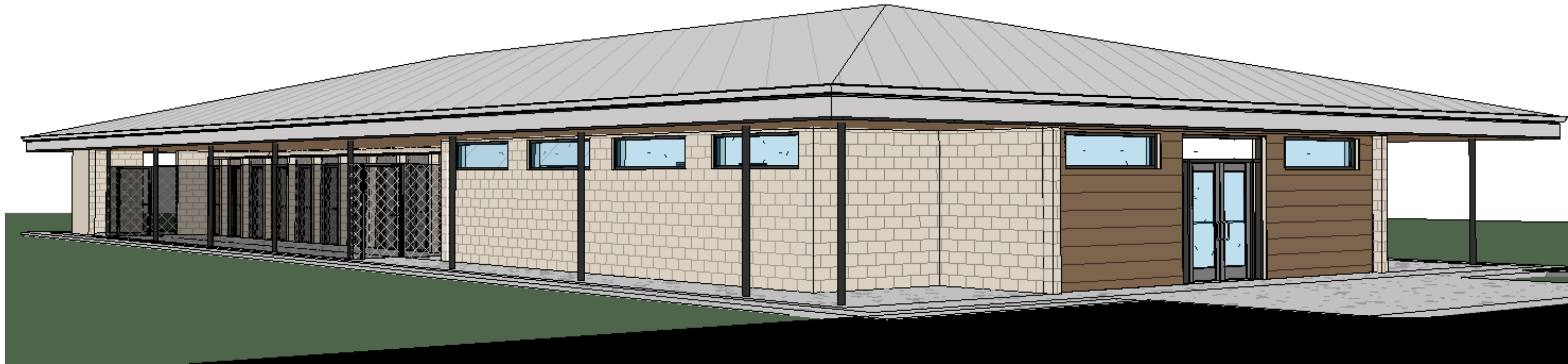


Department of Public Safety

Williamson County Canine Training Facility

810 County Road 240 Florence, TX
76527



TFC Project #22-016-2540

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11902 Burnet Road, Suite 100
Austin, TX 78727
512.676.2100

GENERAL

G-011	Symbols, Legends & Abbreviations
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G-022	Accessibility Standards
G-023	Accessibility Standards
G-024	Accessibility Standards
G-025	Accessibility Standards
G-101	Life Safety Information

CIVIL

C-102	Existing Conditions
CD101	Demolition Plan
CE101	Erosion Control Plan
CE501	Erosion Control Details
CG101	Grading Plan
CS101	Site Plan
CS501	Site Plan Details
CU101	Overall Utility Plan
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CU501	Utility Details
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Structural

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S-002	Abbreviations
S-003	Typical Foundation Details
S-004	Typical Framing Details
S-005	Typical Masonry Details
S-006	Typical Masonry Details
S-111	Foundation Plan
S-121	Framing Plan - Roof
S-511	Framing Details

ARCHITECTURAL

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A-002	Interior Partition Schedule
A-003	Interior Partition Schedule
A-111	First Floor Plan - Annotated
A-112	First Floor Plan - Dimensioned
A-113	Room Data Sheet - Locker Room & Restroom
A-114	Room Data Sheet - Exam Room
A-115	Room Data Sheet - Isolation and Bathing Rooms
A-116	Room Data Sheet - Office Room
A-117	Room Data Sheet - Break Room
A-118	Room Data Sheet - Squad Room
A-119	Room Data Sheet - Kennel
A-131	Reflected Ceiling Plan - Overall Floor Plan
A-141	Roof Plan
A-201	Exterior Elevations
A-211	Interior Elevations
A-301	Building Sections
A-311	Wall Sections
A-312	Wall Sections
A-420	Millwork
A-501	Details
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A-601	Door & Glazing Schedule
A-605	Aluminum Frame Schedule

INTERIOR

I-001	Interior Legends & Abbreviations
I-111	Floor Finish Plans - First Floor
I-121	Wall Finish Plan - First Floor
I-131	Furniture Plan - First Floor
I-141	Signage Plan- First Floor

PLUMBING

P-001	Plumbing Symbols, Legends & Abbreviations
P-111	Plumbing Plan
P-601	Plumbing Schedules

MECHANICAL

M-001	Mechanical Symbols, Legends & Abbreviations
M-111	Mechanical Plan
M-601	Mechanical Schedules

ELECTRICAL

E-001	Electrical Symbols, Legends & Abbreviations
E-100	Electrical Site Plan
E-111	Lighting & Power/Comms Plan
E-121	Mechanical Power & Fire Alarm Plan
E-501	Electrical Riser Diagram and Details
E-601	Electrical Schedules

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Cover Sheet

G-001

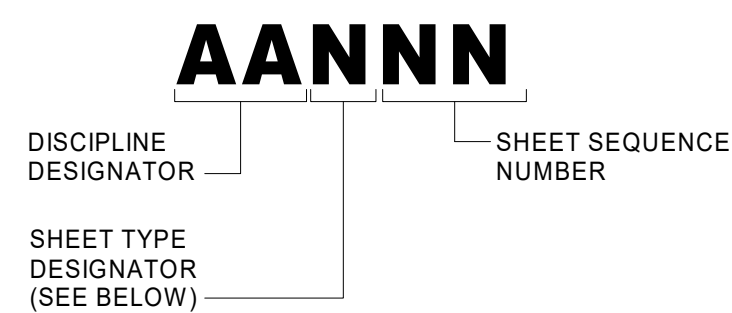
ABBREVIATIONS

ACC	ACCESSIBLE	H	HARDWARE
AB	ANCHOR BOLT	HDBD	HARDBOARD
ACI	AMERICAN CONCRETE INSTITUTE	HDWD	HARDWOOD
AD	AREA DRAIN	HDW	HARDWARE
ADA	AMERICANS WITH DISABILITIES ACT	HEX	HEXAGON(IAL)
ADDL	ADDITIONAL	HM	HOLLOW METAL
ADJ	ADJUSTABLE	HORIZ	HORIZONTAL
ADDM	ADDENDUM	HP	HEAT PUMP
AFF	ABOVE FINISH FLOOR	HS	HIGH STRENGTH
AHU	AIR HANDLING UNIT	HT	HEIGHT
AIA	AMERICAN INSTITUTE OF ARCHITECTS	HVAC	HEATING VENTILATION AND AIR CONDITIONING
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION		
ALT	ALTERNATE	I	MOMENT OF INERTIA
ALUM	ALUMINUM	IBC	INTERNATIONAL BUILDING CODE
ANOD	ANODIZED	ID	INSIDE DIAMETER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	IF	INSIDE FACE
APA	AMERICAN PLYWOOD ASSOCIATION	INCL	INCLUDE(D)(ING)(S)(IVE)
APPROX	APPROXIMATE	INS	INSULATION
ARCH	ARCHITECT	INT	INTERIOR
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	INV	INVERT(ED)
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS		
AUTO	AUTOMATIC	J	
AVG	AVERAGE	JAN	JANITOR
AWG	AMERICAN WIRE GAGE		
AWS	AMERICAN WELDING SOCIETY	K	NOT USED
A/C	AIR CONDITIONING		
		L	
B	BALANCE	I	LITER
BAL	BALANCE	L	ANGLE
BC	BACK OF CURB	LB	POUND
BIA	BRICK INSTITUTE OF AMERICA	LH	LEFT HAND
BITUM	BITUMINOUS	LL	LIVE LOAD
BL	BUILDING LINE	LLH	LONG LEG HORIZONTAL
BLDG	BUILDING	LLV	LONG LEG VERTICAL
BM	BENCHMARK	LT	LIGHT
BOCA	BUILDING OFFICIALS AND CODE ADMINISTRATORS	LT WT	LIGHT WEIGHT
INTERNATIONAL	INC.		
BOX	BOTTOM OF STEEL	M	
BOT	BOTTOM (BOTTOM FACE, LAYER, SIDE)	MAU	MAKE UP AIR UNIT(S)
B PL	BASE PLATE	m	METER(S)
BRDG	BRIDGING	MATL	MATERIAL
BRG	BEARING	MAX	MAXIMUM
BTWN	BETWEEN	MB	MACHINE BOLT
BUR	BUILT-UP ROOFING	MCJ	MASONRY CONTROL JOINT
		MECH	MECHANICAL
C	AMERICAN STANDARD CHANNEL (STRUCTURAL SHAPE)	MFG	MANUFACTURING
C		MFR	MANUFACTURER
CU FT	CUBIC FOOT	MIL STD	MILITARY STANDARD
CF/CI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED	MIN	MINIMUM
CF/OI	CONTRACTOR FURNISHED/OWNER INSTALLED	MISC	MISCELLANEOUS
CG	CORNER GUARD	mm	MILLIMETER
CI	CAST IRON	MO	MASONRY OPENING
CIR	CIRCLE	MOD	MODIFY
CIRC	CIRCULAR	MT	METAL THRESHOLD
CJ	CONTROL JOINT	MTL	METAL
CL	CENTER LINE	MLWK	MILLWORK
CLG	CEILING		
cm	CENTIMETER	N	
CMU	CONCRETE MASONRY UNIT	N	NORTH
COL	COLUMN	NA	NOT APPLICABLE
CONC	CONCRETE	NAT	NATURAL
CONN	CONNECT	NBS	NATIONAL BUREAU OF STANDARDS
CONSTR	CONSTRUCTION	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CONT	CONTINUE	NIC	NOT IN CONTRACT
CONTR	CONTRACTOR	NOM	NOMINAL
CRCMF	CIRCUMFERENCE	NRC	NOISE REDUCTION COEFFICIENT
CSK	COUNTER SUNK	NS	NEAR SIDE (FACE)
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE	NTS	NOT TO SCALE
D	DEPTH	O	
D	DATUM	OC	ON CENTER
DAT	DATUM	OD	OUTSIDE DIAMETER
DBL	DOUBLE	OF	OUTSIDE FACE
DDS	DOUBLE DISPLAY STRIP	OFD	OVERFLOW DRAIN
DEG	DEGREE	O/CI	OWNER FURNISHED/CONTRACTOR INSTALLED
DEMO	DEMOLISH	O/OI	OWNER FURNISHED/OWNER INSTALLED
DET	DETAIL	OH DR	OVERHEAD DOOR
DF	DRINKING FOUNTAIN	OPNG	OPENING
DIA	DIAMETER	OPH	OPPOSITE HAND
DIAG	DIAGONAL	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
DIM	DIMENSION	Oz	OUNCE
DIV	DIVIDE		
DLD	DEAD LOAD	P	
DS	DOWNSPOUT	PAR	PARALLEL
DWG	DRAWING	PCA	PORTLAND CEMENT ASSOCIATION
		PCF	POUNDS PER CUBIC FOOT
E	EAST, MODULUS OF ELASTICITY	PCI	PRESTRESSED CONCRETE INSTITUTE
E	EACH	PERF	PERFORATED(D)
EA	EACH	PERP	PERPENDICULAR
EF	EACH FACE, EXTERIOR FINISH	PL	PROPERTY LINE
EIFS	EXTERIOR INSULATION FINISH SYSTEM	PLAM	PLASTIC LAMINATE
EJ	EXPANSION JOINT	PLF	POUNDS PER LINEAL FOOT
EL	ELEVATION	PR	PAIR
ELEC	ELECTRIC, ELECTRICAL	PREFAB	PREFABRICATE
ELEV	ELEVATOR	PREFIN	PREFINISH
ENGR	ENGINEER	PRELIM	PRELIMINARY
EQ	EQUAL	PROJ	PROJECT
EQUIP	EQUIPMENT	PSF	POUNDS PER SQUARE FOOT
EW	EACH WAY	PSI	POUNDS PER SQUARE INCH
EWC	ELECTRIC WATER COOLER	PBD	PARTICLE BOARD
EXIST	EXISTING	PTD	PAPER TOWEL DISPENSER
EXP	EXPANSION	PTDWR	PAPER TOWEL DISPENSER & WASTER RECEPTACLE
EXP BT	EXPANSION BOLT	PVC	POLYVINYL CHLORIDE
EXT	EXTERIOR	PLYWD	PLYWOOD
		PVG	PAVING
F	FLOOR DRAIN	Q	
FD	FLOOR DRAIN	QC	QUALITY CONTROL
FDTN	FOUNDATION	QTY	QUANTITY
FEB	FIRE EXTINGUISHER & BRACKET		
FEC	FIRE EXTINGUISHER & CABINET	R	
FF EL	FINISH FLOOR ELEVATION	R	RADIUS
FIN FLR	FINISH FLOOR	RCP	REFLECTED CEILING PLAN
FIN	FINISHED(D)	RD	ROOF DRAIN
FOC	FACE OF CONCRETE, FACE OF CURB	REF	REFERENCE
FOF	FACE OF FINISH	REFL	REFLECT
FOM	FACE OF MASONRY	REINF	REINFORCE
FOS	FACE OF STUD	REQD	REQUIRED
FOW	FACE OF WALL	REV	REVISION
FRTW	FIRE RETARDANT TREATED WOOD	RH	RIGHT HAND(ED)
FS	FAR SIDE (FACE, LAYER)	RO	ROUGH OPENING
FT	FOOT	ROW	RIGHT OF WAY
FTG	FOOTING	RTU	ROOF TOP UNIT
FURG	FURRING		
G	GAGE		
GA	GAGE		
GALV	GALVANIZED		
GC	GENERAL CONTRACTOR		
GFCI	GROUND FAULT CIRCUIT INTERRUPTER		
GOVT	GOVERNMENT		
GYP BD	GYPSUM BOARD		
GYP	GYPSUM		

GENERAL DRAWING LEGEND

[illegible]

SHEET IDENTIFICATION FORMAT



SHEET TYPE DESIGNATORS

- | | |
|---|--|
| 0 | GENERAL (COVER SHEETS, INDEX, SYMBOLS LEGEND, NOTES, ETC.) |
| 1 | PLANS (HORIZONTAL VIEWS) |
| 2 | ELEVATIONS (VERTICAL VIEWS) |
| 3 | SECTIONS (SECTIONAL VIEWS) |
| 4 | LARGE SCALE VIEWS (ENLARGED PLANS, ELEVATIONS, OR SECTIONS THAT ARE NOT DETAILS) |
| 5 | DETAILS |
| 6 | SCHEDULES AND DIAGRAMS |
| 7 | USER DEFINED (FOR TYPES THAT DO NOT FALL IN OTHER CATEGORIES) |
| 8 | USER DEFINED (FOR TYPES THAT DO NOT FALL IN OTHER CATEGORIES) |
| 9 | 3D REPRESENTATIONS (ISOMETRICS, PERSPECTIVES, PHOTOGRAPHS) |



Williamson County Canine Training Facility

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76527

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Symbols, Legends & Abbreviations

G-011

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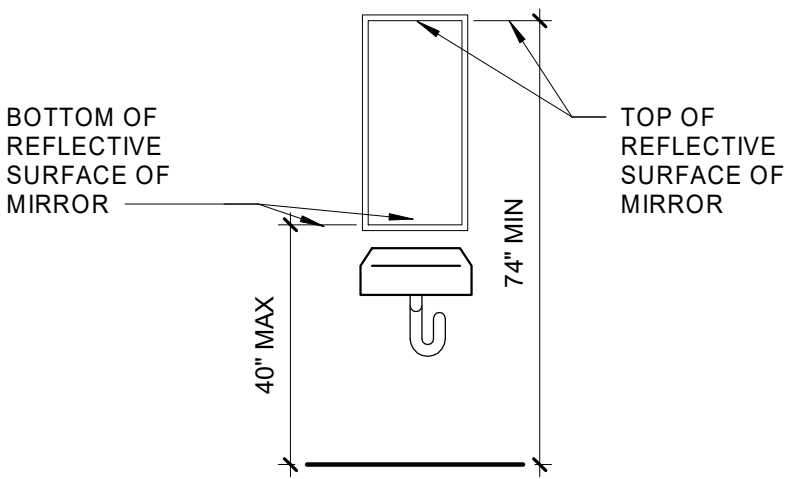
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42058.23

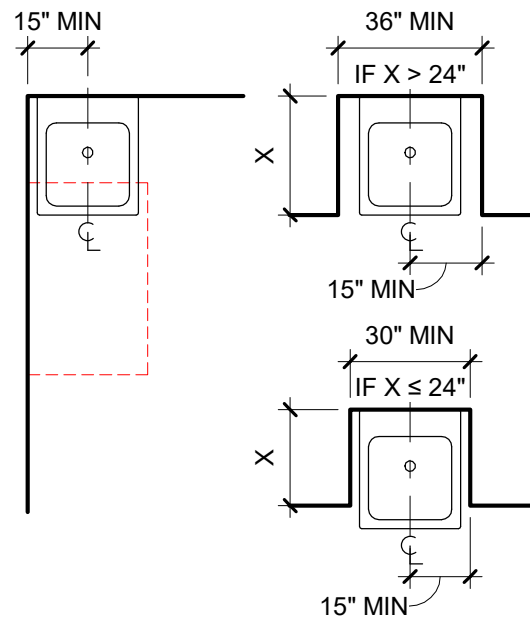
10/10/2025 Construction Documents
DATE DESCRIPTION

Accessibility Standards

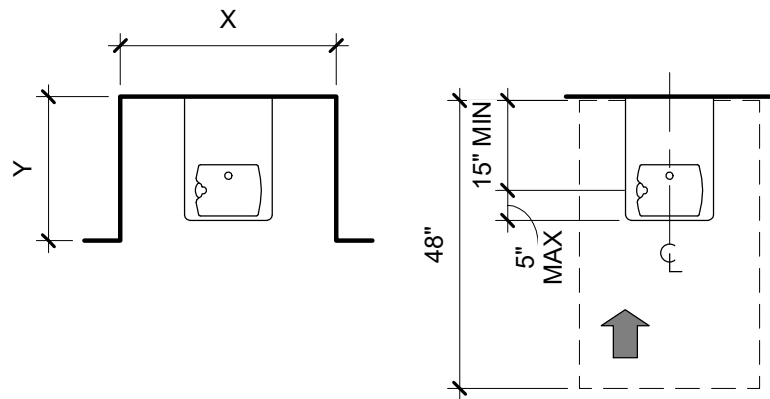
G-021



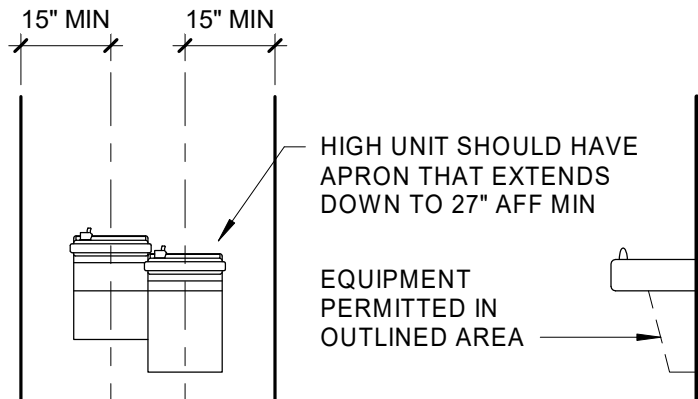
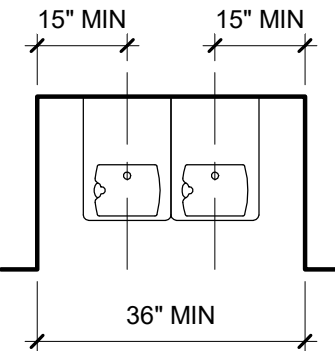
REFLECTIVE SURFACES



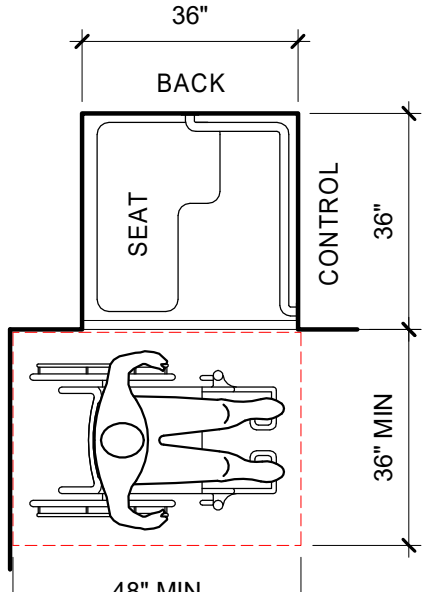
LAVATORIES



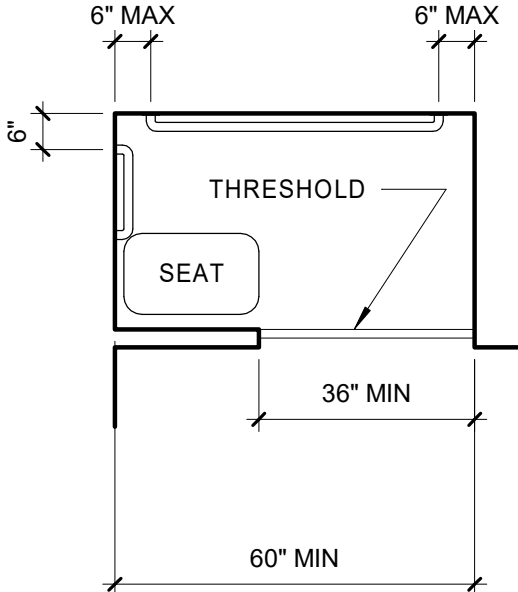
NOTE: X = 36" MIN IF Y > 24"
X = 30" MIN IF Y < 24"



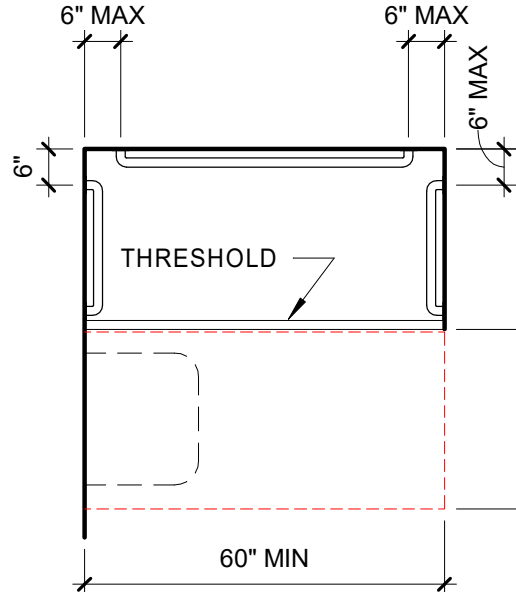
NOTE: REFER TO KNEE AND TOE CLEARANCE GRAPHICS



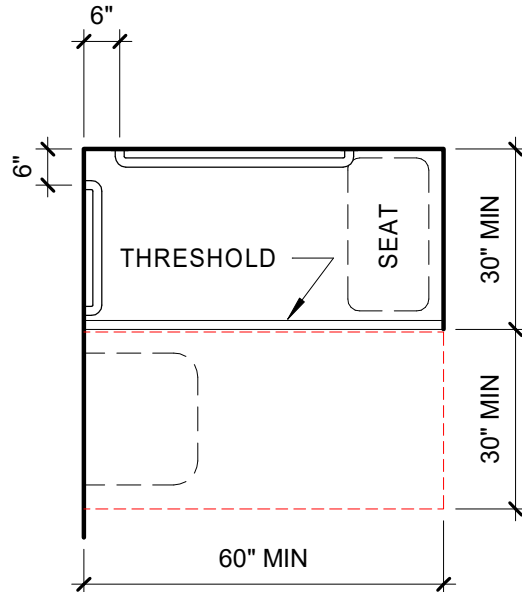
TRANSFER SHOWER



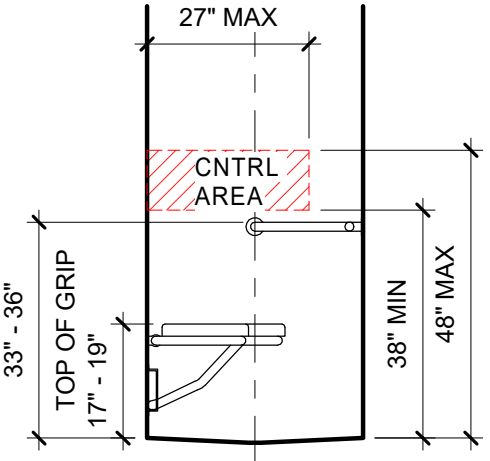
ALTERNATE ROLL-IN SHOWER W/ SEAT



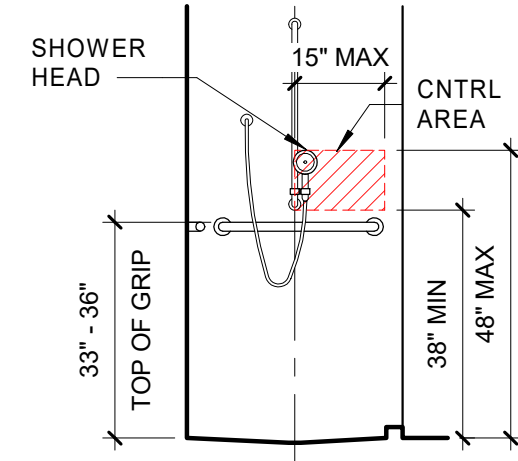
ROLL-IN SHOWER



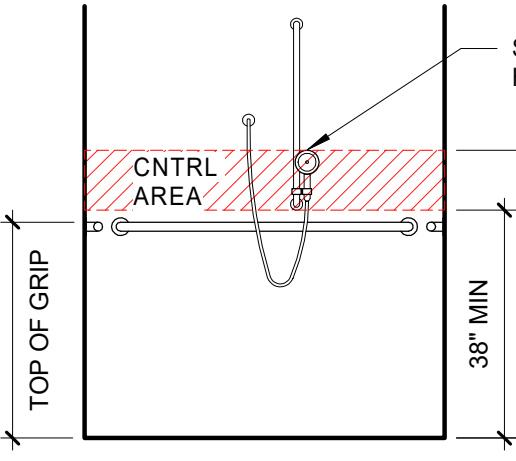
ROLL-IN SHOWER W/ SEAT



CONTROL WALL W/ SEAT

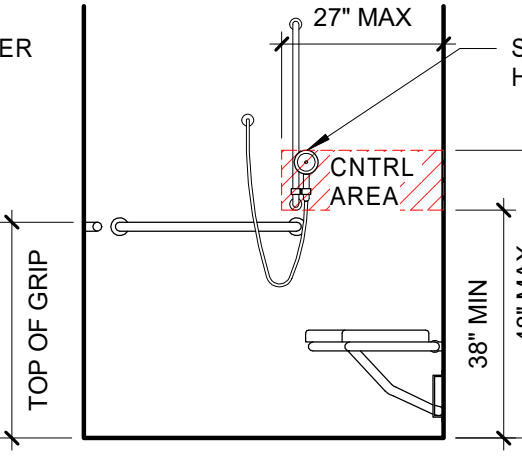


NOTE: LOCATE SHOWER HEAD WITHIN CNTRL AREA



CONTROL WALL W/O SEAT

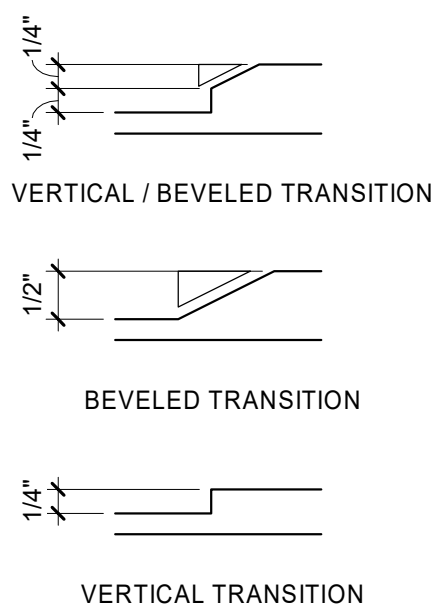
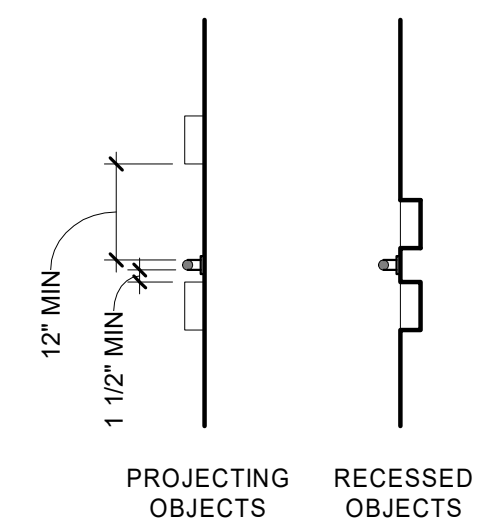
NOTE: LOCATE SHOWER HEAD WITHIN CNTRL AREA



CONTROL WALL W/ SEAT

NOTE: LOCATE SHOWER HEAD WITHIN CNTRL AREA

EWC/DRINKING FOUNTAINS

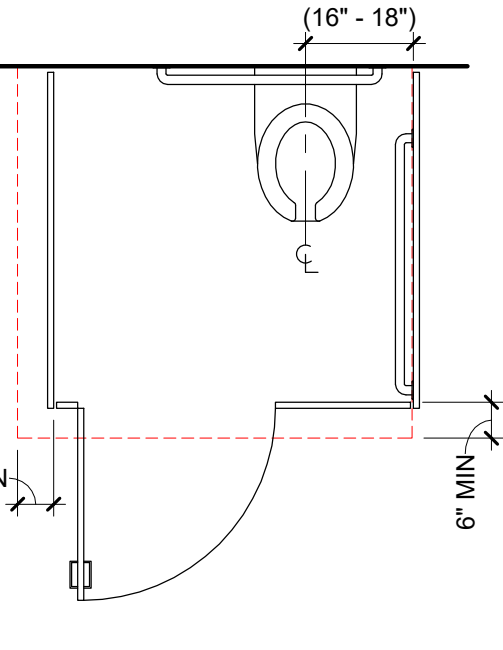


GRAB BAR SPACING

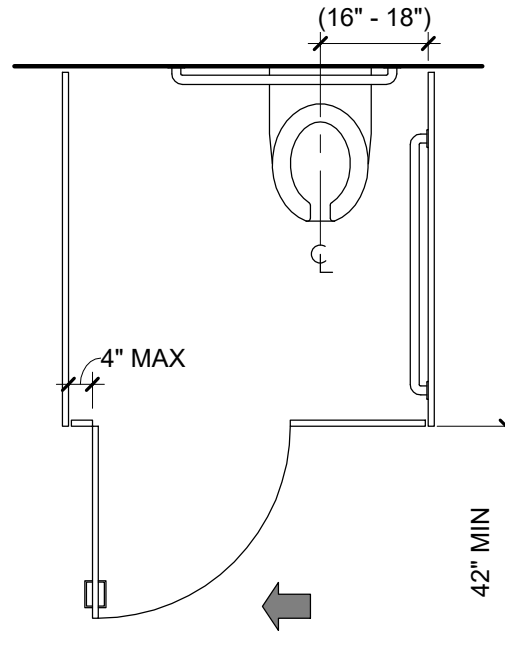
CHANGES IN LEVEL

TYPICAL TOILET STALLS

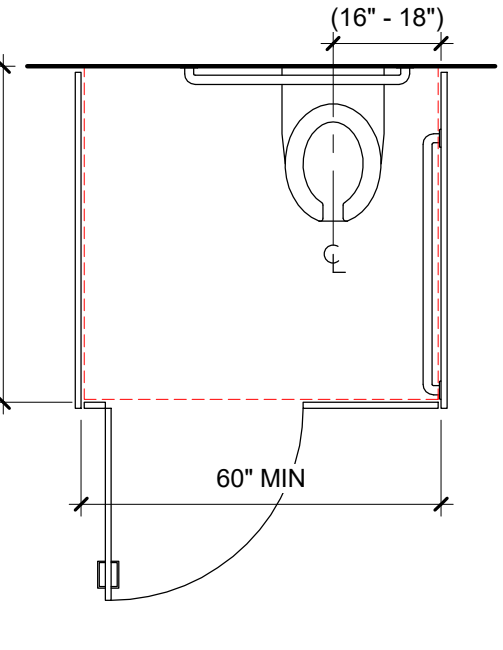
SHOWERS



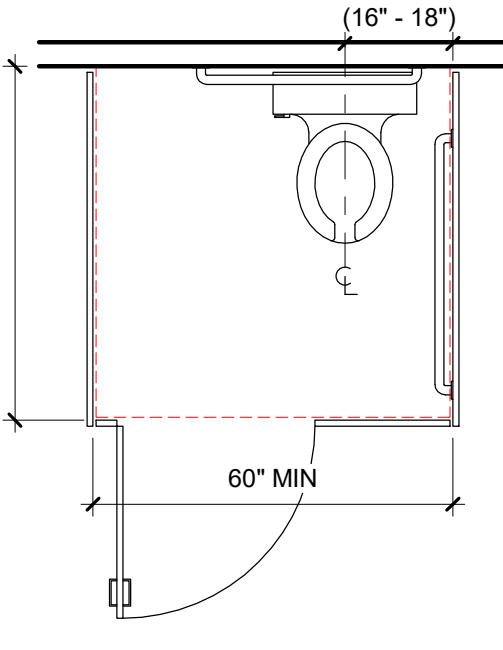
TOE CLEARANCE



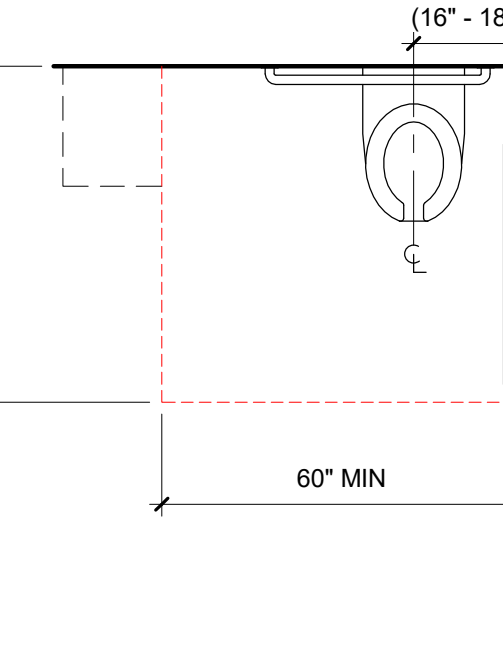
SIDE APPROACH



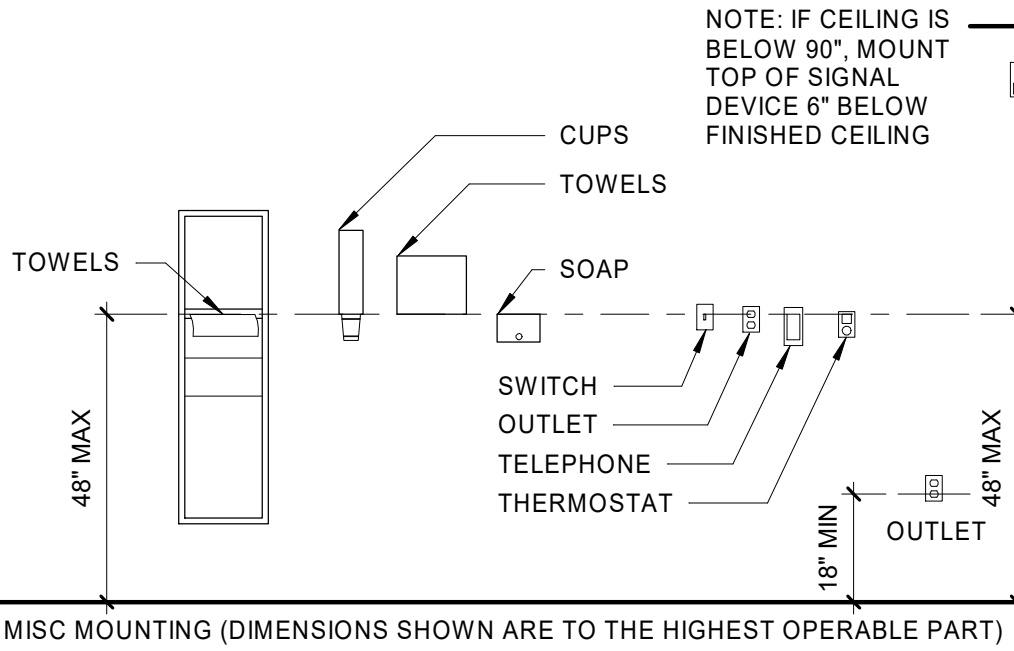
WALL HUNG WATER CLOSET



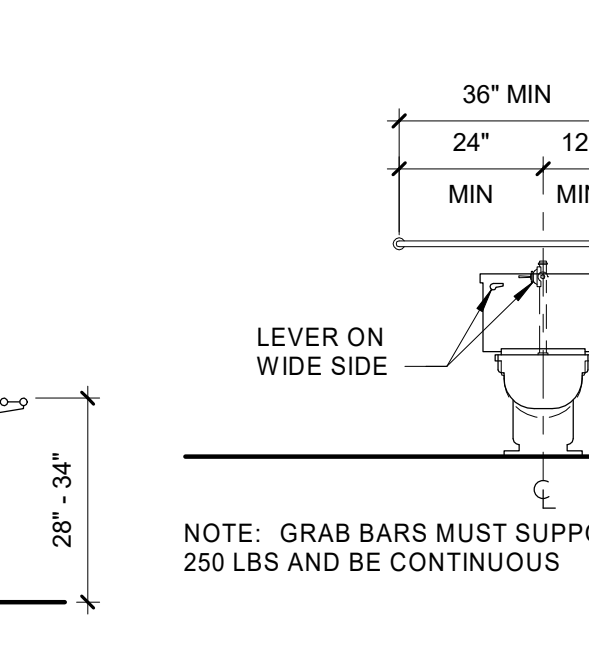
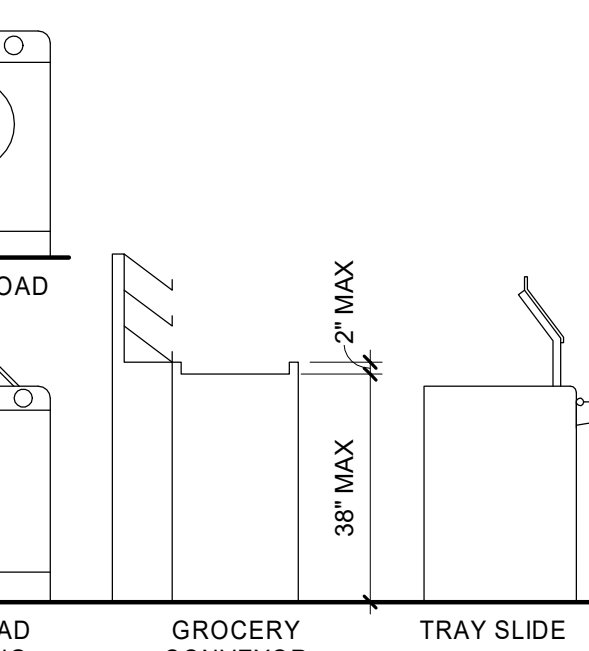
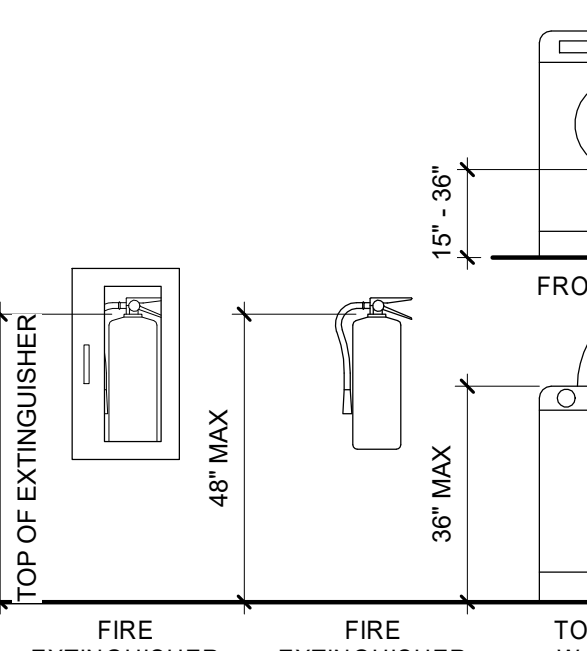
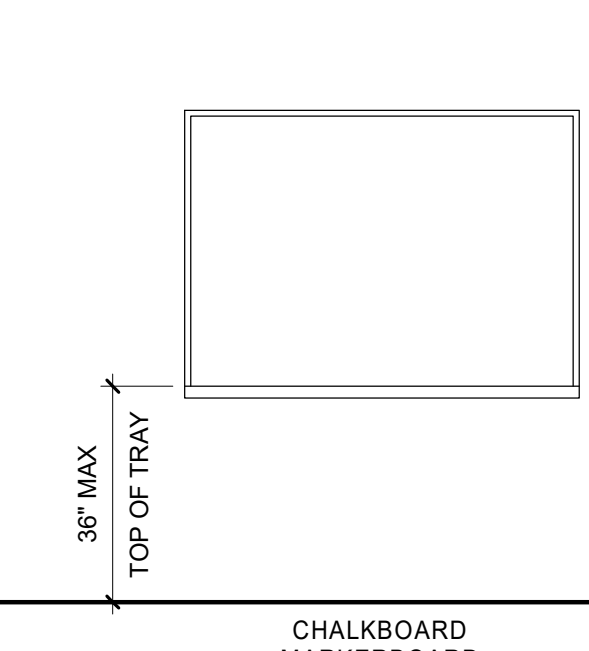
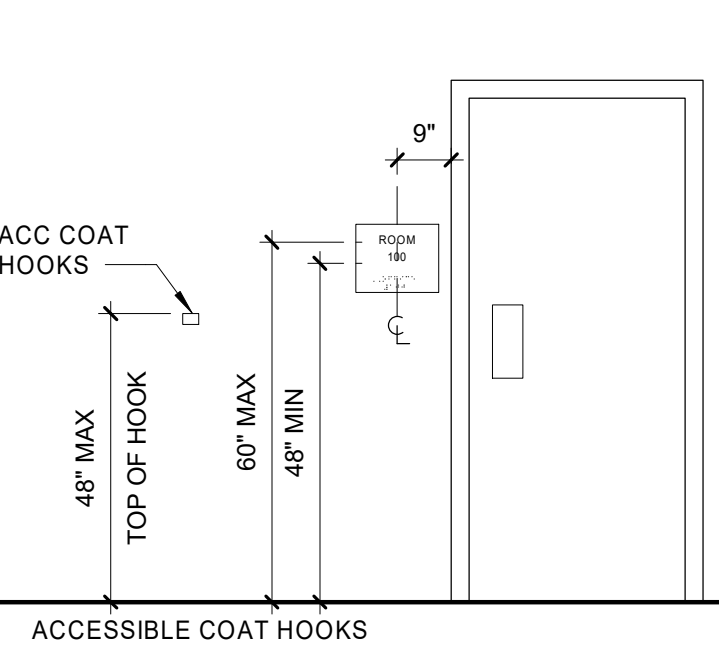
FLOOR MTD WATER CLOSET



CLEARANCE @ WATER CLOSET NOT IN A STALL

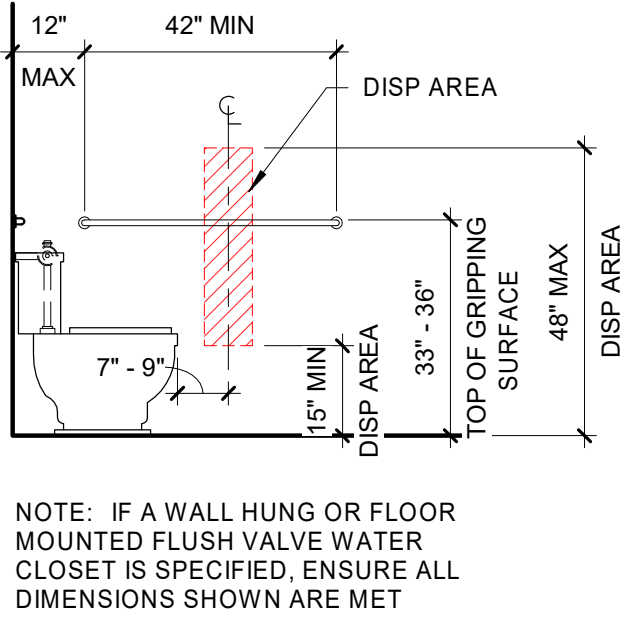


STANDARD ACCESSIBLE MOUNTING HEIGHTS



REFER GRAB BAR SPACING FOR ADDITIONAL INFORMATION

TYPICAL WATER CLOSETS



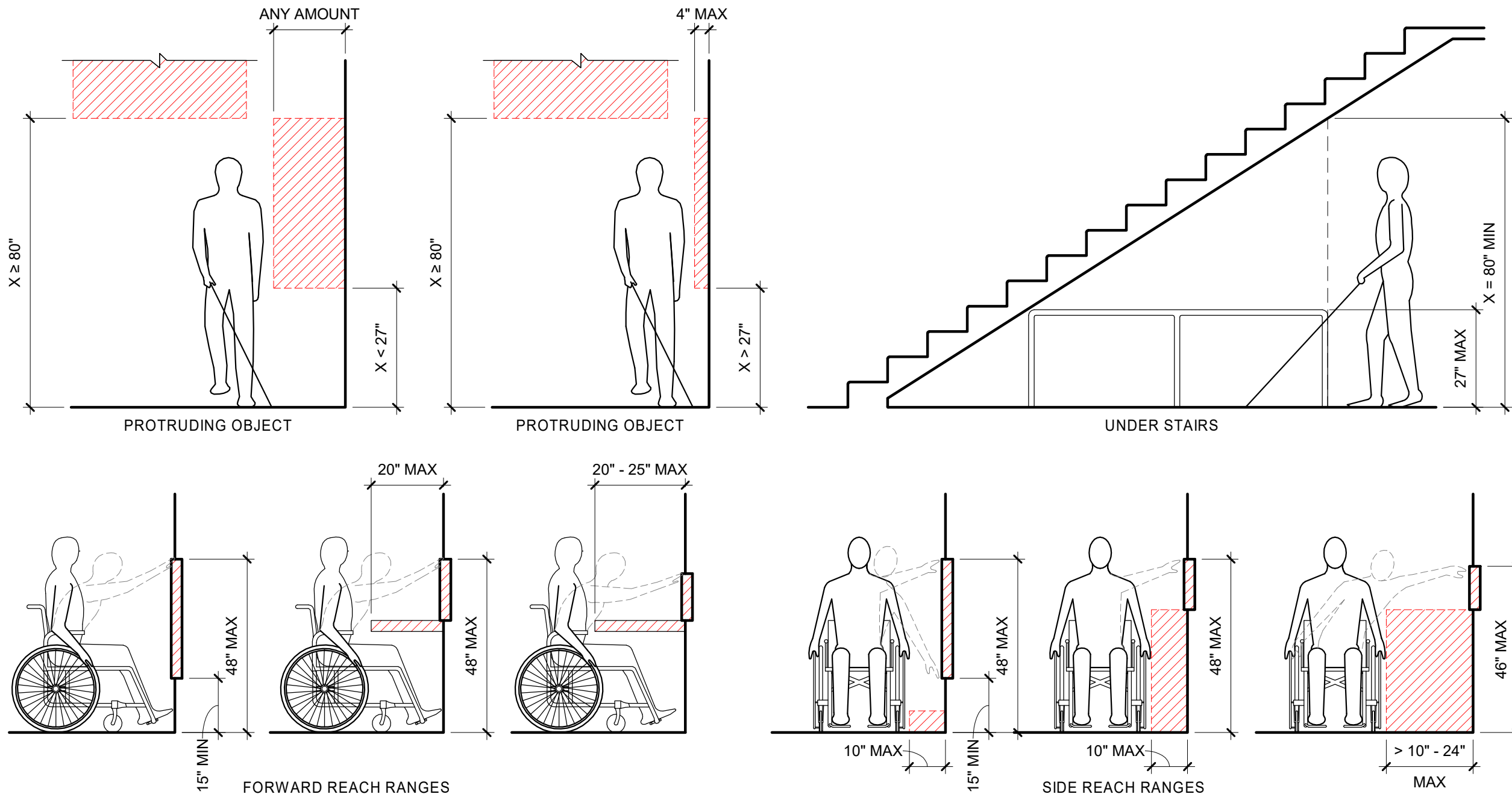
NOTE: GRAB BARS MUST SUPPORT 250 LBS AND BE CONTINUOUS

NOTE: IF A WALL HUNG OR FLOOR MOUNTED FLUSH VALVE WATER CLOSET IS SPECIFIED, ENSURE ALL DIMENSIONS SHOWN ARE MET

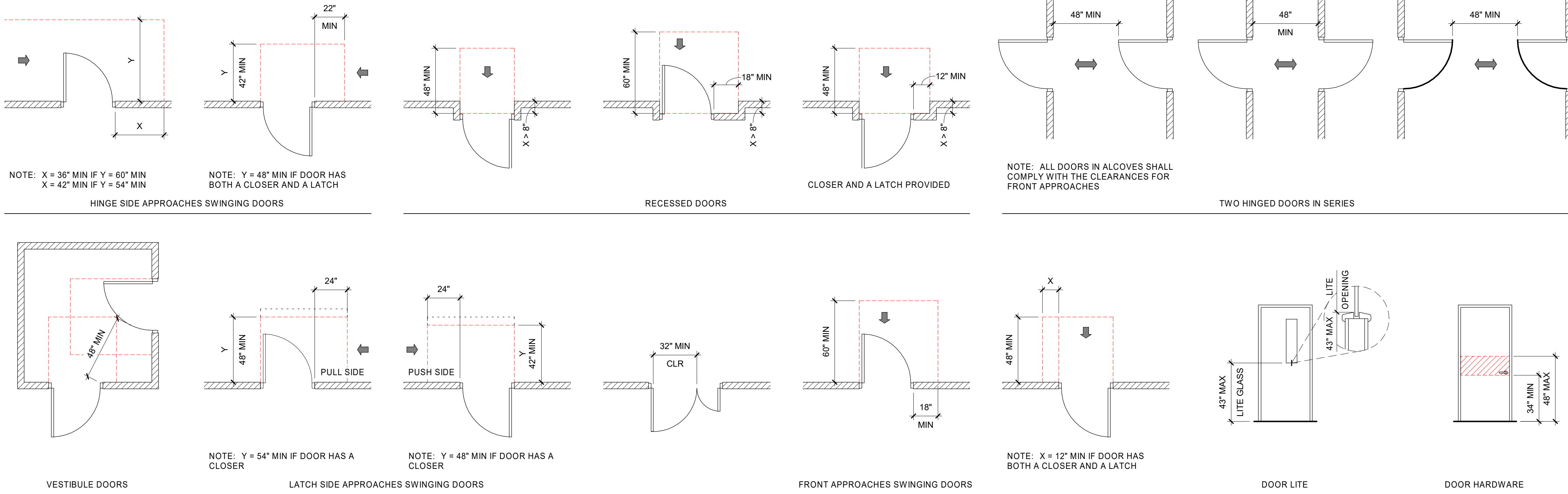
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PROTRUDING OBJECT PROTECTION/REACH RANGES



TYPICAL HINGED DOOR CLEARANCES

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Accessibility Standards

G-022

CHILDREN'S MOUNTING HEIGHTS & REACH RANGES

	AGES: 3 & 4	AGES: 5 - 8	AGES: 9 - 12
REACH RANGES HIGH LOW	36" 30"	40" 18"	44" 16"
RAMPS AND STAIRS TOP OF HANDRAIL GRIPPING SURFACE	28" MAX	28" MAX	28" MAX
WATER CLOSETS WATER CLOSET CENTERLINE GRAB BARS DISPENSER HEIGHT	12" 18" - 20" 14"	12" - 15" 20" - 25" 14" - 17"	15" - 18" 25" - 27" 17" - 19"
FIXED OR BUILT-IN SEATING AND TABLES, READING AND STUDY AREAS, AND WORK STATIONS HEIGHT OF TABLES KNEE CLEARANCE	AGES: 5 & YOUNGER PARALLEL APPROACH ALLOWED	AGES: 6 - 12 26" - 30" MAX 24" MIN	

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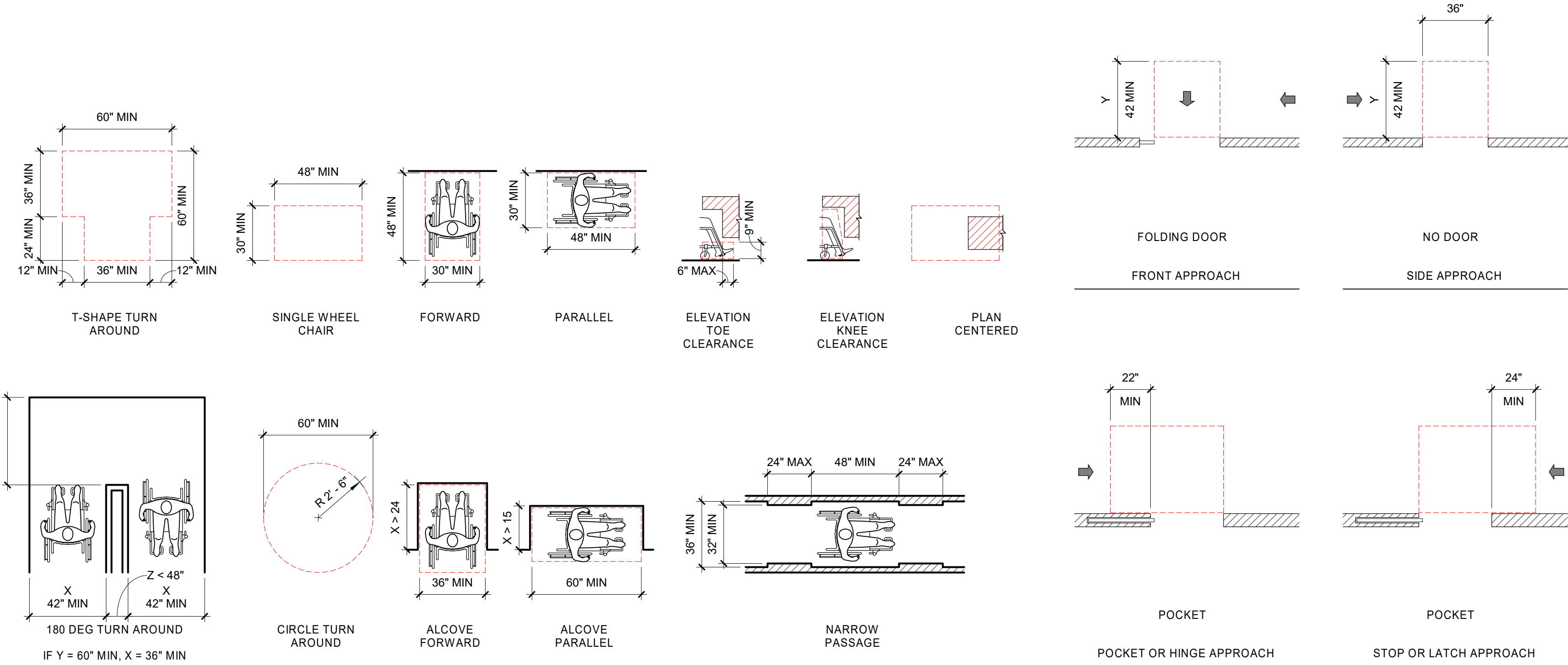
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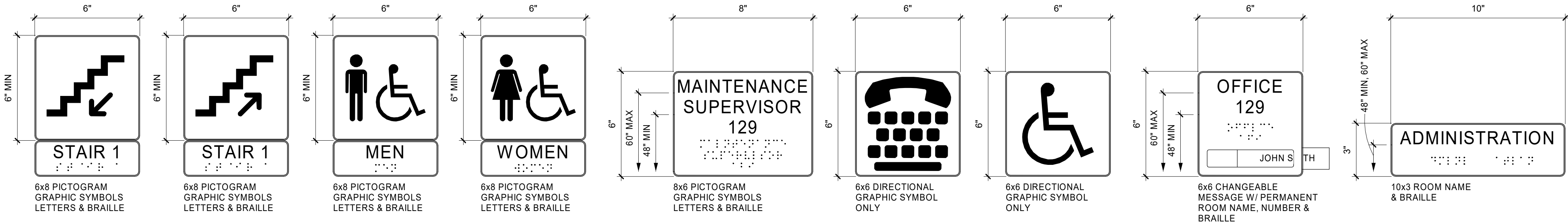
Accessibility Standards

G-023



CLEAR FLOOR AREA/ACCESSIBLE ROUTE

TYPICAL SLIDING DOOR CLEARANCES



EXAMPLE SIGNAGE - SEE STANDARD ACCESSIBLE MOUNTING HEIGHT

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Accessibility Standards

G-024

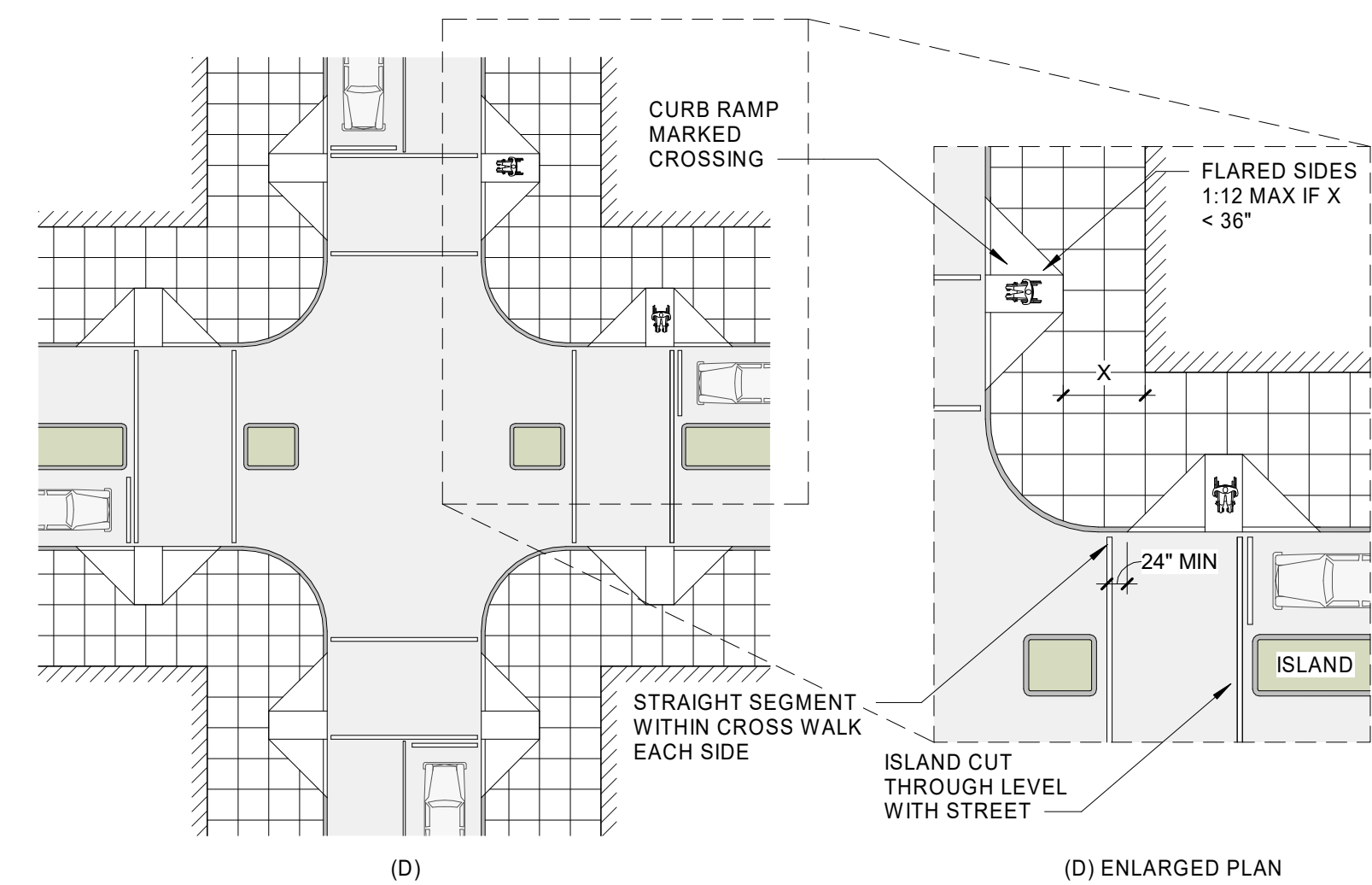
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EDITOR NOTE

INCLUDED DETAILS ARE BASED ON TAS STANDARDS. IF YOUR PROJECT REQUIRES ANSI STANDARDS, DETAILS WILL NEED TO BE MODIFIED ACCORDINGLY



GRATING	PASSING ACCESSIBLE PATH WIDTH	SINGLE
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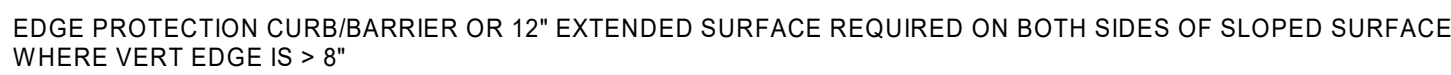
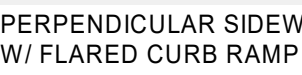
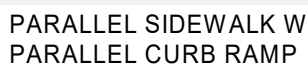
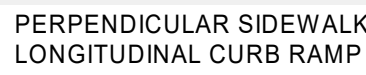
PROJECT NO.
42058.23

-	10/10/2025	Construction Documents
#	DATE	DESCRIPTION

G-025

- A. ACCESSIBILITY GUIDELINE SHEETS ARE BASED ON THE 2012 TEXAS ACCESSIBILITY STANDARDS (TAS)
- B. ACCESSIBILITY GUIDELINE SHEETS ARE FOR INFORMATIONAL PURPOSES ONLY AND INTENDED TO SERVE AS A GUIDE FOR CONSTRUCTION PROFESSIONALS AND OWNERS.
- C. SOME OF THE INFORMATION AND PICTOGRAPHS SHOWN MAY NOT BE APPLICABLE TO THIS PROJECT.
- D. REFER TO PLUMBING SHEETS FOR PLUMBING FIXTURE MOUNTING HEIGHTS.
- E. GRAPHICS SHOWN ARE FOR ADULTS.

**INCLUDED DETAILS
ARE BASED ON TAS
STANDARDS. IF
YOUR PROJECT
REQUIRES ANSI
STANDARDS,
DETAILS WILL NEED
TO BE MODIFIED
ACCORDINGLY**



RAMPS

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GENERAL NOTES

- UL ASSEMBLIES INDICATED ESTABLISH BASIS PERFORMANCE. OTHER ASSEMBLIES MAY BE CONSIDERED AT DISCRETION OF ARCHITECT IF EQUIVALENT PERFORMANCE IS PROVIDED. SUBSTITUTION PROPOSALS SHALL INCLUDE CHANGES REQUIRED TO COMPONENTS OF ASSEMBLY. RATED ASSEMBLIES TO BE IDENTIFIED ABOVE CEILING AS REQUIRED BY LOCAL CODE AND THE AHJ.
- FIRE EXTINGUISHERS, (IFC SECTION 906 AND NFPA 10; CHAPTER 6 AND TABLE 6.2.1.1.)
 - BUSINESS OCCUPANCY
 - CLASS A - LIGHT HAZARD OCCUPANCY
 - MAXIMUM FLOOR AREA FOR UNIT - 11,250 SF
 - MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER - 75 FT.

PLUMBING FIXTURE RQMTS - IPC

IPC 2021 - TABLE 403.1

OCCUPANCY CLASSIFICATION AND USE: BUS
OCCUPANT LOAD: 10

REQ'D PROVID.	WATER CLOSETS		LAVATORIES		DRINK. FOUNT.	SERVICE SINK
	MALE	FEMALE	MALE	FEMALE		
1	1	1				
1	1	1				

OCCUPANCY CLASSIFICATION AND USE: BUS
OCCUPANT LOAD: 10

REQ'D PROVID.	WATER CLOSETS		LAVATORIES		DRINK. FOUNT.	SERVICE SINK
	MALE	FEMALE	MALE	FEMALE		
1	1	1				
1	1	1				

OCCUPANT LOAD TABLE (2018, 2021)

FUNCTION OF SPACE (1004.5)	OCC PER SF
ACCESSORY STORAGE AREAS, MECHANICAL, EQUIPMENT ROOM	300 GROSS
AGRICULTURE BUILDING	300 GROSS
AIRCRAFT HANGAR	500 GROSS
AIRPORT TERMINAL	
BAGGAGE CLAIM	20 GROSS
BAGGAGE HANDLING	300 GROSS
CONCOURSE	100 GROSS
WAITING AREAS	15 GROSS
ASSEMBLY	
GAMING FLOORS (KENO, SLOTS, ETC.)	11 GROSS
EXHIBIT GALLERY AND MUSEUM	30 NET
ASSEMBLY W/ FIXED SEATS	SEE SECTION 1004.6
ASSEMBLY W/O FIXED SEATS	
CONCENTRATED (CHAIRS ONLY-NOT FIXED)	7 NET
STANDING SPACE	5 NET
UNCONCENTRATED (TABLES AND CHAIRS)	15 NET
BOWLING CENTERS, ALLOW 5 PERSONS FOR EACH LANE INCLUDING 15 FEET OF RUNWAY, AND FOR ADDITIONAL AREAS	7 NET
BUSINESS AREAS	150 GROSS
CONCENTRATED BUSINESS USE AREA	SEE SECTION 1004.8
COURT ROOMS-OTHER THAN FIXED SEATING AREAS	40 NET
DAY CARE	35 NET
DORMITORIES	50 GROSS
EDUCATIONAL	
CLASSROOM AREA	20 NET
SHOPS AND OTHER VOCATIONAL ROOM AREAS	50 NET
EXERCISE ROOMS	50 GROSS
H-S FABRICATION AND MANUFACTURING AREAS	200 GROSS
INDUSTRIAL	100 GROSS
INSTITUTIONAL AREAS	
INPATIENT TREATMENT AREAS	240 GROSS
OUTPATIENT AREAS	100 GROSS
SLEEPING AREAS	120 GROSS
KITCHENS, COMMERCIAL	200 GROSS
LIBRARY	
READING ROOM	50 NET
STACK AREA	100 GROSS
LOCKER ROOMS	50 GROSS
MALL BUILDINGS - COVERED AND OPEN	SEE SECTION 402.8.2
MERCANTILE	
AREAS ON OTHER FLOORS	60 GROSS
STORAGE, STOCK, SHIPPING AREAS	300 GROSS
PARKING GARAGES	200 GROSS
RESIDENTIAL	200 GROSS
SKATING RINKS, SWIMMING POOLS	
RINK AND POOL	50 GROSS
DECKS	15 GROSS
STAGES AND PLATFORMS	15 NET
WAREHOUSES	500 GROSS

EGRESS

TOTAL OCCUPANT LOAD FOR THE BUILDING	10
TOTAL OCCUPANT LOAD EGRESS WILL ACCOMMODATE	900
REQUIRED CAPACITY BASED ON OCCUPANT LOAD (IN) 10 x 0.X (SECTION 1005.3.1 STAIRWAYS) 10 x 0.X (SECTION 1005.3.2 OTHER EGRESS COMPONENTS)	N/A INCHES 180 INCHES
PROVIDED CAPACITY (INCHES) STAIRWAYS OTHER EGRESS COMPONENTS	N/A INCHES 180 INCHES
MAXIMUM ALLOWABLE TRAVEL DISTANCE	200 FEET
LONGEST TRAVEL DISTANCE	120 FEET
MAXIMUM DEAD END LIMIT	20 FEET
MAXIMUM DEAD END LIMIT PROVIDED	N/A FEET
COMMON PATH OF EGRESS TRAVEL	75 FEET
COMMON PATH OF EGRESS TRAVEL PROVIDED	42 FEET
TWO EXITS REQUIRED WHERE OCCUPANT LOAD EXCEEDS	29
MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD	
1-500	2 EXITS
501-1000	3 EXITS
MORE THAN 1000	4 EXITS

GENERAL CONSTRUCTION INFORMATION

APPLICABLE CODES:

BUILDING	IBC 2021
PLUMBING	IPC 2021
MECHANICAL	IMC 2021
ELECTRICAL	NEC 2021
FIRE	IFC 2021
ENERGY	IECC 2021
ACCESSIBILITY	2012 TAS
OTHER	AMENDED CODES BY LOCAL JURISDICTION

BUILDING ENVELOPE REQUIREMENTS

CLIMATE ZONE: Climate Zone 2A

BUILDING ENVELOPE OPAQUE ELEMENTS

ROOFS	INSULATION ENTIRELY ABOVE ROOF DECK	R-30
	METAL BUILDINGS	N/A
	ATTIC AND OTHER	N/A
WALLS, ABOVE GRADE	MASS	R-5.7ci
	METAL BUILDINGS	N/A
	METAL FRAMED	N/A
	WOOD FRAMED AND OTHER	N/A
WALLS, BELOW GRADE	BELOW-GRADE WALL	NR
FLOORS	MASS	N/A
	JOISTS/FRAMING	N/A
SLAB-ON-GRADE FLOORS	UNHEATED SLABS	NR
	HEATED SLABS	N/A
OPAQUE DOORS	NONSWINGING	R-2.71

NOTES

- 'ci' REPRESENTS CONTINUOUS INSULATION.
- 'OPAQUE DOOR' REPRESENTS DOORS HAVING LESS THAN 50% GLASS AREA.

BUILDING ENVELOPE FENESTRATION

VERTICAL FENESTRATION		
U-FACTOR		
FIXED FENESTRATION		U-0.19
OPERABLE FENESTRATION		N/A
ENTRANCE DOORS		U-0.25
SHGC		
ORIENTATION	SEW	N
PF < 0.2	0.XX	0.XX
0.2 ≤ PF < 0.5	0.XX	0.XX
PF ≥ 0.5	0.XX	0.XX
SKYLIGHTS		
U-FACTOR		N/A
SHGC		N/A

FIRE PROTECTION RQMTS (TAB 601)

CONSTRUCTION TYPE: TYPE 2B
AUTOMATIC FIRE SPRINKLER SYSTEM: NO

BUILDING ELEMENT PROTECTION	
PRIMARY STRUCTURAL FRAME (SEE SECTION 202)	0 HOUR(S)
BEARING WALLS	
EXTERIOR	0 HOUR(S)
INTERIOR	X HOUR(S)
NONBEARING WALLS AND PARTITIONS (TABLE 602)	
EXTERIOR	0 HOUR(S)
NONBEARING WALLS AND PARTITIONS	
INTERIOR (SEE PLAN)	0-1 HOUR(S)
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS (SEE SECTION 202)	0 HOUR(S)
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS (SEE SECTION 202)	0 HOUR(S)

PERIMETER CONTAINMENT	
METAL STUD FLY BY	SYSTEM
METAL STUD BEARING	SYSTEM
CURTAINWALL	SYSTEM
STOREFRONT	SYSTEM

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Texas Highway Patrol Canine Training and
Housing Facility



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PROJECT NO.

42058.23

- 10/10/2025 Construction Documents

DATE DESCRIPTION

Life Safety
Information

G-101

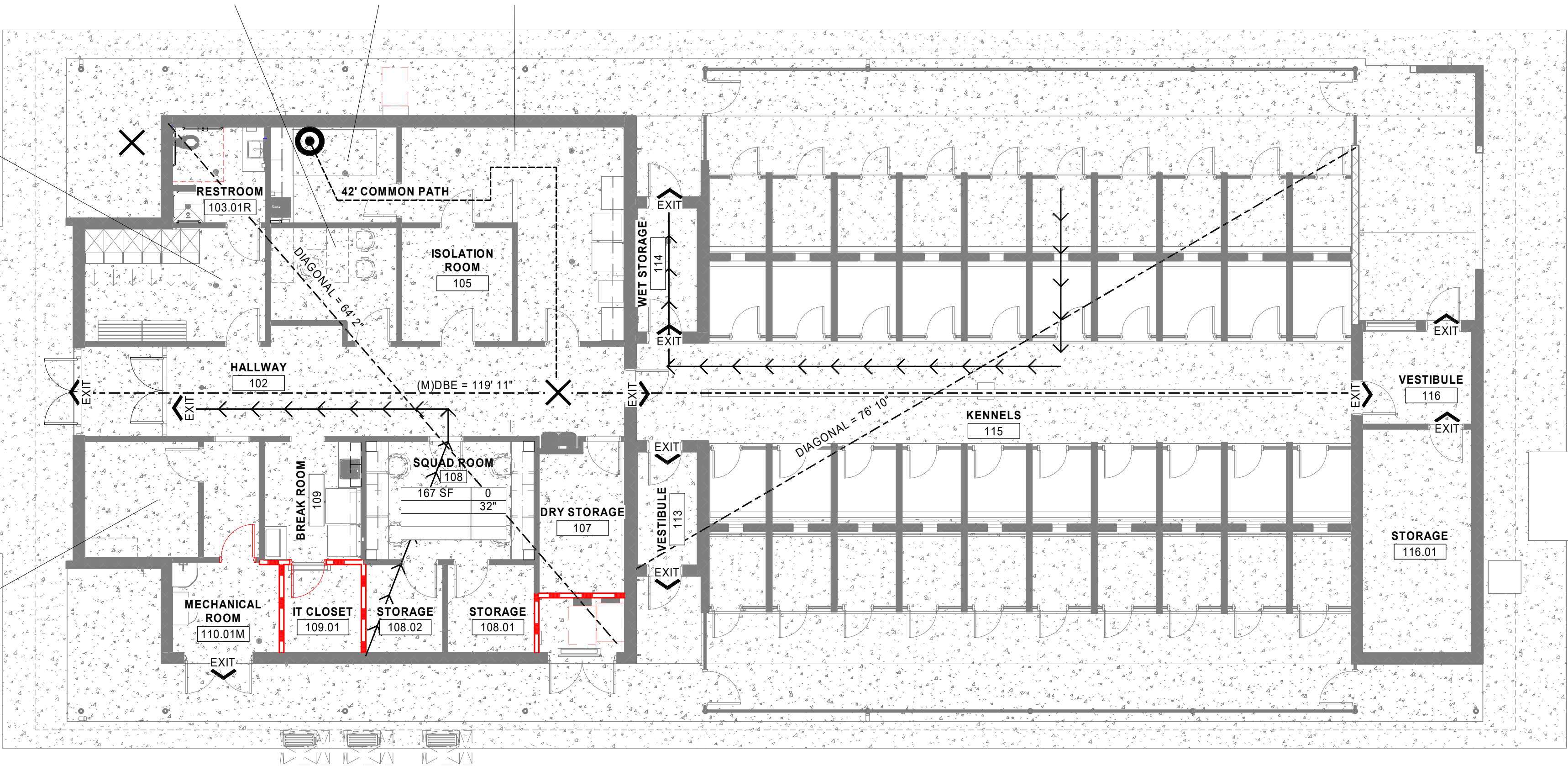
A1 EGRESS - 1ST FLOOR

1/8" = 1'-0"

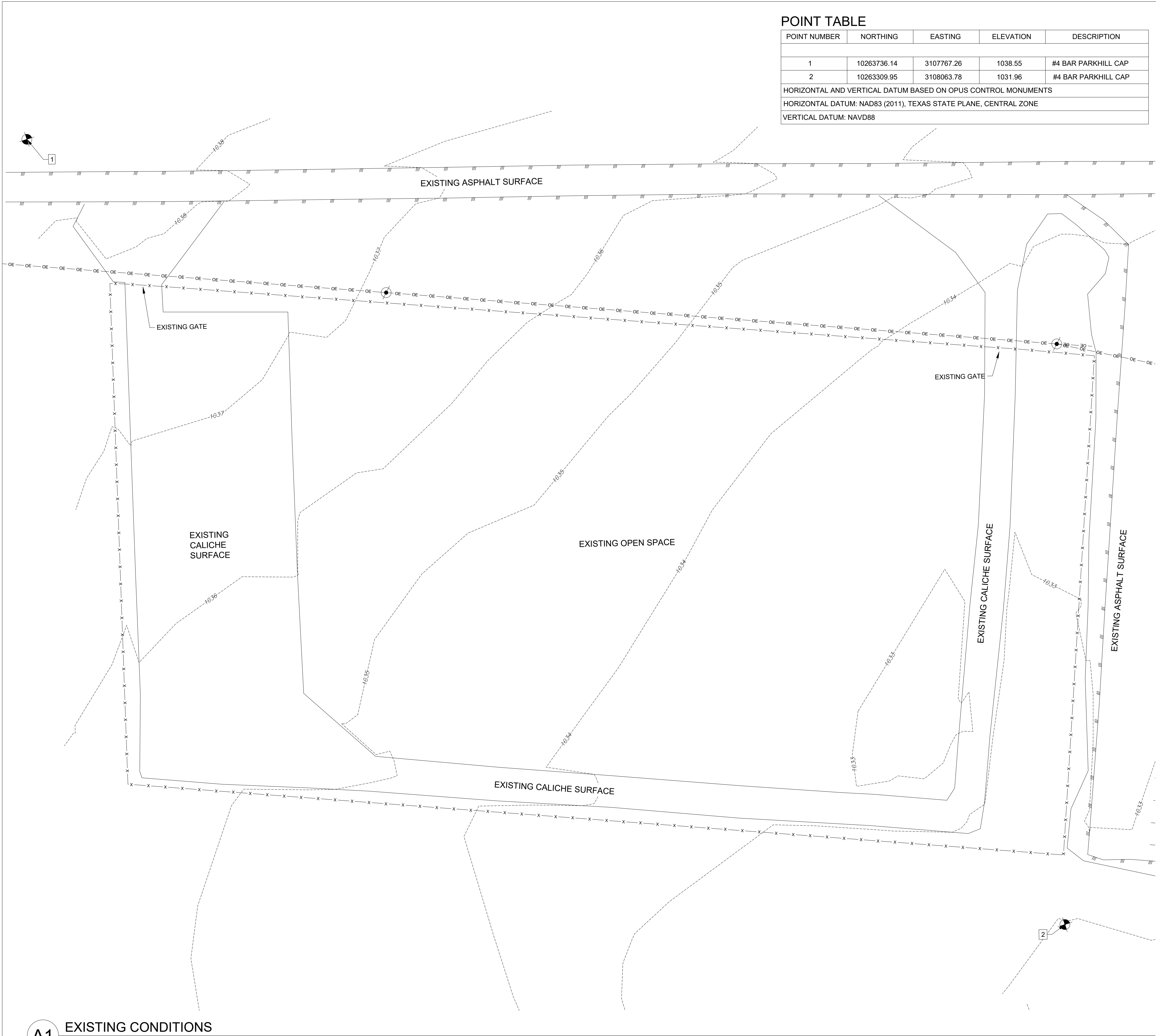
OFFICE [104]	EXAM ROOM [106.0]	BATHING ROOM [106]
107 SF 0 32"	101 SF 0 32"	283 SF 0 32"

LOCKER ROOM [103]	
171 SF 0 32"	

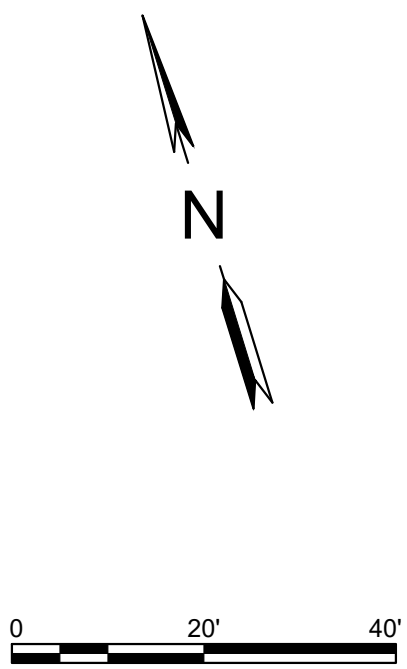
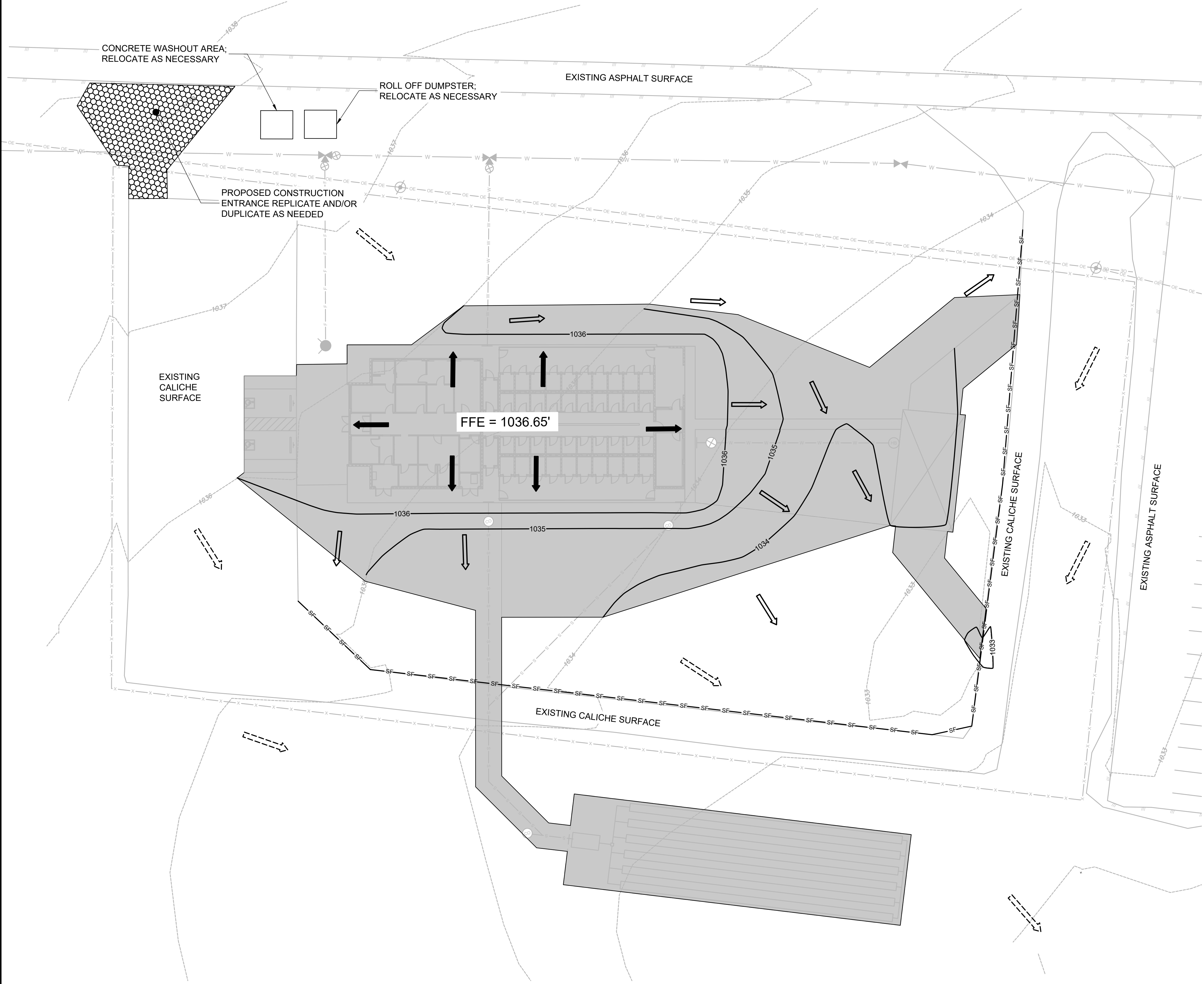
OFFICE [111]	
111 SF 0 32"	



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EROSION CONTROL PLAN NOTES

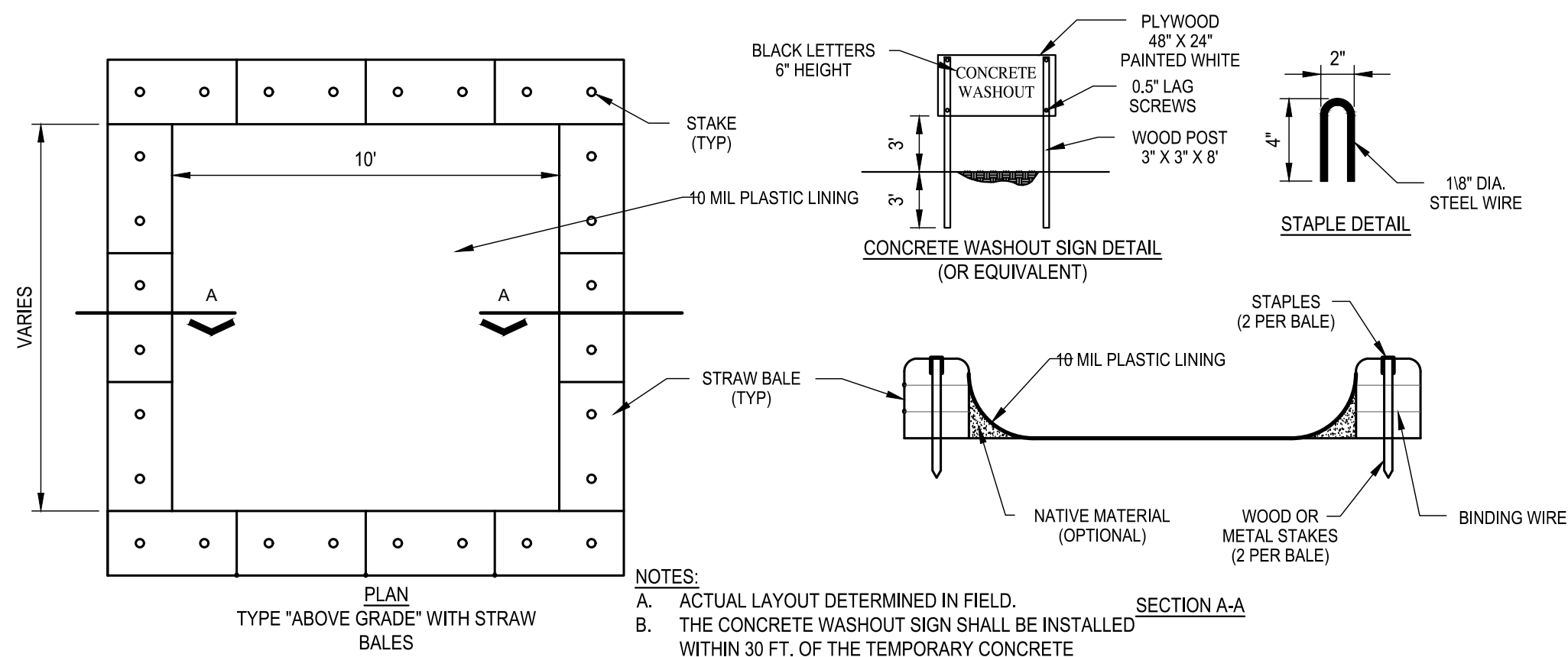
- A. THIS MAP IS PART OF A TPDES STORMWATER POLLUTION PREVENTION PLAN (SWPPP). REFER TO THE TEXT PORTION OF THE PLAN FOR ADDITIONAL INFORMATION, REQUIREMENTS AND PROCEDURES. **SWPPP TO BE DEVELOPED AND SUBMITTED BY THE CONTRACTOR.**
- B. REFER TO SHEET CE501 FOR BEST MANAGEMENT PRACTICE (BMP) DETAILS
- C. REMOVE AND REPLACE CONCRETE WASHOUT WHEN 75% OF THE VOLUME IS REACHED.
- D. CONCRETE WASHOUT AREA MAY BE RELOCATED OR DUPLICATED AS NECESSARY. PORTABLE WASHOUT IS ALLOWED.
- E. SUBMIT ALTERNATE BMP'S FOR APPROVAL PRIOR TO INSTALLATION. PER THE CITY STORM WATER ADMINISTRATORS: STABILIZE BORROWED STOCKPILES AND STAGING AREAS AT THE COMPLETION OF THE PROJECT, RESTORE TO PRE-CONSTRUCTION CONDITION.

LEGEND

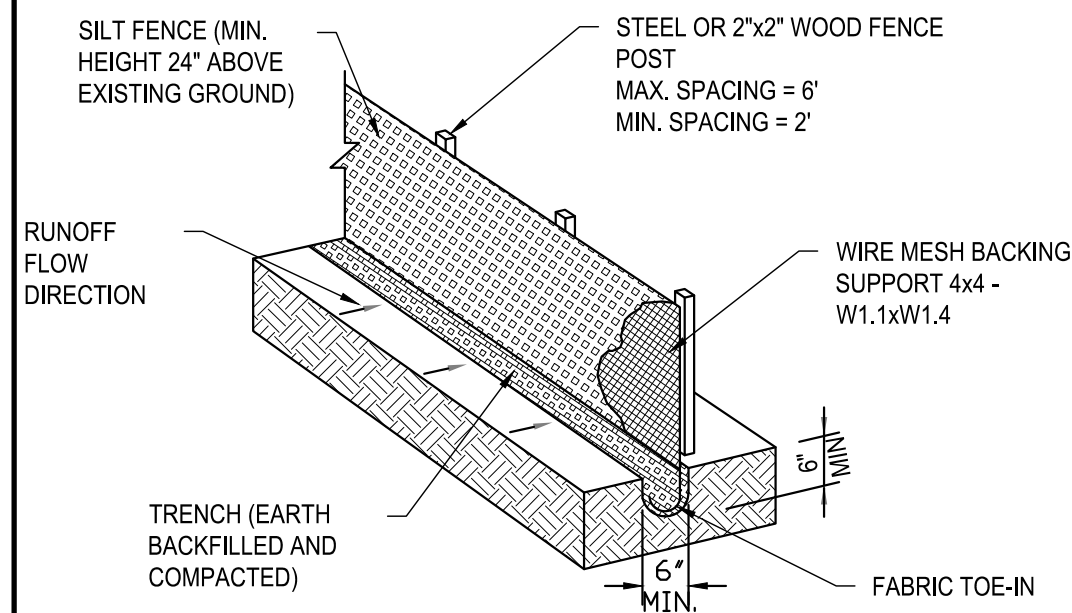
- PROPERTY LINE
- SOIL DISTURBANCE AREA (APPROX. 0.75 ACRES)
- SF— SILT FENCE
- EXISTING CONTOURS (1' INTERVAL)
- NEW CONTOURS (1' INTERVAL)
- STABILIZED CONSTRUCTION ENTRANCE - SEE DETAIL A4/CE501
- FLOW DIRECTION (EXISTING)
- FLOW DIRECTION (PROPOSED)
- ROOF FLOW DIRECTION (PROPOSED)
- EXISTING ASPHALT PAVEMENT LIMITS



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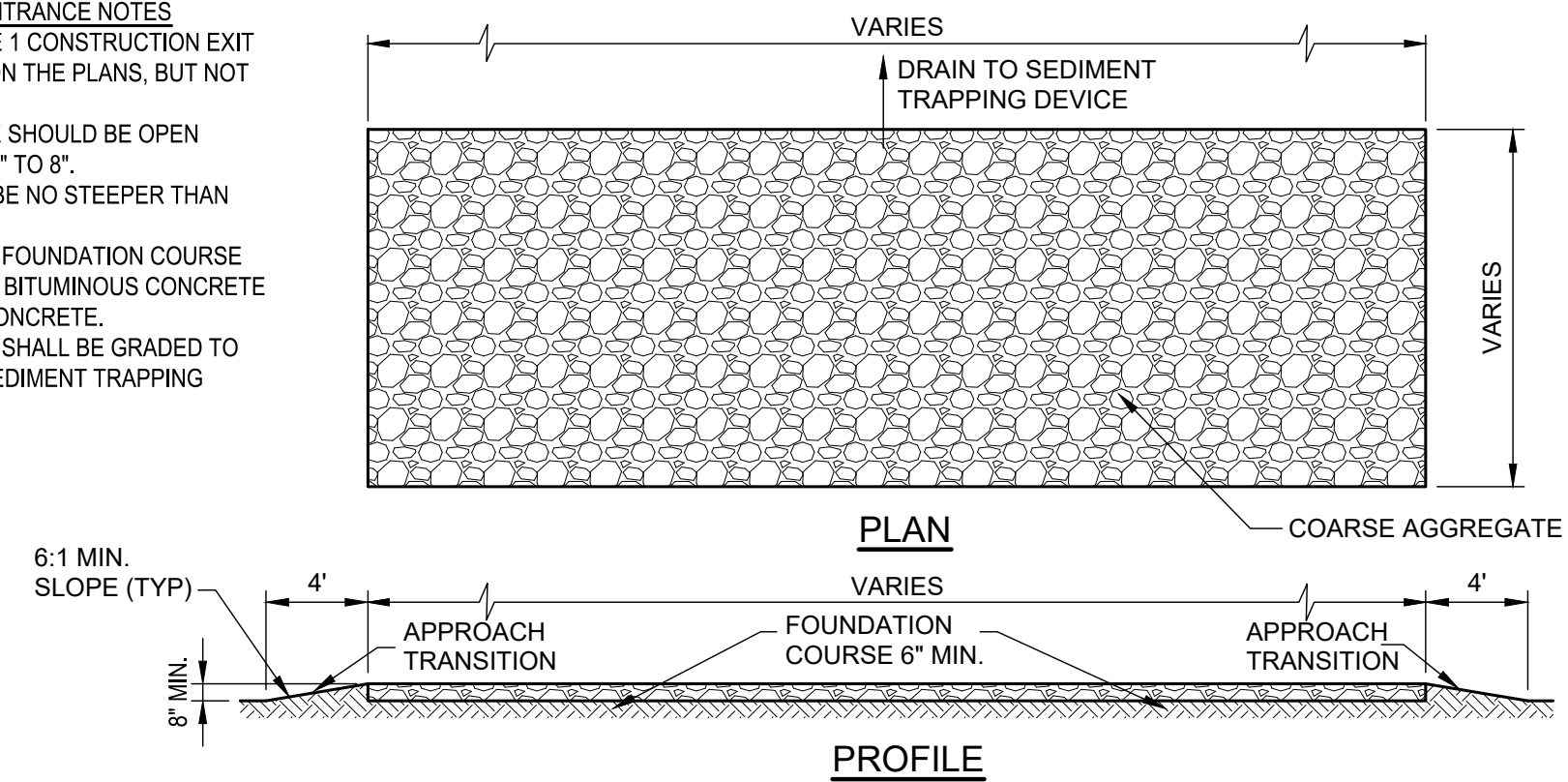
B1 CONCRETE WASH PAD
NOT TO SCALE



- NOTES:
- THIS DETAIL IS TO BE USED FOR SHEET FLOW CONDITIONS ONLY. DO NOT USE SILT FENCE FOR POINT FLOW OR CONCENTRATED FLOW CONDITIONS.
 - INSTALL STEEL OR WOOD POSTS, WHICH SUPPORT THE SILT FENCE, WITH A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POSTS MUST BE EMBEDDED A MINIMUM OF ONE (1) FOOT.
 - TRENCH THE TOE OF THE SILT FENCE IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE THE FENCE CANNOT BE TRENCHED IN (E.G. PAVEMENT), WEIGHT DOWN FABRIC FLAP WITH WASHED GRAVEL ON UPHILL SIDE TO PREVENT FLOW UNDER FENCE.
 - THE TRENCH MUST BE A MINIMUM OF SIX (6) INCHES DEEP AND SIX (6) INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
 - SECURELY FASTEN SILT FENCE TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS TO BE ATTACHED TO THE STEEL OR WOOD FENCE POST. INCLUDE A SIX (6) INCH DOUBLE OVERLAP, SECURELY FASTENED, WHERE ENDS OF FABRIC MEET.
 - REMOVE SILT FENCE WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
 - REMOVE ACCUMULATED SILT WHEN IT REACHES A DEPTH OF SIX (6) INCHES. DISPOSE OF THE SILT ONSITE IN AN APPROVED LOCATION AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.
 - MATERIALS AND CONSTRUCTION METHODS TO CONFORM TO CITY STANDARDS AND SPECIFICATIONS.
 - CONSTRUCT AS SHOWN UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER.

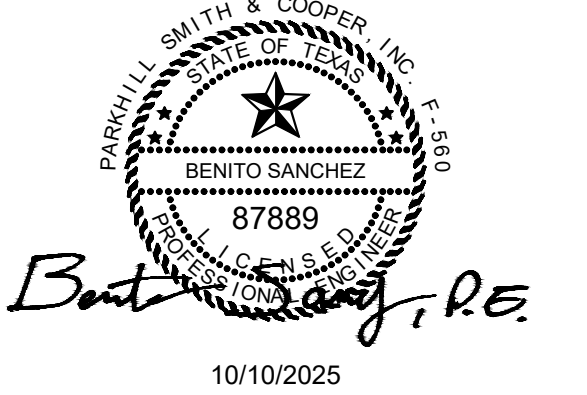
A1 SILT FENCE
NOT TO SCALE

- STABILIZED CONSTRUCTION ENTRANCE NOTES
- THE LENGTH OF THE TYPE 1 CONSTRUCTION EXIT SHALL BE AS INDICATED ON THE PLANS, BUT NOT LESS THAN 50'.
 - THE COARSE AGGREGATE SHOULD BE OPEN GRADED WITH A SIZE OF 4" TO 8".
 - THE APPROACH SHOULD BE NO STEEPER THAN 6:1.
 - THE CONSTRUCTION EXIT FOUNDATION COURSE SHALL BE FLEXIBLE BASE, BITUMINOUS CONCRETE OR PORTLAND CEMENT CONCRETE.
 - THE CONSTRUCTION EXIT SHALL BE GRADED TO ALLOW DRAINAGE TO A SEDIMENT TRAPPING DEVICE.



