

COMPANY HEADQUARTERS & ADMINISTRATION SUPPLY BUILDING MACON TRAINING SITE MACON, MISSOURI

OWNER: STATE OF MISSOURI
MIKE L. PARSON, GOVERNOR

DEPARTMENT OF PUBLIC SAFETY
MISSOURI NATIONAL GUARD
OFFICE OF ADJUTANT GENERAL

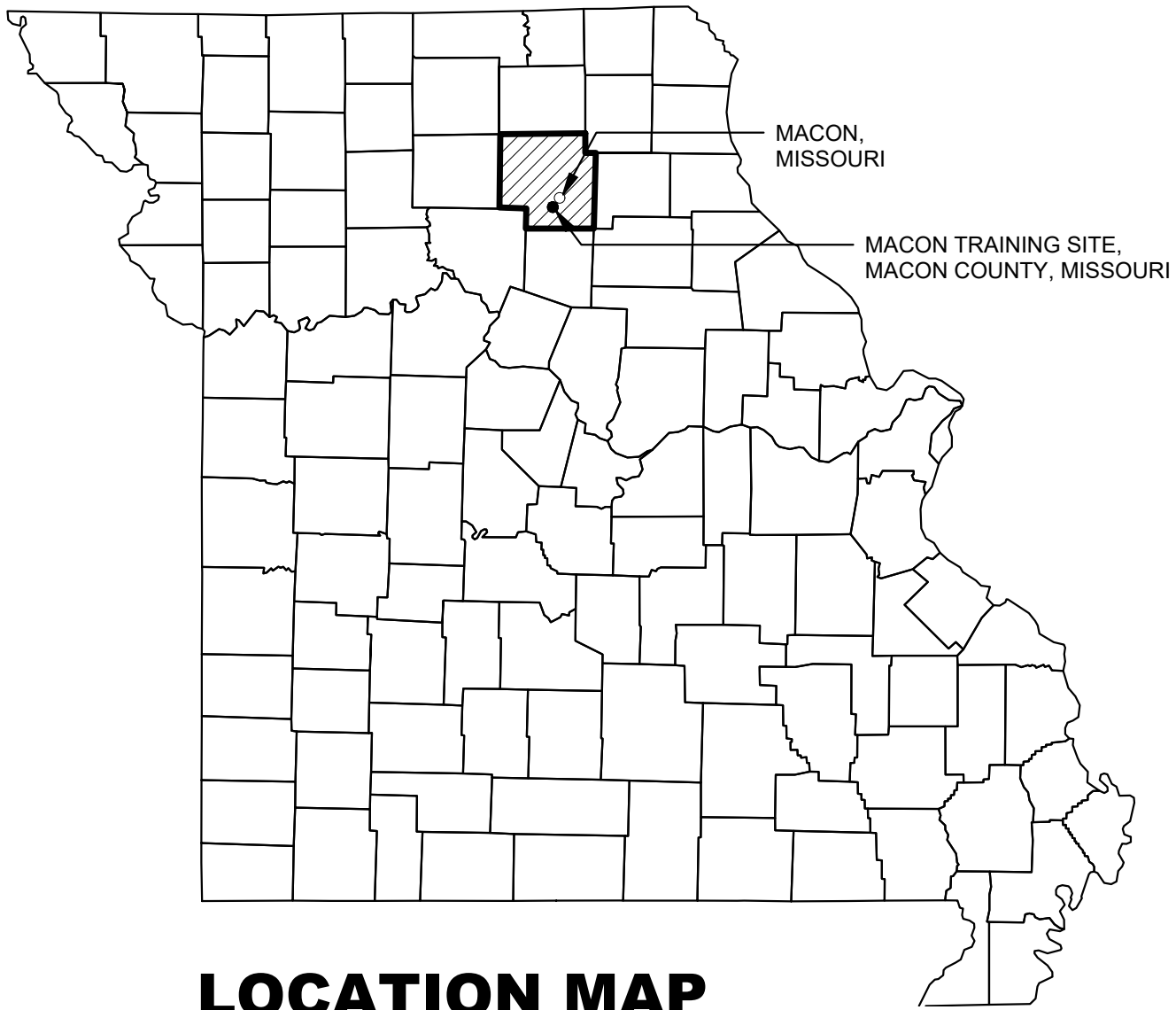
PROJECT
MANAGEMENT: OFFICE OF ADMINISTRATION,
DIVISION OF FACILITIES MANAGEMENT,
DESIGN & CONSTRUCTION

DESIGNER: PWArchitects, Inc.

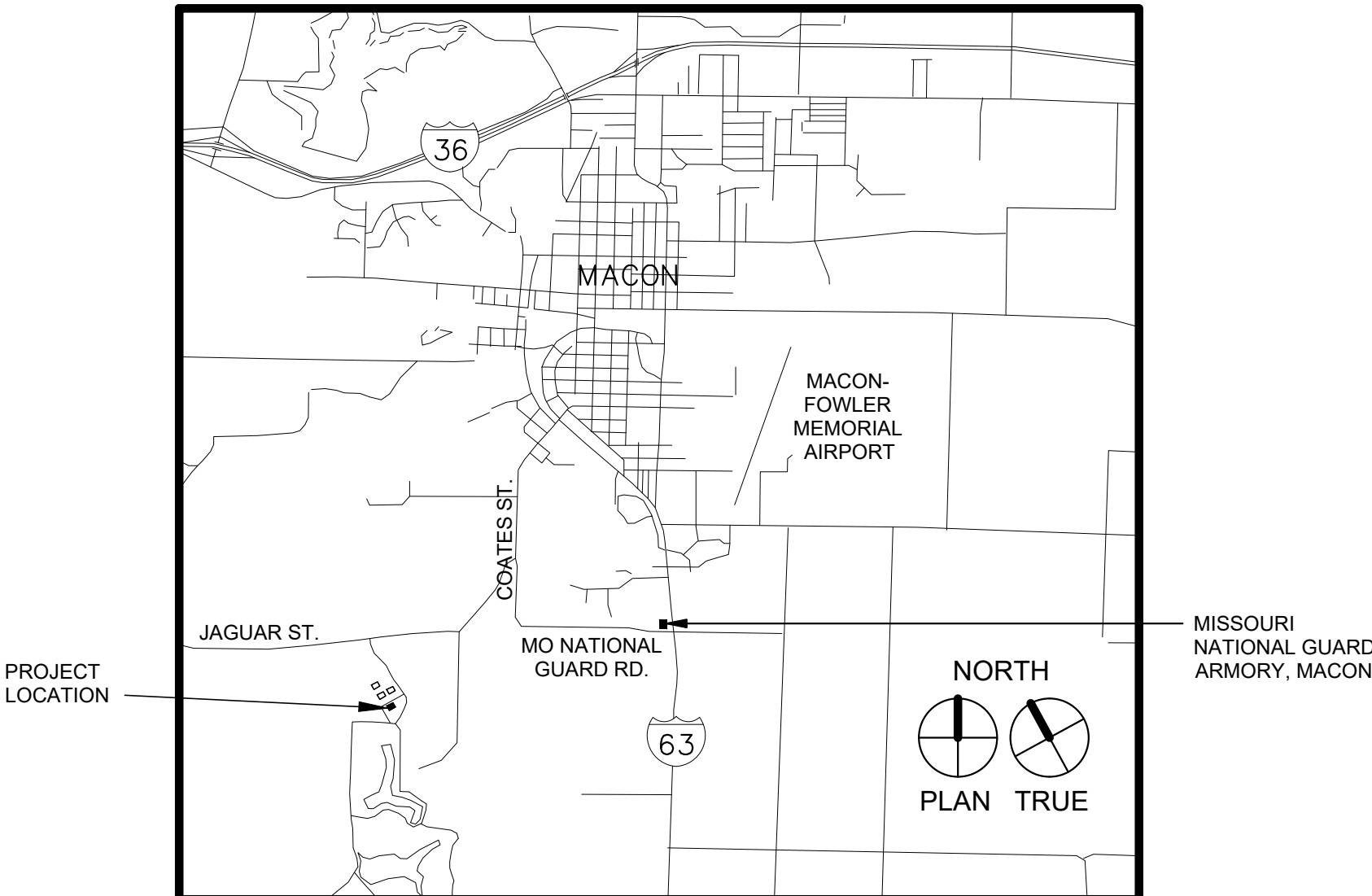
PROJECT NUMBER: T2214-01

SITE NUMBER: 6319

ASSET NUMBER: 8136319018



LOCATION MAP



VICINITY MAP

INDEX OF DRAWINGS

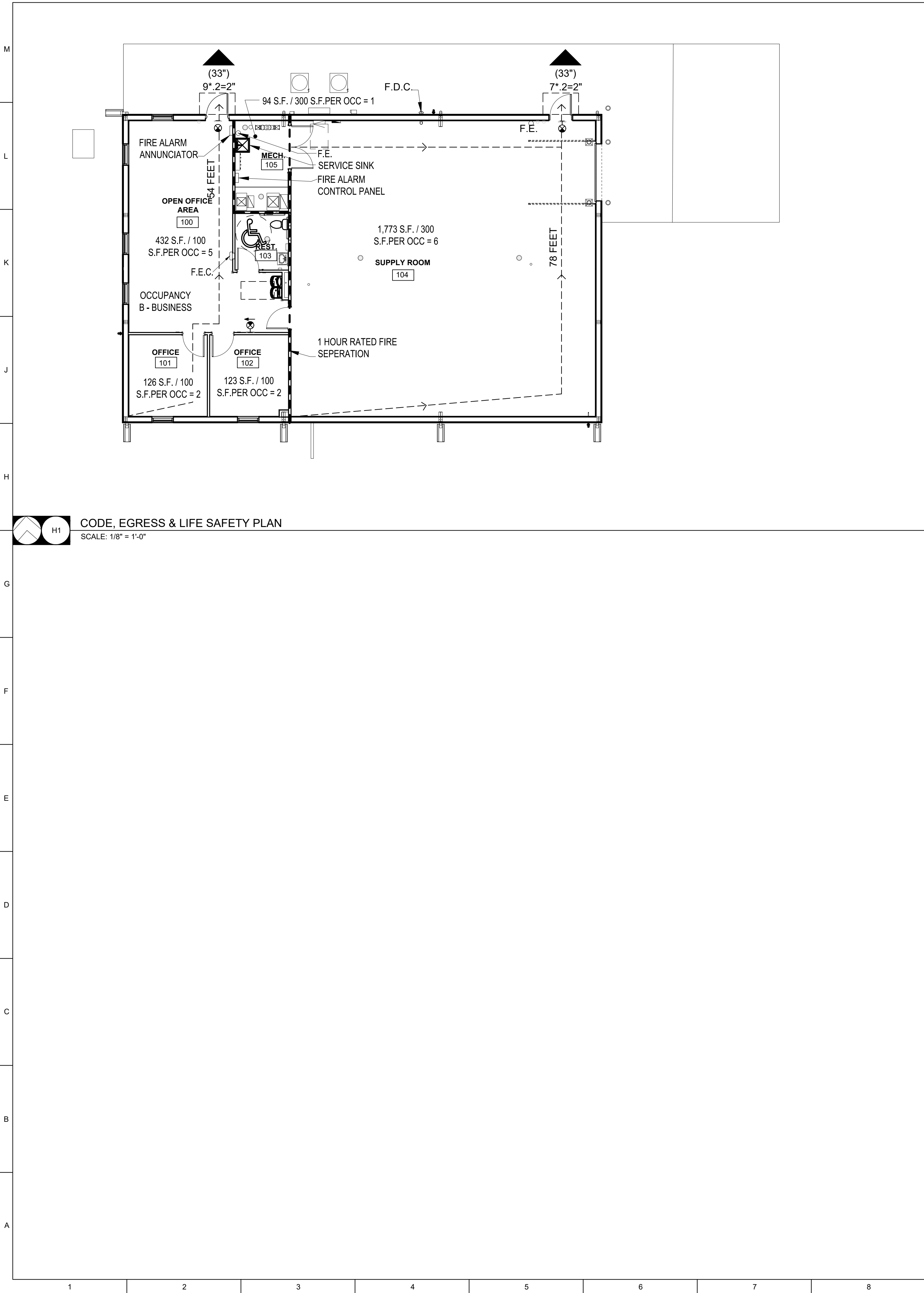
NO. SHEET SHEET TITLE

GENERAL	
1	G-001 COVER SHEET, INDEX OF DRAWINGS & LOCATION MAP
2	G-002 LIFE SAFETY PLAN & CODE ANALYSIS
CIVIL	
3	C-001 CIVIL NOTES
4	C-002 EROSION CONTROL & GRADING PLAN
5	C-003 UTILITY PLAN - BASE BID
6	C-004 SITE PLAN - BASE BID
7	C-005 UTILITY & SITE PLAN - ALTERNATE 1
STRUCTURAL	
8	S-100 COVER / GENERAL STRUCTURAL DATA
9	S-200 FOUNDATION PLAN
10	S-210 FOUNDATION DETAILS
ARCHITECTURAL	
11	A-001 SYMBOLS, ABBREVIATIONS & NOTES
12	A-101 FLOOR, REFLECTED CEILING & ROOF PLANS
13	A-201 BUILDING SECTIONS, ELEVATIONS & DETAILS
14	A-202 INTERIOR ELEVATIONS, FINISH SCHEDULE & DETAILS
15	A-301 WALL SECTIONS & DETAILS
16	A-501 PARTITION TYPES & DETAILS
17	A-601 DOOR & WINDOW SCHEDULES & DETAILS
MEP	
18	MEP-101 MECHANICAL - ELECTRICAL - PLUMBING COVER SHEET
19	M-101 HVAC PLAN
20	M-101A HVAC PLAN ALTERNATE
21	M-501 HVAC DETAILS & SCHEDULES
22	E-101 POWER PLAN
23	E-102 LIGHTING PLAN
24	E-501 ELECTRICAL DETAILS & SCHEDULES
25	F-101 FIRE ALARM PLAN
26	P-101 SANITARY SEWER PLAN
27	P-102 WATER PLAN
28	P-501 PLUMBING DETAILS & SCHEDULES

COVER SHEET,
INDEX OF
DRAWINGS &
LOCATION MAP

G-001

01 OF 28 SHEETS



LEGEND: LIFE SAFETY PLAN

- 1 HR FIRE BARRIER
- FEC FIRE EXTINGUISHER CABINET (EXISTING &/OR RELOCATED EXISTING)
- FE FIRE EXTINGUISHER ON WALL-HUNG BRACKET (EXISTING)
- EXIT SIGNAGE
- F.D.C. FIRE DEPARTMENT CONNECTION
- 00 EGRESS CAPACITY REQUIRED
- (xx') EGRESS WIDTH PROVIDED (IN INCHES)
- EGRESS DIRECTION
- TRAVEL DISTANCE

CODE ANALYSIS SUMMARY

PROJECT INFORMATION:
DESIGN FACILITIES TO BE CONSTRUCTED BASED ON 2018 MASTER PLAN
MACON TRAINING SITE
1616 SOUTH MISSOURI STREET
US HIGHWAY 63 SOUTH
MACON, MISSOURI 63552
MACON COUNTY
MONG PROJECT NUMBER: T2214-01
GLMV PROJECT NUMBER: 0

COMPANY HEADQUARTERS AND ADMINISTRATION BUILDING (NEW CONSTRUCTION PROJECT)

JURISDICTION: MISSOURI OFFICE OF ADMINISTRATION - FACILITIES
MANAGEMENT, DESIGN & CONSTRUCTION
MISSOURI NATIONAL GUARD

FIRE DEPARTMENT: MACON FIRE DEPARTMENT

INTERNATIONAL BUILDING CODE (IBC)

BUILDING INFORMATION

- MAIN OCCUPANCY TYPE (304.1): B (BUSINESS)
- ADDITIONAL (MIXED) OCCUPANCIES (CHAPTER 3): S-2 (STORAGE)
- CONSTRUCTION TYPE (TABLE 601): II-B
- (NON-COMBUSTIBLE / NO FIRE-RESISTIVE REQUIREMENTS)
- BASIC ALLOWABLE AREA (TABLE 506.2): 23,000 S.F.
- W/ AUTOMATIC SPRINKLER SYSTEM (1-STORY): 92,000 S.F.
- BASIC ALLOWABLE HEIGHT (TABLE 504.3 & 504.4): 3-STORIES / 75'-0"
- AREA MODIFICATIONS:
FRONTAGE INCREASE (EQ. 5-5)
If = [(228/228)-0.25] 30/30
If = 0.75
TOTAL AREA INCREASE (EQ. 5-1)
Aa = [92,000 S.F. + (23,000 S.F. x 0.75)]
Aa = 109,250 S.F.
- MAXIMUM ALLOWABLE AREA: 109,250 S.F.
- ACTUAL (GROSS) BUILDING AREA: 2,909 S.F.
- ACTUAL HEIGHT: 1-STORY / 18' - 3"

EGRESS

- REQUIRED EXITS PER STORY (TABLE 1006.3.1): 2
- EXITS PROVIDED IN DESIGN: 2
- MAXIMUM EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2):
B: 300 FEET
- DEAD END CORRIDOR LENGTH (SECTION 1020.4): NOT TO EXCEED 50 FEET

BUILDING ELEMENTS FIRE-RESISTANCE RATING REQUIREMENTS (TABLE 601)

- PRIMARY STRUCTURAL FRAME: 0-HOURS
- INTERIOR BEARING WALLS: 0-HOURS
- EXTERIOR BEARING WALLS: 0-HOURS
- FLOOR CONSTRUCTION: 0-HOURS
- ROOF CONSTRUCTION: 0-HOURS
- NON-BEARING WALLS & PARTITIONS
EXTERIOR: 0-HOURS
INTERIOR: 0-HOURS

BUILDING OCCUPANCY LOAD (TABLE 1004.1.2)

ROOM	OCC. PER S.F.	AREA	OCC. PER RM.
OPEN OFFICE AREA	1/100 S.F.	432 S.F.	5 OCCUPANTS
OFFICE #1	1/100 S.F.	126 S.F.	2 OCCUPANTS
OFFICE #2	1/100 S.F.	123 S.F.	2 OCCUPANTS
MECH. RM.	1/300 S.F.	60 S.F.	1 OCCUPANT
SUPPLY ROOM	1/300 S.F.	1,773 S.F.	6 OCCUPANTS
TOTAL:			16 OCCUPANTS

BUILDING SEPARATIONS: (SEE NFPA CODE SUMMARY)
1 HOUR SEPARATION REQUIRED BETWEEN B OCCUPANCY AND S2 OCCUPANCY (508.4)

PLUMBING FIXTURES	OCCUPANCY B (9 OCC.)	OCCUPANCY S-2 (7 OCC.)	TOTAL REQ.	TOTAL PROVIDED
FIXTURE COUNTS				
WATER CLOSETS:	1/25 OCC = .36	1/100 OCC = .07	.43	1
LAVATORIES:	1/40 OCC = .23	1/100 OCC = .07	.30	1
SHOWERS:	-	-	1	0
OTHER - SERVICE SINK:	-(exception e)	1	1	1
DRINKING FOUNTAINS:	1/100 OCC = .09	1/1000 OCC = .007	.097	1

CODES OF RECORD:
IBC EDITION: 2018
IPC EDITION: 2018
IMC EDITION: 2018
NEC EDITION: 2017
IFGC EDITION: 2018
NFPA 101 EDITION: 2015
IECC EDITION: 2018
ADA EDITION: 2010
ABA EDITION: 2015

LAND USE:
PROJECT IS LOCATED ON LAND OWNED BY THE NATIONAL GUARD AND IS OUTSIDE THE JURISDICTION OF THE CITY OF MACON AND MACON COUNTY.

ACCESSIBLE ROUTES:
ALL SPACES ARE ACCESSIBLE. ADJACENT PARKING LOTS HAVE AN ACCESSIBLE ROUTE TO THE BUILDING.

FIRE PROTECTION SYSTEMS
ARMY NATIONAL GUARD, DG 415-5 (GENERAL FACILITIES INFORMATION DESIGN GUIDE):
(SECTION 1-3.15) - INCORPORATE EFFICIENT AND COST-EFFECTIVE FIRE PROTECTION AND DETECTION SYSTEMS IN ALL ARNG FACILITY DESIGNS.
(FIRE PROTECTION SYSTEMS - UFGS 21 13 00) - REGARDLESS OF THE CONSTRUCTION TYPE, ANY FACILITIES MEETING THE FOLLOWING CRITERIA SHOULD BE PROVIDED WITH AN APPROPRIATE FIRE PROTECTION SYSTEM:
OPERATIONAL IMPAIRMENT WOULD REDUCE THE OPERATIONAL READINESS AND RESPONSIVENESS OF THE STRATEGIC OR TACTICAL DEFENSIVE AND OFFENSIVE CAPABILITY.

NFPA 101 : LIFE SAFETY CODE
OCCUPANCY (SECTION 6.1.8.1.4): BUSINESS/STORAGE

OCCUPANT LOAD FACTORS (TABLE 7.3.1.2):

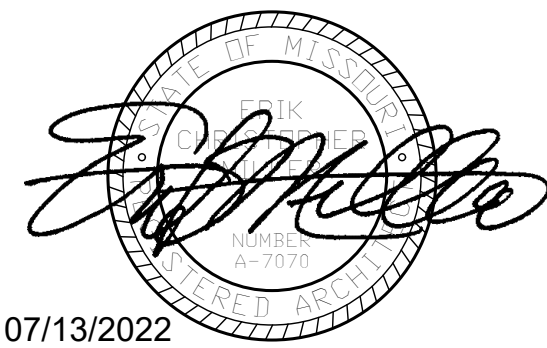
ROOM	OCC. PER S.F.	AREA	OCC. PER RM.
OPEN OFFICE AREA	1/100 S.F.	432 S.F.	5 OCCUPANTS
OFFICE #1	1/100 S.F.	125 S.F.	2 OCCUPANTS
OFFICE #2	1/100 S.F.	124 S.F.	2 OCCUPANTS
MECH. RM.	-	-	0 OCCUPANT
SUPPLY ROOM	-	-	0 OCCUPANTS
TOTAL:			9 OCCUPANTS

EGRESS WIDTH REQ'D (TABLE 7.3.3.1): 9 OCCUPANTS x 0.2'/OCC. = 1.8"
AVAILABLE EGRESS WIDTH: 66"
MIN. CORRIDOR WIDTH: 84"
MAX. COMMON PATH OF TRAVEL (SECT. 38.2.5.3.1): 100 FEET
MAX. DEAD-END CORRIDORS (SECTION 38.2.5.2.1): 50 FEET
MAX. TRAVEL DISTANCE (SECTION 38.2.6.1): 200 FEET

SEPARATION OF OCCUPANCIES (TABLE 6.1.14.4.1):
BUSINESS & STORAGE (LOW AND ORDINARY HAZARD): 2-HOURS
REDUCED BY 1-HOUR DUE TO THE PRESENCE OF SPRINKLERS (SECT. 6.1.14.4.3): 1-HOUR
MECHANICAL ROOM: 1-HOUR

FIRE ALARM SYSTEM: PER NFPA 70, 72 & UFC 3-600-01
FIRE PROTECTION SYSTEMS: AUTOMATIC SPRINKLER SYSTEM PER NFPA 13 (TABLE 28.3.2.2.2, HAZARDOUS AREA PROTECTION FOR BOILER & FUEL-FIRED HEATER ROOMS SERVING MORE THAN A SINGLE GUEST ROOM OR GUEST SUITE)
PORTABLE EXTINGUISHING EQUIP. PER NFPA

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



07/13/2022



OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION
DEPARTMENT OF
PUBLIC SAFETY
Missouri Army National Guard

Macon Training Site
29614 Jaguar Street
Macon, MO 63552

COMPANY HEADQUARTERS
& ADMINISTRATION
SUPPLY BUILDING

PROJECT # T2214-01
SITE # 6319
ASSET # 8136319018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/13/2022

CAD DWG FILE: _____
DRAWN BY: LC
CHECKED BY: EM
DESIGNED BY: EM

SHEET TITLE:
LIFE SAFETY
PLAN & CODE
ANALYSIS

SHEET NUMBER:

G-002

2 OF 28 SHEETS
07/13/2022



GENERAL NOTES:

THE STORM SEWER NETWORK DESIGN FOR THIS PROJECT IS BASED ON OPEN CHANNEL FLOW; THEREFORE THE HYDRAULIC GRADE LINE IS AT OR LESS THAN THE CROWN OF THE PIPE.

EXISTING UTILITIES SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL COORDINATE LOCATES (HORIZONTAL AND VERTICAL) PRIOR TO ANY EXCAVATION.

ALL EXCAVATION TO BE IN ACCORDANCE WITH SECTIONS 319.010–319.050, REVISED STATUTES OF THE STATE OF MISSOURI. SUCH COMPLIANCE SHALL NOT, HOWEVER, EXCUSE ANY PERSON MAKING ANY EXCAVATION FROM DOING SO IN A CAREFUL AND PRUDENT MANNER, NOR SHALL IT EXCUSE SUCH PERSON FROM LIABILITY FOR ANY DAMAGE OR INJURY TO UNDERGROUND UTILITIES RESULTING FROM THE EXCAVATION.

A GEOTECHNICAL EVALUATION HAS BEEN PERFORMED BY CROCKETT GEOTECHNICAL TESTING LAB (GTL). REFER TO REPORT NUMBER G22783 DATED JUNE 8, 2022 BY CROCKETT GTL.

ALL SLOPES ARE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.

IT IS THE INTENT OF THESE PLANS TO COMPLY WITH THE REQUIREMENTS OF THE MoDNR CLEAN WATER COMMISSION.

ALL DISTURBED AREAS WITHIN THE "LIMITS OF DISTURBANCE" SHALL BE FINE GRADED, SEEDED, AND MULCHED.

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EROSION CONTROL DEVICES AND REMOVING THEM ONCE THE SITE IS STABILIZED.

SANITARY SEWER PIPE TO BE 4" PVC SDR 35 UNLESS OTHERWISE NOTED.

ALL SEWERLINES SHALL BE CONSTRUCTED AT LEAST 10 FEET HORIZONTALLY, EDGE TO EDGE, FROM ANY WATERLINE AND AT LEAST 24 INCHES VERTICALLY BETWEEN THE OUTSIDE LIMITS OF THE SANITARY SEWER AND WATERLINE. FOR CONDITIONS OTHER THAN THOSE IDENTIFIED ABOVE, CONTACT THE ENGINEER FOR SPECIFIC INSTRUCTIONS.

ALL HDPE PIPE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. REFER TO DETAIL FOR PIPE BEDDING REQUIREMENTS.

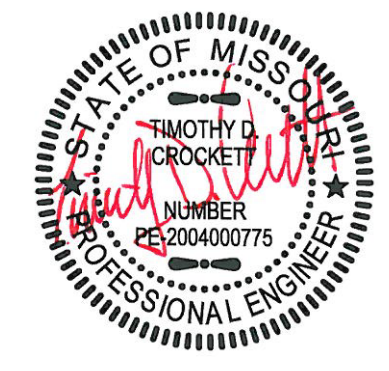
TOTAL DISTURBED AREA ON SITE = 15,000 SQ. FT.

MISSOURI DNR LAND DISTURBANCE PERMIT IS NOT REQUIRED.

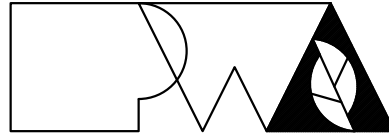
LEGEND OF SYMBOLS:

	EXISTING CURB	FF-XXXX	FINISH FLOOR OF STRUCTURE
	PROPOSED CURB		PROPOSED TOP OF CURB ELEVATION
	RIP RAP		PROPOSED TOP OF PAVEMENT ELEVATION
	EXISTING STRUCTURE		PROPOSED FINISH GRADE ELEVATION
	EXISTING TREELINE		PROPOSED TOP OF WALL
	PROPOSED TREELINE		LOT NUMBER
	EDGE OF WATERWAY		STORM SEWER STRUCTURE LABEL
	EXISTING WATERLINE		SANITARY SEWER STRUCTURE LABEL
	PROPOSED WATERLINE	HP.	HIGH POINT
	EXISTING GAS LINE	LP.	LOW POINT
	PROPOSED GAS LINE		EXISTING SIGNS
	EXISTING UNDERGROUND TELEPHONE		EXISTING POWER POLE
	EXISTING UNDERGROUND CABLE TELEVISION		EXISTING GAS VALVE
	EXISTING HIGH VOLTAGE ELECTRIC		EXISTING WATER VALVE
	EXISTING OVERHEAD ELECTRIC		EXISTING GAS METER
	EXISTING UNDERGROUND ELECTRIC		EXISTING WATER METER
	EXISTING OVERHEAD ELEC. & TV		EXISTING FIRE HYDRANT
	EXISTING OVERHEAD ELEC., TV & TELE.		MANHOLE
	EXISTING SANITARY SEWER		EXISTING SANITARY SEWER LATERAL
	PROPOSED SANITARY SEWER		PROPOSED SANITARY SEWER LATERAL
	EXISTING MINOR CONTOUR		PROPOSED TRACER WIRE TEST STATION BOX
	EXISTING MAJOR CONTOUR		EXISTING AIR CONDITIONER
	PROPOSED MINOR CONTOUR		EXISTING TELEPHONE PEDESTAL
	PROPOSED MAJOR CONTOUR		EXISTING ELECTRICAL TRANSFORMER
	100 YEAR FLOOD PLAIN		EXISTING ELECTRIC METER
	FLOODWAY		EXISTING LIGHT POLE
	ORDINARY HIGH WATER MARK		EXISTING GUY WIRE
	STREAM SIDE BUFFER		
	OUTER STREAM BUFFER		

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



TIMOTHY D. CROCKETT
MO LICENSE 2004000775



Peckham & Wright Architects, Inc., d.b.a.
PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2883

Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

PREPARED BY:



1000 W. Nifong Blvd., Bldg. 1
Columbia, Missouri 65203
(573) 447-0292

www.crockettengineering.com

Crockett Engineering Consultants, LLC
Missouri Certificate of Authority
#2000151301

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION
DEPARTMENT OF
PUBLIC SAFETY
Missouri Army National Guard

Macon Training Site
29614 Jaguar Street
Macon, MO 63552

COMPANY HEADQUARTERS
& ADMINISTRATION BLDG.

PROJECT # T2214-01
SITE # 6319
ASSET # 8136319018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 07/13/2022

CAD DWG FILE: _____
DRAWN BY: TWC
CHECKED BY: TDC
DESIGNED BY: TWC

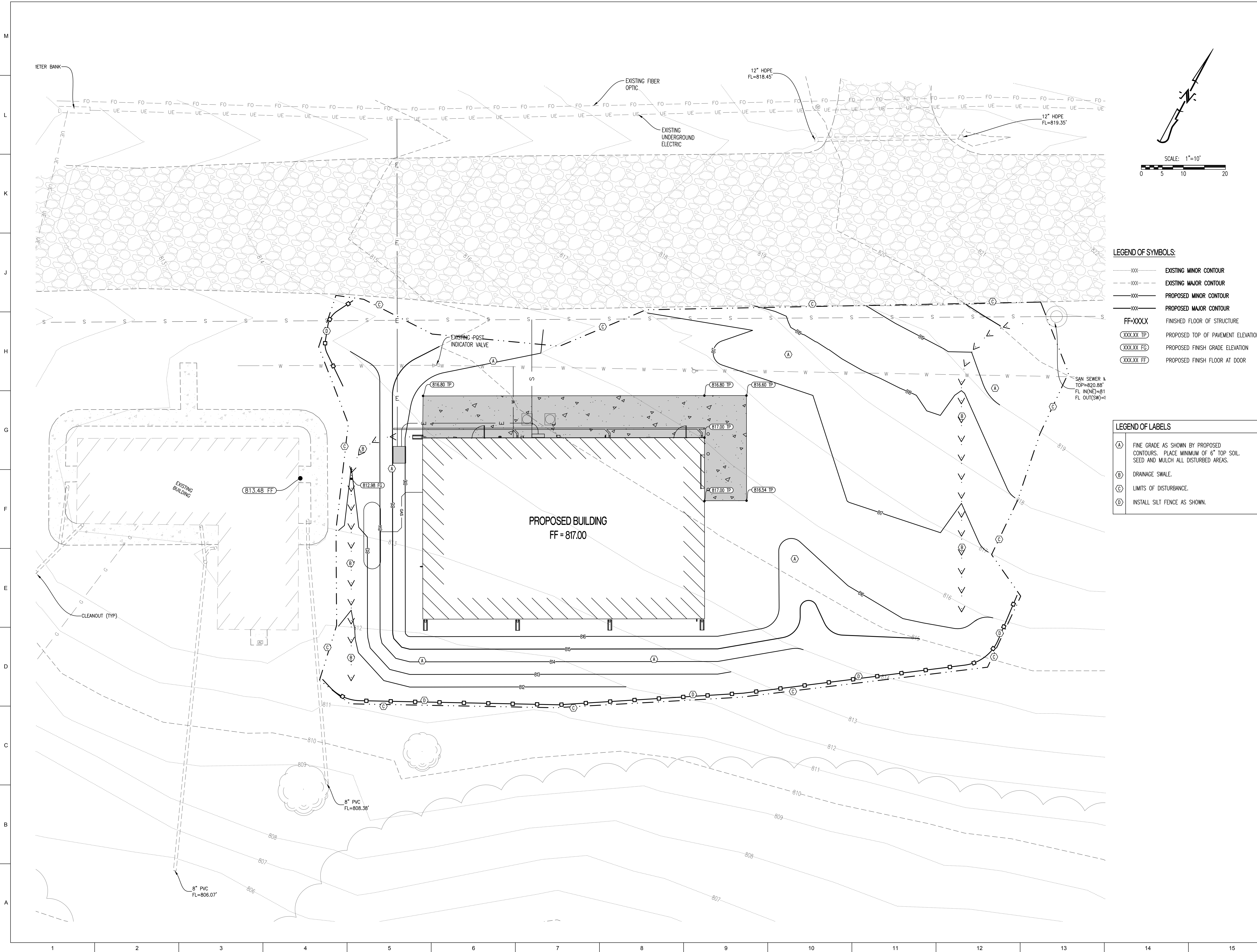
SHEET TITLE:

CIVIL NOTES

SHEET NUMBER:

C-001

3 OF 28 SHEETS
07/13/2022



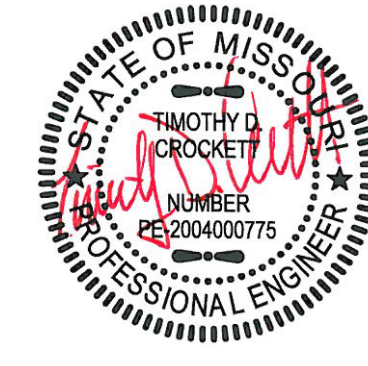
LEGEND OF SYMBOLS:

- XXX--- EXISTING MINOR CONTOUR
- - -XXX- - - EXISTING MAJOR CONTOUR
- XXX--- PROPOSED MINOR CONTOUR
- XXX--- PROPOSED MAJOR CONTOUR
- FF=XXXX FINISHED FLOOR OF STRUCTURE
- XXXXXX TP PROPOSED TOP OF PAVEMENT ELEVATION
- XXXXXX FG PROPOSED FINISH GRADE ELEVATION
- XXXXXX FF PROPOSED FINISH FLOOR AT DOOR

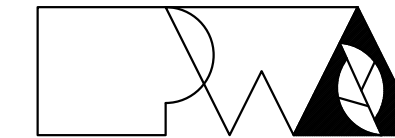
LEGEND OF LABELS

- (A) FINE GRADE AS SHOWN BY PROPOSED CONTOURS. PLACE MINIMUM OF 6" TOP SOIL, SEED AND MULCH ALL DISTURBED AREAS.
- (B) DRAINAGE SWALE.
- (C) LIMITS OF DISTURBANCE.
- (D) INSTALL SILT FENCE AS SHOWN.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



TIMOTHY D. CROCKETT
MO LICENSE 2004000775



PWA Architects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWAarchitects.com | 573.449.2883

Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

PREPARED BY:



1000 W. Nifong Blvd., Bldg. 1
Columbia, Missouri 65203
(573) 447-0592

www.crockettengineering.com

Crockett Engineering Consultants, LLC
Missouri Certificate of Authority
#2000151301

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION
DEPARTMENT OF
PUBLIC SAFETY
Missouri Army National Guard

Macon Training Site
29614 Jaguar Street
Macon, MO 63552

COMPANY HEADQUARTERS
& ADMINISTRATION BLDG.

PROJECT # T2214-01
SITE # 6319
ASSET # 8136319018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/13/2022

CAD DWG FILE: _____
DRAWN BY: TWC
CHECKED BY: TDC
DESIGNED BY: TWC

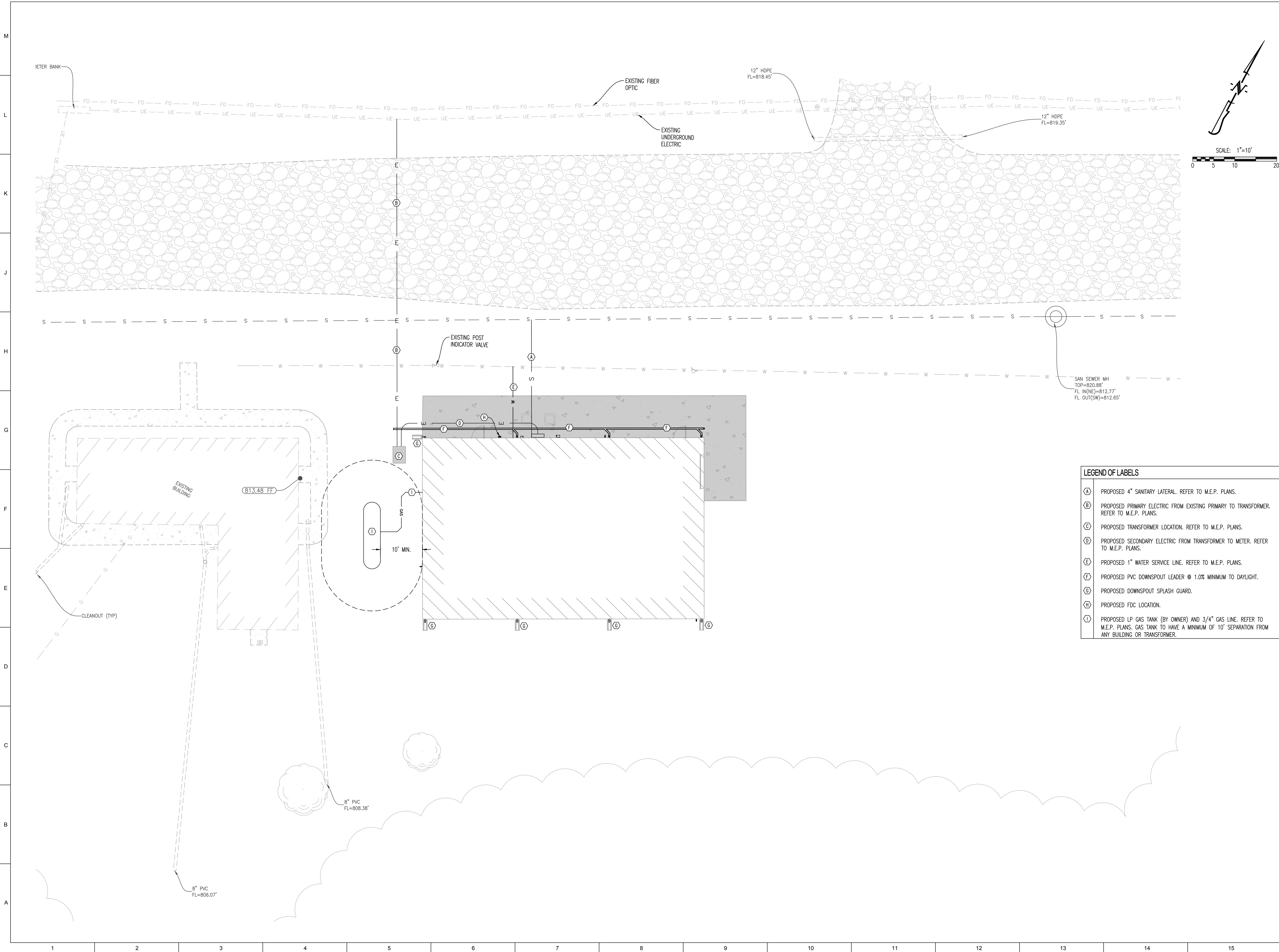
SHEET TITLE:

EROSION
CONTROL &
GRADING PLAN

SHEET NUMBER:

C-002

4 OF 28 SHEETS
07/13/2022



STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



TIMOTHY D. CROCKETT
MO LICENSE 2004000775



PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2883

Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

PREPARED BY:



1000 W. Nifong Blvd., Bldg. 1
Columbia, Missouri 65203
(573) 467-0592
www.crockettengineering.com
Crockett Engineering Consultants, LLC
Missouri Certificate of Authority
#2000151301

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION
DEPARTMENT OF
PUBLIC SAFETY
Missouri Army National Guard

Macon Training Site
29614 Jaguar Street
Macon, MO 63552

COMPANY HEADQUARTERS
& ADMINISTRATION BLDG.

