

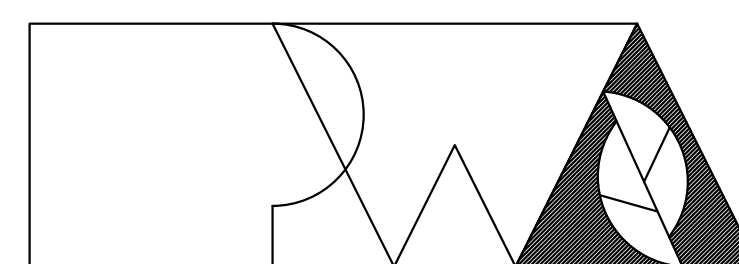
FIRE STATION EXPANSION

MISSOURI STATE FAIRGROUNDS SEDALIA, MISSOURI

OWNER: STATE OF MISSOURI
MIKE KEHOE GOVERNOR

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

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



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

PWArchitects, Inc.

2120 Forum Blvd., Ste 101
Columbia, Missouri 65203

Ph:(573) 449-2683

Fax:(573) 442-6213

DESIGNER: PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203

PROJECT NUMBER: F2405-01

SITE NUMBER: **1501**
ASSET NUMBER: **3511501027**

INDEX OF DRAWINGS

NO. SHEET SHEET TITLE

GENERAL
1 G-001 COVER SHEET, INDEX OF DRAWINGS & LOCATION MAP
2 G-002 CODE AND EGRESS PLAN

CIVIL

3 C-100 - CIVIL COVER SHEET
4 C-101 - CIVIL PROJECT SPECIFICATIONS
5 C-102 - DEMOLITION PLAN
6 C-103 - EROSION CONTROL PLAN
7 C-104 - GRADING PLAN
8 C-105 - UTILITY PLAN
9 C-106 - STORM SEWER PROFILE - LINES 1 & 2
10 C-107 - SANITARY SEWER PROFILE - LINE 1
11 C-108 - SITE PLAN
12 C-109 - PAVEMENT DETAILS

STRUCTURAL

13 S-100 COVER / GENERAL STRUCTURAL DATA
14 S-200 FOUNDATION PLAN
15 S-210 FOUNDATION DETAILS
16 S-300 ROOF FRAMING PLAN
17 S-300A SHEAR WALL PLAN
18 S-310 ROOF FRAMING DETAILS
19 S-311 ROOF FRAMING DETAILS
20 S-312 ROOF FRAMING DETAILS

ARCHITECTURAL

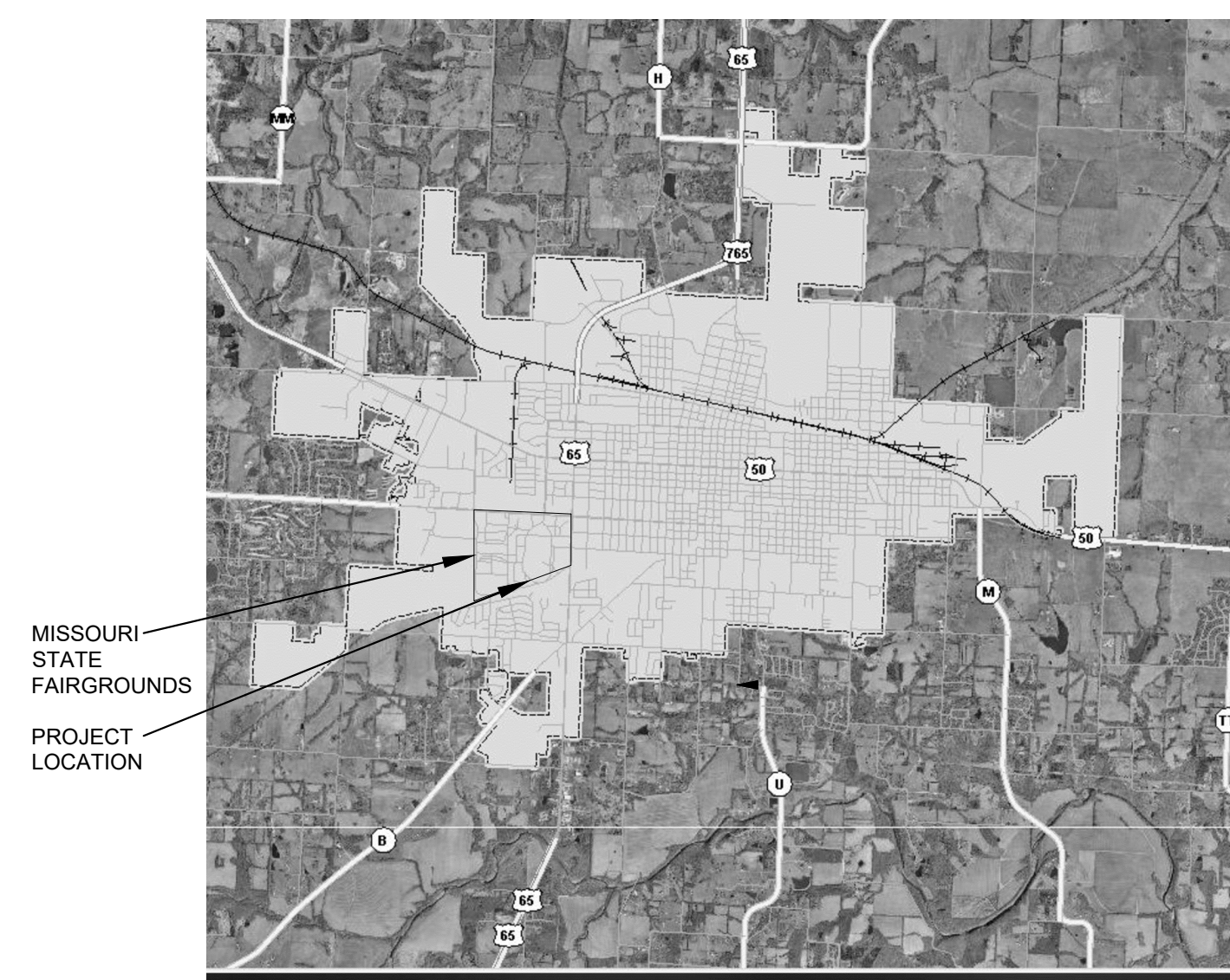
21 A-001 SYMBOLS, ABBREVIATIONS & NOTES
22 A-100 ARCHITECTURAL SITE PLAN
23 A-101 FIRST FLOOR PLANS
24 A-102 SECOND FLOOR PLANS
25 A-103 REFLECTED CEILING PLANS
26 A-104 ROOF PLAN AND DETAILS
27 A-105 FINISH PLAN AND SCHEDULE
28 A-201 EXTERIOR ELEVATIONS
29 A-202 INTERIOR ELEVATIONS
30 A-203 INTERIOR ELEVATIONS
31 A-301 BUILDING SECTIONS AND DETAILS
32 A-302 WALL SECTIONS AND DETAILS
33 A-601 DOOR & WINDOW SCHEDULES & DETAILS
34 A-602 DOOR & WINDOW DETAILS

