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SHEET INDEX	
ID	Name
G100	COVER SHEET-001 REV 02-25-2026
G101	ARCHITECTURAL-SCHEMATIC RENDERINGS-001 REV 02-25-2026
G102	ARCHITECTURAL-CODE PLANS I-001 REV 02-25-2026
G103	ADA/TAS-001 REV 02-25-2026
G104	US ACCESS BOARD DETAILS-001 REV 02-25-2026
C1	CIVIL-TITLE SHEET-IFC 05-15-2025
C2	CIVIL-EXISTING CONDITIONS AND DEMOLITION PLAN-IFC 05-15-2025
C3	CIVIL-GRADING PLAN-001 REV 02-16-2026
C4	CIVIL-UTILITY PLAN-IFC 05-15-2025
C5	CIVIL-SWPPP-IFC 05-15-2025
C6	CIVIL-PAVING DETAILS-IFC 05-15-2025
C7	CIVIL-ADA AND RAMP DETAILS-IFC 05-15-2025
C8	CIVIL-NCWCID#4-WATER DETAILS-IFC 05-15-2025
C9	CIVIL-NCWCID#4-SANITARY DETAILS-IFC 05-15-2025
C10	CIVIL-COPA-GAS DETAILS-IFC 05-15-2025
L100	LANDSCAPE-PLAN-IFC 05-15-2025
L101	LANDSCAPE-NOTES AND DETAILS-IFC 05-15-2025
L102	LANDSCAPE-IRRIGATION PLAN-IFC 05-15-2025
L103	LANDSCAPE-IRRIGATION NOTES & DETAILS-IFC 05-15-2025
A100	ARCHITECTURAL-SCHEMATIC SITE I-001 REV 02-25-2026
A101	ARCHITECTURAL-FENCING-RAILING PLAN-001 REV 02-25-2026
A200	ARCHITECTURAL-PLANS I-001 REV 02-25-2026
A201	ARCHITECTURAL-PLANS II-001 REV 02-25-2026
A202	ARCHITECTURAL-SCHEMATIC WALL TYPES-001 REV 02-25-2026
A300	ARCHITECTURAL-ROOF DETAILS I-001 REV 02-26-2026
A301	ARCHITECTURAL-ROOF DETAILS II-001 REV 02-26-2026
A400	ARCHITECTURAL-ELEVATIONS/SECTIONS I-001 REV 02-25-2026
A401	ARCHITECTURAL-ELEVATIONS/SECTIONS II-001 REV 02-25-2026
A600	ARCHITECTURAL-SCHEDULES I-001 REV 02-25-2026
A601	ARCHITECTURAL-SCHEDULES II-001 REV 02-25-2026
A602	ARCHITECTURAL-SCHEDULES III-001 REV 02-25-2026
A603	ARCHITECTURAL-FENESTRATION I-001 REV 02-25-2026
A604	ARCHITECTURAL-FENESTRATION II-001 REV 02-25-2026
A800	ARCHITECTURAL-ENLARGED PLANS-001 REV 02-25-2026
A801	ARCHITECTURAL-INTERIOR ELEV. I-001 REV 02-25-2026
A802	ARCHITECTURAL-INTERIOR ELEV. II-001 REV 02-25-2026
S1-1	STRUCTURAL-FOUNDATION AND ROOF FRAMING-001 REV 02-25-2026
S2-1	STRUCTURAL-FOUNDATION DETAILS I-IFC 05-15-2025
S2-2	STRUCTURAL-FOUNDATION DETAILS II-IFC 05-15-2025
S2-3	STRUCTURAL-FOUNDATION DETAILS III-IFC 05-15-2025
S2-4	STRUCTURAL-FOUNDATION DETAILS IV-IFC 05-15-2025
S3-1	STRUCTURAL-FRAMING DETAILS I-IFC 05-15-2025
S3-2	STRUCTURAL-FRAMING DETAILS II-001 REV 02-25-2026
S4-1	STRUCTURAL-GENERAL NOTES-001 REV 02-25-2026
E000	ELECTRICAL-ABBREVIATIONS-IFC 05-15-2025
E001	ELECTRICAL-SYMBOLS-IFC 05-15-2025
E100	ELECTRICAL-SITE PLAN-IFC 05-15-2025
E201	ELECTRICAL-LIGHTING PLAN-IFC 05-15-2025
E301	ELECTRICAL-OVERALL PLAN-IFC 05-15-2025
E302	ELECTRICAL-POWER PLAN I-001 REV 02-25-2026
E303	ELECTRICAL-POWER PLAN II-IFC 05-15-2025
E401	ELECTRICAL-SPECIAL-SYSTEMS-PLAN-IFC 05-15-2025
E500	ELECTRICAL-ONE-LINE DIAGRAM-IFC 05-15-2025
E600	ELECTRICAL-DETAILS-IFC 05-15-2025
M100	MECHANICAL-LEGEND-IFC 05-15-2025
M101	MECHANICAL-OVERALL PLAN-IFC 05-15-2025
M102	MECHANICAL-ENLARGED PLAN I-001 REV 02-25-2026
M103	MECHANICAL-ENLARGED PLAN II-IFC 05-15-2025
M201	MECHANICAL-SCHEDULES I-IFC 05-15-2025
M202	MECHANICAL-SCHEDULES II-IFC 05-15-2025
M301	MECHANICAL-DETAILS I-IFC 05-15-2025
M302	MECHANICAL-DETAILS II-IFC 05-15-2025
P001	PLUMBING-SPECIFICATIONS-IFC 05-15-2025
P002	PLUMBING-NOTES-IFC 05-15-2025
P100	PLUMBING-SITE PLAN-IFC 05-15-2025
P101	PLUMBING-DWV PLAN-IFC 05-15-2025
P102	PLUMBING-WATER PLAN-IFC 05-15-2025
P201	PLUMBING-SCHEDULES-IFC 05-15-2025
P301	PLUMBING-DETAILS-IFC 05-15-2025
P401	PLUMBING-DWV RISER DIAGRAM-IFC 05-15-2025
P402	PLUMBING-WATER RISER DIAGRAM-IFC 05-15-2025

CITY OF PORT ARANSAS LIFEGUARD HEADQUARTERS

303 Ninth Street, Port Aransas, TX 78373

DESIGN CRITERIA / FACILITY DATE/ CODE EVALUATION			PROJECT TEAM	
DESIGN CRITERIA / FACILITY DATA / CODE EVALUATION		2/25/2026		
Site Address	Ninth Street, Port Aransas, TX 78373		Inside City Limits	
Applicable Building Codes	2018 International Building Codes		The Building Inspection Division maintains and enforces the technical construction codes adopted by the City of Port Aransas, TX. The construction codes adopted by the City are the International Codes . These include The International Code Council (ICC), 2018 editions of the International Building Code, Existing Building Code, Fuel Gas Code, Mechanical Code, Plumbing Code, and Residential Code for One- and Two-Family Dwellings and the National Fire Prevention Association (NFPA) and National Electric Code.	
Applicable Energy Code	2018 IECC, Energy Conservation Code		Insulation Materials and R-Values: Roof: Standing Seam Metal Roof; Insulation: R-30 Continuous Rigid Insulation with Cementitious Cover Board. Walls: FULL GROUT FILLED CMU plus Furrout: R-19 Foam-In-Place Cavity Insulation. Floors: Slab on Grade Fenestration U Factors and SHGC's: U-FACTOR MAXIMUMS: FIXED FENESTRATION: 0.50; OPERABLE FENESTRATION: 0.65; ENTRANCE DOORS: 0.83 SHGC MAXIMUMS: FACING SOUTH, EAST AND WEST: 0.25; FACING NORTH: 0.33 Area Weighted U-Factors and SHGC Calculations: Area Weighted not utilized	
Applicable Windstorm Requirements	Seaward; Refer to Structural for Windspeed		Submit P.E. Sealed shop drawings for all exterior doors and windows to be installed showing compliance with the above listed requirements and applicable wind loads.	
Applicable TDLR/ADA Code	2012 Texas Accessibility Standards		TABS2025019222	
Building Area	Allowed: 9,000 sq.ft. (Type VB, NS, Group S-1) Actual: 4,641 sq.ft. conditioned			
Building Stories	Allowed: 1 Story (Type VB, NS, Group S-1) Actual: 1 Story			
Building Height	Allowed: 40' (Type VB, NS, Group S-1) Actual: 21'			
Fire Sprinkler	NO			
Construction Classification	Type VB (NS)			
Separation Requirements	None			
Occupancy Type	Group S-1 (150 Gross): 2,102 sq.ft./150=14 Accessory (300 Gross): 2,538 sq.ft./300=8.46			
Occupant Load	Total Occupant Load: 22 Occupants			
Plumbing Fixture Count	Men's WC: 1 Required; 3 Provided Men's Lavatories: 1 Required; 2 Provided Women's WC: 1 Required; 2 Provided Women's Lavatories: 1 Required; 2 Provided Drinking Fountains Required: 2 Required; 2 Provided Service Sink: 1 Required; 1 Provided			
Distance From Property Lines	Plan North: <30' (19') Plan South:<30' (9'-10") Plan East: <30' (15'-8") Plan West: >30'			
Parking Requirements	Required: 11 Spaces (1 VAN Accessible) 12-15 Spaces (1 VAN Accessible)	Provided:	Business: 1 space for every 250 SF: 2,102/250= 8.4; Storage: 1 space for every 1,000 SF: 2,538/1,000=2.5	
			Owner: City of Port Aransas 710 W Avenue A Port Aransas, TX 78373 phone: 361.749.4111 attn.: Mr. David Parsons	Architect: EDR Architects, PLLC P.O. Box 271613 Corpus Christi, TX 78427 phone: 361.537.4400 email: erozypal@edrarchitects.com Attn. Emily D. Rozypal, AIA
			Structural & Windstorm: REM Engineering 6800 Park Ten Blvd., Ste. 239E San Antonio, TX 78213 phone: 210.320.1199 Attn. Robert E. Martinez, P.E.	MEP: NRG Engineering 5656 S. Staples, Ste. 312 Corpus Christi, TX 78411 phone: 361.852.2727 fax: 361.852.2922 Attn. Mr. John Rodriguez, P.E.
			Civil: Urban/DDCM Engineering 2725 Swantner Dr. Corpus Christi, TX 78404 phone: 361.854.3101 fax: 361.854.6001 Attn. Stephen Grunewald, P.E.	Landscape Architect: Gignac Landscape 3833 S. Staples, ste. N-119 Corpus Christi, TX 78411 phone: 361.853.0795 fax:361.814.0195 Attn. Mr. Robert Gignac
SYMBOL LEGEND				
	Revision Tag		Door Tag	
	Match Line		Wall Tag	
	North Arrow		Detail/ Enlarged Plan Tag	
	Elevation Marker		Objects above or Hidden	
	Height Marker			
	Section Marker			
	Window Tag			



IFC: MAY 15, 2025

Drawings and Specifications as instruments of service are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing and appropriate compensation to the Architect.

The General Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.

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1 001 REV: 02-26-2026
0 IFC: MAY 15, 2025

Project Address:
303 Ninth Street
Port Aransas TX
78373 Nueces
County

Project Name:
COPA-Lifeguard
Headquarters Facility

Date:
MAY 15, 2025

Project No:
21004

COVER SHEET-001 REV
02-25-2026

G100

Sheet Title

Project Data

Revision

phone: 361.537.4400 erozypal@edrarchitects.com

EDR
architects



D1
G101
NOT TO SCALE

LIFEGUARD 02



C1
G101
NOT TO SCALE

LIFEGUARD 03



D3
G101
NOT TO SCALE

LIFEGUARD 01



C3
G101
NOT TO SCALE

LIFEGUARD 04

NOTE:
1. RENDERINGS ARE SCHEMATIC ONLY.



A1
G101
NOT TO SCALE

LIFEGUARD 06



A3
G101
NOT TO SCALE

LIFEGUARD 05



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Project Name:
COPA-Lifeguard
Headquarters
Facility

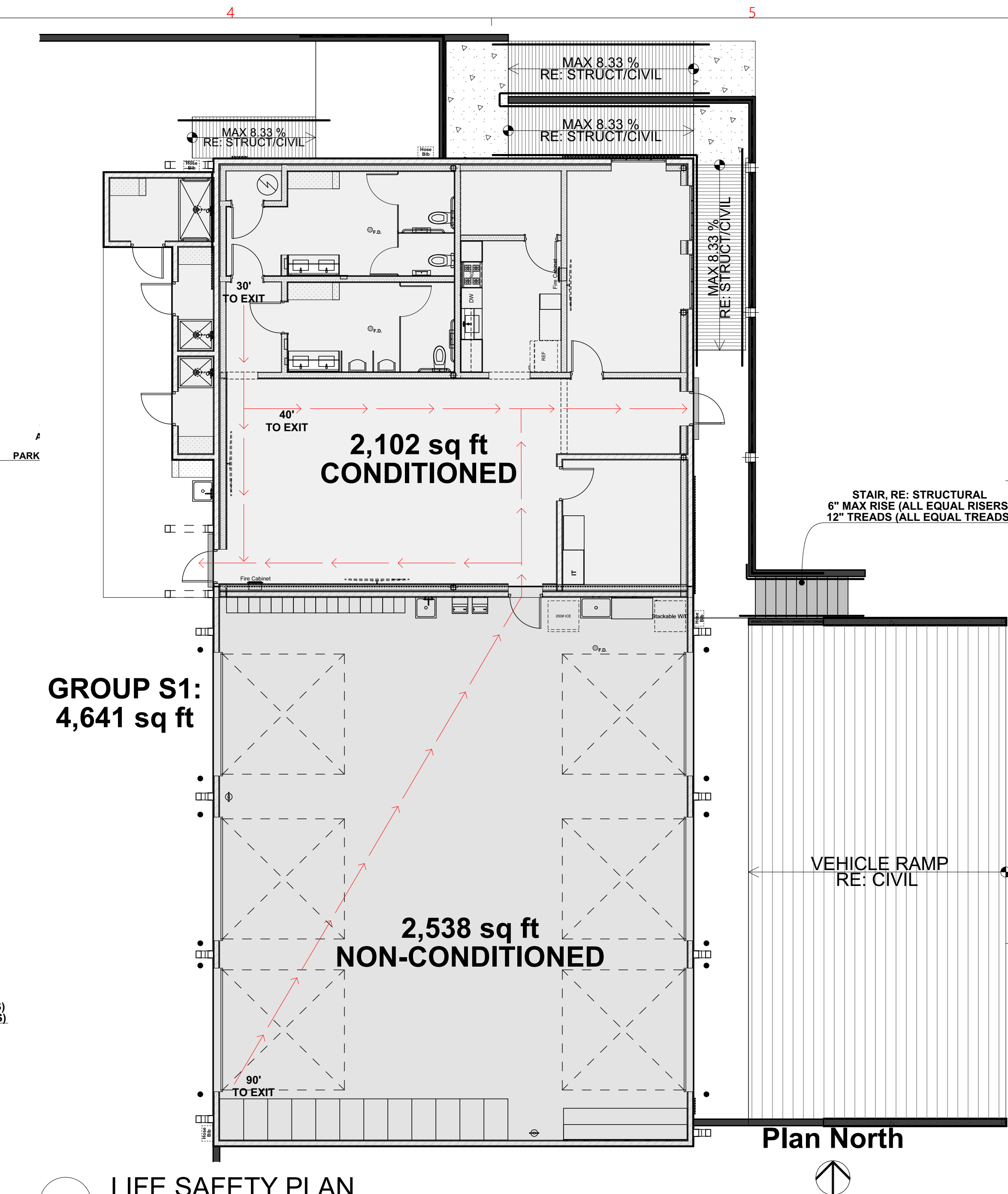
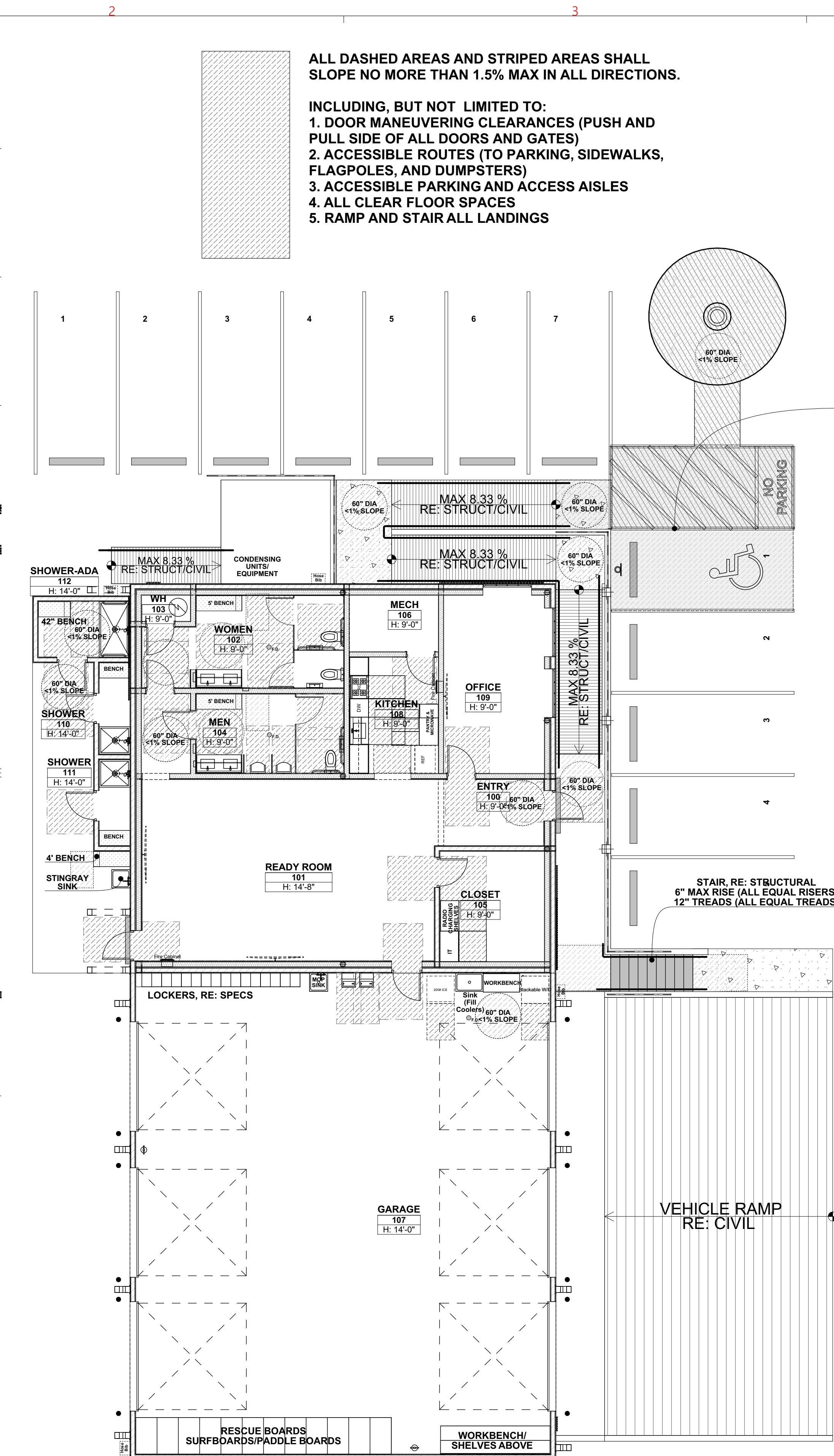
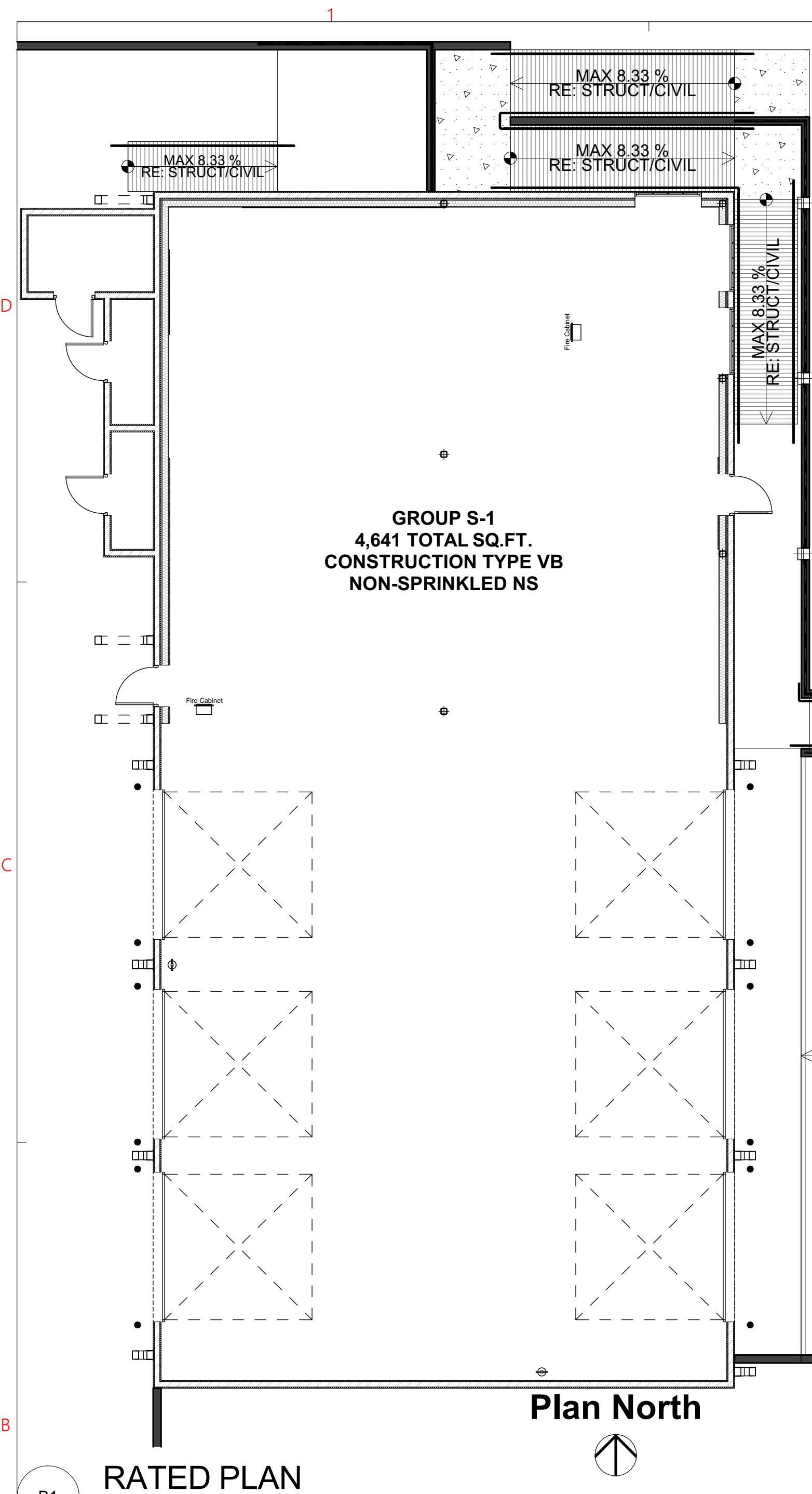
Project Address:
303 Ninth Street
Port Aransas TX
78373 Nueces
County

Project No:
21004

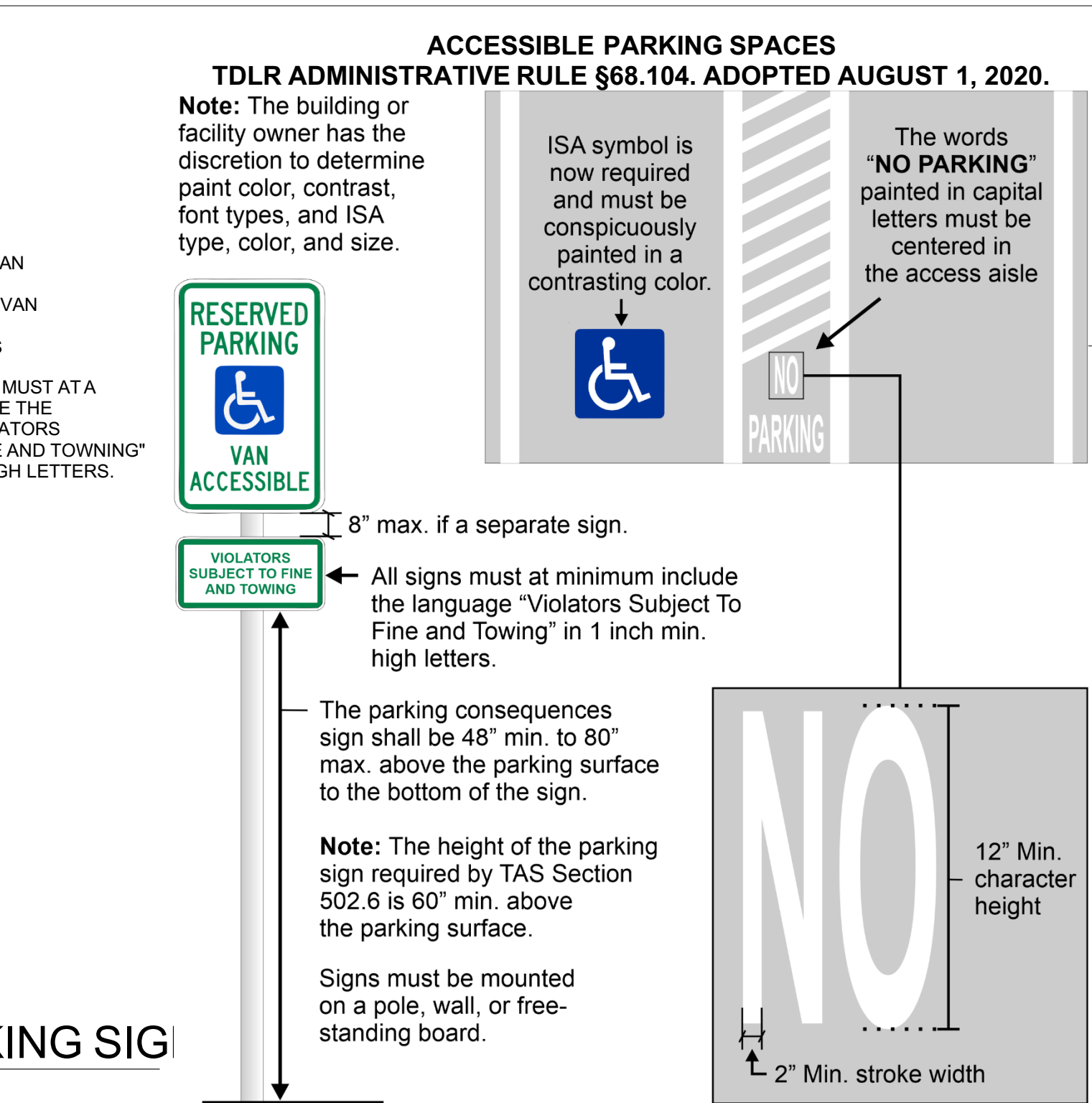
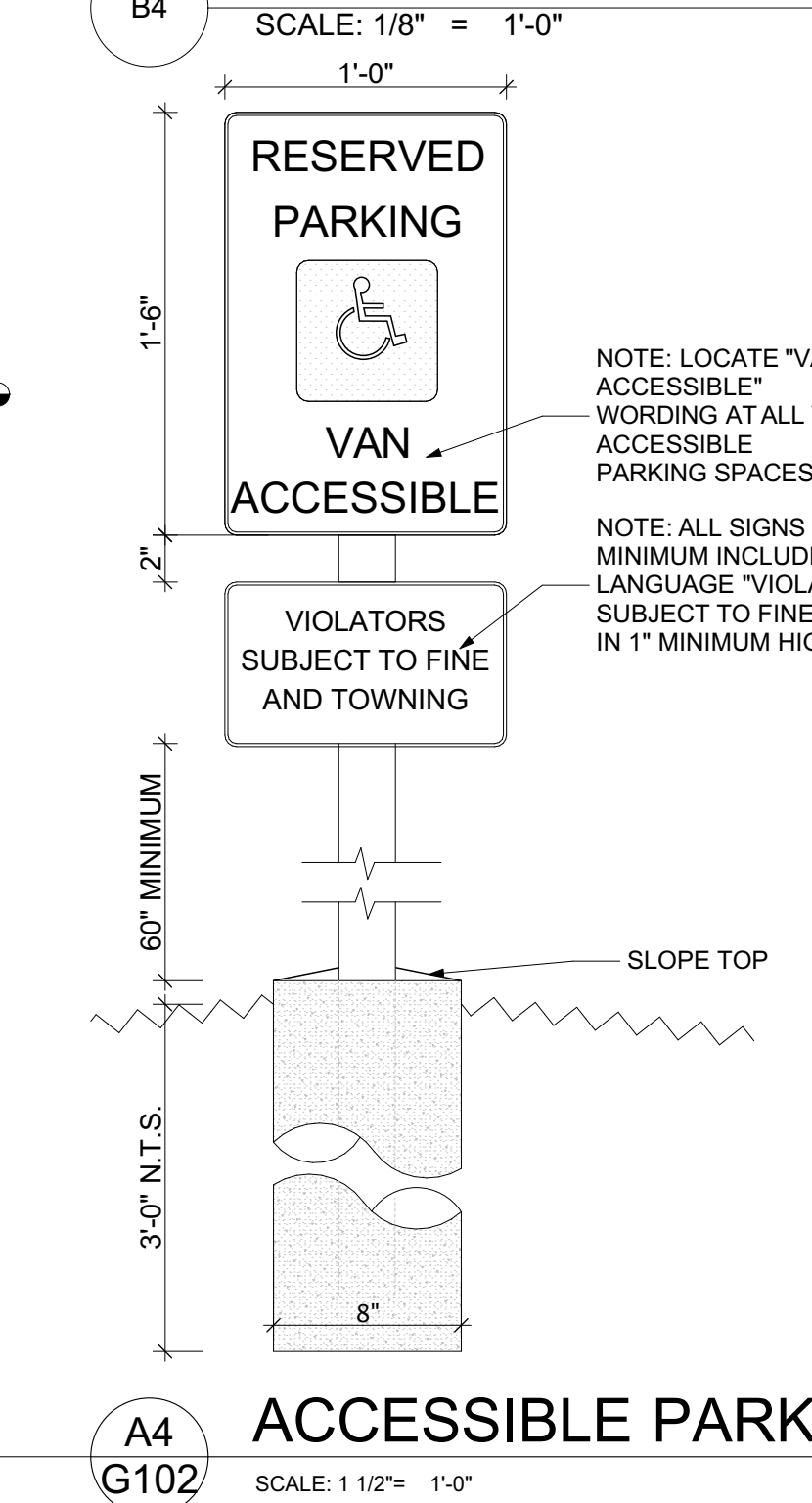
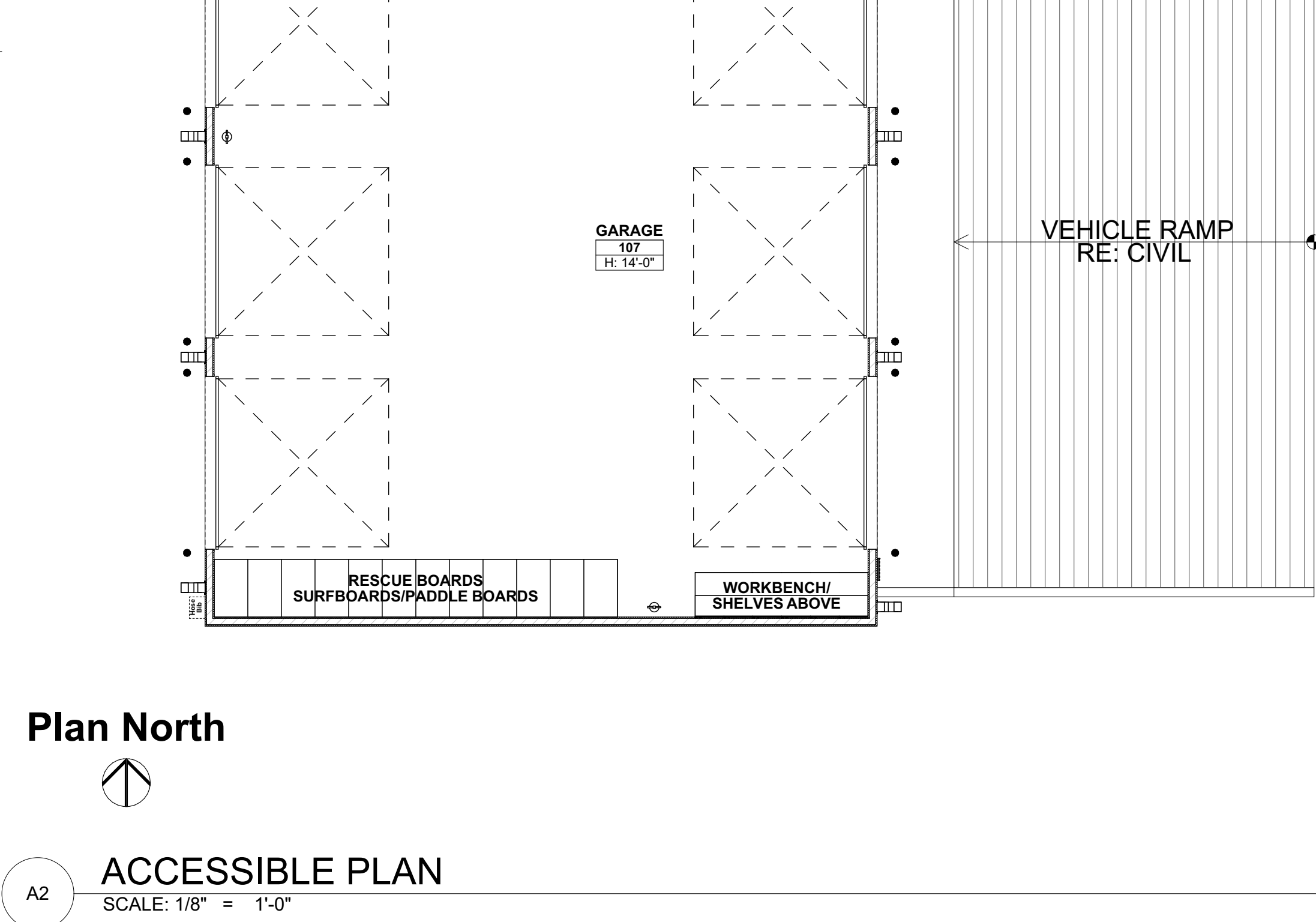
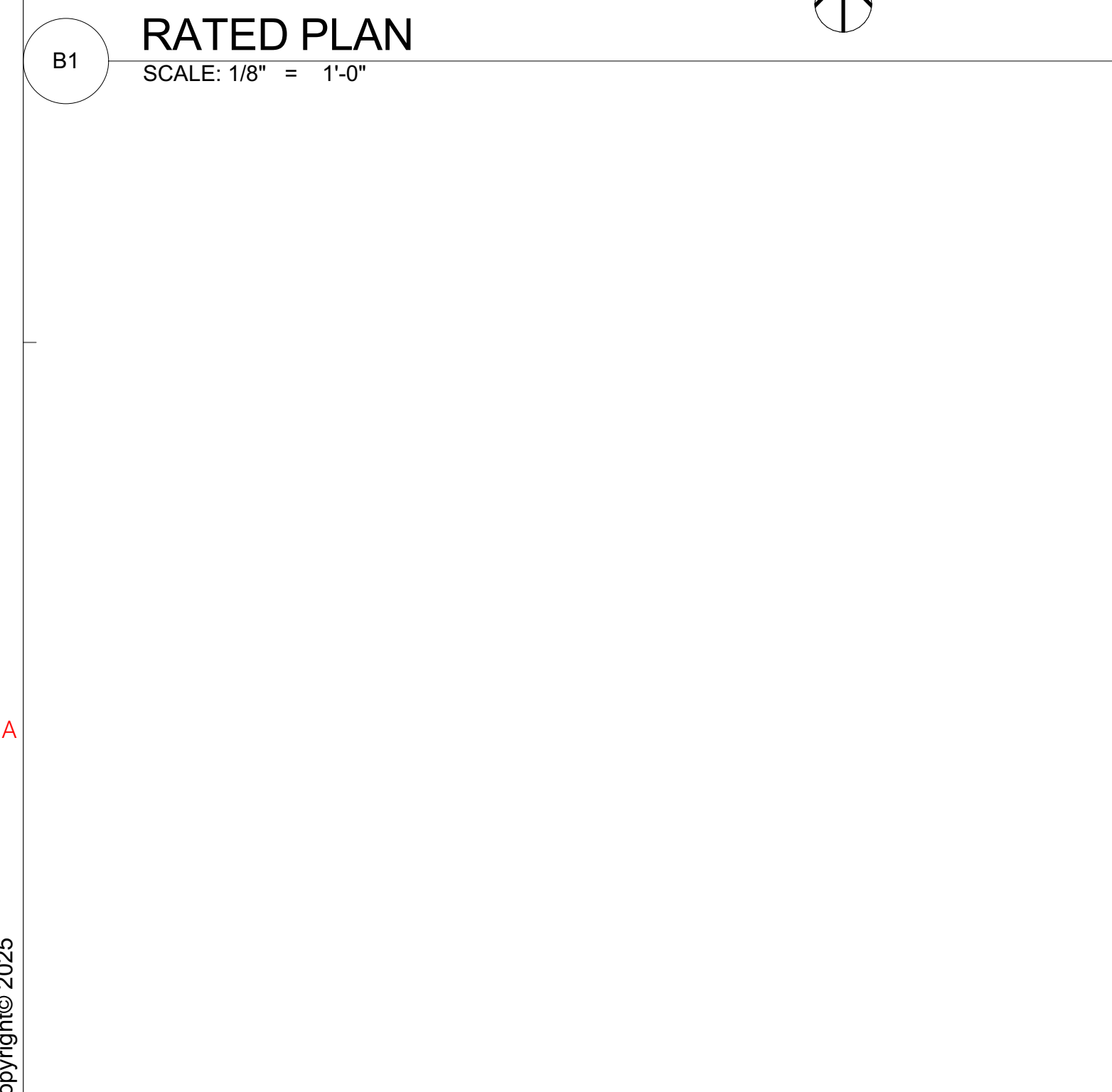
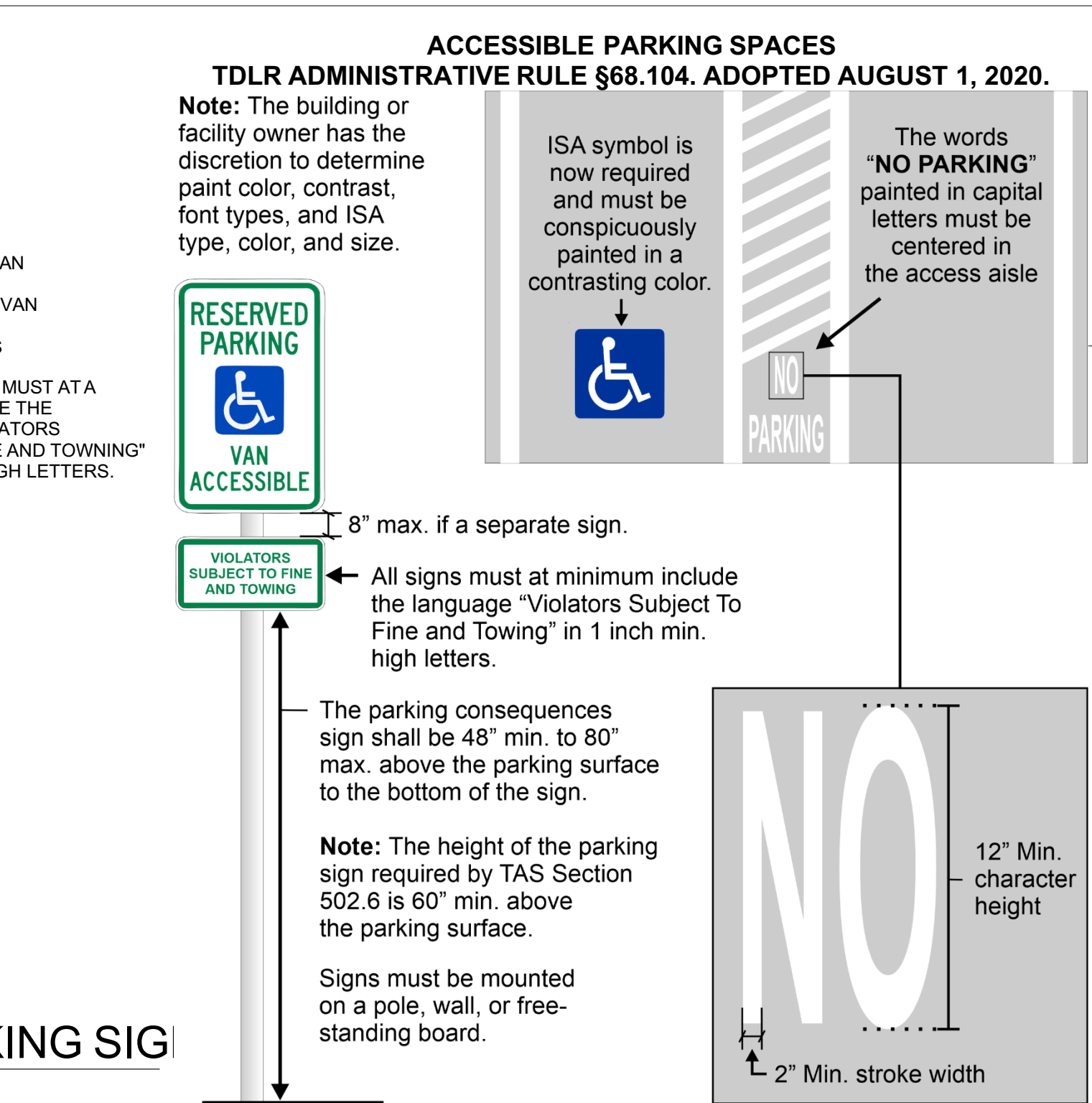
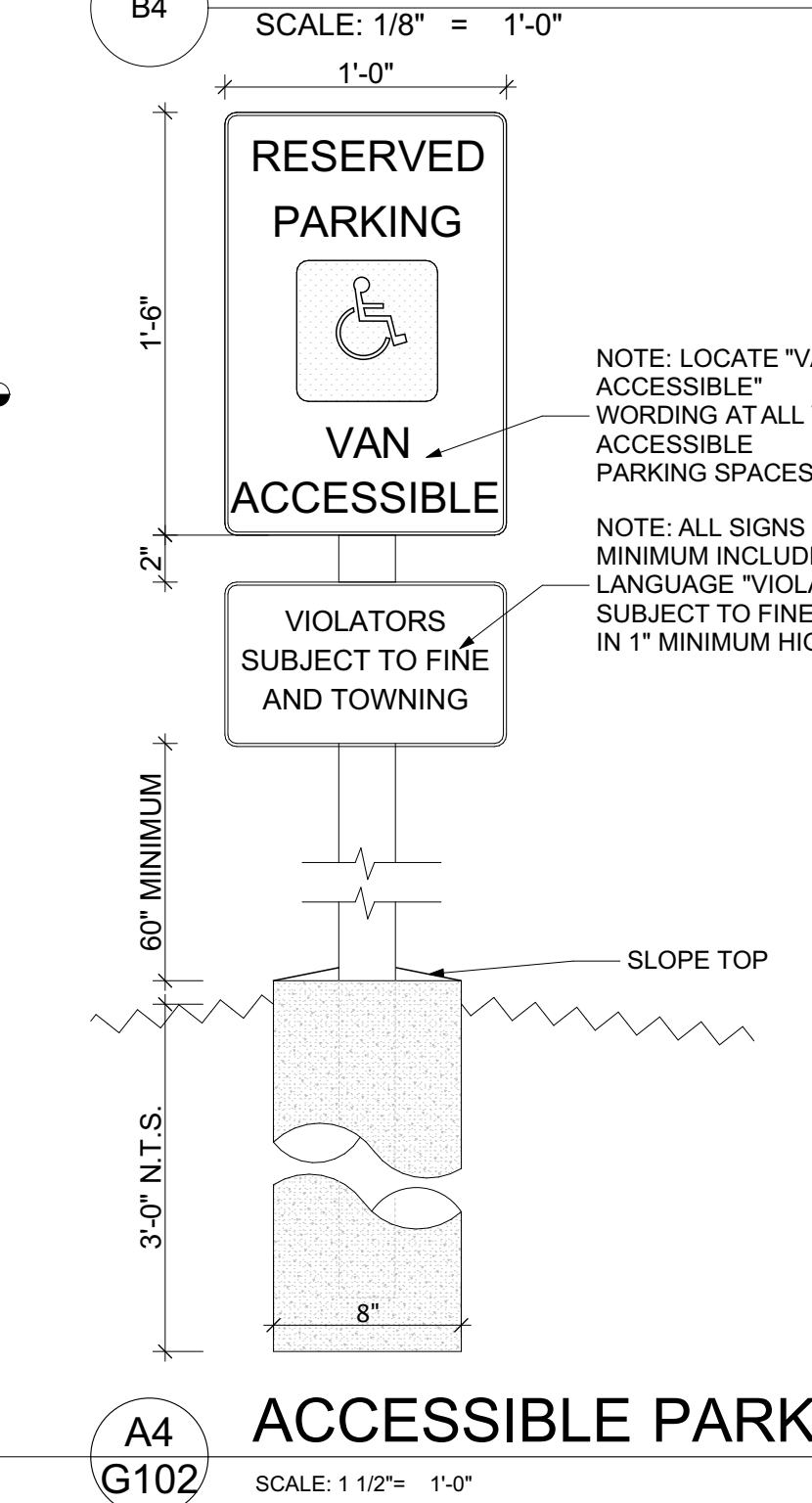
Date:
MAY 15, 2025

ARCHITECTURAL-SCHEMATIC
RENDERINGS-001 REV
02-25-2026

A
G101



LIFE SAFETY PLAN



EDRarchitects

REGISTERED ARCHITECT

EMILY D. ROWLEY

#19900

STATE OF TEXAS

IFC: MAY 15, 2025

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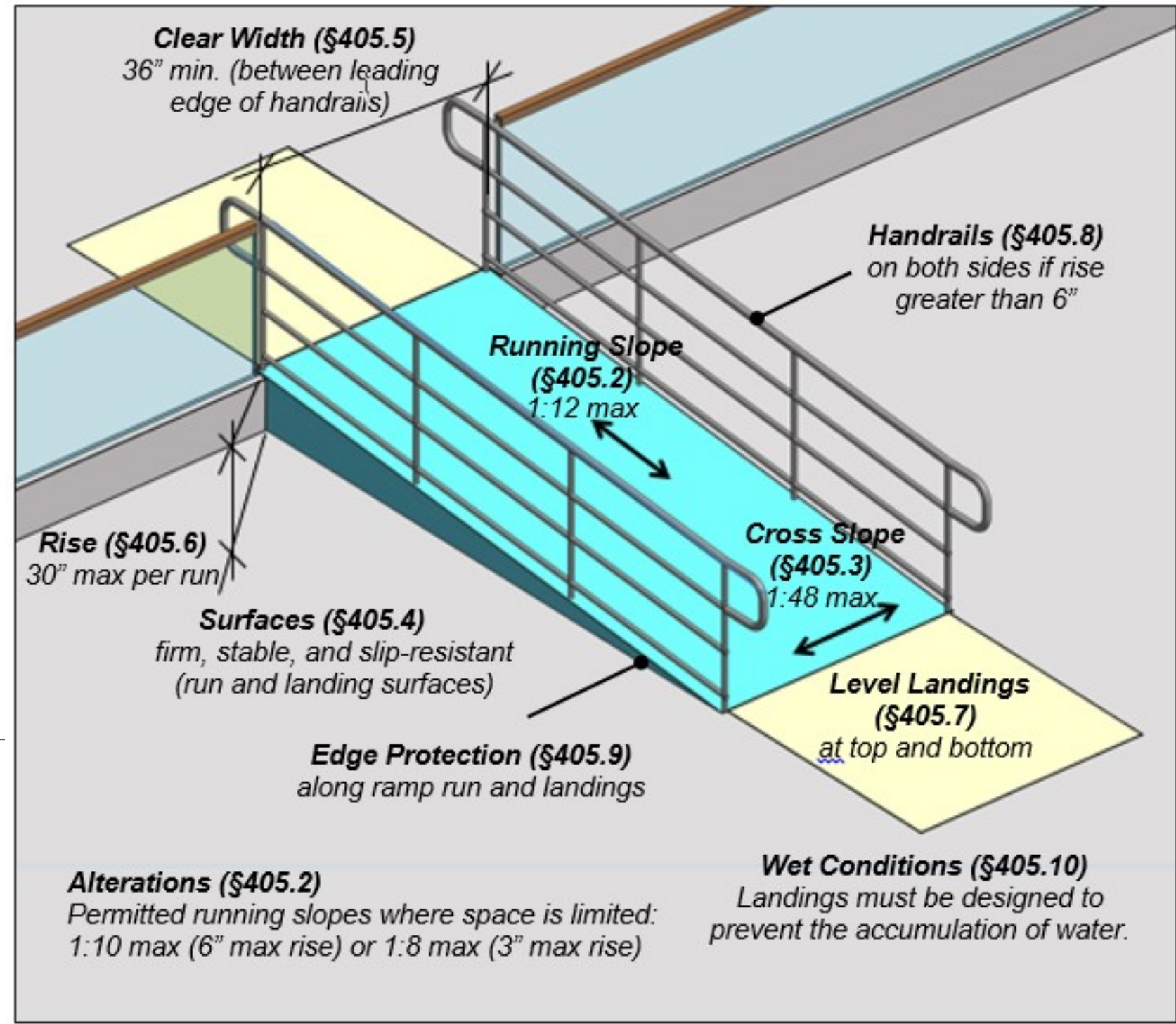
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MAY 15, 2025

Issue:
1 001 REV: 02-26-2026
0 IFC: MAY 15, 2025

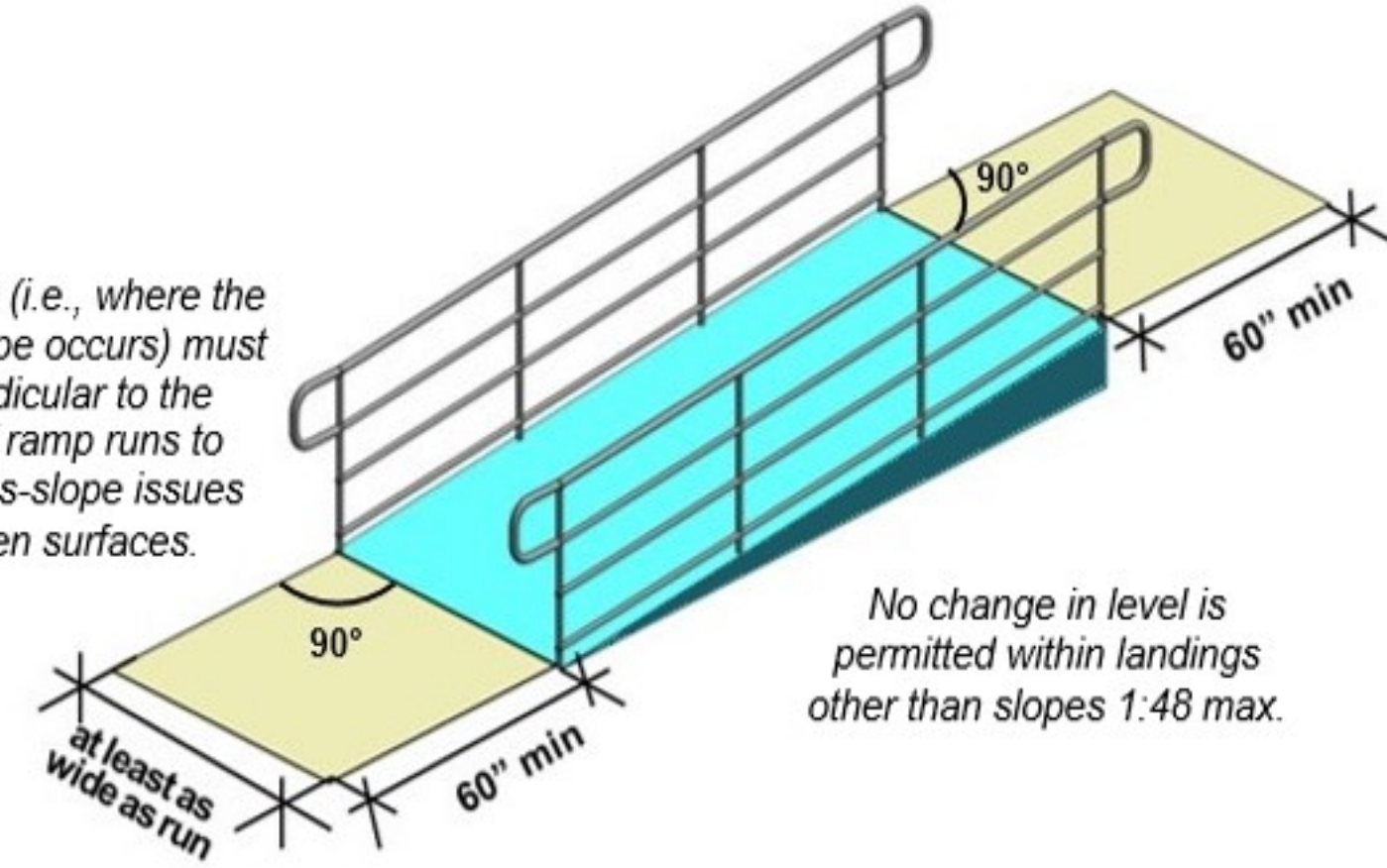
ARCHITECTURAL-CODE PLANS
I-001 REV 02-25-2026

G102

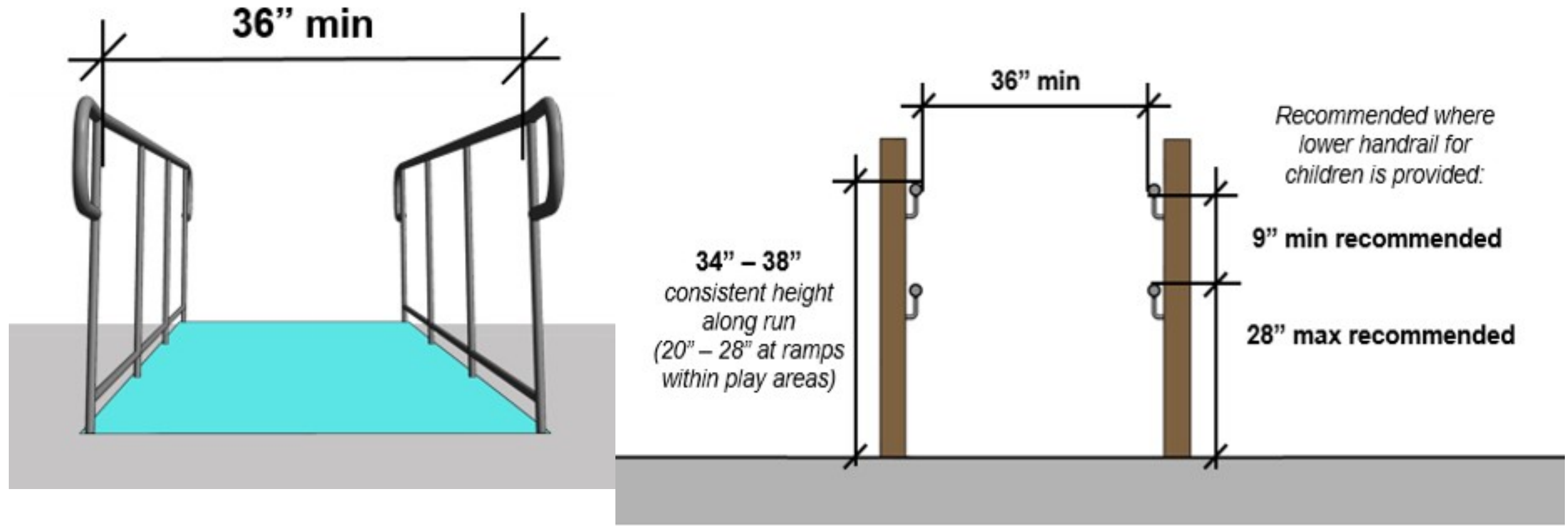
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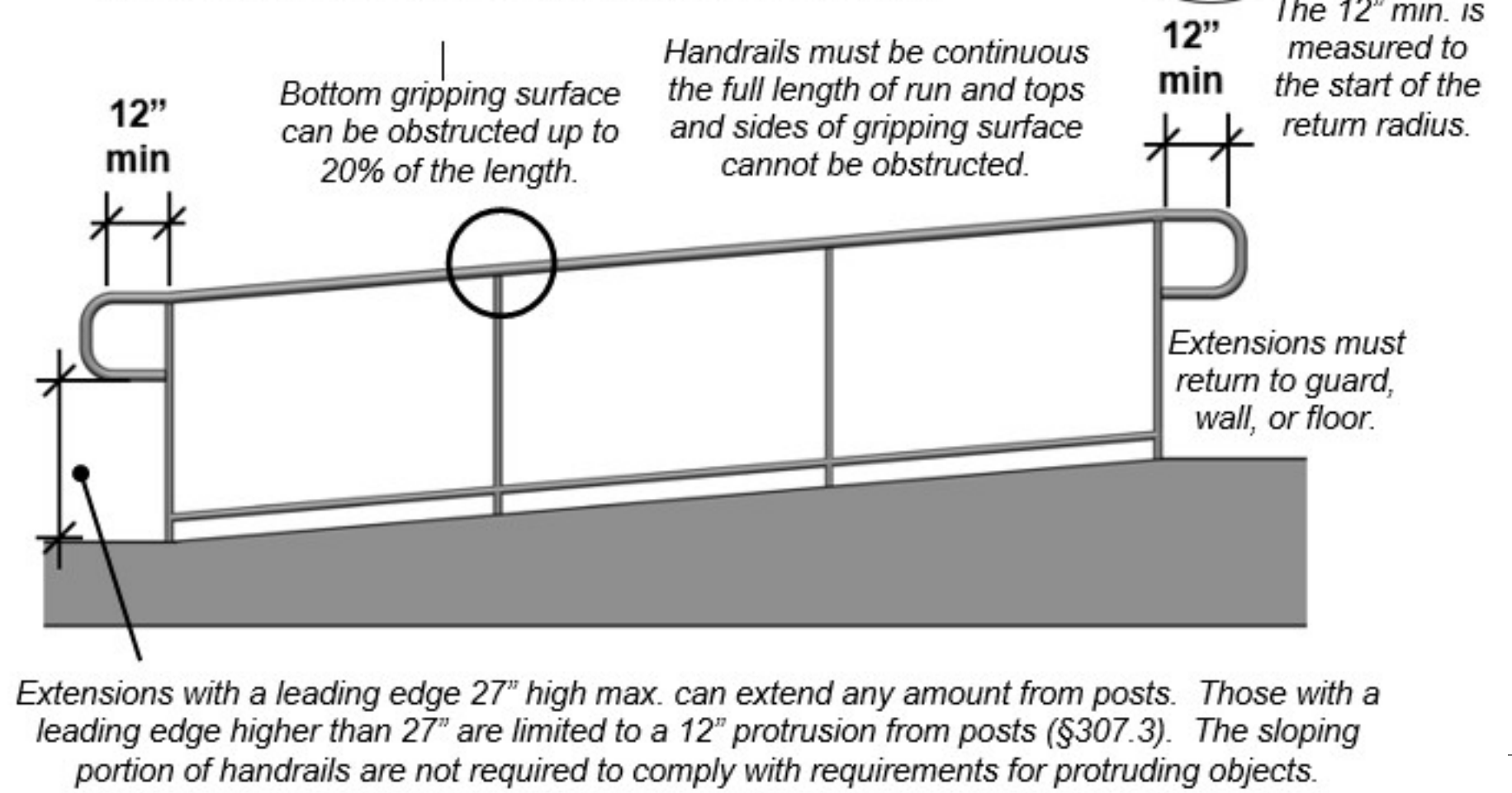
Grade breaks (i.e., where the change in slope occurs) must be perpendicular to the direction of ramp runs to prevent cross-slope issues and uneven surfaces.



<https://www.access-board.gov/ada/guides/>



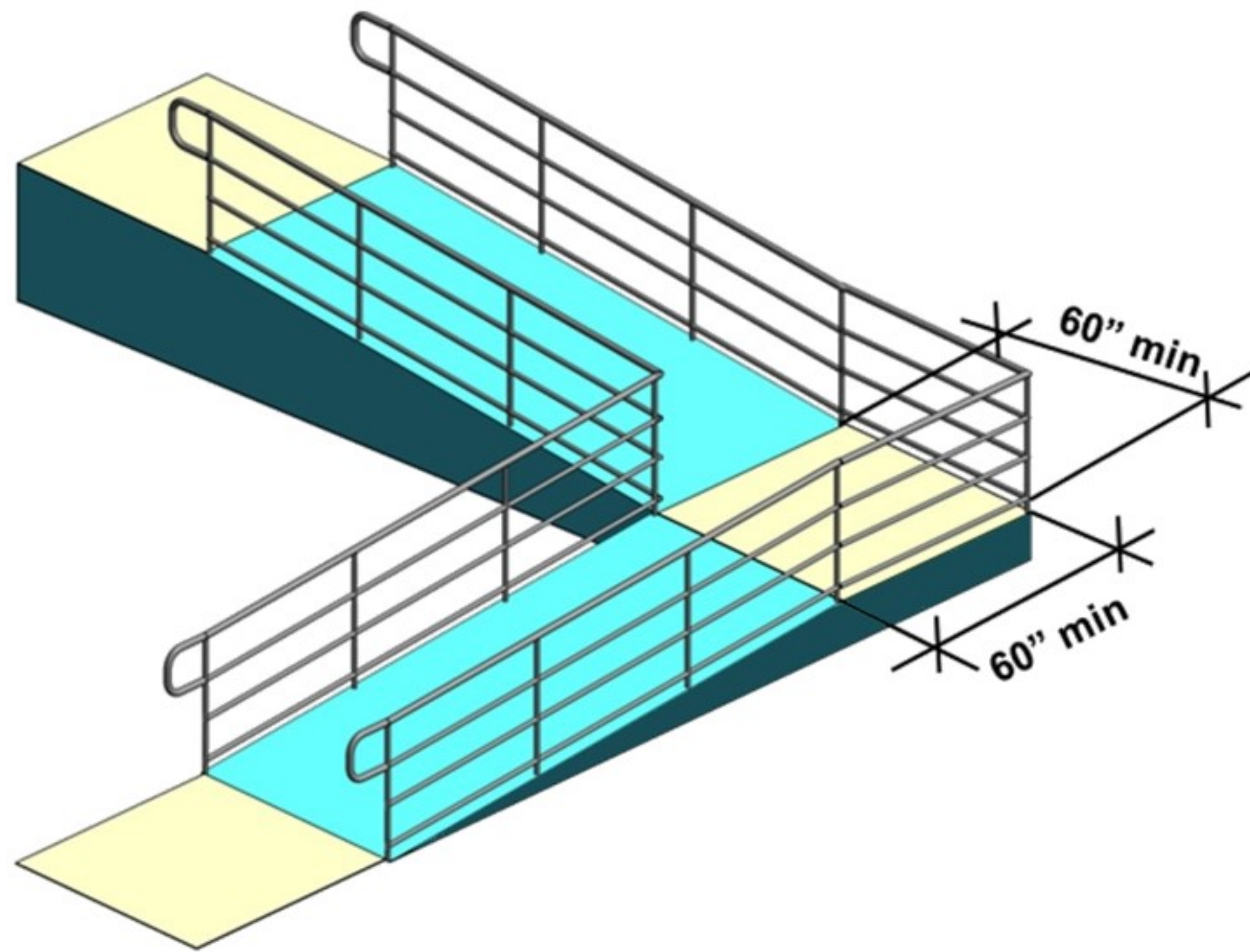
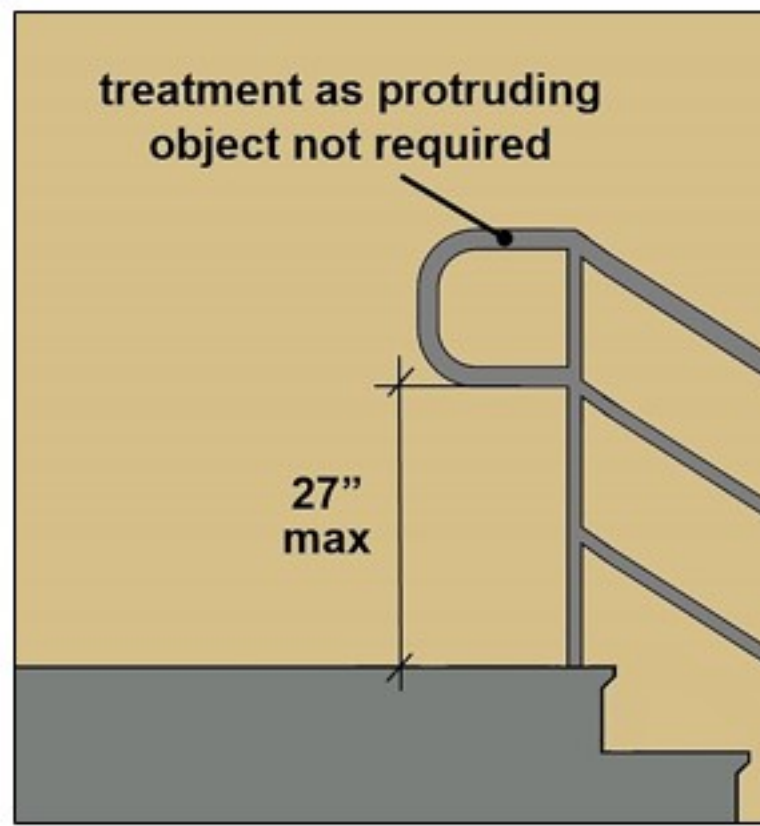
Extensions 12" long min. in the same direction of travel are required at the top and bottom of runs (except for inside rail of switchback ramps) to provide support before entering or exiting ramps.



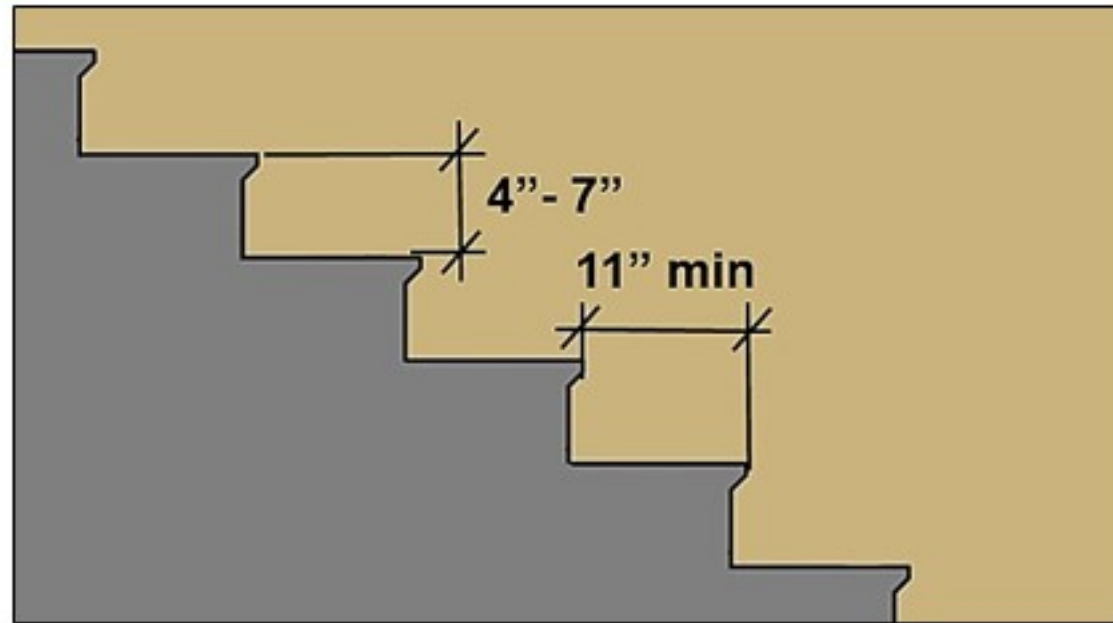
Extensions as Protruding Objects

Objects mounted on posts with leading edges higher than 27" cannot protrude into circulation paths more than 12" (§307.3). With handrails, this applies only to horizontal portions, not sloped portions. Horizontal top extensions that return to posts can protrude any amount if the leading edge is 27" max. above the finish floor or ground.

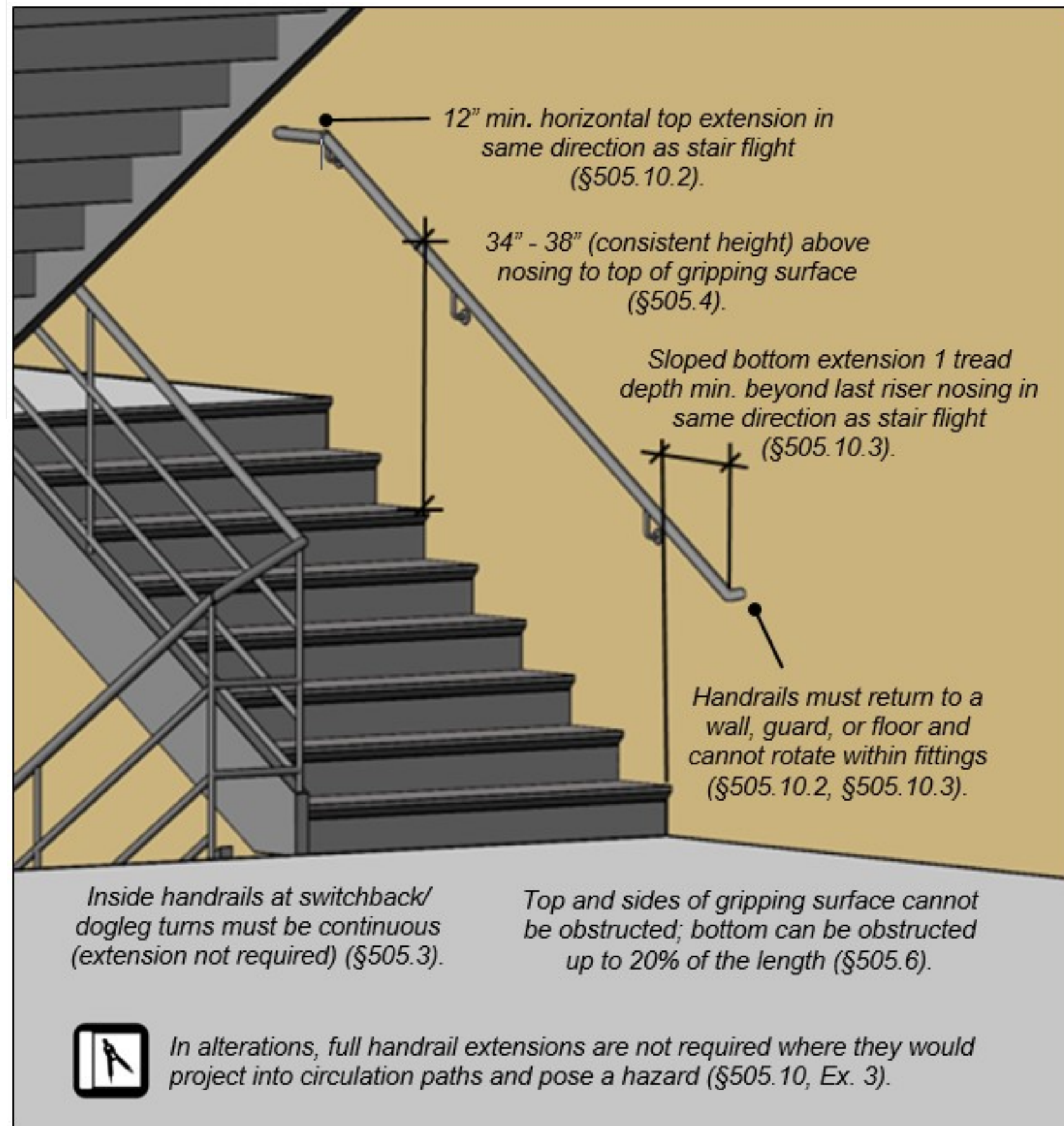
Recommendation: Treat free-standing bottom extensions as protruding objects if they have leading edges higher than 27".



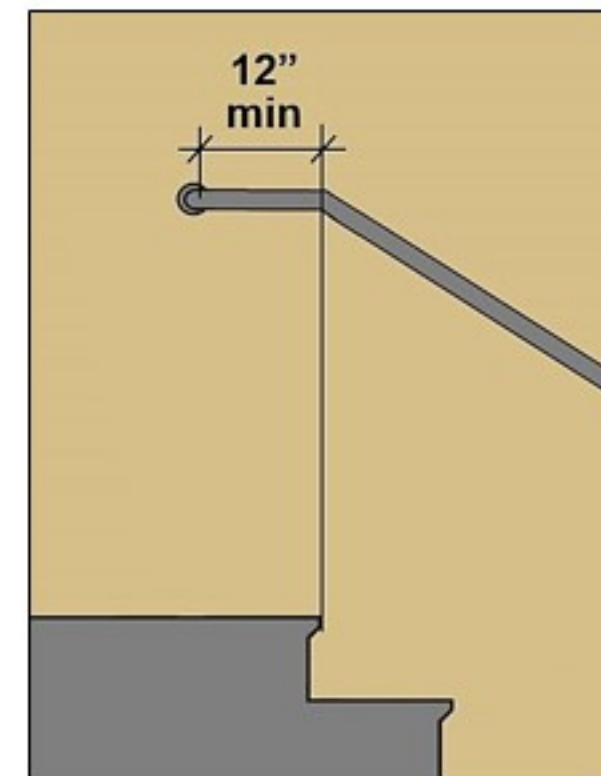
Treads and Risers (§504.2 and §504.3)
All steps on a flight must have uniform riser heights within a range of 4" - 7" and uniform tread depths that are 11" min. Open risers are prohibited.



Tread Surface and Wet Conditions (§504.4 and §504.7)
Tread surfaces must comply with requirements for ground and floor surfaces (§302) and cannot have changes in level other than slopes not steeper than 1:48. Treads and landings subject to wet conditions must be designed to prevent the accumulation of water.

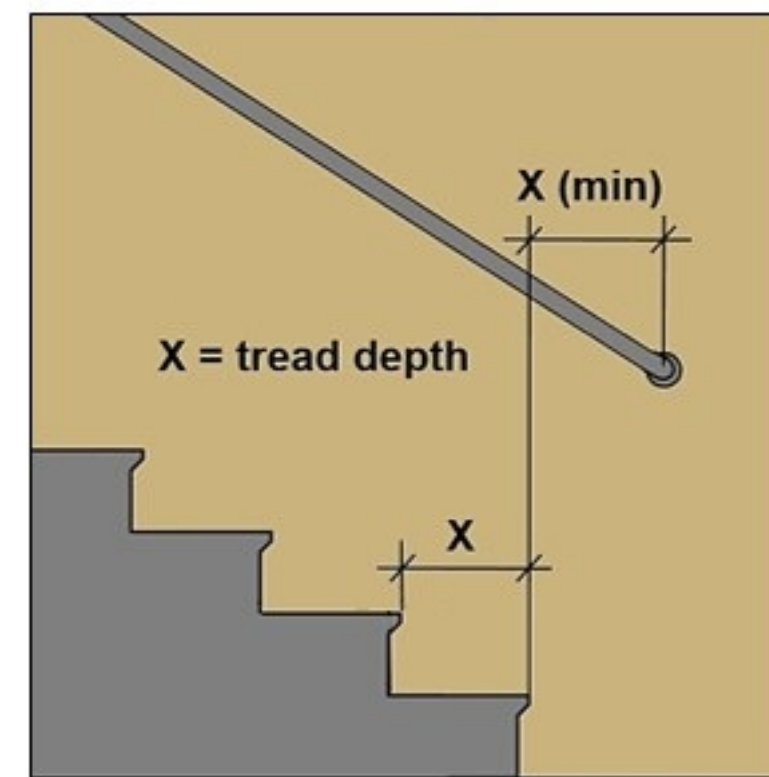


Top Handrail Extension



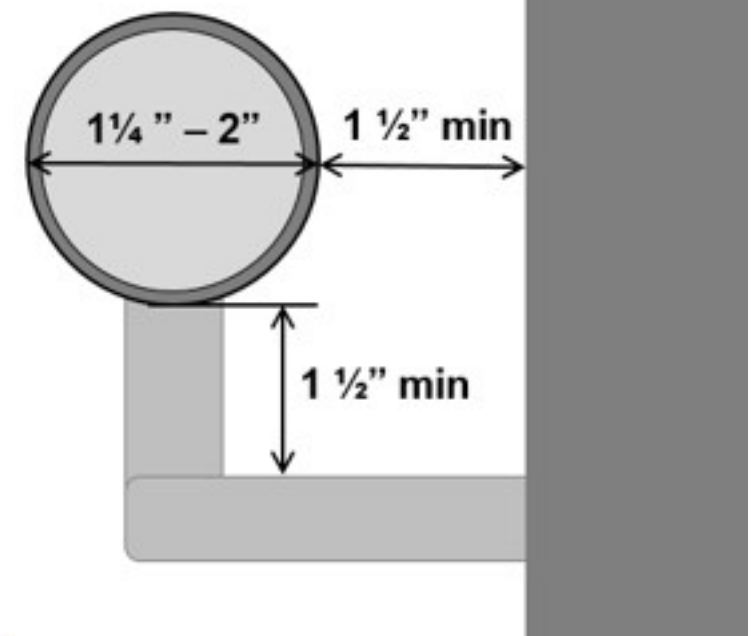
Handrails at the top of stairways must extend 12" minimum horizontally above the landing beginning directly above the first riser nosing or be continuous to the handrail of an adjacent stair flight (§505.10.2).

Bottom Handrail Extension



Handrails at the bottom must extend beyond the last riser nosing at the slope of the stair flight for a distance at least equal to one tread depth or be continuous to the handrail of an adjacent stair flight protruding objects.

Specifications for handrails also address the diameter of circular cross sections and required knuckle clearance.