PROJECT # T2214-01
SITE # 6319
ASSET # 8136319018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 07/13/2022

CAD DWG FILE: _____
DRAWN BY: TWC
CHECKED BY: TDC
DESIGNED BY: TWC

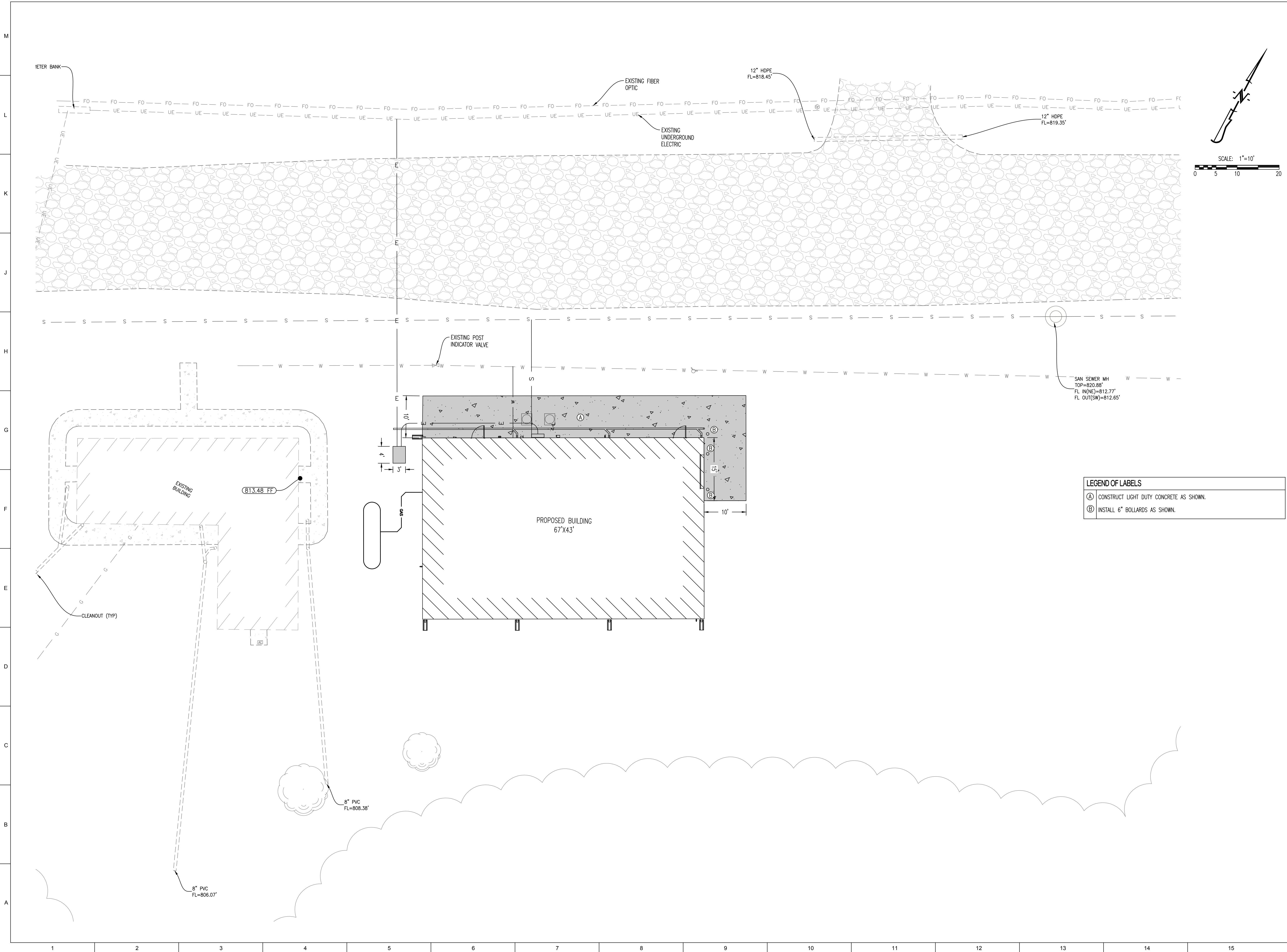
SHEET TITLE:

UTILITY PLAN
- BASE BID

SHEET NUMBER:

C-003

5 OF 28 SHEETS
07/13/2022



STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



TIMOTHY D. CROCKETT
MO LICENSE 2004000775



PWA Architects, Inc.

2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWAarchitects.com | 573.449.2983

Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

PREPARED BY:



1000 W. Nifong Blvd., Bldg. 1
Columbia, Missouri 65203
(573) 447-0292

www.crockettengineering.com

Crockett Engineering Consultants, LLC
Missouri Certificate of Authority
#2000151301

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION
DEPARTMENT OF
PUBLIC SAFETY

Missouri Army National Guard

Macon Training Site
29614 Jaguar Street
Macon, MO 63552

COMPANY HEADQUARTERS
& ADMINISTRATION BLDG.

PROJECT # T2214-01
SITE # 6319
ASSET # 8136319018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 07/13/2022

CAD DWG FILE: _____
DRAWN BY: TWC
CHECKED BY: TDC
DESIGNED BY: TWC

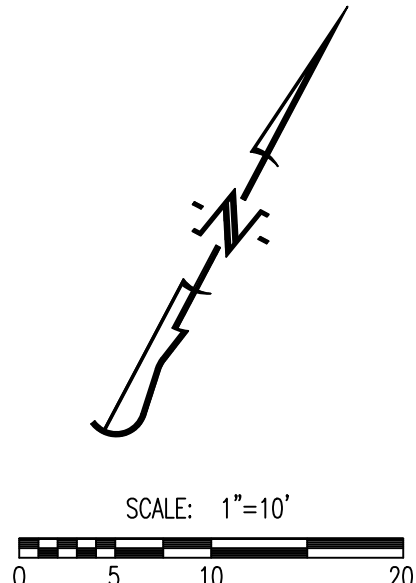
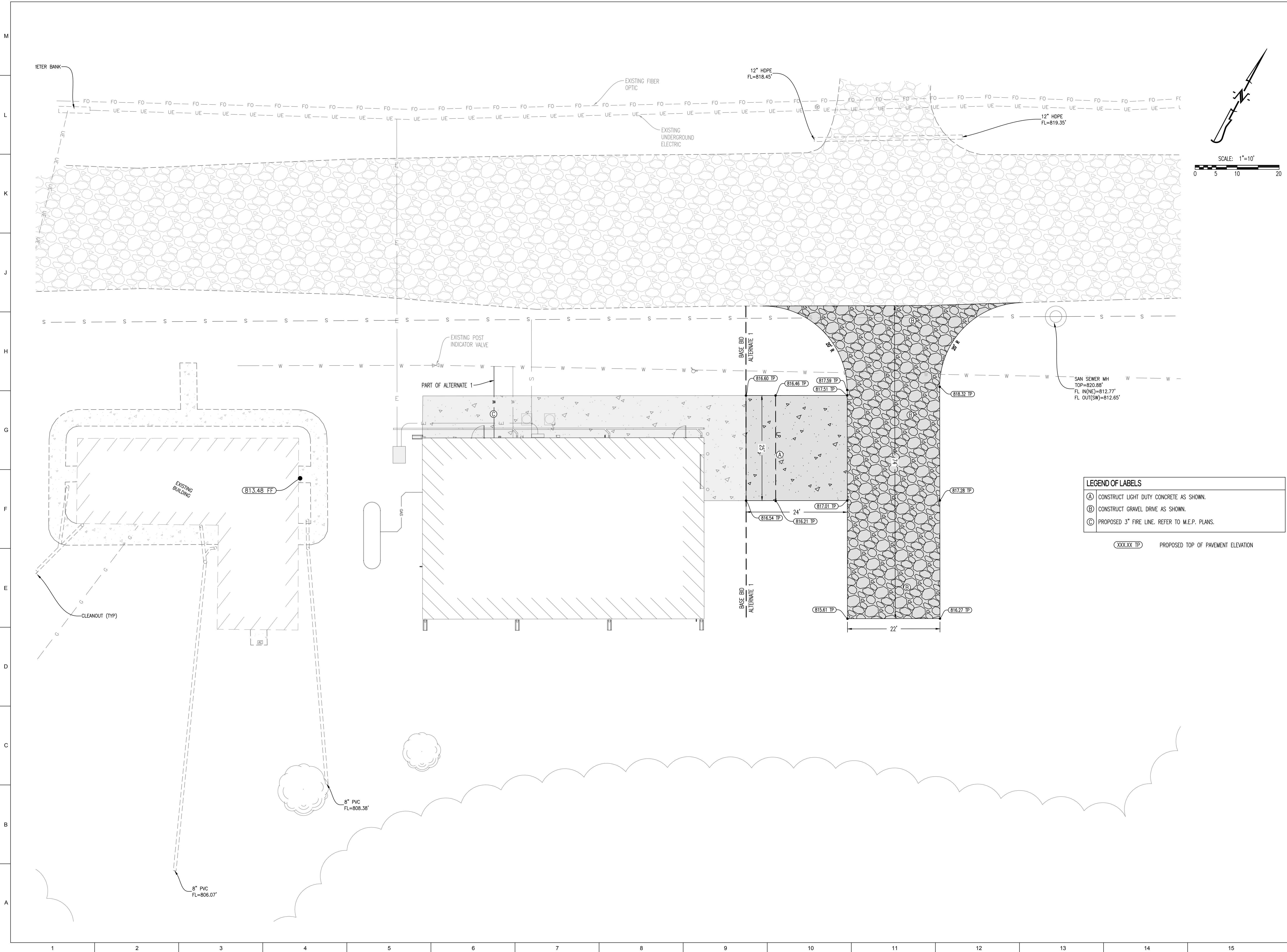
SHEET TITLE:

SITE PLAN -
BASE BID

SHEET NUMBER:

C-004

6 OF 28 SHEETS
07/13/2022

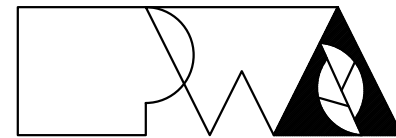


LEGEND OF LABELS	
(A)	CONSTRUCT LIGHT DUTY CONCRETE AS SHOWN.
(B)	CONSTRUCT GRAVEL DRIVE AS SHOWN.
(C)	PROPOSED 3\"/>
(XXX.XX TP) PROPOSED TOP OF PAVEMENT ELEVATION	

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



TIMOTHY D. CROCKETT
MO LICENSE 2004000775



Peckham & Wright Architects, Inc., d.b.a.
PWArchitects, Inc.

2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2983

Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

PREPARED BY:

CROCKETT
ENGINEERING CONSULTANTS

1000 W. Nifong Blvd., Bldg. 1
Columbia, Missouri 65203
(573) 447-0292

www.crockettengineering.com

Crockett Engineering Consultants, LLC
Missouri Certificate of Authority
#2000151301

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION
DEPARTMENT OF
PUBLIC SAFETY

Missouri Army National Guard

Macon Training Site
29614 Jaguar Street
Macon, MO 63552

COMPANY HEADQUARTERS
& ADMINISTRATION BLDG.

PROJECT # T2214-01
SITE # 6319
ASSET # 8136319018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 07/13/2022

CAD DWG FILE: _____
DRAWN BY: TWC
CHECKED BY: TDC
DESIGNED BY: TWC

SHEET TITLE:

**UTILITY &
SITE PLAN -
ALTERNATE 1**

SHEET NUMBER:

C-005

7 OF 28 SHEETS
07/13/2022



Macon Training Site
29614 Jaguar Street
Macon, MO 63552

PROJECT # T2214-01
SITE # 6319
ASSET # 8136319018

CAD DWG FILE: _____
 DRAWN BY: JCS _____
 CHECKED BY: GLL _____
 DESIGNED BY: GLL _____

GENERAL STRUCTURAL DATA

S-100

8 OF 28 SHEETS
07/13/2022

ELEVATION DATUM
SEE ARCHITECTURAL DRAWINGS OR SITE PLAN FOR FINISH FLOOR ELEVATIONS

2018 INTERNATIONAL BUILDING CODE

EARTHWORK OPERATIONS SHALL BE PERFORMED UNDER THE DIRECTION OF A PROFESSIONAL TESTING AGENCY TO ASSURE COMPLIANCE WITH THE RECOMMENDATIONS OF THE SOILS REPORT BY CROCKETT GTL DATED JUNE 8, 2022.

CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF THE CURRENT ACI 301, SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 305 SPECIFICATIONS FOR HOT WATER CONCRETE, AND ACI 306 SPECIFICATIONS FOR COLD WEATHER CONCRETE, WITH THE FOLLOWING ADDITIONAL REQUIREMENTS:

1. CONCRETE SHALL DEVELOP THE FOLLOWING 28-DAY MINIMUM COMPRESSIVE STRENGTH:

FOUNDATIONS	3,000 PSI
CAST-IN-PLACE WALLS	3,500 PSI
FLOOR SLAB	4,000 PSI
EXTERIOR SLABS, WALLS AND CURBS	4,000 PSI
2. ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR ENGINEERED FILL.
3. CHLORIDE- BASED ADMIXTURES ARE PROHIBITED IN ALL REINFORCED CONCRETE.
4. REINFORCING STEEL SHALL CONFORM TO ASTM A615, A616, or A617, GRADE 60.
5. ALL CONTINUOUS REINFORCING STEEL THAT MEETS AT A CORNER SHALL BE TIED TOGETHER WITH A CORNER BAR THAT HAS SUFFICIENT LAP DISTANCE IN EACH DIRECTION.
6. CONTINUOUS REINFORCING BARS LAP LENGTH SHALL BE A MINIMUM OF 48 BAR DIAMETERS UNLESS NOTED OTHERWISE.
7. CONCRETE SLUMP SHALL BE A MAXIMUM OF 4" +/- 1" (ASTM C- 143) AS DELIVERED IN THE FIELD. CONTRACTOR MAY USE CHEMICAL ADMIXTURES TO ATTAIN A MAXIMUM SLUMP OF 8" FOR WORKABILITY. NO WATER MAY BE ADDED TO THE CONCRETE MIX ON SITE UNLESS WATER IS WITHHELD AT THE BATCHING FACILITY. IF WATER IS WITHHELD AT THE BATCHING FACILITY IT SHOULD BE REFLECTED ON THE LOAD TICKET. THE TOTAL AMOUNT OF WATER IN THE MIX SHALL NOT EXCEED WHAT IS NOTED ON THE APPROVED MIXED. THIS SHALL BE NOTED IN THE SPECIAL INSPECTOR'S RECORDS.
8. CONCRETE EXPOSED TO WEATHER, VEHICLES, AND/OR DEICING CHEMICALS SHALL BE AIR-ENTRAINED WITH 6% (+/-) 1.5% ENTRAINED AIR BY VOLUME AT POINT OF DISCHARGE. DO NOT ALLOW AIR CONTENT OF TROWELED FINISH FLOORS TO EXCEED 3%.
9. SUBMIT CONCRETE MIX PROPORTIONS PRIOR TO START OF WORK. DO NOT BEGIN CONCRETE PRODUCTION UNTIL MIXES HAVE BEEN REVIEWED AND ARE ACCEPTABLE TO THE ENGINEER.
10. READY MIX CONCRETE SHALL COMPLY WITH REQUIREMENTS OF ASTM C94.
11. CONCRETE WORK EXECUTION
 - A. CONSTRUCT FORMS TO CORRECT SIZE, SHAPE, ALIGNMENT, ELEVATION AND POSITION; AND TO SUPPORT VERTICAL AND LATERAL LOADS.
 - B. POSITION, SUPPORT, AND SECURE REINFORCEMENT AGAINST DISPLACEMENT. MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE, UNLESS NOTED OTHERWISE ON THE DRAWINGS:

CAST AGAINST AND EXPOSED TO EARTH3 INCHES
EXPOSED TO EARTH OR WEATHER2 INCHES
NOT EXPOSED TO WEATHER OR	
IN CONTACT WITH EARTH1 1/2 INCHES
 - C. PROVIDE CONTROL JOINTS IN SLABS-ON-GRADE AT NOT GREATER THAN 15 FEET ON CENTER IN EACH DIRECTION. SAW CUT CONTROL JOINTS MINIMUM 1/4 OF SLAB DEPTH, AS SOON AFTER SLAB FINISHING WITHOUT DISLOCATING AGGREGATE.
 - D. STEEL TROWEL FINISH ALL INTERIOR CONCRETE SLABS, BRUSH ALL EXTERIOR CONCRETE SLABS.
 - E. CURE ALL CONCRETE IN COMPLIANCE WITH ACI 301, USING A LIQUID TYPE MEMBRANE, NON-RESIDUAL, CURING COMPOUND COMPLYING WITH ASTM C309. ASSURE COMPATIBILITY WITH FINISH FLOOR COVERING.

1. ALL POST-INSTALLED ANCHORS SHALL MEET THE REQUIREMENTS OF THE CODE-CITED EDITION OF ACI 318, APPENDIX "D", AND SHALL BE ACCEPTABLE FOR BOTH CRACKED AND UNCRACKED CONCRETE.
2. EXPANSION ANCHORS HAVE BEEN DESIGNED AS HILTI KWIK BOLT HY 200 ANCHORS, UNLESS NOTED OTHERWISE.
3. ANCHOR ANCHORS HAVE BEEN DESIGNED TO USE HILTI HIT HY 200 ADHESIVE IN CONCRETE OR SOLID MASONRY, UNLESS NOTED OTHERWISE.
4. EQUIVALENT ANCHORS MAY BE SUBMITTED FOR THE ENGINEER'S APPROVAL. SUBMITTALS ARE THE CONTRACTOR'S RESPONSIBILITY AND MUST INCLUDE EVALUATION REPORTS FROM THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS (ICBO).
5. EMBEDMENT DEPTH IS DEFINED AS THE DISTANCE FROM THE SURFACE OF THE LOAD-BEARING BASE MATERIAL TO THE DEEPEST PART OF THE ANCHOR AFTER THE ANCHOR HAS BEEN DRIVEN INTO THE HOLE BUT NOT YET EXPANDED.
6. ADHESIVE ANCHORS SHALL BE ACCEPTABLE FOR LONG-TERM LOADING, WHEN BASE MATERIAL TEMPERATURES ARE BELOW 40 DEG F, ONLY NON-EPoxy-BASED ADHESIVES SHALL BE USED.
7. FURTHER DETAILED INFORMATION SHALL BE USED WHEN SPECIFIED ON THE DRAWINGS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE TAKEN TO AVOID CONFLICTS WITH EXISTING REINFORCING BARS. HOLES SHALL BE DRILLED AND CLEANED PER ANCHOR MANUFACTURER'S SPECIFICATIONS.
8. STAINLESS STEEL ANCHORS ARE REQUIRED AT ALL PERMANENTLY EXPOSED WEATHER CONDITIONS.

1. DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE AISC SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES, AND CURRENT OSHA STANDARDS.
2. ALL STRUCTURAL AND MISCELLANEOUS STEEL ITEMS SHALL RECEIVE ONE COAT OF RUST INHIBITIVE PRIMER/PAINT.
3. ALL WELDING SHALL BE DONE BY QUALIFIED WELDERS IN ACCORDANCE WITH THE CURRENT EDITION OF THE AWS STRUCTURAL WELDING CODE.
4. THIS STEEL STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH THE SPECIFIED CODE.
5. PER IRC TABLE 1604.3 ROOF MEMBERS SHALL BE DESIGNED AND CONSTRUCTED FOR A MAXIMUM TOTAL LOAD DEFLECTION OF $L/120$ AND $L/180$ LIVE LOAD, WALL GIRTS SHALL BE DESIGNED FOR A MAXIMUM TOTAL LOAD DEFLECTION OF $L/120$ WITHOUT BRICK AND TOTAL FRAME DEFLECTION SHALL BE LIMITED TO $H/60$. (ALL DEFLECTIONS BASED ON SERVICE WIND LOAD)
6. LOADING DESIGN DATA SHALL BE AS FOLLOWS:
 - 6.1. ROOF LOADINGS:

6.1.1. LIVE LOAD	20 PSF
6.1.2. COLLATERAL LOAD	5 PSF (MECHANICAL, SPRINKLER & LIMITED CEILINGS)
6.1.3. DEAD LOAD	STRUCTURE WEIGHT
 - 6.2. SNOW LOAD (DRIFTING AND SLIDING SNOW IN ADDITION TO UNIFORM LOAD):

6.2.1. $P_g =$	20 PSF
6.2.2. $I_s =$	1.0
 - 6.3. SEISMIC DESIGN DATA:

6.3.1. OCCUPANCY CATEGORY	II
6.3.2. SITE CLASSIFICATION	D
6.3.3. $I_e =$	1.0
6.3.4. $S_s =$	0.116
6.3.5. $S_I =$	0.076
 - 6.4. WIND LOADINGS:

6.4.1. $V =$	108 MPH (3-SECOND GUST)
6.4.2. $I_w =$	1.0
6.4.3. EXPOSURE =	C
7. SUBMITTALS SHALL INCLUDE THE FOLLOWING:
 - a. SHOP DRAWINGS PREPARED UNDER THE SUPERVISION OF, AND SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MISSOURI INCLUDING ANCHOR PLATE AND DETAILS.
 - b. DESIGN LOADS FOR FOUNDATION AND ANCHOR DESIGN INCLUDING VERTICAL, HORIZONTAL, AND LATERAL LOADS AT EACH COLUMN BASE.
8. NET ALLOWABLE BEARING CAPACITY 2,500 PSF

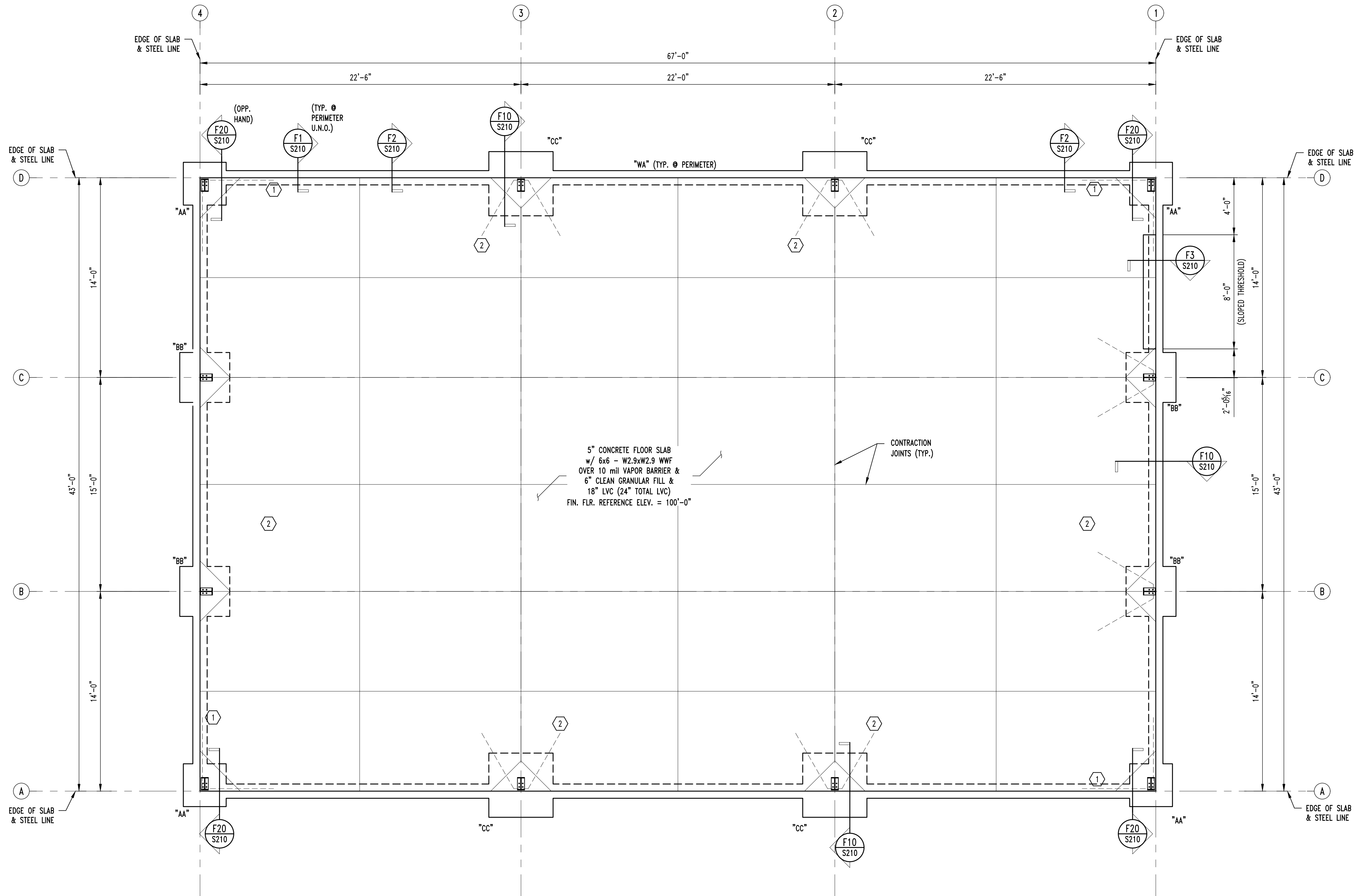
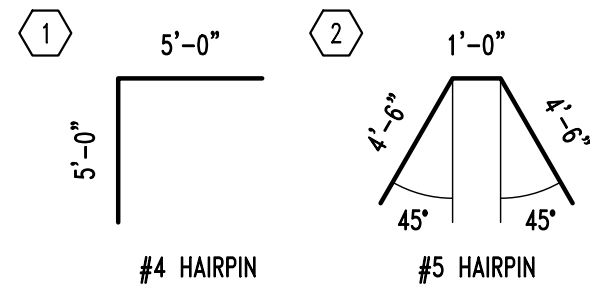
THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE.

- a. CONCRETE GROUT DESIGN MIX (PERIODIC)
- b. PLACING OF CONCRETE AND REINFORCING STEEL (CONTINUOUS OF CONCRETE SAMPLING / PERIODIC OF REINFORCING)
- c. BOLTS & ANCHORS EMBEDDED IN CONCRETE (PERIODIC)
- d. STRUCTURAL STEEL FABRICATIONS (UNLESS AISC APPROVED) (PERIODIC)
- e. STRUCTURAL STEEL BOLTING & WELDING (PERIODIC)
- f. POST INSTALLED ANCHORS IN CONCRETE (CONTINUOUS)
- g. IN-SITU SOILS, EXCAVATIONS, FILLING & COMPACTION (PERIODIC)

THE CONTRACTOR SHALL REQUEST SPECIAL INSPECTION OF THE ITEMS LISTED ABOVE PRIOR TO THOSE ITEMS BECOMING INACCESSIBLE AND UNOBSERVABLE DUE TO PROGRESSION OF THE WORK.

NOTE:
ALL DIMENSIONS ARE FROM FACE OF FOUNDATION WALL OR FRAMING;
EDGE OF SLAB OR TRUSS/RAFTER; OR CENTERLINE
OF COLUMN, BEAM, OR JOIST UNLESS NOTED OTHERWISE.

HAIRPIN KEY



FOUNDATION PLAN

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



FOOTING SCHEDULE

MARK	WIDTH (W)	LENGTH (L)	DEPTH (D)	REINFORCING
"AA"	3'-0" SQ.	---	3'-0"	4 - #5 x 2'-6" EACH WAY, TOP & BOTTOM
"BB"	3'-6" SQ.	---	3'-0"	5 - #5 x 3'-0" EACH WAY, TOP & BOTTOM
"CC"	4'-6" SQ.	---	3'-0"	6 - #5 x 4'-0" EACH WAY, TOP & BOTTOM
"WA"	1'-0"	CONT.	2'-6"	3 - #4 CONTINUOUS

NOTE:
EXACT ANCHOR BOLT SIZE & VERIFICATION OF EXACT
FOOTING SIZE TO BE DETERMINED ONCE FINAL
PRE-ENGINEERED BUILDING REACTIONS ARE PROVIDED
TO THE STRUCTURAL ENGINEER.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



GREGORY L. LINNEMAN - PE
MO LICENSE - 2005001013
7/13/22



Peckham & Wright Architects, Inc., d.b.a.
PWAarchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWAarchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244



CROCKETT
ENGINEERING CONSULTANTS
1000 W. Nifong Blvd., Bldg. 1
Columbia, Missouri 65203
(573) 447-0292
www.crockettengineering.com
Crockett Engineering Consultants, LLC
Missouri Certificate of Authority
#2000151301

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION
DEPARTMENT OF
PUBLIC SAFETY
Missouri Army National Guard

Macon Training Site
29614 Jaguar Street
Macon, MO 63552

COMPANY HEADQUARTERS
& ADMINISTRATION
SUPPLY BUILDING

PROJECT # T2214-01
SITE # 6319
ASSET # 8136319018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/13/2022

CAD DWG FILE: _____
DRAWN BY: JCS
CHECKED BY: GLL
DESIGNED BY: GLL

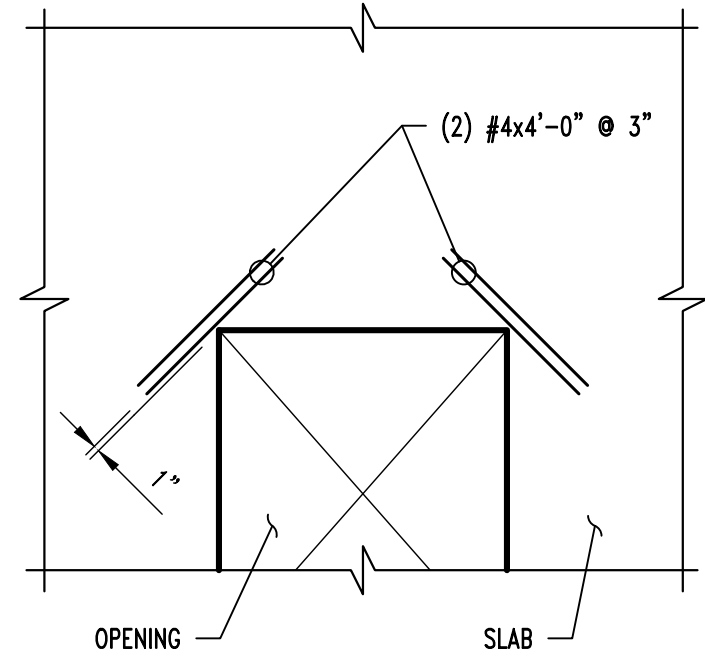
SHEET TITLE:
**FOUNDATION
PLAN**

SHEET NUMBER:

S-200

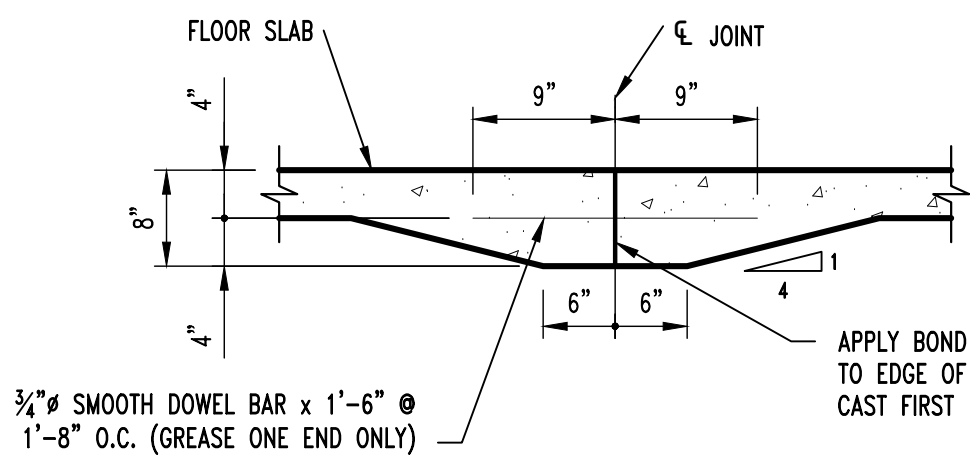
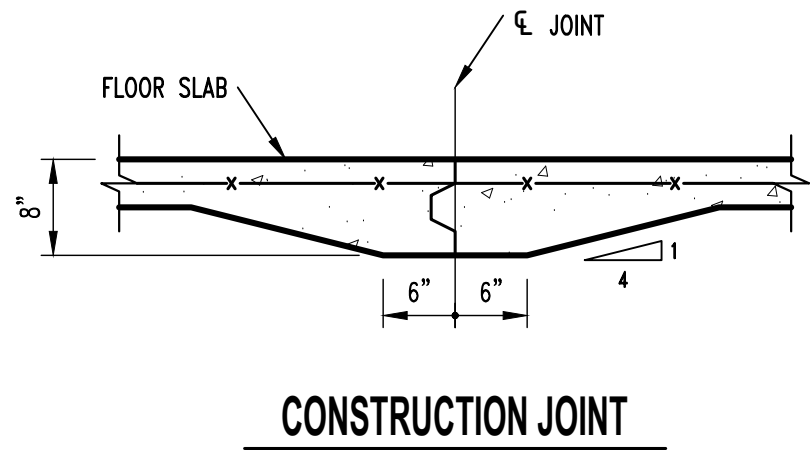
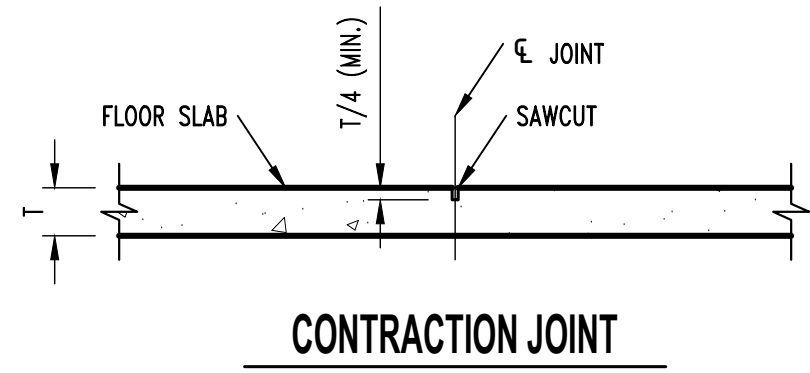
9 OF 28 SHEETS
07/13/2022

NOTE:
REFER TO FOOTING SCHEDULE ON SHEET S200
FOR "W", "D", AND "REINFORCING" INFORMATION.

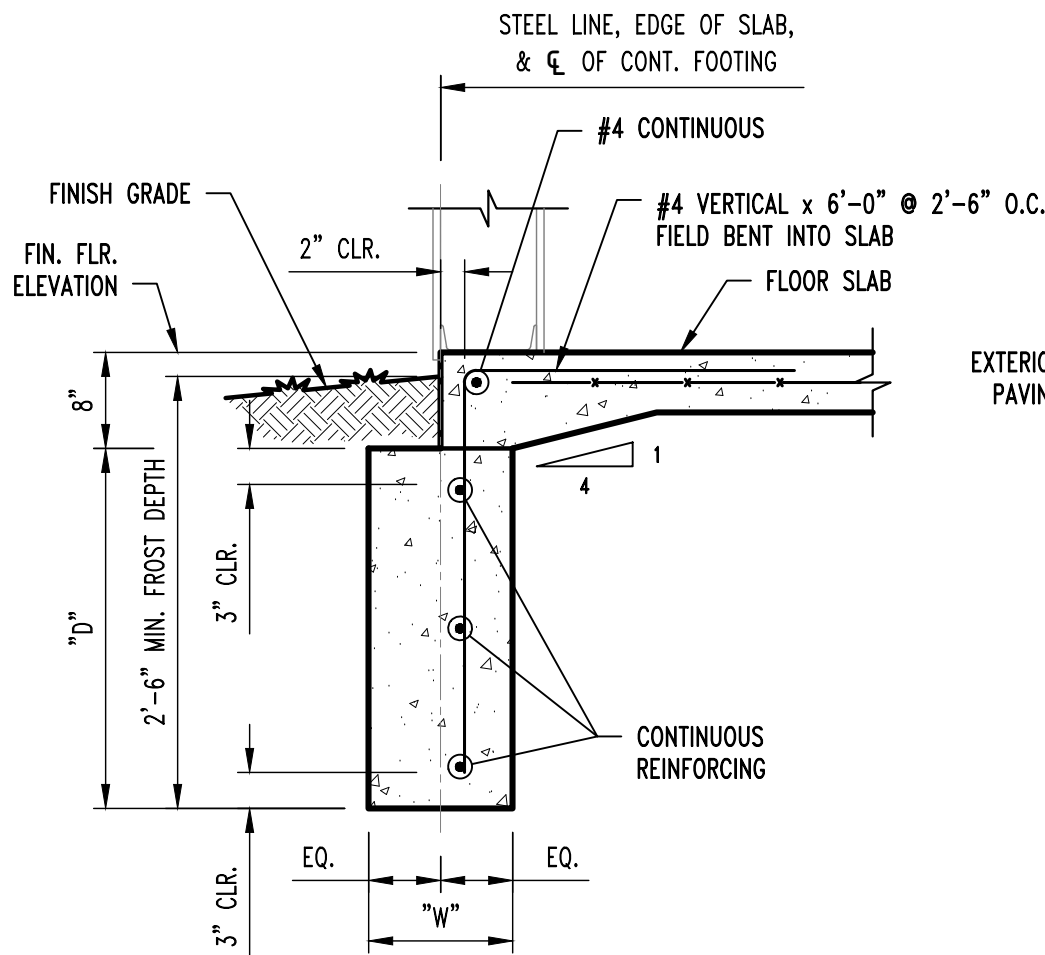


NOTE:
TYPICAL AT ALL REINTRANT CORNERS FOR
SLAB-ON-GRADE & STRUCTURAL SLAB.
REINFORCING TO BE CENTERED IN SLAB THICKNESS.

