

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF MILITARY AND VETERANS' AFFAIRS

ANNVILLE, PENNSYLVANIA

JOSH SHAPIRO, GOVERNOR

MAJ. GEN. MARK J. SCHINDLER, THE ADJUTANT GENERAL

PROJECT NO.: 420591(88821)

BLDG. 11-89 TISA

ENERGY UPGRADES

ANNVILLE, LEBANON COUNTY, PENNSYLVANIA

DESIGN PROFESSIONALS:
OFFICE OF FACILITIES AND ENGINEERING
BUREAU OF DESIGN AND PROJECT MANAGEMENT
BUILDING 0-10, CHAPEL ROAD, FORT INDIANTOWN GAP
ANNVILLE, LEBANON COUNTY, PENNSYLVANIA

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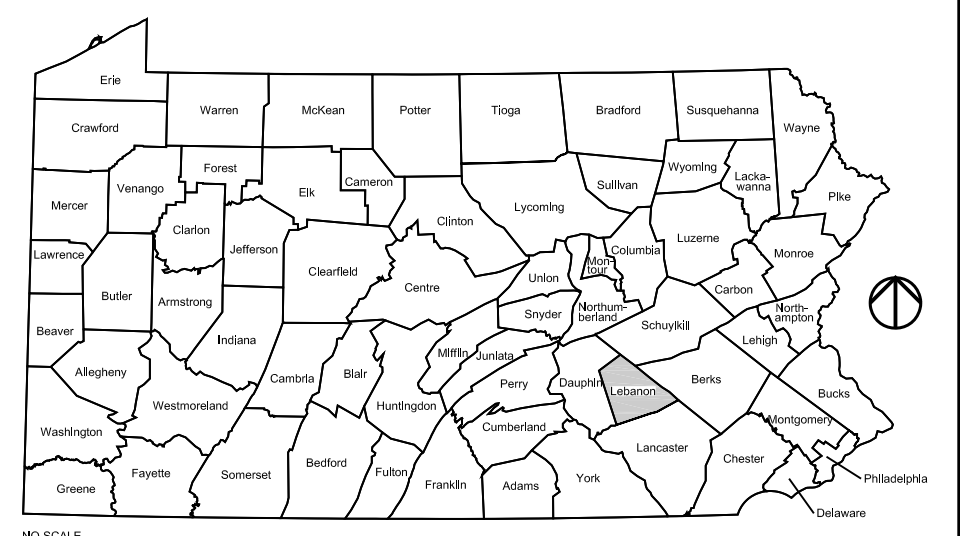
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CODE APPROVALS

PROJECT LOCATION MAP



VICINITY MAP



CAMPUS / KEY PLAN

NO.	DESCRIPTION	DATE

REVISIONS

Drawings Listed In Index:

BEA Electronic Approval DATE _____

Professional's Signature Date Professional's Signature Date

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DEPT. OF MILITARY & VETERANS' AFFAIRS
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PROJECT NO.: 420591(88821)

**BLDG. 11-89 TISA
ENERGY UPGRADES**

AREA 11, FT INDIANTOWN GAP, EAST HANOVER TWP
LEBANON COUNTY, PENNSYLVANIA

COVER SHEET

DRAWN BY M. MORRIS	DATE 29 APR 2024	DRAWING NO. G.1.1
CHECKED BY J. NYE	SCALE AS NOTED	

CODE APPROVALS

APPLICABLE CODES

TISA - BUILDING 11-89

UNIFORM CONSTRUCTION CODE, 2018 INTERNATIONAL BUILDING CODE, 2018 INTERNATIONAL MECHANICAL CODE, 2018 INTERNATIONAL PLUMBING CODE, 2023 ICC ELECTRICAL CODE, 2018 INTERNATIONAL ENERGY CONSERVATION CODE, ICC/ANSI A117.1-2017.

ABBREVIATIONS

A.B.V.	ABOVE	HORZ.	HORIZONTAL
A.F.F.	ABOVE FINISHED FLOOR	H.A.	HOSE BIB
ACT.	ACOUSTICAL TILE	I.D.	INSIDE DIAMETER
ADJ.	ADJUSTABLE	INSUL.	INSULATION OR INSULATED
A.C.	AIR CONDITIONING	INV.	INVERT
ALT.	ALTERNATE	LAM.	LAMINATED
ALUM.	ALUMINUM	L.	LENGTH
A.B.	ANCHOR BOLT	M.H.	MAN HOLE
@	AT	MFR.	MANUFACTURER
B.F.F.	BELOW FINISHED FLOOR	M.O.	MASONRY OPENING
B.G.	BELOW GRADE	MAT.	MATERIAL
B.M.	BENCH MARK	MAX.	MAXIMUM
BRG.	BRIDGING OR BEARING	M.C.	MECHANICAL CONTRACTOR
BD.	BOARD	M.D.F.	MEDIUM DENSITY FIBERBOARD
BOT.	BOTTOM	MTL.	METAL
B.L.	BUILDING LINE	M.T.	METAL THRESHOLD
BLDG.	BUILDING	MIN.	MINIMUM
CAB.	CABINET	MLDG.	MOLDING
CPT.	CARPET	NOML.	NOMINAL
C.I.	CAST IRON	N.J.C.	NOT IN CONTRACT
C.B.	CATCH BASIN	N.T.S.	NOT TO SCALE
CLS.	CEILING	NO.	NUMBER
C/C	CENTER TO CENTER	O.C.	ON CENTER
¢	CENTER LINE	OP.	OPENING
CER.	CERAMIC	O.W.	OPEN WEB
C.T.	CERAMIC TILE	OPP.	OPPOSITE
C.O.	CLEAN OUT	O.S.B.	ORIENTED STRAND BOARD
CLR.	CLEAR	O.D.	OUTSIDE DIAMETER
CLRD.C.M.U.	COLORLED CONCRETE MASONRY UNIT	PND.	PAINTED
COL.	COLUMN	PLAS.	PLASTER
CONC.	CONCRETE	PLAM.	PLATE
C.M.U.	CONCRETE MASONRY UNIT	P.L.	PLUMBING CONTRACTOR
CONT.	CONTINUOUS	P.S.I.	POUNDS PER SQUARE INCH
C.J.	CONTROL JOINT	P.T.	PRESSURE TREATED
CTR.	COUNTER	P.S.I.	POUNDS PER SQUARE INCH
DK.	DECK	P.T.	PRESSURE TREATED
DTL.	DETAIL	P.S.I.	POUNDS PER SQUARE INCH
DM.	DIMENSION	Q.T.	QUARRY TILE
DR.	DOOR	REINF.	REINFORCING
DN.	DOWN	REQD.	REQUIRED
D.S.	DOWN SPOUT	RET.	RETARDANT
DWG.	DRAWING	R.A.	RETURN AIR
EA.	EACH	RM.	ROOM
ELEC.	ELECTRICAL	R.O.	ROUGH OPENING
E.C.	ELECTRICAL CONTRACTOR	SECT.	SECTION
E.W.C.	ELECTRIC WATER COOLER	SCHED.	SCHEDULE
EL. ELEV.	ELEVATION	SIM.	SIMILAR
EQ.	EQUAL	S.C.	SOLID CORE
EX. EXST.	EXISTING	S.C.W.	SOLID CORE WOOD
EXP.	EXPOSED OR EXPANSION	SPEC.	SPECIFICATION
EXT.	EXTERIOR	S.B.	SPLASH BLOCK
E.I.F.S.	EXTERIOR INSULATED FINISHING SYSTEM	S.F.C.M.U.	SPLIT-FACE CONCRETE MASONRY UNIT
E.F.S.	EXTERIOR FINISHING SYSTEM	S.F. SQ.FT.	SQUARE FOOT
F.R.P.	FIBERGLASS REINFORCED PANEL	S.S.	STAINLESS STEEL
FIN.	FINISH	STD.	STANDARD
F.C.	FINISHED CEILING	STL.	STEEL
F.F.	FINISHED FLOOR	STRUCT.	STRUCTURAL
F.G.	FINISHED GRADE	TEMP.	TEMPERED OR TEMPERATURE
F.E.	FIRE EXTINGUISHER	TH.	THICK OR THICKNESS
F.E.C.	FIRE EXTINGUISHER CABINET	T&G	TONGUE AND GROOVE
F.R.	FIRE RATED	T.O.F.	TOP OF FOOTING
F.R.	FLOOR	T.O.M.	TOP OF MASONRY
F.D.	FLOOR DRAIN	T.O.P.	TOP OF PLATE
FT.	FOOT OR FEET	T.O.S.	TOP OF STEEL
FTG.	FOOTING	TYP.	TYPICAL
F.S.	FULL SIZE	UN.O.	UNLESS NOTED OTHERWISE
G.C.	GENERAL CONTRACTOR	V.B.	VAPOR BARRIER
GL.	GLASS OR GLAZING	VAR.	VARIES
G.F.C.M.U.	GROUND FACE CONCRETE MASONRY UNIT	VERT.	VERTICAL
GYP.	GYPSONIUM	V.I.F.	VERIFY IN FIELD
G.W.B.	GYPSONIUM WALL BOARD	V.C.W.	VINYL CLAD WOOD
H.C.	HANDICAP	V.C.T.	VINYL COMPOSITION TILE
HDWR.	HARDWARE	V.C.B.	VINYL COVE BASE
H.V.A.C.	HEATING, VENTILATION & AIR CONDITIONING	W.W.F.	WELDED WIRE FABRIC
HGT.	HEIGHT	W.	WIDTH
H.C.	HOLLOW CORE	WIN.	WINDOW
H.C.M.	HOLLOW CORE MASONITE	WTH	WITH
H.C.W.	HOLLOW CORE WOOD	W/O	WITHOUT
H.M.	HOLLOW METAL	WD.	WOOD
		W.L.	WROUGHT IRON

ARCHITECTURAL LEGEND

MARK	DESCRIPTION
?	DENOTES ROOM NAME AND NUMBER
[]	DENOTES WALL TYPES
[]	DENOTES DOOR NUMBER
[]	DENOTES WINDOW TYPE
[]	DENOTES EXTERIOR ELEVATION
[]	DENOTES BUILDING / WALL SECTION
[]	DENOTES DETAILS AND LARGE SCALE PLANS
[]	DENOTES INTERIOR ELEVATION

DRAWING INTERPRETATION

DETAILS INDICATED ON THE DRAWINGS, BOTH TYPICAL (TYP.) AND SPECIFIC, SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. THE APPLICABILITY OF THE DETAIL TO ITS LOCATION ON THE PLANS CAN BE DETERMINED BY THE TITLE OF THE DETAIL. SUCH DETAILS SHALL APPLY WHETHER OR NOT THEY ARE KEYED AT EACH LOCATION. DECISIONS REGARDING THE APPLICABILITY OF DETAILS SHOWN SHALL BE DETERMINED BY THE GOVERNMENT DESIGN PROFESSIONAL AND/OR THE GOVERNMENT CONSTRUCTION MANAGEMENT SPECIALIST.

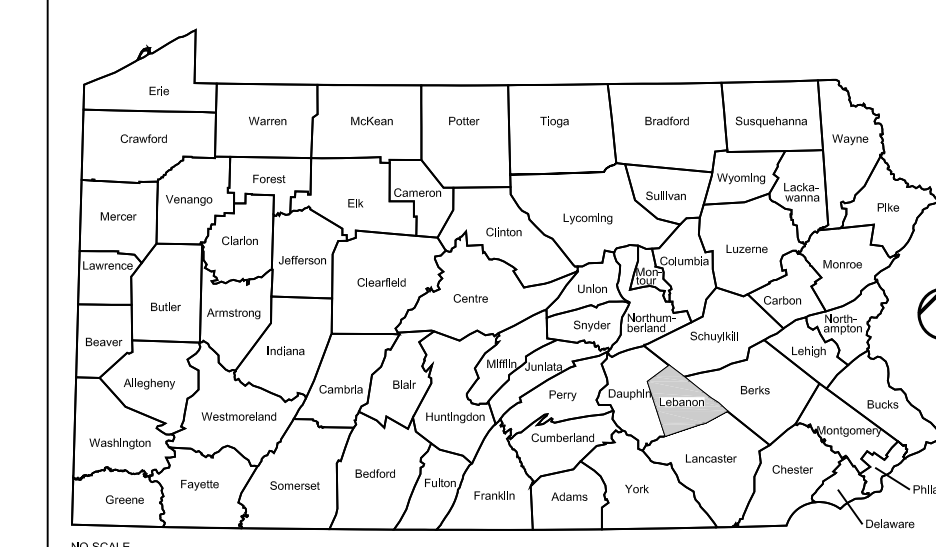
GENERAL NOTES

- CONTRACTOR SHALL VERIFY FIELD CONDITIONS AND DIMENSIONS AND REPORT DISCREPANCIES TO GOVERNMENT DESIGN PROFESSIONAL PRIOR TO COMMENCEMENT OF WORK.
- EXTERIOR DIMENSIONS SHOWN ON DRAWINGS ARE FINISHED FACE TO FINISHED FACE, UNLESS DEPICTED OTHERWISE.
- INTERIOR DIMENSIONS SHOWN ON DRAWINGS ARE CENTER OF WALL TO CENTER OF WALL, UNLESS DEPICTED OTHERWISE.
- DETAILS ARE TYPICAL AND SHOW COMMON PRACTICE. CONTRACTOR SHALL INCORPORATE THESE DETAILS INTO THE PROJECT AT APPROPRIATE LOCATIONS WHERE CONDITIONS ARE SIMILAR AND WHETHER SPECIFICALLY INDICATED OR NOT.
- DRAWINGS DEPICT COMMON PRACTICES AND ARE DIAGNOSTIC. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL NECESSARY COMPONENTS NEEDED FOR A COMPLETE AND FUNCTIONAL FACILITY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING ALL APPLICABLE CODE REGULATIONS. ASPECTS NOT DETAILED WITHIN THE DESIGN DOCUMENTS SHALL BE INCORPORATED AS NECESSARY TO MEET ALL GOVERNING CODE REQUIREMENTS.
- EQUIPMENT AND MATERIALS DESIGNATED AS "NO SUBSTITUTIONS" ARE FORT INDIANTOWN GAP STANDARDS AND SHALL BE PROVIDED AS DETAILED ON DRAWINGS AND OUTLINED WITHIN PROJECT SPECIFICATIONS.
- GENERAL ("PRIME") CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF WORK WITH THAT OF ALL OTHER TRADES.
- THE TERM "PROVIDE" AS USED IN THE SPECIFICATIONS AND ON THE DRAWINGS, SHALL BE UNDERSTOOD TO MEAN "THE CONTRACTOR SHALL FURNISH AND INSTALL, COMPLETE AND OPERATIONAL, WITH ALL REQUIRED HARDWARE, ACCESSORIES AND APPURTENANCES," UNLESS INDICATED OTHERWISE. THIS SHALL ALSO INCLUDE ALL ASSOCIATED POWER AND/OR SIGNAL WIRING REQUIRED FOR ELECTRICAL SYSTEMS FURNISHED UNDER THIS CONTRACT.

LEGEND OF MATERIALS

[Pattern]	BATT INSULATION
[Pattern]	BRICK
[Pattern]	CONCRETE
[Pattern]	CONCRETE BLOCK
[Pattern]	CRUSHED STONE
[Pattern]	EARTH
[Pattern]	FINISHED WOOD
[Pattern]	PLYWOOD
[Pattern]	RIGID INSULATION
[Pattern]	STEEL LARGE SCALE
[Pattern]	STEEL SMALL SCALE
[Pattern]	WOOD BLOCKING
[Pattern]	WOOD ROUGH

PROJECT LOCATION MAP



VICINITY MAP



CAMPUS / KEY PLAN

NO.	DESCRIPTION	DATE
REVISIONS		

Drawings Listed In Index:
 BEA Electronic Approval _____ DATE _____
 Professional's Signature _____ Date _____ Professional's Signature _____ Date _____

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ENERGY UPGRADES
 AREA 11, FT INDIANTOWN GAP, EAST HANOVER TWP
 LEBANON COUNTY, PENNSYLVANIA

PROJECT INFORMATION

DRAWN BY M. MORRIS	DATE 29 APR 2024	DRAWING NO. G.1.2
CHECKED BY J. NYE	SCALE AS NOTED	



LOCATION MAP
SCALE IN FEET
1" = 2,000'

SITE / CIVIL LEGEND		
EXISTING	PROPOSED	
--- 450 ---	[450]	CONTOUR LINE
--- 12 ---	--- 12 ---	SANITARY SEWER
--- 12 ---	--- 12 ---	WATER LINE
--- 12 ---	--- 12 ---	ELECTRIC - UNDERGROUND
--- 12 ---	--- 12 ---	ELECTRIC - OVERHEAD
--- 12 ---	--- 12 ---	FENCE LINE
--- 12 ---	--- 12 ---	COMMUNICATION - UNDERGROUND
--- 12 ---	--- 12 ---	NATURAL GAS
--- 12 ---	--- 12 ---	STORM SEWER
--- 12 ---	--- 12 ---	EROSION FILTER SOCK
--- 12 ---	--- 12 ---	WATER VALVE
--- 12 ---	--- 12 ---	MANHOLE
--- 12 ---	--- 12 ---	SPOT ELEVATION
--- 12 ---	--- 12 ---	BENCHMARK ELEVATION
--- 12 ---	--- 12 ---	FLOW ARROW
--- 12 ---	--- 12 ---	UTILITY POLE
--- 12 ---	--- 12 ---	FIRE HYDRANT
--- 12 ---	--- 12 ---	CONCRETE MATCH
--- 12 ---	--- 12 ---	TREE
--- 12 ---	--- 12 ---	POLE MOUNTED AREA LIGHTING
--- 12 ---	--- 12 ---	PENDANT STANDARD GUIDE RAIL
--- 12 ---	--- 12 ---	NATURAL GAS VALVEMETER
--- 12 ---	--- 12 ---	STORM AILET
--- 12 ---	--- 12 ---	SANITARY YARD CLEAN OUT
--- 12 ---	--- 12 ---	ELECTRICAL TRANSFORMER W VAULT
--- 12 ---	--- 12 ---	GENERATOR
--- 12 ---	--- 12 ---	COMMUNICATIONS MANHOLE
--- 12 ---	--- 12 ---	ELECTRIC PULL-BOX
--- 12 ---	--- 12 ---	BOLLARD
--- 12 ---	--- 12 ---	A1
--- 12 ---	--- 12 ---	GEOTHERMAL WELL IDENTIFICATION
--- 12 ---	--- 12 ---	TW
--- 12 ---	--- 12 ---	GEOTHERMAL TEST WELL
--- 12 ---	--- 12 ---	MWD-1
--- 12 ---	--- 12 ---	MONITORING WELL OUTER LOOP
--- 12 ---	--- 12 ---	MWM-1
--- 12 ---	--- 12 ---	MONITORING WELL MIDDLE LOOP
--- 12 ---	--- 12 ---	MW-1
--- 12 ---	--- 12 ---	MONITORING WELL INNER LOOP

BLDG. 11-089
49,285 SF
F.F.E. = 465.25'

GENERAL NOTES

1. THE CONTRACTOR IS REQUIRED TO SUBMIT A REQUEST FOR A DIGGING PERMIT, THROUGH THE DIVISION OF INSTALLATION MANAGEMENT (DIM), BUILDING 11-64, 10 DAYS PRIOR TO CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO THE START OF WORK AND INCLUDE THESE MARKING LOCATIONS ON THE AS-BUILT DRAWINGS. THE CONTRACTOR WILL COORDINATE WITH THE BRM (BLDG. 11-64) IN THE VERIFICATION OF THE EXISTING UTILITIES.
2. THE CONTRACTOR WILL PROVIDE 3 DAY NOTICE PRIOR TO ALL UTILITY CONNECTIONS. THE CONTRACTOR WILL NOTIFY DIM UPON COMPLETION OF THE CONNECTIONS, BUT PRIOR TO BACKFILLING. THE CONTRACTOR WILL NOT BACKFILL ANY UTILITY CONNECTIONS UNTIL DIM INSPECTS AND APPROVES THE WORK.
3. EXISTING SITE PLAN WAS DERIVED FROM A GPS ENGINEERING LAND SURVEY, COMPLETED BY DIMVA, DATED 11 JAN 2023. DATUM = NAD83. STATE PLANE COORDINATES PA SOUTH ZONE. PROJECT LOCATION & TOPOGRAPHY ESTABLISHED FROM GPS BENCHMARK - FIG MONUMENT #32. N = 402591.414, E = 2296920.957, ELEV = 473.31'. LOCAL PROJECT BENCHMARK - 3/4" REBAR SET, N = 400081.143', E = 2293024.848', ELEV. = 466.31'.

DEMOLITION NOTES

1. ALL SITE MATERIALS, SCHEDULED TO BE DEMOLISHED AND REMOVED FROM THE SITE, SHALL BE REMOVED AND HAULED TO A LOCATION ON FT. INDIANTOWN GAP, WITHIN 5 MILES OF THE PROJECT LOCATION.

FINAL DESIGN

NO.	DESCRIPTION	DATE
REVISIONS		

NO.	DESCRIPTION	DATE
REVISIONS		

Professional's Signature _____ Date _____

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BLDG. 11-89 TISA
ENERGY UPGRADES
AREA 11, FT INDIANTOWN GAP, EAST HANOVER TWP.
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EXISTING SITE PLAN

DRAWN BY K. LLOYD	DATE 29 APR 2024	DRAWING NO. C.1.0
CHECKED BY R. DAUTRICH	SCALE AS NOTED	

EXISTING SITE/DEMO PLAN
SCALE: 1" = 30'
SCALE IN FEET

VERIFY SCALE

BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING:
0 1
IF BAR IS NOT ONE (1) INCH LONG, ADJUST SCALE ACCORDINGLY

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.



LOCATION MAP
SCALE IN FEET

SITE / CIVIL LEGEND

EXISTING	PROPOSED	DESCRIPTION
---	[450]	CONTOUR LINE
---	---	SANITARY SEWER
---	---	WATER LINE
---	---	ELECTRIC - UNDERGROUND
---	---	ELECTRIC - OVERHEAD
---	---	FENCELINE
---	---	COMMUNICATION - UNDERGROUND
---	---	NATURAL GAS
---	---	GAS
---	---	STORM SEWER
---	---	EROSION FILTER SOCK
---	---	WATER VALVE
---	---	MANHOLE
---	---	SPOT ELEVATION
---	---	BENCHMARK ELEVATION
---	---	FLOW ARROW
---	---	UTILITY POLE
---	---	FIRE HYDRANT
---	---	CONCRETE HATCH
---	---	TREE
---	---	POLE MOUNTED AREA LIGHTING
---	---	PENDANT STANDARD GUIDE RAIL
---	---	NATURAL GAS VALVE/REGULATOR
---	---	STORM INLET
---	---	SANITARY YARD CLEAN OUT
---	---	ELECTRICAL TRANSFORMER W/ VAULT
---	---	GENERATOR
---	---	COMMUNICATIONS MANHOLE
---	---	ELECTRIC PULL BOX
---	---	BOLLARD
---	---	A1
---	---	GEOTHERMAL TEST WELL
---	---	TW
---	---	MWD-1
---	---	MONITORING WELL OUTER LOOP
---	---	MWM-1
---	---	MONITORING WELL MIDDLE LOOP
---	---	MWI-1
---	---	MONITORING WELL INNER LOOP

CONSTRUCTION NOTES

- PV SOLAR ARRAY SITE WILL REMAIN AGGREGATE. CONTRACTOR WILL USE AASHTO #3 STONE FOR ANY REPAIRS AND AT LOCATIONS OF CONCRETE DEMOLITION. ENTIRE PV SOLAR ARRAY SITE WILL HAVE 3" OF AASHTO #3 STONE PLACED AND STATIC ROLLED PRIOR TO COMPLETION OF PROJECT.
- THE GEOTHERMAL WELL FIELD SITE WILL REMAIN MEADOW AT THE CONCLUSION OF THIS PROJECT. THE CONTRACTOR WILL PLAN TO EXCAVATE 3" TO 4" IN DEPTH AT ANY ONE PHASE OF THE PROJECT FOR THE INSTALL OF THE WELLS AND PIPING. UPON COMPLETION OF A PHASE OF WORK, THE CONTRACTOR WILL REPAIR ALL DISTURBED AREAS AND RESTORE THE SITE TO MEADOW AT THE CONCLUSION OF EACH PHASE.
- THE CONTRACTOR WILL PHASE THE EXCAVATION OF THE WELL FIELD INTO AT LEAST 2 PHASES, WHEREBY AT NO TIME WILL THE ENTIRE WELL FIELD BE EXCAVATED, REQUIRING ADDITIONAL ACREAGE FOR STOCKPILING OR EARTH DISTURBANCE.
- THE CONTRACTOR WILL SAWCUT EXG. PAVEMENT TO THE LIMITS REQUIRED FOR EXCAVATION OF UTILITIES CROSSING ASHER-MINER ROAD. BITUMINOUS CONCRETE WILL BE REPLACED PER DETAIL THIS SHEET.
- 12 AWG WIRE WILL BE PLACED (BY 4 ELECTRICAL CONTRACTOR) 6" ABOVE THE OUTER PERIMETER PIPE LOOP TO INDICATE LOCATION OF WELL FIELD. ADDITIONALLY, SIGNAGE WILL BE PLACED (1 GENERAL CONTRACTOR) AROUND OUTER PERIMETER OF WELL FIELD VISUALLY INDICATING LOCATION OF THE FIELD. SEE SIGNAGE DETAIL FOR SPECIFIC SIGN REQUIREMENTS AND PLACEMENT.
- REGULATIONS ADHERING TO INADVERTENT DISCOVERY OF ARCHAEOLOGICAL MATERIAL. SECTION 106 OF THE NATIONAL HISTORIC PRESERVATION ACT OF 1966, AS AMENDED IN 1980, 1992, AND THE REGULATIONS (36 CFR PART 800) OF THE ADVISORY COUNCIL ON HISTORIC PRESERVATION AS REVISED IN 1999, THE ENVIRONMENTAL RIGHTS AMENDMENT, ARTICLE 1, SECTION 27 OF THE PENNSYLVANIA HISTORY CODE, 37 PA.CONS.STAT. SECTION 500 ET SEQ (1988).
- IF THERE ARE INADVERTENT DISCOVERIES OF ARCHAEOLOGICAL MATERIAL DUE TO CONSTRUCTION OR OTHER SOIL DISTURBANCE, IN ACCORDANCE WITH STATE AND FEDERAL LAW, THE PROJECT MANAGER SHOULD CONTACT THE CULTURAL RESOURCES MANAGER IMMEDIATELY, AND WORK SHOULD CEASE IN THAT AREA UNTIL NATIONAL HISTORIC PRESERVATION ACT, PAARNS SCOPES, ARCHAEOLOGICAL RESOURCE PROTECTION ACT, AND NATIVE AMERICAN GRAVES PROTECTION AND REPAIRATION ACT REGULATIONS ARE INITIATED AND FOLLOWED. ANY DISPOSITION OF ARCHAEOLOGICAL DEPOSITS IS THE RESPONSIBILITY OF THE DMVA AND NOT THE CONTRACTOR.