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COPA-Lifeguard
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MAY 15, 2025

Project No:
21004

US ACCESS BOARD DETAILS-001
REV 02-25-2026

EDR architects



phone: 361.537.4400 eozypai@edrarchitects.com

Revision

1 001 REV: 02-26-2026
0 IFC: MAY 15, 2025

Project Data

Sheet Title

G104

CONSTRUCTION PLANS FOR



LOCATION MAP
NOT TO SCALE

INDEX:

- 1 TITLE SHEET
2 EXISTING CONDITIONS & DEMOLITION PLAN
3 PAVING & GRADING PLAN
4 UTILITY PLAN
5 STORMWATER POLLUTION PREVENTION PLAN
6 PAVING DETAILS
7 ADA AND RAMP DETAILS
8 NCWCID#4 WATER DETAILS
9 NCWCID#4 SANITARY SEWER DETAILS
10 CITY OF PORT ARANSAS GAS DEPT DETAILS



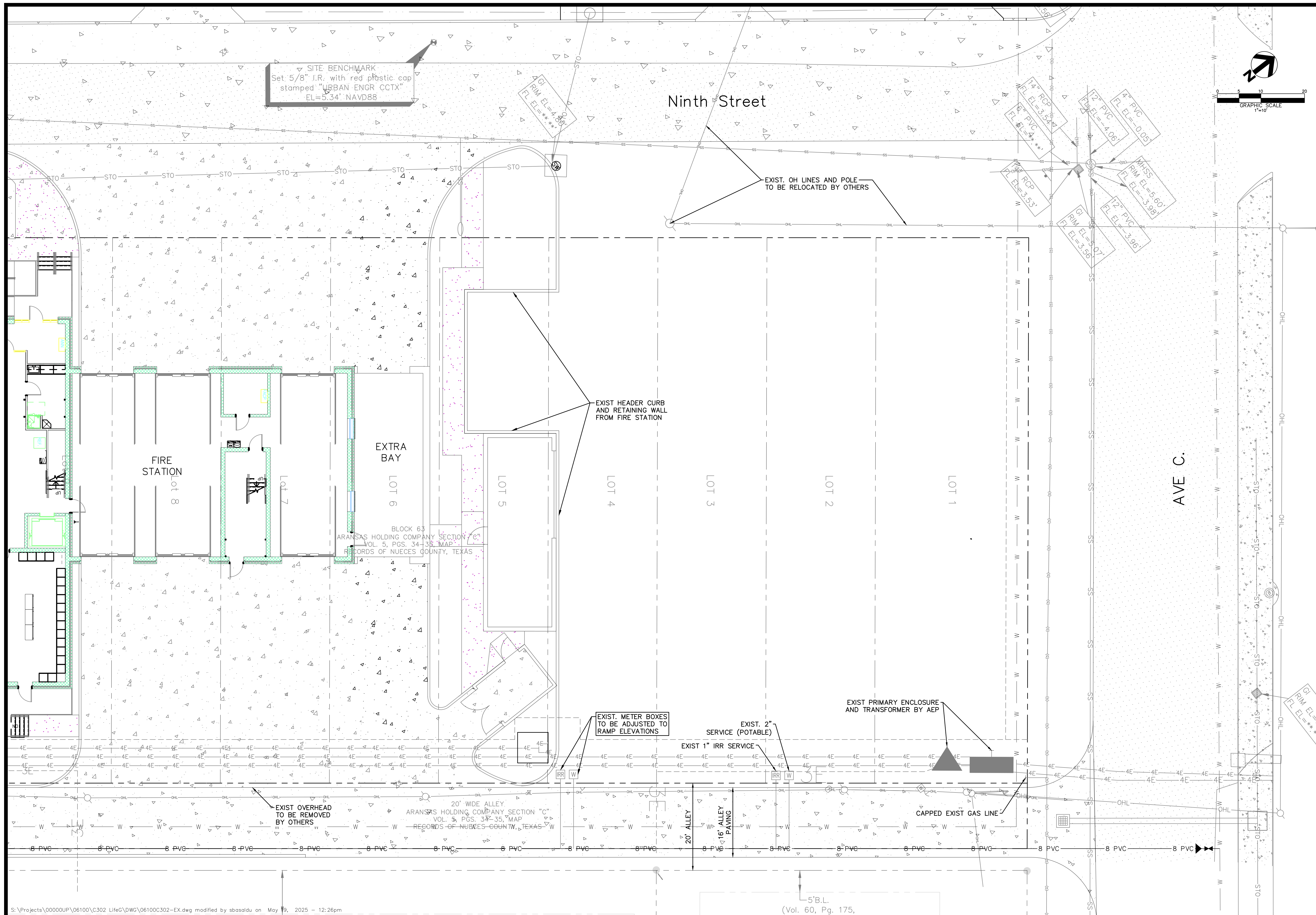
THE SEAL APPEARING ON THIS DOCUMENT
WAS AUTHORIZED BY STEPHEN P. GRUNEWALD,
P.E. TX. REG. 86927 (5/15/25)

ENGINEER: _____
STEPHEN P. GRUNEWALD, P.E.

Urban **DCCM**

TBPELS FIRM NUMBERS: ENGINEERING 145 | SURVEYING 10032400
2725 SWANTNER DR, CORPUS CHRISTI, TX 78404
PHONE: 361.854.3101 URBAN.DCCM.COM

JOB NO. 06100.C3.02
DATE: MAY 2025



REV.	BY	DATE	DESCRIPTION	APPROVED BY
SCALE:	NOTED			
DRAWN:	SB			
CHECKED:	SPG			
DATE:	MAY 2025			

—5'B.L.
(Vol. 60, Pg. 175,

REINFORCEMENT DETAIL
N.T.S.

CONCRETE PAVEMENT DETAIL
N.T.S.

PAVING SEAL CAP
N.T.S.

TENSILE STRENGTH	ASTM D412-92	2470 psi	2450 psi
ELONGATION	ASTM D412-92	420%	410%
HARDNESS	ASTM D2240-95	81 Shore A	81
OIL SWELL	ASTM D771-95	1.74% by vol.	N/A
OZONE RESISTANCE	ASTM D518-91	No Cracking	N/A

EXPANSION JOINT
FOR CONCRETE PAVING
N.T.S.

NOTE:
STEEL TO MEET ASTM STD. SPEC.
FOR CONCRETE REINF. BAR UNITS
AND TO BE SPACED AS SHOWN.

GENERAL NOTES FOR CONCRETE PAVEMENT

1. CONCRETE PAVEMENT SHALL BE CLASS A, 4000 P.S.I. 5-1/4 SK. MIN REINFORCED WITH #4 STEEL BARS SPACED AT 18" O.C. B.W.
2. EXPANSION JOINT FILLER SHALL BE REDWOOD AS SHOWN IN DETAIL. JOINT SEAL COMPOUND SHALL BE GREENSTREAK PAVING CAP SEAL OR APPROVED EQUAL MEETING THE REQUIREMENTS SHOWN IN THE DETAIL.
3. REINFORCING STEEL SHALL BE SUPPORTED DURING CONSTRUCTION TO MAINTAIN NOT LESS THAN 3 INCHES AND NOT GREATER THAN 4 INCHES COVER FROM TOP OF SLAB.
4. CONCRETE FOR ALL CURBS SHALL BE CLASS A, 3000 PSI 5-1/4 SK. MIN
5. EXPANSION JOINTS SHALL BE PLACED ALONG THE CENTER OF THE CONCRETE ALLEYS.
5. CONTRACTION JOINTS 10' MAX
7. EXPANSION JOINTS 40' MAX
8. EXPANSION JOINT DOWELS AT 18" O.C.

DOWEL BAR DETAIL
NOT - TO - SCALE

LOAD TRANSFER SYSTEM
N.T.S.

SIDEWALK NOTES :

1. STANDARD SIDEWALK GRADE NOT AT DRIVEWAY IS SET BY SLOPE 1/4" PER FOOT FROM TOP OF CURB. RAMP SIDEWALK GRADE 3 FOOT (MINIMUM) ON EACH SIDE OF DRIVEWAY TO MATCH DRIVEWAY GRADES. (DRIVEWAY RAMP NOT TO EXCEED 1" PER FOOT.
2. ALL EXPANSION JOINTS TO BE 3/4" YELLOW TREATED PINE FOR FULL DEPTH OF SIDEWALK, UNLESS OTHERWISE NOTED.
3. ALL CONCRETE CLASS "A", 3,000 psi. Max 4' O.
ALL STEEL, GRADE 60, fy = 60,000 psi.

SIDEWALK DETAIL

ELEVATION
NOT-TO-SCALE

WHEEL STOP DETAILS

CONTRACTION JOINT
N.T.S.

TRANSVERSE MARKING DETAIL
N.T.S.

STANDARD CURB & GUTTER
AND HEADER CURB NOTES:

1. ALL CONCRETE 3,000 P.S.I. ALL STEEL GRADE 60
fy = 60,000 P.S.I. MIN.
 2. TRANSVERSE GROOVES 1/8" WIDE BY 1/2" DEEP SHALL BE MADE IN ALL CURB & GUTTER AND HEADER CURB AT 10' O.C. (MAXIMUM).
 3. 3/4" THICK EXPANSION JOINTS SHALL BE PROVIDED AT 20'-0" SPACES (MAXIMUM). DOWELS SHALL TIE INTO CONCRETE PAVEMENT. DOWELS SHALL BE 12" LONG SPACED AT 18" O.C. (MAX.). THE NO. 4 DOWEL SHALL BE EXTENDED ACROSS THE JOINT 6 INCHES AND THIS END SHALL BE GLEED OR GREASED. EPOXY SET DOWEL WHEN CONNECTING TO EXIST. CONCRETE.
- WHERE NEW CURB & GUTTER OR HEADER CURB JOINTS EXISTING CURB & GUTTER, TRANSITION THE LAST 10' OF THE NEW TO MATCH THE OLD IN SHAPE.
4. ALL SUBGRADE UNDER CURB TO BE COMPACTED TO 98% STD. PROCTOR. ADJUST PER ASTM 0.69%.

CURB EXPANSION JOINT
NOT TO SCALE

CURB STEEL

6" BLOCK CURB
N.T.S.

REDWOOD EXPANSION JOINT
(DIMENSIONS SHALL MATCH CURB TYPE)
NOT TO SCALE

SECTION "B-B"
NOT TO SCALE

CAP SEAL DETAIL
NEW CONC. TO NEW CONC
NOT TO SCALE

USE FOR INTERFACE TO EXIST. STREETS
5' VALLEY GUTTER DETAIL
 N.T.S.

THINGS TO AVOID:

DO NOT TOOL CAP SEAL JOINT.
INADEQUATE STAKING-EXPANSION BOARDS THAT BOW
OR TWIST DURING CONCRETE PLACEMENT WILL RESULT
IN IMPROPERLY ALIGNED SEALCAP.

INSUFFICIENT CONCRETE AT THE CAP SEAL PROFILE-
CAP SEAL SHOULD BE FLUSH OR SLIGHTLY BELOW THE
FINISHED CONCRETE SURFACE. CONCRETE WILL NOT
ADHERE TO THE TOP OF CAP SEAL.

IMPROPER DOWEL ALIGNMENT- REGARDLESS OF THE JOINT SEALING METHOD USED, IMPROPER DOWEL ALIGNMENT MAY CAUSE CRACKING OR SPALLING. PROPER USE OF A DOWEL ALIGNING DEVICE WILL ELIMINATE THIS CONCERN.

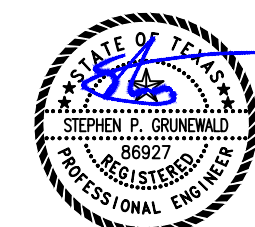
INSTALLATION STEPS:

1. TERMINATE STAKES BELOW THE TOP OF THE BOARD A DISTANCE EQUAL TO THE DEPTH OF THE CAP SEAL PROFILE PLUS 1/4".
2. USE FACTORY FABRICATIONS FOR INTERSECTIONS AND CHANGES OF DIRECTION. INSURE ALL SECTIONS TO BE SPLICED ARE CUT SQUARE AND BOUND TOGETHER USING CAP SEAL ADHESIVE.
3. SECURE CAP SEAL TO THE EXPANSION BOARD WITH STAPLES, NAILS, SCREWS (APPROXIMATELY 18" ON CENTER) OR ADHESIVE TO PREVENT DISLOCATION DURING CONCRETE PLACEMENT.
4. PLACE CONCRETE USING NORMAL PLACEMENT TECHNIQUES, UTILIZING THE CAP SEAL AS SCREENED RAIL. VIBRATE CONCRETE TO INSURE GOOD CONSOLIDATION AROUND CAP SEAL.

RETAINING CURB SECTION
N.T.S.

BOLLARD DETAIL
NOT-TO-SCALE

SCALE:	NOTED	REV.	BY	DATE	DESCRIPTION	APPROVED BY
DRAWN:	SB					
CHECKED:	SPG					
DATE:	MAY 2025					



THE SEAL APPEARING ON THIS DOCUMENT
WAS AUTHORIZED BY STEPHEN P. GRUNEWALD
P.E. TX. REG. 86927 (5/19/25)

PAVING DETAILS

PORT ARANSAS LIFE GUARD HEADQUARTERS
303 NINTH ST.
CITY OF PORT ARANSAS, TEXAS

Urban
GCM

TBPELS FIRM NUMBERS: ENGINEERING 145 | SURVEYING 10032400
2725 SWANTNER DR., CORPUS CHRISTI, TX 78404
PHONE: 361.854.3101
URBAN.DCCM.COM

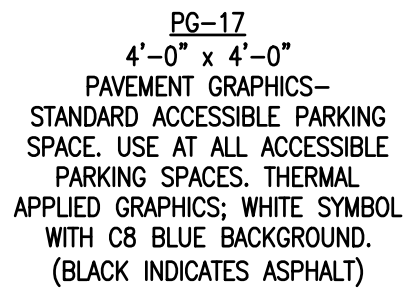
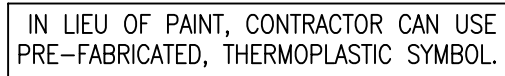
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OF 10

JOB NO.
06100.C3.02

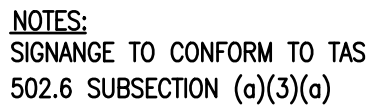
1. ALL SLOPES ARE MAXIMUM ALLOWABLE. THE LEAST POSSIBLE SLOPE THAT WILL STILL DRAIN PROPERLY SHOULD BE USED. RAMP LENGTH OR GRADE OF APPROACH SIDEWALKS MAY BE APPROVED AS DIRECTED BY THE ENGINEER.
2. THE MINIMUM SIDEWALK WIDTH IS 5'. WHERE A 5' SIDEWALK CAN NOT BE PROVIDED DUE TO SITE CONSTRAINTS, A MINIMUM 3' SIDEWALK WITH 5'x 5' PASSING AREAS AT INTERVALS NOT TO EXCEED 200 FT IS REQUIRED.
3. LANDINGS SHALL BE 25 S.F. MINIMUM WITH A MAXIMUM 2% SLOPE IN ANY DIRECTION.
4. MANEUVERING SPACE AT THE BOTTOM OF CURB RAMPS SHALL BE A MINIMUM OF 4'x 4' WHOLLY CONTAINED WITHIN THE CROSSWALK AND WHOLLY OUTSIDE THE PARALLEL VEHICULAR TRAVEL PATH.
5. MAXIMUM ALLOWABLE CROSS SLOPE ON SIDEWALK AND RAMP SURFACES IS 2%.
6. CURB RAMPS WITH RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS SHOULD NOT NORMALLY WALK ACROSS THE RAMP. OTHERWISE, FLARED SIDES SHALL BE PROVIDED.
7. ALL CONCRETE SURFACES SHALL RECEIVE A LIGHT BROOM FINISH UNLESS NOTED OTHERWISE IN THE PLANS.
8. RAMP TEXTURES MUST CONSIST OF TRUNCATED DOMED SURFACES FOR RAMPS. TEXTURES ARE REQUIRED TO BE DETECTABLE UNDERFOOT. SURFACES THAT WOULD ALLOW WATER TO ACCUMULATE ARE PROHIBITED.
9. ADDITIONAL INFORMATION ON CURB RAMP LOCATION, DESIGN, LIGHT REFLECTIVE VALUE AND TEXTURE MAY BE FOUND IN THE CURRENT EDITION OF THE TEXAS ACCESSIBILITY STANDARDS (TAS) PREPARED AND ADMINISTERED BY THE TEXAS DEPARTMENT OF LICENSING AND REGULATION (TDLR).
10. RAISED MEDIANS SEPARATE OPPOSING DIRECTIONS OF TRAFFIC AND PROVIDE A REFUGE AREA FOR PEDESTRIANS UNABLE TO CROSS THE ENTIRE ROADWAY IN THE ALLOTTED SIGNAL PHASE. TO SERVE AS A REFUGE AREA, THE MEDIAN SHOULD BE A MINIMUM OF 5' WIDE. MEDIANS SHOULD BE DESIGNED TO PROVIDE ACCESSIBLE PASSAGE OVER OR THROUGH THEM.
11. SMALL CHANNELIZATION ISLANDS, WHICH CAN NOT PROVIDE A MINIMUM 5'x 5' LANDING AT THE TOP OF RAMPS, SHALL BE CUT THROUGH LEVEL WITH THE SURFACE OF THE STREET.
12. CROSSWALK DIMENSIONS, CROSSWALK MARKINGS AND STOP BAR LOCATIONS SHALL BE AS SHOWN ELSEWHERE IN THE PLANS. AT INTERSECTIONS WHERE CROSSWALK MARKINGS ARE NOT REQUIRED, RAMPS SHALL BE ALIGNED WITH THEORETICAL CROSSWALKS, OR AS DIRECTED BY THE ENGINEER.
13. EXISTING FEATURES THAT COMPLY WITH TAS MAY REMAIN IN PLACE UNLESS OTHERWISE SHOWN ON THE PLANS.
14. HANDRAILS ARE NOT REQUIRED ON CURB RAMPS. CURB RAMPS SHALL BE PROVIDED WHEREVER ON ACCESSIBLE ROUTE CROSSES (PENETRATES) A CURB.
15. SHADED AREAS INDICATE LOCATIONS OF DETECTABLE WARNINGS. (COLOR / LIGHT REFLECTIVE VALUE AND TEXTURE CONTRAST)

1. ALL ACCESSIBLE STRIPING AND SIGNAGE SHALL COMPLY WITH TEXAS ACCESSIBILITY STANDARDS (TAS) AS ADOPTED AUG. 1, 2020, OR LATEST REVISION.
2. ACTUAL PARKING SPACE DIMENSIONS MAY VARY SEE PLAN FOR ACTUAL LOCATION LAYOUT OR DIMENSIONS.
3. PARKING AREA STRIPING SHALL BE SHERWIN WILLIAMS SET FAST ACRYLIC LATEX TRAFFIC MARKING PAINT (YELLOW-TM2161, BLUE-TM2133, RED-TM2132) AND SHALL BE A TWO COAT APPLICATION YIELDING A FINISH.
4. PAVED ACCESSIBLE PARKING SPACE MUST INCLUDE:
 - 4.1. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY PAINTED CONSPICUOUSLY ON THE SURFACE IN A COLOR THAT CONTRASTS THE PAVEMENT;
 - 4.2. THE WORDS "NO PARKING" PAINTED ON ANY ACCESS AISLE ADJACENT TO THE PARKING SPACE. THE WORDS MUST BE PAINTED:
 - 4.2.1. IN ALL CAPITAL LETTERS;
 - 4.2.2. WITH A LETTER HEIGHT OF AT LEAST TWELVE INCHES, AND A STROKE WIDTH OF AT LEAST TWO INCHES.
 - 4.3. CENTERED WITHIN EACH ACCESS AISLE ADJACENT TO THE PARKING SPACE; AND
5. A SIGN IDENTIFYING THE CONSEQUENCES OF PARKING ILLEGALLY IN A PAVED ACCESSIBLE PARKING SPACE. THE SIGN MUST:
 - 5.1. AT A MINIMUM STATE "VIOLATORS SUBJECT TO FINE AND TOWING" IN A LETTER HEIGHT OF AT LEAST ONE INCH;
 - 5.2. BE MOUNTED ON A POLE, POST, WALL OR FREESTANDING BOARD;
 - 5.3. BE NO MORE THAN EIGHT INCHES BELOW A SIGN REQUIRED BY TEXAS ACCESSIBILITY STANDARDS, 502.6; AND
 - 5.4. BE INSTALLED SO THAT THE BOTTOM EDGE OF THE SIGN IS NO LOWER THAN 48 INCHES AND NO HIGHER THAN 80 INCHES ABOVE GROUND LEVEL.

1. CURB RAMP RUNNING SLOPE SHALL BE LESS THAN THE MAX 8.33% SLOPE. CURB RAMP CROSS SLOPE SHALL BE LESS THAN THE MAX 2.0%. ALL LANDINGS SHALL BE LESS THAN 2% MAX SLOPE IN ALL DIRECTIONS. PARKING SLAB AND ACCESS ISLE SHALL BE 2% MAX SLOPE IN ALL DIRECTIONS.
2. DESIGNS SHOWN ARE FOR 6" CURBS. FOR CURBS WITH HEIGHT OTHER THAN 6", DIMENSION MUST BE ADJUSTED PROPORTIONATELY.
3. LOCATION OF BARRIER FREE RAMP MAY BE SHIFTED TO CLEAR OBSTRUCTIONS.
4. LOCATION—CURB RAMP SHALL BE PROVIDED WHEREVER AN ACCESSIBLE ROUTE CROSSES A CURB.
5. SLOPE—CURB RAMPS: TRANSITIONS FROM RAMPS TO WALKS, GUTTERS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES. MAXIMUM SLOPES OF ADJOINING GUTTERS, ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP, OR ACCESSIBLE ROUTE SHALL NOT EXCEED 1:20. THE MINIMUM WIDTH OF A CURB RAMP SHALL BE 36 IN. ALL RAMPS ARE REQUIRED TO HAVE LANDINGS AT TOP AND BASE OF RAMP.
6. WIDTH—MIN 2' WIDE EXCLUSIVE OF FLARED SIDES.
7. SURFACE—SURFACES OF CURB RAMPS SHALL COMPLY WITH THE FOLLOWING: FINISH PUBLIC RIGHT-OF-WAY FOR PURPOSES OF WARNING, THE FULL WIDTH AND 2' MINIMUM DEPTH ON THE SHORTEST SIDE OF CURB RAMPS SHALL HAVE A LIGHT REFLECTIVE VALUE AND TEXTURE THAT SIGNIFICANTLY CONTRASTS WITH THAT OF ADJOINING PEDESTRIAN ROUTES.
8. CONTRACTOR IS SOLELY RESPONSIBLE FOR RAMP AND SIDEWALK CONSTRUCTION COMPLYING WITH ALL CURRENT ADA REQUIREMENTS PLUS TEXAS ACCESSIBILITY STANDARDS INCLUDING SLOPES, TEXTURE, COLOR CONTRASTS AND ELEVATIONS.



ALL ACCESSIBLE STRIPING, RAMPS, TEXTURES AND SIGNAGE WITHIN PRIVATE PROPERTY SHALL COMPLY WITH TEXAS ACCESSIBILITY STANDARDS. PUBLIC RAMPS SHALL COMPLY WITH AMERICAN'S WITH DISABILITIES ACT (ADA) LATEST ADDITION.



COLORS:
LEGEND AND BORDER - GREEN; BACKGROUND - WHITE;
WHITE SYMBOL ON BLUE BACKGROUND.

ONLY FOR VAN ACCESSIBLE SPACES
(MIN. OF 1 OUT OF 6 RESERVED
SPACES SHALL BE DESIGNATED VAN
ACCESSIBLE AND BE SERVED BY AN
AISLE AT LEAST 8' WIDE.)

COLORS:
LEGEND AND BORDER - GREEN
BACKGROUND - WHITE

PROVIDE 2" DIA. SCH. 80
GALV. PIPE WITH 30" MIN.
BURY IN 12" DIA. CONCRETE
MOUNTING HARDWARE SHALL
BE HOT DIP GALVANIZED.
PROVIDE CAP ON POLE.

NOTE:
ALL ACCESSIBLE STRIPING, RAMPS, AND
SIGNAGE SHALL COMPLY WITH TEXAS
ACCESSIBILITY STANDARDS (TAS) AS ADOPTED
AUG. 1, 2020 OR LATEST REVISIONS.

NOTE:
ONE SIGN PER PARKING SPACE
PERMANENTLY MOUNTED ON
POLE MIN. 5' HIGH.

VAN ACCESSIBLE SIGN DETAIL
N.T.S.



ALL ACCESSIBLE STRIPING, RAMPS, TEXTURES
AND SIGNAGE SHALL COMPLY WITH
TEXAS ACCESSIBILITY STANDARDS (TAS)
AS ADOPTED AUGUST 1, 2020 OR
LATEST REVISIONS.

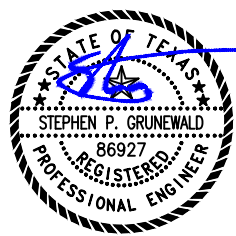
ALL REQUIRED FIRE LANE RESTRICTED PARKING SHALL BE APPLIED PER FIRE DEPARTMENT REQUIREMENTS.

Accessible details and notes are provided for Contractor's information. The intent of the plans is to not have any accessible ramps and instead providing sidewalk at maximum longitudinal slope of 5%.

1. Ramp above is for illustration. Actual ramp configurations may vary.
2. Ramps not in public right of way do not require the full depth and width of the ramp including flares to contrast visually with adjoining surfaces in compliance with T.A.S. 2012

N.T.S.

	SCALE:	NOTED	REV. BY	DATE	DESCRIPTION	APPROVED BY
	DRAWN:	SB				
	CHECKED:	SPG				
	DATE:	MAY 2025				



THE SEAL APPEARING ON THIS DOCUMENT
WAS AUTHORIZED BY STEPHEN P. GRUNEWALD,
P.E. TX. REG. 86927 (5/19/25)

ADA AND RAMP DETAILS

PORT ARANSAS LIFE GUARD HEADQUARTERS

303 NINTH ST.
CITY OF PORT ARANSAS, TEXAS

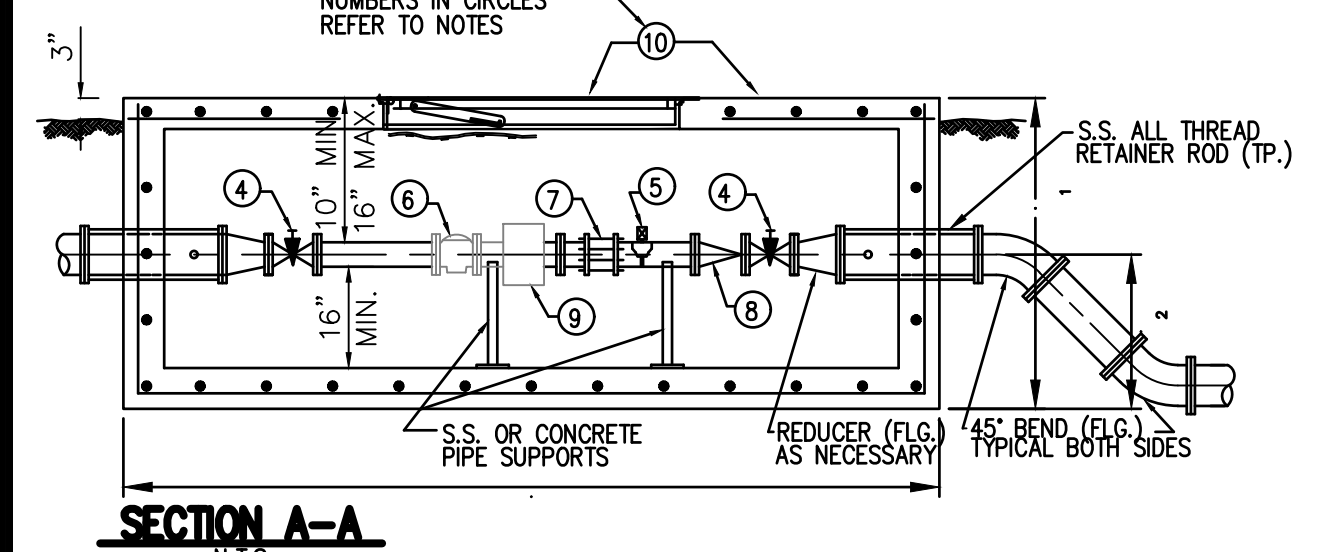
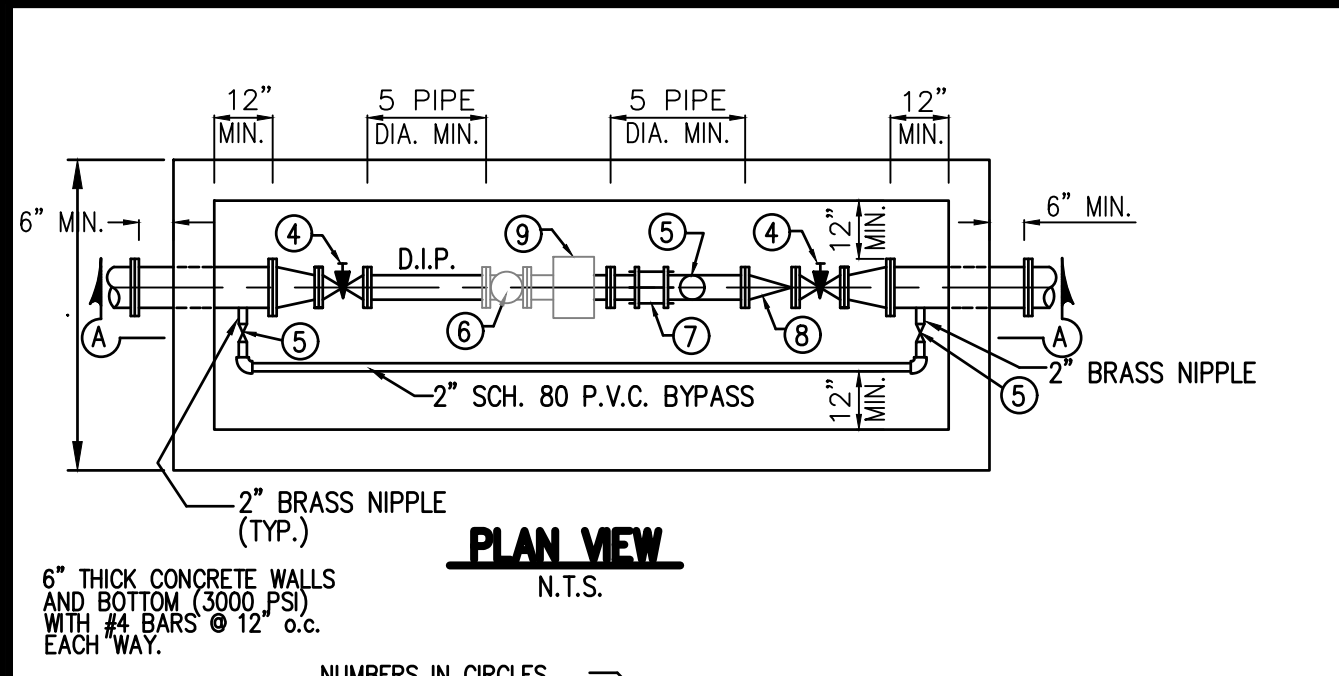


TBP&LS FIRM NUMBERS: ENGINEERING 145 | SURVEYING 10032400
 2725 SWANTNER DR, CORPUS CHRISTI, TX 78404
 PHONE: 361.854.3101 | LIBRAN.DCCM.COM

Urban

SHEET
7
OF 10

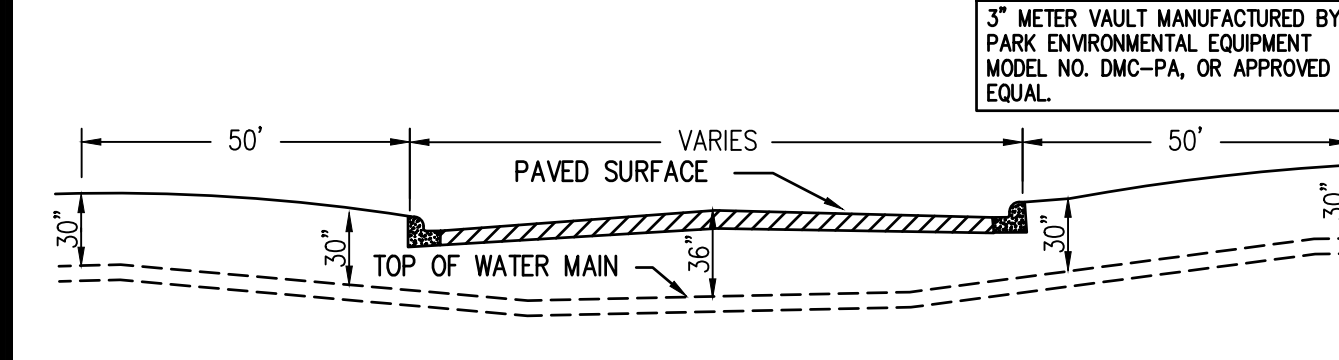
JOB NO.
06100.C3.02



STANDARD METER VAULT DETAIL FOR 3", 6", & 6" METERS

METER SIZE	L	W	H ₁	H ₂
3" METER	11'-6"	8'-0"	4'-9"	2'-0"
6" METER	NA	NA	NA	NA
6" METER	NA	NA	NA	NA

NA= NOT APPLICABLE ON SUBJECT PROJECT

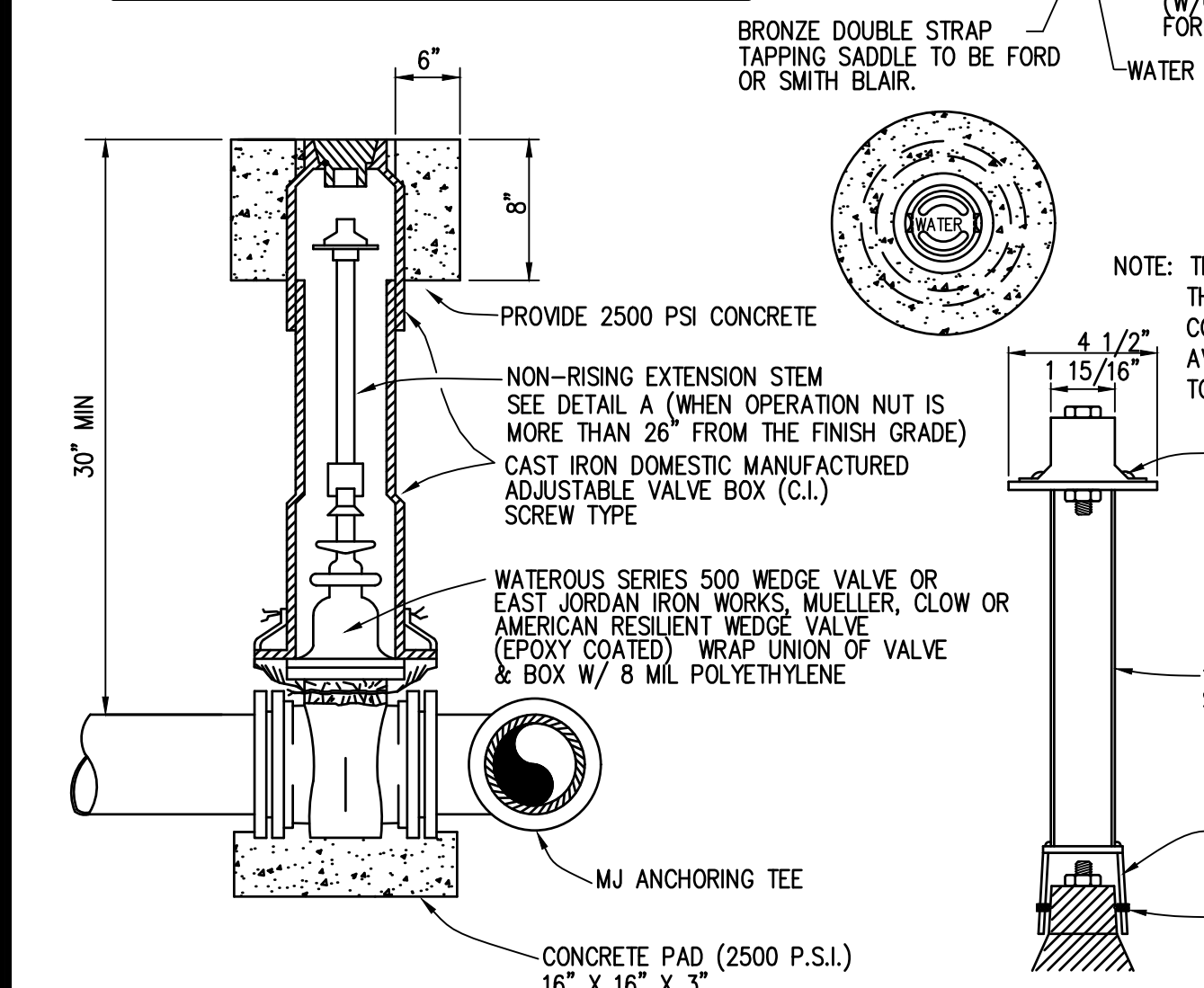


TYPICAL STREET CROSSING MINIMUM COVER

NOTE: LINES RUNNING PARALLEL TO STREET SHALL HAVE SAME MINIMUM COVER AS SHOWN.

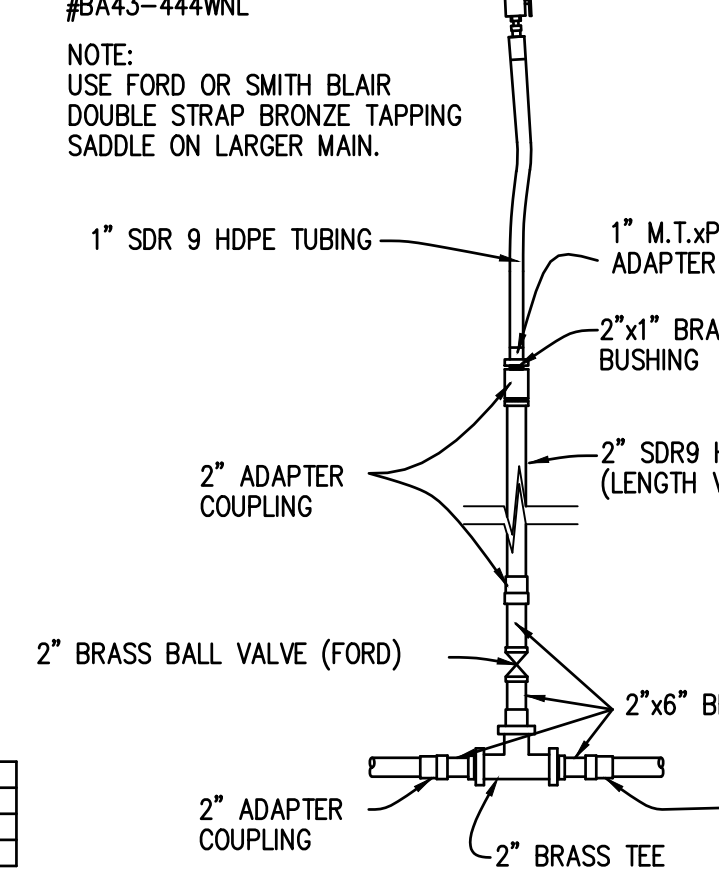
NOTE: SEE PAVING AND MISCELLANEOUS DETAIL SHEET.

PAVEMENT CROSSING DETAILS



TYPICAL VALVE INSTALLATION

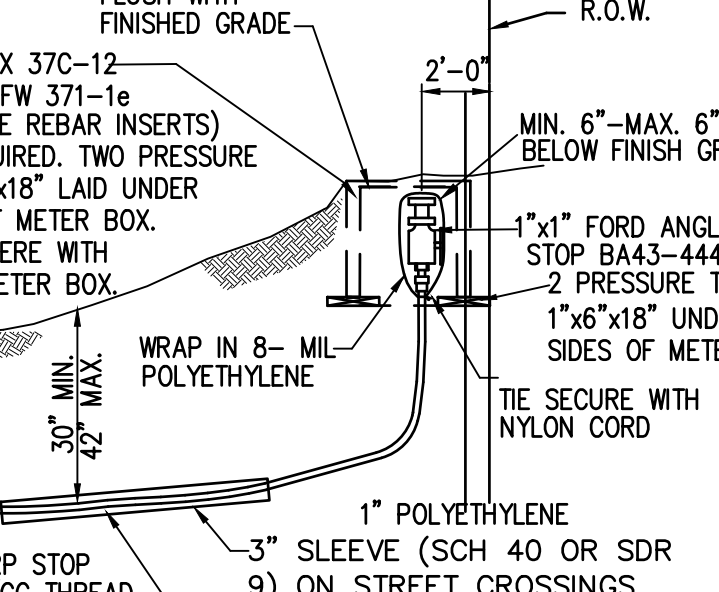
- NOTES:
1. ALL FITTINGS AND PIPE WITHIN VAULT SHALL BE CEMENT MORTAR LINED DUCTILE OR CAST IRON PIPE MEETING AWWA SPECIFICATION FOR WATER SERVICE.
 2. ALL PIPING INSIDE VAULT SHOULD BE SUPPORTED OR SHIMMED AS REQUIRED AND APPROVED BY DISTRICT.
 3. ALL FERROUS METAL TO BE EPOXY COATED BEFORE INSTALLATION.
 4. EAST JORDAN IRON WORKS, MUELLER, OR AMERICAN RESILIENT WEDGE VALVES WITH S.S. BOLTS.
 5. 2" FORD BRONZE BALL VALVE WITH LOCKING WING NUT.
 6. BRONZE METER STRAINER.
 7. TYLER SOLID SLEEVE, CEMENT LINED & S.S. BOLTS.
 8. AMERICAN EPOXY COATED RUBBER DISC CHECK VALVE.
 9. WATER METER SIZE & TYPE TO BE PROVIDED BY OWNER.
 10. ALL VAULT COVERS TO BE ALUMINUM SINGLE LEAF 30"x48" ALUMINUM ACCESS HATCH CENTERED BETWEEN METER AND DISCHARGE VALVE WITH SLAM LOCKS AND SPRING ASSISTED COVER TO BE H2O LOAD RATED.
 11. ALL BOLTS AND HARDWARE TO BE STAINLESS STEEL.
 12. SERVICES UNDER CONCRETE PAVING SHALL BE INSTALLED INSIDE APPROPRIATELY SIZED PVC CASING PIPE.



SINGLE WATER SERVICE GREATER THAN 60' IN LENGTH

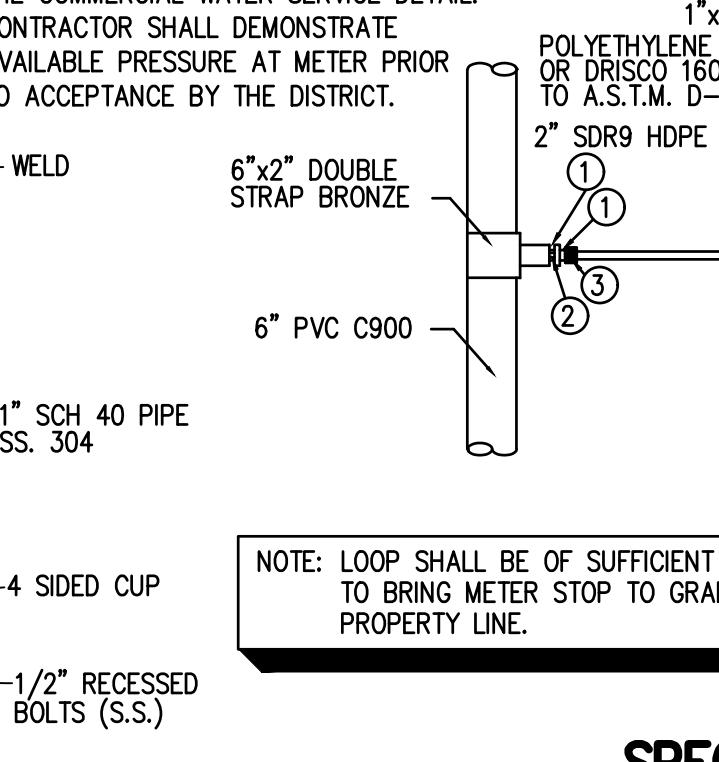
NOTE: LOOP SHALL BE OF SUFFICIENT DIAMETER TO BRING METER STOP TO GRADE AT PROPERTY LINE.

TYPICAL HOUSE SERVICE DETAIL

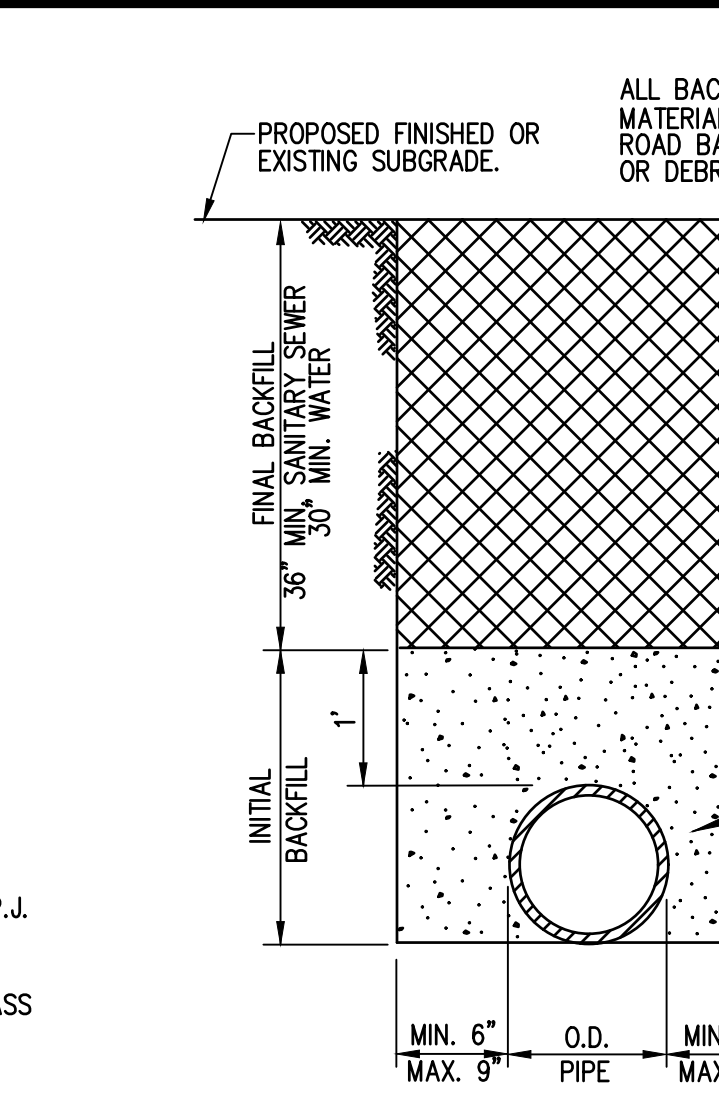


TYPICAL HOUSE SERVICE DETAIL

NOTE: THE FIRST PART OF TAP IS IDENTICAL TO THE COMMERCIAL WATER SERVICE DETAIL. CONTRACTOR SHALL DEMONSTRATE AVAILABLE PRESSURE AT METER PRIOR TO ACCEPTANCE BY THE DISTRICT.



SPECIAL 60+ DOUBLE SERVICE DETAIL*



UNDER EXISTING OR PROPOSED ROADWAY

ALL BACKFILL SHALL BE SELECT MATERIAL FREE OF PAVEMENT OR ROAD BASE, CLODS, VEGETATION, OR DEBRIS.

EMBEDMENT DETAIL

NOTE: LOOP SHALL BE OF SUFFICIENT DIAMETER TO BRING METER STOP TO GRADE AT PROPERTY LINE.

COMMERCIAL WATER SERVICE DETAIL

NOTE: SEE PAVING AND MISCELLANEOUS DETAIL SHEET.

CROSS WITH PLUG THRUST BLOCK DETAILS

NOTE: SEE PAVING AND MISCELLANEOUS DETAIL SHEET.

WATER NOTES (N.C.W.C.&I.D. No.4)

1. STANDARDS- ALL WATER CONSTRUCTION SHALL BE IN ACCORDANCE WITH REQUIREMENTS AS SPECIFIED BY THE N.C.W.C.&I.D. No. 4 STANDARDS AND SPECIFICATIONS.

2. D.I. PIPE- SHALL BE CLASS 200 DUCTILE IRON PIPE CONFORMING TO U.S.A. STAND. A21.50. CAST IRON PIPE SHALL BE LINED WITH ENAMELED CEMENT MORTAR STANDARD THICKNESS AS SPECIFIED IN A.N.S.I. STANDARD A21.4.85.

3. D.I. PIPE WRAP- ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE DOUBLE CONTINUOUS WRAPPED WITH 8 MIL. POLYETHYLENE.

4. PVC PIPE- 3" LINES AND SMALLER SHALL BE SCH 80 PVC POLYVINYL CHLORIDE PIPE RATED @ 200 P.S.I., CONFORMING TO A.S.T.M. D-1784 AND D-2241. 4 LINES AND ABOVE, TO INCLUDE FIRE PROTECTION LINE, SHALL BE SDR 18 GLASS 150, MEETING THE REQUIREMENTS OF A.W.W.A. C-900, DR 25. JOINTS SHALL BE OF THE ELASTOMERIC GASKET TYPE MEETING THE REQUIREMENTS OF A.S.T.M. F-477.

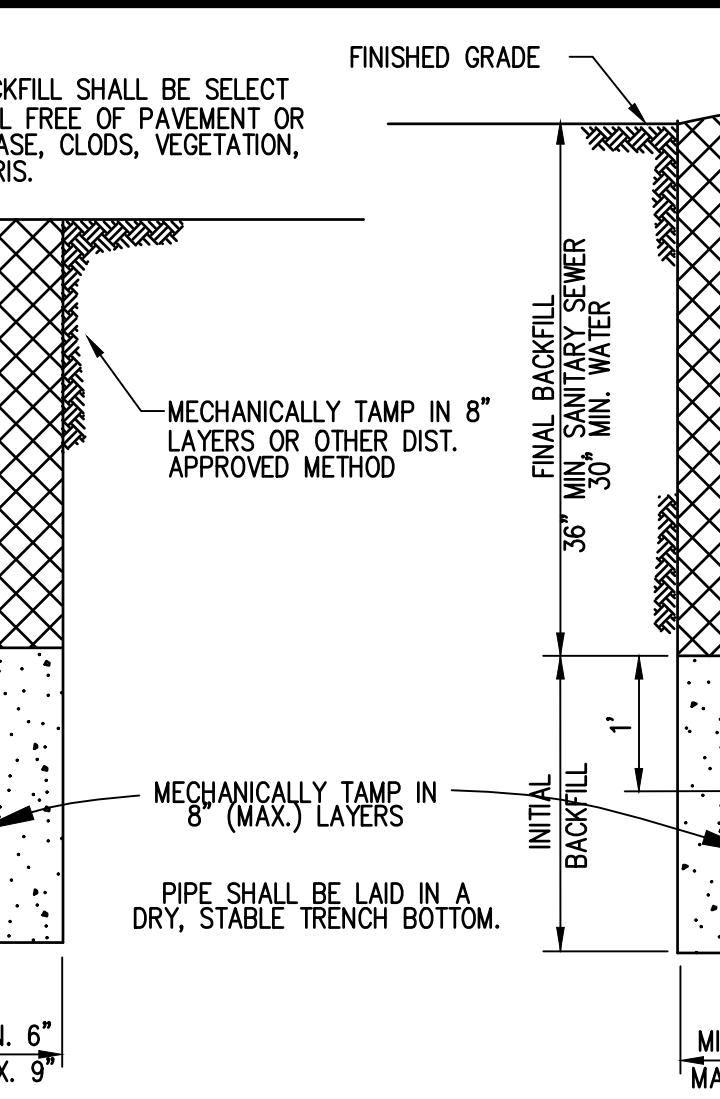
5. D.I. FITTINGS- ALL FITTINGS 6" AND LARGER WILL BE CLASS 350 DUCTILE IRON MECHANICAL JOINT TYPE (MORTAR LINED). AND BE MEGA LUGGED AS SHOWN ON THRUST BLOCK DETAIL. ALL FITTINGS SHALL BE DOMESTIC MANUFACTURED.

6. THRUST BLOCKING- a. CONCRETE THRUST BLOCKING SHALL BE PROVIDED AT ALL FITTINGS AND FIRE HYDRANTS EXCEPT AS SHOWN OTHERWISE.

b. CONCRETE THRUST BLOCKING SHALL PROVIDE ENOUGH BEARING AREA IN ORDER THAT THE LINE AND FITTINGS WILL NOT MOVE WHEN SUBJECTED TO TEST PRESSURES.

c. ALL VALVES SHALL OPEN IN A COUNTER-CLOCKWISE DIRECTION.

d. ALL VALVES SHALL BE IRON BODY, IRON WEDGE, RESILIENT SEAT, CONFORMING TO A.W.W.A. C-500 AND C-504. WATEROUS SERIES 500 RESILIENT WEDGE VALVE (EPOXY COATED), EAST JORDAN IRON WORKS FLOWMASTER RESILIENT WEDGE GATE VALVE (EPOXY COATED), OR EQUAL.



FIRE RISER NOTES AND DETAIL

NOTE: SEE PAVING AND MISCELLANEOUS DETAIL SHEET.

STANDARD DITCH OR PIPE CROSSING ADJUSTMENT DETAIL

NOTE: SEE PAVING AND MISCELLANEOUS DETAIL SHEET.

CONCRETE SUPPORT BEHIND FITTING

NOTE: SEE PAVING AND MISCELLANEOUS DETAIL SHEET.

TYPICAL PLAN OF VALVE AND THRUST BLOCK LOCATION

NOTE: SEE PAVING AND MISCELLANEOUS DETAIL SHEET.

DESIGN APPROVED

NUCES COUNTY WATER CONTROL & IMPROVEMENT DISTRICT NO.4

DATE:

APPROVAL EXPIRES 6 MONTHS FROM DATE ON ANY PORTION NOT YET UNDER CONSTRUCTION

THE CONTRACTOR SHALL NOTIFY THE OFFICE OF THE NUCES COUNTY WATER CONTROL AND IMPROVEMENTS DISTRICT NO.4 AT LEAST 24 HOURS PRIOR TO EXCAVATING WITHIN 20 FEET OF ANY EXISTING WATER OR SEWER LINE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO KEEP THE OFFICE INFORMED AT LEAST ONCE EACH DAY OF HIS ACTIVITIES WHILE WORKING WITHIN SAID 20 FEET. THE ACTUAL CONNECTION MUST BE OBSERVED BY A REPRESENTATIVE OF THE WATER CONTROL AND IMPROVEMENT DISTRICT NO.4, 315 S. NINTH ST. THE TELEPHONE NO. IS 361-749-5201.

CONTRACTOR SHALL STERILIZE AND TEST ALL WATER LINES IN ACCORDANCE WITH T.C.E.Q. REGULATIONS.

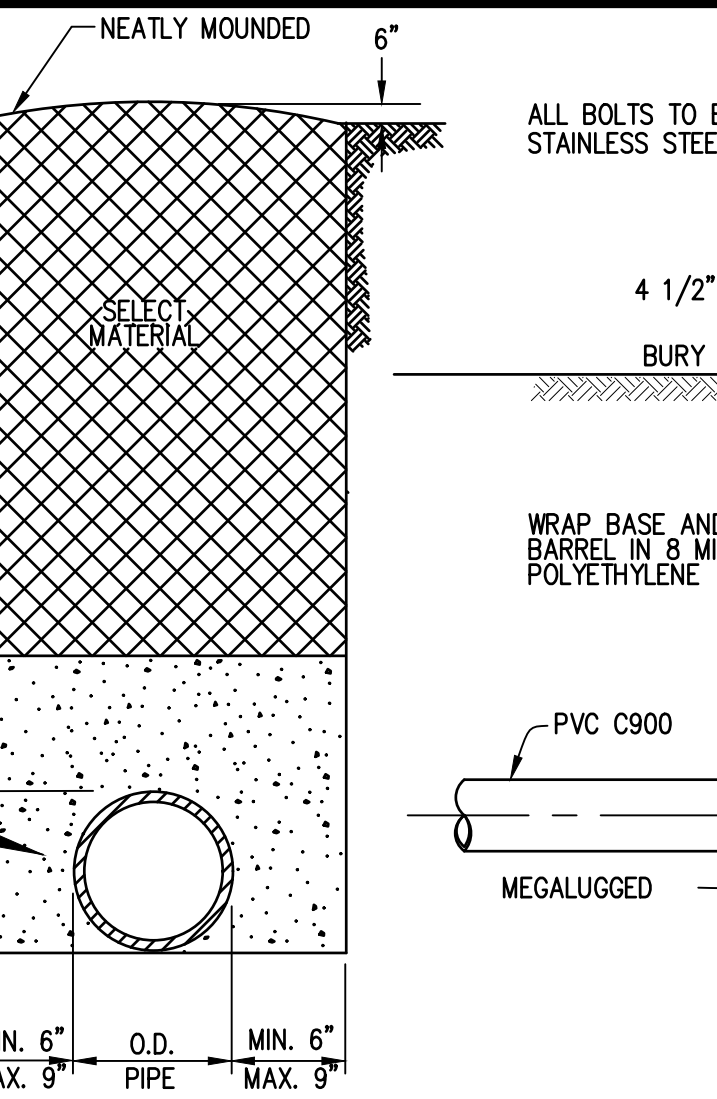
MUST BE LAID ON DRY, FIRM BOTTOM (AS SHOWN ON DITCH EMBEDMENT DETAIL).

WATER MAIN SHOULD HAVE A MIN. 30" AND A MAX. 42" IF POSSIBLE.

FLOW TEST HYDANT AFTER INSTALLATION, INSTALL BLUE REFLECTION MARKER(S) IN STREET AS REQUIRED FOR CITY, AND PAINT WITH TWO OF EPOXY PAINT, COLOR TO BE DETERMINED BY DISTRICT, REMOVE AND DISCARD CHAINS PRIOR TO PAINT.

ALL TRANSITION COUPLINGS SHALL BE JCM EPOXY COATED LONG STYLE WITH STAINLESS STEEL BOLTS.

TAPS ON EXISTING LINES THE SAME SIZE AS LINE BEING INSTALLED SHALL REQUIRE ALONG (24") STAINLESS STEEL TAPPING SADDLE.



FIRE HYDRANT DETAILS

NOTE: SEE PAVING AND MISCELLANEOUS DETAIL SHEET.

STANDARD DITCH OR PIPE CROSSING ADJUSTMENT DETAIL

NOTE: SEE PAVING AND MISCELLANEOUS DETAIL SHEET.

CONCRETE SUPPORT BEHIND FITTING

NOTE: SEE PAVING AND MISCELLANEOUS DETAIL SHEET.

TYPICAL PLAN OF VALVE AND THRUST BLOCK LOCATION

NOTE: SEE PAVING AND MISCELLANEOUS DETAIL SHEET.

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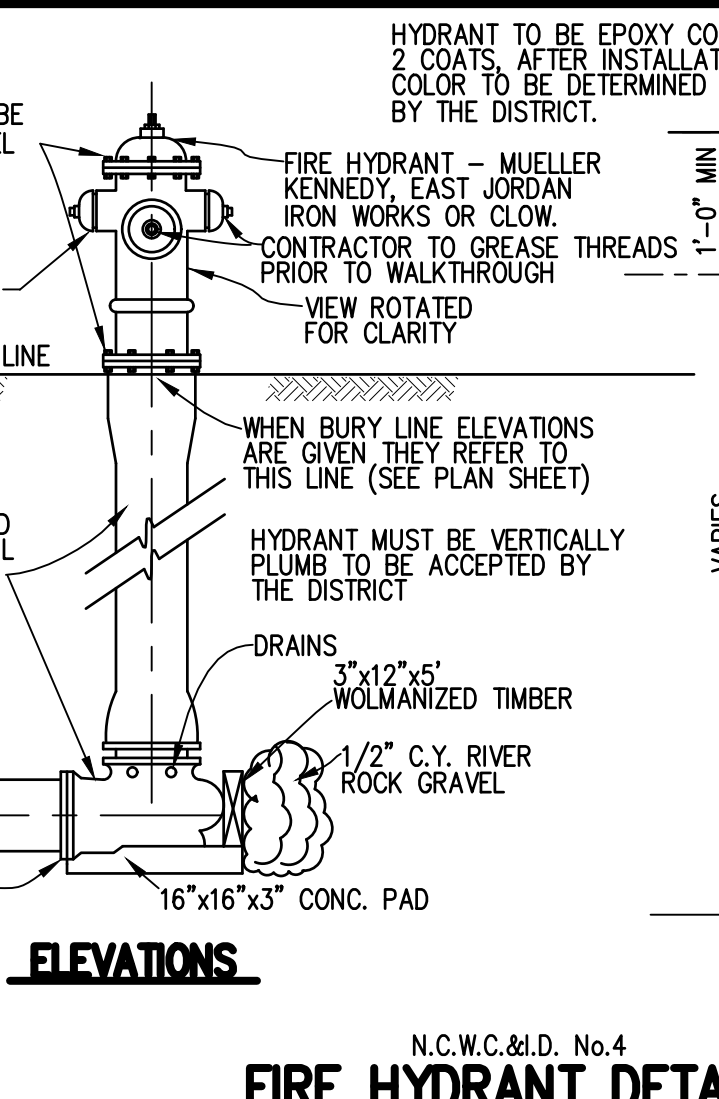
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TAPS ON EXISTING LINES THE SAME SIZE AS LINE BEING INSTALLED SHALL REQUIRE ALONG (24") STAINLESS STEEL TAPPING SADDLE.



FIRE HYDRANT DETAILS

NOTE: SEE PAVING AND MISCELLANEOUS DETAIL SHEET.

STANDARD DITCH OR PIPE CROSSING ADJUSTMENT DETAIL

NOTE: SEE PAVING AND MISCELLANEOUS DETAIL SHEET.

CONCRETE SUPPORT BEHIND FITTING

NOTE: SEE PAVING AND MISCELLANEOUS DETAIL SHEET.

TYPICAL PLAN OF VALVE AND THRUST BLOCK LOCATION

NOTE: SEE PAVING AND MISCELLANEOUS DETAIL SHEET.

DESIGN APPROVED

NUCES COUNTY WATER CONTROL & IMPROVEMENT DISTRICT NO.4

DATE:

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CONTRACTOR SHALL STERILIZE AND TEST ALL WATER LINES IN ACCORDANCE WITH T.C.E.Q. REGULATIONS.

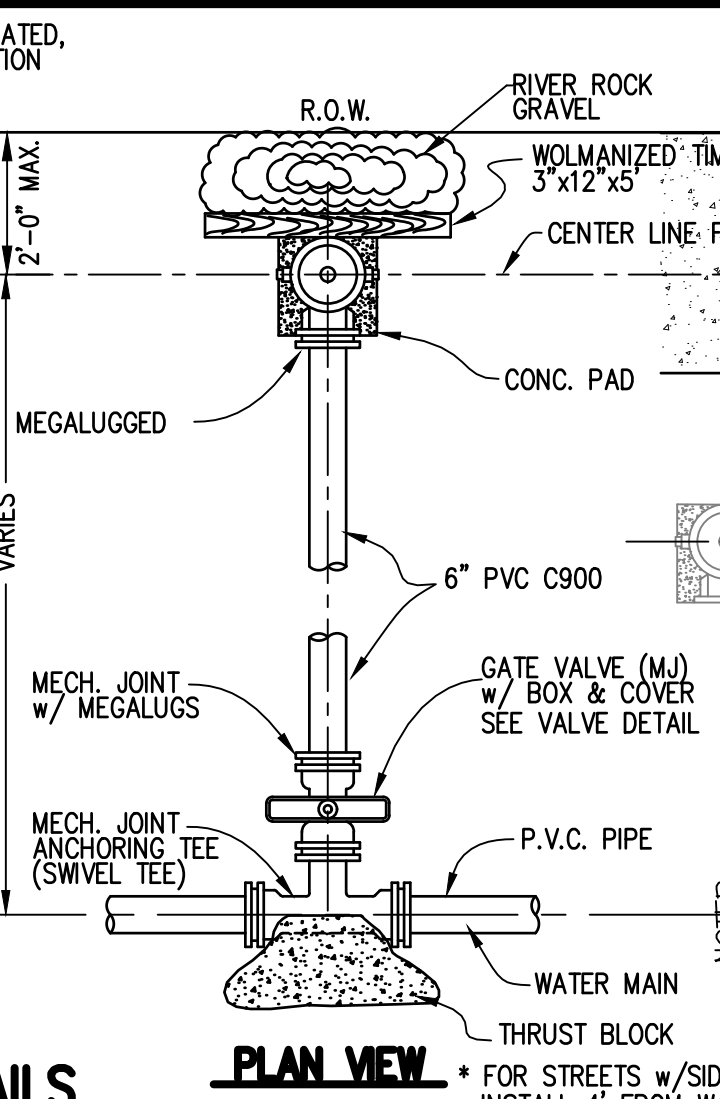
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ALL TRANSITION COUPLINGS SHALL BE JCM EPOXY COATED LONG STYLE WITH STAINLESS STEEL BOLTS.

TAPS ON EXISTING LINES THE SAME SIZE AS LINE BEING INSTALLED SHALL REQUIRE ALONG (24") STAINLESS STEEL TAPPING SADDLE.



FIRE HYDRANT DETAILS

NOTE: SEE PAVING AND MISCELLANEOUS DETAIL SHEET.

STANDARD DITCH OR PIPE CROSSING ADJUSTMENT DETAIL

NOTE: SEE PAVING AND MISCELLANEOUS DETAIL SHEET.

CONCRETE SUPPORT BEHIND FITTING

NOTE: SEE PAVING AND MISCELLANEOUS DETAIL SHEET.

TYPICAL PLAN OF VALVE AND THRUST BLOCK LOCATION

NOTE: SEE PAVING AND MISCELLANEOUS DETAIL SHEET.

DESIGN APPROVED

NUCES COUNTY WATER CONTROL & IMPROVEMENT DISTRICT NO.4

DATE:

APPROVAL EXPIRES 6 MONTHS FROM DATE ON ANY PORTION NOT YET UNDER CONSTRUCTION

THE CONTRACTOR SHALL NOTIFY THE OFFICE OF THE NUCES COUNTY WATER CONTROL AND IMPROVEMENTS DISTRICT NO.4 AT LEAST 24 HOURS PRIOR TO EXCAVATING WITHIN 20 FEET OF ANY EXISTING WATER OR SEWER LINE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO KEEP THE OFFICE INFORMED AT LEAST ONCE EACH DAY OF HIS ACTIVITIES WHILE WORKING WITHIN SAID 20 FEET. THE ACTUAL CONNECTION MUST BE OBSERVED BY A REPRESENTATIVE OF THE WATER CONTROL AND IMPROVEMENT DISTRICT NO.4, 315 S. NINTH ST. THE TELEPHONE NO. IS 361-749-5201.

CONTRACTOR SHALL STERILIZE AND TEST ALL WATER LINES IN ACCORDANCE WITH T.C.E.Q. REGULATIONS.

MUST BE LAID ON DRY, FIRM BOTTOM (AS SHOWN ON DITCH EMBEDMENT DETAIL).

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REV.	BY	DATE	DESCRIPTION
1	SB	2025	SPG

SCALE: NOTED

DRAWN: SB

CHECKED: SPG

DATE: MAY 2025

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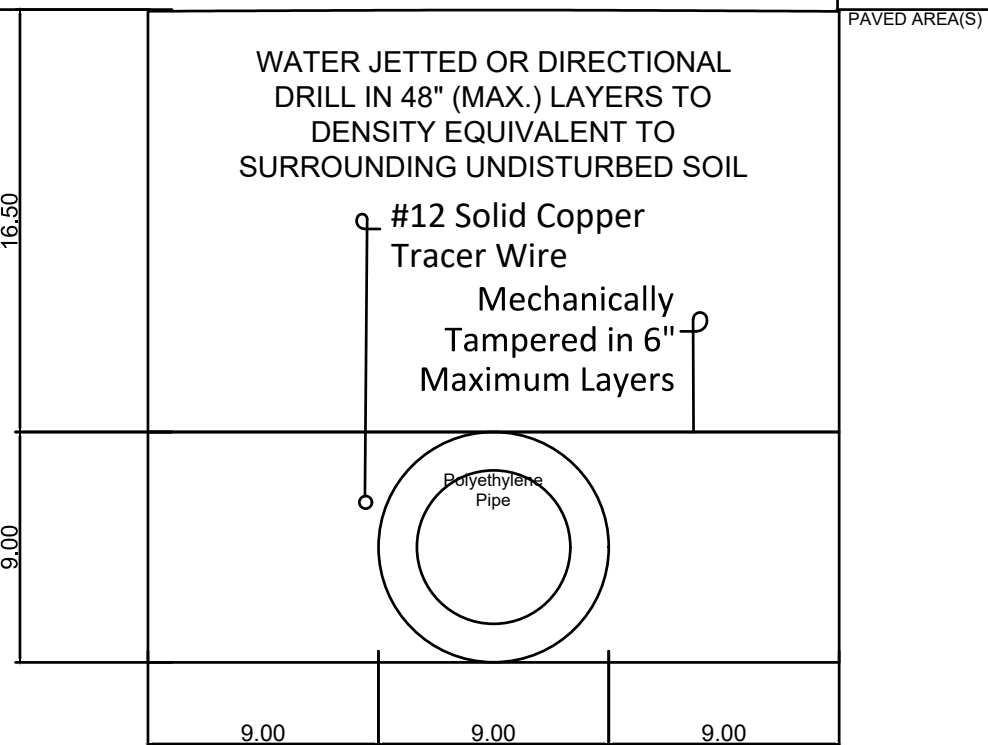
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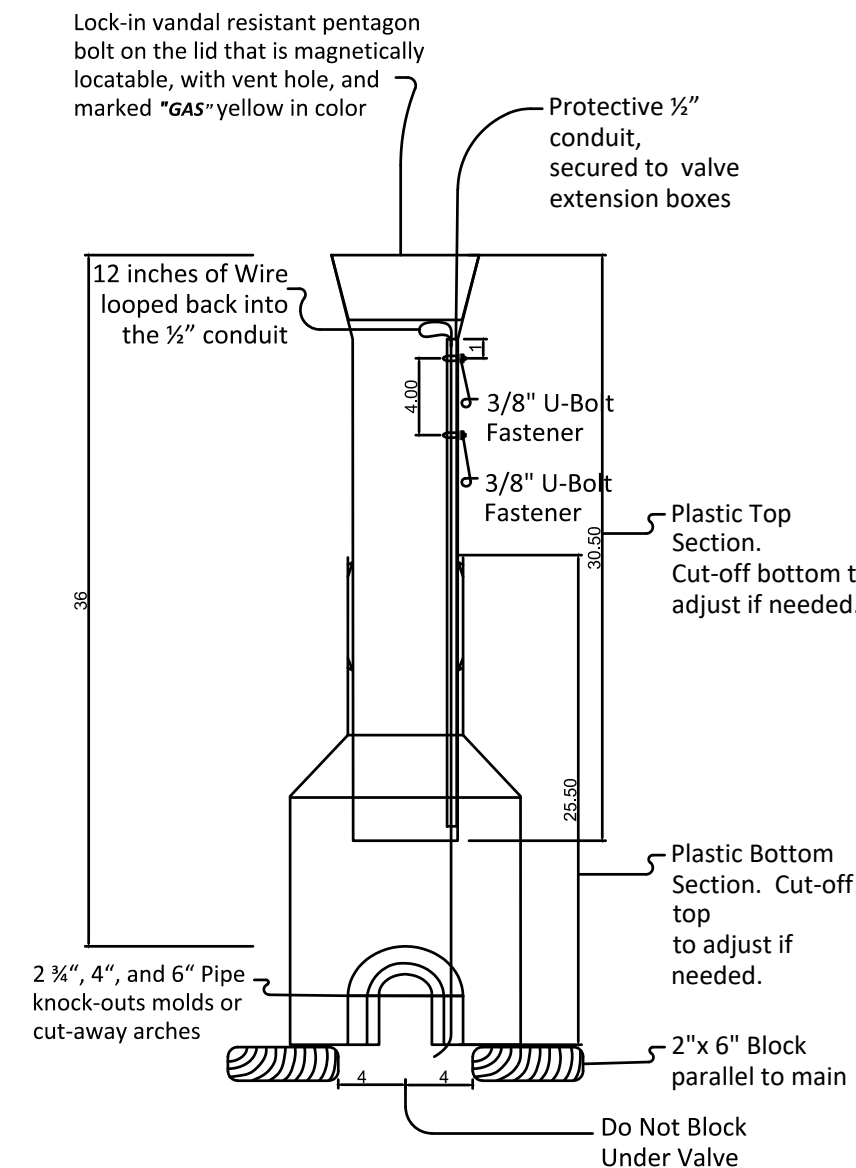
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The diagrams illustrate two acceptable repair methods for a 1-inch diameter hole in a 6-inch wide steel plate. The top diagram shows a 'BUTT FUSION' repair with a 'TEST STRAP' on either side, each 6 inches wide. The bottom diagram shows a 'SADDLE FIT' repair with a 'TEST STRAP' on either side, each 6 inches wide. Both diagrams show a 1-inch gap on the left side of the repair area.



3.1 MATERIALS
3.1.1 General
All gas pipe materials, and fittings shall be new and meet or exceed the minimum requirements of all Federal, State, Local, ASTM, ANSI, NFPA, etc.%; as incorporated by reference standard specifications and shall be the latest edition and/or revision.
3.1.2 Trench Excavation, Bedding, and Backfill
Trench excavation, bedding, and backfill material shall be in accordance with ASTM D2488 Vauld-Manual Procedures and the Unified Soil Classification System (USCS).
Native material (Sand) shall be acceptable for excavation backfill and bedding with the exception that the material is free from all ledge rock, blocktop, sea shell, boulders, cement, large stones, organic matter, rubbish, and other equivalent debris that could damage the integrity of the pipe and/or pipe coating.

§21.40. and ASTM D2774.

3.2.1 Polyethylene Pipe Installation

The Contractor shall inspect the polyethylene pipe for abnormalities during installation.

The Contractor shall ensure that all persons making heat fusion joints on the City of Port Aransas Natural Gas Distribution System are qualified in accordance with Section 5 JOINING. But fusion shall be performed between two pipe ends, or pipe ends and fitting outlets that have the same outside diameter and are not different in wall thickness. Transitions between unlike wall thickness shall only be made by means of electro-fusion.

Minimum joint and butt fusion radius for polyethylene pipe 500-11/2 is twenty five times (25x) the outer pipe diameter. If fittings are present in the bend the minimum joint and butt fusion radius shall be fifty times (50x) the outer pipe diameter. Fittings shall not be placed in nine bends.

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ARANSAS LIFE GUARD HEADQUARTERS
303 NINTH ST.
CITY OF PORT ARANSAS, TEXAS

Urban

10
OF 10
JOB NO.
06100.C3.02



JUMBO VALVE BOX 18" X 24" X 18". LID TO BE TAN IN
COLOR VERIFY ACTUAL LOCATION W/ PROJECT MANAGER &
L.A.

FOR INTERIM REVIEW
THESE DOCUMENTS ARE FOR
INTERIM REVIEW AND ARE NOT
INTENDED FOR BIDDING, PERMIT
OR CONSTRUCTION PURPOSES

ROBERT E. GIGNAC # 1559
EXP. DATE: 2/28/26



**GIGNAC
LANDSCAPE
ARCHITECTURE**

Robert Gignac, A.S.L.A., R.L.A. #1559
gignaclandscape@aol.com 361.853.0795
3833 S. Staples, Ste. N-119 Corpus Christi, TX 78411

EDR
architects

phone: 361.537.4400 erozypal@edrarchitects.com

Date:
MAY 15, 2025

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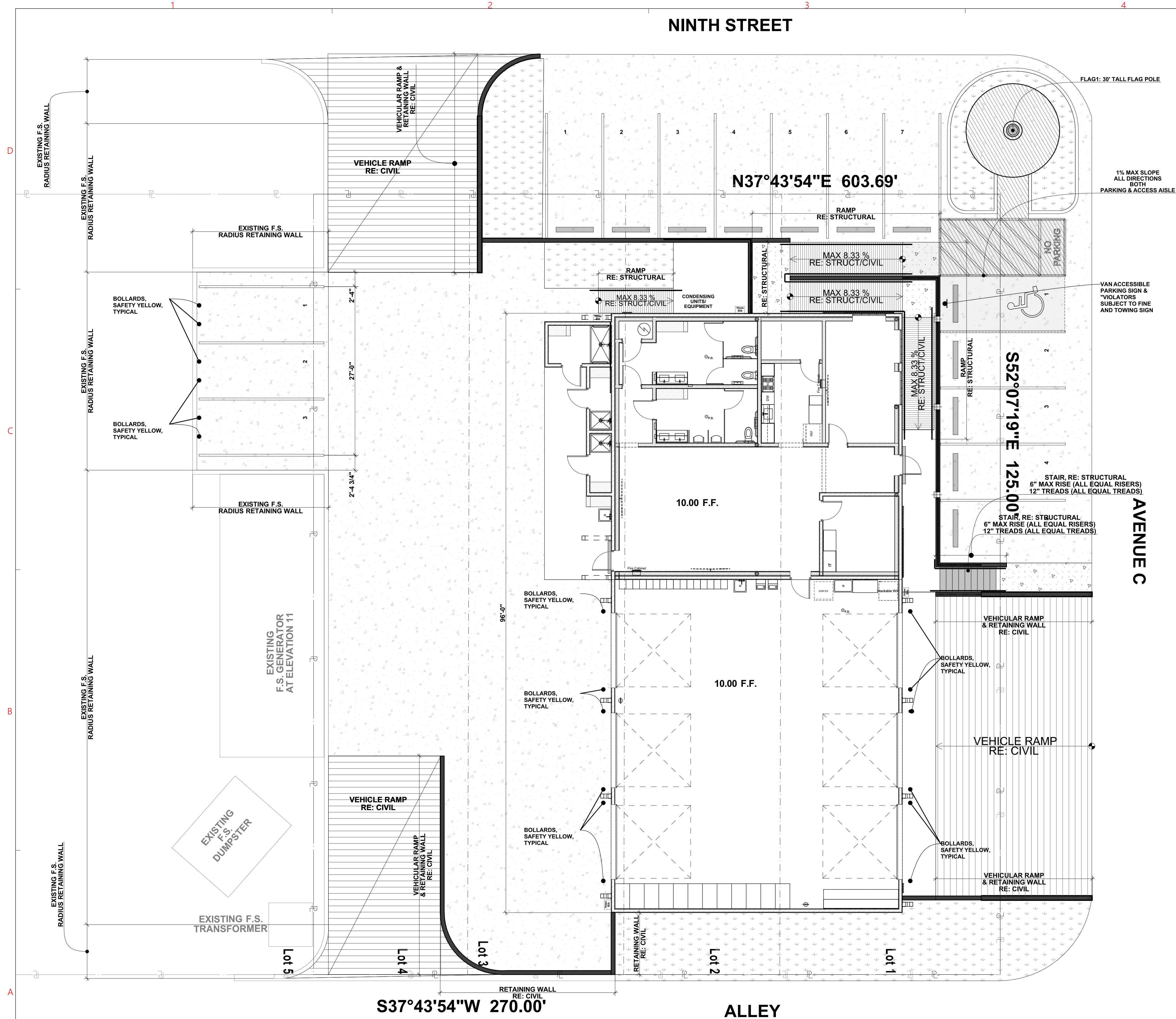
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A1
A100

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

ARCHITECTURAL-SCHEMATIC SITE PLAN

Plan North



GENERAL NOTES:

1. Contractor shall field verify all dimensions and notify Architect if discrepancies are found.
2. Contractor shall be responsible for complying with all State and Local building codes and amendments that apply to this project. Notify Architect if discrepancies are found.
3. Architectural Dimensions are to face of stud, CMU, or outside face of foundation, U.N.O.
4. Contractor shall verify locations and amounts of fire extinguishers with fire Marshal, typical. Provide F.E. within every 50', typical. F.E. shall be semi-Recessed and comply with all ADA/TDLR requirements.
5. Refer to G-SHEETS for information regarding Code Evaluations, typical.
6. Refer to Structural for all Structure, typical.
7. Refer to MEP for all MEP, typical.
8. Refer to Civil for all site details, paving notes, and site dimensions, Etc.
9. Refer to Landscape for all Landscape, irrigation, etc.
10. Refer to MISC 7 Note on A6

Insulation:

(CONTRACTOR SHALL COMPLY WITH 2018 IECC BUT NOT LESS THAN WHAT IS CALLED OUT IN THESE CONSTRUCTION DOCUMENTS)

1. Contractor shall provide STC 55 minimum sound batt insulation at all interior walls, typical.
2. Contractor shall provide R-19 Cavity Foam-in Place thermal insulation at exterior walls, typical.
3. Contractor shall provide R-30 Continuous RIGID Insulation and Cementitious Cover board at ALL Roof Locations.
4. Contractor shall provide R-19 Cavity Foam-in-Place thermal insulation at all walls between conditioned and non-conditioned spaces, typical.

Finishes:

1. Align joints and reveals in both walls and ceilings for tile and accent ceilings, typical.
2. All floor finishes shall comply with all state and local building codes and amendments and Texas Architectural Barriers (ADA) Section 302 for floor or ground surfaces.

Interior Signage:

1. Contractor shall supply and install tactile signs complying with ADA/TAS standards for all interior signage for ALL room identification, restrooms, exit passageways, occupant loads, exit discharge and exit stairways, Accessible Ramps, etc. AND as required by code, typical.
2. All signage shall be approved by Architect.
3. ALL signage shall be Aluminum.