CRACK CONTROL REINFORCING

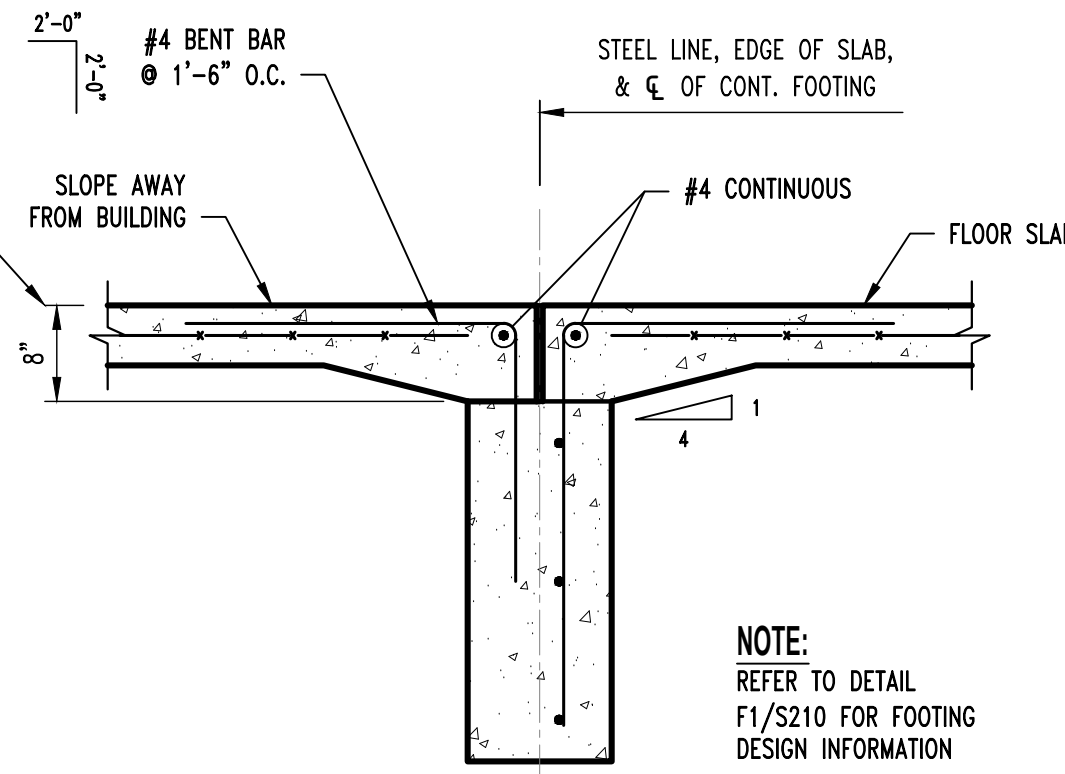


CONSTRUCTION JOINT



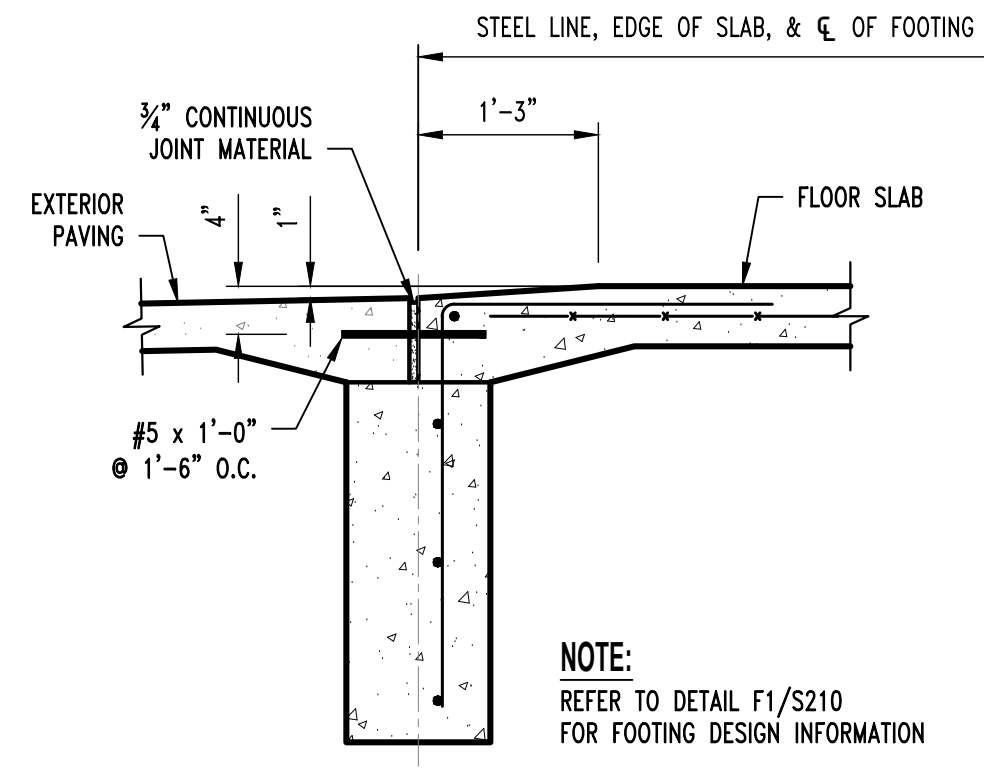
CONTINUOUS FOOTING SECTION

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



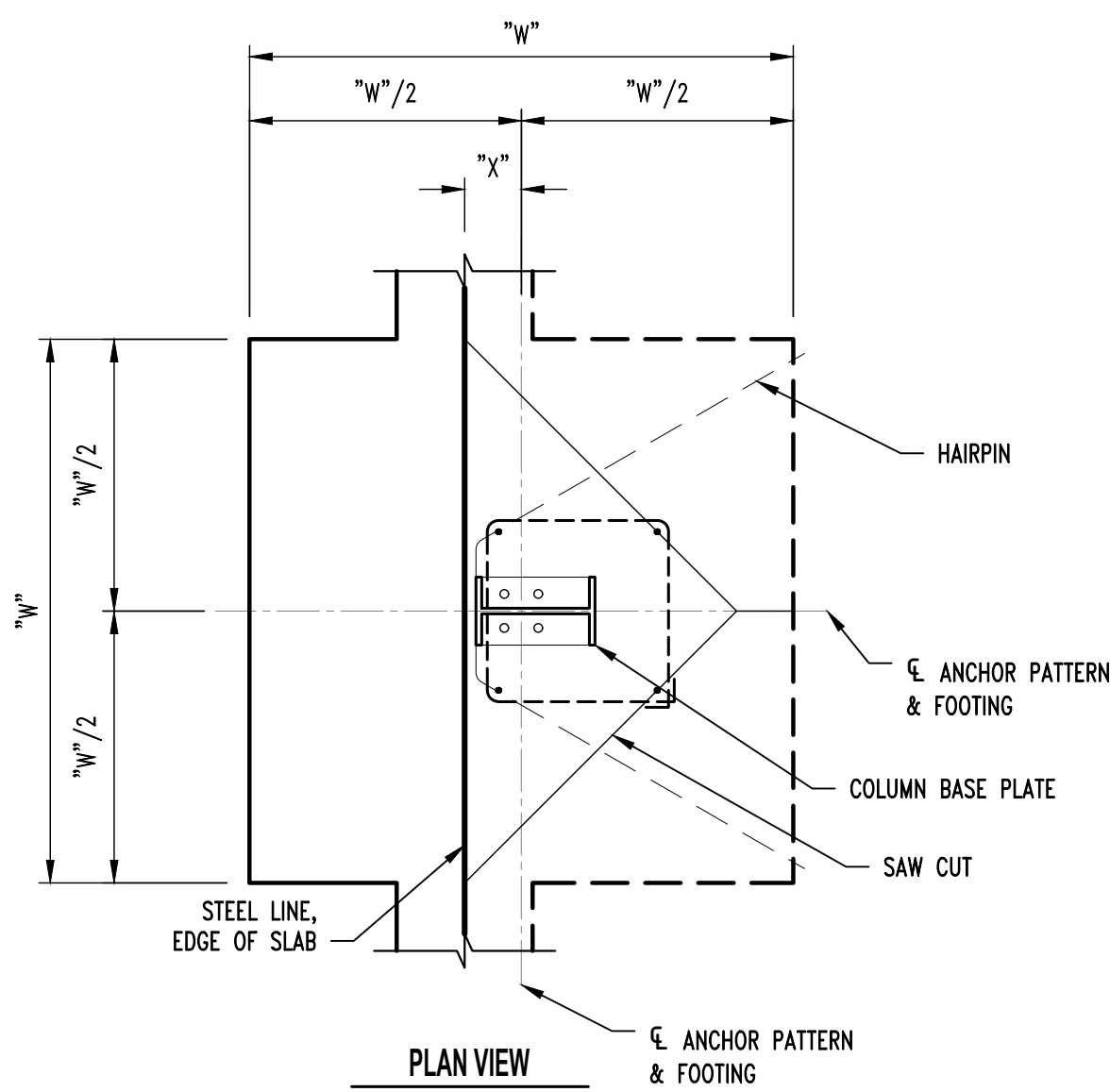
CONTINUOUS FOOTING @ WALK DOOR SECTION

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

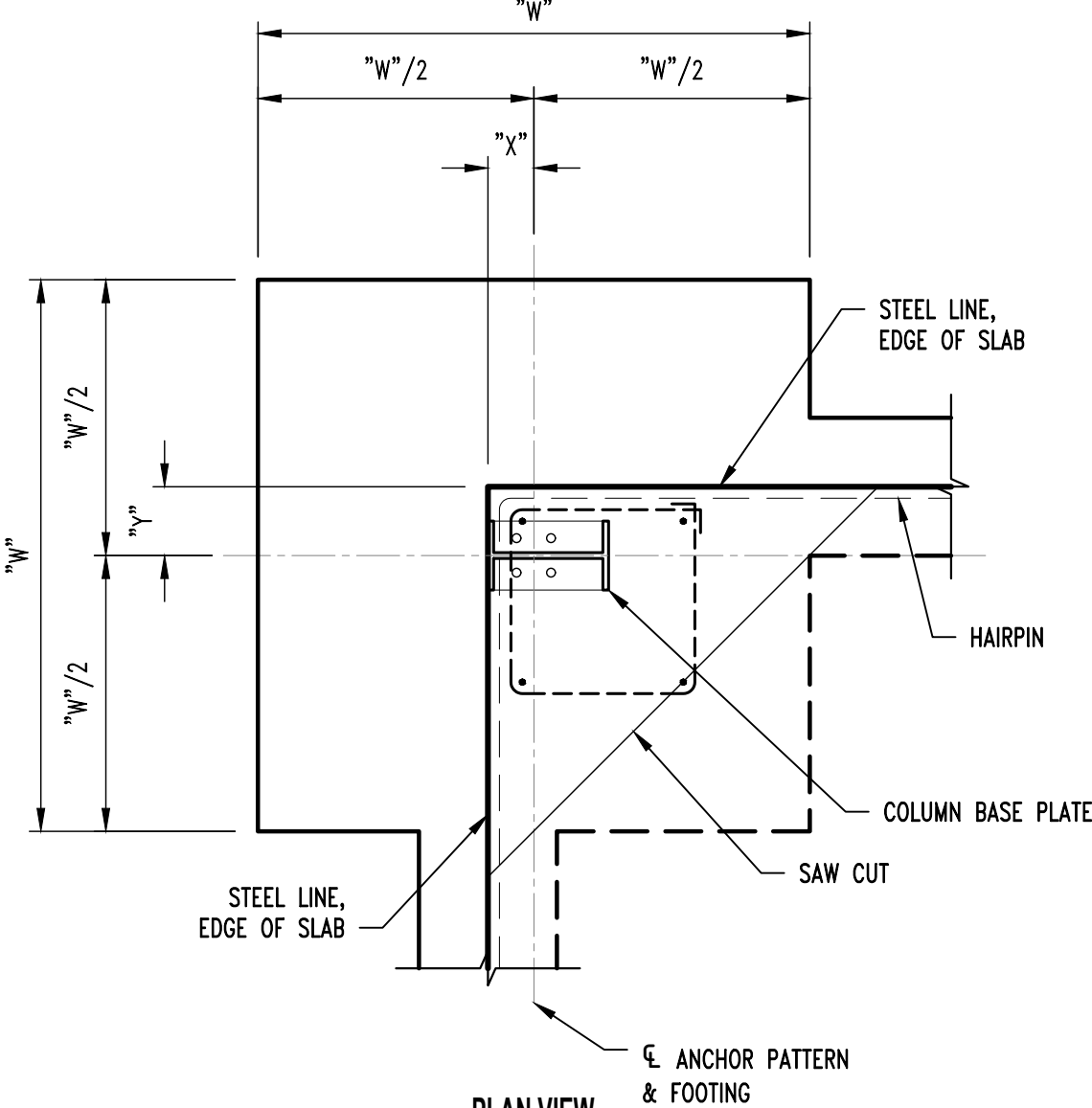


SLOPED THRESHOLD SECTION

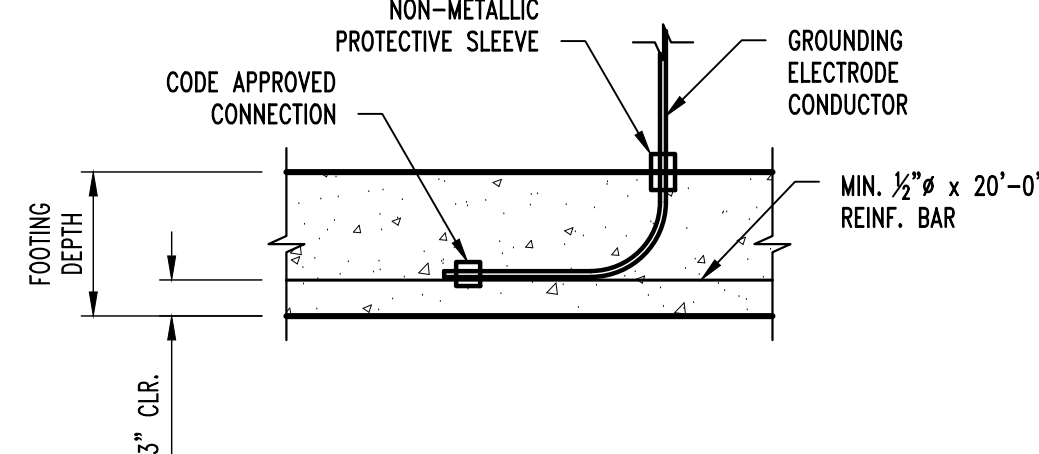
SCALE: 3/4" = 1'-0"



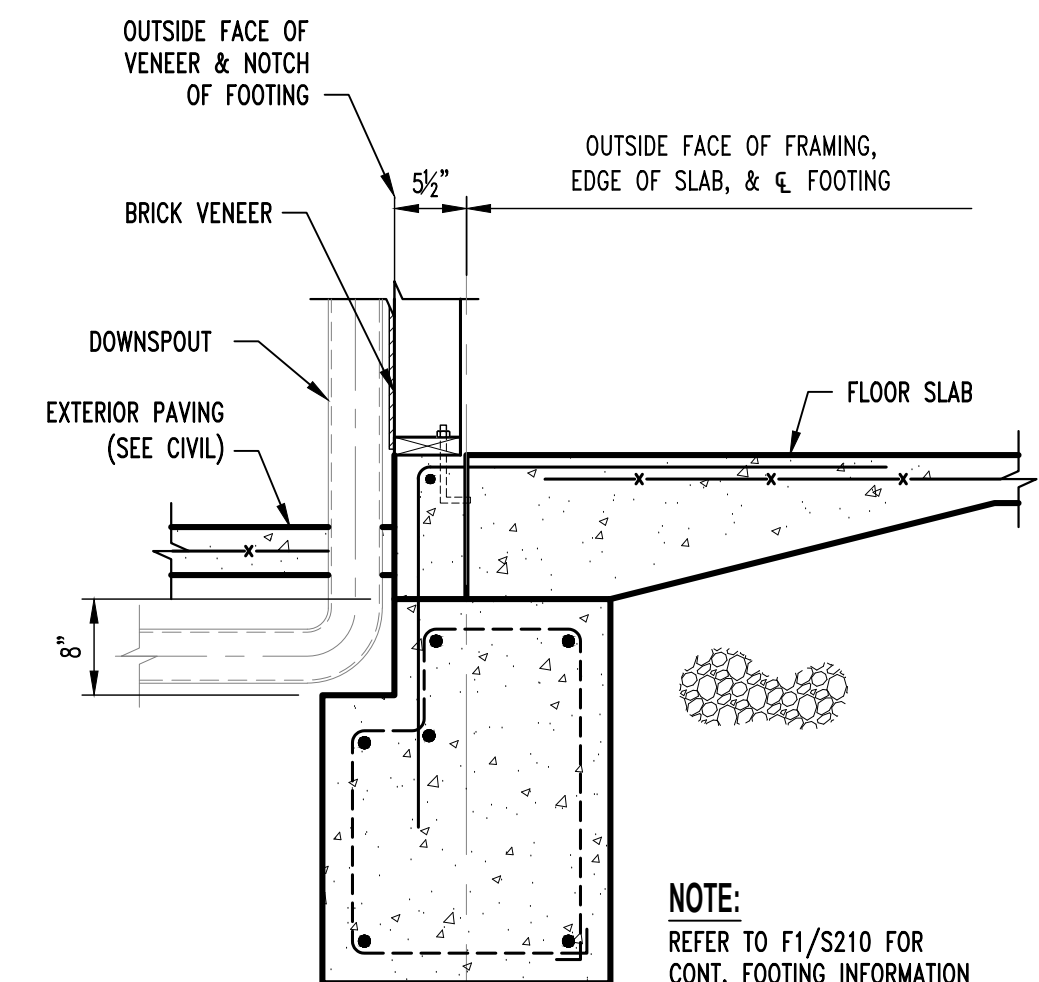
PLAN VIEW



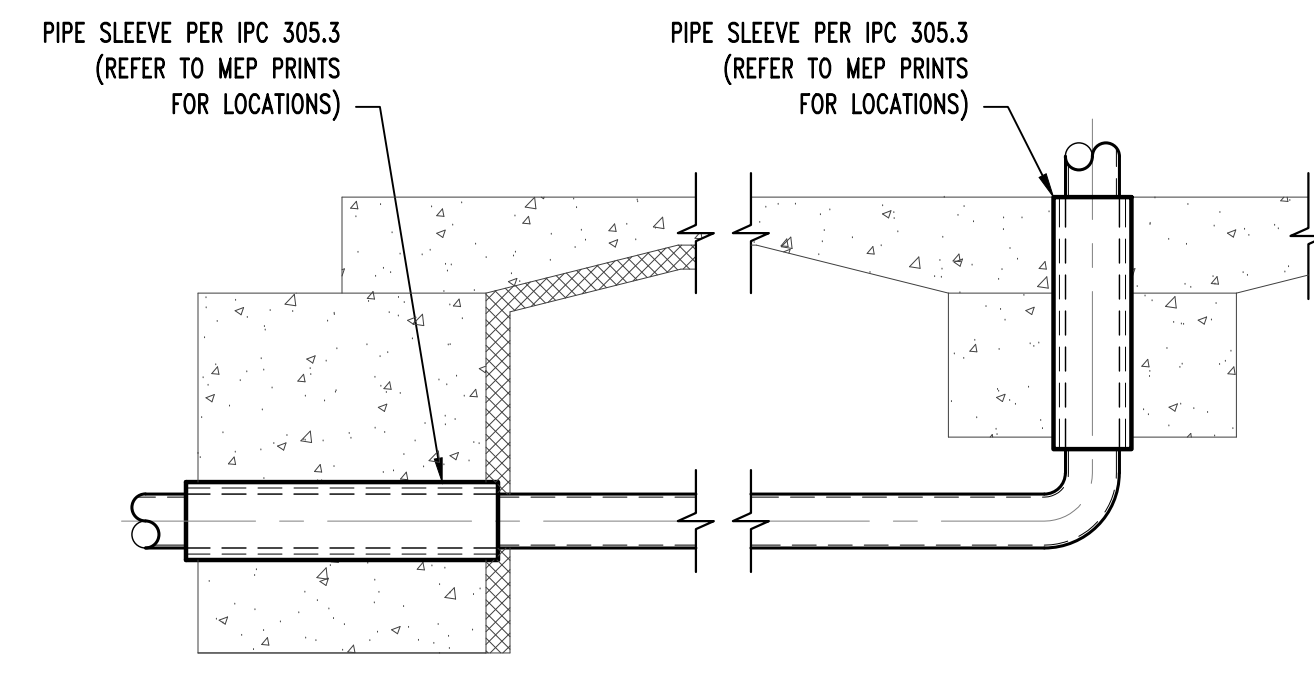
PLAN VIEW



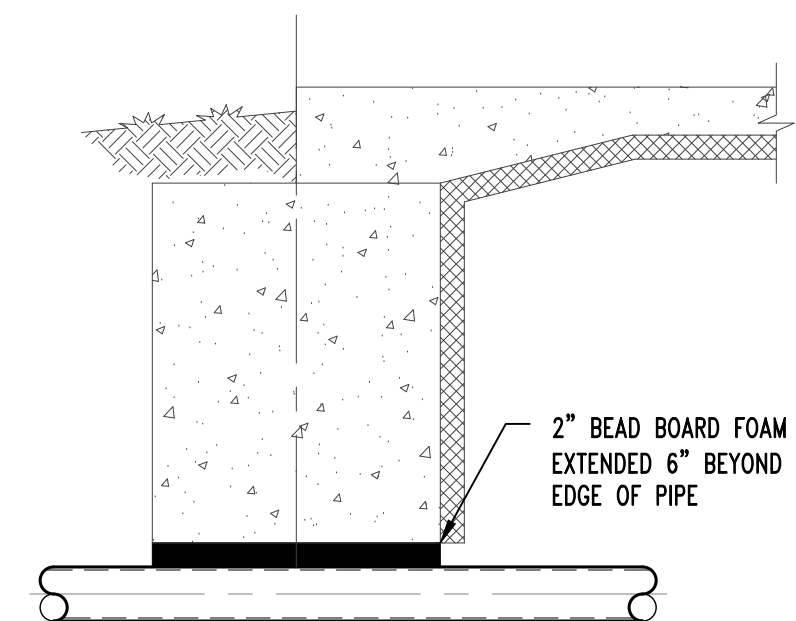
TYP. ELECTRICAL GROUNDING DETAIL @ FOOTING



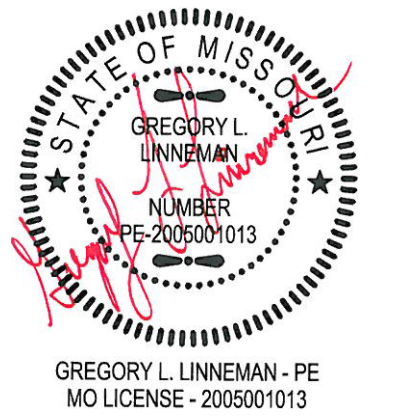
CONT. FOOTING G DETAIL @ DOWNSPOUT



TYP. PLUMBING COORDINATION DETAILS



STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



GREGORY L. LINNEHAN - PE
MO LICENSE - 2005001013
7/13/22



OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION
DEPARTMENT OF
PUBLIC SAFETY
Missouri Army National Guard

Macon Training Site
29614 Jaguar Street
Macon, MO 63552

COMPANY HEADQUARTERS
& ADMINISTRATION
SUPPLY BUILDING

PROJECT # T2214-01
SITE # 6319
ASSET # 8136319018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/13/2022

CAD DWG FILE:
DRAWN BY: JCS
CHECKED BY: GLL
DESIGNED BY: GLL

SHEET TITLE:
FOUNDATION
DETAILS

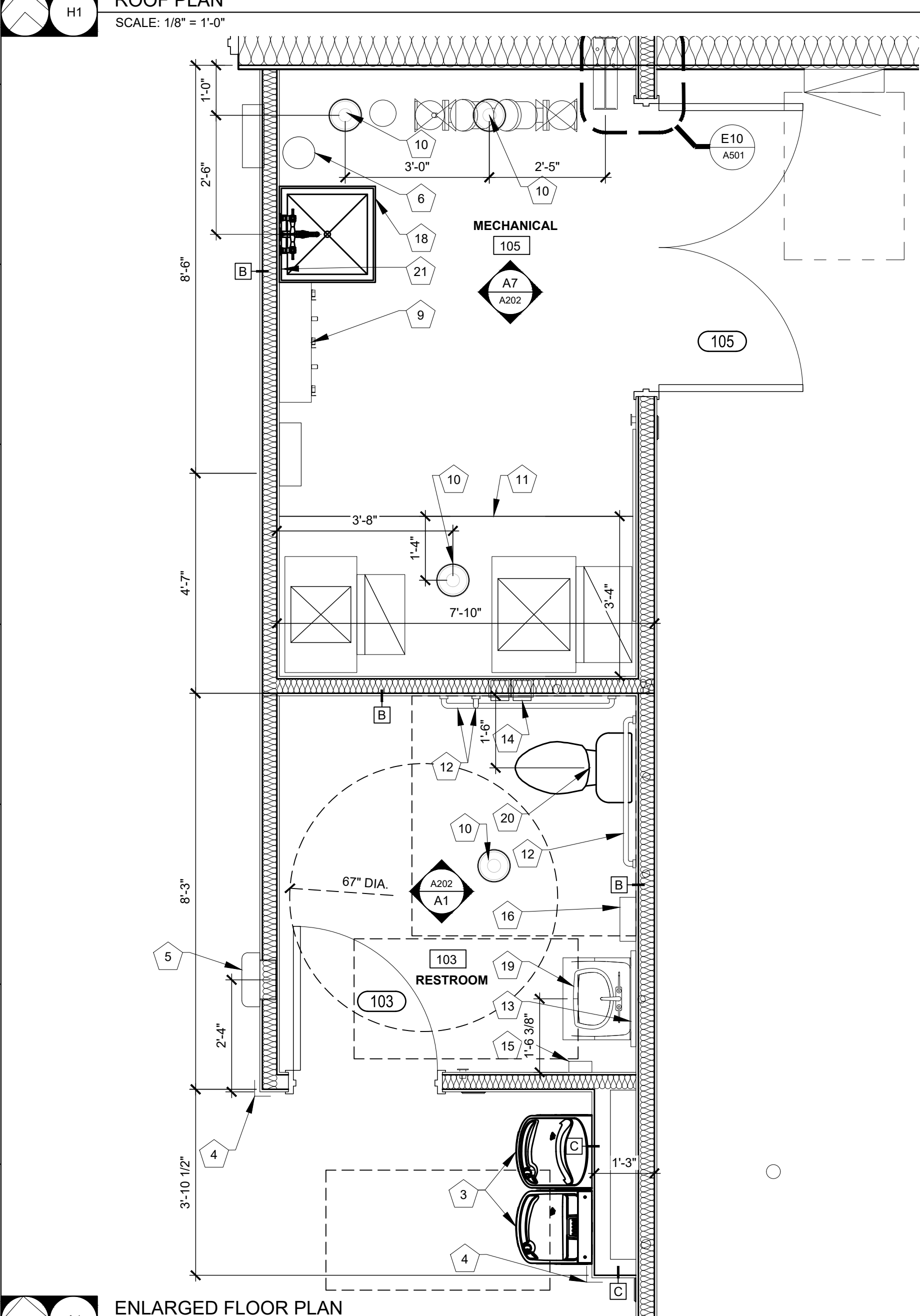
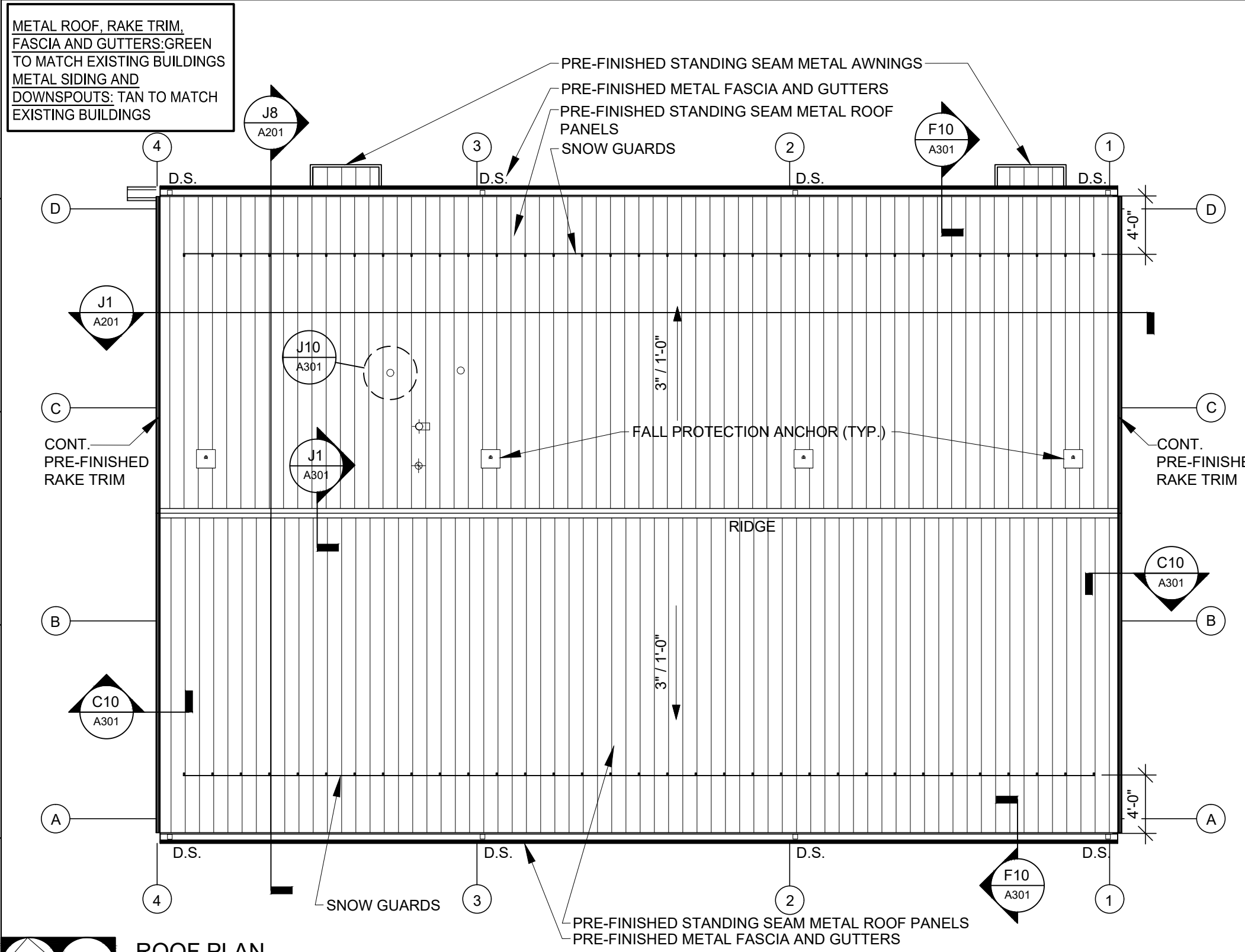
SHEET NUMBER:

S-210

10 OF 28 SHEETS
07/13/2022

SYMBOLS LEGEND	
DRAWING BULLET WITH NORTH ARROW	
	GRID REFERENCE
	DRAWING TITLE
	SCALE: X/X" = 1"-0"
	ARCH. SCALE
DRAWING BULLET WITHOUT NORTH ARROW	
	GRID REFERENCE
	DRAWING TITLE
	SCALE: X/X" = 1"-0"
	ARCH. SCALE
	PAGE FIRST REFERENCED (IF APPLICABLE)
ELEVATION BULLETS	PLAN / ELEVATION DETAIL BULLET
	GRID REFERENCE
	SHEET NUMBER
ONE ELEVATION	
SCOPE OF WORK BULLET	GRID REFERENCE
	SHEET NUMBER
DOOR MARK BULLET	SECTION BULLET
	GRID REFERENCE ALWAYS ON TOP
WINDOW MARK BULLET	SHEET NUMBER
REVISION NOTE BULLET	NORTH ARROW
GENERAL NOTE BULLET	COLUMN LINE BULLETS
BENCHMARK BULLET	SPOT ELEV. BULLETS
	TC - TOP OF CURB TG - TOP OF GRADE TW - TOP OF WALL TP - TOP OF PAVING
WALL PARTITION (TYPE) FLAG	
	NEW EXISTING

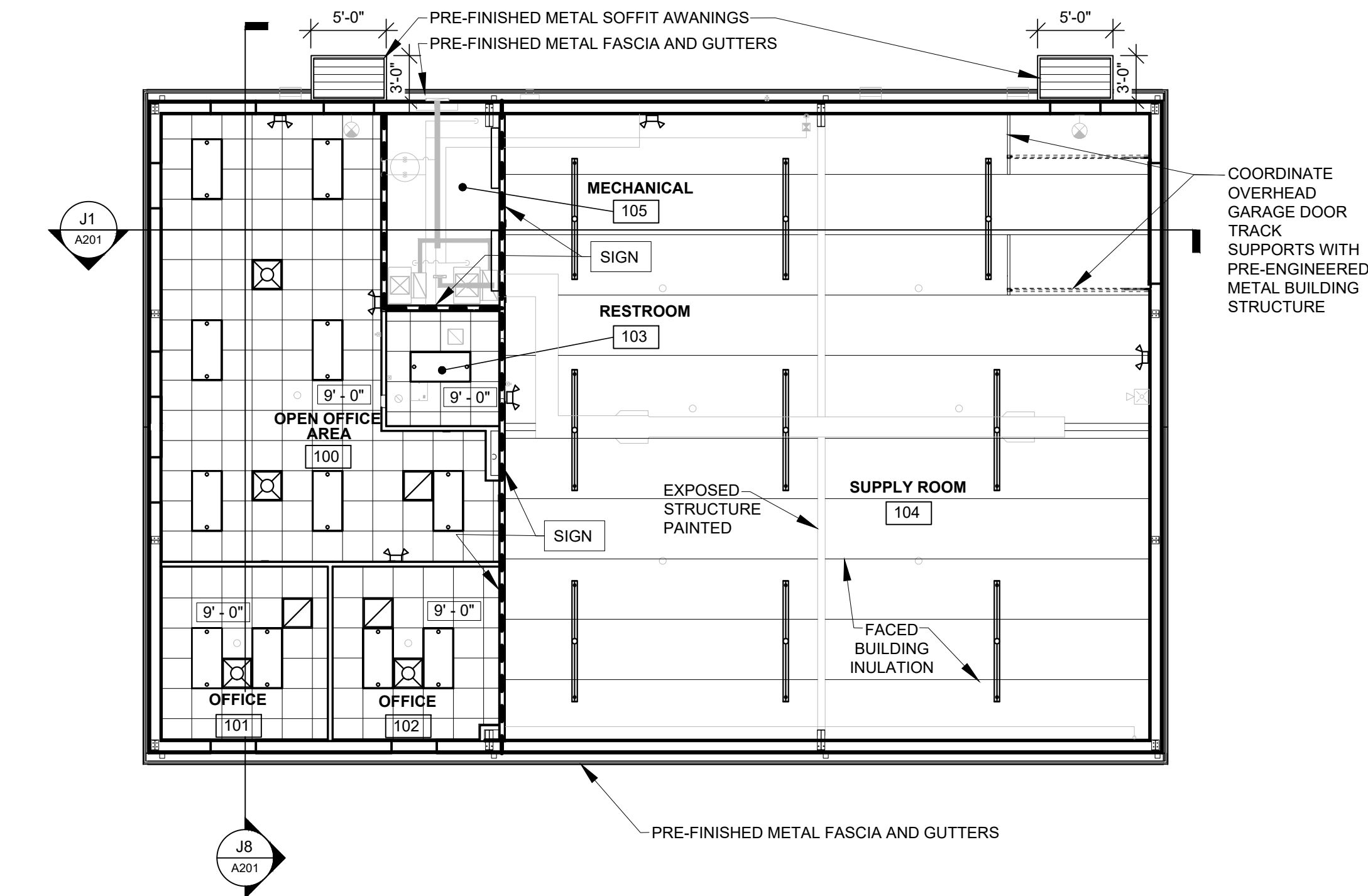
	LARGE SCALE	SMALL SCALE	
BRICK MASONRY UNIT			PLAN, SECTION ELEVATION
CONCRETE MASONRY UNIT			PLAN, SECTION ELEVATION
CONCRETE			PLAN, SECTION
GYPSUM BOARD			PLAN, SECTION ELEVATION
GROUTED AREA OF: CNCAVITY/DOOR FRAME			PLAN, SECTION
MISCELLANEOUS ITEMS: AS NOTED ON EACH SHEET			PLAN, SECTION, ELEVATION
INSULATION			PLAN, SECTION
ROOF SHINGLES			PLAN, ELEVATION
CONTINUOUS WOOD FRAMING			PLAN, SECTION
WOOD BLOCKING			PLAN, SECTION
PLYWOOD			PLAN, SECTION
EXISTING BUILDING			PLAN, SECTION



- ROOF PLAN NOTES
- ANY ROOFING DETAILS NOT SHOWN SHALL BE DONE IN ACCORDANCE W/ ROOFING FABRICATOR OR INSTALLER APPROVED DETAILS.
 - COORDINATE ALL ROOF PENETRATIONS WITH MECHANICAL, PLUMBING & ELECTRICAL WORK. PROVIDE ALL BLOCKINGS, FLASHINGS, CURBS & OTHER RELATED ITEMS AS REQUIRED FOR PROPER INSTALLATION OF MECHANICAL, PLUMBING & ELECTRICAL ITEMS. COMPLY WITH REQUIREMENTS OF NRCA & OR SMACNA. NOTIFY ARCHITECT OF FABRICATOR OR INSTALLER REQUIREMENTS THAT DIFFER FROM THE REFERENCED STANDARDS.
 - INSTALL ALL ROOFING AND FLASHINGS IN ACCORDANCE WITH REQUIREMENTS OF ROOFING MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - INSTALL SEALANT TAPE BETWEEN ALL NON-SOLDERED CONNECTIONS OF FLASHINGS, GUTTERS, DOWNSPOUTS AND OTHER AREAS TO MAKE WATER-TIGHT ROOF & FLASHINGS.
 - THE INTENT OF THE ROOF PLANS & DETAILS IS TO ACHIEVE A COMPLETE & PROPER WATER-TIGHT INSTALLATION, REGARDLESS IF A DETAIL IS OR IS NOT SHOWN.

