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D1 FITNESS CENTER

THE GROVES OF ALEDO

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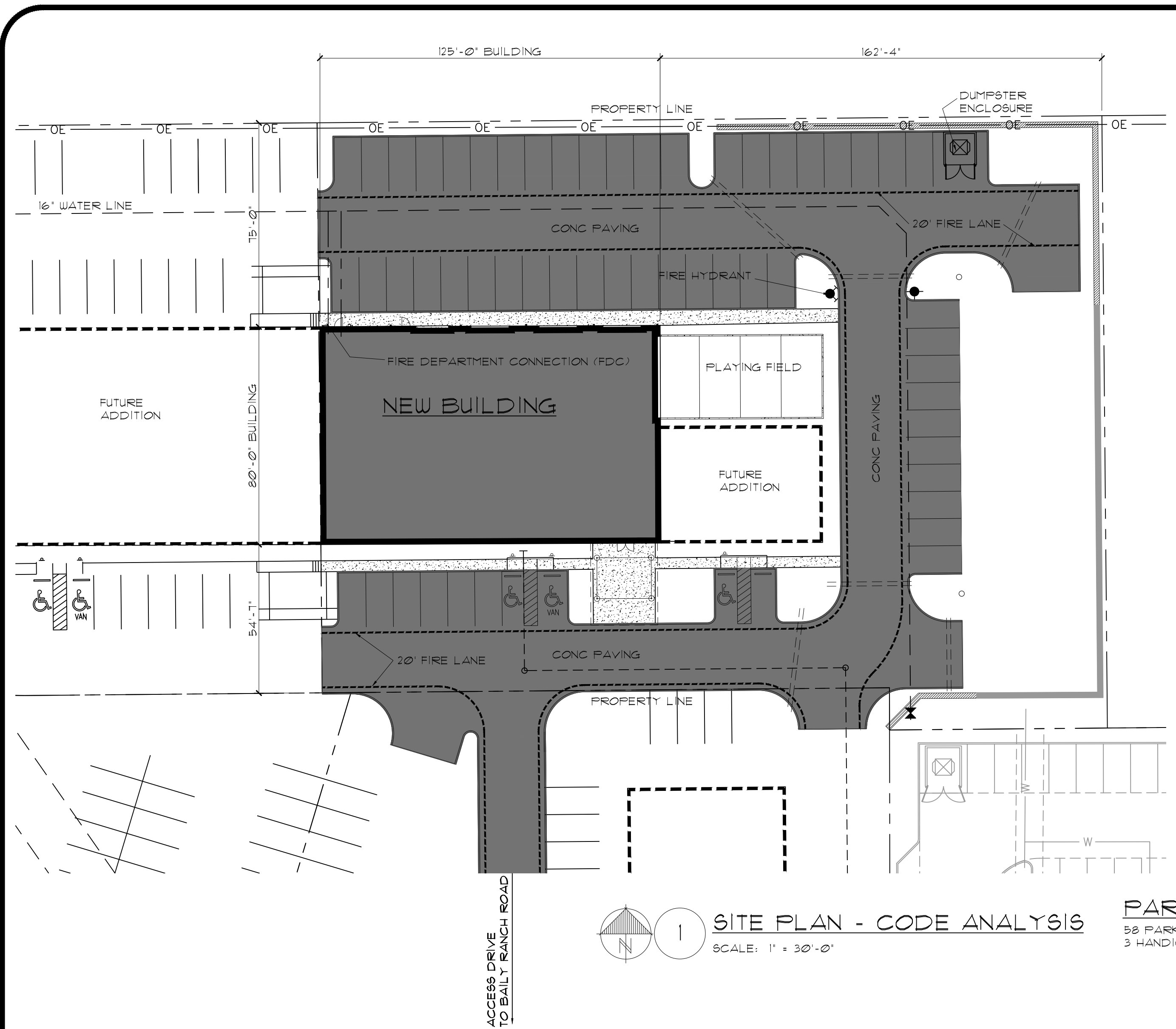


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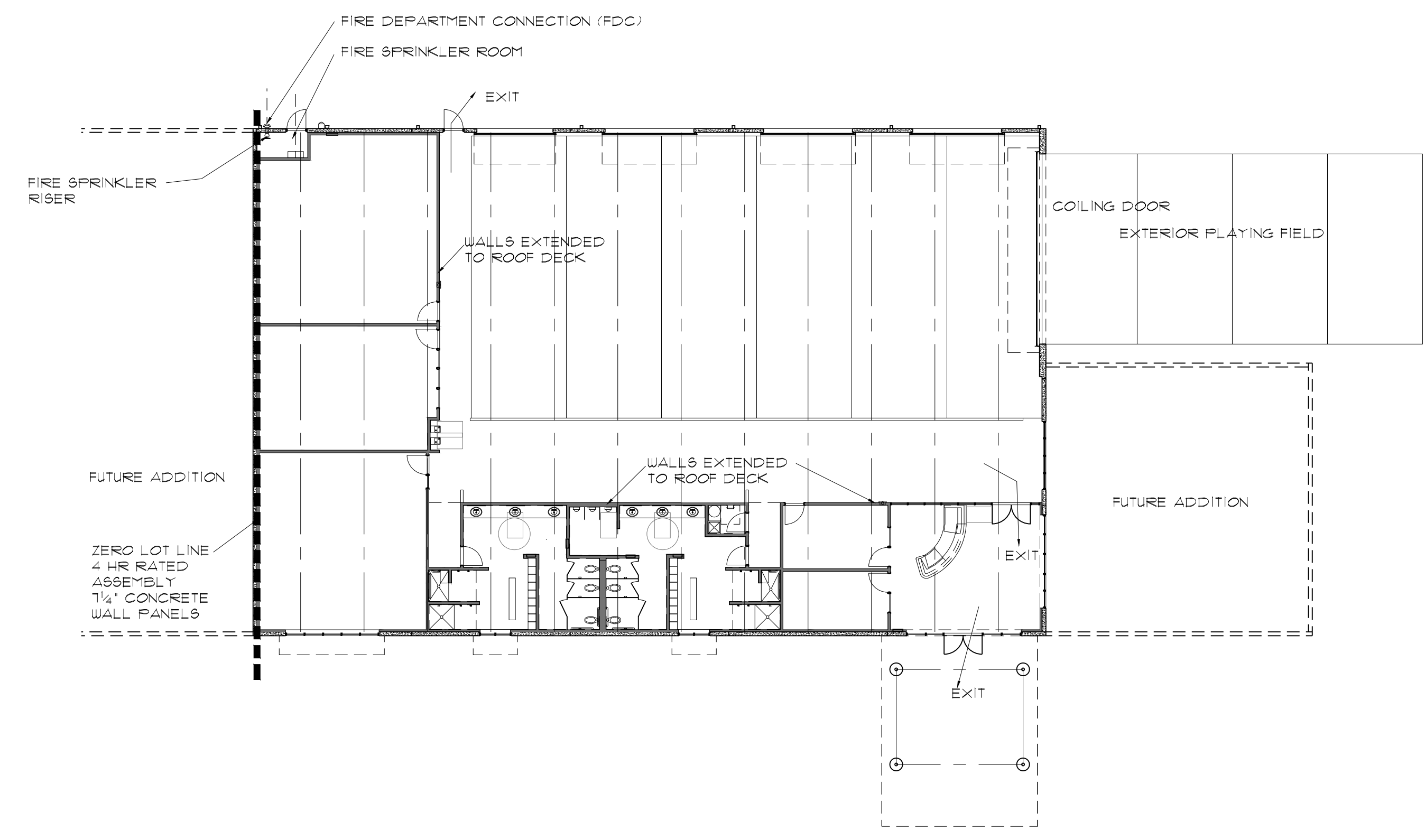


FEBRUARY 9, 2018
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1 SITE PLAN - CODE ANALYSIS
SCALE: 1" = 30'-0"

PARKING:
58 PARKING SPACES PROVIDED
3 HANDICAP PARKING SPACES PROVIDED



THIS BUILDING SHALL HAVE AN APPROVED FIRE SPRINKLER SYSTEM
2 FLOOR PLAN - CODE ANALYSIS
SCALE: 1/16" = 1'-0"

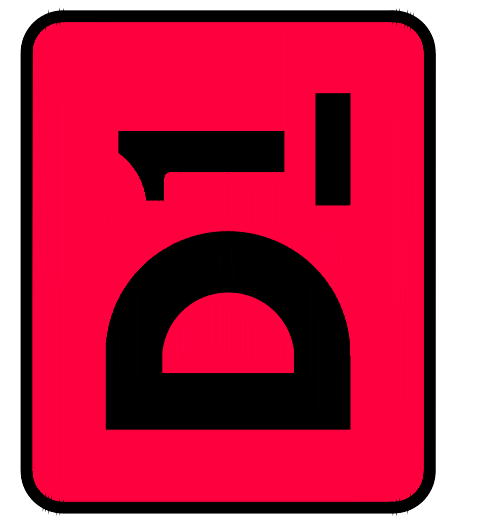
D1 FITNESS CENTER										
BUILDING CODES										
2015 IBC	INTERNATIONAL BUILDING CODE							TABLE 601	TYPE II-B CONSTRUCTION TYPE	
2015 IECC	INTERNATIONAL ENERGY CONSERVATION CODE							STRUCTURAL FRAME	0 HR	
2015 IPC	INTERNATIONAL PLUMBING CODE							BEARING WALLS EXTERIOR	0 HR	
2015 IMC	INTERNATIONAL MECHANICAL CODE							INTERIOR	0 HR	
2017 NEC	NATIONAL ELECTRICAL CODE							FLOOR CONSTRUCTION	0 HR	
2015 IFC	INTERNATIONAL FIRE CODE							ROOF CONSTRUCTION	0 HR	
TEXAS ACCESSIBILITY STANDARDS (ADA)										
100% FIRE SPRINKLER SYSTEM										
TABLE 602 TYPE II B										
WEST BUILDING LINE ON WEST PROPERTY LINE								4 HR FR WALL ASSEMBLY		
Building Areas										
D1 FITNESS CENTER		10,000 SF								
OCCUPANCY										
OCCUPANT LOAD:		FITNESS CENTER	A-3	10,000 SF	200.00	OCCUPANTS	50	SF / OCCUPANT		
TOTAL OCCUPANCY		10,000 SF	200.00	OCCUPANTS						
ALLOWABLE AREA										
TYPE II B										
TABLE 503										
BUILDING TYPE										
A-3 OCCUPANCY		10,000 SF BLD AREA	9,500 SF	ALLOWABLE						
		FIRE SPRINKLER SYS INCREASE	200%	AREA - OK						
			19,000 SF							

SA
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CODE ANALYSIS

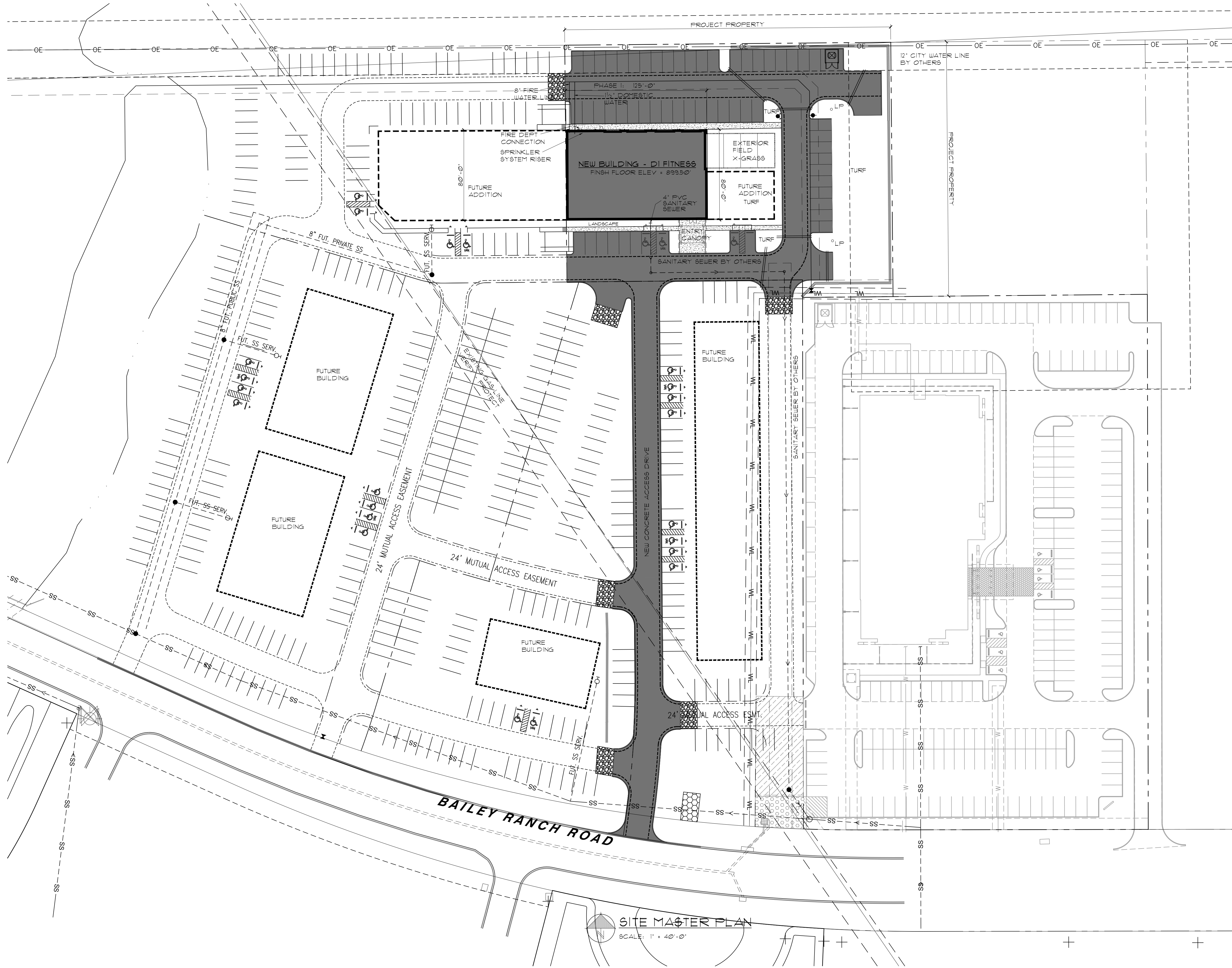
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G1.1

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SITE MASTER PLAN
SCALE: 1" = 40'-0"



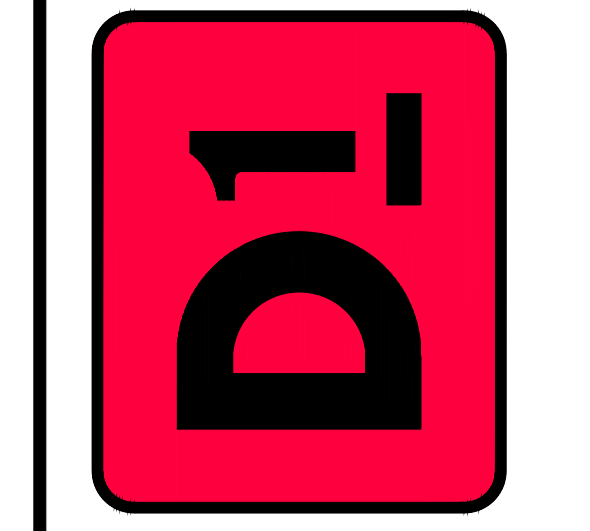
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SITE PLAN

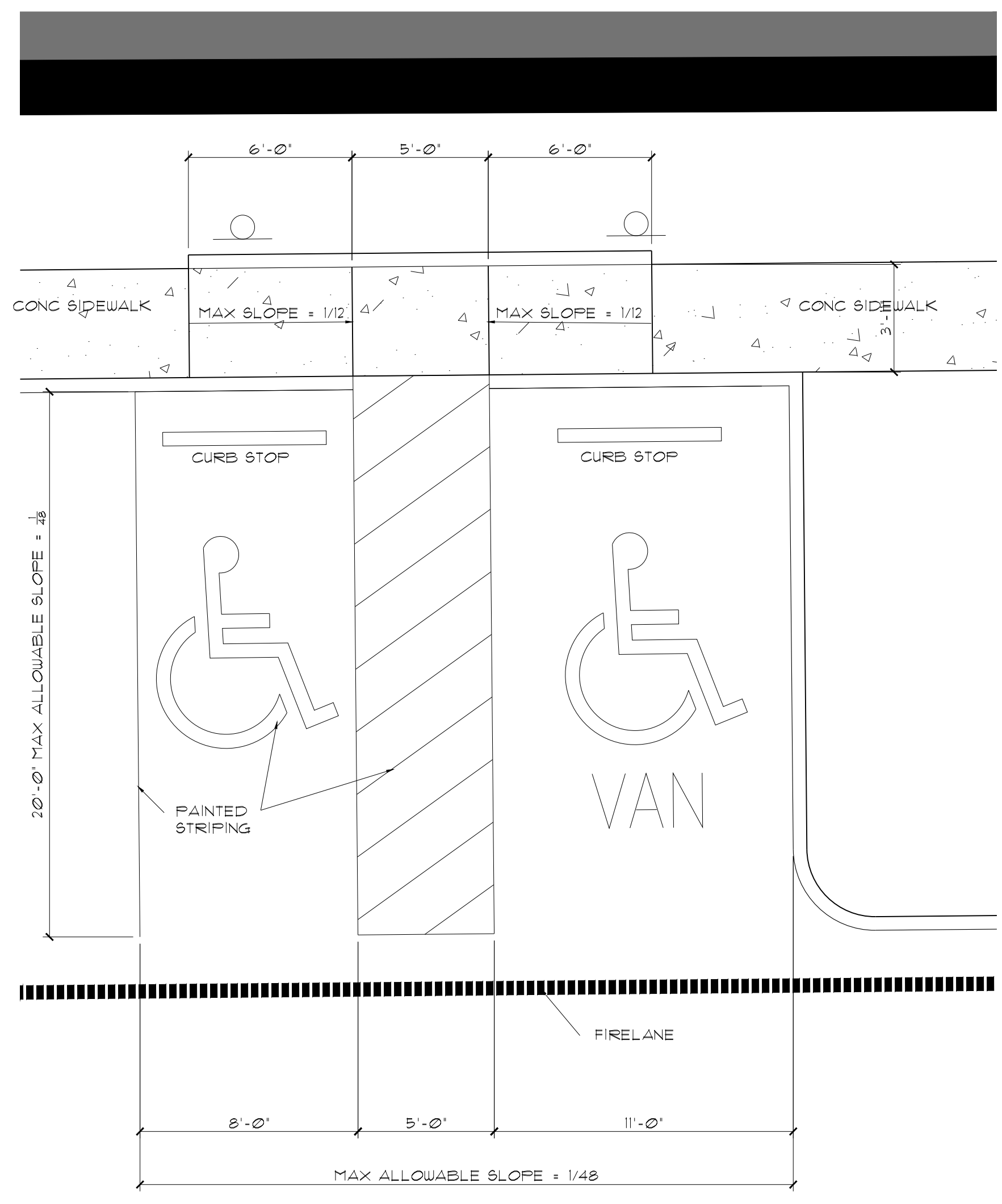
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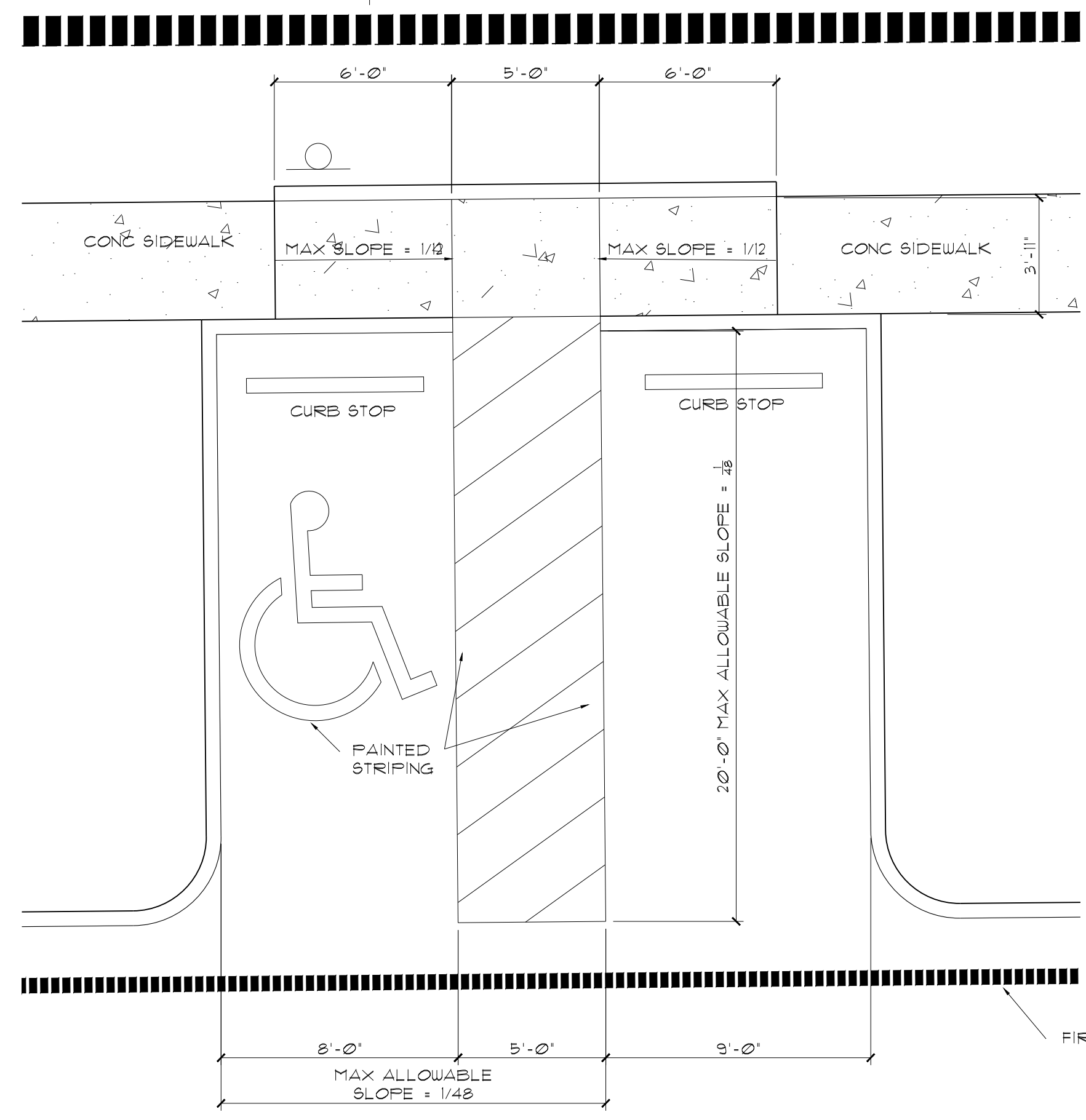
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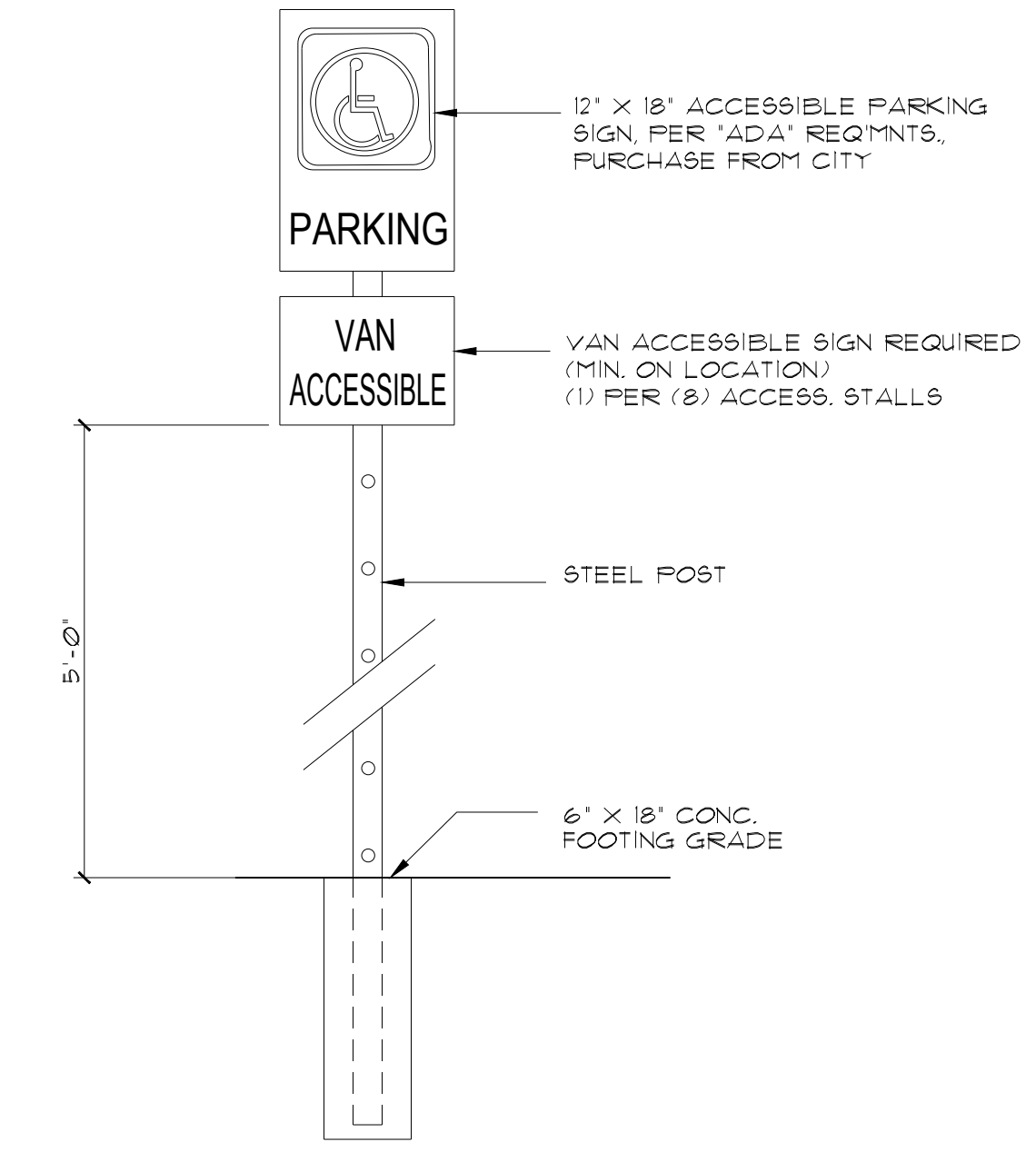


2 HC PARKING
SCALE: 1/4" = 1'-0"

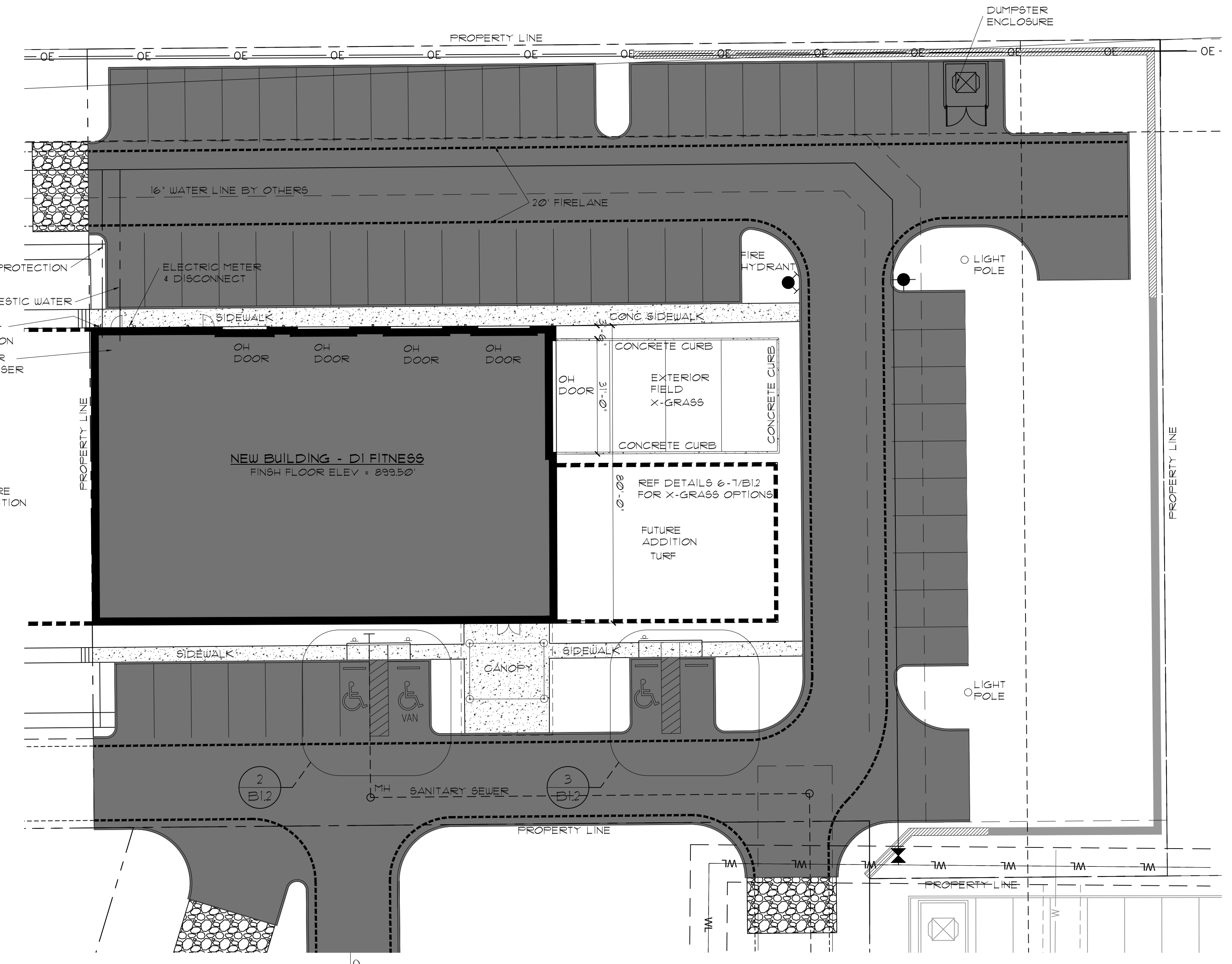


3 HC PARKING
SCALE: 1/4" = 1'-0"

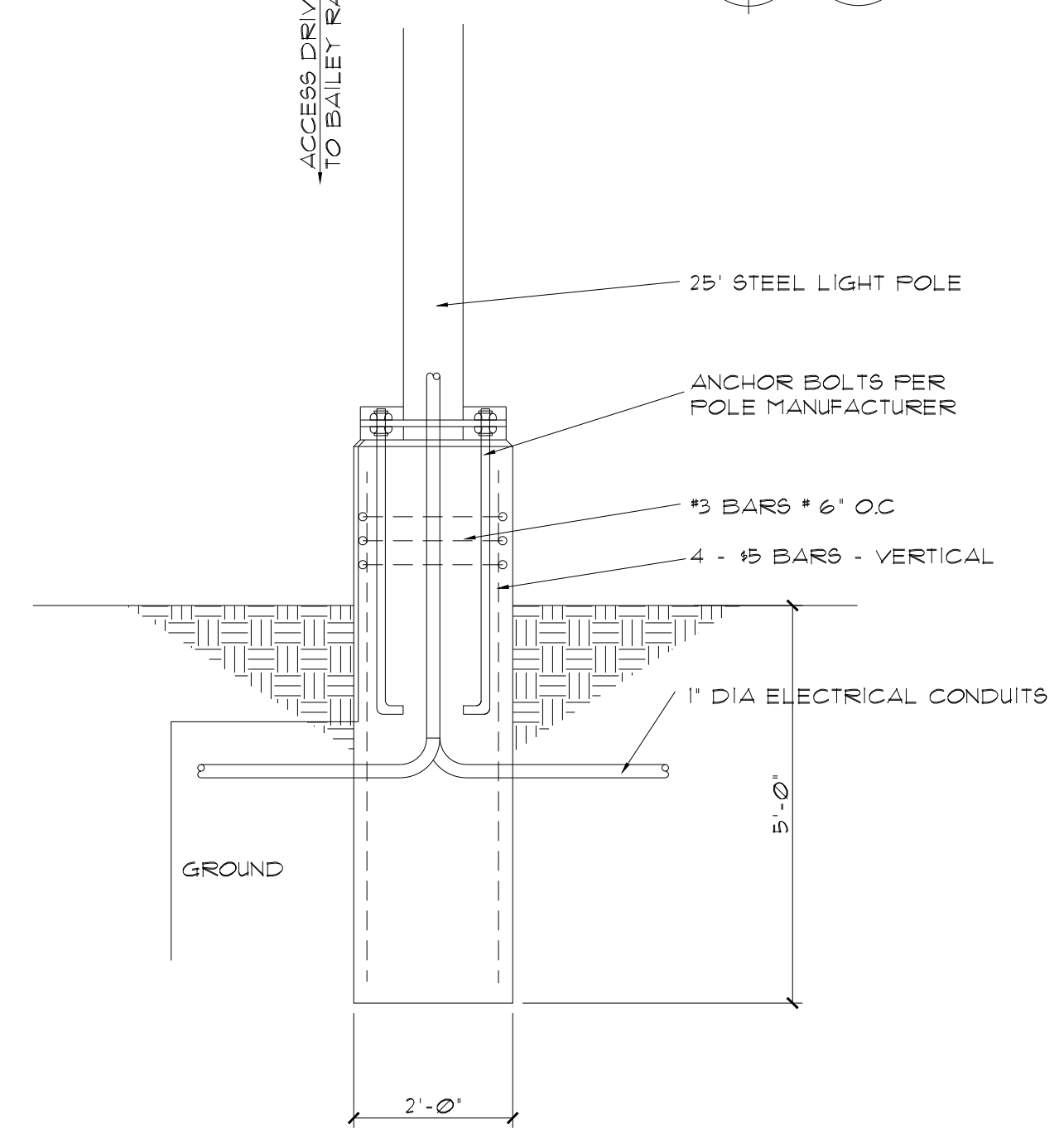
INTERNATIONAL SYMBOL OF ACCESSIBILITY



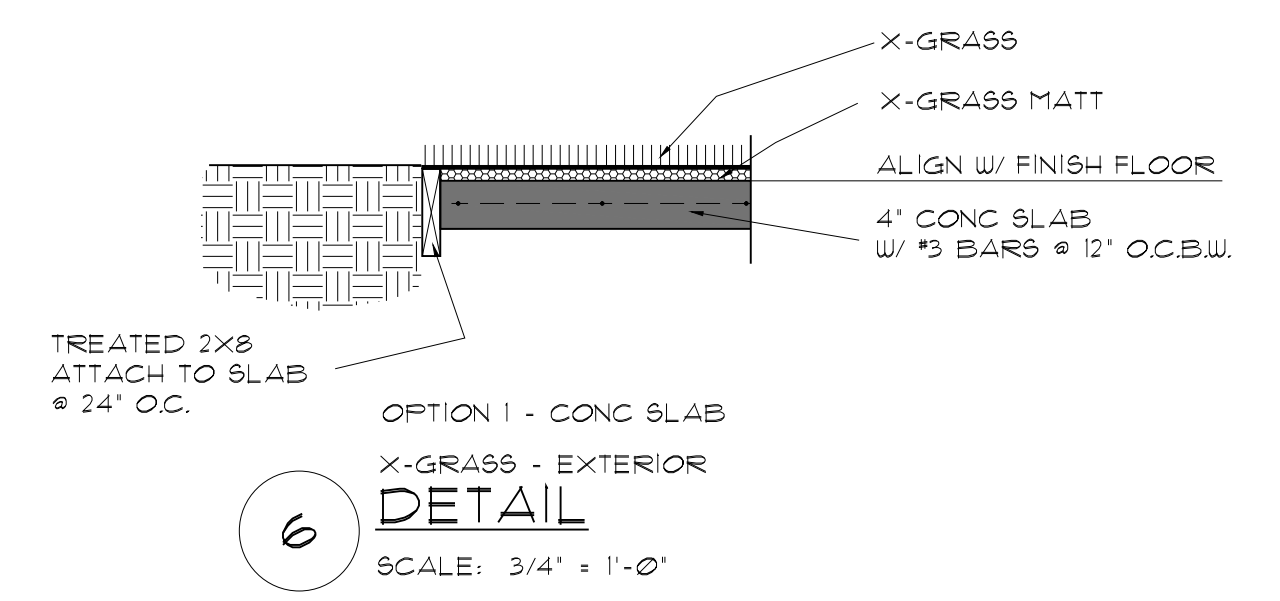
4 ACCESSIBLE PARKING SIGN
SCALE: NTS



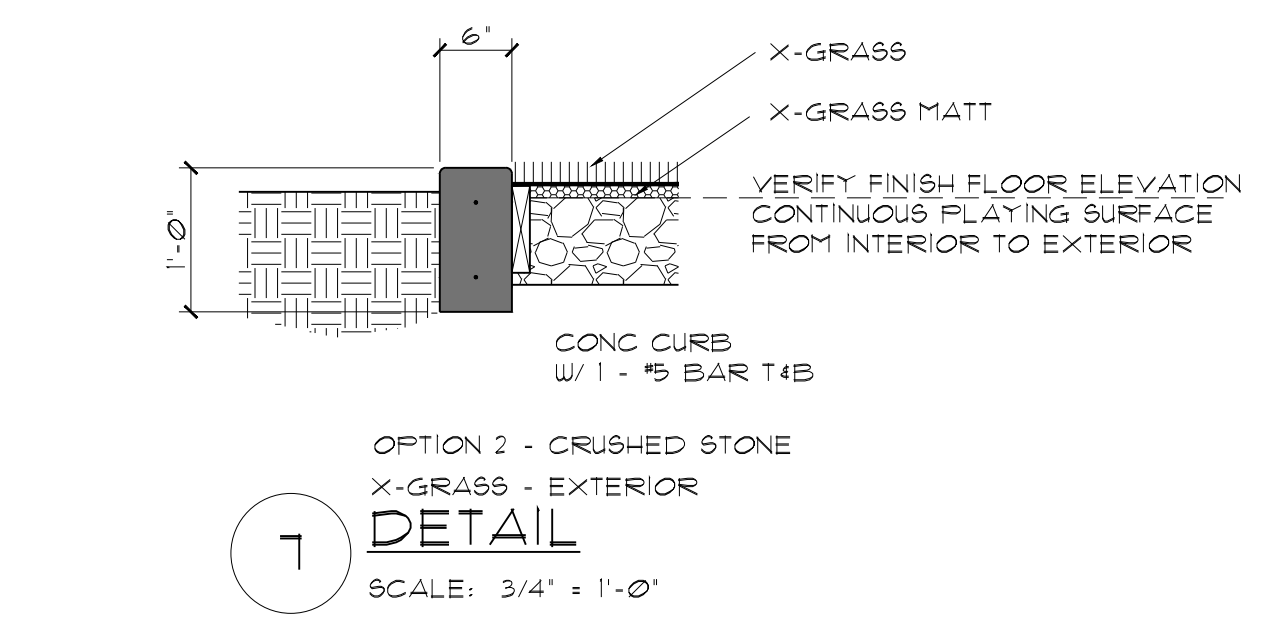
1 SITE PLAN
SCALE: 1" = 20'-0"



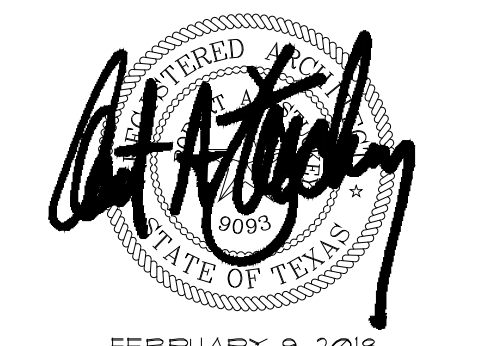
5 LIGHT POLE
SCALE: 1/2" = 1'-0"



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



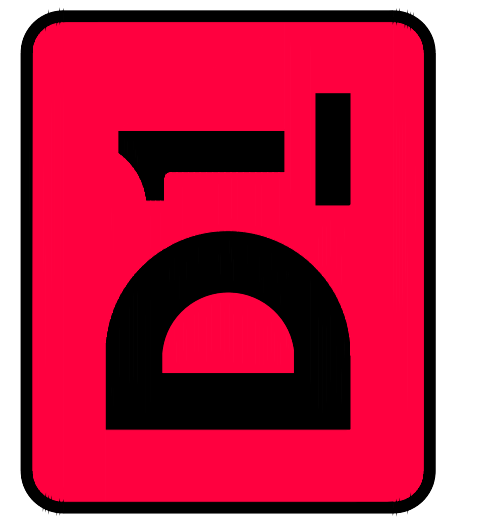
7 DETAIL
SCALE: 3/4" = 1'-0"



