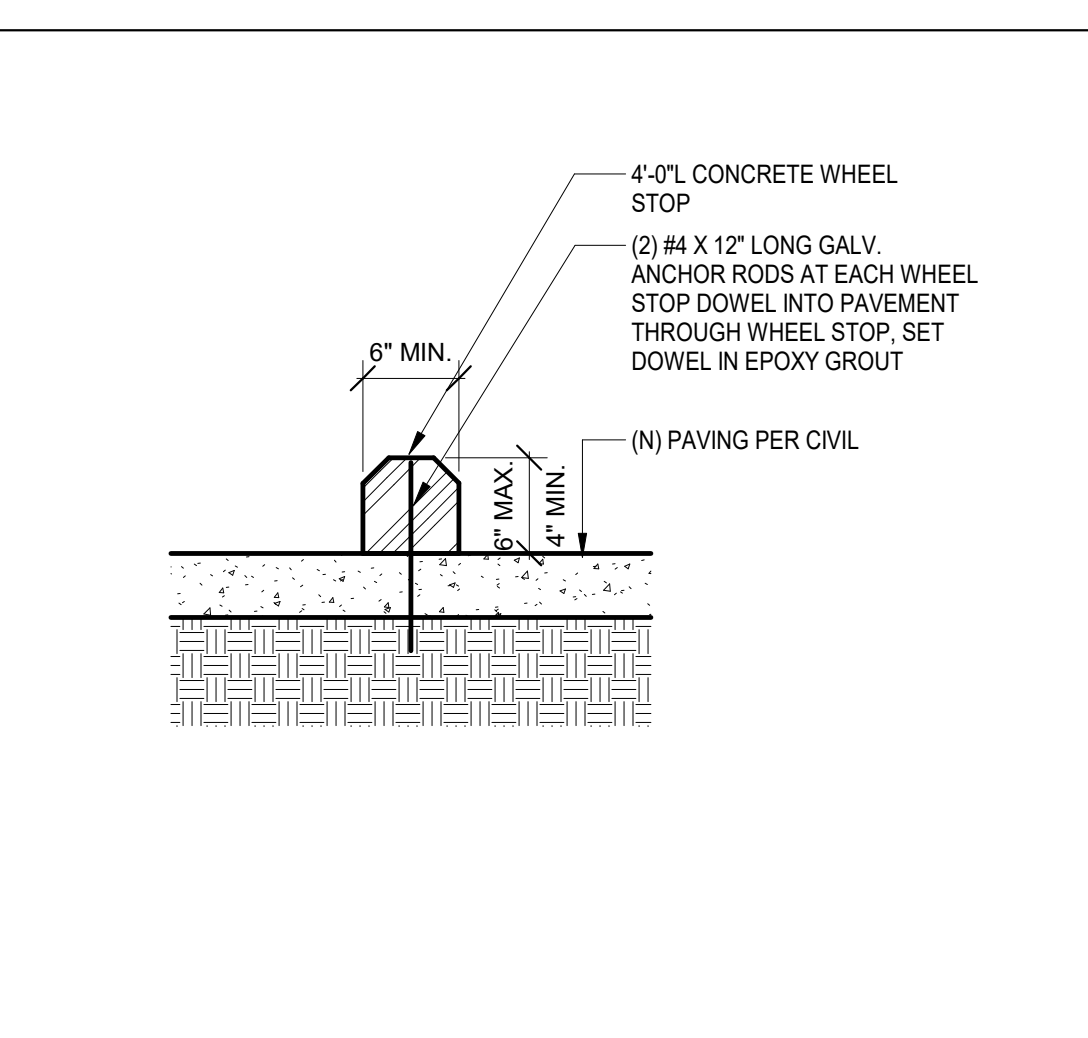
ACCESSIBLE PARKING SYMBOL 2
3/4" = 1'-0"



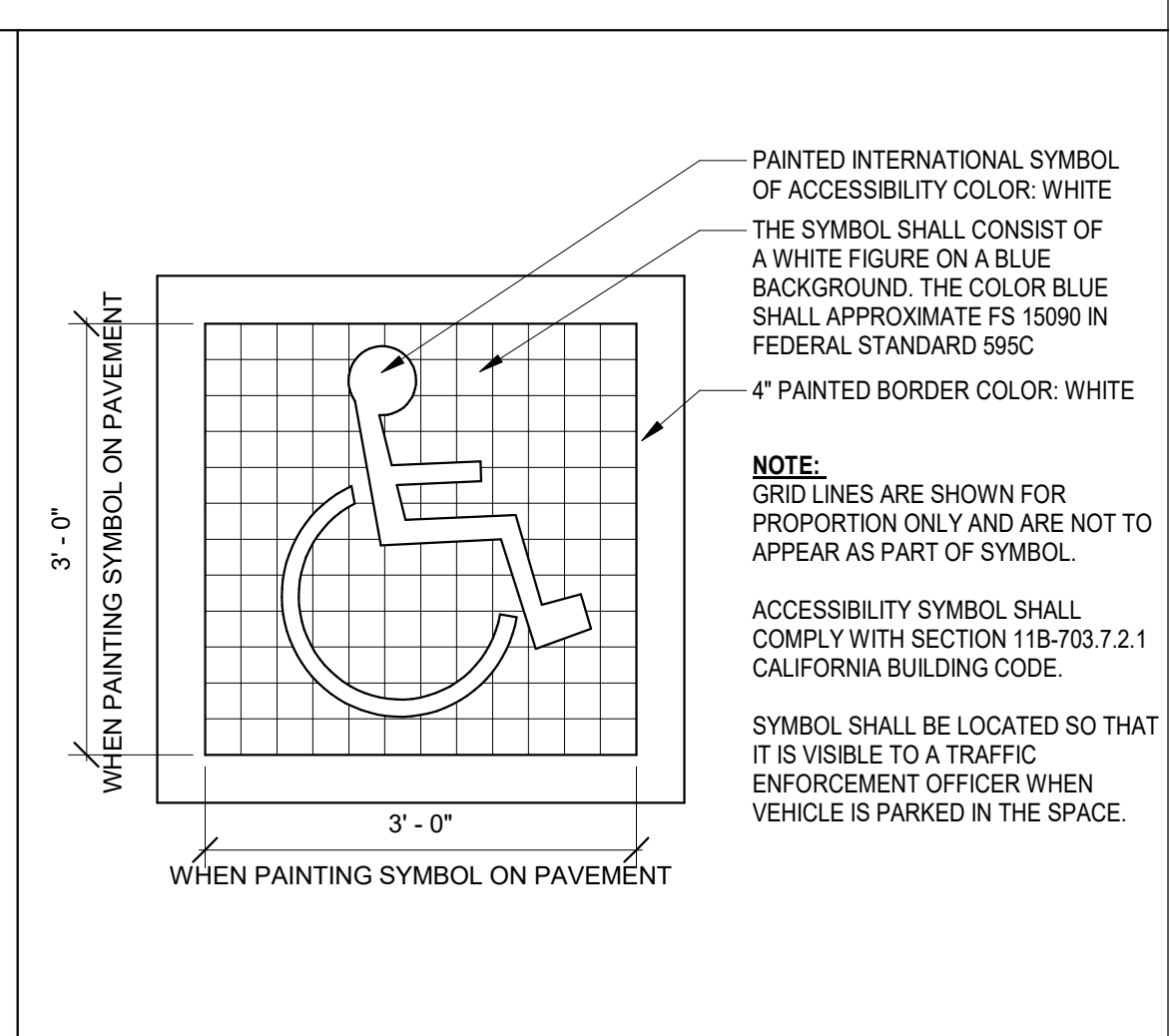
5'-0" TALL CHAINLINK FENCE 17
1/4" = 1'-0"



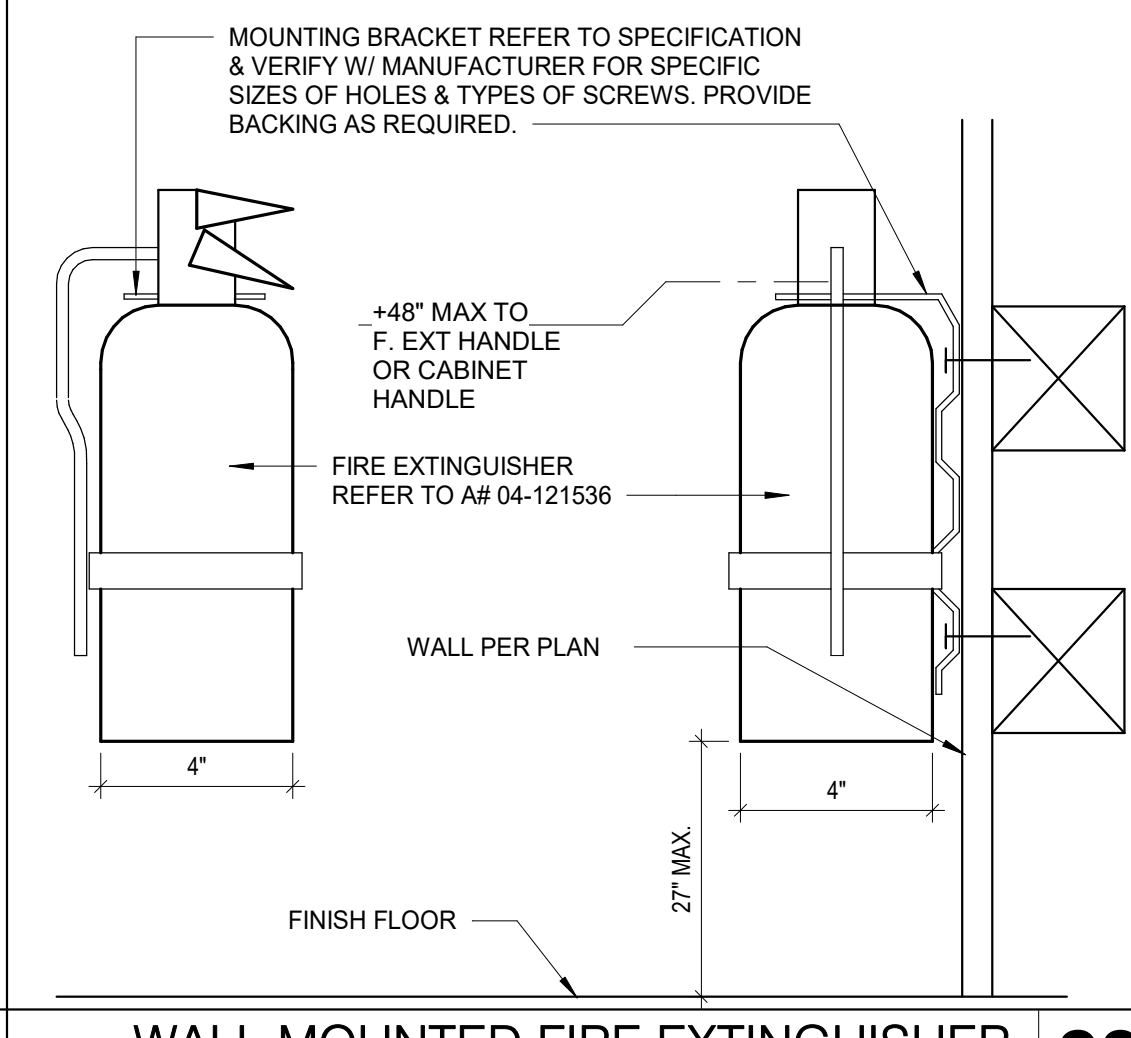
FORK TYPE LATCH 13
1 1/2" = 1'-0"



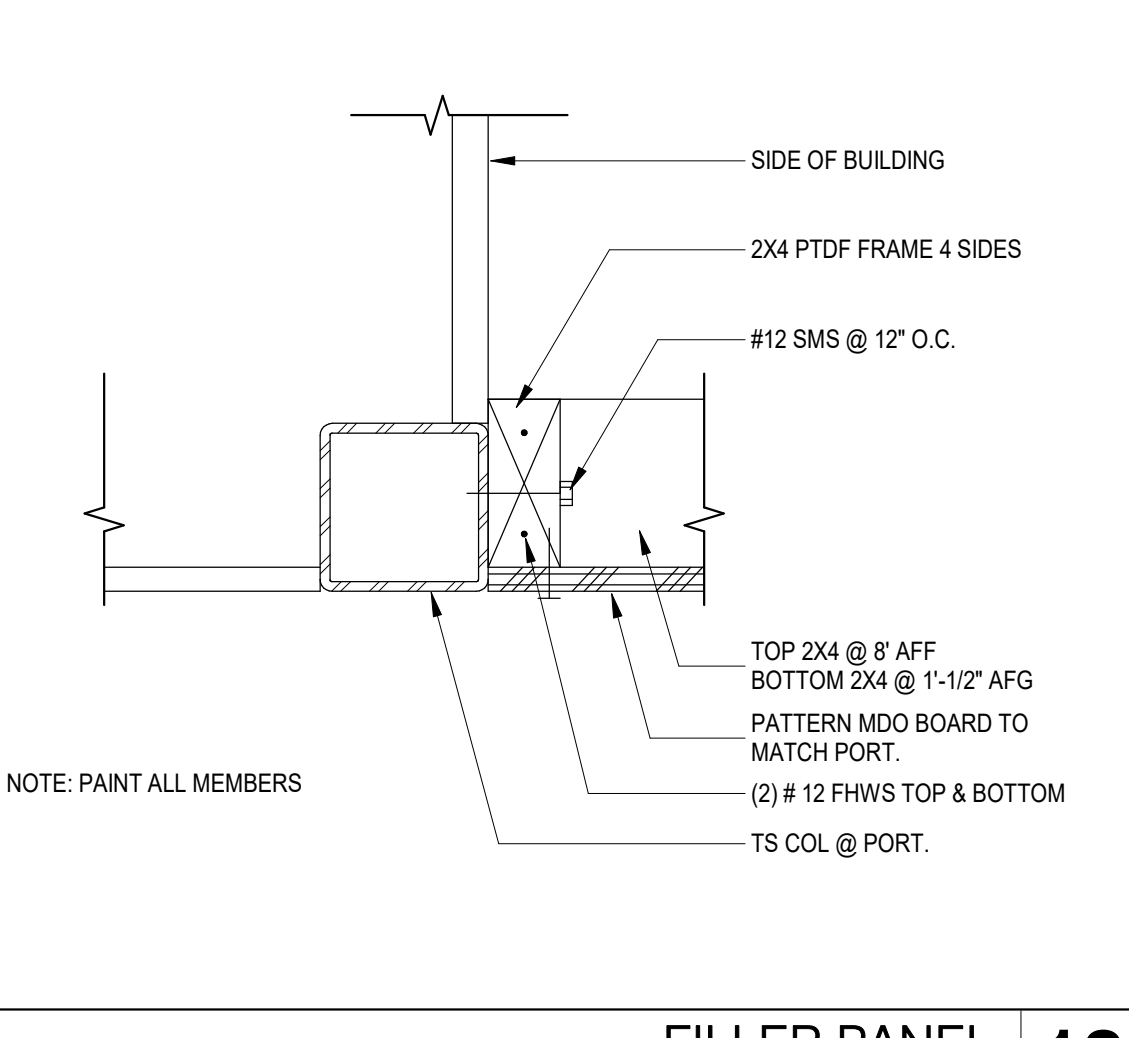
ACCESSIBLE PARKING SIGN 8
1" = 1'-0"



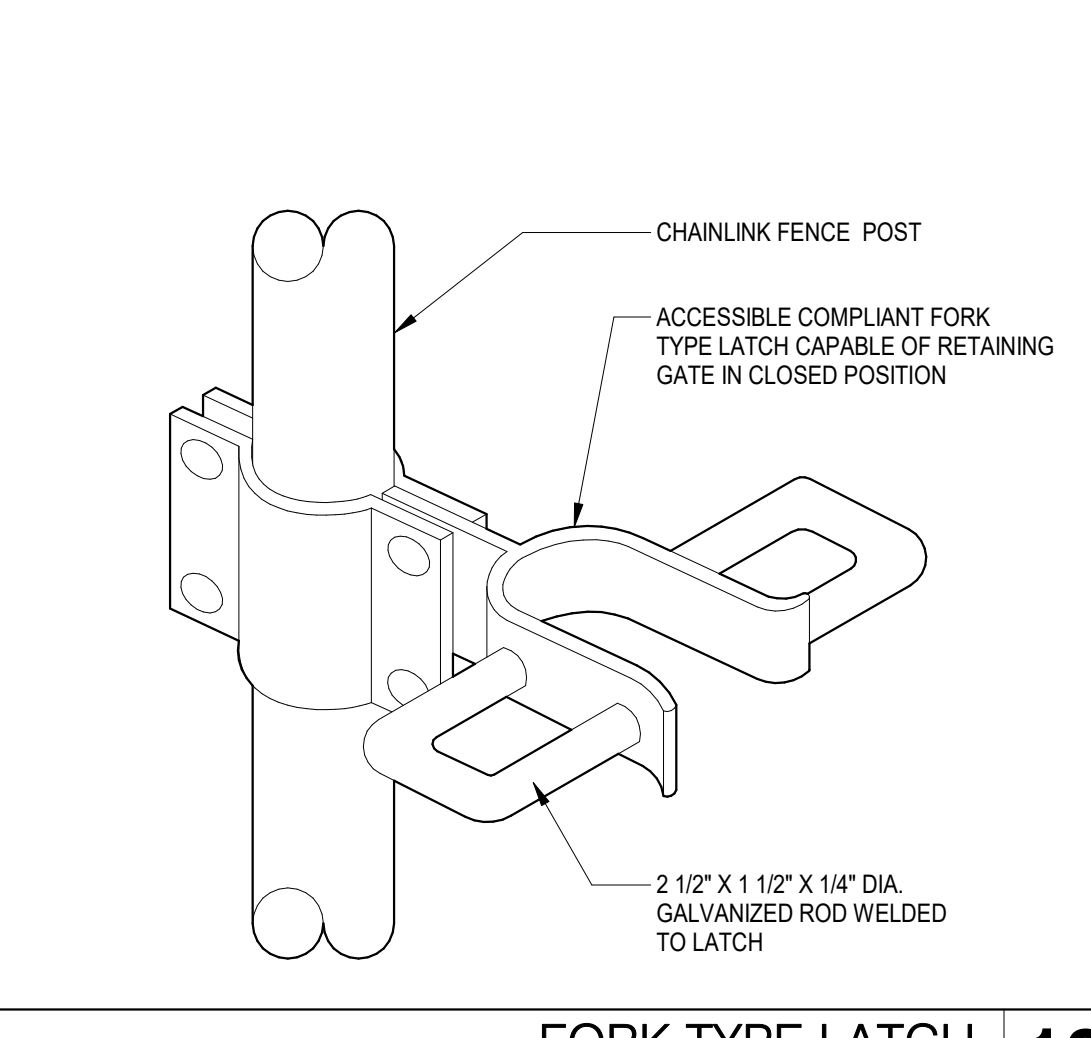
TRUNCATED DOMES 4
3" = 1'-0"



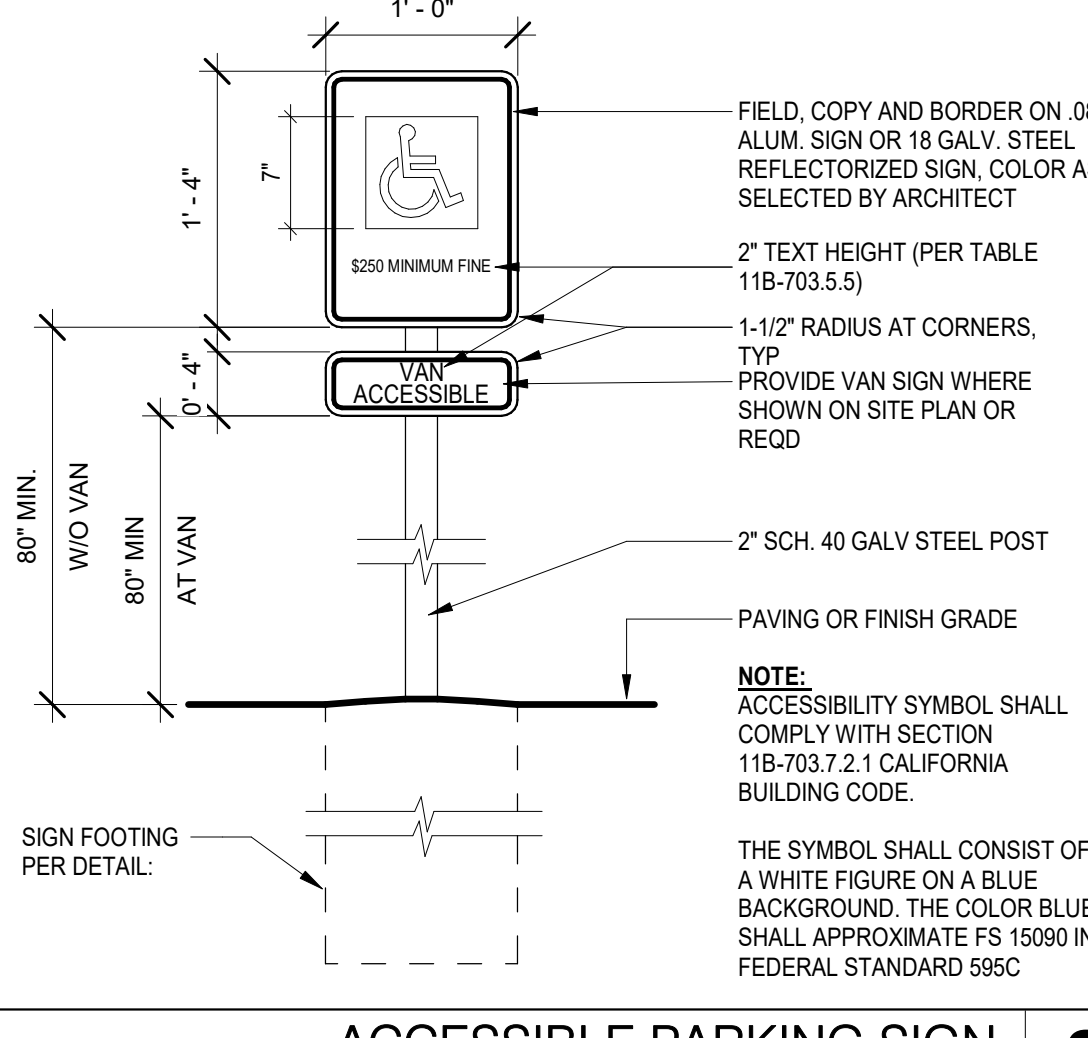
WALL MOUNTED FIRE EXTINGUISHER 23
3" = 1'-0"



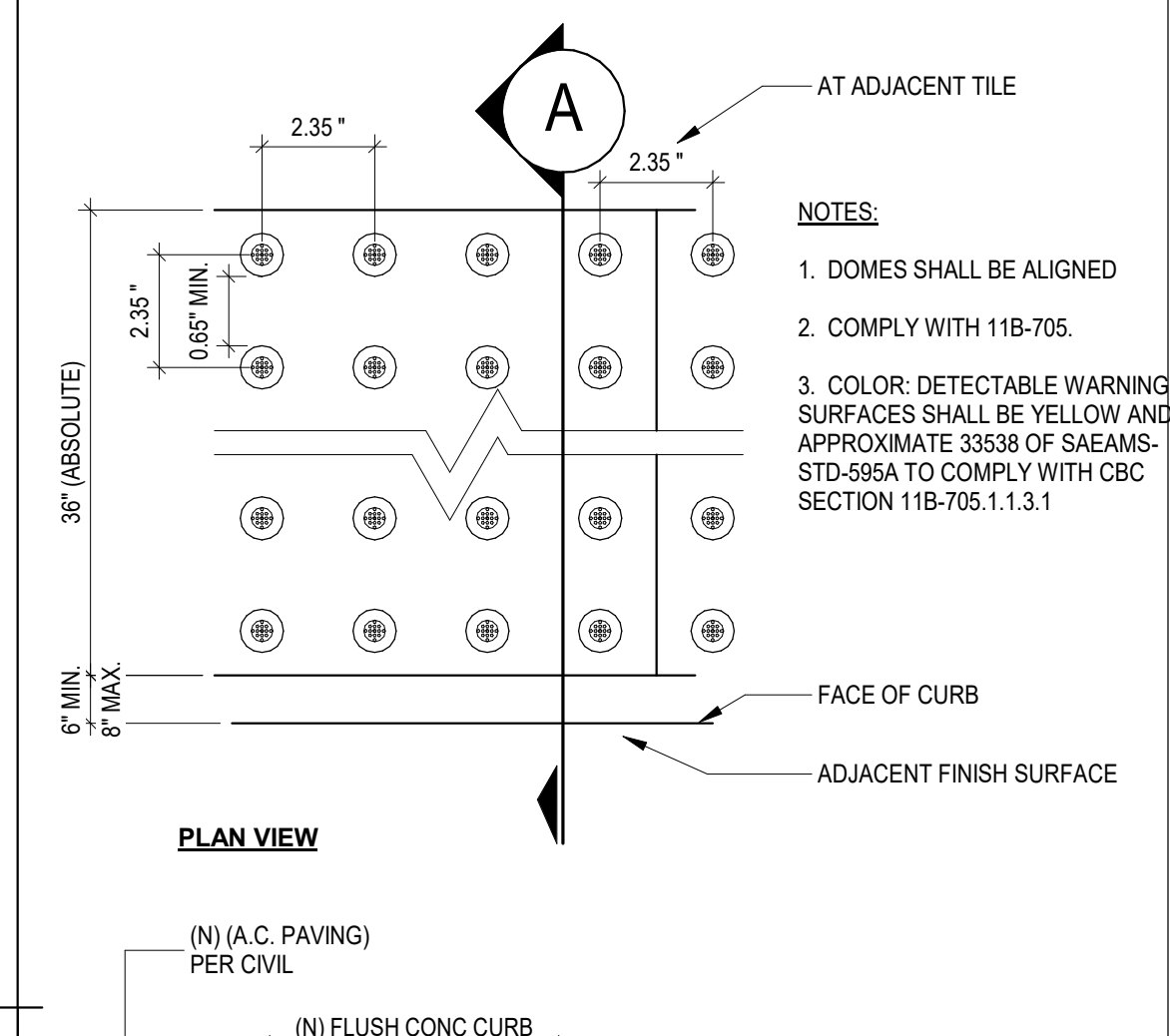
FILLER PANEL 18
3" = 1'-0"



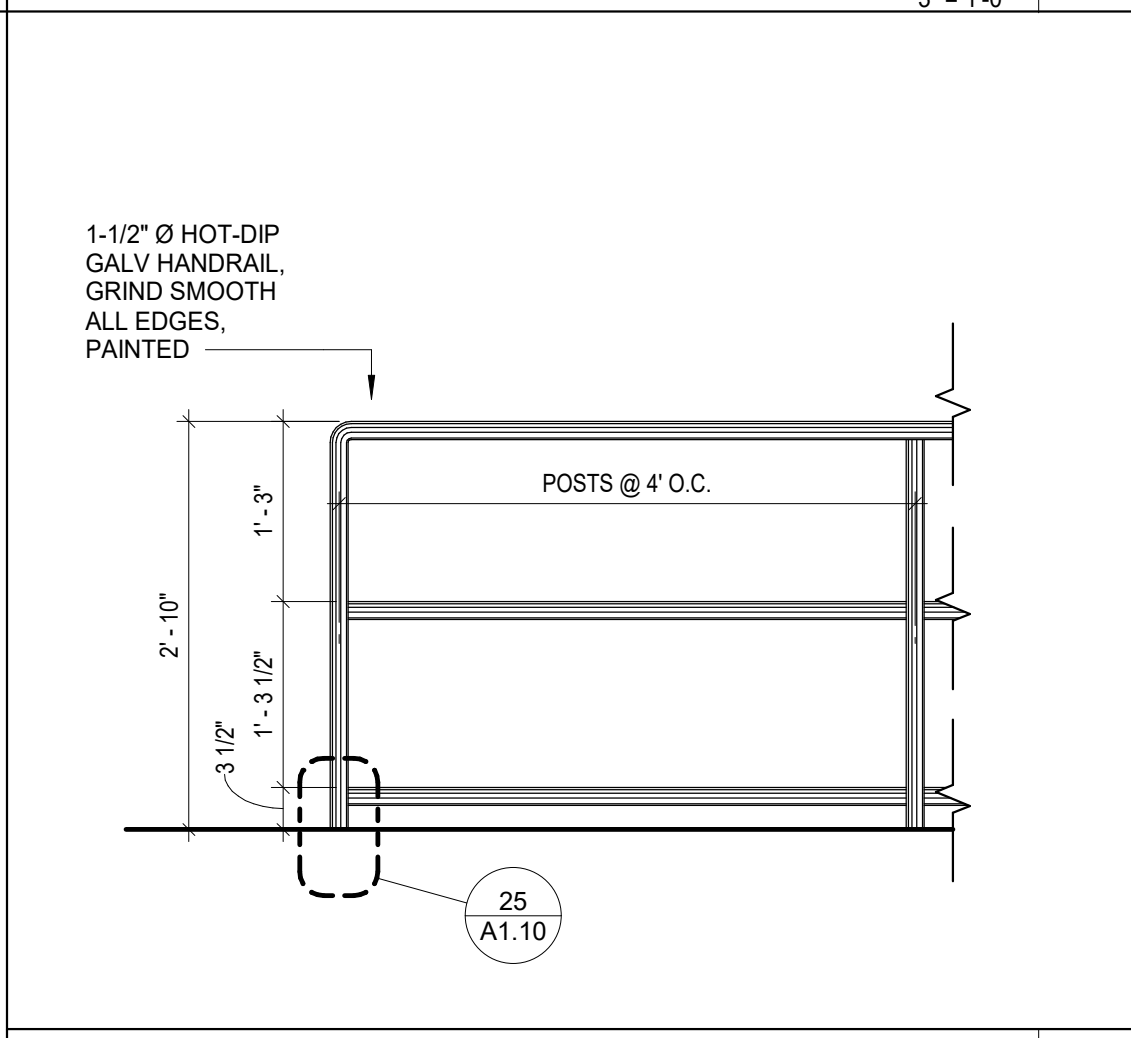
CHAINLINK & FENCE SIZING SCHEDULE 14
3" = 1'-0"



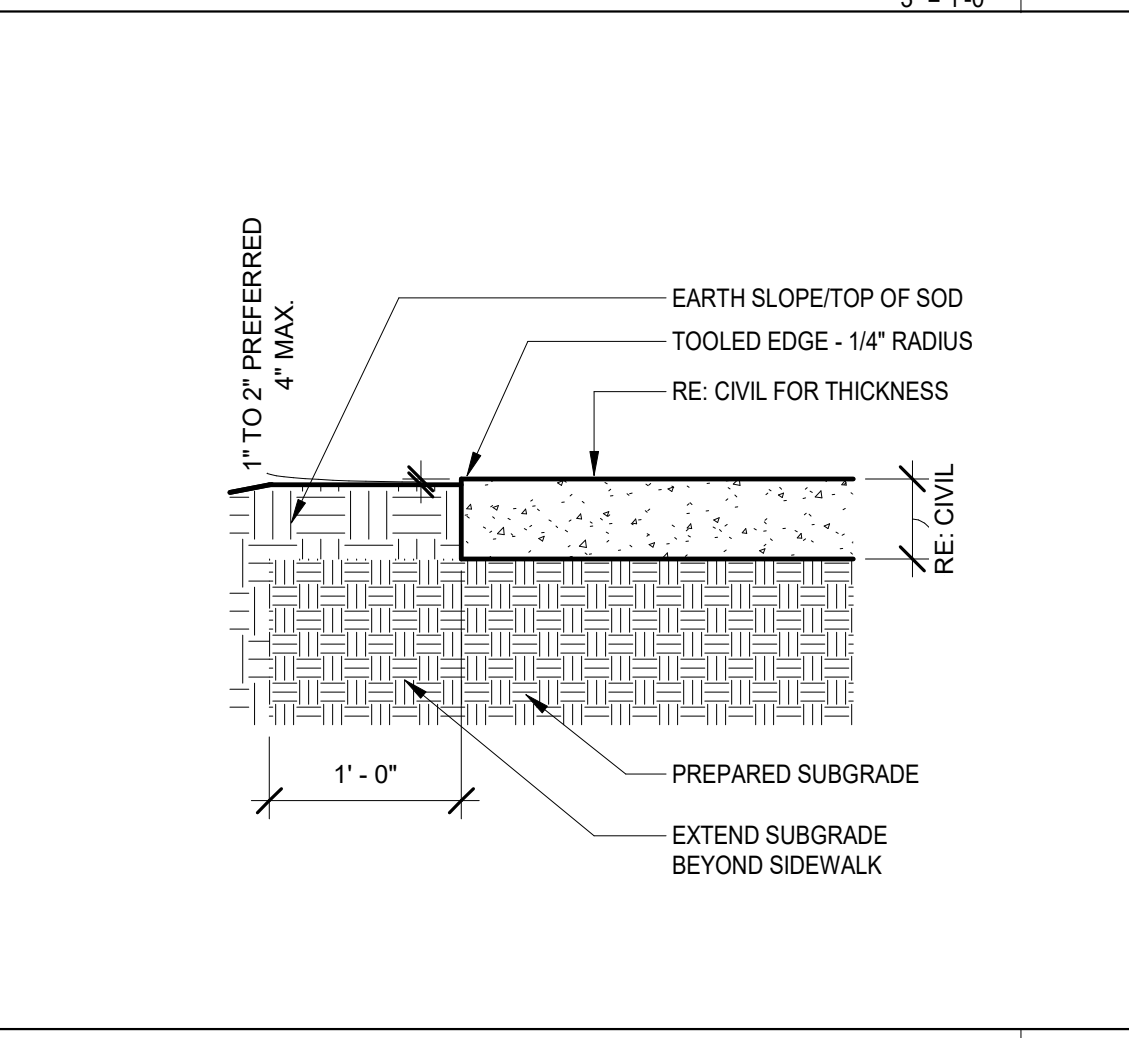
TYPICAL MOUNTED SIGN DETAIL 10
1 1/2" = 1'-0"



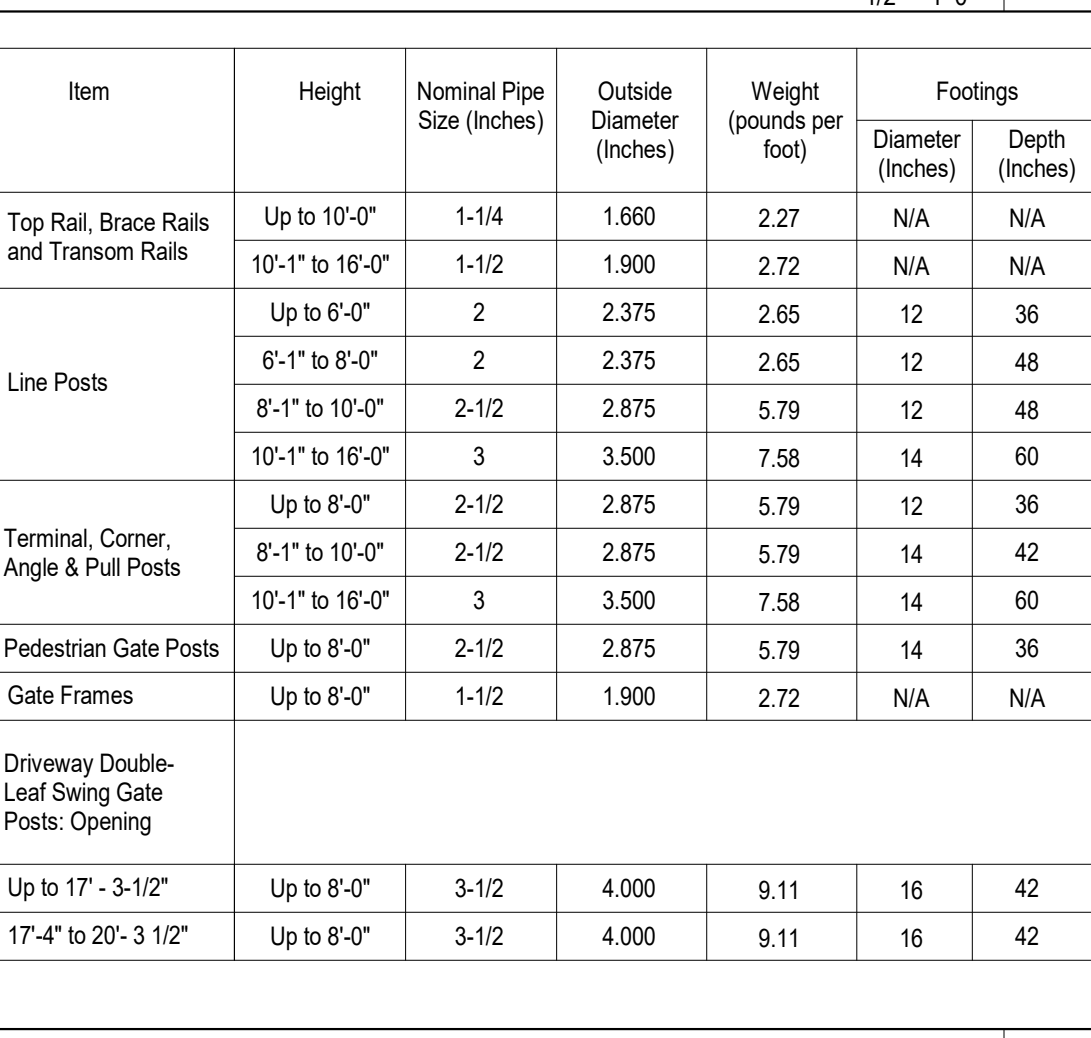
ACCESS AISLE STRIPING 5
1/2" = 1'-0"



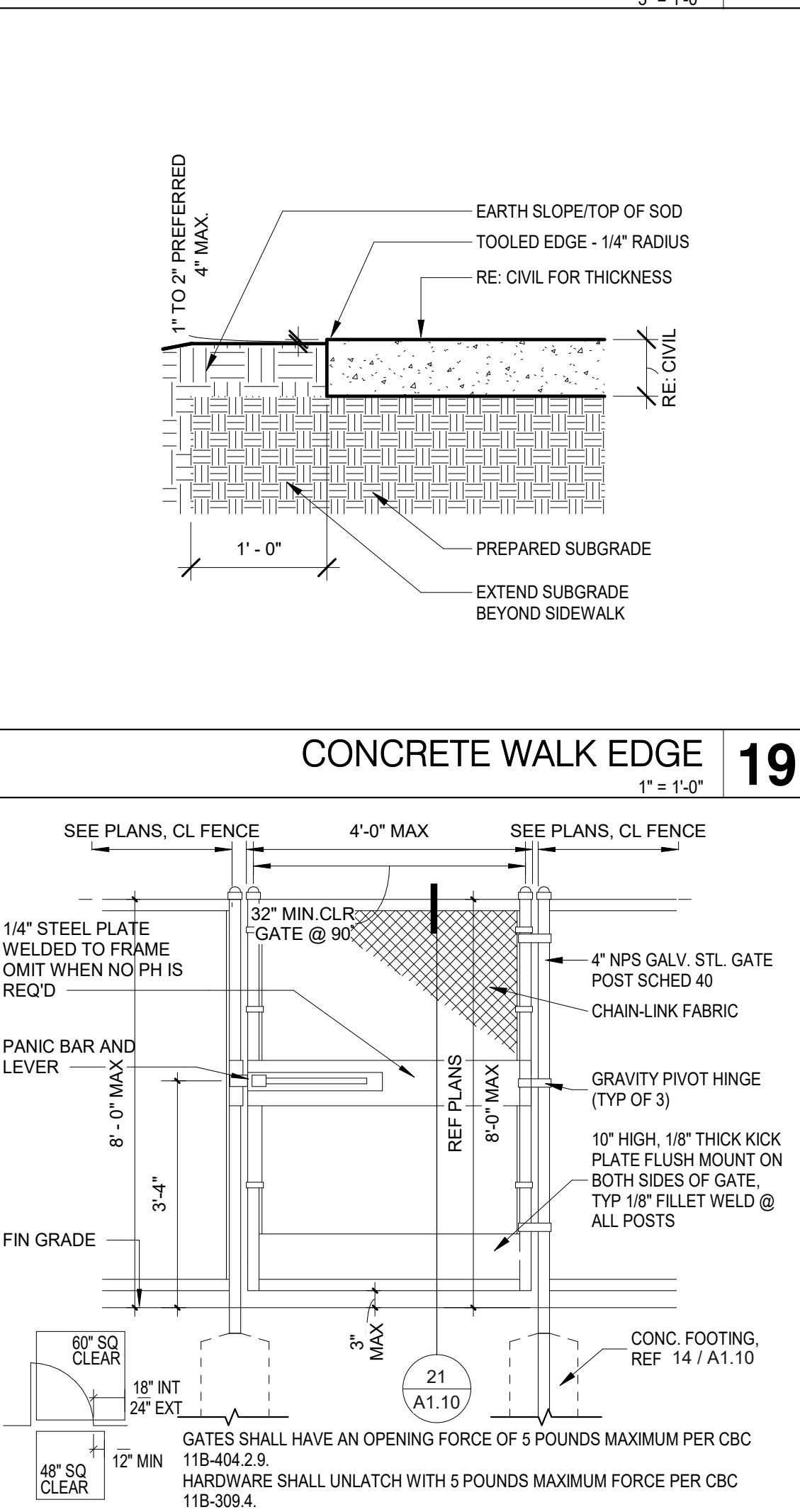
RAILING DETAIL 24
3/4" = 1'-0"



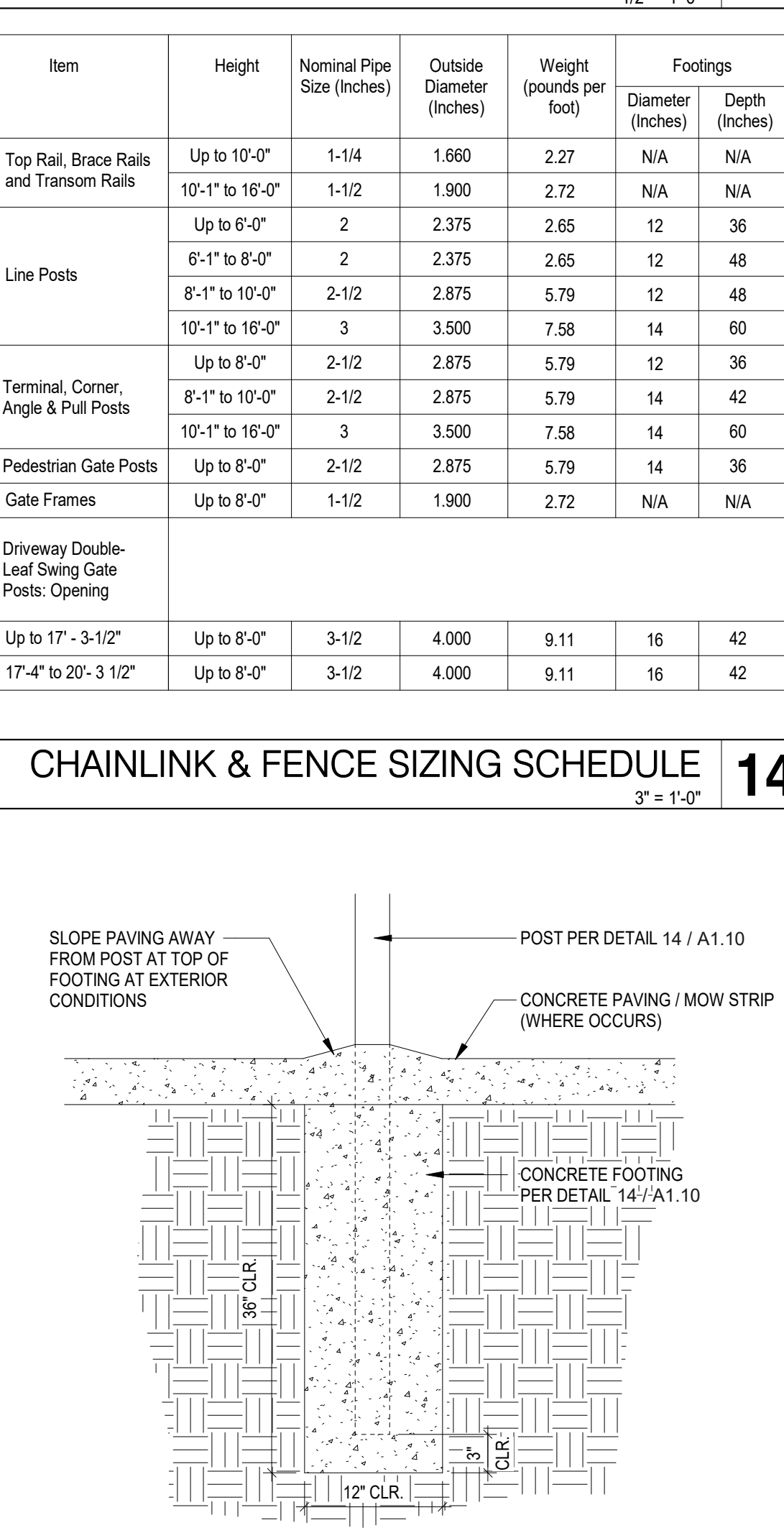
CONCRETE WALK EDGE 19
1" = 1'-0"



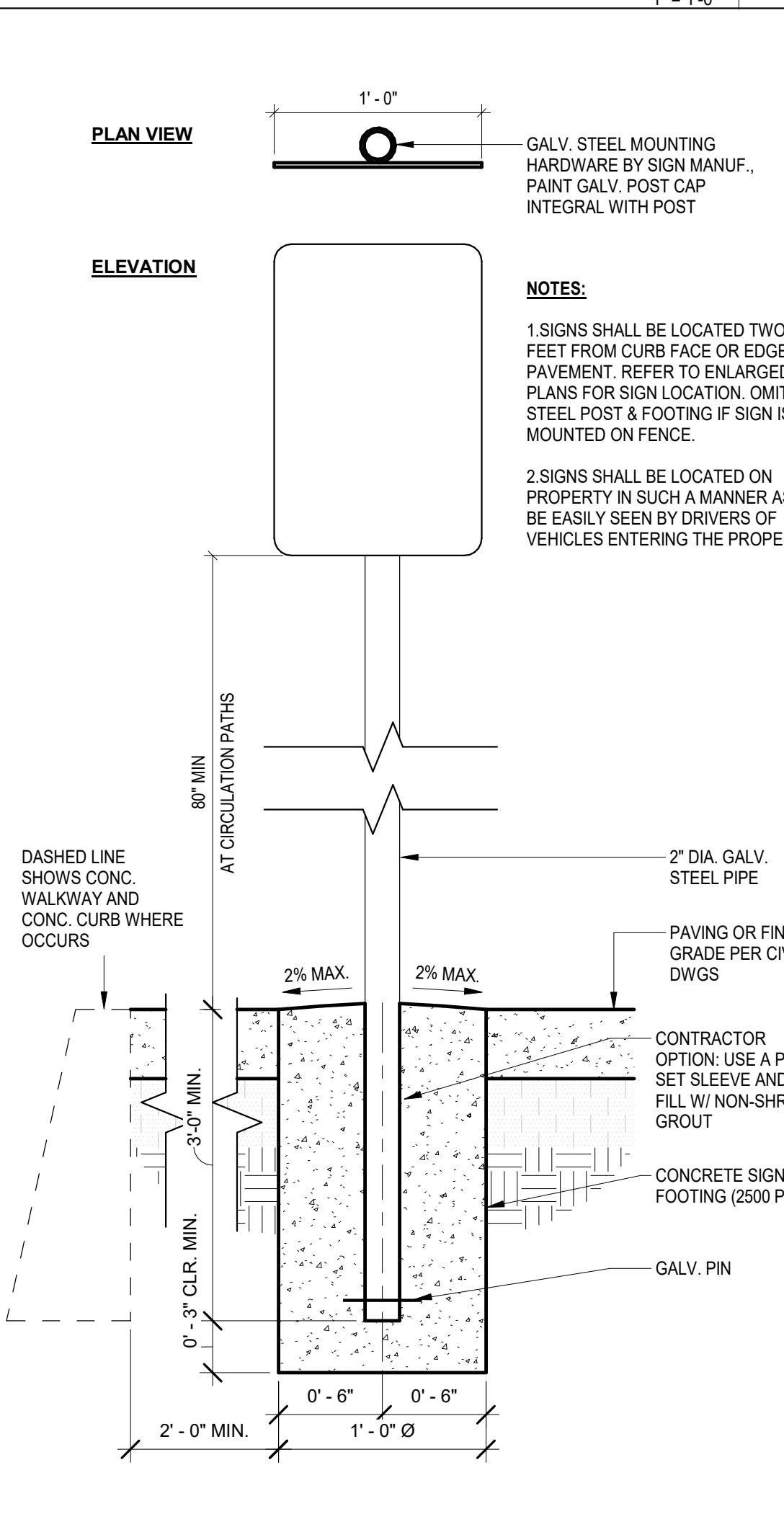
POST SLEEVE 25
1" = 1'-0"



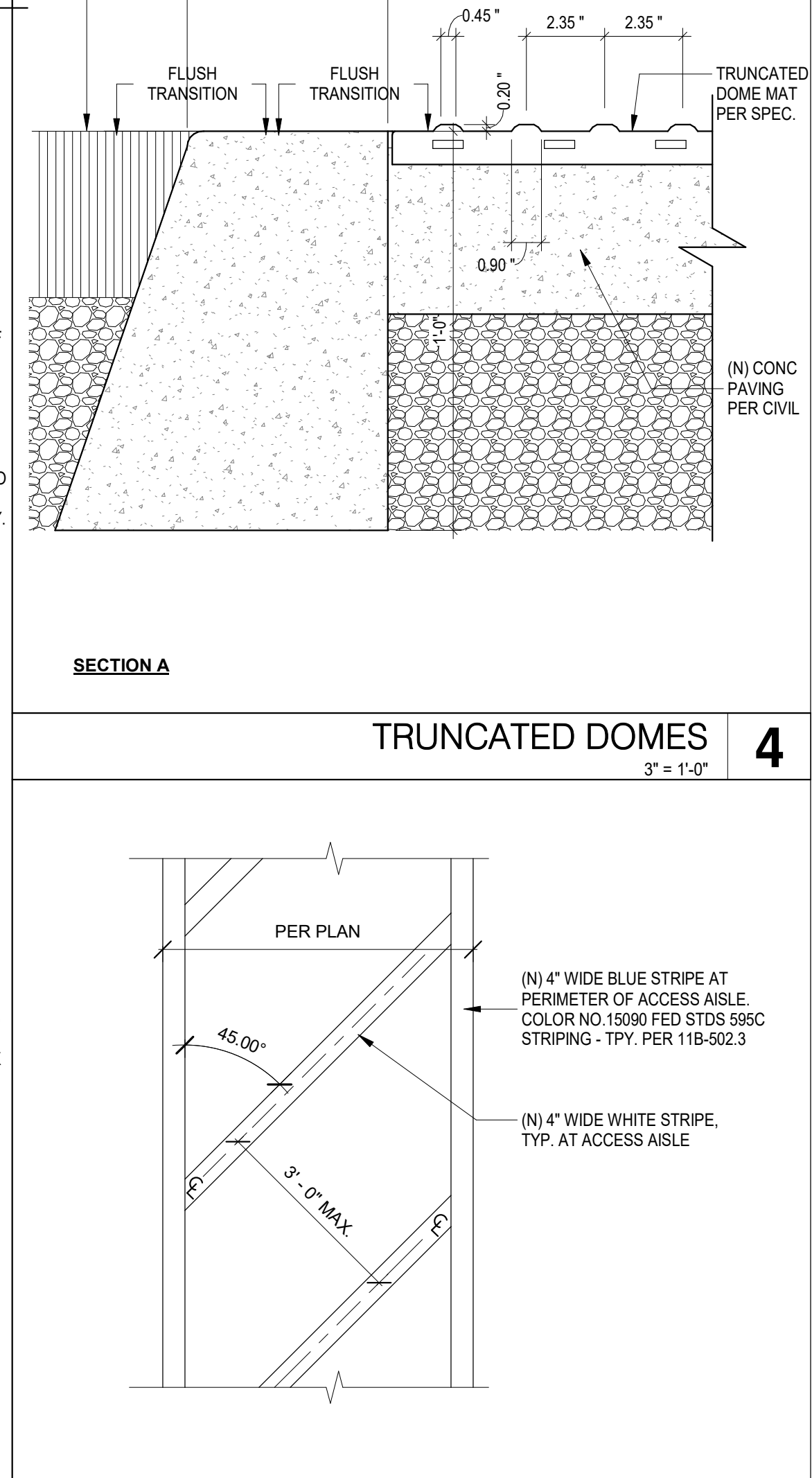
ACCESSIBLE CL GATE 20
1/2" = 1'-0"



POST FOOTING 15
1" = 1'-0"



ACCESSIBLE PARKING SYMBOL 2
3/4" = 1'-0"



ACCESSIBLE PARKING SIGN 8
1" = 1'-0"

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GUIN FOSS ELEMENTARY SCHOOL RELOCATABLE ADDITION

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Consultant

Architect

CLIENT
TUSD

DATE
04/11/2024

PROJECT NUMBER
230554

No.	Description	Date

ENLARGED PARKING PLANS AND DETAILS

RAMP/STAIR HANDRAIL HEIGHT
MARKER BOARD HEIGHT

LEGEND
ADULT DIMENSIONS (STAFF, AGE 12 AND OVER)
ELEMENTARY DIMENSIONS (AGE 5 - 8)
K = KINDERGARTEN AND PRE-SCHOOL DIMENSIONS (3 - 4)

NOTE
1. ALL FIXTURES AND ACCESSORIES ARE ACCESSIBLE UNLESS OTHERWISE NOTED OR DIMENSIONED.
2. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
3. SEE ENLARGED TOILET PLANS FOR TOILET ACCESSORY LOCATIONS.
4. ALL ACCESSORIES ARE TO BE ACCESSIBLE WITH A MAXIMUM REACH HEIGHT OF 3'-4" FROM FLOOR TO TOP OF FUNCTIONAL POINT UNLESS OTHERWISE NOTED OR DIMENSIONED. MIRROR HEIGHT IS TO BOTTOM OF REFLECTIVE SURFACE.

MOUNTING HEIGHTS SCHEDULE 12
3/16" = 1'-0"

12

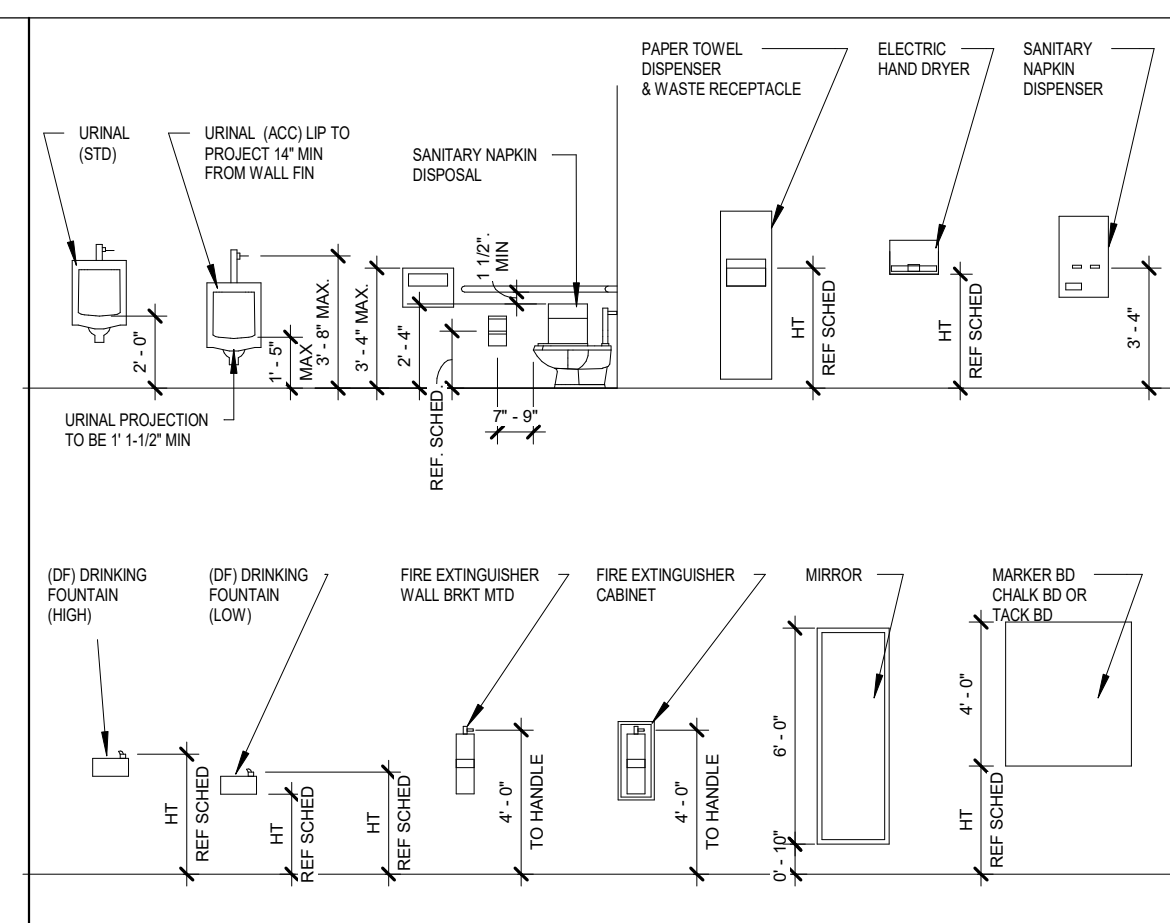
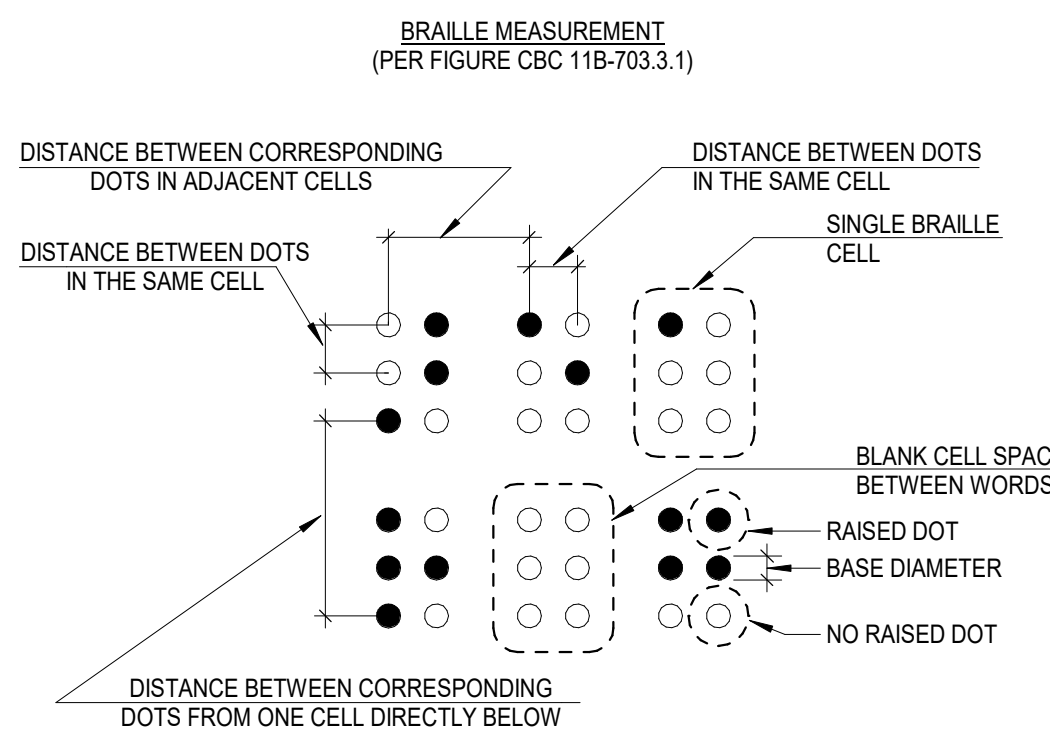
AL.11 - SPECIALTY DETAILS

0' 1'

BRaille DIMENSIONS
(PER TABLE CBC 11B-703.3.1)

MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
DOT BASE DIAMETER	0.059 (1.5 MM) TO 0.063 (1.6 MM)
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL ¹	0.100 (2.5 MM)
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS ¹	0.300 (7.6 MM)
DOT HEIGHT	0.025 (0.6 MM) TO 0.037 (0.9 MM)
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW ¹	0.305 (10 MM) TO 0.400 (10.2 MM)

1. MEASURED CENTER TO CENTER



FIXTURE	SUGGESTED DIMENSION		
	A	E	K
TOILET CENTER LINE FROM WALL	1'-5" - 1'-6"	1'-0" - 1'-3"	1'-0" - 1'-2"
TOILET SEAT HEIGHT (TOP OF SEAT)	1'-5" - 1'-7"	1'-0" - 1'-3"	1'-0" - 1'-2"
GRAB BAR HEIGHT (TOP OF BAR)	2'-9" - 3'-0"	1'-8" - 2'-1"	1'-6" - 1'-8"
TOILET PAPER DISPENSER HT TO OUTLET	1'-7" MIN	1'-2" - 1'-5"	1'-2" - 1'-5"
NAPKIN DISPOSAL IN BACK OF TOILET DISPENSER OR MIRROR HEIGHT	6" MAX	N/A	N/A
LAVATORY/SINK TOP HEIGHT	3'-4" MAX	3'-4" MAX	3'-1" MAX
LAVATORY APRON CLEARANCE	2'-10" MAX	2'-7" MAX	2'-8" MAX
LAVATORY/SINK KNEE CLEARANCE	2'-5" MIN	N/A	N/A
DF BUBBLER HEIGHT: HIGH	2'-3" MIN	2'-0" MIN	2'-6" MIN
DF BUBBLER FROM FRONT EDGE	38" - 43"	38" - 43"	2'-6" MAX
DF CONTROL FROM FRONT EDGE	3'-0" MAX	2'-8" MAX	3'-1/2" MAX
DF KNEE CLEARANCE	6" MAX	6" MAX	6" MAX
RAMP/STAIR HANDRAIL HEIGHT	2'-3" MIN	PARALLEL APPROACH	PARALLEL APPROACH
MARKER BOARD HEIGHT	2'-10" - 3'-2"	2'-10" - 3'-2"	2'-4" MAX
	3'-0"	2'-0"	2'-0"

LEGEND
ADULT DIMENSIONS (STAFF, AGE 12 AND OVER)
ELEMENTARY DIMENSIONS (AGE 5 - 8)
K = KINDERGARTEN AND PRE-SCHOOL DIMENSIONS (3 - 4)

NOTE
1. ALL FIXTURES AND ACCESSORIES ARE ACCESSIBLE UNLESS OTHERWISE NOTED OR DIMENSIONED.
2. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
3. SEE ENLARGED TOILET PLANS FOR TOILET ACCESSORY LOCATIONS.
4. ALL ACCESSORIES ARE TO BE ACCESSIBLE WITH A MAXIMUM REACH HEIGHT OF 3'-4" FROM FLOOR TO TOP OF FUNCTIONAL POINT UNLESS OTHERWISE NOTED OR DIMENSIONED. MIRROR HEIGHT IS TO BOTTOM OF REFLECTIVE SURFACE.

SIGNS AND IDENTIFICATION

IDENTIFICATION SIGNS
WHEN SIGNS IDENTIFY PERMANENT ROOMS AND SPACES OF A BUILDING OR SITE, THEY SHALL COMPLY WITH REQUIREMENTS FOR FINISH AND CONTRAST, PROPORTIONS, RAISED CHARACTERS AND PICTORIAL SYMBOLS, BRAILLE, & MOUNTING LOCATION AND HEIGHT.

DIRECTIONAL AND INFORMATIONAL SIGNS
WHEN SIGNS DIRECT TO OR GIVE INFORMATION ABOUT PERMANENT ROOMS AND FUNCTIONAL SPACES OF A BUILDING OR SITE, THEY SHALL COMPLY WITH REQUIREMENTS FOR FINISH AND CONTRAST, PROPORTIONS, & CHARACTER HEIGHT.

ACCESSIBILITY SIGNS
WHEN SIGNS IDENTIFY DIRECT TO OR GIVE INFORMATION ABOUT ACCESSIBLE ELEMENTS AND FEATURES OF A BUILDING OR SITE, THEY SHALL INCLUDE THE APPROPRIATE SYMBOL OF ACCESSIBILITY (PROPORTIONS SHALL MATCH CBC FIGURE 11B-703.2.1) AND SHALL COMPLY WITH FUNCTIONAL SPACES OF A BUILDING OR SITE, THEY SHALL COMPLY WITH REQUIREMENTS FOR FINISH AND CONTRAST, PROPORTIONS, & CHARACTER HEIGHT.

FINISH AND CONTRAST
CHARACTERS, SYMBOLS AND THEIR BACKGROUND SHALL HAVE A NONGLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND.

VISUAL CHARACTER PROPORTIONS
VISUAL CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM ON THE HEIGHT OF THE UPPERCASE "I". STROKE THICKNESS OF THE UPPERCASE "I" SHALL BE 10 PERCENT MINIMUM AND 20 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER.