- ROOF PLAN LEGEND
- VENT PIPE - V.T.R.
 - 3"x4" PRE-FINISHED METAL DOWN SPOUT
 - 3"x4" PRE-FINISHED METAL DOWN SPOUT TO TO PVC ADAPTER
 - CONCRETE SPLASH BLOCK
 - FLU VENT - SEE MEP
 - SNOW GUARD
 - FALL PROTECTION

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

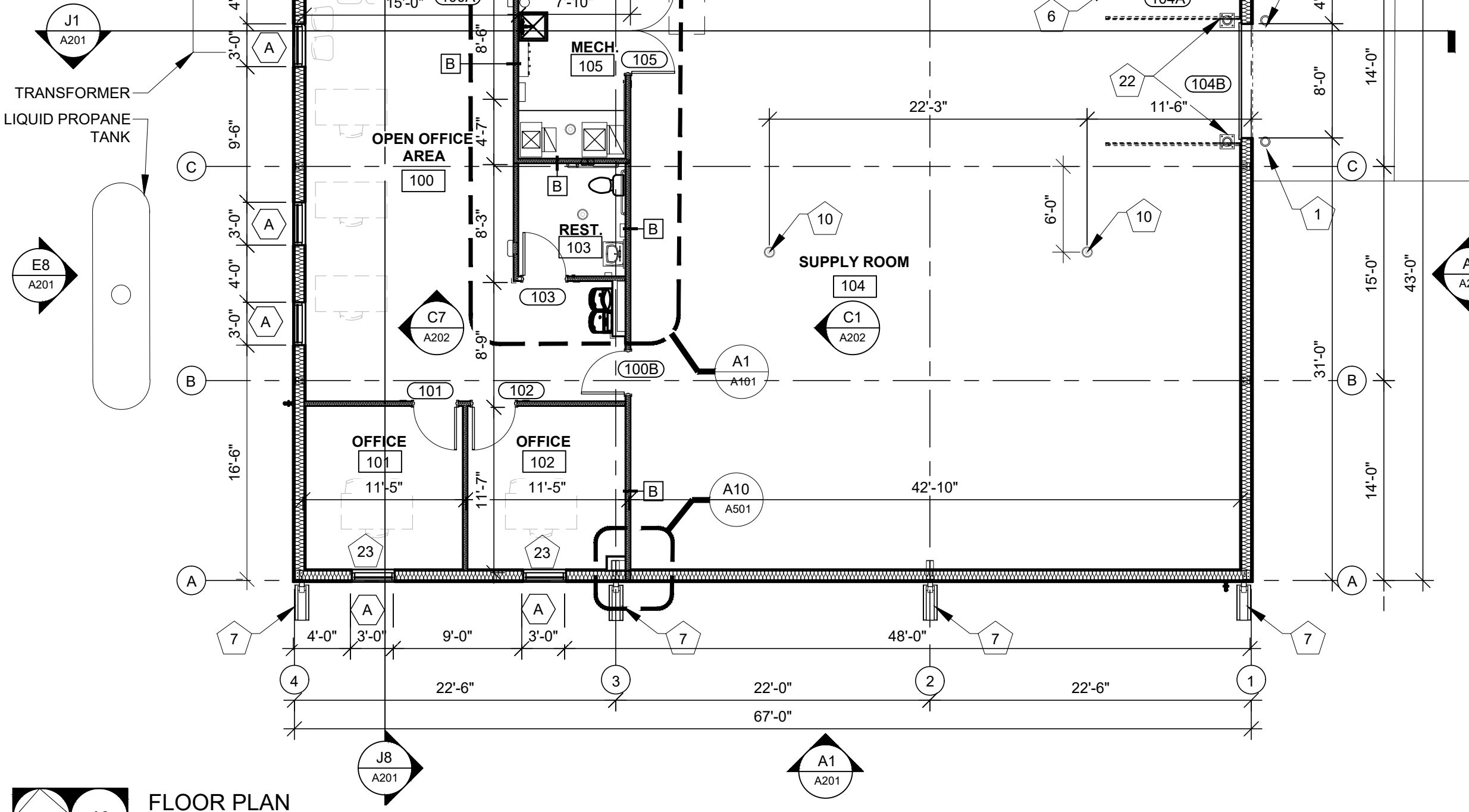


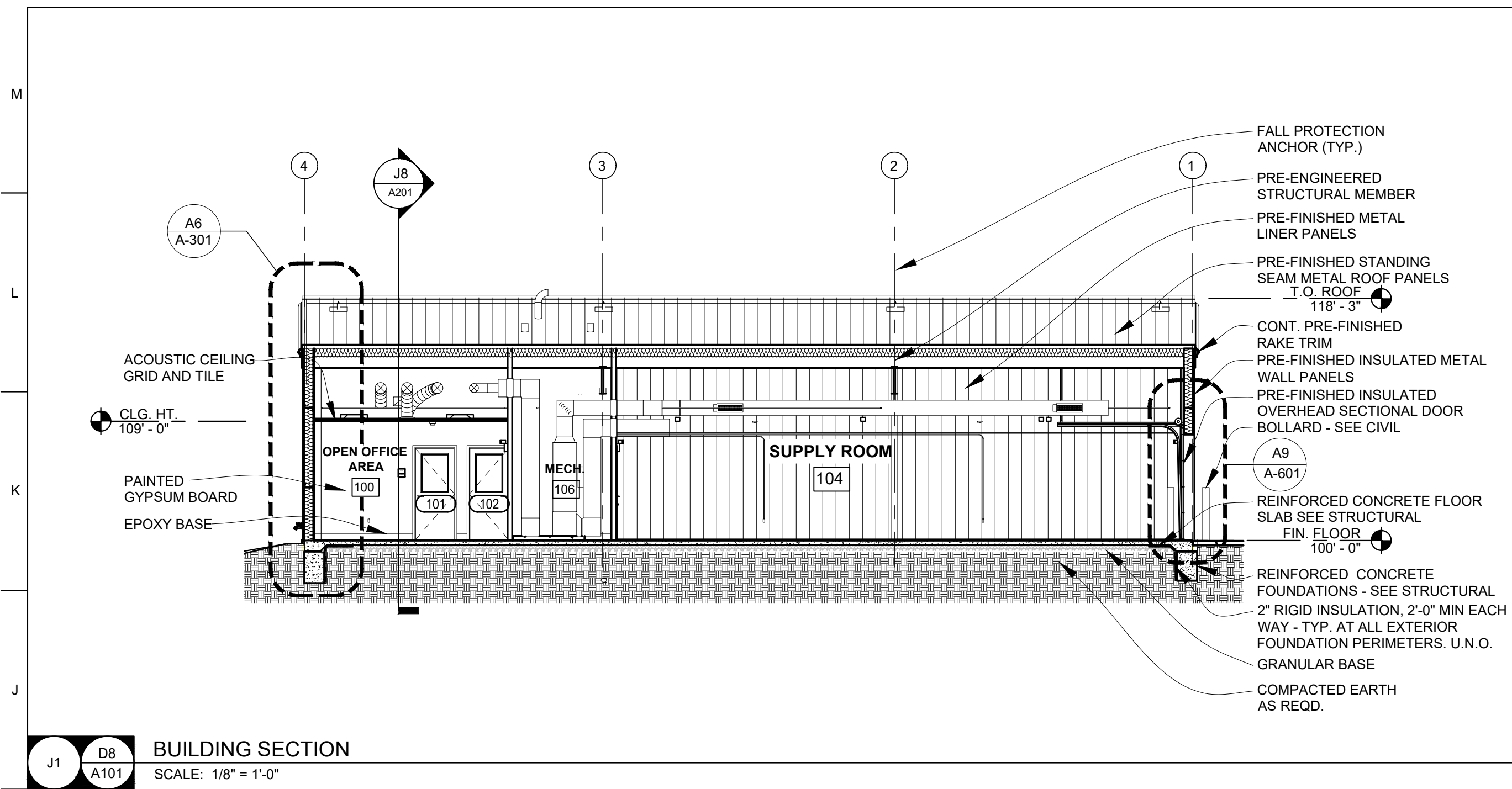
- GENERAL REF. CEILING PLAN NOTES
- FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO EXECUTING ANY WORK. NOTIFY ARCHITECT OF ANY DIMENSIONS OR WORK DIFFERING FROM THAT SHOWN, FOR CLARIFICATION BY THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
 - VERIFY ALL ROUGH OPENINGS FOR DOORS, WINDOWS, EQUIPMENT, & OTHER "BUILT-IN" ITEMS PRIOR TO EXECUTION OF ANY WORK AFFECTED BY SAME.
 - COORDINATE ALL REQUIRED UTILITIES WITH EQUIPMENT MANUFACTURER.
 - DO NOT SCALE DRAWINGS - WHERE DIMENSIONAL DISCREPANCIES ARE ENCOUNTERED NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
 - COORDINATE ALL LIGHT FIXTURES, EQUIPMENT, GRILL AND VENTS WITH MEP DRAWINGS.

- CEILING MATERIAL LEGEND
- PRE-FINISHED METAL SOFFIT
 - EXPOSED STRUCTURE PAINTED
 - 2x2 ACT CEILING TILE, SQUARE LAY-IN WHITE, 15/16" WHITE SUSPENSION SYSTEM
 - LIGHT FIXTURES SEE MEP
 - MECHANICAL UNITS FLUSH MOUNTED SEE MEP
 - ABOVE CEILING SIGNAGE OR STENCILING "FIRE BARRIER" - PROTECT ALL OPENINGS; 3" TALL, 3/8" STROKE RED LETTERING LOCATED WITHIN 15' OF EACH END OF A WALL AND AT INTERVALS OF 30' BOTH SIDES

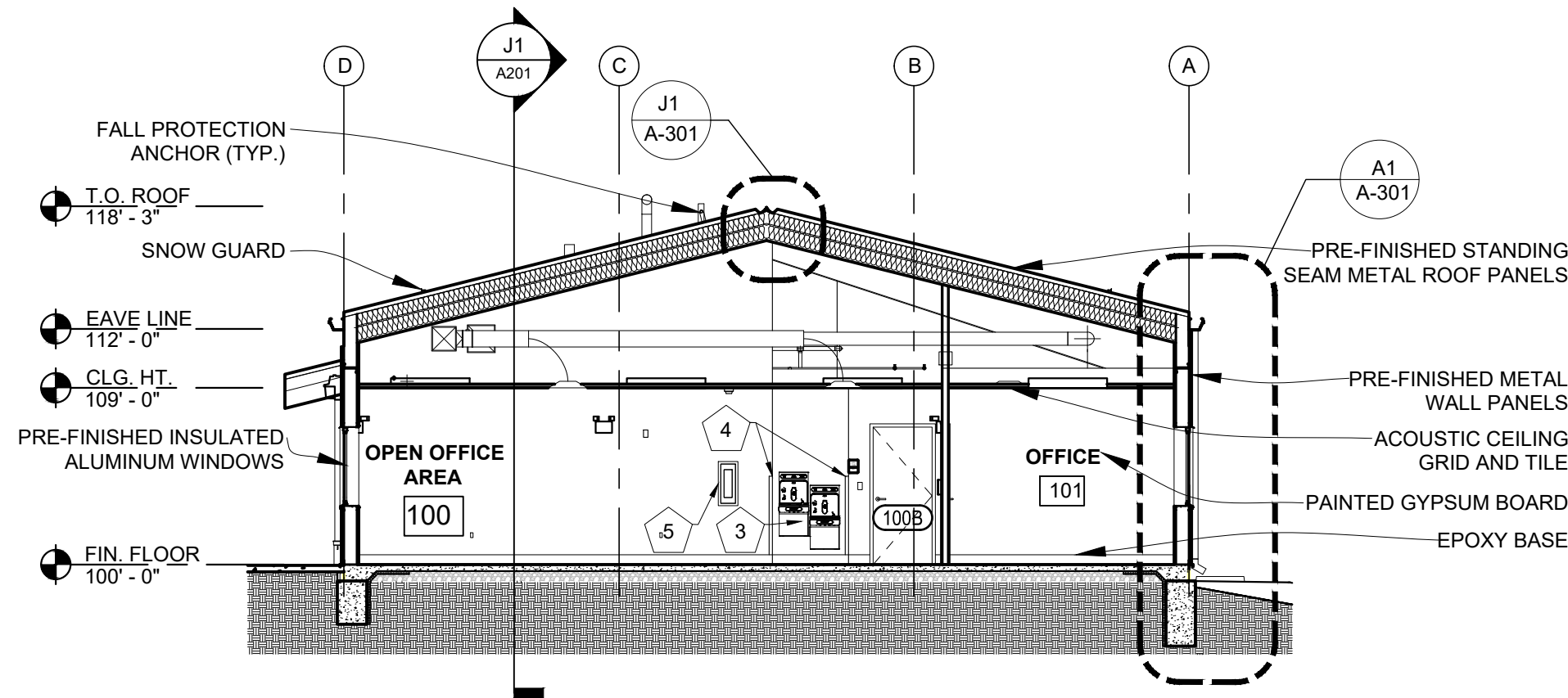
KEY NOTES

- 8" DIA. CONCRETE FILLED, PAINTED STEEL BOLLARD. SEE CIVIL
- AIR CONDITIONER CONDENSER. SEE MEP
- DRINKING FOUNTAIN - SEE MEP
- CORNER GUARD, 16 GA. STAINLESS STEEL 1-1/2" LEGS x 48"
- RECESSED FIRE EXTINGUISHER & CABINET (F.E.C.)
- WALL MOUNTED FIRE EXTINGUISHER
- PRE-FABRICATED CONCRETE SPLASH BLOCK
- 3"x4" PRE-FINISHED METAL DOWNSPOUT TO PVC ADAPTER BOOT TO PVC STORM SEWER PIPING UNDERGROUND TO DAYLIGHT SEE CIVIL
- MOP RACK, 36" LONG UTILITY SHELF, 4 MOP HOLDERS, 3 HOOKS
- FLOOR DRAIN - SEE G13 / A202 - SEE MEP
- CONCRETE HOUSEKEEPING PAD - SEE STRUCTURAL
- GRAB BARS, 18" VERT., 36" & 42" HORIZ. STAINLESS STEEL
- MIRROR 24"x36", 1/4" FLOAT GLASS, STAINLESS STEEL CHANNEL FRAME
- RECESSED STAINLESS STEEL TOILET PAPER DISPENSER
- LIQUID SOAP DISPENSER, SURFACE MOUNTED STAINLESS STEEL
- PAPER TOWEL DISPENSER, SURFACE MOUNTED STAINLESS STEEL
- ADA PIPE INSULATION KIT
- MOP SINK - SEE MEP
- LAVATORY - SEE MEP
- TOILET - SEE MEP
- STAINLESS STEEL CORNER BACK SPLASH - 36"x42"
- 8" x42" SCHEDULE 40 PAINTED STEEL BOLT DOWN BOLLARDS. SEE G8 / A202
- ROLLER WINDOW SHADE





J8 A9 A101 BUILDING SECTION
SCALE: 1/8" = 1'-0"



GENERAL ELEVATION NOTES

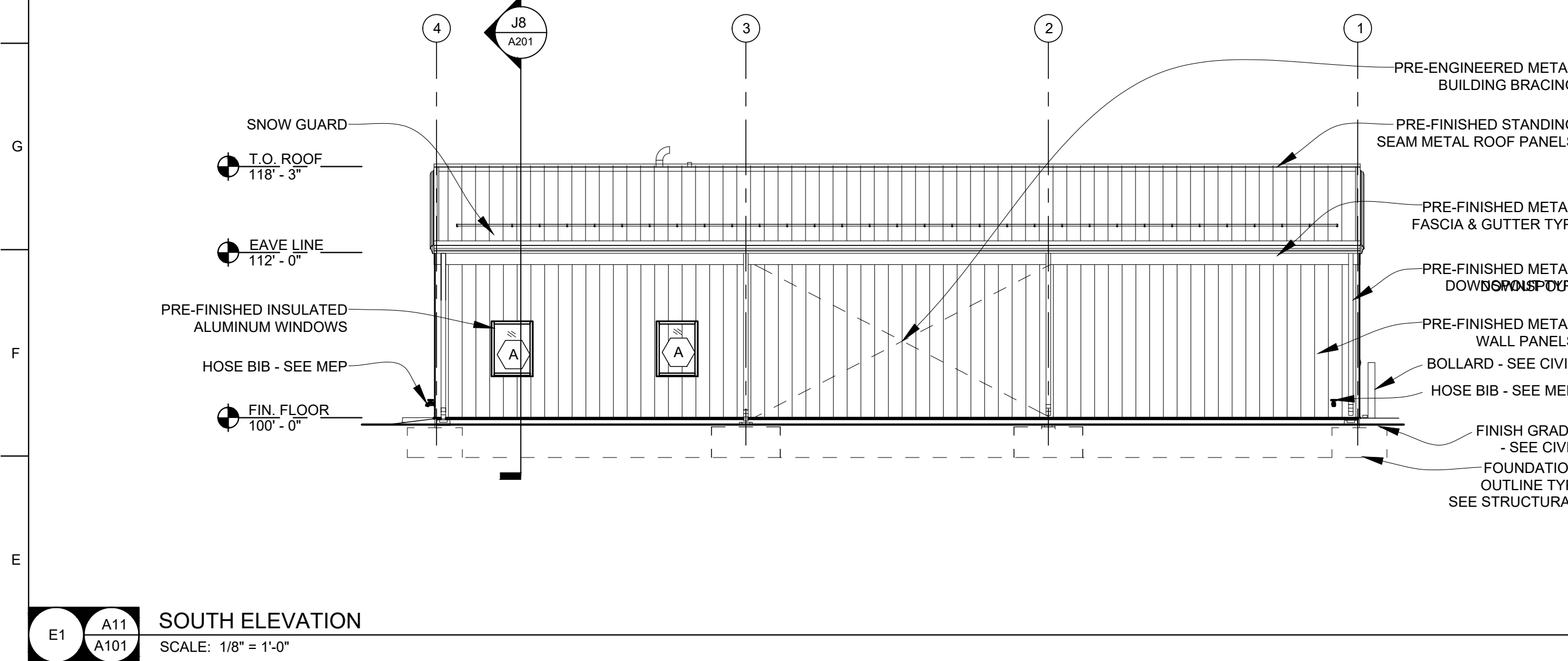
- SEE WALL SECTIONS FOR ADDITIONAL DETAILS, MATERIALS, NOTES, AND DIMENSIONS.
- SEE SITE PLAN FOR EXACT FINISH GRADE ELEVATIONS.
- SEE SITE PLAN FOR SIDEWALKS & SLABS, DETAILS, LOCATIONS AND DIMENSIONS.

GENERAL BUILDING SECTION NOTES

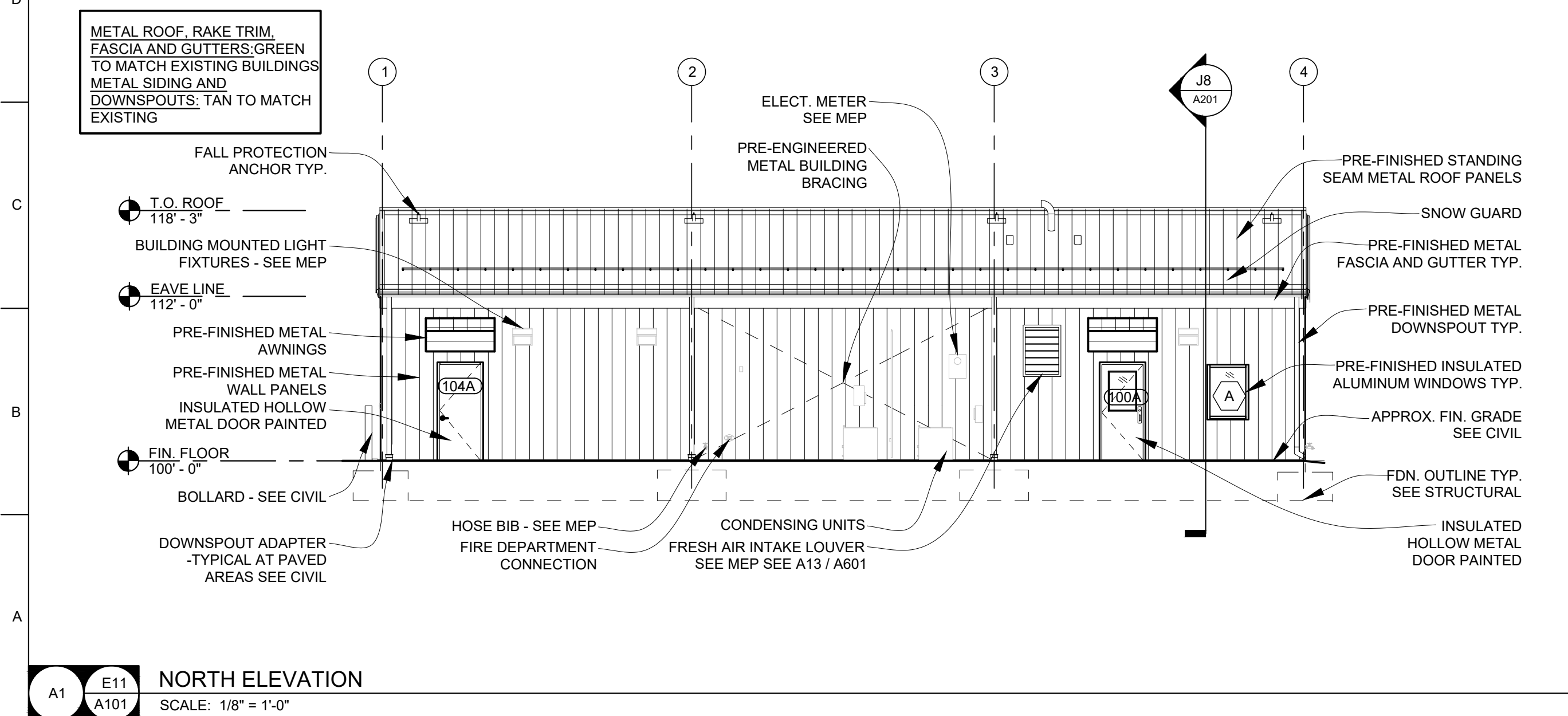
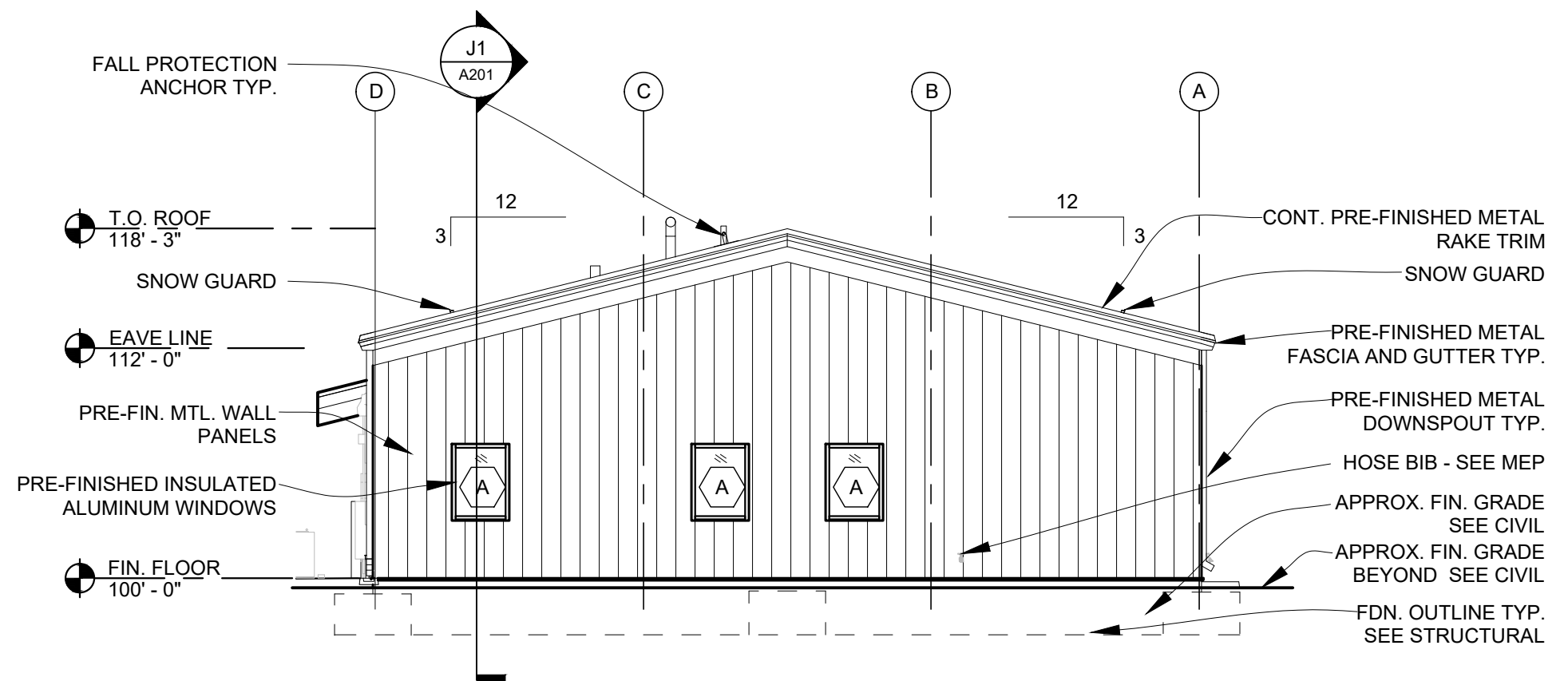
- SEE FINISH SCHEDULE FOR ALL FINISHES AND CEILING HEIGHTS.
- FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO EXECUTING ANY WORK. NOTIFY ARCHITECT OF ANY DIMENSIONS OR WORK DIFFERING FROM THAT SHOWN, FOR CLARIFICATION BY THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- VERIFY ALL ROUGH OPENINGS FOR DOORS, WINDOWS, EQUIPMENT & OTHER "BUILT-IN" ITEMS PRIOR TO EXECUTION OF ANY WORK AFFECTED BY SAME.
- SEE DOOR AND WINDOW SCHEDULES FOR ALL DOOR AND WINDOW DIMENSIONS AND DETAILS.
- REFER TO M.E.P. DRAWINGS FOR DETAILED INFORMATION REGARDING M.E.P. SYSTEMS.

KEY NOTES

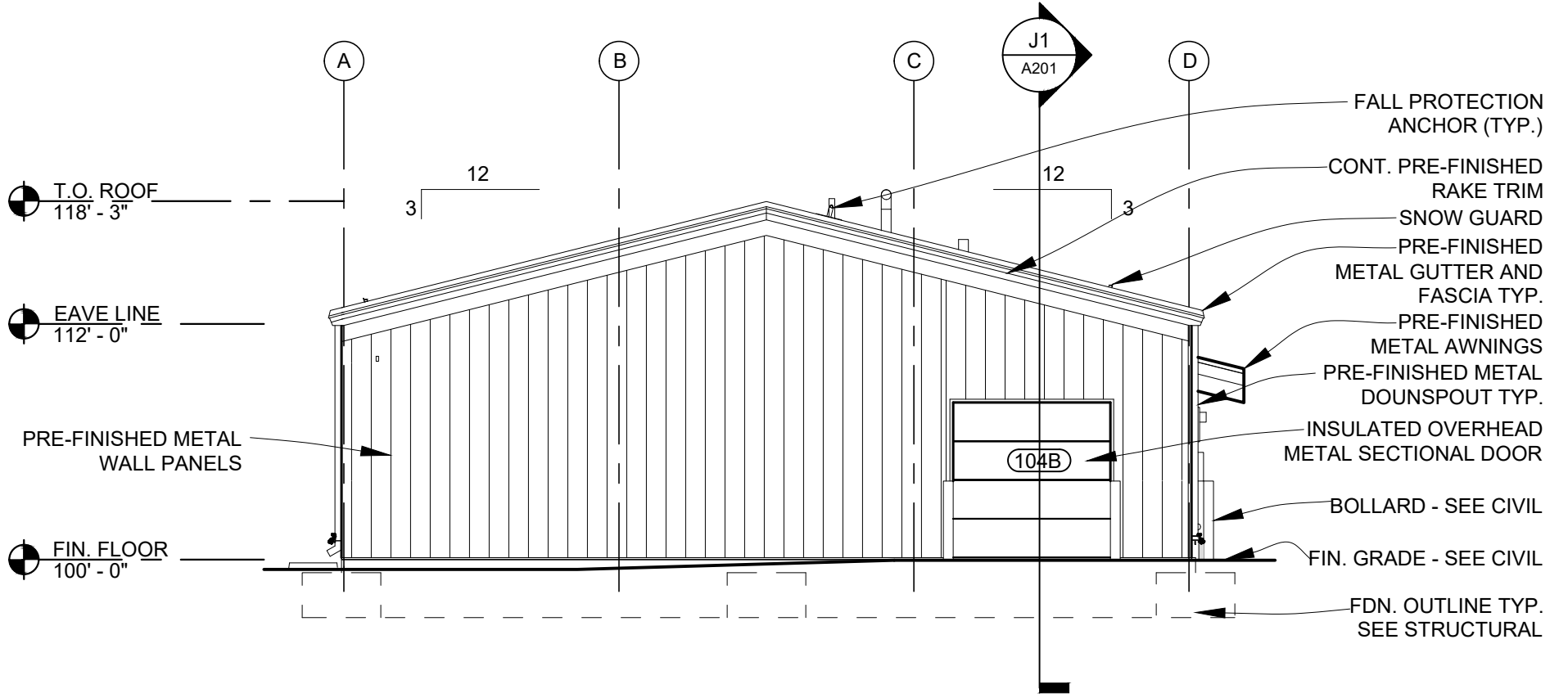
- 8" DIA. CONCRETE FILLED, PAINTED STEEL BOLLARD. SEE CIVIL
- AIR CONDITIONER CONDENSER, SEE MEP
- DRINKING FOUNTAIN - SEE MEP
- CORNER GUARD, 16 GA. STAINLESS STEEL 1-1/2" LEGS x 48"
- RECESSED FIRE EXTINGUISHER & CABINET (F.E.C.)
- WALL MOUNTED FIRE EXTINGUISHER
- PRE-FABRICATED CONCRETE SPLASH BLOCK
- 3"x4" PRE-FINISHED METAL DOWNSPOUT TO PVC ADAPTER BOOT TO PVC STORM SEWER PIPING UNDERGROUND TO DAYLIGHT SEE CIVIL
- MOP RACK, 36" LONG UTILITY SHELF, 4 MOP HOLDERS, 3 HOOKS
- FLOOR DRAIN - SEE G13 / A202 - SEE MEP
- CONCRETE HOUSEKEEPING PAD - SEE STRUCTURAL
- GRAB BARS, 18" VERT., 36" & 42" HORIZ. STAINLESS STEEL
- MIRROR 24"x36", 1/4" FLOAT GLASS, STAINLESS STEEL CHANNEL FRAME
- RECESSED STAINLESS STEEL TOILET PAPER DISPENSER
- LIQUID SOAP DISPENSER, SURFACE MOUNTED STAINLESS STEEL
- PAPER TOWEL DISPENSER, SURFACE MOUNTED STAINLESS STEEL
- ADA PIPE INSULATION KIT
- MOP SINK - SEE MEP
- LAVATORY - SEE MEP
- TOILET - SEE MEP
- STAINLESS STEEL CORNER BACK SPLASH - 36"x42"
- 8" x42" SCHEDULE 40 PAINTED STEEL BOLT DOWN BOLLARDS. SEE G8 / A202
- ROLLER WINDOW SHADE



E8 C8 A101 WEST ELEVATION
SCALE: 1/8" = 1'-0"



A8 C14 A101 EAST ELEVATION
SCALE: 1/8" = 1'-0"



STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

07/13/2022

PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.440.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION
DEPARTMENT OF
PUBLIC SAFETY
Missouri Army National Guard

Macon Training Site
29614 Jaguar Street
Macon, MO 63552

COMPANY HEADQUARTERS
& ADMINISTRATION
SUPPLY BUILDING

PROJECT # T2214-01
SITE # 6319
ASSET # 8136319018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/13/2022

CAD DWG FILE:
DRAWN BY: LC
CHECKED BY: EM
DESIGNED BY: EM

SHEET TITLE:
BUILDING
SECTIONS,
ELEVATIONS AND
DETAILS

SHEET NUMBER:

A-201

13 OF 28 SHEETS
07/13/2022

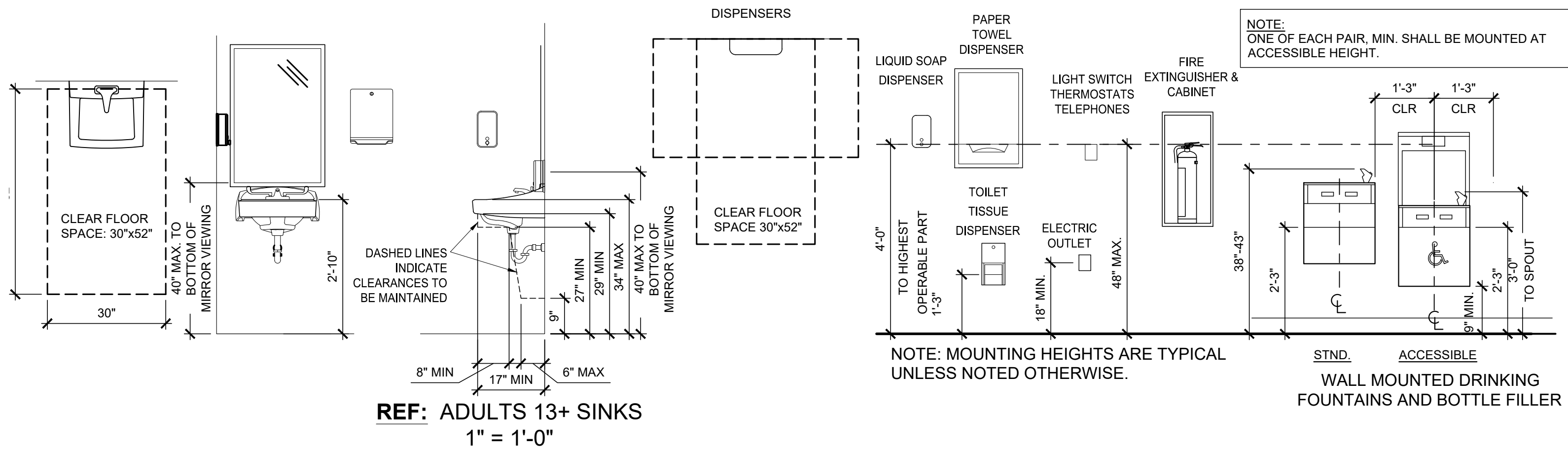
ROOM FINISH SCHEDULE										
ROOM NAME	ROOM NUMBER	FLOOR MAT'L	BASE MAT'L	CEILING MAT'L	CEILING HEIGHT	WALL				REMARKS
						NORTH	EAST	SOUTH	WEST	
OPEN AREA OFFICE	100	EFB-1	EFB-1	ACT-1	9'-0"	MLP	P-1	P-1	MLP	1.
OFFICE	101	EFB-1	EFB-1	ACT-1	9'-0"	P-1	P-1	MLP	MLP	1.
OFFICE	102	EFB-1	EFB-1	ACT-1	9'-0"	P-1	P-1	MLP	P-1	1.
RESTROOM	103	EFB-1	EFB-1	ACT-1	9'-0"	P-3	P-3	P-3	P-3	1.
SUPPLY ROOM	104	EFB-1	EFB-1	P-5	9'-0"	MLP	MLP	MLP	B-1	1.
MECHANICAL	105	EFB-1	EFB-1	P-1	9'-0"	P-1	P-1	P-1	P-1	1.

EFB-1: EPOXY FLOOR PAINT: DESCO / QUARTZ CREMONA TG / WHITEWATER
ECB-1: EPOXY COVE BASE: DESCO / QUARTZ CREMONA TG / WHITEWATER
P-1: PAINT: SHERWIN WILLIAMS / MINDFUL GRAY SW 7016 SATIN TO MATCH METAL LINER PANEL COLOR
P-2: PAINT: (ACCENT) SHERWIN WILLIAMS / ZEUS SW 7744/ SATIN
P-3: PAINT: (RESTROOM) SHERWIN WILLIAMS / MORNING FOG 6255/ SATIN
P-4: PAINT: (DOORS AND FRAMES) SHERWIN WILLIAMS / PORPOISE SW 7047 / SEMI-GLOSS
P-5: PAINT: (CEILING) SHERWIN WILLIAMS / PURE WHITE SW 7005 / EGGSHELL
MLP: METAL LINER PANEL: VARCO PRUDEN / KXL WALL PANEL / COOL GRANITE GRAY
ACT-1: ACOUSTIC CEILING TILE: ARMSTRONG/ ULTIMA / 1910/ 24"X 24" with 15/16" SQUARE LAY-IN SUSPENSION SYSTEM
WINDOW TREATMENT: MECO SHADE/ THERMOVEIL/ 1500 SERIES/ 3% OPEN/ 1519 SILVER BIRCH

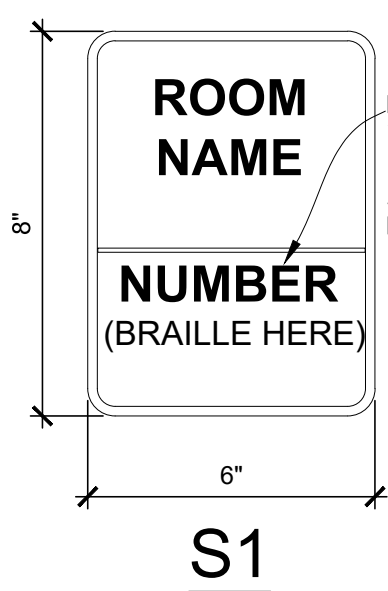
NOTES:
1. EPOXY COVE BASE ON INTERIOR METAL STUD AND GYPSUM BOARD WALLS ONLY, NOT ON EXTERIOR WALLS WITH PRE-FINISHED METAL WALL LINER PANELS.
2. EPOXY FLOORING AND BASE IS AN ALTERNATE, BASE BID: SEALED CONCRETE WITH RUBBER COVE BASE: ROPPE/ RUBBER (TYPE TS)/ 114 LUNAR DUST/ 6" H

Sign Schedule:			
Floor Plan Room No.	Sign text / Numbering Room Name	Sign Type	Note
100	OFFICE	S1	-
101	OFFICE	S1	-
102	OFFICE	S1	-
103	RESTROOM	S2	-
104	SUPPLY ROOM	S1	-
105	MECHANICAL	S1, S3	-