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SITE PLAN

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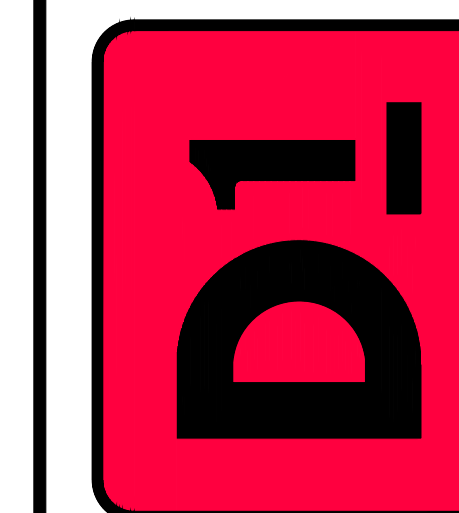
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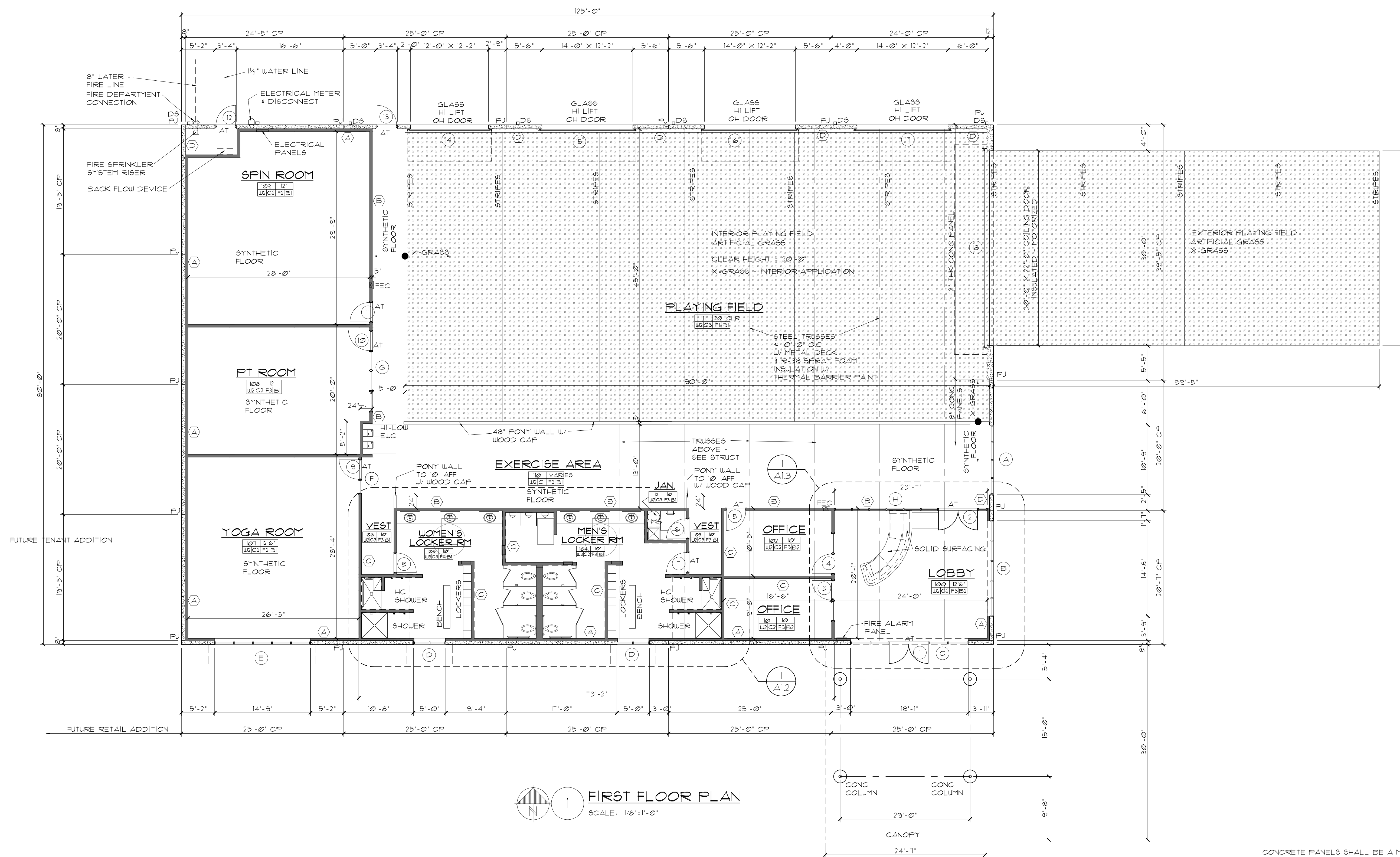
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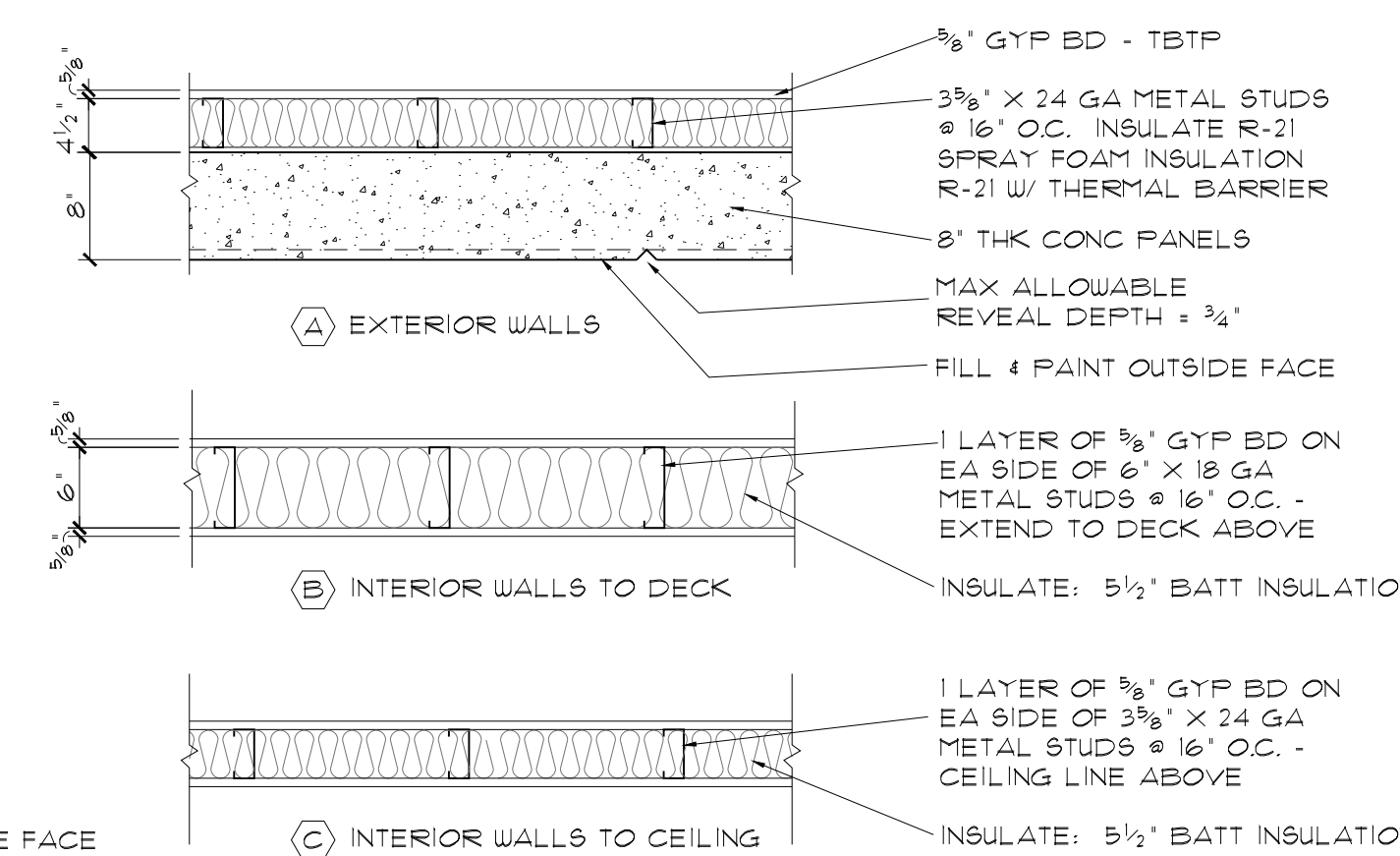
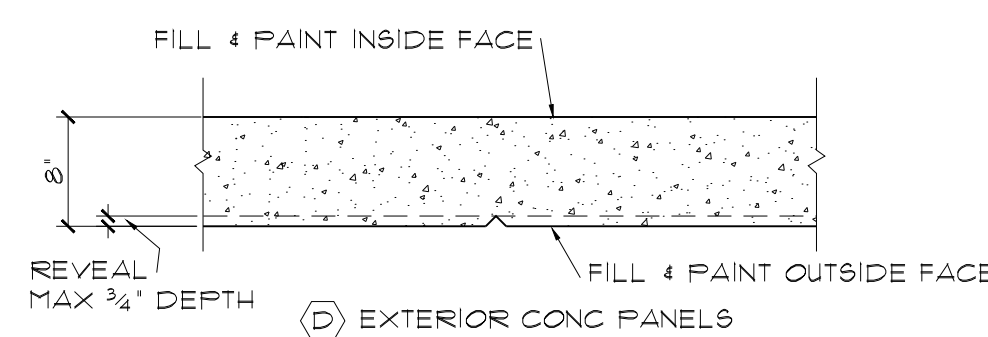


FIRST FLOOR PLAN
 SCALE: 1/8"=1'-0"

INSULATION:

- EXTERIOR WALLS R-21 SPRAY FOAM INSULATION PROVIDE THERMAL BARRIER 3/8" GYP BD OR TB PAINT
- ROOF DECK R-38 SPRAY FOAM INSULATION W/ THERMAL BARRIER PAINT
- INTERIOR WALLS BATT INSULATION 6" STUDS: 5 1/2" BATT INSULATION 3 3/8" STUDS: 3 1/2" BATT INSULATION

** ALL EXPOSED SPRAY FOAM INSULATION SHALL HAVE A THERMAL BARRIER PAINT - NO EXCEPTIONS

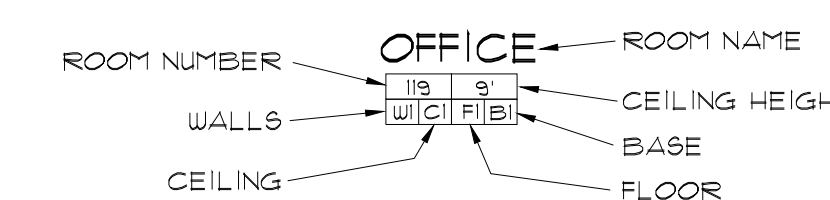


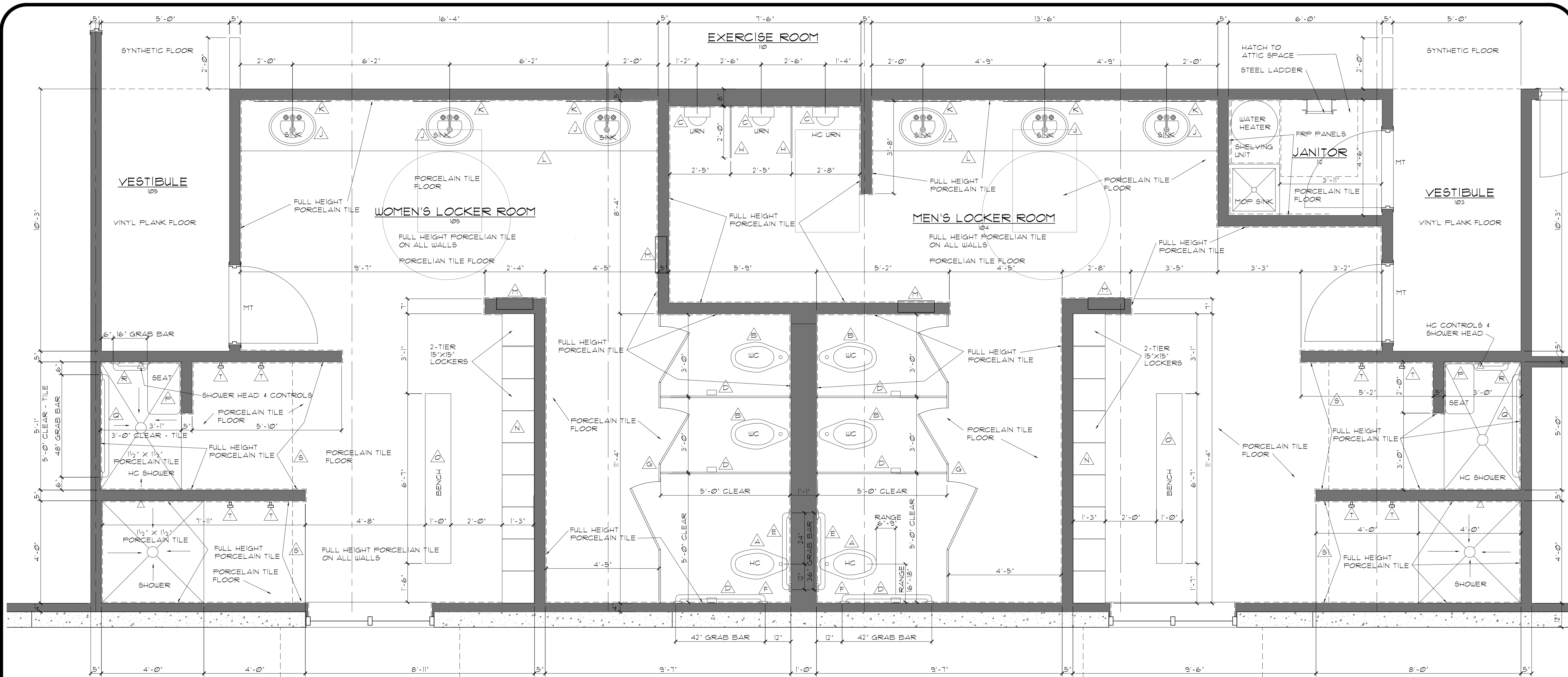
2 WALL TYPES
 SCALE: NTS

CONCRETE PANELS SHALL BE A MINIMUM OF 8" THICKNESS

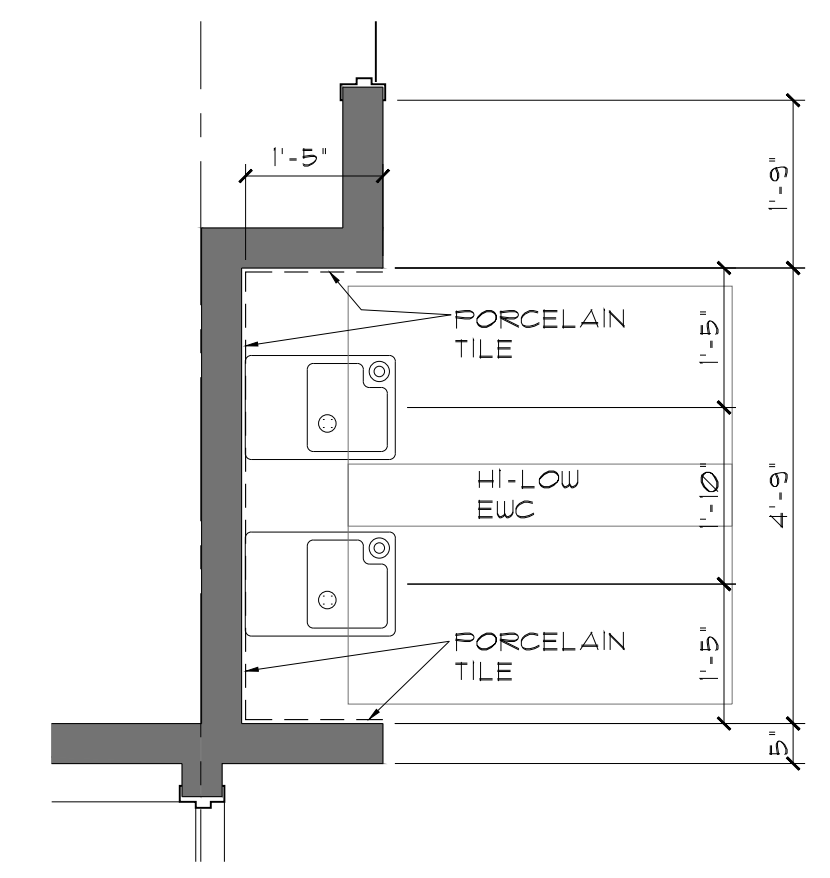
ROOM FINISH LEGEND

- FLOOR: F1 X-GRASS ASSEMBLY, F2 SYNTHETIC FLOORING, F3 VINYL WOOD FLANK, F4 PORCELAIN TILE
- BASE: B1 6" WOOD, B2 6" VINYL BASE, B3 PORCELAIN TILE, B4 NONE
- WALLS: W1 CONCRETE PANELS - FILL 4 PAINT, W2 DRYWALL - TBTP, W3 PORCELAIN TILE, W4 CONCRETE PANELS - NO FINISH
- CEILING: C1 EXPOSED STRUCTURE - PAINTED, C2 2'X2' ACOUSTICAL LAY-IN, C3 DRYWALL - TBTP, C4 NONE - EXPOSED STRUCTURE





1 LOCKER ROOMS FLOOR PLAN
SCALE: 1/2"=1'-0"



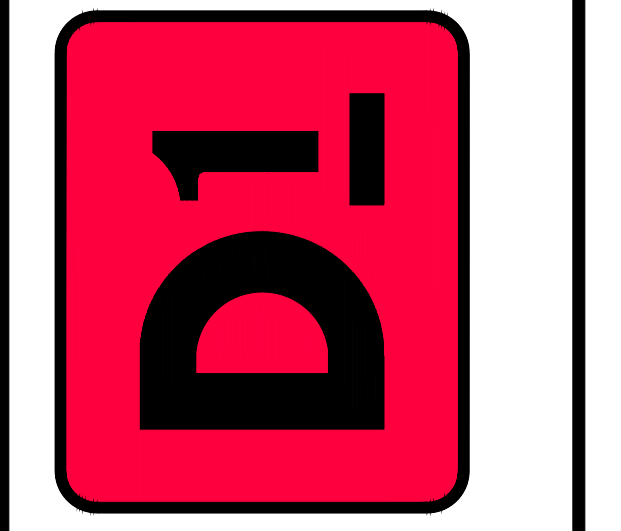
2 EWC PLAN
SCALE: 1/2"=1'-0"

TOILET ACCESSORIES	
A	WATER CLOSET - HANDICAP
B	WATER CLOSET - STANDARD
C	URINAL
D	TISSUE HOLDER
E	42" GRAB BAR
F	36" GRAB BAR
G	TOILET PARTITIONS
H	URINAL PARTITIONS
J	SINK
K	36" X 36" FRAMELESS MIRROR
L	HC KNEE SHIELD
M	RECESSED PAPER TOWEL HOLDER & TRASH BIN
N	15"X15" - 2 TIER LOCKERS
O	12" X 6'-6" BENCH
P	HANDICAP SEAT
Q	48" GRAB BAR
R	16" GRAB BAR
S	CURTAIN ROD W/ CURTAIN
T	STAINLESS STEEL HANGING HOOKS

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 THE GROVES OF ALEDO
 ALEDO, TEXAS

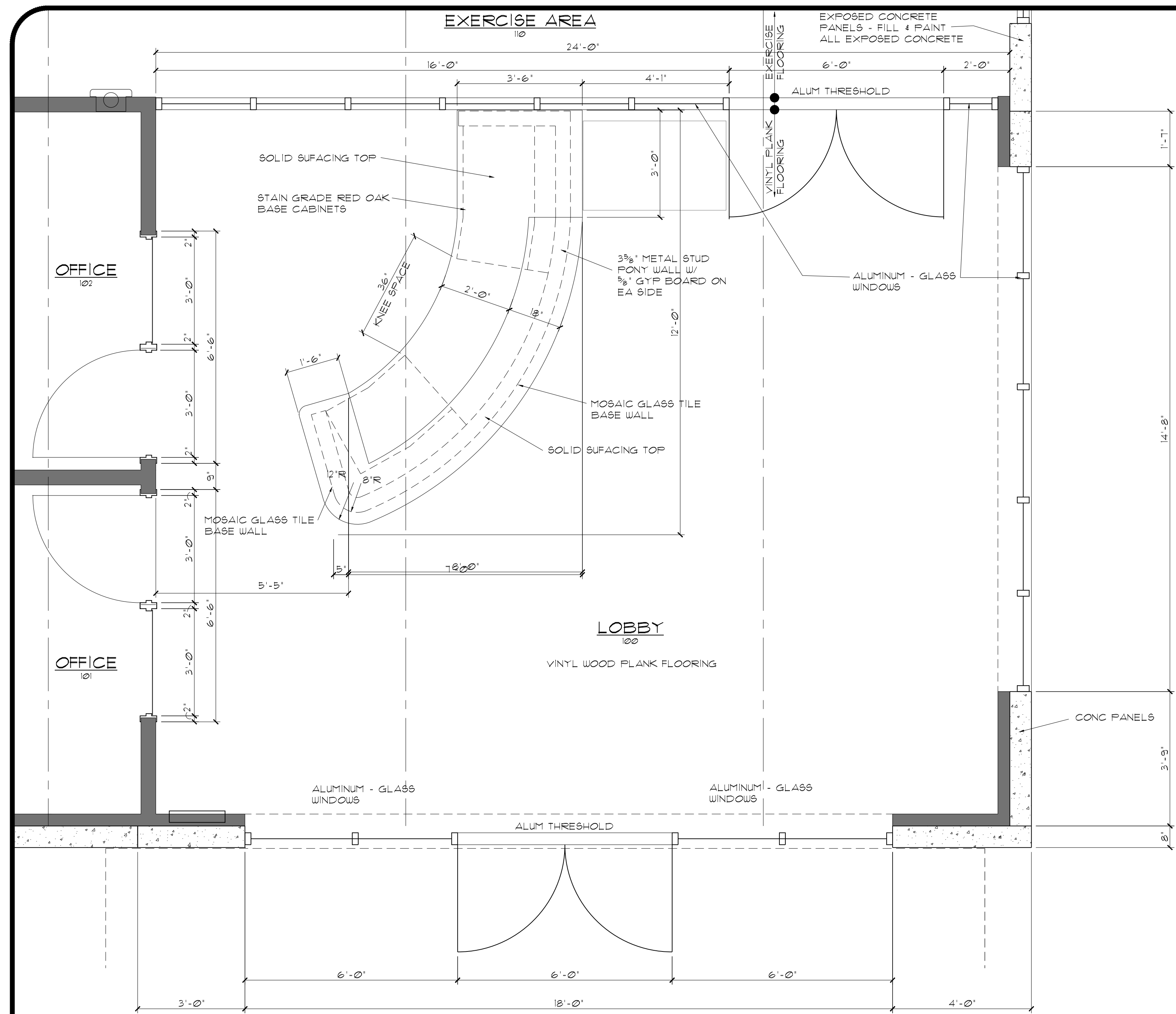


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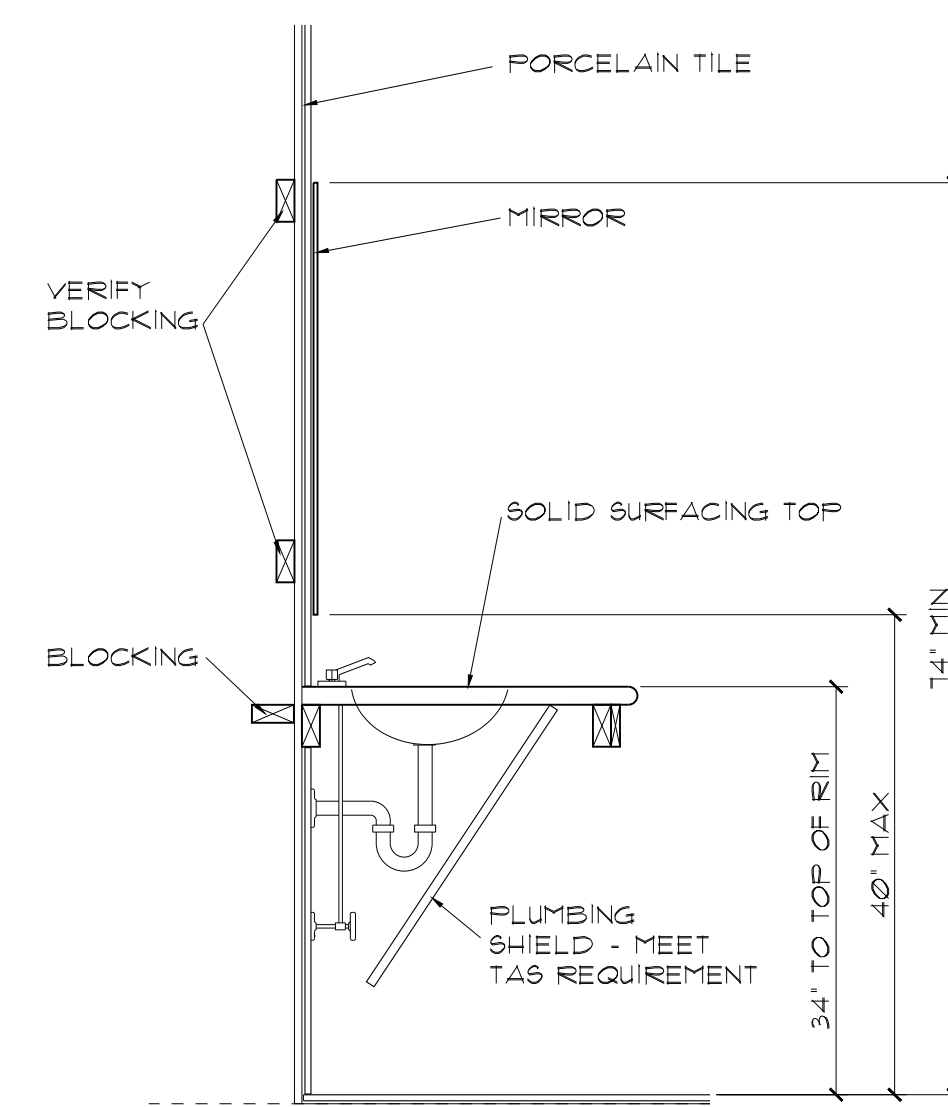
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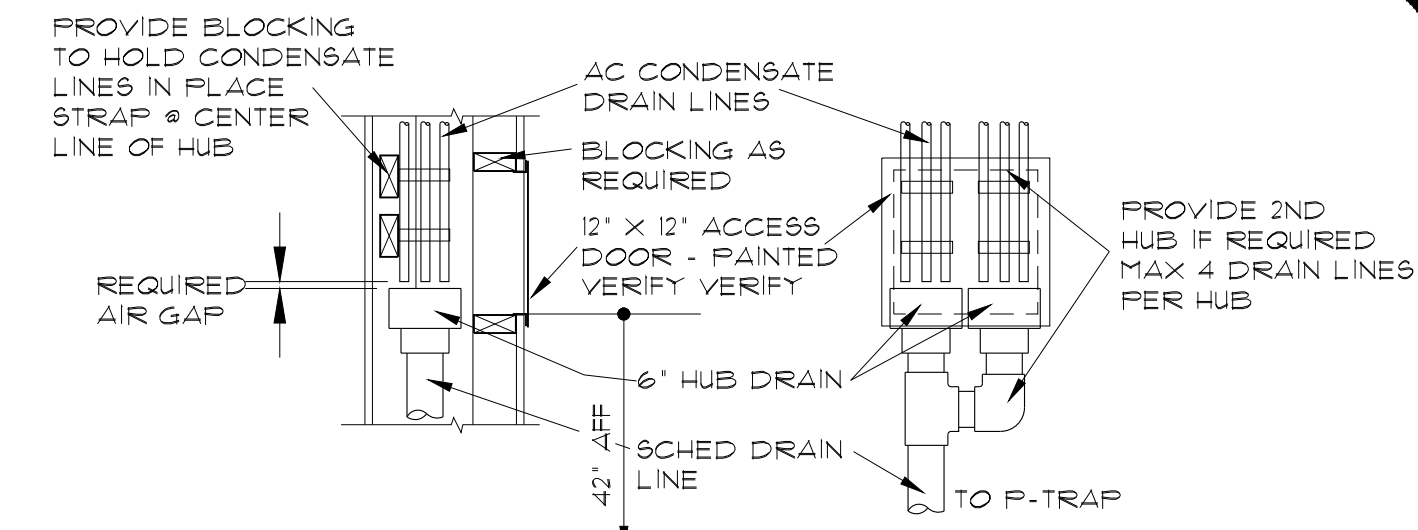
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1 LOBBY - RECEPTION
SCALE: 1/2" = 1'-0"

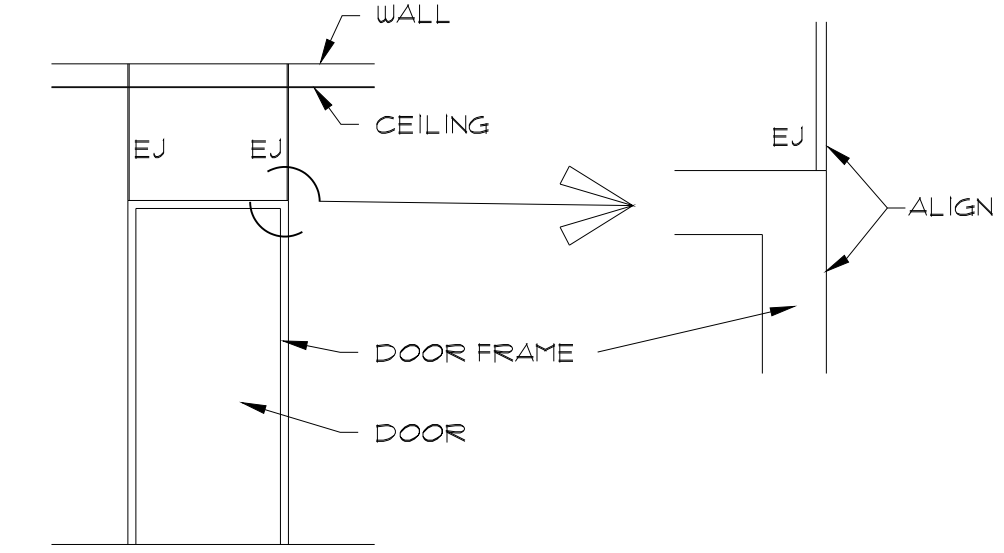


4 LAVATORY SECTION
SCALE: 3/4" = 1'-0"

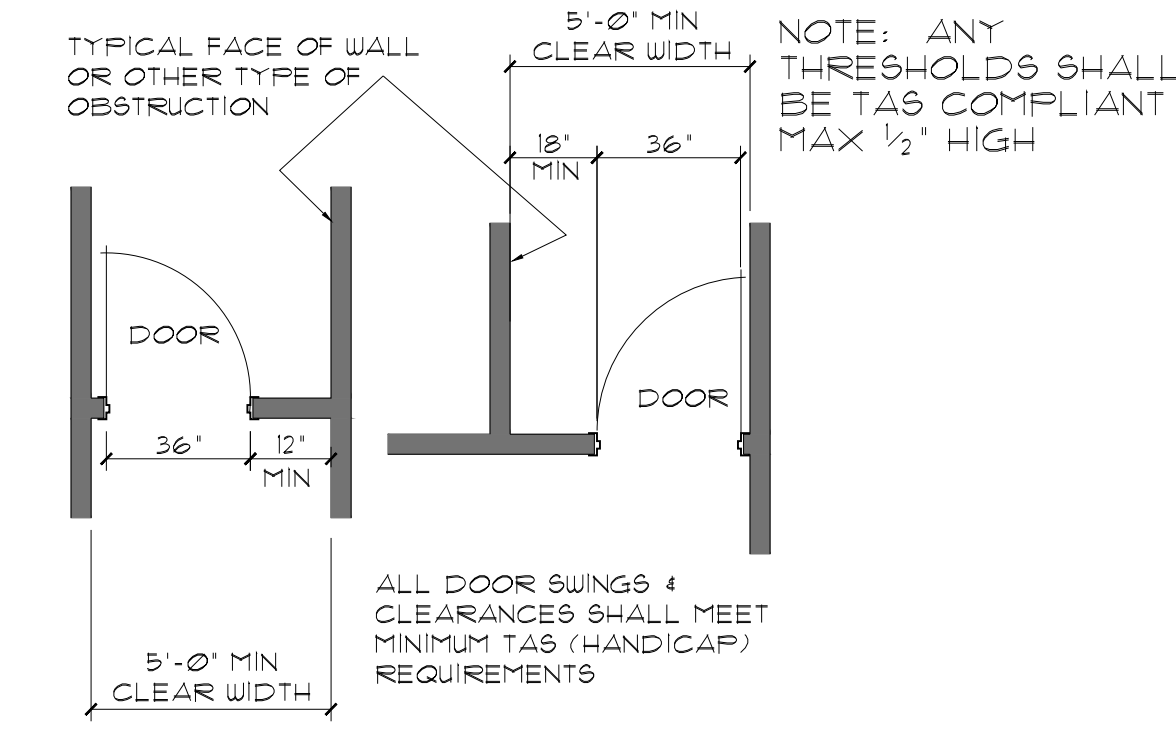


5 AC CONDENSATE HUB DRAIN
SCALE: 3/4" = 1'-0"

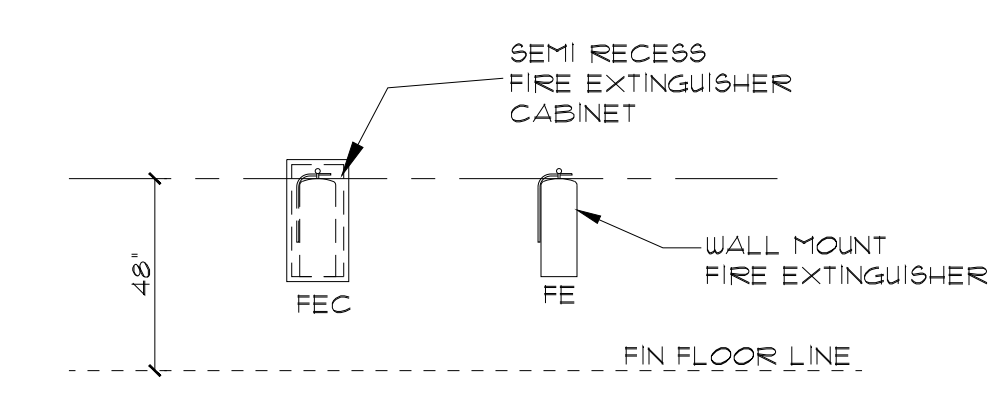
NOTE: ALL DOORS BOTH TOP & BOTTOM EDGES OF ALL DOOR PANELS SHALL BE SANDED SMOOTH, FINISHED & SEALED TO MATCH DOOR FACE PRIOR TO THE INSTALLATION OF THE DOOR - NO EXCEPTIONS



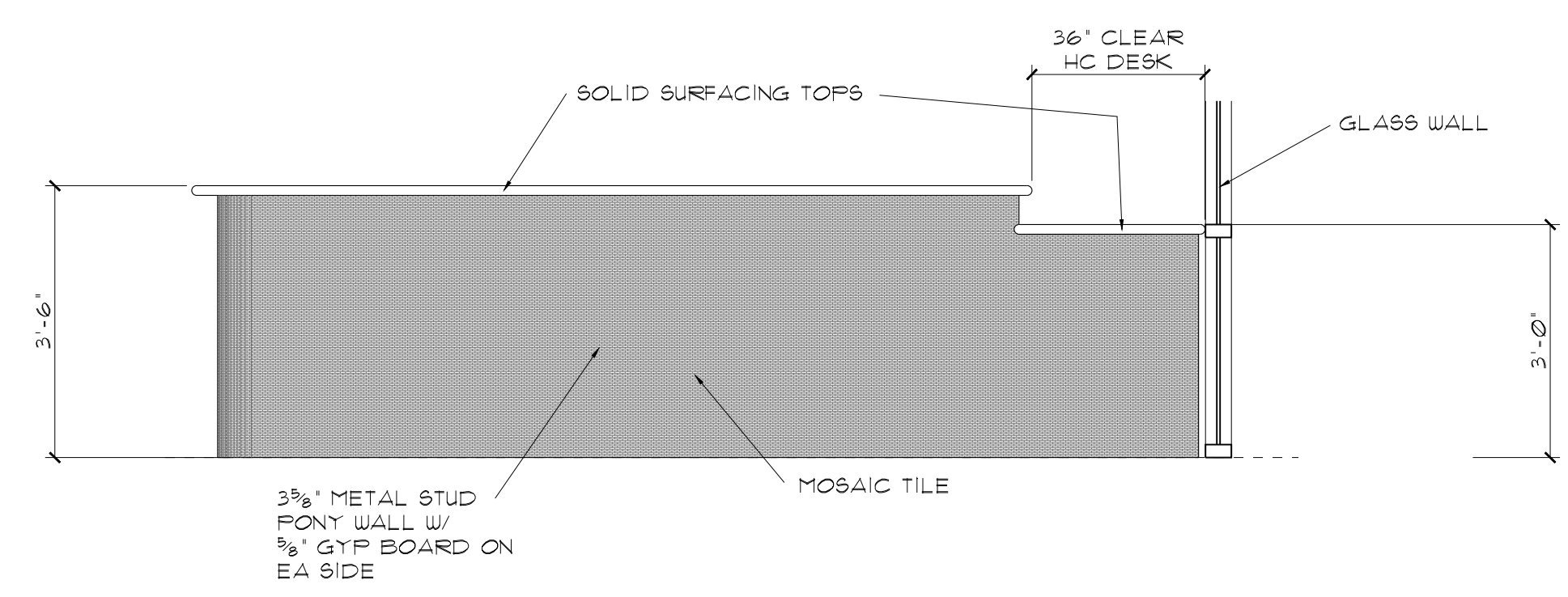
6 TYP DOOR & WINDOW EXPANSION JOINT
SCALE: 1/4" = 1'-0"



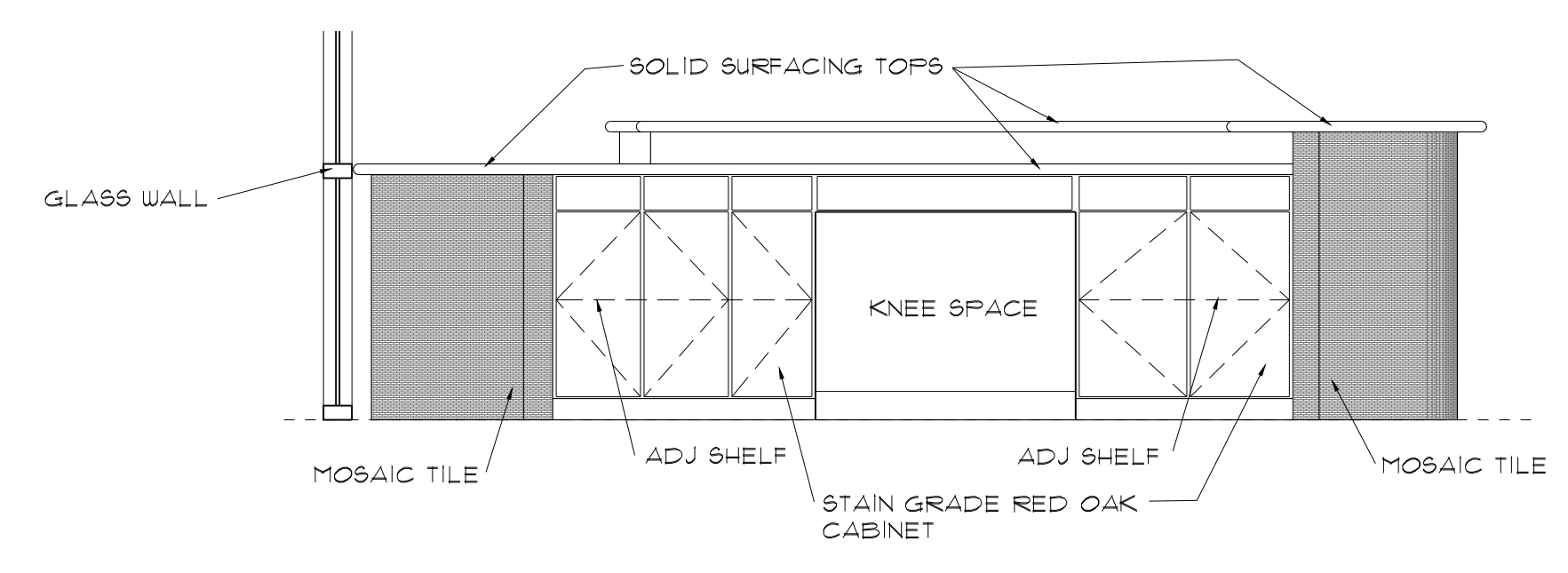
7 TYPICAL - HANDICAP DOOR LAY-OUT
SCALE: 1/8" = 1'-0"



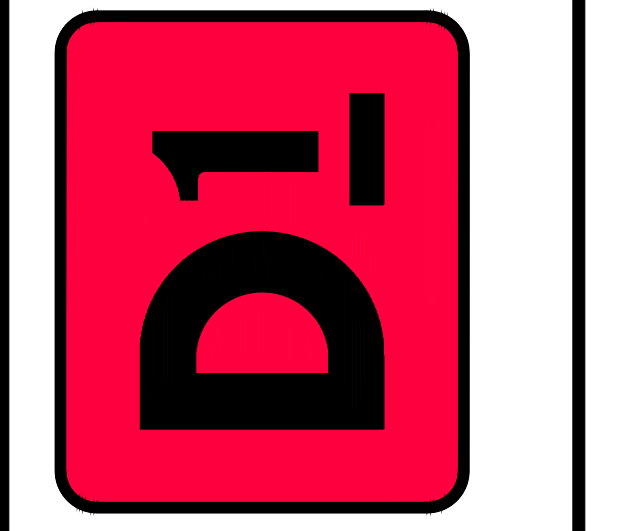
8 FIRE EXTINGUISHERS
SCALE: 1/4" = 1'-0"



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



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



REVISIONS	

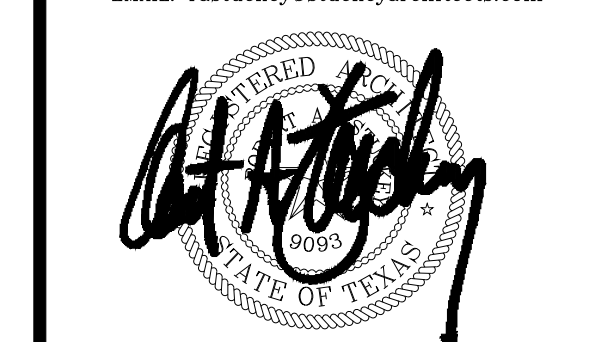
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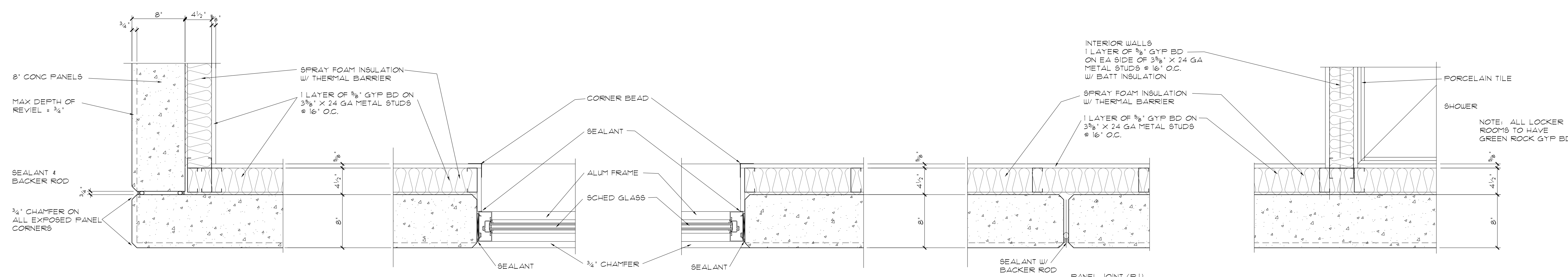