A4 STABILIZED CONSTRUCTION ENTRANCE & EXIT (TYPE 1)
NOT TO SCALE

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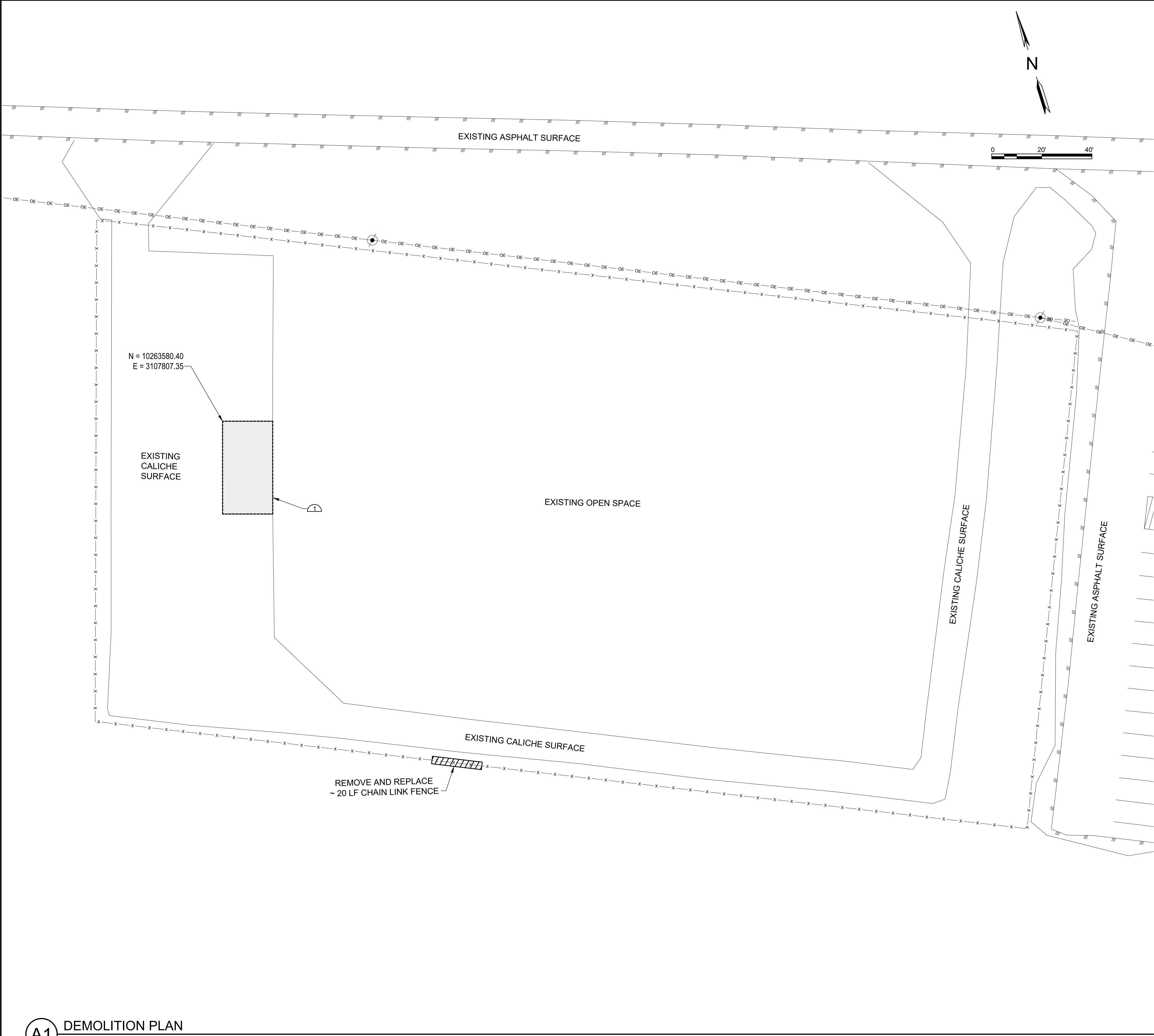
810 County Road 240 Florence, TX
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PROJECT NO.
42058.23

#	DATE	DESCRIPTION
-	10/10/2025	Construction Documents

Erosion Control
Details
CE501

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Know what's below.
Call before you dig.



CONTRACTOR IS RESPONSIBLE TO
CONTACT UTILITIES & ONE CALL SYSTEM
14 DAYS PRIOR TO DIGGING

ALL SECTIONS DIGTESS @ 1-800-344-8377

DEMOLITION NOTES

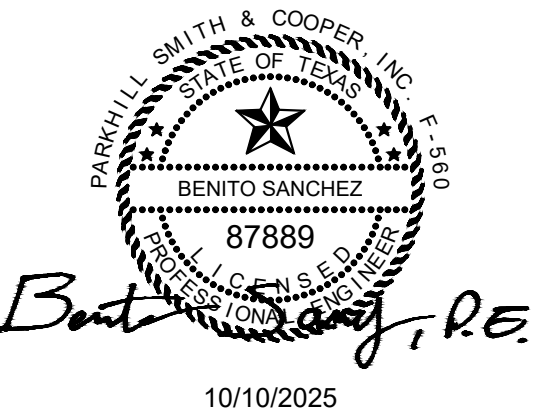
- A. THE EXISTING UTILITIES, ABOVE GROUND AND UNDER GROUND, INDICATED ON THESE PLANS ARE BASED ON REFERENCE INFORMATION FROM A FIELD SURVEY. VERIFY, BOTH HORIZONTALLY AND VERTICALLY, THE LOCATIONS OF ALL EXISTING UTILITIES, APPURTENANCES, OR OTHER FEATURES, PRIOR TO CONSTRUCTION. TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ALL EXISTING UTILITIES, APPURTENANCES, AND ANY OTHER FEATURES ENCOUNTERED, AND NOTIFY THE ENGINEER PROMPTLY OF ANY CONFLICTS WITH THE WORK.
- B. CONTACT THE ONE CALL SYSTEM (811) PRIOR TO CONSTRUCTION.
- C. HAUL AWAY AND PROPERLY DISPOSE OF ALL MATERIAL REMOVED/DEMOLISHED FROM THE SITE IN ACCORDANCE WITH CITY, STATE, AND NATIONAL REQUIREMENTS.
- D. CONTRACTOR IS RESPONSIBLE FOR ALL MISCELLANEOUS REPAIRS DUE TO DEMOLITION DAMAGE, AT HIS OWN EXPENSE.
- E. ALL STREET SIGNS WILL REMAIN UNLESS OTHERWISE NOTED.
- F. COORDINATE WITH APPROPRIATE UTILITY INCLUDING CITY OWNED UTILITIES PRIOR TO REMOVING, RELOCATING, CONNECTING TO, OR DISCONNECTING ANY UTILITIES.
- G. ALL POWER POLES TO BE PROTECTED DURING DEMOLITION AND TO REMAIN UNLESS OTHERWISE NOTED.

DEMOLITION KEY NOTES

REMOVE EXISTING CONSTRUCTION AS INDICATED BY: (00)

- 1. REMOVE AND SALVAGE 83 SY EXISTING CALICHE GRAVEL

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10/10/2025

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DATE DESCRIPTION

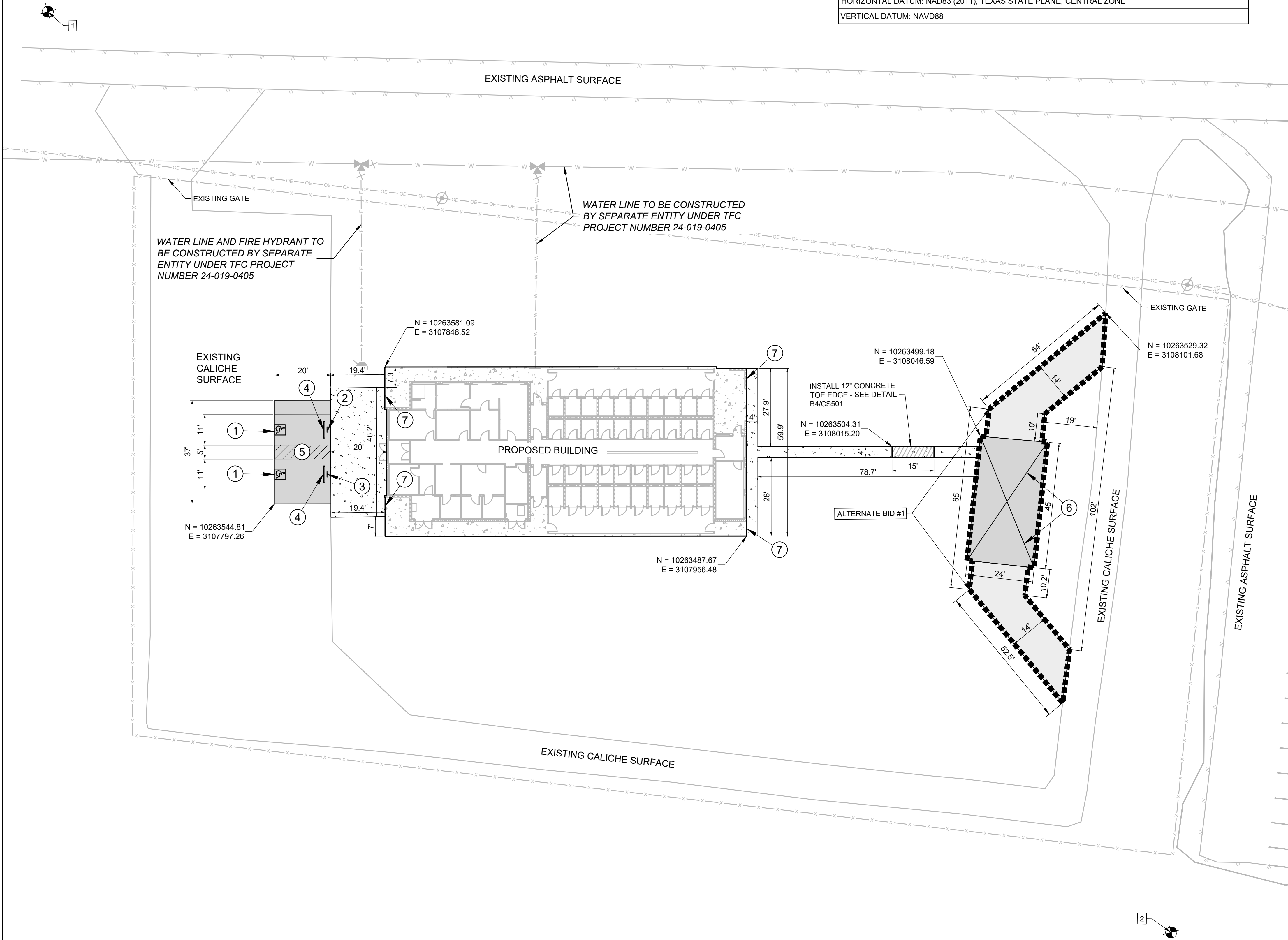
Demolition Plan

CD101

PROJECT NO.
42058.23

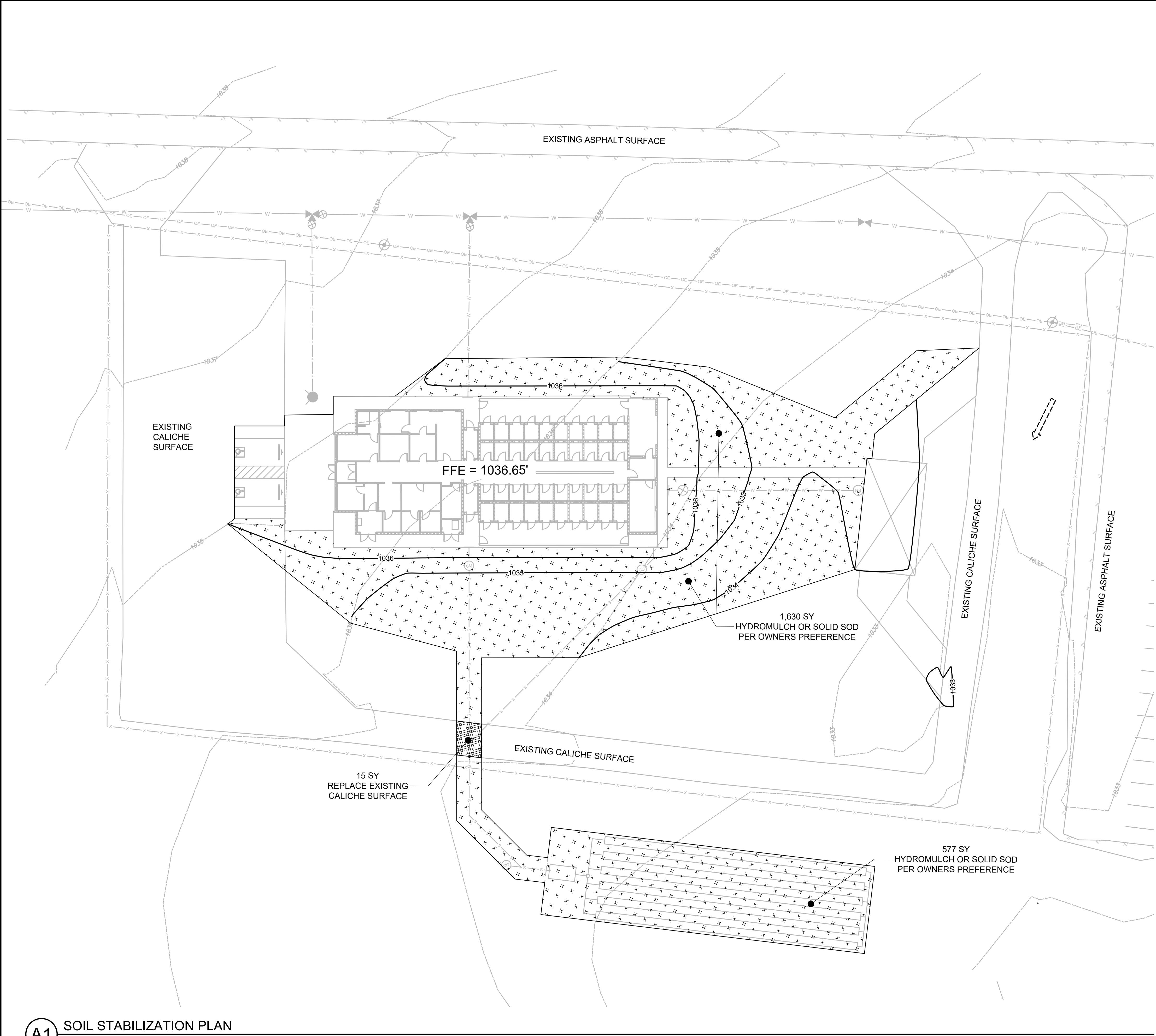
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CS101



A1 SITE PLAN
1"=20'

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Williamson County Canine Training Facility



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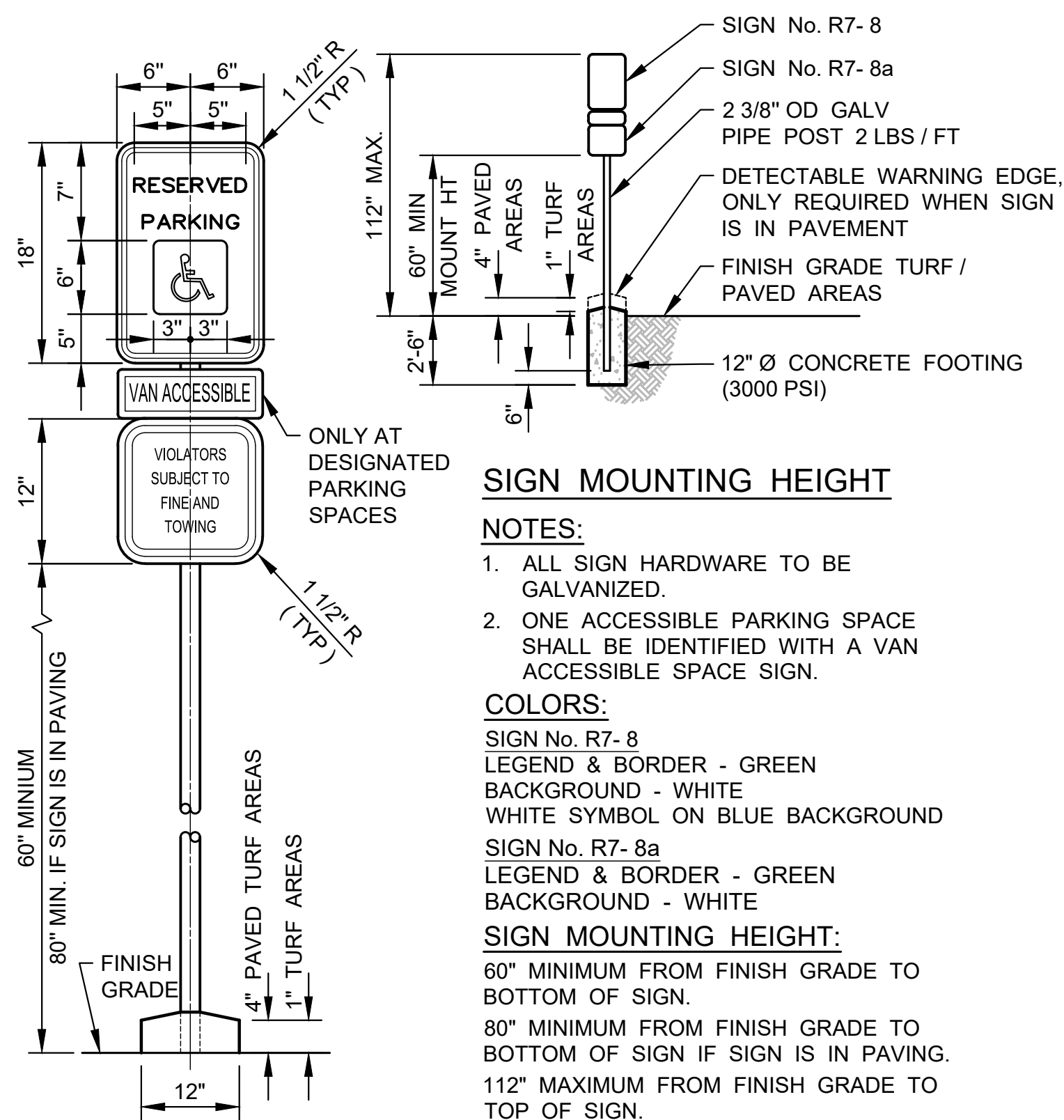
810 County Road 240 Florence, TX
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PROJECT NO.
42058.23

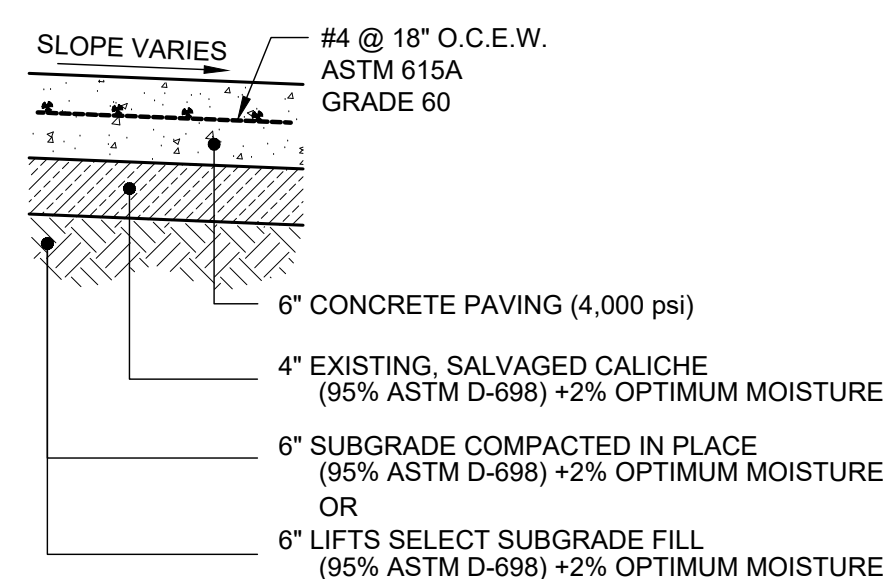
#	DATE	DESCRIPTION
-	10/10/2025	Construction Documents

Site Plan Details

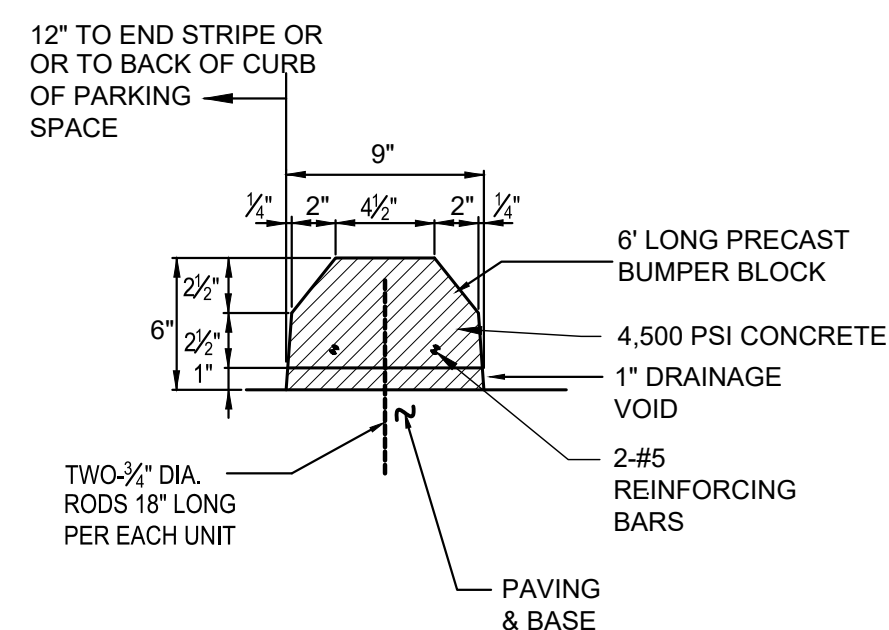
CS501



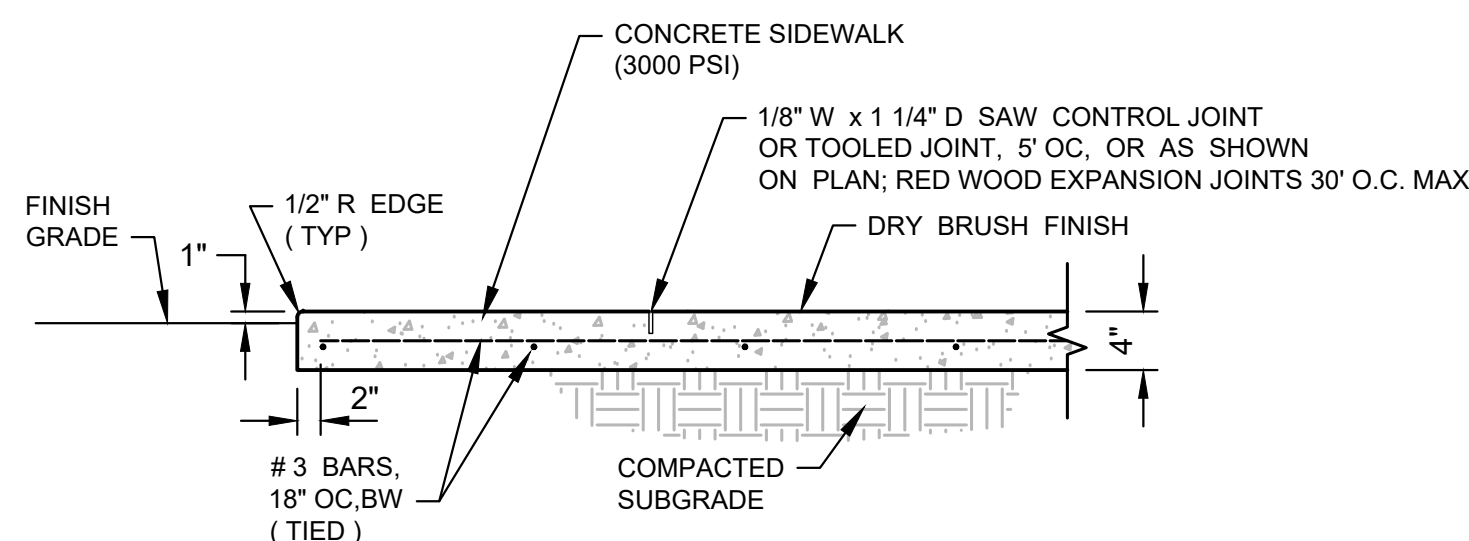
B1 ACCESSIBLE PARKING SIGN
NOT TO SCALE



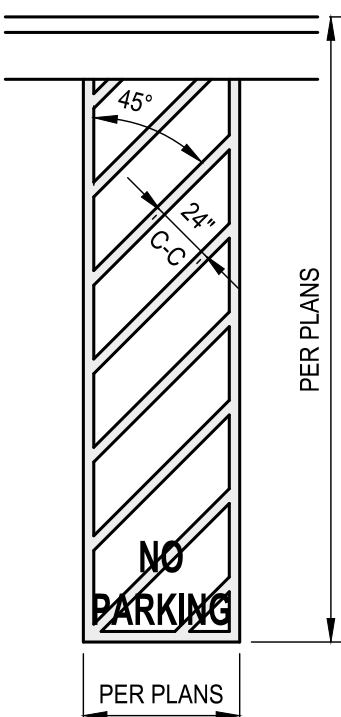
A1 CONCRETE PAVING SECTION
NOT TO SCALE



A2 PARKING BLOCK
NO SCALE

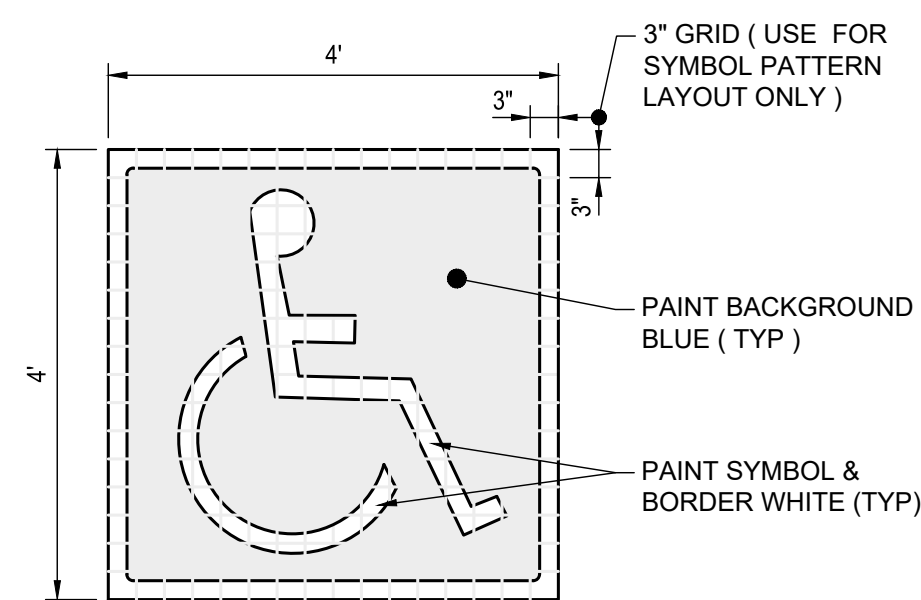


B3 4" THICK CONCRETE SIDEWALK
NOT TO SCALE

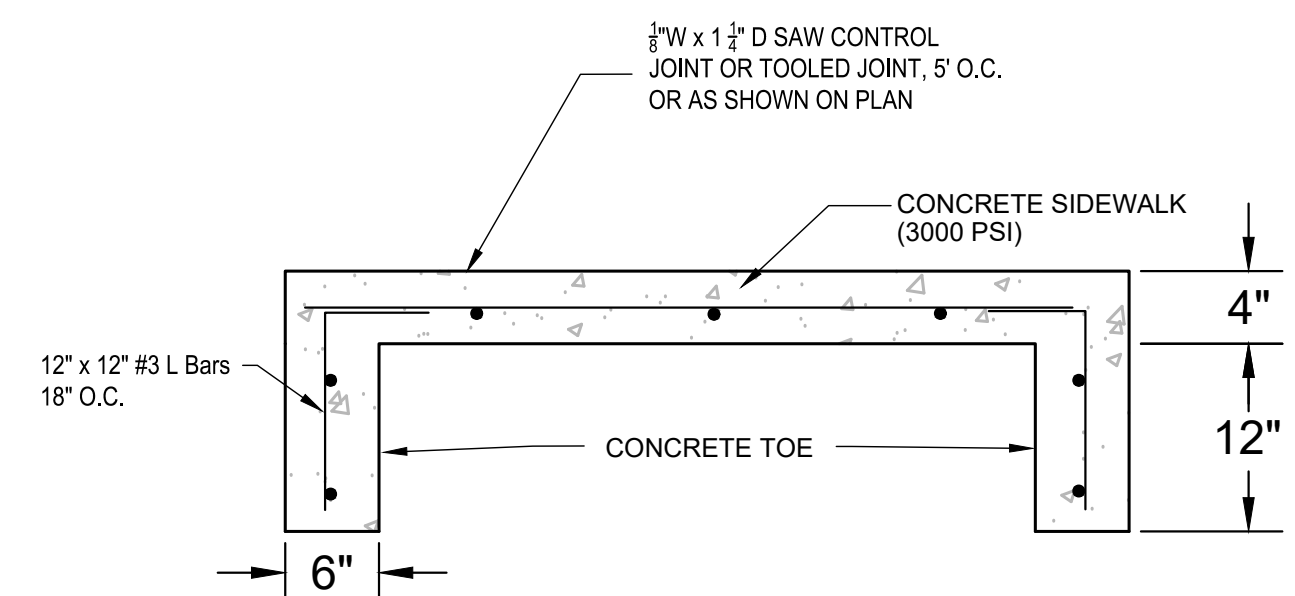


- A. NOTES
- B. STRIPES SHALL BE 4" WIDE WHITE PAINT.
- C. PAINT "NO PARKING" CENTERED IN EVERY ACCESS AISLE ADJACENT TO AN ACCESSIBLE PARKING SPACE.
- D. ALL CAPITAL LETTERS
- E. LETTER HEIGHT SHALL BE 12", WITH A STROKE WIDTH OF 2"
- F. LETTERS SHALL BE RED PAINT

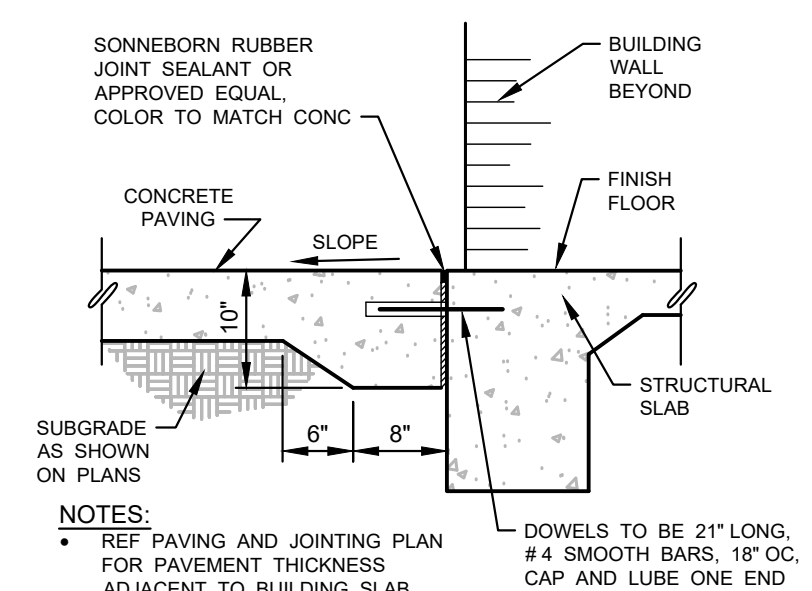
A3 ACCESS AISLE MARKING
NOT TO SCALE



A4 SYMBOL OF ACCESSIBILITY
NOT TO SCALE

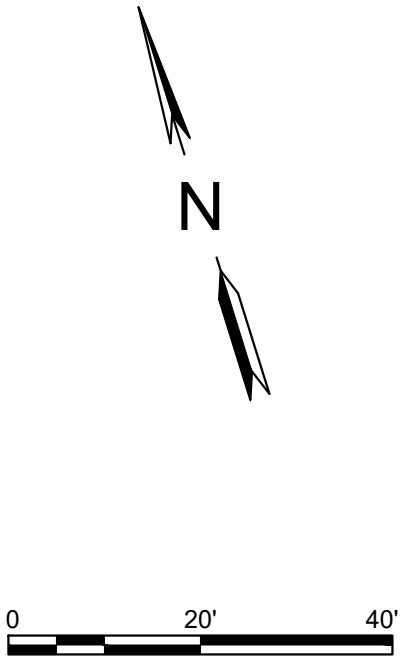
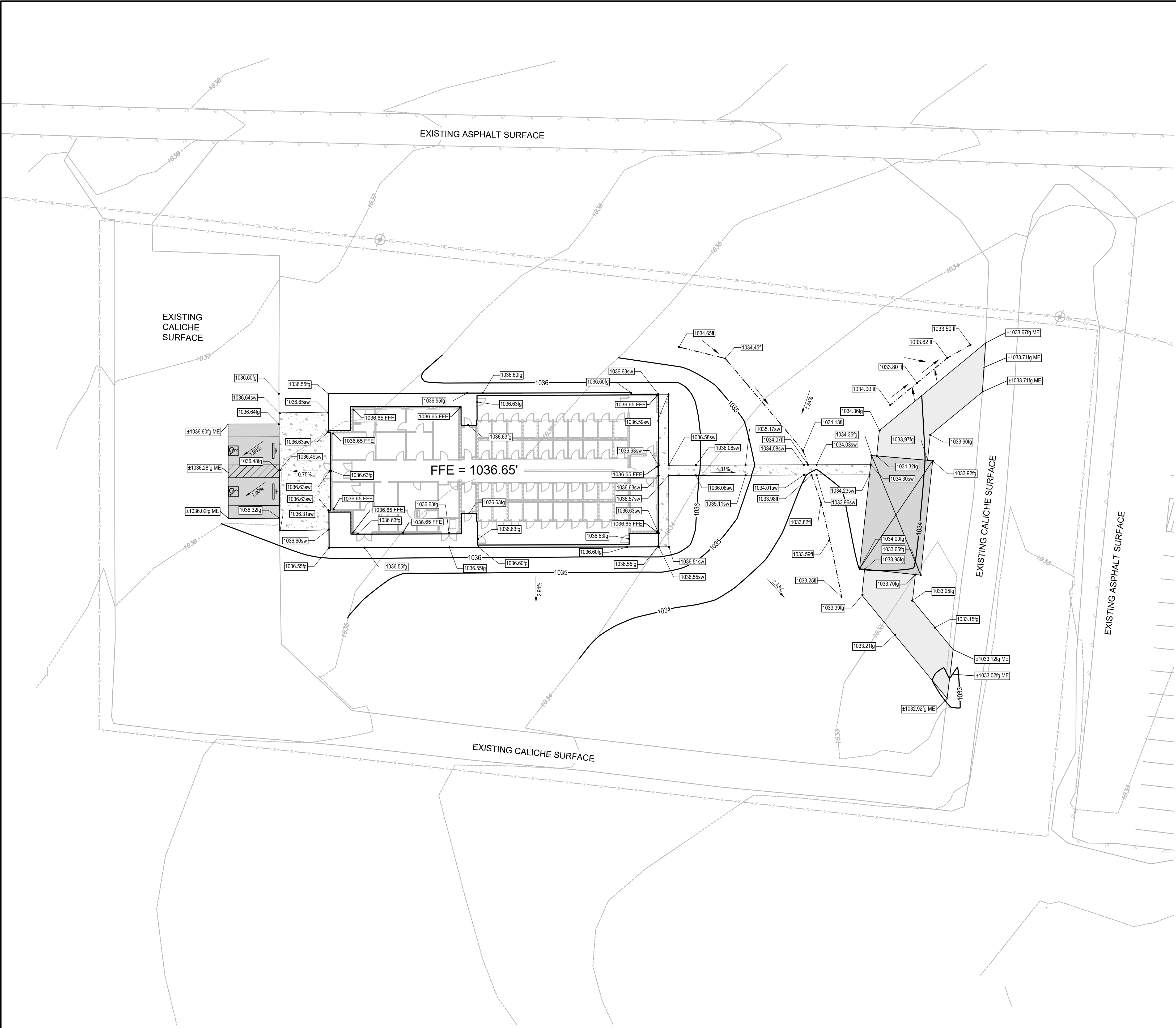


B4 CONCRETE TOE EDGE
NOT TO SCALE



A5 SIDEWALK AT BUILDING SLAB
NOT TO SCALE

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GRADING NOTES

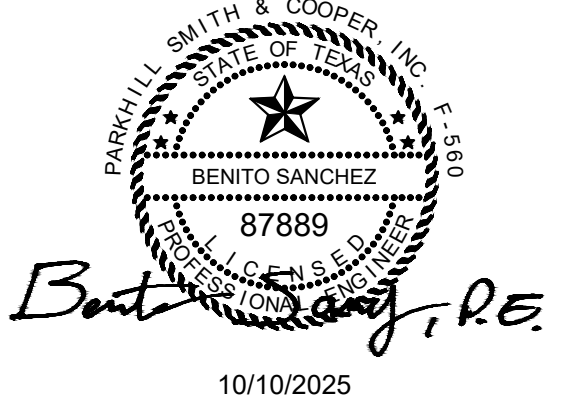
- A. THE EXISTING CONTOURS AND SURFACE ELEVATIONS INDICATED ON THESE PLANS ARE BASED ON REFERENCE INFORMATION FROM A FIELD SURVEY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY, BOTH HORIZONTALLY AND VERTICALLY, THE LOCATIONS OF ALL EXISTING HARD SURFACE PRIOR TO CONSTRUCTION, AND TO NOTIFY THE ENGINEER PROMPTLY OF ANY CONFLICTS WITH EXISTING SURFACE ELEVATIONS.
- B. MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN ACCESSIBLE PARKING AREAS.
- C. MAXIMUM 5% LONGITUDINAL SLOPE AND MAXIMUM 2% CROSS SLOPE FOR ALL ACCESSIBLE SIDEWALKS.

LEGEND

- PROPERTY LINE
- x-x- EXISTING FENCING
- EXISTING CONTOURS (1.0' INTERVAL)
- NEW CONTOURS (1.0' INTERVAL)
- DIRECTION OF FLOW
- - - - SWALE
- [2812.21g] NEW SPOT ELEVATION
- fg = finish grade
- g = gutter
- fl = flowline
- t = topsoil
- sw = sidewalk
- tc = top of curb
- FFE = finished floor elevation
- [Pattern] CONCRETE SIDEWALK (3000 PSI) - SEE DETAIL B3/CS501
- [Pattern] CONCRETE PAVING (4000 PSI) - SEE DETAIL A1/CS501
- [Pattern] 6" TXDOT GRADE 3 FLEXIBLE BASE

A1 GRADING PLAN
1"=20'

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PROJECT NO.

42058.23

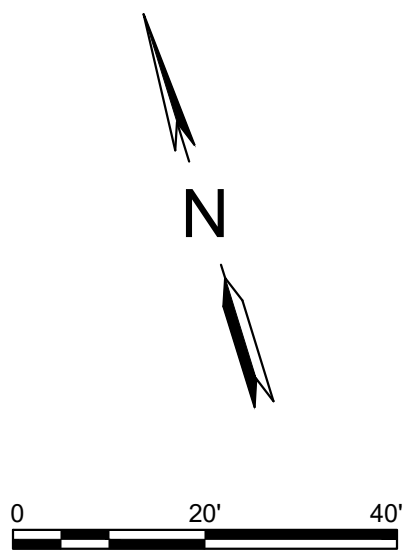
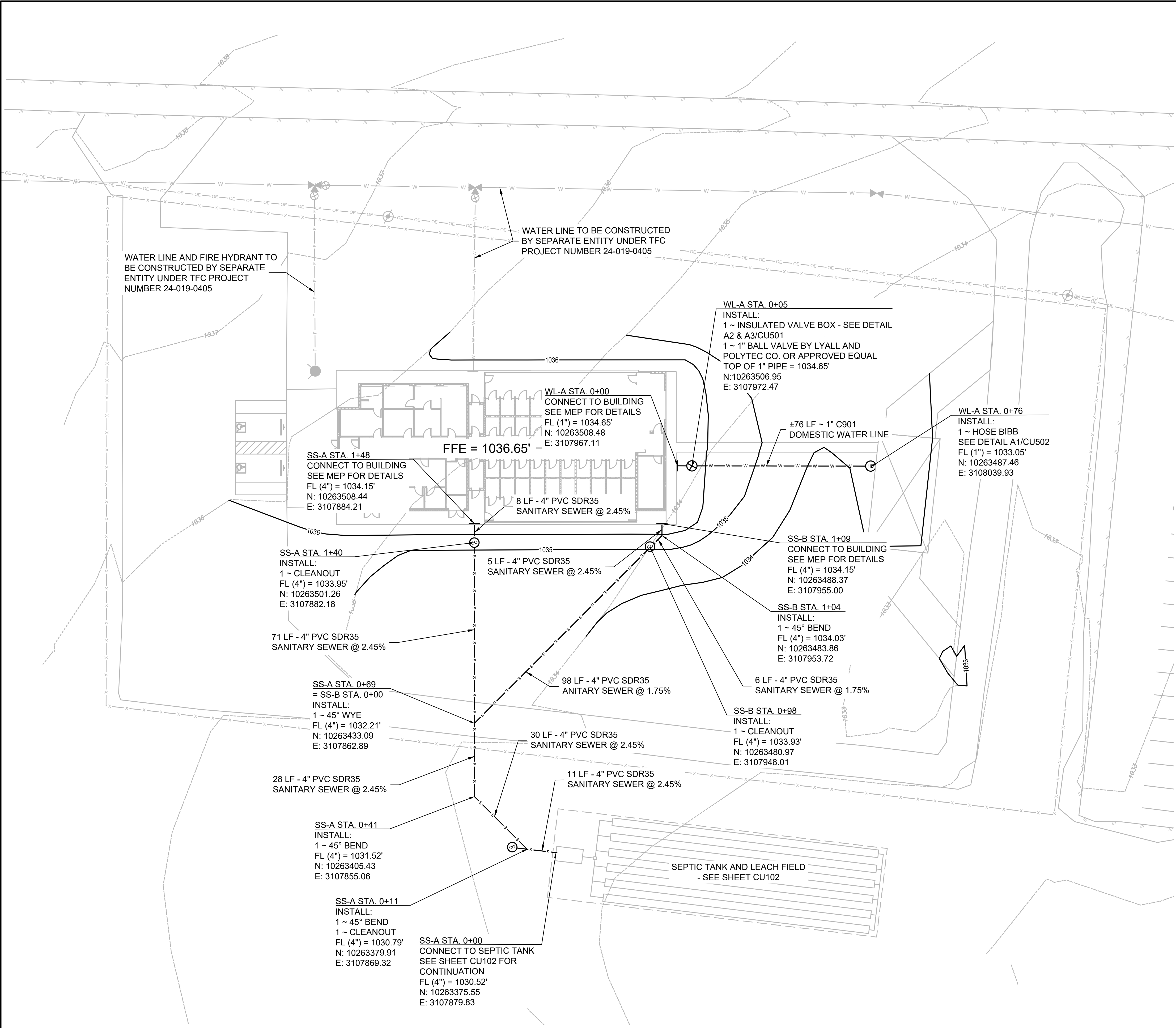
10/10/2025 Construction Documents

DATE DESCRIPTION

Grading Plan

CG101

\\PROJECTS-D\FSPROJECTS\2023\42058.23\03_DSGN01_DWG\050_CIVIL\03_SHEETS\CU101-42058.DWG, 10/10/2025 10:37 AM, tjones



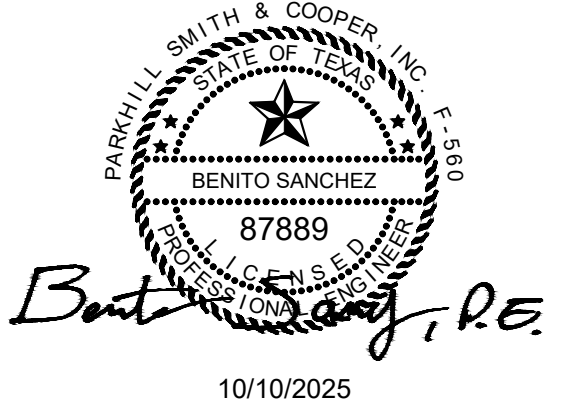
UTILITY NOTES

- A. THE EXISTING UTILITIES, ABOVE GROUND AND UNDER GROUND, INDICATED ON THESE PLANS ARE BASED ON REFERENCE INFORMATION FROM ON A FIELD SURVEY. VERIFY, BOTH HORIZONTALLY AND VERTICALLY, THE LOCATIONS OF ALL EXISTING UTILITIES, APPURTENANCES, OR OTHER FEATURES, PRIOR TO CONSTRUCTION. TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ALL EXISTING UTILITIES, APPURTENANCES, AND ANY OTHER FEATURES ENCOUNTERED, AND NOTIFY THE ENGINEER PROMPTLY OF ANY CONFLICTS WITH THE WORK.
- B. REPAIR DAMAGE TO UTILITIES CAUSED BY CONTRACTOR, AT CONTRACTOR'S EXPENSE.
- C. PRIVATE FIRE HYDRANTS MUST BE COATED RED BY THE MANUFACTURER. PRESSURE INDICATOR RINGS ARE TO BE INSTALLED. THE DEVELOPER OR CONTRACTOR IS REQUIRED TO PAY FOR THE FLOW TEST TO DETERMINE THE PRESSURE.
- D. WATER LINE IS TO BE PVC C-900 DR-14 AFTER THE GATE VALVE HEADING TO THE FIRE HYDRANT OR FDC.
- E. COORDINATE FIRE LINE INSPECTIONS WITH THE FIRE MARSHAL'S OFFICE.
- F. FIELD VERIFY ALL DIMENSIONS AND GRADES TO CONFIRM POSITIVE FLOW OF ALL NEW AND EXISTING SANITARY SEWER LINES PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH EXISTING OR NEW CONDITIONS.
- G. DRY UTILITY ONE LINES SHOWN IN RESPECTIVE DISCIPLINE DRAWINGS.

LEGEND

- PROPERTY LINE
- x-x-x-x- EXISTING FENCING
- OE-OE-OE-OE- EXISTING OVERHEAD ELECTRIC LINE
- W-W-W-W- EXISTING WATER LINE
- EXISTING POWER POLE
- w-w-w-w- PROPOSED DOMESTIC 1" WATER LINE - C901
- BALL VALVE - SEE DETAIL A1/CU501
- s- NEW 4" SDR35 SANITARY SEWER SERVICE LINE
- SANITARY SEWER CLEANOUT - SEE DETAIL A2 & A3/CU502
- HOSE BIBB - SEE DETAIL A1/CU502

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Williamson County Canine Training Facility



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Department of Public Safety

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PROJECT NO.

42058.23

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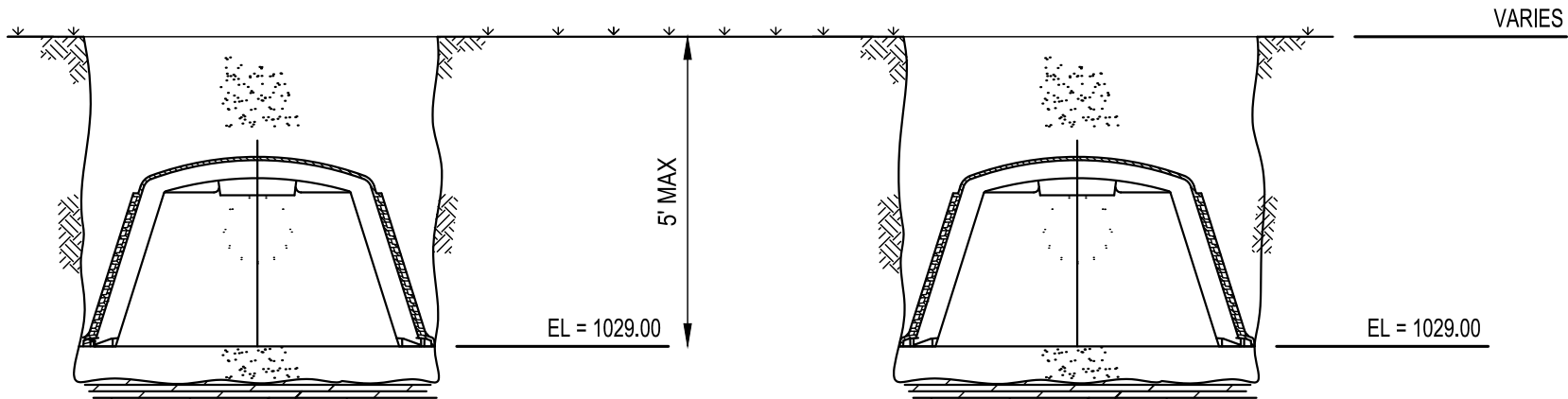
Overall Utility Plan

CU101

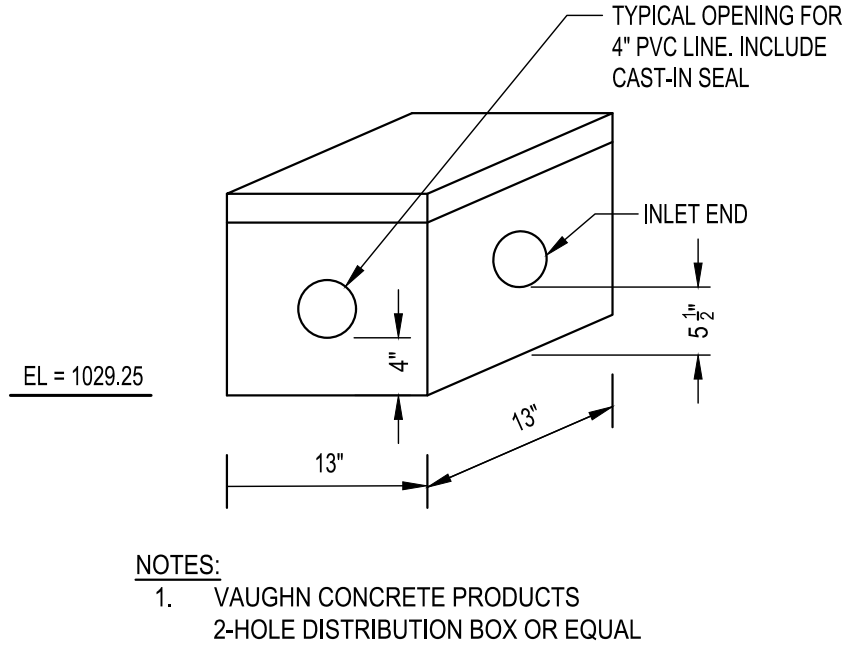
A1 OVERALL UTILITY PLAN

1"=20'

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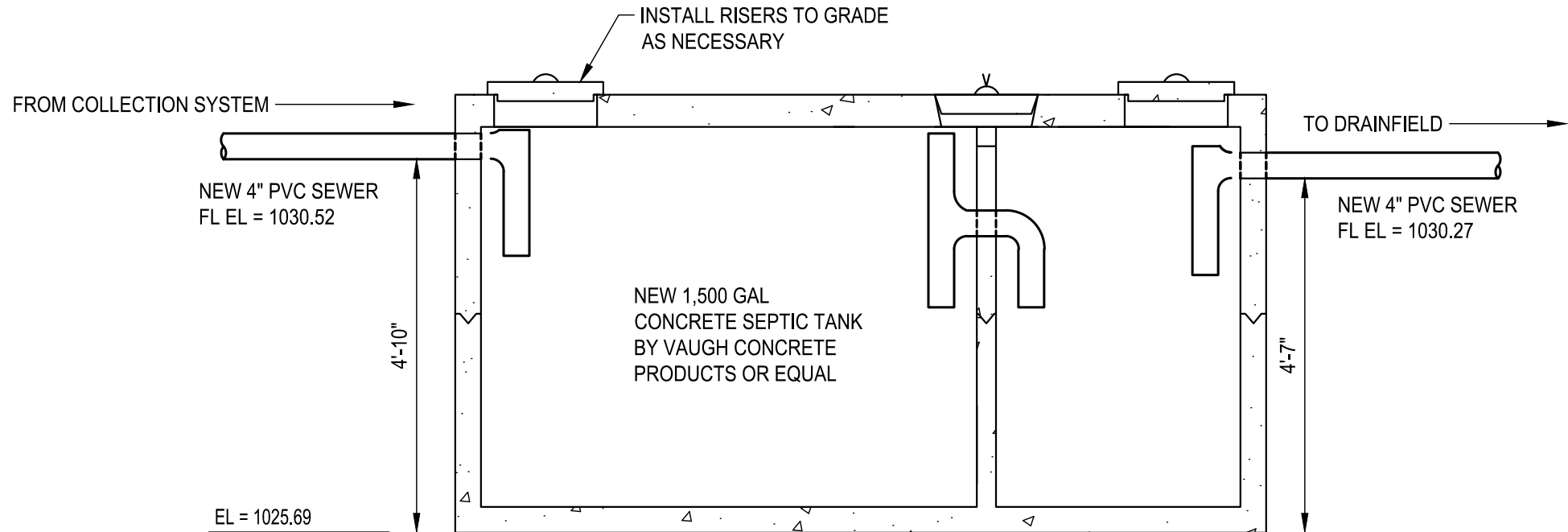
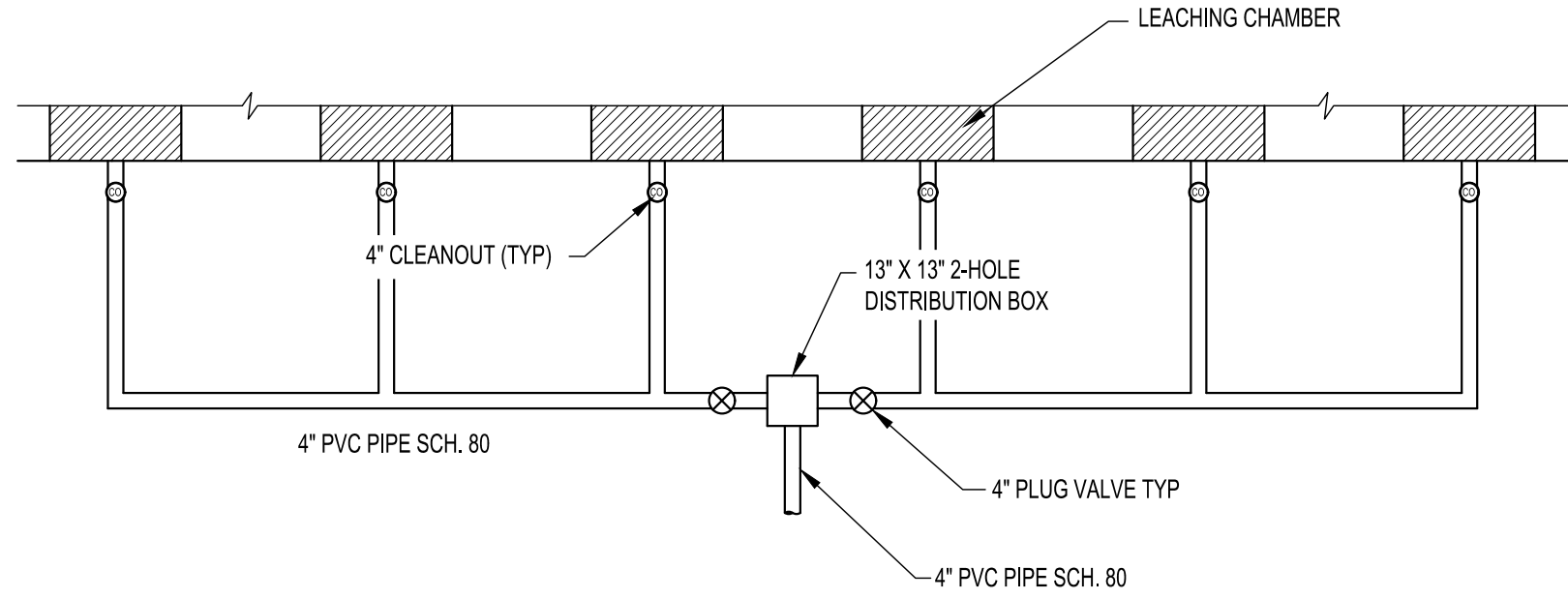


- NOTES:**
1. EXCAVATE TRENCHES TO PROPER WIDTH AND PROPER DEPTH AS REQUIRED BY STATE AND LOCAL CODES.
 2. SMOOTH IRREGULARITIES IN THE EXCAVATION. A LEVEL, FLAT SURFACE IS NECESSARY.
 3. ASSEMBLE BIODIFFUSER LEACHING CHAMBERS AND UNIVERSAL ENDPLATES TOGETHER IN TRENCH(ES).
 4. THE UNIVERSAL END PLATE IS CONSTRUCTED WITH TABS SO THAT THE EARTH FILL ON ONE SIDE WILL HOLD IT SECURELY IN PLACE AGAINST THE BIODIFFUSER.
 5. PUNCH OUT PIPE HOLE OPENINGS IN THE END PLATES AS NEEDED AND CONNECT INLET PIPES.
 6. FILL SIDEWALL AREA TO TOP OF CHAMBERS WITH NATIVE SOIL (COARSE SAND OR FINE GRAVEL MAY ALSO BE USED; NO HEAVY CLAY, SILT, OR DEBRIS SHALL BE INCLUDED).
 7. "WALK IN" FILL TO COMPACT SOIL ALONG SIDES OF BIODIFFUSER.
 8. COVER BIODIFFUSER LEACHING CHAMBERS TO A MINIMUM OF 12" AFTER CONSOLIDATION.
 9. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SOIL EVALUATION. SUBMIT SITE EVALUATION TO ENGINEER BEFORE CONSTRUCTION OF SEPTIC DRAINFIELD.
 10. CONTRACTOR SHALL OBTAIN ON-SITE SEWAGE FACILITY PERMIT FROM LOCAL PERMIT OFFICE PRIOR TO CONSTRUCTION.



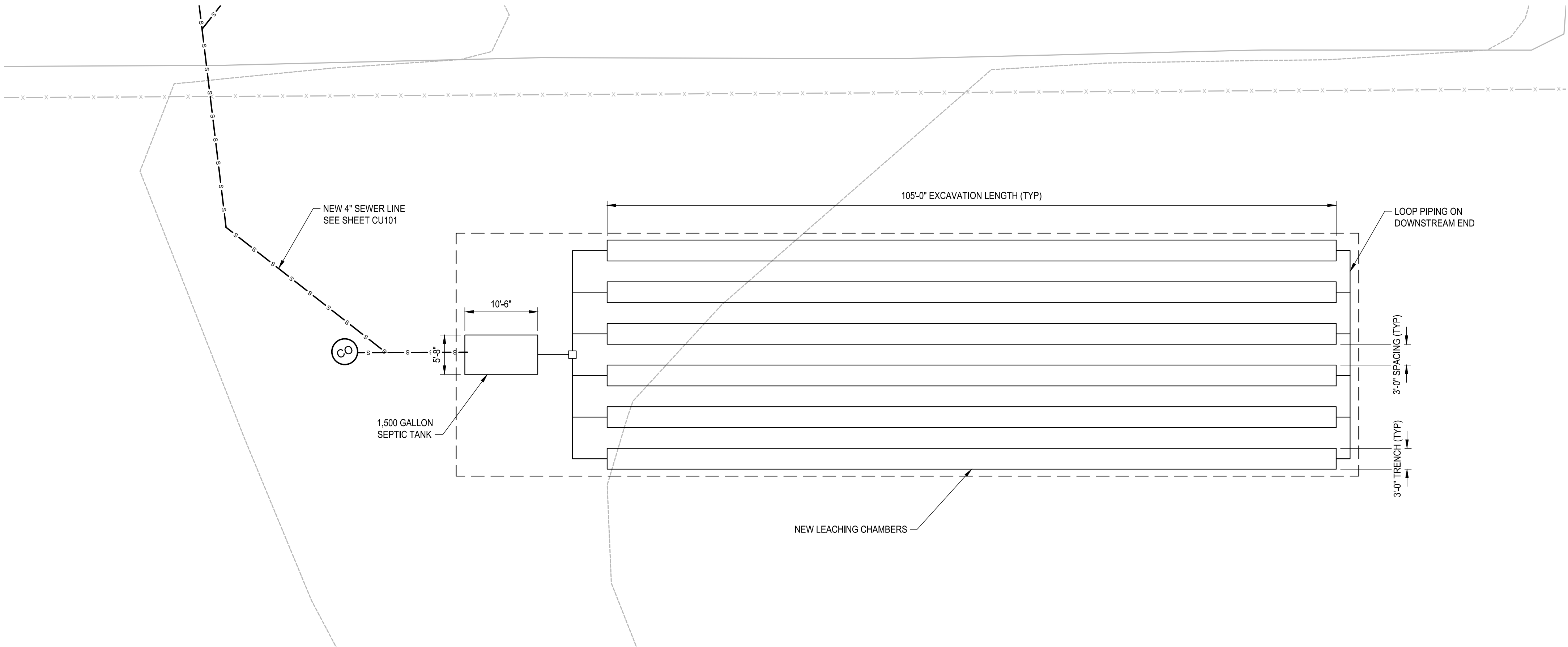
D1 TYPICAL TRENCH CROSS SECTION
NO SCALE

D4 2-HOLE DISTRIBUTION BOX
NO SCALE



C1 2-HOLE DISTRIBUTION BOX AND PIPING PLAN
NO SCALE

C3 SEPTIC TANK PROFILE
NO SCALE



A1 SEPTIC SYSTEM SITE PLAN
1\"/>

GENERAL NOTES

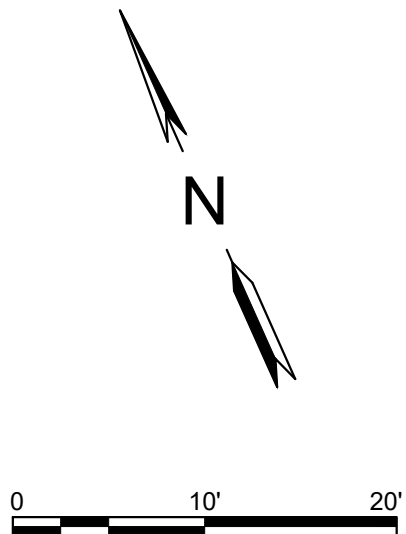
- A. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION.
- B. CONTRACTOR SHALL COORDINATE WITH TEXAS ONE CALL AND USE ALL MEANS NECESSARY TO LOCATE AND IDENTIFY EXISTING UTILITIES AS SHOWN ON THIS PLAN AND AS IDENTIFIED ON SITE.
- C. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY EXISTING UTILITY LINES DAMAGED AS A RESULT OF THIS PROJECT.
- D. CONTRACTOR SHALL PREPARE CONSTRUCTION STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND SUBMIT ALL REQUIRED DOCUMENTATION TO THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY.
- E. EXISTING AND PROPOSED GRADES HAVE BEEN PROVIDED FOR REFERENCE ONLY. ACTUAL GRADES MAY VARY. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING DEPTHS AS NECESSARY TO REFLECT ACTUAL GRADES.
- F. CONTRACTOR SHALL ADHERE TO TEXAS COMMISSION ON ENVIRONMENTAL QUALITY STANDARDS ON ALL SANITARY SEWER AND WATER LINE CROSSINGS.
- G. CONTRACTOR SHALL OBTAIN ON-SITE SEWAGE FACILITY PERMIT FROM LOCAL PERMIT OFFICE PRIOR TO CONSTRUCTION.
- H. CONTRACTOR SHALL ADVISE OF ANY SOIL ENCOUNTERED IN THE DRAINFIELD AREA THAT DIFFERS FROM THE SITE EVALUATION IN SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR REMEDY INCLUDING A SOIL SUBSTITUTION SYSTEM.

DESIGN ANALYSIS

- A. USAGE RATES FROM 30 TAC §285.91(3)
12 EMPLOYEES @ 10 GPD = 120 GPD
40 KENNELS @ 10 GPD = 400 GPD
TOTAL DESIGN FLOW = 520 GPD
- B. USGS WEB SOIL SURVEY, RA = 0.1 (SOIL CLASS IV)
- C. ABSORPTIVE AREA = 520/0.1 = 5,200 SF
- D. PROVIDE HIGH CAPACITY LEACHING CHAMBERS WITH BOTTOM WIDTH = 36 INCHES AND 2- 12 INCH SIDES.
- E. TAC §285.33(c)(2)(A)(i), L = 0.6A/(W+2). LENGTH OF EXCAVATION = 0.6 x 5,200/(3+2) = 624 FT
- F. PROVIDE 6 TRENCHES @ 105 FT EACH.
- G. FOR Q GREATER THAN OR EQUAL TO 501 GPD BUT LESS THAN OR EQUAL TO 1000 GPD, V = 2.5Q. V = 2.5(52) = 1,300 GAL MINIMUM TANK VOLUME.

LEGEND

- PROPERTY LINE
- x - x - EXISTING FENCING
- O H E - EXISTING OVERHEAD ELECTRIC LINE
- w - w - v - NEW DOMESTIC 2 1/2" WATER LINE WITH VALVE
- f - f - f - NEW PVC 6" C900 DR-14 FIRE PROTECTION WATER LINE
- NEW FIRE HYDRANT
- s - NEW 4" SDR35 SANITARY SEWER SERVICE LINE
- CO - SANITARY SEWER CLEANOUT
- HB - HOSE BIBB



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**Williamson County Canine
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810 County Road 240 Florence, TX 76527

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DATE DESCRIPTION

**On-Site Sewer
Facility**

CU102

I:\PROJECTS\CPSP\PROJECTS\2023\42058.23\03_DS\01_DWG\050_CIVIL\03_SHEET\SCU501-42058.DWG, 10/10/2025 10:38 AM, jones

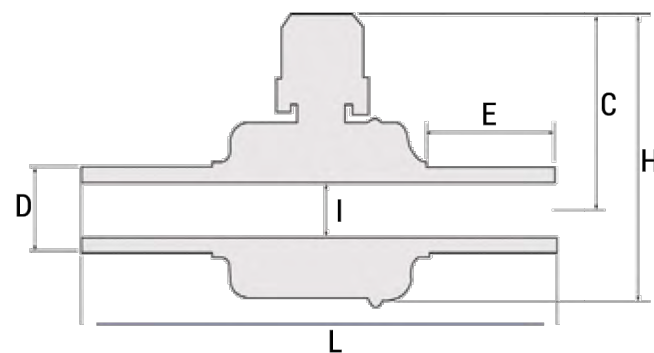
SMALL BODY PE VALVES - MDPE and HDPE



Medium Density PE 2406



High Density PE 3408



CTS Valve Sizes and Dimensions (approx)

Nominal Valve Size	D inch/mm	L inch/mm	H inch/mm	C inch/mm	I inch/mm	Port	Cv	E inch/mm	Weight lbs/kg
1/2 CTS	0.625 / 15.9	11.50 / 292	5.12 / 130	3.70 / 94	1.06 / 27	Full	9	3.62 / 92	0.97 / 0.44
1 CTS	1.125 / 28.6	11.50 / 292	5.12 / 130	3.70 / 94	1.06 / 27	Full	36	3.62 / 92	1.01 / 0.46
1-1/4 CTS	1.375 / 34.9	11.50 / 292	5.12 / 130	3.70 / 94	1.06 / 27	Full	55	3.62 / 92	1.00 / 0.46

All CTS valve sizes are available in a full range of wall thicknesses. Contact your Lyall representative for available ISO and other metric sizes.

IPS Valve Sizes and Dimensions (approx)

Nominal Valve Size	D inch/mm	L inch/mm	H inch/mm	C inch/mm	I inch/mm	Port	Cv	E inch/mm	Weight lbs/kg
1/2 IPS / SDR 9.3	0.840 / 21.3	11.50 / 292	5.12 / 130	3.70 / 94	1.06 / 27	Full	20	3.62 / 92	0.97 / 0.44
3/4 IPS / SDR 11	1.050 / 26.7	11.50 / 292	5.12 / 130	3.70 / 94	1.06 / 27	Full	32	3.62 / 92	0.99 / 0.45
1 IPS / SDR 11	1.315 / 33.4	11.50 / 292	5.12 / 130	3.70 / 94	1.06 / 27	Full	50	3.62 / 92	1.01 / 0.46
1-1/4 IPS / SDR 11	1.660 / 42.1	11.50 / 292	5.12 / 130	3.70 / 94	1.06 / 27	Std	79	3.62 / 92	1.01 / 0.46
1-1/2 IPS / SDR 11	1.900 / 48.3	11.81 / 310	5.51 / 140	3.78 / 96	1.26 / 32	Std	104	2.80 / 71	1.80 / 0.80
2 IPS	2.375 / 60.3	11.81 / 310	5.51 / 140	3.78 / 96	1.38 / 35	Std	118	3.31 / 84	1.90 / 0.86

Where applicable, other SDRs are available upon request. Contact your Lyall representative for available ISO and other metric sizes.

2

A1

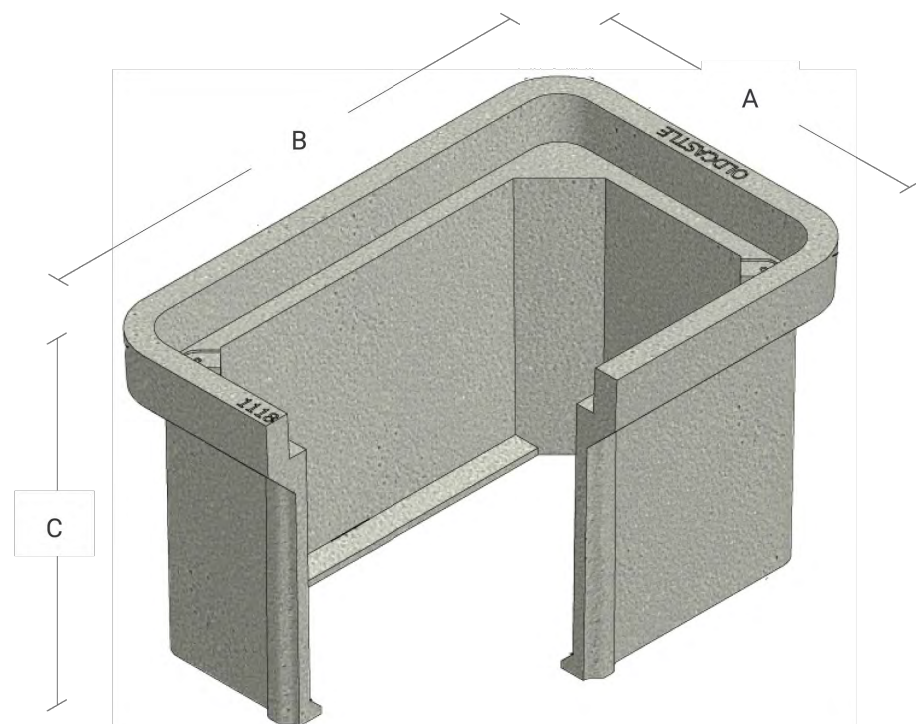


Oldcastle Polymer

1118

Material & Style

Polymer Concrete
Straight Wall



1118-12 Body

ANSI/SCTE-77, Tier 15 / 22
40 lbs
Stackable*

1118-18 Body

ANSI/SCTE-77, Tier 15 / 22
57 lbs
Stackable*

	A	B	C
1118-12	13"	19-7/8"	12"
1118-18	13"	19-7/8"	18"

Cover comes standard with 4" x 8" marking plate. Custom marking and direct permanent markings are available; contact your local Oldcastle Infrastructure representative for details. Weight is nominal and can vary slightly from manufacturing location.
* Bodies can be stacked to achieve a greater depth while maintaining their tier rating.

Revision 10/2024

oldcastleinfrastructure.com
(888) 965-3227

Trusted partnerships. Full scale solutions.

- Medium Duty
ANSI/SCTE TIER 15
- Heavy Duty
ANSI/SCTE TIER 22

For use in non-vehicular traffic situations only. Weights and dimensions may vary slightly. Actual load rating is determined by the box and cover combination.

A2



Oldcastle Polymer

1118

Options

- Bodies:
- Conduit Holes OR Mouseholes
 - Tier-rated stacking design



- Available Covers:
- Polymer Concrete, Flush Solid



- Fasteners:
- Hex Head Bolt
 - Penta Head Bolt
 - Auger Thread



- Add On Options:
- Logos / Special Markings
 - EMS Marker
 - Marking Plate

All information contained on this sheet is current at the time of publication. Oldcastle Infrastructure reserves the right to discontinue or update product information without notice.

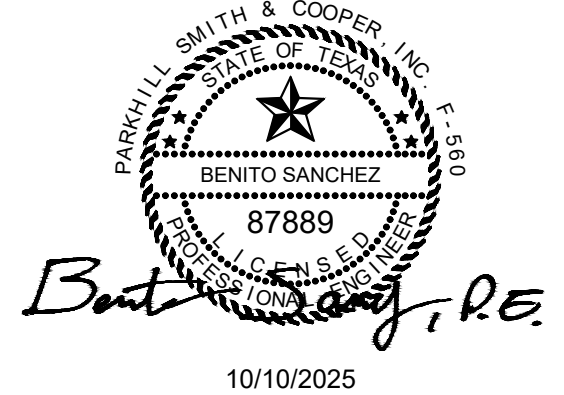
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A3

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10/10/2025

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Department of Public Safety

810 County Road 240 Florence, TX
76527

PROJECT NO.
42058.23

10/10/2025 Construction Documents
DATE DESCRIPTION

Utility Details
CU501

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Commercial Post/Yard Hydrants

COMPRESSION-TYPE POST HYDRANTS
WITH 3/4" (19) OR 1" (25) CONNEC-
TIONS



FIG. # 5960, 5961

Compression-Type Non-Freeze
Post Hydrant with Wheel Handle

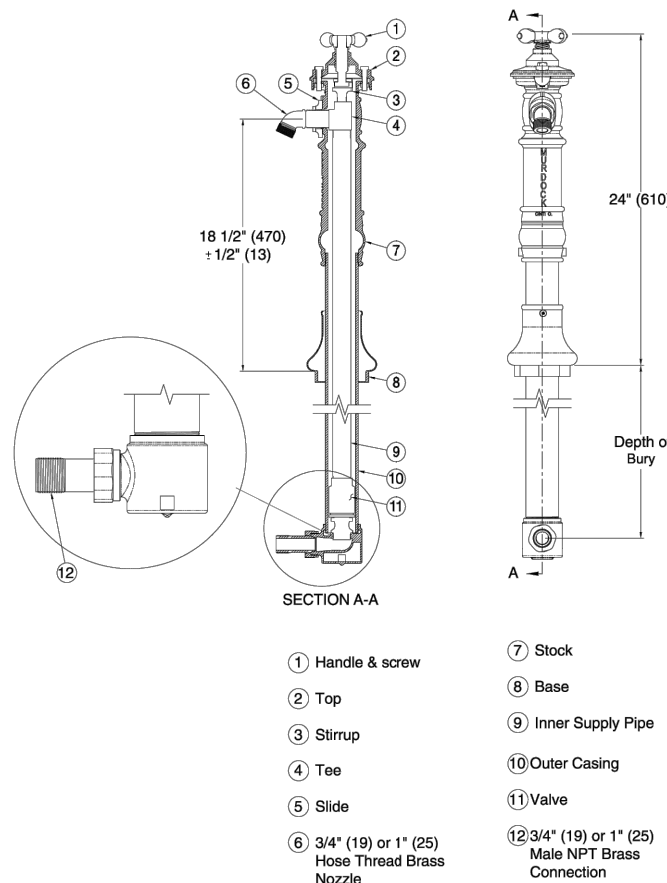
FUNCTION:

Fig. 5960 or 5961 delivers year-round service outside or in unheated buildings. To provide freeze resistant functionality, the control valve is located below the frost line. Turning the handle raises or lowers the internal supply-line assembly, controlling the valve. Hydrant must be operated fully "on." Constructed of heavy red brass, premium-quality gray iron and steel, Fig. 5960 or 5961 is designed for trouble-free reliability and easy maintenance.

PRODUCT FEATURES:

- 3/4" (19) or 1" (25) bottom connection (available with N.P.T. tapping to connect to draw line).
- Constructed of heavy-duty red brass, quality gray iron and steel
- Freeze resistant
- Specify -BFH for Ball Check Valve and Vacuum Breaker
- Ideal for year-round service such as in parks, picnic areas, farms, or unheated buildings

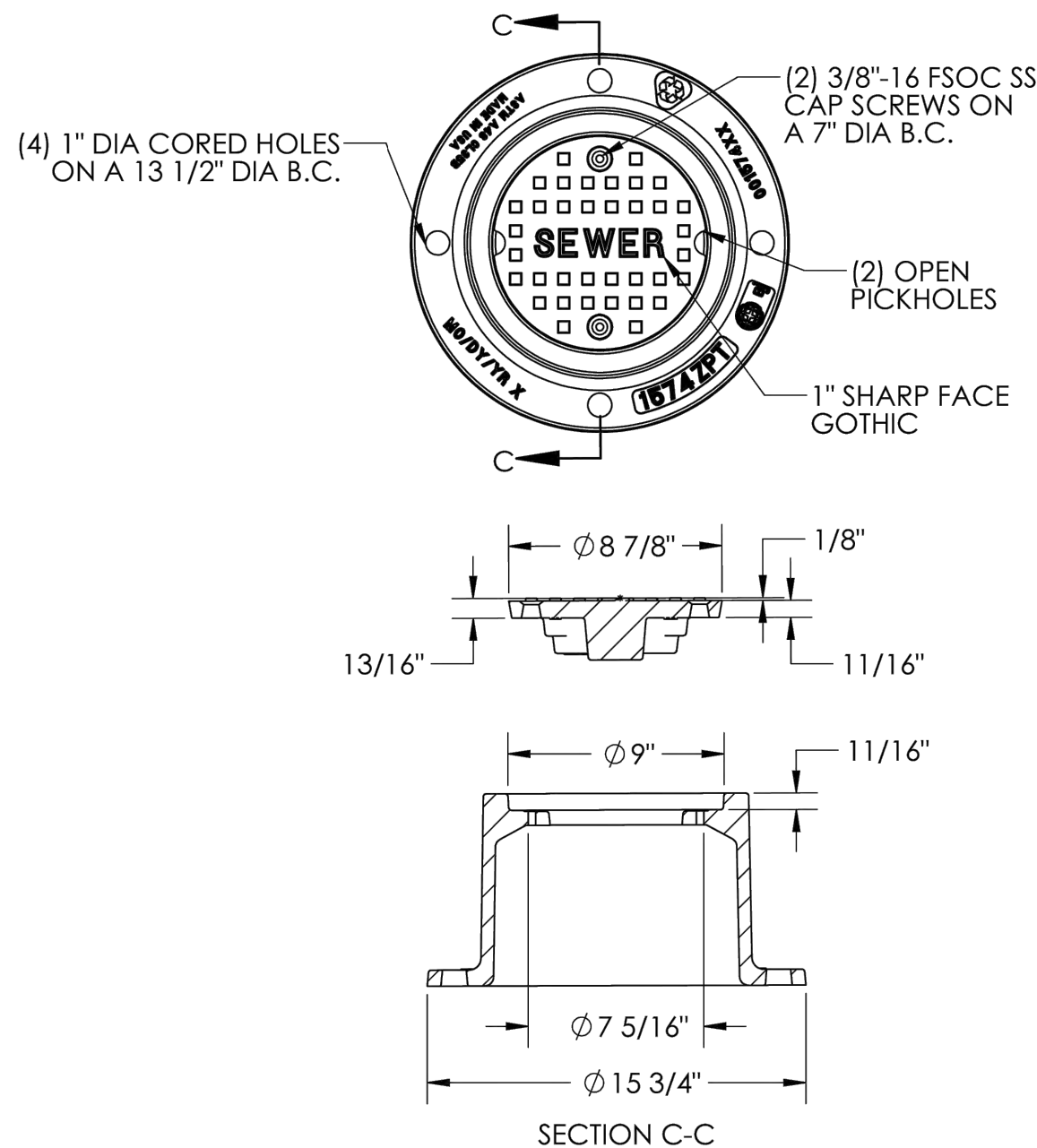
19 JAY R. SMITH MFG. CO. 800.467.6484 www.jrsmith.com



NOTE: Dimensions shown in parentheses are in millimeters.

A1

1574ZPT/APT Assembly



Product Number
00157433B01

Design Features

- Materials
Cleanout/Monument Box Frame
Gray Iron (CL358)
Cleanout/Monument Box Cover
Gray Iron (CL358)

- Load Rating
Heavy Duty
- Open Area
n/a
- Coating
Dipped
- √ Designates Machined Surface

Certification

- ASTM A48
-

Major Components

- 00157412
- 00157433

Drawing Revision

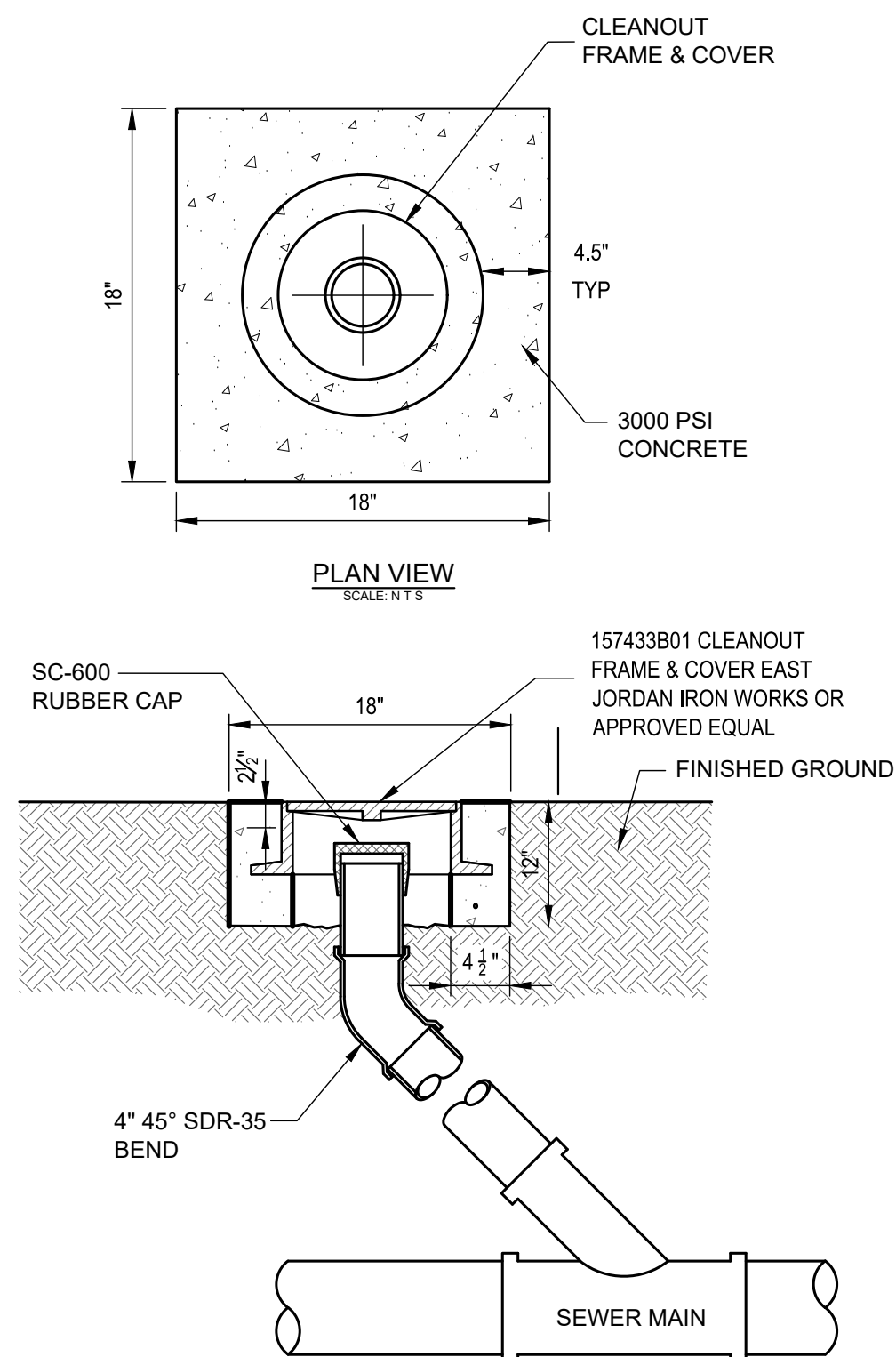
- 04/05/2017 Designer: DAE
- 10/8/2024 Revised By: MAH

Disclaimer

Weights (Rings), dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.
CONFIDENTIAL: This drawing is the property of EJ Group, Inc. and embodies confidential information, registered marks, patents, trade secret information, and/or know-how that is the property of EJ Group, Inc. Copyright © 2015 EJ Group, Inc. All rights reserved.

Contact
800.626.4653
ejco.com

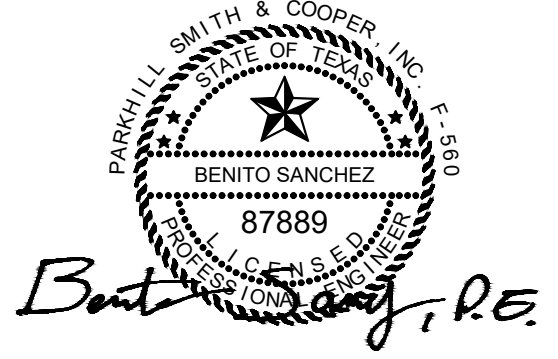
A2



A3

IN LINE CLEANOUT
NOT TO SCALE

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10/10/2025

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76527

PROJECT NO.
42058.23

- 10/10/2025 Construction Documents

DATE DESCRIPTION

Utility Details
CU502

GENERAL REQUIREMENTS

- A. REFER TO SPECIFICATIONS FOR SPECIFIC REQUIREMENTS FOR MATERIALS, PRODUCTS, HANDLING, AND INSTALLATION.
- B. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE. THE CONTRACTOR SHALL NOT CONSTRUCTURE REACHES ITS FINAL CONDITION, AND ALL DIAPHRAGMS, BRACES, AND/OR SHEAR WALLS ARE INSTALLED.
- C. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND REMOVAL OF TEMPORARY BRACING AND CONSTRUCTION SUPPORTS FOR NEW AND EXISTING STRUCTURES, AS NECESSARY TO COMPLETE THE PROJECT. NO PORTION OF THE PROJECT WHILE UNDER CONSTRUCTION IS INTENDED TO BE STABLE IN THE ABSENCE OF THE CONTRACTOR'S TEMPORARY SUPPORTS AND BRACES. CONTRACTOR SHALL RETAIN A STRUCTURAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED TO DESIGN TEMPORARY BRACING AND CONSTRUCTION SUPPORTS.
- D. APPLY DETAILS, SECTIONS, AND NOTES ON THE DRAWINGS WHERE CONDITIONS ARE SIMILAR TO THOSE INDICATED ON DETAILS, TITLES, OR NOTES.
- E. ONLY USE DIMENSIONS INDICATED ON THE DRAWINGS. DO NOT SCALE DRAWINGS.
- F. THE CONTRACTOR SHALL VERIFY ALL OPENING SIZES AND LOCATIONS WITH OTHER DISCIPLINES. THE DRAWINGS DO NOT SHOW ALL OPENINGS REQUIRED. ADDITIONAL OPENINGS, BLOCKOUTS, AND SLEEVES MAY BE REQUIRED BY OTHER DISCIPLINES AND SHALL BE CONSTRUCTED USING THE TYPICAL DETAILS AND/OR THE CRITERIA INDICATED ON THE DRAWINGS. OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS MUST BE APPROVED BY THE STRUCTURAL ENGINEER.
- G. REFER TO ARCHITECTURAL, CIVIL, MEP, AND VERTICAL TRANSPORTATION CONTRACT DOCUMENTS FOR ADDITIONAL INFORMATION RELATING TO THE COORDINATION OF STRUCTURAL COMPONENTS INCLUDING, BUT NOT LIMITED TO:
- a. CIVIL:
1. SITING OF BUILDING GRID LINES WITH RESPECT TO CITY BENCHMARKS
2. SITE PREPARATION
3. BACKFILLING MATERIALS AND REQUIREMENTS
4. PAVING AND SITE ELEMENTS OUTSIDE OF BUILDING ENVELOPE
5. NEW AND EXISTING SITE UTILITIES
- b. ARCHITECTURAL:
1. PLAN DIMENSIONS AND PROJECT DATUM
2. SLAB EDGE DIMENSIONS
3. FINISH ELEVATION
4. WATERPROOFING AND DAMP-PROOFING DETAILS
5. RAMP GEOMETRY, PITS, SLAB SLOPES, AND DEPRESSIONS
6. EMBEDMENTS, INSERTS, BLOCKOUTS, ETC.
7. EXACT OPENING SIZES FOR PIPES, DUCT, ETC.
8. CONCRETE FINISHES AND TOPPING SLABS
9. CONCRETE CURBS AND HOUSEKEEPING PADS
10. INTERIOR NON-STRUCTURAL MASONRY PARTITIONS
11. FIRE RATINGS
12. METAL PAN STAIRS AND SUPPORTS
13. OPERABLE PARTITIONS
- c. MEP:
1. PIPE AND DUCT SIZES FOR OPENINGS AND SLEEVE COORDINATION
2. FLOOR DRAINS
3. UNDERFLOOR AND PERIMETER DRAINAGE SYSTEMS
4. EQUIPMENT CURBS
5. CONDUITS AND EMBEDMENTS IN WALLS AND SLABS
- d. VERTICAL TRANSPORTATION:
1. INSERTS, HANGERS, TRENCHES, PITS, AND CONDUITS IN WALLS AND SLABS
2. EQUIPMENT SUPPORT, ELEVATOR DIVIDER BEAMS, EMBEDMENTS, AND ANCHOR RODS
- H. ELEVATOR GUIDERAIL SUPPORTS, MACHINE ROOMS, PITS, AND PENTHOUSES ARE BASED ON ELEVATOR TYPES INDICATED ON ARCHITECTURAL CONTRACT DOCUMENTS. CONTRACTOR SHALL SUBMIT FOR REVIEW ANY PLANNED CHANGE TO ELEVATOR(S) TO DESIGN PROFESSIONALS PRIOR TO SUBMITTING CORRESPONDING STRUCTURAL SHOP DRAWINGS FOR ACTION.
- I. STRUCTURAL COMPONENTS ARE NOT DESIGNED FOR VIBRATING EQUIPMENT. MOUNT VIBRATING EQUIPMENT ON VIBRATING ISOLATORS.

MATERIAL PROPERTIES

STEEL	
WIDE FLANGE MEMBERS	ASTM A992 - GRADE 50
C, MC CHANNEL MEMBERS	ASTM A992 - GRADE 50
STEEL PIPE	ASTM A53 - GRADE 50
STEEL TUBE	ASTM A500 GRADE C - 50 KSI
OTHER STEEL SHAPES	ASTM A572 - GRADE 50
STEEL PLATE	ASTM A36 - 36 KSI
CONCRETE	
SLABS & FOOTINGS	4000 PSI
GRADE BEAMS	4000 PSI
MASONRY	
MINIMUM PRISM STRENGTH	1800 PSI
REINFORCING	
TYPICAL	ASTM A-615 - GRADE 60
LOW ALLOY/WELDABLE	ASTM A-706 - GRADE 60
ANCHOR RODS	ASTM F-1554 - GRADE 36 UNO
BOLTS	ASTM A325 (3/4") DIAMETER
MINIMUM)	
WELD	
STRUCTURAL STEEL	E70XX
LIGHT GAUGE METALS	E60XX

DESIGN LOADS

- A. ALL APPLICABLE DEAD LOADS
- B. LIVE LOADS:
- ROOF LIVE LOAD: 20 PSF
- FLOOR LIVE LOAD: 100 PSF
- 20 PSF
- C. COLLATERAL LOAD:
- D. SNOW LOAD: PER ASCE 7-10
- GROUND SNOW LOAD, P_g: XX PSF
- FLAT-ROOF SNOW LOAD, P_f: XX PSF
- DRIFT SURCHARGE LOAD(S) P_d: XX
- SNOW EXPOSURE FACTOR, C_e: XX
- SNOW LOAD IMPORTANCE FACTOR, I_s: XX
- THERMAL FACTOR, C_t: XX
- SLOPE FACTOR(S), C_s: XX
- WIDTH OF SNOW DRIFT(S), w: XX
- E. LATERAL SOIL PRESSURE: 60 PCF
- F. WIND LOAD: PER ASCE 7-10
- BASIC WIND SPEED 115 MPH
- EXPOSURE CATEGORY C
- G. SEISMIC LOADS: PER IBC 2012
- BUILDING CATEGORY: III
- SEISMIC IMPORTANCE FACTOR, I_e: 1.25
- MAPPED SPECTRAL RESPONSE ACCELERATION, S_s: XX%g
- MAPPED SPECTRAL RESPONSE ACCELERATION, S₁: XX%g
- SITE CLASS: C
- SPECTRAL RESPONSE COEFFICIENT, S_{ps}: XX
- SPECTRAL RESPONSE COEFFICIENT, S_{dp1}: XX
- SEISMIC DESIGN CATEGORY: XX
- BASIC SEISMIC FORCE RESISTING SYSTEM: XX
- DESIGN BASE SHEAR, V: XX k
- SEISMIC RESPONSE COEFFICIENT, C: 0.01
- RESPONSE MODIFICATION FACTOR, R: XX
- ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE

- H. DISTRIBUTE THE MAXIMUM LOAD HUNG FROM ANY STRUCTURAL MEMBER FOR MEP DUCTWORK, PIPING, ETC. OVER THE MEMBER'S TRIBUTARY AREA IN A WAY THAT THE DESIGN SUPERIMPOSED DEAD LOADS LISTED IN CONTRACT DOCUMENTS ARE NOT EXCEEDED. HANGING ITEMS FROM DECK IS STRICTLY PROHIBITED. THE CONTRACTOR SHALL COORDINATE THE LOADS OF ALL TRADES AND PROVIDE ADDITIONAL SUPPORT OR DISTRIBUTION FRAMING AS REQUIRED TO ACHIEVE THE ALLOWABLE LOAD DISTRIBUTION.

FOUNDATIONS

- A. ALL FOOTINGS ARE DESIGNED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 2500 POUNDS PER SQUARE FOOT AT A MINIMUM DEPTH OF 2 FEET BELOW 100'-0" FINISHED FLOOR ELEVATION.
- B. ALL EXTERIOR GRADE BEAMS SHALL BE CHAMFERED 3/4 INCH ON THE EXPOSED EXTERIOR CORNER.
- C. REFER TO THE SOIL REPORT FOR SUBSOIL CONDITIONS THAT MAY BE ENCOUNTERED IN THE INSTALLATION OF FOUNDATIONS, AND OTHER INFORMATION RELEVANT TO FOUNDATIONS AND SITE PREPARATION.
- D. DESIGN OF FOUNDATIONS AND STRUCTURAL COMPONENTS IN CONTACT WITH SOIL IS BASED ON THE RECOMMENDATIONS GIVEN IN THE FOLLOWING GEOTECHNICAL REPORT:
- REPORT BY : TERRACON CONSULTANTS
- DATE OF REPORT : SEPTEMBER 30, 2021
- REPORT NUMBER : AC215028

SITE PLANNING AND FILL NOTES

- A. PROPER CONSTRUCTION DRAINAGE SHALL BE PROVIDED AND MAINTAINED AT ALL TIMES DURING FOUNDATION CONSTRUCTION. PONDING OF WATER AT THE SITE SHOULD BE AVOIDED DURING ALL PHASES OF CONSTRUCTION.
- B. ON-SITE STRUTATUM 1 DARK BROWN FAT CLAY SOILS SHALL BE EXCAVATED TO A DEPTH OF 4 FEET BELOW EXISTING GRADE. IF STRATUM 2 LIGHT BROWN LEAN CLAY SOILS ARE ENCOUNTERED THE EXCAVATION MAY BE TERMINATED AT 3 FEET OF DEPTH BELOW EXISTING GRADE. REMOVAL SHALL EXTEND 5 FOOT BEYOND BUILDING AREAS AND ATTACHED WALKWAYS.
- C. TREE STUMPS, IF ENCOUNTERED, SHOULD BE COMPLETELY REMOVED.
- D. PROOF ROLL EXPOSED SUBGRADE WITH A 20-TON PNEUMATIC ROLLER, FULLY-LOADED DUMP TRUCK, OR SIMILAR EQUIPMENT TO DETECT WEAK ZONES IN THE SUBGRADE. PROOF-ROLLING IS NOT NECESSARY IN INTACT STRATUM 3 LIMESTONE SUBGRADE AREAS. WEAK AREAS DETECTED DURING PROOF ROLLING SHOULD BE REMOVED AND REPLACED WITH SIMILAR SOILS.
- E. AFTER PROOF-ROLLING, AND JUST PRIOR TO PLACEMENT OF FILL, THE EXPOSED SOIL SUBGRADE SHALL BE EVALUATED FOR MOISTURE AND DENSITY THROUGH FIELD DENSITY TESTING. IF THE MOISTURE AND/OR DENSITY DO NOT MEET THE REQUIREMENTS BELOW, THE SUBGRADE SHOULD BE SCARIFIED TO A MINIMUM DEPTH OF 6 INCHES, MOISTURE CONDITIONED AND COMPACTED AS PER THE FILL COMPACTION REQUIREMENTS. MOISTURE-DENSITY TESTING IS NOT REQUIRED IN CUT AREAS THAT EXPOSE THE STRATUM 3 LIMESTONE SUBGRADE, PROVIDED THE STRATUM 3 LIMESTONE SUBGRADE IS PROOF-ROLLED.
- F. AS AN ALTERNATIVE TO MOISTURE-DENSITY TESTING OF THE SUBGRADE, THE SUBGRADE MAY BE OVER-EXCAVATED AN ADDITIONAL 6 INCHES TO ALLOW FOR PLACEMENT AND COMPACTION OF AN ADDITIONAL 6 INCHES OF SELECT FILL. IF THIS OPTION IS SELECTED, THE ADDITIONAL EXCAVATION SHOULD B E MADE PRIOR TO PROOF-ROLLING.
- G. BUILDING PAD SHALL BE RAISED TO PROPER ELEVATION USING SELECT FILL COMPACTED IN 8 INCH MAXIMUM LOOSE LIFTS TO 95 PERCENT OF ASTM D698 MAXIMUM DENSITY, OR AS PRESCRIBED BY THE GEOTECHNICAL ENGINEER. MOISTURE SHALL BE CONTROLLED TO WITHIN 3 PERCENT OF OPTIMUM PER ASTM D698 DURING COMPACTION OPERATIONS.
- H. FOOTINGS MAY BE BACK FILLED USING SATISFACTORY SOILS AS SPECIFIED, COMPACTED IN 6 INCH MAXIMUM LOOSE LIFTS TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D698.
- I. UTILITY TRENCHES WITHIN BUILDING OR PAVING AREAS SHALL BE FILLED PER THE ABOVE CRITERIA.