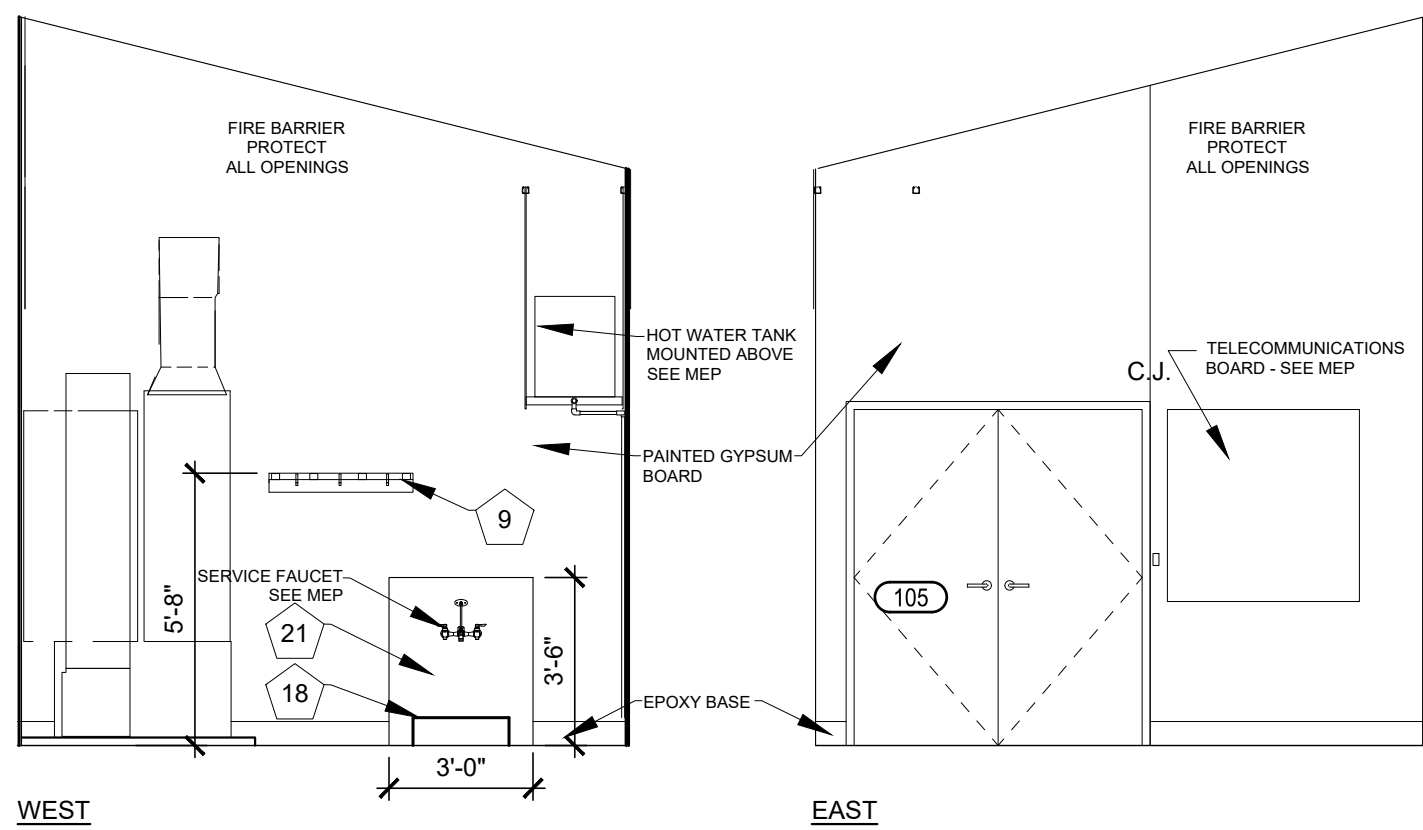
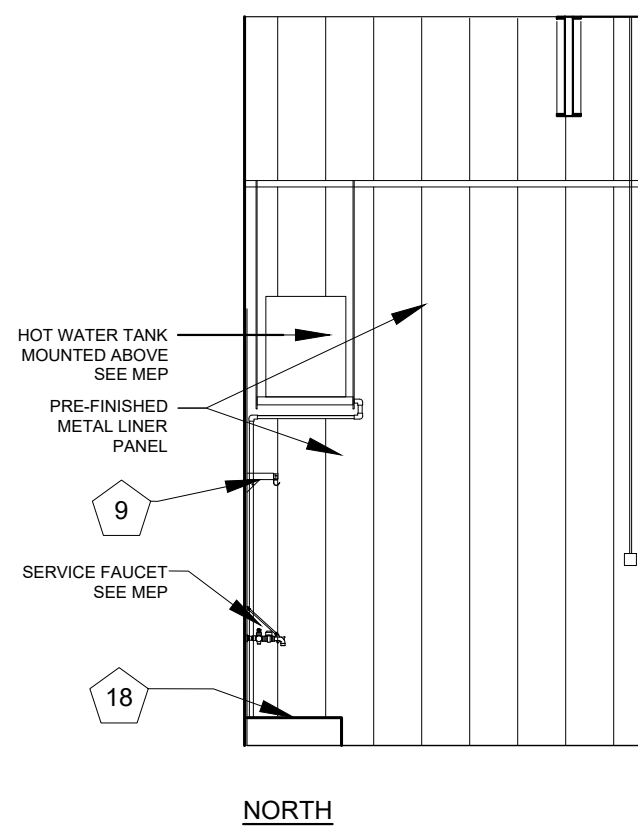
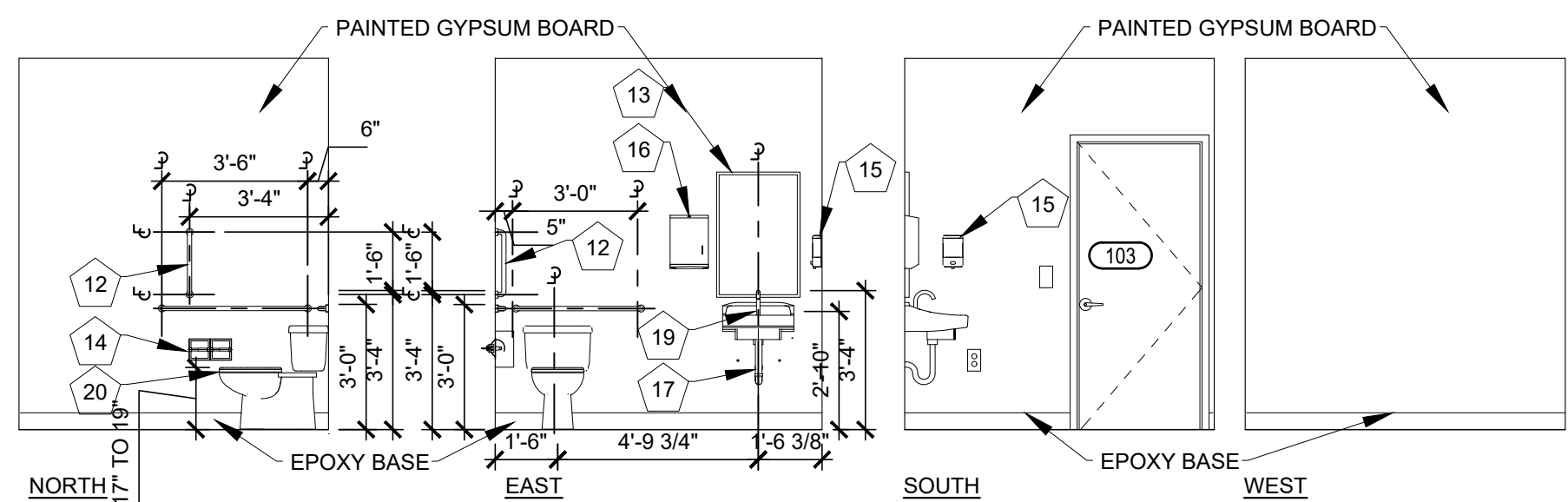
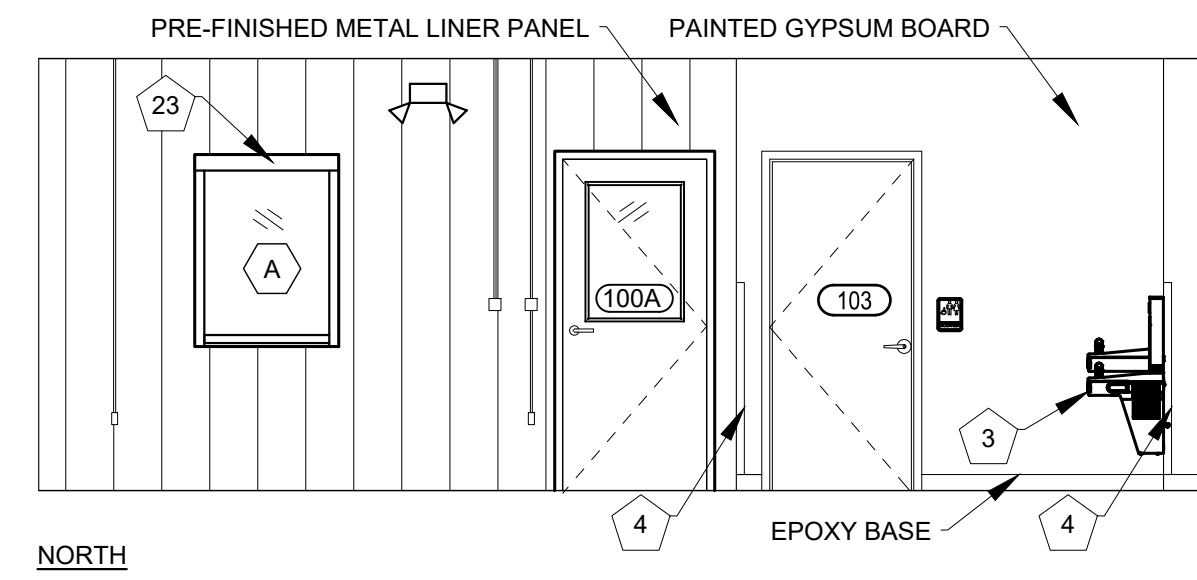
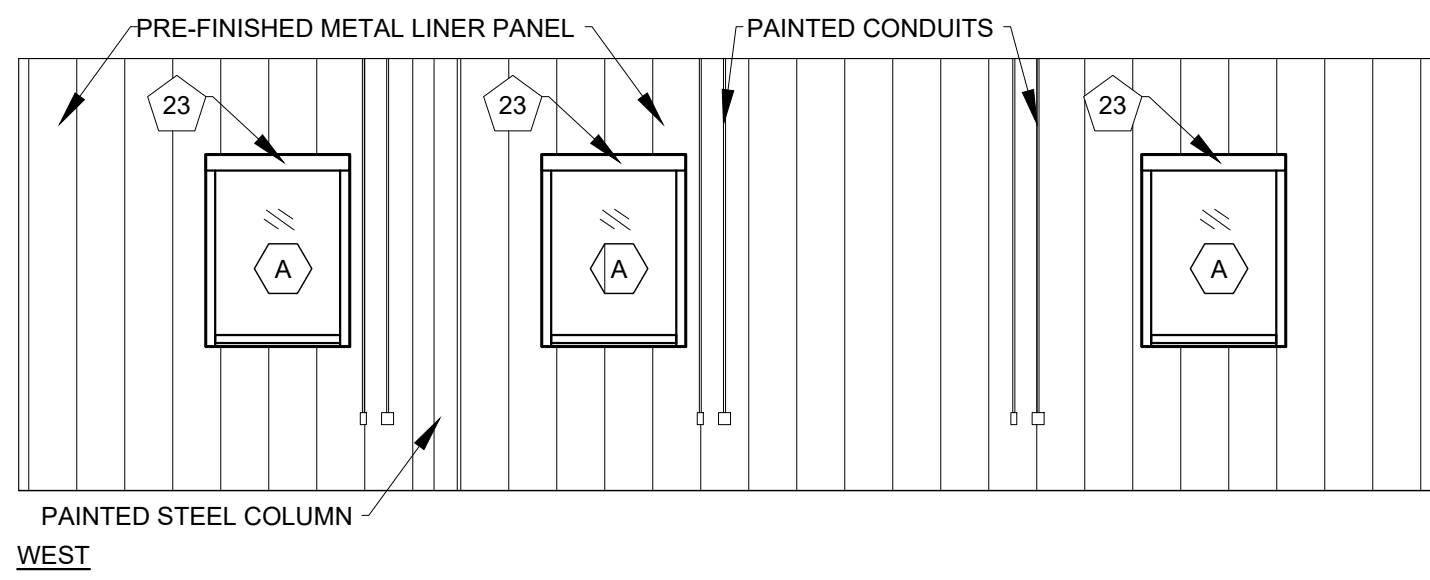
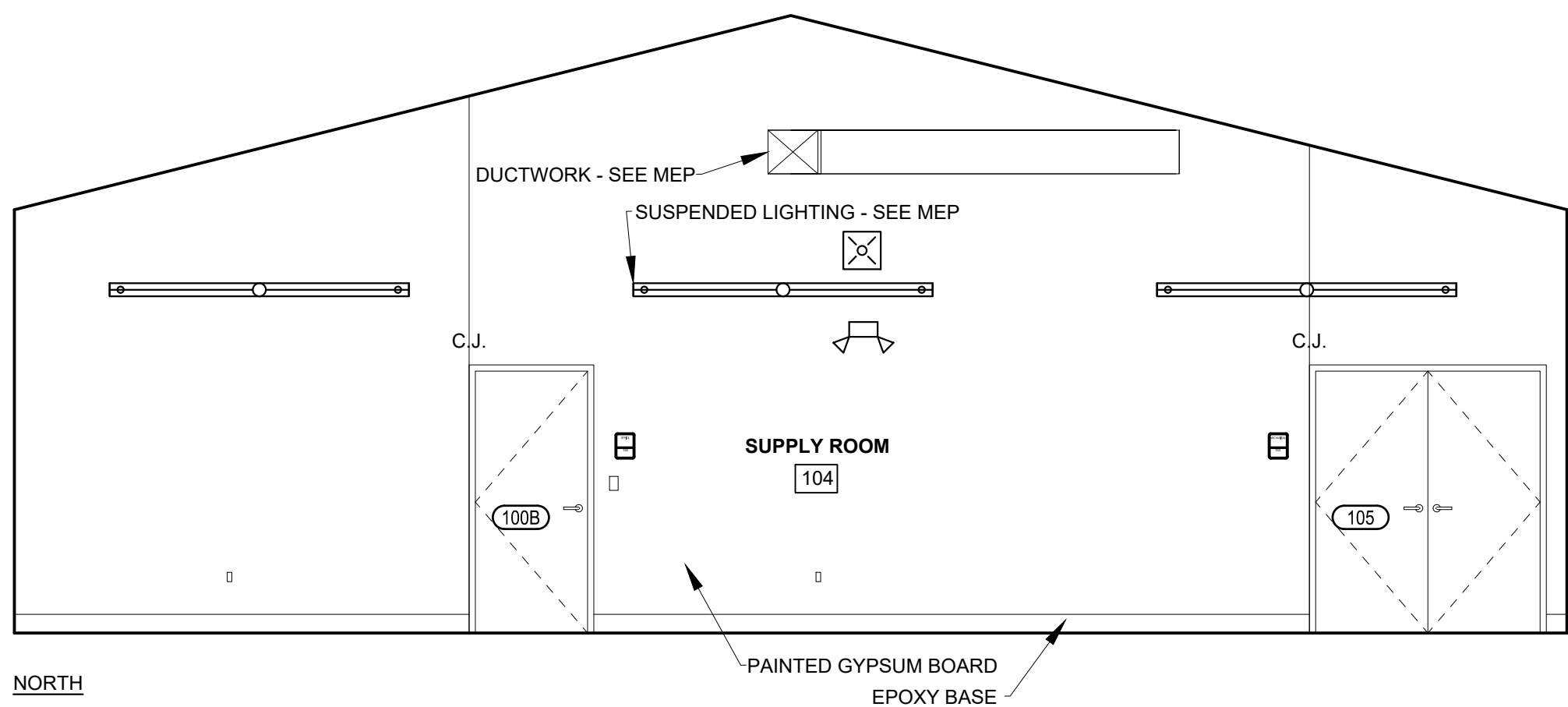
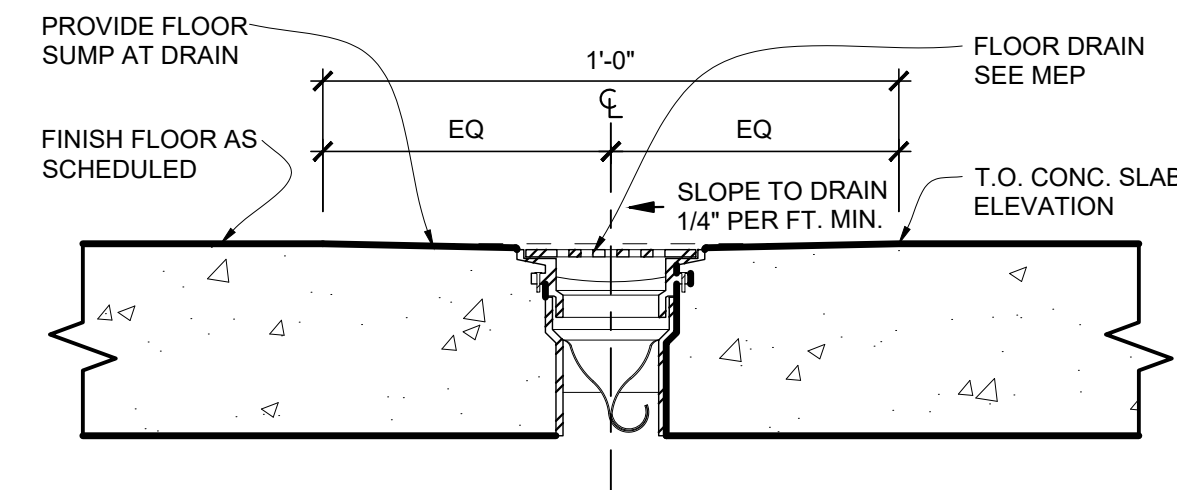
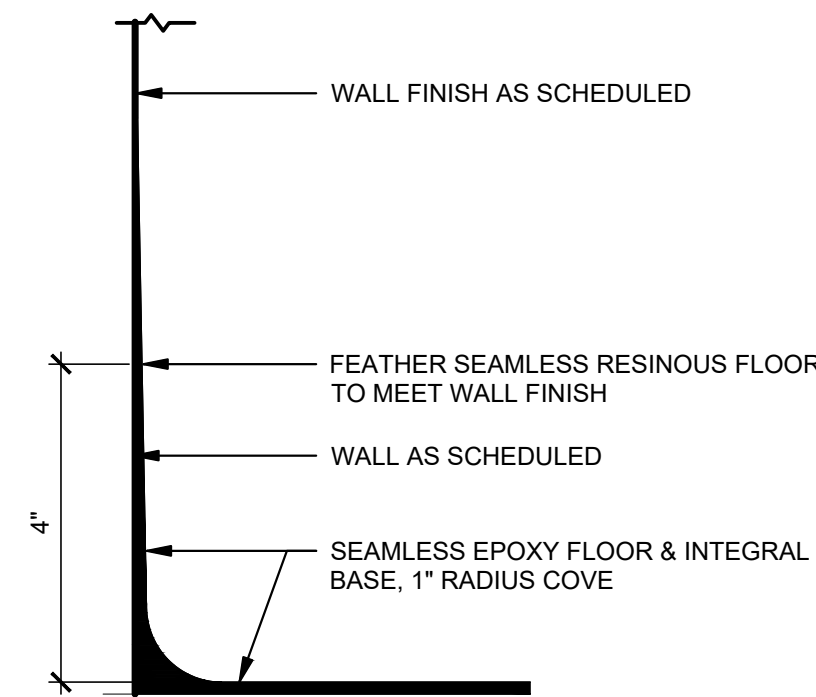
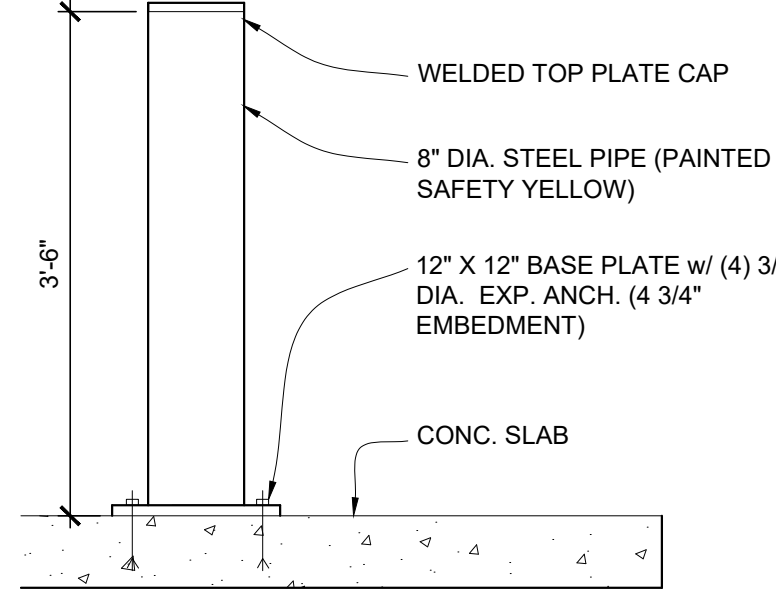
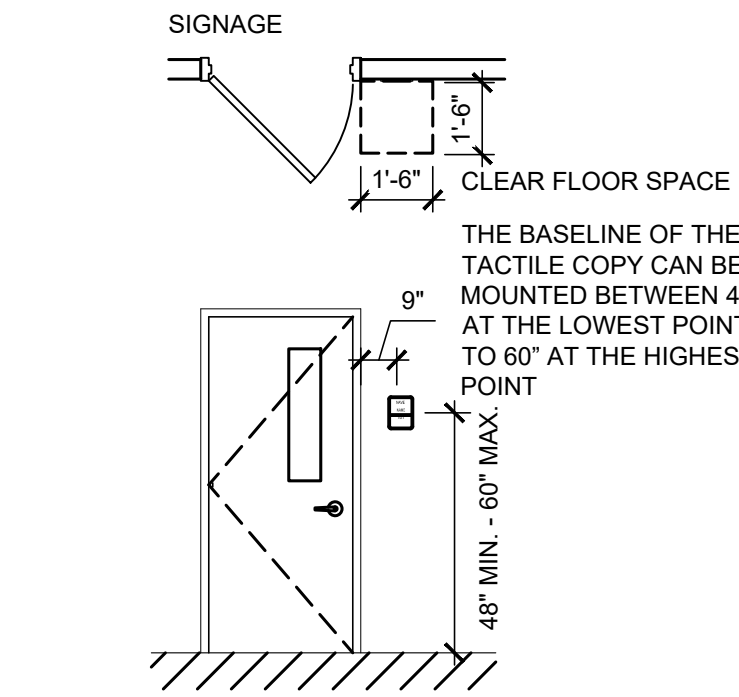
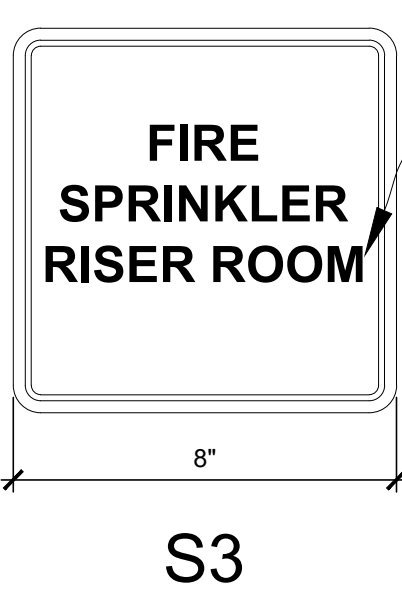
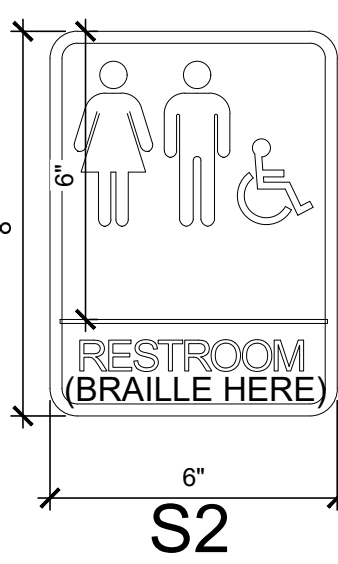
NOTES:
1. ALL SIGNAGE TO BE ANSI A117.1 COMPLIANT.
2. INTERIOR ROOM SIGN COLORS: BACKGROUND: SHERWIN WILLIAMS PORPOISE SW 7047 BORDER AND LETTERING: SHERWIN WILLIAMS PURE WHITE SW 7005
3. SEE DETAILS G1 / A202
4. SEE MOUNTING DETAILS G6 / A202



K8 TYPICAL ACCESSIBLE MOUNTING HEIGHTS
SCALE: 1/2" = 1'-0"



G1 SIGN DETAILS
SCALE: 3" = 1'-0"



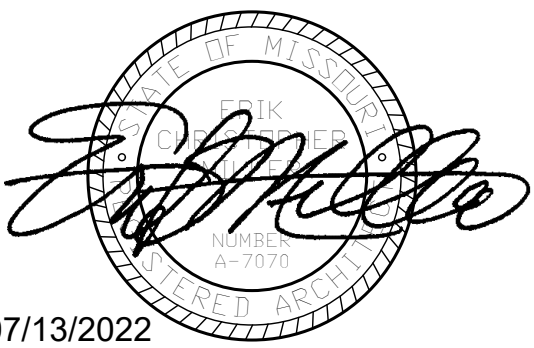
GENERAL ELEVATION NOTES

- SEE WALL SECTIONS FOR ADDITIONAL DETAILS, MATERIALS, NOTES, AND DIMENSIONS.
- SEE REFLECTED CEILING PLAN FOR CEILING HEIGHTS AND FINISHES.
- SEE STANDARD MOUNTING HEIGHT AND CLEARANCES FOR DIMENSIONS.

KEY NOTES

- 8" DIA. CONCRETE FILLED, PAINTED STEEL BOLLARD. SEE CIVIL
- AIR CONDITIONER CONDENSER, SEE MEP
- DRINKING FOUNTAIN - SEE MEP
- CORNER GUARD, 16 GA. STAINLESS STEEL 1-1/2" LEGS x 48"
- RECESSED FIRE EXTINGUISHER & CABINET (F.E.C.)
- WALL MOUNTED FIRE EXTINGUISHER
- PRE-FABRICATED CONCRETE SPLASH BLOCK
- 3"x4" PRE-FINISHED METAL DOWNSPOUT TO PVC ADAPTER BOOT TO PVC STORM SEWER PIPING UNDERGROUND TO DAYLIGHT SEE CIVIL
- MOP RACK, 36" LONG UTILITY SHELF, 4 MOP HOLDERS, 3 HOOKS
- FLOOR DRAIN - SEE G13 / A202 - SEE MEP
- CONCRETE HOUSEKEEPING PAD - SEE STRUCTURAL
- GRAB BARS. 18" VERT., 36" & 42" HORIZ. STAINLESS STEEL
- MIRROR 24"x36", 1/4" FLOAT GLASS, STAINLESS STEEL CHANNEL FRAME
- RECESSED STAINLESS STEEL TOILET PAPER DISPENSER
- LIQUID SOAP DISPENSER, SURFACE MOUNTED STAINLESS STEEL
- PAPER TOWEL DISPENSER, SURFACE MOUNTED STAINLESS STEEL
- ADA PIPE INSULATION KIT
- MOP SINK - SEE MEP
- LAVATORY - SEE MEP
- TOILET - SEE MEP
- STAINLESS STEEL CORNER BACK SPLASH - 36"x42"
- 8" x42" SCHEDULE 40 PAINTED STEEL BOLT DOWN BOLLARDS. SEE G8 / A202
- ROLLER WINDOW SHADE

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



07/13/2022

PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.440.2883
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION
DEPARTMENT OF
PUBLIC SAFETY
Missouri Army National Guard

Macon Training Site
29614 Jaguar Street
Macon, MO 63552

COMPANY HEADQUARTERS
& ADMINISTRATION
SUPPLY BUILDING

PROJECT # T2214-01
SITE # 6319
ASSET # 8136319018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/13/2022

CAD DWG FILE:
DRAWN BY: LC
CHECKED BY: EM
DESIGNED BY: EM

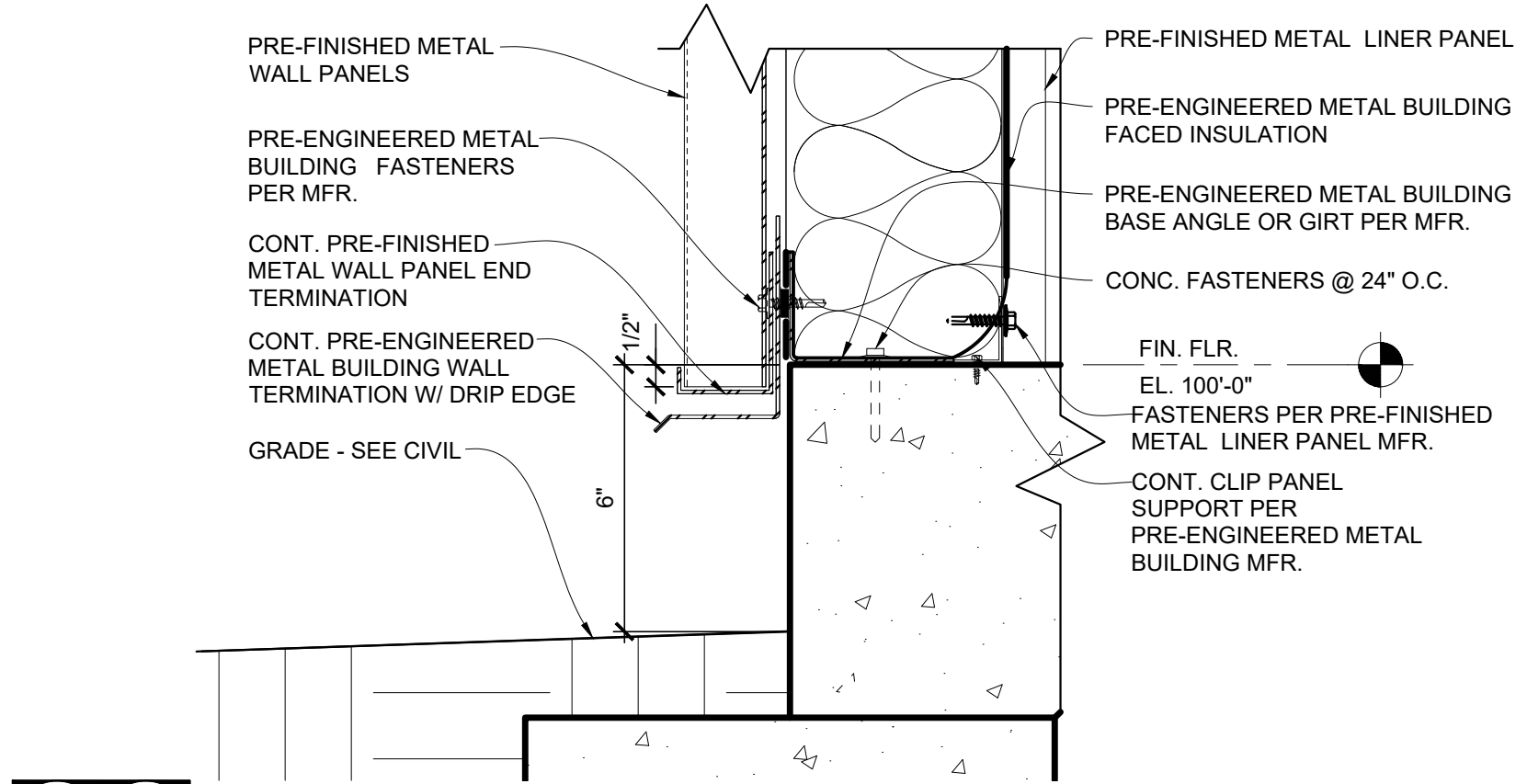
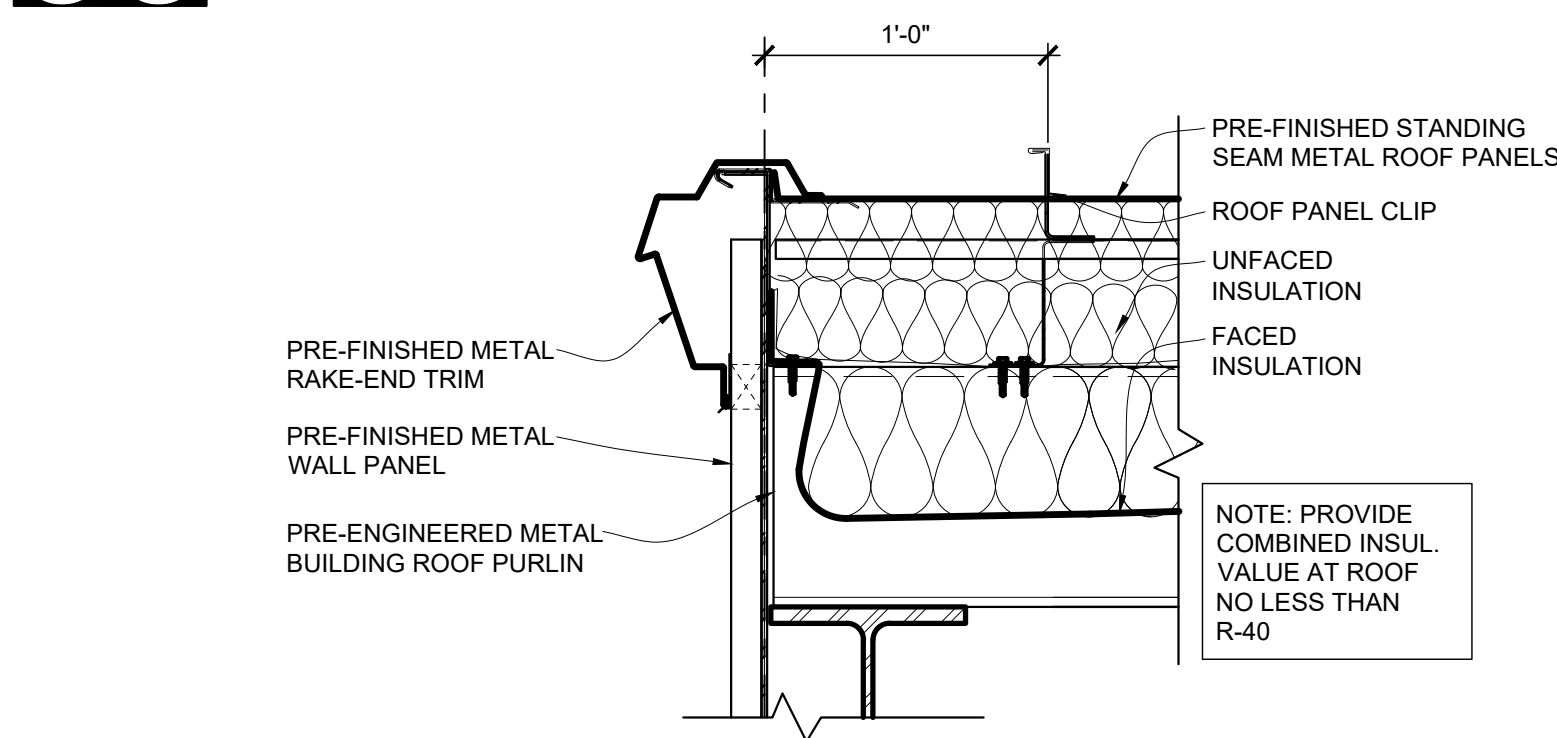
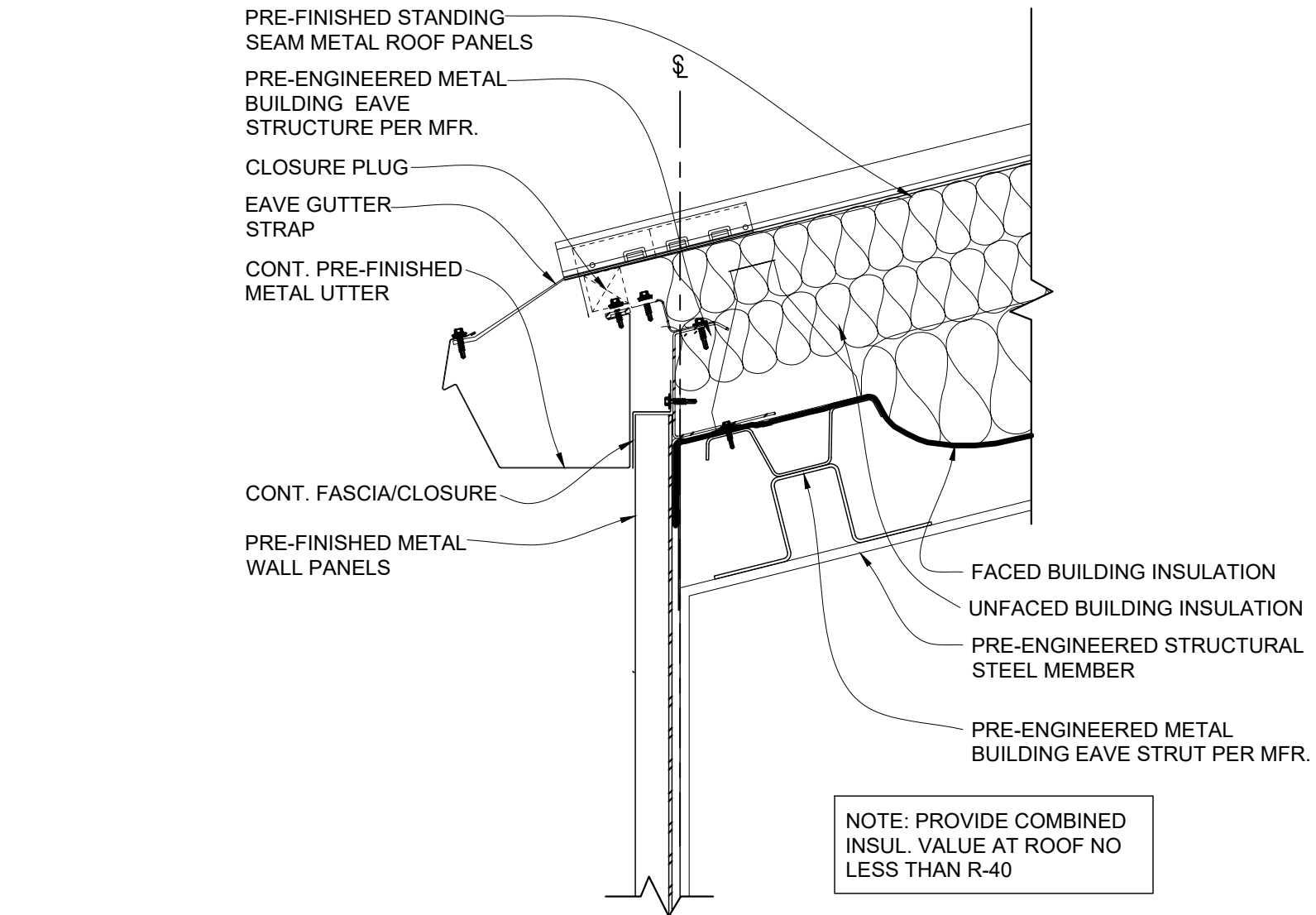
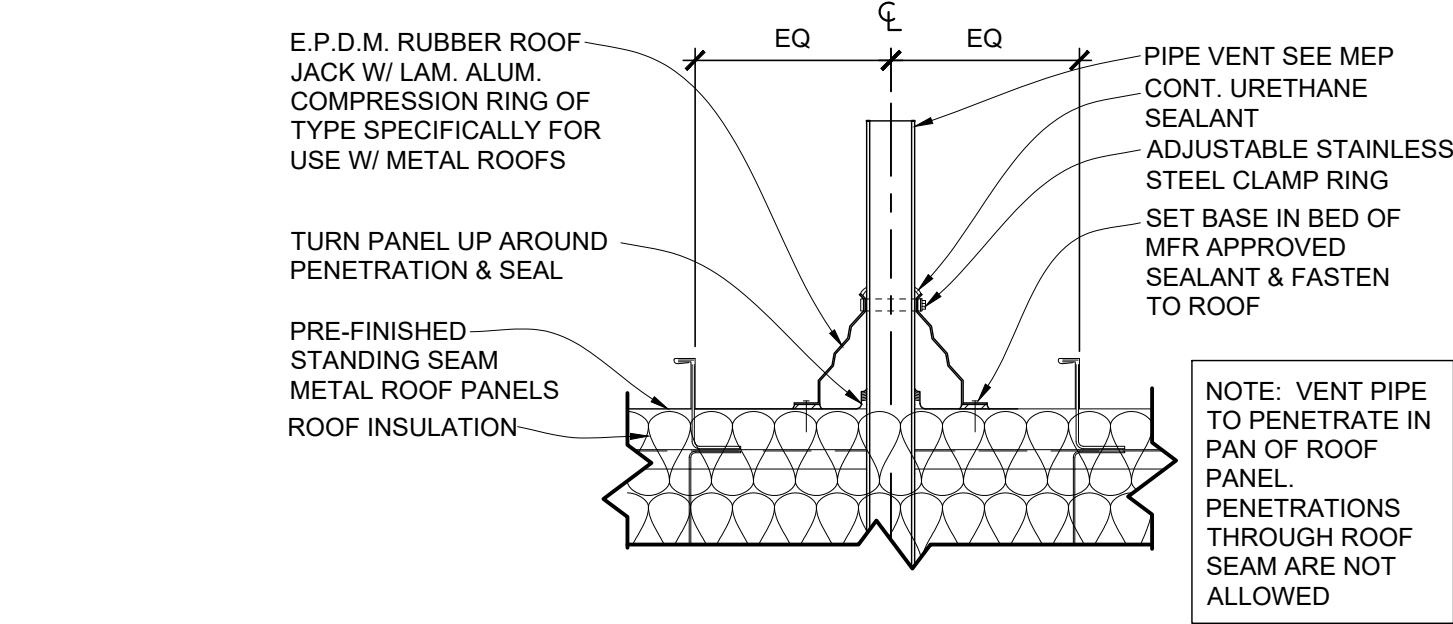
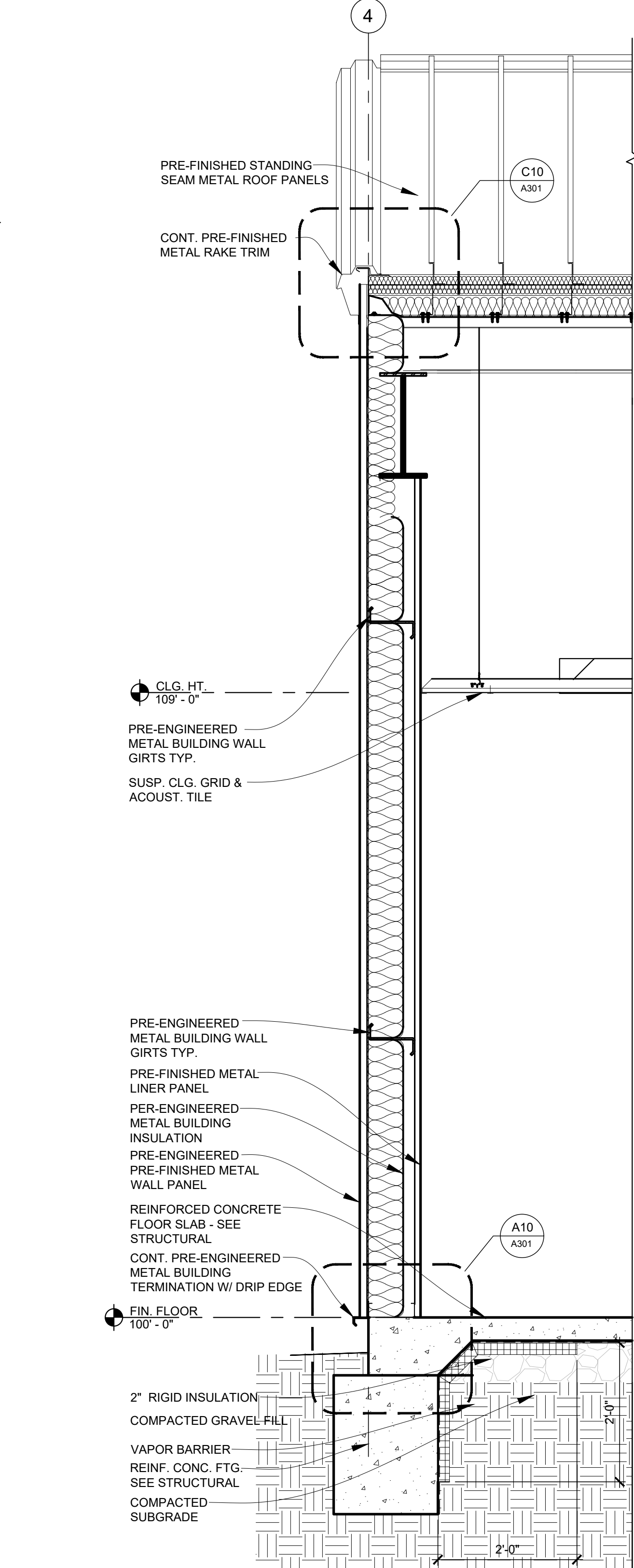
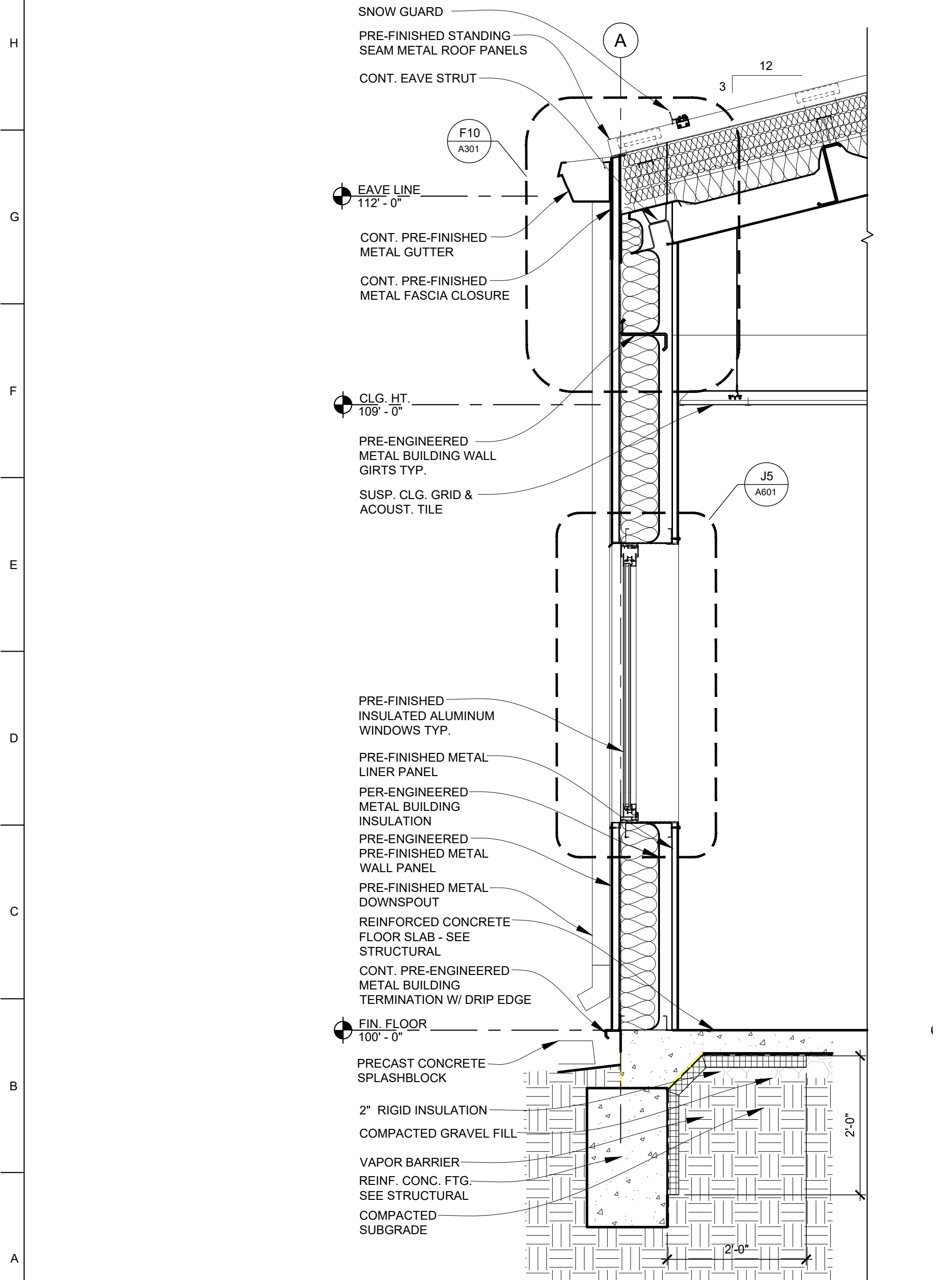
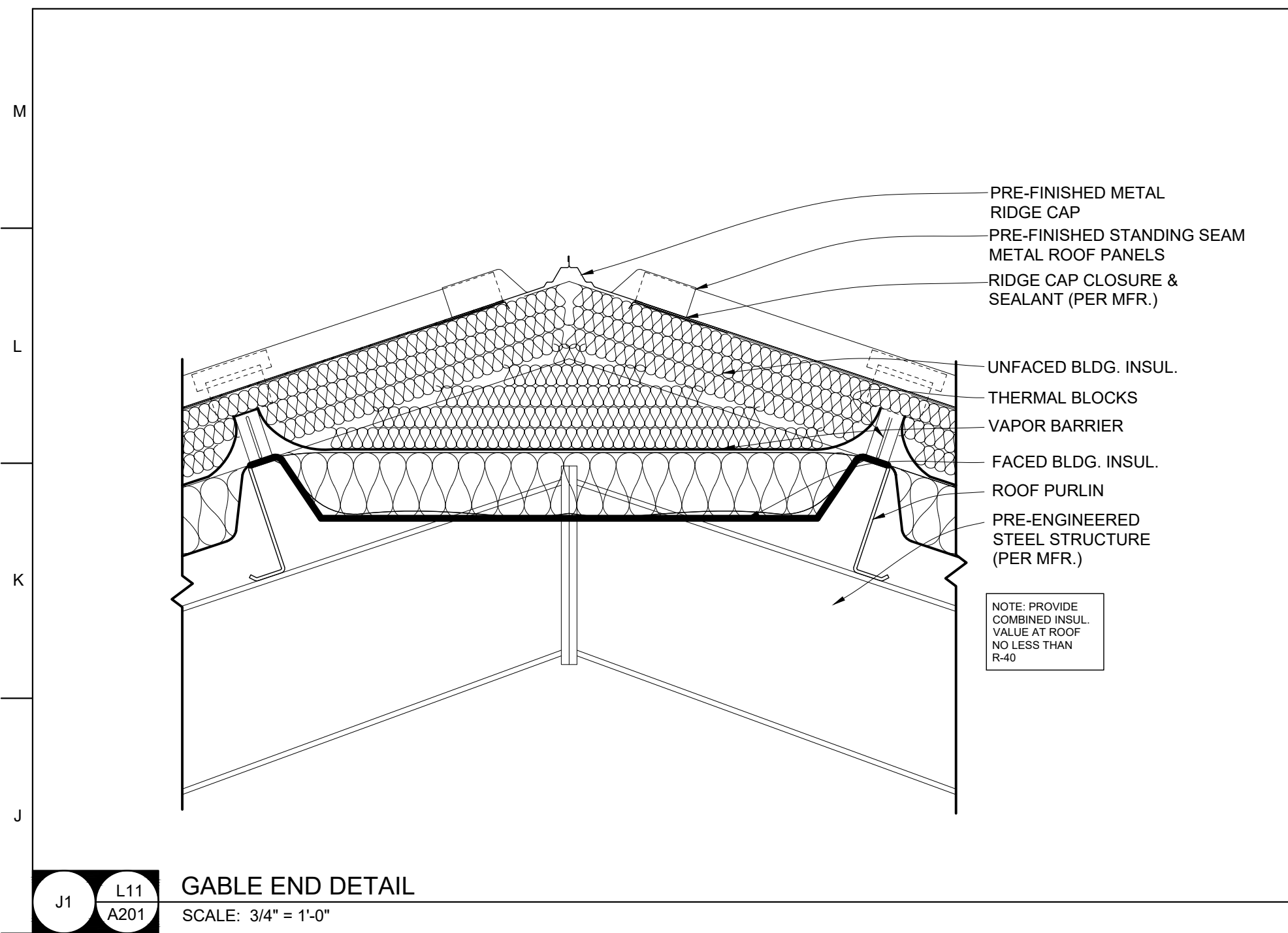
SHEET TITLE:
INTERIOR
ELEVATIONS,
FINISH SCHEDULE
& DETAILS

