

RENOVATIONS TO 2100 AREA BARRACKS CAMP BLANDING JOINT TRAINING CENTER STARKE, FLORIDA CFMO P/N: 218042

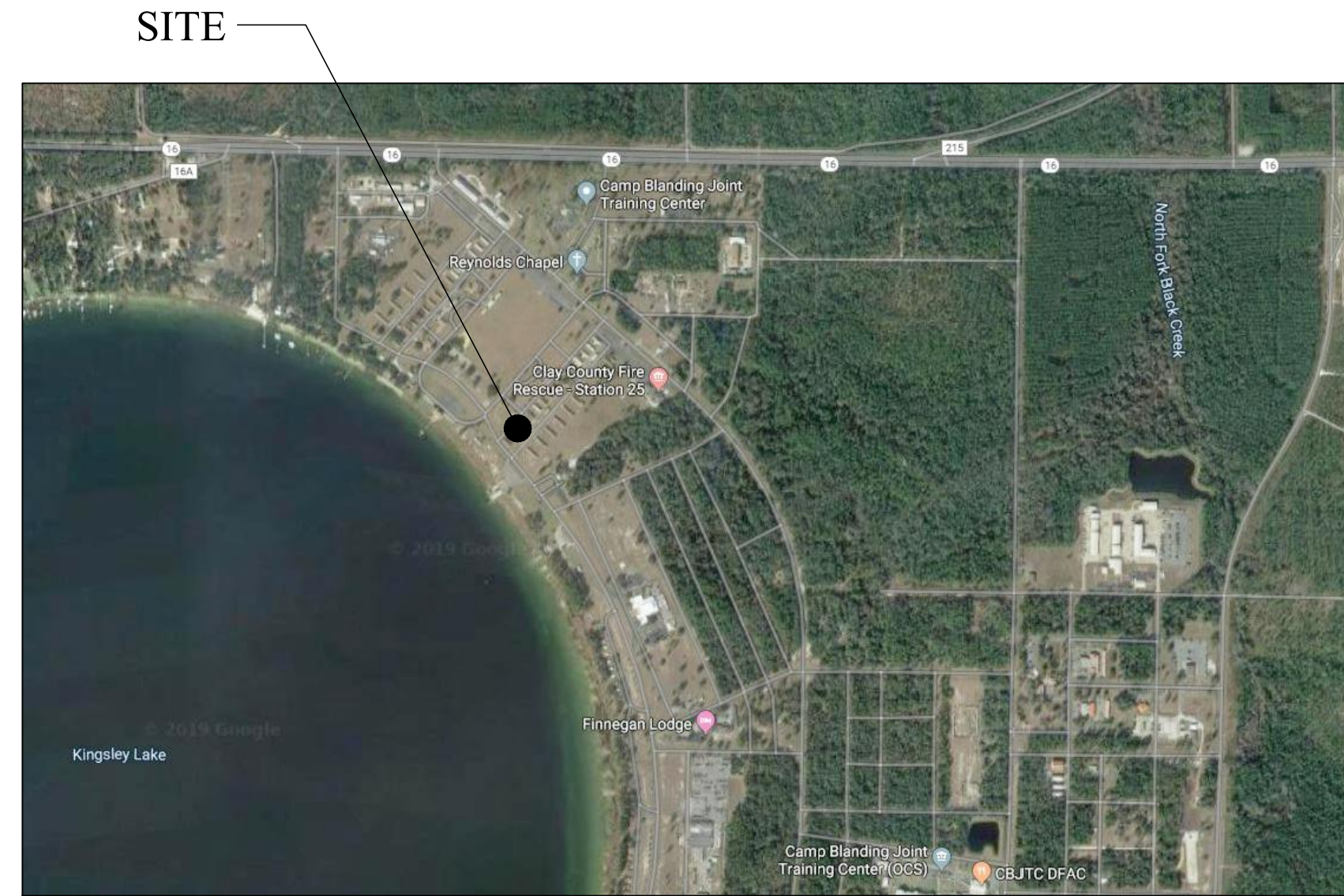
ALTERNATE BID ITEMS

CONTRACTOR TO SEE SPECIFICATION SECTION 01 97 00 FOR ADDITIONAL INFORMATION

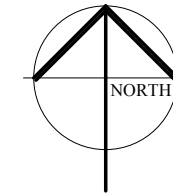
- 2.1. ABI #1 - NEW STANDING SEAM ROOFING SYSTEM:
 - 2.1.1. Provide and install a standing seam metal roofing system with self-healing, self-adhering underlayment at all roof areas of the facility. System to be provided shall include all accessories, flashing, sealant, etc. required for a complete installation, meet all design wind speeds/loads and meet manufacturer
- 2.2. ABI #2 - Paint finish at CMU walls at interior:
 - 2.2.1. The Contractor shall provide and install a painted finish to all CMU walls that will remain exposed at the completion of construction at the interior of the building(s). See Contract Documents and Section 09 80 00, Painting for additional information.
- 2.3. ABI #3 - Exterior CMU wall metal framing, insulation and drywall finish at interior surfaces:
 - 2.3.1. The Contractor shall provide and install 1-1/2" rigid insulation, 2-1/2" metal framing and 5/8" abuse resistant drywall at the interior surface of all exterior CMU walls with the exception of exterior plumbing walls shown on the Drawings. See Drawings for additional information regarding the proposed construction of this wall type.
 - 2.3.2. Drywall shall receive a paint finish as indicated in Section 09 80 00, Painting.
 - 2.3.3. Contractor shall provide and install rubber wall base at all areas affected by this ABI. See Section 09 32 00, Rubber Base for additional information.
- 2.4. ABI #4 - CMU wall interior ceramic tile finish:
 - 2.4.1. The Contractor shall provide and install porcelain ceramic wall tile at walls within the Latrine, Room 103 at each building. Wall tile shall be provided to the extents as shown on the Drawings and at a minimum at the following locations: walls outside of the shower areas (full height of walls), wet wall behind water closets and urinals (6'-0" high wainscot), and wet walls beneath sinks (entire wall surface beneath the countertop). See drawings for additional information as applies.
- 2.5. ABI #5 - Exterior stucco finish system:
 - 2.5.1. Provide and install a stucco finish system at all exterior walls of each of the buildings. System provided shall include all accessories, trim, flashing, sealant, etc. required for a complete installation and to meet manufacturer requirements for warranty purposes. All finished stucco surfaces shall receive an elastomeric paint finish as noted elsewhere in the Contract Documents.
- 2.6. ABI #6 - Exterior split-face CMU wainscot and cast stone cap:
 - 2.6.1. Provide and install a split-face CMU wainscot and cast stone cap at all exterior walls of each of the buildings. System provided shall include all accessories, trim, flashing, sealant, etc. required for a complete installation and to meet manufacturer requirements for warranty purposes.

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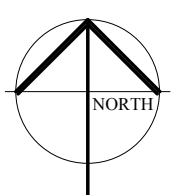
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VICINITY MAP



PROJECT LOCATION MAP



ARCHITECT

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CIVIL ENGINEER

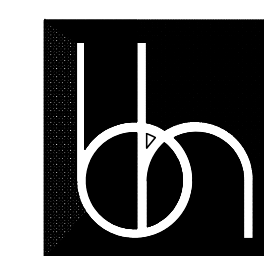
MICHELE AGEE, P.E., P.A.
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Phone: (904) 264-9914
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MECHANICAL & PLUMBING ENGINEER

M V CUMMINGS ENGINEERS, INC.
6501 ARLINGTON EXPRESSWAY #B211
JACKSONVILLE, FL 32211
Phone: (904) 724-0660
CERT. LIC. #

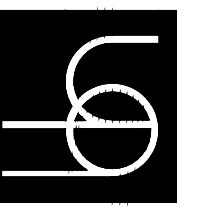
ELECTRICAL ENGINEER

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CERT. LIC. #



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17 APRIL 2020
BH PROJECT NO. 18038

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Renovations to 2100 Area Barracks
Camp Blanding Joint Training Center
Starke, Florida
CFMO PROJECT NO: 218042

Architect License No.
BRIAN SAWYER AR0091953

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REVISIONS

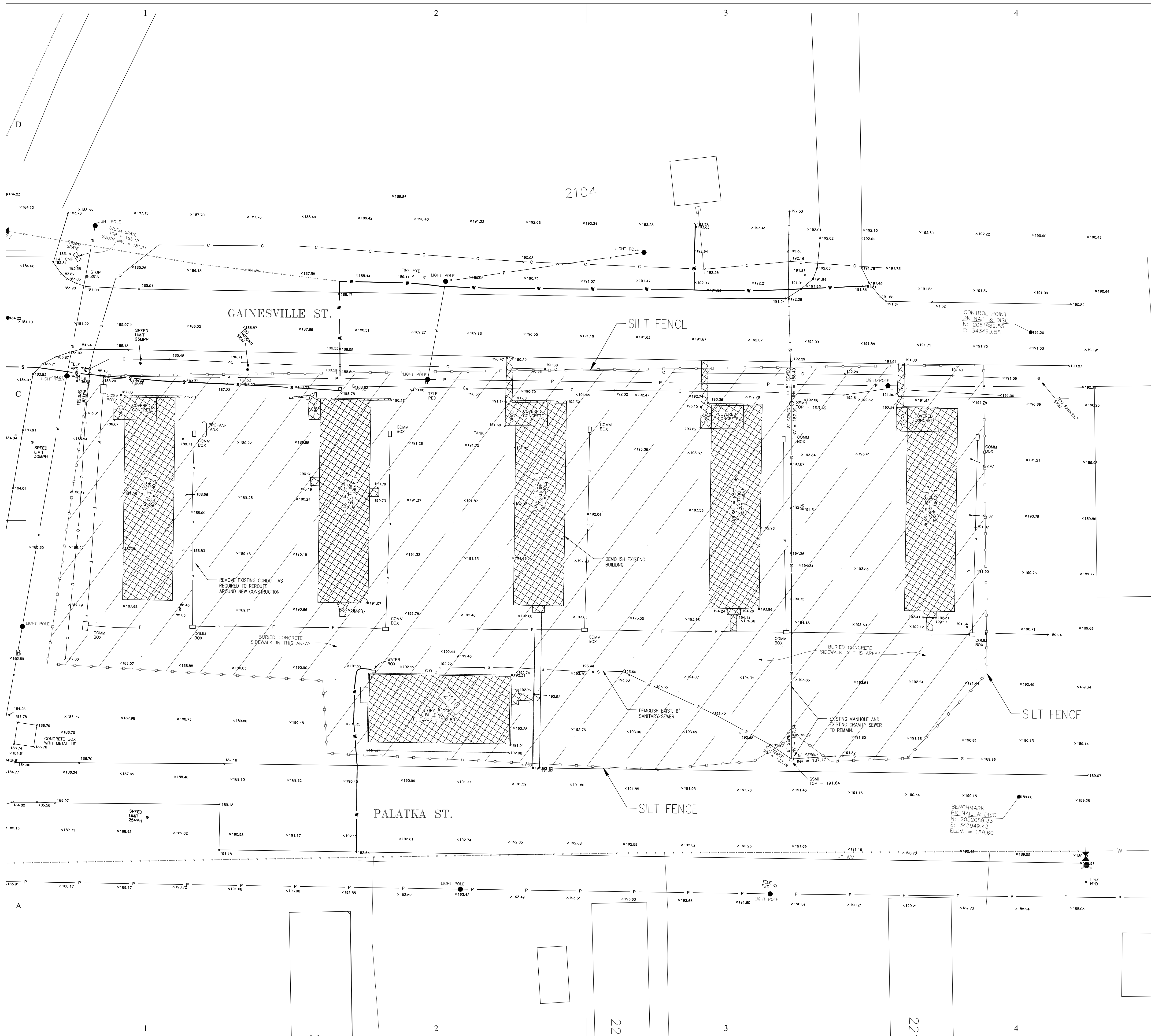
COVER SHEET

DATE 4-17-2020
D.B. B.S.S.
C.B. B.S.S.
JOB NO. 18038

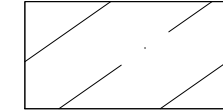
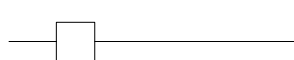
G001
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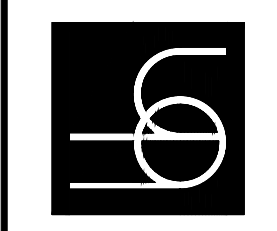
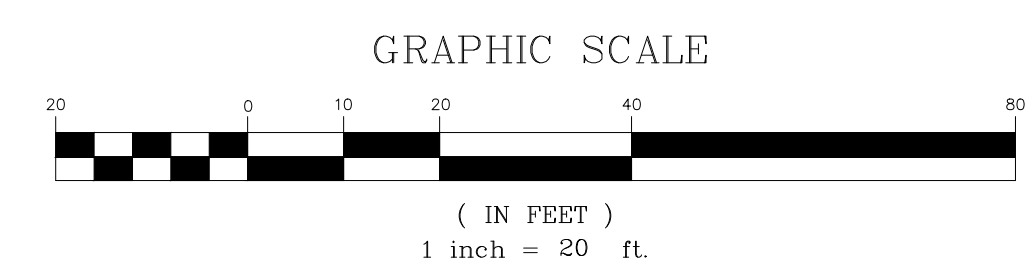
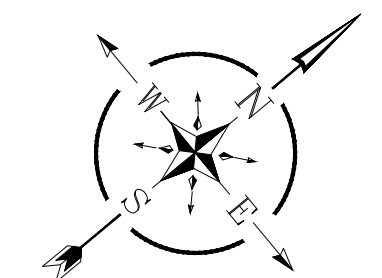
DEMOLITION NOTES:

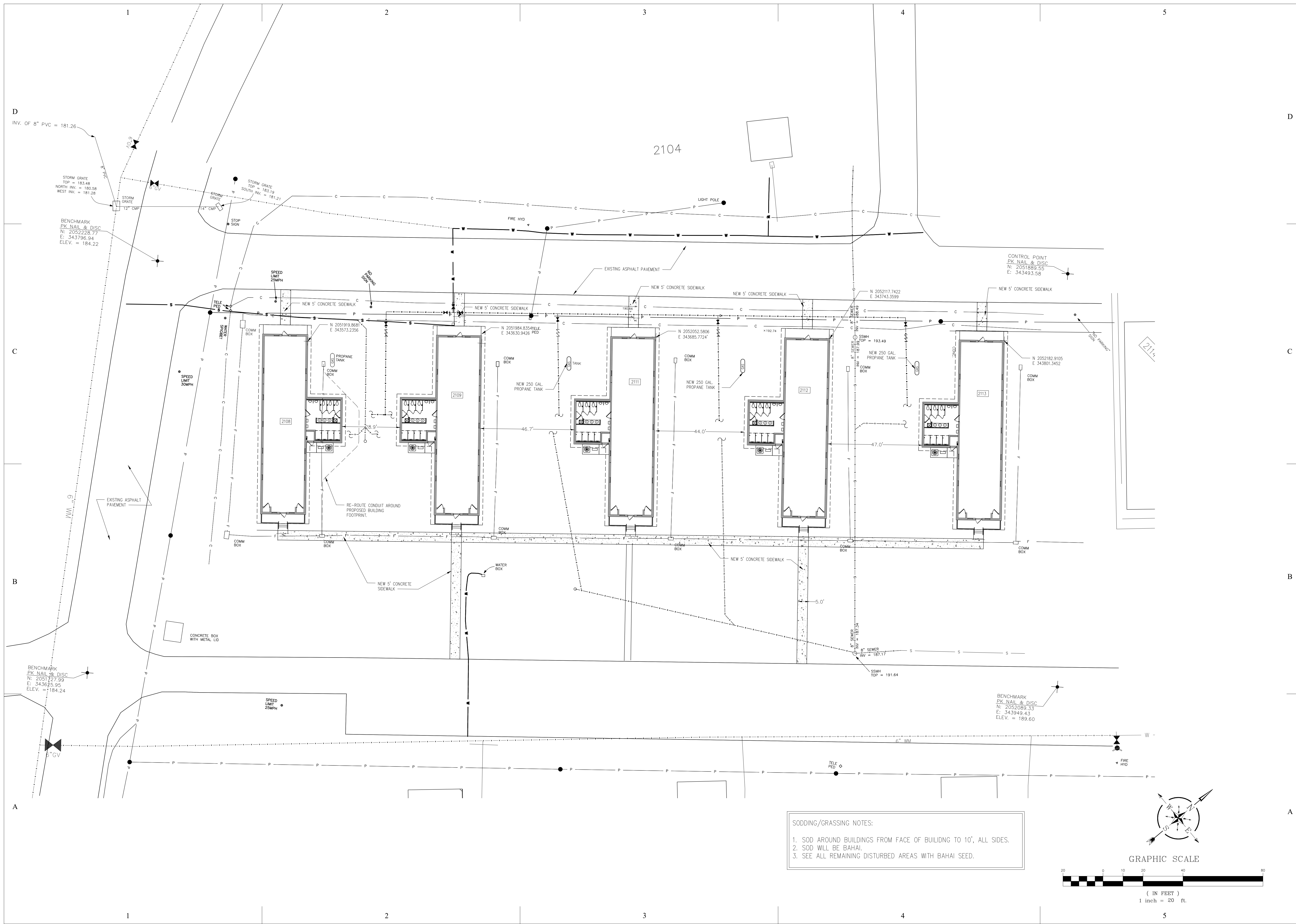
1. REMOVE BUILDING AND VEGETATION WITHIN LIMITS OF CLEARING. DISPOSE OF REMOVED DEBRIS OFF-SITE AT A CERTIFIED CONSTRUCTION REFUSE FACILITY.
2. DISCONNECT WATER AND SEWER SERVICES. DO NOT DAMAGE WATER AND SEWER MAINS AS THESE MAINS MAY BE RE-USED FOR THE WATER AND SEWER SERVICES.



LEGEND

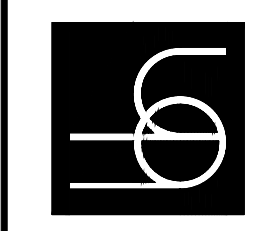
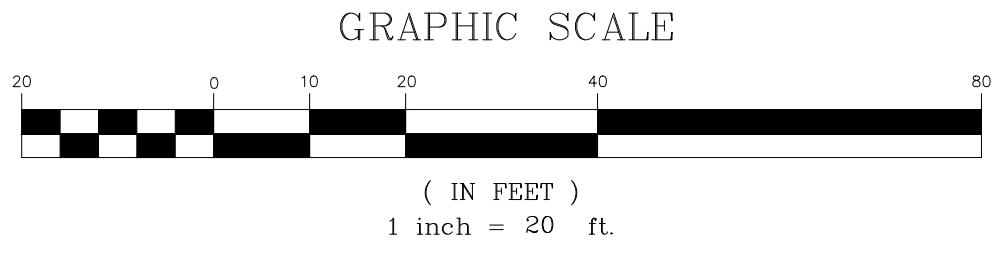
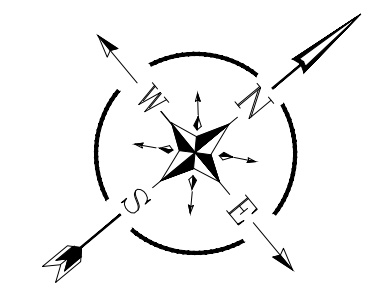
-  AREA TO BE CLEARED
-  SILT FENCE





SODDING/GRASSING NOTES:

1. SOD AROUND BUILDINGS FROM FACE OF BUILDING TO 10', ALL SIDES.
2. SOD WILL BE BAHAI.
3. SEE ALL REMAINING DISTURBED AREAS WITH BAHAI SEED.



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 PE # 49142

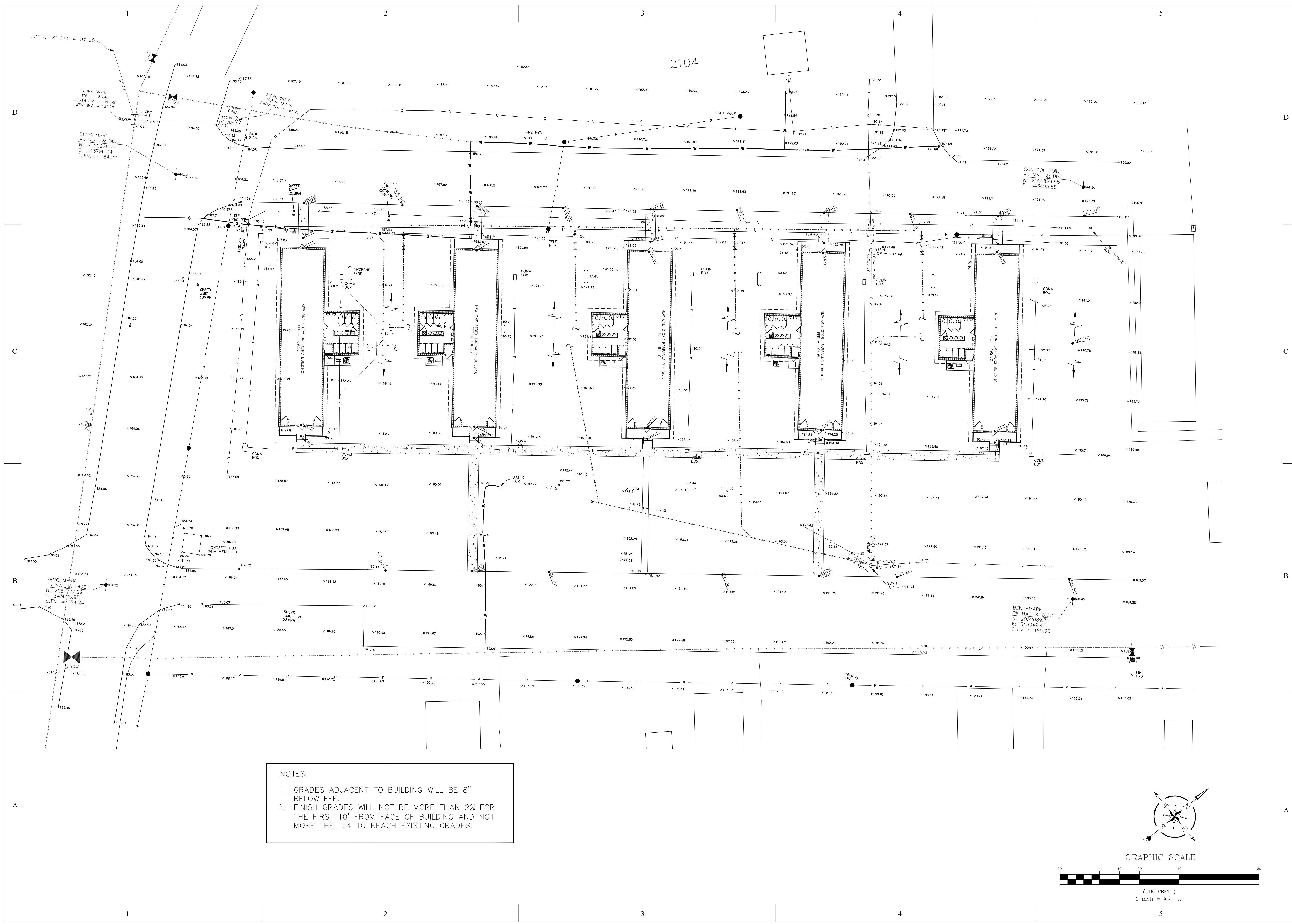
REVISIONS

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HORIZONTAL CONTROL PLAN

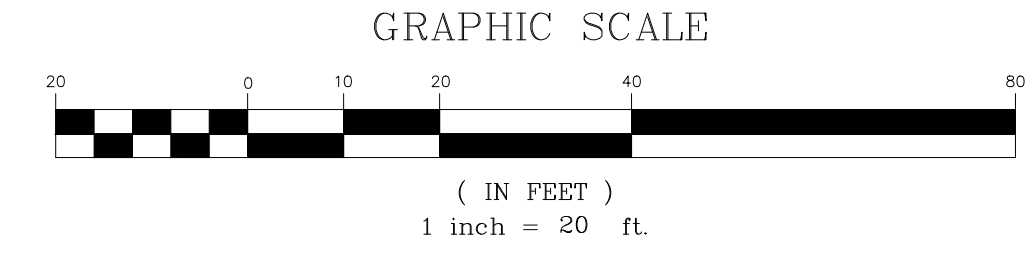
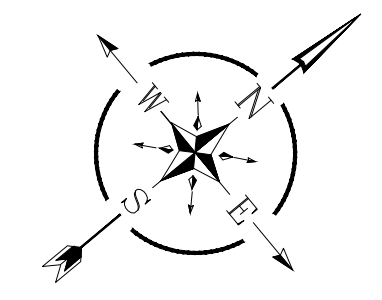
DATE	04-17-2020
D.B.	MMA
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JOB NO.	18038

C-2.0
 BID SUBMITTAL



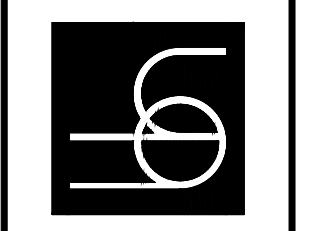
NOTES:

1. GRADES ADJACENT TO BUILDING WILL BE 8" BELOW FFE.
2. FINISH GRADES WILL NOT BE MORE THAN 2% FOR THE FIRST 10' FROM FACE OF BUILDING AND NOT MORE THE 1:4 TO REACH EXISTING GRADES.



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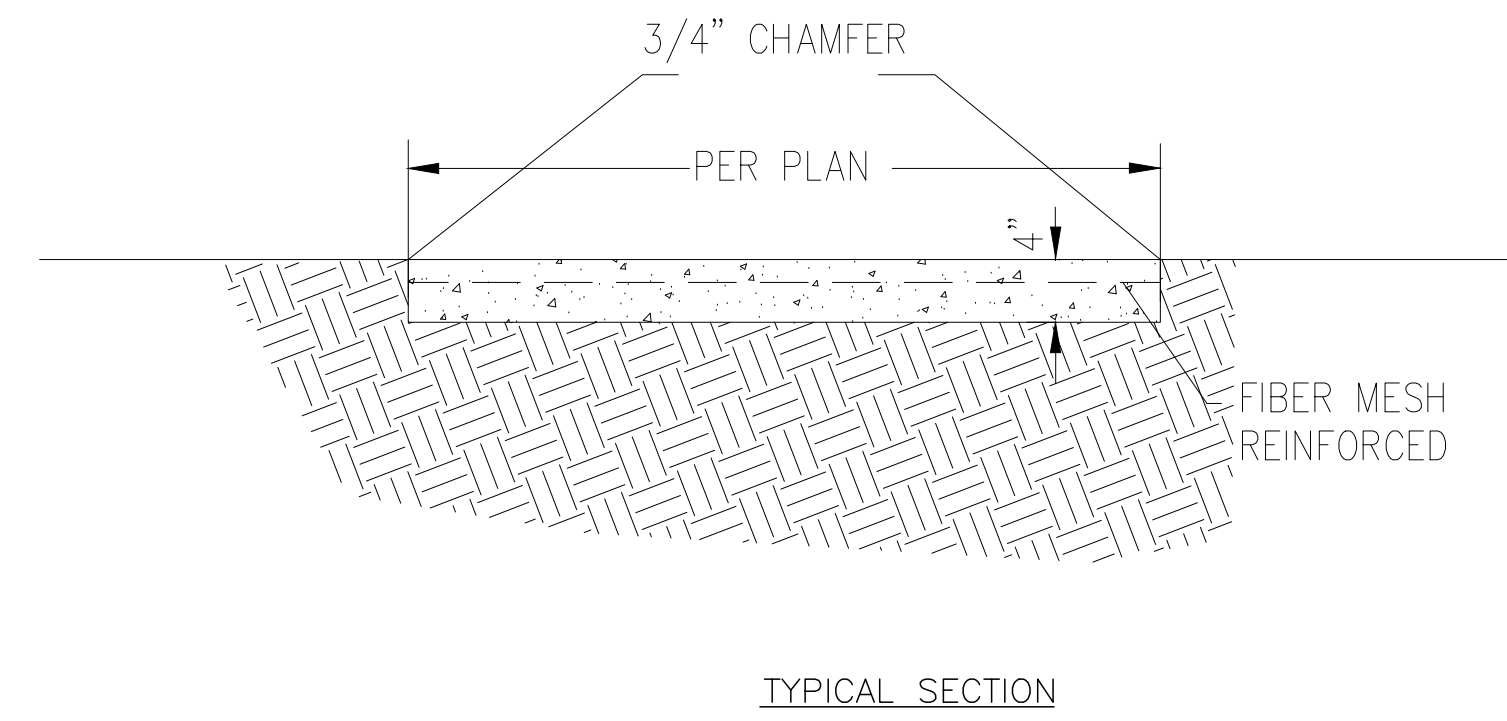
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04-17-2020 <td>D.B.</td> <td>MMA</td>	D.B.	MMA
	C.B.	MMA
	JOB NO.	18038

GRADING AND DRAINAGE PLAN

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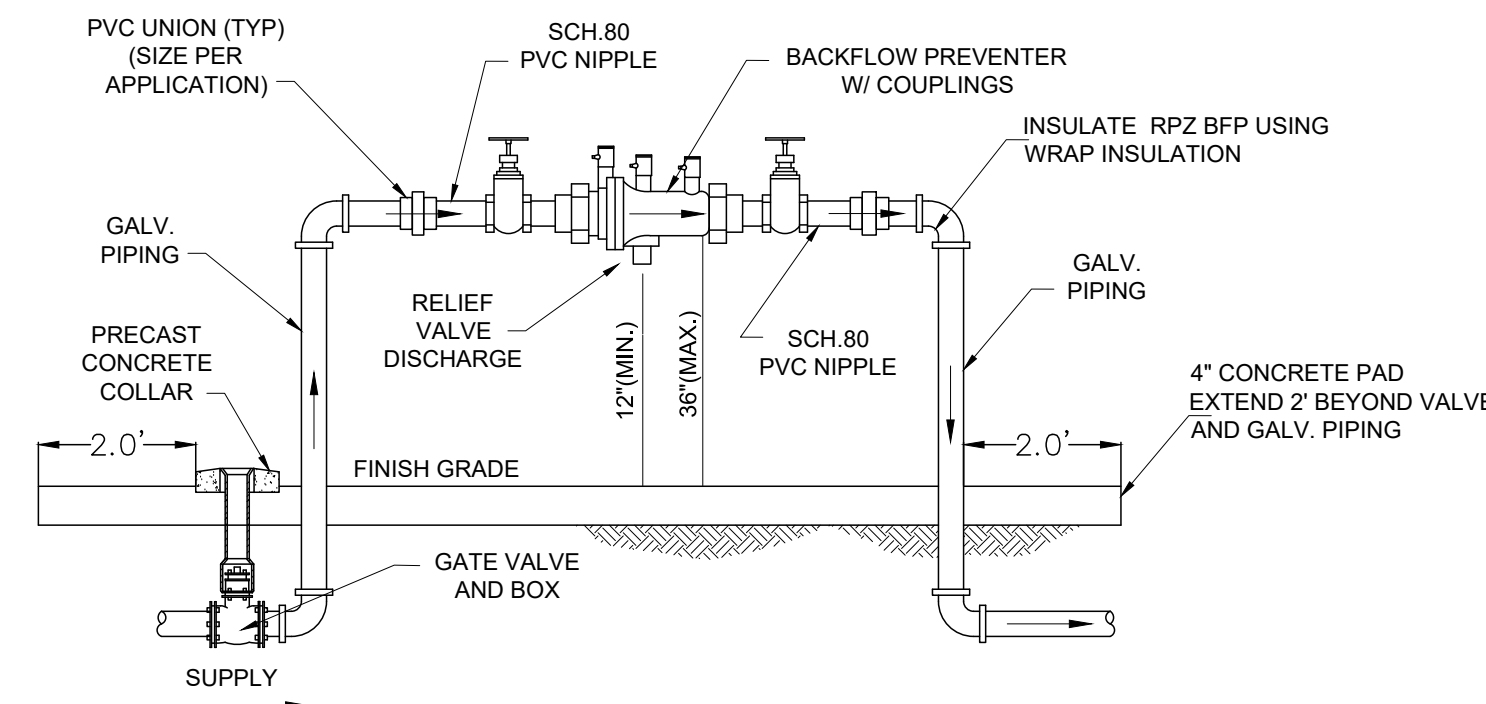
GENERAL NOTES

- CONTRACTOR TO ENSURE THAT THE LATEST APPROVED SETS OF CONSTRUCTION DRAWINGS/COPIES OF PERMITS ARE BEING UTILIZED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL CONCRETE FOR CURB SIDEWALKS SHALL BE A MINIMUM STRENGTH OF 3,000 P.S.I. WITH A MAXIMUM SLUMP OF 4 INCHES.
- CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ENGINEER FOR ALL STRUCTURES PRIOR TO ORDERING.
- ALL UNDERGROUND UTILITIES MUST BE INSTALLED PRIOR TO PREPARATION OF SUB-GRADE FOR PAVEMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF EXISTING UTILITIES AND SHALL EXERCISE EXTREME CAUTION WHILE WORKING IN AREAS NEAR EXISTING STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL REPAIR OR PAY FOR ALL DAMAGES MADE TO EXISTING STRUCTURES AND UTILITIES.
- THE CONTRACTOR MUST OBTAIN ALL PERMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ALL PERMITS MUST BE KEPT ON CONSTRUCTION SITE AT ALL TIMES AS REQUIRED.
- UNSUITABLE MATERIAL ENCOUNTERED SHALL BE LEGALLY DISPOSED OF OFFSITE AT THE CONTRACTOR'S EXPENSE OR DEPOSITED IN PROPOSED LANDSCAPE/BERM AREAS AS IS FEASIBLE.
- CONTRACTOR SHALL VERIFY EXISTING PAVEMENT AND BUILDING LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
- GRADE AREA AROUND THE NEW BUILDINGS SO THAT THE FINISHED GRADE IS A MINIMUM OF 8" BELOW THE NEW FFE, AND THE GRADE SLOPES AT MINIMUM 1% AWAY FROM THE BUILDING.
- CONTRACTOR MUST PROVIDE CERTIFIED TEST RESULTS OF THE DEGREES OF COMPACTION OF THE SUB-GRADE AND THE BASE FROM AN INDEPENDENT QUALIFIED TEST LABORATORY PER SPECIFICATIONS.
- DURING CONSTRUCTION, CONTRACTOR TO PLACE HAY BALES AND SILT CURTAINS AT ALL DOWNSTREAM DISCHARGE POINTS UNTIL CONSTRUCTION IS COMPLETE AND SEED/SOD HAS STABILIZED THE SOIL TO AVOID SILTATION AND TURBIDITY IN ACCORDANCE WITH FDEP AND ST. JOHNS RIVER WATER MANAGEMENT DISTRICT WATER QUALITY STANDARDS.
- CONTRACTOR TO NOTIFY CBJTC - DPW PRIOR TO SITE CONSTRUCTION TO ARRANGE FOR LOCATION OF ANY ON-SITE TRANSFORMER SERVICE/PAD FACILITIES AND MUST NOTIFY ENGINEER IF REVISION IS REQUIRED ON PLAN FOR DEPICTION OF SUCH.
- CONTRACTOR MUST CONTACT UNDERGROUND UTILITY LOCATE COMPANY 48 HOURS PRIOR TO DIGGING FOR ACTUAL FIELD LOCATIONS OF ANY KNOWN UNDERGROUND FACILITIES WITHIN THE LIMITS OF THE PROJECT.
- FOR INFORMATION REQUIRED CONCERNING UNDERGROUND TELEPHONE LINES BETWEEN SOUTHERN BELL MANHOLES, THE UTILITY CONTRACTOR IS TO CONTACT CBJTC - DPW.
- ALL CONSTRUCTION TO BE IN ACCORDANCE WITH LATEST CLAY COUNTY CODES.
- PRIOR TO DISCHARGE OF PRODUCED WATER INTO SURFACE WATERS OF THE STATE, AS DEFINED IN CHAPTER 62-620 OF THE FLORIDA ADMINISTRATIVE CODE, THE CONTRACTOR SHALL COMPLY WITH THE GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUND WATER DOCUMENT NUMBER 62-621.300(2).
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING GRADES AND FIELD CONDITIONS PRIOR TO COMMENCING WORK OR A SEGMENT OF WORK. FAILURE TO NOTIFY THE ENGINEER OR OWNER IN A TIMELY MANNER MAY HINDER WORK PROGRESS AND CAUSE DELAYS OR THE NEED FOR CHANGE ORDERS. SUCH DELAYS OR ADDITIONAL COST SHALL BE BORNE BY THE CONTRACTOR.
- EFFORTS HAVE BEEN MADE TO COORDINATE BUILDING UTILITIES WITH THE SITE UTILITIES AVAILABLE OR PROPOSED. THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF PROPOSED AND EXISTING UTILITIES AND ENSURE CONTINUITY OF SAME.
- ALL DISTURBED GRASS AREAS WILL BE RESTORED TO PRE-CONSTRUCTION CONDITION USING BAHAI SOD. SEEDING IS NOT PERMITTED.
- ALL PAVEMENT TO BE REMOVED WILL BE SAWCUT IN STRAIGHT LINES. CONSTRUCTION JOINTS WILL BE INSTALLED WHERE NEW CONCRETE PAVEMENT ABUTS NEW ASPHALT PAVEMENT AND NEW DROP CURB.

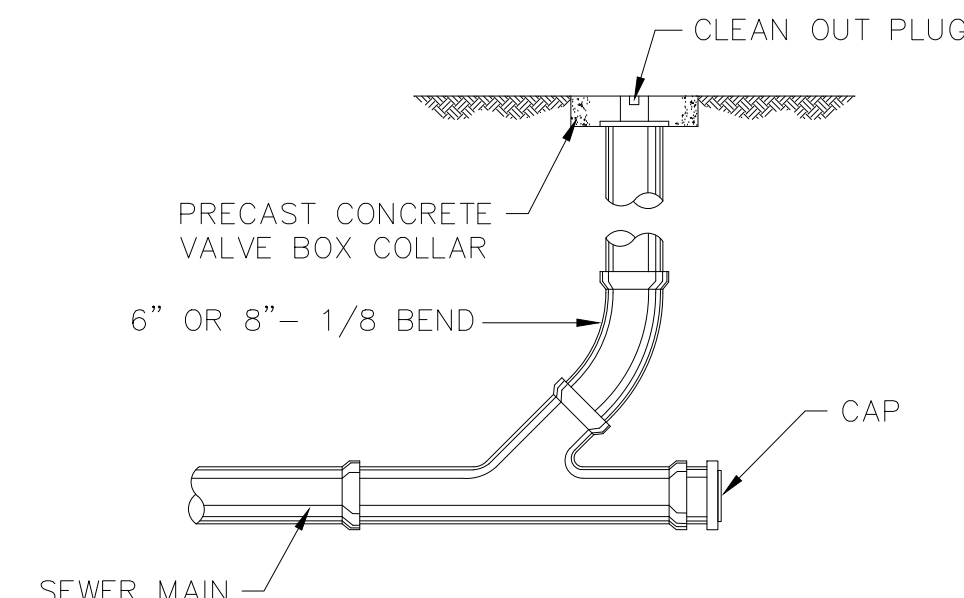


D2 CONCRETE SIDEWALK SECTION
C3.1 3000 PSI CONCRETE NTS

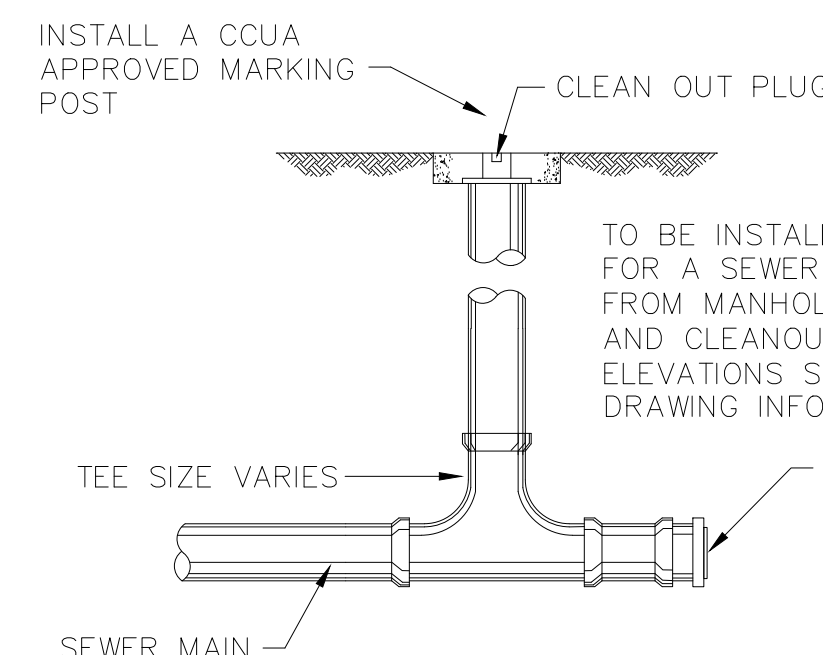
- NOTES:
- SAWCUT CONTROL JOINTS IN SQUARE SECTIONS NOT TO EXCEED 5'X5'
 - SAWCUT CONTROL JOINTS FOR ENTRANCE SIDEWALK IN SQUARE SECTIONS NOT TO EXCEED 10'X10'
 - INSTALL CONSTRUCTION JOINTS AT NEW POURS
 - LONGITUDINAL SLOPE NOT TO EXCEED 1:20. CROSS SLOPE: 1/4" PER FOOT
 - BROOM FINISH



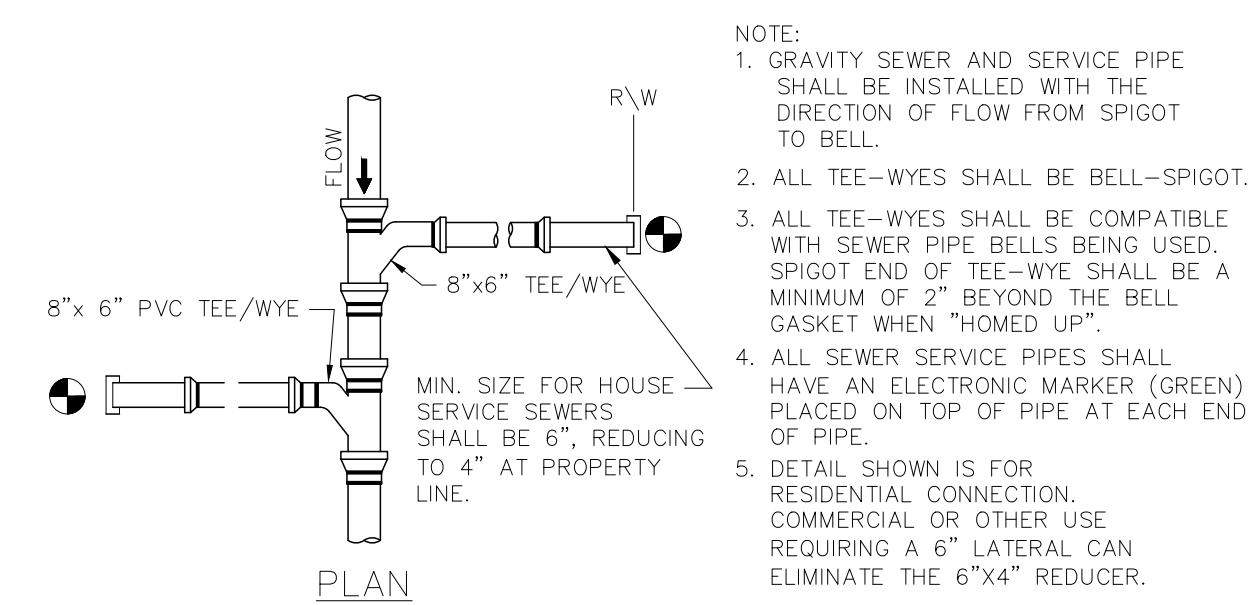
REDUCED PRESSURE BACKFLOW PREVENTER 2" DIAMETER AND SMALLER (NTS)



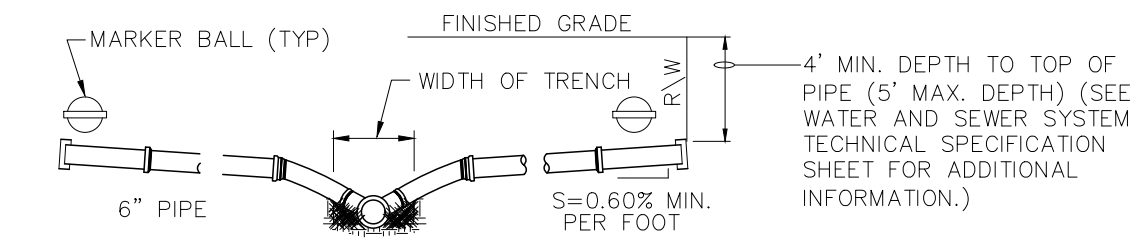
A2 CLEAN-OUT DETAIL
C3.1 N.T.S.



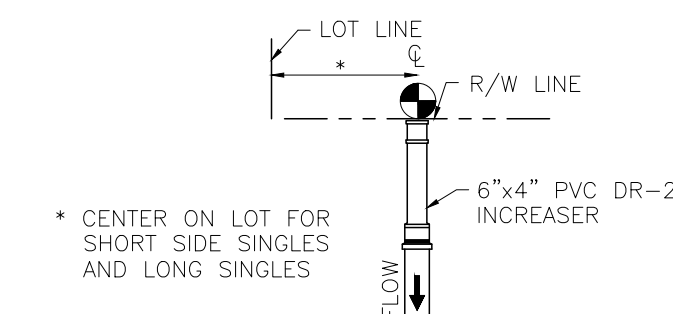
A3 STANDARD STUBOUT SURVEY ACCESSIBLE CLEANOUT
C3.1 N.T.S.



- NOTE:
- GRAVITY SEWER AND SERVICE PIPE SHALL BE INSTALLED WITH THE DIRECTION OF FLOW FROM SPIGOT TO BELL.
 - ALL TEE-WYES SHALL BE BELL-SPIGOT.
 - ALL TEE-WYES SHALL BE COMPATIBLE WITH SEWER PIPE BELLS BEING USED. SPIGOT END OF TEE-WYE SHALL BE A MINIMUM OF 2" BEYOND THE BELL GASKET WHEN "HOMED UP".
 - ALL SEWER SERVICE PIPES SHALL HAVE AN ELECTRONIC MARKER (GREEN) PLACED ON TOP OF PIPE AT EACH END OF PIPE.
 - DETAIL SHOWN IS FOR RESIDENTIAL CONNECTION. COMMERCIAL OR OTHER USE REQUIRING A 6" LATERAL CAN ELIMINATE THE 6"x4" REDUCER.



SECTION



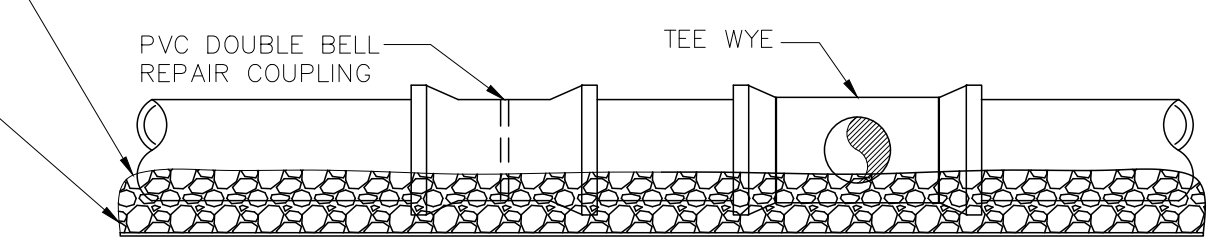
SINGLE FAMILY RESIDENTIAL SERVICE

● DENOTES SERVICE MARKER POST

C4 STANDARD SINGLE SEWER SERVICE LATERALS
C3.1

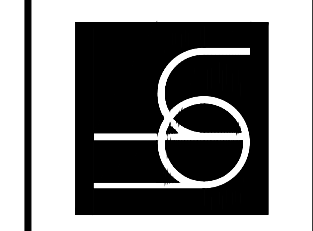
#57 STONE WITH FINES BACKFILL WITH FINES TIGHTLY COMPACTED TO SPRING LINE OF SEWER MAIN

MIN. 6" #57 UNDER BOTTOM OF SEWER MAIN AND FITTING, COMPACTED TO GRADE PRIOR TO INSTALLING TEE WYE, AND REPAIR COUPLING STONE BACKFILL TO EXTEND MIN. OF 1.5' BEYOND ALL FITTINGS, AND UP TO SPRING LINE OF SEWER MAIN. COVER ALL OF THE ROCK BEDDING MATERIAL W/ FILTER FABRIC BEFORE CONTINUING BACKFILL. EXCAVATION TO BE DEWATERED AND DRY DURING ALL PHASES OF CUTTING IN NEW WYE.



B4 CUTTING IN SERVICE LATERAL TO EXISTING SEWER MAIN
C3.1

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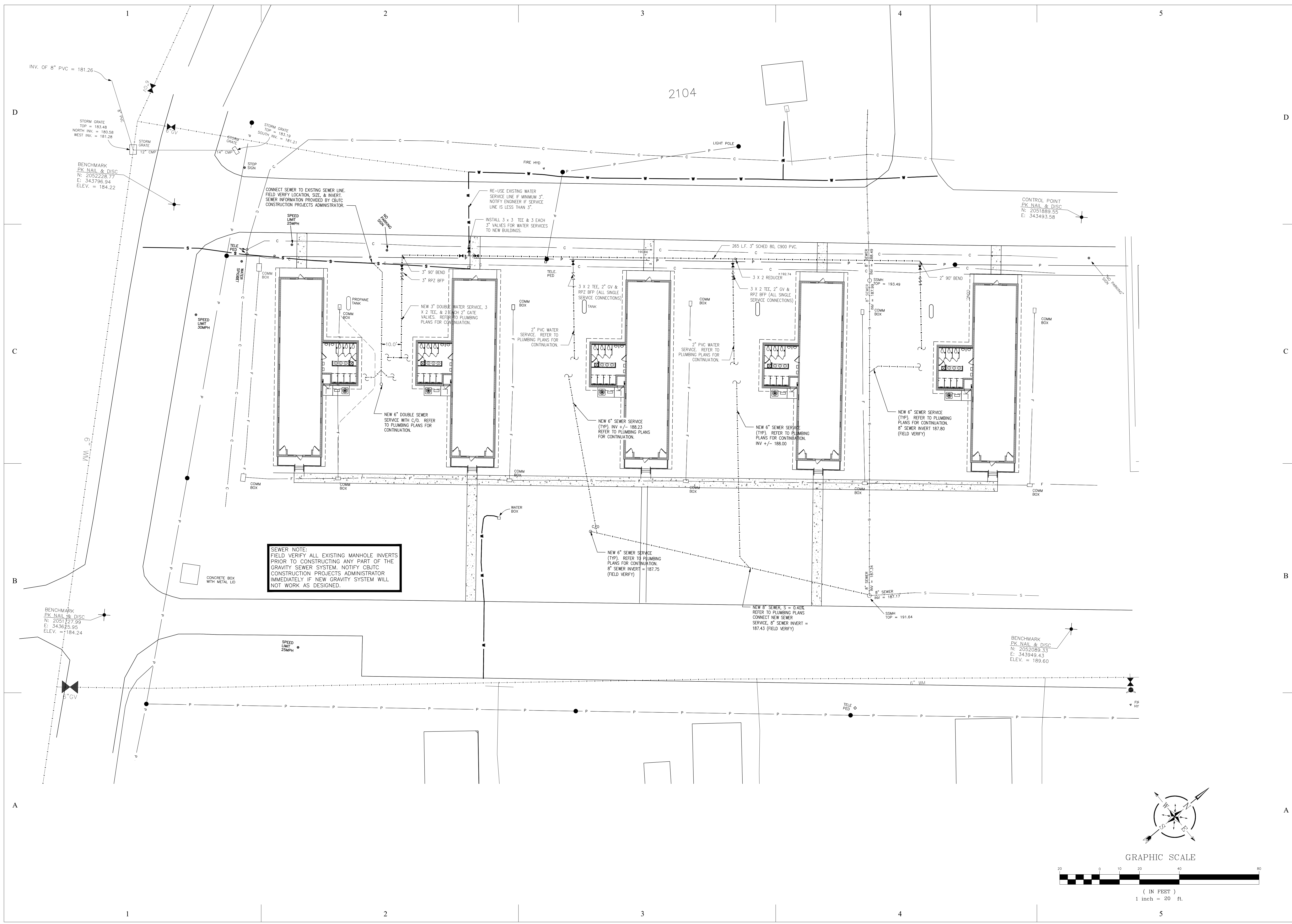
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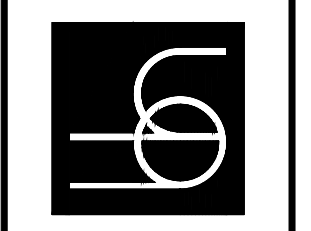
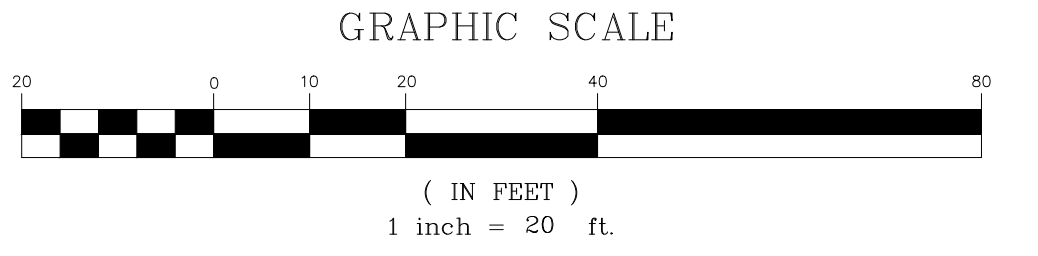
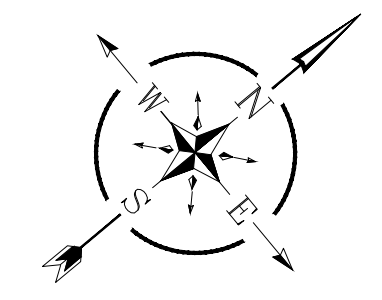
REVISIONS	

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C-3.1
BID SUBMITTAL



SEWER NOTE:
 FIELD VERIFY ALL EXISTING MANHOLE INVERTS
 PRIOR TO CONSTRUCTING ANY PART OF THE
 GRAVITY SEWER SYSTEM. NOTIFY CBJTC
 CONSTRUCTION PROJECTS ADMINISTRATOR
 IMMEDIATELY IF NEW GRAVITY SYSTEM WILL
 NOT WORK AS DESIGNED.