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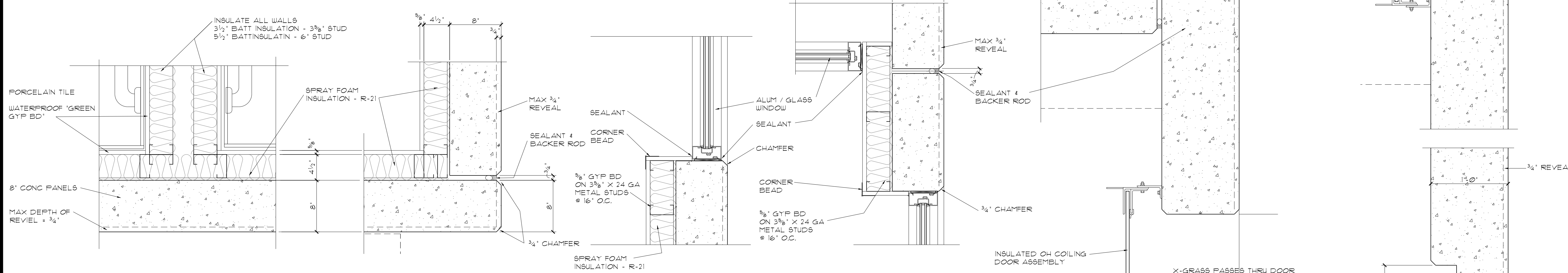
1 PLAN DETAIL
SCALE: 1/2" = 1'-0"

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

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

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

5 PLAN DETAIL
SCALE: 1/2" = 1'-0"



6 PLAN DETAIL
SCALE: 1/2" = 1'-0"

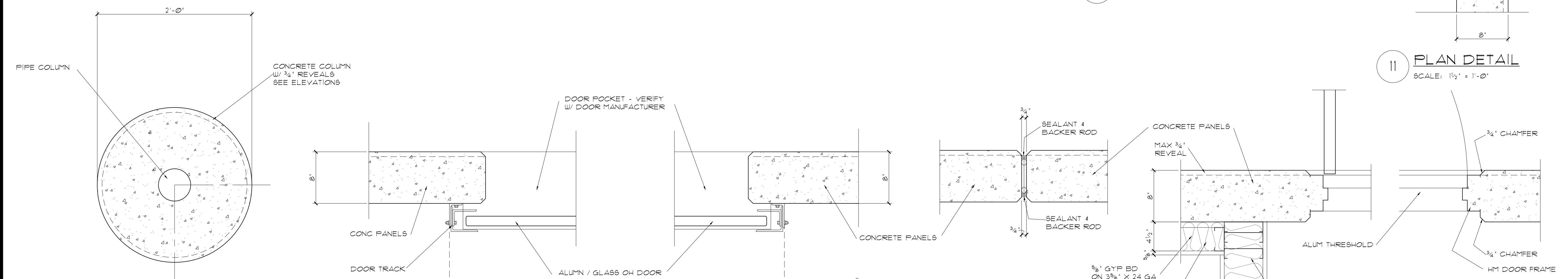
7 PLAN DETAIL
SCALE: 1/2" = 1'-0"

8 PLAN DETAIL
SCALE: 1/2" = 1'-0"

9 PLAN DETAIL
SCALE: 1/2" = 1'-0"

10 PLAN DETAIL
SCALE: 1/2" = 1'-0"

11 PLAN DETAIL
SCALE: 1/2" = 1'-0"



12 PLAN DETAIL
SCALE: 1/2" = 1'-0"

13 PLAN DETAIL
SCALE: 1/2" = 1'-0"

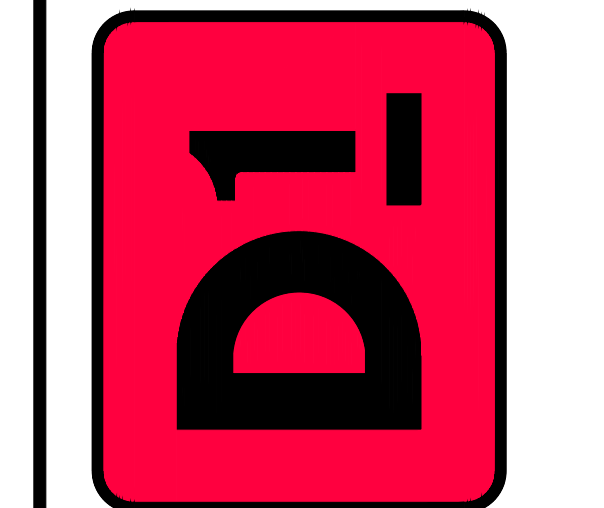
14 PLAN DETAIL
SCALE: 1/2" = 1'-0"

15 PLAN DETAIL
SCALE: 1/2" = 1'-0"

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

17 PLAN DETAIL
SCALE: 1/2" = 1'-0"

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PLAN DETAILS

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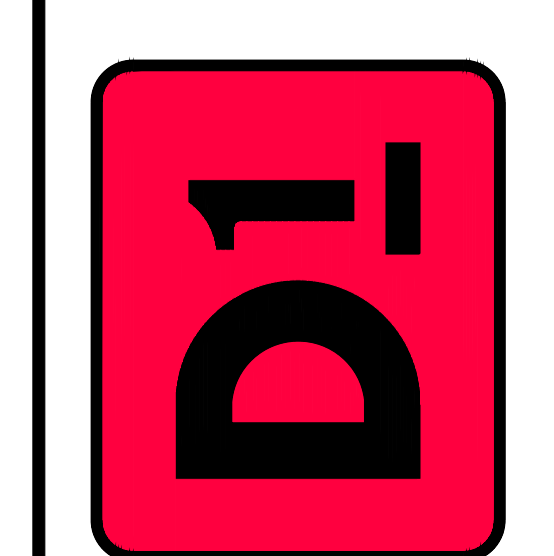
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ELEVATIONS

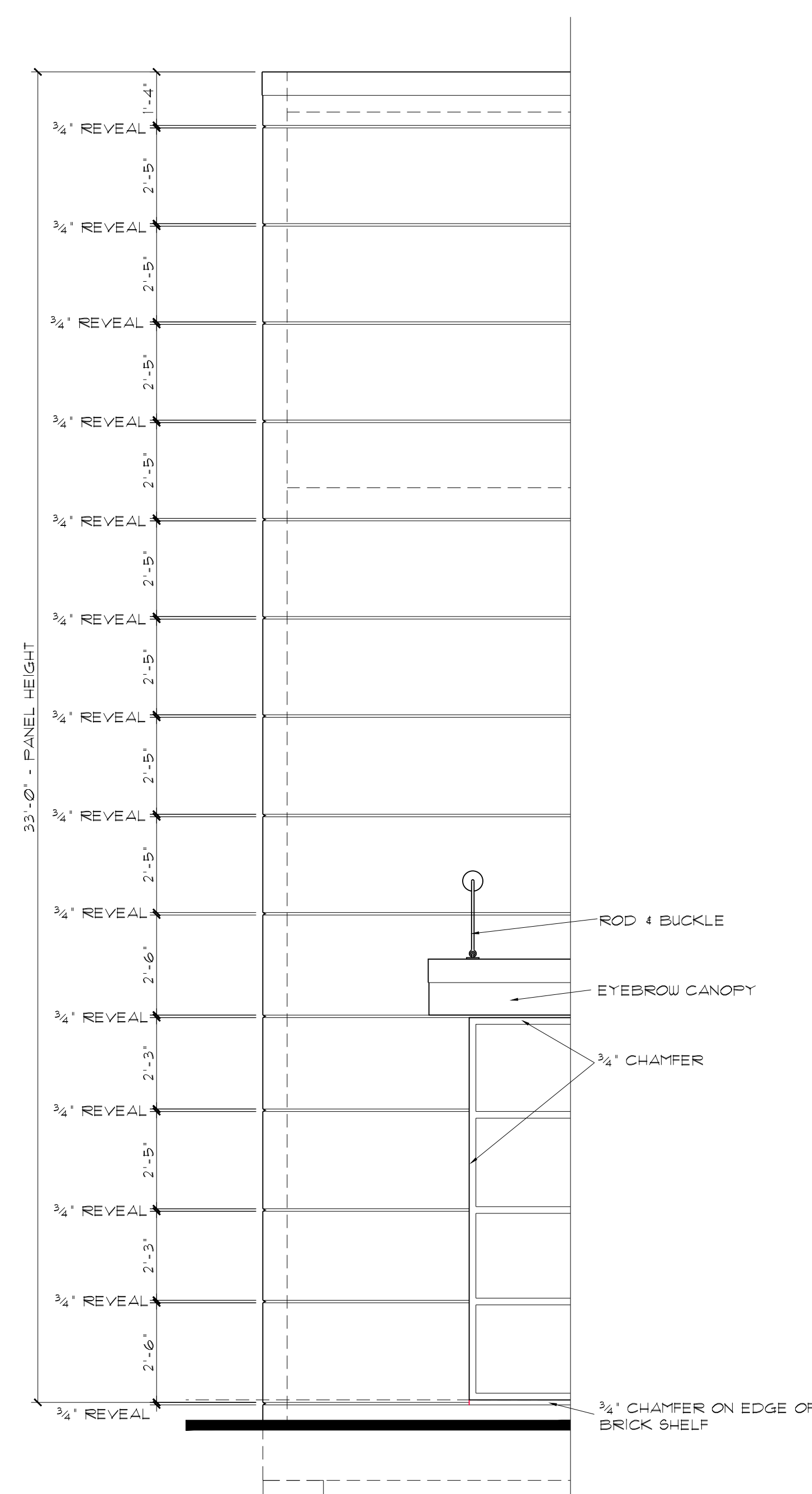
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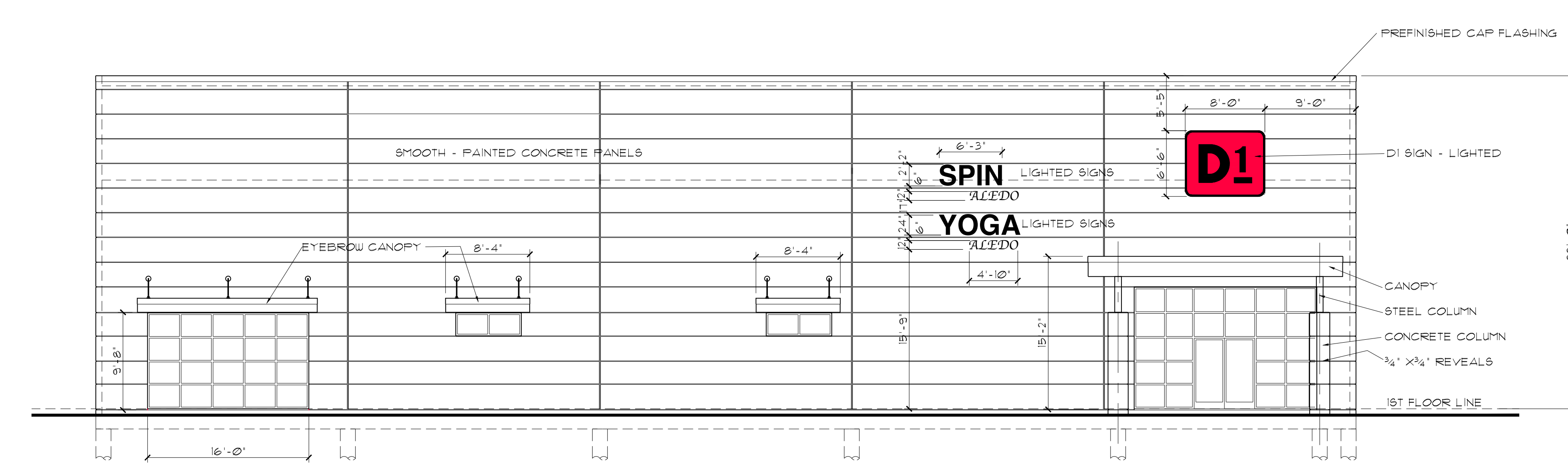
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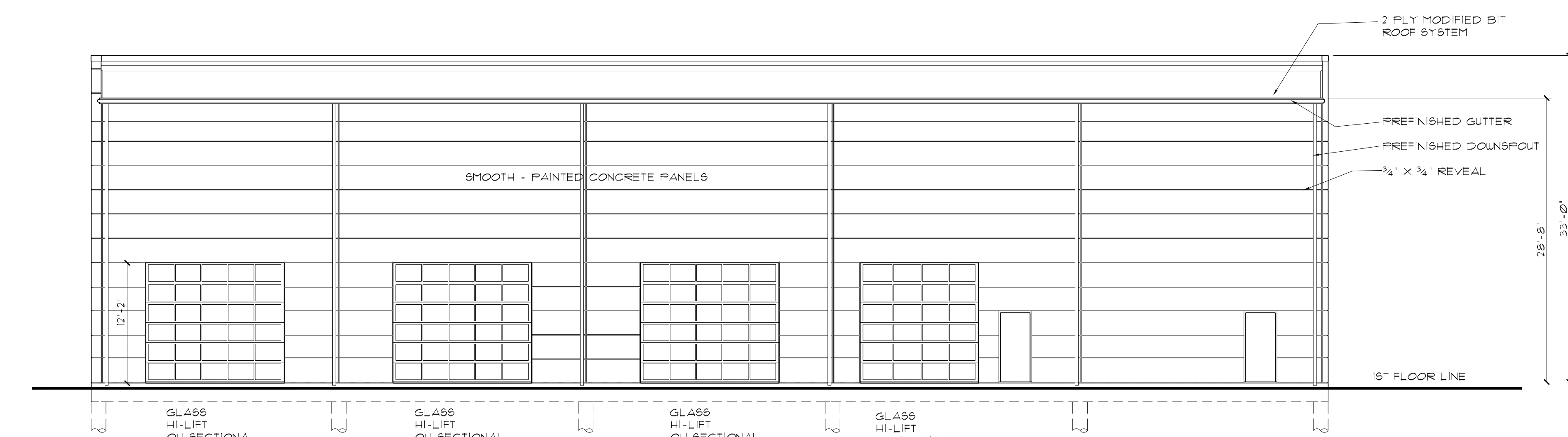
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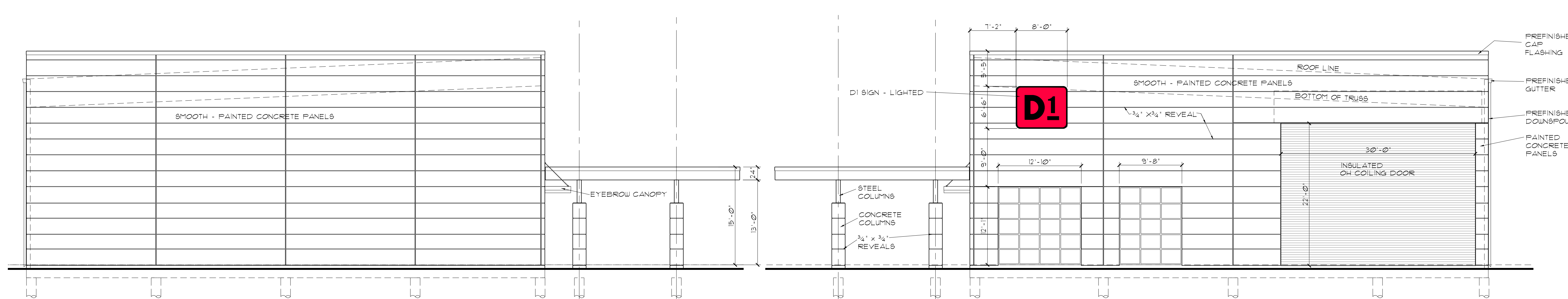
5 REVEAL DIMENSIONS
 SCALE: 3/8"=1'-0"



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

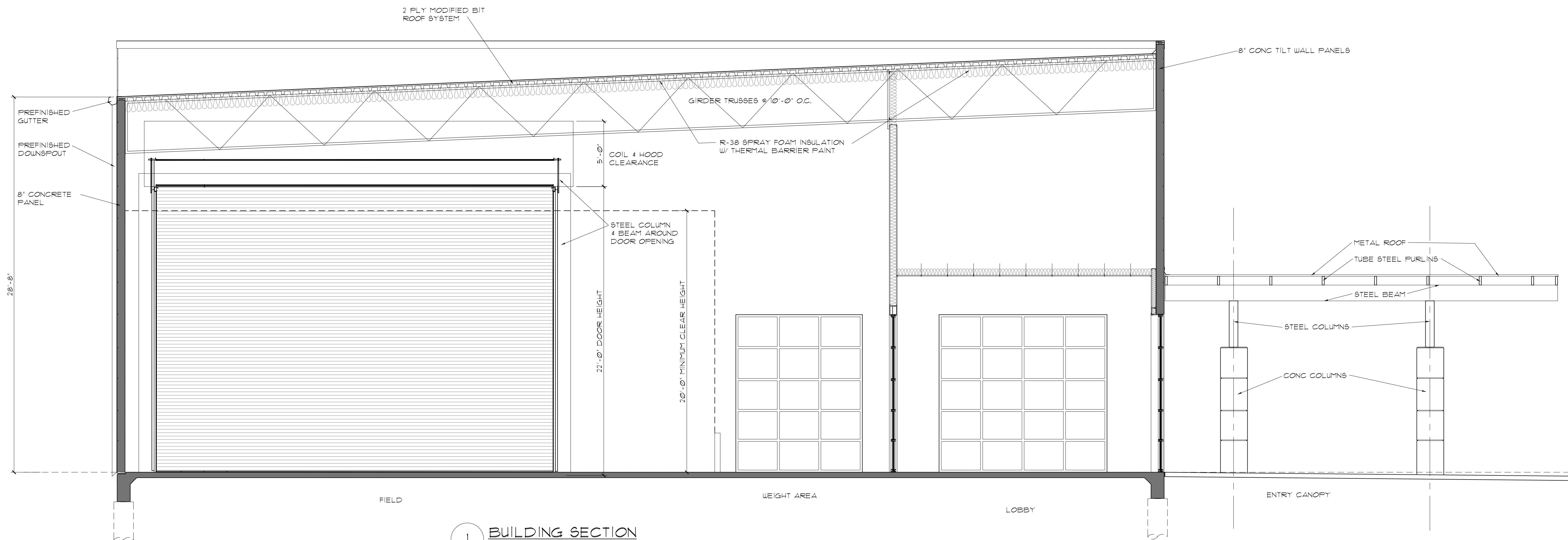


2 NORTH ELEVATION
 SCALE: 1/8"=1'-0"

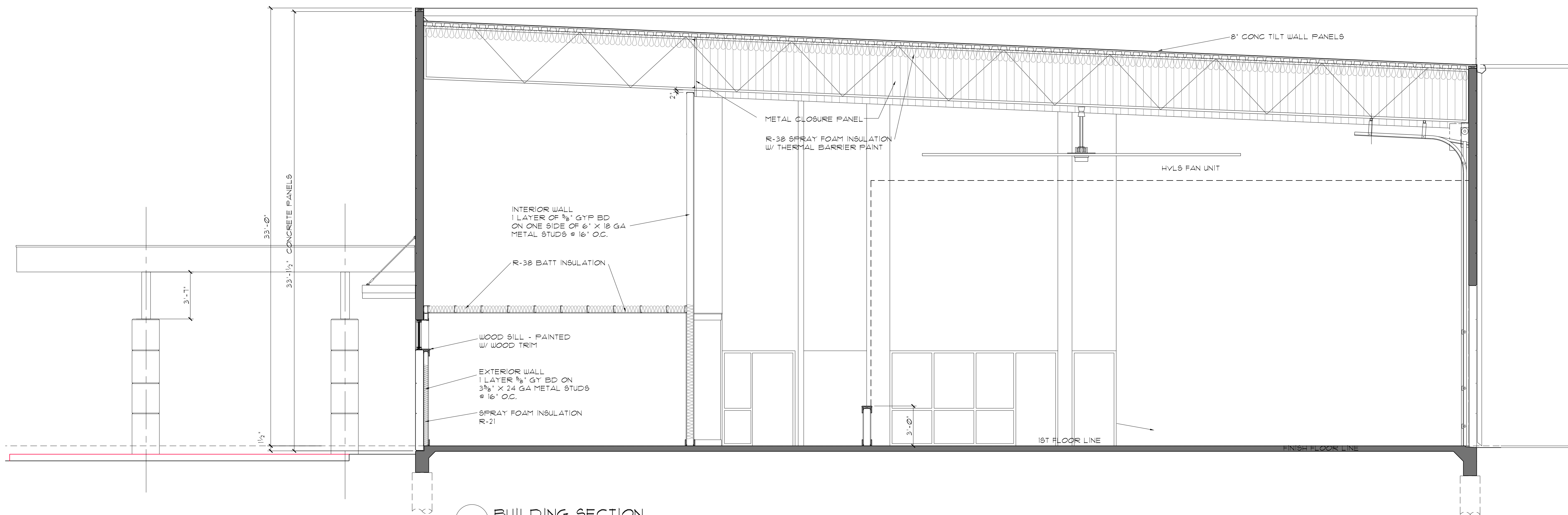


3 WEST ELEVATION
 SCALE: 1/8"=1'-0"

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



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



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



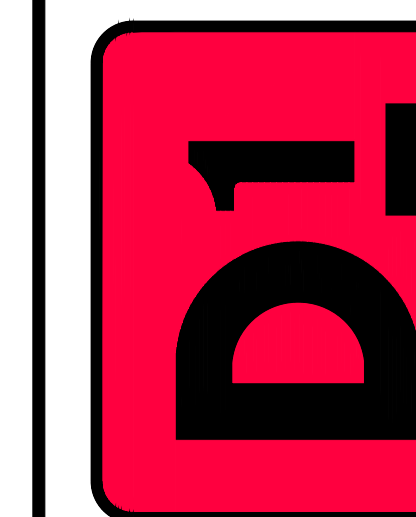
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D1 FITNESS CENTER
THE GROVES OF ALEDO

ALEDO, TEXAS



BUILDING SECTIONS

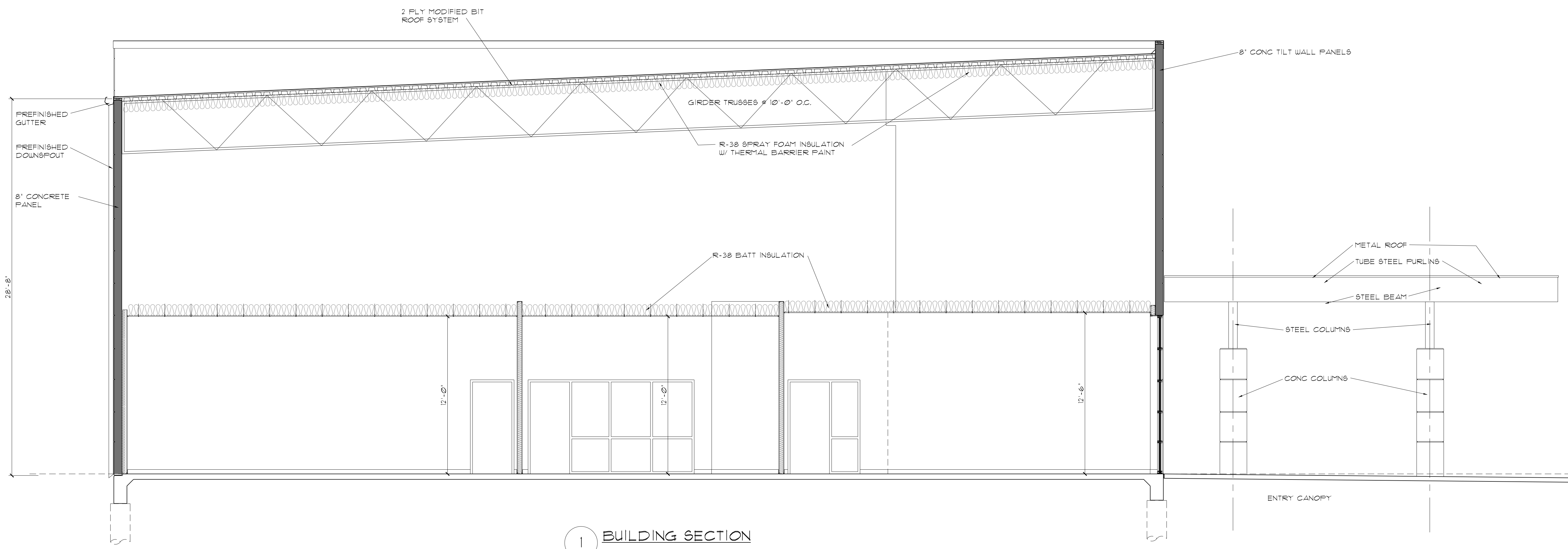
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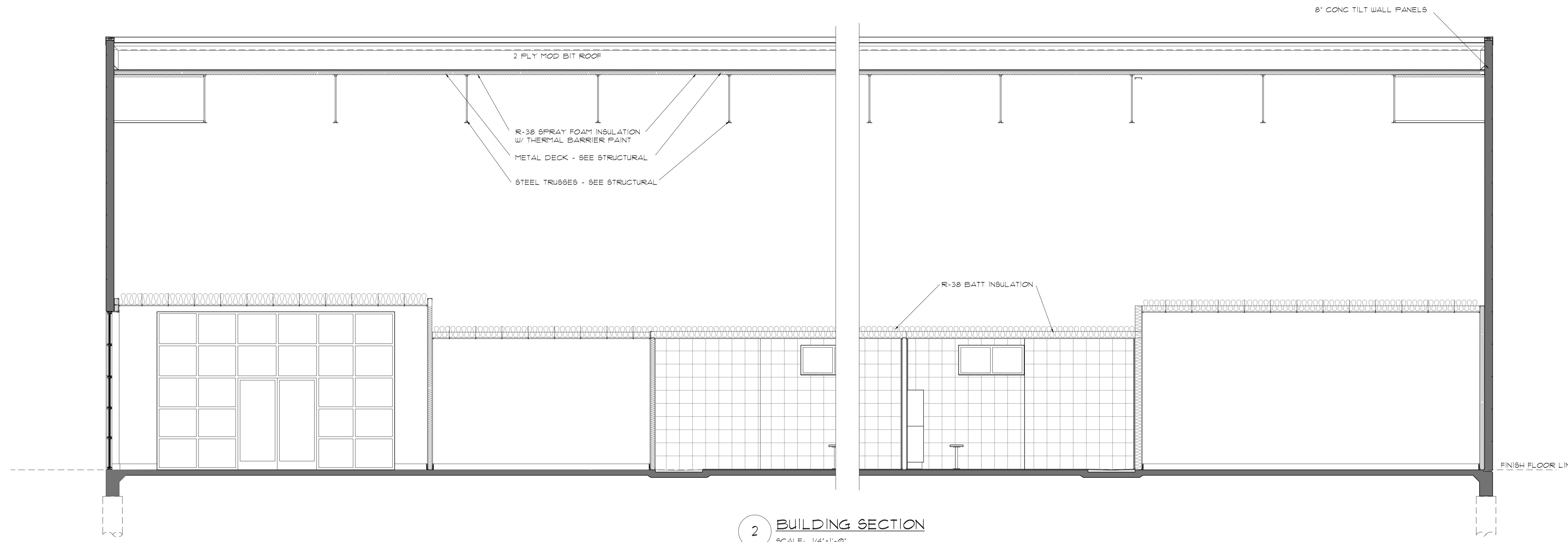
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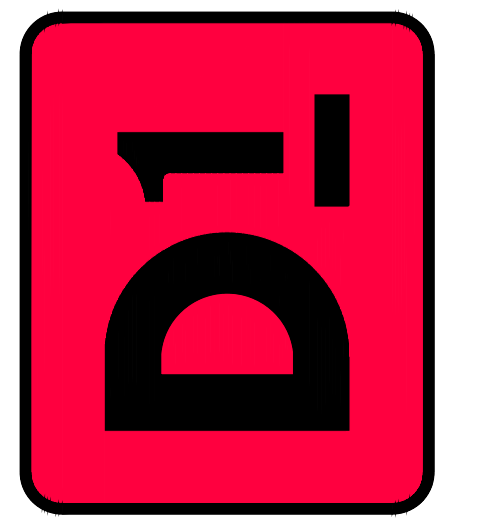
1 BUILDING SECTION
SCALE: 1/4"=1'-0"



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

D1 FITNESS CENTER
 THE GROVES OF ALEDO

ALEDO, TEXAS



BUILDING SECTIONS

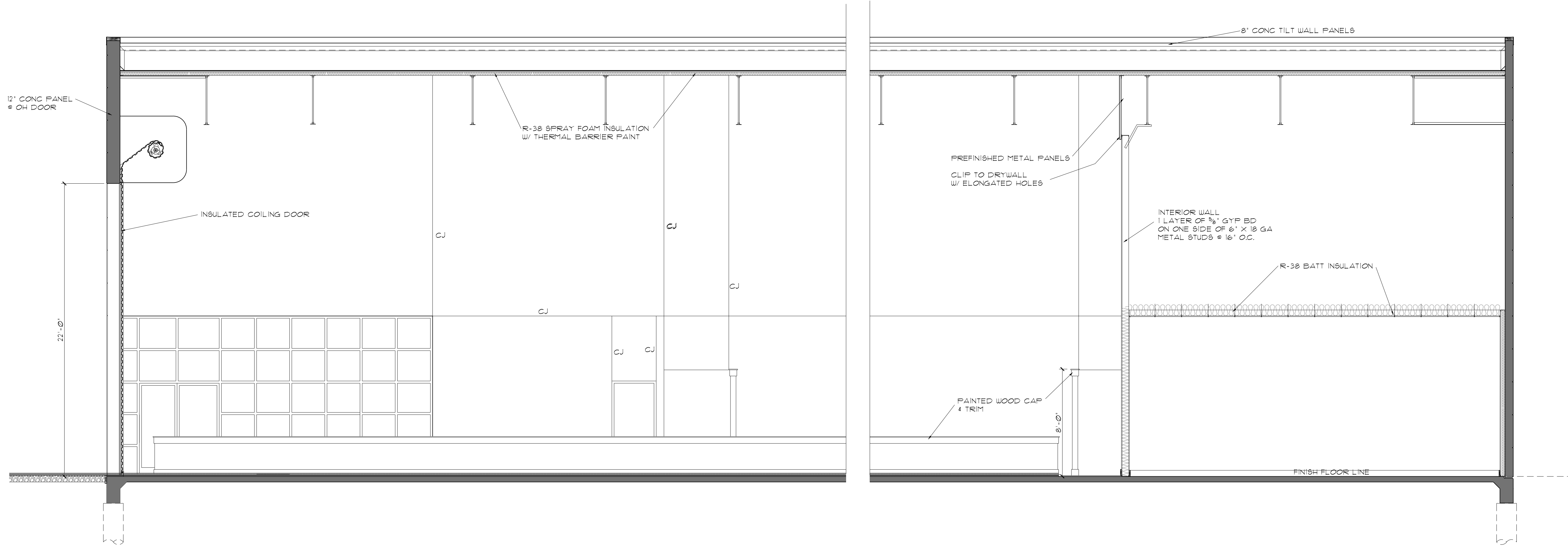
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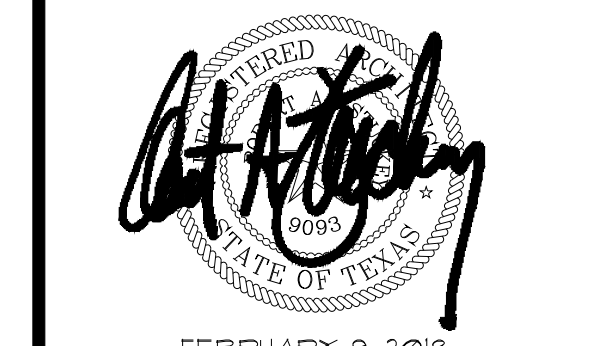
SHEET
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1 BUILDING SECTION
SCALE: 1/4"=1'-0"



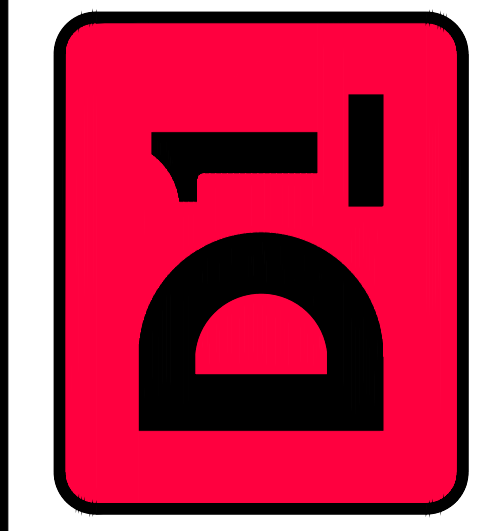
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DOOR SCHEDULE

ALEDO GROVES - D1 FITNESS FACILITY

FLR	NUM	ELEVATIONS		SIZE	TYPE	FRAME			REMARKS	DOOR NUM
		ELEV.	SHEET			MAT'L	VP	FR		
1	1	3	A4.1	3'-0" X 7'-0" X 1-3/4"	PAIR STOREFRONT	GLASS	ALUM		NOTE 1	1
1	2	4	A4.1	3'-0" X 7'-0" X 1-3/4"	PAIR STOREFRONT	GLASS	ALUM		NOTE 1	2
1	3	5	A4.1	3'-0" X 7'-0" X 1-3/4"	SCWD	HM			NOTE 1	3
1	4	5	A4.1	3'-0" X 7'-0" X 1-3/4"	SCWD	HM			NOTE 1	4
1	5	7	A4.1	3'-0" X 7'-0" X 1-3/4"	SCWD	HM			NOTE 1	5
1	6	7	A4.1	3'-0" X 7'-0" X 1-3/4"	SCWD	HM			NOTE 1	6
1	7	7	A4.1	3'-0" X 7'-0" X 1-3/4"	SCWD	HM			NOTE 1	7
1	8	7	A4.1	3'-0" X 7'-0" X 1-3/4"	SCWD	HM			NOTE 1	8
1	9	7	A4.1	3'-0" X 7'-0" X 1-3/4"	SCWD	HM			NOTE 1	9
1	10	6	A4.1	3'-0" X 7'-0" X 1-3/4"	SCWD	HM			NOTE 1	10
1	11	7	A4.1	3'-0" X 7'-0" X 1-3/4"	SCWD	HM			NOTE 1	11
1	12	8	A4.1	3'-0" X 7'-0" X 1-3/4"	HM	HM			NOTE 1	12
1	13	8	A4.1	3'-0" X 7'-0" X 1-3/4"	HM	HM			NOTE 1	13
1	14	10	A4.1	12'-0" X 12'-2"	ALUM/GLASS OH SECTIONAL DOOR	GLASS	STL		NOTE 2,3	14
1	15	11	A4.1	14'-0" X 12'-2"	ALUM/GLASS OH SECTIONAL DOOR	GLASS	STL		NOTE 2,3	15
1	16	11	A4.1	14'-0" X 12'-2"	ALUM/GLASS OH SECTIONAL DOOR	GLASS	STL		NOTE 2,3	16
1	17	11	A4.1	14'-0" X 12'-2"	ALUM/GLASS OH SECTIONAL DOOR	GLASS	STL		NOTE 2,3	17
1	18	9	A4.1	30'-0" X 22'-0"	COILING DOOR - INSULATED	STL	STL		NOTE 2,3,4	18

HARDWARE

BY MANUF	PIVOT HINGES	1-1/2 PR BUTT HINGES	3 FRAME SILENCERS	PANIC EXIT DEVICE	LOCKSET	LATCHSET	PRIVACY LOCKSET	PUSH PULL	CLOSER EA LEAF	MARBLE THRESHOLD	ALUMINUM THRESHOLD	WEATHERSTRIP	DOOR BOTTOM SWEEP	DOOR BOTTOM SEAL	NOTES	DOOR NUMBER
YES	YES			YES	YES				YES	YES	YES	YES	YES	YES		1
YES	YES			YES	YES				YES	YES	YES	YES	YES	YES		2
		YES	YES	YES	YES											3
			YES	YES	YES											4
		YES	YES	YES	YES				YES		YES	YES	YES	YES		5
		YES	YES	YES	YES											6
		YES	YES	YES	YES				YES	YES	YES					7
		YES	YES	YES	YES				YES	YES	YES					8
		YES	YES	YES	YES		YES		YES	YES	YES		YES	YES		9
		YES	YES	YES	YES		YES		YES	YES	YES		YES	YES		10
		YES	YES	YES	YES		YES		YES	YES	YES		YES	YES		11
		YES	YES	YES	YES		YES		YES	YES	YES	YES	YES	YES		12
		YES	YES	YES	YES		YES		YES	YES	YES	YES	YES	YES		13
YES											YES	YES	YES	YES		14
YES																15
YES																16
YES																17
YES																18

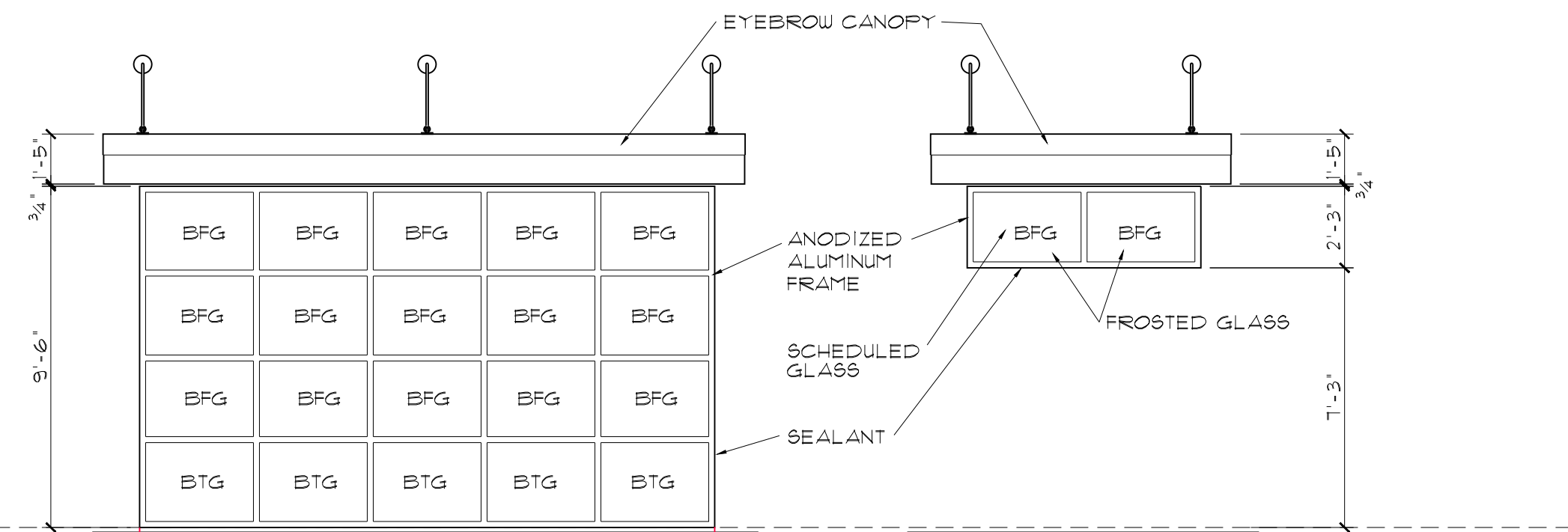
WINDOW SCHEDULE

FLR	NUM	ELEV.	SHEET	SIZE	TYPE	MAT'L	VP	FR	REMARKS
1	A	12	A4.1	10'-9" X 12'-0"	FIXED	GLASS	ALUM		LOW E, TINTED
1	B	13	A4.1	14'-8" X 12'-0"	FIXED	GLASS	ALUM		LOW E, TINTED
1	C	4	A4.1	18'-1" X 12'-0"	FIXED	GLASS	ALUM		LOW E, TINTED
1	D	2	A4.1	5'-0" X 2'-0"	FIXED	GLASS	ALUM		LOW E, TINTED, FROSTED GLASS
1	E	1	A4.1	14'-9" X 12'-0"	FIXED	GLASS	ALUM		LOW E, TINTED
1	F	10	A4.1	5'-6" X 7'-2"	FIXED W/SC DOOR	GLASS	HM		CLEAR
1	G	3	A4.1	12'-8" X 7'-2"	FIXED W/SC DOOR	GLASS	HM		CLEAR
1	H	4	A4.1	23'-7" X 12'-0"		GLASS	ALUM		CLEAR

GLASS SCHEDULE

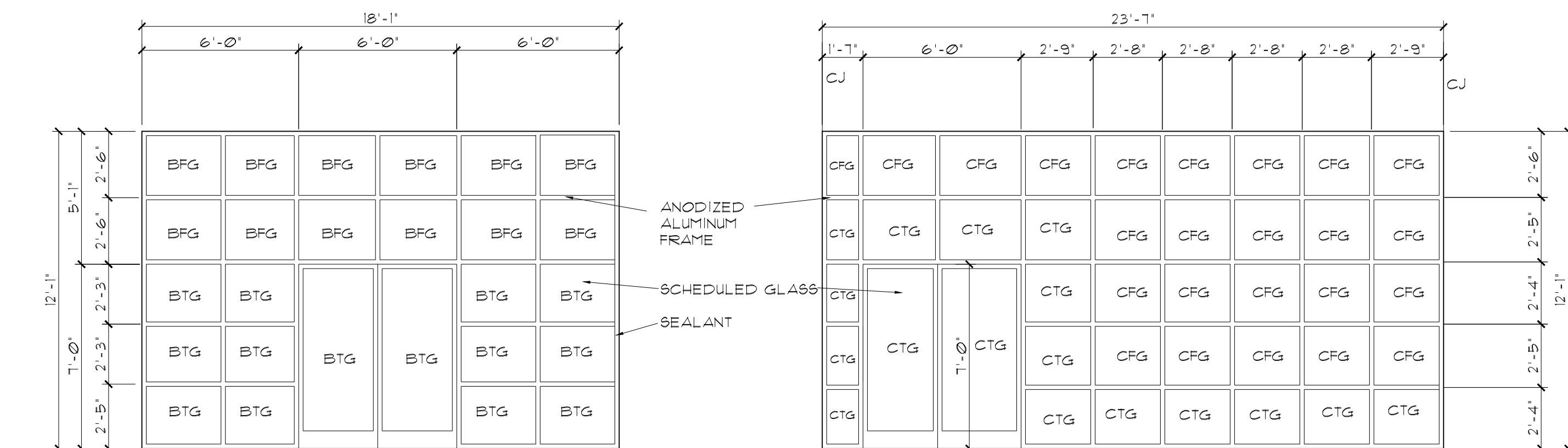
BFG	1" INSULATED BRONZE FLOAT GLASS - LOW "E"
BTG	1" INSULATED BRONZE TEMPERED GLASS - LOW "E"
CTG	1/2" CLEAR TEMPERED GLASS
CFG	1/2" CLEAR FLOAT GLASS