CONCRETE

- A. ALL EXTERIOR CONCRETE, INCLUDING WALKS AND CURBS OUTSIDE THE BUILDING LINE, SHALL BE AIR ENTRAINED.
- B. PROVIDE STANDARD BAR CHAIRS AND SPACERS FOR REINFORCING AT A MAXIMUM OF 4 FOOT CENTER TO CENTER FOR ALL SLABS AND BEAMS.
- C. LAP CONTINUOUS UNSCHEDULED REINFORCING BARS AS FOLLOWS: BOTTOM BARS IN MEMBERS SUPPORTED BY COLUMNS OR FOOTINGS - 12 INCH AT SUPPORTS ONLY; ALL OTHERS - (36) BAR DIAMETERS MINIMUM.
- D. ALL HORIZONTAL REINFORCING IN CONTINUOUS FOOTINGS AND WALLS SHALL BE CONTINUOUS AROUND CORNERS OR HAVE CORNER BARS OF THE SAME SIZE AND SPACING AS THE HORIZONTAL BARS AND LAP A MINIMUM OF (30) BAR DIAMETERS OR 24 INCH MINIMUM.
- E. THERE SHALL BE NO HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE BEAM, FOOTING, OR SLAB POURS. ALL CONSTRUCTION JOINTS SHALL BE MADE WITHIN THE CENTER THIRD OF SPANS WITH VERTICAL BULKHEADS. THE LOCATION OF CONSTRUCTION JOINTS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER.
- F. WHERE CONCRETE PILASTERS, COLUMNS, OR BEAMS ARE TO BE LEFT EXPOSED AND DO NOT ABUT OTHER MATERIALS, EXTERNAL CORNERS SHALL BE CHAMFERED 3/4 INCH.
- G. WHERE SLEEVES ARE REQUIRED THROUGH BEAMS OR JOISTS, VERTICAL OR HORIZONTAL PIPE SLEEVES SHALL BE PROVIDED AS SPECIFIED UNDER THE MECHANICAL AND ELECTRICAL SECTIONS OF THE SPECIFICATION. LOCATION OF ALL SUCH SLEEVES SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. WHERE NECESSARY FOR STRUCTURAL REASONS, BEAMS OR JOISTS SHALL BE WIDENED TO COMPENSATE FOR THE LOSS OF CROSS SECTION DUE TO THE SLEEVE. ADD ONE EXTRA TIE OR STIRRUP ON BOTH SIDES OF EACH SLEEVE. WHERE TWO OR MORE PIPE SLEEVES ARE REQUIRED THROUGH CONCRETE SLABS, A DISTANCE EQUAL TO THREE TIMES THE LARGER SLEEVE DIAMETER SHALL BE PROVIDED BETWEEN SLEEVES.

FLOOR SLABS

- A. ELEVATED FLOOR SLABS SHALL BE POURED MONOLITHICALLY OR POUR STOPS MAY BE PLACED AT MOMENT FRAME LINES.
- B. CURING SLABS ON GRADE
- a. SLABS ON GRADE SHALL BE WET CURED FOR 7 DAYS AFTER CONCRETE PLACEMENT. WET CURING SHALL BEGIN IMMEDIATELY AFTER FINAL FINISHING OF SLAB SURFACE AND SHALL CONSIST OF CONTINUOUS MISTING BY SPRINKLER OR WET BURLAP. CONTRACTOR SHALL APPLY APPROVED CURING COMPOUND.
- C. CURING ELEVATED SLABS
- a. ELEVATED SLABS SHALL BE CURED BY APPLYING SHEETS OF PLASTIC OVER THE SURFACE FOR 7 DAYS AFTER CONCRETE PLACEMENT. CONTRACTOR SHALL APPLY APPROVED CURING COMPOUND AFTER REMOVAL OF PLASTIC SHEETS.
- D. FLOOR SLAB ISOLATION JOINTS SHALL BE 30 POUND FELT, UNLESS NOTED OTHERWISE.
- E. CONCRETE FLOOR SLAB ON GRADE SHALL BE PLACED IN LANES. SPACING OF JOINTS SHALL BE AS SHOWN ON THE FOUNDATION PLANS. CONSTRUCTION JOINTS SHALL BE USED FOR THE JOINTS BETWEEN LANES, WHILE WEAKENED PLANE JOINTS SHALL BE USED ACROSS EACH LANE.
- F. CONSTRUCTION AND CONTRACTION JOINTS SHALL BE LOCATED AS INDICATED ON THE PLAN. WHERE CONTRACTION JOINTS ARE INDICATED, SAW CUTTING SHALL BEGIN AS SOON AS POSSIBLE WITHOUT DAMAGING THE SLAB.

STRUCTURAL STEEL

- A. STRUCTURAL STEEL DETAILS AND CONNECTIONS SHALL CONFORM TO THE STANDARDS OF THE AISC.
- B. MODIFYING OR SPLICING OF STRUCTURAL STEEL MEMBERS IS PROHIBITED WITHOUT PRIOR APPROVAL OF THE ENGINEER AS TO LOCATION AND TYPE OF MODIFICATION OR SPLICE TO BE MADE. ANY MEMBER HAVING A MODIFICATION OR SPLICE NOT SHOWN AND DETAILED ON SHOP DRAWINGS WILL BE REJECTED.
- C. ALL WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY CODE AND SHALL BE DONE BY CERTIFIED WELDERS.
- D. WELD ALL CAP PLATES AND BASE PLATES TO COLUMNS WITH CONTINUOUS 1/4 INCH FILLET WELDS UNLESS NOTED OTHERWISE.
- E. INCLUDE AN ALLOWANCE OF 1 TON OF STRUCTURAL STEEL TO BE USED AS DIRECTED IN THE FIELD FOR SPECIAL CONDITIONS NOT COVERED BY NOTE OR DRAWING (LABOR FOR ERECTING SAME TO BE INCLUDED).

REINFORCEMENT AND MISC STEEL

- A. UNLESS OTHERWISE NOTED, CONCRETE COVER OVER STEEL REINFORCEMENT SHALL CONFORM TO THE MINIMUMS REQUIRED BY THE AFOREMENTIONED EDITION OF ACI 318.
- B. REINFORCEMENT DETAILING AND PLACEMENT SHALL CONFORM TO ACI 318 AND ACI 315, EXCEPT WHERE OTHERWISE INDICATED.
- C. SUBSTITUTION OF EXPANSION ANCHORS FOR EMBEDDED ANCHORS WILL BE REJECTED.
- D. ALL REINFORCING STEEL, ANCHOR BOLTS, AND EMBEDDED ANCHORS SHALL BE SECURELY SET IN PLACE PRIOR TO PLACEMENT OF CONCRETE.

GENERAL SHEAR CONNECTION NOTES

- A. MINIMUM CLEAR SPACING OF BOLTS = 3 INCHES.
- B. ALL BEAM TO BEAM AND BEAM TO COLUMN CONNECTION PLATES AND ANGLES TO BE ASTM GR A36.
- C. MINIMUM DISTANCE FROM COPED EDGE TO CENTER OF NEAREST BOLT IS 1 1/2 INCHES.
- D. MAXIMUM TOP FLANGE COPE IS 1 1/2 INCHES.
- E. MAXIMUM DISTANCE FROM CENTER OF BOLT TO FACE OF SUPPORT FOR SINGLE PLATE SHEAR CONNECTIONS IS 3 INCHES.
- F. DOUBLE ANGLE CONNECTIONS UTILIZE THE LONGER LEG AS THE OUTSTANDING LEG (I.E. THE LONGER LEG CONNECTS TO THE SUPPORT). DISTANCE FROM END OF BEAM TO SUPPORT SHALL BE MAXIMUM OF 1/2 INCH IN ALL CASES.
- H. ALL SHEAR CONNECTIONS NOT DETAILED OR OTHERWISE NOTED SHALL BE STANDARD AISC WELDED OR AISC BOLTED CONNECTIONS AND SHALL HAVE SUFFICIENT CAPACITY TO SUPPORT THE END REACTION SHOWN ON THE DRAWINGS.

MAX END SHEAR REACTION	
BEAM	LOAD (KIPS)
W12	15

STEEL DECK

- A. ROOF DECK A
- a. PROFILE: 1.5B
- b. GAUGE: 20
- B. ROOF DECK B
- a. PROFILE: 1.5BA
- b. GAUGE: 20
- C. FASTEN DECK TO SUPPORTING MEMBERS AS SHOWN IN TYPICAL STEEL DECK ATTACHMENT PATTERN DETAIL.
- D. SUSPENDED CEILING, LIGHTS, DUCTWORK, OR OTHER UTILITIES MAY NOT BE SUPPORTED BY THE STEEL DECK.
- E. DECK CONNECTIONS TO SUPPORTING STEEL SHALL BE MADE BY WELDING OR DIRECT FASTENING METHODS. THE REQUIREMENTS ARE AS FOLLOWS:
- a. WELDING REQUIREMENTS:
1. SUPPORT AND PARALLEL EDGE CONNECTIONS SHALL BE 5/8 INCH DIAMETER FULL-DEPTH WELDS.
- b. DIRECT FASTENING REQUIREMENTS:
1. SUPPORT AND PARALLEL EDGE CONNECTIONS SHALL BE HILTI X-HSN 24 (ESR-3592) WHERE THE STEEL BASE MATERIAL THICKNESS IS BETWEEN 1/8 INCH AND 3/8 INCH AND X-ENP19 (ESR-2776) WHERE THE STEEL BASE MATERIAL THICKNESS IS GREATER THAN 1/4".
- F. CONTRACTOR SHALL SELECT ONE METHOD OF CONNECTIONS TO SUPPORT MEMBERS TO USE THROUGHOUT THE PROJECT. MIXING WELDS AND DIRECT FASTENERS FOR CONNECTIONS TO SUPPORTING STEEL IS NOT PERMITTED.
- G. SIDELAP CONNECTIONS SHALL BE AS FOLLOWS:
- a. WELDED SUPPORTS:
1. NUMBER 10 HEX HEAD SCREWS FOR DECK MARK A AND WELDED FOR DECK MARKS B AND C.
- b. DIRECT FASTENER SUPPORTS:
1. NUMBER 10 HEX HEAD SCREWS FOR DECK MARKS A AND PROPRIETARY CONNECTOR CAPABLE OF PROVIDING THE REQUIRED SHEAR CAPACITY FOR INSTALLATION MARK iii FOR DECK MARKS B AND C.

LIGHT GAUGE STEEL

- A. PRODUCT IDENTIFICATION
- a. NOMENCLATURE
- 362 S 162 43
- WEB SIZE MEMBER TYPE THICKNESS(mils) FLANGE SIZE
- b. THICKNESS:
- | GAUGE | DESIGN | MINIMUM | ALSI |
|-------|---------|---------|---------|
| 20 | 0.0346" | 0.0329" | 33 mils |
| 18 | 0.0451" | 0.0428" | 43 mils |
| 16 | 0.0566" | 0.0538" | 54 mils |
| 14 | 0.0713" | 0.0677" | 68 mils |
| 12 | 0.1017" | 0.0966" | 97 mils |
- B. STUD FRAMING
- a. ALL FIELD CUTTING OF STUDS MUST BE DONE BY SAWING, SHEARING, OR PLASMA CUTTING. OTHER TORCH CUTTING METHODS OF COLD-FORMED STEEL MEMBERS ARE UNACCEPTABLE.
- b. NOTCHING OR COPING OF STUDS IS NOT ALLOWED, UNLESS NOTED OTHERWISE.
- c. FRAMING FABRICATOR IS TO ENSURE PUNCH OUT ALIGNMENT WHEN ASSEMBLING LATERAL BRACING AND FIELD CUTTING STUDS TO LENGTH. LATERAL BRACING MUST BE INSTALLED AT THE TIME THE WALL IS ERECTED.
- d. FLOOR JOISTS OR ROOF RAFTERS MUST BEAR DIRECTLY OVER STUDS.
- e. ALL HEADERS ARE TO BE CONSTRUCTED WITH UNPUNCHED MATERIAL ONLY.
- f. THE MAXIMUM ALLOWABLE GAP (MEASURED BETWEEN THE WEB OF THE STUD AND THE WEB OF THE TRACK) FOR A STUD SEATED IN A TRACK IS 1/8". PRESSURE SHOULD BE APPLIED TO NEST THE STUDS INTO THE TRACK UNTIL THE AFOREMENTIONED TOLERANCE IS ACHIEVED.
- C. CONNECTIONS
- a. FOR SCREW CONNECTIONS, A MINIMUM OF 1.5 x SCREW DIAMETER CLEARANCE MUST BE MAINTAINED FROM ALL EDGES OF STEEL MEMBERS. A MINIMUM OF 3.0 x SCREW DIAMETER ON-CENTER SPACING MUST BE MAINTAINED BETWEEN ADJACENT SCREWS. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY THAT FASTENERS ARE INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.

POST-INSTALLED ANCHORS

- EXCEPT WHERE INDICATED ON THE DRAWINGS, POST-INSTALLED ANCHORS SHALL CONSIST OF THE FOLLOWING ANCHOR TYPES, AS PROVIDED BY HILTI, INC. OR APPROVED EQUAL. CONTACT HILTI AT (800) 879-8000 FOR PRODUCT RELATED QUESTIONS.
- A. ANCHORS TO CONCRETE
- a. ADHESIVE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE:
1. HILTI HIT-HY 200 V3 SAFE SET SYSTEM WITH HILTI HIT-Z ROD PER ICC ESR-3187.
2. HILTI HIT-HY 200 V3 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT (TE-CD OR TE-YD) AND VC 140 VACUUM SYSTEM WITH HAS-E-55 THREADED ROD PER ICC ESR-3187.
3. HILTI HIT-HY 200 V3 SAFE SET SYSTEM WITH HILTI ROUGHENING TOOL (HIT RT) WITH HAS-E THREADED ROD PER ICC ESR-3187 FOR DIAMOND CORED HOLES.
4. HILTI HIT-RE-500-V3 SAFESSET SYSTEM WITH HILTI HOLLOW DRILL BIT (TE-CD OR TE-YD) AND VC 140 VACUUM WITH HAS-E-55 THREADED ROD PER ICC ESR-3814 FOR SLOW CURE APPLICATIONS.
5. HILTI HIT-RE 500-V3 SAFESSET SYSTEM WITH HILTI ROUGHENING TOOL (HIT RT) WITH HAS-E THREADED ROD PER ICC ESR-3814 FOR DIAMOND CURED HOLES.
- b. MEDIUM DUTY MECHANICAL ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE:
1. HILTI KWIK HUS E2 AND KWIK HUS E2-I SCREW ANCHORS SAFE SET SYSTEM WITH HOLLOW DRILL BIT AND VACUUM SYSTEM PER ICC ESR-3027.
2. HILTI KWIK BOLT-T22 EXPANSION ANCHORS SAFE SET SYSTEM WITH HOLLOW DRILL BIT AND VACUUM SYSTEM AND SH-AT-A22 WITH ADAPTIVE TORQUE PER ICC ESR-1017.
3. HILTI KWIK BOLT 1 (CARBON STEEL) OR KWIK BOLT 3 (OTHERS), EXPANSION ANCHOR SAFE SET SYSTEM WITH HOLLOW DRILL BIT AND VACUUM SYSTEM AND SH-AT-A22 WITH ADAPTIVE TORQUE (UNCRAKED CONCRETE ONLY) PER ICC ESR-2302.
- c. HEAVY DUTY MECHANICAL ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE:
1. HILTI HDA UNDERCUT ANCHORS PER ICC ESR 1546.
2. HILTI HSL-3 EXPANSION ANCHORS PER ICC ESR 1545
- B. REBAR DOWELING INTO CONCRETE
- a. ADHESIVE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE:
1. HILTI HIT-HY 200 V3 SAFE SET SYSTEM WITH HOLLOW DRILL BIT (TE-CD OR TE-YD) AND VC 140 VACUUM SYSTEM WITH CONTINUOUSLY DEFORMED REBAR PER ICC ESR-3187.
2. HILTI HIT-HY 200 V3 SAFESSET SYSTEM WITH HILTI ROUGHENING TOOL (HIT RT) WITH HAS-E THREADED ROD PER ICC ESR-3187 FOR DIAMOND CORED HOLES.
3. HILTI HIT-RE 500-V3 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT (TE-CD OR TE-YD) AND VC 140 VACUUM SYSTEM WITH CONTINUOUSLY DEFORMED REBAR PER ICC ESR-3814.
4. HILTI HIT-RE 500-V3 SAFE SET SYSTEM WITH HILTI ROUGHENING TOOL (HIT RT) WITH CONTINUOUSLY DEFORMED REBAR PER ICC ESR-3814 IN DIAMOND CORED HOLES.
- C. ANCHORAGE TO SOLID GROUTED MASONRY
- a. ADHESIVE ANCHORS USE:
1. HILTI HIT-HY 270 MASONRY ADHESIVE ANCHORING SYSTEM (ICC ESR-4143).
2. STEEL ANCHOR ELEMENT SHALL BE HILTI HAS-E CONTINUOUSLY THREADED ROD (OR EQUAL) OR CONTINUOUSLY DEFORMED STEEL REBAR.
- b. MECHANICAL ANCHORS USE:
1. HILTI KWIK BOLT 1 (CARBON STEEL) OR KWIK BOLT 3 (OTHERS), EXPANSION ANCHOR SAFE SET SYSTEM PER ICC ESR-1395.
2. STEEL ANCHOR ELEMENT SHALL BE HILTI HAS-E CONTINUOUSLY THREADED ROD (OR EQUAL) OR CONTINUOUSLY DEFORMED STEEL REBAR.
3. THE APPROPRIATE SIZE SCREEN TUBE SHALL BE USED PER ADHESIVE MANUFACTURER'S RECOMMENDATION.
- E. ANCHOR CAPACITY USED IN DESIGN SHALL BE BASED ON THE TECHNICAL DATA PUBLISHED BY HILTI OR SUCH OTHER METHOD AS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBMITTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED BY THEIRS HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE AND INSTALLATION TEMPERATURE.
- F. INSTALL ANCHOR PER THE MANUFACTURER INSTRUCTION, AS INCLUDED IN THE ANCHOR PACKAGING.
- G. OVERHEAD ADHESIVE ANCHORS MUST BE INSTALLED USING THE HILTI PROFIS SYSTEM.
- H. THE CONTRACTOR SHALL ARRANGE FOR AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ON-SITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO COMMENCEMENT OF INSTALLING ANCHORS.
- I. ANCHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
- J. EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURAL DRAWINGS MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED OTHERWISE THAT THE BARS CAN BE CUT, THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS BY HILTI FERROSCAN, GPR, X-RAYING, CHIPPING, OR OTHER APPROVED MEANS.



10/10/2025

Parkhill.com

Williamson County Canine Training Facility
Texas Highway Patrol Canine Training and Housing Facility



CLIENT

Department of Public Safety

810 County Road 240 Florence, TX 76527

PROJECT NO.
42058.23

- 10/10/2025 Construction Documents

DATE DESCRIPTION

General Notes

S-001

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ABBREVIATIONS	
A	
ACI	AMERICAN CONCRETE INSTITUTE
ADDL	ADDITIONAL
ADDM	ADDENDUM
ADH	ADDENDUM
ADJ	ADJUSTABLE, ADJACENT
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
AIA	AMERICAN INSTITUTE OF ARCHITECTS
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE
ALUM	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
APPROX	APPROXIMATE
ARCH	ARCHITECT(URE)(URAL)
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
AVG	AVERAGE
AW	AFTER WELD
AWG	AMERICAN WIRE GAGE
AWS	AMERICAN WELDING SOCIETY
B	
B PL	BASE PLATE
BBM	BOND BEAM
BIA	BRICK INSTITUTE OF AMERICA
BL	BASE LINE, BUILDING LINE
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BO	BOTTOM OF
BOS	BOTTOM OF STEEL
BOT	BOTTOM (BOTTOM FACE, LAYER, SIDE)
BRCG	BRACING
BRDG	BRIDGING
BRG	BEARING
BTWN	BETWEEN
C	
C	AMERICAN STANDARD CHANNEL, (STRUCTURAL SHAPE), COMPRESSION
CFMF	COLD-FORMED METAL FRAMING
CHFR	CHAMFER
CIP	CAST-IN-PLACE
CIRC	CIRCULAR
CJ	CONTROL JOINT
CL	CENTER LINE, COLUMN LINE
CLG	CEILING
CLR	CLEAR, CLEARANCE
cm	CENTIMETER
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMP	COMPRESSION
CONC	CONCRETE
CONN	CONNECT, CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUE, CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CRCMF	CIRCUMFERENCE
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE
CTR	CENTER
CU FT	CUBIC FOOT
CU YD	CUBIC YARD
D	
D	DEPTH
db	REINFORCING BAR DIAMETER
DBL	DOUBLE
DEG	DEGREE
DMO	DEMOLISH
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DL	DEAD LOAD
DWG	DRAWING
DWL	DOWEL(S)
E	
E	EAST, MODULUS OF ELASTICITY
EA	EACH
ECC	ECCENTRIC
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATOR
ENGR	ENGINEER
EOD	EDGE OF DECK
EOF	EDGE OF FOOTING
EOS	EDGE OF SLAB
EP	EDGE OF PAVEMENT (PAVING)
EQ	EQUAL, EQUIVALENT
EQUIP	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
EXC	EXCAVATE
EXP	EXPANSION, EXPOSED
EXP BT	EXPANSION BOLT
EXST	EXISTING
EXT	EXTERIOR

ABBREVIATIONS	
F	
FD	FLOOR DRAIN
FDTN	FOUNDATION
FF EL	FINISH FLOOR ELEVATION
FIN	FINISH(ED)
FIN FLR	FINISH FLOOR
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FOS	FACE OF SLAB, FACE OF STUD
FOW	FACE OF WALL
FP	FIREPROOF(ING)
FRMG	FRAMING
FS	FAR SIDE
FT	FOOT
FTG	FOOTING
FURG	FURRING
FV	FIELD VERIFY
G	
GA	GAGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERAL
GLB	GLUE LAMINATED BEAM
GOVT	GOVERNMENT
GR	GRADE
GR BM	GRADE BEAM
GT	GROUT
H	
H	HIGH
HDR	HEADER
HK	HOOK
HORIZ	HORIZONTAL
HS	HIGH STRENGTH, HEADED STUD
HT	HEIGHT
HVAC	HEATING VENTILATION AND AIR CONDITIONING
I	
I	MOMENT OF INERTIA
IBC	INTERNATIONAL BUILDING CODE
ICF	INSULATED CONCRETE FORM
ID	INSIDE DIAMETER
IF	INSIDE FACE
IFS	INSIDE FACE OF STUD
INCL	INCLUDE(D)(ING)(SIVE)
INFO	INFORMATION
INT	INTERIOR
INTRM	INTERMEDIATE
INV	INVERT(ED)
J	
JBE	JOIST BEARING ELEVATION
JST(S)	JOIST(S)
JT	JOINT
K	
K	KIPS (1,000 POUNDS)
KLF	KIPS PER LINEAR FOOT
KO	KNOCKOUT
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
KWY	KEYWAY
L	
L	ANGLE (STRUCTURAL STEEL), LOW
LB	POUND
LD BRG	LOAD-BEARING
LH	LEFT HAND(ED)
LL	LIVE LOAD
LLBB	LONG LEG BACK TO BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
LT	LIGHT
LT GA	LIGHT GAGE
LT WT	LIGHT WEIGHT
LVL	LAMINATED VENEER LUMBER
LWC	LIGHTWEIGHT CONCRETE
M	
m	METER(S)
M	MOMENT
MATL	MATERIAL
MAU	MAKE UP AIR UNIT(S)
MAX	MAXIMUM
MB	MACHINE BOLT
MC	MOMENT CONNECTION(S)
MCJ	MASONRY CONTROL JOINT
MECH	MECHANIC(AL)
MEP	MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION
MEZZ	MEZZANINE
MFG	MANUFACTURING
MFR	MANUFACTURER
MID	MIDDLE
MIL STD	MILITARY STANDARD
MIN	MINIMUM
MISC	MISCELLANEOUS
mm	MILLIMETER
MO	MASONRY OPENING
MOD	MODIFY
MTL	METAL

ABBREVIATIONS	
N	
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTACT
NLB	NON LOAD BEARING
NO	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NTS	NOT TO SCALE
NW	NORMAL WEIGHT
NWC	NORMAL WEIGHT CONCRETE
O	
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER, OUTSIDE DIMENSION
OF	OUTSIDE FACE
OH DR	OVERHEAD DOOR
OPNG	OPENING
OPP	OPPOSITE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
P	
PAR	PARALLEL, PARAPET
PCC	PRECAST CONCRETE
PCA	PORTLAND CEMENT ASSOCIATION
PCF	POUNDS PER CUBIC FOOT
PCI	PRESTRESSED CONCRETE INSTITUTE
PCY	POUNDS PER CUBIC YARD
PED	PEDESTAL
PERP	PERPENDICULAR
PG	PLATE GIRDER
PL	PLATE
PLAM	PARALLAM
PLBG	PLUMBING
PLF	POUNDS PER LINEAL FOOT
PLWD	PLYWOOD
PRCST	PRECAST
PREFAB	PREFABRICATE
PREFMD	PREFORMED
PRELIM	PRELIMINARY
PREP	PREPARATION
PROJ	PROJECT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT OR POST-TENSION(ED)(ING)
PUR	PURLIN(S)
PVC	POLYVINYL CHLORIDE
PVG	PAVING
Q	
QC	QUALITY CONTROL
QTY	QUANTITY
R	
R	RADIUS
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCING STEEL BARS
REC	RECESSED
REF	REFERENCE, REFER TO
REFL	REFLECT
REINF	REINFORCE(D)(MENT)(ING)
REM	REMOVABLE
REQD	REQUIRED
REV	REVISION
RH	RIGHT HAND(ED), ROOF HATCH
RO	ROUGH OPENING
RTU	ROOF TOP UNIT
S	
S	SOUTH
SCHED	SCHEDULE
SDI	STEEL DECK INSTITUTE
SECT	SECTION
SE	STRUCTURAL ENGINEER
SER	STRUCTURAL ENGINEER OF RECORD
SF	SQUARE FOOT
SHT	SHAFT, SHEET
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SLBB	SHORT LEG BACK TO BACK
SLRS	SEISMIC LOAD RESISTING SYSTEM
SM	SHEET METAL, SMOOTH
SOG	SLAB ON GRADE
SP	SPACE, SUMP PIT
SPEC	SPECIFICATION
SQ	SQUARE
SST	STAINLESS STEEL
STAG	STAGGERED
STD	STANDARD
STIFF	STIFFENER
STIR	STIRRUP
STL	STEEL
STRUCT	STRUCTURAL, STRUCTURE
SUPT	SUPPORT
SUSP	SUSPEND(ED)(S)
SW	SHEAR WALL
SYM	SYMMETRICAL

ABBREVIATIONS	
T	
T	TENSION
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TAN	TANGENT
TB	THROUGH BOLT
TD	TRENCH DRAIN
TEMP	TEMPORARY, TEMPERATURE
TENS	TENSION
TFF	TOP OF FINISH FLOOR
THD	THREAD
THK	THICK, THICKNESS
THRU	THROUGH
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOG	TOP OF GRADE
TOJ	TOP OF JOIST
TOL	TOLERANCE
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOS	TOP OF SLAB, TOP OF STEEL
TOT	TOP OF TRUSS
TOW	TOP OF WALL
TRANS	TRANSVERSE
TRTD	TREATED
TYP	TYPICAL
U	
UNO	UNLESS NOTED OTHERWISE
V	
V	SHEAR
VAR	VARIATION, VARIES
VERT	VERTICAL
VERFY	VERIFY
W	
W	WEST, WIDE
WF	WIDE FLANGE
WL	WIND LOAD
WLD	WELDED
WP	WORK POINT, WATERPROOFING
WS	WATERSTOP
WWR	WELDED WIRE REINFORCEMENT
X	
XBRA	CROSSBRACING

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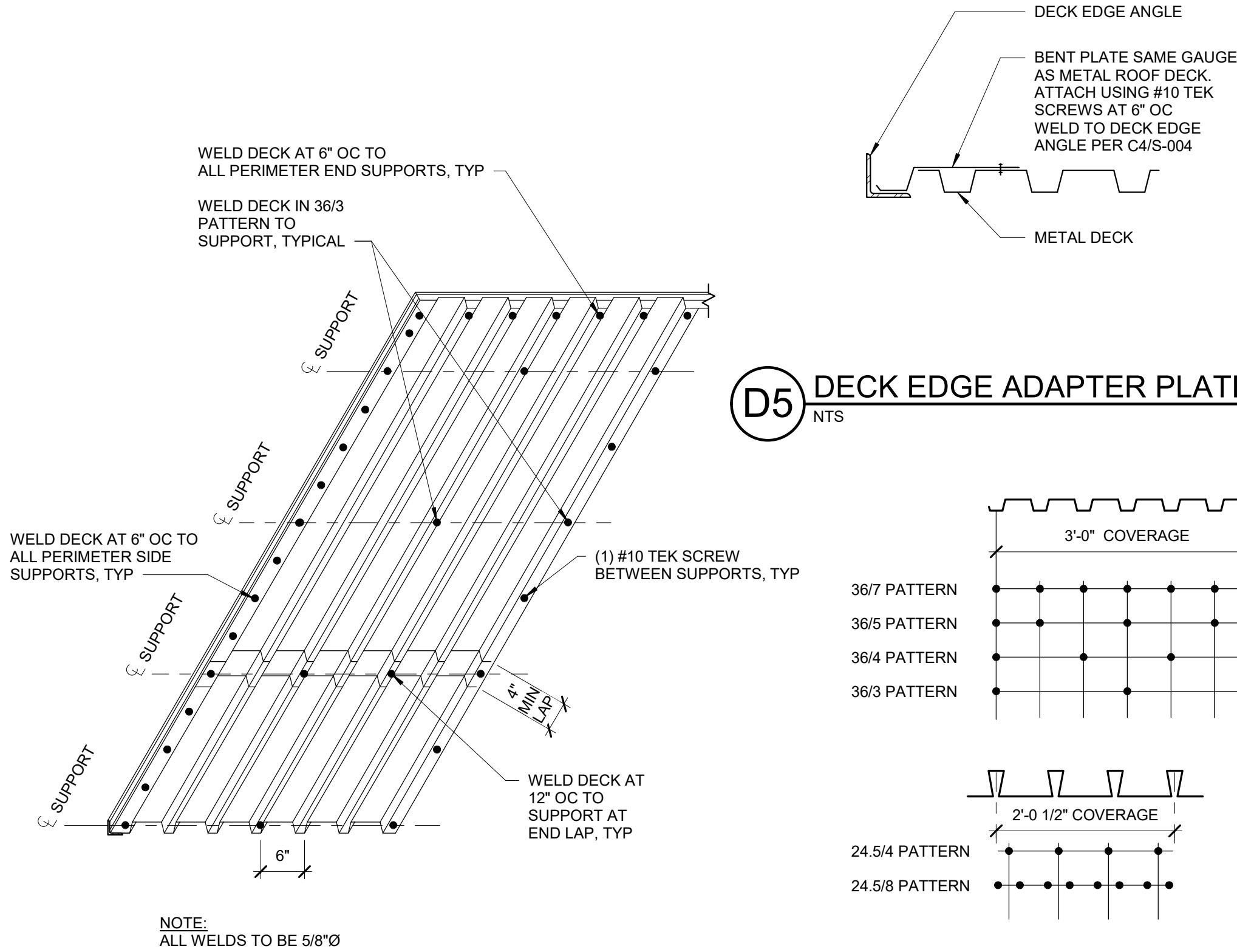
42058.23

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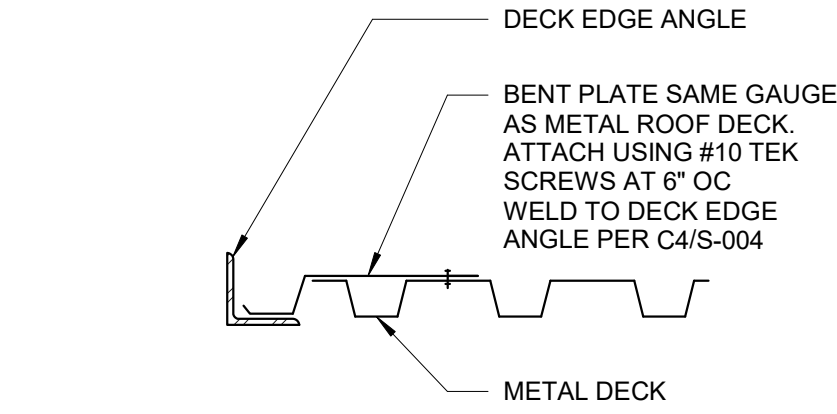
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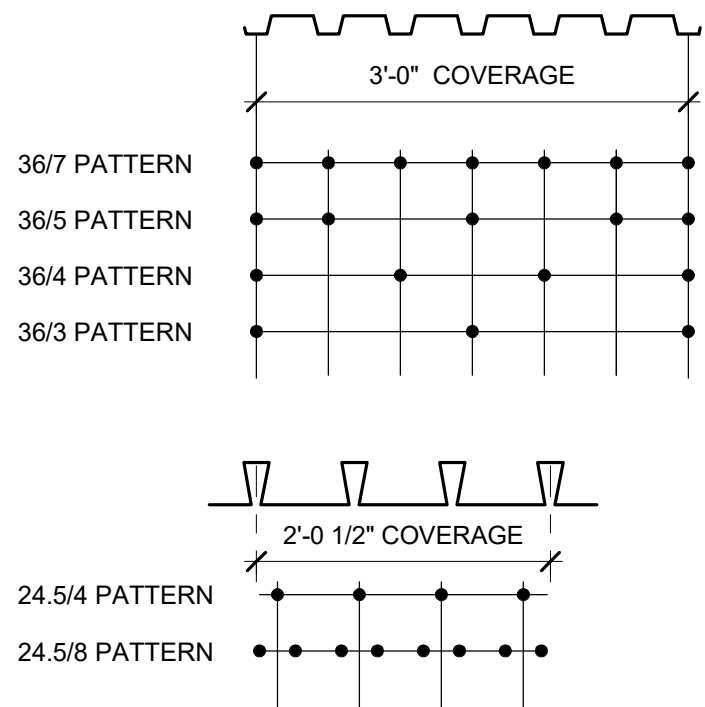
S-002



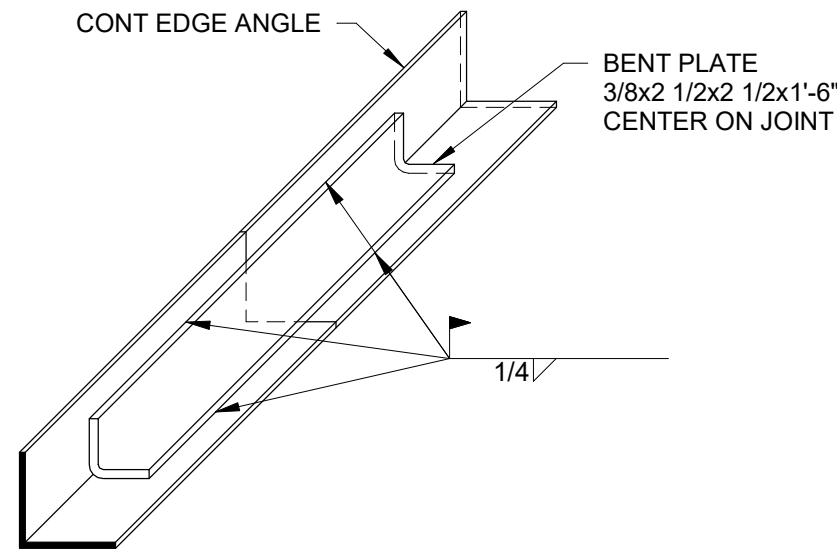
C4 STEEL DECK ATTACHMENT PATTERN
NTS



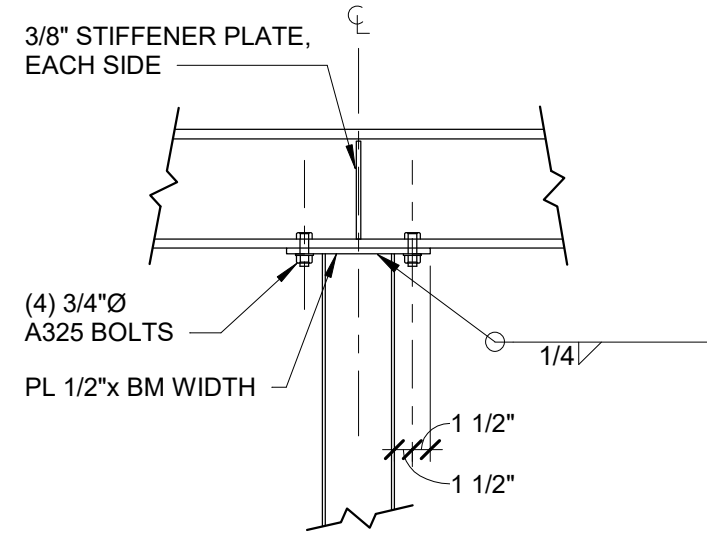
D5 DECK EDGE ADAPTER PLATE
NTS



C5 TYPICAL WELD PATTERNS
NTS



B5 TYPICAL DECK EDGE ANGLE SPLICE
NTS



A5 BEAM CONTINUED OVER COLUMN
NTS



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S-004

REINFORCED HOLLOW
CONCRETE MASONRY

- CMU CONSTRUCTION SHALL CONFORM TO ACI 530-05, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES", AND TO ACI 530.1-05, "SPECIFICATION FOR MASONRY STRUCTURES".
- ALL CMU SHALL BE 2-CELL, NORMAL WEIGHT BLOCK CONFORMING TO ASTM C 90, AND SHALL HAVE A SPECIFIED COMPRESSIVE STRENGTH OF 1,900 POUNDS PER SQUARE INCH ON THE NET AREA AT 28 DAYS ($f_m = 1,500$ POUNDS PER SQUARE INCH).
- PROVIDE TYPE S MORTAR FOR LOAD-BEARING WALLS. MINIMUM MORTAR COMPRESSIVE STRENGTH SHALL BE 1,800 POUNDS PER SQUARE INCH AT 28 DAYS.
- CELLS WHICH CONTAIN REINFORCING STEEL SHALL BE FILLED SOLIDLY WITH FINE GROUT CONFORMING TO ASTM C 476. MINIMUM GROUT COMPRESSIVE STRENGTH SHALL BE 2,000 POUNDS PER SQUARE INCH. GROUTED LOCATIONS SHALL INCLUDE BOND BEAMS, LINTELS, PILASTERS, AND VERTICAL REINFORCING LOCATIONS.
- VERTICAL CELLS TO BE FILLED SHALL HAVE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN A CLEAR UNOBSTRUCTED CONTINUOUS VERTICAL CELL NOT LESS THAN 2 INCH x 3 INCH IN PLAN DIMENSIONS. GROUT POURS SHALL NOT EXCEED 5 FOOT IN HEIGHT, UNLESS CLEANOUTS ARE PROVIDED IN THE BOTTOM OF THE GROUT SPACES. BETWEEN GROUT POURS, A HORIZONTAL CONSTRUCTION JOINT SHALL BE FORMED BY STOPPING ALL WYTHES AT THE SAME ELEVATION AND WITH THE GROUT STOPPING A MINIMUM OF 1 1/2 INCHES BELOW THE TOP OF THE MASONRY.
- VERTICAL WALL REINFORCING SHALL EXTEND CONTINUOUSLY FROM THE TOP OF FOUNDATION TO EXTEND AT LEAST 6 INCHES INTO ROOF DIAPHRAGM BOND BEAM OR PARAPET BOND BEAM.
- PROVIDE BAR POSITIONERS AT A MAXIMUM DISTANCE OF 4 FOOT ALONG VERTICAL REINFORCING.
- FOUNDATION AND WALL DOWELS SHALL EXTEND A MINIMUM OF 30 DIAMETERS INTO THE FOUNDATION OR UNDERLYING SUPPORT AND 48 DIAMETERS INTO THE MASONRY WALL, PARTITION, OR PLASTER. THERE SHALL BE FOUNDATION OR WALL DOWEL OF THE SAME SIZE AS EACH VERTICAL REINFORCING BAR, EXCEPT AS NOTES FOR JAMB BARS IN NOTE 17. PROVIDE 90 DEGREE STANDARD HOOK WHERE SUFFICIENT EMBED DEPTH IS NOT AVAILABLE.
- AN ADDITIONAL VERTICAL BAR WITH FOUNDATION DOWEL, SAME SIZE AS THE NORMAL REINFORCING BAR, SHALL BE PLACED:
 - ON EACH SIDE OF MASONRY CONTROL JOINTS.
 - AT CORNERS AND INTERSECTIONS OF EXTERIOR WALLS.
 - AT INTERSECTION OF INTERIOR WALLS WITH EXTERIOR WALLS.
- LAP SPLICES OF REINFORCING STEEL IN MASONRY WALLS SHALL BE OF THE LENGTH INDICATED IN THE TABLE, "CMU REINFORCING STEEL DEVELOPMENT AND LAP LENGTH". MECHANICAL SPLICES MAY BE PERMITTED, SUBJECT TO APPROVAL BY ENGINEER.
- ALL INTERIOR WALLS SHALL HAVE INTERMEDIATE BOND BEAMS LOCATED AT THE SAME LEVELS AS THE EXTERIOR WALL BOND BEAMS.
- WHERE KNOCKOUT BLOCKS ARE USED FOR BOND BEAMS OR GROUTED COURSES, PROVIDE A CONTINUOUS GROUT SCREEN UNDER THE KNOCKOUT BLOCKS. DISCONTINUE THE GROUT SCREEN AT VERTICALLY REINFORCED CELLS.
- BOND BEAM REINFORCING FOR INTERIOR AND EXTERIOR WALLS SHALL BE CONTINUOUS THROUGHOUT, EXCEPT AT MASONRY CONTROL AND ISOLATION JOINTS
 - AT MASONRY CONTROL JOINTS INTERMEDIATE BOND BEAM REINFORCING SHALL BE DISCONTINUOUS. REINFORCEMENT IN BOND BEAMS AT ROOF AND FLOOR DIAPHRAGM LEVELS SHALL BE CONTINUOUS.
 - AT ISOLATION JOINTS ALL BOND BEAM REINFORCING STEEL SHALL BE DISCONTINUOUS.
- LOCATION AND DETAILS OF MASONRY CONTROL JOINTS AND ISOLATION WALL JOINTS SHALL BE AS INDICATED HEREIN. IF MASONRY CONTROL JOINTS ARE NOT SPECIFICALLY LOCATED ON THESE DRAWINGS, LOCATE JOINTS AT A MAXIMUM SPACING OF 25 FOOT IN NO CASE SHALL A MASONRY CONTROL JOINT BE LOCATED WITHIN 24 INCHES OF A WALL OPENING.
- BARs AROUND PERIMETER OF OPENINGS - EXCEPT FOR LINTEL BARS - SHALL EXTEND NOT LESS THAN (48) BAR DIAMETERS OR 24 INCHES, WHICHEVER IS GREATER, BEYOND CORNER OF OPENING. VERTICAL JAMB BARS WILL BE OF THE SAME SIZE AS NORMAL VERTICAL REINFORCING. WALL DOWELS ARE ONLY REQUIRED WHEN BAR DEVELOPMENT LENGTH (48) BAR DIAMETERS OR 24 INCHES DOES NOT EXIST BELOW THE OPENING.
- LINTEL BARS SHALL EXTEND BEYOND CORNER OF OPENINGS A MINIMUM DISTANCE OF 1d AS INDICATED IN THE TABLE, "CMU REINFORCING STEEL DEVELOPMENT AND LAP LENGTH". ALTERNATELY, A STANDARD 90 DEGREE HOOK OR MECHANICAL ANCHOR MAY BE PROVIDED AT EACH END OF EACH LINTEL BAR, AND THE BAR SHALL EXTEND A MINIMUM OF 24 INCHES BEYOND THE CORNER OF THE OPENING.
- EXCEPT AS AND WHERE SPECIFICALLY NOTED OR INDICATED ON THE DRAWINGS, HORIZONTAL AND VERTICAL REINFORCING SHALL BE AS FOLLOWS:

VERTICAL REINFORCING	- #5 BARS AT 32 INCH CENTERS
HORIZONTAL REINFORCING	- REINFORCED BOND BEAM AT 7'-4", AND AT 6'-0" MAXIMUM VERTICAL SPACING THEREAFTER
	- LADDER JOINT REINFORCING AT 16 INCHES VERTICAL SPACING
BOND BEAM REINFORCING	- (2) #4xCONT FOR 8 INCH WALLS
	- (2) #5xCONT FOR 12 INCH WALLS

CMU REINFORCING
STEEL DEVELOPMENT
AND LAP LENGTH

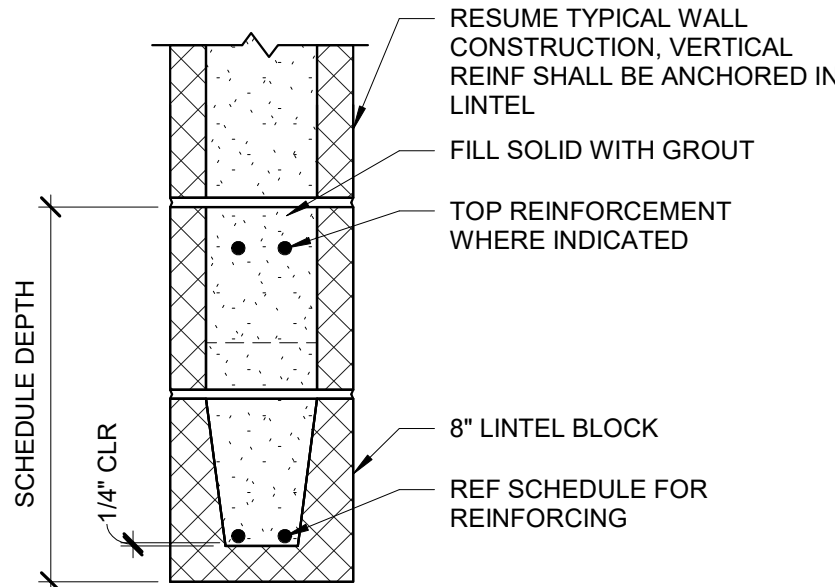
	BAR SIZE	DEVELOPMENT/LAP LENGTH (ld), INCHES
VERTICAL AND BOND BEAM REINFORCING	4	24
	5	30
	6	36
	7	42
	8	48
	9	54

- NOTE:
- THIS TABLE SHALL BE APPLIED ONLY TO REINFORCING STEEL IN GROUTED CMU.
 - MAINTAIN BARS IN CORRECT POSITION RELATIVE TO THE DEPTH OF THE MEMBER.

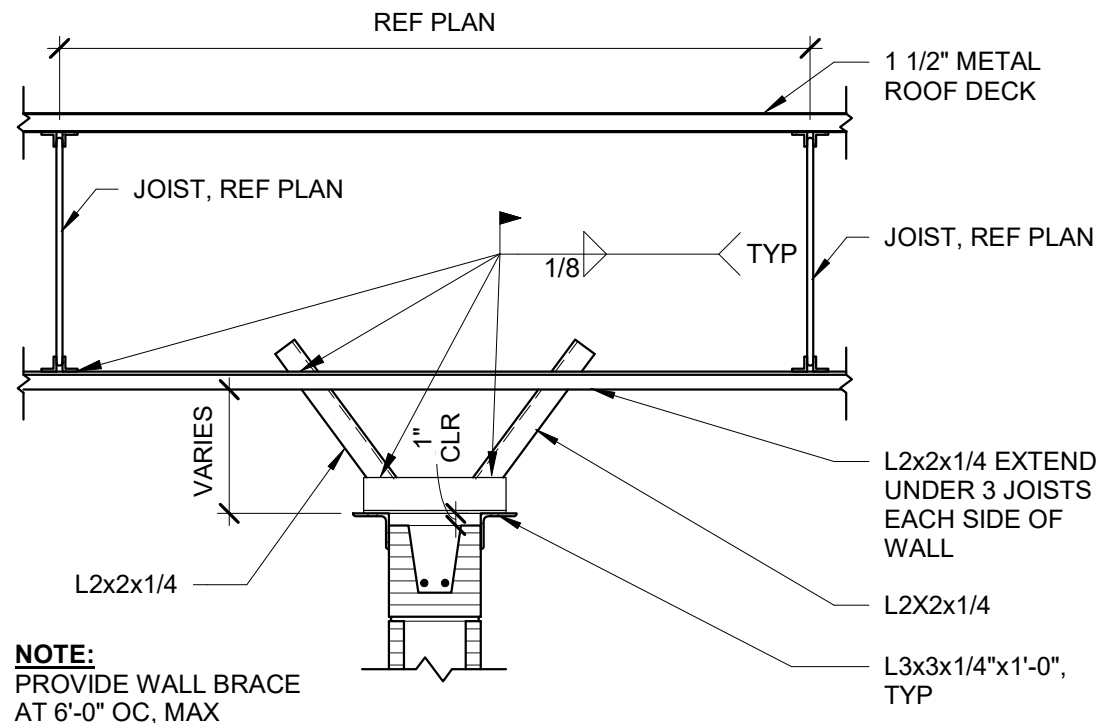
CONCRETE
REINFORCING
STEEL
DEVELOPMENT
LENGTH AT
CMU WALLS

BAR SIZE	DEVELOPMENT/LAP LENGTH (ld), INCHES
4	22
5	28
6	33
7	39
8	44
9	50

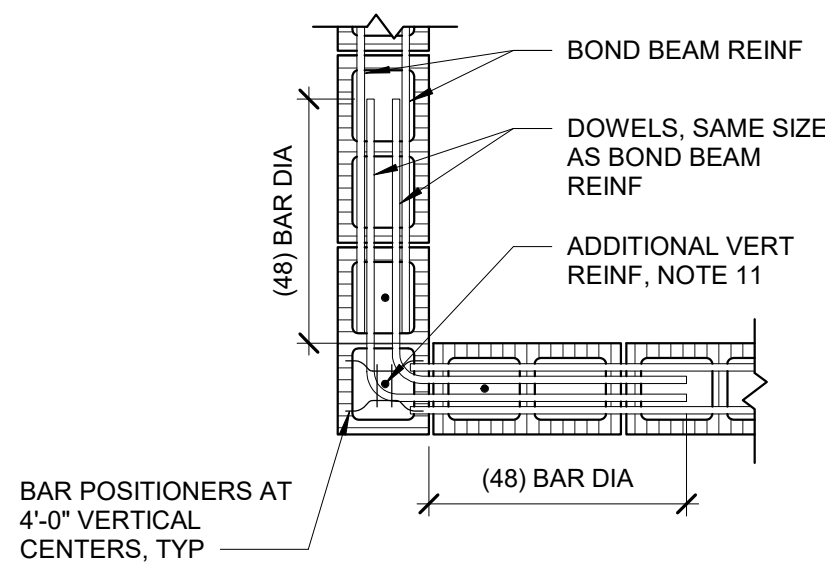
- NOTE:
- THIS TABLE SHALL BE APPLIED TO REINFORCING STEEL EMBEDDED IN NORMAL WEIGHT CONCRETE AS DOWELS FOR CMU WALLS.
 - PROVIDE STANDARD HOOKS AS NECESSARY TO FIT BARS IN FOUNDATIONS.



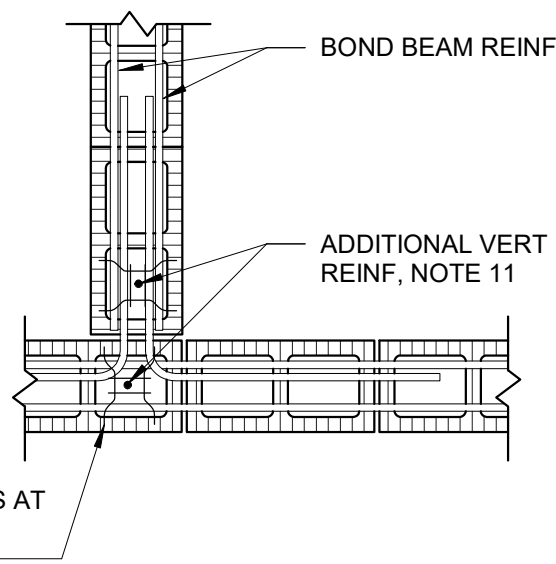
A2 TYPICAL CMU LINTEL
NTS



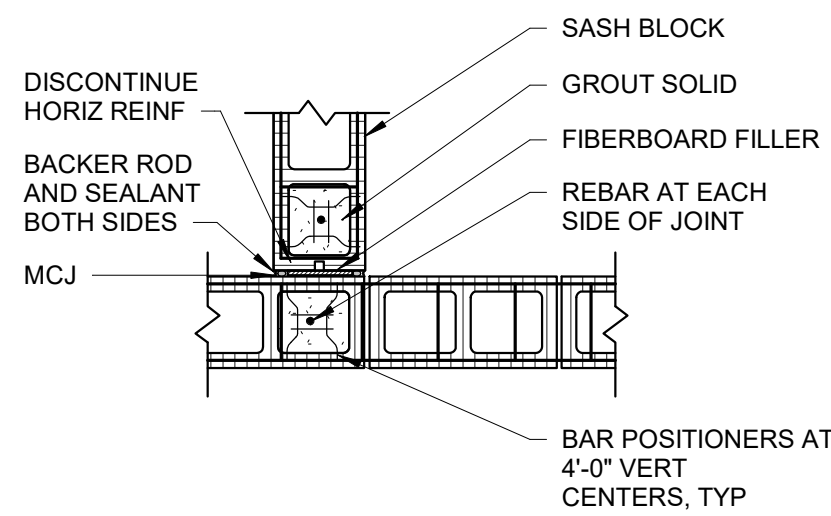
D3 SECTION AT INTERIOR WALL-TYPICAL
NTS



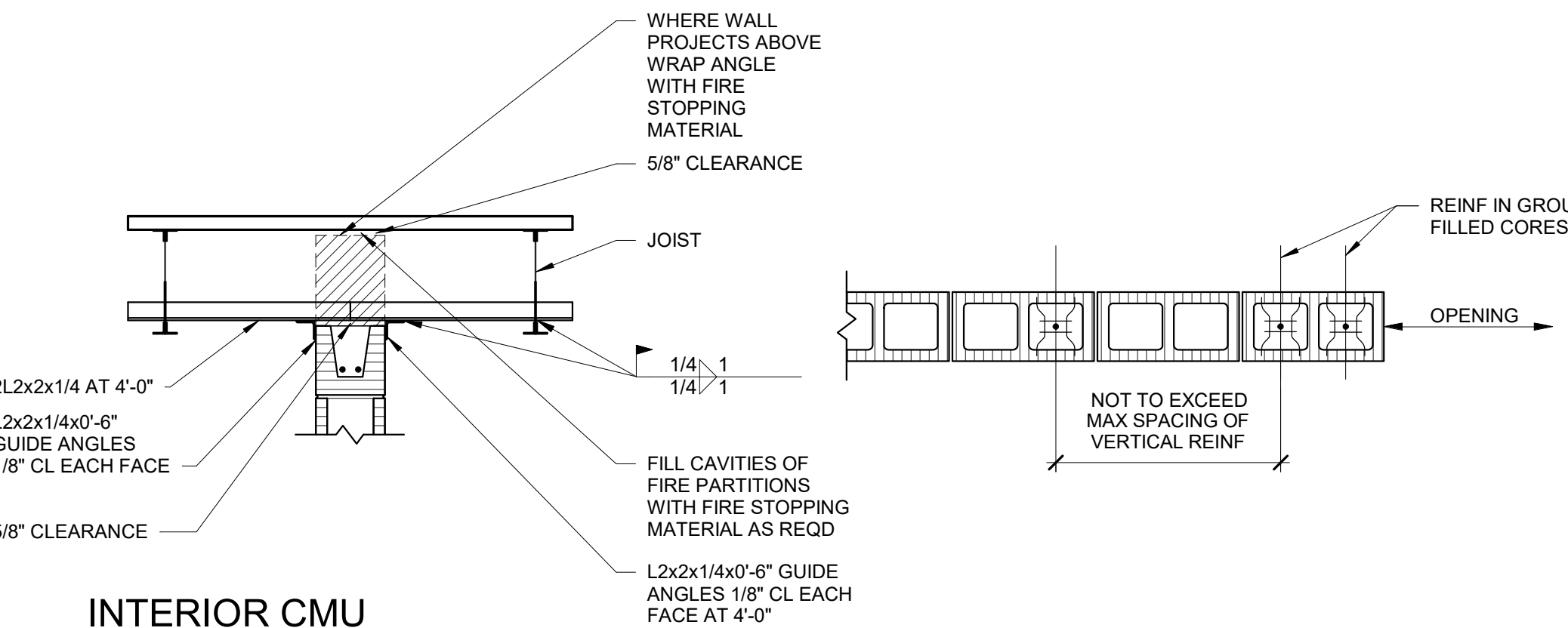
C3 BOND BEAM CORNER DETAILS
NTS



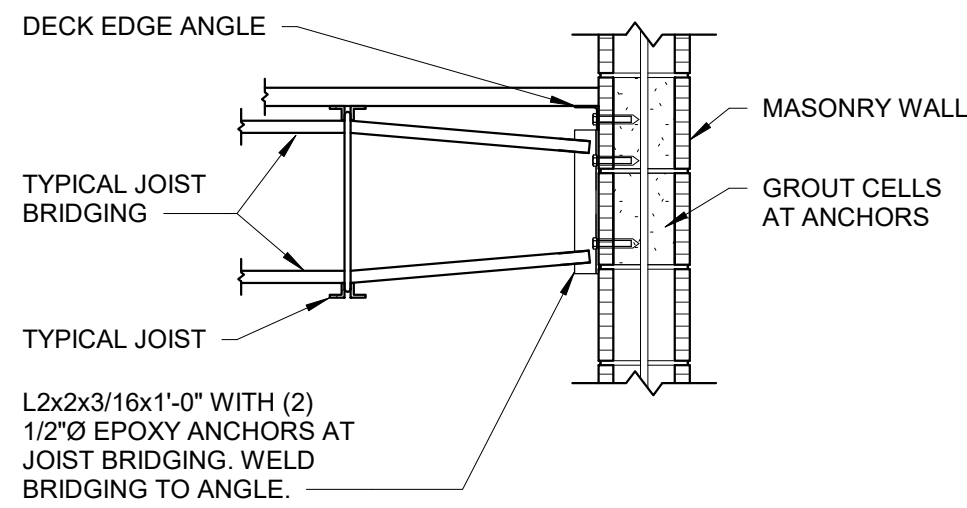
B3 BOND BEAM INTERSECTION DETAIL
NTS



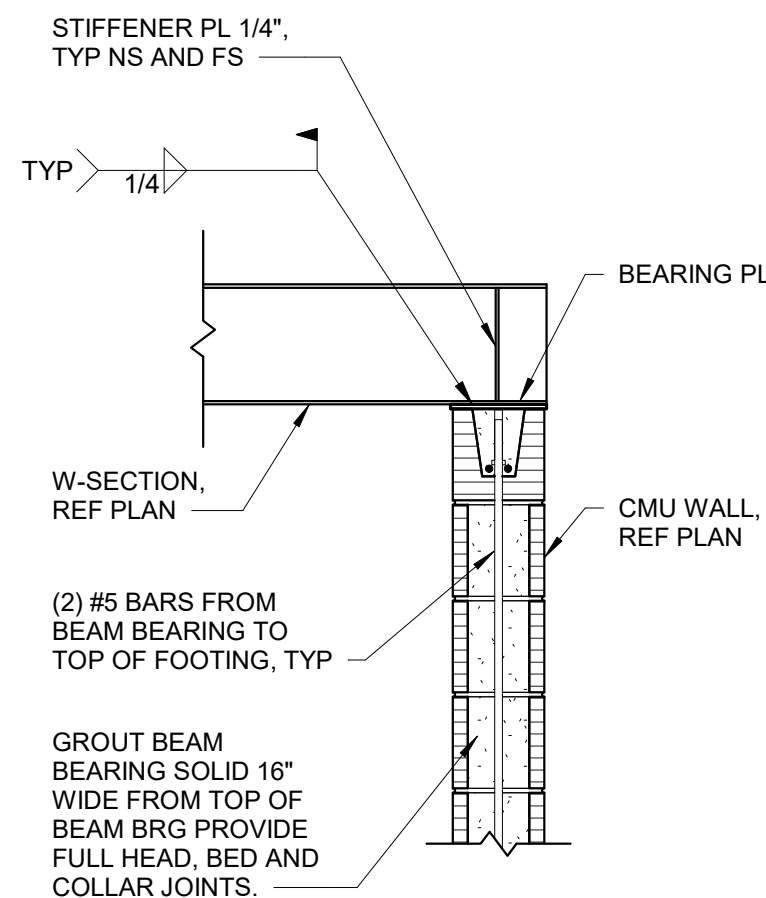
A3 CMU CONTROL JOINT (MCJ) DETAILS
NTS



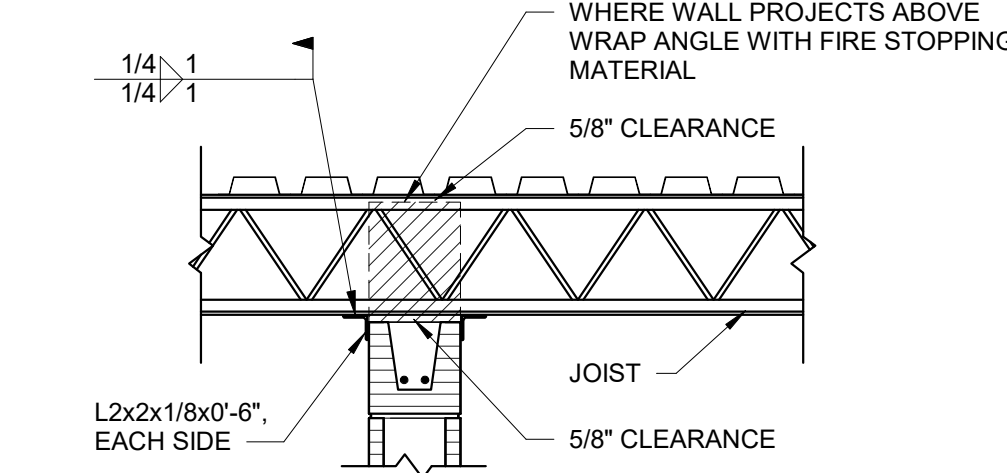
D4 INTERIOR CMU PARTITION AT STEEL JOIST
NTS



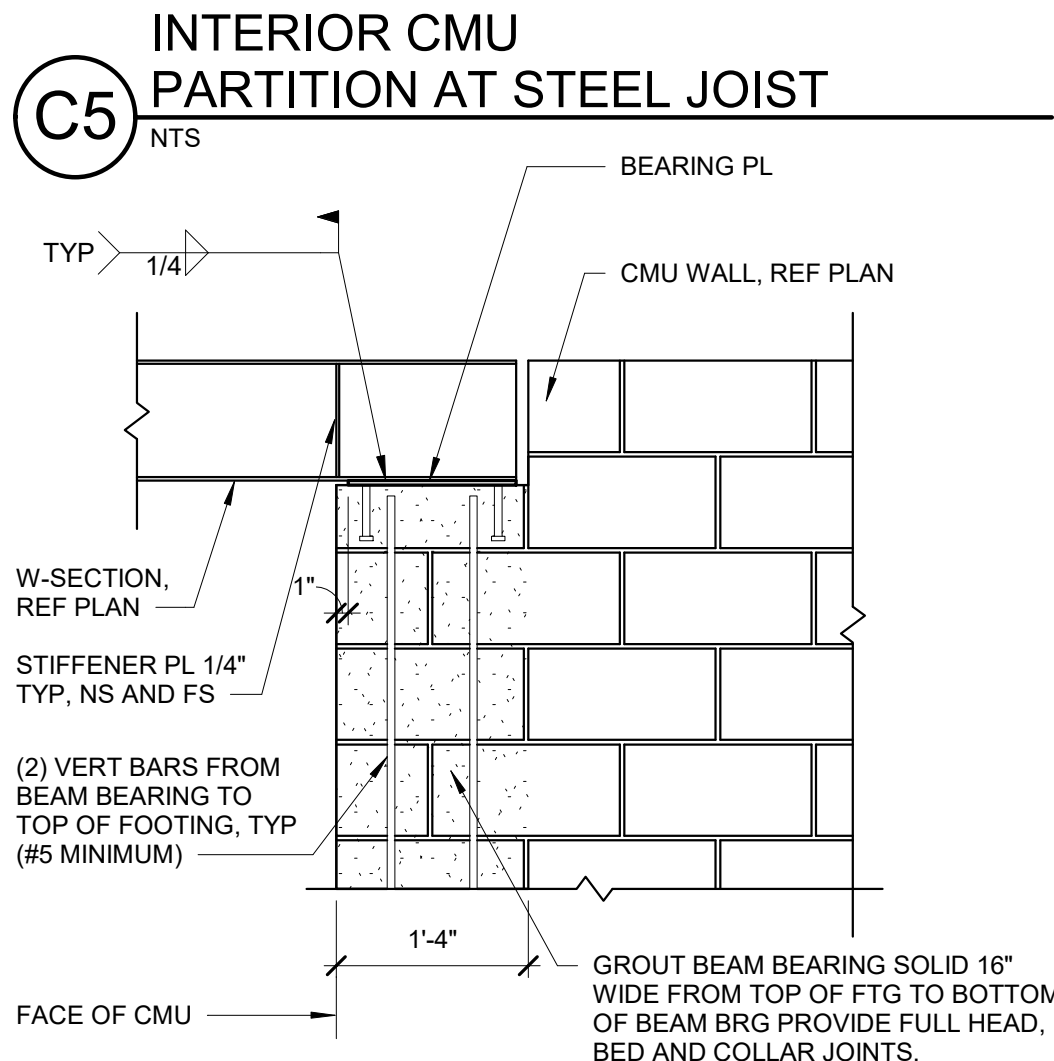
C4 TYPICAL JOIST BRIDGING ANCHORAGE AT MASONRY WALL
NTS



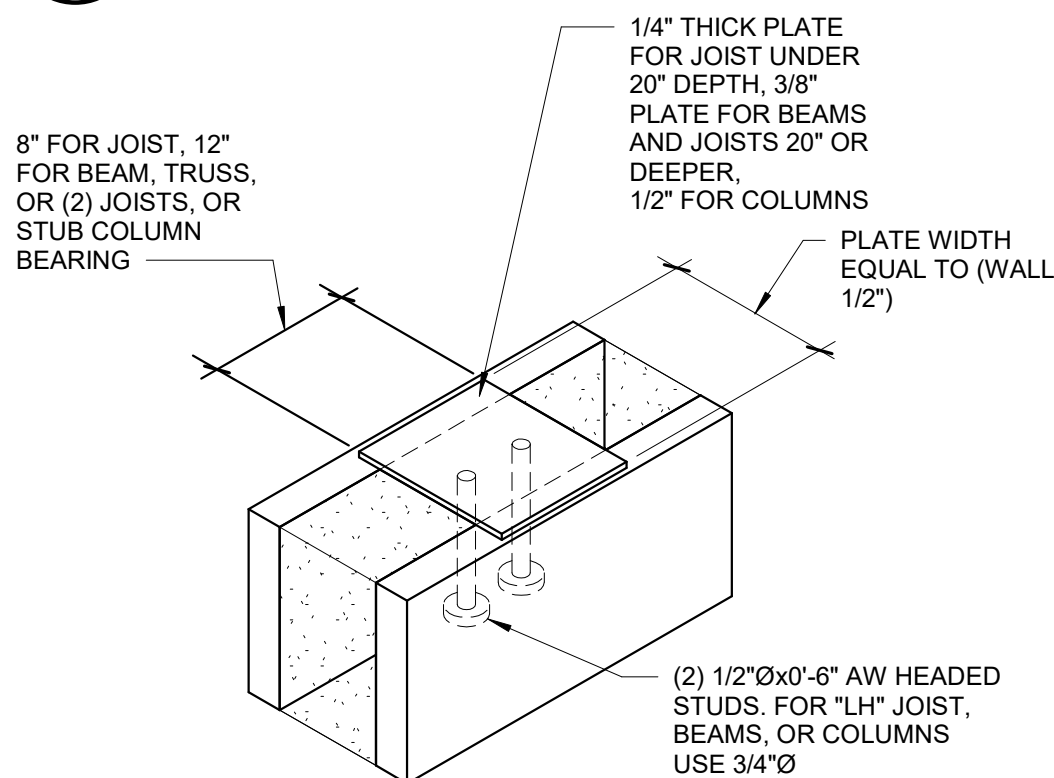
B4 BEAM BEARING DETAIL (TYP)
NTS



D5 TYPICAL MASONRY JAMB PLAN
NTS



C5 INTERIOR CMU PARTITION AT STEEL JOIST
NTS



A5 TYPICAL BEARING PLATE
NTS

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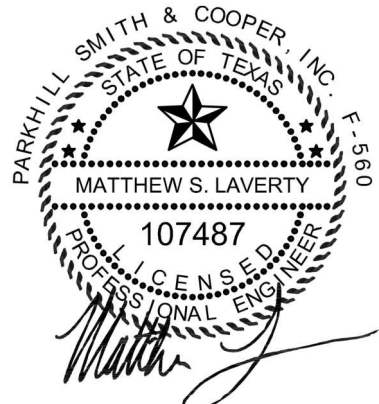
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Typical Masonry
Details

S-005



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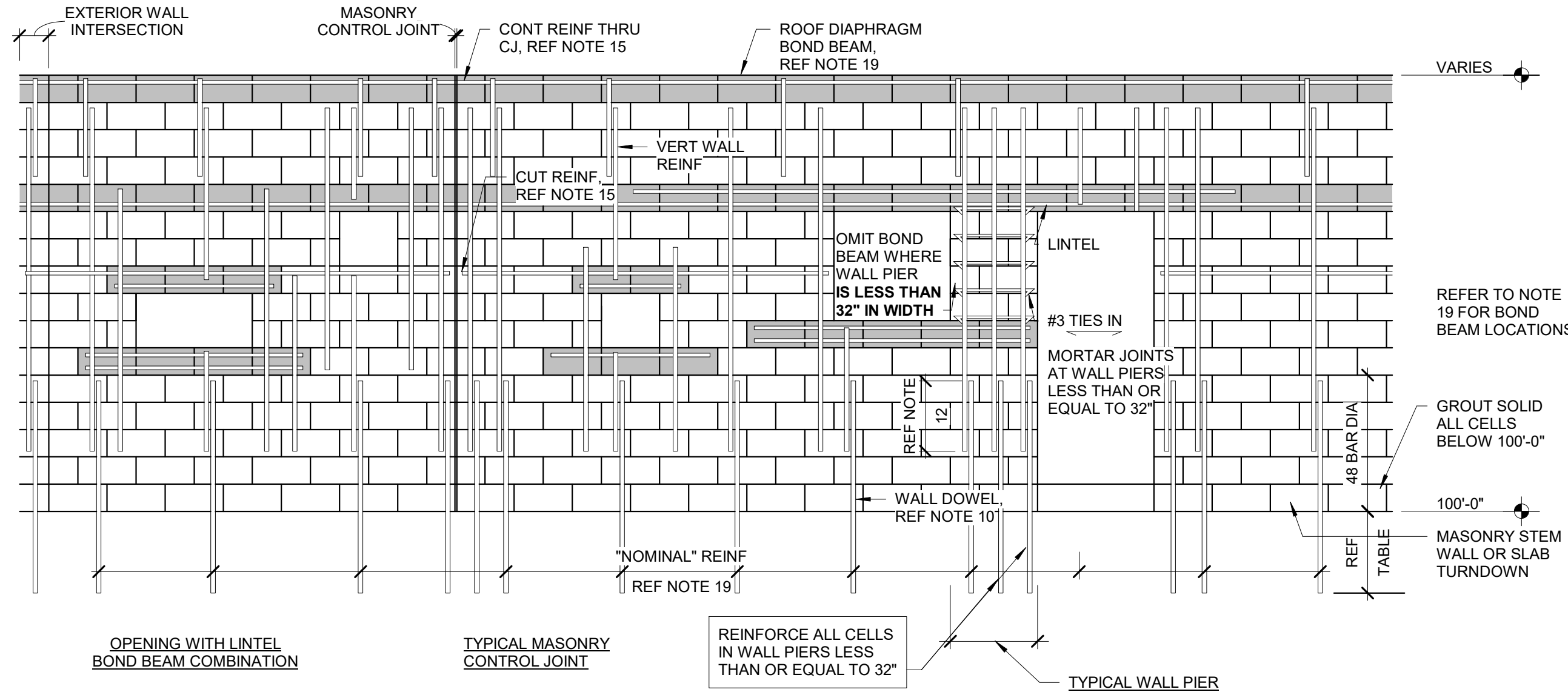
10/10/2025 Construction Documents

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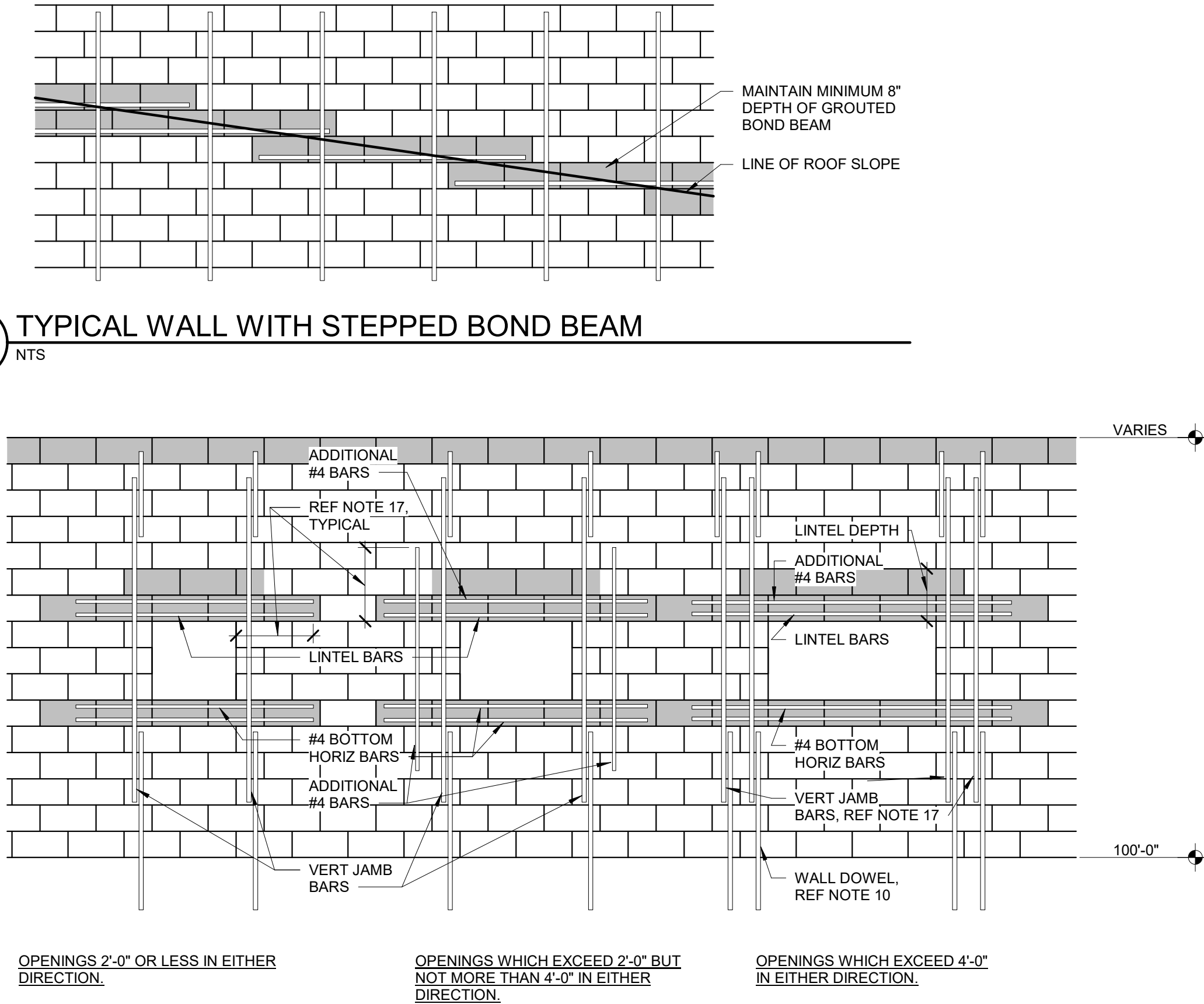
Typical Masonry Details

S-006

C1 TYPICAL WALL REINFORCING

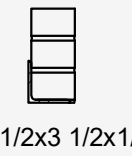
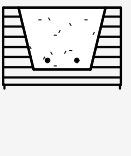
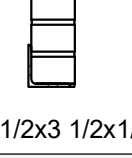
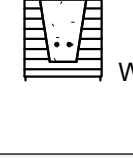
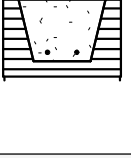
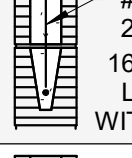
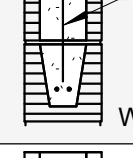
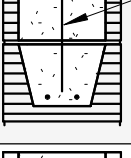
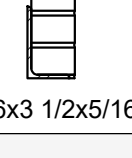
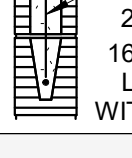
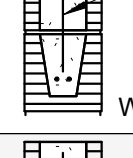
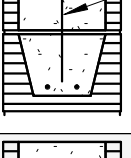
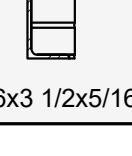
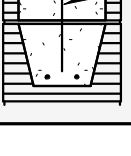


D4 TYPICAL WALL WITH STEPPED BOND BEAM



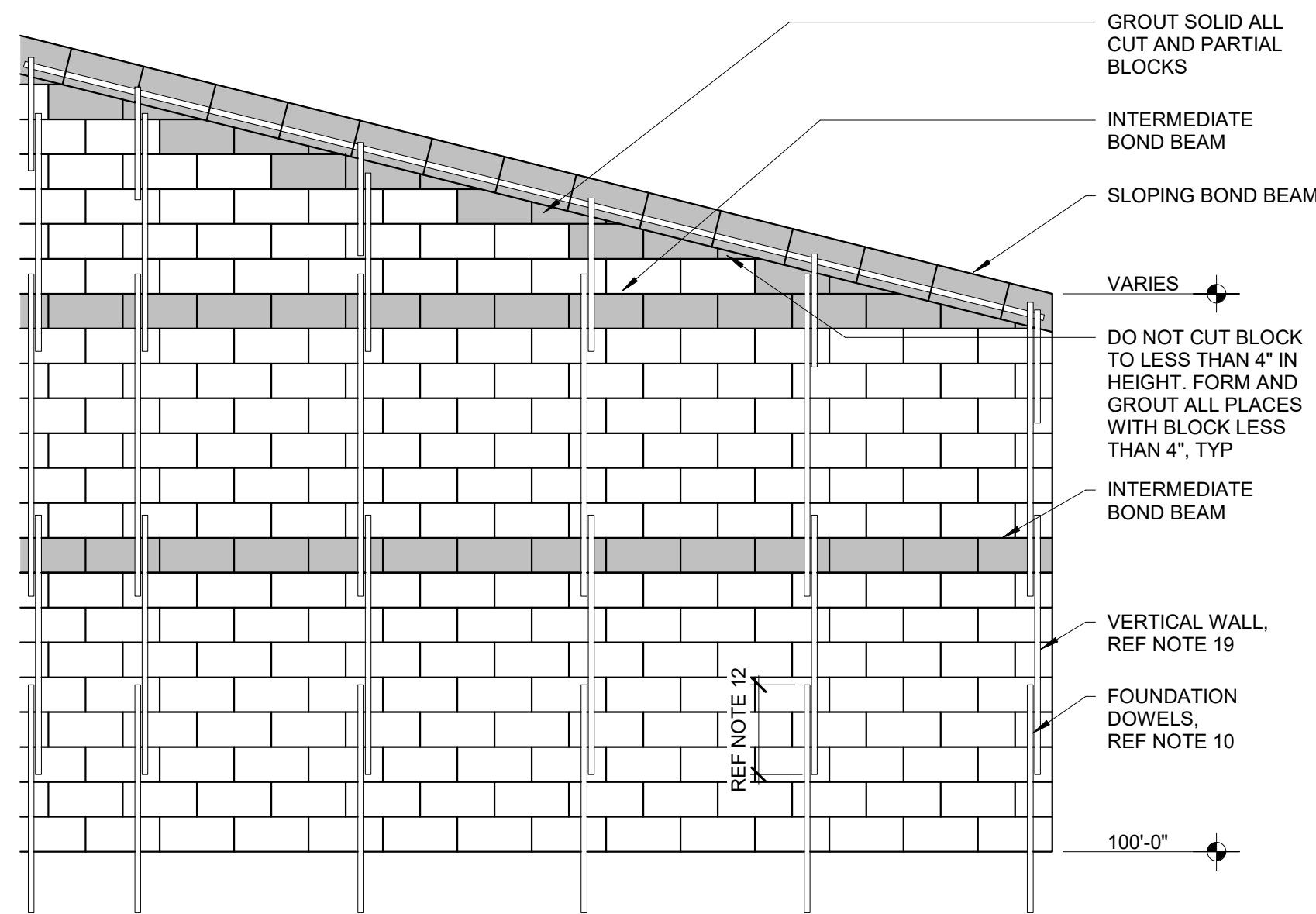
C4 REINFORCEMENT AROUND WALL OPENINGS

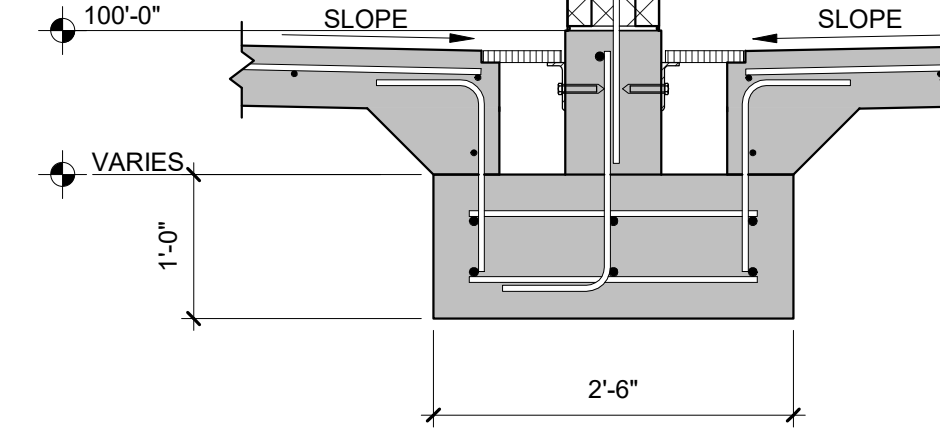
SCHEDULED MASONRY LINTEL TABLE				
MARK	CLEAR OPENING	LINTEL SIZE (WIDTHxDEPTH)	LINTEL REINFORCING	VERTICAL REINFORCING
L-1	4'-0"	8"x8"	(2) #5	#4 AT 8"
L-2	6'-0"	8"x16"	(2) #6	#4 AT 8"

UNSCHEDULED MASONRY LINTEL TABLE				
CLEAR OPENING	4" CMU/ FACE BRICK	6" CMU	8" CMU	12" CMU
UP TO 4'-0"	 L3 1/2x3 1/2x1/4	 8" DEEP LINTEL WITH (1) #4	 8" DEEP LINTEL WITH (2) #4	 8" DEEP LINTEL WITH (2) #4
UP TO 6'-0"	 L3 1/2x3 1/2x1/4	 8" DEEP LINTEL WITH (1) #4	 8" DEEP LINTEL WITH (2) #4	 8" DEEP LINTEL WITH (2) #4
UP TO 8'-0"	 L4x3 1/2x5/16	 #4 AT 24" 16" DEEP LINTEL WITH (1) #4	 #4 AT 24" 16" DEEP LINTEL WITH (2) #4	 #4 AT 24" 16" DEEP LINTEL WITH (2) #4
UP TO 10'-0"	 L6x3 1/2x5/16	 #4 AT 24" 16" DEEP LINTEL WITH (1) #4	 #4 AT 24" 16" DEEP LINTEL WITH (2) #4	 #4 AT 24" 16" DEEP LINTEL WITH (2) #4
UP TO 12'-0"	 L6x3 1/2x5/16		 #4 AT 24" 16" DEEP LINTEL WITH (2) #4	 #4 AT 24" 16" DEEP LINTEL WITH (2) #4

- NOTE:
- PROVIDE AT LEAST 8" OF BEARING AT EACH END OF OPENING
 - FOR UNSCHEDULED OPENINGS GREATER THAN 12'-0", CONSULT THE STRUCTURAL ENGINEER
 - PROVIDE 180° HOOKS AT EACH END OF LINTEL VERTICAL BARS.

A4 TYPICAL SLOPED WALL





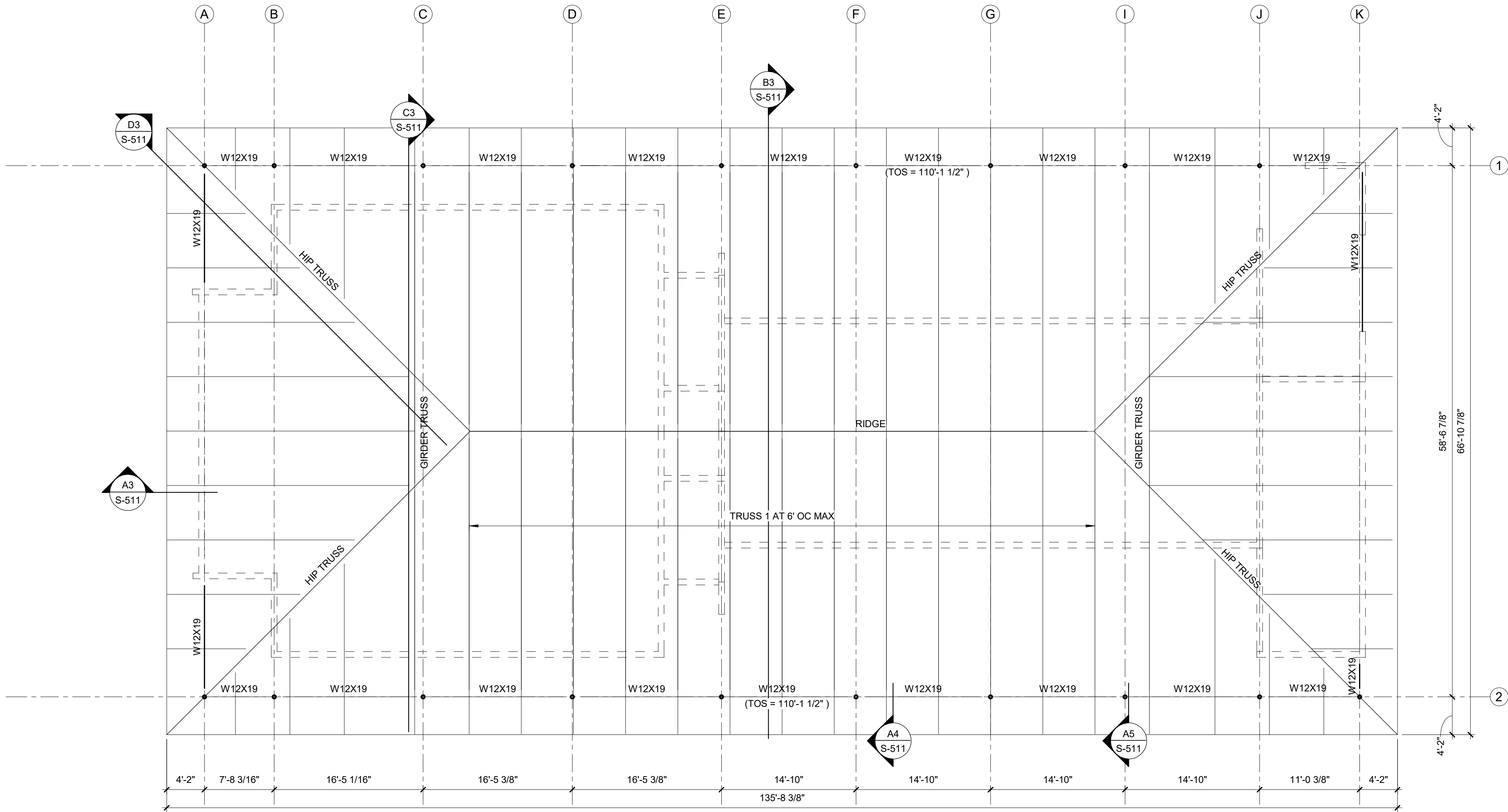
D5 SECTION
3/4" = 1'-0"

S-111



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A1 FRAMING PLAN - LOW ROOF
1/8" = 1'-0"



GENERAL FRAMING PLAN NOTES

- A. ROOF WILL BE FRAMED WITH COLD FORMED METAL TRUSSES
- B. TRUSSES SHALL BE DESIGNED FOR 20 PSF DEAD LOAD AND 20 PSF ROOF LIVE LOAD.
- C. UPLIFT DESIGN FOR THE TRUSSES SHOULD BE BASED ON 25 PSF (SERVICE LEVEL) WIND UPLIFT FORCE.
- D. COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.



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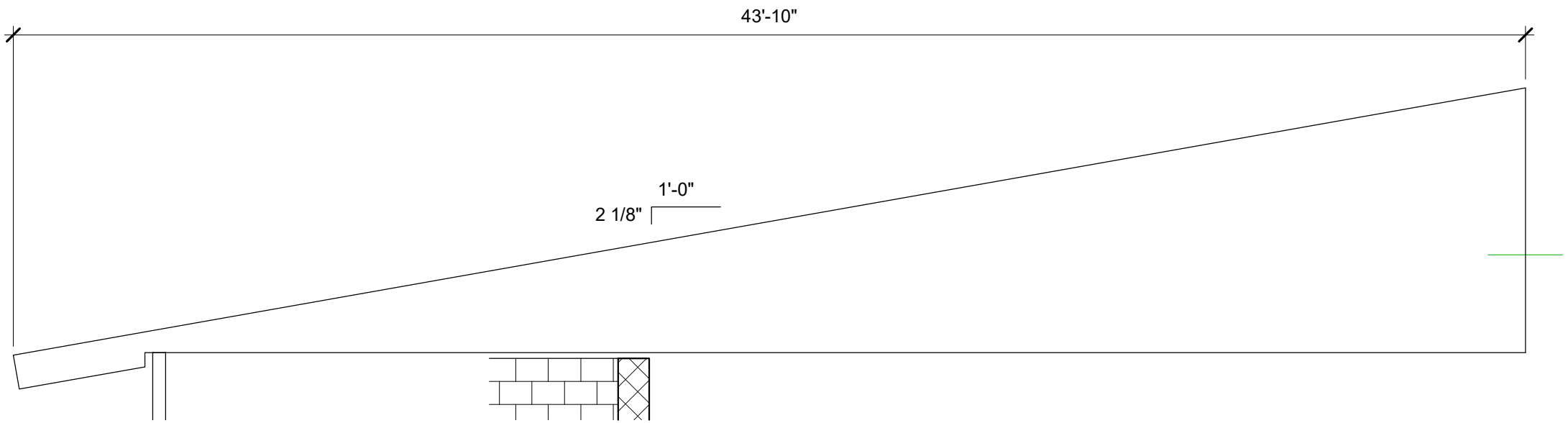
- 10/10/2025 Construction Documents

DATE DESCRIPTION

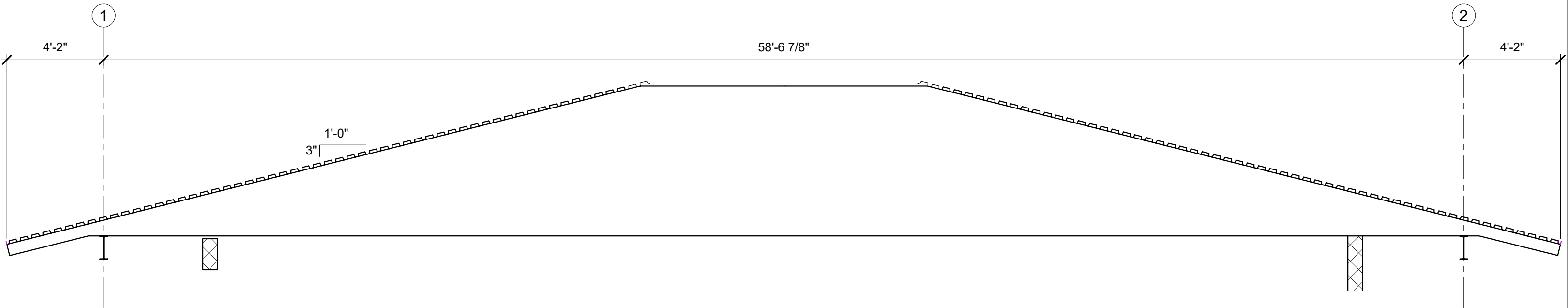
Framing Plan - Roof

S-121

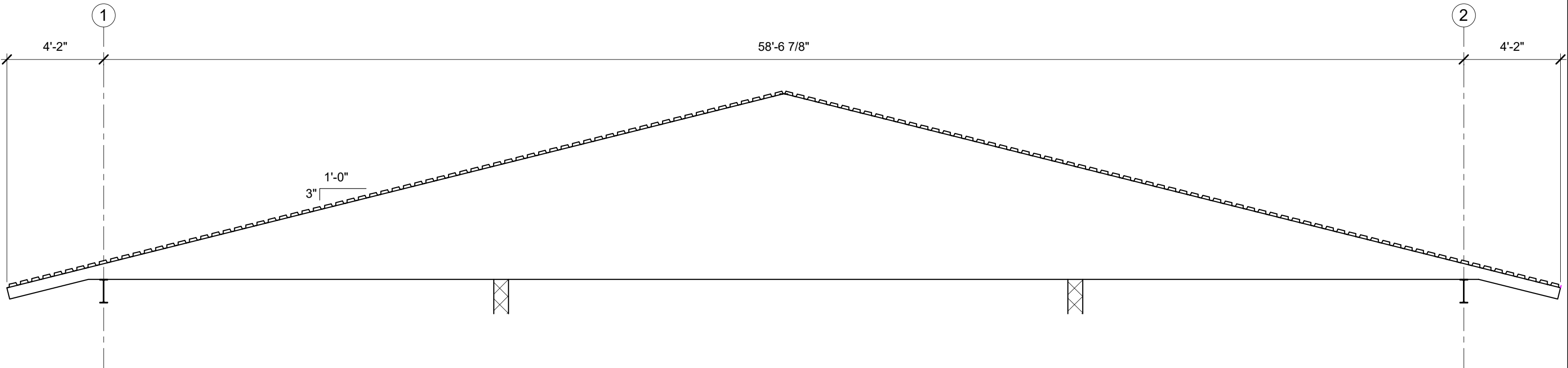
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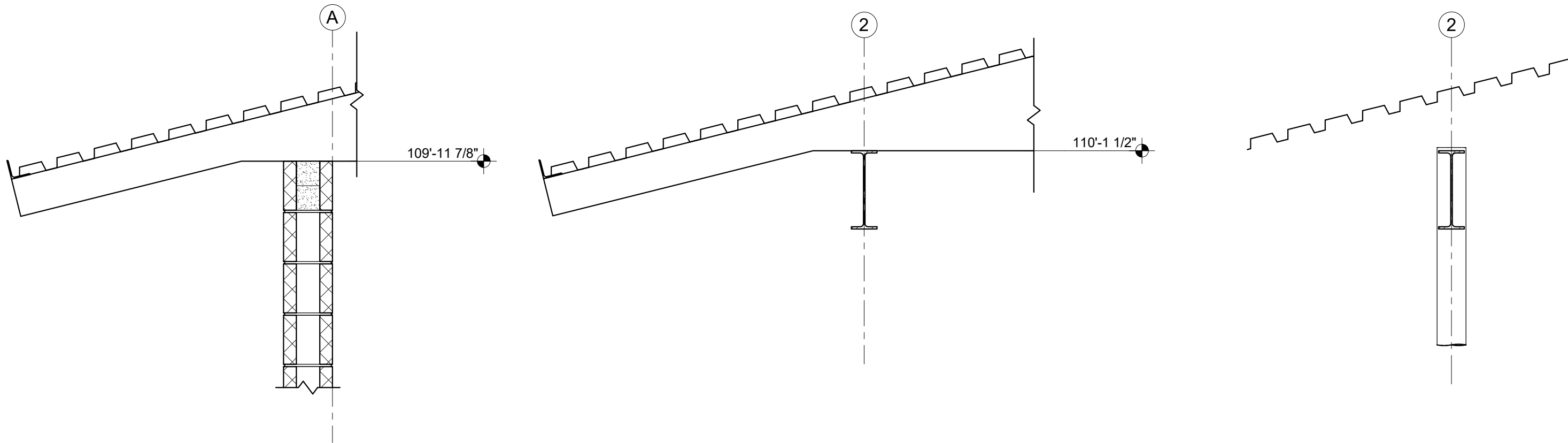
D3 HIP TRUSS PROFILE
1/4" = 1'-0"



C3 GIRDER TRUSS PROFILE
1/4" = 1'-0"



B3 TRUSS PROFILE
1/4" = 1'-0"



A3 SECTION
3/4" = 1'-0"

A4 SECTION
3/4" = 1'-0"

A5 SECTION
3/4" = 1'-0"

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Framing Details

S-511

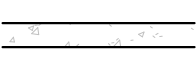
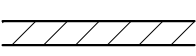
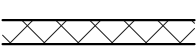
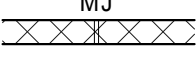
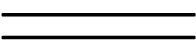
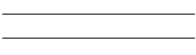
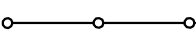
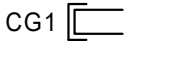
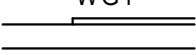
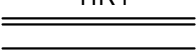
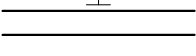
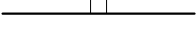
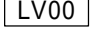
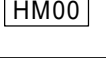
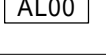
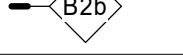
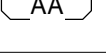
INTERIOR LEGEND

	FINISH TAG
	FIXTURES/ FURNITURE/ EQUIPMENT/ SIGNAGE
	NOT IN SCOPE

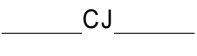
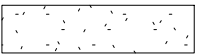
ROOF LEGEND

	ROOF DRAIN
	OVERFLOW DRAIN
	SLOPE
	ROOF MOUNTED EQUIPMENT
	VENT THROUGH ROOF (VTR)
	SKYLIGHT
	ROOF HATCH

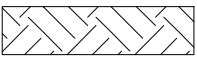
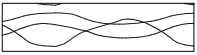
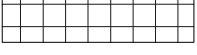
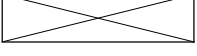
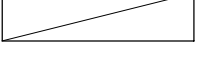
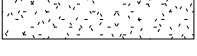
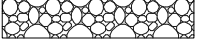
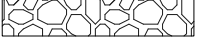
FLOOR PLAN LEGEND

	CONCRETE WALL
	FACE BRICK
	CMU WALL
	MASONRY CONTROL JOINT
	EXISTING CONSTRUCTION TO REMAIN
	EXISTING CONSTRUCTION TO BE REMOVED
	NEW STUD WALL
	NEW PARTIAL HEIGHT WALL
	GLAZING SYSTEM
	WIRE MESH OR FABRIC PARTITION
	CORNER GUARD
	END WALL GUARD
	WALL GUARD
	HANDRAIL
	FIRE EXTINGUISHER AND CABINET
	FIRE EXTINGUISHER AND BRACKET
	FURNITURE/EQUIPMENT NIC
	DOWN SPOUT
	FLOOR DRAIN
	DOOR NUMBER
	WINDOW MARK
	LOUVER MARK
	HOLLOW METAL FRAME MARK
	ALUMINUM FRAME MARK
	PARTITION TYPE
	FINISH TAG
	FIRE PROTECTION

RCP LEGEND

	CEILING TRACK
	CONTROL JOINT
	ACCESS PANEL
	SKYLIGHT
	GYP BD CEILING
	SUSPENDE METAL LATH AND PLASTER CEILING
	SUSPENDE ACOUSTICAL CEILING SYSTEM: TYPE A
	SUSPENDE ACOUSTICAL CEILING SYSTEM: TYPE B

DETAIL LEGEND

	COMPACTED SOIL
	UNDISTURBED SOIL
	STONE/MARBLE
	PLASTER OR STUCCO ON METAL LATH
	STEEL
	CONCRETE IN SECTION
	BRICK
	CMU
	BATT INSULATION
	ACOUSTICAL TILE
	RIGID INSULATION
	WOOD CONTINUOUS
	WOOD DISCONTINUOUS
	PLASTER, SAND OR CEMENT GROUT
	POUROUS FILL, GRAVEL (CAPILLARY WATER BARRIER PAVEMENT BASE)
	TERAZZO (IN SECTION)

Parkhill



Parkhill.com

Williamson County Canine Training Facility
Texas Highway Patrol Canine Training and Housing Facility



CLIENT

Department of Public Safety

810 County Road 240 Florence, TX 76527

PROJECT NO.