FINAL DESIGN

NO.	DESCRIPTION	DATE
REVISIONS		

Professional's Signature Date

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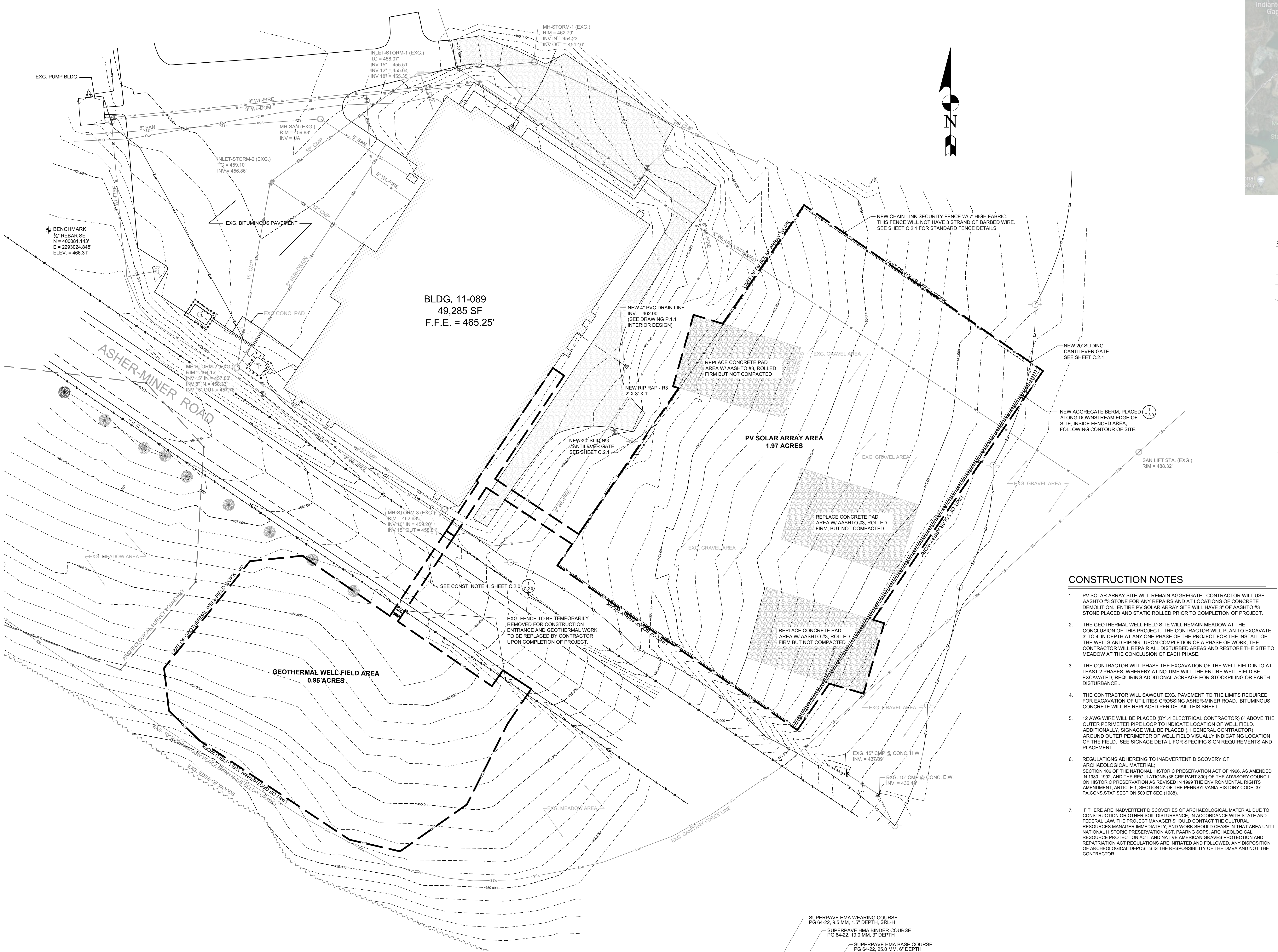
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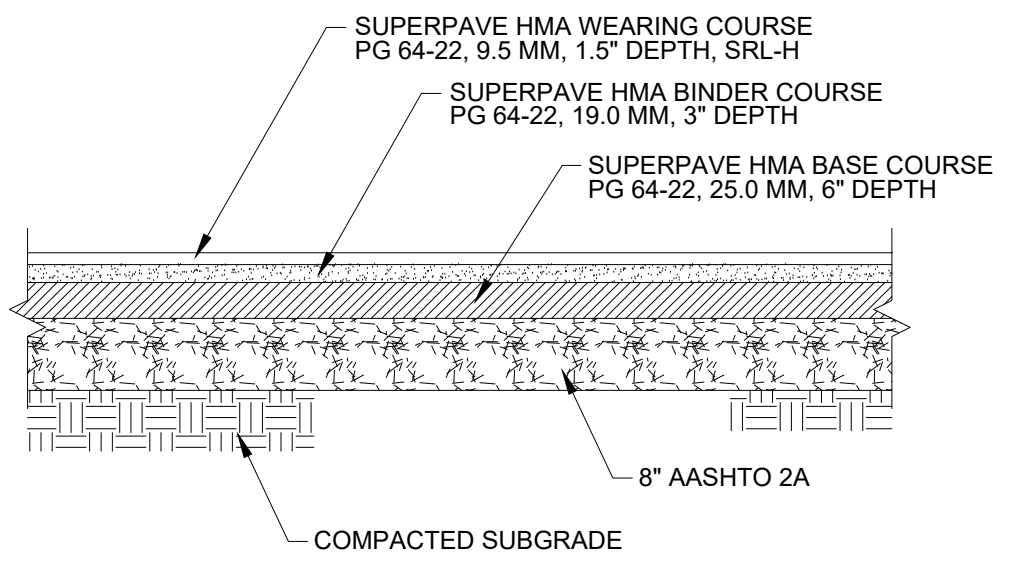
BLDG. 11-89 TISA ENERGY UPGRADES
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ENERGY UPGRADES SITE PLAN

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.	DRAWN BY K. LLOYD	DATE 29 APR 2024	DRAWING NO. C.2.0
	CHECKED BY R. DAUTRICH	SCALE AS NOTED	



ENERGY UPGRADES SITE PLAN
SCALE: 1" = 30'
SCALE IN FEET

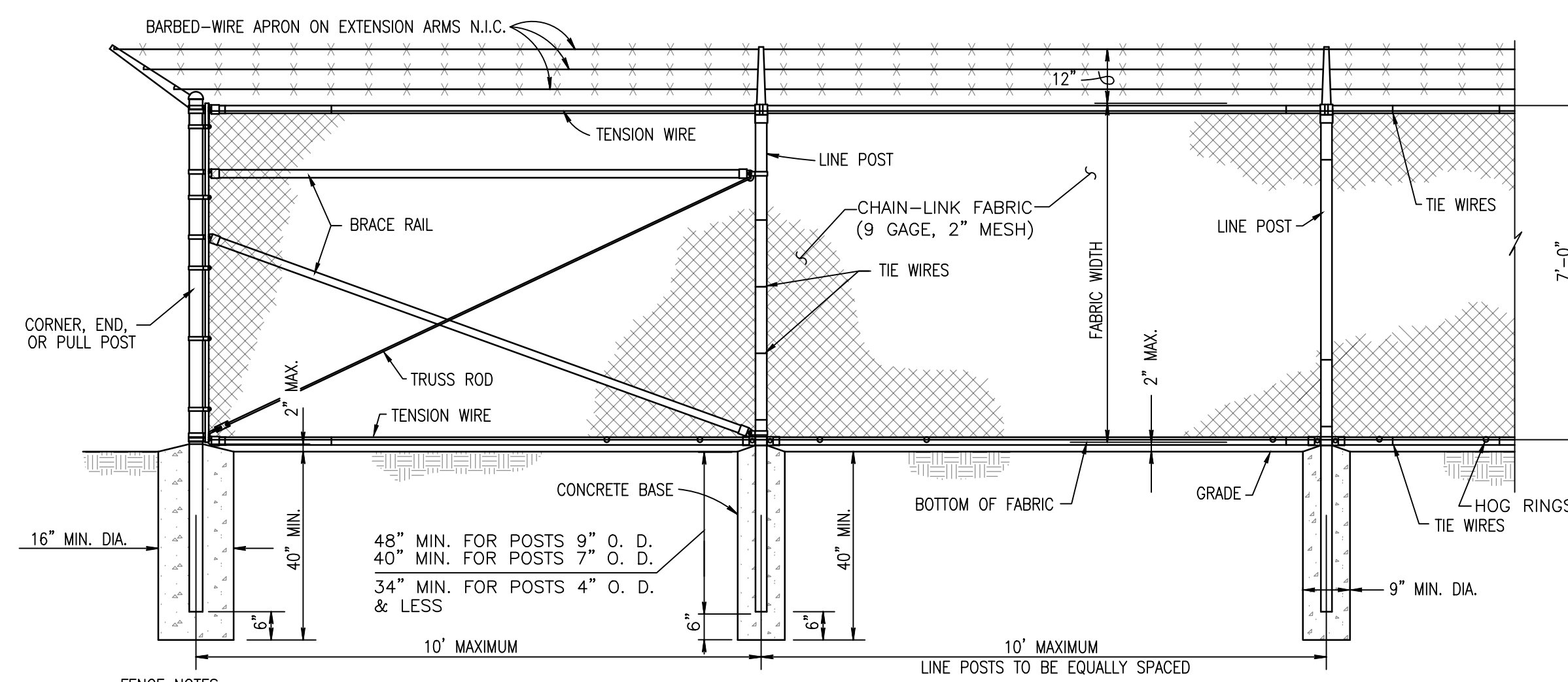


BITUMINOUS CONCRETE SECTION
NOT TO SCALE

VERIFY SCALE

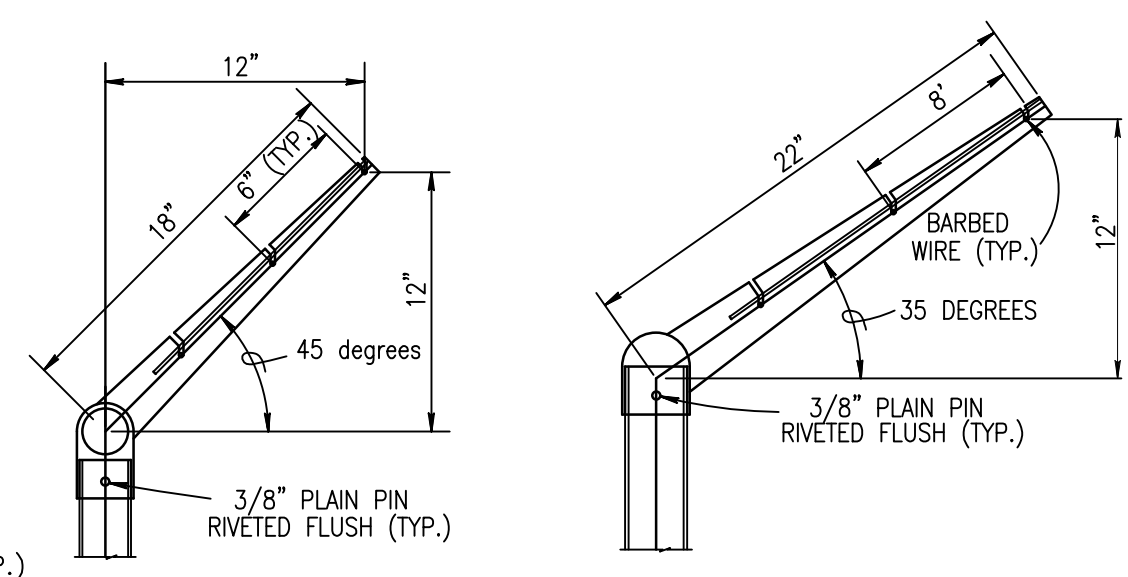
BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING.
0 1
IF BAR IS NOT ONE (1) INCH LONG, ADJUST SCALE ACCORDINGLY.

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.



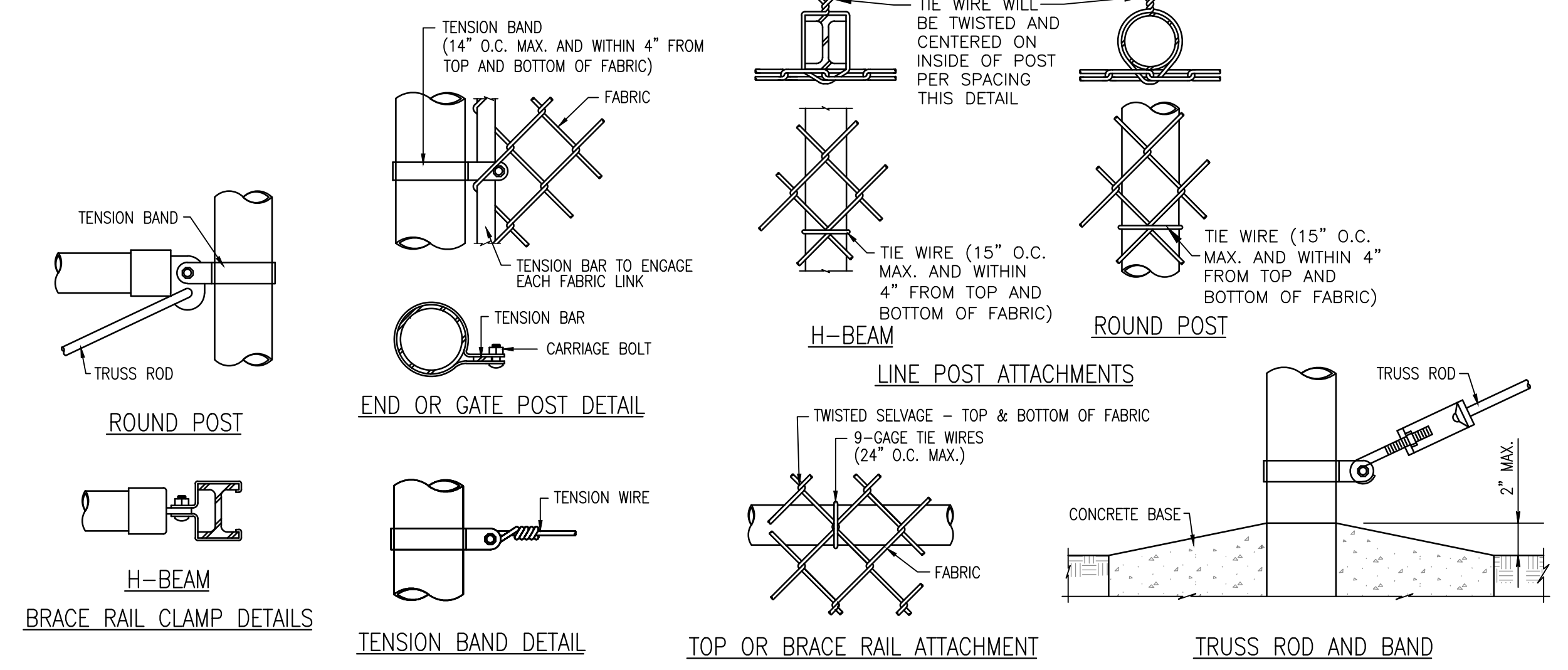
FENCE NOTES:
 1. WIRE TIES, BALLS, POSTS, AND BRACES SHALL BE CONSTRUCTED ON THE SECURE SIDE OF THE FENCE ALIGNMENT. CHAIN-LINK FABRIC SHALL BE PLACED ON THE OPPOSITE SIDE OF THE SECURE AREA.

1A CHAIN-LINK FENCE DETAIL
 SCALE: N.T.S.

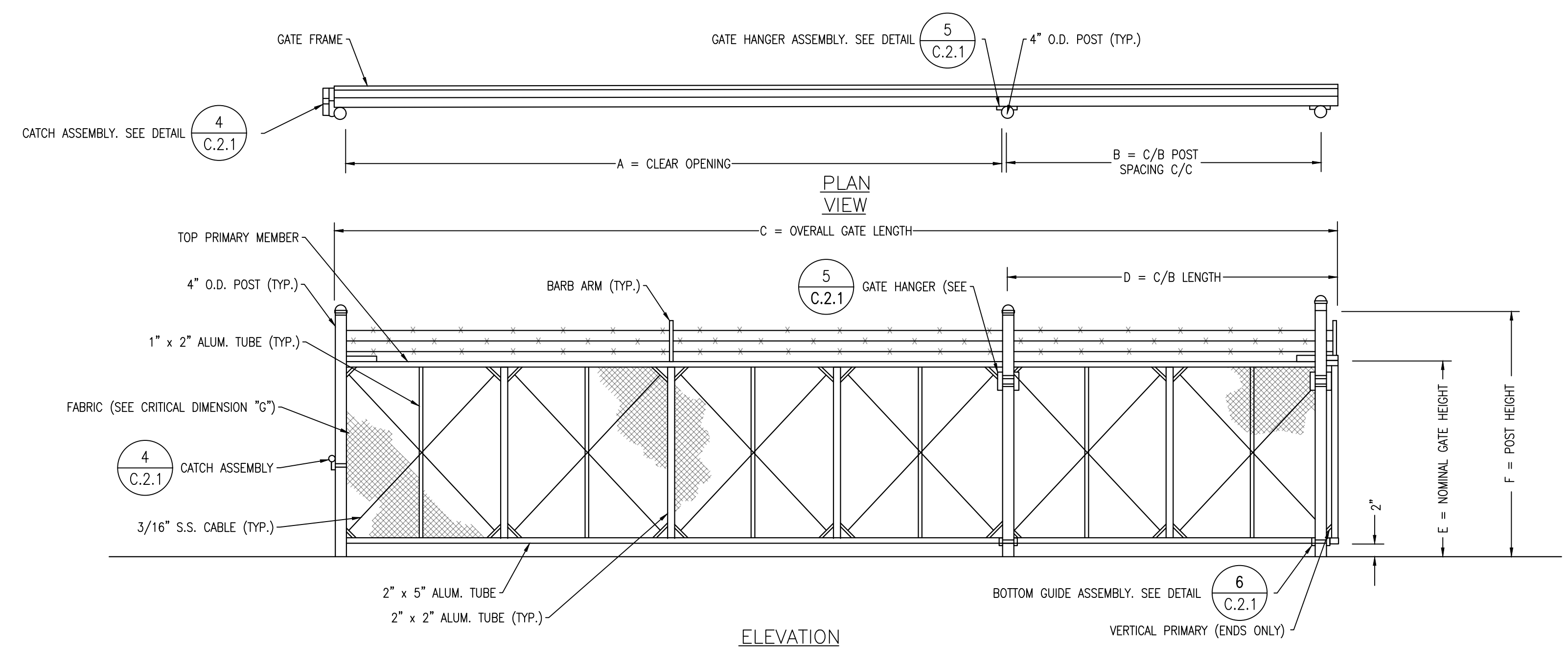


EXTENSION ARM (SINGLE BRACKET) DETAILS N.I.C. N.T.S.

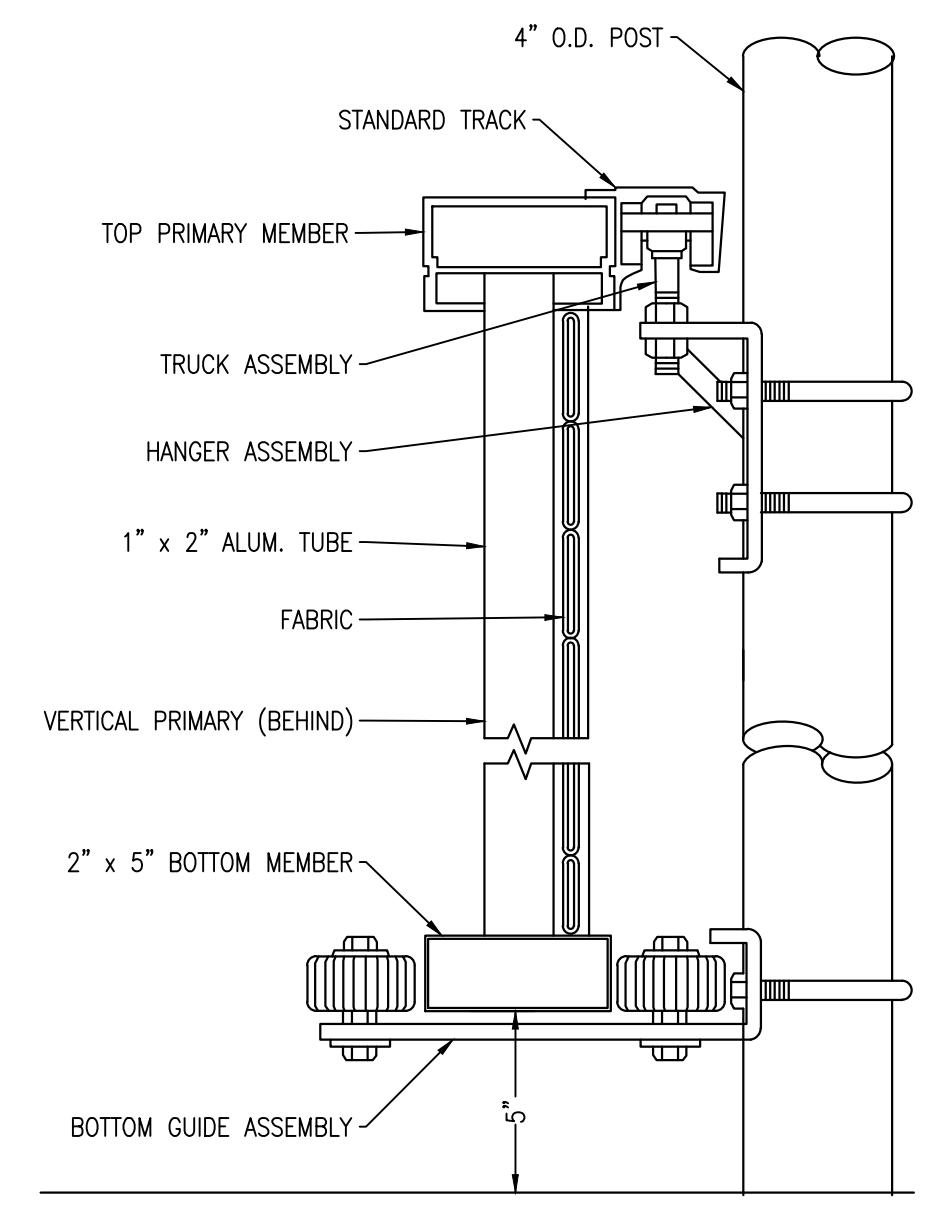
USE AND SECTION	MINIMUM OUTSIDE DIMENSIONS (NOMINAL)
Corner, End & Pull Posts	3" O.D.
Line Posts	3" O.D.
Top, Bottom & Brace Rails	1-5/8" O.D.



2 FASTENING DETAILS
 SCALE: 1/8" = 1'-0"

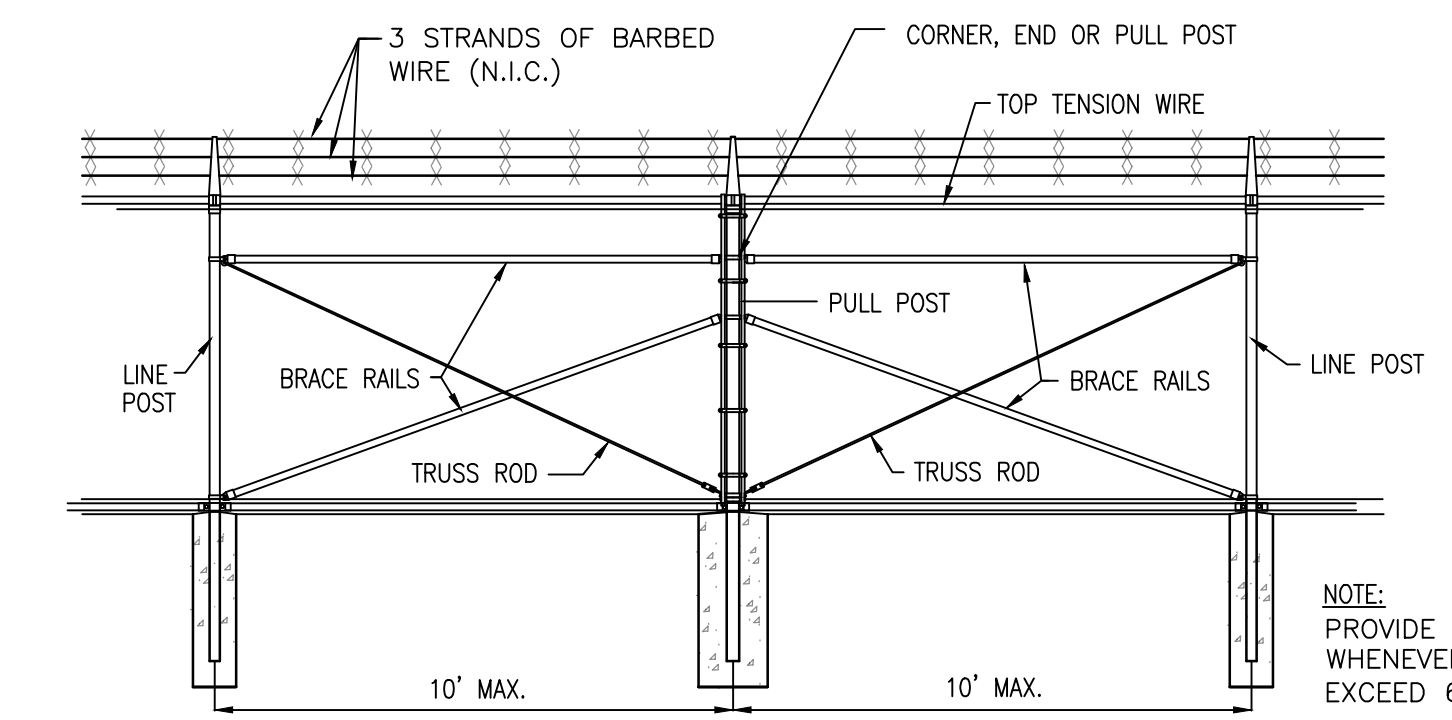


3 TYPICAL HEAVY DUTY CANTILEVER SLIDE GATE
 SCALE: N.T.S.



ASSEMBLY SECTION

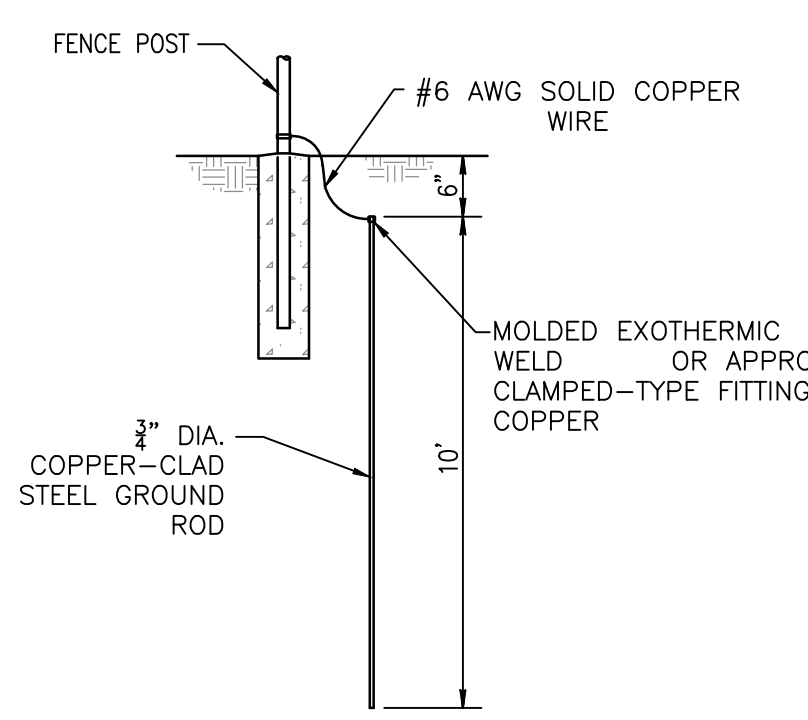
NOTES:
 1. BARB ARMS ARE OPTIONAL.
 2. GATE ELEVATION IS VIEWED FROM THE OUTSIDE OF THE SECURE AREA LOOKING IN.



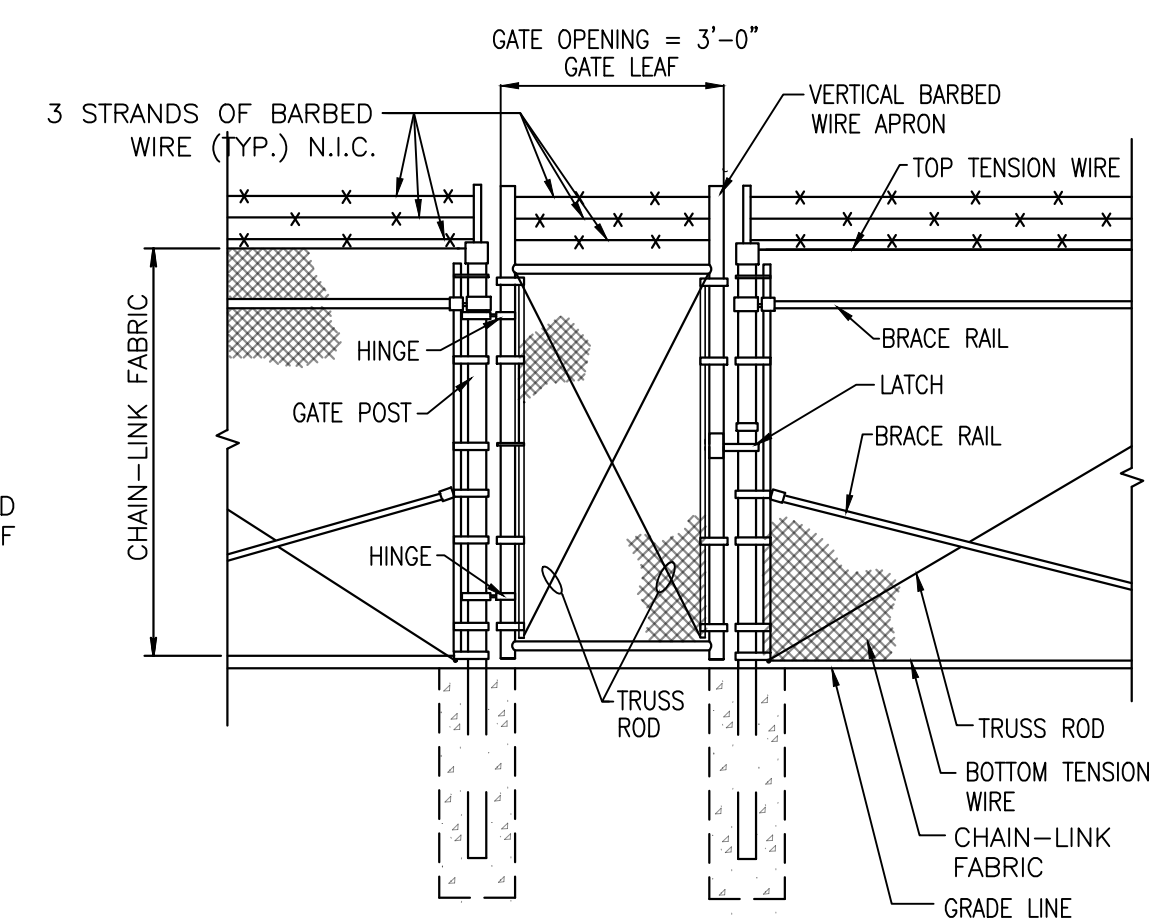
7 BRACE PANEL DETAIL
 SCALE: N.T.S.