- 1 ALL HARDWARE SHALL BE TAS (ADA) COMPLIANT
- 2 MOTOR OPERATED
- 3 PROVIDE WEATHER SEALS
- 4 INSULATED COILING DOOR



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

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



3 DOOR 1 - WINDOW C
SCALE: 1/4" = 1'-0"

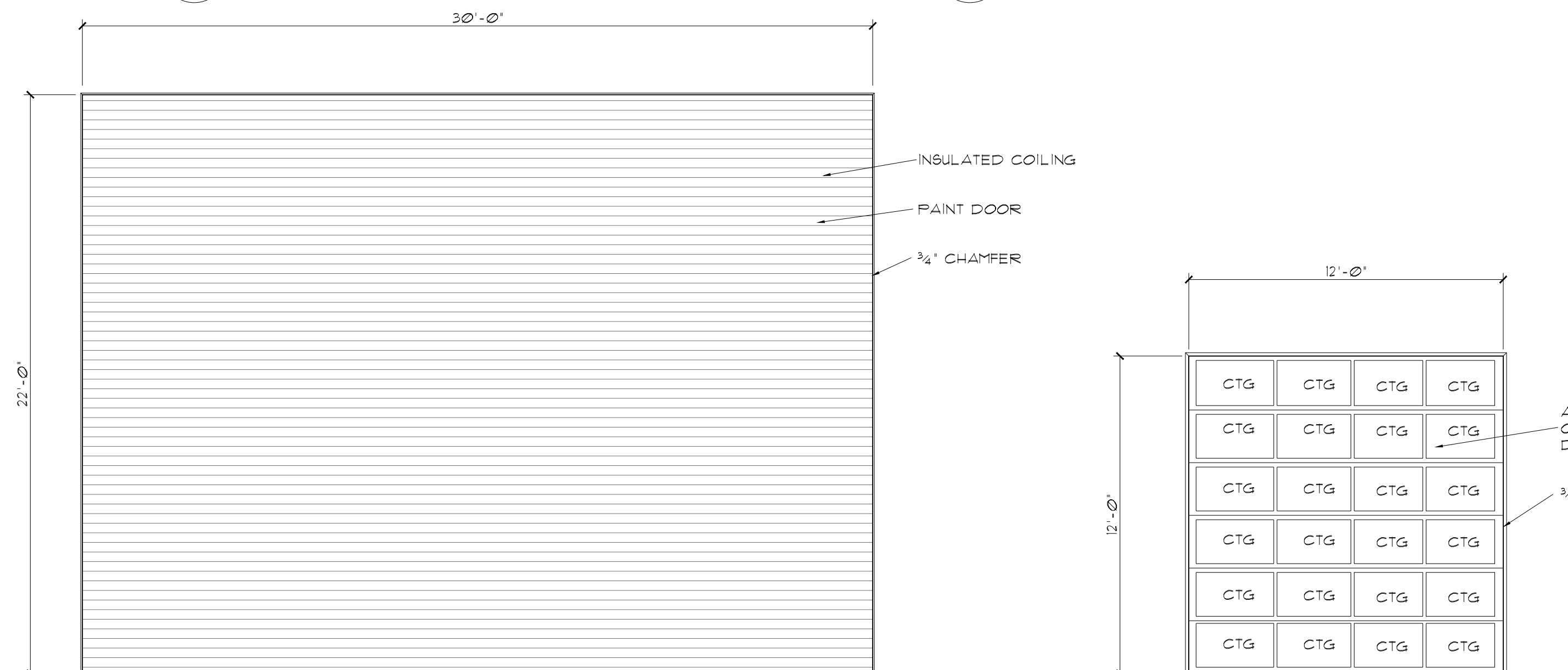
4 DOOR 2 - WINDOW G
SCALE: 1/4" = 1'-0"

5 DOOR 3 & 4
SCALE: 1/4" = 1'-0"

6 DOOR 10
SCALE: 1/4" = 1'-0"

7 DOOR 5,6,7,8,9,11
SCALE: 1/4" = 1'-0"

8 DOOR 12 & 13
SCALE: 1/4" = 1'-0"



9 DOOR 18
SCALE: 1/4" = 1'-0"

10 DOOR 14
SCALE: 1/4" = 1'-0"

11 DOOR 15,16,17
SCALE: 1/4" = 1'-0"

12 WINDOW A
SCALE: 1/4" = 1'-0"

13 WINDOW B
SCALE: 1/4" = 1'-0"



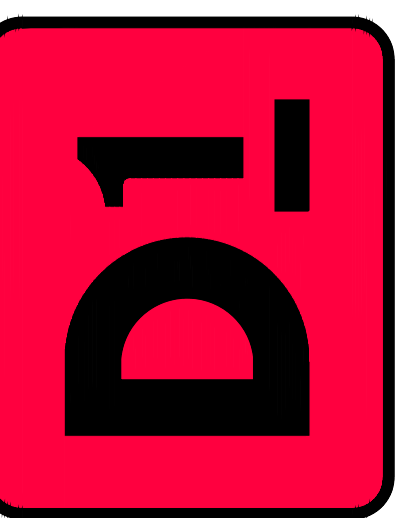
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CODE ANALYSIS

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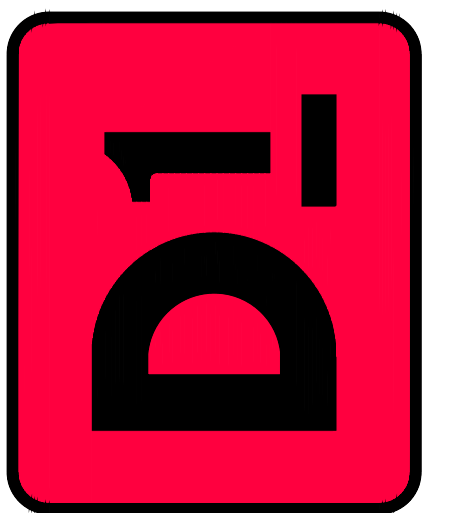
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REFLECTED CEILING PLAN

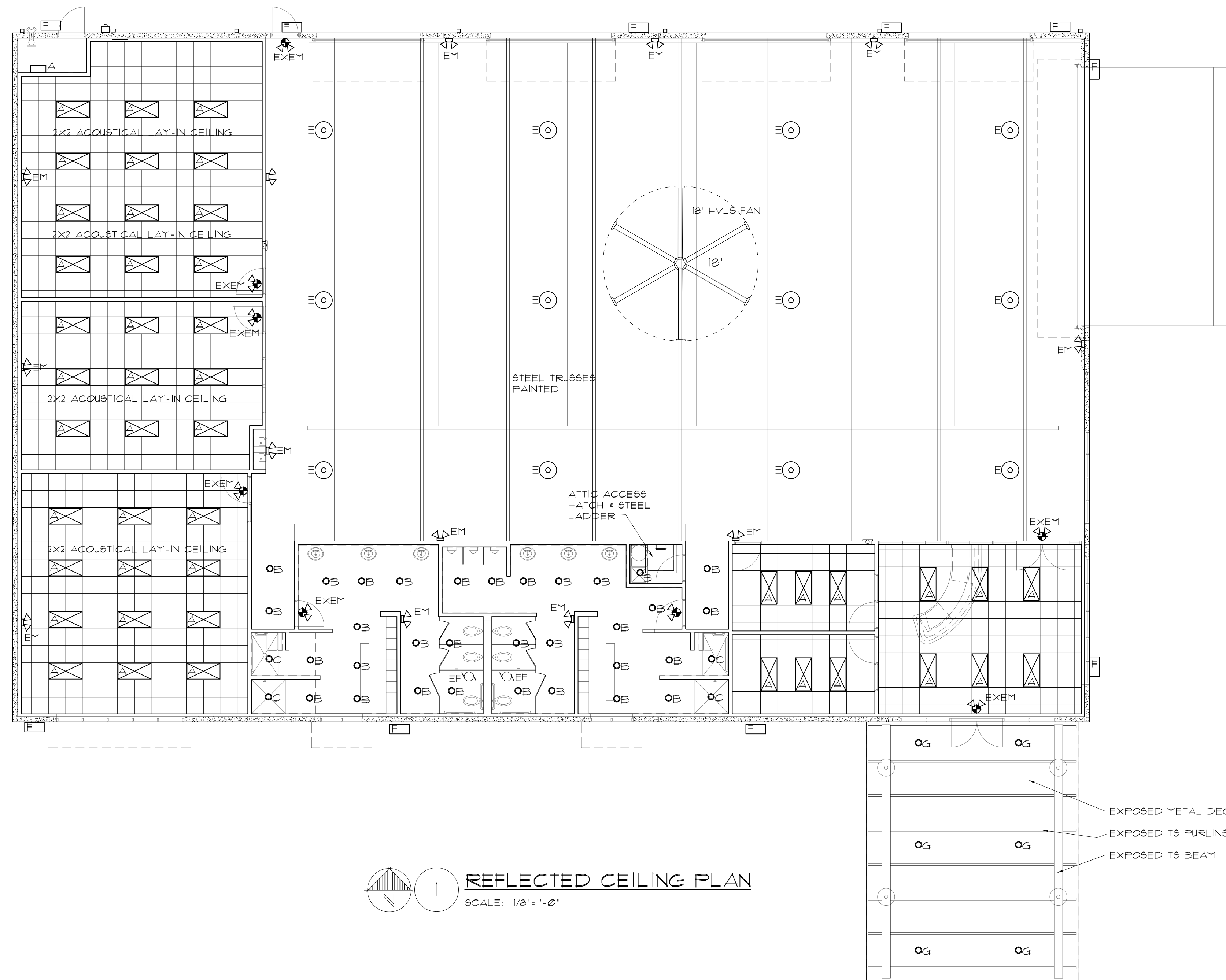
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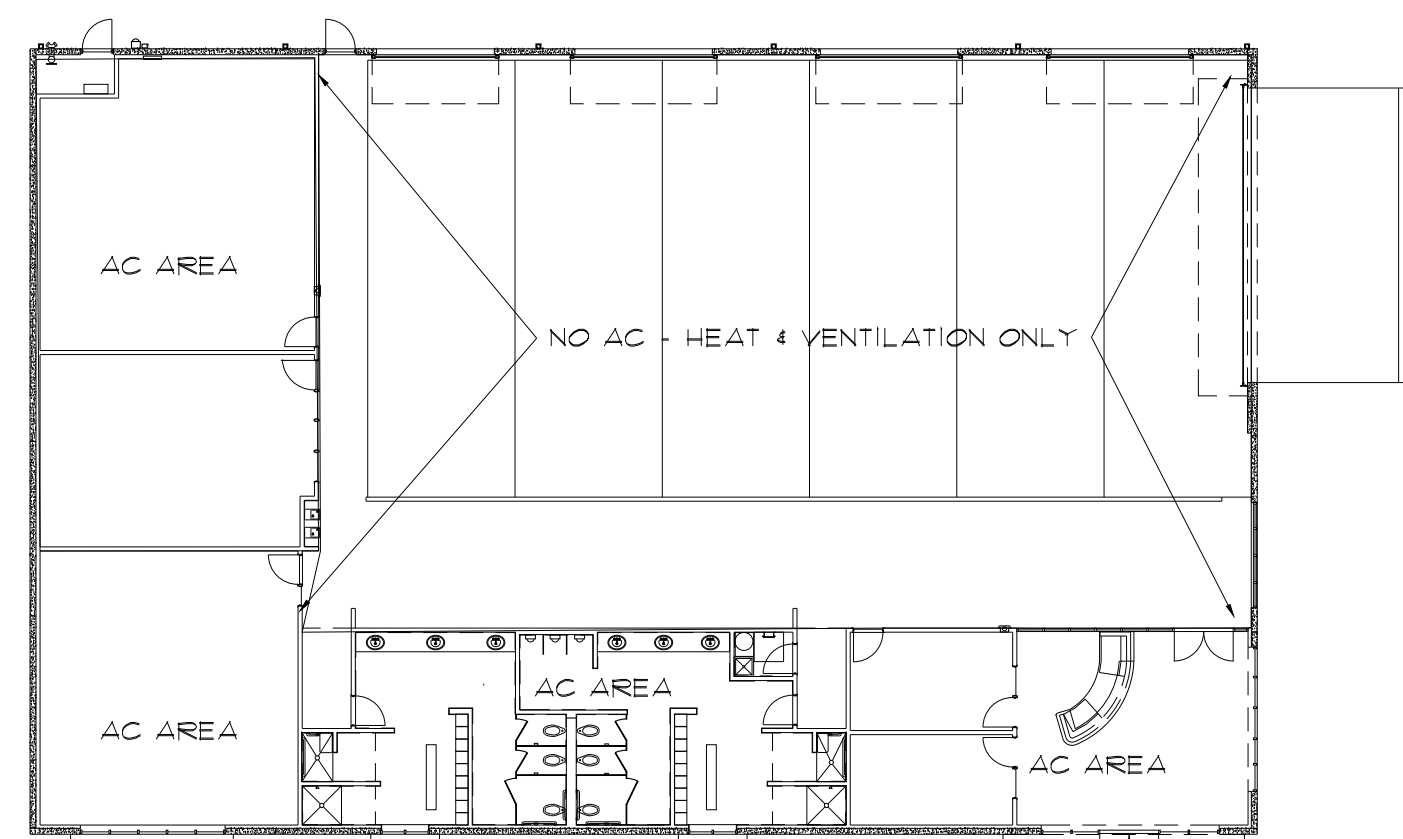
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1 REFLECTED CEILING PLAN
 SCALE: 1/8"=1'-0"



2 1ST FLOOR HVAC AREAS
 SCALE: NTS

FIXTURE SCHEDULE		
A	2X4 ACOUSTICAL LAY-IN	LED LAMPS
B	RECESSED DOWNLIGHT	LED LAMP
C	RECESSED DOWNLIGHT W/ LENS	LED LAMP
D	SURFACE MOUNT WRAP LENS	LED LAMPS
E	HIGH BAY LIGHT FIXTURE	LED LAMPS
F	EXTERIOR WALL PACK	LED LAMPS
G	EXTERIOR DOWNLIGHTS	LED LAMP
H	WALL MOUNTED LED	LED LAMPS
	EXIT LIGHT W/ EMERGENCY LIGHTS	LED LAMPS
	EMERGENCY LIGHTS	LED LAMPS
	EXHAUST FAN	
	2X4 LAY-IN CEILING W/ 6" BATT INSULATION	
	DRYWALL CEILING - TBTP W/ SUSPENSION SYSTEM	



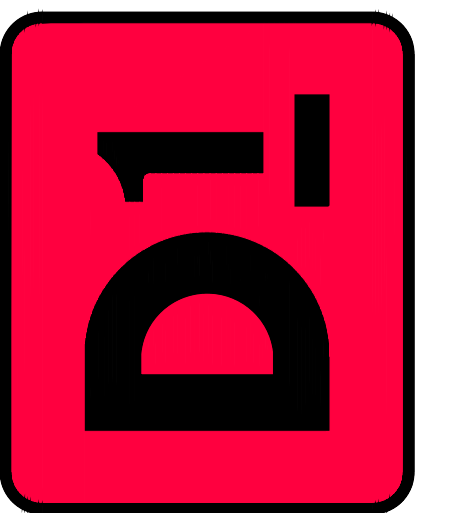
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ROOF PLAN

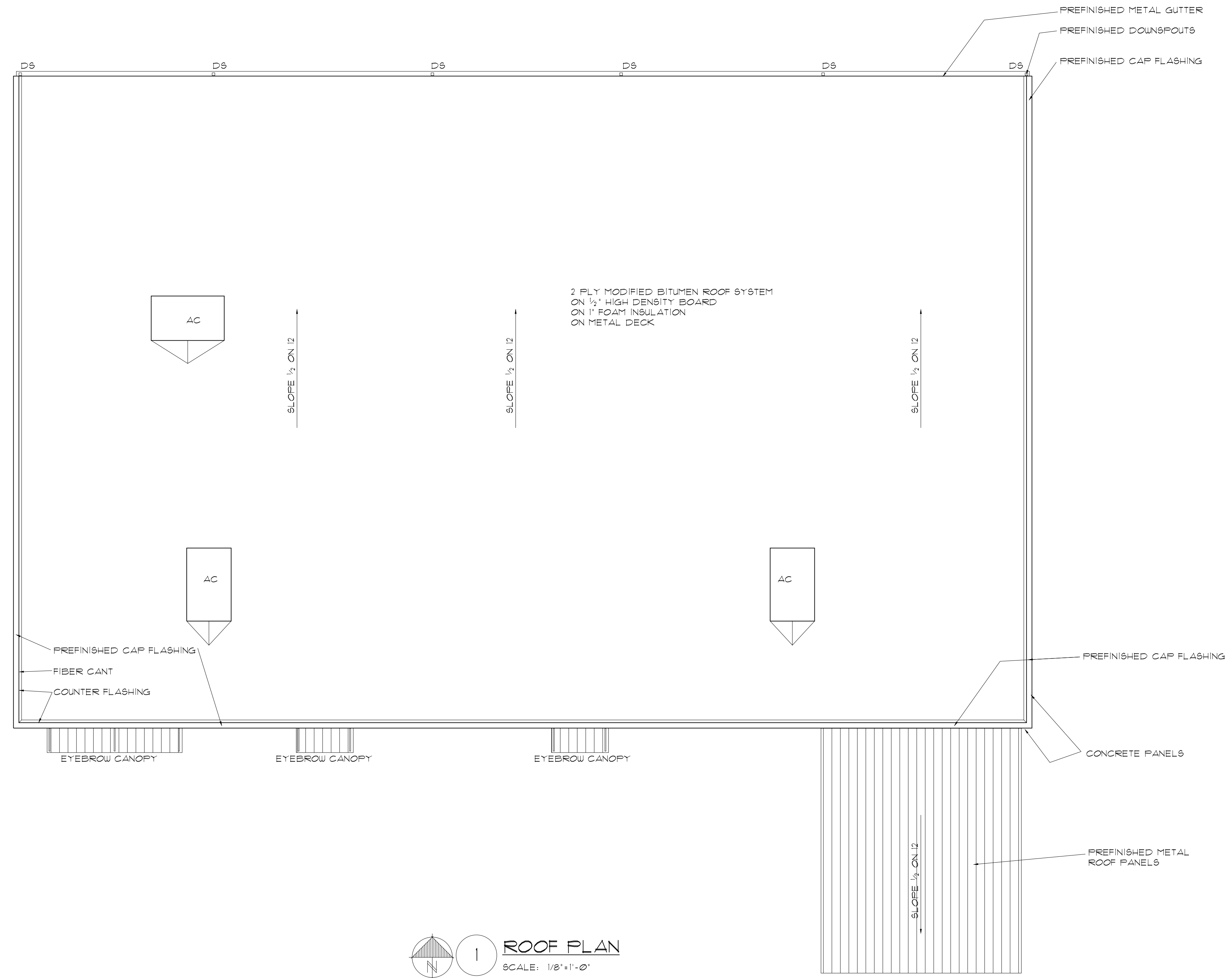
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ROOF PLAN
 SCALE: 1/8"=1'-0"



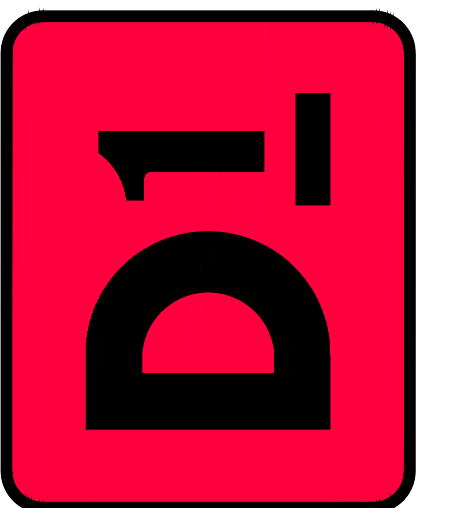
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FIRE PROTECTION

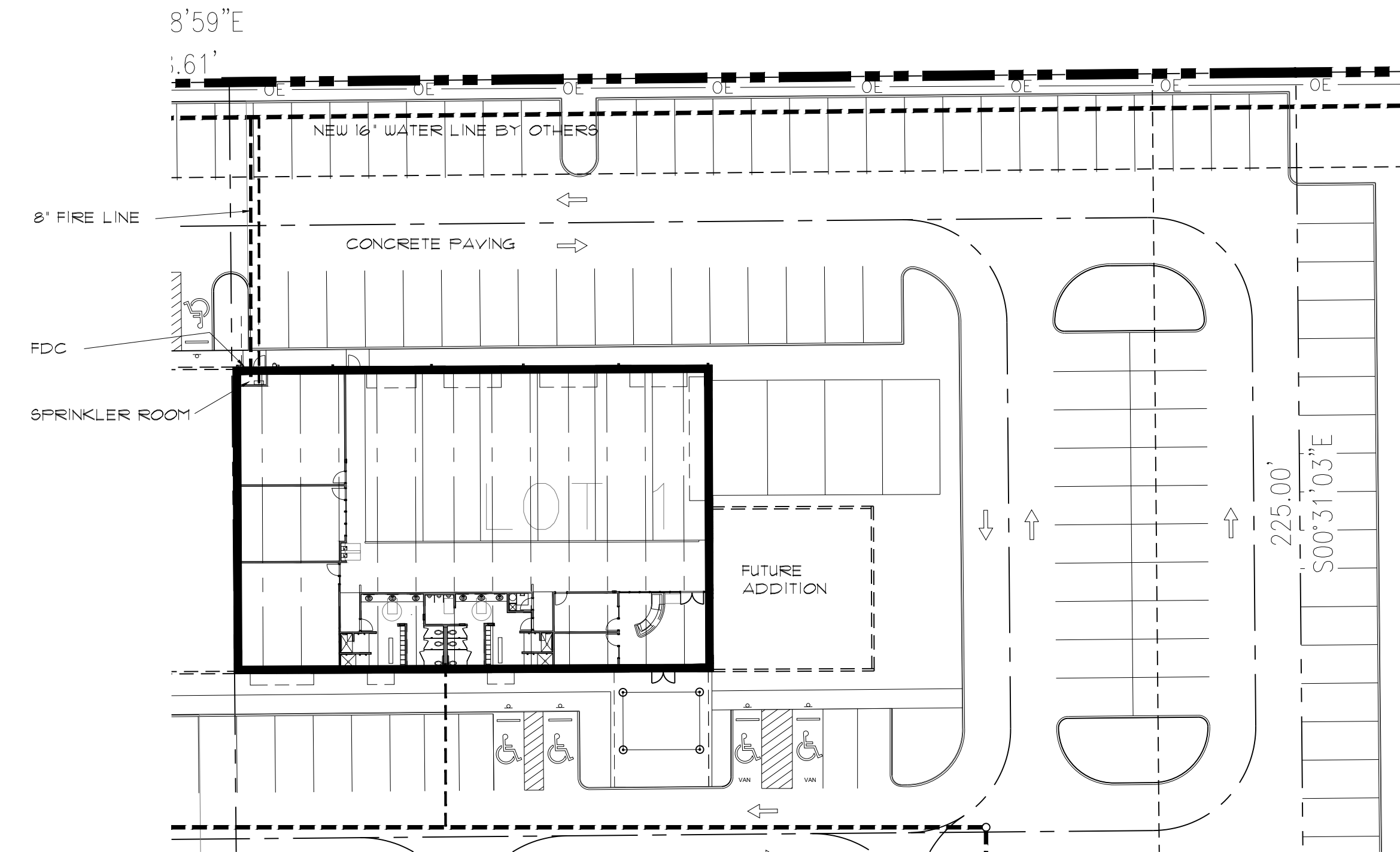
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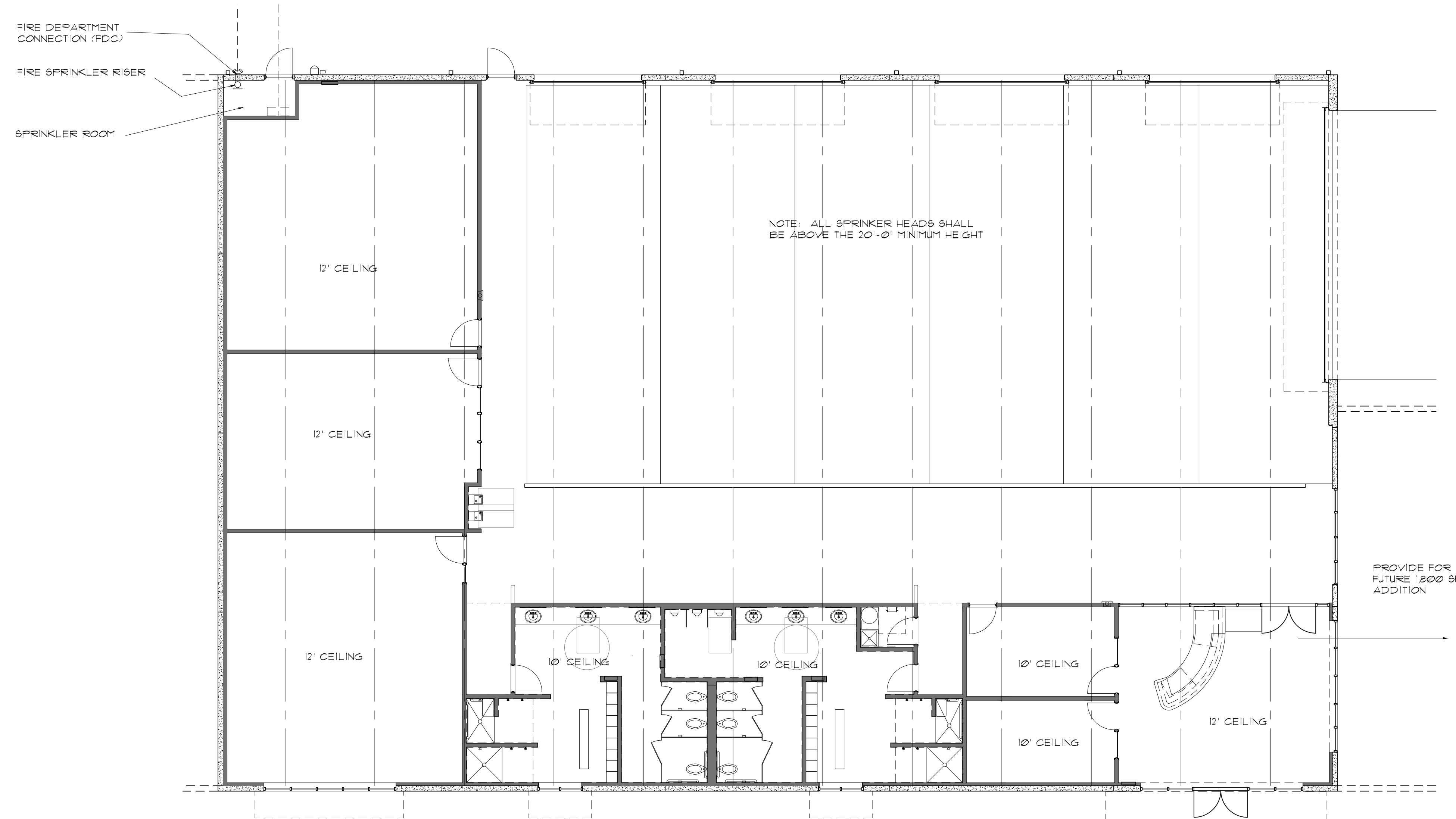
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1 SITE PLAN - FIRE PROTECTION
 SCALE: 1" = 30'-0"



AREA = 10,000 SF
2 FLOOR PLAN - FIRE PROTECTION
 SCALE: 1/16" = 1'-0"

THIS BUILDING SHALL HAVE AN APPROVED FIRE SPRINKLER SYSTEM
 & AN APPROVED FIRE ALARM SYSTEM
 MEET OR EXCEED NFPA 13

GENERAL NOTES

- BUILDING CODES**
 - 2015 INTERNATIONAL BUILDING CODE AS ADOPTED BY THE CITY OF ALEDO, TEXAS
 - BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318-14.
 - AISC-"SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", LATEST APPROVED ADDITION.
- DESIGN CRITERIA**
 - GRAVITY LOADS**
ROOF LIVE LOAD 20 PSF MIN.
ROOF DEAD LOAD 20 PSF
ROOF UPLIFT LOAD 10 PSF
SEE WOOD NOTES FOR ADD'L LOADING REQUIREMENTS
 - WIND LOAD PER IBC 2015 EDITION**
BASIC WIND SPEED V_3s 115 MPH
EXPOSURE C
 $I_w = 1.0$
 - EARTHQUAKE DESIGN PER IBC 2015 EDITION**
SEISMIC USE GROUP $I_e = 1.0$
SEISMIC DESIGN CATEGORY C
SITE CLASS D
D) SEE MECHANICAL PLAN AND ROOF PLAN FOR ADD'L LOADS
- EXISTING CONDITIONS:** EACH BIDDER SHALL VISIT THE JOB SITE AS REQUIRED TO DETERMINE AND/OR VERIFY EXISTING CONDITIONS. ANY EXCEPTIONS TO EXISTING CONDITIONS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- SEE ARCHITECTURAL DRAWINGS FOR FLOOR ELEVATIONS BEFORE STARTING WORK. THE ARCHITECT/ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL COMPARE STRUCTURAL DRAWINGS TO ARCHITECTURAL, CIVIL, AND MEP, AND ANY DISCREPANCIES SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE ALL SPECIAL INSPECTIONS REQUIRED BY CITY AND THE INTERNATIONAL BUILDING CODE SECTION 1704.1.2 ARE PERFORMED. ALL SPECIAL INSPECTIONS SHALL BE CONDUCTED BY A LICENSED SPECIAL INSPECTOR. THE CONTRACTOR SHALL RETAIN AND PROVIDE ALL SPECIAL INSPECTION REPORTS DURING THE ENTIRE CONSTRUCTION PROCESS. THE OWNER/CONTRACTOR SHOULD HIRE A THIRD PARTY SPECIAL INSPECTION FIRM TO COORDINATE AND PERFORM ALL REQUIRED SPECIAL INSPECTIONS AND TO COMPLETE AND SEAL THE FINAL INSPECTION REPORT FORM.

FOUNDATION NOTES

- THE GEOTECHNICAL INVESTIGATION FOR THIS PROJECT WAS CONDUCTED BY TERRACON CONSULTANTS, INC. OF ALEDO, TX., REPORT NO. 95175113, DATED DECEMBER 22, 2017. THE CONTRACTOR SHALL REVIEW AND BE FAMILIAR WITH THE EXISTING SOIL CONDITIONS AS REPRESENTED BY THE SUBSURFACE EXPLORATION LOGS.
- EARTHWORK:** ALL DEBRIS, VEGETATION, AND TOPSOIL CONTAINING ORGANIC MATERIAL SHALL BE CLEARED AND REMOVED FROM THE BUILDING SITE FOR A MINIMUM OF FIVE (5) FEET BEYOND THE BUILDING FOOTPRINT. THE EXPOSED SURFACE AFTER ANY EXCAVATION DUE TO CUT AND FILL OPERATIONS SHALL BE PROOF-ROLLED TO DETERMINE ANY SOFT SPOTS. ANY SOFT SPOTS SHALL BE REMOVED AND RECOMPACTED. PLACE PREPARED FILL PER GEOTECHNICAL RECOMMENDATIONS. THE SLAB SHALL BE PLACED UPON A 10 MIL POLYETHYLENE VAPOR BARRIER. IN THE EVENT THAT THESE NOTES CONFLICT WITH THE RECOMMENDATIONS LOCATED IN THE SOILS REPORT, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY, PRIOR TO STARTING THE EARTHWORK.
- SELECT FILL:** SELECT FILL SHALL BE USED TO OBTAIN FINISHED SUBGRADE AND TO CAP THE SUBGRADE. SELECT FILL SHALL BE PLACED AS SOON AS POSSIBLE AFTER COMPLETION OF COMPACTION OF THE SUBGRADE TO LIMIT MOISTURE LOSS OF THE SOIL. SELECT FILL SHALL NOT EXTEND BEYOND THE LIMITS OF THE STRUCTURE. SELECT FILL MATERIALS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER AND SHALL CONSIST OF A UNIFORMLY BLENDED CLAYEY SAND HAVING A PLASTICITY INDEX (PI) BETWEEN 4 AND 15 AND A LIQUID LIMIT OF 35. SELECT FILL SHALL BE FREE OF ORGANIC MATTER, ROCKS, DEBRIS, AND DELETERIOUS MATERIALS.
- COMPACTION OF SELECT FILL:** SELECT FILL REQUIRED BENEATH THE GRADE SLAB SHALL BE PLACED IN MAXIMUM 8 INCH LOOSE LIFTS AND COMPACTED TO A MINIMUM OF 95 PERCENT OF MAXIMUM DRY DENSITY AT A MOISTURE CONTENT BETWEEN +1 AND +5 PERCENT OF OPTIMUM AS DETERMINED BY THE STANDARD PROCTOR METHOD, ASTM SPECIFICATION D698.
- POSITIVE SURFACE DRAINAGE AWAY FROM THE STRUCTURE SHALL BE ESTABLISHED AND MAINTAINED AT ALL TIMES BOTH DURING AND AFTER CONSTRUCTION.** AT NO TIME SHALL WATER BE ALLOWED TO COLLECT NEAR THE BUILDING SITE.
- SITE FILL:** FILL PLACED ALONG THE OUTSIDE OF EXTERIOR GRADE BEAMS SHALL BE ON-SITE CLAY SOILS. THIS SITE FILL IS INTENDED TO REDUCE SURFACE WATER INFILTRATION BENEATH THE STRUCTURE. COMPACTION OF THE SITE FILL SHALL BE PERFORMED AS SPECIFIED IN NOTE 4. THE FINISH GRADES OF THE SITE FILL SHALL BE PER THE SITE PLAN. CARE SHALL BE TAKEN THAT NO LOW SPOTS EXIST IN FILL THAT ALLOW WATER TO COLLECT AGAINST THE BUILDING.
- UTILITY LINE TRENCHES:** UTILITY LINES RUNNING UNDER THE EXTERIOR GRADE BEAMS SHALL HAVE A CLAY PLUG TO PREVENT WATER INFILTRATION BENEATH THE STRUCTURE THROUGH POROUS TRENCH BACKFILL MATERIALS. CLAY PLUGS SHALL BE LOCATED IMMEDIATELY OUTSIDE OF THE EXTERIOR GRADE BEAM. THE CLAY PLUG SHALL CONSIST OF A 5' MINIMUM LENGTH F TRENCH BACKFILLED WITH ON-SITE CLAYS COMPACTED IN ACCORDANCE WITH NOTE 4.
- SIDEWALKS SHALL NOT BE STRUCTURALLY CONNECTED TO THE BUILDING, EXCEPT AT ENTRIES, AND SHALL SLOPE AWAY FROM THE BUILDING SO THAT WATER WILL BE DRAINED AWAY FROM THE STRUCTURE.**
- CONTRACTOR SHALL READ THE SOILS REPORT REFERENCED ABOVE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL SITE AND SUBGRADE PREPARATION RECOMMENDATIONS CONTAINED THEREIN. INFORMATION CONTAINED IN THE "FOUNDATION NOTES" SECTION OF THE STRUCTURAL NOTES REPRESENTS A GENERAL OVERVIEW OF THE SITE WORK TO BE PERFORMED, AND SHALL NOT BE USED AS A SUBSTITUTE FOR THE SOILS REPORT REFERENCED ABOVE.

CONCRETE NOTES

- ALL STRUCTURAL CONCRETE SHALL WEIGH 145 POUNDS PER CUBIC FOOT.
- MINIMUM CONCRETE STRENGTHS AT 28 DAY BREAK:**
GRADE BEAMS AND FOOTINGS.....3000 PSI
SLABS ON GRADE.....3000 PSI
PIERS.....3500 PSI
TILT WALL PANELS.....4500 PSI

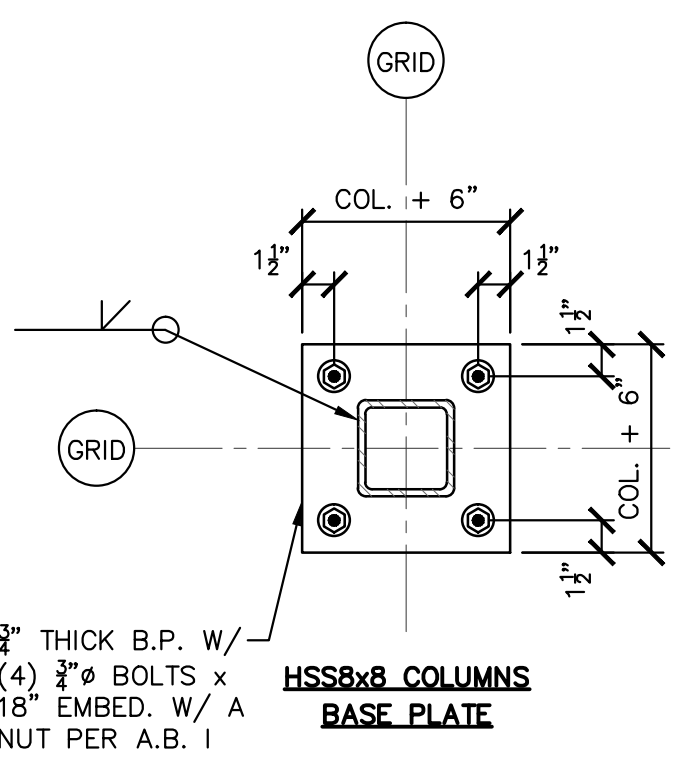
CONCRETE SLUMP SHALL BE:
GRADE BEAMS AND FOOTINGS.....3 IN. MIN./4 IN. MAX.
SLABS ON GRADE.....3 IN. MIN./4 IN. MAX.
PIERS.....4 IN. MIN./6 IN. MAX.
TILT WALL PANELS.....4 IN. MIN./6 IN. MAX.
- CONCRETE MIX DESIGNS AND TEST RESULTS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR EVALUATION AND APPROVAL. MAXIMUM SIZE OF AGGREGATE FOR FOOTINGS AND GRADE BEAMS SHALL BE 1".
- ALL CAST-IN-PLACE CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 301, LATEST EDITION, SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.
- ALL REINFORCING STEEL SHALL BE PLACED IN ACCORDANCE WITH "PLACING REINFORCING BARS", PUBLISHED BY THE CONCRETE REINFORCING STEEL INSTITUTE, LATEST EDITION.
- CONCRETE REINFORCING:** REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMED TO ASTM A615, GRADE 60 BARS.
- SLABS ON GRADE:** SLABS ON GRADE SHALL BE OF HARDROCK CONCRETE OF THE THICKNESS AND WITH THE REINFORCEMENT AS SHOWN ON THE FOUNDATION PLAN. APPLY CURING COMPOUND, THOMPSON'S WATER SEAL OR EQUAL, TO ALL SLABS PER MANUFACTURER'S SPECIFICATIONS. SLAB REINFORCING SHALL BE CENTERED IN SLAB. CARE SHALL BE TAKEN TO MAINTAIN SLAB REINFORCEMENT POSITION DURING POURING OPERATIONS. MAXIMUM POUR AREA = 12,000 SQ. FT. LAP 10 MIL PLASTIC SHEETING MINIMUM OF 12 IN. AND SEALED WITH ADHESIVES. PATCH ALL HOLES AND TEARS IN PLASTIC PRIOR TO CASTING SLAB.
- CHAMFERS:** PROVIDE CHAMFERS AS INDICATED ON ARCHITECTURAL DRAWINGS. ALL CHAMFERS SHALL BE 3/4" x 45 DEGREES.
- GRADE BEAMS:** GRADE BEAMS SHALL BE OF HARDROCK CONCRETE OF SIZE AND WITH REINFORCEMENT AS INDICATED ON THE FOUNDATION PLAN. BEAMS SHOULD BE FORMED OR TRENCHED ACCORDING TO THE GEOTECHNICAL REPORT REFERENCED IN THE FOUNDATION NOTES. CARE SHALL BE TAKEN TO ACCURATELY TRENCH BEAMS TO WIDTHS AND DEPTHS INDICATED. TRENCHES SHALL BE KEPT CLEAN, AND CARE SHALL BE TAKEN TO PREVENT SLOUGHING OF TRENCH SIDES. DETAIL REINFORCING AND PROVIDE CORNER BARS AT GRADE BEAM INTERSECTIONS TO MATCH HORIZONTAL REINFORCING.
- MINIMUM COVERAGE ON REINFORCING STEEL:**
CONCRETE CAST AGAINST EARTH.....3" CLEAR TO STIRRUP
CONCRETE CAST AGAINST FORMS.....2" CLEAR TO STIRRUP
GRADE BEAMS.....2" TOP, 3" BOTTOM,
SLABS ON GRADE.....2" ON FORMED SIDES
SLABS ON GRADE.....CENTER REINFORCING IN SLAB
- ALL OPENINGS FOR MECHANICAL EQUIPMENT, TRENCHES, SLOPES TO DRAINS, ETC. SHALL BE VERIFIED BY THE GENERAL CONTRACTOR AND INDICATED ON SHOP DRAWINGS. COORDINATE LOCATIONS AND SIZES OF ALL OPENINGS WITH APPLICABLE TRADES.
- ALL EXTERIOR EXPOSED CONCRETE SHALL HAVE AIR-ENTRAINMENT.
- PROVIDE CONTROL JOINTS AT A SPACING OF 2 TO 3 TIMES THE THICKNESS OF SLAB PER ACI 224.3R (EX. 4" SLAB SHALL HAVE CONTROL JOINTS SPACED AT 8' TO 12' ON CENTER. JOINTS SHOULD BE CUT WITHIN 12 HOURS OF THE POUR. NO SAW CUTS SHALL BE CUT IN POST TENSION OR STRUCTURALLY SUSPENDED SLABS. COORDINATE JOINT LOCATIONS WITH ARCHITECT.