SHEET NUMBER:

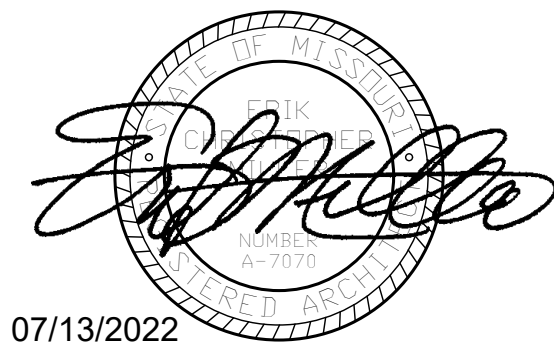
A-202

14 OF 28 SHEETS

07/13/2022



STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2883
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION
DEPARTMENT OF
PUBLIC SAFETY
Missouri Army National Guard

Macon Training Site
29614 Jaguar Street
Macon, MO 63552

COMPANY HEADQUARTERS
& ADMINISTRATION
SUPPLY BUILDING

PROJECT # T2214-01
SITE # 6319
ASSET # 8136319018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/13/2022

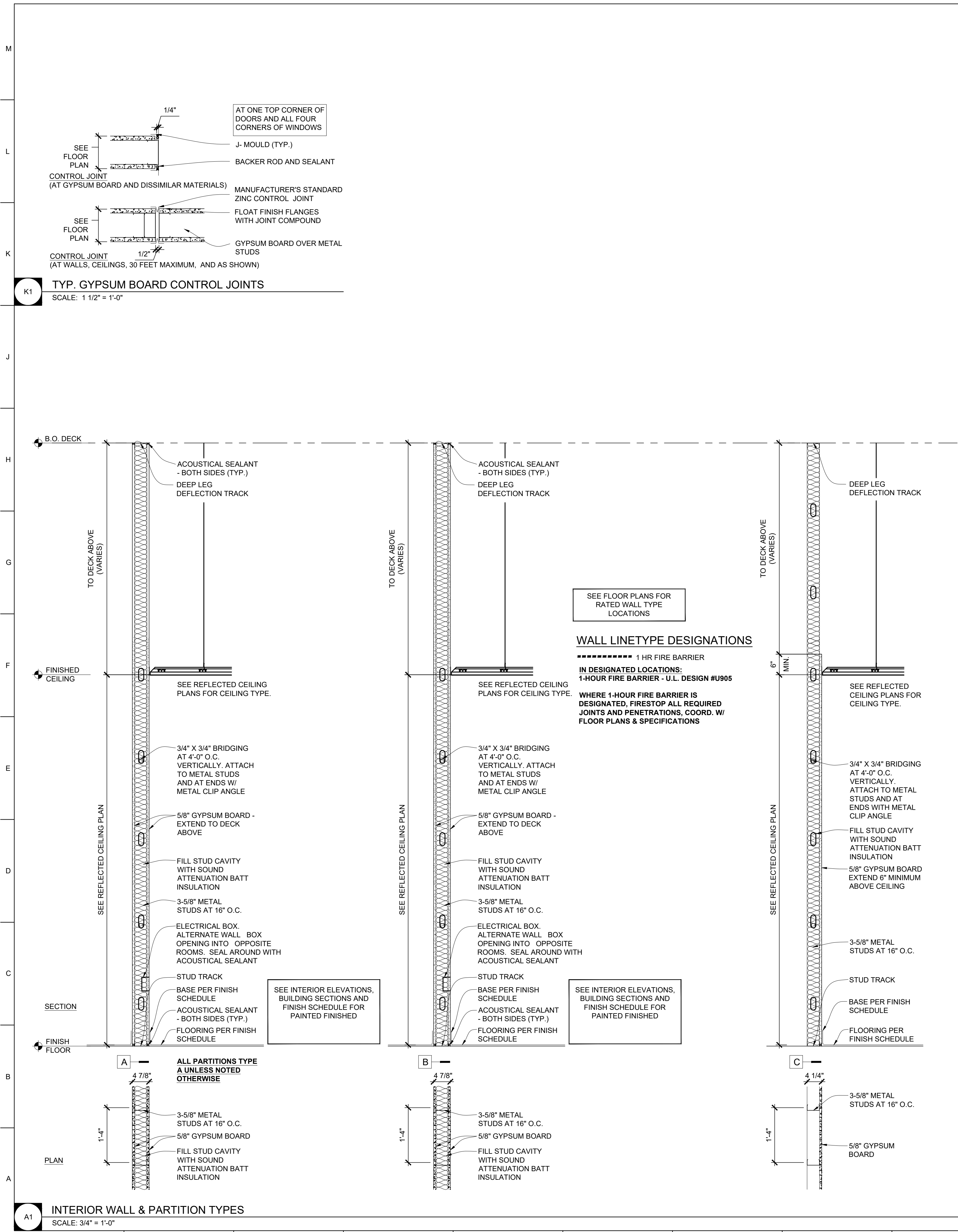
CAD DWG FILE:
DRAWN BY: LC
CHECKED BY: EM
DESIGNED BY: EM

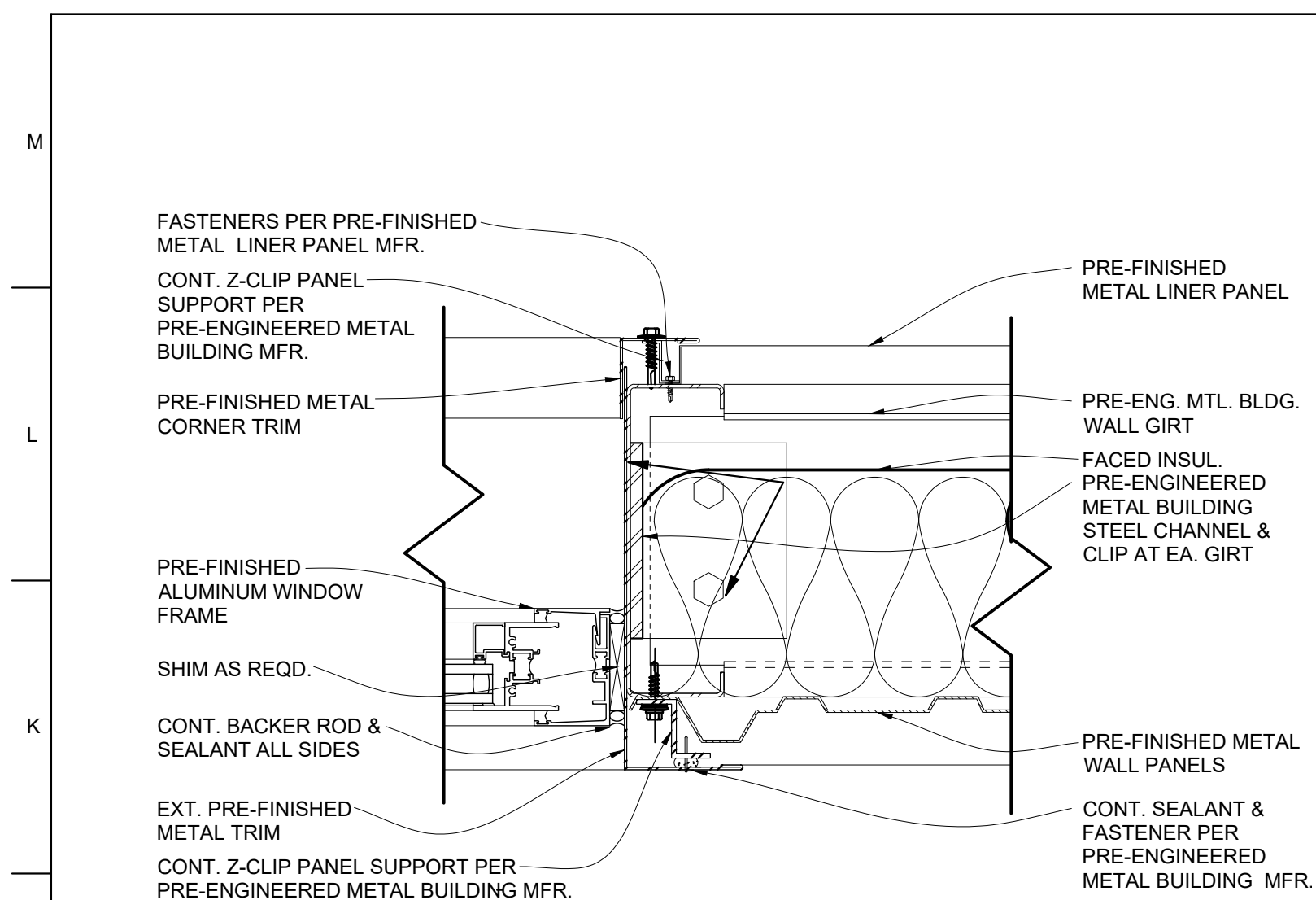
SHEET TITLE:
WALL SECTIONS &
DETAILS

SHEET NUMBER:

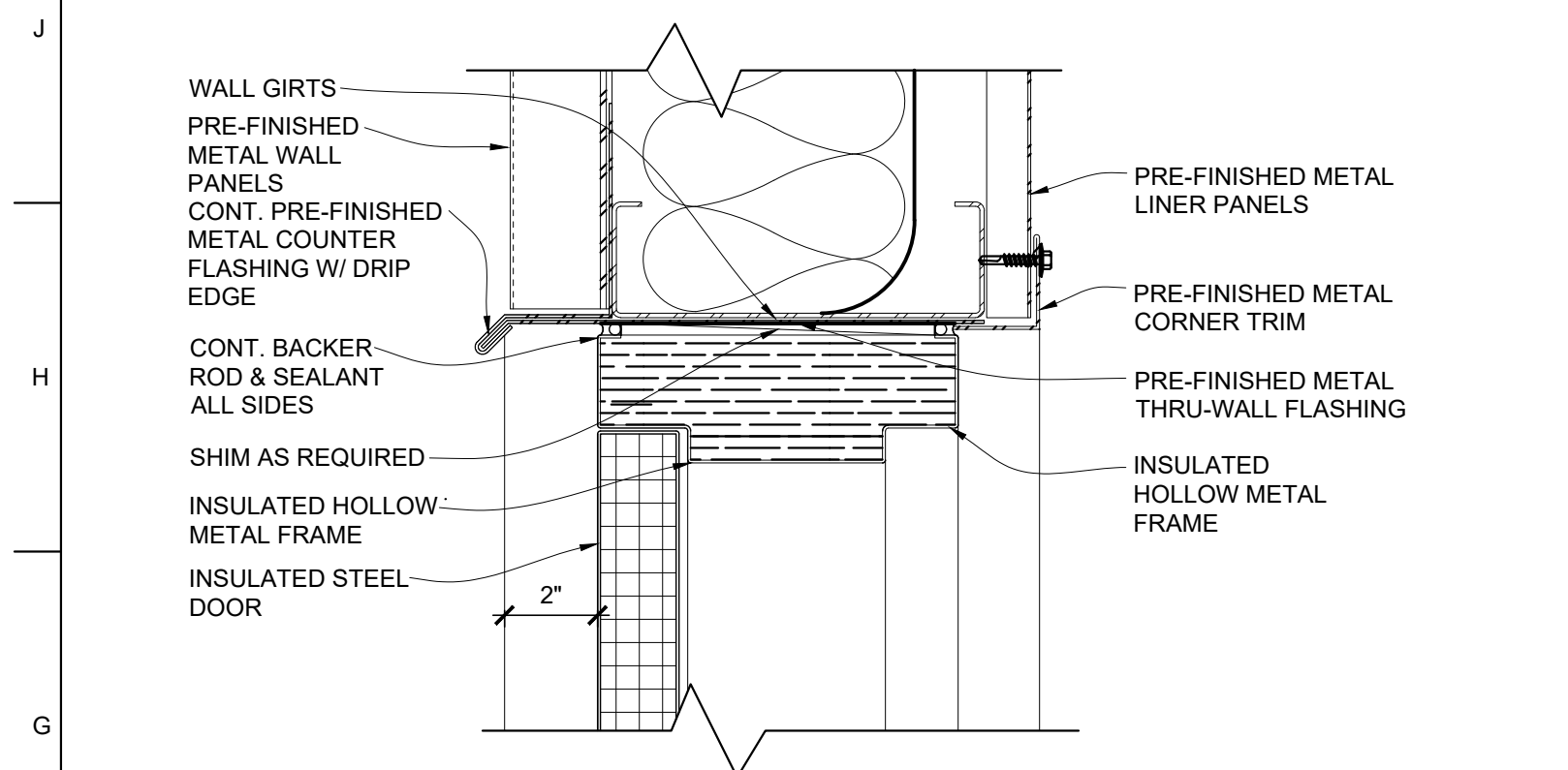
A-301

15 OF 28 SHEETS
07/13/2022

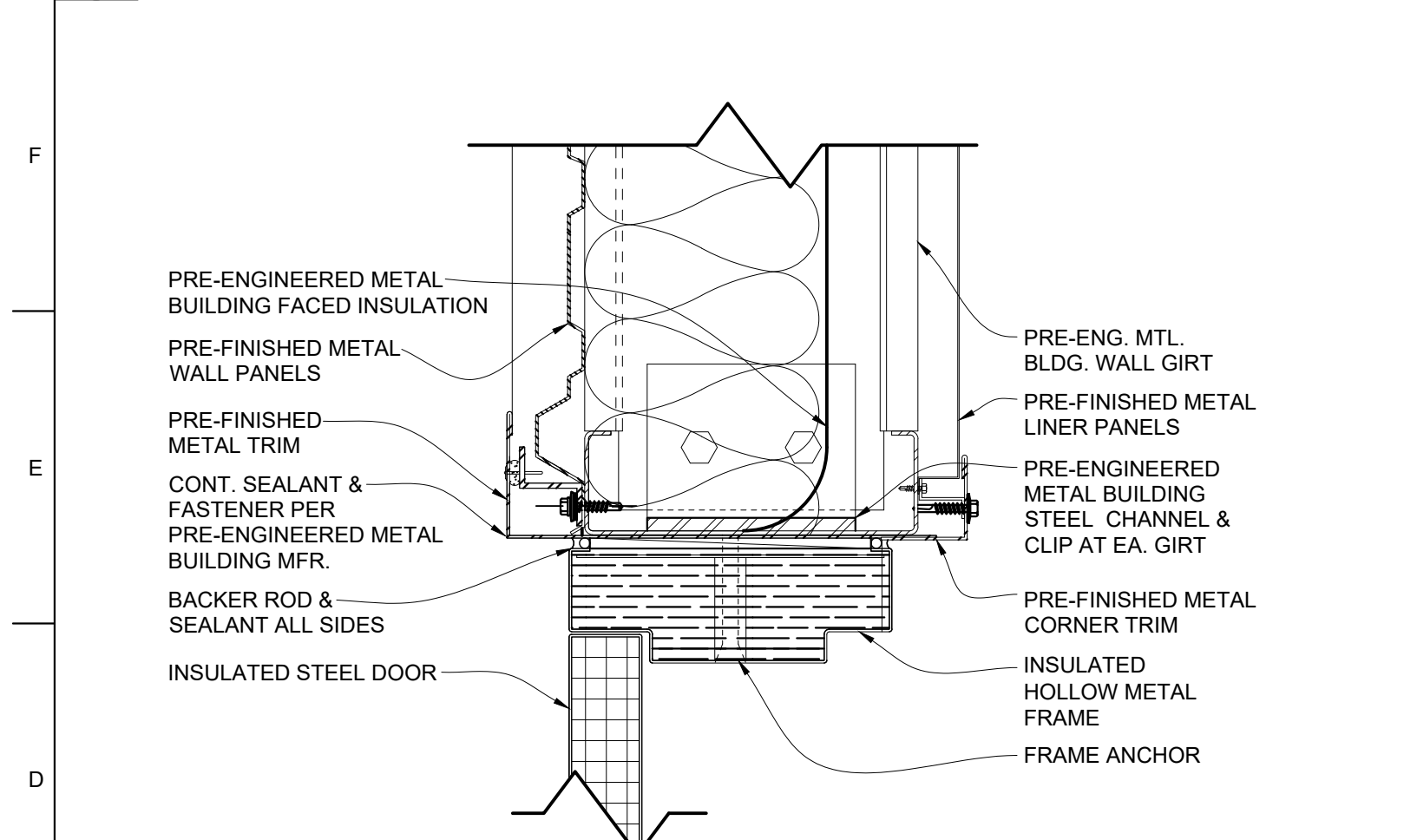




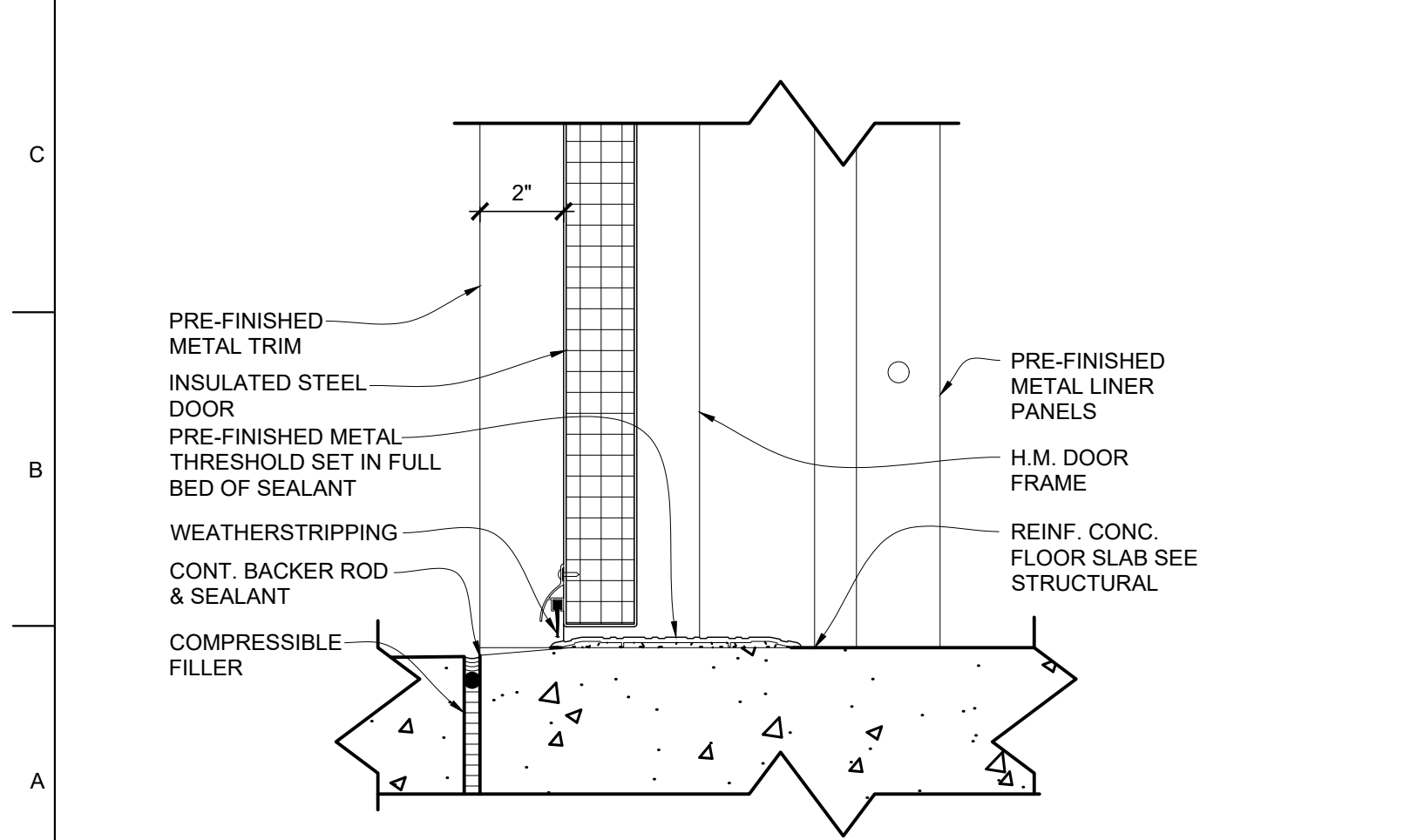
J1 WINDOW DETAILS SCALE: 3" = 1'-0"



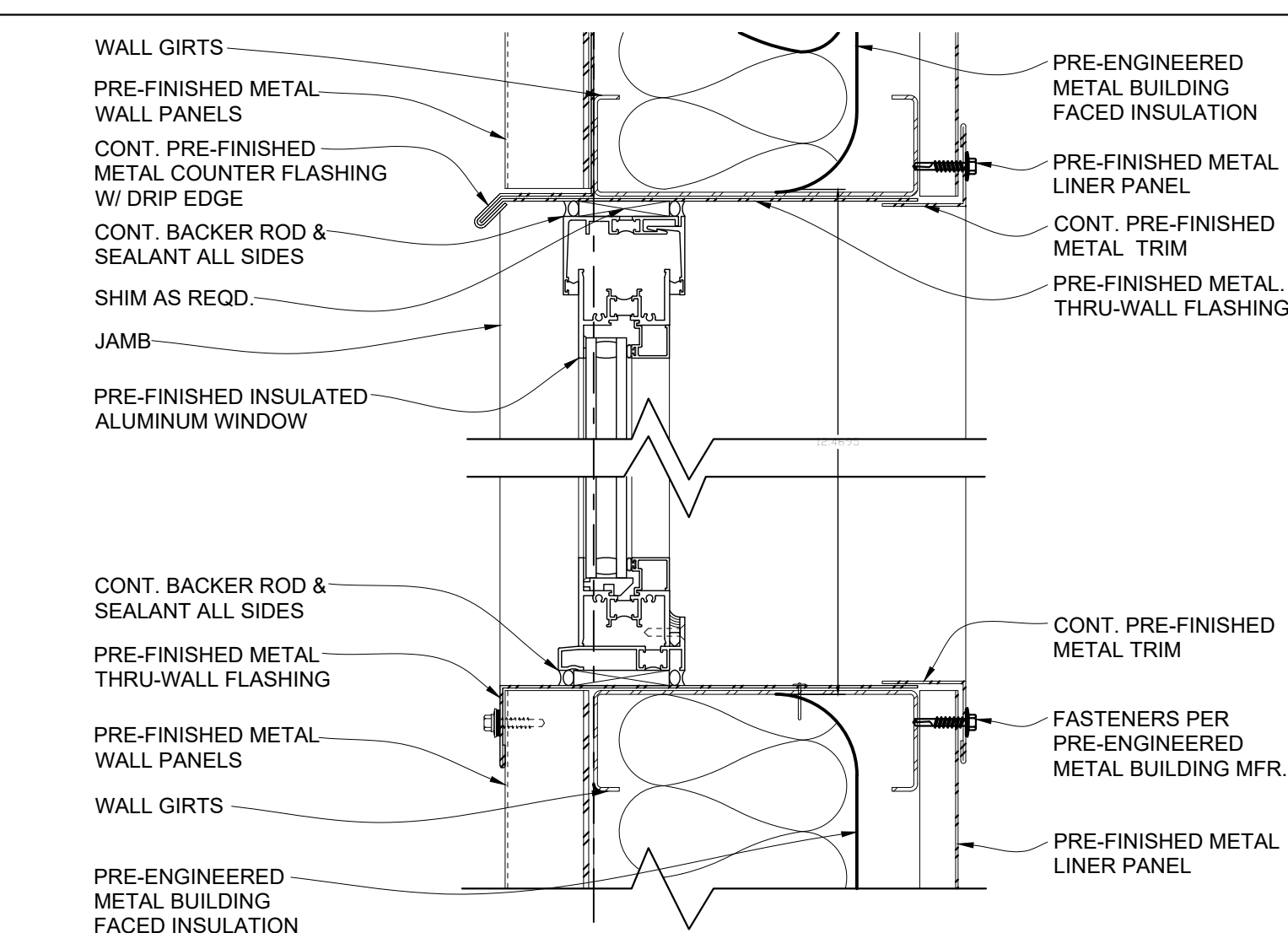
G1 DOOR FRAME DETAILS
SCALE: 3" = 1'-0"



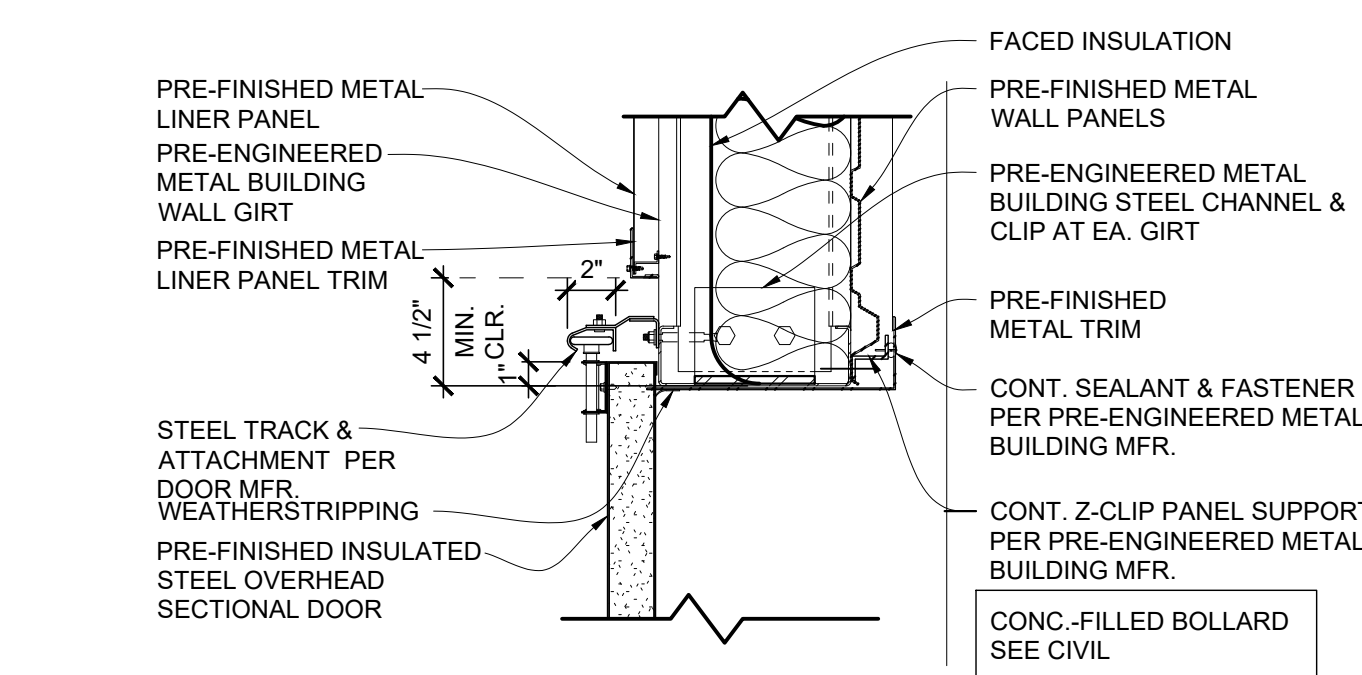
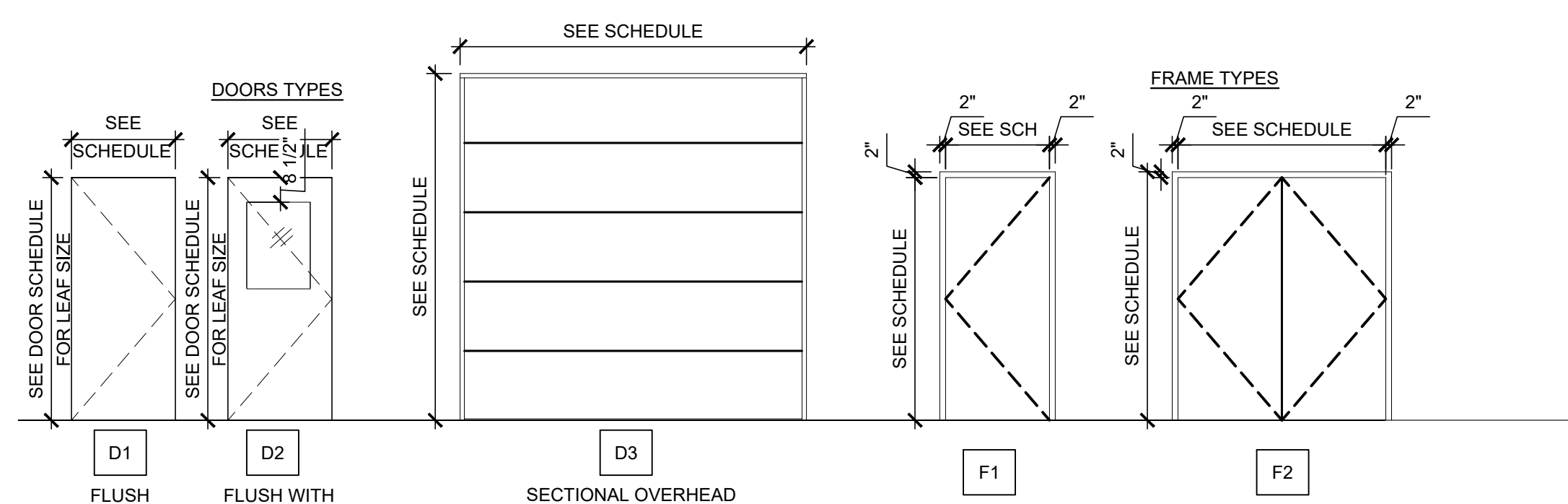
D1 DOOR FRAME DETAILS
SCALE: 3" = 1'-0"



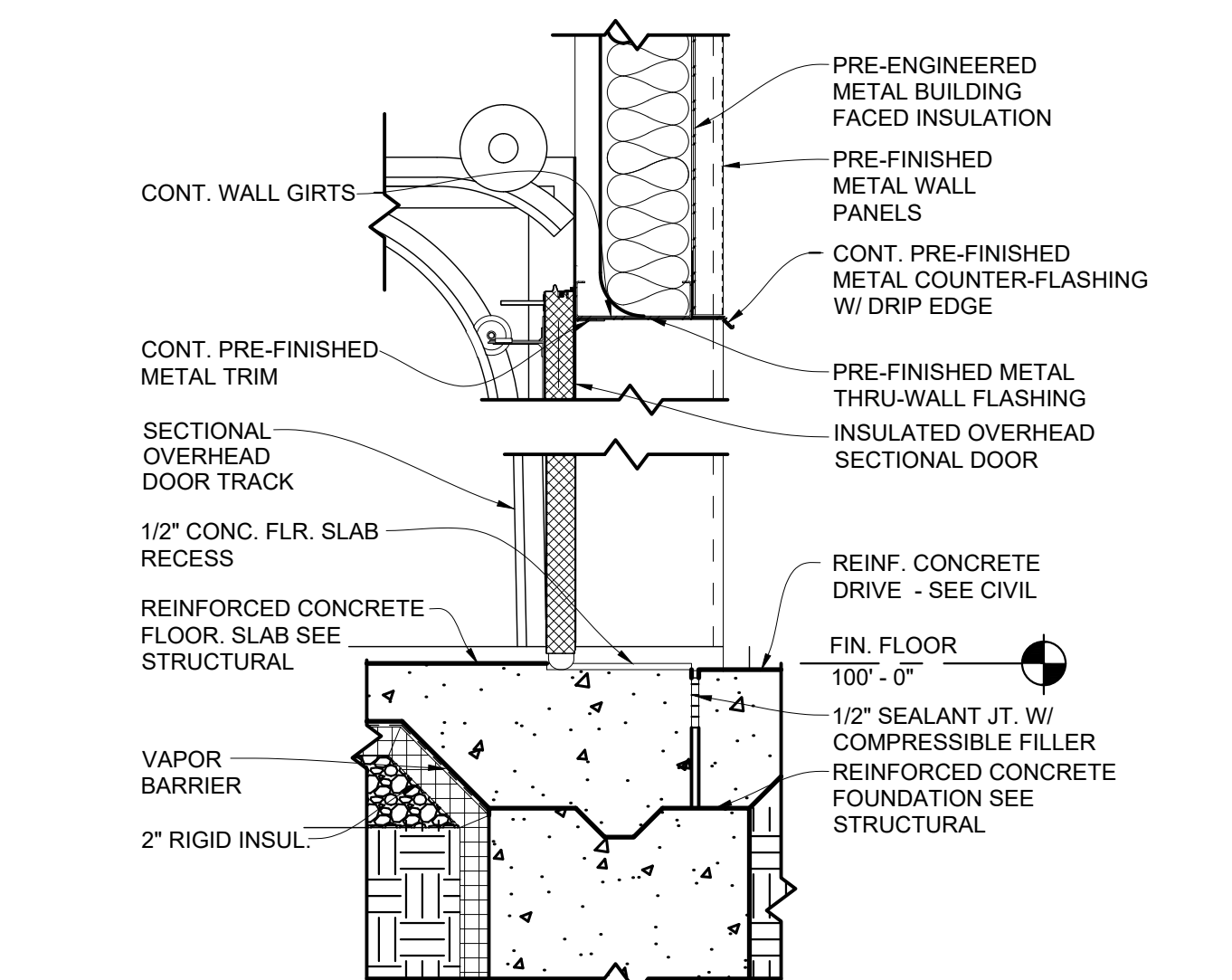
A1 DOOR FRAME DETAILS
SCALE: 3" = 1'-0"