CRITICAL DIMENSION CHART		
A	CLEAR OPENING	**
B	COUNTERBALANCE POST SPACING C/C	*
C	OVERALL GATE LENGTH	*
D	COUNTERBALANCE LENGTH	*
E	NOMINAL GATE HEIGHT	7'
F	POST HEIGHT	*
G	FABRIC HEIGHT	*

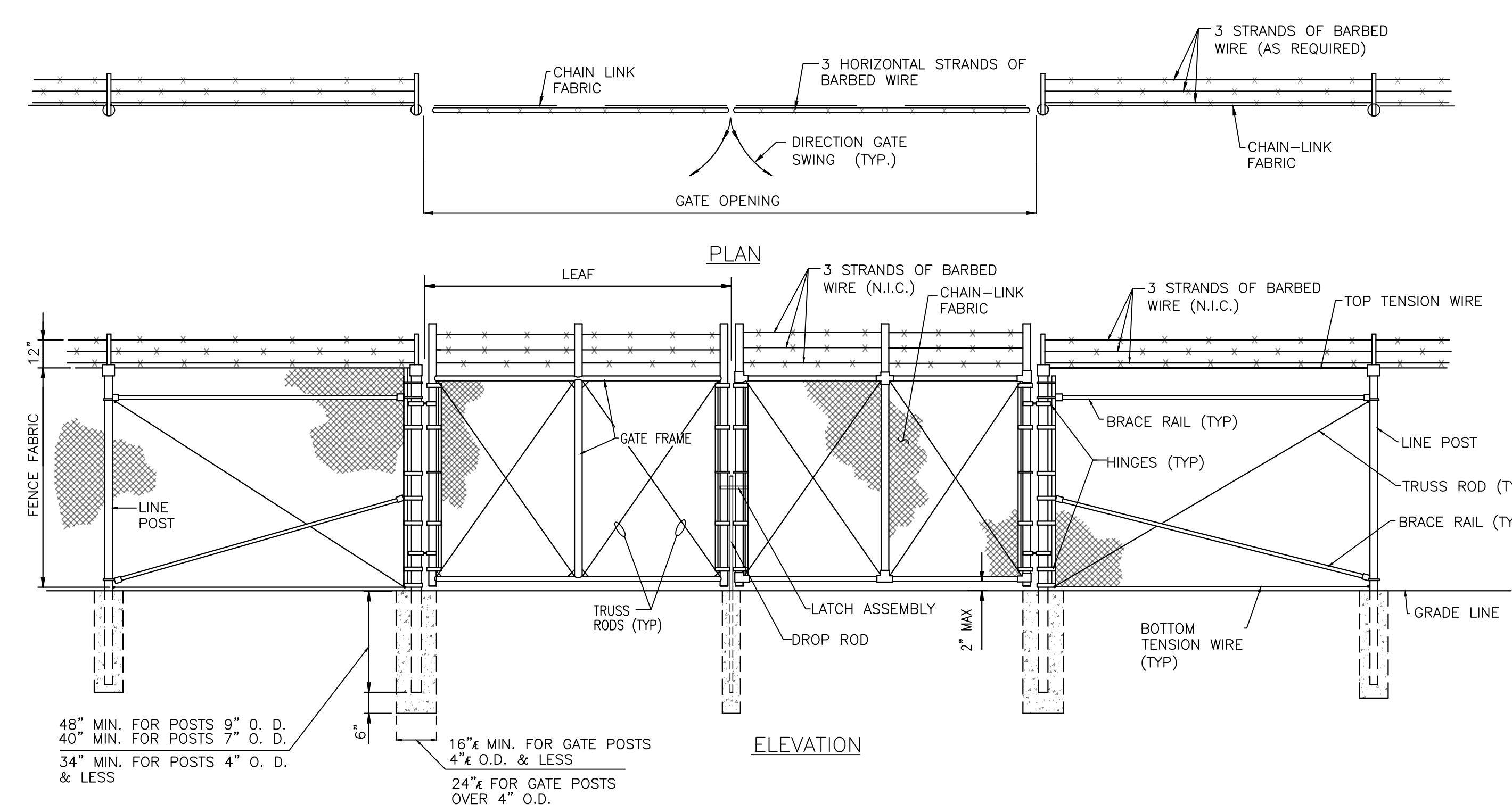
*CRITICAL DIMENSIONS TO BE DETERMINED BY MANUFACTURER. CONTRACTOR TO VERIFY AND COORDINATE MANUFACTURER'S SPECIFICATIONS PRIOR TO PURCHASE AND SHALL FOLLOW MANUFACTURER GUIDELINES DURING INSTALLATION.
 ** SEE SHEET C.1.0 FOR CLEAR OPENING DIMENSIONS



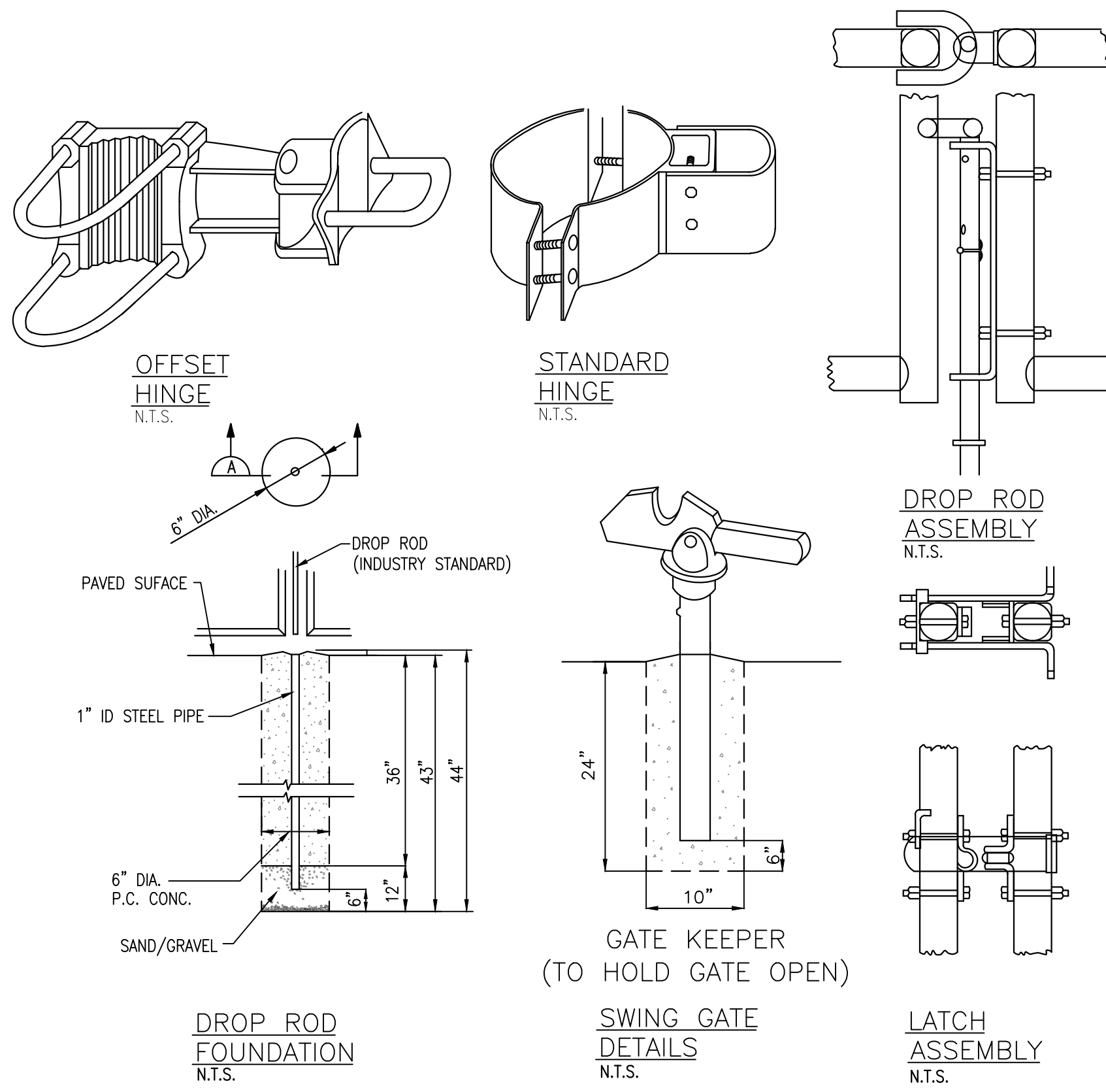
8 GROUNDING DETAIL
 SCALE: N.T.S.



9 PERSONNEL GATE
 SCALE: N.T.S.



10 TYPICAL DOUBLE SWING GATE
 SCALE: N.T.S.



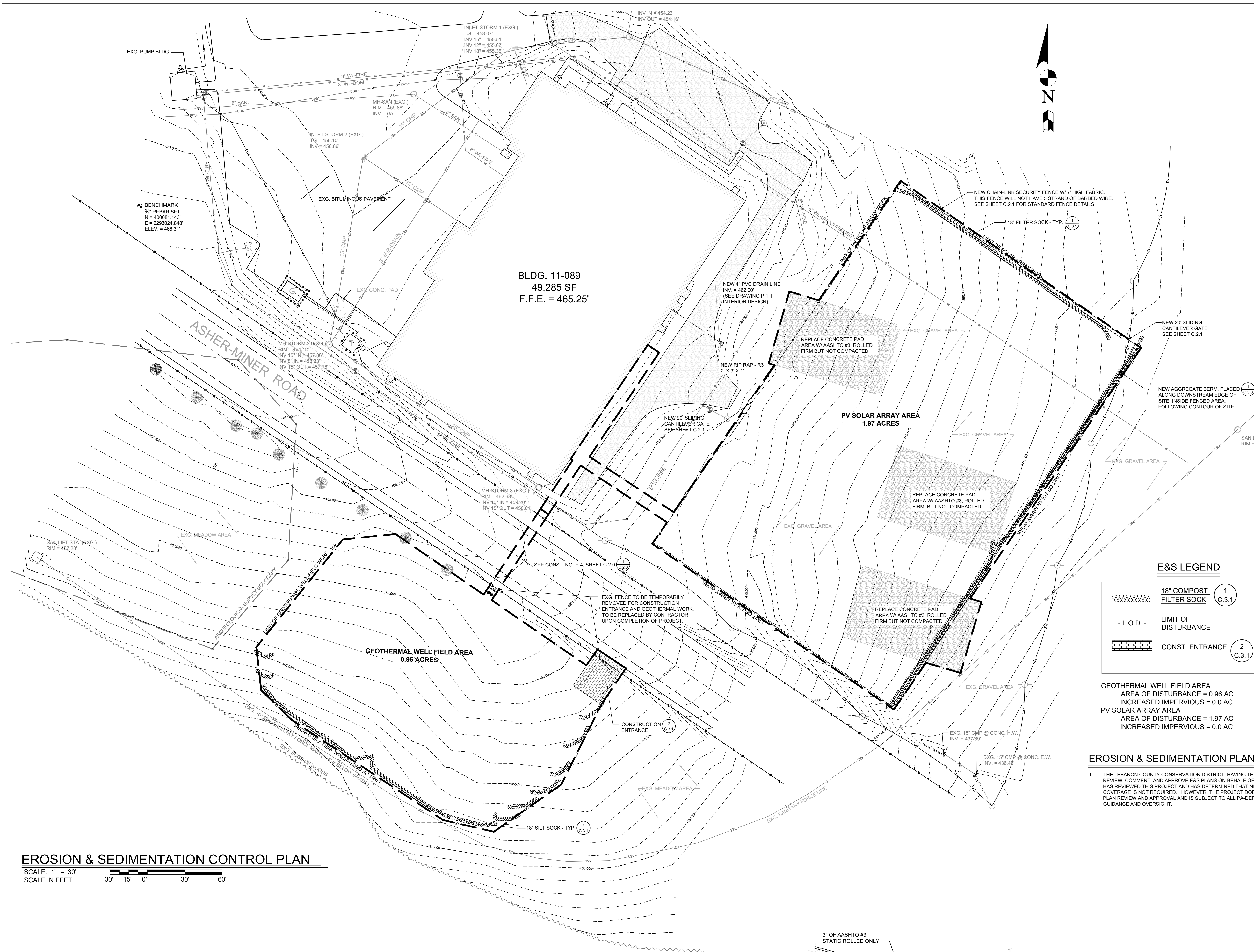
GATE POST SCHEDULE

GATE LEAF WIDTH (NOMINAL)	OUTSIDE DIMENSION (NOMINAL)
6' OR LESS	3" O.D.
MORE THAN 6' TO 13'	4" O.D.
MORE THAN 13" TO 18"	7" O.D.
MORE THAN 18'	9" O.D.

GATE NOTES:
 DETAILS SHOWN ARE TO CLARIFY REQUIREMENTS AND ARE NOT INTENDED TO LIMIT OTHER TYPE OF FENCE SECTIONS AND METHODS OF INSTALLATION.
 SWING GATES SHALL BE CONSTRUCTED WITH DROP RODS, PADLOCKS, LATCH ASSEMBLY AND GATE KEEPERS EXCEPT AS NOTED.
 ALL GATE FRAMES SHALL BE A MINIMUM 2" NOMINAL (ROUND) OR 2" NOMINAL (SQUARE). GATE FRAMES SHALL BE OF WELDED CONSTRUCTION OR SHALL BE ASSEMBLED USING HEAVY FITTINGS. AT CONTRACTOR'S OPTION A WELDED HORIZONTAL BRACE MAY BE USED IN LIEU OF TRUSS RODS TO BRACE ALL WELDED GATE FRAMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER RIGID CONSTRUCTION OF ALL GATES SUPPLIED.
 CONTRACTOR SHALL FOLLOW MANUFACTURER'S SPECIFICATIONS AND GUIDELINES FOR INSTALLATION.

FINAL DESIGN

NO.	DESCRIPTION	DATE
REVISIONS		
Professional's Signature _____ Date _____		
COMMONWEALTH OF PENNSYLVANIA DEPT. OF MILITARY & VETERAN'S AFFAIRS ANNVILLE, PENNSYLVANIA 17003		
DESIGN PROFESSIONALS: OFFICE OF FACILITIES AND ENGINEERING BUREAU OF DESIGN AND PROJECT MANAGEMENT BLDG. 9-10, FORT INDIANTOWN GAP ANNVILLE, LEBANON COUNTY, PENNSYLVANIA		
PROJECT NO.:		420591 (88821)
BLDG. 11-89 TISA ENERGY UPGRADES AREA 11, FT INDIANTOWN GAP, EAST HANOVER TWP. LEBANON COUNTY, PENNSYLVANIA 17003		
FENCE DETAILS		
VERIFY SCALE BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING. 0 1 IF BAR IS NOT ONE (1) INCH LONG, ADJUST SCALE ACCORDINGLY.	DRAWN BY K. LLOYD	DATE 29 APR 2024
CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.	CHECKED BY R. DAUTRICH	SCALE AS NOTED
		C.2.1



LOCATION MAP
SCALE: 1" = 2,000'
SCALE IN FEET

SITE / CIVIL LEGEND

EXISTING	PROPOSED	DESCRIPTION
---	---	CONTOUR LINE
---	---	SANITARY SEWER
---	---	WATER LINE
---	---	ELECTRIC - UNDERGROUND
---	---	ELECTRIC - OVERHEAD
---	---	FENCELINE
---	---	COMMUNICATION - UNDERGROUND
---	---	NATURAL GAS
---	---	STORM SEWER
---	---	EROSION FILTER SOCK
---	---	WATER VALVE
---	---	MANHOLE
---	---	SPOT ELEVATION
---	---	BENCHMARK
---	---	BENCHMARK ELEVATION
---	---	FLOW ARROW
---	---	UTILITY POLE
---	---	FIRE HYDRANT
---	---	CONCRETE HATCH
---	---	TREE
---	---	POLE MOUNTED AREA LIGHTING
---	---	PENNET STANDARD GUIDE RAIL
---	---	NATURAL GAS VALVEMETER
---	---	STORM INLET
---	---	SANITARY YARD CLEAN OUT
---	---	ELECTRICAL TRANSFORMER W/ VAULT
---	---	GENERATOR
---	---	COMMUNICATIONS MANHOLE
---	---	ELECTRIC PULL BOX
---	---	BOLLARD
---	---	A1
---	---	TW
---	---	GEOTHERMAL WELL IDENTIFICATION
---	---	GEOTHERMAL TEST WELL
---	---	MWO-1
---	---	MONITORING WELL OUTER LOOP
---	---	MWM-1
---	---	MONITORING WELL MIDDLE LOOP
---	---	MWI-1
---	---	MONITORING WELL INNER LOOP

E&S LEGEND

---	18" COMPOST FILTER SOCK	1 C.3.1
- L.O.D. -	LIMIT OF DISTURBANCE	
---	CONST. ENTRANCE	2 C.3.1

GEOHERMAL WELL FIELD AREA
AREA OF DISTURBANCE = 0.96 AC
INCREASED IMPERVIOUS = 0.0 AC

PV SOLAR ARRAY AREA
AREA OF DISTURBANCE = 1.97 AC
INCREASED IMPERVIOUS = 0.0 AC

EROSION & SEDIMENTATION PLAN NOTES

1. THE LEBANON COUNTY CONSERVATION DISTRICT, HAVING THE AUTHORITY TO REVIEW, COMMENT, AND APPROVE E&S PLANS ON BEHALF OF THE PA-DEP, HAS REVIEWED THIS PROJECT AND HAS DETERMINED THAT NPDES PERMIT COVERAGE IS NOT REQUIRED. HOWEVER, THE PROJECT DOES REQUIRE E&S PLAN REVIEW AND APPROVAL AND IS SUBJECT TO ALL PA-DEP REGULATIONS, GUIDANCE AND OVERSIGHT.

EROSION & SEDIMENTATION CONTROL PLAN
SCALE: 1" = 30'
SCALE IN FEET

FINAL DESIGN

NO.	DESCRIPTION	DATE
REVISIONS		

Professional's Signature _____ Date _____

COMMONWEALTH OF PENNSYLVANIA
DEPT. OF MILITARY & VETERAN'S AFFAIRS
ANNVILLE, PENNSYLVANIA 17003

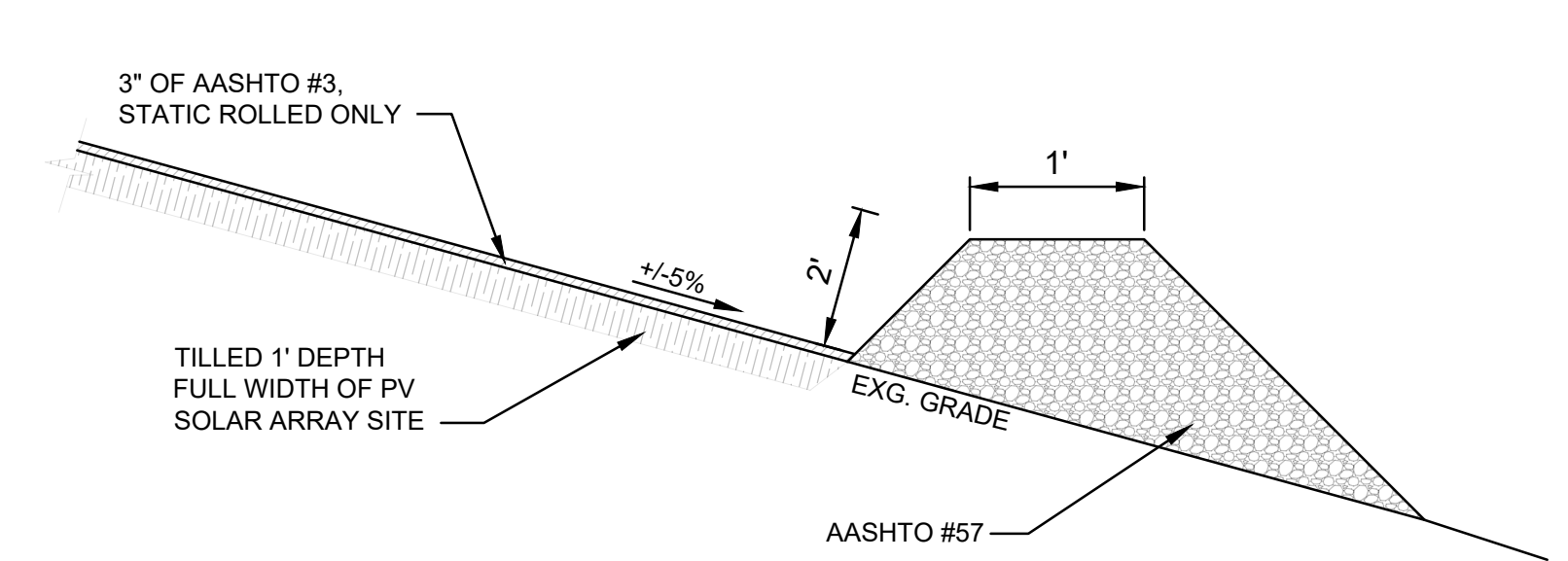
DESIGN PROFESSIONALS:
OFFICE OF FACILITIES AND ENGINEERING
BUREAU OF DESIGN AND PROJECT MANAGEMENT
BLDG. 0-10, FORT INDIANTOWN GAP
ANNVILLE, LEBANON COUNTY, PENNSYLVANIA

PROJECT NO.: 420591 (88821)

BLDG. 11-89 TISA ENERGY UPGRADES
AREA 11, FT INDIANTOWN GAP, EAST HANOVER TWP.
LEBANON COUNTY, PENNSYLVANIA 17003

E&S PLAN

DRAWN BY K. LLOYD	DATE 29 APR 2024	DRAWING NO. C.3.0
CHECKED BY R. DAUTRICH	SCALE AS NOTED	



AGGREGATE BERM DETAIL
NOT TO SCALE

VERIFY SCALE

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0 1

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CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.

EROSION & SEDIMENTATION CONTROL NOTES

1-0 GENERAL NOTES

- 1. At least 10 days before starting any earth disturbance activities, the contractor shall invite all DMVA POCs and maintenance personnel involved in those activities, the landowner, all appropriate municipal officials, the erosion and sedimentation control plan preparer, and a representative of the Lebanon County Conservation District at 717-277-5275 to schedule an on-site pre-construction meeting. Also, at least 3 days before starting any earth disturbance activities, the contractor shall notify the Pennsylvania One Call System Inc. at 1-800-242-1776 for buried utilities location.

- 6. An area shall be considered to have achieved final stabilization when it has a minimum uniform 70% perennial vegetative cover or other permanent non-vegetative cover with a density sufficient to resist accelerated surface erosion and subsurface characteristics sufficient to resist sliding or other movements.

- 2-1 COMPOST FILTER SOCK
1. Compost sock should be placed parallel to contours with both ends of the sock extended upslope at a 45 degree angle to the rest of the sock to prevent end-arounds.

3-0 CONSTRUCTION SEQUENCE NOTES

- 1. All earth disturbance activities shall proceed in accordance with the following sequence. Each stage shall be completed in compliance with Chapter 102 regulations before any following stage is initiated. Clearing and grubbing shall be limited only to those areas described in each stage.

4-0 GROUND COVER

- 4.1 Temporary Seeding
1. All grass areas disturbed by the work of this Project shall be seeded as follows:
2. Temporary seeding shall be done in areas where active work will not be performed for twenty days (20). Temporary seeding shall be done immediately after work ceases.

4-2 Permanent Seeding

- 1. Permanent seeding shall take place in all disturbed areas as follows:
2. Fertilization: The following shall be spread and worked into the topsoil to a depth of 3 to 4 inches.
2.1. Agricultural Lime - 275 pounds per 1,000 square feet
2.2. Fertilizer - 25 pounds per 1,000 square feet
3. The fertilizer shall be a commercial type 10-20-20.

- 8.8. 10% Crimson Clover
8.9. *All mixtures given above are for PLS - Pure Live Seed 100%. To calculate PLS, the percentage of pure seed is multiplied by the percentage of germination, and the product is divided by 100, (85% pure seed x 72% germination) divided by 100 = 61% PLS. To determine how much seed to plant, divide the percentage into 100. Example: 100 divided by 61 = 1.63. Thus, every pound of seed mixture called for should then be 1.63 lbs.

5.0 MAINTENANCE PROGRAM

5.1 Emergency Erosion Protection

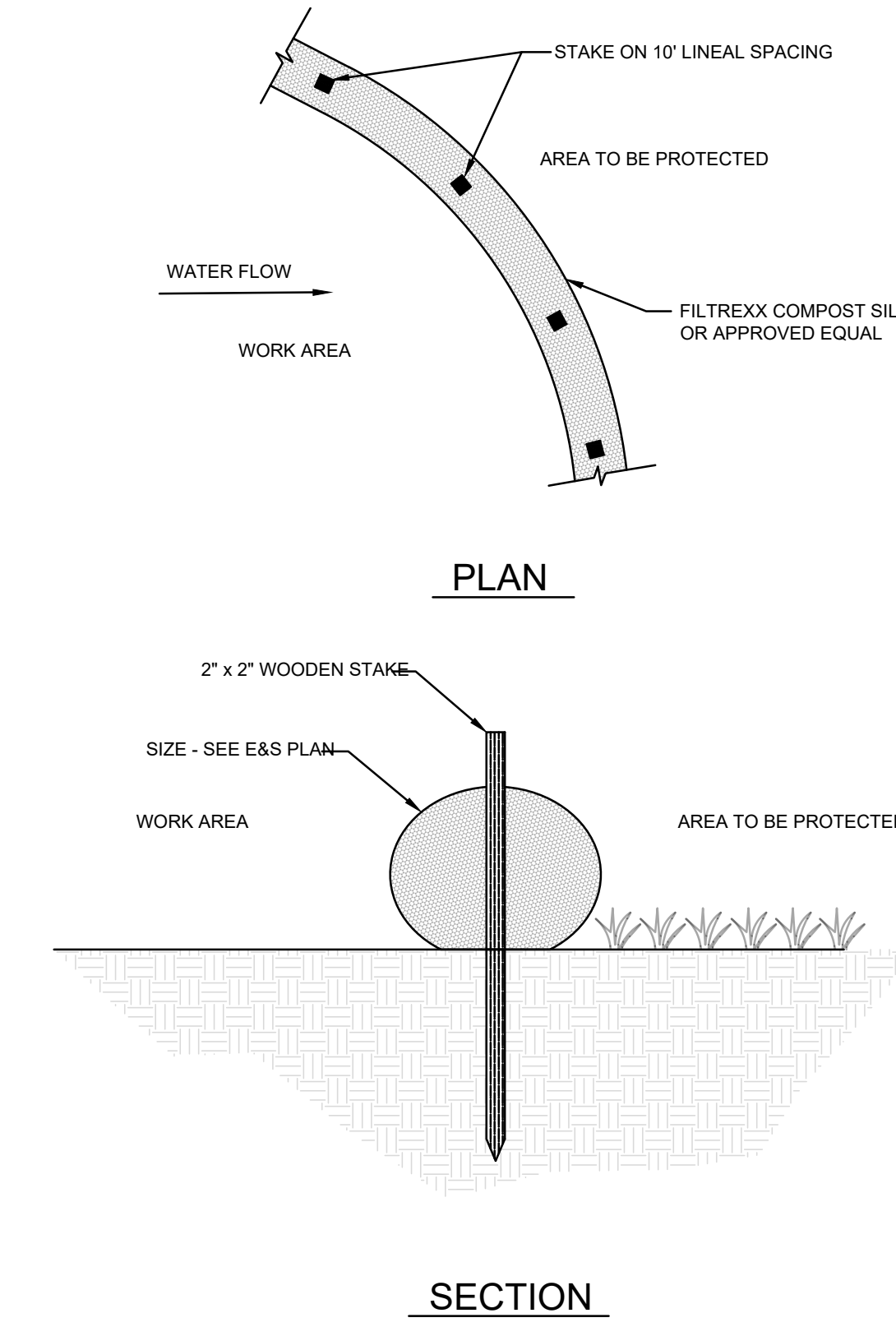
- 1. If erosion does occur, the contractor shall repair and reseed those areas or use other stabilization methods as required. The contractor shall use jute, wood fiber, or other tie down filter netting on top of the new seed as required, regardless of the slope of the land.

5.2 Periodic Inspection Program

- 1. The contractor will regularly inspect the Project's erosion and sedimentation controls during the entire active construction stages. The inspections will be performed weekly or after all runoff events and the inspections shall be documented and records of repairs keep on site. The contractor will be responsible for the installation, operation, maintenance, and removal of all erosion and sedimentation controls. All preventative and remedial maintenance work, including clean out repair, replacement, regrading, reseeding, re mulching, and renetting must be performed immediately. Sediment that has been trapped by the silt sock will be removed as required, and in all cases, before the accumulation has reached half the height of the BMP. Compost filter sock will be re-anchored, repaired, or replaced as necessary. All other controls will be inspected on the same schedule. If erosion and sediment control BMPs fail to perform as expected, replacement BMPs, or modification of those installed will be required.

5.3 Removal of Controls and Continuing Maintenance

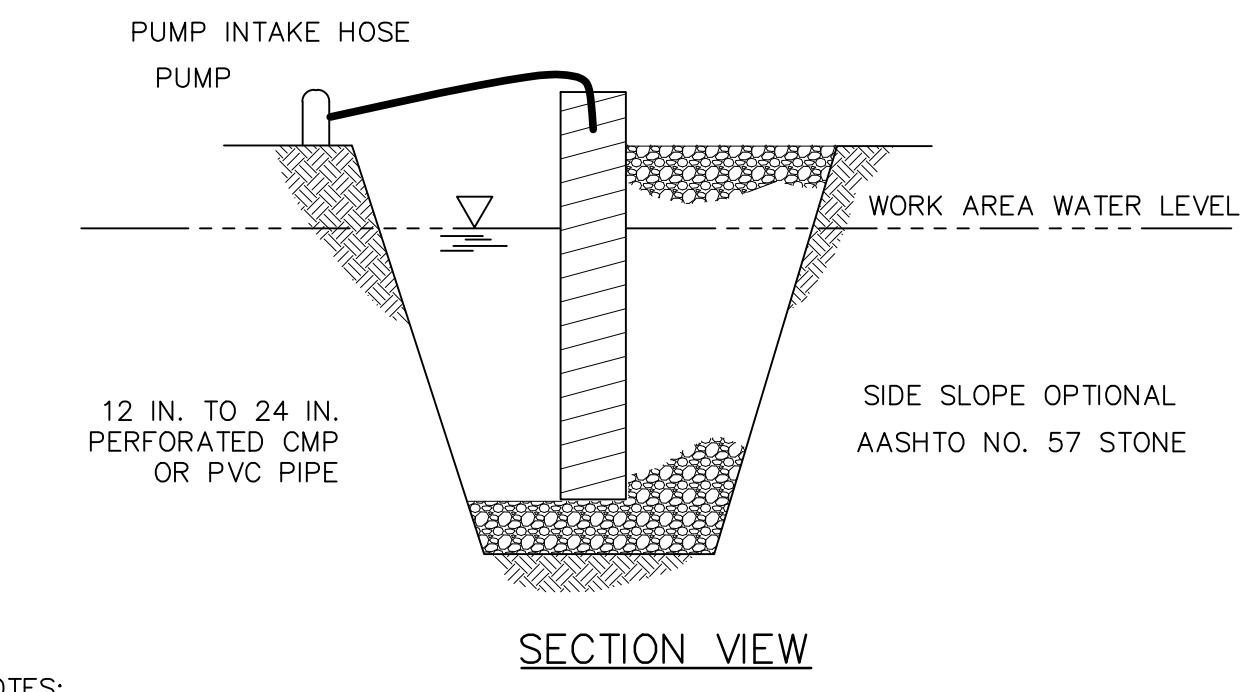
- 1. All required temporary erosion and sedimentation controls shall remain in place and be maintained until the area they protect has been stabilized.
2. An area shall be considered to have achieved final stabilization when it has a minimum uniform 70% perennial vegetative cover or other permanent non-vegetative cover with a density sufficient to resist accelerated surface erosion and subsurface characteristics sufficient to resist sliding or other movements.



MAINTENANCE NOTES:

- 1. THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT CONTROL IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.
2. IF THE SEDIMENT CONTROL HAS BEEN DAMAGED, IT SHALL BE REPAIRED, OR REPLACED IF BEYOND REPAIR.
3. THE CONTRACTOR SHALL REMOVE SEDIMENT AT THE BASE OF THE UPSLOPE SIDE OF THE SEDIMENT CONTROL WHEN ACCUMULATION HAS REACHED 1/2 OF THE EFFECTIVE HEIGHT OF THE SEDIMENT CONTROL, OR AS DIRECTED BY THE ENGINEER. ALTERNATIVELY, A NEW SEDIMENT CONTROL CAN BE PLACED ON TOP OF AND SLIGHTLY BEHIND THE ORIGINAL ONE CREATING MORE SEDIMENT STORAGE CAPACITY WITHOUT SOIL DISTURBANCE.