MEP

35 MEP101 MEP GENERAL DETAILS
36 MEP102 SITE UTILITIES PLAN
37 MEP103 TEMPORARY ELECTRIC PLAN
38 MEP104 ROOF PLAN
39 M101 HVAC PLAN
40 M501 HVAC DETAILS
41 M601 HVAC SCHEDULES
42 M602 HVAC KITCHEN VENTILATION DETAILS 1
43 M603 HVAC KITCHEN VENTILATION DETAILS 2
44 M604 HVAC KITCHEN VENTILATION DETAILS 3
45 E101 POWER PLAN
46 E102 LIGHTING PLAN
47 E501 ELECTRICAL DETAILS & SCHEDULES 1
48 E502 ELECTRICAL DETAILS & SCHEDULES 2
49 E503 ELECTRICAL DETAILS & SCHEDULES 3
50 F101 FIRE ALARM PLAN
51 F102 FIRE SPRINKLER PLAN
52 P101 SANITARY SEWER PLAN
53 P102 WATER & GAS PLAN
54 P501 PLUMBING DETAILS
55 P601 PLUMBING SCHEDULES



LOCATION MAP



VICINITY MAP

SHEET NUMBER:

G-001

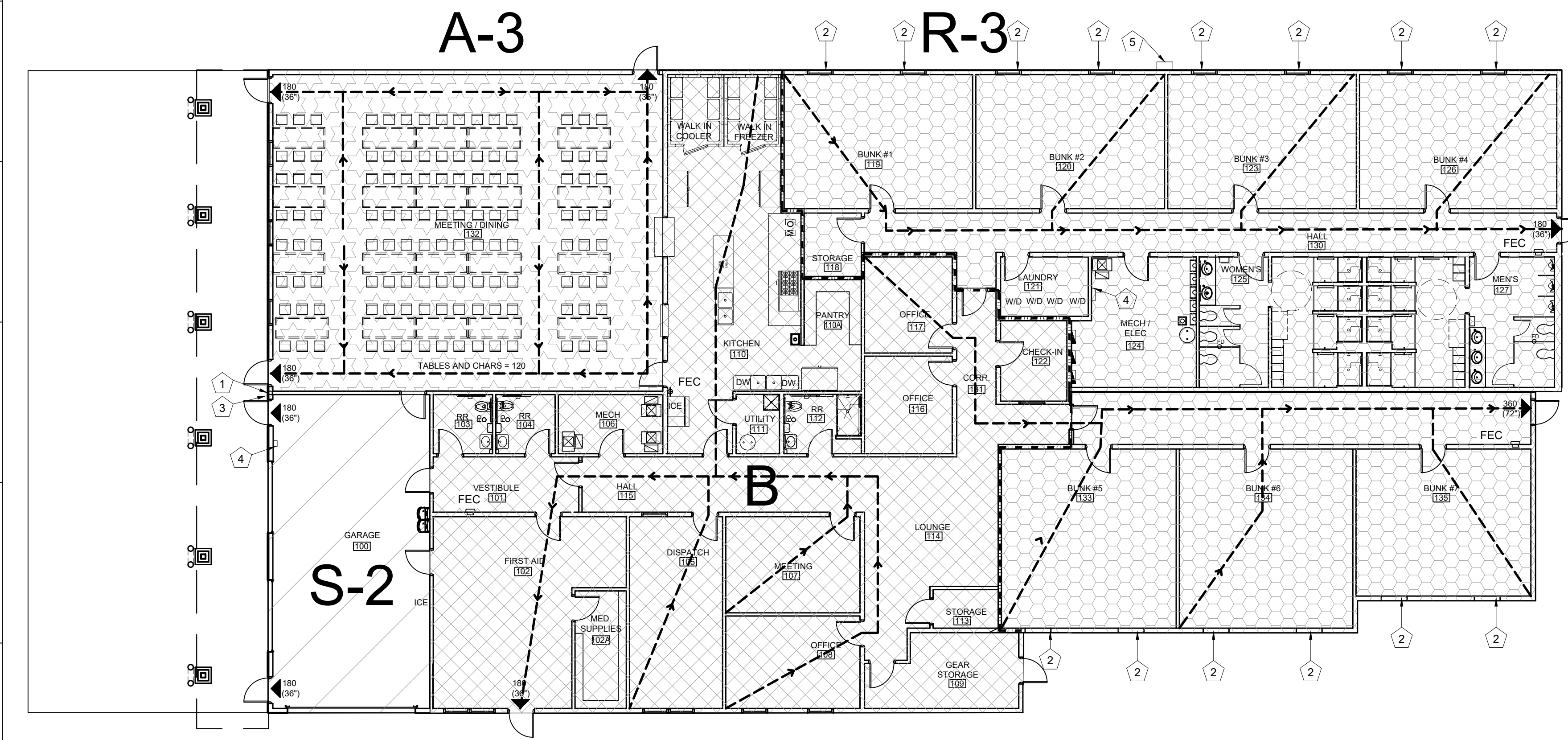
1 OF 55 SHEETS
September 19, 2025

LEGEND: LIFE SAFETY PLANS

- 00 EGRESS CAPACITY
- (x"x") EGRESS WIDTH (IN INCHES)
- ▼ EGRESS DIRECTION
- TRAVEL DISTANCE
- FEC FIRE EXTINGUISHER CABINET
2A:10B:C
(SEMI-RECESSED)
- FE KITCHEN FIRE EXTINGUISHER ON
WALL-MOUNT BRACKET WC
(K-Type), 2.5 Gallon
- LINE OF 1-HOUR FIRE RATED
WALL AND/OR PROTECTED
OPENINGS
- AREA OF 1-HOUR FIRE RATED
CEILING ASSEMBLY AND/OR
PROTECTED OPENINGS

G101 SCOPE-OF-WORK NOTES

- 1 KNOX BOX - MODEL 3274, SURFACE-MOUNT, HINGED DOOR, DARK BRONZE MOUNT @ 60" AFF - VERIFY MOUNTING HEIGHT WITH FIRE DEPT.
- 2 EGRESS WINDOW (EMERGENCY ESCAPE & RESCUE OPENING PER IBC-2018 1030.2)
- 3 FIRE DEPARTMENT CONNECTION
- 4 FIRE ALARM PANEL
- 5 EMERGENCY GENERATOR CONNECTION

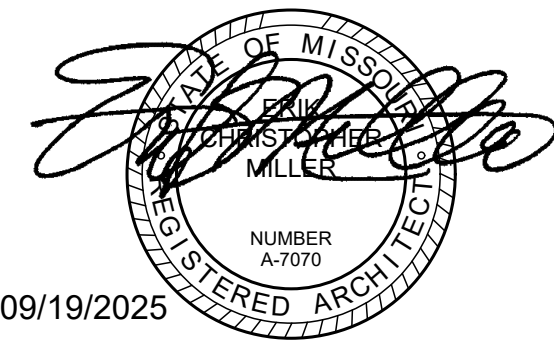


1ST FLOOR CODE PLAN
SCALE: 3/32" = 1'-0"