VISUAL CHARACTER REQUIREMENTS
VISUAL CHARACTERS SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS REFERENCED FROM CBC SECTION 11B-703.5. VISUAL CHARACTERS SHALL BE UPPERCASE OR LOWERCASE OR A COMBINATION OF BOTH (11B-703.5.2). VISUAL CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS (11B-703.5.3). VISUAL CHARACTERS SHALL BE 6" MINIMUM ABOVE FINISH FLOOR OR GROUND (11B-703.5.6). VISUAL CHARACTER SPACING BETWEEN INDIVIDUAL ADJACENT CHARACTERS SHALL BE 10% MIN. AND 30% MAX. OF CHARACTER HEIGHT (11B-703.5.8). VISUAL CHARACTER LINE SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF CHARACTERS WITHIN A MESSAGE SHALL BE 135% MIN. AND 170% MAX. OF THE CHARACTER HEIGHT (11B-703.5.9).

VISUAL CHARACTER HEIGHT
VISUAL CHARACTERS ON DIRECTIONAL, INFORMATIONAL SIGNS, AND ACCESSIBILITY SIGNS SHALL BE SIZES ACCORDING TO THE TABLE BELOW. THE MINIMUM HEIGHT IS MEASURED USING AN UPPERCASE "I". LOWERCASE CHARACTERS ARE PERMITTED. VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CHARACTER AND AN OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS THE SIGN.

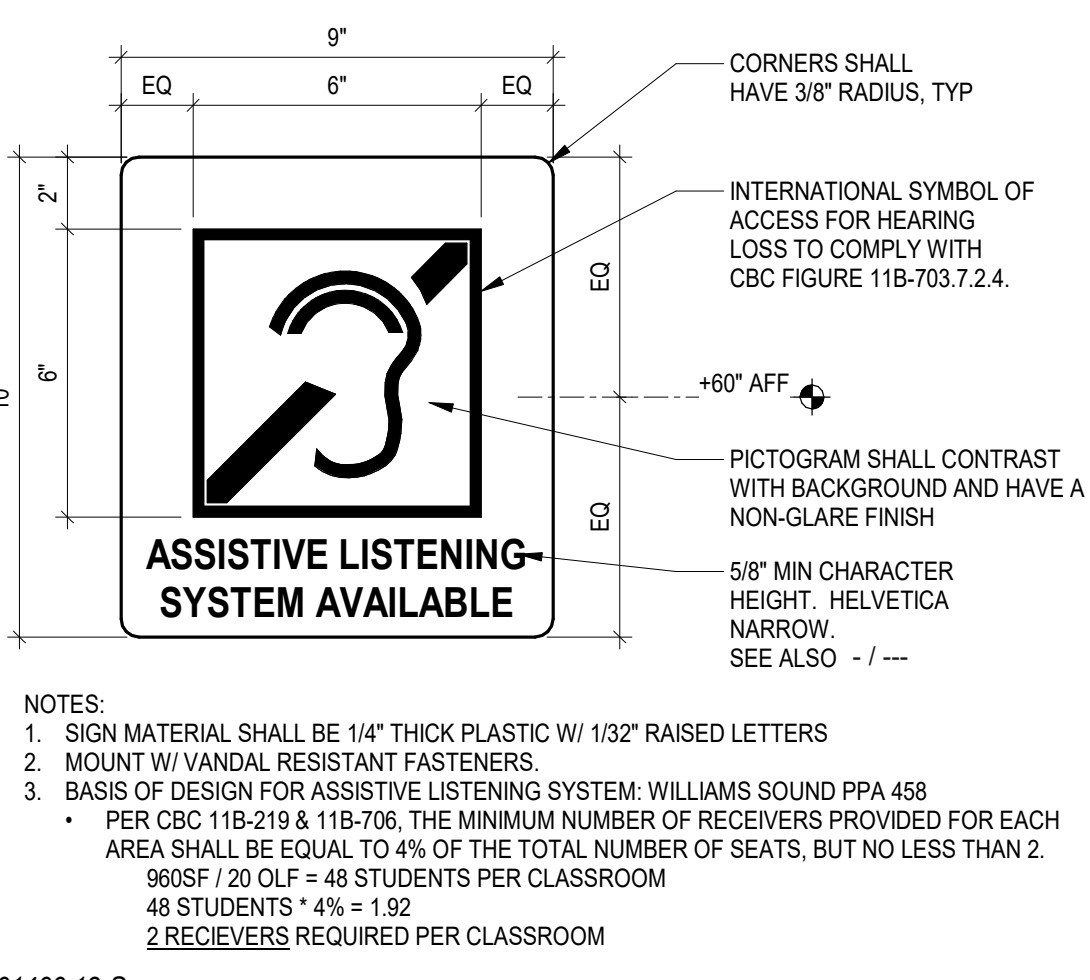
VISUAL CHARACTER HEIGHT

HEIGHT TO FINISH FLOOR OR GROUND FROM BASELINE OF CHARACTER	HORIZONTAL VIEWING DISTANCE	MINIMUM CHARACTER HEIGHT
40 INCHES TO LESS THAN OR EQUAL TO 70 INCHES	LESS THAN 72 INCHES	5/8 INCH
	72 INCHES AND GREATER	5/8 INCH, PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 72 INCHES
GREATER THAN 70 INCHES TO LESS THAN OR EQUAL TO 120 INCHES	LESS THAN 180 INCHES	2 INCHES
	180 INCHES AND GREATER	2 INCHES, PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 180 INCHES
GREATER THAN 120 INCHES	LESS THAN 21 FEET	3 INCHES
	21 FEET AND GREATER	3 INCHES, PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 21 FEET

RAISED CHARACTERS AND PICTORIAL SYMBOLS
WHEN RAISED CHARACTERS ARE REQUIRED OR WHEN PICTORIAL SYMBOLS (PICTOGRAMS) ARE USED ON SUCH SIGNS, THEY SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

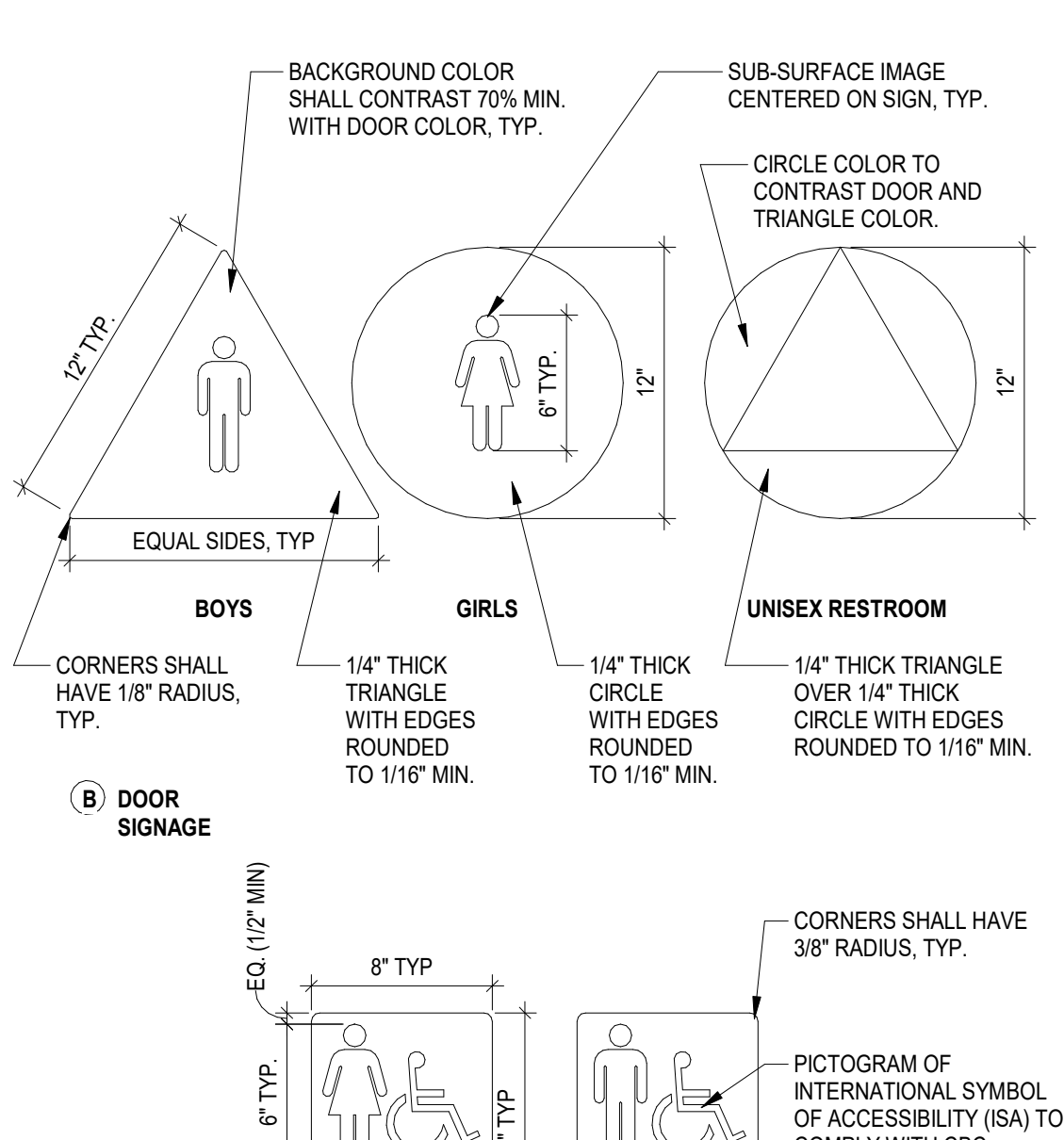
- A. CHARACTER TYPE:**
CHARACTERS ON SIGNS SHALL BE RAISED 1/32 INCH MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY CONTRACTED (GRADE 2) BRAILLE.
- B. CHARACTER SIZE:**
RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8 INCH AND A MAXIMUM OF 2 INCHES HIGH BASED UPON THE UPPERCASE "I". STROKE THICKNESS OF THE UPPERCASE "I" SHALL BE 15% MAXIMUM OF THE HEIGHT OF THE CHARACTER. SPACING SHALL BE MEASURED BETWEEN THE CLOSEST POINTS.
- C. CHARACTER SPACING:**
CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8 INCH MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM WHERE CHARACTERS HAVE OTHER CROSS SECTIONS. SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/16 INCH MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE BASE OF THE CROSS SECTIONS. AND 1/8 INCH MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE TOP OF THE CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 3/8 INCH MINIMUM.
- D. LINE SPACING:**
SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM AND 170 PERCENT MAXIMUM OF THE RAISED CHARACTER HEIGHT.
- E. PICTORIAL SYMBOL SIGNS (PICTOGRAMS):**
PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE ACCOMPANIED BY THE VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE OUTSIDE DIMENSION OF THE PICTOGRAM FIELD SHALL BE A MINIMUM OF 6 INCHES IN HEIGHT.
- F. CHARACTER PLACEMENT:**
CHARACTERS AND BRAILLE SHALL BE IN A HORIZONTAL FORMAT. BRAILLE SHALL BE PLACED A

BRaille STANDARDS FOR SIGNAGE 22
6" = 1'-0"



ASSISTIVE LISTENING SIGNAGE 23
3" = 1'-0"

MOUNTING HEIGHTS SCHEDULE 17
3/16" = 1'-0"

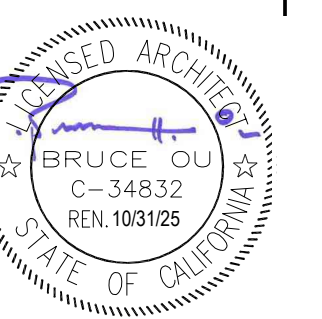


Not for permitting or construction



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GUIN FOSS ELEMENTARY SCHOOL RELOCATABLE ADDITION



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12712 Elizabeth Way,
Tustin, CA 92780



DSA-APPL. NO. XXXX DSA-FILE NO. XXXX

ELECTRICAL SYMBOL LEGEND

1. EVERY SYMBOL SHOWN ON LEGEND MAY NOT APPEAR ON DRAWINGS.

LIGHTING

LED LIGHTING FIXTURE, LETTER INDICATES TYPE, SMALL LETTER INDICATES SWITCH CONTROL, NUMBER INDICATES CIRCUIT, CROSS HATCHING INDICATES FIXTURE ON EMERGENCY SYSTEM, FOR SOLID CIRCLE WITHIN FIXTURE REFERENCE APPROPRIATE CATEGORY "A" CIRCUIT RELATED SYMBOL.

EXIT LIGHT FIXTURE, LETTER INDICATES TYPE, NUMBER INDICATES CIRCUIT, NUMBER AND LOCATION OF SHADED TRIANGLE SECTIONS INDICATE NUMBER OF EXIT SIGN FACES AND DIRECTION OF EACH FACE. PROVIDE CHEVRON DIRECTIONAL INDICATORS AS SHOWN ON DRAWINGS

CONTROL

SWITCH, SMALL LETTER INDICATES FIXTURES CONTROLLED, "P" INDICATES PILOT LIGHT, "WP" INDICATES WEATHER-PROOF, "K" INDICATES KEY OPERATED, "MO" INDICATES SPOT MOMENTARY CONTACT, "Z" INDICATES SPOT, "3" INDICATES 3-WAY, "4" INDICATES 4-WAY, "M" INDICATES MANUAL MOTOR STARTER, CIRCUIT DESIGNATION NEXT TO SWITCH INDICATES BRANCH CIRCUIT NUMBER

WALL BOX DIMMER SWITCH, "MARK" INDICATES WATTAGE IF OTHER THAN 600, "3D" INDICATES 3-WAY DIMMER

PHOTOELECTRIC CONTROL

WALL MOUNT OCCUPANCY SENSOR

DUAL TECHNOLOGY CEILING MOUNTED OCCUPANCY SENSOR

POWER OUTLETS

20A-125V DUPLEX RECEPTACLE

20A-125V GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE, "WP" INDICATES WEATHER PROOF DEVICE

20A-125V DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER TOP, REFER TO ARCHITECT FOR EXACT HEIGHT ABOVE COUNTER

20A-125V FOURPLEX RECEPTACLE, SAME SYMBOLGY AS DUPLEX RECEPTACLE

CIRCUIT DESIGNATION NEXT TO RECEPTACLE DEVICES INDICATES BRANCH CIRCUIT NUMBER, SEE PANEL SCHEDULES FOR INFORMATION.

REMODEL

EQUIPMENT WITH "E" ADJACENT IS EXISTING TO REMAIN.

EXISTING EQUIPMENT WITH "R" ADJACENT IS TO BE COMPLETELY DISCONNECTED AND REMOVED.

EXISTING EQUIPMENT WITH "RR" ADJACENT IS TO BE DISCONNECTED, REMOVED AND RELOCATED TO NEW LOCATION AND RECONNECTED AS REQUIRED.

EQUIPMENT WITH "ER" ADJACENT IS RELOCATED EQUIPMENT SHOWN IN NEW LOCATION.

NO TAG INDICATES NEW EQUIPMENT.

CIRCUIT DESIGNATION WITH PREFIX "E" DENOTES EXISTING CIRCUIT AND EQUIPMENT IS TO REMAIN.

GENERAL NOTES

1. THE CONTRACTOR SHALL VISIT THE SITE INCLUDING ALL AREAS INDICATED ON THE DRAWINGS. HE SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND BY SUBMITTING A BID, ACCEPTS THE CONDITIONS UNDER WHICH HE SHALL BE REQUIRED TO PERFORM HIS WORK.

2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COMPLETE SET OF CONTRACT DOCUMENTS AND ADDENDA (DRAWINGS AND SPECIFICATIONS) HE SHALL CHECK THE CONTRACT DOCUMENTS OF THE OTHER TRADES AND DETERMINE HIS RESPONSIBILITIES. FAILURE TO DO SO SHALL NOT RELEASE THE CONTRACTOR FROM COMPLETING ALL RESPONSIBLE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

3. THE CONTRACTOR SECURE AND PAY FOR ALL PERMITS, FEES, CHARGES, AND INCIDENTAL COSTS NECESSARY FOR EXECUTION AND COMPLETION OF ELECTRICAL WORK, INCLUDING ALL CHARGES BY STATE, COUNTY AND LOCAL GOVERNMENT AGENCIES.

4. ALL ELECTRICAL WORK REFERENCED HEREIN SHALL BE COORDINATED WITH OTHER TRADES AND SITE CONDITIONS. ANY COSTS TO INSTALL WORK TO ACCOMPLISH SAID COORDINATION WHICH DIFFERS FROM THE WORK AS SHOWN ON THE CONTRACT DOCUMENTS SHALL BE INCURRED BY THE CONTRACTOR. ANY DISCREPANCIES, AMBIGUITIES OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT DURING BID TIME FOR CLARIFICATION. ANY SUCH CONFLICTS NOT CLARIFIED PRIOR TO BID SHALL BE SUBJECT TO THE INTERPRETATION OF THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.

5. PROVIDE TEMPORARY POWER FACILITIES AND CONNECTIONS FOR ALL FEEDERS, BRANCH CIRCUITS OR SIGNAL AND COMMUNICATIONS SYSTEMS BEING DISCONNECTED IN ORDER TO MAINTAIN SYSTEMS IN OPERATION.

6. ALL INTERRUPTION OF ELECTRICAL POWER SHALL BE KEPT TO A MINIMUM. HOWEVER WHEN AN INTERRUPTION IS NECESSARY, THE SHUTDOWN MUST BE COORDINATED WITH THE OWNER AND ENGINEER 14 DAYS PRIOR TO THE OUTAGE AND OVERTIME PAY SHALL BE INCLUDED IN THE CONTRACTOR'S BID. WORK IN EXISTING SWITCHBOARDS OR PANEL BOARDS SHALL BE COORDINATED WITH THE OWNER PRIOR TO REMOVING ACCESS PANELS OR DOORS.

7. AFTER ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS HAVE BEEN FULLY COMPLETED, REPRESENTATIVES OF THE OWNERS WILL INSPECT THE WORK. THE CONTRACTOR SHALL PROVIDE COMPETENT PERSONNEL TO DEMONSTRATE THE OPERATION OF ANY ITEM OR SYSTEM TO THE FULL SATISFACTION OF EACH REPRESENTATIVE. FINAL ACCEPTANCE OF THE WORK WILL BE MADE BY THE OWNER AFTER RECEIPT OF APPROVAL AND RECOMMENDATION OF ACCEPTANCE FROM EACH REPRESENTATIVE.

8. FURNISH A ONE YEAR WRITTEN GUARANTEE OF MATERIALS AND WORKMANSHIP FROM THE DATE OF PUNCH LIST COMPLETION.

9. ALL FINAL CONNECTIONS TO OWNER FURNISHED EQUIPMENT SHALL BE MADE BY THE CONTRACTOR.

10. EXACT METHOD AND LOCATION OF CONDUIT PENETRATION AND OPENINGS IN CONCRETE OR MASONRY WALLS, GRADEBEAMS, FLOORS OR STRUCTURAL STEEL MEMBER SHALL BE AS DIRECTED BY THE STRUCTURAL ENGINEER. PERFORM CORING, SAWCUTTING, PATCHING AND REFINISHING OF WALLS AND SURFACES WHEREVER IT IS NECESSARY TO PENETRATE. OPENINGS SHALL BE SEALED IN AN APPROVED METHOD TO MEET THE FIRE RATING OF THE PARTICULAR WALL, FLOOR OR CEILING EXACT METHOD AND LOCATION OF CONDUIT PENETRATIONS AND OPENINGS IN CONCRETE WALLS OR FLOORS SHALL BE UL APPROVED.

11. FINAL CONNECTIONS TO VIBRATING EQUIPMENT AND AT SEISMIC SEPARATIONS SHALL BE FLEXIBLE STEEL CONDUIT IN DRY INTERIOR LOCATIONS, AND LIQUID-TIGHT FLEXIBLE STEEL CONDUIT IN AREAS EXPOSED TO WEATHER, DAMP LOCATIONS, CONNECTIONS TO TRANSFORMER ENCLOSURES, AND FINAL CONNECTIONS TO MOTORS.

12. EQUIPMENT OUTLETS, LIGHTING FIXTURES, CONDUIT, WIRE AND CONNECTION METHODS IN HVAC AIR-PLenums SHALL BE APPROVED FOR USE IN PLENUMS AND SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE.

13. ROUTE EXPOSED CONDUIT AND CONDUIT ABOVE ACCESSIBLE CEILING SPACES PARALLEL AND PERPENDICULAR TO WALLS AND ADJACENT PIPING, ARRANGE CONDUIT TO MAINTAIN HEADROOM AND TO PRESENT A NEAT APPEARANCE.

14. CONDUIT SHALL NOT BE INSTALLED IN ANY FLOOR SLAB. CONDUIT SHALL BE INSTALLED CONCEALED IN THE CEILING SPACE, CONCEALED WALLS, OR 24" MINIMUM BELOW SLAB ON GRADE UNLESS NOTED OTHERWISE.

15. LOCATE ELECTRICAL EQUIPMENT AND BOXES IN ACCESSIBLE CEILING SPACE OR PROVIDE AN ACCESS PANEL FOR INACCESSIBLE CEILING SYSTEMS. ACCESS DOORS SHALL BE A MINIMUM DIMENSION OF 24" x 24" ACCESS DOOR LOCATIONS SHALL SUIT ACCESSIBILITY AND CONSTRUCTION CONDITIONS. ACCESS DOORS SHALL HAVE A FIRE RATING EQUAL TO THE CEILING ASSEMBLY IN WHICH THEY ARE INSTALLED.

16. COORDINATE REQUIRED ACCESS DOORS IN NON-ACCESSIBLE CEILING TO SUIT FIELD CONDITIONS. THE EXACT SIZES AND PHYSICAL LOCATIONS AND SUITABLE CONSTRUCTION CONDITIONS. ACCESS DOORS SHALL BE PROVIDED IN OTHER SECTIONS OF THE SPECIFICATIONS. ACCESS DOORS SHALL HAVE A FIRE RATING EQUAL TO THE CEILING ASSEMBLY IN WHICH THEY ARE INSTALLED.

17. WHENEVER A DISCREPANCY OF ANY SYSTEM AND/OR EQUIPMENT ARISES ON THE CONTRACT DOCUMENTS OR SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL MATERIAL AND SERVICES REQUIRED BY THE STRICTEST CONDITIONS NOTED ON THE DRAWINGS OR SPECIFICATIONS TO ENSURE COMPLETE AND OPERABLE SYSTEMS AS REQUIRED BY THE OWNER AND ARCHITECT/ENGINEER.

18. STRAIGHT FEEDER BRANCH CIRCUIT AND CONDUIT RUNS SHALL BE PROVIDED WITH SUFFICIENT PULL BOXES OR JUNCTION BOXES TO LIMIT THE MAXIMUM LENGTH OF ANY SINGLE CABLE PULL TO 100 FEET. PULL BOXES SHALL BE SIZED PER CODE OR AS INDICATED ON DRAWINGS.

19. PANEL SCHEDULES SHALL BE REVISED TO REFLECT FINAL ROOM NAMES AND NUMBERS USING OWNER'S ROOM NAMES AND NUMBERS DESIGNATIONS. CONTRACTOR TO PROVIDE FINAL PANEL SCHEDULE TO EOR AT COMPLETION OF PROJECT.

20. WHERE OUTLETS OCCUR AT TACKABLE WALL PANELS OR OTHER WALL FINISHES, PROVIDE EXTENSION RINGS AS REQUIRED SO THAT NO SPACE WILL EXIST BETWEEN DEVICE PLATE AND BACKBOX PER CALIFORNIA ELECTRICAL CODE 314.20 SEE ARCHITECTURAL ELEVATIONS FOR WALL FINISHES AND LOCATIONS.

21. COORDINATE LOCATIONS OF ALL SEISMIC SEPARATIONS.

22. ALL 120V POWER REQUIRED FOR THE FUNCTIONALITY OF ALL LOW VOLTAGE / TECHNOLOGY SYSTEMS SHALL BE A DEDICATED CIRCUIT AND ON EMERGENCY POWER WHEN AVAILABLE. CABLING CONTRACTOR SHALL COORDINATE ALL 120V POWER REQUIREMENTS AND LOCATIONS WITH ELECTRICAL CONTRACTOR FOR ALL EQUIPMENT.

23. SYSTEM WIRING AND EQUIPMENT INSTALLATION SHALL BE IN ACCORDANCE WITH GOOD ENGINEERING PRACTICES AS ESTABLISHED BY THE EIA AND THE CEC.

24. ALL AC POWER CABLES ARE TO BE INSTALLED WITH A MINIMUM OF 12 INCHES OF SEPARATION FROM TECHNOLOGY LOW VOLTAGE CABLES, INTERCOM, FIRE ALARM, SECURITY CABLES IN ANY PARALLEL OPEN WIRE RUN.

25. CONTRACTOR SHALL PROVIDE AND INSTALL ALL SLEEVES REQUIRED TO INSTALL COMMUNICATION CABLING THROUGH RATED WALLS. ALL TECHNOLOGY SYSTEM CONDUIT SLEEVES SHALL HAVE PROTECTIVE BUSHING ON BOTH ENDS, BE DEDICATED FOR TECHNOLOGY SYSTEMS ONLY AND SHALL NOT SHARE WITH OTHER BUILDING TRADES.

26. CONTRACTOR SHALL MAINTAIN WALL RATING WITH PROPER FIRE BLOCKING METHODS.

27. ALL CONDUCTORS SHALL BE UL LISTED, COPPER #12 MINIMUM SIZE, TYPE THHN/THWN THERMOPLASTIC, 600 VOLT, 75 DEGREES CELSIUS WET AND 90 DEGREES CELSIUS DRY, UNLESS NOTED OTHERWISE.

28. ALL CABLING SHALL BE ROUTED IN CONDUIT. SIZE CONDUIT AS REQUIRED TO ROUTE SYSTEMS WITH MAXIMUM 40% CABLE FILL. MINIMUM CONDUIT SIZE SHALL BE 3/4" INTERIOR & 1" EXTERIOR.

29. ALL CONDUIT STUB OUTS AND SLEEVES SHALL HAVE PROTECTIVE BUSHINGS TO PREVENT CABLE DAMAGE. BUSHING TO BE INSTALLED PRIOR TO CABLE INSTALLATION. CUTTING BUSHING AND INSTALLING AFTER CABLE IS INSTALLED WILL NOT BE ACCEPTED.

DRAWING INDEX

Table with 2 columns: SHEET, DESCRIPTION. Rows include E0.00 ELECTRICAL SYMBOLS, LEGENDS & GENERAL NOTES, E0.01 ELECTRICAL SPECIFICATIONS, E1.01 ELECTRICAL SITE PLAN, E5.01 SINGLE LINE DIAGRAM & DETAILS.

DIAGRAMMATIC NOTE

DRAWINGS ARE DIAGRAMMATIC AND DO NOT INDICATE DETAILED CONDUIT ROUTING OR LENGTHS REQUIRED FOR COMPLETE INSTALLATION. ROUTING OF RACEWAYS SHALL BE AT THE OPTION OF THE CONTRACTOR BUT SHALL BE IN STRICT COMPLIANCE WITH STRUCTURAL REQUIREMENTS, CONTRACT DOCUMENTS AND SPECS UNLESS OTHERWISE NOTED. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES. DO NOT SCALE THE ELECTRICAL DRAWINGS FOR LOCATIONS OF ANY ELECTRICAL, ARCHITECTURAL, STRUCTURAL AND/OR MECHANICAL ITEMS OR FEATURES. REFER TO ARCHITECTURAL AND STRUCTURAL CONTRACT DOCUMENTS FOR FEATURES. REFER TO ARCHITECTURAL AND STRUCTURAL CONTRACT DOCUMENTS FOR DIMENSIONS.

DEVICE LOCATIONS NOTE

THE LOCATION OF ALL ELECTRICAL DEVICES AND EQUIPMENT SHALL BE COORDINATED WITH THE ARCHITECTURAL ELEVATIONS, DETAILS, OR SECTIONS PRIOR TO INSTALLATION. ALL ELECTRICAL DEVICES AND EQUIPMENT SHALL BE RECESSED IN WALLS UNLESS OTHERWISE NOTED. OUTLETS NOT INDICATED ON ARCHITECTURAL ELEVATIONS SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO ROUGH-IN, UNLESS OTHERWISE NOTED. ELECTRICAL DEVICES SHALL BE MOUNTED PER ACCESSIBLE DEVICE MOUNTING HEIGHT DETAIL.

COORDINATE WITH OTHER TRADES AS TO THE EXACT LOCATION OF THEIR RESPECTIVE EQUIPMENT SUPPLY POWER AND MAKE CONNECTION TO MOTORS AND EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS AS INDICATED ON THE SINGLE LINE DIAGRAM, ELECTRICAL DRAWINGS, AND DRAWINGS OF OTHER TRADES. REVIEW THE DRAWINGS OF OTHER TRADES FOR CONTROL DIAGRAMS, SIZE AND LOCATION OF EQUIPMENT, DISCONNECT SWITCHES, STARTERS, WIRING, CONTROLS, AND CONDUIT FOR MECHANICAL AND PLUMBING OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING MANUFACTURER'S SHOP DRAWINGS PRIOR TO ROUGHING IN ALL CONDUIT TO THIS EQUIPMENT.

UTILITY PENETRATIONS NOTE

UTILITY PENETRATIONS OF ANY KIND IN FIRE AND SMOKE PARTITIONS AND CEILING ASSEMBLIES SHALL BE FIRESTOPPED AND SEALED WITH AN APPROVED UL LISTED SYSTEM OR MATERIAL.

STEEL ELECTRICAL OUTLET BOXES WHICH DO NOT EXCEED 16 SQUARE INCHES IN AREA, NEED NOT BE PROTECTED IN ONE-HOUR OR TWO-HOUR FIRE RATED WALLS, PARTITIONS, CEILING, OR AREA SEPARATION UNLESS THEY:

1. OCCUR ON OPPOSITE SIDES OF THE WALL WITHIN 24 INCH HORIZONTAL DISTANCE OF ONE ANOTHER IN THIS CASE, ONLY ONE OUTLET BOX NEEDS TO BE PROTECTED BY AN APPROVED FIRESTOP MATERIAL OR DETAIL TO CORRECT THIS CONDITION.

2. OCCUR IN COMBINATION WITH OUTLET BOXES OF ANY SIZE SUCH THAT THE AGGREGATE AREA OF UNPROTECTED OUTLET BOXES EXCEEDS 100 SQUARE INCHES IN ANY 100 SQUARE FEET OF WALL AREA IN THIS CASE, ONLY A SUFFICIENT NUMBER OF OUTLET BOXES NEED TO BE PROTECTED BY AN APPROVED MATERIAL OR DETAIL TO DECREASE THE AGGREGATE AREA OF UNPROTECTED UTILITY BOXES TO LESS THAN 100 SQUARE FEET OF WALL.

STEEL ELECTRICAL OUTLET BOXES WHICH EXCEED 16 SQUARE INCHES IN AREA, AND ALL OTHER STEEL UTILITY OUTLET BOXES REGARDLESS OF SIZE, SHALL BE PROTECTED BY AN APPROVED FIRESTOP MATERIAL AS LISTED OR EQUAL.

FIRESTOPPING MATERIAL:

MPP-1 MOLDABLE PUTTY PADS

3M CONTRACTOR PRODUCTS

MINNEAPOLIS, MN

FSP FIRESTOP PUTTY PADS

HEVI-DUTY NELSON PRODUCTS

TULSA, OK

STEEL UTILITY BOXES WHICH EXCEED 100 SQUARE INCHES IN AREA SHALL BE PROTECTED BY ENCASEMENT.

UTILITY AND ELECTRICAL OUTLETS OR BOXES SHALL BE SECURELY FASTENED TO THE STUD FRAMING OF THE WALL, PARTITION OR CEILING ASSEMBLY. THE OPENING IN THE GYPSUM BOARD FACING SHALL BE CUT SO THAT THE CLEARANCE BETWEEN THE BOX AND THE GYPSUM BOARD DOES NOT EXCEED 1/8 INCH IN SMOKE WALLS OR PARTITIONS, THE 1/8 INCH CLEARANCE SHALL BE FILLED WITH AN APPROVED FIRE-RATED SEALANT.

APPLICABLE CODES

LIST OF APPLICABLE CODES

- 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

APPLICABLE STANDARDS
FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 36 AND CFC CHAPTER 80.

EQUIPMENT ANCHORAGE NOTES

MEP COMPONENT ANCHORAGE NOTES:

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 AND 30:

- 1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRIC, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

- 1. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
2. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUND PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC, SECTION 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., HCA OPM FOR2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOB SITE PRIOR TO START OF AND DURING THE HANGING AND BRACING OF DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E)

MP [] MD [] PP [] E [] OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES & DETAILS.

MP [] MD [] PP [] E [] OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) #

UL LISTINGS NOTE

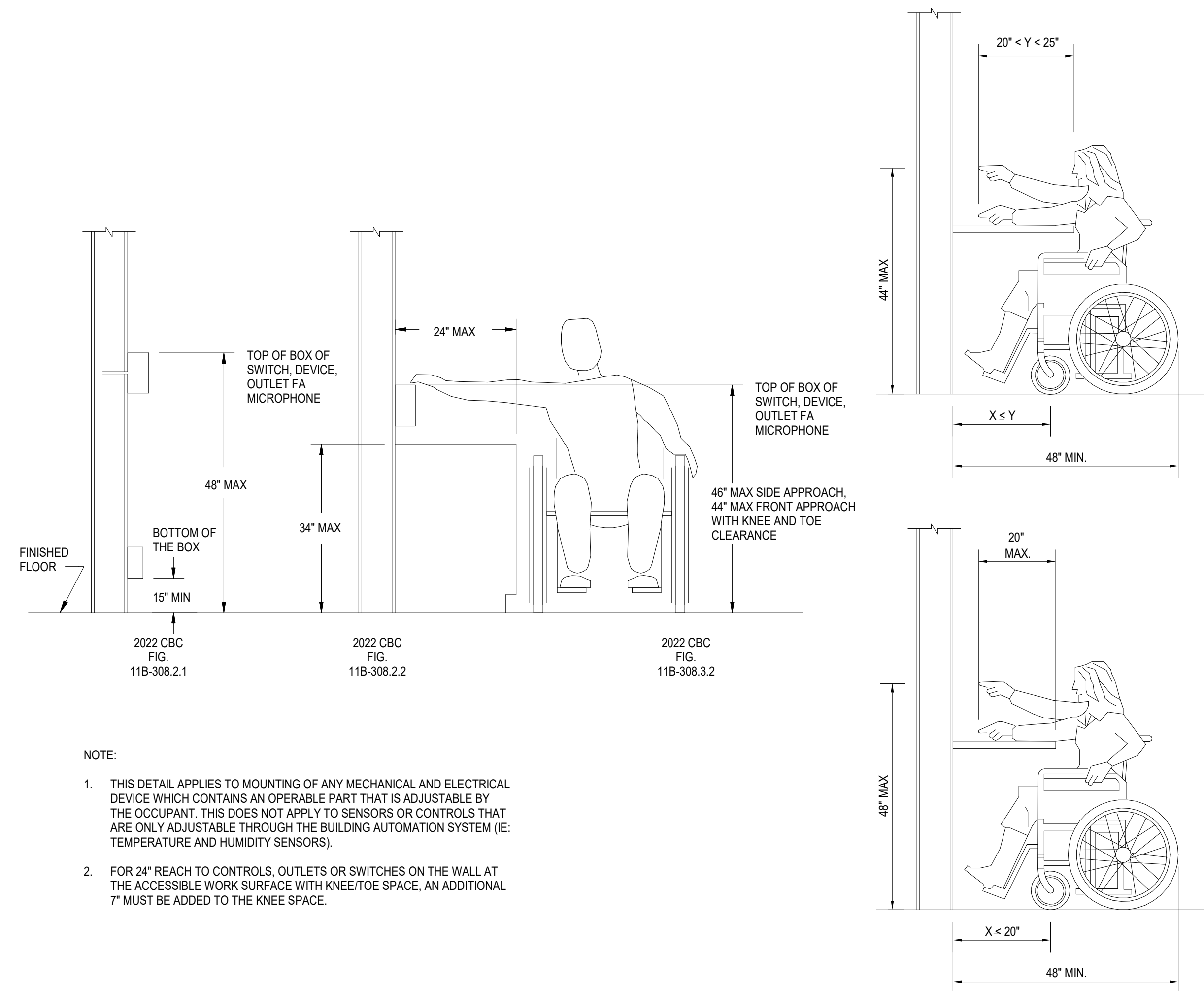
ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BE LISTED BY UNDERWRITER'S LABORATORIES (UL) AND BEAR THEIR LABEL OR LISTED AND CERTIFIED BY A NATIONALLY RECOGNIZED TESTING AUTHORITY.

ALL EQUIPMENT/DEVICES INSTALLED RECESSED IN FIRE RATED CEILING OR WALLS SHALL BE ENCLOSED WITH AN APPROVED UL LISTED ENCLOSURE CARRYING THE SAME FIRE RATING AS THE CEILING OR WALL.

STRUCTURAL NOTE

UNLESS SPECIFICALLY SHOWN ON THESE PLANS, STRUCTURAL MEMBERS SHALL NOT BE CUT, DRILLED, OR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.

MOUNTING OVER OBSTRUCTION DETAILS



NOTE:

- 1. THIS DETAIL APPLIES TO MOUNTING OF ANY MECHANICAL AND ELECTRICAL DEVICE WHICH CONTAINS AN OPERABLE PART THAT IS ADJUSTABLE BY THE OCCUPANT. THIS DOES NOT APPLY TO SENSORS OR CONTROLS THAT ARE ONLY ADJUSTABLE THROUGH THE BUILDING AUTOMATION SYSTEM (IE: TEMPERATURE AND HUMIDITY SENSORS).
2. FOR 24\"/>

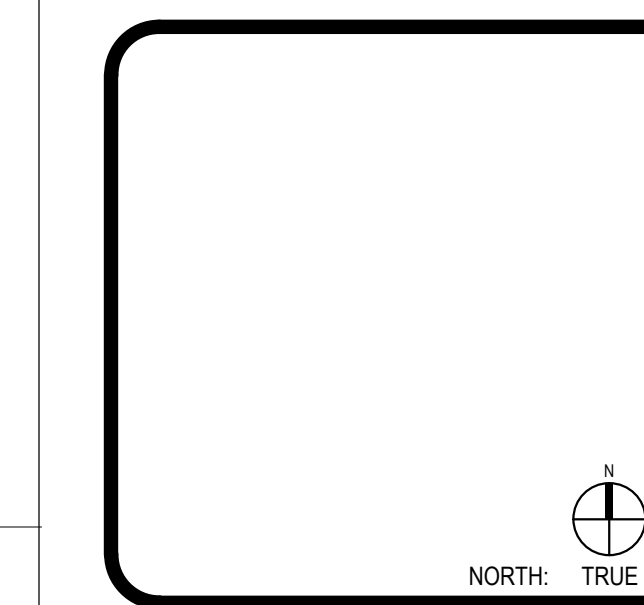


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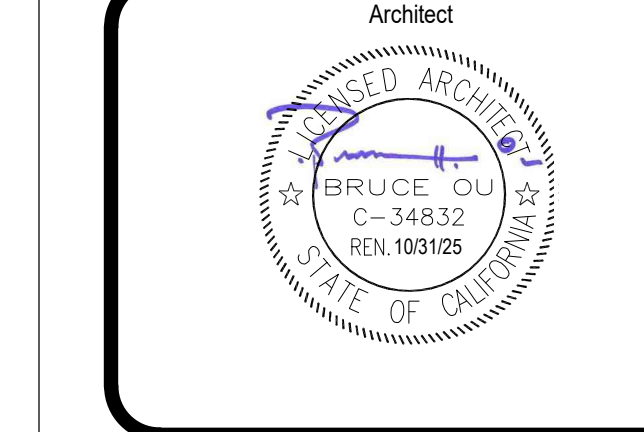
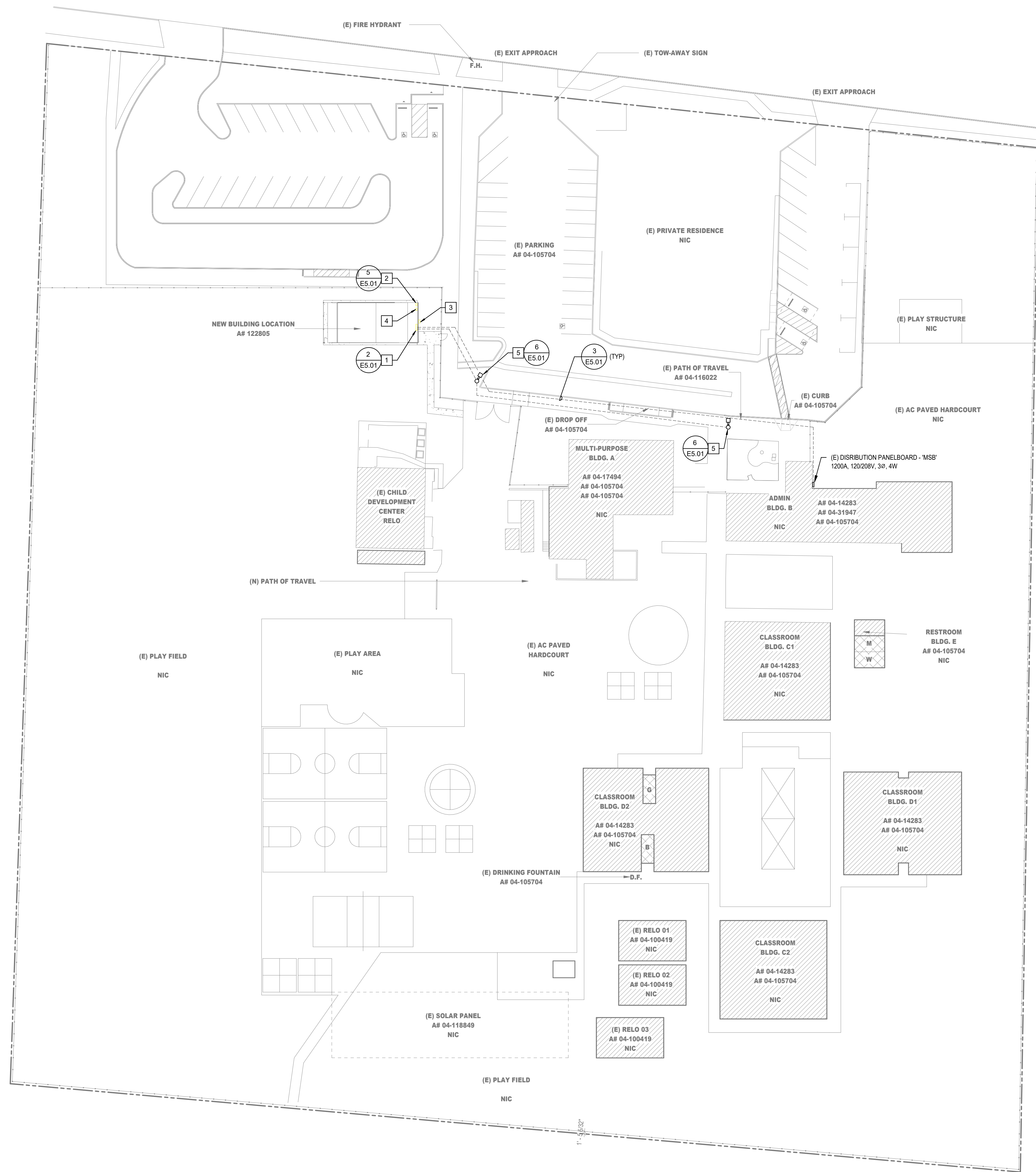


Table with columns: No., Description, Date. Includes CLIENT TUSD, DATE xxxx, PROJECT NUMBER 220513.

ELECTRICAL SYMBOLS, LEGENDS & GENERAL NOTES

E0.00



GENERAL NOTES

1. ELECTRICAL ENGINEERING FOR THIS PROJECT IS BASED ON EXISTING DRAWINGS OF THE ELECTRICAL SYSTEM. IN CASE OF ANY DISCREPANCIES WITH EXISTING FIELD CONDITIONS, ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT DIFFERENCES AND NOTIFY THE ELECTRICAL ENGINEER FOR POSSIBLE REVISION TO THESE DOCUMENTS.
2. COORDINATE ROUTING FOR ALL UNDERGROUND ELECTRICAL BRANCH CIRCUITS AND FEEDERS WITH OTHER DISCIPLINES PRIOR TO TRENCHING.
3. UNLESS NOTED OTHERWISE, ALL UNDERGROUND CONDUIT SHOWN ON THIS PLAN TO BE MINIMUM 1" IN SIZE.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES CAUSED BY INSTALLATION OF NEW WORK.
5. ALL PANELBOARDS ARE PRE-INSTALLED BY PORTABLE MANUFACTURER. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS AND QUANTITY PRIOR TO ROUGH-IN.
6. PATHWAY IS APPROXIMATE. CONTRACTOR SHALL VERIFY PROPER PATHWAY PRIOR TO INSTALLATION.
7. REFER TO SINGLE LINE DIAGRAM ON 4/E5.01 FOR FEEDER SIZING.

KEY NOTES

- 1 100A, 120/208V, 3PH, 4W PANEL TO BE PROVIDED WITH PORTABLE BUILDING. PANEL TO BE FED AS SHOWN ON SINGLE LINE DIAGRAM ON SHEET E5.01. CONTRACTOR TO FIELD VERIFY CIRCUITS ARE OPEN TO USE.
- 2 PROVIDE NEW LIGHTING INVERTER AT LOCATION SHOWN (MYERS LUMINATOR LVM-250-G). CONTRACTOR TO CONNECT NEW PORTABLE WALLPACK LIGHT FIXTURES AND NEW POLE LIGHT FIXTURE TO NEW INVERTER. PROVIDE 120V POWER TO NEW INVERTER FROM PORTABLE PANEL.
- 3 PROVIDE NEW LED WALL PACK LIGHTING AT LOCATION SHOWN (ELUCENT WALL PACK WPS-4040-120-G4). CONTRACTOR TO CIRCUIT NEW WALLPACKS INTO NEW MYERS INVERTER. CONTRACTOR TO VERIFY EXACT LOCATION OF LIGHTING.
- 4 PROVIDE 365-DAYS ASTRONOMICAL TIME CLOCK SWITCH - NEMA 3R WITH PHOTOCCELL SENSOR AT ROOF LEVEL FACING NORTH.
- 5 INSTALL NEW POLE FIXTURE MOUNTED @ 15'-0". LITHONIA - DSX2 LED P2 40X 70CRI TFTM MVOLT SPA PIR DBDX WITH POLE 'SSS XXFT 4C MOUNTING DBDX'. ROUTE CIRCUIT THROUGH MYERS INVERTER LOCATED IN BLDG. E.

Not for permitting or construction



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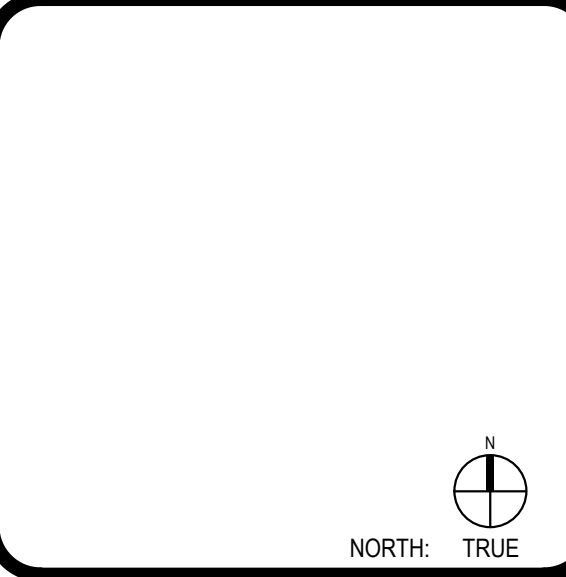
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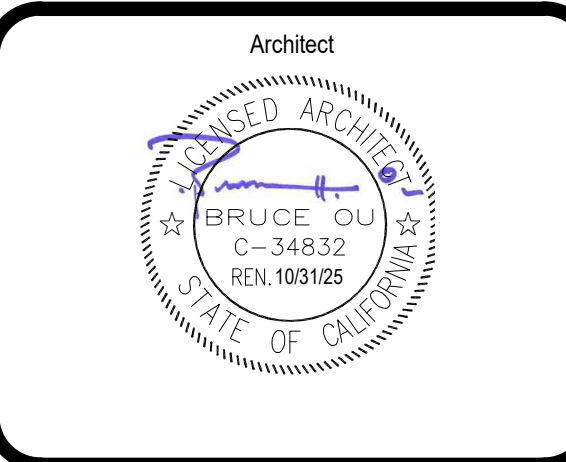
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PROJECT ADDRESS:
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DSA FILE NO.: XXXX DSA FILE NO.: XXXX



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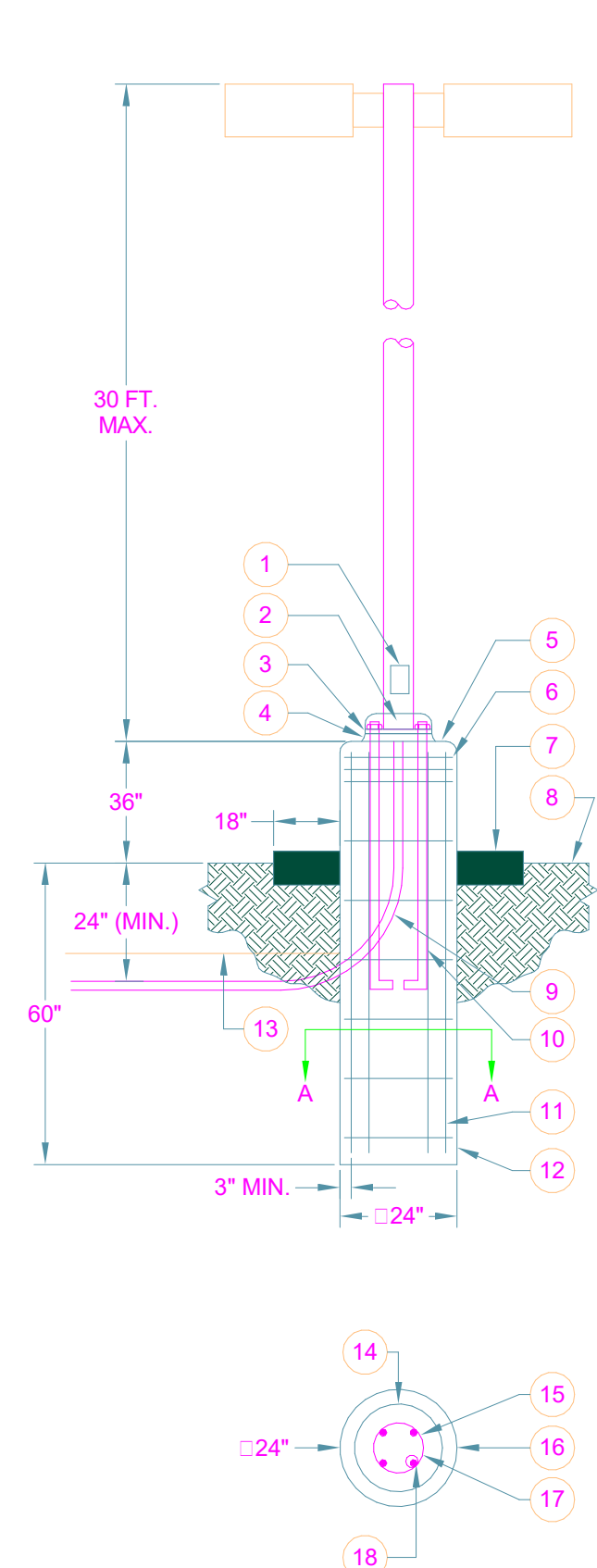


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No.	Description

ELECTRICAL SITE PLAN

E1.01

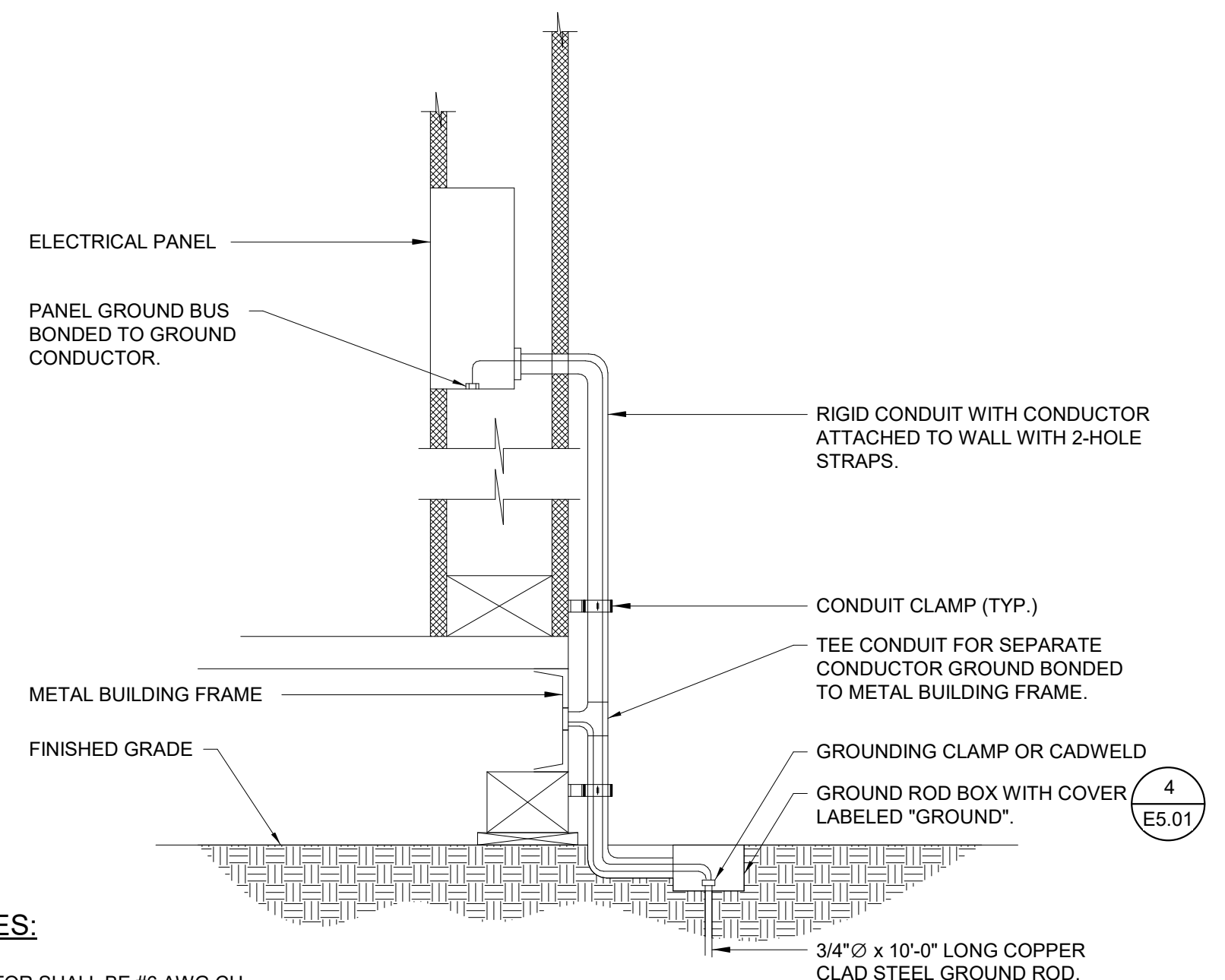
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- HANDHOLE IN BASE OF POLE COMPLETE WITH GASKETED COVER.
- BOND GROUND WIRE/CONDUIT TO POLE.
- POLE BASE WITH WASHERS AND NUTS ON TOP AND BOTTOM AND FULL BASE COVER.
- GROUT AROUND POLE BASE AFTER LEVELING.
- RAISED CONCRETE BASE WITH EASED TOP EDGE 1/2" RADIUS CORNERS. SACK AND PATCH SURFACE TO ACHIEVE A SMOOTH UNIFORM FINISH.
- PLACE THREE #3 TIES IN TOP 5" BASE.
- MOW STRIP SHALL BE FLUSH WITH SIDEWALK.
- FINISHED GRADE.
- THREE 3/4" CONDUITS - ONE FOR LIGHTING, ONE FOR POWER & ONE FOR SIGNAL.
- TYPICAL OF FOUR 1" x 48" GALVANIZED THREADED RODS WITH NUTS DOUBLED. STEEL GRADE FOR ANCHOR BOLTS SHALL BE F1554 GRADE 36 STEEL (YIELD STRESS 36KSI).
- FOUR #4 VERTICAL REBAR WITH #4 TIES ON 9" CENTER TO FORM CAGE.
- CONCRETE BASE. CONCRETE TO BE MIN. 3000 PSI. IN 28 DAYS. POURED IN NATURALLY COMPACTED EARTH HOLE FREE OF LOOSE DIRT OR DEBRIS.
- PLASTIC WARNING TAPE MARKED "ELECTRICAL" 6" ABOVE CONDUIT.
- 18" DIAMETER ROUND STEEL CAGE.
- 9.5" BOLT CIRCLE.
- CONCRETE BASE.
- #4 VERTICAL REBAR, TYPICAL OF FOUR FOR EACH STEEL CAGE.
- BOLT WITH #3 TIE, TYP.

NOTE: REFER TO FIXTURE SCHEDULE FOR POLE AND FIXTURE TYPES.

6 LIGHTING POLE MOUNTED DETAIL
NOT TO SCALE

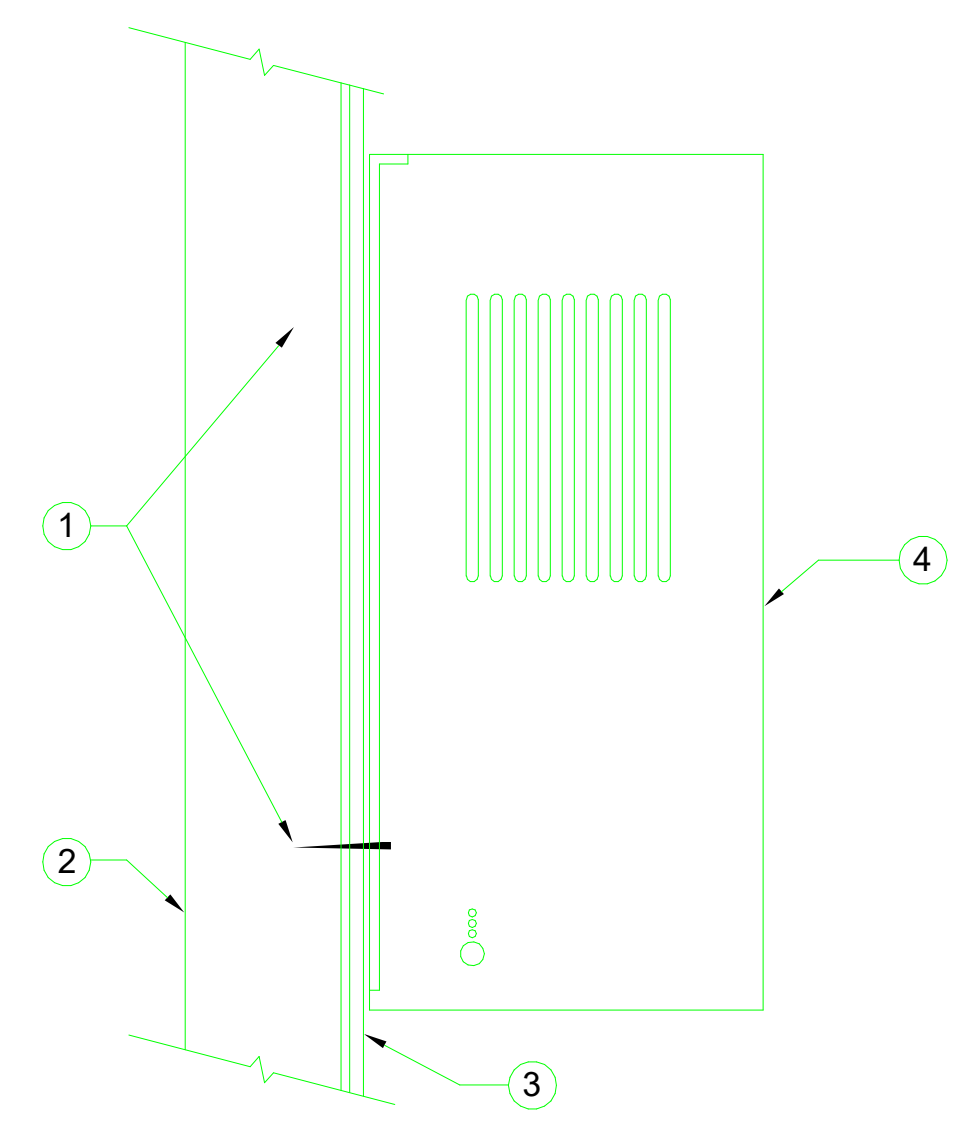


DETAIL NOTES:

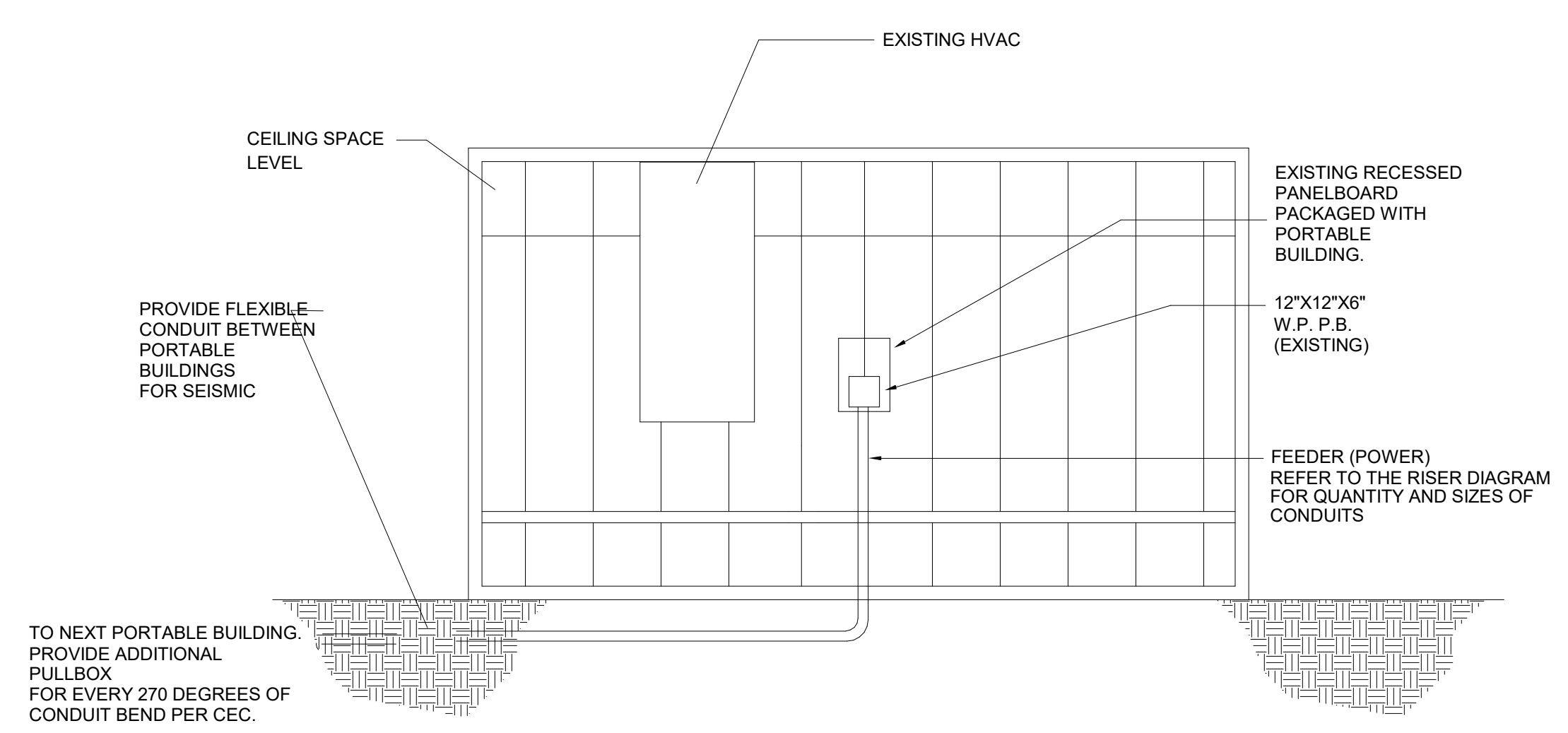
- SIZE OF CONDUCTOR SHALL BE #6 AWG CU.
- BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL BUILDING FRAME (CEC. 250-81). IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10 FT. INTO THE SOIL IF AVAILABLE (CEC. 250-81 & 250.83).
- ALL MODULES OF METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDINGS).
- CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN, SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (CEC. 250-84).
- GROUND TEST SHALL BE WITNESSED BY PROJECT INSPECTOR, AND RECORDED FOR OWNER MANUAL.