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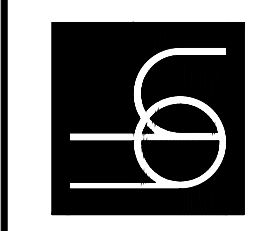
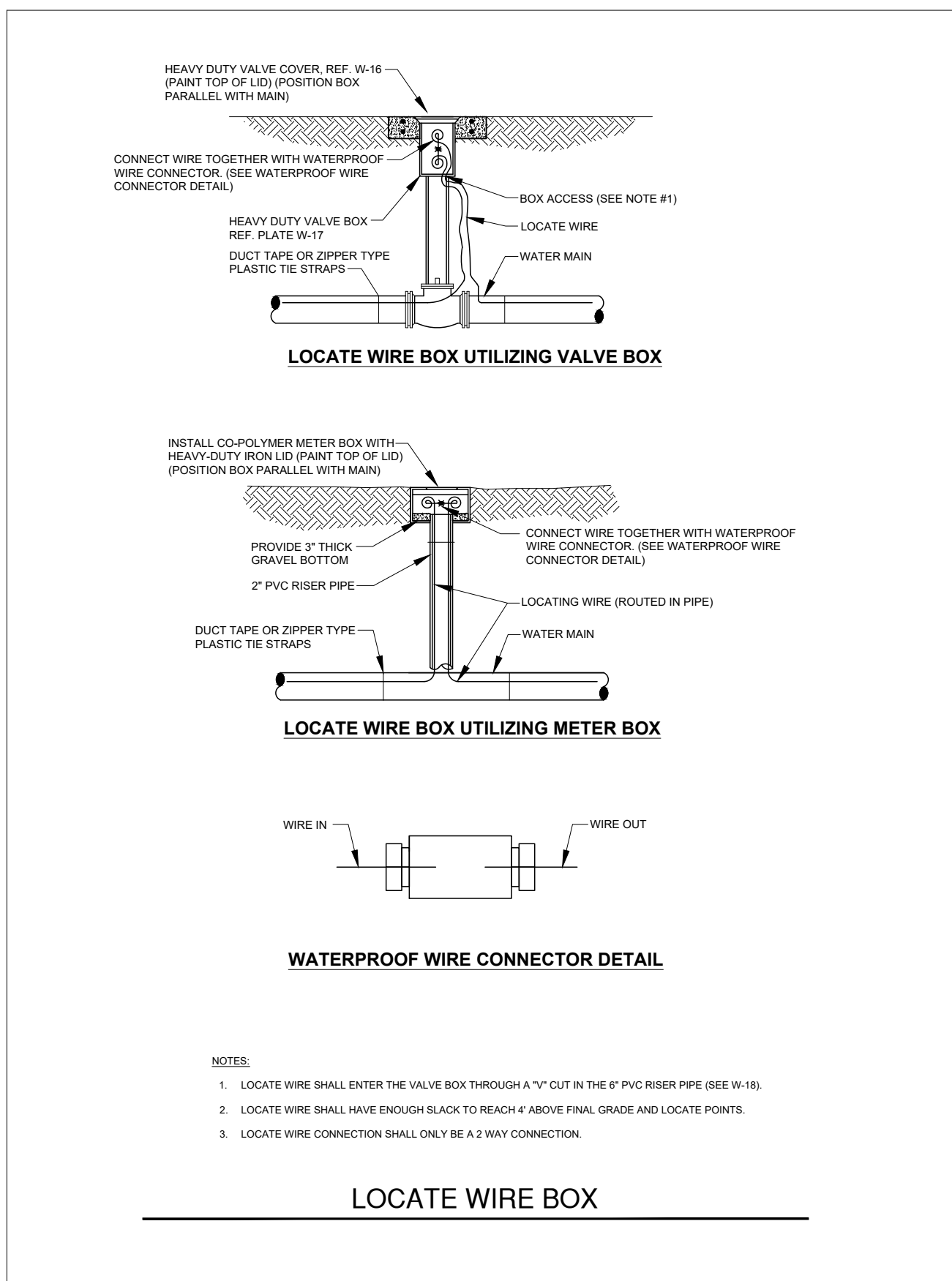
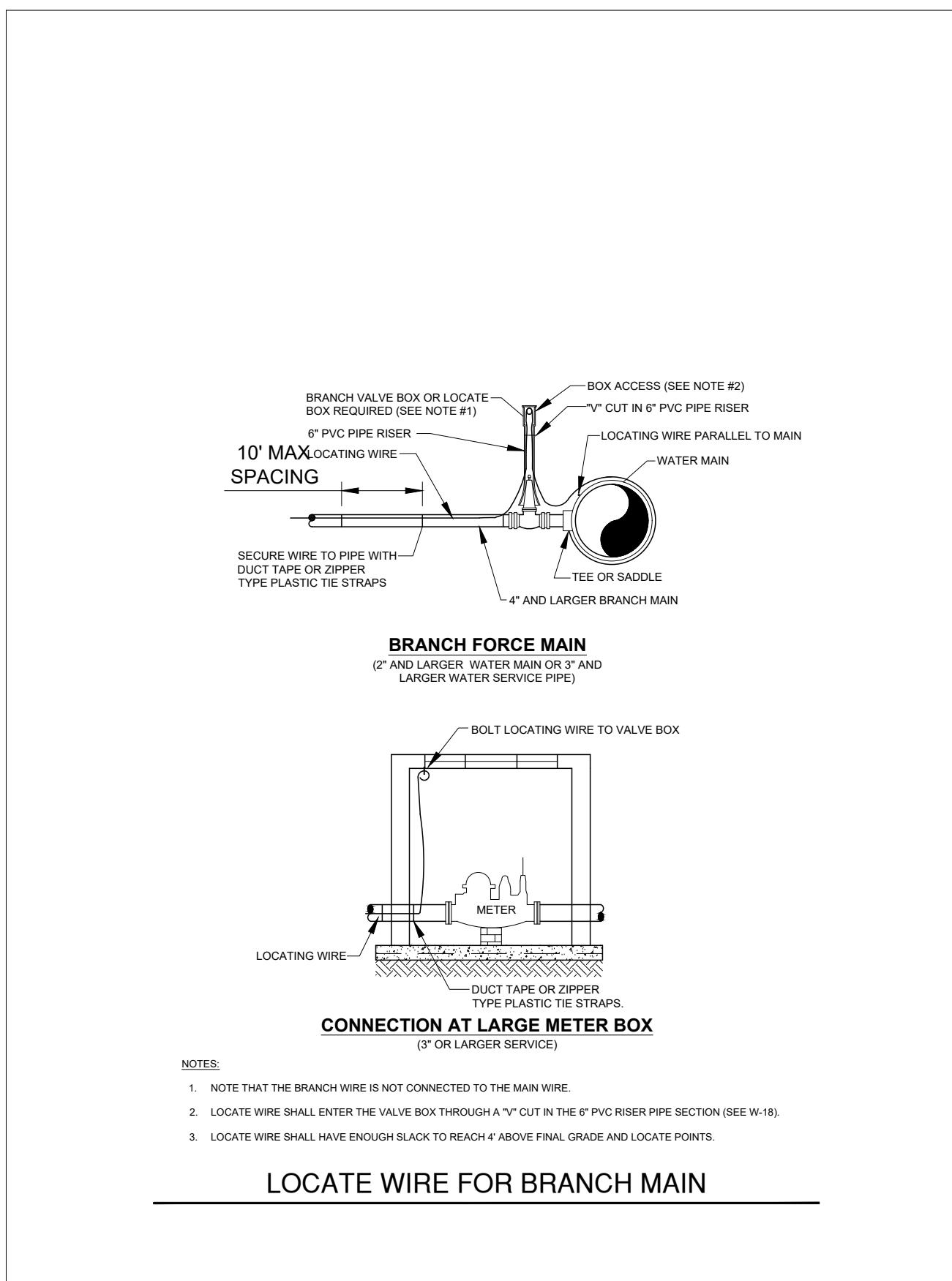
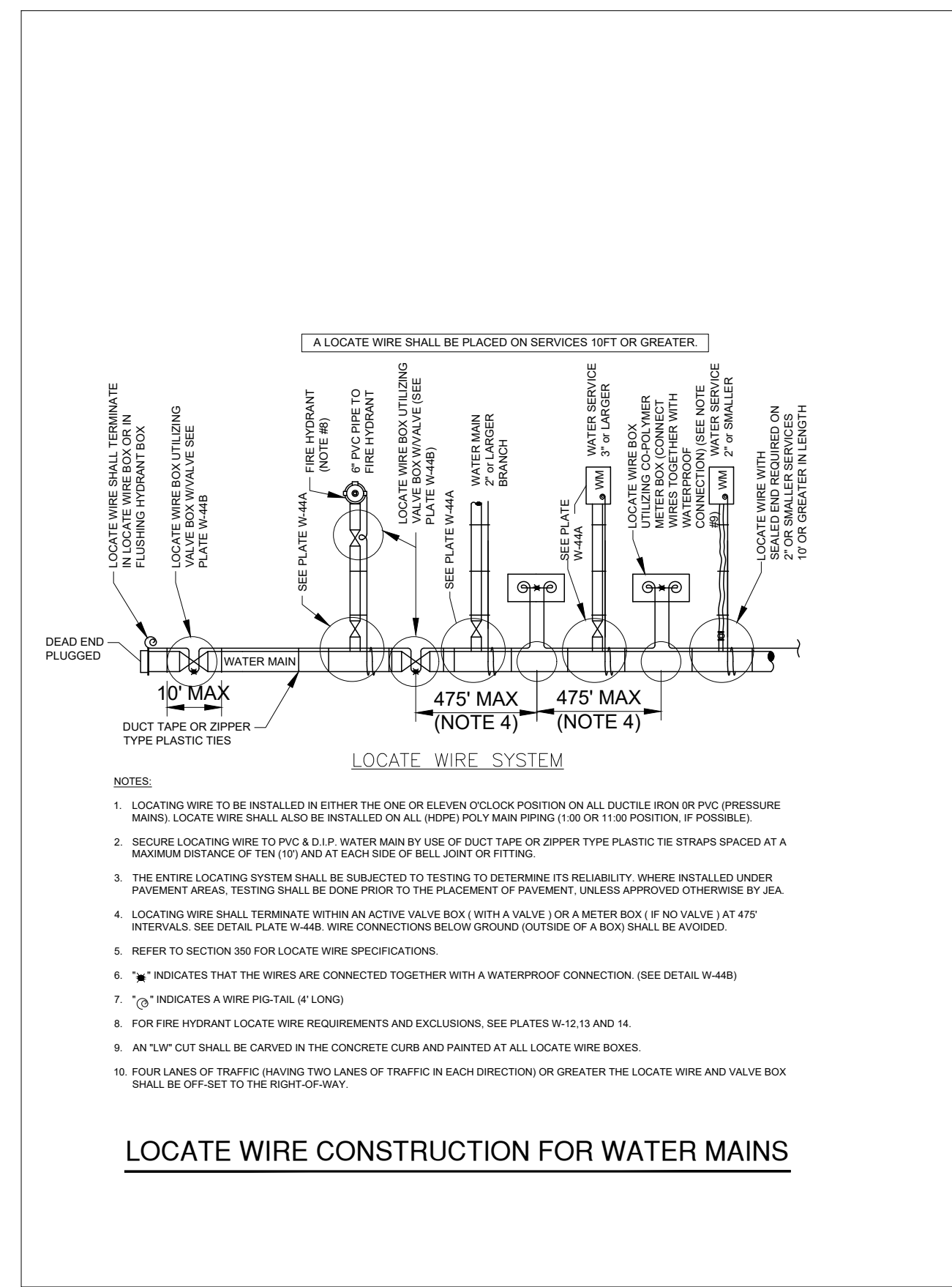
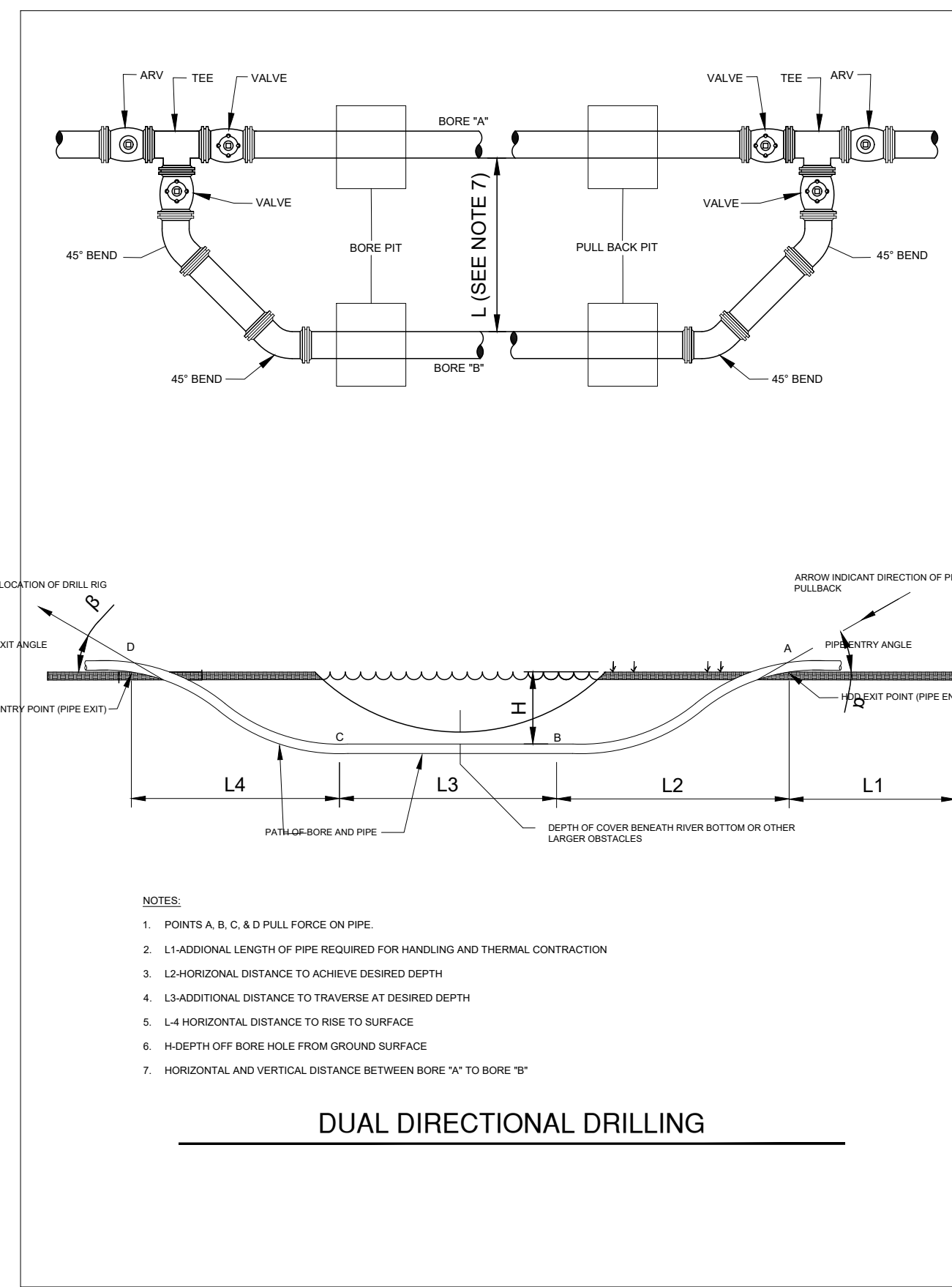
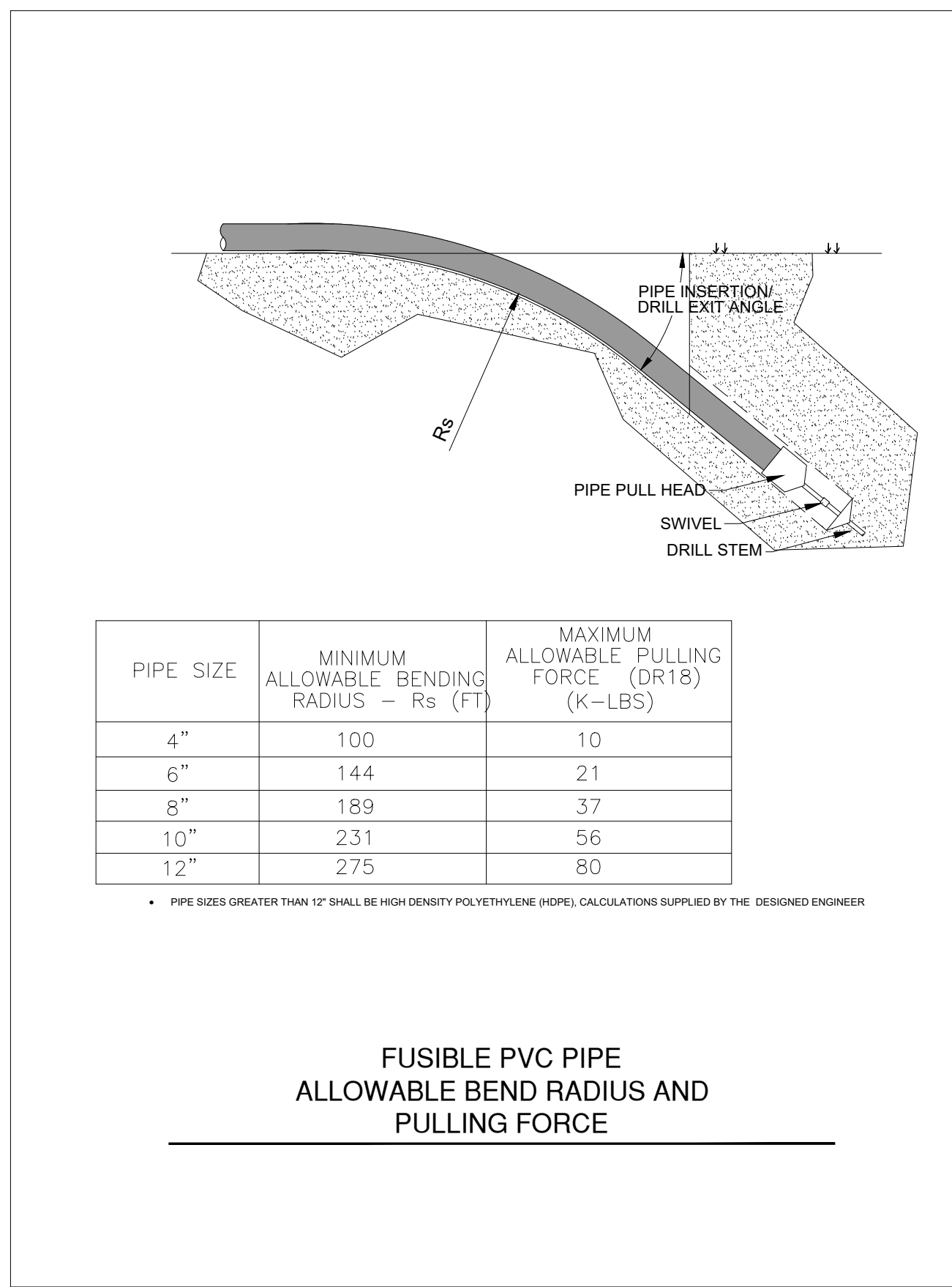
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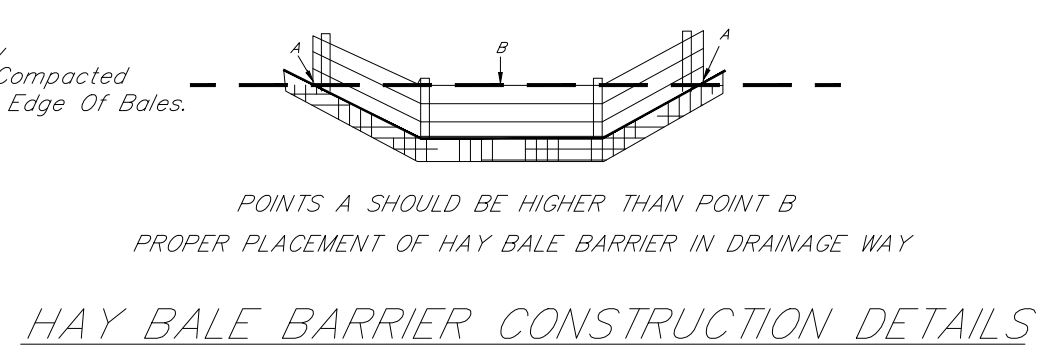
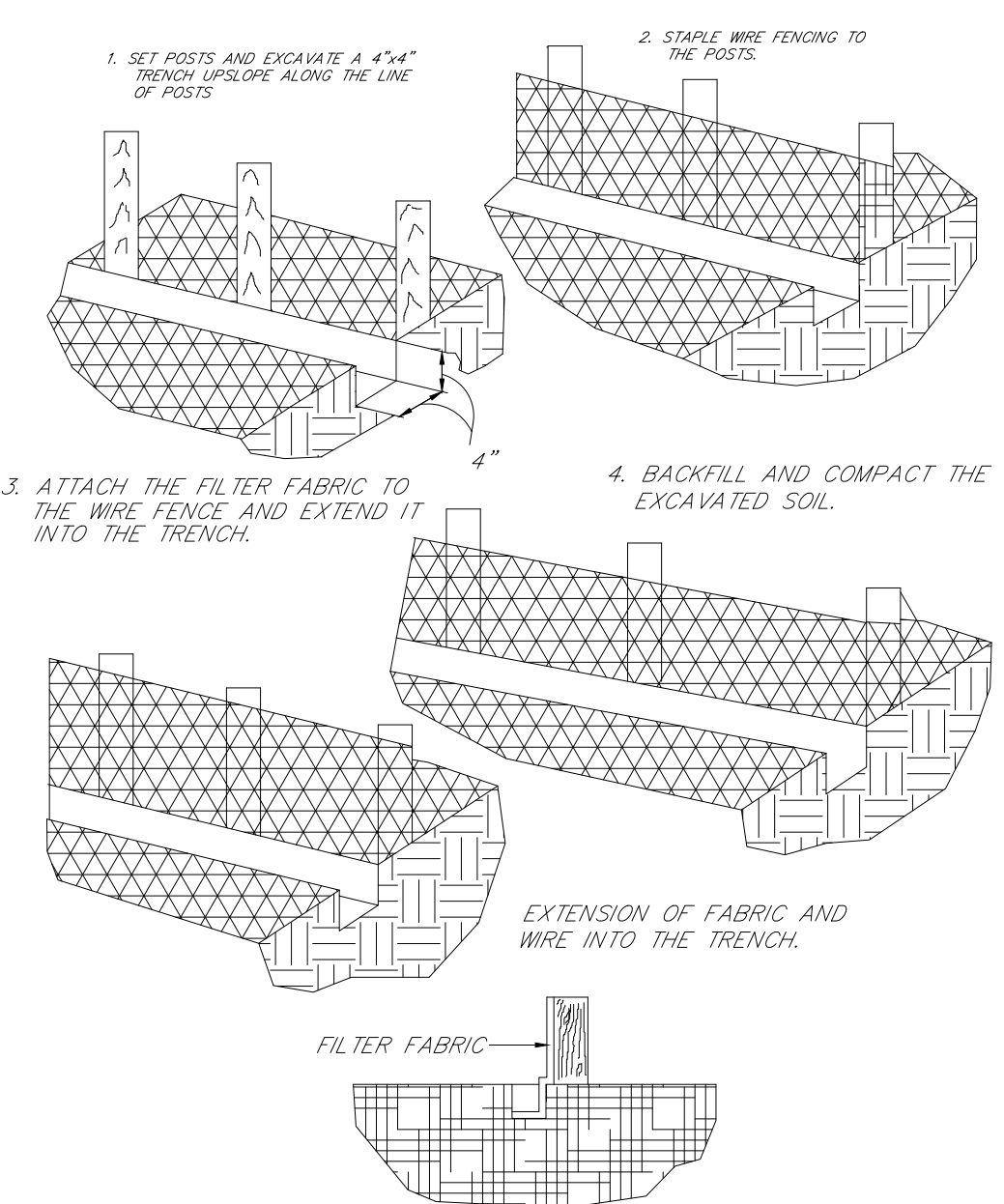
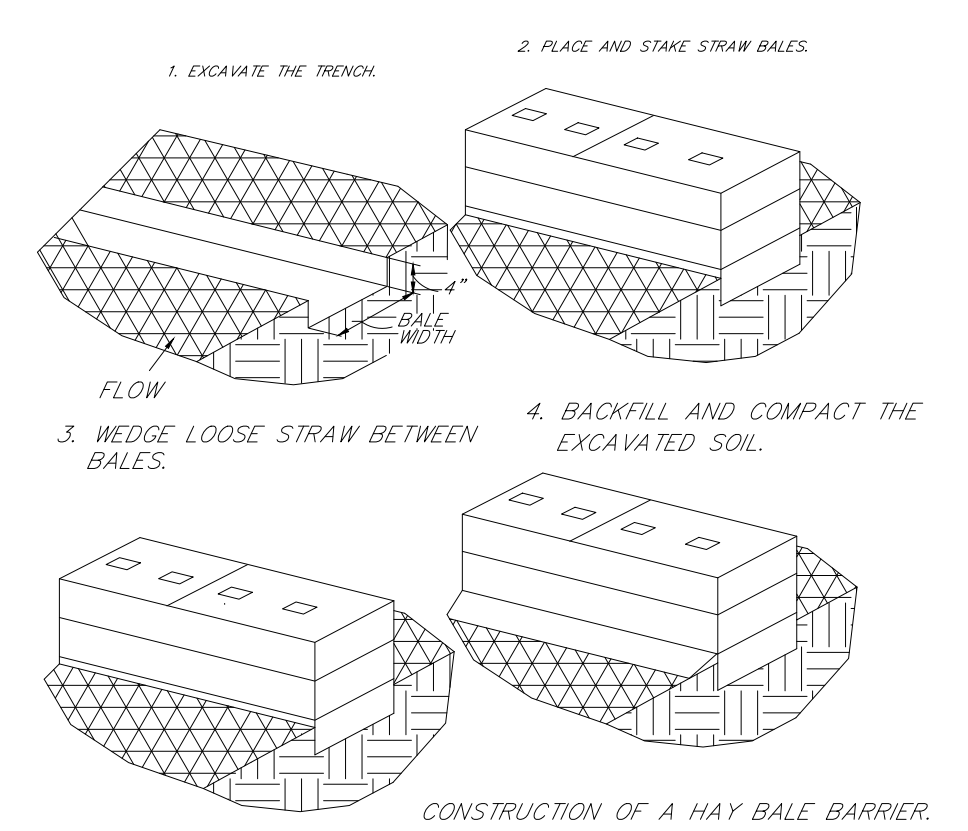
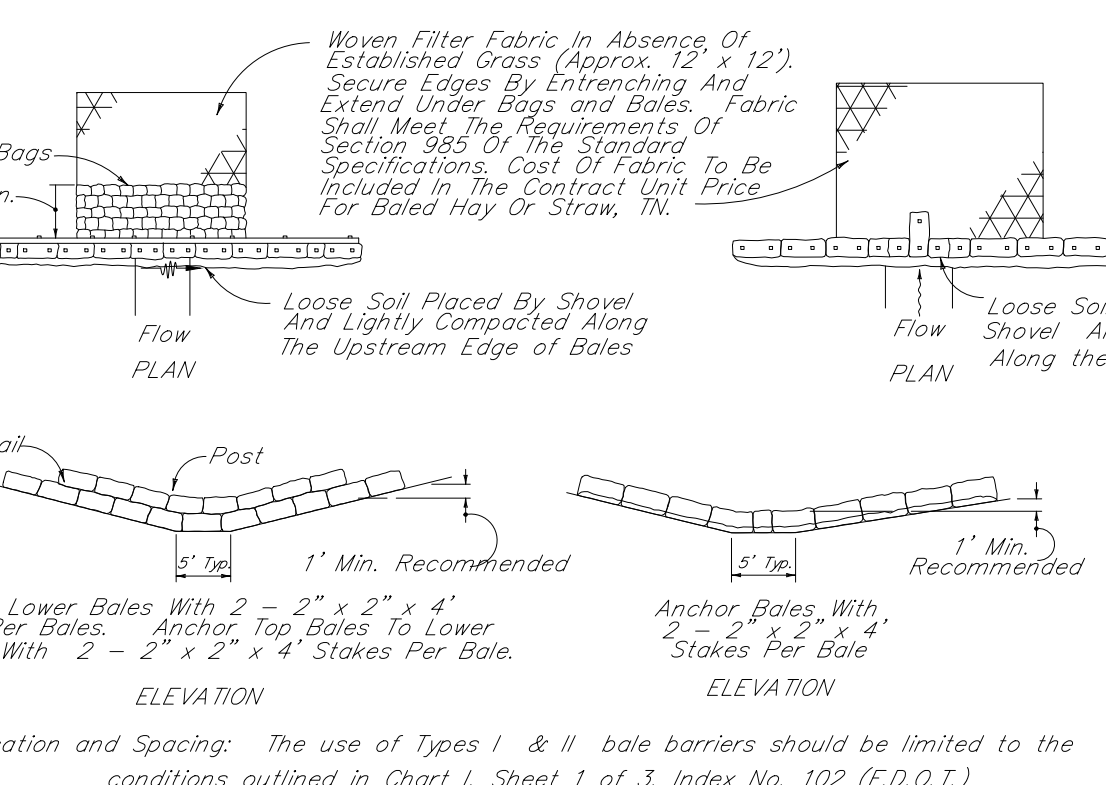
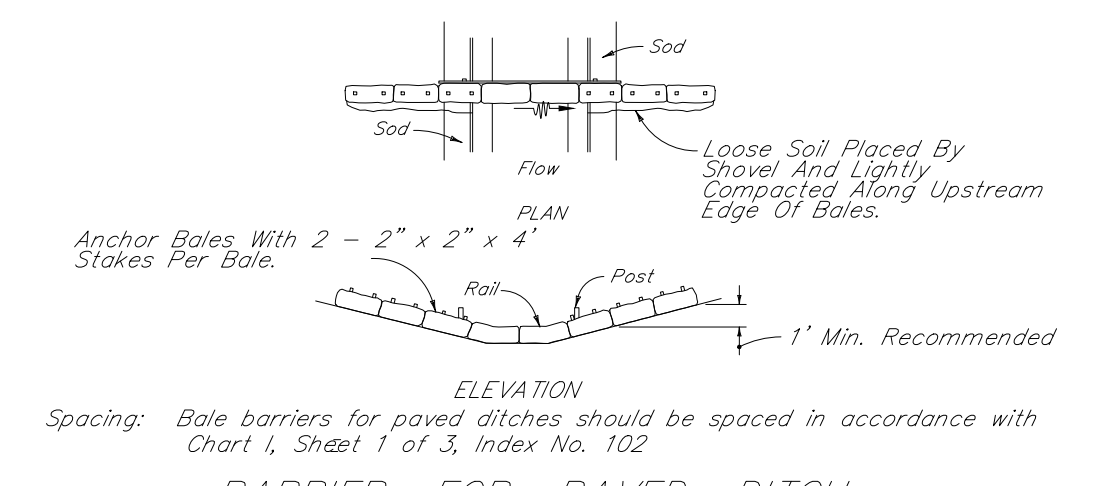
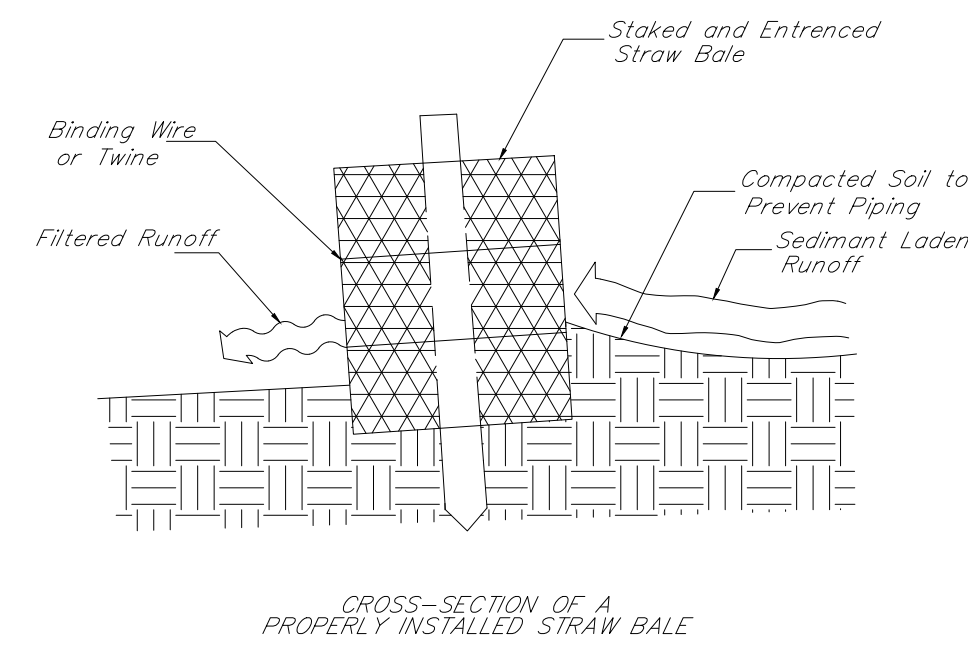
**WATER
 AND
 SEWER
 PLAN**

DATE 04-17-2020
 D.B. MMA
 C.B. MMA
 JOB NO. 18038

C-4.0
 BID
 SUBMITTAL



REVISIONS	DATE	DESCRIPTION



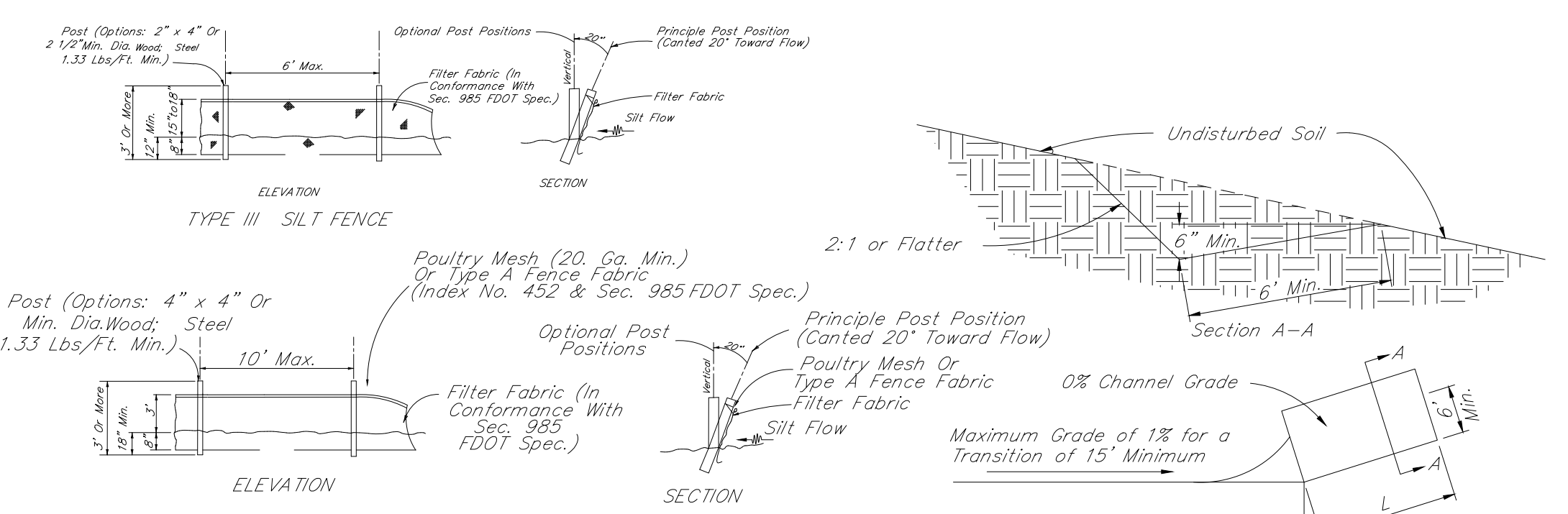
CONSTRUCTION DETAILS FOR SILT FENCES

D

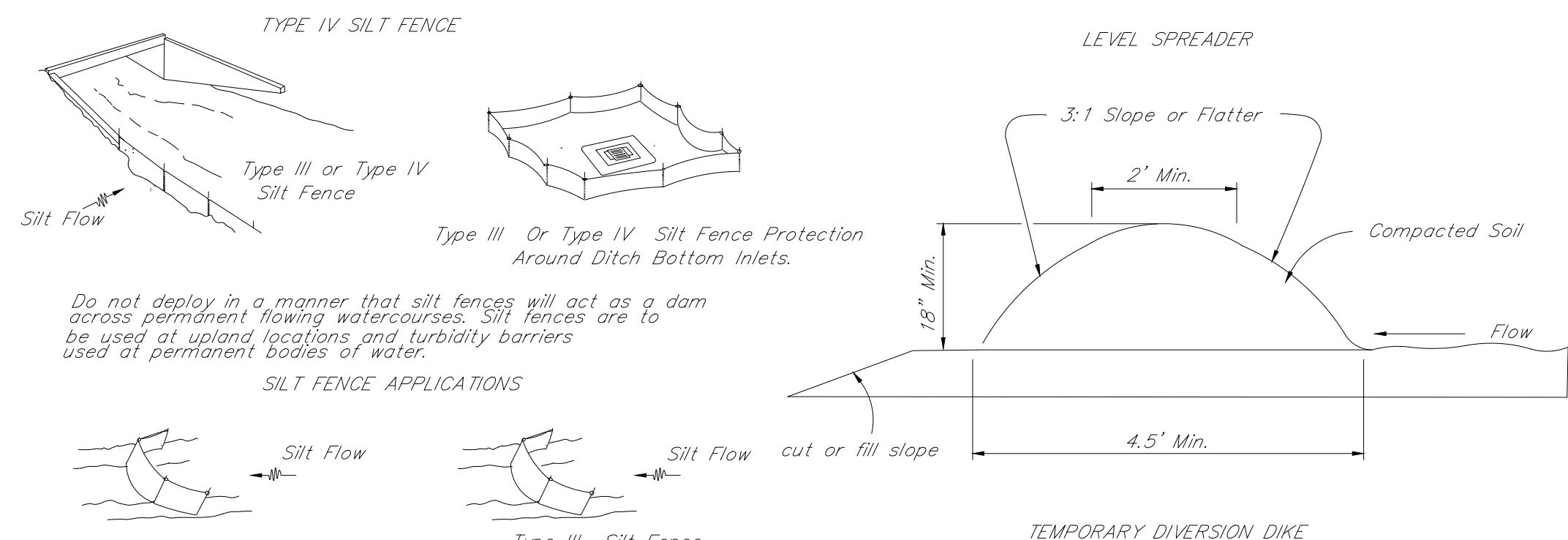
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Note: Silt Fence to be paid for under the contract unit price for Staked Silt Fence (LF).



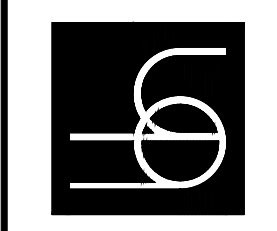
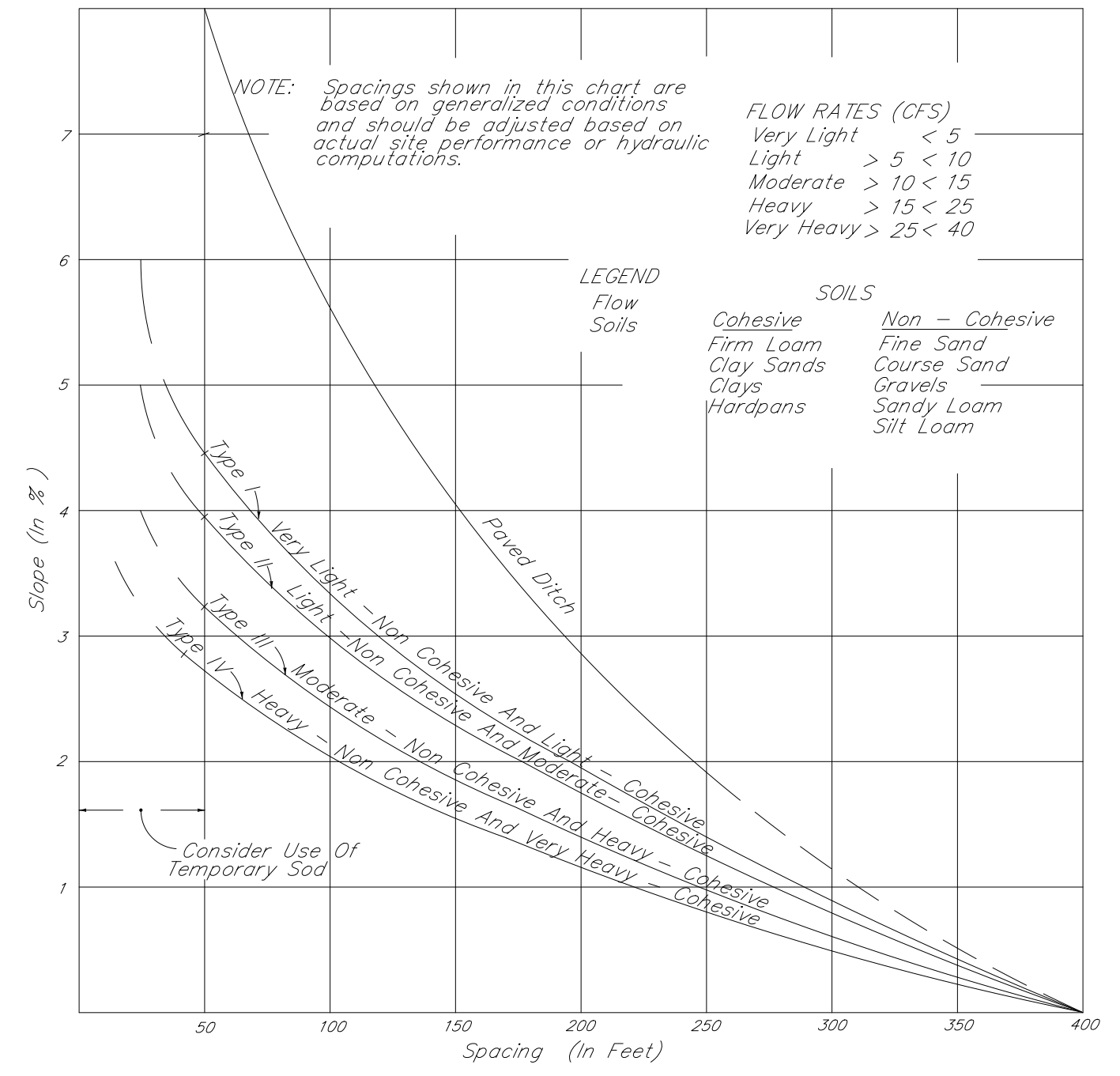
SILT FENCE TYPE III & IV

Note: Spacing for Type ~~~ Fence to be in accordance with Chart ~ Plate D-306 and ditch installations at drainage structures above.

A

A

STAKED HAY BALE



MICHELE M. AGEE
PE # 49142

DATE	04-17-2020
D.B.	MMA
C.B.	MMA
JOB NO.	18038
C-5.0	
BID SUBMITTAL	

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CODE ANALYSIS

PROJECT INFORMATION:

CODE REFERENCES:
 FLORIDA BUILDING CODE (FBC) - 2017 6TH EDITION
 FLORIDA ACCESSIBILITY CODE - 2011 6TH EDITION
 FLORIDA FIRE PREVENTION CODE (FFPC), 2011 6TH EDITION
 2015 LIFE SAFETY CODE: NFPA 101 - CHAPTER 28, NEW HOTEL & DORMITORIES
 FLORIDA BUILDING CODE ENERGY EFFICIENCY - 6TH EDITION

USE AND OCCUPANCY CLASSIFICATION:

FBC SECTION 502:
 GROUP R-1, RESIDENTIAL (HOUSING TRANSIENT IN NATURE)
FFPC CHAPTER 3:
 NEW HOTELS & DORMITORIES (DORMITORY)

DESIGN WIND SPEED:

FBC FIG. 1609B & ASCE 7-16:
 125 MPH (ULTIMATE), 91 MPH (NOMINAL)

BUILDING RISK CATEGORY:

FBC 1604.5:
 2

TYPE OF CONSTRUCTION:

FBC CH. 6:
 TYPE V B, NON-SPRINKLERED

BUILDING HEIGHT:

FBC TABLE 504.3 & 504.4:
 MAX. ALLOWED NO. OF STORIES: 2
 MAX. ALLOWABLE BUILDING HEIGHT: 40'-0"
 ACTUAL: 1 STORY
 ACTUAL HEIGHT: 13'-10"

MAX. AREA ALLOWED:

FBC TABLE 506.2:
 1,000 SF PER STORY (UNMODIFIED)
 ACTUAL AREA: 2,355 SF

OCCUPANT LOAD:

FBC TABLE 1004.1.2
 BASED ON 50 GROSS SF/OCCUPANT:
 2,355 SF / 50 SF PER OCCUPANT = 48 OCCUPANTS
 (23 OCCUPANTS PROVIDED)

EGRESS WIDTH PER SECTION 1005:

EGRESS WIDTH REQUIRED:
 48 PERSONS X 0.2' = 9.6 INCHES (36 INCHES MIN.)
 EGRESS WIDTH PROVIDED: 68 INCHES

DEAD END CORRIDORS:

FBC 1020.4:
 MAXIMUM DISTANCE ALLOWED: 25 FEET
 ACTUAL DISTANCE PROVIDED: NONE PROVIDED

EXIT ACCESS TRAVEL DISTANCE:

FBC TABLE 1011.2
 MAX. ALLOWED DISTANCE WITHOUT SPRINKLER SYSTEM: 200 FT
 ACTUAL MAXIMUM DISTANCE: 71'-8"

FIRE EXTINGUISHERS:

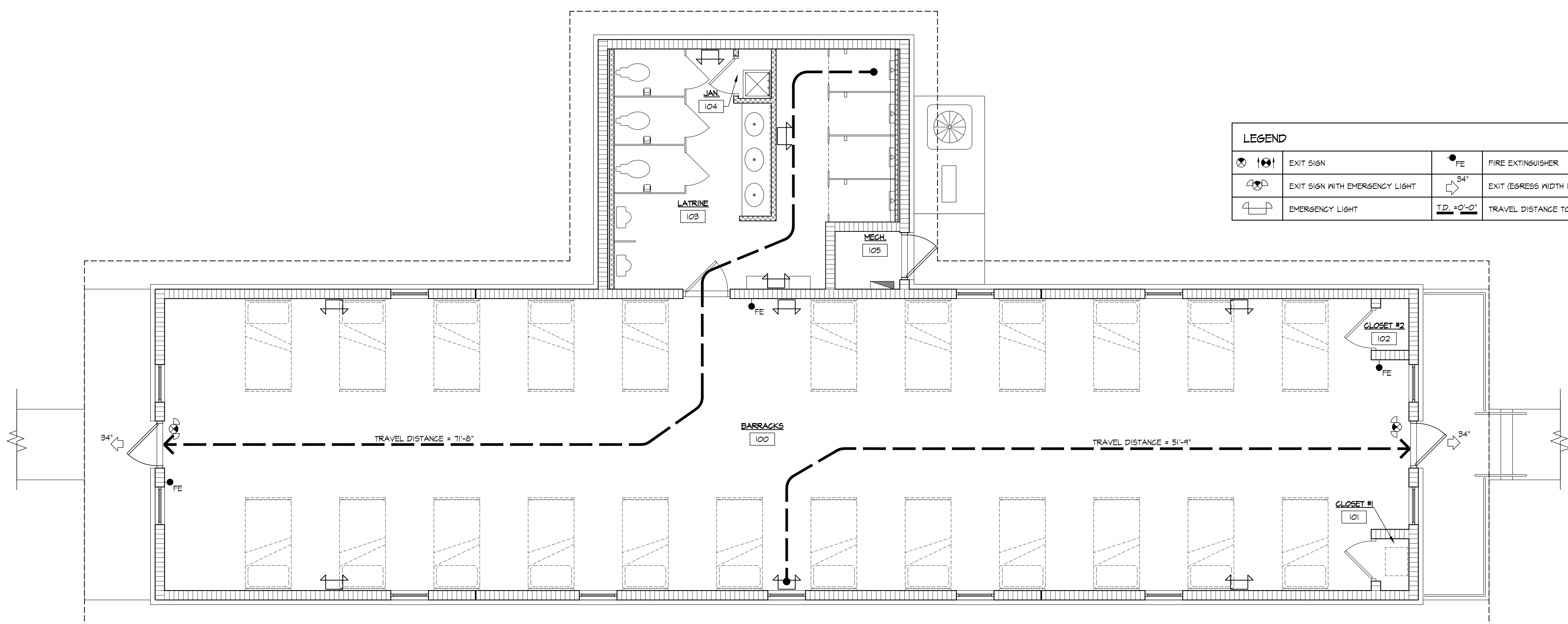
NFPA: FIRE EXTINGUISHERS TO BE LOCATED WITHIN 75 FT. TRAVEL DISTANCE. FIRE EXTINGUISHER MOUNTING COMPLY WITH NFPA 10.