Code Summary		
Code Requirement		2018 International Building Code
Main Use Group(s)	303	Assembly A
	304:	Business B;
	310:	Residential R-3;
	311	Storage S-2
- Mixed-use, Non-separated	508.3	
Automatic Sprinklers	903.2	Yes
Minimum Construction Classification	602	5B
Floor Area (Tenant Infill)		
- Area (Square Feet) per Floor Permitted - 'B' use	T. 506.2 (S1)	36,000 SF
- Area (Square Feet) per Floor Permitted - 'R-3' use		UL
- Area (Square Feet) per Floor Permitted - 'S-2' use		54,000 SF
- Area (Square Feet) per First Floor Proposed		
- 'B' use		4,105 SF
- 'R-3' use		5,269 SF
- 'S-2' use		797 SF
- 'A-3' use		1,966 SF
Total Proposed Floor Area:		12,137 SF
Maximum Height		
- Max. Height (Ft.) Permitted - 'B' use	T. 504.3	60'-0"
- Max. Height (Ft.) Permitted - 'R-3' use		60'-0"
- Max. Height (Ft.) Permitted - 'S-2' use		60'-0"
- Max. Height (Ft.) Proposed		28'-0"
Travel Distance		
- 'B' use	T. 1017.2	
- 'S-2' use		300'-0" Maximum (Sprinkled)
- 'R-3' use		400'-0" Maximum (Sprinkled)
		250'-0" Maximum (Sprinkled)
Dead End		
- 'B' and 'S-2' use	1020.4, exc. 2	50'-0" Maximum (Sprinkled)
- 'R-3' use	1020.4	20'-0" Maximum
Emergency Escape and Rescue		
	1030.2	(1) per sleeping room; 20-inches wide, 24-inches high; 5.0 SF (at grade).
Total No. of Occupants		
- 'B' use		29
- 'R-3' use		106
- 'S-2' use (garage / storage)		22
- 'A-3' use (assembly)		120
Total Occupants		277
Occupant Load Factors		
- Business	T. 1004.5	150 sq. ft./person (gross)
- Residential		200 sq. ft./person (gross)
- Garage		200 sq. ft./person (gross)
- Storage / Mechanical (Mezzanine)		300 sq. ft./person (gross)

Plumbing Calculations - FIRE STATION						
PLUMBING FIXTURE CALCULATIONS - BASED ON 277 OCCUPANTS / 139 EACH GENDER (CALCULATED IN ACCORDANCE WITH I.B.C.)						
FIXTURE TYPE	FIXTURES REQUIRED (PER IPC T403.1 & IBC T2902.1)			FIXTURES PROVIDED		
	WOMEN	MEN	UNISEX	WOMEN	MEN	UNISEX
WATER CLOSETS	1 PER 75 = 2	1 PER 75 = 2	-	-	-	11
URINALS	-	(50% MAX) = 2	-	-	2	0
LAVATORIES	1 per 40 for the first 80 and 1 per 80 for the remainder exceeding 80 = 4	1 per 40 for the first 80 and 1 per 80 for the remainder exceeding 80 = 4	3	2	3	3
DRINKING FOUNTAINS	-	-	(1 PER 200) = 2	-	-	2
BATHTUBS / SHOWERS	-	-	1 REQ.	4	4	-
SERVICE SINKS	-	-	1	-	-	2
HAND SINKS	-	-	-	-	-	1
NOTES: 1. UNISEX FACILITIES ARE ASSUMED TO BE SPLIT 50/50 GENDER COUNTS. 2. URINALS MAY NOT SUBSTITUTE FOR MORE THAN 67% OF THE REQUIRED WATER CLOSETS IN ASSEMBLY AND EDUCATION OCCUPANCIES, AND NOT MORE THAN 50% OF THE REQUIRED WATER CLOSETS IN ALL OTHER OCCUPANCIES. 3. ACCESSORY SPACES ARE NOT ASSIGNED OCCUPANTS FOR PLUMBING COUNT. 4. HIGH-LOW DRINKING FOUNTAINS ARE COUNTED AS 2 (TWO) DRINKING FOUNTAINS.						

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR



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

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
ASSET # 3511501027
PWA # 202011.13

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/19/2025

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

SHEET TITLE:
**CODE AND
EGRESS PLAN**

SHEET NUMBER:
G-002

2 OF 56 SHEETS
September 19, 2025

MISSOURI STATE FAIRGROUNDS - FIRE STATION EXPANSION

SEDALIA, PETTIS COUNTY, MISSOURI

PROJECT BENCHMARK:

TM #1 - CHISELED SQUARE AT THE SOUTHWEST CORNER OF THE EXISTING ANTENNA PAD LOCATED AT THE WEST SIDE OF THE FIRE STATION ELEVATION = 881.31'

FLOOD PLAIN STATEMENT:

NO PART OF THIS TRACT IS LOCATED WITHIN THE 100-YEAR FLOODPLAIN AS PER THE CITY OF SEDALIA FIRM MAP #2902830001C DATED 01/05/1996.

UTILITY COMPANIES:

LOCATES:

MISSOURI ONE CALL INC.
1022 B NORTHEAST DRIVE
JEFFERSON CITY, MO 65109
1-800-344-7483



TELEPHONE:

CHARTER COMMUNICATIONS
210 W. 7TH STREET
SEDALIA, MO 65301
866-874-2398

NATURAL GAS:

LIBERTY UTILITIES
602 S JOPLIN AVE
JOPLIN, MO 64801
1-800-424-0427

CABLE TELEVISION:

AT&T
5903 E. RED BRIDGE ROAD
KANSAS CITY, MO 64134
877-219-3898

WATER:

SEDALIA WATER DEPARTMENT
111 WEST 4TH STREET
SEDALIA, MO 65301
660-826-1234

SANITARY SEWER:

CITY OF SEDALIA
200 SOUTH OSAGE AVE.
SEDALIA, MO 65301
660-827-3000

ELECTRIC:

MISSOURI STATE FAIRGROUNDS CONTRACTOR
660-530-5617

PRIVATE UTILITIES

PRIVATE UTILITIES PROVIDED BY
MISSOURI STATE FAIR
2503 W. 16TH STREET
SEDALIA, MO 65301
660-530-5606

REVISION KEY			C-100	C-101	C-102	C-103	C-104	C-105	C-106	C-107	C-108	C-109
REV #	DATE	COMMENTS										
---	09-19-2025	100% CD	X	X	X	X	X	X	X	X	X	X

GENERAL NOTES:

ALL STREET, STORM DRAIN, WATER AND SANITARY SEWER CONSTRUCTION TO BE IN ACCORDANCE WITH THE CITY OF SEDALIA AND MISSOURI STATE FAIRGROUND'S GUIDANCE AND SPECIFICATIONS.

CONTRACTOR WILL BE RESPONSIBLE FOR PLACEMENT AND MAINTENANCE OF TRAFFIC CONTROL DEVICES NECESSARY TO COMPLETE THEIR PORTION OF WORK. THE DEVICES AND METHODS EMPLOYED WILL COMPLY WITH THE CURRENT VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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 G251208 DATED JULY 29TH, 2025 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 MO/DNR CLEAN WATER COMMISSION.