Doors:

1. Contractor shall verify all door and frame dimensions prior to fabrication and installation, door dimensions are nominal.
2. Finish edges of wood doors shall match material and color of scheduled face finish, typical.
3. All thresholds at doors shall be ADA/TAS compliant, typical.
4. Door hardware shall comply with all state and local building codes and amendments and Texas Architectural Barriers (ADA) Section 309 Operable Parts.
5. Door and Gate Opening Force. Fire doors shall have a minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open a door or gate other than fire doors shall be as follows:
 - a. Interior hinged doors and gates: 5 pounds (22.2 N) maximum.
 - b. Sliding or folding doors: 5 pounds (22.2 N) maximum.These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position.

Blocking:

1. Contractor shall provide treated solid wood blocking in walls as required for wall mounted items (i.e. toilet accessories), typical.
2. All blocking shall be fire treated, typical.



IFC: MAY 15, 2025

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Project Address:
303 Ninth Street
Port Aransas TX
78373 Nueces
County

Date:
MAY 15, 2025

Project Name:
COPA-Lifeguard
Headquarters
Facility

Project No:
21004

ARCHITECTURAL-SCHEMATIC
SITE I-001 REV 02-25-2026

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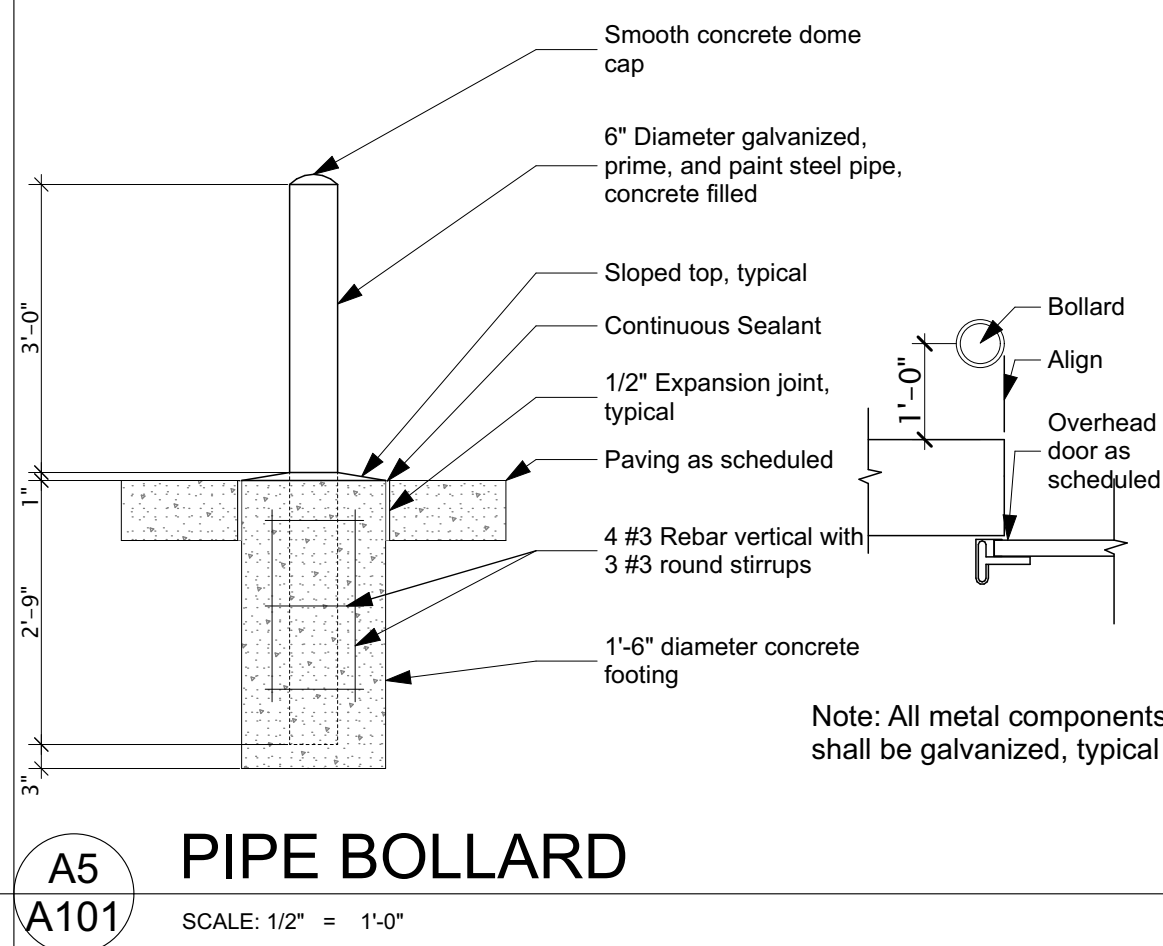
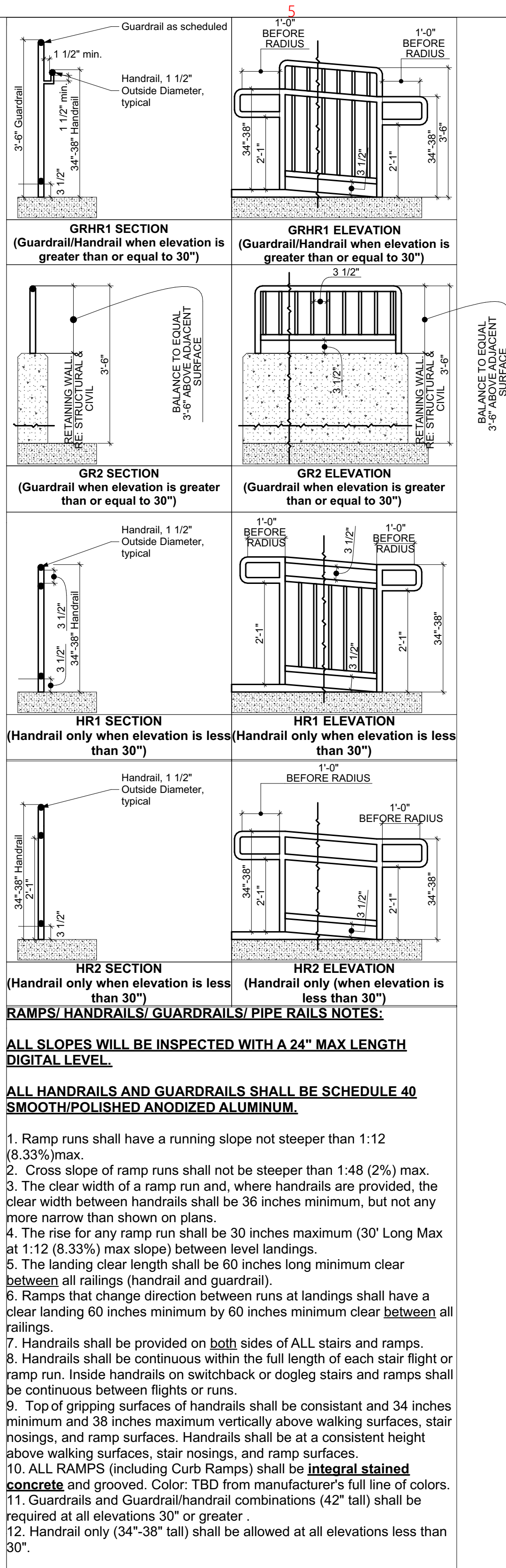
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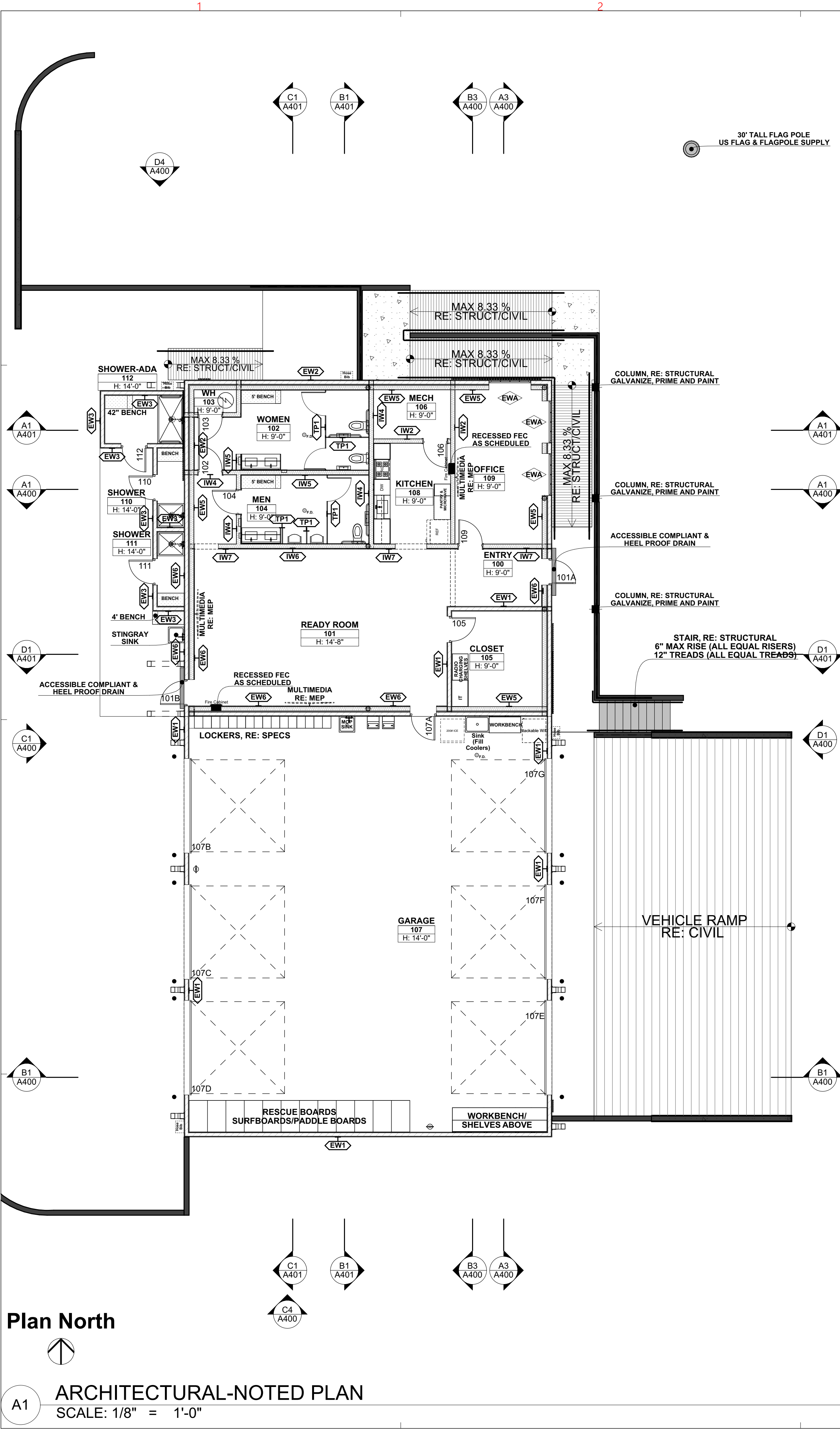
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Project Name:	COPA-Lifeguard Headquarters Facility	Project No:	21004
Project Address:	303 Ninth Street Port Aransas TX 78373 Nueces County	Date:	MAY 15, 2025

ARCHITECTURAL-FENCING-
RAILING PLAN-001 REV
02-25-2026

A101





GENERAL NOTES:

- Contractor shall field verify all dimensions and notify Architect if discrepancies are found.
- Contractor shall be responsible for complying with all State and Local building codes and amendments that apply to this project. Notify Architect if discrepancies are found.
- Architectural Dimensions are to face of stud, CMU, or outside face of foundation, U.N.O.
- Contractor shall verify locations and amounts of fire extinguishers with fire Marshal, typical. Provide F.E. within every 50', typical. F.E. shall be semi-Recessed and comply with all ADA/TDLR requirements.
- Refer to G-SHEETS for information regarding Code Evaluations, typical.
- Refer to Structural for all Structure, typical.
- Refer to MEP for all MEP, typical.
- Refer to Civil for all site details, paving notes, and site dimensions, Etc.
- Refer to Landscape for all Landscape, irrigation, etc.
- Refer to MISC 7 Note on A6

Insulation:
(CONTRACTOR SHALL COMPLY WITH 2018 IECC BUT NOT LESS THAN WHAT IS CALLED OUT IN THESE CONSTRUCTION DOCUMENTS)

- Contractor shall provide STC 55 minimum sound batt insulation at all interior walls, typical.
- Contractor shall provide R-19 Cavity Foam-in-Place thermal insulation at exterior walls, typical.
- Contractor shall provide R-30 Continuous RIGID Insulation and Cementitious Cover board at ALL Roof Locations.
- Contractor shall provide R-19 Cavity Foam-in-Place thermal insulation at all walls between conditioned and non-conditioned spaces, typical.

Finishes:

- Align joints and reveals in both walls and ceilings for tile and accent ceilings, typical.
- All floor finishes shall comply with all state and local building codes and amendments and Texas Architectural Barriers (ADA) Section 302 for floor or ground surfaces.

Interior Signage:

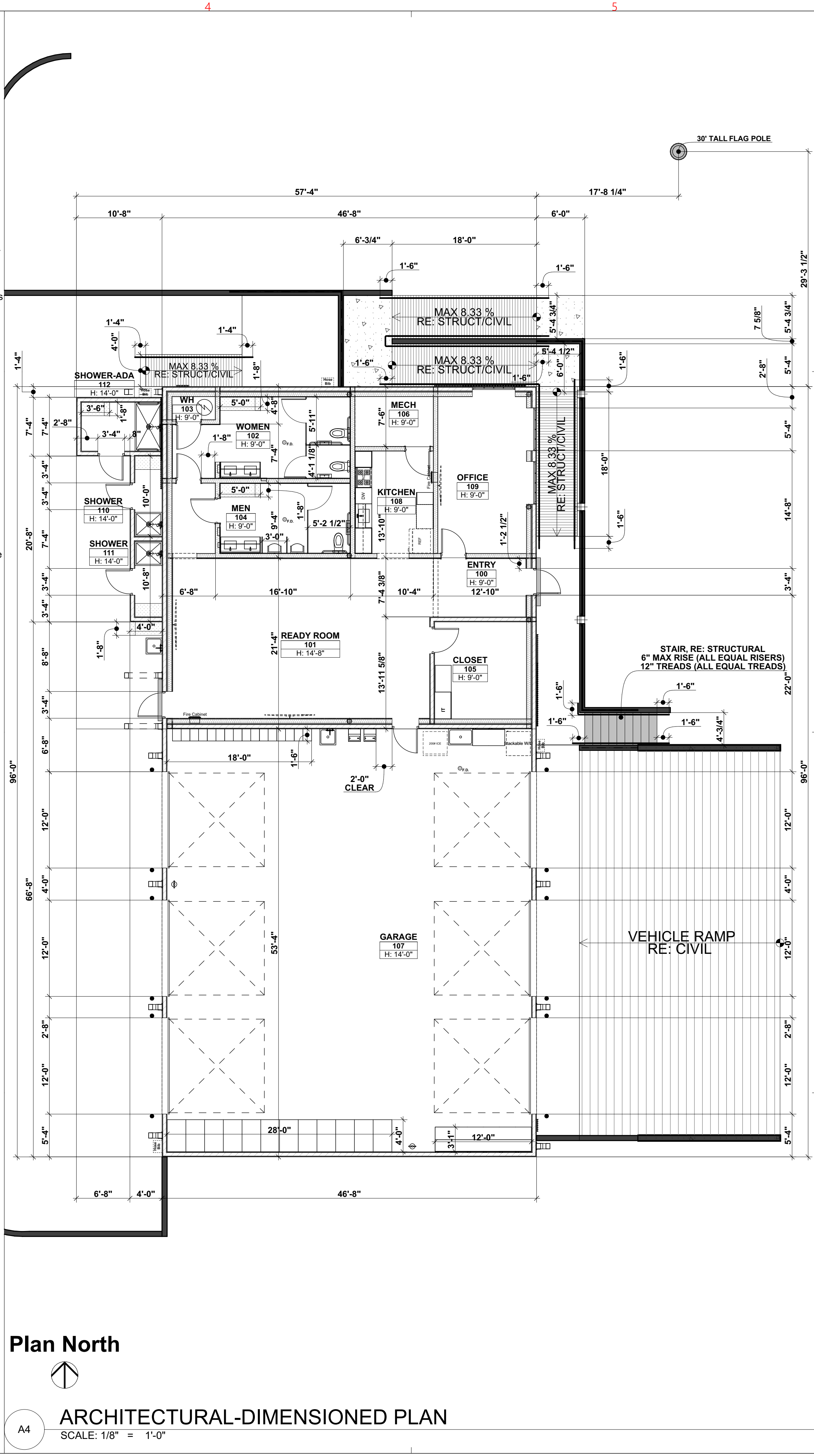
- Contractor shall supply and install tactile signs complying with ADA/TAS standards for all interior signage for ALL room identification, restrooms, exit passageways, occupant loads, exit discharge and exit stairways, Accessible Ramps, etc. AND as required by code, typical.
- All signage shall be approved by Architect.
- ALL signage shall be Aluminum.

Doors:

- Contractor shall verify all door and frame dimensions prior to fabrication and installation, door dimensions are nominal.
- Finish edges of wood doors shall match material and color of scheduled face finish, typical.
- All thresholds at doors shall be ADA/TAS compliant, typical.
- Door hardware shall comply with all state and local building codes and amendments and Texas Architectural Barriers (ADA) Section 309 Operable Parts.
- Door and Gate Opening Force. Fire doors shall have a minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open a door or gate other than fire doors shall be as follows:
 - Interior hinged doors and gates: 5 pounds (22.2 N) maximum.
 - Sliding or folding doors: 5 pounds (22.2 N) maximum.These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position.

Blocking:

- Contractor shall provide treated solid wood blocking in walls as required for wall mounted items (i.e. toilet accessories), typical.
- All blocking shall be fire treated, typical.



EDR architects

phone: 361.537.4400 erozypal@edrarchitects.com

REGISTERED ARCHITECT
EMANUEL D. ROYAL
#19900
STATE OFFICIAL
d.royal

IFC: MAY 15, 2025

Drawings and Specifications as instruments of service are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing and appropriate compensation to the Architect.

The General Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.

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Project Name:
COPA-Lifeguard
Headquarters
Facility

Project Address:
303 Ninth Street
Port Aransas TX
78373 Nueces
County

Project No:
21004

Date:
MAY 15, 2025

Issue

Revision

1 001 REV: 02-26-2026
0 IFC: MAY 15, 2025

ARCHITECTURAL-PLANS I-001
REV 02-25-2026

Sheet Title

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B

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Plan North



B1

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

NOTES:
CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING AND INSTALLING ALL FRAMING AND SUPPLEMENTAL FRAMING TO ENSURE ALL SYSTEMS ARE PROPERLY INSTALLED, PER CODES AND PER MANUFACTURER'S REQUIREMENTS FOR MANUFACTURER'S FULL SYSTEM WARRANTIES. THIS APPLIES TO ANY AND ALL SYSTEMS OF THE WORK TO COMPLETE THE PROJECT.

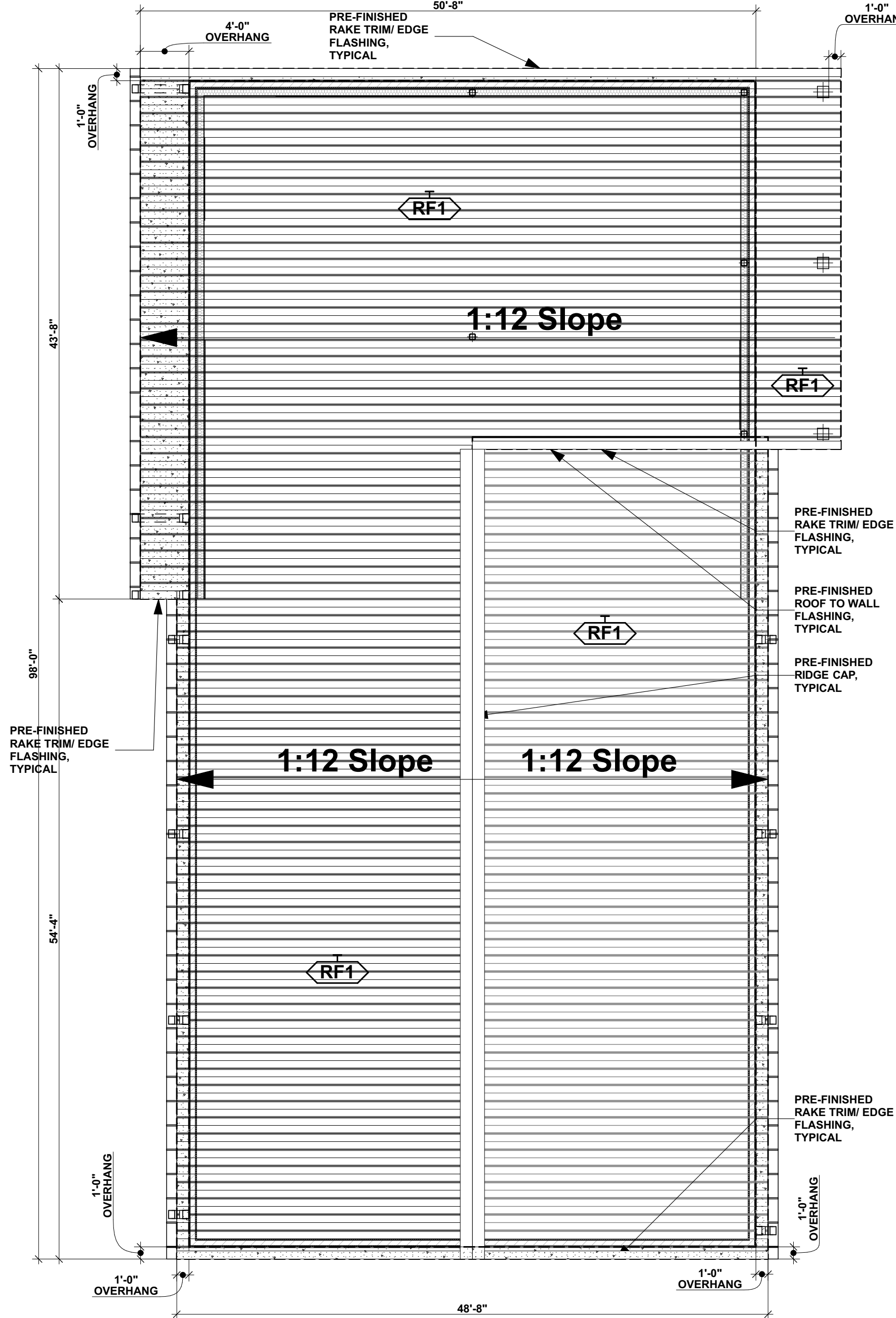
CONTRACTOR SHALL SUBMIT LIGHT-GAGE METAL STUD SHOP DRAWINGS WITH THE TDI WINDSTORM COMPLIANT SHOP DRAWINGS TO ENSURE THAT ANY/ALL FRAMING WILL RESIST ALL APPLIED WIND PRESSURES. THIS INCLUDES ALL STUD SIZES, BLOCKING/BRIDGING, FASTENERS, CONNECTIONS TO SUPPORT STRUCTURE, APPLICABLE DETAILS, AND VERIFICATION THAT THE NECESSARY STUD GAGE REQUIRED FOR ANCHORAGE OF THE SYSTEMS AND MATERIALS ARE FURNISHED.

Plan North



B2

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

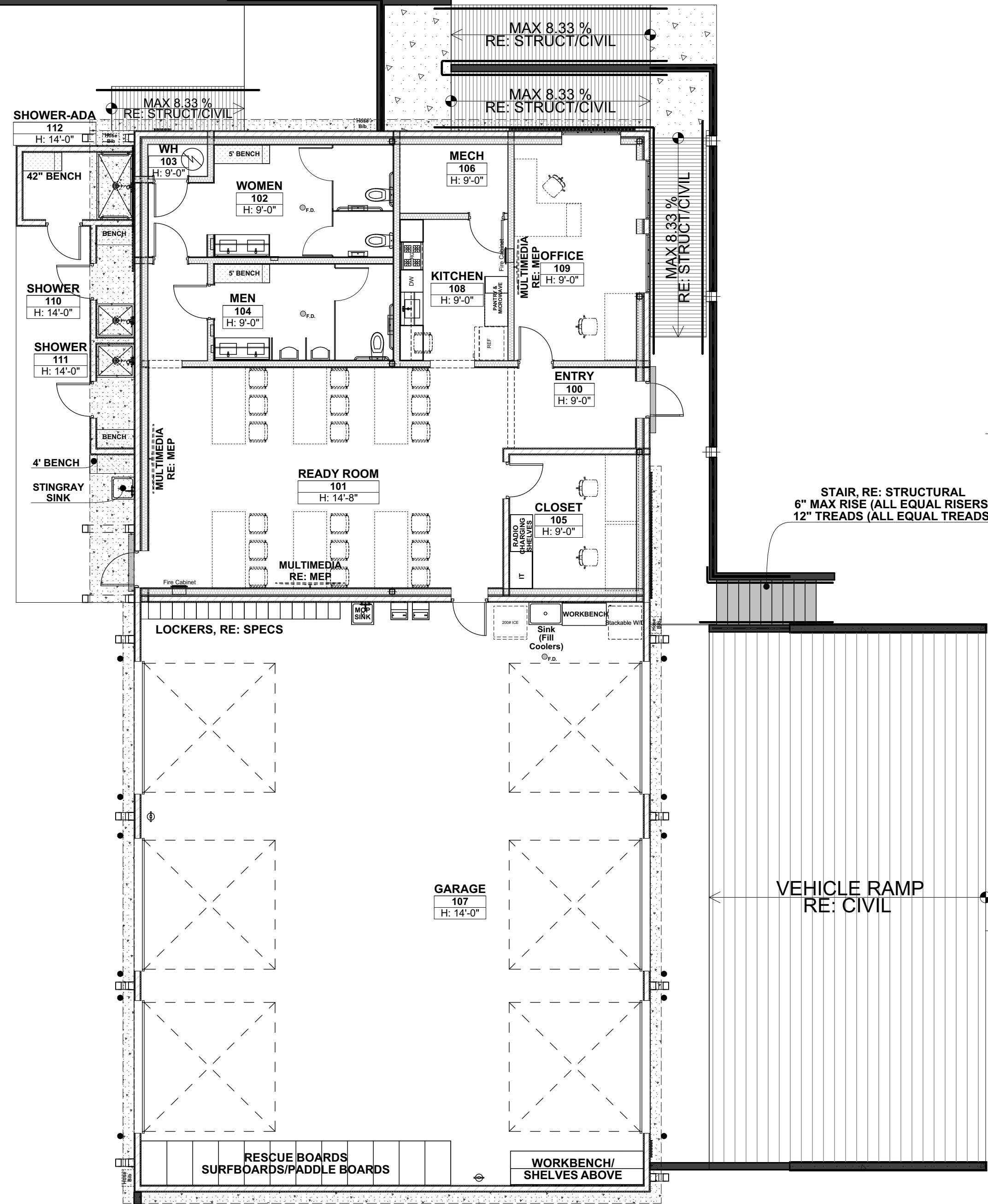


Plan North



B4

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



Notes:
1. Refer to Sheet A200 for General Notes.

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Project Address:
303 Ninth Street
Port Aransas TX
78373 Nueces
County

Date:
MAY 15, 2025

Project Name:
COPA-Lifeguard
Headquaters
Facility

Project No:
21004

ARCHITECTURAL-PLANS II-001
REV 02-25-2026



IFC: MAY 15, 2025

Revision

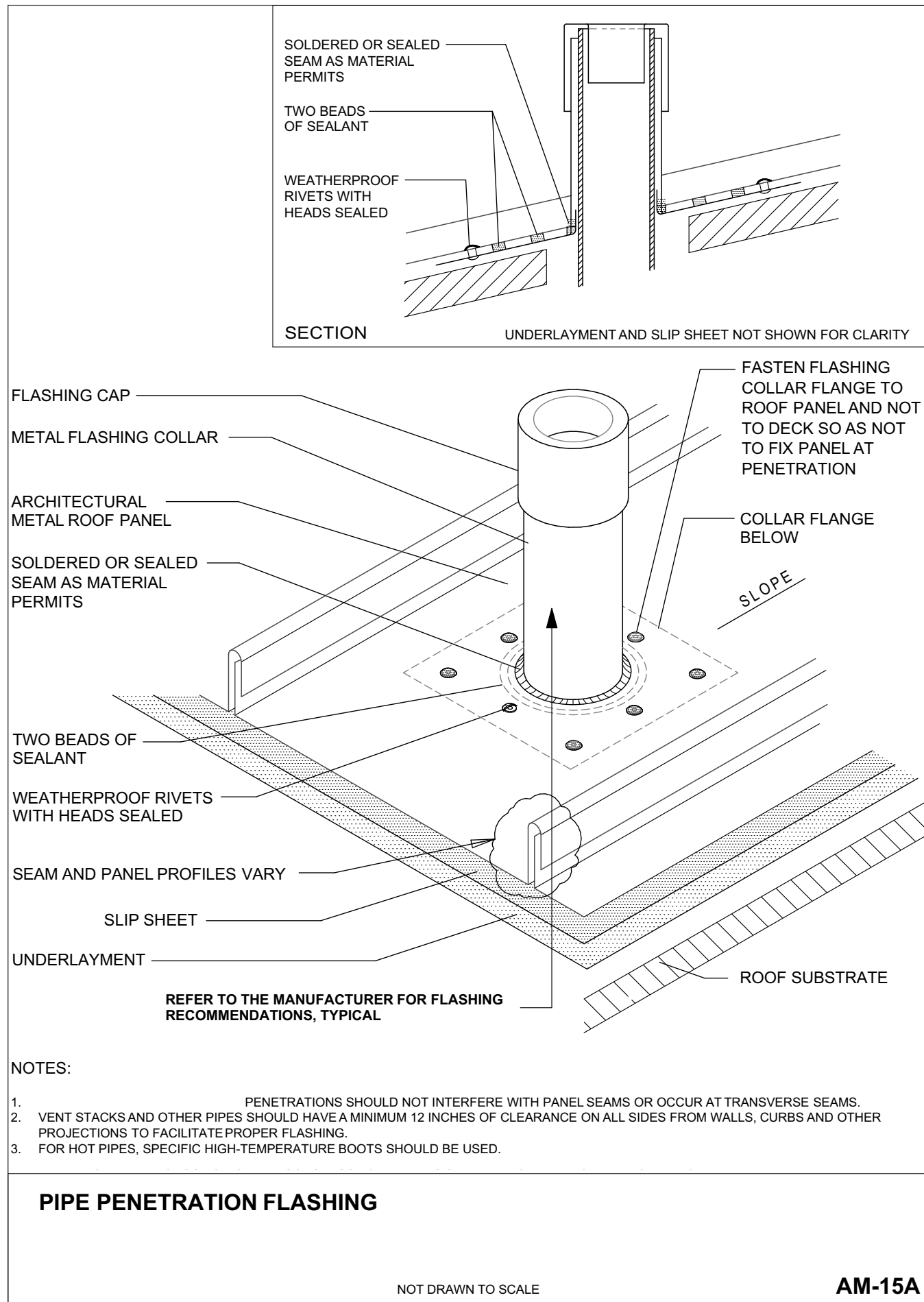
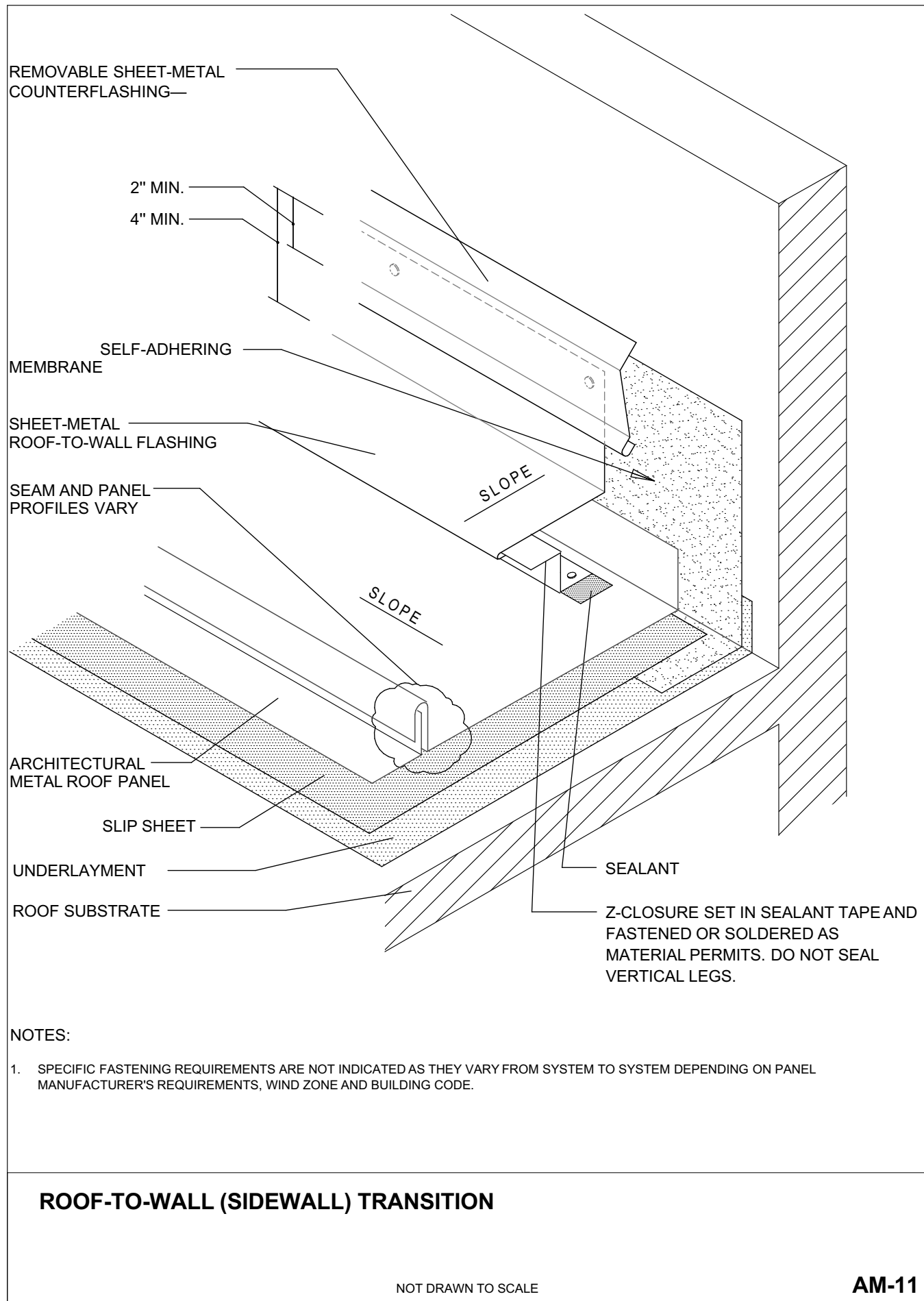
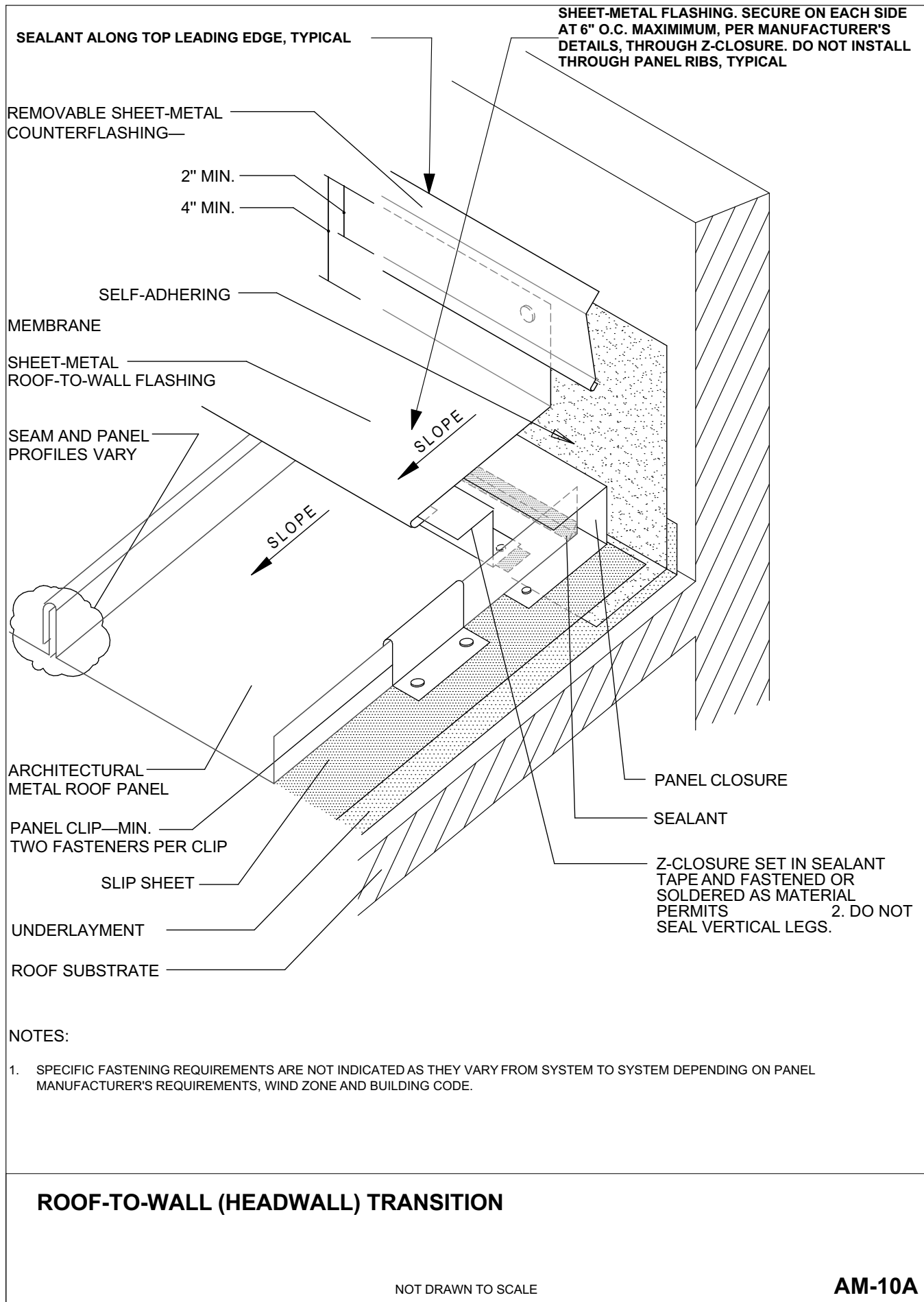
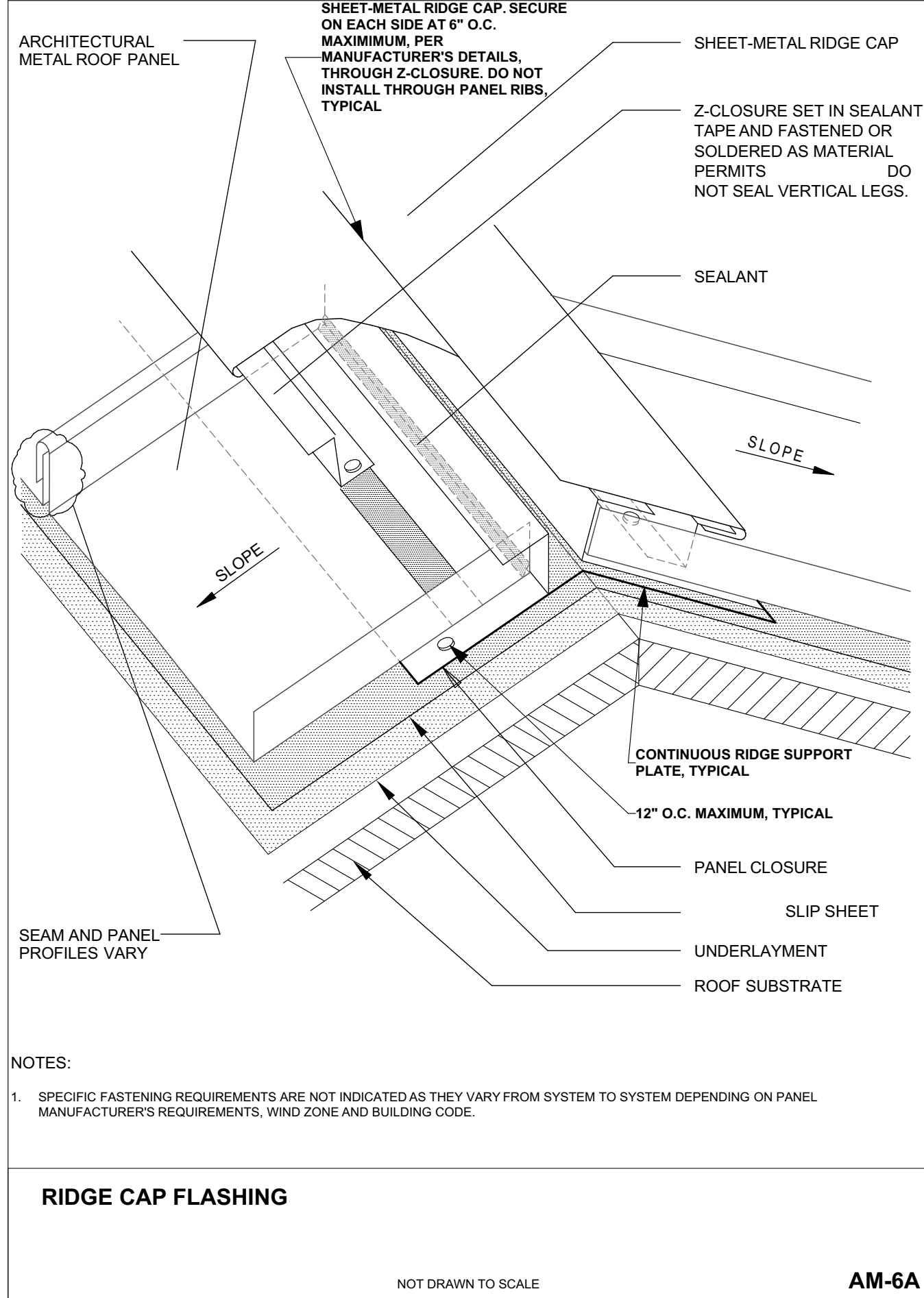
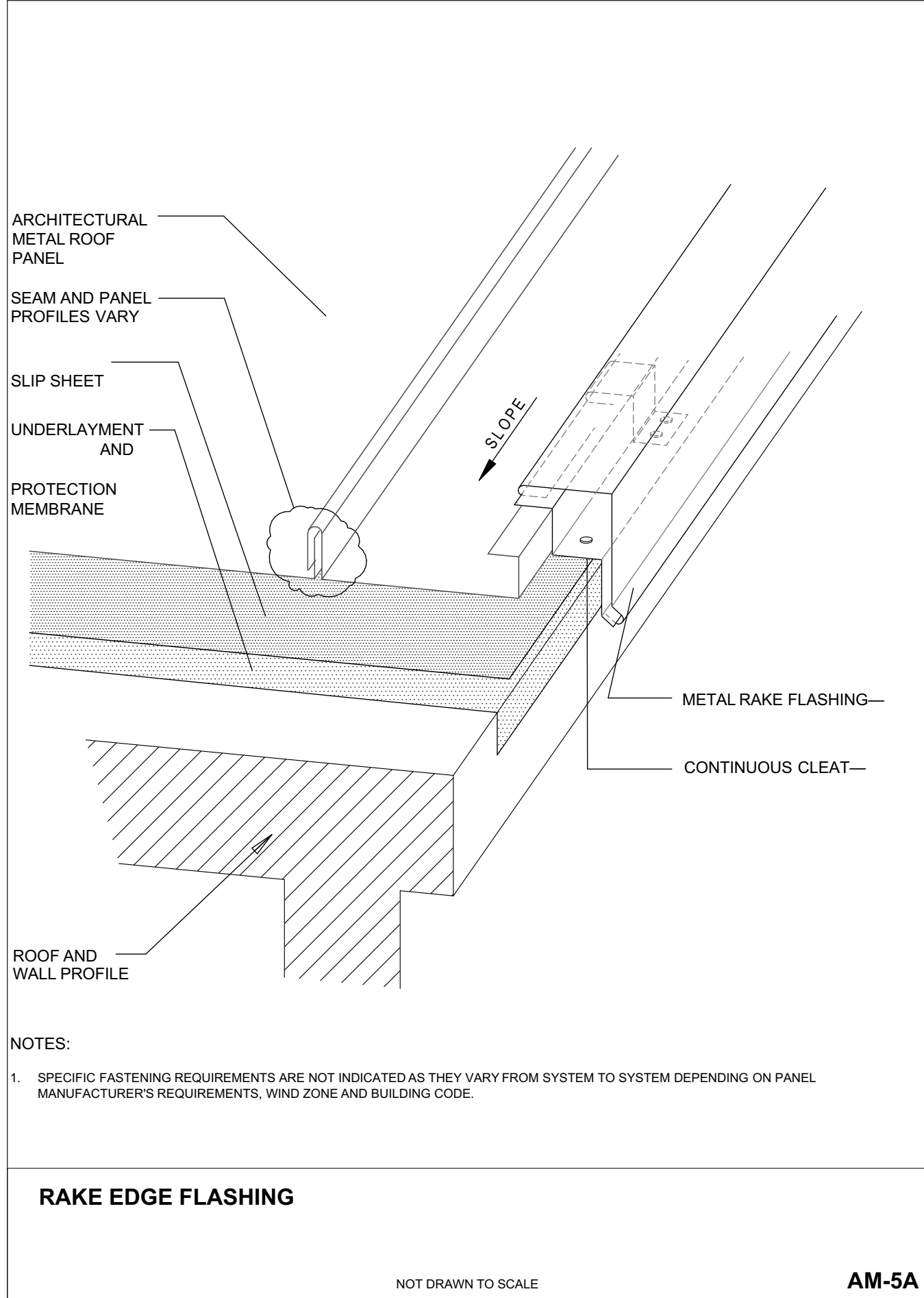
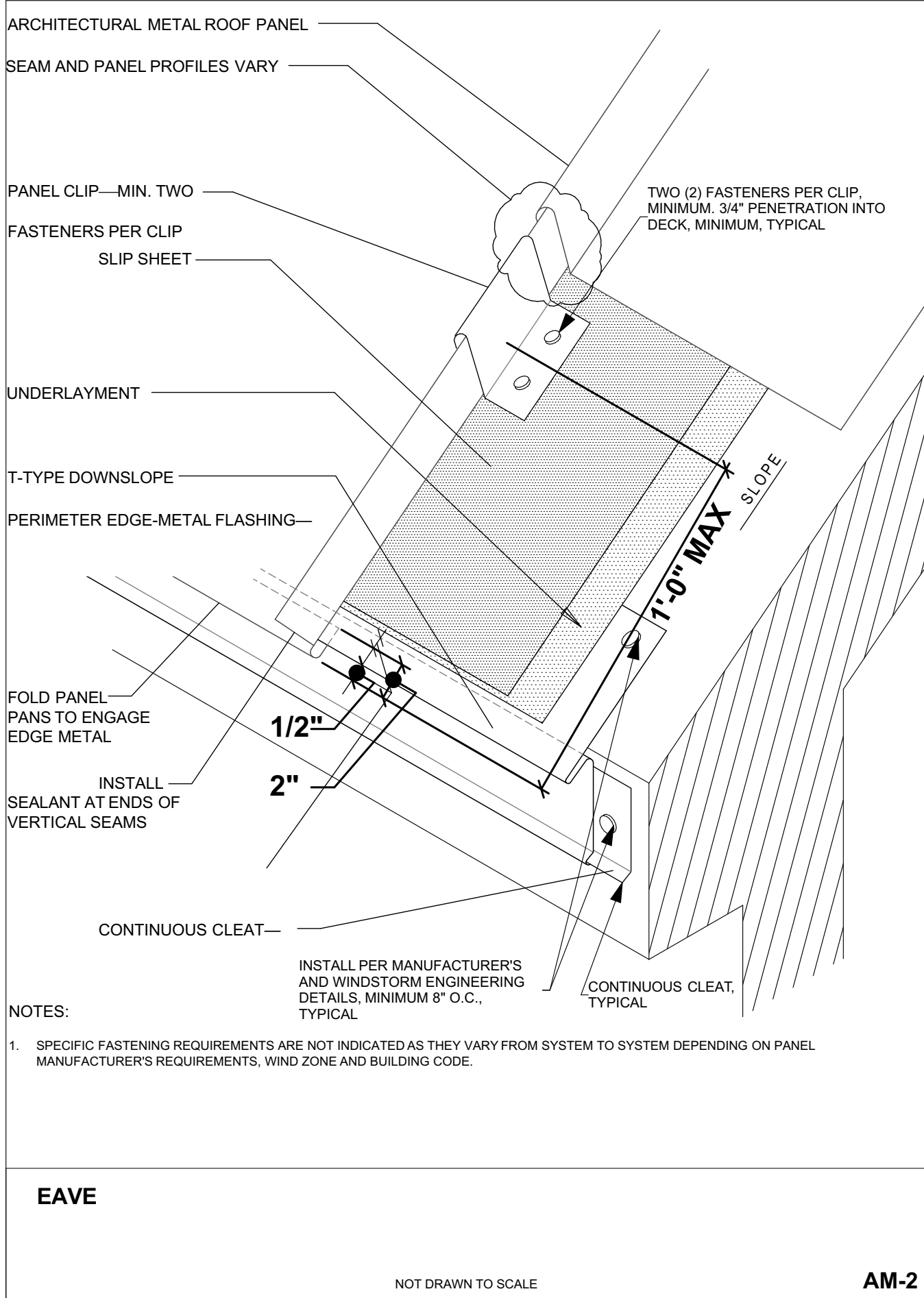
Issue

Project Data

Sheet Title

phone: 361.637.4400 erozypal@edraarchitects.com

A201



GENERAL NOTES:

1. Contractor shall field verify all dimensions and notify Architect if discrepancies are found.
2. Contractor shall be responsible for complying with all State and Local building codes and amendments that apply to this project. Notify Architect if discrepancies are found.
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4. Contractor shall verify locations and amounts of fire extinguishers with fire Marshal, typical. Provide F.E. within every 50', typical. F.E. shall be semi-Recessed and comply with all ADA/TDLR requirements.
5. Refer to G-SHEETS for information regarding Code Evaluations, typical.
6. Refer to Structural for all Structure, typical.
7. Refer to MEP for all MEP, typical.
8. Refer to Civil for all site details, paving notes, and site dimensions, Etc.
9. Refer to Landscape for all Landscape, irrigation, etc.
10. Refer to MISC 7 Note on A6

Insulation:

(CONTRACTOR SHALL COMPLY WITH 2018 IECC BUT NOT LESS THAN WHAT IS CALLED OUT IN THESE CONSTRUCTION DOCUMENTS)

1. Contractor shall provide STC 55 minimum sound batt insulation at all interior walls, typical.
2. Contractor shall provide R-19 Cavity Foam-in Place thermal insulation at exterior walls, typical.
3. Contractor shall provide R-30 Continuous RIGID Insulation and Cementitious Cover board at ALL Roof Locations.
4. Contractor shall provide R-19 Cavity Foam-in-Place thermal insulation at all walls between conditioned and non-conditioned spaces, typical.

Finishes:

1. Align joints and reveals in both walls and ceilings for tile and accent ceilings, typical.
2. All floor finishes shall comply with all state and local building codes and amendments and Texas Architectural Barriers (ADA) Section 302 for floor or ground surfaces.

Interior Signage:

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EDR architects

IFC: MAY 15, 2025

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Project Address: 303 Ninth Street
Port Aransas TX 78373 Nueces County

Project Name: COPA-Lifeguard Headquarters Facility

Date: MAY 15, 2025

Project No: 21004

Revision: 1 001 REV: 02-26-2026
0 IFC: MAY 15, 2025

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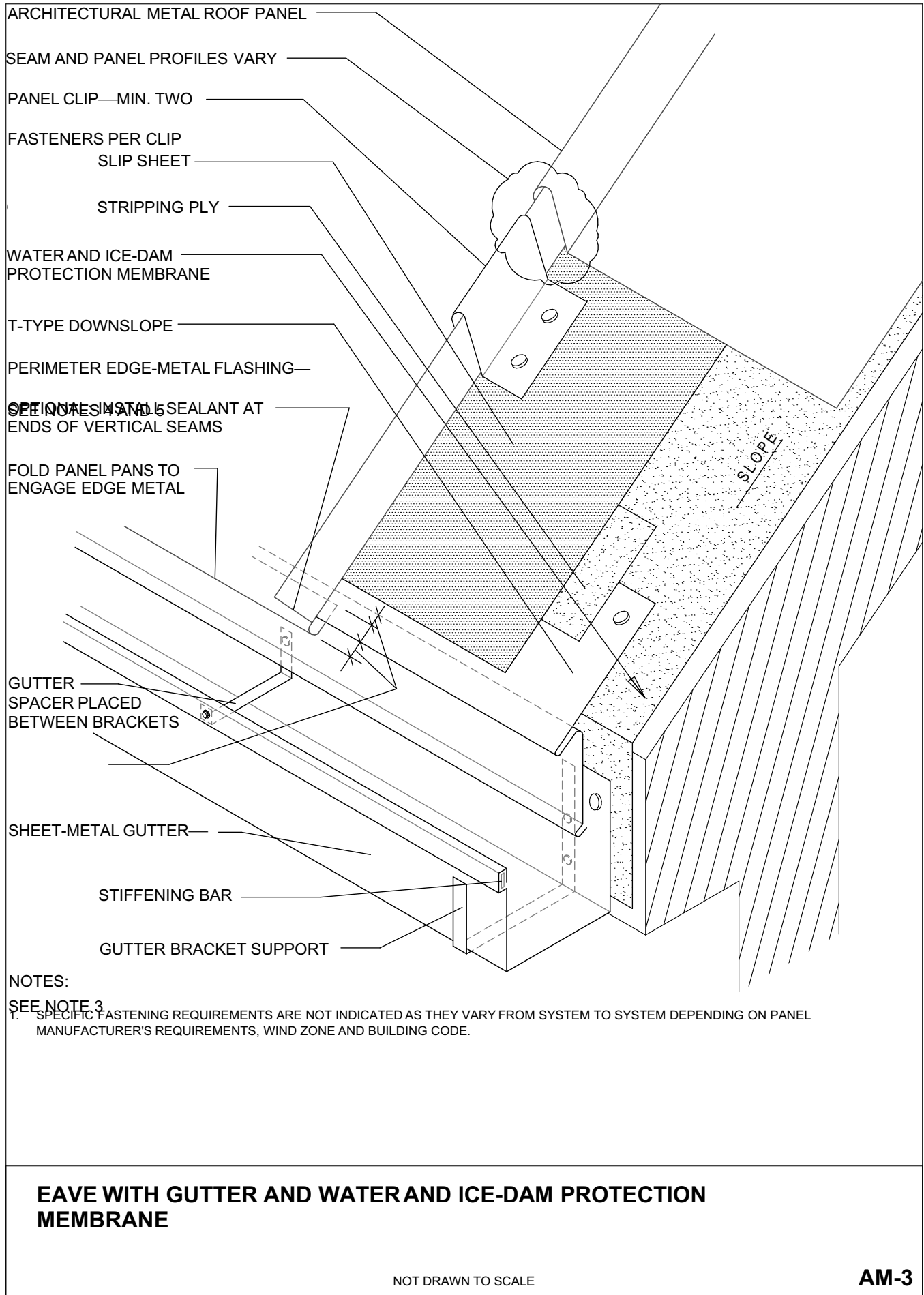
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A

B

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GENERAL NOTES:

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Project Address:
303 Ninth Street
Port Aransas TX
78373 Nueces
County

Date:
MAY 15, 2025

Project Name:
COPA-Lifeguard
Headquarters
Facility

Project No:
21004

ARCHITECTURAL-ROOF DETAILS
I-001 REV 02-26-2026

A301



IFC: MAY 15, 2025

1 001 REV: 02-26-2026
0 IFC: MAY 15, 2025

Sheet Title

Project Data

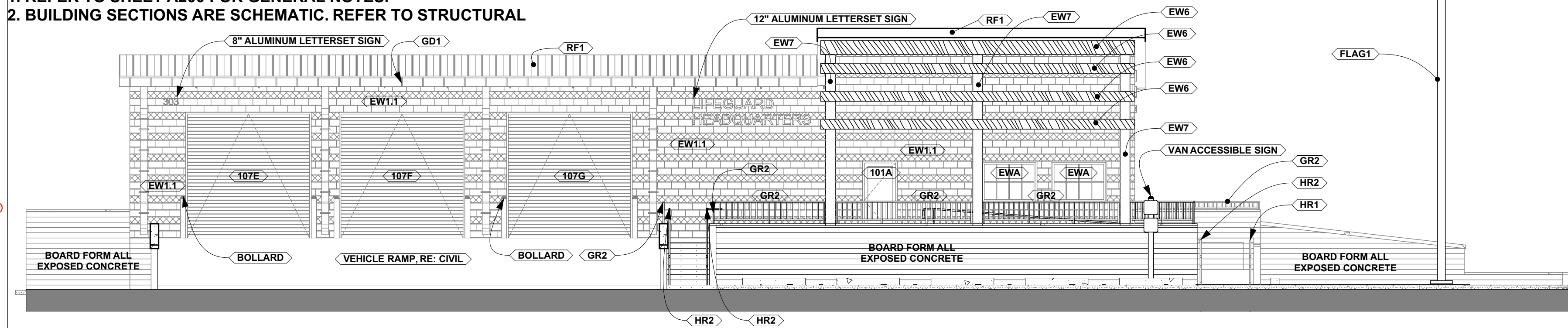
Revision

Issue

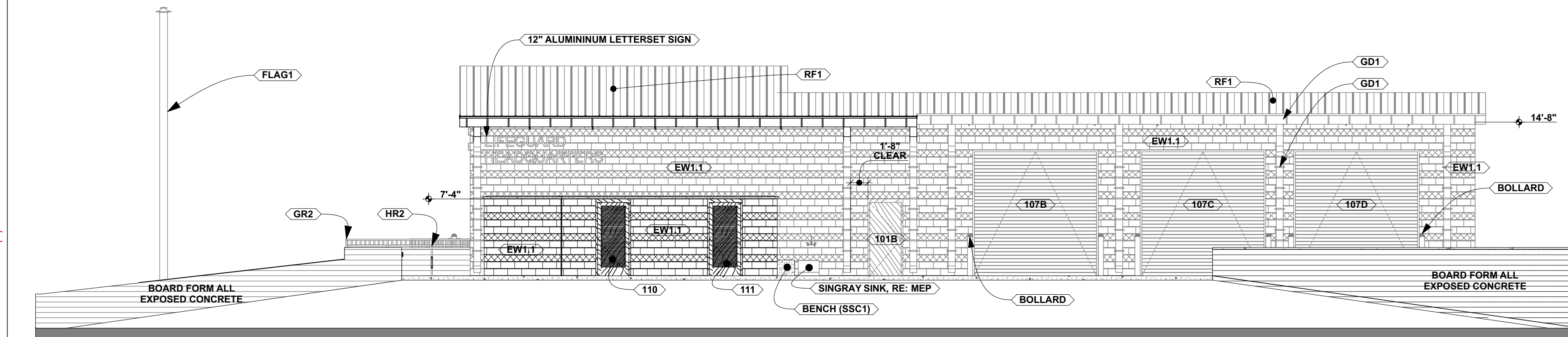
phone: 361.537.4400 edrarchitects.com

EDR architects

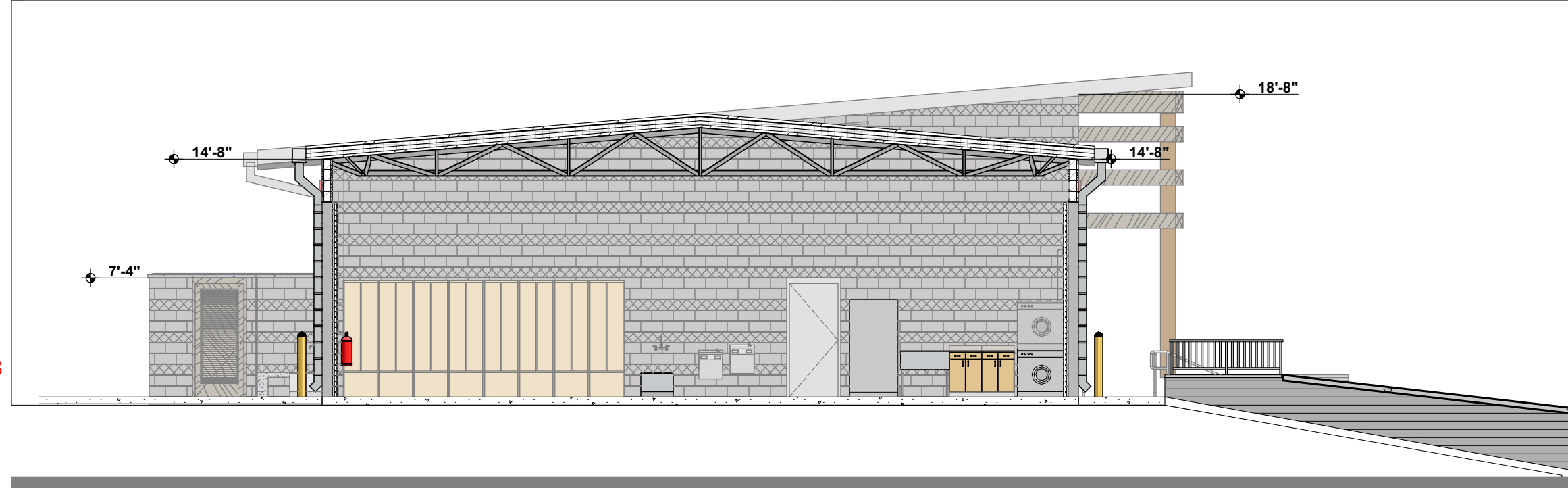
NOTES:
1. REFER TO SHEET A200 FOR GENERAL NOTES.
2. BUILDING SECTIONS ARE SCHEMATIC. REFER TO STRUCTURAL



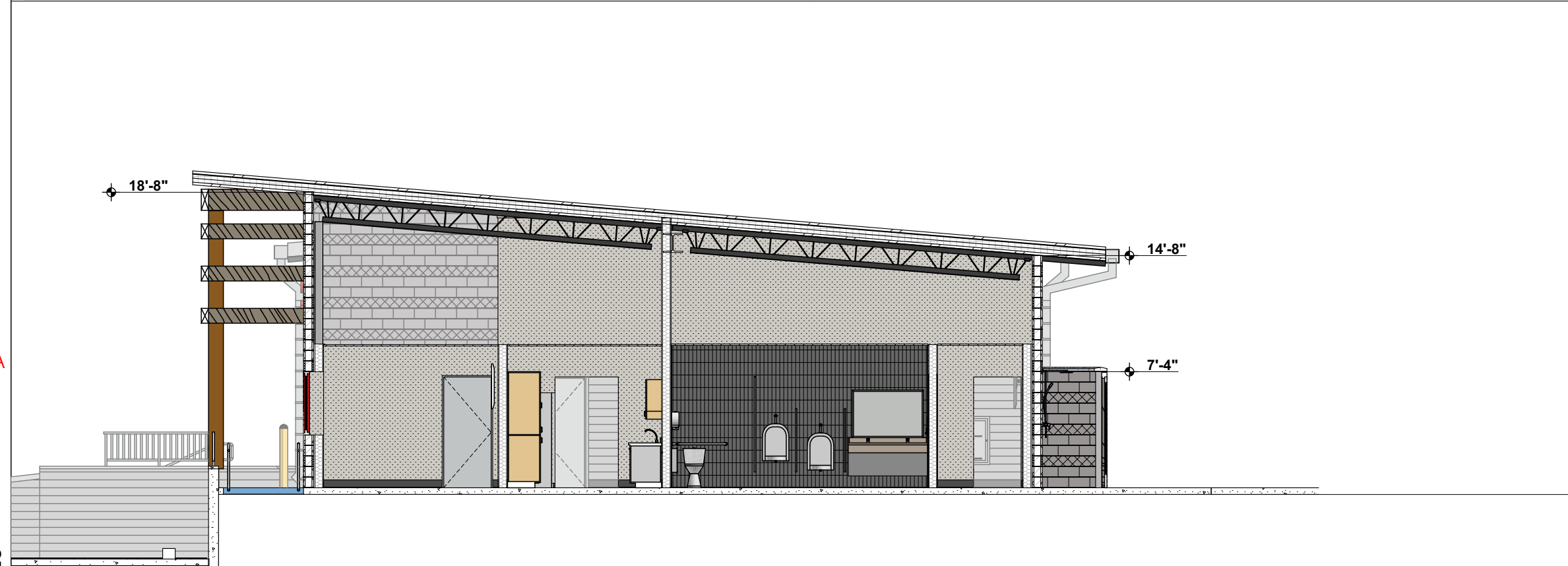
D1 SCHEMATIC ELEVATION II-NORTH
SCALE: 1/8" = 1'-0"



C1 SCHEMATIC ELEVATION I-SOUTH
SCALE: 1/8" = 1'-0"



B1 SCHEMATIC SECTION I
SCALE: 1/8" = 1'-0"



A1 SCHEMATIC SECTION II
SCALE: 1/8" = 1'-0"

1 2

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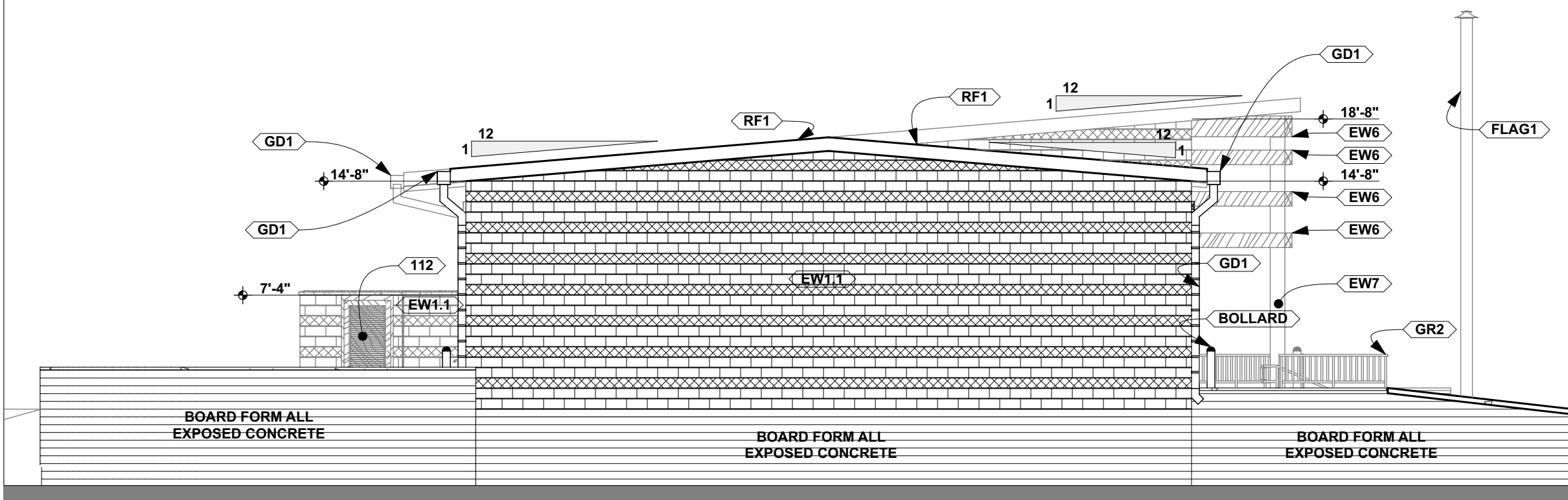
A

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D4 SCHEMATIC ELEVATION III-WEST
SCALE: 1/8" = 1'-0"



C4 SCHEMATIC ELEVATION IV-EAST
SCALE: 1/8" = 1'-0"

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A1
A401

SCHEMATIC SECTION VIII

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

1

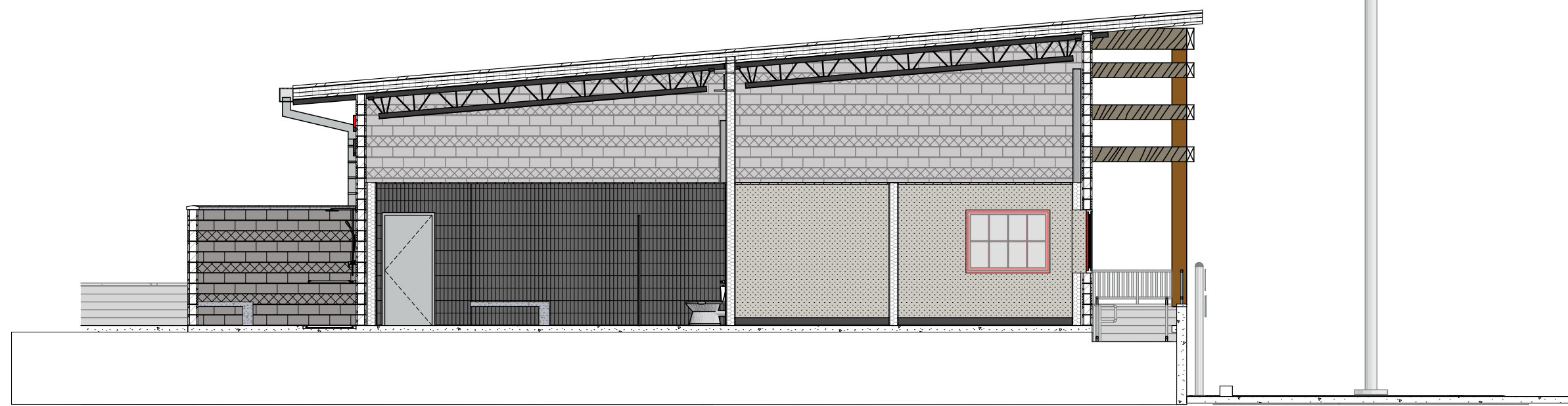
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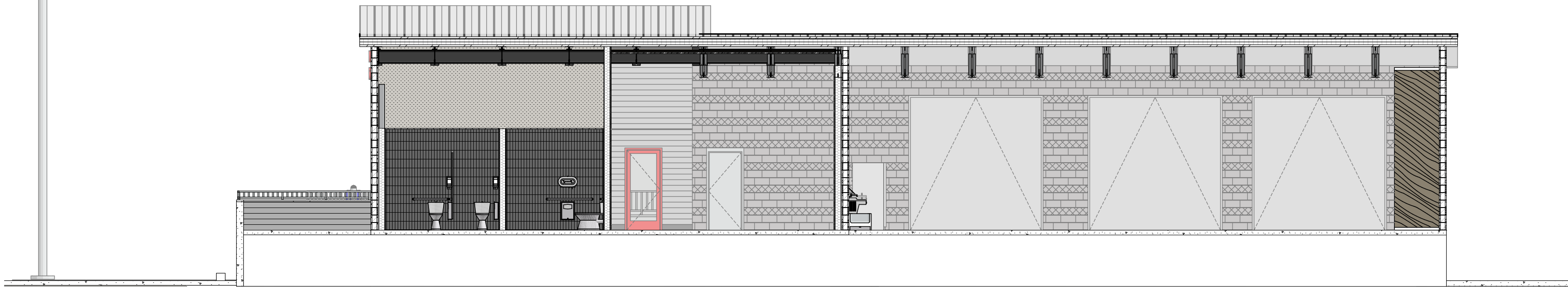


B1
A401

SCHEMATIC SECTION VII

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

B

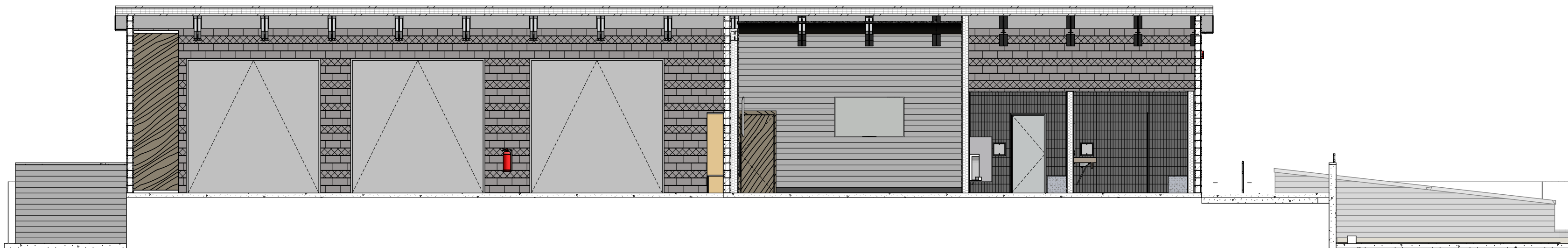


C1
A401

SCHEMATIC SECTION VI

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

C

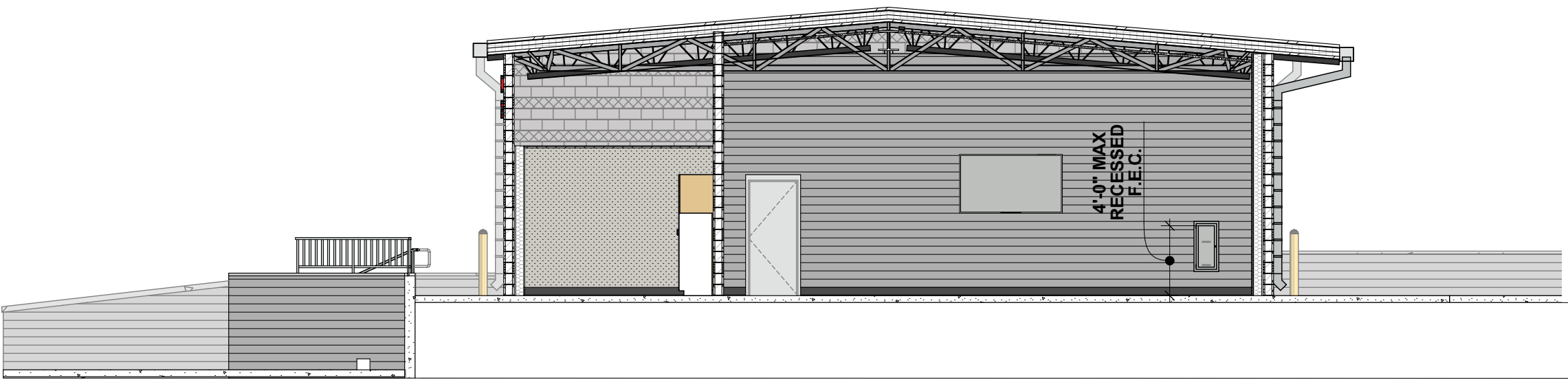


D1
A401

SCHEMATIC SECTION V

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

D



NOTES:

1. REFER TO SHEET A200 FOR GENERAL NOTES.
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Project Address:
303 Ninth Street
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78373 Nueces
County

Date:
MAY 15, 2025

Project Name:
COPA Lifeguard
Headquarters
Facility

Project No:
21004

ARCHITECTURAL-ELEVATIONS/
SECTIONS II-001 REV 02-25-2026

A401



IFC: MAY 15, 2025

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1 001 REV: 02-26-2026
0 IFC: MAY 15, 2025

Project Data

Sheet Title

Revision

Issue

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architects

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ROOM FINISH SCHEDULE												
Room Number	Room Name	Ceiling		Wall					Floor	Millwork		Notes
		Material	Height	PLAN NORTH	PLAN SOUTH	PLAN EAST	PLAN WEST	Base		Counter	Millwork Finish	
100	ENTRY	C1	9'-0"	W7 (WOOD T&G)	EW1.1	W7 (WOOD T&G)	W7 (WOOD T&G)	B3 (WOOD)	F2	-	-	-
101	READY ROOM	C5 AND PAINT EXPOSED STRUCTURE	14'-8"	W7 (WOOD T&G)	W7 (WOOD T&G)	EW1.1/ W7 (WOOD T&G)	W7 (WOOD T&G)	B3 (WOOD)	F2	-	-	-
102	WOMEN	C1	9'-0"	W5 (TILE); ACCENT COLOR	W5 (TILE)	W5 (TILE)	W5 (TILE)	B2 (TILE)	F3 (TILE); FT1	SSC1	PLAM	TA1, TA2, TA3, TA4, TA5, TA6, TA7, TA9, TA10, TP1
103	WH	C1	9'-0"	W4 (EPOXY)	W4 (EPOXY)	W4 (EPOXY)	W4 (EPOXY)	B1	F2	-	-	TA8
104	MEN	C1	9'-0"	W5 (TILE); ACCENT COLOR	W5 (TILE)	W5 (TILE)	W5 (TILE)	B2 (TILE)	F3 (TILE); FT1	SSC1	PLAM	TA1, TA2, TA3, TA4, TA6, TA7, TA9, TA10, TP1
105	CLOSET	C1	9'-0"	EW1.1	W1 (PAINT)	W1 (PAINT)	EW1.1	B1	F2	PLAM	PLAM	-
106	MECH	C1	9'-0"	W4 (EPOXY)	W4 (EPOXY)	W4 (EPOXY)	W4 (EPOXY)	B1	F2	-	-	-
107	GARAGE	C2; OPEN TO STRUCTURE, PAINT	14'-0"	EW1.1	EW1.1	EW1.1	EW1.1	-	F2	SSC1	PAINT	-
108	KITCHEN	C1	9'-0"	W4 (EPOXY)	W4 (EPOXY)	W4 (EPOXY)	W4 (EPOXY);KITCHEN GRADE STAINLESS STEEL AT RANGE	B1	F2	SSC1	PLAM	-
109	OFFICE	C1	9'-0"	W1 (PAINT)	W1 (PAINT)	W1 (PAINT)	W1 (PAINT)	B1	F2	-	-	-
110	SHOWER	OUTDOOR OPEN AIR	14'-0"	EW1.1	EW1.1	EW1.1	EW1.1	-	F2	SSC1	-	TA2, TA7
111	SHOWER	OUTDOOR OPEN AIR	14'-0"	EW1.1	EW1.1	EW1.1	EW1.1	-	F2	SSC1	-	TA2, TA7
112	SHOWER-ADA	OUTDOOR OPEN AIR	14'-0"	EW1.1	EW1.1	EW1.1	EW1.1	-	F2	SSC1	-	TA2, TA7

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GENERAL NOTES:

- Contractor shall field verify all dimensions and notify Architect if discrepancies are found.
- Contractor shall be responsible for complying with all State and Local building codes and amendments that apply to this project. Notify Architect if discrepancies are found.
- Architectural Dimensions are to face of stud, CMU, or outside face of foundation, U.N.O.
- Contractor shall verify locations and amounts of fire extinguishers with fire Marshal, typical. Provide F.E. within every 50', typical. F.E. shall be semi-Recessed and comply with all ADA/TDLR requirements.
- Refer to G-SHEETS for information regarding Code Evaluations, typical.
- Refer to Structural for all Structure, typical.
- Refer to MEP for all MEP, typical.
- Refer to Civil for all site details, paving notes, and site dimensions, Etc.
- Refer to Landscape for all Landscape, irrigation, etc.
- Refer to MISC 7 Note on A6

Insulation:

- (CONTRACTOR SHALL COMPLY WITH 2018 IECC BUT NOT LESS THAN WHAT IS CALLED OUT IN THESE CONSTRUCTION DOCUMENTS)**
- Contractor shall provide STC 55 minimum sound batt insulation at all interior walls, typical.
 - Contractor shall provide R-19 Cavity Foam-in Place thermal insulation at exterior walls, typical.
 - Contractor shall provide R-30 Continuous RIGID Insulation and Cementitious Cover board at ALL Roof Locations.
 - Contractor shall provide R-19 Cavity Foam-in-Place thermal insulation at all walls between conditioned and non-conditioned spaces, typical.