TILT WALL NOTES

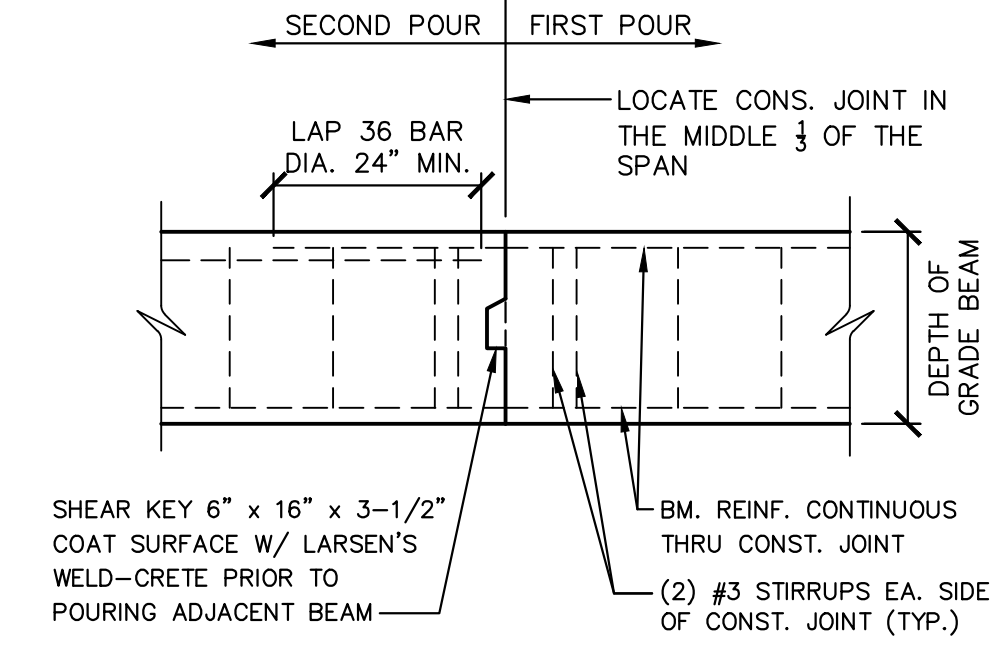
- ALL TILT WALL PANELS SHALL HAVE A MINIMUM THICKNESS AS SHOWN ON THE STRUCTURAL DRAWINGS.
- EXTERIOR FINISH OF TILT WALL PANELS SHALL BE AS SHOWN ON THE ARCHITECTURAL DRAWINGS.
- COMPLETE CALCULATIONS AND SHOP DRAWINGS SEALED AND SIGNED BY AN ENGINEER REGISTERED IN TEXAS SHOWING ALL STRIPPING INSERTS, DETAILS OF REINFORCEMENT, AND CONNECTION DETAILS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL.
- CONCRETE COMPRESSIVE STRENGTH AT TIME OF ERECTION OF PANELS SHALL BE MINIMUM 4,500 PSI. AN APPROVED TESTING AGENCY SHALL VERIFY THE CONCRETE COMPRESSIVE STRENGTH.
- UNLESS NOTED OTHERWISE, THE CENTER OF THE VERTICAL REINFORCEMENT SHALL BE LOCATED NEAR EACH FACE OF THE CONCRETE PANELS, AND HORIZONTAL REINFORCEMENT SHALL BE LOCATED TOWARDS THE INSIDE OF THE VERTICAL REINFORCEMENT. WHERE A NUMBER OF BARS ARE SHOWN, THEY SHALL BE EQUALLY SPACED BETWEEN ADJACENT BARS.
- PROPER CHAIRS OR BOLSTERS SHALL BE USED TO SUPPORT REINFORCEMENT AT THE PROPER LOCATION.
- ONLY EXPERIENCED AND QUALIFIED PERSONNEL SHALL BE USED IN THE CONSTRUCTION AND ERECTION OF THE TILT WALL PANELS.
- ALL PANELS SHALL REMAIN BRACED UNTIL SHEAR CONNECTORS, JOISTS, AND ROOF DECK ARE INSTALLED.
- PANELS SHALL BE ERECTED FROM OUTSIDE THE BUILDING FOOTPRINT.

STEEL NOTES

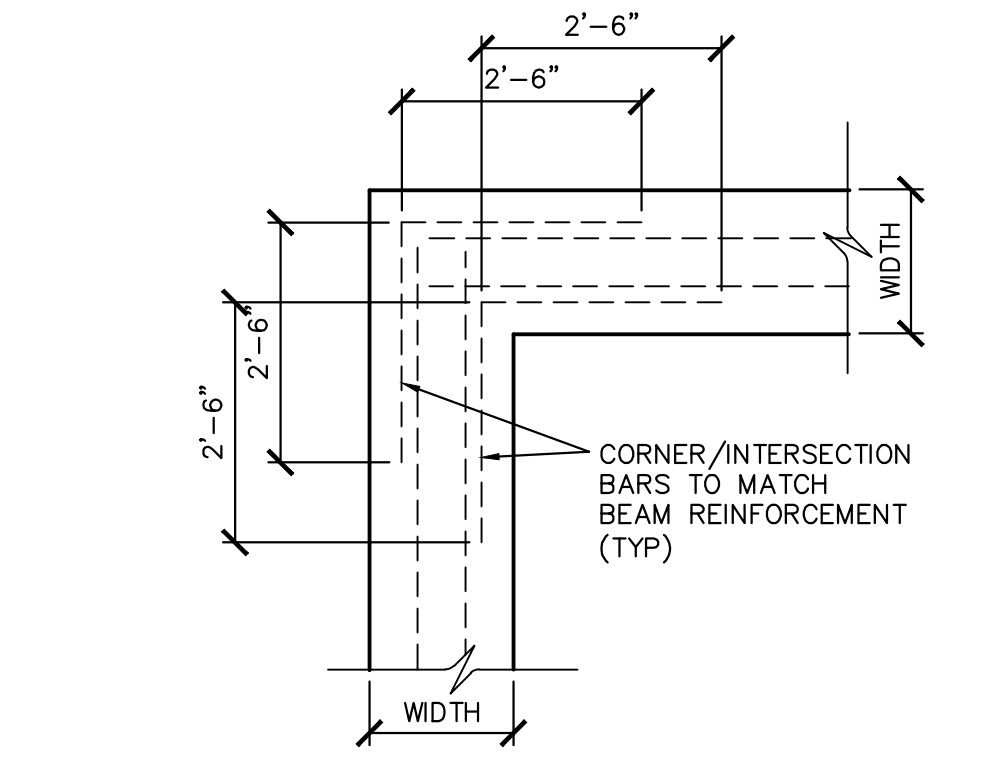
- STRUCTURAL STEEL: ALL WIDE FLANGE SECTIONS SHALL BE ASTM A572 OR A992 GRADE 50. ALL ANGLES, CHANNELS, AND PLATES SHALL BE ASTM A36. ALL STRUCTURAL STEEL PIPE SHALL BE ASTM A53 GRADE B. ALL TUBE STEEL SECTIONS SHALL BE ASTM A500 GRADE B. STRUCTURAL STEEL SECTIONS SHALL BE DESIGNED, DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE AISC "MANUAL OF STEEL CONSTRUCTION", NINTH EDITION. ALL STRUCTURAL STEEL SHALL BE PAINTED WITH A SHOP PRIME COAT AND FIELD RETOUCHEW WHERE THE SHOP COAT HAS BEEN DAMAGED DUE TO PLACING, HANDLING, AND WELDING.
- ALL STEEL BEAMS SHALL BE FABRICATED WITH NATURAL CAMBER UP.
- ALL BOLTED CONNECTIONS FOR STRUCTURAL STEEL SHALL USE 3/4" DIAMETER ASTM A325 HIGH STRENGTH BOLTS EXCEPT FOR JOIST BEARING AND BRIDGING, WHICH SHALL BE 5/8" DIAMETER ASTM A325 HIGH STRENGTH BOLTS. CONNECTIONS SHALL BE BEARING TYPE WITH THREADS NOT ALLOWED IN THE SHEAR PLANE.
- ALL ANCHOR BOLTS SHALL BE 3/4" DIAMETER ASTM A307 UNFINISHED WITH SUITABLE NUTS AND WASHERS, UNLESS NOTED OTHERWISE.
- ALL WELDS SHALL USE E70XX LOW HYDROGEN ELECTRODES AND SHALL BE MADE IN ACCORDANCE WITH AISC AND AWS.
- ROOF DECK SHALL BE PER PLAN BY VULCRAFT OR EQUAL WITH THE MANUFACTURER'S PRIME COAT FINISH. ALL DECK SHALL MEET THE REQUIREMENTS OF THE STEEL DECK INSTITUTE. ALL DECK SHALL BE CONTINUOUS OVER THREE OR MORE SPANS AND SHALL CONFORM TO ASTM A611 GRADE C. IF A THREE SPAN CONDITION IS NOT POSSIBLE BECAUSE OF MECHANICAL OPENINGS OR SOME OTHER REASON, A HEAVIER GAUGE ROOF PANEL SHALL BE DETAILED THAT GIVES PERFORMANCE EQUAL TO THE PANEL GAUGE SPECIFIED OVER A THREE SPAN CONDITION. ALL SKEW CUTTING SHALL BE DONE IN THE FIELD. METAL DECKS SHALL BE FIELD RETOUCHEW WHERE SHOP COAT HAS BEEN DAMAGED DUE TO PLACING, HANDLING, AND WELDING.
- ALL FULL PENETRATION WELDS SHALL BE VISUALLY INSPECTED BY AN APPROVED TESTING LABORATORY. THE ENGINEER OF RECORD SHALL REVIEW THE RESULTS OF THE VISUAL INSPECTION AND MAY, AT HIS OPTION, REQUIRE ULTRASONIC TESTING, ASTM A435, BEFORE CONNECTIONS ARE COVERED.
- 1.5B ROOF DECK SHALL BE ATTACHED TO SUPPORTING STEEL USING APPROVED POWDER ACTUATED OR PNEUMATIC DRIVEN FASTENERS. FASTEN TO ADJOINING DECK SHEETS USING BULDEX #10 TKS SELF-DRILLING SCREWS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND DECK SETTING PLANS. ROOF DECK FASTENER LAYOUT SHALL BE IN A 35/4 PATTERN WITH 3 SIDELAP FASTENERS. END LAPS SHALL BE 2 IN. AND SHALL OCCUR OVER A SUPPORT. 3IN ROOF DECK SHALL BE ATTACHED TO SUPPORTING STEEL USING 3/8" PUDDLE WELDS. WELDING ADJOINING DECK SHEETS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND DECK SETTING PLANS. ROOF DECK FASTENER LAYOUT SHALL BE IN A 24/4 PATTERN WITH 5 SIDELAP FASTENERS. END LAPS SHALL BE 2 IN. AND SHALL OCCUR OVER A SUPPORT.
- OPEN WEB STEEL JOISTS: STEEL JOIST MANUFACTURER SHALL BE A MEMBER OF THE STEEL JOIST INSTITUTE. STEEL JOISTS SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOISTS, K SERIES. BOTTOM CHORDS OF K SERIES JOISTS SHALL BE FABRICATED WITH ANGLES IN LIEU OF RODS. ALL HANGERS TO SUPPORT MECHANICAL EQUIPMENT OR OTHER CONCENTRATED LOADS TO BE SUPPORTED BY BOTTOM CHORD OF STEEL JOISTS SHALL BE LOCATED AT THE PANEL POINTS OF THE JOISTS. JOIST BRIDGING SHALL BE FURNISHED AND INSTALLED TO MEET THE DESIGN AND SPACING REQUIREMENTS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOISTS. USE HORIZONTAL BRIDGING ON SHORT SPAN JOISTS. DEPTH OF JOIST SEATS SHALL BE 5" UNLESS SHOWN OTHERWISE ON THE DRAWINGS. JOIST SEATS SHALL BEAR FLUSH ON SUPPORTS. ROOF JOISTS SHALL BE CAMBERED TO A RADIUS OF 3600 FT. (SJ STANDARD CAMBER). STEEL JOISTS SHALL BE SHOP PAINTED AND FIELD RETOUCHEW WHERE SHOP COAT HAS BEEN DAMAGED DUE TO PLACING, HANDLING, AND WELDING. ALL ROOF JOISTS SHALL BE DESIGNED FOR A NET UPLIFT OF 5 PSF AND FURNISHED WITH A ROW OF UPLIFT BRIDGING AT THE FIRST PANEL POINT. JOIST BRIDGING SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS.
- MECHANICAL EQUIPMENT ON JOISTS: ALL MECHANICAL EQUIPMENT SUPPORTED BY THE JOISTS SHALL BE APPROVED BY THE ENGINEER UNLESS THE EQUIPMENT IS SHOWN ON THE STRUCTURAL DRAWINGS. JOIST SIZES MAY CHANGE AS REQUIRED TO SUPPORT ANY ADDITIONAL MECHANICAL EQUIPMENT.



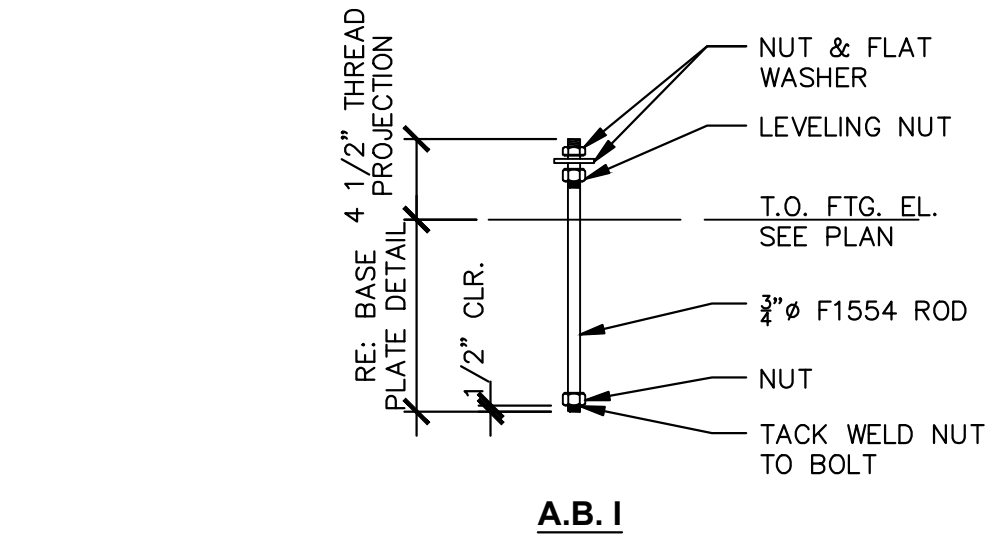
S105 BASE PLATE DETAILS
1" = 1'-0"



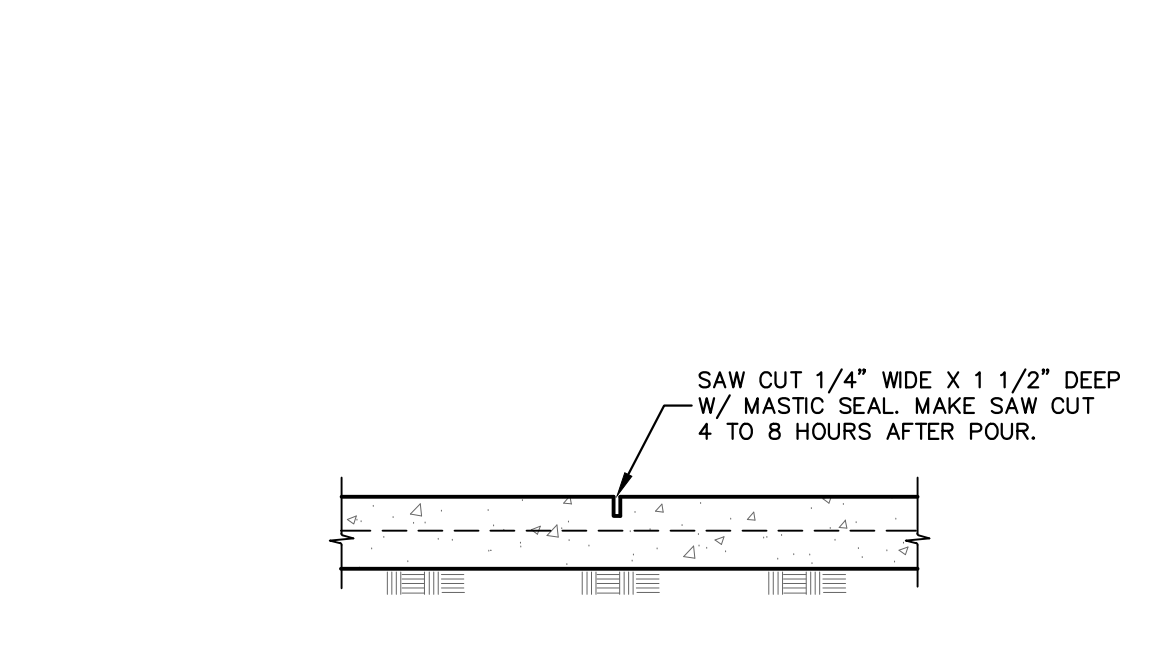
S101 BEAM CONST. JOINT (TYP.)
NOT TO SCALE



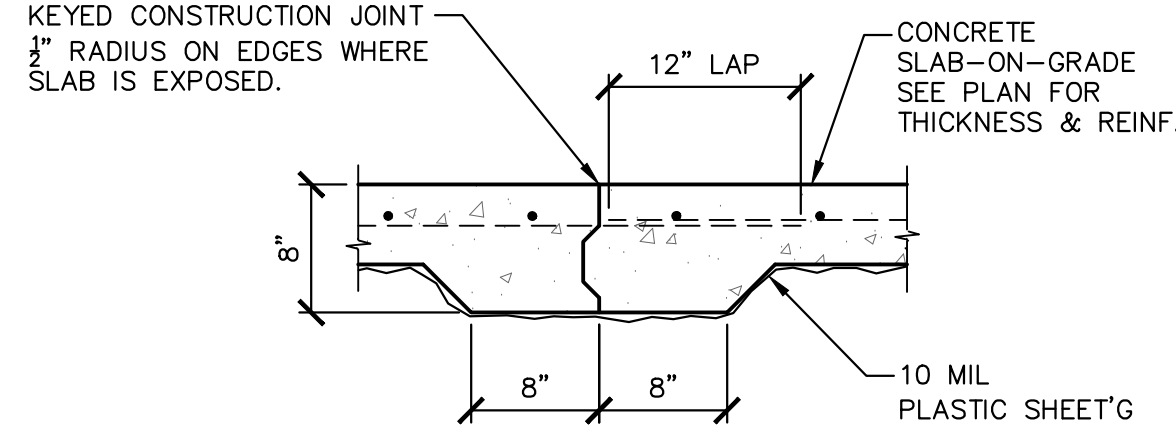
S103 CORNER/INTERSECTION BAR DETAIL (TYP.)
NOT TO SCALE



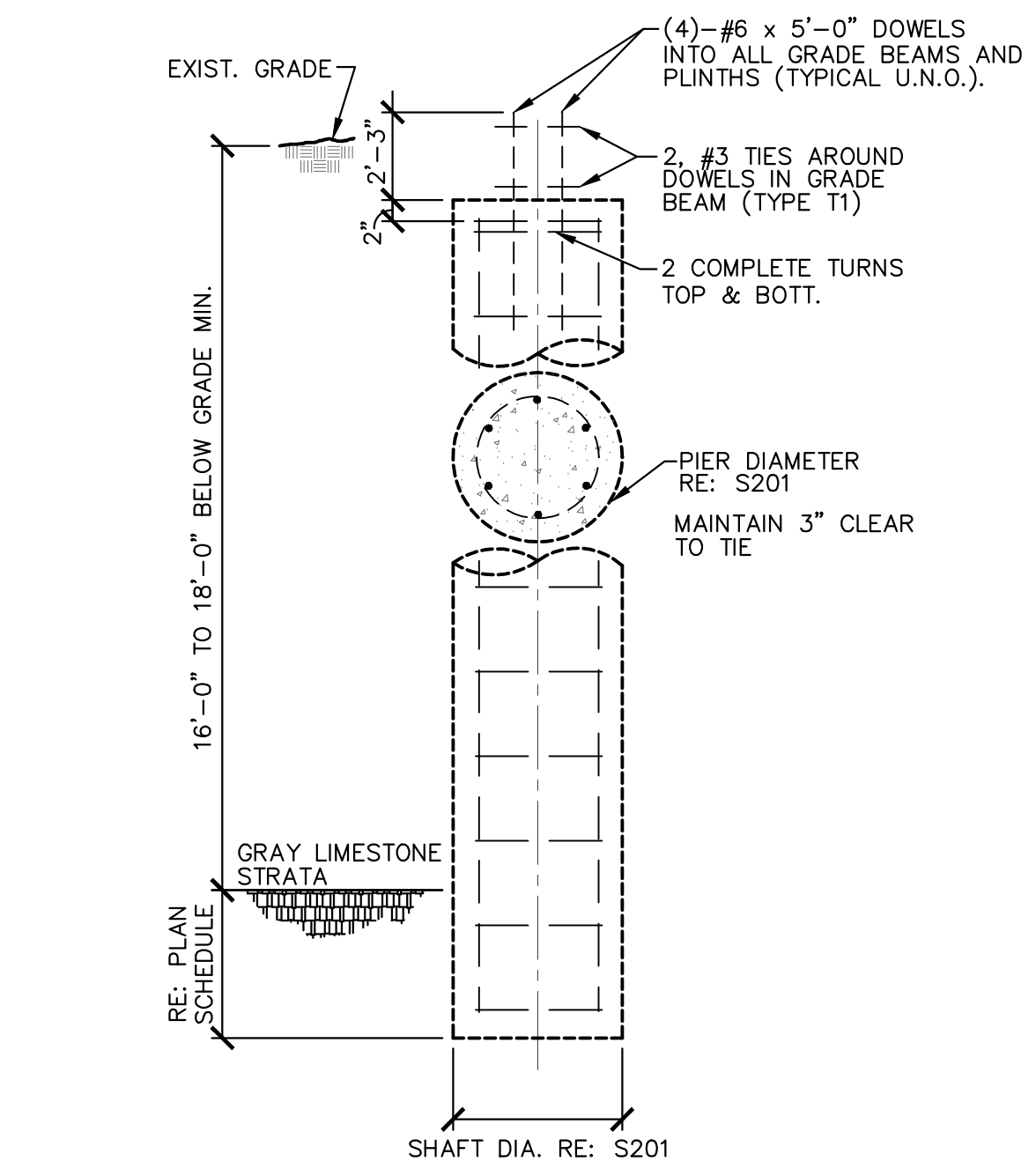
S106 ANCHOR BOLT DETAILS
1" = 1'-0"



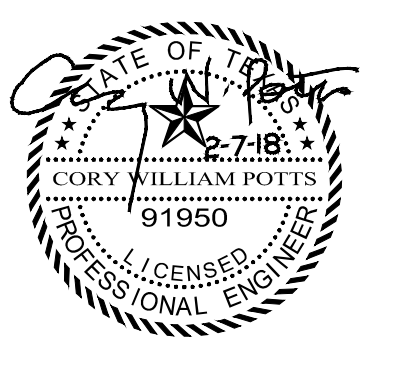
S102 TYP. GRADE SLAB CONTROL JT.
1" = 1'-0"



S104 TYP. GRADE SLAB CONST. JT.
1" = 1'-0"



S107 TYPICAL PIER DETAIL
NTS

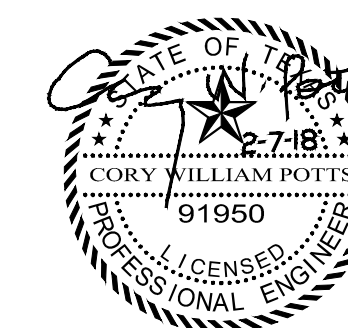


ALEDO, TEXAS

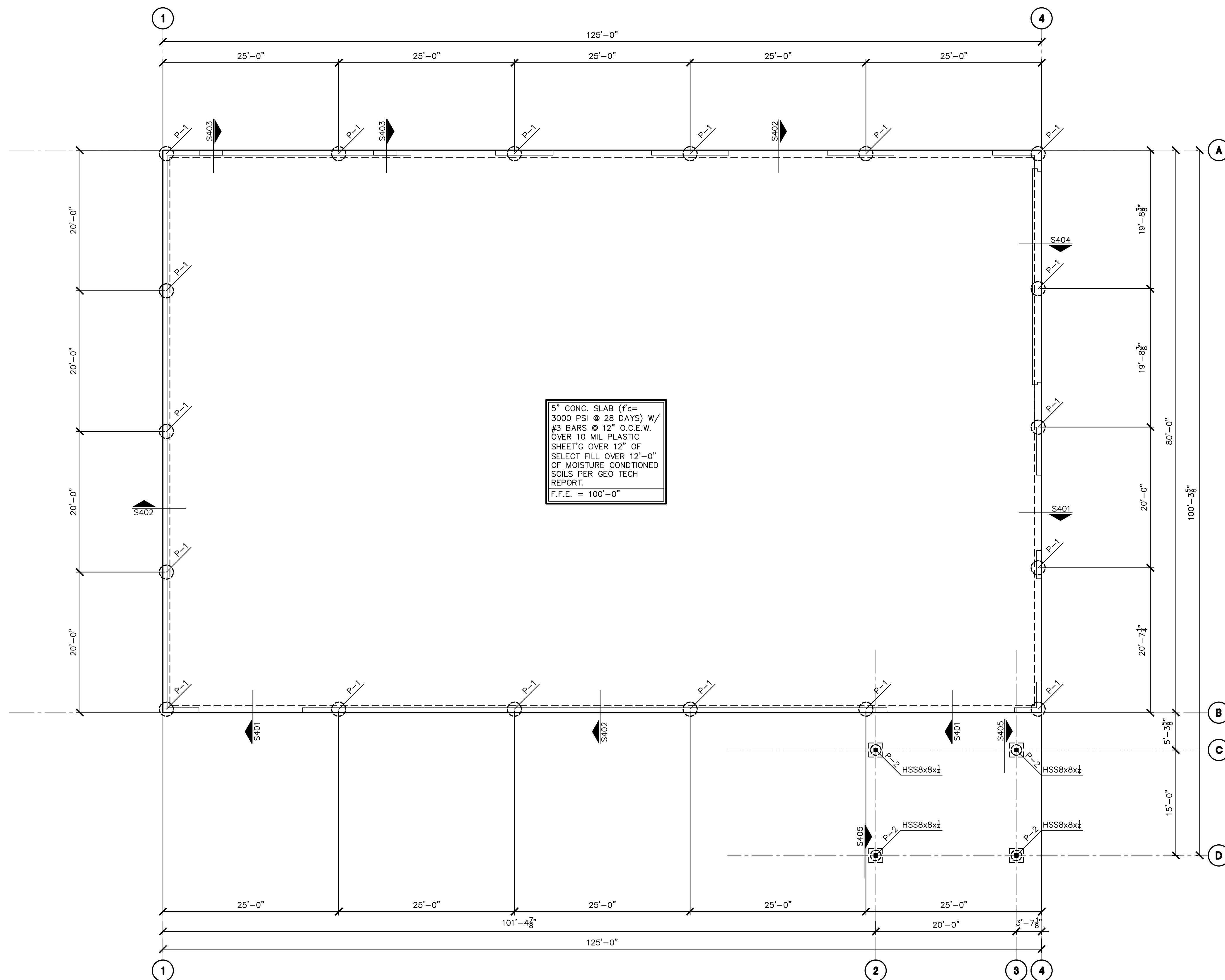
DIETNIES

ALEDO RETAIL

GENERAL NOTES AND DETAILS	
REVISIONS	
DRAWN BY: JMB	PROJ. NO.: CVP
DATE: 8/7/2018	PROJ. NO.:
SHEET NO.	
S1	
SHEET OF	



D1 FITNESS
ALEDO RETAIL
 ALEDO, TEXAS



5" CONC. SLAB (f'c = 3000 PSI @ 28 DAYS) W/ #3 BARS @ 12" O.C.E.W. OVER 10 MIL PLASTIC SHEET'G OVER 12" OF SELECT FILL OVER 12'-0" OF MOISTURE CONDITIONED SOILS PER GEO TECH REPORT.
 F.F.E. = 100'-0"

SXXXX
 DETAIL NUMBER
 SHEET NUMBER
SECTION KEY

PIER SCHEDULE				
MARK	SHAFT DIA.	PENETRATION INTO BEARING STRATUM	VERT. BARS	TIES
P-1	24"	4'-0"	(6)-#6	#3 @ 12" O.C.
P-2	18"	4'-0"	(6)-#5	#3 @ 10" O.C.

S201 FOUNDATION PLAN
 1/8" = 1'-0"

- NOTES:
 1. VERIFY ALL SLAB SLOPES AND RECESSES WITH ARCHITECTURAL DRAWINGS.
 2. FIELD VERIFY ALL DIMENSIONS.
 3. VERIFY LOCATION AND MEASUREMENTS OF OPENINGS WITH ARCHITECTURAL DRAWINGS AND HARDWARE MANUFACTURER.
 4. ALL COLUMNS TO BE HSS8x8x1/4 TUBE COLUMNS U.N.O.

FOUNDATION PLAN

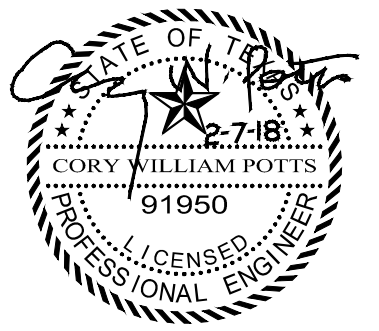
REVISIONS

DRAWN BY: JMS PROJ. MGR.: CWP
 DATE: 8/7/2018 PROJ. NO.:

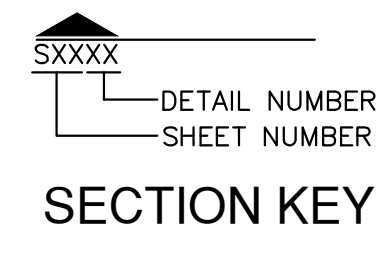
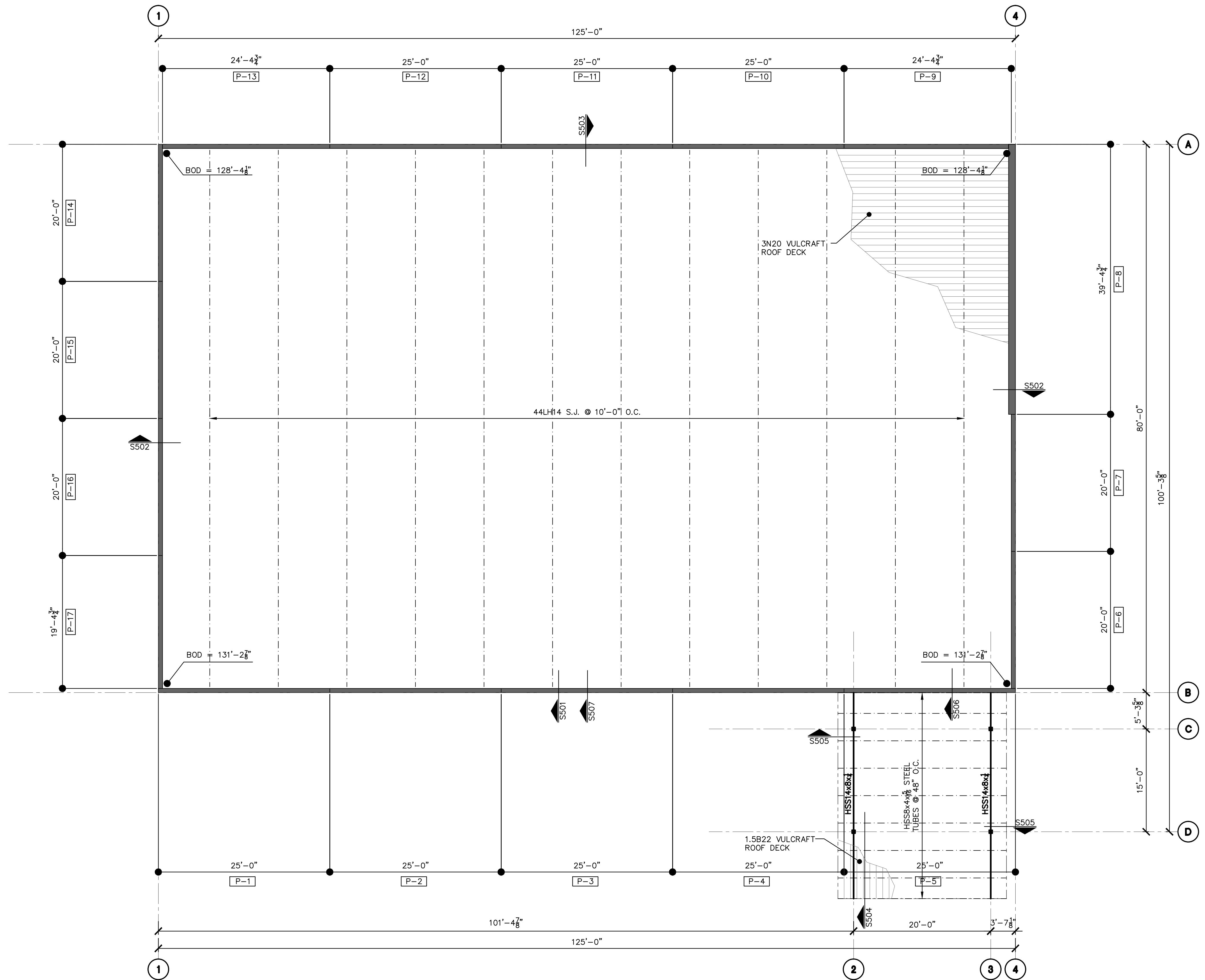
SHEET NO.

S2

SHEET OF



D1 FITNESS
ALEDO RETAIL
 ALEDO, TEXAS



FRAMING LEGEND	
JOISTS	----
TILT WALL	=====
HEADER / BEAM	—————

S301 ROOF FRAMING PLAN
 1/8" = 1'-0"

- NOTES:
 1. VERIFY ALL SLAB SLOPES AND RECESSES WITH ARCHITECTURAL DRAWINGS
 2. FIELD VERIFY ALL DIMENSIONS.
 3. VERIFY LOCATION AND MEASUREMENTS OF OPENINGS WITH ARCHITECTURAL DRAWINGS AND HARDWARE MANUFACTURER.
 4. JOIST MANUFACTURER TO DESIGN FOR ADDITIONAL RTU LOADS. RE: MECH DRAWINGS FOR RTU'S LOCATIONS AND WEIGHTS.

ROOF FRAMING PLAN

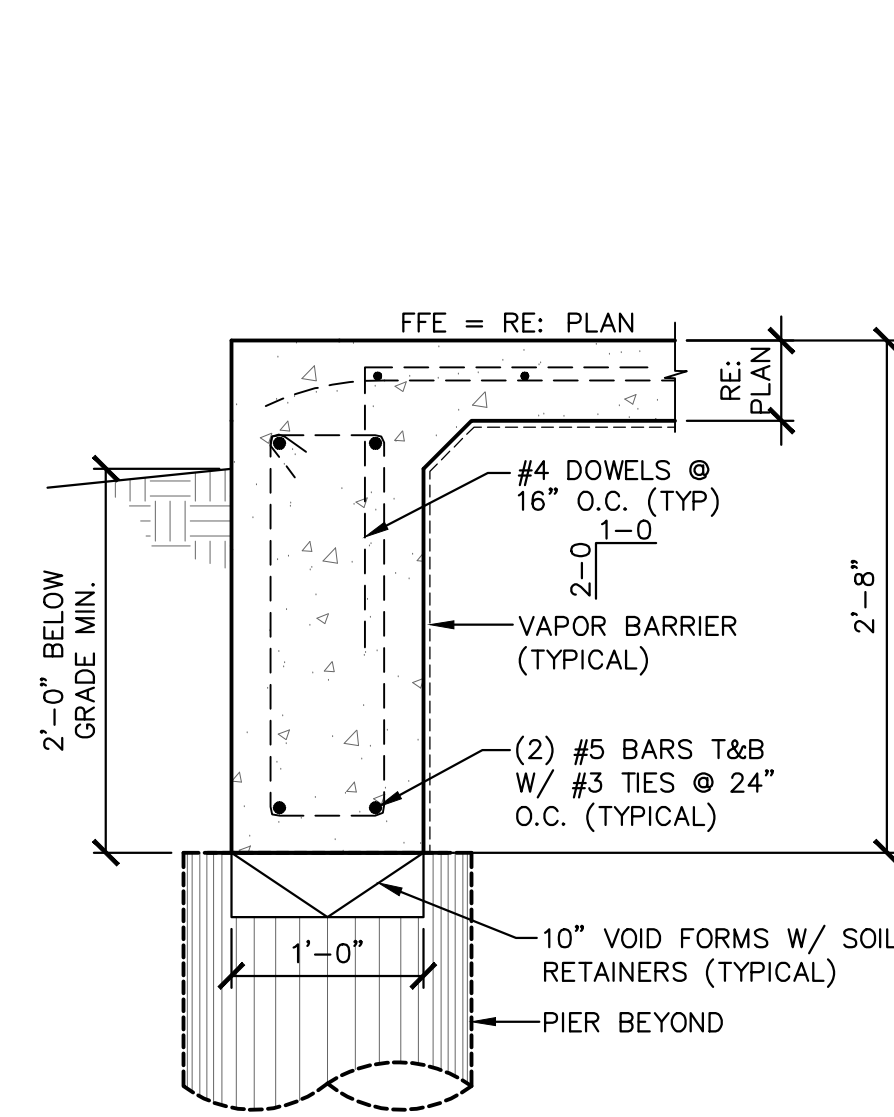
REVISIONS

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DATE: 8/7/2018	PROJ. NO.:

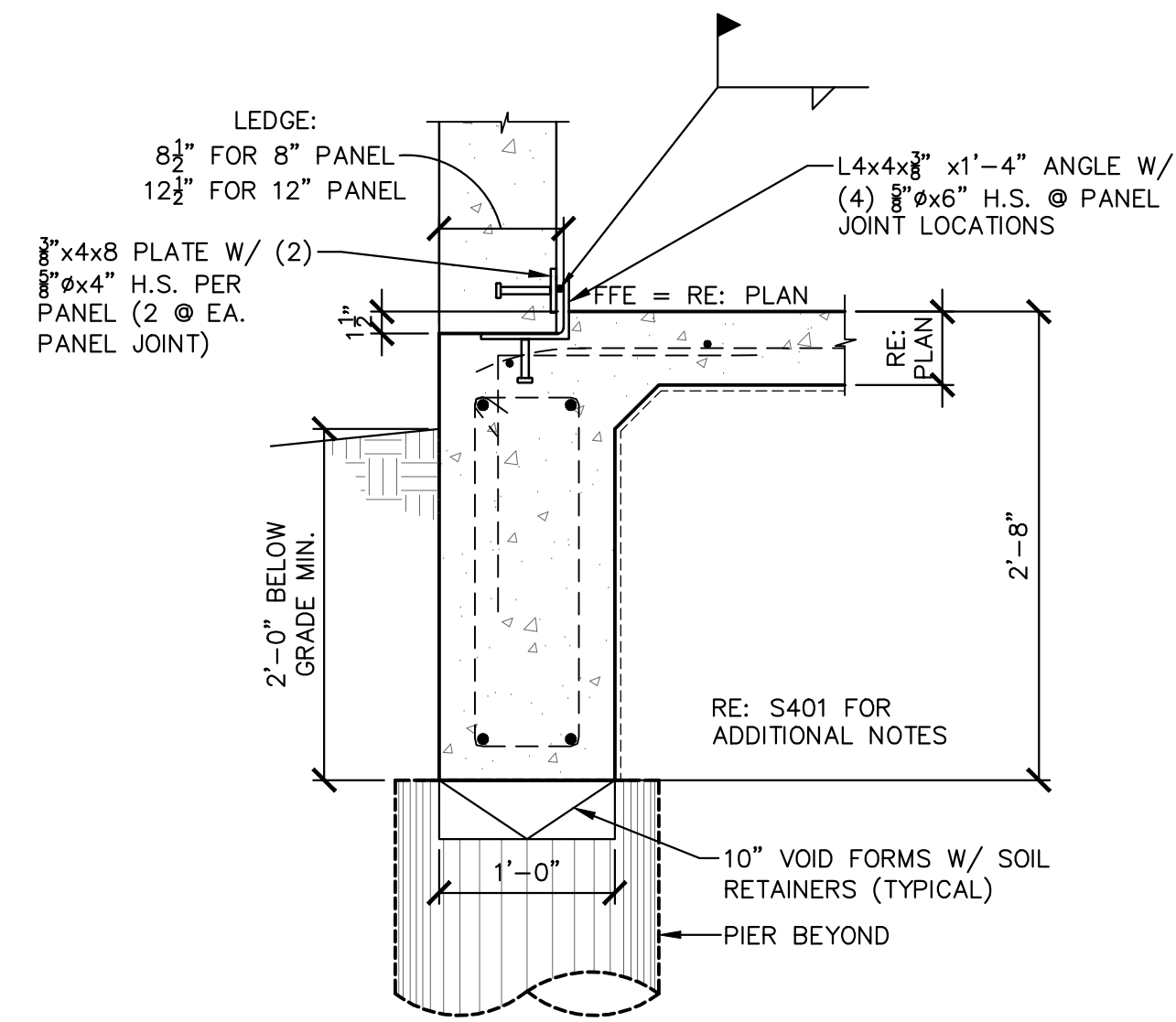
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S3