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

CONTRACTOR TO FINE-GRADE, SEED, AND MULCH ALL DISTURBED AREAS WITHIN THE LIMITS OF DISTURBANCE.

ALL SERVICE LATERALS SHALL BE INSTALLED AT 1.0% (MIN.) GRADE.

ALL EXCAVATION WITHIN 10' OF THE STREET PAVEMENT SHALL BE BACKFILLED WITH GRANULAR MATERIAL. REFER TO PIPE EMBEDMENT DETAILS.

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.

LAND DISTURBANCE SITES SHOULD BE INSPECTED ON A REGULAR SCHEDULE AND WITHIN A REASONABLE TIME PERIOD (NOT TO EXCEED 48 HOURS) FOLLOWING HEAVY RAINS. REGULARLY SCHEDULED INSPECTIONS SHALL BE AT A MINIMUM OF ONCE PER WEEK. ANY DEFICIENCIES SHALL BE NOTED IN A WEEKLY REPORT OF THE INSPECTION AND CORRECTED WITHIN SEVEN CALENDAR DAYS OF THE REPORT.

ALL UTILITY LINES SHALL BE BACKFILLED W/ GRANULAR AND COMPACTED EARTH BACKFILL.

ESTIMATED AREA OF DISTURBANCE IS 0.90 ACRES.

MISSOURI DNR LAND DISTURBANCE PERMIT AND PROJECT SWPPP NOT REQUIRED.

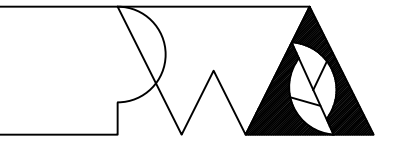
LEGEND OF SYMBOLS:

----	EXISTING CURB	FF-XXXX	FINISH FLOOR OF STRUCTURE
=====	PROPOSED CURB	XXXXXX TC	PROPOSED TOP OF CURB ELEVATION
	RIP RAP	XXXXXX TP	PROPOSED TOP OF PAVEMENT ELEVATION
[]	EXISTING STRUCTURE	XXXXXX FG	PROPOSED FINISH GRADE ELEVATION
~~~~~	EXISTING TREELINE	XXXXXX TW	PROPOSED TOP OF WALL
~~~~~	PROPOSED TREELINE	XX	LOT NUMBER
—o—o—	EDGE OF WATERWAY	X	STORM SEWER STRUCTURE LABEL
--- W ---	EXISTING WATERLINE	X	SANITARY SEWER STRUCTURE LABEL
--- W ---	PROPOSED WATERLINE	HP.	HIGH POINT
--- G ---	EXISTING GAS LINE	LP.	LOW POINT
--- G ---	PROPOSED GAS LINE	EXISTING SIGNS	
--- UT ---	EXISTING UNDERGROUND TELEPHONE	EXISTING POWER POLE	
--- UTV ---	EXISTING UNDERGROUND CABLE TELEVISION	EXISTING GAS VALVE	
--- HVE ---	EXISTING HIGH VOLTAGE ELECTRIC	EXISTING WATER VALVE	
--- OE ---	EXISTING OVERHEAD ELECTRIC	EXISTING GAS METER	
--- UE ---	EXISTING UNDERGROUND ELECTRIC	EXISTING WATER METER	
--- OEV ---	EXISTING OVERHEAD ELEC. & TV	EXISTING FIRE HYDRANT	
--- OEVTV ---	EXISTING OVERHEAD ELECTRIC, TV & TELE.	MANHOLE	
--- S ---	EXISTING SANITARY SEWER	EXISTING SANITARY SEWER LATERAL	
--- S ---	PROPOSED SANITARY SEWER	PROPOSED SANITARY SEWER LATERAL	
--- XXX ---	EXISTING MINOR CONTOUR	PROPOSED TRACER WIRE TEST STATION BOX	
--- XXX ---	EXISTING MAJOR CONTOUR	EXISTING AIR CONDITIONER	
--- XXX ---	PROPOSED MINOR CONTOUR	EXISTING TELEPHONE PEDESTAL	
--- XXX ---	PROPOSED MAJOR CONTOUR	EXISTING ELECTRICAL TRANSFORMER	
TTTTTTTT	100 YEAR FLOOD PLAIN	EXISTING ELECTRIC METER	
TTTTTTTT	FLOODWAY	EXISTING LIGHT POLE	
=====	ORDINARY HIGH WATER MARK	EXISTING GUY WIRE	
=====	STREAM SIDE BUFFER		
=====	OUTER STREAM BUFFER		
> > >	SWALE		

STATE OF MISSOURI
MICHAEL KEHOE
GOVERNOR



KYLE R. MILLER
MO LICENSE-2017019013



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

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

PREPARED BY:



1000 W. Nilong 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

NEW FIRE STATION

MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
CEC # 240158

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: 240158
DRAWN BY: KRM
CHECKED BY: KRM
DESIGNED BY: KRM

SHEET TITLE:

CIVIL PLAN
COVER SHEET

SHEET NUMBER:

C-100

3 OF 55 SHEETS
September 19, 2025

SITE CLEARING & DEMOLITION:

IT IS THE INTENT THAT THE DEMOLITION BE COMPLETE AND ADEQUATE FOR THE INTENDED PURPOSE. THIS WORK SHALL INCLUDE THE REMOVAL OF ALL ITEMS, WHETHER IN VIEW OR HIDDEN UNDERNEATH THE SURFACE OF THE GROUND, REGARDLESS OF WHETHER SHOWN ON THE DRAWINGS OR ENCOUNTERED DURING CONSTRUCTION.

CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS REGARDING MATERIALS, METHODS OF WORK, AND DISPOSAL OF EXCESS WASTE MATERIALS.

ERECT BARRIERS TO PROTECT PERSONNEL, STRUCTURES AND UTILITIES REMAINING INTACT.

PROTECT ALL EXISTING OBJECTS INTENDED TO REMAIN. IN CASE OF DAMAGE, MAKE REPAIRS OR REPLACEMENTS NECESSARY AT NO ADDITIONAL COST TO THE OWNER.

MINIMIZE INTERFERENCE WITH ROADS, STREETS, DRIVEWAYS, SIDEWALKS, AND ADJACENT FACILITIES.

DO NOT CLOSE OR OBSTRUCT STREETS, SIDEWALKS, ALLEYS OR PASSAGEWAYS WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION.

IF CLOSURE IS PERMITTED, PROVIDE SIGNAGE INDICATING CLOSURE AND SIGNAGE TO DIRECT TRAFFIC TO ALTERNATE ROUTE.

MOISTEN SURFACES AS REQUIRED TO PREVENT DUST FROM BEING A NUISANCE TO THE PUBLIC, NEIGHBORS, AND CONCURRENT PERFORMANCE OF OTHER WORK ON THE SITE.

PROVIDE THE OWNER'S REPRESENTATIVE A MINIMUM OF TWO BUSINESS DAYS' NOTICE PRIOR TO COMMENCING WORK OF THIS SECTION.

THE CONTRACTOR SHALL LOCATE EXISTING UTILITY LINES AND SERVICES TRaversING THE SITE AND DETERMINE THE REQUIREMENTS FOR THEIR PROTECTION. THE CONTRACTOR SHALL PRESERVE ACTIVE UTILITIES ON THE SITE THAT ARE DESIGNATED TO REMAIN.