1 PORTABLE BUILDING GROUNDING DETAIL
NOT TO SCALE

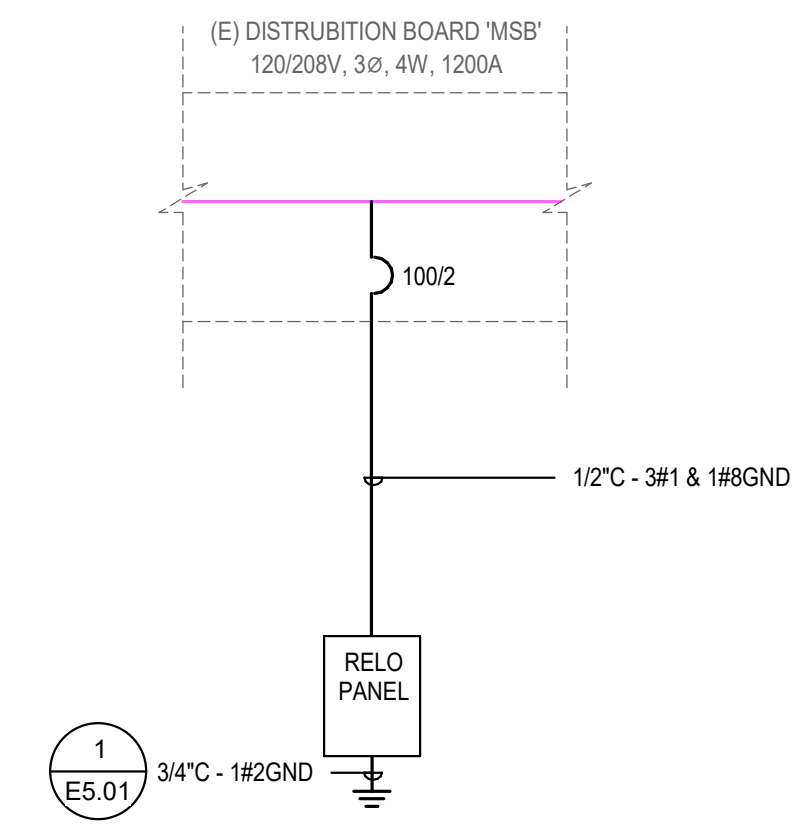
- (4) 1/4" PAN-HEAD TEK SCREWS X MIN. 2 1/2" EMBEDMENT INTO STUDS.
- METAL WALL STUDS AT 16" O.C.
- WALL FINISH
- EMERGENCY LIGHTING INVERTER, IOTA #HS-375-LED, CEC COMPLIANT, 90 MINUTES RUNTIME 23.0"W x 8.2"D x 17.9"H 114 LBS.



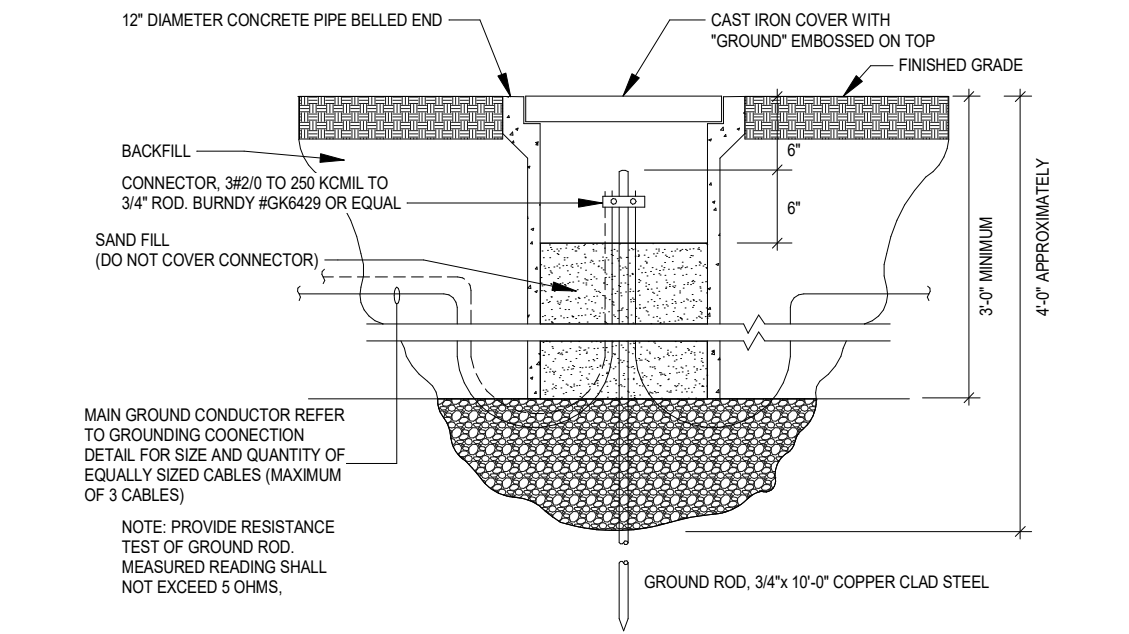
5 LIGHTING INVERTER WALL MOUNTING DETAIL
NOT TO SCALE



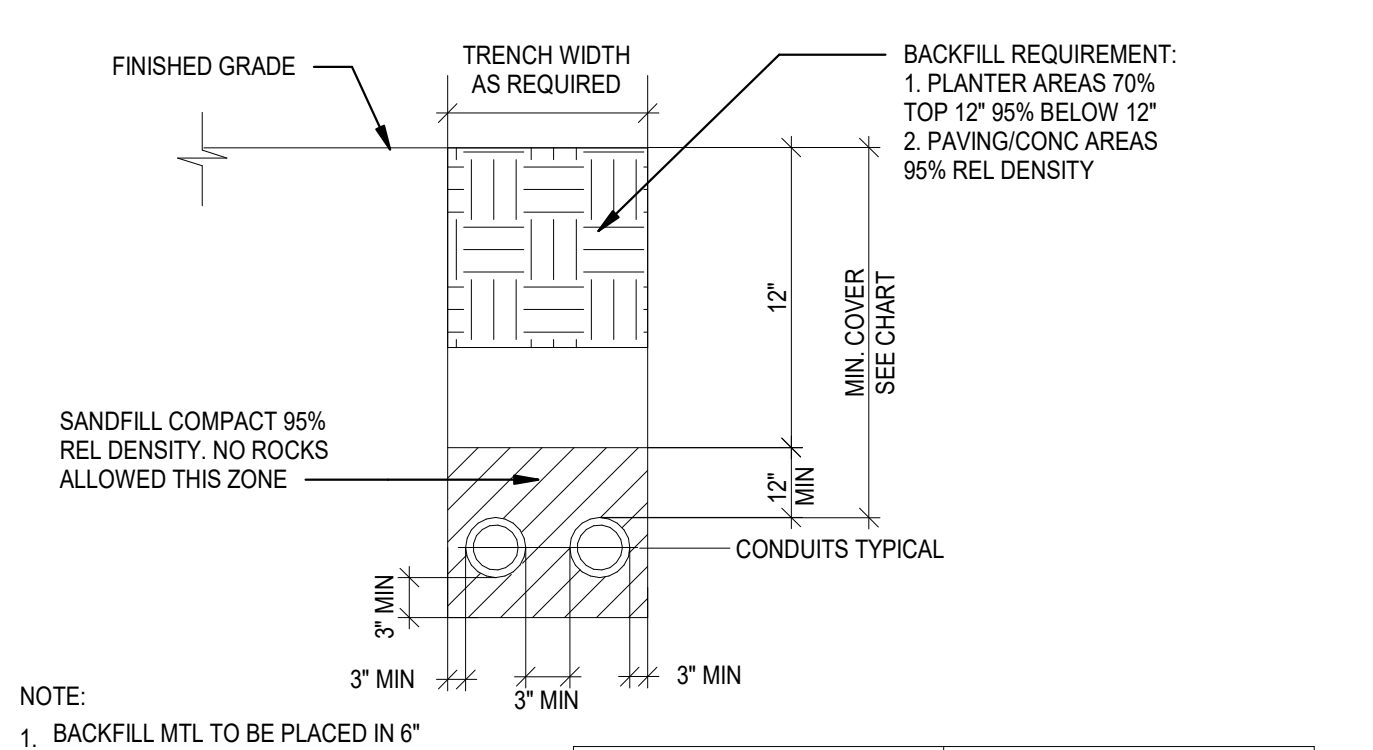
2 PORTABLE BUILDING POWER CONNECTION DETAIL
NOT TO SCALE



7 SINGLE LINE DIAGRAM
NOT TO SCALE



4 GROUND WELL ASSEMBLY
NOT TO SCALE



NOTE:

- BACKFILL MTL TO BE PLACED IN 6" LAYERS OF PROPERLY MOISTENED MTL.
- SURFACING TO BE TRIMMED EXTRA WIDTH AFTER TRENCH IS BACKFILLED.
- POWER & LOW VOLTAGE/SIGNAL CONDUITS SHALL BE SEPARATED BY MIN. 12"
- WHEN TRENCHING NEAR FOOTING, REFER TO 2/50.1 & 12/5.01 FOR MORE INFORMATION.

POWER	24" MIN COVER UNO
TEL/DATA/V/F/A/SIGNAL	24" MIN COVER UNO

3 TRENCH DETAIL
NOT TO SCALE

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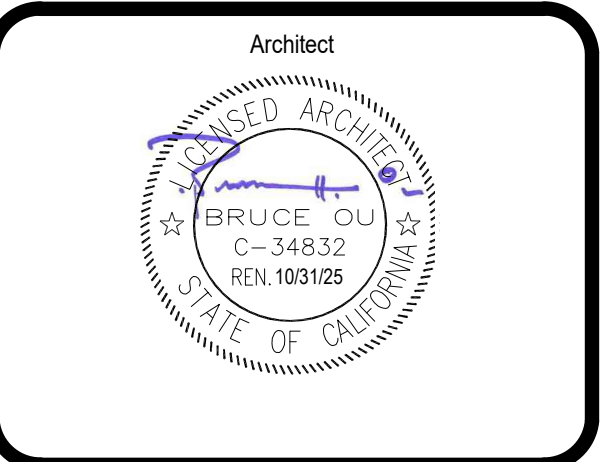
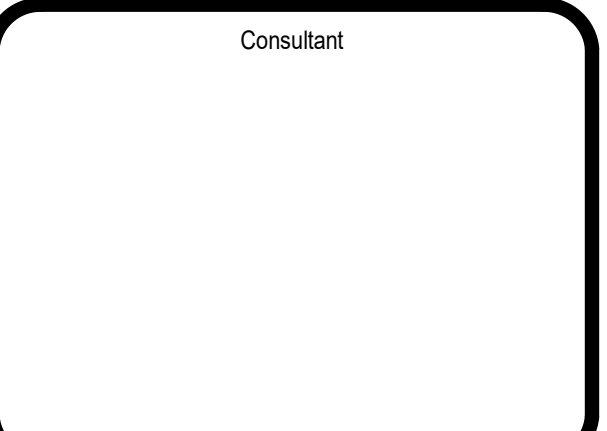
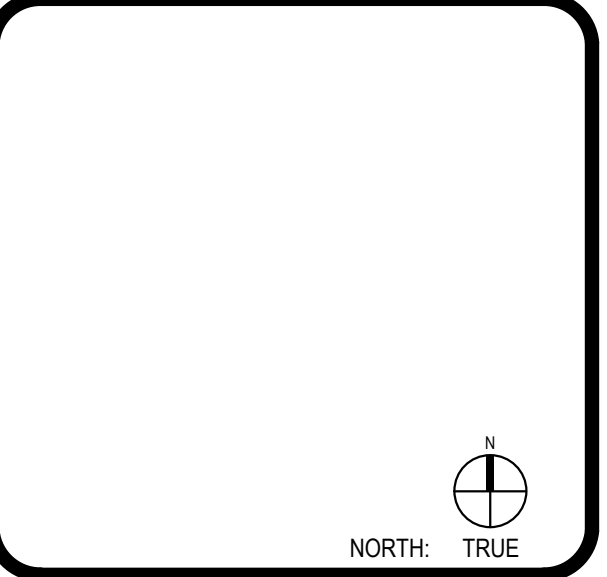


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SINGLE LINE DIAGRAM & DETAILS

E5.01

TECHNOLOGY PLAN GENERAL NOTES

- 1. ALL 120V POWER REQUIRED FOR THE FUNCTIONALITY OF THE TELECOMMUNICATION, NETWORK, AND VIDEO EQUIPMENT SHALL BE A DEDICATED CIRCUIT AND ON EMERGENCY POWER WHEN AVAILABLE. CONTRACTOR SHALL COORDINATE AND INSTALL ALL 120V POWER REQUIREMENTS AND LOCATIONS AS REQUIRED FOR ALL EQUIPMENT (TYPICAL).

INTERCOM SYSTEM'S GENERAL NOTES

- 1. ALL 120V POWER REQUIRED FOR THE FUNCTIONALITY OF EACH SYSTEM SHALL BE A DEDICATED CIRCUIT AND ON EMERGENCY POWER WHEN AVAILABLE. THE INSTALLING CONTRACTOR OF EACH SYSTEM SHALL BE RESPONSIBLE FOR PROVIDING THEIR OWN 120V POWER REQUIREMENTS FOR ALL REMOTE POWER SUPPLIES.

TECHNOLOGY SYMBOL LIST

Table with 3 columns: SYMBOL, DESCRIPTION, NOTE. Includes symbols for WAP, information outlet, public address speaker, underground pull boxes, conduits, and fire rated pathway sleeve system.

DRAWING INDEX

Table with 2 columns: SHEET, DESCRIPTION. Lists sheets T0.00 through T6.01 and their corresponding descriptions like 'TECHNOLOGY COVER SHEET' and 'TECHNOLOGY ENLARGED SITE PLAN'.

TECHNOLOGY ABBREVIATION KEY

Table with 2 columns: ABBR, DESCRIPTION. Lists abbreviations for floor types (AFF, BFC), conduit (C), construction manager (C.M.), electrical contractor (E.C.), etc.

GENERAL NOTES:

- 1. ALL SYMBOLS LISTED ABOVE ARE FOR REFERENCE ONLY. REFER TO PLANS AND LINE TYPE KEY FOR NEW, EXISTING TO REMAIN AND TO BE REMOVED ITEMS FOR ADDITIONAL INFORMATION. REFER TO GENERAL TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR FULL DETAILS.

TECHNOLOGY SYMBOL LIST NOTES:

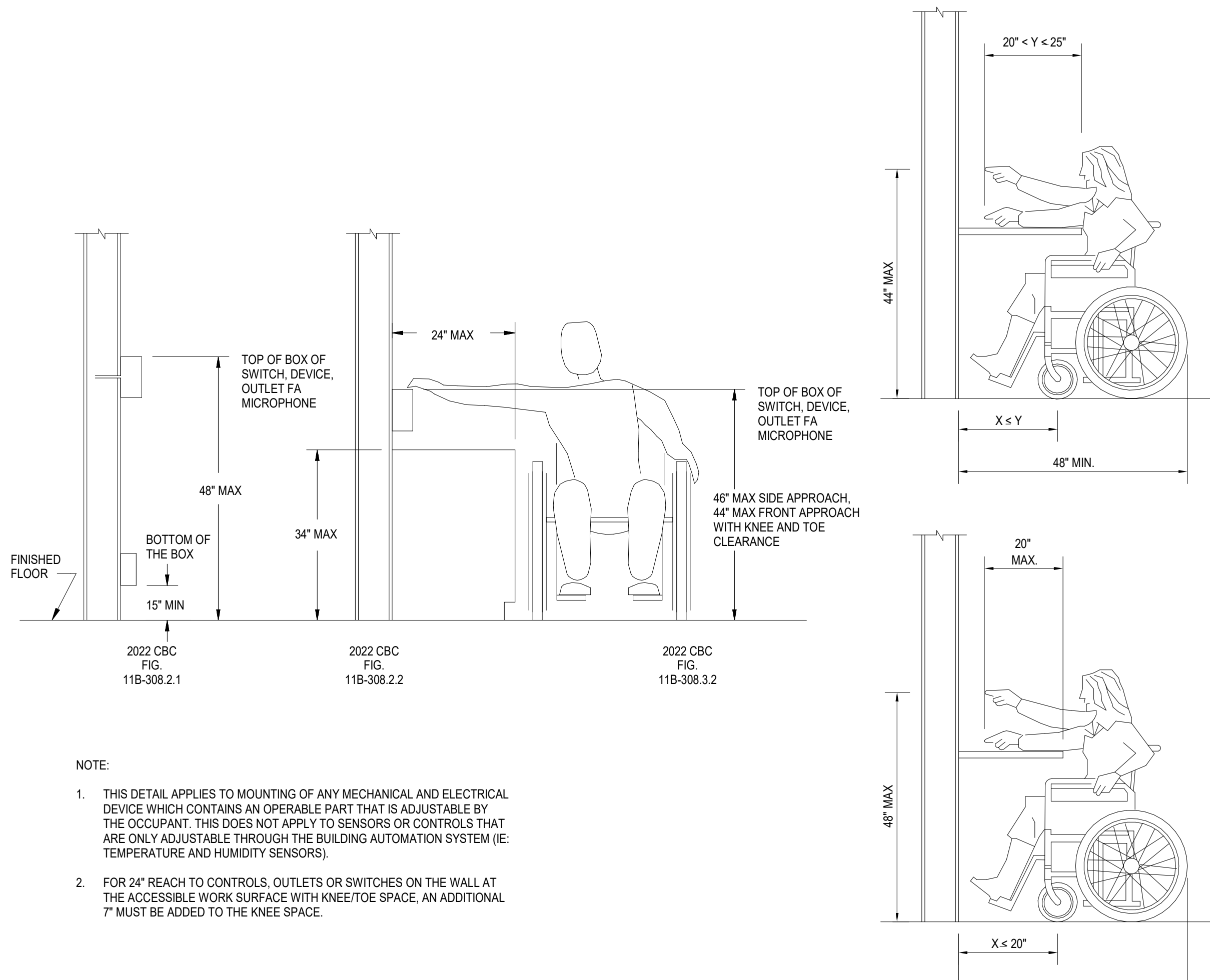
- 1. "IF" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION. SYMBOL, SUBSCRIPT INDICATES DEVICE TYPE.

AUDIO & VIDEO GENERAL NOTES

- 1. ALL 120V POWER REQUIRED FOR THE FUNCTIONALITY OF EACH SYSTEM SHALL BE A DEDICATED CIRCUIT AND ON EMERGENCY POWER WHEN AVAILABLE. THE INSTALLING CONTRACTOR OF EACH SYSTEM SHALL BE RESPONSIBLE FOR PROVIDING THEIR OWN 120V POWER REQUIREMENTS FOR ALL REMOTE POWER SUPPLIES.

TECHNOLOGY SCOPE OF WORK

- 1. PROVIDE COMPLETE TECHNOLOGY SYSTEMS EQUIPMENT WITH INSTALLATION AS REQUIRED FOR A COMPLETE WORKING SYSTEM PER DESIGN DRAWINGS AND SPECIFICATIONS FOR COMMUNICATIONS ROOM 109, AND OTHER SPACES REQUIRED.



- NOTE: 1. THIS DETAIL APPLIES TO MOUNTING OF ANY MECHANICAL AND ELECTRICAL DEVICE WHICH CONTAINS AN OPERABLE PART THAT IS ADJUSTABLE BY THE OCCUPANT.

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2022: 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR; 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR; 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR; 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR; 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR; 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR; 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR; 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR; 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR; 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR; TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

PARTIAL LIST OF APPLICABLE STANDARDS: NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED); 2016 EDITION NFPA 720 STANDARD FOR THE INSTALLATION OF CARBON MONOXIDE DETECTION AND WARNING EQUIPMENT; 2016 EDITION NFPA 80 STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES; 2016 EDITION UL 484 AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES; 2003 EDITION UL 521 STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS; 1999 EDITION UL 1971 STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED; 2002 EDITION (R2010) ICC 300 STANDARD FOR BLEACHERS, FOLDING AND TELESCOPING SEATING AND GRANDSTANDS; 2017 EDITION

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2022 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80. SEE CALIFORNIA BUILDING CODE, CHAPTER 35, FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.

Not for permitting or construction

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Tustin Unified School District logo.

North/True orientation indicator.

Consultant signature line.

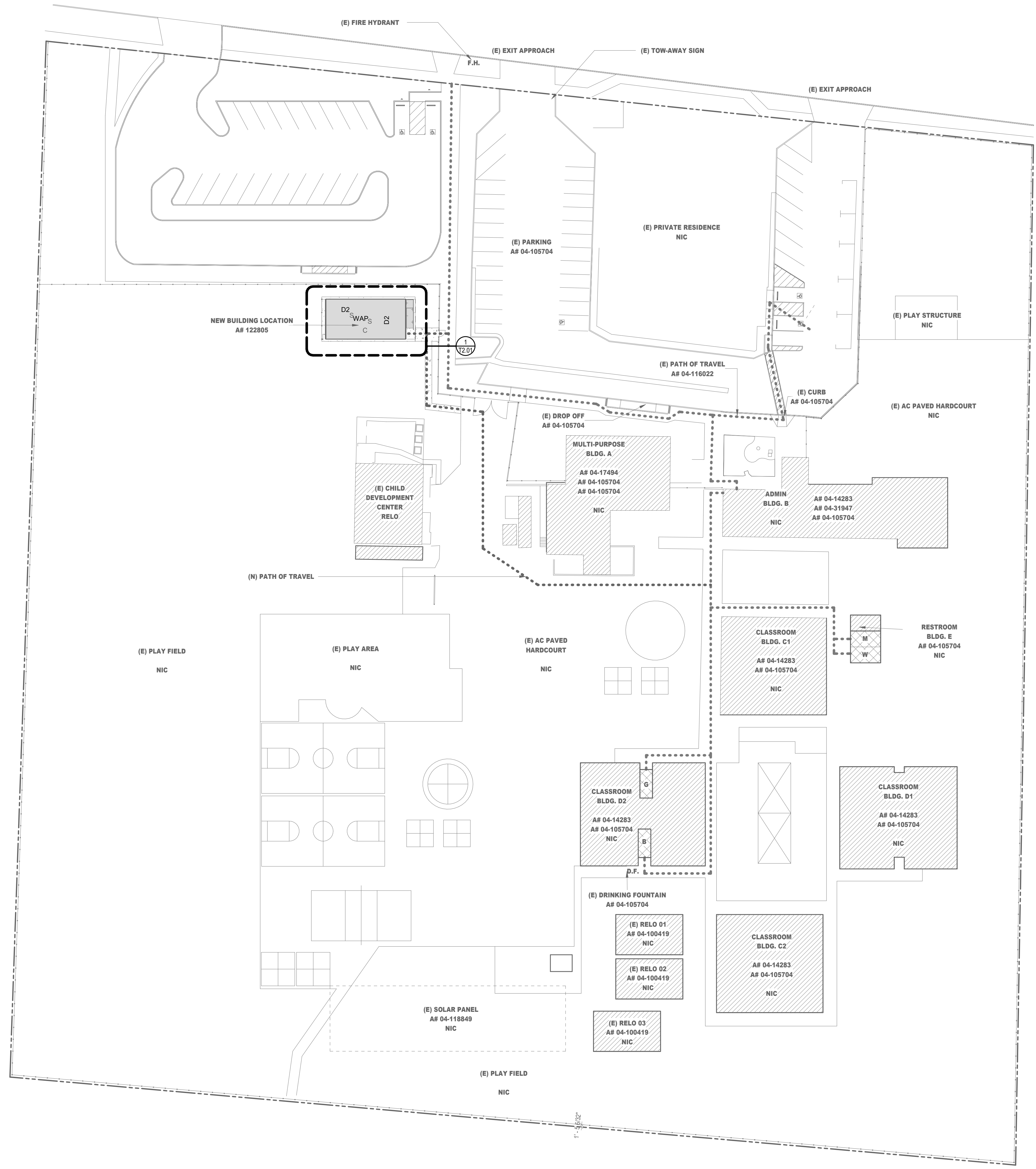
Architect seal for PBK Architects, Inc.

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TECHNOLOGY COVER SHEET

T0.00




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GENERAL NOTES

1. ALL COILED CABLING SHALL BE REINSTALLED, TESTED AND TERMINATED TO DEVICES.
2. NEW FIBER SHALL BE EXTENDED FROM EXISTING IDF TO THE NEW RELOCATED PORTABLE IDF CABINET.

SITE PLAN LEGEND

	(E) BUILDING, NOT IN SCOPE
	SCOPE OF WORK
	(N) RELOCATABLE BLDGS

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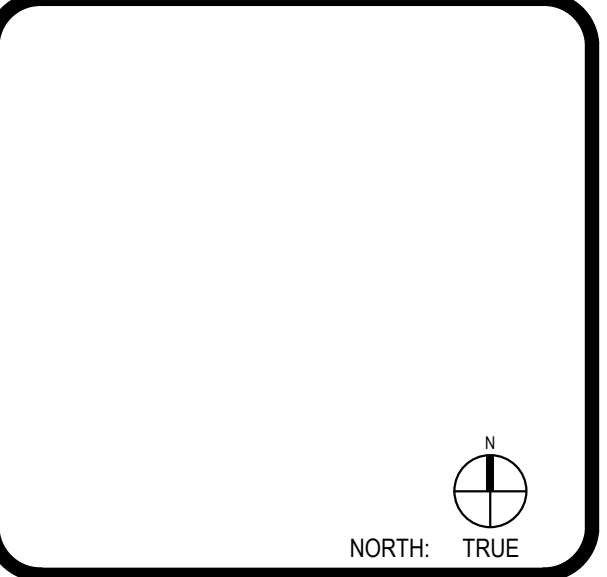
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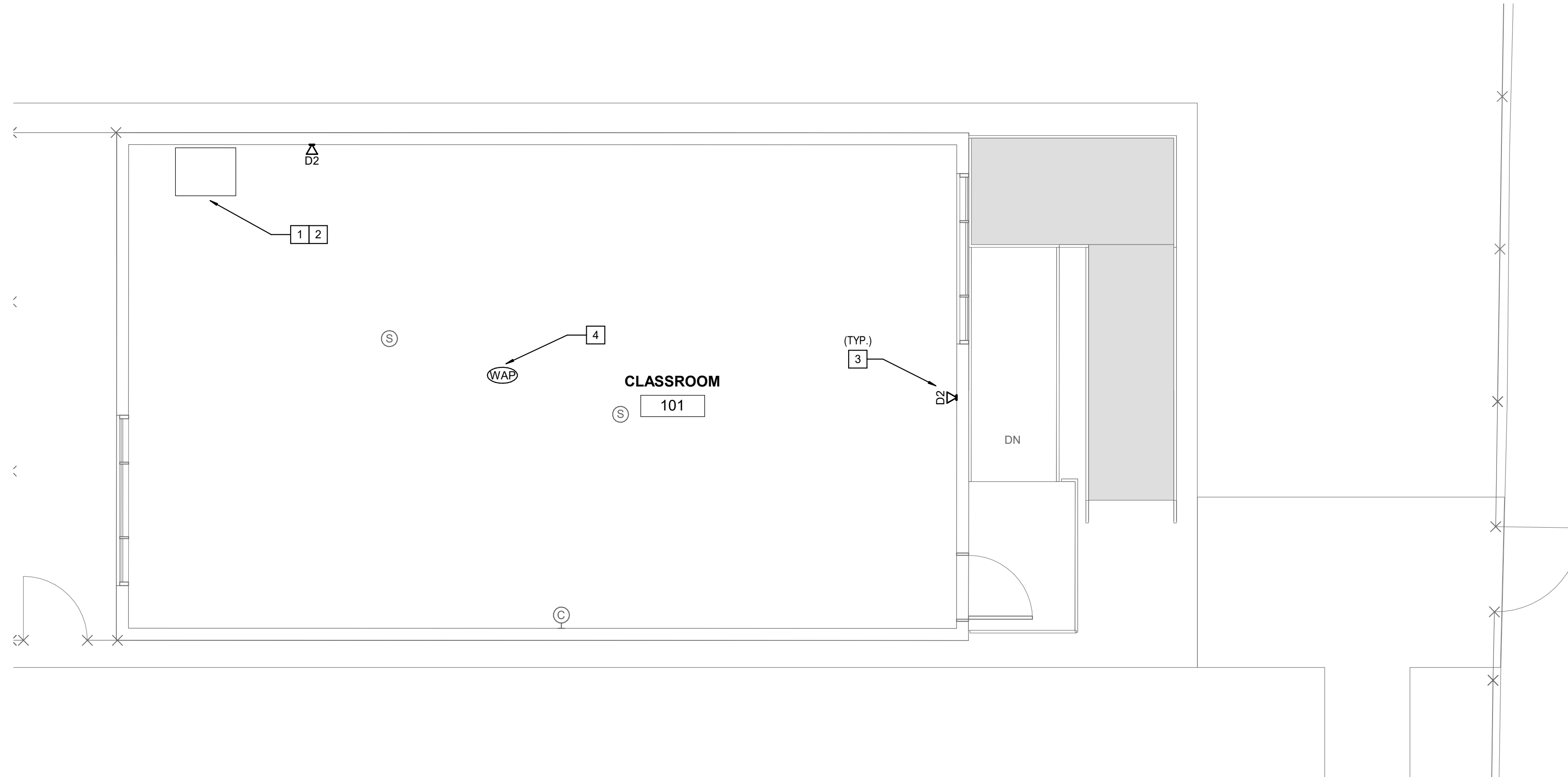


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TECHNOLOGY SITE PLAN



GENERAL NOTES

- 1. ALL COILED CABLING SHALL BE INSTALLED, TESTED AND TERMINATED TO DEVICES.
- 2. FOR ALL CABLING TO USE J-HOOKS ROUTING TO DESTINATIONS.
- 3. TECHNOLOGY EQUIPMENT SHALL BE MOUNTED TO ALLOW ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT.
- 4. FOR TECHNOLOGY RISERS SEE SHEET T5.01 FOR MORE INFORMATION
- 5. FOR TECHNOLOGY DETAILS SEE SHEET T6.01 FOR MOUNTING INFORMATION

KEY NOTES

- 1. APPROXIMATE LOCATION OF IDF CABINET.
- 2. CONNECT NEW 125M FIBER FROM EXISTING IDF TO NEW PORTABLE IDF CABINET.
- 3. WALL MOUNTED DATA OUTLET. PROVIDE AND INSTALL OUTLET IN A SS BACKBOX WITH A SINGLE-GANG PLASTER RING. INSTALL A (1) 1" EMT CONDUIT FROM BACKBOX UP TO ACCESSIBLE CEILING SPACE WITH CAT6A CABLES. THEN RUN CAT6A CABLES IN ACCESSIBLE CEILING SPACE USING J-HOOKS TO THE IDF CABINET SERVING THIS AREA. PROVIDE 4-PORT FACEPLATES AND RJ45 JACKS FOR DATA AND VOICE. PROVIDE REMOVABLE BLANK INSERTS FOR UNUSED PORTS. PROVIDE ALL TERMINATION FOR A COMPLETE WORKING SYSTEM.
- 4. WIRELESS ACCESS POINT, CEILING MOUNT, "OFCO". PROVIDE DATA OUTLET FOR WIRELESS ACCESS POINT. (2) CAT6A CABLES, 2-PORT FLENUM RATED SURFACE MOUNT BOX ABOVE ACCESSIBLE CEILING AS INDICATED ON DRAWINGS. USE J-HOOKS TO SUPPORT NEW CABLING ABOVE ACCESSIBLE CEILING SPACE. FOR INACCESSIBLE CEILING SPACES NEW CONDUITS SHALL BE PROVIDED ABOVE CEILING TO THE IDF CABINET SERVING THIS AREA. PROVIDE 10' SLACK CABLE COILS ABOVE CEILING AT OUTLET LOCATION FOR FUTURE RELOCATION.

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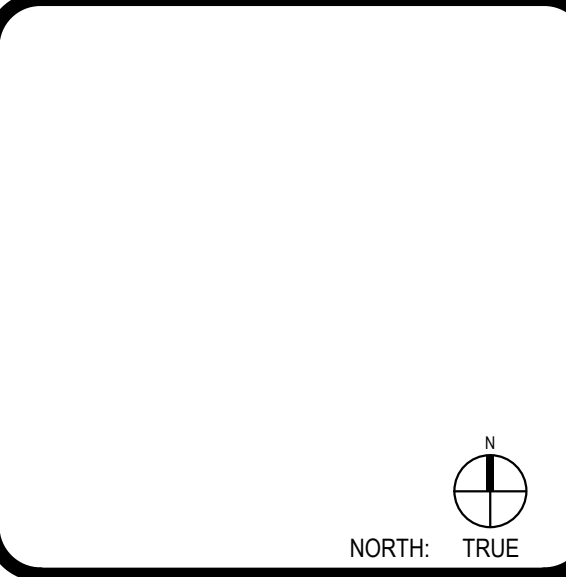
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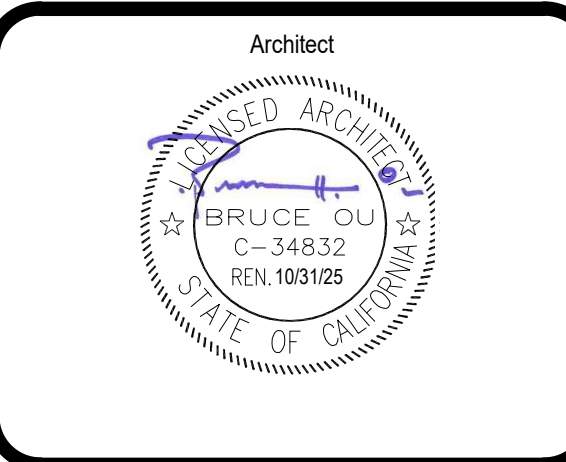
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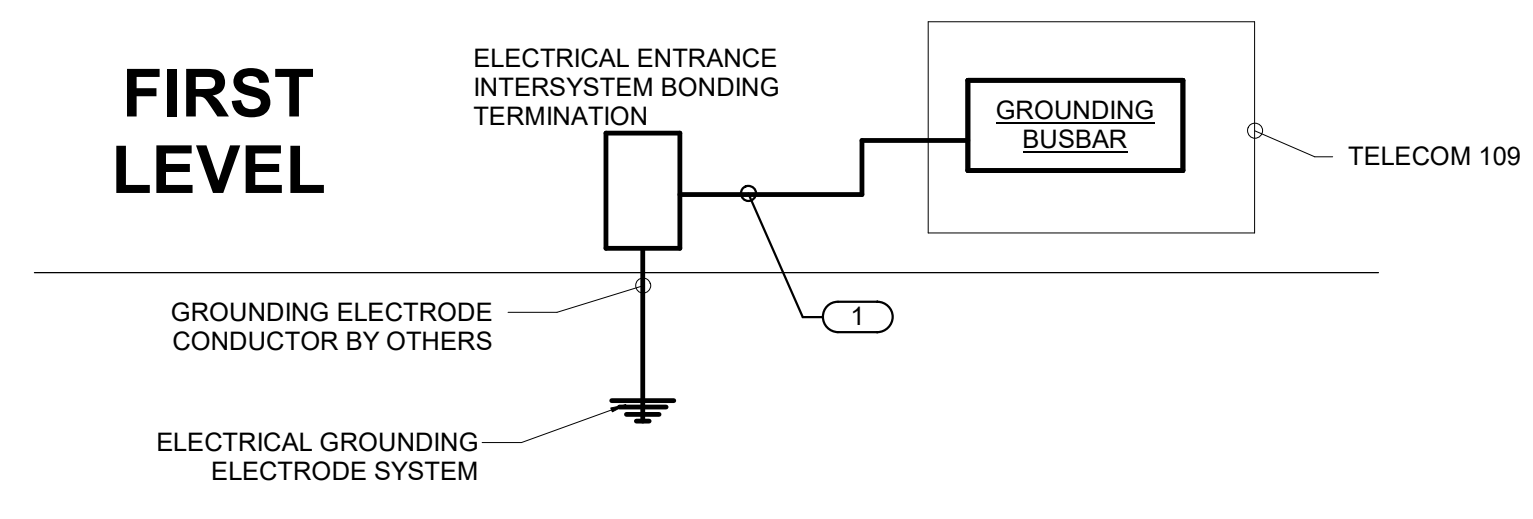
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TECHNOLOGY
 ENLARGED SITE PLAN

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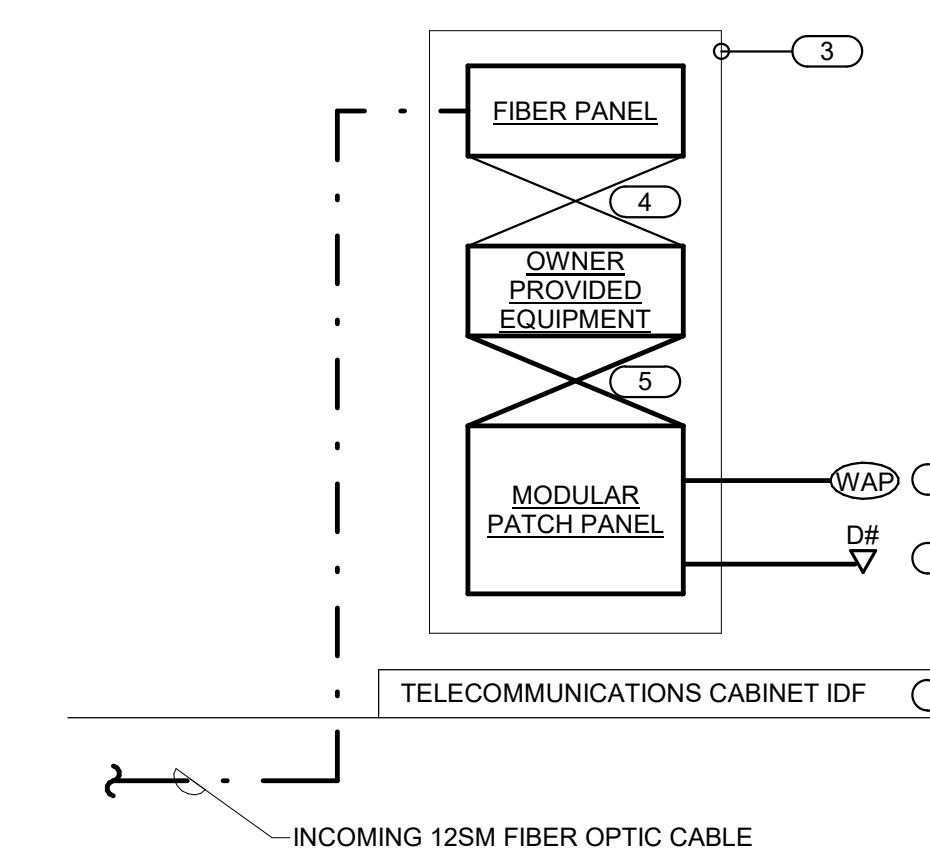


- NOTES:**
- THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CONDUCTOR TYPE. ALL CONNECTIONS AND SYSTEM DEVICES SHOWN ARE TYPICAL AND NOT REPRESENTATIVE OF ACTUAL PROJECT QUANTITIES. REFER TO FLOOR PLANS AND ENLARGED FLOOR PLANS FOR ACTUAL QUANTITIES AND LOCATIONS OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - ALL CONDUCTORS IN THE TECHNOLOGY BONDING SYSTEM SHALL BE MINIMUM SIZE OF 3/0 AWG PLENUM RATED COPPER (GREEN OR MARKED WITH A DISTINCTIVE GREEN COLOR) UNLESS CONDUCTOR LENGTH IS LESS THAN 66 FEET. REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING CRITERIA FOR CONDUCTORS LESS THAN 66 FEET IN LENGTH. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - ALL BONDING CONDUCTORS AND BONDING JUMPERS SHALL BE CONNECTED BY COMPRESSION LUGS, EXOTHERMIC WELDING, OR IRREVERSIBLE COMPRESSION CONNECTORS. SOLDER IS NOT AN ACCEPTABLE MEANS OF CONNECTION. SHEET METAL SCREWS SHALL NOT BE USED TO CONNECT COMMUNICATIONS BONDING CONDUCTORS TO EQUIPMENT. WHERE NECESSARY, REMOVE PAINT AND/OR USE PAINT-PIERCING WASHERS TO PROVIDE PROPER ELECTRICAL BOND AT ALL CONNECTIONS.

BONDING CONDUCTOR SIZING SCHEDULE	
CONDUCTOR LENGTH IN FEET	MINIMUM ACCEPTABLE SIZE - AWG
LESS THAN 13'	6
14' - 20'	4
21' - 26'	3
27' - 33'	2
34' - 41'	1
42' - 52'	1/0
53' - 66'	2/0
GREATER THAN 66'	3/0

- KEYNOTES:**
- BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT). BCT SHALL BE THE SAME SIZE AS THE TBB OR LARGER. REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING REQUIREMENTS.

1 TECHNOLOGY BONDING RISER DIAGRAM
12" = 1'-0"



- NOTES:**
- THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - REFER TO FLOOR PLANS FOR QUANTITY OF CABLES AND JACKS TO BE INSTALLED AT EACH INFORMATION OUTLET.

- KEYNOTES:**
- D# INDICATES VOICE/DATA FACEPLATE CONFIGURATION. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION.
 - (WAP) WIRELESS ACCESS POINT. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION.
 - RACK OR CABINET AS DEFINED ON THE TELECOM ROOM LAYOUT. REFER TO THE TELECOM ROOM REFERENCES MATRIX ON THE COVERPAGE FOR LOCATION.
 - OPTICAL FIBER PATCH CABLES.
 - RJ-45 TO RJ45 CATEGORY 6A UTP PATCH CORDS, REFER TO SPECIFICATIONS FOR PATCH CORD REQUIREMENTS.
 - REFER TO COVERPAGE AND FLOOR PLANS FOR TELECOMMUNICATIONS ROOM LOCATIONS.

2 FIBER OPTIC AND COPPER RISER DIAGRAM
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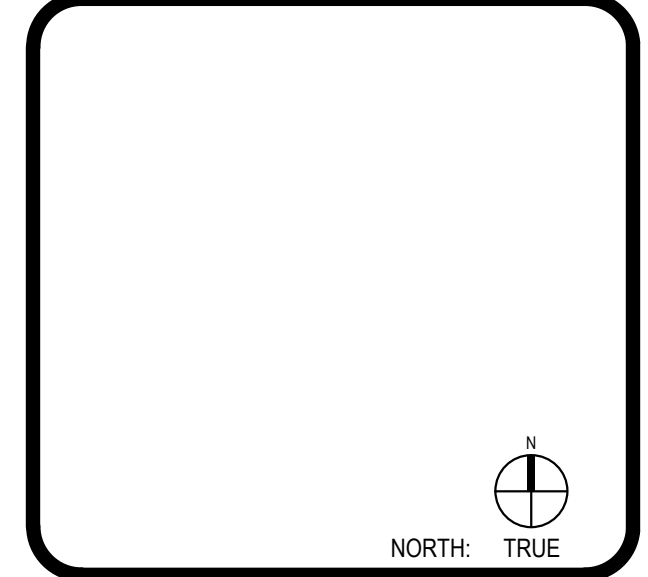
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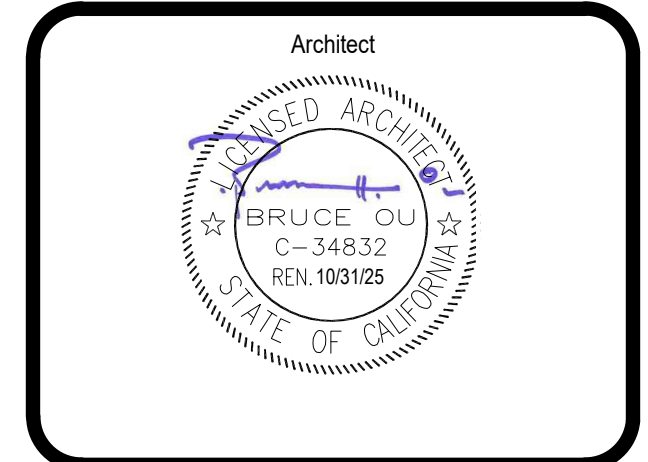
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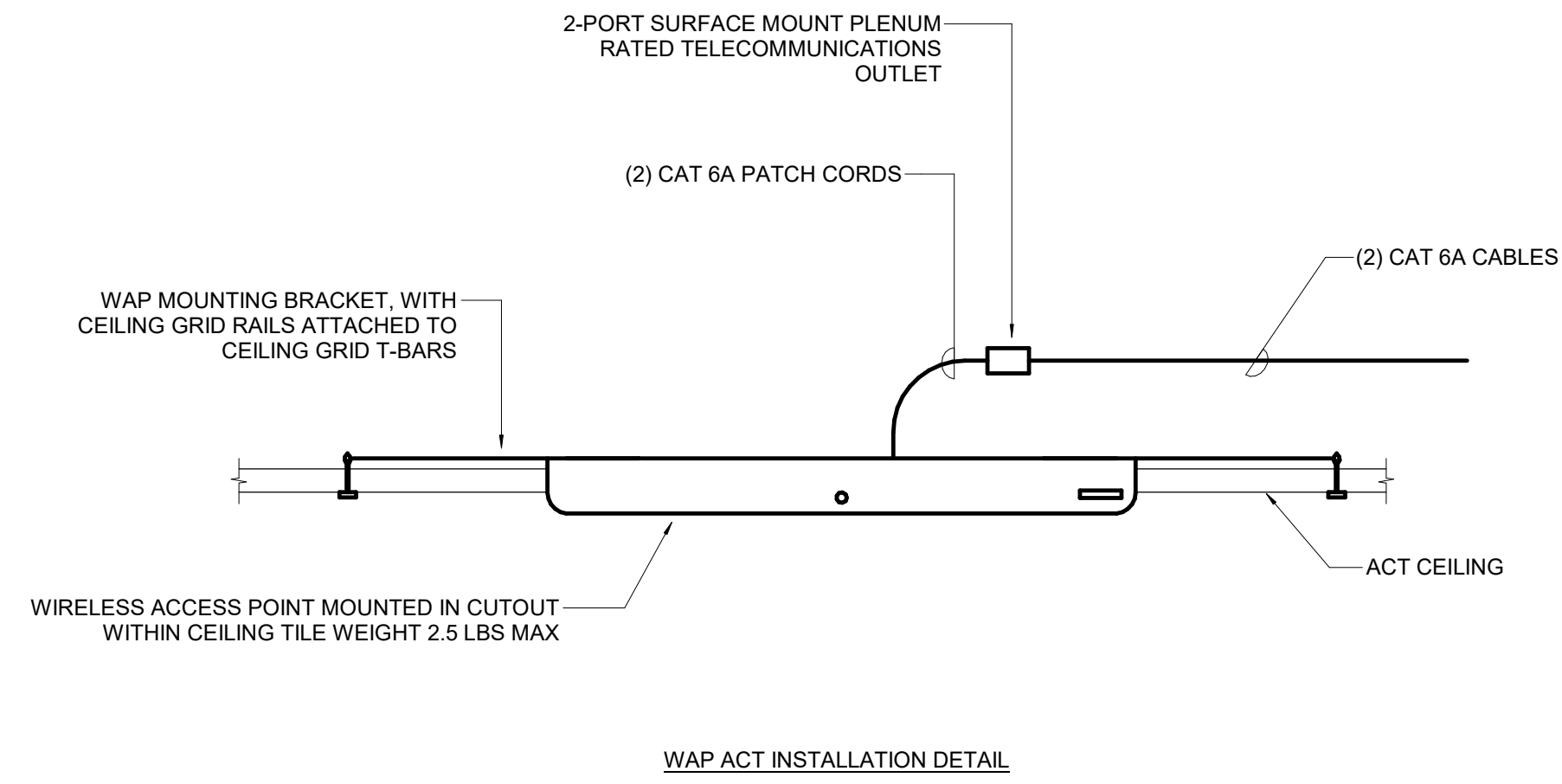


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TECHNOLOGY RISER DIAGRAM AND SCHEDULES

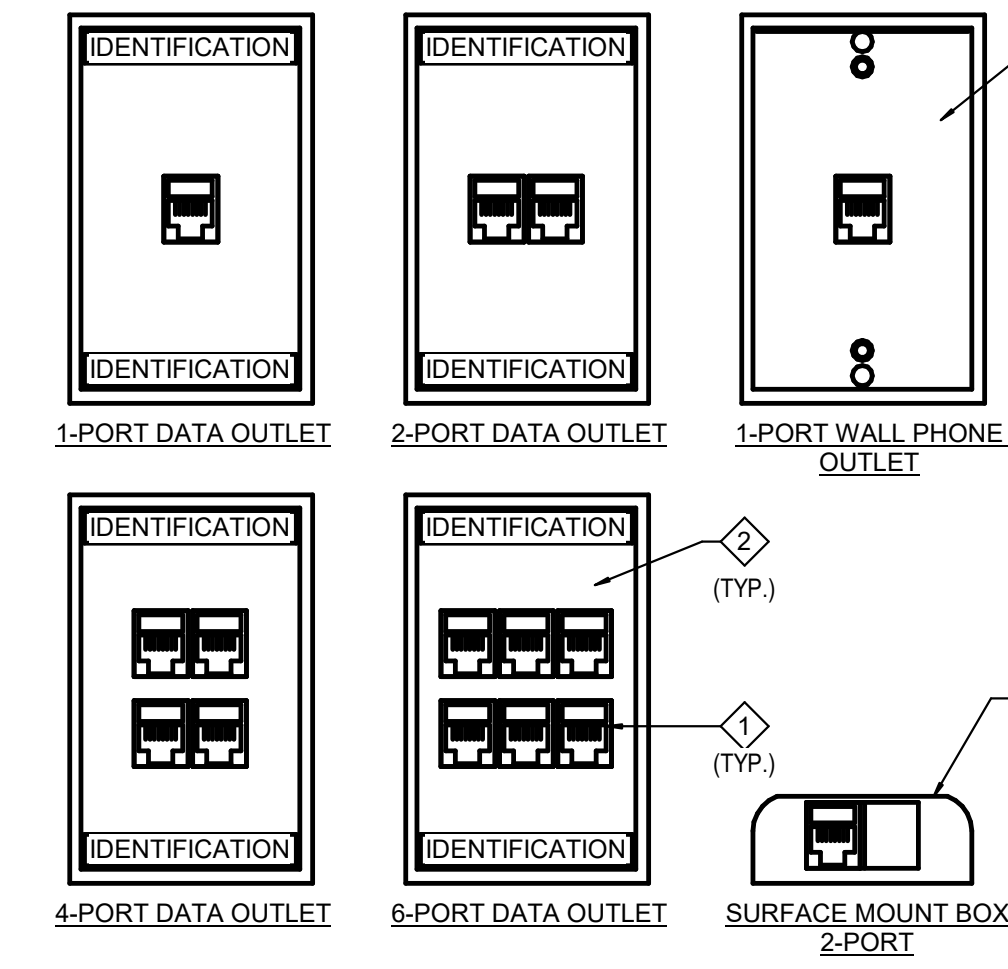
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NOTES:

- WHERE SUPPORTS ATTACH TO METAL ROOF DECKING, EXCLUDING CONCRETE ON METAL DECKING, DO NOT EXCEED 25 LBS. PER HANGAR AND A MINIMUM SPACING OF 2'-0" ON CENTER. THIS 25 LB. LOAD AND 2'-0" SPACING INCLUDE ELECTRICAL AND MECHANICAL ITEMS HANGING FROM DECK. IF THE HANGER RESTRICTIONS CANNOT BE ACHIEVED, THE ADDITION OF SUPPLEMENTAL FRAMING OR STEEL FRAMING WILL BE REQUIRED.



NOTES:

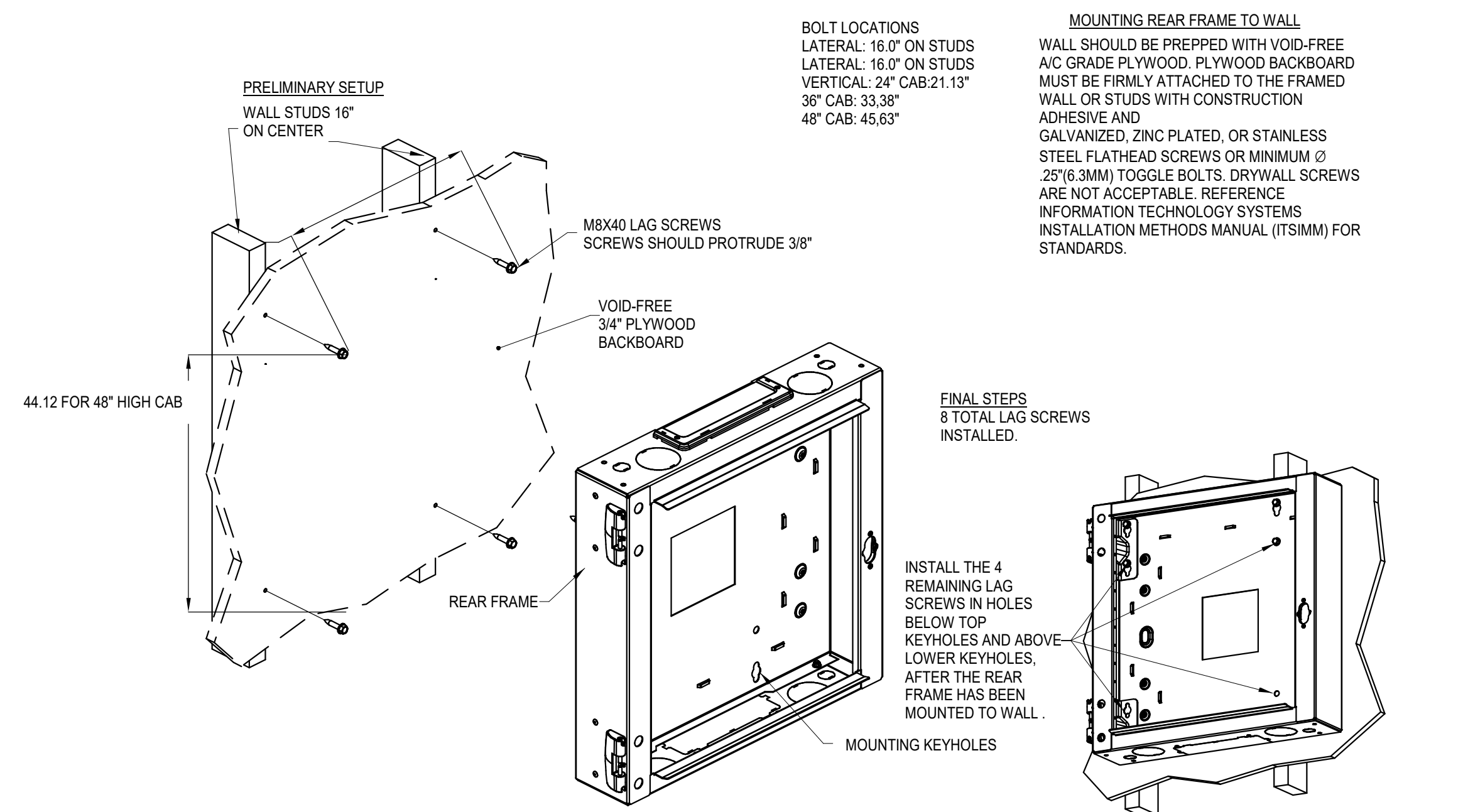
- REFER TO SPECIFICATION SECTION 27 15 00 - HORIZONTAL CABLING REQUIREMENTS FOR CATEGORY CABLE PERFORMANCE REQUIREMENTS
- REFER TO SPECIFICATION SECTION 27 05 53 - IDENTIFICATION FOR DATA OUTLET PORT IDENTIFICATION
- DATA OUTLET SHALL BE INSTALL IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. REFER TO DETAIL 1/75.01 TECHNOLOGY ROUGH-IN MOUNTING DETAILS FOR CONDUIT SIZE
- PROVIDE REMOVABLE BLANK INSERTS FOR UNUSED PORTS
- USE T568B WIRING SCHEME TO TERMINATE THE TWISTED-PAIR CABLE ONTO THE CONNECTOR INTERFACE
- WHERE APPLIES PER PLANS, PROVIDE AV OUTLET WITH HDMI CONNECTION PER BELOW.
 - PANDUIT COVER PLATE: CBEIWHY OR APPROVED EQUAL
 - PANDUIT JACK: (HDMI 2.0) CMHDMW OR APPROVED EQUAL
 - PANDUIT MODULAR INSERT: CHF2M-X OR APPROVED EQUAL

KEYNOTE NOTES:

- PROVIDE CAT6 RJ-45 JACKS, 8-POSITION, 8-CONTACT (8P8C), COLOR BLUE FOR DATA, WHITE FOR VOICE, RED FOR SECURITY.
 - PANDUIT PRODUCTS "CJ868TGBU", COMMSCOPE "MG8400-318" OR APPROVED EQUAL
- PROVIDE 1,2,4,6-PORT FACEPLATE AS INDICATED ON DRAWINGS
 - 1-PORT: PANDUIT PRODUCTS "CFPE1WHY", COMMSCOPE OR APPROVED EQUAL
 - 2-PORT: PANDUIT PRODUCTS "CFPE2WHY", COMMSCOPE OR APPROVED EQUAL
 - 4-PORT: PANDUIT PRODUCTS "CFPE4WHY", COMMSCOPE OR APPROVED EQUAL
 - 6-PORT: PANDUIT PRODUCTS "CFPE6WHY", COMMSCOPE OR APPROVED EQUAL
- PROVIDE STAINLESS STEEL 1-PORT FACEPLATE FOR OUTLETS INDICATED WITH "W" ON DRAWINGS. "W" INDICATES WALL PHONE MOUNTED AT 48" AFF FOR WALL HUNG PHONE.
 - 1-PORT: WALL PHONE "W" PANDUIT PRODUCTS "KW6P9Y", COMMSCOPE OR APPROVED EQUAL
- PROVIDE SURFACE MOUNT BOX, PLENUM RATED, MOUNTED ABOVE CEILING FOR CONNECTIONS TO WIRELESS ACCESS POINTS.
 - 2-PORT: PANDUIT PRODUCTS "CBX2WHAY", COMMSCOPE OR APPROVED EQUAL

3 CEILING SPEAKER MOUNTING
12" = 1'-0"

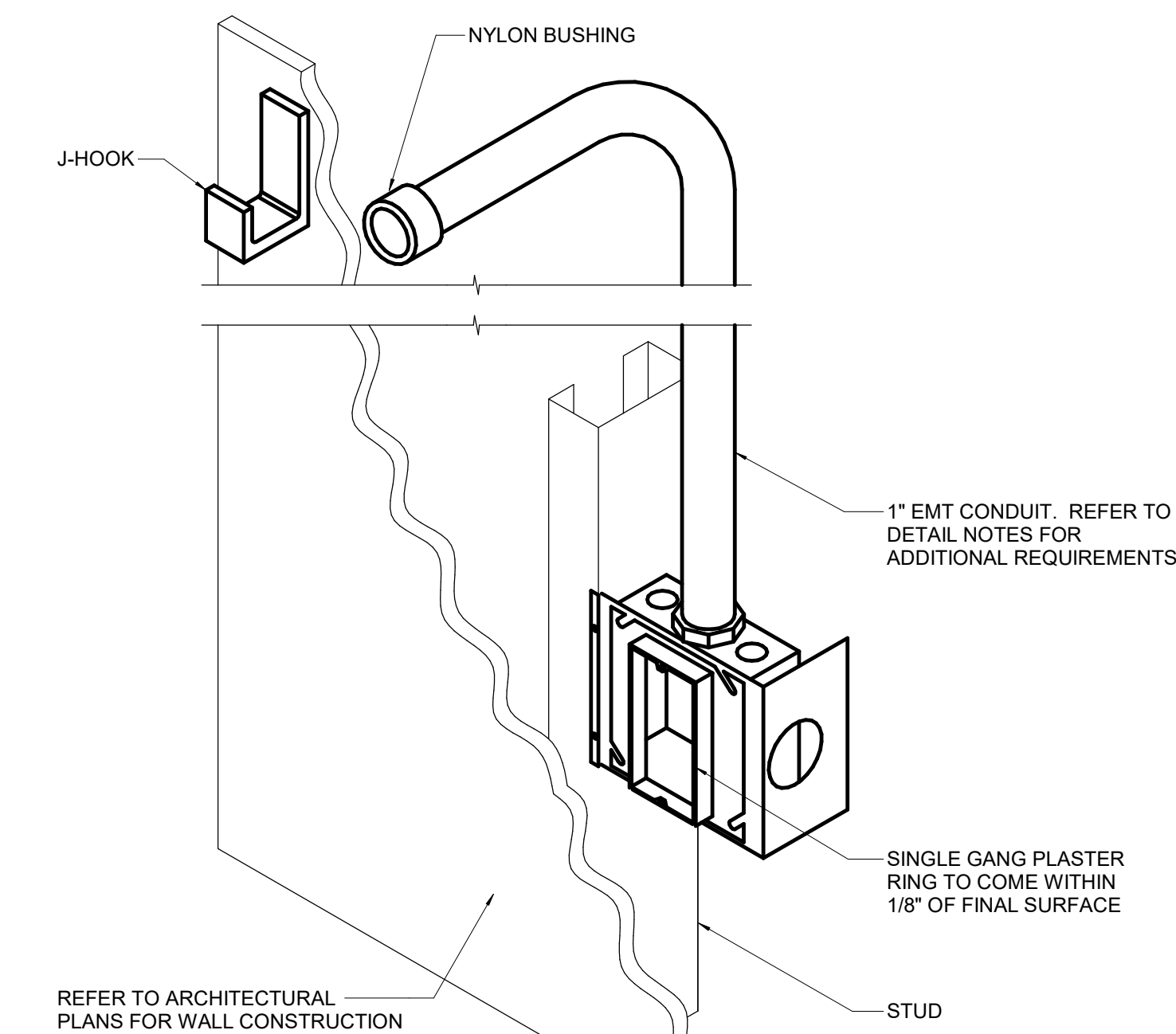
1 DATA OUTLETS CONFIGURATION DETAIL
12" = 1'-0"



NOTES:

- THE REAR FRAME MUST BE SECURED TO WALL USING ALL 8 LAG SCREWS PROVIDED. THE SCREWS ARE INTENDED TO GO THROUGH 3/4" PLYWOOD BACKBOARD AND THEN INTO WOOD WALL STUDS FOR MASONRY SURFACE. THE INSTALLER MUST PROVIDE APPROPRIATE HARDWARE.

- INSURE THAT THE WALL OR MOUNTING SURFACE HAS SUFFICIENT STRENGTH TO SUPPORT THE CABINET AND THE EXPECTED CABINET PAYLOAD. THE MOUNTING SURFACE MUST ALSO BE FLAT AND EXTEND BEYOND THE TOP, BOTTOM, LEFT, AND RIGHT EDGES OF THE REAR PANEL.
- DRILL 5/32" PILOT HOLES FOR THE FOUR M8x40mm LAG SCREWS TO THE DIMENSIONS SHOWN ON THE DRAWING. THE SCREWS SHOULD GO DIRECTLY INTO THE WALL STUDS.
- INSTALL THE LAG SCREWS INTO THE HOLES. THE SCREW HEAD SHOULD PROTRUDE ABOUT 3/8" FROM THE WALL.
- MOUNT THE REAR FRAME TO THE WALL BY HOOKING THE UPPER AND LOWER KEYSHOLES OVER THE SCREWS. TIGHTEN THE SCREWS SECURELY.
- INSTALL THE REMAINING 4 LAG SCREWS IN THE HOLES BELOW THE TOP TWO KEYSHOLES, AND ABOVE LOWER KEYSHOLES.



NOTES:

- 1" EMT CONDUIT SHALL STUB UP TO NEAREST ACCESSIBLE CEILING AND TERMINATE ORIENTED HORIZONTALLY AT THE HEIGHT OF THE ASSOCIATED CABLE TRAY OR J-HOOK ROUTE. CONDUIT RUN SHALL NOT CONTAIN MORE THAN 180 DEGREE OF BEND BETWEEN ACCESSIBLE JUNCTION BOXES OR BETWEEN JUNCTION BOX AND END OF CONDUIT.
- WHERE CONDUIT STUB IS LOCATED IN A ROOM WITH AN ACCESSIBLE CEILING AND IS NOT REQUIRED TO RUN TO CABLE ROUTE LOCATED OUTSIDE THE ROOM, STUB MUST TERMINATE ABOVE THE ACCESSIBLE CEILING WITH A 90-DEGREE BEND AT THE TOP ORIENTED IN TO THE ROOM AT THE HEIGHT OF THE ASSOCIATED CABLE TRAY OR J-HOOK ROUTE IN THE ROOM.
- ALL STUBS MUST BE FITTED WITH A NYLON BUSHING ON EACH END OF THE CONDUIT.
- INSTALLING CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOP MATERIALS FOR TECHNOLOGY ROUGH-INS PER PROJECT REQUIREMENTS. REFER TO SPECIFICATIONS FOR FIRESTOP REQUIREMENTS.

4 WALL CABINET MOUNTING DETAILS
12" = 1'-0"

2 TECHNOLOGY ROUGH-IN MOUNTING
N.T.S.



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CONSULTANT LEAF ENGINEERS

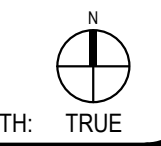


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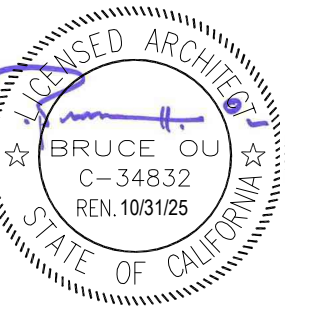
PROJECT ADDRESS:
12712 Elizabeth Way,
Tustin, CA 92780

DSA-APPL. NO. XXXX DSA-FILE NO. XXXX



Consultant

Architect



CLIENT TUSD

DATE xxxxx PROJECT NUMBER 220513

No.	Description	Date

TECHNOLOGY DETAILS

DEVICE SCHEDULE

Table with columns: SYMBOL, DESCRIPTION, MODEL, MANUFACTURER, BACKBOX, MOUNTING HEIGHT, C.S.F.M. NUMBER. Lists various fire alarm components like FACP, FAPS, ASD-PL3, etc.