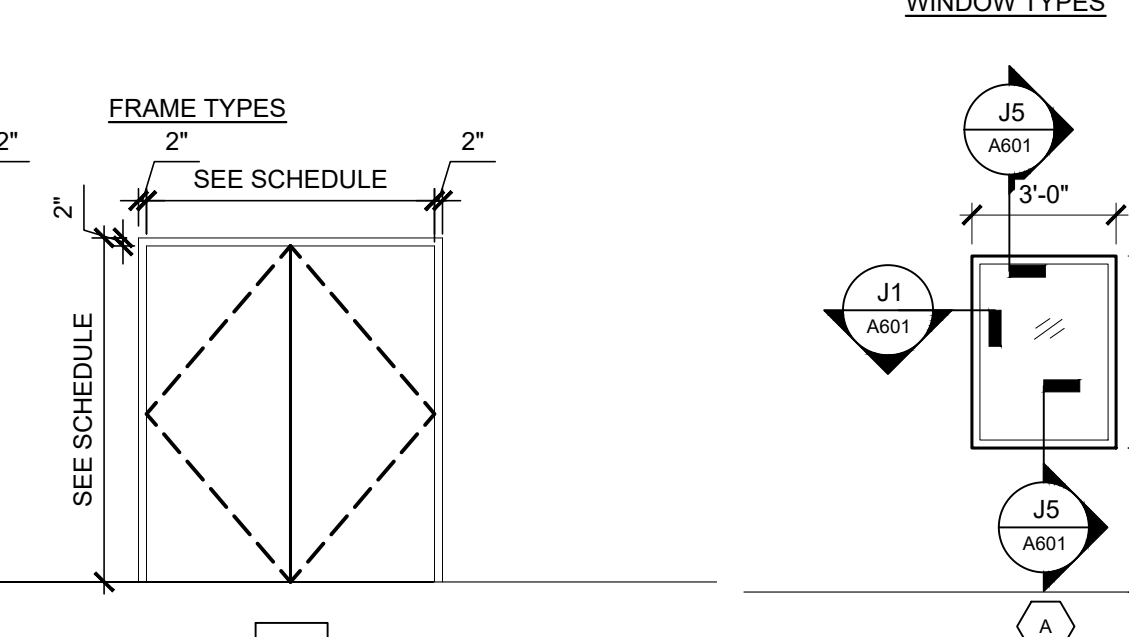
WINDOW DETAILS

[illegible]

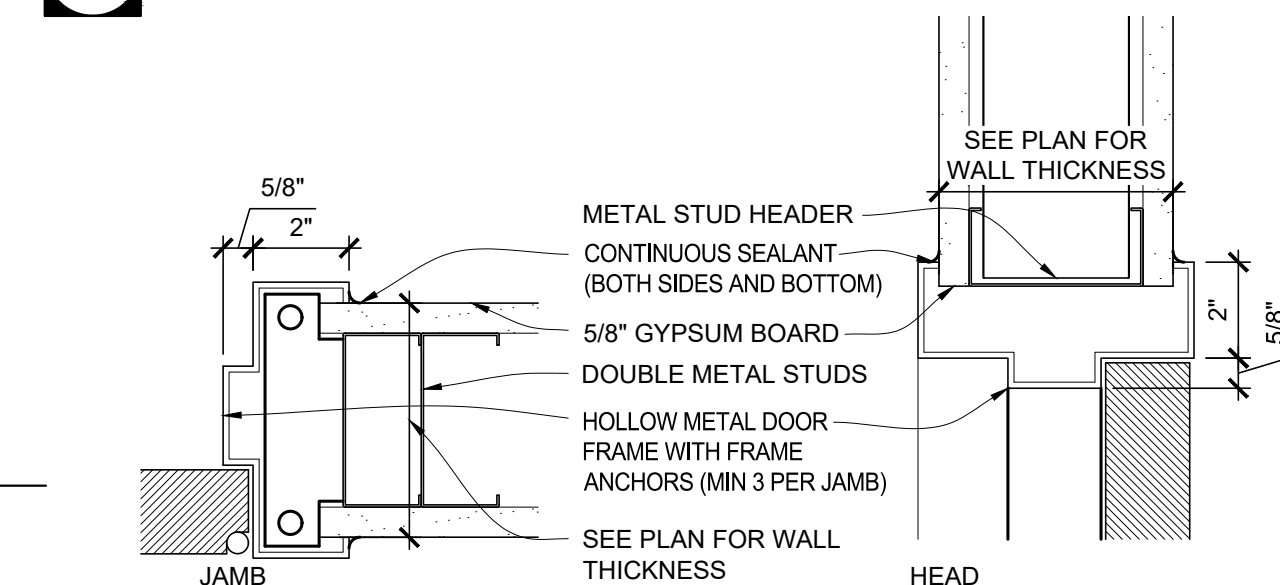
D9 DOOR FRAME DETAILS
SCALE: 1-1/2" = 1'-0"



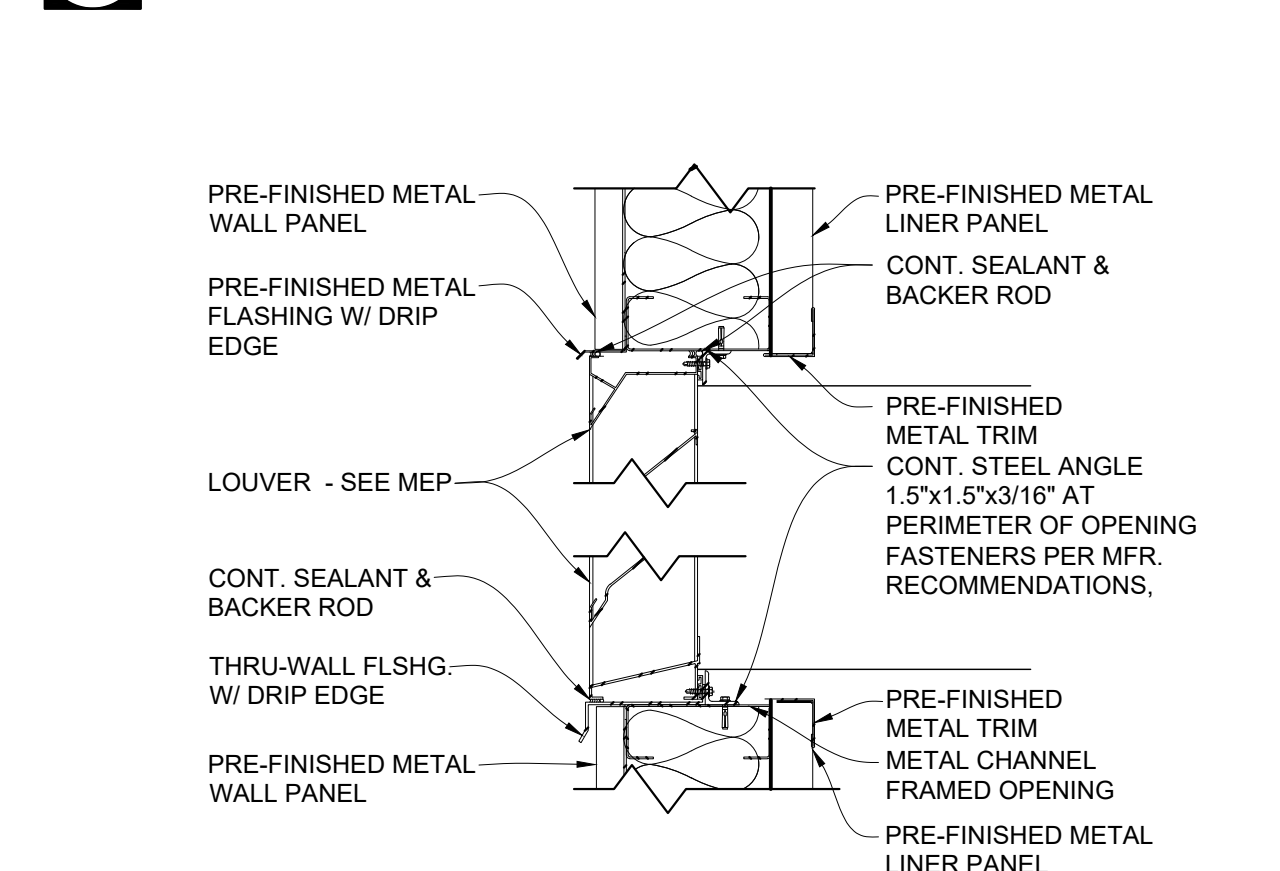
A9 DOOR FRAME DETAILS
SCALE: 1" = 1'-0"



E13 HEADER SCHEDULE
SCALE: 1" = 1'-0"



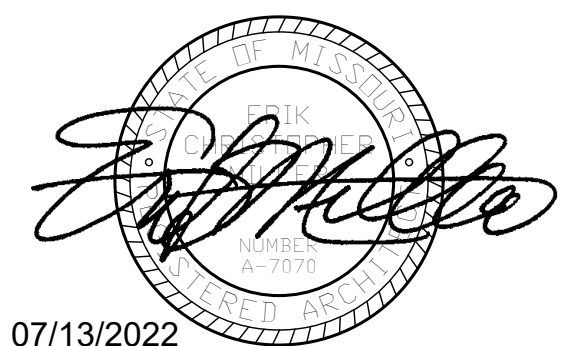
D13 DOOR FRAME DETAILS
SCALE: 3" = 1'-0"



A13 LOUVER DETAILS
SCALE: 1-1/2" = 1'-0"

- ## GENERAL DOOR DETAIL NOTES
1. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO EXECUTING ANY WORK. NOTIFY ARCHITECT OF ANY DIMENSIONS OR WORK DIFFERING FROM THAT SHOWN, FOR CLARIFICATION BY THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
 2. VERIFY ALL ROUGH OPENINGS FOR DOORS, WINDOWS, EQUIPMENT, & OTHER "BUILT-IN" ITEMS PRIOR TO EXECUTION OF ANY WORK AFFECTED BY SAME.
 3. LOCATE DOOR OPENINGS IN METAL STUD WALLS WHICH ARE NOT DIMENSIONED OTHERWISE, CENTERED IN WALL AND 6" FROM FINISH WALL TO FINISH JAMB.
 4. SEE DOOR SCHEDULE FOR DOOR DIMENSIONS AND DETAILS.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

Peckham & Wright Architects, Inc., d.b.a.
PWArchitects, Inc.

2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWAarchitects.com | 573.449.2683

Missouri State Certificate of Authority No. 00

**OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION
DEPARTMENT OF
PUBLIC SAFETY
Missouri Army National Guard**

Macon Training Site
29614 Jaguar Street
Macon, MO 63552

COMPANY HEADQUARTERS
& ADMINISTRATION
SUPPLY BUILDING

PROJECT # T2214-01
SITE # 6319
ASSET # 8136319018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/13/2022

CAD DWG FILE: _____
 DRAWN BY: LC
 CHECKED BY: EM
 DESIGNED BY: EM

SHEET TITLE:
DOOR AND
WINDOW
SCHEDULE AND
DETAILS

SHEET NUMBER:

A-601

17 OF 28 SHEETS

07/13/2022

M
L
K
J
H
G
F
E
D
C
B
A

Mechanical - Electrical - Plumbing Design Drawings for

COMPANY HEADQUARTERS &

ADMINISTRATIVE SUPPLY BUILDING

Macon Training Site

29614 Jaguar Street

Macon, MO 63552

GENERAL MEP SPECIFICATIONS

1.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW AND UNDERSTAND ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENTS. EACH CONTRACTOR IS RESPONSIBLE FOR ALL WORK ASSOCIATED WITH HIS TRADE REGARDLESS OF WHERE THE WORK IS DEPICTED IN THE DRAWINGS OR SPECIFICATIONS.

2.

THE LAYOUT OF SYSTEMS SHOWN ON PLANS ARE APPROXIMATE AND WILL NEED TO BE COORDINATED IN FIELD. THE CONTRACTOR SHALL INCLUDE THIS COORDINATION IN HIS SCOPE AND INCLUDE ALL COSTS OF MODIFYING THE LAYOUT AS REQUIRED IN HIS BID.

3.

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY PARTS AND LABOR TO PRODUCE A COMPLETE AND FULLY OPERATIONAL SYSTEM UNLESS STATED OTHERWISE ON PLANS.

4.

ALL MATERIALS TO BE NEW, FIRST CLASS, AND INSTALLED PER MANUFACTURE'S PUBLISHED INSTRUCTIONS.

5.

ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH LOCALLY ADOPTED CODES AND ORDINANCES.

6.

CONTRACTOR IS RESPONSIBLE FOR TO COORDINATE EQUIPMENT LOCATIONS AND SYSTEM ROUTING WITH OTHER TRADES PRIOR TO INSTALLATION.

7.

CONTRACTOR TO GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE THE PROJECT IS TURN OVER TO THE OWNER, UNLESS NOTED OTHERWISE.

8.

CONTRACTOR IS TO INCLUDE IN HIS SCOPE THE COST OF ALL PERMITS, INSPECTIONS, METERING, AND TAPS ASSOCIATED WITH HIS WORK.

9.

CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATION, CUTTING, CORING, PATCHING, AND BACKFILL REQUIRED TO COMPLETE HIS WORK, UNLESS NOTED OTHERWISE.

10.

THESE PLANS ARE NOT TO BE SCALED. SEE ARCHITECTURAL PLANS FOR DIMENSIONS, WHERE THERE IS A CONFLICT BETWEEN ARCHITECTURAL DIMENSIONS AND MEP DIMENSION, ARCHITECTURAL SHALL GOVERN.

11.

SEE DISCIPLINE SHEETS FOR ADDITIONAL DISCIPLINE SPECIFIC SPECIFICATIONS.

FIRE RATED PENETRATION NOTES

•

THIS BUILDING CONTAINS FIRE RATED ASSEMBLIES. SEE ARCHITECTURAL PLANS FOR LOCATIONS.

•

A UL LISTED FIRESTOP SYSTEM SHALL BE INSTALLED AT EACH PENETRATION OF A HORIZONTAL OR VERTICAL RATED ASSEMBLY IN ACCORDANCE WITH ASTM E814 OR UL 1479.

•

EACH CONTRACTOR IS RESPONSIBLE FOR PROVIDING PROTECTION FOR HIS PENETRATIONS THRU RATED ASSEMBLIES.

•

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING A CATALOG OF ALL UL LISTED FIRESTOP ASSEMBLIES

REFERENCED CODES IN EFFECT

2018 INTERNATIONAL MECHANICAL CODE

2018 INTERNATIONAL PLUMBING CODE

2018 INTERNATIONAL FUEL GAS CODE

2018 INTERNATIONAL FIRE CODE

2017 NATIONAL ELECTRIC CODE

2018 INTERNATIONAL ENERGY CONSERVATION CODE

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

July 13, 2022

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION
DEPARTMENT OF
PUBLIC SAFETY
Missouri Army National Guard

Macon Training Site
29614 Jaguar Street
Macon, MO 63552

COMPANY HEADQUARTERS
& ADMINISTRATION BLDG.

PROJECT # T2214-01
SITE # 6319
ASSET # 8136319018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 07/13/2022

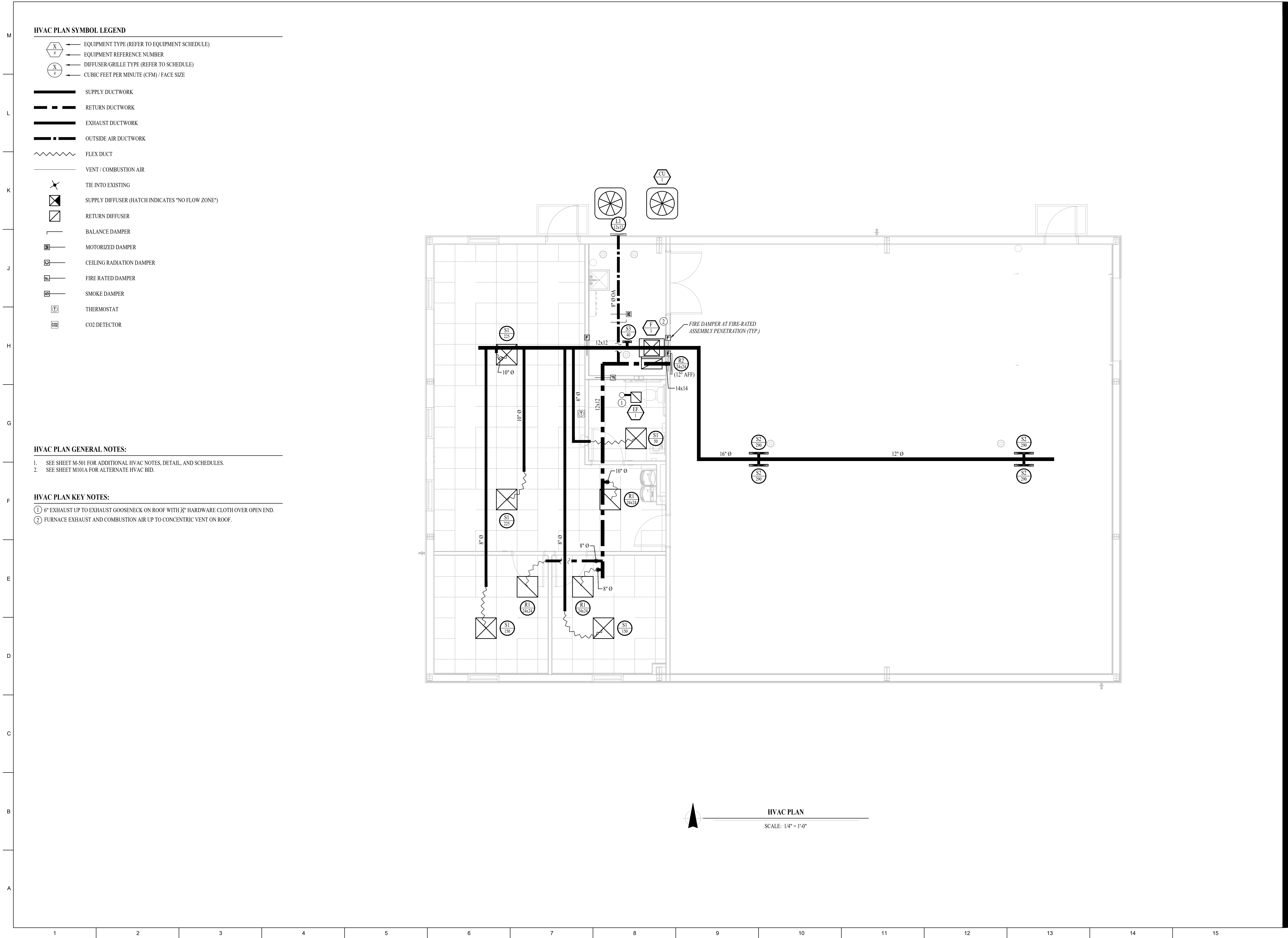
CAD DWG FILE: _____
DRAWN BY: PDH _____
CHECKED BY: ACW _____
DESIGNED BY: ACW _____

SHEET TITLE:
MECHANICAL -
ELECTRICAL -
PLUMBING
COVER SHEET

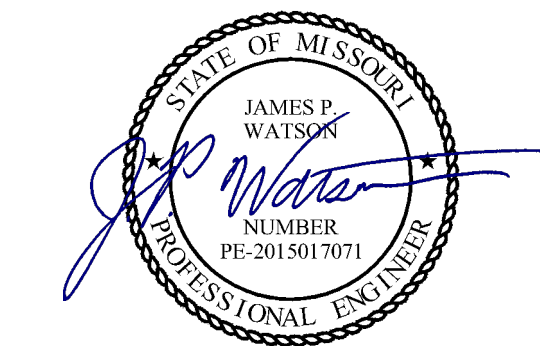
SHEET NUMBER:

MEP-101

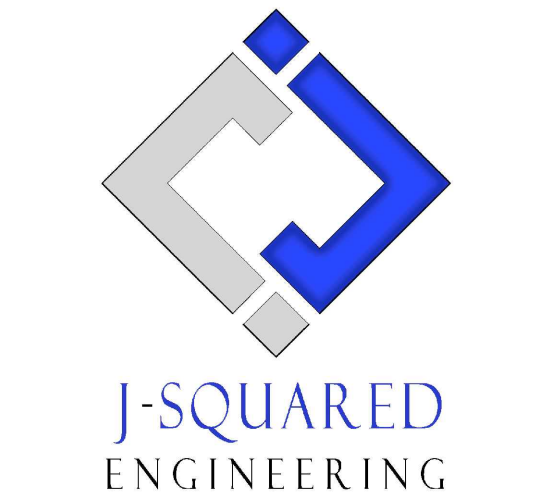
18 OF 28 SHEETS
07/13/2022



STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



July 13, 2022



OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION
DEPARTMENT OF
PUBLIC SAFETY
Missouri Army National Guard

Macon Training Site
29614 Jaguar Street
Macon, MO 63552

COMPANY HEADQUARTERS
& ADMINISTRATION BLDG.

PROJECT # T2214-01
SITE # 6319
ASSET # 8136319018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/13/2022

CAD DWG FILE: _____
DRAWN BY: PDH
CHECKED BY: ACW
DESIGNED BY: ACW

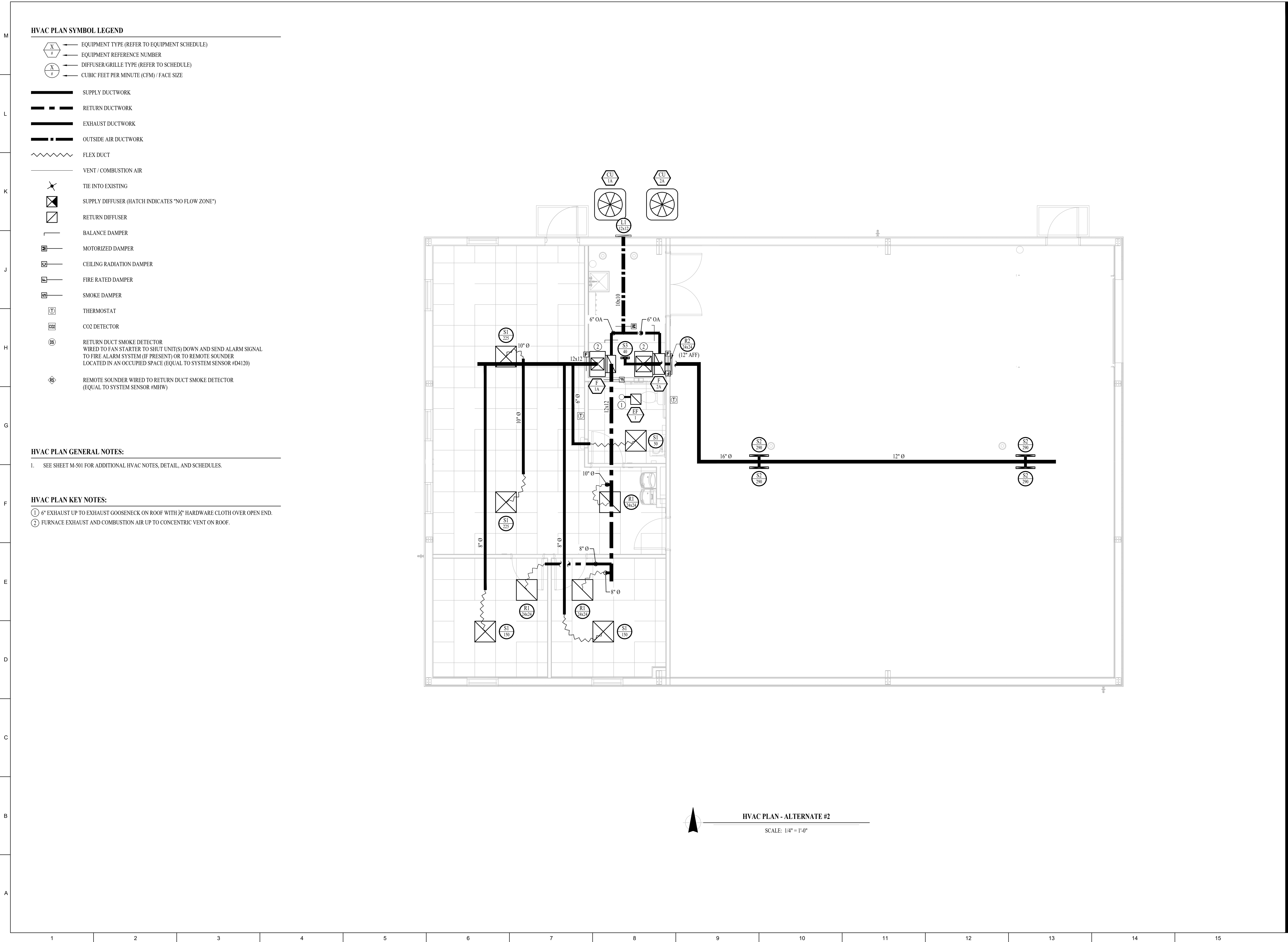
SHEET TITLE:

HVAC PLAN

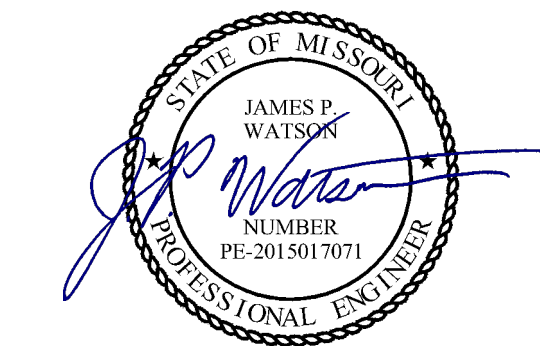
SHEET NUMBER:

M-101

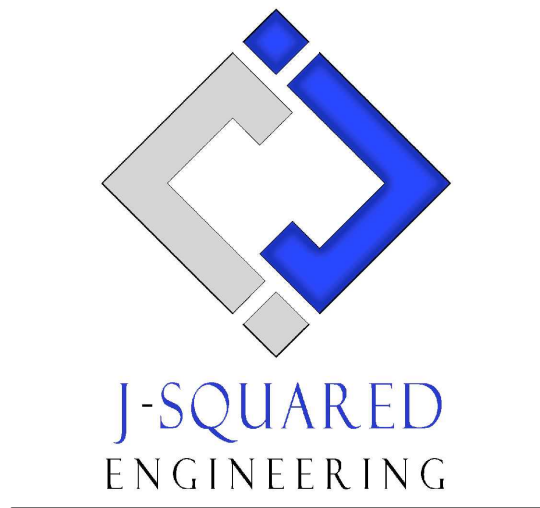
19 OF 28 SHEETS
07/13/2022



STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



July 13, 2022



OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION
DEPARTMENT OF
PUBLIC SAFETY
Missouri Army National Guard

Macon Training Site
29614 Jaguar Street
Macon, MO 63552

COMPANY HEADQUARTERS
& ADMINISTRATION BLDG.

PROJECT # T2214-01
SITE # 6319
ASSET # 8136319018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/13/2022

CAD DWG FILE: _____
DRAWN BY: PDH
CHECKED BY: ACW
DESIGNED BY: ACW

SHEET TITLE:

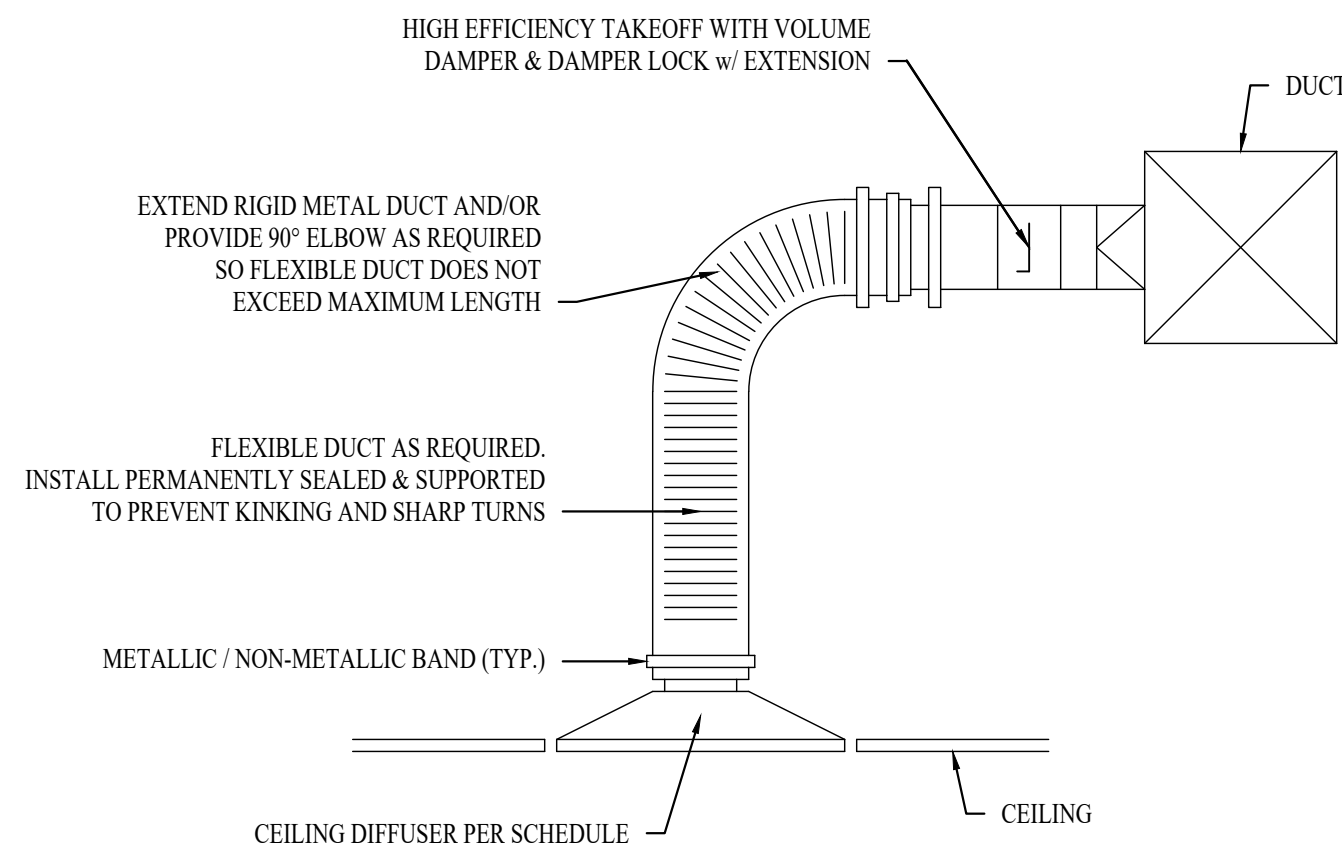
HVAC PLAN -
ALTERNATE #2

SHEET NUMBER:

M-101A

20 OF 28 SHEETS
07/13/2022

1. WORKMANSHIP
 - 1.1. COORDINATE WITH OTHER TRADES SO THAT HVAC EQUIPMENT AND DUCT WORK DOES NOT BLOCK REQUIRED ACCESS OR CLEARANCE TO EQUIPMENT.
 - 1.2. ALL HVAC EQUIPMENT IS TO BE INSTALLED PER MANUFACTURER'S PUBLISHED RECOMMENDATIONS.
 - 1.3. ALL EQUIPMENT TO BE INSTALLED LEVEL AND PLUMB.



SUSPENDED CLG.

Legend:

- = INSIDE
- = INSULATION
- = OUTSIDE

RECTANGULAR

- SUPPLY = 1" WRAP
- RETURN = NONE
- EXHAUST = NONE
- OUTSIDE AIR = 2" WRAP

- ROUND
- SUPPLY = 1 1/2" WRAP
 - RETURN = NONE
 - EXHAUST = NONE
 - OUTSIDE AIR = 2" WRAP
- SPIRAL
- SUPPLY = NONE
 - RETURN = NONE
 - EXHAUST = NONE
 - OUTSIDE AIR = 2" WRAP

DUCT "B" / CFM "B"
 VOLUME DAMPER (SEE DETAIL)
 PROPORTIONAL FITTING
 DUCT "A" / CFM "A"
 DUCT "A" x CFM "B" / CFM "A" = "B"
 DUCT "A" x CFM "C" / CFM "A" = "C"
 FIRE RATED DAMPER
 LOCATE ACCESS DOOR NEAR DAMPER AS INDICATED
 SUPPLY DUCT TURNED UP
 45° TAKEOFF (SEE DETAIL)
 36" MAX.
 SUPPLY DIFFUSER (SEE DETAIL)
 ECCENTRIC TRANSITION (30° MAX.)
 SUPPORT STRAPS (1" WIDE MIN.) MUST NOT DAMAGE OR DEFORM DUCT
 FLEXIBLE DUCTWORK
 • 88 MAX. LENGTH
 • 1/2" PER FOOT OF SUPPORT SPACING
 • MINIMUM INSIDE BEND RADIUS = DUCT Ø
 ALL TEES, ELBOWS, AND CHANGES IN DIRECTION TO HAVE TURNING VANES
 FIRE RATED WALL ASSEMBLY
 DUCT "C" / CFM "C"

90° ELBOW
(SUPPLY / RETURN)

TURNING VANES (TYP.)

"T" BRANCH
(SUPPLY / RETURN)

"T" BRANCH
(SUPPLY)

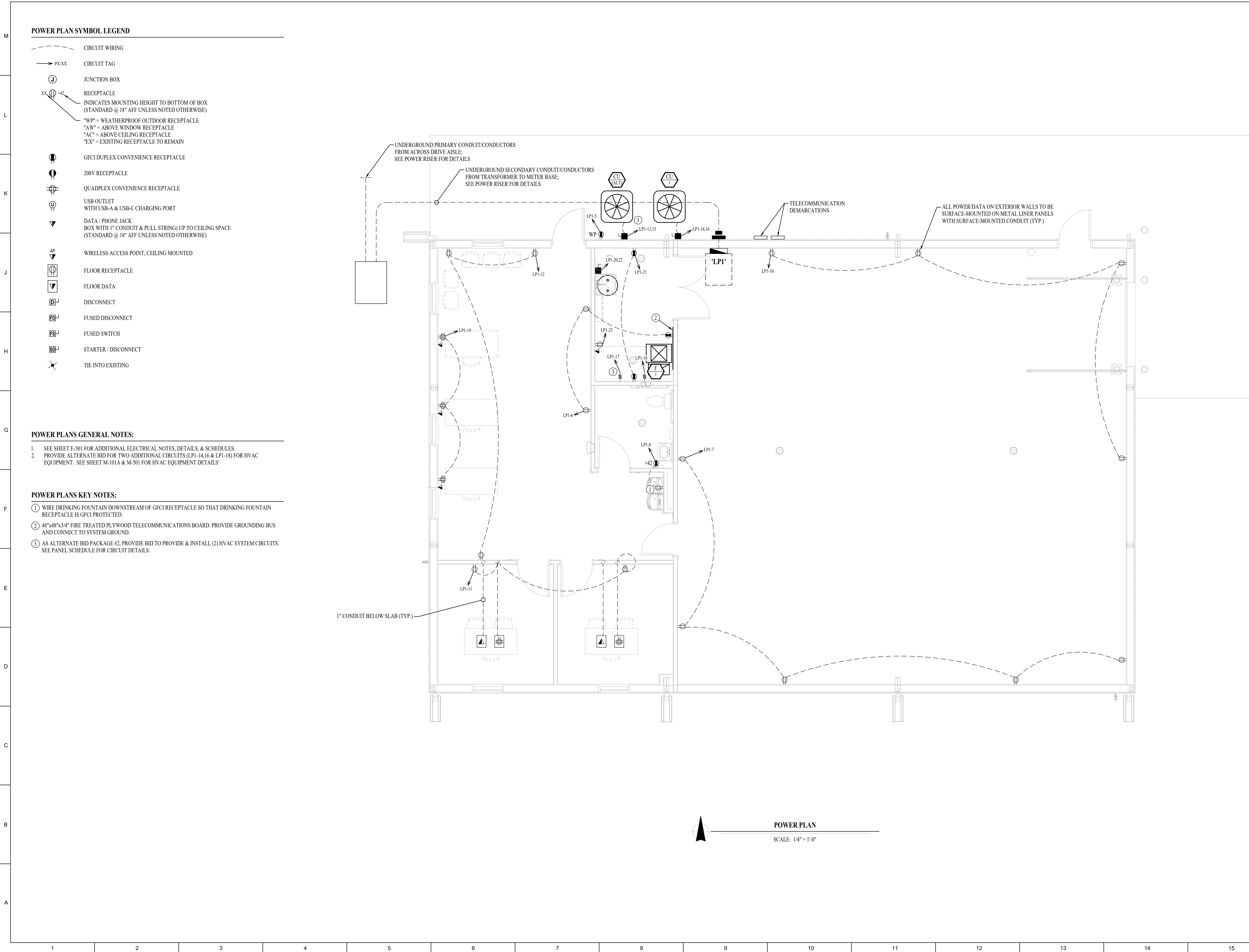
"T" BRANCH
(SUPPLY)

VOLUME DAMPER (TYP.)

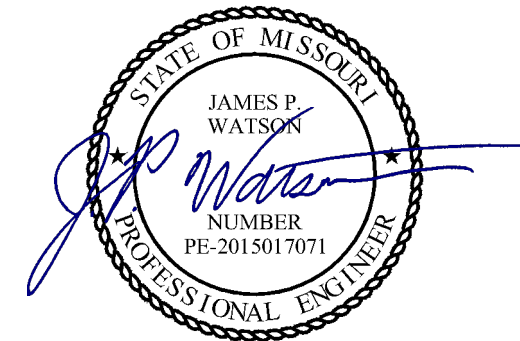
TYPICAL 45° TAKEOFF DETAIL

TAG	EQUIPMENT DESCRIPTION	SIZE (TONS)	ORIENTATION	TOTAL AIRFLOW (CFM)	OA AIRFLOW MAX/MIN (CFM)	HEATING		COOLING (IA: 80 DB/67 WB, OA: 95 DB)			ELECTRICAL			NOTES
						LP GAS INPUT (KBTU)	MIN. AFUE EFF. (%)	SENSIBLE (KBTU)	TOTAL (KBTU)	MIN EFF. (SEER)	VOLTS/PH	MCA	OCF	
F-1A	FURNACE	2	UPFLOW	800	70 / 0	40	90	-	-	-	120/1	10	20-1	1, 2, 3, 4, 7
F-2A	FURNACE	3	UPFLOW	1200	105 / 0	60	90	-	-	-	120/1	10	20-1	1, 2, 3, 4, 7
CU-1A	CONDENSING UNIT	2	-	-	-	-	-	17.2	23.0	13	240/1	18	30-2	5, 6, 7
CU-2A	CONDENSING UNIT	3	-	-	-	-	-	24.5	33.6	13	240/1	19	30-2	5, 6, 7
EF-1	EXHAUST FAN	-	IN-CEILING	70	-	-	-	-	-	-	120/1	1	20-1	8
NOTES:														
1. PROVIDE AND INSTALL 7 DAY PROGRAMABLE HONEYWELL THERMOSTAT. COORDINATE EXACT MOUNTING LOCATION WITH OWNER.														
2. INCLUDE CORROSION RESISTANT DRAIN PAN WITH OVERFLOW SWITCH WIRED TO SHUT DOWN UNIT.														
3. PROVIDE WITH MANUFACTURER'S PROPANE CONVERSION KIT & CONDENSATE NEUTRALIZATION KIT.														
4. WITH LOW LEAKAGE MOTORIZED OUTSIDE AIR DAMPER. DAMPER TO CONTROL OPEN DURING OCCUPIED HOURS AND CLOSED DURING UNOCCUPIED HOURS THRU THERMOSTAT SCHEDULE.														
5. WITH FACTORY HAIL GUARD.														
6. LOW AMBIENT PACKAGE FOR OPERATION TO 0° F.														
7. PROVIDE AS ALTERNATE BID PACKAGE #2 - SEE PLAN SHEETS FOR DETAILS														
8. EXHAUST FAN EQUAL TO BROAN #671 WITH BACKDRAFT DAMPER														

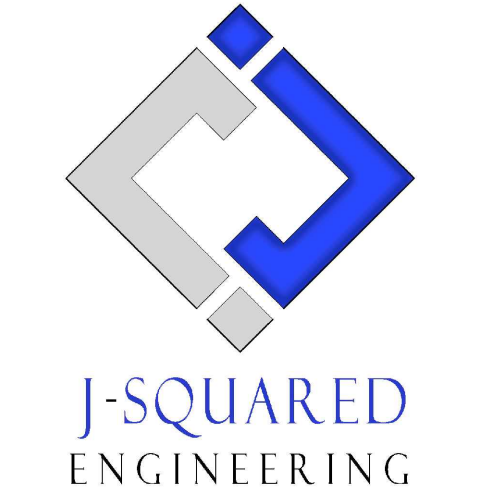
AIR DEVICE SCHEDULE						
TAG	SERVICE	MANUFACTURER (OR EQUAL)	MODEL (OR EQUAL)	SIZE	COLOR / FINISH	NOTES
L1	OA	POTTOFF	FFD	AS INDICATED	PRIMED	PAINT TO MATCH EXTERIOR
R1	RETURN	PRICE	80	AS INDICATED	WHITE	
R2	RETURN	PRICE	530	AS INDICATED	WHITE	
S1	SUPPLY	PRICE	SPD	24x24	WHITE	
S2	SUPPLY	PRICE	S20	12x6	WHITE	
NOTES: 1. VERIFY AIR DEVICE FINISHES WITH OWNER/ARCHITECT PRIOR TO INSTALLATION						



STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



July 13, 2022



OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION
DEPARTMENT OF
PUBLIC SAFETY
Missouri Army National Guard

Macon Training Site
29614 Jaguar Street
Macon, MO 63552

COMPANY HEADQUARTERS
& ADMINISTRATION BLDG.