Finishes:

- Align joints and reveals in both walls and ceilings for tile and accent ceilings, typical.
- All floor finishes shall comply with all state and local building codes and amendments and Texas Architectural Barriers (ADA) Section 302 for floor or ground surfaces.

Interior Signage:

- Contractor shall supply and install tactile signs complying with ADA/TAS standards for all interior signage for ALL room identification, restrooms, exit passageways, occupant loads, exit discharge and exit stairways, Accessible Ramps, etc. AND as required by code, typical.
- All signage shall be approved by Architect.
- ALL signage shall be Aluminum.

Doors:

- Contractor shall verify all door and frame dimensions prior to fabrication and installation, door dimensions are nominal.
- Finish edges of wood doors shall match material and color of scheduled face finish, typical.
- All thresholds at doors shall be ADA/TAS compliant, typical.
- Door hardware shall comply with all state and local building codes and amendments and Texas Architectural Barriers (ADA) Section 309 Operable Parts.
- Door and Gate Opening Force. Fire doors shall have a minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open a door or gate other than fire doors shall be as follows:
 - Interior hinged doors and gates: 5 pounds (22.2 N) maximum.
 - Sliding or folding doors: 5 pounds (22.2 N) maximum.These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position.

Blocking:

- Contractor shall provide treated solid wood blocking in walls as required for wall mounted items (i.e. toilet accessories), typical.
- All blocking shall be fire treated, typical.



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MAY 15, 2025

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COPA-Lifeguard
Headquarters
Facility

Project No:
21004

ARCHITECTURAL-SCHEDULES
I-001 REV 02-25-2026

A600

Sheet Title

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phone: 361.537.4400 erodzpal@edrarchitects.com

EDR architects

ARCHITECTURAL FINISH SCHEDULE			Date:	2/25/2026	
CODE	MATERIAL	MANUFACTURER AND PRODUCT INFORMATION (REFER TO MISC 7)	COLOR	DIMENSIONS	APPLICATION NOTES
D	RF1	MBCI Super Lok standing seam roof. Premium Flurothane Coastal Coil Coating System on all roof and trim and cuts. Fasteners shall be 316 Stainless Steel. Roof Slope: Refer to Roof Plans. Coordinate with Structural CMU coursing. R Value: R-30 CONTINUOUS RIGID INSULATION WITH CEMENTICIOUS COVER BOARD. Re: Roof Manufacturer Install per manufacturer's recommendations to comply with local and state codes. Include all trim and accessories. Install manufacturer's recommended Leak Barrier and Roof Deck Protection/Weather Barrier as required to comply with windstrom, all codes and ordinances and manufacturer's full system warranty. Submit all flashing details for review.	COLOR: TBD; All metal roofing and trim shall include Premium Flurothane Coastal Coil Coating.	Refer to Roof Plan for Slopes. Coordinate with Structural CMU for coursing.	Install per manufacturer's recommendations for full system warranty. Include all trim and accessories including, but not limited to: Pre-finished Ridge Trim, Pre-finished Valley Trim, Pre-finished Hip Trim, Pre-finished Edge Trim, Pre-finished flashings, Pre-finished Closure trim, etc.
	GD1	GUTTER AND DOWNSPOUTS	COLOR: TBD	Appropriately sized for proper drainage per roof size for 100 year.	Install per manufacturer's recommendations for manufacturer's complete system lifetime warranty. Include all trim and accessories.
	FLAG1	FLAGPOLE	COLOR: TBD		Install per manufacturer's recommendations for manufacturer's complete system lifetime warranty. Include all trim and accessories.
C	EW1.1	GROUND/ BURNISHED POLISHED SMOOTH FACE CMU, ALL SIDES, WITH CLEAR WATERPROOFING PAINT	BLOCK COLOR: HEADWATERS #8P "CHARCOAL" & #10P "SALT & PEPPER" GROUND/BURNISHED FACE WITH CLEAR WATERPROOFER	REFER TO EXTERIOR ELEVATIONS FOR BANDED COLOR PATTERN.	Install per manufacturer's recommendations for full system warranties for Block and Paint.
	EW6	WOLMANIZED BEAMS (STAINED)	COLOR: STAIN TBD		Install per manufacturer's recommendations for full system warranty. Include all trim and accessories.
	EW7	PAINT-EXPOSED GALVANIZED STEEL (4 COAT SYSTEM) EPOXY/URETHANE SYSTEM	COLOR: TBD		Install per manufacturer's recommendations for full system warranty. Include all trim and accessories.
B	GR1	GUARDRAILS	COLOR: CLEAR ANODIZED		Install per manufacturer's recommendations for full system warranty. Include all trim and accessories.
	HR1	HANDRAILS	COLOR: CLEAR ANODIZED	Handrail Mounting Height: 36" to TOP of gripping surface	Install per manufacturer's recommendations for full system warranty. Include all trim and accessories.
	C1	ACOUSTIC LAY-IN TILES (24"X24")	COLOR: WHITE		Install per manufacturer's recommendations for full system warranty. Include all anchorage, support framing, trim and accessories.
A	C2	OPEN TO STRUCTURE	COLOR: TBD		Install per manufacturer's recommendations for full system warranty.
	C3	FIBER CEMENT SOFFIT (NON-VENTED)	COLOR: TBD		Install per manufacturer's recommendations for full system warranty. Include all anchorage, support framing, trim and accessories.
	C4	EXTERIOR WOLMANIZED T&G WOOD-STAINED	COLOR: TBD		Install per manufacturer's recommendations for full system warranty. Include all anchorage, support framing, trim and accessories.
A	C5	INTERIOR T&G WOOD-STAINED	COLOR: TBD		Install per manufacturer's recommendations for full system warranty. Include all anchorage, support framing, trim and accessories.
	F1	EXTERIOR CONCRETE RAMPS	STAIN COLOR: TBD FROM MANUFACTURER'S FULL LINE OF COLORS		Install per manufacturer's recommendations for full system warranty.
	F2	POLISHED, STAINED AND SEALED CONCRETE	STAIN COLOR: TBD FROM MANUFACTURER'S FULL LINE OF COLORS		Install per manufacturer's recommendations for full system warranty. Include all trim and accessories.
B	F3	FLOOR TILE	COLOR: "STERLING" OU57		Install per manufacturer's recommendations for full manufacturer's FULL system warranty.
	FT1	ADA COMPLIANT TRANSITION STRIP	COLOR: TBD		Install per manufacturer's recommendations for full manufacturer's FULL system warranty.
	B1	RESILIANIT BASE	COLOR: TBD		Install per manufacturer's recommendations for full system warranty.
A	B2	TILE BASE	COLOR: "STERLING" OU57	SIZE: CUT FLOOR TILE TO BE 6"X24"	Install per manufacturer's recommendations for full system warranty.
	B3	WOOD BASE	COLOR: TBD	SIZE: TBD	Install per manufacturer's recommendations for full system warranty.
A	EG1	EXTERIOR: SEALED INSULATING GLASS WITH ALUMINUM FRAME	FRAME COLOR: ANODIZED ALUMINUM CUSTOM COLOR: RED		Contractor shall be responsible for complying with all glass and glazing requirements for Human Impact Loads in hazardous locations as per State and Local building codes and amendments, typical. Refer to IBC section 2403 and 2406, Typical.
	D1	FRP/ALUMINUM HYBRID: MAN DOOR	CUSTOM COLOR: RED		Install per manufacturer's recommendations for full system warranty. Include all trim and accessories.
	D2	FIBERGLASS: MAN DOOR	CUSTOM COLOR: TBD		Install per manufacturer's recommendations for full system warranty. Include all trim and accessories.
A	D3	FIBERGLASS LOUVERED: MAN DOOR	CUSTOM COLOR: TBD		Install per manufacturer's recommendations for full system warranty. Include all trim and accessories.
	D4	INTERIOR SOLID CORE MAN DOOR	COLOR: TBD	Refer to Door Legend for Door Style	Install per manufacturer's recommendations for full system warranty. Include all trim and accessories.
	CG-1	CORNER GUARDS	COLOR: MATCH ADJACENT WALL	INSTALL ABOVE BASE AND WAINSCOT AT ALL GYPSUM CORNERS. PAINT TO MATCH WALL COLOR BEHIND CORNER GUARD	Install per manufacturer's recommendations for full system warranty.

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ARCHITECTURAL-SCHEDULES
1I-001 REV 02-25-2026

CODE	MATERIAL	MANUFACTURER AND PRODUCT INFORMATION (REFER TO MISC 7)	COLOR	DIMENSIONS	APPLICATION NOTES
W1	WALL PAINT	Sherwin Williams; Latex Primer Sealer (One Coat): PROMAR 200 (Where the manufacturer offers options on primers for a particular substrate, use primer categorized as "best" by the manufacturer.) Finish Coats: 2 Coats of Latex Enamel. Finish: Eggshell	COLOR: TBD		Level 5 Finish Application and according to ASTM C 840.
W2	WALL PAINT	Sherwin Williams; Latex Primer Sealer (One Coat): PROMAR 200 (Where the manufacturer offers options on primers for a particular substrate, use primer categorized as "best" by the manufacturer.) Finish Coats: 2 Coats of Latex Enamel. Finish: Eggshell	COLOR: TBD		Level 5 Finish Application and according to ASTM C 840.
W3	PAINT (SEMI-GLOSS)	Sherwin Williams; Latex Primer Sealer (One Coat): PROMAR 200 (Where the manufacturer offers options on primers for a particular substrate, use primer categorized as "best" by the manufacturer.) Finish Coats: 2 Coats of Latex Enamel. Finish: Semi-gloss	COLOR: TBD	Wood Doors, Trim, etc.	Level 5 Finish Application and according to ASTM C 840.
W4	PAINT (EPOXY)	Where the manufacturer offers options on primers for a particular substrate, use primer categorized as "best" by the manufacturer. Finish Coats: 2 Coats of Epoxy.	COLOR: TBD		Level 5 Finish Application and according to ASTM C 840.
W5	WALL TILE (RESTROOMS)	DALTILE; SERIES: REMEDY; SCHLUTER TRIM COVE, SCHLUTER TRIM OUTSIDE AND INSIDE CORNERS	COLOR: "ZEN" RD23		Install per manufacturer's recommendations for full system warranty.
W6	CLEAR WATERPROOFER PAINT	UGL DRYLOCK FLOOR & MASONRY WATERPROOFER. COLOR IS CLEAR. INSTALL ONLY AS PER UGL'S REQUIREMENTS/SPECIFICATION. 2 COATS MINIMUM (NOTE: ACTUAL COVERAGE WILL VARY DEPENDING UPON APPLICATION METHOD, SURFACE TEXTURE AND POROSITY) PAINT UGL ON ALL SIDES OF CMU WALLS. INTERIOR AND EXTERIOR. ALL INTERIOR AT CAVITY WALLS, TOO.	COLOR: CLEAR		INSTALL ONLY AS PER UGL'S REQUIREMENTS/ SPECIFICATION. 2 COATS MINIMUM (NOTE: ACTUAL COVERAGE WILL VARY DEPENDING UPON APPLICATION METHOD , SURFACE TEXTURE AND POROSITY.)
W7	T&G WOOD WALL	1X6 PLAIN WHITE OAK; SELECT GRADE; STAINED AND SEALED; FIRE TREATED	COLOR: STAIN TBD		
PL1	Plastic Laminate	Wilsonart Premium Colors	Color: TBD from manufacturer's Full Range of manufacturer's colors	Counter Tops, Return & Splash	Include all trim and accessories for all exposed edges and inside corners, typical. Install per manufacturer's recommendations.
PL2	Plastic Laminate	Wilsonart Premium Colors	Color: "FUSION MAPLE" 7909-60	Vertical Faces	Include all trim and accessories for all exposed edges and inside corners, typical. Install per manufacturer's recommendations.
PL3	Plastic Laminate	Wilsonart Premium Colors	Color: "FUSION MAPLE" 7909-60	DOORS AND ALL DOOR EDGES	Include all trim and accessories for all exposed edges and inside corners, typical. Install per manufacturer's recommendations.
SSC1	SOLID SURFACE COUNTER	CORIAN QUARTZ COUNTERTOP AND SPLASH (SPLASH AT ALL ADJACENT ABUTTING WALLS REAR AND SIDE). WATERFALL EDGES AT ALL EXPOSED ENDS. THIS INCLUDES BENCHES.	COLOR: "SLATE GEO"		Install per manufacturer's recommendations.
TA1	Mirror	ASI; 0600-41; Tamperproof Mounting & Locking; Tempered Glass; (Mount Reflective Surface at 40" a.f.f. Maximum)		Re: Interior Elevations	Install per manufacturer's recommendations. Locations: All Lavatory locations in All Restrooms.
TA2	Grab Bars	ASI; 3800-41; 1-1/2 inches outside diameter, concealed flange mounting, 1-1/2 inches clearance between wall and inside of grab bar. BATHROOMS AND OUTDOOR SHOWERS.		Length: 36" and 48" and 60" AND additional as required to comply with TAS/ADA.	Install per manufacturer's recommendations. Locations: All Accessible Water Closet Locations in All Restrooms.
TA3	Paper Towel Dispenser	ASI; 0210-41 (or approved equal), Surface Mounted Paper Towel Dispenser (Mount Paper Towel Dispenser 48" max a.f.f.)			Install per manufacturer's recommendations. Locations: All Lavatory locations in All Restrooms.
TA4	Toilet Tissue Dispenser	ASI 0042-41 (or approved equal), Surface mounted jumbo-roll dispenser (Mount between 15" and 48"); Clear Grab Bar as required by TAS.			Install per manufacturer's recommendations. Locations: All Water Closet locations in All Restrooms.
TA5	Sanitary Napkin Disposal	ASI; 0852-41 (or approved equal), Surface mounted			Install per manufacturer's recommendations. Locations: All Water closet locations in all Women's restrooms and single user restrooms.
TA6	Soap Dispenser	ASI; 0347-41 (or approved equal); Surface mounted liquid Soap Dispenser (Mount at 48" maximum a.f.f. TO TOP)			Install per manufacturer's recommendations. Locations: All Lavatory locations in All Restrooms.
TA7	Towel Pin/Hook	ASI; 7340-41 (or approved equal); COORDINATE LOCATION WITH ARCHITECT			Install per manufacturer's recommendations. Locations: All SHOWER stall locations.
TA8	Mop Rack	ASI; 1307 (or approved equal), Utility 3 Hooks			Install per manufacturer's recommendations. Location: All Janitor Rooms.
TA9	Plumbing Access Door	Coordinate size and location with Plumber. 316 Stainless Steel Fasteners and hardware. Power Coated to match adjacent wall.	Color: match adjacent wall TILE		Install per manufacturer's recommendations. Locations: One per Accessible Stall. Verify with Plumber.
TA10	WASTE RECEPTACLE (19 GAL)	ASI; 0839-41 (or approved equal)			Install per manufacturer's recommendations. Locations: All Water Closet stall locations in All Restrooms.
TP1	Toilet Partition Doors/System	ASI Accurate (or approved equal); Solid Plastic (HDPE); All hardware and accessories shall be 316 stainless steel. Continuous Piano Hinges (spring loaded); No-Sight Privacy Strips, Surface Mounted Slides with occupied notification. Submit Hardware to Architect for approval. ALL HARDWARE SHALL BE ADA/TAS COMPLIANT.	COLOR: TBD FROM FULL LINE OF COLORS.		Install per manufacturer's recommendations for full system warranty. Include all trim and accessories.
MISC1	Soil Treatment for Termite Control	Toxicant Chemical: EPA approved; synthetically color dyed to permit visual identification of treated soil. Apply toxicant at following locations: Under slabs, apply toxicant immediately prior to installation of vapor barrier. B. At foundation walls, apply toxicant immediately prior to finish grading work outside foundations. C. Apply extra treatment to structure penetration surfaces such as pipe or ducts, and soil penetrations such as grounding rods or posts. D. Re-treat disturbed treated soil with same toxicant as original treatment. E. If inspection or testing identifies the presence of termites, re-treat soil and re-test.	A.		Install per manufacturer's recommendations.
MISC2	Fire Extinguishers Note: Verify all locations and amounts required with Fire Marshall	FIRE EXTINGUISHERS A. Fire Extinguishers - General: Comply with product requirements of NFPA 10 and applicable codes, whichever is more stringent. 1. Provide extinguishers labeled by Underwriters Laboratories Inc. for the purpose specified and indicated. B. Dry Chemical Type Fire Extinguishers: Stainless steel tank, with pressure gage. 1. Class: MP Multi-purpose. 2. Size: 5 pound (2.27 kg). 3. Finish: Baked enamel, Red color. FIRE EXTINGUISHER CABINETS A. Material: Clear Anodized Aluminum B. Cabinet Configuration: Semi-Recessed Mount 1. Sized to accommodate accessories.	MOUNT: 4'-0" MAX TO TOP OF CABINET		Install per manufacturer's recommendations. Locations: As required by Fire Marshall. Coordinate amount and location with Fire Marshall.
MISC3	SOUND BATT Insulation	Owens Corning; QuietZone Acoustic Batt Insulation (STR 55 MINIMUM)			Install per manufacturer's recommendations for manufacturer's full system extended warranty.
MISC5	Rigid ROOF Board Insulation with COVER BOARD	R-30; Polyisocyanurate Board Insulation. Rigid cellular foam, complying with ASTM C1289, Type II, Class 1, cellulose felt or glass fiber mat both faces; Grade 2 and approved by roofing system manufacturer and compatible with system warranty. PROVIDE CEMENTICIOUS COVER BOARD.			Install per manufacturer's recommendations for manufacturer's full system extended warranty.
MISC6	FOAMED-IN-PLACE POLYURETHANE INSULATION; WITH INTUMESCENT COATING	Foamed-in-place polyurethane insulation, nominal density <=0.5 lbs./cubic foot. Acceptable products: Icyneene LD-C-50; Demilec Sealection 500; Premium Spray Products Foamsulate 50, or approved equal. Use only water or non-ozone depleting gas as blowing agent. Intumescent coating of type recommended by insulation manufacturer and as required to comply with applicable codes. Apply to manufacturer's recommended rates of coverage at all areas not otherwise protected by a 15-minute thermal barrier, typical. (or approved equal as approved by Architect/Engineer). Provide all appropriate accessories for application location of system (Crawl space, Attic, Walls, etc.)			Install per manufacturer's recommendations for manufacturer's full system extended warranty.
MISC7	FRAMING & SUPPLEMENTAL FRAMING	CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING AND INSTALLING ALL FRAMING AND SUPPLEMENTAL FRAMING TO ENSURE ALL SYSTEMS ARE PROPERLY INSTALLED, PER CODES AND PER MANUFACTURER'S REQUIREMENTS FOR MANUFACTURER'S FULL SYSTEM WARRANTITES. THI APPLIES TO ANY AND ALL SYSTEMS, OF THE WORK, TO COMPLETE THE PROJECT. CONTRACTOR SHALL SUBMIT LIGHT-GAGE METAL STUD SHOP DRAWINGS WITH THE TDI WINDSTORM COMPLIANT SHOP DRAWINGS TO ENSURE THAT ANY/ALL FRAMING WILL RESIST ALL APPLIED WIND PRESSURES. THIS INCLUDES ALL STUD SIZES, BLOCKING/BRIDGING, FASTENERS, CONNECTIONS TO SUPPORT STRUCTURE, APPLICABLE DETAILS, AND VERIFICATION THAT THE NECESSARY STUD GAGE REQUIRED FOR ANCHORAGE OF THE SYSTEMS AND MATERIALS ARE FURNISHED.			Install per manufacturer's recommendations for manufacturer's full system extended warranty.

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- Align joints and reveals in both walls and ceilings for tile and accent ceilings, typical.
- All floor finishes shall comply with all state and local building codes and amendments and Texas Architectural Barriers (ADA) Section 302 for floor or ground surfaces.

Interior Signage:

- Contractor shall supply and install tactile signs complying with ADA/TAS standards for all interior signage for ALL room identification, restrooms, exit passageways, occupant loads, exit discharge and exit stairways, Accessible Ramps, etc. AND as required by code, typical.
- All signage shall be approved by Architect.
- ALL signage shall be Aluminum.

Doors:

- Contractor shall verify all door and frame dimensions prior to fabrication and installation, door dimensions are nominal.
- Finish edges of wood doors shall match material and color of scheduled face finish, typical.
- All thresholds at doors shall be ADA/TAS compliant, typical.
- Door hardware shall comply with all state and local building codes and amendments and Texas Architectural Barriers (ADA) Section 309 Operable Parts.
- Door and Gate Opening Force. Fire doors shall have a minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open a door or gate other than fire doors shall be as follows:
 - Interior hinged doors and gates: 5 pounds (22.2 N) maximum.
 - Sliding or folding doors: 5 pounds (22.2 N) maximum.These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position.

Blocking:

- Contractor shall provide treated solid wood blocking in walls as required for wall mounted items (i.e. toilet accessories), typical.
- All blocking shall be fire treated, typical.



IFC: MAY 15, 2025

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The General Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.

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Project Address:
303 Ninth Street
Port Aransas TX
78373 Nueces
County

Project Name:
COPA-Lifeguard
Headquarters
Facility

Date:
MAY 15, 2025

Project No:
21004

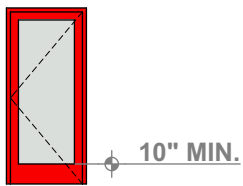
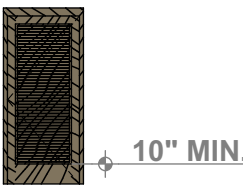
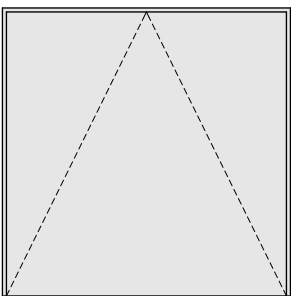
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III-001 REV 02-25-2026

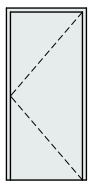
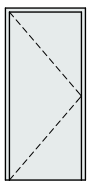
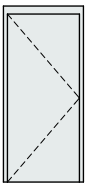
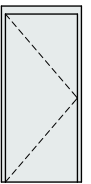
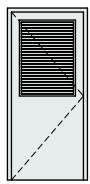
A602

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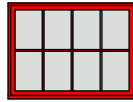
DOOR AND FRAME SCHEDULE												
MARK	TYPE	WIDTH	HEIGHT	DOOR MATERIAL	DOOR FINISH	WINDSTORM	FRAME MATERIAL	FRAME FINISH	HARDWARE SET	CLOSER	FIRE RATED	NOTES
101A	ED-A	3'-0"	7'-2"	FRP-ALUMINUM HYBRID; GLASS	SPECIAL-LITE SL-19; WOOD GRAIN; FRP/ALUMINUM HYBRID DOOR; ANODIZED ALUMINUM FRAME; INSTALL ADA COMPLIANT THRESHOLD AT ALL DOORS. 1/2" MAX WITH 1:2 SLOPE.	LARGE MISSILE RESISTANT-ASTM E1886, ASTM E1996 & TDI REQUIREMENTS (SUBMIT TDI DOCUMENTATION)	ANODIZED ALUMINUM	CUSTOM COLOR TO MATCH DOOR	HW SET 01	YES		ENTRY
101B	ED-B	3'-0"	7'-0"	FIBERGLASS	SPECIAL-LITE AF 100 PRE-FINISHED FIBERGLASS (CUSTOM COLOR: TBD); AF-150 FIBERGLASS FRAME; INSTALL ADA COMPLIANT THRESHOLD AT ALL DOORS. 1/2" MAX WITH 1:2 SLOPE.	LARGE MISSILE RESISTANT-ASTM E1886, ASTM E1996 & TDI REQUIREMENTS (SUBMIT TDI DOCUMENTATION)	FIBERGLASS	PRE-FINISHED FIBERGLASS	HW SET 02	YES		READY ROOM
102	ID-B	3'-0"	7'-0"	SOLID CORE	SOLID CORE; PL3 (PLASTIC LAMINATE)	INTERIOR	HOLLOW METAL	PAINT	HW SET 04	YES		WOMEN
103	ID-A	3'-0"	7'-0"	SOLID CORE	SOLID CORE; PL3 (PLASTIC LAMINATE)	INTERIOR	HOLLOW METAL	PAINT	HW SET 05	-		WH
104	ID-B	3'-0"	7'-0"	SOLID CORE	SOLID CORE; PL3 (PLASTIC LAMINATE)	INTERIOR	HOLLOW METAL	PAINT	HW SET 04	YES		MEN
105	ID-D	3'-0"	7'-0"	SOLID CORE	SOLID CORE; PL3 (PLASTIC LAMINATE)	INTERIOR	HOLLOW METAL	PAINT	HW SET 03	-		RADIO CLOSET
106	ID-E	3'-0"	7'-0"	SOLID CORE	SOLID CORE; LOUVER; PL3 (PLASTIC LAMINATE)	INTERIOR	HOLLOW METAL	PAINT	HW SET 05	-		MECH CLOSET; ALUMINUM LOUVER IN DOOR
107A	ID-C	3'-0"	7'-0"	HOLLOW METAL	HOLLOW METAL, PAINT	INTERIOR	HOLLOW METAL	PAINT	HW SET 02	YES		GARAGE
107B	ED-D	12'-0"	12'-0"	STEEL	KYNAR FINISHED; HIGH LIFT OH DOOR	LARGE MISSILE RESISTANT-ASTM E1886, ASTM E1996 & TDI REQUIREMENTS (SUBMIT TDI DOCUMENTATION)	STEEL	KYNAR	BY OH DOOR MANUFACTURER: LOCKING; HIGH LIFT	-		HIGH LIFT OH DOOR
107C	ED-D	12'-0"	12'-0"	STEEL	KYNAR FINISHED; HIGH LIFT OH DOOR	LARGE MISSILE RESISTANT-ASTM E1886, ASTM E1996 & TDI REQUIREMENTS (SUBMIT TDI DOCUMENTATION)	STEEL	KYNAR	BY OH DOOR MANUFACTURER: LOCKING; HIGH LIFT	-		HIGH LIFT OH DOOR
107D	ED-D	12'-0"	12'-0"	STEEL	KYNAR FINISHED; HIGH LIFT OH DOOR	LARGE MISSILE RESISTANT-ASTM E1886, ASTM E1996 & TDI REQUIREMENTS (SUBMIT TDI DOCUMENTATION)	STEEL	KYNAR	BY OH DOOR MANUFACTURER: LOCKING; HIGH LIFT	-		HIGH LIFT OH DOOR
107E	ED-D	12'-0"	12'-0"	STEEL	KYNAR FINISHED; HIGH LIFT OH DOOR	LARGE MISSILE RESISTANT-ASTM E1886, ASTM E1996 & TDI REQUIREMENTS (SUBMIT TDI DOCUMENTATION)	STEEL	KYNAR	BY OH DOOR MANUFACTURER: LOCKING; HIGH LIFT	-		HIGH LIFT OH DOOR
107F	ED-D	12'-0"	12'-0"	STEEL	KYNAR FINISHED; HIGH LIFT OH DOOR	LARGE MISSILE RESISTANT-ASTM E1886, ASTM E1996 & TDI REQUIREMENTS (SUBMIT TDI DOCUMENTATION)	STEEL	KYNAR	BY OH DOOR MANUFACTURER: LOCKING; HIGH LIFT	-		HIGH LIFT OH DOOR
107G	ED-D	12'-0"	12'-0"	STEEL	KYNAR FINISHED; HIGH LIFT OH DOOR	LARGE MISSILE RESISTANT-ASTM E1886, ASTM E1996 & TDI REQUIREMENTS (SUBMIT TDI DOCUMENTATION)	STEEL	KYNAR	BY OH DOOR MANUFACTURER: LOCKING; HIGH LIFT	-		HIGH LIFT OH DOOR
109	ID-A	3'-0"	7'-0"	SOLID CORE	SOLID CORE; PL3 (PLASTIC LAMINATE)	INTERIOR	HOLLOW METAL	PAINT	HW SET 03	-		OFFICE
110	ED-C	3'-0"	7'-0"	FIBERGLASS	SPECIAL-LITE AF 100 PRE-FINISHED FIBERGLASS LOUVERED (CUSTOM COLOR: TBD); AF-150 FIBERGLASS FRAME; INSTALL ADA COMPLIANT THRESHOLD AT ALL DOORS. 1/2" MAX WITH 1:2 SLOPE.	LARGE MISSILE RESISTANT-ASTM E1886, ASTM E1996 & TDI REQUIREMENTS (SUBMIT TDI DOCUMENTATION)	FIBERGLASS	PRE-FINISHED FIBERGLASS	HW SET 06	-		EXTERIOR SHOWER STALL
111	ED-C	3'-0"	7'-0"	FIBERGLASS	SPECIAL-LITE AF 100 PRE-FINISHED FIBERGLASS LOUVERED (CUSTOM COLOR: TBD); AF-150 FIBERGLASS FRAME; INSTALL ADA COMPLIANT THRESHOLD AT ALL DOORS. 1/2" MAX WITH 1:2 SLOPE.	LARGE MISSILE RESISTANT-ASTM E1886, ASTM E1996 & TDI REQUIREMENTS (SUBMIT TDI DOCUMENTATION)	FIBERGLASS	PRE-FINISHED FIBERGLASS	HW SET 06	-		EXTERIOR SHOWER STALL
112	ED-C	3'-0"	7'-0"	FIBERGLASS	SPECIAL-LITE AF 100 PRE-FINISHED FIBERGLASS LOUVERED (CUSTOM COLOR: TBD); AF-150 FIBERGLASS FRAME; INSTALL ADA COMPLIANT THRESHOLD AT ALL DOORS. 1/2" MAX WITH 1:2 SLOPE.	LARGE MISSILE RESISTANT-ASTM E1886, ASTM E1996 & TDI REQUIREMENTS (SUBMIT TDI DOCUMENTATION)	FIBERGLASS	PRE-FINISHED FIBERGLASS	HW SET 06	-		EXTERIOR SHOWER STALL

Front Elevation				
TYPE	ED-A	ED-B	ED-C	ED-D
Nominal W x H Size	3'-0"×7'-2"	3'-0"×7'-0"	3'-0"×7'-0"	12'-0"×12'-0"
MATERIAL/ FINISH	SPECIAL-LITE SL-19; WOOD GRAIN; FRP/ALUMINUM HYBRID DOOR; ANODIZED ALUMINUM FRAME; INSTALL ADA COMPLIANT THRESHOLD AT ALL DOORS. 1/2" MAX WITH 1:2 SLOPE.	SPECIAL-LITE AF 100 PRE-FINISHED FIBERGLASS (CUSTOM COLOR: TBD); AF-150 FIBERGLASS FRAME; INSTALL ADA COMPLIANT THRESHOLD AT ALL DOORS. 1/2" MAX WITH 1:2 SLOPE.	SPECIAL-LITE AF 100 PRE-FINISHED FIBERGLASS LOUVERED (CUSTOM COLOR: TBD); AF-150 FIBERGLASS FRAME; INSTALL ADA COMPLIANT THRESHOLD AT ALL DOORS. 1/2" MAX WITH 1:2 SLOPE.	KYNAR FINISHED; HIGH LIFT OH DOOR
GLAZING	U-FACTOR: 0.40 MAX; SHGC: 0.25 MAX; SAFETY GLAZING AS REQUIRED BY ALL CODES	-	-	-
FIRE RATING	-	-	-	-
CLOSER	YES	YES	-	-
WINDSTORM	LARGE MISSILE RESISTANT-ASTM E1886, ASTM E1996 & TDI REQUIREMENTS (SUBMIT TDI DOCUMENTATION)	LARGE MISSILE RESISTANT-ASTM E1886, ASTM E1996 & TDI REQUIREMENTS (SUBMIT TDI DOCUMENTATION)	LARGE MISSILE RESISTANT-ASTM E1886, ASTM E1996 & TDI REQUIREMENTS (SUBMIT TDI DOCUMENTATION)	LARGE MISSILE RESISTANT-ASTM E1886, ASTM E1996 & TDI REQUIREMENTS (SUBMIT TDI DOCUMENTATION)
QUANTITY	1	1	3	6

Front Elevation					
TYPE	ID-A	ID-B	ID-C	ID-D	ID-E
Nominal W x H Size	3'-0"×7'-0"	3'-0"×7'-0"	3'-0"×7'-0"	3'-0"×7'-0"	3'-0"×7'-0"
MATERIAL/ FINISH	SOLID CORE; PL3 (PLASTIC LAMINATE)	SOLID CORE; PL3 (PLASTIC LAMINATE)	HOLLOW METAL, PAINT	SOLID CORE; PL3 (PLASTIC LAMINATE)	SOLID CORE; LOUVER; PL3 (PLASTIC LAMINATE)
GLAZING	-	-	-	-	-
FIRE RATING	-	-	-	-	-
CLOSER	-	YES	YES	-	-
WINDSTORM	INTERIOR	INTERIOR	INTERIOR	INTERIOR	INTERIOR
QUANTITY	2	2	1	1	1

Notes:
1. Refer to Sheet A200 for General Notes.

HARDWARE SET NO.	HARDWARE SCHEDULE SPECIFICATION	2/26/2026 NOTES
GENERAL NOTES	1. All hardware shall be approved by Architect. 2. All hardware and access control shall be Keyed and Set to Owner's System. Coordinate with Owner. 3. Finish shall TBD from full line of colors. Coordinate with Architect. 4. All hardware shall comply with all applicable code requirements. 5. All Hardware shall be ADA/TDLR compliant AND be LEVER style handles. 6. Opening force shall be 5 LBS. MAX for all non-fire rated door assemblies.	
KEYING	1. General: Supplier will meet with owner to finalize keying requirements. 2. Keys: Coordinate with Owner. Deliver all keys to owners' representative. 3. Provide construction core keying for this project with keys as required per Owner. 4. Permanent cores shall be installed by the General Contractor when directed by Owner. 5. Provide Grandmaster Keys in amount as required by Owner. 6. Provide Master Keys in amount as required by Owner.	
HW SET 01	3 EA Butts 1 EA Entrance Latchset/Lockset (Lever Style) 1 EA Rim Surface Mount Panic Bar 1 EA Deadbolt EA Closer 1 EA Weatherstripping 1 EA Rain Drip 1 EA TAS/ADA Compliant Threshold	1 Single Exterior Entrance Door: TDI Windstorm Requirements
HW SET 02	3 EA Butts 1 EA Entrance Latchset/Lockset (Lever Style) 1 EA Deadbolt 1 EA Closer 1 EA Kickplate (12" tall) 1 EA Weatherstripping 1 EA Rain Drip 1 EA TAS/ADA Compliant Threshold	Single Exterior Entrance Door: (Employee areas): TDI Windstorm Requirements
HW SET 03	3 EA Butts 1 EA Office Latchset/Lockset (Lever Style) 1 EA Wall Stop 3 EA Silencers	Single Interior Office Door (Not Fire Rated)
HW SET 04	3 EA Butts 1 EA Push/Pull 1 EA Closer 1 EA Kickplate (12" tall) 1 EA Wall Stop 1 EA Kickplate 3 EA Silencers	Single Interior Passage Door (Not Fire Rated)
HW SET 05	3 EA Butts 1 EA Storeroom Latchset/Lockset (Lever Style) 1 EA Wall Stop 1 EA Kickplate 3 EA Silencers	Single Interior Storeroom Door (Not Fire Rated)
HW SET 06	3 EA Butts 1 EA Privacy Latchset/Lockset (Lever Style) 1 EA Deadbolt (Keyed Both Sides) 1 EA Kickplate (12" tall) 1 EA Closer 1 EA TAS/ADA Compliant Threshold	Single Exterior Shower Privacy Door: TDI Windstorm Requirements (Not Fire Rated)

WINDOW LEGEND	
3D Front View	
ID	EWA
W x H Size	5'-4"×4'-0"
Frame & Finish	ANODIZED ALUMINUM (CUSTOM COLOR: RED)
Glazing	U-FACTOR: 0.40 MAX; SHGC: 0.25 MAX
Windstorm	LARGE MISSILE RESISTANT-ASTM E1886, ASTM E1996 & TDI REQUIREMENTS (SUBMIT TDI DOCUMENTATION)
Quantity	3

Project Address:
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Port Aransas TX
78373 Nueces
County

Project Name:
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Headquarters
Facility

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02-25-2026



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IFC: MAY 15, 2025

1 001 REV: 02-26-2026
0 IFC: MAY 15, 2025

A603

Sheet Title

Project Data

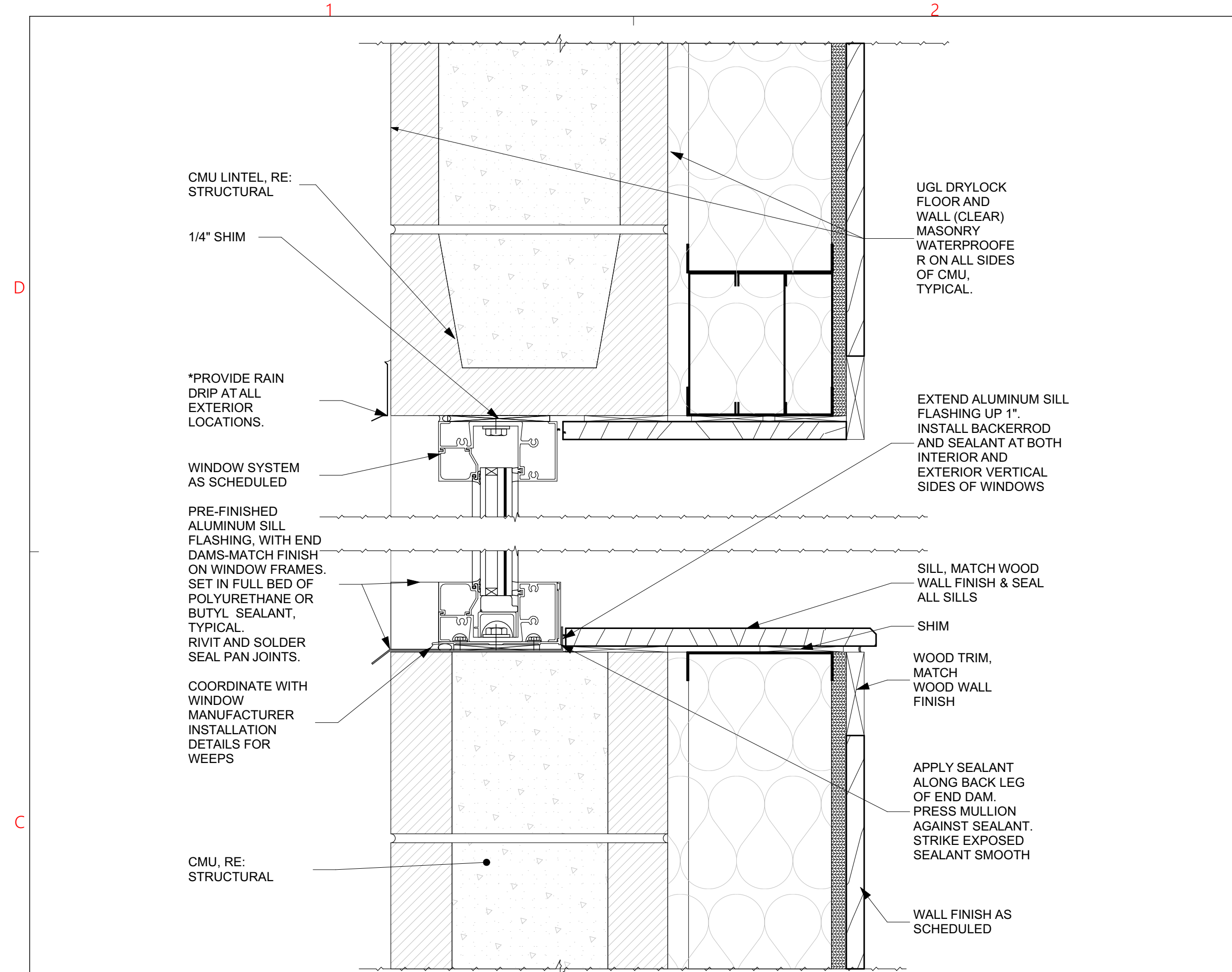
Revision

Issue

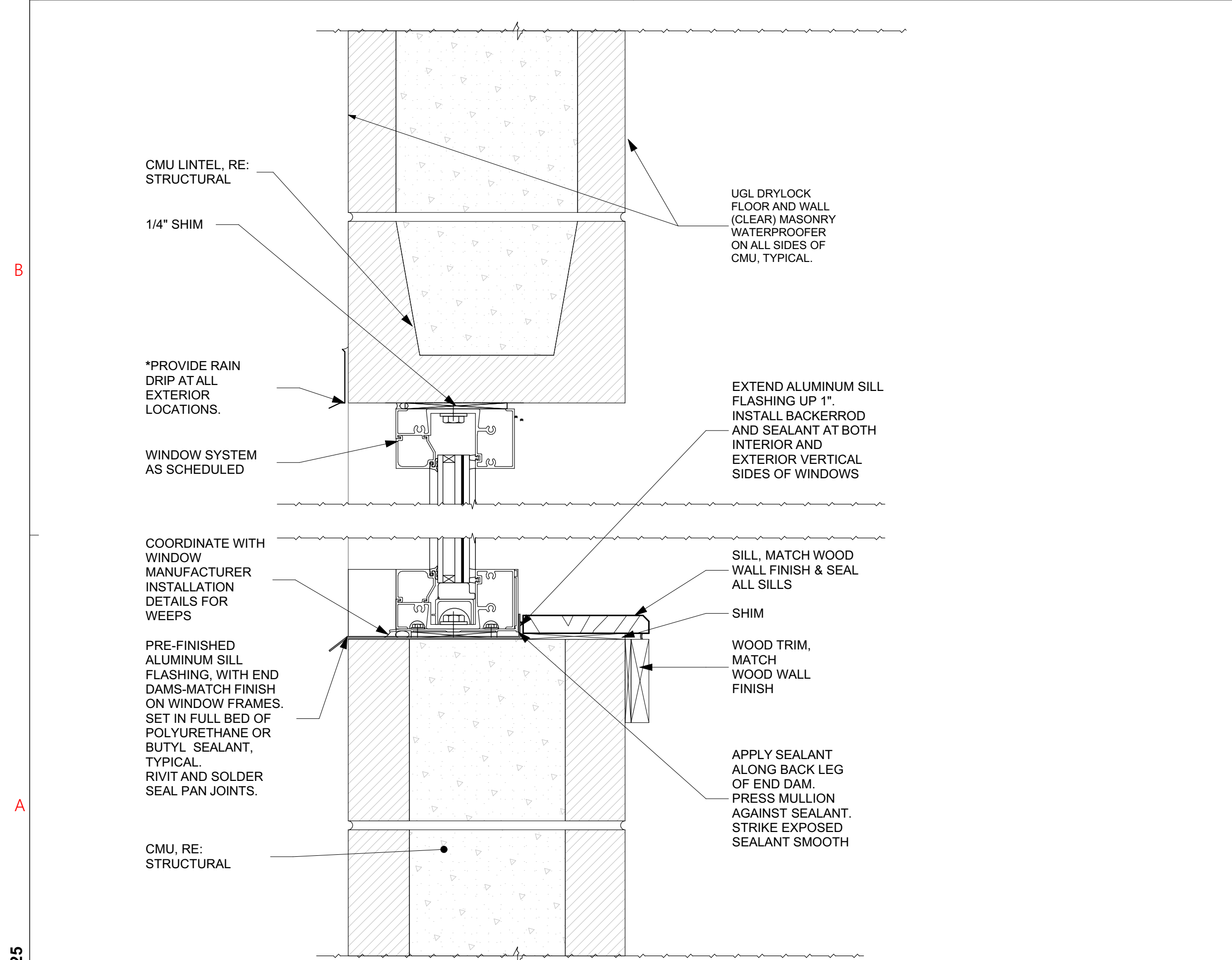
phone: 361.537.4400 erozypal@edrachitects.com

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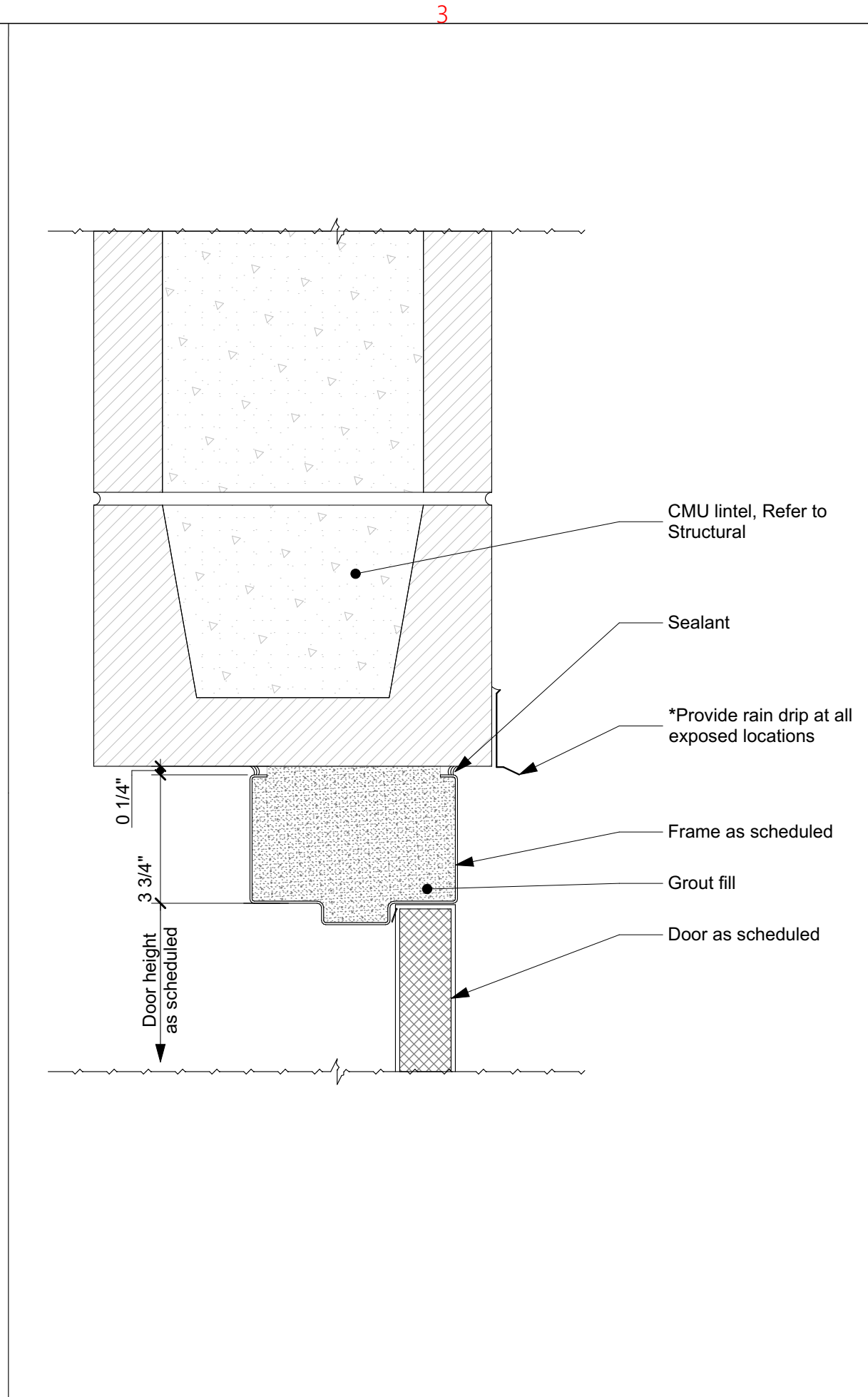
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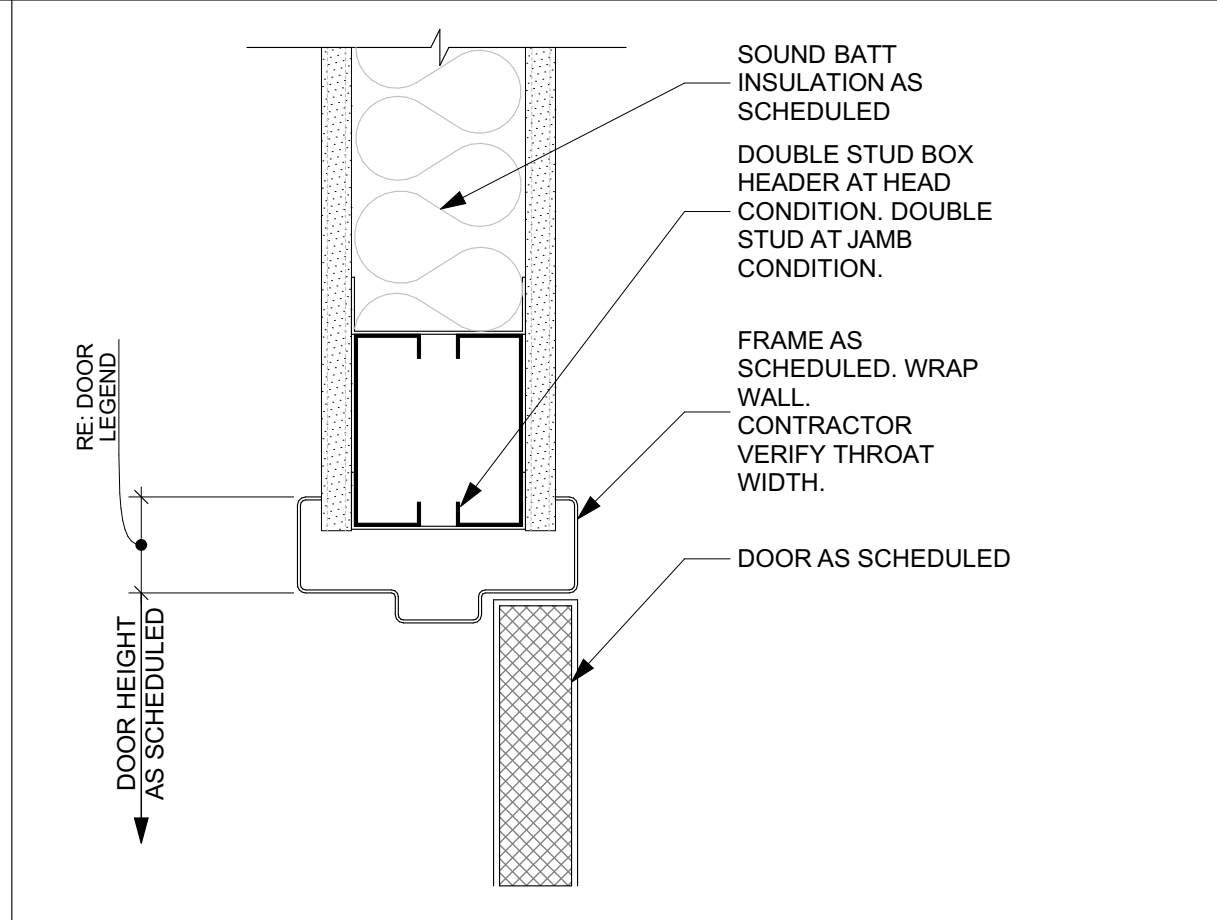
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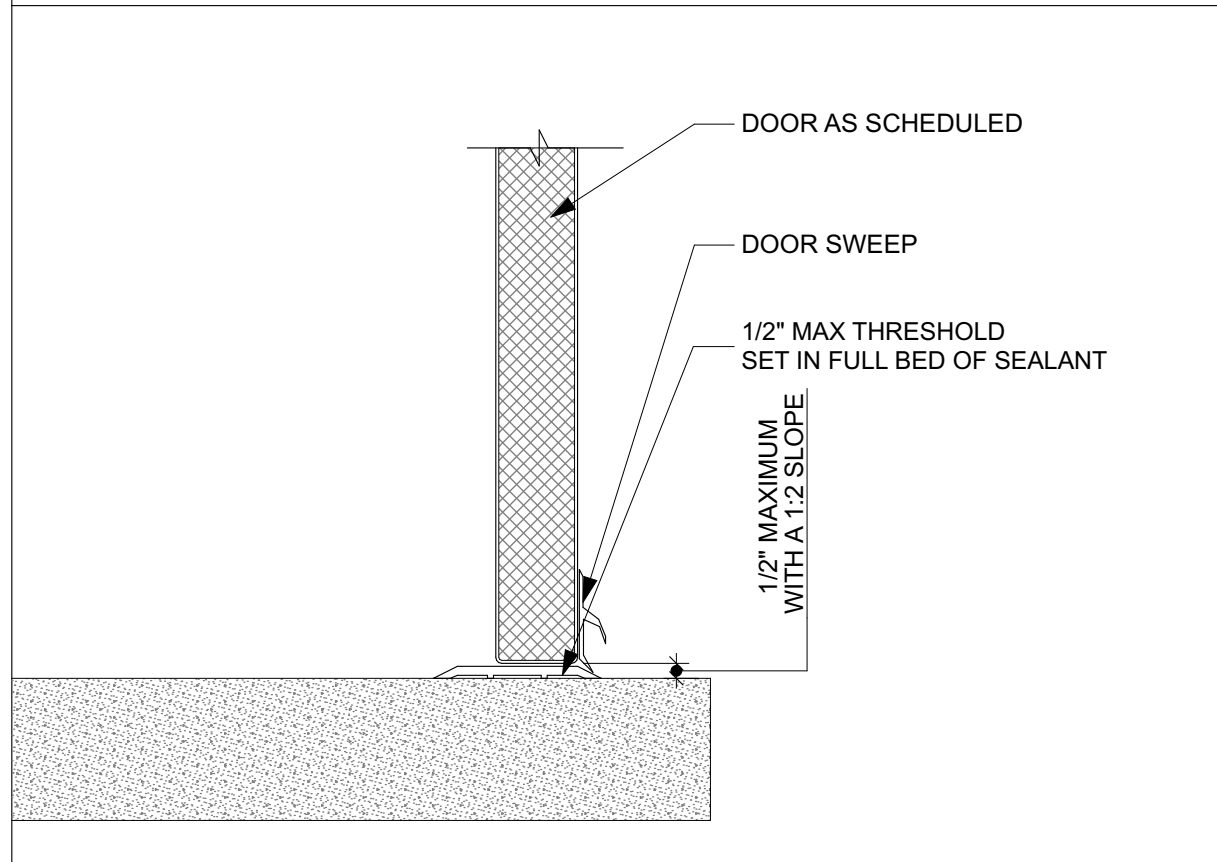
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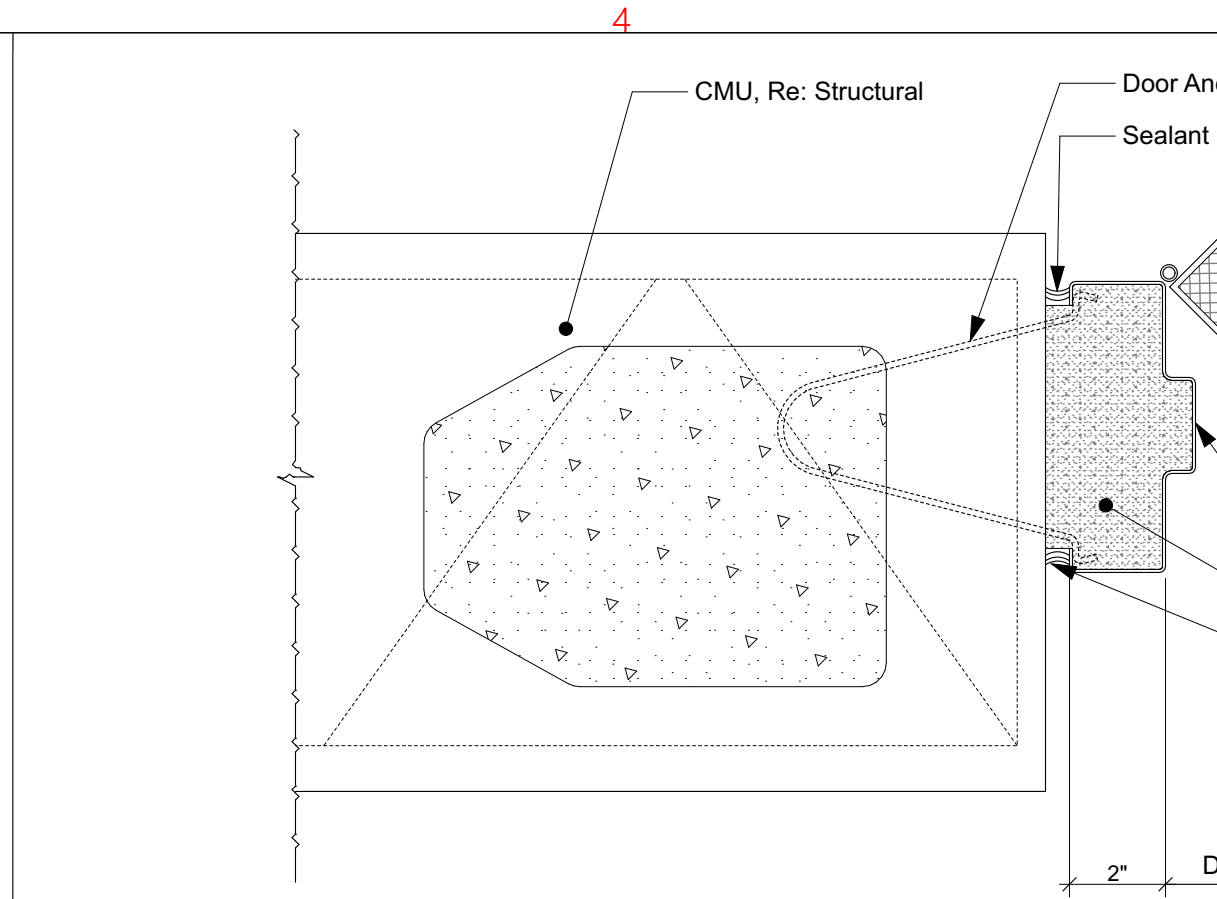
C3 SCHEMATIC DOOR HEAD-CMU
NOT TO SCALE



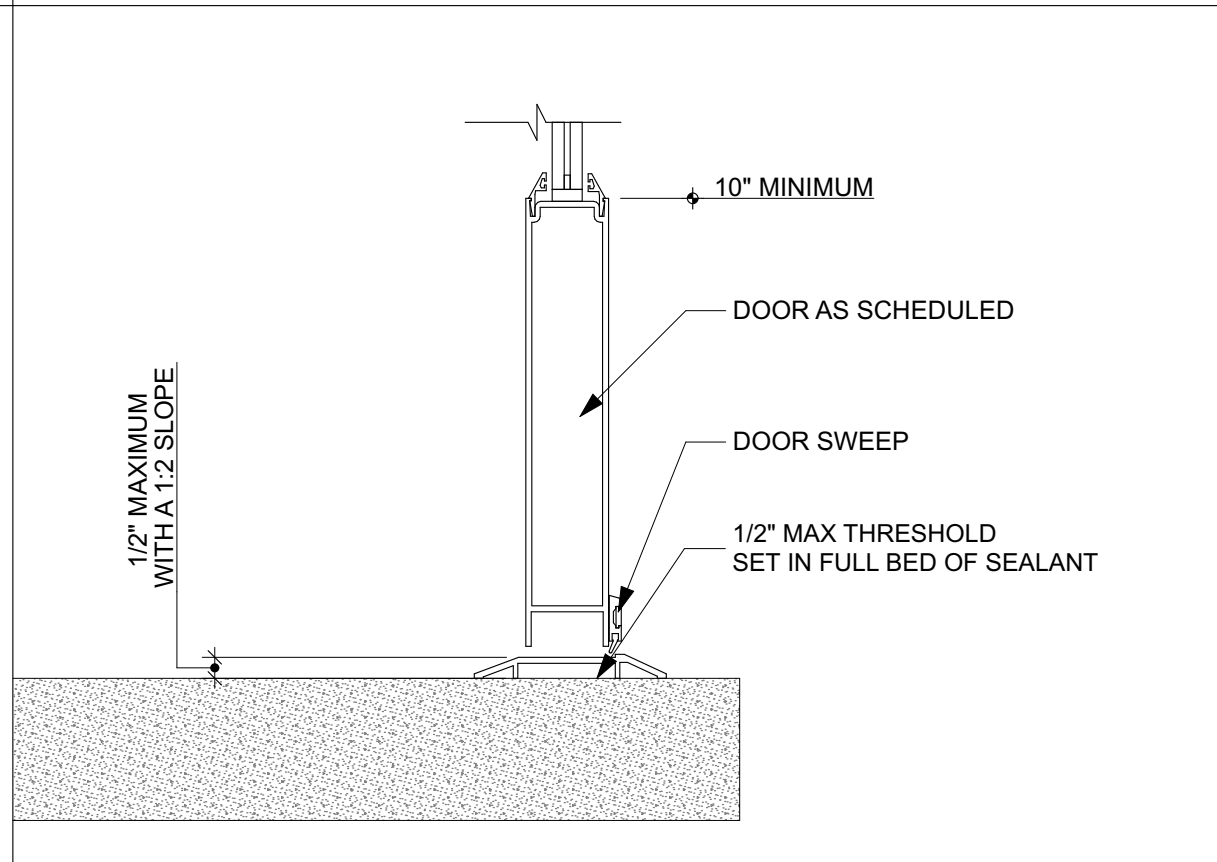
B3 SCHEMATIC ROOF-RIDGE CAP-AM-06A
NOT TO SCALE



A3 ACCESSIBLE THRESHOLD-SOLID
NOT TO SCALE



D4 SCHEMATIC DOOR JAMB-CMU
NOT TO SCALE



A4 ACCESSIBLE THRESHOLD-GLASS
NOT TO SCALE

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 - Contractor shall be responsible for complying with all State and Local building codes and amendments that apply to this project. Notify Architect if discrepancies are found.
 - Architectural Dimensions are to face of stud, CMU, or outside face of foundation, U.N.O.
 - Contractor shall verify locations and amounts of fire extinguishers with fire Marshal, typical. Provide F.E. within every 50', typical. F.E. shall be semi-Recessed and comply with all ADA/TDLR requirements.
 - Refer to G-SHEETS for information regarding Code Evaluations, typical.
 - Refer to Structural for all Structure, typical.
 - Refer to MEP for all MEP, typical.
 - Refer to Civil for all site details, paving notes, and site dimensions, Etc.
 - Refer to Landscape for all Landscape, irrigation, etc.
 - Refer to MISC 7 Note on A6

- Insulation:**
(CONTRACTOR SHALL COMPLY WITH 2018 IECC BUT NOT LESS THAN WHAT IS CALLED OUT IN THESE CONSTRUCTION DOCUMENTS)
- Contractor shall provide STC 55 minimum sound batt insulation at all interior walls, typical.
 - Contractor shall provide R-19 Cavity Foam-in Place thermal insulation at exterior walls, typical.
 - Contractor shall provide R-30 Continuous RIGID Insulation and Cementitious Cover board at ALL Roof Locations.
 - Contractor shall provide R-19 Cavity Foam-in-Place thermal insulation at all walls between conditioned and non-conditioned spaces, typical.

- Finishes:**
- Align joints and reveals in both walls and ceilings for tile and accent ceilings, typical.
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 - All signage shall be approved by Architect.
 - ALL signage shall be Aluminum.

- Doors:**
- Contractor shall verify all door and frame dimensions prior to fabrication and installation, door dimensions are nominal.
 - Finish edges of wood doors shall match material and color of scheduled face finish, typical.
 - All thresholds at doors shall be ADA/TAS compliant, typical.
 - Door hardware shall comply with all state and local building codes and amendments and Texas Architectural Barriers (ADA) Section 309 Operable Parts.
 - Door and Gate Opening Force. Fire doors shall have a minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open a door or gate other than fire doors shall be as follows:
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MAY 15, 2025

Project No:
21004

ARCHITECTURAL-
FENESTRATION II-001 REV
02-25-2026

A604

phone: 361.537.4400 erozypal@edraarchitects.com

Revision

Issue

Project Data

Sheet Title

Plan North

ENLARGED PLAN

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

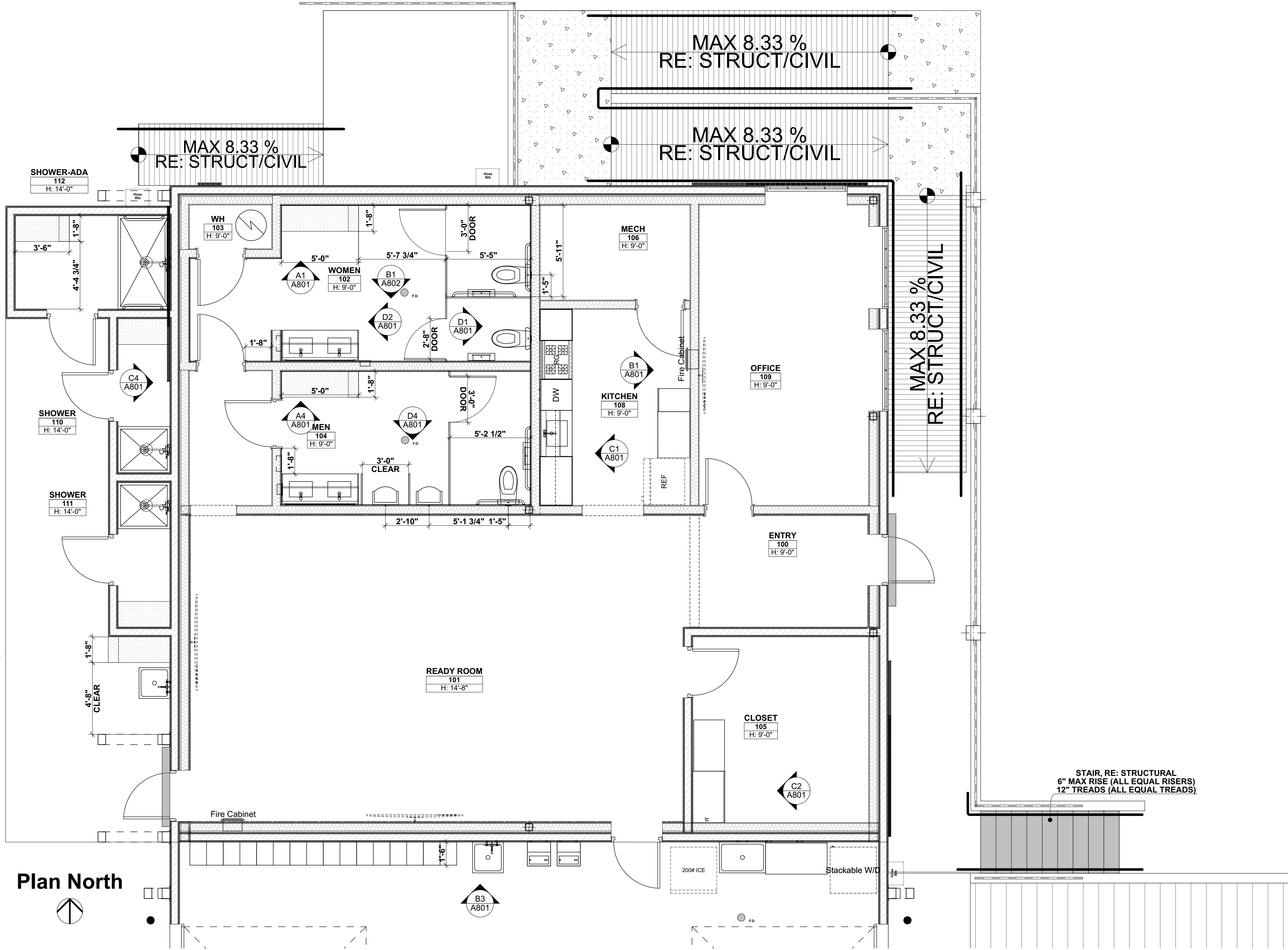
A1

Plan North

ENLARGED PLAN

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

B1



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Headquarters
Facility

Project No:
21004

ARCHITECTURAL-ENLARGED
PLANS-001 REV 02-25-2026

A800



IFC: MAY 15, 2025

Drawings and Specifications as instruments of service are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing and appropriate compensation to the Architect.

The General Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.

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1 001 REV: 02-26-2026
0 IFC: MAY 15, 2025

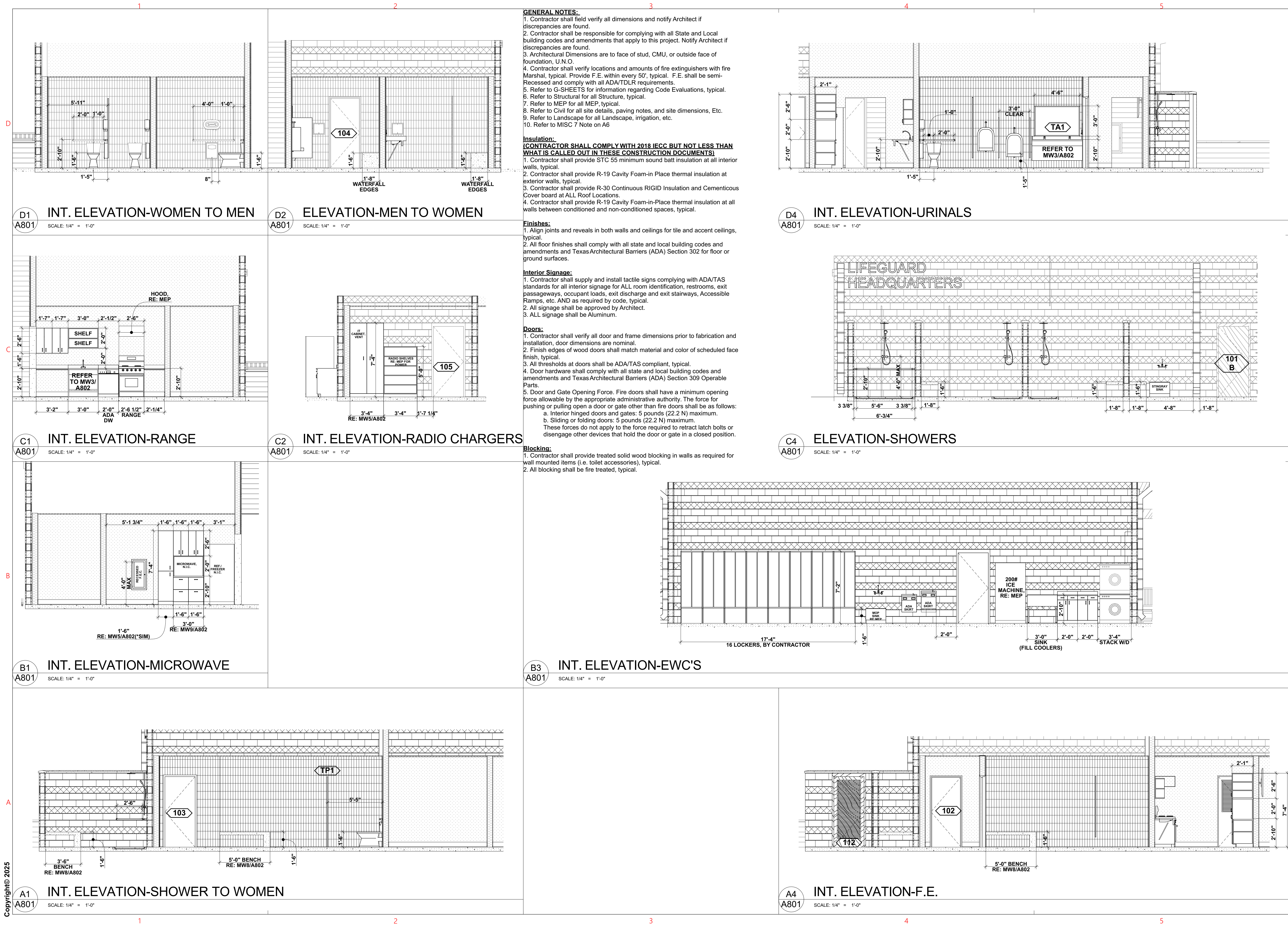
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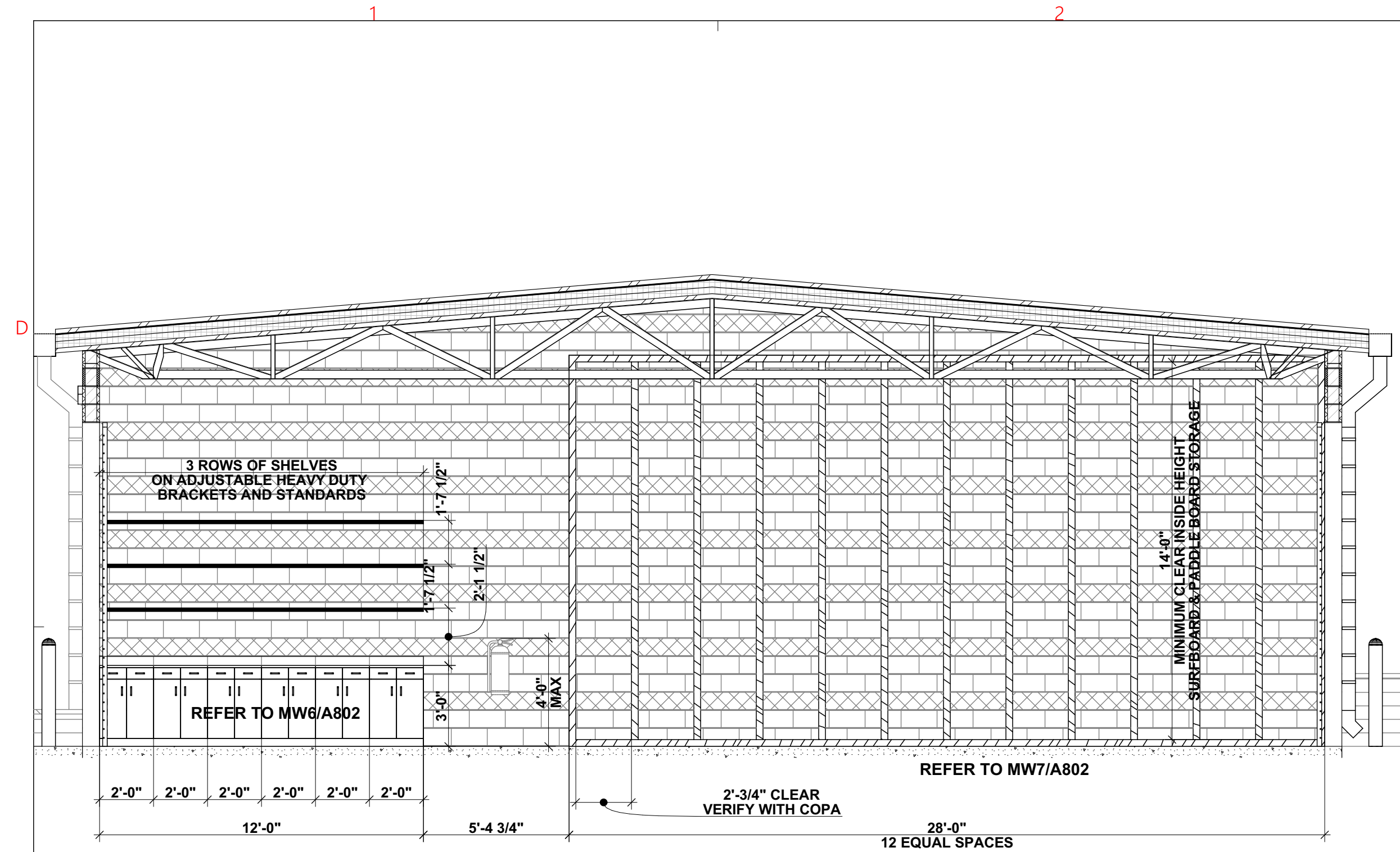
Sheet Title

Revision

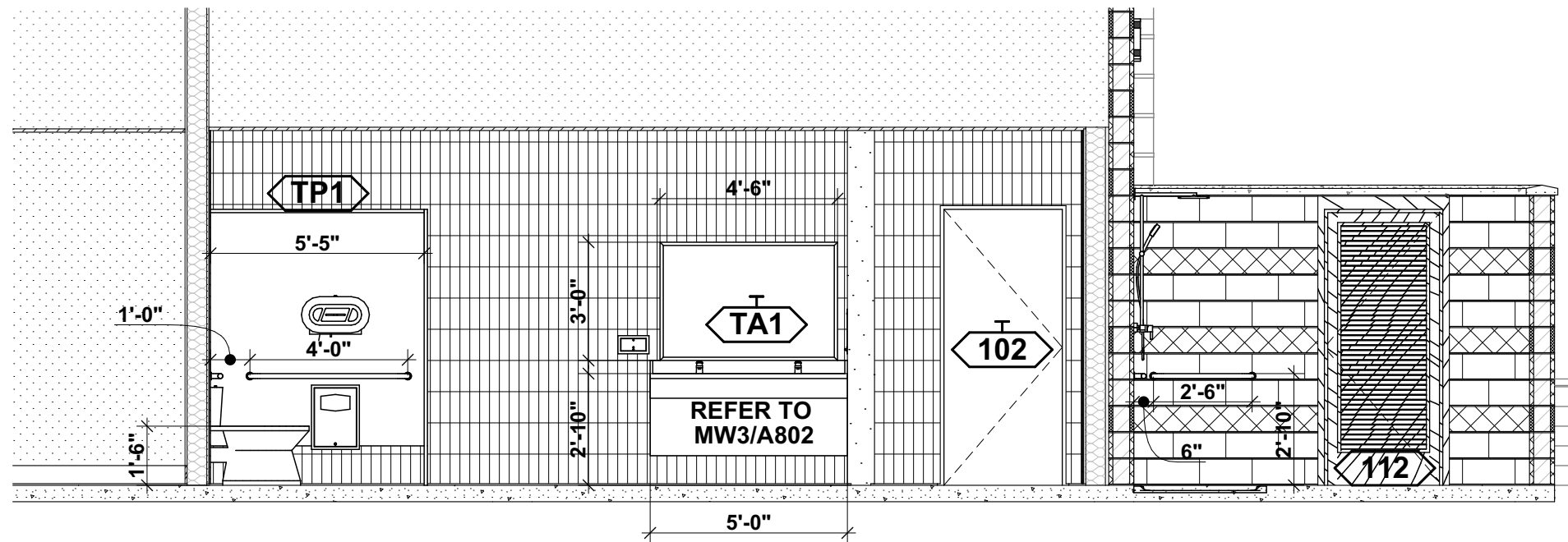
phone: 361.537.4400 erozypal@edrarchitects.com

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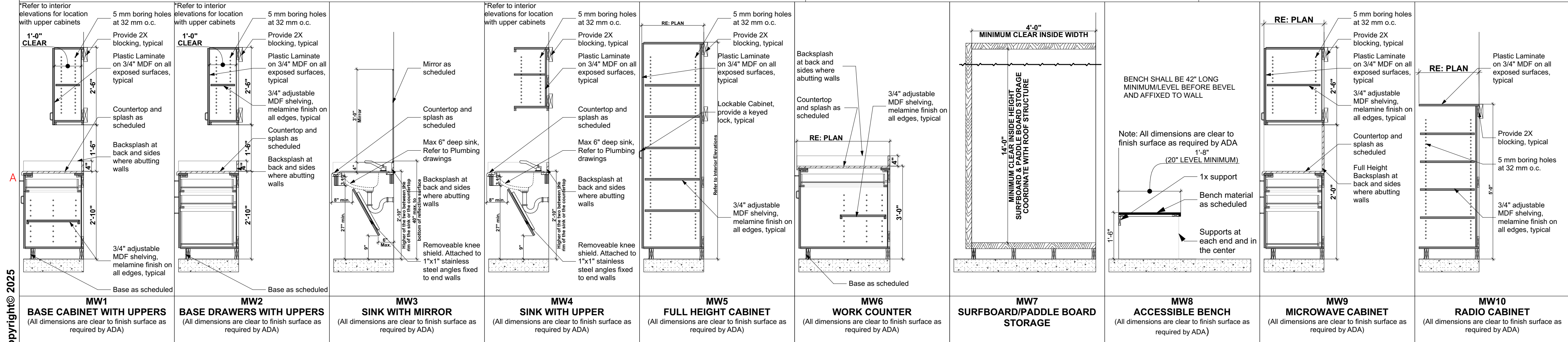




C1 INT. ELEVATION-SURFBOARDS-WORKBENCH
SCALE: 1/4" = 1'-0"



B1 INT. ELEVATION-WOMEN RR
SCALE: 1/4" = 1'-0"



- GENERAL NOTES:**
1. Contractor shall field verify all dimensions and notify Architect if discrepancies are found.
 2. Contractor shall be responsible for complying with all State and Local building codes and amendments that apply to this project. Notify Architect if discrepancies are found.
 3. Architectural Dimensions are to face of stud, CMU, or outside face of foundation, U.N.O.
 4. Contractor shall verify locations and amounts of fire extinguishers with fire Marshal, typical. Provide F.E. within every 50', typical. F.E. shall be semi-Recessed and comply with all ADA/TDLR requirements.
 5. Refer to G-SHEETS for information regarding Code Evaluations, typical.
 6. Refer to Structural for all Structure, typical.
 7. Refer to MEP for all MEP, typical.
 8. Refer to Civil for all site details, paving notes, and site dimensions, Etc.
 9. Refer to Landscape for all Landscape, irrigation, etc.
 10. Refer to MISC 7 Note on A6

- Insulation:**
(CONTRACTOR SHALL COMPLY WITH 2018 IECC BUT NOT LESS THAN WHAT IS CALLED OUT IN THESE CONSTRUCTION DOCUMENTS)
1. Contractor shall provide STC 55 minimum sound batt insulation at all interior walls, typical.
 2. Contractor shall provide R-19 Cavity Foam-in Place thermal insulation at exterior walls, typical.
 3. Contractor shall provide R-30 Continuous RIGID Insulation and Cementitious Cover board at ALL Roof Locations.
 4. Contractor shall provide R-19 Cavity Foam-in-Place thermal insulation at all walls between conditioned and non-conditioned spaces, typical.