BEFORE STARTING SITE OPERATIONS, THE CONTRACTOR SHALL DISCONNECT OR ARRANGE FOR THE DISCONNECTION OF ALL UTILITY SERVICES DESIGNATED TO BE REMOVED. THE CONTRACTOR SHALL PERFORM ALL SUCH WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY COMPANY OR AGENCY INVOLVED.

IN REMOVING PAVEMENT, CURB AND GUTTER, SIDEWALKS, ETC., WHERE A PORTION IS LEFT IN PLACE, REMOVAL SHALL BE TO AN EXISTING JOINT OR TO A JOINT SAWED TO A MINIMUM DEPTH OF 2" WITH A TRUE SAW LINE AND A VERTICAL FACE. REMOVE SUFFICIENT PAVEMENT TO PROVIDE FOR PROPER GRADE AND CONNECTIONS IN THE NEW WORK REGARDLESS OF ANY LIMITS INDICATED ON THE DRAWING.

EXISTING CASTINGS AND CONCRETE, IF SALVAGEABLE AND REMOVED INTACT, REMAIN THE PROPERTY OF THE CONTRACTOR.

ALL SEWERS AND DRAINAGE PIPES, WHICH HAVE BEEN OR ARE TO BE ABANDONED, SHALL BE PERMANENTLY SEALED AT THE ENDS WITH BULKHEADS CONSTRUCTED OF CONCRETE, HAVING A MINIMUM THICKNESS OF 8".

ABANDON STORM OR SANITARY SEWER STRUCTURES BY BREAKING THE CONCRETE BOTTOM OF THE STRUCTURE INTO PIECES NO LARGER THAN 12" IN ANY DIRECTION AND REMOVING THE TOP OF THE STRUCTURE TO 3" BELOW FINISHED GRADE. PLUG ALL PIPES WITH CONCRETE AND FILL STRUCTURE WITH 1" CLEAN GRAVEL.

ALL DEBRIS SHALL BE DISPOSED OF OFF-SITE.

DO NOT STORE OR BURN MATERIALS ON-SITE UNLESS PERMITTED BY THE GOVERNING JURISDICTION.

ALL ASPHALT OR CONCRETE MATERIALS SHALL BE DISPOSED OF OFF-SITE.

MATERIAL ACQUIRED THROUGH DEMOLITION, OTHER THAN THOSE REQUIRED TO COMPLETE THE CONSTRUCTION PROJECT AND DESIGNATED FOR RETURN TO OWNER, WILL BECOME THE PROPERTY OF THE CONTRACTOR AND WILL BE REMOVED FROM THE SITE. THE MATERIAL WILL BE DISPOSED OF IN A LEGAL MANNER.

THE CONTRACTOR'S OPERATIONS SHALL BE RESTRICTED TO THOSE AREAS INSIDE THE CONSTRUCTION LIMITS INDICATED ON THE DRAWINGS. IF LIMITS ARE NOT INDICATED, RESTRICT WORK TO THE OWNER'S PROPERTY, EASEMENT, OR PUBLIC RIGHTS-OF-WAY.

COMPLETE WORK WITHIN PUBLIC RIGHTS-OF-WAY UNDER THE PERMISSION OF THE GOVERNING AGENCY.

IF ITEMS OUTSIDE THE LIMITS OF DISTURBANCE GET DAMAGED, OWNER COMPLETES THE REQUIRED REPAIRS AND CHARGES THE CONTRACTOR.

THE CONTRACTOR IS RESPONSIBLE FOR THE ADJUSTMENT OF ALL MANHOLES, CASTINGS, WATER VALVES IRRIGATION BOXES, CLEAN OUTS AND ETC. WITHIN THE GRADING LIMITS TO MATCH THE FINISHED SURFACE. ADJUSTMENTS SHALL BE COORDINATED WITH THE UTILITY COMPANIES AND THE COST FOR ALL ADJUSTMENTS SHALL BE INCIDENTAL TO CONSTRUCTION UNLESS NOTED AS A BID ITEM. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO UTILITY STRUCTURES AND APPURTENANCES THAT OCCURS DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.

EARTHMOVING:

CONTRACTOR TO SUBMIT MANUFACTURER'S PRODUCT DATA AND INSTALLATION INSTRUCTIONS FOR EACH MATERIAL AND PRODUCT USED.

TEST REPORTS: SUBMIT FOR APPROVAL TEST REPORTS, LIST OF MATERIALS AND GRADATIONS PROPOSED FOR USE. OBTAIN SAMPLES OF ANY PROPOSED FILL MATERIAL AND CONTRACTOR TO PROVIDE STANDARD PROCTOR TEST REPORTS TO ENGINEER.

COMPACTION REQUIREMENTS ARE AS FOLLOWS:

- 1. UNDER STEPS, PAVEMENTS, AND WALKWAYS, 95 PERCENT STANDARD PROCTOR MINIMUM DENSITY, ASTM D 698.
2. UNDER LAWNS OR UNPAVED AREAS, 85 PERCENT, ASTM D 698.

GRADING TOLERANCES OUTSIDE BUILDING LINES ARE AS FOLLOWS:

- 1. LAWNS, UNPAVED AREAS, AND WALKS, PLUS OR MINUS 1 INCH.
2. PAVEMENTS, PLUS OR MINUS 1/2 INCH.
3. ALL ADA ROUTES AND PARKING ARE TO MEET ADA REQUIREMENTS AT ALL TIMES.

ALL ACTIVITIES WILL BE CONTAINED WITHIN CONSTRUCTION BOUNDARIES INDICATED ON SITE PLAN. SPECIFIED EXCAVATION REQUIREMENTS, PRECAUTIONS, AND PROTECTIVE SYSTEMS WILL BE OBSERVED AT ALL TIMES.

MOVEMENT OF TRUCKS AND EQUIPMENT ON OWNER'S PROPERTY WILL BE IN ACCORDANCE WITH OWNER'S INSTRUCTIONS.

TOPSOIL WILL BE STRIPPED FROM THE CONSTRUCTION SITE AND WILL BE DISPOSED OF AT MSF STOCKPILE LOCATIONS.

TRENCHES WILL NOT BE BACKFILLED UNTIL ALL REQUIRED TESTS ARE COMPLETED AND THE UTILITY SYSTEMS, AS INSTALLED, CONFORM TO REQUIREMENTS SPECIFIED BY THE CONTRACT DOCUMENTS.

EXCAVATION IS UNCLASSIFIED AND INCLUDES EXCAVATION TO SUBGRADE REGARDLESS OF MATERIALS ENCOUNTERED. REPAIR EXCAVATIONS BEYOND ELEVATIONS AND DIMENSIONS INDICATED AS FOLLOWS:

- 1. AT STRUCTURE: CONCRETE OR COMPACTED STRUCTURAL FILL.
2. ELSEWHERE: BACKFILL AND COMPACT AS DIRECTED.
3. MAINTAIN STABILITY OF EXCAVATIONS; CONTRACTOR TO BE RESPONSIBLE FOR DESIGN AND COORDINATION OF SHORING AND BRACING AS REQUIRED. PREVENT SURFACE AND SUBSURFACE WATER FROM ACCUMULATING IN EXCAVATIONS. STOCKPILE SATISFACTORY MATERIALS FOR REUSE, ALLOW FOR PROPER DRAINAGE AND DO NOT STOCKPILE MATERIALS WITHIN DRIP LINE OF TREES TO REMAIN.