LEGENDS

Table with columns: ABBREVIATION, DESCRIPTION, ABBREVIATION, DESCRIPTION. Lists electrical symbols like AMPERES, ABOVE FINISHED FLOOR, etc.

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES: 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR, 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR, etc.

DRAWING INDEX

Table with columns: SHEET, DESCRIPTION. Lists sheets FA0.00 through FA6.01 and their descriptions.

ANCHORAGE AND BRACING NOTES

ALL WORK SHALL BE IN CONFORMANCE WITH TITLE 24, 2022 CALIFORNIA CODE OF REGULATIONS (CCR), CALIFORNIA BUILDING CODE, PART 2, TITLE 24 CCR, etc.

GENERAL NOTES

- 1. APPLICABLE STANDARD 2022 NFPA 72, AS ADAPTED AND AMENDED IN CBC CHAPTER 35.
2. INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA.

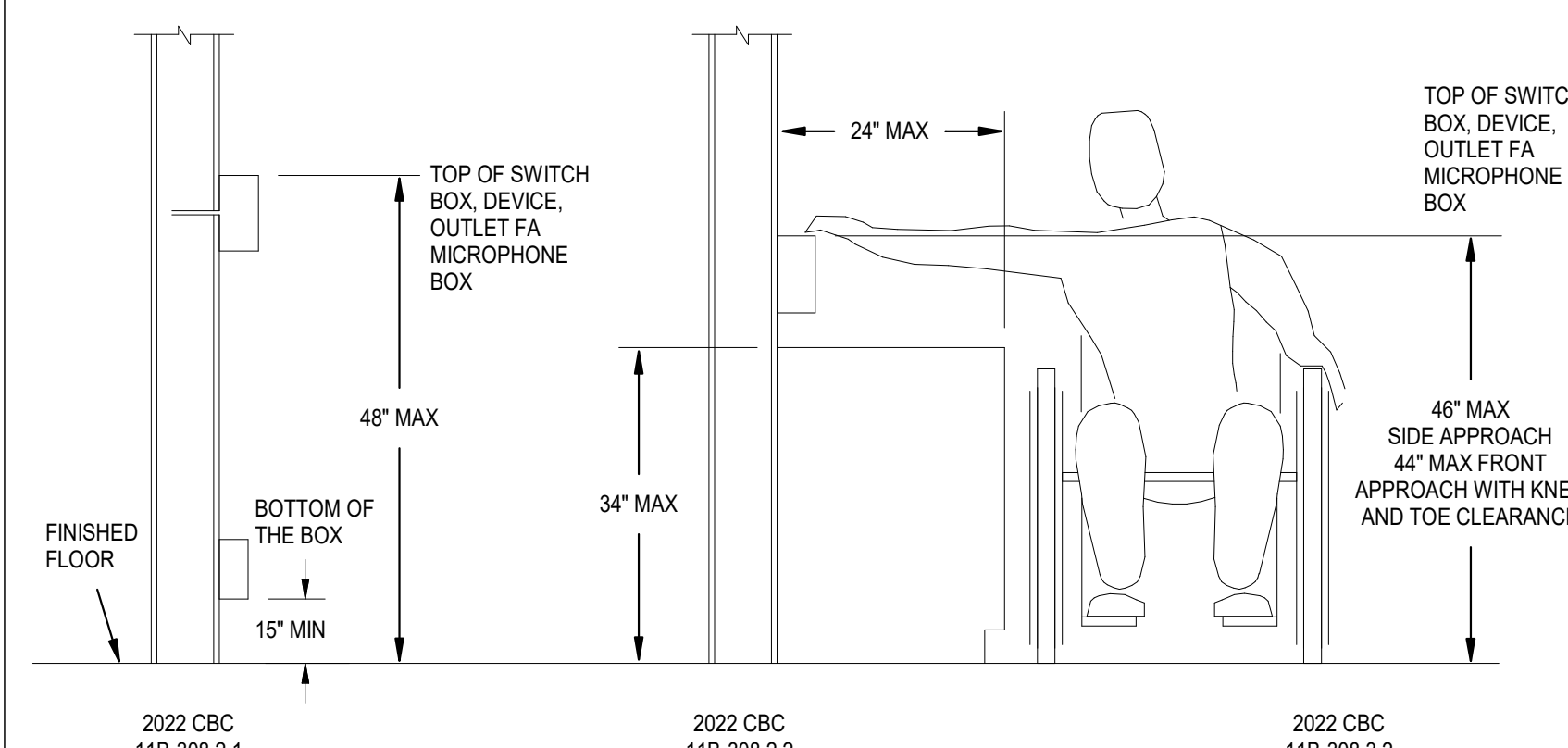
FIRE WATCH NOTE

A FIRE WATCH SHALL BE ESTABLISHED AND THE FIRE DEPARTMENT & FIRE CODE OFFICIAL SHALL BE NOTIFIED IMMEDIATELY WHENEVER THE FIRE PROTECTION / ALARM SYSTEM IS RENDERED OUT OF SERVICE.

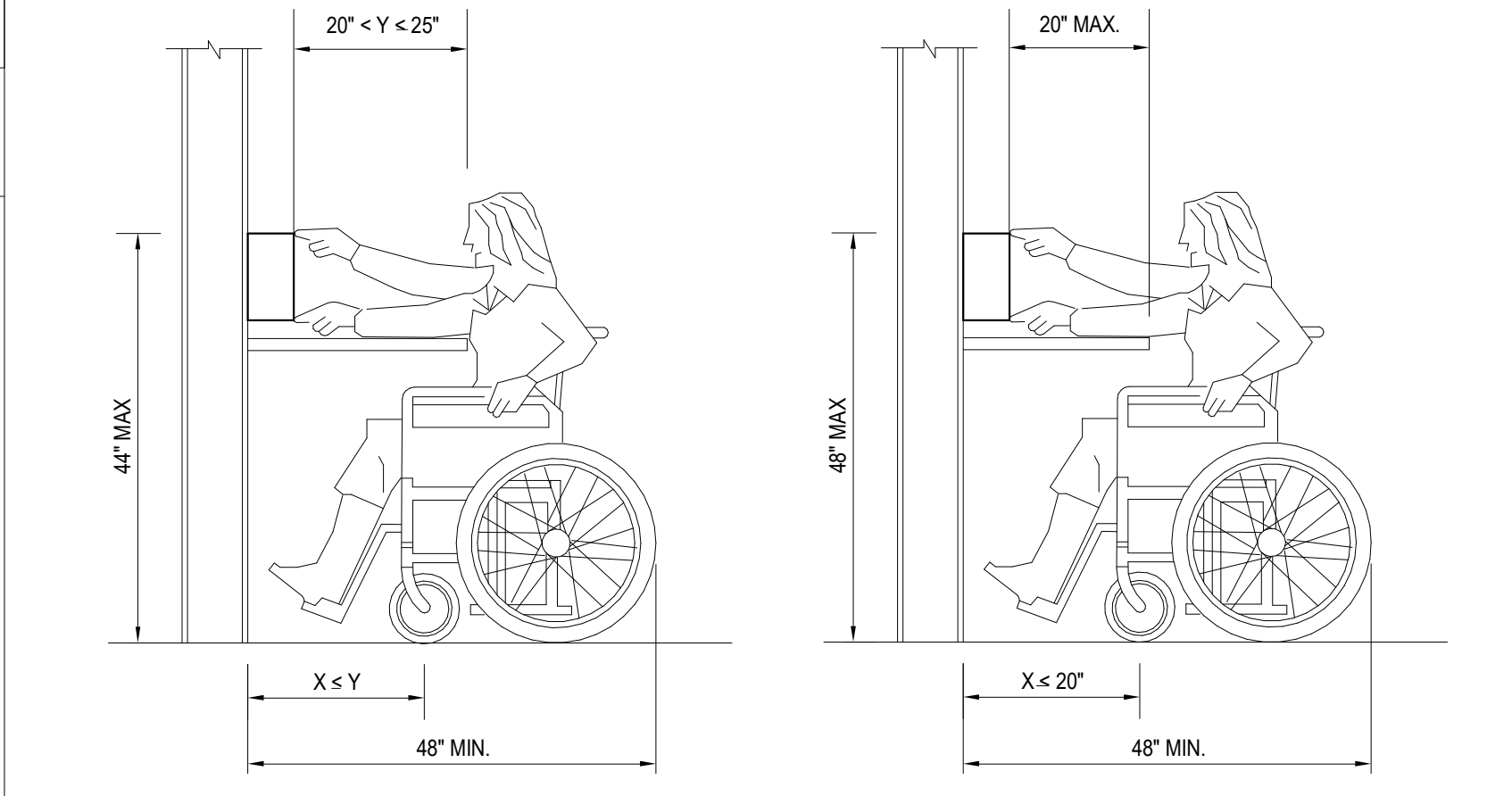
SCOPE OF WORK

PROVIDE COMPLETE FULL AUTOMATIC ADDRESSABLE FIRE ALARM SYSTEM WITHIN THE AREA OF WORK. PROVIDE FIRE ALARM SYSTEM DEVICES AS SHOWN IN EQUIPMENT LEGEND, FLOOR PLANS, AND SPECIFICATIONS.

MOUNTING OVER OBSTRUCTION DETAIL



- NOTES:
1. THIS DETAIL APPLIES TO MOUNTING OF ANY MECHANICAL AND ELECTRICAL DEVICE WHICH CONTAINS AN OPERABLE PART THAT IS ADJUSTABLE BY THE OCCUPANT.
2. FORWARD OR FRONT APPROACH FOR DEVICES MOUNTED ABOVE COUNTERS ASSUMES THAT DIRECTLY BELOW THE DEVICE, THE COUNTER HAS A 30" MIN. WIDTH x 27" HIGH x 19" MIN. DEEP CLEAR OPENING.



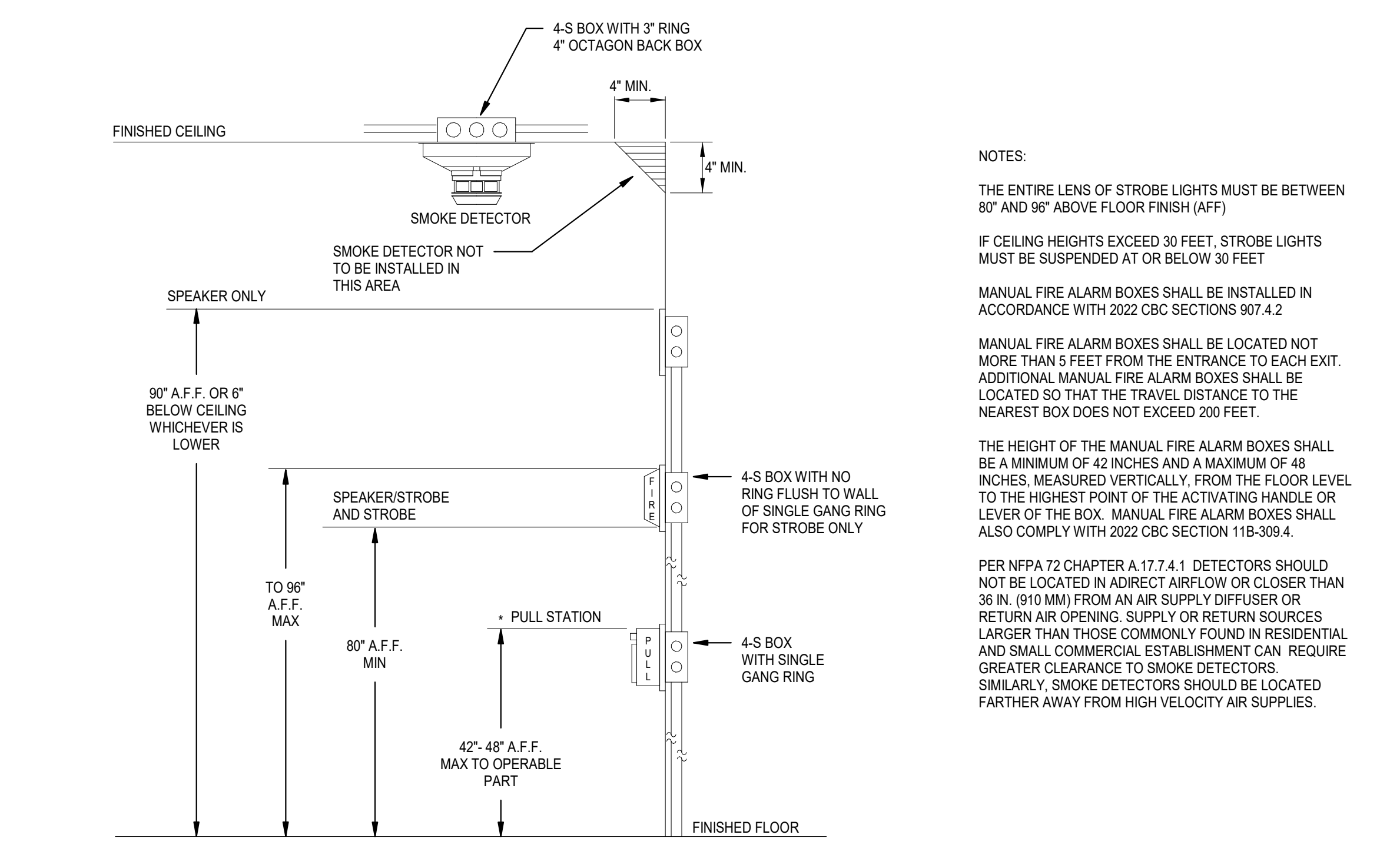
WIRE SCHEDULE

Table with columns: WIRE DESIGNATION, WIRE IN CONDUIT, WIRE IN CONDUIT UNDERGROUND/WET LOC., UNDERGROUND/WET WIRE DESIGNATION. Lists various wire types and counts.

FIRE ALARM REQUIREMENTS

THE CONTRACTOR SHALL PROVIDE AND SUBMIT THE FIRE ALARM SHOP DRAWINGS TO THE ARCHITECT FOR REVIEW AND APPROVAL. PRIORITY INSTALLATION OF THE FIRE ALARM SYSTEM. THE SUBMITTAL SHALL CONTAIN THE FOLLOWING:
A. SHOP DRAWINGS: COMPLETE 1/8" SCALE FLOOR PLANS SHOWING ALL DEVICES, COMPONENTS, CONDUIT AND WIRING INDICATING CODES, SIZES AND SYSTEMS AS DESIGNED AND SPECIFIED.

ELEVATION MOUNTING DETAIL



- NOTES:
1. THE ENTIRE LENS OF STROBE LIGHTS MUST BE BETWEEN 80" AND 96" ABOVE FLOOR FINISH (AFF).
2. IF CEILING HEIGHTS EXCEED 30 FEET, STROBE LIGHTS MUST BE SUSPENDED AT OR BELOW 30 FEET.
3. MANUAL FIRE ALARM BOXES SHALL BE INSTALLED IN ACCORDANCE WITH 2022 CBC SECTIONS 907.4.2.
4. MANUAL FIRE ALARM BOXES SHALL BE LOCATED NOT MORE THAN 5 FEET FROM THE ENTRANCE TO EACH EXIT.
5. THE HEIGHT OF THE MANUAL FIRE ALARM BOXES SHALL BE A MINIMUM OF 42 INCHES AND A MAXIMUM OF 48 INCHES, MEASURED VERTICALLY, FROM THE FLOOR LEVEL TO THE HIGHEST POINT OF THE ACTIVATING HANDLE OR LEVER OF THE BOX.
6. PER NFPA 72 CHAPTER 4.17.7.4.1 DETECTORS SHOULD NOT BE LOCATED IN ADIRECT AIRFLOW OR CLOSER THAN 36 IN. (914 MM) FROM AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING, SUPPLY OR RETURN SOURCES LARGER THAN THOSE COMMONLY FOUND IN RESIDENTIAL AND SMALL COMMERCIAL ESTABLISHMENT CAN REQUIRE GREATER CLEARANCES TO SMOKE DETECTORS. SIMILARLY, SMOKE DETECTORS SHOULD BE LOCATED FURTHER AWAY FROM HIGH VELOCITY AIR SUPPLIES.

SEQUENCE OF OPERATIONS

Table with columns: DEVICE, AREA SMOKE/BEAM DETECTOR, HEAT DETECTOR, 120VAC POWER FAILURE, SHORT CIRCUIT, GROUND FAULT, BATTERY FAILURE. Lists actions like SOUND ALARM AT 'FACP', SOUND TROUBLE BUZZER AT 'FACP', etc.

PRK logo, ARCHITECT ANAHEIM PBK Architects, Inc., CONSULTANT LEAF ENGINEERS, PROJECT ADDRESS: 12712 Elizabeth Way, Tustin, CA 92780, 100% CONSTRUCTION DOCUMENT, DSA FILE NO. XXXX, FIRE ALARM SYMBOLS, LEGENDS & GENERAL NOTES, FA0.00

SECTION 26 01 00 FIRE DETECTION AND ALARM

PART 1 GENERAL
1.1 RELATED DOCUMENTS
A. Drawings and general provisions of this Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY
A. Section Includes:
1. Provide a complete, fully addressable, power limited, fire detection and voice evacuation system for this project. The system shall be connected, tested, verified by AHJ to be acceptable and left in first class operating condition.

2. Provide all work and material as significantly different than shown on the approved drawings shall have the approval of the engineer and must be obtained prior to construction.
3. Supervision: The fire alarm system shall monitor the integrity of all alarm initiating and indicating appliance circuits and provide local and remote status of all connected systems. The system shall be provided with automatically charged standby batteries to maintain system operation for 24 HRS in the normal supervisory mode and 15 minutes of alarm. Batteries shall be supervised for connection to the system and low voltage threshold. The automatic battery charger shall be capable of charging fully discharged system batteries to 100% in 8 hours.

13. All initiating devices shall be separately addressed for individual identification at control panel.
14. As-Built Drawings: A complete set of reproducible 'as-built' drawings showing installed wiring, color coding, wire tag notations exact locations of all installed equipment, specific inter-connections between all equipment and internal wiring of the drawing shall be delivered to the owner upon completion of the system.
15. Maintenance Instructions: Three (3) submittals of maintenance instructions shall be provided and shall be complete, easy to read, understandable and shall provide the following information:
a. Instructions for replacing any components of the system, including internal parts.
b. Instructions for periodic cleaning and adjustment of equipment with a schedule of these functions.

1.6 PERFORMANCE REQUIREMENTS
A. Alarm, trouble and supervisory signals from all intelligent reporting devices shall be encoded on NFPA Style 4 (Class B) Signaling Line Circuits (SLC).
B. Device Circuits (DC) shall be wired Class A (NFPA Style 2) as part of an addressable device connected by the SLC Circuit.
C. Notification Appliance Circuits (NAC) shall be wired Class A (NFPA Style 2) as part of an addressable device connected by the SLC Circuit.

1.7 QUALITY ASSURANCE
A. Loads of Equipment and Components
a. Follow IEEE Standard where applicable.
b. Provide fuse protection for equipment and spare fuses.
c. Design systems for operation at 120 volts, normal or emergency power as indicated, 60 Hz nominal input.
d. Operating voltage dissipated by resistors shall not exceed 25% of ratings.
e. Operating voltage of capacitors shall not exceed 80% of rated voltage.

1.8 WARRANTY
A. For a period of three years from date of final acceptance, the system shall be under full guarantee for materials and labor at no cost to the Owner. The system shall be under a service contract with a technician authorized by the manufacturer. Replacement parts and labor shall be readily available during normal business hours while the service contract is in effect. A complete system inspection and test shall be performed at five months and again at eleven months after final acceptance. Tests shall include all smoke detector sensitivity settings.

B. Conform to applicable provisions of the General Requirements.
C. Service technicians and replacement components for the system shall be available locally from a service representative of the manufacturer who is able to provide evidence of technical training and authorization by the manufacturer.
D. All component failures shall be the responsibility of the satisfaction of the Owner.
E. A continuing service contract shall be offered at time of bid to commence at the expiration of warranty included with the system.

1.7 ACCEPTABLE MANUFACTURER
A. All fire alarm system devices and equipment shall be manufactured with the one indicated on the drawing or approved equivalent. No other manufacturers will be accepted.
B. All equipment, materials, accessories, devices, etc. covered by the specifications and/or noted on the control drawings shall be new and unused and be UL listed for their intended use.
C. All equipment provided shall be available for purchase from at least two authorized distributors within the service area.
1.8 MAINTENANCE
Maintenance shall be performed on a semi-annual basis or as required by the AHJ. A preventative maintenance schedule shall be provided by the contractor describing the protocol for preventative maintenance. The schedule shall include:
Systematic testing and complete inspection of the entire fire alarm system including control panels, field devices, and wiring terminations including smoke sensors, heat sensors, manual pull stations, sprinkler systems, power supplies, and terminal boxes, and all other fire alarm accessories, in accordance with NFPA 72. Cleaning and adjusting of devices shall be conducted at this time.

2.2 MATERIALS
A. Main FACP or network node shall contain a microprocessor based Central Processing Unit (CPU) and power supply in an economical space saving single board design. The CPU shall communicate with all devices and equipment used to make up the system: intelligent addressable smoke and thermal (heat) detectors, addressable modules, printer, annunciators, and other system-controlled devices.
B. System Devices and components shall be provided as specified on the fire alarm equipment legend and as shown on associated electrical drawing.
2.3 COMPONENTS
EXISTING FIRE ALARM CONTROL PANEL (FACP)
A. FACP shall be an indicated model on the drawing or approved equivalent.
2.4 COMPONENTS
EXISTING FIRE ALARM CONTROL PANEL (FACP)
A. FACP shall be an indicated model on the drawing or approved equivalent.

2.5 COMPONENTS
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5. Speaker shall be listed to Underwriters Laboratories Standard S4046 for outdoor fire protective signaling systems. Speaker shall have a frequency range of 400 to 4,000 Hz and shall have an operating temperature from -40°F to 150.8°F. Speaker shall have power taps and wattage settings that are selected by rotary switches. The speaker must be installed with its weatherproof back box in order to remain outdoor approved per UL listing S4048. The speaker shall be suitable for use in air handling spaces and wet environments.

PART 3 EXECUTION
A. Refer to the electrical and mechanical drawings and specifications to determine quantities and location of devices and required scope of work and coordinate work with mechanical and electrical installers. Provide function described under mechanical section Sequence of Control, for fire and/or emergency conditions. Submit proposed interconnection to elevator contractor, fire alarm and paging requirements to electrical installer. For self-contained door release, coordinate with door supplier.
3.2 GENERAL
A. Comply with all applicable paragraphs in Section 26 05 00 Common Work Results for Electrical, apply as though repeated herein.

3.3 INSTALLATION
Placing the system into service shall be by one (1) contractor and the installing contractor must be a certified dealer of the specified system. No subcontractors, or to the awarded proposing contractor, will be allowed to install any portion of this system including, but not limited to:
1. Wiring
2. Device installation
3. System programming
4. FACP installation
5. Remote power supply installation
A. The installing contractor shall install the network fire alarm system as is instructed by the manufacturer's instructions.

3.4 GROUNDING
All equipment to be grounded by the means of green ground wire to "L" contact of duplex receptacles and bonded to ground prior under 26 05 20. Grounding and Bonding of Electrical Systems
3.5 INSPECTION
All equipment to be grounded by the means of the CSFM and IOR and AHJ shall be approved thereby before installation and prior to final acceptance.

3.6 LOCATION
A. Before installation, verify exact location of control equipment and outlets.
3.7 WIRING
A. All alarm wiring shall be new.
B. Furnish all conductors, equipment, terminal strips, etc., and labor to install a complete and operable system. All cable conductors shall be color coded and numbered for identification at all terminals. Ground shall be for grounding conductor only. Use red insulation and/or red jacketing on all fire alarm cables.

3.8 CONDUIT / RACEWAY:
A. All wire shall be installed in an approved conduit/raceway system (except where permitted by NEC and the local authority having jurisdiction). Maximum conduit "fill" shall not exceed 80% per NEC.
B. Conduit and raceway system shall be installed as specified under the general electrical section of the specifications, and per NEC, local, and state requirements.
C. Minimum conduit size shall be 3/4" (19.1 mm). Installed conduit per engineered shop drawings.

3.9 TESTING
A. All equipment to be grounded by the means of the CSFM and IOR and AHJ shall be approved thereby before installation and prior to final acceptance.
B. Provide report at conclusion of walk through certifying all fire alarm devices are working.
C. Walk test shall include a representative from owner maintenance department.
D. Walk test to show in a printed report all AHJ shutdown, strobes/horns, heat and smoke detectors. Report shall list all devices by approximate location to rooms, and device number.

3.10 TESTING
A. All equipment to be grounded by the means of the CSFM and IOR and AHJ shall be approved thereby before installation and prior to final acceptance.
B. Provide report at conclusion of walk through certifying all fire alarm devices are working.
C. Walk test shall include a representative from owner maintenance department.
D. Walk test to show in a printed report all AHJ shutdown, strobes/horns, heat and smoke detectors. Report shall list all devices by approximate location to rooms, and device number.

3.11 WALK TEST
A. Notify Owner, Architect and Engineer when system is 100% operational. Schedule walk-through of the entire facility and verify that each initiating and each indicating device is operating properly.
B. Provide report at conclusion of walk through certifying all fire alarm devices are working.
C. Walk test shall include a representative from owner maintenance department.
D. Walk test to show in a printed report all AHJ shutdown, strobes/horns, heat and smoke detectors. Report shall list all devices by approximate location to rooms, and device number.

3.12 SOFTWARE
A. Installer shall provide a backup copy of the installed program database (on CD) to the engineer in triplicate for final approval.
3.13 REPORT
A. Prepare written report of final test results, signed by witnessing parties. Submit to the Owner in triplicate for final approval.

END OF SECTION 26 01 00



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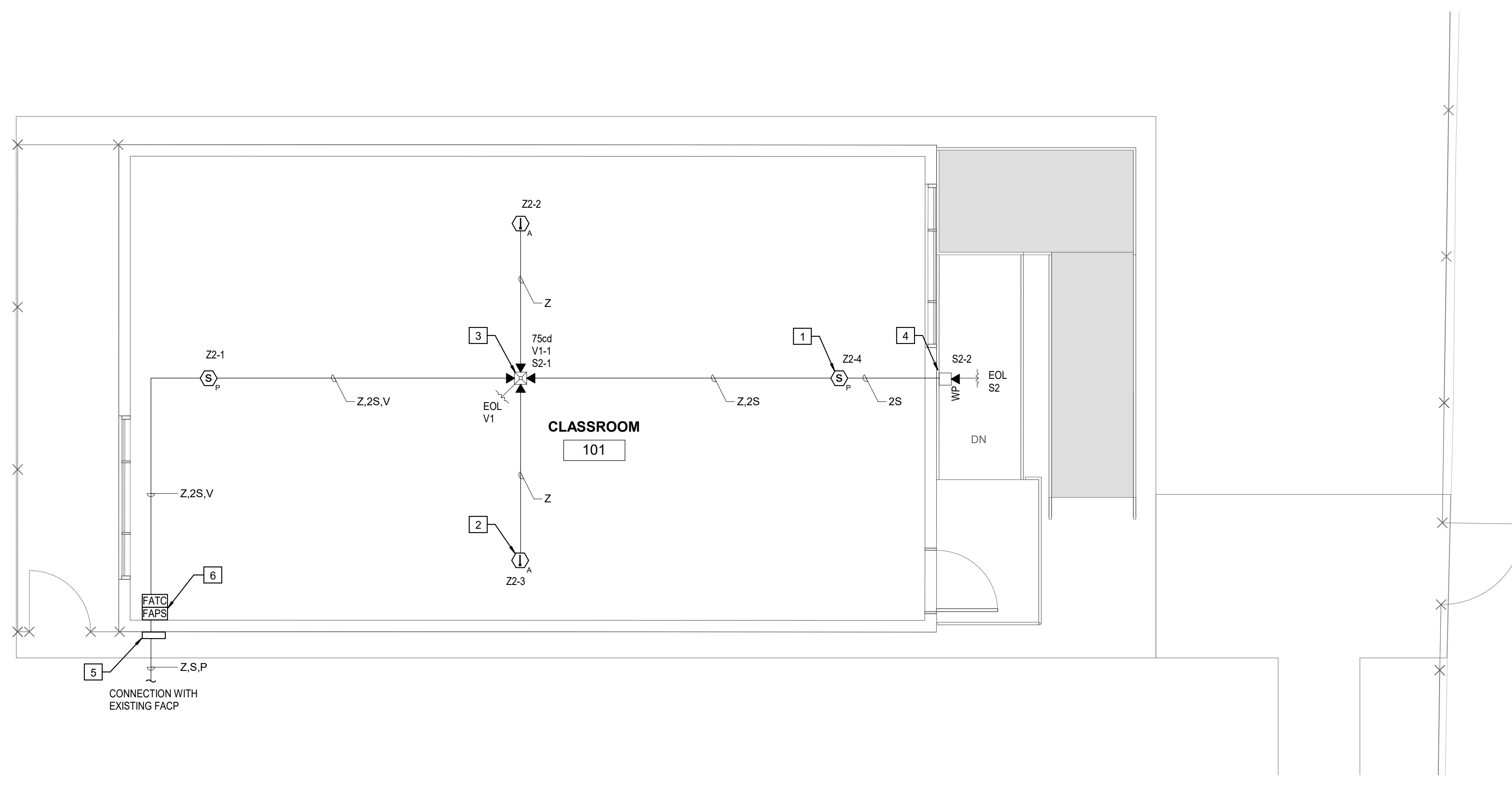
PROJECT ADDRESS: 12712 Elizabeth Way, Tustin, CA 92780 100% CONSTRUCTION DOCUMENT DSA-APPL NO. XXXX DSA-FILE NO. XXXX

Tustin Unified School District

Consultant REGISTERED PROFESSIONAL ENGINEER E-19617 P.C. 03/01/06 ELECTRICIAN STATE OF CALIFORNIA

Architect REGISTERED ARCHITECT C-34832 REL 10/10/25 STATE OF CALIFORNIA

Table with columns: REVISIONS, No., Description, Date. Includes CLIENT TUSD, PROJECT NUMBER 220513, DATE 03/20/2024.



KEY NOTES

- 1 PROVIDE FIRE ALARM ADDRESSABLE SMOKE DETECTOR AS SHOWN (TYP).
- 2 PROVIDE FIRE ALARM ADDRESSABLE ATTIC HEAT DETECTOR AS SHOWN (TYP).
- 3 PROVIDE FIRE ALARM CEILING MOUNTED SPEAKER STROBE AS SHOWN (TYP).
- 4 PROVIDE FIRE ALARM WALL MOUNTED WEATHERPROOF SPEAKER STROBE AS SHOWN (TYP).
- 5 PROVIDE NEMA 3R WEATHERPROOF PULLBOX 18"x18"x8" FOR FIRE-ALARM.
- 6 PROVIDE NEW FIRE ALARM POWER SUPPLY PANEL AND FIRE ALARM TERMINAL CABINET AS SHOWN.

GENERAL NOTES

1. ALL SPEAKER TAP SETTING SHALL BE SET AT 12 WATT FOR INTERIOR SPEAKER AND 2 WATT FOR EXTERIOR SPEAKERS UNLESS NOTED OTHERWISE (U.N.O.)
2. RUN FIRE ALARM CABLES IN CONDUIT CONCEALED IN WALLS AND CEILING WHEN POSSIBLE. EXPOSED CONDUITS ARE NOT ACCEPTABLE.
3. SMOKE ALARMS AND SMOKE DETECTORS SHALL NOT BE INSTALLED WITHIN 36 IN. (910 MM) HORIZONTAL PATH FROM THE SUPPLY REGISTERS OF A FORCED AIR HEATING OR COOLING SYSTEM AND SHALL BE INSTALLED OUTSIDE OF THE DIRECT AIRFLOW FROM THOSE REGISTERS PER CBC 907.2.11.8.
4. FOR ALL HEAT DETECTORS THAT ARE LOCATED ABOVE CEILING/ATTIC SPACES, CONTRACTOR SHALL PROVIDE STICKER AND LABEL "HD" AT THE REFLECTED CEILING DIRECTLY BELOW THE DEVICE TO INDICATE LOCATION.
5. ELECTRICAL CONTRACTOR SHALL FURNISH ACCESS PANELS TO AREAS THAT REQUIRE ACCESS FOR ATTIC HEAT DETECTOR, SERVICING, TROUBLESHOOTING, ETC (IF REQUIRED).
6. PER 2022 CBC SECTION 1029.2 - AN ATTIC ACCESS OPENING NOT LESS THAN 20 INCHES BY 30 INCHES SHALL BE PROVIDED TO ANY ATTIC AREA HAVING A CLEAR HEIGHT OF OVER 30 INCHES.

Not for permitting or construction



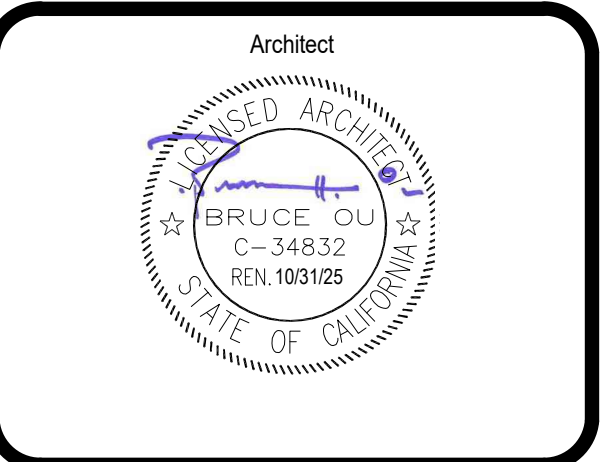
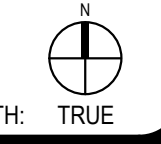
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GUIN FOSS ELEMENTARY SCHOOL

PROJECT ADDRESS:
 12712 Elizabeth Way,
 Tustin, CA 92780
 100% CONSTRUCTION DOCUMENT
 DSA APP. NO. XXXX DSA FILE NO. XXXX



CLIENT TUSD		
DATE 03/20/2024	PROJECT NUMBER 220513	
REVISIONS		
No.	Description	Date

100% CONSTRUCTION DOCUMENT
FIRE ALARM ENLARGED SITE PLAN

This document is for plan review only

FACP		BATTERY CALCULATION SHEET			
FACP (EX)		LOCATION: BUILDING B (A# 04-116022)			
QUANTITY		UNIT STANDBY	TOTAL STANDBY	UNIT ALARM	TOTAL ALARM
		CURRENT(A)	CURRENT(A)	CURRENT(A)	CURRENT(A)
EX 1	CONTROLS	0.2900	0.2900	0.5300	0.5300
EX 1	ANNUNCIATOR	0.0250	0.0250	0.0500	0.0500
EX 7	SMOKE DETECTOR	0.0020	0.0140	0.0460	0.3220
EX 7	HEAT DETECTOR	0.0020	0.0140	0.0460	0.3220
NEW 2	SMOKE DETECTOR	0.0002	0.0004	0.0020	0.0040
NEW 2	HEAT DETECTOR	0.0002	0.0004	0.0020	0.0040
EX 1	MONITOR MODULE	0.0040	0.0040	0.0050	0.0050
EX 1	CONTROL RELAY MODULE	0.0040	0.0040	0.6830	0.6830
SUB TOTAL			0.352		1.920
STANDBY CURRENT x 24 Hrs. (AH)				8.443 AH	
ALARM CURRENT x 15 MINUTES (AH)				0.480 AH	
TOTAL (AH)				8.923 AH	
25% DERATING				2.231 AH	
TOTAL DEMAND (AH)				11.153 AH	
MINIMUM AMP HOUR STANDBY BATTERY POWER REQUIRED				18 AH (EXISTING)	

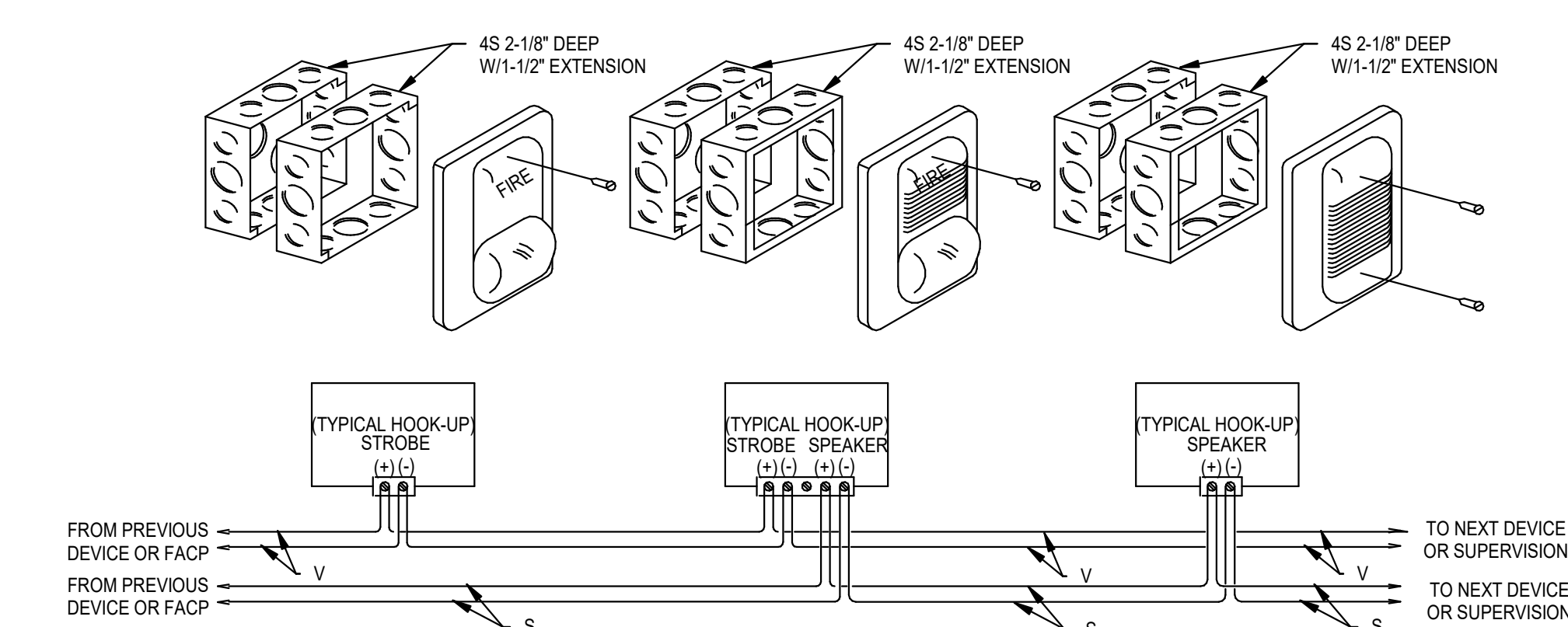
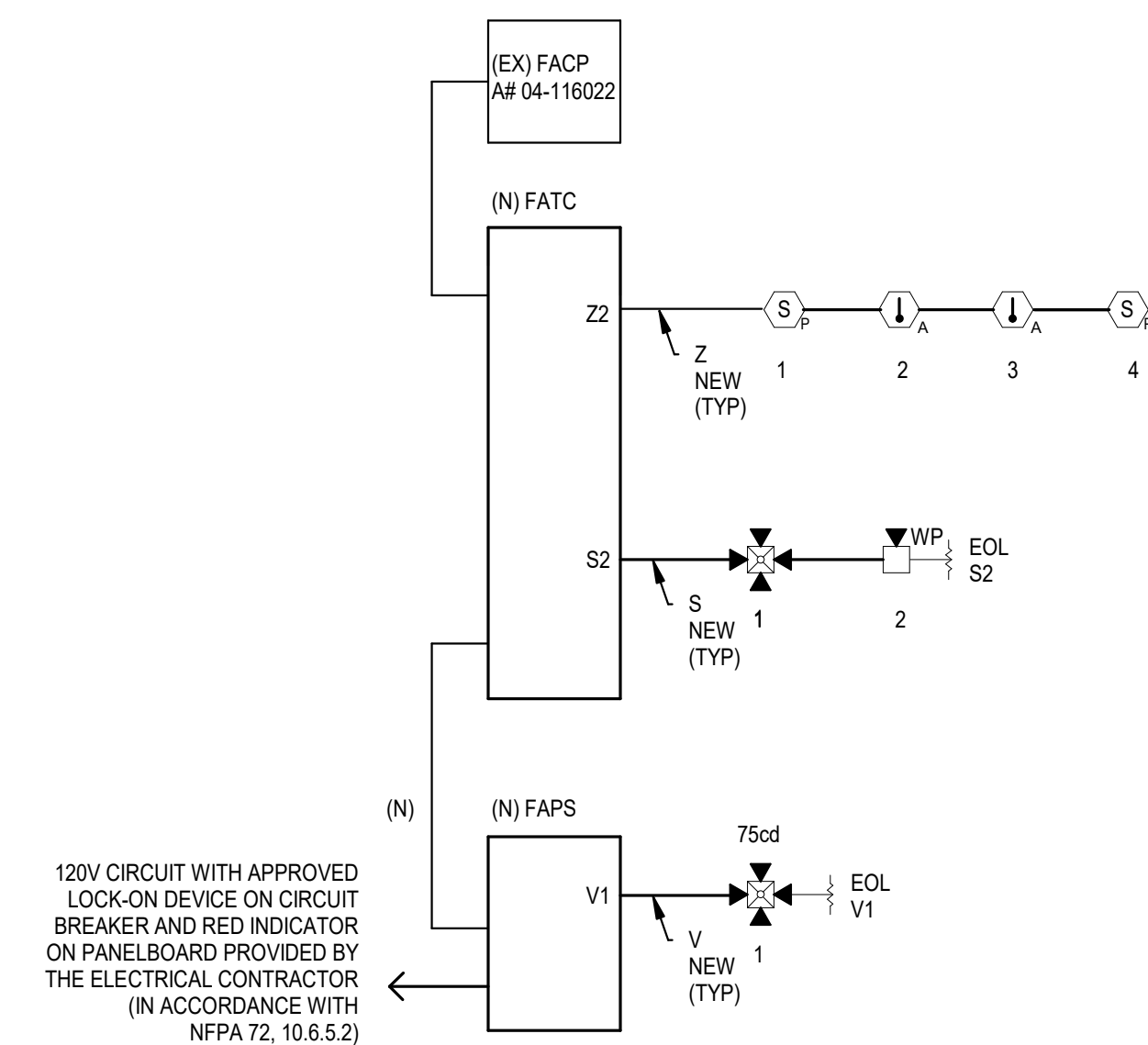
BATTERY CALCULATION SHEET		FACP (EX)			
(A# 04-116022)		UNIT STANDBY			
QUANTITY		CURRENT(A)	CURRENT(A)	CURRENT(A)	CURRENT(A)
1	AMPLIFIER	0.075	0.075	0.5300	0.5300
UPDATED 3	SPEAKER (1/2 W)	0.000	0.000	0.0071	0.0213
UPDATED 2	WP SPEAKER (2W)	0.000	0.000	0.0283	0.0566
SUB TOTAL			0.075		0.608
STANDBY CURRENT x 24 Hrs. (AH)				1.800 AH	
ALARM CURRENT x 15 MINUTES (AH)				0.152 AH	
TOTAL (AH)				1.952 AH	
25% DERATING				0.488 AH	
TOTAL DEMAND (AH)				2.440 AH	
MINIMUM AMP HOUR STANDBY BATTERY POWER REQUIRED				5 AH (EXISTING)	

STROBES WORST CASE VOLTAGE DROP									
PANEL NAME	CIRCUIT NUMBER	CEILING SPEAKER/STROBE				TOTAL CURRENT (AMPS)	TOTAL DISTANCE (FEET)	TOTAL VOLTAGE DROP (%)	TOTAL DEVICES
		15cd	30cd	75cd	95cd				
FAPS (N)	V1			1		0.142	40	0.08%	1
	V2					0.000		0.00%	0
	V3					0.000		0.00%	0
	V4					0.000		0.00%	0
TOTAL		0	0	1	0				

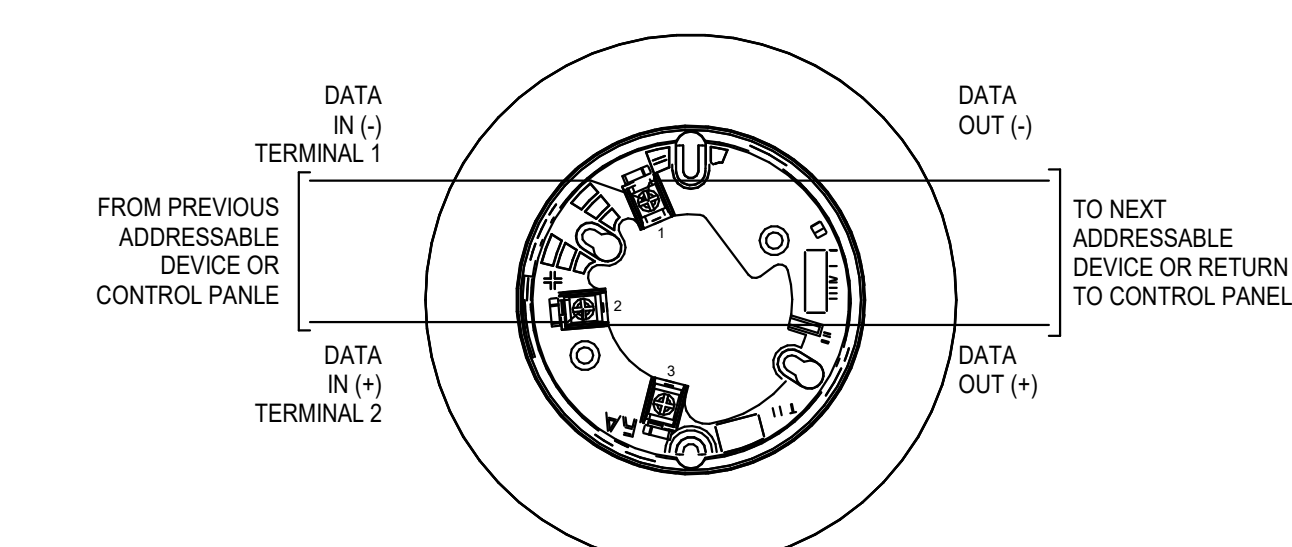
BATTERY CAPACITY CALCULATION SHEET		FAPS (N)			
LOCATION: NEW PORTABLE BUILDING		Unit Standby			
QUANTITY	Description	Current(A)	Current(A)	Current(A)	Current(A)
1	NAC TRIP	0.075	0.075	0.175	0.175
1	75cd ceiling speaker/strobe	0.000	0.000	0.142	0.142
Sub Total			0.075		0.317
A - Battery Backup - Standby (Hour)				24	
B - Battery Backup (minutes)				15	
C - Allowable Error (%)				25	
D - Total Standby Backup (Amp-Hour)				1.800	
E - Total Alarm Backup (Amp-Hour)				0.079	
F - Allowable Error (C x (D + E))				0.470	
Total Amp-Hour Required (D + E + F)				2.349	
Battery Submitted				7 Amp-Hour (NEW)	

SPEAKER CIRCUIT LOAD CALCULATION												
AMPLIFIER	CIRCUIT LOCATION	PANEL CIRCUIT NUMBER	WIRE GAUGE (18, 16, 14 OR 70 VIMS)	CIRCUIT VOLTAGE	APPLIANCES QUANTITIES / TAP VALUES				TOTAL CIRCUIT LOAD (WATTS)	ESTIMATED CIRCUIT LENGTH (FEET)	MFG. REC. MAXIMUM LOSS IS: -0.5dB	TOTAL RESISTANCE (OHMS)
					SPEAKER TAPPED AT 0.25 WATTS	SPEAKER TAPPED AT 0.5 WATTS	SPEAKER TAPPED AT 1 WATTS	SPEAKER TAPPED AT 2 WATTS				
FACP (AMP) - EX	NEW PORTABLE BUILDING	S2	14 AWG	70					2.50	450	-0.01	21.000
TOTAL									2.50			2.32

4 FIRE ALARM VOLTAGE DROP AND BATTERY CALCULATIONS
NOT TO SCALE



2 SPEAKER/STROBE DETAIL
NOT TO SCALE



1 SMOKE/HEAT DETECTOR DETAIL
NOT TO SCALE

3 FIRE ALARM RISER DIAGRAM
NOT TO SCALE

Not for permitting or construction



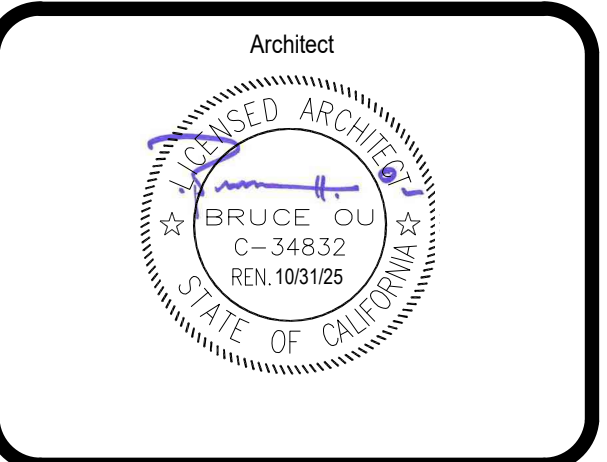
ARCHITECT ANAHEIM PBK Architects, Inc.
2400 East Katella Ave, Suite 950
Anaheim, CA 92806
P-949-548-5000

CONSULTANT LEAF ENGINEERS
8163 Rochester Avenue, Suite 100
Rancho Cucamonga, CA 91730
909.987-0909
leafengineers.com

GUIN FOSS ELEMENTARY SCHOOL

PROJECT ADDRESS:
12712 Elizabeth Way,
Tustin, CA 92780

100% CONSTRUCTION DOCUMENT
DSA-APPL. NO. XXXX DSA-FILE NO. XXXX



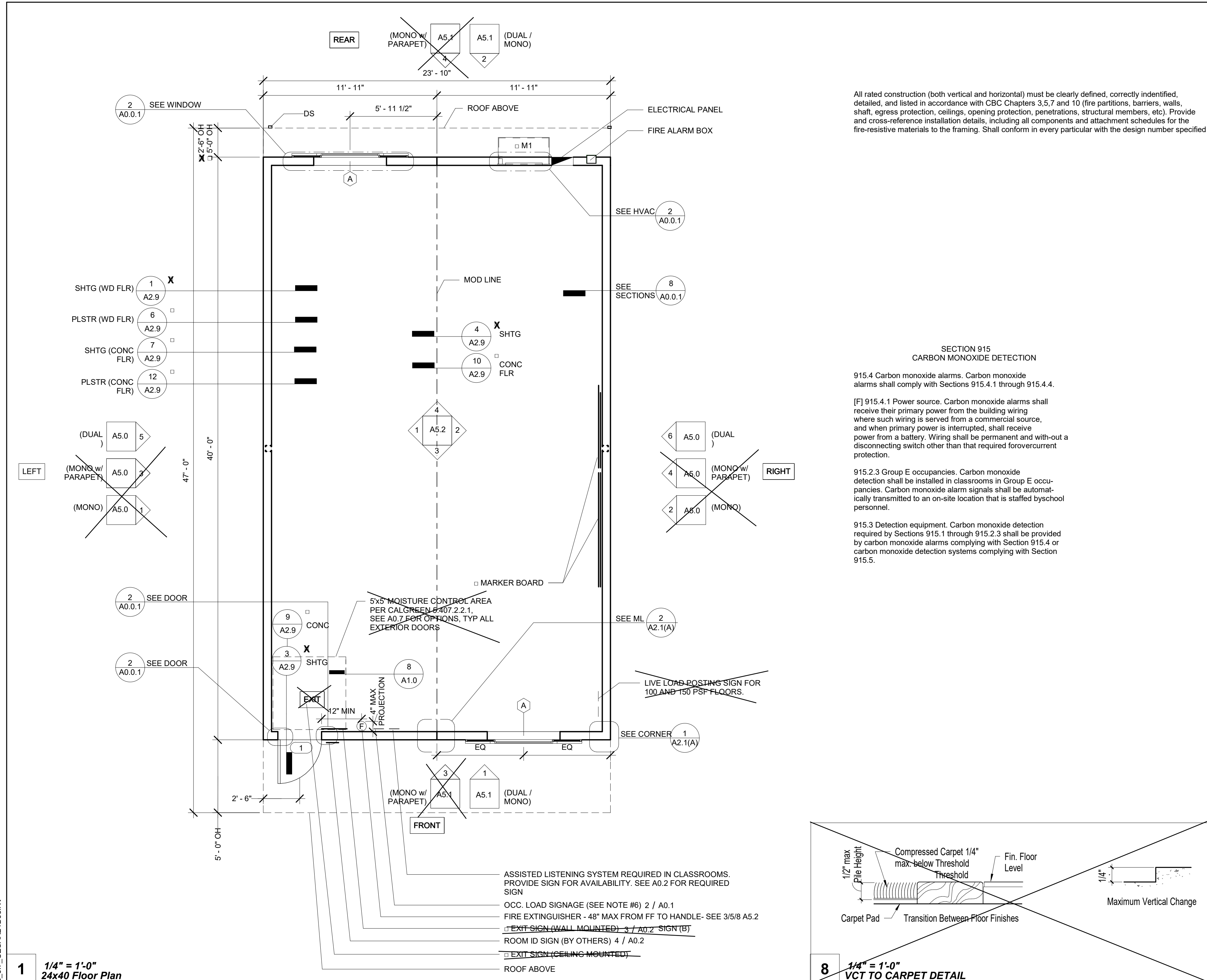
CLIENT		TUSD	
DATE	PROJECT NUMBER	DATE	PROJECT NUMBER
03/20/2024	220513		
No.	Description	Date	

100% CONSTRUCTION DOCUMENT

FIRE ALARM DETAILS

FA6.01

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All rated construction (both vertical and horizontal) must be clearly defined, correctly identified, detailed, and listed in accordance with CBC Chapters 3.5.7 and 10 (fire partitions, barriers, walls, shaft, egress protection, ceilings, opening protection, penetrations, structural members, etc). Provide and cross-reference installation details, including all components and attachment schedules for the fire-resistive materials to the framing. Shall conform in every particular with the design number specified

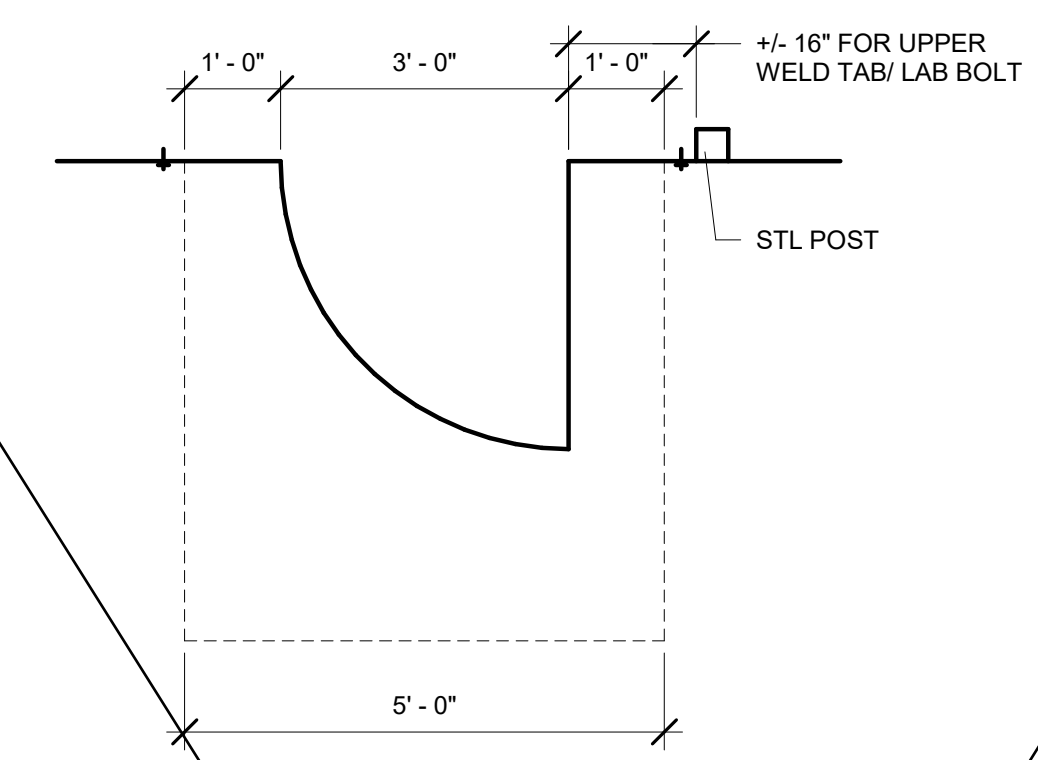
**SECTION 915
CARBON MONOXIDE DETECTION**

915.4 Carbon monoxide alarms. Carbon monoxide alarms shall comply with Sections 915.4.1 through 915.4.4.

[F] 915.4.1 Power source. Carbon monoxide alarms shall receive their primary power from the building wiring where such wiring is served from a commercial source, and when primary power is interrupted, shall receive power from a battery. Wiring shall be permanent and with-out a disconnecting switch other than that required for overcurrent protection.

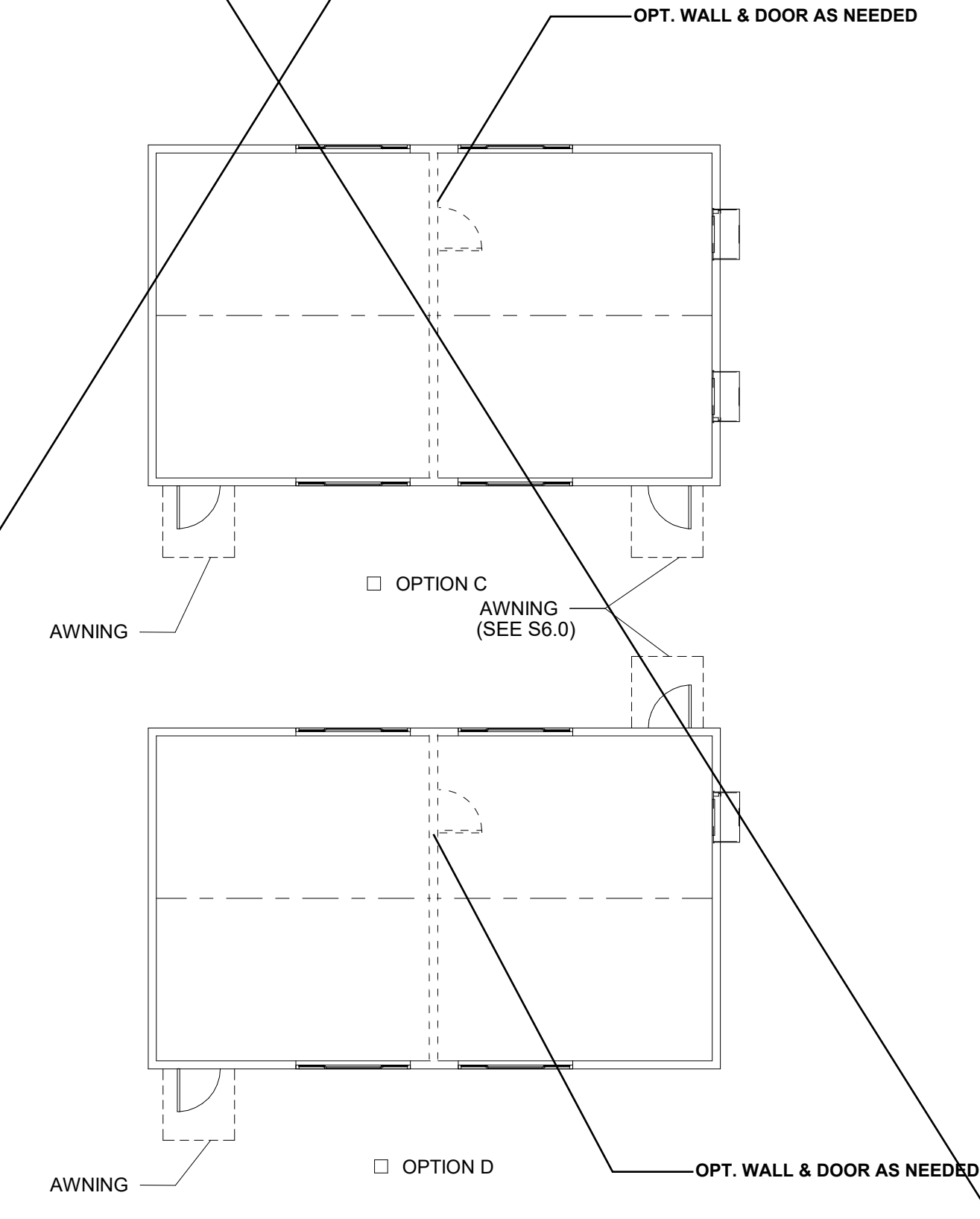
915.2.3 Group E occupancies. Carbon monoxide detection shall be installed in classrooms in Group E occupancies. Carbon monoxide alarm signals shall be automatically transmitted to an on-site location that is staffed by school personnel.

915.5 Detection equipment. Carbon monoxide detection required by Sections 915.1 through 915.2.3 shall be provided by carbon monoxide alarms complying with Section 915.4 or carbon monoxide detection systems complying with Section 915.5.