- Finishes:**
1. Align joints and reveals in both walls and ceilings for tile and accent ceilings, typical.
 2. All floor finishes shall comply with all state and local building codes and amendments and Texas Architectural Barriers (ADA) Section 302 for floor or ground surfaces.

- Interior Signage:**
1. Contractor shall supply and install tactile signs complying with ADA/TAS standards for all interior signage for ALL room identification, restrooms, exit passageways, occupant loads, exit discharge and exit stairways, Accessible Ramps, etc. AND as required by code, typical.
 2. All signage shall be approved by Architect.
 3. ALL signage shall be Aluminum.

- Doors:**
1. Contractor shall verify all door and frame dimensions prior to fabrication and installation, door dimensions are nominal.
 2. Finish edges of wood doors shall match material and color of scheduled face finish, typical.
 3. All thresholds at doors shall be ADA/TAS compliant, typical.
 4. Door hardware shall comply with all state and local building codes and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.
 5. Door and Gate Opening Force. Fire doors shall have a minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open a door or gate other than fire doors shall be as follows:
 - a. Interior hinged doors and gates: 5 pounds (22.2 N) maximum.
 - b. Sliding or folding doors: 5 pounds (22.2 N) maximum.These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position.

- Blocking:**
1. Contractor shall provide treated solid wood blocking in walls as required for wall mounted items (i.e. toilet accessories), typical.
 2. All blocking shall be fire treated, typical.

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IFC: MAY 15, 2025

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Project Address:
303 Ninth Street
Port Aransas TX
78373 Nueces
County

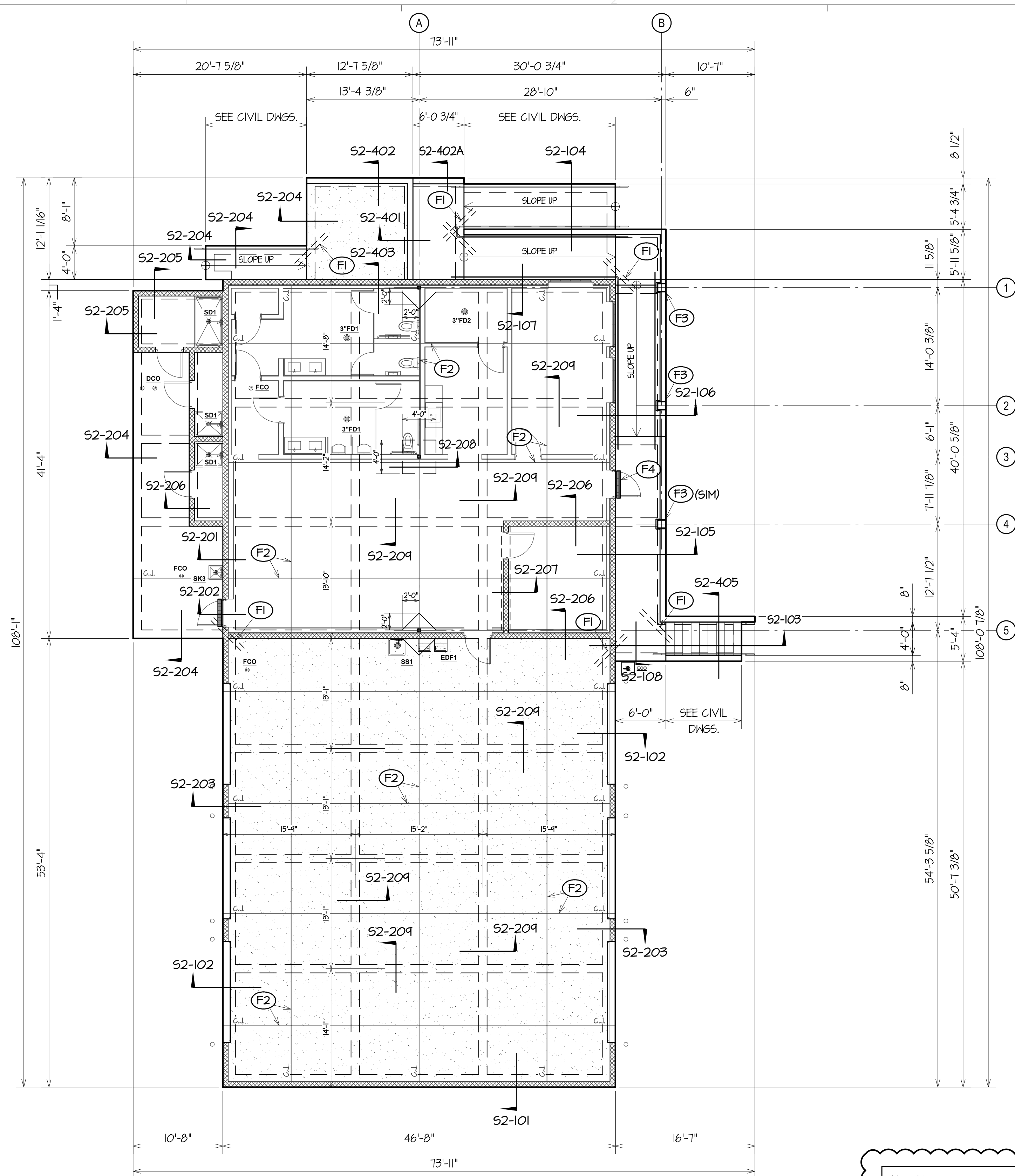
Date:
MAY 15, 2025

Project Name:
COPA-Lifeguard
Headquarters
Facility

Project No:
21004

ARCHITECTURAL-INTERIOR
ELEV. II-001 REV 02-25-2026

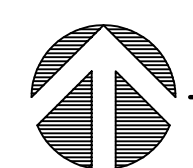
A802



GARAGE SLAB NOTE :
 6" THICK CONCRETE SLAB ON
 COMPACTED FILL. REINF. SLAB WITH # 4 @ 12"
 CTRS. EACH WAY IN CENTER OF SLAB. COVER
 PREPARED GRADE WITH 10 MIL POLYETHYLENE
 SHEETING PRIOR TO PLACING CONCRETE.

OFFICE AREA SLAB NOTE :
5" THICK CONCRETE SLAB ON COMPACTED
FILL. REINF. SLAB WITH # 4 @ 16" CTRS. EACH
WAY IN CENTER OF SLAB. COVER PREPARED
GRADE WITH 10 MIL POLYETHYLENE SHEETING
PRIOR TO PLACING CONCRETE.

FINISHED FLOOR ELEVATION = 10.00' (U.N.O.)



FOUNDATION PLAN

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

PLAN NORTH
NOT TRUE NORTH

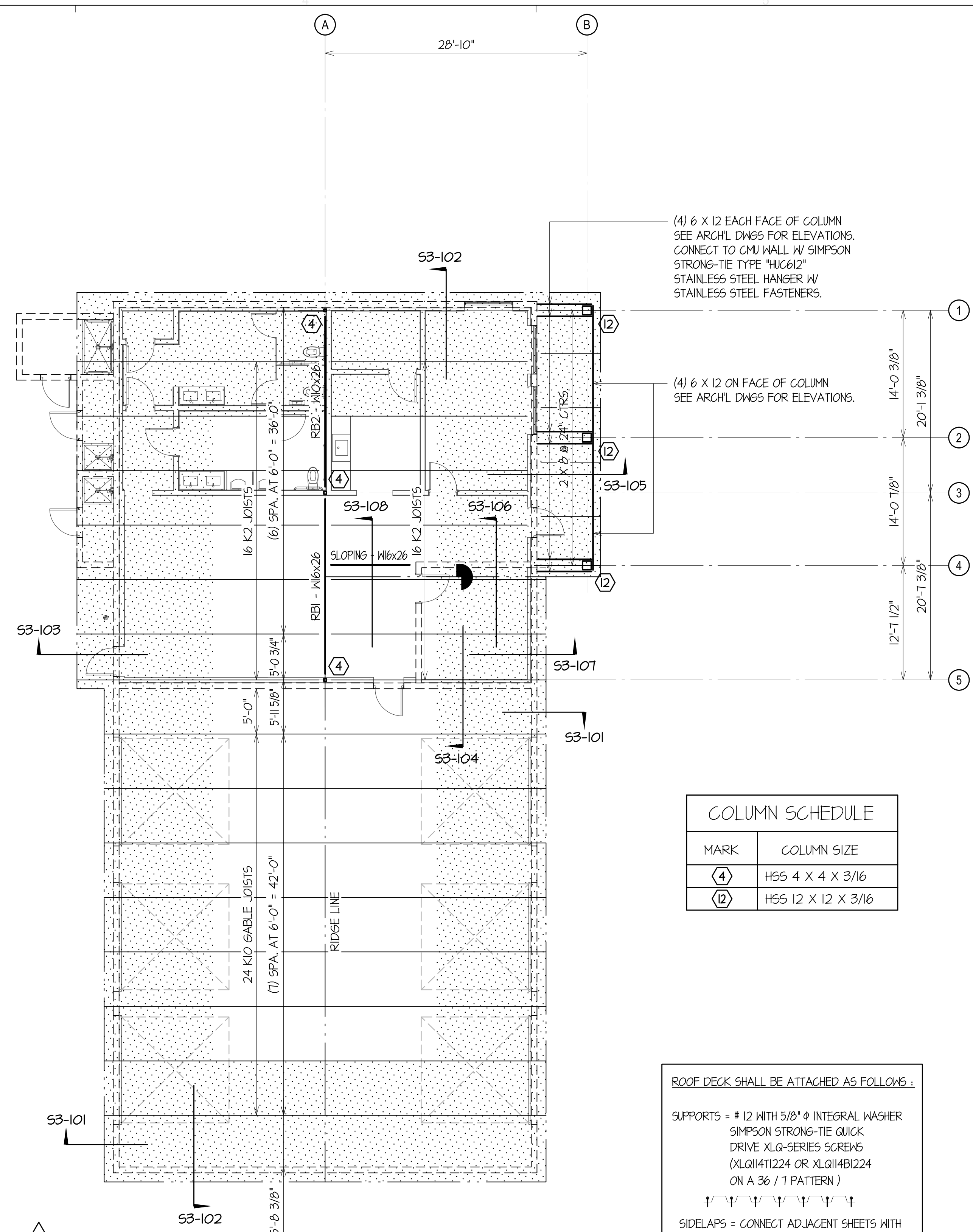
FOUNDATION PLAN NOTES :

1. SEE CIVIL DRAWINGS FOR FINISHED GRADE AND FINISHED FLOOR ELEVATIONS. COORDINATE PERIMETER GRADE BEAM DEPTHS WITH FINISHED FLOOR AND FINISHED GRADE ELEVATIONS.
2. SEE ARCH'L DWGS. FOR DIMENSIONS AND LOCATIONS OF ALL FLOOR DROPS, FLOOR FINISHES, AND PLUMBING FIXTURES.
3. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL AND CIVIL PLANS PRIOR TO CASTING CONCRETE.
4. COORDINATE THE LOCATION OF ALL FLOOR DRAIN LOCATIONS WITH THE M.E.P. AND ARCH'L DWGS. SLOPE FINISH FLOOR TOWARD DRAIN.

FOUNDATION KEYED NOTES :

- (F1) - (2) #4 X 4'-0" IN CENTER OF SLAB AT INSIDE CORNER (TYP.)
- (F2) - SEE DETAIL 52-304 FOR CONTROL JOINTS.
- (F3) - SEE DETAIL 52-307 FOR DETAIL AT COLUMN BASE.
- (F4) - TRENCH DRAIN AT DOOR - SEE DETAIL 52-202 FOR ADDITIONAL NOTES.

NOTE:
ALL CMU CELLS SHALL BE FULLY GROUTED FULL
HEIGHT.



COLUMN SCHEDULE	
MARK	COLUMN SIZE
4	HSS 4 x 4 x 3/16
12	HSS 12 x 12 x 3/16

ROOF DECK SHALL BE ATTACHED AS FOLLOWS :

SUPPORTS = # 12 WITH 5/8" Φ INTEGRAL WASHER
SIMPSON STRONG-TIE QUICK
DRIVE XLQ-SERIES SCREWS
(XLQ114TI224 OR XLQ114BI224
ON A 36 / 7 PATTERN)

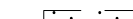


SIDLAPS = CONNECT ADJACENT SHEETS WITH
10 SST QUICK-DRIVE X-SERIES
SCREWS AT THE SIDELAPS
SPACED @ 12" CTRS.

NOTES :

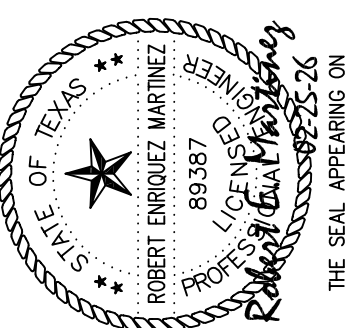
1. ALL FASTENERS SHALL BE INSPECTED BY THE TESTING LAB.
2. LAP DECK 3" MIN. AT ENDS.
3. REFER TO KEYED NOTE D1 FOR SPECIAL ATTACHMENT AT PERIMETER.

ROOF DECK CONNECTION KEYED NOTES :

(D1) -  ATTACH ROOF DECK ALONG PERIMETER OF BUILDING (10'-0" X WIDTH OR (2) JOIST BAYS, WHICHEVER IS GREATER) WITH # 12 WITH 5/8" Ø INTEGRAL WASHER SIMPSON STRONG-TIE QUICK DRIVE XLQ-SERIES SCREWS (XLQ141224 OR XLQ14B1224) ON A 36 / 1 PATTERN WITH 10 S5T QUICK-DRIVE X-SERIES SCREWS AT THE SIDELAPS SPACED @ 6" CTRS.

TYPICAL ROOF DECK CONNECTION DETAIL

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Date:

Project Name:
COPA-Lifeguard
Headquarters
Facility

Project No:

FOUNDATION AND
ROOF FRAMING PLAN

S1-1

phone: 361.537.4400 erozypal@edrarchitects.com

001 Revision February 25, 2026
T.B.P.E. FIRM NO. 6944
REM PROJECT NO. 24-225
THIS DOCUMENT WAS AUTHORIZED
BY ROBERT E. MARTINEZ, P.E. # 89387
T.B.P.E. FIRM NO. 6944

001 Revis

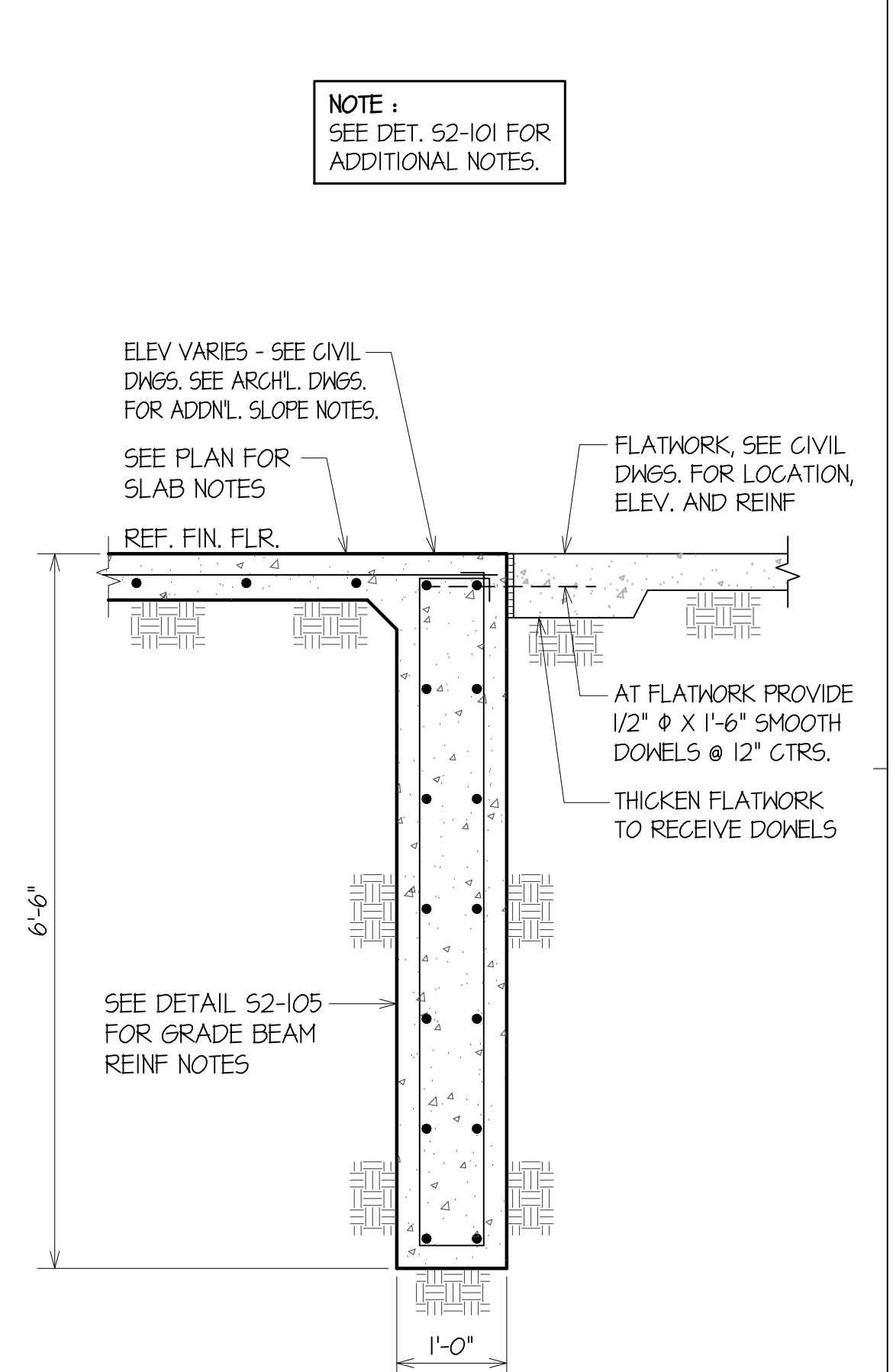
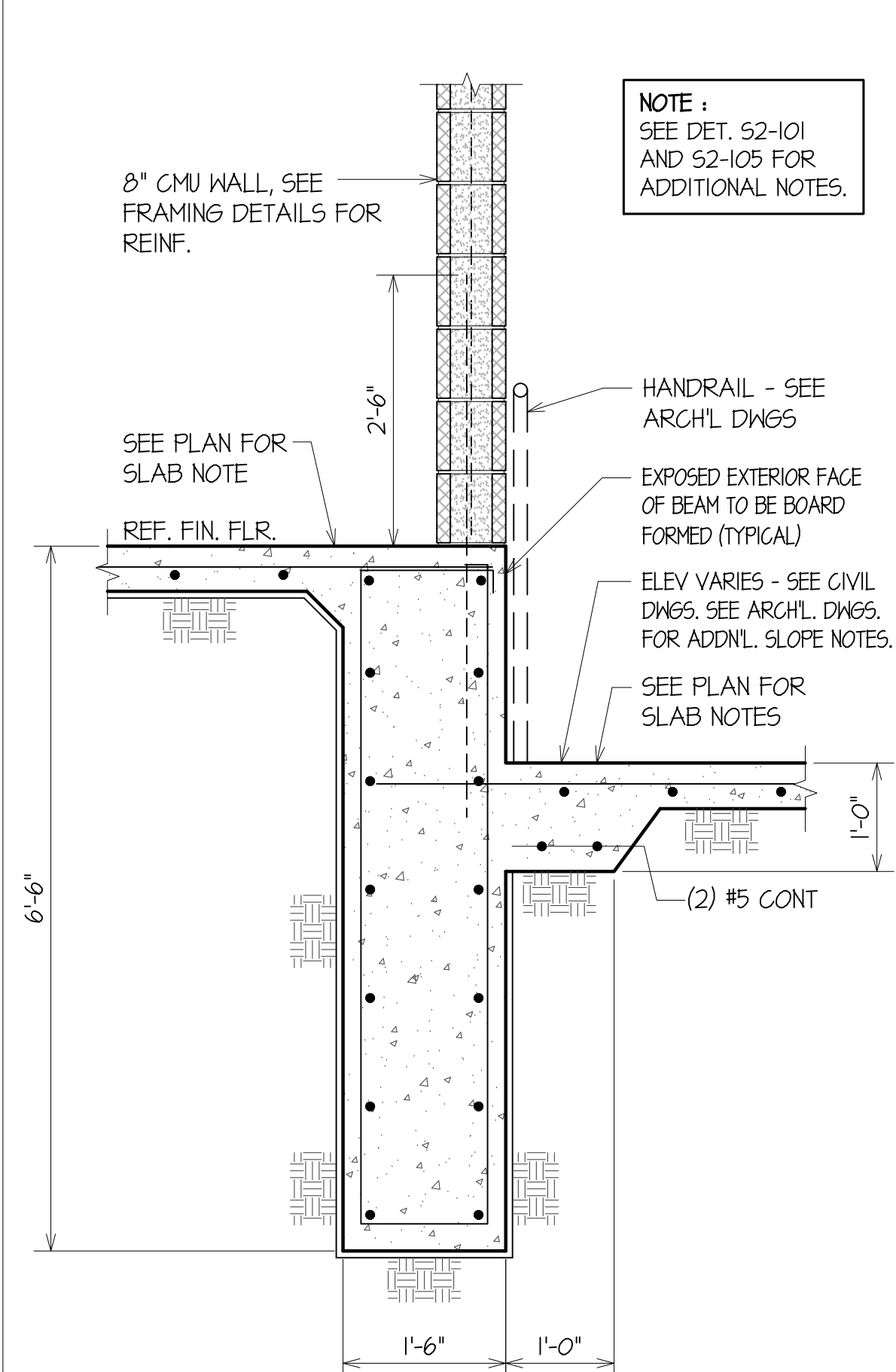
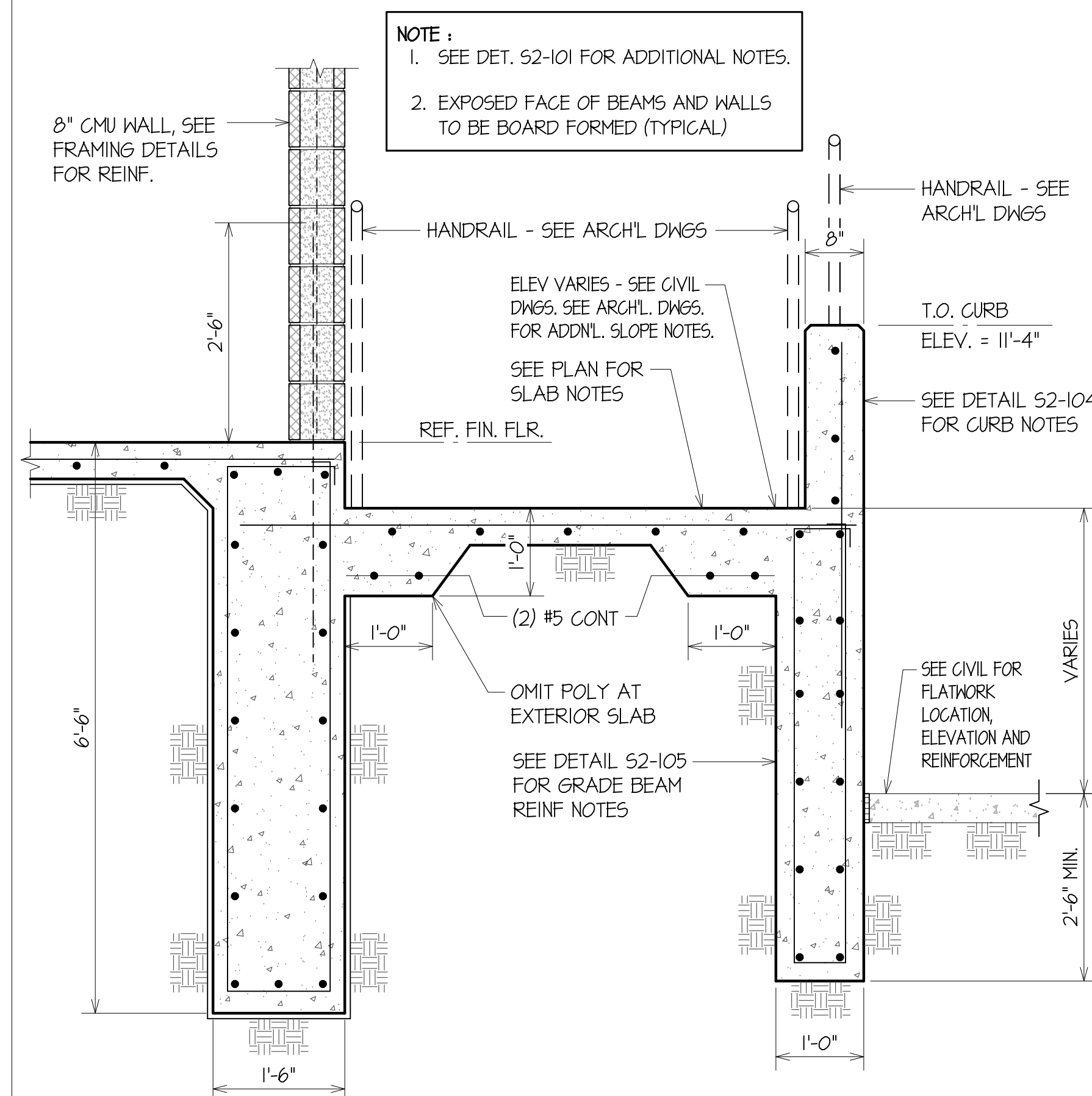
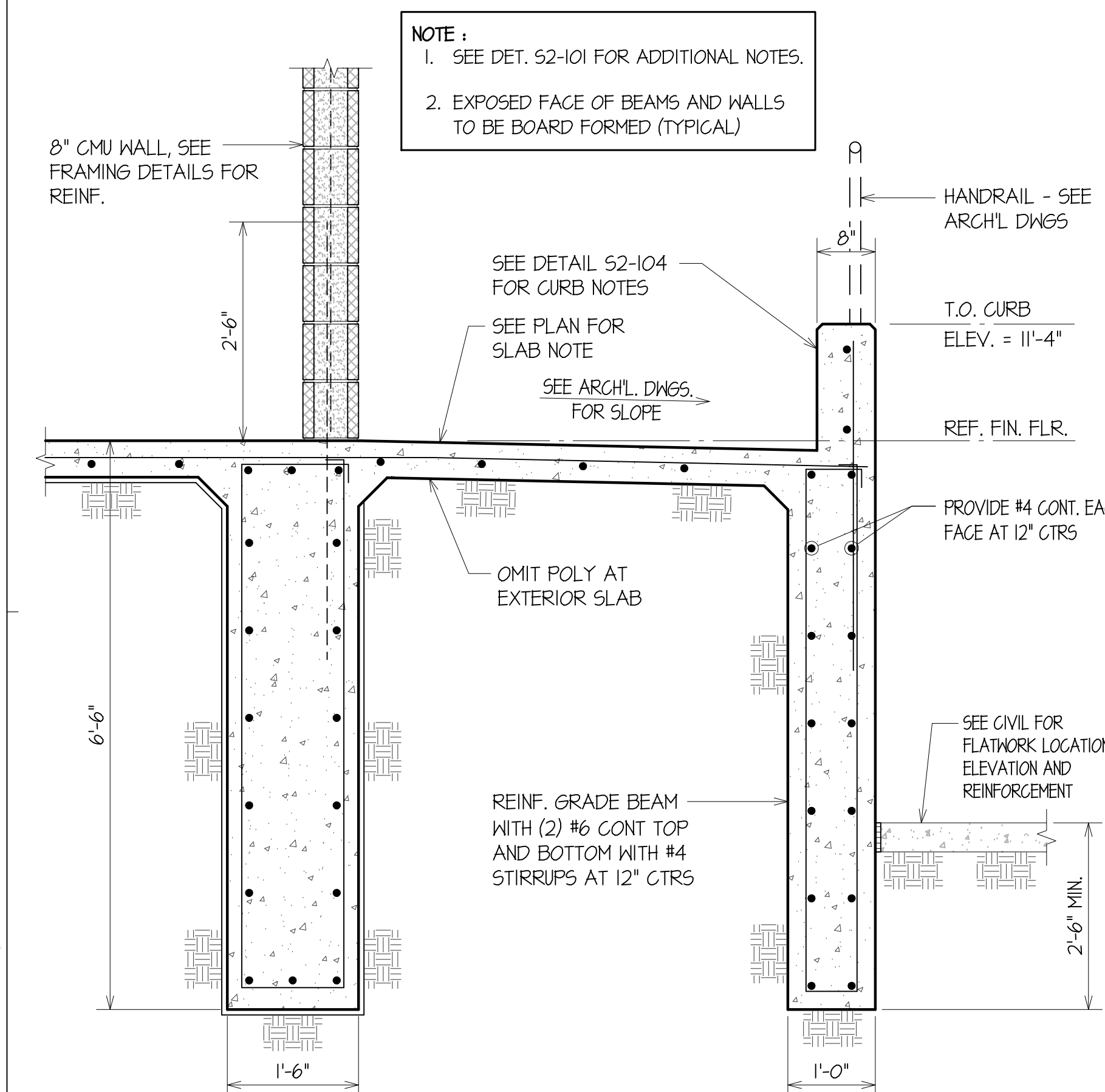
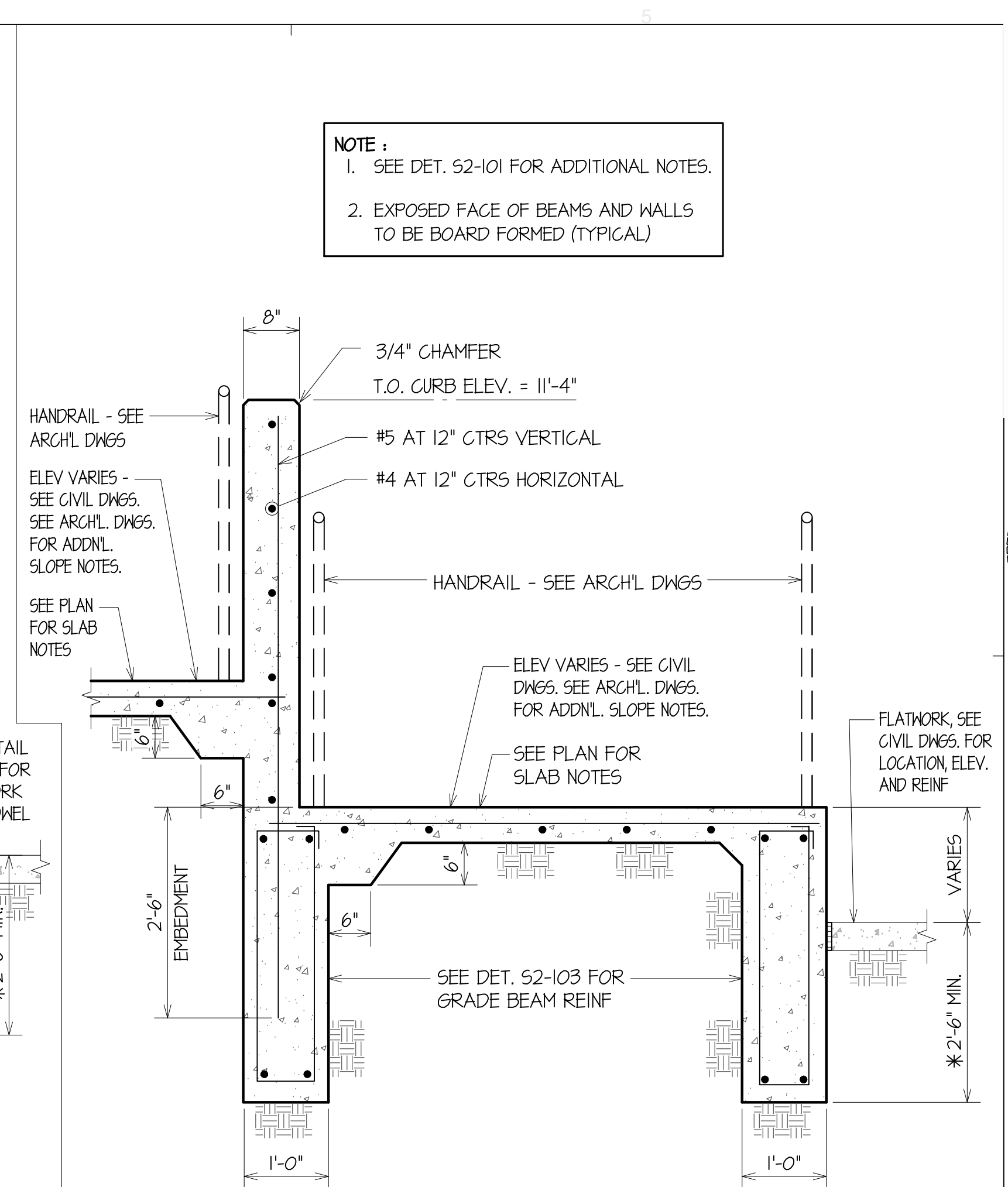
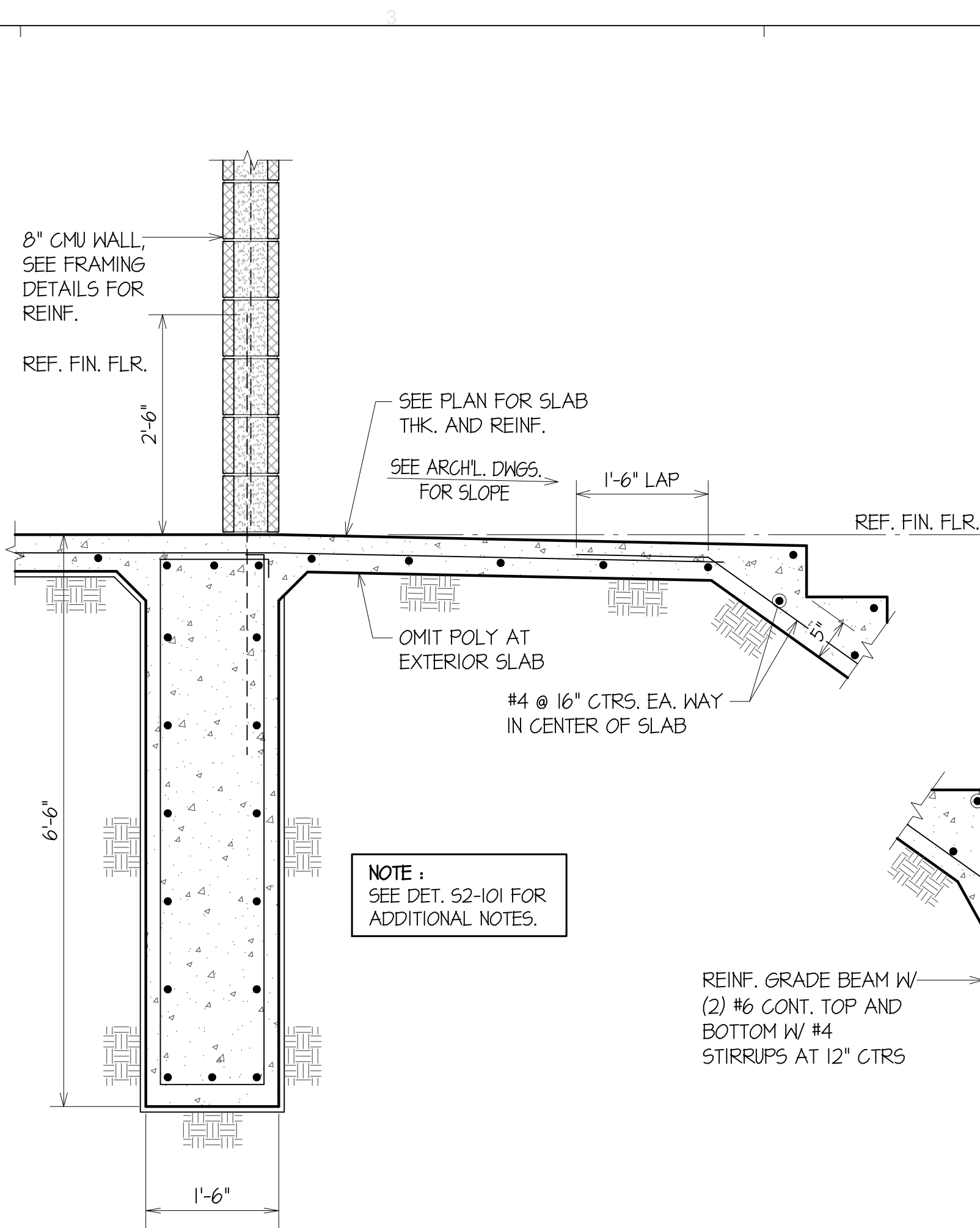
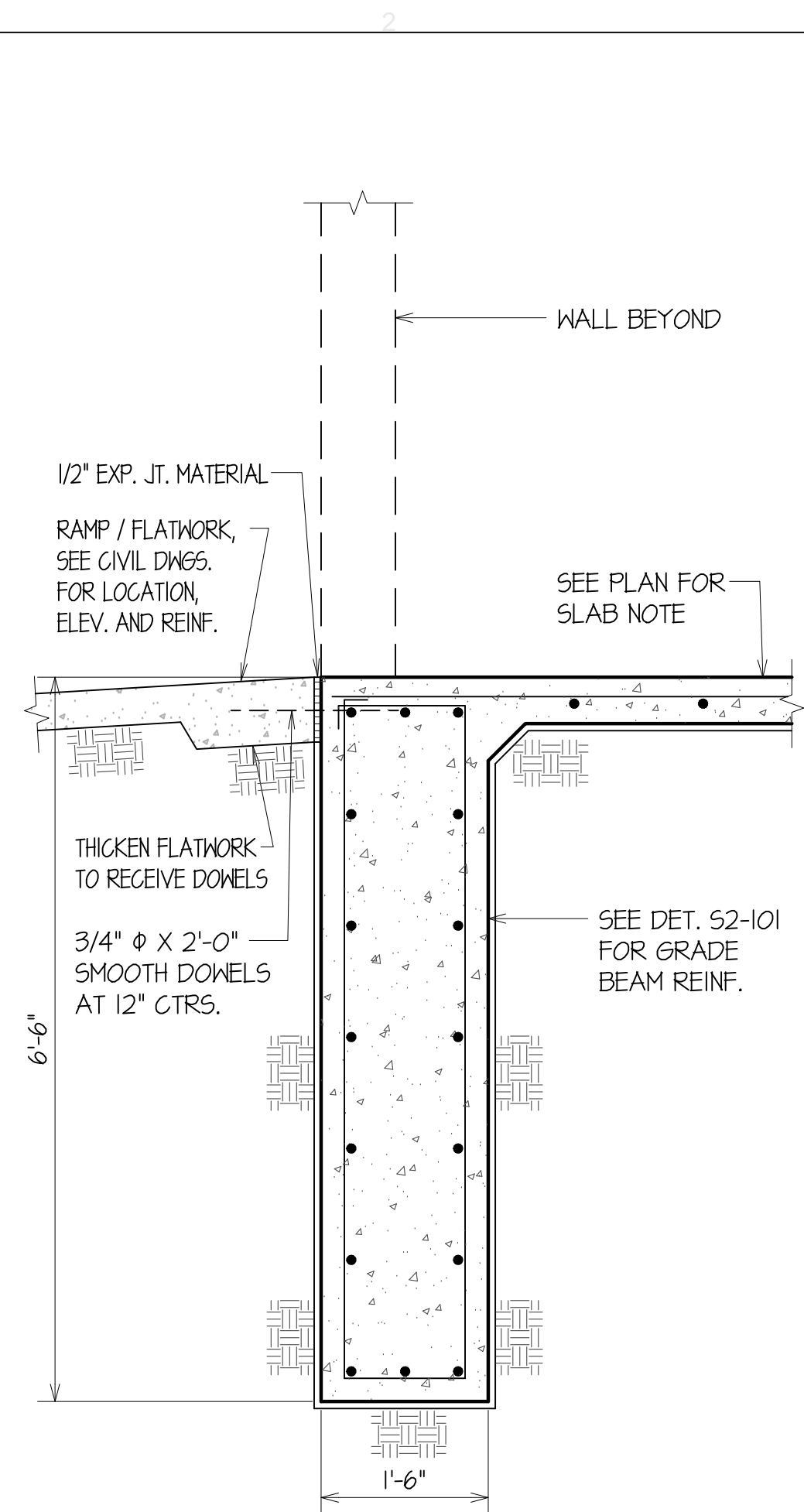
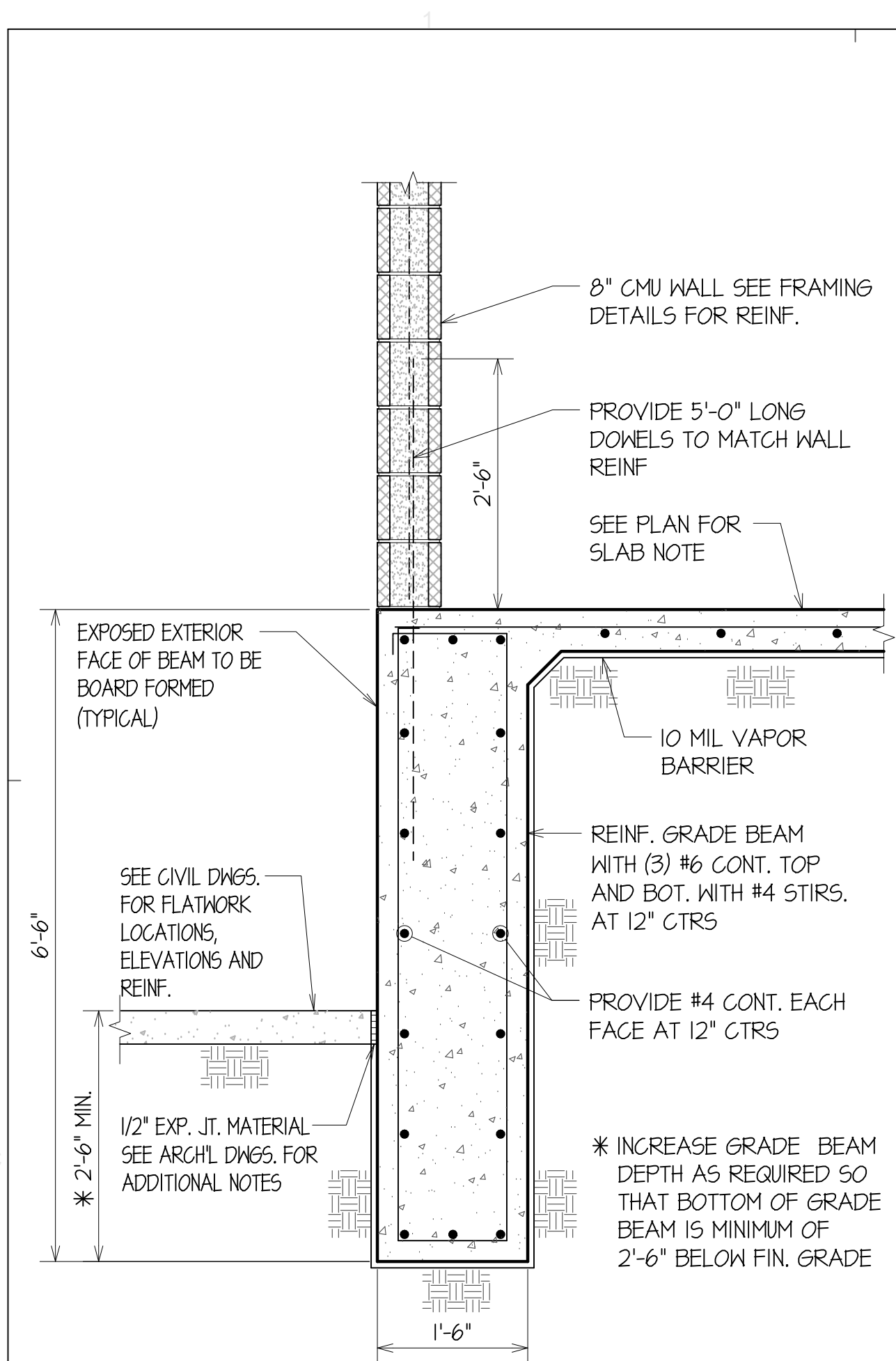
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MAY 15, 2025

21004

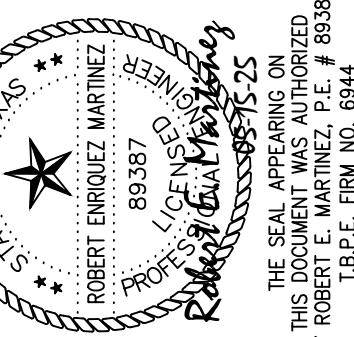
21004

21004



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T.B.P.E. FIRM NO. 6944
REM PROJECT NO. 24-225

Project Name: COPA-Lifeguard Headquarters Facility
Project Address: 303 Ninth Street
Port Aransas TX 78373 Nueces County
Date: MAY 15, 2025
Project No: 21004

Project Name:
COPA-Lifeguard
Headquarters
Facility

Project No:
21004

S2-1

FOUNDATION DETAILS

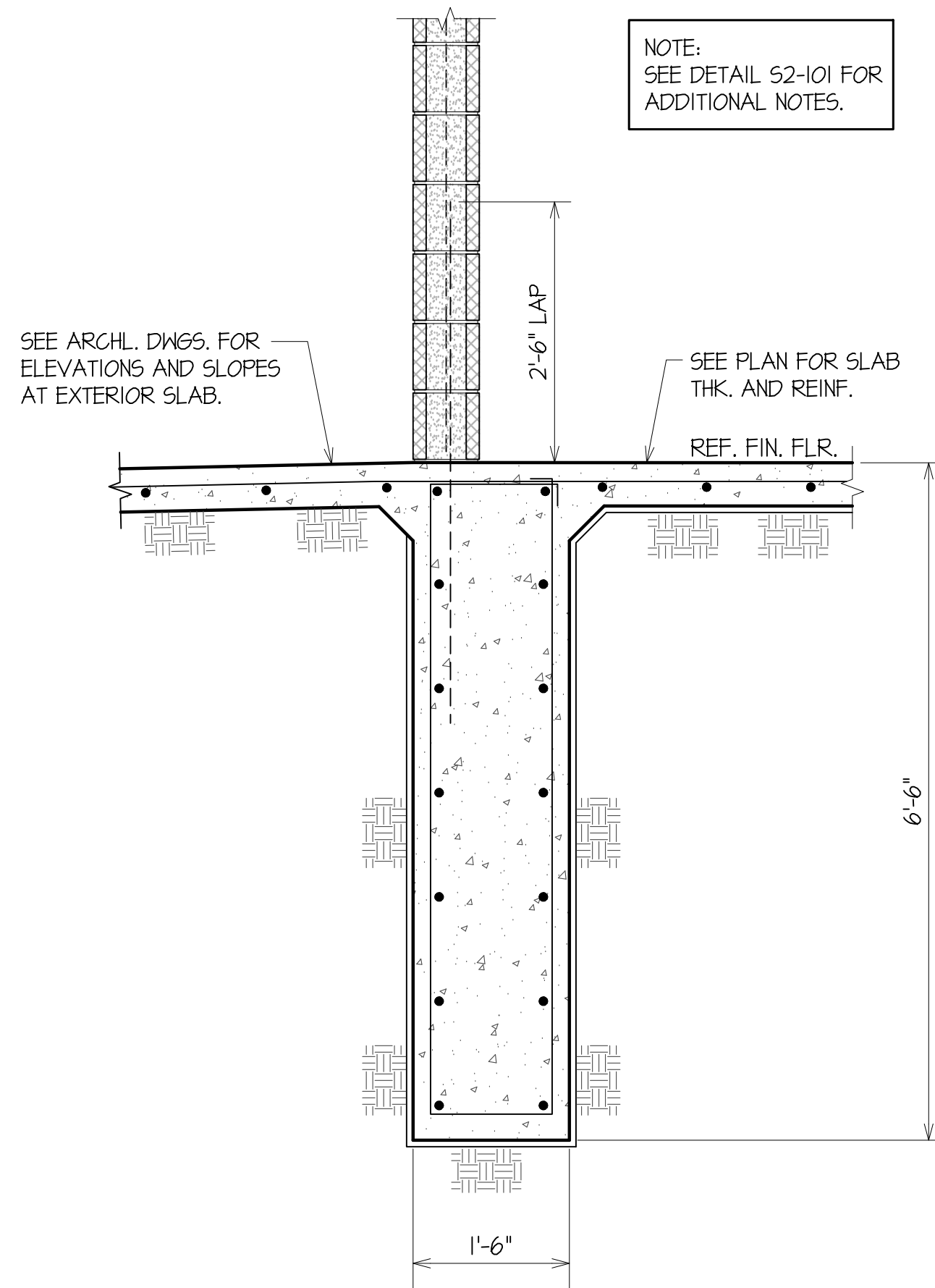
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Revision

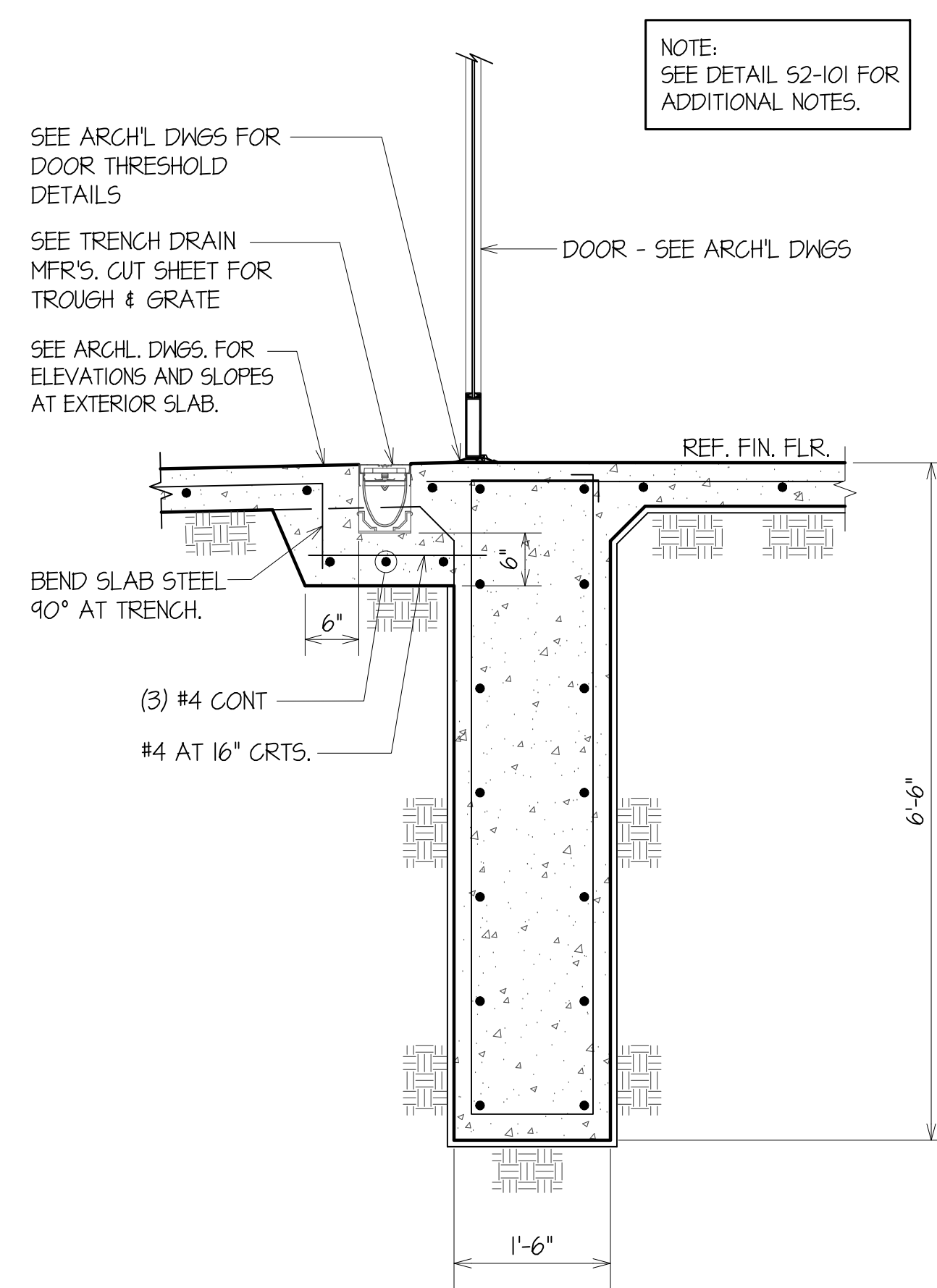
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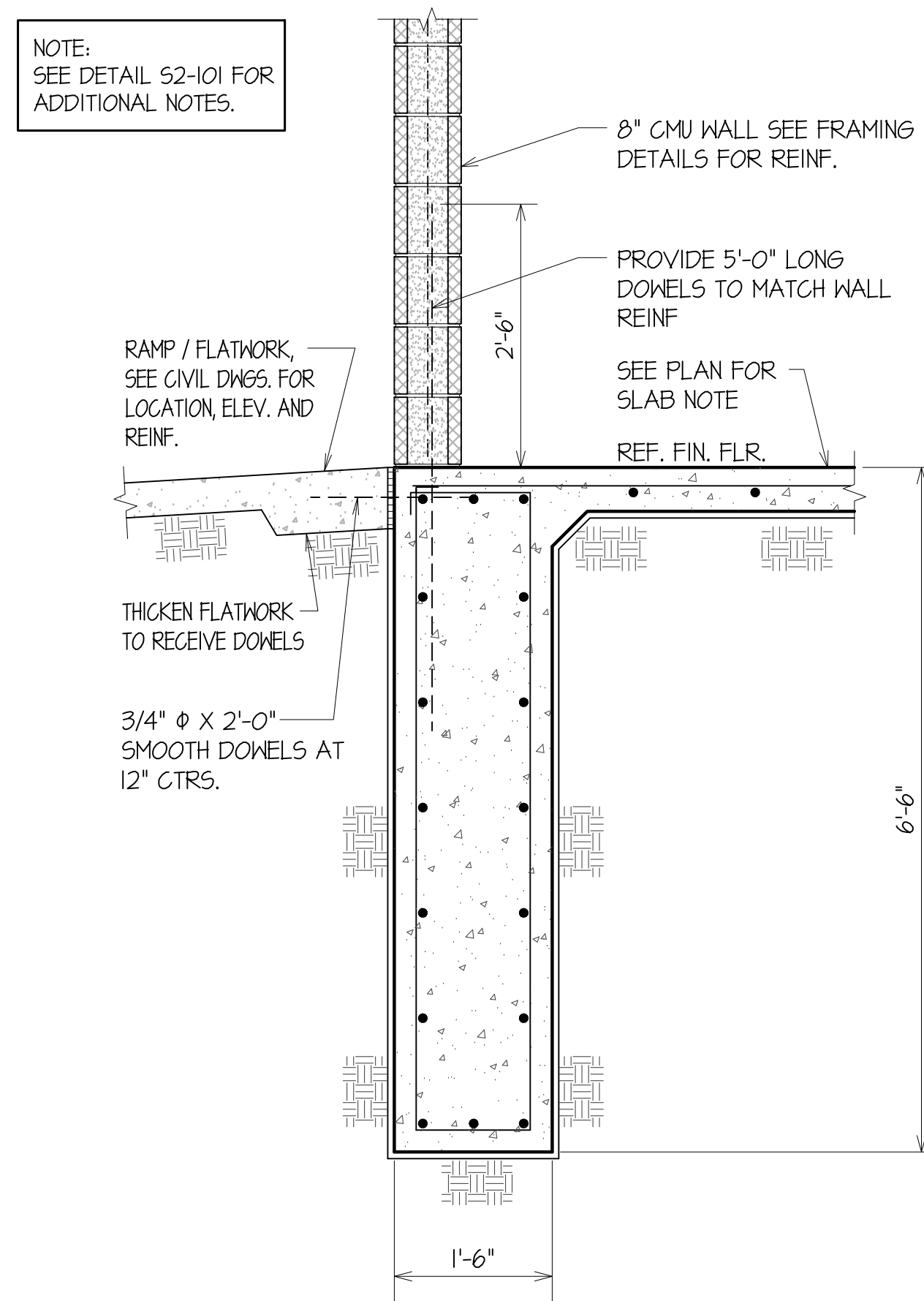
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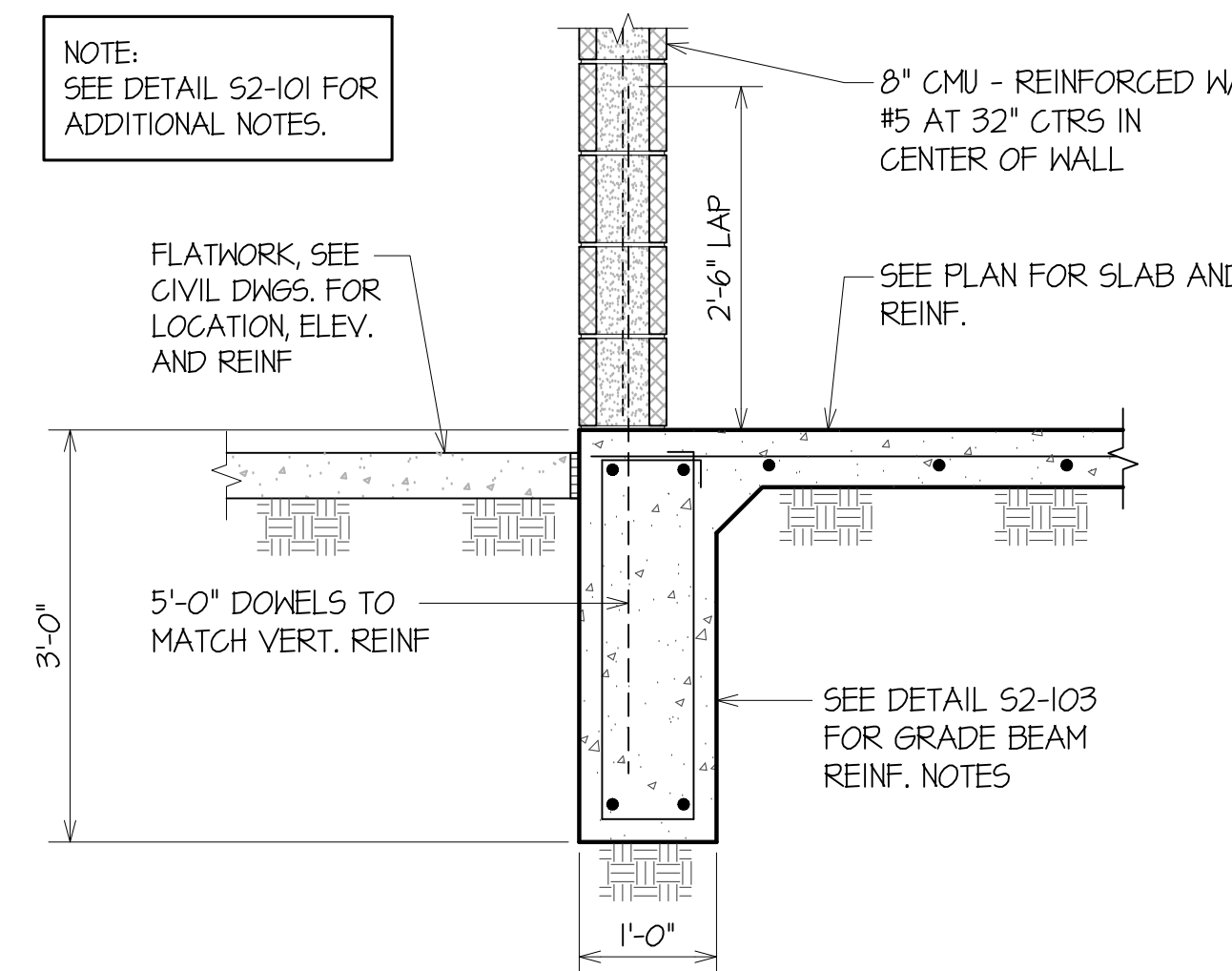
TYPICAL DETAIL AT SHOWER S2-201



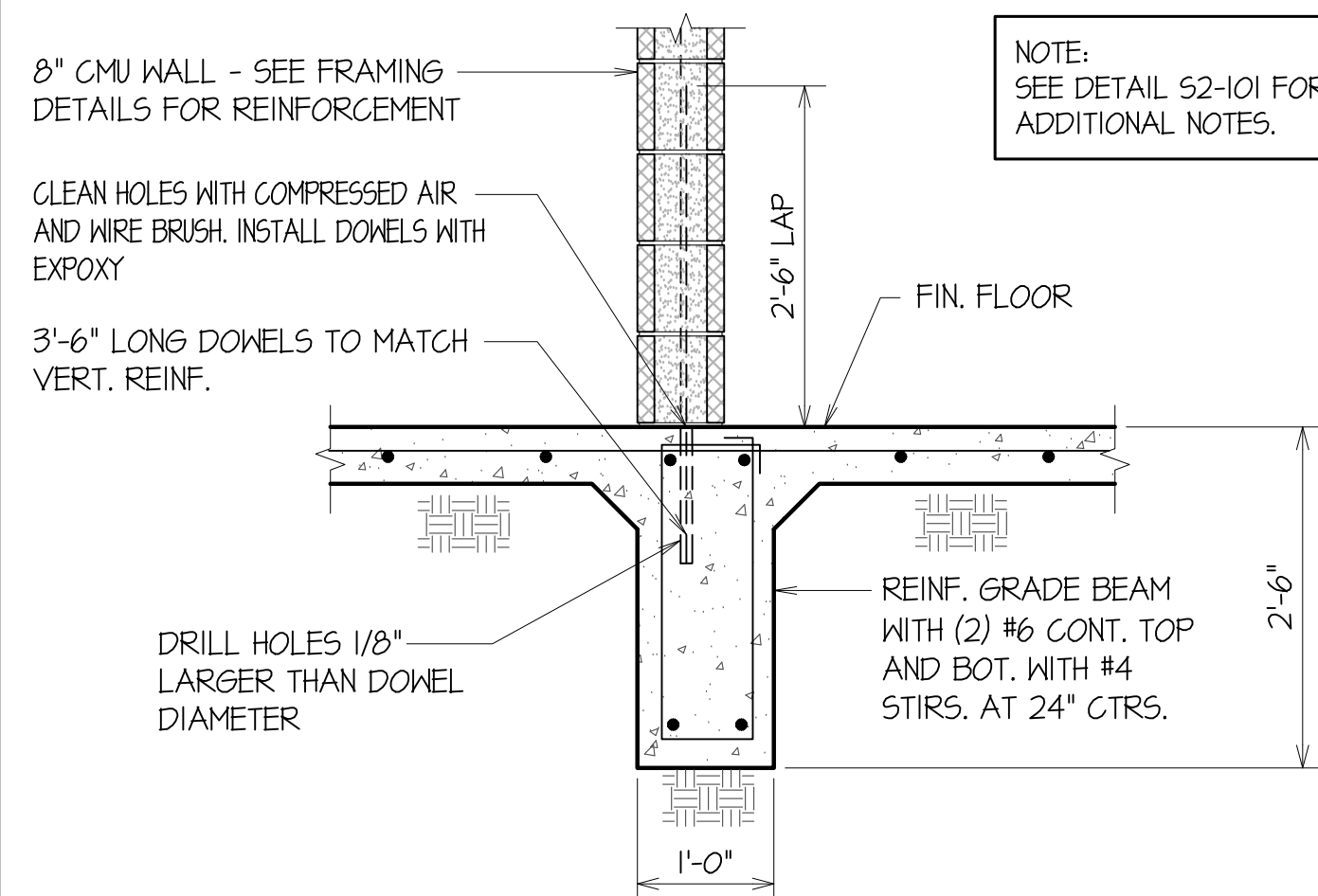
TYPICAL BEAM DETAIL AT REAR DOOR S2-202



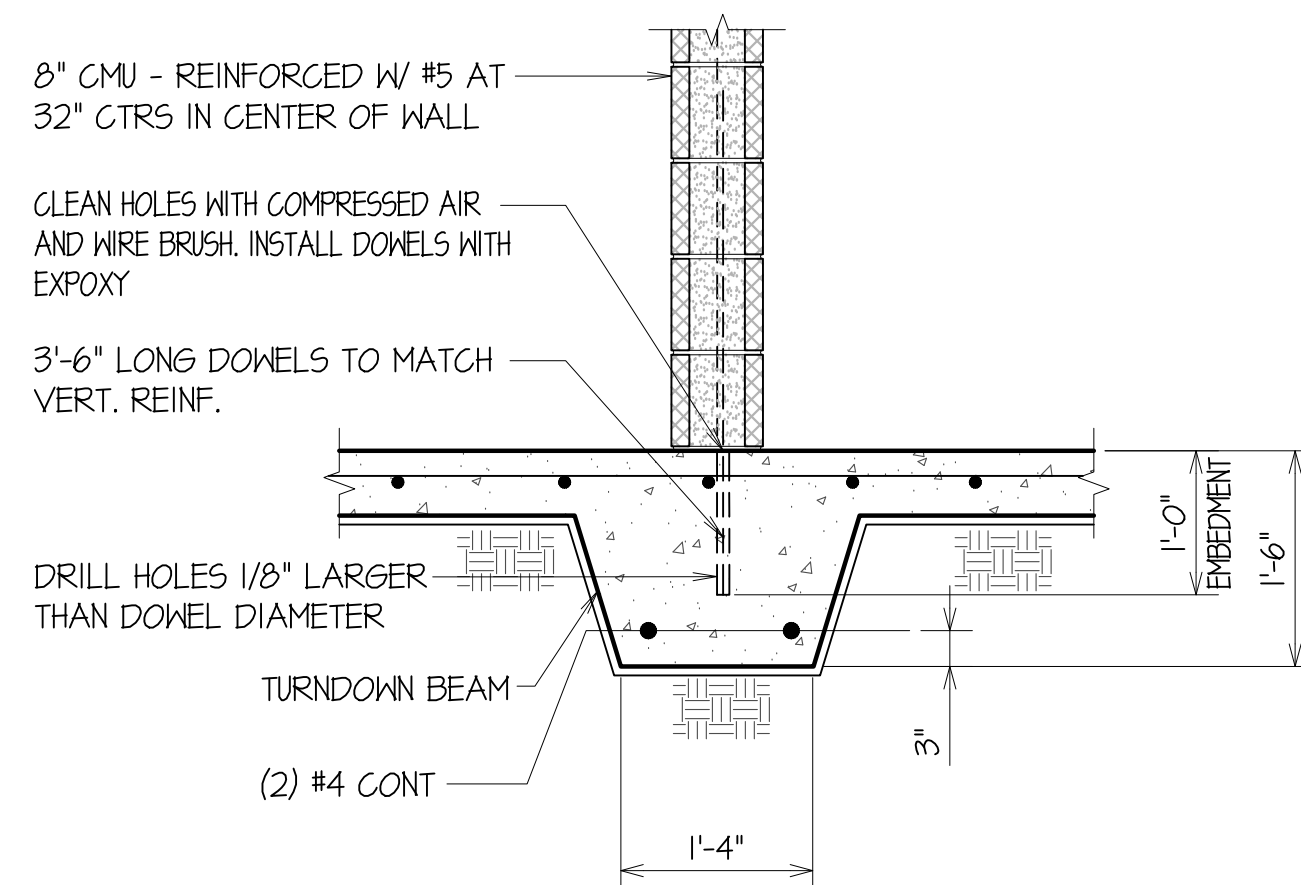
TYPICAL PERIMETER GRADE BEAM DETAIL S2-203



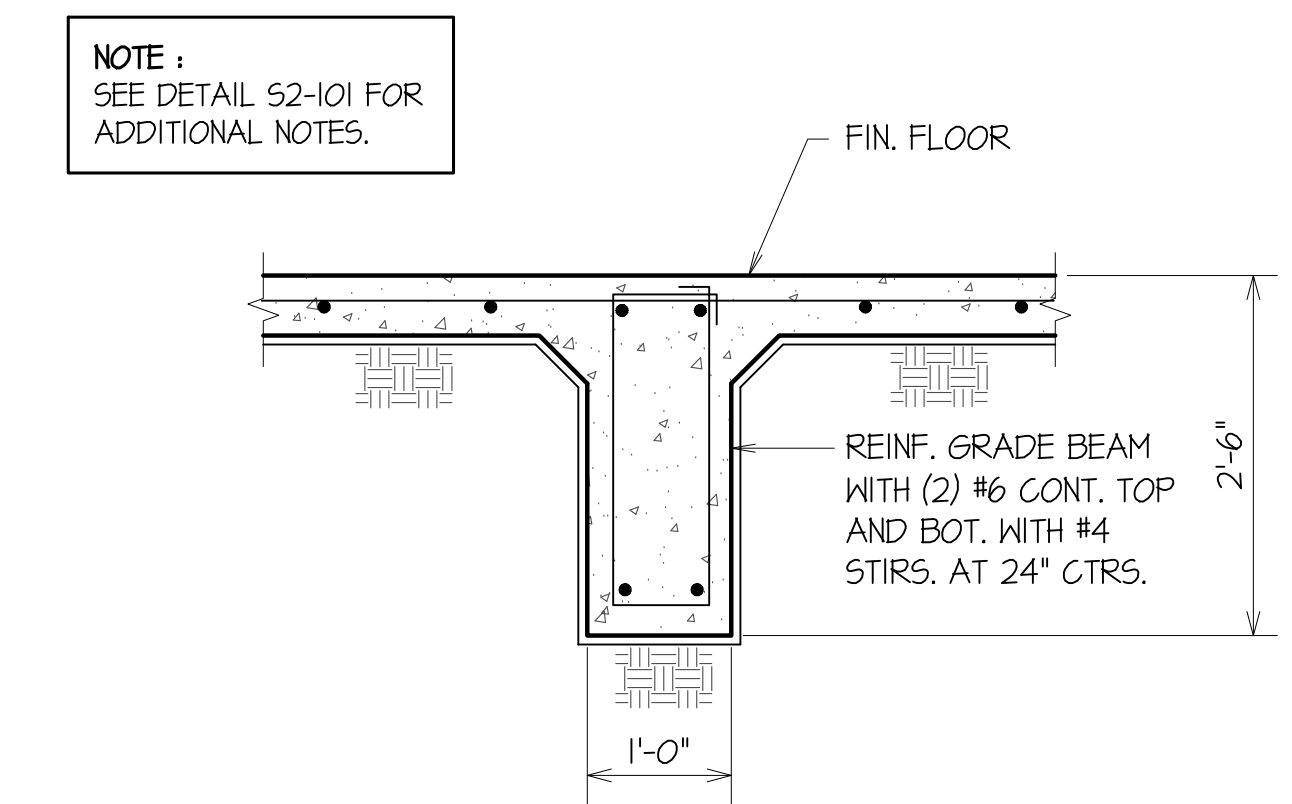
TYPICAL PERIMETER DETAIL AT EXTERIOR SHOWER S2-205



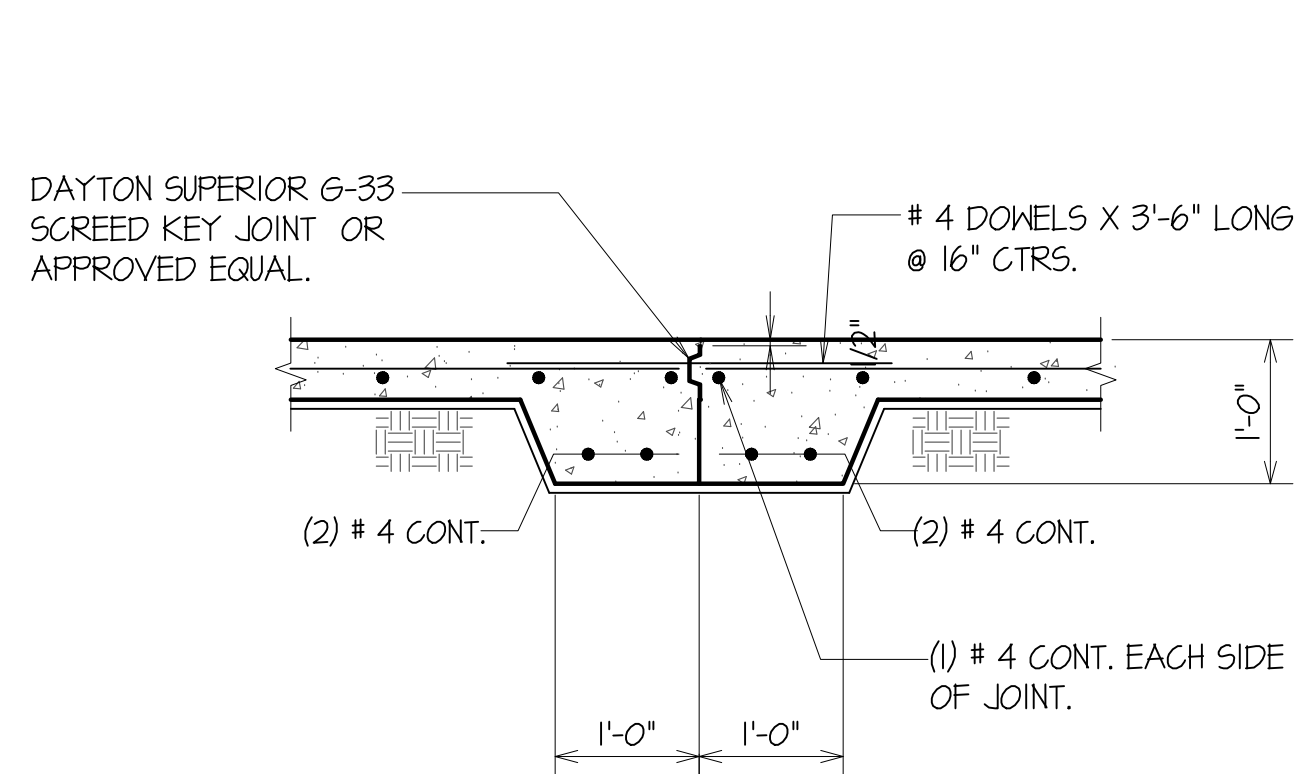
TYPICAL INTERIOR GRADE BEAM DETAIL AT CMU WALL S2-206