COMPACT MATERIALS AT THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D 698 BY AERATION OR WETTING TO THE FOLLOWING PERCENTAGES OF MAXIMUM DRY DENSITY:

- 1. STRUCTURE, PAVEMENT, WALKWAYS: SUBGRADE AND EACH FILL LAYER TO 95% (-2%+1%) OF STANDARD PROCTOR MAXIMUM DRY DENSITY TO SUITABLE DEPTH. COMPACTION TESTING SHALL BE PERFORMED IMMEDIATELY PRIOR TO THE PLACEMENT OF REINFORCING STEEL AND NEW PAVING MATERIALS. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING TESTING WITH OWNERS DESIGNATED TESTING AGENCY.
2. UNPAVED AREAS: TOP 6" OF SUBGRADE AND EACH FILL LAYER TO 90% MAXIMUM DRY DENSITY.
3. A PROOF-ROLL SHALL BE REQUIRED OF THE SUBGRADE PRIOR TO PLACEMENT OF THE BASE COURSE. PROOF ROLLING SHALL CONSIST OF PASSING A LOADED, 20-TON, TANDEM DUMP TRUCK OVER THE PREPARED SUBGRADE SOIL WITH A MAXIMUM ALLOWABLE DISPLACEMENT OF 1". ANY AREAS THAT DISPLACE MORE THAN 1" SHALL BE COMPACTED UNTIL THIS CRITERION IS MET, OR THOSE AREAS MAY BE EXCAVATED AND BACKFILLED WITH COMPACTED TYPE 1 AGGREGATE USED FOR BASE MATERIAL. ALL PROOF ROLLING SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE.
4. CUT AREAS UNDER PROPOSED ASPHALT OR CONCRETE PAVEMENTS SHALL BE CUT AND COMPACTED. AFTER GRADING TO SUBGRADE ELEVATION, SCARIFY THE TOP SIX INCHES OF THE SUB-BASE AND COMPACT AS OUTLINED ABOVE.

PLACE ACCEPTABLE MATERIALS IN LAYERS NOT MORE THAN 8" LOOSE, DEPTH FOR MATERIALS COMPACTED BY HEAVY EQUIPMENT AND NOT MORE THAN 4" LOOSE DEPTH FOR MATERIALS COMPACTED BY HAND EQUIPMENT TO SUBGRADES INDICATED AS FOLLOWS:

- 1. STRUCTURAL FILL: USE UNDER FOUNDATIONS, SLABS ON GRADE IN LAYERS AS INDICATED.
2. DRAINAGE FILL: USE UNDER DESIGNATED BUILDING SLABS, AT FOUNDATION DRAINAGE AND ELSEWHERE AS INDICATED.
3. LANDSCAPE AREA FILL:
3.1. ALL SUB-GRADE AREAS SHALL BE "TRIPPED" TO A MINIMUM 6" DEEP AND A MAXIMUM OF 12" APART IN OPPOSITE DIRECTIONS WITH MINIMAL TIRE TRAFFIC TO FLOW.
3.2. CONTRACTOR TO LEAVE AREAS 6" OR 18" (PLANTER AREAS) BELOW FINISH GRADE. OWNER TO PLACE TOPSOIL AND ALL PLANTINGS.
3.3. ANY FILL SOIL WITHIN 36" OF FINISHED GRADE IN LAWN AND PLANTER AREAS SHALL BE COHESIVE SOILS IN SOIL CLASSIFICATIONS GROUPS ML, CL, CH OR A COMBINATION THEREOF, FREE OF ROCK OR GRAVEL LARGER THAN 1" IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIAL, VEGETATION AND OTHER DILETTIOUS WATER.
4. SUB-BASE MATERIAL: USE UNDER PAVEMENT, WALKS, STEPS, PIPING AND CONDUIT.

GRADE TO WITHIN 1/2" ABOVE OR BELOW REQUIRED SUBGRADE AND WITHIN A TOLERANCE OF 1/2" IN 10'.

PROTECT NEWLY GRADED AREAS FROM TRAFFIC AND EROSION. RECOMPACT AND REGRADE SETTLED, DISTURBED AND DAMAGED AREAS AS NECESSARY TO RESTORE QUALITY, APPEARANCE, AND CONDITION OF WORK.

CONTROL EROSION TO PREVENT RUNOFF INTO SEWERS OR DAMAGE TO SLOPED OR SURFACED AREAS.

CONTROL DUST TO PREVENT HAZARDS TO ADJACENT PROPERTIES AND VEHICLES. IMMEDIATELY REPAIR OR REMEDY DAMAGE CAUSED BY DUST INCLUDING AIR FILTERS IN EQUIPMENT AND VEHICLES. CLEAN SOILED SURFACES.

DISPOSAL OF EXCAVATION WASTE AND UNSUITABLE MATERIALS SHALL BE THE RESPONSIBILITY OF THE SITE WORK CONTRACTOR. NO SPECIFIC OR PRE-APPROVED LOCATION IS BEING PROVIDED BY THE OWNER.

CONCRETE:

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 308 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 CONCRETE.
4. REINFORCING STEEL SHALL CONFORM TO ASTM A615, A615M, 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 MIX. 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 FINISHED 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 EARTH.....3 INCHES
EXPOSED TO EARTH OR WEATHER.....2 INCHES
NOT EXPOSED TO WEATHER OR
IN CONTACT WITH EARTH.....1 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, BROOK FINISH 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.
12. FLINT AND CHERT WILL BE LIMITED TO 1% MAXIMUM, BY WEIGHT OF THE COURSE AGGREGATE, IN ALL EXPOSED CONCRETE. (CAST-IN-PLACE OR PRECAST). LIGHTWEIGHT AGGREGATE WILL BE LIMITED TO 0.5%, BY WEIGHT OF THE FINE AGGREGATE IN ALL EXPOSED CONCRETE. SOME APPLICATIONS MAY BE REQUIRED TO BE LOW-IMPACT.

CONCRETE PAVING JOINT SEALANTS:

DELIVER MATERIALS TO PROJECT SITE IN ORIGINAL UNOPENED CONTAINERS OR BUNDLES WITH LABELS INDICATING MANUFACTURER, PRODUCT NAME AND DESIGNATION, COLOR, EXPIRATION DATE, POT LIFE, CURING TIME, AND MIXING INSTRUCTIONS FOR MULTICOMPONENT MATERIALS.

STORE AND HANDLE MATERIALS TO COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS TO PREVENT THEIR DETERIORATION OR DAMAGE DUE TO MOISTURE, HIGH OR LOW TEMPERATURES, CONTAMINANTS, OR OTHER CAUSES.