42058.23

10/10/2025 Construction Documents

DATE DESCRIPTION

Architectural & Interior Legends

A-001

INTERIOR PARTITION SCHEDULE

(PLAN)

CONCRETE MASONRY UNIT
REFER TO STRUCTURAL FOR REINFORCEMENT

MASONRY WALL ASSEMBLY

	1	2
ASSEMBLY THICKNESS	7 5/8"	5 5/8"
CONCRETE MASONRY UNIT	7 5/8"	5 5/8"
UL DESIGN ASSEMBLY	U905	
FIRE RATING WITH PARTIAL FILL CELLS	2 HOUR	2 HOUR
STC RATING GROUT FILLED	55	55

CONCRETE MASONRY
REFER TO STRUCTURAL FOR REINFORCEMENT

1 LAYER GYPSUM BOARD
NON-STRUCTURAL METAL FRAMING

MASONRY WALL ASSEMBLY

	1	2	3	4	5
ASSEMBLY THICKNESS	9 1/8"	9 3/4"	13 1/8"	13 3/4"	11 7/8"
CONCRETE MASONRY UNIT	7 5/8"	7 5/8"	11 5/8"	11 5/8"	7 5/8"
NON-STRUCTURAL METAL FRAMING	7/8"	1 1/2"	7/8"	1 1/2"	3 5/8"
UL DESIGN ASSEMBLY	U914				
FIRE RATING (IF REQUIRED BY CODE SHEET)	4 HOUR				
STC RATING	56	56	63	63	

EXISTING CONSTRUCTION

1 LAYER GYPSUM BOARD
NON-STRUCTURAL METAL FRAMING

EXISTING WALL ASSEMBLY

	1	2	3	4
ASSEMBLY THICKNESS	1 1/2"	2 1/8"	PER PLAN	PER PLAN
NON-STRUCTURAL METAL FRAMING	7/8"	1 1/2"	3 5/8"	6"

ABOVE CEILING CONDITION (SECTION)

g

REFER TO PARTITION TERMINATION AT DECK

UNDERSIDE OF STRUCTURE OR DECK

CEILING AS SCHEDULED

CONCRETE MASONRY UNIT
REFER TO STRUCTURAL FOR REINFORCEMENT

h

UNDERSIDE OF STRUCTURE OR DECK

CEILING AS SCHEDULED

CONCRETE MASONRY UNIT
REFER TO STRUCTURAL FOR REINFORCEMENT

PARTITION GENERAL NOTES

THE FOLLOWING PARTITION GRAPHIC SYMBOL AND THREE PART NOTATION SYSTEM IS USED IN THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT. NOTE: THE PARTITION CONSTRUCTION WILL MAINTAIN ITS DESIGNATION TO THE POINT OF AN INTERSECTING PARTITION. IF NO CHANGE IN DESIGNATION IS SHOWN BEYOND THE INTERSECTION, THE PREVIOUS PARTITION CONSTRUCTION DESIGNATION APPLIES. REFER TO CODE PLAN G-101 FOR RATED WALLS.

2 b

PARTITION TYPE

ABOVE CEILING CONDITION

- WHERE SOUND-ATTENUATION BLANKETS ARE SCHEDULED :
 - INSTALL ACOUSTICAL SEALANT AT ALL PENETRATIONS PER MANUFACTURER'S INSTRUCTIONS AT TOP AND BOTTOM OF WALLS (BOTH SIDES). PUTTY PADS AT ALL WALL PENETRATIONS INCLUDING ELECTRIC OUTLETS, IT BACK BOXES.
- ALL ASSEMBLY THICKNESSES LISTED IN THE PARTITION TYPES ARE BASED ON 5/8" THICK GYPSUM BOARD. ALTERNATE GYPSUM BOARD THICKNESSES WILL HAVE A DIFFERENT ASSEMBLY THICKNESS.
- WHERE RATED ASSEMBLY EXTENDS TO STRUCTURE ABOVE PROVIDE UL APPROVED FIRE RATED HEAD OF WALL ASSEMBLY TO MATCH RATING OF WALL. WALL HEIGHTS EXCEEDING STUD MANUFACTURER'S MAXIMUM (LIMITING) SPAN USING 5PSF LATERAL LOADING SHALL BE BRACED TO STRUCTURE ABOVE. (LAY-IN CEILINGS ARE NOT ACCEPTABLE BRACING, HARD CEILINGS ARE ACCEPTABLE).
- "STRUCTURE ABOVE" (AS NOTED IN THE PARTITION CONDITIONS) IS DEFINED AS THE UNDERSIDE OF ONE OR MORE OF THE FOLLOWING:
 - COMPOSITE FLOOR SLAB
 - STAIR TREADS/RISERS
 - METAL ROOF DECK
 - STEEL BEAMS
- IN NO CASE SHALL THE BOTTOM OF STEEL JOISTS BE CONSIDERED BOTTOM OF STRUCTURE ABOVE
- NR = NOT RATED

PARTITION TERMINATION AT DECK

FILL VOID WITH SOUND ATTENUATION BATT'S OR FIRESTOPPING (SAFING) INSULATION

METAL DECK

CONCRETE MASONRY UNIT

FILL VOID WITH SOUND ATTENUATION BATT'S OR FIRESTOPPING (SAFING) INSULATION

METAL DECK

CONCRETE MASONRY UNIT

METAL DECK

ACOUSTICAL SEALANT

CUT GYPSUM BOARD TO MATCH DECK OUTLINE

FILL VOID WITH SOUND ATTENUATION BATT'S OR FIRESTOPPING (SAFING) INSULATION

METAL DECK

ACOUSTICAL SEALANT (BOTH SIDES)

GYPSUM BOARD AS SCHEDULED

STUDS WITH SOUND ATTENUATION BATT'S

ACOUSTICAL SEALANT (BOTH SIDES)

METAL DECK

FILL VOID WITH SOUND ATTENUATION BATT'S OR FIRESTOPPING (SAFING) INSULATION

GYPSUM BOARD AS SCHEDULED

STUDS WITH SOUND ATTENUATION BATT'S

2A. PERPENDICULAR ELEVATION

2. STUD PERPENDICULAR TO DECK

1. STUD PARALLEL TO DECK

Williamson County Canine Training Facility

Texas Highway Patrol Canine Training and Housing Facility

CLIENT

Department of Public Safety

810 County Road 240 Florence, TX 76527

PROJECT NO.

42058.23

10/10/2025

Construction Documents

#

DATE

DESCRIPTION

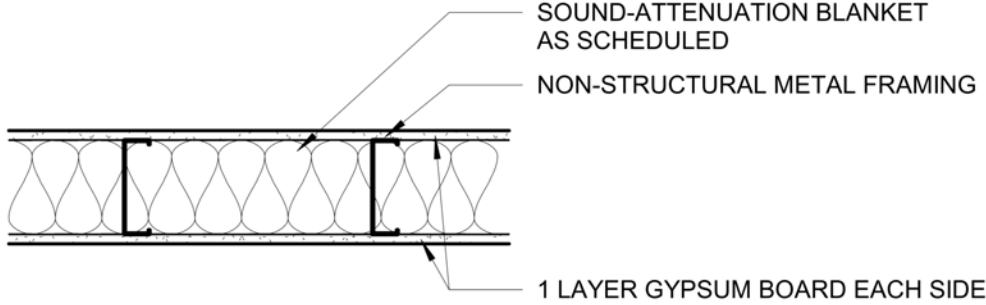
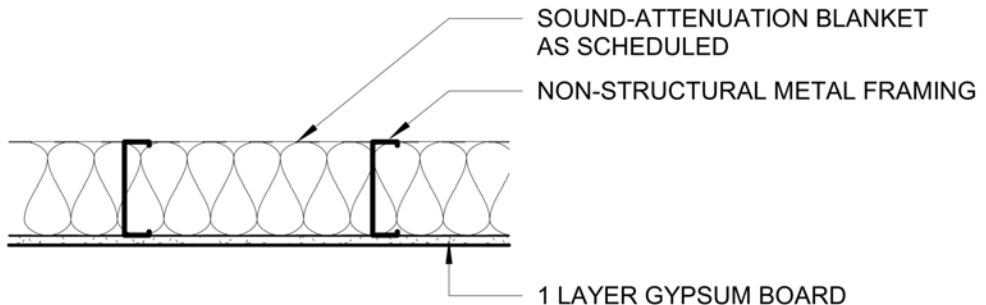
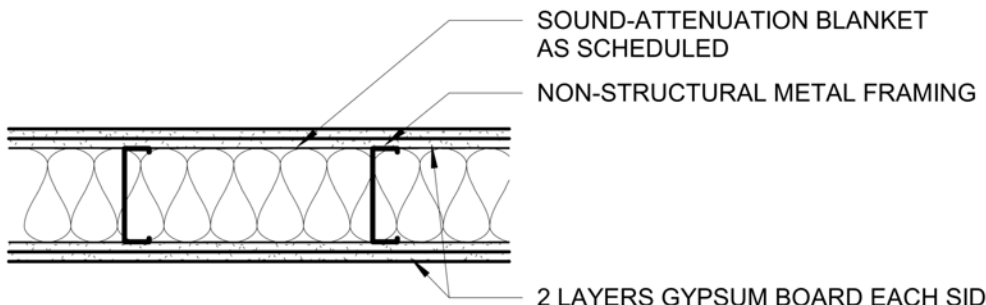
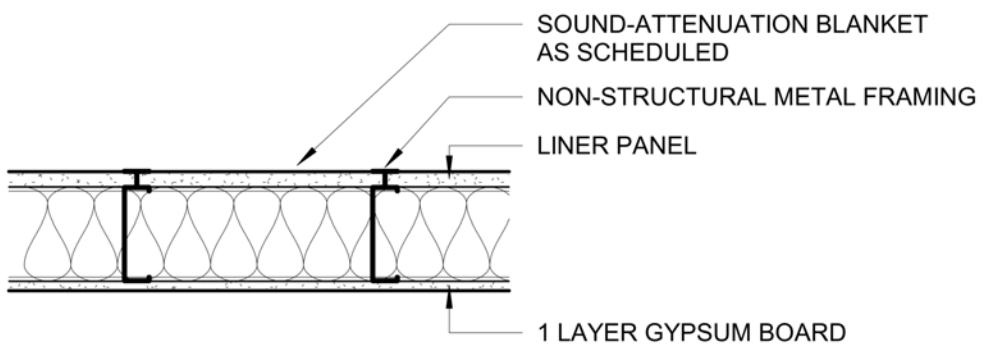
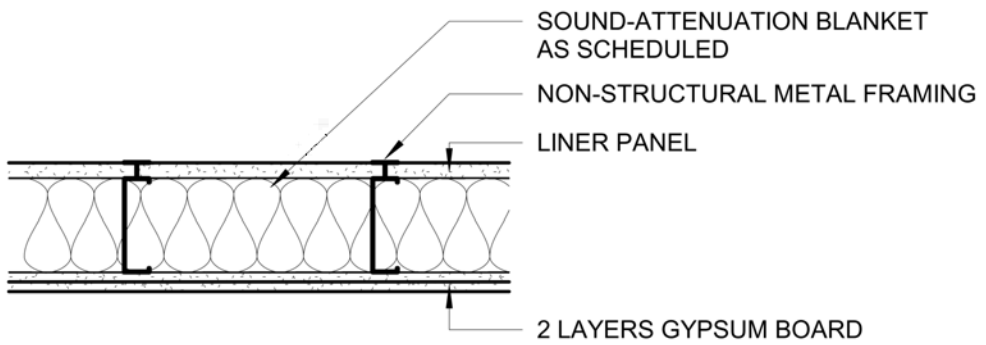
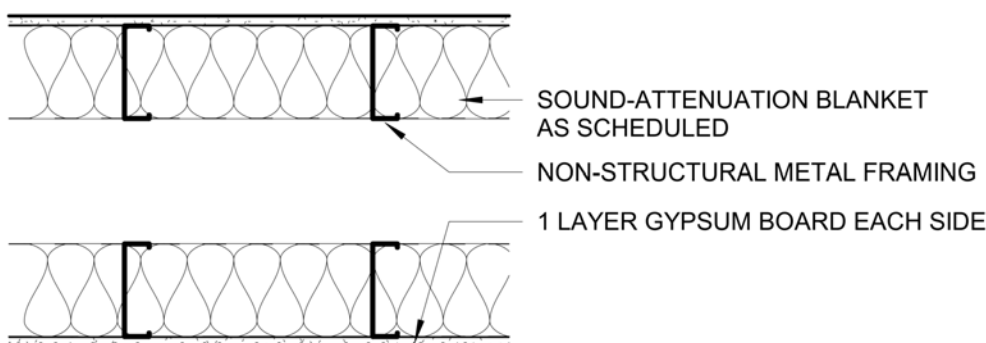
Interior Partition Schedule

A-002

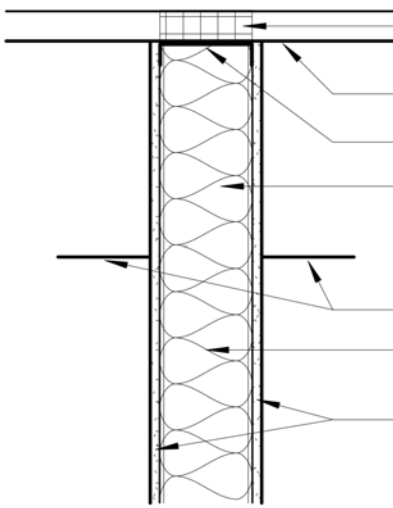
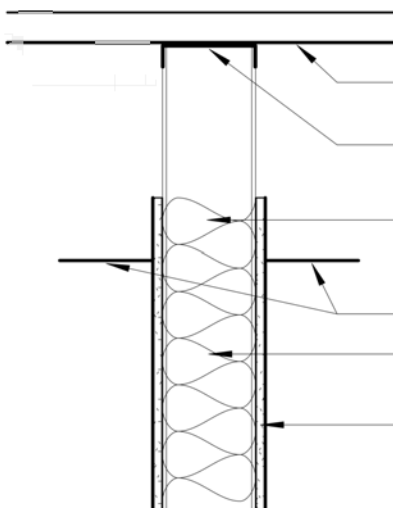
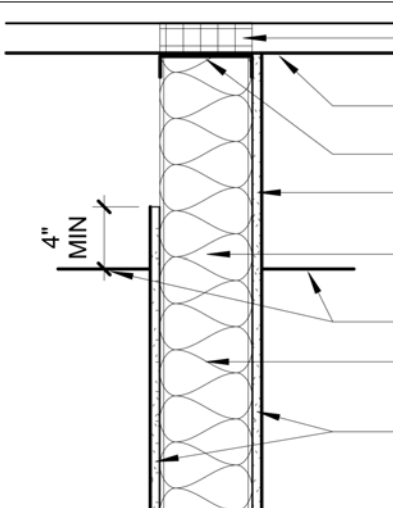
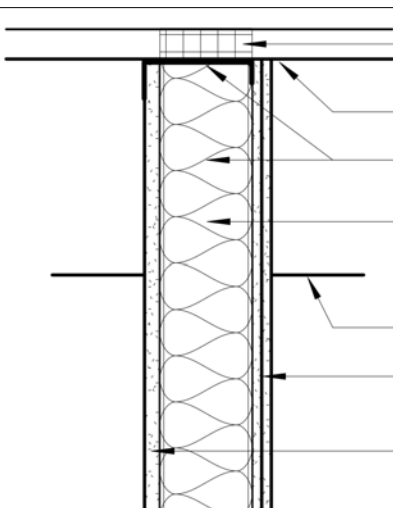
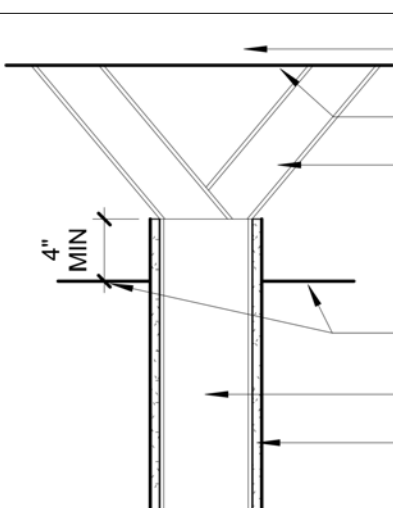
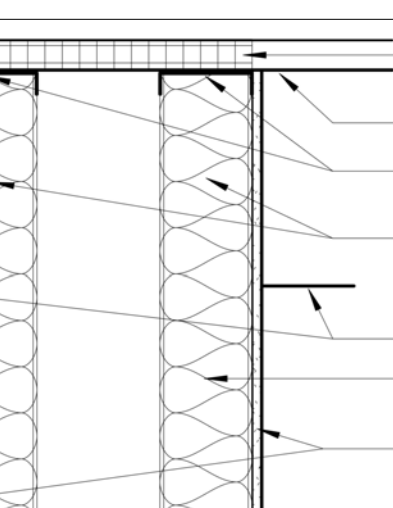
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R_v24

INTERIOR PARTITION SCHEDULE

(PLAN)		PARTITION TYPE									
A	 SOUND-ATTENUATION BLANKET AS SCHEDULED NON-STRUCTURAL METAL FRAMING 1 LAYER GYPSUM BOARD EACH SIDE METAL FRAMING WALL ASSEMBLY		1	2	3	4	5	6	7	8	
		ASSEMBLY THICKNESS	3 3/4"	3 3/4"	4 7/8"	4 7/8"	7 1/4"	7 1/4"	9 1/4"	9 1/4"	
		NON-STRUCTURAL METAL FRAMING	2 1/2"	2 1/2"	3 5/8"	3 5/8"	6"	6"	8"	8"	
		SOUND-ATTENUATION BLANKETS		REQ.		REQ.		REQ.	REQ.	REQ.	
		UL DESIGN ASSEMBLY	U465	U465	U465	U465	U465	U465	U465	U465	
		FIRE RATING (IF REQUIRED BY CODE SHEET)	1 HOUR	1 HOUR	1 HOUR	1 HOUR	1 HOUR	1 HOUR	1 HOUR	1 HOUR	
		STC RATING	35	48	40	46		51			
B	 SOUND-ATTENUATION BLANKET AS SCHEDULED NON-STRUCTURAL METAL FRAMING 1 LAYER GYPSUM BOARD METAL FRAMING WALL ASSEMBLY		1	2	3	4	5	6	7	8	
		ASSEMBLY THICKNESS	3 1/8"	3 1/8"	4 1/4"	4 1/4"	6 5/8"	6 5/8"	8 5/8"	8 5/8"	
		NON-STRUCTURAL METAL FRAMING	2 1/2"	2 1/2"	3 5/8"	3 5/8"	6"	6"	8"	8"	
		SOUND-ATTENUATION BLANKETS		REQ.		REQ.		REQ.	REQ.	REQ.	
		UL DESIGN ASSEMBLY									
		FIRE RATING (IF REQUIRED BY CODE SHEET)	NR	NR	NR	NR	NR	NR	NR	NR	
		STC RATING				34		37			
C	 SOUND-ATTENUATION BLANKET AS SCHEDULED NON-STRUCTURAL METAL FRAMING 2 LAYERS GYPSUM BOARD EACH SIDE METAL FRAMING WALL ASSEMBLY		1	2	3	4	5	6	7	8	
		ASSEMBLY THICKNESS	5"	5"	6 1/8"	6 1/8"	8 1/2"	8 1/2"	10 1/2"	10 1/2"	
		NON-STRUCTURAL METAL FRAMING	2 1/2"	2 1/2"	3 5/8"	3 5/8"	6"	6"	8"	8"	
		SOUND-ATTENUATION BLANKETS		REQ.		REQ.		REQ.	REQ.	REQ.	
		UL DESING ASSEMBLY	U411	U411	U411	U411	U411	U411	U411	U411	
		FIRE RATING (IF REQUIRED BY CODE SHEET)	2 HOUR	2 HOUR	2 HOUR	2 HOUR	2 HOUR	2 HOUR	2 HOUR	2 HOUR	
		STC RATING		57		49		54			
D	 SOUND-ATTENUATION BLANKET AS SCHEDULED NON-STRUCTURAL METAL FRAMING LINER PANEL 1 LAYER GYPSUM BOARD SHAFT WALL ASSEMBLY		1	2	3	4	5	6			
		ASSEMBLY THICKNESS	3 1/8"	3 1/8"	4 5/8"	4 5/8"	6 5/8"	6 5/8"			
		NON-STRUCTURAL METAL FRAMING	2 1/2"	2 1/2"	4"	4"	6"	6"			
		SOUND-ATTENUATION BLANKETS		REQ.		REQ.		REQ.			
		UL DESIGN ASSEMBLY	U499	U499	U499	U499	U499	U499			
		FIRE RATING (IF REQUIRED BY CODE SHEET)	1 HOUR	1 HOUR	1 HOUR	1 HOUR	1 HOUR	1 HOUR			
		STC RATING	34	42	39	47		53			
E	 SOUND-ATTENUATION BLANKET AS SCHEDULED NON-STRUCTURAL METAL FRAMING LINER PANEL 2 LAYERS GYPSUM BOARD SHAFT WALL ASSEMBLY		1	2	3	4	5	6			
		ASSEMBLY THICKNESS	3 3/4"	3 3/4"	5 1/4"	5 1/4"	7 1/4"	7 1/4"			
		NON-STRUCTURAL METAL FRAMING	2 1/2"	2 1/2"	4"	4"	6"	6"			
		SOUND-ATTENUATION BLANKETS		REQ.		REQ.		REQ.			
		UL DESIGN ASSEMBLY	U497	U497	U497	U497	U497	U497			
		FIRE RATING (IF REQUIRED BY CODE SHEET)	2 HOUR	2 HOUR	2 HOUR	2 HOUR	2 HOUR	2 HOUR			
		STC RATING	39	47		51		53			
F	 SOUND-ATTENUATION BLANKET AS SCHEDULED NON-STRUCTURAL METAL FRAMING 1 LAYER GYPSUM BOARD EACH SIDE CHASE WALL ASSEMBLY		1	2	3	4	5	6			
		ASSEMBLY THICKNESS	PER PLAN	PER PLAN	PER PLAN	PER PLAN	PER PLAN	PER PLAN			
		NON-STRUCTURAL METAL FRAMING	2 1/2"	2 1/2"	3 5/8"	3 5/8"	6"	6"			
		SOUND ATTENUATION BLANKETS		REQ.		REQ.		REQ.			
		UL DESIGN ASSEMBLY	V488	V488	V488	V488	V488	V488			
		FIRE RATING (IF REQUIRED BY CODE SHEET)	1 HOUR	1 HOUR	1 HOUR	1 HOUR	1 HOUR	1 HOUR			
		STC RATING		57		60					

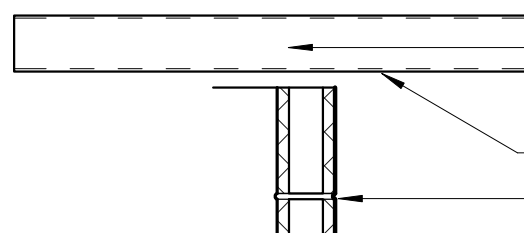
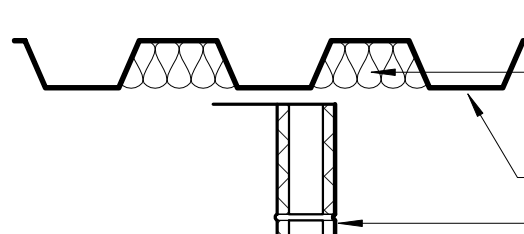
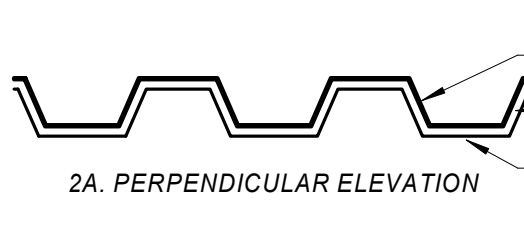
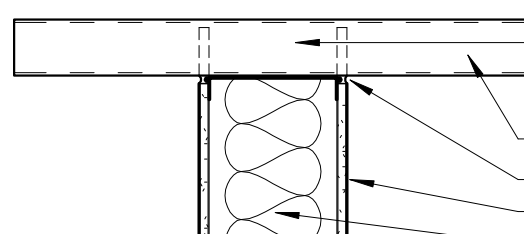
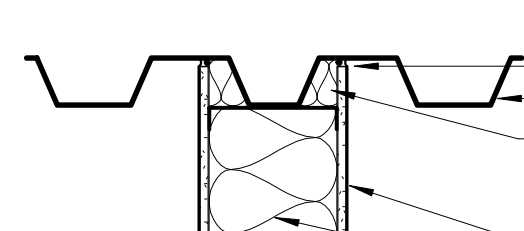
ABOVE CEILING CONDITION (SECTION)

a	 REFER TO PARTITION TERMINATION AT DECK UNDERSIDE OF STRUCTURE OR DECK DEFLECTION TRACK NON-STRUCTURAL METAL FRAMING CEILING AS SCHEDULED SOUND ATTENUATION BLANKET AS SCHEDULED GYPSUM BOARD FULL HEIGHT TO DECK
b	 UNDERSIDE OF STRUCTURE OR DECK DEFLECTION TRACK NON-STRUCTURAL METAL FRAMING CEILING AS SCHEDULED SOUND ATTENUATION BLANKET AS SCHEDULED GYPSUM BOARD - REFER TO PARTITION TYPE FOR LOCATION
c	 REFER TO PARTITION TERMINATION AT DECK UNDERSIDE OF STRUCTURE OR DECK DEFLECTION TRACK GYPSUM BOARD ONE SIDE ONLY FULL HEIGHT TO DECK NON-STRUCTURAL METAL FRAMING CEILING AS SCHEDULED SOUND ATTENUATION BLANKET AS SCHEDULED GYPSUM BOARD BOTH SIDES
d	 REFER TO PARTITION TERMINATION AT DECK UNDERSIDE OF STRUCTURE OR DECK NON-STRUCTURAL METAL FRAMING SOUND-ATTENUATION BLANKET AS SCHEDULED CEILING AS SCHEDULED GYPSUM BOARD FULL HEIGHT TO DECK LINER PANEL
e	 REFER TO PARTITION TERMINATION AT DECK UNDERSIDE OF STRUCTURE OR DECK BRACING CEILING AS SCHEDULED NON-STRUCTURAL METAL FRAMING GYPSUM BOARD - REFER TO PARTITION TYPE FOR LOCATION
f	 REFER TO PARTITION TERMINATION AT DECK UNDERSIDE OF STRUCTURE OR DECK DEFLECTION TRACK NON-STRUCTURAL METAL FRAMING CEILING AS SCHEDULED SOUND ATTENUATION BLANKET AS SCHEDULED GYPSUM BOARD BOTH SIDES

GENERAL NOTES

- A. REFER SPECIFICATIONS FOR WALL SUBSTRATE AT AREAS TO RECEIVE AN APPLIED FINISH OR HUMID/WET.
B. AT WALLS SCHEDULED TO RECEIVE WALL TILE, REFER TO SPECIFICATIONS FOR SUBSTRATE MATERIAL

PARTITION TERMINATION AT DECK

 FILL VOID WITH SOUND ATTENUATION BATTS OR FIRESTOPPING (SAFING) INSULATION METAL DECK CONCRETE MASONRY UNIT	 FILL VOID WITH SOUND ATTENUATION BATTS OR FIRESTOPPING (SAFING) INSULATION METAL DECK CONCRETE MASONRY UNIT
 2A. PERPENDICULAR ELEVATION METAL DECK ACOUSTICAL SEALANT CUT GYPSUM BOARD TO MATCH DECK OUTLINE	 FILL VOID WITH SOUND ATTENUATION BATTS OR FIRESTOPPING (SAFING) INSULATION METAL DECK ACOUSTICAL SEALANT (BOTH SIDES) GYPSUM BOARD AS SCHEDULED STUDS WITH SOUND ATTENUATION BATTS
 2. STUD PERPENDICULAR TO DECK ACOUSTICAL SEALANT (BOTH SIDES) METAL DECK FILL VOID WITH SOUND ATTENUATION BATTS OR FIRESTOPPING (SAFING) INSULATION GYPSUM BOARD AS SCHEDULED STUDS WITH SOUND ATTENUATION BATTS	 1. STUD PARALLEL TO DECK ACOUSTICAL SEALANT (BOTH SIDES) METAL DECK FILL VOID WITH SOUND ATTENUATION BATTS OR FIRESTOPPING (SAFING) INSULATION GYPSUM BOARD AS SCHEDULED STUDS WITH SOUND ATTENUATION BATTS

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PROJECT NO.

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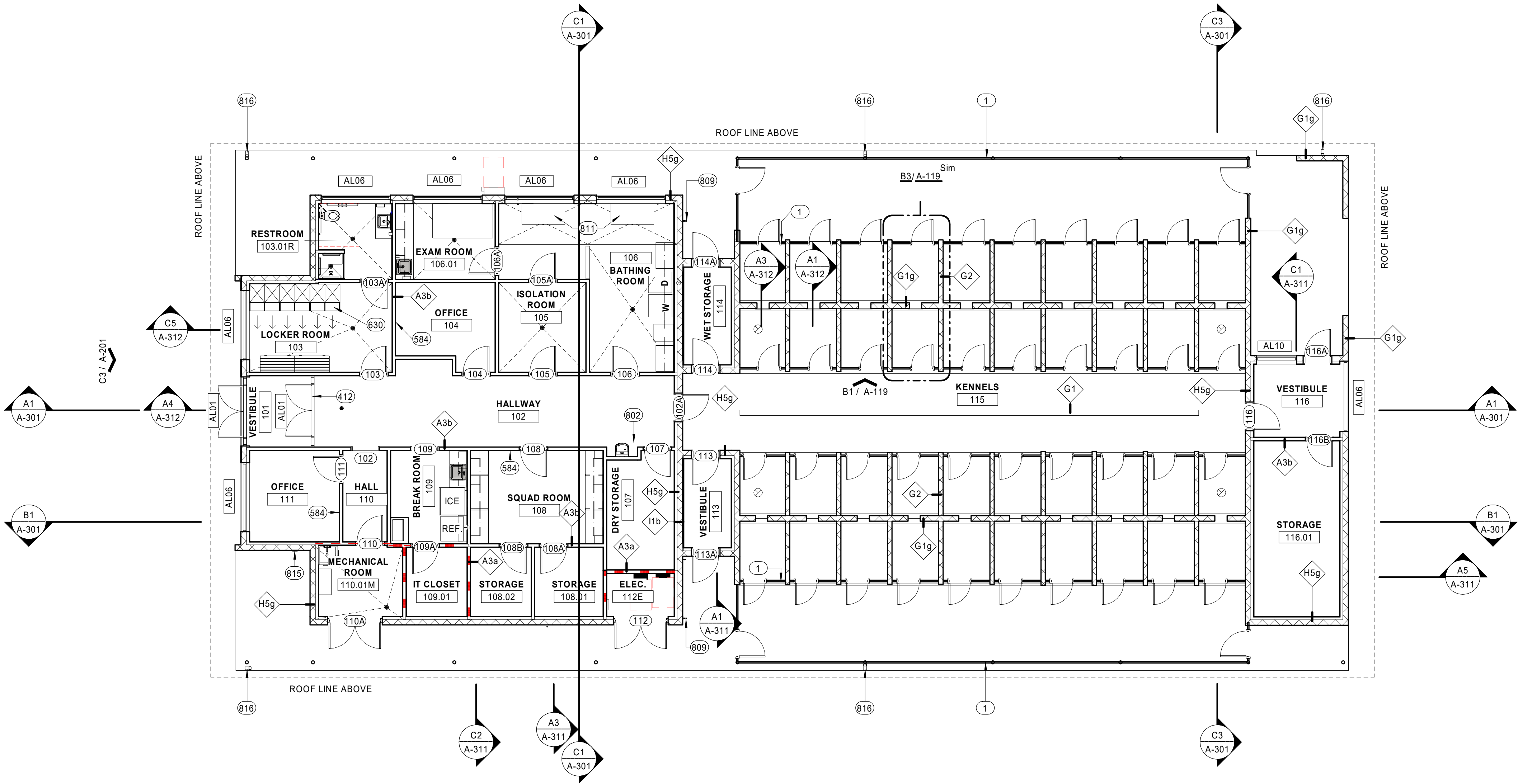
10/10/2025 Construction Documents

DATE DESCRIPTION

Interior Partition Schedule

A-003

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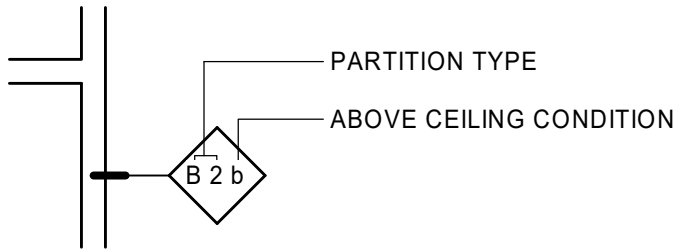
B1 FIRST FLOOR - FLOOR PLAN - ANNOTATED
1/8" = 1'-0"

GENERAL NOTES

- A. REFER TO ACCESSIBILITY STANDARDS SHEETS FOR TYPICAL MOUNTING LOCATIONS FOR TOILET ROOM ACCESSORIES.
- B. ALL INTERIOR WALLS ARE A6a UNLESS NOTED OTHERWISE. REFER TO SHEET A-002 & A-003 FOR INTERIOR PARTITION SCHEDULE.

PARTITION GENERAL NOTES

THE FOLLOWING PARTITION GRAPHIC SYMBOL AND THREE PART NOTATION SYSTEM IS USED IN THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT. NOTE: THE PARTITION CONSTRUCTION WILL MAINTAIN ITS DESIGNATION TO THE POINT OF AN INTERSECTING PARTITION. IF NO CHANGE IN DESIGNATION IS SHOWN BEYOND THE INTERSECTION, THE PREVIOUS PARTITION CONSTRUCTION DESIGNATION APPLIES. REFER TO CODE PLAN G-101 FOR RATED WALLS.



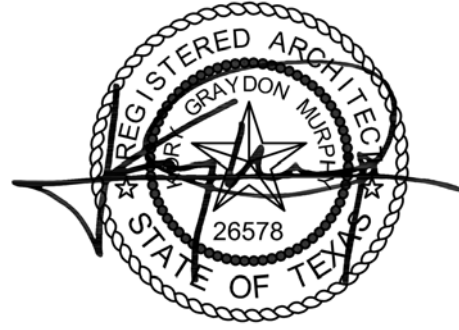
- WHERE SOUND-ATTENUATION BLANKETS ARE SCHEDULED :
 - 1. INSTALL ACOUSTICAL SEALANT AT ALL PENETRATIONS PER MANUFACTURER'S INSTRUCTIONS AT TOP AND BOTTOM OF WALLS (BOTH SIDES).
 - 2. PUTTY PADS AT ALL WALL PENETRATIONS INCLUDING ELECTRIC OUTLETS, IT BACK BOXES.
- ALL ASSEMBLY THICKNESSES LISTED IN THE PARTITION TYPES ARE BASED ON 5/8" THICK GYPSUM BOARD. ALTERNATE GYPSUM BOARD THICKNESSES WILL HAVE A DIFFERENT ASSEMBLY THICKNESS.
- WHERE RATED ASSEMBLY EXTENDS TO STRUCTURE ABOVE PROVIDE UL APPROVED FIRE RATED HEAD OF WALL ASSEMBLY TO MATCH RATING OF WALL. WALL HEIGHTS EXCEEDING STUD MANUFACTURER'S MAXIMUM (LIMITING) SPAN USING 5PSF LATERAL LOADING SHALL BE BRACED TO STRUCTURE ABOVE. (LAY-IN CEILINGS ARE NOT ACCEPTABLE BRACING, HARD CEILINGS ARE ACCEPTABLE).
- "STRUCTURE ABOVE" (AS NOTED IN THE PARTITION CONDITIONS) IS DEFINED AS THE UNDERSIDE OF ONE OR MORE OF THE FOLLOWING:
 - * COMPOSITE FLOOR SLAB
 - * STAIR TREADS/RSERS
 - * METAL ROOF DECK
 - * STEEL BEAMS
- IN NO CASE SHALL THE BOTTOM OF STEEL JOISTS BE CONSIDERED BOTTOM OF STRUCTURE ABOVE
- NR = NOT RATED

KEY NOTES

AS INDICATED BY: (#) →

- 1 CHAIN-LINK FENCE
- 412 ALUM STORE FRONT & GLAZING, AS SCHED
- 584 TV, ADD APPROPRIATE BLOCKING WHERE NECESSARY, MOUNT AT APPROPRIATE HEIGHT, & COORDINATE INSTALLATION WITH OWNER, OFCI
- 630 METAL LOCKER 48" W X 24" D, CFCI
- 802 HI-LO DRINKING FOUNTAIN, REF. PLUMBING
- 809 HOSE BIB, REF. PLUMBING
- 811 TUB, BASIS OF DESIGN: WAGGZ POWER-SLIDE XL 60" ELECTRIC DOG GROOMING TUB (BLACK) SKU: WZ-231EL-BLK, CFCI
- 815 WALL HYDRANT, REF. PLUMBING
- 816 DOWNSPOUT, REF. PLUMBING

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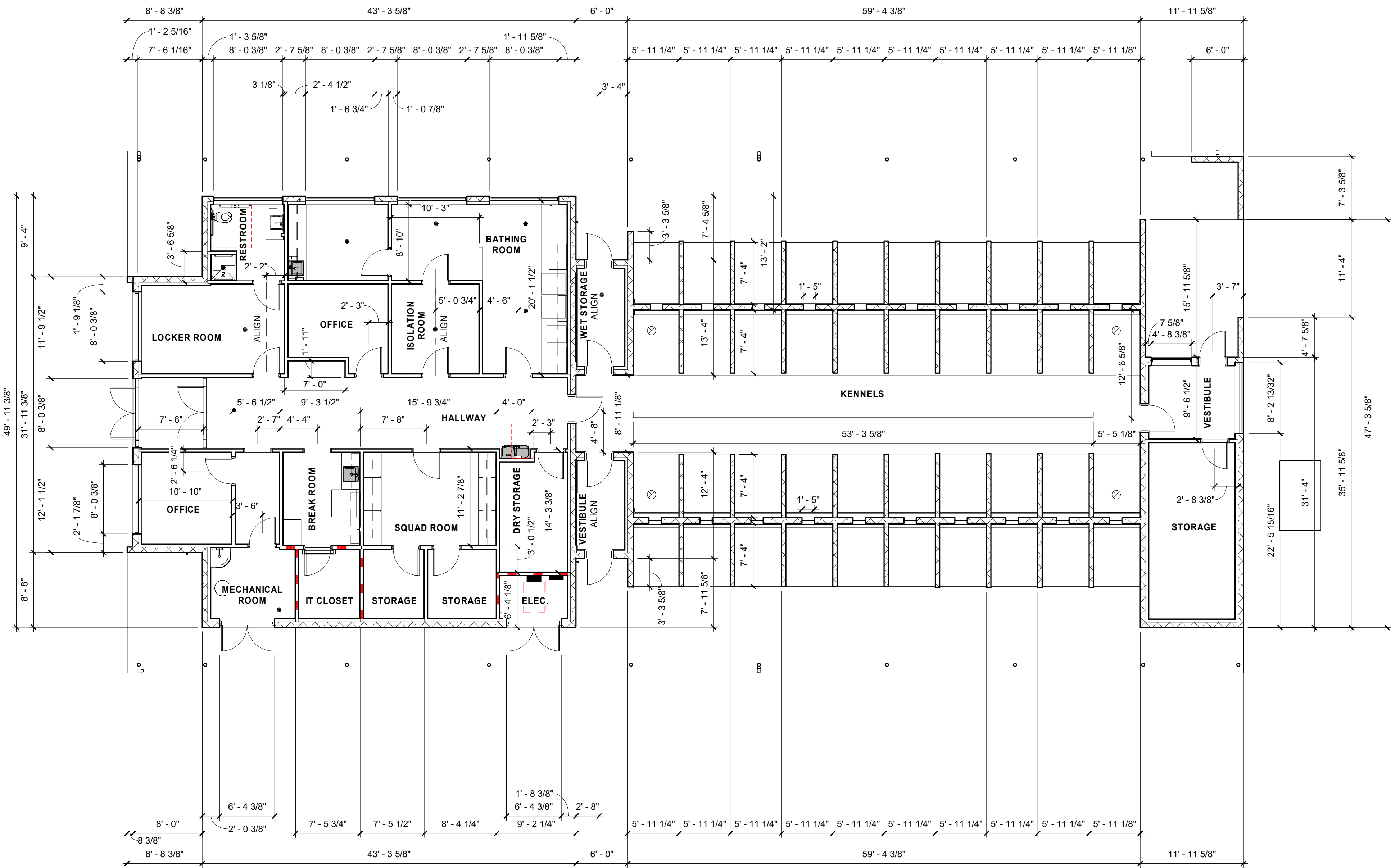
PROJECT NO.
42058.23

- 10/10/2025 Construction Documents
DATE DESCRIPTION

**First Floor Plan -
Annotated**

A-111

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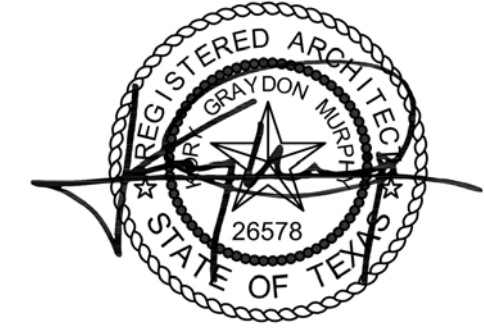
B1 FIRST FLOOR - FLOOR PLAN - DIMENSIONED
1/8" = 1'-0"



GENERAL NOTES

- A. DIMENSIONS ARE TO FACE OF STUD, CMU, OR CENTERLINE OF STRUCTURE UNO.
- B. WALLS ARE 3 5/8" METAL STUDS UNO.
- C. VERIFY DIMENSIONAL DISCREPANCIES W/ ARCHITECT PRIOR TO CONSTRUCTION.
- D. REFER TO ACCESSIBILITY STANDARDS SHEETS FOR TYPICAL MOUNTING HEIGHTS/LOCATIONS FOR TOILET ROOM ACCESSORIES.

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DATE DESCRIPTION

**First Floor Plan -
Dimensioned**

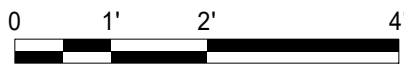
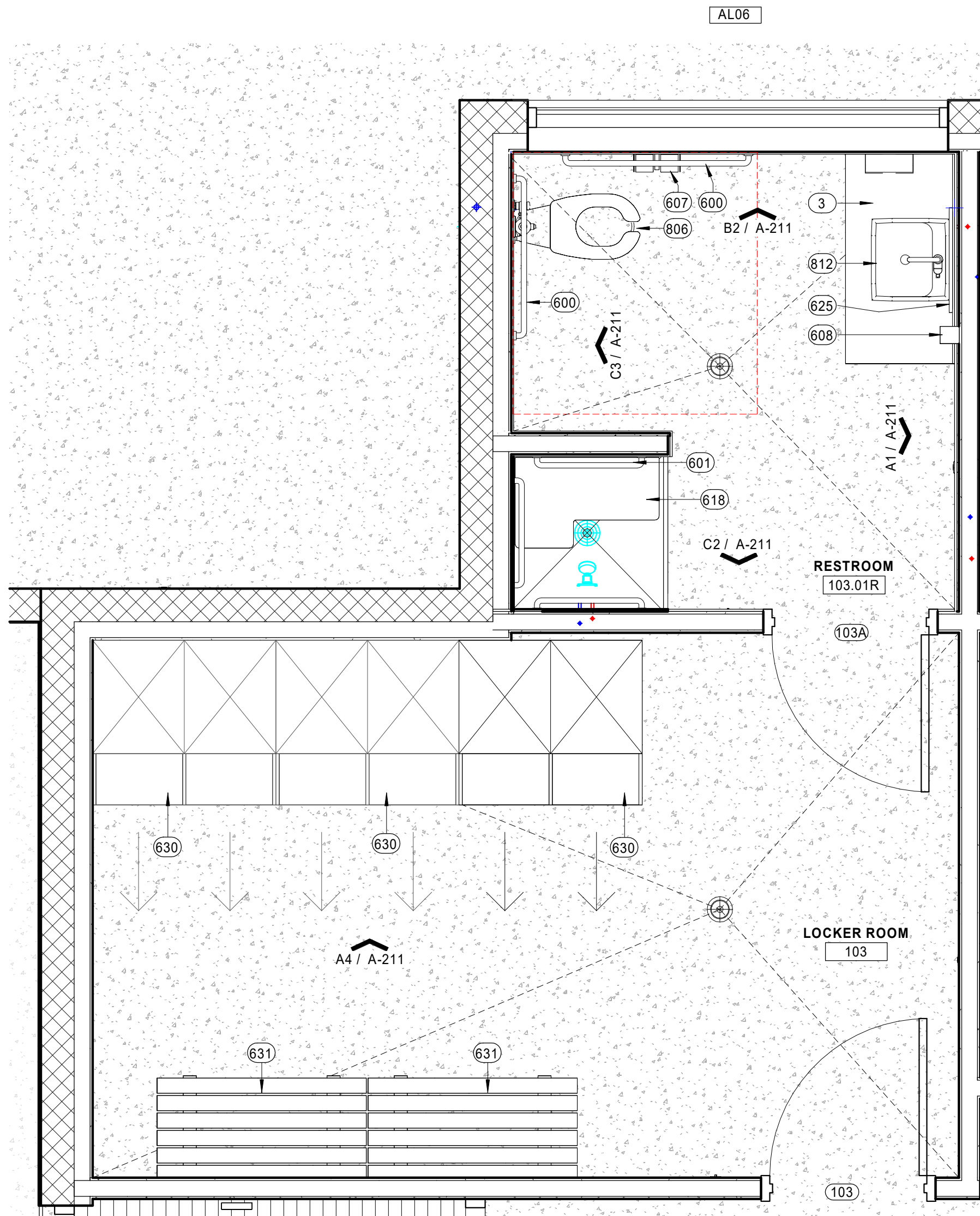
A-112

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B3

ROOM DATA SHEET - LOCKER ROOM AND RESTROOM

1/2" = 1'-0"



CANINE TRAINING FACILITY - LOCKER ROOM & RESTROOM
DESIGN SUMMARY

ACTIVITIES: LOCKER ROOM & RESTROOM

FINISHES: WALL PAINT: REF. INTERIORS
FLOORING: REF. INTERIORS

LIGHTING: DUAL LIGHT SWITCHES W/ OCCUPANCY SENSOR

SPECIAL ELEC: N/A.

EQUIPMENT: FLOOR DRAINS IN RESTROOM & LOCKER ROOM

SPECIAL FEATURES:
RESTROOM: ALL ARE BASIS OF DESIGN
BATH TOWEL HOOK: DELTA, ALTADO ROBE HOOK IN STAINLESS, MODEL# 74235-SS - CFCI
PAPER TOWEL DISPENSER: BOBRICK SURFACE-MOUNTED AUTO, ROLL PAPER TOWEL DISPENSER, MODEL B-2974 - CFCI
TRASH CAN & MIRROR
SOAP DISPENSER: BOBRICK, AUTO WALL-MOUNTED FOAM SOAP DISPENSER, MODEL B-2013 - CFCI
TOILET PAPER DISPENSER: BOBRICK, SURFACE MOUNTED TWIN JUMBO ROLL DISPENSER, MODEL B-2892 - CFCI
SHOWER ACCESSORIES: DELTA, ALTADO MONITOR 14 SHOWER TRIM IN STAINLESS, MODEL # T14242-SS - CFCI

KEY NOTES

AS INDICATED BY: (#) →

- | | |
|-----|--|
| 3 | ADA MILLWORK |
| 600 | GRAB BAR (GB) |
| 601 | SHOWER GRAB BAR (SGB) |
| 607 | TLT TISSUE DISPENSER (TTD-1) |
| 608 | SOAP DISPENSER (SD) |
| 618 | SHOWER SEAT (SS) |
| 625 | MIRROR, 24 X 48 |
| 630 | METAL LOCKER 48" W X 24" D, CFCI |
| 631 | ADA BENCH 18HX48W, SHIELDED TO FLOOR, CFCI |
| 806 | TOILET, REF PLUMBING |
| 812 | ADA SINK, REF. PLUMBING |

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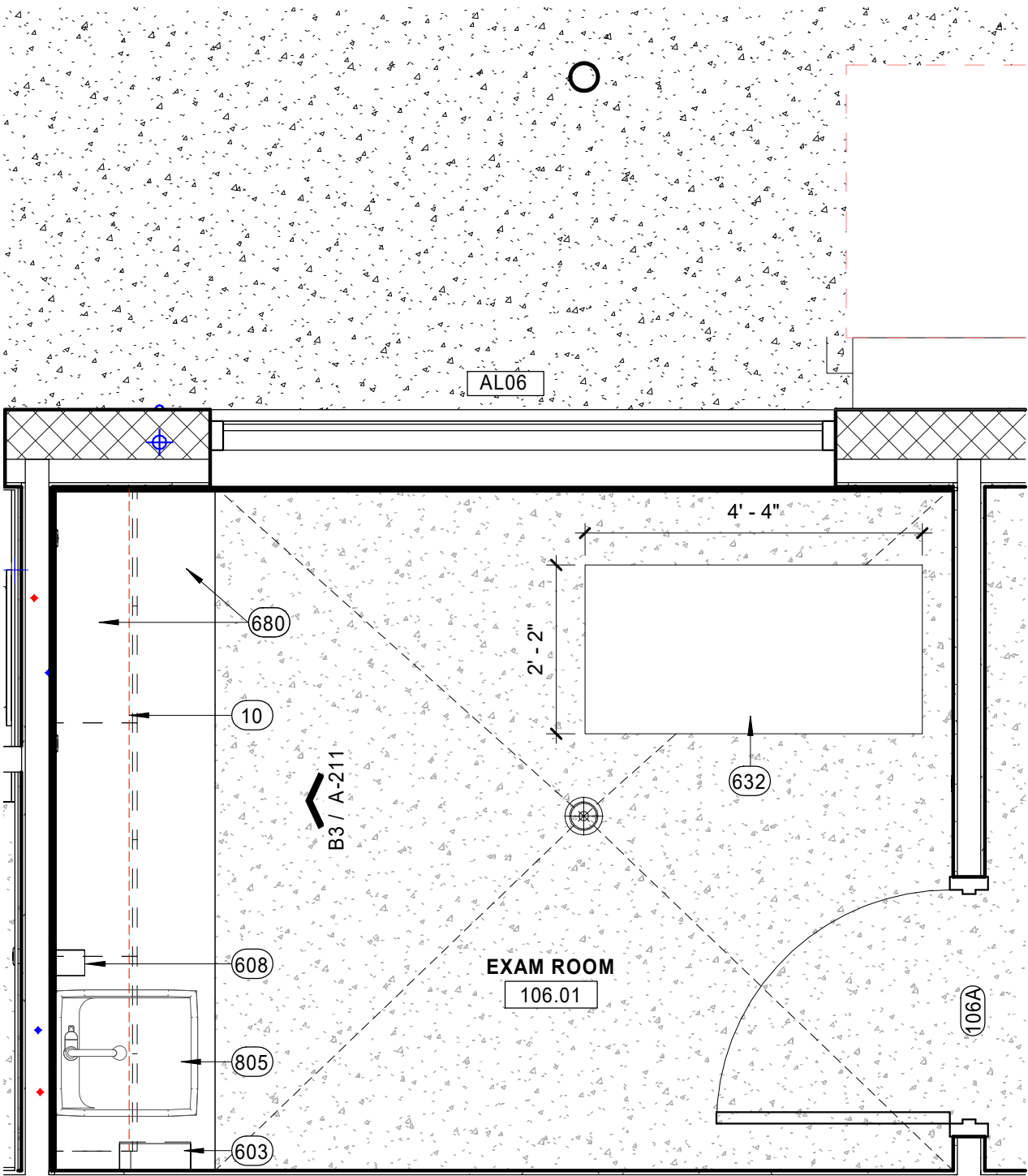
- 10/10/2025 Construction Documents

DATE DESCRIPTION

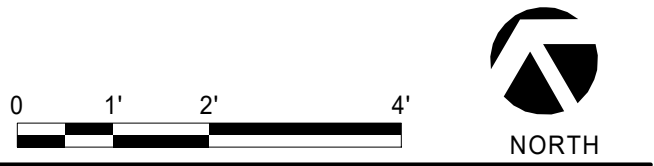
Room Data Sheet
- Locker Room &
Restroom

A-113

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B2 ROOM DATA SHEET - EXAM ROOM
1/2" = 1'-0"



CANINE TRAINING FACILITY - EXAM ROOM
DESIGN SUMMARY

ACTIVITIES: EXAM ROOM

FINISHES: WALL PAINT: REF. INTERIORS
FLOORING: REF. INTERIORS

LIGHTING: DIMMER W/ OCCUPANCY SENSOR

SPECIAL ELEC: UNDER COUNTER LIGHTING

EQUIPMENT:
WAGGZ - RANGE XL 52" BLACK ELECTRIC DOG GROOMING TABLE W/ DRAWERS & POWER OUTLETS, SKU: WZ-999P-BLK, CFCI
FLOOR DRAIN IN EXAM ROOM & LOCKER ROOM
GFCI RECEPTACLES AT THE COUNTER

SPECIAL FEATURES: SINK

KEY NOTES

AS INDICATED BY: (#) →

- 2 MILLWORK
- 10 UNDER CABINET LIGHTING, REF. ELECTRICAL
- 603 PAPER TOWEL DISPENSER (PTD)
- 608 SOAP DISPENSER (SD)
- 632 EXAM TABLE, BASIS OF DESIGN: WAGGZ STORE RANGE XL 52" BLACK ELECTRIC DOG GROOMING TABLE W/ DRAWERS & POWER OUTLETS, SKU: WZ-999P-BLK, CFCI
- 680 MILLWORK
- 805 ELKAY 20" X 22" SINK, REF. PLUMBING

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- 10/10/2025 Construction Documents

DATE DESCRIPTION

Room Data Sheet
- Exam Room

A-114

CANINE TRAINING FACILITY - ISOLATION & BATHING ROOMS
DESIGN SUMMARY

ACTIVITIES: ISOLATION, BATHING, WASH, DRY

FINISHES: WALL PAINT: REF. INTERIORS
FLOORING: REF. INTERIORS

LIGHTING: ISOLATION ROOM - DIMMER SWITCHES ON BOTH
THE EXTERIOR & INTERIOR OF THE ROOM

SPECIAL ELEC: N/A

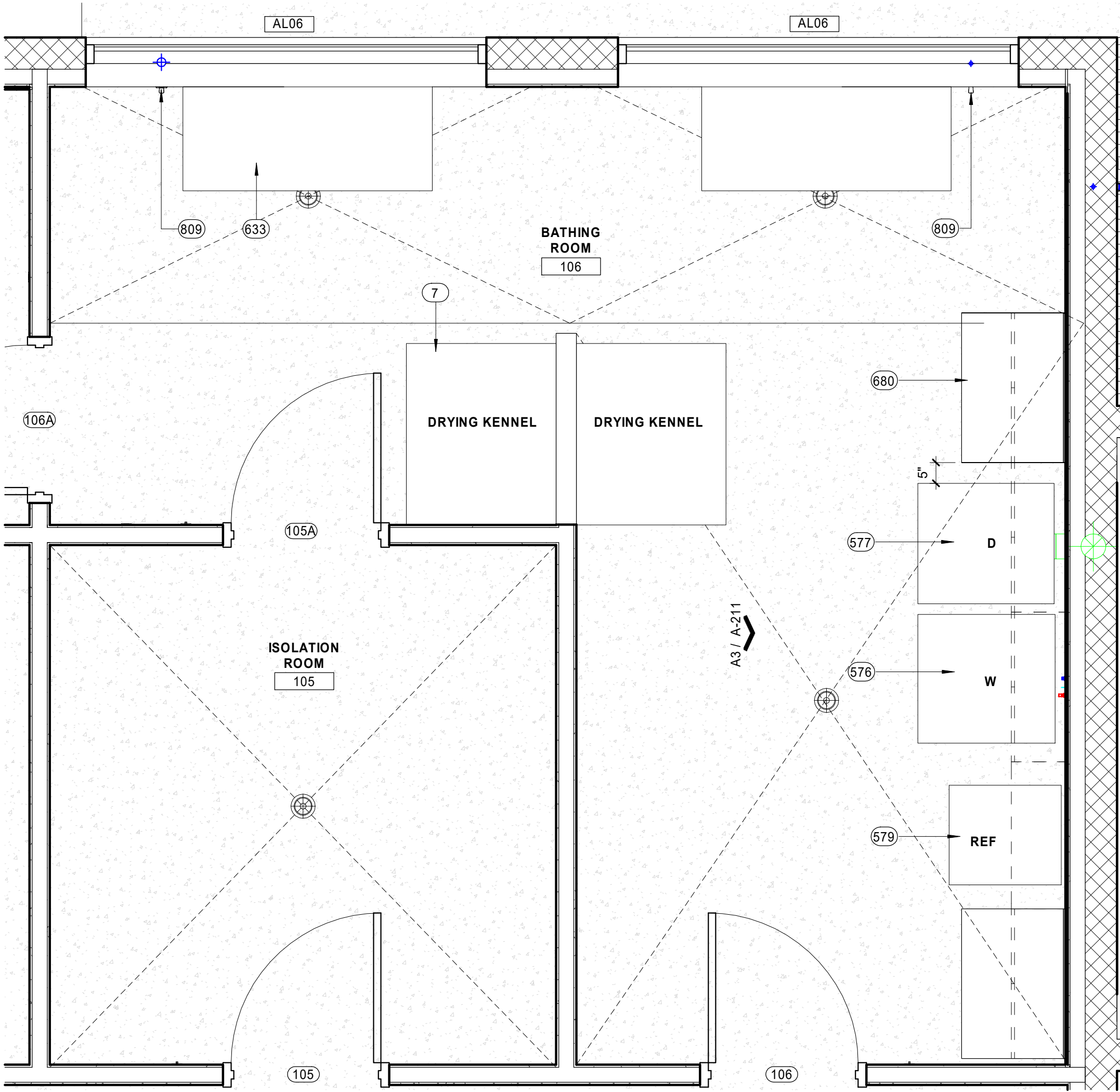
EQUIPMENT:
DOG WASH: BASIS OF DESIGN: WAGGZ POWER-SLIDE XL 60"
ELECTRIC DOG GROOMING TUB, BLACK - CFCI
BASIS OF DESIGN: WASHER - LG COMMERCIAL - CFCI
BASIS OF DESIGN: DRYER - LG COMMERCIAL - CFCI
BASIS OF DESIGN: REFRIGERATOR - KOOLMORE SS
1-DOOR REACH-IN, 12 CU.FT., #RIR-1D-SS12C - CFCI

SPECIAL FEATURES: MOISTURE RATED GYP. BOARD

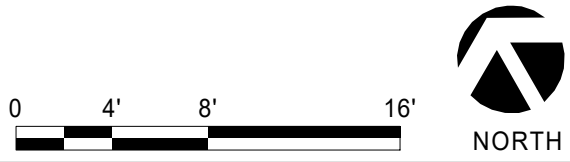
KEY NOTES

AS INDICATED BY: (#) →

- 7 DRYING KENNEL, OFOI
- 576 WASHER, CFCI, BASIS OF DESIGN: LG COMMERCIAL, LARGE CAPACITY
FRONTLOAD WASHER, #TCWM2013CD3
- 577 DRYER, CFCI, BASIS OF DESIGN: LG COMMERCIAL STANDARD CAPACITY
DRYER, #GDL1329CES7
- 579 REFRIGERATOR, CFCI, GC TO VERIFY IN FIELD DIMENSIONS. BASIS OF
DESIGN: KOOLMORE 26IN. COMMERCIAL STAINLESS STEEL REACH-IN
REFRIGERATOR, 12 CU. FT, RIR-1D-SS12C
- 633 DOG WASH, BASIS OF DESIGN: WAGGZ POWER-SLIDE XL 60"
ELECTRIC DOG GROOMING TUB, BLACK, SKU: WZ-231EL-BLK
- 680 MILLWORK
- 809 HOSE BIB, REF. PLUMBING



B2 ROOM DATA SHEET - ISOLATION AND BATHING ROOMS
1/2" = 1'-0"



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DATE DESCRIPTION

Room Data Sheet
- Isolation and
Bathing Rooms

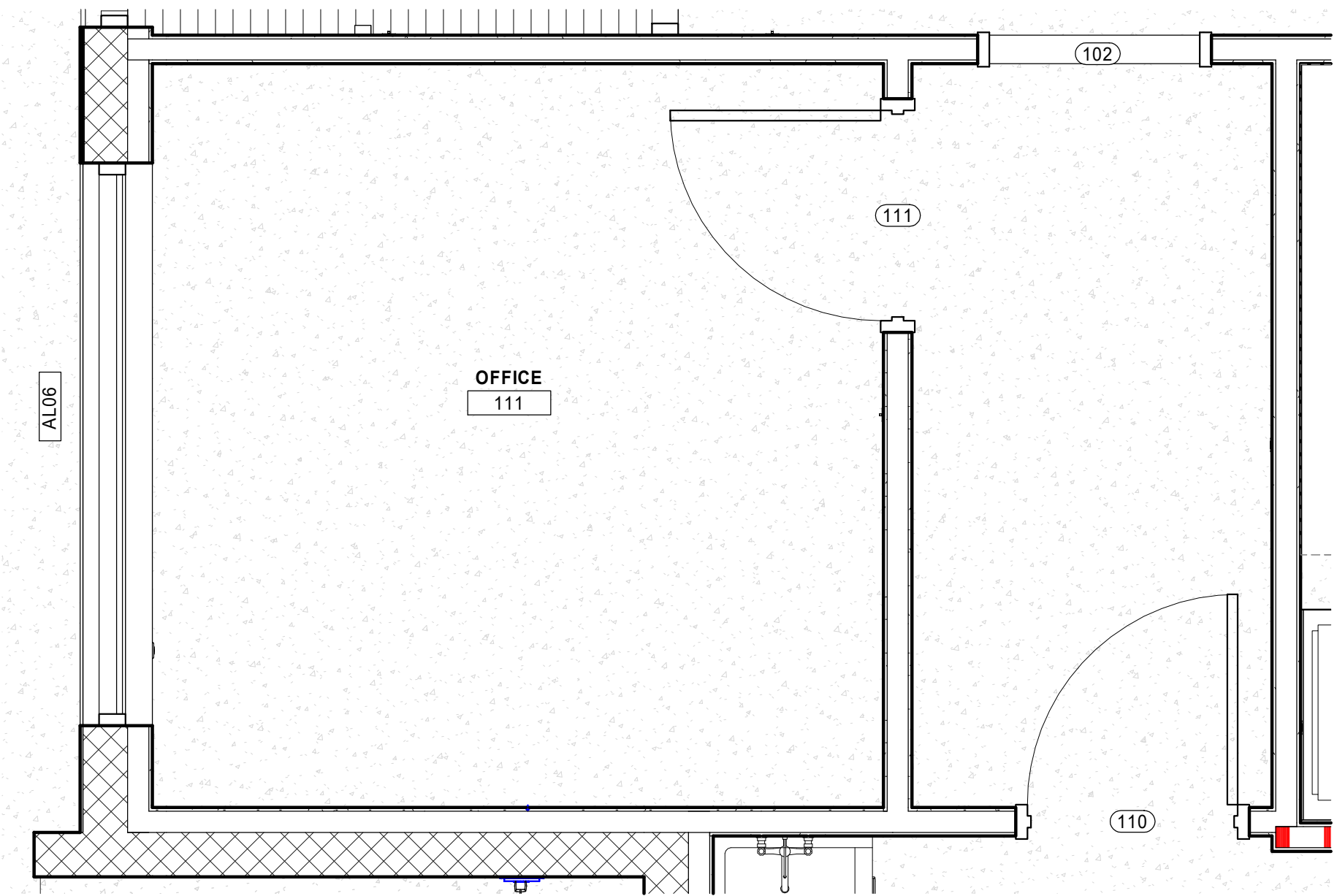
A-115

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B3

ROOM DATA SHEET - OFFICE

1/2" = 1'-0"



0 1' 2' 4'



NORTH

CANINE TRAINING FACILITY - OFFICE
DESIGN SUMMARY

ACTIVITIES: OFFICE

FINISHES: WALL PAINT: REF. INTERIORS
FLOORING: REF. INTERIORS

LIGHTING: STD LIGHTING
SWITCH WITH OCCUPANCY SENSOR

SPECIAL ELEC: N/A.

EQUIPMENT: N/A.

SPECIAL FEATURES: FURNITURE FROM THP -
REUSED DESK & NEW CHAIRS

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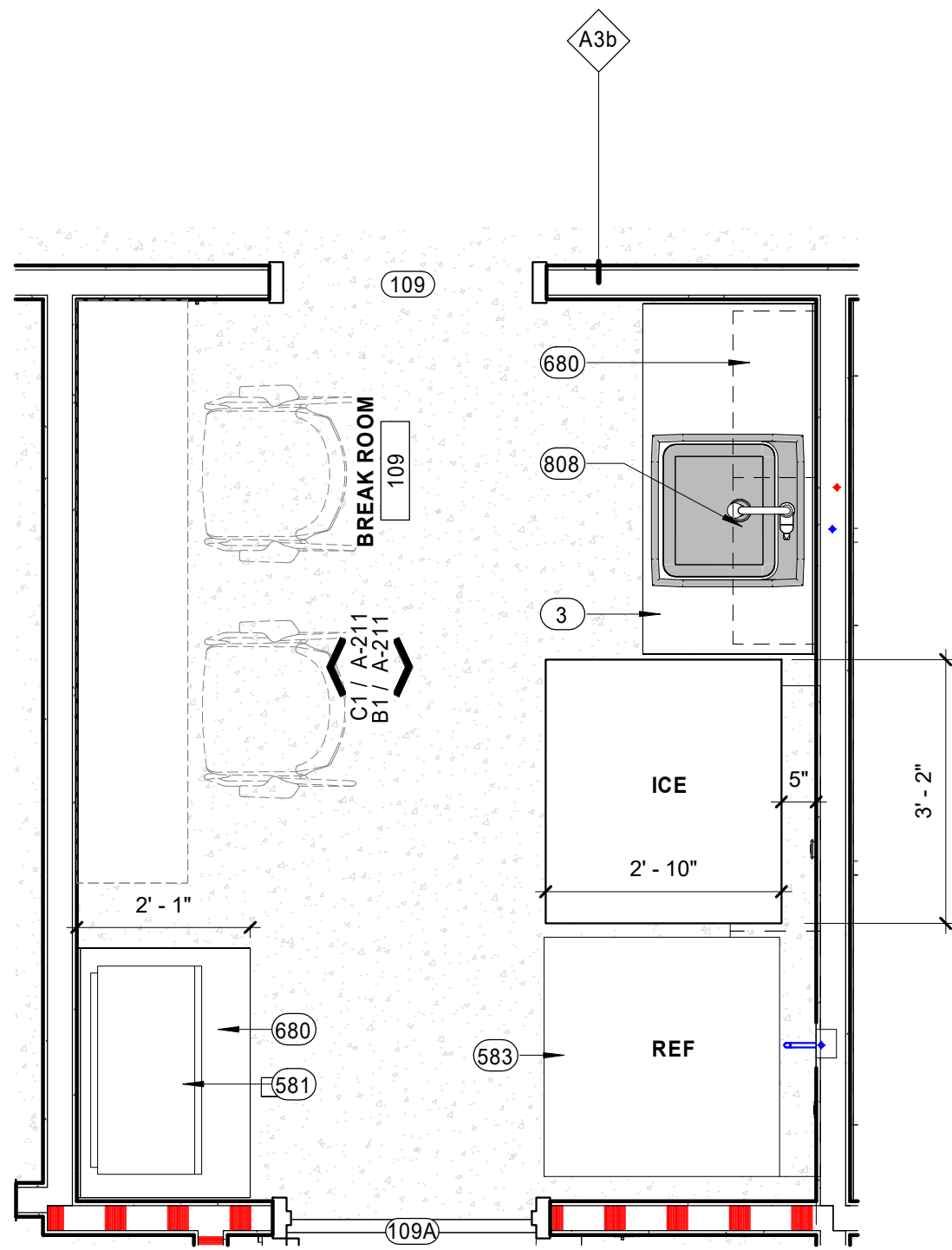
- 10/10/2025 Construction Documents

#	DATE	DESCRIPTION
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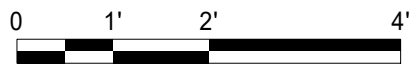
Room Data Sheet
- Office Room

A-116

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B2 ROOM DATA SHEET - BREAK ROOM
1/2" = 1'-0"



CANINE TRAINING FACILITY - BREAK ROOM
DESIGN SUMMARY

ACTIVITIES: BREAK ROOM

FINISHES: WALL PAINT: REF. INTERIORS
FLOORING: REF. INTERIORS

LIGHTING: SWITCH WITH OCCUPANCY SENSOR

SPECIAL ELEC: REFRIGERATOR, ICE MACHINE

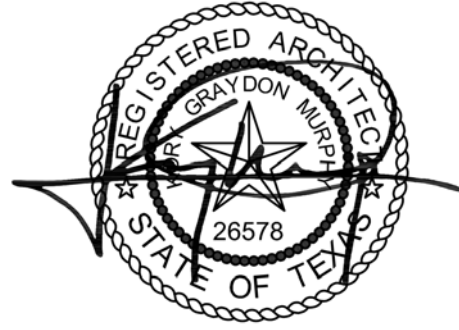
EQUIPMENT:
BASIS OF DESIGN:
COMMERCIAL ICE MAKER -
MANITOWOC iT0500 ON D-570 STORAGE BIN -
500LBS PER DAY CAPACITY, CFCI
LG 24 CU. FT. TOP FREEZER REFRIGERATOR WITH
AIRFLOW SYSTEM, STAINLESS STEEL, MODEL #
LHTNS2403S,CFCI
LG 2 CU. FT. NEOCHEF COUNTERTOP MICROWAVE
OVEN - BLK FINISH,MODEL #MSER2090D, CFCI

SPECIAL FEATURES: NONE.
KEY NOTES

AS INDICATED BY: (#) →

- 3 ADA MILLWORK
- 580 ICE, BASIS OF DESIGN: MANITOWOC ICE CUBE MACHINE, IT0500 D-400, 34"D X 30" W X 59.50"H, CFCI
- 581 MICROWAVE, LG 2 CU. FT. NEOCHEF COUNTERTOP MICROWAVE OVEN - BLK FINISH,MODEL #MSER2090D OFCI
- 583 REFRIGERATOR, CFCI. GC TO VERIFY IN FIELD DIMENSIONS. BASIS OF DESIGN: LG 24 CU. FT. TOP FREEZER REFRIGERATOR WITH AIRFLOW SYSTEM, STAINLESS STEEL, MODEL #LHTNS2403S
- 680 MILLWORK
- 808 ELKAY 22" X 22" SINK, REF. PLUMBING

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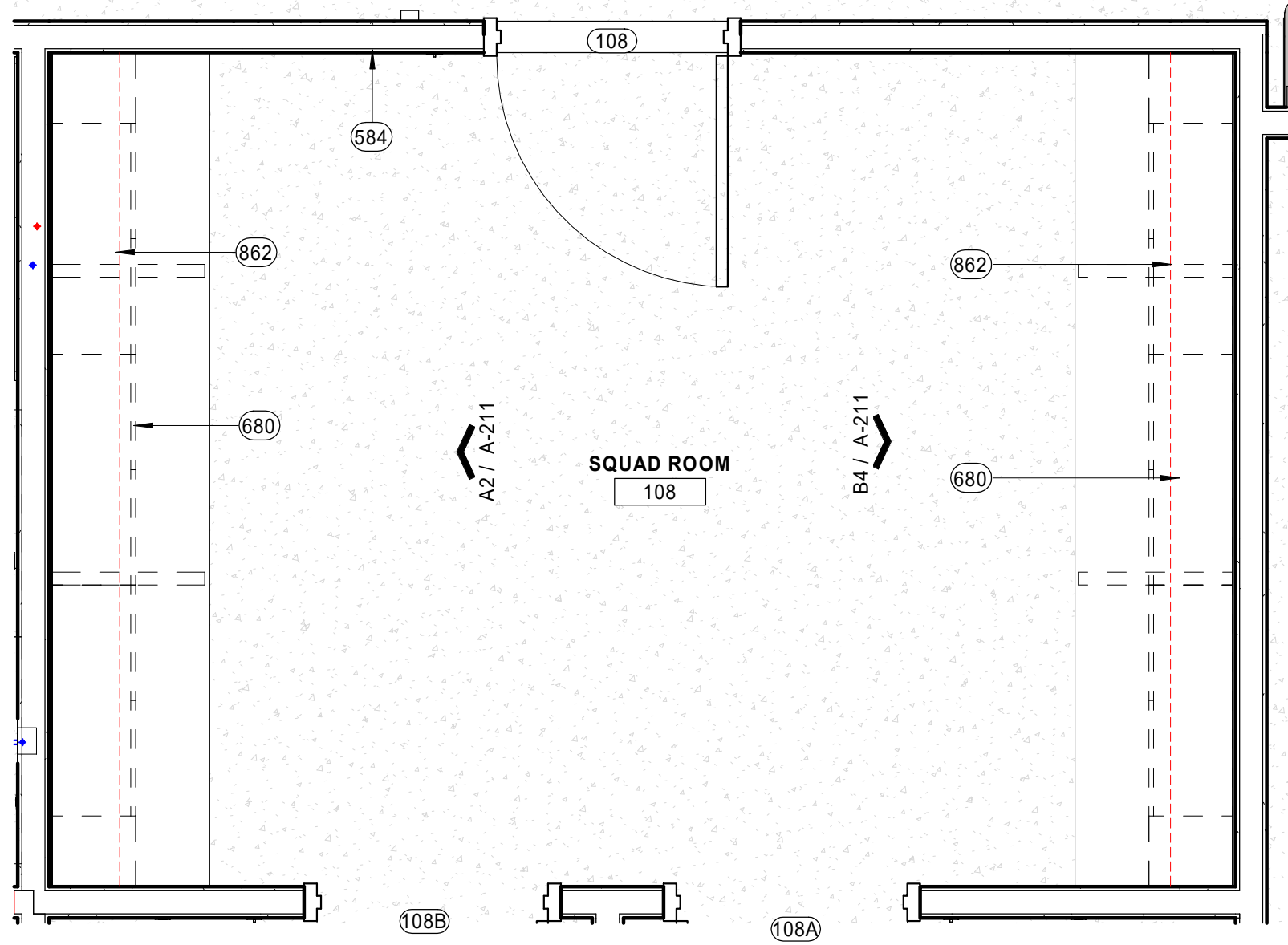
10/10/2025 Construction Documents
DATE DESCRIPTION

Room Data Sheet
- Break Room

A-117

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B2 ROOM DATA SHEET - SQUAD ROOM
1/2" = 1'-0"



**CANINE TRAINING FACILITY - SQUAD ROOM
DESIGN SUMMARY**

ACTIVITIES: SQUAD ROOM

FINISHES: WALL PAINT: REF. INTERIORS
FLOORING: REF. INTERIORS

LIGHTING:
SWITCH WITH OCCUPANCY SENSOR

SPECIAL ELEC:
UNDER CABINET LIGHTING, REF. ELECTRICAL

EQUIPMENT: N/A

SPECIAL FEATURES:
FURNITURE FROM THP - NEW CHAIRS

KEY NOTES

AS INDICATED BY: (#) →

- 584 TV, ADD APPROPRIATE BLOCKING WHERE NECESSARY, MOUNT AT APPROPRIATE HEIGHT, & COORDINATE INSTALLATION WITH OWNER, OFCI
- 680 MILLWORK
- 862 UNDER CABINET LIGHTING, REF ELEC.

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- 10/10/2025 Construction Documents

DATE DESCRIPTION

**Room Data Sheet
- Squad Room**

A-118

CANINE TRAINING FACILITY - KENNEL
DESIGN SUMMARY

ACTIVITIES: KENNEL, INSIDE/OUTSIDE

FINISHES: WALL PAINT: REF. INTERIORS
FLOORING: REF. INTERIORS

LIGHTING: N/A.

SPECIAL ELEC: N/A.

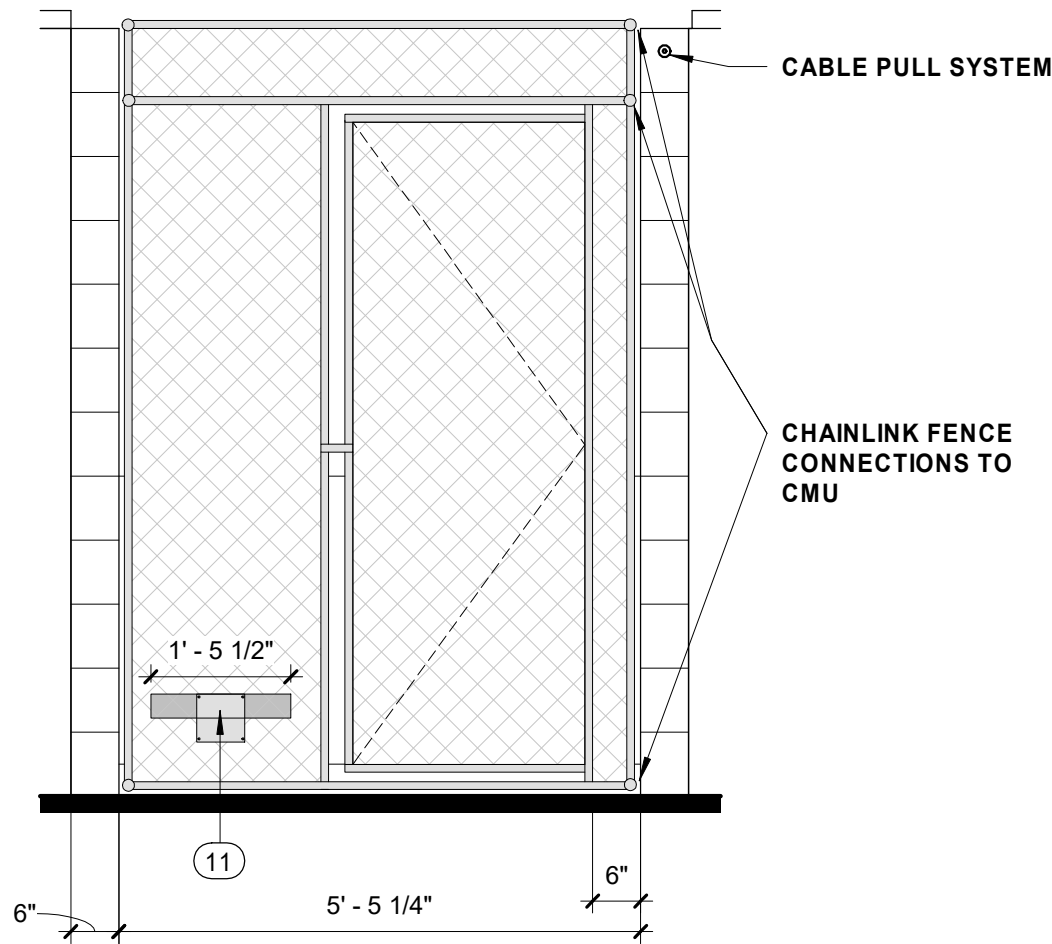
EQUIPMENT: N/A.

SPECIAL FEATURES:
BASIS OF DESIGN: SECURITY BOSS - KENNEL CLAD INSULATED
GUILLOTINE KENNEL DOOR -SIZE:X-LG, INCL. SCREW IN
HOOK-PULLEY SYSTEM,SKU: SB-KC-INS-EX
BASIS OF DESIGN: KENNEL GEAR - CHAINLINK FENCE MOUNT,
PART #: 160.000.000 - CFCI
BASIS OF DESIGN: KENNEL GEAR - 2 QUART DOUBLE
STAINLESS STEEL BOWL WITH ALUMINIUM YOKE SYSTEM,
PART #: 112.012.001 - CFCI

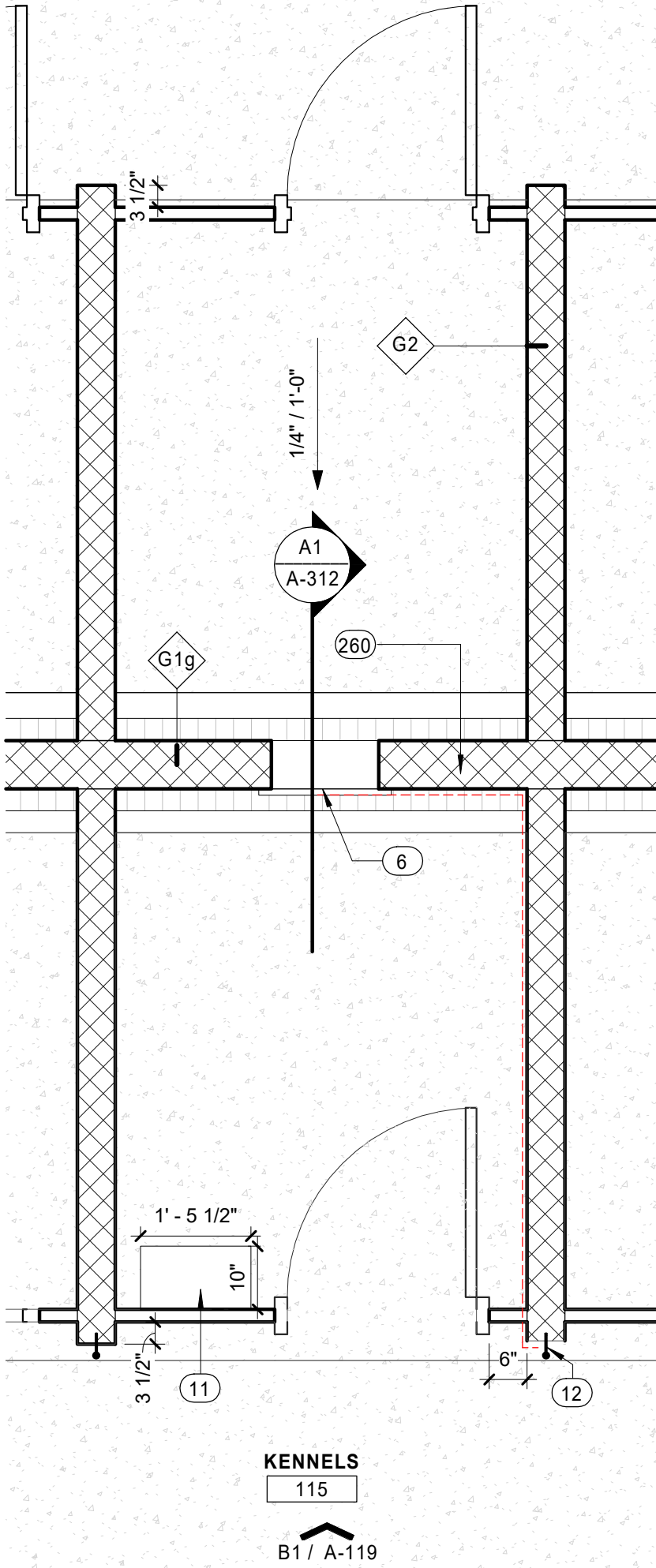
KEY NOTES

AS INDICATED BY: (#) →

- 6 GUILLOTINE KENNEL DOOR, BASIS OF DESIGN: SECURITY BOSS - KENNEL CLAD INSULATED GUILLOTINE KENNEL DOOR, SKU: SB-KC-INS, CFCI
- 11 CANINE FEEDER, BASIS OF DESIGN: KENNEL GEAR - CHAIN LINK FENCE MOUNT, PART# 160.000.000 & KENNEL GEAR - S. STEEL 2 QT. DOUBLE BOWL SYSTEM PART # 112.012.001, CFCI
- 12 PULL CABLE SYSTEM
- 260 CMU TYPE A



B1 DOOR DETAIL
1/2" = 1'-0"



B3 ROOM DATA SHEET - KENNELS - TYPICAL
1/2" = 1'-0"



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DATE DESCRIPTION

Room Data Sheet
- Kennel

A-119



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10/10/2025 Construction Documents
DATE DESCRIPTION

Reflected Ceiling
Plan - Overall
Floor Plan

A-131

GENERAL NOTES

- A. DIMENSIONS ARE TO FACE OF STUD, CMU, OR CENTERLINE OF STRUCTURE UNO.
B. COORDINATE WITH MEP DRAWINGS FOR LOCATIONS OF FIXTURES. LOCATE AS SHOWN ON ARCHITECTURAL PLANS AND DETAILS. NOTIFY ARCHITECT OF CONFLICTS PRIOR TO CONSTRUCTION.
C. FINAL SPRINKLER HEAD LOCATIONS SHALL BE SET BY FIRE PROTECTION ENGINEER AND APPROVED BY ARCHITECT.
D. CENTER DEVICES, SPRINKLER HEADS, ETC. IN CEILING TILES UNO.
E. CEILING HEIGHTS SHALL BE 9' - 0" ABOVE FINISHED FLOOR UNO.
F. REFER TO INTERIOR ELEVATIONS AND ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION CONCERNING HEIGHTS, CEILING MATERIALS AND FURRED CEILINGS.
G. AT LOCATIONS OF PERFORATED RETURN AIR GRILLES, WIRING, CABLING, ETC. TO BE HELD CLEAR OF OPEN LINE OF SIGHT THROUGH GRILLE. IN CASES WHERE THIS IS UNAVOIDABLE, ITEMS VISIBLE ABOVE GRILLE ARE TO BE PAINTED FLAT BLACK.

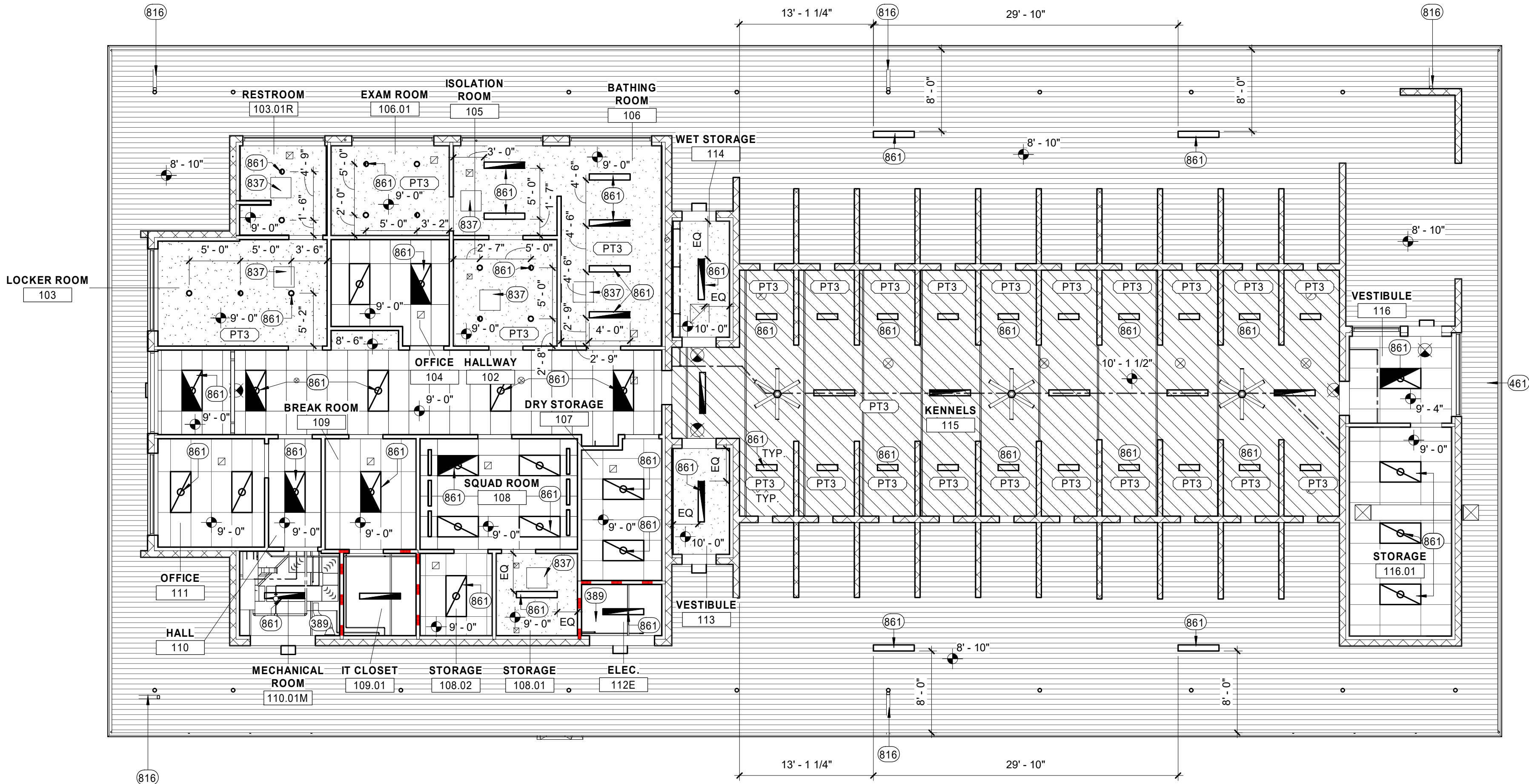
KEY NOTES

AS INDICATED BY: (#) →

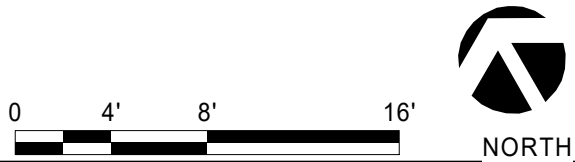
- 389 EXPOSED TO STRUCTURE
461 ROOF ABOVE
816 DOWNSPOUT, REF. PLUMBING
837 24" X 24" ACCESS PANEL, REF MECH
861 LIGHT FIXTURE, REF ELECT

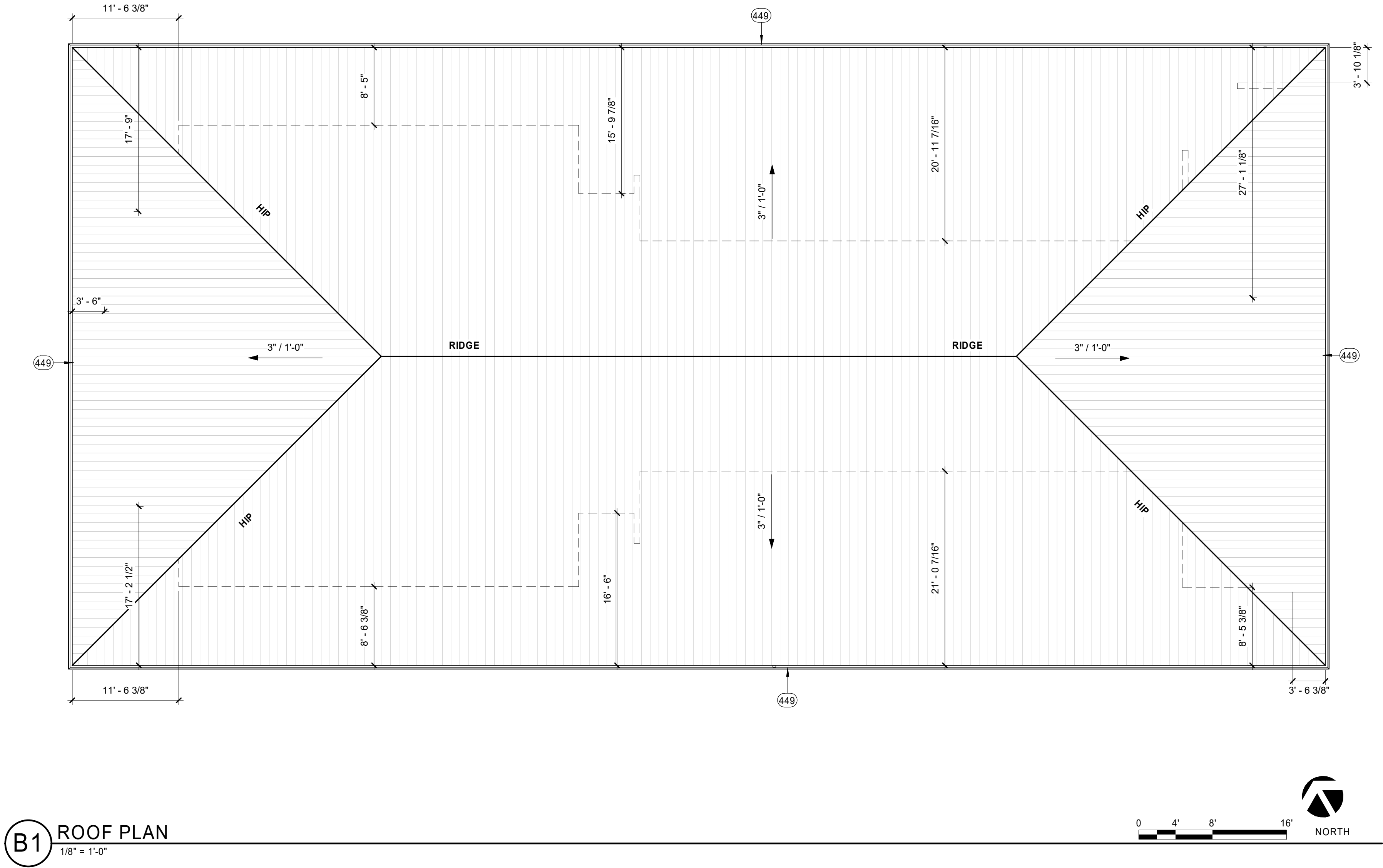
LEGEND

- Gypsum Board
Lay-in Ceiling



B1 FIRST FLOOR - REFLECTED CEILING PLAN
1/8" = 1'-0"





GENERAL NOTES

- A. COORDINATE LOCATION OF ROOFTOP EQUIPMENT WITH STRUCTURAL.
- B. ALL ROOF PENETRATIONS NOT SHOWN FOR CLARITY. ROOF PENETRATIONS SHALL BE FLASHED TO A POSITIVE SLOPE AWAY FROM PENETRATION. COORDINATE WITH TRADES.
- C. COORDINATE RTU INSTALLATIONS WITH TRADES. COORDINATE HOOKUP OF ROOFTOP EQUIP, VENTS, CURBS, ETC WITH MECHANICAL, ELECTRICAL AND PLUMBING TRADES AND CONSTRUCTION DOCUMENT REQUIREMENTS.