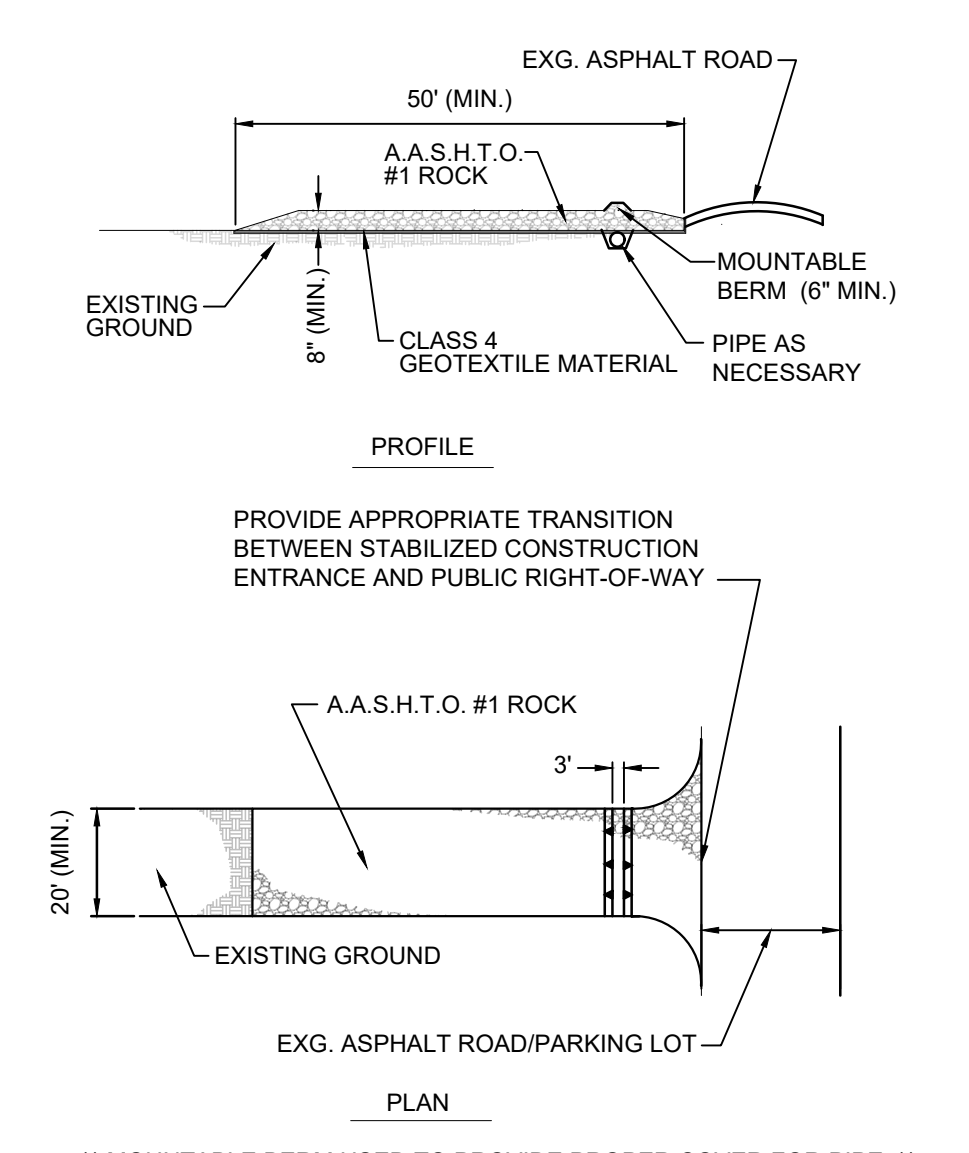
1 FILTER SOCK (TYP.) C.3.1 NOT TO SCALE



- LOCATE SUMP AT LOW POINT IN WORK AREA AND OUTSIDE OF CONSTRUCTION ACTIVITY. WHEREVER RUNOFF FROM A WORK AREA FLOWS DIRECTLY TO THE SUMP AREA, A FILTER BAG SHALL BE ATTACHED AT THE DISCHARGE POINT UNLESS PUMPING TO A SEDIMENT BASIN OR SEDIMENT TRAP.
MINIMUM DIAMETER OF PIT BOTTOM SHALL BE 24" LARGER THAN PIPE DIAMETER. MINIMUM DEPTH OF PIT SHALL BE 24" BELOW WATER LEVEL IN WORK AREA (INCLUDING THE AASHTO #57 STONE). 12" TO 24" PERFORATED CMP OR PVC PIPE SHALL BE SET ON 12" OF CLEAN AASHTO # 57 STONE.
VOID SPACE AROUND PIPE SHALL BE FILLED WITH AASHTO # 57 STONE. PIPE TO EXTEND 12" MIN. ABOVE TOP OF STONE AND/OR WATER BEING PUMPED FROM WORK AREA.
SET PUMP INTAKE INSIDE STANDPIPE.
DISCHARGE FROM PUMP SHALL BE TO A STABLE AREA BELOW DISTURBANCES FROM THE WORK ZONE.
SUMP MAY BE USED IN CONJUNCTION WITH FILTER BAG WHERE ADDITIONAL FILTERING IS NEEDED.

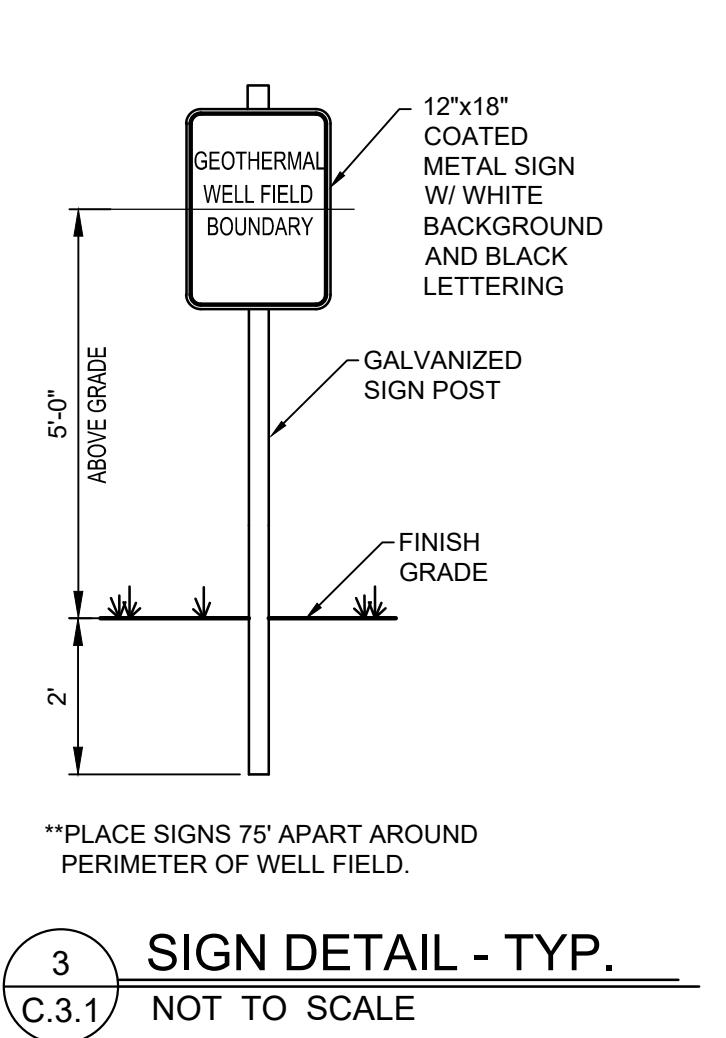
STANDARD CONSTRUCTION DETAIL #3-17 SUMP PIT

5 DE-WATERING DETAIL - SUM PIT (TYP.) C.3.1 NOT TO SCALE

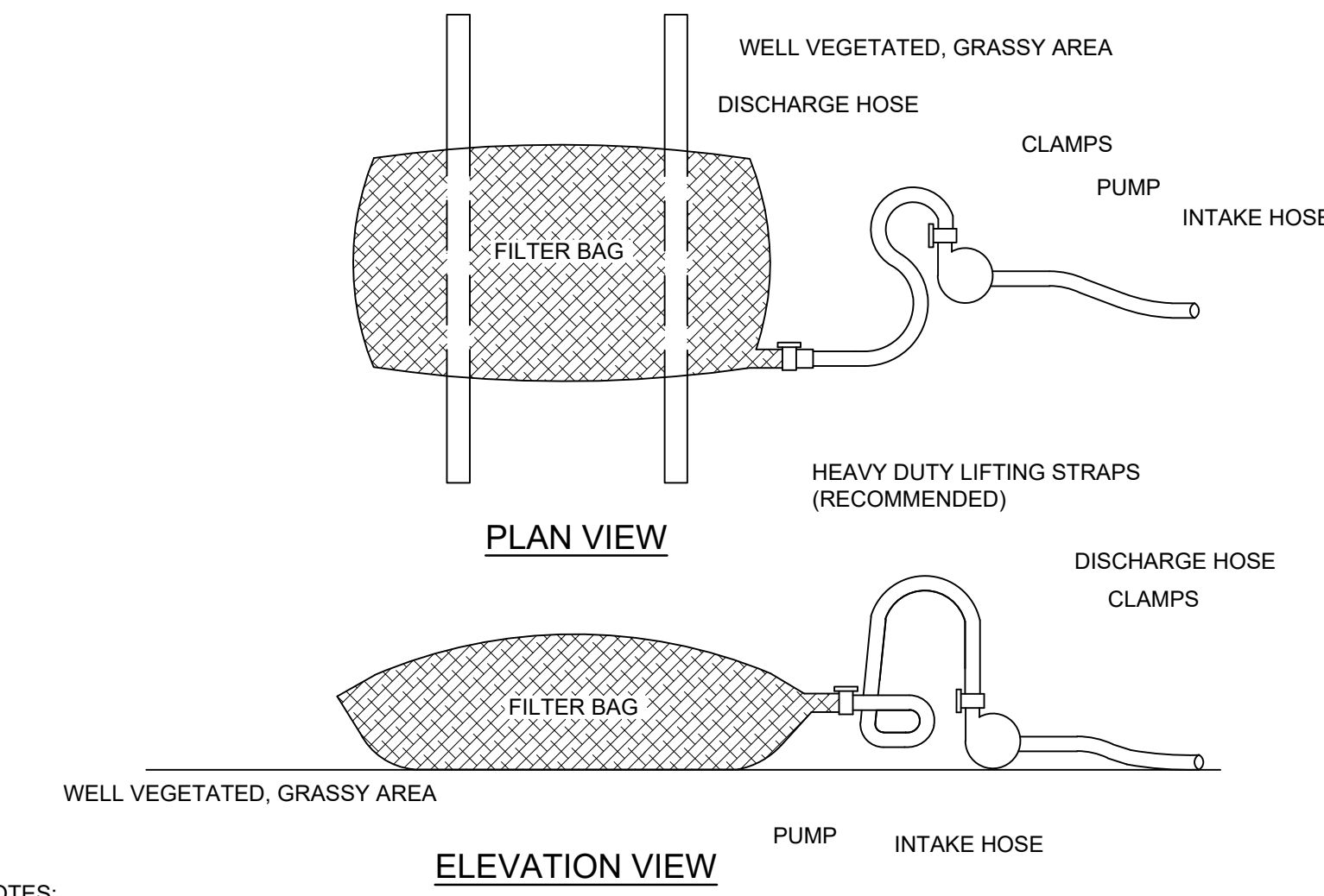


- ** MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE. **
VEHICLES AND EQUIPMENT MAY NEITHER ENTER DIRECTLY TO NOR EXIT DIRECTLY FROM THE SITE WITHOUT PASSING THRU A ROCK CONSTRUCTION ENTRANCE.
REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.
RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.
MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.
MAINTENANCE:
ROCK CONSTRUCTION ENTRANCE THICKNESS WILL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE OF ROCK MATERIAL WILL BE MAINTAINED ON THE SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50' INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITIS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

2 CONSTRUCTION ENTRANCE (TYP.) C.3.1 NOT TO SCALE



3 SIGN DETAIL - TYP. C.3.1 NOT TO SCALE



- NOTES:
LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

Table with 3 columns: PROPERTY, TEST METHOD, MINIMUM STANDARD. Rows include Avg. Wide Width Strength, Grab Tensile, Puncture, Mullen Burst, UV Resistance, and AOS % Retained.

- A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.
BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.
NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.

- THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.
THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.
FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

4 DE-WATERING DETAIL - PUMPED FILTER BAG (TYP.) C.3.1 NOT TO SCALE

STANDARD CONSTRUCTION DETAIL #3-16 PUMPED WATER FILTER BAG

FINAL DESIGN

Table with 3 columns: NO., DESCRIPTION, DATE. Includes a REVISIONS section and a signature line for the Professional's Signature and Date.

COMMONWEALTH OF PENNSYLVANIA
DEPT. OF MILITARY & VETERAN'S AFFAIRS
ANNVILLE, PENNSYLVANIA 17003

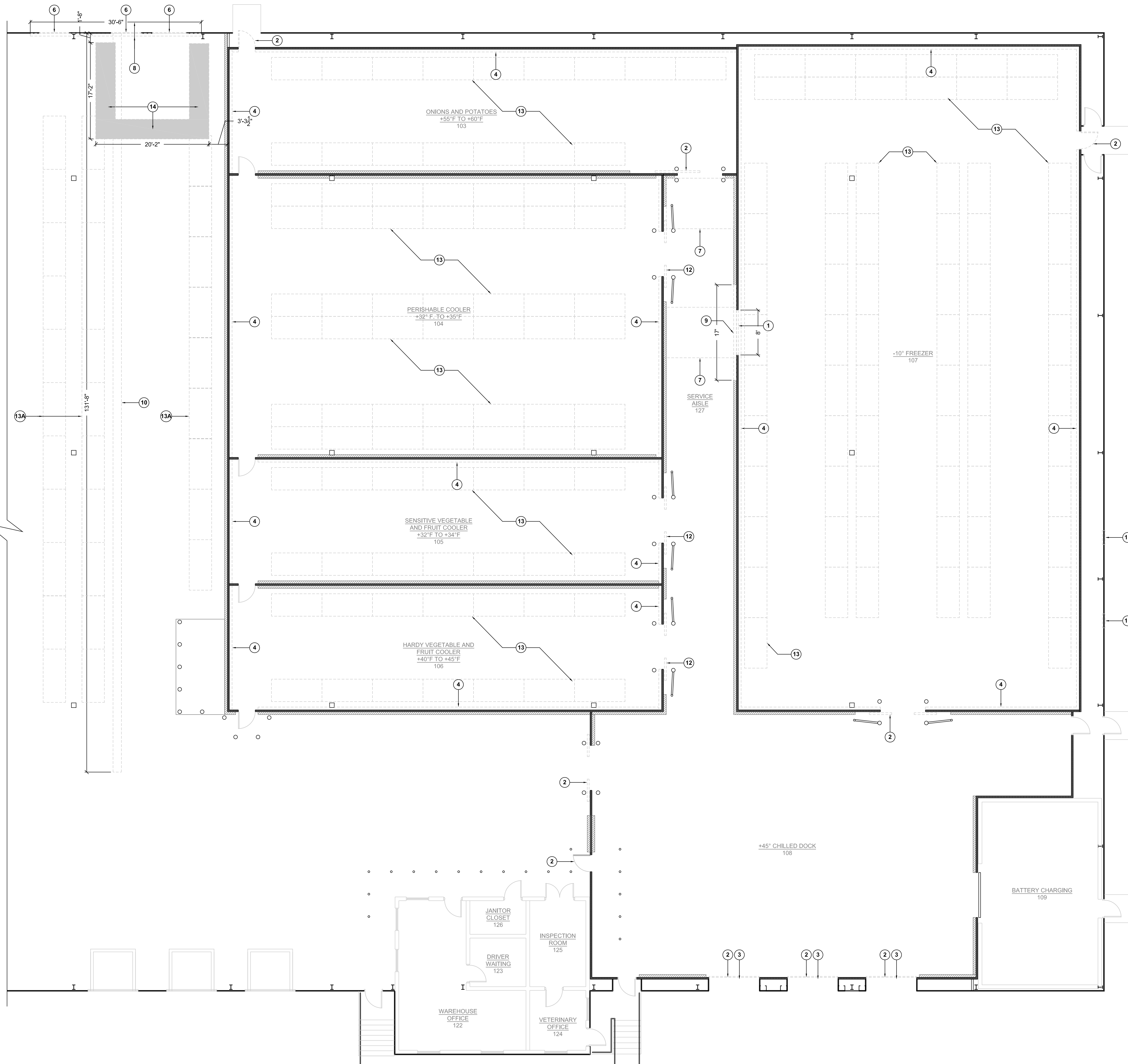
DESIGN PROFESSIONALS:
OFFICE OF FACILITIES AND ENGINEERING
BUREAU OF DESIGN AND PROJECT MANAGEMENT
BLDG. 0-10, FORT INDIANTOWN GAP
ANNVILLE, LEBANON COUNTY, PENNSYLVANIA

PROJECT NO.: 420591 (88821)
BLDG. 11-89 TISA
ENERGY UPGRADES
AREA 11, FT INDIANTOWN GAP, EAST HANOVER TWP.
LEBANON COUNTY, PENNSYLVANIA 17003

E&S NOTES AND DETAILS

VERIFY SCALE
BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING.
0 1
IF BAR IS NOT ONE (1) INCH LONG, ADJUST SCALE ACCORDINGLY.
CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.

Table with 3 columns: DRAWN BY, DATE, DRAWING NO. Includes fields for K. LLOYD, 29 APR 2024, and C.3.1.



DEMO FLOOR PLAN - AREA 'B'
SCALE: 1/8" = 1'-0"

GENERAL DEMOLITION NOTES

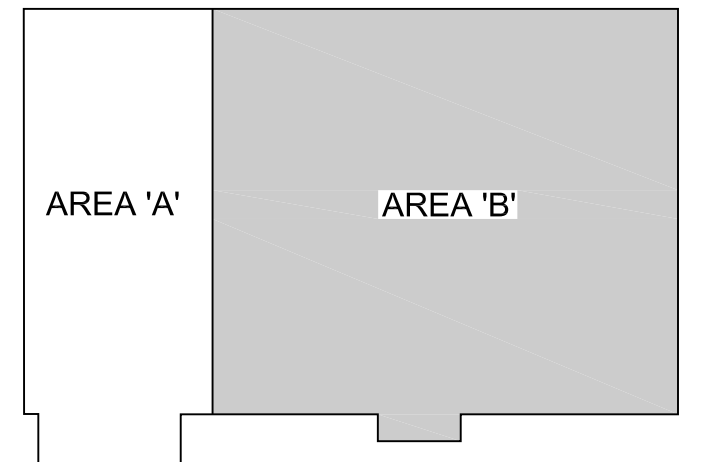
- UNLESS STATED OTHERWISE WITHIN THE PROJECT DESIGN DOCUMENTS, THE GENERAL CONTRACTOR (G.C.) IS RESPONSIBLE FOR THE DEMOLITION WORK AS DEPICTED ON THIS PLAN AND THROUGHOUT ANY ADDITIONAL PROJECT DESIGN DOCUMENTS.
- ALL MATERIALS AND DEBRIS ASSOCIATED WITH THE DEMOLITION OF THE EXISTING FACILITY BECOMES THE SOLE PROPERTY AND RESPONSIBILITY OF THE CONTRACTOR. EXCEPT FOR ALL RECYCLABLE MATERIALS SHALL BE RETURNED TO THE DEPARTMENT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER DISPOSAL OF ALL CONSTRUCTION DEBRIS AND MATERIALS.
 - CONCRETE SPOILS TO BE TRANSPORTED OFF-SITE.
- CONTRACTOR SHALL PROVIDE DUMPSTERS AND OTHER DISPOSAL APPURTENANCES NEEDED FOR THE DEMOLITION PHASE OF THIS PROJECT.
- COOLER/FREEZER WALLS NEED TO BE TEMPORARILY SUPPORTED DURING CEILING PANEL DEMOLITION AND INSTALL.
- REFER TO 'CEILING PANEL SUPPORT DETAIL' AND 'SPRINKLER HEAD PENETRATION DETAIL' ON DWG. A.3.2.

KEYED DEMOLITION NOTES

1	REMOVE INSULATED WALL PANEL AND ASSOCIATED ITEMS.
2	REMOVE DOOR, FRAME/TRACK AND ASSOCIATED ITEMS.
3	REMOVE DOCK SEALS, HEAD PADS AND ASSOCIATED ITEMS.
4	REMOVE CONCRETE CURB (HEIGHTS VARY) AND ASSOCIATED ITEMS. REFER TO 'CONCRETE CURB - EXISTING CONDITIONS' DETAIL ON DWG. A.3.1.
5	REMOVE CONCRETE GUARD POSTS. FOR EXISTING CONDITIONS REFER TO DETAILS ON DWG. A.3.2.
6	REMOVE PORTION OF METAL WALL PANEL AND VINYL FACED INSULATION IN PREPARATION FOR NEW DOOR/EXPLOSION RELIEF VENT OPENINGS.
7	GRIND AND REMOVE CONCRETE AND ASSOCIATED ITEMS IN THIS AREA IN PREPARATION FOR NEW IN FLOOR HEATING PAD. REFER TO DETAIL ON DWG. A.3.2 FOR DEPTH.
8	REMOVE CONCRETE CURB AND ASSOCIATED ITEMS IN PREPARATION FOR NEW CONSTRUCTION. REFER TO 'CONCRETE CURB - EXISTING CONDITIONS' DETAIL ON DWG. A.3.1.
9	REMOVE 17'-0" +/- OF CONCRETE CURB (AISLE SIDE) AND ASSOCIATED ITEMS FOR NEW FREEZER DOOR OPENING. REFER TO 'CONCRETE CURB - EXISTING CONDITIONS' DETAIL ON DWG. A.3.1.
10	SAW CUT EXISTING CONCRETE SLAB; 18" WIDE BY DIMENSION SHOWN ON PLAN FOR PLUMBING TRENCH. EXCAVATE EXISTING SUBSTRATE MATERIALS TO DEPTH SHOWN ON 'TRENCH DETAIL.' COORDINATE WITH .3 CONTRACTOR.
11	REMOVE EXISTING STEEL FRAME FOR LOUVER. RELOCATE ABOVE FIRST GIRT; .2 CONTRACTOR TO REMOVE LOUVER AND REMOUNT IN NEW FRAME LOCATION.
12	BASE BID 3: REMOVE DOOR, FRAME/TRACK AND ASSOCIATED ITEMS.
13	REMOVE AND REINSTALL SHELVING RACKS. RACKS TO BE STORED IN AREA 'A' - FINAL LOCATION TO BE DETERMINED IN THE FIELD. COORDINATE WITH FIRE PROTECTION CONTRACTOR PRIOR TO REMOVAL.
13A	REMOVE SHELVING RACKS. RETURN TO THE DEPARTMENT. COORDINATE WITH FIRE PROTECTION CONTRACTOR PRIOR TO REMOVAL.
14	SAW CUT EXISTING CONCRETE SLAB; 3'-6" WIDE BY DIMENSIONS SHOWN ON PLAN FOR FOOTER. EXCAVATE EXISTING SUBSTRATE MATERIALS TO DEPTH SHOWN ON 'FOOTER DETAIL.' REFER TO 'FOOTER PLAN' AND 'FOOTER DETAIL' ON DWG. S.1.1.

LEGEND

	EXISTING INSULATED WALL PANEL TO REMAIN
	EXISTING CONCRETE CURB TO REMAIN



KEY PLAN
NOT TO SCALE

FINAL DESIGN

NO.	DESCRIPTION	DATE

Professional's Signature _____ Date _____

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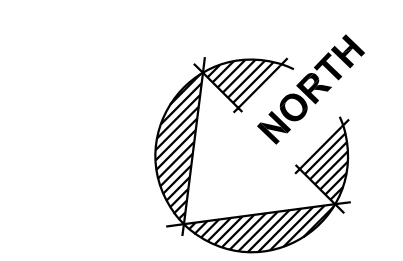
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BUREAU OF DESIGN AND PROJECT MANAGEMENT
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ANNVILLE, LEBANON COUNTY, PENNSYLVANIA

PROJECT NO.: 420591(88821)

**BLDG. 11-89 TISA
ENERGY UPGRADES**
AREA 11, FT INDIANTOWN GAP, EAST HANOVER TWP
LEBANON COUNTY, PENNSYLVANIA

DEMO PLAN - AREA 'B'

DRAWN BY M.MORRIS	DATE 29 APR 2024	DRAWING NO. AD.1.0
CHECKED BY J. NYE	SCALE AS NOTED	



VERIFY SCALE

BAR IS ONE (1) INCH LONG
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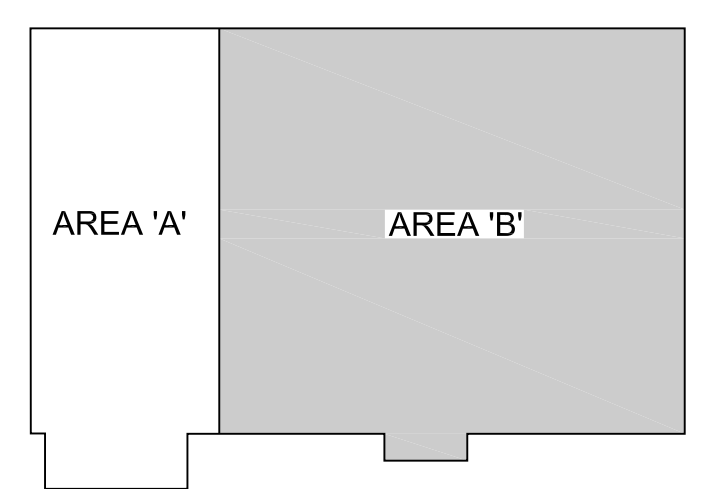
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DEMO CEILING PLAN - AREA 'B'
SCALE: 1/8" = 1'-0"

- GENERAL DEMOLITION NOTES**
1. UNLESS STATED OTHERWISE WITHIN THE PROJECT DESIGN DOCUMENTS, THE GENERAL CONTRACTOR (G.C.) IS RESPONSIBLE FOR THE DEMOLITION WORK AS DEPICTED ON THIS PLAN AND THROUGHOUT ANY ADDITIONAL PROJECT DESIGN DOCUMENTS.
 2. ALL MATERIALS AND DEBRIS ASSOCIATED WITH THE DEMOLITION OF THE EXISTING FACILITY BECOMES THE SOLE PROPERTY AND RESPONSIBILITY OF THE CONTRACTOR. EXCEPT FOR ALL RECYCLABLE MATERIALS SHALL BE RETURNED TO THE DEPARTMENT.
 3. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER DISPOSAL OF ALL CONSTRUCTION DEBRIS AND MATERIALS.
 - 3.1. CONCRETE SPOILS TO BE TRANSPORTED OFF-SITE.
 4. CONTRACTOR SHALL PROVIDE DUMPSTERS AND OTHER DISPOSAL APPURTENANCES NEEDED FOR THE DEMOLITION PHASE OF THIS PROJECT.
 5. COOLER/FREEZER WALLS NEED TO BE TEMPORARILY SUPPORTED DURING CEILING PANEL DEMOLITION AND INSTALL.
 6. REFER TO 'CEILING PANEL SUPPORT DETAIL' AND 'SPRINKLER HEAD PENETRATION DETAIL' ON DWG. A.3.2.