DO NOT PROCEED WITH INSTALLATION OF JOINT SEALANTS UNDER THE FOLLOWING CONDITIONS:

- 1. WHEN AMBIENT AND SUBSTRATE TEMPERATURE CONDITIONS ARE OUTSIDE LIMITS PERMITTED BY JOINT SEALANT MANUFACTURER OR ARE BELOW 40 DEG F.
2. WHEN JOINT SUBSTRATES ARE WET OR COVERED WITH FROST.
3. WHERE JOINT WIDTHS ARE LESS THAN THOSE ALLOWED BY JOINT-SEALANT MANUFACTURER FOR APPLICATIONS INDICATED.
4. WHERE CONTAMINANTS CAPABLE OF INTERFERING WITH ADHESION HAVE NOT YET BEEN REMOVED FROM JOINT SUBSTRATES.

PROVIDE JOINT SEALANTS, BACKER MATERIALS, AND OTHER RELATED MATERIALS THAT ARE COMPATIBLE WITH ONE ANOTHER AND WITH JOINT SUBSTRATES UNDER CONDITIONS OF SERVICE AND APPLICATION, AS DEMONSTRATED BY JOINT-SEALANT MANUFACTURER BASED ON TESTING AND FIELD EXPERIENCE.

COLD-APPLIED JOINT SEALANTS ARE TO BE TYPE NS SILICONE SEALANT FOR CONCRETE: SINGLE-COMPONENT, LOW-MODULUS, NEUTRAL-CURING, NONSAG SILICONE SEALANT COMPLYING WITH ASTM D 5993 FOR TYPE NS. PRODUCTS ALLOWED ARE: CRAFTCO INC.: ROADSAVER SILICONE , DOW CORNING CORPORATION: 888, PECORA NS 301, OR APPROVED EQUAL.

CONTRACTOR TO PROVIDE JOINT-SEALANT BACKER MATERIALS THAT ARE NONSTAINING; ARE COMPATIBLE WITH JOINT SUBSTRATES, SEALANTS, PRIMERS, AND OTHER JOINT FILLERS; AND ARE APPROVED FOR APPLICATIONS INDICATED BY JOINT-SEALANT MANUFACTURER BASED ON FIELD EXPERIENCE AND LABORATORY TESTING. ROUND BACKER RODS FOR COLD-APPLIED SEALANTS; ASTM D 5249, TYPE 3, OF DIAMETER AND DENSITY REQUIRED TO CONTROL SEALANT DEPTH AND PREVENT BOTTOM-SIDE ADHESION OF SEALANT.

PRIOR TO JOINT INSTALLATION, CONTRACTOR IS TO EXAMINE JOINTS INDICATED TO RECEIVE JOINT SEALANTS, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR JOINT CONFIGURATION, INSTALLATION TOLERANCES, AND OTHER CONDITIONS AFFECTING JOINT- SEALANT PERFORMANCE. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

CLEAN OUT JOINTS IMMEDIATELY BEFORE INSTALLING JOINT SEALANTS TO COMPLY WITH JOINT-SEALANT MANUFACTURER'S WRITTEN INSTRUCTIONS.

COMPLY WITH JOINT-SEALANT MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS FOR PRODUCTS AND APPLICATIONS INDICATED, UNLESS MORE STRINGENT REQUIREMENTS APPLY.

COMPLY WITH RECOMMENDATIONS IN ASTM C 1193 FOR USE OF JOINT SEALANTS AS APPLICABLE TO MATERIALS, APPLICATIONS, AND CONDITIONS INDICATED.

INSTALL BACKER MATERIALS OF TYPE INDICATED TO SUPPORT SEALANTS DURING APPLICATION AND AT POSITION REQUIRED TO PRODUCE CROSS-SECTIONAL SHAPES AND DEPTHS OF INSTALLED SEALANTS RELATIVE TO JOINT WIDTHS THAT ALLOW OPTIMUM SEALANT MOVEMENT CAPABILITY. DO NOT LEAVE GAPS BETWEEN ENDS OF BACKER MATERIALS. DO NOT STRETCH, TWIST, PUNCTURE, OR TEAR BACKER MATERIALS. REMOVE ABSORBENT BACKER MATERIALS THAT HAVE BECOME WET BEFORE SEALANT APPLICATION AND REPLACE THEM WITH DRY MATERIALS.

- INSTALL SEALANTS USING PROVEN TECHNIQUES THAT COMPLY WITH THE FOLLOWING AND AT THE SAME TIME BACKING ARE INSTALLED:
1. PLACE SEALANTS SO THEY DIRECTLY CONTACT AND FULLY WET JOINT SUBSTRATES.
2. COMPLETELY FILL RECESSES PROVIDED FOR EACH JOINT CONFIGURATION.
3. PRODUCE UNIFORM, CROSS-SECTIONAL SHAPES AND DEPTHS RELATIVE TO JOINT WIDTHS THAT ALLOW OPTIMUM SEALANT MOVEMENT CAPABILITY.

IMMEDIATELY AFTER SEALANT APPLICATION AND BEFORE SKINNING OR CURING BEGINS, TOOL SEALANTS ACCORDING TO REQUIREMENTS SPECIFIED BELOW TO FORM SMOOTH, UNIFORM BEADS OF CONFIGURATION INDICATED; TO ELIMINATE AIR POCKETS; AND TO ENSURE CONTACT AND ADHESION OF SEALANT WITH SIDES OF JOINT. REMOVE EXCESS SEALANTS FROM SURFACES ADJACENT TO JOINTS; USE TOOLING AGENTS THAT ARE APPROVED IN WRITING BY JOINT-SEALANT MANUFACTURER AND THAT DO NOT DISCOLOR SEALANTS OR ADJACENT SURFACES.

PROVIDE JOINT CONFIGURATION TO COMPLY WITH JOINT-SEALANT MANUFACTURER'S WRITTEN INSTRUCTIONS, UNLESS OTHERWISE INDICATED.

PROVIDE RECESSED JOINT CONFIGURATION FOR SILICONE SEALANTS OF RECESS DEPTH AND AT LOCATIONS INDICATED.

CLEAN OFF EXCESS SEALANTS OR SEALANT SMEARS ADJACENT TO JOINTS AS THE WORK PROGRESSES BY METHODS AND WITH CLEANING MATERIALS APPROVED BY MANUFACTURERS OF JOINT SEALANTS AND OF PRODUCTS IN WHICH JOINTS OCCUR.

PROTECT JOINT SEALANTS DURING AND AFTER CURING PERIOD FROM CONTACT WITH CONTAMINATING SUBSTANCES AND FROM DAMAGE RESULTING FROM CONSTRUCTION OPERATIONS OR OTHER CAUSES SO SEALANTS ARE WITHOUT DETERIORATION OR DAMAGE AT TIME OF SUBSTANTIAL COMPLETION. IF, DESPITE SUCH PROTECTION, DAMAGE OR DETERIORATION OCCURS, CUT OUT AND REMOVE DAMAGED OR DETERIORATED JOINT SEALANT IMMEDIATELY AND REPLACE WITH JOINT SEALANT SO INSTALLATIONS WITH REPAIRED AREAS ARE INDISTINGUISHABLE FROM THE ORIGINAL WORK.