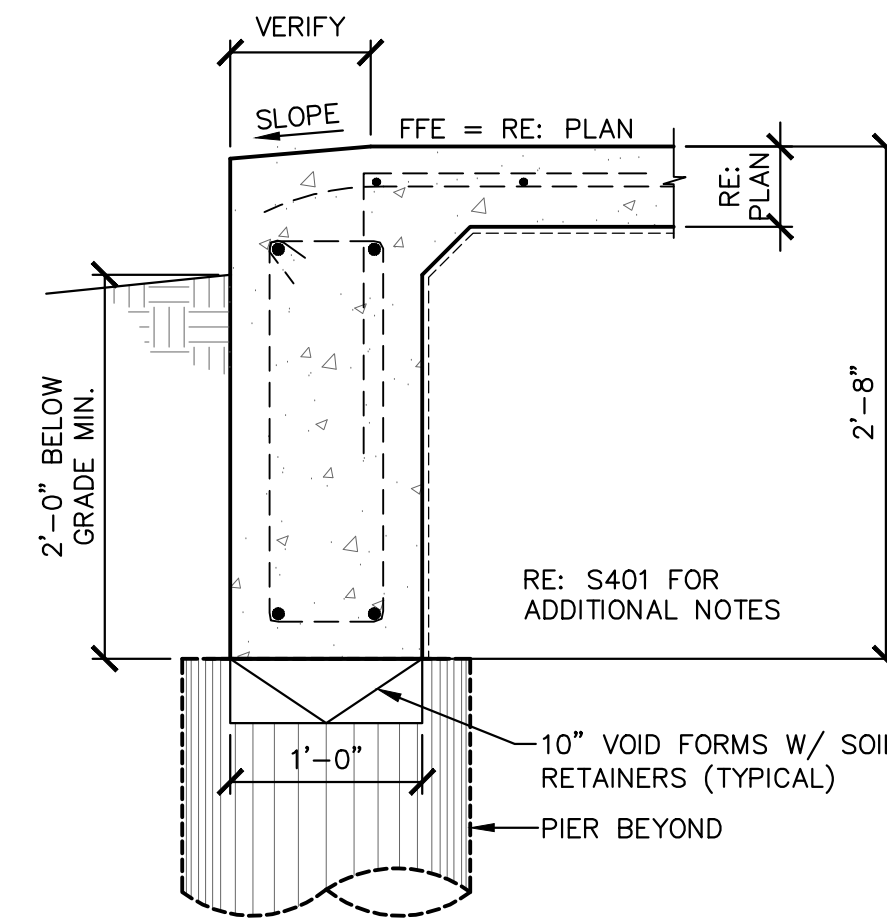
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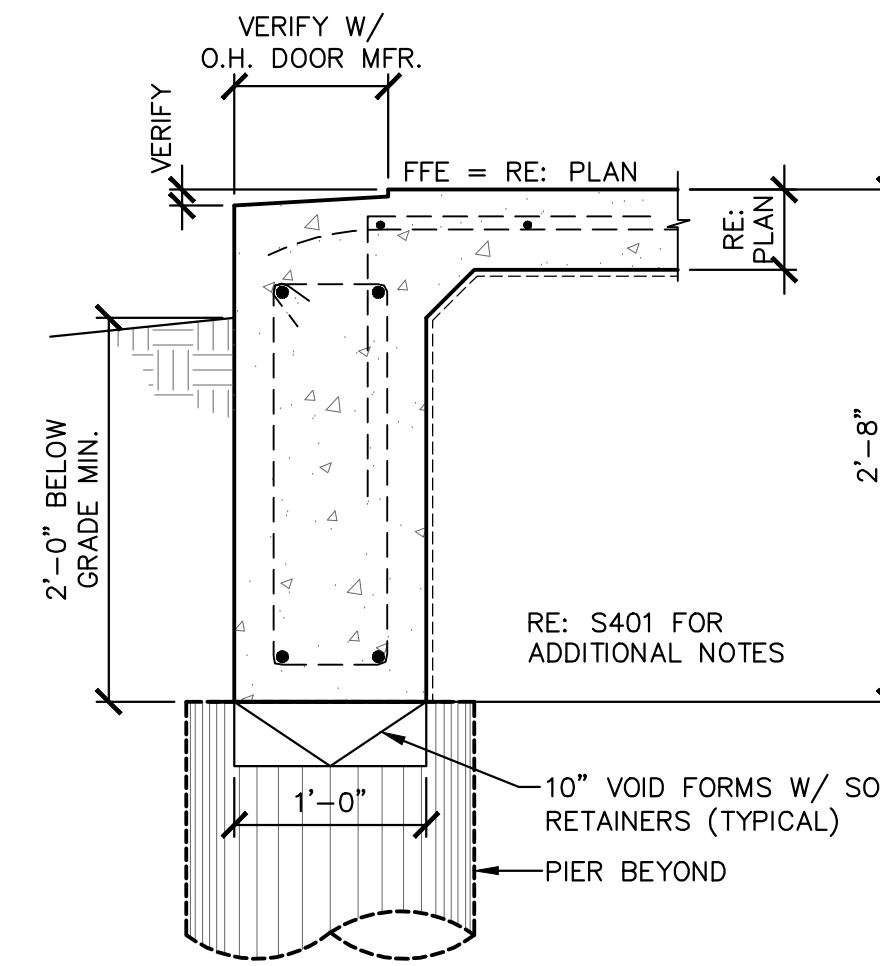
S401 SECTION @ STORE FRONT
1" = 1'-0"



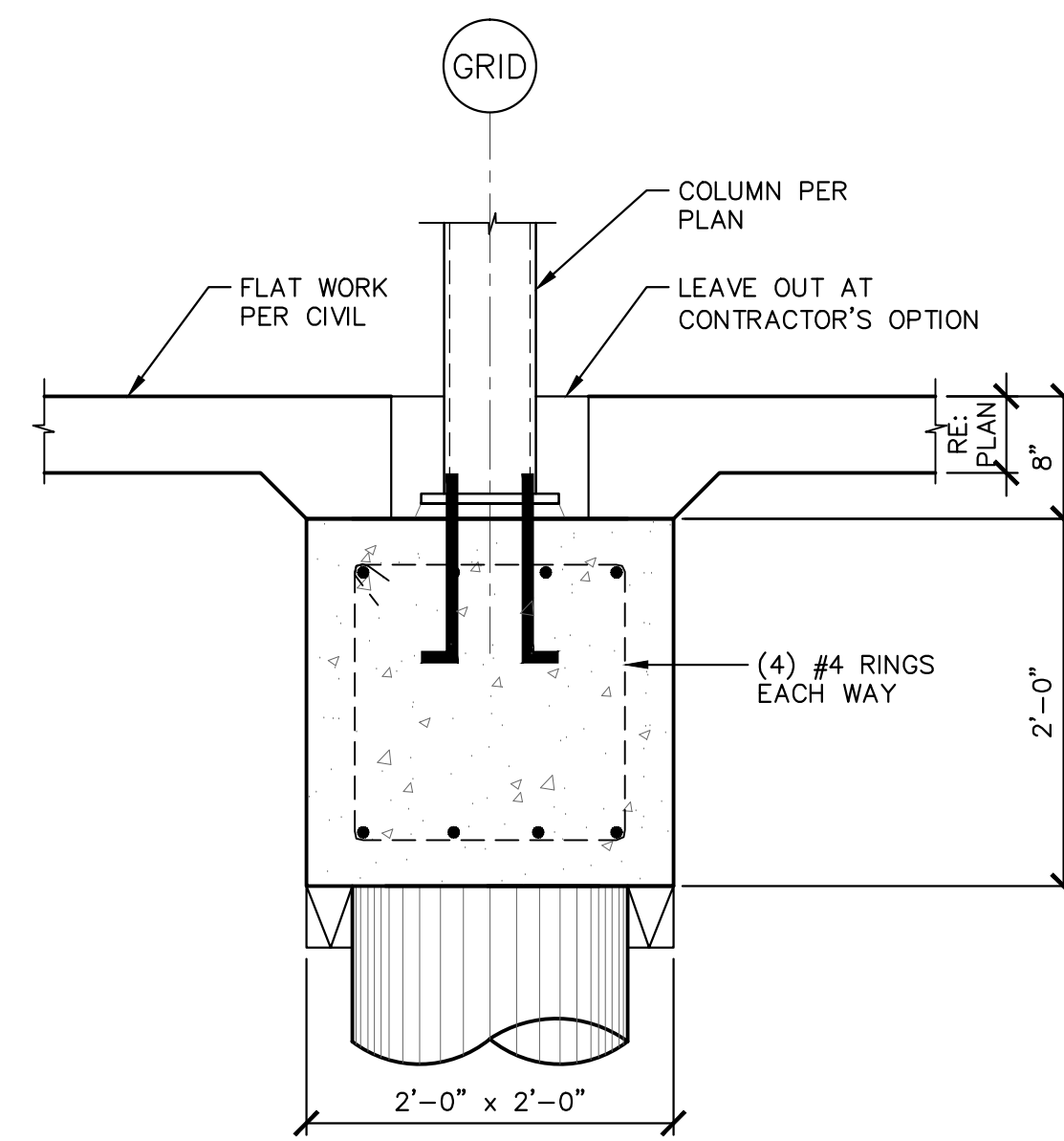
S402 SECTION
1" = 1'-0"



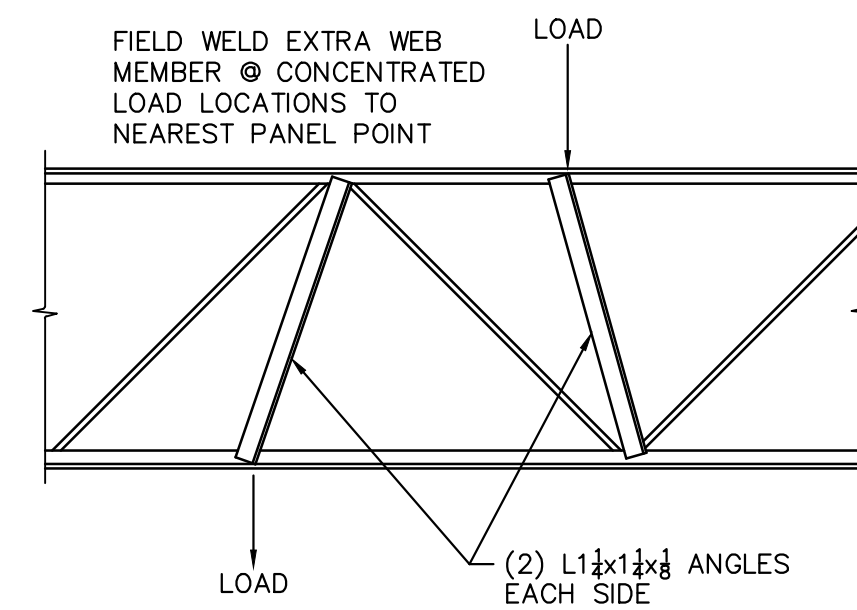
S403 SECTION @ PERSONNEL DOOR
1" = 1'-0"



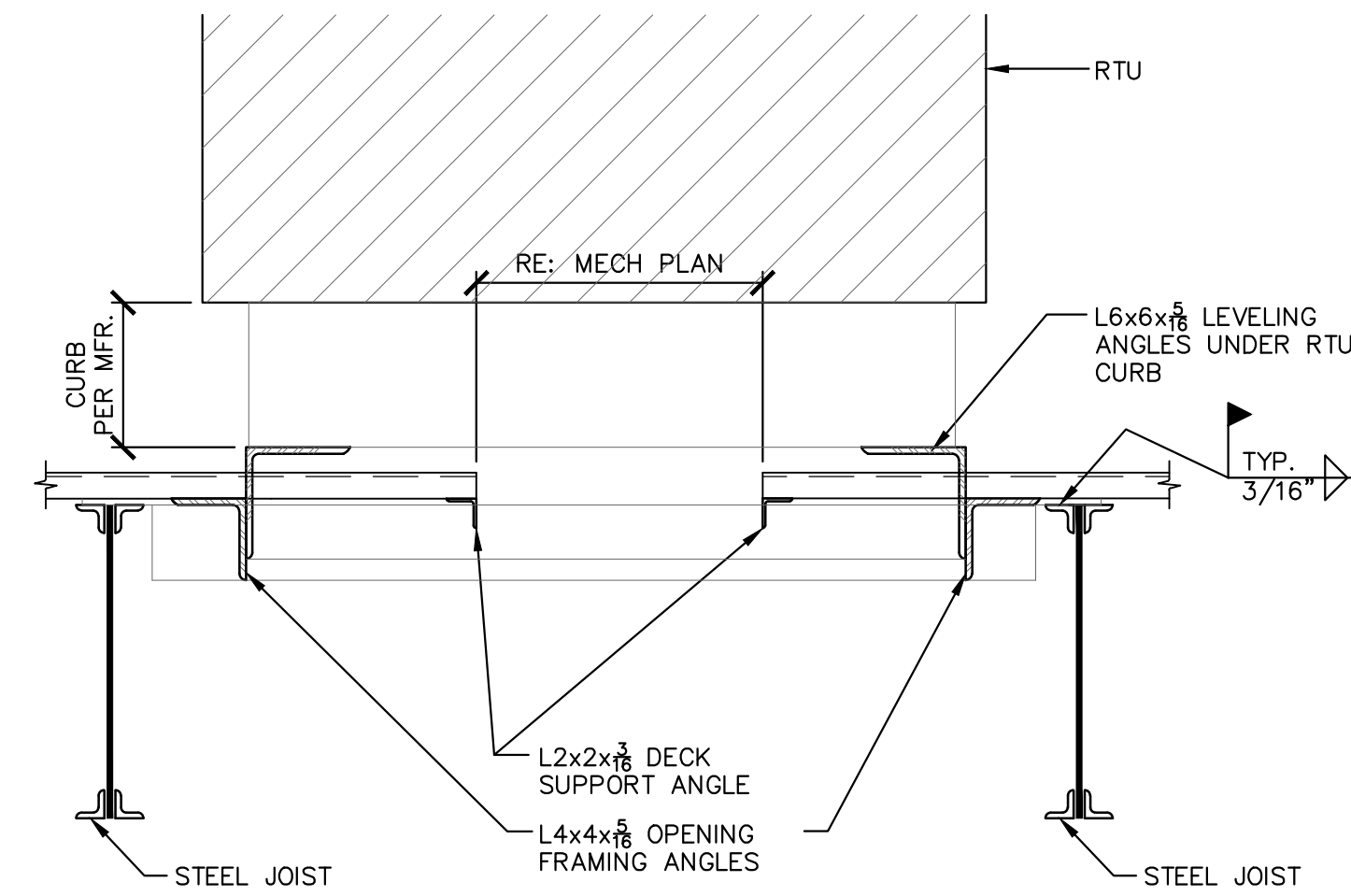
S404 SECTION @ O.H. DOOR
1" = 1'-0"



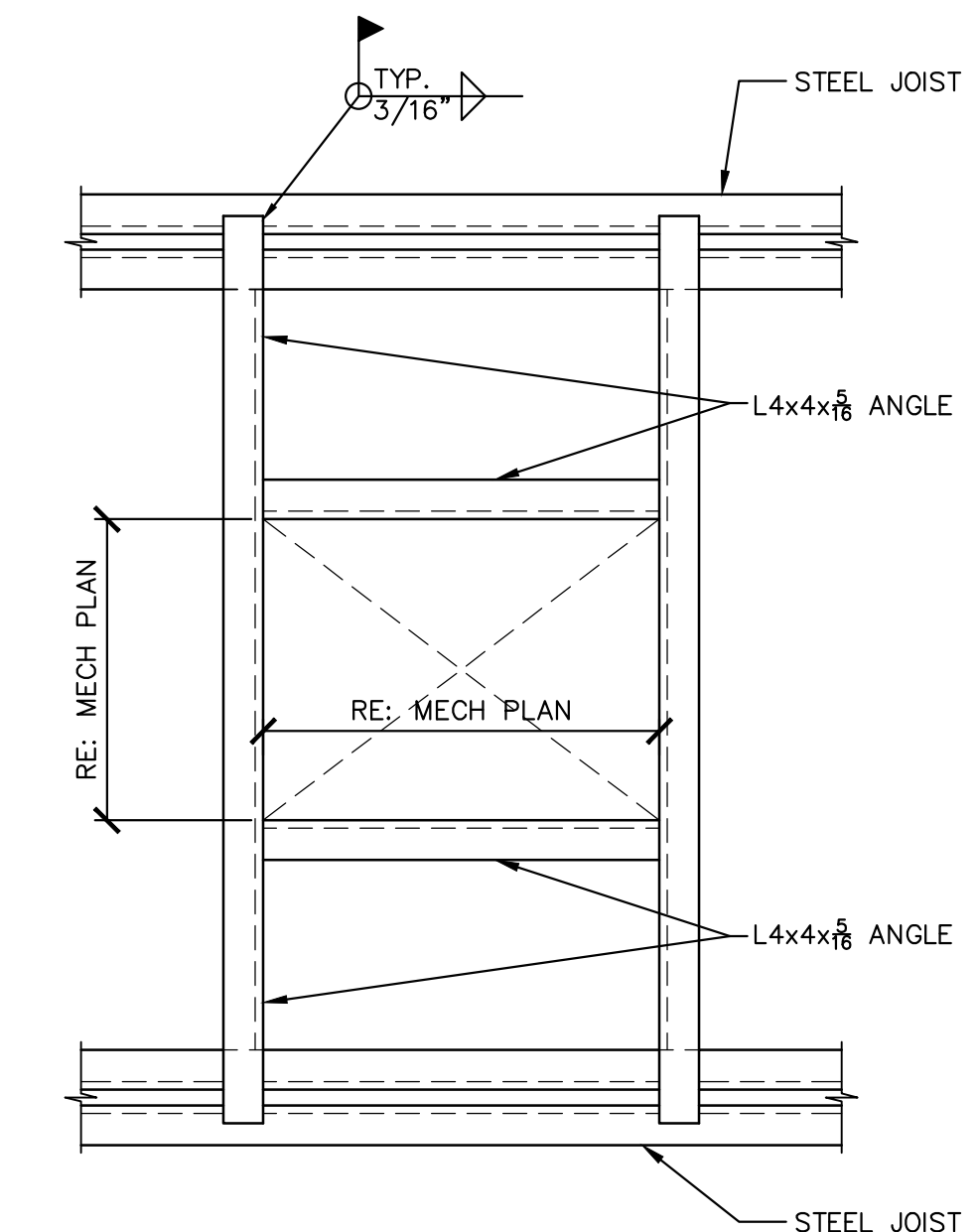
S405 SECTION
1" = 1'-0"



S406 SECTION
1" = 1'-0"



S407 SECTION
1" = 1'-0"



S408 SECTION
1" = 1'-0"

FOUNDATION DETAILS

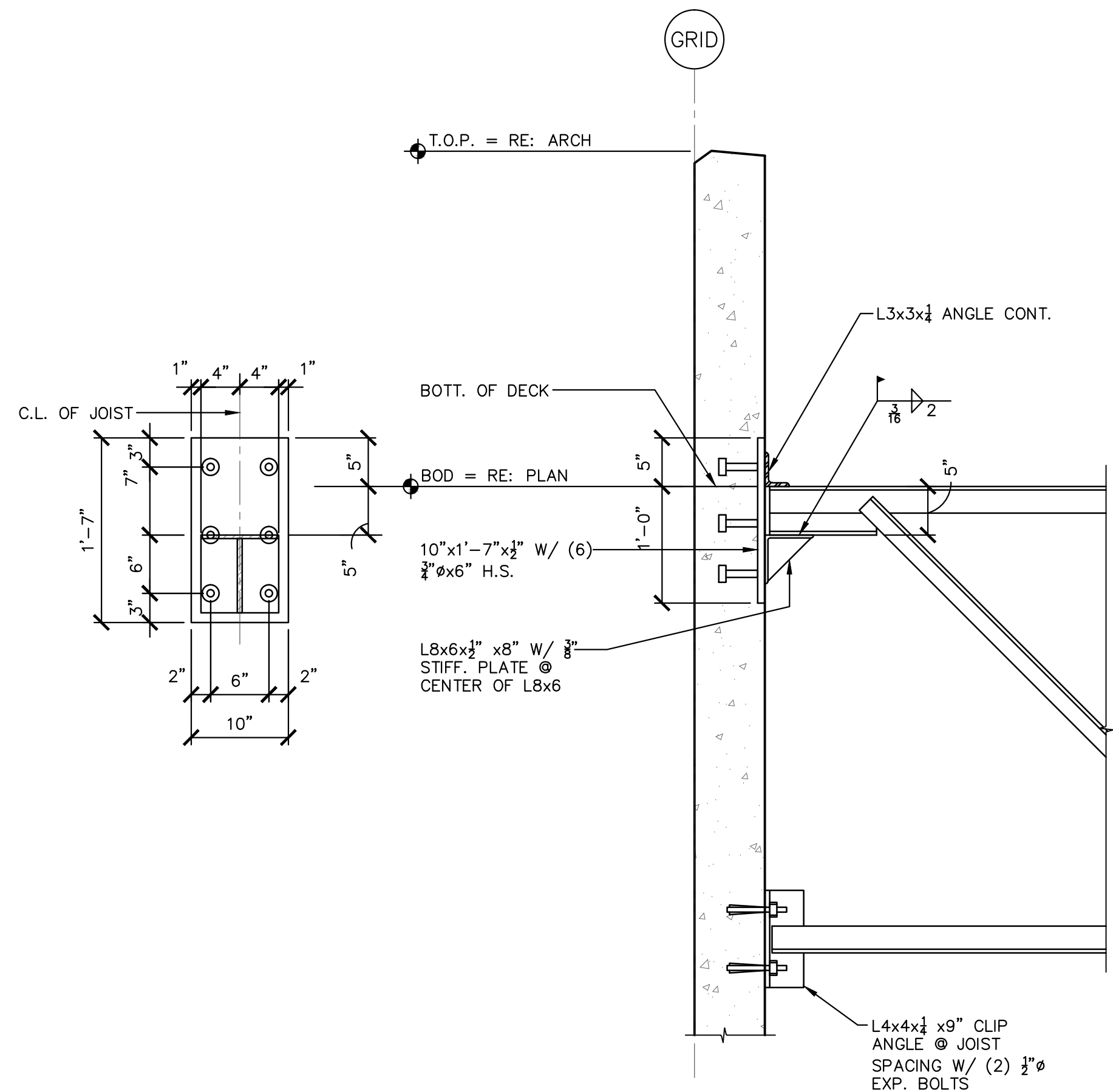
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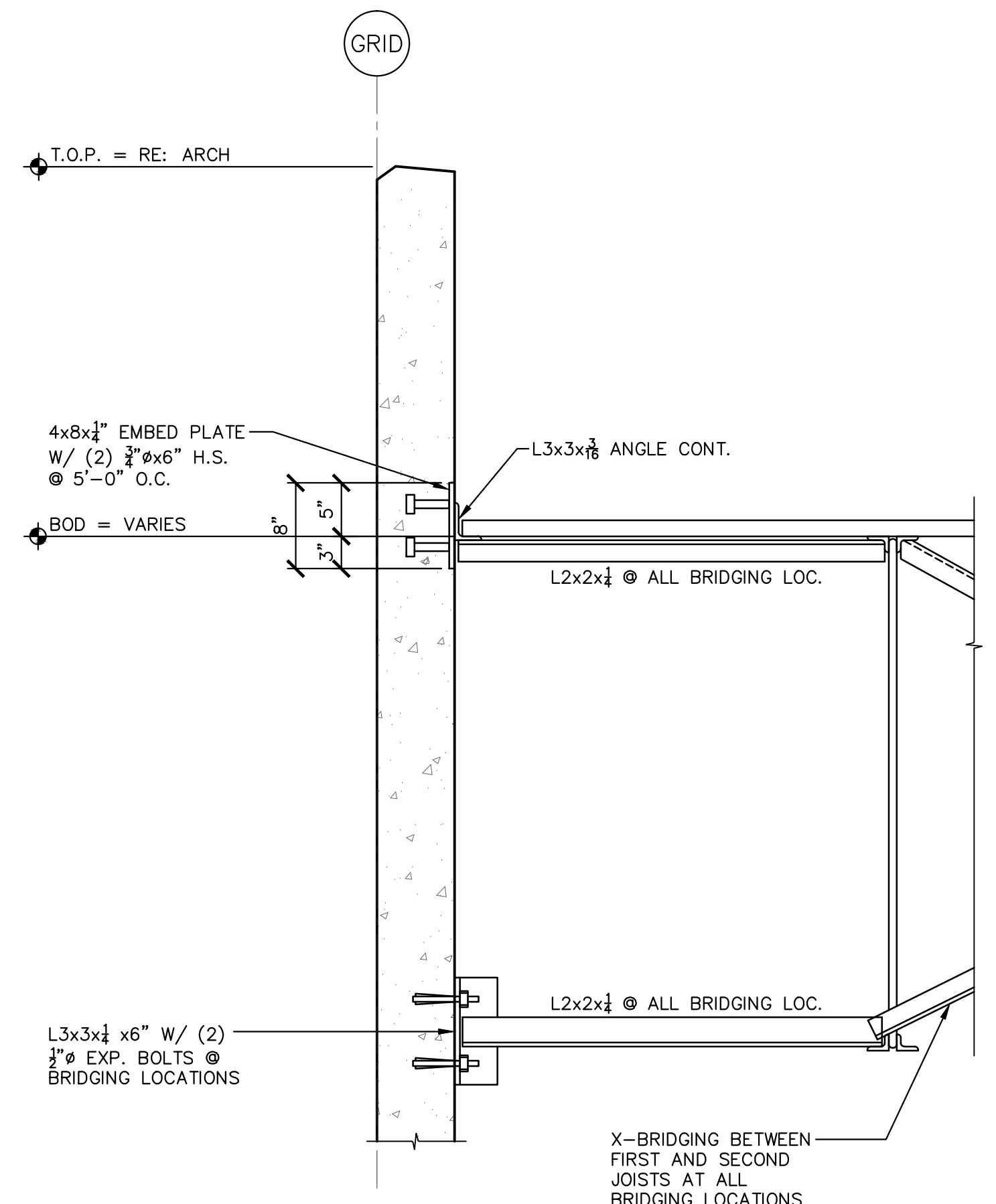
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SECRET
OF



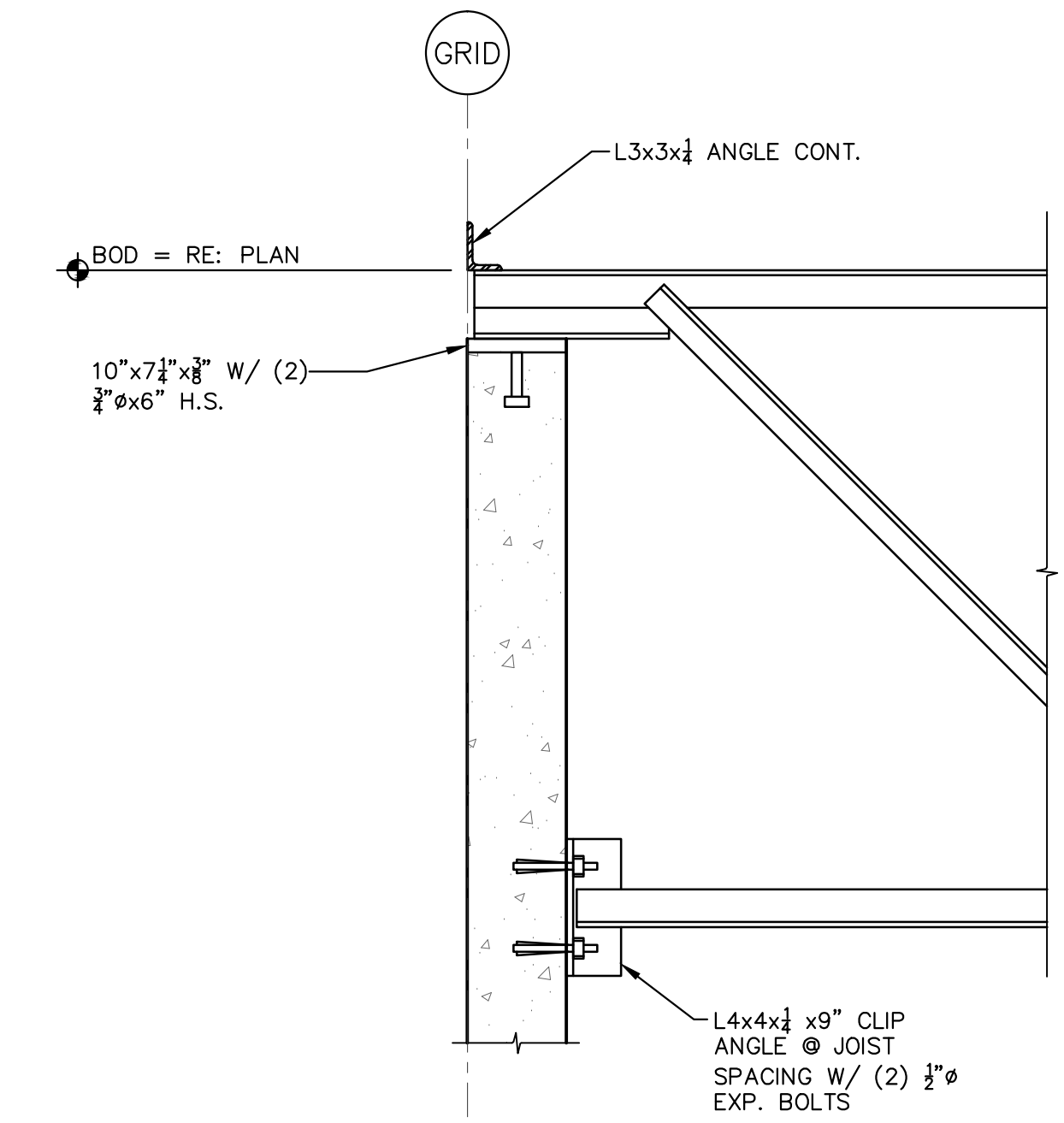
NOTES:
 1. DO NOT WELD BOTT. CHORDS UNTIL DEAD LOAD IS IN PLACE.
 2. JOIST AND ROOF DECK NOT SHOWN FOR CLARITY.

S501 TYP. STEEL JOIST TO PANEL CONNX.
 1" = 1'-0"



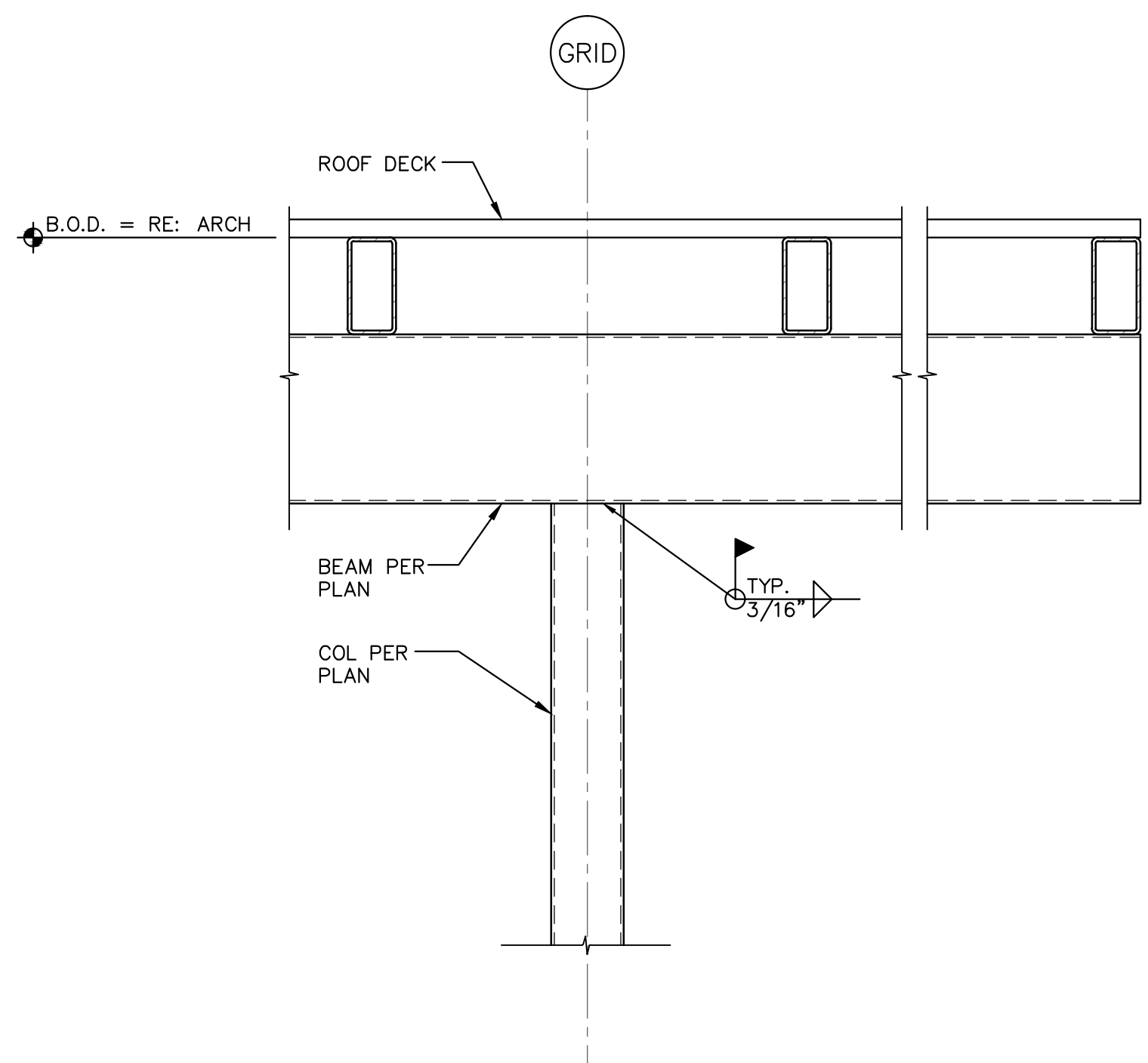
X-BRIDGING BETWEEN FIRST AND SECOND JOISTS AT ALL BRIDGING LOCATIONS TYP. U.N.O.

S502 TYP. X-BRIDGING TO PANEL DETAIL
 1" = 1'-0"

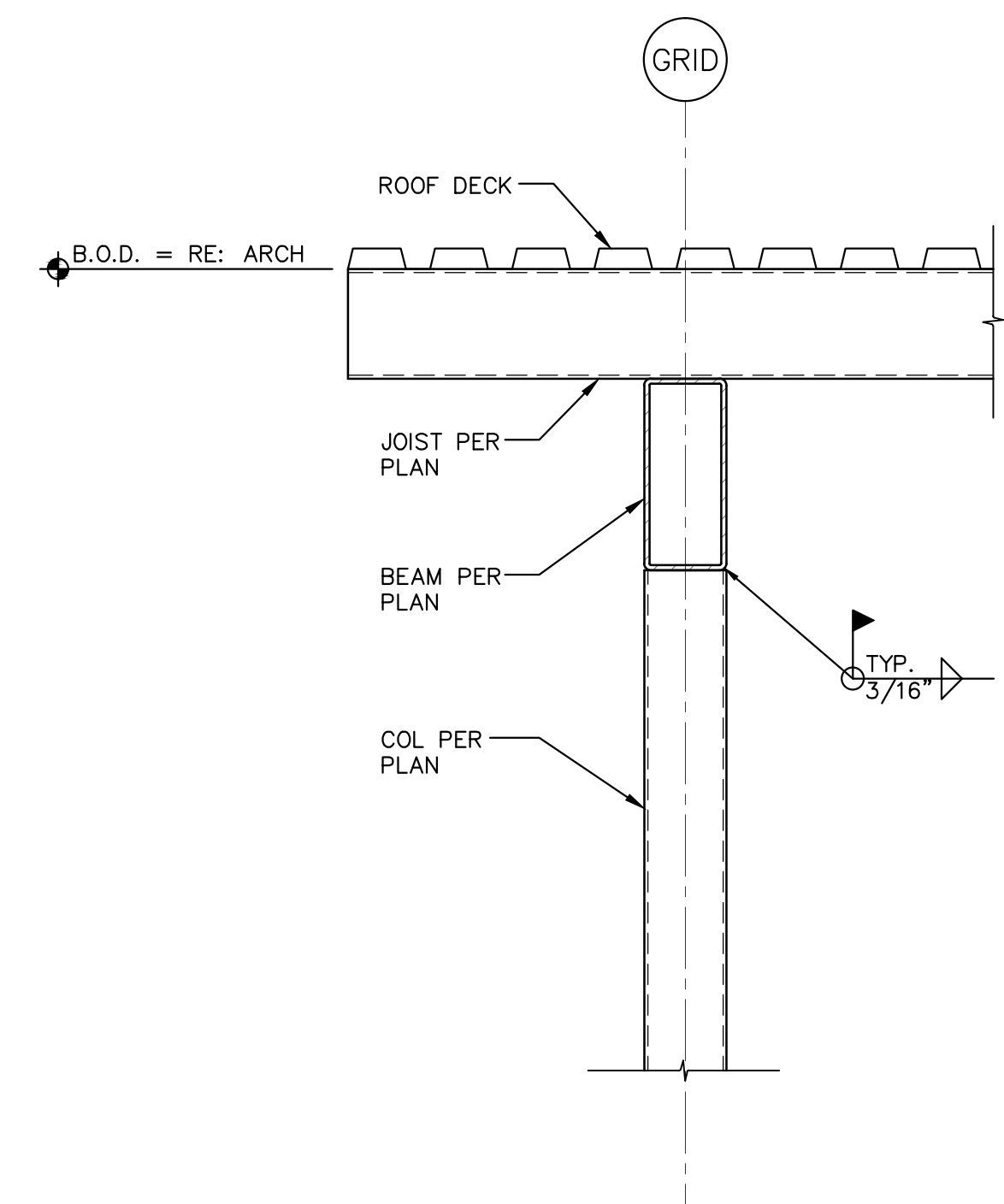


NOTES:
 1. DO NOT WELD BOTT. CHORDS UNTIL DEAD LOAD IS IN PLACE.
 2. JOIST AND ROOF DECK NOT SHOWN FOR CLARITY.