- KEYED CEILING DEMOLITION NOTES**
- | | |
|---|---|
| 1 | REMOVE INSULATED CEILING PANELS AND ASSOCIATED ITEMS. |
| 2 | REMOVE CEILING PANEL HANGERS, THREADED RODS AND ASSOCIATED ITEMS. |



KEY PLAN
NOT TO SCALE

FINAL DESIGN

NO.	DESCRIPTION	DATE
REVISIONS		

Professional's Signature _____ Date _____

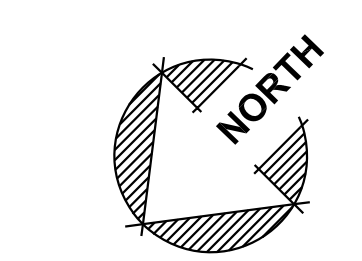
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PROJECT NO.: 420591(88821)

**BLDG. 11-89 TISA
ENERGY UPGRADES**
AREA 11, FT INDIANTOWN GAP, EAST HANOVER TWP
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DEMO CLG. PLAN - AREA 'B'

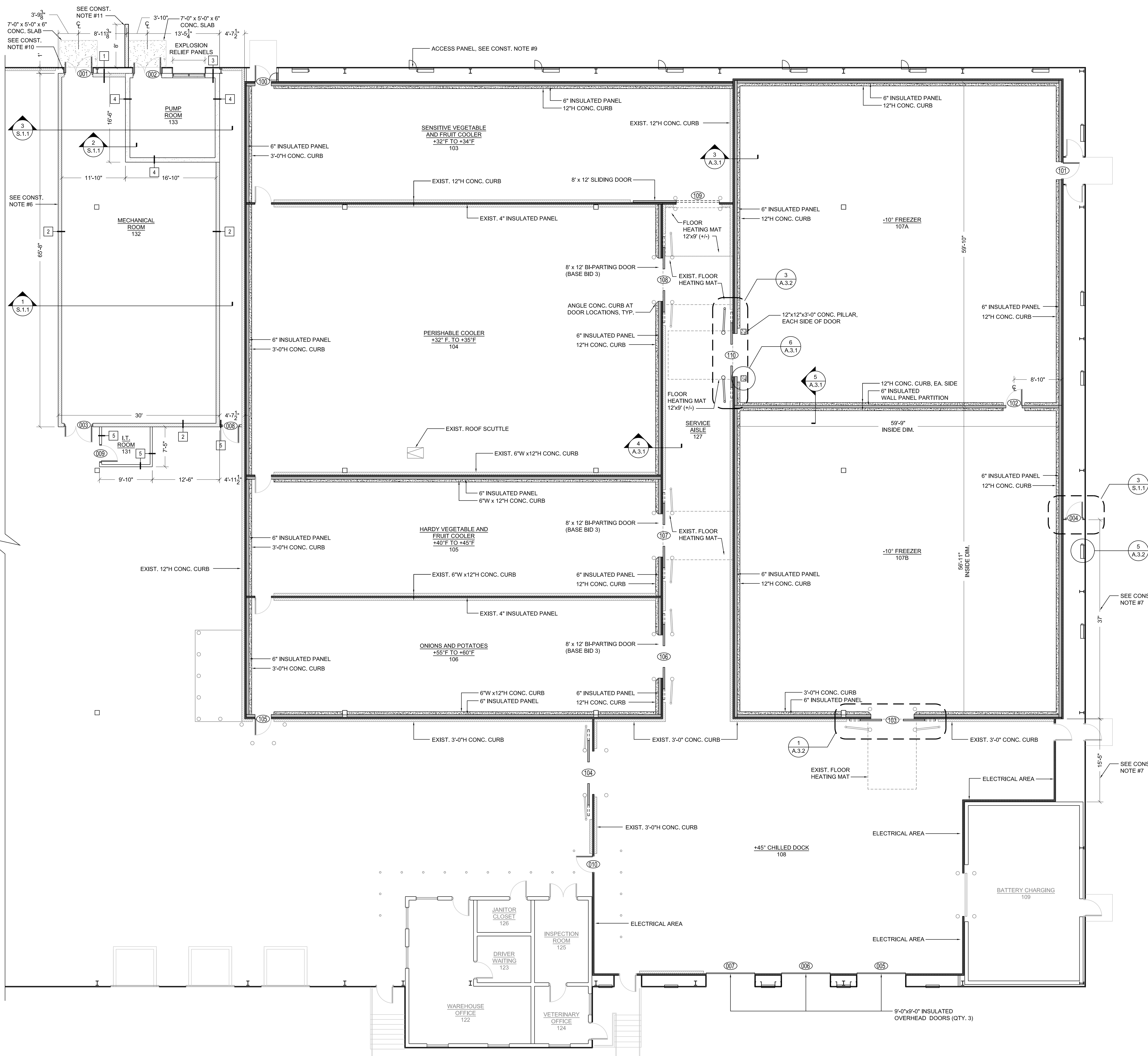


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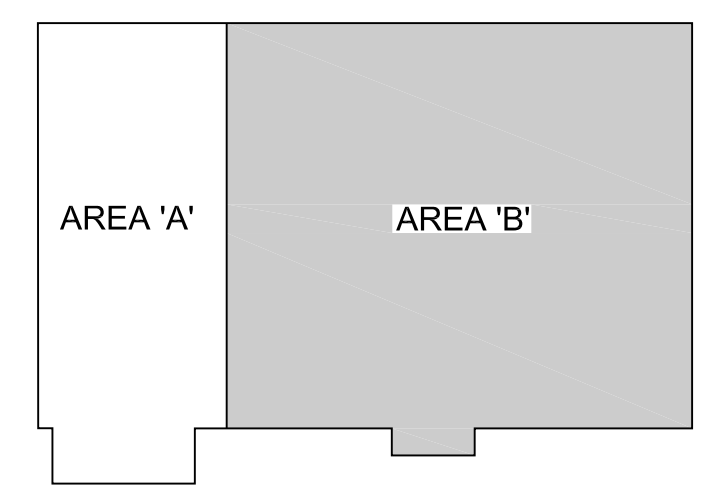
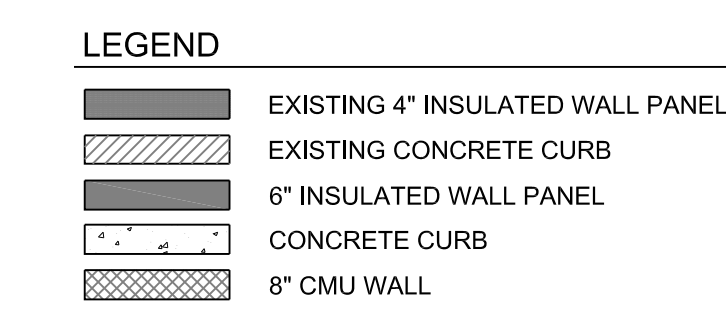
CONTRACTOR SHALL FIELD VERIFY
ALL DIMENSIONS.
VARIANCE FROM CONTRACT
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DRAWN BY M.MORRIS	DATE 29 APR 2024	DRAWING NO. AD.1.1
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- CONSTRUCTION NOTES:**
- INSULATED METAL PANEL MANUFACTURER IS RESPONSIBLE FOR PROVIDING WALL AND CEILING PANEL CONNECTIONS, UNLESS SPECIFICALLY NOTED OTHERWISE AND SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL FROM THE DEPARTMENT PRIOR TO STARTING WORK.
 - INTERIOR COOLER/FREEZER HEIGHT IS 34'-6"±.
 - INSTALL CONCRETE CURBING AT ALL NEW WALL PANEL LOCATIONS, TYP. SEE DETAILS ON DWG. A.3.1.
 - INSTALL GUARD POSTS AT SLIDING DOOR LOCATIONS, TYP.
 - IN-FLOOR HEATING PAD, REFER TO DETAIL ON DWG. A.3.2.
 - INSTALL SIGNAGE EVERY 6'-0" - PERIMETER OF MECHANICAL ROOM 131 WALL. REFER TO SIGN DETAIL ON DWG. A.2.1.
 - INSULATE EXTERIOR WALL, REFER TO DETAIL 6 / S.1.1.
 - CONTRACTOR SHALL PROVIDE ANCHOR BOLTS AND BEAM CLAMPS FOR INSTALLATION OF COOLER/FREEZER WALL AND CEILING PANELS.
 - INSTALL 24x24 (QTY. 6) ACCESS PANELS AS SHOWN ON PLAN 9.1. ACCESS PANELS SHALL BE WATER RESISTANT AND LOCKABLE.
 - FRAME AND DOOR PANEL FINISH: 16 GA. GALVANIZED STEEL w/ WHITE PRIME COAT.
 - PROVIDE FRAMING, METAL WALL PANELS, TRIM AND ASSOCIATED ITEMS TO FINISH EACH OPENING AT MECHANICAL AND PUMP ROOM LOCATIONS, REFER TO SECTIONS / DETAILS ON DWG. S.1.1.
 - CMU WING WALL - REFER TO DETAIL ON DWG. S.1.1.

- GENERAL NOTES:**
- ALL CONTRACTORS SHALL BE AWARE OF THE FACT THAT ALL DRAWINGS PROVIDED FOR THIS PROJECT ARE DIAGRAMMATIC IN NATURE AND REQUIRES FIELD VERIFICATION FOR ACTUAL SITE CONDITIONS THAT WILL EFFECT PROJECT EXECUTION, EXACT QUANTITIES AND DETAILS. THIS DRAWING SHALL NOT BE SCALED FOR DIMENSIONS AND/OR DISTANCES.
 - PERFORM ALL WORK IN COMPLIANCE WITH THE APPLICABLE CODES AND STANDARDS.
 - THE JOB SITE SHALL BE MAINTAINED IN A REASONABLY NEAT AND ORDERLY CONDITION AND KEPT FREE FROM ACCUMULATIONS OF WASTE MATERIALS AND RUBBISH DURING THE ENTIRE CONSTRUCTION PERIOD.
 - ALL CONTRACTORS SHALL COORDINATE THEIR WORK AND COOPERATE WITH OTHER TRADES.
 - LOCATIONS OF ALL ROOF, WALL, AND CEILING PENETRATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
 - ALL REMOVED LOCK CORES SHALL BE RETURNED TO THE DEPARTMENT.
 - EACH PRIME CONTRACTOR IS RESPONSIBLE FOR ALL WORK ASSOCIATED WITH ITS OWN TRADE UNLESS SPECIFICALLY INDICATED OTHERWISE.



KEY PLAN
NOT TO SCALE

FINAL DESIGN

NO.	DESCRIPTION	DATE
REVISIONS		

Professional's Signature _____ Date _____

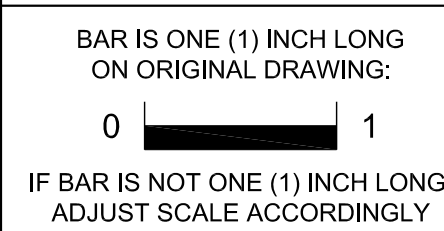
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PROJECT NO.: 420591(88821)
**BLDG. 11-89 TISA
ENERGY UPGRADES**
AREA 11, FT INDIANTOWN GAP, EAST HANOVER TWP
LEBANON COUNTY, PENNSYLVANIA

FLOOR PLAN - AREA 'B'

VERIFY SCALE



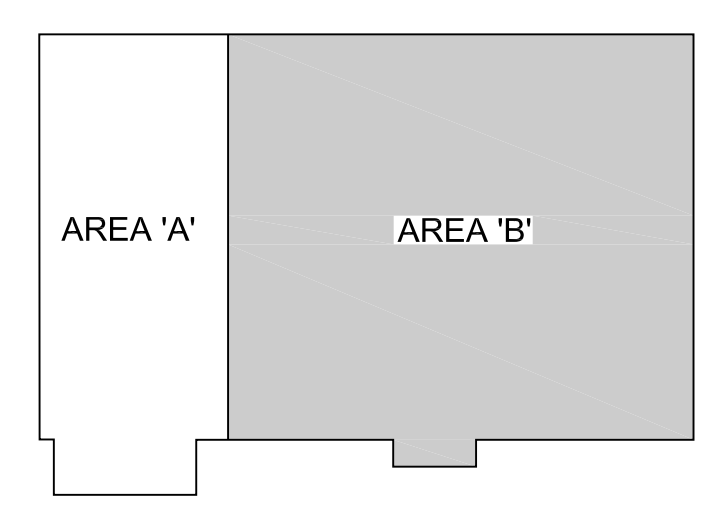
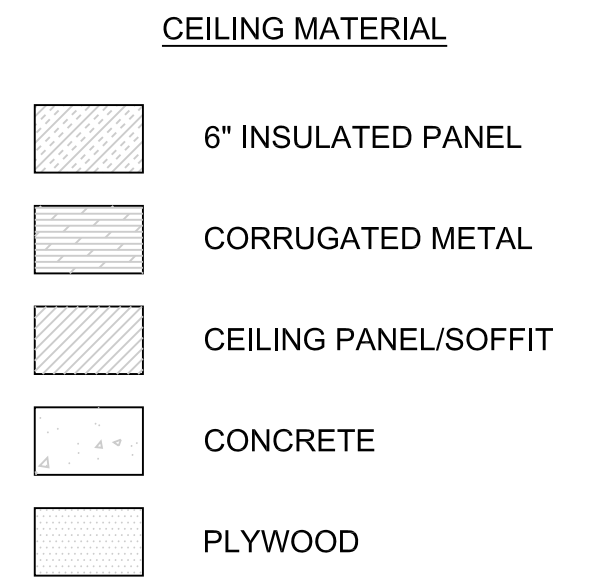
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CHECKED BY J. NYE	SCALE AS NOTED	

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



- CEILING FINISH NOTES:**
1. GENERAL CONTRACTOR SHALL COORDINATE ALL WORK WITH 2, 3 AND 4 CONTRACTORS.
 2. 6" INSULATED CEILING PANELS AT FREEZER AND COOLER LOCATIONS.
 3. PROVIDE THREADED RODS AND ASSOCIATED ITEMS TO ATTACH CEILING PANELS TO STRUCTURE ABOVE.
 4. BAR JOISTS AT 4'-0" O.C. ATTACHED SHORTEST SPAN, 1-1/2" MTL. DECKING ATTACHED TO JOISTS. REFER TO SECTION / DETAIL ON DWG. S.1.1.
 5. BAR JOISTS AT 4'-0" O.C. ATTACHED SHORTEST SPAN, 1-1/2" MTL. DECKING ATTACHED TO JOISTS AND 4" CONCRETE DECK OVER. REFER TO SECTION / DETAIL ON DWG. S.1.1.
 6. THIS AREA TO RECEIVE FRAMING AND INSULATED CEILING PANELS. REFER TO SECTION / DETAIL ON DWG. S.1.1.
 7. I.T. ROOM 131 TO RECEIVE 4" MTL. JOISTS @ 16" O.C. ATTACHED SHORTEST SPAN, 2" PLYWOOD ATTACHED TO NEW FRAMING.



KEY PLAN
NOT TO SCALE

FINAL DESIGN

NO.	DESCRIPTION	DATE
REVISIONS		

Professional's Signature _____ Date _____

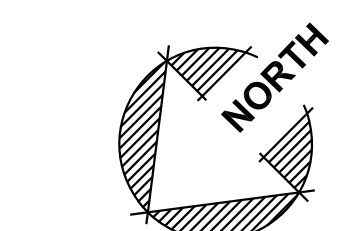
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AREA 11, FT INDIANTOWN GAP, EAST HANOVER TWP
LEBANON COUNTY, PENNSYLVANIA

CEILING PLAN - AREA 'B'



VERIFY SCALE

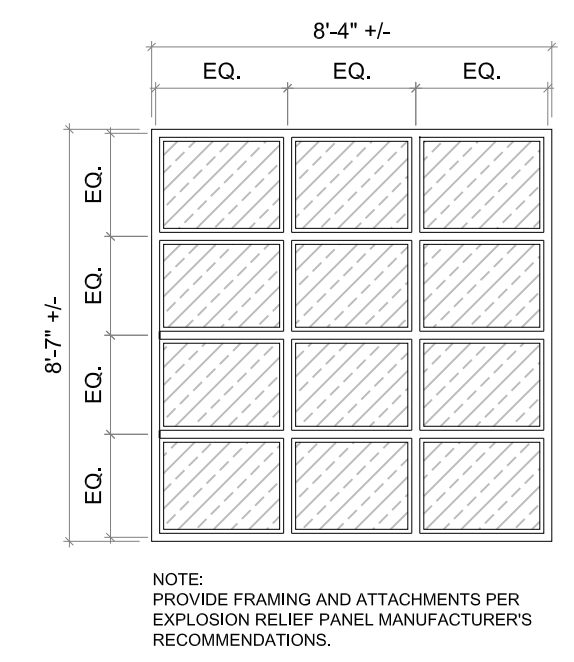
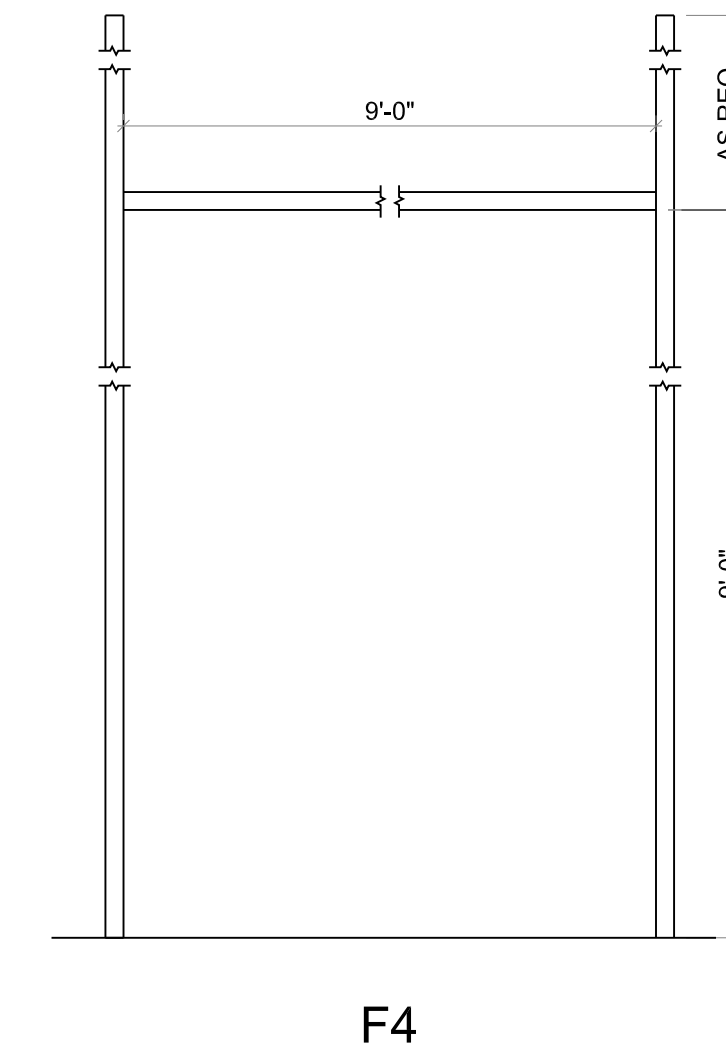
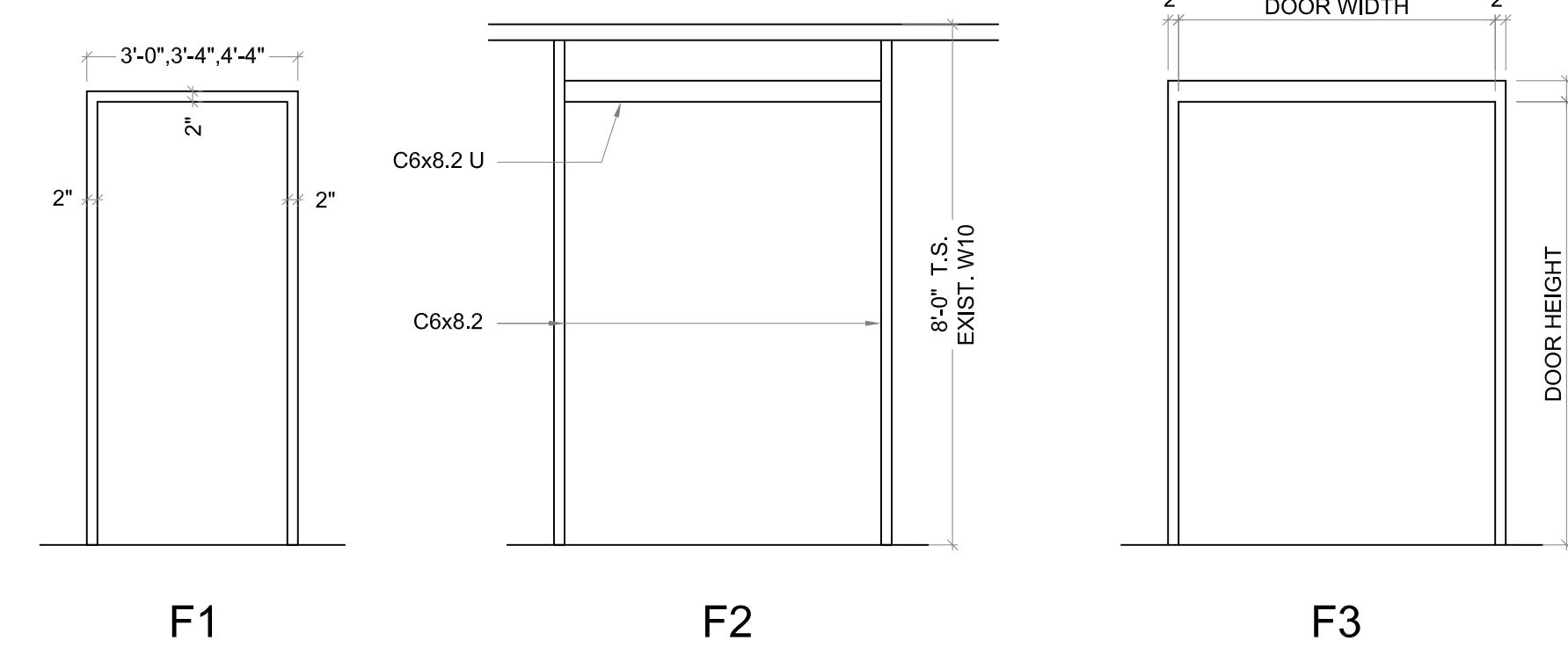
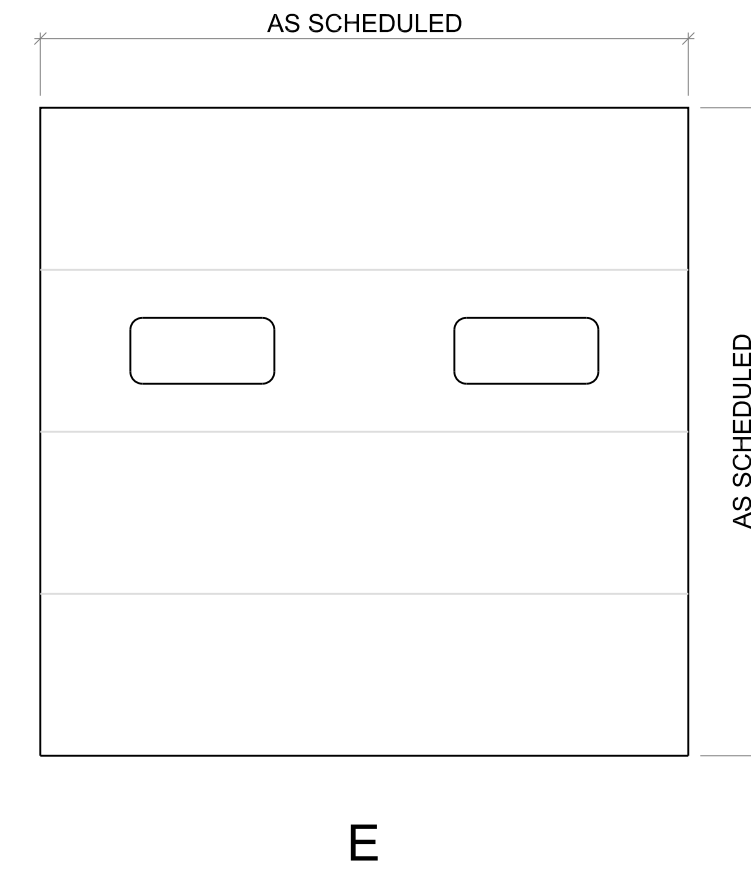
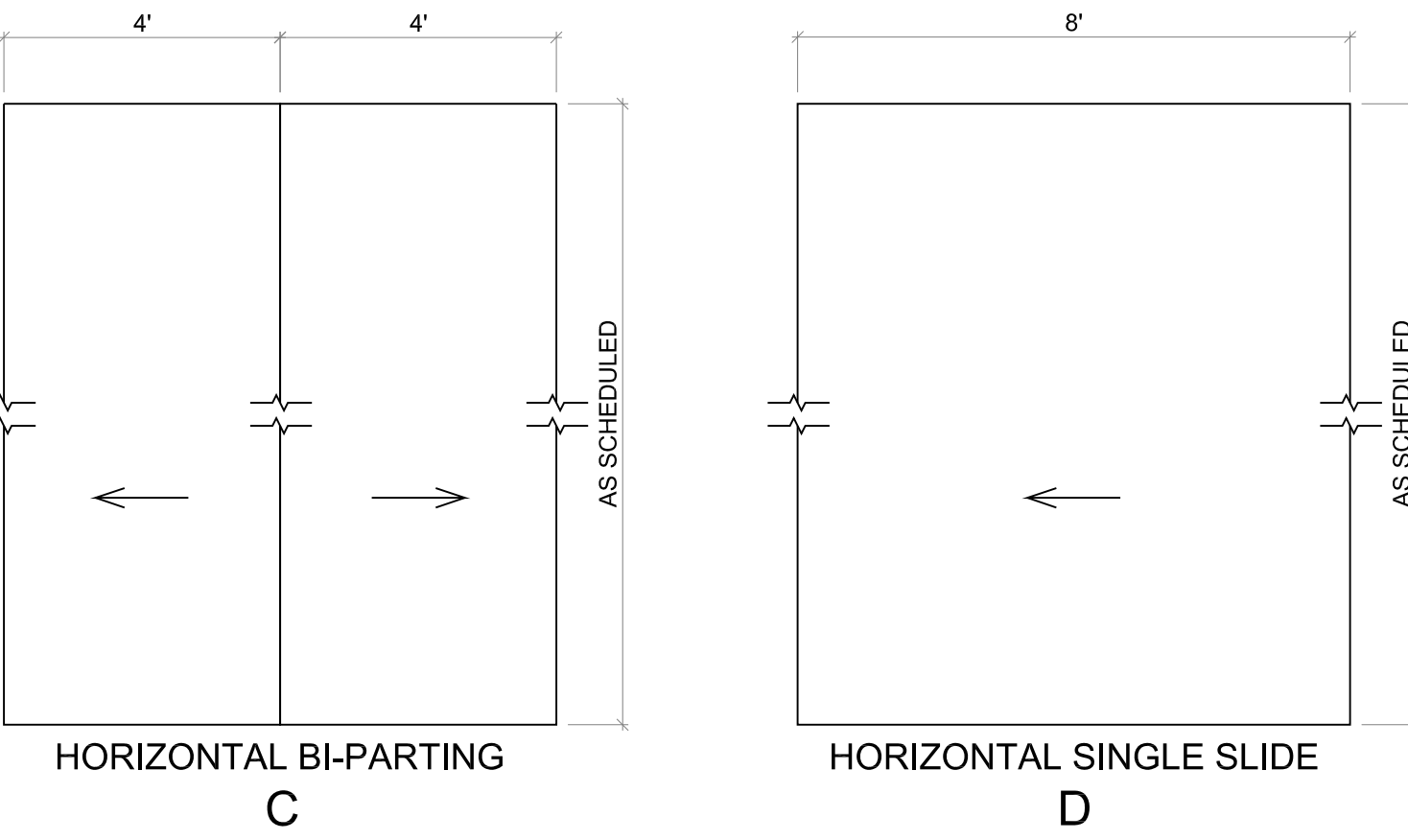
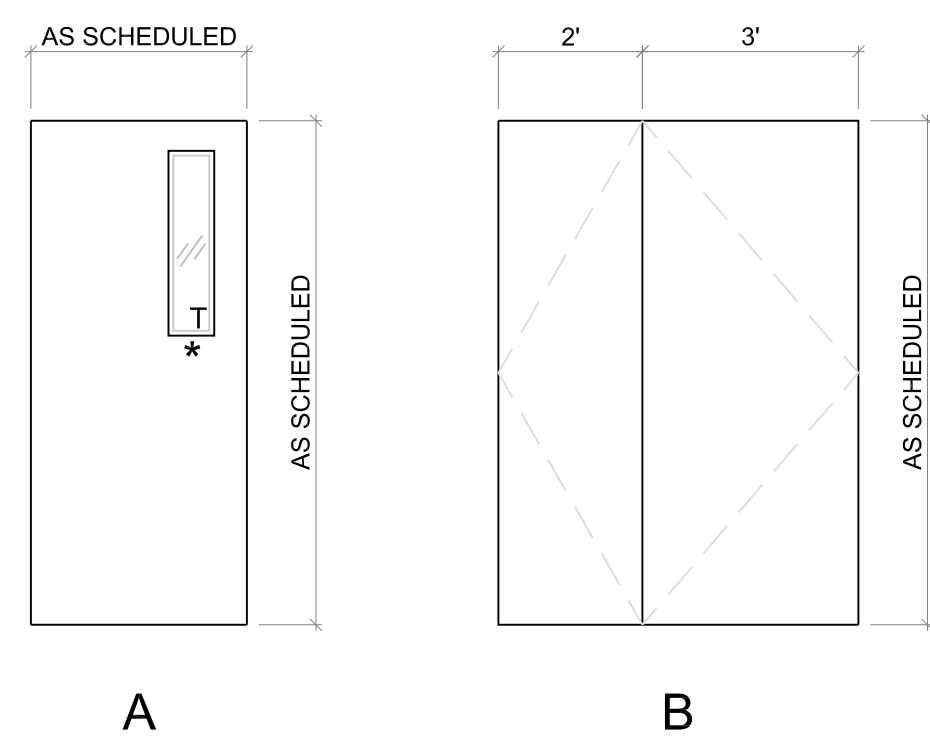
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DRAWING NO.
A.1.2

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



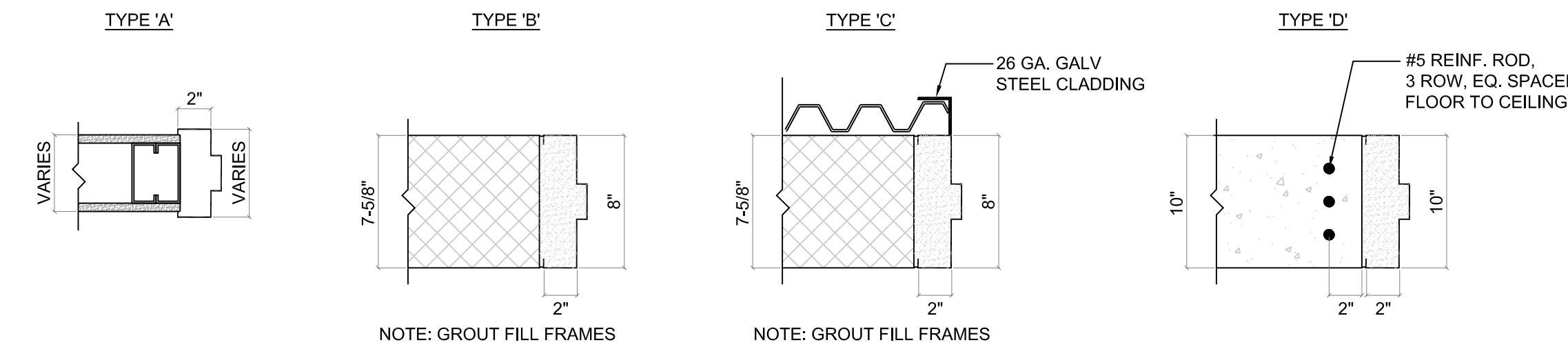
DOOR TYPES
SCALE: 1/8" = 1'-0"

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

EXPLOSION RELIEF PANELS
SCALE: 1/8" = 1'-0"

DOOR NO.	DOOR AND FRAME SCHEDULE										DOOR NO.				
	DOOR				FRAME			HARDWARE				REMARKS			
	SIZE	MATL	TYPE	GLASS TYPE	MATL	TYPE	JAMB DET.	SET NO.	KEY SIDE	CLOSER SIDE					
001	2'-0"	3'-0"	7'-0"	1-3/4"	H.M.	B		H.M.	F2	C	1	EXTERIOR	RM 131	2 HR FIRE RATED	001
002	2'-0"	3'-0"	7'-0"	1-3/4"	H.M.	B		H.M.	F2	D	1	EXTERIOR	RM 132	2 HR FIRE RATED	002
003	2'-0"	3'-0"	7'-0"	1-3/4"	H.M.	B		H.M.	F2	B	1	AREA 'A'	RM 131	2 HR FIRE RATED	003
004	3'-0"	7'-0"	1-3/4"	H.M.	A			H.M.	F1	-	4				004
005	9'-0"	9'-0"	1-5/8"	STEEL	E	DBL INSUL	STEEL	F4	E	3				VERTICAL LIFT	005
006	9'-0"	9'-0"	1-5/8"	STEEL	E	DBL INSUL	STEEL	F4	E	3				VERTICAL LIFT	006
007	9'-0"	9'-0"	1-5/8"	STEEL	E	DBL INSUL	STEEL	F4	E	3				VERTICAL LIFT	007
008	3'-0"	7'-0"	1-3/4"	H.M.	A			H.M.	F1	A	2	AREA 'A'			008
009	3'-0"	7'-0"	1-3/4"	H.M.	A			H.M.	F1	A	2	AREA 'A'			009
010	3'-0"	7'-0"	1-3/4"	H.M.	A*	6x30		H.M.	F1	A	2	AREA 'A'	RM 108	INSULATED CORE	010

NOTE:
1. DOORS 005, 006, 007: PROVIDE DOCK SEAL WITH HEAD PAD.