KEY NOTES

AS INDICATED BY: (#) →
449 MTL GUTTER

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Williamson County Canine
Training Facility
Texas Highway Patrol Canine Training and
Housing Facility



CLIENT

Department of Public Safety

810 County Road 240 Florence, TX
76527

PROJECT NO.

42058.23

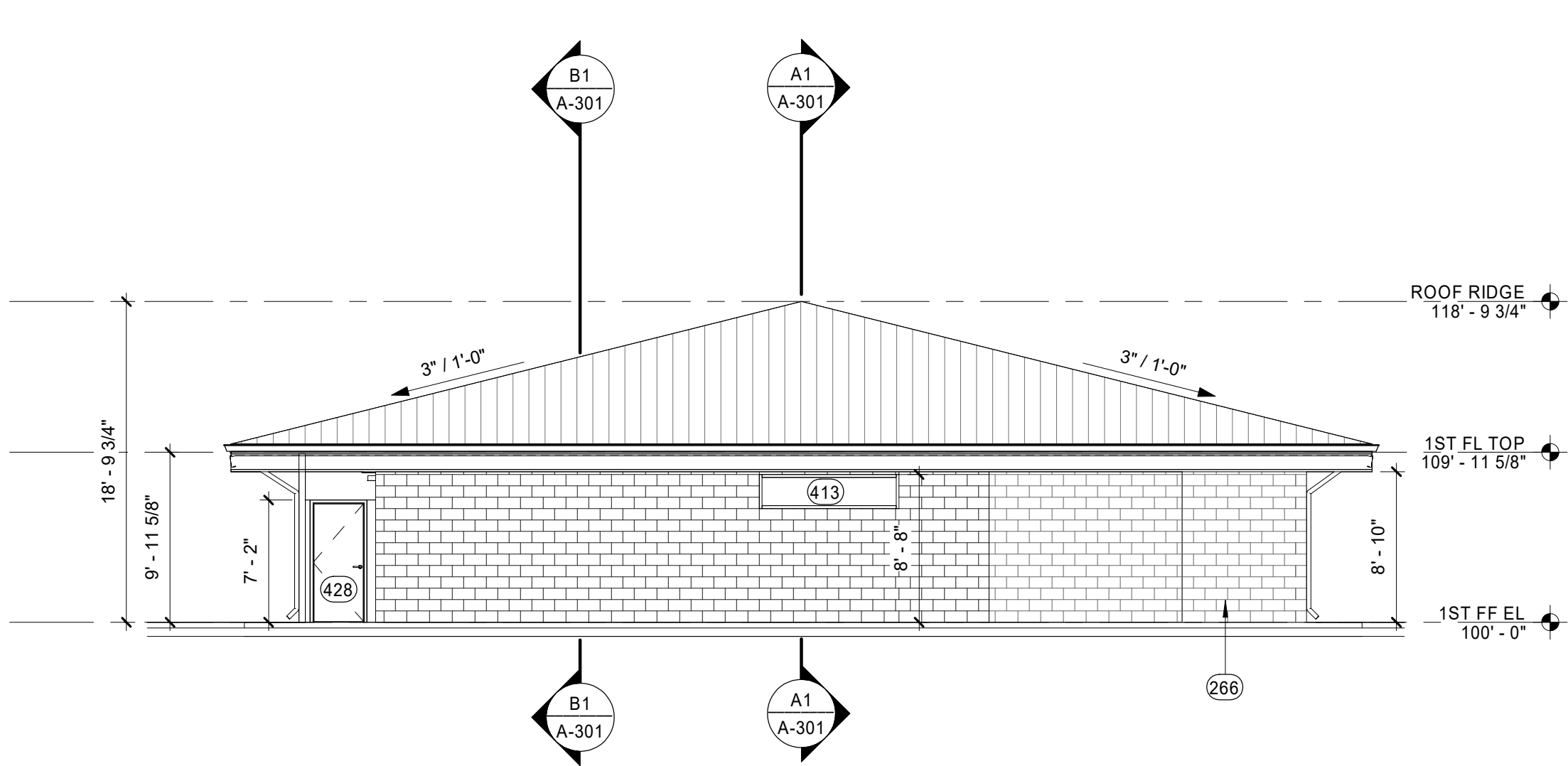
- 10/10/2025 Construction Documents

DATE DESCRIPTION

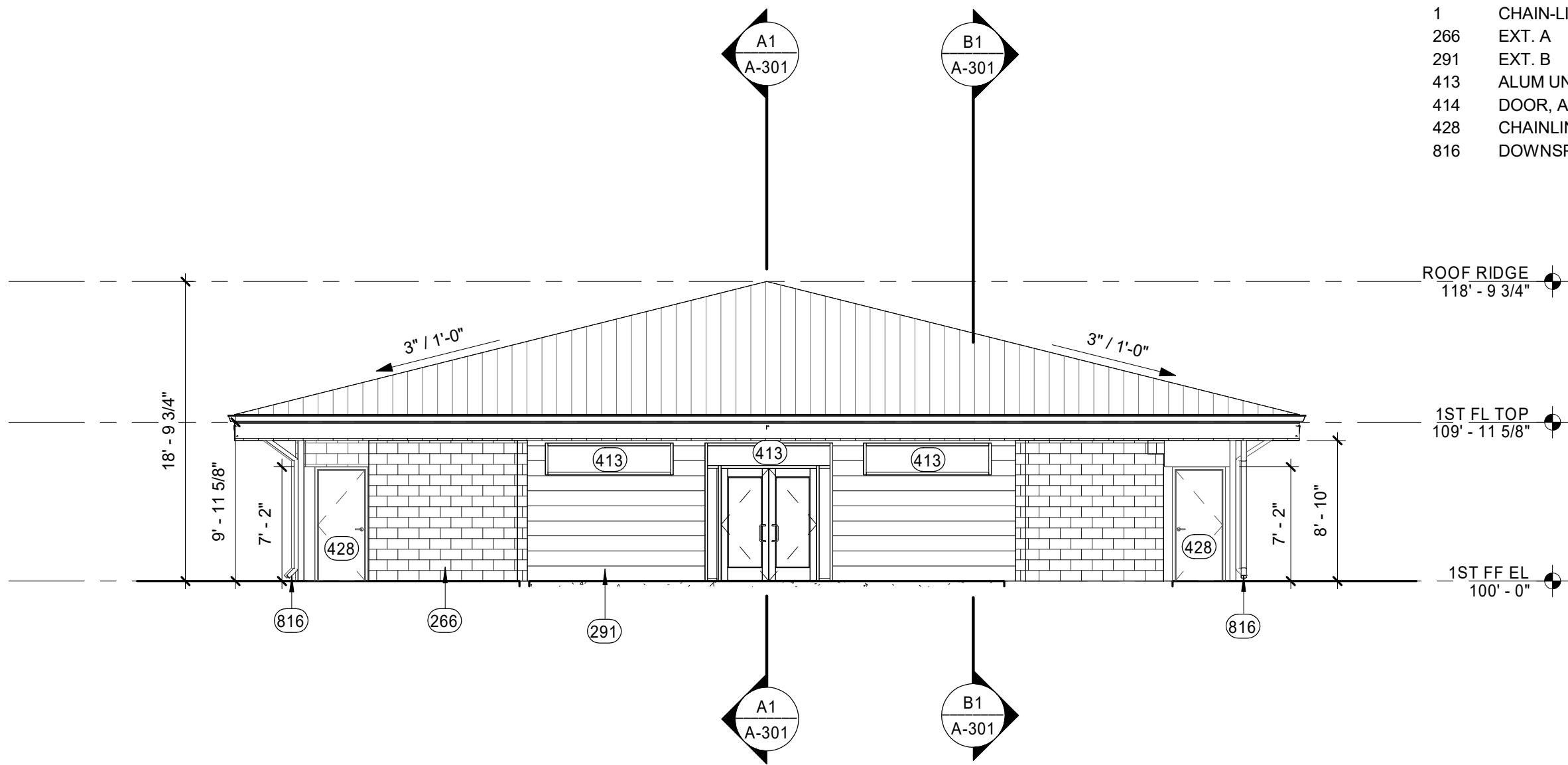
Roof Plan

A-141

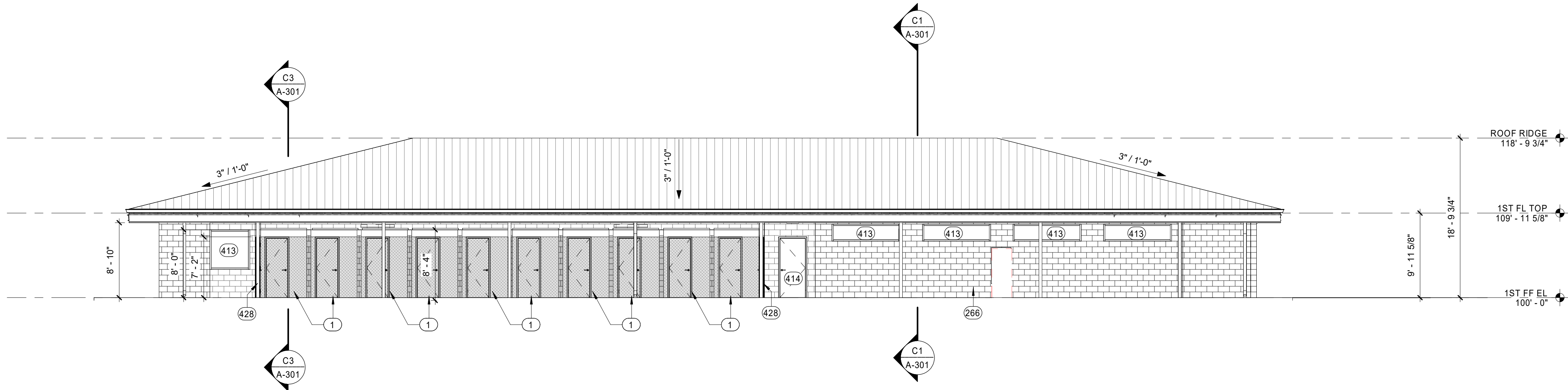
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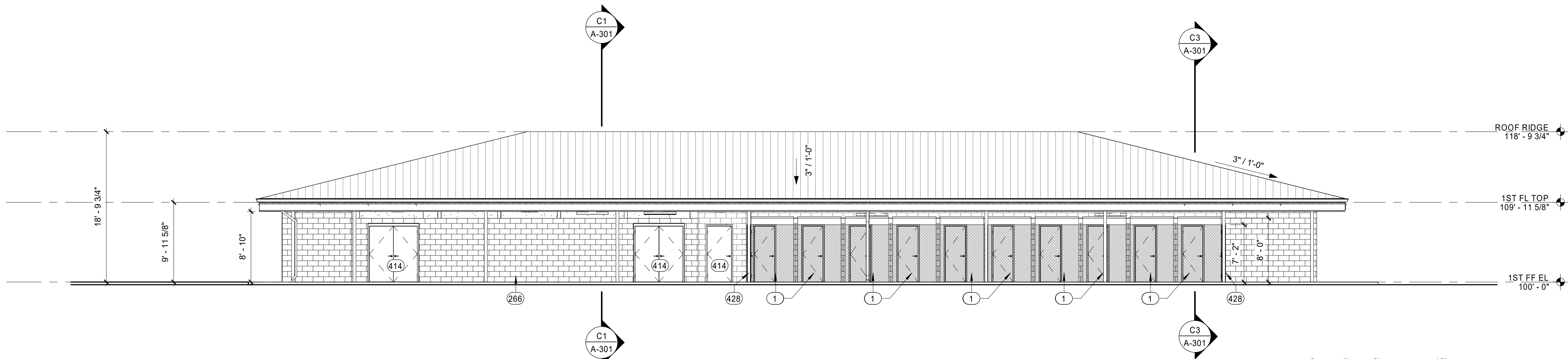
C1 EAST ELEVATION
1/8" = 1'-0"



C3 WEST ELEVATION
1/8" = 1'-0"



B1 NORTH ELEVATION
1/8" = 1'-0"



A1 SOUTH ELEVATION
1/8" = 1'-0"

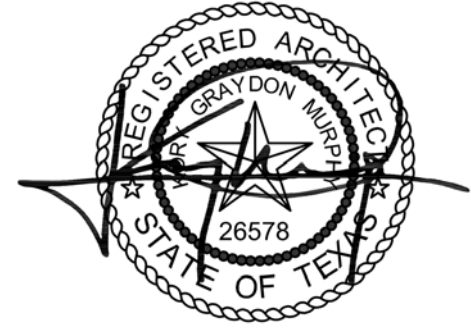
KEY NOTES

AS INDICATED BY: (#) →

- 1 CHAIN-LINK FENCE
- 266 EXT. A
- 291 EXT. B
- 413 ALUM UNIT WINDOW, AS SCHED
- 414 DOOR, AS SCHED
- 428 CHAINLINK FENCE DOOR 36"
- 816 DOWNSPOUT, REF. PLUMBING

0 4' 8' 16'

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DATE DESCRIPTION

Exterior
Elevations

A-201

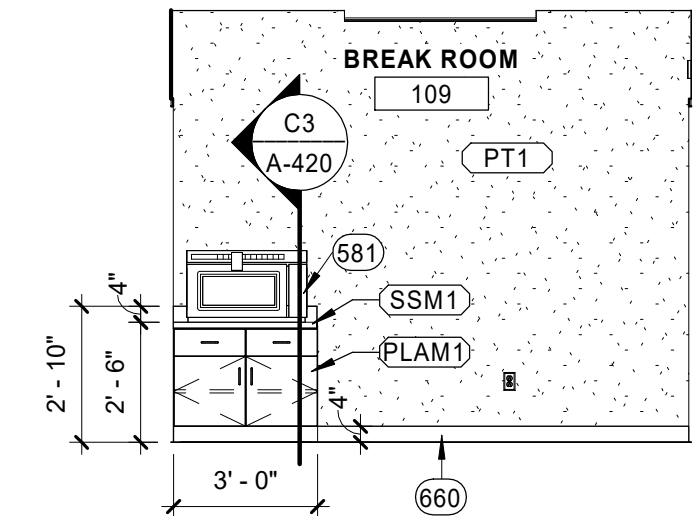
R:\24
10/13/2025 12:00:24 PM

GENERAL NOTES

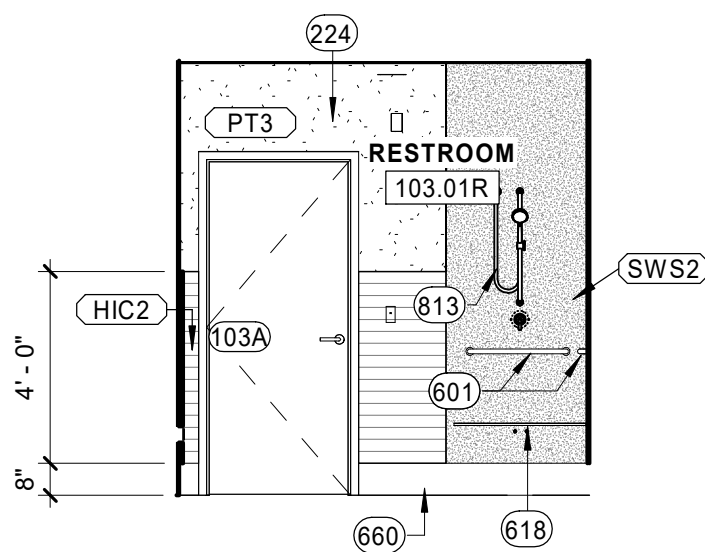
- A. INTERIOR ELEVATION NOTES AS NEEDED.
B. REFER TO I-SHEETS I-001, I-111, I-121 FOR FINISH LEGENDS AND PLANS

KEY NOTES

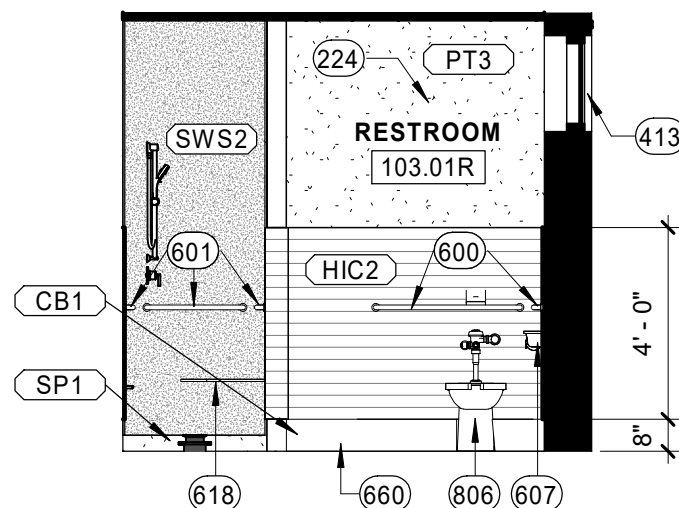
- AS INDICATED BY: (#) —>
- 8 CABINET FILLER PANEL W/ TOP & BOTTOM CLOSURE
 - 9 CABINET FILLER PANEL
 - 10 UNDER CABINET LIGHTING, REF. ELECTRICAL
 - 13 COUNTER SUPPORT BRACKET
 - 224 MOISTURE RESISTANT GYP BOARD
 - 413 ALUM UNIT WINDOW, AS SCHED
 - 576 WASHER, CFCI, BASIS OF DESIGN: LG COMMERCIAL, LARGE CAPACITY FRONTLOAD WASHER, #TCWM2013CD3
 - 577 DRYER, CFCI, BASIS OF DESIGN: LG COMMERCIAL STANDARD CAPACITY DRYER, #GDL1329CES7
 - 579 REFRIGERATOR, CFCI, GC TO VERIFY IN FIELD DIMENSIONS. BASIS OF DESIGN: KOOLMORE 25IN. COMMERCIAL STAINLESS STEEL REACH-IN REFRIGERATOR, 12 CU. FT, RIR-1D-SS12C
 - 580 ICE, BASIS OF DESIGN: MANITOWOC ICE CUBE MACHINE, IT0500 D-400, 34"D X 30" W X 59.50"H, CFCI
 - 581 MICROWAVE, LG 2 CU. FT. NEOCHEF COUNTERTOP MICROWAVE OVEN - BLK FINISH, MODEL #MSER2090D OFCI
 - 600 GRAB BAR (GB)
 - 601 SHOWER GRAB BAR (SGB)
 - 603 PAPER TOWEL DISPENSER (PTD)
 - 607 TLT TISSUE DISPENSER (TTD-1)
 - 608 SOAP DISPENSER (SD)
 - 618 SHOWER SEAT (SS)
 - 625 MIRROR, 24 X 48
 - 630 METAL LOCKER 48" W X 24" D, CFCI
 - 660 BASE SWEEP, AS SCHED
 - 805 ELKAY 20" X 22" SINK, REF. PLUMBING
 - 806 TOILET, REF. PLUMBING
 - 812 ADA SINK, REF. PLUMBING
 - 813 SHOWERHEAD, REF. PLUMBING



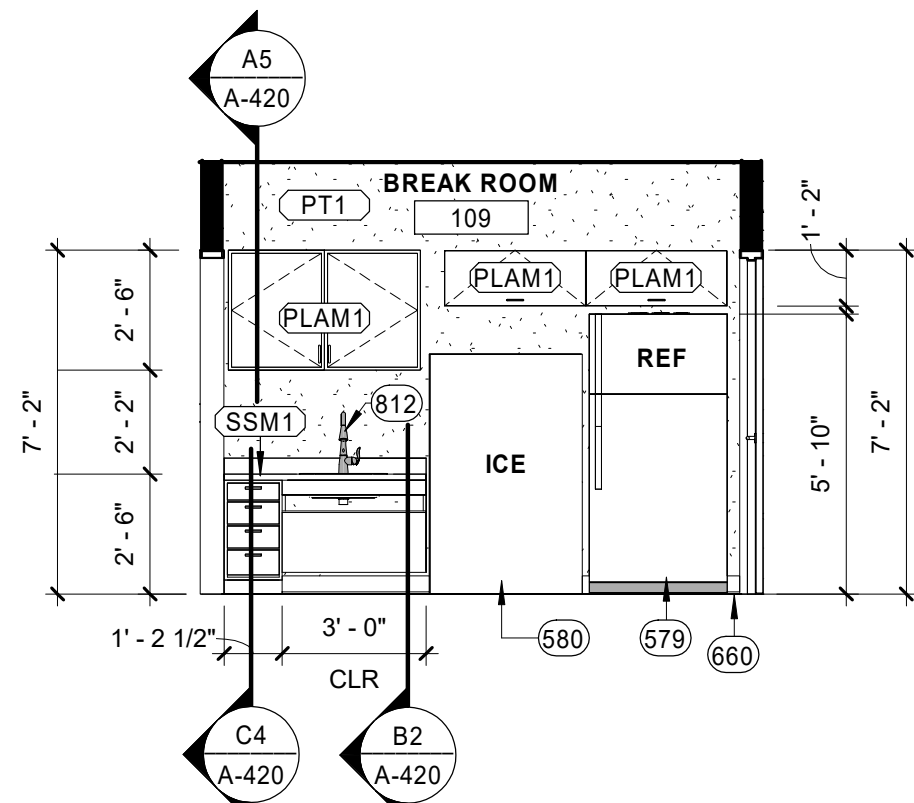
C1 INTERIOR ELEVATION
1/4" = 1'-0"



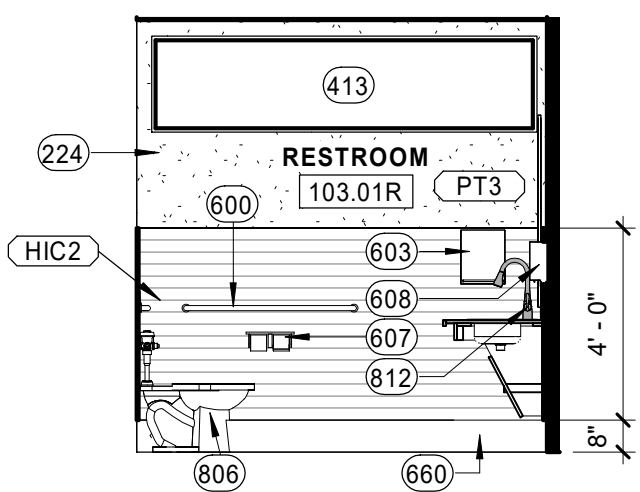
C2 INTERIOR ELEVATION
1/4" = 1'-0"



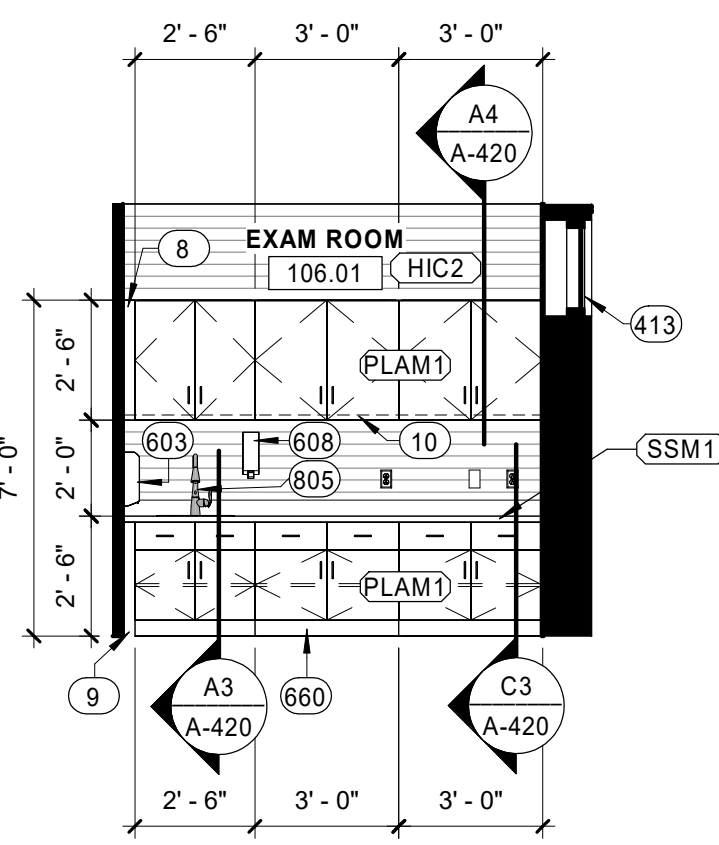
C3 INTERIOR ELEVATION
1/4" = 1'-0"



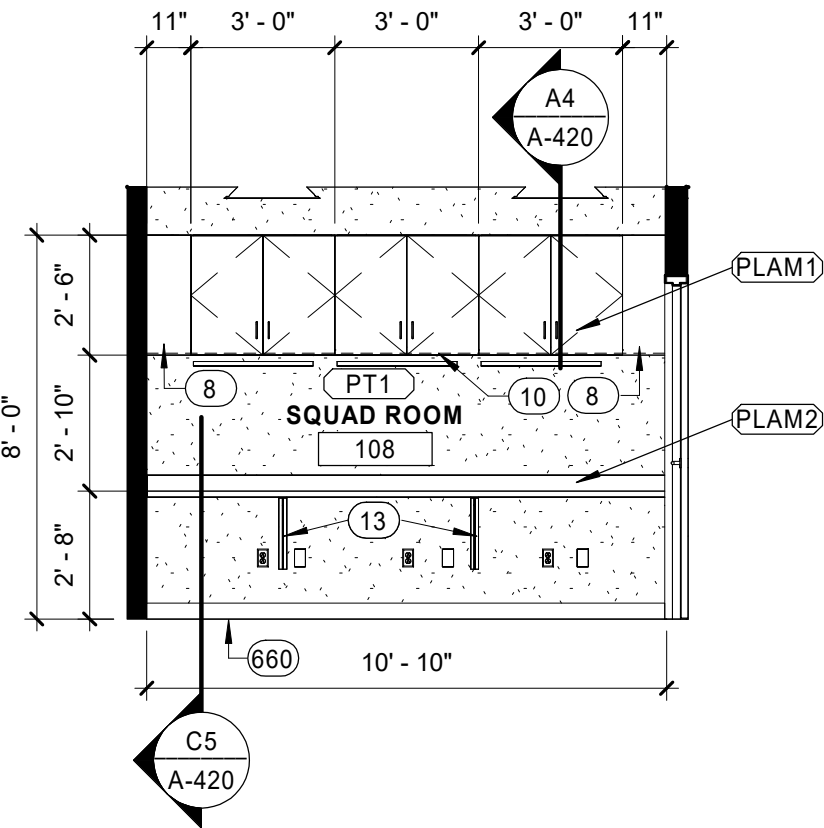
B1 INTERIOR ELEVATION
1/4" = 1'-0"



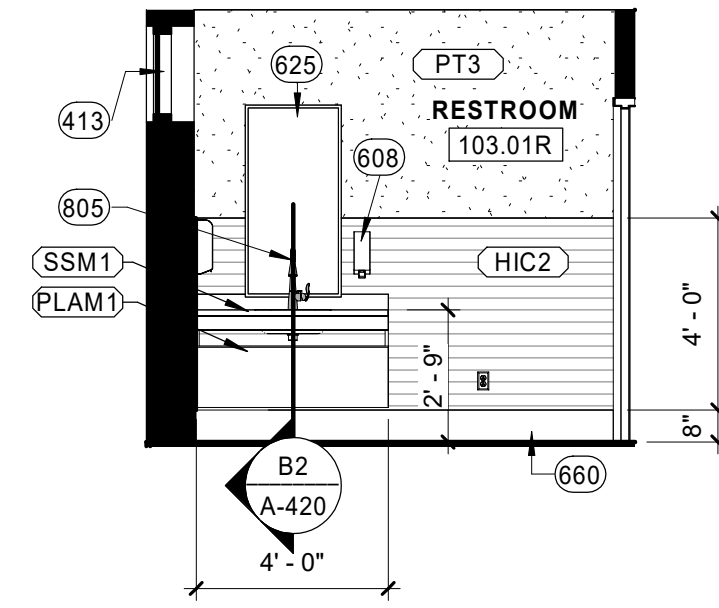
B2 INTERIOR ELEVATION
1/4" = 1'-0"



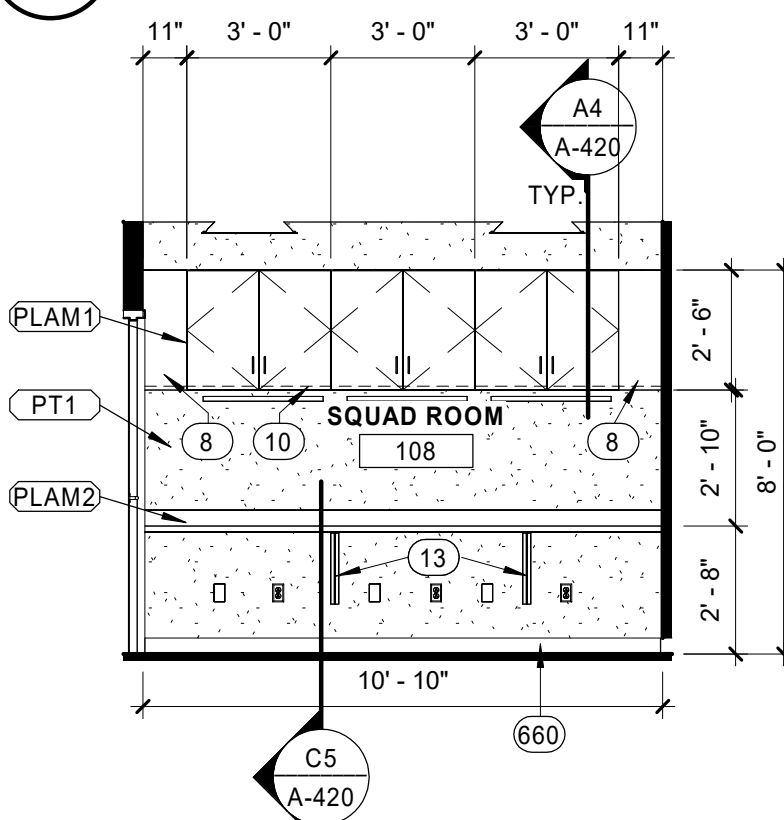
B3 INTERIOR ELEVATION
1/4" = 1'-0"



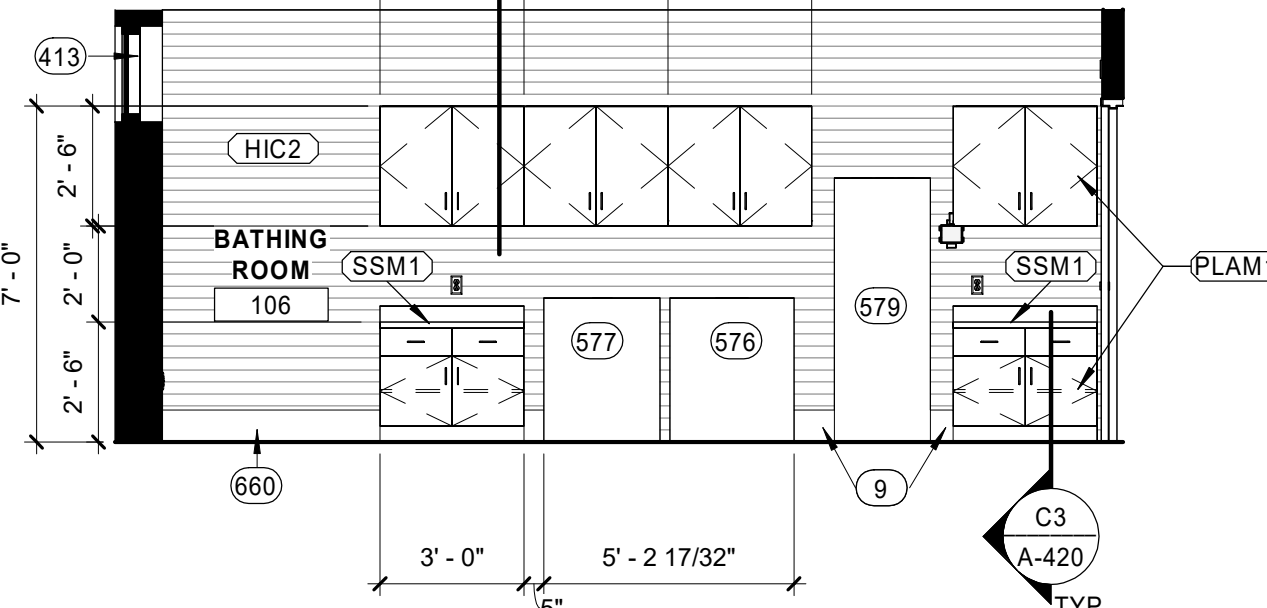
B4 INTERIOR ELEVATION
1/4" = 1'-0"



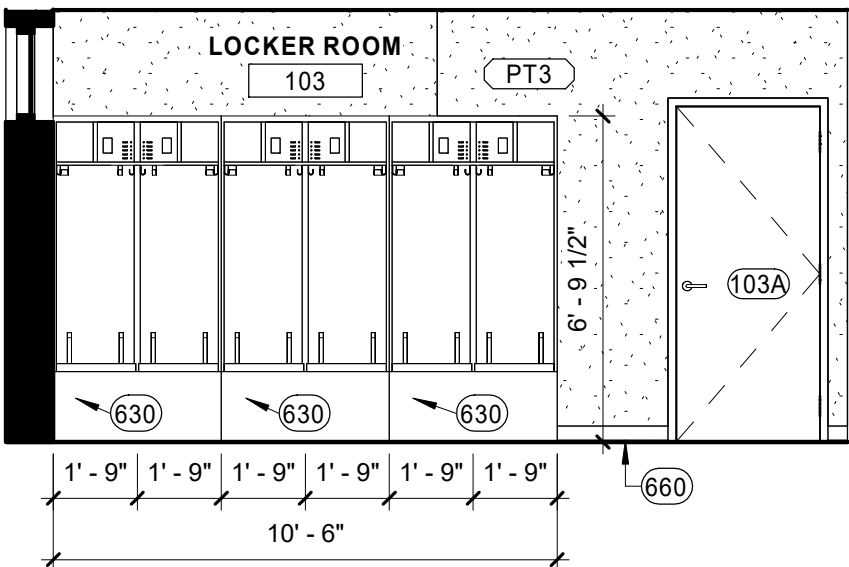
A1 INTERIOR ELEVATION
1/4" = 1'-0"



A2 INTERIOR ELEVATION
1/4" = 1'-0"



A3 INTERIOR ELEVATION
1/4" = 1'-0"



A4 INTERIOR ELEVATION
1/4" = 1'-0"

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PROJECT NO.

42058.23

10/10/2025 Construction Documents

DATE DESCRIPTION

Interior
Elevations

A-211



Williamson County Canine Training Facility
Texas Highway Patrol Canine Training and Housing Facility



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810 County Road 240 Florence, TX 76527

PROJECT NO.

42058.23

10/10/2025 Construction Documents

DATE DESCRIPTION

Building Sections
A-301

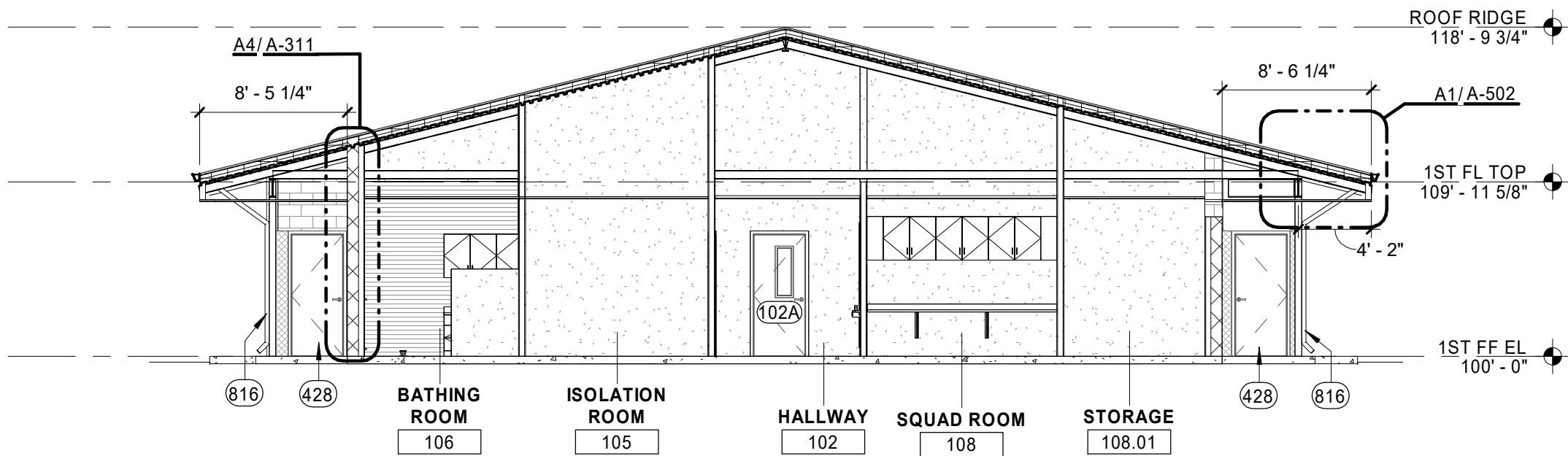
GENERAL NOTES

- A. VERIFY DIMENSIONS.
B. BUILDING SECTION NOTES AS NEEDED.

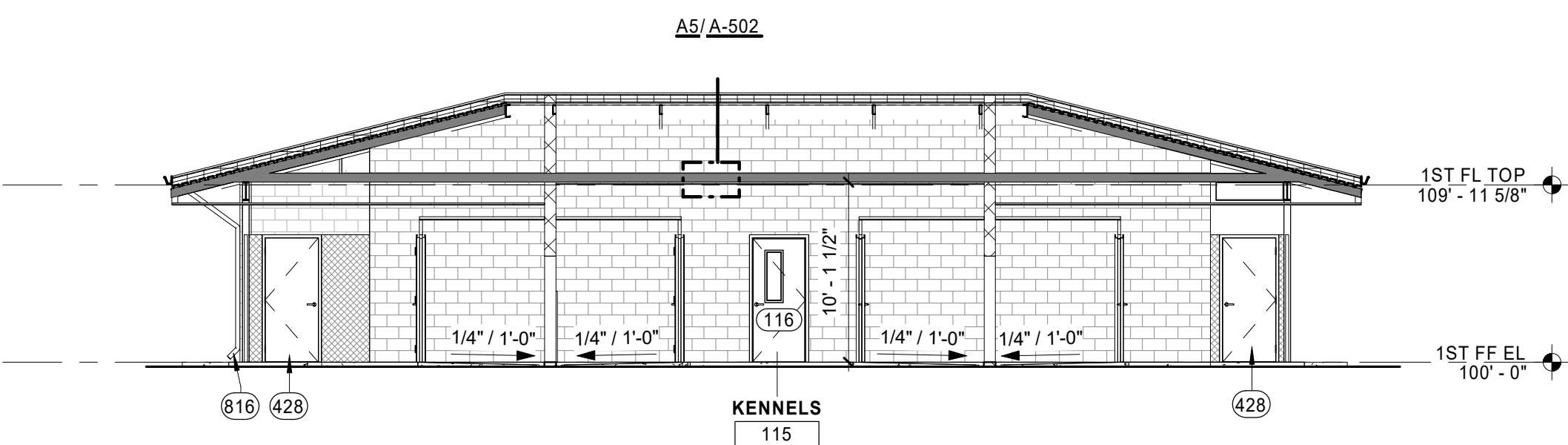
KEY NOTES

AS INDICATED BY: (#) →

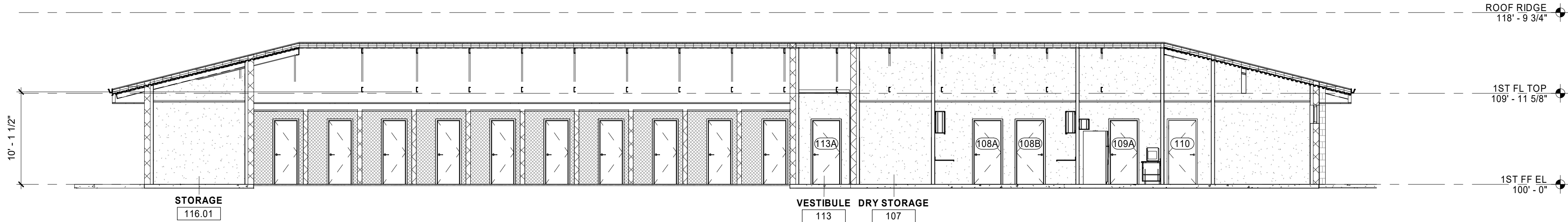
- 413 ALUM UNIT WINDOW, AS SCHED
428 CHAINLINK FENCE DOOR 36"
816 DOWNSPOUT, REF. PLUMBING



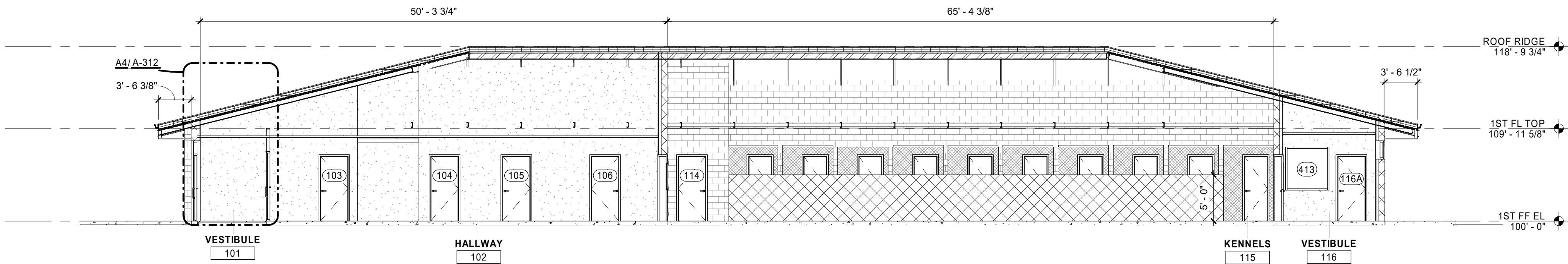
C1 BUILDING SECTION
1/8" = 1'-0"



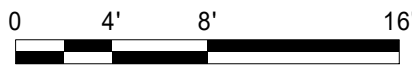
C3 BUILDING SECTION
1/8" = 1'-0"



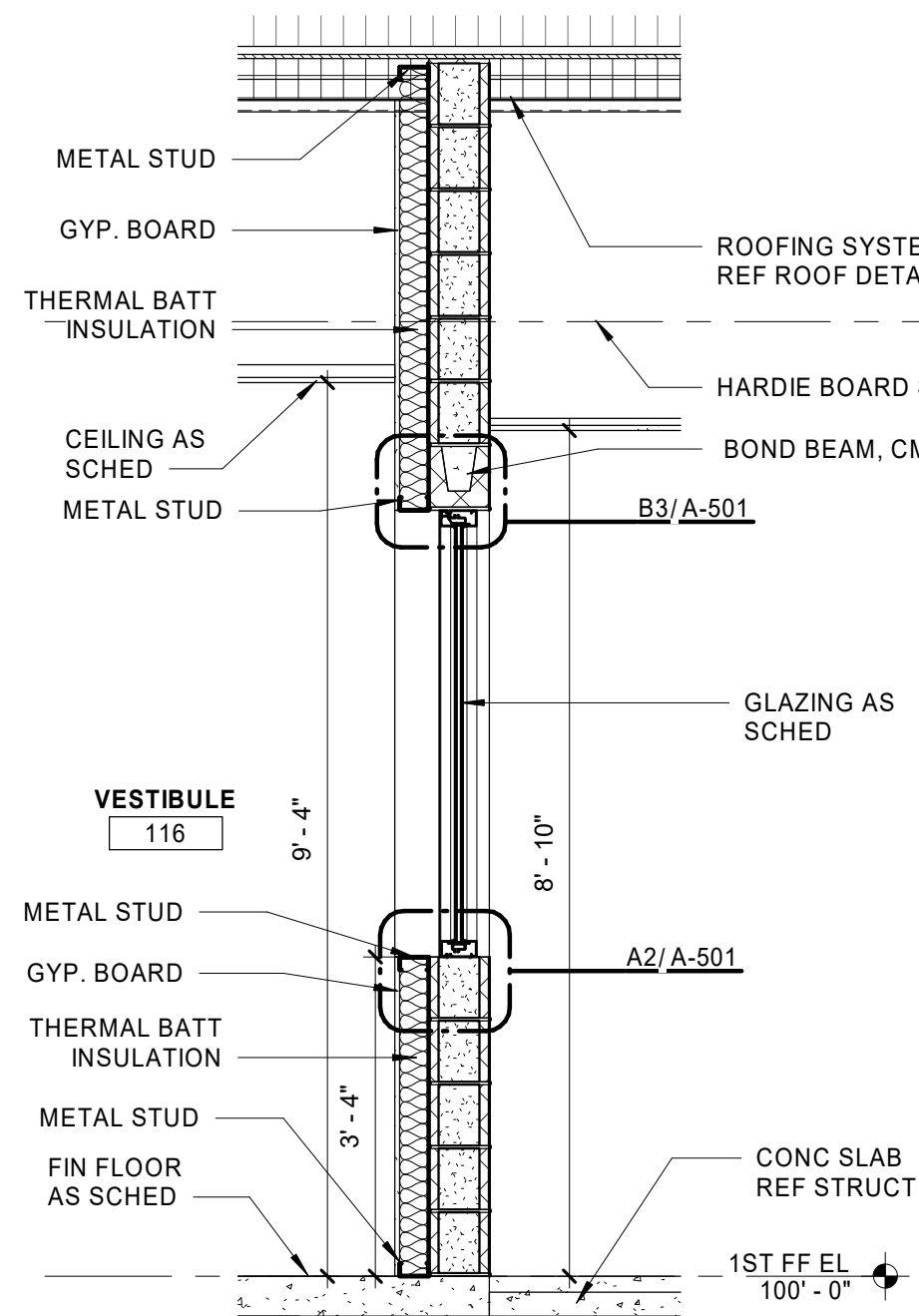
B1 BUILDING SECTION
1/8" = 1'-0"



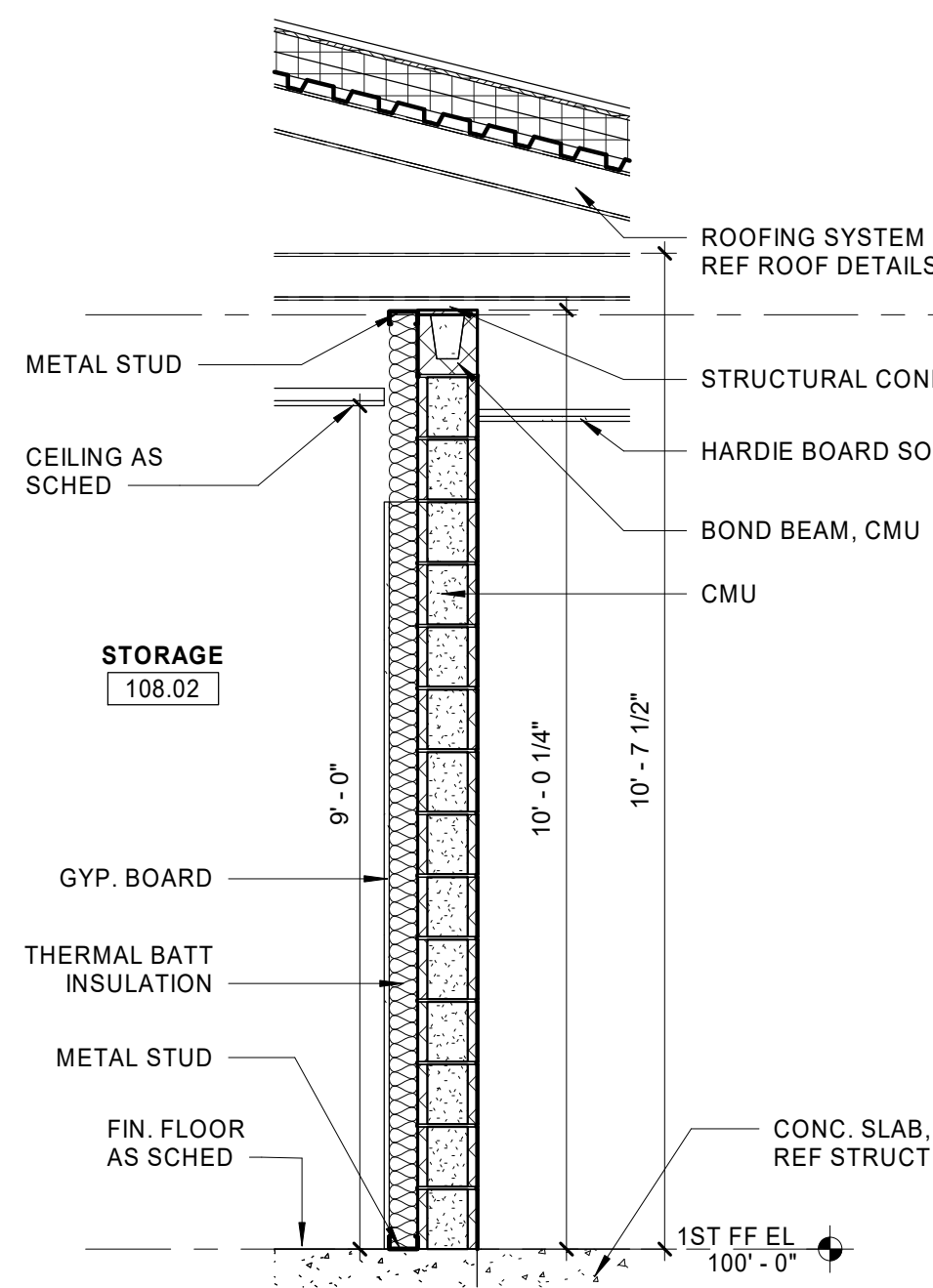
A1 BUILDING SECTION
1/8" = 1'-0"



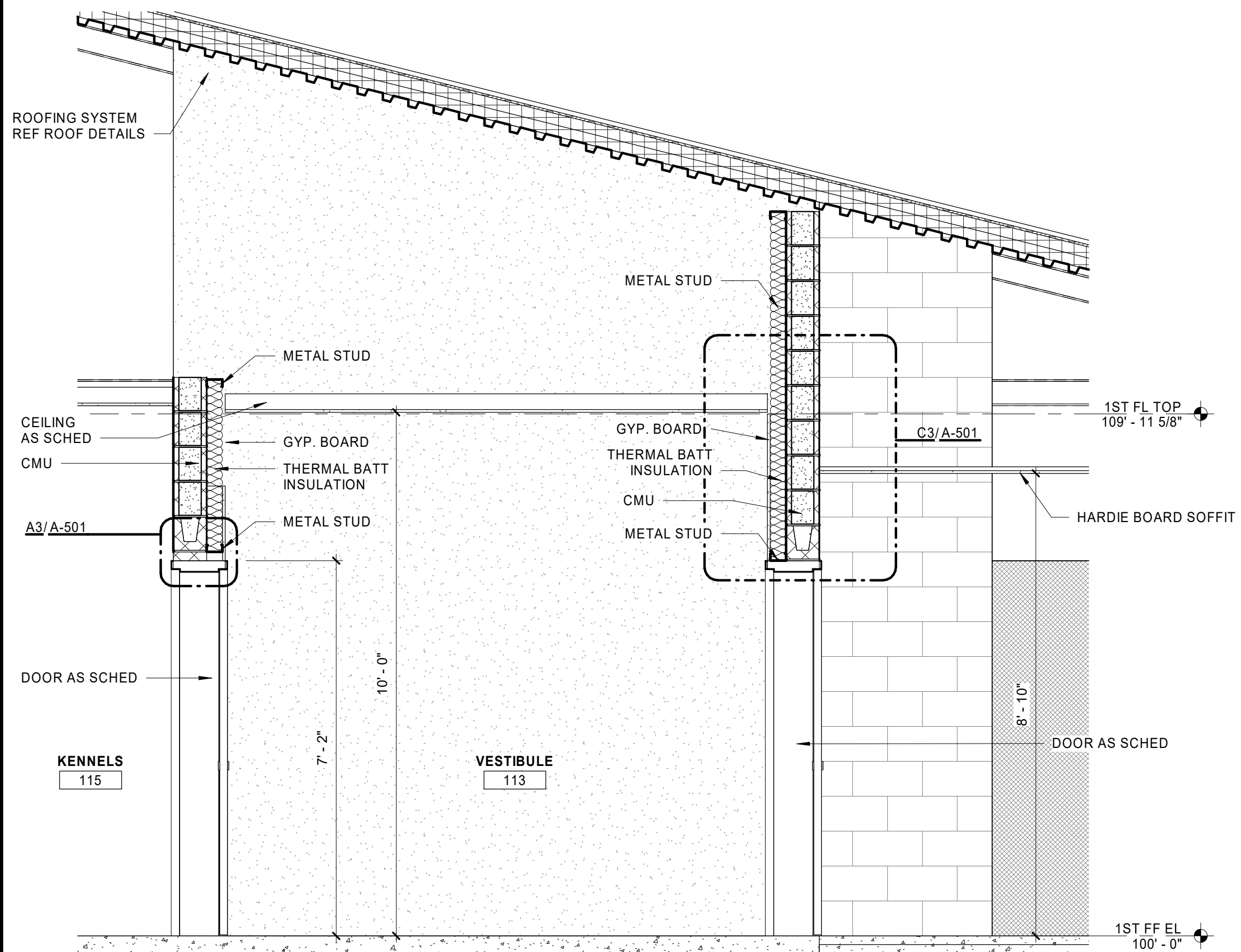
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10/13/2025 12:00:31 PM



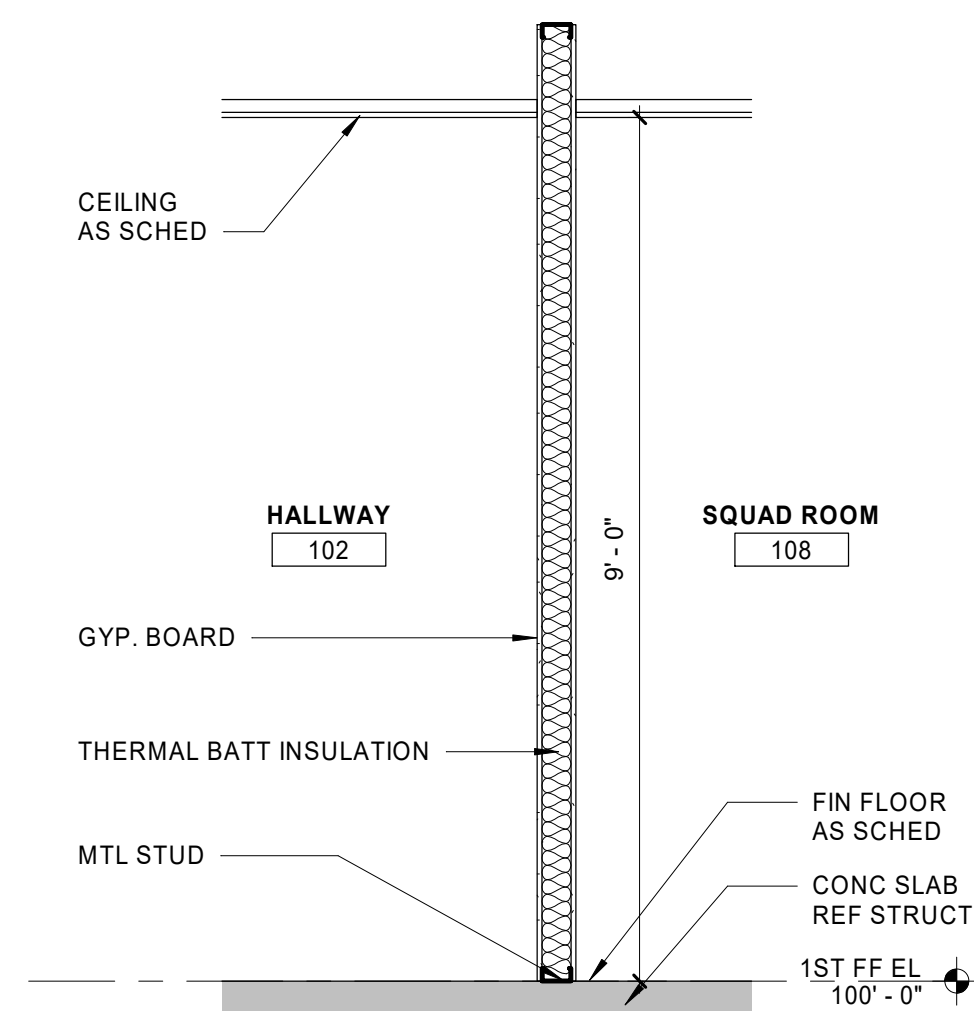
C1 WALL SECTION
1/2" = 1'-0"



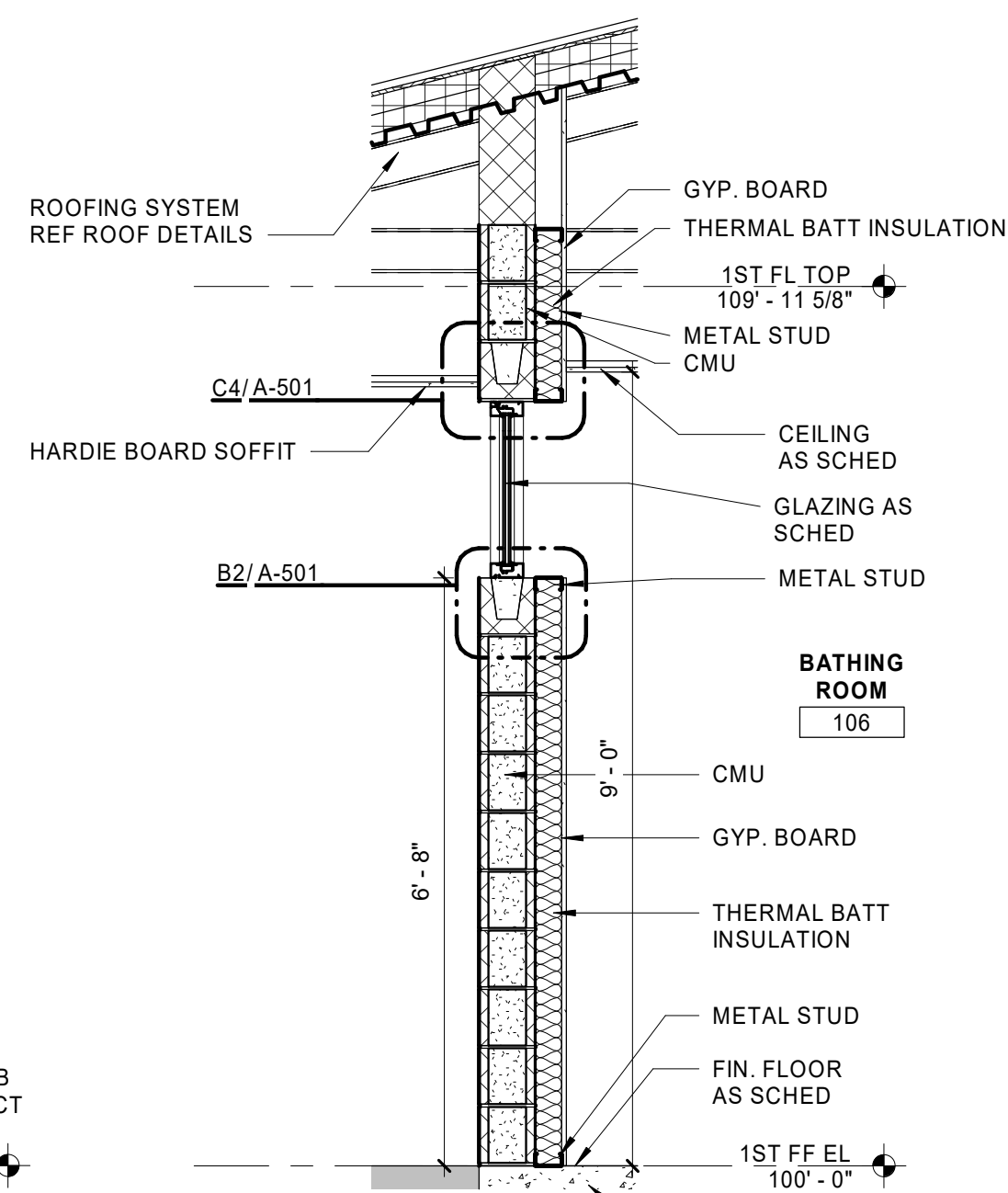
C2 WALL SECTION
1/2" = 1'-0"



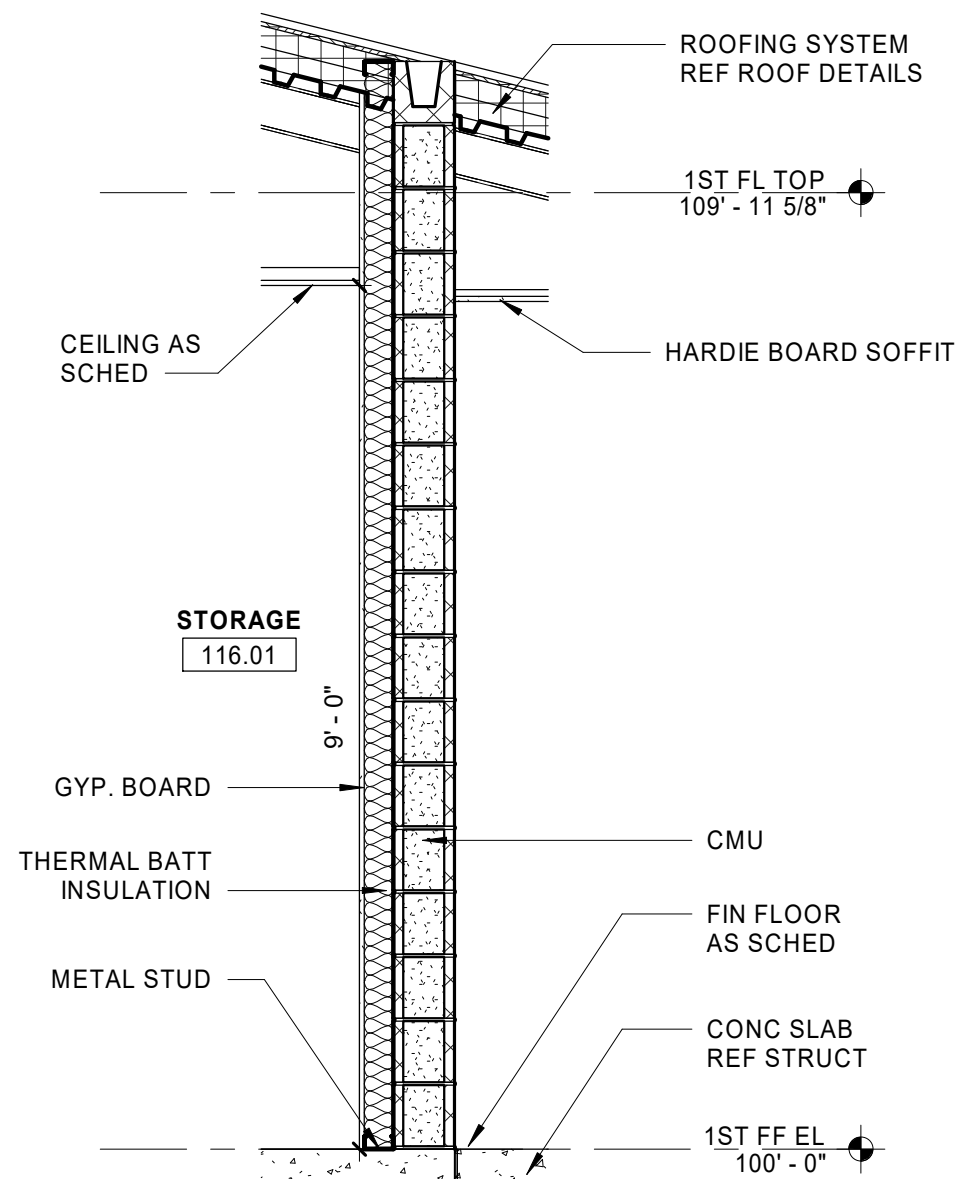
A1 WALL SECTION
1/2" = 1'-0"



A3 WALL SECTION
1/2" = 1'-0"



A4 WALL SECTION
1/2" = 1'-0"



A5 WALL SECTION
1/2" = 1'-0"

GENERAL NOTES

A. WALL SECTION NOTES AS NEEDED.

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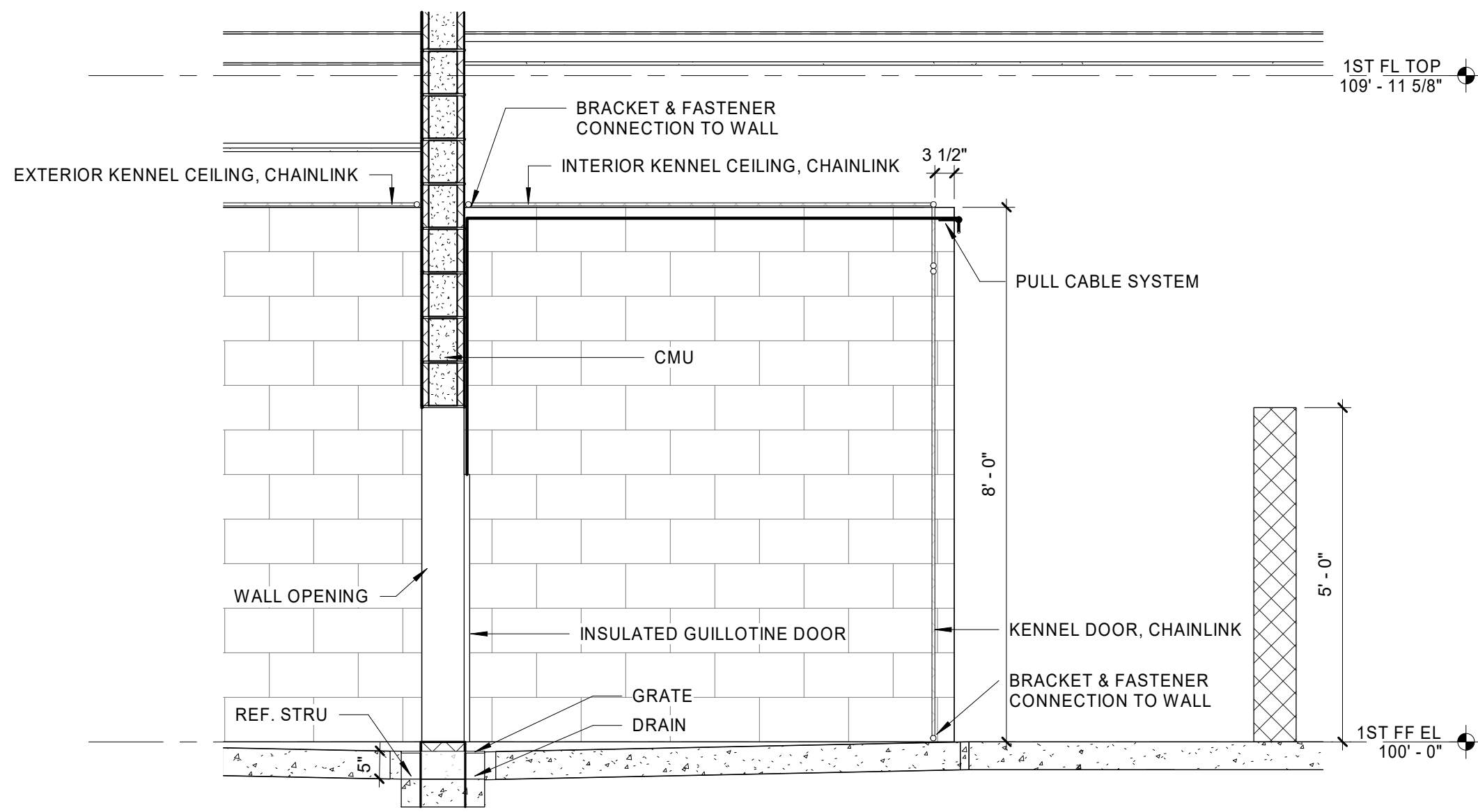
PROJECT NO.
42058.23

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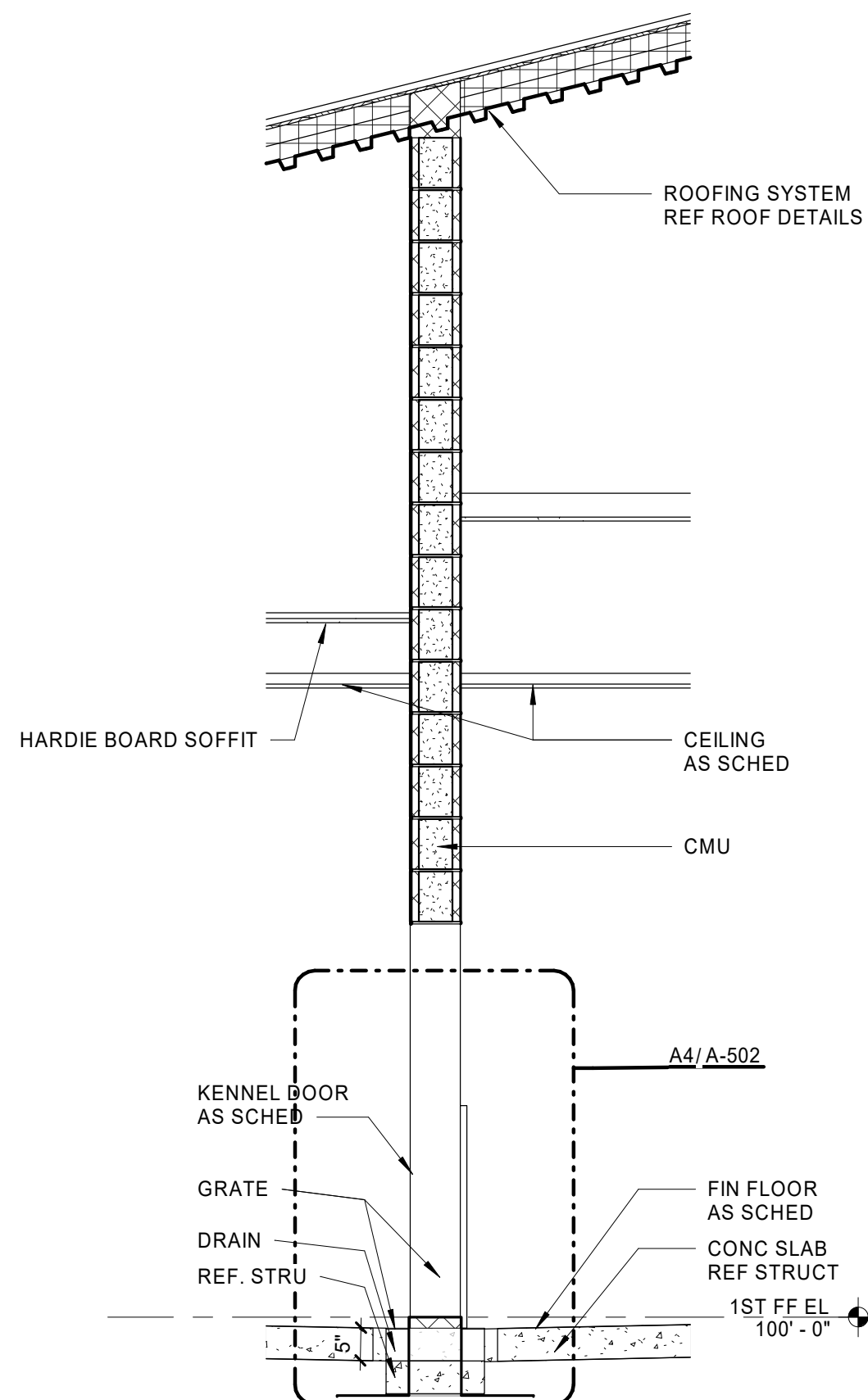
DATE DESCRIPTION

Wall Sections
A-311

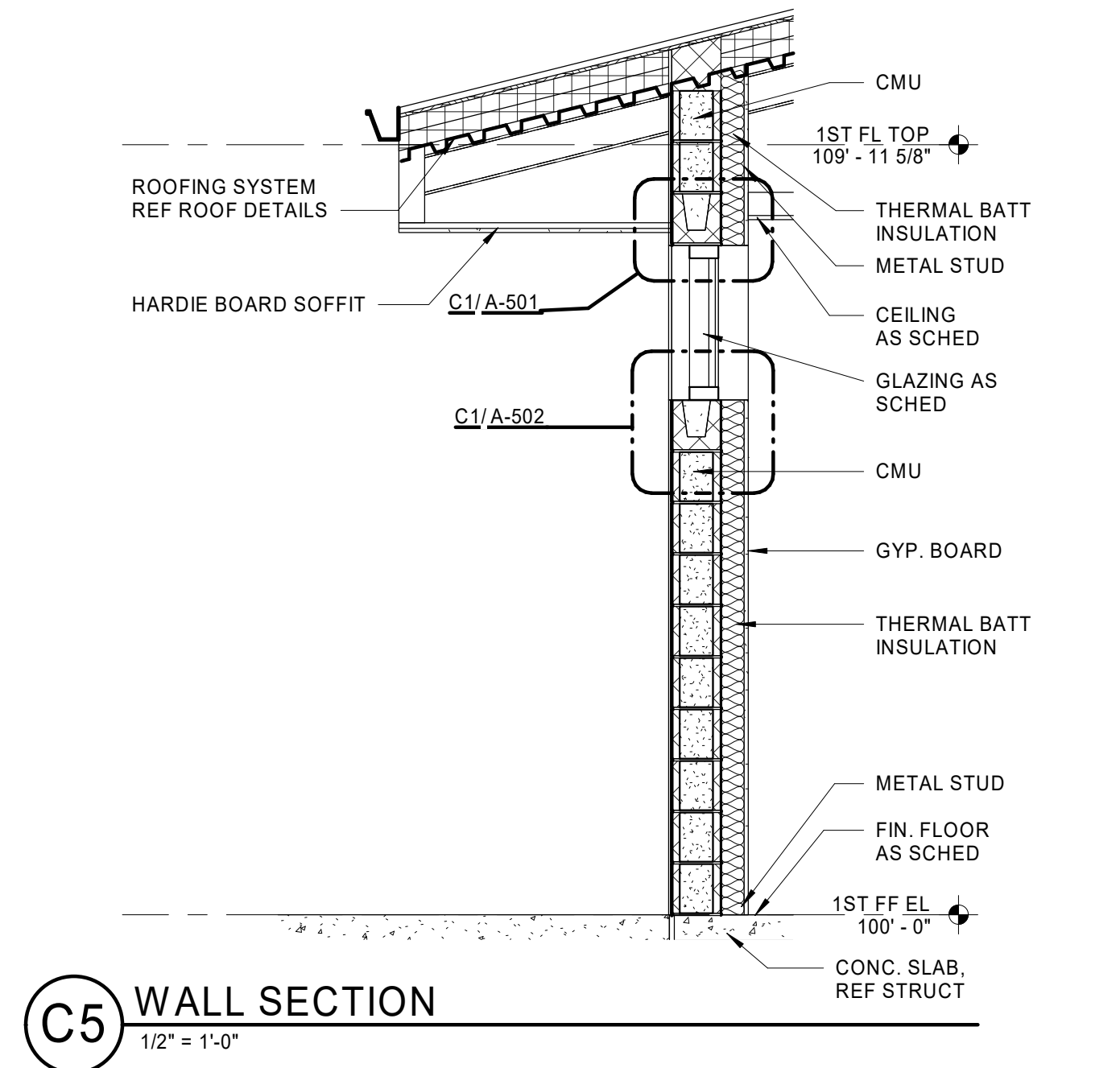
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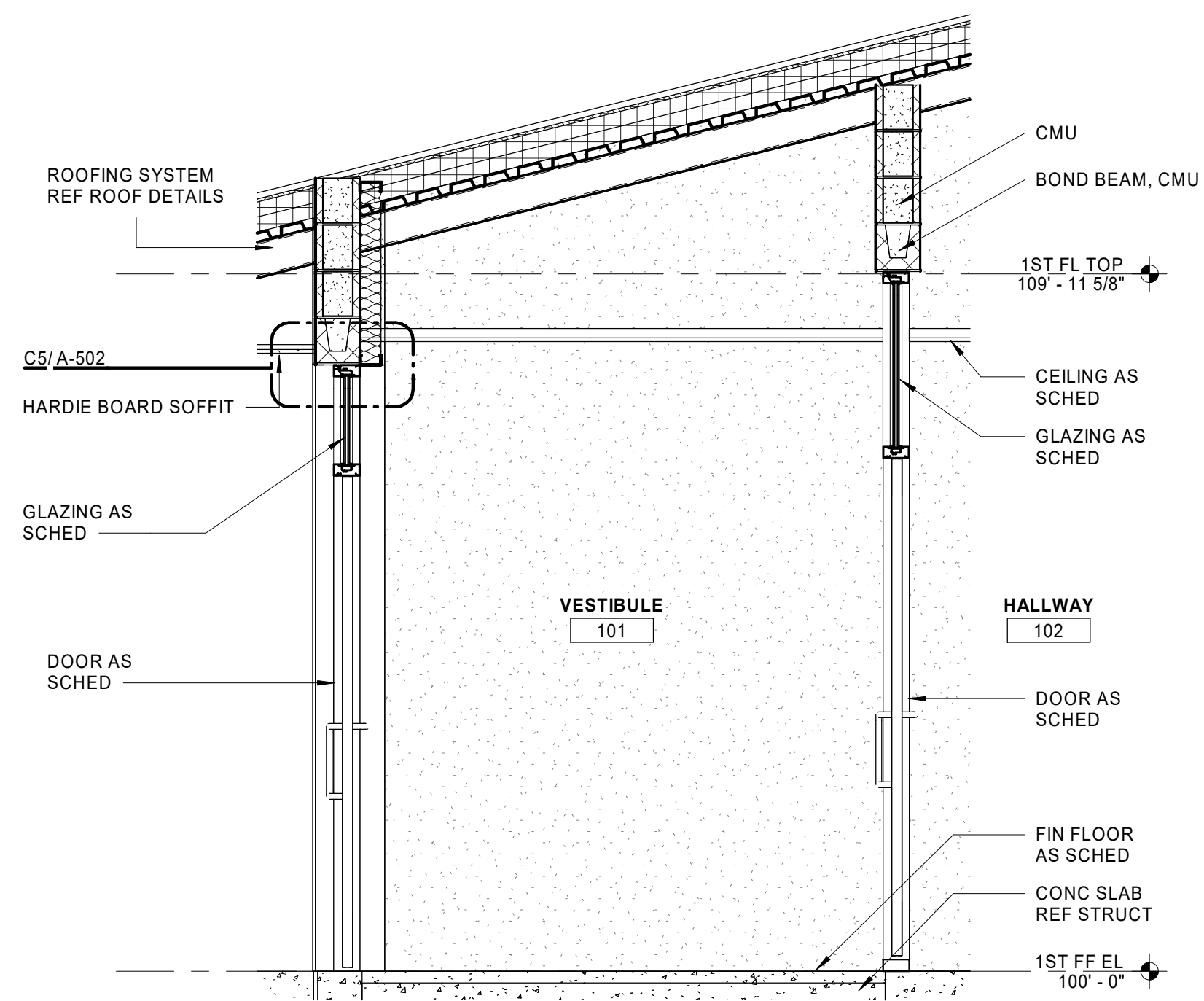
A1 KENNEL DETAIL
1/2" = 1'-0"



A3 WALL SECTION
1/2" = 1'-0"



C5 WALL SECTION
1/2" = 1'-0"



A4 WALL SECTION
1/2" = 1'-0"

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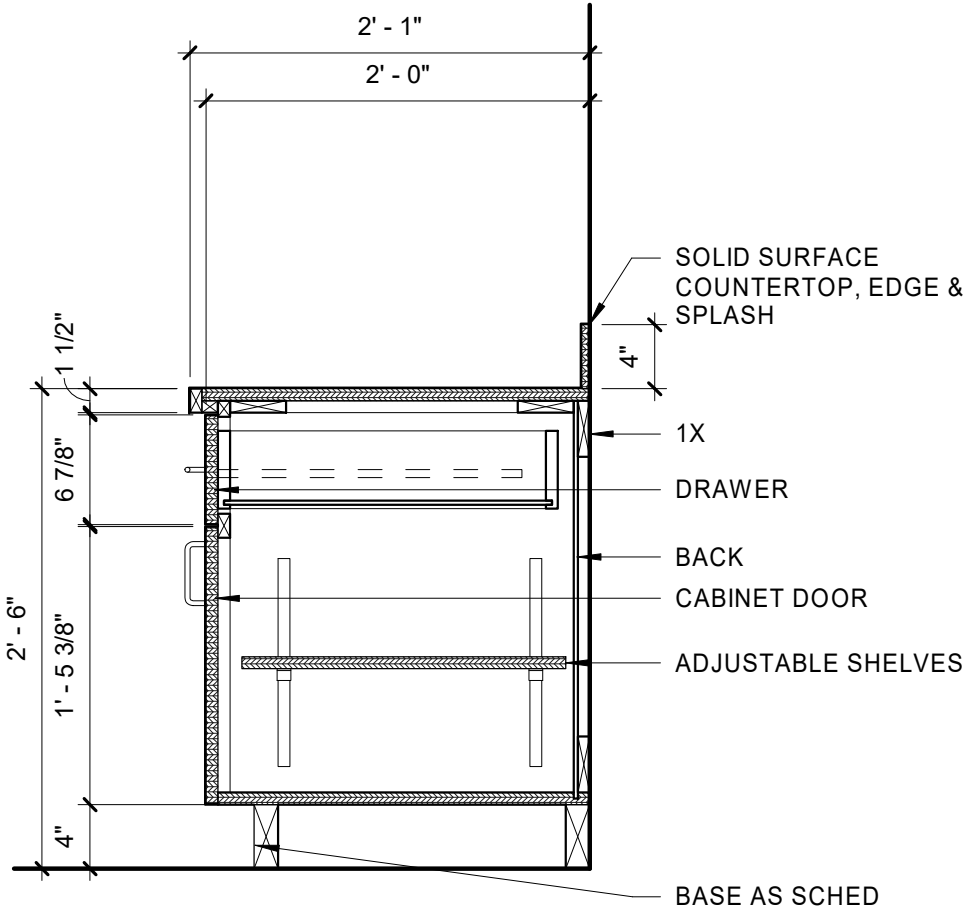
PROJECT NO.
42058.23

DATE 10/10/2025
DESCRIPTION Construction Documents

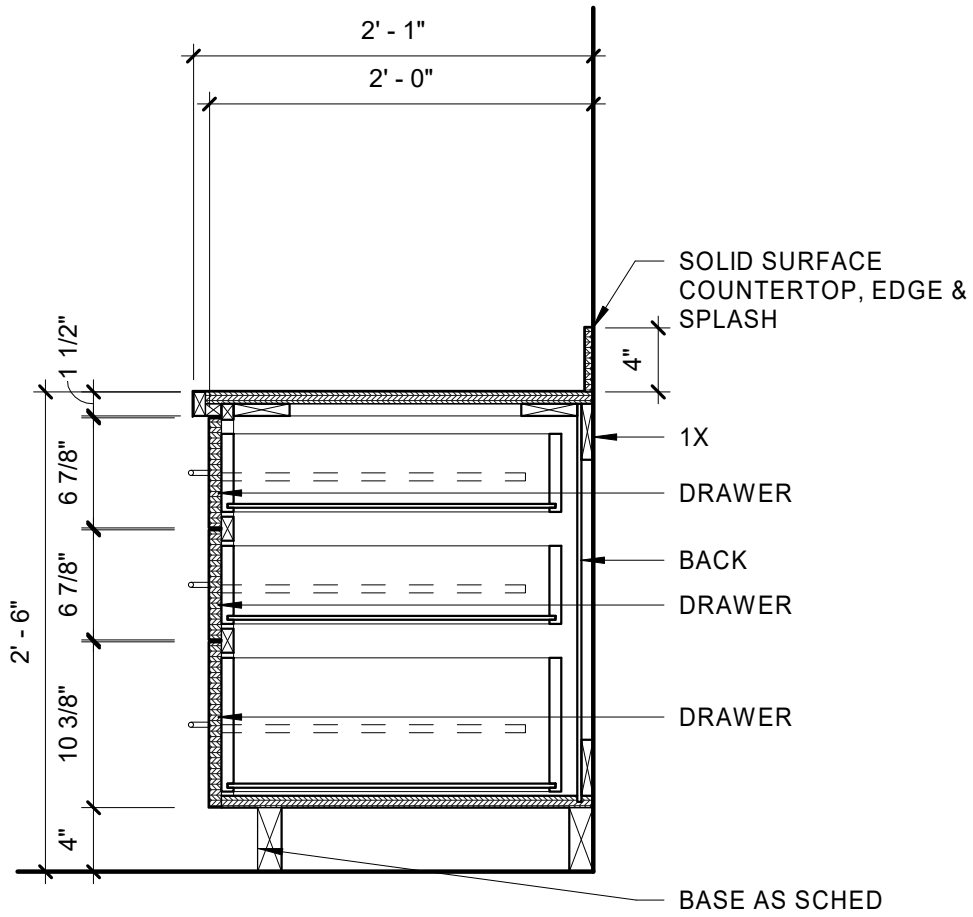
Wall Sections
A-312

GENERAL NOTES

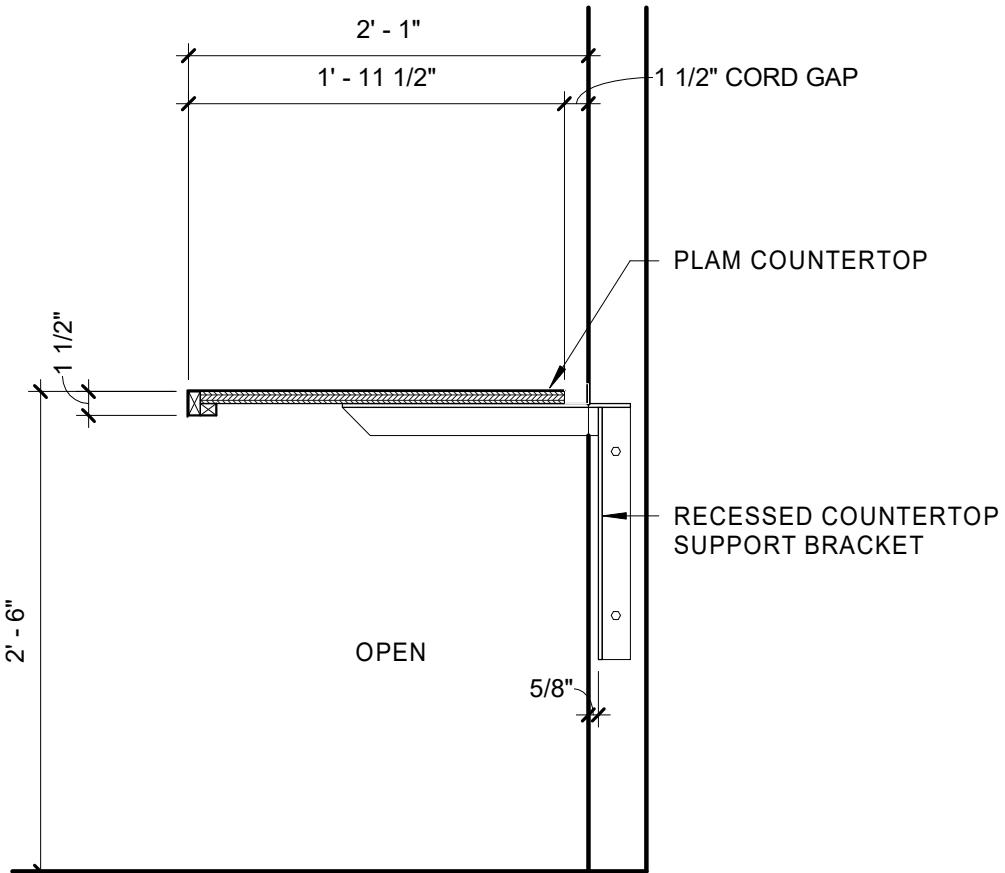
A. ENLARGED PLAN NOTES AS NEEDED.