INTERIOR FINISHES CLASSIFICATIONS: (NONSPRINKLERED)

PER FBC TABLE 803.11:
 - EXIT ENCLOSURES AND PASSAGEWAYS: CLASS A
 - CORRIDORS: CLASS B
 - ROOMS AND ENCLOSED SPACES: CLASS C

MINIMUM PLUMBING FIXTURES:

FIXTURE TYPE	REQUIRED	PROVIDED
WATER CLOSET	1	1
LAVATORIES	1	4
BATH/SHOWER	0	0
DRINKING FOUNTAIN	0	0
SERVICE SINK	1	1



LEGEND			
	EXIT SIGN		FIRE EXTINGUISHER
	EXIT SIGN WITH EMERGENCY LIGHT		EXIT (EGRESS WIDTH IN INCHES)
	EMERGENCY LIGHT		TRAVEL DISTANCE TO EXIT

A4 LS101 BARRACKS LIFE SAFETY PLAN
 SCALE: 1/4" = 1'-0"

BHIDE & HALL ARCHITECTS, P.A.
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**Renovations to 2100 Area Barracks
 Camp Blanding Joint Training Center
 Starke, Florida**
 CFMO PROJECT NO.: 218042

Architect License No.
 BRIAN SAWYER AR0091953

REVISIONS

LIFE SAFETY PLAN AND CODE ANALYSIS

DATE: 4-17-2020
 D.B. B.S.S.
 C.B. B.S.S.
 JOB NO. 18038

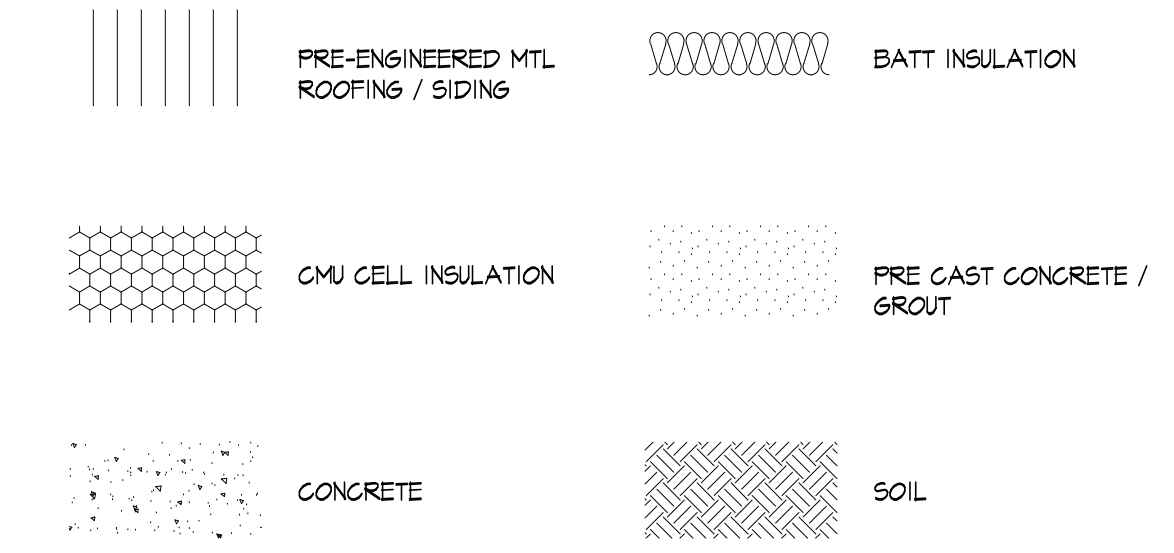
LS101
 BID SUBMITTAL

TYPICAL ABBREVIATIONS

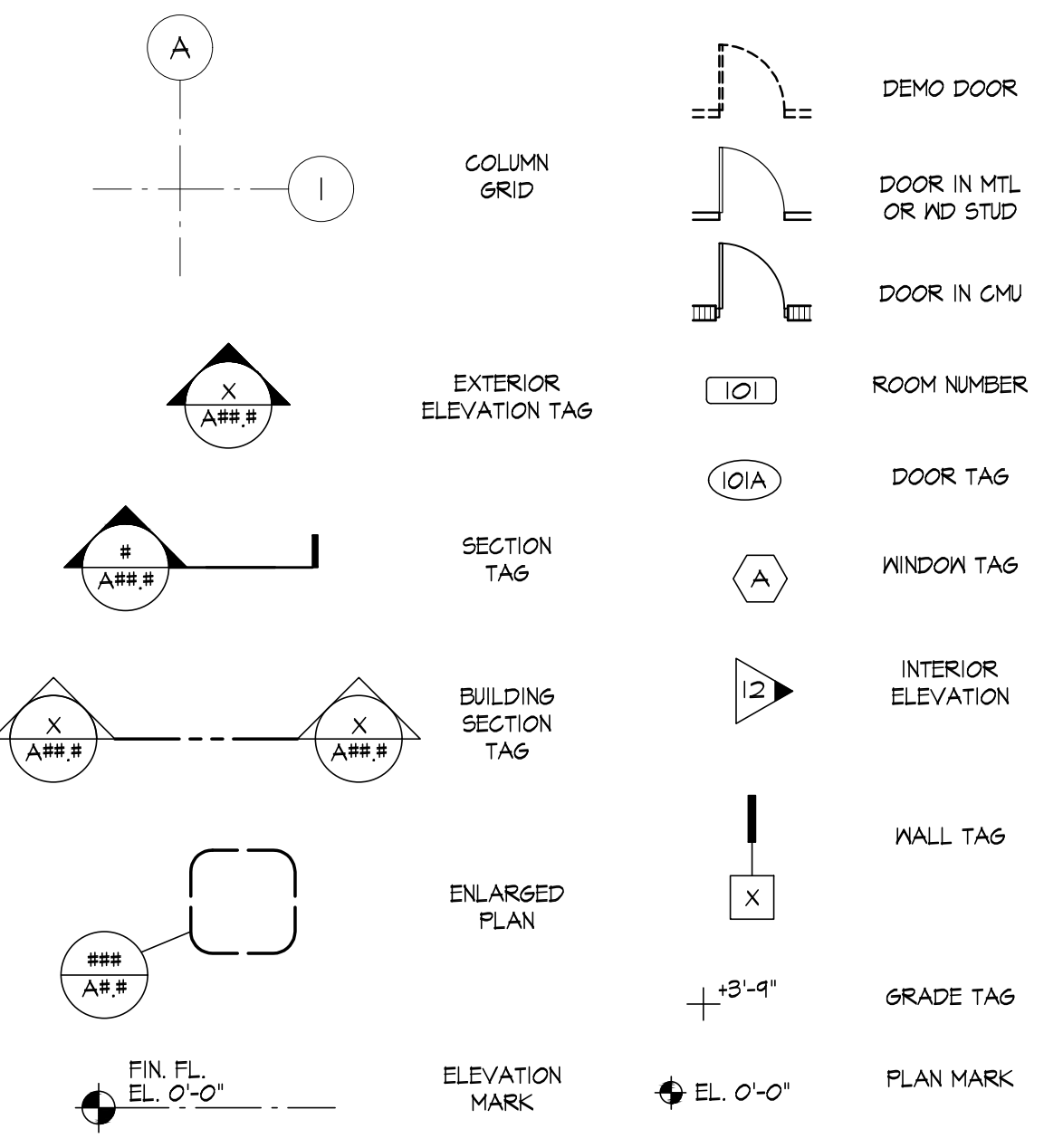
A/C	air conditioning	DS	downspout	KT	kitchen	QT	quarry tile
AB	anchor bolt	DWG	drawing	L	length	R	riser
ABV	above	E	east	LAB	laboratory	RA	return air
ACOUS	acoustical	EL	elevation	LAM	laminated	RAD	radius
ADH	adhesive	ELEC	electrical	LAV	lavatory	REF	refrigerator
ADJ	adjustable	ELEV	elevator	LB	load bearing	REV	revision(s), revised
AFF	above finished floor	EQ	equal	LT	light	RCP	reflected ceiling plan
ALT	alternate	EQUIP	equipment	LVR	louver	RM	room
ALUM	aluminum	EWC	electric water cooler	MAX	maximum	RO	rough opening
APPROX	approximate	EXH	exhaust	MECH	mechanical	S	south
ARCH	architect(ural)	EXIST	existing	MFR	manufacturer	SC	solid core
BD	board	EXP	exposed	MIN	minimum	SCHED	schedule
BLDG	building	EXT	exterior	MISC	miscellaneous	SECT	section
BLK	block	FA	fire alarm	MO	masonry opening	SF	square foot (feet)
BLKG	blocking	FBC	Florida Building Code	MT	metal threshold	SH	shelf, shelving
BM	benchmark	FE	fire extinguisher	MTL	metal	SHT	sheet
BOT	bottom	FEC	fire extinguisher cabinet	MULL	mullion	SIM	similar
BPL	bearing plate	FF	finished floor	N	north	SPEC	specification(s)
BRG	bearing	FIN	finish(ed)	NIC	not in contract	SQ	square
CAB	cabinet	FLR	floor	NLB	non-load bearing	SS	stainless steel
CAR	carpet	FLUOR	fluorescent	NOA	Notice of Acceptance	STD	standard
CER	ceramic	FPL	fireplace	NOM	nominal	STR/L	structural
CF	cubic foot	FTG	footing	NTS	not to scale	STL	steel
CJ	control joint	GA	gauge	OC	on center	STOR	storage
CH	ceiling height	GALV	galvanized	OD	outside diameter	SUSP	suspended
CLG	ceiling	GYP	gypsum	OPG	opening	T&G	tongue and groove
CLR	clear(ance)	HB	hose bib	OPH	opposite hand	T	tread
CMU	concrete masonry unit	H/C	handicapped	OPP	opposite	TEL	telephone
COL	column	HC	hollow core	OSB	oriented strand board	THK	thickness
CONC	concrete	HDR	header	PCF	plate	TV	television
CONT	continuous or continue	HDW	hardware	PL	plate	TYP	typical
CORR	corrugated	HM	hollow metal	PL	property line	UNO	unless noted otherwise
CSE	course(s)	HORIZ	horizontal	PLAS	plastic	VCT	vinyl composition tile
CT	ceramic tile	HT	height	PLYWD	plywood	VERT	vertical
CY	cubic yard	HVAC	heating / ventilation / air conditioning	PREFAB	prefabricated	W	west
DT	detail	ID	inside diameter	PREFIN	prefinished	W	width, wide
DF	drinking fountain	INSUL	insulation	PSF	pounds per square foot	WC	water closet
DH	dropped header	INT	interior	PSI	pounds per square inch	WD	wood
DIA	diameter	INV	invert	PT	pressure treated	WH	water heater
DIM	dimension	JT	joint	PVC	polyvinyl chloride	WIN	window
DR	door			PVMT	pavement	WWF	welded wire fabric

GENERAL NOTES

- ALL WORK TO COMPLY WITH APPLICABLE CODES. THE CONTRACTOR MUST COMPLY WITH THE RULES AND REGULATIONS OF AGENCIES HAVING JURISDICTION AND TO CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL CONSTRUCTION, SAFETY AND SANITARY LAWS, CODES, STATUTES AND ORDINANCES.
- ALL FEES, TAXES, PERMITS, APPLICATIONS AND CERTIFICATES OF INSPECTION AND THE FILING OF ALL WORK WITH GOVERNMENTAL AGENCIES TO BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR TO OBTAIN ALL PERMITS AND APPROVALS PRIOR TO COMMENCEMENT WITH THE WORK.
- ALL WORK SHALL BE PERFORMED BY SKILLED AND QUALIFIED WORKMEN IN ACCORDANCE WITH THE BEST PRACTICES OF THE TRADES INVOLVED AND IN COMPLIANCE WITH BUILDING REGULATIONS AND/OR GOVERNMENT LAWS, STATUTES OR ORDINANCES CONCERNING THE USE OF UNION LABOR.
- CONTRACTOR AND SUB-CONTRACTORS TO FIELD VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON DOCUMENTS AND MUST NOTIFY ARCHITECT OF ANY DISCREPANCIES, OMISSIONS AND/OR CONFLICTS PRIOR TO PROCEEDING WITH THE WORK.
- EACH TRADE WILL BE EXPECTED TO PROCEED IN A FASHION THAT WILL NOT DELAY OTHER TRADES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DISTRIBUTION OF DRAWINGS TO ALL TRADES UNDER THEIR JURISDICTION.
- ALL MATERIALS TO BE NEW UNLESS OTHERWISE NOTED. MANUFACTURED MATERIALS AND EQUIPMENT TO BE STORED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN RECOMMENDATIONS AND INSTRUCTIONS.
- THERE WILL BE NO SUBSTITUTIONS OF MATERIALS WHERE A MANUFACTURER IS SPECIFIED. WHERE THE TERMS "EQUAL TO" OR "APPROVED EQUAL" ARE USED, ARCHITECT TO DETERMINE EQUALITY BASED ON INFORMATION SUBMITTED BY THE CONTRACTOR.
- ALL WORK AND MATERIALS TO BE GUARANTEED AGAINST DEFECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR AFTER APPROVAL OF FINAL PAYMENT.
- THE CONTRACTOR TO, AT ALL TIMES, KEEP THE PREMISES FREE OF ACCUMULATION OF WASTE MATERIALS OR RUBBISH; PREMISES TO BE SWEEPED CLEAN DAILY.
- THE CONTRACTOR TO PROVIDE FINAL CLEANING OF ALL AREAS OF WORK INCLUDING THE CONSTRUCTION ACCESS ROUTE. FINAL CLEANING TO INCLUDE WINDOWS AND CEILING.
- DO NOT SCALE DRAWINGS; DIMENSIONS GOVERN. LARGER SCALE DRAWINGS TO GOVERN OVER SMALLER SCALE DRAWINGS.
- IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR IS RESPONSIBLE TO GET CLARIFICATION AND DIRECTION FROM ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
- ALL INSTALLED PLUMBING, MECHANICAL AND ELECTRICAL EQUIPMENT TO OPERATE QUIETLY AND BE FREE OF VIBRATION.
- UNLESS OTHERWISE NOTED IN MECHANICAL DRAWINGS OR SPECIFICATIONS, HOLD DUCTS AND MECHANICAL EQUIPMENT TIGHT TO STRUCTURE ABOVE.
- THE CONTRACTOR SHALL NOT LOCATE CEILING DIFFUSERS OR REGISTERS WHERE FULL HEIGHT SHELVING, FILES OR STORAGE UNITS ARE INDICATED ON PLANS.
- ALL CEILING DIFFUSERS AND REGISTERS TO BE THE SAME COLOR AS THE CEILING UNLESS NOTED OTHERWISE.
- ALL SURFACES TO BE PROPERLY PRIMED OR PREPARED PRIOR TO INSTALLATION OF SPECIFIED FINISHES.
- ALL FINISHES TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS FOR THE TYPE OF MATERIAL AND INSTALLATION SPECIFIED.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE BLOCKING FOR WALL SUPPORTED ELEMENTS INCLUDING MILLWORK, EQUIPMENT, FIXTURES AND FURNITURE. CONTRACTOR TO VERIFY EXTENT AND COORDINATE WITH APPROPRIATE SUBCONTRACTORS.
- PAINT TO BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS OVER PROPERLY PREPARED SURFACES. WALLS TO BE STRAIGHT AND SMOOTH. PROVIDE MINIMUM ONE COAT PRIME AND ONE FINISH COAT. FINISHED COAT TO COMPLETELY COVER WITH NO STREAKING OR BLEEDING OF UNDERCOATS.
- UPON COMPLETION OF THE WORK, THE CONTRACTOR TO NOTIFY THE ARCHITECT THAT THE PROJECT IS READY FOR INSPECTION. THE ARCHITECT AND THE OWNER REP WILL COMPILE A "PUNCH LIST" OF CORRECTIONS NEEDED, OF UNSATISFACTORY AND/OR INCOMPLETE WORK. FINAL PAYMENT WILL BE CONTINGENT UPON THE SUCCESSFUL COMPLETION OF THE PUNCH LIST.
- DRYWALL CONTRACTOR TO CLOSELY COORDINATE HIS WORK WITH THAT OF OTHER TRADES. WHERE DRYWALL IS IN CONFLICT WITH DUCTWORK, PLUMBING LINES, ETC. THIS CONTRACTOR TO PROVIDE ALL NECESSARY BRIDGING AND BRACING REQUIRED TO SECURE DRYWALL AND TO MAINTAIN FIRE OR SOUND RATINGS WHERE REQUIRED.
- CONTRACTOR TO PROVIDE ADVANCE NOTIFICATION TO ARCHITECT WHEN OWNER'S REPRESENTATIVE OR THEIR CONTRACTOR(S) ARE REQUIRED AT JOB SITE FOR COORDINATION MEETINGS OR INSTALLATIONS.
- ALL FIRE EXTINGUISHER CABINETS OR ELECTRICAL PANELS LOCATED IN RATED PARTITIONS TO BE BACKED WITH GYPSUM BOARD AS REQUIRED TO MAINTAIN PARTITION RATING.
- EXTEND ALL FIRE RATED PARTITIONS TO STRUCTURE; FILL ALL VOIDS WITH FIRE SAFING MATERIAL OR FIRE-RATED CAULK, CONTINUOUS AS REQUIRED BY CODE.
- CONTRACTOR IS RESPONSIBLE FOR FIRESTOPPING ALL NEW AND EXISTING FIRE RATED PARTITIONS AND ALL PENETRATION THROUGH RATED AREAS INCLUDING SLABS. SEAL TO MAINTAIN PROPER RATING.
- DIMENSIONS ARE TO COLUMN CENTERLINE, FACE OF WALL FRAMING OR FACE OF CONCRETE/CMU SURFACE, NOT INCLUDING PROPOSED WALL FINISHES SUCH AS DRYWALL, CERAMIC TILE, ETC. UNLESS OTHERWISE NOTED. DIMENSIONS ARE NOMINAL UNLESS OTHERWISE INDICATED.
- ALL WORK TO BE SCHEDULED DURING REGULAR BUSINESS HOURS UNLESS NOTED OTHERWISE.
- MILLWORK TO CONFORM WITH AWI STANDARDS FOR PREMIUM GRADE MILLWORK. DRAWINGS INDICATE DESIGN INTENT. FABRICATOR IS RESPONSIBLE FOR MILLWORK ENGINEERING.
- PROVIDE ALL NECESSARY CUT-OUTS FOR THE INSTALLATION OF ELECTRICAL AND VOICE/DATA OUTLETS, THERMOSTATS, SWITCHES AND OTHER DEVICES.
- WHERE PIPES, CONDUITS OR LOW TENSION WIRING PENETRATE A FIRE RATED ENCLOSURE, THE SPACE AROUND SHALL NOT EXCEED 1/2" AND SHALL BE PACKED SOLID WITH BATT INSULATION AND FITTED WITH ESCUTCHEON PLATES ON BOTH SIDES OR EQUIVALENT TREATMENT TO INSURE COMPLIANCE WITH FIRE RATING.
- WHERE DUCT OR PART OF DUCT IS RUNNING PARALLEL OVER FIRE RATED PARTITION, EXTEND RATED PARTITION AROUND DUCT TO EFFECT COMPLETE MAINTENANCE OF FIRE-RATING.
- UNLESS OTHERWISE NOTED, ALL NEW DOORS TO BE 3'-0"W x 7'-0"H. ALL DOORS TO HAVE LEVER OR PANIC HARDWARE. SEE DOOR SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

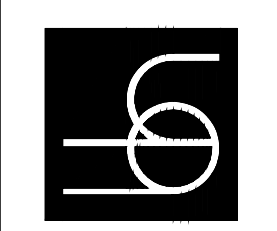


MATERIALS LEGEND



SYMBOLS LEGEND

BHIDE & HALL ARCHITECTS, P.A.
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 1329 KINGSLEY AVENUE, SUITE C ORANGE PARK, FLORIDA 32073
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**Renovations to 2100 Area Barracks
 Camp Blanding Joint Training Center
 Starke, Florida**
 CFMO PROJECT NO: 218042

Architect License No.
 BRIAN SAWYER AR0091953

SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES

DATE	4-17-2020
D.B.	B.S.S.
C.R.	B.S.S.
JOB NO.	18038

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 BID SUBMITTAL

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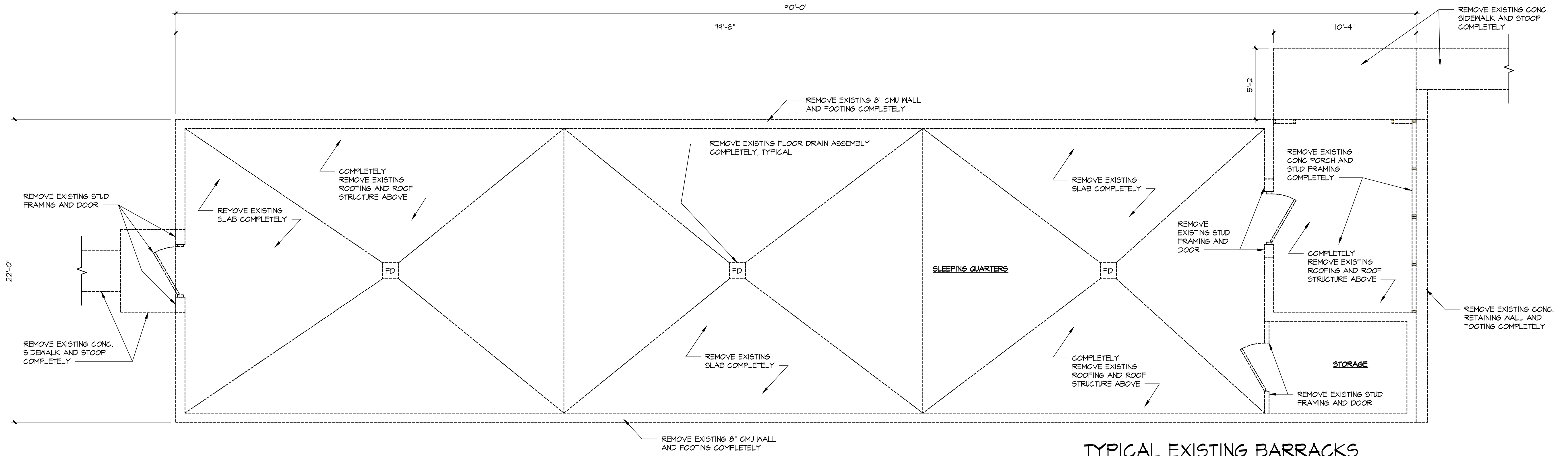
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- GENERAL NOTES:**
1. REMOVE ALL EXISTING CONSTRUCTION UNLESS OTHERWISE NOTED ELSEWHERE.
 2. TERMINATE ALL SERVICES AT POINT NEAREST TO REMOVED CONSTRUCTION.
 3. DOORS AND WINDOWS MAY VARY BETWEEN BARRACKS.

**TYPICAL EXISTING BARRACKS
DEMOLITION PLAN**
SCALE: 1/4" = 1'-0"

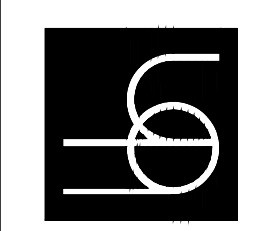
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Starke, Florida**
 CFMO PROJECT NO: 218042

Architect License No.
 BRUCE SAWYER AR0091953

REVISIONS	DATE	DESCRIPTION

DEMOLITION FLOOR PLAN	
DATE	4-17-2020
D.B.	B.S.S.
C.R.	B.S.S.
JOB NO.	18038
AD201	
BID SUBMITTAL	

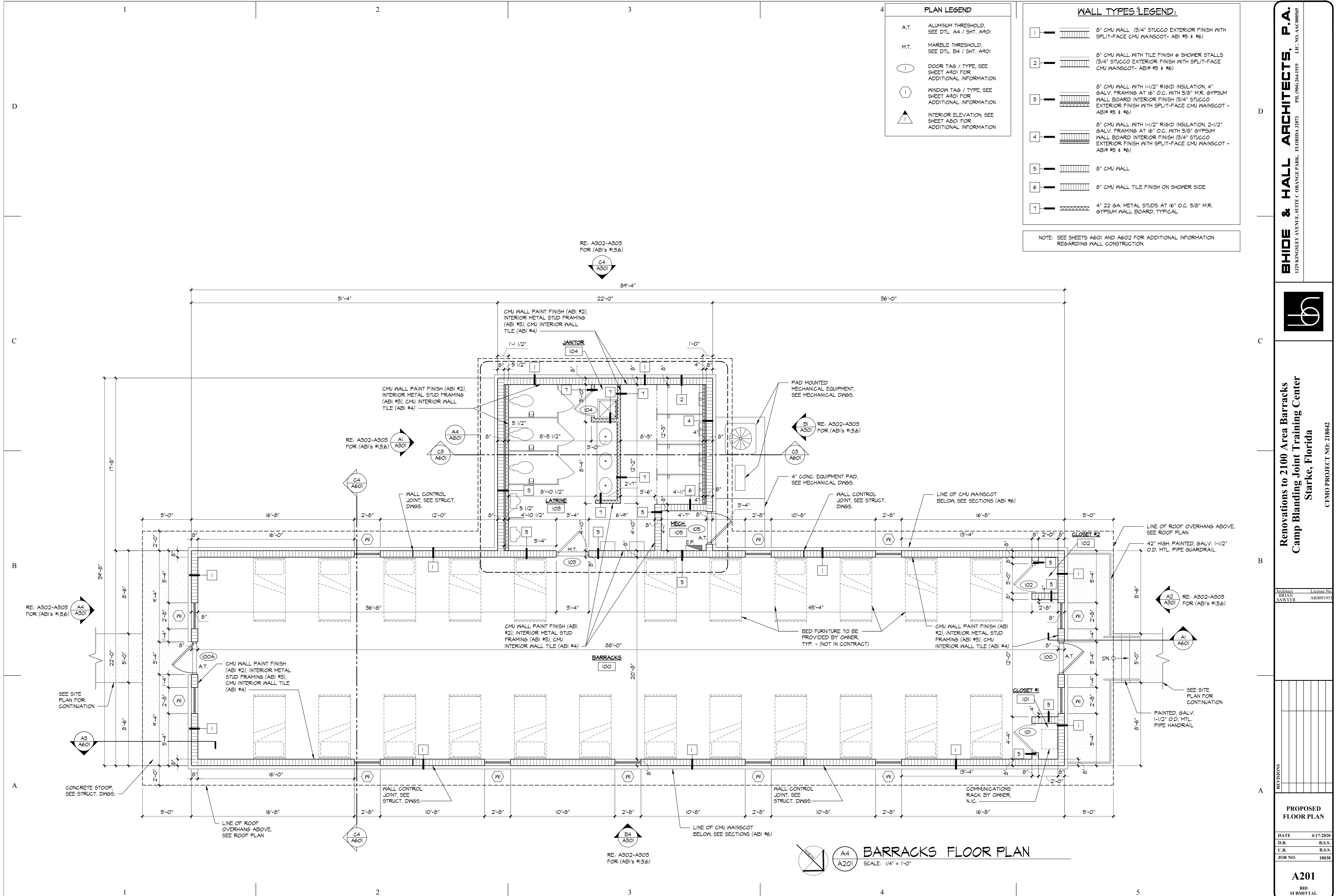
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PLAN LEGEND

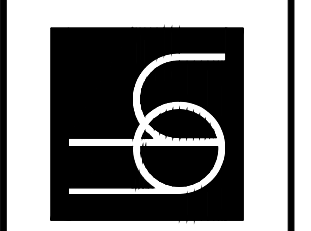
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M.T.	MARBLE THRESHOLD, SEE DTL. B4 / SHT. A901
(1)	DOOR TAG / TYPE, SEE SHEET A901 FOR ADDITIONAL INFORMATION
(W)	WINDOW TAG / TYPE, SEE SHEET A901 FOR ADDITIONAL INFORMATION
(E)	INTERIOR ELEVATION, SEE SHEET A901 FOR ADDITIONAL INFORMATION

WALL TYPES LEGEND:

1	8" CMU WALL (3/4" STUCCO EXTERIOR FINISH WITH SPLIT-FACE CMU MAINSCOT- ABI #5 & #6)
2	8" CMU WALL WITH TILE FINISH @ SHOWER STALLS (3/4" STUCCO EXTERIOR FINISH WITH SPLIT-FACE CMU MAINSCOT- ABI #5 & #6)
3	8" CMU WALL WITH 1-1/2" RIGID INSULATION, 4" GALV. FRAMING AT 16" O.C. WITH 5/8" M.R. GYPSUM WALL BOARD INTERIOR FINISH (3/4" STUCCO EXTERIOR FINISH WITH SPLIT-FACE CMU MAINSCOT - ABI# #5 & #6)
4	8" CMU WALL WITH 1-1/2" RIGID INSULATION, 2-1/2" GALV. FRAMING AT 16" O.C. WITH 5/8" GYPSUM WALL BOARD INTERIOR FINISH (3/4" STUCCO EXTERIOR FINISH WITH SPLIT-FACE CMU MAINSCOT - ABI# #5 & #6)
5	8" CMU WALL
6	8" CMU WALL TILE FINISH ON SHOWER SIDE
7	4" 22 GA. METAL STUDS AT 16" O.C. 5/8" M.R. GYPSUM WALL BOARD, TYPICAL

NOTE: SEE SHEETS A601 AND A602 FOR ADDITIONAL INFORMATION REGARDING WALL CONSTRUCTION.

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 Starke, Florida**
 CFMO PROJECT NO: 218042

Architect: License No.
 BHIDE & HALL, AR0091953
 SAWYER

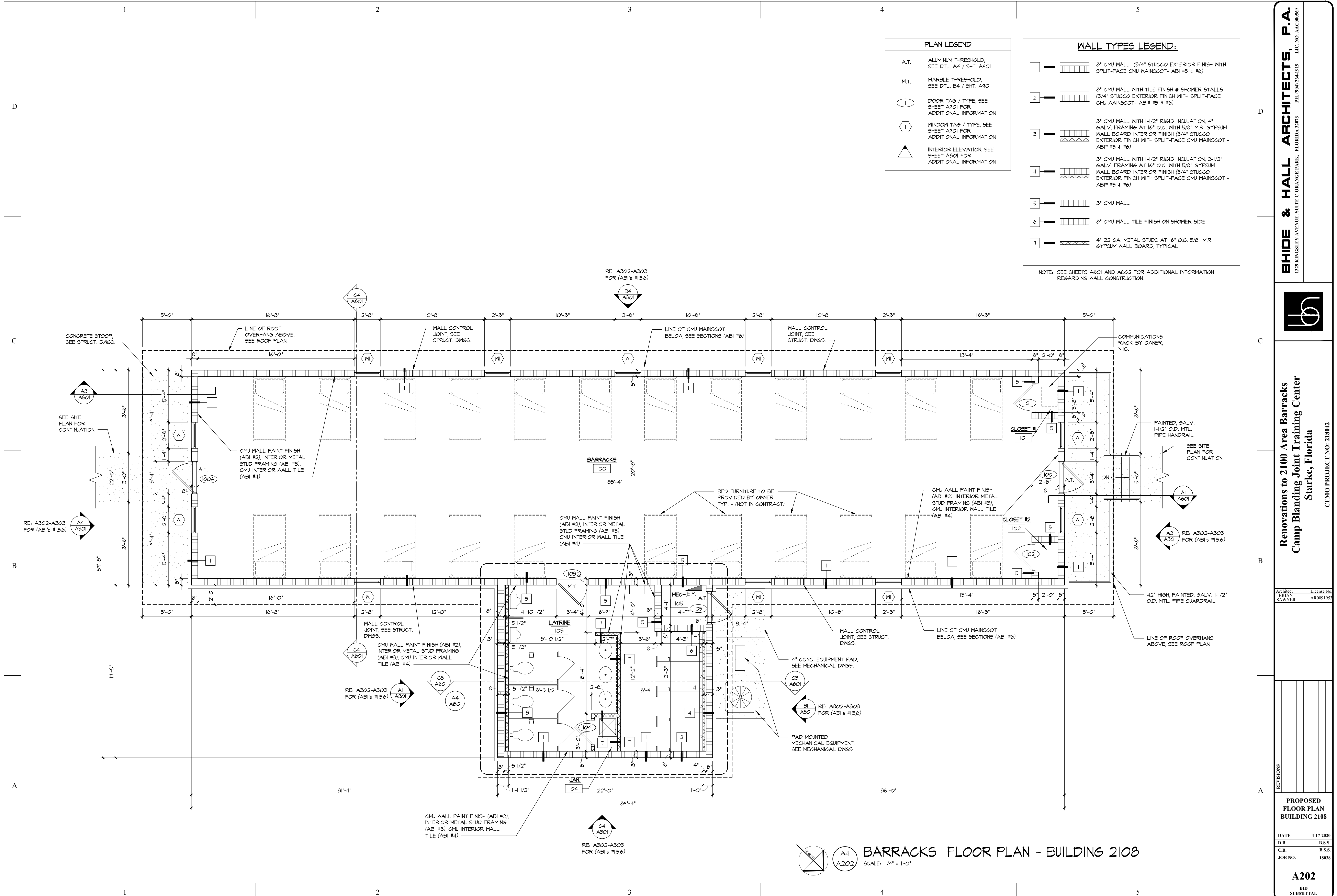
REVISIONS

PROPOSED FLOOR PLAN

DATE	4-17-2020
D.B.	B.S.S.
C.B.	B.S.S.
JOB NO.	18038

A201
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BARRACKS FLOOR PLAN
 SCALE: 1/4" = 1'-0"



PLAN LEGEND

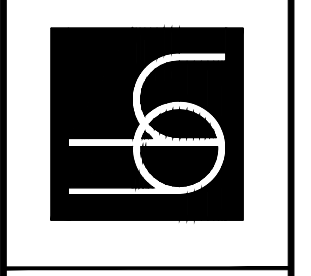
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M.T.	MARBLE THRESHOLD, SEE DTL. B4 / SHT. A901
(I)	DOOR TAG / TYPE, SEE SHEET A901 FOR ADDITIONAL INFORMATION
(W)	WINDOW TAG / TYPE, SEE SHEET A901 FOR ADDITIONAL INFORMATION
(▲)	INTERIOR ELEVATION, SEE SHEET A801 FOR ADDITIONAL INFORMATION

WALL TYPES LEGEND:

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7	4" 22 GA. METAL STUDS AT 16" O.C. 5/8" M.R. GYPSUM WALL BOARD, TYPICAL

NOTE: SEE SHEETS A601 AND A602 FOR ADDITIONAL INFORMATION REGARDING WALL CONSTRUCTION.

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**Renovations to 2100 Area Barracks
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 Starke, Florida**
 CFMO PROJECT NO: 218042

Architect License No. AR0091953
 Brian Sawyer

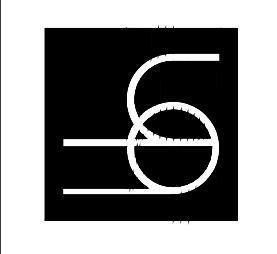
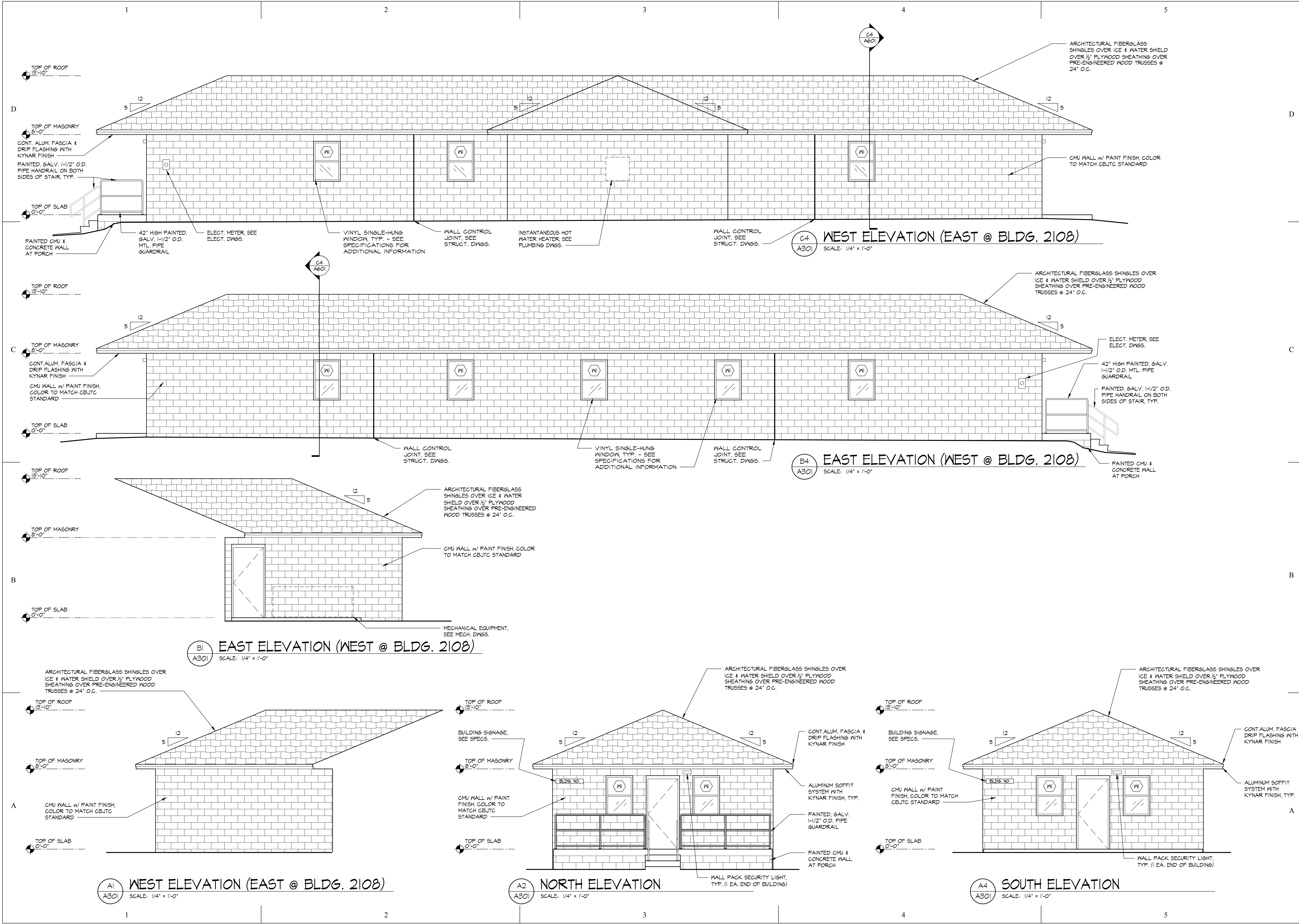
REVISIONS

PROPOSED FLOOR PLAN BUILDING 2108

DATE	4-17-2020
D.B.	B.S.S.
C.B.	B.S.S.
JOB NO.	18038

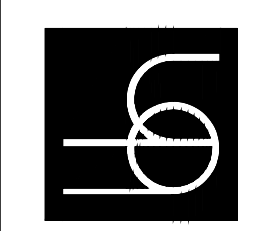
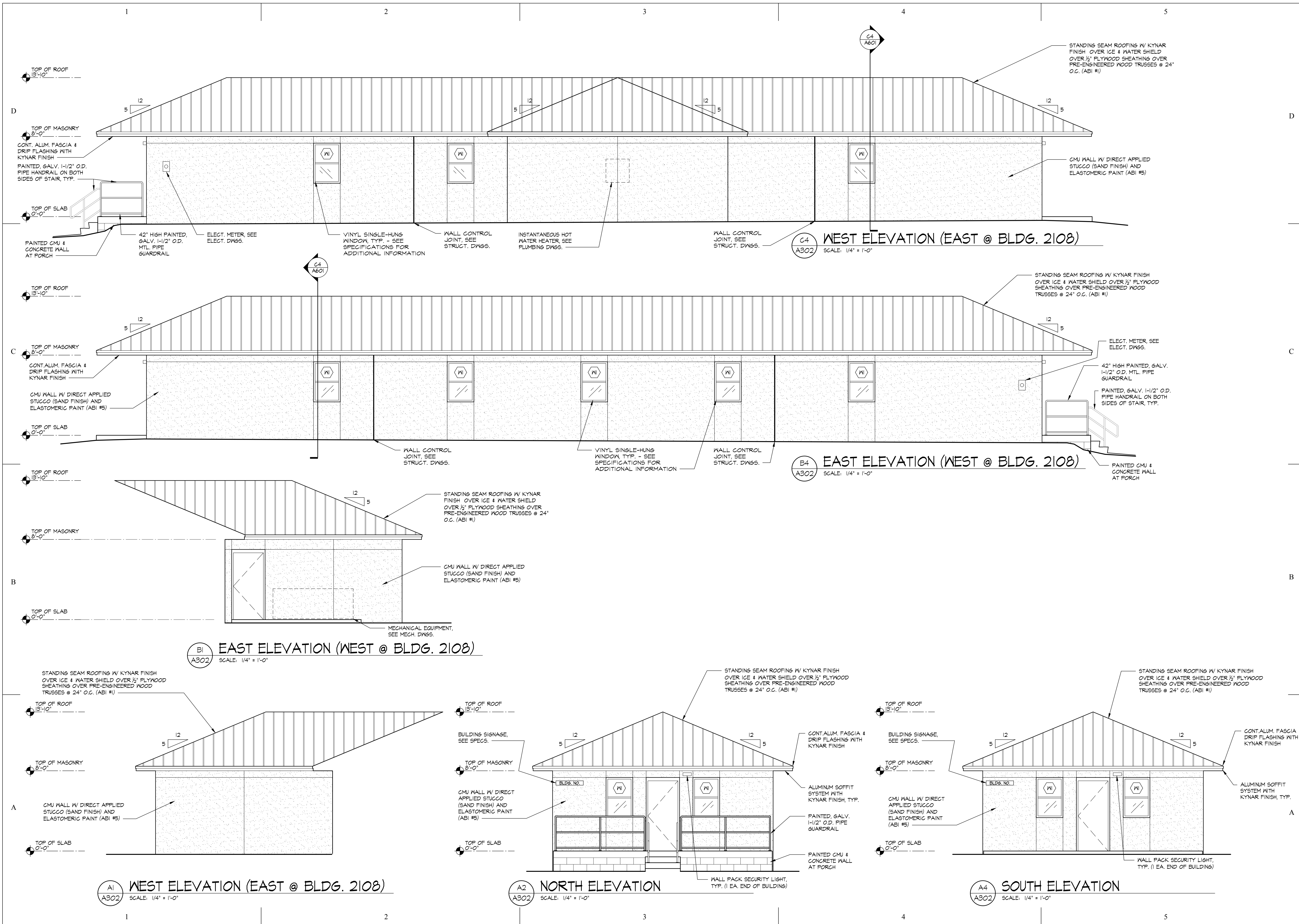
A202
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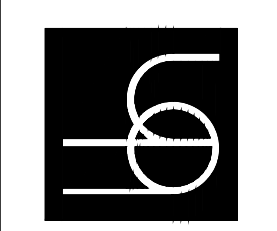
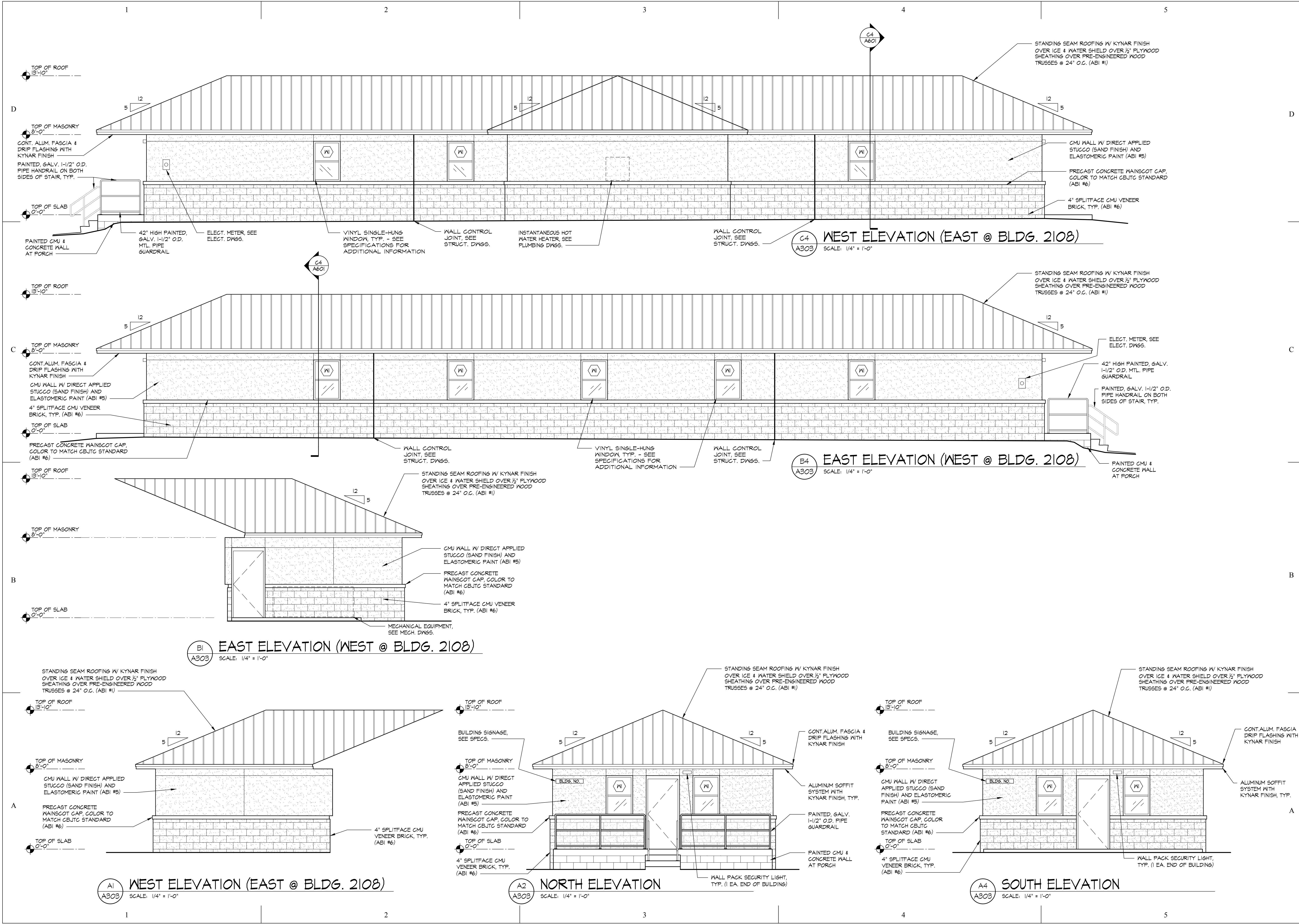
BARRACKS FLOOR PLAN - BUILDING 2108
 SCALE: 1/4" = 1'-0"



EXTERIOR ELEVATIONS (BASE BID)

DATE	4-17-2020
D.R.	B.S.S.
C.R.	B.S.S.
JOB NO.	18038





1

2

3

4

5

D

C

B

A

D

C

B

A

RE: A302-A303 FOR (ABI)'s #156

A4 A301

A3 A601

A3 A601

A3 A601

A3 A601



A2 A401

BARRACKS REFLECTED CEILING PLAN

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

RE: A302-A303 FOR (ABI)'s #156

B4 A301

RE: A302-A303 FOR (ABI)'s #156

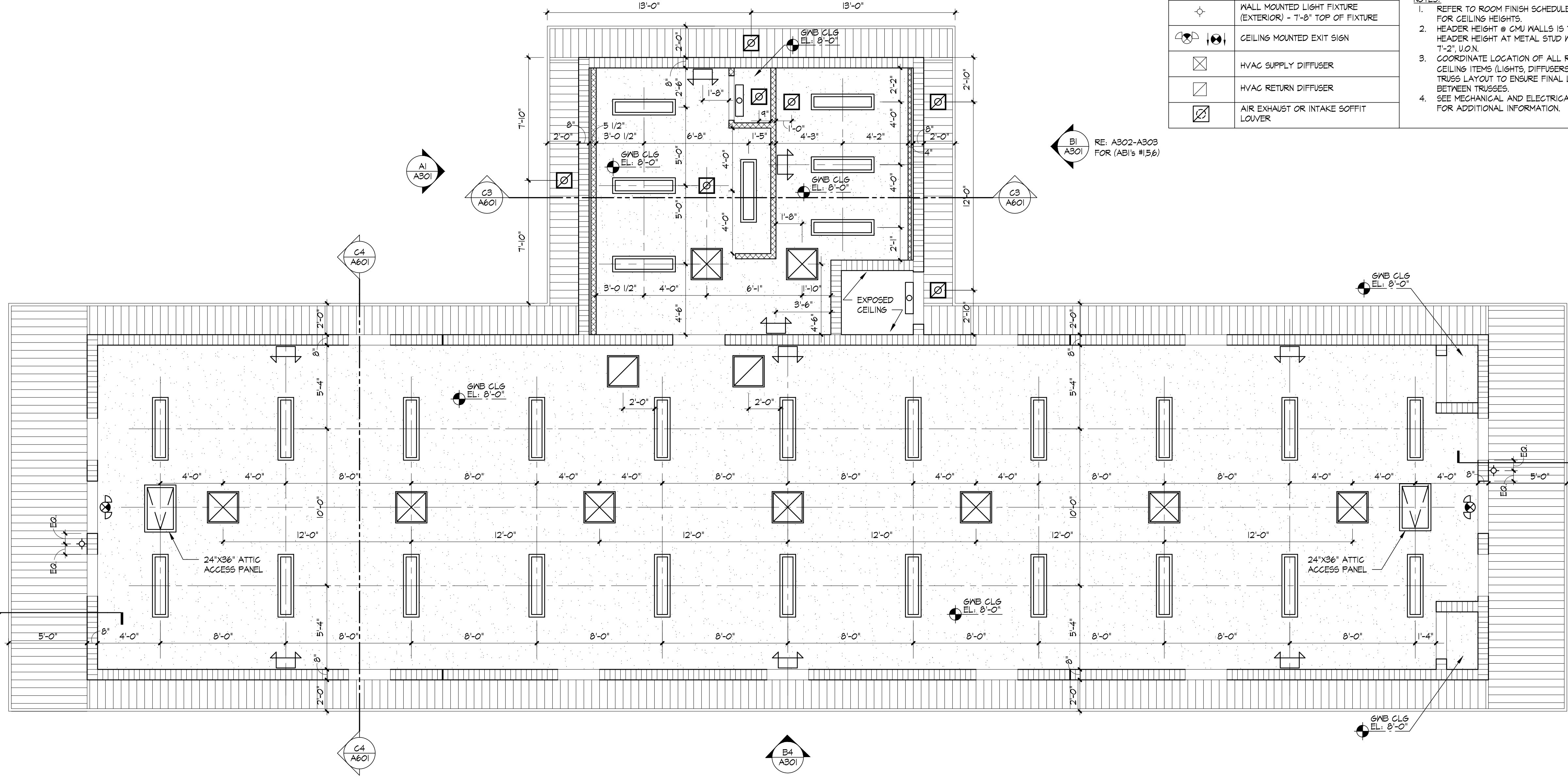
C4 A301

RE: A302-A303 FOR (ABI)'s #156

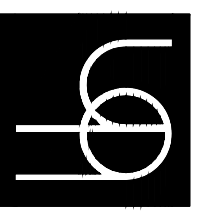
B1 A301

RCP LEGEND & NOTES	
	DENOTES ALUMINUM SOFFIT
	DENOTES GWB CEILING, SEE FINISH SCHEDULE FOR ADDITIONAL INFO.
	1'x4' SURFACE MOUNTED LED LIGHT FIXTURE
	6'x24' WALL MOUNTED LED LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE (EXTERIOR) - 7'-8" TOP OF FIXTURE
	CEILING MOUNTED EXIT SIGN
	HVAC SUPPLY DIFFUSER
	HVAC RETURN DIFFUSER
	AIR EXHAUST OR INTAKE SOFFIT LOUVER
	WALL MOUNTED EMERGENCY LIGHT FIXTURE
	ATTIC ACCESS

NOTES:
 1. REFER TO ROOM FINISH SCHEDULE REF. A401 FOR CEILING HEIGHTS.
 2. HEADER HEIGHT @ CMU WALLS IS 7'-4". HEADER HEIGHT AT METAL STUD WALLS IS 7'-2" U.O.N.
 3. COORDINATE LOCATION OF ALL RECESSED CEILING ITEMS (LIGHTS, DIFFUSERS, ETC.) WITH TRUSS LAYOUT TO ENSURE FINAL LOCATION BETWEEN TRUSSES.
 4. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.



BHIDE & HALL ARCHITECTS, P.A.
1329 KINGSLEY AVENUE, SUITE C ORANGE PARK, FLORIDA 32073
PH: (904) 264-1919
LIC. NO. AAC000869



**Renovations to 2100 Area Barracks
Camp Blanding Joint Training Center
Starke, Florida**

CFMO PROJECT NO: 218042

Architect License No. AR0091953
BRIAN SAWYER

REVISIONS

REFLECTED CEILING PLAN

DATE	4-17-2020
D.B.	B.S.S.
C.B.	B.S.S.
JOB NO.	18038

A401
BID SUBMITTAL

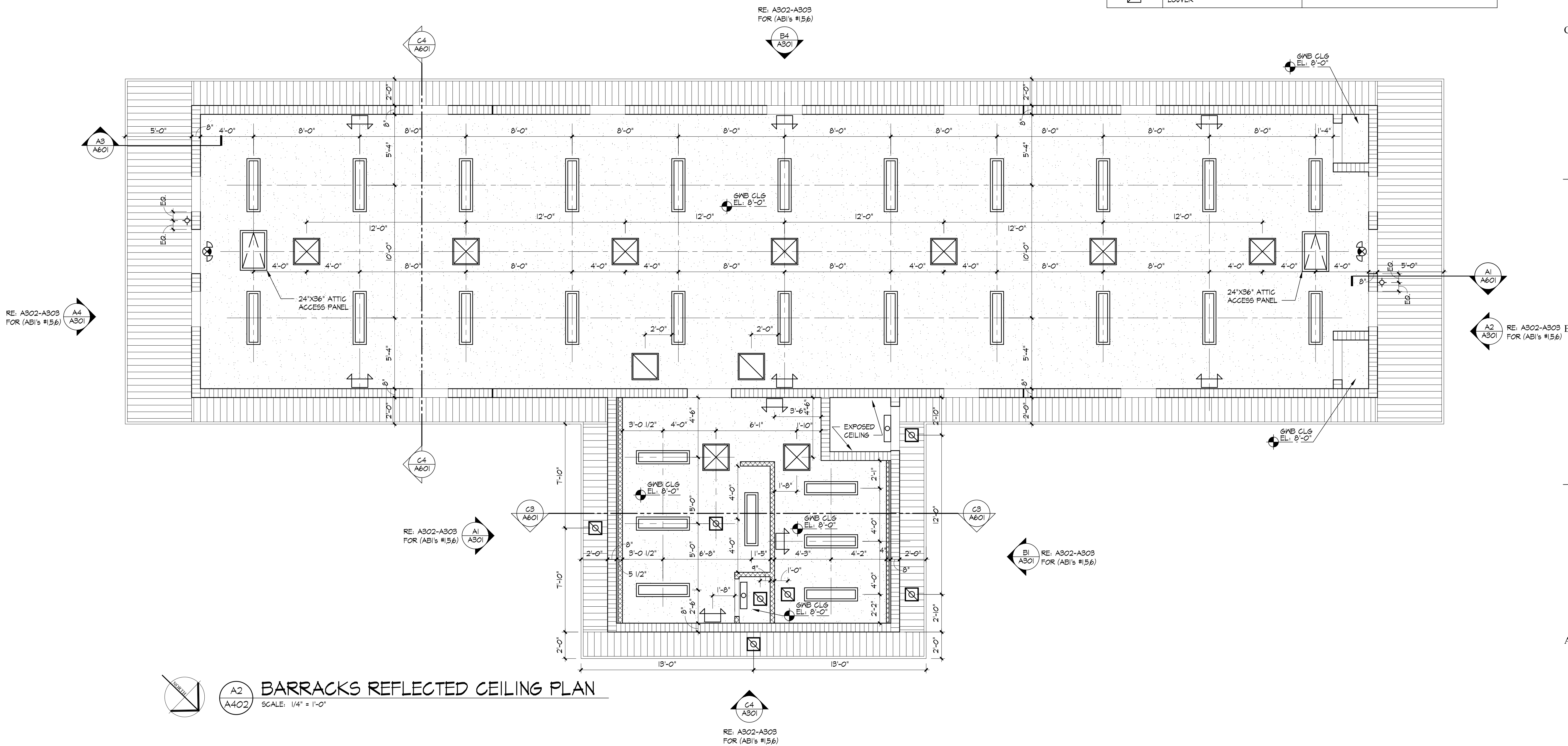
1

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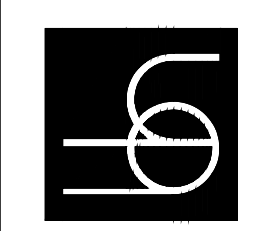
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5

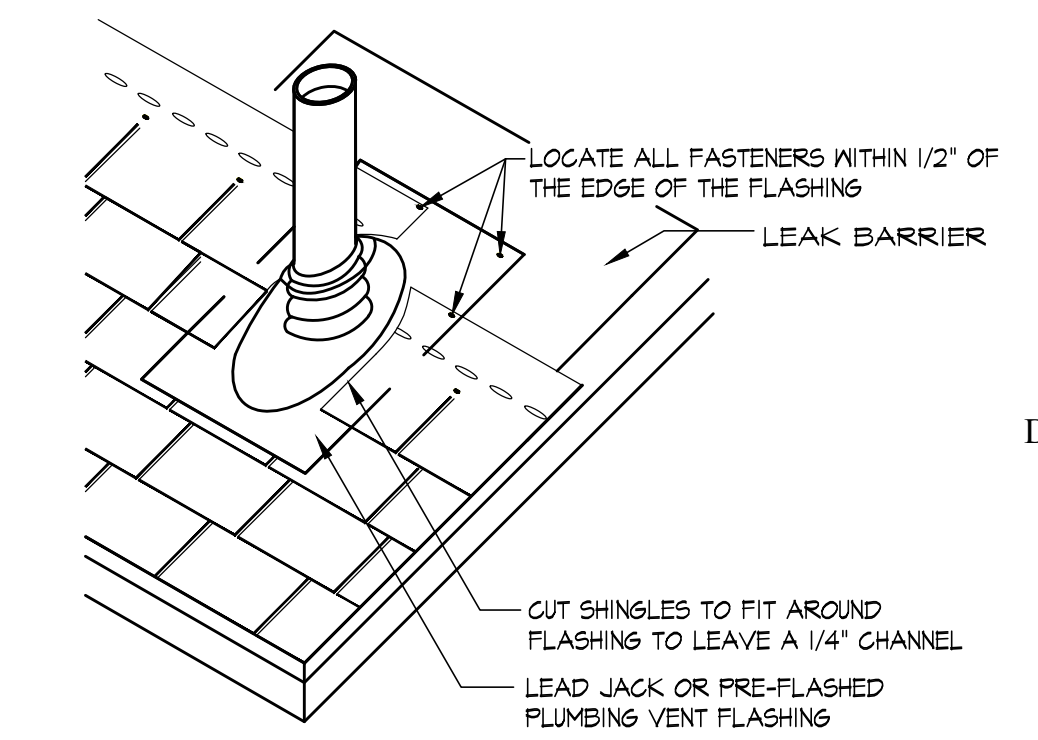
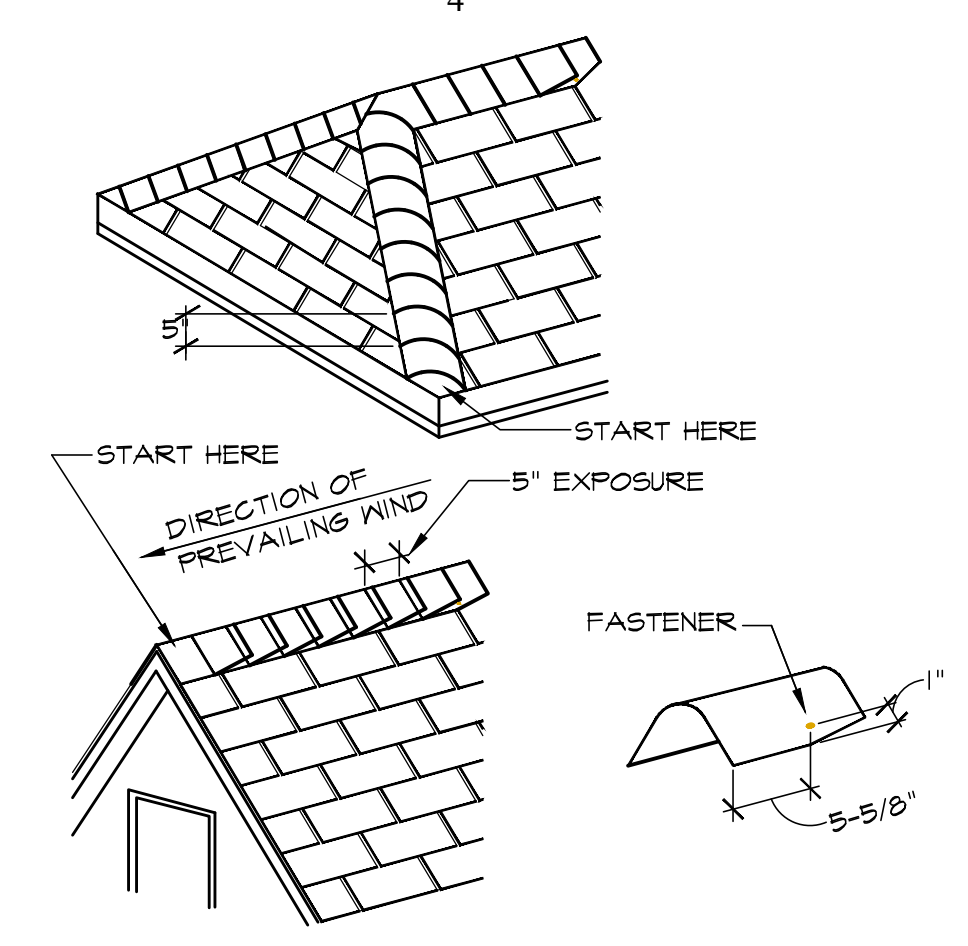
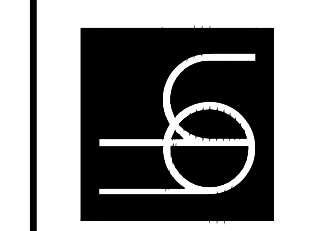


RCP LEGEND & NOTES			
	DENOTES ALUMINUM SOFFIT		WALL MOUNTED EMERGENCY LIGHT FIXTURE
	DENOTES GMB CEILING, SEE FINISH SCHEDULE FOR ADDITIONAL INFO.		ATTIC ACCESS
	1x4 SURFACE MOUNTED LED LIGHT FIXTURE	NOTES: 1. REFER TO ROOM FINISH SCHEDULE REF. A401 FOR CEILING HEIGHTS. 2. HEADER HEIGHT @ CMU WALLS IS 7'-4". HEADER HEIGHT AT METAL STUD WALLS IS 7'-2" U.D.N. 3. COORDINATE LOCATION OF ALL RECESSED CEILING ITEMS (LIGHTS, DIFFUSERS, ETC. WITH TRUSS LAYOUT TO ENSURE FINAL LOCATION BETWEEN TRUSSES. 4. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.	
	6x24 WALL MOUNTED LED LIGHT FIXTURE		
	WALL MOUNTED LIGHT FIXTURE (EXTERIOR) - 1'-8" TOP OF FIXTURE		
	CEILING MOUNTED EXIT SIGN		
	HVAC SUPPLY DIFFUSER		
	HVAC RETURN DIFFUSER		
	AIR EXHAUST OR INTAKE SOFFIT LOUVER		

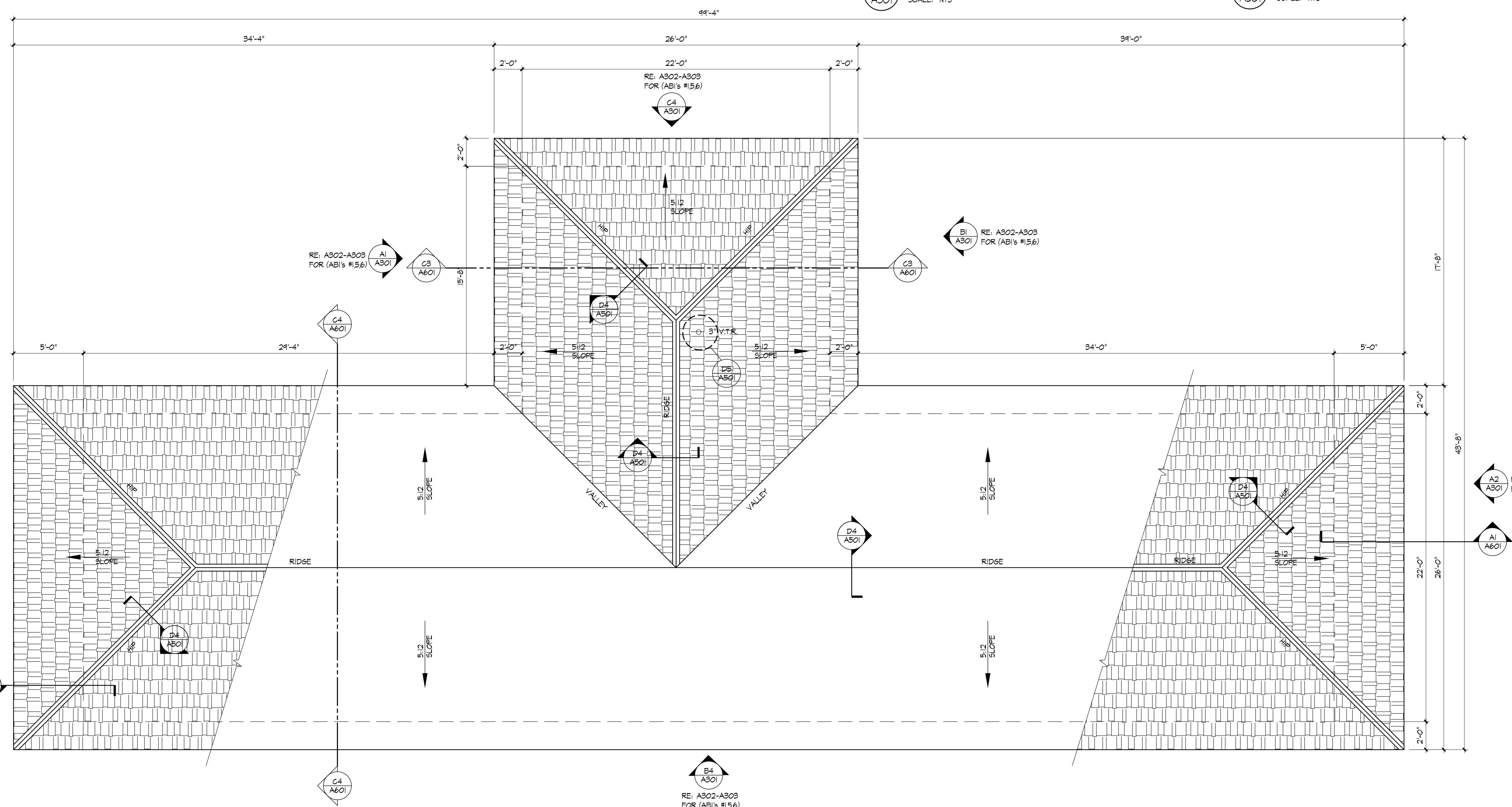
A2 BARRACKS REFLECTED CEILING PLAN
 A402 SCALE: 1/4" = 1'-0"



REFLECTED CEILING PLAN BUILDING 2108	
DATE	4-17-2020
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C.R.	B.S.S.
JOB NO.	18038

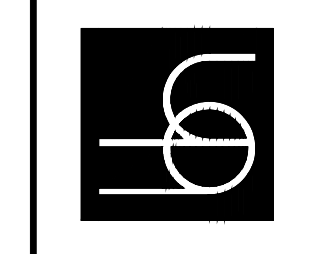


NOTES:
 1) INSTALL 24" WEATHERMATCH OR STORMGUARD LEAK BARRIER TARGET SHEET.
 2) DO NOT FACE NAIL THE PLUMBING VENT FLASHING.