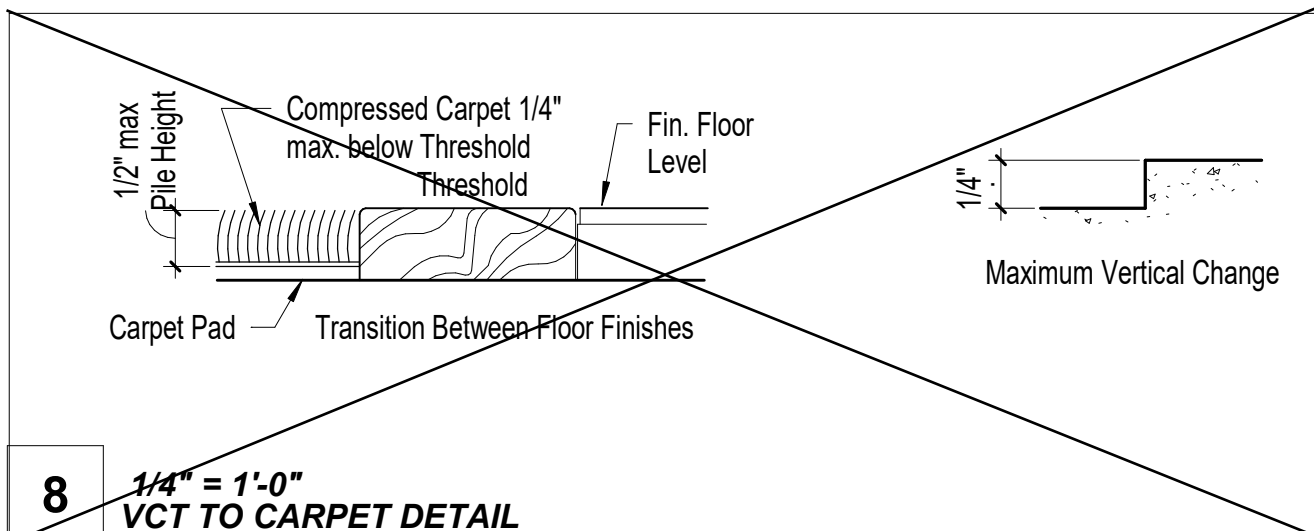


7 1/2" = 1'-0" AWNING

FOR AWNING SEE 7 / A1.0



6 1" = 10'-0" 24X60 FLOOR PLAN OPTIONS



8 1/4" = 1'-0" VCT TO CARPET DETAIL

1 1/4" = 1'-0" 24x40 Floor Plan

Wall Schedule			
Stud Size	Sheet	Notes	
X Wood Wall Stud	S4.5		
FOR BURNING CHARACTERISTIC SEE 3 / A0.1			

Fire Rating Schedule			
Rating	Sheet	Notes	
1 HOUR - SIDING OVER WD STUDS	A2.5		X
1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.6		
SEE A3.0 FOR ADDITIONAL FIRE ASSEMBLY NOTES AND DETAILS			

Ext. Finish Schedule			
Finishes	Sheet	Notes	
SIDING OVER WD STUDS	A2.1		X
PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.2		

Roofing Schedule					
"SLOPE"	EDPM	Standing Seam	Parapet	Notes	
Dual	<input type="checkbox"/> A4.2.2	X A4.0.2	N/A		
Mono	<input type="checkbox"/> A4.2.1	<input type="checkbox"/> A4.0.1	<input type="checkbox"/> A4.4.1		

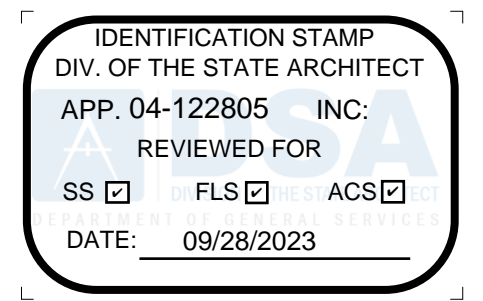
HVAC Unit		
Keynote	Type	Type Comments
X M1	Wall Mounted HVAC	See (M)-Sheets
<input type="checkbox"/> M2	Roof Mounted HVAC	See (M)-Sheets

5 1/4" = 1'-0" Wall Schedule

4 1/4" = 1'-0" Fire Rating Schedule

3 1/4" = 1'-0" Ext. Finish Schedule

PROJECT SPECIFIC STATE AGENCY APPROVAL



PROFESSIONAL STAMP

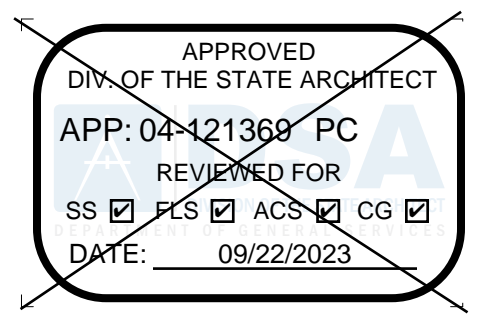


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CLIENT



ORIGINAL PC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
24x40 FLOOR PLAN

PROJECT NUMBER

22088

DRAWN BY
rMc/SC

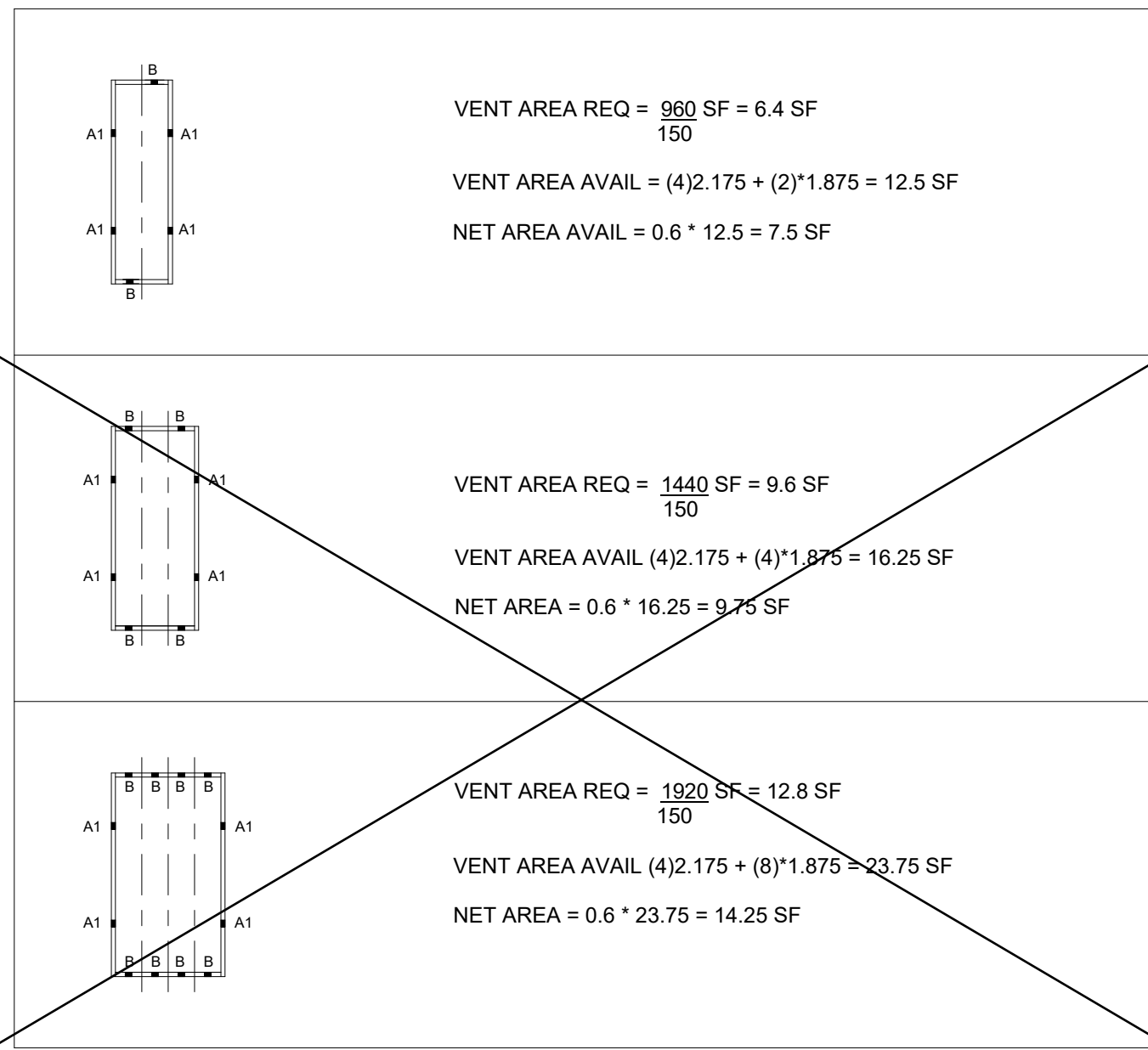
CHECKED BY
RH/RT

DATE

SHEET NO.

A1.0

SHEET OF



NOTE: WOOD FOUNDATION EXPANDABLE TO 48x40

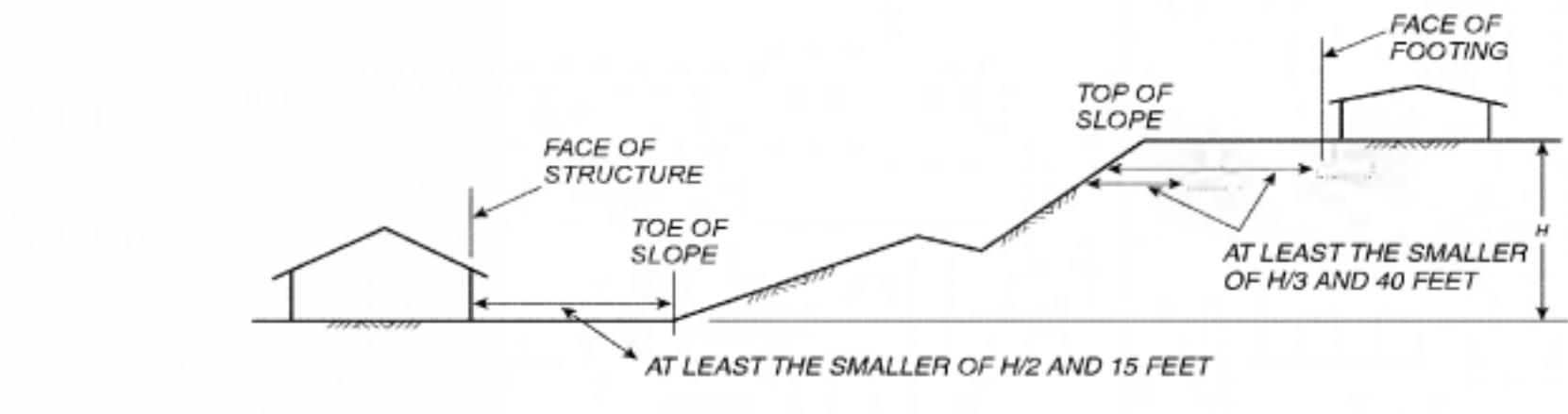


FIGURE 1808.7.1
FOUNDATION CLEARANCES FROM SLOPES

- WOOD FOUNDATION CONSTRUCTION IS ALLOWED FOR BUILDINGS WITH 2160 AND UNDER.
- SILL PLATES SHALL BE OF FOUNDATION GRADE REDWOOD OR PRESERVATIVE PRESURE TREATED MATERIAL AND IS ALLOWED TO REST DIRECTLY ON SOIL PAVEMENT. MATERIALS ABOVE THE SILL PLATES ARE NOT CONTROLLED BY REQUIREMENT.
- VENTS THAT OCCUR INSIDE RAMP BOUNDARIES SHALL REQUIRE A VENT OF EQUAL SIZE AT RAMP SKIRTING.
- TO PREVENT SLIDING, A 1 INCH G.S. SCHEDULE 40 PIPE (1.315" ACTUAL O.D.) SHALL BE ATTACHED TO SILL PLATE AND ANCHORED INTO THE EARTH W/ 12" MIN EMBEDMENT (PROJECTED VERTICALLY) @ 10' - 0" MAX O.C. AND SHALL BE LOCATED A MAXIMUM OF 2'-0" FROM CORNERS
- STACKED FOUNDATION MEMBERS SHALL BE FASTENED TO ONE ANOTHER W/ CORROSION RESISTANT NAILS.
- WOOD FOUNDATION HAVE BEEN DESIGNED FOR AN ALLOWABLE BEARING PRESSURE OF 1,000 PSF IN ABSENSE OF A SOILS INVESTIGATION REPORT PROVIDED BY A LICENSED GEOTECHNICAL ENGINEER.
- REFER TO ARCHITECT'S SITE PLAN FOR DRAINAGE.

3 1/4" = 1'-0"
FOUNDATION SETBACKS

KEY PLAN VENTING SCHEDULE	
VENT "A1" (SIDEWALL):	3'-6" x 7'-5" = 2,188 SF VENTILATION AVAILABLE
VENT "B" (ENDWALL):	3'-0" x 7'-5" = 1,875 SF VENTILATION AVAILABLE

SEE 2/F1.40 FOR REFERENCE

7 1/4" = 1'-0"
NOTES FOR 50+15

(2) 16d NAILS SILL TO BASE CONNECTION FOR 50+15 SEE 7 / F1.10			
	ENDWALL	SIDEWALL	SEPERATION
24x40	7" O.C	12" O.C	12" O.C
36x40	7" O.C	12" O.C	12" O.C
48x40	7" O.C	12" O.C	12" O.C

9 1/4" = 1'-0"
KEY PLAN VENTING SCHEDULE FOR 50+15 PSF

WOOD FOUNDATION PLATE SCHEDULE								
50 + 15 PSF								
PLATES	END WALL	SIDE WALL	MODLINE ENDS	MODLINE INTERIOR	ML "B" ENDS	ML "B" INTERIOR	SEPERATION ENDS	SEPERATION INTERIOR
BOOSTER	2x4	2x4	2x6	2x6	2x8	2x8	2x4	2x4
TOP	2x6	2x6	2x8	2x8	2x10	2x10	2x6	2x6
BASE	2x8	2x8	2x10	2x10	2x12	2x12	2x8	2x8
SILL	2x12	2x12	(6) 2x12, 24" LONG	(6) 2x12, 24" LONG	(8) 2x12, 24" LONG	(8) 2x12, 24" LONG	2x12	2x12

* MODLINE "B" - MODLINE W/ EXT. WALLS BACK-TO-BACK SEE F1.14

6 1/4" = 1'-0"
NAILING SCHEDULE FOR 50+15

TIE PLATE SCHEDULE		
	END WALL	SIDE WALL
24x40	5	3
36x40	7	3
48x40	10	3

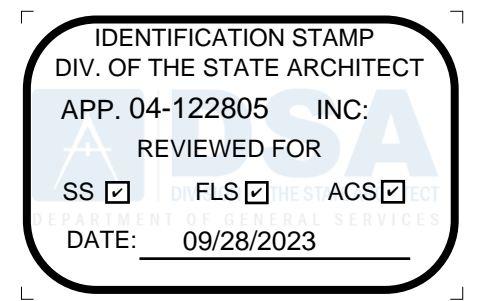
4 1/4" = 1'-0"
TIE PLATE SCHEDULE FOR 50+15

8 1/4" = 1'-0"
WOOD FOUNDATION PLATE SCHEDULE FOR 50+15

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1 50+15 VENTING LAYOUT

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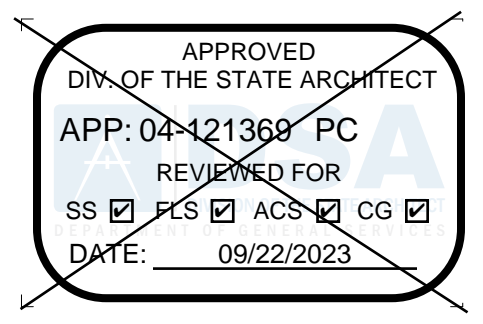


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ORIGINAL PC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC:24' x 40'
EXPANDABLE TO
120' x 40'

SHEET TITLE
WOOD FOUNDATION NOTES SCHED FOR BLDG W/ 50+15

PROJECT NUMBER
22088

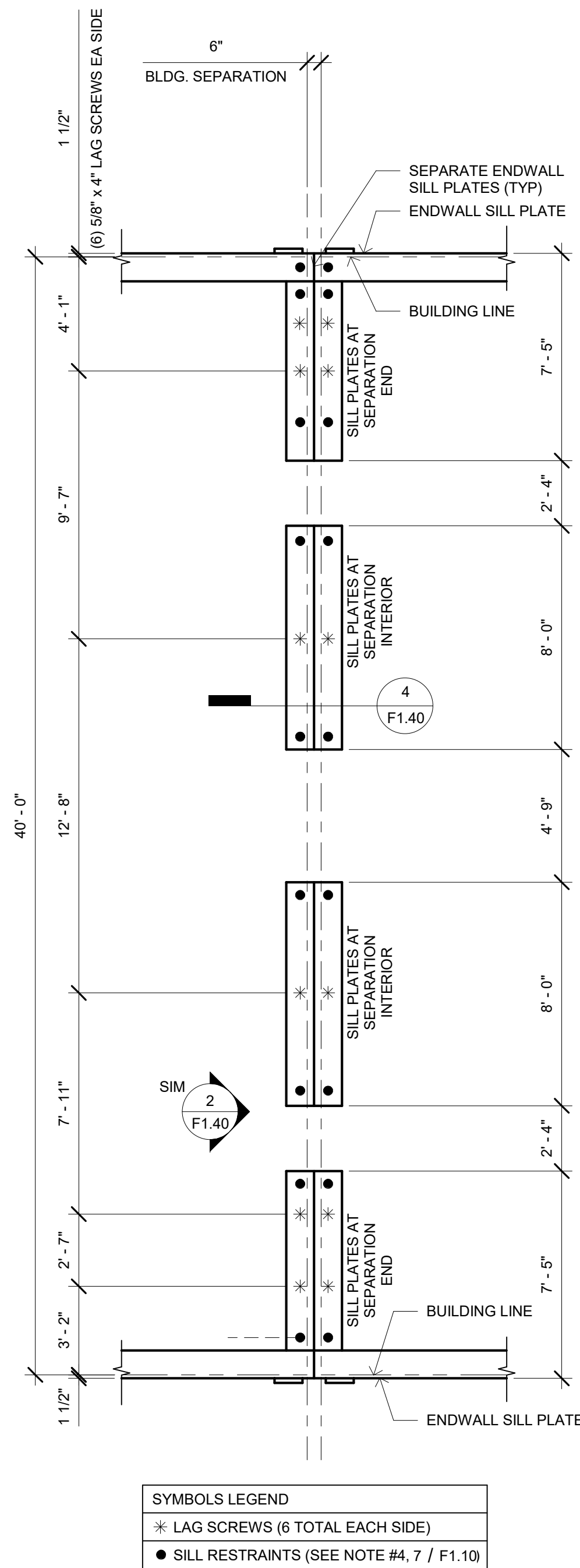
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rMc/SC

CHECKED BY
JA/RT

DATE

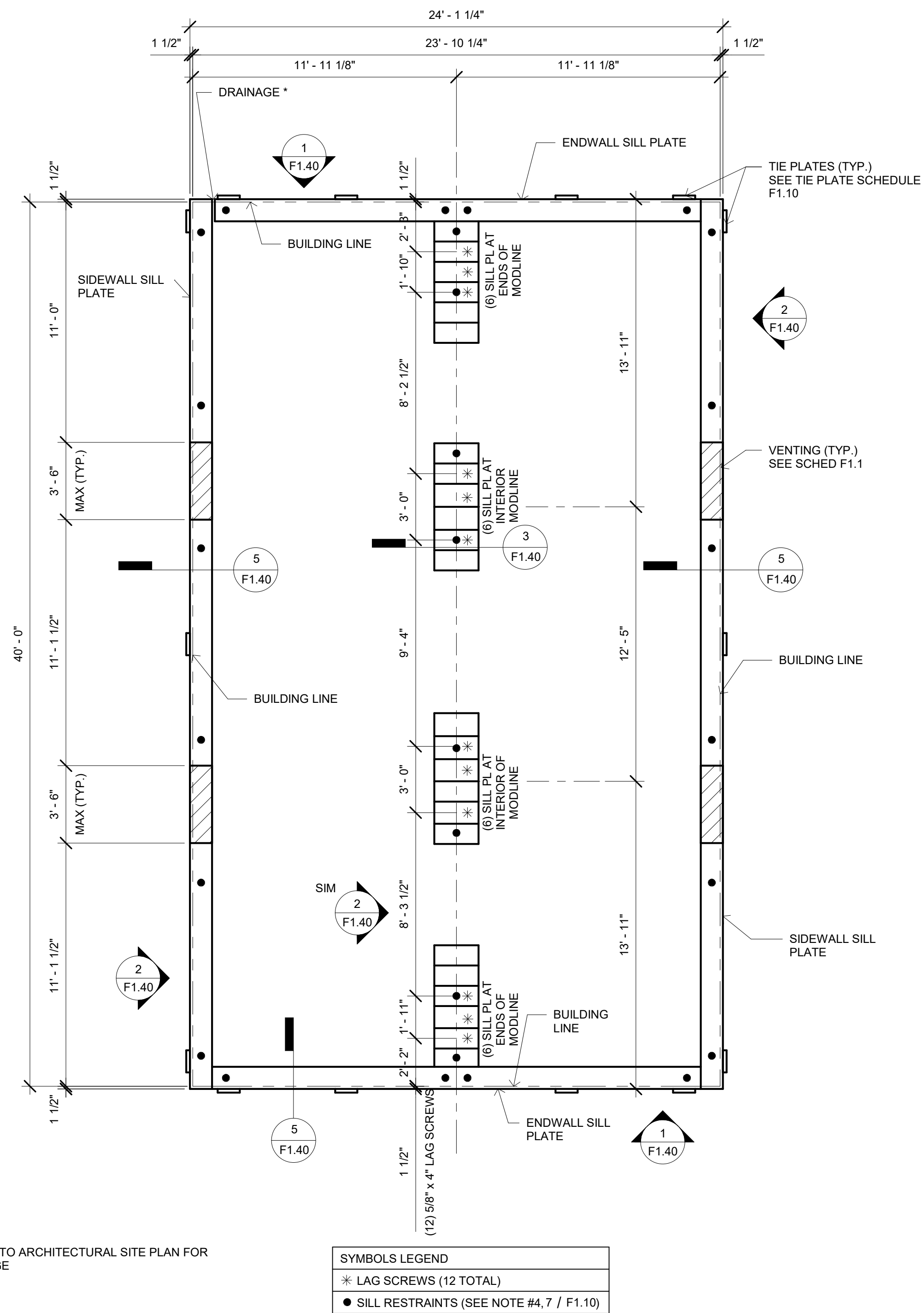
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F1.10

SHEET OF

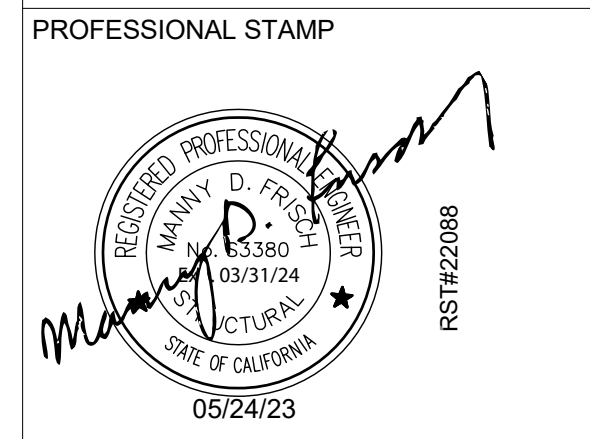
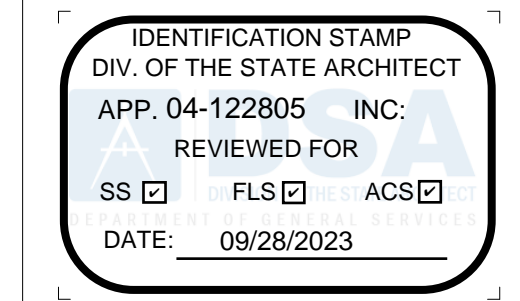


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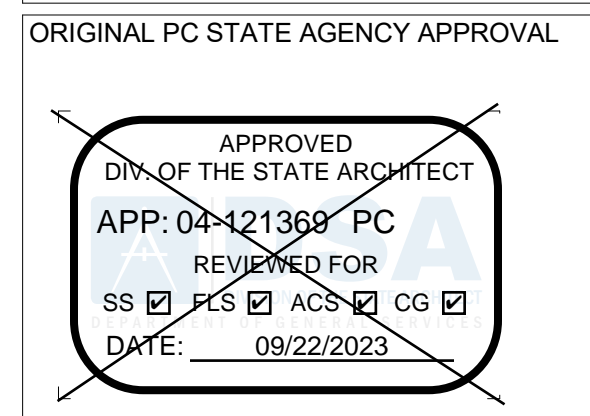
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Revision Schedule		
#	Description	Date

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC:24' x 40'
EXPANDABLE TO
120' x 40'

SHEET TITLE
WOOD
FOUNDATION
PLAN 24x40 BLDG
W/ 50+15

PROJECT NUMBER
22088

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DATE

SHEET NO.
F1.11

SHEET OF

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6/16/2021 7:44:53 AM

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP. 04-122805 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 09/28/2023

R&S TAVARES ASSOCIATES
 DESIGN & CONSULTING & PROJECT MGT
 11500 W BERNHARD COURT, SUITE 100
 SAN DIEGO, CA 92127
 WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ARCHITECT
 MANNY D. FRIEDL
 65380
 03/31/24
 CALIFORNIA
 STATE OF CALIFORNIA
 05/24/23
 RST#22088

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Class Leasing
 1320 W. Oleander Ave, Perris CA 92571-7408
 VOICE (951) 943-1908 Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
 DIV. OF THE STATE ARCHITECT
 APP. 04-121368 PC
 REVIEWED FOR
 SS FLS ACS CG
 DATE: 09/22/2023

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT
 Code: 2022 CBC
 A separate project application for construction is required

PROJECT TITLE
**PC 2022 CBC:24' x 40'
 EXPANDABLE TO
 120' x 40'**

SHEET TITLE
**MODLINE "B" W/
 EXTERIOR WALLS
 BACK-TO-BACK 50+15
 PSF**

PROJECT NUMBER
 22088

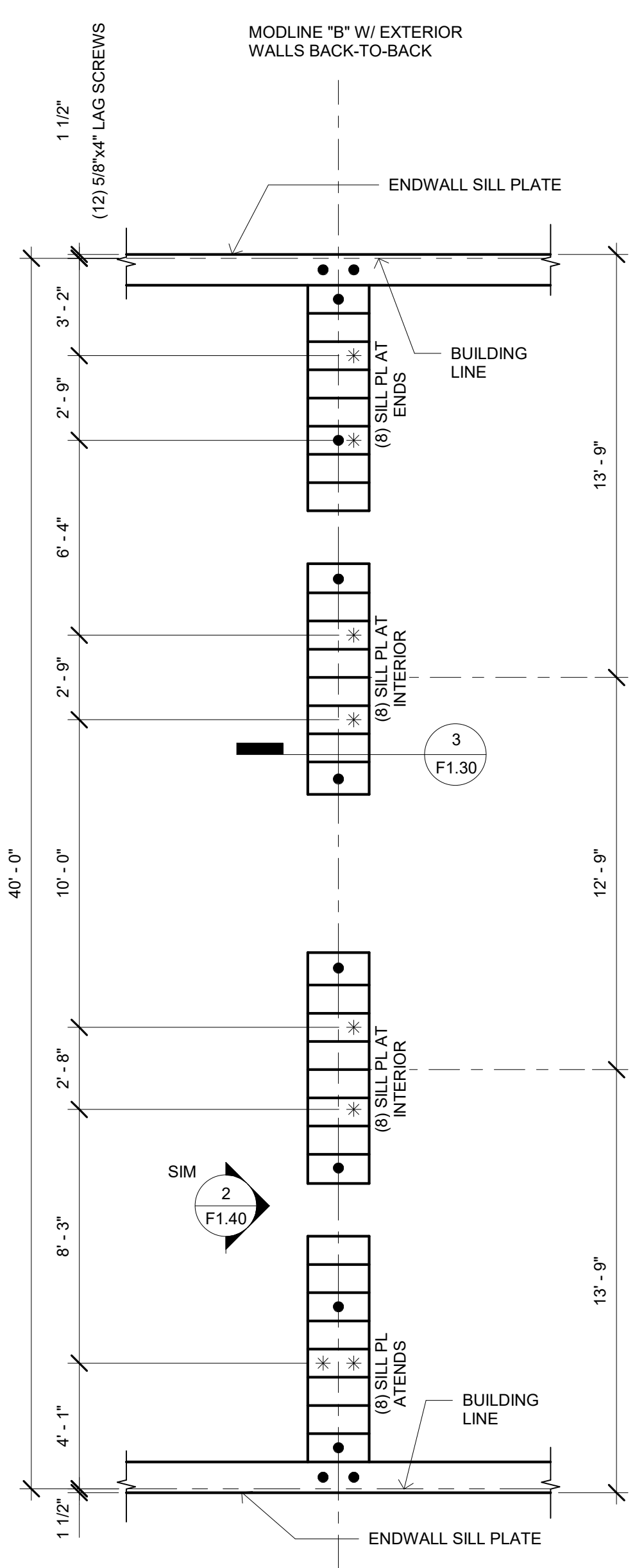
DRAWN BY
 rMc/SC

CHECKED BY
 JA/RT

DATE

SHEET NO.
F1.14

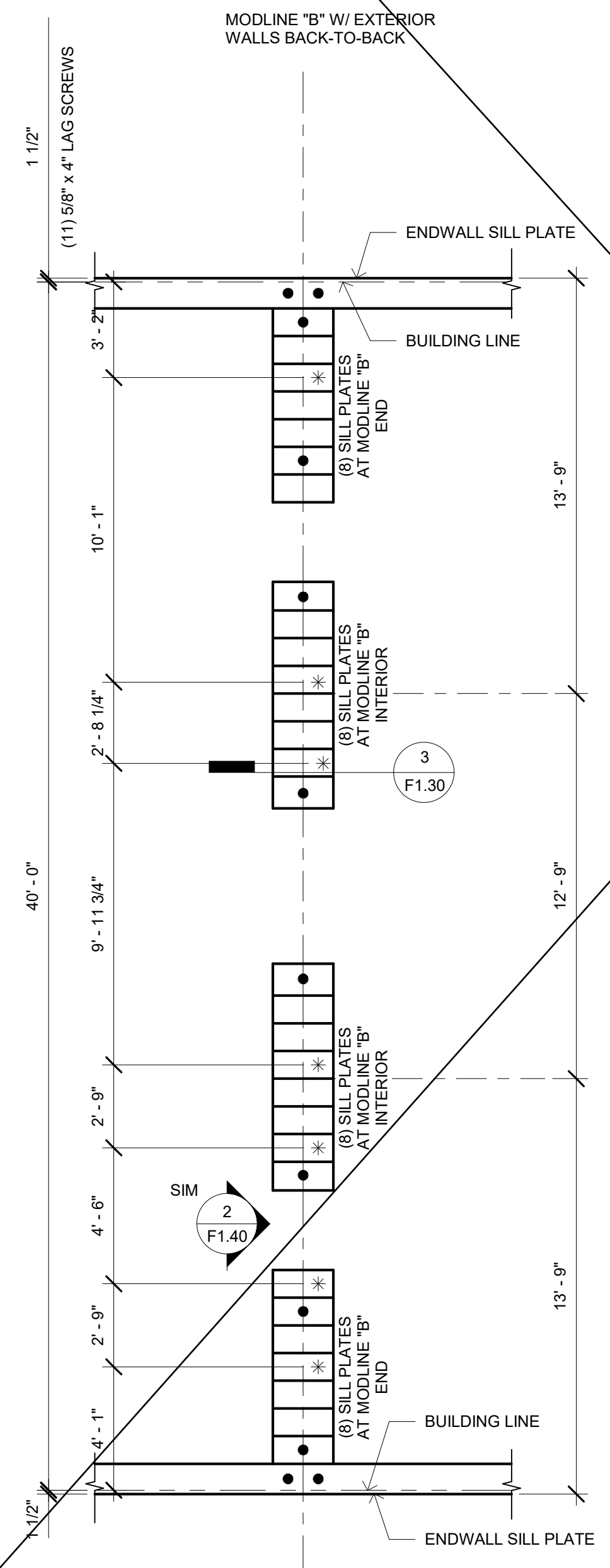
SHEET OF



SYMBOLS LEGEND
 * LAG SCREWS (12 TOTAL)
 ● SILL RESTRAINTS (SEE NOTE #4.7 / F1.10)

NOTE: IT IS ONLY APPROPRIATE WHERE ADJACENT MODULE IS BOLTED AND DOES NOT EXCEED 36 FEET WIDE TOGETHER (2160 SF. TOTAL AREA)

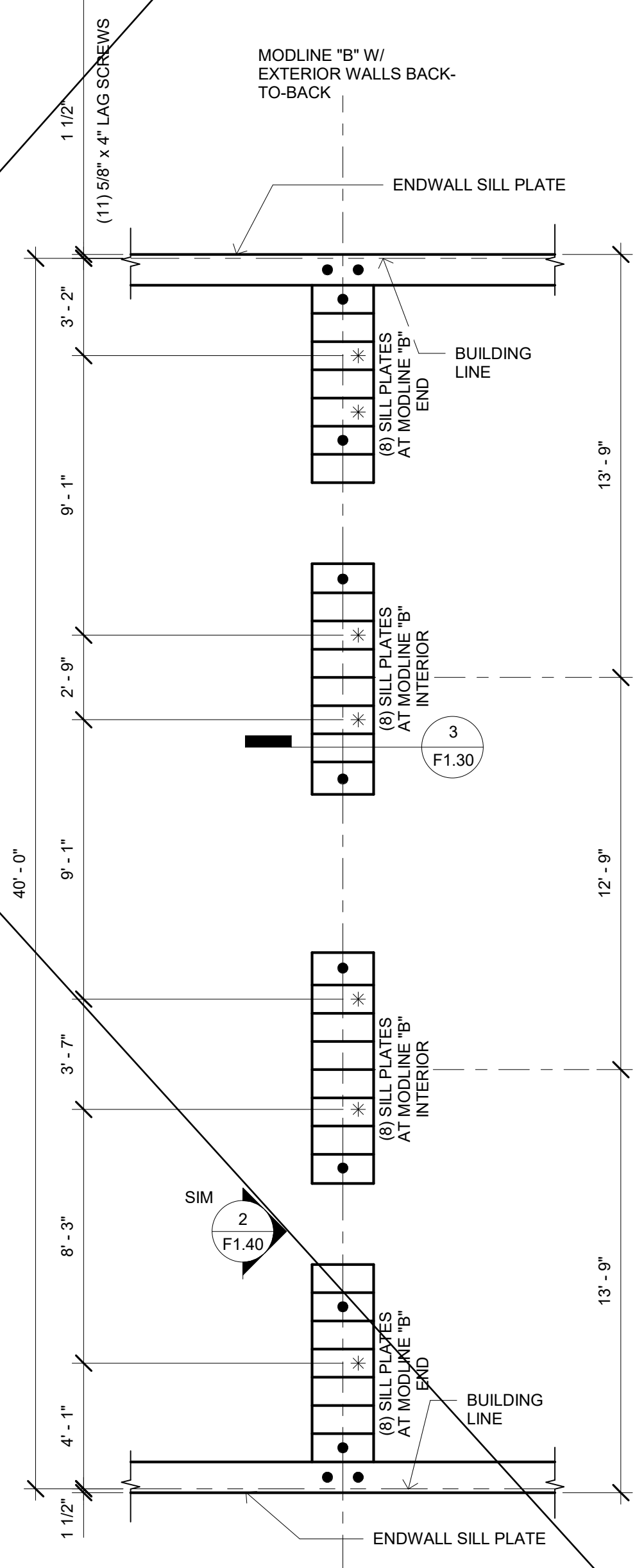
1 1/4" = 1'-0"
 FOOTING AT MODELINE TYPE "B", 24x40



SYMBOLS LEGEND
 * LAG SCREWS (11 TOTAL)
 ● SILL RESTRAINTS (SEE NOTE #4.7 / F1.10)

NOTE: IT IS ONLY APPROPRIATE WHERE ADJACENT MODULE IS BOLTED AND DOES NOT EXCEED 36 FEET WIDE TOGETHER (2160 SF. TOTAL AREA)

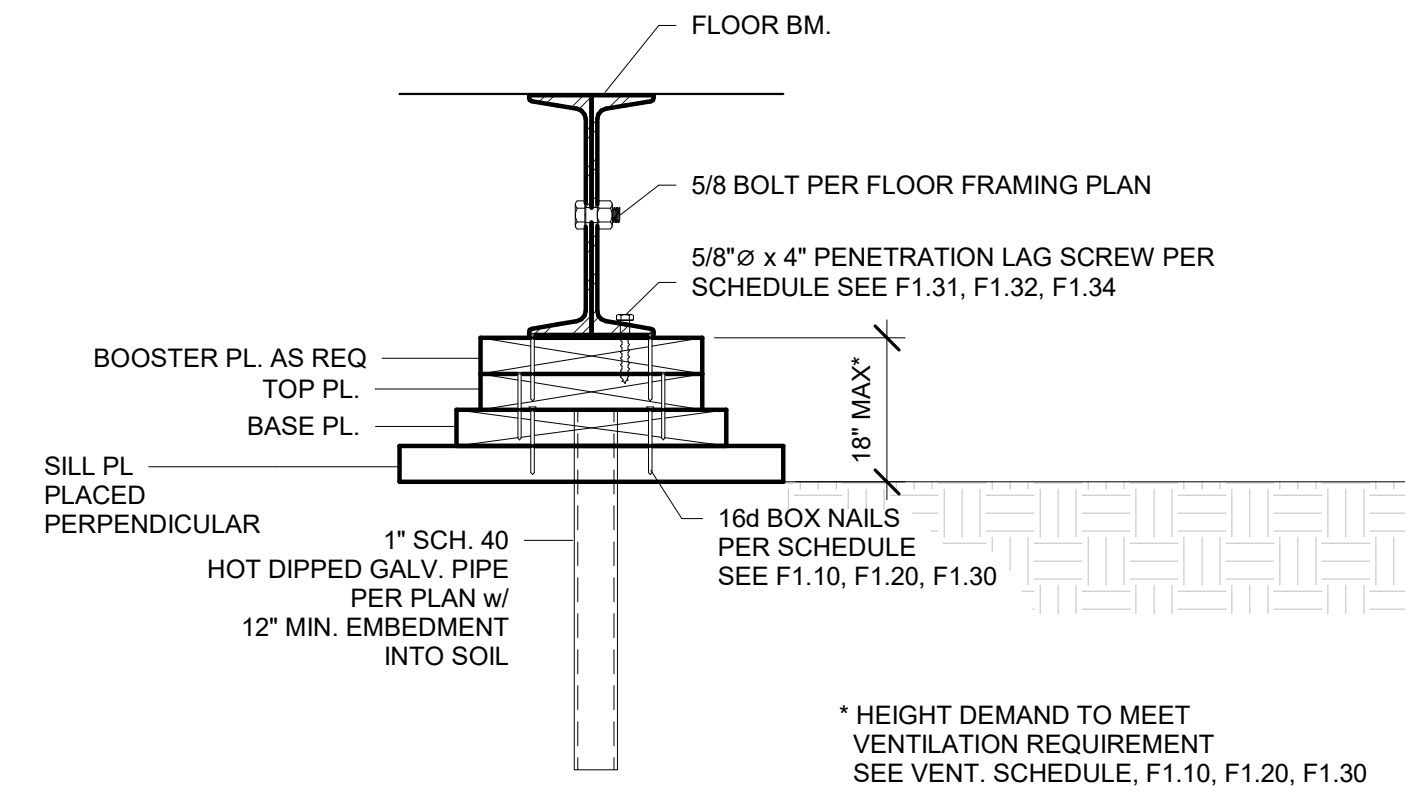
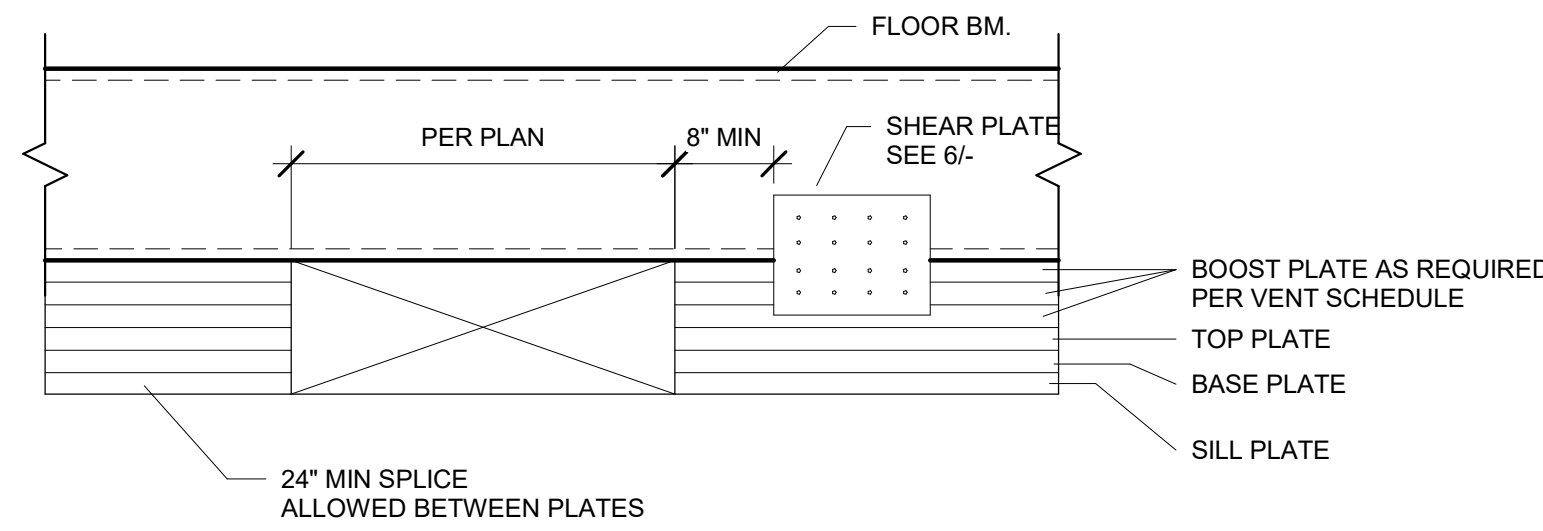
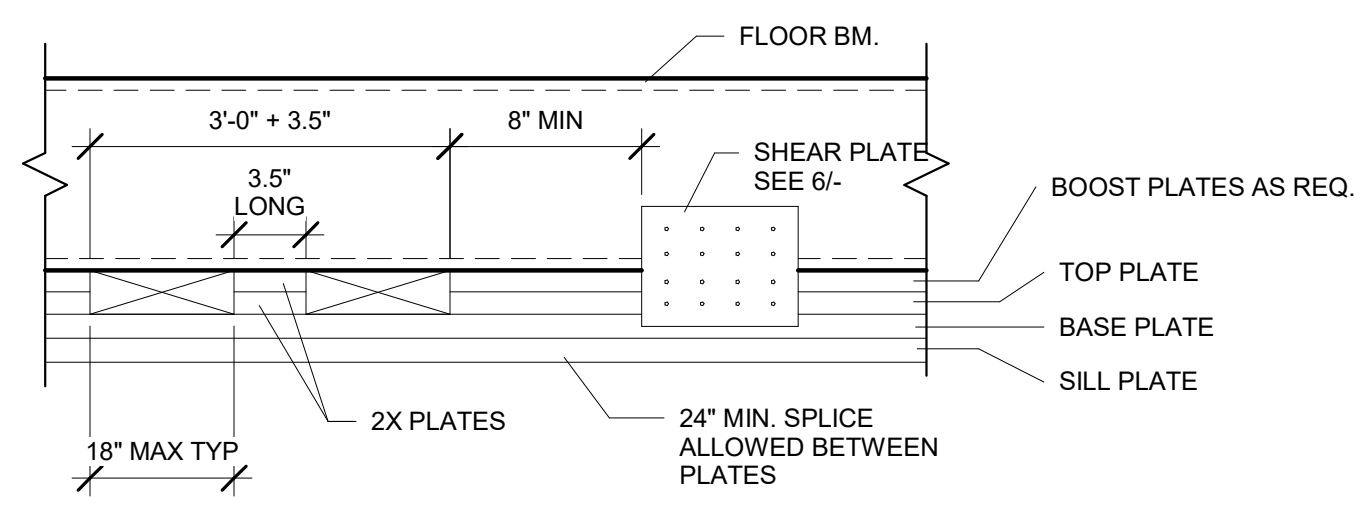
2 1/4" = 1'-0"
 FOOTING AT MODELINE TYPE "B", 36x40



SYMBOLS LEGEND
 * LAG SCREWS (11 TOTAL)
 ● SILL RESTRAINTS (SEE NOTE #4.7 / F1.10)

NOTE: IT IS ONLY APPROPRIATE WHERE ADJACENT MODULE IS BOLTED AND DOES NOT EXCEED 36 FEET WIDE TOGETHER (2160 SF. TOTAL AREA)

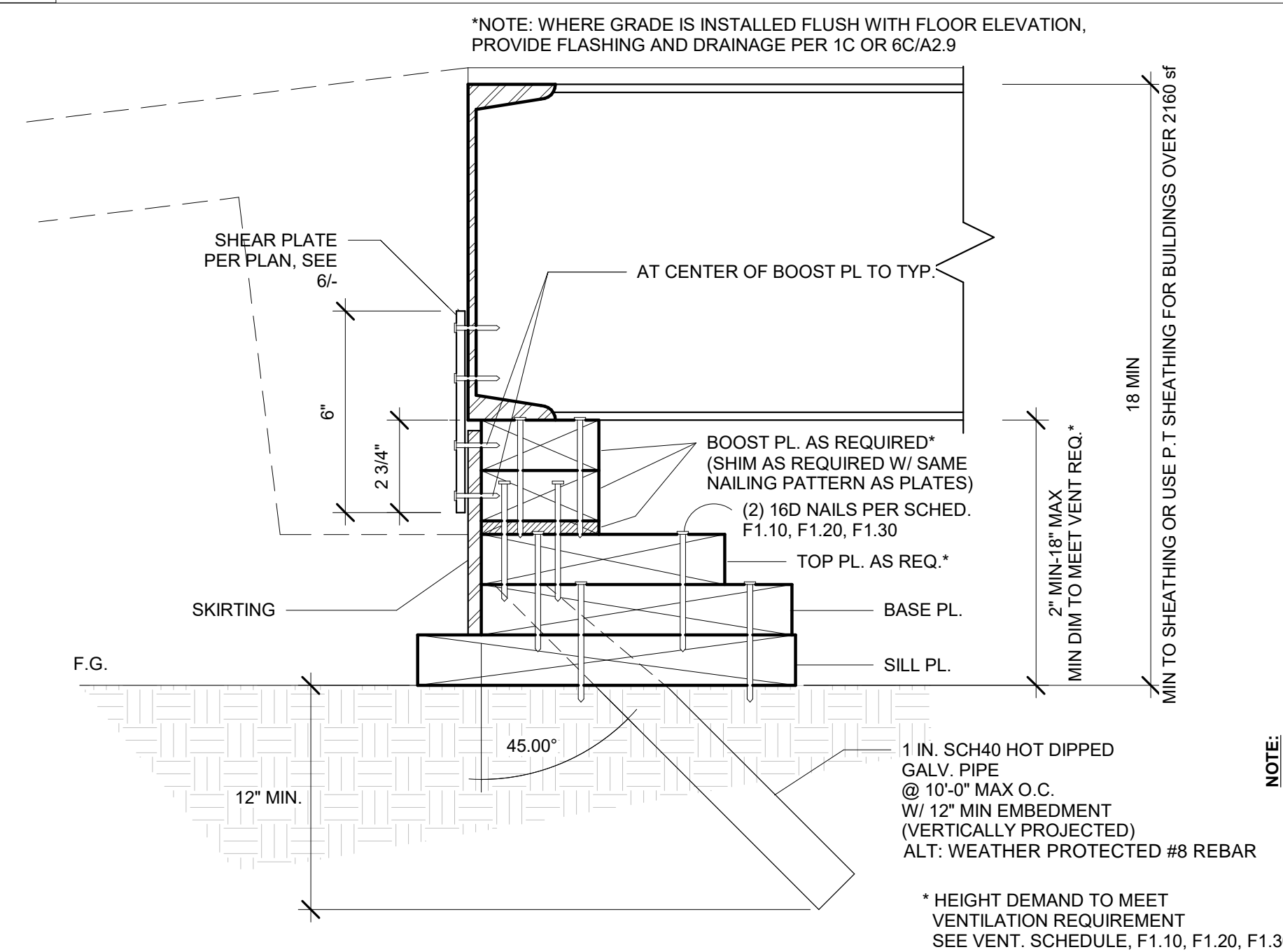
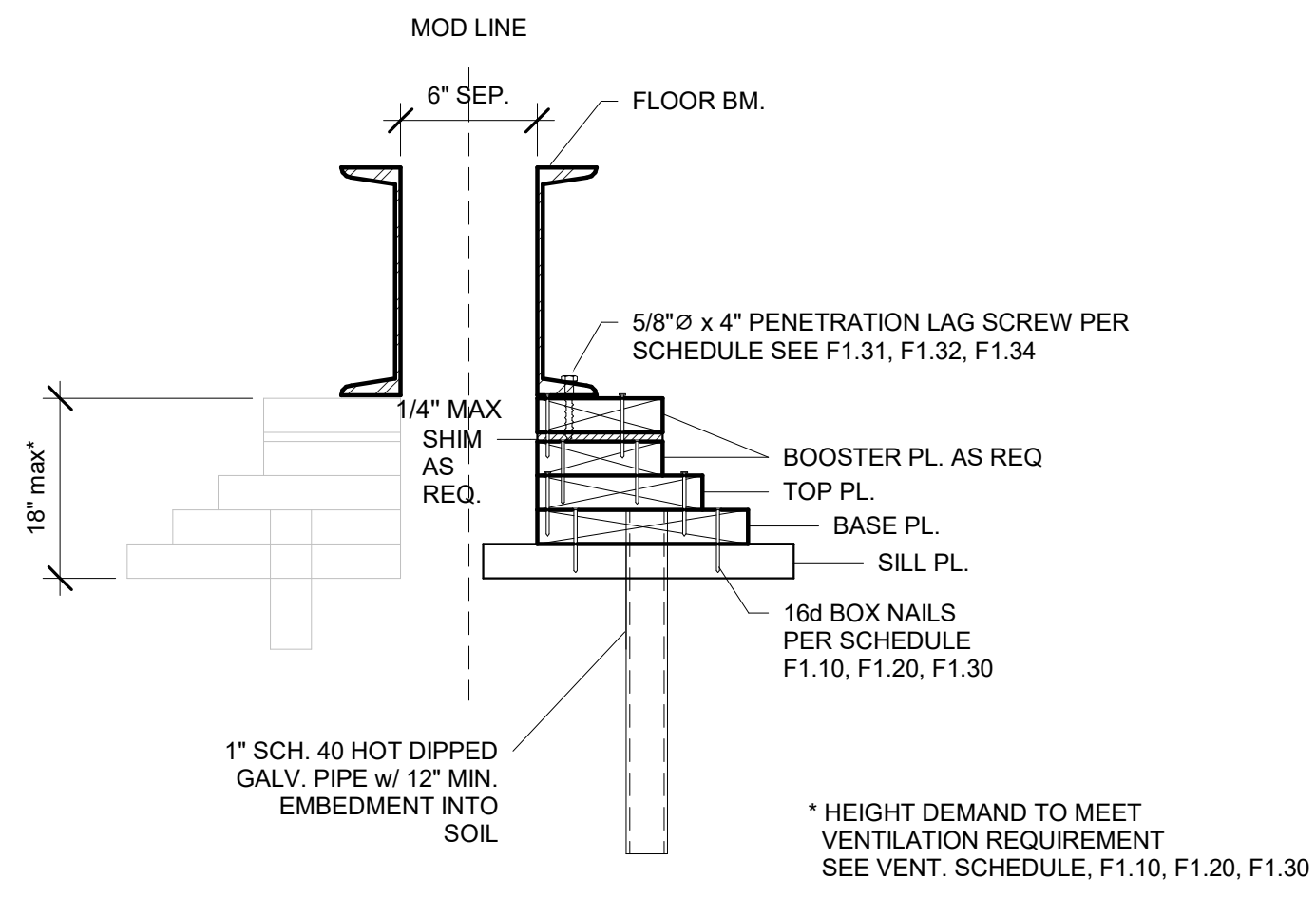
3 1/4" = 1'-0"
 FOOTING AT MODELINE TYPE "B", 48x40



1 1 1/2" = 1'-0"
VENT OPENING OVER BASE PLATE

2 1 1/2" = 1'-0"
VENT OPENING @ SIDEWALL OR MODLINE @ SEPERATION

3 1 1/2" = 1'-0"
FOUNDATION PAD AT MOD LINE

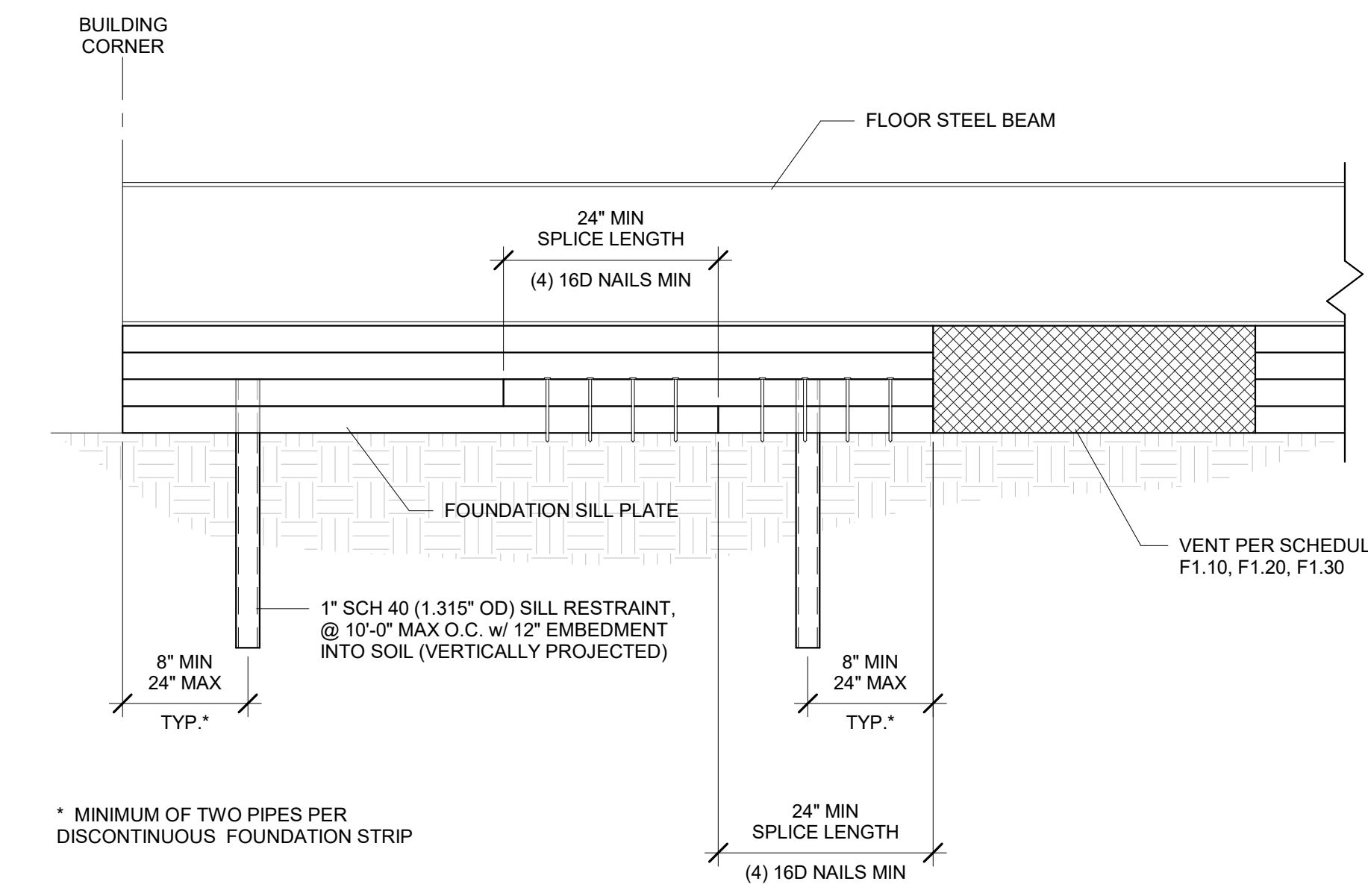


NOTE: (BASED ON DSA IR-16-1 SECTIONS 2.2.3, 2.3 AND 2.4. ANY BUILDING UNDER 2160 SQFT MAY BE LOWER THAN 18" THE REQUIREMENT FOR PRESERVATIVE FLOOR FINISHES SHALL BE OBSERVED AND THE CLIENT'S APPOINTED AGENT WILL BE SUBMITTED FOR APPROVAL BY THE CLIENT'S APPOINTED AGENT.)

4 1 1/2" = 1'-0"
FOUNDATION PAD AT SEPERATION

5 3" = 1'-0"
SILL PLATE PROFILE

6 3" = 1'-0"
SHEAR PLATE



7 1 1/2" = 1'-0"
Splice at Sills

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-122805 INC.
REVIEWED FOR
SS FLS ACS
DATE: 09/28/2023

R&S TAVARES ASSOCIATES
DESIGN & CONSULTING PROJECT MEET
11500 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ARCHITECT
MANNY D. FLORES
03380
03/31/24
CALIFORNIA
STATE OF CALIFORNIA
05/24/23
RST#22088

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CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP. 04-121368 PC
REVIEWED FOR
SS FLS ACS CG
DATE: 09/22/2023

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC:24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
WOOD FOUNDATION DETAILS

PROJECT NUMBER
22088

DRAWN BY
rMc/SC

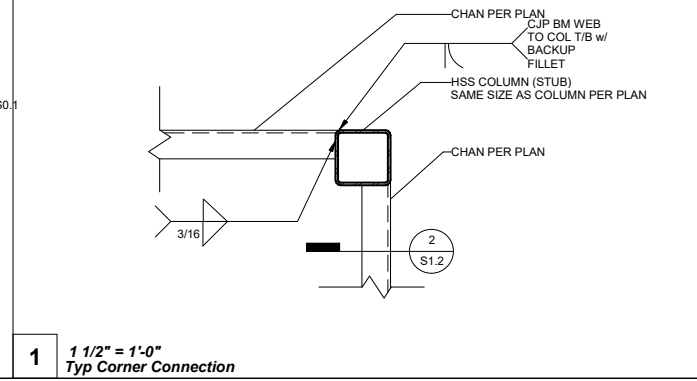
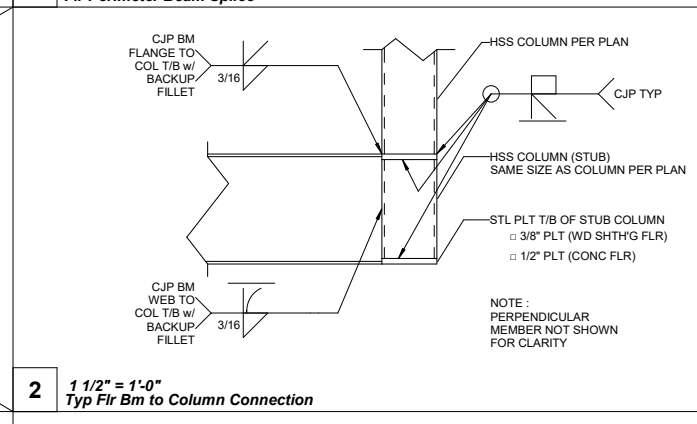
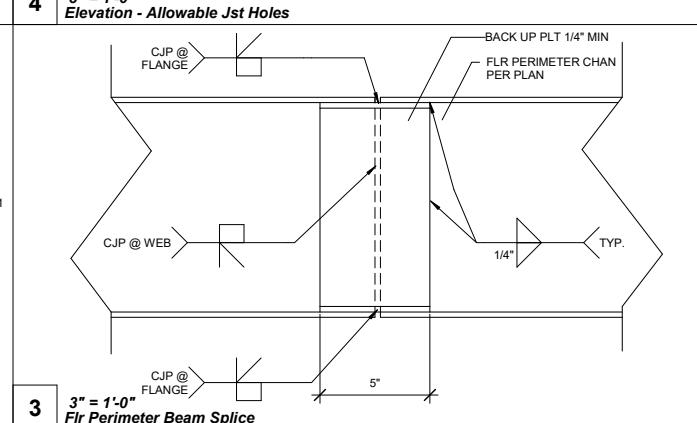
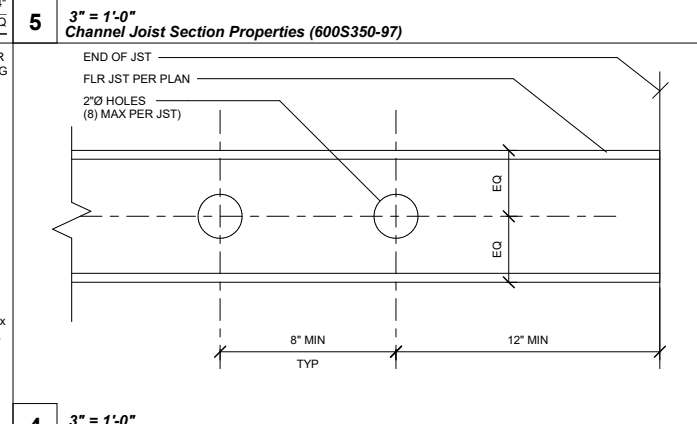
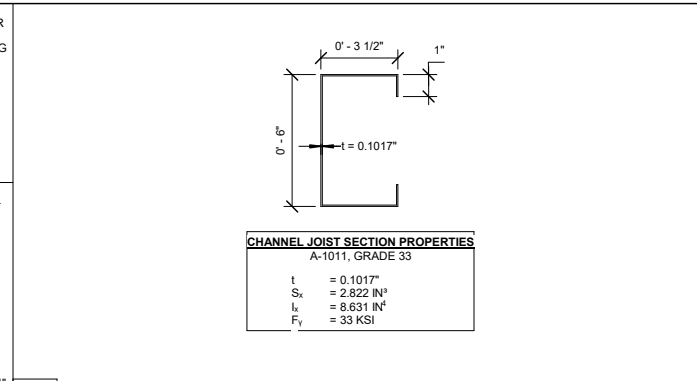
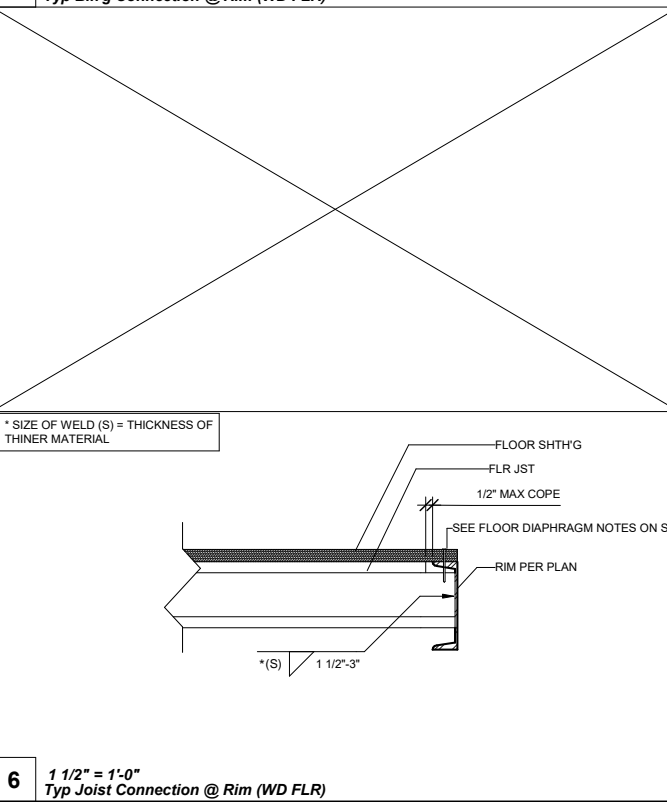
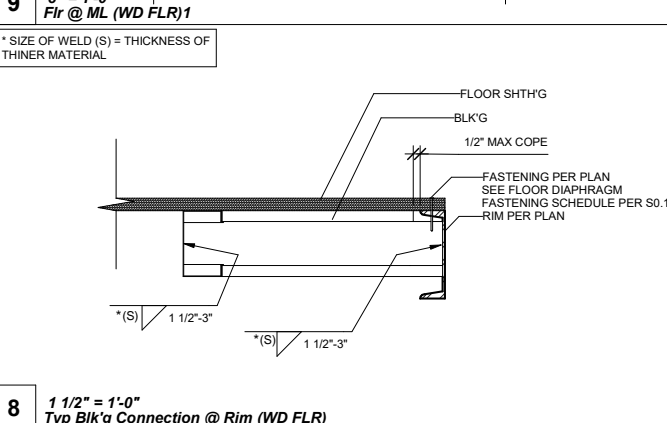
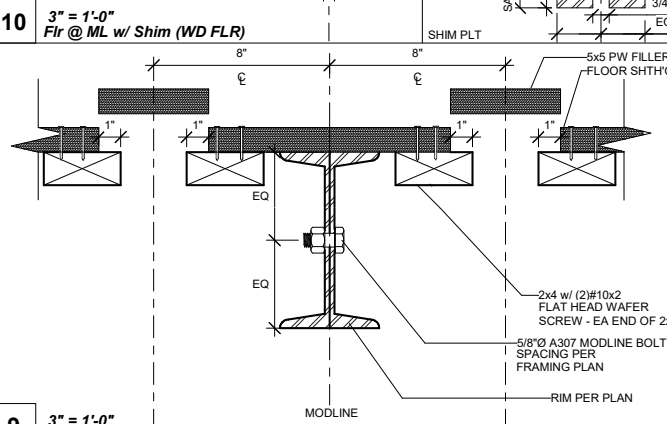
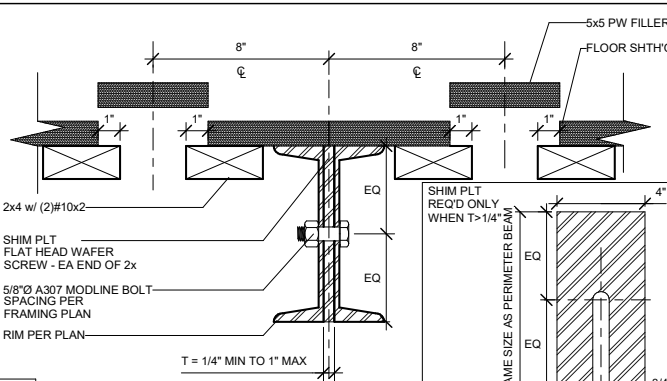
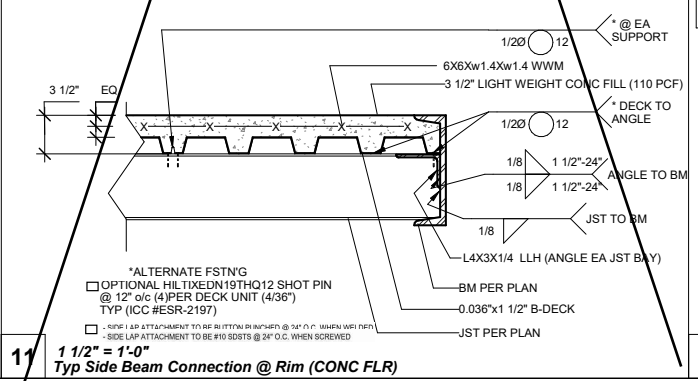
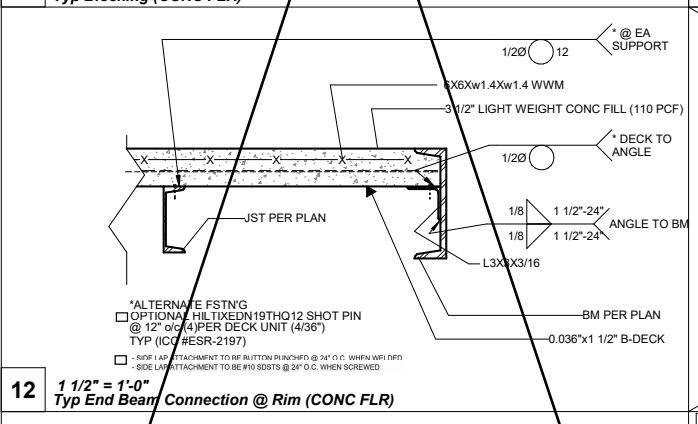
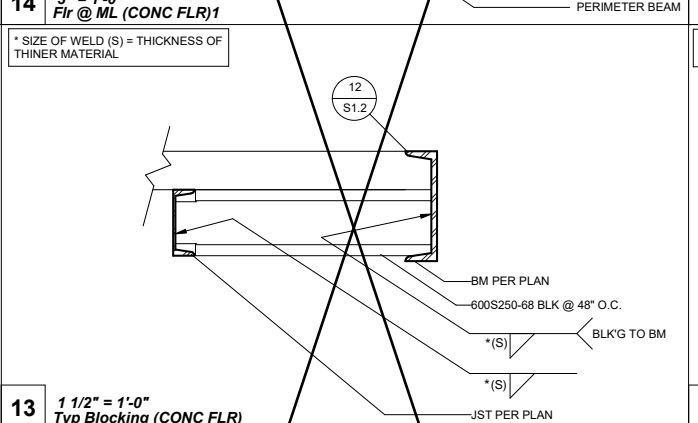
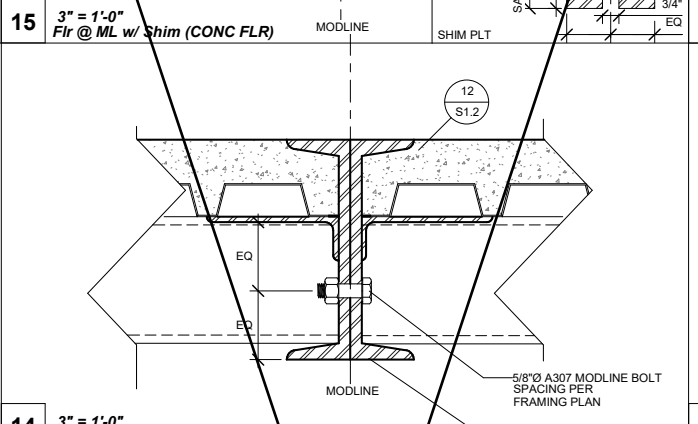
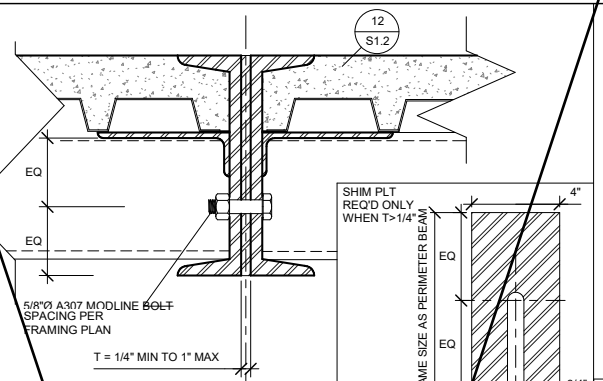
CHECKED BY
JA/RT