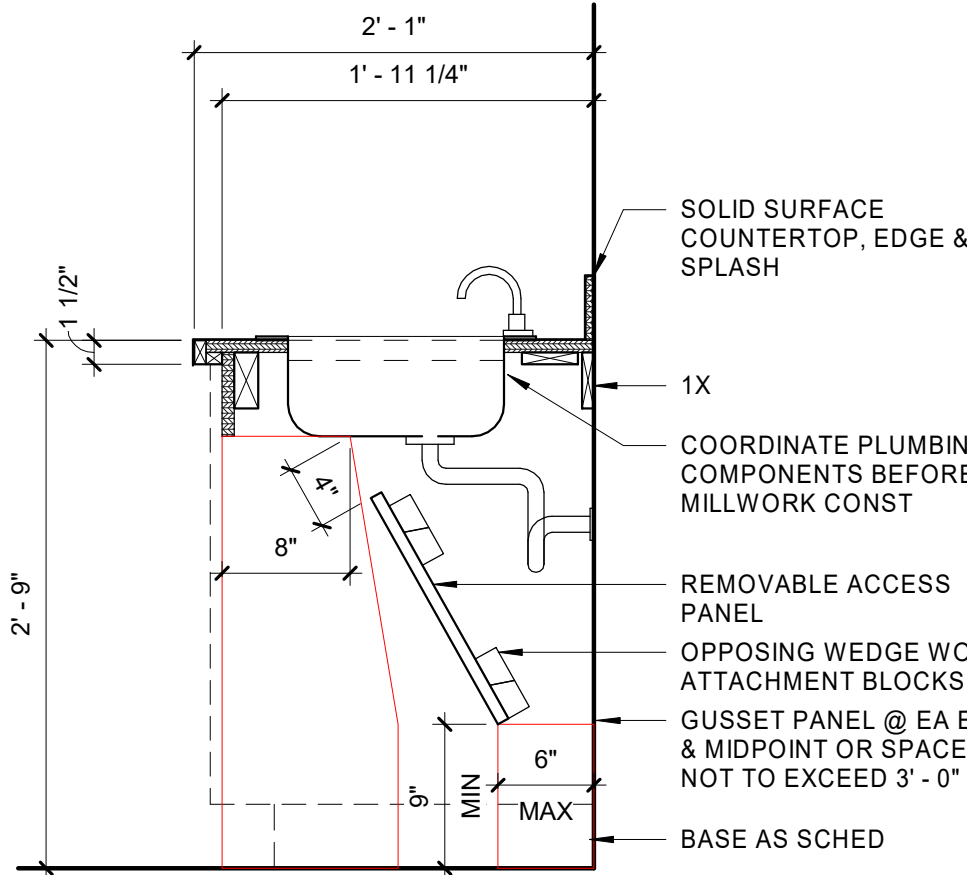
C3 MILLWORK SECTION
1" = 1'-0"



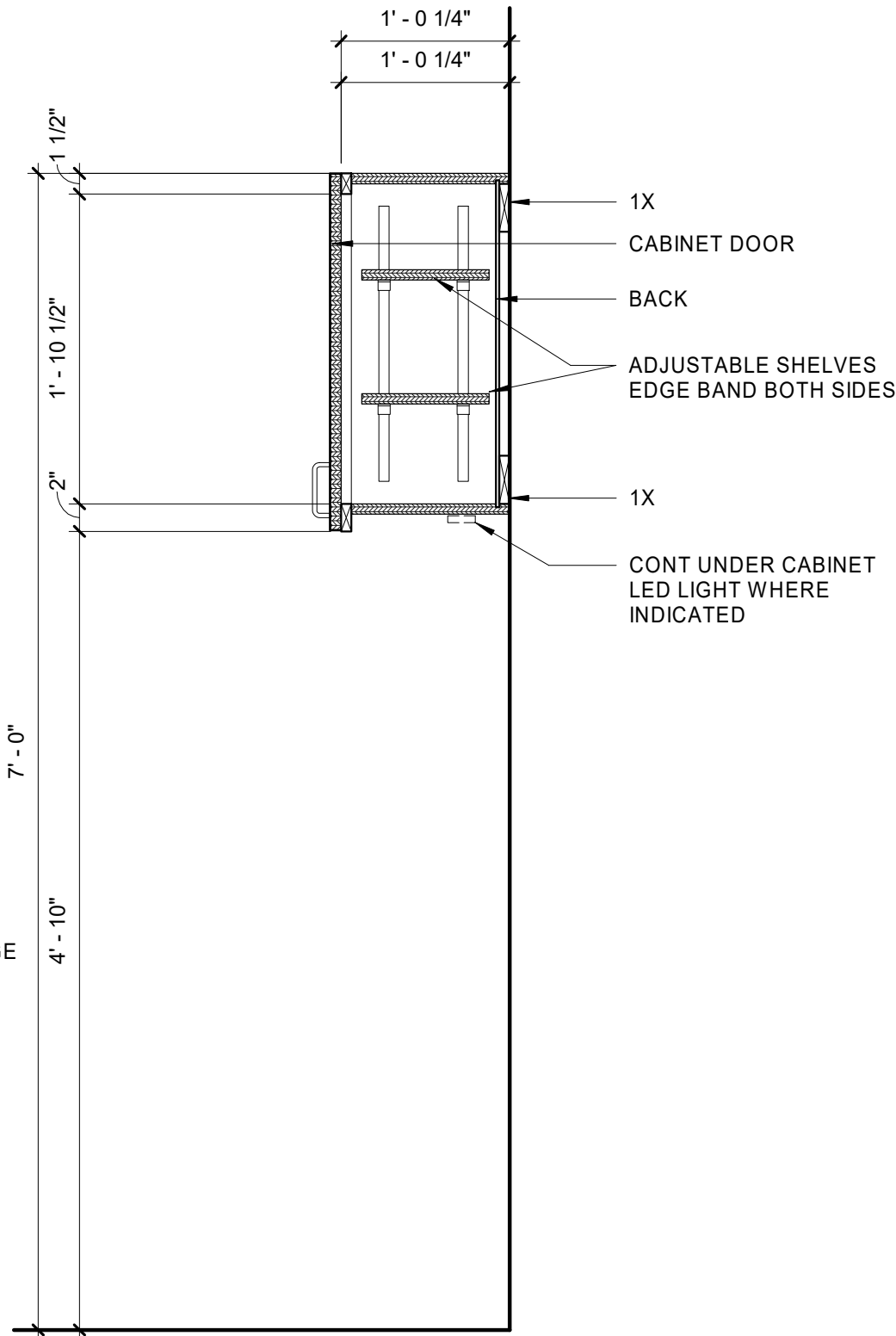
C4 SECTION
1" = 1'-0"



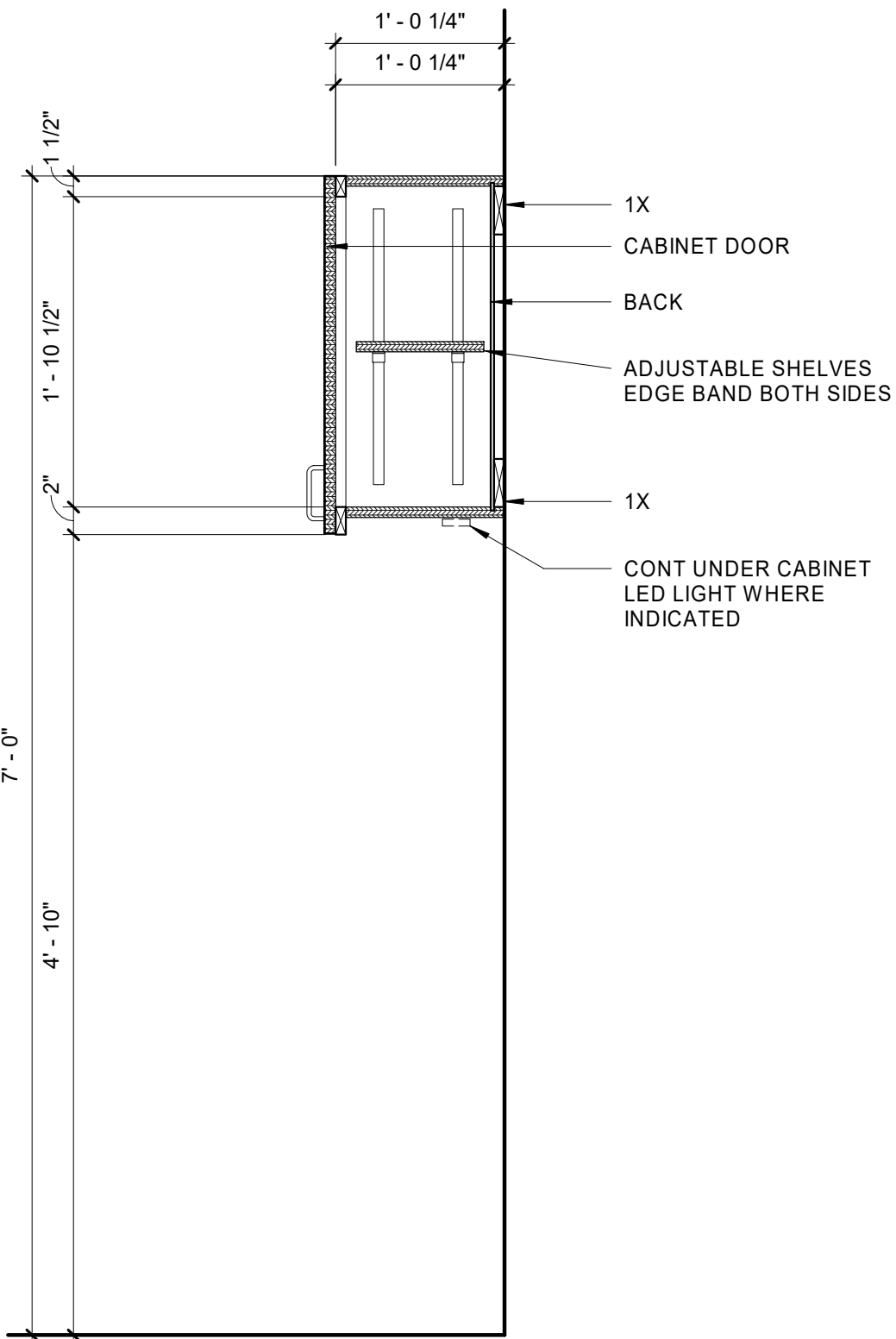
C5 SECTION
1" = 1'-0"



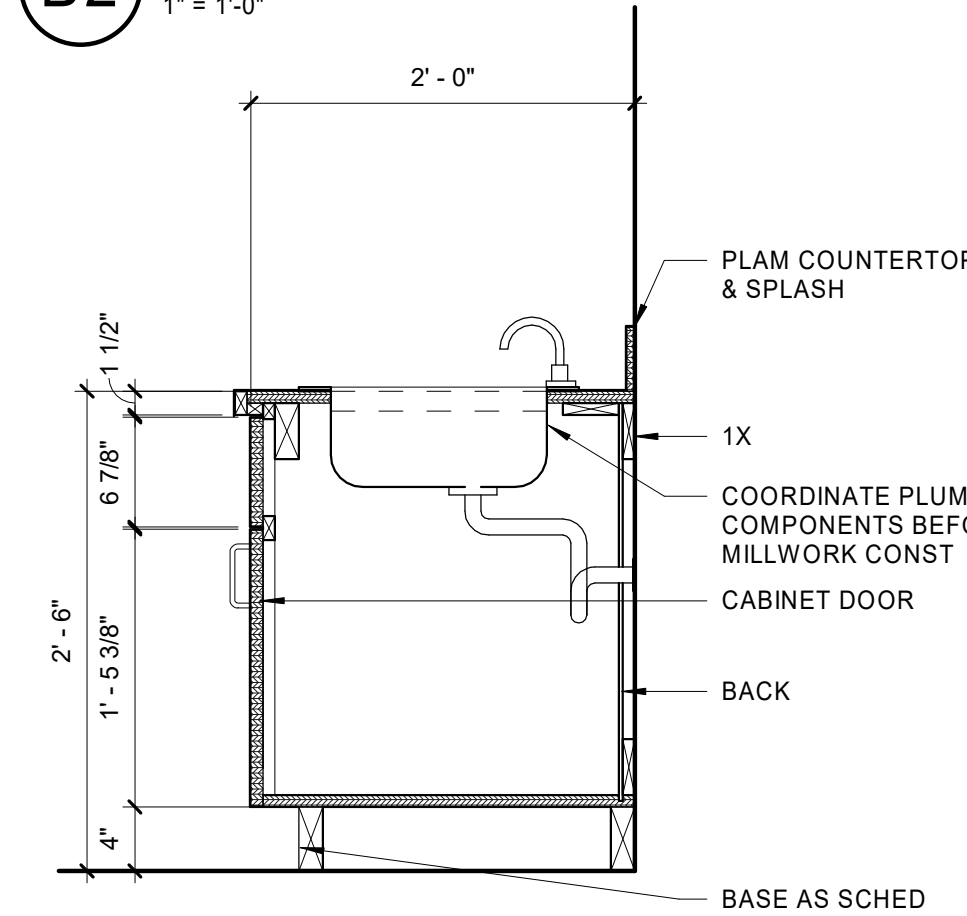
B2 MILLWORK SECTION
1" = 1'-0"



A4 MILLWORK SECTION
1" = 1'-0"

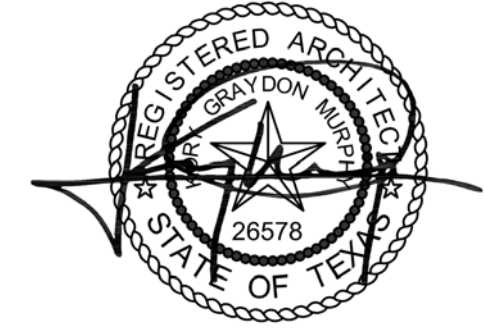


A5 MILLWORK SECTION
1" = 1'-0"



A3 MILLWORK SECTION
1" = 1'-0"

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10/10/2025 Construction Documents

DATE DESCRIPTION

Millwork

A-420



Williamson County Canine Training Facility
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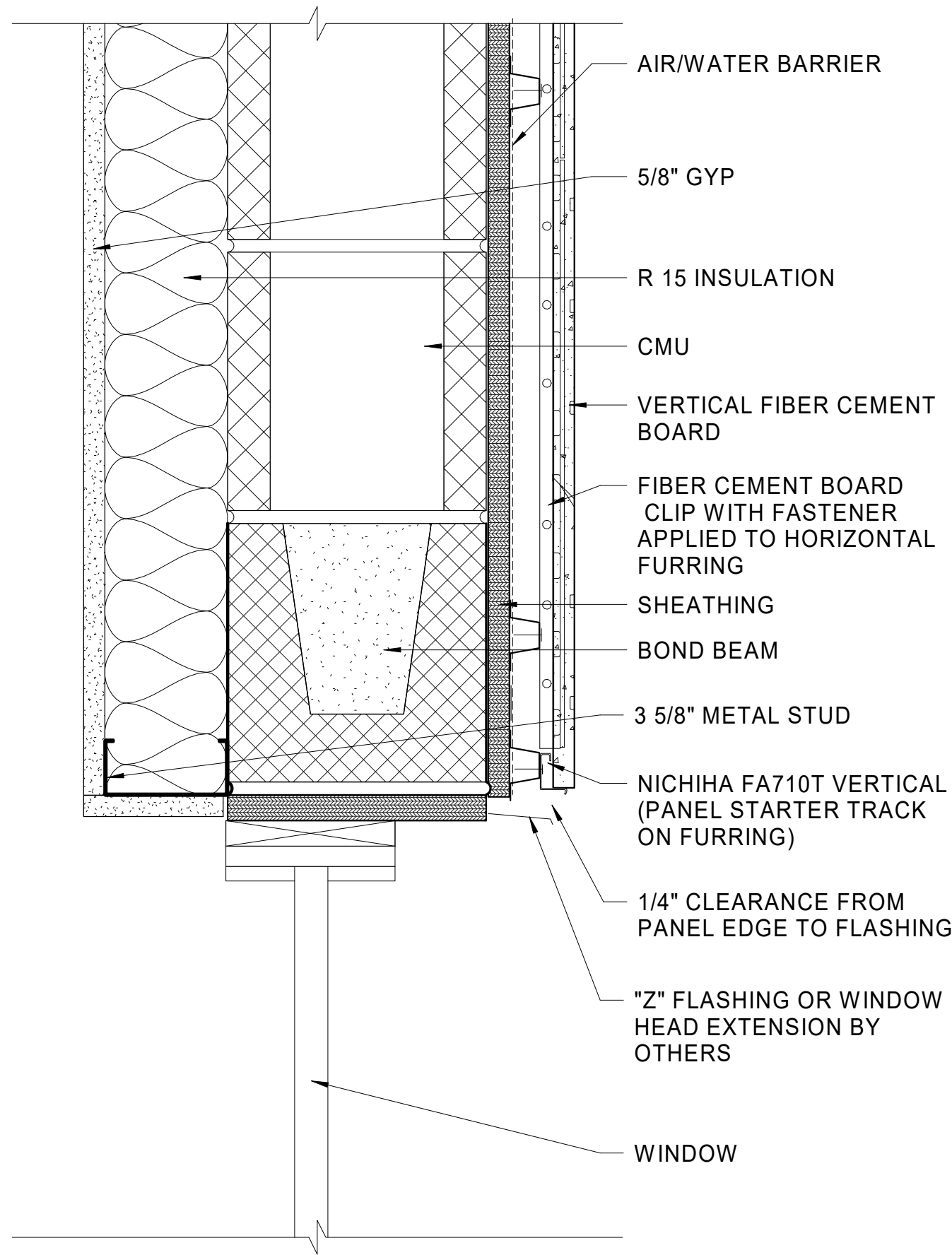
810 County Road 240 Florence, TX 76527

PROJECT NO.
42058.23

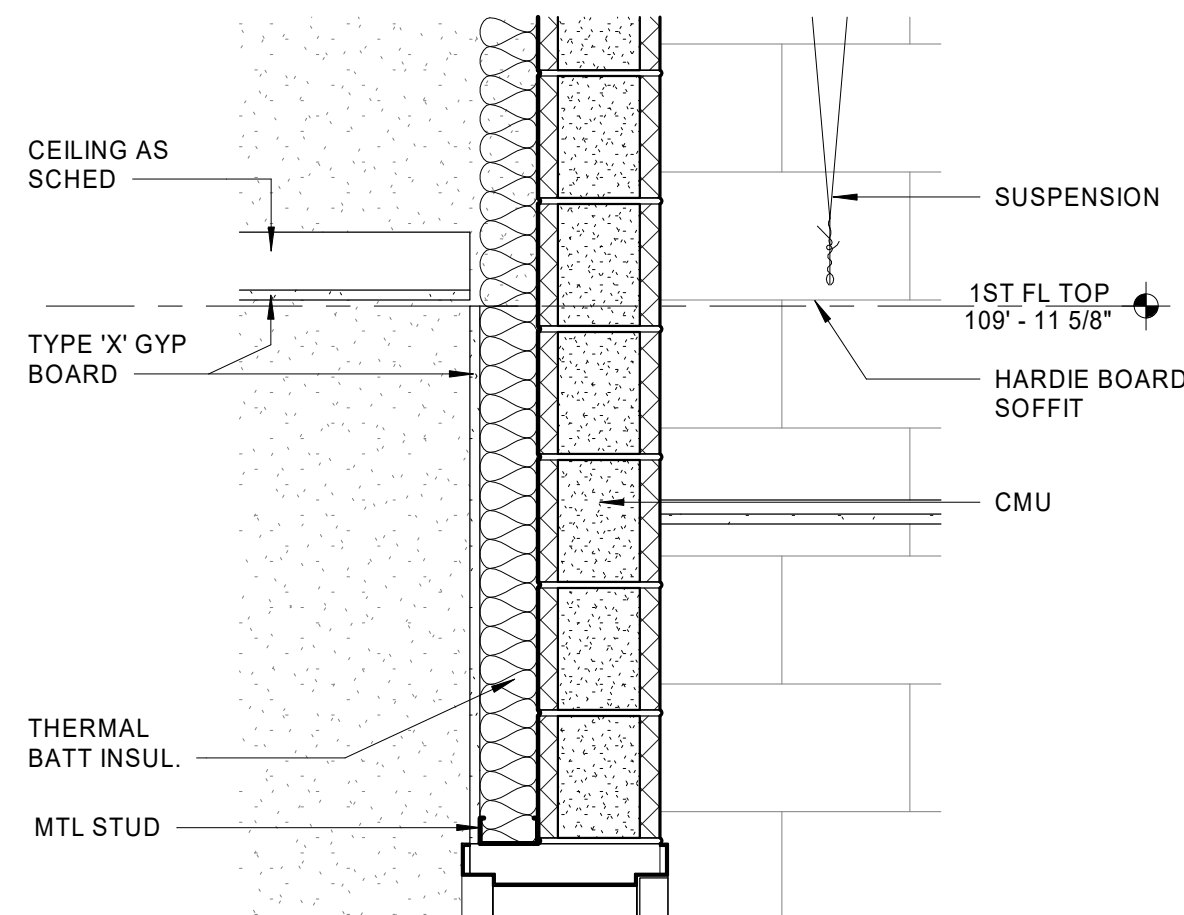
10/10/2025 Construction Documents
DATE DESCRIPTION

Details

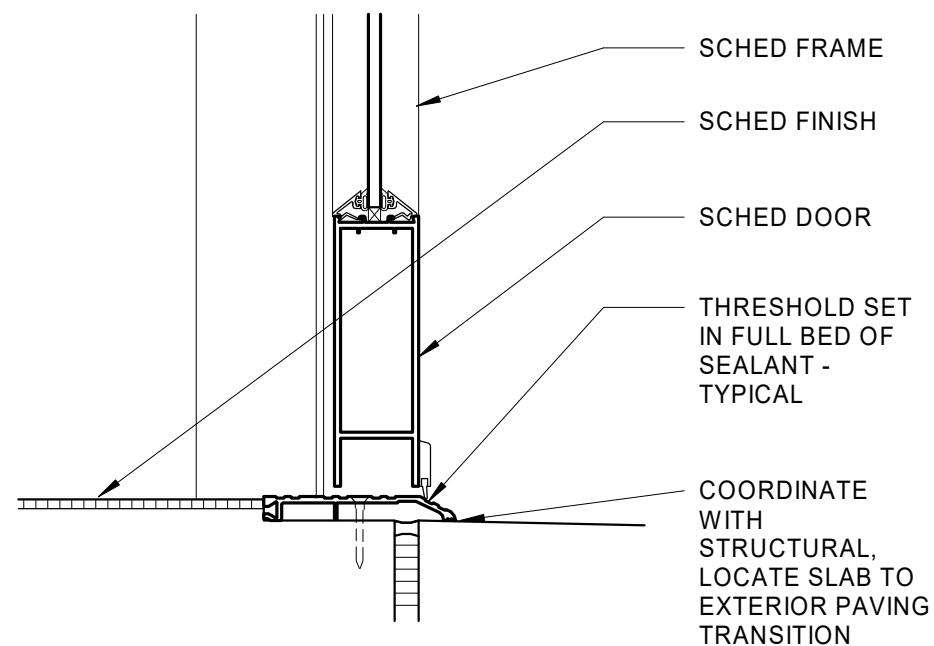
A-501



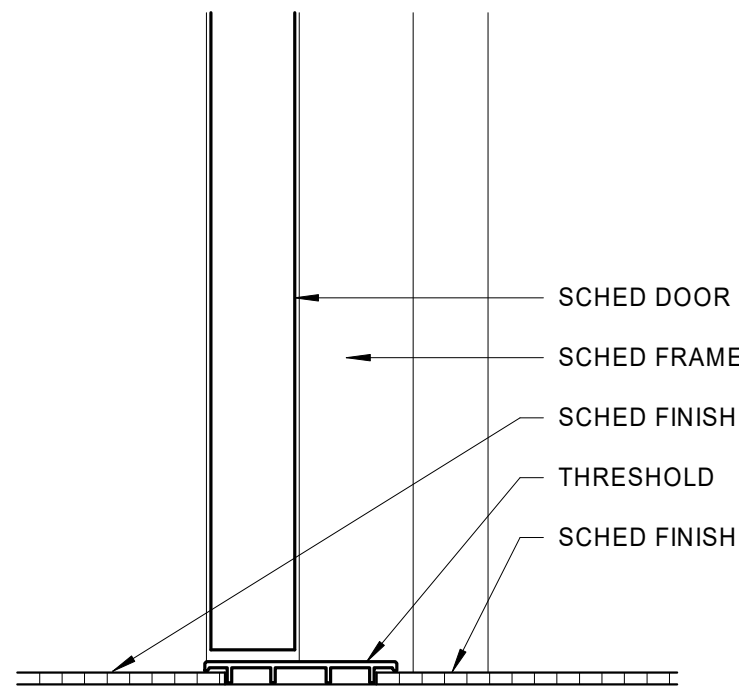
C1 WINDOW HEAD
3\"/>



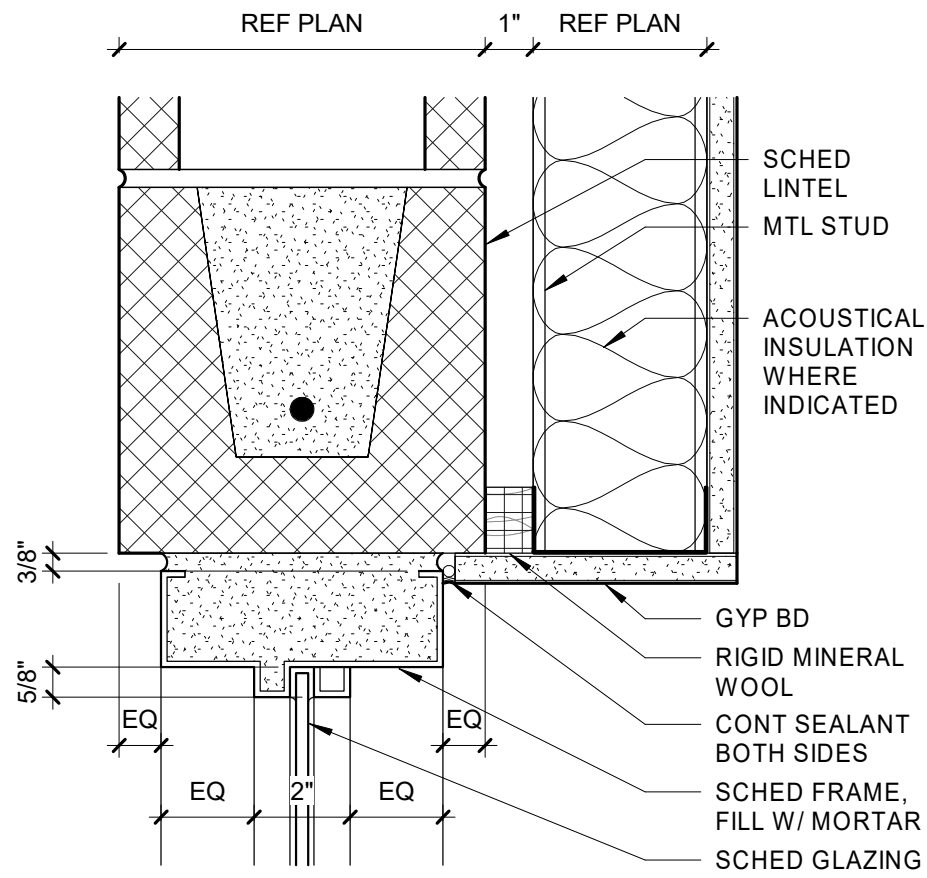
C3 SOFFIT DETAIL
1\"/>



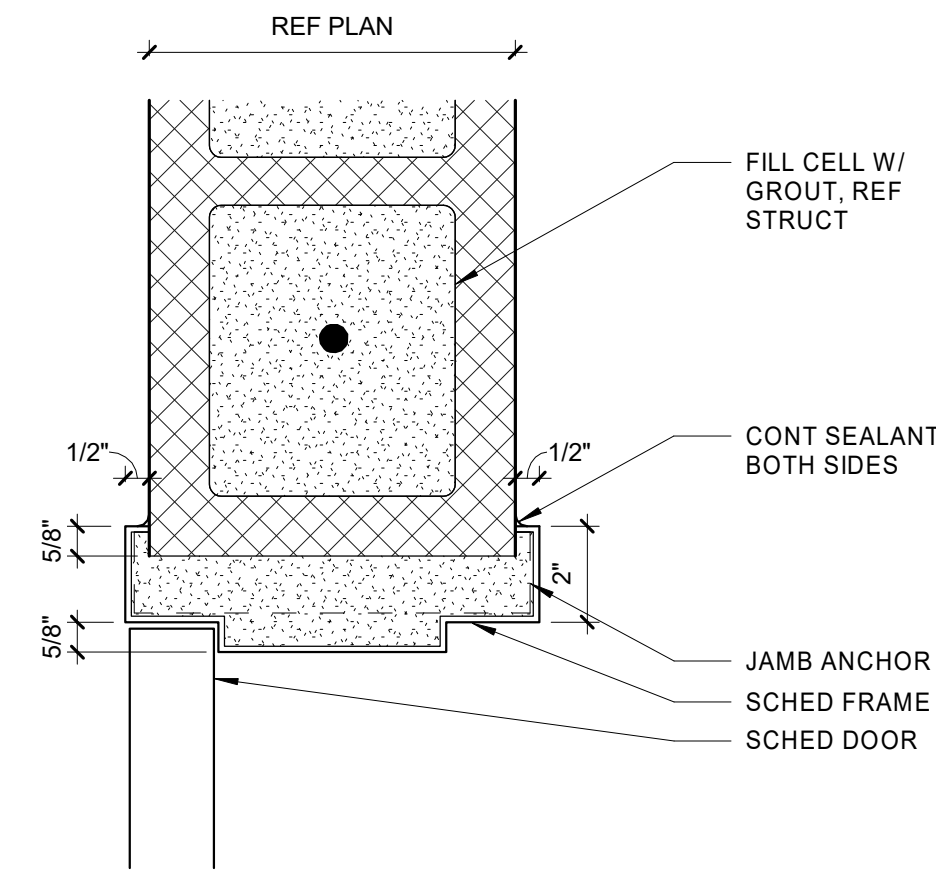
D4 SILL AT DOOR
3\"/>



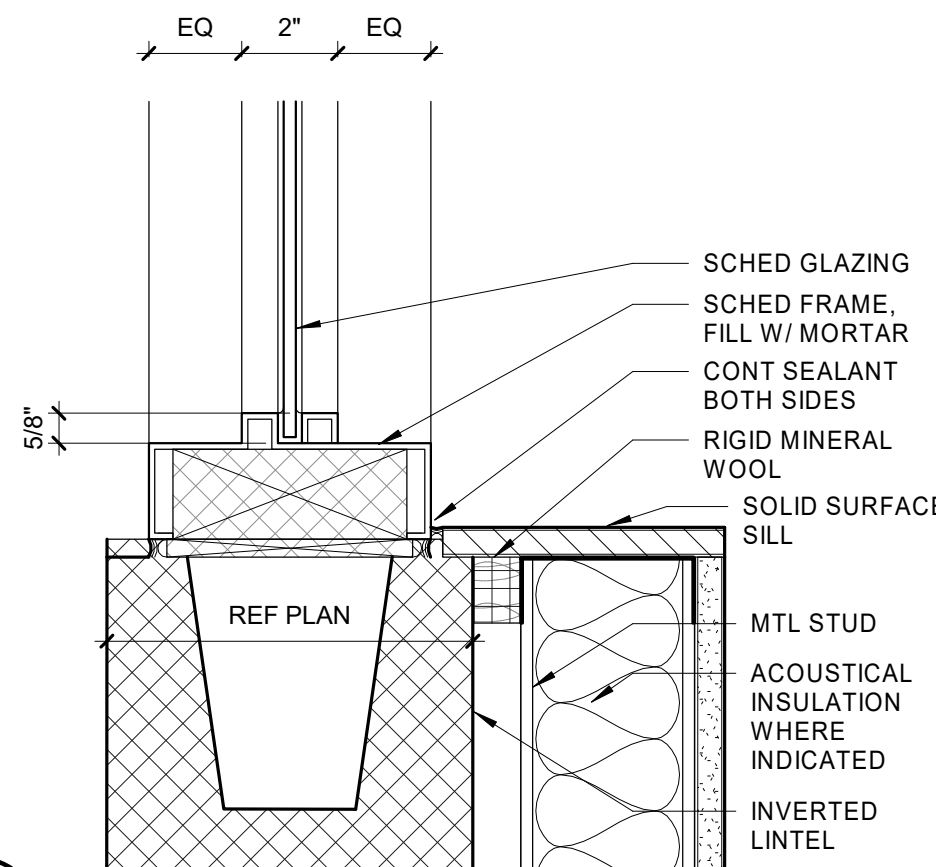
D5 SILL
3\"/>



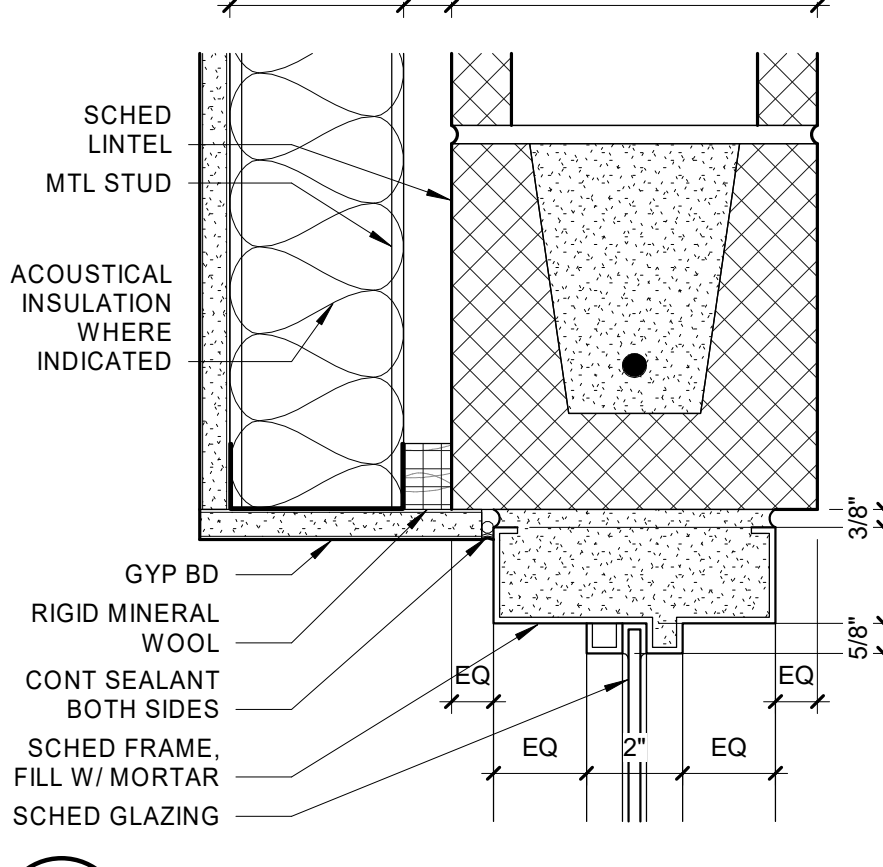
C4 HEAD
3\"/>



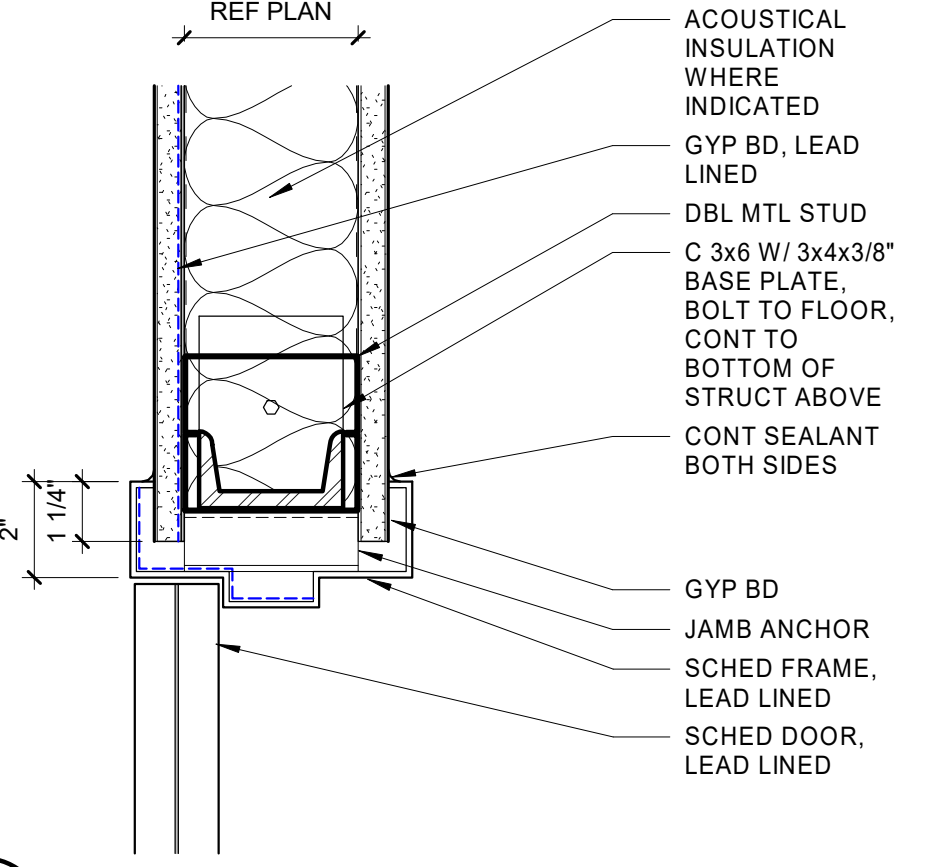
C5 JAMB
3\"/>



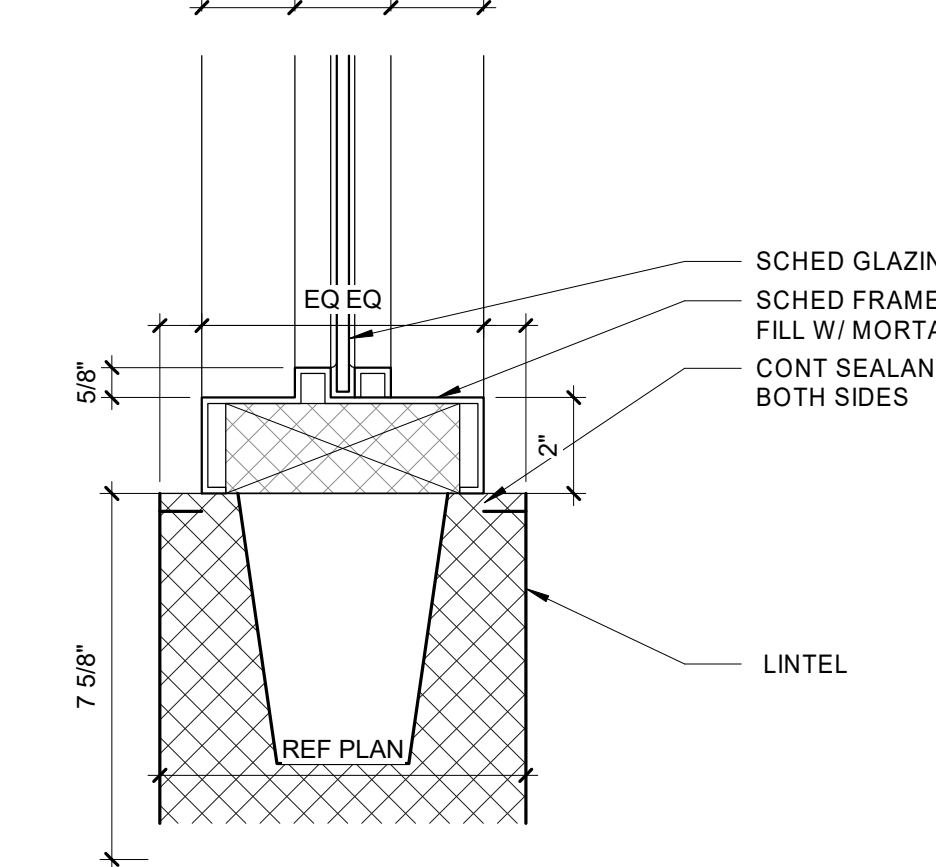
B2 SILL
3\"/>



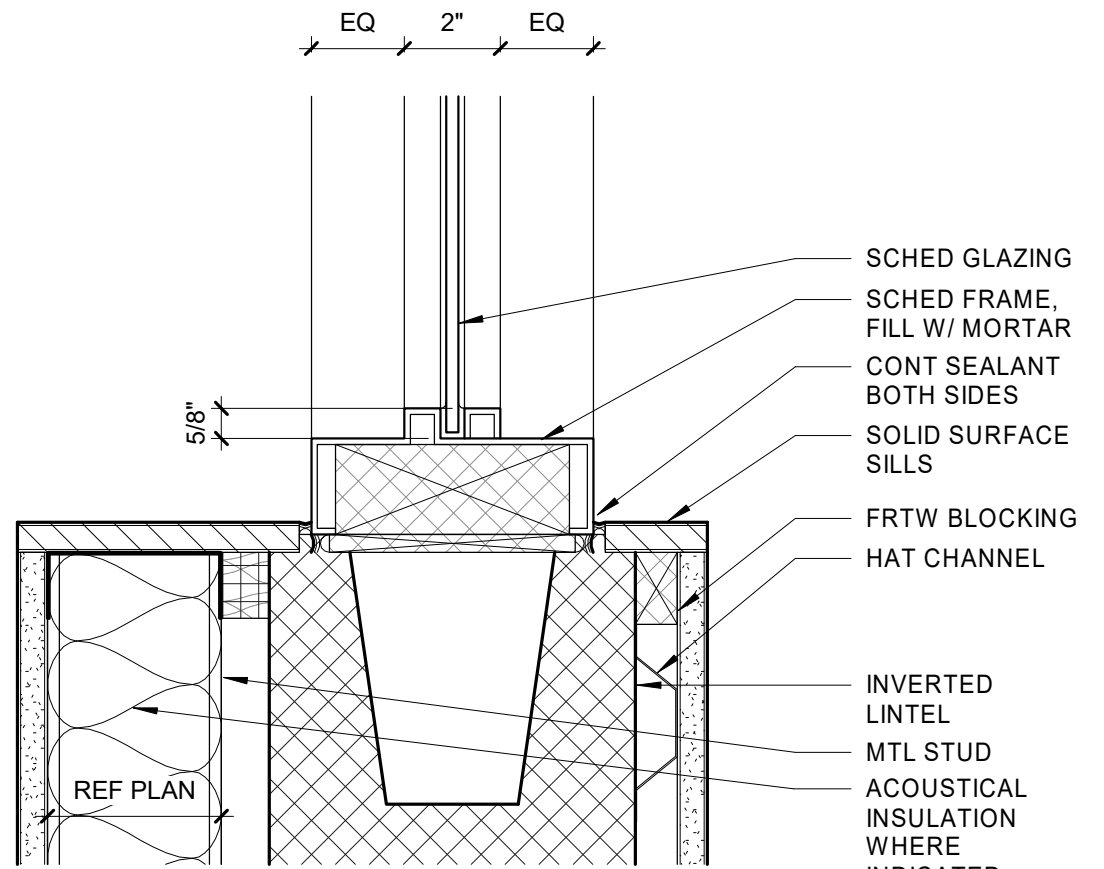
B3 HEAD
3\"/>



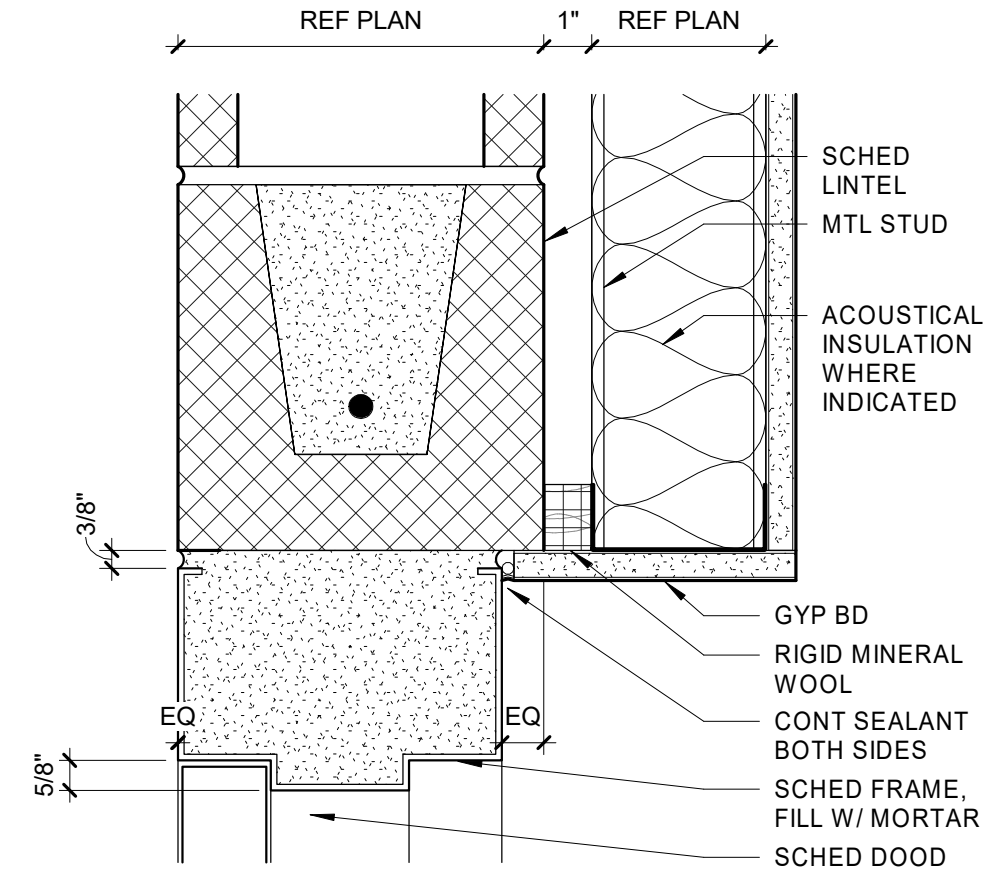
B4 JAMB - MTL STUD
3\"/>



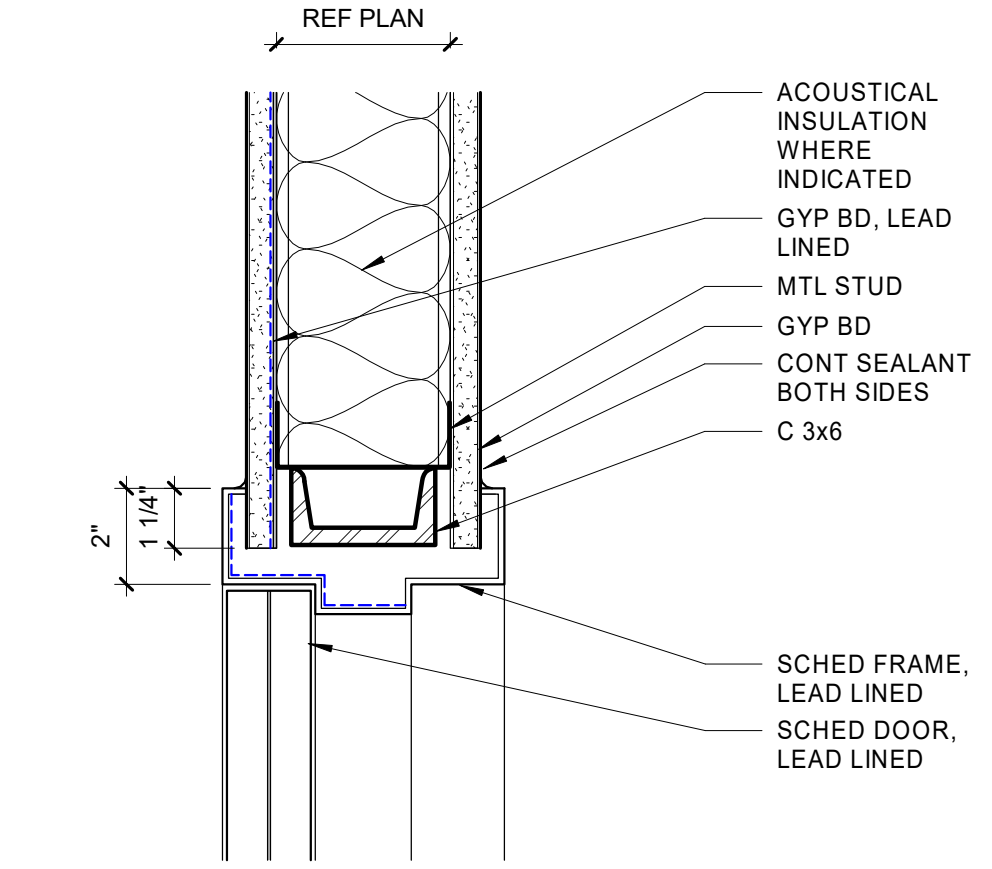
B5 SILL
3\"/>



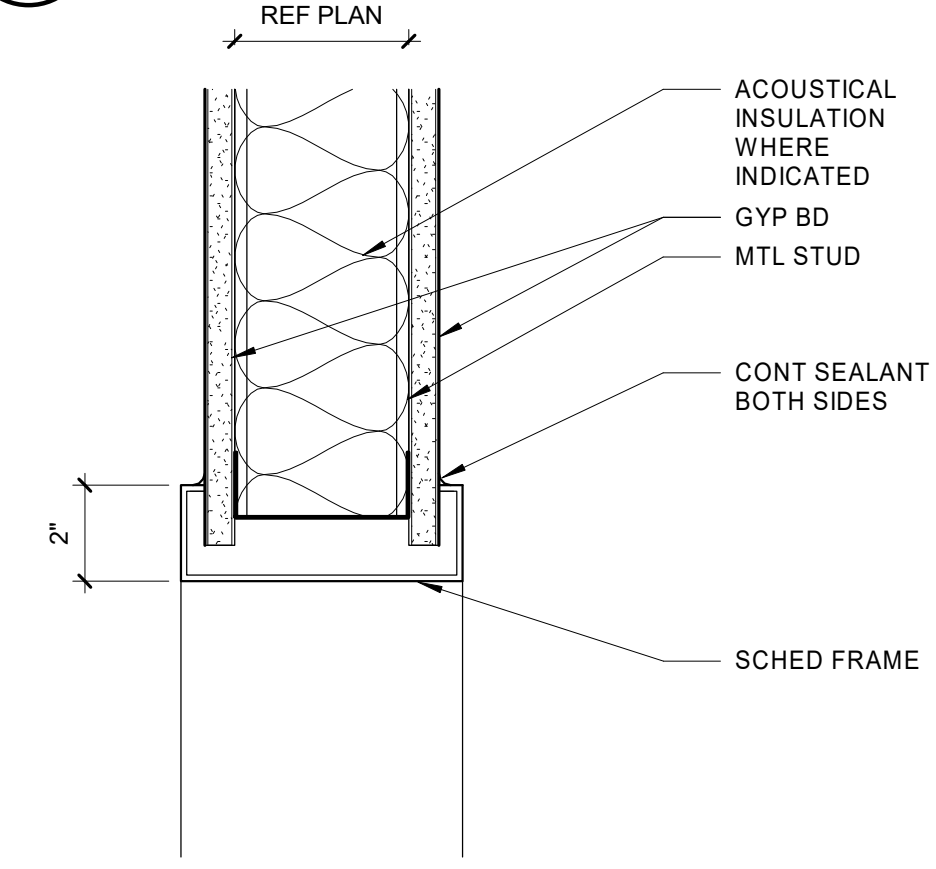
A2 SILL
3\"/>



A3 HEAD
3\"/>



A4 HEAD - MTL STUD
3\"/>



A5 HEAD - MTL STUD - CASED
3\"/>



Williamson County Canine Training Facility
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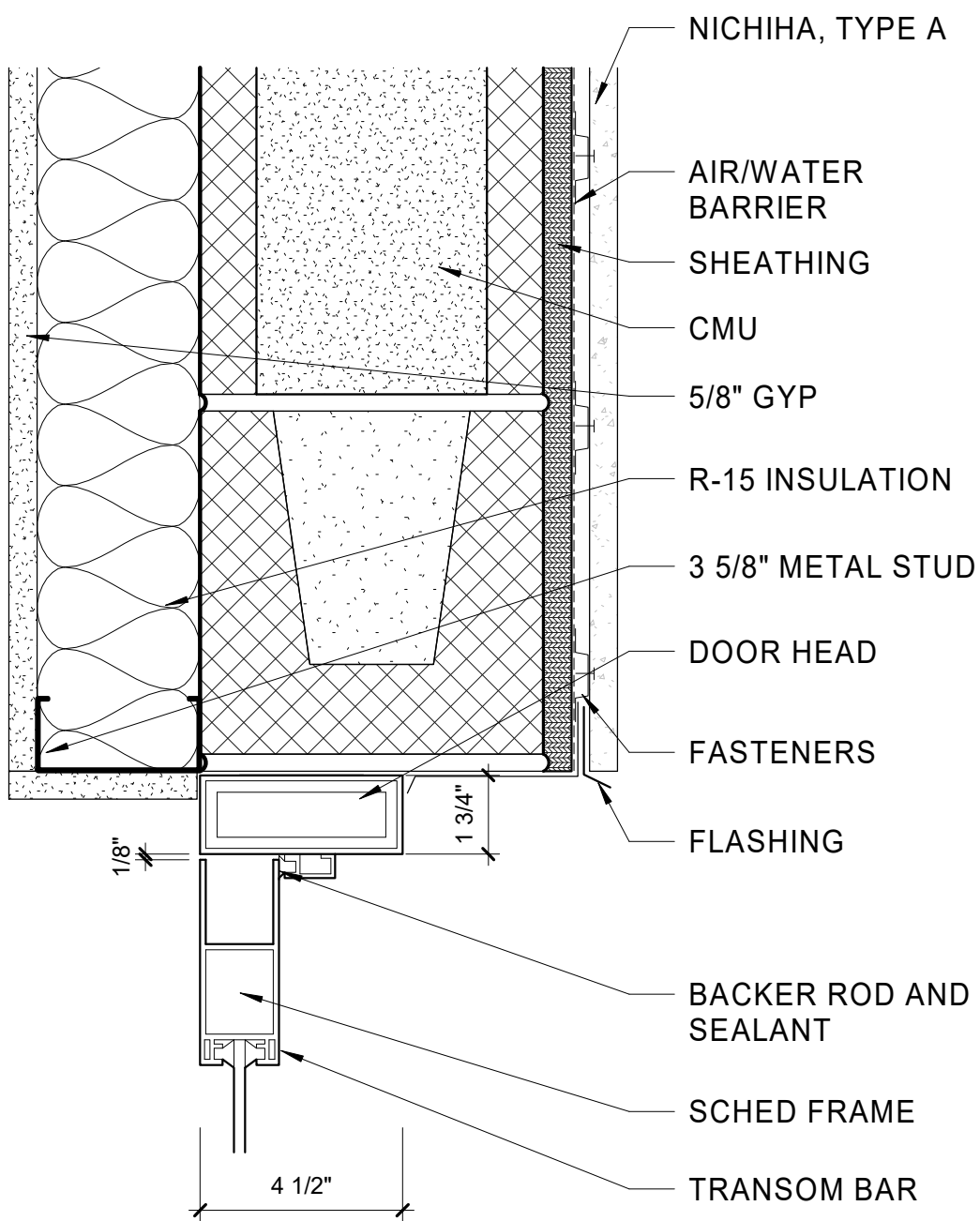
CLIENT
Department of Public Safety
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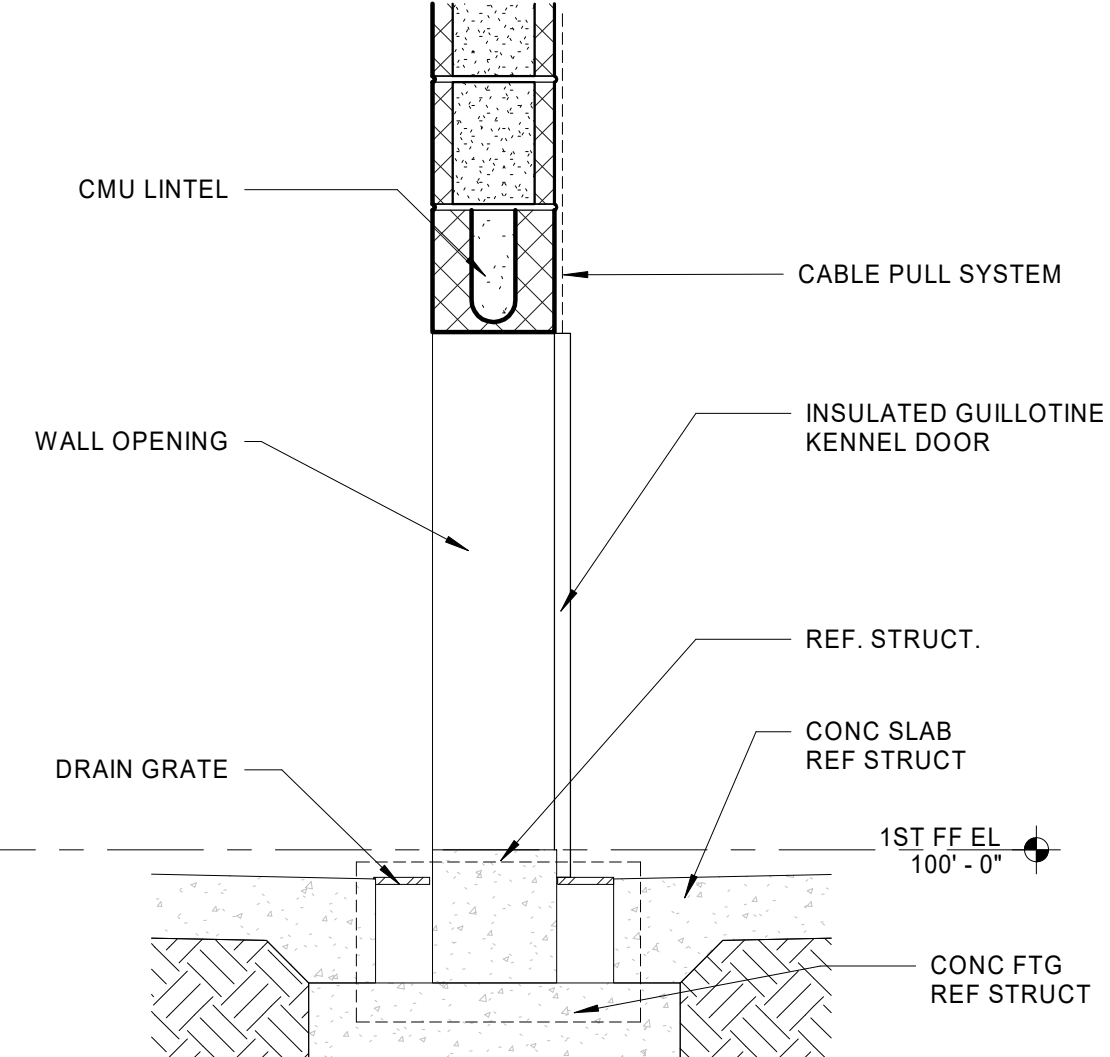
#	DATE	DESCRIPTION

Details

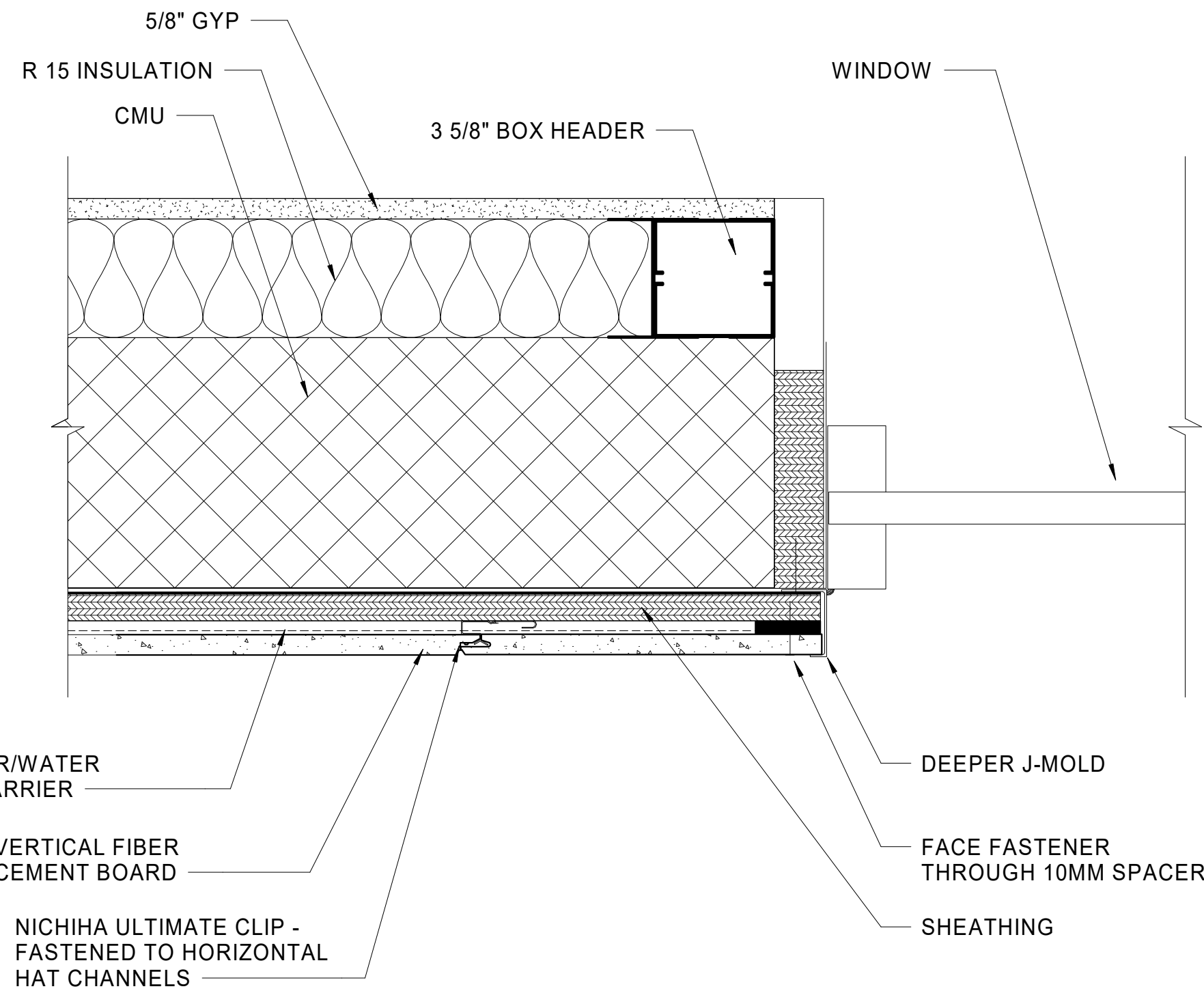
A-502



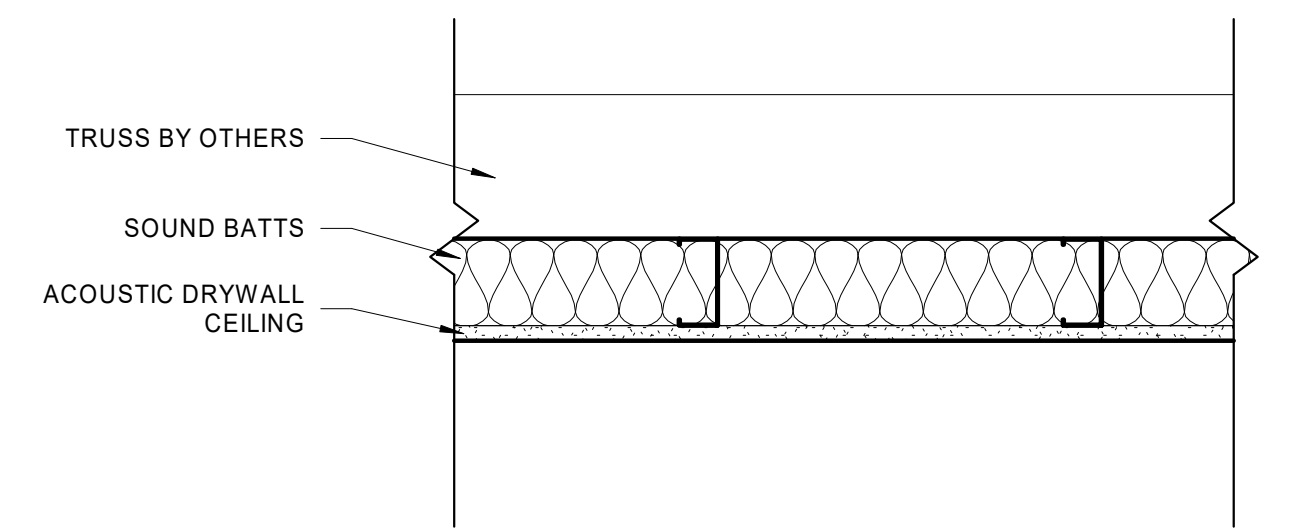
C5 STOREFRONT DOOR HEADER
3\"/>



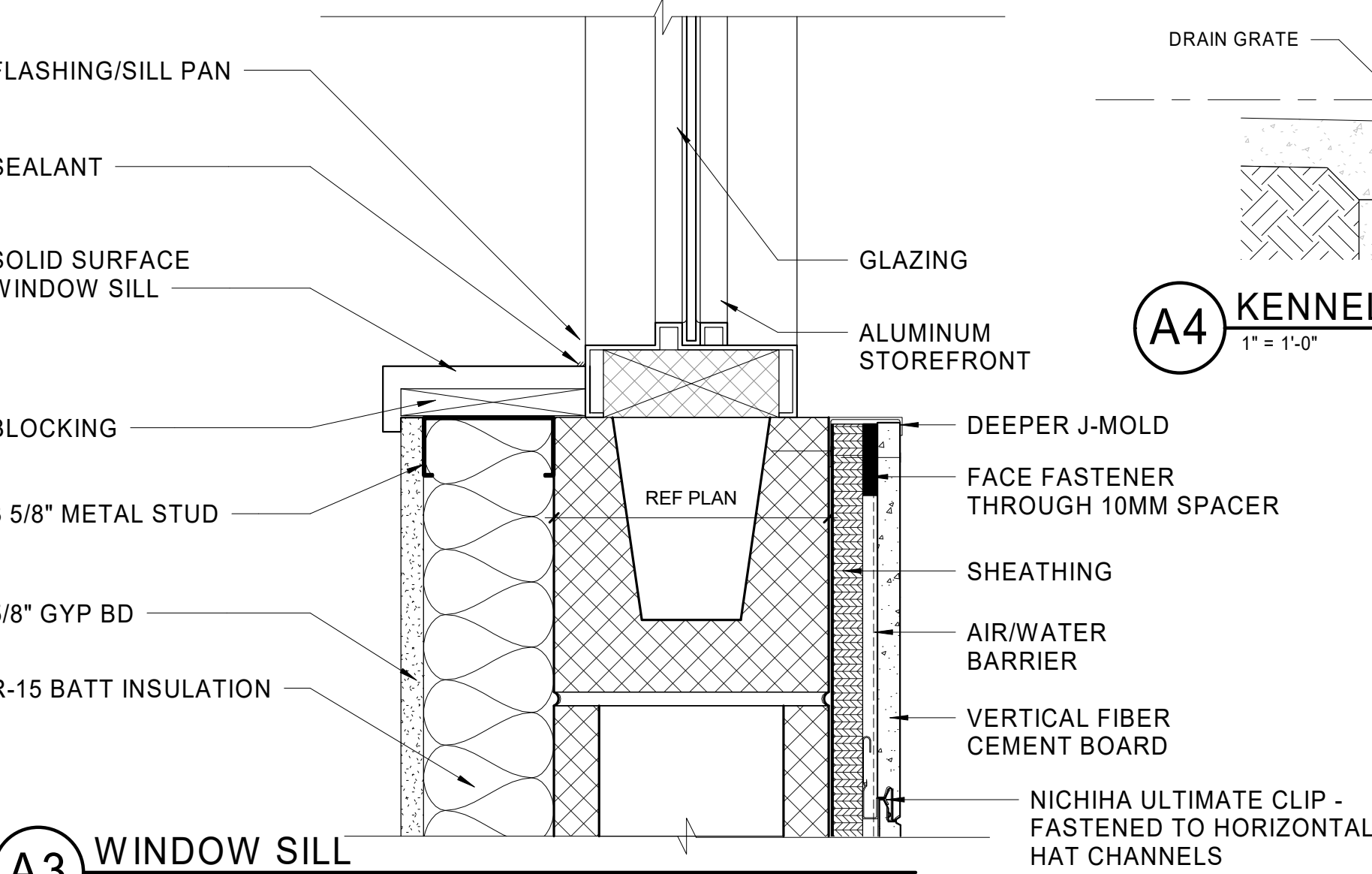
A4 KENNEL DETAIL
1\"/>



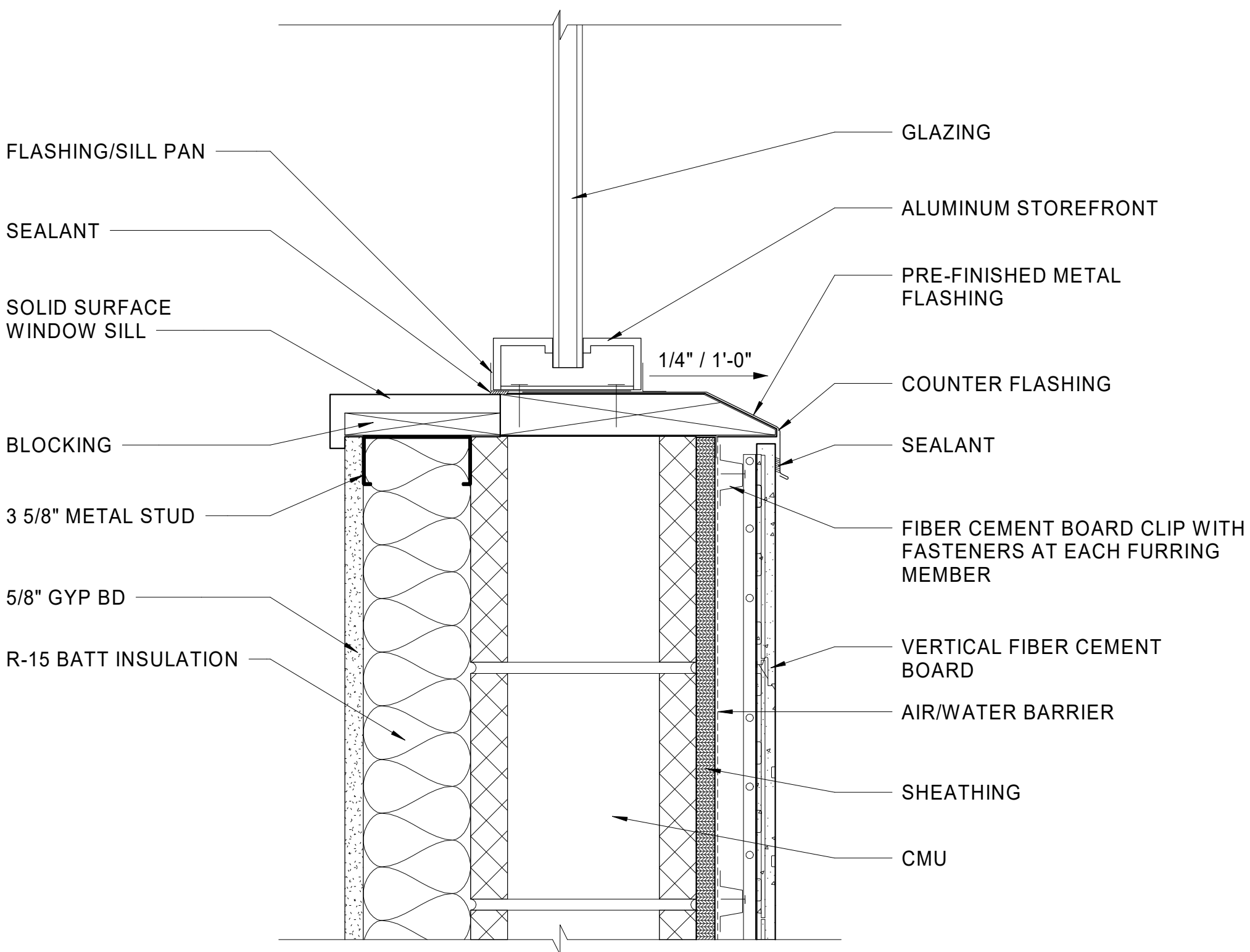
C3 WINDOW JAMB
3\"/>



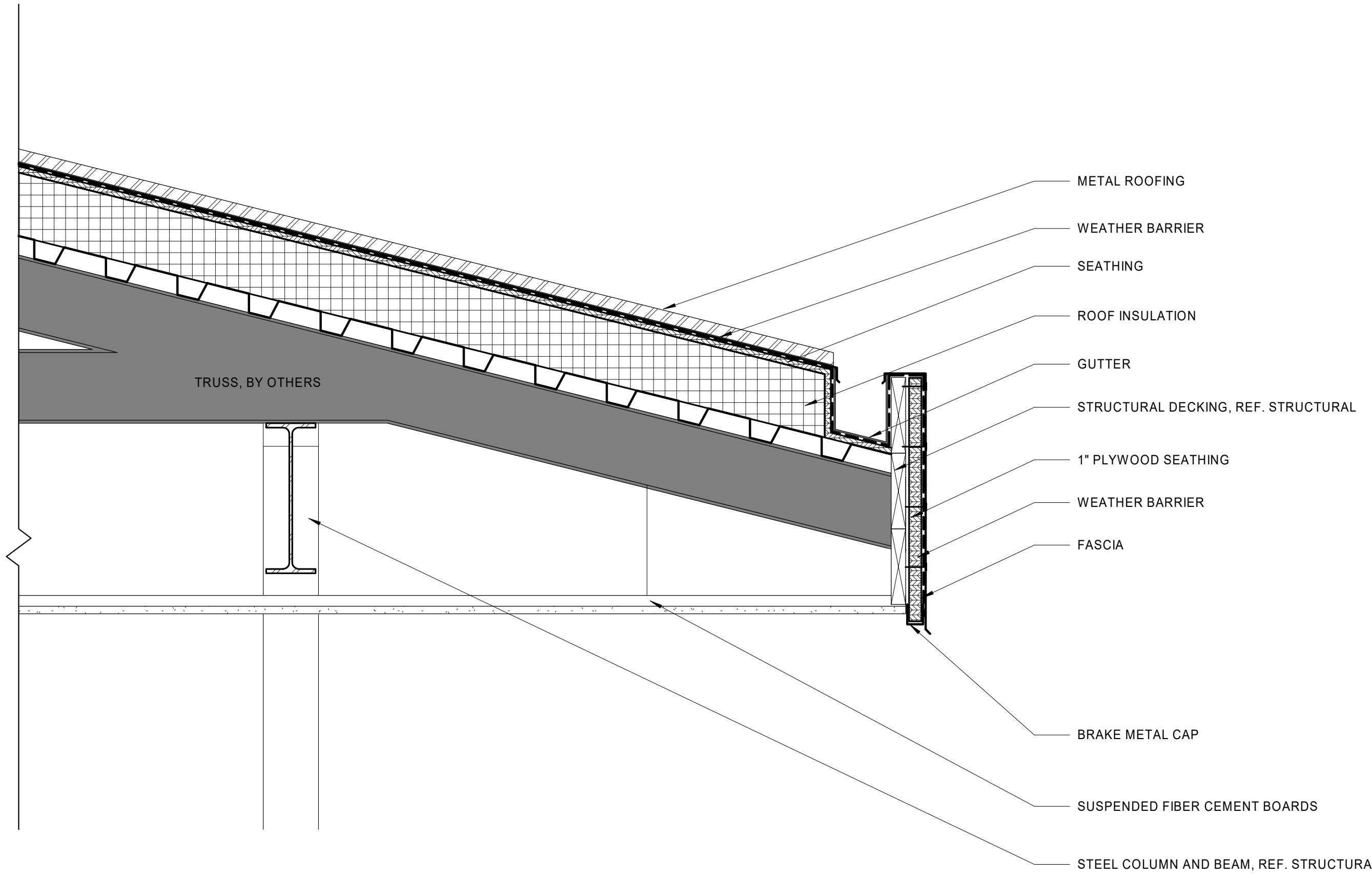
A5 KENNEL CEILING DETAIL
1 1/2\"/>



A3 WINDOW SILL
3\"/>



C1 WINDOW SILL
3\"/>



A1 ROOF OVERHANG DETAIL
1 1/2\"/>

DOOR SCHEDULE FOOTNOTES X=EXISTING

1. DOOR SIZE
SIZE INDICATED IS NOMINAL. REDUCTION SHALL BE MADE FOR THRESHOLD & EDGE CLEARANCES. ALL DOORS ARE 1 3/4" THICK UNO

2. DOOR CONSTRUCTION/VENEER (## - REF TO L001)
SCTF = SOLID CORE WOOD, TRANSPARENT FINISH
SCPF = SOLID CORE WOOD, PAINT FINISH
SCLP = SOLID CORE WOOD, LAMINATED PLASTIC COVER
SCIR = SOLID CORE WOOD, IMPACT RESISTANT
HM = HOLLOW METAL
HMLP = HOLLOW METAL, LAMINATED PLASTIC COVER
HMPF = HOLLOW METAL, PAINT FINISH

3. DOOR TYPE
REFER TO DOOR TYPE SCHEDULE

4. FRAME CONSTRUCTION
REFER TO DOOR FRAME SCHEDULES
HM = HOLLOW METAL
HMPF = HOLLOW METAL, PAINT FINISH
ALUM = ALUMINUM
WDTF = SOLID WOOD, TRANSPARENT FINISH
WDPF = SOLID WOOD, PAINT FINISH

5. FIRE RATING
COMPARE DOOR & GLAZING SCHEDULE SHEET(S) AND LIFE SAFETY PLAN SHEET(S) FOR FIRE RATING. GC VERIFY AND CONFIRM DOORS, FRAMES, GLAZING AND HARDWARE REQUIRED TO ACHIEVE REQUIRED FIRE RATED ASSEMBLY.

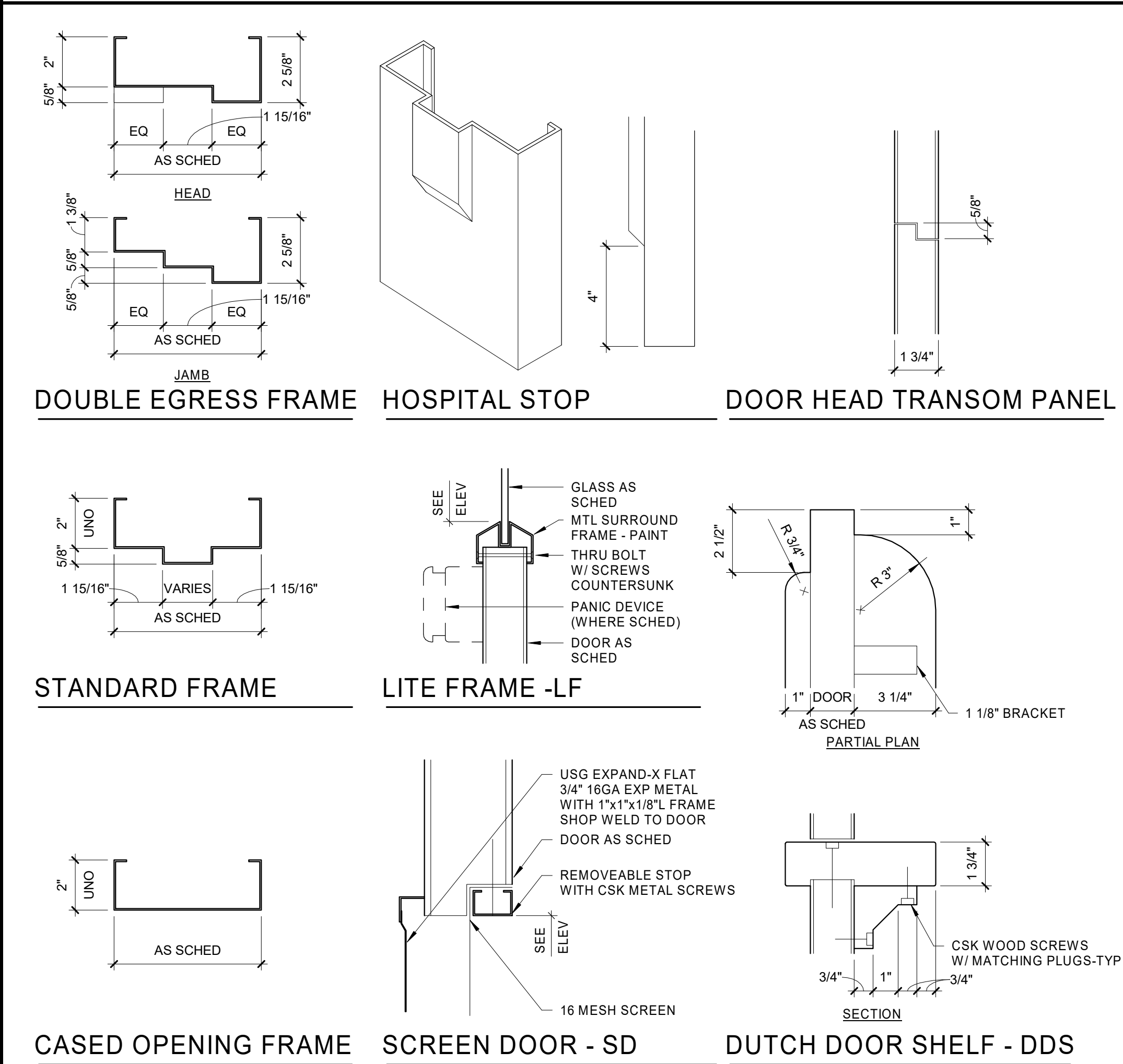
6. DETAIL #
A1/A-701
SHEET #
SIMILAR

7. REMARKS
MISCELLANEOUS (GENERAL NOTES)
M1 = VERIFY ROUGH OPENINGS
M2 = DOOR TRIM TO MATCH EXISTING
M3 = LEAD LINED DOOR & FRAME
M4 = VERIFY FINISH OPENING SIZE
M5 = PROVIDE HOSPITAL STOP ON FRAME. SEE STANDARD DOOR DETAILS (THIS SHEET)
M6 = CASIED OPENING FRAME
M7 = SEE STANDARD DOOR DETAILS (THIS SHEET) FOR DOOR HEAD / TRANSOM PANEL DETAILS
T1 = WOOD TRANSOM TO MATCH DOOR, SIZE AS NOTED
T2 = HOLLOW METAL TRANSOM TO MATCH EXISTING

DOOR SCHEDULE

MARK	PR	DOOR			CONST ²	TYPE ³	GLAZING	FIRE RATING ⁴	FRAME		DETAILS ⁵			REMARKS ⁶
		WIDTH ¹	WIDTH ¹	HEIGHT ¹					CONST ²	SIZE	HEAD	JAMB	SILL	
102		3' - 0"		7' - 0"	HMPF	-	-		HM01	5 7/8"	A5/ A-501			CASIED OPENING
102A		3' - 0"		7' - 0"	-	N1	G02		HM01	1' - 0 7/8"	A3/A-501			FIBERGLASS DOOR, FRP FRAME
103		3' - 0"		7' - 0"	HMPF	F	-		HM01	5 7/8"	A4/A-501			
103A		3' - 0"		7' - 0"	HMPF	F	-		HM01	5 7/8"	A4/A-501			
104		3' - 0"		7' - 0"	HMPF	F	-		HM01	5 7/8"	A4/A-501			
105		3' - 0"		7' - 0"	HMPF	F	-		HM01	5 7/8"	A4/A-501			
105A		3' - 0"		7' - 0"	HMPF	F	-		HM01	5 7/8"	A4/A-501			
106		3' - 0"		7' - 0"	HMPF	F	-		HM01	5 7/8"	A4/A-501			
106A		3' - 0"		7' - 0"	HMPF	F	-		HM01	5 7/8"	A4/A-501			
107		3' - 0"		7' - 0"	HMPF	F	-		HM01	5 7/8"	A4/A-501			
108		3' - 0"		7' - 0"	HMPF	F	-		HM01	5 7/8"	A4/A-501			
108A		3' - 0"		7' - 0"	HMPF	F	-		HM01	5 7/8"	A4/A-501			CARD READER ACCESS
108B		3' - 0"		7' - 0"	HMPF	F	-		HM01	5 7/8"	A4/A-501			CARD READER ACCESS
109		3' - 0"		7' - 0"	HMPF	-	-		HM01	5 7/8"	A5/ A-501			CASIED OPENING
109A		3' - 0"		7' - 0"	HMPF	F	-	1HR	HM01	5 7/8"	A4/A-501			
110		3' - 0"		7' - 0"	HMPF	F	-	1HR	HM01	5 7/8"	A4/A-501			
110A	•	3' - 0"	3' - 0"	7' - 0"	HMPF	F	-		HM01	5 7/8"	A3/A-501			
111		3' - 0"		7' - 0"	HMPF	F	-		HM01	5 7/8"	A4/A-501			
112	•	3' - 0"	3' - 0"	7' - 0"	HMPF	F	-		HM01	5 7/8"	A3/A-501			
113		3' - 0"		7' - 0"	-	F	-		HM01	1' - 0 7/8"	A3/A-501			FIBERGLASS DOOR, FRP FRAME
113A		3' - 0"		7' - 0"	HMPF	F	-		HM01	1' - 0 7/8"	A3/A-501			CARD READER ACCESS
114		3' - 0"		7' - 0"	-	F	-		HM01	1' - 0 7/8"	A3/A-501			FIBERGLASS DOOR, FRP FRAME
114A		3' - 0"		7' - 0"	HMPF	F	-		HM01	1' - 0 7/8"	A3/A-501			CARD READER ACCESS
116		3' - 0"		7' - 0"	-	N1	G02		HM01	1' - 0 7/8"	A3/A-501			FIBERGLASS DOOR, FRP FRAME
116A		3' - 0"		7' - 0"	HMPF	F	-		HM01	1' - 0 7/8"	A3/A-501			CARD READER ACCESS
116B		3' - 0"		7' - 0"	HMPF	F	-		HM01	5 7/8"	A4/A-501			
AL01	•	3' - 0"	3' - 0"	7' - 2"	-	A1	G02		ALUM					CARD READER ACCESS, STOREFRONT MANUFACTURER
AL01	•	3' - 0"	3' - 0"	7' - 1"	-	A1	G02		ALUM					CARD READER ACCESS, STOREFRONT MANUFACTURER

STANDARD DOOR DETAILS

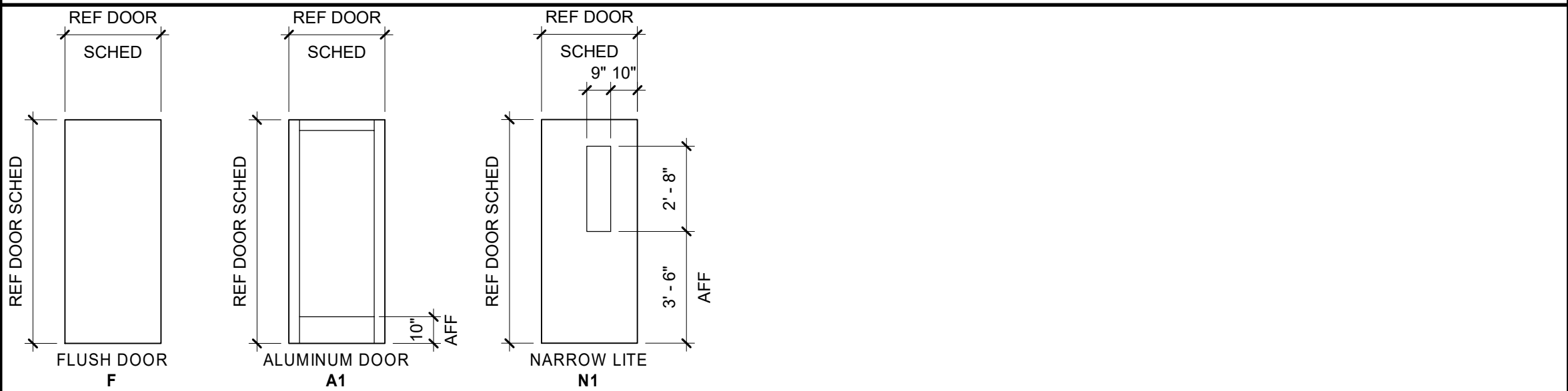


GLAZING SCHEDULE

MARK	TYPE
G02	CLEAR FULLY TEMPERED GLASS

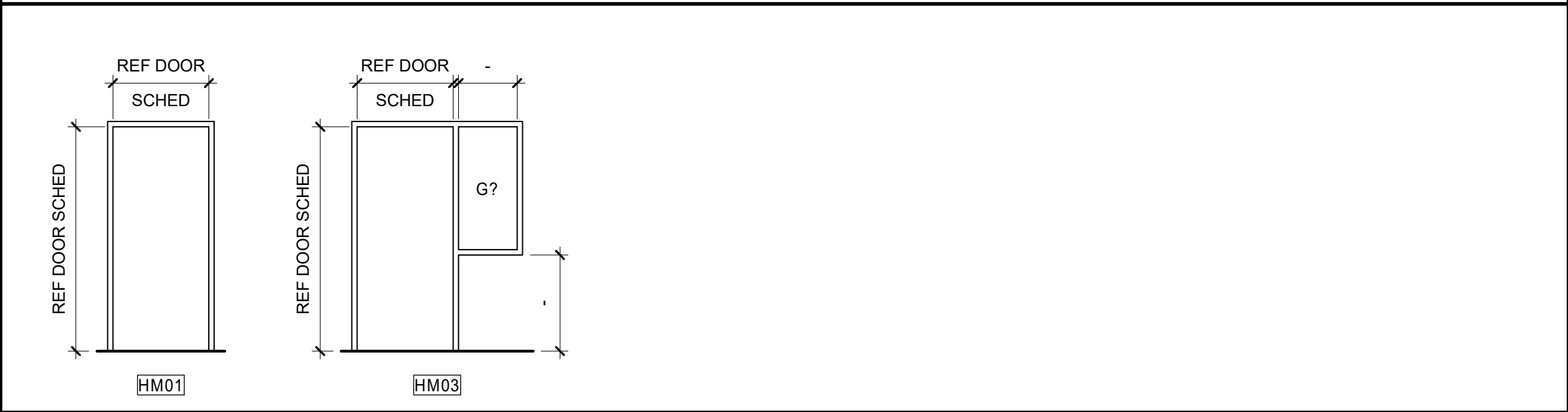
DOOR TYPE SCHEDULE

NOTE: DOOR LITE OPENINGS ARE TO LITE FRAME INTERIOR OPENING (DAYLIGHT OPENING). RIGHT EDGE OF SWING DOOR IS STRIKE EDGE. THIS LEGEND TAKES PRECEDENCE OVER OTHER DRAWINGS.



HOLLOW METAL FRAME SCHEDULE

HM00 NOTE: FRAME FACES ARE 2" UNO



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PROJECT NO.

42058.23

- 10/10/2025 Construction Documents

DATE DESCRIPTION

Door & Glazing
Schedule

A-601

GENERAL NOTES
A. 2" ALUMINUM FRAME SCHEDULE NOTES AS NEEDED.



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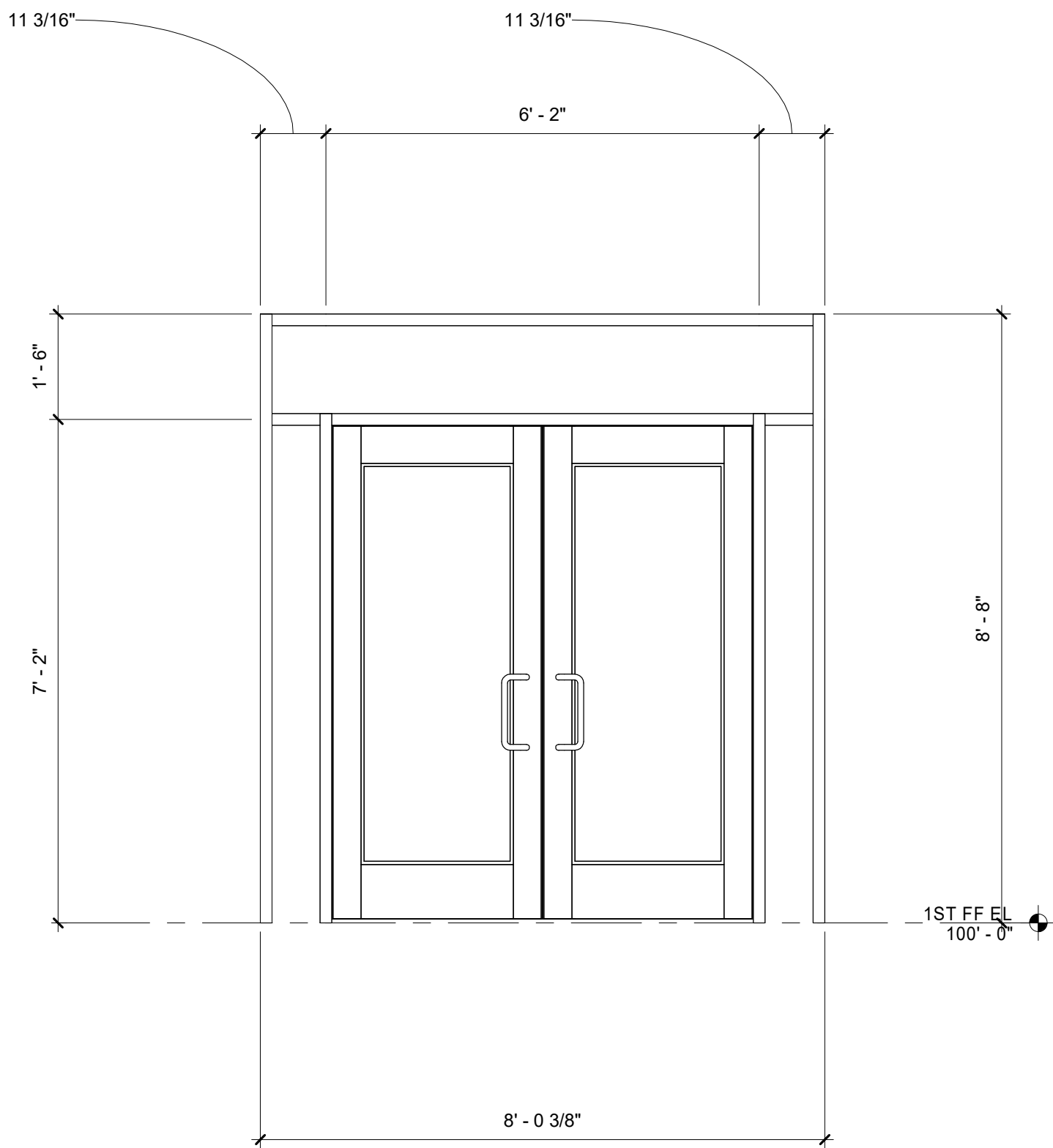
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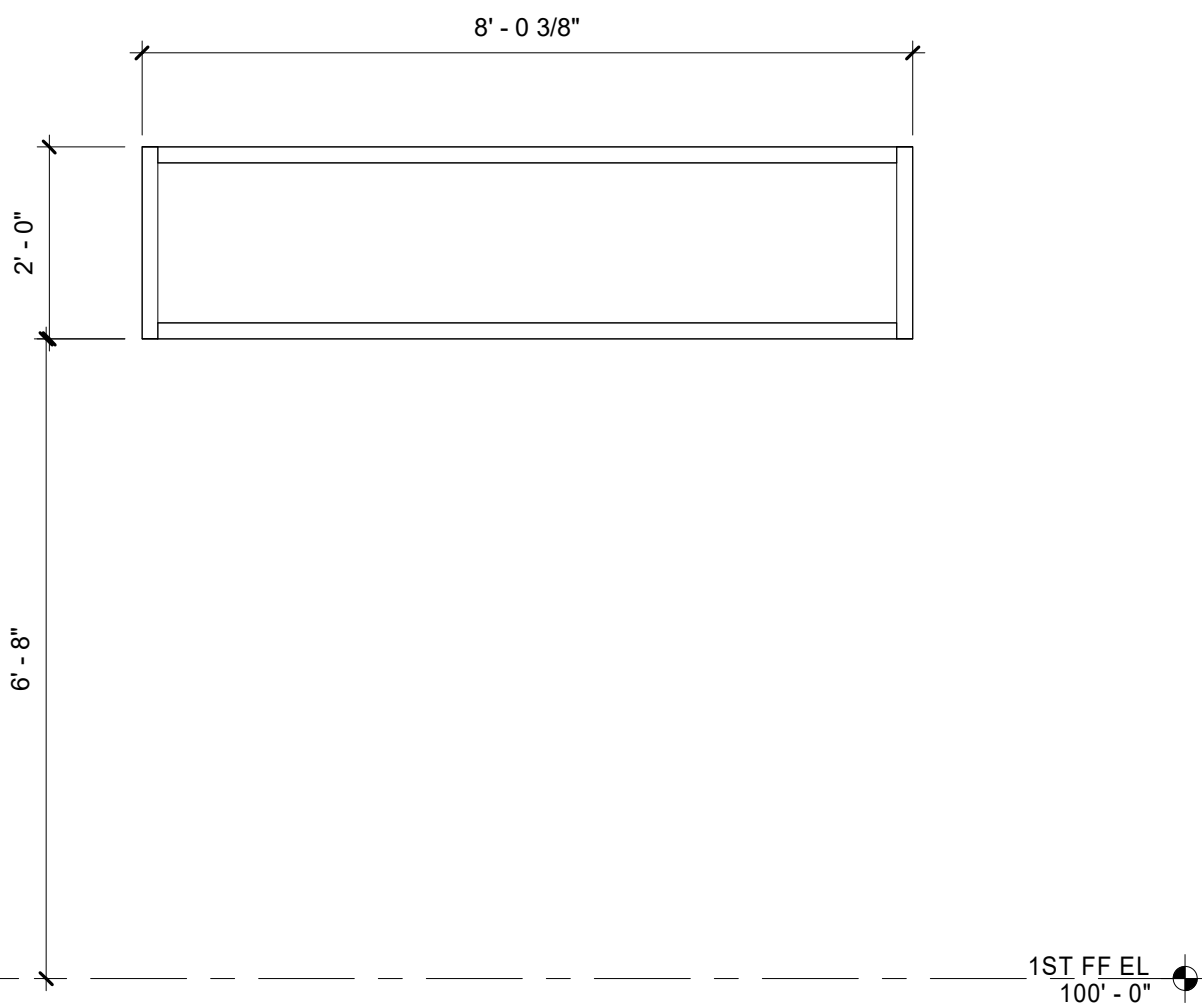
DATE DESCRIPTION

Aluminum Frame
Schedule

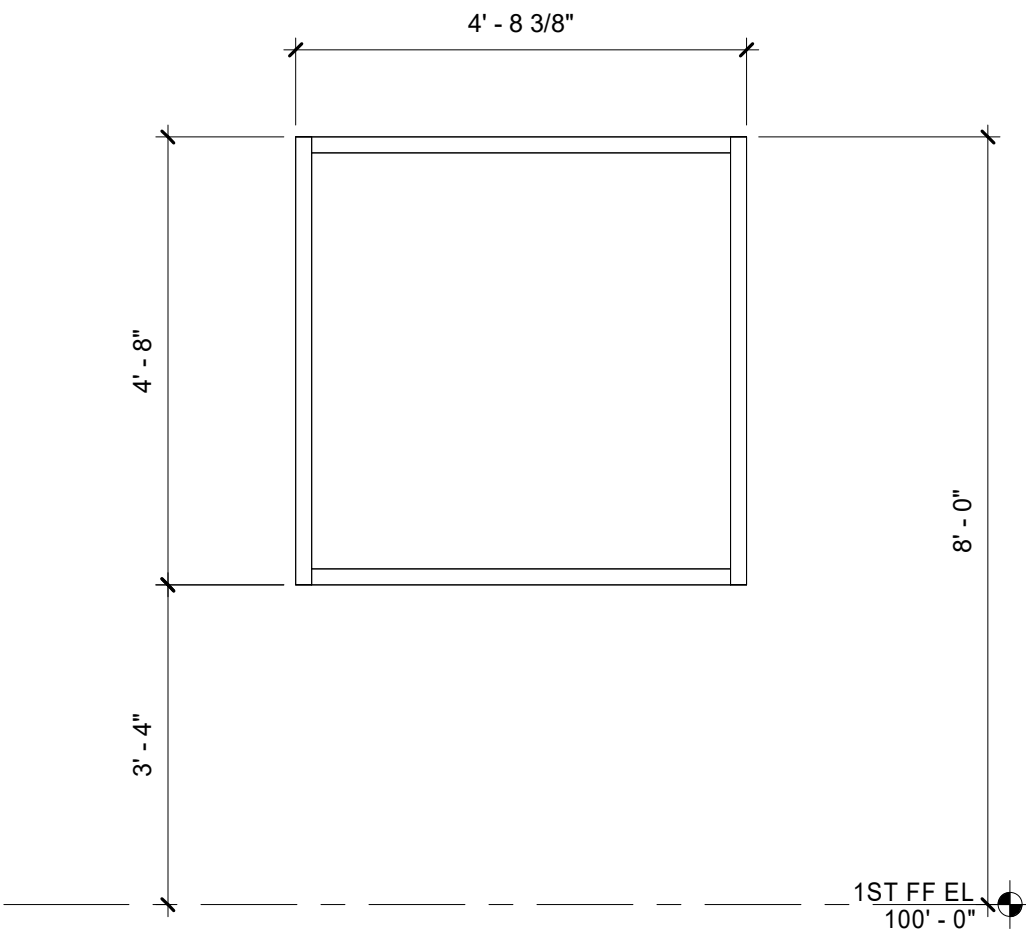
A-605



A1 AL01
1/2" = 1'-0"



A2 AL06
1/2" = 1'-0"



A4 AL10
1/2" = 1'-0"

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INTERIOR MATERIAL ABBREVIATIONS

A	
ACT	ACOUSTICAL TILE CEILING
AWT	ACOUSTICAL WALL TREATMENT
B	
BG	BUMPER GUARD
C	
CB	INTEGRALLY FORMED COVE BASE
CG	CORNER GUARD
CHR	CHAIR RAIL
CPT	CARPET
CT	CERAMIC TILE
CURT	CUBICAL CURTAIN (PRIVACY, STAGE)
D	
DLS	DIMENSIONAL LETTERS
DRS	DOUBLE ROLLER SHADE
E	
EG	ENTRANCE GRILLE
F	
FLS	FLUID APPLIED SPORTS FLOORING
FP	FOLDING PARTITION
FRP	FIBER REINFORCED PLASTIC
FWP	FABRIC WRAPPED PANELS
G	
GLS	ARCHITECTURAL TILE
GLT	GLASS TILE
GF	GLASS FILM
GT	GROUT
H	
HIC	HIGH IMPACT WALLCOVERING
HLB	HORIZONTAL LOUVER BLIND
HPC	HIGH-PERFORMANCE COATING
HR	HANDRAIL
K	
KPI	KICKPLATE
L	
LINO	LINOLEUM
LKR	LOCKER
LVT	LUXURY VINYL TILE
M	
ML	METAL LOCKER
MT	METAL THRESHOLD
MTL	METAL TRANSITION
MTLB	METAL BASE
P	
PB	PAINTED BASE
PC	POLISHED CONCRETE
PF	PLASTIC FABRICATIONS
PLAM	PLASTIC LAMINATE
PMTL	PAINTED METAL
PT	PAINT
Q	
QT	QUARRY TILE
QTZ	QUARTZ SLAB
R	
RACC	RESILIENT ACCESSORY
RB	RESILIENT BASE (VINYL, RUBBER, TP)
RBR	RUBBER (TILE AND SHEET)
RES	RESIN PANEL
RFS	RESILIENT SPORTS FLOORING
RS	POURED RESINOUS FLOORING
RSN	PLASTIC RESIN PANEL
RVL	REVEAL
S	
SCN	SEALED CONCRETE
SCB	SELF COVE BASE
SDT	STATIC DISSAPATIVE TILE
SGN	SIGNAGE
SP	SHOWER PAN
SRP	SLIP RESISTANT PROTECTIVE FLOORING
SRS	SINGLE ROLLER SHADE
SSM	SOLID SURFACE MATERIAL
SST	STAINLESS STEEL
SWS	SPECIAL WALL SURFACES
SV	SHEET VINYL
T	
TC	TOILET COMPARTMENTS
TER	TERRAZZO
TKBD	TACKBOARD
TPF	TRANSPARENT FINISH
TS	TRANSITION STRIP
V	
VCT	VINYL COMPOSITION TILE
VWC	VINYL WALL COVERING
W	
WD	WOOD DOOR
WDF	WOOD FLOORING
WPC	WOOD PANEL CEILING

GENERAL NOTES

- A. THE INTERIOR MATERIAL LEGEND LISTS THE COLORS, PATTERNS AND TEXTURES REQUIRED FOR INTERIOR FINISHES, INCLUDING BOTH FACTORY APPLIED COLORS THAT ARE EXPOSED TO VIEW IN THE FINISHED CONSTRUCTION. SPECIFIC LOCATIONS WHERE THE VARIOUS MATERIALS ARE REQUIRED ARE INDICATED IN DRAWING. WHEN COLOR IS NOT DESIGNATED FOR ITEMS, THE CONTRACTOR SHALL ASK FOR A COLOR SELECTION.
- B. ALL DISSIMILAR FLOORING SHALL BE TERMINATED IN THE CENTERLINE OF THE DOOR UNO, AND WITH AN ADA COMPLIANT TRANSITION IN HEIGHT REQUIRED TO ACCOMMODATE HEIGHT OF MATERIAL AS SPECIFIED IN THE PROJECT MANUAL.
- C. CEILING COLORS SHALL APPLY TO CEILING SURFACES INCLUDING SOFFITS, FURRED DOWN AREAS, GRILLES, DIFFUSERS, REGISTERS, AND ACCESS PANELS. CEILING COLOR SHALL ALSO APPLY TO JOIST CONDUIT AND PIPING WHERE JOISTS AND DECK ARE EXPOSED AND REQUIRED TO BE PAINTED.