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

DOOR NO.	COOLER AND FREEZER DOOR SCHEDULE										DOOR NO.		
	DOOR				FRAME			HARDWARE				REMARKS	
	SIZE	MATL	FINISH	TYPE	MATL	JAMB DET.	OPERATION	HEATER	CABLE				
100	3'-0"	7'-0"	4"	MTL CLAD	GALV	A	GALV STL	G	YES	MANUAL	PROVIDE PANIC BAR HARDWARE	100	
101	3'-0"	7'-0"	4"	MTL CLAD	GALV	A	GALV STL	G	YES	MANUAL	PROVIDE PANIC BAR HARDWARE, NO EXTERIOR HARDWARE	101	
102	3'-0"	7'-0"	4"	MTL CLAD	GALV	A	GALV STL	G	YES	MANUAL	PROVIDE PANIC BAR HARDWARE	102	
103	4'-0"	4'-0"	12'-0"	4"	MTL CLAD	GALV	C	GALV STL	F	YES	AUTOMATIC		103
104	4'-0"	4'-0"	12'-0"	4"	MTL CLAD	GALV	C	GALV STL	F		AUTOMATIC		104
105	NOT USED												
106	4'-0"	4'-0"	12'-0"	4"	MTL CLAD	GALV	C	GALV STL	F		AUTOMATIC	BASE BID 3	106
107	4'-0"	4'-0"	12'-0"	4"	MTL CLAD	GALV	C	GALV STL	F		AUTOMATIC	BASE BID 3	107
108	4'-0"	4'-0"	12'-0"	4"	MTL CLAD	GALV	C	GALV STL	F		AUTOMATIC	BASE BID 3	108
109	8'-0"	12'-0"	4"	MTL CLAD	GALV	D	GALV STL	F	YES	AUTOMATIC			109
110	4'-0"	4'-0"	12'-0"	4"	MTL CLAD	GALV	C	GALV STL	F	YES	AUTOMATIC		110

HARDWARE SET #1
HINGES: HEAVY DUTY, 5 KNUCKLE, FULL MORTISE
OPENING DEVICE: ACTIVE LEAF - LEVER HANDLE w/ KEYS CORE
INACTIVE LEAF - NONE
LOCKING DEVICE: ACTIVE LEAF - CYLINDRICAL LOCK
INACTIVE LEAF - MANUAL FLUSH BOLTS, TOP AND BOTTOM
EXITING DEVICE: ACTIVE LEAF - TOUCH BAR
INACTIVE LEAF - NONE
CLOSER: ACTIVE LEAF - TOP SURFACE MOUNT ON DOOR w/ 120° PARALLEL ARM
INACTIVE LEAF - NONE

HARDWARE SET #3
MANUFACTURER'S STANDARD HARDWARE

HARDWARE SET #4
HINGES: 5 KNUCKLE, FULL MORTISE
OPENING DEVICE: LEVER HANDLE
LOCKING DEVICE: NONE
EXITING DEVICE: LEVER HANDLE
CLOSER: TOP SURFACE MOUNT ON DOOR w/ 120° PARALLEL ARM

HARDWARE SET #2
HINGES: 5 KNUCKLE, FULL MORTISE
OPENING DEVICE: LEVER HANDLE w/ KEYS CORE
LOCKING DEVICE: CYLINDRICAL LOCK
EXITING DEVICE: LEVER HANDLE
CLOSER: TOP SURFACE MOUNT ON DOOR w/ 120° PARALLEL ARM

NOTES:
1. ALL LOCK CYLINDER SHALL BE 'BEST ACCESS SYSTEMS CORE.' NO SUBSTITUTION.
2. ALL EXTERIOR HARDWARE SETS SHOULD ALSO INCLUDE WEATHERSTRIPPING, DOOR SWEEP (NEOPRENE), AND A THRESHOLD.
3. PROVIDE KICKPLATES ON ALL PERSONNEL DOORS.

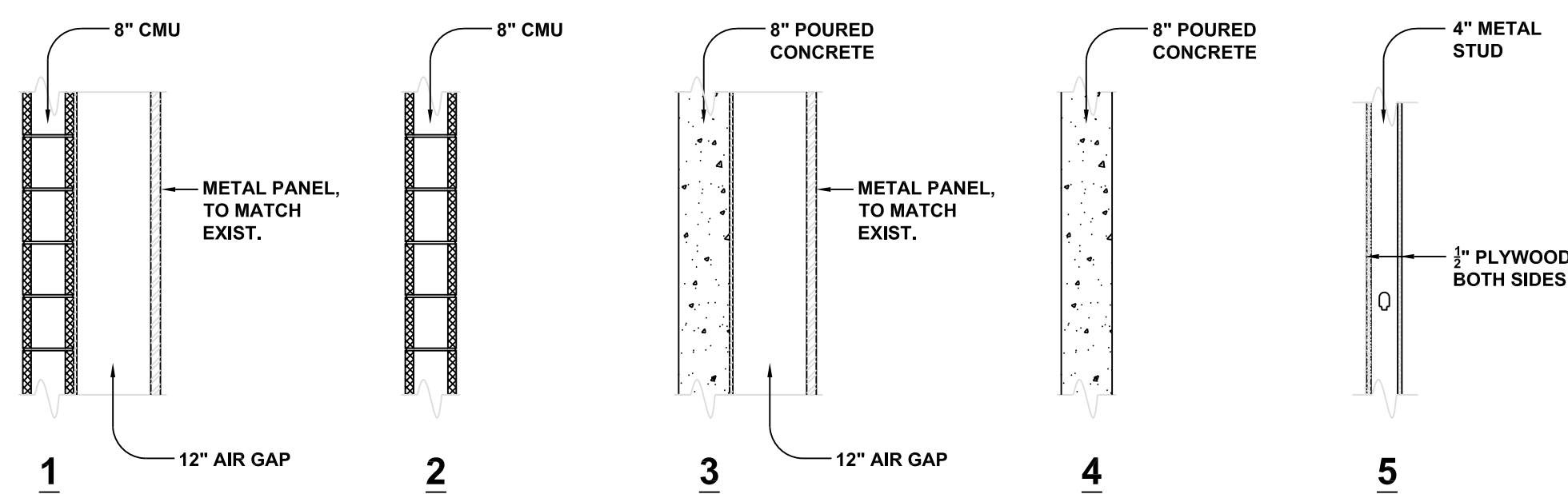
CAUTION
STORAGE NOT PERMITTED

NOTES:
1. SIZE: 14x10
2. MATERIAL: 55 MIL PLASTIC
3. SHAPE: HORIZONTAL w/ ROUNDED CORNERS AND PRE-PUNCHED HOLES
4. COLOR: YELLOW w/ BLACK LETTERING
SIGNAGE DETAIL
SCALE: 1/2" = 1'-0"

MARK	LOCATION	SIZE	M.O.	DETAIL	REMARKS
L1	DOORS 001 & 003	(2) 4' x 8' PRECAST CONCRETE EA. w/ (1) #4 T&B	6'-4" MAX.	[Symbol]	8" CMU WALLS
L2	DOOR 002	8x10, 3/4" x 7 1/2" STEEL PLATE	6'-4" MAX.	[Symbol]	10" CONC. WALL

NOTES:
1. ALL LINTELS SHALL BEAR 8" MINIMUM EACH SIDE OF MASONRY OPENING.
2. PROVIDE (2) #5 @ LINTEL BRG. FOR JAMB REINFORCEMENT, TYP.
3. ALL STEEL LINTELS SHALL BE SHOP PRIMED & FIELD PAINTED.

WALL TYPES

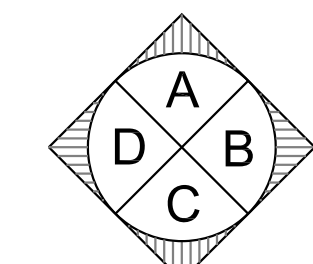


NOTE:
WALL TYPES 1 & 3 - PROVIDE FRAMING, METAL PANELS AND TRIM TO ENCLOSE SPACE AT DOOR AND EXPLOSION RELIEF PANEL LOCATIONS.

RM. NO.	ROOM NAME	FLOOR MATERIAL	BASE MATERIAL	WALLS				CEILING		REMARKS	RM. NO.
				WALL 'A'	WALL 'B'	WALL 'C'	WALL 'D'	MATERIAL	HGT.		
131	I.T. ROOM	EXIST.		PAINT PLYWOOD	PAINT PLYWOOD	PAINT PLYWOOD	PAINT PLYWOOD	PAINT PLYWOOD	9'-0" +/-		131
132	MECHANICAL ROOM	EXIST.		PAINT C.M.U.	PAINT C.M.U.	PAINT C.M.U.	PAINT C.M.U.	METAL DECK	12'-0" +/-		132
133	PUMP ROOM	EXIST.		CONCRETE	CONCRETE	CONCRETE	CONCRETE	METAL DECK	12'-0" +/-		133

FINAL DESIGN

NO.	DESCRIPTION	DATE



ELEVATION KEY

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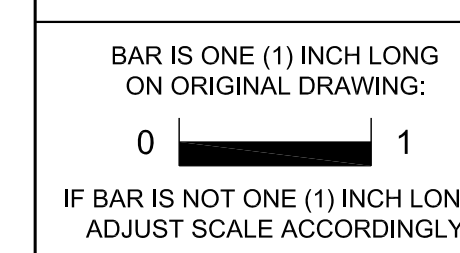
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AREA 11, FT INDIANTOWN GAP, EAST HANOVER TWP
LEBANON COUNTY, PENNSYLVANIA

SCHEDULES & DETAILS

VERIFY SCALE



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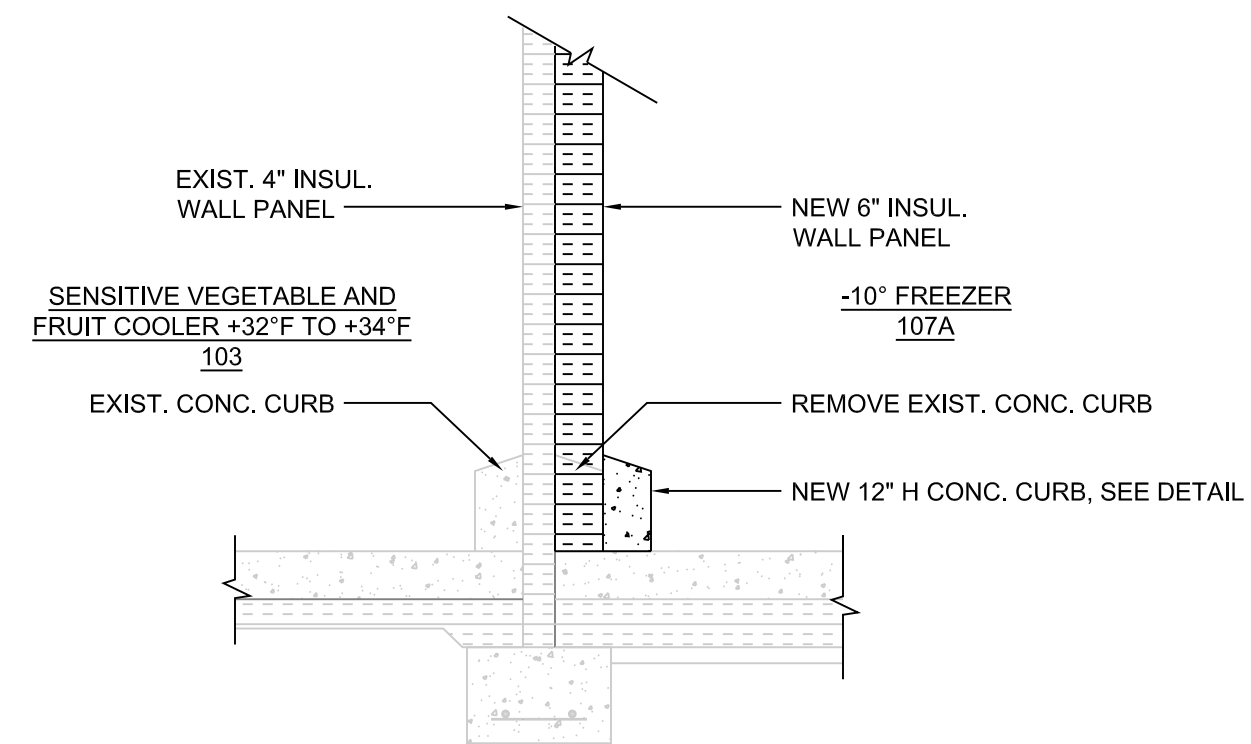
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DATE: 22 NOV 2023
CHECKED BY: J. NYE
SCALE: AS NOTED
DRAWING NO.: A.2.1

NOT USED

1
A.3.1

NOT USED

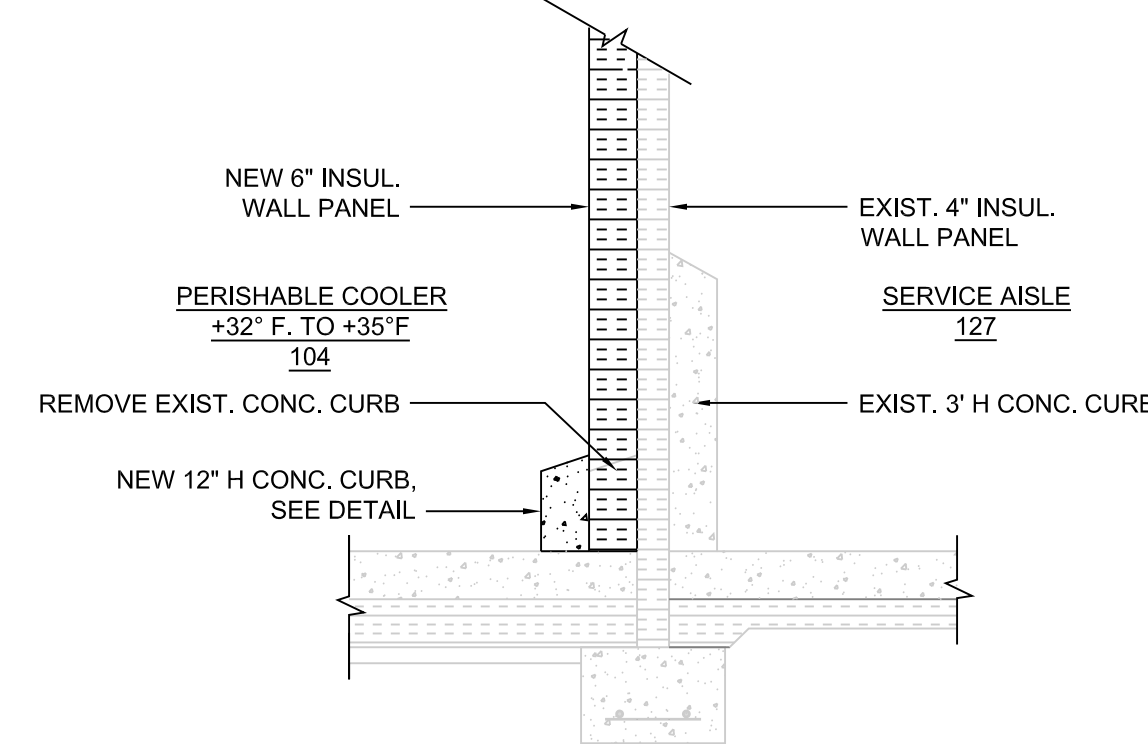
2
A.3.1



WALL SECTION

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

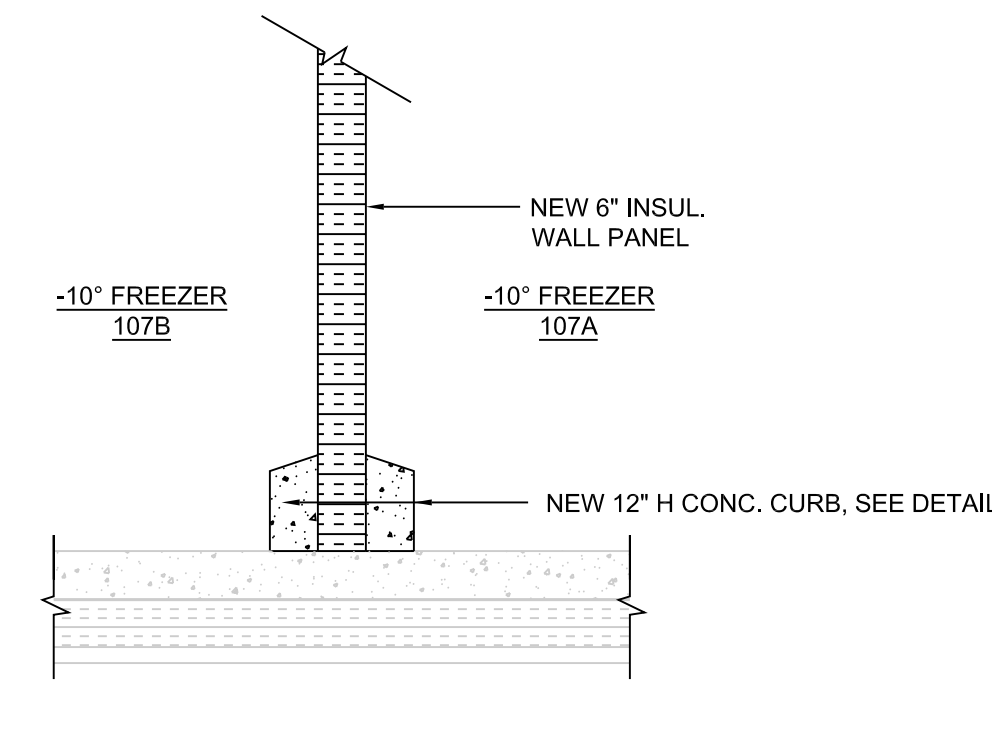
3
A.3.1



WALL SECTION

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

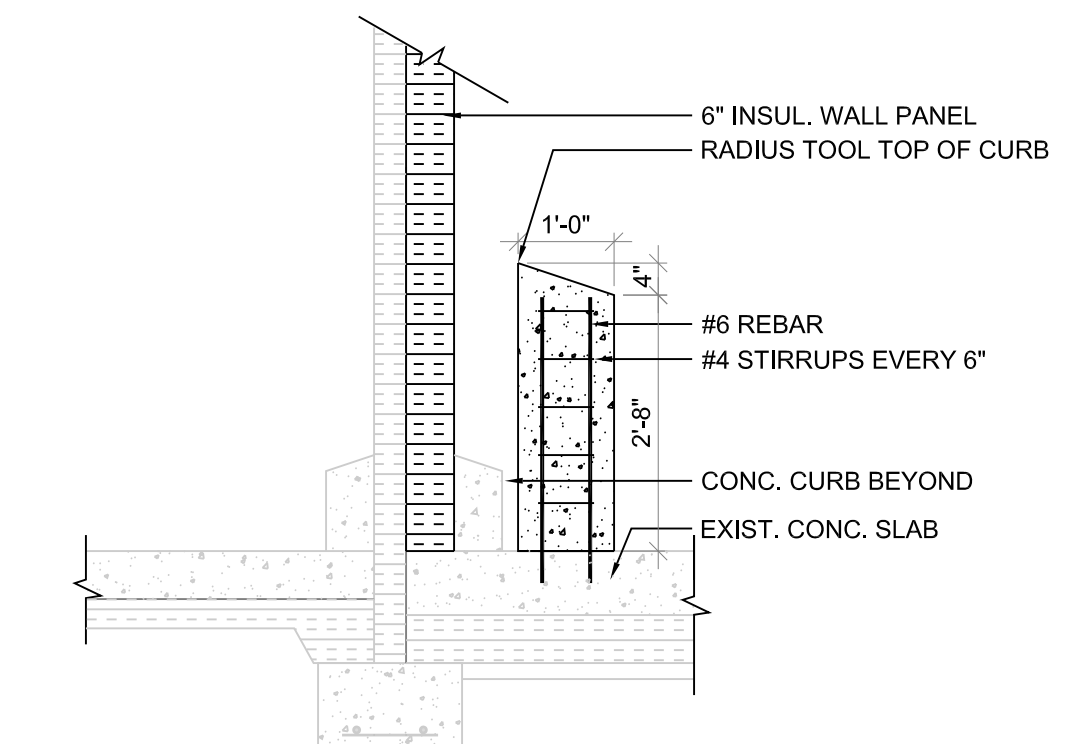
4
A.3.1



WALL SECTION

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

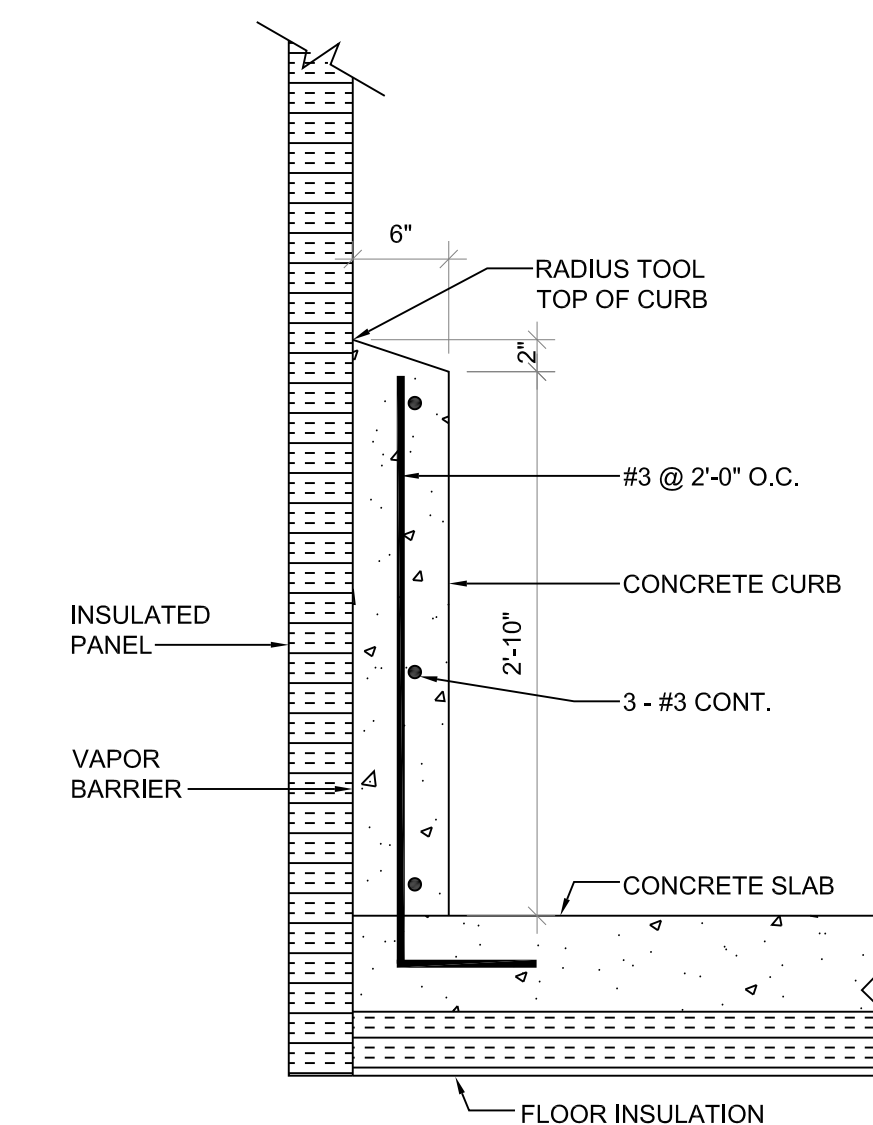
5
A.3.1



CONCRETE PILLAR SECTION DETAIL

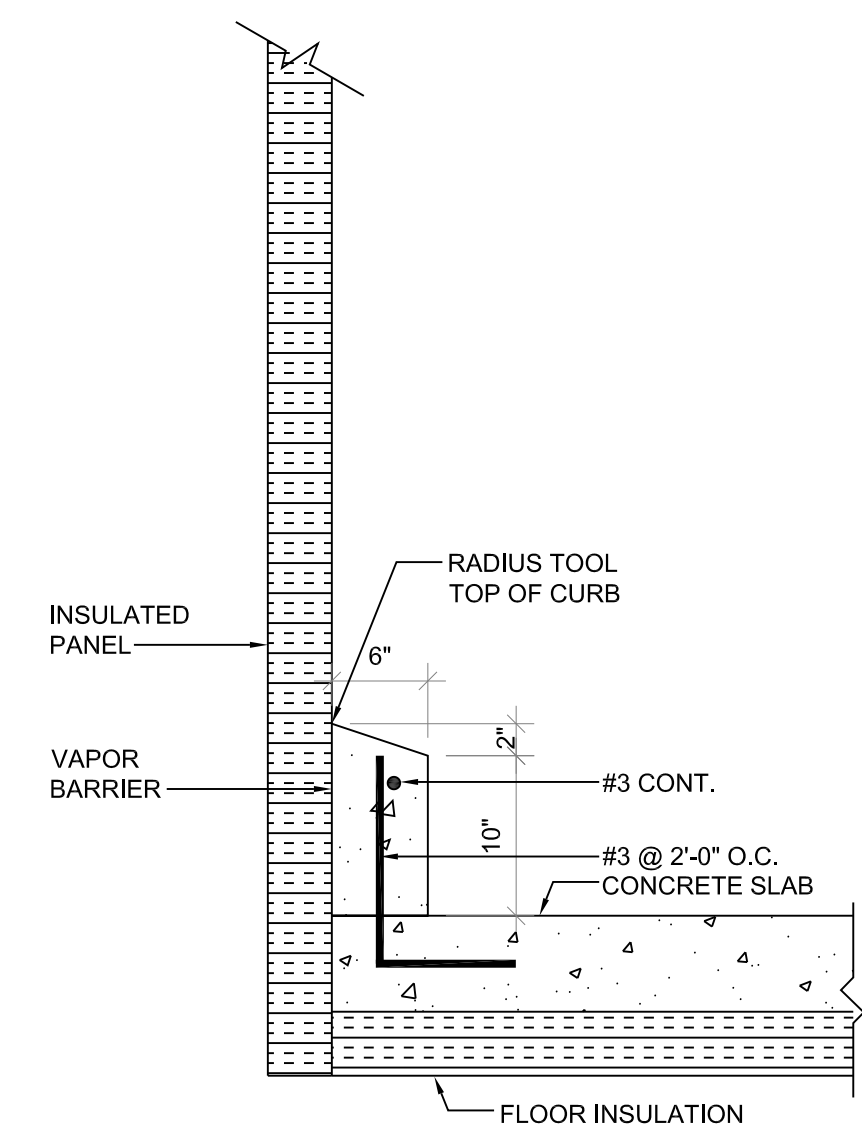
SCALE: 1/2" = 1'-0"

6
A.3.1



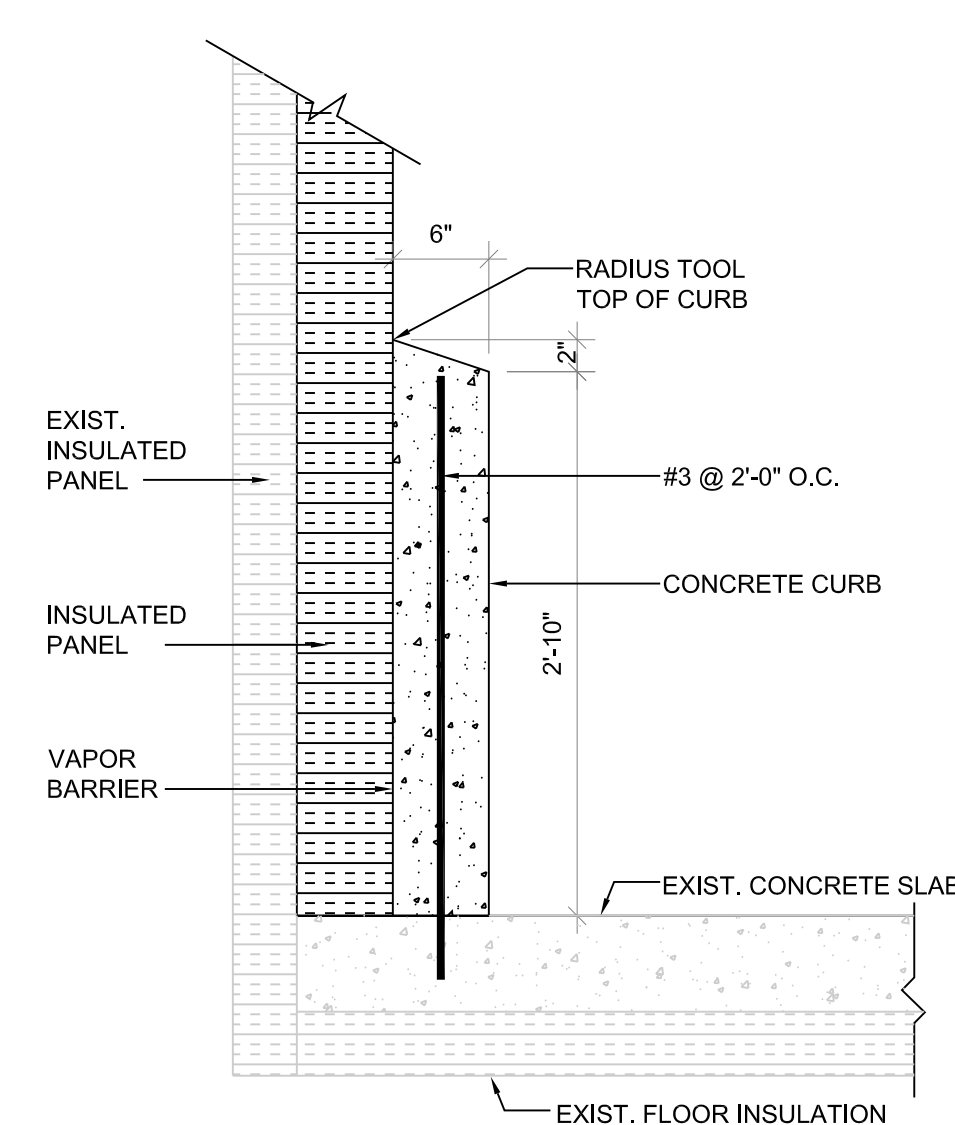
3'-0" HIGH CONCRETE CURB - EXISTING CONDITIONS