SYMBOLS AND ABBREVIATIONS	
	ARCHITECTURAL FIBERGLASS SHINGLE ROOFING (SEE GENERAL NOTES FOR ADDITIONAL INFO)
	SLOPE DIRECTION - 5/12 SLOPE MIN.
	INDICATES PLUMBING VENT THRU ROOF - PROVIDE FLASHING, COUNTERFLASHING AND SEALANT - SEE PLUMBING DWGS.

GENERAL NOTES	
1. ARROWS ON ROOF PLAN INDICATE SLOPE DIRECTION. PROVIDE PROPER SLOPE PER FOOT REQUIREMENTS THAT MEET ALL MANUF. WARRANTIES AND SPECIFICATIONS. NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO INSTALLATION.	4. CONTRACTOR RESPONSIBLE FOR GENERAL CLEANUP, REMOVAL OF DEBRIS AND PATCHING PRIOR TO COMPLETION OF WORK.
2. TYPICAL ROOF CONSTRUCTION: ARCHITECTURAL FIBERGLASS SHINGLES OVER ICE AND WATER SHIELD OVER 1/2" PLYWOOD SHEATHING OVER PRE-ENGINEERED WOOD TRUSSES @ 24" O.C.	5. FOR ALL ROOF SYSTEMS: PROVIDE FLASHING, COUNTER-FLASHING, SEALANTS AS NEEDED TO MEET ALL MANUFACTURER'S WARRANTIES & SPECIFICATIONS.
3. CONTRACTOR RESPONSIBLE FOR ALL ROOF PENETRATIONS COORDINATION WITH ALL TRADES. NOTIFY ARCHITECT PRIOR TO INSTALLATION OF ANY DISCREPANCIES. PROVIDE FLASHING, COUNTERFLASHING, SEALANTS, BOOTS, ETC. FOR ALL ROOF PENETRATIONS TO MEET DESIGN INTENT, WARRANTIES, SPECS, AND CODES.	6. ALL PROJECTIONS ABOVE ROOF (VENTS, STACKS, RACKS, ETC.) SHALL BE PAINTED TO MATCH COLOR OF ROOF.
	7. SEE GENERAL NOTES SHEET FOR ADDITIONAL NOTES.

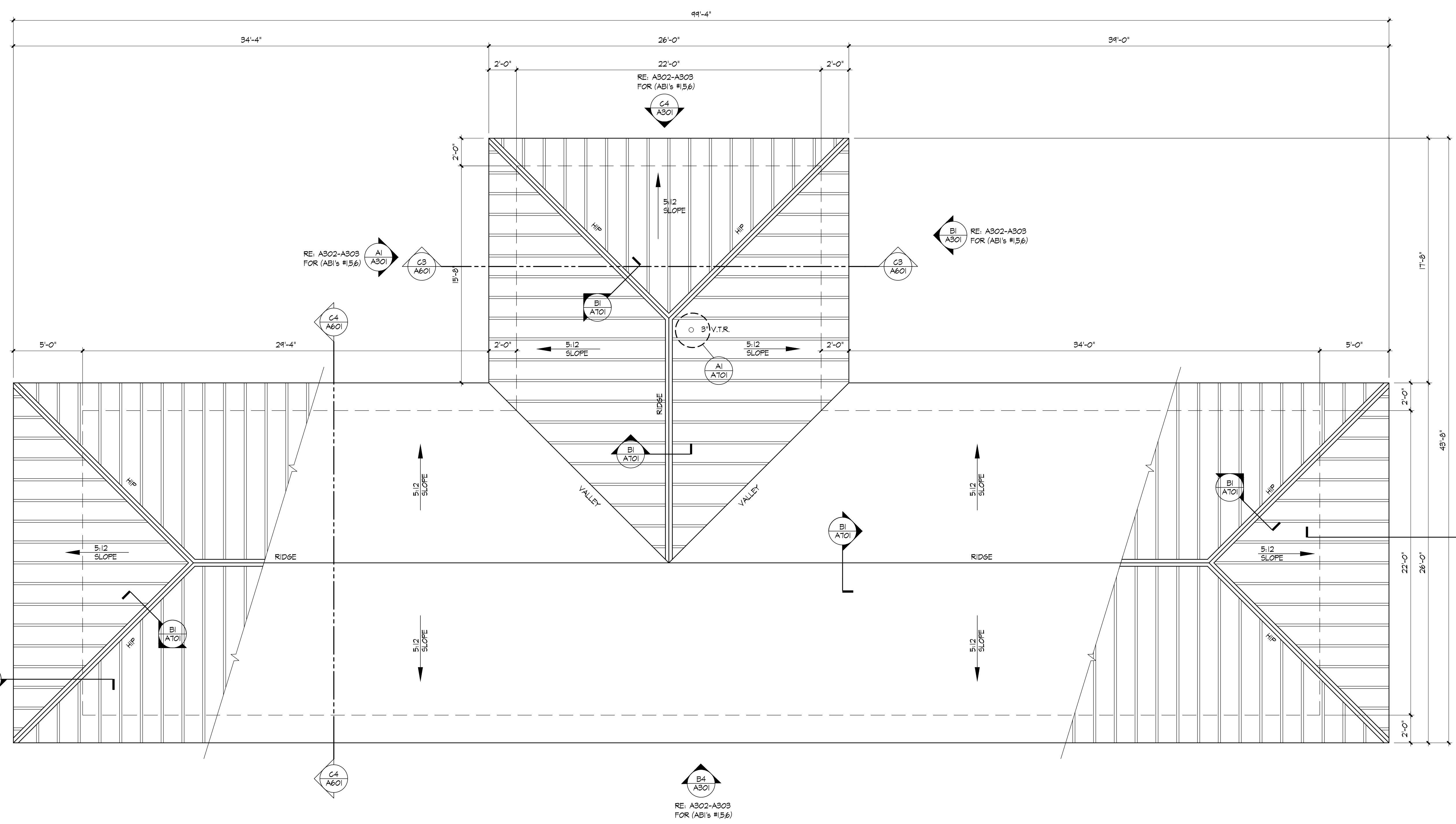


Architect License No.
 BRIAN SAWYER AR0091953

**ROOF PLAN
 (ABI #1)**

DATE	4-17-2020
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C.R.	B.S.S.
JOB NO.	18038

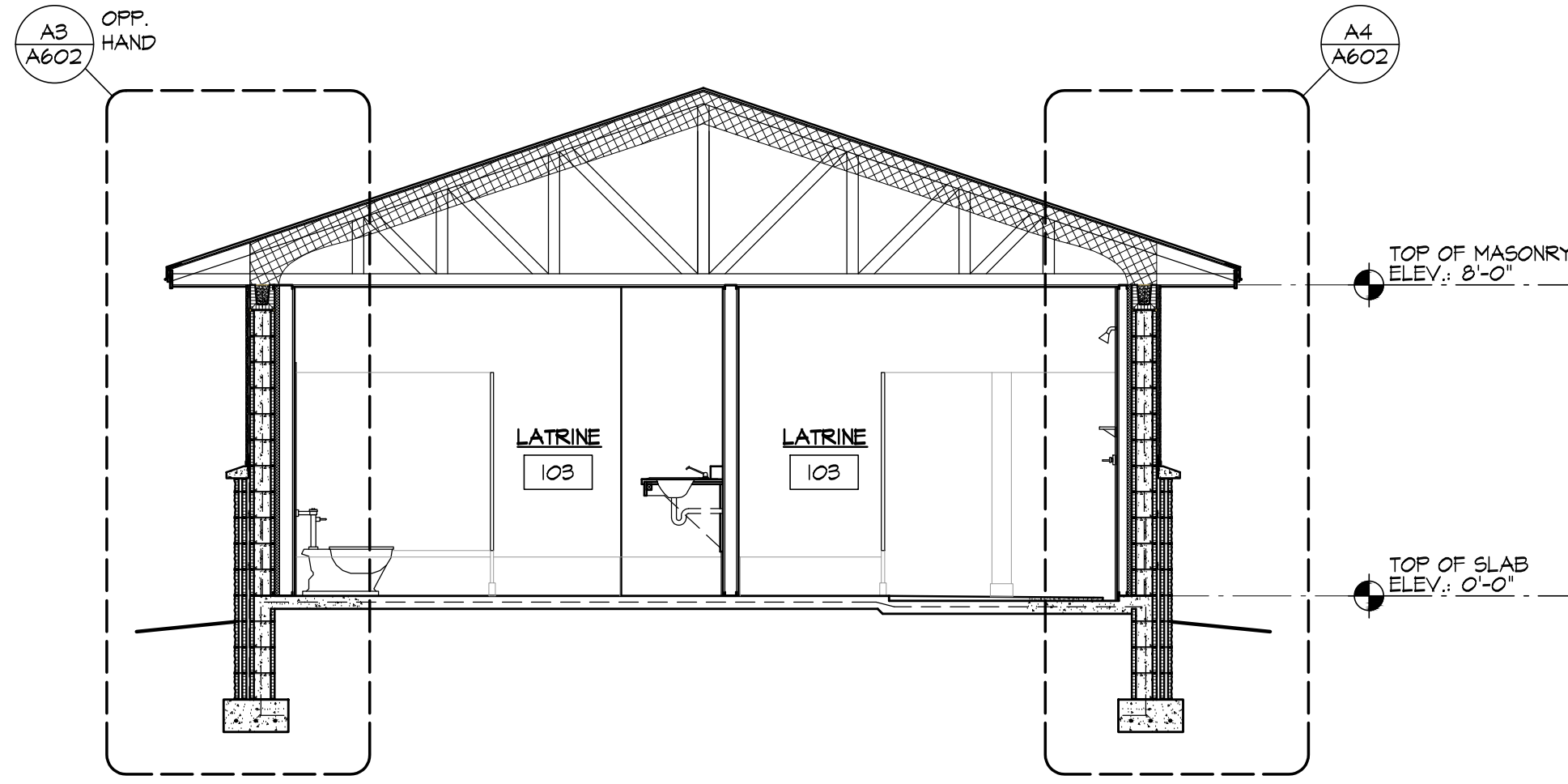
A502
 BID SUBMITTAL



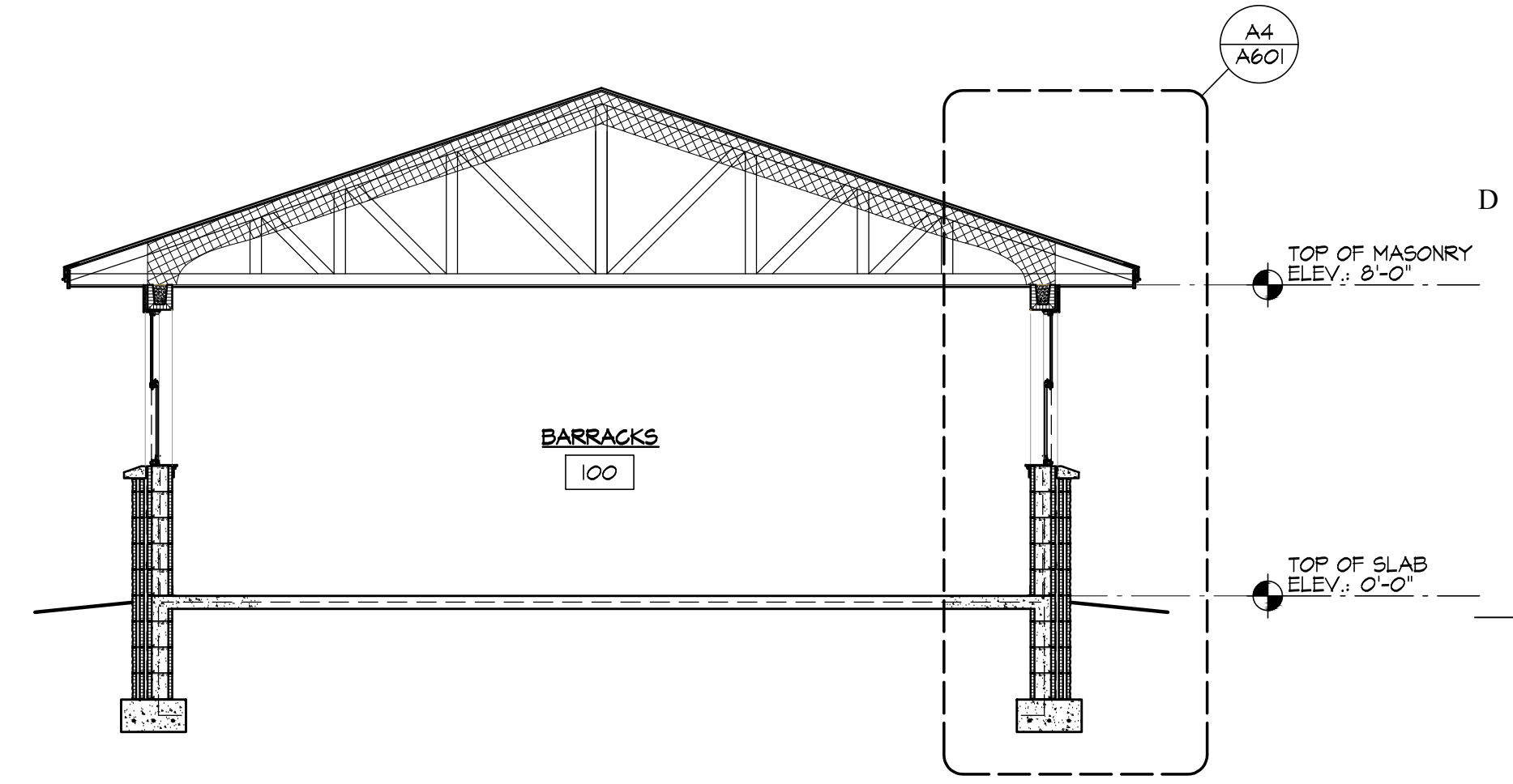
A2 BARRACKS ROOF PLAN
 SCALE: 1/4" = 1'-0"

SYMBOLS AND ABBREVIATIONS	
	STANDING SEAM METAL ROOFING (SEE GENERAL NOTES FOR ADDITIONAL INFO)
	SLOPE DIRECTION - 5:12 SLOPE MIN.
	INDICATES PLUMBING VENT THRU ROOF - PROVIDE FLASHING, COUNTERFLASHING AND SEALANT - SEE PLUMBING DWGS.

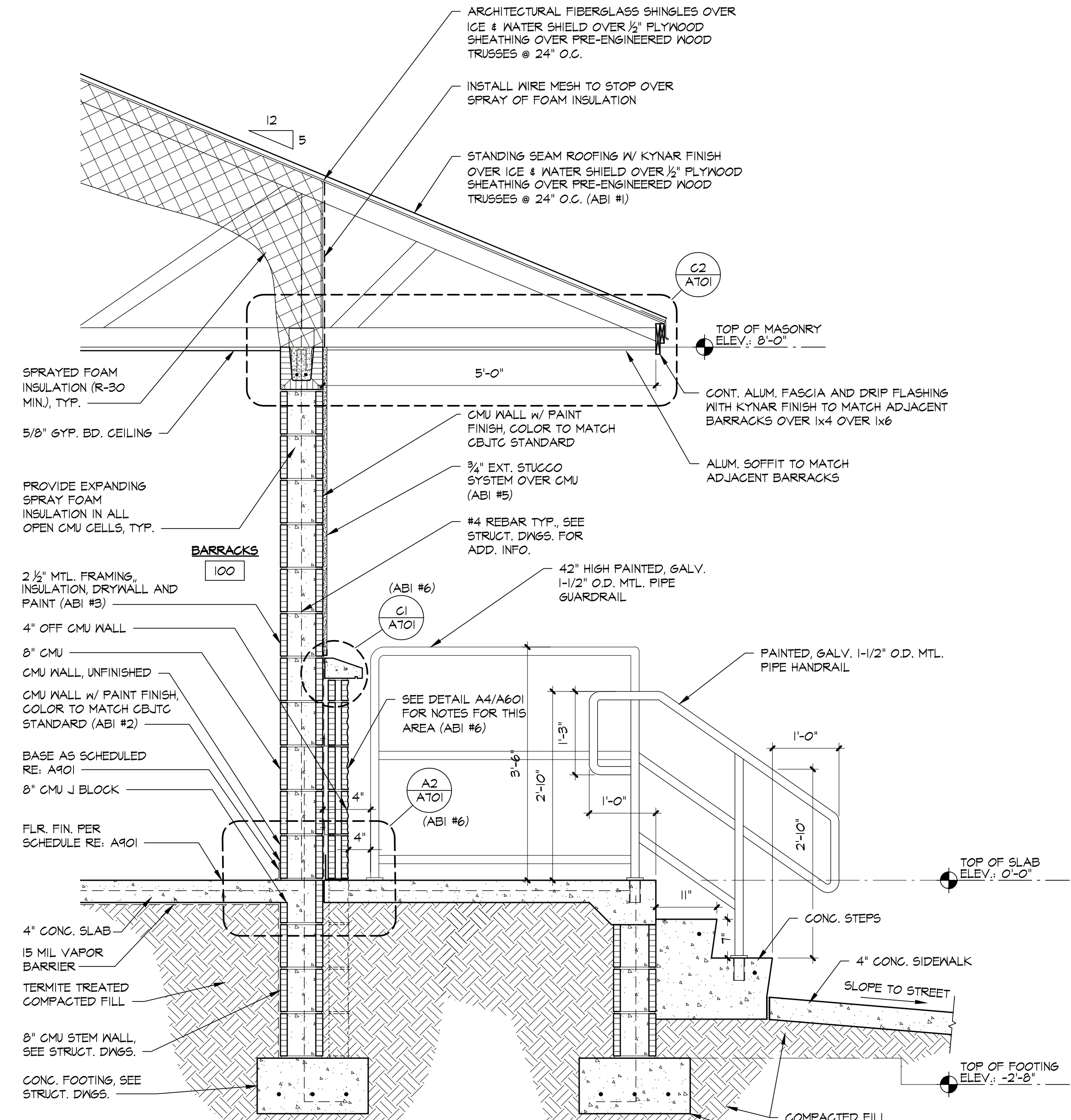
GENERAL NOTES	
1. ARROWS ON ROOF PLAN INDICATE SLOPE DIRECTION. PROVIDE PROPER SLOPE PER FOOT REQUIREMENTS THAT MEET ALL MANUF. WARRANTIES AND SPECIFICATIONS. NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO INSTALLATION.	4. CONTRACTOR RESPONSIBLE FOR GENERAL CLEANUP, REMOVAL OF DEBRIS AND PATCHING PRIOR TO COMPLETION OF WORK.
2. TYPICAL ROOF CONSTRUCTION: STANDING SEAM METAL ROOFING SYSTEM W/ KYNAR FINISH OVER ICE & WATER SHIELD, OVER 1/2" PLYWD SHEATHING - ATTACHMENTS TO STRUCTURE BELOW TO MEET ALL APPLICABLE CODES.	5. FOR ALL ROOF SYSTEMS: PROVIDE FLASHING, COUNTER-FLASHING, SEALANTS AS NEEDED TO MEET ALL MANUFACTURER'S WARRANTIES & SPECIFICATIONS.
3. CONTRACTOR RESPONSIBLE FOR ALL ROOF PENETRATIONS COORDINATION WITH ALL TRADES. NOTIFY ARCHITECT PRIOR TO INSTALLATION OF ANY DISCREPANCIES. PROVIDE FLASHING, COUNTERFLASHING, SEALANTS, BOOTS, ETC. FOR ALL ROOF PENETRATIONS TO MEET DESIGN INTENT, WARRANTIES, SPECS, AND CODES.	6. ALL PROJECTIONS ABOVE ROOF (VENTS, STACKS, RACKS, ETC.) SHALL BE PAINTED TO MATCH COLOR OF ROOF.
	7. SEE GENERAL NOTES SHEET FOR ADDITIONAL NOTES.



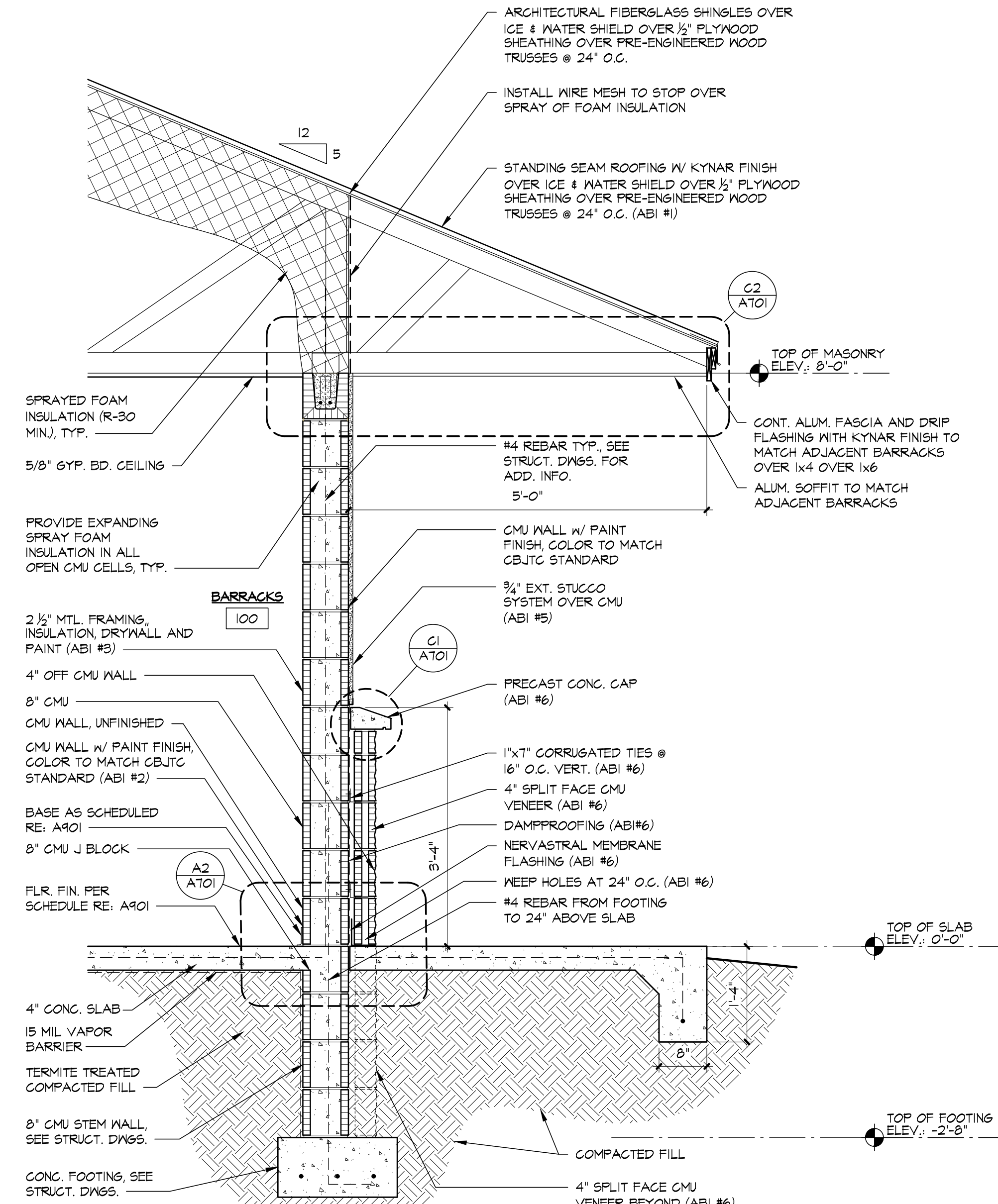
C3 BUILDING SECTION
SCALE: 1/4" = 1'-0"



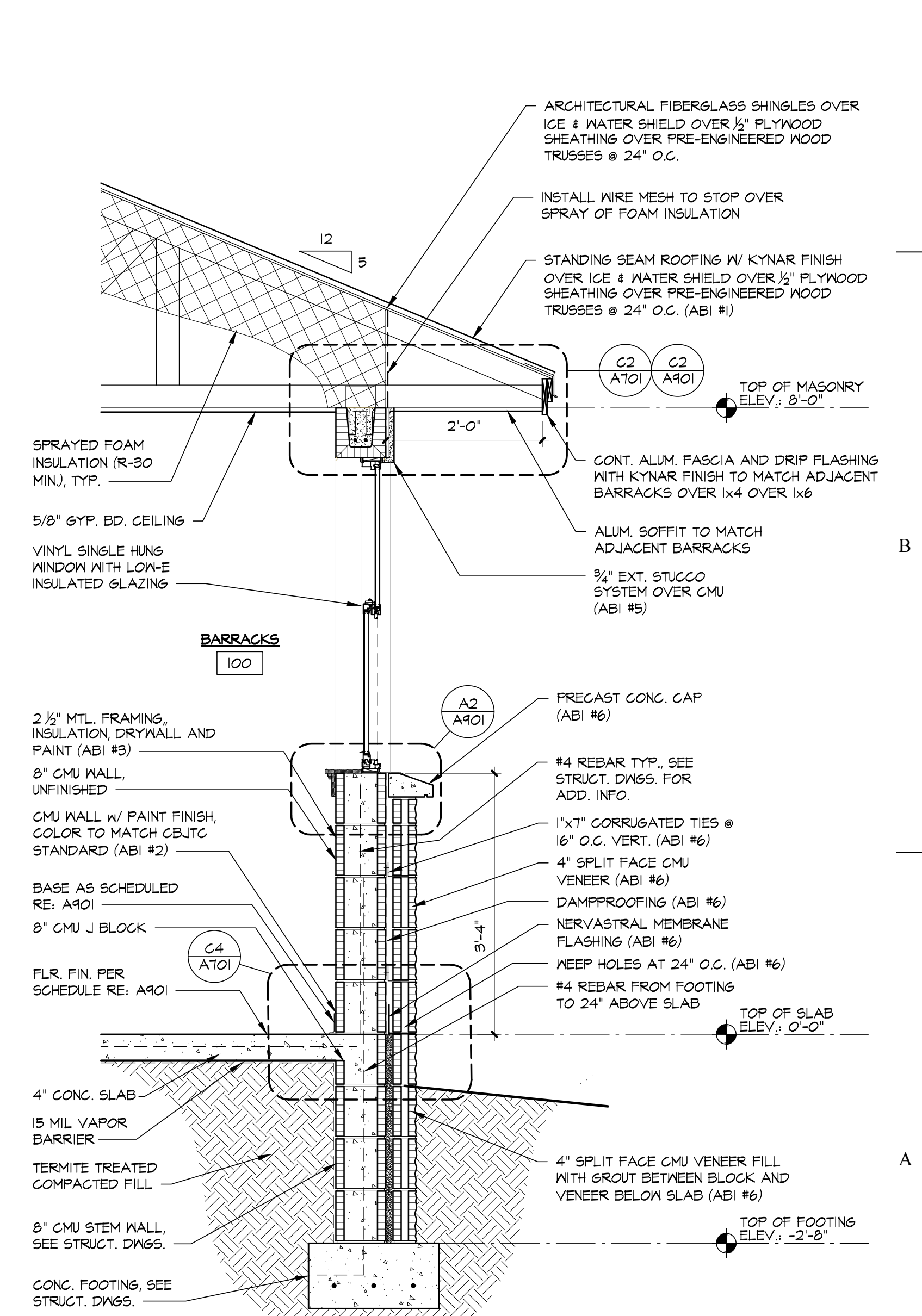
C4 BUILDING SECTION
SCALE: 1/4" = 1'-0"



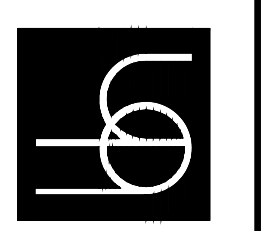
A1 WALL SECTION
SCALE: 3/4" = 1'-0"

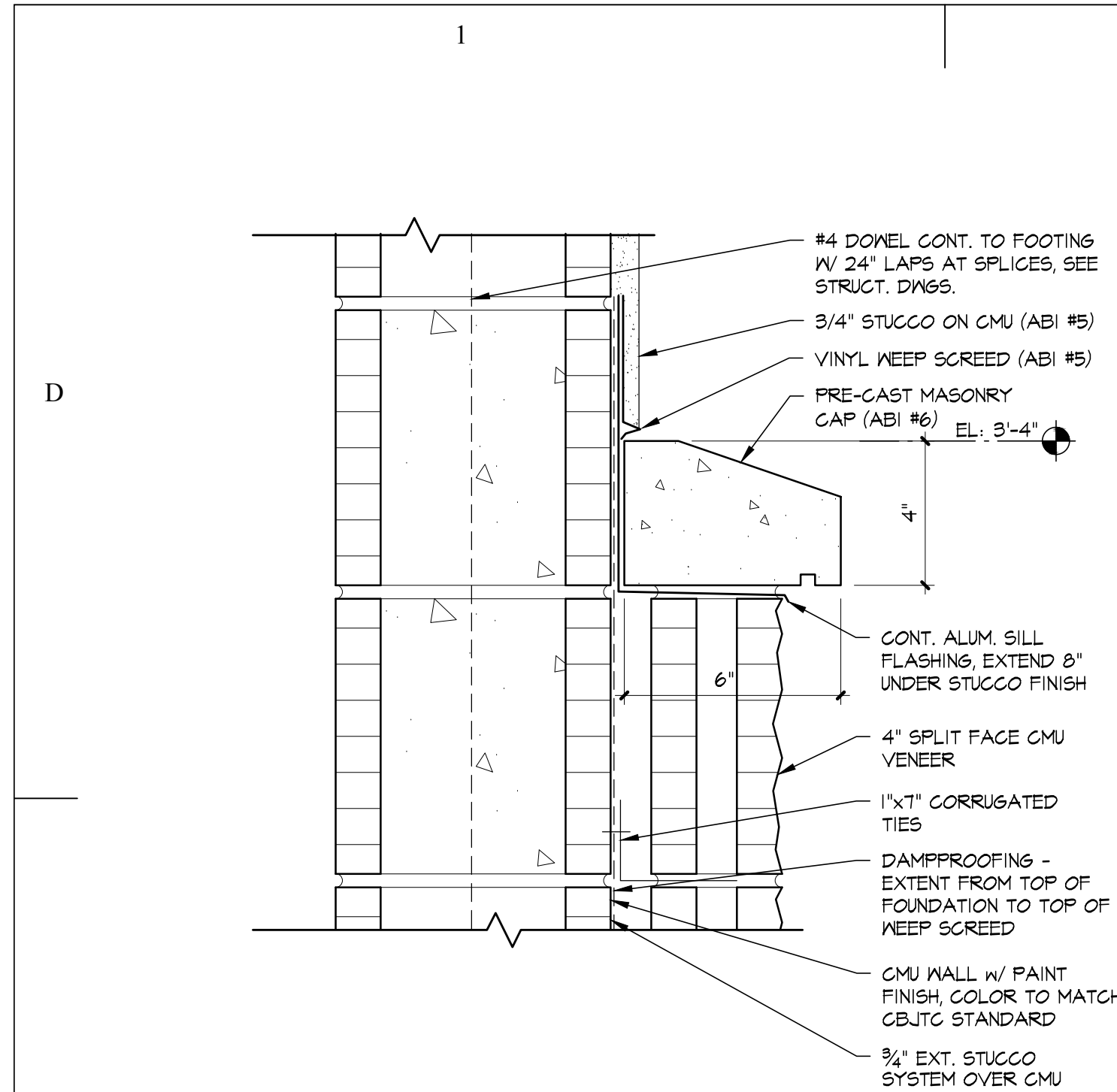


A3 WALL SECTION
SCALE: 3/4" = 1'-0"

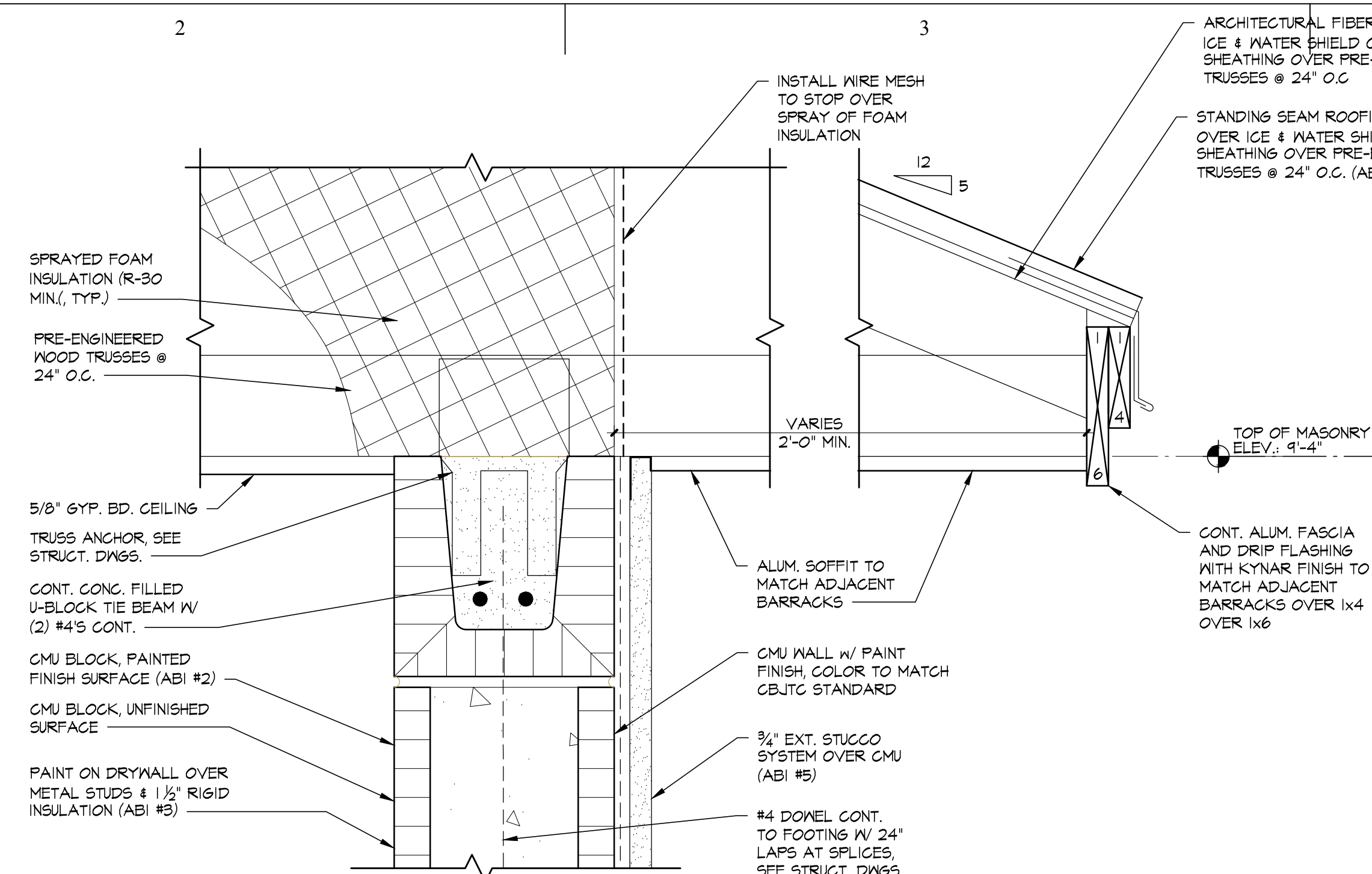


A4 WALL SECTION
SCALE: 3/4" = 1'-0"

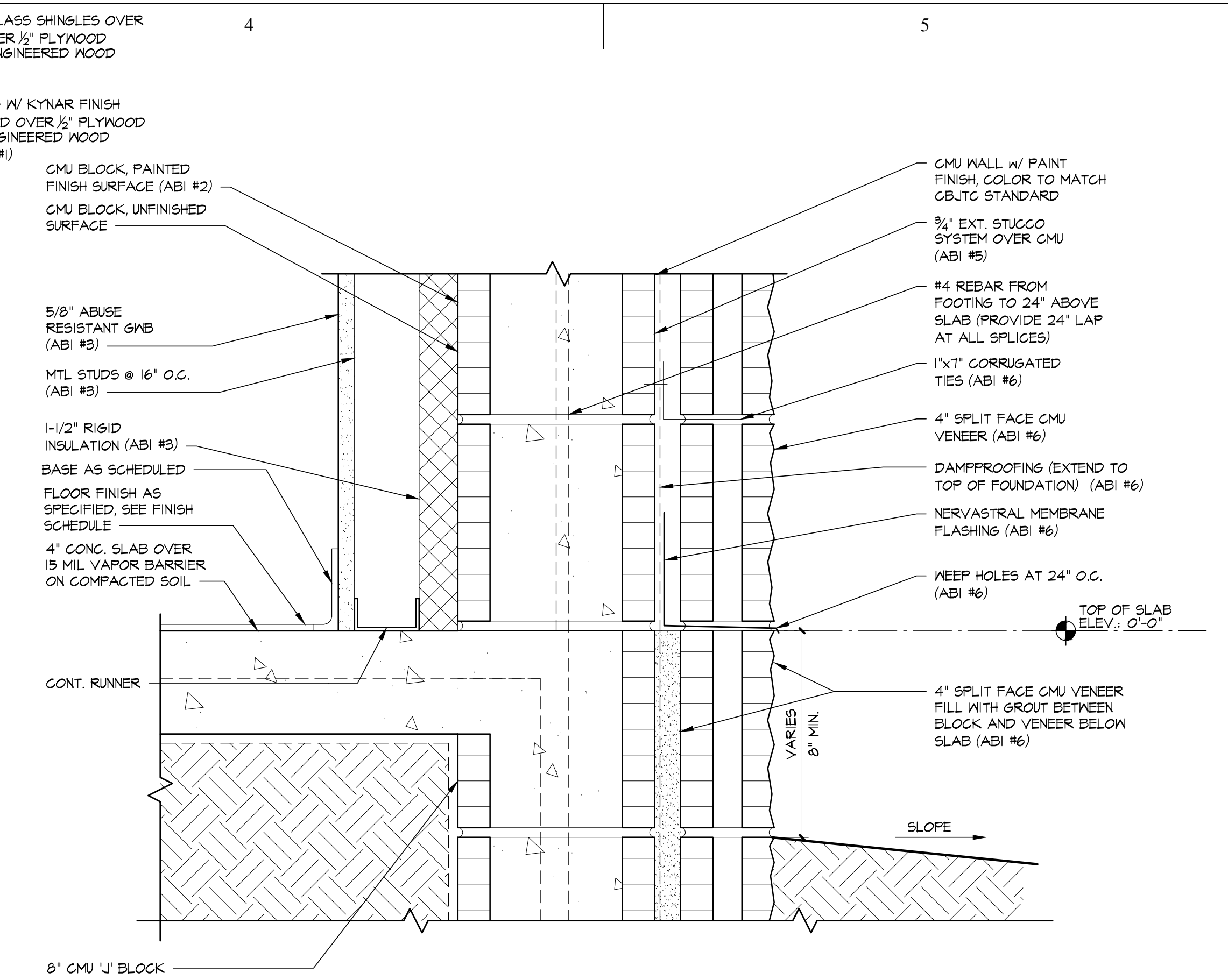




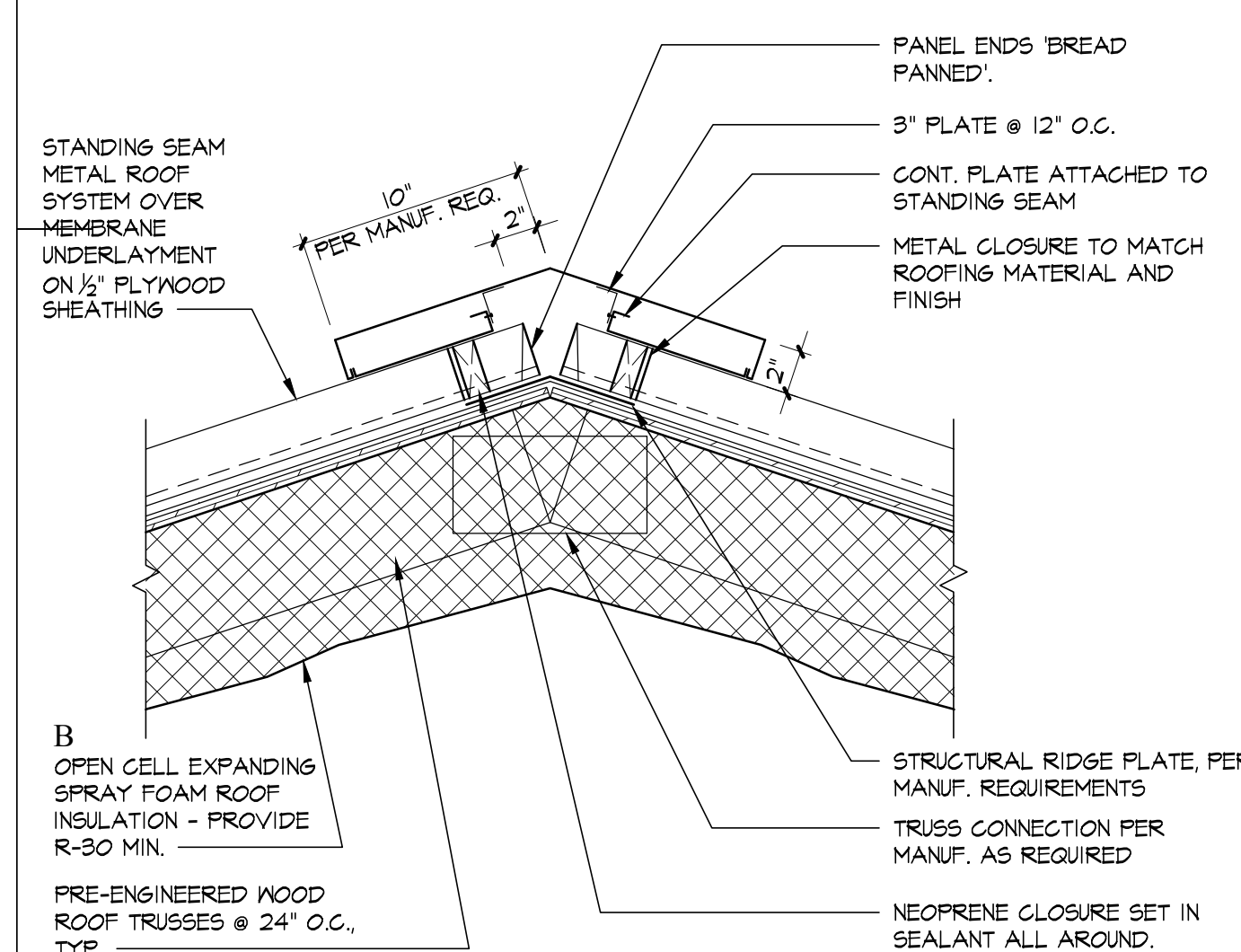
C1 WALL DETAIL
SCALE: 3/8" = 1'-0"



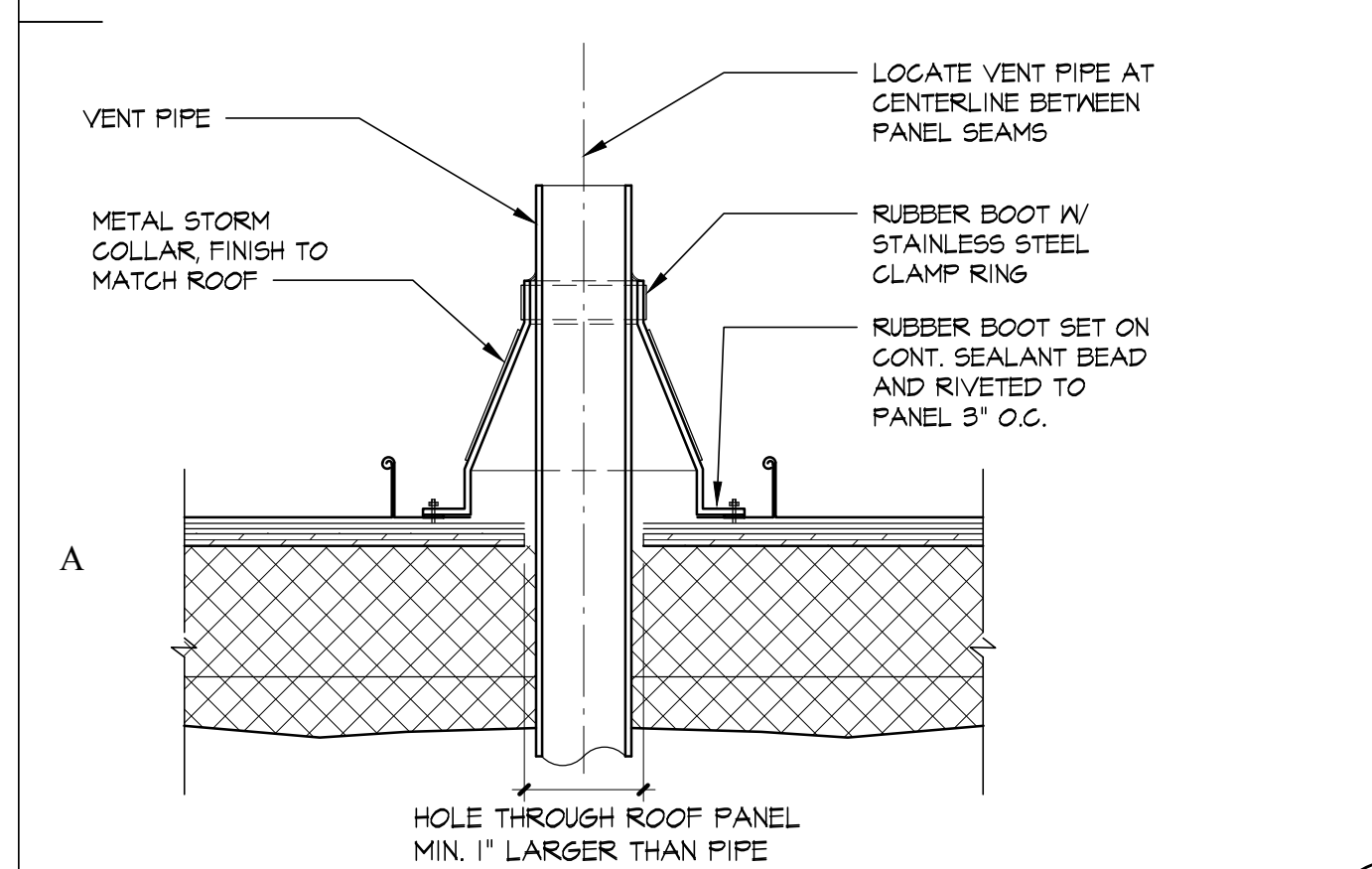
C2 WALL DETAIL
SCALE: 3/8" = 1'-0"



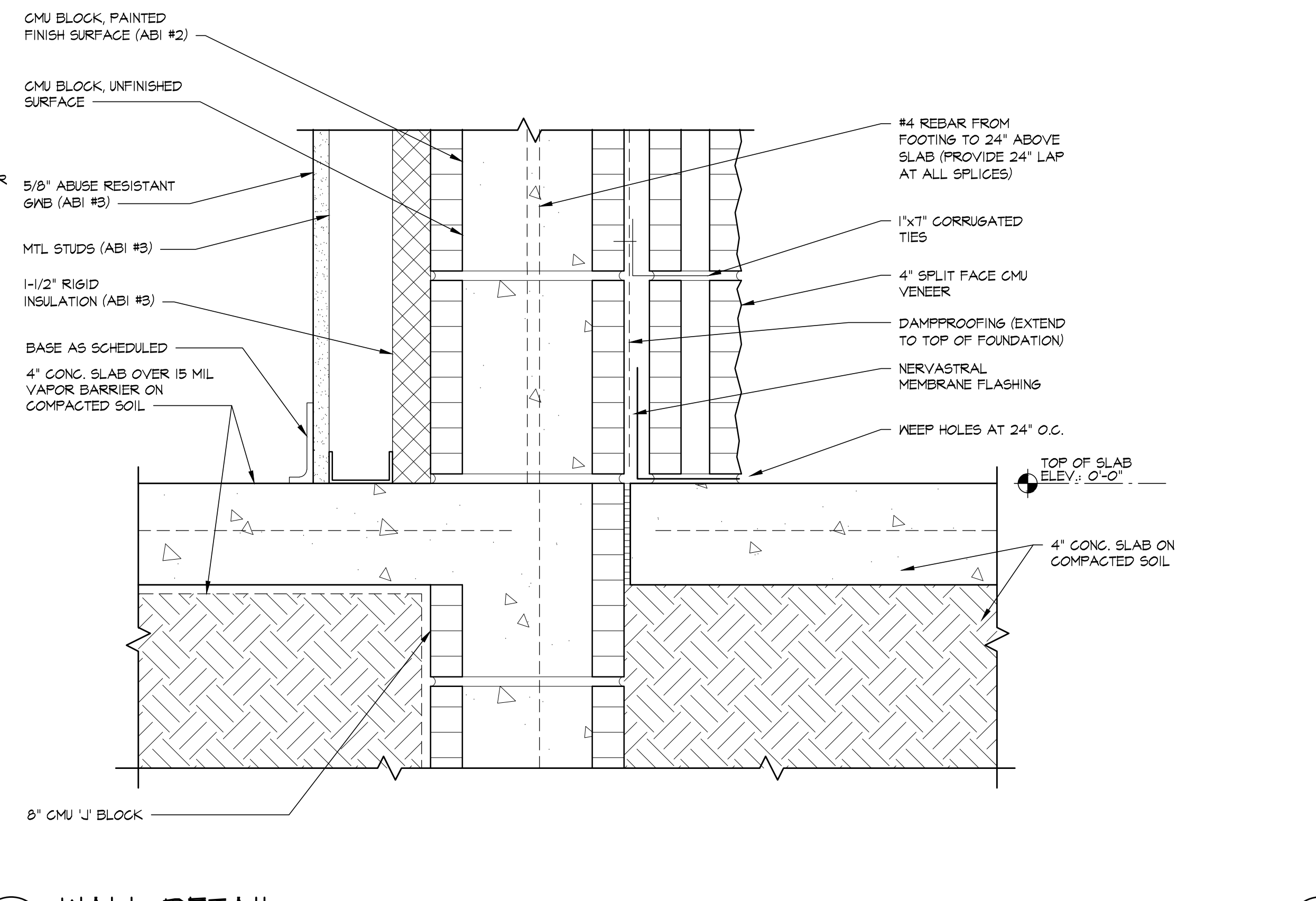
C4 WALL DETAIL
SCALE: 3/8" = 1'-0"