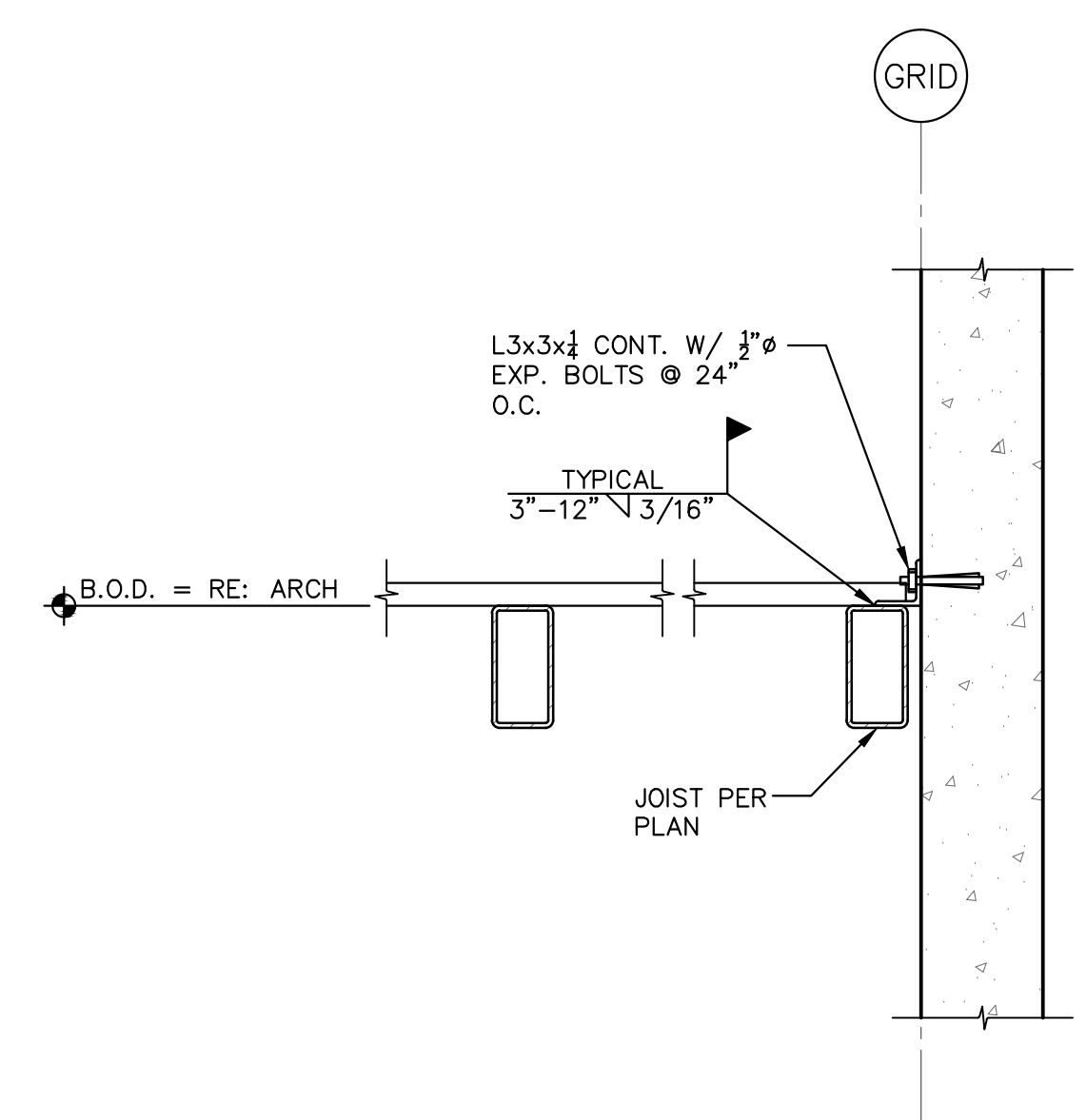
S503 SECTION
 1" = 1'-0"



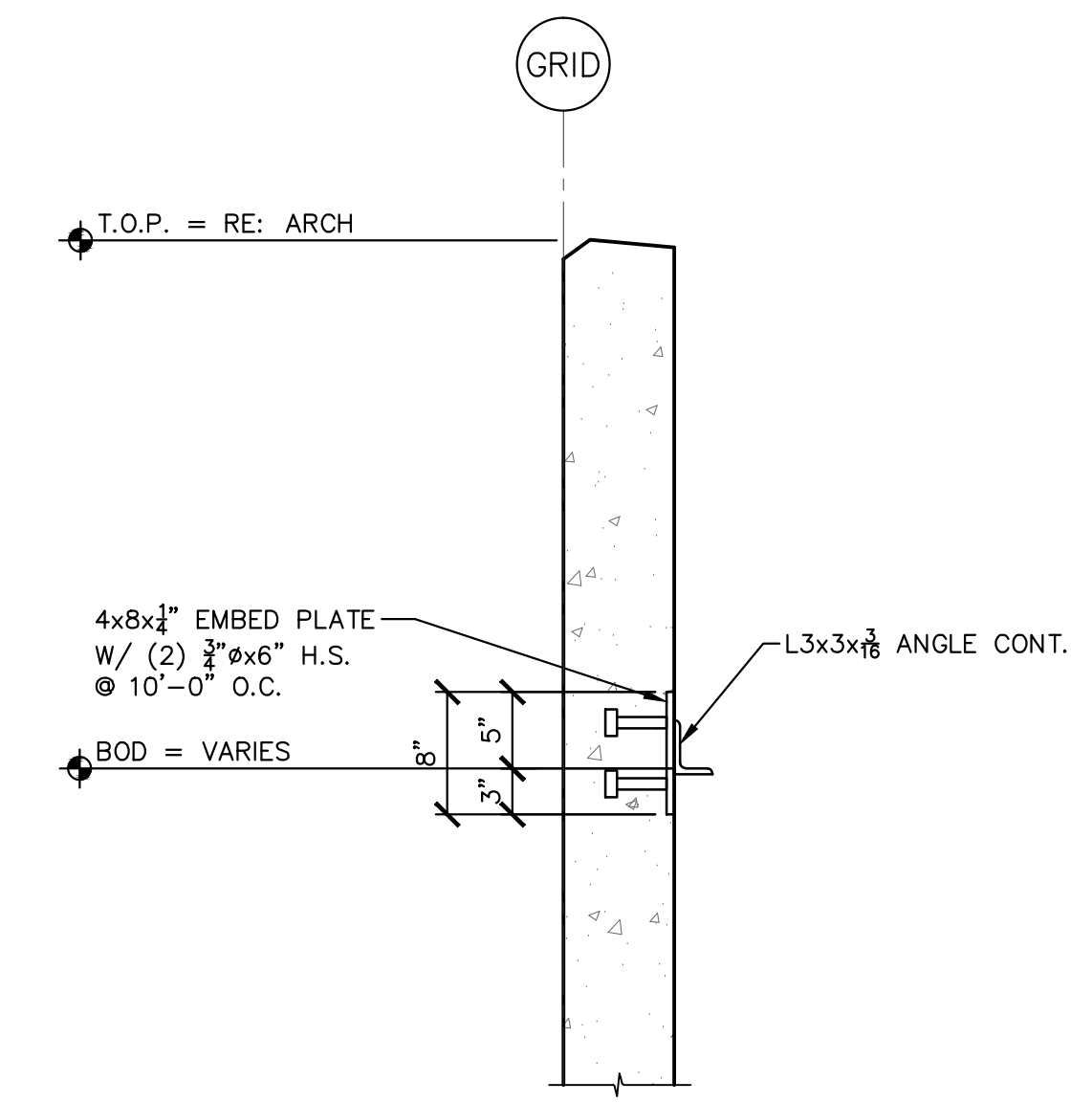
S504 SECTION
 1" = 1'-0"



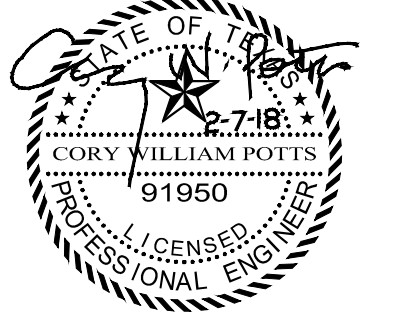
S505 SECTION
 1" = 1'-0"



S506 SECTION
 1" = 1'-0"



S507 SECTION @ DECK ANGLE
 1" = 1'-0"



D1 FITNESS
ALEDO RETAIL
 ALEDO, TEXAS

FRAMING DETAILS

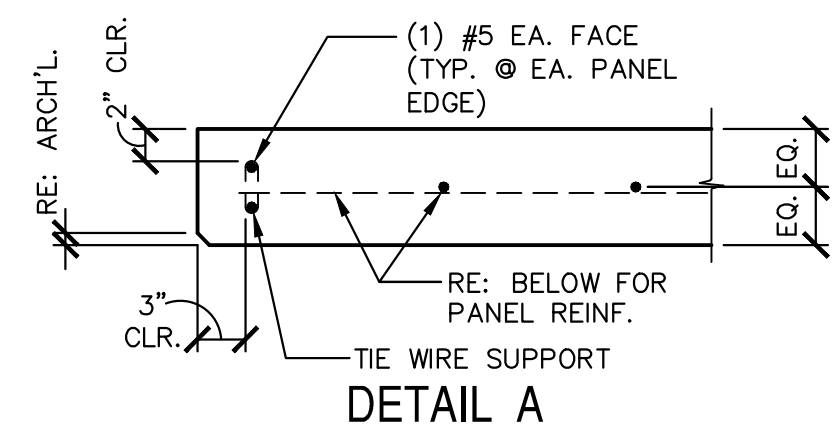
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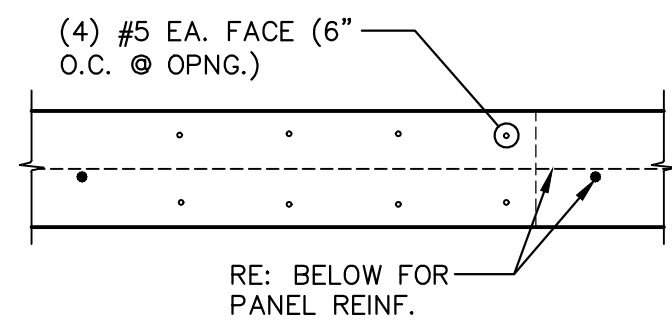
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S5

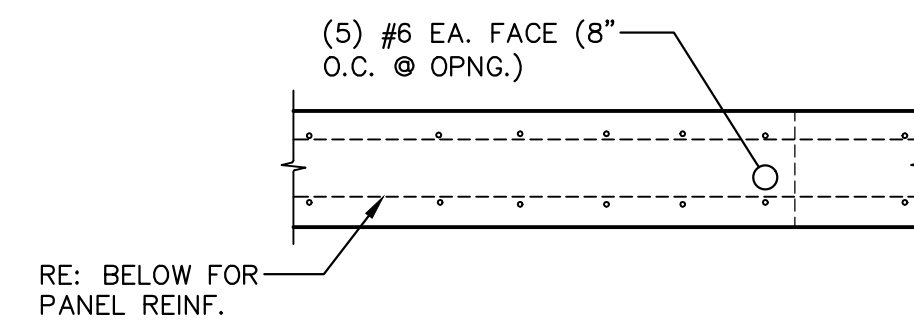
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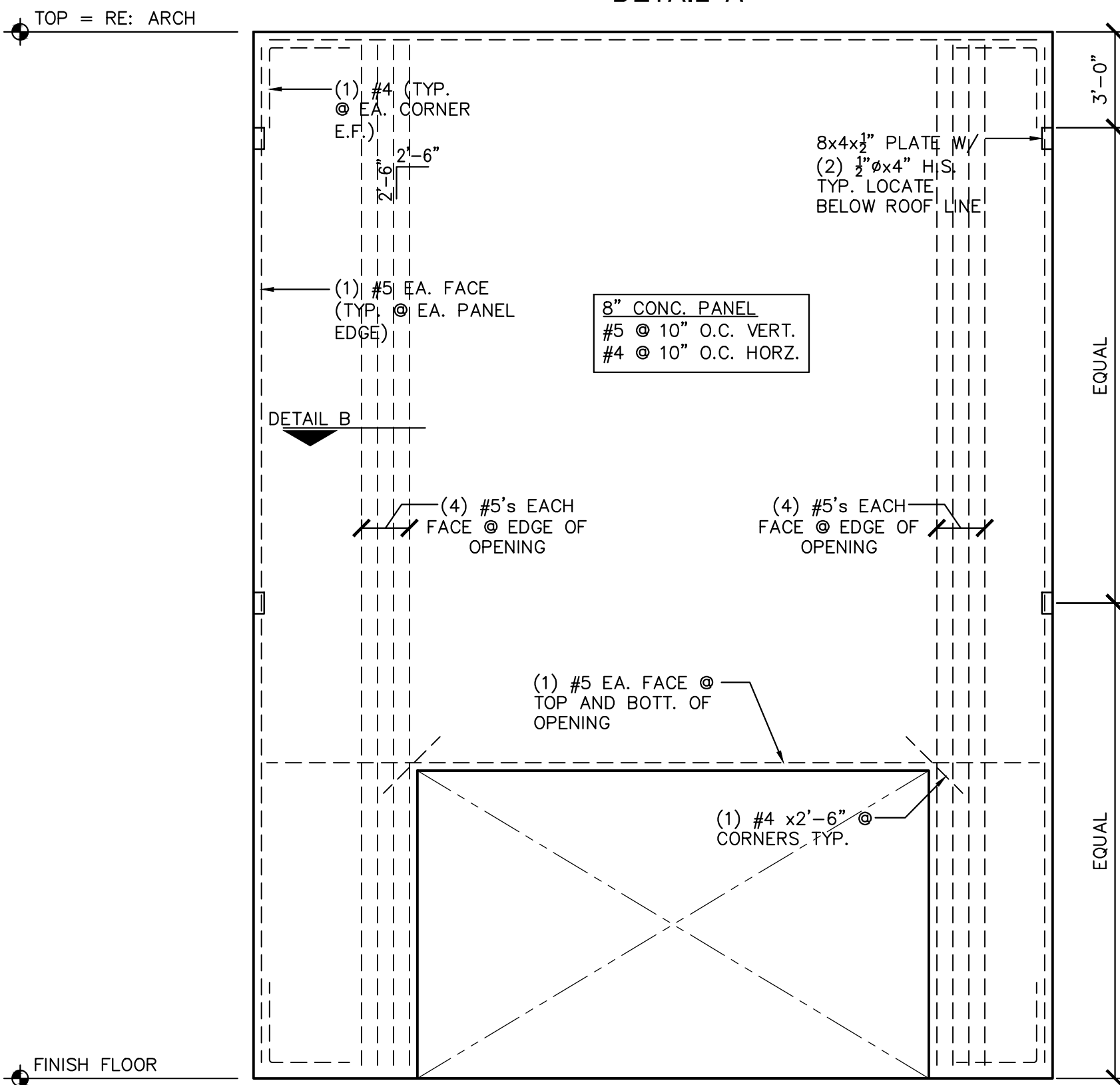
DETAIL A



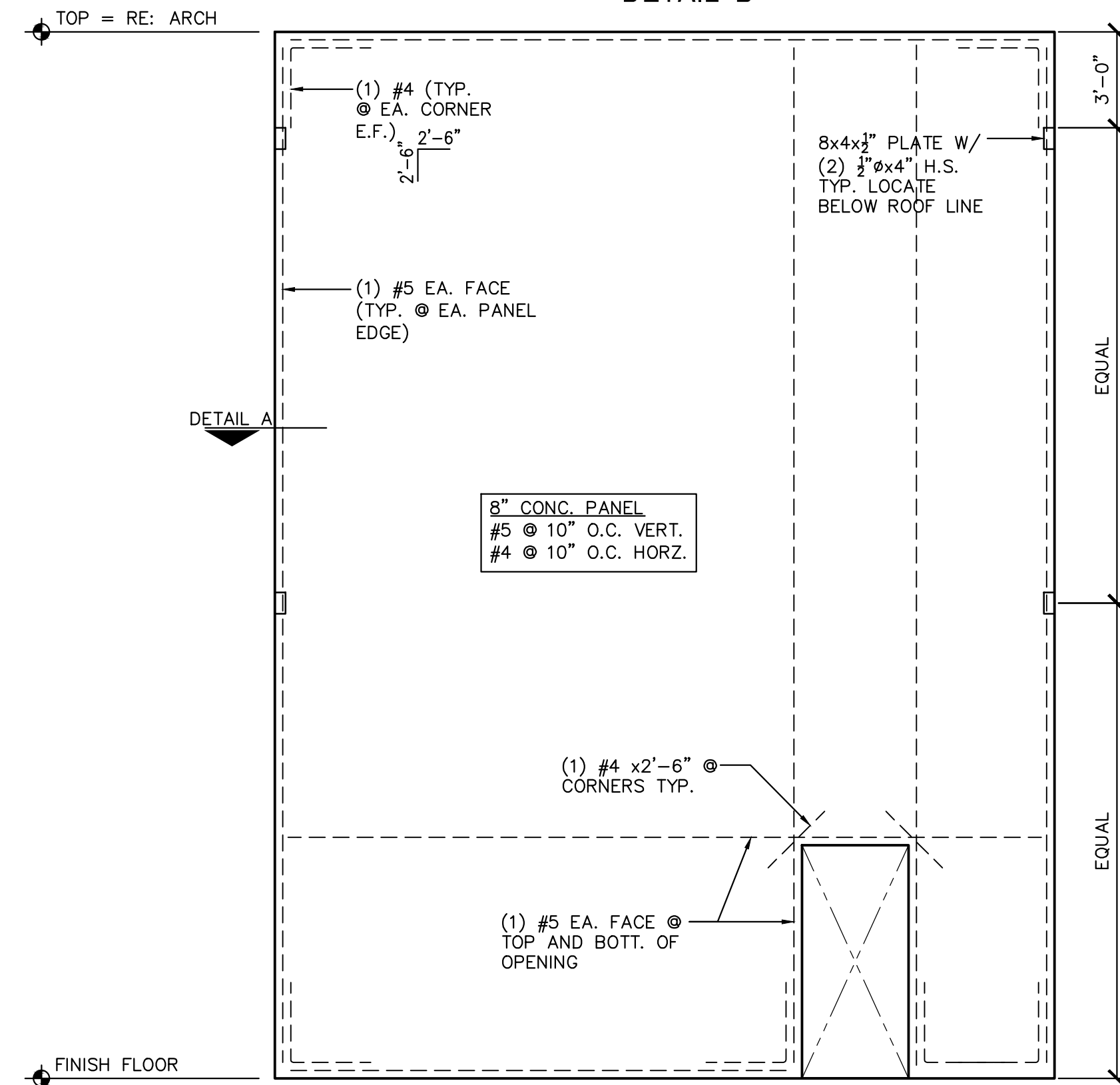
DETAIL B



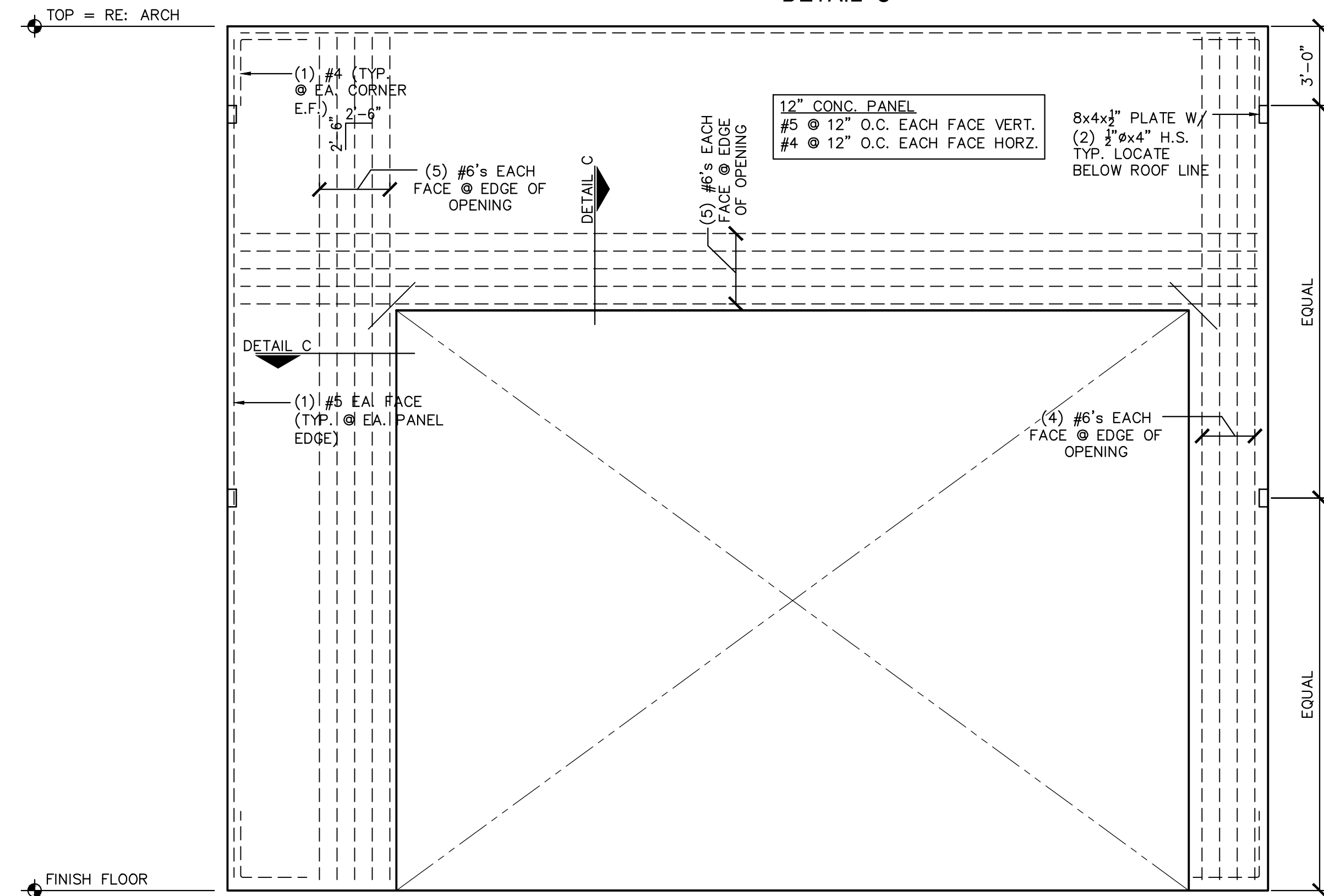
DETAIL C



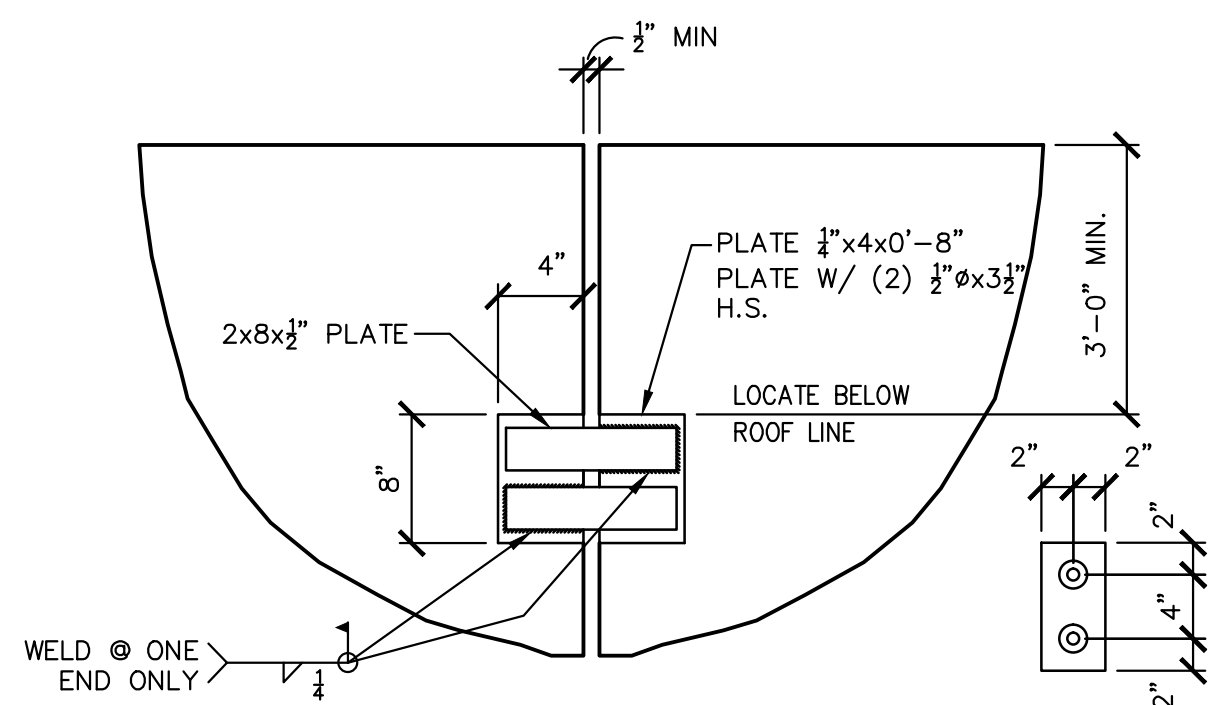
S601 TYP. PANEL REINF. DETAIL AT WINDOW OPENING
1/4" = 1'-0"



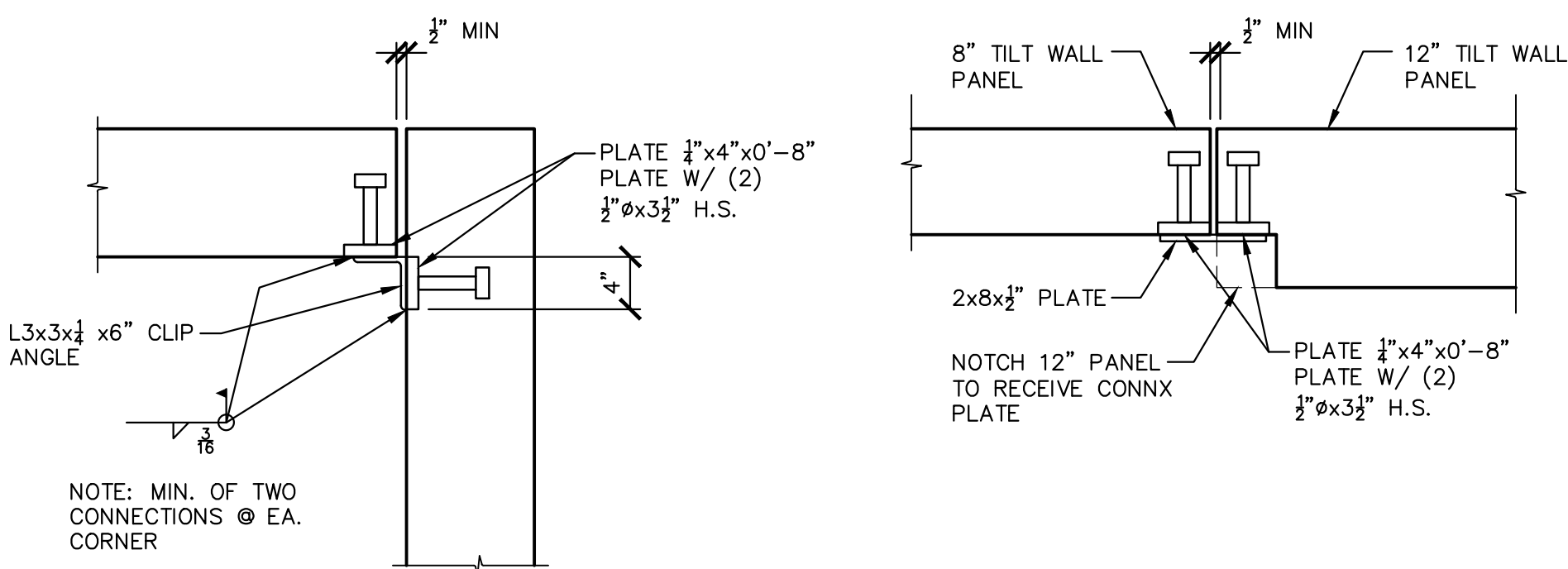
S602 TYP. PANEL REINF. DETAIL TYPICAL PANEL
1/4" = 1'-0"



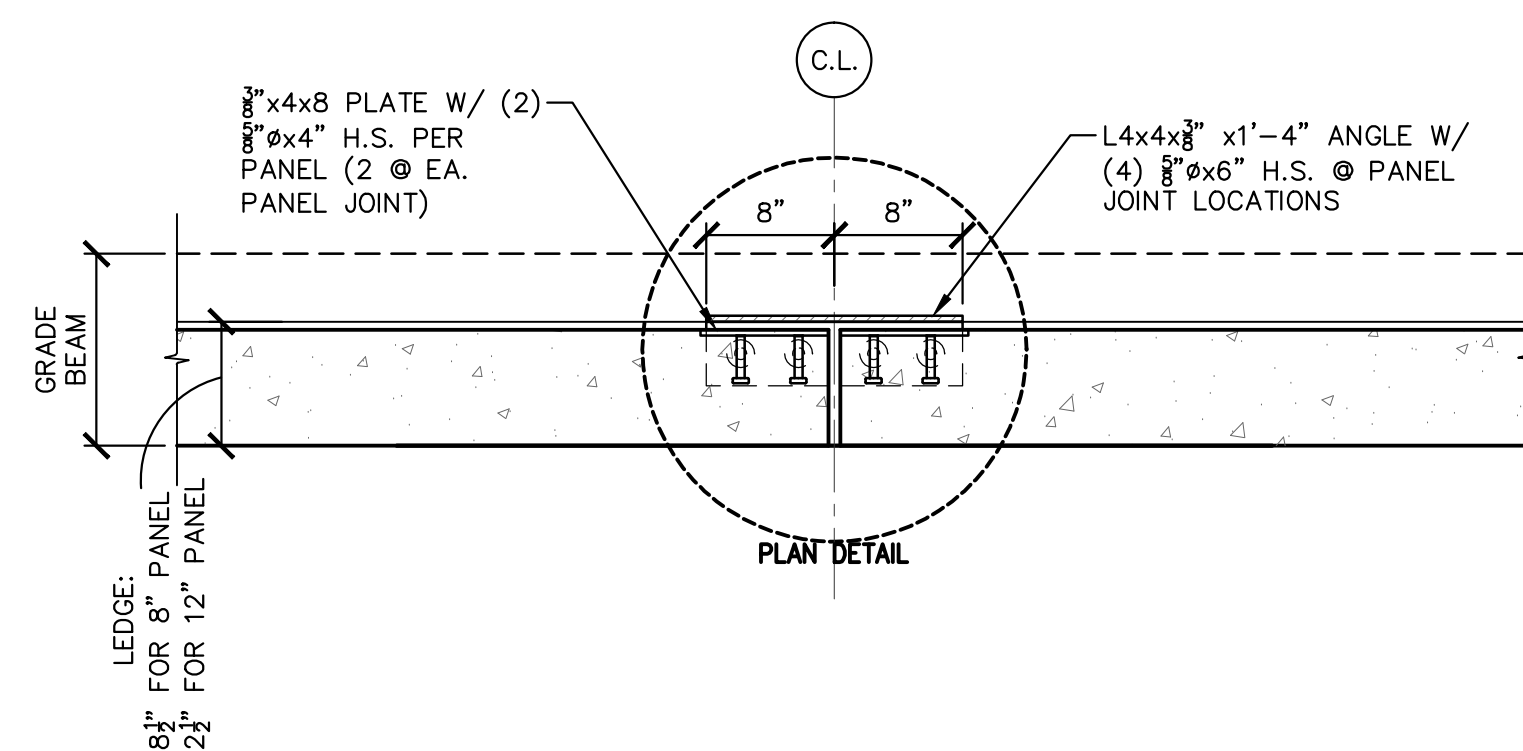
S603 TYP. PANEL REINF. DETAIL AT O.H. DOOR OPENING
1/4" = 1'-0"



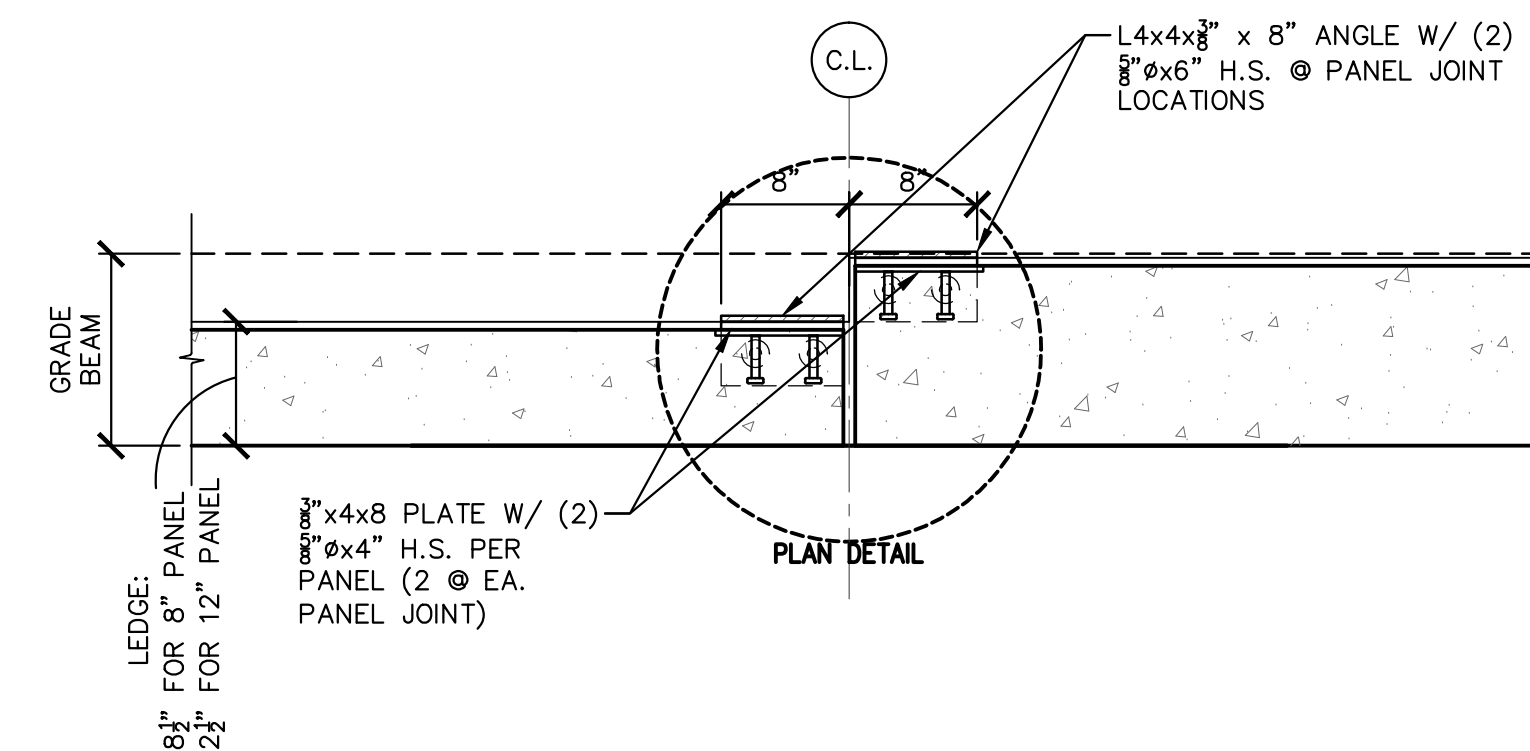
S605 TYP. PANEL TO PANEL CONNX. DETAILS
NTS



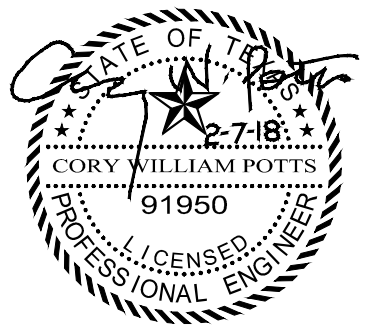
S605 TYP. PANEL TO PANEL CONNX. DETAILS
NTS



S606 PANEL CONNX DETAIL @ GRADE BEAM
1" = 1'-0"



S607 PANEL CONNX DETAIL @ GRADE BEAM
1" = 1'-0"



TILT WALL PANEL DETAILS

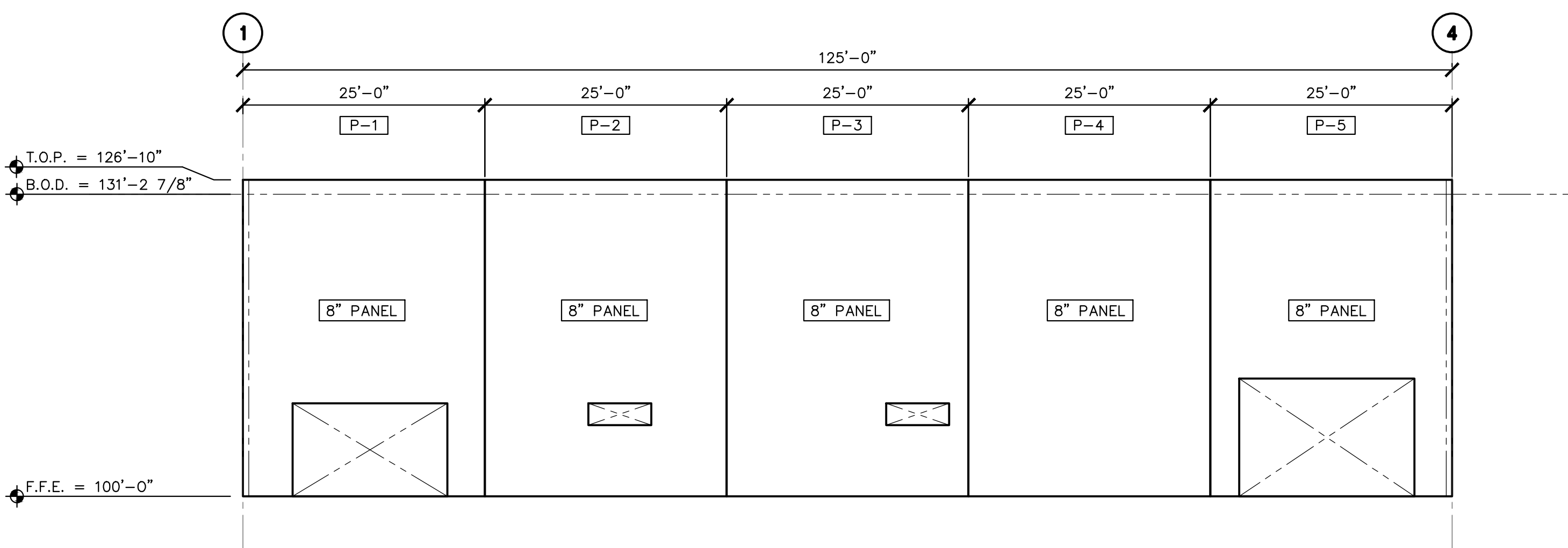
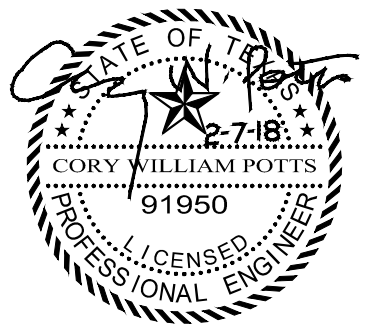
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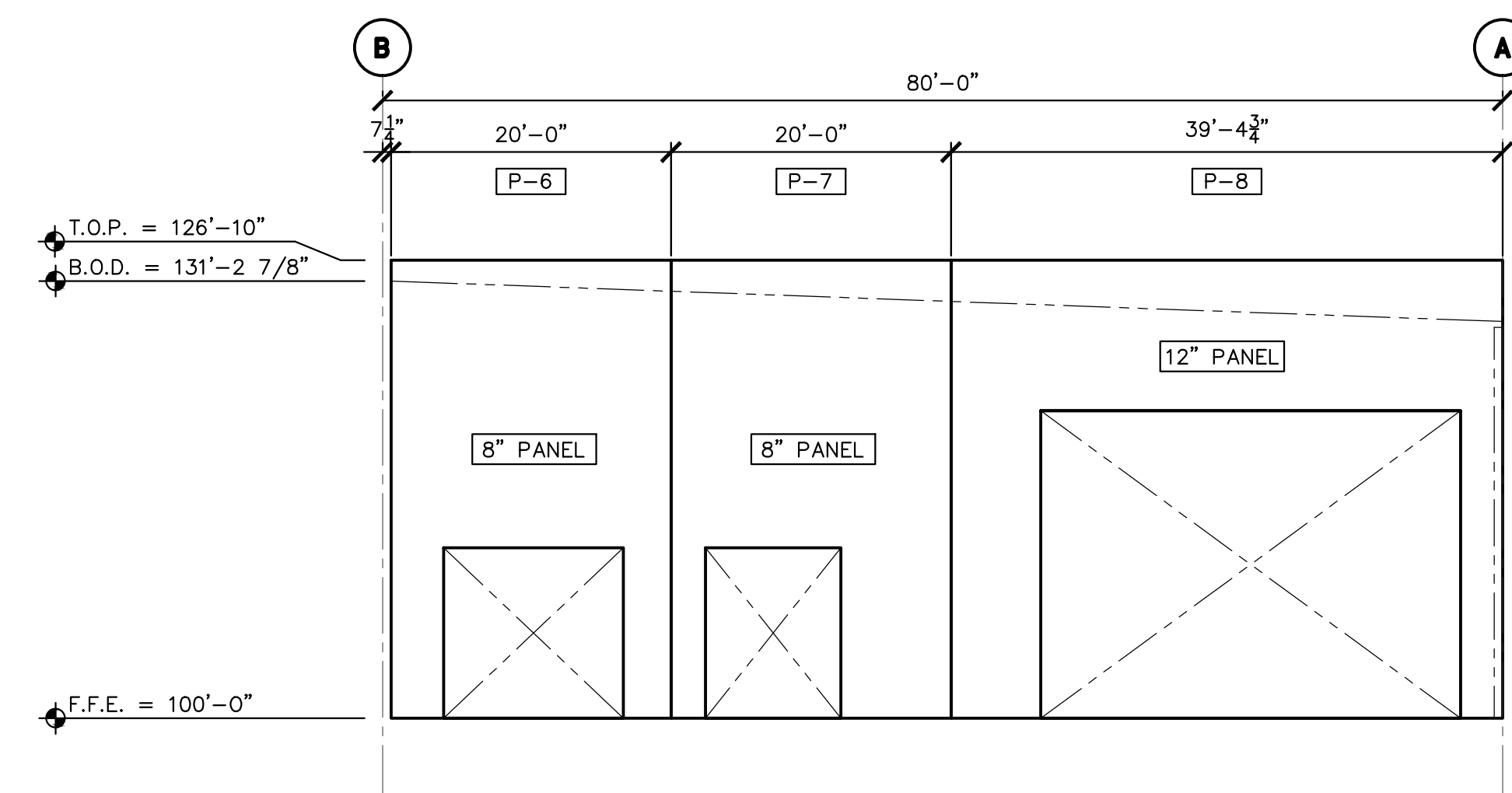
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S6

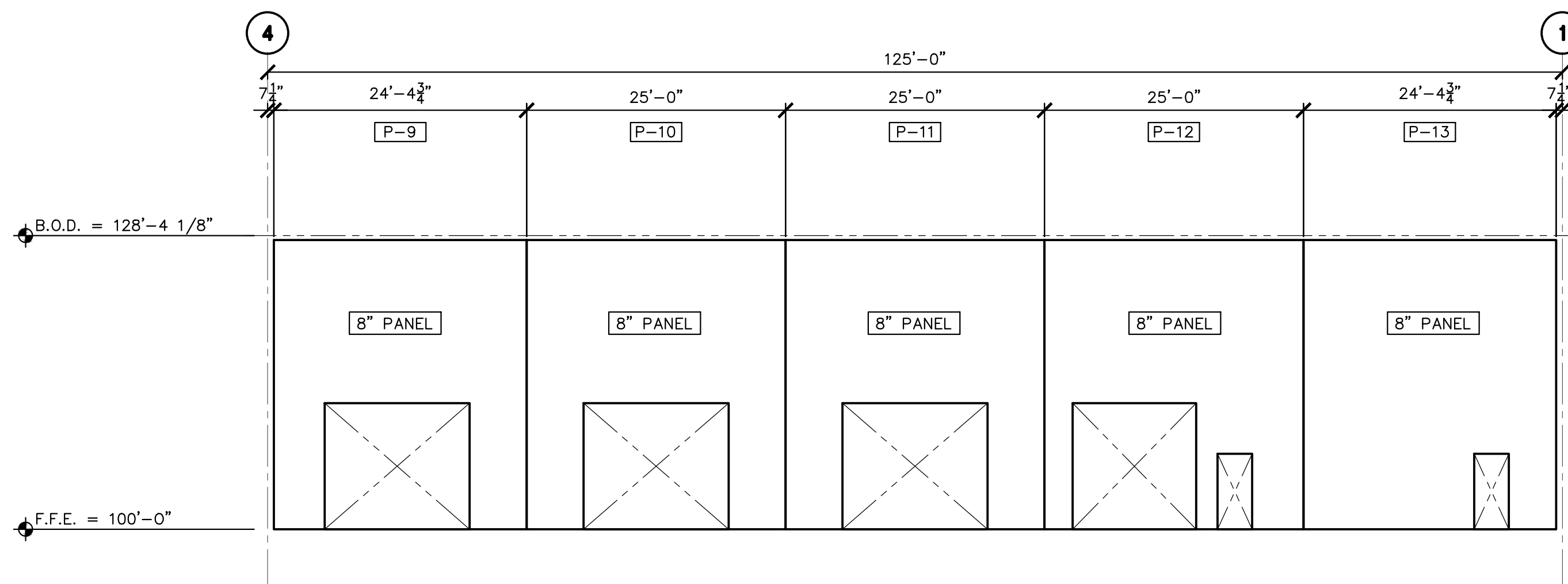
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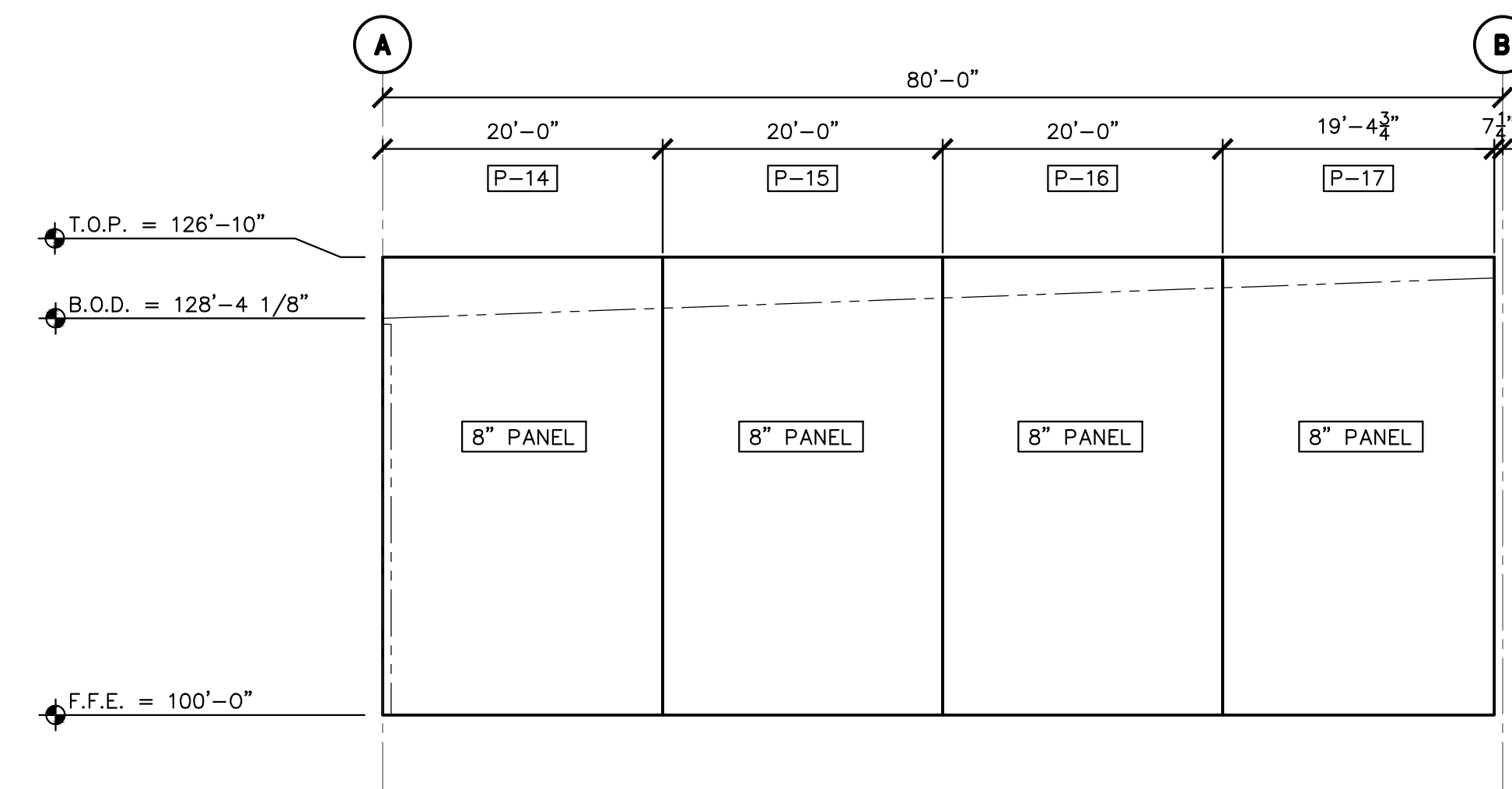
S701 EXTERIOR NORTH ELEVATION
 $3/32" = 1'-0"$