WALL FINISH LEGEND

1	MECHANICAL ROOM				
	PAINT ABOVE			PT1	
	PARTIAL HEIGHT HIC FROM TOP OF BASE			HIC1	
	TO FULL 4'-0" PANEL				
2	RESTROOMS				
	PAINT ABOVE			PT3	
	PARTIAL HEIGHT HIC FROM TOP OF RESINOUS COVE			HIC2	
	BASE TO 4'-8" AFF				
3	EXAM/BATHING - FULL HEIGHT PANELS				
	FULL HEIGHT HIC INSTALL FROM TOP OF RESINOUS			HIC2	
	COVE BASE TO CEILING				

GENERAL FINISH NOTES

- FLOORS:
- A. FLOOR FINISHES PER FLOOR FINISH PLAN.
- BASE:
- A. BASE SHALL BE (RB1) UNO.
- B. WHERE RESINOUS FLOORING IS SCHEDULED, BASE SHALL BE (CB1). COVE MATERIAL UP WALL 8" AND TERMINATE WITH METAL TRIM. WALL FINISHES SHALL BEGIN AT METAL END CAP.
- C. WHERE FRP IS INDICATED TO BE INSTALLED TO FLOOR; CAULK JOINT FROM FLOOR TO WALL FINISH.
- WALLS:
- A. ALL WALLS SHALL BE PAINTED (PT1) UNO.
- B. RESTROOM WALLS REFERENCE WALL FINISH PLAN FOR MORE INFORMATION.
- C. ALL CMU WALLS SHALL RECEIVE EPOXY PAINT FINISH PER SPECIFICATION.
- D. ALL SHOWER WALLS SHALL RECEIVE FLOOR TO CEILING (SWS2).
- E. 102 LOCKER ROOM SHALL HAVE EPOXY PAINT ON ALL WALLS.
- F. WATER FOUNTAIN SHALL HAVE FULL HEIGHT HIGH IMPACT WALL PROTECTION INSTALLED FROM TOP OF BASE ; SELECTION PER PLANS.
- CEILINGS:
- A. ACOUSTICAL CEILING SHALL BE (ACT1) UNO.
- B. DRYWALL CEILINGS SHALL BE PAINTED (PT1) UNO.
- C. EXPOSED DECK, MECHANICAL DUCTWORK, GRILLS, AND ELECTRICAL CONDUIT SHALL BE PAINTED (PT1) .
- D. EXPOSED TUBE STEEL SHALL BE PAINTED (PT1).
- MILLWORK:
- A. UPPER AND LOWER MILLWORK SHALL BE (PLAM1).
- B. COUNTERTOPS SHALL BE (SSM1) UNO.
- C. SQUAD ROOM (113) SHALL RECEIVE (PLAM2) COUNTERTOPS.
- MISCELLANEOUS:
- A. DOOR AND WINDOW TRIM SHALL BE (PT2).
- B. PAINTED DOORS SHALL BE (PT2). EXTERIOR OF DOORS SHALL BE PAINTED TO MATCH ADJACENT EXTERIOR FINISH.
- C. WINDOW STOOLS SHALL BE (SSM1).
- D. REFERENCE DOOR SCHEDULE FOR LOCATION OF FRP DOORS.

INTERIOR MATERIAL LEGEND						
	MARK	DESCRIPTION	MANUFACTURER	STYLE/COLLECTION	COLOR	REMARKS
06 41 16 - PLASTIC LAMINATE CLAD ARCHITECTURAL CABINETS						
	PLAM1	PLASTIC LAMINATE	WILSONART		7960K-18 STUDIO TEAK	
08 14 23.16 WOOD DOORS						
	WD1	PLASTIC LAMINATE DOORS	VT INDUSTRIES		MATCH TO (PLAM1)	
08 17 43 FRP/ HYBRID DOORS						
	FRP1	FIBERGLASS DOORS	SPECIAL LITE		5576 DARK BRONZE	SMOOTH FINISH
09 51 23 - ACOUSTIC TILE CEILINGS						
	ACT1	ACOUSTIC CEILING TILE (FIELD)	ARMSTRONG CEILINGS	CORTEGA	WHITE	
		SIZE	24" X 48"			
09 65 13 - RESILIENT BASE AND ACCESSORIES						
	RB1	RESILIENT BASE	ROPPE		110 BROWN	
		PROFILE	4" WITH TOE			
	RACC1	RESILIENT TRANSITION	ROPPE		110 BROWN	ALL DISIMILAR MATERIALS
09 65 19 - RESILIENT TILE FLOORING						
	LVT1	LUXURY VINYL FLOORING	MOHAWK	HOT & HEAVY II SECOYA 5.0 C2104	872 TOASTED OAK	
	SDT1	STATIC DISSAPATIVE TILE	VPI ESD TILE	STATIC CONTROL FLOORING	16 CLOUD	
		12" X 12"				
09 67 23 - DECORATIVE QUARTZ FLOORING						
	RS1	RESINOUS FLOORING	SHERWIN WILLIAMS	RESUFLOL DECO QUARTZ	BC23 WARM BEACH	1/8" THICKNESS
	CB1	INTEGRALLY FORMED COVED BASE	SHERWIN WILLIAMS	(RS1)		METAL CAP, COVED 8" UP WALL
09 91 23 - INTERIOR PAINTING						
	PT1	PAINT	SHERWIN WILLIAMS		7567 NATURAL TAN	FIELD PAINT
	PT2	PAINT (ACCENT)	SHERWIN WILLIAMS		9175 DEEP FOREST BROWN	DOOR FRAMES
	PT3	PAINT (EPOXY)	SHERWIN WILLIAMS		MATCH TO (PT1)	
	SCN1	SEALED CONCRETE	SHERWIN WILLIAMS		CLEAR	
10 26 00 - WALL AND DOOR PROTECTION						
	HIC1	HIGH IMPACT WALL COVERING	INPRO	CONTINUUM	0384 NATURAL WHITE	
	HIC2	HIGH IMPACT WALL COVERING	INPRO	ROUTED CONTINUUM SUBWAY	RIVER ROCK ON NATURAL WHITE	
10 51 13 - METAL LOCKERS						
	ML1	METAL LOCKER	REPUBLIC		23 CLASSIC TAN	
12 24 13 - ROLLER WINDOW SHADES						
	SRS1	SINGLE ROLLER SHADE	DRAPER	SHADE 1: MERMET M SCREEN 3%	008503/ 00M166 LINEN/SABLE-COCOA	FASCIA FINISH: ANNODIZED ALUMINUM
12 36 23.13 - PLASTIC LAMINATE CLAD COUNTERTOPS						
	PLAM2	PLASTIC LAMINATE	WILSONART		4588-60 KALAHARI TOPAZ	
10 21 16 - SOLID SURFACE SHOWER RECEPTORS AND WALLS						
	SP1	SHOWER PAN	INPRO	PRISM SOLID SURFACE RECEPTOR	P9009 BONE	ALL SHOWER PANS
	SWS2	SPECIAL WALL SURFACES	INPRO	PRISM SOLID SURFACE WALL PANELS	P9002 WHITE SAND	ALL SHOWER WALLS - FULL HEIGHT
12 36 61.16 - SOLID SURFACING COUNTERTOPS						
	SSM1	SOLID SURFACE MATERIAL	LX HAUSYS	HI-MACS	R943 SIMPLICITY	SOLID SURFACE COUNTERTOP
	SSM2	SOLID SURFACE MATERIAL	LX HAUSYS	HI-MACS	S009 CREAM	SOLID SURFACE BOWL 1715
12 48 16 - ENTRANCE GRILLE						
	EG1	ENTRANCE GRILLE (Alternate #1)	HENDRICK ARCHITECTURAL	B-12S PROFILE BAR WITH ALTERNAT ANTI-SLIP	COATED ON ALTERNATING PROFILE BARS	1/8" SLOT



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PROJECT NO.

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DATE DESCRIPTION

Interior Legends & Abbreviations

I-001

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A1 FIRST FLOOR - FLOOR FINISH PLAN
1/8" = 1'-0"



0 4' 8' 16'



GENERAL NOTES

- A. VERIFY AND COORDINATE DIMENSIONAL DISCREPANCIES (NEW AND EXISTING) FROM THIS PLAN WITH THE INTERIOR DESIGNER PRIOR TO CONSTRUCTION.
- B. MATERIALS TO REMAIN SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. PATCH AND REPAIR ALL ADJACENT WALLS, FLOORS, AND BASE TO MATCH EXISTING WHERE DEMOLITION OR DAMAGE OCCURS. NEW FINISHES SHALL MATCH THE ADJACENT FLOOR, AND BASE, IN TEXTURE, PATTERN, AND COLOR. INTERIOR DESIGNER SHALL APPROVE FINAL WORK.
- C. PREPARE SUBSTRATES TO RECEIVE NEW FINISHES PER MFR'S GUIDELINES.
- D. REFERENCE INTERIOR MATERIAL LEGEND FOR LIST OF COLORS, PATTERNS AND TEXTURES REQUIRED FOR INTERIOR FINISHES INCLUDING BOTH FACTORY APPLIED COLORS THAT ARE EXPOSED TO VIEW IN THE FINISHED CONSTRUCTION. WHEN COLOR IS NOT DESIGNATED FOR ITEMS, THE CONTRACTOR SHALL ASK FOR A COLOR SELECTION.
- E. ALL DISSIMILAR FLOORING SHALL BE TERMINATED IN THE CENTERLINE OF THE DOOR UNO, AND WITH AN ADA COMPLIANT TRANSITION IN HEIGHT REQUIRED TO ACCOMMODATE HEIGHT OF MATERIAL AS SPECIFIED IN THE PROJECT MANUAL.
- F. LENGTH OF FLOORING PRODUCT SHALL BE INSTALLED AS INDICATED BY THE DIRECTION OF ARROWS UNO.

GENERAL FINISH NOTES

- FLOORS:**
- A. FLOOR FINISHES PER FLOOR FINISH PLAN.
- BASE:**
- A. BASE SHALL BE (RB1) UNO.
 - B. WHERE RESINOUS FLOORING IS SCHEDULED, BASE SHALL BE (CB1). COVE MATERIAL UP WALL 8" AND TERMINATE WITH METAL TRIM. WALL FINISHES SHALL BEGIN AT METAL END CAP.
 - C. WHERE FRP IS INDICATED TO BE INSTALLED TO FLOOR, CAULK JOINT FROM FLOOR TO WALL FINISH.
- WALLS:**
- A. ALL WALLS SHALL BE PAINTED (PT1) UNO.
 - B. RESTROOM WALLS REFERENCE WALL FINISH PLAN FOR MORE INFORMATION.
 - C. ALL CMU WALLS SHALL RECEIVE EPOXY PAINT FINISH PER SPECIFICATION.
 - D. ALL SHOWER WALLS SHALL RECEIVE FLOOR TO CEILING (SWS2).
 - E. 102 LOCKER ROOM SHALL HAVE EPOXY PAINT ON ALL WALLS.
 - F. WATER FOUNTAIN SHALL HAVE FULL HEIGHT HIGH IMPACT WALL PROTECTION INSTALLED FROM TOP OF BASE ; SELECTION PER PLANS.
- CEILINGS:**
- A. ACOUSTICAL CEILING SHALL BE (ACT1) UNO.
 - B. DRYWALL CEILINGS SHALL BE PAINTED (PT1) UNO.
 - C. EXPOSED DECK, MECHANICAL DUCTWORK, GRILLS, AND ELECTRICAL CONDUIT SHALL BE PAINTED (PT1).
 - D. EXPOSED TUBE STEEL SHALL BE PAINTED (PT1).
- MILLWORK:**
- A. UPPER AND LOWER MILLWORK SHALL BE (PLAM1).
 - B. COUNTERTOPS SHALL BE (SSM1) UNO.
 - C. SQUAD ROOM (113) SHALL RECEIVE (PLAM2) COUNTERTOPS.
- MISCELLANEOUS:**
- A. DOOR AND WINDOW TRIM SHALL BE (PT2).
 - B. PAINTED DOORS SHALL BE (PT2). EXTERIOR OF DOORS SHALL BE PAINTED TO MATCH ADJACENT EXTERIOR FINISH.
 - C. WINDOW STOOLS SHALL BE (SSM1).
 - D. REFERENCE DOOR SCHEDULE FOR LOCATION OF FRP DOORS.

ALTERNATE LIST

- ☐ BASE BID INTERIOR FINISH MATERIALS
- ☒ ALTERNATE # 1 - RECESSED ENTRANCE GRILLS.

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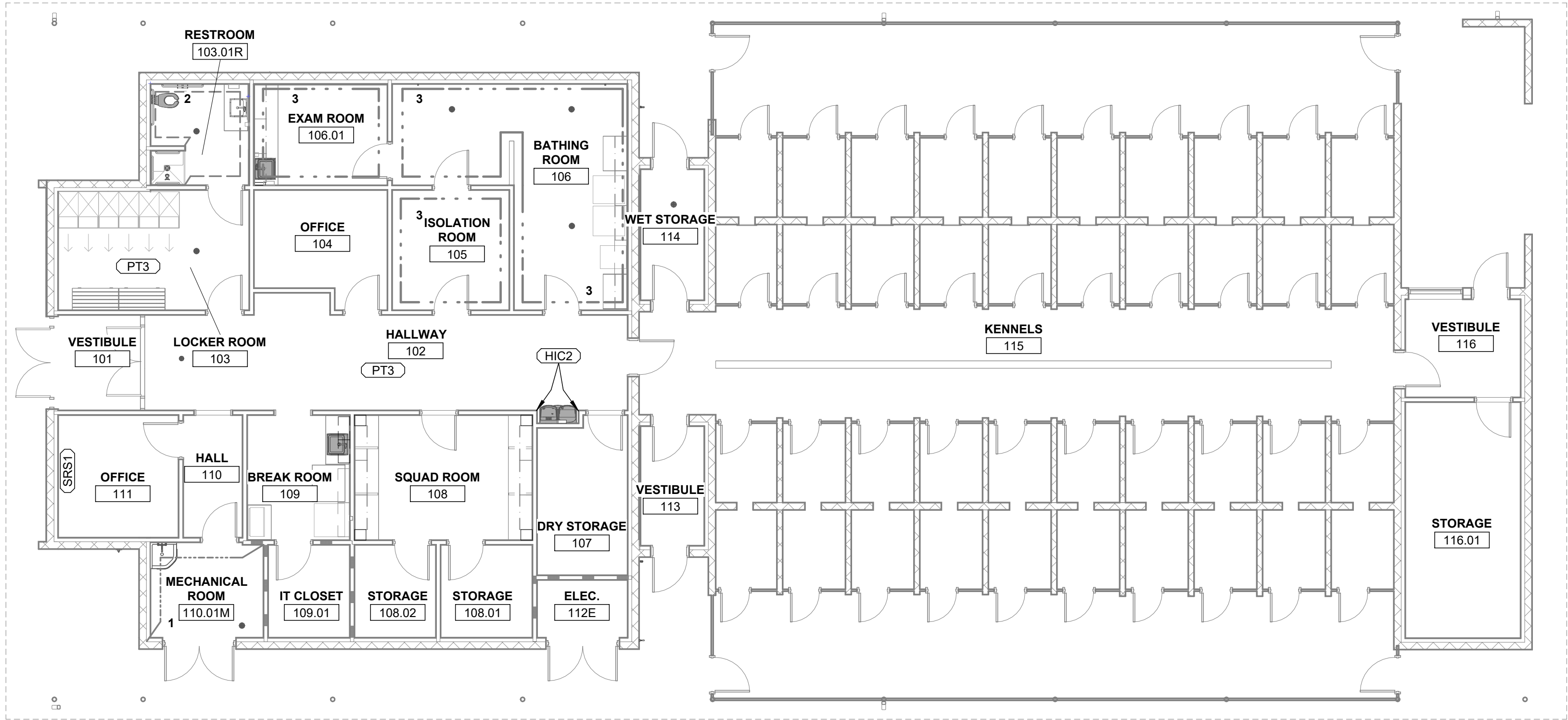
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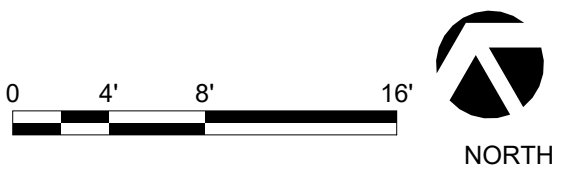
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42058.23	
- 08/29/2025 Construction Documents	
#	DATE DESCRIPTION

Floor Finish
Plans - First Floor
I-111

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A1 FIRST FLOOR - WALL FINISH PLAN
1/8" = 1'-0"



GENERAL NOTES

- A. REFERENCE THE INTERIOR MATERIAL LEGEND FOR THE COLORS, PATTERNS AND TEXTURES REQUIRED FOR INTERIOR FINISHES, INCLUDING BOTH FACTORY APPLIED COLORS THAT ARE EXPOSED TO VIEW IN THE FINISHED CONSTRUCTION. WHEN COLOR IS NOT DESIGNATED FOR ITEMS, THE CONTRACTOR SHALL ASK FOR A COLOR SELECTION.
- B. REFERENCE INTERIOR ELEVATIONS FOR CLARIFICATION OF WALL FINISHES.

GENERAL FINISH NOTES

- FLOORS:**
- A. FLOOR FINISHES PER FLOOR FINISH PLAN.

- BASE:**
- A. BASE SHALL BE (RB1) UNO.
- B. WHERE RESINOUS FLOORING IS SCHEDULED, BASE SHALL BE (CB1). COVE MATERIAL UP WALL 8" AND TERMINATE WITH METAL TRIM. WALL FINISHES SHALL BEGIN AT METAL END CAP.
- C. WHERE FRP IS INDICATED TO BE INSTALLED TO FLOOR; CAULK JOINT FROM FLOOR TO WALL FINISH.

- WALLS:**
- A. ALL WALLS SHALL BE PAINTED (PT1) UNO.
- B. RESTROOM WALLS REFERENCE WALL FINISH PLAN FOR MORE INFORMATION.
- C. ALL CMU WALLS SHALL RECEIVE EPOXY PAINT FINISH PER SPECIFICATION.
- D. ALL SHOWER WALLS SHALL RECEIVE FLOOR TO CEILING (SWS2).
- E. 102 LOCKER ROOM SHALL HAVE EPOXY PAINT ON ALL WALLS.
- F. WATER FOUNTAIN SHALL HAVE FULL HEIGHT HIGH IMPACT WALL PROTECTION INSTALLED FROM TOP OF BASE ; SELECTION PER PLANS.

- CEILINGS:**
- A. ACOUSTICAL CEILING SHALL BE (ACT1) UNO.
- B. DRYWALL CEILINGS SHALL BE PAINTED (PT1) UNO.
- C. EXPOSED DECK, MECHANICAL DUCTWORK, GRILLS, AND ELECTRICAL CONDUIT SHALL BE PAINTED (PT1) .
- D. EXPOSED TUBE STEEL SHALL BE PAINTED (PT1).

- MILLWORK:**
- A. UPPER AND LOWER MILLWORK SHALL BE (PLAM1).
- B. COUNTERTOPS SHALL BE (SSM1) UNO.
- C. SQUAD ROOM (113) SHALL RECEIVE (PLAM2) COUNTERTOPS.

- MISCELLANEOUS:**
- A. DOOR AND WINDOW TRIM SHALL BE (PT2).
- B. PAINTED DOORS SHALL BE (PT2). EXTERIOR OF DOORS SHALL BE PAINTED TO MATCH ADJACENT EXTERIOR FINISH.
- C. WINDOW STOOLS SHALL BE (SSM1).
- D. REFERENCE DOOR SCHEDULE FOR LOCATION OF FRP DOORS.

WALL FINISH LEGEND

1	MECHANICAL ROOM	
	PAINT ABOVE PARTIAL HEIGHT HIC FROM TOP OF BASE TO FULL 4'-0" PANEL	PT1 HIC1
2	RESTROOMS	
	PAINT ABOVE PARTIAL HEIGHT HIC FROM TOP OF RESINOUS COVE BASE TO 4'-8" AFF	PT3 HIC2
3	EXAM/BATHING - FULL HEIGHT PANELS	
	FULL HEIGHT HIC INSTALL FROM TOP OF RESINOUS COVE BASE TO CEILING	HIC2

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- 08/29/2025 Construction Documents

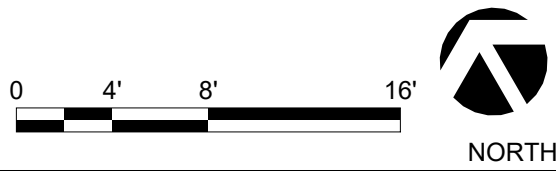
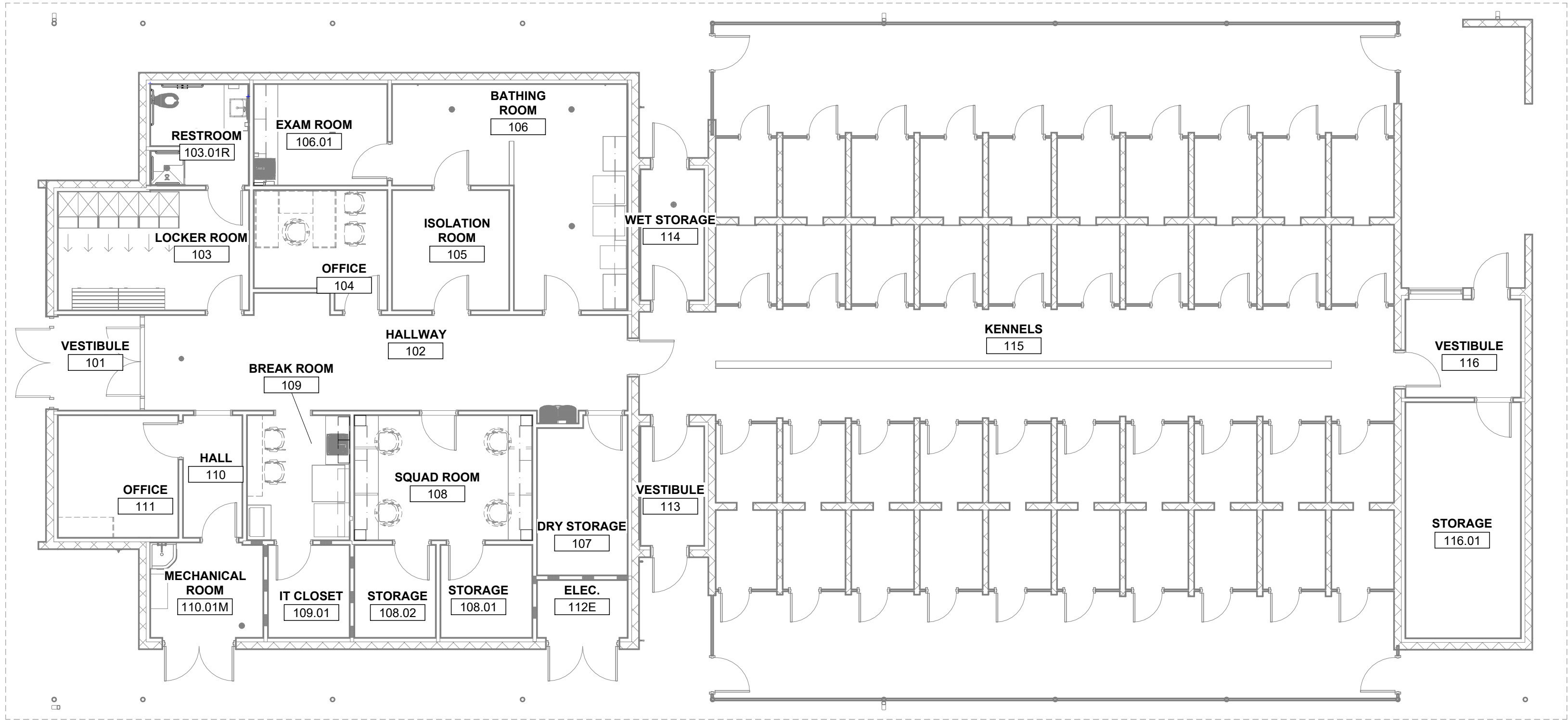
DATE DESCRIPTION

Wall Finish Plan -
First Floor

I-121

R:\24 10/10/2025 11:02:49 AM

A1 FIRST FLOOR - FURNITURE PLAN
1/8" = 1'-0"



GENERAL NOTES

- A. FURNITURE SHOWN DASHED IS OWNER PROVIDED AND NOT IN SCOPE. IT IS SHOWN FOR POWER AND DATA LOCATIONS AND COORDINATION PURPOSES ONLY.



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**Williamson County Canine
Training Facility**
Texas Highway Patrol Canine Training and
Housing Facility



CLIENT
Department of Public Safety

810 County Road 240 Florence, TX
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PROJECT NO.
42058.23

- 08/29/2025 Construction Documents
DATE DESCRIPTION

**Furniture Plan -
First Floor**

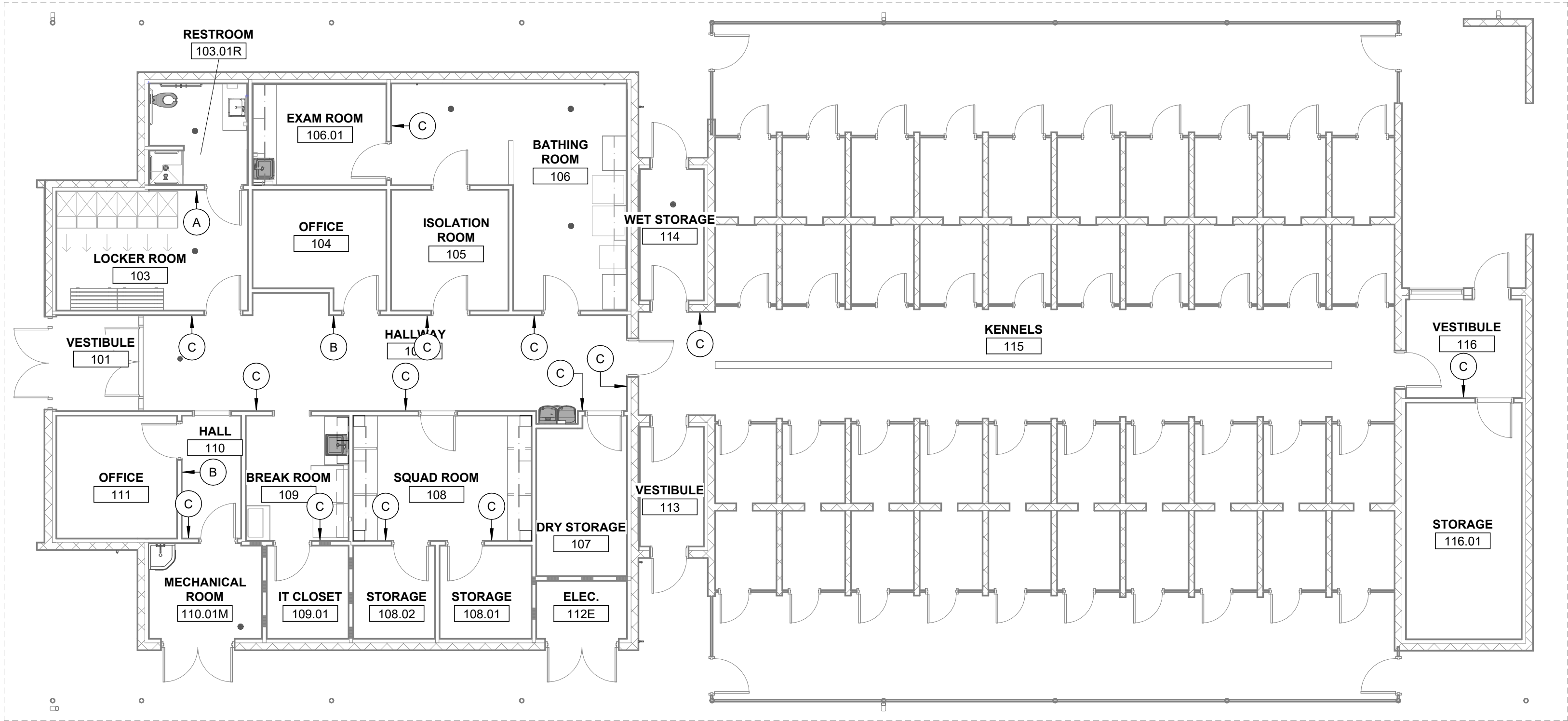
I-131

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GENERAL NOTES

- A. OWNER TO PROVIDE AND/OR CONFIRM SIGNAGE TEXT.
B. ALL SIGNAGE MUST CONFORM TO ADA STANDARDS.

Plan Number	Plan Name	Desire Sign?	Sign Type	Sign Number	Sign Text
101	VESTIBULE	NO	-	-	-
102	HALLWAY	NO	-	-	-
103	LOCKER ROOM	YES	TYPE C	103	LOCKER ROOM
103.01R	RESTROOM	YES	TYPE A	103.01R	RESTROOM
104	OFFICE	YES	TYPE B	104	OFFICE
105	ISOLATION ROOM	YES	TYPE C	105	ISOLATION ROOM
106	BATHING ROOM	YES	TYPE C	106	BATHING ROOM
106.01	EXAM ROOM	YES	TYPE C	106.01	EXAM ROOM
107	DRY STORAGE	YES	TYPE C	107	DRY STORAGE
108	SQUAD ROOM	YES	TYPE C	108	SQUAD ROOM
108.01	STORAGE	YES	TYPE C	108.01	STORAGE
108.02	STORAGE	YES	TYPE C	108.02	STORAGE
109	BREAK ROOM	YES	TYPE C	109	BREAK ROOM
109.01	IT CLOSET	YES	TYPE C	109.01	IT CLOSET
110	HALL	NO	-	-	-
110.01M	MECHANICAL ROOM	YES	TYPE C	110.01M	MECHANICAL ROOM
111	OFFICE	YES	TYPE B	111	OFFICE
112E	ELECTRICAL	YES	TYPE C	112E	ELEC.
113	VESTIBULE	NO	-	-	-
114	WET STORAGE	YES	TYPE C	114	WET STORAGE
115	KENNELS	YES	TYPE C	115	KENNELS
116	VESTIBULE	NO	-	-	-
116.01	STORAGE	YES	TYPE C	116.01	MECHANICAL ROOM

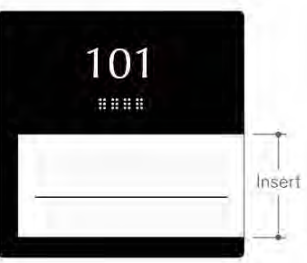


SIGN TYPE:



TYPE A

ADD ROOM
NUMBER TO
SIGN



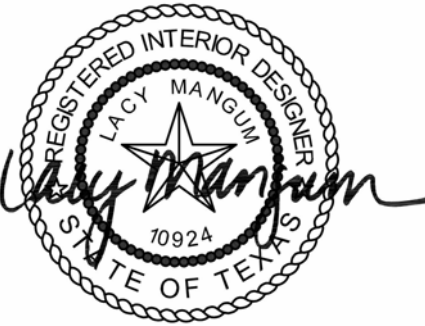
TYPE B



TYPE C

ADD ROOM
NUMBER TO
SIGN

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Signage Plan-
First Floor

I-141

A1 FIRST FLOOR - SIGNAGE PLAN
1/8" = 1'-0"

0 4' 8' 16'



DUCTWORK SYMBOLS	
	MANUAL BALANCING DAMPER
	CEILING MOUNTED SUPPLY GRILLE
	CEILING MOUNTED RETURN GRILLE
	CEILING MOUNTED EXHAUST GRILLE
	WALL MOUNTED SUPPLY GRILLE
	WALL MOUNTED RETURN / EXHAUST GRILLE
	FIRE / SMOKE DAMPER
	FIRE DAMPER
	SMOKE DAMPER
	LINED RETURN DUCT
	SUPPLY DUCT TURNED UP
	SUPPLY DUCT TURNED DOWN
	RETURN DUCT TURNED UP
	RETURN DUCT TURNED DOWN
	EXHAUST DUCT TURNED UP
	EXHAUST DUCT TURNED DOWN
	ROUND DUCT TURNED UP
	ROUND DUCT TURNED DOWN
	THERMOSTAT
	HUMIDISTAT
	SENSOR
	FLEXIBLE CONNECTION
	FLEX DUCT
	CONNECT TO EXISTING
	POINT OF DISCONNECT

MECHANICAL SYMBOLS	
	AUTOMATIC AIR VENT
	MANUAL AIR VENT
	P/T PLUG
	VENTURI FLOW METER
	AUTOMATIC FLOW CONTROL
	BUTTERFLY VALVE
	BALL VALVE
	CHECK VALVE
	GLOBE VALVE
	GATE VALVE
	ANGLE GATE VALVE
	PRESSURE REDUCING VALVE
	AUTOMATIC VALVE, 2-WAY
	AUTOMATIC VALVE, 3-WAY
	FLANGE
	UNION
	STRAINER
	GAS METER
	ELECTRIC MOTOR
	CENTRIFUGAL FAN
	THERMOMETER
	EXPANSION VALVE
	FLOW SWITCH
	PRESSURE SWITCH
	PUMP

MECHANICAL PIPING LEGEND	
—CHS—	CHILLED WATER SUPPLY
—CHR—	CHILLED WATER RETURN
—HWS—	HEATING WATER SUPPLY
—HWR—	HEATING WATER RETURN
—CS—	CONDENSATE WATER SUPPLY
—CR—	CONDENSATE WATER RETURN
—CD—	CONDENSATE DRAIN
—R—	REFRIGERANT LIQUID & SUCTION
	FLUID FLOW DIRECTION
	PIPE TURNED UP
	PIPE TURNED DOWN

MECHANICAL ABBREVIATIONS

A A/C AVG AFF	AIR CONDITIONING AVERAGE ABOVE FINISHED FLOOR
B BOJ BTUH MBU	BOTTOM OF JOIST BRITISH THERMAL UNIT PER HOUR BRITISH THERMAL UNIT DIVIDED BY 1,000
C CFM CHR CHS CR CS	CUBIC FEET PER MINUTE CHILLED WATER RETURN PIPING CHILLED WATER SUPPLY PIPING CONDENSING WATER RETURN PIPING CONDENSING WATER SUPPLY PIPING
D DEG °F DIA ID OD DDC DB	DEGREE DEGREES FAHRENHEIT DIAMETER DIAMETER, INSIDE DIAMETER, OUTSIDE DIRECT DIGITAL CONTROLS DRY BULB TEMPERATURE
E EER EAT EWT EA ET ESP	ENERGY EFFICIENCY RATIO ENTERING AIR TEMPERATURE ENTERING WATER TEMPERATURE EXHAUST AIR EXPANSION TANK EXTERNAL STATIC PRESSURE
F FT FPI FD FSD FO	FEET FINS PER INCH FIRE DAMPER FIRE/SMOKE DAMPER FLAT OVAL
G GAL GPD GPH GPM GBD	GALLONS GALLONS PER DAY GALLONS PER HOUR GALLONS PER MINUTE GRAVITY BACKDRAFT DAMPER
H HWP HWR HWS HP HUM	HEATING WATER PUMP HEATING WATER RETURN PIPING HEATING WATER SUPPLY PIPING HORSEPOWER HUMIDITY
I IN inHG inH2O IAQ	INCHES INCHES OF MERCURY INCHES OF WATER INDOOR AIR QUALITY
J NOT USED	
K KW	KILOWATT
L LAT LWT	LEAVING AIR TEMPERATURES LEAVING WATER TEMPERATURES
M MBD MAT	MANUAL BALANCING DAMPER MIXED AIR TEMPERATURE
N NC NO	NORMALLY CLOSED NORMALLY OPEN
O OA OAT	OUTSIDE AIR OUTSIDE AIR TEMPERATURE
P PH LBS LBS/HR PSI PRV	PHASE POUNDS POUNDS PER HOUR POUNDS PER SQUARE INCH PRESSURE REDUCED VALVE
Q NOT USED	
R RL RS RPZ RH RA RPM	REFRIGERANT LIQUID REFRIGERANT SUCTION REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY RELATIVE HUMIDITY RELIEF AIR REVOLUTIONS PER MINUTE
S SEER SH SHR SD SQ.FT. SP	SEASONAL ENERGY EFFICIENCY RATIO SENSIBLE HEAT SENSIBLE HEAT RATIO SMOKE DAMPER SQUARE FEET STATIC PRESSURE
T T&P K R TOJ TDH TSP	TEMPERATURE AND PRESSURE VALVE THERMAL CONDUCTIVITY THERMAL RESISTANCE TOP OF JOIST TOTAL DYNAMIC HEAD TOTAL STATIC PRESSURE
U UF UG U	UNDERFLOOR UNDERGROUND U-FACTOR, HEAT TRANSFER COEFFICIENT
V VAV VFD VEL V	VARIABLE AIR VOLUME VARIABLE FREQUENCY DRIVE VELOCITY VOLTS
W WB	WET BULB TEMPERATURE

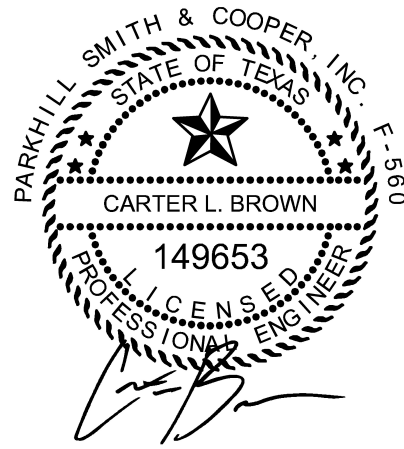
GENERAL NOTES

- GENERAL NOTES ON THIS SHEET ARE APPLICABLE TO EACH MECHANICAL DRAWING OF THIS SET OF CONSTRUCTION DOCUMENTS. NOTES SPECIFIC TO INDIVIDUAL MECHANICAL DRAWINGS WILL BE SHOWN ON THE RESPECTIVE MECHANICAL DRAWING.
- THE CONTRACTOR SHALL PROVIDE A COMPLETE HVAC SYSTEM TO INCLUDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT FOR A COMPLETE AND FUNCTIONAL SYSTEM INCLUDING ALL NECESSARY APPURTENANCES CUSTOMARILY INCLUDED IF NOT SPECIFICALLY CALLED OUT.
- ENTIRE INSTALLATION, INCLUDING MATERIALS, EQUIPMENT AND WORKMANSHIP SHALL CONFORM WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS.
- THIS PROJECT SHALL CONFORM TO APPLICABLE ASHRAE, NFPA AND SMACNA STANDARDS AND OTHER REGULATORY BODIES HAVING JURISDICTION OVER THE CLASS OF WORK.
- MATERIAL AND EQUIPMENT SHALL HAVE STAMPS OR SEALS OF AHRI, ASME, UL OR ASTM.
- THE CONTRACTOR SHALL MAKE TESTS FOR ACCEPTANCE AND APPROVAL AS REQUIRED BY CODE AND THE REQUIREMENTS OF APPLICABLE REGULATORY AGENCIES. REQUIRED TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER OF RECORD AND/OR OWNER UNLESS OTHERWISE WAIVED IN WRITING.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES, DOCUMENTS AND SERVICES RELATED TO INSTALLATION OF THE WORK.
- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE OTHER TRADES IN ORDER TO RESOLVE ANY CONFLICTS THAT MIGHT ARISE DUE TO THE LOCATION OF EQUIPMENT OR THE USE OF SPACE.
- EQUIPMENT OF DIFFERENT ELECTRICAL CHARACTERISTICS MAY BE FURNISHED PROVIDED SUCH PROPOSED EQUIPMENT IS APPROVED IN WRITING AND CONNECTING ELECTRICAL SERVICE, CIRCUIT BREAKERS AND CONDUIT ARE APPROPRIATELY MODIFIED AT NO COST TO THE OWNER.
- RUN ALL HORIZONTAL PIPING AND DUCTWORK ABOVE THE CEILING UNLESS OTHERWISE NOTED.
- MAKE DUCT PENETRATIONS OF ALL WALLS WITH SHEET METAL DUCTS. FLEXIBLE DUCT PENETRATION OF WALLS ARE NOT ACCEPTABLE.
- INSTALL TURNING VANES WHERE SHOWN ON PLANS.
- DO NOT INSTALL EQUIPMENT, PIPING OR DUCTWORK OVER ANY ELECTRICAL EQUIPMENT OR ELECTRICAL SERVICE SPACE.
- LAYOUT OF PIPING AND DUCTWORK IS DIAGRAMMATIC. RUN ALL EXPOSED PIPING AND DUCTWORK AS HIGH AS POSSIBLE UNLESS OTHERWISE NOTED. ALLOW FOR RISES, DROPS AND OFFSETS AS REQUIRED.
- INSTALL MECHANICAL EQUIPMENT TO FACILITATE SERVICING, MAINTENANCE AND REPAIR OR REPLACEMENT OF ELECTRICAL COMPONENTS AS MUCH AS PRACTICAL. CONNECT EQUIPMENT FOR EASE OF DISCONNECTING, WITH A MINIMUM OF INTERFERENCE WITH OTHER INSTALLATIONS, PIPING SHALL NOT INTERFERE WITH FILTER PULL.
- MECHANICAL CONTRACTORS SHALL PROVIDE AUTOMATIC CONTROL DEVICES SUCH AS STARTERS, VARIABLE FREQUENCY DRIVES (VFD), TEMPERATURE SENSORS, RELAYS, PRESSURE SWITCHES THAT ARE ASSOCIATED WITH MECHANICAL EQUIPMENT AND ASSOCIATED CONTROL WIRING FROM CONTROL POWER LOCATION TO THE CONTROL DEVICE/ ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND WIRING FROM POWER SOURCE TO DISCONNECT SWITCH, FROM DISCONNECT SWITCH TO STARTER OR VFD, AND FROM STARTER OR VFD TO THE EQUIPMENT.
- FLASHING DETAILS FOR PIPES PENETRATING THE ROOF SHALL BE COORDINATED WITH ARCHITECTURE DETAILS.
- LOCATE TEMPERATURE SENSORS AND CO2 SENSORS 48" ABOVE FINISHED FLOOR OR AS NOTED ON PLANS.
- COORDINATE CURBS AND SIZE OF CURBS IN ACCORDANCE WITH ACTUAL EQUIPMENT PURCHASED.
- CONTRACTOR IS TO PROVIDE AN ADJUSTABLE ROOF CURB OR TAPER AT CURB TO MATCH ROOF SLOPE FOR CURB MOUNTED EQUIPMENT. THE USE OF SHIMS TO LEVEL EQUIPMENT IS NOT ACCEPTABLE UNLESS THE CURB DIMENSIONS ARE SMALLER THAN 36"x36".
- CONTRACTOR TO VERIFY ALL ACCESS PANEL LOCATIONS. NOT ALL ACCESS PANELS REQUIRED ARE SHOWN. REFER TO SPECIFICATIONS FOR ACCESS PANEL REQUIREMENTS.
- CONTRACTOR SHALL INSTALL ALL PLUMBING VENTS AND EXHAUST AIR OUTLETS A MINIMUM OF 10'-0" AWAY (PER CODE) FROM ALL OUTSIDE AIR INTAKES, OPERABLE DOORS AND/ OR WINDOWS. CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC BY NATURE, FINAL MEASUREMENTS SHOULD BE MADE AT THE PROJECT SITE.
- NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED.

SYSTEMS COMMISIONING

- THE HVAC SYSTEMS PROVIDED UNDER THIS PROJECT SHALL UNDERGO SYSTEM COMMISSIONING PER THE REQUIREMENTS OF IECC 20???. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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Texas Highway Patrol Canine Training and Housing Facility



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810 County Road 240 Florence, TX 76527

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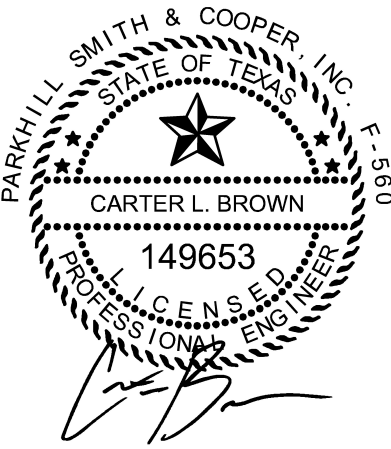
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DATE DESCRIPTION

Mechanical Symbols, Legends & Abbreviations

M-001



Williamson County Canine Training Facility
Texas Highway Patrol Canine Training and Housing Facility



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810 County Road 240 Florence, TX 76527

PROJECT NO.
42058.23

10/10/2025 Construction Documents
DATE DESCRIPTION

Mechanical Plan
M-111

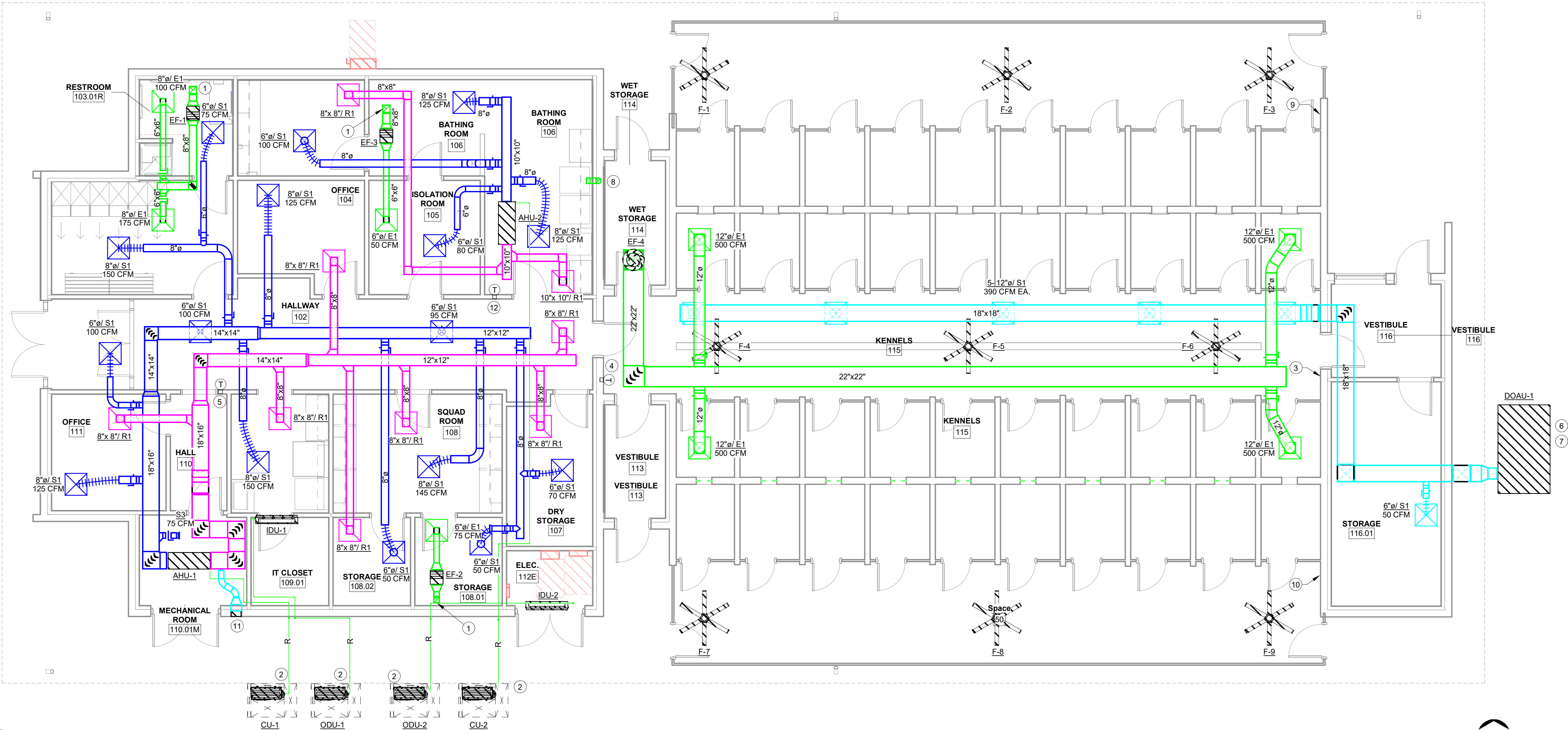
GENERAL NOTES

A. REFER TO GENERAL NOTES ON M-001.

KEY NOTES

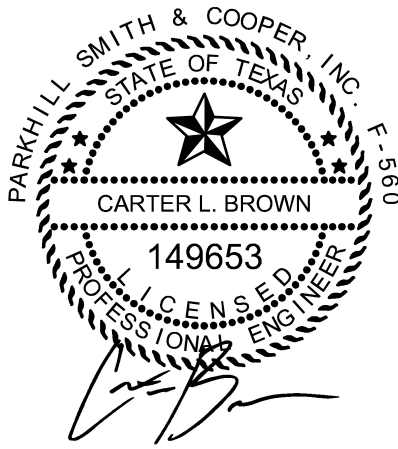
AS INDICATED BY: (#) →

- 1 EXHAUST 8X8" DUCT THROUGH ROOF TO GOOSENECK. REFER TO M-601.
- 2 ROUTE 3/4" REFRIGERANT LINE BELOW GRADE AT -2 FEET.
- 3 PROVIDE CONTROL PANEL FOR F-4 THRU F-6.
- 4 LOCATE THERMOSTAT FOR DOAU-1.
- 5 LOCATE THERMOSTAT FOR AHU-1.
- 6 PROVIDE 6" THICK HOUSEKEEPING PAD FOR DOAU-1. EQUIPMENT PAD DIMENSIONS TO EXCEED UNIT DIMENSIONS BY 6" ON ALL SIDES.
- 7 PROVIDE FRENCH DRAIN FOR CONDENSATE FROM DOAU-1.
- 8 4" DRYER VENT THRU ROOF.
- 9 PROVIDE CONTROL PANEL FOR F-1 THRU F-3.
- 10 PROVIDE CONTROL PANEL FOR F-7 THRU F-9.
- 11 PROVIDE 12"X12" OA LOUVER. DUCT OUTDOOR AIR TO RETURN DUCTWORK OF SS-1.
- 12 LOCATE THERMOSTAT FOR AHU-2.



A1 MECHANICAL PLAN
3/16" = 1'-0"





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810 County Road 240 Florence, TX
76527

PROJECT NO.

42058.23

- 10/10/2025 Construction Documents

DATE DESCRIPTION

Mechanical
Schedules

M-601

DEDICATED OUTDOOR AIR UNIT SCHEDULE

SYMBOL	SUPPLY DISCHARGE	OUTSIDE AIR CFM	E.S.P. (in W.G.)	BLOWER MOTOR		NOMINAL TONS	FAN SPEED	MINIMUM TOTAL CAPACITY, MBH	MINIMUM SENSIBLE CAPACITY, MBH	COOLING					MINIMUM COOLING EER	TYPE OF REFRIGERANT	HEATING				ELECTRICAL				WEIGHT, LBS	MANUFACTURER	MODEL NO
				HP	DRIVE					SUMMER AIR TEMP. DB/WB	DEHUMIDIFICATION AIR TEMP. DB/WB	LEAVING AIR TEMP DB/WB (COOLING)	LEAVING AIR TEMP DB/WB (HOT GAS REHEAT)	HEATING TYPE			WINTER AIR TEMP DB	MINIMUM CAPACITY, KW	LEAVING AIR TEMP	VOLTAGE	PHASE	MCA	MOCP				
DOAU-1	SIDE	2,000 CFM	1.00 in-wg	1.50 hp	DIRECT	10	2200	114.4	75.5	97.2/73.5	80.9/76.5	61.0/61.0	78.0/66.0	12.0	R-454B	ELECTRIC	20 °F	32	71 °F	208 V	3	121	125	1,540 lb	TRANE	OAB108	

- NOTES:
- UNIT SCHEDULED TO BE MANUFACTURED BY TRANE. LENNOX AND CARRIER ARE EQUIVALENT.
 - UNITS SHALL BE SELF CONTAINED, FACTORY ASSEMBLED AND PREWIRED, AND SUITED FOR OUTDOOR USE. FACTORY START-UP REQUIRED.
 - EXTERNAL STATIC PRESSURE INCLUDES DUCTWORK, DAMPERS, AIR DEVICES, ETC. PRESSURE DROP FOR WET COIL AND FILTERS IS INCLUDED AS INTERNAL PRESSURE DROP.
 - EACH OUTDOOR UNIT SHALL BE EQUIPPED WITH HIGH PRESSURE SWITCH, CYCLE TIMER AND SERVICE VALVES.
 - EACH SYSTEM SHALL BE PROVIDED WITH AN ELECTRONIC PROGRAMMABLE NIGHT SETBACK THERMOSTAT WITH TWO STAGES OF COOLING AND TWO STAGES OF HEATING.
 - PROVIDED SINGLE POINT ELECTRONIC CONNECTION.
 - COORDINATE WITH ELECTRICAL CONTRACTOR TO PROVIDE SMOKE DETECTORS IN THE SUPPLY AND RETURN DUCTWORK FOR ALL UNITS.
 - PROVIDE INTEGRAL DISCONNECTS AND POWERED INTEGRAL RECEPTACLES.
 - PROVIDE LOW AMBIENT KITS FOR COMPRESSORS.
 - PROVIDE AUXILIARY CONDENSATE SHUT OFF SWITCHES FOR THE UNITS.
 - PROVIDE FACTORY INSTALLED LOUVERED HAIL GUARDS.

AIR HANDLING UNIT SCHEDULE

SYMBOL	TYPE	EXTERNAL S.P. (in W.G.)	BLOWER MOTOR		AIRFLOW	OUTSIDE AIR	COOLING				HEAT PUMP HEATING		ELECTRICAL			SUPPLEMENTARY ELECTRIC HEAT			WEIGHT	MANUFACTURER	MODEL NUMBER
			HP	DRIVE			NOMINAL CAPACITY, MBH	MINIMUM SEER 2	OUTDOOR AMBIENT TEMP °F	REFRIGERANT	NOMINAL CAPACITY, MBH	AMBIENT AIR TEMP (F)	VOLTAGE	PHASE	FLA	KW	VOLTAGE/ PH	MOP			
AHU-1	HORIZONTAL HEAT PUMP	0.50 in-wg	0.50 hp	DIRECT	1300 CFM	280 CFM	42	14	105 °F	R-454B	42	17	208 V	1	3.9	10.8	208/3	45	138 lb	TRANE	5TEM4D05AC41SA
AHU-2	HORIZONTAL	0.50 in-wg	0.50 hp	DIRECT	430 CFM	50 CFM	18	13	105 °F	R-454B	-	-	208 V	1	2.6	3.6	208/1	25	110 lb	TRANE	5TEM4B02AC21SA

- NOTES FOR AIR HANDLER AND ASSOCIATED AIR-COOLED CONDENSING UNIT SCHEDULES:
- SCHEDULED UNITS ARE MANUFACTURED BY TRANE. CARRIER AND LENNOX ARE CONSIDERED EQUIVALENT.
 - EXTERNAL STATIC PRESSURE INCLUDES DUCTWORK, DAMPERS AND AIR DEVICES. PRESSURE DROP FOR WET COIL AND FILTERS IS CONSIDERED AS INTERNAL PRESSURE DROP.
 - COOLING CAPACITIES AND SEER/EER RATINGS ARE COMBINATION RATINGS WITH OUTDOOR UNITS. CAPACITIES ARE RATED AT ENTERING AIR TEMPERATURE AND AMBIENT AS LISTED; SEER RATINGS ARE AT AHRI CONDITIONS. AIRFLOW CONDITIONS ARE RATED AT LOCAL ALTITUDE.
 - EACH OUTDOOR UNIT SHALL BE EQUIPPED WITH HAIL GUARD FOR THE CONDENSER COIL, HIGH PRESSURE SWITCH, ANTI-SHORT CYCLE TIMER, SERVICE VALVES, LOW AMBIENT KIT, ANCILLARY REFRIGERANT EQUIPMENT AND INDOOR BLOWER RELAY KIT.
 - ELECTRICAL CONTRACTOR IS TO PROVIDE AND INSTALL ALL DISCONNECTS FOR EACH DEVICE IN THE SPLIT SYSTEM PACKAGE. ELECTRICAL CONTRACTOR IS TO MAKE ALL CONNECTIONS AS PER DIVISION 26 SPECIFICATIONS.

CONDENSING UNIT SCHEDULE

SYMBOL	TYPE	SERVES	ELECTRICAL	PHASE	ELECTRICAL	TYPE OF REFRIGERANT	MANUFACTURER	MODEL NO.
			VOLTAGE		MCA			
CU-1	HEAT PUMP	AHU-1	208 V	3	18.1	R454B	TRANE	5TWA4042A3000A
CU-2	STANDARD	AHU-2	208 V	1	9	R454B	TRANE	5TTR3018A1000

DUCTLESS SPLIT SYSTEM INDOOR UNIT SCHEDULE

SYMBOL	TYPE	COOLING		ELECTRICAL		MANUFACTURER	MODEL NO.
		AIRFLOW	MINIMUM NET TOTAL CAPACITY, MBH	VOLTAGE	PHASE		
IDU-1	WALL-MOUNT	100 CFM	24	208 V	1	TRANE	PKA-AK24NL
IDU-2	WALL-MOUNT	100 CFM	12	208 V	1	TRANE	PKA-A12LA

DUCTLESS SPLIT SYSTEM OUTDOOR UNIT SCHEDULE

SYMBOL	NOMINAL TONS	ENTERING CONDENSER AIR TEMPERATURE F	MINIMUM COOLING SEER	REFRIGERANT TYPE	ELECTRICAL		MANUFACTURER	MODEL NO.
					VOLTAGE	PHASE		
ODU-1	2	105 °F	21	R454B	208 V	1	TRANE	PUZ-AH24NL
ODU-2	1	105 °F	21	R454B	208 V	1	TRANE	5TWA4048A

- NOTES:
- AIRFLOW CONDITIONS ARE RATED AT LOCAL ALTITUDE.
 - BASIS OF DESIGN IS TRANE.
 - INDOOR UNIT SHALL BE EQUIPPED WITH REPLACEABLE FILTER, PIPE CONDENSATE DRAIN AS SHOWN, FREEZE PROTECTION, AUTOMATIC AIR SWEEP, AUTO RESTART, DIAGNOSTICS, HIGH/MID/LOW & AUTO FAN SPEEDS AND WHITE FINISH.
 - OUTDOOR UNIT SHALL BE EQUIPPED WITH HAIL GUARD FOR THE CONDENSER COIL, HIGH PRESSURE SWITCH, ANTI-SHORT CYCLE TIMER, SERVICE VALVES, LOW AMBIENT KIT, ANCILLARY REFRIGERANT EQUIPMENT AND INDOOR BLOWER RELAY KIT. CONTRACTOR SHALL PROVIDE FOR ALL PIPING.
 - SIZE REFRIGERANT LINES ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
 - PROVIDE CONDENSATE PUMP FOR INDOOR UNITS. EXAMPLE MODEL: REFCO GOBI, 120/240V, 1 PH, 3.2 GPH, 65 FT HEAD.

EXHAUST FAN SCHEDULE

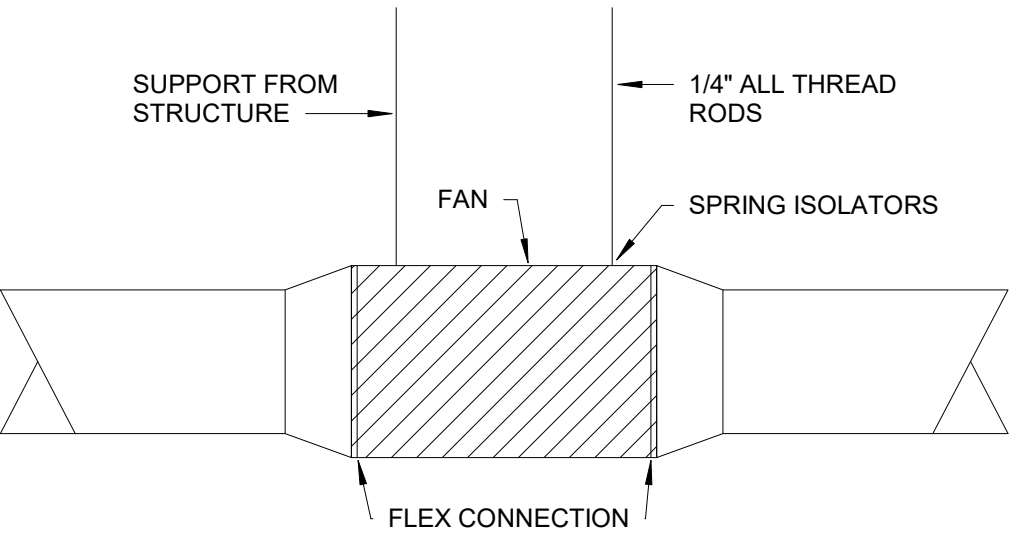
SYMBOL	TYPE	CFM	DRIVE	E.S.P. (in W.G.)	SOUND LEVEL IN SONES	FAN MOTOR POWER - HP	NOMINAL FAN RPM	ELECTRICAL			WEIGHT, LBS	MANUFACTURER	MODEL NO
								VOLTAGE	PHASE	METHOD OF CONTROL			
EF-1	INLINE	275 CFM	DIRECT	0.30 in-wg	5.5	0.1 hp	1300	120 V	1	LIGHT SWITCH	40 lb	GREENHECK	SQ-90
EF-2	INLINE	75 CFM	DIRECT	0.30 in-wg	3.2	0.1 hp	1435	120 V	1	LIGHT SWITCH	40 lb	GREENHECK	SQ-70-VG
EF-3	INLINE	100 CFM	DIRECT	0.30 in-wg	3.2	0.1 hp	1435	120 V	1	LIGHT SWITCH	40 lb	GREENHECK	SQ-70-VG
EF-4	ROOF MOUNTED	2000 CFM	DIRECT	0.50 in-wg	15.8	1.0 hp	1220	208 V	1	CONSTANT OPERATION	108 lb	GREENHECK	CUE-160-VG

- NOTES:
- FANS ARE SCHEDULED TO BE MANUFACTURED BY GREENHECK. TWIN CITY AND COOK ARE CONSIDERED EQUIVALENT MANUFACTURERS.
 - AIRFLOW CONDITIONS RATED AT LOCAL ALTITUDE.
 - PROVIDE AND INSTALL FLEXIBLE CONNECTION ON FAN INLET DUCT CONNECTION.
 - FANS SHALL HAVE MOTOR VIBRATION ISOLATION, BACK DRAFT DAMPER AT UNIT AND LOCAL DISCONNECT SWITCH AT UNIT.
 - FAN SELECTIONS SHALL BE SUBMITTED TO ALLOW FOR A MINIMUM +/- 10% IN SCHEDULED EXTERNAL STATIC AND CFM WITHIN THE PARAMETERS OF THE SCHEDULED MOTOR HP.

AIR DISTRIBUTION SCHEDULE

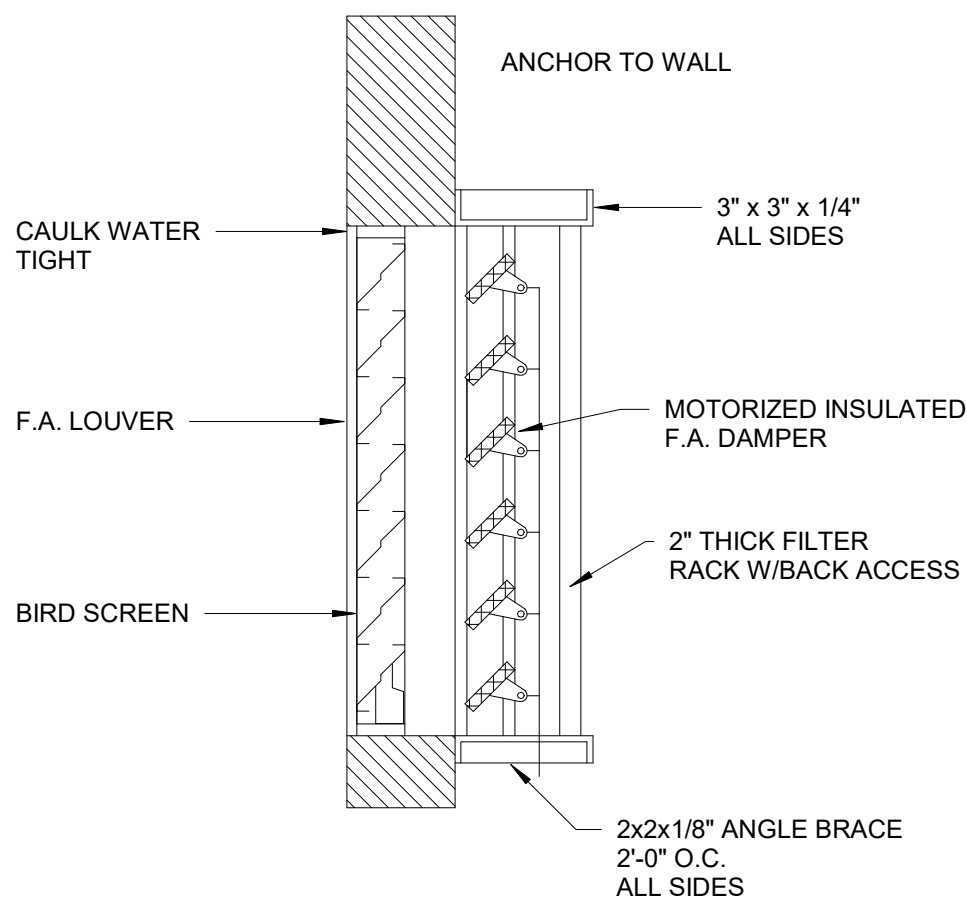
SYMBOL	SYSTEM TYPE	DESCRIPTION	INSTALLATION TYPE		MANUFACTURER	MODEL NO.
			LAY-IN/SURFACE MOUNT	SIDEWALL		
S1	SUPPLY	ALL STEEL, 24" x 24" NOMINAL FACE, FIXED AIR PATTERN, STEPPED WITH 4-CONES, SQUARE FACE AND ROUND NECK. SIZE NECK AS SHOWN ON DRAWINGS.			NAILOR	RNS
S3	SUPPLY	STEEL, DOUBLE DEFLECTION SIDEWALL SUPPLY GRILLE, 3/4" BLADE SPACING. SIZE NECK AS SHOWN ON DRAWINGS.			NAILOR	61DV
R1	RETURN	EGGCRATE RETURN GRILLE, 24"x 24" NOMINAL FACE, STEEL BORDER WITH ALUMINUM 1/2"x1/2"x1/2" CORE. SIZE NECK AS SHOWN ON DRAWINGS.	LAY-IN/SURFACE MOUNT		NAILOR	61EC
E1	EXHAUST	EGGCRATE EXHAUST GRILLE, 24"x 24" NOMINAL FACE, ALL ALUMINUM 1/2" x 1/2" x 1/2" CORE. SIZE NECK AS SHOWN ON DRAWINGS.	LAY-IN/SURFACE MOUNT		NAILOR	51EC

- NOTES:
- AIR DEVICES SCHEDULED TO BE MANUFACTURED BY NAILOR. PRICE, TITUS, AND RUSKIN ARE CONSIDERED EQUIVALENT MANUFACTURERS.
 - UNLESS SCHEDULED OTHERWISE, AIR DEVICES SHALL BE WHITE OR OFF-WHITE IN COLOR.
 - ALL JOISTS, CONDUITS, PIPING AND EQUIPMENT ABOVE OPEN RETURN DEVICES SHALL BE PAINTED BLACK FOR AN AREA OF 2 FEET ON ALL SIDES OF THE AIR DEVICE.
 - PROVIDE MANUAL BALANCING DAMPERS AT EACH SUPPLY AND EXHAUST AIR DUCT TAP, INSTALL MBD AT MAIN DUCT TAP.
 - PROVIDE INSULATING BLANKET ON BACK OF THE SUPPLY AND RETURN GRILLES.



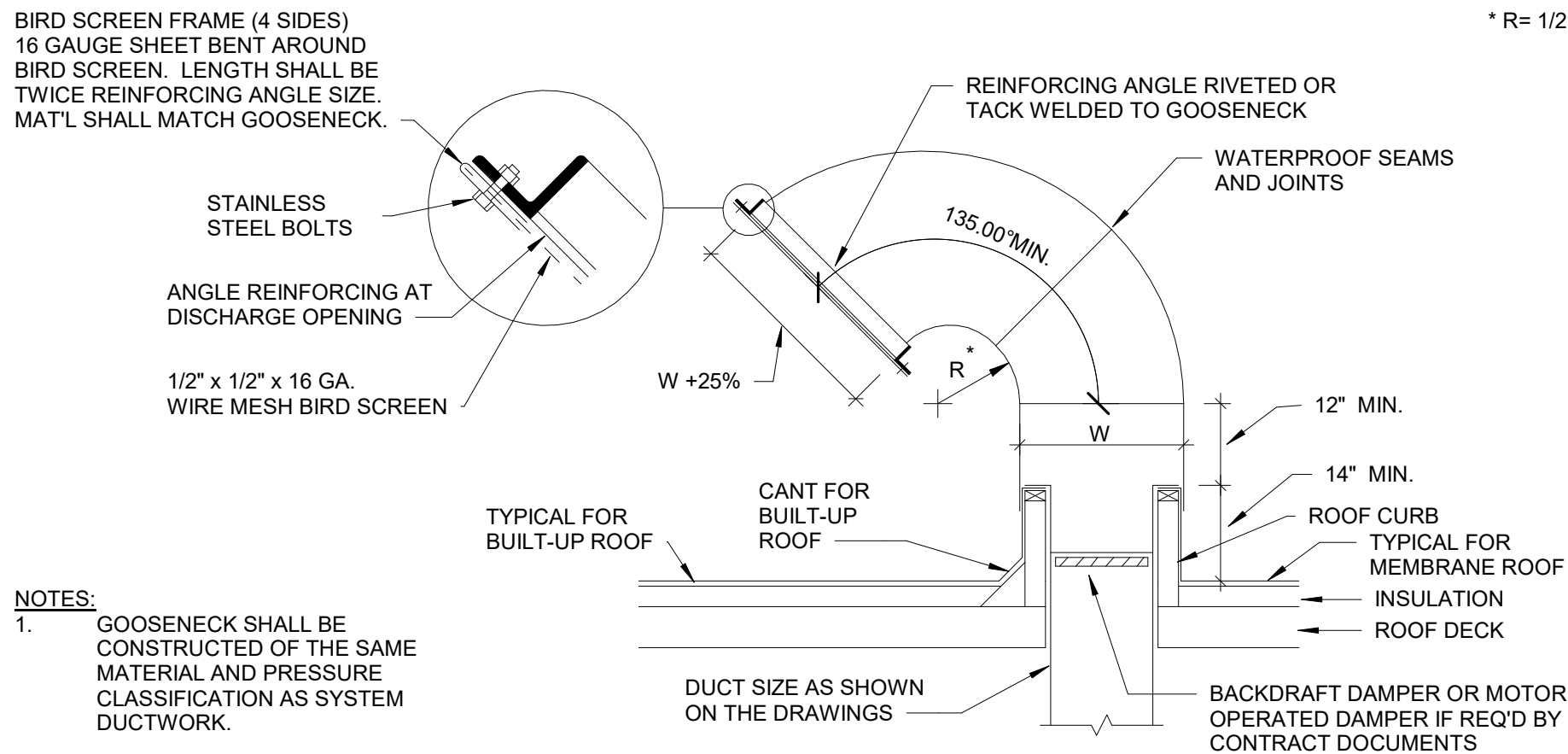
B2 EXHAUST FAN - INLINE

NTS



B1 LOUVER WITH DAMPER

NTS



- NOTES:
- GOOSENECK SHALL BE CONSTRUCTED OF THE SAME MATERIAL AND PRESSURE CLASSIFICATION AS SYSTEM DUCTWORK.

A1 GOOSENECK

NTS

PLUMBING SYMBOLS	
	BUTTERFLY VALVE
	BALL VALVE
	CHECK VALVE
	GATE VLVE
	PRESSURE REDUCING VALVE
	FLANGE
	UNION
	STRAINER
	PLUG VALVE
	GAS REGULATOR
	CONNECT TO EXISTING
	POINT OF DISCONNECT

PLUMBING PIPING LEGEND	
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
	SEWER
	VENT
 CD	CONDENSATE DRAIN
 AUX	AUXILIARY DRAIN
 G	NATURAL GAS
 RD	ROOF DRAIN PIPING
 OD	OVERFLOW DRAIN PIPING
 A	MEDICAL AIR
 NOX	NITROUS OXIDE
 N	NITROGEN
 O	OXYGEN
 V	VACUUM
 WAGD	WASTE ANESTHETIC GAS DISPOSAL
	INDICATED DEMOLITION
	FLUID FLOW DIRECTION
	PIPE TURNED UP
	PIPE TURNED DOWN
EXISTING PIPING IS INDICATED SAME AS ABOVE, EXCEPT IN A LIGHTER PEN WEIGHT.	

PLUMBING ABBREVIATIONS	
A AUX AVG AFF	AUXILIARY AVERAGE ABOVE FINISHED FLOOR
B BOJ BTUH MBU	BOTTOM OF JOIST BRITISH THERMAL UNIT PER HOUR BRITISH THERMAL UNIT DIVIDED BY 1,000
C CD	CONDENSATE
D DEG °F DIA ID OD DDC DCW DHW DHWDR	DEGREE DEGREES FAHRENHEIT DIAMETER DIAMETER, INSIDE DIAMETER, OUTSIDE DIRECT DIGITAL CONTROLS DOMESTIC COLD WATER DOMESTIC HOT WATER DOMESTIC HOT WATER RETURN
E EWT ECW EHW EHWDR ES ET	ENTERING WATER TEMPERATURE EXISTING DOMESTIC COLD WATER EXISTING DOMESTIC HOT WATER EXISTING DOMESTIC HOT WATER RETURN EXISTING SEWER EXPANSION TANK
F FT	FEET
G GAL GPD GPH GPM	GALLONS GALLONS PER DAY GALLONS PER HOUR GALLONS PER MINUTE
H HP	HORSEPOWER
I IN inHG inH2O	INCHES INCHES OF MERCURY INCHES OF WATER
J NOT USED	
K kW	KILOWATT
L LWT	LEAVING WATER TEMPERATURES
M MPG	MEDIUM PRESSURE NATURAL GAS
N G NC NO	NATURAL GAS NORMALLY CLOSED NORMALLY OPEN
O NOT USED	
P PH LBS PSI PRV	PHASE POUNDS POUNDS PER SQUARE INCH PRESSURE REDUCED VALVE
Q NOT USED	
R RPZ RPM	REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY REVOLUTIONS PER MINUTE
S SA SQ.FT.	SHOCK ABSORBER / ARRESTOR SQUARE FEET
T T&P TOJ TDH	TEMPERATURE AND PRESSURE VALVE TOP OF JOIST TOTAL DYNAMIC HEAD
U UF UG	UNDERFLOOR UNDERGROUND
V VFD VEL VTR V	VARIABLE FREQUENCY DRIVE VELOCITY VENT THROUGH ROOF VOLTS

- GENERAL NOTES
1.

GENERAL NOTES ON THIS SHEET ARE APPLICABLE TO EACH PLUMBING DRAWING OF THIS SET OF CONSTRUCTION DOCUMENTS. NOTES SPECIFIC TO INDIVIDUAL PLUMBING DRAWINGS WILL BE SHOWN ON THE RESPECTIVE PLUMBING DRAWING.
2.

THE CONTRACTOR SHALL PROVIDE A COMPLETE PLUMBING SYSTEM TO INCLUDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT FOR A COMPLETE AND FUNCTIONAL SYSTEM INCLUDING ALL NECESSARY APPURTENANCES CUSTOMARILY INCLUDED IF NOT SPECIFICALLY CALLED OUT.
3.

ENTIRE INSTALLATION, INCLUDING MATERIALS, EQUIPMENT AND WORKMANSHIP SHALL CONFORM WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS.
4.

APPLICABLE STANDARDS AND REGULATORY BODIES HAVE JURISDICTION OVER THE CLASS OF WORK.
5.

MATERIAL AND EQUIPMENT SHALL HAVE STAMPS OR SEALS OF AHRI, ASME, UL OR ASTM.
6.

THE CONTRACTOR SHALL MAKE TESTS FOR ACCEPTANCE AND APPROVAL AS REQUIRED BY CODE AND THE REQUIREMENTS OF APPLICABLE REGULATORY AGENCIES. REQUIRED TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER OF RECORD AND/OR OWNER UNLESS OTHERWISE WAIVED IN WRITING.
7.

THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES, DOCUMENTS AND SERVICES RELATED TO INSTALLATION OF THE WORK.
8.

THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE OTHER TRADES IN ORDER TO RESOLVE ANY CONFLICTS THAT MIGHT ARISE DUE TO THE LOCATION OF EQUIPMENT OR THE USE OF SPACE.
9.

EQUIPMENT OF DIFFERENT ELECTRICAL CHARACTERISTICS MAY BE FURNISHED. SUCH PROPOSED EQUIPMENT IS APPROVED IN WRITING AND CONNECTING ELECTRICAL SERVICE, CIRCUIT BREAKERS AND CONDUIT ARE APPROPRIATELY MODIFIED AT NO COST TO THE OWNER.
10.

RUN ALL HORIZONTAL DOMESTIC COLD WATER, DOMESTIC HOT WATER, AND VENT PIPING ABOVE THE CEILING UNLESS OTHERWISE NOTED.
11.

MAKE PIPE PENETRATIONS OF ALL WALLS WITH SLEEVES AS NOTED IN THE SPECIFICATIONS.
12.

DO NOT INSTALL EQUIPMENT, PIPING OR DUCTWORK OVER ANY ELECTRICAL EQUIPMENT OR ELECTRICAL SERVICE SPACE.
13.

LAYOUT OF PIPING IS DIAGRAMMATIC. RUN ALL EXPOSED PIPING AS HIGH AS POSSIBLE UNLESS OTHERWISE NOTED. ALLOW FOR RISES, DROPS AND OFFSETS AS REQUIRED.
14.

EXTEND CONDENSATE DRAIN LINES AS INDICATED. ALL CONDENSATE DRAIN PIPING SHALL BE TRAPPED AND PITCHED DOWN IN DIRECTION OF FLOW A MINIMUM OF 1/8 INCH PER 1 FOOT.
15.

INSTALL EQUIPMENT TO FACILITATE SERVICING, MAINTENANCE AND REPAIR OR REPLACEMENT OF ELECTRICAL COMPONENTS. AS MUCH AS PRACTICAL, CONNECT EQUIPMENT FOR EASE OF DISCONNECTING, WITH A MINIMUM OF INTERFERENCE WITH OTHER INSTALLATIONS.
16.

FLASHING DETAILS FOR PIPES PENETRATING THE ROOF SHALL BE COORDINATED WITH ARCHITECTURE DETAILS.
17.

CONTRACTOR SHALL INSTALL ALL PLUMBING VENTS AND EXHAUST AIR OUTLETS A MINIMUM OF 10'-0" AWAY (PER CODE) FROM ALL OUTSIDE AIR INTAKES, OPERABLE DOORS AND/ OR WINDOWS. CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC BY NATURE. FINAL MEASUREMENTS SHOULD BE MADE AT THE PROJECT SITE.
18.

CONTRACTOR TO PROVIDE MEANS TO CLEAR CONDENSATE DRAIN LINE WITHOUT CUTTING THE DRAIN LINE.
19.

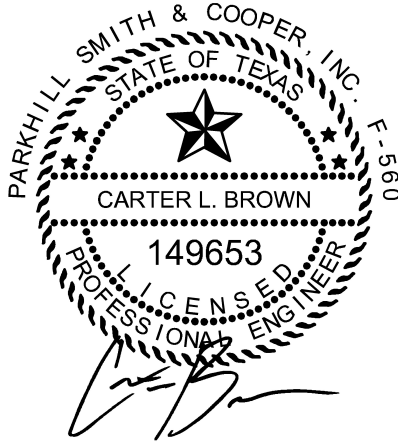
NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED.

SYSTEMS COMMISSIONING

1.

THE DOMESTIC WATER HEATING SYSTEM PROVIDED UNDER THIS PROJECT SHALL UNDERGO SYSTEMS COMMISSIONING PER THE REQUIREMENTS OF IECC 20???. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.

PLUMBING FIXTURE MOUNTING HEIGHT								
* ALL DIMENSIONS ARE IN INCHES AND FROM FINISHED FLOOR	AGES: 3 & 4		AGES: 5 THROUGH 8		AGES: 9 THROUGH 12		AGES: 13 THROUGH ADULTS	
	ADA/TAS	STANDARD (4)	ADA/TAS	STANDARD (4)	ADA/TAS	STANDARD (4)	ADA/TAS	STANDARD (4)
WATER CLOSETS TOP OF SEAT FLUSH CONTROLS (HANDLE HEIGHT)	11 - 12 MAX 30 MAX	11 - 12 MAX 30 MAX	11 - 15 MAX 30 MAX	11 - 15 MAX 30 MAX	15 - 17 MAX 30 MAX	15 - 17 MAX 30 MAX	17 - 19 MAX 30 MAX	16 - 18 MAX 30 MAX
URINALS RIM OF BASIN MINIMUM DEPTH (5) FLUSH CONTROLS (HANDLE HEIGHT)	14 MAX 13 1/2 MIN 36 MAX	14 MAX 13 1/2 MIN 36 MAX	14 MAX 13 1/2 MIN 40 MAX	14 MAX 13 1/2 MIN 40 MAX	14 MAX 13 1/2 MIN 44 MAX	24 MAX 13 1/2 MIN 44 MAX	17 MAX 13 1/2 MIN 46 MAX	24 MAX 13 1/2 MIN 46 MAX
LAVATORIES AND SINKS RIM (10) KNEE CLEARANCE FRONT EDGE TO WALL/FAUCET HANDLE	31 MAX 24 MAX 20 MAX	31 MAX 24 MAX 20 MAX	31 MAX 24 MAX 20 MAX	31 MAX 24 MAX 20 MAX	31 MAX 24 MAX 20 MAX	31 MAX 24 MAX 20 MAX	34 MAX 27 MIN 20 -25 MAX	34 MAX 27 MIN 20 -25 MAX
DRINKING FOUNTAINS AND ELECTRIC WATER COOLERS SPOUT OUTLETS HEIGHT (LOW) HEIGHT (HIGH) DISTANCE FROM FRONT EDGE	30 MAX 38 - 43 MAX 3 1/2 MAX	--- --- ---	30 MAX 38 - 43 MAX 3 1/2 MAX	--- --- ---	30 MAX 38 - 43 MAX 3 1/2 MAX	--- --- ---	36 MAX 38 - 43 MAX 5 MAX	--- --- ---
SHOWERS FIXED HEAD (NON-MEDICAL APPLICATION) ADJUSTABLE HEAD (9) HOSE LENGTH	48 MAX 48 MAX 59 MIN	48" 48" ---	48 MAX 48 MAX 59 MIN	48" 48" ---	48 MAX 48 MAX 59 MIN	66" 66" ---	48 MAX 48 MAX 59 MIN	78" 78" ---
NOTES: 1. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF PLUMBING FIXTURES, GRAB BARS, DISPENSERS, ETC. WITH RESPECT TO WALLS, STALLS, ETC. 2. ACCESSIBILITY GUIDELINES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY, AND INTENDED TO SERVE AS A GUIDE FOR CONSTRUCTION PROFESSIONALS AND OWNERS. 3. SOME OF THE INFORMATION SHOWN HERE MAY NOT BE APPLICABLE TO THIS PROJECT 4. STANDARD HEIGHT INFORMATION IS OBTAINED FROM ASPE (AMERICAN SOCIETY OF PLUMBING ENGINEERS), HEIGHTS NOT NOTED BY INFORMATION ON DRAWINGS. 5. DEPTH TO BE MEASURED FROM THE OUTER FACE OF THE URINAL RIM TO THE BACK OF THE FIXTURE. 6. KNEE CLEARANCE FOR LAVATORIES AND SINKS SHALL COMPLY WITH TAS. 7. REFER TO DETAIL FOR COUNTER MOUNTED SINKS WITH BUBBLERS FOR DIMENSIONS. ON ARCHITECTURAL DRAWINGS. 8. DRINKING FOUNTAINS AND ELECTRIC WATER COOLER DISTANCES FROM FRONT EDGE INCLUDES BUMPERS. KNEE CLEARANCES MUST BE MAINTAINED THROUGH THE MIN/MAX. RANGE HEIGHT FOR THE SPOUT. 9. THE 30" SLIDE BAR SHALL BE MOUNTED AT A HEIGHT SO THE HAND HELD SHOWER WAND SHALL BE MOUNTED NO HIGHER THAN 48" ABOVE SHOWER FINISHED FLOOR. 10. THE CONTRACTOR SHALL COORDINATE WITH THE COUNTER TOP/BASE CABINET MANUFACTURER TO VERIFY THAT THE RIM OF THE LAVATORY/SINK IS INSTALLED AT NO MORE THAN THE MAXIMUM HEIGHT ALLOWED. 11. KNEE CLEARANCE MAY BE LOWERED FROM 27 INCHES TO 24 INCHES, IF THE RIM HEIGHT IS SET AT 31 INCHES.								



CLIENT

Department of Public Safety

810 County Road 240 Florence, TX 76527

PROJECT NO.

42058.23

- 10/10/2025 Construction Documents

DATE DESCRIPTION

Plumbing Symbols, Legends & Abbreviations

P-001

R_V24 10/10/2025 10:36:04 AM

A1 PLUMBING PLAN
3/16" = 1'-0"



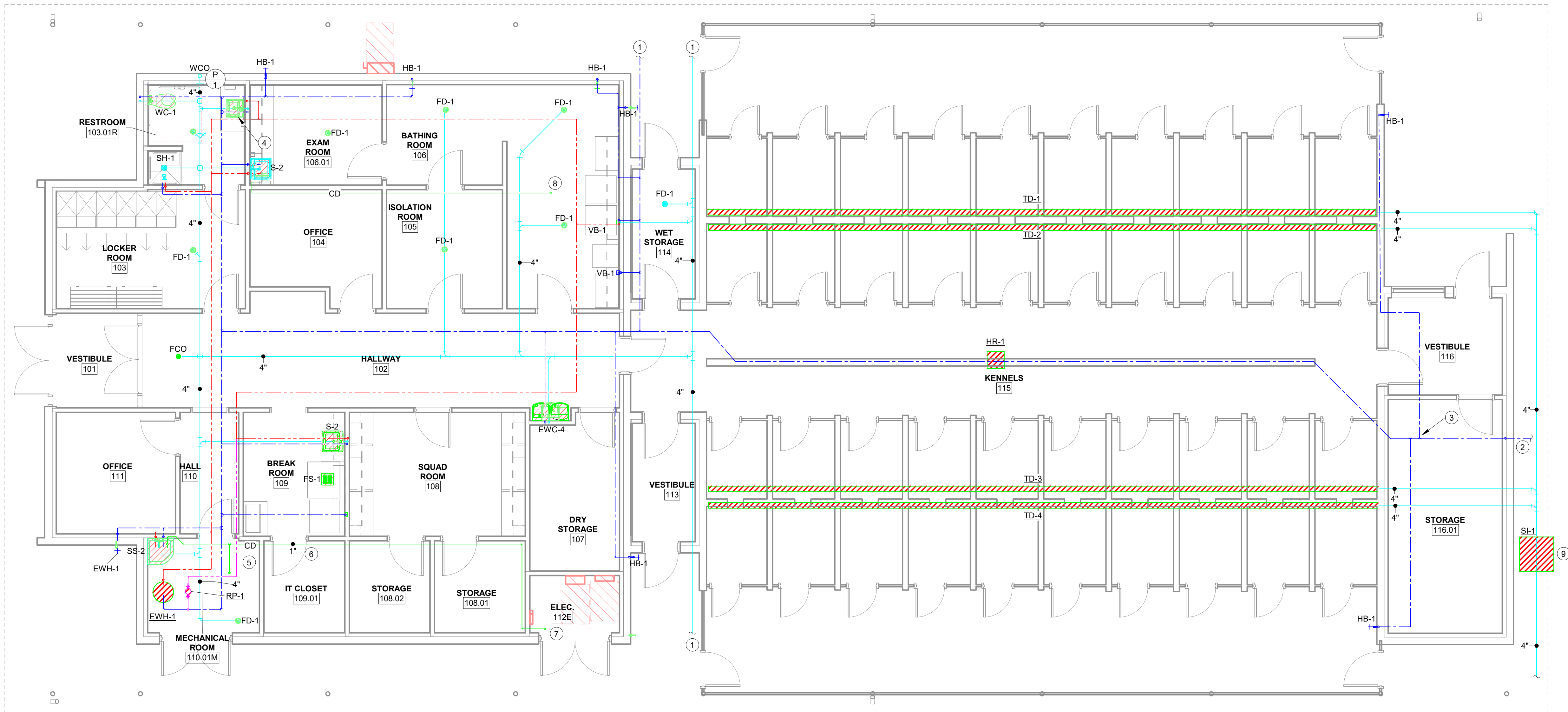
GENERAL NOTES

A. REFER TO GENERAL NOTES ON P-001.

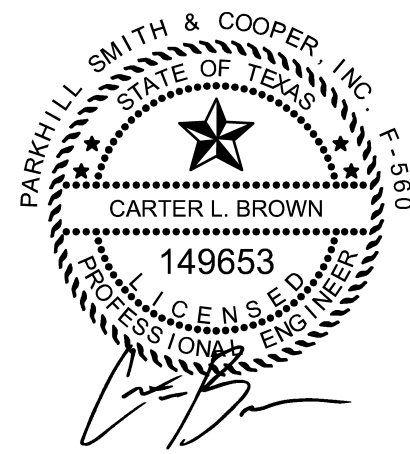
KEY NOTES

AS INDICATED BY: (#) →

- 1 REFER TO CIVIL FOR CONTINUATION.
- 2 ROUTE DOMESTIC WATER LINE TO REMOTE STORAGE BUILDING FOR ADD ALT. REFER TO CIVIL FOR CONTINUATION.
- 3 TERMINATE DOMESTIC WATER LINE WITHIN STORAGE 116.01 IF ADD ALT IS NOT ACCEPTED.
- 4 SOLID SURFACE SINK. REFER TO INTERIORS FOR SPECIFICATIONS.
- 5 CONDENSATE DOWN FROM AHU-1. ROUTE TO SS-2
- 6 CONDENSATE DOWN FROM IDU-1. ROUTE TO SS-2
- 7 CONDENSATE DOWN FROM IDU-2. ROUTE TO SS-2.
- 8 CONDENSATE DOWN FROM AHU-2. ROUTE TO TAILPIECE OF S-2.
- 9 PROVIDE SOLIDS INTERCEPTOR RATED FOR ANIMAL HAIR COLLECTION. PARK USA ZOOTROOPER OR EQUIVALENT.



Parkhill



Parkhill.com

**Williamson County Canine
Training Facility**
Texas Highway Patrol Canine Training and
Housing Facility



CLIENT

Department of Public Safety

810 County Road 240 Florence, TX
76527

PROJECT NO.