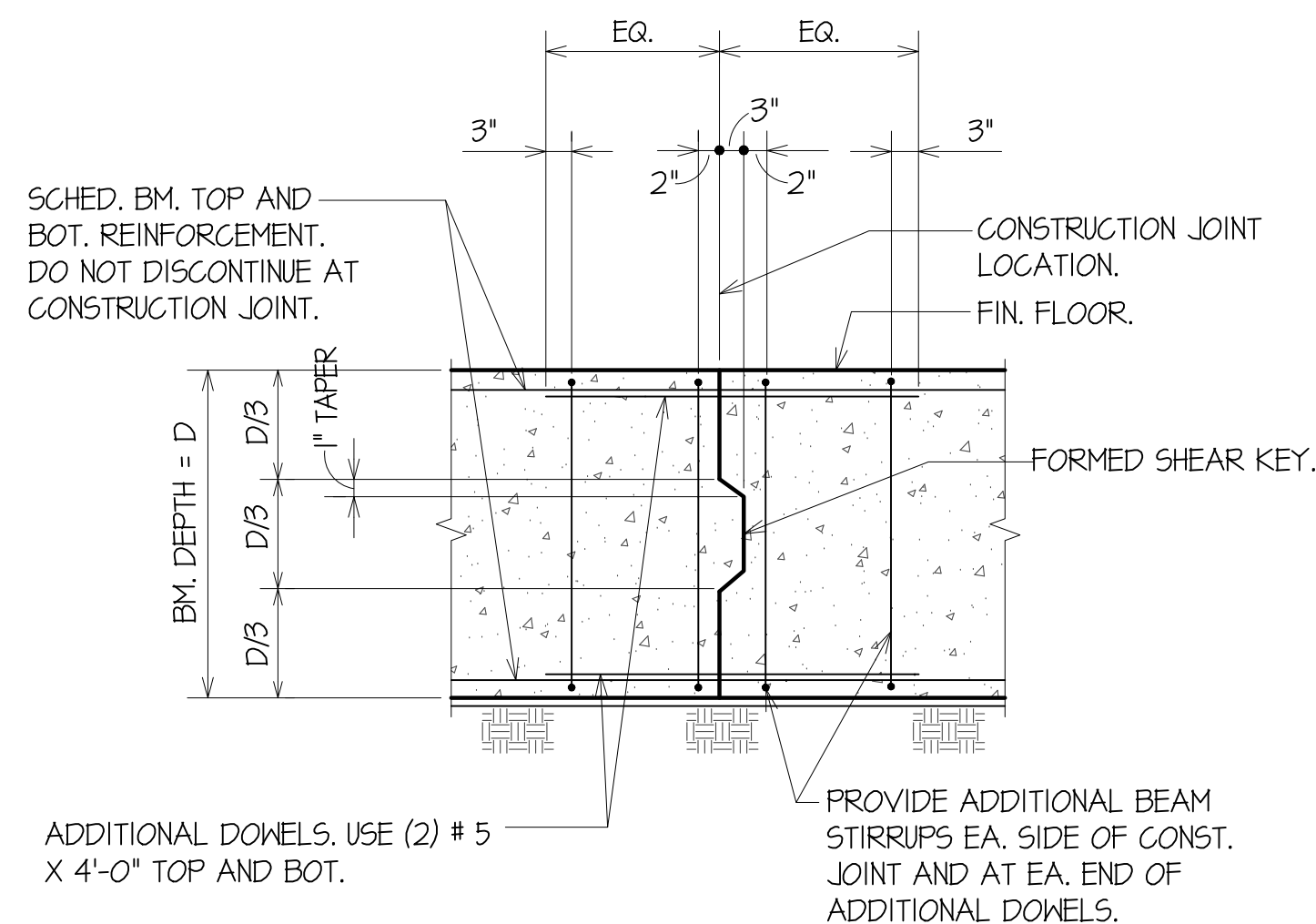
TYPICAL DETAIL AT CMU WALL S2-207



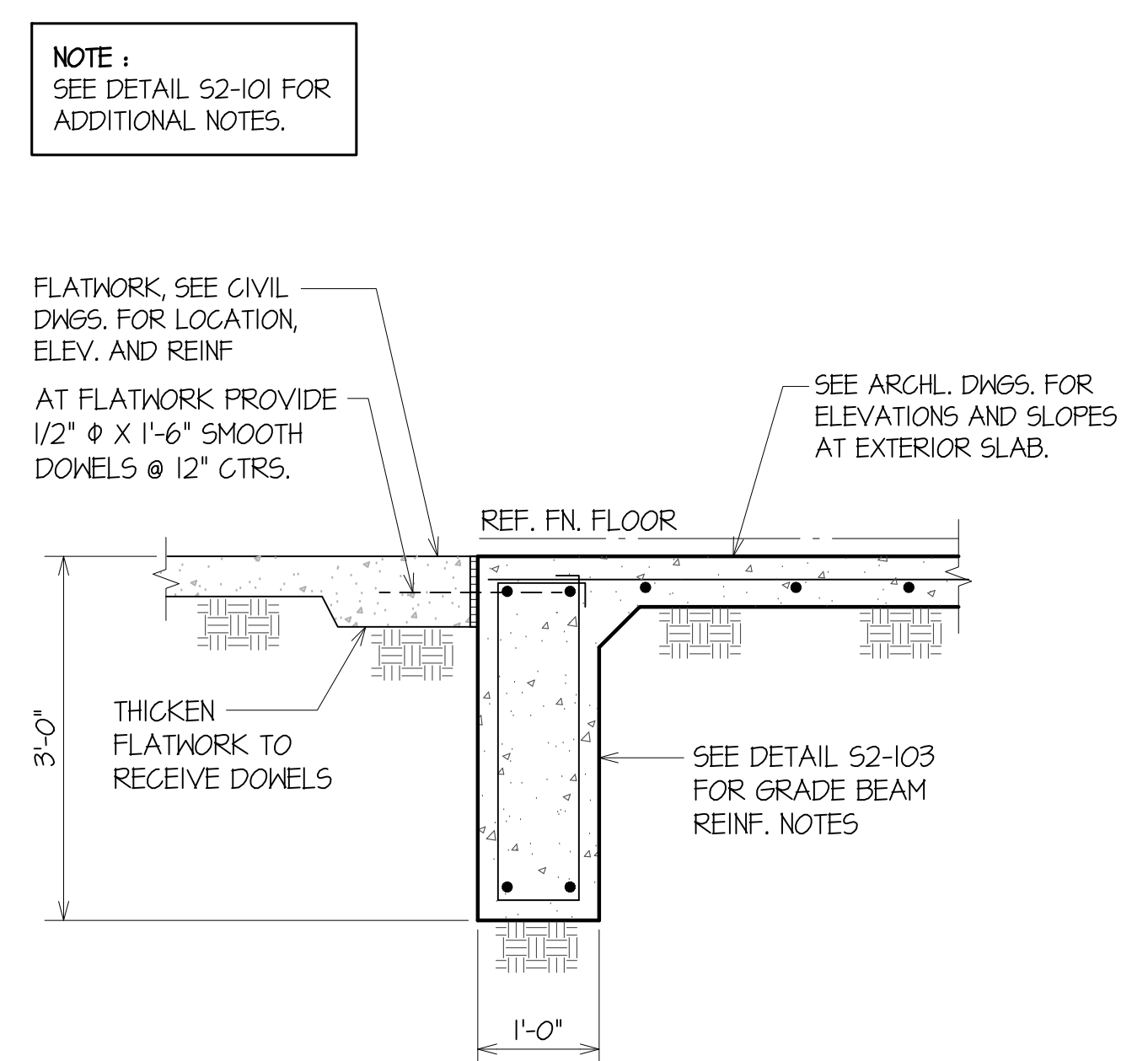
TYPICAL INTERIOR BEAM DETAIL S2-209



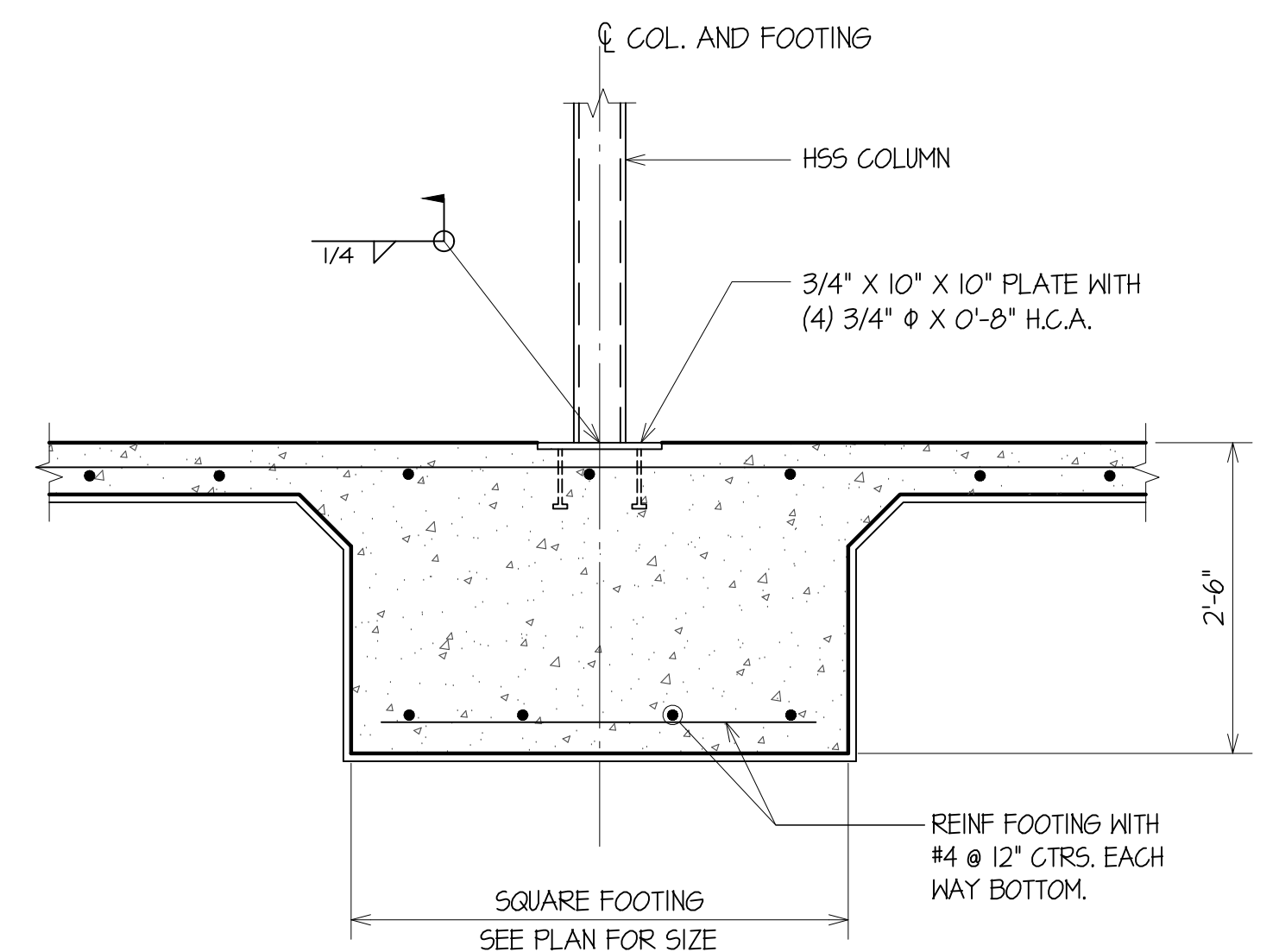
TYPICAL DETAIL CONSTRUCTION JOINT SLAB ON GRADE S2-210



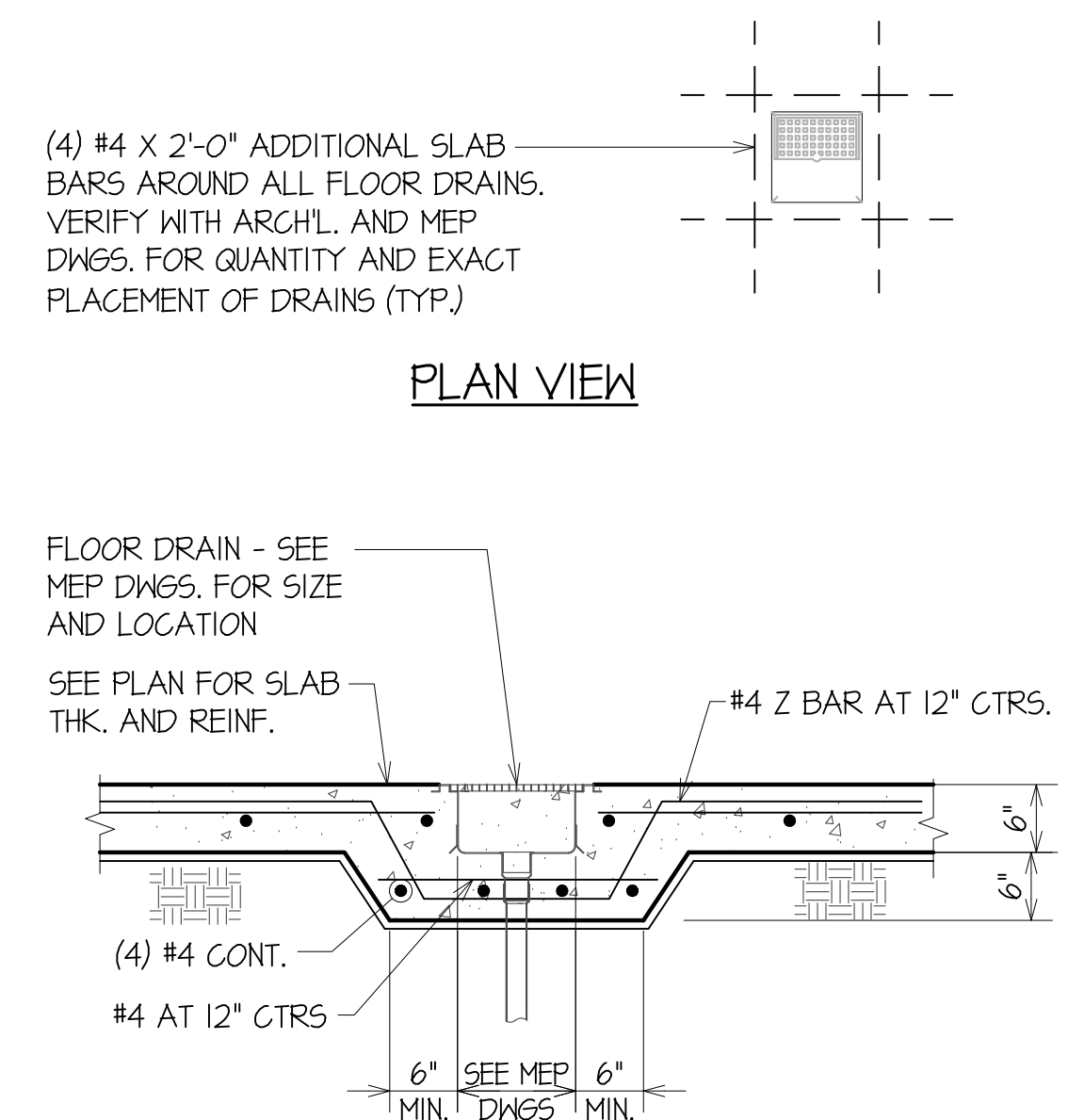
TYPICAL GRADE BEAM CONSTRUCTION JOINT DETAIL S2-211



TYPICAL BEAM DETAIL AT PERIMETER S2-204



TYPICAL FOOTING DETAIL AT COLUMN S2-208



TYPICAL DETAIL AT FLOOR DRAIN S2-212

Project Address:
303 Ninth Street
Port Aransas TX
78373 Nueces
County
Date:
MAY 15, 2025

Project Name:
COPA-Lifeguard
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Facility

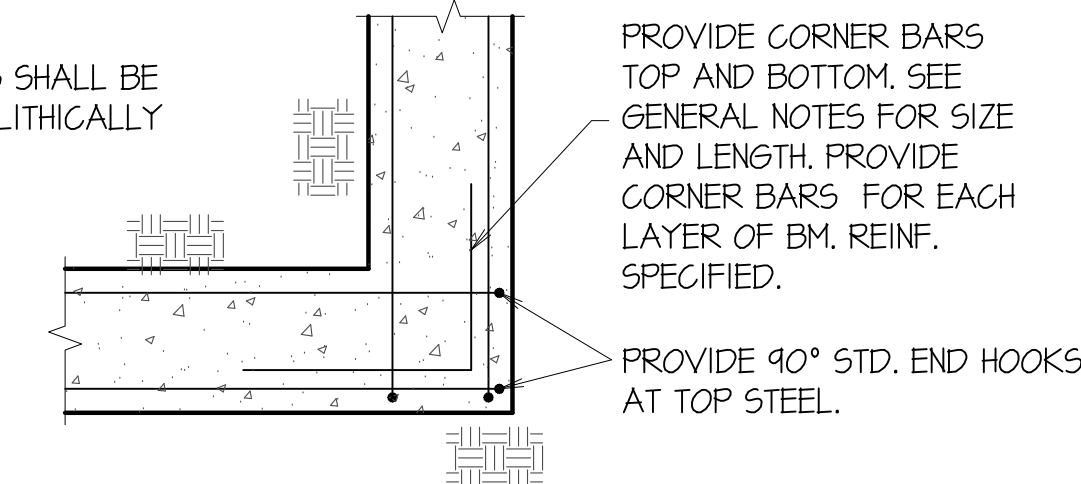
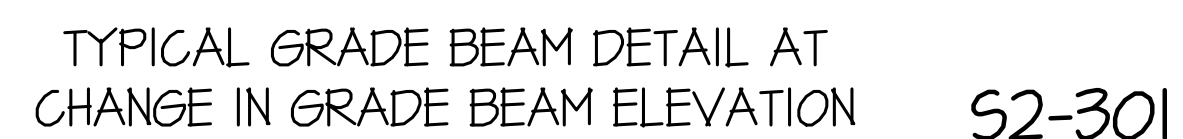
Project No:
21004

FOUNDATION DETAILS
S2-2

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T.E.P.E. FIRM NO. 6944
BY ROBERT ENRIQUEZ MARTINEZ
REM PROJECT NO. 24-225



TYPICAL DETAIL GRADE BM. REINF.
STEEL SPLICE AT CORNERS
(PLAN VIEW)

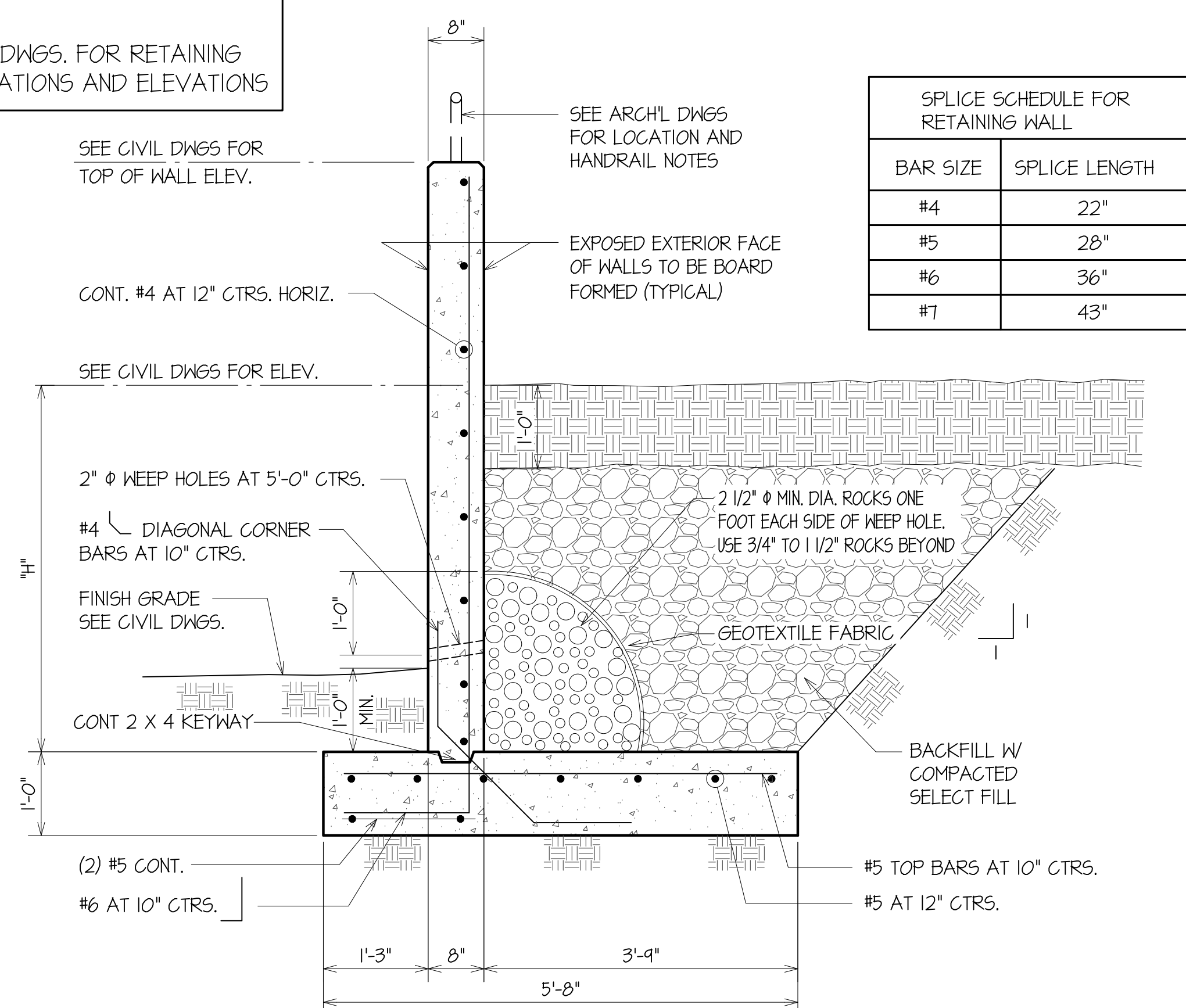


1. MAKE SAW CUT AS SOON AS SLAB IS ABLE TO SUPPORT WEIGHT OF WORKERS AND SAWING EQUIPMENT WITHOUT DAMAGE TO FINISH SURFACE OF SLAB.
2. CLEAN JOINT PRIOR TO FILLING THE JOINT.

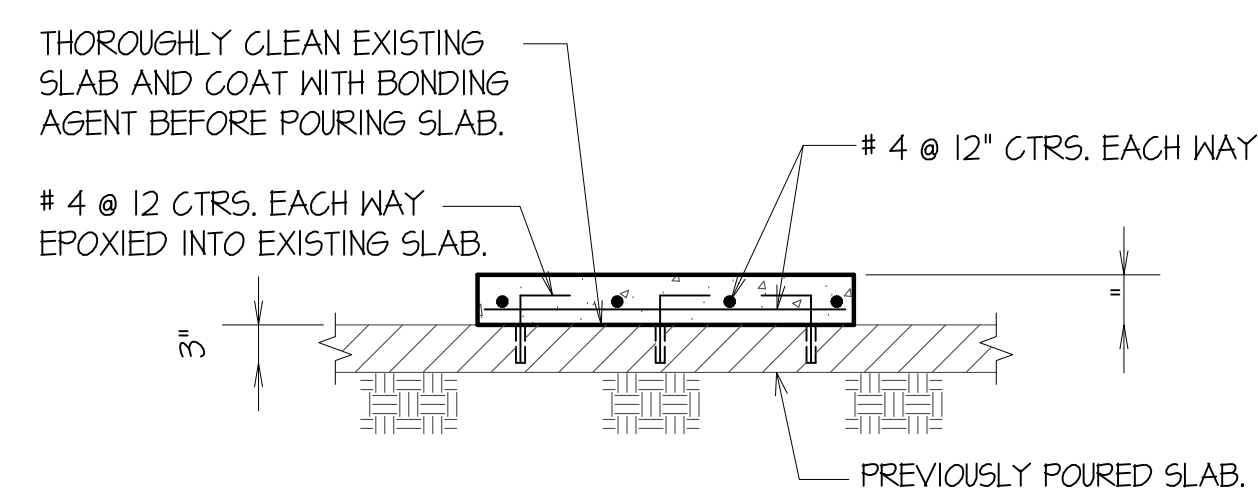
JOINT FILLER MATERIAL NOTES

1. FILLER MATERIAL USED SHALL HAVE A MINIMUM HARDNESS OF 35, AND SHALL CONFORM TO ASTM D2240. JOINT FILLER SHALL BE APPROVED BY ENGINEER PRIOR TO APPLICATION.
2. WHERE POSSIBLE, FILLER MATERIAL SHALL BE APPLIED WHEN BUILDING IS UNDER PERMANENT TEMPERATURE CONTROL. THIS SHALL BE EITHER AT THE END OF CONSTRUCTION OF THE COMPLETE BUILDING SHELL, OR A MINIMUM OF 90 DAYS AFTER COMPLETION OF CONSTRUCTION.
3. FOLLOW STRICTLY THE MANUFACTURERS RECOMMENDED PROCEDURES FOR APPLYING THE JOINT FILLER.

TYPICAL SAWED
SLAB CONTROL JOINT DETAIL

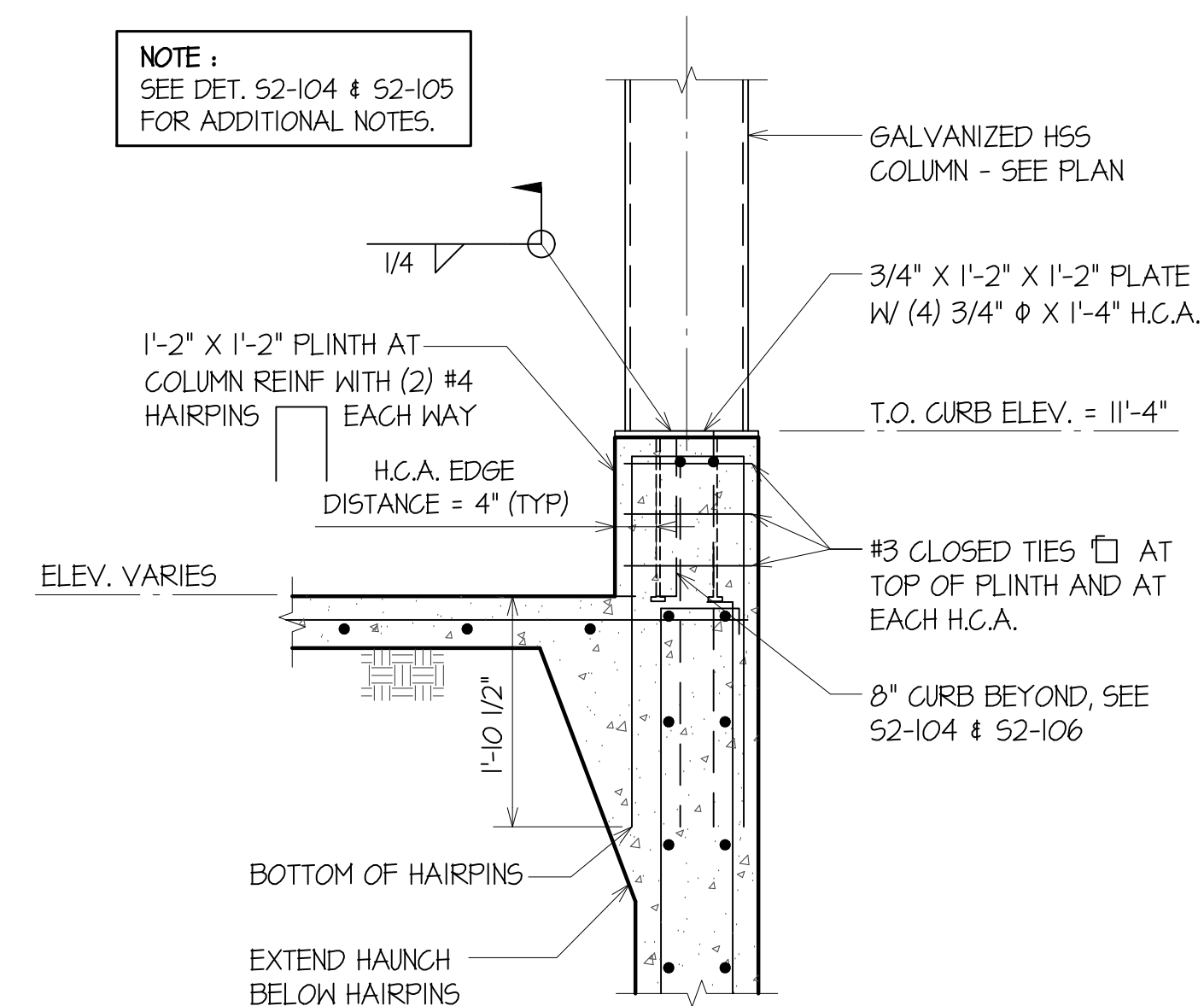


TYPICAL RETAINING WALL DETAIL FOR "H" = 5'-0" MAX S2-305



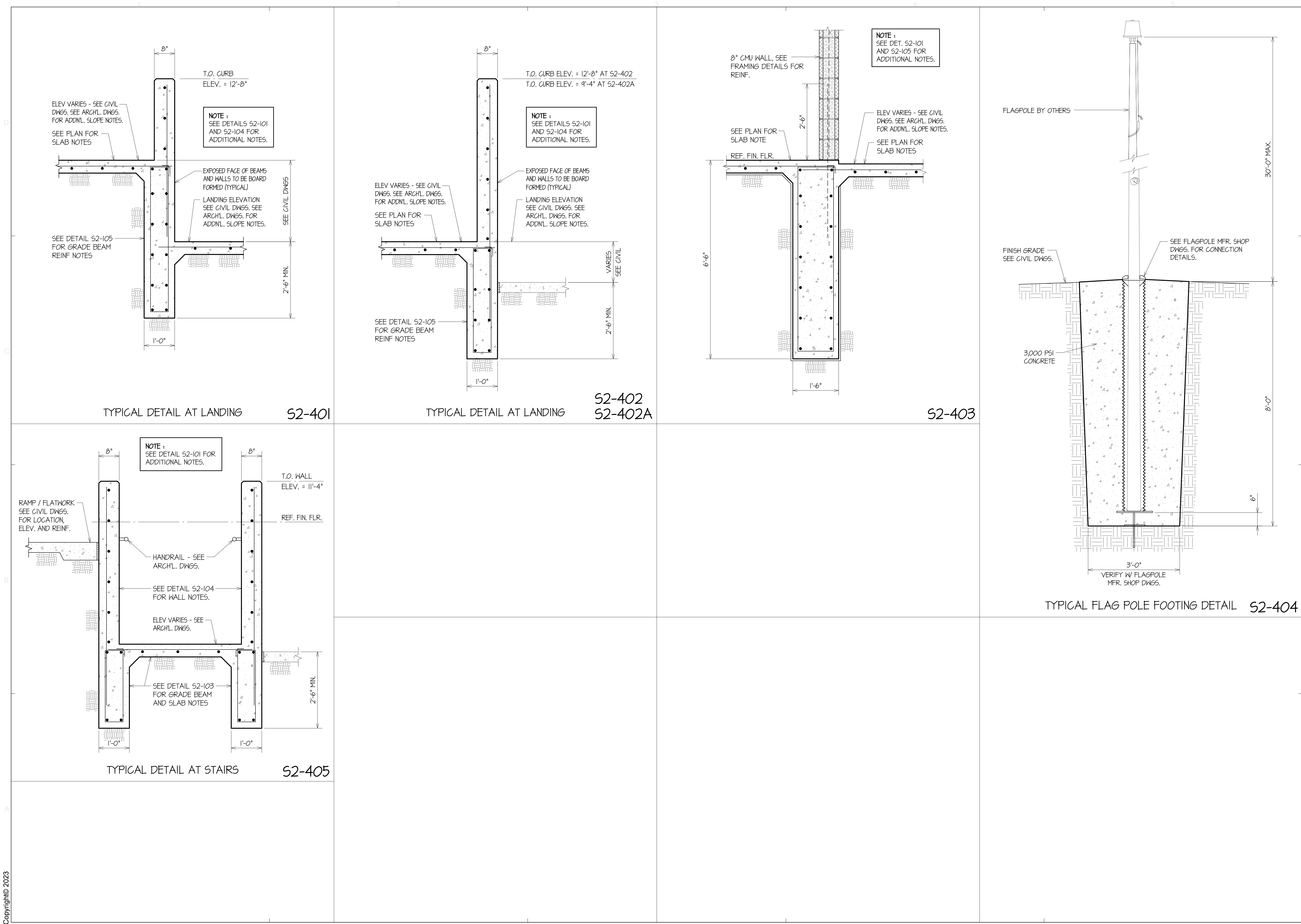
- NOTE :
SEE MECHL. AND ARCHL. DRAWINGS FOR SIZE
AND LOCATION OF HOUSE KEEPING PADS.

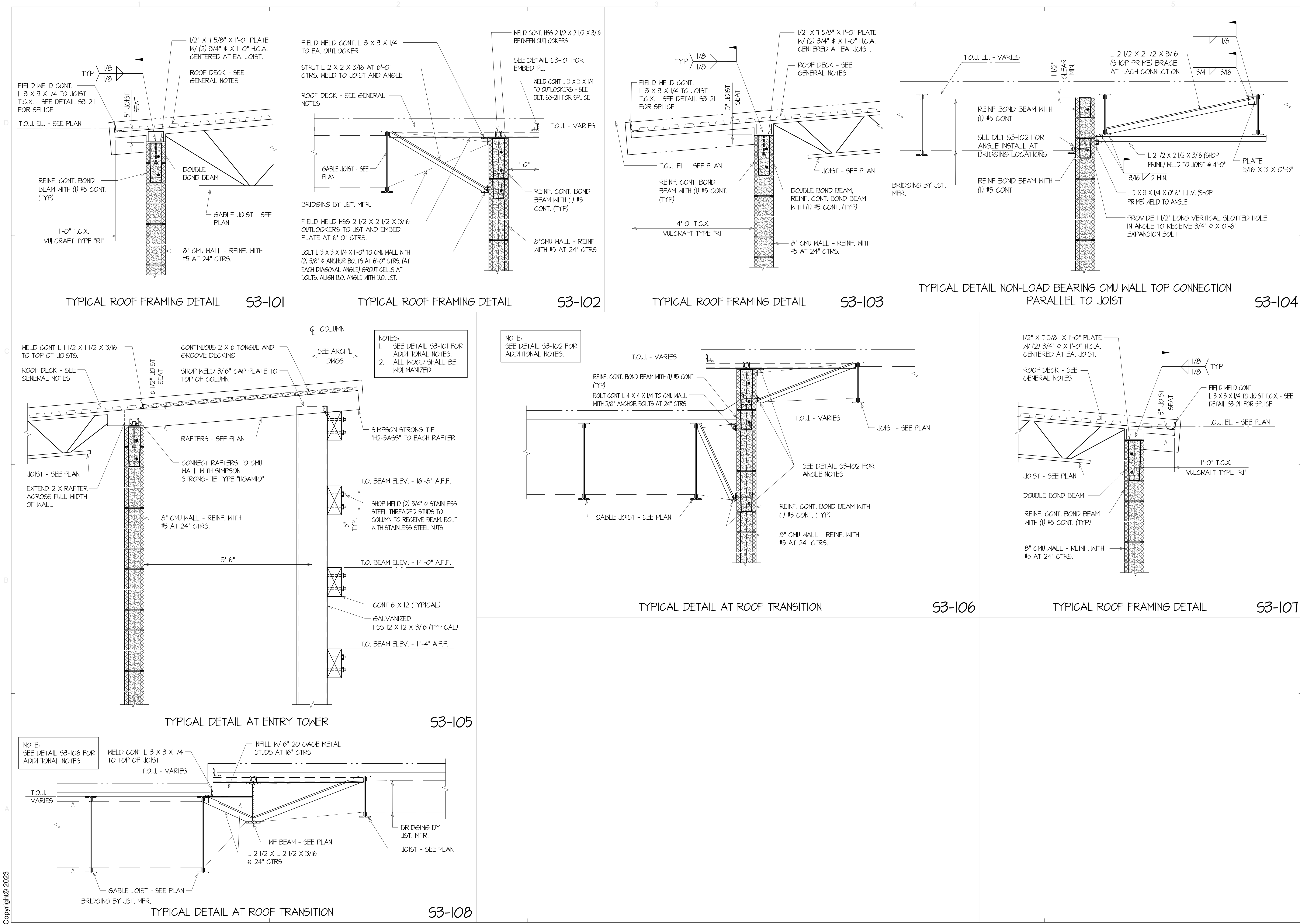
TYPICAL HOUSE KEEPING PAD DETAIL S2-306

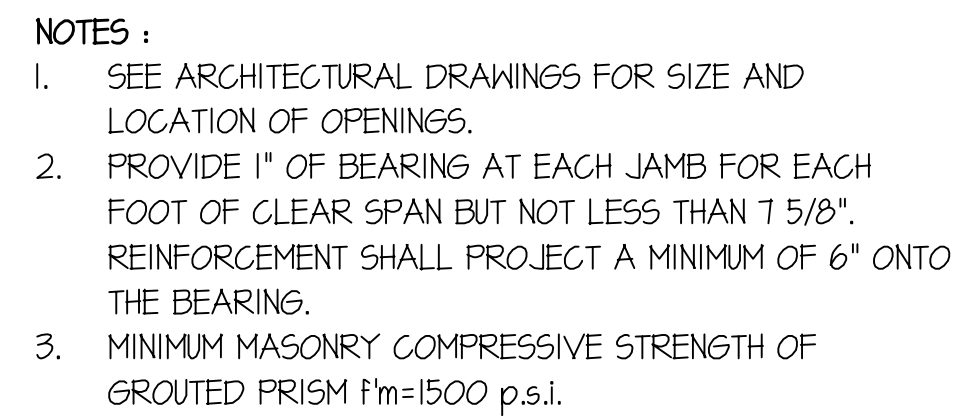


TYPICAL DETAIL AT PORCH COLUMN S2-307









CONT. BOND BEAMS @ 48"

CONT. VERT. SPACING REINF. WITH (I) # 4 CONT.

SEE DETAILS FOR VERT. REINF.

4'-0"

4'-0"

4'-0"

NOTE :
PROVIDE BOND BEAMS @ 4'-0" CTRS. VERT. SPACING AT ALL
REINFORCED CMU WALLS FOR FULL HEIGHT OF WALL.

MAX. HEIGHT OF GROUT POUR IS 5'-0"

AFTER LOWER SECTION IS GROUTED, NEXT 5'-0" OF WALL MAY BE CONSTRUCTED AND GROUTED.

4 CONT. @ 48" CTRS. IN OPEN BOND BEAM.

LAP BARS 50 BAR DIAMETERS.

1 1/2" SHEAR KEY

1 1/2" MIN. OVER HORIZONTAL STEEL.

RECONSOLIDATE THE GROUT AFTER ALLOWING THE EXCESS WATER TO BE ABSORBED BY THE MASONRY UNITS.

CLEANOUTS NOT REQUIRED SINCE GROUT POUR HEIGHT IS 5'-0" OR LESS.

NOTE : HEIGHT OF GROUT POUR SHALL NOT EXCEED 5'-0". CONSOLIDATE ALL GROUT WITH VIBRATOR.

LAP BARS 50 BAR DIAMETERS.

NOTE :
HEIGHT OF GROUT POUR SHALL
NOT EXCEED 5'-0". CONSOLIDATE
ALL GROUT WITH VIBRATOR.

LAP BARS 50 BAR
DIAMETERS.

STEEL.

RECONSOLIDATE THE GROUT AFTER ALLOWING THE EXCESS WATER TO BE ABSORBED BY THE MASONRY UNITS.

CLEANOUTS NOT REQUIRED
SINCE GROUT POUR HEIGHT
IS 5'-0" OR LESS.

(1) # 5 VERT. EA. CELL

FILL SOLID WITH CAULKING.

PROVIDE VERT. REINFORCED CELL ON EA. SIDE OF EXPAN. JOINT.

1/2" CLEAR EXPAN. JOINT.

NOTE :
PROVIDE EXPAN. JOINTS @
20'-0" MAX. CTRS. AND AT
ALL INTERSECTIONS OF WALLS.

— PROVIDE VERT. REINFORCED CELL ON EA. SIDE OF EXPAN. JOINT.

— 1/2" CLEAR EXPAN. JOINT.

NOTE :
PROVIDE EXPAN. JOINTS @
20'-0" MAX. CTRS. AND AT
ALL INTERSECTIONS OF WALLS.

WALL OPENING

END OF WALL.

CORNER OF WALL.

(1) # 5 VERT. IN CELL (TYP.)
PROVIDE MATCHING 5'-0" LONG
DOWELS TO FOUNDATION. FILL ALL
CELLS WITH 2,000 P.S.I. GROUT.

PROVIDE WIRE
REBAR LOCATORS
AT ALL REINFORCED
CELLS.

C.M.U.

Technical drawing illustrating the reinforcement details for a beam lap joint. The drawing shows a cross-section of a beam with reinforcement bars (rebar) and a concrete core. The following details are labeled:

- 2'-0" BOND BEAM LAP (MIN.)**: Dimension indicating the minimum length of the beam lap joint.
- BOND BEAM REINF.**: Label pointing to the reinforcement bars within the beam.
- LAP 4# BAR ϕ (2'-6" MIN.)**: Dimension indicating the minimum length of the lap joint for 4 bars of diameter ϕ .
- "2" BAR TO MATCH BOND BEAM REINF.**: Label pointing to the reinforcement bars within the beam.

NOTES:

1. WHEN "X" IS LESS THAN 3", DIAGONAL BRACE ANGLES NOT REQUIRED.
2. THIS DETAIL APPLIES TO ALL CONCENTRATED LOADS GREATER THAN 50lbs WHICH OCCUR BETWEEN PANEL POINTS.

Technical drawing of a roof truss system. The drawing shows a perspective view of the truss structure with various dimensions and component specifications.

Dimensions and Specifications:

- $L \ 3 \times 3 \times 3/8$ FOR "5"
 $< = 4'-0"$.
- $L \ 5 \times 3 \times 3/8$ (LLV) FOR
 $4'-0" < "5" < = 6'-6"$
- $L \ 3 \times 3 \times 3/8$ FOR "1"
 $< = 4'-0"$.
- $L \ 5 \times 3 \times 3/8$ (LLV) FOR
 $4'-0" < "1" < = 6'-6"$
- SHOP WELD $L \ 5 \times 5 \times 3/8$ X $0'-8"$
 TO END OF HORIZ. ANGLE.
- JOIST TOP CHORD.

SECTION A

NOTE:
REFER TO ENGINEER FOR OPENINGS LARGER THAN 6'-6".

SHOP WELD
REF. GENERAL
NOTES.

SHEAR PLATES TO DEVELOP
BEAM REACTION.

HSS COLUMN

BOLTED CONNECTION REF.
GENERAL NOTES. (3/4" Ø
BOLTS AT 3" CTRS. FOR
FULL DEPTH OF BM. MIN.)

8" CMU - SEE
DETAIL 53-101

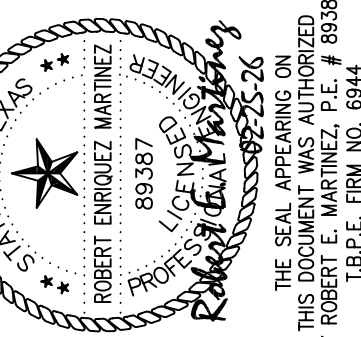
GALVANIZED C B X 11.5
JAMB AT OVERHEAD DOORS

SHOP WELD 1/2" ϕ X 6"-
HCA AT 16" CTR.

PLAN VIEW

NOTE :
THIS DETAIL APPLIES TO ALL MITERED DECK EDGE ANGLES ON THE ENTIRE PROJECT.

EDR
architects



RTM **ENGINEERING**
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SAN ANTONIO, TX 78213
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T.B.P.E. FIRM NO. 6944
REM PROJECT NO. 24-225

Revision

Project Address:
303 Ninth Street
Port Aransas TX
78373 Nueces
County
Date:
MAY 15, 2025

Project Name:
COPA-Lifeguard
Headquarters
Facility

Project No:
21004

S3-2

FRAMING DETAILS

GENERAL NOTES

GENERAL

- GC-1 The contract structural documents represent the finished structure, and, except where specifically shown, do not indicate the method or means of construction. The Contractor shall supervise and direct the work and shall be solely responsible for all construction means, methods, procedures, techniques, and sequence.
- GC-2 The structure has been designed to resist design loads only as a completed structure. Applications of construction loads to the partially completed structure shall be considered by the Contractor and so included in the design of shoring, bracing, formwork, and any other supporting elements provided for construction of the structure. During erection and until all permanent connections are made, the Contractor must provide temporary bracing to brace the structure in all directions.
- GC-3 The Engineer shall not have control or charge of, and shall not be responsible for, construction means, methods techniques, sequences, or procedures for safety precautions and programs in connection with the work, for the acts or omission of the Contractor, Subcontractor, or any other persons performing any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents.
- GC-4 General Contractor shall check and verify all dimensions, grade conditions, (both new and existing) reporting any discrepancies to the Engineer before proceeding with any phase of the work as the Contractor will be responsible for all work fitting as intended by the construction documents.

STRUCTURAL DESIGN CRITERIA

- SD-1 A. Live loads:
- 1. Roof - 20 PSF (Reduced in accordance with IBC 1607.13.2.1)
 - 2. Offices - 50 PSF
 - 3. Public Areas - 100 PSF (Non-Reduceable)
 - 4. Mechanical Rooms - 125 PSF (Non-Reduceable)
 - 5. Storage Rooms - 125 PSF (Non-Reduceable)
 - 6. Combinations in accordance with IBC 1605.3.1
- B. Wind loads - ASCE 7-16 (IBC 1609.1)
- Ultimate Design Wind Speed (MPH) 163 (Vult)
- Exposure classification C
- Risk Category IV (IBC Table 1604.5)
- C. Ground Snow Load 0 PSF
- D. Seismic Design Category A
- SD-2 Future Loads: Unless specifically noted, there are no provisions made for future floors, roofs, or other loads.
- SD-3 Applicable codes:
- A. 2018 International Building Code
 - B. ASCE 7-16
 - C. ACI 318-14
 - D. AISI Fourteenth Edition 2011
 - E. AWS D.1.1

GEOTECHNICAL REPORT

- GR-1 Foundation design is based on the geotechnical investigation report by Rock Engineering and Testing Laboraroty, Inc. dated June 27, 2019. (RETL Report Number: G119192)
- GR-2 The soil report is available to the General Contractor upon request to the Architect. The information included therein may be used by the General Contractor for his general information only.

SUBGRADE AND UNDERFLOOR FILL PREPARATION AT SLAB-ON-GRADE FOUNDATIONS

- UF-1 The subgrade and underfloor fill shall be prepared to a point that extends 5'-0" minimum beyond the limits of the building foundation. Increase this width as needed to include all sidewalks/flatwork directly adjacent to the building foundation. Refer to the geotechnical report for the preparation of the subgrade soils beneath the flatwork/sidewalks beyond this width.
- UF-2 The subgrade and underfloor fill shall be prepared in accordance with the geotechnical report recommendations provided by Rock Engineering. The subgrade and select fill pad shall be tested, inspected, and approved by the Testing Lab in wrtling prior to placing concrete. The subgrade preparation shall improve subgrade performance to limit the PVR to 1" or less.
- Minimum requirements are as follows:
- A. Remove fill, vegetation, debris, existing foundations and all loose or organic materials completely to a minimum depth of 6-inches. Remove additional material as needed so that a minimum one and a half (1 ½) foot depth of compacted select fill can be installed beneath the bottom of slab elevation. Final depth of removal to be determined in the field by the Testing Lab.
- B. Following the removal of the surficial materials, the upper one (1) foot of exposed subgrade soils shall be moisture conditioned and recompacted to a minimum density of 95-percent of the maximum dry density determined by the Standard Proctor Test (ASTM D698) and the moisture content shall be maintained at or above the optimum moisture content. Any soft soils identified shall be removed and recompacted in place.
- C. The building pad shall be brought to finished grade elevation (See Grading Plan) with compacted select fill material. Refer to the Grading Plan for the existing and finished grade elevations. The select fill shall be installed in no greater than 8-inch thick loose lifts and compacted to a minimum density of 95-percent of the maximum dry density as determined by the Standard Proctor Test (ASTM D698) and at or above the optimum moisture content.
- The select fill pad shall be installed in such a manner to provide a uniform fill pad thickness supporting the building.
- D. Imported select fill material shall be homogenous, free from organics and other deleterious materials and shall have a maximum liquid limit of 40-percent and a Plasticity Index (PI) between 7 and 18. The select fill soils shall have a minimum 35-percent passing the #200 sieve and no soil particles exceeding 1 1/2 inches will be permitted.
- E. Refer to the Rock Engineering report for testing requirements and frequency.

- UF-3 Perform all earthwork before trenching for grade beams or mechanical lines.
- UF-4 Maintain subgrade and the fill at optimum insitu moisture content after completion of structural fill placement. This may include drying or wetting processes depending on the introduction or evaporation of moisture due to the weather and construction condition. The Testing Lab shall make a final site visit no sooner than two days prior to the concrete pour in order to verify and approve the select fill pad condition including moisture content to be fit and in accordance with the contract documents, prior to pour. Contractor shall make all corrective work required to improve the subgrade and structural fill areas which are not acceptable to the Testing Lab prior to placement of concrete.
- UF-5 The finish grading around the building shall be graded to ensure adequate drainage of surface water away from the building. All air conditioning condensate lines and roof gutter downspouts shall be directed to discharge a minimum of ten (10) feet away from the foundation for further removal from the site.
- UF-6 Trenching of grade beams shall be excavated in order to provide the beam cross sections indicated. Beam and slab depths and widths as indicated are minimum acceptable sizes. Larger size beams and slabs formed by less accurate trenching may require additional reinforcing (not shown) which shall be determined by the Engineer during construction review. All loose soil from sides and bottoms of trenches shall be removed. If a toothed bucket is used, excavation with this bucket shall stop six (6) inches above final grade and the excavation completed with a smooth-bucket or by hand labor.
- UF-7 Drain exposed grade beams during construction in the event of inclement weather.

CONCRETE/REINFORCING:

- CR-1 All concrete shall test 3000 PSI at 28 days and shall be in accordance with ACI 301. Flyash shall not exceed 20 percent.
- CR-2 There shall be no horizontal construction joints in concrete pours except where shown on details. All construction joints shall be made in the center of spans with vertical bulkheads. The location of construction joints shall be as shown on the drawings.
- CR-3 Bar support accessories shall be provided in accordance with the latest ACI manual of standard practice for detailing reinforced concrete structures, except that reinforcing shall be supported on bolsters spaced not more than 4 feet on center. Bar supports for concrete exposed to view shall have plastic coated legs or be hot dip galvanized after fabrication. Bar supports for concrete with a sandblast finish shall have stainless steel bar supports. Do not use half bricks for bar supports.
- CR-4 Mechanical and electrical conduit in slabs shall run under top layer of slab reinforcing. Provide a minimum of 1-1/2" clear between conduits and between reinforcing and adjacent conduits parallel to reinforcing. Excavate subgrade and recess conduits as needed to maintain slab thickness and achieve necessary clearances.
- CR-5 Where shown on the details, HCA stands for headed concrete anchors. Anchors shall conform to the requirements of ASTM A108, grades 1010, 1015, 1017, or 1020. Studs shall be automatically end welded in the shop or field in accordance with the manufacturer's recommendations. Remove ceramic ferrule prior to placing concrete.
- CR-6 Where expansion bolts (exp. bolt) are shown, they shall be Hilti or Simpson Strong-Tie type or approved equal. All anchors shall be zinc plated meeting the requirements of ASTM B633. Expansion anchors shall be installed using minimum depths, edge distances and spacing (unless otherwise noted), as recommended by the anchor manufacturer and shall be tightened to the torque requirements of the manufacturer.
- CR-7 All reinforcing steel shall be grade 60 and shall conform to the ASTM Specification A615. Detailing of reinforcing steel shall conform to the American Concrete Institute Detailing Manual. Lap continuous unscheduled reinforcing bars 40 bar diameters at splices. Tie wire shall be 18 gage annealed type. Rebar shall not be heated with a torch in the field.
- CR-8 Provide 1-#6 x 4'-0" L-shaped bar top and bottom of exterior face of grade beams at corners.
- CR-9 Horizontal wall steel shall be continuous with 90-degree bands and 12" returns along each wall at corners, or provide 4'-0" corner bars each face equivalent to horizontal reinforcing.
- CR-10 Reinforcing steel coverage shall be 3".
- CR-11 Provide "Z" transition bars (same size as beam reinforcement) where beam soffit step downs are greater than 6 inches.
- CR-12 Vapor barrier shall be 10 mil polyethylene film for below grade application with a permeance of less than 0.3 US perms (ASTM E96). Vapor barrier shall be continuous with joints lapped a minimum of 12 inches and taped. The vapor barrier shall be installed in accordance with ASTM E1643.
- CR-13 Concrete shall be placed and cured in accordance with ACI 302.1R. Finish tolerance shall be in accordance with ACI 117.
- CR-14 Construct formwork to maintain tolerances outlined in ACI 347. Formwork shall extend a minimum of 6 inches below finished grade at perimeter beams. **All exterior exposed beams and walls shall be horizontal board formed.**
- CR-15 Refer to the Architectural Drawings for areas requiring colored concrete and/or special concrete finishes.
- CR-16 Sawcut control joints into slab as early in the concrete placement process as possible as soon as the slab can support the weight of the workers and equipment without damage to the finished concrete surface. Unless noted otherwise, install the control joints at quarter points from each beam line in both directions when the beam spacing is 15-feet or greater and locate them at mid-span between the beams when the beam spacing is less than 15-feet. **Refer to Architectural drawings for joint/score pattern in exterior exposed sidewalks, ramps and stairs.**
- CR-17 Embed plates must be set and tied into the form before placing concrete, not into top of wet concrete. Any embed plates left out will require removal and re-pouring of concrete. Do NOT "wet set" ANY embed plates.

EPOXY

- EX-1 Care shall be taken in placing post-installed anchors to avoid conflicts with existing rebar. Holes shall be drilled and cleaned in accordance with the manufacturer's written instructions. Substitution requests for products other than those specified below shall be submitted by the Contractor to the Engineer.

- EX-2 All epoxy shall be submitted to the Engineer for approval prior to installation.
- EX-3 All holes shall be drilled with a "Rotary Hammer" percussion drill. All holes shall have a diameter no larger than 1/8" greater than the diameter of the steel member being installed.
- EX-4 All holes shall be cleaned with compressed air and wire brush and shall be dry prior to installation of epoxy. Holes shall be free of all deleterious material such as laitance, dust, dirt, and oil.
- EX-5 Steel shall be cleaned to a bright finish with wire brushes prior to installation. Prime surface as required by Manufacturer.
- EX-6 Acceptable Products are HILTI RE 500 V3, HILTI HIT HY200 or Simpson Strong-Tie Set-XP or approved equal. Substitutions may be considered provided complete technical information is furnished to the Engineer and approved prior to commencement of work. In using the above products, follow strictly the manufacturer's specifications and directions for mixing and application. Also heed all label warnings by manufacturer. Make application in accordance with applicable safety laws.

MASONRY/GROUT

- MG-1 Concrete masonry units (CMU) shall be lightweight (105 PCF) Grade N, Type I, moisture controlled units, conforming to the latest edition of ASTM C90. The average compressive strength of three individual units shall be 2,000 PSI. Refer to architectural drawings and/or specifications for unit size, face, color, jointing, etc.
- MG-2 Mortar shall be type "S", utilizing pre-mixed sacks or shall have the proportions of the mix materials verified and approved in the field by the Testing Lab. When pre-mixed sacks are utilized, copies of the sack receipts must be submitted to the Engineer.
- MG-3 Minimum 28-day compressive strength (f'm) of the masonry walls shall be equal to 2,000 PSI.
- MG-4 Reinforce CMU walls where shown on the structural drawings. Fill all cells with 2,000 PSI grout.
- MG-5 Provide #5 vertical rebars at all corners, ends of walls, each side of control joints and each side of wall openings. See Typical Detail. See Architectural drawings for location of control joints.
- MG-6 Dowels into supporting members shall be the same size and spacing as vertical reinforcement. Extend dowels 2'-6" into the supporting members unless noted otherwise.
- MG-7 All reinforcement and dowels shall have a lap splice length of 50 bar diameters unless noted otherwise.
- MG-8 All vertical steel shall be positioned in the wall using "Rebar Positioners" by AA Wire Products Co. unless specifically detailed otherwise.
- MG-9 Provide standard galvanized truss-type horizontal joint reinforcement of 9 gage wire every other course (16" on center) in typical walls and every course (8" on center) in parapet walls. Side rods shall be deformed wire and cross rods shall be plain wire, both complying with ASTM A62. Lap 6" minimum. Provide prefabricated L and T-shaped units at corners and intersections.
- MG-10 Provide a continuous 8" deep concrete filled bond beam at the top of each wall and at the sill of openings. See bond beam schedule. Provide 1-#6 x 4'-0" L-shaped bar at corners.

MASONRY TESTING REQUIREMENTS

Testing Method Options	Prior to Construction	During Construction
Method I		
Masonry Prism Testing	5 Prisms	3 Prisms for every 5,000 s.f. of wall
Method II		
Masonry Prism Test Record	Approved 30 Prism Record	3 Prisms for every 5,000 s.f. of wall
Method III		
Unit Strength Method	Units and Grout or 5 prism	Units and Grout or 3 prisms for every 5,000 s.f. of wall

STRUCTURAL STEEL

- ST-1 All structural steel shall conform to ASTM Specifications A36 except wide flange shapes shall conform to ASTM A992 GR50. Pipe members shall conform to ASTM A501 or A53, grade B. Square or rectangular tube shapes shall conform to ASTM A500, grade B. Structural steel details and connections shall conform to the standards of the AISC. Splicing of structural steel members is prohibited without prior approval of the Engineer as to location and type of splice to be made. Any member having a splice not shown and detailed on shop drawings will be rejected. All welding shall conform to the American Welding Society Code. Use E70 series electrodes for all structural steel welds. Continuous weld all cap plates and base plates to columns.
- ST-2 All connections shall have 3/4" diameter bolts at 3" on center for full depth of beam as a minimum. Field connections shall be equivalent to standard bolted connections using 3/4" diameter ASTM A325X bolts unless otherwise shown. Connections shall be bolted or welded - See details. Provide web connections for steel joists at connections unless otherwise noted. Unless otherwise noted on the drawings, the reactions for each end of beam shall be designed using 1/2 of the tabulated allowable load for the given span as tabulated in Part 2 of the AISC manual of steel construction.
- ST-3 Examine the architectural and structural drawings for all items required to be hot-dip galvanized after fabrication. All exterior steel at the porch shall be galvanized.
- ST-4 Ultrasonic inspection by the testing laboratory shall be provided for all welds called for on the drawings or on the shop drawings as penetration welds.
- ST-5 Provide 3/8" column cap plate where joist bears on column and 3/4" column cap plate where beam bears on column.

- ST-6 All connection plates and angles for structural steel shall be 3/8" thick at 3/4" diameter bolts and 1/2" thick at 1" diameter bolts.
- ST-7 Unless noted otherwise on the Architectural Drawings, all structural steel members shall receive the manufacturer's standard primer. General Contractor shall apply touch up paint as needed in the field.

STEEL JOISTS

- SJ-1 All joists shall be cambered for dead load. All steel joists shall conform to latest standard load table design, fabrication and erection requirements of the "Steel Joist Institute". All bridging shall be bolted or welded at all joists and at all crossings and anchored to Spandrel Members. Size of bridging shall be as required by the joist supplier.
- (1) Roof Joists: K Series - 1" x 1" x 7/64" angle. (min. size)
All joists shall have angle bottom chord members unless otherwise approved.
- SJ-2 All joists shall be welded to supports per SJII specifications.
- SJ-3 Provide flat bearing for all joists.
- SJ-4 Where bar joists are utilized, and columns are not framed in at least two directions with structural steel members, a bar joist shall be field bolted at columns with two 1/2" diameter A307 bolts at each end of the joist to provide lateral stability during construction.
- SJ-5 Joists shall be designed for a net uplift of 43 PSF at the Interior Zones, 59 PSF at the Perimeter Zones and 66 PSF at the Corner Zones.
- SJ-6 All shop drawings for joists shall be drawn by the joist fabricator, NOT the steel fabricator. **Zinfab is NOT an approved fabricator of steel joists and deck.**
- SJ-7 Joist manufacturer shall be a current member of the Steel Joist Institute (no exceptions). **Zinfab is NOT an approved fabricator of steel joists and deck.**
- SJ-8 Unless noted otherwise on the Architectural Drawings, all joist members including bridging shall receive the manufacturer's standard primer. General Contractor shall apply touch up paint as needed in the field.

ROOF DECK

- RD-1 Roof deck shall be 1.5" deep 22 gage wide rib galvanized metal deck type 1.5B22 as manufactured by Vulcraft or approved equal. Deck shall conform to SDI standards and shall have the following properties:
- Ip = 0.155 IN4/FT
In = 0.183 IN4/FT
Sp = 0.186 IN3/FT
Sn = 0.192 IN3/FT
Fy = 33 K.S.I.
- Minimum steel thickness before coating = 0.0295 in.
- RD-2 Lap ends of deck 3" at supports. Attach Roof Deck to supports in accordance with the Typical Detail on the plans. Deck shall be galvanized G60.

WOOD FRAMING

- WF-1 All lumber and its fastenings shall conform to the National Design Specification for Wood Construction, latest edition, by the National Forest Products Association.
- WF-2 All wood framing shall be wolmanized, Southern Yellow Pine, Grade 1, or approved equivalent unless noted otherwise.
- WF-3 Coordinate all roof overhang dimensions with the Architectural drawings.
- WF-4 All rafters and beams in bearing over exterior stud walls shall be secured at all locations of bearing with Hurricane Tie hold downs as manufactured by Simpson Strong-Tie or equal. Simpson Strong-Tie type "H2.5A" holdown as a minimum.
- WF-5 All joist and beam connections with supporting members shall be provided with hangers of appropriate size and gage as manufactured by Simpson Strong-Tie or equal.
- WF-6 All framing anchors, straps, fasteners, etc. shall be stainless steel.

TEXAS DEPARTMENT OF INSURANCE WINDSTORM INSPECTION REQUIREMENTS

- TDI-1 All exterior doors, windows, and storefronts must comply with and be installed in accordance with ASTM E1886, ASTM E1996 and TDI requirements. Attachment details to the foundation and structure must be included in the Manufacturer's shop drawings. (Deferred Submittal)
- TDI-2 Submit P.E. sealed shop drawings for all exterior doors, windows storefronts and pre-fabricated canopies to be installed showing compliance with the above listed requirements and applicable wind loads. The installation method to be used must be clearly shown on the shop drawings. The installation method must have accompanying TDI approved documentation. (Deferred Submittal)
- TDI-3 The Structural Engineer must be allowed to inspect the installation of all door window and storefront fasteners prior to the installation of the glazing.
- TDI-4 Submit shop drawings for TDI compliant roof assembly. The installation of the TDI approved roofing system must be inspected by the Testing Lab. RTU curbs and curb and anchorage details must be included in the roofing submittals. (Deferred Submittal)

INSPECTION BY THE TESTING LAB

- TL-1 The testing lab shall provide special inspection of the following items in accordance with the code. Re-inspect as required until all items pass inspection. Written reports shall be submitted to the Engineer.
1. **Subgrade and Select Fill Pad:** The prepared subgrade and each lift of select fill material shall be tested, evaluated and reworked as necessary until approved by the Testing Lab prior to placement of additional lifts. Refer to the geotechnical report for the frequency of tests.
 2. **Concrete:** During the taking of test specimens and placing of reinforced concrete.
 3. **Bolts and Embed Plates Installed in Concrete:** Prior to and during the placement of concrete around bolts and embed plates.
 4. **Reinforcing Steel:** Inspect all rebar prior to placing concrete.
 5. **Roof Deck:** Inspect all welds, screws, and attachment pattern for conformance to details.
 6. **Field Welds:** Inspect all field welds.
 7. **Reinforced CMU:** Inspect placing of all masonry units, placement of reinforcement, inspection of grout space, immediately prior to closing of cleanouts, and during all grouting operations.
 8. **Roofing System:** The installation of the TDI approved roofing system must be inspected by the Testing Lab to be in conformance with the approved shop drawings submitted by the General Contractor.
- TL-2 The testing lab shall provide testing and inspection services for all items listed in Chapter 17 of the International Building Code. Re-inspect as required until all items pass inspection. Written reports shall be submitted to the Engineer.
- TL-3 Periodic site observations by the Testing Lab are solely for the purpose of determining if the work of the Contractor is proceeding in general accordance with the structural contract documents. These limited site observations should not be construed as exhaustive or continuous to check the quality or quantity of the work, but rather periodic in an effort to guard the Owner against defects or deficiencies in the work of the Contractor.
- TL-4 The Contractor shall notify the Testing Lab 48 hours in advance of any concrete placement.
- TL-5 The Contractor shall not place any concrete until all reinforcing steel placement has been reviewed by the Testing Lab AND all corrections made by the Contractor. It is the Contractor's responsibility to ensure that all corrections have been made.
- TL-6 Do not cover up structural framing until it has been reviewed by the Testing Lab.

APPLICABILITY OF TYPICAL DETAILS

- M-1 Typical details shall apply to ALL such situations and conditions which are similar to the condition shown on the detail or verbally described in the title of the detail or notes on the detail. Typical details shall apply regardless of whether or not the detail section mark is cut on the plans.
- M-2 See Architectural/Civil drawings for floor elevations, slopes, and the location of depressed floor areas.
- M-3 The Contractor shall compare Structural sections with Architectural sections and report any discrepancy to the architect prior to fabrication or installing structural members.
- M-4 Changes shall not be made to the drawings without written approval of the Engineer.
- M-5 Shop drawings shall be submitted for all structural items including concrete mix design, rebar, epoxy, structural steel, steel joists, and metal roof deck.
- The Contractor must submit all shop drawings for review a minimum of ten (10) working days prior to their due date back to the supplier. Failure to do so will be the responsibility of the Contractor.
- M-6 Rebar shall not be heated with a torch in the field.
- M-7 Embed plates must be set and tied into the form before placing concrete, not into top of wet concrete. Any embed plates left out will require removal and re-pouring of concrete. Do NOT "wet set" ANY embed plates.
- M-8 Do not hang anything from the metal deck.

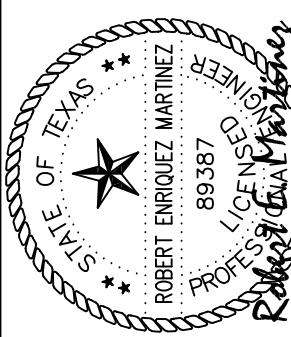
SITE OBSERVATION BY THE STRUCTURAL ENGINEER

- SV-1 Periodic site observations by field representatives of REM Engineering are solely for the purpose of determining if the work of the Contractor is proceeding in general accordance with the structural contract documents. These limited site observations should not be construed as exhaustive or continuous to check the quality or quantity of the work, but rather periodic in an effort to guard the Owner against defects or deficiencies in the work of the Contractor.
- SV-2 The Contractor shall notify the Engineer and Testing Lab 48 hours in advance of any concrete placement.
- SV-3 The Contractor shall not place any concrete until all reinforcing steel placement has been reviewed by the Structural Engineer AND all corrections made by the Contractor. It is the Contractor's responsibility to ensure that all corrections have been made.
- SV-4 Do not cover up structural framing until it has been reviewed by the Engineer.

REPRODUCTION NOTE

- R-1 The use of reproductions of these contract drawings by any contractor, subcontractor, erector, fabricator, or material supplier in lieu of preparation of shop drawings signifies his acceptance of all information shown hereon as correct, and obligates himself to any job expense, real or implied, arising due to any errors that may occur hereon.

EDR architects



Project Address:
303 Ninth Street
Port Aransas TX
78373 Nueces
County
Date:
MAY 15, 2025

Project Name:
COPA-Lifeguard
Headquarters
Facility

Project No:
21004

GENERAL NOTES

S4-1

C:\EDR\Projects\2023\Projects\1004-COPPA Lifeguard Task Order 6\Arch\2023\0101 NEW COPPA LIFE GUARD.DWG 2024.rvt

May 15, 2025 -- 6:10pm
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C

B

A

ABBREVIATIONS

A	
ABV	ABOVE
A/C	AIR CONDITIONING
AC	ALTERNATING CURRENT, AIR COMPRESSOR, ABOVE COUNTER
ACC	AIR COOLED CHILLER
ACCU	AIR COOLED CONDENSING UNIT
AD	ACCESS DOOR
ADA	AMERICANS WITH DISABILITIES ACT
AF	AMPERE FUSE, AMPERE FRAME
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPT CAPACITY
AL	ALUMINUM
AM	AMMETER
AMP	AMPLIFIER
ANN	ANNUNCIATOR
AP	ACCESS PANEL, ALARM PANEL
ARCH	ARCHITECT, ARCHITECTURAL
ASC	AMPERES SHORT CIRCUIT
AT	AMPERE TRIP RATING
ATS	AUTOMATIC TRANSFER SWITCH
AVG.	AVERAGE
AUX.	AUXILIARY

B	
BC	BELOW COUNTER, BELOW CEILING
BKR	BREAKER
BLDG.	BUILDING

C	
C	CONDUIT, CELSIUS
CATV	CABLE TELEVISION SYSTEM
CCTV	CLOSED CIRCUIT TELEVISION
CWP	CONDENSER WATER PUMP
CH	CHILLER
CHP	CHILLED WATER PUMP
CIRC	CIRCULATING
CKT	CIRCUIT
CL	CENTERLINE
CLG.	CEILING
CMU	CONCRETE MASONRY UNIT
COL.	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT.	CONTINOUS,CONTINUATION
CONTR.	CONTROLLER, CONTRACTOR
CP.	CIRCULATING PUMP
CPUC	CPU CHILLER
CRT	CATHODE RAY TUBE
CRU	CONDENSATE RETURN UNIT
CT	CURRENT TRANSFORMER, COOLING TOWER
CTR	CENTER
CU	COPPER

D	
dB	DECIBEL
DC	DIRECT CURRENT
DDC	DIRECT DIGITAL CONTROL
DTL	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DISC	DISCONNECT
DN	DOWN
DP	DISTRIBUTION PANEL
DPDT	DOUBLC--POLE, DOUBLC--THROW
DPST	DOUBLC--POLE, SINGLC--THROW
DR	DROPPED RECEPTACLE
DW	DISHWASHER
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
DWP	DOMESTIC WATER PUMP
DXFC	DX FAN COIL UNIT

E	
(E)	EXISTING
E--UGE	EMERGENCY UNDERGROUND ELECTRIC DISTRIBUTION
EA	EACH
EC	ELECTRICAL CONTRACTOR
E.C.	EMPTY CONDUIT
EDF	ELECTRIC DRINKING FOUNTAIN
EF	EXHAUST FAN
EFF	EFFICIENCY
EHC	ELECTRIC HEATING COIL
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC.	ELECTRICAL
EMERG	EMERGENCY
EMS	ENERGY MANAGEMENT SYSTEM
ENCL.	ENCLOSURE
ENGR.	ENGINEER
EPO	EMERGENCY POWER OFF
EQUIP	EQUIPMENT
(ER)	EXISTING TO REMAIN
EUH	ELECTRIC UNIT HEATER
EWH	ELECTRIC WATER HEATER
EXH	EXHAUST
EUGE	EMERGENCY UNDERGROUND ELECTRIC

F	
F	FAHRENHEIT, FAN, FIRE
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FD	FURR--DOWN
FIXT	FIXTURE
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FLR	FLOOR
FLUOR	FLUORESCENT
FP	FIRE PUMP, FAN POWERED
FRZR	FREEZER
FS	FUSED SWITCH, FLOW SWITCH
FT	FOOT, FEET
FTL	FEED--THRU LUGS
FUT	FUTURE
FVNR	FULL--VOLTAGE, NON--REVERSING

G	
GA	GAGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
GUH	GAS UNIT HEATER

H	
HOA	HAND--OFF--AUTOMATIC
HORIZ	HORIZONTAL
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HS	HAND SET
HSC	HAND SCANNER
HTG	HEATING
HTR	HEATER
GUH	HOT WATER/ GAS UNIT HEATER
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
HVU	HEATING/ VENTILATING UNIT
HWB	HOT WATER BOILER
HWC	HOT WATER CIRCULATOR
HWP	HEATING WATER PUMP
H ₂	HERTZ

I	
ID	INSIDE DIAMETER
IG	ISOLATED GROUND
IN	INCH
INCAND	INCANDESCENT
INT	INTERNAL, INTERIOR

J	
JB	JUNCTION BOX
JP	JOCKEY PUMP

K	
KEC	KITCHEN EQUIPMENT CONTRACTOR
KO	KNOCKOUT
KVA	KILOVOLT-- AMPS
KW	KILOWATT
KWH	KILOWATT--HOUR

L	
LF	LINEAR FEET
LRA	LOCKED ROTOR AMPS
LTC	LIGHTING
LVL	LEVEL

M	
M	METER
MAP	MASTER ALARM PANEL
MATV	MASTER ANTENNA TELEVISION SYSTEM
MAX.	MAXIMUM
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MD	MOTORIZED DAMPER
MDP	MAIN DISTRIBUTION PANEL
MECH.	MECHANICAL
MFR	MANUFACTURER
MH	METAL HALIDE
MIC	MICROPHONE
MIN.	MINIMUM
MLO	MAIN LUGS ONLY
MN	MASS NOTIFICATION
MSB	MAIN SWITCHBOARD
MTD	MOUNTED
MV	MERCURY VAPOR

N	
N3R	NEMA 3R ENCLOSURE
N4X	NEMA 4X ENCLOSURE
N.C.	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NF	NON--FUSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NFS	NON--FUSED SWITCH
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
N.O.	NORMALLY OPEN
NO.	NUMBER
NTS	NOT TO SCALE

O	
OAF	OUTSIDE AIR FAN
OC	ON CENTER
OD	OUTSIDE DIAMETER
OHE	OVERHEAD ELECTRICAL
OPG	OPENING
OS	OCCUPANCY SENSOR

P	
P	POLE, PUMP
PA	PUBLIC ADDRESS PAGING
PB	PUSHBUTTON
PH	PHASE
PL	PILOT LIGHT
PLBG	PLUMBING
PNEU	PNEUMATIC
PNL	PANEL
PP	POWER POLE
PR	PAIR
PRI	PRIMARY
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE
PWR	POWER

Q	
QTY	QUANTITY

R	
R	EXISTING TO BE REMOVED
RA	RETURN AIR
RAD	REFRIGERATED AIR DRYER
RAF	RETURN AIR FAN
RCP	REFLECTED CEILING PLAN
RCPT	RECEPTACLE
RE	REFERENCE, REFER
REC	RECEPTACLE
REFR	REFRIGERATOR
REINF	REINFORCING
REL	EXISTING TO BE RELOCATED
REQD	REQUIRED
REV	REVISION, REVISE
RGS	RIGID GALVANIZED STEEL
RLA	RUNNING LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
RTU	ROOFTOP UNIT

S	
SA	SUPPLY AIR
SAF	SUPPLY AIR FAN
SCHED	SCHEDULE
SE	SEWAGE EJECTOR
SEC	SECURITY
SECT	SECTION
SF	SQUARE FEET
SHT	SHEET
SIM	SIMILAR
SKVA	STARTING KILOVOLT--AMPS
SKW	STARTING KILOWATTS
SP	SUMP PUMP
SPEC	SPECIFICATION
SPF	STAIR PRESSURIZATION FAN
SPKR	SPEAKER
SPDT	SINGLC--POLE, DOUBLC--THROW
SPST	SINGLC--POLE, SINGLC--THROW
SQ.	SQUARE
SRF	SMOKE REMOVAL FAN
SS	START--STOP PUSH BUTTON
SSSC	SOLID STATE SPEED CONTROL
STB	STEAM BOILER
STD	STANDARD
STL	STEEL
SURF	SURFACE
SW	SWITCH
SWBD	SWITCHBOARD

T	
TC	TEMPERATURE CONTROL
TEL	TELEPHONE
TF	TRANSFER FAN
TL	TWIST--LOCK
TOC	TOP OF CURB
TOS	TOP OF STEEL
TS	TAMPER SWITCH
TTB	TELEPHONE TERMINAL BOARD
TTG	TELEPHONE TERMINAL CABINET
TU	TERMINAL UNIT
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL

U	
UC	UNDER COUNTER
UG	UNDERGROUND
UGC	UNDERGROUND COMMUNICATION
UGP	UNDERGROUND PRIMARY
UGS	UNDERGROUND SECONDARY
UGE	UNDERGROUND ELECTRIC
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES, INC.
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTABLE POWER SYSTEM

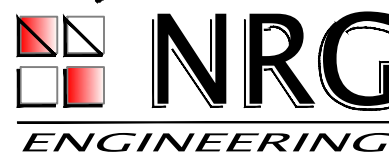
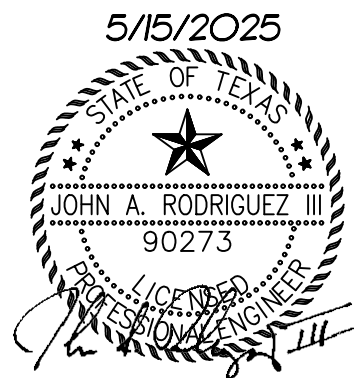
V	
V	VOLT
VA	VOLT--AMPERE
VC	VOLUME CONTROL
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VP	VACUUM PUMP
VM	VOLT METER

W	
W	WATT, WIRE, WIDTH
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
WS	WATER SOFTENER
WT	WATERTIGHT, WEIGHT
WWF	WELDED WIRE FABRIC

X	
---	--

XFMR	TRANSFORMER
------	-------------

Z	
Z	ZONE



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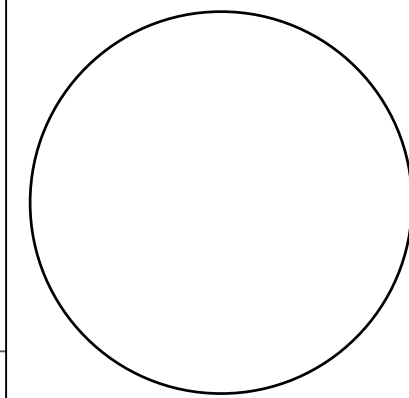
Project Address:
303 Ninth Street
Port Aransas, TX
78373

Project Name:
Lifeguard
Headquarters

ELECTRICAL-ABBREVIATIONS
05-15-2025

Project No:
21004

Date:
MAY 2025



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Issue

Project Data

Sheet Title

E000

RACEWAYS AND WIRING

	CAP AND STAKE
	CONDUIT CONCEALED IN WALL OR CEILING
	EMERGENCY CONDUIT
	EXPOSED CONDUIT
	UNDERGROUND CONDUIT, "DB" DENOTES DUCTBANK ENCASED IN CONCRETE
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
	HASH MARKS INDICATE NUMBER OF CONDUCTORS. LEFT TO RIGHT: PHASE/NEUTRAL/SWITCH LEG/GROUND/ISOLATED GROUND. NO HASH MARKS INDICATES 2# 12, PLUS GROUND, UNLESS NOTED OTHERWISE.
	HOMERUN TO PANEL WITH CIRCUIT NUMBER(S) AS INDICATED.
	PARTIAL CIRCUIT HOMERUN TO PANEL.
	COMMUNICATIONS CONDUIT OR CABLE: "C" DENOTES COMMUNICATIONS "CA" DENOTES MASTER CLOCK, "CR" DENOTES CASH REGISTER "D" DENOTES DATA, "FA" DENOTES FIRE ALARM, "I" DENOTES INTERCOM, "OHE" DENOTES OVERHEAD ELECTRICAL LINE. "PA" DENOTES PAGING, "S" DENOTES SECURITY, "T" DENOTES TELEPHONE, "V" DENOTES VIDEO.
	TELECOMMUNICATIONS CABLE TRAY TO BE CONCEALED ABOVE ACCESSABLE CEILING.

RECEPTACLES AND OUTLETS

ALL RECEPTACLES SHALL BE MOUNTED 18" ABOVE FINISHED FLOOR TO CENTER OF DEVICE UNLESS NOTED OTHERWISE.	
	SIMPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V.
	DUPLX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V. "WP" DENOTES WEATHERPROOF, "IG" DENOTES ISOLATED GROUND, "TP" DENOTES SAFETY TYPE, (TAMPER PROOF) "DR" DENOTES DROPPED RECEPTACLE, "AC" DENOTES ABOVE COUNTER MOUNTING, SEE ARCHITECTURAL PLANS FOR EXACT MOUNTING HEIGHT.
	GROUND FAULT CIRCUIT INTERRUPTER (GFI) DUPLX WALL RECEPTACLE
	FOURPLEX (DOUBLE DUPLX) WALL RECEPTACLE. NEMA 5-20R, 20A, 125V.
	GROUND FAULT CIRCUIT INTERRUPTER (GFI) QUADPLEX (DOUBLE DUPLX) WALL RECEPTACLE
	SPECIAL RECEPTACLE, NEMA CONFIGURATION AS NOTED.
	FLUSH ELECTRICAL FLOOR OUTLET
	MULTI-OUTLET SURFACE RACEWAY. SEE ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING HEIGHTS.
	JUNCTION BOX (SQUARE)
	JUNCTION BOX
	DUPLX RECEPTACLE WITH HOMERUN
	DUPLX RECEPTACLE (PEDESTAL MOUNTED)
	TWO-GANG FLOOR POKE-THRU
	THREE-GANG FLOOR POKE-THRU
	POWER POLE
	PULL BOX (OVER 4" SQUARE)
	CLOCK RECEPTACLE TO BE MOUNTED 12" BELOW FINISHED CEILING. (2) DENOTES DOUBLE SIDED CLOCK.

LIGHTING

LETTER(S) DENOTE TYPE- SEE LIGHTING FIXTURE SCHEDULE FOR MOUNTING.	
	2' X 4' LED LIGHTING FIXTURE.
	2' X 2' LED LIGHTING FIXTURE.
	1' X 4' LED LIGHTING FIXTURE.
	LED STRIP LIGHTING FIXTURES.
	STAGGERED STRIP LIGHTING FIXTURE.
	LED DOWNLIGHT FIXTURE.
	WALL MOUNTED LED
	CEILING MOUNTED EXIT SIGN; ARROWS AS INDICATED. SHADED AREA DENOTES FACE.
	LIGHT FIXTURES ON WITH BATTERY BACKUP.
	SITE LIGHTING FIXTURE.