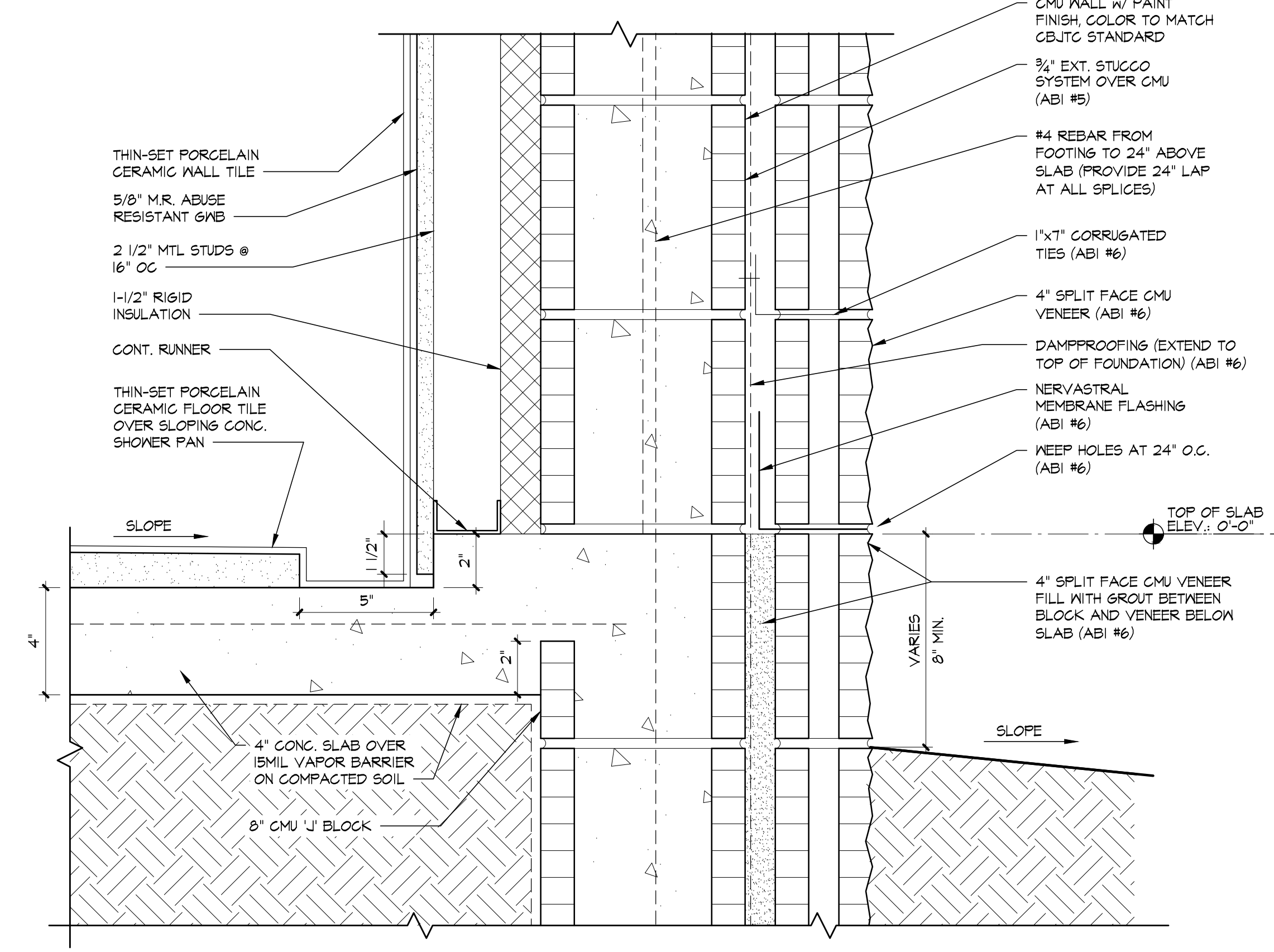
B1 MTL ROOFING RIDGE CAP DETAIL (ABI #1)
SCALE: 1/4" = 1'-0"



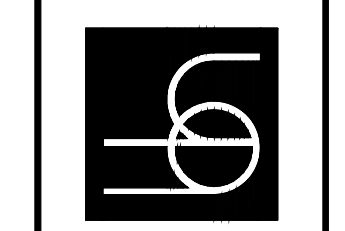
A1 VENT PIPE FLASHING DETAIL (ABI #1)
SCALE: 1/4" = 1'-0"



A2 WALL DETAIL
SCALE: 3/8" = 1'-0"



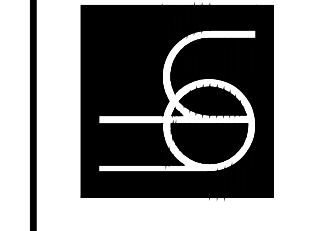
A4 WALL DETAIL
SCALE: 3/8" = 1'-0"



Architect	License No.
BHIDE & HALL	AR0091953

REVISIONS	DATE	DESCRIPTION

DETAILS	
DATE	4-17-2020
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JOB NO.	18038



1

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

2

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

3

3 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

4

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

5

5 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

6

6 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

7

7 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

8

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

9

9 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

10

10 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

KEY NOTE LEGEND

- 1 CMU BLOCK WALL, UNFINISHED
- 2 HIGH DENSITY PLASTIC PARTITION - FLOOR MOUNTED, OVERHEAD BRACED
- 3 12x12 WALL TILE AS SCHEDULED
- 4 PL. LAM. COUNTERTOP AND BACK SPLASH
- 5 CERAMIC TILE TERMINATION TRIM, FULL WALL HEIGHT (SCHULTER "JOLLY" OR EQUAL)
- 6 OPEN TO BEYOND
- 7 GYPSUM WALL BOARD, PAINT
- 8 12x12 WALL TILE AS SCHEDULED (ABI #4)
- 9 PAINT FINISH (ABI #2)

TOILET ACCESSORY LEGEND

ITEM	DESCRIPTION	MOUNT	MANUFACTURER	MODEL
1	TOILET PAPER DISPENSER	SURFACE	BOBRICK	B-6851
2	ELECTRIC HAND DRYER	SURFACE	SEE SPECIFICATIONS	---
3	NOT USED			
4	ROBE / TOWEL HOOK	SURFACE	BOBRICK	B-16117
5	SHOWER SHELF	SURFACE	BOBRICK	B-245x12
6	WALL MIRROR	SURFACE	SEE GLAZING SPEC.	---
7	MOP RACK	SURFACE	BOBRICK	B-234

TYP. SECTION @ COUNTER

SCALE: 1" = 1'-0"

ENLARGED LATRINE PLAN

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

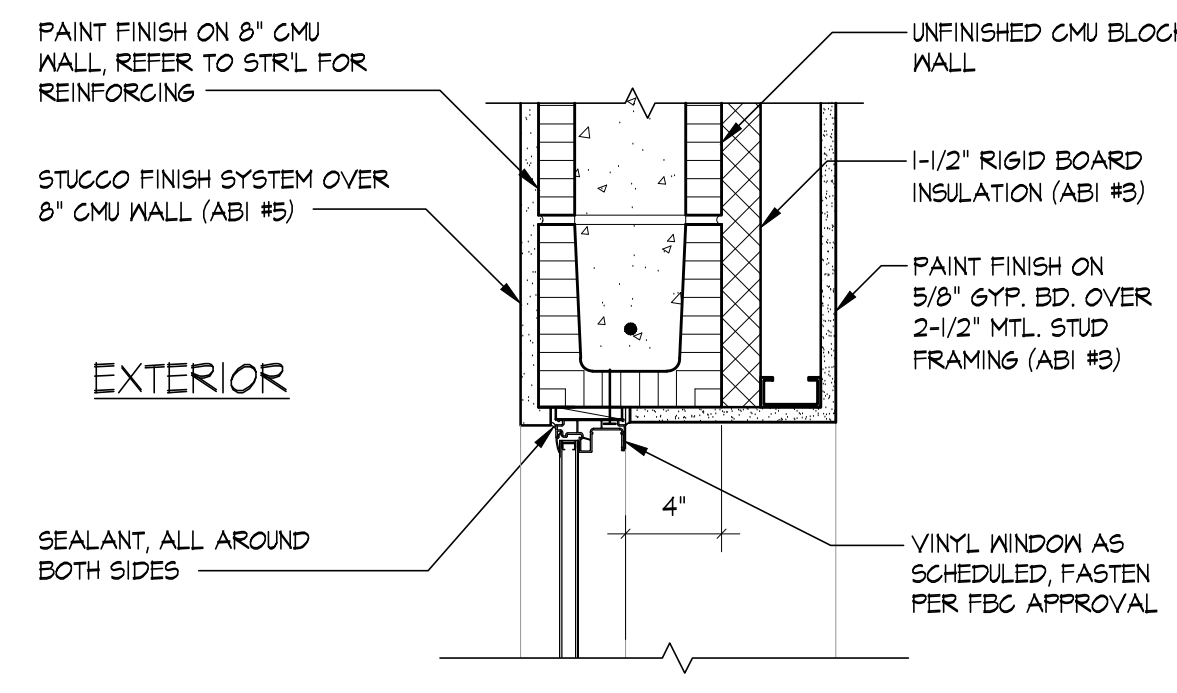
NO.	ROOM NAME	FLOOR			BASE			WALL							CEILING			NOTES:					
		1	2	3	4	5	8	9	10	11	12	13	14	15	16	17	18		19	20	21	22	23
			PORCELAIN TILE	SEALED CONCRETE			RUBBER BASE (ABI #3)	CERAMIC TILE	NONE		RAW CONCRETE BLOCK FINISH (BASE BID)	PAINT ON CMU BLOCK WALL (ABI #2)	PAINT ON GYPSUM WALL (ABI #3)	CERAMIC TILE TO 5'-0" @ SHOWERS	CERAMIC TILE TO 6'-0" @ WET WALLS (ABI #4)	EPOXY PAINT ON GYP. BOARD (BASE BID)	EPOXY PAINT ON CMU BLOCK WALL (ABI #2)	PAINT ON GYP BOARD		EXPOSED CEILING		CEILING HEIGHT UNLESS NOTED OTHERWISE	
																							REMARKS
100	BARRACKS																						
101	CLOSET #1																						
102	CLOSET #2																						
103	LATRINE																						CERAMIC TILE TO FULL CEILING HEIGHT IN SHOWERS
104	JANITOR																						
105	MECHANICAL																						

DOOR SCHEDULE LEGEND

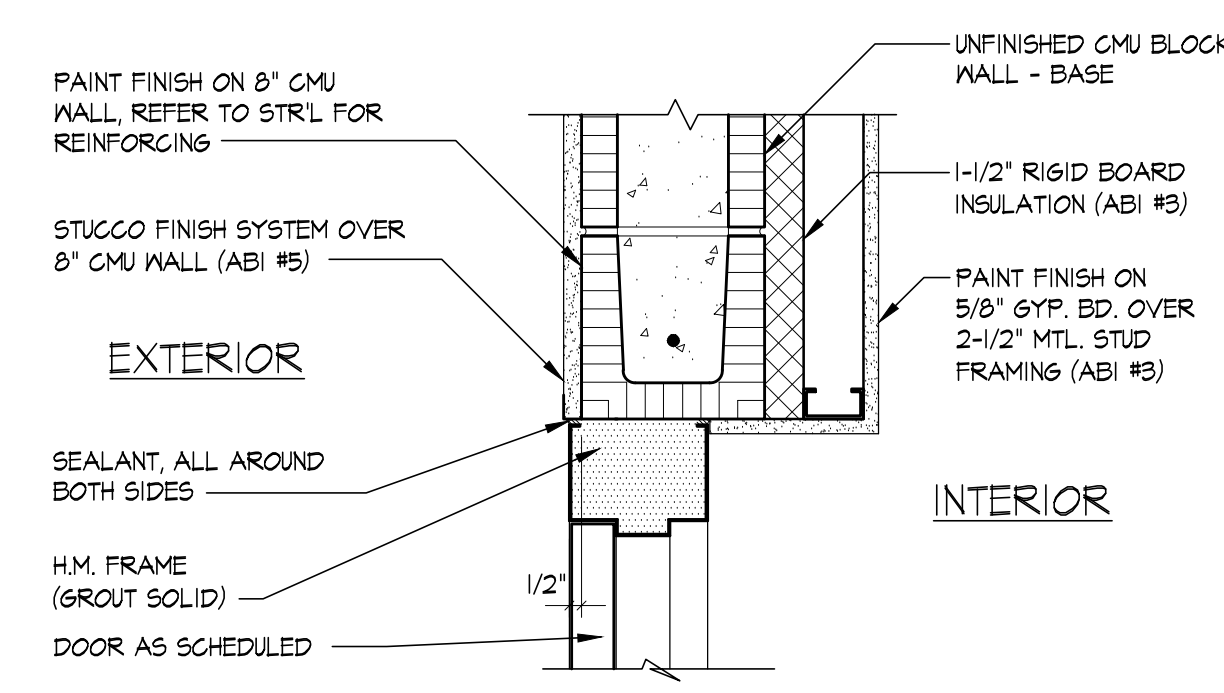
WD	WOOD
SCWD	SOLID CORE WOOD
HM	HOLLOW METAL
P	PAINT
M	METAL
AL	ALUMINUM
S	STAIN
F	FACTORY

DOOR SCHEDULE

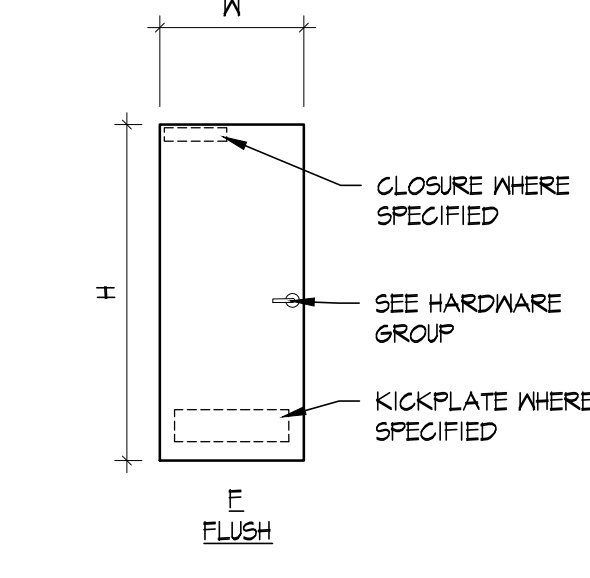
MARK	DOOR			FRAME			DETAILS			HARDWARE SET	UNDERCUT	GLAZING	RATING	ROOM NAME	REMARKS			
	DOOR OPENING SIZE			TYPE	MAT'L	FINISH	TYPE	MAT'L	FINISH							HEAD	JAMB	THOLD
	W	H	THK															
100	3'-0"	7'-0"	1-3/4"	F	HM	P	HM-1	HM	P	C3/A901	B3/A901	A4/A901	HX-1		BARRACKS	DTL A3/A901 FOR ABOVE PRE-CAST MASONRY CAP.		
100A	3'-0"	7'-0"	1-3/4"	F	HM	P	HM-1	HM	P	C3/A901	B3/A901	A4/A901	HX-1		BARRACKS	DTL A3/A901 FOR ABOVE PRE-CAST MASONRY CAP.		
101	3'-0"	7'-0"	1-3/4"	F	HM	S	HM-1	HM	P	B1/A901	A1/A901	---	HX-3		CLOSET #1			
102	3'-0"	7'-0"	1-3/4"	F	HM	S	HM-1	HM	P	B1/A901	A1/A901	---	HX-3		CLOSET #2			
103	3'-0"	7'-0"	1-3/4"	F	HM	S	HM-1	HM	P	B1/A901	A1/A901	B4/A901	HX-7	1"	LATRINE			
104	3'-0"	7'-0"	1-3/4"	F	HM	S	HM-2	HM	P	A5/A901	A5/A901	---	HX-3		JANITOR			
105	3'-0"	7'-0"	1-3/4"	F	HM	P	HM-1	HM	P	C3/A901	B3/A901	A4/A901	HX-1		MECHANICAL	DTL A3/A901 FOR ABOVE PRE-CAST MASONRY CAP.		



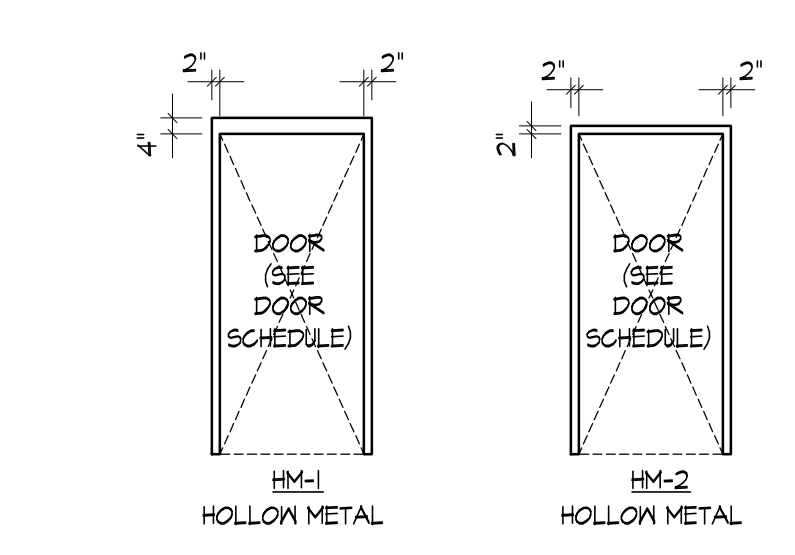
C2 HEAD DETAIL @ SINGLE HUNG WINDOW
SCALE: 1/2" = 1'-0"



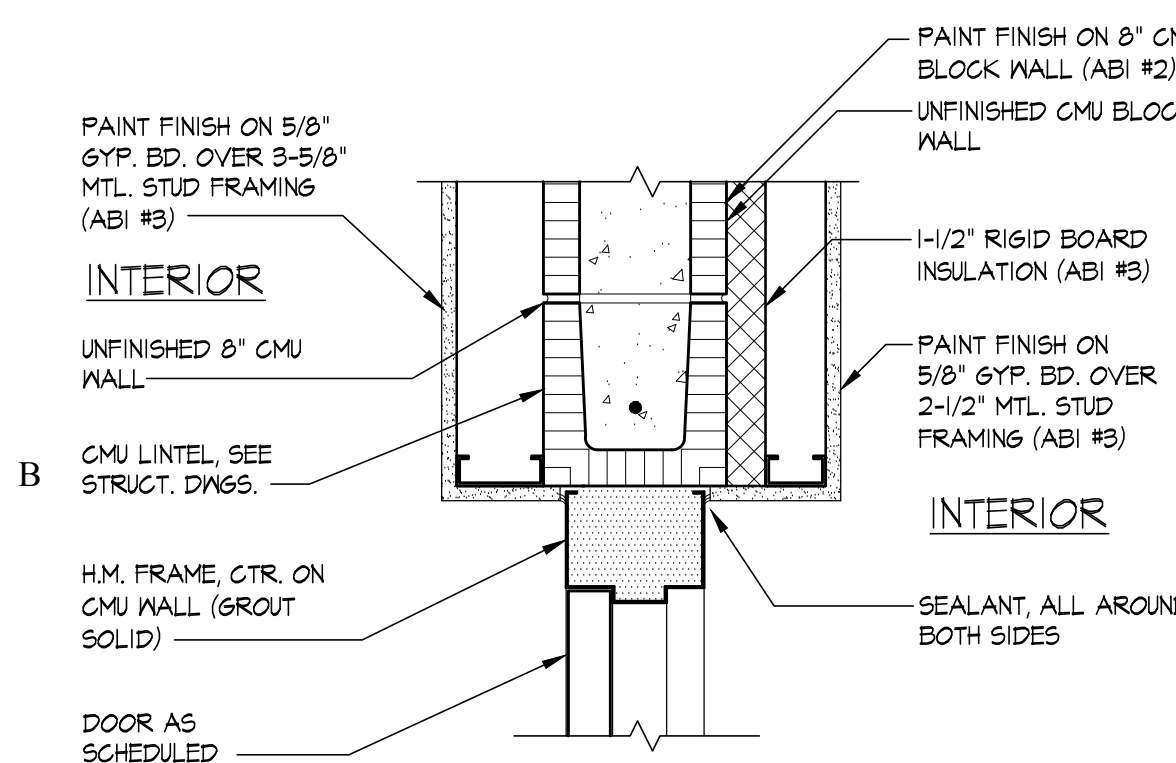
C3 HEAD DETAIL @ SINGLE HUNG WINDOW
SCALE: 1/2" = 1'-0"



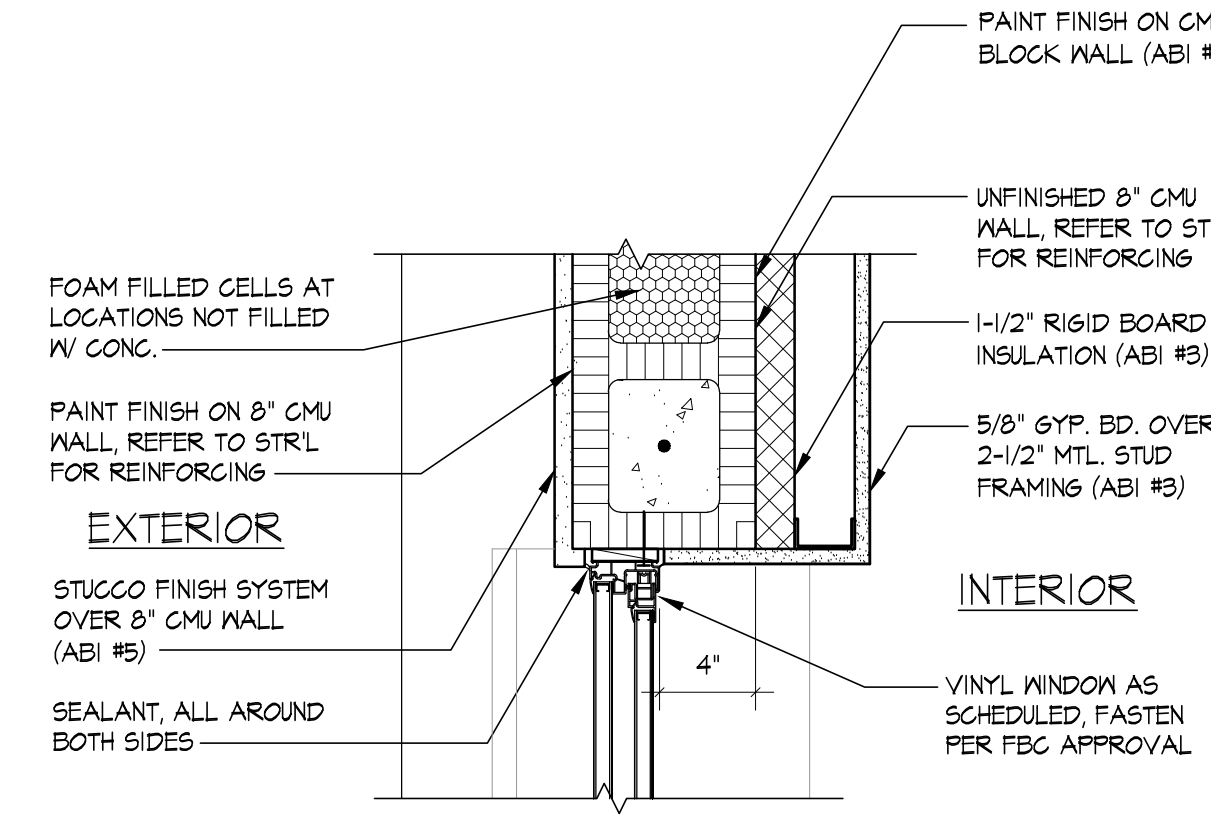
DOOR TYPES
SCALE: 1/4" = 1'-0"



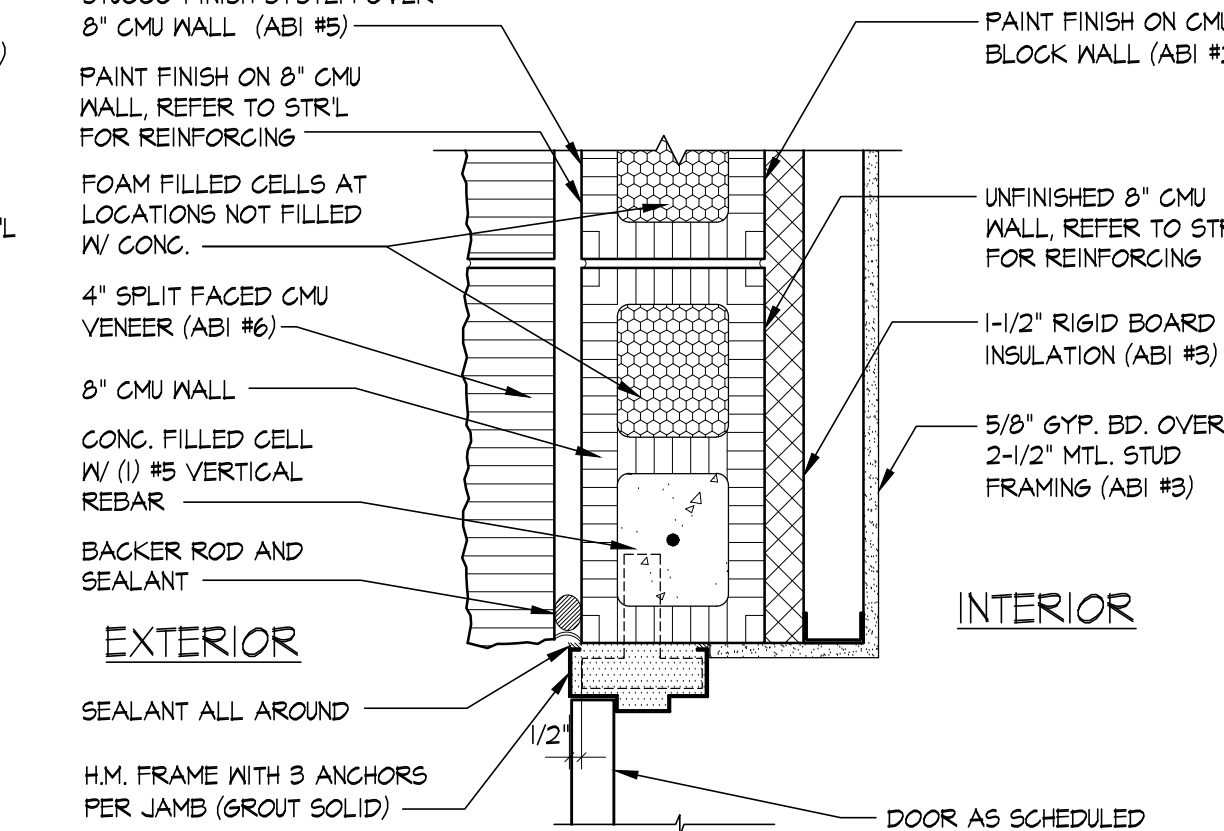
FRAME TYPES
SCALE: 1/4" = 1'-0"



B1 HEAD DETAIL @ SINGLE HUNG WINDOW
SCALE: 1/2" = 1'-0"



B2 HEAD DETAIL @ SINGLE HUNG WINDOW
SCALE: 1/2" = 1'-0"

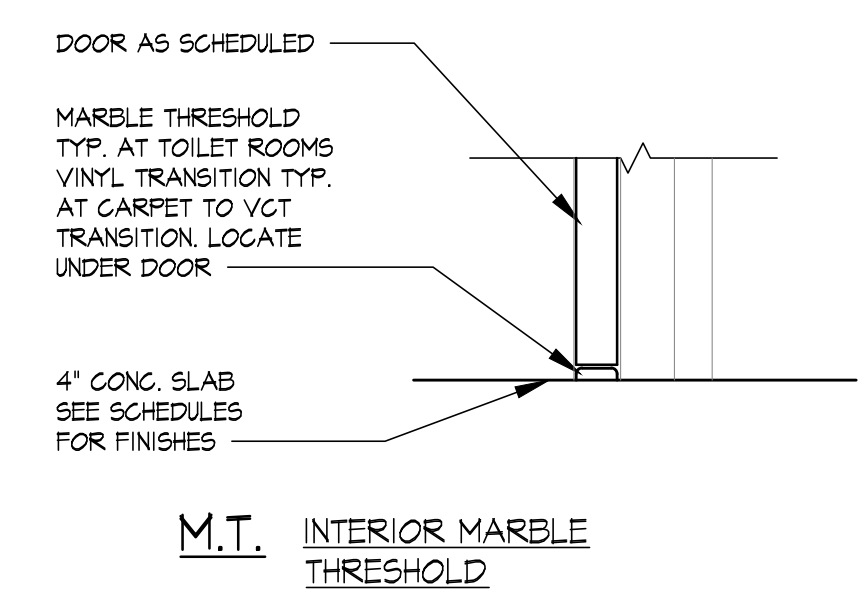


B3 HEAD DETAIL @ SINGLE HUNG WINDOW
SCALE: 1/2" = 1'-0"

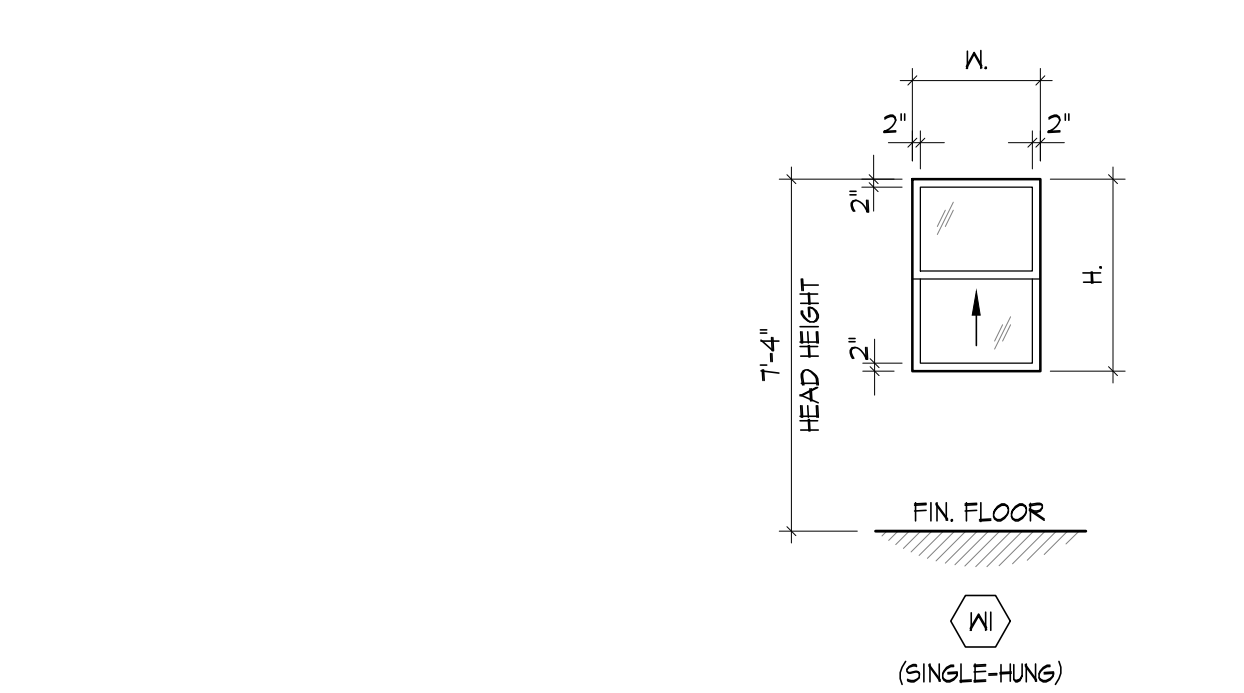
WINDOW SCHEDULE

V W X Y	NOM. ROUGH OPENING SIZE			DETAIL			GLAZING	REMARKS
	W	H	MAT'L	H	J	S		
W1	2'-8"	4'	VINYL	C2/A901	B2/A901	A2/A901	A	SINGLE-HUNG

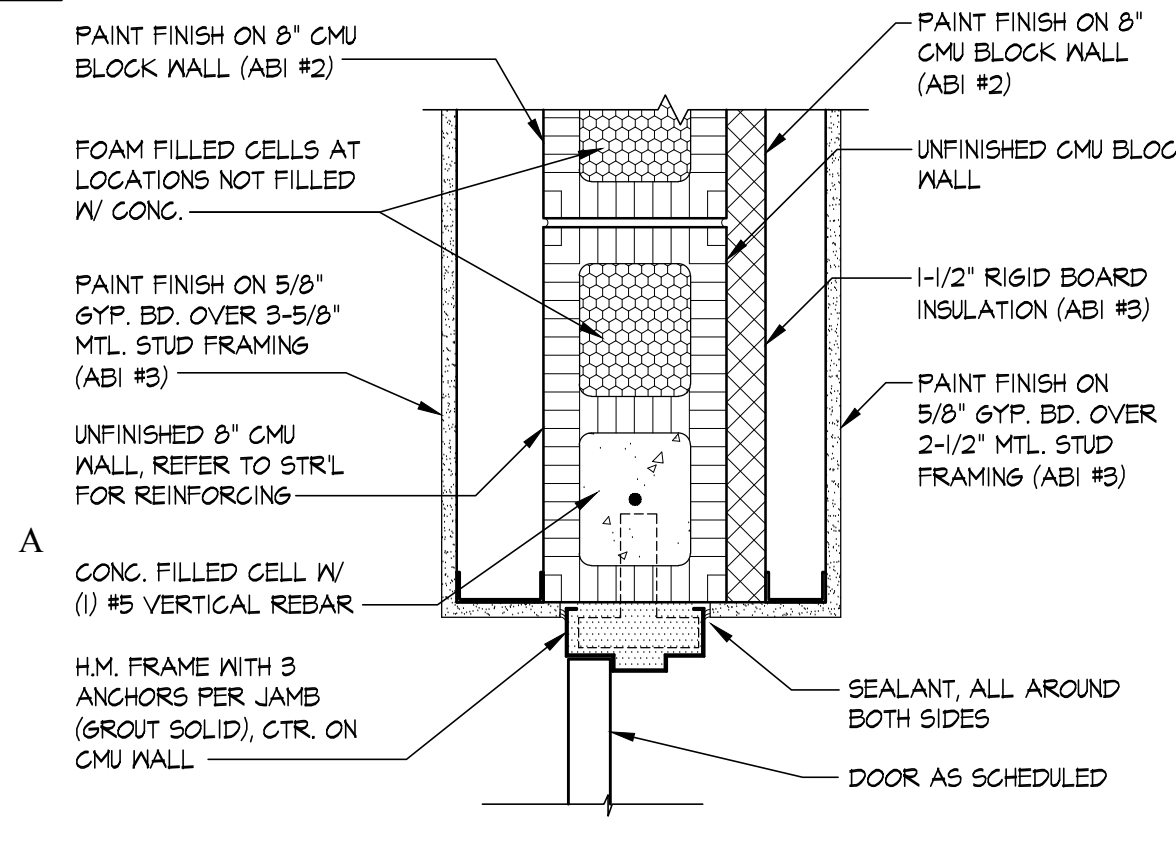
GLAZING:
A - EXT. INSULATED LOW-E TINTED GLAZING



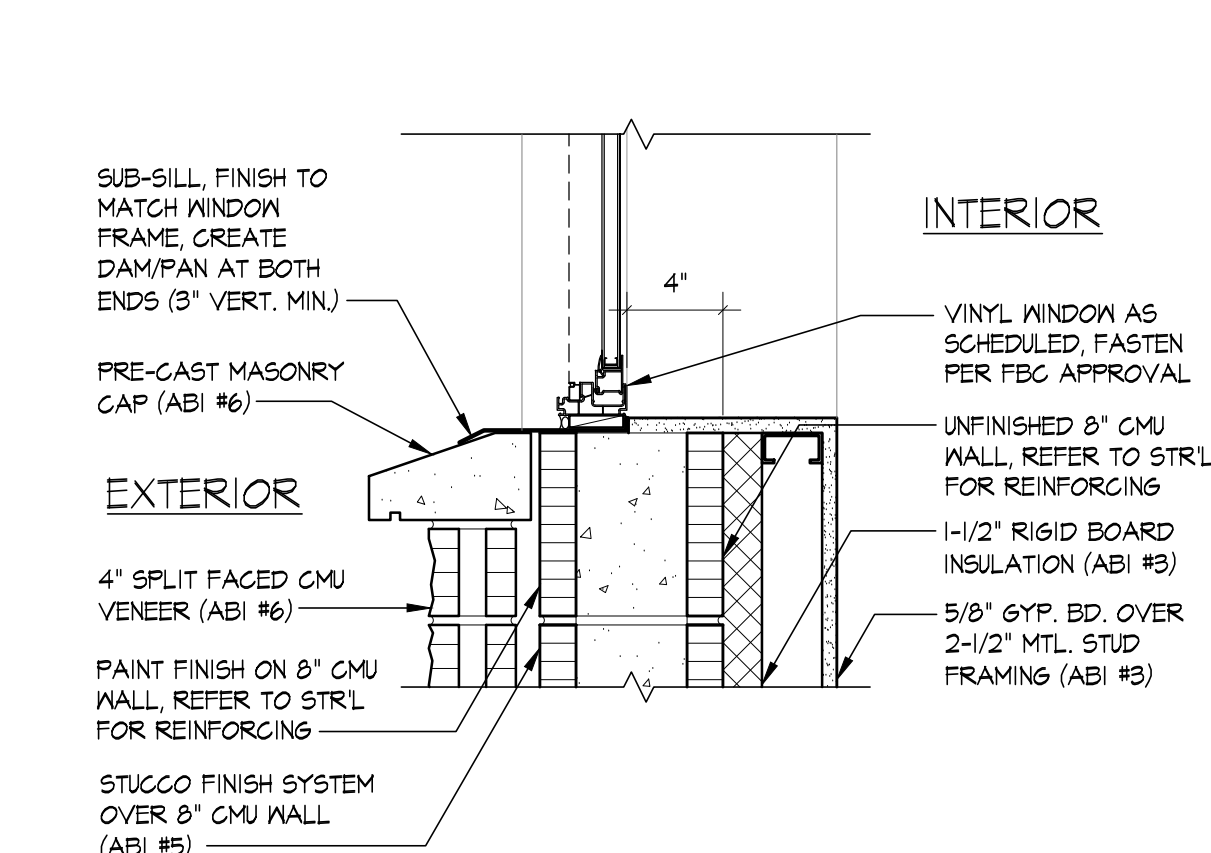
B4 THRESHOLD DETAIL
SCALE: N.T.S.



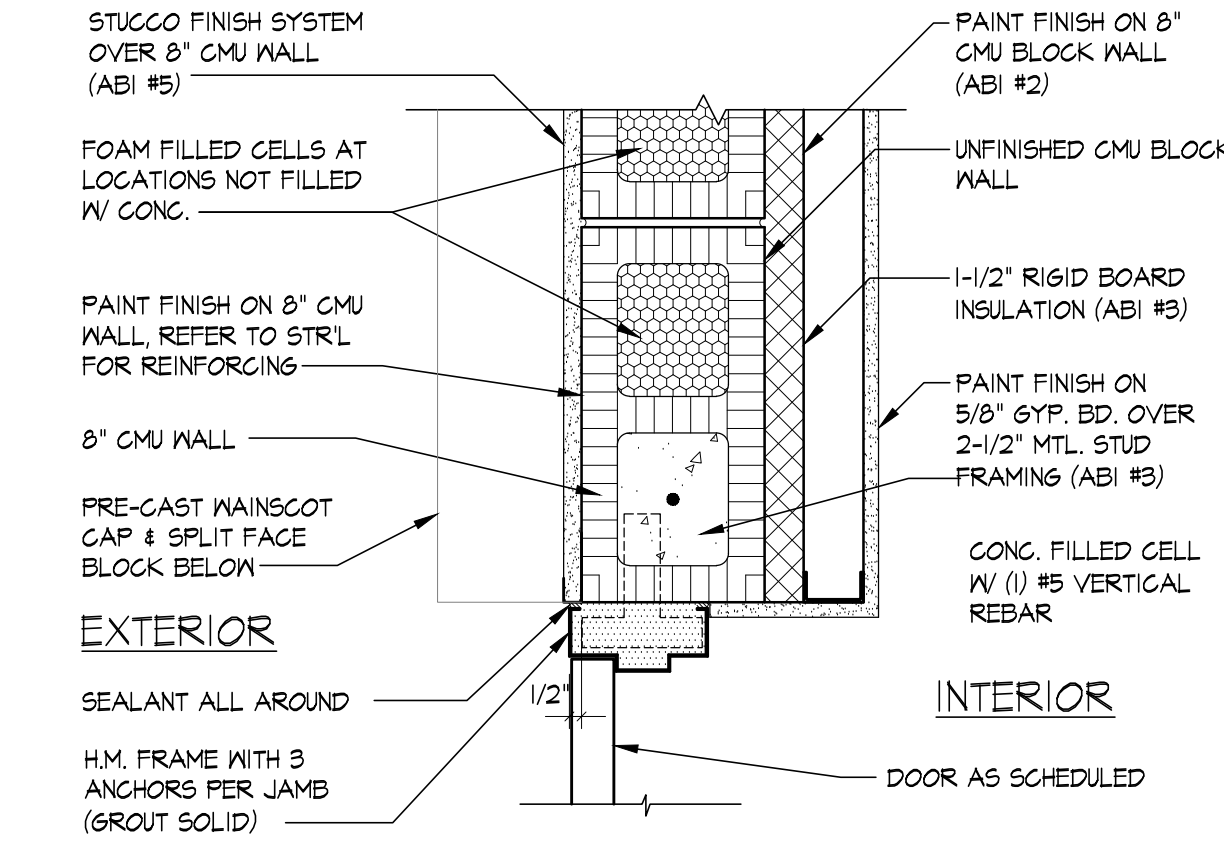
WINDOW TYPES
SCALE: 1/4" = 1'-0"



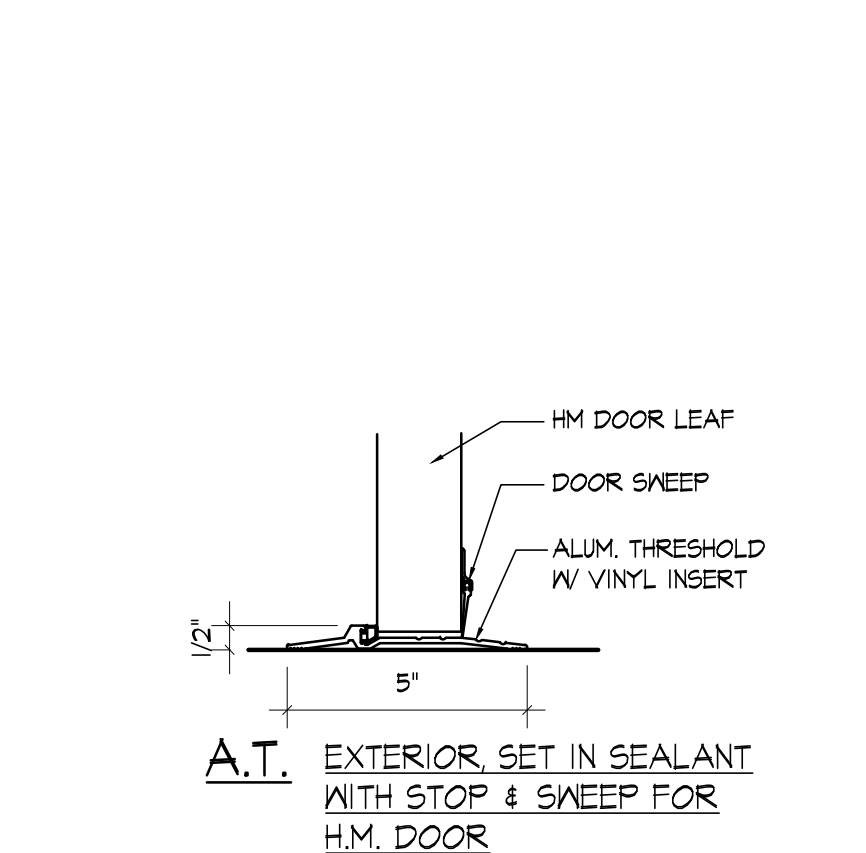
A1 JAMB DETAIL @ SINGLE HUNG WINDOW
SCALE: 1/2" = 1'-0"



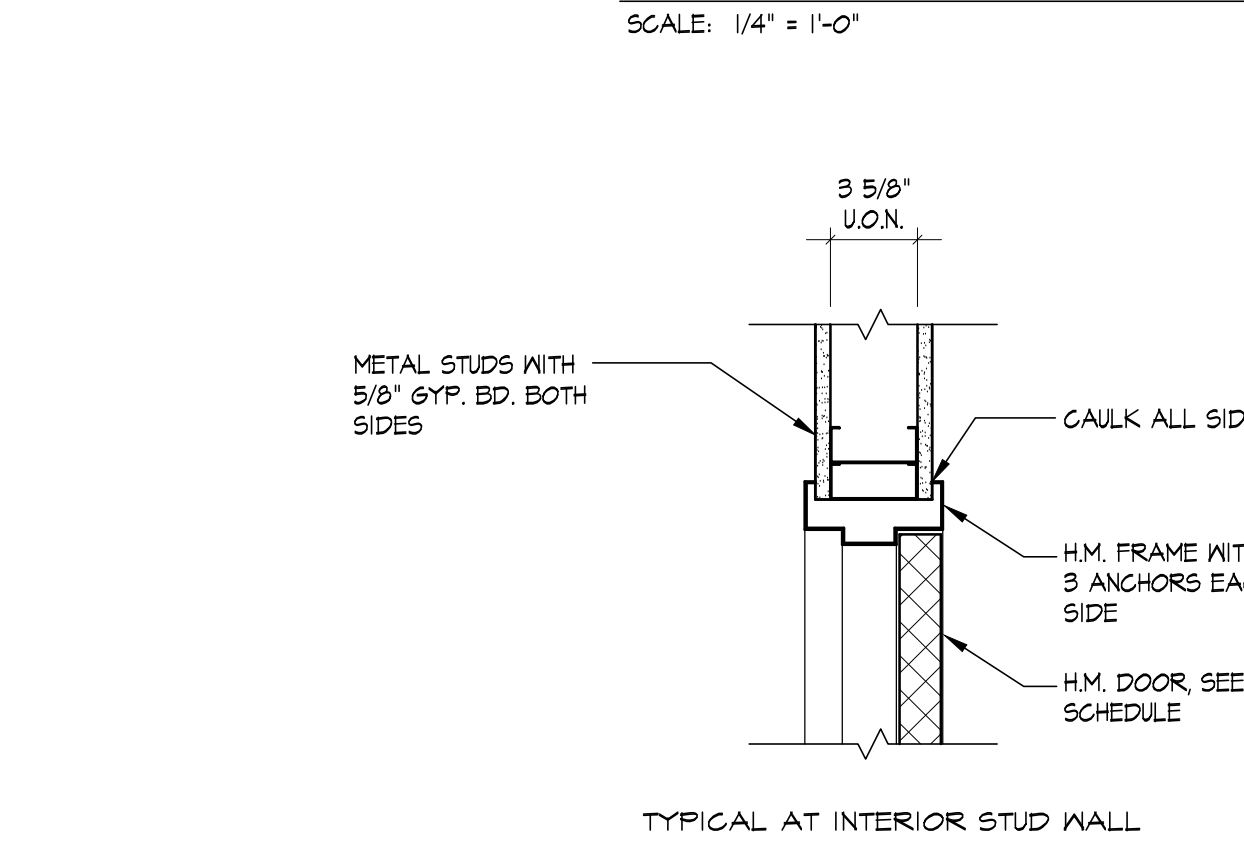
A2 JAMB DETAIL @ SINGLE HUNG WINDOW
SCALE: 1/2" = 1'-0"



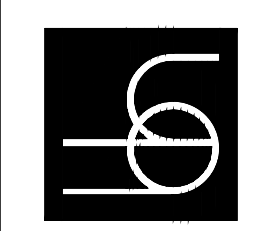
A3 JAMB DETAIL @ SINGLE HUNG WINDOW
SCALE: 1/2" = 1'-0"

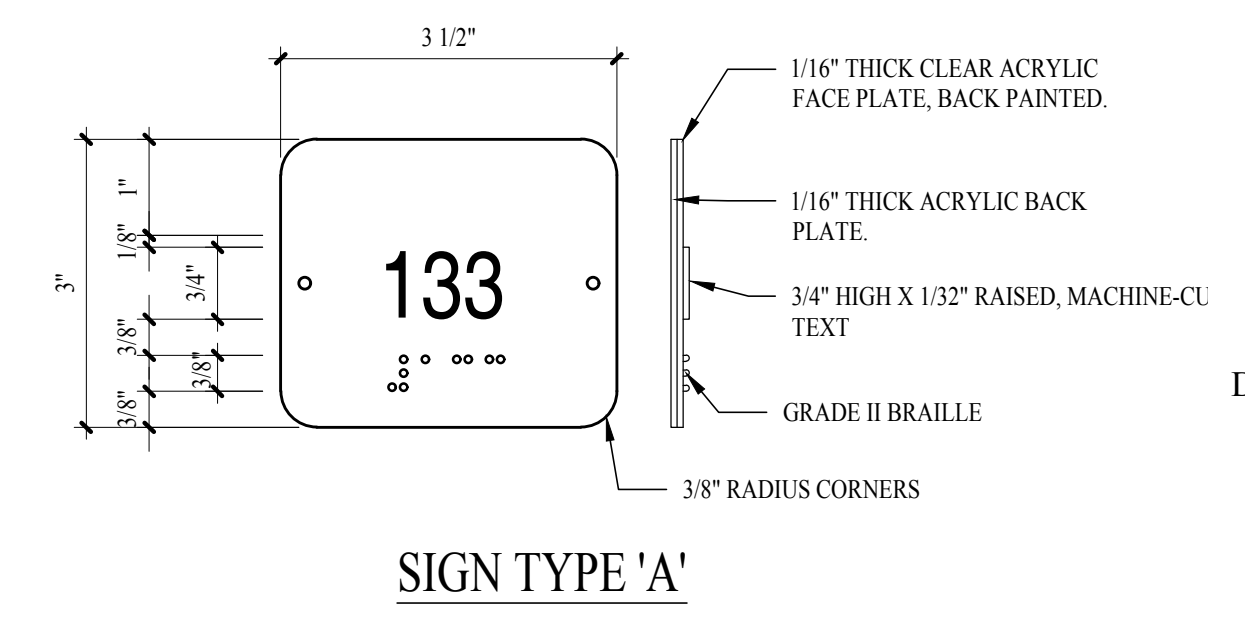
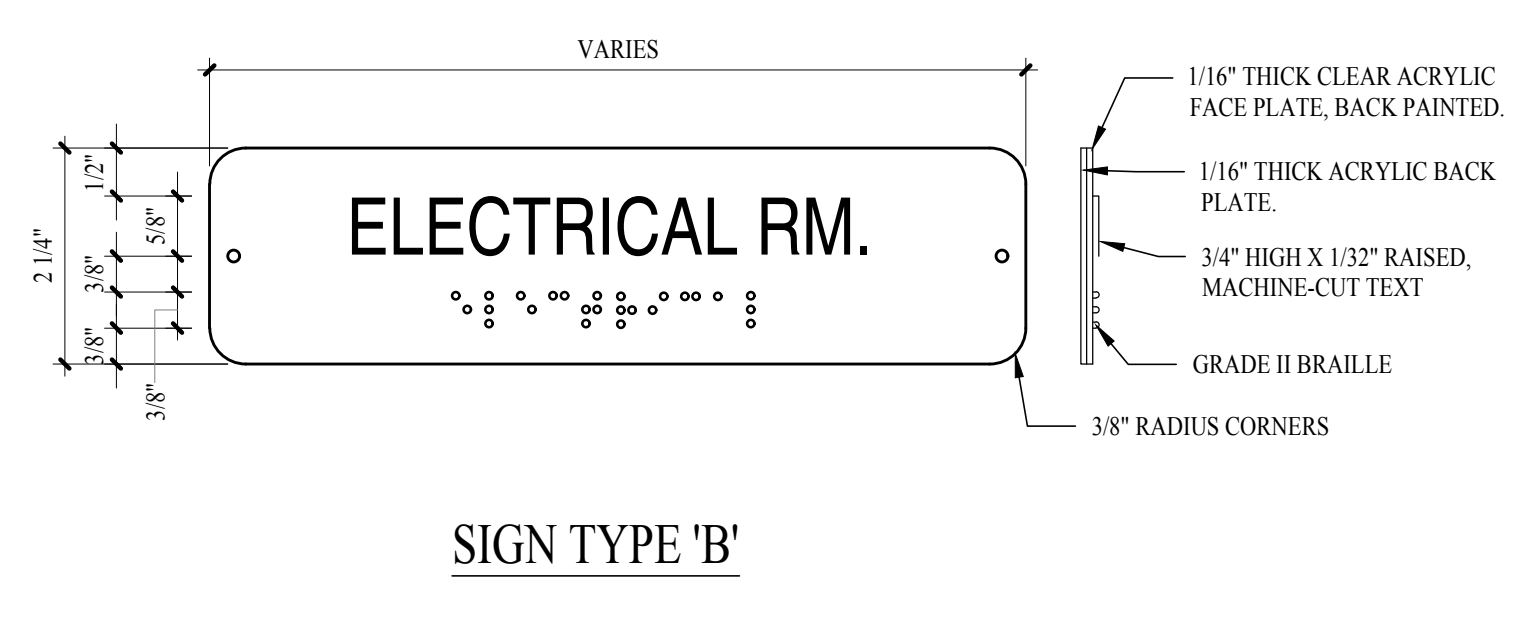
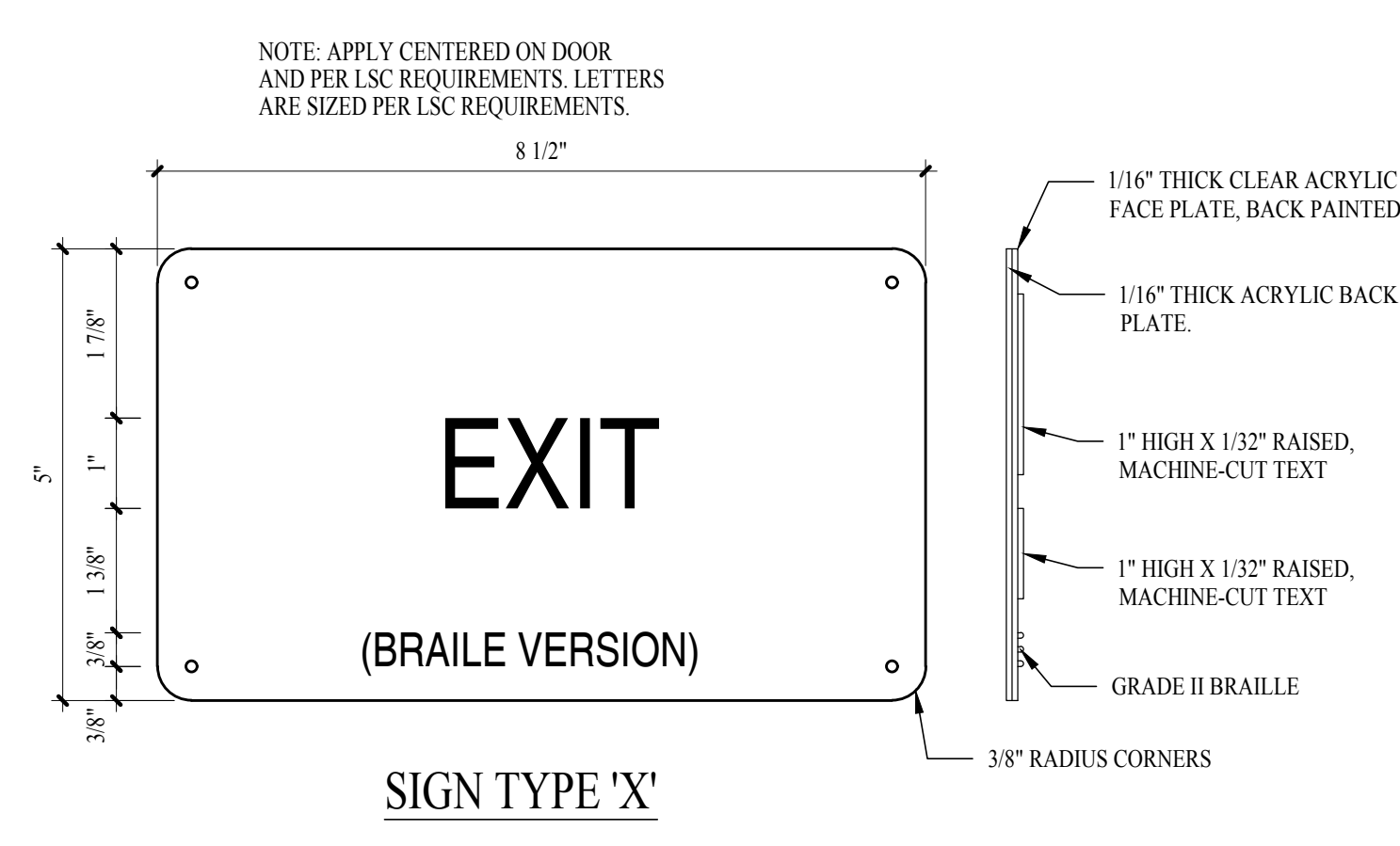
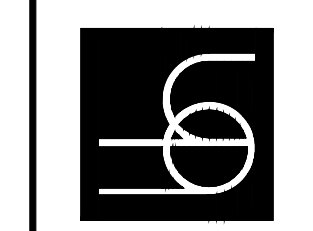


A4 THRESHOLD DETAIL
SCALE: N.T.S.