DATE

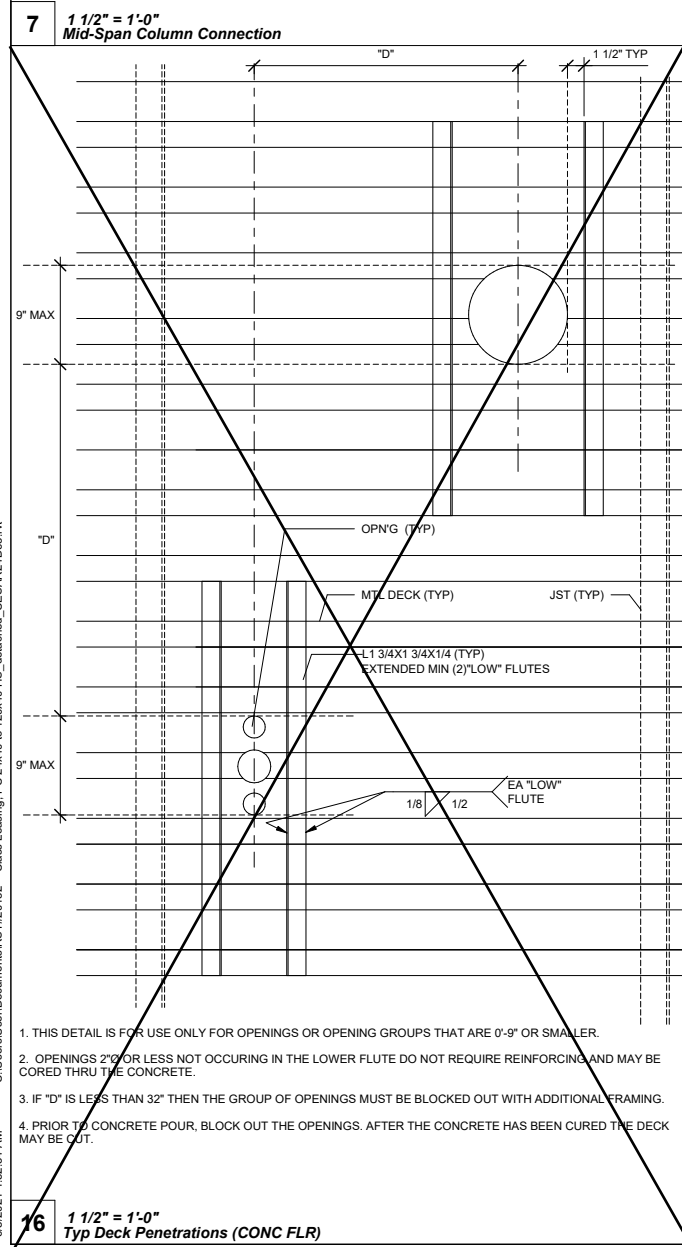
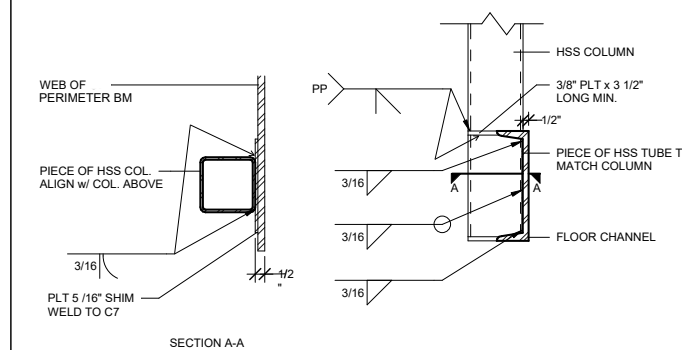
SHEET NO.
F1.40

SHEET OF

BH-36 METAL DECK PROPERTIES & PROFILE					
PLAN DESIGNATION	DECK TYPE	MINIMUM EFFECTIVE PROPERTIES			DECK PROFILE
		S_x IN ² /FT	S_y IN ² /FT	I_x IN ⁴ /FT	
1-12'-18GA ABC BH-36 GALV DECK (2" WIDE)		0.311	0.329	0.287	
		0.313			



20 1 1/2" = 1'-0" BH-36 Metal Deck Properties & Profile



16 1 1/2" = 1'-0" Typ Deck Penetrations (CONC FLR)

PROJECT SPECIFIC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT

APP. 04-122805 INC. REVIEWED FOR

SS FLS ACS

DATE: 10/17/23

R&S TAVARES ASSOCIATES
DESIGN & CONSULTING ARCHITECTS
1150 W BERNHARD COUNTY, SUITE 100
SAN DIEGO, CA 92107
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ARCHITECT
MANNY D. FRENCH
No. 53380
03/31/24
STATE OF CALIFORNIA
RSTW22088
05/24/23

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEvised SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

CLIENT

Class Leasing
1320 W. Oleander Ave., Perris CA 92571-7408
VOICE (951) 943-1908/Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT

APP. 04-121369 PC REVIEWED FOR

SS FLS ACS CG

DATE: 09/22/2023

Revision Schedule		
#	Description	Date
1	AMEND CALL OUT PER CALCS	10-11-23

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC:24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
STRUCTURAL DETAILS (FLOOR)

PROJECT NUMBER
22088

DRAWN BY
rMc/SC

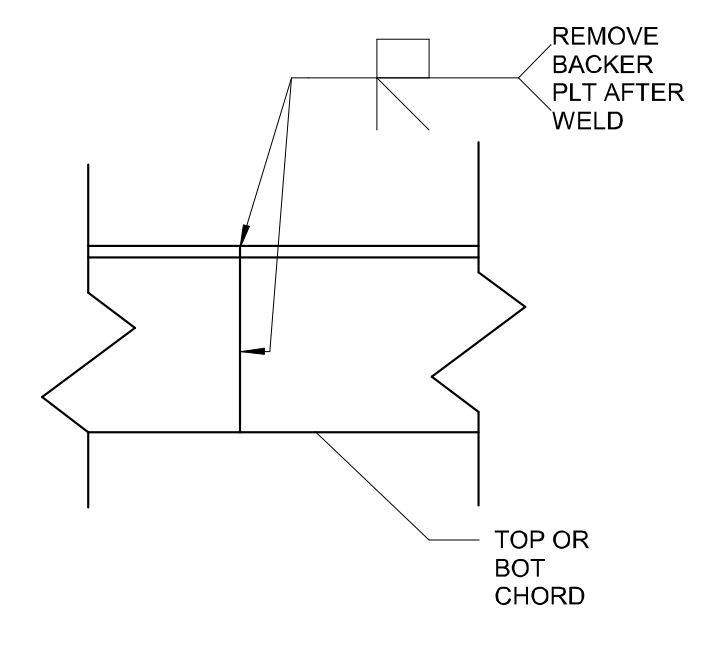
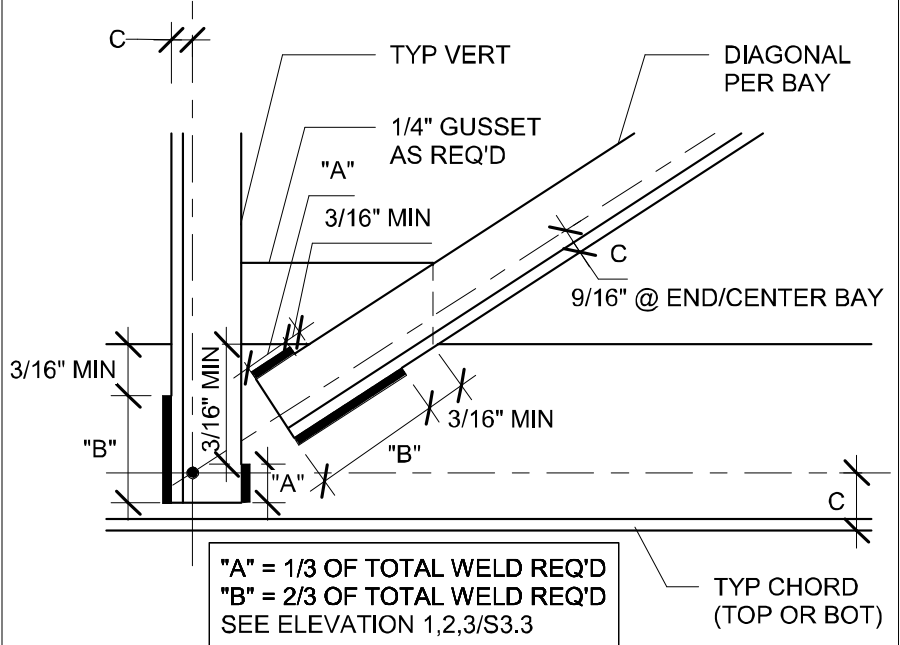
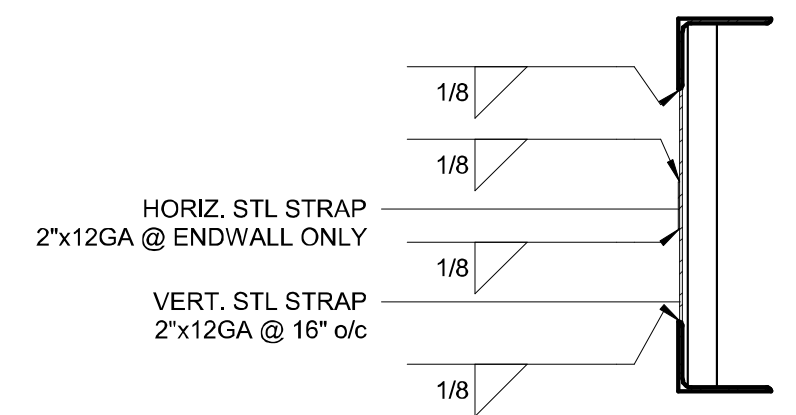
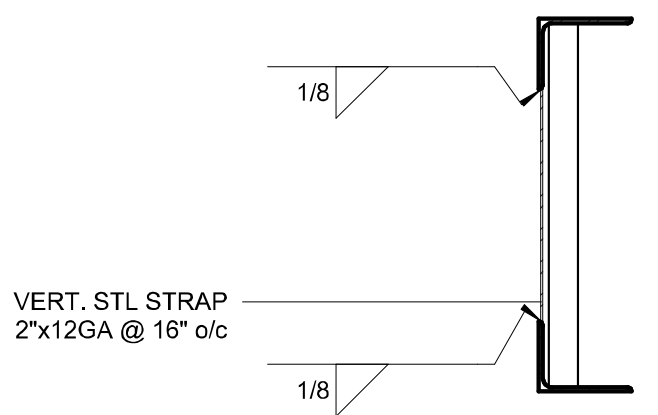
CHECKED BY
JA/RT

DATE

SHEET NO.
S1.2

CCD_001

TABLE A-SECTION CENTROID	
SECTION	CENTROID C
L4X3 (LLV)	1 1/4"
L4X3 (LLH)	3/4"
L2X2X3/16	9/16"
L1.5X1.5X3/16	7/16"

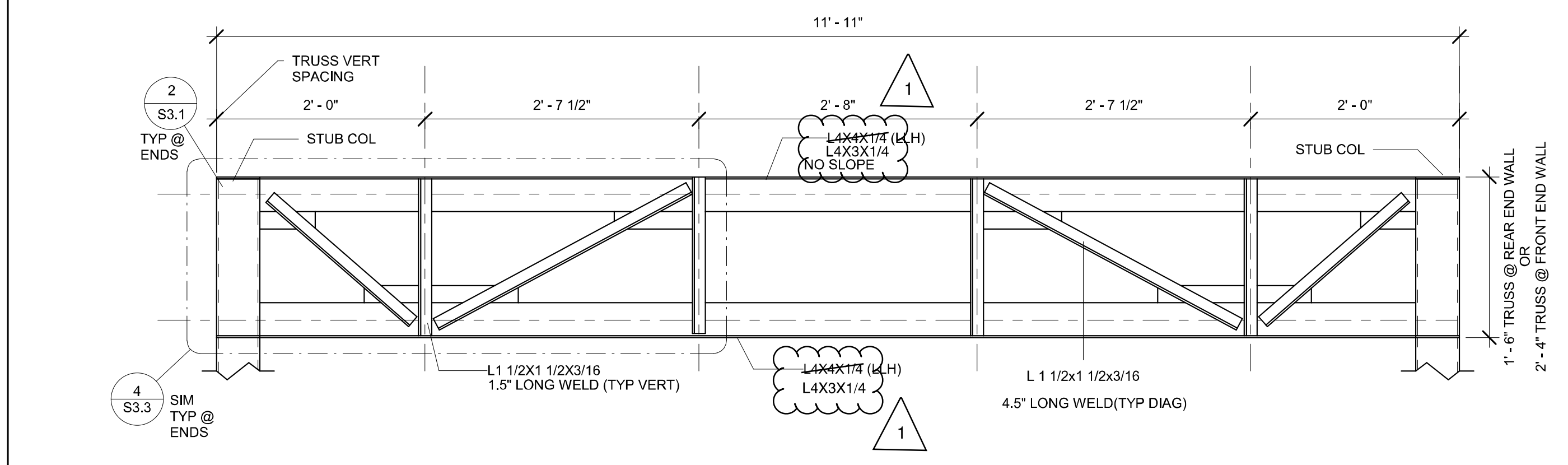


1/2" = 1'-0" TABLE A - SECTION CENTROID

NOTE: SEE DETAIL 8 / S3.3

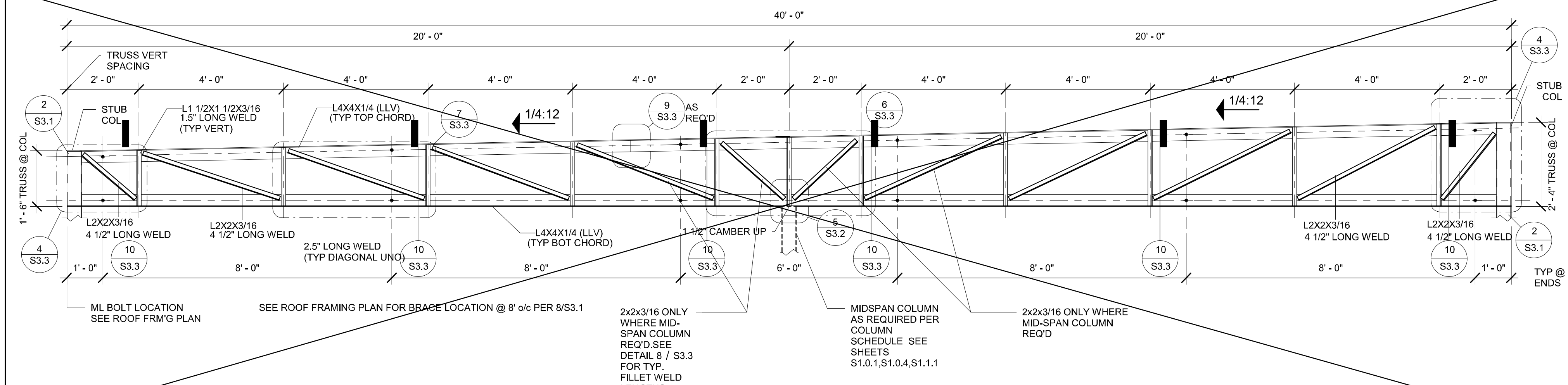
3" = 1'-0" Typ Fillet Weld Lengths

3" = 1'-0" Typ Truss Chord Splice

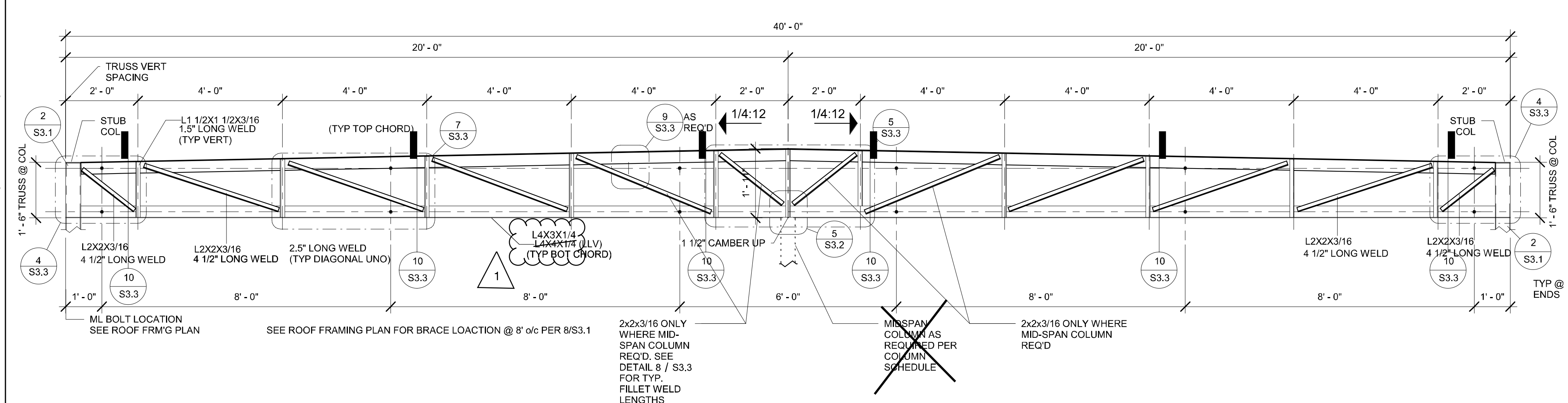


1" = 1'-0" End Wall Truss

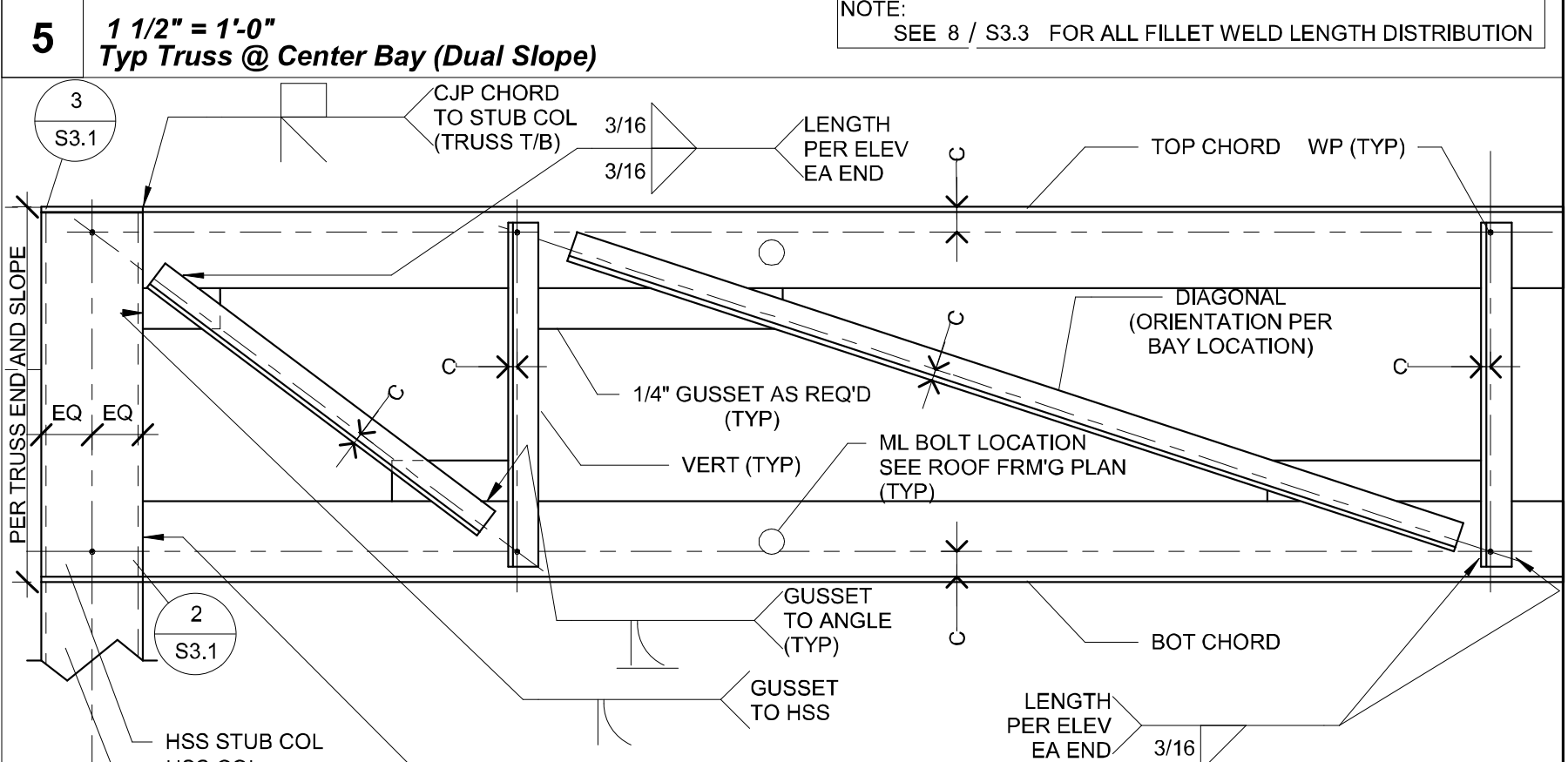
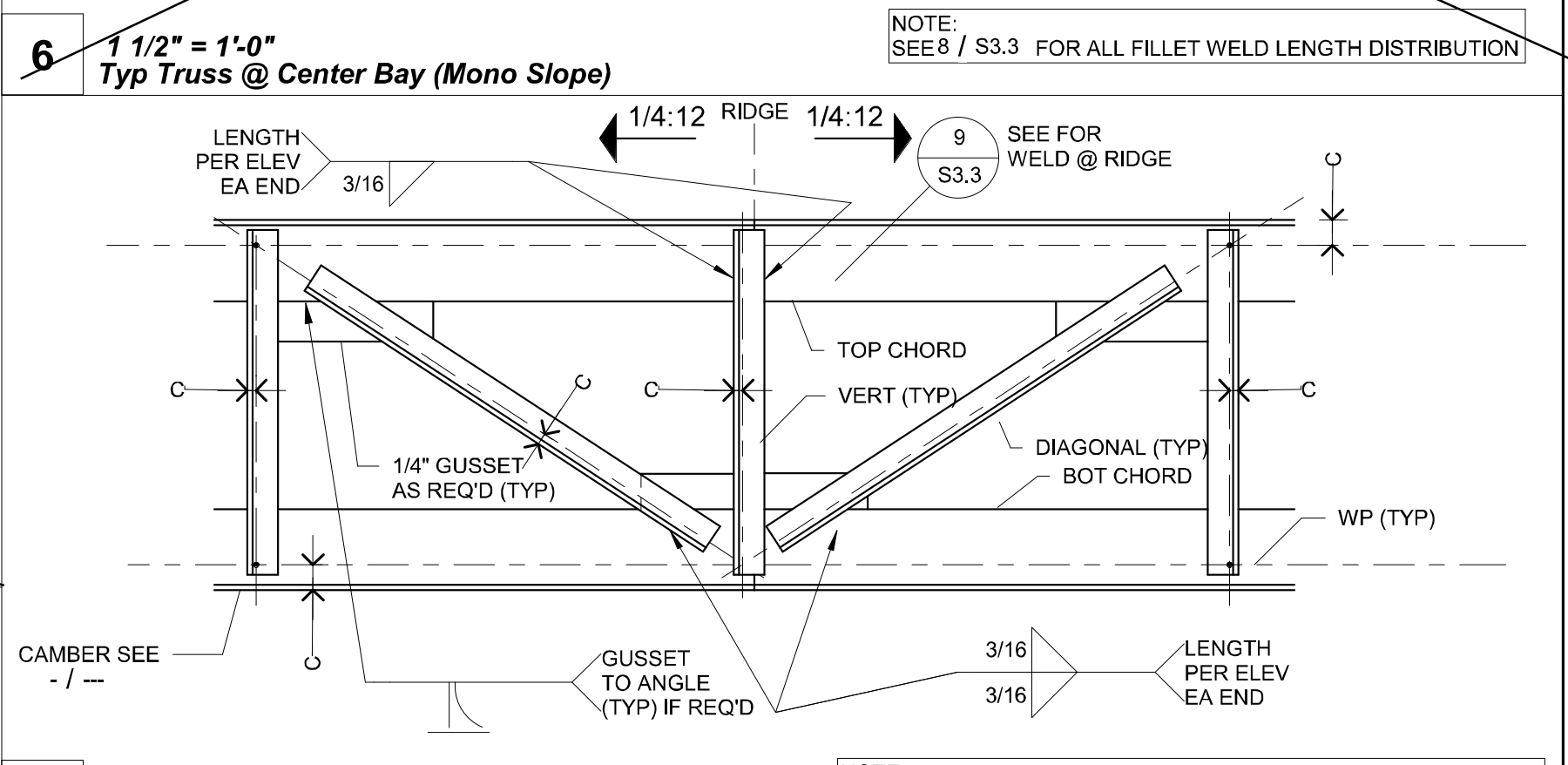
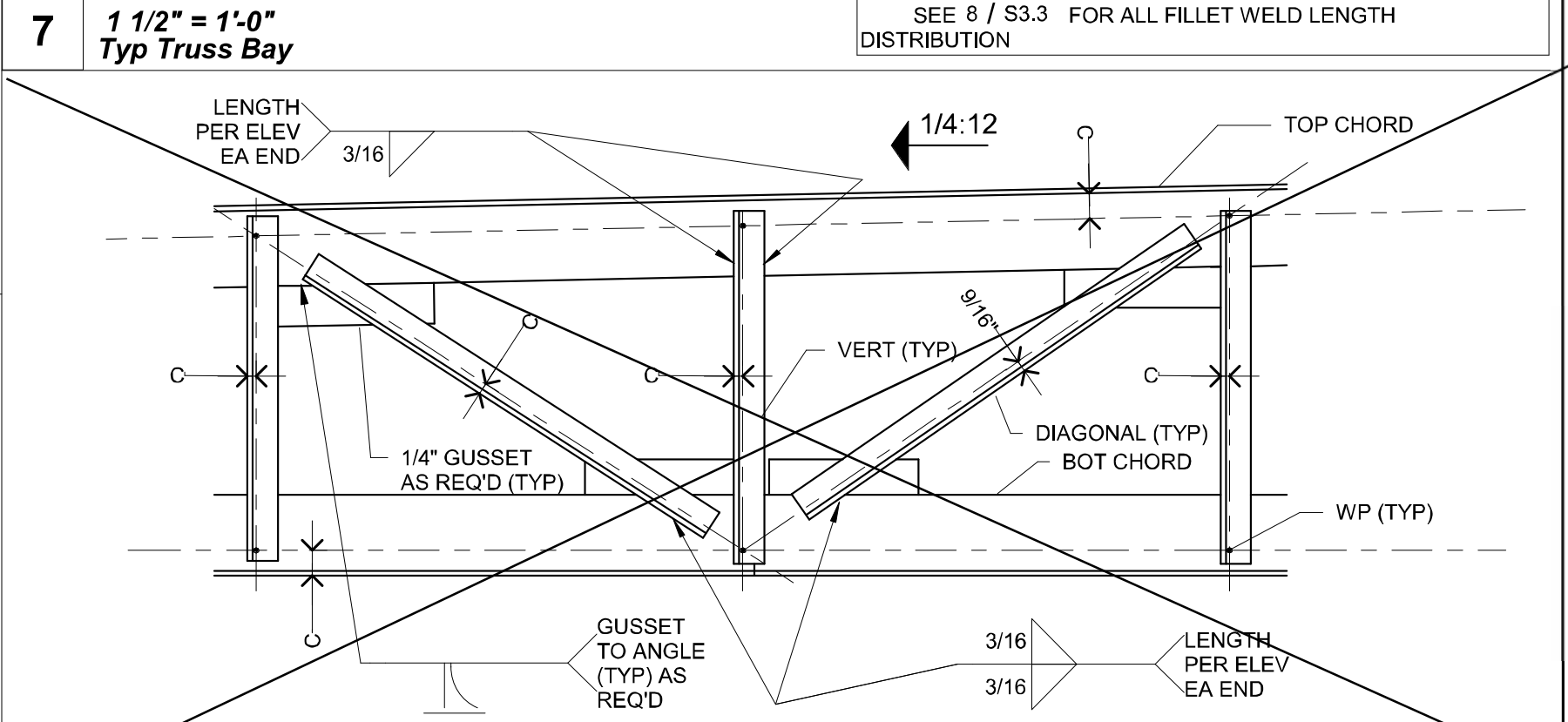
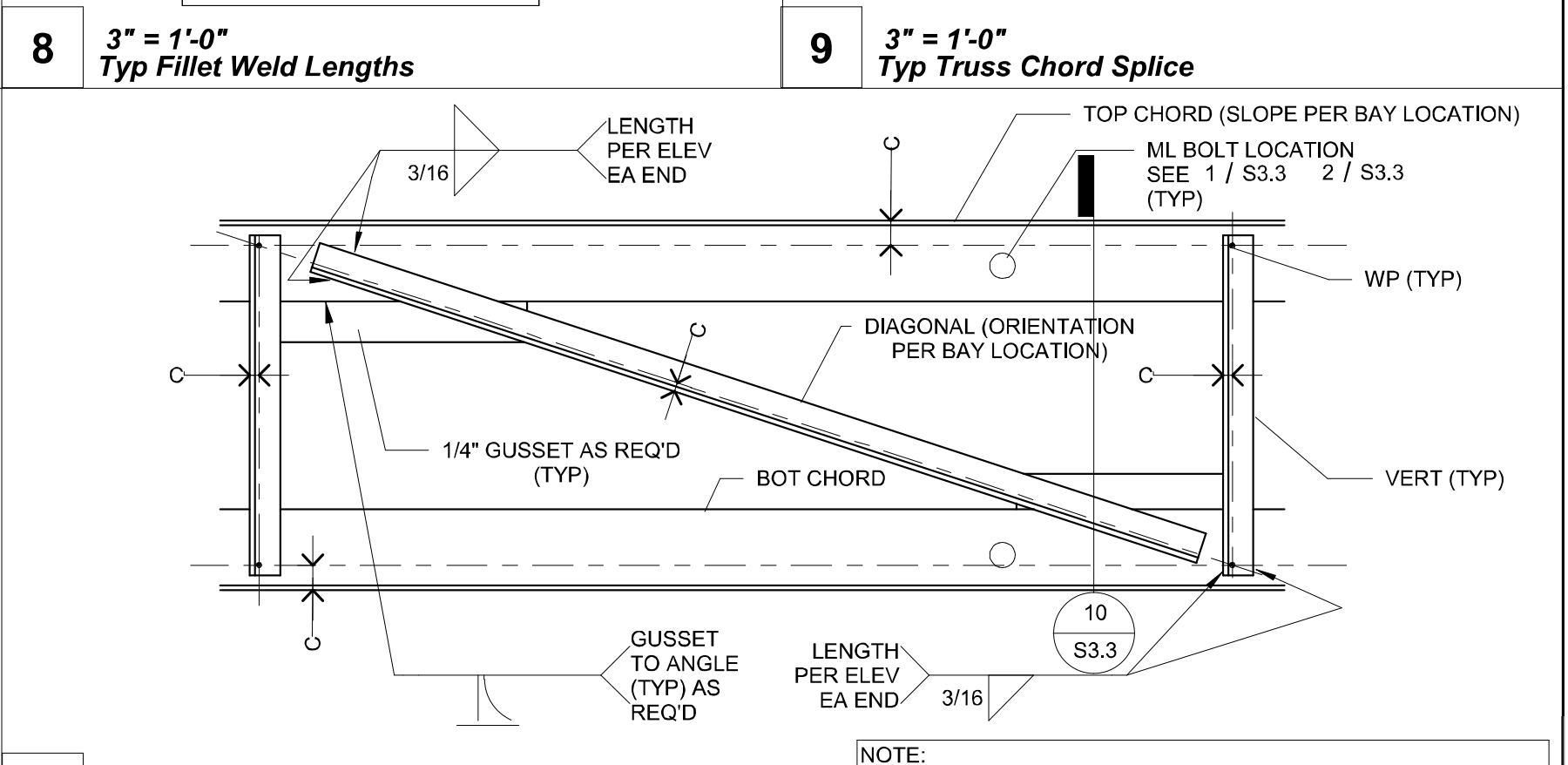
3" = 1'-0" TRUSS CONN. @ MATELINE



1/2" = 1'-0" Mono Truss



1/2" = 1'-0" Dual Truss



#	Revision	Schedule	Date
1	AMEND CALL OUT PER CALCS		10-11-23

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC: 24' x 40'
EXPANDABLE TO
120' x 40'

SHEET TITLE
ROOF PERIMETER TRUSS

PROJECT NUMBER
22088

DRAWN BY
rMc/SC

CHECKED BY
RH/RT

DATE

SHEET NO.
S3.3

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2020
LIST OF APPLICABLE CODES
 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR
 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
 2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CCR
 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
 2022 CALIFORNIA GREEN BUILDING STANDARD CODE (CALGREEN), PART 11, TITLE 24 CCR
 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR
 TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

APPLICABLE STANDARDS
 FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

NOTE: CAL/OSHA ELEVATOR UNIT ENFORCES CCR TITLE 8 AND USES THE 2004 ASME A17.1 BY ADOPTION

*CALIFORNIA ADMINISTRATIVE CODE, PART 1, CHAPTER 10, ADMINISTRATIVE REGULATIONS FOR THE CALIFORNIA ENERGY COMMISSION (CEC)

GENERAL NOTES

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATION SHALL BE MADE BY AN ADDENDUM OR CONSTRUCTION CHANGE DOCUMENT (CCD) BY DSA AS REQUIRED BY SECTION 4-338 PART 1, TITLE 24, CCR

A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. DUTIES OF INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1 TITLE 24, CCR

COMPLETE ACCESS IS A DIVISION OF INTEGRATED STAIR SYSTEMS INC. WITH CORPORATE OFFICES LOCATED IN 1345 RYAN RD, BUCKLEY, WA 98321, (360) 829-4220

DESIGN LOADS
 LIVE LOAD: 100 PSF (4.8 kPa)
 HANDRAIL IMPACT: 200 LBS (0.9kN)
 HANDRAIL DIST. LOAD: 50 PLF (0.7 kN/m)
 RISK CATEGORY: III
 SEISMIC: Ss=2.80g, S1=1.99g, R=1.25, SITE CLASS D
 LATERAL RESISTING SYST: OTHER STRUCTURES SIMILAR TO BUILDINGS
 WIND: 110 MPH, 3 SEC GUST EXPOSURE "C", Kzt=1.0
 SEIS IMPORTANCE FACTOR: Ie=1.25, Iw=1.0 Cs=1.493
 DESIGN BASE SHEAR, V: 1493 W
 SNOW LOAD: 0 PSF (0 kPa)
 SOIL ALLOWABLE BEARING: 1,000 PSF (4.8 kPa)

MATERIALS

SQUARE STEEL TUBE ASTM A513 GR. C Fy= 33 KSI (345 MPa)
 RAMP OVERHANG POST ASTM A500 B Fy= 46 KSI

*ALL STEEL TO BE COATED WITH GALVANIZED RUST INHIBITING COATING

WOOD FOUNDATION SHALL BE OF FOUNDATION GRADE REDWOOD OR PRESERVATIVE PRESSURE TREATED HEM-FIR #2 AND IS ALLOWED TO REST DIRECTLY ON SOIL OR PAVEMENT.

WELDS

WELDING SHALL BE IN ACCORDANCE WITH AWS D.1.1-10 USING E70XX ELECTRODES FOR STEEL AND AWS D1.2 AND A5.10 FOR ALUMINUM, USING ALMIGWELD ER4043

BOLTS, SCREWS AND NAILS

STEEL TO STEEL CONNECTIONS: ASTM A307 CARBON STEEL BOLTS SHALL BE GRADE 5 ZINC PLATED, HOT DIPPED GALVANIZED TO ASTM A153 OR ELECTROGALVANIZED TO ASTM B63.3. FASTENER SHALL BE LUBRICATED TO ELIMINATE GALLING. ALL STEEL MEMBERS IN CONTACT WITH ALUMINUM SHALL BE ZINC COATED TO ELIMINATE GALVANIC REACTION.

STEEL TO STEEL & WOOD CONNECTIONS: ANSIA/ASME STEEL LAG SCREWS, STEEL STANDARD WOOD SCREWS, WOOD TO WOOD CONNECTION: ASTM STANDARD COMMON STEEL NAIL.

ITW RED HEAD CONCRETE WEDGE ANCHORS SHALL BE INSTALLED PER RECOMMENDATION SHOWN IN ESR-2427

HANDRAIL NOTES:

- MANEUVERING CLEARANCE ON EXTERIOR PULL SIDE OF DOOR SHALL BE 42" TYPICAL (610MM) MINIMUM WITH 60" (1524MM) MINIMUM LANDING IN FRONT OF DOOR.
- HANDRAILS SHALL BE CONTINUOUS ALONG BOTH SIDES. HANDRAILS SHALL BE PARALLEL WITH THE SURFACE AND PROJECT 12" (301MM) ON BEYOND TOP OF RISER AND 12" (301MM) PLUS 1 TREAD AT BOTTOM RISER. AT RAMP WHERE HANDRAIL ARE NOT CONTINUOUS BETWEEN RUNS THE HANDRAIL SHALL EXTEND HORIZONTALLY ABOVE THE LANDING 12" (301MM) MINIMUM BEYOND THE BEGINNING AND ENDING OF RAMP
- TOP OF HANDRAILS SHALL BE MOUNTED BETWEEN 34" (864MM) AND 38" (965MM) ABOVE THE WALKING SURFACE, ONE CONSISTENT HEIGHT, BEGINNING TO END.
- CLEARANCE BETWEEN HANDRAIL AND WALL SHALL BE A MINIMUM OF 1-1/2" (38MM).
- GUARDS ARE TO BE DESIGNED FOR A CONCENTRATED LOAD OF 200 LBF (0.9 kN) APPLIED @ ANY POINT AND ANY DIRECTION ALONG THE RAIL OR A UNIFORM LOAD OF 50 PLF (0.7 kN/m) APPLIED HORIZONTALLY @ HANDRAIL HEIGHT.
- HANDRAILS SHALL HAVE A CIRCULAR CROSS SECTION WITH AN OUTSIDE DIAMETER OF 1-1/4" (31.75MM) MINIMUM AND NOT GREATER THAN 2" (51MM) MAXIMUM. 11B-605.7.2 NON-CIRCULAR CROSS SECTIONS, HANDRAIL GRIPPING SURFACES WITH A NON-CIRCULAR CROSS SECTION SHALL HAVE A PERIMETER DIMENSION OF 4 INCHES (102 MM) MINIMUM AND 6 INCHES (159 MM) MAXIMUM, AND A CROSS-SECTION DIMENSION OF 2 1/4 INCHES (57 MM) MAXIMUM.
- GRIPPING SURFACE SHALL BE CONTINUOUS ALONG THEIR LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOPS OR SIDES.
- HANDRAILS SHALL NOT ROTATE IN THEIR FITTINGS.
- ENDS OF HANDRAILS SHALL RETURN SMOOTHLY TO FLOOR, WALL OR POST.

RAMP NOTES

- RAMP SHALL CONFORM TO CBC 2022 TITLE 24 PART 2, CHAPTER 11B, 11B-405
- RAMP SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12 (8% SLOPE) FOR A MAXIMUM RISE OF 30" (762MM)
- THE MAXIMUM VERTICAL RISE OF RAMP RUN SHALL BE 30" (762MM) MAXIMUM
- RAMP SHALL HAVE LANDING AT BOTTOM AND TOP OF EACH RAMP RUN
- THE SLOPE ON LANDINGS SHALL NOT BE STEEPER THAN ONE UNIT VERTICAL IN 48 UNITS HORIZONTAL (2% SLOPE) IN ANY DIRECTION
- LANDING SHALL HAVE A WIDTH AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING AND A MINIMUM LENGTH OF 60" IN THE DIRECTION OF TRAVEL @ TOP LANDING - 72" MIN @ BOT LANDING
- CHANGES IN DIRECTION OF TRAVEL SHALL HAVE A LANDING 60" WIDE BY 72" LONG (1524MM X 1829MM) MINIMUM, WITH THE LENGTH BEING IN THE DIRECTION OF DOWNWARD TRAVEL AND CHANGES IN DIRECTION
- MANEUVERING CLEARANCE ON LANDING ADJACENT TO DOORWAYS SHALL BE NO LESS THAN 42" WITH DOOR IN ANY POSITION AND SHALL NOT BE REDUCED BY MORE THAN 3" WHEN DOOR IS FULLY OPENED
- WALKING SURFACE SHALL BE ROUGHED OR SHALL BE OF SLIP RESISTANT DIAMOND PLATE ALUMINUM AND ALL LANDINGS TO BE DESIGNED TO NOT RETAIN STANDING WATER - 2.083 MAX SLOPE ANY DIRECTION

ADDITIONAL NOTES

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR

SCOPE OF WORK

CONSTRUCTION OF RAMP AND STAIRS BUILDINGS (RELOCATABLE)

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number:	School Name:	School District:
DSA File Number:	Increment Number:	Date Created:

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections listed on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

**NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code.

1. TYPE	2. PERFORMED BY
Continuous - Indicates that a continuous special inspection is required	GE (Geotechnical Engineer) - Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.
Periodic - Indicates that a periodic special inspection is required	LOR (Laboratory of Record) - Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CBC Section 4-335.
Test - Indicates that a test is required	PI (Project Inspector) - Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA.
	SI (Special Inspection) - Indicates that the special inspection shall be performed by an appropriately qualified approved special inspector.

CS. POST-INSTALLED ANCHORS:	Type	Performed By	Code References and Notes
a. Inspect installation of post-installed anchors	See Notes	SI*	1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), 1705A.3.8 (See Appendix (end of this form) for exemptions), ACI 308.1R Sections 17.8 & 26.13. *May be performed by the project inspector when specifically approved by DSA.
b. Test post-installed anchors.	Test	LOR	1910A.5. (See Appendix (end of this form) for exemptions)

SIA1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES

Test or Special Inspection	Type	Performed By	Code References and Notes
a. Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	Periodic	*	Table 1705A.2.1 Item 3a, 3c, 2202A.1; AISI S100-20 Section A3.1 & A3.2; AISI S240-20 Section A3.8 & A5; AISI S229-20 Section A4.1 & 4.4. *By special inspector or qualified technician when performed off-site.
b. Test unidentified materials	Test	LOR	2202A.1.
c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.
d. Verify and document steel fabrication per DSA-approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).

SIA3. WELDING:

Test or Special Inspection	Type	Performed By	Code References and Notes
a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.

SIA4. SHOP WELDING (IN ADDITION TO SECTION SIA3):

Test or Special Inspection	Type	Performed By	Code References and Notes
a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1, 4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.

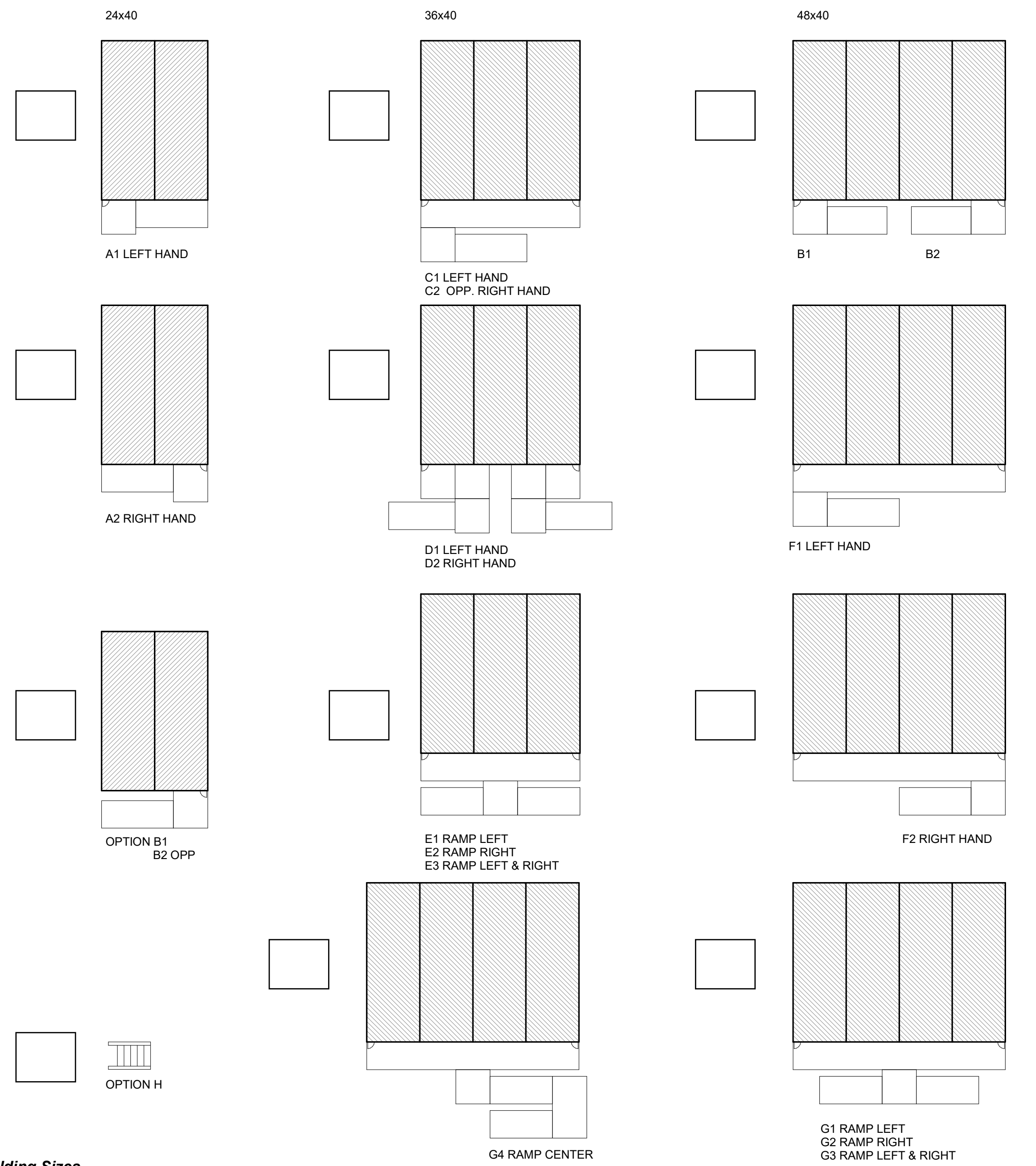
1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291

2. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

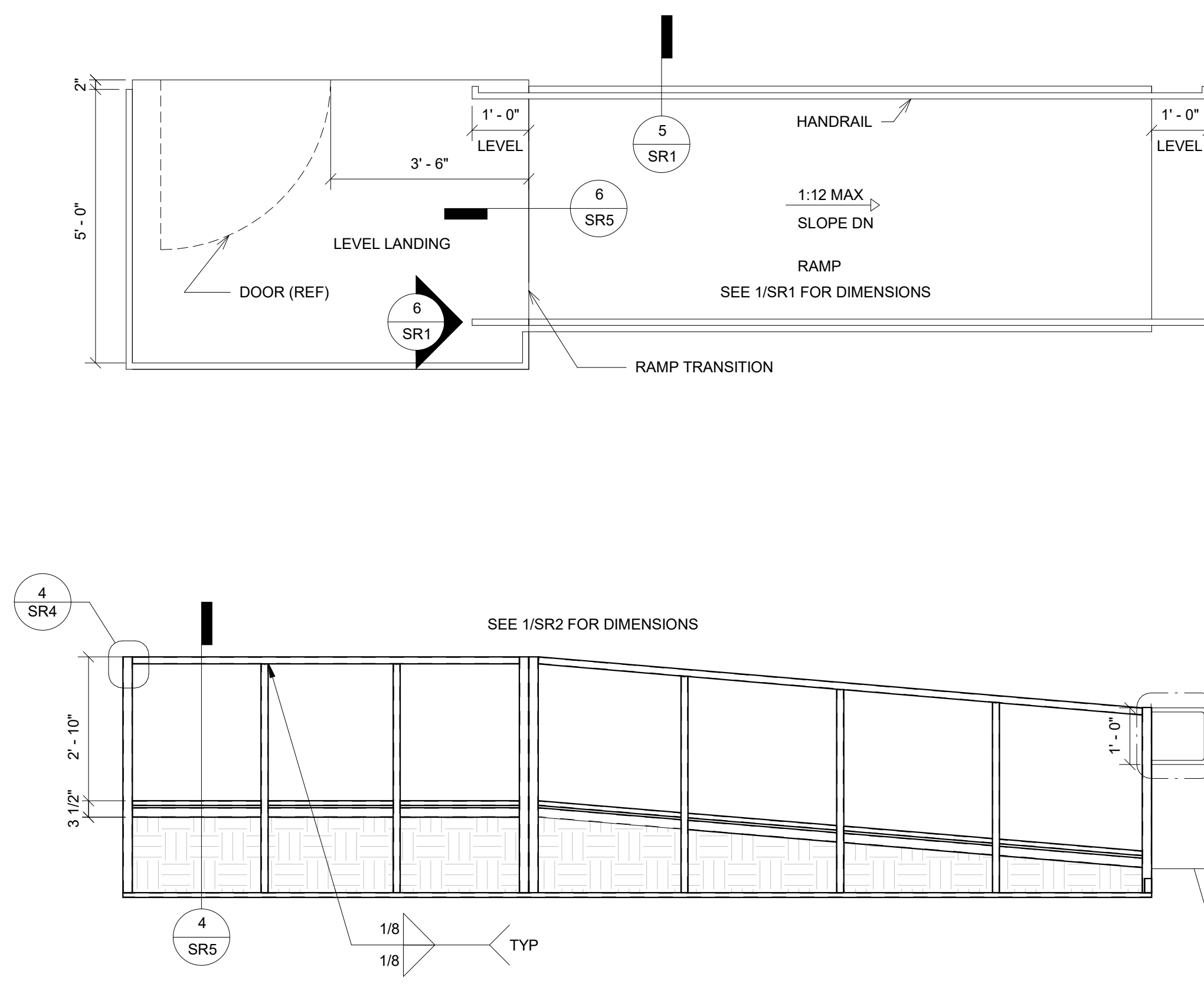
THE EXAMPLE OF FORM DSA-103s SHOWN ON THIS SHEET ARE FOR ILLUSTRATION PURPOSE ONLY. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND ALL EXAMPLE FORM DSA-103s ARE TO BE CROSSED OUT ON THIS DRAWING.

Ramp Option Schedule:

- option 1 : ramp & landing @ building (plan view 1/SR1)
- option 2 : ramp and landing with offset ramp (plan view 2/SR1)
- option 3: ramp and platform landing (plan view 3/SR1)
- option 4 : ramp and landing with switch back ramp (plan view 4/SR1)

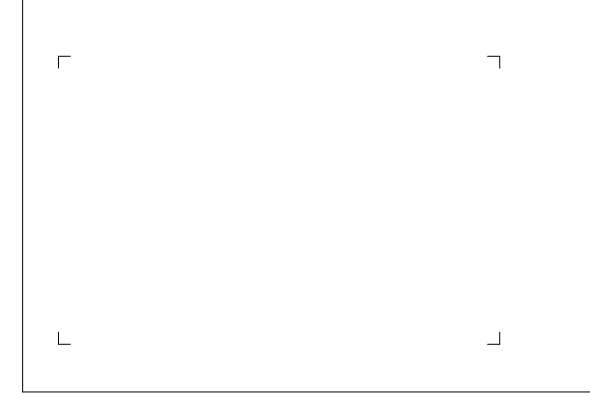


2 Ramps Options w/ Different Building Sizes



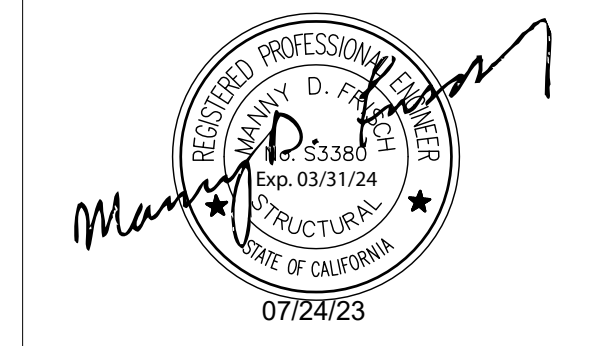
3 1/2" = 1'-0" Standard Ramp

PROJECT SPECIFIC STATE AGENCY APPROVAL



R&S TAVARES ASSOCIATES, INC.
 DESIGN & CONSULTING & PROJECT MGMT
 11500 W BERNARDO COURT, SUITE 100
 SAN DIEGO, CA 92127
 WWW.R&STAVARES.COM

PROFESSIONAL STAMP

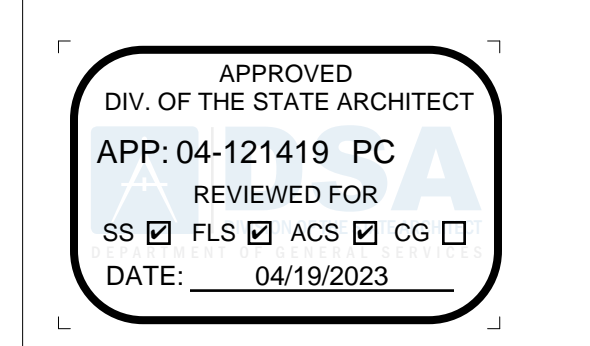


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CLIENT

Class Leasing
 1320 W. Oleander Ave, Perris CA 92571-7408
 VOICE (951) 943-1908/Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date
22079		

PRE-CHECK (PC) DOCUMENT
 Code: 2022 CBC
 A separate project application for construction is required

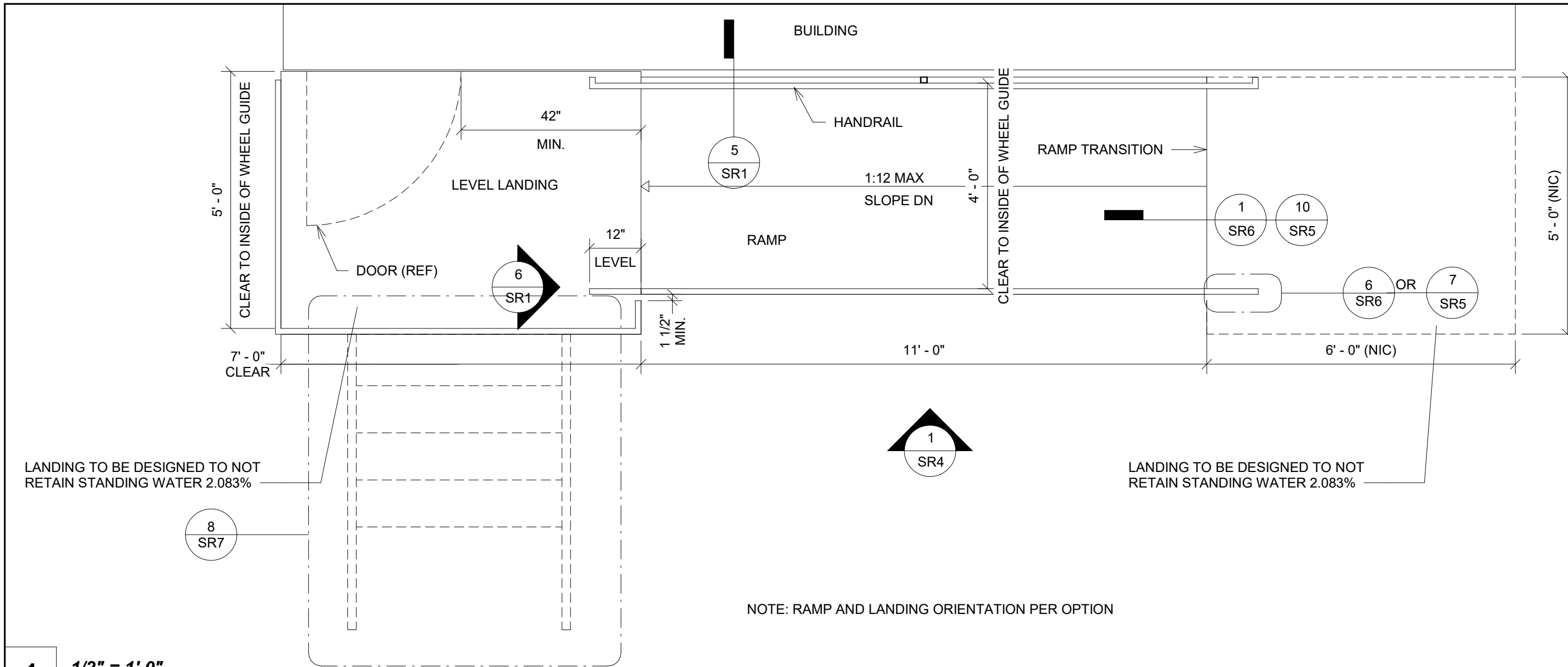
PROJECT TITLE
RAMPS PC
 CLASS LEASING
 PC#04-121419

SHEET TITLE
Module Plan and Notes (COVER SHEET)

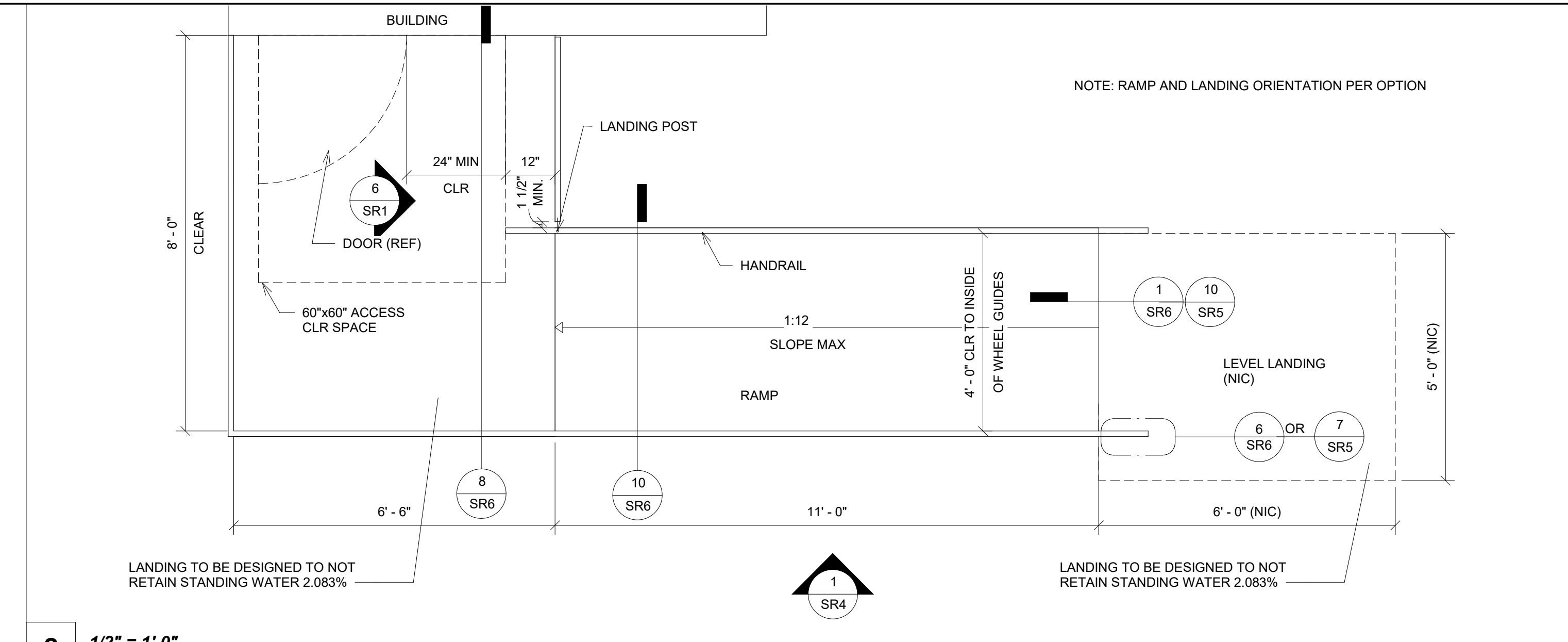
PROJECT NUMBER
 22079
 DRAWN BY
 SM
 CHECKED BY
 rMc
 DATE
 6/15/2021