COMMUNICATIONS

ALL OUTLETS SHALL BE MOUNTED 18" ABOVE FINISHED FLOOR TO CENTER OF DEVICE, UNLESS NOTED OTHERWISE. SOME SYMBOLS INCLUDE MOUNTING HEIGHT ON PLANS.	
THE FOLLOWING NOTATIONS REFER TO ALL COMMUNICATIONS OUTLETS: "FAX" DENOTES OUTLET DEDICATED FOR A FAX. "W" DENOTES WALL PHONE SHALL BE MOUNTED AT 42" A.F.F. "PAY" DENOTES PAY PHONE SHALL BE MOUNTED 42" A.F.F.	
	PROVIDE 4 11/16" X 4 11/16" X 2 1/8" METAL BOX WITH 1-1/2" CONDUIT STUBBED-OUT ABOVE ACCESSIBLE CEILING OR ROUTED TO CABLE TRAY OR COMMUNICATION ROOM. NUMBER INDICATES QUANTITY OF CAT-6 CABLES WITH RJ45 CONNECTORS.
	VOICE/DATA FLOOR OUTLET ROUTED AS INDICATED ABOVE. NUMBER INDICATES QUANTITY OF CAT-6 CABLES WITH RJ45 CONNECTORS.
	TELEVISION OUTLET SINGLE GANG JUNCTION BOX WITH ONE COAX RECEPTACLE WITH TYPE "F" CONNECTORS
	MICROPHONE FLOOR OUTLET, "W" INDICATES WALL MOUNTED
	AUXILIARY FLOOR OUTLET, "W" INDICATES WALL MOUNTED
	VOLUME CONTROL
	FIBER OUTLET
	INTERCOMMUNICATION SYSTEM HANDSET.
	PUBLIC ADDRESS PAGING
	MULTIMEDIA A/V CONNECTIONS
	INTERCOM
	WIRELESS ACCESS POINT
	CARD READER
	OUTDOOR SIGNAL ANTENNA
	INDOOR SIGNAL ANTENNA
	CELL SIGNAL BOOSTER

SECURITY

	SAFE DOOR CONTACT/ HEAT THERMAL
	SECURITY PANEL
	GENERAL PAGING SYSTEM
	SECURITY MOTION SENSOR
	MOTION DETECTOR
	DOOR CONTACTOR ROUGH-IN WITH CONDUIT TO ACCESSIBLE LOCATIONS ABOVE CEILING.
	CARD READER ROUGH IN WITH CONDUIT TO ACCESSIBLE LOCATIONS ABOVE CEILING.
	CAMERA
	MAGNETIC LOCK
	ELECTRONIC HINGE
	ELECTRONIC STRIKE
	PUSH BUTTON TO EXIT

MOTORS AND CONTROLS

	SINGLE OR THREE PHASE MOTOR NUMBER INDICATES HORSE POWER
	ELECTRIC DUCT HEATER
	DISCONNECT (SAFETY) SWITCH "200/3/150" DENOTES AMPERES/POLE/FUSE. "NF" DENOTES NON-FUSED "N3R" DENOTES NEMA 3R
	ENCLOSED CIRCUIT BREAKER- "200/3/150" DENOTES AMPERES/POLE/TRIP.
	MOTOR STARTER FURNISHED BY DIVISION 15 AND INSTALLED BY DIVISION 16.
	COMBINATION DISCONNECT (SAFETY) SWITCH AND MOTOR STARTER, "30/3/15/#0" DENOTES AMPERES/POLES/FUSE/STARTER SIZE. "NF" DENOTES NON-FUSED. FURNISHED BY DIVISION 15 AND INSTALLED BY DIVISION 16.
	VARIABLE FREQUENCY DRIVE PROVIDED BY DIVISION 22 AND INSTALLED BY DIVISION 23.
	120V, 1P EQUIPMENT CONNECTION
	240V, 1P EQUIPMENT CONNECTION
	240V, 3P EQUIPMENT CONNECTION
	208V, 1P EQUIPMENT CONNECTION
	208V, 3P EQUIPMENT CONNECTION
	277V, 1P EQUIPMENT CONNECTION
	480V, 3P EQUIPMENT CONNECTION
	480V, 1P EQUIPMENT CONNECTION

ELECTRICAL EQUIPMENT

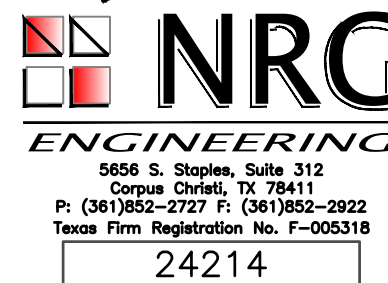
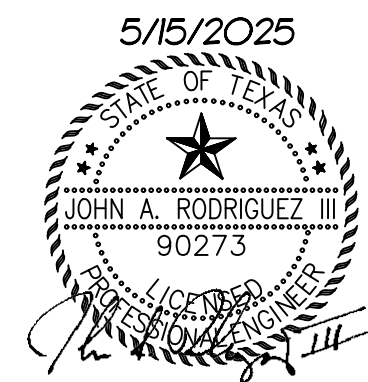
	DISTRIBUTION PANEL
	SWITCHBOARD OR MOTOR CONTROL CENTER
	PANELBOARD (FLUSH/SURFACE MOUNT)
	DRY-TYPE TRANSFORMER
	AUTOMATIC TRANSFER SWITCH
	PLYWOOD TERMINAL BOARD, TYPE AS NOTED, 4' X 8' X 3/4" UNLESS NOTED OTHERWISE
	TERMINAL CABINET (FLUSH/SURFACE MOUNT), TYPE AS NOTED, 24" X 48" X 3-1/2" UNLESS NOTED OTHERWISE.
	GENERATOR REMOTE ANNUNCIATOR.
	MANUAL TRANSFER SWITCH

FIRE ALARM

	FIRE ALARM PULL STATION
	FIRE ALARM SPEAKER STROBE SIGNAL (SUBSCRIPT REFERENCED BELOW)
	FIRE ALARM VISUAL SIGNAL
	FIRE ALARM AUDIO SIGNAL
	ADDRESSABLE SMOKE DETECTOR (SUBSCRIPT REFERENCED BELOW)
	FIRE ALARM ANNUNCIATOR
	FIRE ALARM CONTROL PANEL
	HEAT TRACE CONTROL PANEL
	FLOW SWITCH
	TAMPER SWITCH
	FIRE BELL
	KNOX BOX
SUBSCRIPTS:	
WM	WALL MOUNTED
C	CEILING MOUNTED
WP	WEATHERPROOF
AC	ABOVE COUNTER
D	IN DUCT

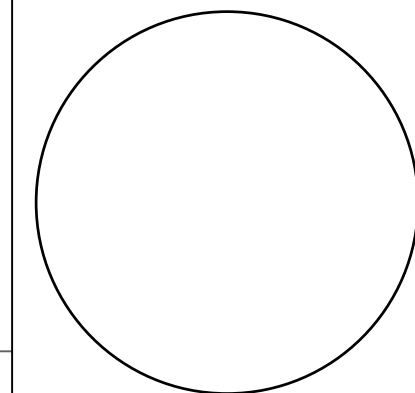
ONE LINE AND RISER DIAGRAMS

	TRANSFORMER, TYPE AND RATINGS AS NOTED
	SWITCH, RATING AS SHOWN
	FUSE, RATING AS SHOWN
	CIRCUIT BREAKER, RATING AS SHOWN, 3 POLE UNLESS NOTED OTHERWISE. "CL" DENOTES CURRENT LIMITING
	DRAWOUT CIRCUIT BREAKER, RATINGS AS SHOWN, 3 POLE UNLESS NOTED OTHERWISE
	SHUNT TRIP
	GROUND FAULT RELAY
	KIRK-KEY INTERLOCK
	DIGITAL METER
	AMMETER, RANGE AS SHOWN
	AMMETER SWITCH
	VOLTMETER, RANGE AS SHOWN
	VOLTMETER SWITCH
	WATT-HOUR METER. "D" DENOTES DEMAND REGISTER "15" DENOTES MINUTES OF DEMAND INTERVAL
	CURRENT TRANSFORMER, RATED AS SHOWN
	POTENTIAL TRANSFORMER, RATING AS SHOWN
	GROUND CONNECTION
	LIGHTING ARRESTOR
	GENERATOR SET
	AUTOMATIC TRANSFER SWITCH
	BUS DUCT PLUG
	TRANSIENT VOLTAGE SURGE SUPPRESSOR
	ELECTRICAL METER
	FUSED DISCONNECT SWITCH, POLE MOUNTED
	MECHANICAL CONNECTION
	CABLE TERMINATION
	THERMOWELD CONNECTION



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Headquarters

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ELECTRICAL-SYMBOLS
05-15-2025

E001

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A

B

C

D

1

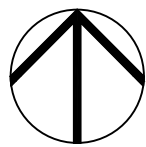
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3

4

5

Plan North



1
E100

ELECTRICAL SITE PLAN

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



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

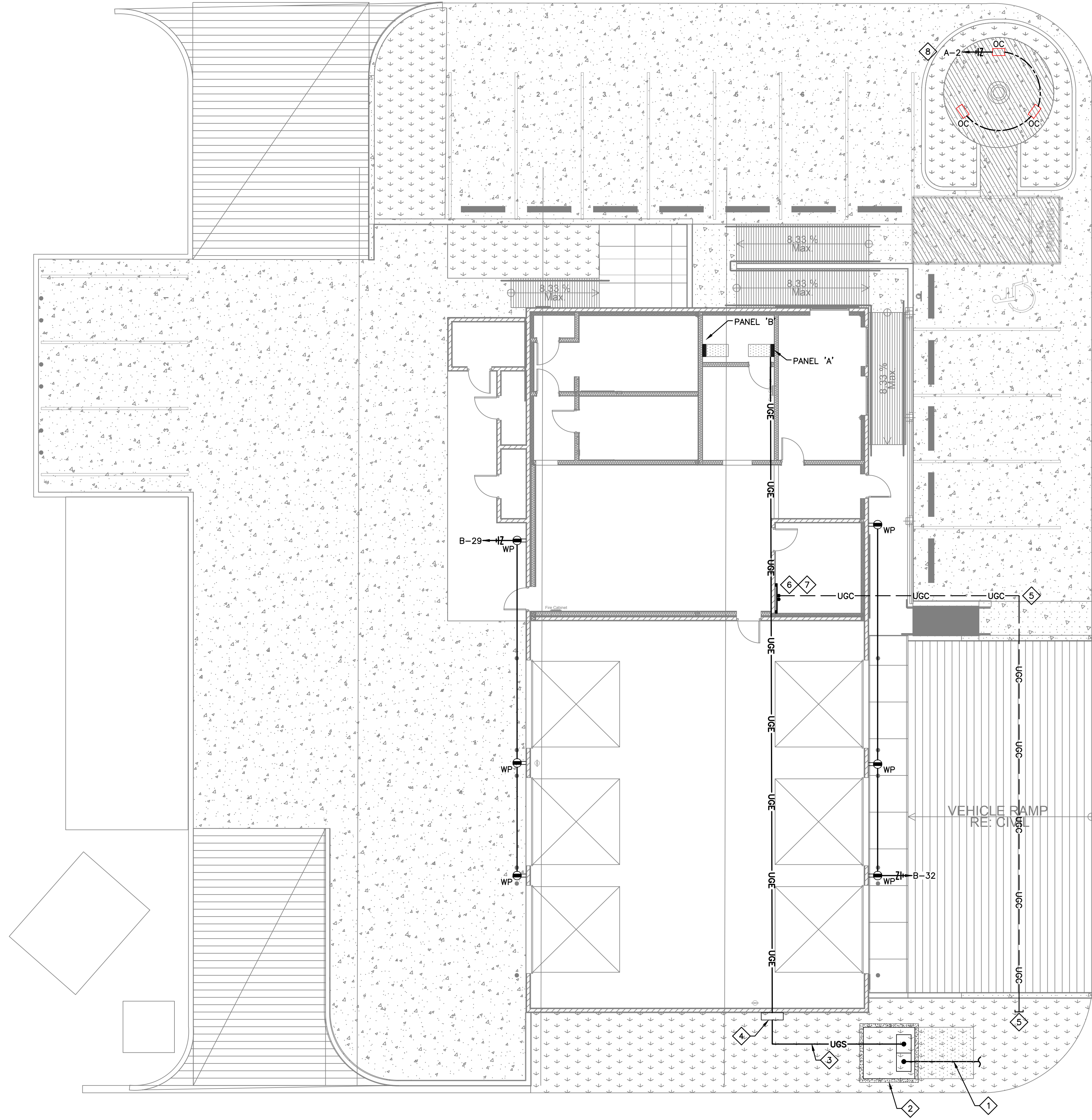
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2

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GENERAL NOTES:

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE JOB SITE BEFORE COMMENCING ANY PHASE OF THE WORK. ADJUSTMENTS FOR FIT AND COORDINATION SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER. NOTIFY ENGINEER OF ANY CONFLICTS, DISCREPANCIES OR OMISSIONS PRIOR TO COMMENCEMENT OF THE CONTRACT WORK.
- CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, CIVIL, MECHANICAL & STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ANY ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES.
- ALL WORK SHALL COMPLY WITH CURRENTLY ADOPTED VERSION OF NATIONAL ELECTRICAL CODE.
- SEAL ALL WALL, ROOF, AND FLOOR PENETRATIONS WITH UL LISTED FIRE SEALANT.

SITE PLAN KEY NOTES:

- PROVIDE 4" CONDUIT (PVC). UNDERGROUND PRIMARY CABLEING BY POWER COMPANY. REFERENCE ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- APPROXIMATE LOCATIONS OF 120V/1P/3W UTILITY PAD MOUNTED TRANSFORMER. EXISTING TRANSFORMER TO BE UPGRADED BY CPS.
- NEW UNDERGROUND ELECTRICAL SECONDARY. REFERENCE ONE-LINE DIAGRAM ON SHEET E500 FOR ADDITIONAL INFORMATION.
- APPROXIMATE LOCATION OF MAIN SERVICE DISCONNECT AND UTILITY METER. REFERENCE ONE-LINE DIAGRAM ON SHEET E400 FOR ADDITIONAL INFORMATION.
- PROVIDE (1)4"C WITH PULL CORD FOR TELEPHONE/INTERNET/CABLE TV SERVICE FROM NEAREST EASEMENT TO I.T ROOM. COORDINATE WITH SERVICE PROVIDER PRIOR TO TRENCHING. REFERENCE ELECTRICAL POWER PLAN E302FOR ADDITIONAL INFORMATION.
- COORDINATE EXACT LOCATION OF TELECOMMUNICATION BOARD IN BUILDING PRIOR TO TRENCHING. REFERENCE ELECTRICAL POWER PLAN E302 FOR ADDITIONAL INFORMATION.
- COORDINATE EXACT LOCATION OF STUB-UPS TO CLOSET ROOM #105 PRIOR TO TRENCHING.
- PROVIDE PHOTOCELL AND ROUTE LIGHT CIRCUIT THROUGH PHOTOCELL. PHOTOCELL SHALL BE LOCATED ON ROOF AND AIMED NORTH.

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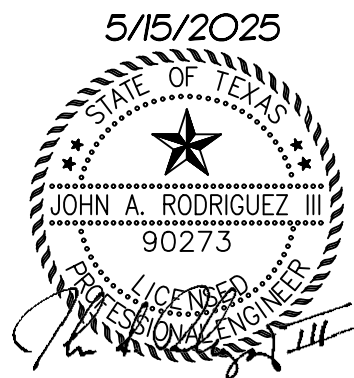
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ELECTRICAL-SITE-PLAN
05-15-2025



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24214

E100

EDR
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Revision

Issue

Project Data

Sheet Title

GENERAL NOTES:

- A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE JOB SITE BEFORE COMMENCING ANY PHASE OF THE WORK. ADJUSTMENTS FOR FIT AND COORDINATION SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER. NOTIFY ENGINEER OF ANY CONFLICTS, DISCREPANCIES OR OMISSIONS PRIOR TO COMMENCEMENT OF THE CONTRACT WORK.
- B. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, CIVIL, MECHANICAL & STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ANY ADDITIONAL REQUIREMENTS.
- C. CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES.
- D. ALL CONDUIT SHALL BE AS STRAIGHT AS POSSIBLE AND PARALLEL OR PERPENDICULAR TO BUILDING LINES.
- E. ALL WORK SHALL COMPLY WITH CURRENTLY ADOPTED VERSION OF NATIONAL ELECTRICAL CODE.
- F. SEAL ALL WALL, ROOF, AND FLOOR PENETRATIONS WITH UL LISTED FIRE SEALANT.
- G. ALL CONDUIT SHALL BE ROUTED CONCEALED WITHIN WALLS AND/OR ABOVE CEILINGS. WHERE APPLICABLE
- H. REFER TO DETAIL #1/SHEET E600 FOR EXACT MOUNTING HEIGHTS OF ALL DEVICES.

LIGHTING PLANS KEY NOTES:

- 1 ROUTE LIGHT CIRCUIT THROUGH PHOTOCELL. PHOTOCELL SHALL BE LOCATED ON ROOF AND AIMED NORTH.
- 2 PROVIDE MYERS INVERTER MODEL #LV-3-R-1-2003. ROUTE LIGHTING CIRCUIT THRU INVERTER. MOUNT AS HIGH AS POSSIBLE.
- 3 PROVIDE MYERS INVERTER MODEL #LV-5-R-1-2003. ROUTE LIGHTING CIRCUIT THRU INVERTER. MOUNT ABOVE CEILING.
- 4 EXHAUST FANS SHALL BE CONTROLLED VIA RESTROOM LIGHT SWITCH. FIELD COORDINATE EXACT REQUIREMENTS.

CIRCUIT EXIT SIGNS & EMERGENCY LIGHTS (IF APPLICABLE) TO UNSWITCHED SIDE OF LIGHTING CIRCUIT SERVING AREA IN WHICH LOCATED. TYPICAL. ALL EMERGENCY BATTERY PACKS SHALL BE CIRCUITED TO UNSWITCHED SIDE OF CIRCUIT INDICATED.

OCCUPANCY SENSOR SCHEDULE
(SOME MAY NOT BE USED)

	nLIGHT POWER PACK #NPP16-EFP
	nLIGHT POWER PACK #NPP16-D-EFP-SA
	SENSORSWITCH #WSX-PDT-SA-CBA
	0-10V DIMMER SWITCH
	nLIGHT #nPODM-CBA
	nLIGHT #nPODM-DX-CBA
	nLIGHT #nPODMA-2P-DX-CBA
	nLIGHT #CM9-PDT
	SENSORSWITCH #WW-PDT-16-KIT

WHERE MULTIPLE OCCUPANCY SENSORS ARE INDICATED CIRCUITED TOGETHER TO ONE POWER PACK OR SET OF POWER PACKS. ACTIVATION OF ANY ONE SENSOR SHALL ENERGIZE POWER PACK (CLOSE RELAY).

CBA = STANDARD COLOR BY ARCHITECT

SENSOR LAYOUT IS BASED ON ACUITY COVERAGE PATTERNS. ADJUST QUANTITIES AND LOCATIONS FOR APPROVED SUBSTITUTION.

ALL SENSORS SHALL BE LINE VOLTAGE, WITH PROVIDED HOT, NEUTRAL AND GROUND CONDUCTORS AS REQUIRED. PROVIDE COPIES OF SENSOR OPERATION INSTRUCTIONS TO OWNER.

SET TIME DELAY TO 15-20 MINUTES FOR ALL OCCUPANCY SENSORS. SINGLE RELAY WALL SWITCH AND CEILING MOUNTED SENSORS TO BE SET TO MANUAL ON, AUTO OFF. REST ROOMS AND CORRIDORS SET THE SENSORS TO AUTO ON/AUTO OFF. DUAL RELAY WALL SWITCH SHALL BE SET TO MANUAL ON MODE RELAY 1, AUTO ON RELAY 2.

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Project Address:

303 Ninth Street
Port Aransas, TX
78373

Date:

MAY 2025

Project Name:

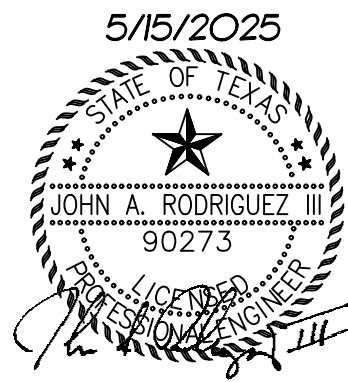
Lifeguard
Headquarters

Project No:

21004

ELECTRICAL-LIGHTING-PLAN
05-15-2025

Sheet Title



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24214

Plan North



1
E201

ELECTRICAL LIGHTING PLAN

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



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

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24214_ELEC.dwg

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A

B

C

D

1

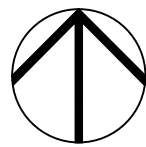
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3

4

5

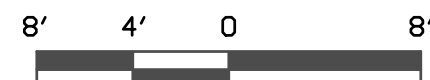
Plan North



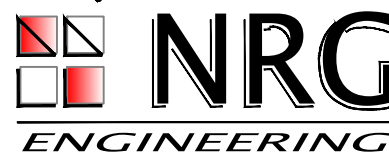
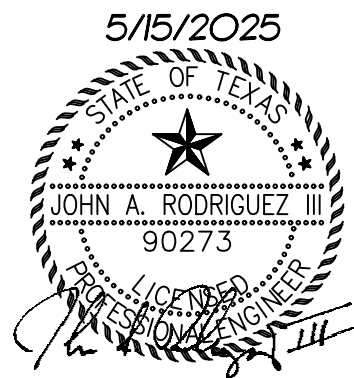
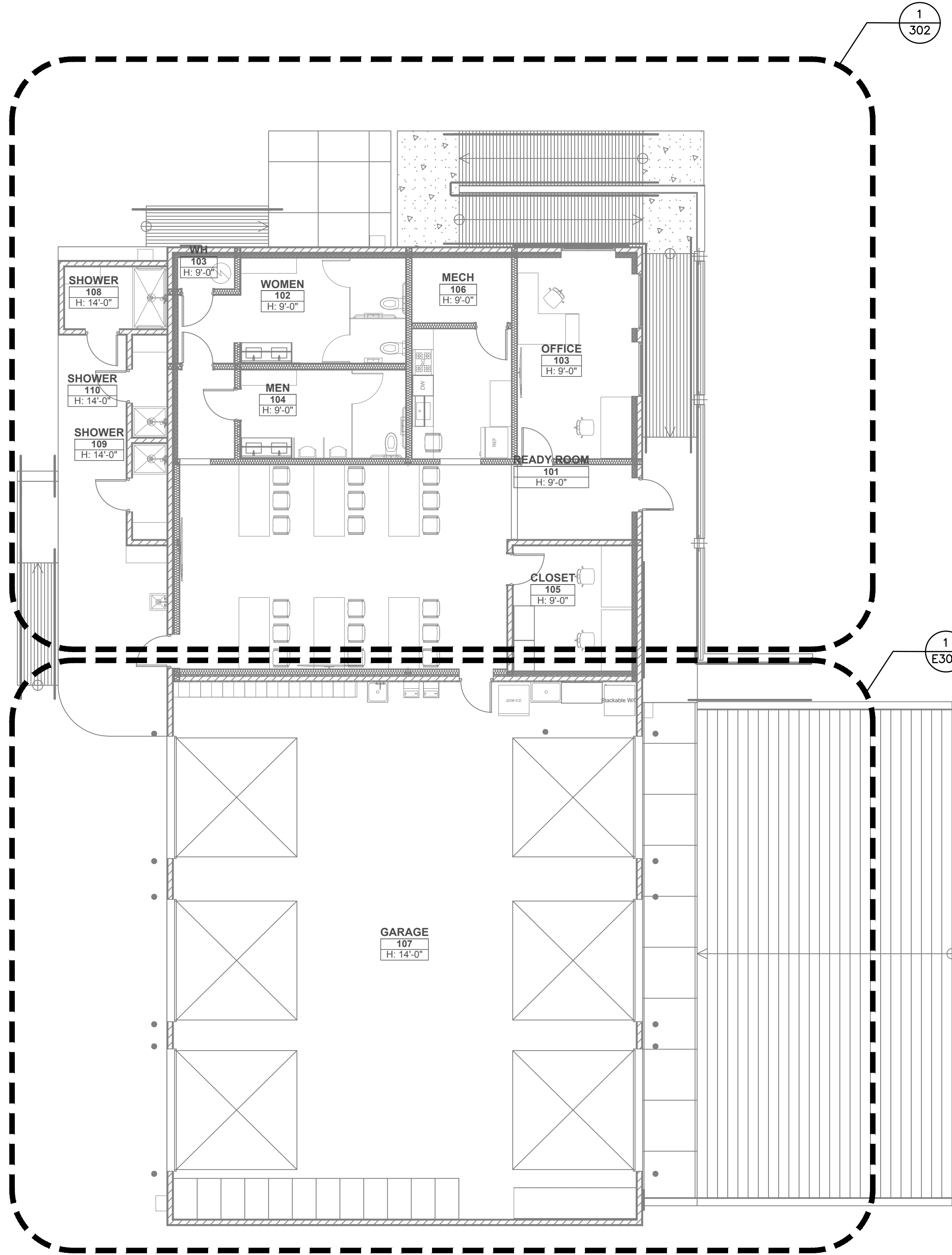
E
E301

ELECTRICAL OVERALL POWER PLAN

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



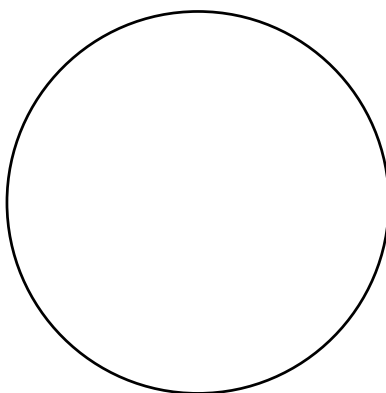
SCALE: 1/8" = 1' -0"



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Port Aransas, TX
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Date:

MAY 2025

Project Name:
Lifeguard
Headquarters

Project No:

21004

ELECTRICAL-OVERALL-POWER
PLAN-05-15-2025

E301

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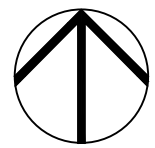
Revision

Issue

Project Data

Sheet Title

Plan North



4' 2' 0 4'
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

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- ALL CONDUIT SHALL BE ROUTED CONCEALED WITHIN WALLS AND/OR ABOVE CEILINGS. WHERE APPLICABLE
- REFER TO DETAIL #1/SHEET E600 FOR EXACT MOUNTING HEIGHTS OF ALL DEVICES.

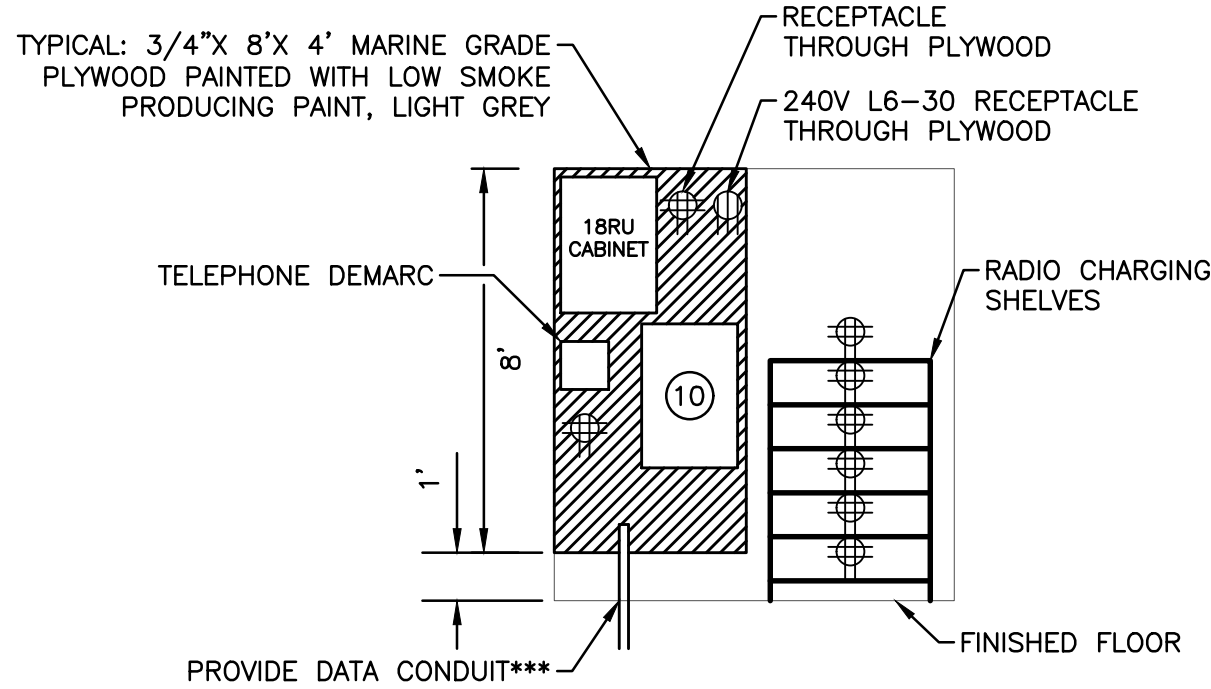
POWER KEY NOTES:

- PROVIDE 60A/2P/NF/NEMA-4X DISCONNECT SWITCH. FIELD COORDINATE EXACT LOCATION THAT MEETS NEC CLEARANCE.
- PROVIDE 60A/2P/NF/NEMA-1 DISCONNECT SWITCH. FIELD COORDINATE EXACT LOCATION THAT MEETS NEC CLEARANCE.
- PROVIDE 30A/2P/NF/NEMA-1 DISCONNECT SWITCH. FIELD COORDINATE EXACT LOCATION THAT MEETS NEC CLEARANCE.
- PROVIDE RECEPTACLE FOR CIRCULATING PUMP. FIELD COORDINATE EXACT LOCATION WITH PLUMBING FOR EXACT LOCATION PRIOR TO ROUGH-IN.
- PROVIDE 2 CHANNEL ASTRONOMICAL TIME CLOCK TO CONTROL ALL EXTERIOR LIGHTING. TIME CLOCK SHOULD OPERATE FROM DUSK TO DAWN. COORDINATE TIME WITH OWNERS SCHEDULE.
- PROVIDE NEW HAND DRYER TURBO-PRO HIGH SPEED ADA HAND DRYER-MATTE BLACK #0196-1-41. REFERENCE ARCHITECTURAL PLANS FOR EXACT MOUNTING LOCATION.
- PROVIDE MODULINK 880MP SERIES FLOOR BOX OR EQUIVALENT. PROVIDE ALL NECESSARY ACCESSORIES FOR FULL FUNCTION AND PROPER MOUNTING.
- PROVIDE (1)1-1/4" CONDUIT EACH FOR DATA AND POWER.
- PROVIDE 18RU WALL MOUNTED DATA CABINET WITH POWER SUPPLY MOUNTED INSIDE UNIT. MOUNT AS HIGH AS POSSIBLE. ALL DATA CABLING TO BE TERMINATED IN THIS CABINET. RECEPTACLE FOR POWER TO CABINET SHALL BE MOUNTED 12" BELOW THE CEILING
- APPROXIMATE LOCATION OF SECURITY CONTROLS ENCLOSURE.
- PROVIDE NEMA #L6-30 RECEPTACLE FOR I.T. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.
- PROVIDE QUAD RECEPTACLES FOR RADIO CHARGERS. REFERENCE DETAIL #2/SHEET 302 FOR ADDITIONAL INFORMATION.
- EXHAUST FAN SHALL BE CONTROLLED WITH KITCHEN HOOD. FIELD COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT REQUIREMENTS.

RECEPTACLES WITHIN THE BUSINESS OFFICES, CORRIDORS AND WAITING ROOM SHALL BE TAMPER-RESISTANT PER NEC 406.12

1
E302 ELECTRICAL ENLARGED POWER PLAN - OFFICE

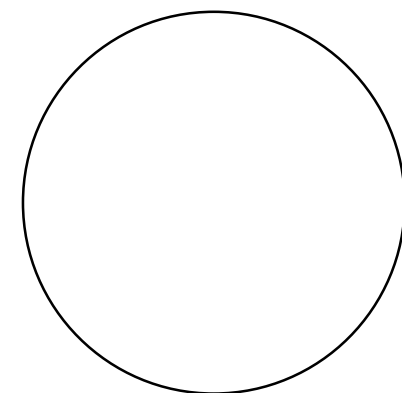
SCALE: 1/4" = 1'-0"



2
E302 WALL ELEVATION VIEW

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

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Project Address:

303 Ninth Street
Port Aransas, TX
78373

Date:

FEBRUARY 2026

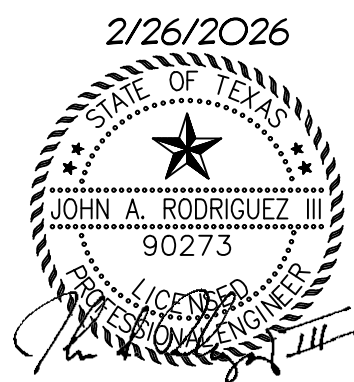
Project Name:

Lifeguard
Headquarters

Project No:

21004

ELECTRICAL-POWER-PLAN
OFFICE-05-15-2025



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Texas Firm Registration No. F-095318

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E302

POWER KEY NOTES:

- 1 PROVIDE 60A/2P/NF/NEMA-1 DISCONNECT SWITCH. FIELD COORDINATE EXACT LOCATION THAT MEETS NEC CLEARANCE.
- 2 PROVIDE 30A/2P/NF/NEMA-1 DISCONNECT SWITCH FOR OVER HEAD DOOR. FIELD COORDINATE WITH DOOR VENDOR FOR EXACT REQUIREMENTS.REFER TO DETAIL #6, SHEET E600, FOR ADDITIONAL INFORMATION.
- 3 PROVIDE BOX/CONDUIT FOR 24V CONTROL; CABLING TO EACH OVERHEAD DOOR CONTACT AT EACH DOOR. REFER TO MECHANICAL SHEETS FOR ADDITIONAL REQUIREMENTS.
- 4 PROVIDE 120V POWER, BOXES, AND CONDUITS FOR MULTI-GAS SYSTEM SENSORS. TYPICAL CIRCUIT TO B-17. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MECHANICAL CONTRACTOR. MULTI-GAS DETECTION SYSTEM TO DRIVE OVERHEAD DOORS OPEN AND TURN EXHAUST FANS ON WHEN ALARM SOUNDS. REFER TO MULTI-GAS DETECTION SYSTEM SEQUENCE OF OPERATION, THIS SHEET. REFER TO MECHANICAL SHEETS FOR ADDITIONAL REQUIREMENTS.
- 5 PROVIDE 120V CONNECTION FOR GARAGE FAN. FILED COORDINATE EXACT MOUNTING LOCATION.
- 6 IRRIGATION CONTROLLER: PROVIDE WEATHER PROOF JUNCTION BOX AND CIRCUIT. FIELD COORDINATE EXACT LOCATION PRIOR TO INSTALLATION.
- 7 APPROXIMATE LOCATION OF MAIN SERVICE DISCONNECT AND UTILITY METER. REFERENCE SHEET E100 FOR ADDITIONAL INFORMATION.
- 8 APPROXIMATE LOCATION OF MUTLI-GAS DETECTION PANEL. FIELD COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION.
- 9 APPROXIMATE LOCATION FOR HVLS-1 FAN CONTROLLER. FIELD COORDINATE WITH MECHANICAL CONTRACTOR FOR ADDITIONAL INFORMATION.
- 10 PROVIDE 240V CONNECTION FOR DRYER. FIELD COORDINATE WITH MANUFACTURE FOR ADDITIONAL REQUIREMENTS.

RECEPTACLES WITHIN THE BUSINESS OFFICES, CORRIDORS AND WAITING ROOM SHALL BE TAMPER-RESISTANT PER NEC 406.12

Multi-Gas Detection System Sequence of Operation:

Normal Operation:

- During normal operation, the multi-gas detection system continuously monitors gas levels in the designated area.
- The system operates in standby mode with the exhaust fans and overhead doors in their default closed positions.

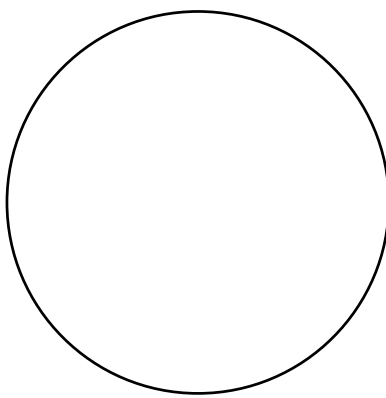
Alarm Activation:

- When the multi-gas detection system detects the presence of hazardous gases exceeding predefined alarm thresholds, it will activate an alarm condition.

Gas Alarm Response:

- Upon gas alarm activation, the following actions will take place:
 - The exhaust fans serving the alarmed area will be initiated to start, drawing contaminated air out of the area.
 - The exhaust fans will operate at maximum capacity (100%) to ensure rapid ventilation.
 - Simultaneously, the overhead doors, or any other designated emergency exits, will automatically open to aid in the removal of contaminated air and provide a safe egress route.

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Date:

MAY 2025

Project Name:

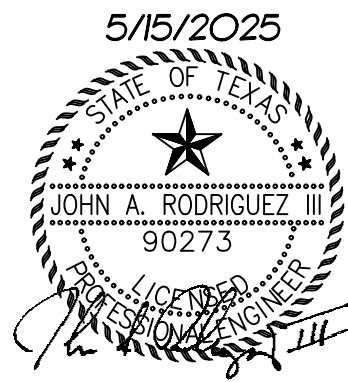
Lifeguard
Headquarters

Project No:

21004

ELECTRICAL-POWER-PLAN
GARAGE-05-15-2025

E303

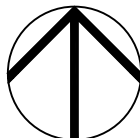


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Plan North



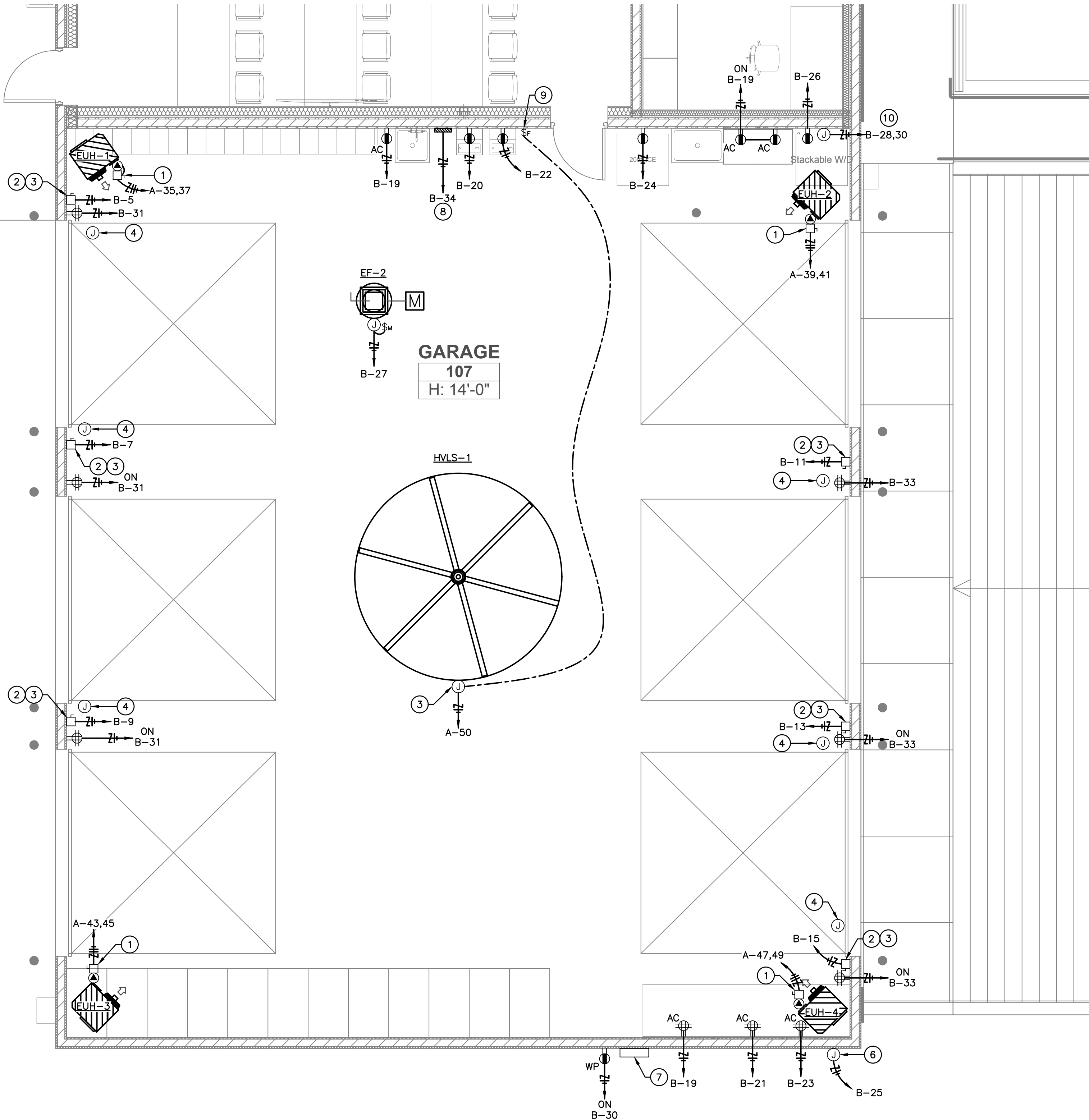
1
E303

ELECTRICAL ENLARGED POWER PLAN - GARAGE

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



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



GENERAL NOTES:

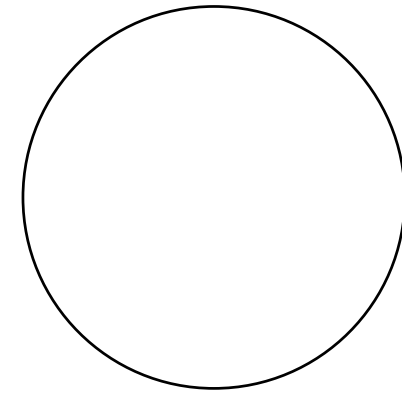
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- G. ALL CONDUIT SHALL BE ROUTED CONCEALED WITHIN WALLS AND/OR ABOVE CEILINGS. WHERE APPLICABLE
- H. REFER TO DETAIL #1/SHEET E600 FOR EXACT MOUNTING HEIGHTS OF ALL DEVICES.

POWER KEY NOTES:

- 1 PROVIDE SURFACE MOUNTED DATA OUTLET FOR WIRELESS ACCESS POINT. ROUTE CONDUIT TO I.T RACK IN CLOSET ROOM #105.
- 2 APPROXIMATE LOCATION OF SECURITY CAMERA ROUGH-IN. REFERENCE VENDOR'S PLAN FOR EXACT REQUIREMENTS.

ALL ROUGH-INS FOR ANY DEVICE SHOWN IN AREA WITH NO CEILING SHALL BE PIPED TO CLOSET ROOM #105 AND TERMINATED AT THE TELEPHONE BOARD.

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303 Ninth Street
Port Aransas, TX
78373

Date:
MAY 2025

Project Name:
Lifeguard
Headquarters

Project No:
21004

ELECTRICAL-SPECIAL-SYSTEMS
PLAN-05-15-2025

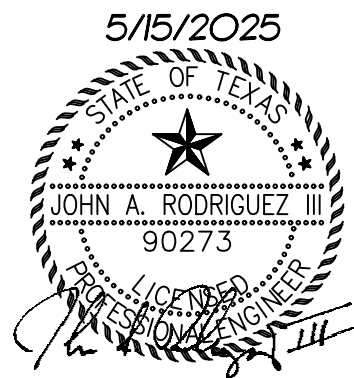
Project Date

Issue

Revision

phone: 361 537 4400 enzyaia@edrarchitects.com

E401

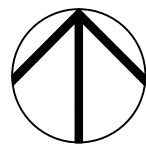


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Plan North



1
E401

ELECTRICAL SPECIAL SYSTEMS PLAN

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

8' 4' 0 8'

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

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May 15, 2025 -- 6:10pm

24214_ELEC.dwg

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LIGHT FIXTURE SCHEDULE						
TYPE	MANUFACTURER & CATALOG NO.	VOLTAGE	WATTS	LUMENS	TEMP	MOUNTED
A2	LITHONIA #CPX-2X2-3200LM-80CRI-40K-SWL-MIN10-ZT-MVOLT	120V	31	3734	4000K	RECESSED
A4	LITHONIA #CPX-2X4-4000LM-80CRI-40K-SWL-MIN10-ZT-MVOLT	120V	37	4935	4000K	RECESSED
B	LITHONIA #LBR4 NCH-AL02(1000LM)-4000K-CBA-LSS-WD-MVOLT-UGZ	120V	13	1328	4000K	RECESSED
C16	MARK LIGHTING #S4PID-LLP-16FT-MSLB-80CRI-4000K-1000LMF-DBW-I80CRI-I40K-1300LMF-BW-SCT-MIN10-FL-L-MVOLT-RALT-B-ZT	120V	159	2912	4000K	SUSPENDED
D	LITHONIA #CLX-L48-4000LM-SEF-FDL-MVOLT-GZ10-40K-80CRI-WH-ZACVH M100	120V	26	3955	4000K	SUSPENDED
F	LUX DYNAMICS #BASE-8-840-U10-HM-CA-2P10-CBA	120V	156	24436	4000K	SUSPENDED
FX	LUX DYNAMICS #BASE-8-840-U10-HM-CA-E10-2P10-CBA	120V	156	24436	4000K	SUSPENDED
EX	LITHONIA #LHQM-LED-R-SD	120V	3	-	-	SURFACE
OA	LITHONIA #WFX1-LED-P2-4000K-MVOLT-CBA	120V	24	2912	4000K	SURFACE
OB	LUMINAIRE #BLD-36IN-MIN1-15W-4000K-MVOLT-DP-CBA	120V	15	1537	4000K	SURFACE
OC	BEGA #B24503-4000K-CBA-MCU	120V	14	2023	4000K	SURFACE
OD	LITHONIA #DSXF1-LED-4000K-HMF-MVOLT-IS-CBA	120V	42	4693	4000K	GROUND

NOTE: CBA = COLOR BY ARCHITECT (INCLUDES CUSTOM FIXTURE FINISHES)
1) PROVIDE HARD CEILING MOUNTING KIT #F2/144A-SQCY-CBA-CBA. MOUNT PENDANT @12' AFF FROM BOTTOM OF FIXTURE.

PANEL ' A '											
400 AMP, M.L.O., 120/240 V, 1P, 3W, S/N, SURFACE, NEMA 1, 22 KAIC											
CKT #	LOAD SERVED	LOAD	CONDUIT & WIRE SIZE	BKR SIZE	A	B	BKR SIZE	CONDUIT & WIRE SIZE	LOAD	LOAD SERVED	CKT #
1	SPD		#10 AWG	30/2	A	20/1		#12 AWG	126	FLAG LTG	2
3	"		#10 AWG		B	20/1		#12 AWG	293	BUILDING LTG	4
5	AHU-1	1164	#12 AWG	20/2	A	20/1		#12 AWG	864	OFFICE LTG	6
7		1164	#12 AWG		B	20/1		#12 AWG	1248	GARAGE LTG	8
9	AHU-2	600	#12 AWG	20/2	A	20/1		#12 AWG	500	LTG CONTROL	10
11		600	#12 AWG		B	20/1		#12 AWG	360		12
13	CU-1	2760	#8 AWG	40/2	A	30/2		#10 AWG	3000	RECEPTACLE	14
15		2760	#8 AWG		B			#10 AWG	3000	"	16
17	CU-2	2760	#8 AWG	40/2	A	20/1		#12 AWG	360	IT QUAD	18
19		2760	#8 AWG		B	20/1		#12 AWG	600	SECURTY PNL	20
21	CU-3	3240	#8 AWG	40/2	A	20/1		#12 AWG	360	HALLWAY RCPT	22
23		3240	#8 AWG		B	20/1		#12 AWG	360	RR RCPT	24
25	SERVICE RCPT	180	#12 AWG	20/1	A	20/1		#12 AWG	800	HAND DRYER	26
27	SERVICE RCPT	180	#12 AWG	20/1	B	20/1		#12 AWG	800	HAND DRYER	28
29	CIRCULATING PUMP	360	#12 AWG	20/1	A	20/1		#12 AWG	800	COFFEE	30
31	EW1	2250	#10 AWG	30/2	A	G 20/2		#12 AWG	1700	OVEN	32
33		2250	#10 AWG		B			#12 AWG	1700		34
35	EHU-1	3750	#8 AWG	40/2	B	20/1		#12 AWG	500	HOOD	36
37		3750	#8 AWG		A	G 20/1		#12 AWG	1000	DISH WASHER	38
39	EHU-2	3750	#8 AWG	40/2	B	20/1		#12 AWG	360	KITCHEN RCPT	40
41		3750	#8 AWG		A	20/1		#12 AWG	800	MICROWAVE	42
43	EHU-3	3750	#8 AWG	40/2	B	20/1		#12 AWG	800	COFFEE	44
45		3750	#8 AWG		A	G 20/1		#12 AWG	1000	FRIDGE	46
47	EHU-4	3750	#8 AWG	40/2	B	20/1		#12 AWG	540	TV RCPT	48
49		3750	#8 AWG		A	20/1		#12 AWG	1080	OFFICE #103 RCPT	50
50	HVLS-1	1200	#12 AWG	20/1	B	125/2		RE:ONE-LINE	14640		52
51	SPARE				A			RE:ONE-LINE	12220	PANEL B	54

CONNECTED LOAD = 107279 VA PHASE A = 52924 VA PHASE B = 54355 VA
G - PROVIDE GFCI BREAKER. IF BREAKER NOT AVAILABLE PROVIDE EXTERNAL CLASS-A GRROUND FAULT LEAKAGE DETECTOR.

PANEL ' B '											
125 AMP, M.L.O., 120/240 V, 1P, 3W, S/N, SURFACE, NEMA 1, 22 KAIC											
CKT #	LOAD SERVED	LOAD	CONDUIT & WIRE SIZE	BKR SIZE	A	B	BKR SIZE	CONDUIT & WIRE SIZE	LOAD	LOAD SERVED	CKT #
1	SPD		#10 AWG	30/2	A	20/1		#12 AWG	900	READY ROOM RCPT	2
3	"		#10 AWG		B	20/1		#12 AWG	360	READY ROOM RCPT	4
5	OVERHEAD DOOR	1000	#12 AWG	20/1	A	20/1		#12 AWG	360	READY ROOM RCPT	6
7	OVERHEAD DOOR	1000	#12 AWG	20/1	B	20/1		#12 AWG	360	READY ROOM RCPT	8
9	OVERHEAD DOOR	1000	#12 AWG	20/1	A	20/1		#12 AWG	900	READY ROOM RCPT	10
11	OVERHEAD DOOR	1000	#12 AWG	20/1	B	20/1		#12 AWG	720	CLOSET RCPT	12
13	OVERHEAD DOOR	1000	#12 AWG	20/1	A	20/1		#12 AWG	1080	RADIO CHARGERS	14
15	OVERHEAD DOOR	1000	#12 AWG	20/1	B	20/1		#12 AWG	1080	RADIO CHARGERS	16
17	GAS SENSOR	1200	#12 AWG	20/1	A	20/1		#12 AWG	540	GARAGE RCPT	18
19	GARAGE QUAD	360	#12 AWG	20/1	B	20/1		#12 AWG	180	FOUNTAIN RCPT	20
21	GARAGE QUAD	360	#12 AWG	20/1	A	20/1		#12 AWG	180	FOUNTAIN RCPT	22
23	GARAGE QUAD	360	#12 AWG	20/1	B	20/1		#10 AWG	1000	ICE MAKER	24
25	IRRIGATION CNTRL	500	#12 AWG	20/1	A	20/1		#10 AWG	1000	WASHER	26
27	EF-2	500	#12 AWG	20/1	B	30/2		#10 AWG	2500	DRYER	28
29	EXTERIOR RCPT	540	#12 AWG	20/1	A			#10 AWG	2500		30
31	GARAGE RCPT	1080	#12 AWG	20/1	B	20/1		#12 AWG	720	EXTERIOR RCPT	32
33	GARAGE RCPT	1080	#12 AWG	20/1	A	20/1		#12 AWG	500	MULTI-GAS DET. SYS.	34
35	SPARE			20/1	B	20/1				SPARE	36
37	SPARE			20/1	A	20/1				SPARE	38
39	SPARE			20/1	B	20/1				SPARE	40
41	SPARE			20/1	A	20/1				SPARE	42

CONNECTED LOAD = 26860 VA PHASE A = 14640 VA PHASE B = 12220 VA

UPON FINAL ROOM NAMING, CONTRACTOR SHALL COMPLETE PANEL DIRECTORIES WITH SPECIFIC SPACE DESCRIPTIONS AS MUCH AS PRACTICAL. COPYING PANEL SCHEDULES FROM DRAWINGS IS NOT ACCEPTABLE.

ESTIMATED ELECTRICAL LOAD			
120/240V, 1Ø,3W			
DESCRIPTION	CONNECTED LOAD	DEMAND FACTOR	NEC DEMAND
LIGHTING	2531	125%	3164
RECEPTACLES	22200	NEC 220-44	16100
KITCHEN EQUIPMENT	4900	NEC 220-56	3920
H.V.A.C.	40008	100%	40008
LARGEST MOTOR	0	125%	0
MOTOR LOAD	0	100%	0
MISC. SINGLE PHASE LOADS	26600	100%	26600
TOTAL VOLT-AMPERES	96239		89792
89792 VA / (240V)	=	374.1	AMPS

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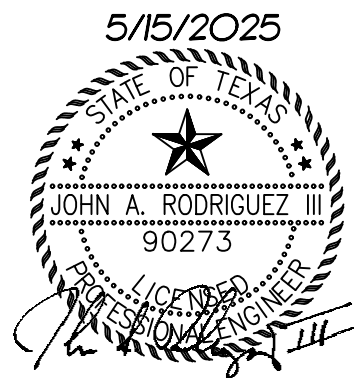
Project Address:
303 Ninth Street
Port Aransas, TX
78373

Date:
MAY 2025

Project Name:
Lifeguard
Headquarters

Project No:
21004

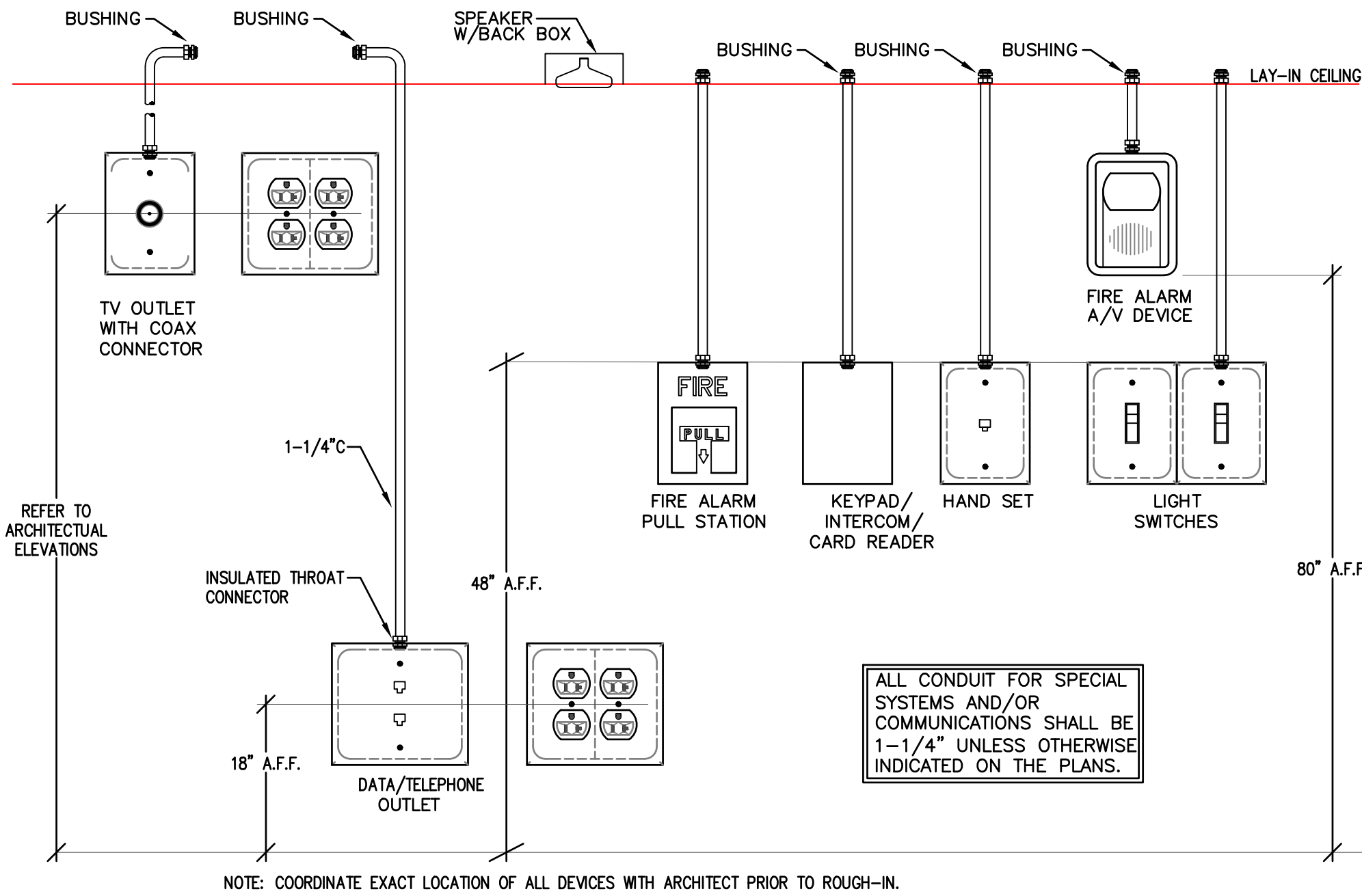
ELECTRICAL-ONE-LINE
DIAGRAM-05-15-2025



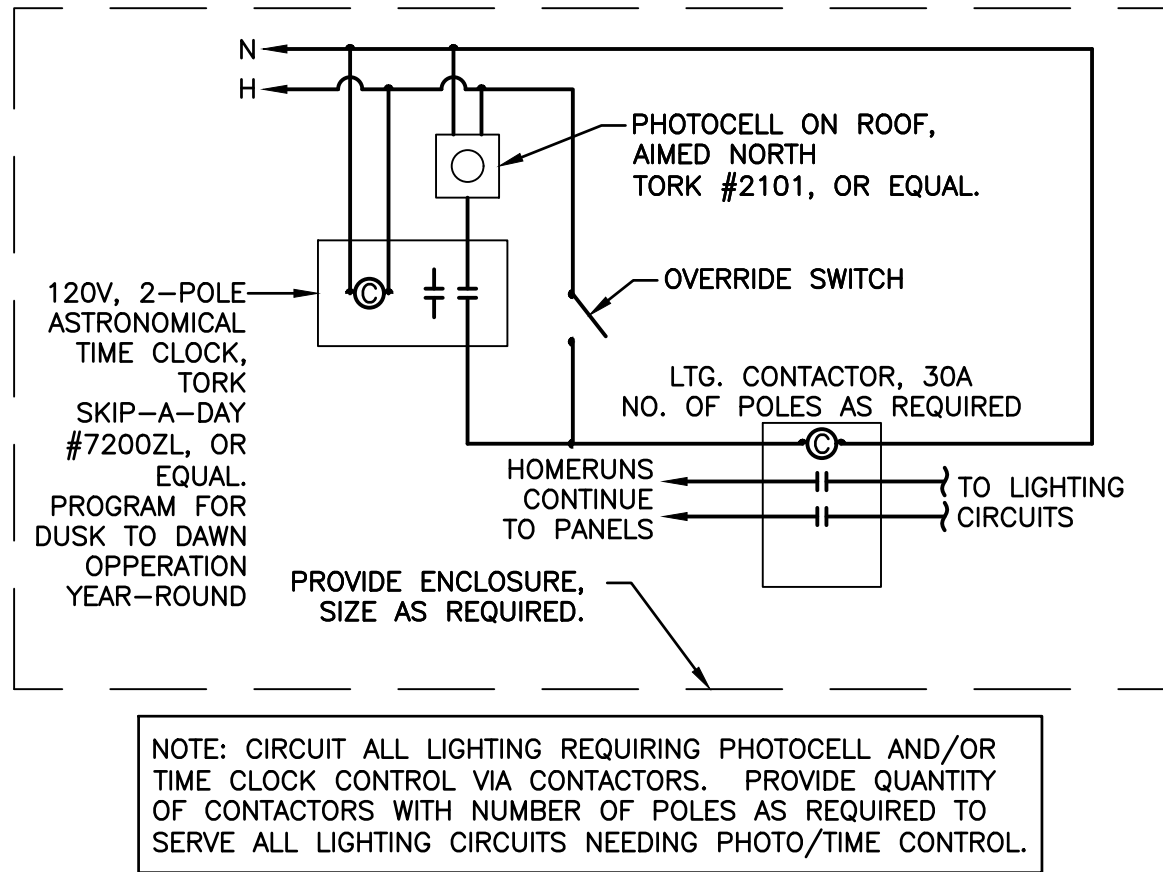
5606 S. Shoppes, Suite 312
Corpus Christi, TX 78411
P: (361)852-2727 F: (361)852-2922
Texas Firm Registration No. F-095318

24214

E500



1 TYPICAL DEVICE ELEVATIONS (UNLESS NOTED OTHERWISE)
NOT TO SCALE

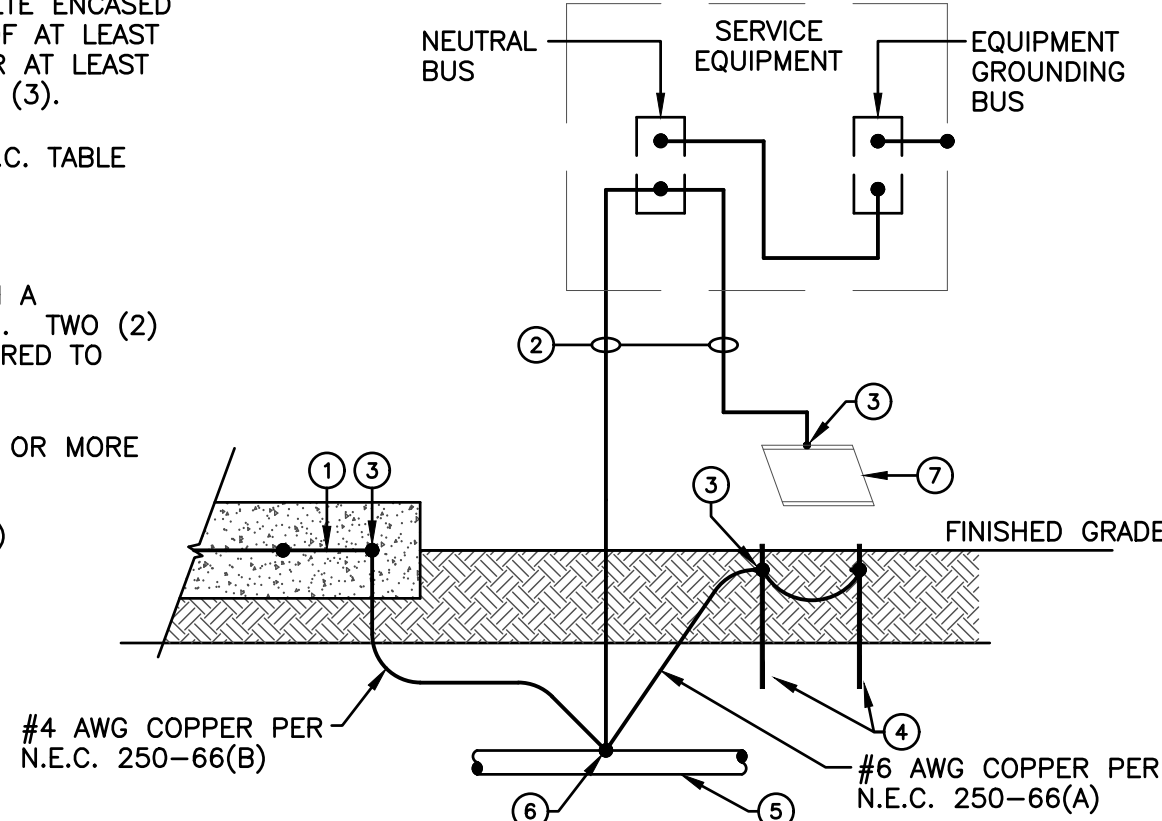


3 LIGHTING CONTROL SCHEMATIC
NOT TO SCALE

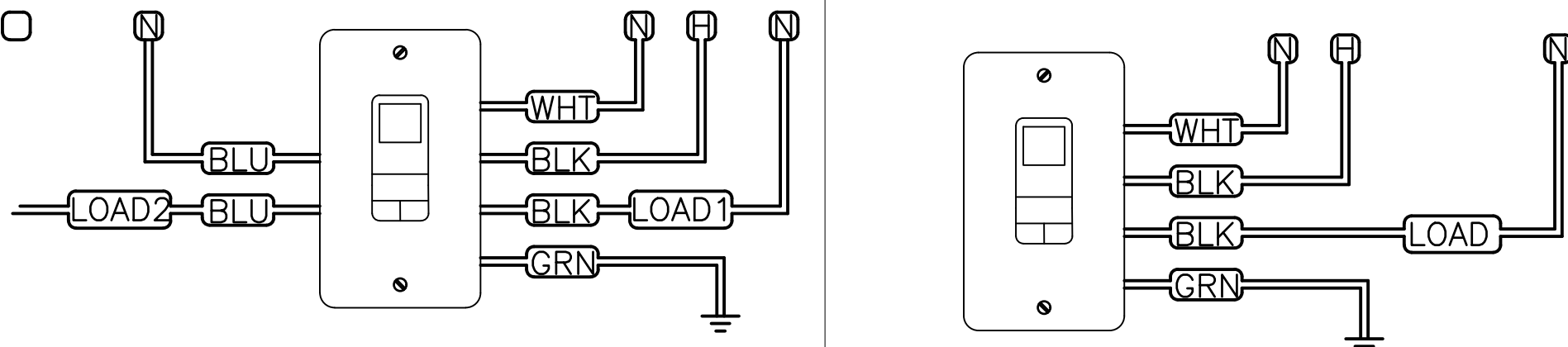
GROUNDING ELECTRODE KEYED NOTES (THE FOLLOWING GROUNDING ELECTRODES ARE PERMITTED FOR GROUNDING)

- 1 WHEN THE BUILDING FOUNDATION IS IN DIRECT CONTACT WITH THE EARTH, A CONCRETE ENCASED ELECTRODE ENCASED BY A MINIMUM OF 2" CONCRETE OF FOULATION CONSISTING OF AT LEAST 20' OF ONE OR MORE STEEL REINFORCING BARS NOT LESS THAN 1/2" DIAMETER OR AT LEAST 20' OF BARE COPPER CONDUCTOR NOT LESS THAN #4 AWG. PER N.E.C. 250.52 (A) (3).
- 2 RGS CONDUIT WITH FULL SIZE COPPER GROUNDING ELECTRODE CONDUCTOR PER N.E.C. TABLE 250-66
- 3 CONNECTION SHALL BE CADWELD COPPER-BASED EXOTHERMIC WELD.
- 4 REQUIRED: COPPER BONDED STEEL ELECTRODE 3/4" IN DIAMETER 10'-0" LONG WITH A MINIMUM OF 8'-0" IN DIRECT CONTACT WITH THE EARTH PER N.E.C. 250-52 (A) (5). REQUIRED, SEPARATE BY 6' MINIMUM. PROVIDE ADDITIONAL GROUND RODS AS REQUIRED TO ACHIEVE LESS THAN 25 OHMS RESISTANCE OR PER UTILITY COMPANY REQUIREMENTS.
- 5 METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10'-0" OR MORE PER N.E.C. 250.52 (A) (1)
- 6 BOLTED TYPE CONNECTION SUITABLE FOR DIRECT BURIAL OR EXOTHERMIC WELD (TYP)
- 7 METAL FRAME OF BUILDING PER N.E.C. 250.52 (A) (2)

GROUNDING ELECTRODE SYSTEM INSTALLATION SHALL CONFORM TO N.E.C. 250.53. IF A SINGLE ROD, PIPE, OR PLATE GROUNDING ELECTRODE HAS A RESISTANCE TO EARTH OF 250HMS OR LESS, THE SUPPLEMENTAL ELECTRODE SHALL NOT BE REQUIRED. IF 250HMS OR LESS CONTRACTOR SHALL PERFORM A GROUNDING RESISTANCE TEST. IF 250HMS OR LESS CANNOT BE ACHIEVED, THE CONTRACTOR SHALL PROVIDE ADDITIONAL SUPPLEMENTAL ELECTRODES PER N.E.C. 250.53 (A) (2).

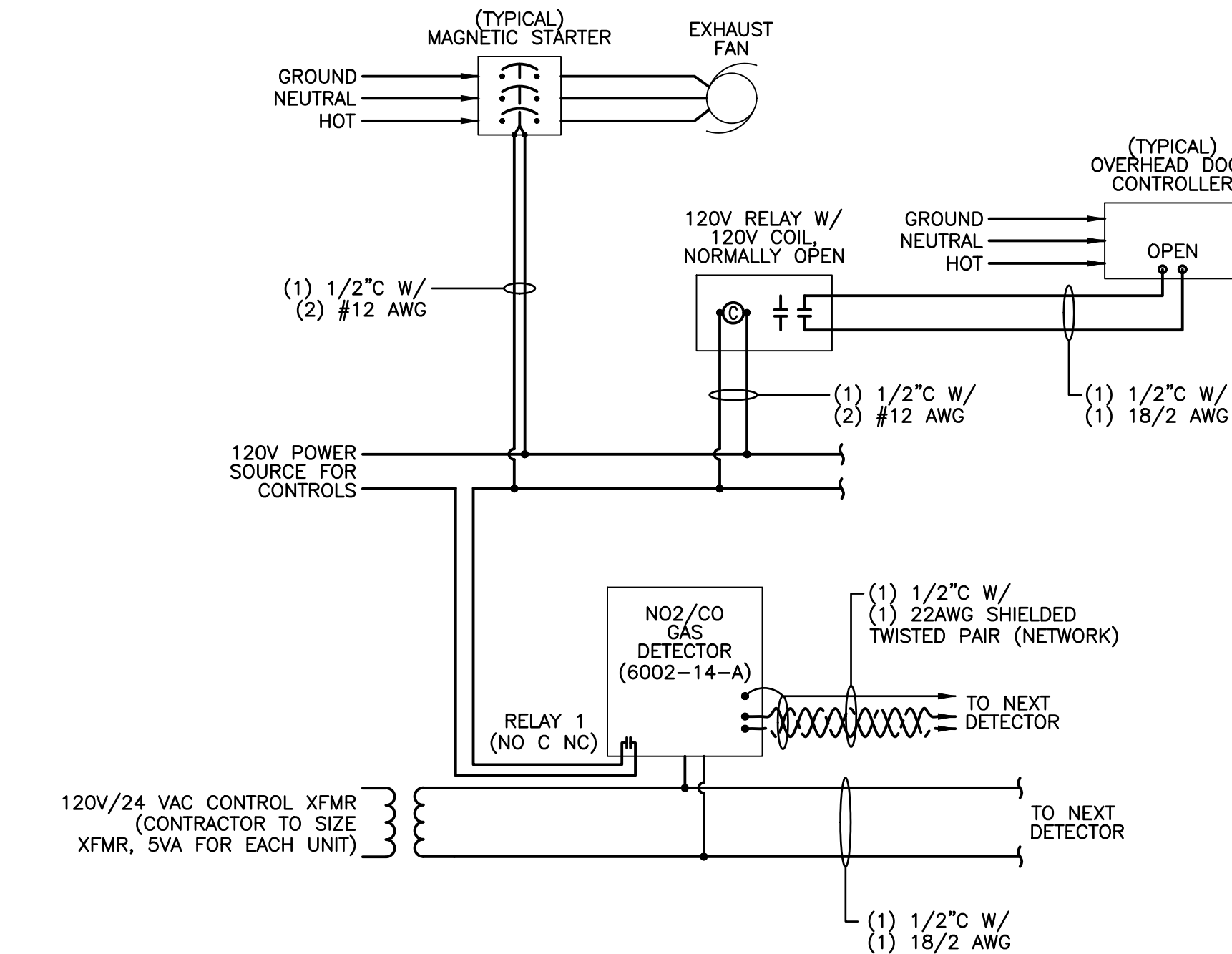


2 GROUNDING ELECTRODE SYSTEM DETAIL
NOT TO SCALE



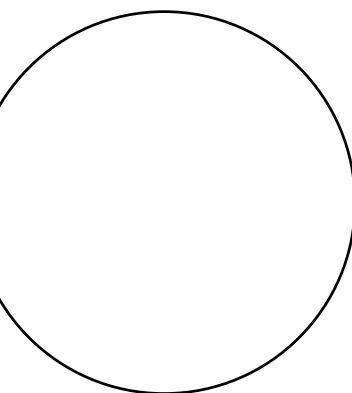
4 DUAL RELAY WIRING DIAGRAM
NOT TO SCALE

5 SINGLE RELAY WIRING DIAGRAM
NOT TO SCALE



6 MULTI-GAS DET. SYS. EXHAUST FAN / OVERHEAD DOOR DETAIL
NOT TO SCALE

EDR architects



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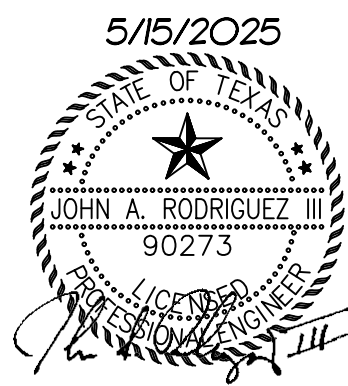
Project Address:
303 Ninth Street
Port Aransas, TX
78373

Project Name:
Lifeguard
Headquarters

Project No:
21004

ELECTRICAL-DETAILS
05-15-2025

Sheet Title



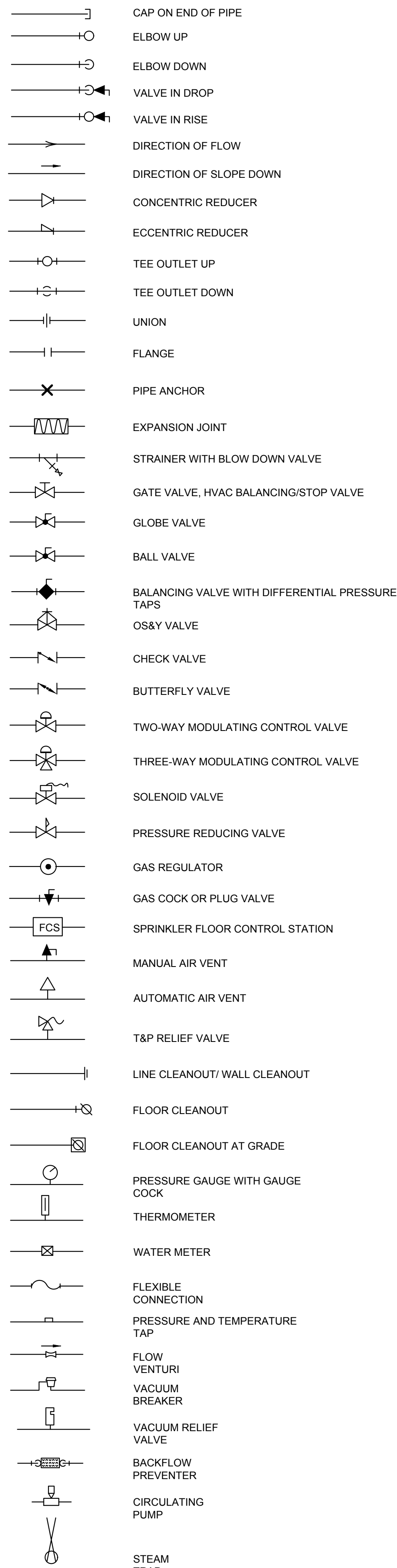
NRG ENGINEERING

5606 S. Shoppes, Suite 312
Corpus Christi, TX 78411
P: (361) 852-2727 F: (361) 852-2922
Texas Firm Registration No. F-095318

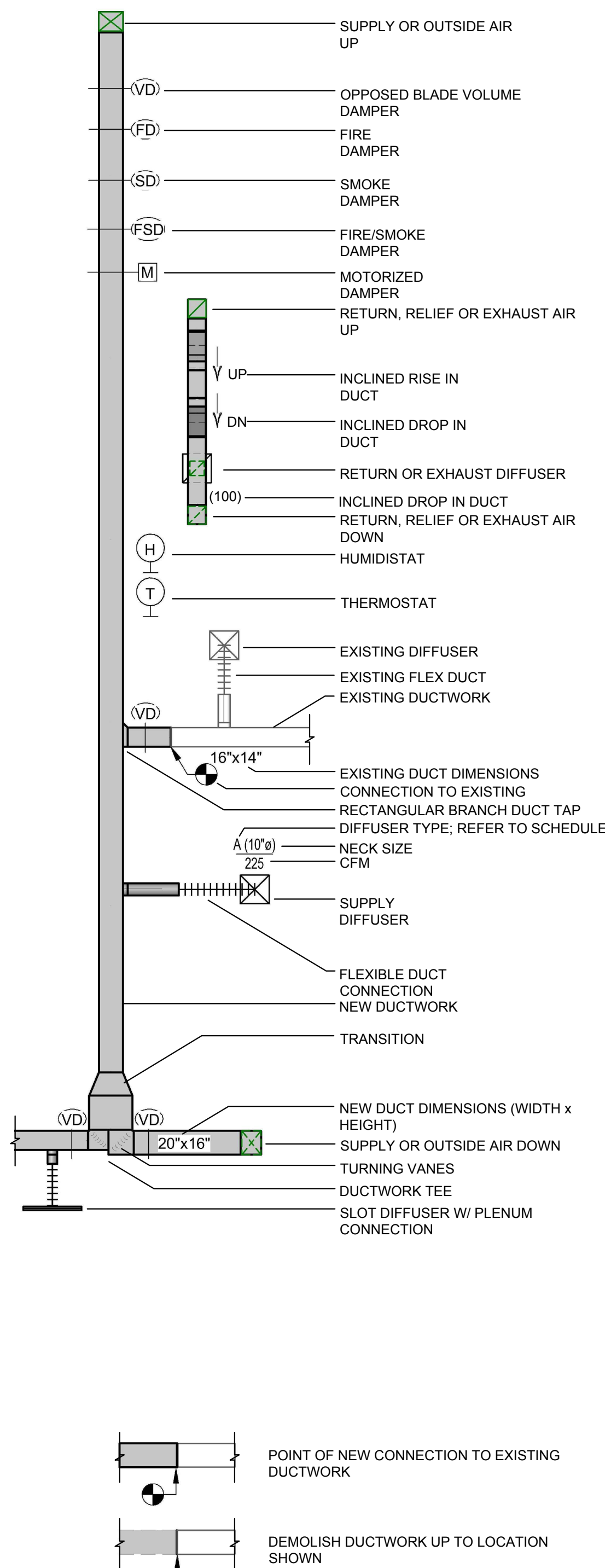
24214

MECHANICAL SYMBOLS

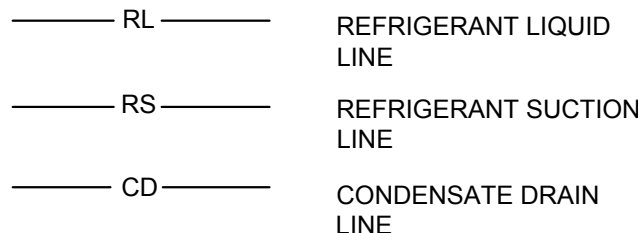
PIPING SYMBOLS



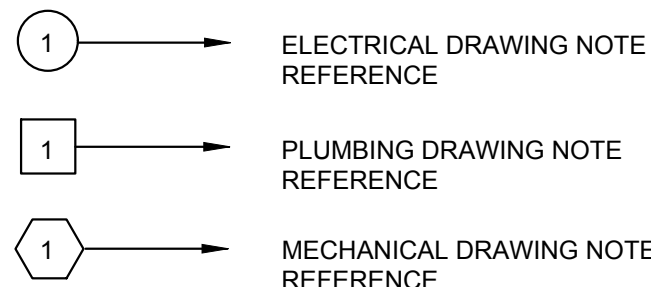
DUCTWORK



PIPING TYPES



MISCELLANEOUS



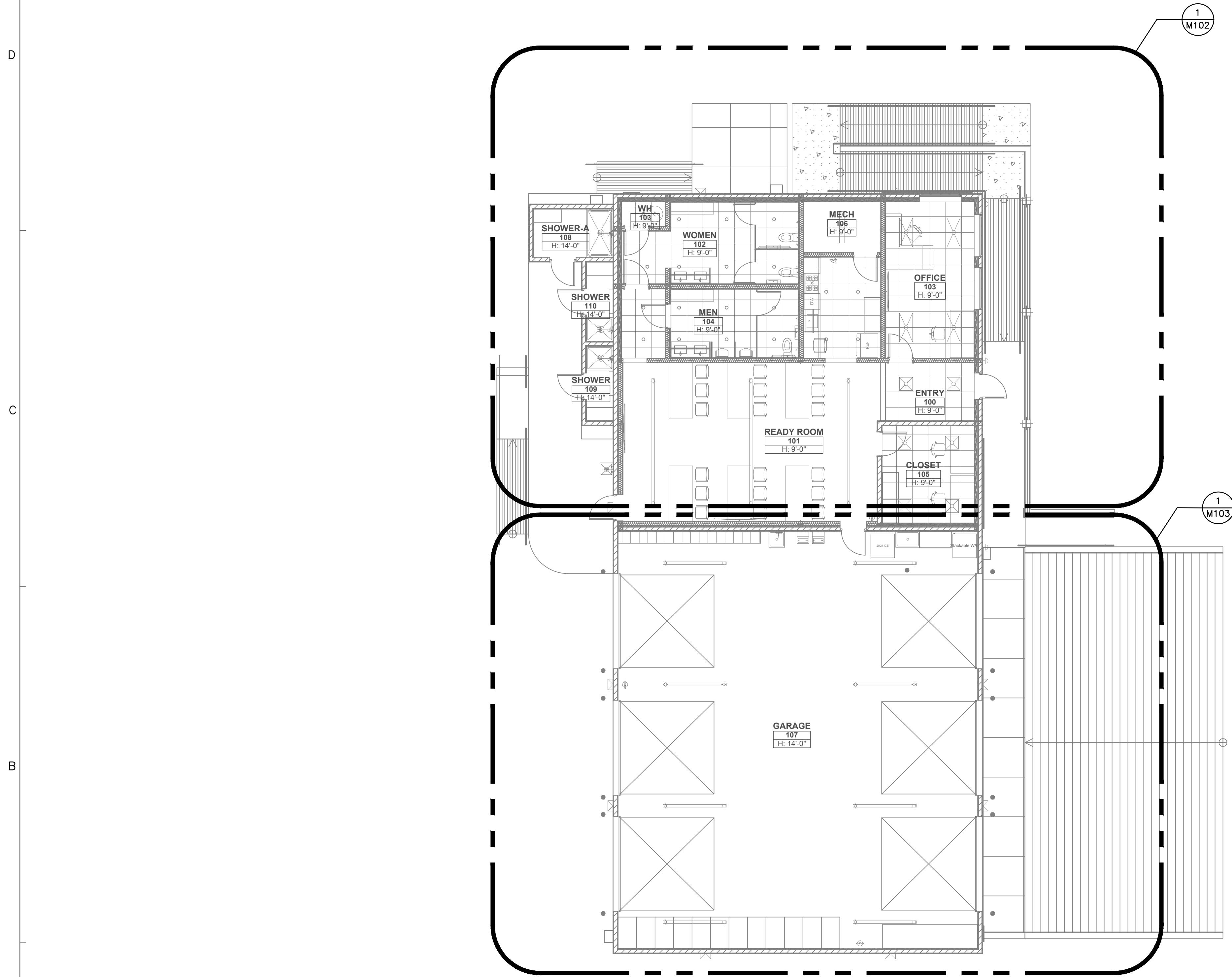
MECHANICAL GENERAL NOTES

1. PIPING AND DUCTWORK ON DRAWINGS ARE SCHEMATIC ONLY. COORDINATE WITH OTHER TRADES FOR PIPING AND DUCTWORK ROUTING, OFFSET AND RUN PIPING/DUCTWORK INSIDE THE STRUCTURE IF REQUIRED. PROVIDE ALL NECESSARY PIPING, DUCTWORK, FITTINGS, INSULATION, AND OTHER ACCESSORIES.
2. EXACT LOCATIONS OF GRILLES AND DAMPERS SHALL BE FIELD COORDINATED WITH OTHER TRADES TO AVOID CONFLICTS AND ALLOW ADEQUATE CLEARANCE AND EASY ACCESS.
3. COORDINATE LOCATIONS OF FLOOR AND WALL OPENINGS WITH ARCHITECT AND STRUCTURAL ENGINEER.
4. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
5. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF ALL OUTSIDE AIR INTAKES TO MAINTAIN 10 FEET DISTANCE BETWEEN OUTSIDE AIR INTAKES AND ANY EXHAUST AIR OUTLET, FLUES OR PLUMBING VENTS.
6. NO PIPE HANGERS SHALL BE SPACED MORE THAN 10'-0". COMPLY WITH PIPE SPACING AS SPECIFIED IN THE PIPE SUPPORT SPECIFICATION.
7. CONTRACTOR SHALL COMPLY WITH ALL STATE, LOCAL, AND FEDERAL CODES AND AUTHORITIES HAVING JURISDICTION.
8. EQUIPMENT SIZES, DIMENSIONS, AND REQUIRED CONNECTIONS SHALL BE VERIFIED WITH THE MANUFACTURER DRAWINGS AND CUTSHEETS BEFORE FABRICATION OF DUCTWORK, PIPING, OR POURING OF CONCRETE HOUSEKEEPING PADS.
9. CONTRACTOR SHALL VERIFY DUCTED RETURN AIR PATH BACK TO ALL UNITS. REFER TO FLOOR PLANS AND AIR DEVICE TAGS FOR EXACT SIZING. WHERE RETURN AIR PATH IS ROUTED THROUGH A FIRE RATED WALL, A FIRE DAMPER SHALL BE PROVIDED IN THE DUCTWORK.
10. COORDINATE EXACT LOCATION, FINISH, AND COLOR OF ALL AIR DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.
11. ALL EXPOSED DUCTWORK SHALL BE INTERNALLY LINED.
12. PROVIDE ACCESS PANEL FOR ALL HVAC EQUIPMENT LOCATED ABOVE HARD CEILING. SIZE PANEL PER MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES AND COORDINATE WITH ARCHITECT FOR FINISH.
13. PROVIDE TEMPERATURE SENSORS, HUMIDISTATS AND CO2 SENSORS AT LOCATIONS INDICATED ON PLANS. MOUNT TEMPERATURE SENSORS 2'-0" BELOW THE FINISHED CEILING AND NEAR A RETURN AIR GRILLE. ENSURE ALL TEMPERATURE SENSORS ARE CLEAR OF CASEWORK PRIOR TO FINAL ROUGH-IN. MOUNT HUMIDISTATS AND CO2 SENSORS AT THE SAME ELEVATION AS LIGHT SWITCHES. COORDINATE EXACT LOCATIONS WITH ARCHITECT.
14. PROVIDE SPIN-IN CONNECTION WITH LOCKING QUADRANT BUTTERFLY FOR ALL ROUND DUCTWORK CONNECTED TO RECTANGULAR DUCT.
15. DUCT SIZES SHOWN ON PLANS ARE CLEAR INSIDE DIMENSIONS.
16. ALL LOW PRESSURE DUCTWORK AND ASSOCIATED ACCESSORIES SHALL BE CONSTRUCTED TO MEET THE LATEST SMACNA STANDARDS FOR MEDIUM AND LOW PRESSURE DUCTWORK.
17. PROVIDE AIRFOIL TYPE TURNING VANES IN ALL 90 DEGREE ELBOWS.
18. FASTEN AND SEAL ALL DUCTWORK JOINTS, LONGITUDINAL AND TRAVERSE SEAMS AND CONNECTIONS PER ASHRAE 90.1 SECTION 6.4.4.2.1. DUCT SEALANT SHALL BE INSPECTED PRIOR TO DUCTWORK BEING INSULATED.
19. ALL EXPOSED DUCTWORK AND PIPING ALONG WITH ASSOCIATED ACCESSORIES IN AREAS WITH NO CEILING OR PARTIAL CEILING SHALL BE PAINTED. REFER TO ARCHITECT FOR COLOR.
20. PROVIDE REMOTE SPIN-IN CONNECTION FOR ALL ROUND DUCTWORK CONNECTED TO RECTANGULAR DUCT LOCATED ABOVE A HARD CEILING.
21. ALL EQUIPMENT LOCATED OUTDOORS SHALL BE SELECTED TO WITHSTAND 150 MPH WINDS AND SHALL BE SECURED DIRECTLY TO STRUCTURE/GRADE. ALL FANS, RELIEF HOODS, AND INTAKE HOODS SHALL BE SECURED TO CURB USING STEEL CABLES. ALL PIPE SUPPORTS AND CONDUIT SUPPORTS SHALL BE ANCHORED TO ROOF DECK. ALL AIR COOLED CONDENSING UNITS SHALL BE ANCHORED TO ROOF DECK. VIBRATION ISOLATORS SHALL INCLUDE UPLIFT SECUREMENT.
22. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE VERIFIED EXISTING JOBSITE CONDITIONS DURING THE BIDDING PERIOD, SO THEY WILL HAVE OBTAINED THE SCOPE OF MECHANICAL WORK INVOLVED AS A RESULT OF ARCHITECTURAL MODIFICATIONS TO THE EXISTING STRUCTURE. THE SCOPE OF WORK SHALL INCLUDE MATERIALS AND DUCTWORK CONSISTING OF DEVICES, EQUIPMENT, OR APPARATUS WHICH MUST BE REROUTED, RELOCATED, OR REMOVED EITHER TEMPORARILY OR PERMANENTLY, OR WHICH MUST BE PROVIDED SO THAT THE INDICATED REMODELING MAY BE ACCOMPLISHED. NOT ALL EXISTING CONDITIONS ARE NECESSARILY INDICATED ON DRAWINGS, CONTRACTOR SHALL DEMOLISH ONLY WHAT IS INDICATED TO BE DEMOLISHED ON DRAWINGS.
23. COORDINATE ALL MOUNTING LOCATIONS AND HEIGHTS OF AIR DEVICES WITH ARCHITECT PRIOR TO FINAL INSTALLATION.