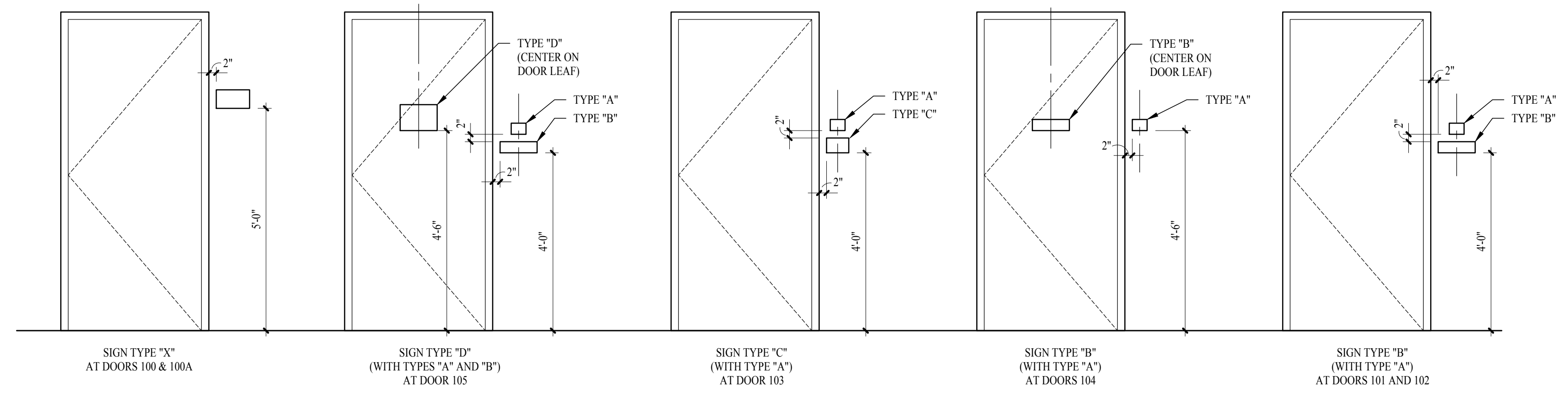
A5 THRESHOLD DETAIL
SCALE: 1/2" = 1'-0"





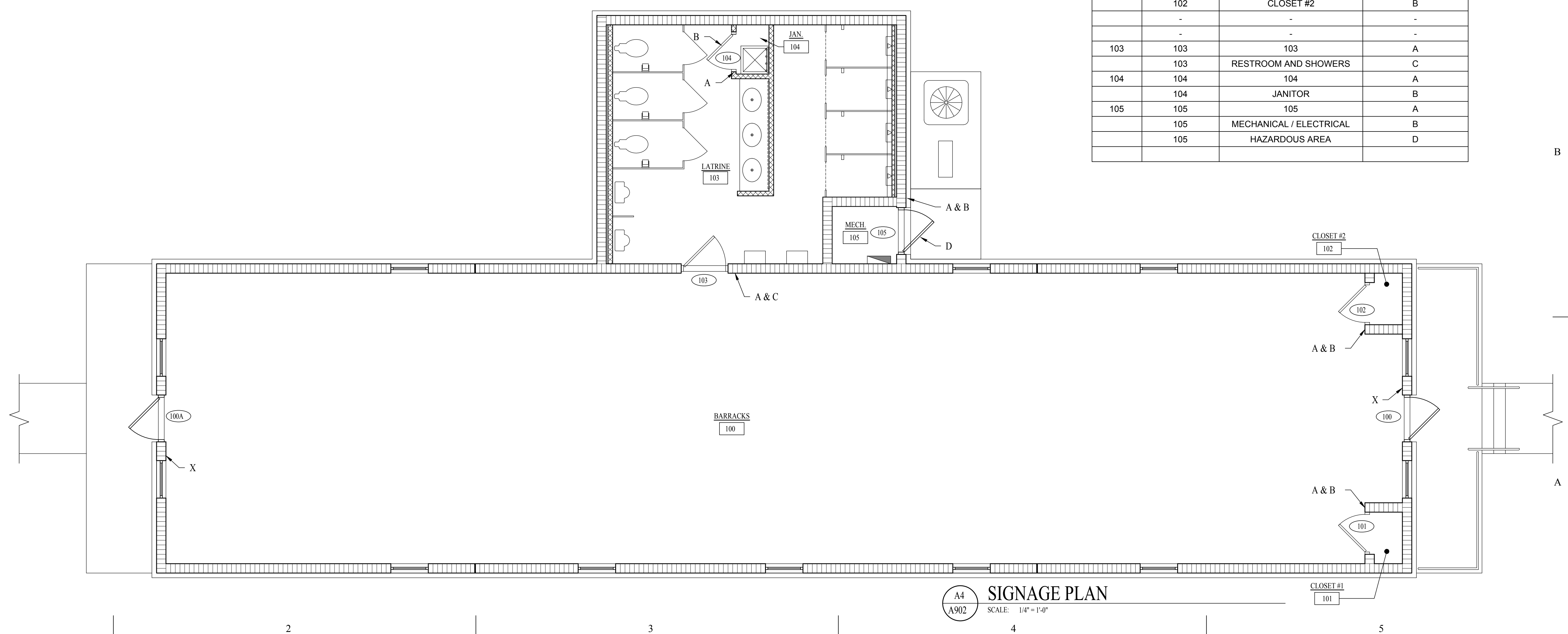
GENERAL SIGNAGE NOTES:
 1. SIGNS SHALL BE MECHANICALLY FASTENED TO WALLS. REFER TO SPECIFICATIONS.
 2. ALL ACRYLIC FACE PLATES SHALL HAVE A MATTE FINISH.
 3. TEXT AND NUMBERS SHALL BE UPPER CASE, HELVETICA MEDIUM FONT.

D1
A902
SIGN ELEVATIONS
 SCALE: 6" = 1'-0"

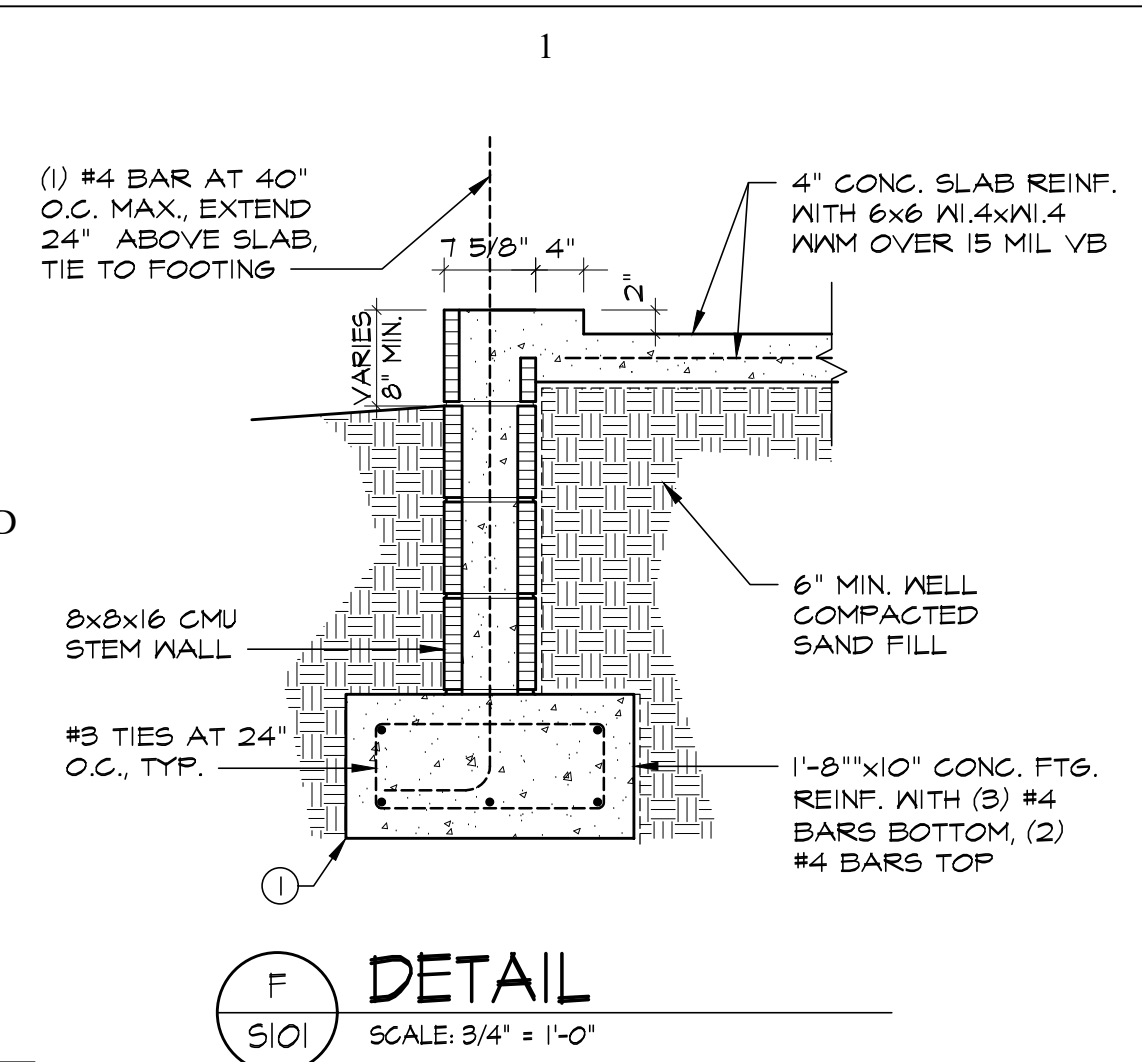


C1
A902
SIGNAGE ELEVATIONS
 SCALE: 1/2" = 1'-0"

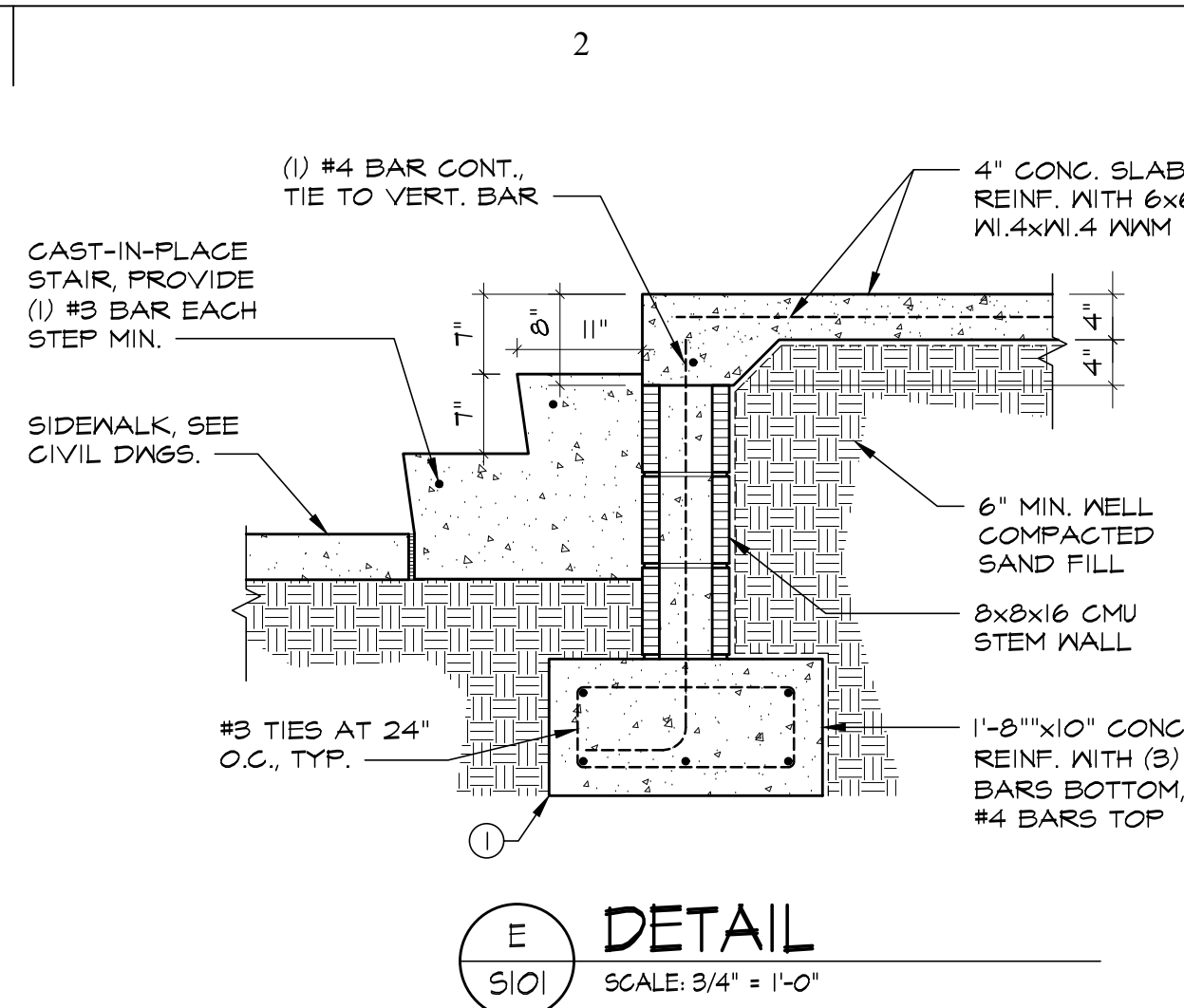
SIGNAGE SCHEDULE			
SIGNAGE TYPES			
TYPE 'A' - TACTILE 'ROOM NUMBER ONLY' IDENTIFICATION			
TYPE 'B' - TACTILE 'ROOM NAME ONLY' IDENTIFICATION			
TYPE 'C' - TACTILE RESTROOM/SHOWERS			
TYPE 'D' - HAZARDOUS AREA SIGNAGE			
TYPE 'X' - TACTILE 'EXIT', ADA			
Room No.	DOOR No.	SIGNAGE COPY	TYPE
100	100	EXIT	X
	100A	EXIT	X
101	101	101	A
	101	CLOSET #1	B
102	-	-	-
	102	102	A
103	-	-	-
	103	CLOSET #2	B
104	-	-	-
	104	104	A
105	105	105	A
	105	RESTROOM AND SHOWERS	C
105	105	105	A
	105	JANITOR	B
105	105	MECHANICAL / ELECTRICAL	B
	105	HAZARDOUS AREA	D



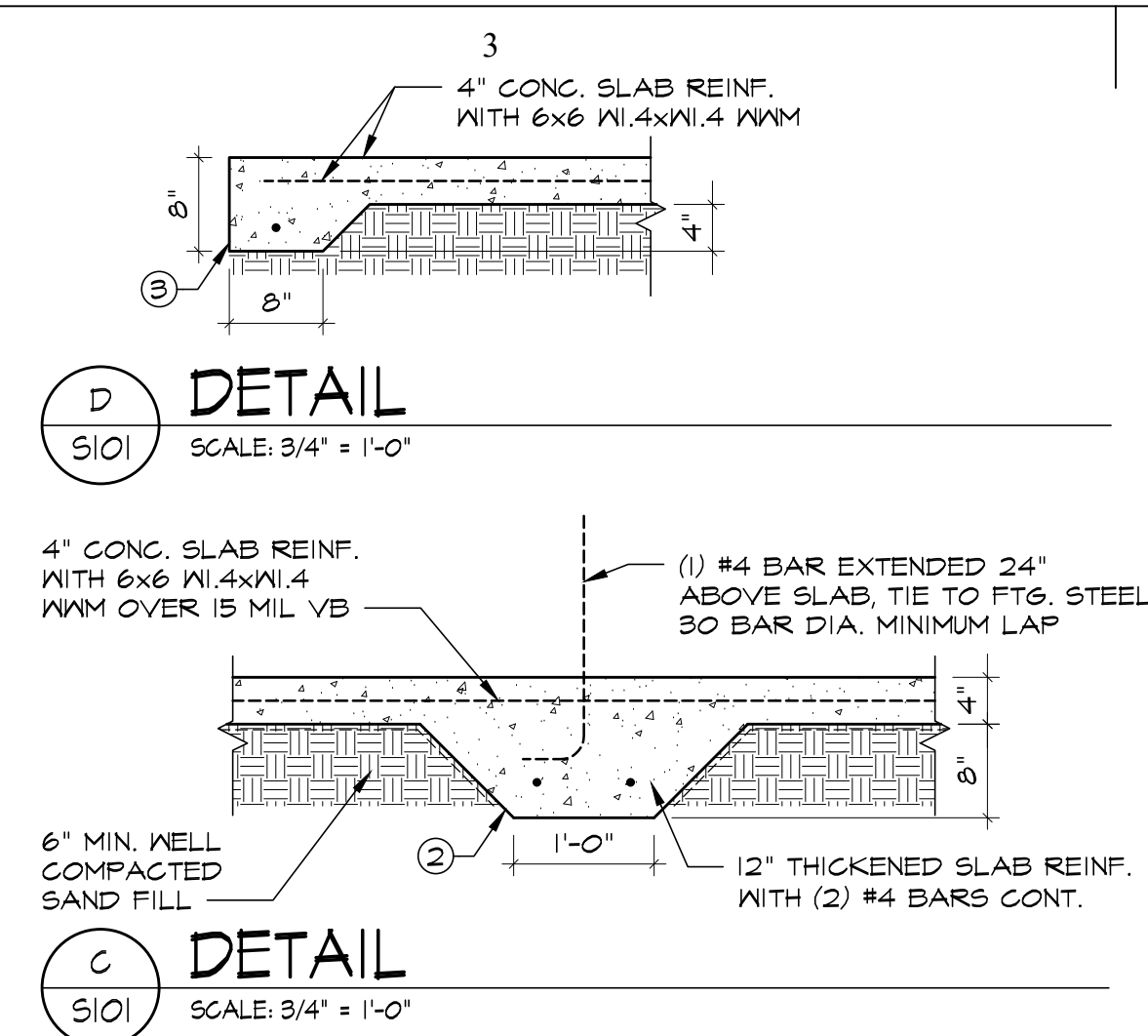
A4
A902
SIGNAGE PLAN
 SCALE: 1/4" = 1'-0"



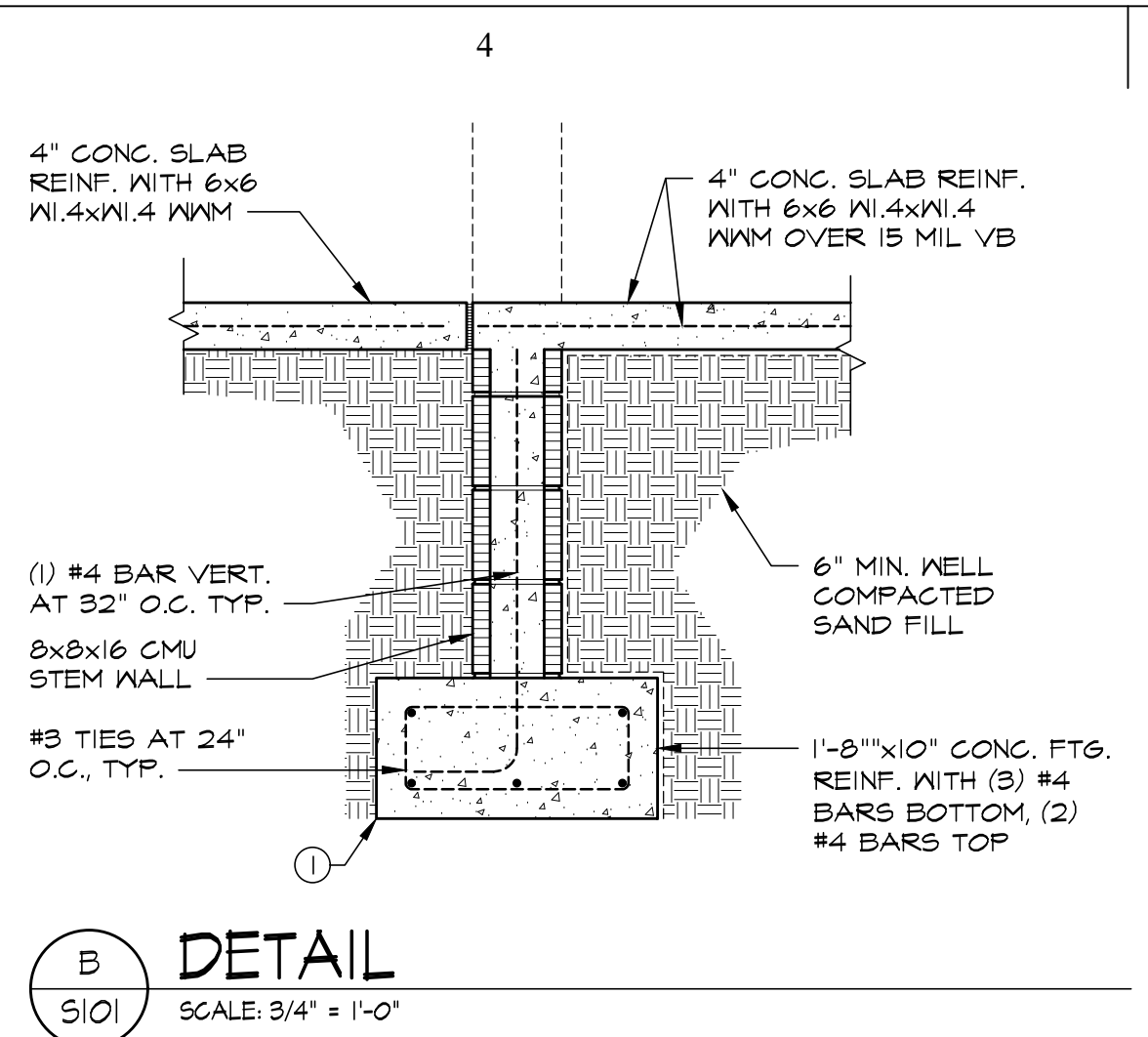
F DETAIL
S101 SCALE: 3/4" = 1'-0"



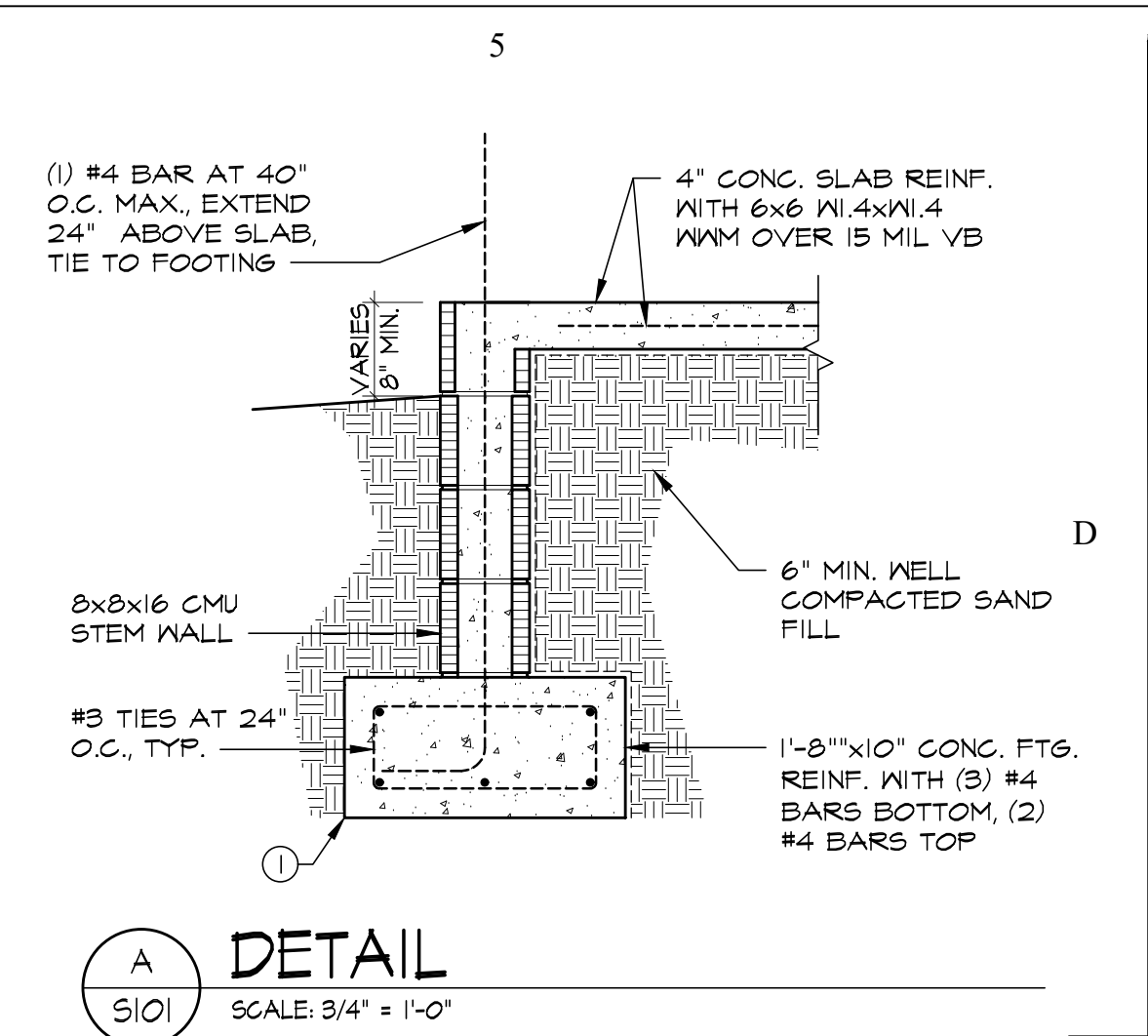
E DETAIL
S101 SCALE: 3/4" = 1'-0"



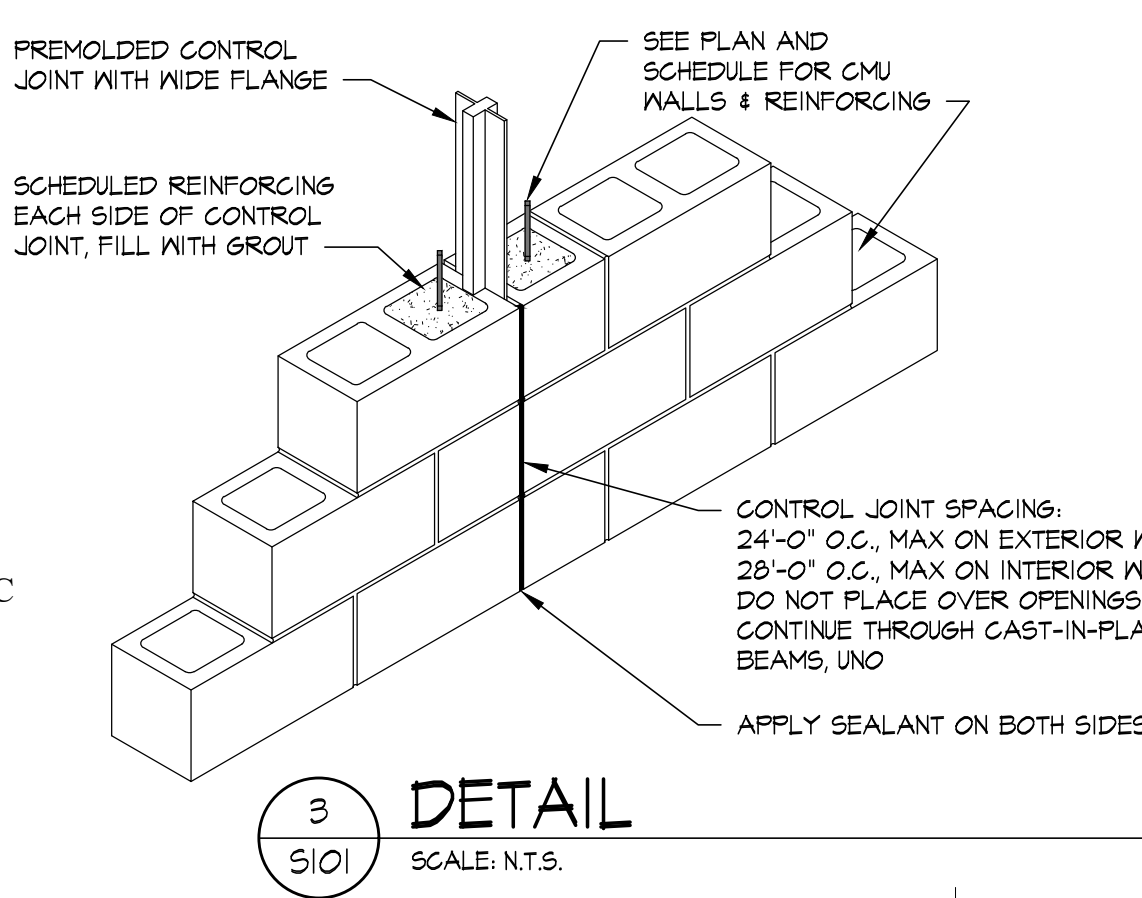
D DETAIL
S101 SCALE: 3/4" = 1'-0"



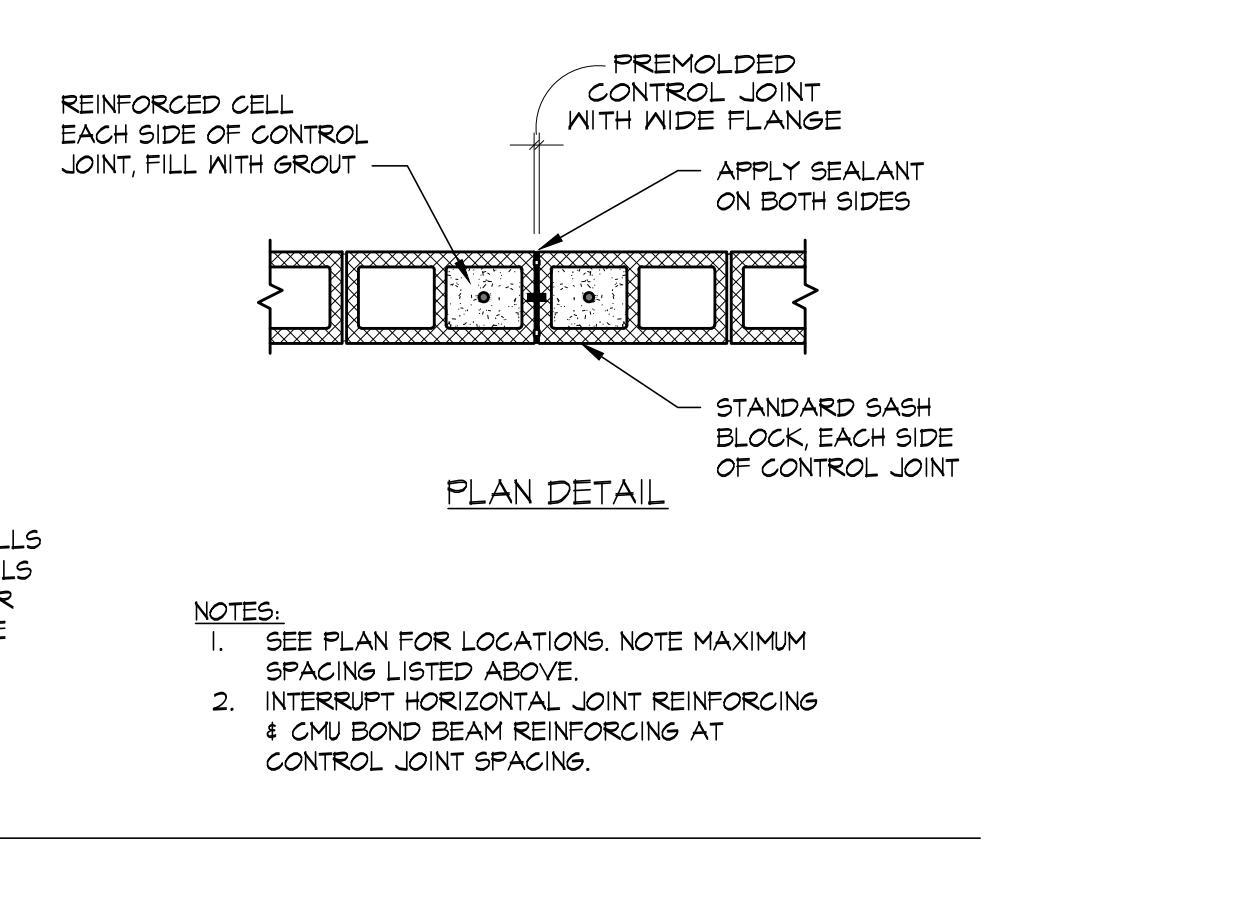
B DETAIL
S101 SCALE: 3/4" = 1'-0"



A DETAIL
S101 SCALE: 3/4" = 1'-0"

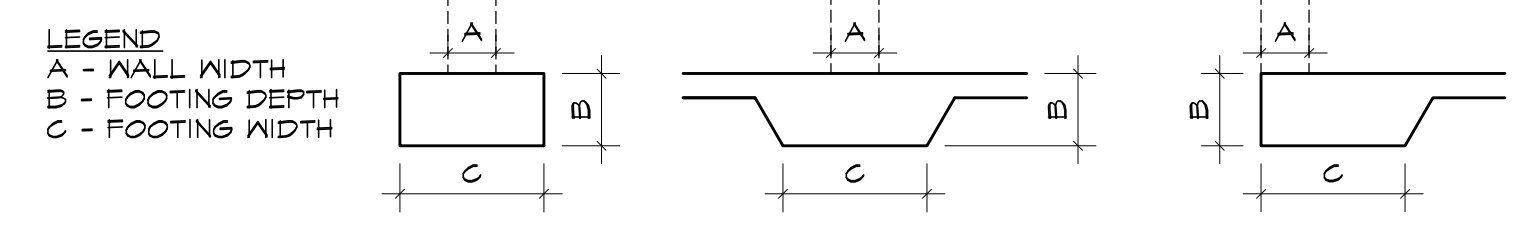


C DETAIL
S101 SCALE: N.T.S.

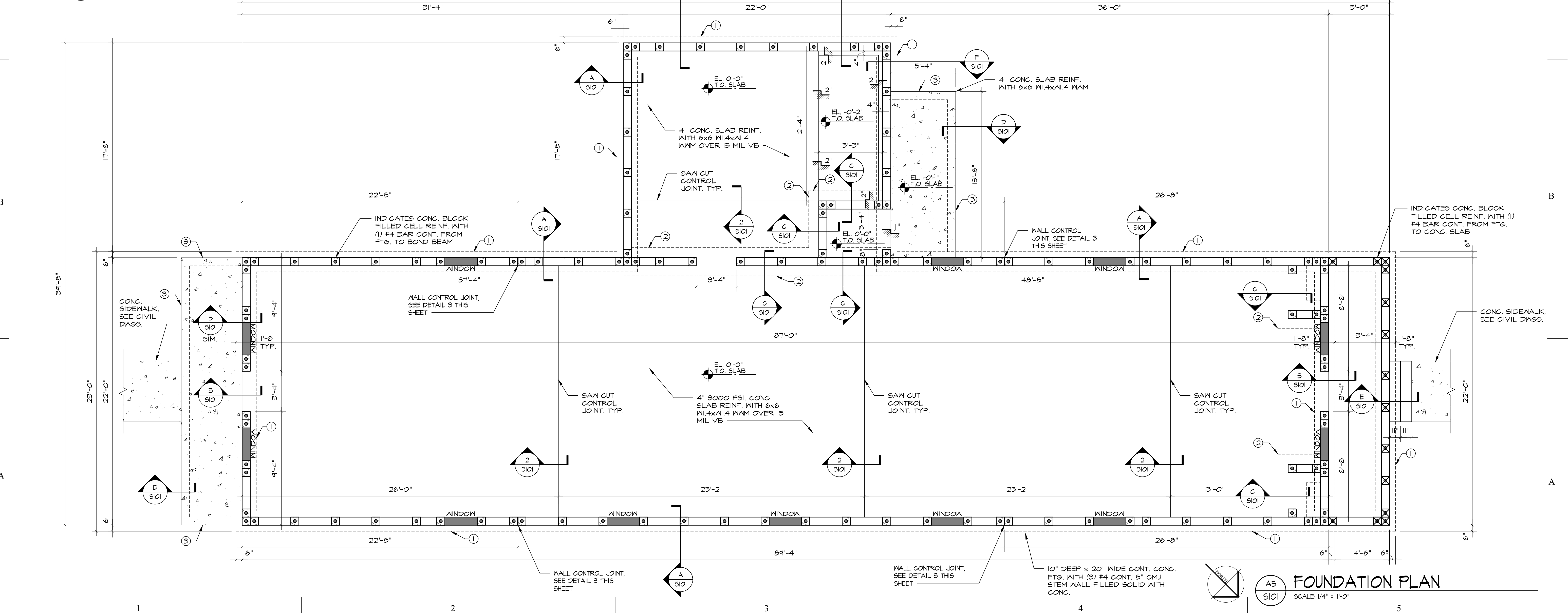


2 SAW CUT JOINT DETAIL
S101 SCALE: 3" = 1'-0"

FOOTING SCHEDULE					
NO.	A	B	C	FOOTING REINFORCING	REMARKS
①	8"	10"	20"	(3) NO. 4 BARS CONT. (3) BOTTOM (2) TOP	TRENCH FTG.
②	8"	12"	12"	(2) NO. 4 BARS CONT.	THICKENED SLAB
③	8"	8"	8"	(1) NO. 4 BARS CONT.	THICKENED SLAB



- NOTES:**
- SEE PLAN FOR LOCATIONS. NOTE MAXIMUM SPACING LISTED ABOVE.
 - INTERRUPT HORIZONTAL JOINT REINFORCING AT CONTROL JOINT SPACING.



A5 FOUNDATION PLAN
S101 SCALE: 1/4" = 1'-0"

BHIDE & HALL ARCHITECTS, P.A.
1329 KINGSLEY AVENUE, SUITE C ORANGE PARK, FLORIDA 32063
PH: (904) 264-1919
LIC. NO. AAC00869



**Renovations to 2100 Area Barracks
Camp Blanding Joint Training Center
Stark, Florida**
CFMO PROJECT NO: 218042

Architect License No. AR0091953
BRADY SAWYER

REVISIONS

FOUNDATION PLAN

DATE: 4-17-2020
D.B. P.R.L.
C.B. B.S.S.
JOB NO. 18038

S101
BID SUBMITTAL

PRECAST CONCRETE LINTEL SCHEDULE



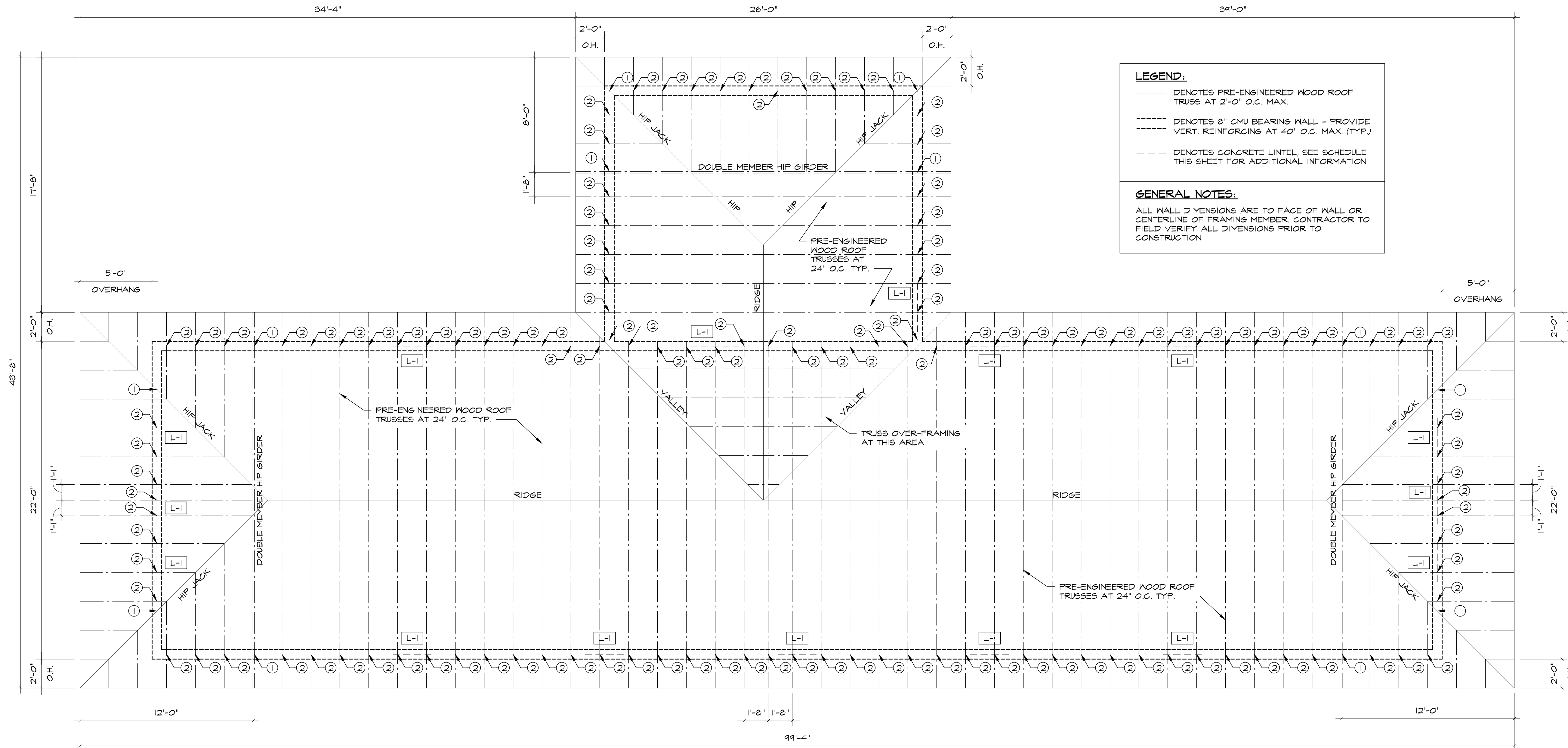
NOTE: REINFORCED CONCRETE LINTELS TO BE FILLED SOLID W/ 3000 PSI CONCRETE FEA GRAVEL PUMP MIX.

CONNECTOR SCHEDULE

CONNECTOR LABEL	ACTUAL MAX	CONNECTOR	MANUFACTURER	FASTENER SCHEDULE	REMARKS
	ALLOWABLE UPLIFT				
①	155 MAX	S/VGT2.5	SIMPSON	(20) #14 GALV. SCREWS	TRUSS MANUF. TO PROVIDE BOX SLEEVE AT TRUSS CONNECTION AS REQ'D.
②	555 MAX	META 12	SIMPSON	(9) #10 GALV. SCREWS	TRUSS MANUF. TO PROVIDE BOX SLEEVE AT TRUSS CONNECTION AS REQ'D.

ENGINEERED TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS FOR METAL PLATE CONNECTED TRUSSES, PUBLISHED BY THE TRUSS PLATE INSTITUTE, AND SHALL BEAR THE SEAL OF AN ENGINEER LICENSED TO PRACTICE IN THE STATE OF FLORIDA.

TRUSS TO TRUSS CONNECTORS TO BE PROVIDED BY TRUSS MANUFACTURER.



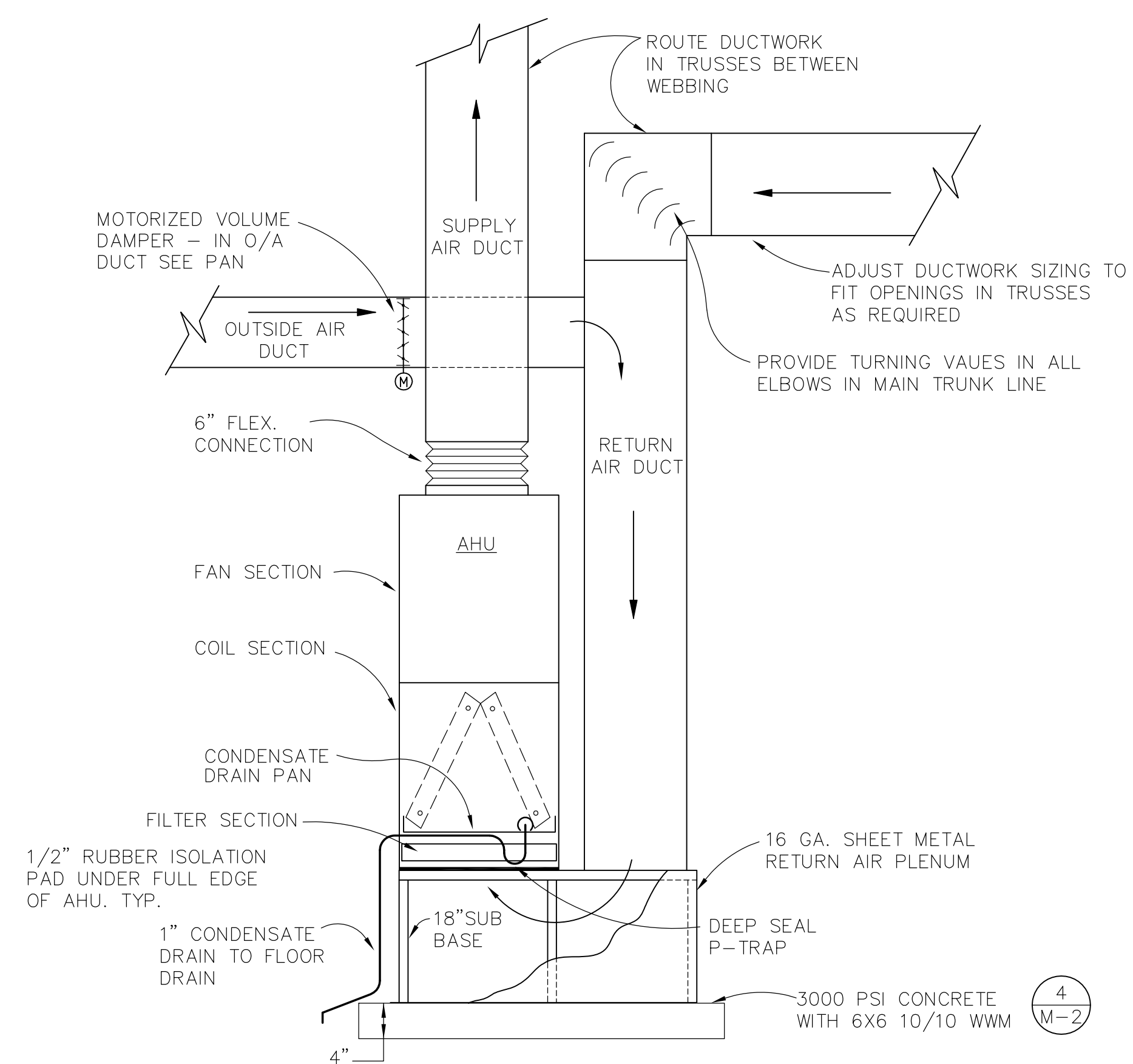
LEGEND:
 - - - DENOTES PRE-ENGINEERED WOOD ROOF TRUSS AT 2'-0" O.C. MAX.
 - - - - DENOTES 8" CMU BEARING WALL - PROVIDE VERT. REINFORCING AT 40" O.C. MAX. (TYP.)
 - - - DENOTES CONCRETE LINTEL, SEE SCHEDULE THIS SHEET FOR ADDITIONAL INFORMATION

GENERAL NOTES:
 ALL WALL DIMENSIONS ARE TO FACE OF WALL OR CENTERLINE OF FRAMING MEMBER. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.

NOTE: LAYOUT SHOWN FOR GENERAL COORDINATION WITH PRE-ENGINEERED TRUSS MANUFACTURER. MANUFACTURER TO PROVIDE ENGINEERED SHOP DRAWINGS WITH FINAL LAYOUT AND ALL REQUIRED CONNECTORS.