PROJECT # T2214-01
SITE # 6319
ASSET # 8136319018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/13/2022

CAD DWG FILE: _____
DRAWN BY: PDH
CHECKED BY: ACW
DESIGNED BY: ACW

SHEET TITLE:

POWER PLAN

SHEET NUMBER:

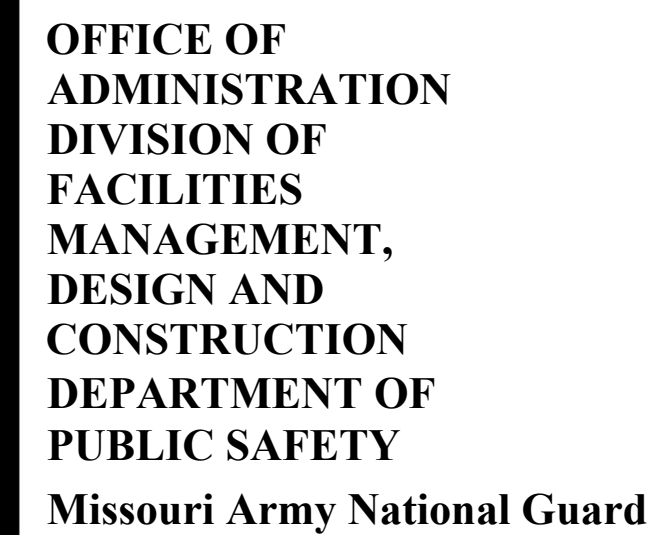
E-101

22 OF 28 SHEETS
07/13/2022



Peckham & Wright Architects, Inc., d.b.a.
PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683

Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244



PROJECT #	T2214-01
SITE #	6319
ASSET #	8136319018

E-102

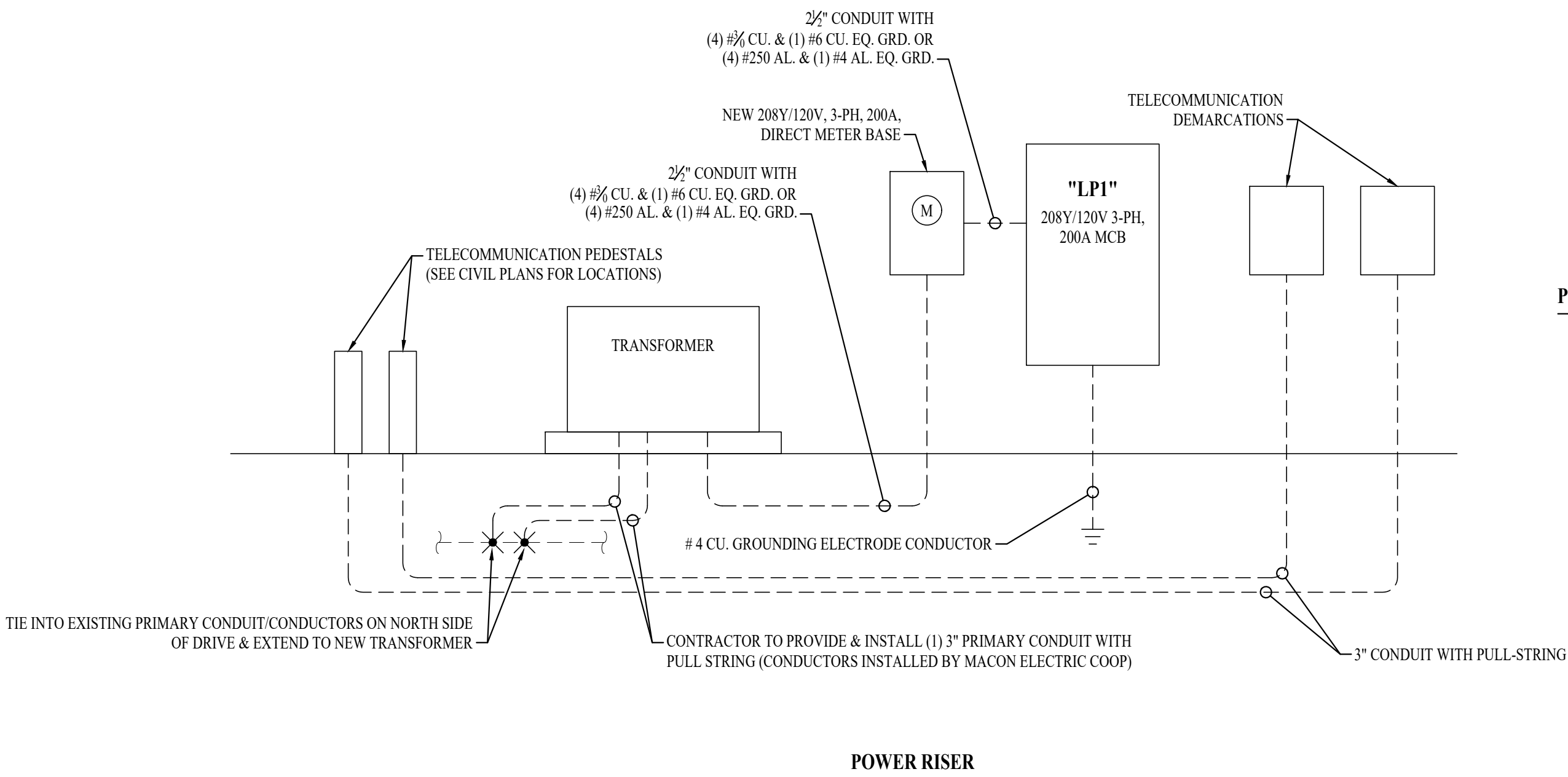
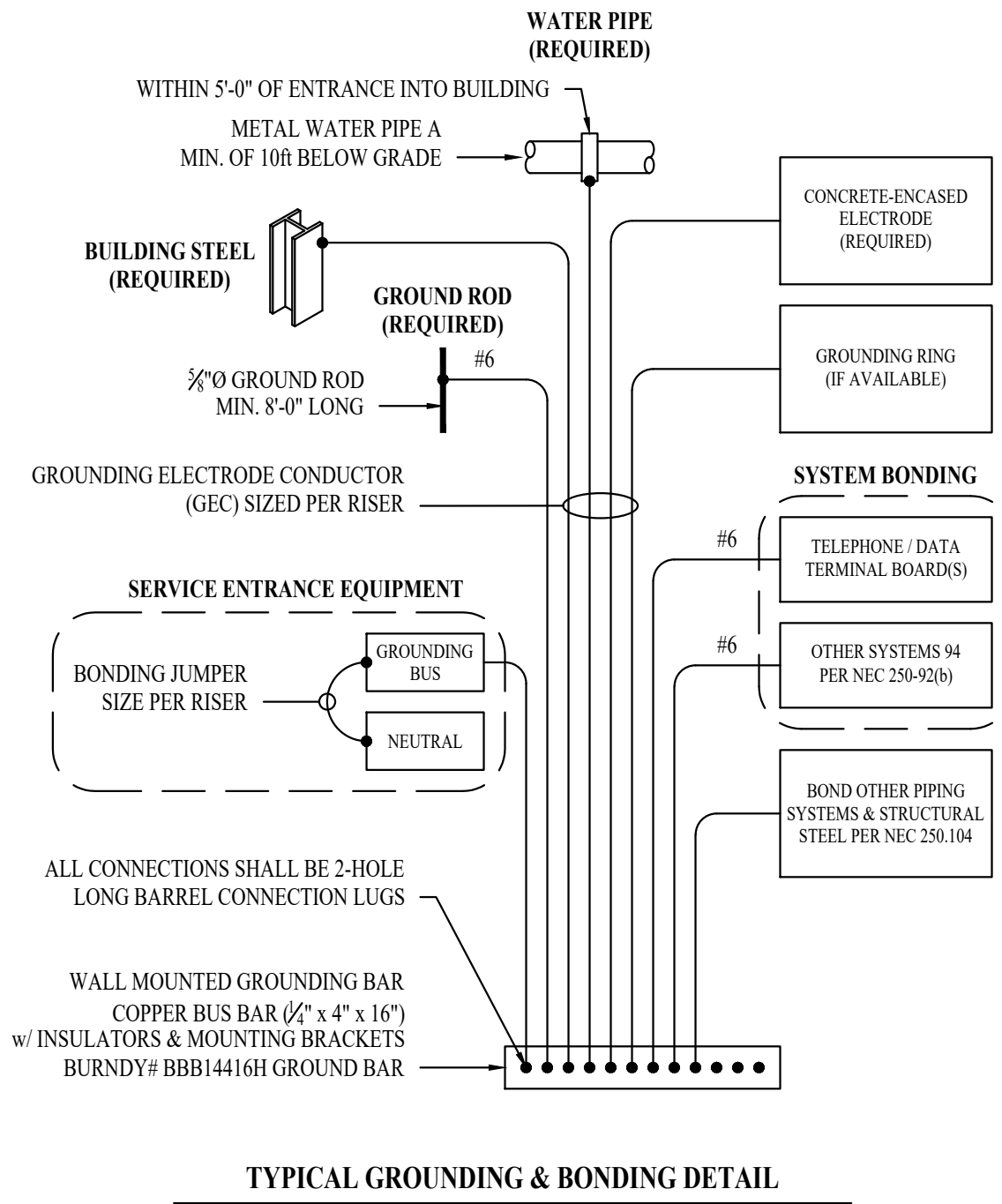
23 OF 28 SHEETS
07/13/2022



ELECTRICAL SPECIFICATIONS

1. GENERAL
- 1.1. THE ENTIRE ELECTRICAL SYSTEM SHALL BE CONTINUOUSLY GROUNDED. EVERY BRANCH CONDUIT SHALL INCLUDE A GREEN GROUND CONDUCTOR SIZED PER NEC.
- 1.2. PROVIDE PERMANENT ARC-FLASH LABEL AFFIXED TO EVERY DISCONNECT AND PANEL.
- 1.3. PROVIDE TYPE WRITTEN PANEL SCHEDULE FOR EACH PANEL.
2. MATERIALS
- 2.1. CONDUIT & CONDUCTORS
- 2.1.1. SEE PROJECT SPECIFICATIONS FOR DETAILS/REQUIREMENTS.
- 2.2. DEVICES
- 2.2.1. CONTRACTOR TO PROVIDE J-BOXES, COVER PLATES, AND ANY ACCESSORIES REQUIRED TO PROVIDE A COMPLETE SYSTEM. SEE ARCHITECTURAL PLANS FOR DEVICE COLORS.

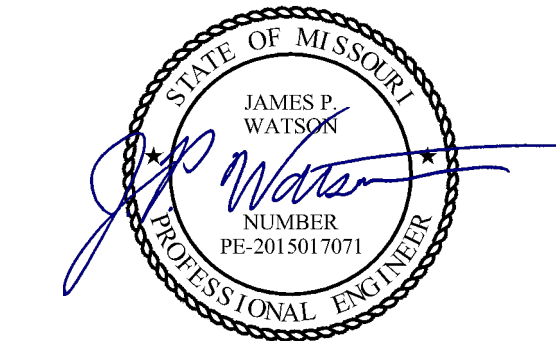
LIGHT FIXTURE SCHEDULE										
TAG	MANUFACTURER (OR EQUAL)	MODEL NUMBER (OR EQUAL)	DESCRIPTION	MOUNTING	LUMEN OUTPUT	CCT (°K)	CRI	VOLTS	WATTS	NOTES
E1	SURE-LITES	APCH7R WITH APWR2	INTERIOR EXT LIGHT WITH EXTERIOR REMOTE HEAD	CEILING	-	-	-	120	1	WITH RED LETTERS
E2	SURE LITES	APEL	EMERGENCY EGRESS LIGHT	WALL	-	-	-	120	1	MOUNT AT 8' A.F.F.
S1	METALUX	8STLED-JD5-95SL-LW-UNV-L840-CD1-U	8' LED STRIP	SUSPENDED	9785	4000	80	120	82	SUSPEND TO 10' A.F.F.
S2	METALUX	4BCLHD-JD4-40SLF-UNV-L840-CD1-U	4' WALL MOUNT LED	SURFACE / WALL	4000	4000	80	120	42	MOUNT AT 9' A.F.F.
T1	METALUX	24FP4740C	2x4 LED FLAT PANEL	ACT GRID	4990	4000	80	120	40	
WP1	LUMARK	WPMLED10B	LED WALLPACK	EXTERIOR WALL	4869	4000	80	120	38	MOUNT AT 8' A.F.F.
NOTES:										
1. VERIFY LIGHT FIXTURE FINISHES WITH OWNER / ARCHITECT PRIOR TO INSTALLATION										



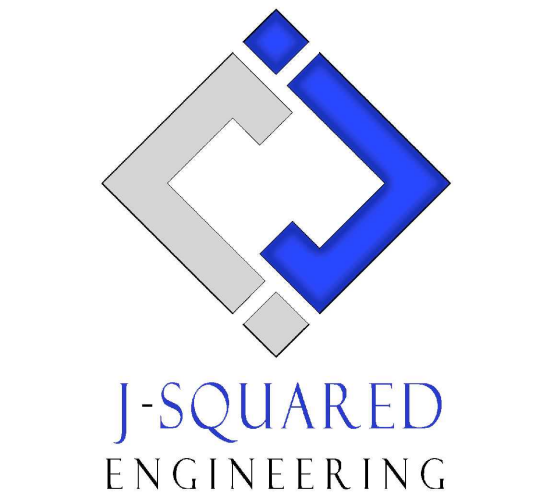
POWER RISER GENERAL NOTES:

1. COORDINATE DETAILS & REQUIREMENTS FOR ELECTRIC SERVICE WITH MACON ELECTRIC COOPERATIVE
- 1.1. POINT OF CONTACT: MICHAEL LUCAS (660) 591-5390
2. ELECTRICAL EQUIPMENT AIC RATINGS CALCULATED BASED ON THE FOLLOWING:
- 2.1. TRANSFORMER: 75kVA 3-PH; 3.50% Z; 100% PF; APPROXIMATELY WHERE SHOWN ON PLANS.
- 2.2. ELECTRICAL PANEL LOCATIONS INSTALLED APPROXIMATELY WHERE SHOWN ON PLANS.
- 2.3. ELECTRICAL CONTRACTOR TO FIELD VERIFY FINAL EQUIPMENT LOCATIONS AND PERFORM ADDITIONAL AIC RATING CALCULATIONS IF NECESSARY.
- 2.4. CONTRACTOR TO PERMANENTLY LABEL ALL SWITCHGEAR WITH CALCULATED AIC-RATINGS.
3. VERIFY MAIN DISCONNECT REQUIREMENTS WITH UTILITY PROVIDER PRIOR TO PURCHASE & INSTALLATION OF ELECTRICAL SWITCHGEAR.
4. ELECTRICAL CONTRACTOR TO PROVIDE & INSTALL TRANSFORMER PAD PER UTILITY PROVIDER SPECIFICATIONS.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



July 13, 2022



OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION
DEPARTMENT OF
PUBLIC SAFETY
Missouri Army National Guard

Macon Training Site
29614 Jaguar Street
Macon, MO 63552

COMPANY HEADQUARTERS
& ADMINISTRATION BLDG.

PROJECT # T2214-01
SITE # 6319
ASSET # 8136319018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/13/2022

CAD DWG FILE: _____
DRAWN BY: PDH
CHECKED BY: ACW
DESIGNED BY: ACW

SHEET TITLE:

ELECTRICAL
DETAILS &
SCHEDULES

SHEET NUMBER:

E-501

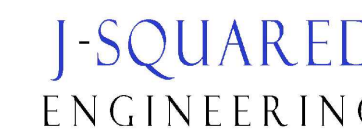
24 OF 28 SHEETS
07/13/2022

STATE OF MISSOURI
JAMES P. WATSON
NUMBER
PE-2015017071
PROFESSIONAL ENGINEER



Peckham & Wright Architects, Inc., d.b.a.
PWArchitects, Inc.
 2120 Forum Blvd., Ste. 101
 Columbia, Missouri 65203
 PWArchitects.com | 573.449.2883

Peckham & Wright Architects an Architectural Corporation
 Missouri State Certificate of Authority No. 000244



Macon Training Site
29614 Jaguar Street
Macon, MO 63552

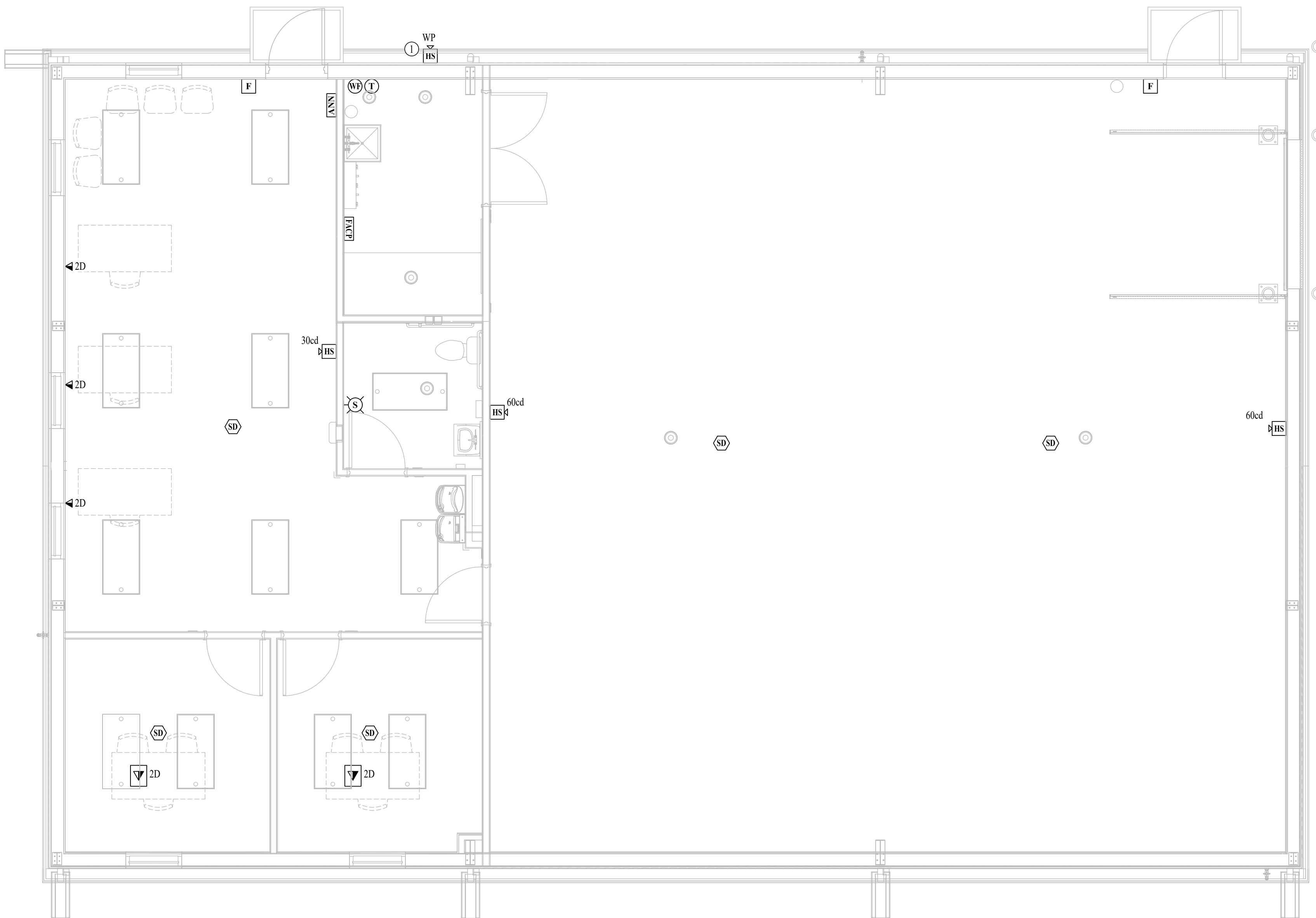
PROJECT #	T2214-01
SITE #	6319
ASSET #	8136319018

ISSUE DATE: 07/13/2022

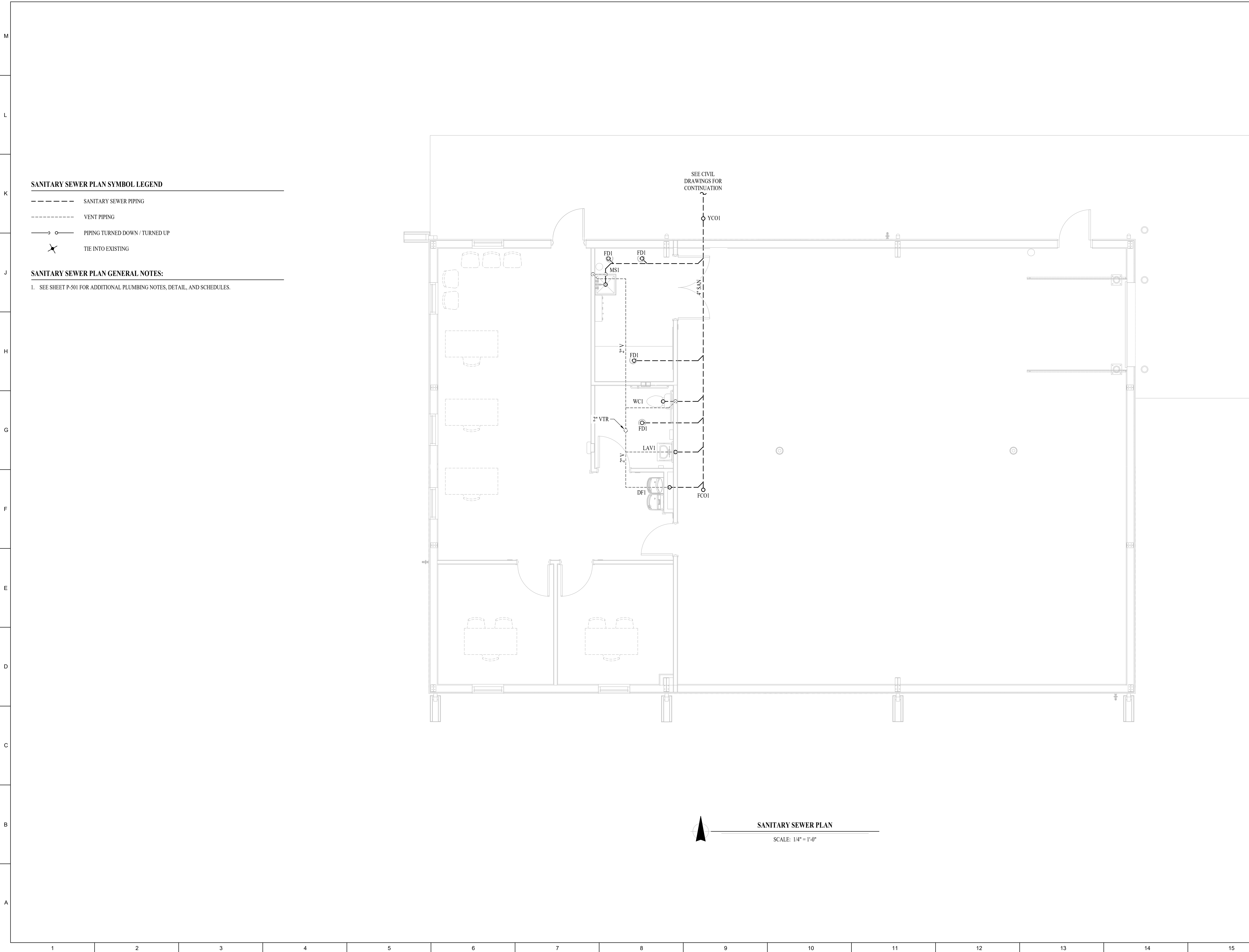
SHEET TITLE:

SHEET NUMBER

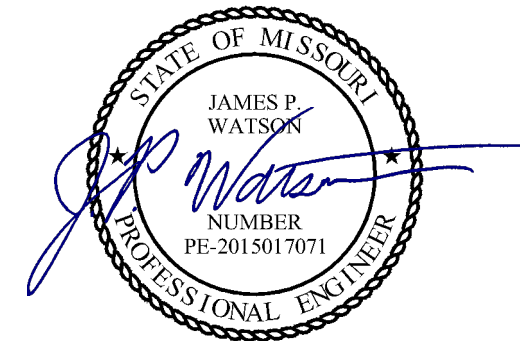
25 OF 28 SHEETS
07/13/2022



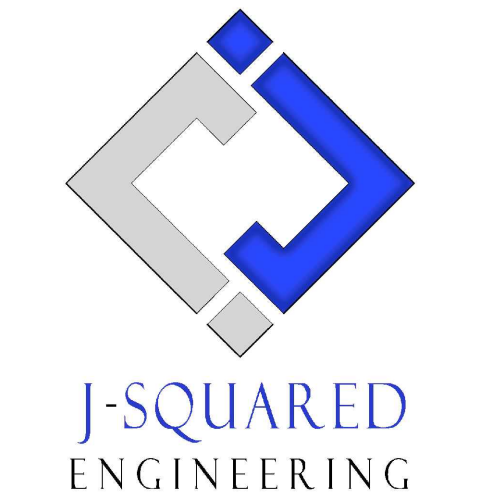
SCALE: 1/4" = 1'-0"



STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



July 13, 2022



**OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION
DEPARTMENT OF
PUBLIC SAFETY
Missouri Army National Guard**

Macon Training Site
29614 Jaguar Street
Macon, MO 63552

**COMPANY HEADQUARTERS
& ADMINISTRATION BLDG.**

PROJECT # T2214-01
SITE # 6319
ASSET # 8136319018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/13/2022

CAD DWG FILE: _____
DRAWN BY: PDH
CHECKED BY: ACW
DESIGNED BY: ACW

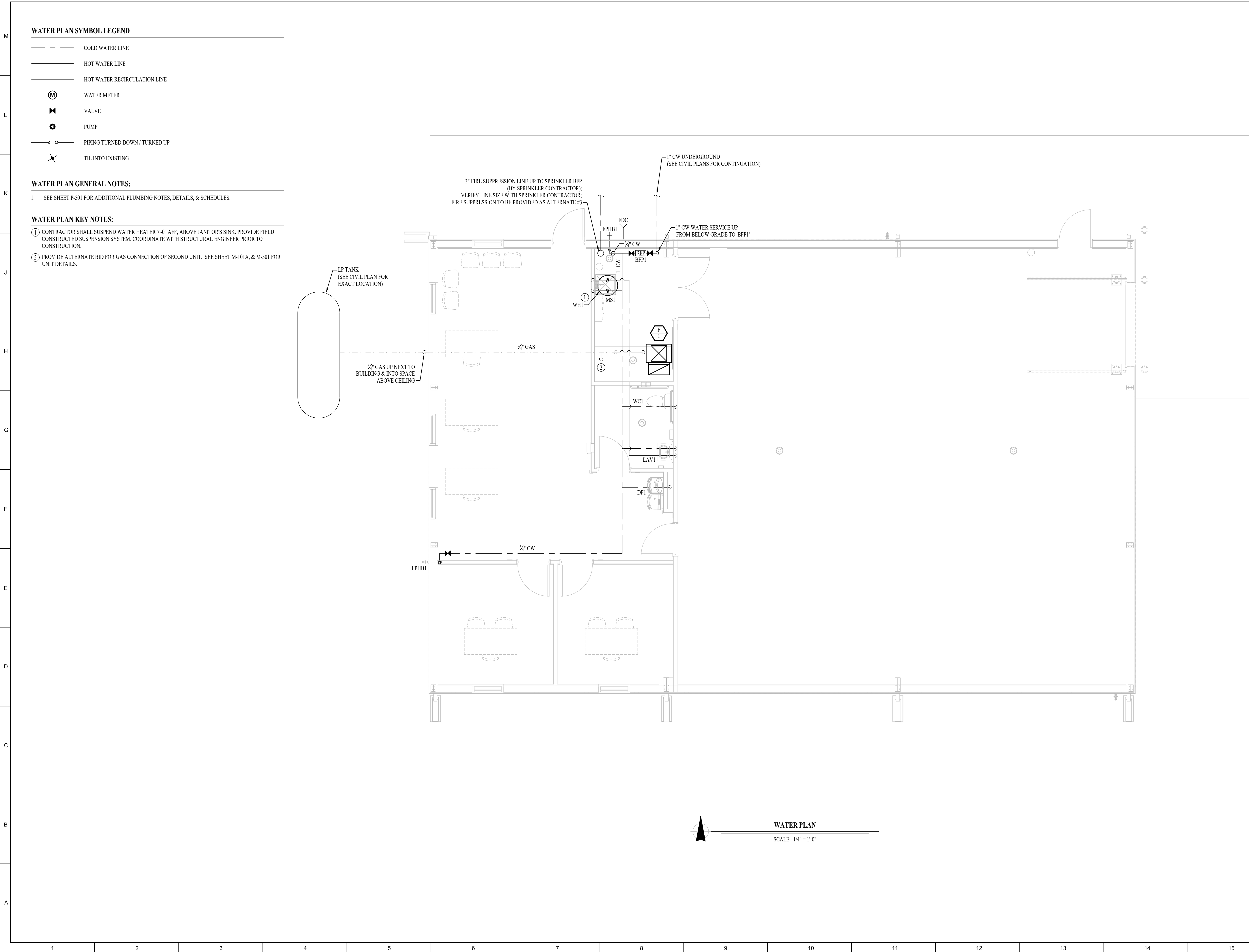
SHEET TITLE:

**SANITARY
SEWER PLAN**

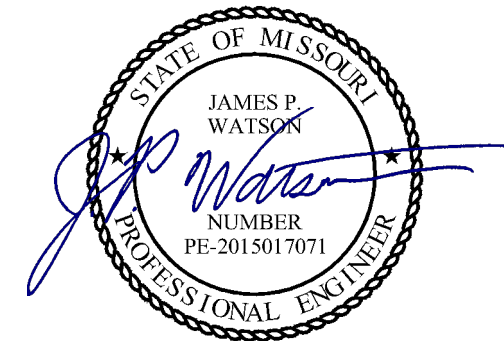
SHEET NUMBER:

P-101

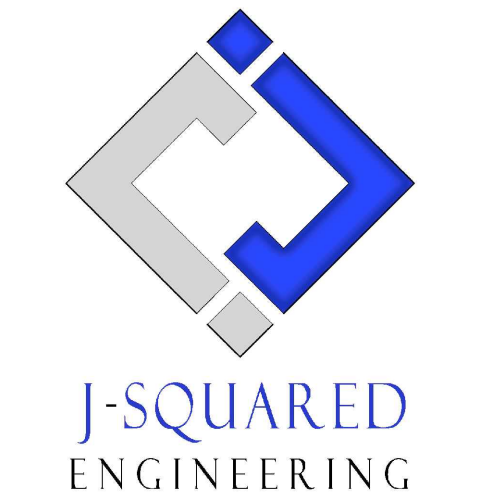
26 OF 28 SHEETS
07/13/2022



STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



July 13, 2022



OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION
DEPARTMENT OF
PUBLIC SAFETY
Missouri Army National Guard

Macon Training Site
29614 Jaguar Street
Macon, MO 63552

COMPANY HEADQUARTERS
& ADMINISTRATION BLDG.

PROJECT # T2214-01
SITE # 6319
ASSET # 8136319018

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/13/2022

CAD DWG FILE: _____
DRAWN BY: PDH
CHECKED BY: ACW
DESIGNED BY: ACW

SHEET TITLE:

WATER PLAN

SHEET NUMBER:

P-102

27 OF 28 SHEETS
07/13/2022

1. GENERAL
- 1.1. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL ESCUTCHEONS, ¼ TURN STOPS, P-TRAPS, AND SUPPLY LINES TO PROVIDE A COMPLETE SYSTEM AT EACH FIXTURE INDICATED ON PLANS UNLESS NOTED OTHERWISE.
2. SANITARY
- 2.1. NO PIPE SMALLER THAN 2" BELOW GRADE.
- 2.2. ALL VENT PIPE TERMINATIONS ARE TO BE LOCATED EITHER 10' HORIZONTALLY OR 3' ABOVE MECHANICAL AIR INTAKE LOCATIONS.
3. DOMESTIC WATER
- 3.1. PROVIDE WATER HAMMER ARRESTORS AT ALL QUICK-CLOSE VALVES. FIXTURES REQUIRING WATER HAMMER ARRESTORS INCLUDE BUT ARE NOT LIMITED TO FLUSH VALVES, SENSOR FAUCETS, AND WASHING MACHINE BOXES. AIR CHAMBERS ARE NOT ACCEPTABLE.
4. GAS PIPING
- 4.1. WHERE PIPING IS EXPOSED ON EXTERIOR FACE OF BUILDING, PAINT TO MATCH BUILDING. PAINT YELLOW IN ALL OTHER LOCATIONS.

TAG	DESCRIPTION	MANUFACTURER (OR EQUAL)	MODEL (OR EQUAL)	NOTES
BFP1	BACKFLOW PREVENTER	WILKINS	975X12	RPZ - 3/4"
DF1	HIGH / LOW DRINKING FOUNTAIN	ELKAY	EZST18WSLK	WITH BOTTLE FILLING STATION
EXP1	EXPANSION TANK	WATTS	PLT-5	
FCO1	FLOOR CLEANOUT	ZURN	1400	
FD1	FLOOR DRAIN	ZURN	Z415-BZ	WITH Z1072 TRAP SEAL
FFHB1	FROST PROOF HOSE BIB	WOODFORD	MODEL 67	
LA V1	LA VATORY (WALL HUNG W/MANUAL FAUCET)	AMERICAN STANDARD	0355.012	WITH ZURN Z81104-XL FAUCET, 1/4 TURN STOPS, BRAIDED STAINLESS STEEL SUPPLIES, TRUBRO LA V GUARD 2, & TMV1
MS1	MOP SINK	FIAT	MSB2424	WITH ZURN Z843M1 FAUCET WITH WALL HOOK
TMV1	THERMOSTATIC MIXING VALVE - POINT OF USE	WATTS	1FUSG	
WC1	WATER CLOSET - ADA HEIGHT - TANK	AMERICAN STANDARD	215A.004	WITH CHURCH 9500SSET SELF SUSTAINING SEAT, STAINLESS BRAIDED SUPPLY, AND 1/4 TURN SHUT-OFF.
WH1	WATER HEATER	RUUD	EOSP20	20 GALLON, 240V, 3000W, WITH EXP1

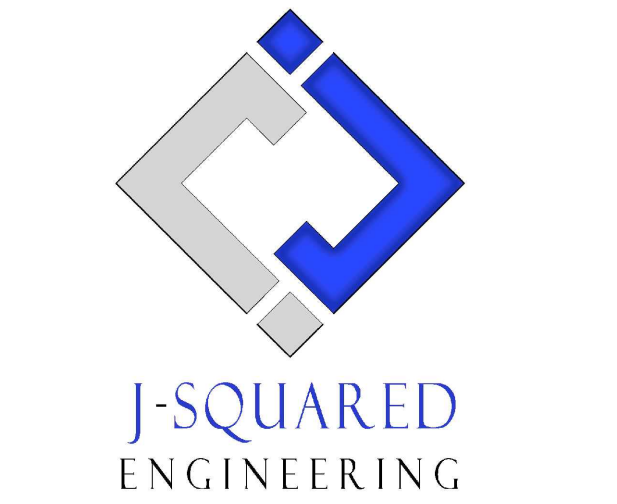
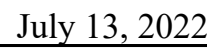
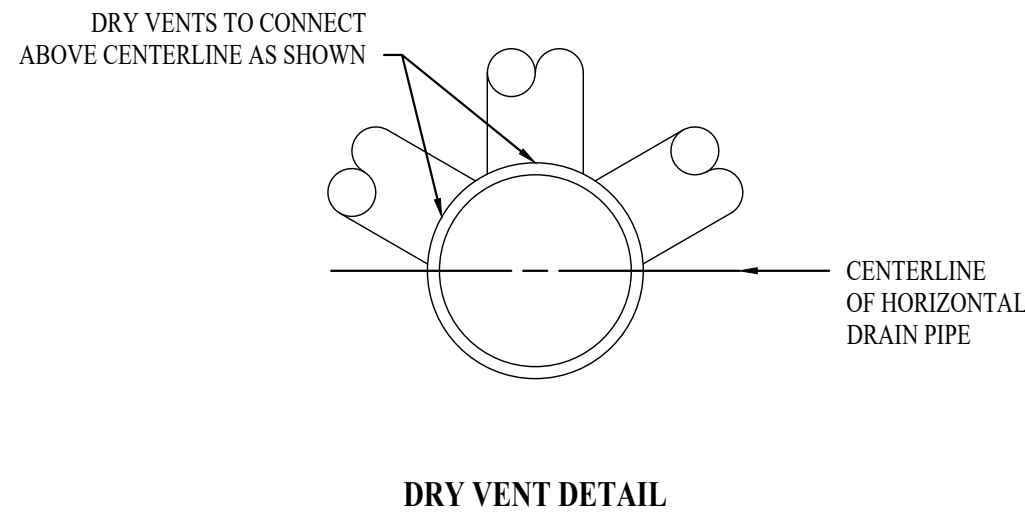
NOTES:

1. VERIFY NECESSARY FIXTURES MEET ADA REQUIREMENTS WITH ARCHITECT PRIOR TO INSTALLATION

FIXTURE		SANITARY PIPING		SUPPLY PIPING	
TYPE	TYPICAL ABBREVIATION	WASTE CONNECTION	VENT CONNECTION	COLD WATER CONNECTION	HOT WATER CONNECTION
DRINKING FOUNTAIN	DF	1-1/2"	1-1/4"	1/2"	-
FLOOR DRAIN	FD	3"	2"	-	-
HAND / HAIR SINK	HIS / SK	2"	1-1/4"	1/2"	1/2"
HOSE BIBB	HB	-	-	3/4"	-
LA VATORY	LA V	1-1/2"	1-1/4"	1/2"	1/2"
MOP SINK	MS	3"	1-1/2"	1/2"	1/2"
ICE MAKER OUTLET BOX	REF	-	-	1/2"	-
SHOWER	SH	3"	1-1/2"	1/2"	1/2"
URNAL	UR	2"	1-1/4"	3/4"	-
WATER CLOSET (FLUSH TANK)	WC	3"	2"	1/2"	-
WATER CLOSET (FLUSH VALVE)	WC	3"	2"	1"	-

NOTES:

1. SIZES SHOWN ABOVE ARE TYPICAL UNLESS NOTED OTHERWISE ON PLANS



Macon Training Site
29614 Jaguar Street
Macon, MO 63552

PROJECT #	T2214-01
SITE #	6319
ASSET #	8136319018

CAD DWG FILE: _____
 DRAWN BY: PDH _____
 CHECKED BY: ACW _____
 DESIGNED BY: ACW _____

PLUMBING DETAILS & SCHEDULES

P-501