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1
M101

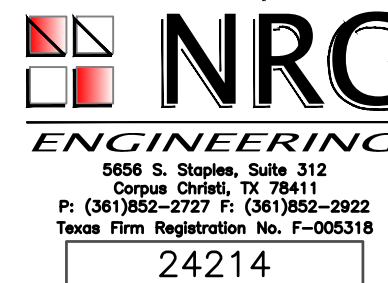
MECHANICAL OVERALL PLAN

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

North



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



5/15/2025
SEAN M. RODRIGUEZ
96478
LICENSED PROFESSIONAL ENGINEER
STATE OF TEXAS
24214

M101

MECHANICAL OVERALL PLAN
Project No: 21004
Project Date: MAY 2025

Project Name:
Lifeguard
Headquarters

Project Address:
303 Ninth Street
Fort Aransas, TX
78373

Date: MAY 2025

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1 001 REV: 02 26 2026

30 SEP 2006

21004

MECHANICAL ENLARGED PLAN
OFFICES / READY ROOM

M102



4' 2' 0 4'

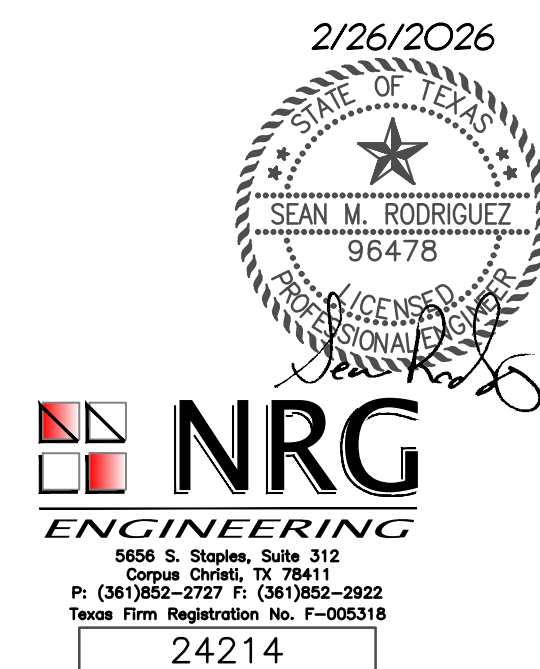
SCALE: 1/4" = 1' - 0"

GENERAL NOTE:

- PAINT ALL EXPOSED DUCTWORK AND GRILLS IN THIS SPACE CUSTOM COLOR PER ARCHITECT.
- INTERNALLY INSULATE ALL EXPOSED DUCTWORK.
- INSULATE ALL CONDENSATE DRAIN LINES WITH 1" CLOSED CELL INSULATION.

- 1 PROVIDE HOOD MANUFACTURER'S RECOMMENDED WALL CAP.
- 2 BALANCE TO AIRFLOW LISTED ON LOUVER SCHEDULE.
- 3 BALANCE TO DIFFERENCE BETWEEN SUPPLY AIRFLOW AND OUTSIDE AIR FLOW AS SCHEDULED IN DX AHU SCHEDULE.
- 4 PROVIDE RESIDENTIAL STYLE KITCHEN HOOD EQUAL TO GREENHECK GRRS MODE. REFER TO SHEET M302 FOR HOOD DETAILS.
- 5 WRAP KITCHEN HOOD DUCTWORK WITH FIRE RATED INSULATION BLANKET AS PER THE SPECIFICATIONS.
- 6 ROUTE REFRIGERANT PIPE AS SHOWN. REFRIGERANT PIPING SHALL RISE UP ALONG WALL AND PUNCH THROUGH WALL ABOVE CEILING. ROUTE INTERIOR REFRIGERANT PIPING TO MECHANICAL ROOM AS REQUIRED.
- 7 3/4" CONDENSATE DRAIN. TERMINATE AT FLOOR DRAIN WITH CODE REQUIRED AIR GAP.

1 MECHANICAL ENLARGED PLAN - OFFICES/READY ROOM
M102 SCALE: 1/4" = 1'-0"



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A

B

C

D

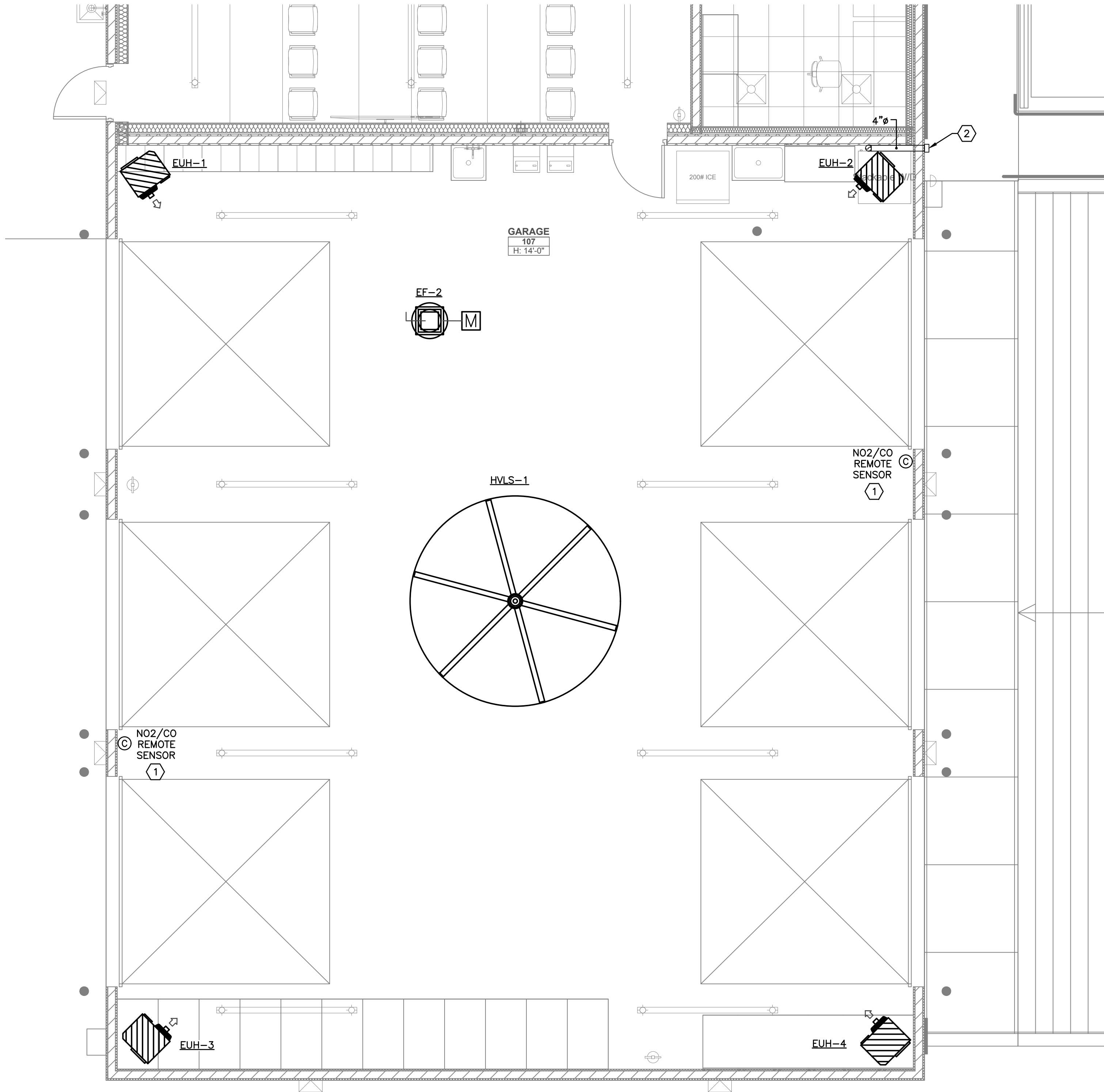
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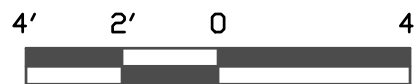


1
M103

MECHANICAL ENLARGED PLAN - GARAGE

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

North



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

GENERAL NOTE:
- PAINT ALL EXPOSED DUCTWORK AND GRILLS IN THIS SPACE.
- INTERNALLY INSULATE ALL EXPOSED DUCTWORK.
- INSULATE ALL CONDENSATE DRAIN LINES WITH 1" CLOSED CELL INSULATION.

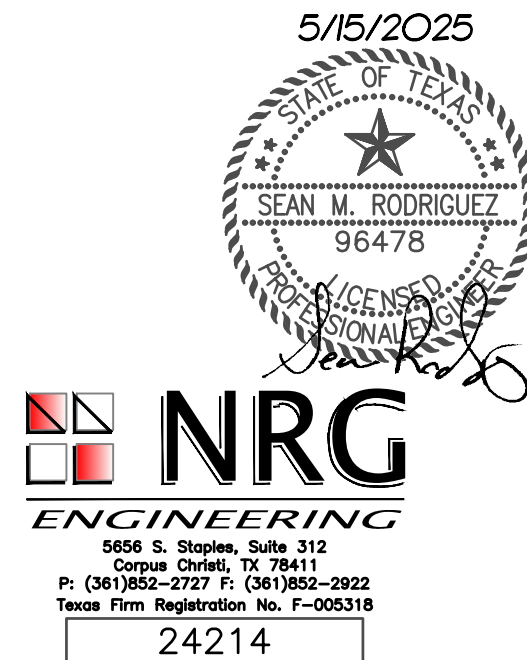
VEHICLE EXHAUST CALCS.

BUILDING AREA
2495 SF

VEHICLE EXHAUST CALCULATION
PER ASHRAE 62.1-2022 TABLE
6-2
2495 SF x 0.75 CFM/SF
= 1871 CFM
EF-2 MEETS OR EXCEEDS

MECHANICAL KEYED NOTES:

- ① SENSOR RADIUS RANGE OF 50 FT. CONTRACTOR TO CONFIRM AND PROVIDE NUMBER OF SENSORS AS RECOMMENDED BY MANUFACTURER FOR COMPLETE COVERAGE OF GARAGE. INSTALL SENSOR AT MANUFACTURER RECOMMENDED HEIGHT.
- ② 4" DRYER DUCT UP THROUGH WALL. TERMINATE IN WALL CAP PER MANUFACTURER RECOMMENDATIONS.



M103

MECHANICAL ENLARGED PLAN
- GARAGE

Project Name:
Lifeguard
Headquarters

Project Address:
303 Ninth Street
Port Aransas, TX
78373

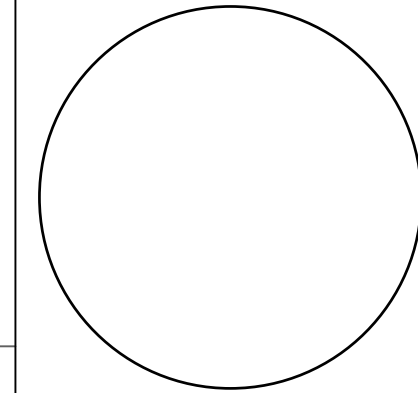
Date:
MAY 2025

Project No.:
21004

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DX SPLIT AIR HANDLING UNIT SCHEDULE

MARK	AHU-1 (SUMMER)	AHU-1 (HUMIDITY)	AHU-2 (SUMMER)	AHU-2 (HUMIDITY)
SERVES	READY ROOM / CLOSET	READY ROOM / CLOSET	OFFICE / BREAKROOM / RESTROOMS	OFFICE / BREAKROOM / RESTROOMS
TYPE	CV	CV	CV	CV
SUPPLY (CFM)	1,400	1,400	1,050	1,050
OUTSIDE AIR (CFM)	550	550	160	160
PERCENT OUTSIDE AIR	39%	39%	15%	15%
EXT. SP. (IN. WG)	1.0	1.0	0.75	0.75
FAN MOTOR HORSEPOWER	1.0	1.0	-	-
FAN MOTOR BRAKE HP	0.8	0.8	-	-
FAN STYLE/CONFIGURATION	VERTICAL	VERTICAL	VERTICAL	VERTICAL
FAN MOTOR TYPE	DIRECT DRIVE	DIRECT DRIVE	DIRECT DRIVE	DIRECT DRIVE
REFRIGERANT TYPE	R-454B	R-454B	R-454B	R-454B
COOLING COIL				
MAX. COIL FACE VEL. (FPM)	500	500	500	500
EAT DB/WB (F)	81.2 / 70.6	78.9 / 71.9	77.3 / 64.7	76.4 / 65.6
LAT DB/WB (F)	55 / 53.4	55 / 52	55 / 53.6	55 / 53.8
TOTAL GRAND (MBTUH)	78.2	90.8	35.3	38.2
TOTAL SENSIBLE (MBTUH)	41.1	36.9	24.5	23.3
ELECTRIC HEAT	DUCT HEATER	DUCT HEATER	ELECTRIC HEAT	ELECTRIC HEAT
HEATING EAT DB (F)	56.9	56.9	64.9	64.9
HEATING LAT DB (F)	85.0	85.0	85.0	85.0
HEATING MBTUH	43.3	43.3	23.2	23.2
HEATING KW	13.0	13.0	6.8	6.8
VOLTS/PH/HZ	240/1/60	240/1/60	240/1/60	240/1/60
MCA/MOCP	-	-	55.0 / 60	55.0 / 60
MANUFACTURER/MODEL NUMBER	WARREN	WARREN	-	-
ELECTRICAL DATA				
VOLTS/PH/HZ	240/1/60	240/1/60	240/1/60	240/1/60
MCA	9.7	9.7	5.0	5.0
MOCP	15	15	15	15
MANUFACTURER	TRANE	TRANE	TRANE	TRANE
MODEL No.	BCVE048	BCVE048	5TAMXD05AV41	5TAMXD05AV41
NOTES:	1,2,3,4,5,6,7,8,9,10,11,12,13,14	1,2,3,4,5,6,7,8,9,10,11,12,13,14	1,2,3,4,8,9,10,11,12,13,14	1,2,3,4,8,9,10,11,12,13,14

- NOTES:
- PROVIDE 2" PLEATED 80% EFFICIENT MERV 13 FILTERS FOR THE AHU.
 - PROVIDE SLIDE OUT FILTER FRAME ON RETURN INLET OF AIR HANDLER.
 - PROVIDE UNIT WITH SINGLE POINT OF ELECTRICAL CONNECTION. THE UNIT SHALL BE CONSTANT VOLUME.
 - PROVIDE UNIT WITH MINIMUM TWO STAGES OF COOLING. PROVIDE UNIT WITH STAGE FAN.
 - PROVIDE SINGLE POINT OF ELECTRICAL CONNECTION FOR DUCT HEATER. DUCT HEATER SHALL HAVE SCR HEAT, 24V CONTROL, AND FUSED DISCONNECT.
 - PROVIDE UNIT WITH MODULATING HOT GAS REHEAT.
 - PROVIDE RAWAL APR VALVES TO AHU-1.
 - PROVIDE 24" TALL STAND/PLENUM BASE FOR VERTICAL UNITS.
 - PROVIDE EQUIPMENT MANUFACTURER'S THERMOSTAT/HUMIDISTAT FOR PROPER UNIT OPERATION.
 - PROVIDE REFRIGERANT SENSOR AND CONTROLS AT THE UNIT WITH SYSTEM SHUT OFF VALVE FOR REFRIGERANT MITIGATION COMPLIANT WITH UL 6033-2-40.
 - PROVIDE ALL SENSORS, ACCESSORIES, CONTROL POINTS, AND INTERLOCKS FOR THE AHUS AND THEIR RESPECTIVE ACCUS TO BE PROPERLY OPERATED AND PROPERLY STAGED. COORDINATE ALL THE REQUIRED CONTROLS WITH THE EQUIPMENT TYPE, CONFIGURATION, NUMBER OF DX STAGES, REFRIGERATION CIRCUITS, CONTROLS SEQUENCES AND SPECIFICATIONS.
 - INSTALL ALL UNITS AS PER THE MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS. PROVIDE THE MANUFACTURERS MINIMUM CLEARANCES FOR OPERATION AND SERVICE OF THE UNIT. COORDINATE THE INSTALLATION OF THE UNIT WITH ALL OTHER DISCIPLINES, DUCTWORK, STRUCTURE, ELECTRICAL, AND ALL OTHER OBSTRUCTION PRIOR TO INSTALLATION OF THE UNIT, ITS EQUIPMENT PAD, AND ALL ACCESSORIES.
 - MECHANICAL SPACES HAVE BEEN DESIGNED AROUND THE SPECIFIED MANUFACTURER. ALTERNATE MANUFACTURERS EQUIPMENT SHALL NOT EXCEED THE SPECIFIED MANUFACTURES PHYSICAL DIMENSIONS AND WEIGHTS.
 - EQUIVALENT MANUFACTURERS ARE DAIKIN, AND TRANE.

LOUVER SCHEDULE

TAG	SERVICE	GREENHECK MODEL NUMBERS	SIZE (INCHES) (WXH)	AIR FLOW (CFM)	FREE AREA (FT2)	PRESSURE DROP (IN WG)	INTAKE OR EXHAUST	NOTES
L-1	AHU-2	EVH-501D-24x20	24 X 20	550	1.3	0.03	INTAKE	ALL
L-2	AHU-1	EVH-660D-14x14	14 X 14	160	0.3	0.05	EXHAUST	ALL
L-3	EF-1	EVH-501D-16X16	16 X 16	250	0.6	0.03	EXHAUST	ALL
L-4	EF-3	EVH-501D-16X16	16 X 16	250	0.6	0.03	EXHAUST	ALL

- NOTES:
- PROVIDE WITH BACKDRAFT DAMPER.
 - PROVIDE WITH FLANGED FRAME.
 - PROVIDE WITH INSECT SCREEN AND 2 COAT KYNAR COLOR FINISH, COLOR BY ARCHITECT.
 - LOUVER SHALL BE WIND DRIVEN RAIN, HURRICANE RATED PER IBC TWIA FOR 120 MPH WITH A 3 SECOND GUST.
 - COORDINATE LOCATION AND MOUNTING HEIGHT WITH GENERAL CONTRACTOR.
 - RUSKIN AND GREENHECK ARE APPROVED EQUALS.

AHU CONDENSING UNIT SCHEDULE

MARK	CU-1	CU-2	CU-3
SERVES	AHU-1	AHU-1	AHU-2
TOT MBTUH	42	42	36
NOM. TONS	3.5	3.5	3
AMBIENT TEMP.	100	100	100
EER2 (SEER2)	11.2 (-)	11.2 (-)	12.5 (17.1)
IEER	12.8	12.8	-
VOLTS/PH	240/1/60	240/1/60	240/1/60
MCA	23	23	27
MOCP	40	40	40
MFG	TRANE	TRANE	TRANE
MODEL No.	5TTR5042A	5TTR5042A	5TTR7036A
NOTES:	1,2,3,4,5,6	1,2,3,4,5,6	1,2,3,5,6

- NOTES:
- PROVIDE COMPRESSOR WITH 5 YEAR WARRANTY.
 - SIZE REFRIGERANT LINES PER MANUFACTURES RECOMMENDATIONS. PROVIDE HIGH AND LOW PRESSURE SWITCHES, LIQUID LINE FILTER DRIER, CRANKCASE HEATERS AND NON-BLEED PORT, ADJUSTABLE TXV VALVE. PROVIDE LIQUID LINE SIGHT GLASS AND PRESSURE TAPS ON INLET AND OUTLET OF INDOOR COILS.
 - PROVIDE MINIMUM 10,000 HOUR CORROSION RESISTANT SALT SPRAY COATING FOR CONDENSING UNIT AND COILS.
 - PROVIDE RAWAL APR VALVES TO CU-1 AND CU-2.
 - PROVIDE REFRIGERANT SENSOR AND CONTROLS AT THE UNIT WITH SYSTEM SHUT OFF VALVE FOR REFRIGERANT MITIGATION COMPLIANT WITH UL 6033-2-40.
 - EQUIVALENT MANUFACTURERS ARE DAIKIN, AND TRANE.

5/15/2025





NRG

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24214

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303 Ninth Street
Port Aransas, TX
78373

Date:
MAY 2025

Project Name:
Lifeguard
Headquarters

Project No:
21004

MECHANICAL SCHEDULES

Sheet Title

M201

Issue

Revision

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HIGH VOLUME LOW SPEED 'HVLS' FAN SCHEDULE

MANUFACTURER	TAG	MODEL	DAIMETER (FT)	NO. OF BLADES	FAN SPEED (RPM)	dBA AT FULL SPEED	INPUT POWER (A)	VOLTS	PHASE	HERTZ	WEIGHT (lb)	NOTES
BIG ASS FANS	HVLS-1	ESSENCE	12	8	VARIABLE	35	10	120	1	60	88	ALL

NOTES:

1. PROVIDE MANUFACTURERS RAPID MOUNT HARDWARE KIT.
2. PROVIDE MANUFACTURERS SWAY BRACE.
3. EQUIVALENT MANUFACTURES ARE MACROAIR, GREENHECK AND BIG ASS FANS.
4. INSTALL FAN AT ELEVATION PER ARCHITECT.
5. COORDINATE FINISH WITH ARCHITECT.
6. SEE ELECTRICAL DRAWINGS FOR CONTROLS.
7. FAN SHALL BE WET RATED.

HIGH VOLUME LOW SPEED 'HVLS' FAN SCHEDULE

MANUFACTURER	TAG	MODEL	DAIMETER (FT)	NO. OF BLADES	FAN SPEED (RPM)	dBA AT FULL SPEED	INPUT POWER (A)	VOLTS	PHASE	HERTZ	WEIGHT (lb)	NOTES
BIG ASS FANS	HVLS-1	ESSENCE	12	8	VARIABLE	35	10	120	1	60	88	ALL

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5. COORDINATE FINISH WITH ARCHITECT.
6. SEE ELECTRICAL DRAWINGS FOR CONTROLS.
7. FAN SHALL BE WET RATED.

AIR BALANCE SCHEDULE

MARK	SERVES	BASED ON ASHRAE 62.1-2019					
		SUPPLY AIR CFM	RETURN AIR CFM	OUTSIDE AIR CFM	EXHAUST AIR CFM	RESULTING BALANCE	PERCENT OUTSIDE AIR
AHU-1	READY ROOM / CLOSET	1400	850	550		550	39.3%
AHU-2	OFFICE / BREAKROOM / RESTROOMS	1050	890	160		160	15.2%
EF-1	WOMEN 102				250	-250	
KH-1	BREAKROOM HOOD				250	-250	
OA	OUTSIDE AIR TOTAL					710	
EA	EXHAUST AIR TOTAL					-500	
	DIFFERENCE (OA-EA)					210	
CONDITIONED AREA (SQUARE FEET)							
A	DESIRED CFM FOR PRESSURIZATION (CFM/SF)				1706		
B	BUILDING LEAKAGE BASED ON NEW BLDG AT 0.04 CFM/SF X TOTAL SURFACE AREA				0.04	68.24 CFM	
C	BUILDING EXHAUST					500 CFM	
	MINIMUM REQUIRED FOR PRESSURIZATION (A+B+C)					703 CFM	
	AMOUNT OF FRESH AIR PROVIDED (DELIVERED)					710	
	AMOUNT TO BE RELIEVED (DELIVERED - MINIMUM)					7 CFM	
	BUILDING PRESSURIZED AT:	0.03 in. W.G.	AT	703 CFM			

AIR DEVICE SCHEDULE

PLAN MARK	MANUF. & MODEL NUMBER	SERVICE	MODULE SIZE	NECK SIZE	FACE SIZE	BORDER TYPE	FINISH	BLOW PATTERN	MAT'L	OPTIONS/NOTES
A	TITUS OMNI-AA	SUPPLY	24 X 24	6"ø	20 X 20	3	26	4	ALU	
B	TITUS OMNI-AA	SUPPLY	24 X 24	8"ø	20 X 20	3	26	4	ALU	
C	TITUS OMNI-AA	SUPPLY	24 X 24	10"ø	20 X 20	3	26	4	ALU	
D	TITUS OMNI-AA	SUPPLY	12 X 12	6"ø	10 X 10	1	26	4	ALU	
E	TITUS 300 FS	SUPPLY	8 X 8	6 X 6	8 X 8	1	26	-	ALU	AG-15-AA
F	TITUS 300 FS	SUPPLY	14 X 10	8 X 8	14 X 10	1	26	-	ALU	AG-15-AA
G	TITUS PAR-AA	RETURN	24 X 24	6 X 6	22 X 22	3	26	-	ALU	PROVIDE WITH INSULATED BACK PAN
H	TITUS PAR-AA	RETURN	24 X 24	10 X 10	22 X 22	3	26	-	ALU	PROVIDE WITH INSULATED BACK PAN
I	TITUS PAR-AA	RETURN	24 X 24	12 X 12	22 X 22	3	26	-	ALU	PROVIDE WITH INSULATED BACK PAN
J	TITUS PAR-AA	EXHAUST	12 X 12	6 X 6	10 X 10	3	26	-	ALU	PROVIDE WITH INSULATED BACK PAN
K	TITUS 350 FL	RETURN	8 X 8	6 X 6	8 X 8	1	26	-	ALU	AG-15-AA
L	TITUS 350 FL	RETURN	14 X 12	12 X 10	12 X 10	1	26	-	ALU	AG-15-AA
M	TITUS 350 FL	RETURN	20 X 12	18 X 10	20 X 12	1	26	-	ALU	AG-15-AA
BORDER TYPE			BLOW PATTERN			FINISH		OPTIONS/NOTES		
1. SURFACE MOUNT 2. SNAP-IN 3. LAY-IN 4. SPLINE 5. DROPPED 6. BEVELED			1. 1-WAY 2. 2-WAY 2C. 2-WAY, OPPOSITE 3. 3-WAY 4. 4-WAY+			01 ALUMINUM 04 MILL (STD) 26 WHITE		TRM PFSS PFA AG-15 AG-15-AA AG-15-SS EQT L S AG-85 EQ TRV		
						MATERIAL		RAPID MOUNT FRAME SS PLASTER FRAME ALUM PLASTER FRAME STEEL DAMPER ALUMINUM DAMPER STAINLESS STEEL DAMPER EARTHQUAKE TABS FRONT BLADE LONG ORIENTATION FRONT BLADE SHORT ORIENTATION BUTTERFLY DAMPER EQUALIZING GRID THROW REDUCING VANES		
						ST'L 22 GAUGE STEEL ALU ALUMINUM				

ELECTRIC UNIT HEATER SCHEDULE

MARK	EUH-1,2,3,4			
SERVES	GARAGE			
MANUFACTURER	QMARK			
MODEL	MUH-07-8			
KW	7.5			
HORSEPOWER	-			
VOLTS/PHASE/HERTZ	208/1/60			
NOTES	ALL			
NOTES				
1. MOUNT AT MANUFACTURERS RECOMMENDED HEIGHT.				
2. PROVIDE MANUFACTURERS MOUNTING HARDWARE.				
3. PROVIDE HEATER WITH 24 VOLT CONTROL TRANSFORMER.				
4. PROVIDE 24 VOLT THERMOSTAT, MOUNT AT SAME HEIGHT AS LIGHT SWITCH.				
5. EQUIVALENT MANUFACTURERS: REZNOR, MODINE, OR EQUAL.				
6. SET THERMOSTAT TO 40° FOR FREEZE PROTECTION				
7. HEATER SHALL DISABLE WHEN GARAGE DOORS ARE OPEN.				

FAN SCHEDULE

MARK	EF-1	EF-2	EF-3
SERVES	RESTROOM	GARAGE	KITCHEN HOOD
DRIVE	DIRECT	DIRECT	DIRECT
CFM	250	2500	250
E.S.P. IN W.G.	0.3	0.3	0.4
HORSEPOWER	1/6	1/2	1/6
RPM (MAX.)	1,395	993	1534
SONES (MAX.)	6.0	11.9	7.2
VOLTS/PHASE/HERTZ	115/1/60	115/1/60	115/1/60
MANUFACTURER	GREENHECK	GREENHECK	GREENHECK
MODEL NUMBER	SQ-80-VG	QJUE-160-VG	SQ-80-VG
WEIGHT	34	93	34
NOTES	1, 2, 3	1, 3, 4	1, 2, 3
NOTE:			
1. FAN SHALL BE DIRECT DRIVE WITH MOTOR MOUNTED SPEED CONTROL RELAY, PREWIRED INTEGRAL DISCONNECT SWITCH, AND BACKDRAFT DAMPER.			
2. EXHAUST FAN SHALL BE CONTROLLED BY LIGHT SWITCH TO TURN ON WHEN RESTROOM LIGHT IS ON. COORDINATE WITH ELECTRICAL.			
3. EQUIVALENT MANUFACTURES ARE COOK AND GREENHECK.			
4. FAN SHALL OPERATE WHEN CO/NO2 SENSORS ARE IN ALARM. MOTORIZED DAMPER AND GARAGE DOORS SHALL OPEN. FAN SHALL OPERATE UNTIL ALARM IS CLEARED FOR 5 MINUTES.			

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Date:

MAY 2025

Project Name:

Lifeguard
Headquarters

Project No:

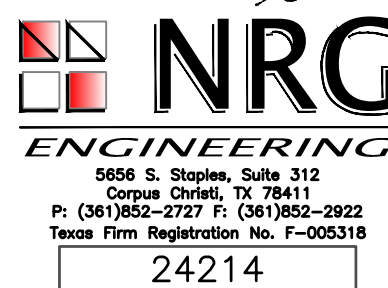
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Project Date

MECHANICAL SCHEDULES

Sheet Title

M202



24214

5/15/2025

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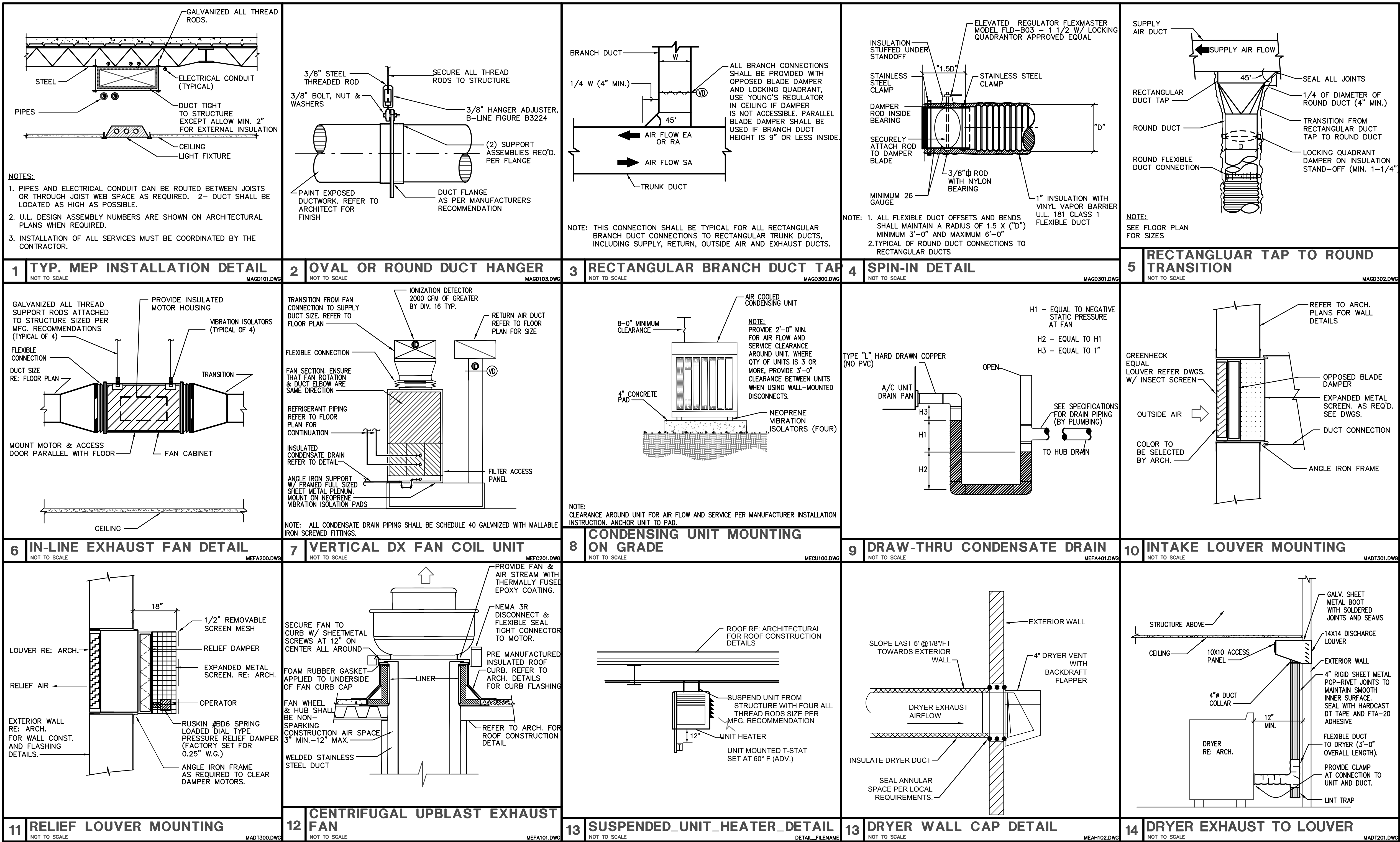
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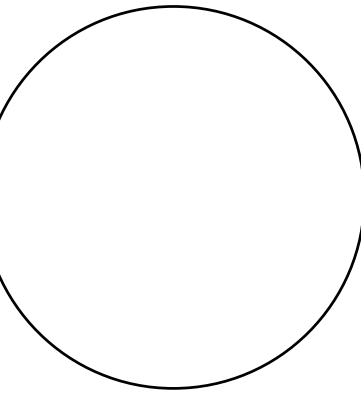
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M301

MECHANICAL DETAILS

Sheet Title

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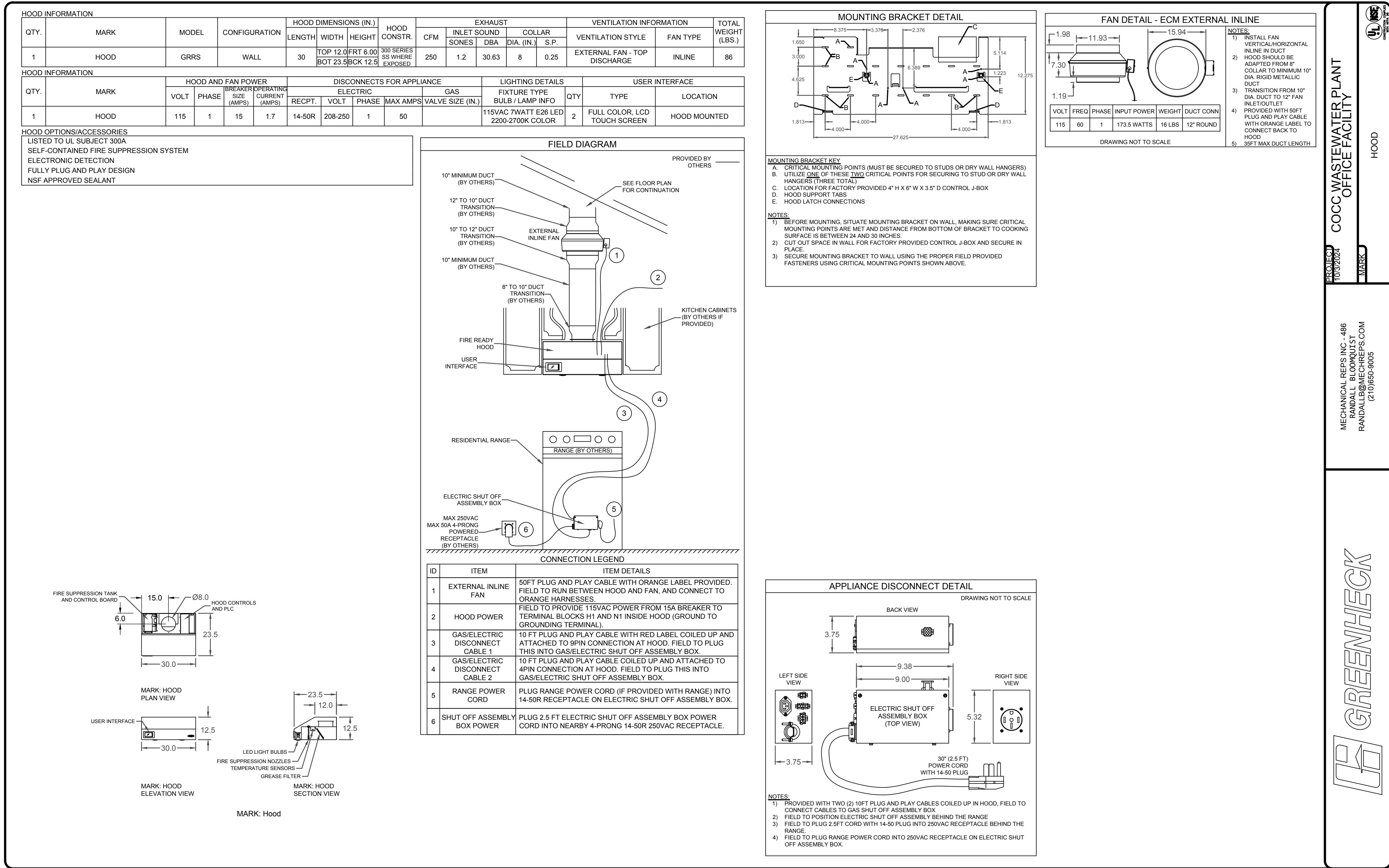
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M302

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Project No.:
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Date:
MAY 2025

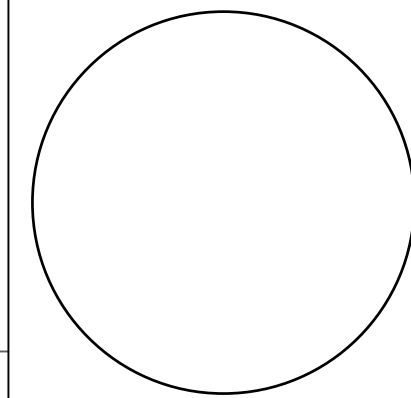
MECHANICAL DETAILS

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PLUMBING LEGEND		
DISREGARD LEGEND ITEMS NOT INDICATED ON DRAWINGS		
SYMBOL	DESCRIPTION	ABBR.
	SOIL OR WASTE PIPING B.G.	WST
	SOIL OR WASTE PIPING A.G.	WST
	GREASE WASTE PIPING	GW
	VENT PIPING	V
	STORM DRAIN PIPING	SD
	OVERFLOW STORM DRAIN PIPING	OD
	GAS LINE	G
	FIRE OR SPRINKLER LINE	F
	DOMESTIC COLD WATER	CW
	DOMESTIC HOT WATER	HW
	DOMESTIC HOT WATER RETURN	HWR
	TEMPERED DOMESTIC HOT WATER	TW
	GATE VALVE	GV
	GLOBE VALVE	GLV
	BALL VALVE	BV
	CHECK VALVE	CKV
	BALANCING VALVE	BAV
	BUTTERFLY VALVE	BTV
	PLUG VALVE	PLV
	PRESSURE REDUCING VALVE	PRV
	PRESSURE RELIEF VALVE	T&P
	STRAINER	STR
	UNION	UN
	THERMOMETER WELL	TW
	PRESSURE GAUGE	PG
	THERMOMETER	THRM
	CONDENSATE OR INDIRECT DRAIN	D
	BRANCH CONNECTION, TOP	--
	BRANCH CONNECTION, BOTTOM	--
	ELBOW UP	--
	ELBOW DOWN	--
	FLOOR CLEANOUT (INTERIOR)	FCO
	CLEANOUT AT GRADE (EXTERIOR)	COG
	WALL CLEANOUT	WCO
	FLOOR DRAIN	FD
	FLOOR SINK	FS
	HOSE BIBB	HB
	WALL HYDRANT	WH
	NEW TO EXISTING PIPE CONNECTION	--
	PLUMBING RISER IDENTIFICATION	P/X
	DOWNSPOUT RISER IDENTIFICATION	DS/X
	FIRE RISER IDENTIFICATION	F/X
ABBREVIATIONS		
--	ABOVE FINISHED FLOOR	AFF
--	ACCESS PANEL	AP
--	BELOW FINISHED FLOOR	BFF
--	BOTTOM OF PIPE	BOP
--	INDIRECT DRAIN	D
--	EXISTING TO REMAIN	(E)
--	EXISTING TO BE DEMOLISHED	(D)
--	EXISTING TO BE RELOCATED	(R)
--	FINISHED	FIN
--	FLOOR	FLR
--	INVERT ELEVATION	INV. EL.
--	NORMALLY CLOSED	NC
--	SOFT WATER	SW
--	TRAP PRIMER	TP
--	TYPICAL	TYP
--	VENT THRU ROOF	VTR
NOT ALL SYMBOLS MAY BE USED		

PLUMBING RISER DETAILS	
KEYED NOTES - RISER DIAGRAM DETAILS:	
1	REFER TO PLUMBING FIXTURE SCHEDULE FOR SOIL OR WASTE ROUGH-IN PIPE SIZE. MINIMUM SOIL OR WASTE DRAIN LINE SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
2	REFER TO PLUMBING FIXTURE SCHEDULE FOR SANITARY VENT ROUGH-IN PIPE SIZE. MINIMUM SANITARY VENT BRANCH SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
3	REFER TO PLUMBING FIXTURE SCHEDULE FOR FIXTURE DRAIN ROUGH-IN PIPE SIZE. MINIMUM FIXTURE DRAIN AND TRAP SIZE FOR THIS FIXTURE.
4	REFER TO PLUMBING FIXTURE SCHEDULE FOR WATER PIPING ROUGH-IN PIPE SIZE. MINIMUM WATER SUPPLY BRANCH SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
5	SHOCK ARRESTOR INLET: REFER TO SHOCK ARRESTOR SCHEDULE FOR SIZE. LOCATION SHOWN HERE FOR INDIVIDUAL FIXTURE WILL VARY WHERE INCLUDED AS PART OF PLUMBING CHASE BATTERY OF PIPING. REFER TO RISER DIAGRAMS FOR BATTERY LOCATIONS. ARRANGE ALL WATER LINES TO GRAVITY DRAIN.
6	WALL CLEANOUTS SHALL BE PROVIDED AT END OF BATTERY OR END OF BRANCH LINE FIXTURES AND WHERE REQUIRED BY PLUMBING CODE OFFICIALS TO ASSURE COMPLETE ACCESS TO ALL PORTIONS OF DRAIN.
7	SANITARY VENT PIPES SHALL CONTINUE TO CEILING OR HEADER TOGETHER AT A MINIMUM 42" ABOVE FIN. FLOOR.
8	TRAP REFILL LINE: SEE PLUMBING DETAILS SHEET. EXTEND AND CONNECT TO FLOOR DRAIN TRAP AS SHOWN.
9	AIR GAP FITTING
10	PLASTER TRAP: PROVIDE SUPPORTS BELOW TRAP.

GENERAL NOTES:	
1.	CONTRACTOR TO FIELD VERIFY ELEVATIONS AND DIMENSIONS OF FINISHED FLOORS AND WALLS. TRUE ALL DRAINS, ROUGH-INS AND CARRIERS IN ACCORDANCE WITH THE PROPOSED ELEVATIONS AND FINISHED SURFACES.
2.	MOUNTING HEIGHT ELEVATION OF ALL WALL HUNG OR COUNTER MOUNTED FIXTURES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION OF ROUGH-IN WORK.
3.	FOR ALL FIXTURES AND EQUIPMENT WITH ASSOCIATED TRIM OR COMPONENT ACCESSORIES, PROVIDE UNDER SEPARATE DIVISIONS AND REQUIRING PLUMBING CONNECTIONS; THIS CONTRACTOR SHALL FIELD COORDINATE EXACT REQUIREMENTS OF, MAKE PROVISIONS FOR, AND SUPPLY ALL MATERIALS AND LABOR FOR MAKING FINAL CONNECTIONS.
4.	CONTRACTOR SHALL REFER TO SHOP DRAWINGS OF EQUIPMENT TO BE SUPPLIED FOR FINAL COORDINATION OF ALL ROUGH-IN OPENINGS BEFORE BEGINNING WORK.
5.	ALL FIXTURE AND EQUIPMENT STUB-OUTS SHALL BE PROVIDED WITH A STOP VALVE. ALL FIXTURE STOPS SHALL BE SOLID BRASS, LOOSE KEY OPERATED, CHROME PLATED (WHERE EXPOSED), AND FITTED TIGHT TO CHROME PLATED BRASS WALL ESCUTCHEON PLATES. SUPPLY RISERS SHALL BE TYPE "1" TUBING, CHROME PLATED. PROVIDE 1/2" FIP X 3/8" OD COMPRESSION FITTINGS FOR ALL SINKS, LAVATORIES, AND SIMILAR FIXTURES.
6.	ALL P-TRAPS WITHIN THE BUILDING, ABOVE GRADE AND EXPOSED TO INSPECTION SHALL BE CHROME PLATED ADJUSTABLE, CAST BRASS WITH CLEANOUT PLUG. PROVIDE C.P. CAST BRASS SLIP NUTS AND WASHERS. 17 GAGE SEAMLESS TUBULAR BRASS DRAIN TO WALL AND WALL FLANGE. PROVIDE 1-1/2" P-TRAP FOR ALL LAVATORIES AND SIMILAR FIXTURES, PROVIDE 1-1/2" P-TRAP FOR ALL SINKS AND SIMILAR FIXTURES, MCQUIRE OR EQUAL.
7.	ALL ROUGH-IN OPENINGS SHALL BE FITTED WITH CHROME PLATED, WROUGHT BRASS DEEP BELL OR BOX ESCUTCHEON PLATES FITTED TIGHT TO PIPE AND FLUSH TO WALL. STEEL ESCUTCHEON PLATES ARE NOT ACCEPTED.
8.	ALL EXPOSED BRASS SHALL BE CHROME PLATED.
9.	ALL HANDICAPPED ACCESSIBLE FIXTURES SHALL BE OF APPROVED TYPES AND WITH REQUIRED CONTROLS INSTALLED TO HEIGHTS AND CLEARANCES, AS PRESCRIBED BY THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE TEXAS ACCESSIBILITY STANDARDS (TAS). FIXTURES SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL ACCESSIBILITY CODE REQUIREMENTS. PROVIDE FIXTURES WITH DEPTHS AT MAXIMUM PERMITTED AND AVAILABLE FOR INTENDED FIXTURE USE.
10.	INSULATE ALL EXPOSED WATER AND DRAIN LINES ON ADA/TAS ACCESSIBLE LAVATORIES AND SINKS WITH MCQUIRE PRO WRAP OR EQUAL. PROVIDE OFFSET DRAIN FITTINGS WHERE REQUIRED TO PROVIDE MINIMUM CLEARANCES.
11.	ALL ADA/TAS SINKS SHALL BE STAMPED WITH DRAIN OUTLET AT THE REAR OF THE BOWL.
12.	PLUMBING FIXTURES SHALL BE OF WATER CONSERVATION TYPE IN ACCORDANCE WITH SENATE BILL 987 FOR WATER SAVING PERFORMANCE. LAVATORY AND SINK FAUCETS SHALL INCLUDE 0.5 GPM AND 2.2 GPM FLOW CONTROL RESPECTIVELY.
13.	ORIENT ADA/TAS WATER CLOSET FLUSH VALVE WITH OPERATOR ON LARGE SIDE OF ENCLOSURE AND BELOW GRAB BARS.
14.	SEAL ALL SPACES BETWEEN PLUMBING FIXTURES AND MOUNTING SURFACES WITH WHITE LATEX CAULK WIPED SMOOTH AND FLUSH WITH FIXTURE.
15.	FLOOR DRAINS SHALL BE INSTALLED AT LOW POINTS OF UNIFORMLY SLOPED FLOOR. CONTRACTOR SHALL FIELD COORDINATE WITH STRUCTURAL TO INSURE FLOORS ARE UNIFORMLY SLOPED ACROSS ENTIRE TOILET ROOMS OR OVER AS WIDE AN AREA AS PRACTICAL FOR OPEN AREA FLOOR DRAINS. CONVEX FLOOR SLOPE IN THE IMMEDIATE VICINITY OF THE FLOOR DRAIN IS NOT ACCEPTABLE.
16.	EQUIVALENT MANUFACTURES OF CHINA FIXTURES ARE KOHLER, AND AMERICAN STANDARD. EQUIVALENT MANUFACTURES OF STAINLESS FIXTURES ARE JUST, ELKAY, AND ADVANCE TABCO.
17.	WATER HEATER SHALL BE PROVIDED WITH CODE APPROVED VACUUM BREAKER AND BRASS ASME TEMPERATURE AND PRESSURE RELIEF VALVE. ROUTE TPR DRAIN LINE FULL SIZED TO EXTERIOR OF BUILDING AND TERMINATE 6" ABOVE FINISHED GRADE, OR AS INDICATED ON PLANS.
18.	ROOF PENETRATIONS SHALL BE DONE IN STRICT COMPLIANCE WITH THE ARCHITECTS SPECIFICATIONS AND SHALL BE LEAK PROOF.
19.	FIELD VERIFY ALL EXISTING CONDITIONS AND LOCATION OF STUB OUTS. NOTIFY ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY WHICH MAY AFFECT THE INTENDED DESIGN.
20.	ALL PLUMBING WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL STATE AND LOCAL CODES.
21.	THE PLUMBING CONTRACTOR SHALL GUARANTEE THE COMPLETE PLUMBING SYSTEM TO BE FREE OF DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF 12 MONTHS FROM DATE OF FINAL ACCEPTANCE.
22.	ALL WATER HEATER SUPPLY CONNECTIONS SHALL HAVE HEAT TRAP NIPPLE CONNECTIONS. HEAT TRAP NIPPLES NOT REQUIRED IF HOT WATER RECIRCULATION SYSTEM IS PROVIDED.
23.	NO HUB COUPLINGS SHALL BE HEAVY DUTY 4 BAND COUPLINGS WITH STAINLESS STEEL SHIELD.
24.	INSULATE CONCEALED ROOF DRAIN BODIES, VERTICAL LEAD AND HORIZONTAL PIPING WITH R-6 FLEXIBLE BLANKET INSULATION. EXPOSED ROOF DRAIN BODIES AND PIPES SHALL BE INSULATED WITH AN R-6 RIGID INSULATION AND PAINTABLE CANVAS JACKET.

GENERAL ROOF PLAN NOTES:

- CONTRACTOR SHALL CAREFULLY REVIEW CONTRACT DOCUMENTS INCLUDING DRAWINGS AND PROJECT MANUAL. INFORMATION REGARDING WORK OF THE VARIOUS TRADES AND SUBCONTRACTORS ARE DISPERSED THROUGHOUT THE DOCUMENTS AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE FULL SET OF DOCUMENTS.
- CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES ABOVE THE CEILING TO PROVIDE GREATEST POSSIBLE CLEARANCE FOR INSTALLATION OF AND FUTURE CHANGES IN MECHANICAL EQUIPMENT. CONDUIT AND PIPE TO BE RUN THROUGH TRUSSES. COORDINATE SERVICE AND ACCESS POINTS ABOVE CEILING TO MINIMIZE REQUIRED ACCESS.
- ALL DEVICES INSTALLED ON ROOF TOP EQUIPMENT SHALL BE MOUNTED ON A NON-REMOVABLE PANEL OF THE EQUIPMENT. THIS LOCATION SHALL BE COORDINATED WITH THE MECHANICAL OR PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
- ROOF DECK PENETRATIONS: CONTRACTOR SHALL SECURE LANDLORD APPROVAL FOR ALL BUILDING ROOF DECK PENETRATIONS. REQUESTS SHALL BE ON A SCALED ROOF PLAN SHOWING EXACT LOCATION & SIZE OF PENETRATION & INCLUDE DETAILS OF MOUNTING, FLASHING & SEALING. CONTRACT WITH THE LANDLORD'S ROOFING CONTRACTOR TO PERFORM ALL WORK AT THIS CONTRACTOR'S SOLE EXPENSE. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL ROOFTOP EQUIPMENT, NEW ROOF PENETRATIONS, REMOVAL OF EXISTING ROOFTOP EQUIPMENT & INSTALLATION OF ALL ROOFTOP EQUIPMENT WITH THE LANDLORD.

PLUMBING NARRATIVE:

ELECTRIC WATER HEATERS LESS THAN 12 KW SHALL HAVE A PERFORMANCE RATING OF 0.97.

THE HOT WATER HEATING SYSTEM SHALL BE BY AN ELECTRIC WATER HEATER WITH A RECIRCULATION LINE AND PUMP. THE RE-CIRC PUMP SHALL BE CONTROLLED BY AN AQUASTAT AND TIME CLOCK. THE TIME CLOCK SHALL ENABLE THE PUMP TO OPERATE FROM 6AM TO 8PM (ADJ.) AND SHUT OFF THE PUMP FROM 8PM TO 6AM (ADJ.).

AND/OR

THE HOT WATER HEATING SYSTEM SHALL BE BY WATER HEATER WITH A MAXIMUM OF 6'-0" OF 1/4" TUBING, 3'-0" OF 3/8" TUBING TO LAVATORIES AND 43'-0" OF 1/2" TUBING, 21'-0" OF 3/4" TUBING TO ALL OTHER FIXTURES.

REFER TO THE 2018 IECC SECTION C404 SERVICE WATER HEATING FOR OTHER REQUIREMENTS.

THE PLUMBING CONTRACTOR SHALL REVIEW THE SYSTEM COMMISSIONING SPECIFICATION ON THIS SHEET FOR REQUIREMENTS AND PARTICIPATION IN THE COMMISSIONING PROCESS. FAILURE TO COMPLY OR PARTICIPATE MAY INCUR ADDITIONAL COST TO THE CONTRACTOR

GENERAL ENERGY NOTES:

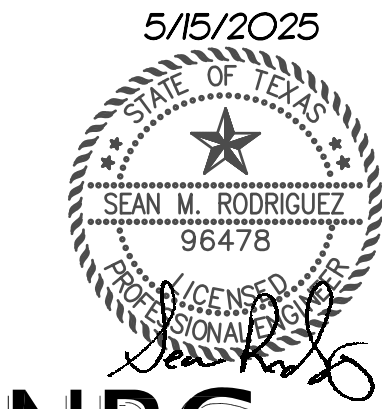
INSULATION SHALL BE PROVIDED FOR PIPING AS NOTED IN THE TABLE BELOW. PIPING INSULATION SHALL BE PROVIDED FOR RETURN CIRCULATION HOT WATER SYSTEM WITH 1" OR R-4 INSULATION. THE FIRST 8' OF PIPING IN NONCIRCULATING SYSTEMS SERVED BY EQUIPMENT W/O INTEGRAL HEAT TRAPS SHALL BE INSULATED WITH 1-1/2" OR R-4 INSULATION.

WATER HEATING EQUIPMENT NOT SUPPLIED WITH INTEGRAL HEAT TRAPS AND SERVING NONCIRCULATING SYSTEMS SHALL BE PROVIDED WITH HEAT TRAPS ON THE SUPPLY AND DISCHARGE PIPING AS ASSOCIATED WITH THE EQUIPMENT.

AUTOMATIC CIRCULATING HOT WATER SYSTEMS OR HEAT TRACE SHALL HAVE TIME SWITCHES THAT ARE CAPABLE OF BEING SET TO TURN OFF THE SYSTEM.

MINIMUM PIPE INSULATION THICKNESS (in inches)

FLUID	CONDUCTIVITY	MEAN TEMP °F	NOMINAL PIPE DIA.			
			< 1"	1 < 1.5"	1.5" TO < 4"	4 TO < 8"
DOM. COLD WATER	0.23	75	1/2	1	1	1
HOT WATER	0.24	100	1	1	1-1/2	1-1/2
LOW PSI STEAM	0.28	200	2-1/2	2-1/2	2-1/2	3
H1 PSI STEAM	0.34	300	3	4	4-1/2	4-1/2
ROOF DRAIN	0.23	75	1/2	1	1	1



Project Address:

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Port Aransas, TX
78373

Date:

MAY 2025

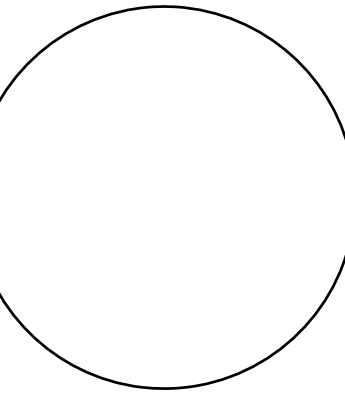
Project Name:

Lifeguard
Headquarters

Project No:

21004

PLUMBING-NOTES-IFC
05-15-2025



Drawings and Specifications as Instruments of service are and shall remain the property of the Architect. They are not to be used on extensions of the project, or other projects, except by agreement in writing and appropriate compensation to the Architect.

The General Contractor is responsible for confirming and correlating dimensions at the job site. The Architect will not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the project.

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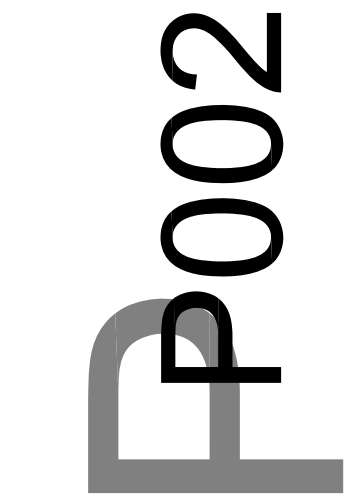
Project Name:

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Headquarters

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21004

PLUMBING-NOTES-IFC
05-15-2025



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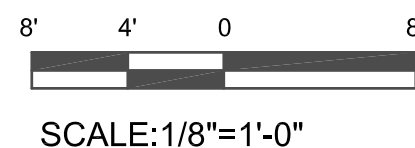
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Project No:
21004

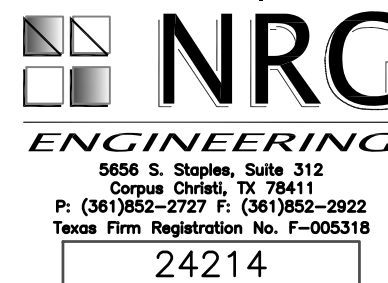
Sheet Title

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE JOB SITE BEFORE COMMENCING ANY PHASE OF THE WORK. ADJUSTMENTS FOR FIT AND COORDINATION SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER. NOTIFY ENGINEER OF ANY CONFLICTS, DISCREPANCIES OR OMISSIONS PRIOR TO COMMENCEMENT OF THE CONTRACT WORK.
2. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, CIVIL, MECHANICAL & STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ANY ADDITIONAL REQUIREMENTS.
3. CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES.
4. SEAL ALL WALL, ROOF, AND FLOOR PENETRATIONS WITH UL LISTED FIRE SEALANT.
5. IF INCOMING WATER PRESSURE IS ABOVE 80 PSI, INSTALL A PRESSURE REDUCING VALVE. INSTALL IN FIRE RISER/MECHANICAL ROOM OR AS HIGH AS POSSIBLE NEAR THE BAR JOIST WHEN NO ROOM IS AVAILABLE.

- 1 REFER TO CIVIL PLANS FOR CONTINUATION.
- 2 GATE VALVE IN BOX FLUSH WITH GRADE.
- 3 TERMINATE 2"ST LINE AT EDGE OF WALL.



SEAN M. RODRIGUEZ
96478



24214

A1
P100

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

PLUMBING GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE JOB SITE BEFORE COMMENCING ANY PHASE OF THE WORK. ADJUSTMENTS FOR FIT AND COORDINATION SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER. NOTIFY ENGINEER OF ANY CONFLICTS, DISCREPANCIES OR OMISSIONS PRIOR TO COMMENCEMENT OF THE CONTRACT WORK.
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PLUMBING KEYED NOTES

- 1 REFER TO CIVIL PLANS FOR CONTINUATION.
- 2 ROUTE WATER HEATER DRAINS TO EXTERIOR AND TERMINATE 6" ABOVE FINISHED GRADE.
- 3 INSTALL 1/2" TRAP PRIMER BELOW FLOOR. ROUTE TO WATER CLOSET. SEE SHEET P102.
- 4 INSTALL FLOOR DRAIN RECESSED IN SLAB FOR HVAC CONDENSATE.
- 5 ROUTE DISHWASHER DRAIN TO TAILPIECE OF SINK.
- 6 TERMINATE 2" TRENCH DRAIN LINE AT EDGE OF CURB.

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Project Address:
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Port Aransas, TX
78373

Date:
MAY 2025

Project Name:
Lifeguard
Headquarters

Project No:
21004

PLUMBING-DWV FLOOR
PLAN-IFC 05-15-2025

P101

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REVISION

REVISION

PROJECT LOG

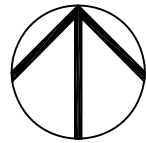
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4' 2' 0' 4'
SCALE: 1/4" = 1'-0"



NRG
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Texas Firm Registration No. F-006319
24214

Plan North



PLUMBING DWV FLOOR PLAN

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

A1
P101

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PLUMBING GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE JOB SITE BEFORE COMMENCING ANY PHASE OF THE WORK. ADJUSTMENTS FOR FIT AND COORDINATION SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER. NOTIFY ENGINEER OF ANY CONFLICTS, DISCREPANCIES OR OMISSIONS PRIOR TO COMMENCEMENT OF THE CONTRACT WORK.
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6. INSTALL WATER HAMMER ARRESTORS ON ALL WATER LINES AT QUICK CLOSING VALVES. RE: DETAIL 9/P301
7. HOT WATER LOOP SHALL DROP TO WITHIN 2' OF LAVATORIES AND COMPLY WITH 2018 IECC SECTION C404.

PLUMBING KEYED NOTES

1. ROUTE 1/2" TRAP PRIMER FROM WATER CLOSET TO FLOOR DRAIN BELOW FLOOR.
2. INSTALL SHUT-OFF VALVES IN DROPS TO EXTERIOR FIXTURES. PROVIDE ACCESS PANEL AT VALVE LOCATIONS.

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Project Address:
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Port Aransas, TX
78373

Date:
MAY 2025

Project Name:
Lifeguard
Headquarters

Project No:
21004

PLUMBING-WATER FLOOR
PLAN-IFC 05-15-2025

P102

4' 2' 0 4'
SCALE:1/4"= 1'-0"



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REVISION

1

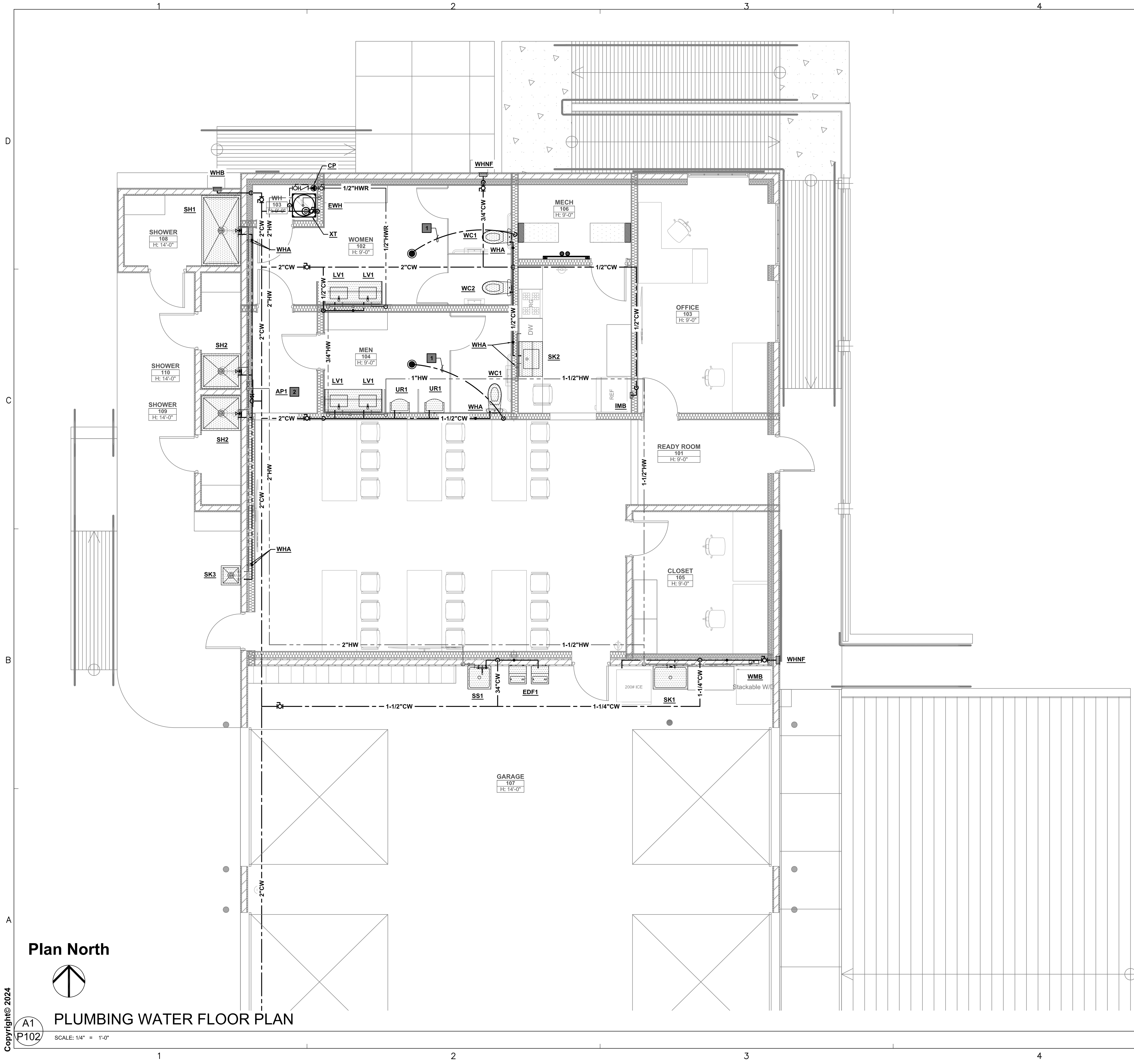
Project Title

Sheet Title

Issue

Project Title

Issue



Plan North



PLUMBING WATER FLOOR PLAN

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

A1
P102

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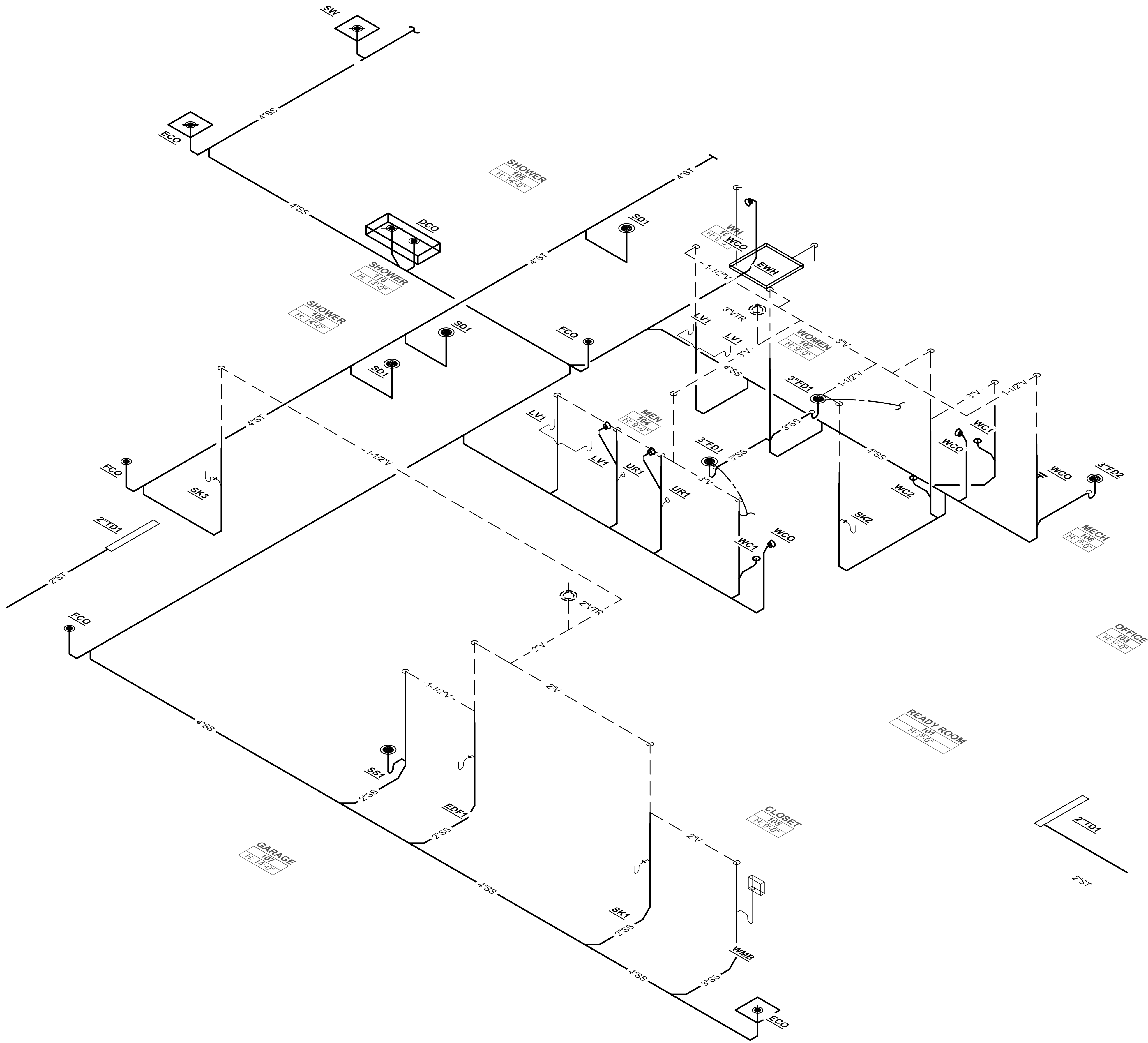
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A1
P401

DWV RISER DIAGRAM

SCALE: N.T.S.



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Texas Firm Registration No. F-008319

5/15/2025

SEAN M. RODRIGUEZ

96478

REGISTERED PROFESSIONAL ENGINEER

24214

Project Name:	Lifeguard Headquarters	Project No:	21004
Project Address:	303 Ninth Street Port Aransas, TX 78373	Date:	MAY 2025
Project Title:	PLUMBING-DWV RISER DIAGRAM-IFC 05-15-2025	Revision:	1

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