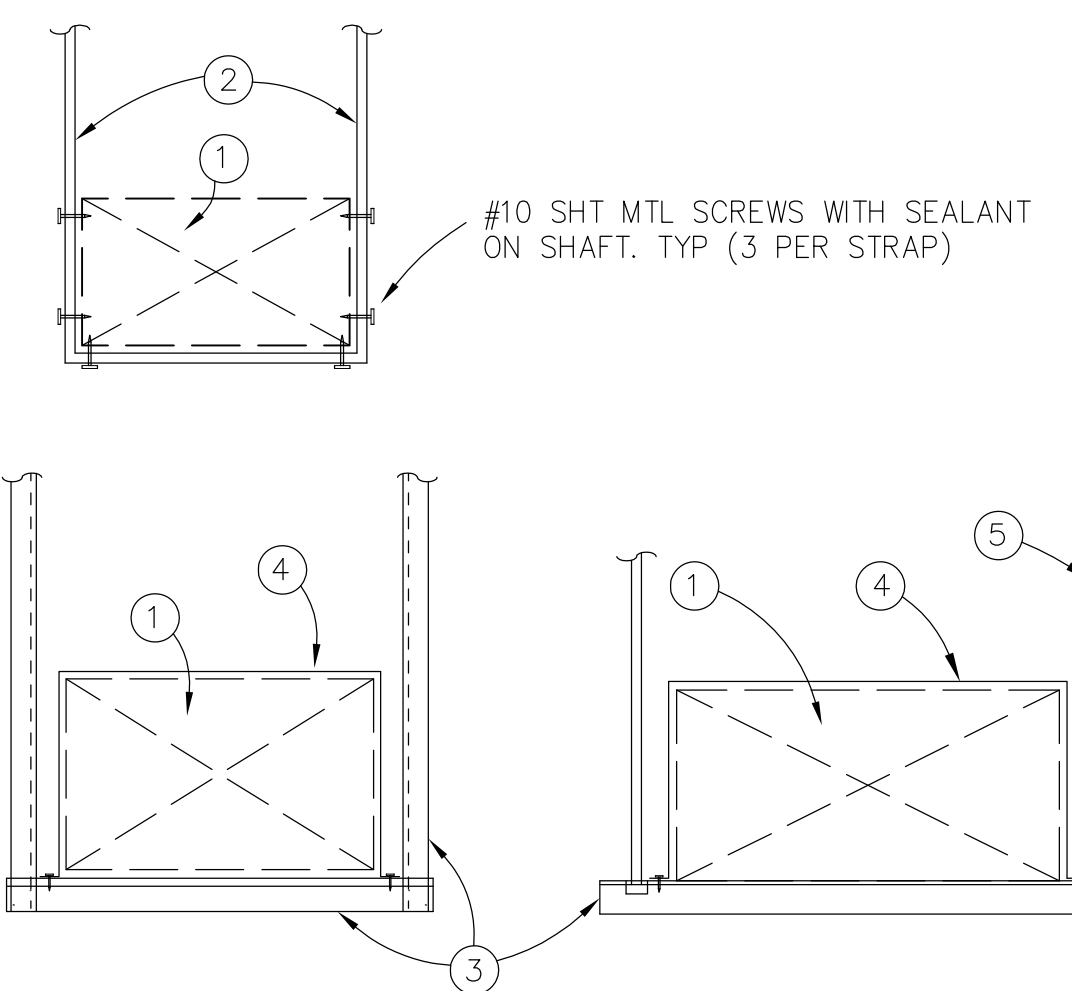
ROOF FRAMING PLAN
 A4 S201 SCALE: 1/4" = 1'-0"





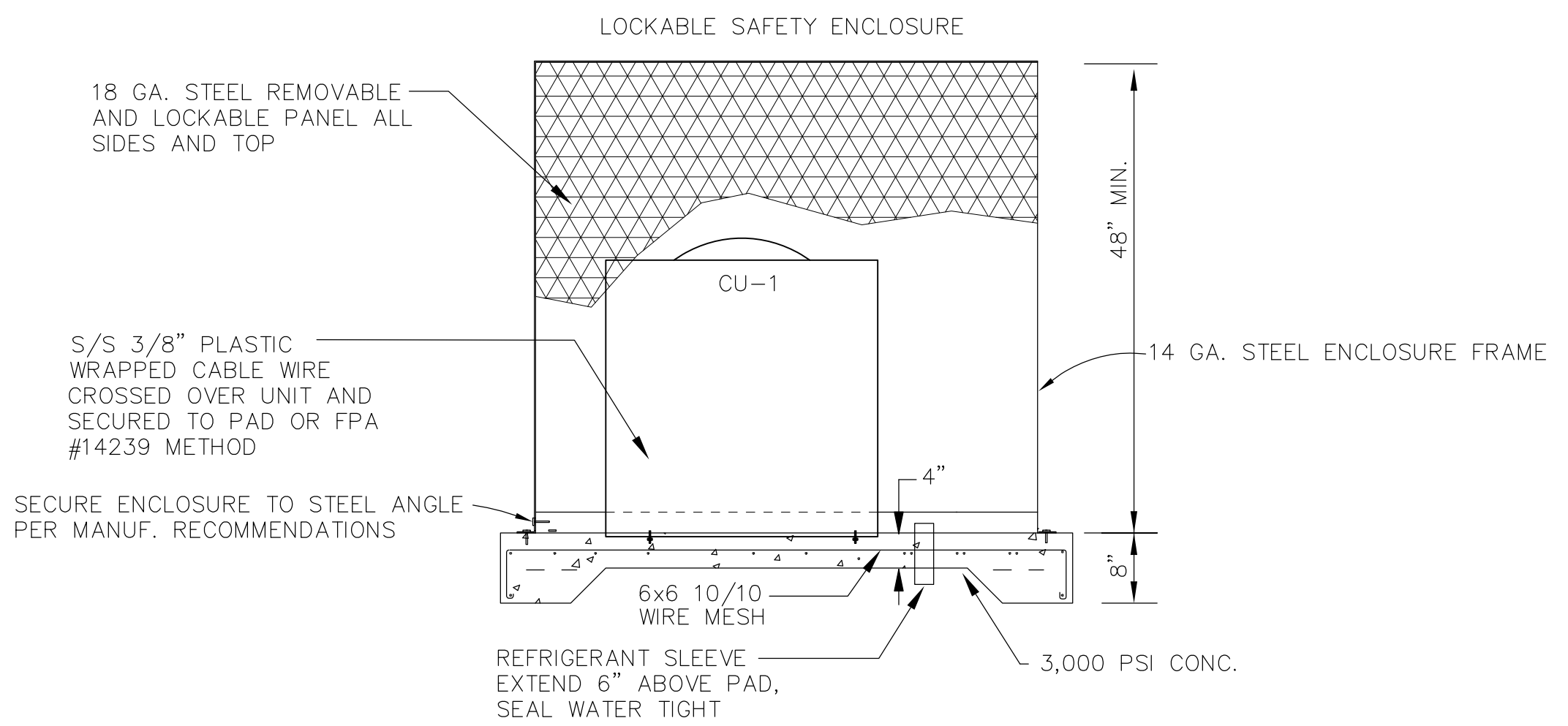
TYPICAL AHU DETAIL
NOT TO SCALE

1
M-2



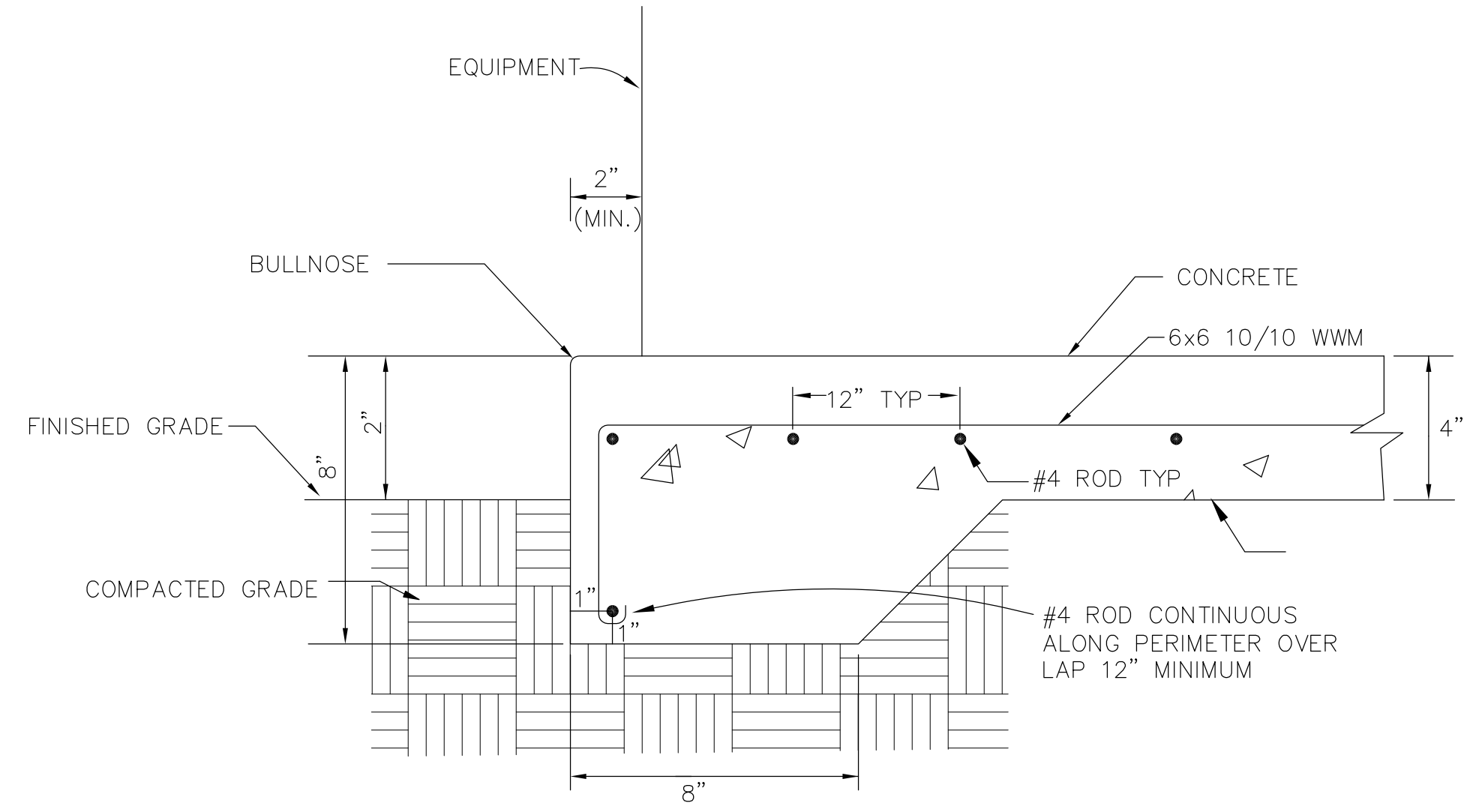
SHEET METAL DUCT HANGERS DETAIL
NOT TO SCALE

6
M-2



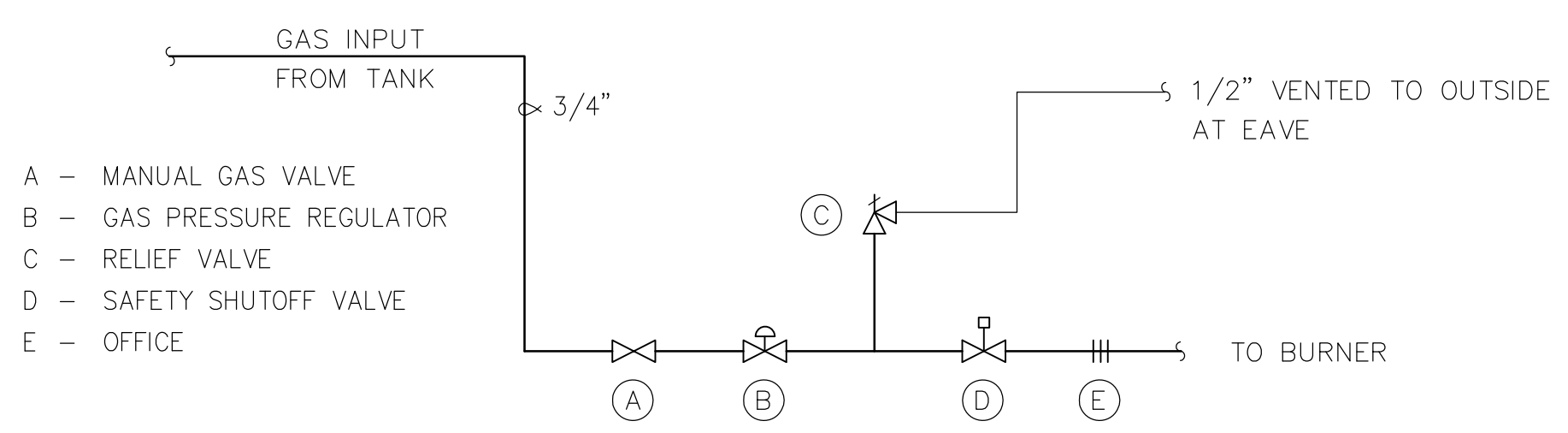
EQUIPMENT PAD DETAIL
NOT TO SCALE

2
M-2



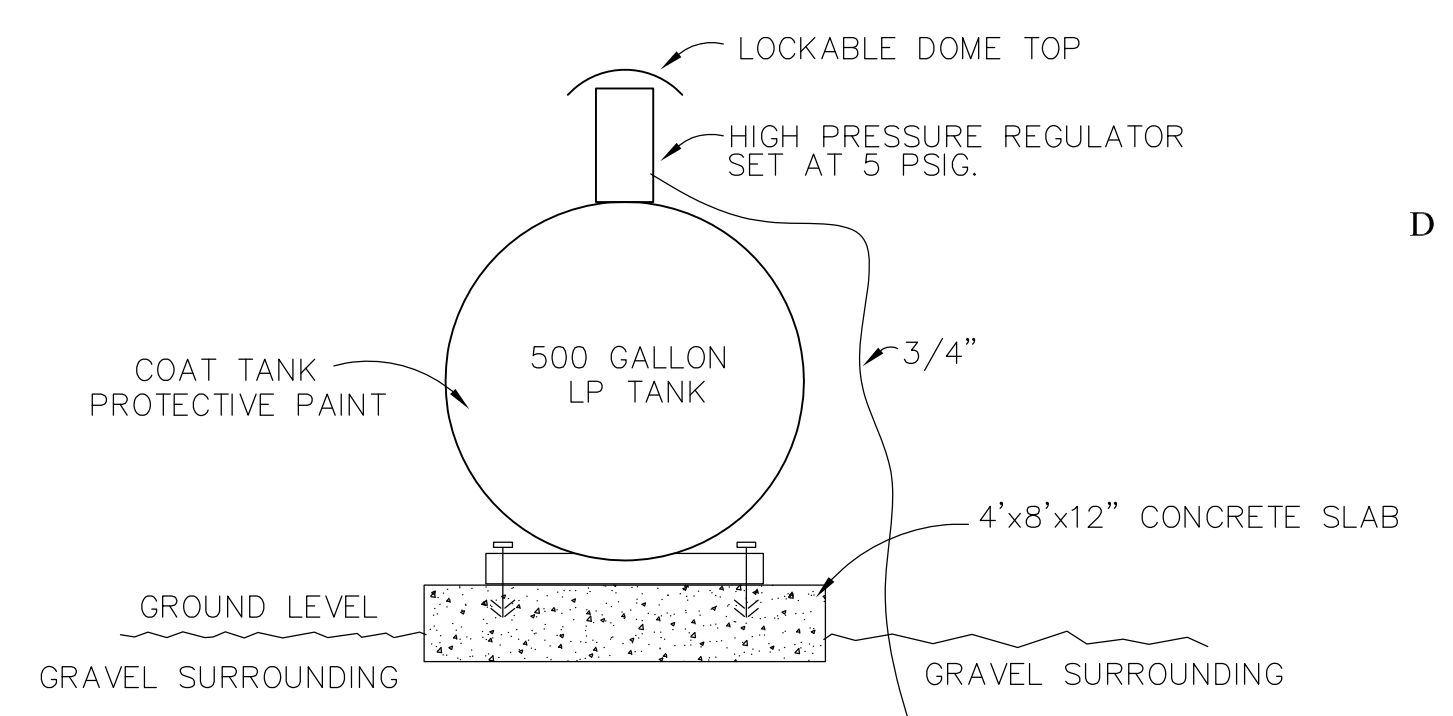
EQUIPMENT PAD DETAIL
NOT TO SCALE

4
M-2



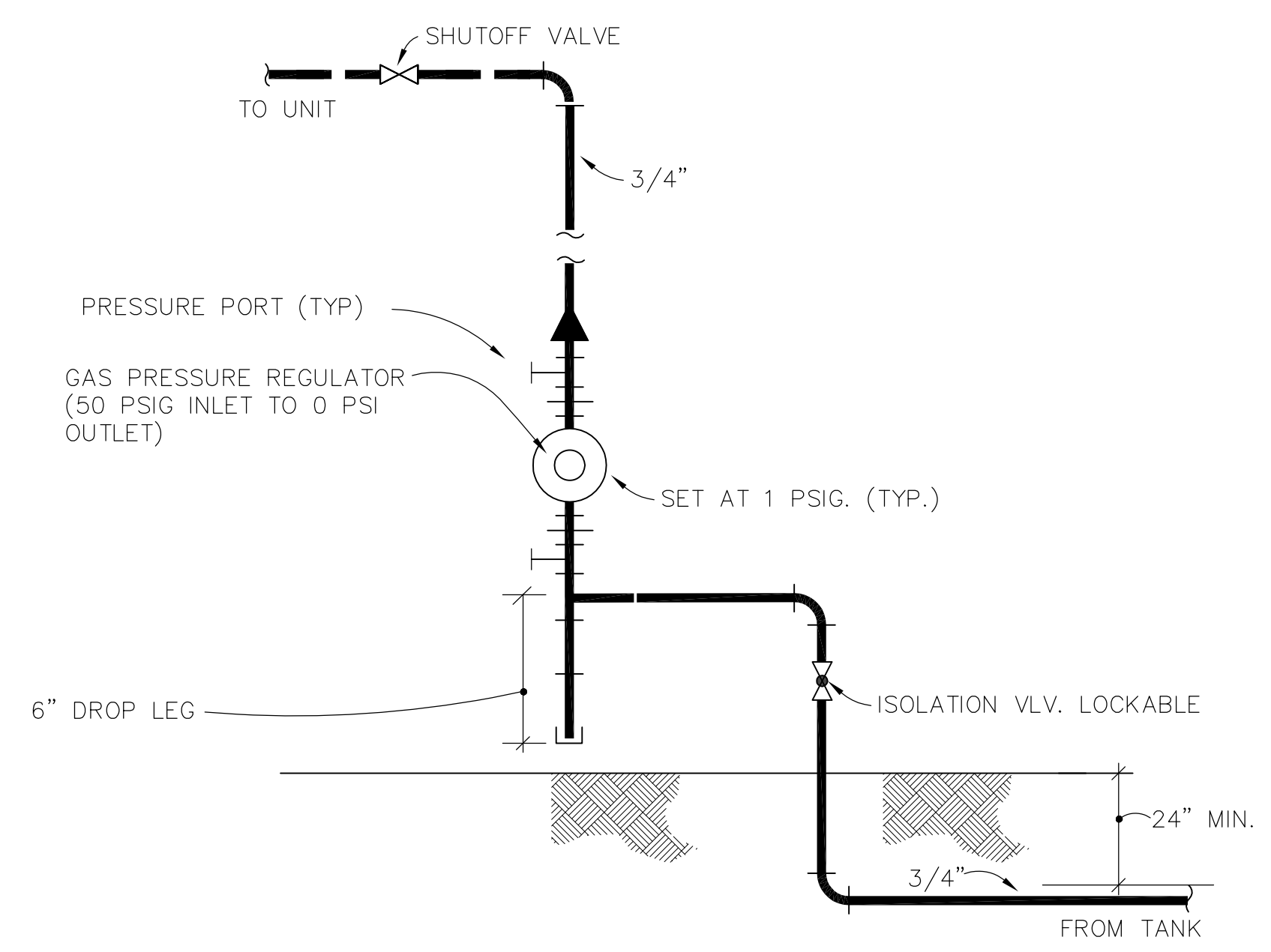
FURNACE GAS TRAIN DIAGRAM
NOT TO SCALE

7
M-2



L.P. TANK INSTALLATION DETAIL
NOT TO SCALE

3
M-2



TYPICAL GAS SERVICE ENTRANCE
NOT TO SCALE

5
M-2

SPLIT SYSTEM WITH FURNACE SCHEDULE

SYMBOL	AIR HANDLING UNIT DATA				FAN DATA					CONDENSING UNIT PERFORMANCE							CONDENSING UNIT PERFORMANCE				REMARKS						
	MANUF.	MODEL	FAN TYPE	LOCATION	TOTAL CFM	O/A CFM	EXT. S.P.	MOTOR H.P.	FAN RPM	SYMBOL	MANUF.	MODEL	ENT. db	COND. wb	LEAVING COND. db	wb	COOLING MBH TOTAL	SEER @ ARI COND.	SEER @ ARI COND.	MODEL		FURNACE HTG CAPACITY (MBH)	EFF.	GAS TYPE	FLUE	ELECT HT. VOLT/PH	AMB °F
AHU-1	CARRIER	CNPV	CENTRIF.	MECH RM	1900	400	0.50	3/4	NA	CU-1	CARRIER	24ABC	80.0	67.0	61.3	58.8	53.4	40.4	15.5	59SP	100	92 AFUE	PROPANE	CONCENTRIC	SEE ELEC	95	ALL

NOTES:

1. VERIFY ELECTRICAL DRAWINGS FOR FAN VOLTAGES AND PHASE.
2. CONTRACTOR TO PROVIDE MANUFACTURER'S RECOMMENDED CLEARANCES FOR AHU EVAPORATOR COIL AND FILTER ACCESS, WHERE SHOWN.
3. PROVIDE 1", HIGH VELOCITY TYPE, THROW-AWAY FILTERS. TO BE 13 MERV. OR HIGHER.
4. CONTRACTOR TO REPLACE FILTERS AT END OF CONSTRUCTION.
5. PROVIDE AHU W/ SPRING ISOLATION, PER MANUFACTURER'S RECOMMENDATION.
6. LINE FIRST 10 FEET OF AHU SUPPLY AND RETURN DUCTING WITH 1" ARMAFLEX.
7. PROVIDE SINGLE PT. ELECTRICAL CONNECTION, AND MANUFACTURER PROVIDED STANDARD DISCONNECT AND STARTER.
8. LOCATE 7 DAY PROGRAMMABLE, T-STAT IN CURRENT LOCATION. PROVIDE WITH 70± 5°F SET PT. ADJUSTMENT. T-STAT SHALL CONTROL 2 STAGE HEATING. MOUNT AFF PER FBC. T-STAT TO HAVE BUILT IN HUMIDITY CONTROL. SEE GENERAL NOTES FOR MORE INFORMATION.
9. PROVIDE MOTORIZED OUTSIDE AIR DAMPER
10. PROVIDE AHU FAN W/ OVERSIZED MOTOR & SHEEVE.
11. REFRIGERANT TYPE TO BE PURON 410A.
12. PROVIDE WITH MANUF. RECOMMENDED CONCENTRIC THRU ROOF FLUE. MAY BE P.V.C.

EXHAUST FAN SCHEDULE

SYMBOL	CFM	E.S.P.	MOTOR H.P.	MAX. SONES	MANUF.	MODEL	REMARKS
EF-1	215	0.50	107W	6.0	COOK	GC-188	1,2,3,4
EF-2	70	0.50	32w	3.5	COOK	GC-322	1,2,3,4

NOTES:

1. SEE ELECTRICAL DRAWINGS FOR VOLTAGE AND PHASE REQUIREMENTS.
2. PROVIDE FACTORY BACKDRAFT DAMPER.
3. INTERLOCK FAN WITH RESTROOM LIGHTING. SHALL HAVE TIMED DELAY.
4. DESIGN BASIS: COOK OR EQUAL.

DIFFUSER SCHEDULE

SYMBOL	TYPE	MANUF.	SERIES	CONSTRUCTION	SIZE	NC (MAX)	REMARKS
RAG	SURFACE	PRICE	610	ALUMINUM	24x24	30	1,2
CD	LAY-IN	PRICE	ASGDA	ALUMINUM	24x24	30	1,2,4
EAVE VENT	INTAKE	PRICE	630	ALUMINUM	12x8	30	1,2,3
EAVE VENT	EXHAUST	PRICE	630	ALUMINUM	12x8	30	1,2

NOTES:

1. DESIGN BASIS - PRICE OR EQUAL
2. SEE ARCHITECTURAL FOR FINISHES AND LOCATIONS.
3. SHALL HAVE INSECT SCREEN.
4. 4-WAY DESIGN

MECHANICAL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SUPPLY AIR DIFFUSER / REGISTER	A/C	AIR CONDITIONING	GALV.	GALVANIZED
	RETURN AIR REGISTER / GRILLE	AFF	ABOVE FINISHED FLOOR	MAX.	MAXIMUM
	SUPPLY AIR FLOW	ARCH	ARCHITECTURAL	MECH.	MECHANICAL
	RETURN / EXHAUST OR INTAKE AIR FLOW	APPROX	APPROXIMATE	MCU	MINI CU
	DUCT UP	AHU	AIR HANDLING UNIT	MEZZ	MEZZANINE
	DUCT DOWN	AUX	AUXILIARY	MIN.	MINIMUM
	CONCENTRIC DUCT REDUCER OR TRANSITION	BLDG	BUILDING	MISC.	MISCELLANEOUS
	90° SQUARE ELBOW W/ TURNING VANES	CLG	CEILING	N/A	NOT APPLICABLE
	FLEXIBLE CONNECTION	CD	CEILING DIFFUSER	NTS	NOT TO SCALE
	ROUND OR OVAL DUCT	CR	CEILING REGISTER	O/A	OUTSIDE AIR
	DUCT-FIRST FIGURE WIDTH, SECOND DEPTH	CU	CONDENSING UNIT	OBD	OPPOSED BLADE DAMPER
	MANUAL VOLUME DAMPER	CFM	CUBIC FEET PER MINUTE	RA	RETURN AIR
	CONCRETE	DIA	DIAMETER	RAG	RETURN AIR GRILLE
	INSULATION	DIFF	DIFFUSER	RM	ROOM
	10" x 10" OR 10" Ø NECK 24x24 LAY-IN CEILING DIFFUSER 250 CFM (4 WAY BLOW UNLESS OTHERWISE NOTED)	DR	DRAIN	SA	SUPPLY AIR
	8" x 8" OR 8" Ø NECK 12x12 SURFACE EXHAUST GRILLE 250 CFM	DWG	DRAWING	TYP	TYPICAL
	THERMOSTAT	D/W	DUCT WORK	WWM	WELDED WIRE MESH
	SMOKE DETECTOR	DN	DOWN		
		(E)	EXISTING		
		EA	EACH		
		EF	EXHAUST FAN		
		ELEC	ELECTRICAL		
		EQ	EQUAL		
		FBC	FLORIDA BUILDING CODE		
		FD	FLOOR DRAIN		
		FF	FINISHED FLOOR		
		FT	FOOT OR FEET		
		GA	GAGE OR GAUGE		
		HTG.	HEATING		
		HP	HEAT PUMP		
		HVAC	HEATING/VENTILATION/AIR CONDITION		
		IN	INCHES		

D

D

C

C

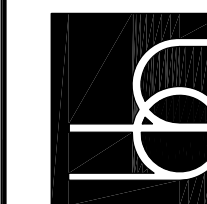
B

B

A

A

BHIDE & HALL ARCHITECTS, P.A.
 1329 KINGSLEY AVENUE, SUITE C ORANGE PARK, FLORIDA 32073
 PH: (904) 264-1919 LIC. NO. AA 000659
 6501 ARINGTON AVENUE, SUITE 201 JACKSONVILLE, FLORIDA 32211
 TELEPHONE: (904) 724-6690 CERT. NO. EB-440



**Renovations to 2100 Area Barracks
 Camp Blending Joint Training Center
 Starke, Florida**
 CFNO PROJECT NO: 218042

Engineer License No.
 Wayne C. Kelly 18451

REVISIONS	DATE	BY	REASON

MECHANICAL SCHEDULES AND LEGEND

DATE	4-17-2020
D.B.	REM
C.B.	WCK
JOB NO.	18038

M-4
 BID SUBMITTAL

SPECIFICATION NOTES

GENERAL VERIFICATION

- VERIFY ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. VERIFY AND PROVIDE DUCT TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DIMENSIONS BEFORE FABRICATION.
- ALL EQUIPMENT, PIPING, DUCTWORK, ETC. SHALL BE SUPPORTED AS DETAILED AND SPECIFIED. ADDITIONAL SUPPORT SHALL BE PROVIDED AS REQUIRED TO PROVIDE A VIBRATION FREE INSTALLATION.
- REFER TO TYPICAL DETAILS FOR INSTALLATION OF EQUIPMENT.
- ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN PIPING, DUCTS AND TRANSITIONS AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL VISIT THE SITE TO BE FAMILIAR WITH THE PROJECT. ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN PIPING, DUCTS, AND TRANSITIONS AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR TO VERIFY VOLTAGE PRIOR TO ORDERING OF EQUIPMENT.

EXHAUST FANS

- EXHAUST FAN LOCATIONS SHOWN ARE APPROXIMATE.
- FAN MOUNTING TO BE IN ACCORDANCE WITH FBC.
- CONTRACTOR TO VERIFY VOLTAGE AND PHASE PRIOR TO ORDERING EQUIPMENT.
- EXHAUST FAN EF-1 TO BE INTERLOCKED WITH SPACE SERVING T-STAT. WHEN T-STAT IS CALLING FOR COOLING OR HEATING, THE FAN SHALL BE ENERGIZED.
- EXHAUST FAN EF-2 TO BE INTERLOCKED WITH SPACE LIGHTS. FAN SHALL HAVE TIME DELAY.
- ALL FANS TO BE SUPPLIED WITH FACTORY BACK DRAFT DAMPER WHERE DETAILED.
- EF-1 SHALL BE INSTALLED FLUSH MOUNTED TO CEILING, ENSURE A VIBRATION FREE INSTALLATION.

DX SPLIT SYSTEMS

- CONTRACTOR TO SIZE AHU REFRIGERATION LINES ACCORDING TO MANUFACTURERS INSTRUCTIONS.
- ROUTE LINES AS DIRECTLY AS POSSIBLE. SEAL PENETRATION FOLLOWING DETAIL.
- PROTECT EXTERIOR LINES WITH 100% GLUED AND UV PAINT PROTECTED 1/2" MIN. ARMAFLEX.
- LINES TO BE INSULATED WITH 1/2" MIN. 100% GLUED ARMAFLEX.
- REFRIGERANT TYPE TO BE PURON 410A.
- GAS FIRED FURNACE OPTION FOR HEAT. SEE SCHEDULE.
- SECURE UNIT TO EQUIPMENT PAD AS RECOMMENDED BY MANUFACTURER.
- FOLLOW FLORIDA APPROVED METHOD FOR ANCHORING OUTDOOR EQUIPMENT.

DIFFUSERS, LOUVERS, GRILLES AND DAMPERS

- OUTSIDE AND EXHAUST AIR GRILLES SHALL BE INSTALLED IN THE EAVE OF THE BUILDING.
- COORDINATE ALL OUTSIDE AND EXHAUST AIR GRILLES TO MATCH EXTERIOR WALL OR EAVE COLOR. THIS FINISH MUST BE APPROVED BY THE PROJECT ARCHITECT.
- ALL DIFFUSER AND REGISTER LOCATIONS IN CEILING SHALL BE COORDINATED WITH ARCHITECTURAL REFLECTED CEILING PLANS AND ELECTRICAL PLANS BEFORE INSTALLATION.
- PROVIDE YOUNG #301 CONCEALED REGULATOR FOR ALL MANUAL CONTROL DAMPERS LOCATED ABOVE HARD CEILINGS. AS AN ALTERNATIVE, CEILING PANELS, NO LESS THAT 24x24, MAY BE USED IN HARD CEILING TO ALLOW FOR ACCESS TO MANUAL DAMPERS.
- INSULATE THE BACKS OF ALL RETURN REGISTERS, SLOT DIFFUSERS, AND SUPPLY DIFFUSERS WITH A 2" THICK DUCTWRAP INSULATION. R-VALVE = R-5 MINIMUM.
- ALL SUPPLY AND RETURN DIFFUSERS SHALL BE SOUND RATED NO GREATER THAN 35 N.C., AT GIVEN DESIGN FLOWS.

CONDENSATE

- PROVIDE 3/4" MIN. PVC CONDENSATE DRAIN PIPE FROM AHU AND ROUTE AS SHOWN. PROVIDE 3/4" MIN. P-TRAP AT UNIT CONNECTION. INSULATE ALL CONDENSATE PIPING FROM UNIT CONNECTION TO TERMINATION POINT.
- PIPE SYSTEM SHALL SLOPE 1/4" PER FOOT MINIMUM.
- PIPE TO BE SCH 40 P.V.C. SIZE INDICATED ON DETAIL.
- PROVIDE SUPPORTS AS NEEDED.
- ENSURE A MINIMUM OF 1" AIR GAP AT TERMINATION POINT OVER FLOOR DRAIN.

AHUS

- PROVIDE FLEXIBLE CONNECTIONS ON ALL DUCTS CONNECTING AIR HANDLING UNITS. FLEX SHALL BE A MINIMUM OF 4" AND A MAXIMUM OF 8" IN LENGTH.
- CONTRACTOR SHALL POSITION AHU TO ALLOW FOR FULL MAINTENANCE ACCESS TO FAN, COILS, DUCT HEATER, AND OUTSIDE AIR MOTORIZED DAMPER.
- FLOAT SWITCH TO BE LOCATED IN AUXILIARY DRAIN PAN UNDER AHU AIR HANDLING UNIT, AND INTERLOCKED FOR INDIVIDUAL UNIT SHUT DOWN.
- AHU SUPPLY DUCTING SHALL BE LINED WITH 1" SOUND INSULATION UP TO THE FIRST 10 FEET FROM THE UNIT.
- PROVIDE AHU SYSTEMS WITH A MULTIPLE ZONE PROGRAMMABLE THERMOSTAT WITH A 7-DAY SYSTEM TIME CLOCK AT 4'-0" ABOVE FINISHED FLOOR. THERMOSTAT SHALL ALLOW FOR NIGHT SETBACK. PROVIDE LOCKING COVER. THERMOSTAT SHALL BE PROVIDED BY EQUIPMENT MANUF. SHALL HAVE TOTAL UNIT CONTROL WITH HUMIDITY SENSING. SEE SCHEDULE NOTES FOR MORE INFORMATION.
- REFRIGERANT PIPING TO BE AS DIRECT ROUTED AS POSSIBLE. DO NOT ROUTE IN SUCH A WAY TO HAVE UNNECESSARY DIRECTION CHANGES.
- CONTRACTOR TO SIZE AHU REFRIGERATION LINES ACCORDING TO MANUFACTURERS INSTRUCTIONS.
- REPLACE ALL FILTERS IN AIR HANDLING UNITS UPON COMPLETION OF INSTALLATION AND BEFORE TEST AND BALANCE WORK BEGINS.
- AHU-1 TO HAVE 24V MOTORIZED OUTSIDE AIR DAMPER CONTROLLED BY UNIT T-STAT. DAMPER TO OPEN WHEN T-STAT CALLS FOR COOLING OR HEATING.

DUCTWORK

- CONTRACTOR MAY SUBSTITUTE RECTANGULAR DUCTWORK FOR ROUND WHERE PRACTICAL OR AS DESIRED - USE EQUAL FRICTION LOSS METHOD OR REDUCED LOSSES DESIRED.
- ROUTE ALL PIPING AND DUCTWORK AS HIGH AS POSSIBLE.
- CONTRACTOR SHALL ENSURE THAT RETURN AIR PATH IS AVAILABLE FROM ALL AREAS TO AHU.
- PROVIDE SMOKE DETECTOR IN SUPPLY AIR STREAM FOR FAN SHUT DOWN OF ALL HVAC UNITS. SMOKE DETECTOR SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR. SMOKE DETECTORS TO BE CONNECTED TO AUDIBLE/VISUAL ALARM (SEE ELECTRICAL). PROVIDE ACCESS FOR SMOKE DETECTORS IN DUCTWORK OR IN UNITS.
- PROVIDE SPIN-IN CONE WITH LOCKING DAMPER AT EACH BRANCH DUCT RUN CONNECTING TO SUPPLY DUCT.
- REFER TO TYPICAL DETAILS FOR INSTALLATION OF EQUIPMENT AND DUCTWORK.
- RIGID INSULATE DUCTWORK IN MECHANICAL ROOM, 1" RIGID WITH FOIL FACE.
- INSULATE REMAINDER OF DUCTWORK SYSTEM WITH 2" BLANKET WITH FOIL FACE. MASTIC AND TAPE ALL JOINTS.
- DO NOT THERMALLY INSULATE EXHAUST DUCTWORK.
- THERMALLY INSULATE ALL DUCTWORK WITH THE EXCEPTION OF EXHAUST DUCTWORK.
- ALL DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. ALL RECTANGULAR DUCTS SHALL BE EXTERNALLY LINED.
- ALL DUCT TO BE GROUNDED ACROSS FLEXIBLE CONNECTIONS WITH FLEXIBLE COPPER GROUNDING STRAPS.
- ALL DUCTWORK TRANSITIONS SHALL NOT EXCEED 45° ANGLE OF CONVERGENCE OR DIVERGENCE.
- ENSURE NO OBSTRUCTIONS BETWEEN INSULATION AND ACTUATORS, MANUAL DAMPER HANDLES, LOCKING DEVICES, ACCESS COVERS, ETC. ENSURE FULL RANGE OF MOTION FOR ALL EQUIPMENT WITH INSULATION IN PLACE.
- CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ALL DETAILS OF THE WORK, VERIFY ALL DIMENSIONS IN THE FIELD, AND NOTIFY THE ENGINEER OF ANY DISCREPANCY BEFORE PERFORMING ANY WORK.

FLEX DUCTWORK

- ROUTE ALL FLEX DUCTWORK AS STRAIGHT AS POSSIBLE FROM SUPPLY DUCTWORK TO DIFFUSER INLET.
- USE UL 181 RATED INSULATED METAL FLEX DUCT TO CONNECT BRANCH DUCTING TO CD'S.
- PROVIDE SPIN-IN CONE WITH LOCKING DAMPER AT EACH FLEXIBLE DUCT RUN OUT CONNECTING SUPPLY DUCT TO DIFFUSER. USE UL 181 RATED METAL FLEX DUCT. IF RUN OUT DISTANCE EXCEEDS 5 FEET, AN INSULATED METAL DUCT OF REQUIRED LENGTH AND EQUAL DIAMETER SHALL BE INSTALLED WITH AIR SCOOP AND LOCKING DAMPER AT MAIN DUCT TO REDUCE FLEX RUN OUT LENGTH TO A MAXIMUM OF 5 FEET.

FURNACE EXHAUST

- SEE MANUFACTURER FOR PROPER SIZING INFORMATION.
- FLUE TYPE TO BE 304 STAINLESS STEEL DOUBLE WALL CONCENTRIC CONSTRUCTION. INNER WALL TO BE 20 GAGE MIN. OUTER WALL TO BE 24 GAGE MIN.
- MINIMUM FLUE WALL SEPARATION TO BE 1".
- FLUE TO BE RATED AT 1000°F CONTINUOUS TEMPERATURE.
- FLUE TO HAVE ROOF MOUNTED ANCHOR PLATE, STORM COLLAR ROOF BAND SUPPORT SYSTEM AND RAIN CAP WITH BIRD SCREEN.
- EXHAUST GAS INNER WALL TO EXTEND A MIN. 36" ABOVE OUTER AIR INTAKE TERMINATION POINT ABOVE ROOF.

MISC.

- CONTRACTOR SHALL RETAIN AN INDEPENDENT TEST AND BALANCE CONTRACTOR TO TEST, ADJUST AND BALANCE ALL AIR SYSTEMS WITHIN THE BOUNDARIES OF THIS WORK. VERIFY THE CONTROLS ON ALL VOLUME CONTROL BOXES AND THE AIR HANDLING UNITS. CFM REQUIRED AT EXISTING DIFFUSERS SHALL BE BALANCED TO AIR FLOW RATES SHOWN ON DRAWINGS. DO NOT EXCEED REQUIRED N.C. RATINGS ON DIFFUSERS.
- CEILING ACCESS PANELS SHALL BE PROVIDED, WHERE REQUIRED, TO SERVICE DAMPERS, HEATERS, VALVES AND OTHER CONCEALED MECHANICAL EQUIPMENT.
- CEILING ACCESS PANELS SHALL BE PROVIDED TO SERVICE DAMPER, VALVES, AND OTHER CONCEALED MECHANICAL EQUIPMENT BEHIND "GYP. BOARD" CEILING.
- DO NOT ALLOW DIRECT CONTACT BETWEEN PIPE OR DUCTS AND WALLS, FLOOR SLABS, ROOFS, CEILINGS OR PARTITIONS OF EQUIPMENT ROOMS. PACK ANNULAR SPACES WITH MINERAL FIBER INSULATION.
- PIPE SLEEVES SHALL BE SCHEDULE 40 P.V.C. TIGHTLY PACKED AROUND ANNULAR SPACE, BETWEEN PIPE AND SLEEVE, WITH INSULATION OF FLAME SPREAD/SMOKE RATING NO GREATER THAN 25/50
- USE BEVELLED WASHERS WHERE BEARING SURFACES FOR HANGER RODS HAVE A SLOPE GREATER THAN 1:20 WITH RESPECT TO THE PLAN NORMAL TO THE BOLT AXIS.
- PROVIDE AIR VENT VALVES AND PLUGS AT ALL PIPING SYSTEM HIGH POINTS TO ENSURE ADEQUATE VENTING. PROVIDE DRAIN VALVES AND PLUGS AT ALL LOW POINTS OF PIPING SYSTEM TO ENSURE PROPER DRAINAGE.

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**Renovations to 2100 Area Barracks
 Camp Blanding Joint Training Center
 Starke, Florida**

CFNO PROJECT NO: 218042

Engineer License No.
 Wayne C. Kelly 18451

REVISIONS									

MECHANICAL GENERAL SPECIFICATIONS

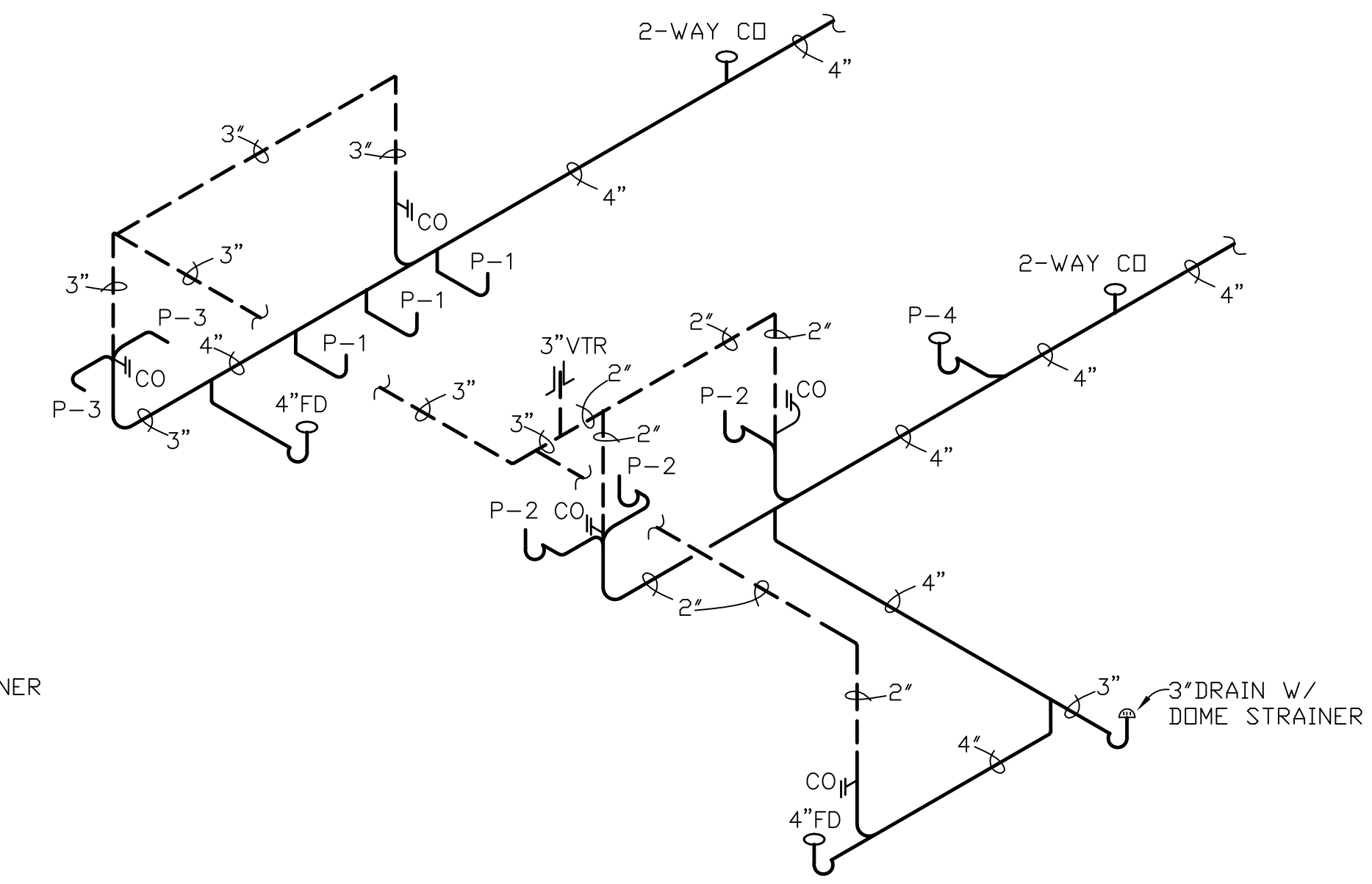
DATE	4-17-2020
D.B.	REM
C.B.	WCK
JOB NO.	18038

M-5
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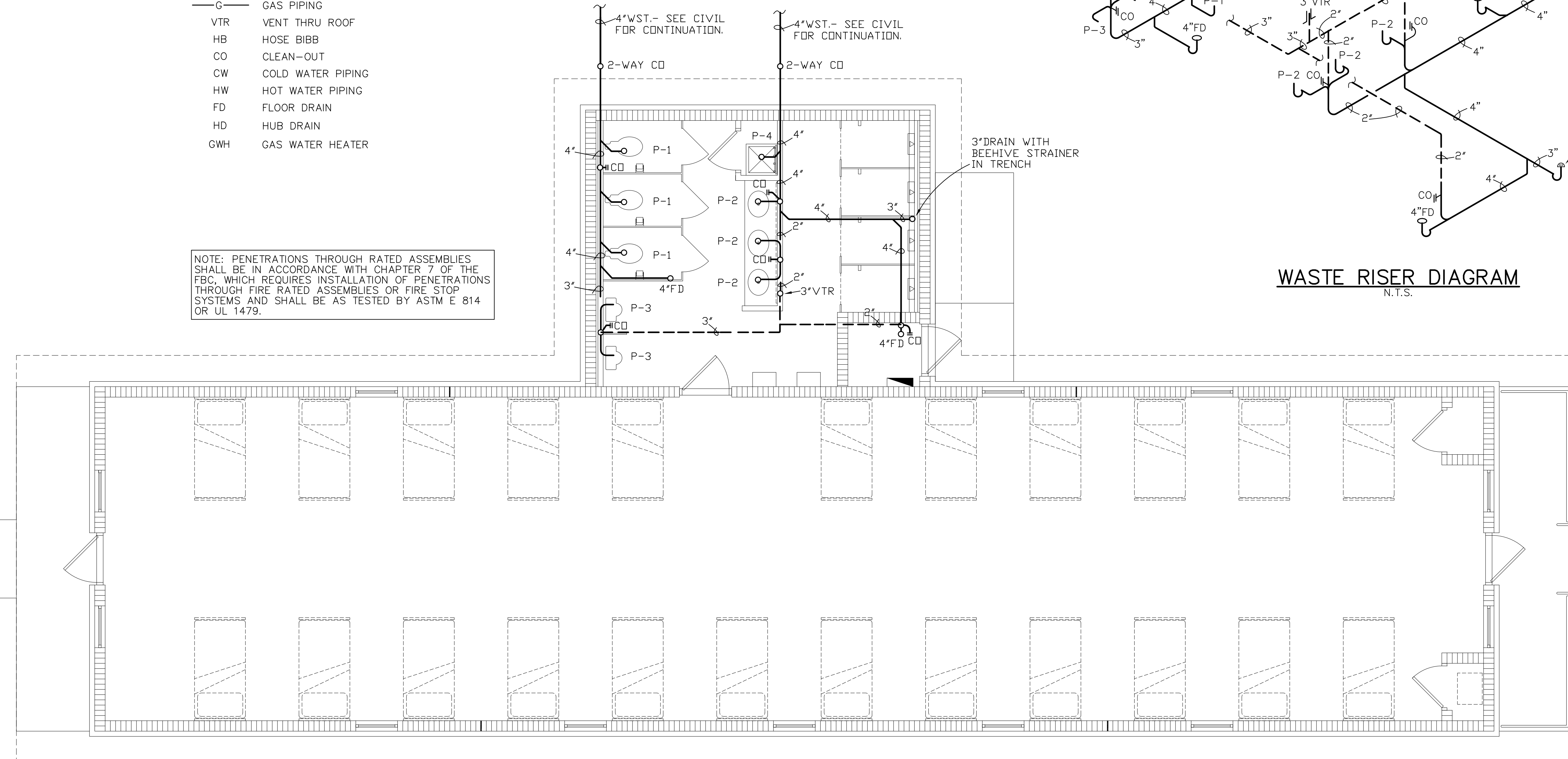
LEGEND

- WASTE PIPING
- - - VENT PIPING
- COLD WATER PIPING
- HOT WATER PIPING
- ⊘ BALL VALVE
- ⊘ CHECK VALVE
- UNION
- G GAS PIPING
- VTR VENT THRU ROOF
- HB HOSE BIBB
- CO CLEAN-OUT
- CW COLD WATER PIPING
- HW HOT WATER PIPING
- FD FLOOR DRAIN
- HD HUB DRAIN
- GWH GAS WATER HEATER

NOTE: PENETRATIONS THROUGH RATED ASSEMBLIES SHALL BE IN ACCORDANCE WITH CHAPTER 7 OF THE FBC, WHICH REQUIRES INSTALLATION OF PENETRATIONS THROUGH FIRE RATED ASSEMBLIES OR FIRE STOP SYSTEMS AND SHALL BE AS TESTED BY ASTM E 814 OR UL 1479.

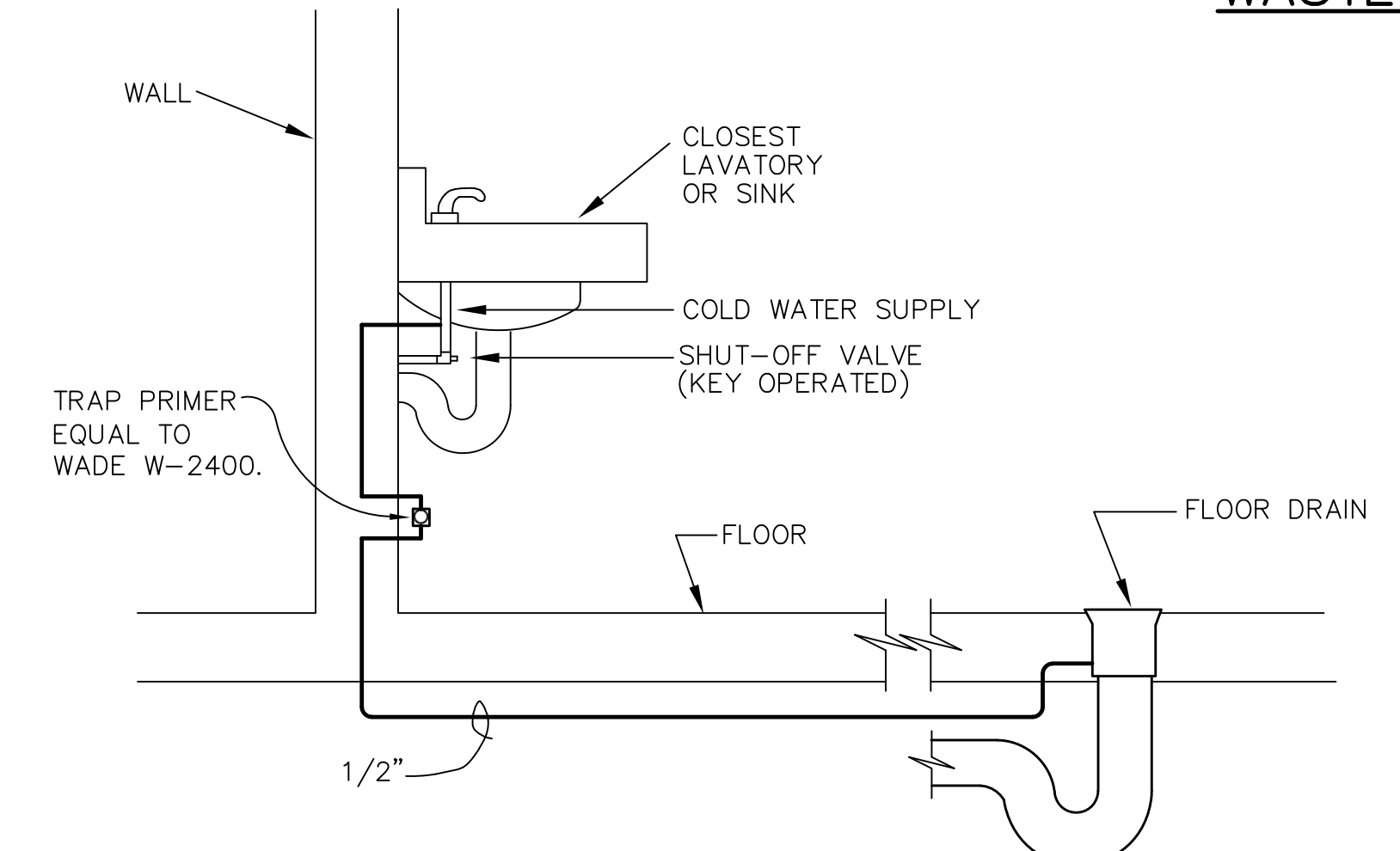


WASTE RISER DIAGRAM
N.T.S.



TYPICAL FOR BLDGS. 2109, 2111, 2112 & 2113
WASTE PIPING PLAN— MIRROR IMAGE FOR BLDG. 2108
SCALE: 1/4" = 1'-0"

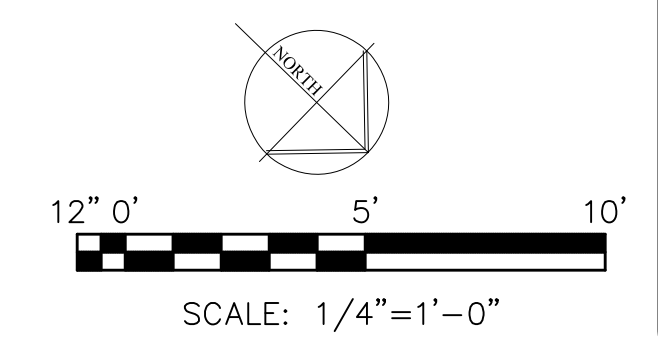
NOTE: CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY DEMO. OR NEW WORK.



TRAP PRIMER DETAIL
N.T.S.

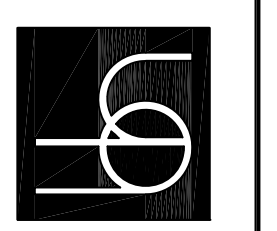
MARK	DESCRIPTION	CONNECTIONS			REMARKS
		CW	HW	W	
P-1	WATERCLOSET	1"	-	4"	FLR. MOUNTED, FLUSH VALVE, 1.28 GPF 15" HIGH BOWL
* P-2	LAVATORY	1/2"	1/2"	1-1/4"	OVAL COUNTER-TOP, LEVERED FCT., .50 GPM
P-3	URINAL	1"	-	2"	WALL HUNG, FLUSH VALVE, .50 GPF
P-4	MOP SINK	1/2"	1/2"	2"	CORNER FLOOR TYPE, WALL FCT. W/ VACUUM BKR.
P-5	SHOWER	1/2"	1/2"	3"	PRESS. BAL. V., SINGLE LEV., SET @ 110°F., 1.5 GPM
4"FD	FLOOR DRAIN	1/2"	-	4"	PROVIDED W/ TRAP PRIMER
HB	HOSE BIBB	3/4"	-	-	WALL TYPE WITH VACUUM BKR.

* PROVIDE THERMOSTATIC MIXING VALVE EQUAL TO SYMMONS MODEL 5-225-CK-MS UNDER LAVATORY AND SET AT 110°F.