SHEET NO.
SR0
 SHEET OF

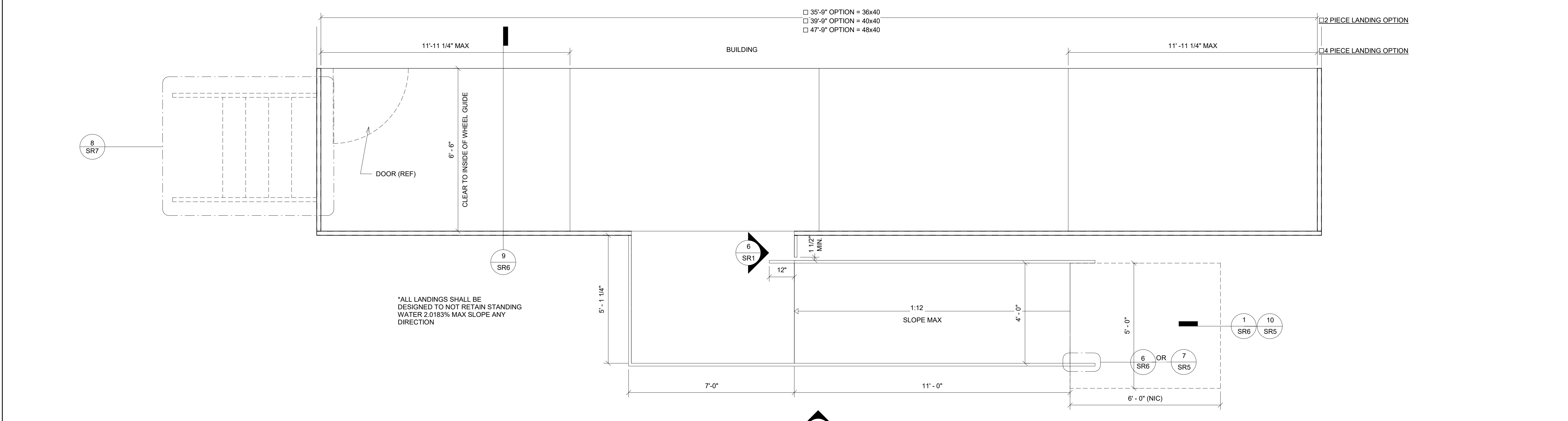
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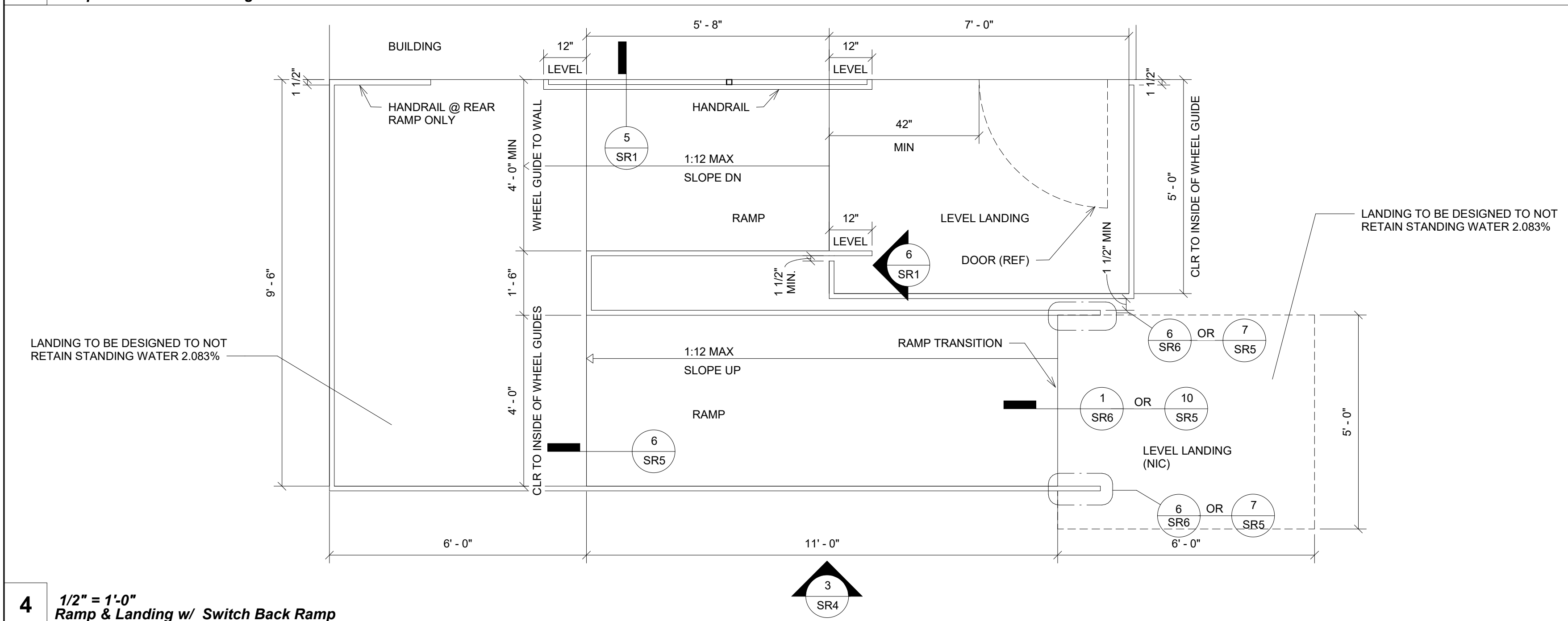
1 1/2" = 1'-0"
Ramp & Landing @ Building



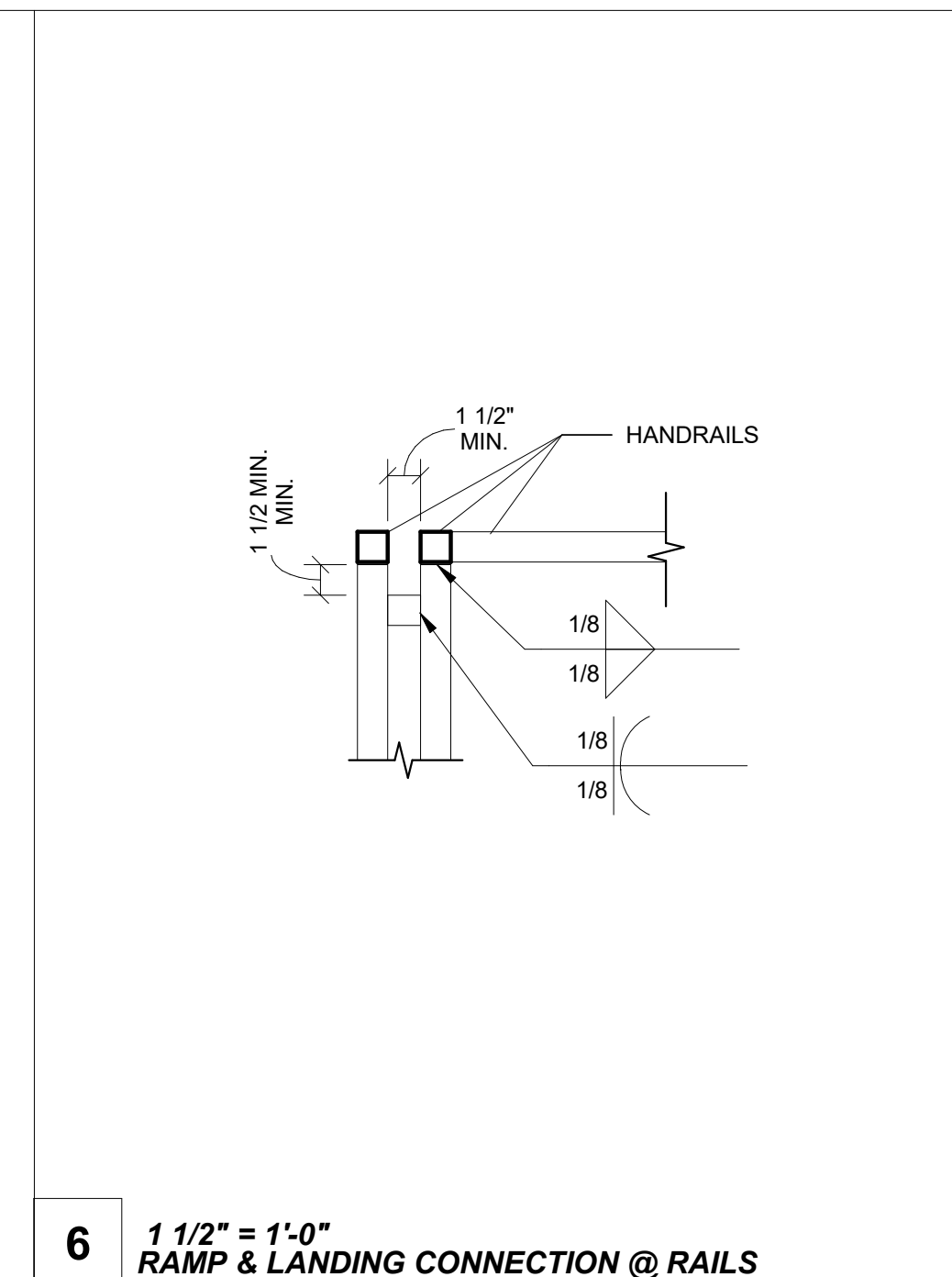
2 1/2" = 1'-0"
Ramp & Landing w/ Offset Ramp



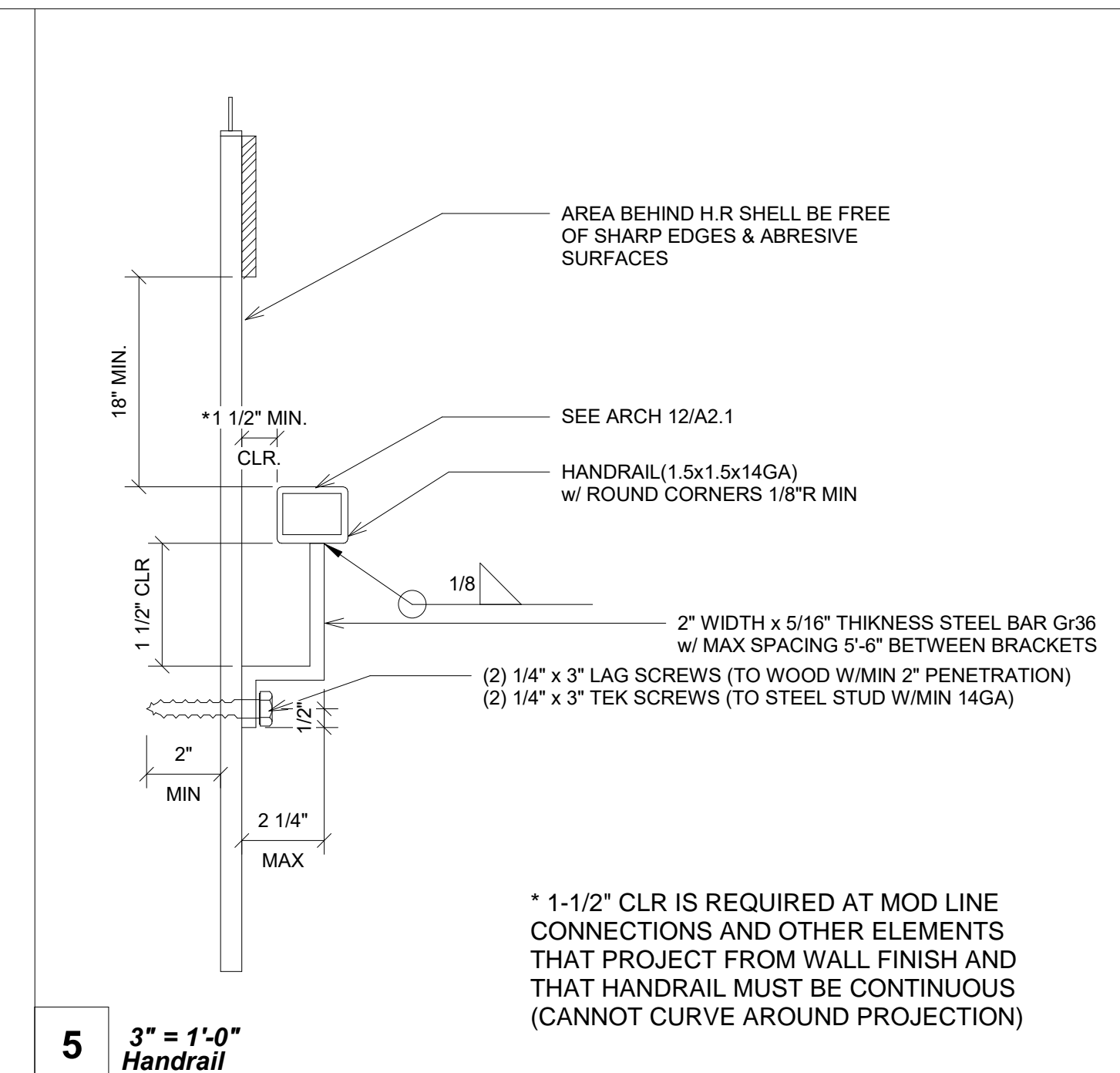
3 1/2" = 1'-0"
Ramp and Platform Landing



4 1/2" = 1'-0"
Ramp & Landing w/ Switch Back Ramp

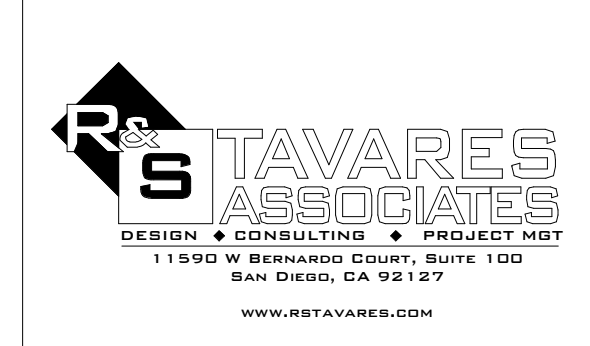


6 1 1/2" = 1'-0"
RAMP & LANDING CONNECTION @ RAILS

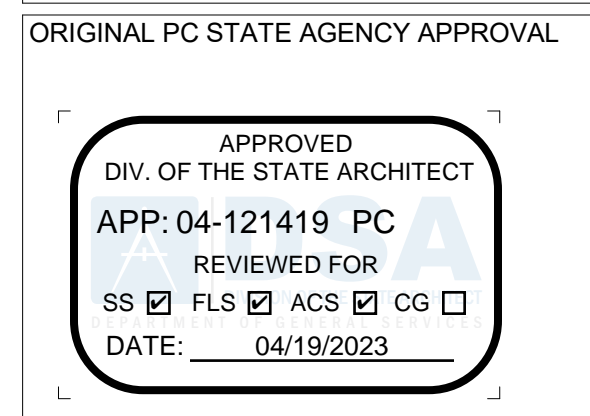


5 3" = 1'-0"
Handrail

PROJECT SPECIFIC STATE AGENCY APPROVAL



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Revision Schedule		
#	Description	Date
22079		

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-121419

SHEET TITLE
Ramp and Landing Plan

PROJECT NUMBER
22079

DRAWN BY
SM

CHECKED BY
rMc

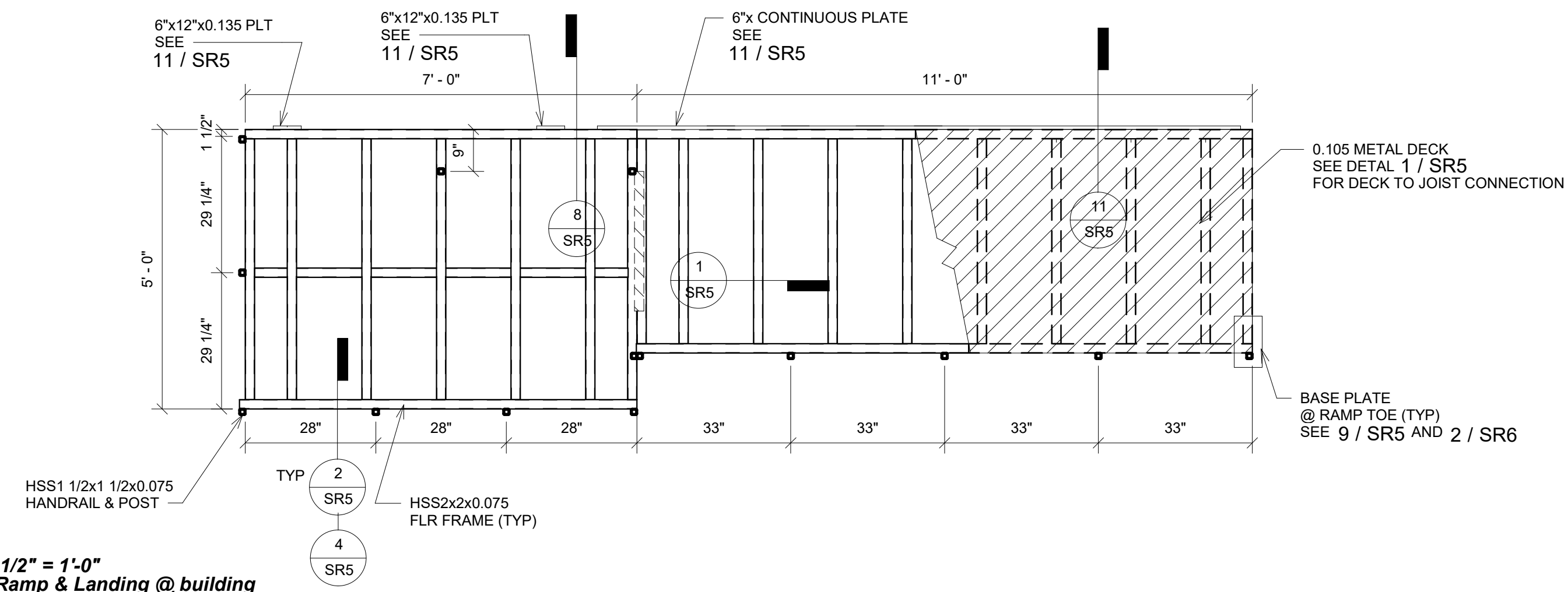
DATE
12/23/2022

SHEET NO.
SR1

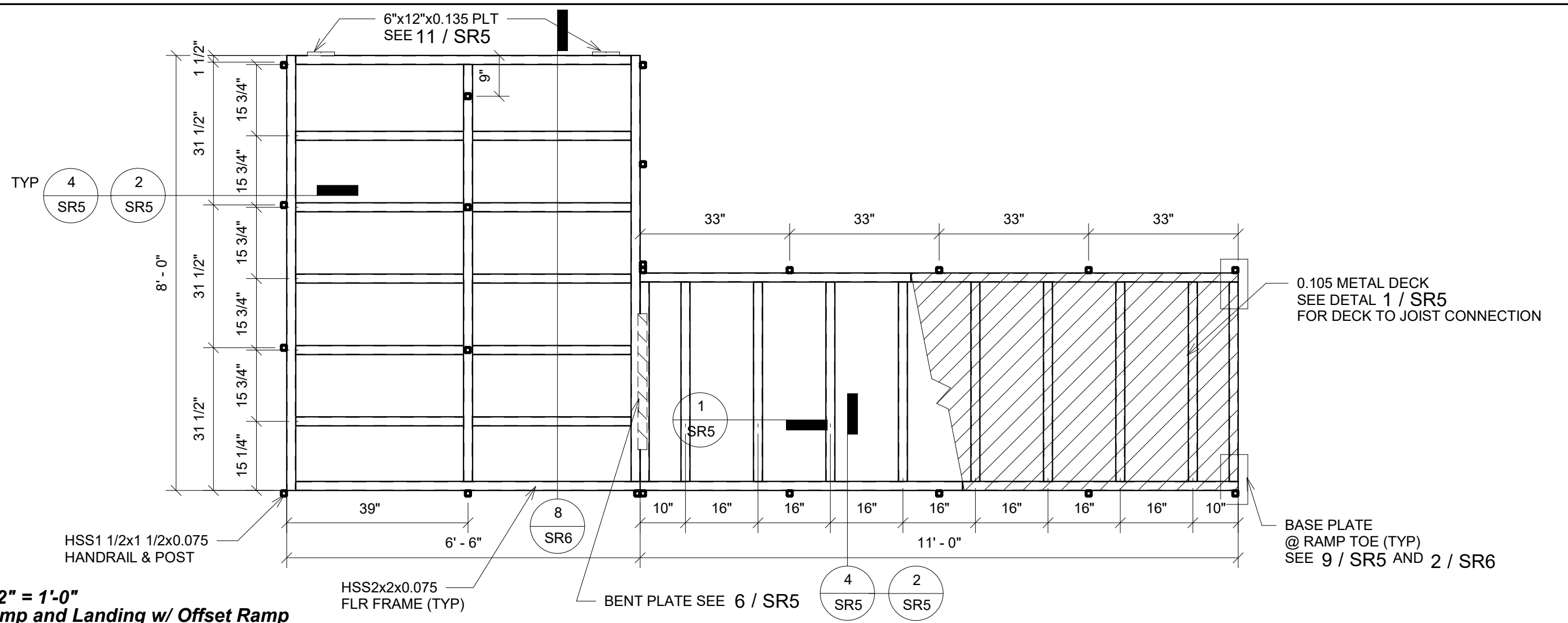
SHEET OF

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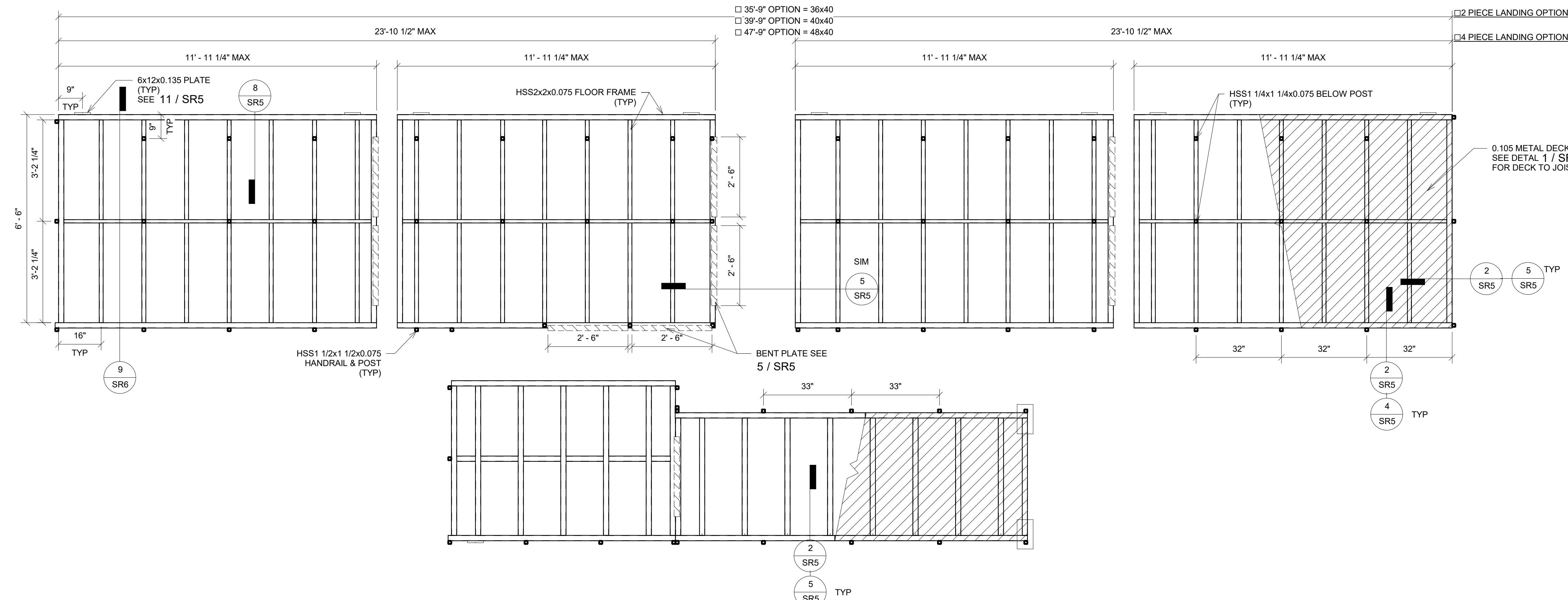
1 1/2" = 1'-0"
Ramp & Landing @ building



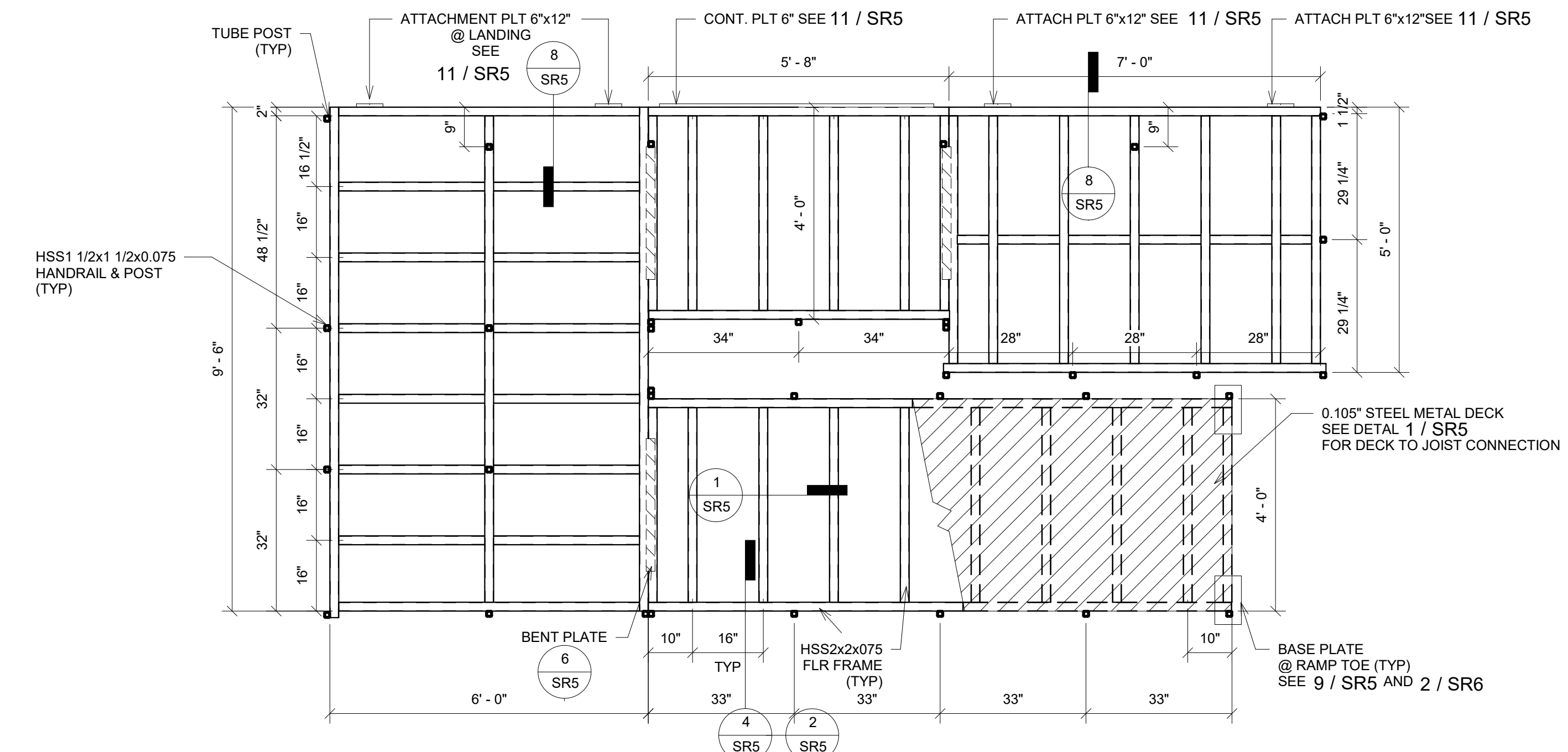
2 1/2" = 1'-0"
Ramp and Landing w/ Offset Ramp



3 1/2" = 1'-0"
Ramp & Platform Landing Frame



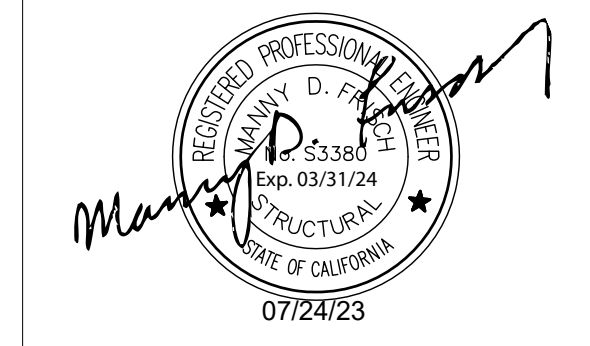
4 1/2" = 1'-0"
Ramp & Landing w/ Switch Back Ramp



PROJECT SPECIFIC STATE AGENCY APPROVAL



PROFESSIONAL STAMP

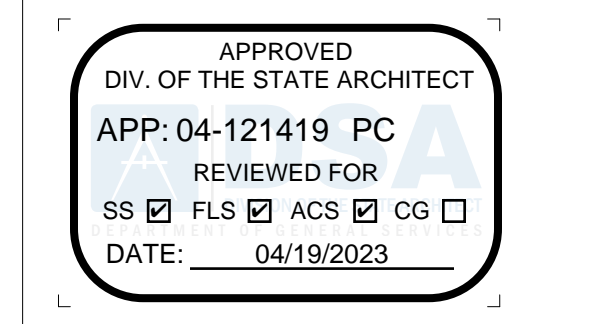


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ORIGINAL PC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date
22079		

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-121419

SHEET TITLE
Ramp and Landing Framing

PROJECT NUMBER
22079

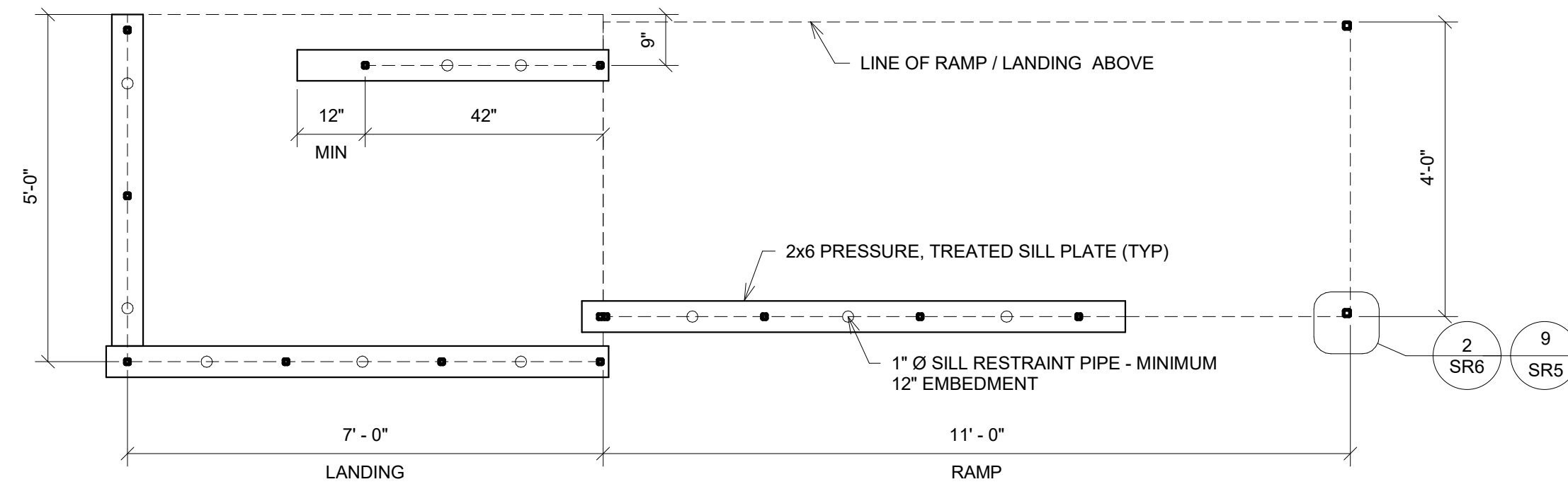
DRAWN BY
SM

CHECKED BY
BR/rMc

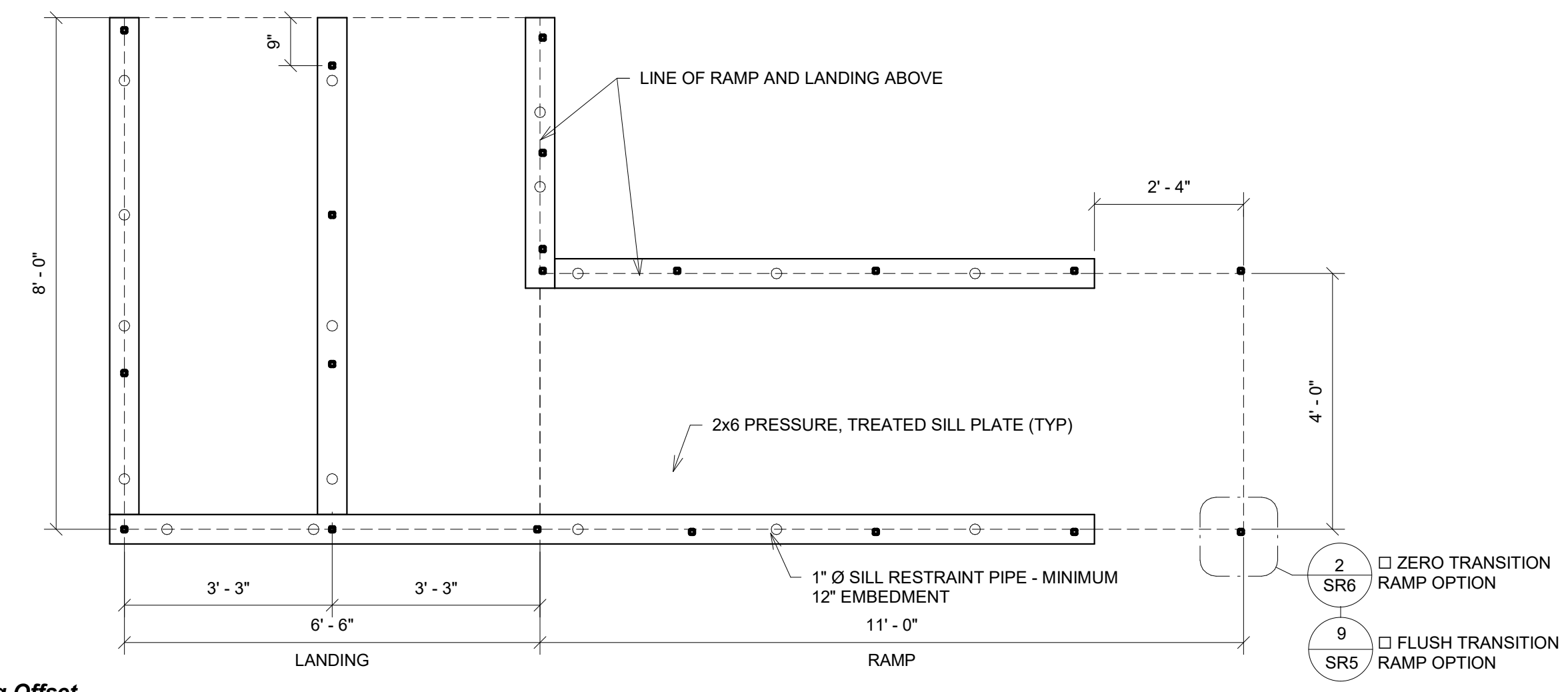
DATE
12/23/2022

SHEET NO.
SR2

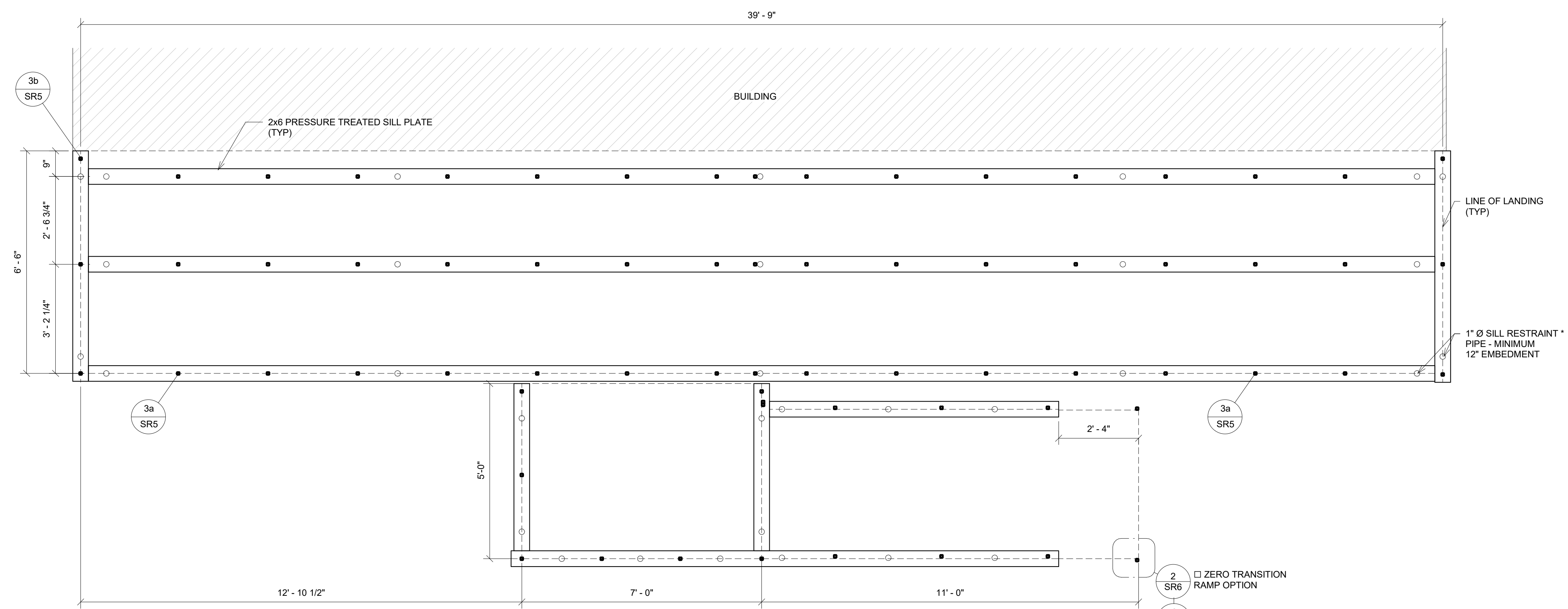
SHEET OF



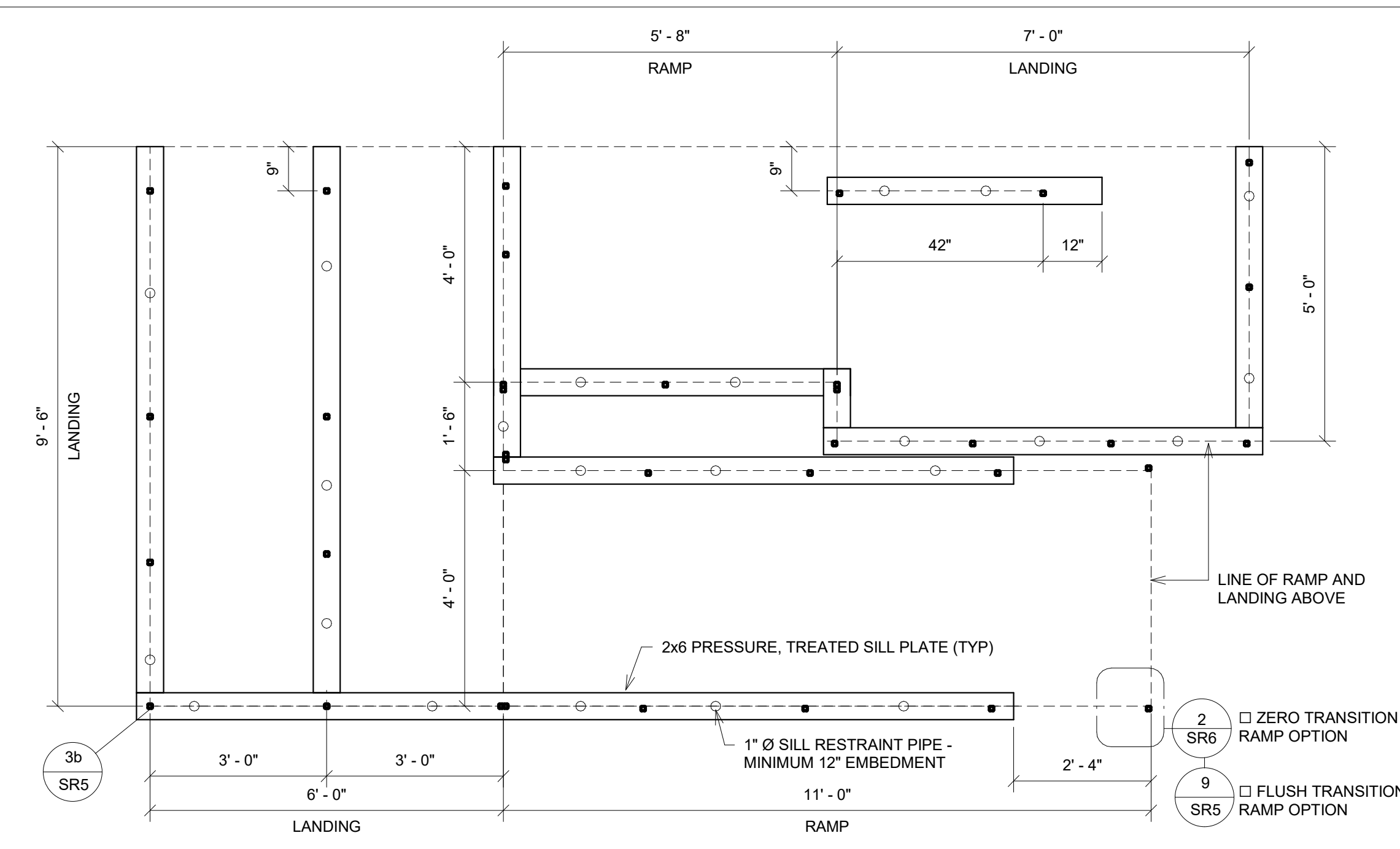
1 1/2" = 1'-0"
Sill Plan For Ramp & Landing



2 1/2" = 1'-0"
Sill Plan For Ramp & Landing Offset



3 1/2" = 1'-0"
Platform Sill Plan For Ramp & Landing



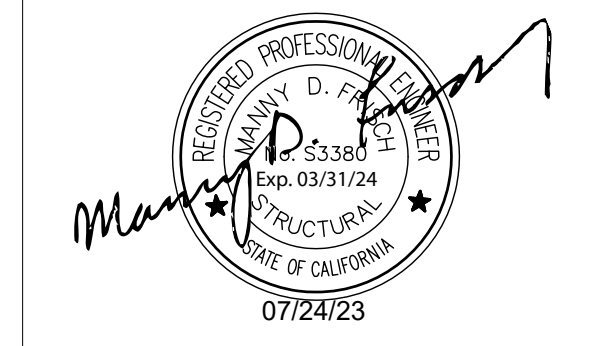
4 1/2" = 1'-0"
Sill Plan For Ramp & Landing Switchback

RESTRAINING PIPES / RODS SPECS
 ONE INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL 0.0) NOT DIPPED GALVANIZED PIPES OR ONE INCH DIAMETER SOLID STEEL RODS SPACED AT NOT MORE THAN 10'-0" o/c.
 ONE PIPE / ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND MINIMUM OF TWO PIPES / RODS PER DISCONTINUOUS FOUNDATION STRIP. PIPES SHOULD PENETRATE INTO SOIL AND/OR PAVING A MIN. OF 12" MEASURED VERTICALLY. PER DSA IR 16-1

PROJECT SPECIFIC STATE AGENCY APPROVAL



PROFESSIONAL STAMP

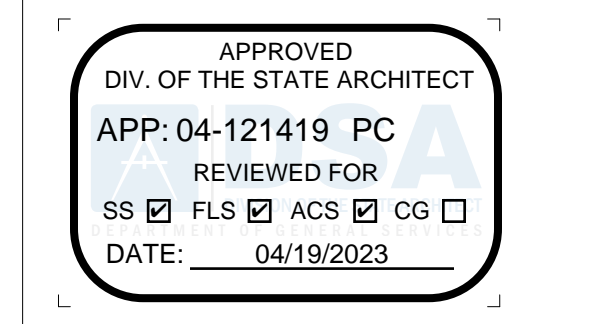


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ORIGINAL PC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date
22079		

PRE-CHECK (PC) DOCUMENT

Code: 2022 CBC
 A separate project application for construction is required

PROJECT TITLE

RAMPS PC
CLASS LEASING
 PC#04-121419

SHEET TITLE

Foundation Plan

PROJECT NUMBER

22079

DRAWN BY

SM

CHECKED BY

rMc

DATE

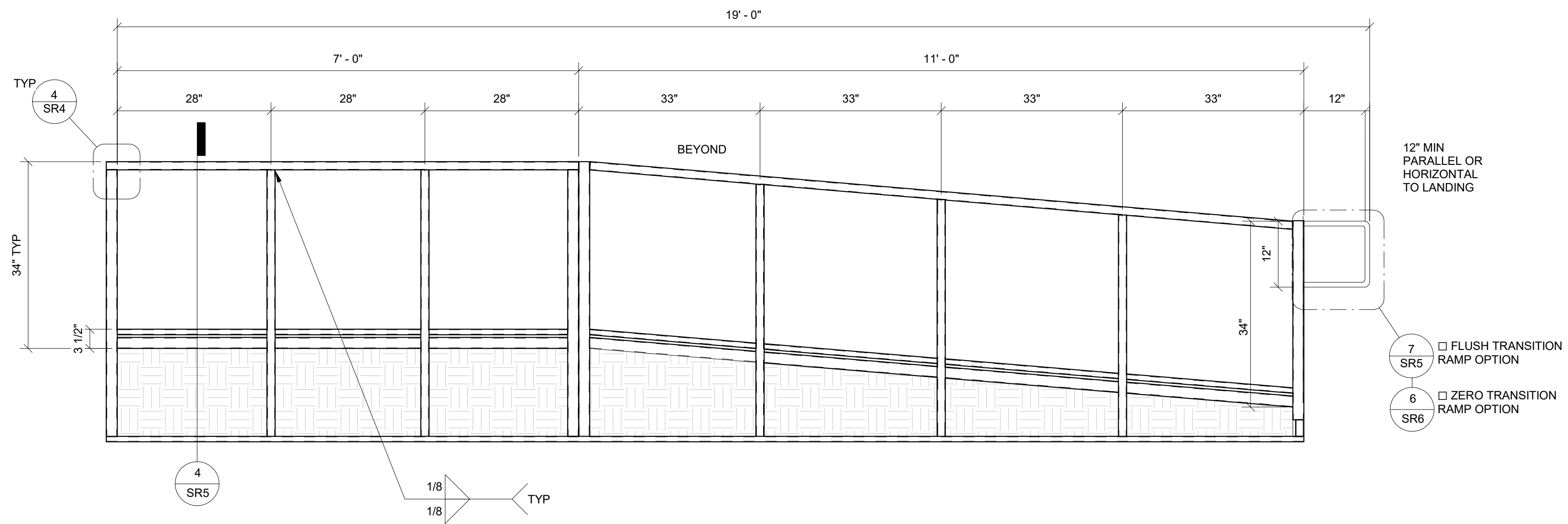
12/23/2022

SHEET NO.

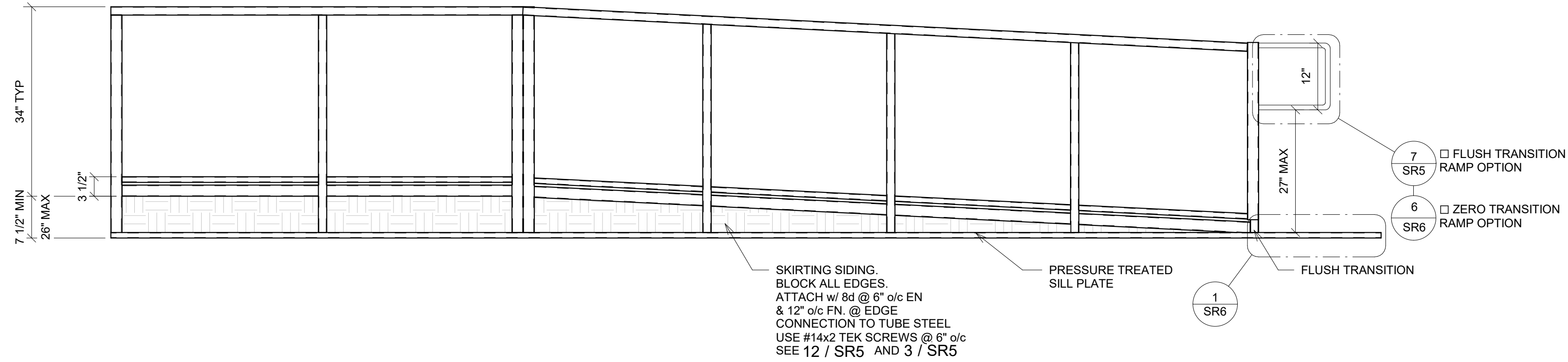
SR3

SHEET OF

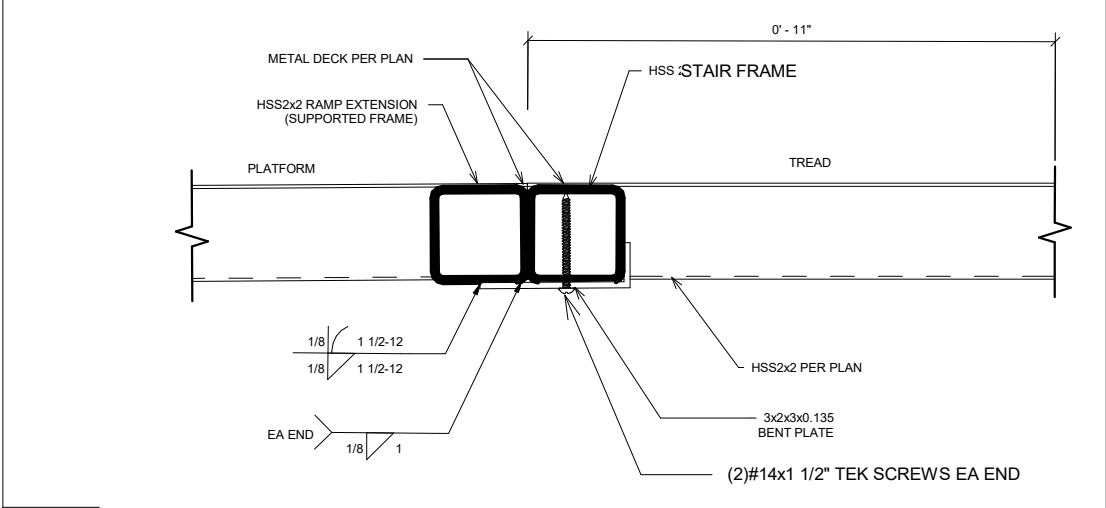
6/15/2021 7:29:26 PM M:\2020\20093 - Class Leasing, 24x40 - 120x40 2022 CBC Updates\REV\TRSH\20093 - Aries, Ramps and Stairs PC.rvt



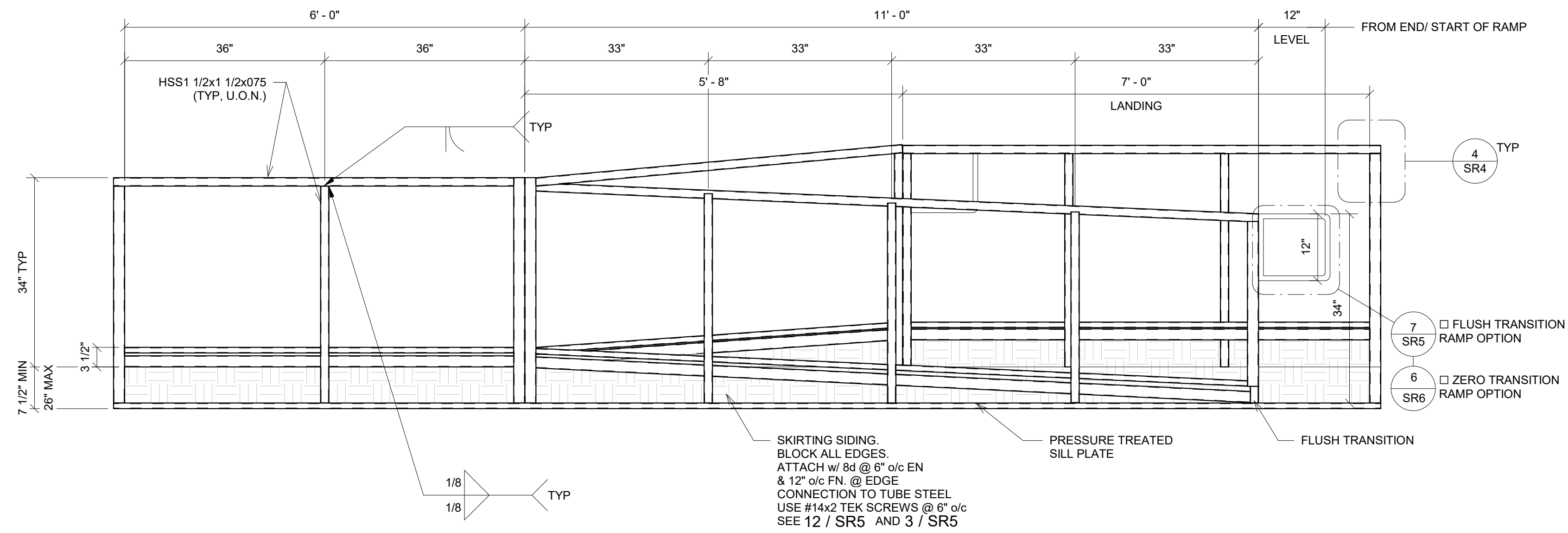
1 3/4" = 1'-0"
Ramp & Landing Elevation



2 3/4" = 1'-0"
Ramp & Landing Elevation Option X Copy 1

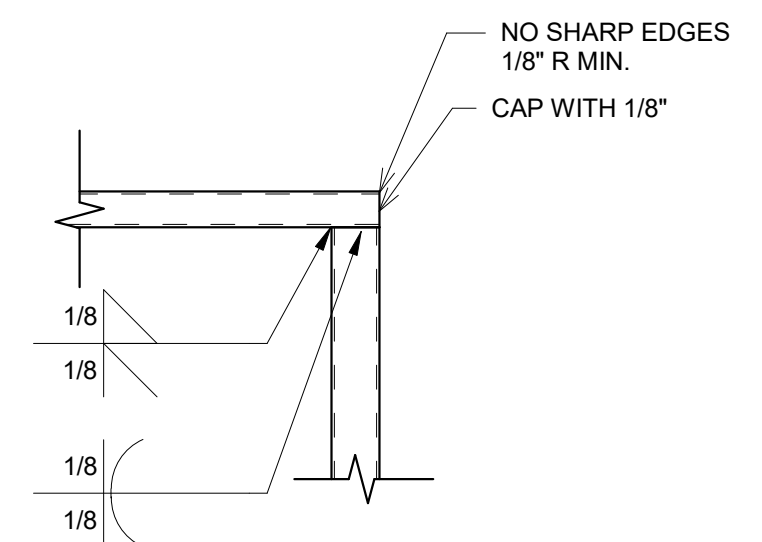


5 3" = 1'-0"
Conn @ Platform



3 3/4" = 1'-0"
Ramp & Landing Elevation Option X

4 1 1/2" = 1'-0"
Ramp & Landing Elevation Option X1 - Callout 1



PROJECT SPECIFIC STATE AGENCY APPROVAL



PROFESSIONAL STAMP

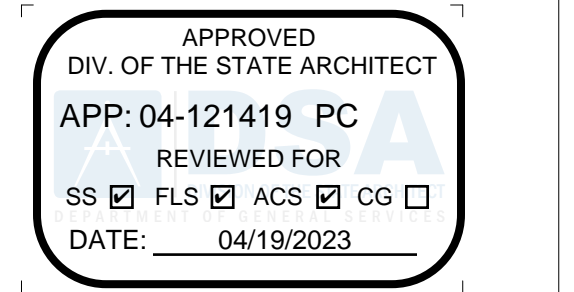


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ORIGINAL PC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date
22079		

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-121419

SHEET TITLE
Ramp and Landing / Stair Framing Elevation

PROJECT NUMBER
22079

DRAWN BY
SM

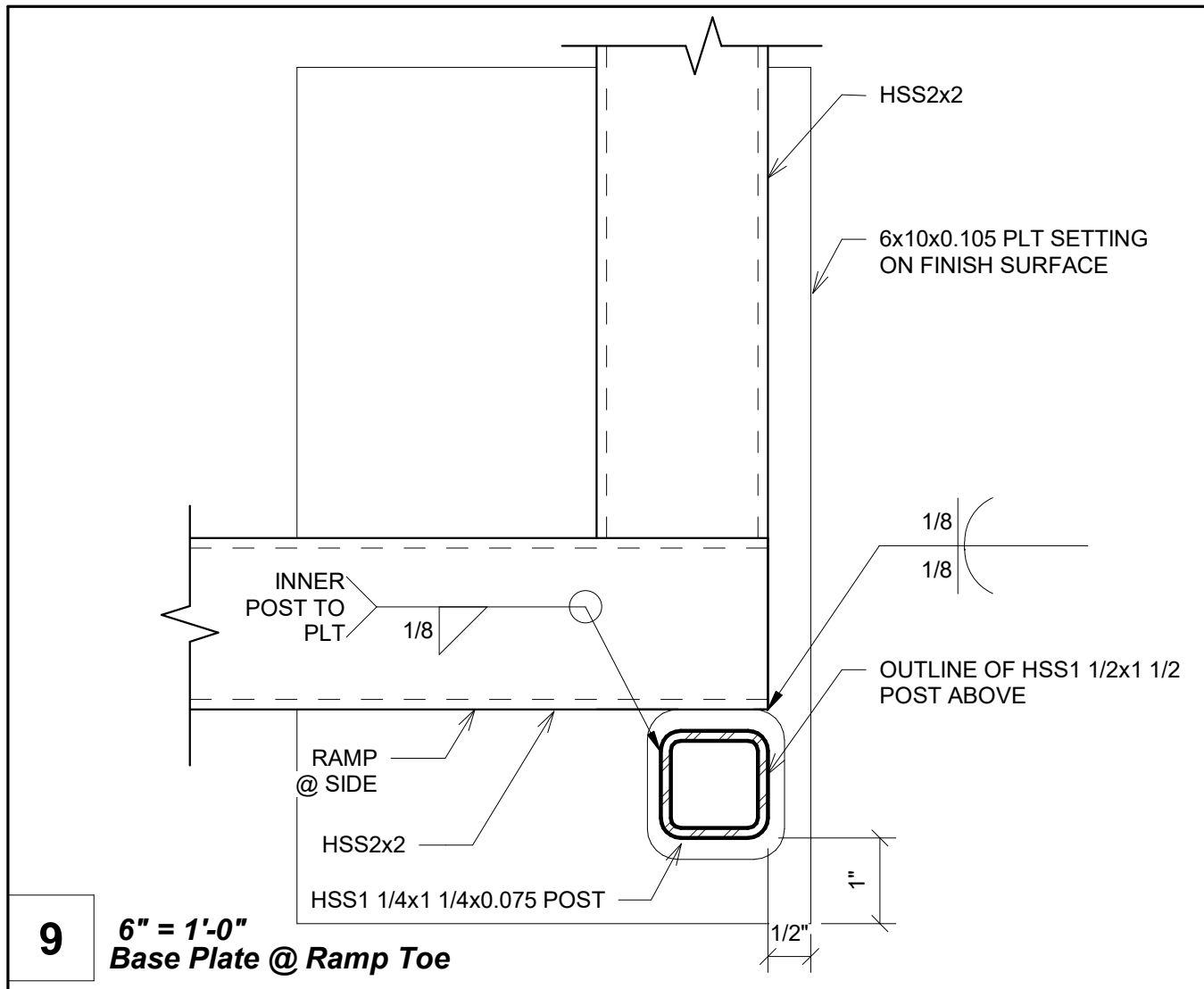
CHECKED BY
rMc

DATE
12/23/2022

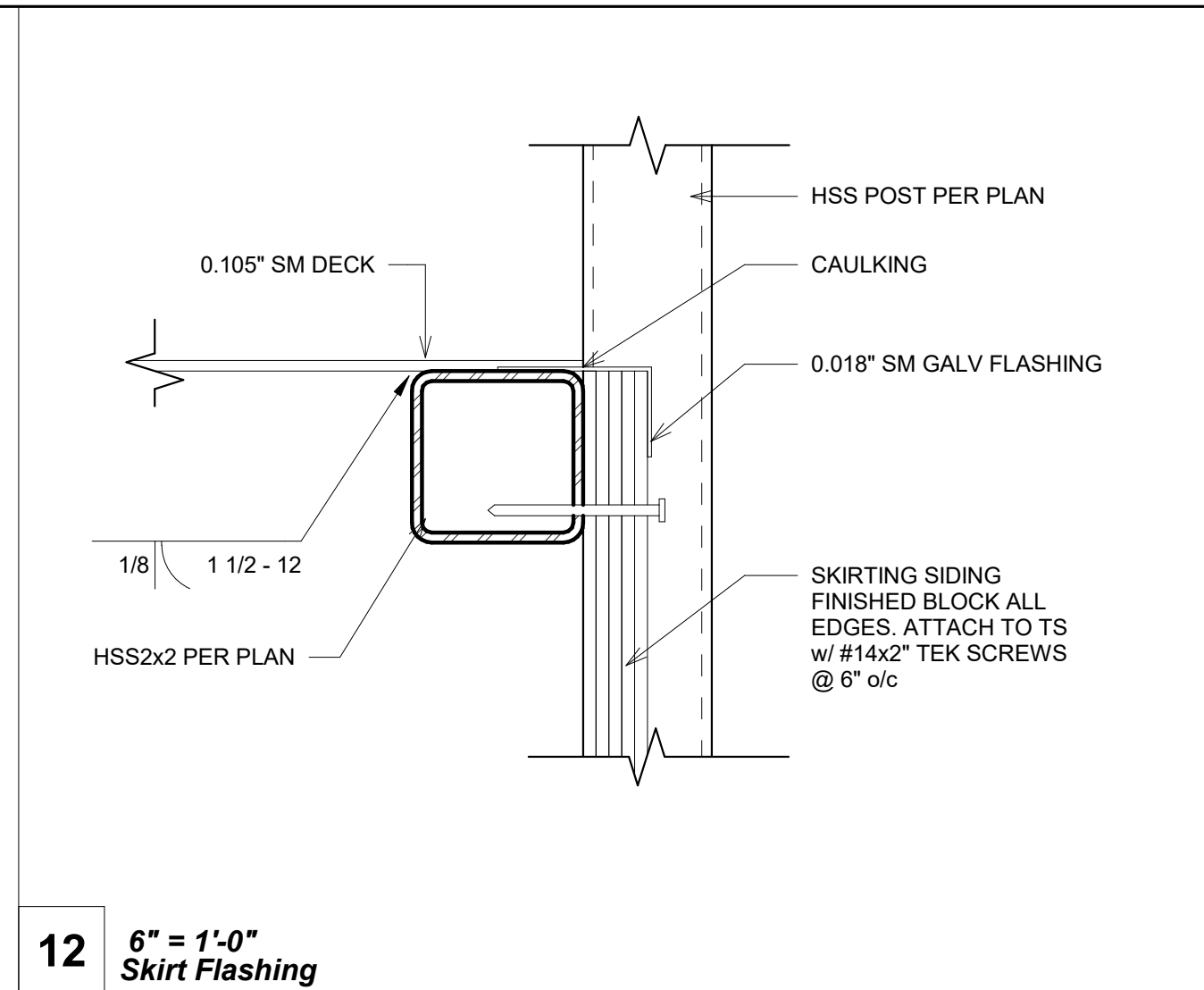
SHEET NO.
SR4

SHEET OF

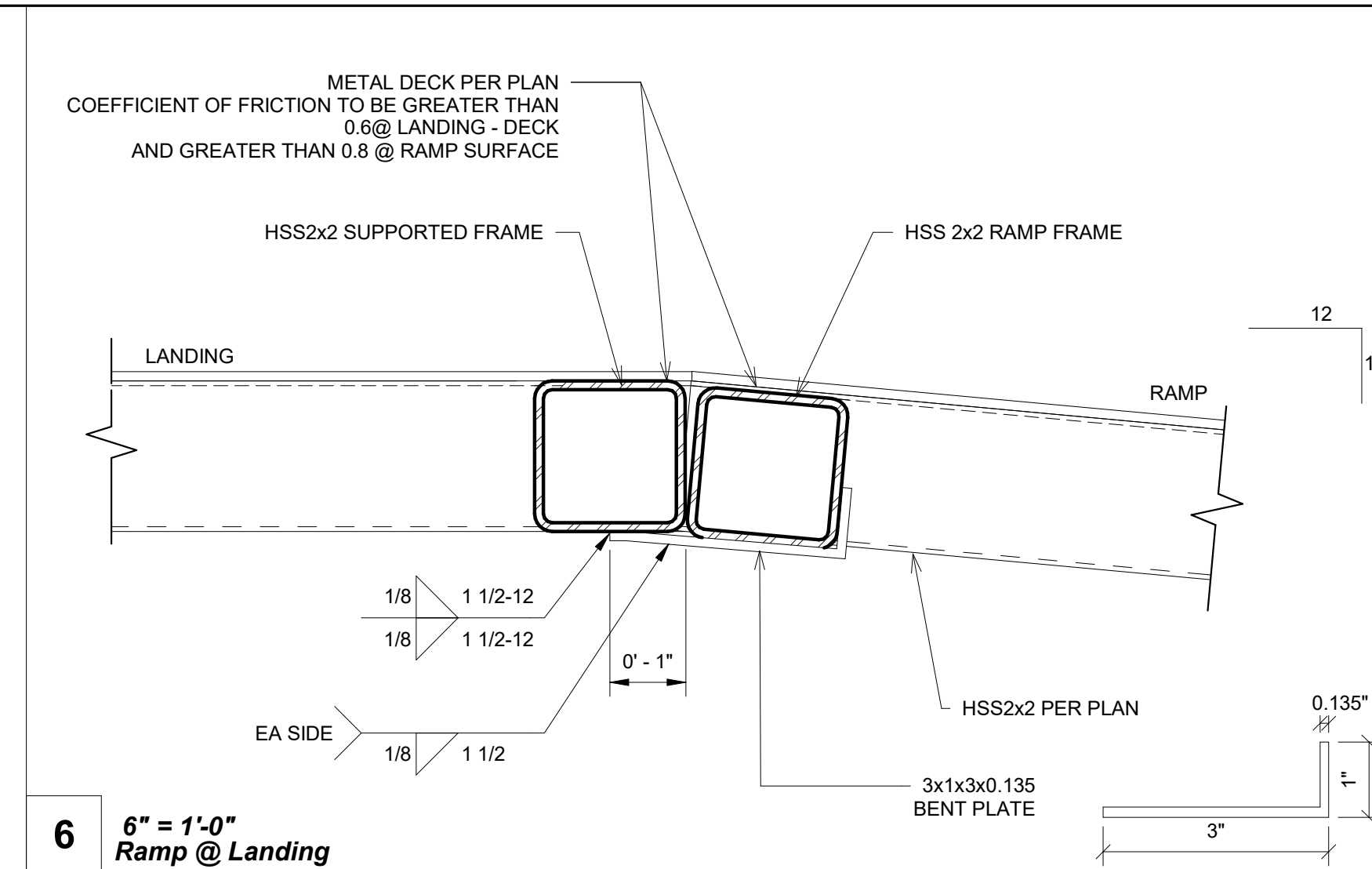
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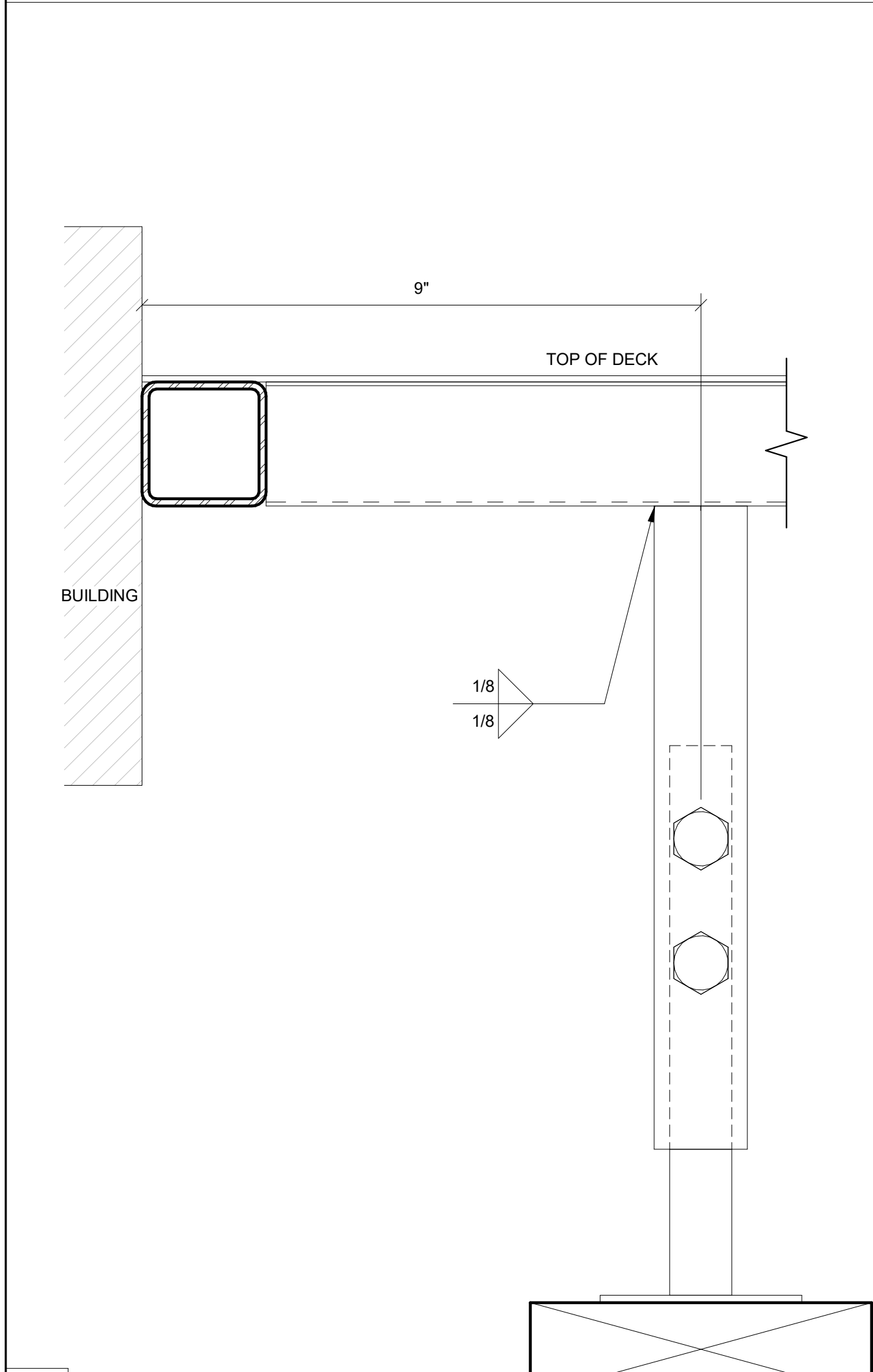
9 6" = 1'-0" Base Plate @ Ramp Toe