SCALE: 1" = 1'-0"



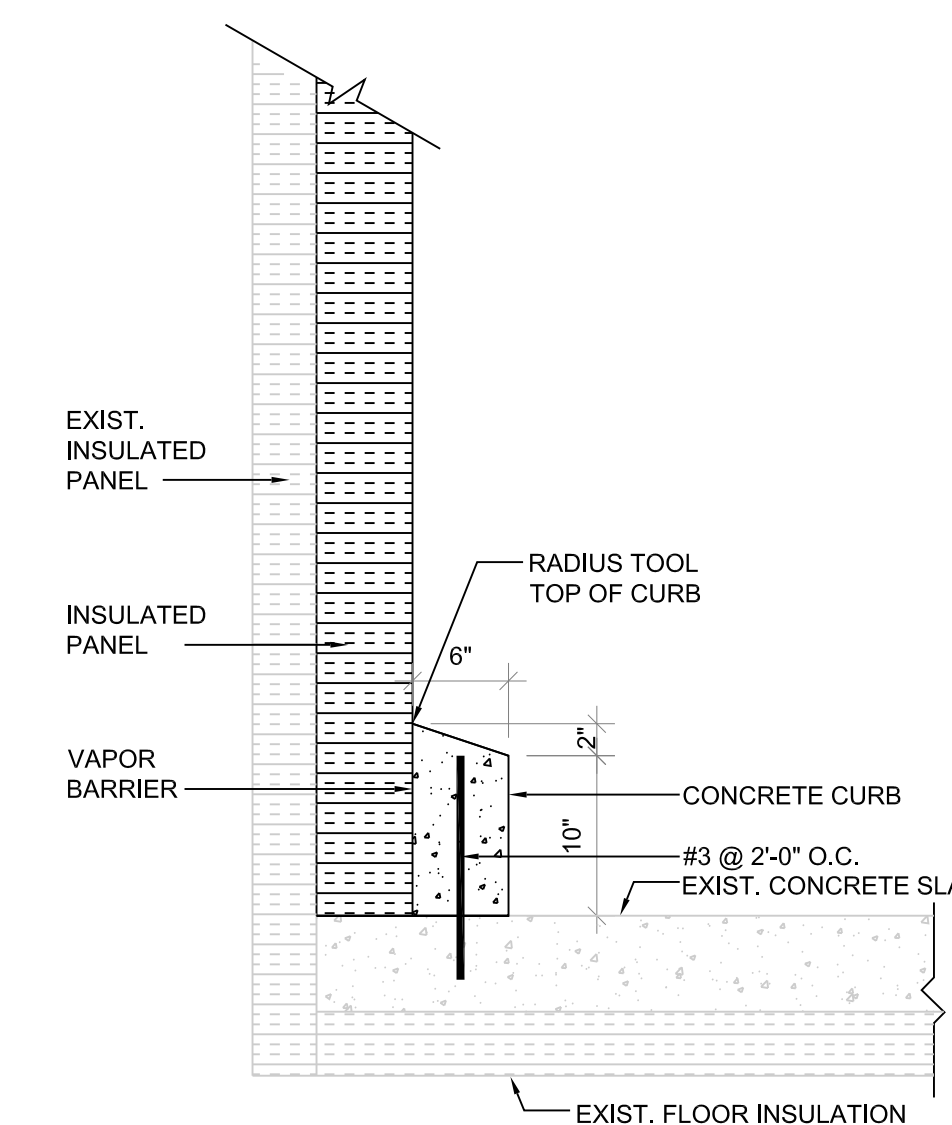
12" HIGH CONCRETE CURB - EXISTING CONDITIONS

SCALE: 1" = 1'-0"



3'-0" HIGH CONCRETE CURB DETAIL, NEW

SCALE: 1" = 1'-0"



12" HIGH CONCRETE CURB DETAIL, NEW

SCALE: 1" = 1'-0"

FINAL DESIGN

NO.	DESCRIPTION	DATE
REVISIONS		

Professional's Signature Date

COMMONWEALTH OF PENNSYLVANIA
DEPT. OF MILITARY & VETERAN'S AFFAIRS
ANNVILLE, PENNSYLVANIA 17003

DESIGN PROFESSIONALS:

OFFICE OF FACILITIES AND ENGINEERING
BUREAU OF DESIGN AND PROJECT MANAGEMENT
BLDG. 0-10, FORT INDIANTOWN GAP
ANNVILLE, LEBANON COUNTY, PENNSYLVANIA

PROJECT NO.: 420591(88821)

**BLDG. 11-89 TISA
ENERGY UPGRADES**
AREA 11, FT INDIANTOWN GAP, EAST HANOVER TWP
LEBANON COUNTY, PENNSYLVANIA

DETAILS

VERIFY SCALE

BAR IS ONE (1) INCH LONG
ON ORIGINAL DRAWING:

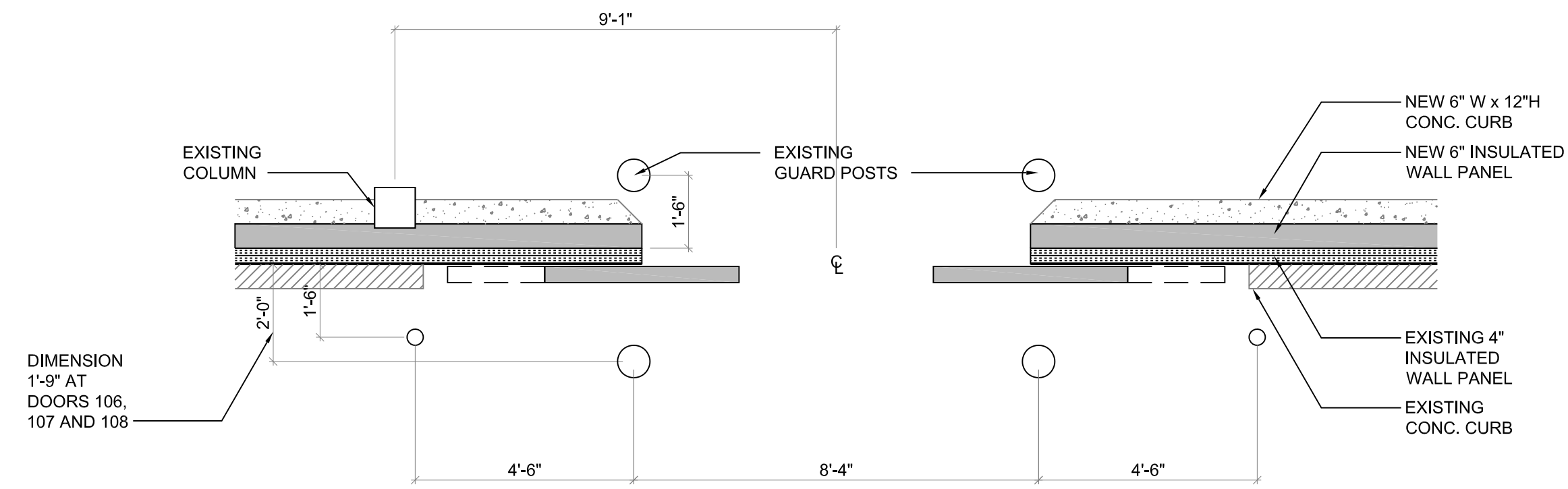
0 1

IF BAR IS NOT ONE (1) INCH LONG,
ADJUST SCALE ACCORDINGLY

CONTRACTOR SHALL FIELD VERIFY
ALL DIMENSIONS.
VARIANCE FROM CONTRACT
DOCUMENTS NOT PERMITTED
WITHOUT BUREAU OF ENGINEERING
AND ARCHITECTURE APPROVAL.

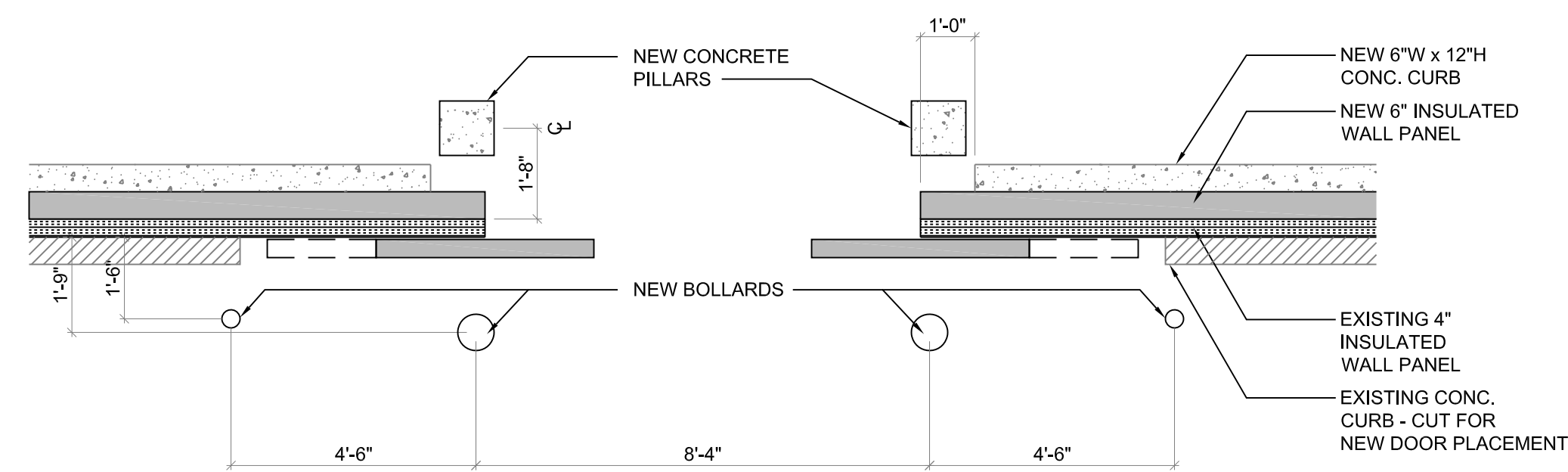
DRAWN BY M.MORRIS	DATE 29 APR 2024
CHECKED BY J. NYE	SCALE AS NOTED

DRAWING NO.
A.3.1



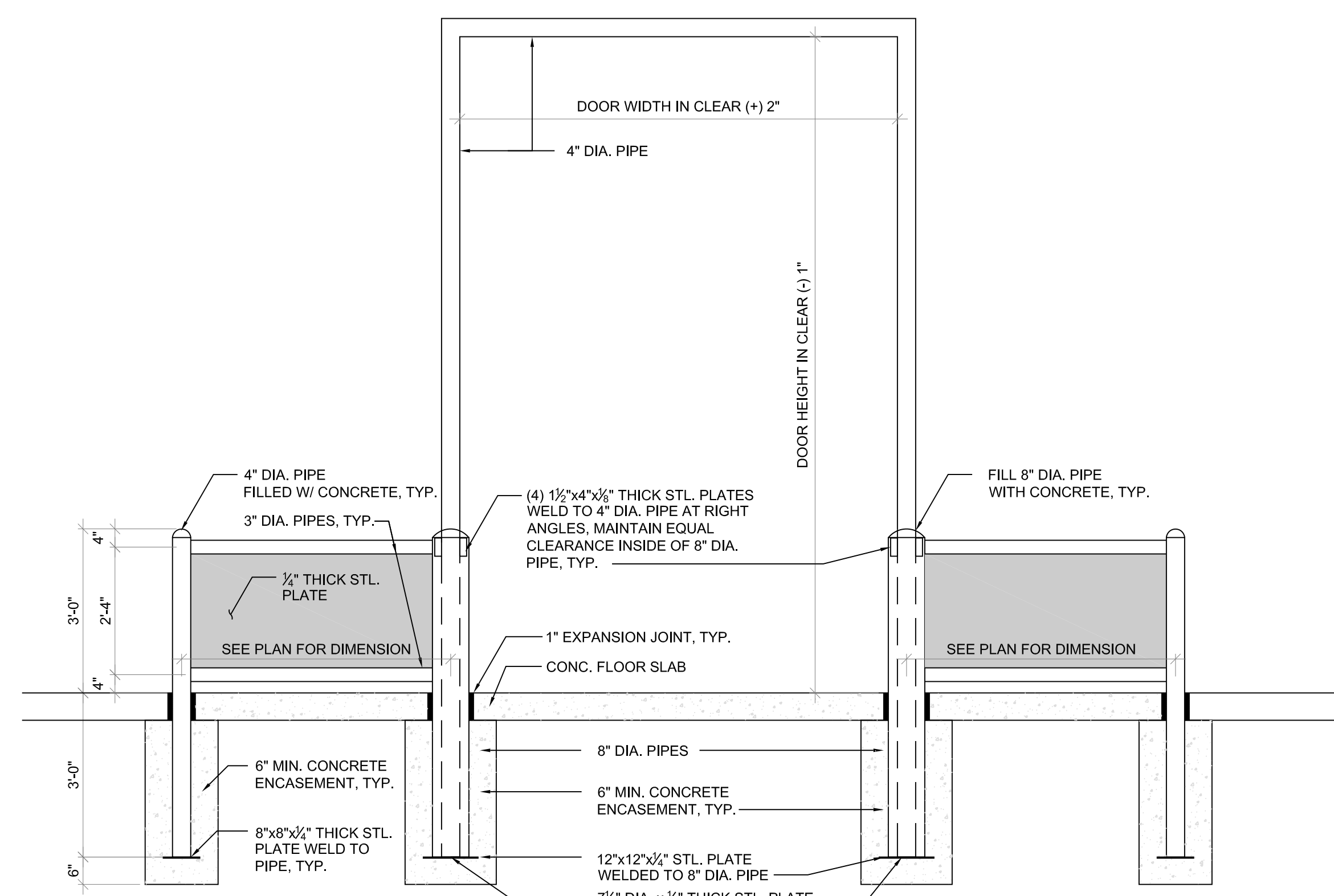
ENLARGED PLAN VIEW OF DOOR 103
SCALE: 1/8" = 1'-0"

1
A.3.2



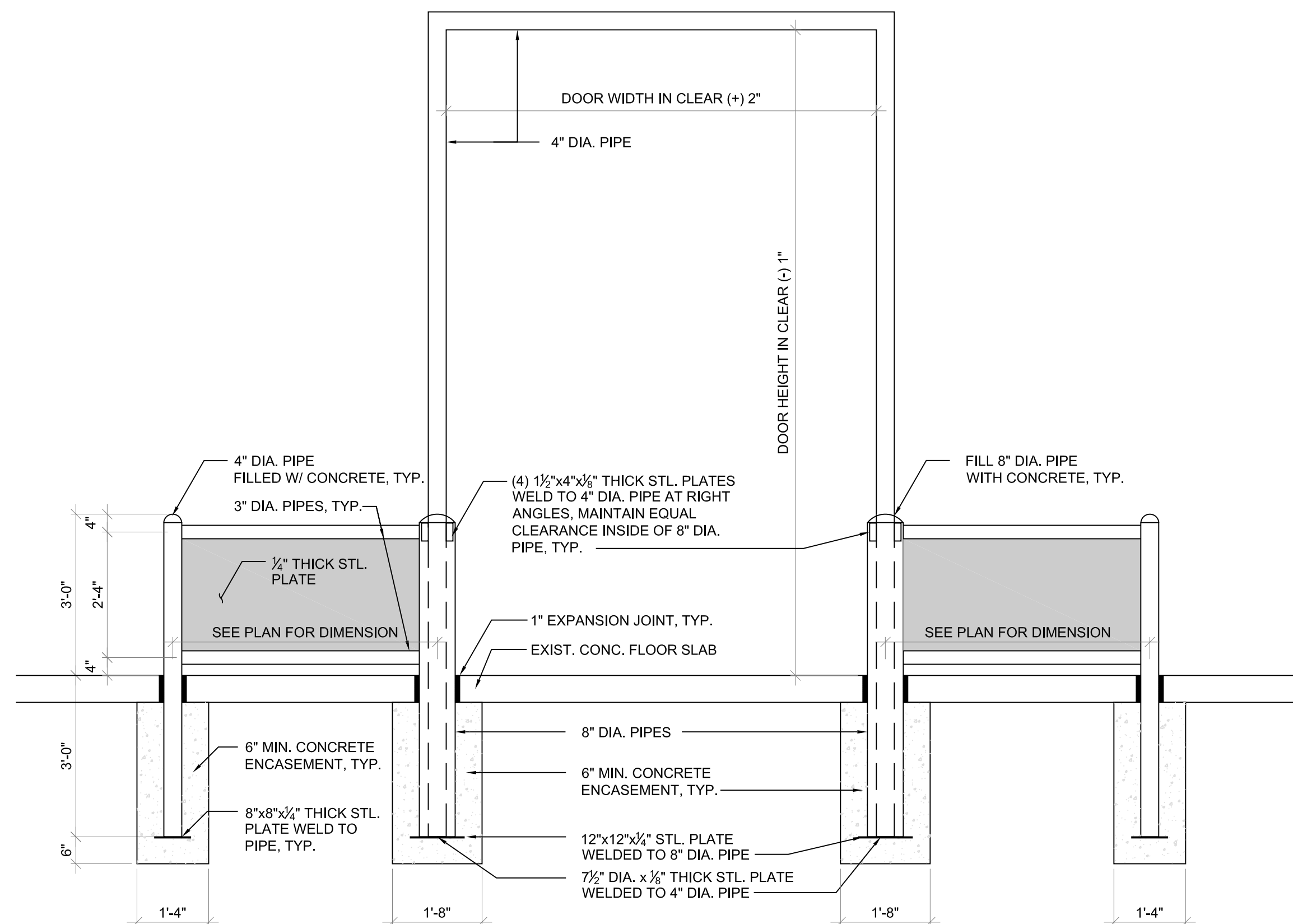
ENLARGED PLAN VIEW OF DOOR 110
SCALE: 1/8" = 1'-0"

3
A.3.2



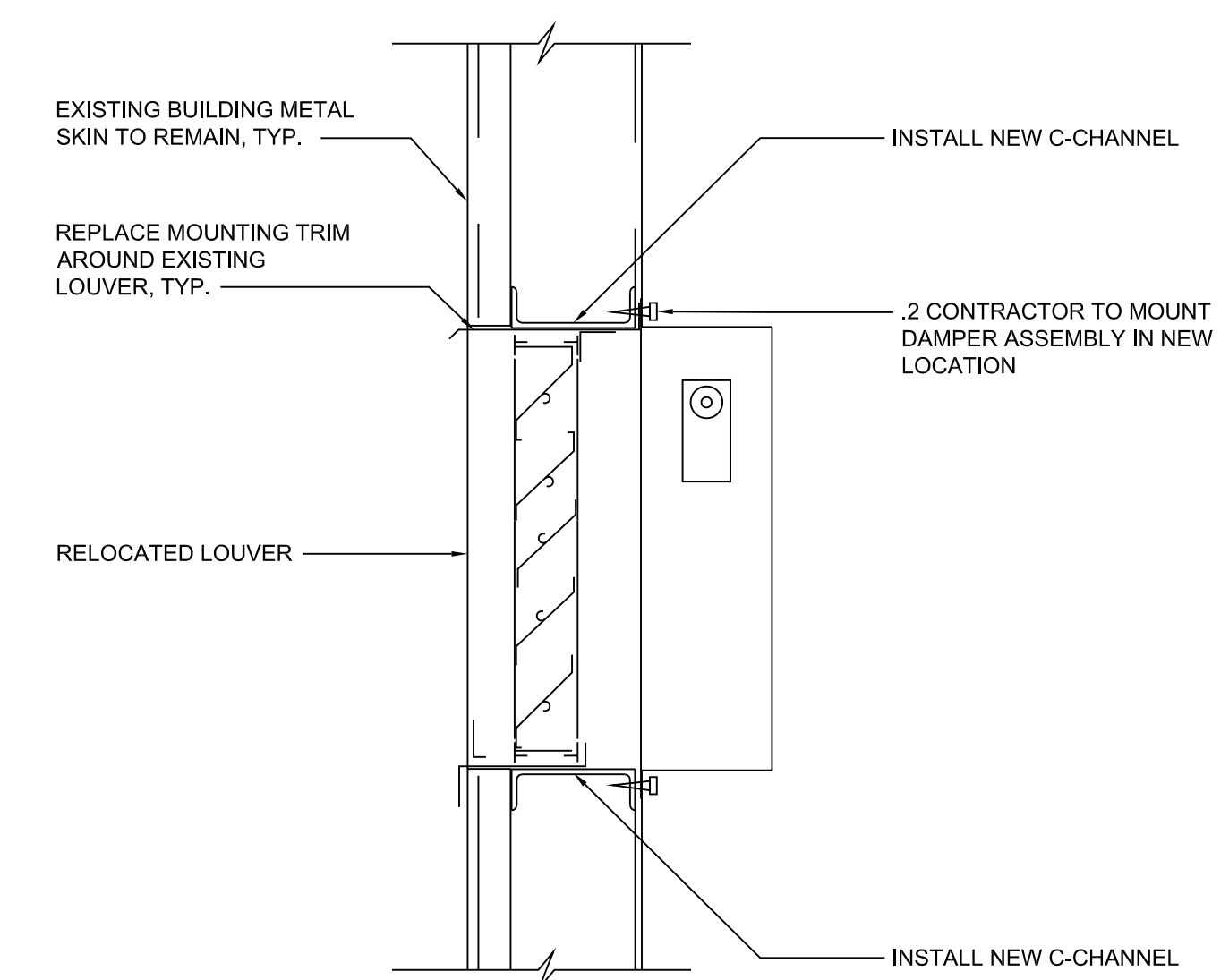
EXISTING DETAIL AT DOORS 103,106,107 AND 108
SCALE: 1/2" = 1'-0"

2
A.3.2



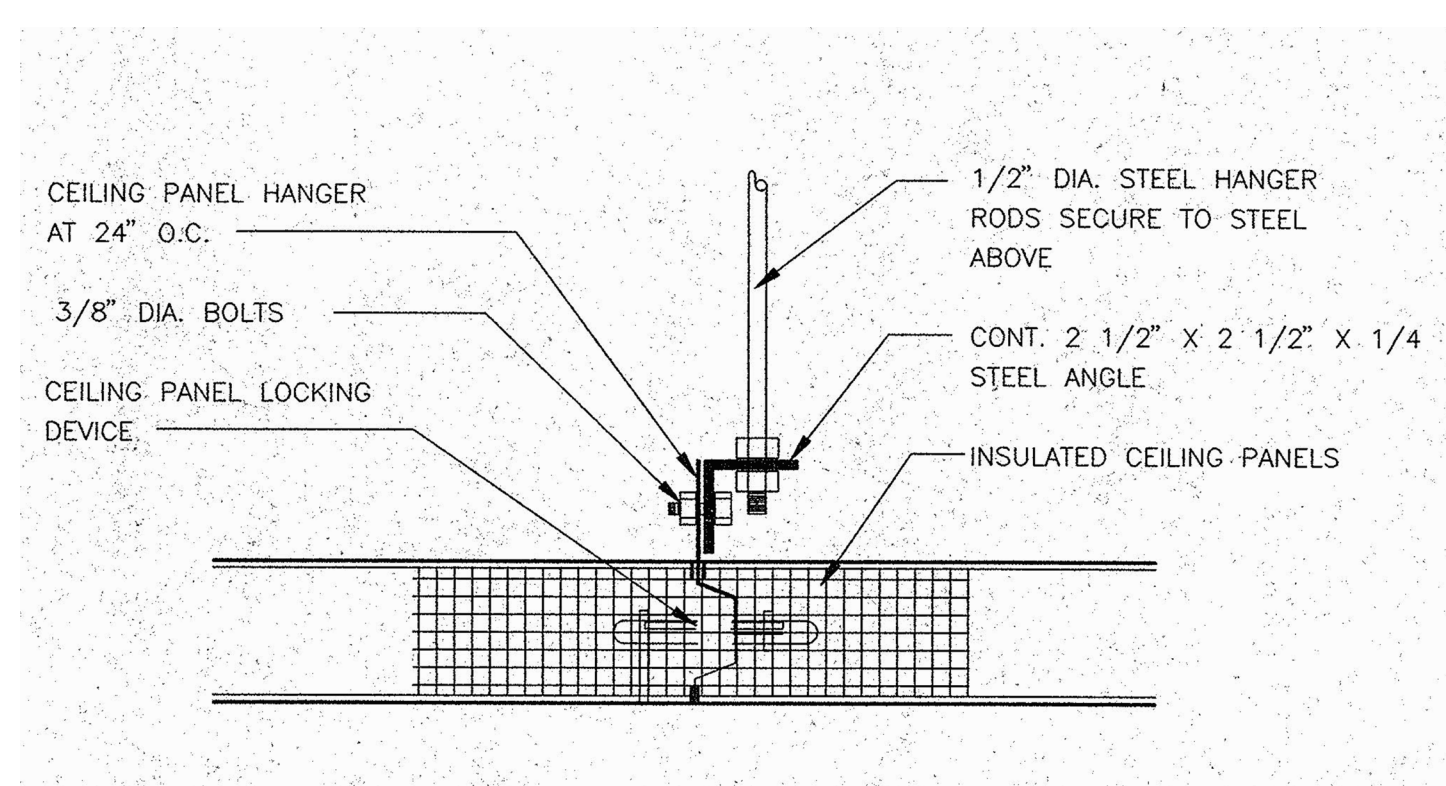
DETAIL AT NEW DOOR 110
SCALE: 1/2" = 1'-0"

4
A.3.2



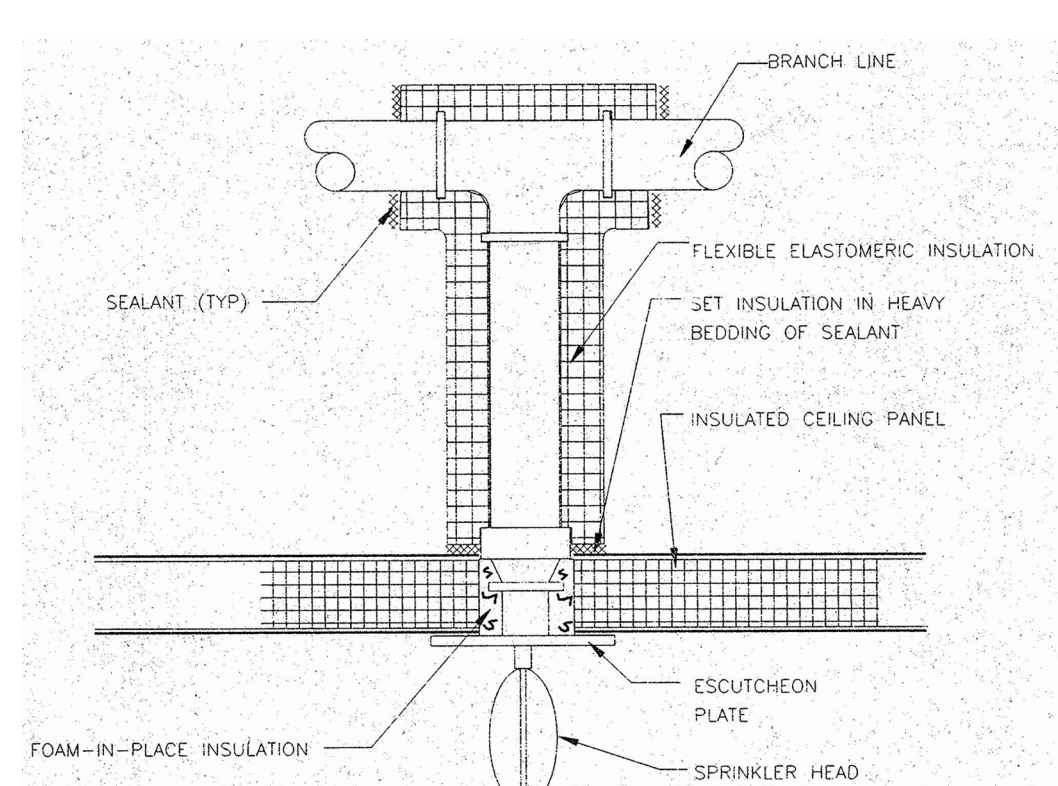
LOUVER FRAMING DETAIL
NOT TO SCALE

5
A.3.2



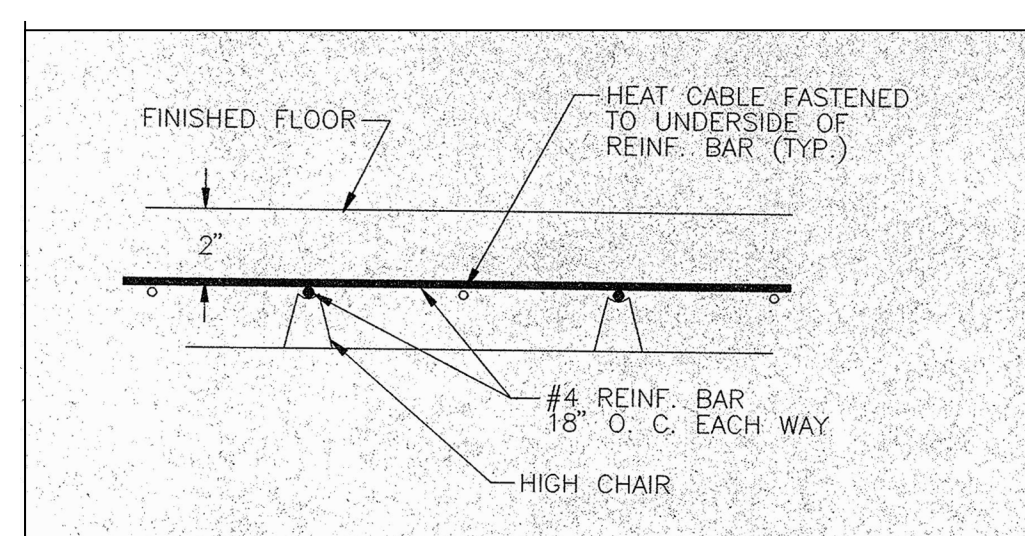
CEILING PANEL SUPPORT DETAIL
NOT TO SCALE