S702 EXTERIOR WEST ELEVATION
 $3/32" = 1'-0"$



S703 EXTERIOR SOUTH ELEVATION
 $3/32" = 1'-0"$



S704 EXTERIOR EAST ELEVATION
 $3/32" = 1'-0"$

D1 FITNESS
ALEDO RETAIL
 ALEDO, TEXAS

TILT WALL PANEL ELEVATIONS

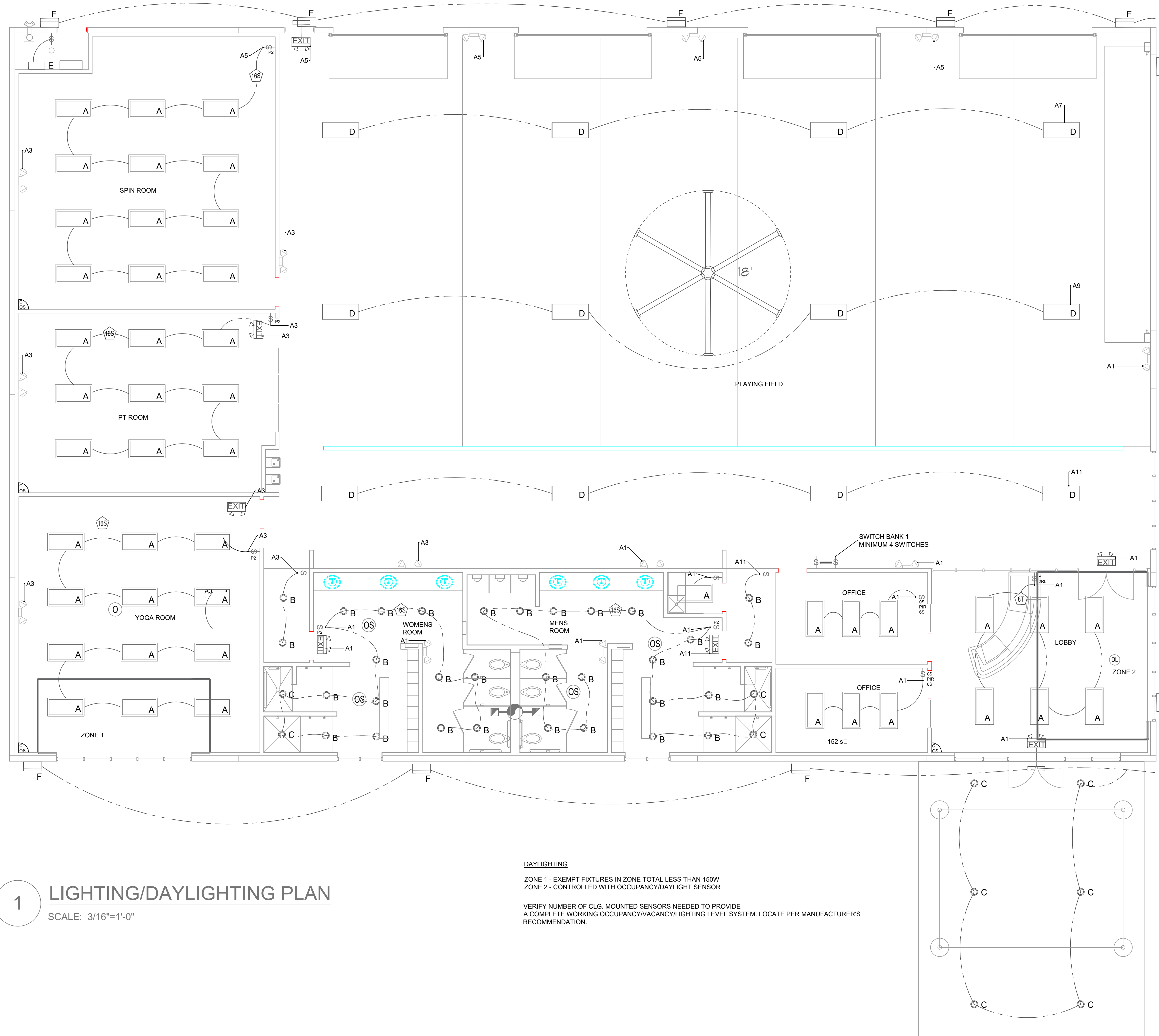
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 DATE: 8/7/2018 PROJ. NO.:

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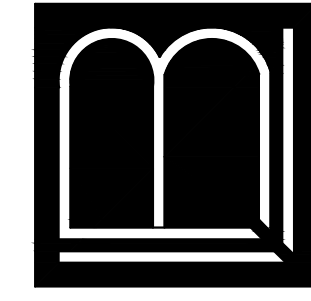
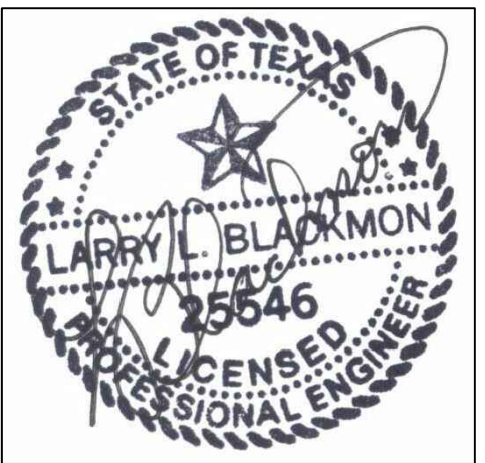
1 LIGHTING/DAYLIGHTING PLAN
SCALE: 3/16"=1'-0"

DAYLIGHTING
 ZONE 1 - EXEMPT FIXTURES IN ZONE TOTAL LESS THAN 150W
 ZONE 2 - CONTROLLED WITH OCCUPANCY/DAYLIGHT SENSOR
 VERIFY NUMBER OF CLG. MOUNTED SENSORS NEEDED TO PROVIDE
 A COMPLETE WORKING OCCUPANCY/VACANCY/LIGHTING LEVEL SYSTEM. LOCATE PER MANUFACTURER'S
 RECOMMENDATION.

LIGHTING FIXTURE LEGEND	
	SINGLE POLE SWITCH BY LUTRON
	MS-OP56M2-DV-WH SWITCH BY LUTRON
	PJ2-2BLR-GWH-L01 (CW-1-WH) SWITCH BY LUTRON
	PJN-2B-GWH-L01 (CW-1-WH) SWITCH BY LUTRON
	DLR2-DCRB-WH, DAYLIGHT SENSOR BY LUTRON
	OSR2-OCR2B-P OCCUPANCY SENSOR BY LUTRON
	OSR2-OKLB-P OCCUPANCY SENSOR BY LUTRON
	RMJS-16R-DV-B BY LUTRON
	RMJS-8T-DV-B BY LUTRON
	METALUX LED 2'X4' MODEL #24FP4740C, 40W, 4858 LUMENS. OR APPROVED EQUAL
	HALO H750ICAT 6", 1200 LUMENS, 17W OR APPROVED EQUAL
	HALO H750ICAT 6", 1200 LUMENS, 17W, WET LOCATION OR APPROVED EQUAL
	EATON LED HIGH BAY HBLEL-LDS-36SE-W-UNV-L850-ED3-U 224.5W, OR APPROVED EQUAL
	LUMARK XTOR8B WALL PAK, 8,502 LUMENS 81W, OR APPROVED EQUAL
	LUMARK WP WAL-PAK LED 3B 27W OR APPROVED EQUAL
	EATON APEL SERIES EMERGENCY FIXTURE LED WITH 90 MIN. BATTERY BACKUP.
	LED EXIT LIGHT WITH EMERGENCY SIDE LIGHTS COOPER / SURE-LITES
	LED EXIT LIGHT WITH EMERGENCY SIDE LIGHTS COOPER / SURE-LITES WITH REMOTE EGRESS LIGHTING

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2/8/2018

D1 FITNESS CENTER
 THE GROVES OF ALEDO



LIGHTING PLAN

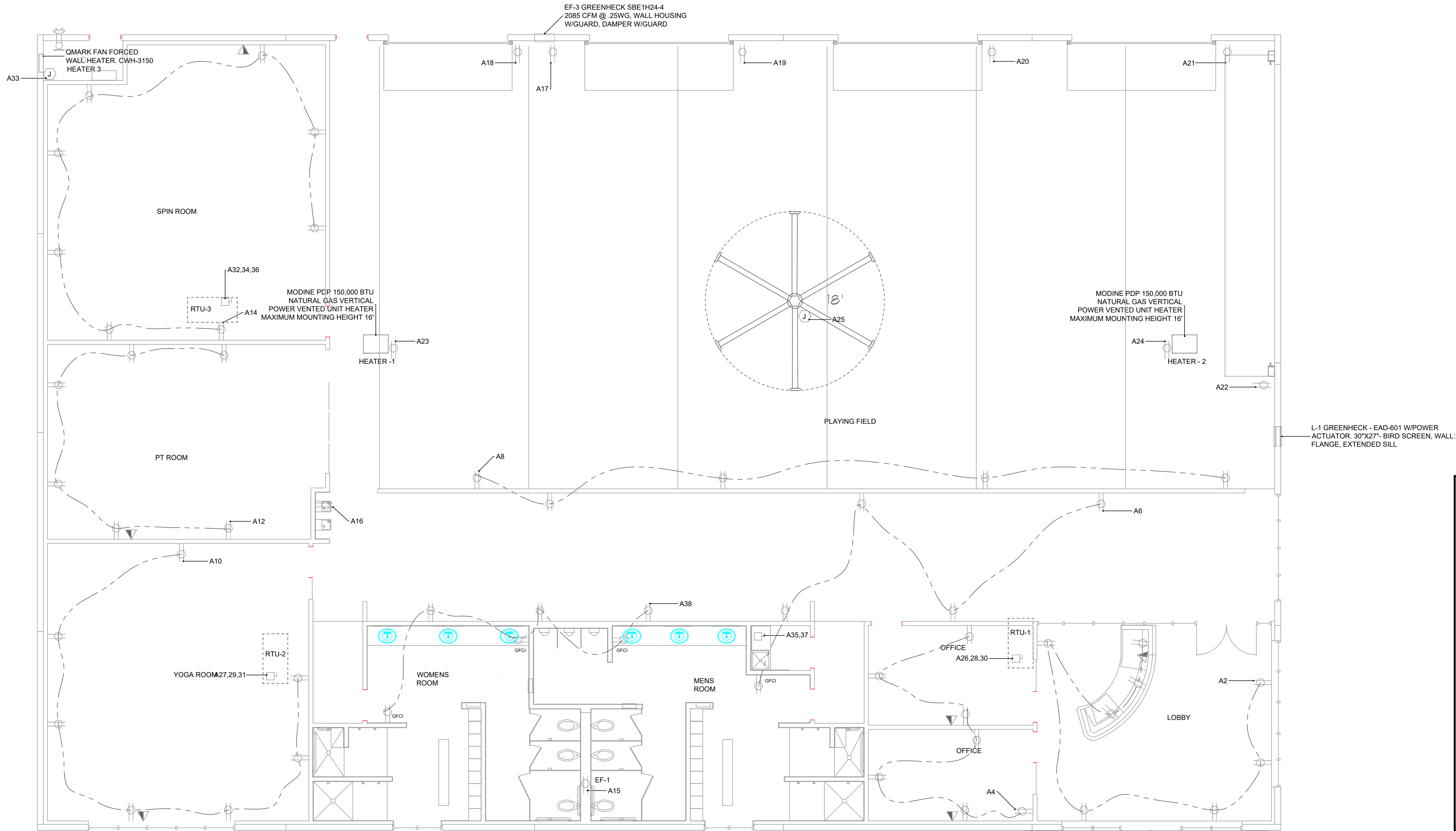
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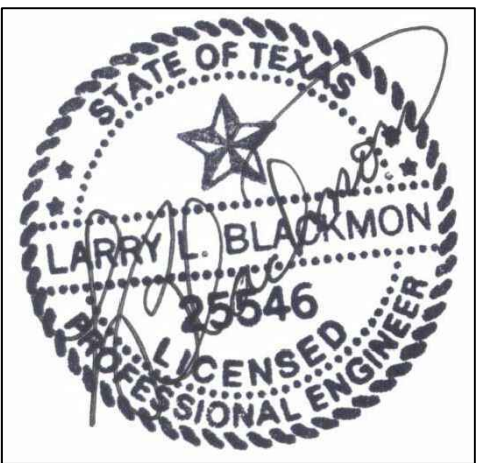
1 ELECTRICAL PLAN
SCALE: 3/16"=1'-0"

LIGHTING FIXTURE LEGEND	
	120V DUPLEX OUTLET
	120V DUPLEX GROUND FAULT INTERRUPTER OUTLET
	WEATHERPROOF GROUND FAULT INTERRUPTER 120V DUPLEX OUTLET
	JUNCTION BOX
	DISCONNECT
	PHONE/DATA RECEPTACLE (CAT-5(E)) SUPPLIED FOR DATA CABLES.

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D1 FITNESS CENTER
THE GROVES OF ALEDO

ALEDO, TEXAS



ELECTRICAL PLAN

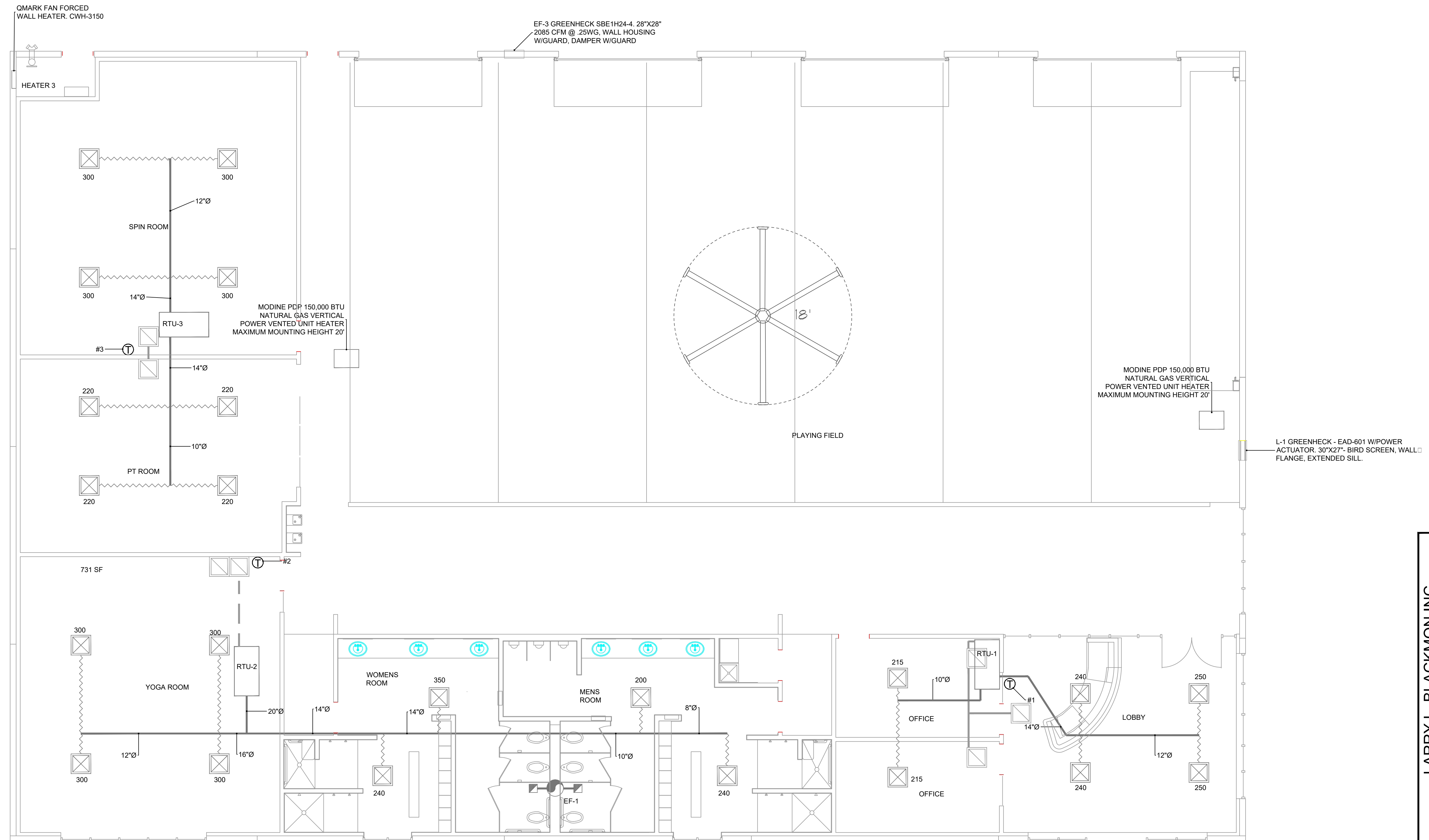
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DATE:	PROJ. NO:

SHEET NO.

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SHEET OF



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

FLEX DUCT SIZING CHART

DIA.	CFM
6"	65-75
7"	99-130
8"	131-180
9"	181-225
10"	226-350
12"	351-540
14"	541-780
16"	781-1050
18"	1051-1450
20"	1451-1750
22"	1751-2200
24"	2201-2800

- FACTORY AND FIELD INSTALLED OPTIONS**
1. CURB MOUNTED
 2. ECONOMIZER FOR ALL UNITS 2000 CFM OR LARGER
 3. HAILGUARD
 4. SMOKE DETECTOR SUPPLY AND/OR RETURN

PLAY FIELD - 5715 SF X 0.03 = 1715 CFM
HEAT @ 2.5 BTU/CF = 114,300 X 2.5 = 285,750 BTU
2 - 150,000 OR 3 - 100,000 BTU

L-1 - GREENHECK - EAD-601 W/POWER ACTUATOR
30"X27" - BIRD SCREEN, WALL FLANGE, EXTENDED SILL

HVAC UNITS											
UNIT NO.	NOM. COOLING (TONS)	MANUF.	MODEL	ORIENTATION	FLOW (CFM)	IEER	HEATING PERFORMANCE HEAT OUTPUT GAS	ELECTRICAL DATA			NET WT (LBS)
								VOLTAGE	MCA	MOCP	
RTU-1	4T	LENNOX	LGH048S4T	HORZ.	1600	15	65,000 BTU	120/208, 3PH	23	35	626 LBS.
RTU-2	6T	LENNOX	LGH072H4B	HORZ.	2400	13.5	65,000 BTU	120/208, 3PH	32	50	781 LBS.
RTU-3	5T	LENNOX	LGH060S4T	HORZ.	2000	15.5	65,000 BTU	120/208, 3PH	28	40	704 LBS.

ALL A/C UNITS 2000 CFM OR LARGER MUST HAVE ECONOMIZER.

EXHAUST FAN SCHEDULE

MARK	EF-1	EF-2
CFM	684	2085
V/ PHASE	120/ 1 PH	120/ 1 PH
WATTS	301	1000
CURB	NO	NO
MANUFACTURER	COOK	GREENHECK
MODEL	GC-72	SBE1H24-4

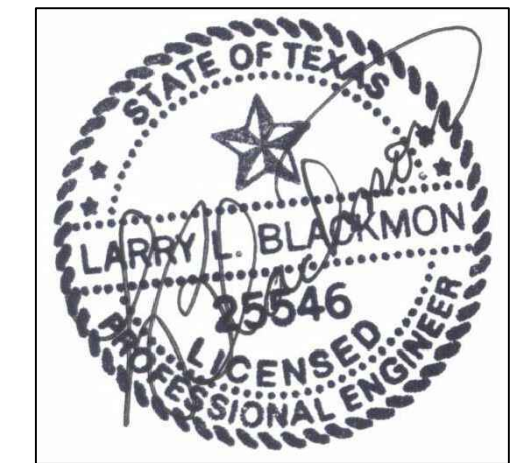
MECHANICAL LEGEND

	24"X24" TITUS TDC4 SUPPLY GRILLE
	24"X24" TITUS 300 SERIES RETURN GRILLE
	EXHAUST FAN (CFM PER SCHEDULE)
	DIGITAL PROGRAMABLE THERMOSTAT

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MECHANICAL PLAN

REVISIONS

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DATE: PROJ. NO:

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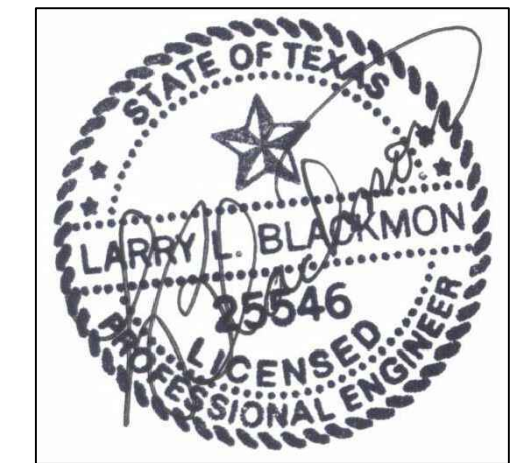
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ALEDO, TEXAS



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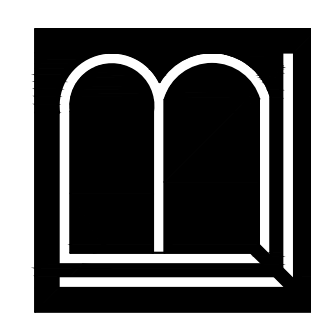
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D1 FITNESS CENTER
 THE GROVES OF ALEDO

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SEWER/GAS PLAN

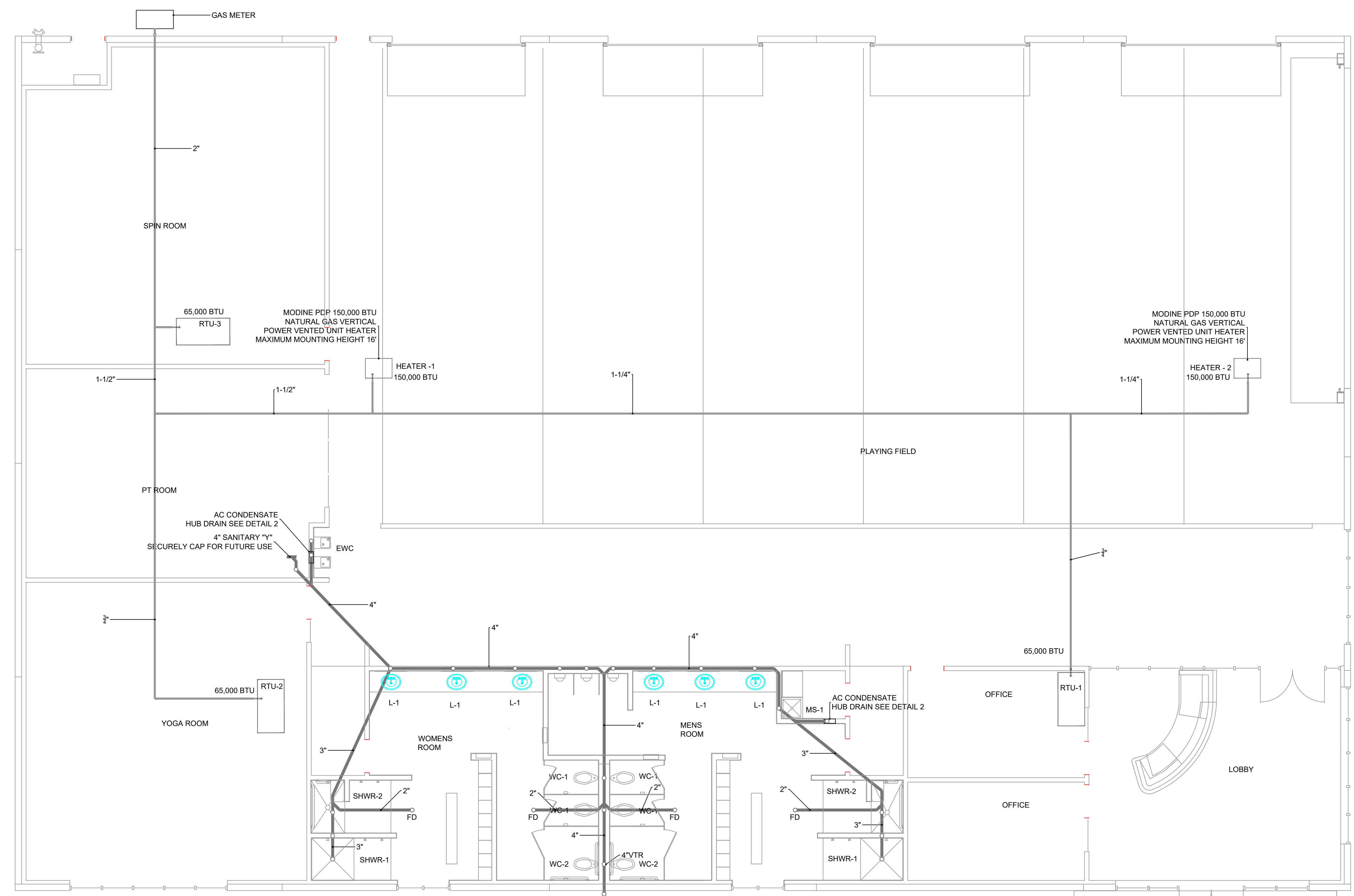
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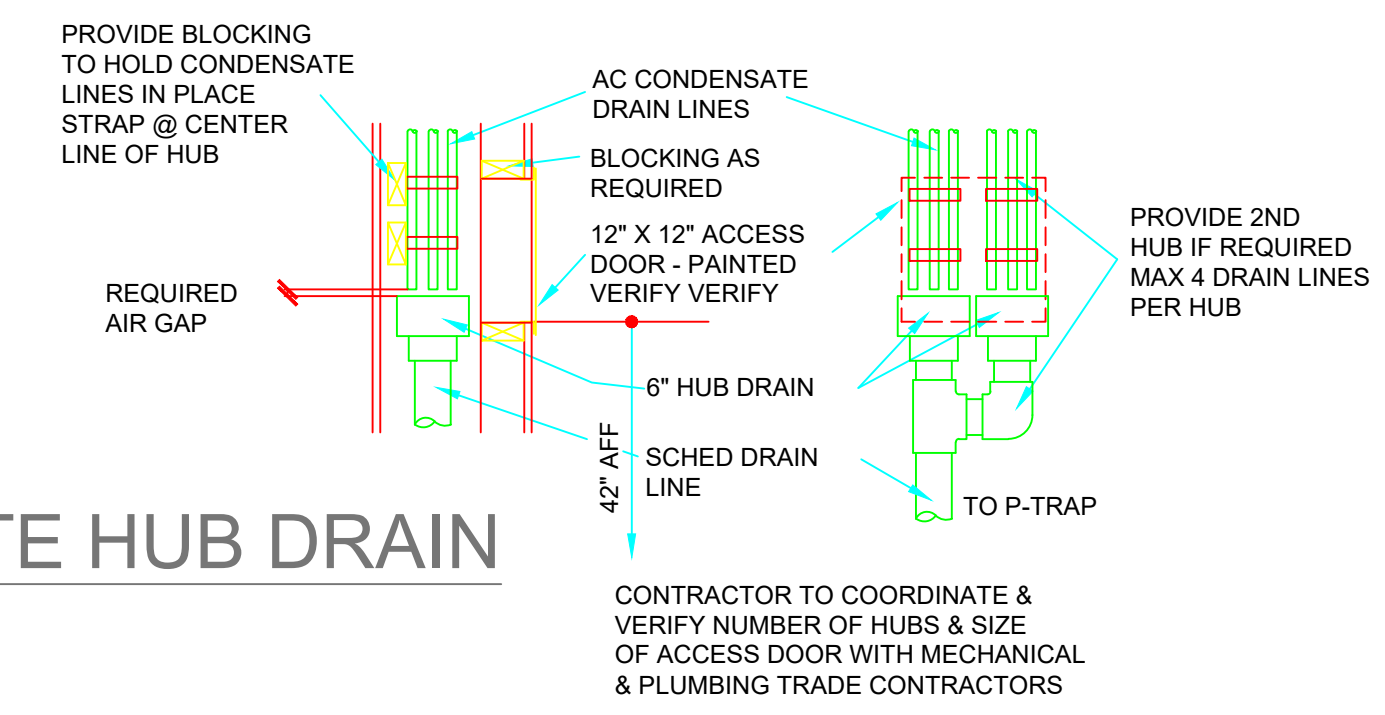
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1 SEWER/GAS PLAN
 SCALE: 3/16"=1'-0"

2 AC CONDENSATE HUB DRAIN
 SCALE: NTS



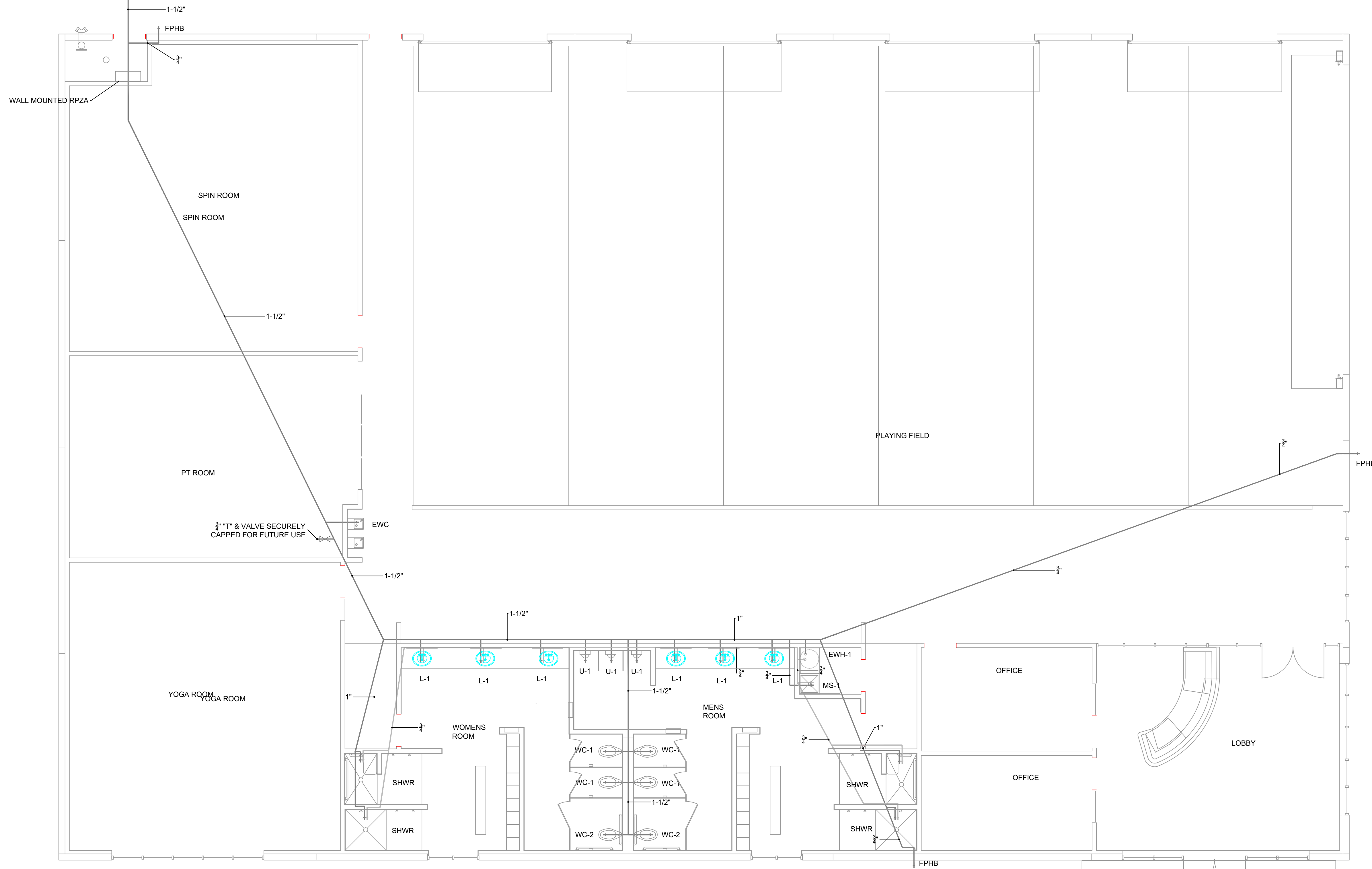
PLUMBING FIXTURES	
EW-1	80 GALLON ELECTRIC WATER HEATER MODEL MUST MEET EFFICIENCY REQUIREMENTS AND CONTAIN THERMOSTATIC TEMP. CONTROL. OR APPROVED EQUAL.
WC-1	AMERICAN STANDARD WHITE ELONGATED BOWL 3043.102, 111XL SLOAN REGAL FLUSH VALVE; 1955C BEMIS WHITE SEAT, 1.28 GPF. OR APPROVED EQUAL.
WC-2	AMERICAN STANDARD WHITE ELONGATED BOWL 3043.102, 111XL SLOAN REGAL FLUSH VALVE; 1955C BEMIS WHITE SEAT, 1.28 GPF HANDICAP APPROVED. OR APPROVED EQUAL.
L-1	AMERICAN STANDARD CADET OVAL COUNTERTOP LAVATORY 21"X17-5/8" OVAL, WHITE WELKAY FAUCET. HANDICAP PROTECTION, OR APPROVED EQUAL.
SHWR-1	AMERICAN STANDARD SINGLE CONTROL TRANSITIONAL SHOWER ONLY. #9026.501.295, #9026.501.002. OR APPROVED EQUAL.
SHWR-2	AMERICAN STANDARD ESTATE SHOWER TRIM KIT. ADA COMPLIANT. OR APPROVED EQUAL.
EWC	ELKAY TWO STATION WALL MOUNT WATER COOLER WITH 1-1/2" MCGUIRE P-TRAP, 175 LK STOP. OR APPROVED EQUAL.
MS-1	FIAT MSB-2424, 24" X 24" X 10" HIGH, MOLDED STONE W/WALL GUARDS, MOP SINK 830-AA SERVICE FAUCET W/ VAC. BREAK, 832-AA HOSE & HOSE BRACKET, 889-CC MOP HANGER, E77-AA VINYL BUMPER. OR APPROVED EQUAL.
U-1	AMERICAN STANDARD WASHBROOK URINAL FLUSH VALVE SLOAN ROYAL (TOP SPUD) OR APPROVED EQUAL.

GAS DEMAND		
RTU'S	@	195,000 BTU
HEATERS	@	300,000 BTU
TOTAL REQ'D	=	495,000 BTU

PLUMBING SYMBOL LEGEND	
	GREASE LINE
	GAS LINE

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1-1/2" DOMESTIC WATER LINE. TIE TO WATER METER

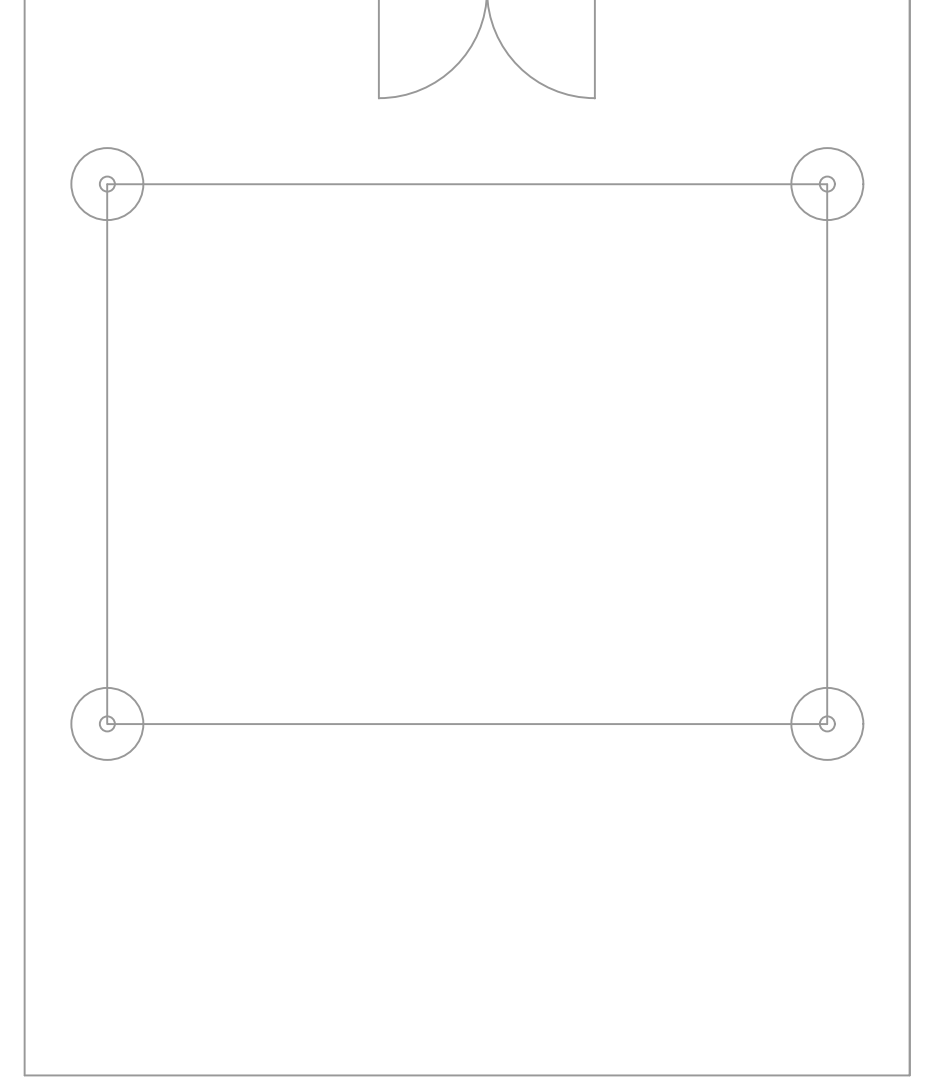


ALL HOSE BIBBS TO BE IN LOCK BOX WITH KEY

ALL INSTALLATIONS SHALL BE IN COMPLIANCE WITH ENVIRONMENTAL ORDINANCE #12274 ARTICLE V DIVISION 3 AND PLUMBING ORDINANCE #22521-12-2016. DOMESTIC, FIRE PROTECTION, AND IRRIGATION SERVICE CONNECTIONS. ORDINANCE 12274 SECTION 12 * 5-531. INSTALLATION REQUIREMENTS (a)(3) ASSEMBLIES SHALL BE INSTALLED AT THE POINT OF DELIVERY OF THE WATER SUPPLY, BEFORE ANY BRANCH IN THE LINE, AND ON PRIVATE PROPERTY LOCATED JUST INSIDE THE BOUNDARY OF THE CITY'S RIGHT-OF-WAY. AN INSPECTOR MAY SPECIFY OTHER AREAS FOR INSTALLATION OF THE ASSEMBLY. (4) THE ASSEMBLY SHALL BE PROTECTED FROM FREEZING AND OTHER SEVERE WEATHER CONDITIONS. REQUIRED MAIN LINE DOMESTIC MINIMUM...REDUCED PRESSURE ZONE ASSEMBLY (RPZA)

(RPZA) AND BACKFLOW PREVENTION. THE ASSEMBLY SHALL BE PROTECTED FROM FREEZING AND OTHER SEVERE WEATHER CONDITIONS.

PLUMBING FIXTURES	
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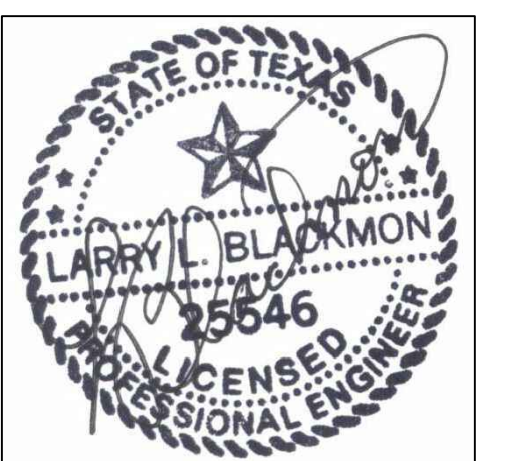
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1 WATER PLAN
SCALE: 3/16"=1'-0"

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2/8/2018

D1 FITNESS CENTER
THE GROVES OF ALEDO

ALEDO, TEXAS



WATER PLAN

REVISIONS

DRAWN BY: DLP PROJ. MGR.: LLB
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