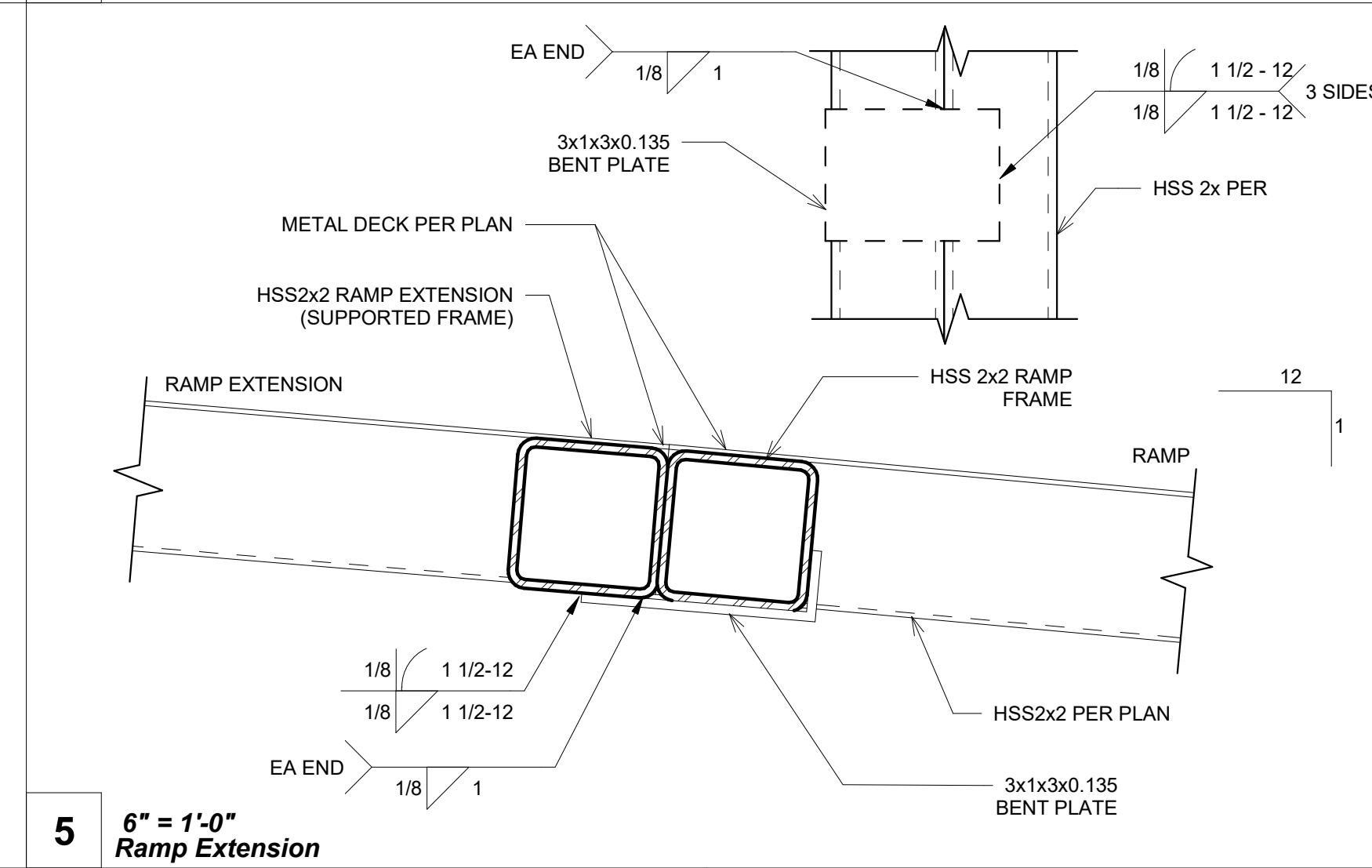
12 6" = 1'-0" Skirt Flashing



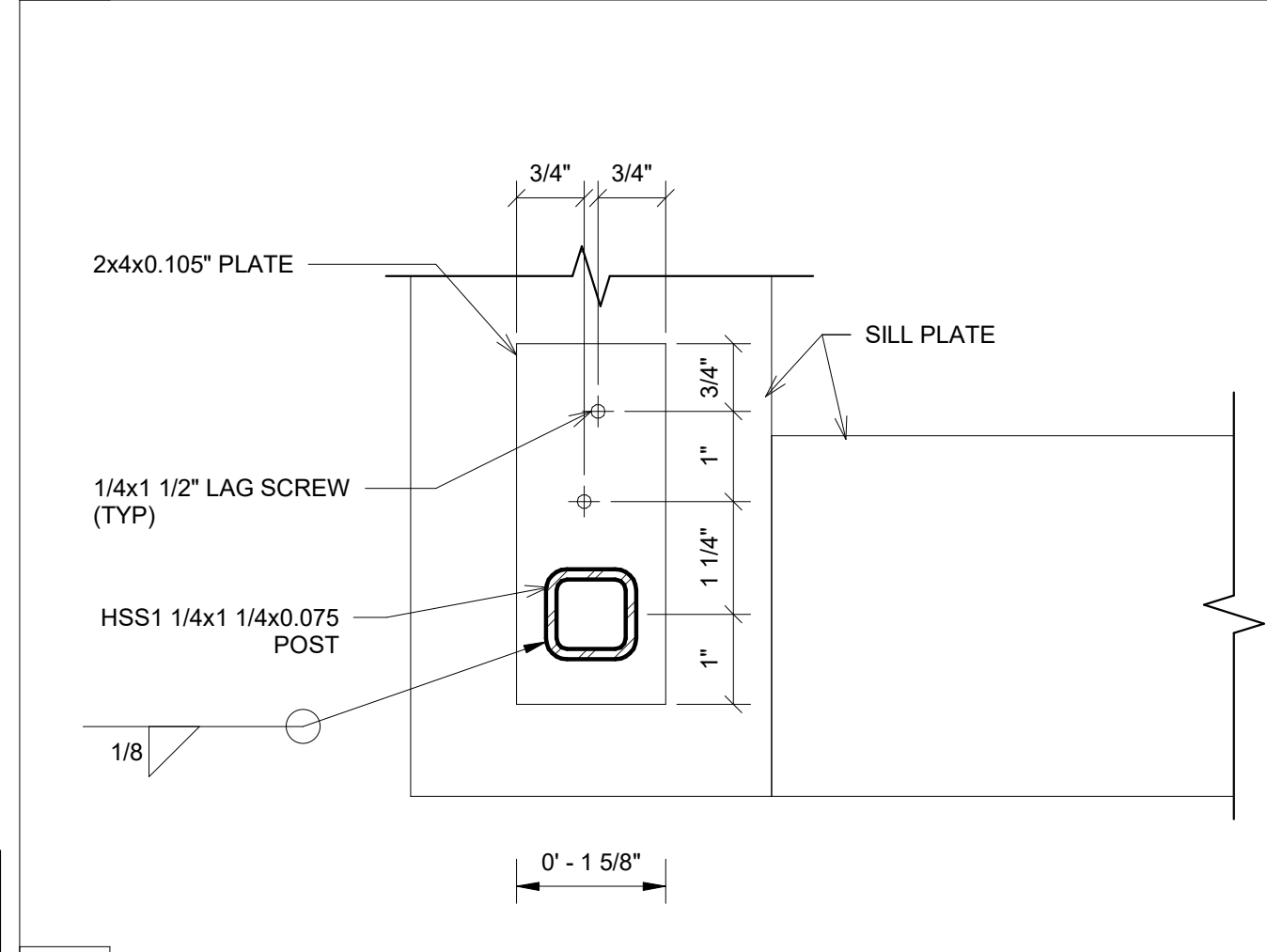
6 6" = 1'-0" Ramp @ Landing



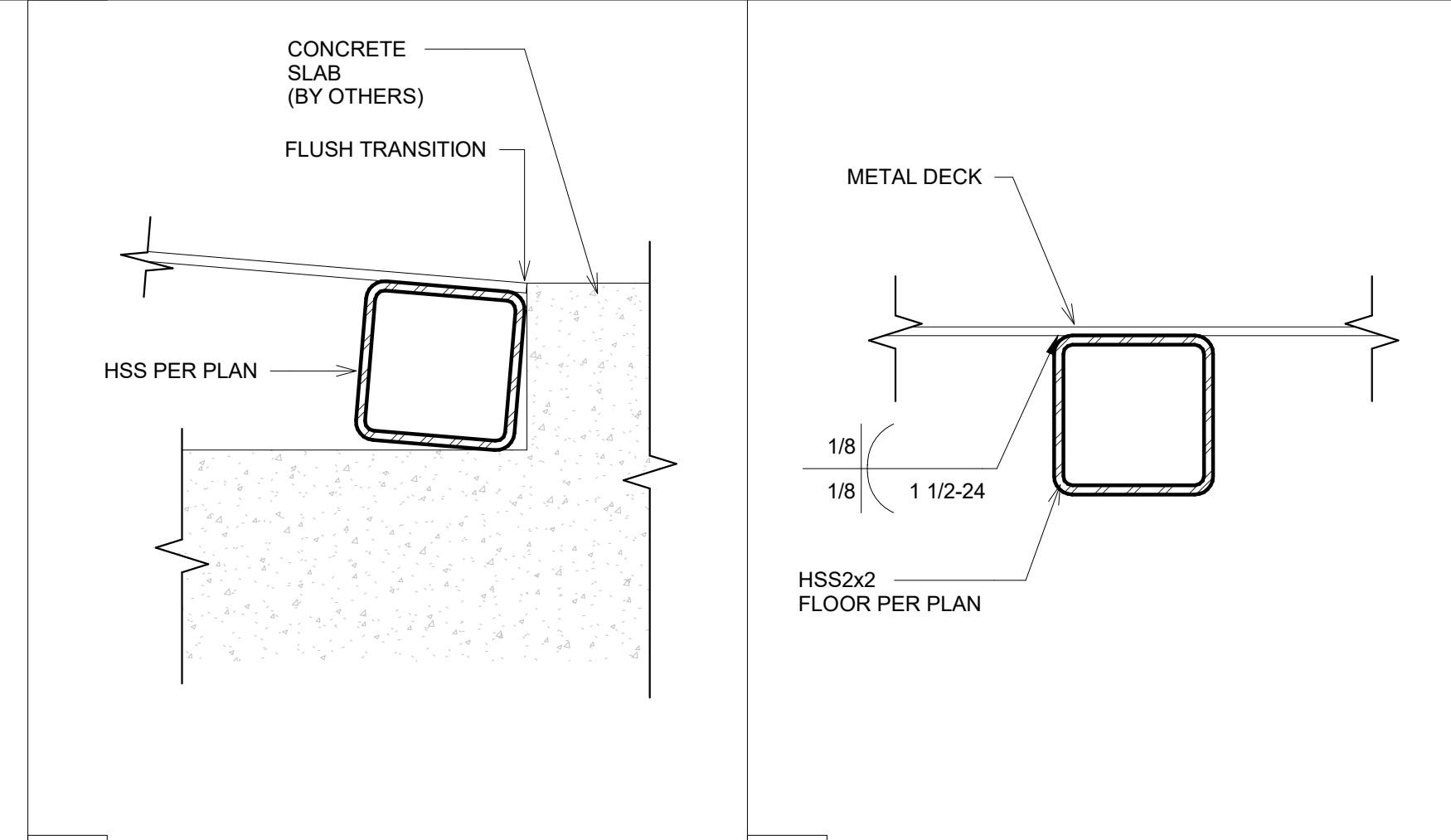
3 6" = 1'-0" Skirt Flashing @ Sill Plate



5 6" = 1'-0" Ramp Extension



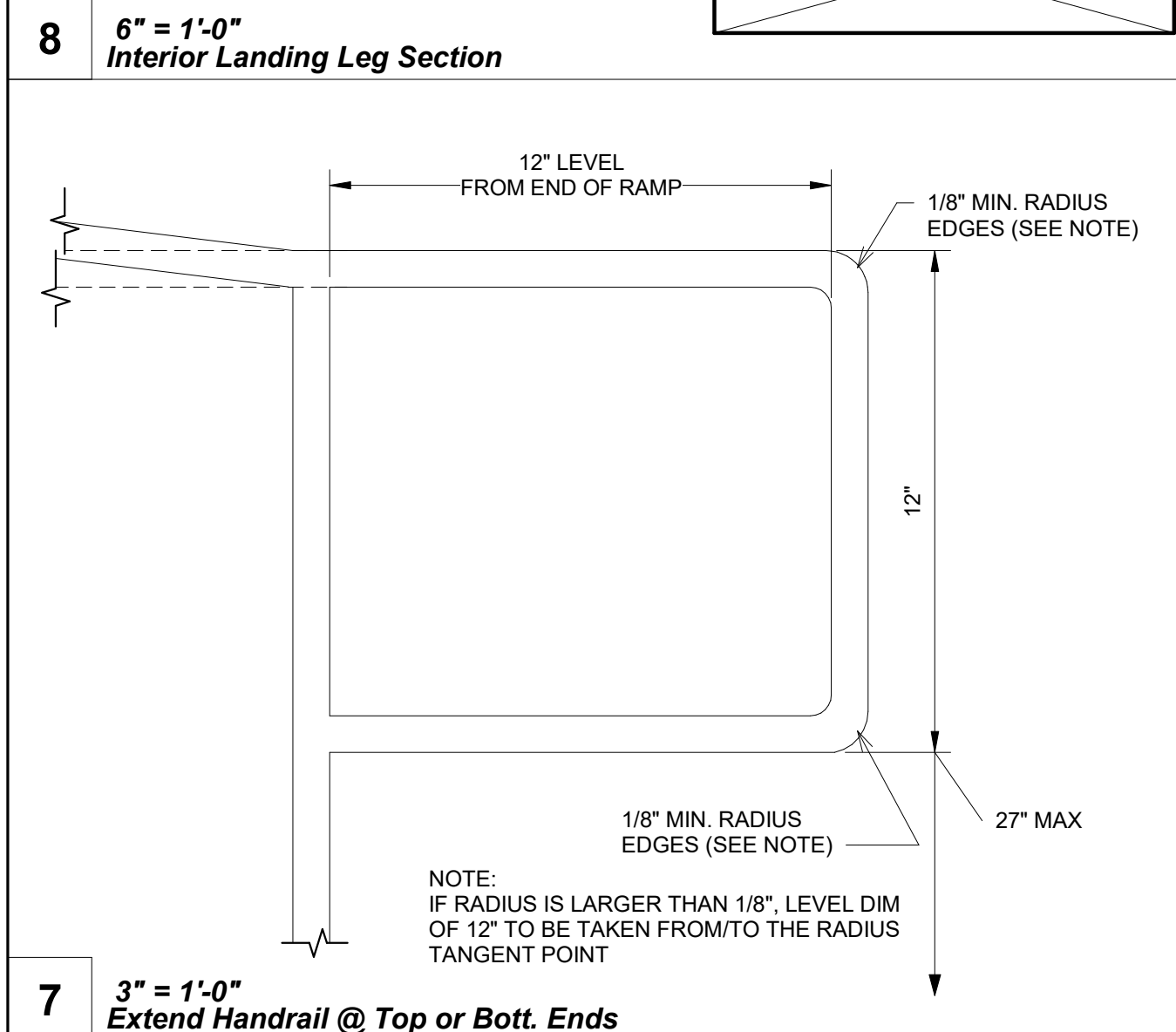
3b 6" = 1'-0" Adjustable Leg Base Plate



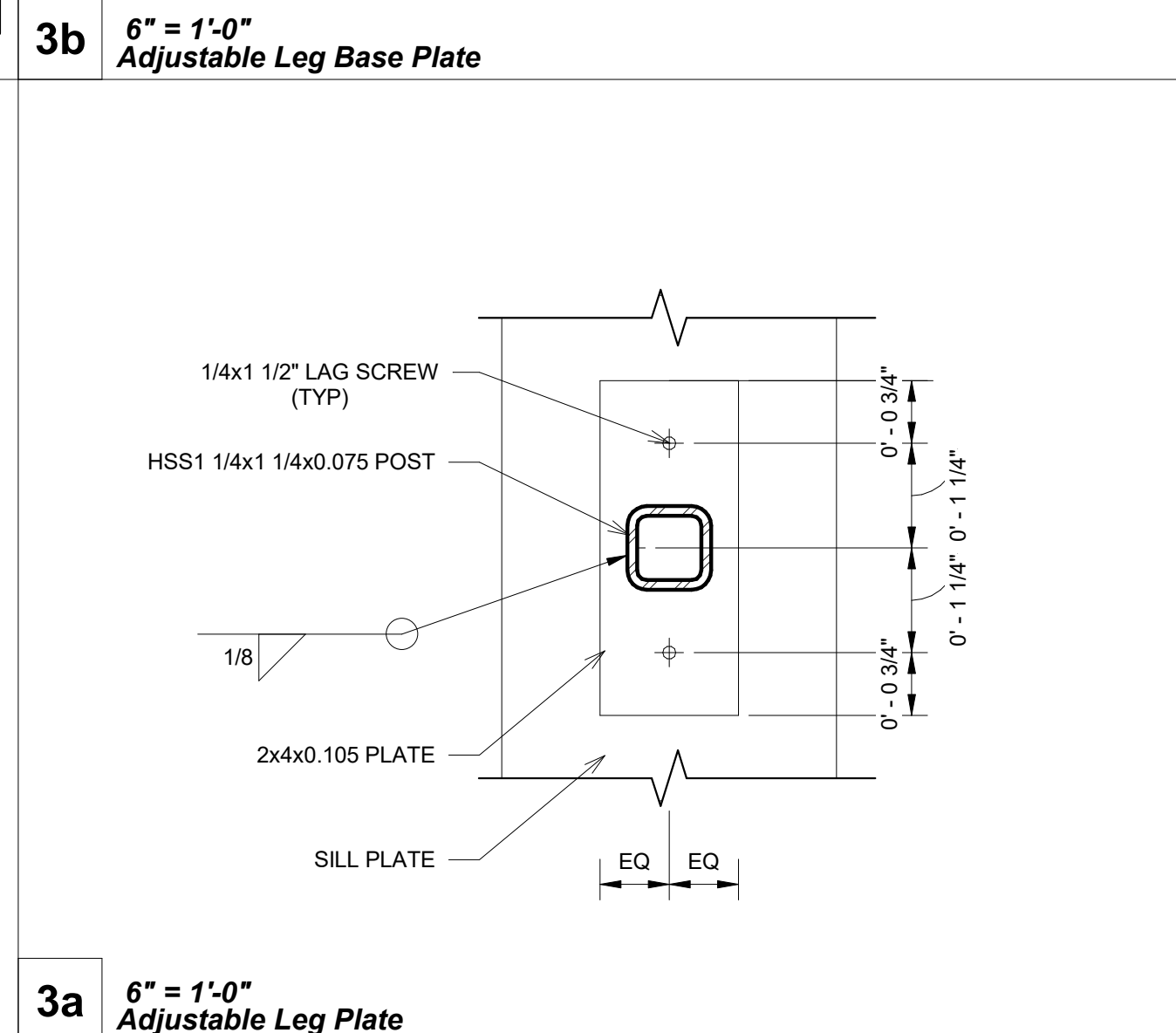
10 6" = 1'-0" Flush Transition @ Bottom of Ramp



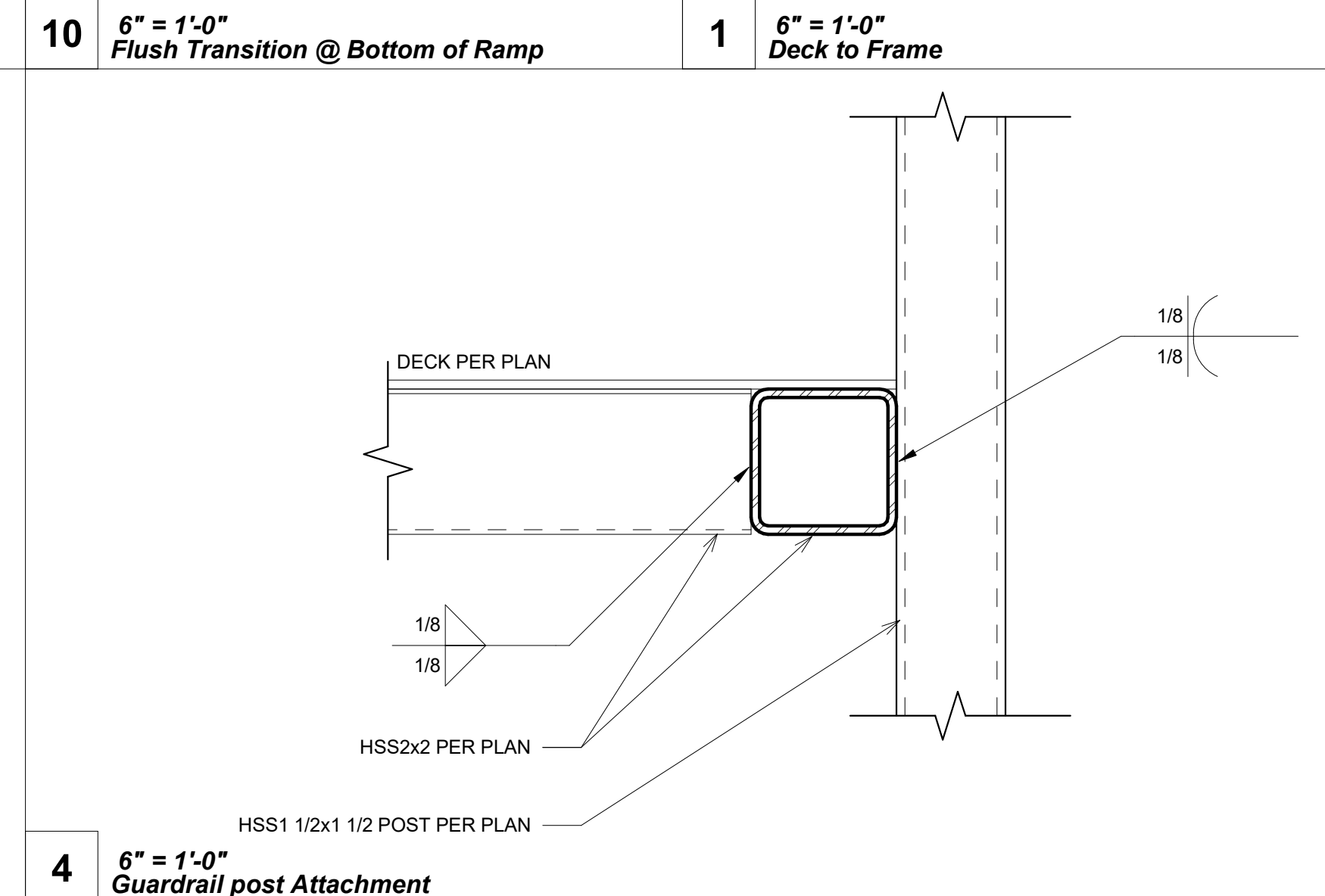
1 6" = 1'-0" Deck to Frame



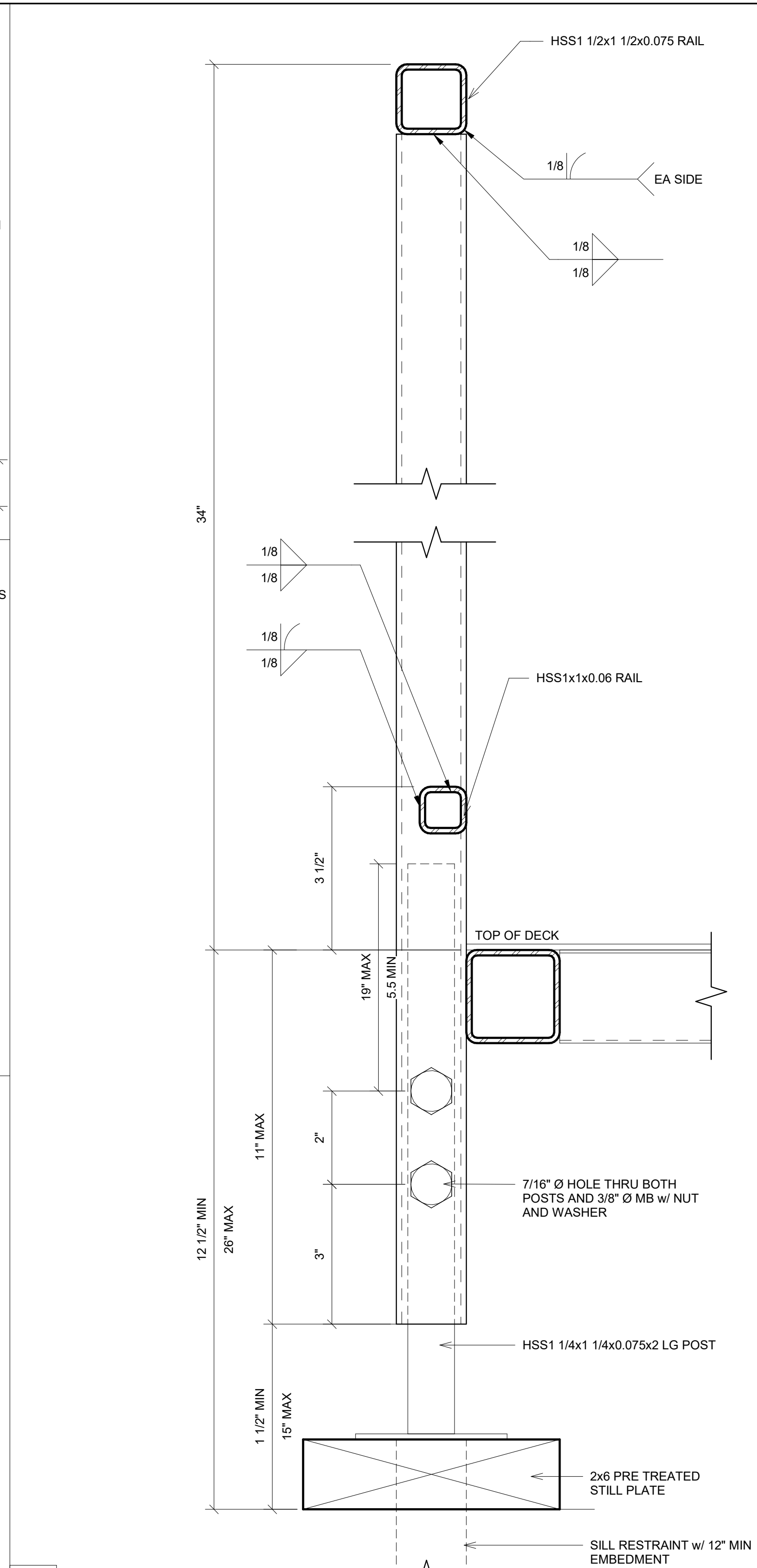
7 3" = 1'-0" Extend Handrail @ Top or Bott. Ends



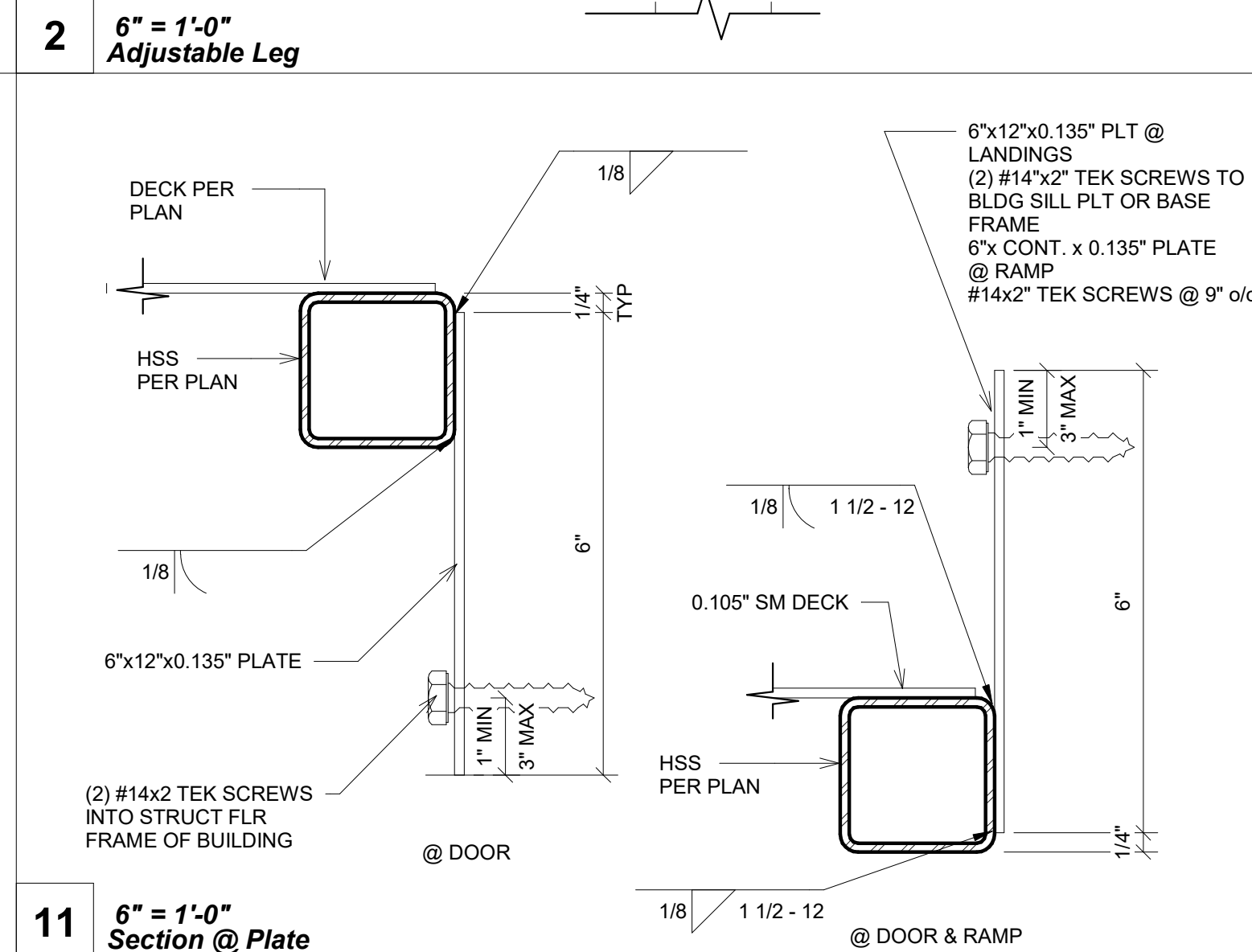
3a 6" = 1'-0" Adjustable Leg Plate



4 6" = 1'-0" Guardrail post Attachment



2 6" = 1'-0" Adjustable Leg

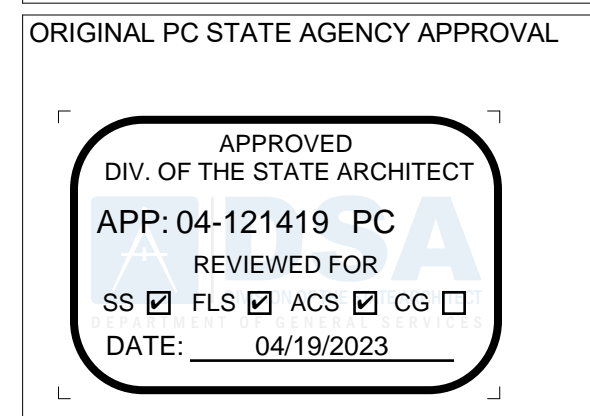


11 6" = 1'-0" Section @ Plate

PROJECT SPECIFIC STATE AGENCY APPROVAL



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Revision Schedule

#	Description	Date
22079		

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-121419

SHEET TITLE
Ramp Details

PROJECT NUMBER
22079

DRAWN BY
SM

CHECKED BY
rMc

DATE
12/23/2022

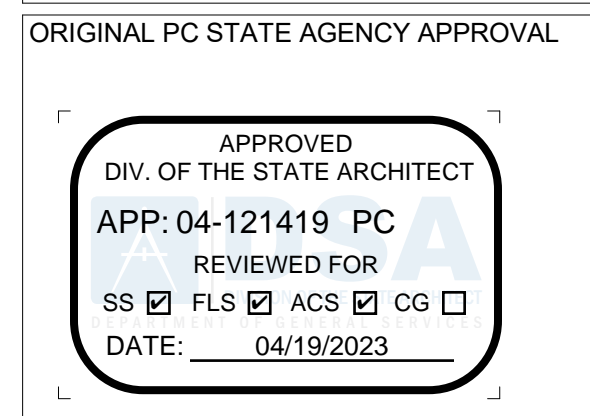
SHEET NO.
SR5

SHEET OF



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CLIENT
Class Leasing
 1320 W. Oleander Ave, Perris CA 92571-7408
 VOICE (951) 943-1908/Fax (951) 943-5768



Revision Schedule

#	Description	Date
22079		

PRE-CHECK (PC) DOCUMENT
 Code: 2022 CBC
 A separate project application for construction is required

PROJECT TITLE
RAMPS PC
 CLASS LEASING
 PC#04-121419

SHEET TITLE
Stair Conn

PROJECT NUMBER
 22079

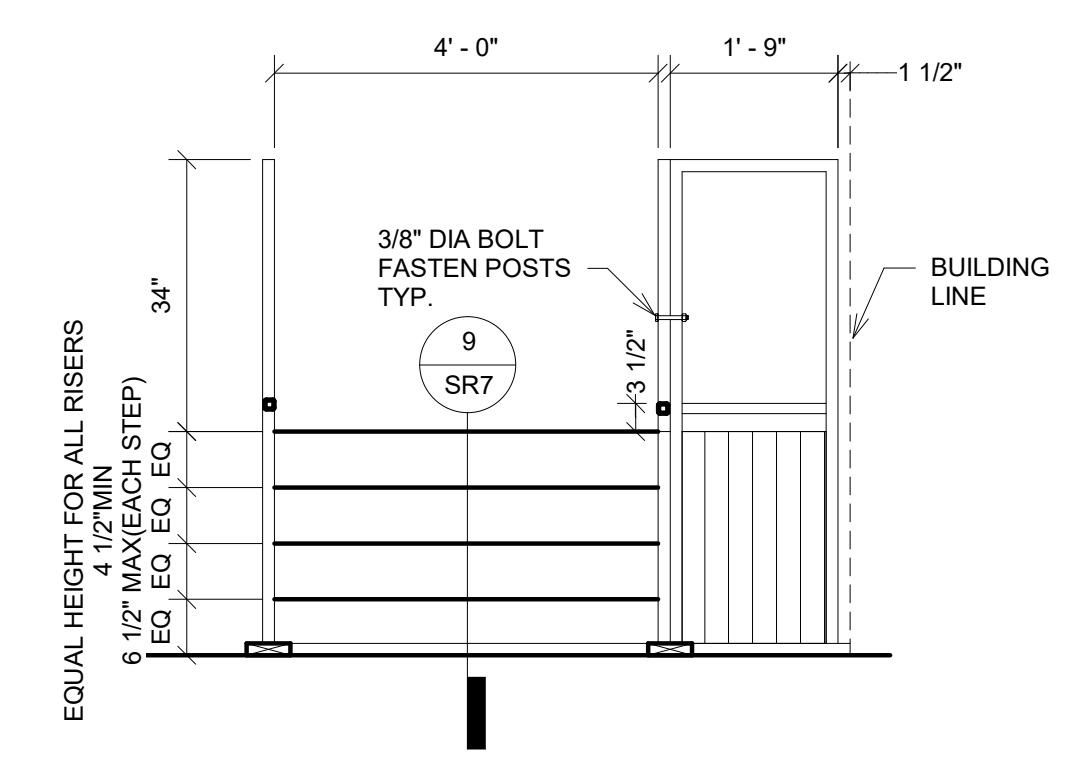
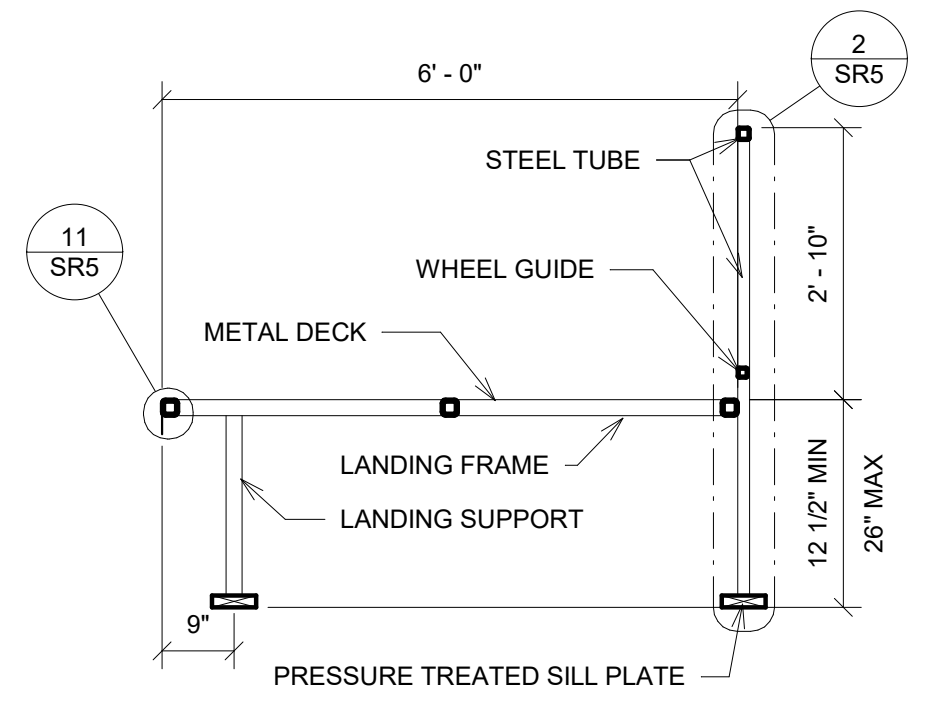
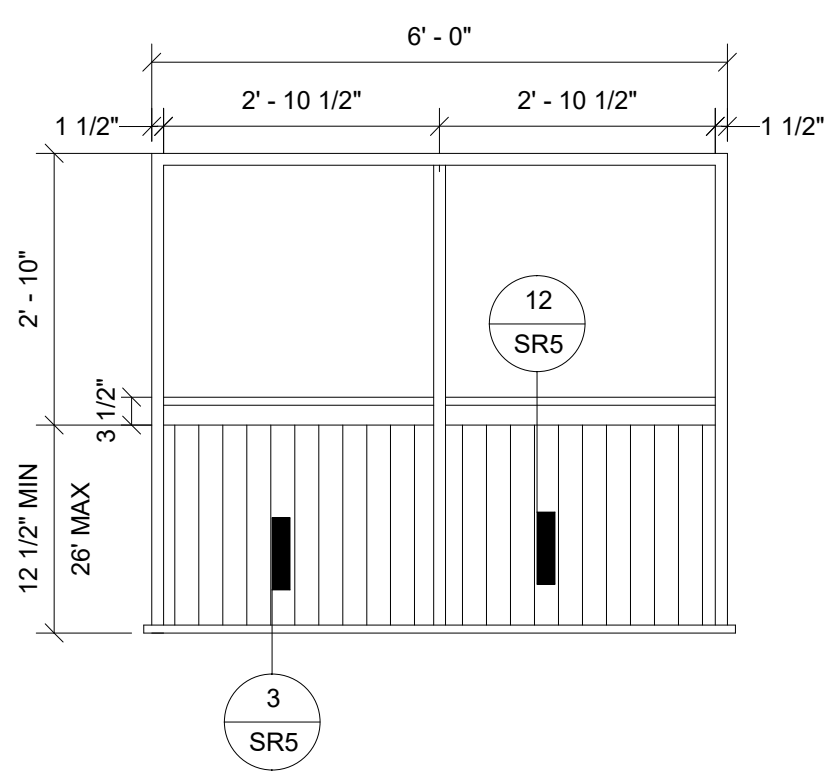
DRAWN BY
 rMc

CHECKED BY
 BR

DATE
 12/23/2022

SHEET NO.
SR7

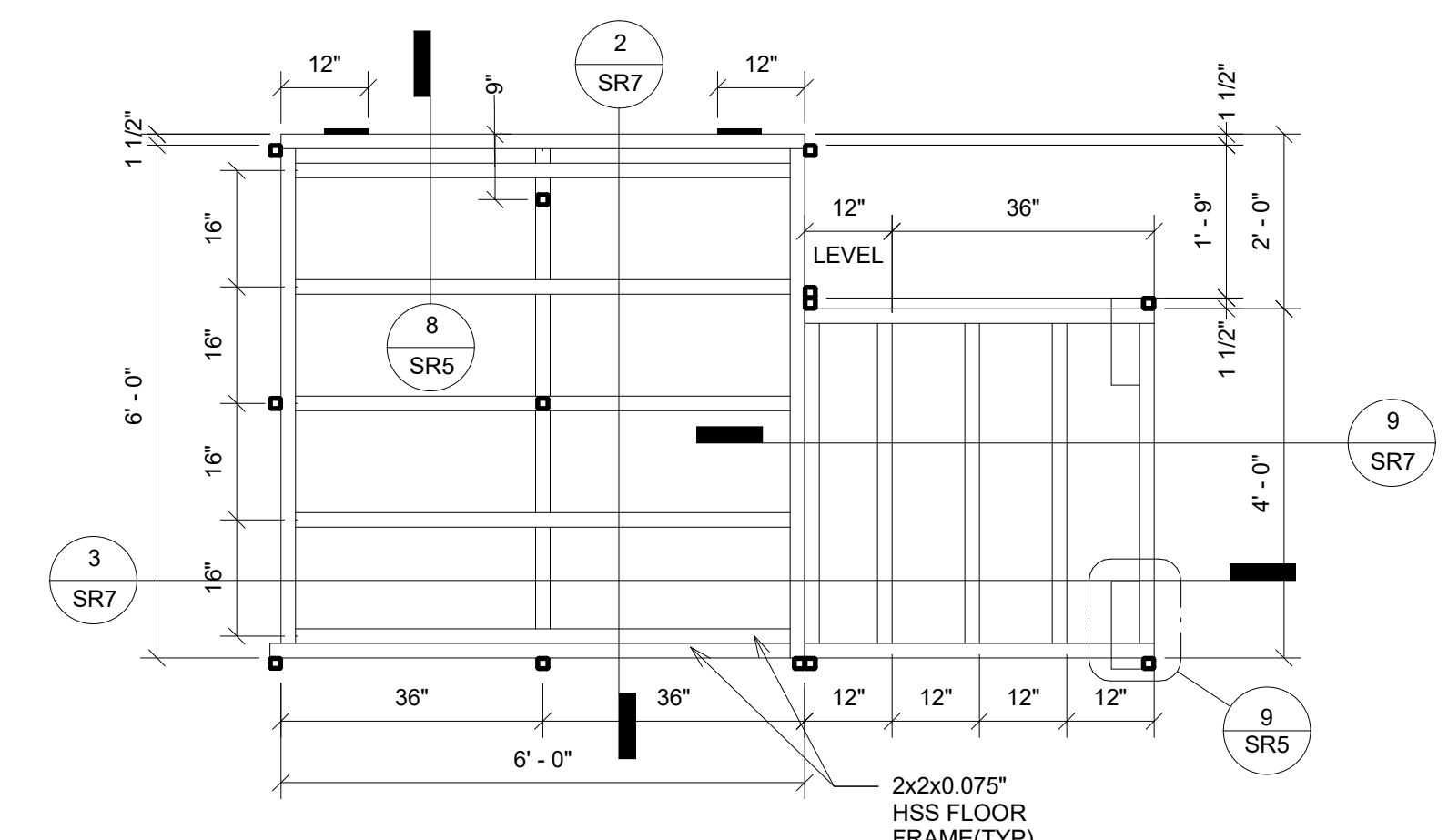
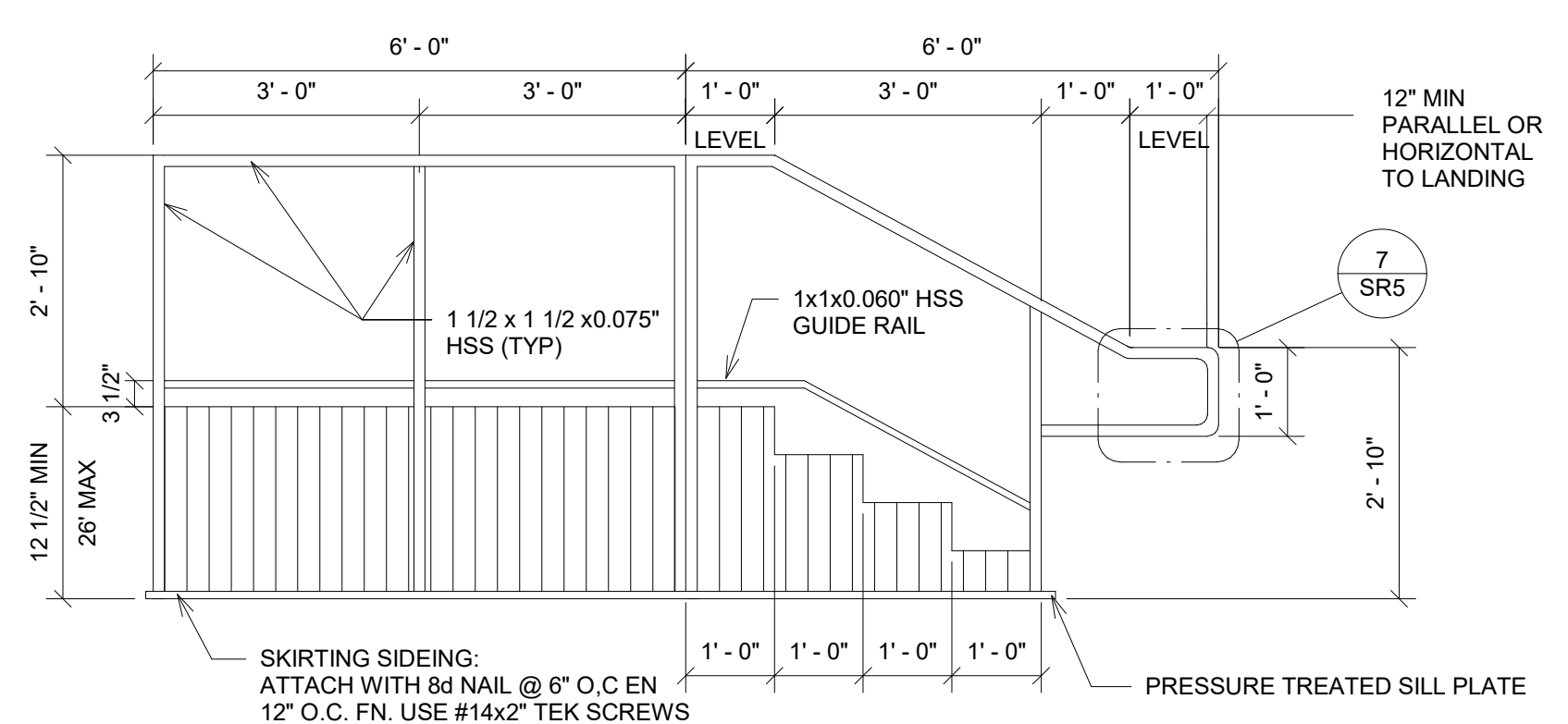
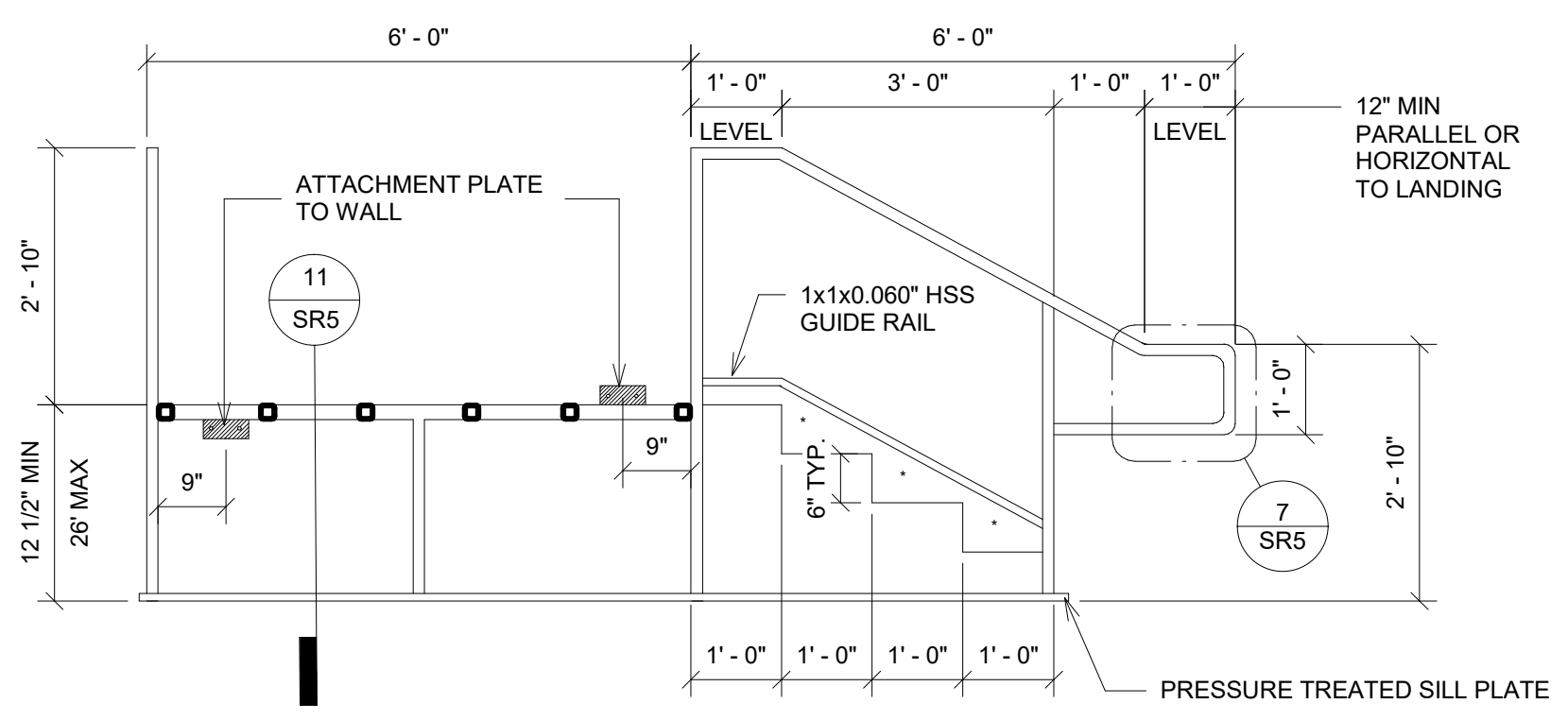
SHEET OF



1 1/2" = 1'-0"
 LANDING ELEVATION VIEW

2 1/2" = 1'-0"
 LANDING SECTION

6 1/2" = 1'-0"
 STEPS ELEVATION



3 1/2" = 1'-0"
 STEP AND LANDING SECTION

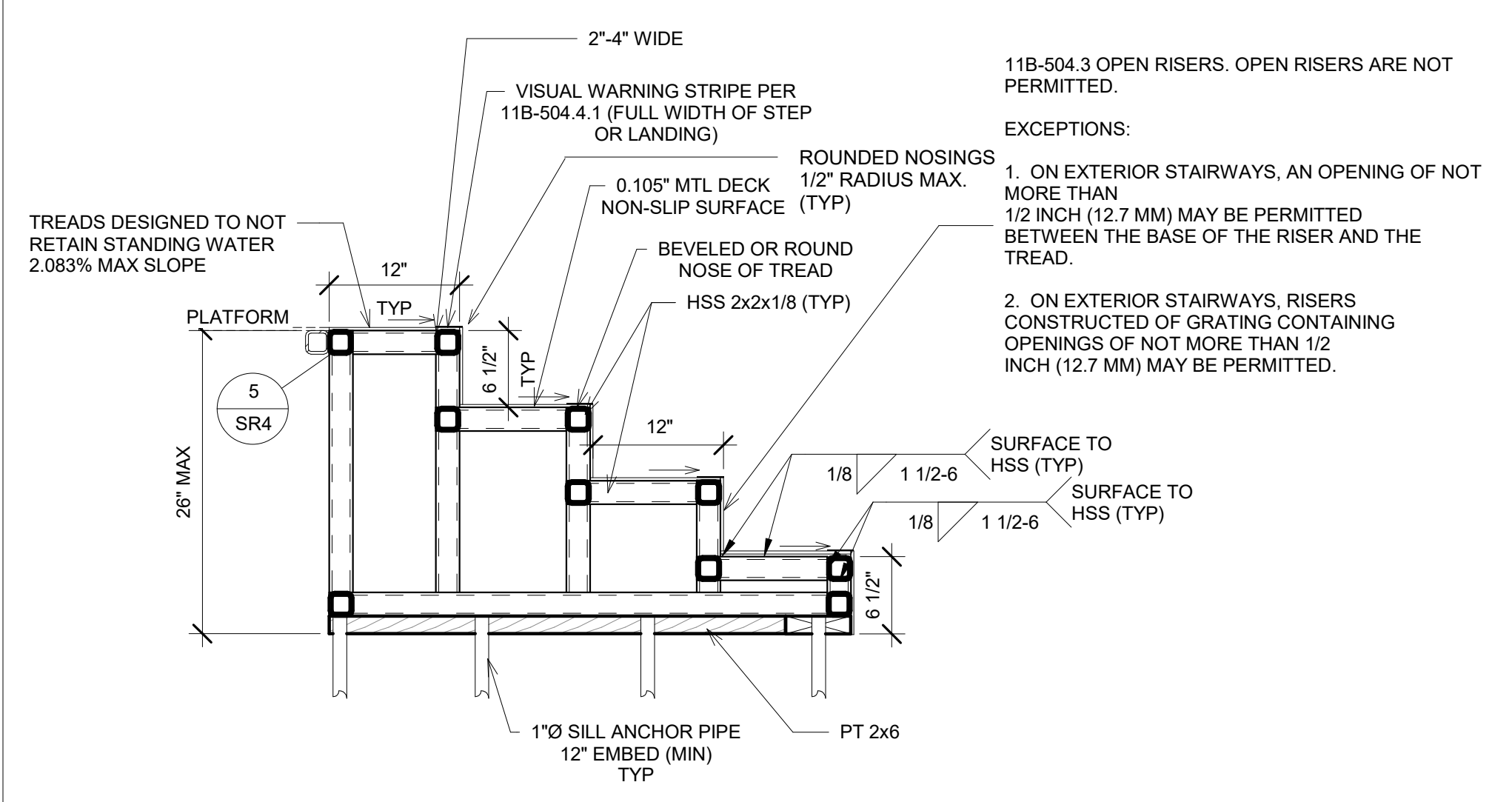
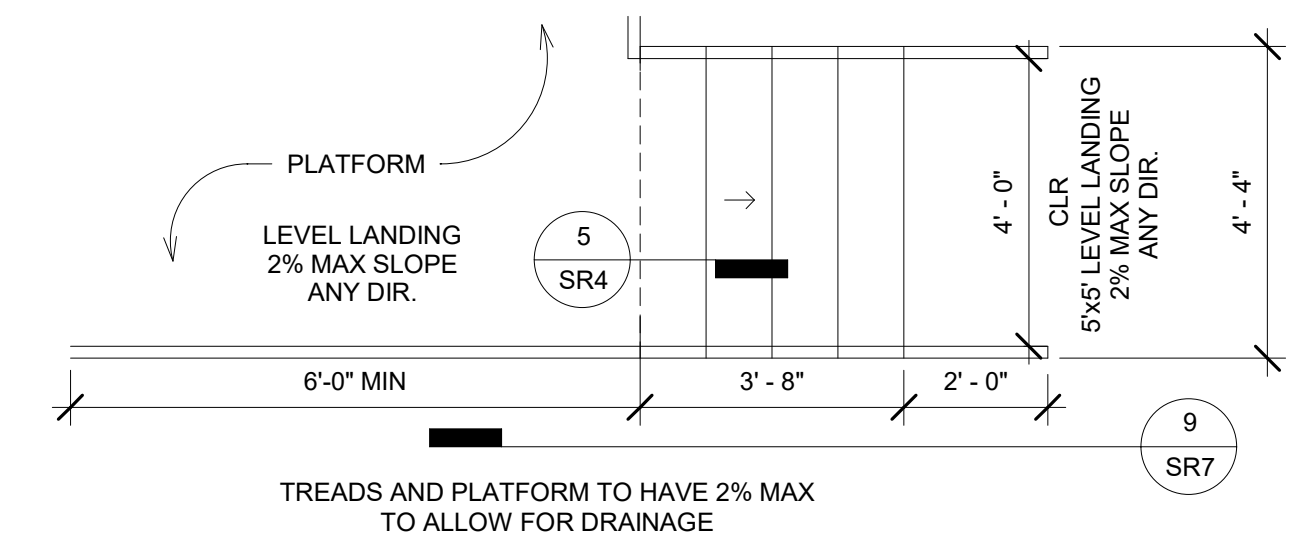
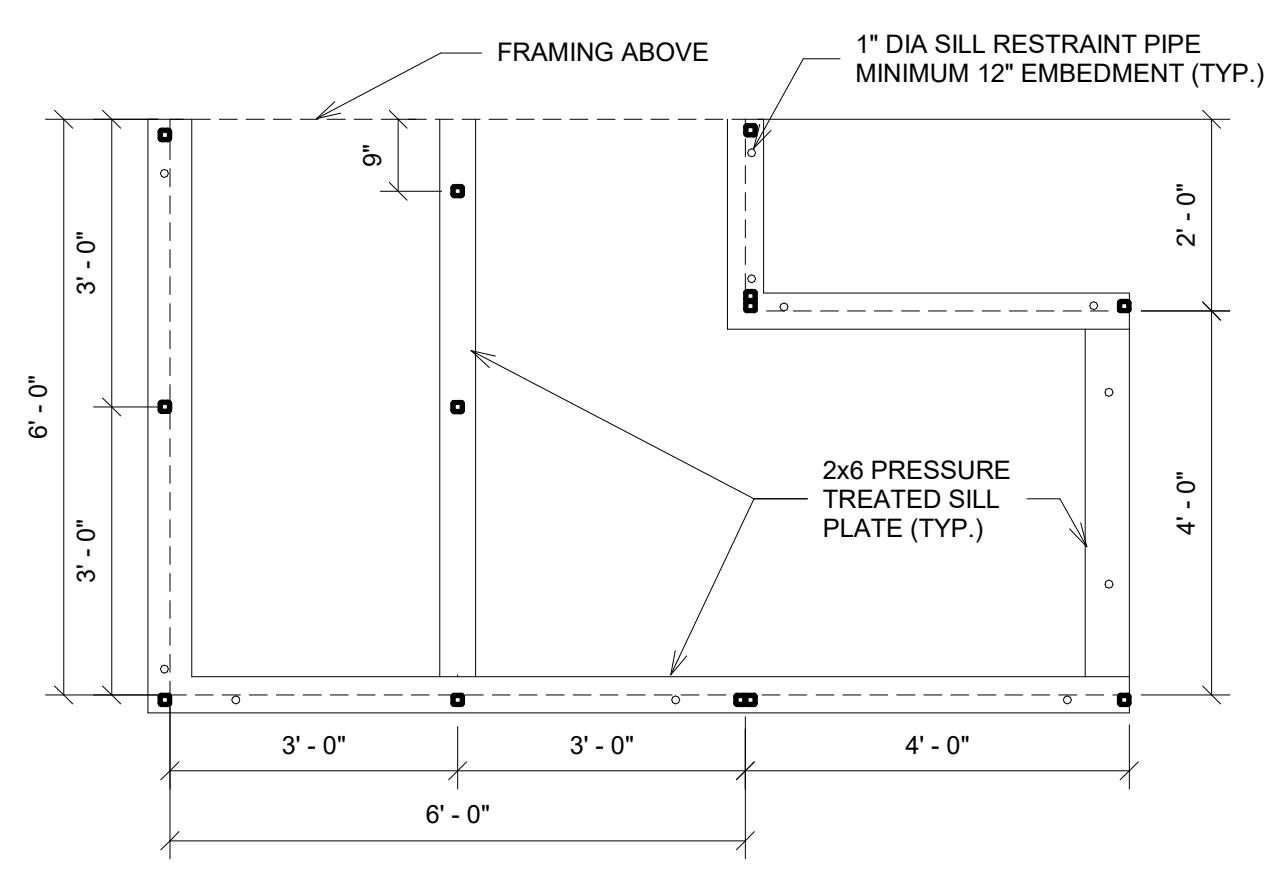
4 1/2" = 1'-0"
 STEPS AND LANDING SECTION

5 1/2" = 1'-0"
 STEPS/LANDING FRAMING PLAN

*THE TRIANGULAR OPENING AT THE OPEN SIDES OF A STAIR FORMED BY THE RISER, TREAD, AND BOTTOM RAIL SHALL NOT ALLOW PASSAGE OF A SPHERE 6 INCHES IN DIAMETER PER CBC 1015.4(TYP)

TREADS DESIGNED TO NOT RETAIN STANDING WATER
 2.083% MAX SLOPE

TREADS DESIGNED TO NOT RETAIN STANDING WATER
 2.083% MAX SLOPE



7 1/2" = 1'-0"
 SILL PLAN

8 3/8" = 1'-0"
 Stair

9 1" = 1'-0"
 Stair Elev

6/15/2021 7:29:30 PM M:\2020\20093 - Class Leasing, 24x40 - 120x40 2022 CBC Updates\REV\T\SR7\20093 - Aries, Ramps and Stairs PC.rvt