6
A.3.2



SPRINKLER HEAD PENETRATION DETAIL
NOT TO SCALE

7
A.3.2



ELECTRIC FLOOR HEATING MAT SECTION
NOT TO SCALE

8
A.3.2

FINAL DESIGN

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ELEVATIONS & DETAILS

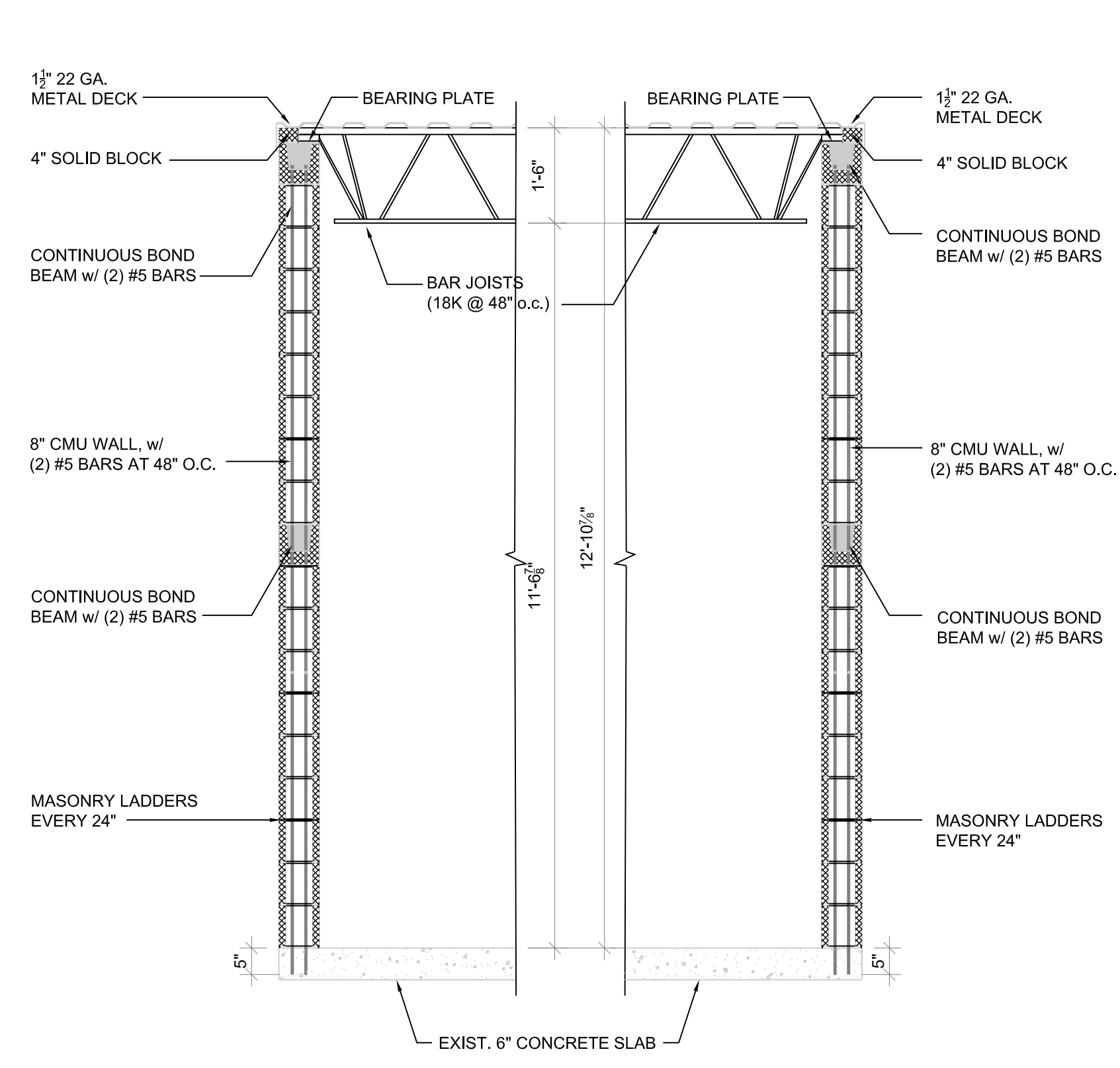
VERIFY SCALE

BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING:
0 1
IF BAR IS NOT ONE (1) INCH LONG, ADJUST SCALE ACCORDINGLY

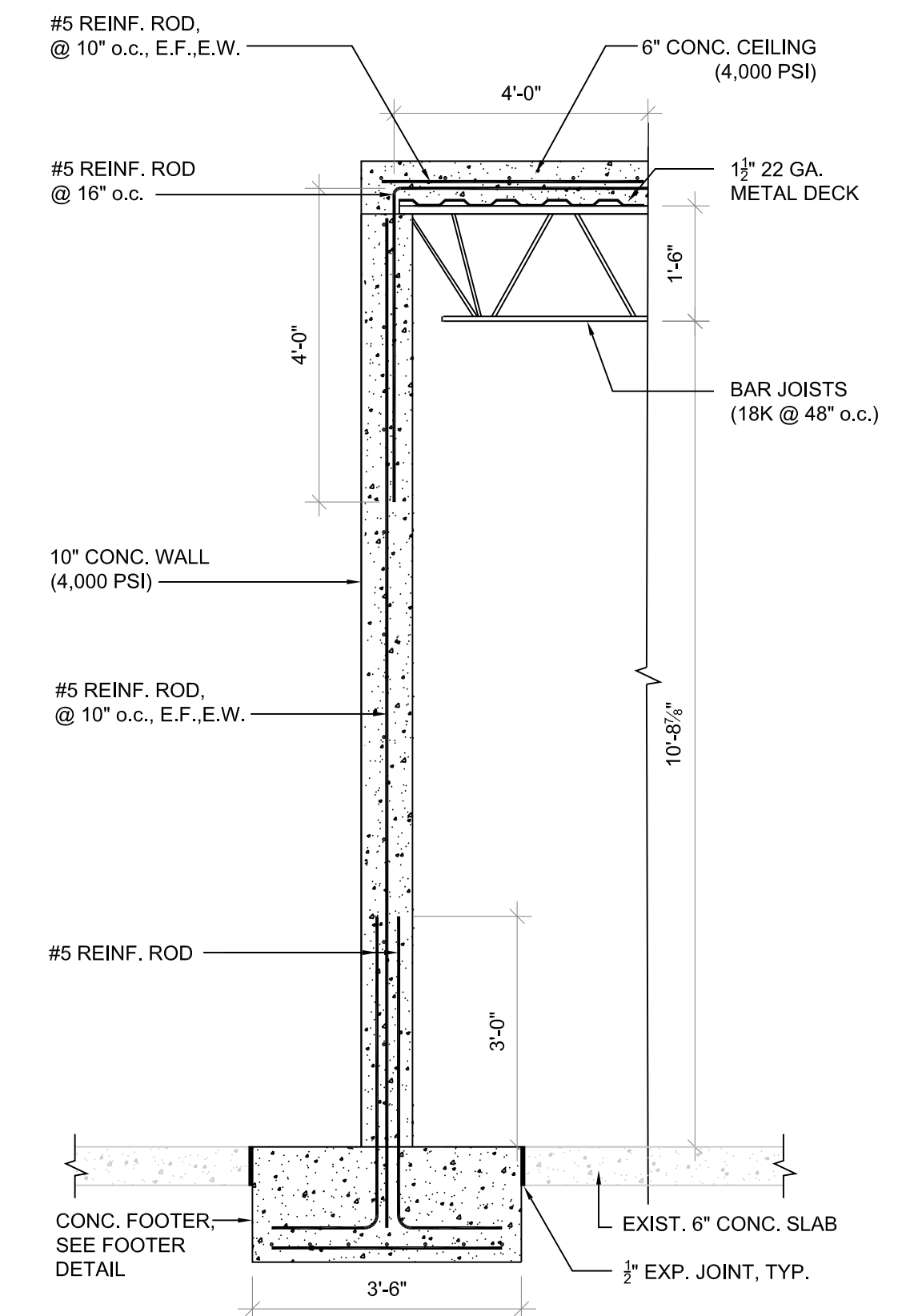
CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.

DRAWN BY M.MORRIS	DATE 29 APR 2024
CHECKED BY J. NYE	SCALE AS NOTED

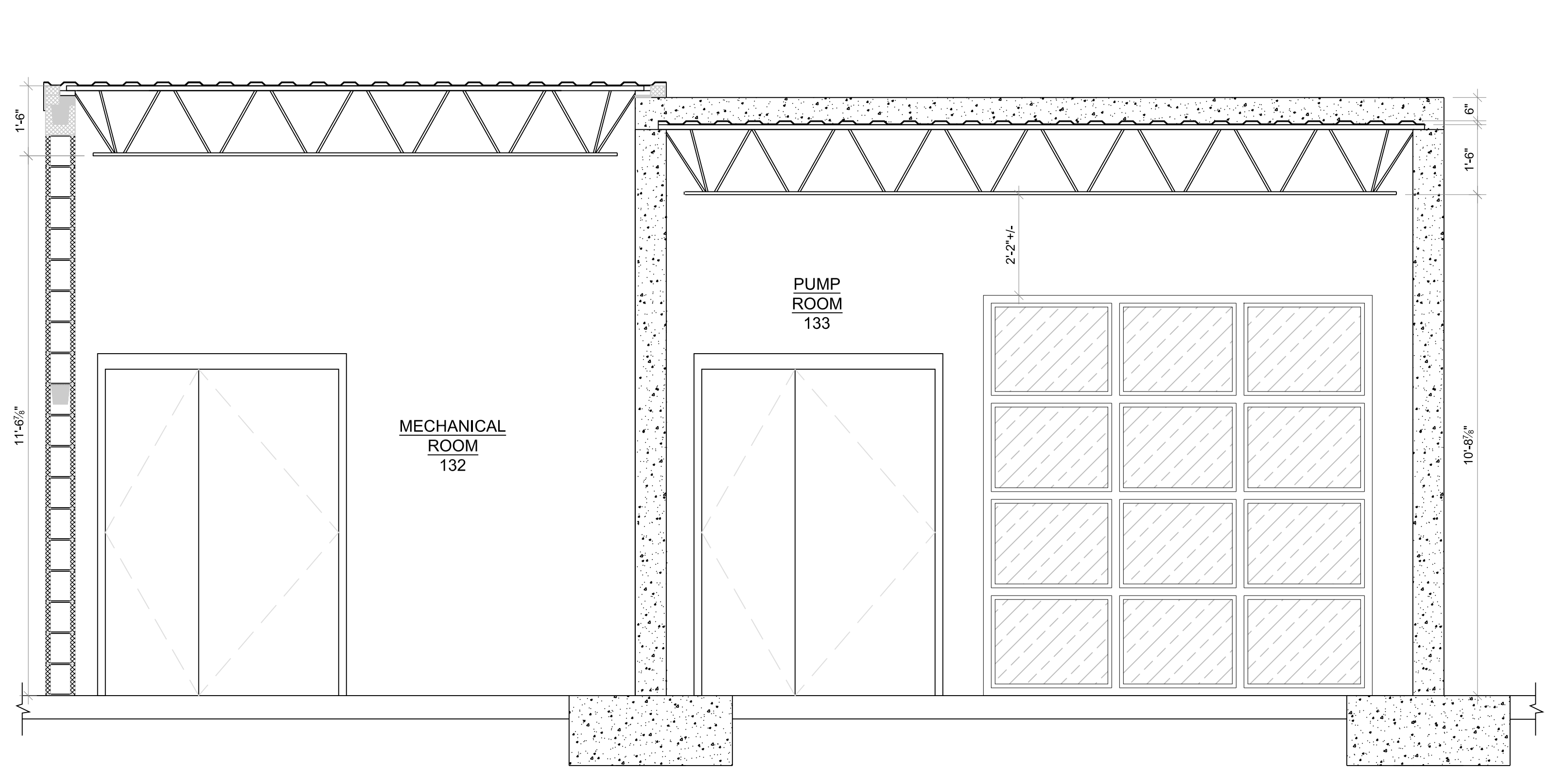
DRAWING NO.
A.3.2



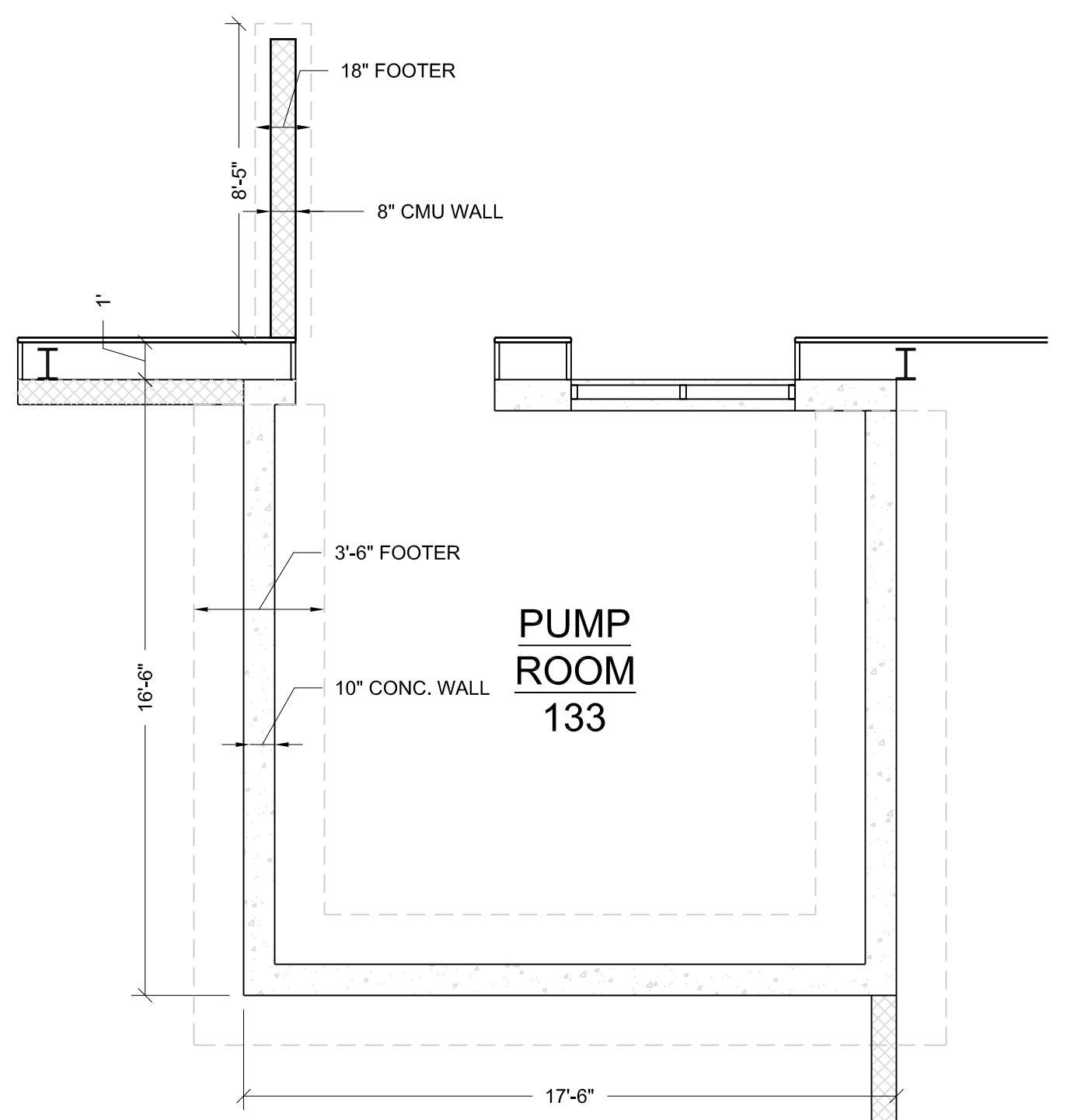
WALL SECTION
SCALE: 3/8" = 1'-0"
1 S.1.1



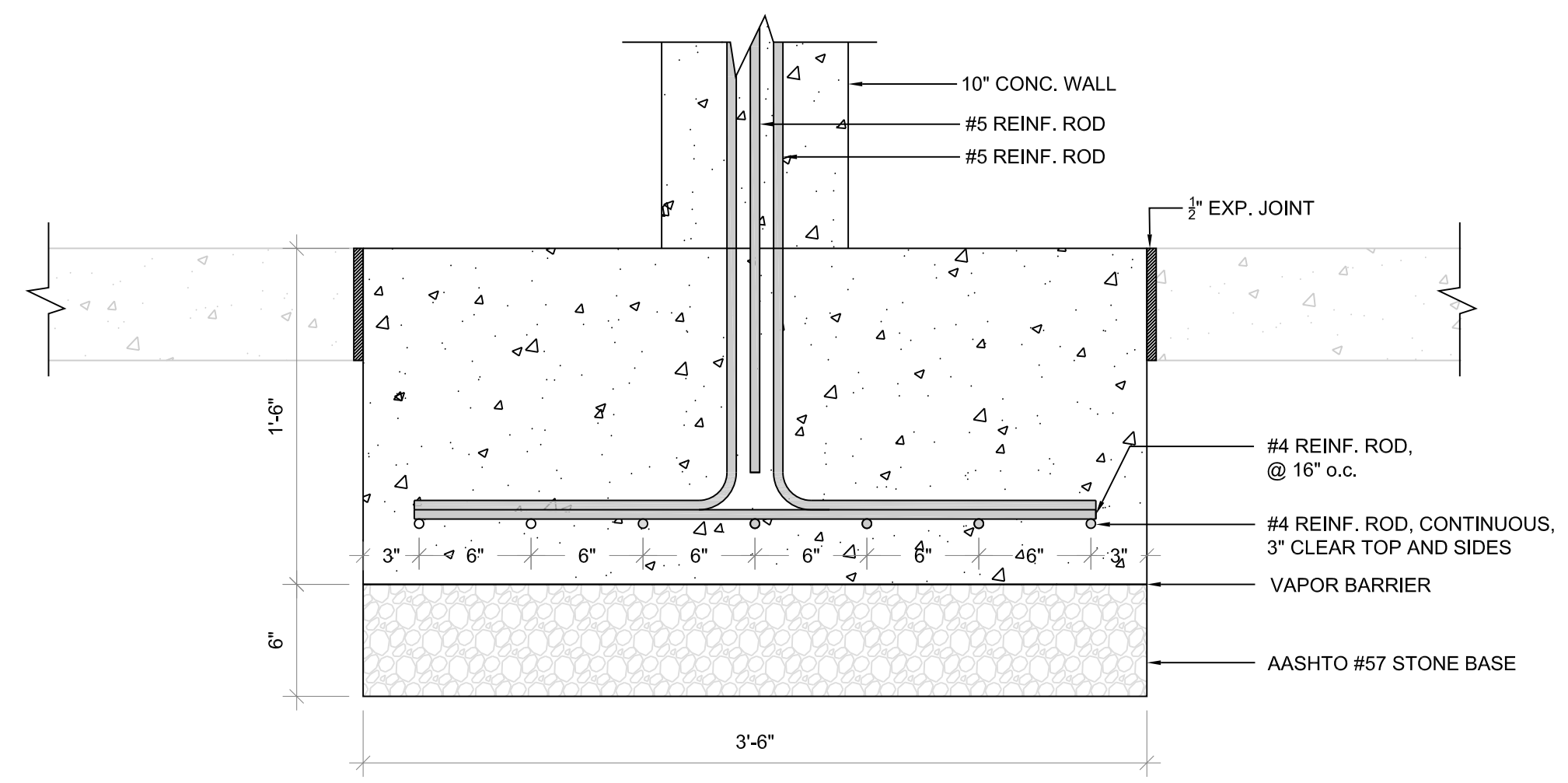
WALL SECTION
SCALE: 3/8" = 1'-0"
2 S.1.1



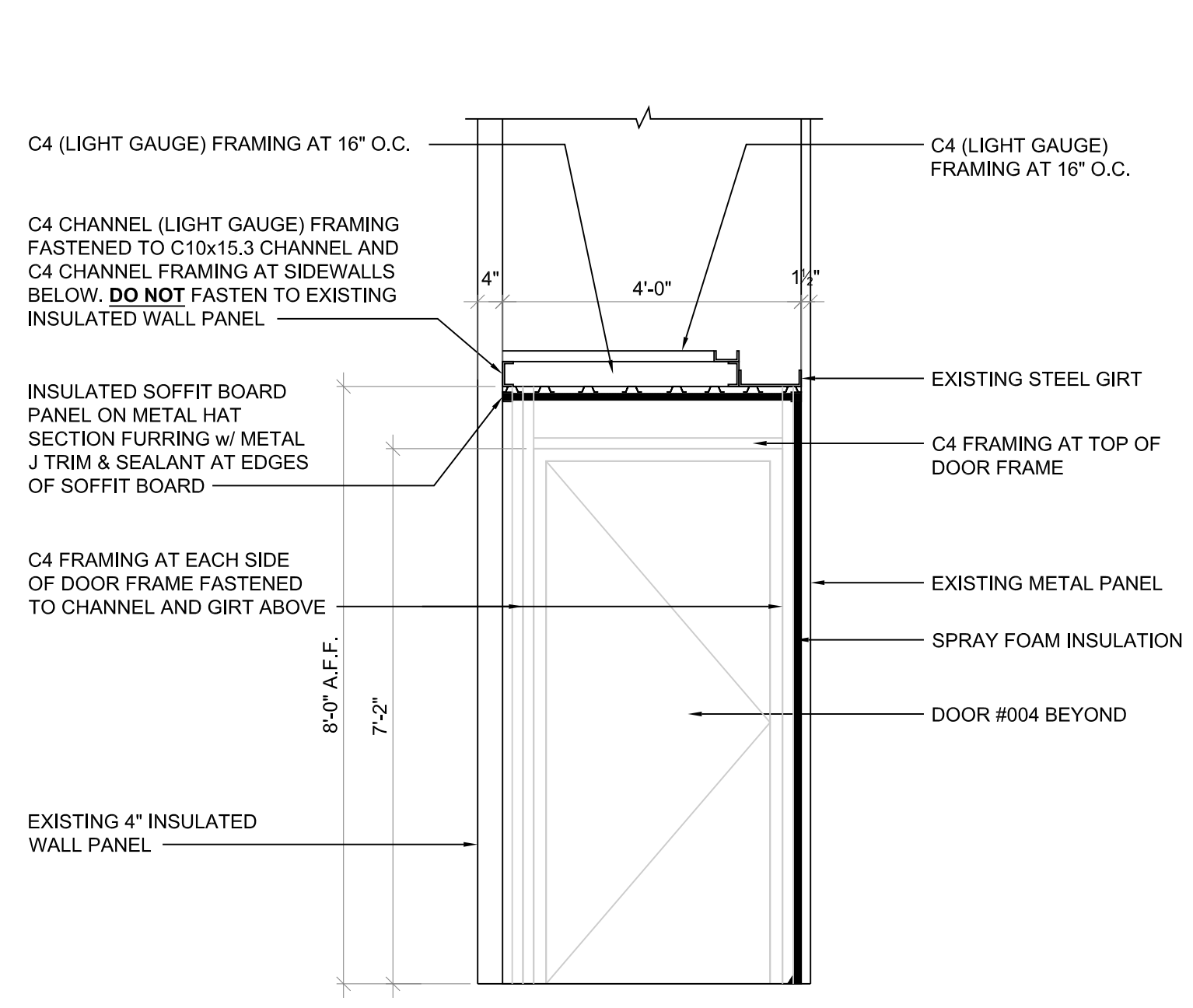
NEW CONSTRUCTION - SECTION
SCALE: 3/8" = 1'-0"
3 S.1.1



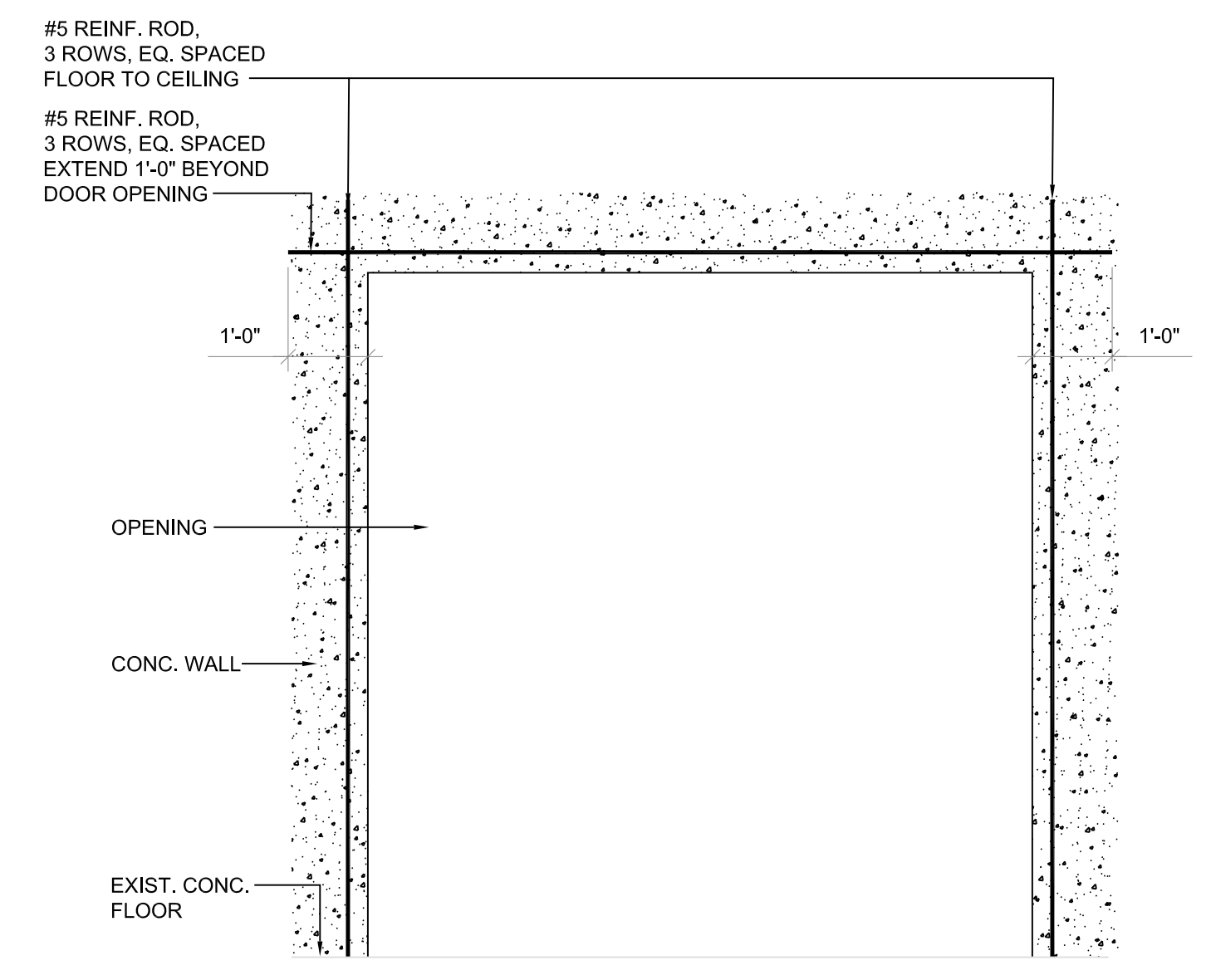
FOOTER PLAN
SCALE: 3/8" = 1'-0"
4 S.1.1



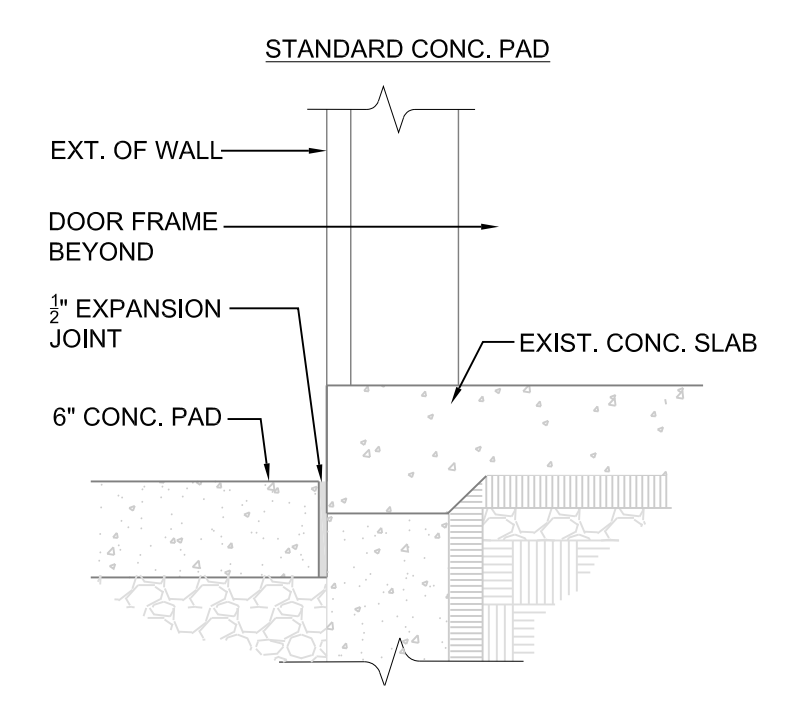
FOOTER DETAIL
SCALE: 1/2" = 1'-0"
5 S.1.1



CEILING AND DOOR #004 FRAMING DETAIL
SCALE: 1/2" = 1'-0"
6 S.1.1



EXPLOSION RELIEF PANEL OPENING REINFORCEMENT
SCALE: 3/8" = 1'-0"
7 S.1.1



STANDARD CONC. PAD DETAIL
SCALE: 1" = 1'-0"
8 S.1.1

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LEBANON COUNTY, PENNSYLVANIA

SECTIONS & DETAILS

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DRAWN BY M.MORRIS	DATE 29 APR 2024	DRAWING NO. S.1.1
CHECKED BY R. DAUTRICH	SCALE AS NOTED	