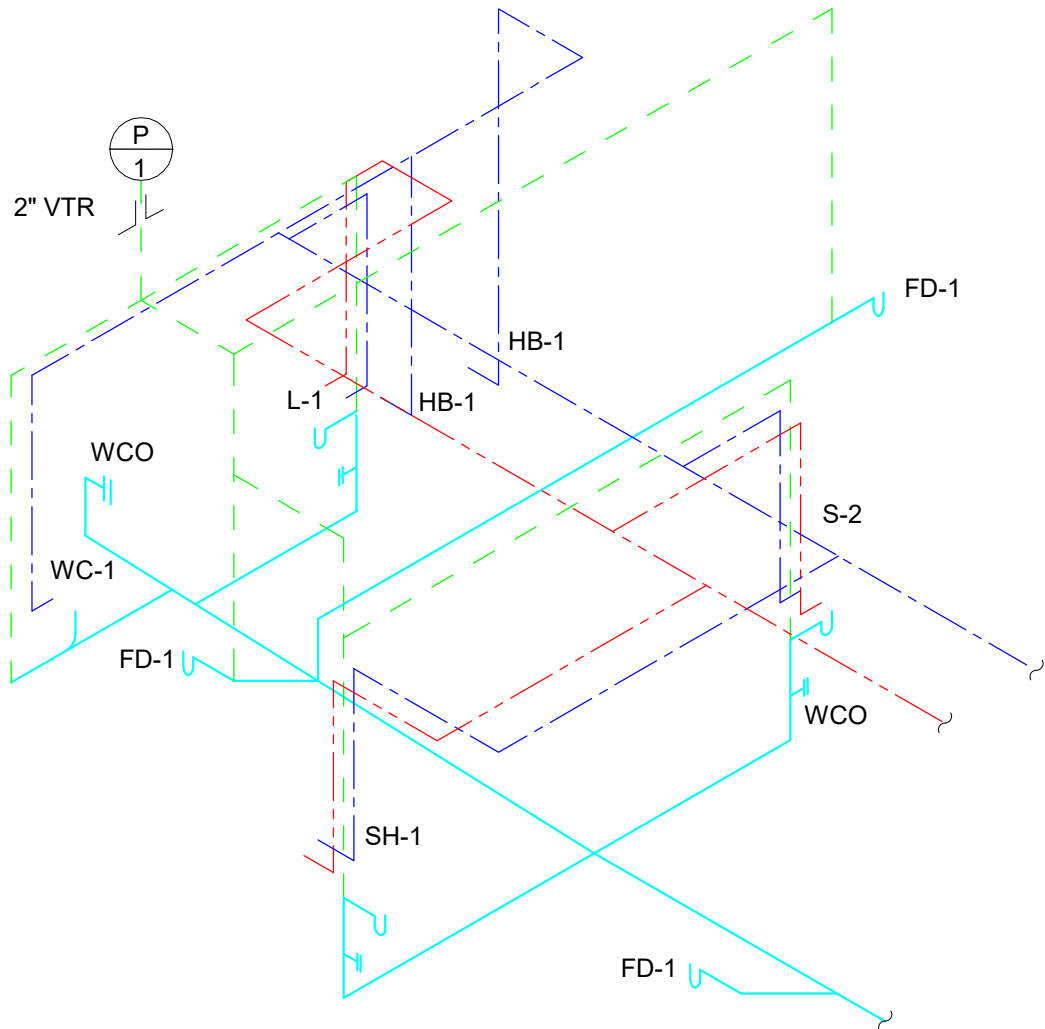
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10/10/2025 Construction Documents

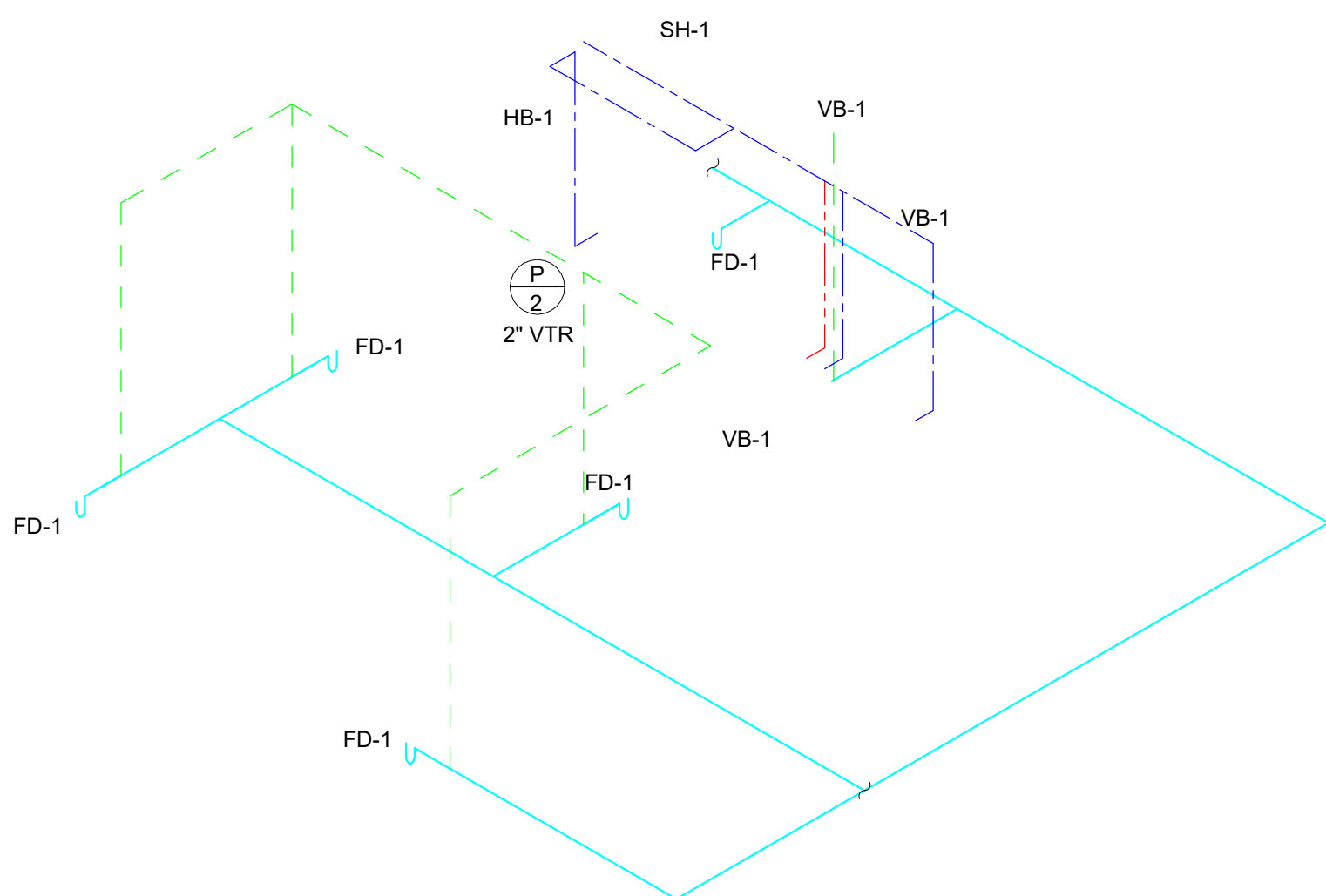
DATE DESCRIPTION

Plumbing Plan

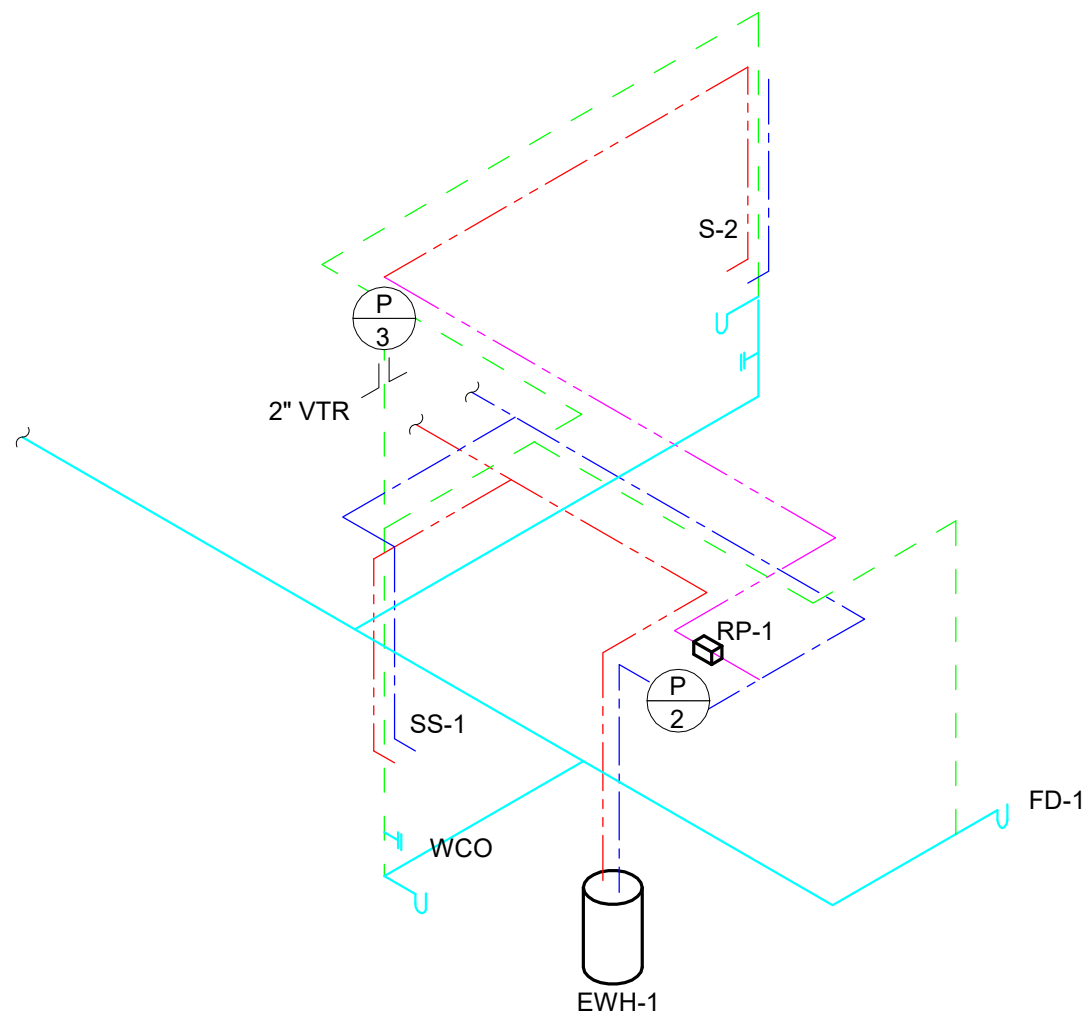
P-111



D1 PLUMBING RISERS 1
NTS



D2 PLUMBING RISERS 2
NTS



D4 PLUMBING RISERS 3
NTS

PLUMBING FIXTURE SCHEDULE									
SYMBOL	MINIMUM CONNECTIONS				DESCRIPTION	MANUFACTURER	MODEL NO.	OPTIONS	
	CW	HW	VENT	SEWER					
WC-1	1"	--	2"	4"	FLOOR MOUNTED FLUSH VALVE WATER CLOSET, ELONGATED CHINA BOWL WITH EVERCLEAN. BOTTOM OUTLET, SIPHON JET FLUSHING ACTION, TOP SPUD, EXPOSED HARDWIRED SENSOR OPERATED FLUSH VALVE WITH MANUAL OVERRIDE, 1.28 GALLONS PER FLUSH, AND VANDAL RESISTANT STOP CAP. EXTRA HEAVY DUTY OPEN FRONT WHITE SEAT WITH EVERCLEAN. 15" TO TOP OF RIM.	AMERICAN STANDARD	3451.001 "MADERA FLOWISE"	VALVE - SLOAN ROYAL 111-1.28 SEAT - AMERICAN STANDARD 5901.110T	
S-2	1/2"	1/2"	1-1/2"	1-1/2"	COUNTERTOP SINGLE COMPARTMENT 22" x 22" SINK. 18 GAUGE 304 STAINLESS STEEL WITH A LUSTERTONE FINISH, REAR CENTER DRAIN PLACEMENT, FULL SPRAY SIDES AND BOTTOM, NOMINAL 19" x 16" BOWL, 6" DEEP. TAS COMPLIANT SINGLE HANDLE HIGH ARC PULLDOWN FAUCET, PULLOUT SPRAY WITH A 68" BRAIDED HOSE, LEVER STYLE HANDLE, 1.5 GPM. DRAIN OUTLET WITH 304 STAINLESS STEEL BODY AND GRID STRAINER, POLISHED FINISH.	ELKAY	LRAD222260	FAUCET - MOEN 7594 DRAIN - ELKAY LK18B	
SH-1	3/4"	3/4"	1-1/2"	2"	PRESSURE BALANCING MIXING VALVE WITH LEVER HANDLE AND ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN. WALL/HAND SPRAY, IN-LINE VACUUM BREAKER, FLEXIBLE METAL HOSE. WALL CONNECTION AND FLANGE. 30" SLIDE BAR FOR HAND SPRAY MOUNTING, 2.5 GPM.	SYMMONS	ORIGINS 9603-PLR-TRM	FLOOR DRAIN: WATTS -FD-100A	
SS-2	3/4"	3/4"	2"	3"	FLOOR MOUNTED ENAMELED CAST IRON CORNER SERVICE SINK - 28"x28"x13", WITH WALL MOUNTED 8" CENTER FAUCET WITH VACUUM BREAKER, TOP BRACE, INTEGRAL STOPS, HOSE THREADED SPOUT, 12.96 GPM. PROVIDE 3" DRAIN OUTLET WITH DOME STRAINER, MOP HANGER, HOSE/BRAKET COMBINATION. PROVIDE THERMOSTATIC MIXING VALVE.	AMERICAN STANDARD	7745.811 "FLORWELL"	FAUCET - T&S BRASS B-0665-BSTR MOP HANGER - PROFLO PF245 HOSE AND WALL HOOK- PROFLO PF296 SPLASH CATCHER PANELS - PROFLO PFWG24S MIXING VALVE: BRADLEY S59-4016	
HB-1	3/4"	--	--	--	INTERIOR HOSE BIBB - ANTI-SIPHON VACUUM BREAKER, ROUGH BRASS FINISH, TEE HANDLE OR HAND WHEEL, 3/4" INLET WITH 3/4" THREADED OUTLET, PROVIDE APPROPRIATE ESCUTCHEON / FLANGE.	WOODFORD	24	(BR)	
EWH-1	3/4"	--	--	--	EXTERIOR ENCASED NON-FREEZE WALL HYDRANT, DOUBLE CHECK BACKFLOW PROTECTION, CHROME BOX, ALL METAL CONSTRUCTION, STAINLESS STEEL OPERATING STEM AND ONE PIECE VALVE PLUNGER THAT CONTROLS FLOW AND DRAIN.	WOODFORD	B67	(CH)	
FD-1	--	--	2"	AS SHOWN ON DWG	FLOOR DRAIN - 6" DIA. ADJUSTABLE POLISHED NICKEL BRONZE STRAINER, CAST IRON BODY WITH REVERSIBLE CLAMPING COLLAR. P-TRAP SHALL BE DEEP SEAL TYPE. COORDINATE FLOORING TYPE WITH ARCHITECTURE.	WATTS	FD-100A	TRAP GUARD - PROSET	
FS-1	--	--	2"	3"	FLOOR SINK - 12" x 12" x 8" DEEP CAST IRON BODY, SQUARE SLOTTED MEDIUM DUTY FULL GRATING, WHITE ACID RESISTANT PORCELAIN ENAMEL INTERIOR AND NICKEL BRONZE TOP, ALUMINUM ANTI SPLASH INTERIOR WITH BOTTOM DOME STRAINER, SS MESH SEDIMENT BASKET.	WATTS	FS-740	TRAP GUARD - PROSET	
FCO	--	--	---	AS SHOWN ON DWG	FLOOR CLEANOUT - CAST IRON BODY WITH ROUND ADJUSTABLE SCORIATED NICKEL BRONZE TOP, GASKET SEAL BRASS THREADED PLUG WITH RECESSED SOCKET.	WATTS	CO-200-R		
WCO	--	--	---	AS SHOWN ON DWG	WALL CLEANOUT - NO-HUB PVC CLEANOUT TEE WITH ROUND STAINLESS STEEL COVER AND CENTER SCREW, GASKETED SEAL BRASS THREADED PLUG WITH RECESSED SOCKET.	WATTS	CO-460-RD		
EWC-4	3/8"	--	1-1/4"	1-1/2"	WALL MOUNTED TWO LEVEL TAS COMPLIANT WATER COOLER WITH BOTTLE FILLER STATION. NO LEAD, INLINE FILTER, SINGLE COMPRESSOR, STAINLESS STEEL FINISH. CAPACITY OF 8 GPH WITH 50 DEG F COOLING AT 90 DEG AIR TEMPERATURE. WALL MOUNTED CARRIER POWER - 4.5 AMPS @ 120V/60Hz/1PH. REFER TO P-001 FOR TAS MOUNTING HEIGHTS.	ELKAY	LZSTL8WSSP	CARRIER - WATTS CA-431-1 PROVIDE CANE APRON	
VB-1	1/2"	--	--	--	RECESSED VALVE BOX WITH VALVE. CHROME QUARTER TURN ADAPTER BALL VALVE, 1/2" SWEAT CONNECTION AND WATER HAMMER ARRESTOR.	IPS CORPORATION	MODEL AB9700 HA		

- NOTES:
- MANUFACTURERS WITH MODEL NUMBERS ARE BASE ITEMS. OTHER MANUFACTURERS MUST BE EQUIVALENT MANUFACTURERS UNLESS NOTED OTHERWISE.
 - FOR MOUNTING HEIGHTS OF INDIVIDUAL WALL-MOUNTED FIXTURES, REFER TO P-001 SHEET.
 - EACH UNDER SLAB OR CONCEALED P-TRAP SHALL BE A DEEP-SEAL TYPE.
 - PROVIDE EACH WALL MOUNTED PLUMBING FIXTURE, SUCH AS SINKS, LAVATORIES, ELECTRIC WATER COOLERS, DRINKING FOUNTAINS, ETC., WITH A FLOOR MOUNTED SUPPORT CARRIER WITH RECTANGULAR LEGS.
 - UNLESS SCHEDULED OTHERWISE, PROVIDE EACH LAVATORY, SINK, WATER COOLER, ETC. WITH A P-TRAP ASSEMBLY CONSISTING OF A CHROME-PLATED (C.P.) CAST BRASS TRAP WITH CLEANOUT PLUG, C.P. TUBING OUTLET (MIN. 17 GA.), AND C.P. CAST BRASS ESCUTCHEON WITH SETSCREW.
 - PROVIDE EACH FIXTURE WHICH REQUIRES COLD AND/OR HOT WATER (EXCEPT FLUSH VALVES) WITH A SUPPLY/STOP ASSEMBLY CONSISTING OF A C.P. BRASS STOP VALVE (MIN. 1/2") WITH QUARTER STOPS AND LOCK SHIELD, STAINLESS STEEL FLEXIBLE RISER, C.P. BRASS NIPPLE, AND C.P. CAST BRASS ESCUTCHEON WITH SETSCREW.
 - FOR EACH PUBLIC LAVATORY OR SINK WITH EXPOSED DRAIN AND BOTH COLD AND HOT SUPPLY COMPONENTS, PROVIDE A MANUFACTURED INSULATION KIT MADE FROM MOLDED CLOSED CELL VINYL THAT IS ANTI-MICROBIAL AND SEAMLESS. EACH KIT SHALL COVER THE TAILPIECE, P-TRAP, WALL BEND, BOTH WATER SUPPLY STOPS, AND BOTH WATER RISERS. KITS SHALL BE EQUAL OR EQUIVALENT TO "PROWRAP" BY MCGUIRE OR LAV-GUARD BY TRUEBRO.
 - WHERE ARCHITECTURAL PLANS SHOW WATER CLOSETS AND URINALS, PROVIDE AND INSTALL FLUSHING VALVE SUCH THAT FLUSH HANDLE IS ON WIDE SIDE OF WATER CLOSET.
 - PROVIDE WATER HAMMER ARRESTORS LOCATED AND SIZED ACCORDING TO PDI RECOMMENDATIONS.
 - PROVIDE ISOLATION VALVES IN CW, HW AND HWR PIPING AS NEED OR AS SHOWN FOR ALL GROUPS OF FIXTURES.
 - INSTALL PLUMBING FIXTURES IN ACCORDANCE WITH LATEST ADA AND TAS STANDARDS.

ELECTRIC WATER HEATER SCHEDULE

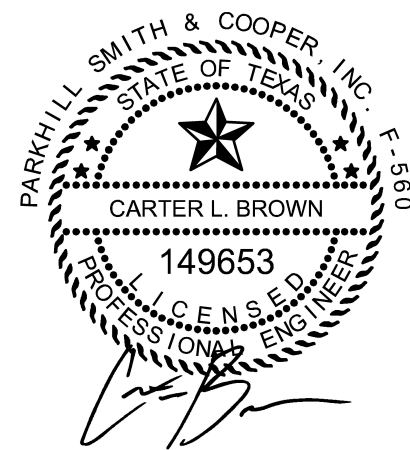
SYMBOL	LOCATION	STORAGE GALLONS	HTG ELEMENTS (QTY/KW)	ELECTRICAL		WATER TEMPERATURE		MANUFACTURER	MODEL NO
				VOLTAGE	PHASE	INLET	RISE		
EWH-1	MECHANICAL ROOM	50 gal	3/9	208 V	1	67 °F	73 °F	A.O SMITH	DRE-52-9

- NOTES:
- WATER HEATER SHALL HAVE A PORCELANIZED GLASSLINED TANK AND BE ADDITIONALLY PROTECT AGAINST PREMATURE FAILURE BY A FACTORY INSTALLED ANODE ROD. WATER HATER SHALL HAVE A PROPERLY SIZED, FACTORY PROVIDED TEMPERATURE AND PRESSURE RELIEF VALVE.
 - TANK SHALL HAVE A THREE-YEAR WARRANTY.
 - WATER HEATER SHALL BE PROVIDED WITH NON-SIMULTANEOUS ELEMENTS.

RECIRCULATION PUMP SCHEDULE

SYMBOL	SERVES	PUMP TYPE	CONNECTION SIZE	FLOW GPM	HEAD (FT)	MOTOR HP	VOLTAGE	PHASE	MANUFACTURER	MODEL NO
RP-1	EWH-1	INLINE	3/4"	3 GPM	10	0.17 hp	120 V	1	GRUNDFOS	ALPHA 15-55 HWR-T

- NOTES:
- PUMP IS SCHEDULED TO BE GRUNDFOS. B&G, TACO, AND ARMSTRONG SHALL BE CONSIDERED EQUIVALENT MANUFACTURERS.
 - PROVIDE WITH TORK TIME CLOCK AND AQUASTAT IF NOT INTEGRAL TO PUMP.
 - PUMP SHALL BE PROVIDED WITH MULTIPLE SPEEDS.



CLIENT

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810 County Road 240 Florence, TX 76527

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42058.23

- 10/10/2025 Construction Documents

DATE DESCRIPTION

ELECTRICAL ABBREVIATIONS			
A AC AFF ALM AAP AC ANSI ASTM ASWG AWP AMP AH AIC AMPL ASC ANN ANT ARCH ARMC AF AV AHJ AUTO XFMR ACP ADC AFC ATS AUX APU	ABOVE COUNTER ABOVE FINISHED FLOOR ALARM ALARM ANNUNCIATOR PANEL ALTERNATING CURRENT AMERICAN NATIONAL STANDARDS INSTITUTE AMERICAN SOCIETY FOR TESTING AND MATERIALS AMERICAN STEEL WIRE GAUGE AMERICAN WIRE GAUGE AMPERE AMPHOUR AMPERE INTERRUPTING CAPACITY AMPLIFIER AMPS SHORT CIRCUIT ANNUNCIATOR ANTENNA ARCHITECT ARMORED CABLE AUDIO FREQUENCY AUDIO VISUAL AUTHORITY HAVING JURISDICTION AUTO TRANSFORMER AUTOMATIC CONTROL PANEL AUTOMATIC DOOR CLOSER AUTOMATIC FREQUENCY CONTROL AUTOMATIC TRANSFER SWITCH AUXILIARY AUXILIARY POWER UNIT	H HD HO HV HP I IESNA IMC J NOT USED K KV KVA KW KWH L LFMC LFMC LV LM LPW M MCB MILO MFR MIN MCA MCC MS N NEC NEMA NFC NFPA NL NC NO NAC	HEAVY DUTY HIGH OUTPUT HIGH VOLTAGE HORSEPOWER ILLUMINATION ENGINEERING SOCIETY OF NORTH AMERICA INTERMEDIATE METAL CONDUIT LIQUIDTIGHT FLEXIBLE METAL CONDUIT LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT LOW VOLTAGE LUMEN LUMENS PER WATT MAIN CIRCUIT BREAKER MAIN LUGS ONLY MANUFACTURER MINIMUM MAIN CIRCUIT AMPS MOTOR CONTROL CENTER MOTOR STARTER NATIONAL ELECTRICAL CODE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION NATIONAL FIRE CODE NATIONAL FIRE PROTECTION ASSOCIATION NIGHT LIGHT NORMALLY CLOSED NORMALLY OPEN NOTIFICATION APPLIANCE CIRCUIT O NOT USED P PB PH PE PEC PVC PWR PA PF
B BKBD BLST BAT BHP BB XFMR BAS	BACKBOARD BALLAST BATTERY BRAKE HORSEPOWER BUCK-BOOST TRANSFORMER BUILDING AUTOMATION SYSTEM	Q NOT USED R RECEPT RGS RNC S SCH SE 1 SPDT SPST SWBD T 3 TSP U UPS UNO V VFD FHO V VA VD W WP WW X NOT USED Y NOT USED Z NOT USED	NATIONAL ELECTRICAL CODE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION NATIONAL FIRE CODE NATIONAL FIRE PROTECTION ASSOCIATION NIGHT LIGHT NORMALLY CLOSED NORMALLY OPEN NOTIFICATION APPLIANCE CIRCUIT COVER PLATE CURRENT CURRENT LIMITING FUSE CURRENT TRANSFORMER RECEPTACLE RIGID GALVANIZED STEEL RIGID NONMETTALIC CONDUIT SCHEDULE SERVICE ENTRANCE SINGLE PHASE SINGLE POLE, DOUBLE THROW SINGLE POLE, SINGLE THROW SWITCHBOARD THREE PHASE TWISTED SHIELDED PAIR UNINTERRUPTIBLE POWER SUPPLY UNLESS NOTED OTHERWISE VARIABLE FREQUENCY DRIVE VERY HIGH OUTPUT VOLT, VOLTS, VOLTAGE VOLT AMPERE VOLTAGE DROP WEATHERPROOF WIREWAY
C C CTV BP CAP CKT CB CCTV COAX CU CRI CG COMM CTRL CC CP CPT CR CS COORD CU COV PL CUR CLF CT	CONDUIT CABLE TELEVISION CANDLE POWER CAPACITOR CIRCUIT CIRCUIT BREAKER CLOSED CIRCUIT TELEVISION COAXIAL CABLE COEFFICIENT OF UTILIZATION COLOR RENDERING INDEX COMMON GROUND COMMUNICATIONS CONTROL CONTROL CONTRACTOR CONTROL PANEL CONTROL POWER TRANSFORMER CONTROL RELAY CONTROL SWITCH COORDINATE COPPER COVER PLATE CURRENT CURRENT LIMITING FUSE CURRENT TRANSFORMER	Q NOT USED R RECEPT RGS RNC S SCH SE 1 SPDT SPST SWBD T 3 TSP U UPS UNO V VFD FHO V VA VD W WP WW X NOT USED Y NOT USED Z NOT USED	NATIONAL ELECTRICAL CODE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION NATIONAL FIRE CODE NATIONAL FIRE PROTECTION ASSOCIATION NIGHT LIGHT NORMALLY CLOSED NORMALLY OPEN NOTIFICATION APPLIANCE CIRCUIT COVER PLATE CURRENT CURRENT LIMITING FUSE CURRENT TRANSFORMER RECEPTACLE RIGID GALVANIZED STEEL RIGID NONMETTALIC CONDUIT SCHEDULE SERVICE ENTRANCE SINGLE PHASE SINGLE POLE, DOUBLE THROW SINGLE POLE, SINGLE THROW SWITCHBOARD THREE PHASE TWISTED SHIELDED PAIR UNINTERRUPTIBLE POWER SUPPLY UNLESS NOTED OTHERWISE VARIABLE FREQUENCY DRIVE VERY HIGH OUTPUT VOLT, VOLTS, VOLTAGE VOLT AMPERE VOLTAGE DROP WEATHERPROOF WIREWAY

ELECTRICAL SYMBOLS - MISC.	
	WALL SWITCH, REFER TO LIGHTING CONTROL MATRIX SCHEDULE FOR ALL CONTROL REQUIREMENTS.
	125V, 20A, 2P, 3W. GROUNDING TYPE DUPLEX RECEPTACLE. "GFCI" DENOTES GROUND FAULT INTERRUPTER, "WP" DENOTES WEATHERPROOF COVER, "AC" DENOTES ABOVE COUNTER MOUNTING, "USB" DENOTES COMBINATION USB DEVICE.
	DOUBLE DUPLEX RECEPTACLE CONSISTING OF TWO 125V, 20A, 2P, 3W. GROUNDING TYPE DUPLEX RECEPTACLES MOUNTED IN A 2-GANG BOX AND CONNECTED TO THE SAME CIRCUIT.
	JUNCTION BOX.
	PHOTOCELL.
	SURFACE MOUNTED SINGLE SECTION PANELBOARD. LABEL INDICATES PANEL NAME.
	SURFACE MOUNTED DISTRIBUTION PANELBOARD. LABEL INDICATES PANEL NAME. REFER TO PANEL SCHEDULE AND RISER DIAGRAM FOR ADDITIONAL INFORMATION.
	CONDUCTORS IN CONDUIT. MINIMUM NUMBER IS (2) #12 AWG + #12 GND. PROVIDE NUMBER OF CONDUCTORS AS REQUIRED FOR SWITCHING INDICATED AND CONTINUING CIRCUITS.
	HOMERUN TO PANELBOARD. REFER TO SPECIFICATIONS FOR LIMITING NUMBER OF CONDUCTORS PER HOMERUN.
	DATA OUTLET.
	DISCONNECT. AMPERAGE, POLES, AND FUSING AS NOTED.
	STARTER/DISCONNECT. AMPERAGE, POLES, AND FUSING AS NOTED.
	SURFACE MOUNTED RACEWAY.
ELECTRICAL SYMBOLS - SECURITY	
	CAM.
	BADGE READER.
ELECTRICAL SYMBOLS - FIRE ALARM	
	ADDRESSABLE FIRE ALARM PULL STATION.
	FIRE ALARM COMBINATION SPEAKER/STROBE UNIT DEVICE. "WG" INDICATES WIRE GUARD.
	FIRE ALARM STROBE UNIT DEVICE. "WG" INDICATES WIRE GUARD.
	FIRE ALARM CONTROL PANEL.
	FIRE ALARM ANNUNCIATOR PANEL.
	SMOKE DETECTOR.

ELECTRICAL SYMBOLS - LIGHTING	
	2'x4' RECESSED LIGHT FIXTURE. UPPER CASE INDICATES TYPE IN SCHEDULE. LOWER CASE INDICATES SWITCH.
	2'x4' RECESSED LIGHT FIXTURE. DIAGONAL MARKING INDICATES EGRESS FIXTURE CONNECTED TO EMERGENCY POWER SUPPLY. UPPER CASE INDICATES TYPE IN SCHEDULE. LOWER CASE INDICATES SWITCH.
	SURFACE/PENDANT/WALL MOUNTED FIXTURE. UPPER CASE INDICATES TYPE IN SCHEDULE. LOWER CASE INDICATES SWITCH.
	SURFACE/PENDANT/ WALL MOUNTED FIXTURE. DIAGONAL MARKING INDICATES EGRESS FIXTURE CONNECTED TO EMERGENCY POWER SUPPLY. UPPER CASE INDICATES TYPE IN SCHEDULE. LOWER CASE INDICATES SWITCH.
	RECESSED COMPACT FIXTURE. UPPER CASE INDICATES TYPE IN SCHEDULE. LOWER CASE INDICATES SWITCH.
	RECESSED COMPACT FIXTURE. DIAGONAL MARKING INDICATES EGRESS FIXTURE CONNECTED TO EMERGENCY POWER SUPPLY. UPPER CASE INDICATES TYPE IN SCHEDULE. LOWER CASE INDICATES SWITCH.
	UNDER COUNTER FIXTURE. UPPER CASE INDICATES TYPE IN SCHEDULE. LOWER CASE INDICATES SWITCH.
	4' UNDER COUNTER FIXTURE. UPPER CASE INDICATES TYPE IN SCHEDULE. LOWER CASE INDICATES SWITCH.
	EXIT SIGN AS SCHEDULED. CONNECTED TO EMERGENCY LIGHTING POWER SUPPLY. ARROWS INDICATE DIRECTIONAL ARROWS. PROVIDE SINGLE OR DOUBLE FACE AS REQUIRED OR INDICATED. UPPER CASE INDICATES TYPE IN SCHEDULE. "WG" INDICATES WIRE GUARD.
	WALL MOUNTED FIXTURE. UPPER CASE INDICATES TYPE IN SCHEDULE. LOWER CASE INDICATES SWITCH.
	EMERGENCY WALL PACK CONNECTED TO EMERGENCY LIGHTING POWER SUPPLY. UPPER CASE INDICATES TYPE IN SCHEDULE.
	CEILING FAN. UPPER CASE INDICATES TYPE IN SCHEDULE. LOWER CASE INDICATES SWITCH.
ELECTRICAL SYMBOLS - SITE	
	UNDERGROUND ELECTRICAL.
	EXISTING UNDERGROUND ELECTRICAL.
	OVERHEAD ELECTRICAL.
	EXISTING OVERHEAD ELECTRICAL.
	UNDERGROUND COMMUNICATIONS CABLE.
	EXISTING UNDERGROUND COMMUNICATIONS CABLE.

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Williamson County Canine Training Facility
Texas Highway Patrol Canine Training and Housing Facility



CLIENT

Department of Public Safety

810 County Road 240 Florence, TX 76527

PROJECT NO.

42058.23

- 10/10/2025 Construction Documents

DATE DESCRIPTION

Electrical Symbols, Legends & Abbreviations

E-001



Williamson County Canine Training Facility
Texas Highway Patrol Canine Training and Housing Facility



CLIENT

Department of Public Safety

810 County Road 240 Florence, TX 76527

PROJECT NO.

42058.23

10/10/2025 Construction Documents

DATE DESCRIPTION

Electrical Site Plan

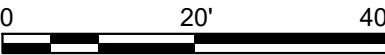
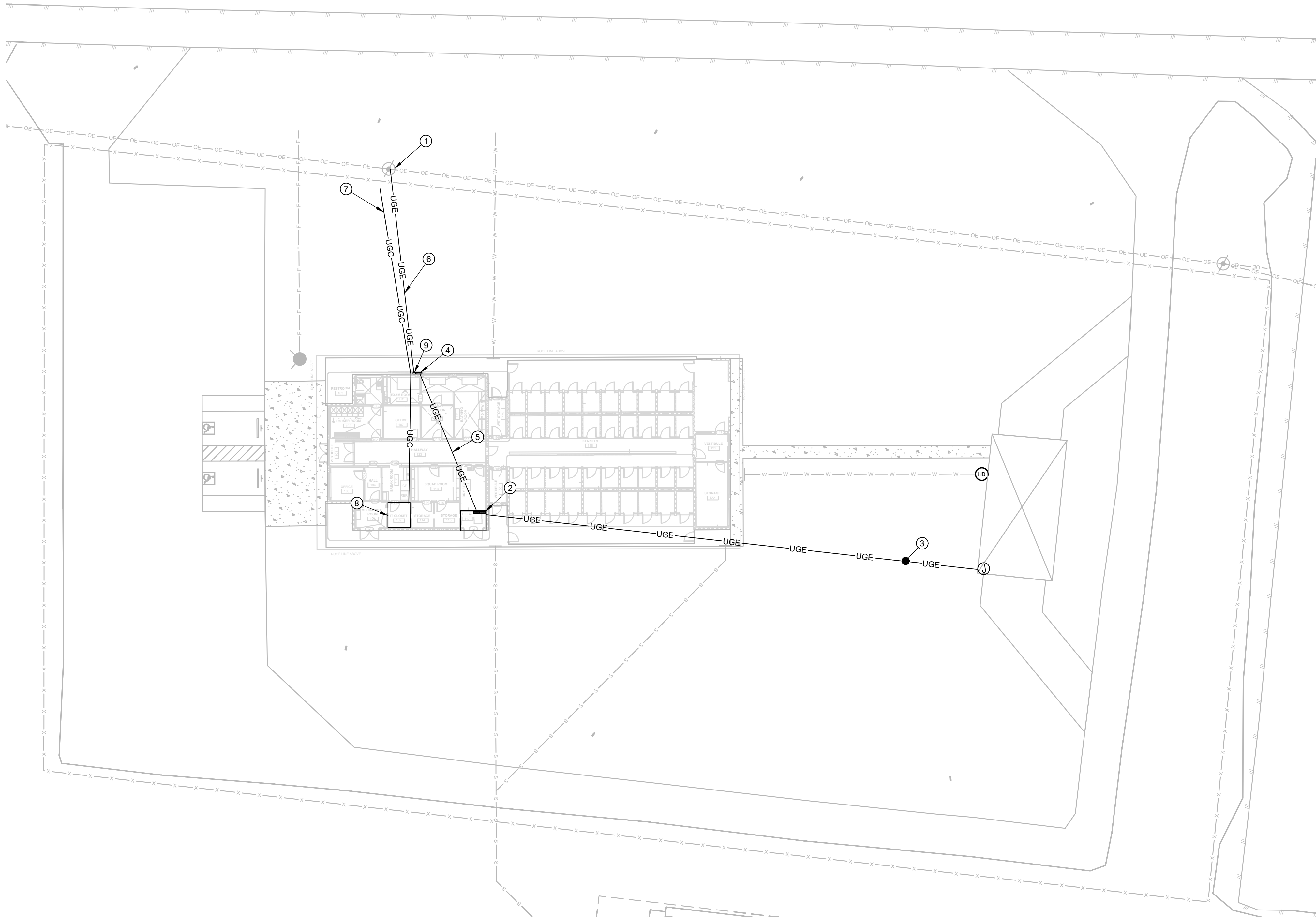
E-100

GENERAL NOTES

- A. COORDINATE WITH THE UTILITY SERVICE PROVIDERS FOR ALL REQUIREMENTS FOR DELIVERING POWER AND COMMUNICATION SERVICE TO THE NEW BUILDING.
- B. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EARTH WORK.

KEY NOTES

- AS INDICATED BY: (10)
- EXISTING ELECTRICAL UTILITY POLE. COORDINATE WITH ELECTRICAL UTILITY, P.E.C., FOR REQUIREMENTS. REFER TO SHEET E-501 FOR ADDITIONAL INFORMATION.
 - APPROXIMATE LOCATION OF MAIN ELECTRICAL ROOM 117.
 - AS PART OF ALTERNATE 1, PROVIDE 1" CONDUIT WITH PULL STRING FROM ELECTRICAL ROOM STUBBED UP TO CANOPY PROVIDED BY SEPARATE ENTITY, CAP AND MARK FOR FUTURE USE. COORDINATE WITH OWNER FOR EXACT LOCATION.
 - PROVIDE 600A/3P, FUSED, NEMA 3R DISCONNECT MOUNTED ON BUILDING.
 - ROUTE UNDERGROUND CONDUIT AND WIRE FROM DISCONNECT FUSED AT 600A TO PROPOSED LOCATION OF PANEL "MDP" IN ELECTRICAL ROOM.
 - UNDERGROUND CONDUIT AND CONDUCTORS FROM ELECTRIC UTILITY POLE TO DISCONNECT MOUNTED ON BUILDING. REFER TO RISER DIAGRAM FOR CONDUIT AND WIRE REQUIREMENTS.
 - PROVIDE A 4" CONDUIT WITH PULL STRING FOR COMMUNICATIONS CABLING FROM EXISTING UTILITY POLE LOCATION TO IT CLOSET 109. STUB UP, CAP AND MARK FOR FUTURE USE AT BOTH ENDS. COORDINATE WITH OWNER FOR EXACT LOCATIONS.
 - APPROXIMATE LOCATION OF IT CLOSET 109.
 - LOCATION OF METER AND CT CABINET(IF REQUIRED), COORDINATE WITH ELECTRIC UTILITY FOR, P.E.C. SO EXACT LOCATION AND SHEET E-501 FOR ADDITIONAL INFORMATION.



A1 Electrical Site Plan
1"=20'-0"



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Williamson County Canine Training Facility
Texas Highway Patrol Canine Training and Housing Facility



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Department of Public Safety

810 County Road 240 Florence, TX 76527

PROJECT NO.

42058.23

-	10/10/2025	Construction Documents
#	DATE	DESCRIPTION

Lighting & Power/Comms Plan

E-111

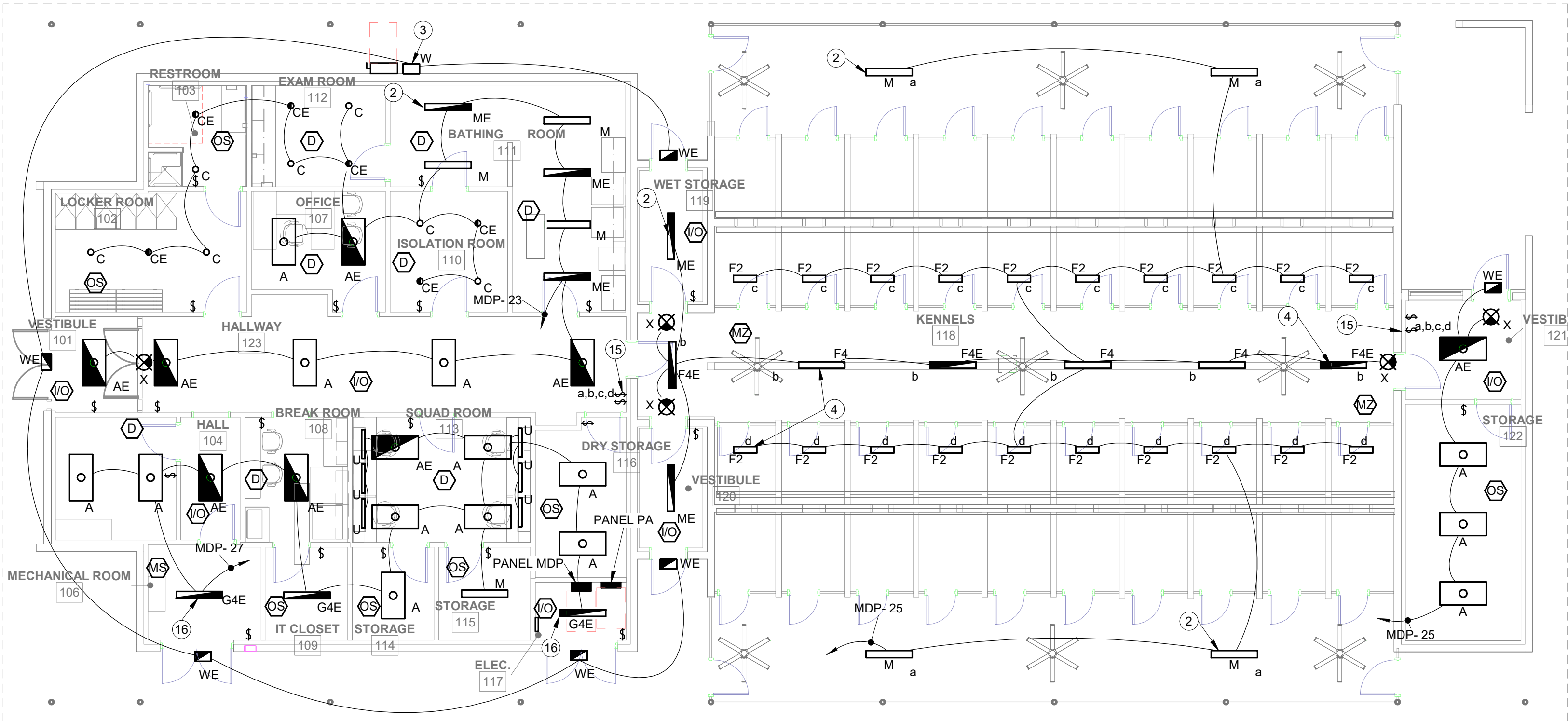
GENERAL NOTES

- COORDINATE LOCATION OF LIGHT FIXTURES WITH OTHER DISCIPLINES TO AVOID CONFLICTS.
- ALL EMERGENCY AND EGRESS LIGHTING SHALL BE CONNECTED TO THE SAME BRANCH CIRCUIT SERVING THE NORMAL LIGHTS AND SHALL BE ON THE LINE SIDE OF RELAYS OR SWITCHING DEVICES.
- ALL EXIT SIGNS SHALL BE CONNECTED FOR CONTINUOUS OPERATION.
- AT LOCATIONS WHERE ROOM LIGHT FIXTURES ARE CONTROLLED THROUGH THE USE OF OCCUPANCY SENSORS, PROVIDE THE NUMBER OF SENSORS AND LOCATE THE UNITS AS REQUIRED FOR COMPLETE ROOM COVERAGE. WHERE MORE THAN ONE SENSOR IS LOCATED IN A COMMON SPACE, CONNECT THE UNITS SUCH THAT DETECTION OF OCCUPANCY FROM EITHER UNIT WILL ENERGIZE THE LIGHTING. WHERE SWITCHES ARE SHOWN IN CONJUNCTION WITH OCCUPANCY SENSORS, CONNECT THE SWITCHES TO DE-ENERGIZE THE LIGHTING INDICATED REGARDLESS OF OCCUPANCY. ADJUST ALL SENSOR TIME DELAYS AND MOTION SENSITIVITIES DURING PROJECT CLOSEOUT TO MEET THE OPERATIONAL FUNCTION OF THE OWNER.
- EXACT LOCATION AND PLACEMENT OF EXIT LIGHTING SHALL BE FIELD DETERMINED TO ENSURE PROPER LINES OF SIGHT.
- PROVIDE DEDICATED NEUTRAL WIRE FOR ALL 120V OR 277V BRANCH CIRCUITS. NO MULTI-WIRE BRANCH CIRCUITS SHALL BE ALLOWED.
- SECURITY AND NETWORK EQUIPMENT WILL BE PROVIDED/INSTALLED BY OWNER. LOCATIONS SHOWN ARE FOR REFERENCE. COORDINATE LOCATIONS OF ALL DEVICES WITH OWNER PRIOR TO ROUGH-IN TO AVOID CONFLICTS WITH MILL WORK.
- OWNER WILL PROVIDE AND INSTALL ALL COMMUNICATIONS CABLING. UNLESS OTHERWISE NOTED, PROVIDE SINGLE GANG BOX AND 3/4" CONDUIT WITH PULL STRING ROUTED TO AN ACCESSIBLE LOCATION ABOVE CEILING FOR SECURITY/DATA DEVICES SHOWN.
- CONTRACTOR SHALL PROVIDE REQUIRED POWER CIRCUITS FOR SECURITY ACCESS CONTROL/VIDEO SURVEILLANCE EQUIPMENT AND COMPONENTS. CONTRACTOR SHALL VERIFY AND COORDINATE REQUIREMENTS WITH OWNER'S SECURITY ACCESS CONTROL/VIDEO SURVEILLANCE CONTRACTOR.

KEY NOTES

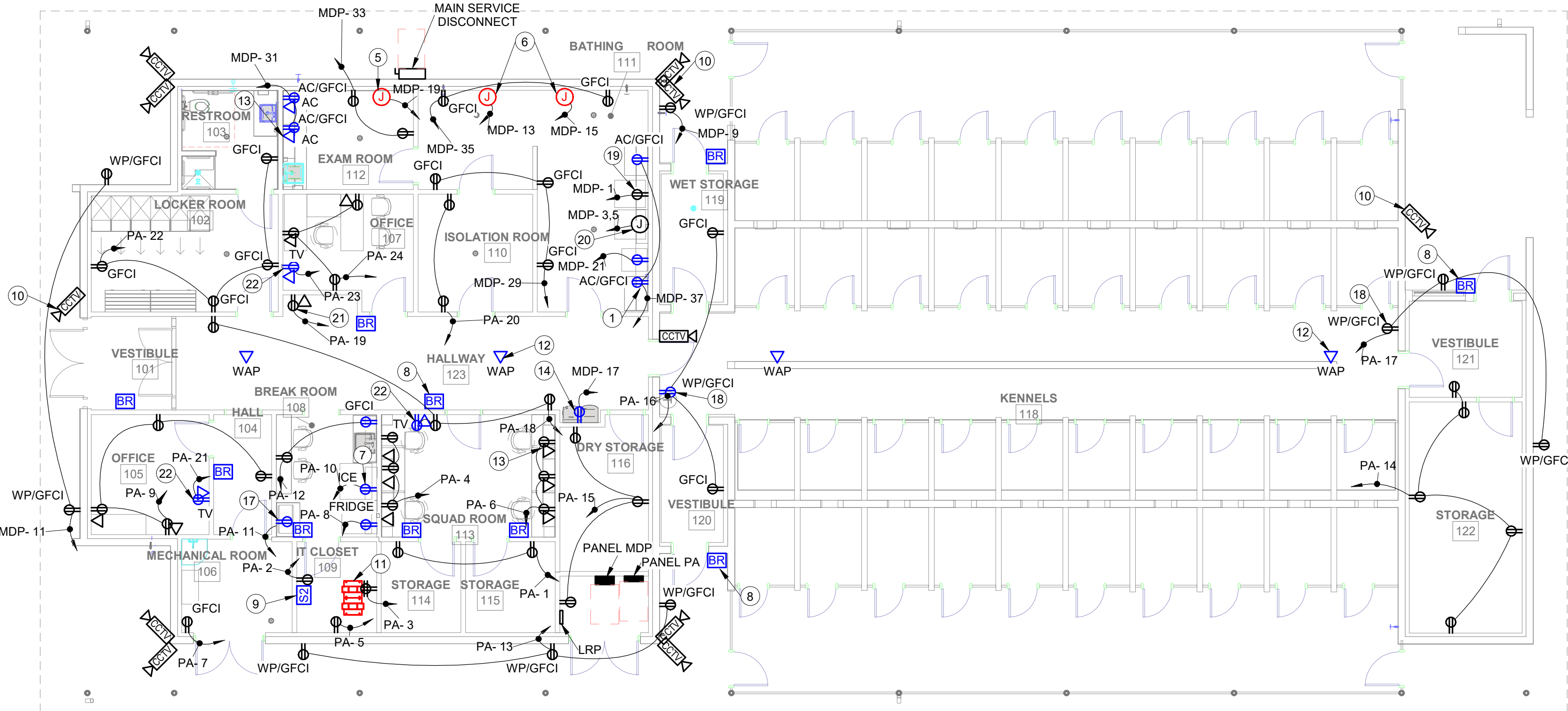
AS INDICATED BY: #

- MOUNT RECEPTACLES NOTED "AC" ABOVE COUNTER. (TYPICAL)
- SURFACE MOUNT LIGHT FIXTURE TYPE "MME" TO CEILING. (TYPICAL)
- SURFACE MOUNT LIGHT FIXTURE "W/W" TO EXTERIOR WALL AT 9'-0" AFF. (TYPICAL)
- SURFACE MOUNT LIGHT FIXTURES TO CEILING IN THIS AREA. COORDINATE WITH MECHANICAL TO AVOID CONFLICTS WITH LOCATION OF FANS. TYPICAL OF FIXTURES "F4", "F4E", AND "F2" IN THIS AREA
- POWER FOR CFCE ELECTRIC EXAM TABLE. PROVIDE (2) #12 AWG + #12 GND IN 3/4" CONDUIT ROUTED TO PANEL INDICATED. REFER TO INSTALLATION MANUAL FOR ELECTRICAL CONNECTION REQUIRED AND ADDITIONAL ELECTRICAL REQUIREMENTS.
- POWER FOR CFCE ELECTRIC DOG GROOMING TUB. PROVIDE (2) #12 AWG + #12 GND IN 3/4" CONDUIT AND ROUTE TO 20A GFCI CIRCUIT BREAKER IN PANEL INDICATED. REFER TO INSTALLATION MANUAL FOR ELECTRICAL CONNECTION REQUIRED AND ADDITIONAL ELECTRICAL REQUIREMENTS.
- POWER FOR ICE MACHINE. PROVIDE (2) #10 AWG + #10 GND IN 3/4" CONDUIT AND ROUTE CIRCUIT TO PANEL INDICATED. PROVIDE A GFI CIRCUIT BREAKER. PROVIDE RECEPTACLE TO MATCH OWNER FURNISHED EQUIPMENT.
- SECURITY BADGE READER DEVICE. COORDINATE WITH SECURITY PROVIDER FOR POWER, CONDUIT AND BOX REQUIREMENTS. COORDINATE WITH OWNER FOR EXACT LOCATION.
- S2 SECURITY EQUIPMENT. COORDINATE WITH SECURITY PROVIDER FOR POWER, CONDUIT AND BOX REQUIREMENTS. COORDINATE WITH OWNER FOR EXACT LOCATION.
- SECURITY CAMERA. COORDINATE WITH SECURITY PROVIDER FOR POWER, CONDUIT AND BOX REQUIREMENTS. COORDINATE WITH OWNER FOR EXACT LOCATION.
- NEW IT RACK PROVIDED AND INSTALLED BY OWNER. COORDINATE WITH IT PROVIDER FOR EXACT LOCATION AND POWER REQUIREMENTS.
- WIRELESS ACCESS DEVICE. COORDINATE WITH IT PROVIDER FOR LOCATION OF BOX, CONDUIT AND POWER REQUIREMENTS.
- TYPICAL DATA DROP. PROVIDE SINGLE GANG BACK BOX AND 3/4" CONDUIT WITH PULL STRING TO AN ACCESSIBLE ABOVE CEILING.
- RECEPTACLE FOR ELECTRIC WATER COOLER. PROVIDE GFI CIRCUIT BREAKER IN PANEL INDICATED. REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION.
- SWITCH BANK FOR LIGHTING CONTROL OF KENNEL AND OUTDOOR AREA LIGHTING ZONES. PROVIDE STANDARD SWITCH OR DIMMER AS REQUIRED/SPECIFIED IN LIGHTING CONTROL SEQUENCE MATRIX ON SHEET E-601.
- SUSPEND LIGHT FIXTURE TYPE "G4E" AT 10'-0" AFF.
- POWER FOR MICROWAVE. COORDINATE WITH ARCHITECTURE FOR MOUNTING HEIGHT.
- MOUNT WP/GFCI RECEPTACLE AT 48" AFF ON THIS WALL.
- POWER FOR CFCE WASHER. PROVIDE (2) #10 AWG + #10 GND IN 3/4" CONDUIT AND ROUTE TO 20A CIRCUIT BREAKER IN PANEL INDICATED. COORDINATE FINAL REQUIREMENTS WITH DRYER MANUFACTURER.
- POWER FOR CFCE DRYER. PROVIDE (3) #10 AWG + #10 GND IN 3/4" CONDUIT AND ROUTE TO 30A/2P CIRCUIT BREAKER IN PANEL INDICATED. PROVIDE NEMA 14-30R DRYER RECEPTACLE. COORDINATE FINAL REQUIREMENTS WITH DRYER MANUFACTURER.
- POWER/DATA FOR PRINTER. REFER TO ARCHITECTURAL FOR EXACT MOUNTING LOCATION. MOUNT RECEPTACLE AND DATA OUTLET NEXT TO EACH OTHER AT 1'-6" AFF.
- POWER/DATA FOR TV MOUNTED ON WALL. REFER TO ARCHITECTURAL FOR EXACT MOUNTING HEIGHT. MOUNT DATA OUTLET NEXT TO RECEPTACLE.



B1 Lighting Plan

1/8" = 1'-0"



A1 Power Plan

1/8" = 1'-0"

0 4' 8' 16'





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Department of Public Safety

810 County Road 240 Florence, TX 76527

PROJECT NO.

42058.23

10/10/2025 Construction Documents

DATE DESCRIPTION

Mechanical Power & Fire Alarm Plan

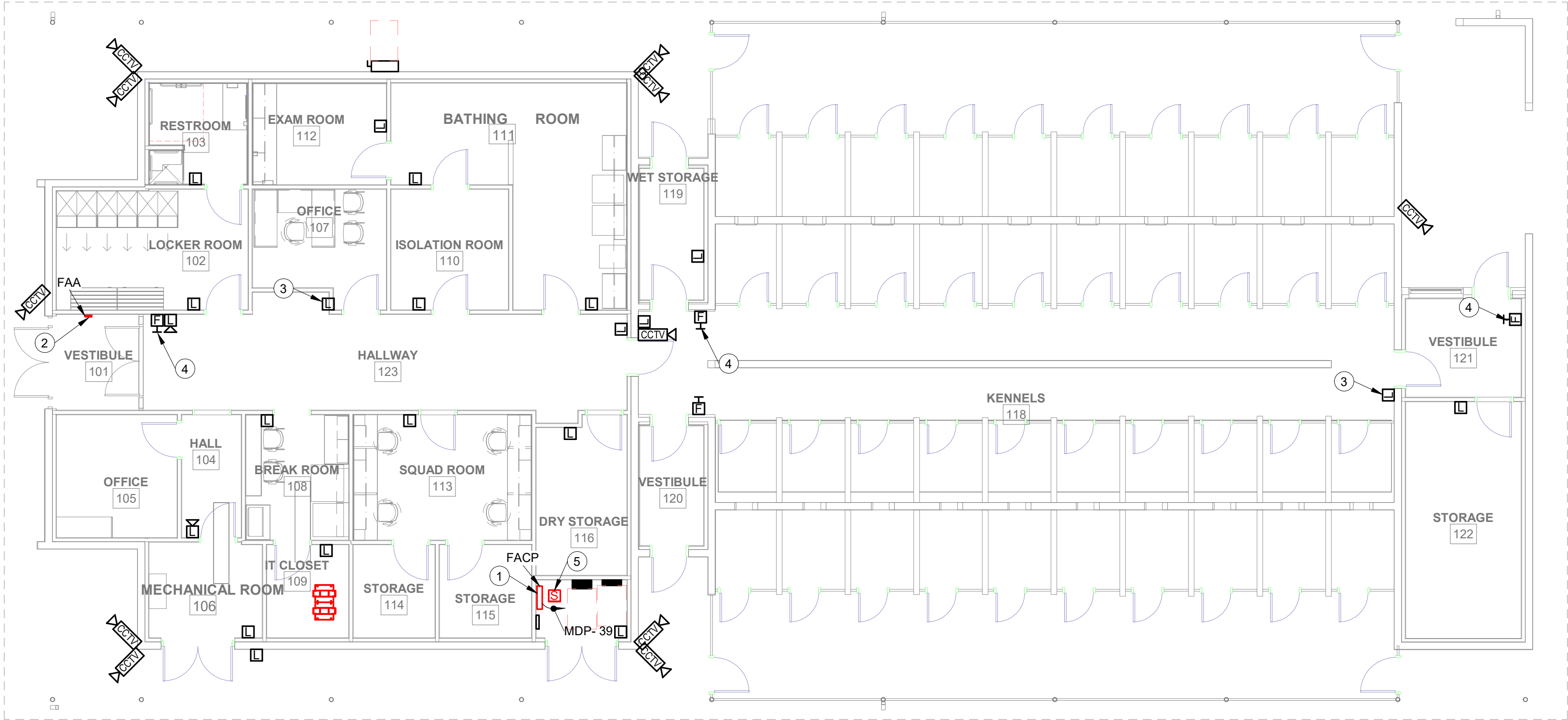
E-121

GENERAL NOTES

- A. REFER TO THE MECHANICAL DRAWINGS FOR THE LOCATION AND NUMBER OF SUPPLY AND RETURN AIR DUCTS. FOR UNITS THAT ARE INDICATED TO HAVE SMOKE DETECTION COVERAGE, PROVIDE THE NUMBER OF DETECTORS AS REQUIRED TO COVER ALL OF THE DUCTS. REFER TO THE MECHANICAL EQUIPMENT ELECTRICAL SCHEDULE FOR BRANCH CIRCUIT REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT.
- C. CONTRACTOR IS RESPONSIBLE FOR PROVIDING CONNECTION OF ALL HVAC AND PLUMBING EQUIPMENT (BUT NOT LIMITED TO RTU'S, AHU'S, FANS, DAMPERS, LOUVERS, PUMPS AND CONTROLS).
- D. PROVIDE DEDICATED NEUTRAL WIRE FOR ALL 120V OR 277V BRANCH CIRCUITS. NO MULTI-WIRE BRANCH CIRCUITS SHALL BE ALLOWED.

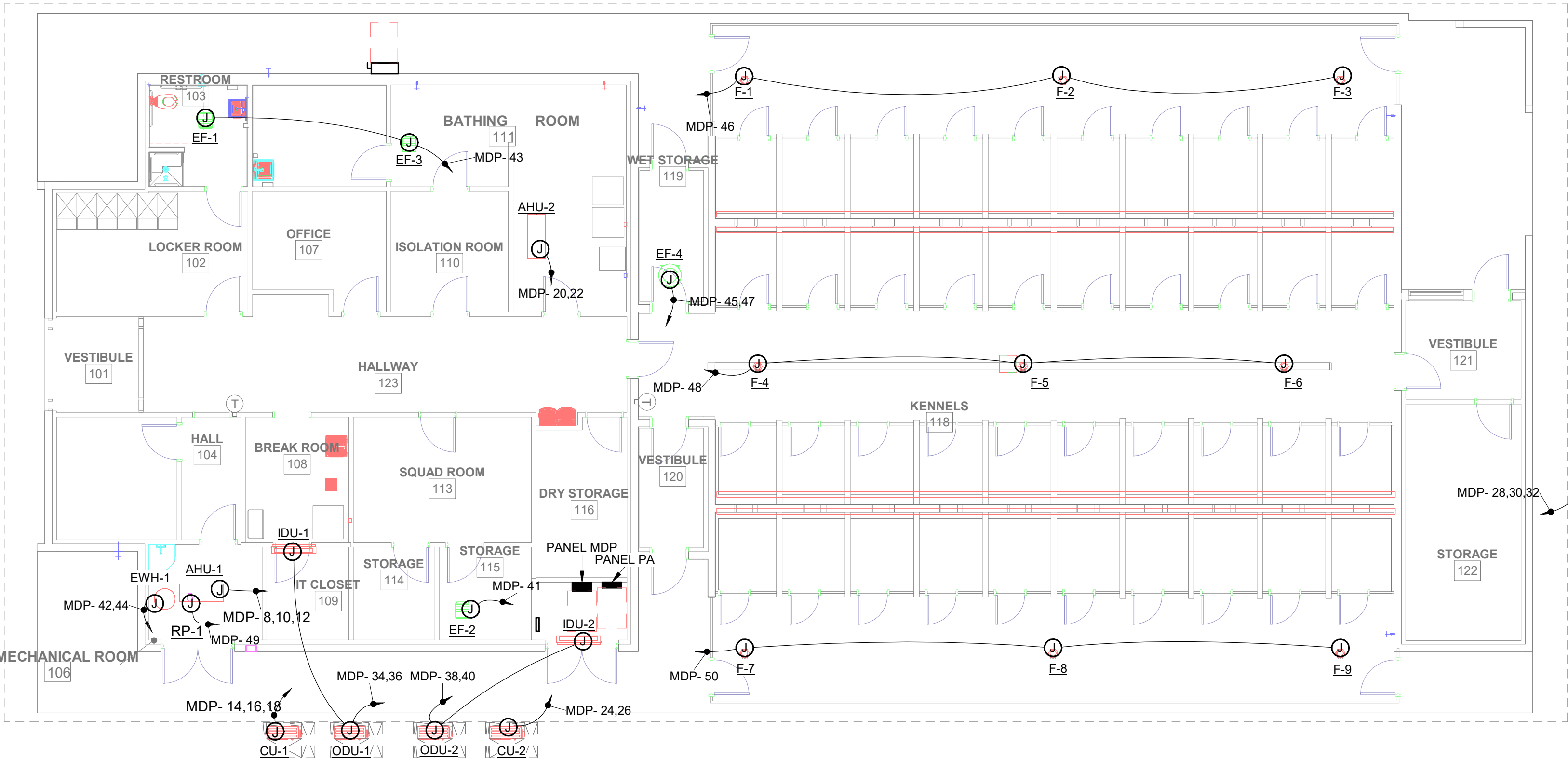
KEY NOTES

- AS INDICATED BY: # —
1. LOCATION OF FIRE ALARM CONTROL PANEL.
2. LOCATION OF FIRE ALARM ANNUNCIATOR.
3. FIRE ALARM STROBE. MOUNT AT 6'-8" AFF. (TYPICAL)
4. FIRE ALARM PULL STATION. MOUNT AT 4'-0" AFF. (TYPICAL)
5. SMOKE DETECTOR FOR COVERAGE OF FIRE ALARM CONTROL PANEL.



B1 Fire Alarm Plan

1/8" = 1'-0"



A1 Mechanical Electrical Power Plan

1/8" = 1'-0"

MECHANICAL EQUIPMENT ELECTRICAL SCHEDULE										
MARK	VOLTAGE	POLES	PANEL	CIRCUIT	BREAKER	CONDUIT	CONDUCTOR	DISCONNECT	NOTE	LOAD
AHU-1	208 V	3	MDP 8,10,12	45 A	1"		(3) #6 AWG + #10 GND	60 A	5	12104 VA
AHU-2	208 V	2	MDP 20,22	25 A	1"		(2) #10 AWG + #10 GND	30 A	5	4160 VA
CU-1	208 V	3	MDP 14,16,18	30 A	1"		(3) #10 AWG + #10 GND	30 A	5	6521 VA
CU-2	208 V	2	MDP 24,26	20 A	1"		(2) #10 AWG + #10 GND	30 A	5	1872 VA
DOAU-1	208 V	3	MDP 28,30,32	125 A	2"		(3) #1 AWG + #6 GND	0 A	2,8	34873 VA
EF-1	120 V	1	MDP 43	15 A	3/4"		(2) #12 AWG + #12 GND	0 A	1,7	200 VA
EF-2	120 V	1	MDP 41	15 A	3/4"		(2) #12 AWG + #12 GND	0 A	1,7	200 VA
EF-3	120 V	1	MDP 43	15 A	3/4"		(2) #12 AWG + #12 GND	0 A	1,7	200 VA
EF-4	208 V	2	MDP 45,47	20 A	3/4"		(2) #10 AWG + #10 GND	0 A	1,7	1664 VA
EW-1	208 V	2	MDP 42,44	60 A	1"		(2) #4 AWG + #10 GND	60 A		9000 VA
F-1	120 V	1	MDP 46	20 A	3/4"		(2) #12 AWG + #12 GND	0 A	6	66 VA
F-2	120 V	1	MDP 48	20 A	3/4"		(2) #12 AWG + #12 GND	0 A	6	66 VA
F-3	120 V	1	MDP 50	20 A	3/4"		(2) #12 AWG + #12 GND	0 A	6	66 VA
F-4	120 V	1	MDP 46	20 A	3/4"		(2) #12 AWG + #12 GND	0 A	6	66 VA
F-5	120 V	1	MDP 46	20 A	3/4"		(2) #12 AWG + #12 GND	0 A	6	66 VA
F-6	120 V	1	MDP 50	20 A	3/4"		(2) #12 AWG + #12 GND	0 A	6	66 VA
F-7	120 V	1	MDP 50	20 A	3/4"		(2) #12 AWG + #12 GND	0 A	6	66 VA
F-8	120 V	1	MDP 48	20 A	3/4"		(2) #12 AWG + #12 GND	0 A	6	66 VA
F-9	120 V	1	MDP 48	20 A	3/4"		(2) #12 AWG + #12 GND	0 A	4	66 VA
IDU-1	208 V	2	MDP 34,36	25 A	3/4"			0 A	4	208 VA
IDU-2	208 V	2	MDP 38,40	15 A	3/4"			0 A	4	208 VA
ODU-1	208 V	2	MDP 34,36	25 A	3/4"		(2) #10 AWG + #10 GND	30 A	5	2288 VA
ODU-2	208 V	2	MDP 38,40	15 A	3/4"		(2) #10 AWG + #10 GND	30 A	5	2288 VA
RP-1	120 V	1	MDP 49	20 A	3/4"		(2) #12 AWG + #12 GND	0 A	3	200 VA

NOTES:

1. PROVIDE A MOTOR RATED SWITCH. OVERLOADS SHALL MATCH MOTOR RATING.
2. PROVIDE AND INSTALL DUCT-MOUNTED SMOKE DETECTOR ON THE RETURN AND SUPPLY SIDE OF UNIT. EXTEND AND CONNECT TO FACP AND COORDINATE WITH MECHANICAL FOR AUTOMATIC SHUTOFF OF UNIT AS REQUIRED.
3. PROVIDE CONNECTION TYPE AS REQUIRED BY MANUFACTURER. IF HARD-WIRED CONNECTION IS REQUIRED, PROVIDE LOCAL DISCONNECT REQUIRED BY EQUIPMENT CONNECTION.
4. THE INDOOR UNITS (IDU UNITS) DERIVE POWER FROM THE ASSOCIATED OUTDOOR UNITS (CU'S). PROVIDE A 20A/3P LOCAL DISCONNECT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS. COORDINATE FINAL CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR. PROVIDE A 3/4" CONDUIT FROM INDOOR UNIT TO OUTDOOR UNIT FOR CONTROL/POWER CABLING.
5. PROVIDE (NEMA 3R) DISCONNECT. COORDINATE INTERFACE AND CONNECTION REQUIREMENTS WITH MECHANICAL.
6. COORDINATE LOCATION OF FAN WALL SWITCHES WITH OWNER, MECHANICAL AND INSTALLER.
7. EXHAUST FANS CONTROLLED THROUGH LIGHT SWITCH. REFER TO LIGHTING CONTROL SEQUENCE MATRIX AND MECHANICAL EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
8. EQUIPMENT PROVIDED WITH INTEGRAL DISCONNECT AND RECEPTACLES.

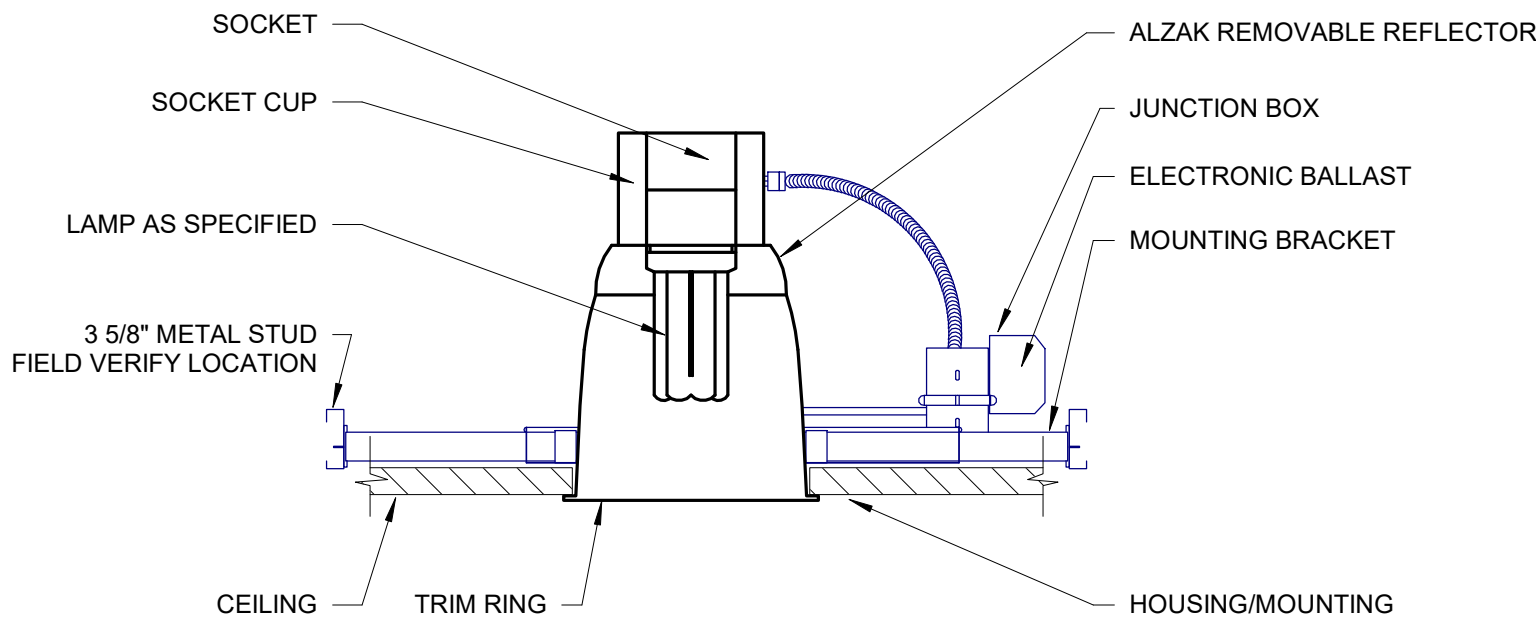
GENERAL NOTES:

- A. ALL EXTERIOR HVAC/MECHANICAL EQUIPMENT SHALL BE PROVIDED WITH NEMA 3R LOCAL DISCONNECT, SIZED TO MATCH EQUIPMENT REQUIREMENTS AS INDICATED

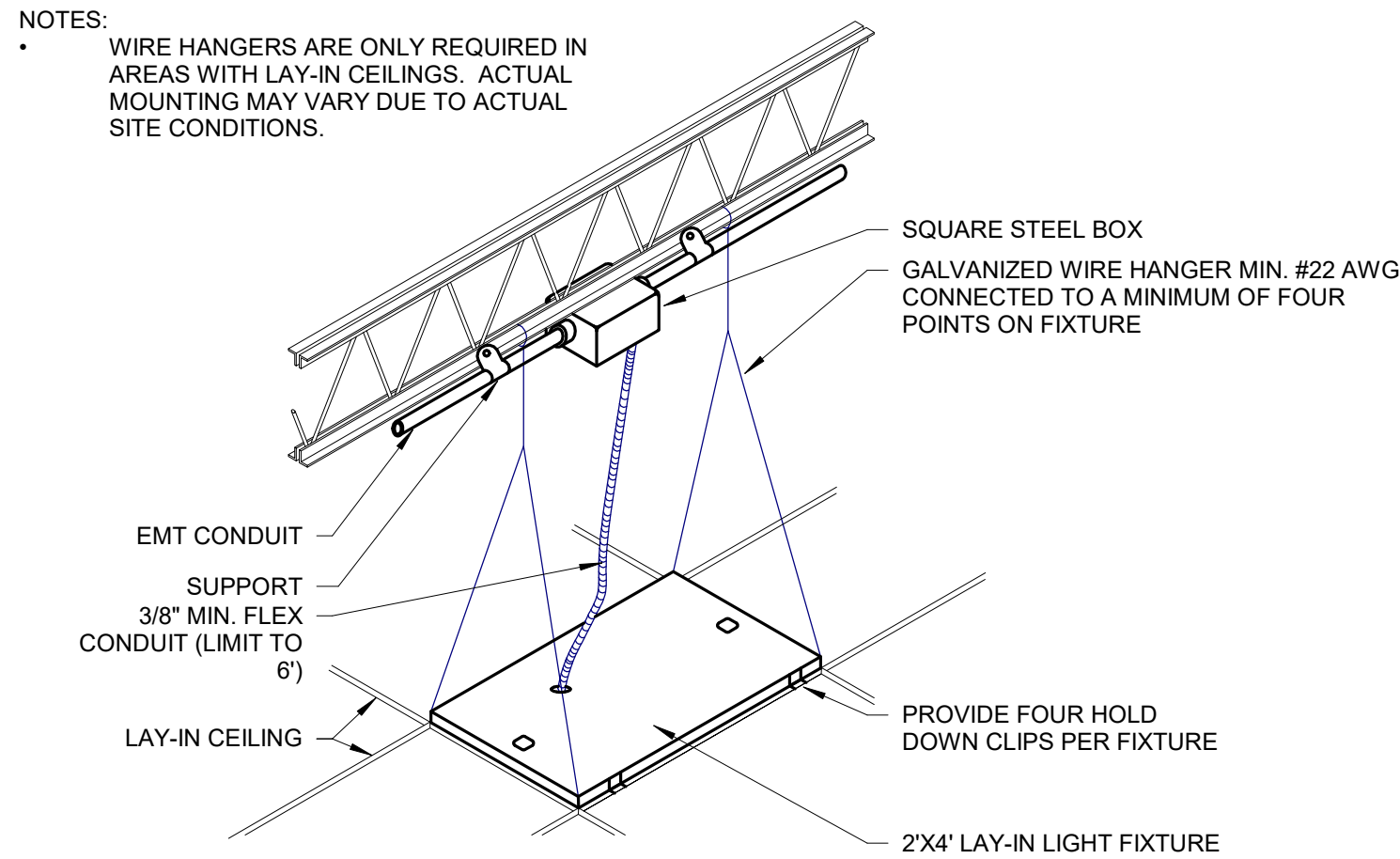
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C1 RECESSED DOWNLIGHT INSTALLATION DETAIL
NTS

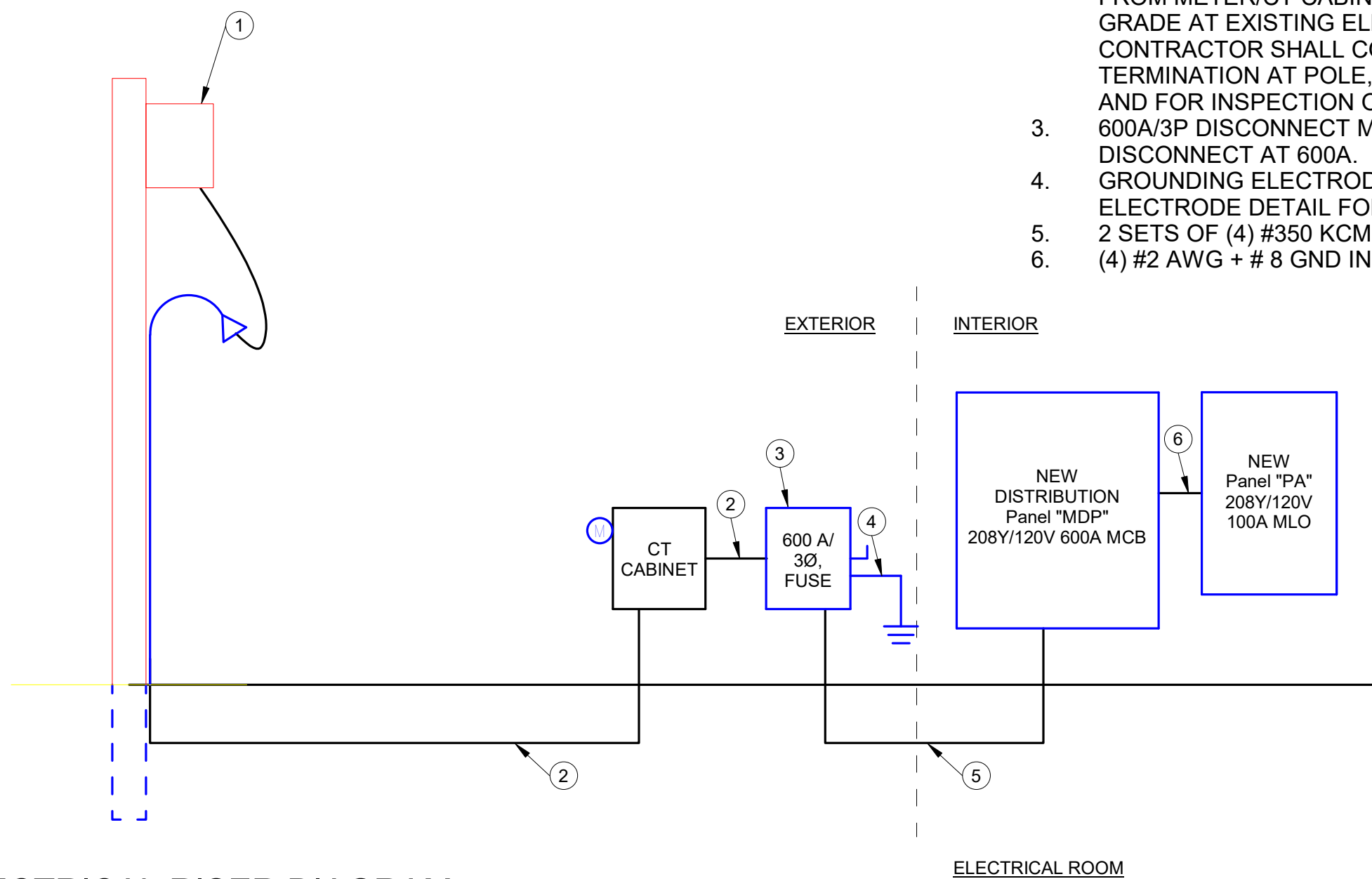


C3 RECESSED LIGHT FIXTURE INSTALLATION DETAIL
NTS

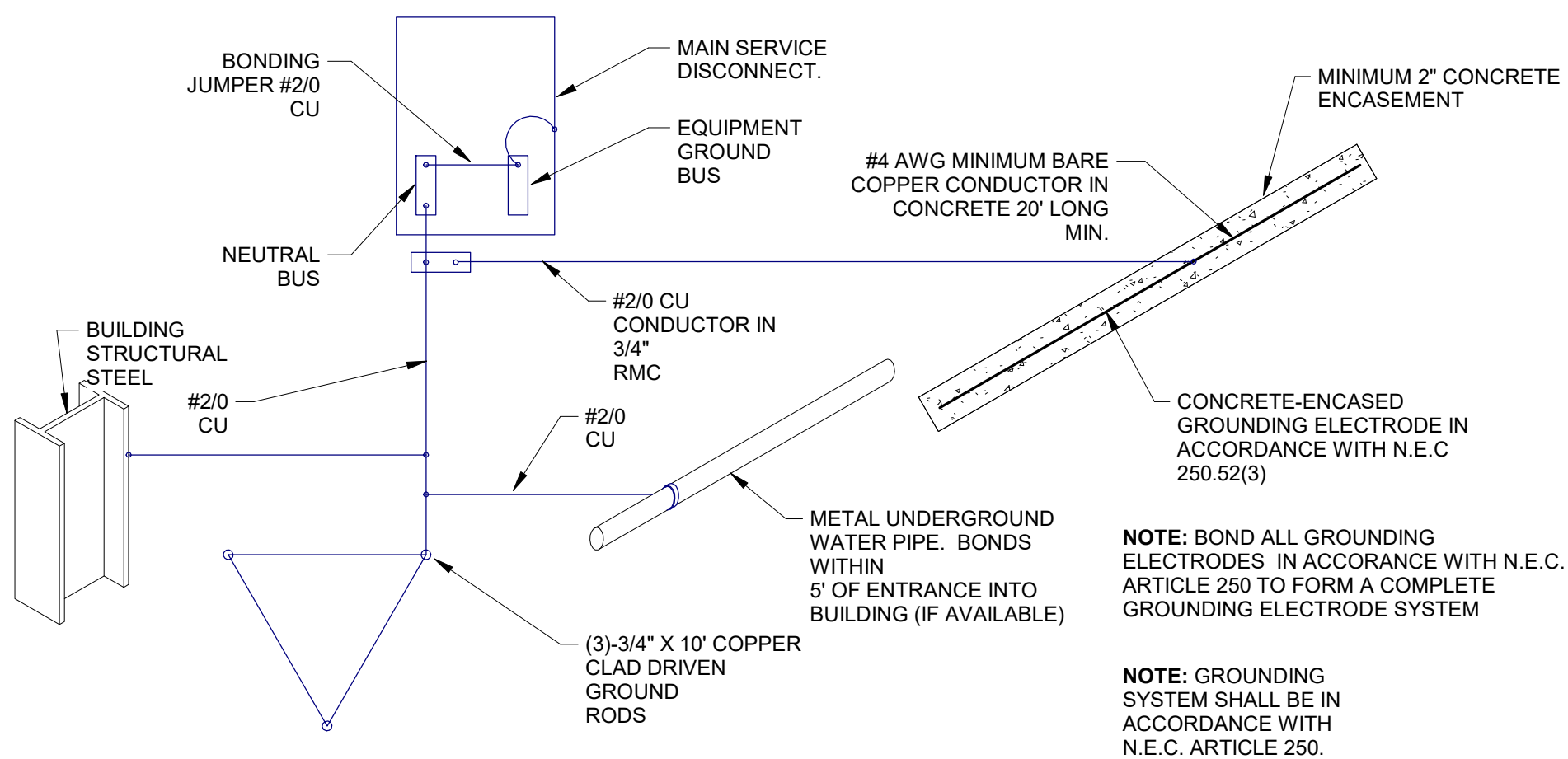
KEYED NOTES

AS INDICATED BY: (#)

- EXISTING POLE MOUNTED UTILITY TRANSFORMER BY ELECTRIC UTILITY, PEC.
- PROVIDE 2 SETS OF (4) #350 KCMIL, EACH SET IN 4" CONDUIT FROM METER/CT CABINET ON BUILDING EXTERIOR TO ABOVE GRADE AT EXISTING ELECTRIC UTILITY POLE. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ELECTRIC UTILITY ON TERMINATION AT POLE, CT CABINET (IF REQUIRED), METERING, AND FOR INSPECTION OF DITCH PRIOR TO COVERING.
- 600A/3P DISCONNECT MOUNTED ON BUILDING EXTERIOR. FUSED DISCONNECT AT 600A.
- GROUNDING ELECTRODE SYSTEM. REFER TO GROUNDING ELECTRODE DETAIL FOR ADDITIONAL INFORMATION.
- 2 SETS OF (4) #350 KCMIL + #1 GND, EACH SET IN 4" CONDUIT.
- (4) #2 AWG + # 8 GND IN 1-1/4" CONDUIT.



A1 ELECTRICAL RISER DIAGRAM
NTS



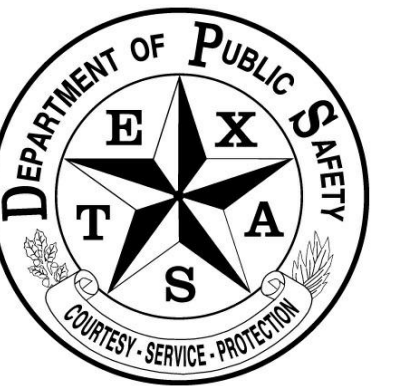
A3 GROUNDING DETAIL
NTS

Parkhill



Parkhill.com

Williamson County Canine
Training Facility
Texas Highway Patrol Canine Training and
Housing Facility



CLIENT

Department of Public Safety

810 County Road 240 Florence, TX
76527

PROJECT NO.

42058.23

10/10/2025 Construction Documents

DATE DESCRIPTION

Electrical Riser
Diagram and
Details

E-501

DESIGNATION	TYPICAL SPACES	DIMMING	OCCUPANCY (AUTO ON)	OCCUPANCY (VACANCY)	STAND ALONE	TIME CLOCK	DESCRIPTION
D	•OFFICES •WORK ROOMS	Yes	No	Yes	Yes	No	•WALL STATION WITH ON/OFF AND 0-10V DIMMING CAPABILITIES. PROVIDE CONNECTION FOR CONTROL OF LIGHTING THROUGH MULTIPLE SWITCH LOCATIONS. •CEILING MOUNTED OCCUPANCY (VACANCY) SENSOR SHALL TURN ALL LUMINAIRES OFF AFTER TIMEOUT (20 MIN.) EXPIRES.
I/O	•CORRIDORS •VESTIBULES	No	Yes	No	Yes	Yes	•ON/OFF WALL SWITCH. PROVIDE CONNECTIONS REQUIRED FOR CONTROL OF LIGHTING THROUGH MULTIPLE SWITCH LOCATIONS. •CEILING MOUNTED OCCUPANCY (AUTO "ON") SENSOR SHALL TURN ALL LUMINAIRES OFF AFTER TIMEOUT (20 MIN.) EXPIRES. SHALL AUTOMATICALLY TURN ALL LUMINAIRES ON TO 100% UPON DETECTION OF MAJOR OR MINOR MOTION. •THIS AREA WILL BE PROGRAMMED WITH TIME CONTROL TO ALLOW FIXTURES TO STAY ON DURING OCCUPIED TIMES (COORDINATE OCCUPIED TIMES AND PROGRAMMING WITH OWNER). LIGHT SWITCH SHALL WLLow FOR OVERRIDE OF OCCUPANCY SENSORS, PHOTOCELLS, AND TIME PROGRAM.
MS	•ELECTRICAL ROOMS •MECHANICAL ROOMS	No	No	No	Yes	No	•ON/OFF WALL SWITCH CONTROL (ONLY) TO AVOID POSSIBLE SAFETY CONCERN OF INADVERTENT OF THAT COULD BE CAUSED BY OCCUPANCY SENSING DEVICES. •(NETWORK CONTROLS NOT REQUIRED. STAND-ALONE CONTROLS ONLY FOR THIS SPACE.)
MZ	•KENNEL AREA	Yes	No	Yes	Yes	No	•PROGRAMMABLE MULTI-BUTTON, MULTI-ZONE TYPE WALL SWITCH WITH 0-10V DIMMING CAPABILITIES. ZONES ARE INDICATED BY LOWER CASE LETTERS ON PLANS INDICATING EACH ZONE OF CONTROL. WALL SWITCH WITH ON/OFF AND 0-10V DIMMING CAPABILITIES. PROVIDE CONNECTIONS REQUIRED FOR CONTROL OF LIGHTING THROUGH MULTIPLE SWITCH LOCATIONS. •OCCUPANCY (VACANCY) SENSOR. PROVIDE TYPES OF OCCUPANCY SENSORS SUITABLE FOR THE APPLICATION. SHALL TURN ALL LUMINAIRES OFF AFTER TIMEOUT (20 MIN.) EXPIRES. •PROVIDE DAY LIGHTING CONTROLS FOR AREAS WITH SKYLIGHTS AND WINDOWS INDICATED ON PLANS BY HATCHED AREA.
OS	•SMALL RESTROOMS •SMALL STORAGE ROOMS •IT CLOSETS	No	No	Yes	Yes	No	•ON/OFF WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR. INTEGRAL OCCUPANCY SENSOR SHALL TURN ALL LUMINAIRES OFF AFTER (20 MIN.) EXPIRES. •(NETWORK CONTROLS NOT REQUIRED. STAND-ALONE CONTROLS ONLY FOR THIS SPACE.)

A. REFER TO PLANS FOR LIGHTING DEVICE LOCATIONS AND OTHER INFORMATION.

B. SYMBOLS PROVIDED IN EACH SPACE (INDICATED IN THE LIGHTING CONTROLS SEQUENCE MATRIX SCHEDULE) ARE INTENDED TO DENOTE THE TYPES OF CONTROLS REQUIRED FOR EACH ASSOCIATED SPACES. THE SWITCH OR DIMMER DEVICE IS EQUIVALENT CATIONS FOR THE CONTROL DEVICES IN EACH ASSOCIATED SPACE.

C. IN ADDITION TO CONTROL TYPES INDICATED, PROVIDE DAYLIGHT CONTROLS IN ALL AREAS SHOWN WITH DAYLIGHTING ZONES (INDICATED BY HATCHED AREAS ON PLANS). DIMMABLE DRIVERS IN EACH DAYLIGHT ZONE TO BE DIMMED SEPARATELY BY ZONE (CURRENT LIGHT LEVEL TO OFF, CONTINUOUS DIMMING, NO STEP DIMMING), DIMMING FUNCTION IN EACH DAYLIGHT ZONE IS TO MAINTAIN EVEN ILLUMINATION ACROSS THE ZONE, BASED ON THE SETTINGS OF THE SWITCHES.

D. PROVIDE NUMBER OF RELAY PACKS, DIMMING RELAY PACKS, OCCUPANCY SENSORS AND PHOTOCELLS FOR COMPLETE AND PROPER OPERATION OF THE LIGHTING SYSTEM.

E. IN COMMON USE SPACES SUCH AS CORRIDORS, LOBBIES, CAFETERIA, AND HUBS/COLABS. PROVIDE CONNECTION TO FIRE ALARM TO BRING LIGHTING IN THESE AREAS/SPACES TO FULL "ON" IN THE EVENT OF AN ALARM.

F. LIGHTING CONTROLS SHALL COMPLY WITH THE REQUIREMENTS OF THE IECC 2018 AND SHALL BE COMMISSIONED IN ACCORDANCE WITH THE REQUIREMENTS OF IECC 408.

G. REFER SPECIFICALLY TO 49 LIGHTING CONTROLS FOR ADDITIONAL REQUIREMENTS.

H. PROVIDE RELAY INTERFACE TO CONTROL EXHAUST FANS EF-1, EF-2 AND EF-3, REFER TO MECHANICAL SCHEDULES ON SHEET M-601 FOR ADDITIONAL DETAILS.

PANELBOARD SCHEDULE											
PANELBOARD:	PA					MIN AIC RATING: 16878					
DISTRIBUTION:	<u>208Y/120V, 3 PHASE, 4 WIRE</u>					MLO <u>100 A</u>					
SUPPLY FROM:	MDP					ENCLOSURE: NEMA 1					
LOCATION:	ELEC. 117					MOUNTING: <u>SURFACE</u>					

C...	TRIP AMPS	POLES	CIRCUIT DESCRIPTION	A	B	C	A	B	C	CIRCUIT DESCRIPTION	POLES	TRIP AMPS	C...
1	20 A	1	RECEPTACLE STORAGE 115	360 VA			1000 VA			RECEPTACLE IT CLOSET 118	1	20 A	2
3	20 A	1	RECEPTACLE IT CLOSET 118		1000 VA			540 VA		RECEPTACLE SQUAD ROOM 121	1	20 A	4
5	20 A	1	RECEPTACLE IT CLOSET 118			180 VA			540 VA	RECEPTACLE SQUAD ROOM 121	1	20 A	6
7	20 A	1	RECEPTACLE MECHANICAL ROOM 115	180 VA			1000 VA			FRIDGE	1	20 A	8
9	20 A	1	RECEPTACLE OFFICE 114		720 VA			1000 VA		ICE MACHINE (NOTE 1)	1	20 A	10
11	20 A	1	RECEPTACLE BREAK ROOM 108			180 VA			360 VA	RECEPTACLE BREAK ROOM 117	1	20 A	12
13	20 A	1	EXTERIOR RECEPTACLE	540 VA			900 VA			RECEPTACLE VESTIBULE 129	1	20 A	14
15	20 A	1	RECEPTACLE DRY STORAGE 124		540 VA			540 VA		RECEPTACLE KENNELS 125	1	20 A	16
17	20 A	1	RECEPTACLE KENNELS 125			540 VA			720 VA	RECEPTACLE VESTIBULE 110	1	20 A	18
19	20 A	1	PRINTER	180 VA			360 VA			RECEPTACLE ISOLATION ROOM 120	1	20 A	20
21	20 A	1	TV - OFFICE 105		180 VA			720 VA		RECEPTACLE LOCKER ROOM 112	1	20 A	22
23	20 A	1	TV - OFFICE 107			180 VA			540 VA	RECEPTACLE OFFICE 116	1	20 A	24
25	20 A	1	SPARE	0 VA			0 VA			SPARE	1	20 A	26
27	20 A	1	SPARE		0 VA			0 VA		SPARE	1	20 A	28
29	--	1	SPACE			--			0 VA	SPARE	1	20 A	30

PHASE TOTALS	LOAD	CURRENT
PHASE A	4520 VA	39 A
PHASE B	5240 VA	45 A
PHASE C	3240 VA	27 A

TOTAL CONNECTED LOAD	13000 VA
ESTIMATED DEMAND LOAD	13000 VA
DEMAND LINE AMPS	36 A

NOTES:
 1. PROVIDE GFI CIRCUIT BREAKER.

TYPE	ELECTRICAL DATA	MANUFACTURER	MODEL	DESCRIPTION
A	120 V/1-40 VA	LITHONIA	CPX-2X4-5000LM-80CRI-40K-SWL-MINI-MVOLT	2X4 FLAT PANEL WITH 5000 LUMENS, 40K TEMP AND 0-10V DIMMING.
AE	120 V/1-40 VA	LITHONIA	CPX-2X4-5000LM-80CRI-40K-SWL-MINI-MVOLT-E10W/CP	SAME AS TYPE "A" EXCEPT WITH EMERGENCY BATTERY PACK.
C	120 V/1-23 VA	LITHONIA	LDN6-40/20-LO6AR-LSS-MVOLT-GZ1	6IN RECESSED DOWNLIGHT, 4000K COLOR TEMP, 2000 LUMEN, CLEAR, SEMI-SPECULAR REFLECTOR, CR180
CE	120 V/1-23 VA	LITHONIA	LDN6-40/20-LO6AR-LSS-MVOLT-GZ1-E10W/CP	SAME AS TYPE "C" EXCEPT WITH EMERGENCY BATTERY PACK.
F2	120 V/1-13 VA	LITHONIA	FEM-L24-2000LM-LPAFL-WD-80CRI-40K	2FT GASKETED SURFACE MOUNT LED LINEAR WITH 3000LM, 40K TEMP AND DIMMING.
F4	120 V/1-18 VA	LITHONIA	FEM-L48-3000LM-LPAFL-WD-MVOLT-GZ10-40K-8-OCRI	4FT GASKETED SURFACE MOUNT LED LINEAR WITH 3000LM, 40K TEMP AND DIMMING.
F4E	120 V/1-18 VA	LITHONIA	FEM-L48-3000LM-LPAFL-WD-MVOLT-GZ10-40K-8-OCRI-E10WMC	SAME AS TYPE "F4" EXCEPT WITH EMERGENCY BATTERY PACK.
G4E	120 V/1-51 VA	LITHONIA	CLX-L48-7000LM-SFF-WDL-WD-MVOLT-GZ1-40K-80CRI-E10W	4FT SUSPENDED UTILITY LED LINEAR WITH 7000LM, 40K TEMP, DIMMING AND EMERGENCY BATTERY BACKUP.
M	120 V/1-38 VA	LITHONIA	FEM-L48-6000LM-LPAFL-WD-MVOLT-GZ10-40K-8-OCRI	4FT GASKETED SURFACE MOUNT LINEAR WITH 6000LM, 40K TEMP AND DIMMING.
ME	120 V/1-38 VA	LITHONIA	FEM-L48-6000LM-LPAFL-WD-MVOLT-GZ10-40K-8-OCRI-E10WMC	SAME AS TYPE "M" EXCEPT WITH EMERGENCY BATTERY PACK.
U	120 V/1-25 VA	JUNO	UPLD-30IN-SWW4-90CRI-WH	UNDERCABINET LIGHTING, SELECTABLE CCT, 30" LONG, WITH INTEGRAL ON/OFF SWITCH.
W	120 V/1-25 VA	LITHONIA	WST-LED-P2-40K-VF-MVOLT-PE-DEBBDX	LED WALL PACK, 3000LM, 4000K COLOR TEMPERATURE, PHOTOCELL CONTROL AND DARK BRONZE FINISH.
WE	120 V/1-25 VA	LITHONIA	WST-LED-P2-40K-VF-MVOLT-PE-E7WC-DEBBDX	SAME AS TYPE W EXCEPT WITH EMERGENCY BATTERY PACK.
X	120 V/1-7 VA	LITHONIA	LE-S-1-R-ELN-SD	LED EXIT SIGN WITH RED LETTERING, UNIVERSAL MOUNT, BATTERY BACK UP AND SELF-DIAGNOSTICS OPTION

- | C... | TRIP AMPS | POLES | CIRCUIT DESCRIPTION | A | B | C | A | B | C | CIRCUIT DESCRIPTION | POLES | TRIP AMPS | C... |
|------|-----------|-------|------------------------------|---------|---------|---------|----------|----------|----------|---------------------|-------|-----------|------|
| 1 | 20 A | 1 | WASHER | 1000 VA | | | 4520 VA | | | | | | 2 |
| 3 | | | | | 2500 VA | | | 5240 VA | | | | | 4 |
| 5 | 30 A | 2 | DRYER | | | 2500 VA | | | 3240 VA | PANEL PA | 3 | 100 A | 6 |
| 7 | 20 A | 1 | EXTERIOR LIGHTING | 150 VA | | | 4035 VA | | | | | | 8 |
| 9 | 20 A | 1 | EXTERIOR RECEPTACLE | | 180 VA | | | 4035 VA | | AHU-1 | 3 | 30 A | 10 |
| 11 | 20 A | 1 | EXTERIOR RECEPTACLE | | | 360 VA | | | 4035 VA | | | | 12 |
| 13 | 20 A | 1 | DOG WASH TABLE - 1 (NOTE 1) | 1500 VA | | | 2174 VA | | | | | | 14 |
| 15 | 20 A | 1 | DOG WASH TABLE - 2 (NOTE 1) | | 1500 VA | | | 2174 VA | | CU-1 | 3 | 45 A | 16 |
| 17 | 20 A | 1 | WATER FOUNTAIN (NOTE 1) | | | 180 VA | | | 2174 VA | | | | 18 |
| 19 | 20 A | 1 | EXAM TABLE (NOTE 1) | 1500 VA | | | 2080 VA | | | | | | 20 |
| 21 | 20 A | 1 | REFRIGERATOR | | 1000 VA | | | 2080 VA | | AHU-2 | 2 | 25 A | 22 |
| 23 | 20 A | 1 | LIGHTING LOCKER ROOM 102 | | | 806 VA | | | 936 VA | | | | 24 |
| 25 | 20 A | 1 | LIGHTING STORAGE 128 | 802 VA | | | | 936 VA | | CU-2 | 2 | 20 A | 26 |
| 27 | 20 A | 1 | LIGHTING MECHANICAL ROOM 106 | | 779 VA | | | 11624... | | | | | 28 |
| 29 | 20 A | 1 | RECEPTACLE BATHING ROOM 119 | | | 540 VA | | | 11624... | DOAU-1 | 3 | 125 A | 30 |
| 31 | 20 A | 1 | RECEPTACLE EXAM ROOM 112 | 180 VA | | | 11624... | | | | | | 32 |
| 33 | 20 A | 1 | RECEPTACLE EXAM ROOM 112 | | 180 VA | | | 1248 VA | | | | | 34 |
| 35 | 20 A | 1 | RECEPTACLE BATHING ROOM 119 | | | 360 VA | | | 1248 VA | IDU/ODU-1 | 2 | 25 A | 36 |
| 37 | 20 A | 1 | RECEPTACLE BATHING ROOM 119 | 360 VA | | | 1248 VA | | | IDU/ODU-2 | 2 | 15 A | 38 |
| 39 | 20 A | 1 | FACP | | 1000 VA | | | 1248 VA | | | | | 40 |
| 41 | 15 A | 1 | EF-2 | | | 200 VA | | | 4500 VA | | | | 42 |
| 43 | 15 A | 1 | EF-1/EF-3 | 400 VA | | | 4500 VA | | | EWH-1 | 2 | 60 A | 44 |
| 45 | 15 A | 2 | EF-4 | | 832 VA | | | 198 VA | | F-1,F-2,F-3 | 1 | 20 A | 46 |
| 47 | | | | | | 832 VA | | | 198 VA | F-1,F-2,F-3 | 1 | 20 A | 48 |
| 49 | 20 A | 1 | RP-1 | 200 VA | | | 198 VA | | | F-4,F-5,F-6 | 1 | 20 A | 50 |
| 51 | 20 A | 1 | SPARE | | 0 VA | | | 0 VA | | F-7,F-8,F-9 | 1 | 20 A | 52 |
| 53 | 20 A | 1 | SPARE | | | 0 VA | | 0 VA | | SPARE | 1 | 20 A | 54 |
| 55 | 20 A | 1 | SPARE | 0 VA | | | 0 VA | | | SPARE | 1 | 20 A | 56 |
| 57 | 20 A | 1 | SPARE | | 0 VA | | 0 VA | | | SPARE | 1 | 20 A | 58 |
| 59 | 20 A | 1 | SPARE | | | 0 VA | | 0 VA | | SPARE | 1 | 20 A | 60 |

1. PROVIDE GFI CIRCUIT BREAKER.



Department of Public Safety

810 County Road 240 Florence, TX
76527

PROJECT NO.
42058.23

- 10/10/2025 Construction Documents

#	DATE	DESCRIPTION
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E-601