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CERT. NO. BB-5440



Renovations to 2100 Area Barracks
Camp Blanding Joint Training Center
Starke, Florida
CFMO PROJECT NO: 218042

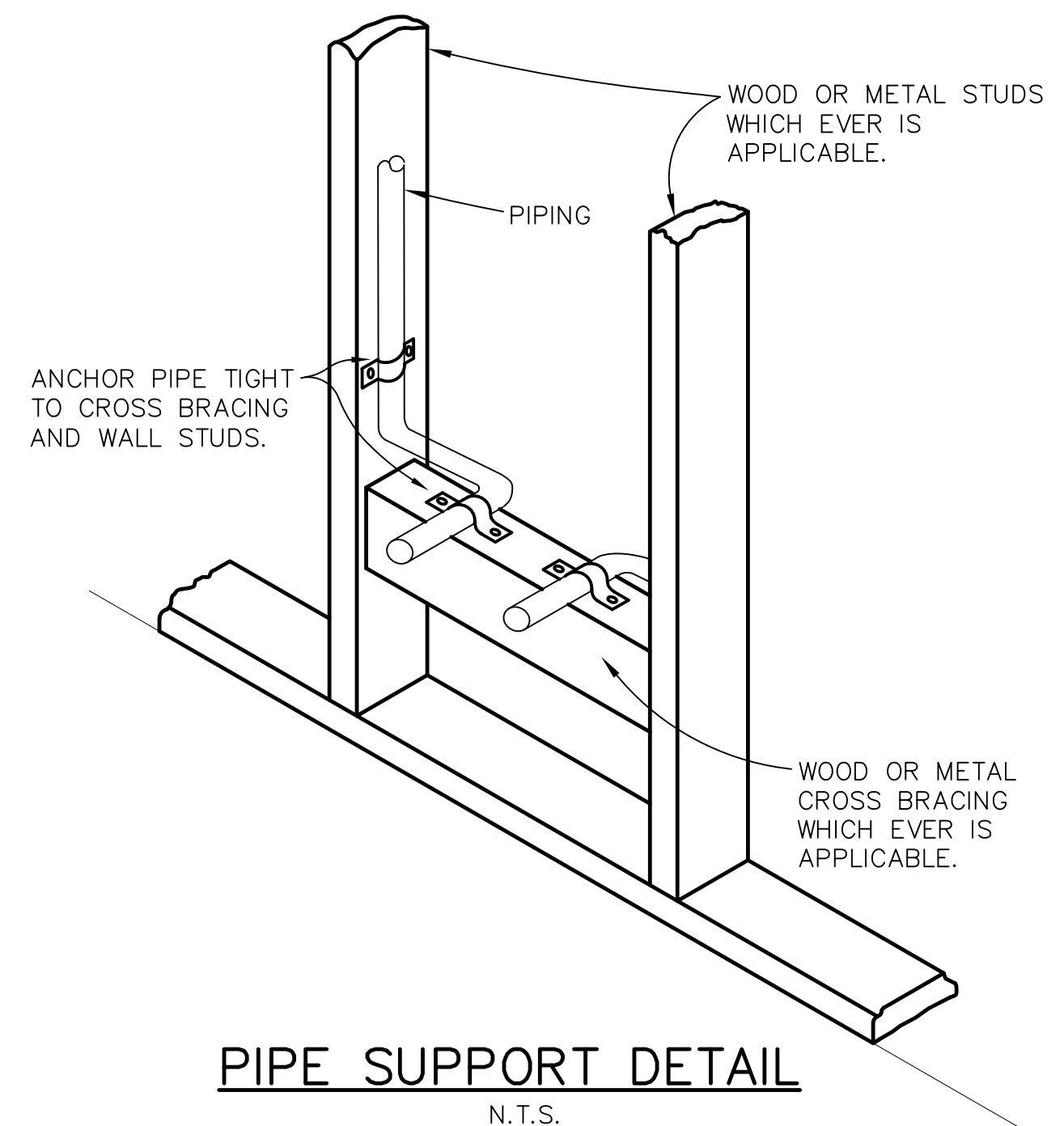
Engineer License No.
Wayne C. Kelly 18451

REVISIONS	DATE	DESCRIPTION

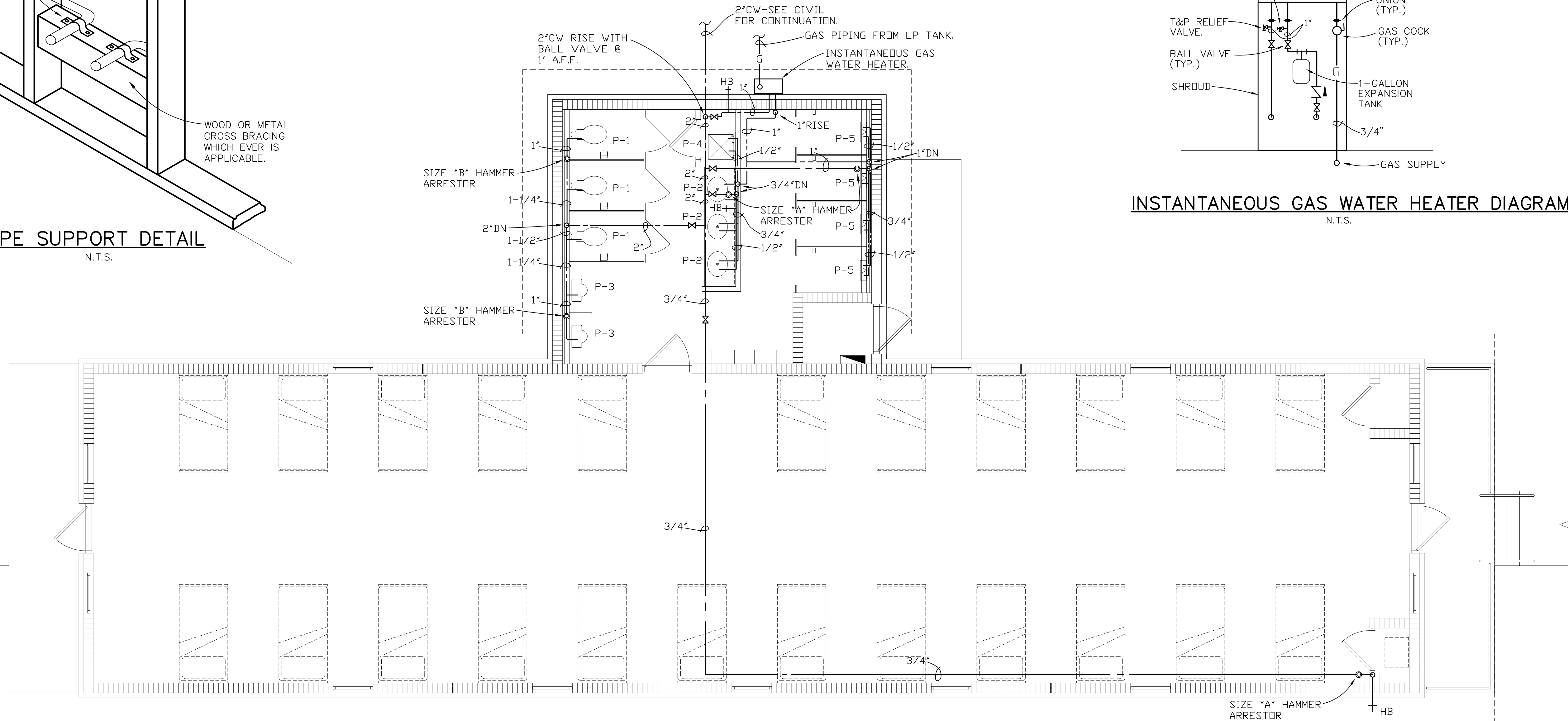
WASTE PIPING PLAN

DATE: 4-17-2020
D.B.: SHF
C.B.: WCK
JOB NO.: 18038

P-1
BID SUBMITTAL

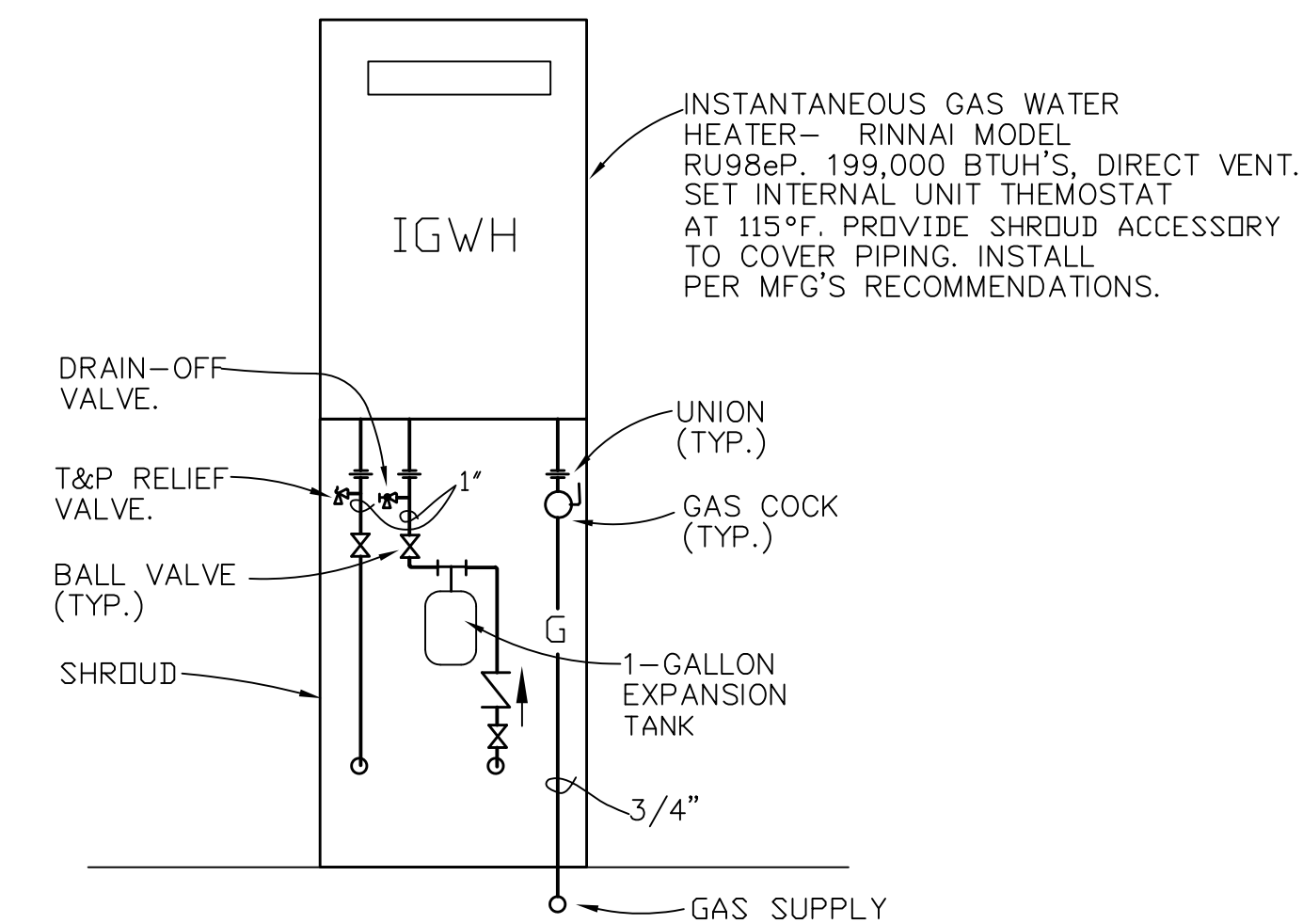


PIPE SUPPORT DETAIL
N.T.S.

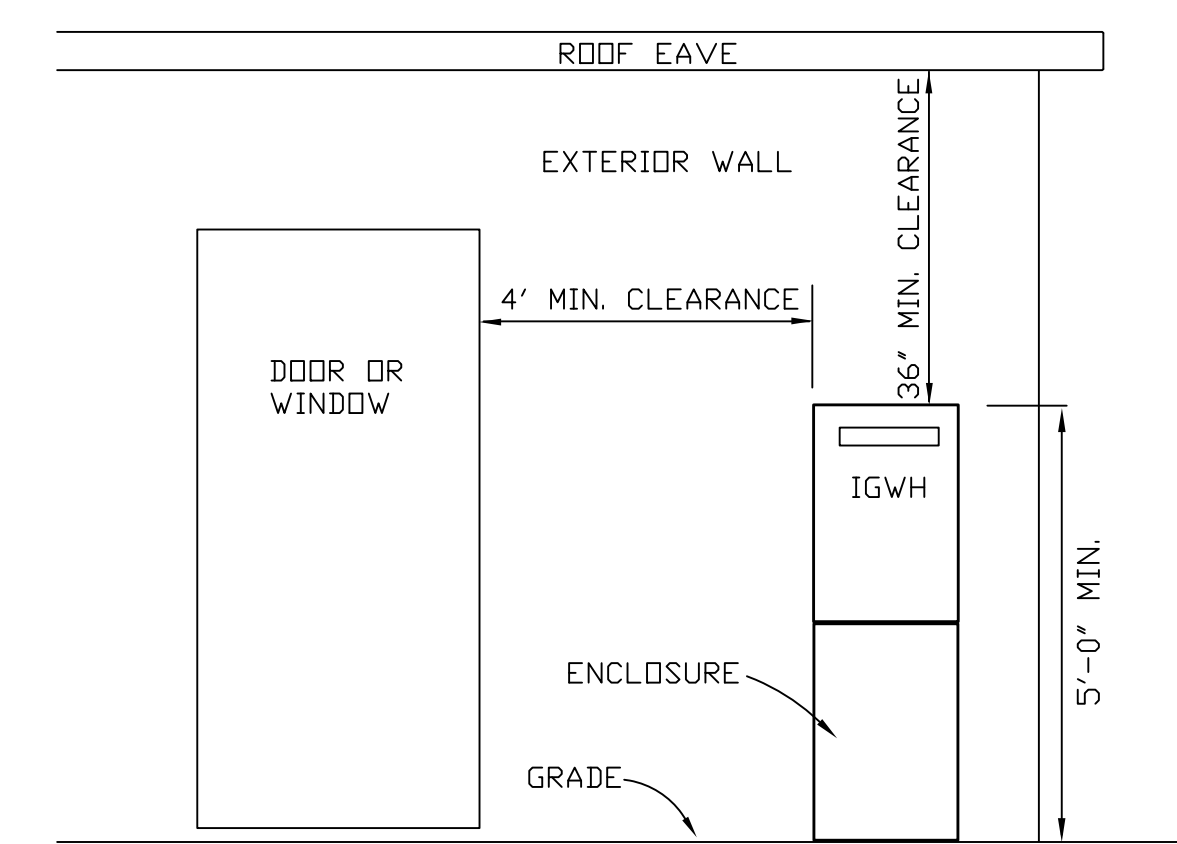


TYPICAL FOR BLDGS. 2109, 2111, 2112 & 2113
WATER PIPING PLAN- MIRROR IMAGE FOR BLDG. 2108
SCALE: 1/4" = 1'-0"

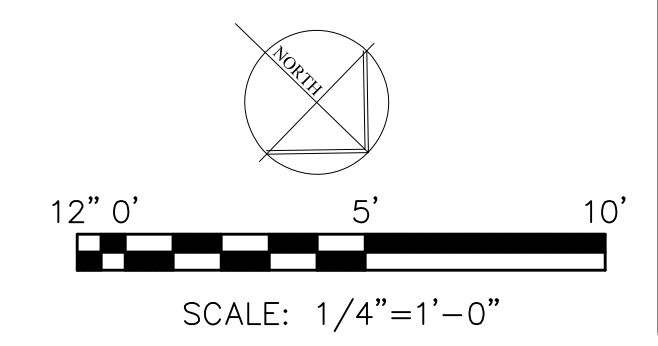
- DESIGN BASIS:**
- P-1 WATERCLOSET (FLOOR MTD., FLUSH VALVE) AMERICAN STANDARD MODEL 2234.015 WITH K-4562 BOLT CAPS, BEMIS MODEL 1955CT (OPEN FRONT) BLACK SOLID PLASTIC SEAT WITH CHECK HINGE AND SLOAN ROYAL 111 FLUSH VALVE. FLANGES SHALL BE PVC WITH STAINLESS STEEL RING ANCHORED TO CONCRETE.
 - P-2 LAVATORY (OVAL CTR. TOP, LEVERED FAUCET) AMERICAN STANDARD MODEL 9020.444 SELF RIMMING WITH 4" FAUCET CENTER. PROVIDE DELTA MODEL PEERLESS FAUCET AND K-7606 3/8" ANGLE SUPPLIES WITH STOPS, ALSO K-8998 1-1/4" CAST BRASS P-TRAP AND TUBING OUTLET. PROVIDE TRUEBRO #102W INSULATION KIT.
 - P-3 URINAL (WALL HUNG) AMERICAN STANDARD MOD. 6501.015, 3/4" TOP SPUD. TOP OF URINAL LIP AT 24" ABOVE FINISHED FLOOR. SLOAN ROYAL 186.1 FLUSH VALVE.
 - P-4 MOP BASIN (CORNER, FLR. TYPE) FIAT MOD. TSBC-1610 WITH 889-CC, 832-AA ACCESSORIES. PROVIDE CHICAGO MODEL 897-RCF.
 - P-5 SHOWER TRIM- PROVIDE SYMMONS 96-1-X SHOWER SYSTEM CONSISTING OF A PRESSURE BALANCING MIXING VALVE, SHOWER HEAD, ARM AND FLANGE. SET OUTLET TEMPERATURE AT 110°F. PROVIDE KOHLER MODEL K-9132 STRAINER.
 - 4"FD- SIOUX CHIEF MODEL NO. 832-4DNR-V CAST IRON FLOOR DRAIN W/ FLANGE, AND 1/2" TRAP PRIMER CONNECTION. TRAP PRIMER SHALL BE INSTALLED ON COLD WATER SUPPLY SERVING SINK IN SAME ROOM OR NEAREST SINK AVAILABLE.
 - HB- HOSE BIBB - CHICAGO MODEL NO. 387 OR 387LF (AS APPLICABLE) WITH E27 IN-LINE BACKFLOW PREVENTER AND REMOVABLE TEE HANDLE.



INSTANTANEOUS GAS WATER HEATER DIAGRAM
N.T.S.

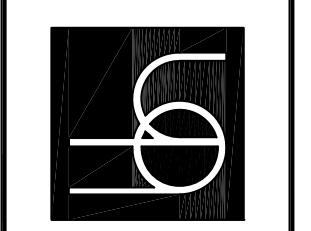


INSTANTANEOUS GAS WATER HEATER DETAIL
N.T.S.



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CERT. NO. EB-840



Renovations to 2100 Area Barracks
Camp Blanding Joint Training Center
Stark, Florida
CFMO PROJECT NO: 218042

Engineer License No.
Wayne C. Kelly 18451

REVISIONS

WATER PIPING PLAN

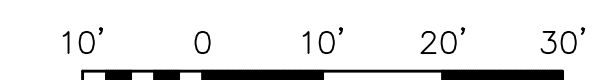
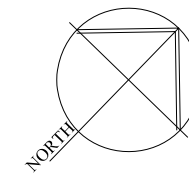
DATE	4-17-2020
D.B.	SHF
C.B.	WCK
JOB NO.	18038
P-2	
BID SUBMITTAL	

GAINESVILLE ST.

PALATKA ST.

ELECTRICAL SITE PLAN

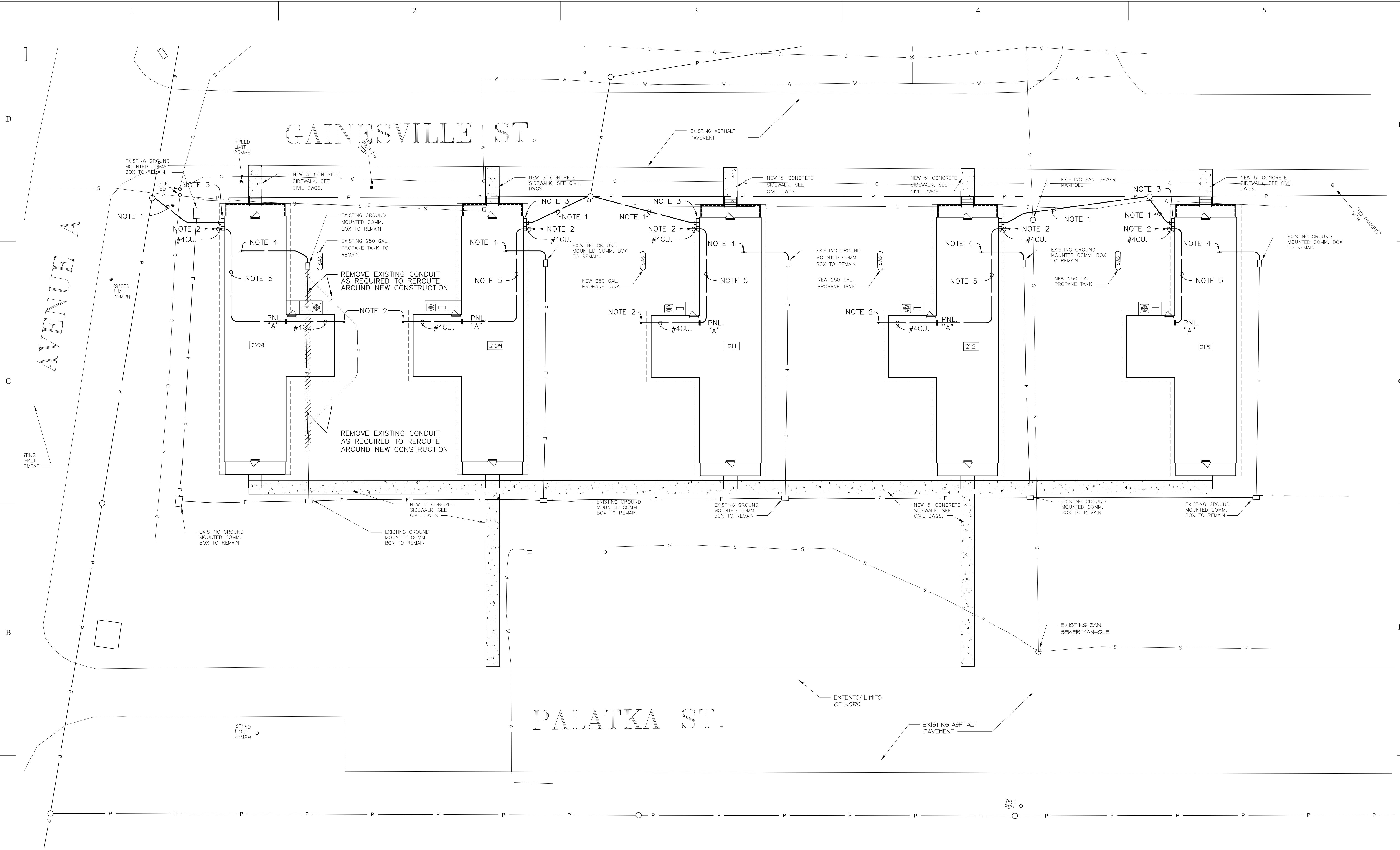
SCALE: 1/16" = 1'-0"



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

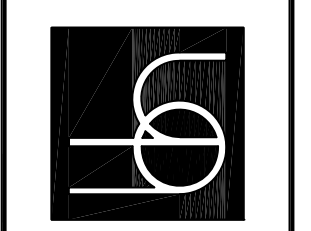
NOTES:

1. PROVIDE UNDERGROUND SERVICE LATERAL, 2-1/2" PVC, 3#3/0 THW. EXTEND DROP UP POLE TO 24" BELOW POLE TRANSFORMER WITH WEATHERHEAD AND 10 FEET OF SLACK CONDUCTOR FOR FINAL CONNECTION BY CBJTC PERSONNEL.
2. PROVIDE COPPER GROUND ROD, 3/4" X 20'.
3. PROVIDE COMBINATION METER SOCKET/MAIN CIRCUIT BREAKER, 120/240V, 1Ø, 3W, WITH 200A MAIN CIRCUIT BREAKER AND 4 JAW SOCKET AND METER, LANDIS GYR OR CBJTC APPROVED EQUAL.
4. PROVIDE 2" PVC COMMUNICATION CONDUIT FROM COMM. BACKBOARD TO COMM. HANDHOLE WITH PULL WIRE.
5. PROVIDE UNDERGROUND SERVICE ENTRANCE, 2" PVC, 3#3/0 THW & 1#6 GRD.



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**Renovations to 2100 Area Barracks
 Camp Blanding Joint Training Center
 Starke, Florida**

CFMO PROJECT NO: 218042

Engineer License No.
 Larry M. Carney FL 33624

REVISIONS	DATE	BY	CHKD

ELECTRICAL SITE PLAN	
DATE	4-17-2020
D.B.	MVCE
C.B.	LMC
JOB NO.	18038

ES-1
 BID SUBMITTAL

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	1'X4' LED FIXTURE, CEILING MOUNTED
	2'X2' LED FIXTURE, CEILING MOUNTED W/EMERGENCY BACKUP
	4' LED INDUSTRIAL STRIP FIXTURE, WALL MOUNTED
	2'X4' LED FIXTURE, CEILING MOUNTED W/EMERGENCY BACKUP
	15" DIAMTER FLAT PANEL LED FIXTURE, CEILING MOUNTED
	EXTERIOR LED FIXTURE, WALL MOUNTED
	EXIT LIGHT, UNIVERSAL MOUNTING WITH DIRECTIONAL ARROWS IF APPLICABLE
S, S ³ , S ⁴	SWITCH, SINGLE POLE, THREE WAY AND FOUR WAY RESPECTIVELY, 4'-0" TO TOP AFF.
S ⁰	SWITCH, OCCUPANCY SENSOR TYPE, 4'-0" TO TOP A.F.F.
S ^M	SWITCH, MOTOR RATED, 2 POLE, 4'-0" TO TOP AFF.
	OCCUPANCY SENSOR, CEILING MOUNT, LOW VOLTAGE DUAL TECHNOLOGY, WITH RELAY POWER PACK, AUTOMATIC ON TYPE.
	RELAY POWER PACK FOR USE WITH OCCUPANCY SENSOR, 120V, 20A
	DUPLEX RECEPTACLE, 18" TO CENTER AFF UNLESS NOTED OTHERWISE.
	DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER
	QUADRUPLEX RECEPTACLE
	COMMUNICATION OUTLET BOX ONLY WITH 1" CONDUIT TURNED OUT ABOVE CEILING TO 3' FROM WALL. TAPE CONDUIT END CLOSED. MOUNT OUTLET 18" TO CENTER AFF UNLESS NOTED OTHERWISE
	PANELBOARD, 240V
	JUNCTION BOX
	ELECTRICAL CONNECTION
	NON-FUSED DISCONNECT SWITCH, SIZED TO MATCH FEEDER
	FUSED DISCONNECT SWITCH WITH FUSE SIZE INDICATED
	MANUAL MOTOR STARTER
	MOTOR
	WIRING, CONCEALED ABOVE CEILING OR IN WALL
	WIRING, UNDERGROUND OR UNDER FLOOR
	WIRING, EXPOSED
	HOMERUN - HASH MARKS INDICATE NUMBER OF CONDUCTORS, #12 AWG IN CABLE OR 1/2" CONDUIT. SIZE CONDUIT FOR CONDUCTORS INSTALLED UNLESS NOTED OTHERWISE. GROUND CONDUCTORS NOT INDICATED. LETTER AND NUMBER INDICATES PANEL AND CIRCUIT NUMBER.
	WIRING, LOW VOLTAGE CONTROL TYPE, IN RACEWAY OR PLENUM CABLE TYPE
	FIRE ALARM PULL STATION, 4'-0" TO TOP AFF.
	FIRE ALARM HORN/STROBE, 80" TO BOTTOM AFF
	FIRE ALARM STROBE, 80" TO BOTTOM AFF
	FIRE ALARM LOW FREQUENCY SOUNDER/STROBE, 80" TO BOTTOM AFF
	FIRE ALARM SMOKE DETECTOR, CEILING MOUNTED
	FIRE ALARM HEAT DETECTOR
AFI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
EF	EXHAUST FAN
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
GFI	GROUND FAULT CIRCUIT INTERRUPTER
HP	HORSE POWER
HPU	HEAT PUMP UNIT
MS	MINI SPLIT
WP	WEATHERPROOF
212	ROOM NUMBER

GENERAL ELECTRICAL NOTES:

- ALL ELECTRICAL WORK SHALL BE PERFORMED ACCORDING TO THE NATIONAL ELECTRICAL CODE, 2014 EDITION AND THE FLORIDA BUILDING CODE, SIXTH EDITION.
- ALL ELECTRICAL MATERIALS SHALL BEAR A UL LABEL.
- ALL ELECTRICAL WORK TO OBTAIN ELECTRIC SERVICE FROM THE LOCAL UTILITY SHALL BE PERFORMED ACCORDING TO THE RULES AND REGULATIONS AND OTHER REQUIREMENTS AS DETERMINED BY THE LOCAL UTILITY. CONTACT THE UTILITY TO OBTAIN THE LATEST REQUIREMENTS.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE (MEANING FURNISH AND INSTALL) ELECTRICAL DISCONNECTS, FUSED OR NON-FUSED, AND/OR MOTOR STARTERS OR VARIABLE FREQUENCY DRIVES, COMBINATION OR SEPARATE, AS REQUIRED BY THE NEC FOR ALL MECHANICAL EQUIPMENT, BOTH HVAC AND PLUMBING.
- PROVIDE PLASTIC WARNING TAPE OVER ALL BURIED ELECTRICAL LINES AT 6" BELOW FINISHED GRADE.
- PROVIDE BLANK PLATES ON ALL OUTLET BOXES PROVIDED FOR FUTURE DEVICES.
- PROVIDE GALVANIZED STEEL PIPE OR CHANNEL TO CONSTRUCT EQUIPMENT SUPPORTS WHERE EVER DISCONNECTS OR STARTERS CAN NOT BE WALL MOUNTED.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE RECORD DRAWINGS TO THE ARCHITECT TO REVIEW WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE AS REQUIRED BY THE FLORIDA BUILDING CODE, ENERGY CONSERVATION.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE OPERATION AND MAINTENANCE MANUALS THROUGH THE ARCHITECT TO THE OWNER AS REQUIRED BY THE FLORIDA BUILDING CODE, ENERGY CONSERVATION.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR TO DETERMINE THE NAMEPLATE RATINGS OF ALL INSTALLED MECHANICAL EQUIPMENT. EQUIPMENT CIRCUITS INCLUDING BUT NOT LIMITED TO CONDUIT, WIRE, DISCONNECTS, FUSES AND CIRCUIT BREAKERS SHALL BE ADJUSTED TO MATCH THE NAMEPLATE RATINGS AT NO ADDITIONAL COST TO THE OWNER.
- ALL WIRING SHALL BE COPPER CONDUCTORS INSTALLED IN NEC DEFINED RACEWAYS OR CABLE AS ALLOWED BY THE FBC, 5TH EDITION OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION. FOR WIRING PURPOSES BUILDING OCCUPANCY IS BUSINESS, CONSTRUCTION TYPE IS V-B.

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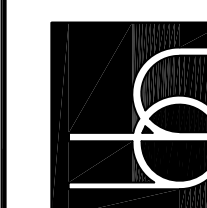
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**Renovations to 2100 Area Barracks
 Camp Blanding Joint Training Center
 Starke, Florida**

CFMO PROJECT NO: 218042

Engineer License No.
 Larry M. Carney FL 33624

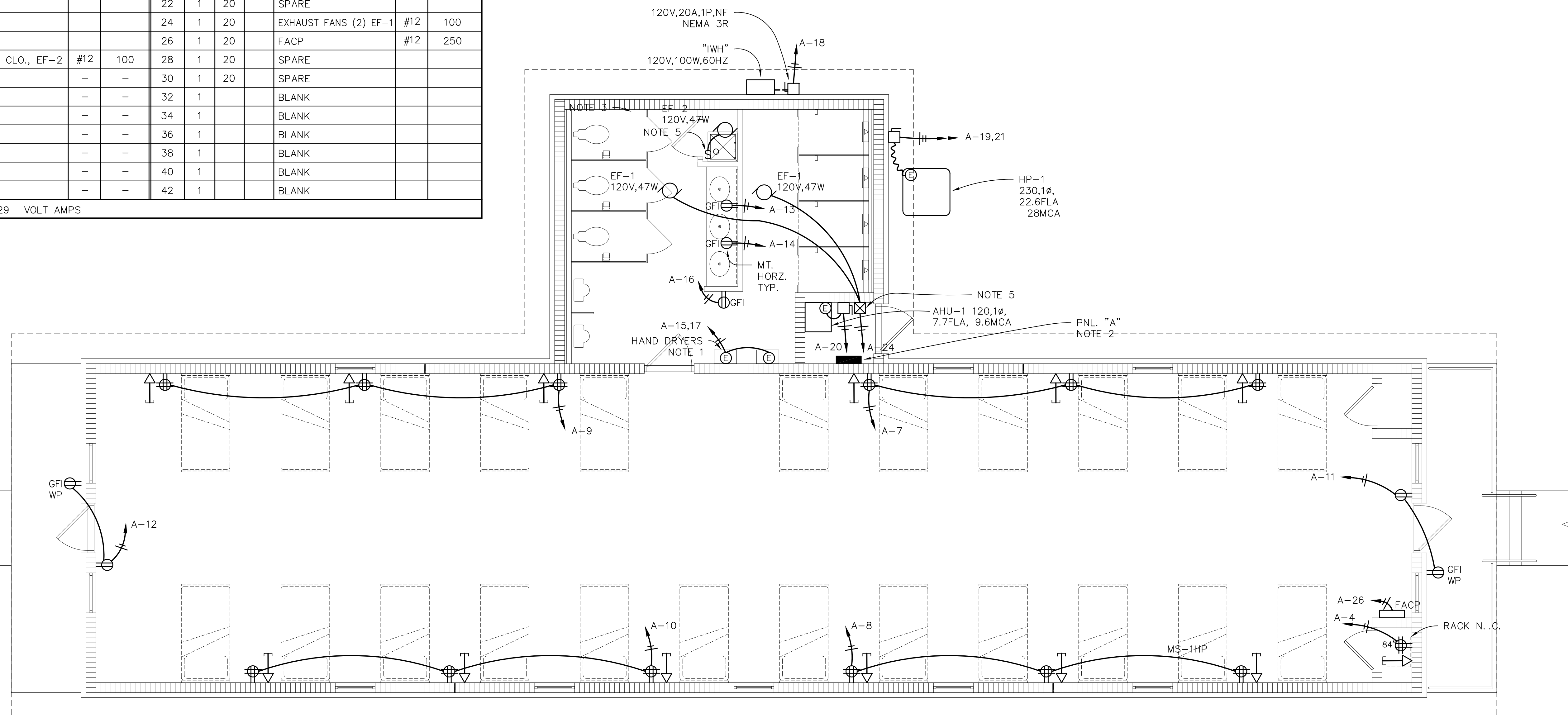
REVISIONS

ELECTRICAL LEGEND & NOTES

DATE 4-17-2020
 D.B. MVCE
 C.B. LMC
 JOB NO. 18038

E-1
 BID SUBMITTAL

PANEL "A"													
120/240V, 1Ø, 3W, SN 200A MLO, 42,000 AIC						SURFACE MOUNTED BOLT-ON BREAKERS							
CKT. NO.	POLE	TRIP	TYPE	REMARKS	WIRE SIZE	VOLT AMP	POLE	TRIP	TYPE	REMARKS	WIRE SIZE	VOLT AMP	
1	1	20	AFI	LTG. LATRINE	#12	551	2	1	20	AFI	LTG. BUNK ROOMS	#12	1640
3	1	20		LTG. PORCHES	#12	280	4	1	20	AFI	RECPT. IT RACK	#12	180
5	1	20	AFI	SPARE			6	1	20	AFI	SPARE		
7	1	20	AFI	RECPTS. BUNK ROOM	#12	1080	8	1	20	AFI	RECPTS. BUNK ROOM	#12	1080
9	1	20	AFI	RECPTS. BUNK ROOM	#12	1080	10	1	20	AFI	RECPTS. BUNK ROOM	#12	1080
11	1	20	AFI	RECPTS. NORTH END	#12	360	12	1	20	AFI	RECPTS. SOUTH END	#12	360
13	1	20		RECPT. LATRINE	#12	1200	14	1	20		RECPT. LATRINE	#12	1200
15	1	20	GFI	HAND DRYER	#12	530	16	1	20		RECPT. LATRINE	#12	180
17	1	20	GFI	HAND DRYER	#12	530	18	1	20		IWH	#12	100
19	2	40		CU-1	#10	5424	20	1	15		AHU-1	#12	924
21							22	1	20		SPARE		
23	1			BLANK			24	1	20		EXHAUST FANS (2) EF-1	#12	100
25	1			BLANK			26	1	20		FACP	#12	250
27	1	20		LTG. JAN. CLO., EF-2	#12	100	28	1	20		SPARE		
29	1	20		SPARE			30	1	20		SPARE		
31	1			BLANK			32	1			BLANK		
33	1			BLANK			34	1			BLANK		
35	1			BLANK			36	1			BLANK		
37	1			BLANK			38	1			BLANK		
39	1			BLANK			40	1			BLANK		
41	1			BLANK			42	1			BLANK		
TOTAL CONNECTED LOAD = 18,229 VOLT AMPS													

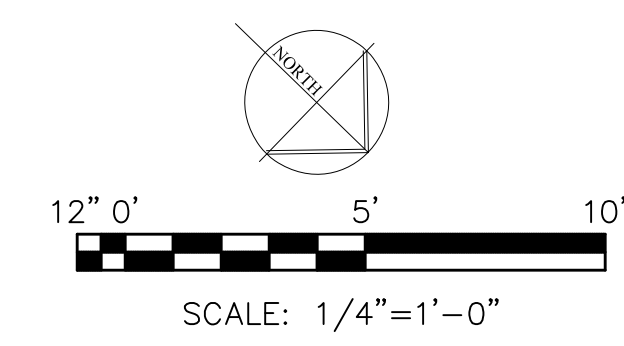


NOTES:

- PROVIDE HAND DRYER, 120V, 4.5A, 530W EACH. XLERATOR MODEL XL-GR-ECO-120V, OR APPROVED EQUAL.
- PANEL "A", 120/240V, 1Ø, 3W, SN, 200A MCB.
- MOTOR CONTACTOR, 120V, 20A, 2 POLE, 24 VOLT COIL. TO BE CONTROLLED BY AHU THERMOSTAT.
- PROVIDE NEW DUAL TECHNOLOGY, DUAL RELAY, DUAL CIRCUIT OCCUPANCY SENSOR SWITCH AND CONNECT LIGHTING AND EXHAUST FAN LOADS.
- PROVIDE 120V, MAGNETIC MOTOR CONTROLLER WITH HAND-OFF-AUTO SWITCH TO CONNECT EXHAUST FANS EF-1. INTERLOCK CONTROLLER WITH ROOM LIGHTING CONTROLLER TO OPERATE FANS WHEN EVER ROOM IS OCCUPIED.

BARRACKS FLOOR PLAN

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



BHIDE & HALL ARCHITECTS, P.A.
 1339 KINGSLEY AVENUE, SUITE C ORANGE PARK, FLORIDA 32073 PH: (904) 264-1919 LIC. NO. AA 000869
M.V. CUMMINGS ENGINEERS, INC.
 6615 W. UNIVERSITY BLVD., SUITE 100 GAINESVILLE, FLORIDA 32611
 TEL: (352) 335-4600 FAX: (352) 335-4601 LIC. NO. EC 000140

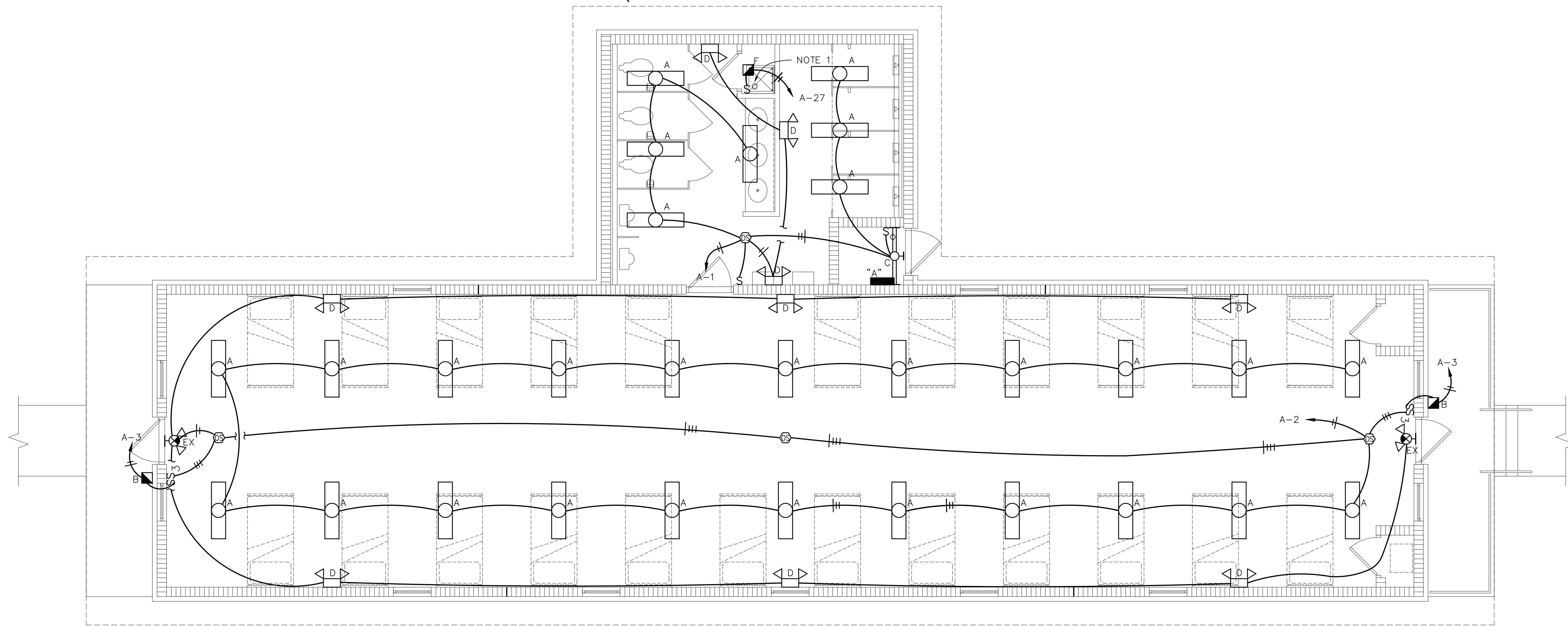
**Renovations to 2100 Area Barracks
 Camp Blanding Joint Training Center
 Starke, Florida**
 CFMO PROJECT NO: 218042

Engineer	License No.
Larry M. Carney	FL 33624

DATE	4-17-2020
D.B.	MVCE
C.B.	LMC
JOB NO.	18038

E-2
BID SUBMITTAL

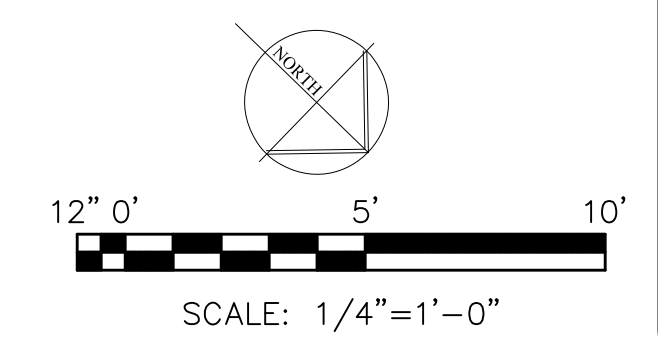
LIGHTING FIXTURE SCHEDULE						
TYPE	MANUFACTURER	CAT. NO.	LAMP	MOUNTING	VOLTS/WATTS	REMARKS
A	H.E. WILLIAMS	AVX-4-L62/835-WPC-EM/10WLP-DIM-UNV	LED	CEILING SURFACE	120/73	
B	HUBBELL	LMC-30LU--4K-3-1-SCP	LED	WALL	120/70	
C	H.E. WILLIAMS	75-4-L65/840-WG-75-DRV-UNV	LED	SURFACE	120/49	
D	BEGHELLI	PEH-1-AT	LED	WALL/CEILING	120/5	2 LAMP LED EMERG FIXTURE W/BATTERY
EX	BEGHELLI	ATX HT LR 1 U	LED	WALL/CEILING	120/2	
F	LITON	LCMPD12Q-W-T40	LED	WALL/CEILING	120/22	



NOTES:

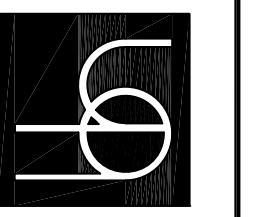
1. PROVIDE NEW DUAL TECHNOLOGY, DUAL RELAY, DUAL CIRCUIT OCCUPANCY SENSOR SWITCH AND CONNECT LIGHTING AND EXHAUST FAN LOADS.

BARRACKS FLOOR PLAN
SCALE: 1/4" = 1'-0"



BHIDE & HALL ARCHITECTS, P.A.
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M.V. CUMMINGS ENGINEERS, INC. CONSULTING ENGINEERS
1600 W. UNIVERSITY BLVD., SUITE 1000 GAINESVILLE, FLORIDA 32611
TELEPHONE (352) 724-4600 CERT. NO. EB-5400



**Renovations to 2100 Area Barracks
Camp Blanding Joint Training Center
Stark, Florida**

CFMO PROJECT NO.: 218042

Engineer License No.
Larry M. Carney FL 33624

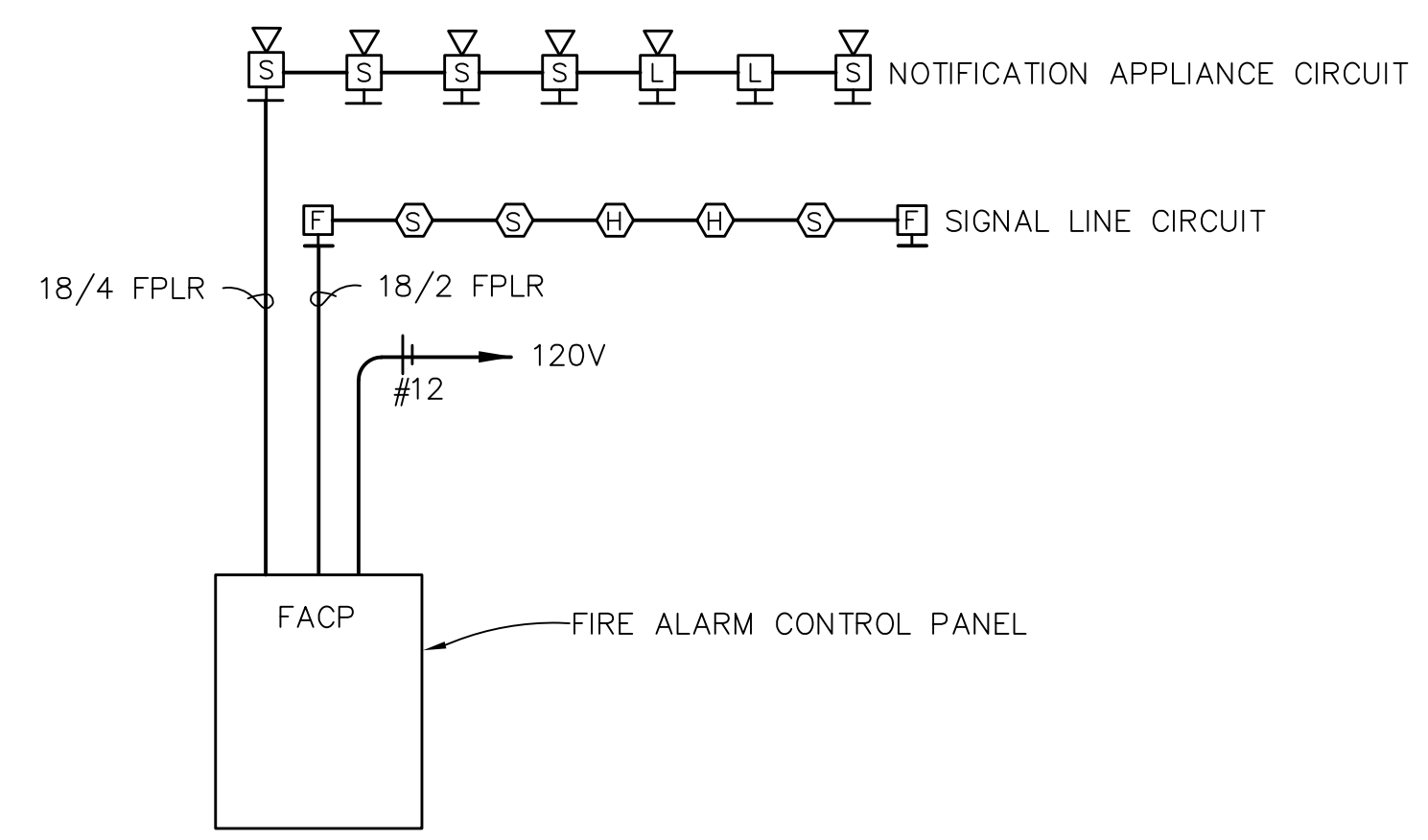
LIGHTING PLAN

DATE 4-17-2020
D.B. MVCE
C.B. LMC
JOB NO. 18038

E-3
BID SUBMITTAL

INPUT/OUTPUT MATRIX																															
SYSTEM INPUTS	SYSTEM OUTPUTS (SEE DESCRIPTIONS BELOW)																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MANUAL PULL STATION	X	X									X																		X	X	
AREA PHOTOELECTRIC SMOKE/HEAT DETECTOR	X	X									X																		X	X	
SMOKE DETECTOR WITH THERMAL AND LOW FREQUENCY SOUNDER																															
FACP, FAVP &/OR FARA SMOKE DETECTOR	X	X									X																	X	X		
DUCT TYPE SMOKE DETECTOR																															
HEAT DETECTOR	X	X									X																	X	X		
ANSUL SYSTEM																															
FIRE ALARM AC POWER FAILURE			X	X							X																				
FIRE ALARM SYSTEM LOW BATTERY						X	X				X																				
OPEN CIRCUIT						X	X				X																				
GROUND FAULT						X	X				X																				
NOTIFICATION APPLIANCE CIRCUIT SHORT						X	X				X																				
FLOW VALVE																															
RISER TAMPER SWITCH																															

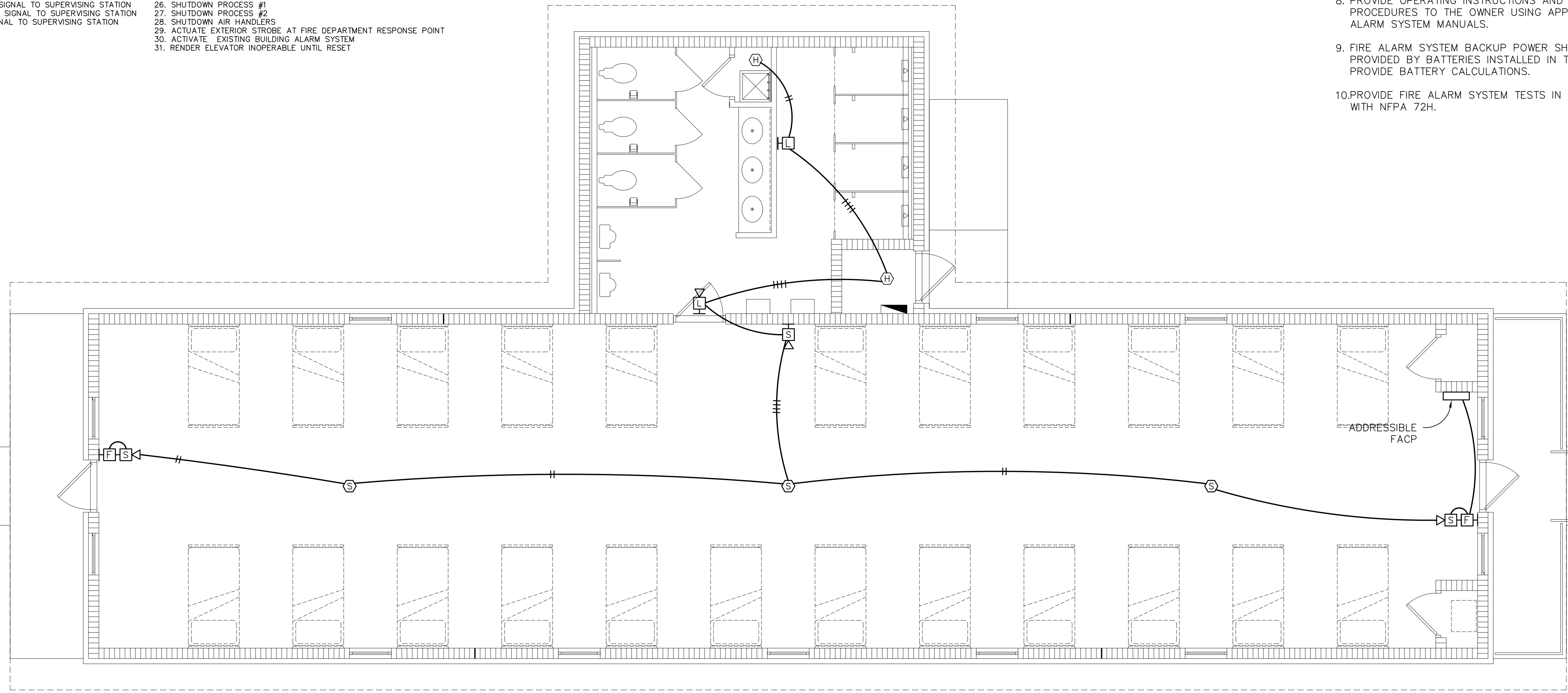
- CONTROL UNIT ANNUNCIATION**
- ACTUATE COMMON ALARM SIGNAL INDICATOR
 - ACTUATE AUDIBLE ALARM SIGNAL
 - ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR
 - ACTUATE AUDIBLE SUPERVISORY SIGNAL
 - ACTUATE COMMON TROUBLE SIGNAL INDICATOR
 - ACTUATE AUDIBLE COMMON TROUBLE SIGNAL
 - ACTUATE 1ST FLOOR (ZONE 1) ALARM INDICATOR
 - ACTUATE 1ST FLOOR (ZONE 2) ALARM INDICATOR
 - ACTUATE 1ST FLOOR (ZONE 3) ALARM INDICATOR
- NOTIFICATION**
- ACTUATE FIRST FLOOR EVACUATION SIGNALS
 - DISPLAY/PRINT CHANGE OF STATUS
 - TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATION
 - TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION
 - TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION
- REQUIRED FIRE SAFETY CONTROL**
- RELEASE MAGNETICALLY HELD FIRE DOORS
 - RECALL ELEVATORS TO PRIMARY RECALL FLOOR
 - RECALL ELEVATORS TO ALTERNATE RECALL FLOOR
 - CLOSE SMOKE/FIRE DAMPERS IN RATED WALLS
 - ACTUATE FIRST FLOOR SMOKE EXHAUST
 - UNLOCK EXITS
 - ACTUATE SUPPRESSION SYSTEM PREDISCHARGE ALARMS
 - INITIATE SUPPRESSION SYSTEM RELEASING SEQUENCE
 - ENERGIZE RELEASING SOLENOIDS
- SUPPLEMENTARY**
- ACTUATE GRAPHICS SYSTEM - DISPLAY FLOOR MAP
 - PRESSURIZE STAIRWELLS
 - SHUTDOWN PROCESS #1
 - SHUTDOWN PROCESS #2
 - SHUTDOWN AIR HANDLERS
 - ACTUATE EXTERIOR STROBE AT FIRE DEPARTMENT RESPONSE POINT
 - ACTUATE EXISTING BUILDING ALARM SYSTEM
 - RENDER ELEVATOR INOPERABLE UNTIL RESET



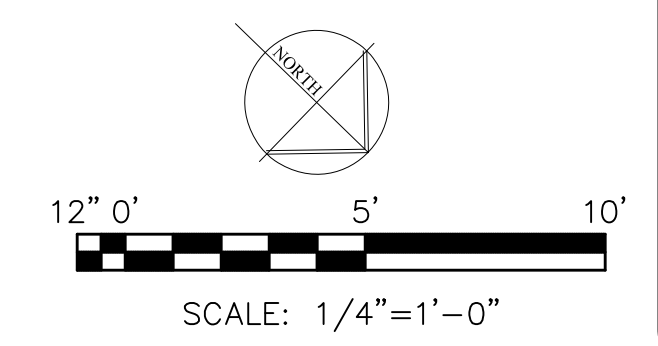
FIRE ALARM SINGLE LINE DIAGRAM

FIRE ALARM DESIGN CRITERIA

- SEE ELECTRICAL LEGEND FOR FIRE ALARM SYMBOL DEFINITIONS.
- LOCATE FIRE ALARM DEVICES AS SHOWN ON THE FLOOR PLANS AND AS REQUIRED BY ALL FIRE CODES.
- MINIMUM STROBE INTENSITY SHALL BE 75 Cd. MINIMUM SPEAKER OUTPUT RATING SHALL BE 90 dBA AT 10 FEET.
- THE FIRE ALARM SYSTEM SHALL BE AN ADDRESSABLE, MANUAL FIRE ALARM SYSTEM PER NFPA 72. ALL EQUIPMENT SHALL BE NEW.
- PROVIDE SURGE PROTECTIVE DEVICES FOR INITIATION AND NOTIFICATION CIRCUITS IN THE FACP.
- THE FIRE ALARM SYSTEM SHALL COMPLY WITH THE FLORIDA BUILDING CODE, SIXTH EDITION AND THE FLORIDA FIRE PREVENTION CODE, SIXTH EDITION.
- ALL FIRE ALARM WIRING SHALL BE INSTALLED IN CONDUIT.
- PROVIDE OPERATING INSTRUCTIONS AND MAINTENANCE PROCEDURES TO THE OWNER USING APPROPRIATE FIRE ALARM SYSTEM MANUALS.
- FIRE ALARM SYSTEM BACKUP POWER SHALL BE PROVIDED BY BATTERIES INSTALLED IN THE FACP. PROVIDE BATTERY CALCULATIONS.
- PROVIDE FIRE ALARM SYSTEM TESTS IN ACCORDANCE WITH NFPA 72H.

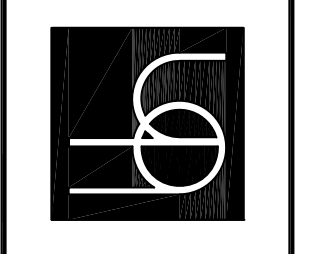


BARRACKS FLOOR PLAN
SCALE: 1/4" = 1'-0"



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**Renovations to 2100 Area Barracks
Camp Blanding Joint Training Center
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CFNO PROJECT NO: 218042

Engineer License No.
Larry M. Carney FL 33624

FIRE ALARM PLAN

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E-4
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