PAVEMENT MARKING:

UNLESS NOTED OTHERWISE ON THE PLANS, PAINT SHALL BE WATERBORNE OR SOLVENT BORNE, COLORS AS SHOWN OR SPECIFIED HEREIN. WATERBORNE PAINT: PAINTS SHALL CONFORM TO FS TT-4-1952. SOLVENT BORNE PAINT: PAINT SHALL CONFORM TO FS A-4-2886 OR AHSHO M248. PAINT SHALL BE NON-BLEEDING, QUICK-DRYING AND ALKOY PETROLEUM BASE PAINT SUITABLE FOR TRAFFIC BEARING SURFACE AND BE MIXED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS BEFORE APPLICATION FOR COLORS WHITE, YELLOW, BLUE, AND RED. RETROREFLECTIVE PAINT SHALL BE TYPE I, GLASS BEADS PER SECTION 620 OF THE CURRENT MODOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

PAINT SHALL BE APPLIED PER THE FOLLOWING COLOR CODE: WHITE FOR STANDARD PARKING SPACE LINES AND SIDEWALK CROSSINGS. BLUE FOR ACCESSIBLE PARKING STALL AND SYMBOLS AND ASSOCIATED CROSS-HATCHED AREAS.

MATERIALS SHALL INCLUDE STANDARD COMMERCIAL GRADE MASKING MATERIALS, SCRAPERS, CLEANING SOLUTIONS, AND OTHER MATERIALS REQUIRED FOR THE WORK. USE MATERIALS SPECIFIED BY MANUFACTURER'S DIRECTION LABEL ON CONTAINER.

DELIVER MATERIALS TO THE SITE IN ORIGINAL CONTAINERS WITH SEALS UNBROKEN AND LABELS INTACT. PROTECT ALL PAINT FROM FREEZING. DO NOT ALLOW PAINT TO SETTLE, CAKE, OR THICKEN IN THE CONTAINER. READILY STIR WITH A PADDLE TO A SMOOTH CONSISTENCY. PAINT SHALL ARRIVE ON THE JOB COLOR-MIXED EXCEPT FOR TINTING OF UNDERCOATS AND POSSIBLE THINNING.

PRIOR TO BEGINNING CLEANING OR PAINTING OPERATIONS, CONTRACTOR SHALL PROTECT ALL ITEMS OR SURFACES NOT INCLUDED IN AREA TO BE PAINTED. PROTECT VEHICLES, EQUIPMENT, STRUCTURES, OR OTHER ITEMS FROM PAINT SPATTERS, OVER SPRAY, OR DAMAGE.

CONTRACTOR SHALL PROVIDE BARRICADES AND ANY SIGNAGE NEEDED TO PROTECT ALL PAINTED AREAS FROM PEDESTRIAN AND VEHICULAR TRAFFIC UNTIL ACHIEVING SUFFICIENT DRYING TIME.

PERFORM PAINTING AS SOON AS FEASIBLE AND PRACTICAL AFTER THE FINISHING OF THE PAVEMENT OR AS DIRECTED BY THE OWNERS REPRESENTATIVE. ADEQUATE LIGHTING SHALL BE AVAILABLE AT THE TIME OF PAINTING. EXAMINE ALL SURFACES TO RECEIVE PAINT TO MAKE SURE THERE ARE NO DEFECTS IN THE SURFACE TO BE STRIPPED. DO NOT PAINT OVER RUST, SCALE, GREASE, OIL, FUEL, DUST, WET PAVEMENT, OR OTHER CONDITIONS DETRIMENTAL TO PAINT ADHESION. REMOVE GREASE, OIL, OR FUEL ON ANY SURFACE BEFORE PAINTING. CORRECT ALL SURFACE DEFECTS BEFORE PAINTING. CONTRACTOR SHALL EXAMINE AREAS TO BE PAINTED. NOTIFY THE OWNERS REPRESENTATIVE IN WRITING OF CONDITIONS THAT MIGHT DELAY TIMELY COMPLETION OF THE WORK.

PAINTING SHALL NOT BE PERFORMED WHEN THE AMBIENT TEMPERATURE IS LESS THAN 55 DEGREES FAHRENHEIT AND NOT EXCEEDING 95 DEGREES FAHRENHEIT, OR WHILE THE SURFACE IS DAMP. THE SURFACE MUST BE FIVE DEGREES OR MORE ABOVE THE DEW POINT TEMPERATURE DURING PAINTING OPERATIONS AND WHILE PAINT IS DRYING.

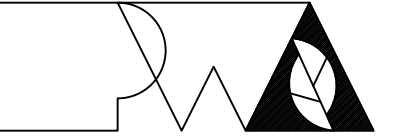
AREAS TO BE PAINTED SHALL RECEIVE ONE COAT OF PAINT NOT LESS THAN 25 MILS THICKNESS WET PER MODOT 620.9 THROUGH 620.9.3.4.2. IN LOCATIONS REQUIRING MULTIPLE COATS, PRIOR COAT SHALL BE DRY TO MANUFACTURER'S RECOMMENDATIONS BEFORE APPLYING THE NEXT COAT. FINISHED WORK SHALL BE UNIFORM OF APPROVED COLOR, FREE OF RUNS, DRIPS, DEFECTIVE BRUSHING, SPRAYING, AND CLOGGING. PARKING LINES AND SYMBOLS SHALL BE NEAT AND WELL DEFINED. ONLY SKILLED APPLICATORS SHALL APPLY PAINT. OWNERS REPRESENTATIVE SHALL APPROVE APPLICATION TECHNIQUES.

REMOVE PAINT SPATTER FROM ADJACENT AREAS OR AREAS NOT DESIGNATED TO RECEIVE PAINT. CONTRACTOR SHALL REPAIR OR TOUCH UP ANY SURFACES IF EXPOSED TO VEHICULAR AND PEDESTRIAN TRAFFIC, TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE. AT NO ADDITIONAL COST TO THE OWNER. WHEN COLOR, DIRT, STAINS, EXISTING PAINT, ETC., SHOW THROUGH THE FINAL COAT, REPAIR THE SURFACE UNTIL THE FILM IS UNIFORM IN FINISH, COVERAGE, COLOR, AND APPEARANCE.

**STATE OF MISSOURI
MICHAEL KEHOE
GOVERNOR**



KYLE R. MILLER
MO LICENSE-2017019013



Peckham & Wright Architects, Inc., d.b.a.
PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWAchitects.com | 573.449.2663
Peckham & Wright Architects, an Architectural Corporation
Missouri State Certificate of Authority No. 000244

PREPARED BY:
CROCKETT
ENGINEERING CONSULTANTS
1000 W. Nilong Blvd., Bldg. 1
Columbia, Missouri 65203
(573) 447-0292
www.crockettengineering.com
Crockett Engineering Consultants, LLC
Missouri Certificate of Authority
#200015101

**OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION**

NEW FIRE STATION

**MISSOURI STATE FAIR
SEDALIA, MISSOURI**

**PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
CEC # 240158**

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: 240158
DRAWN BY: KRM
CHECKED BY: KRM
DESIGNED BY: KRM

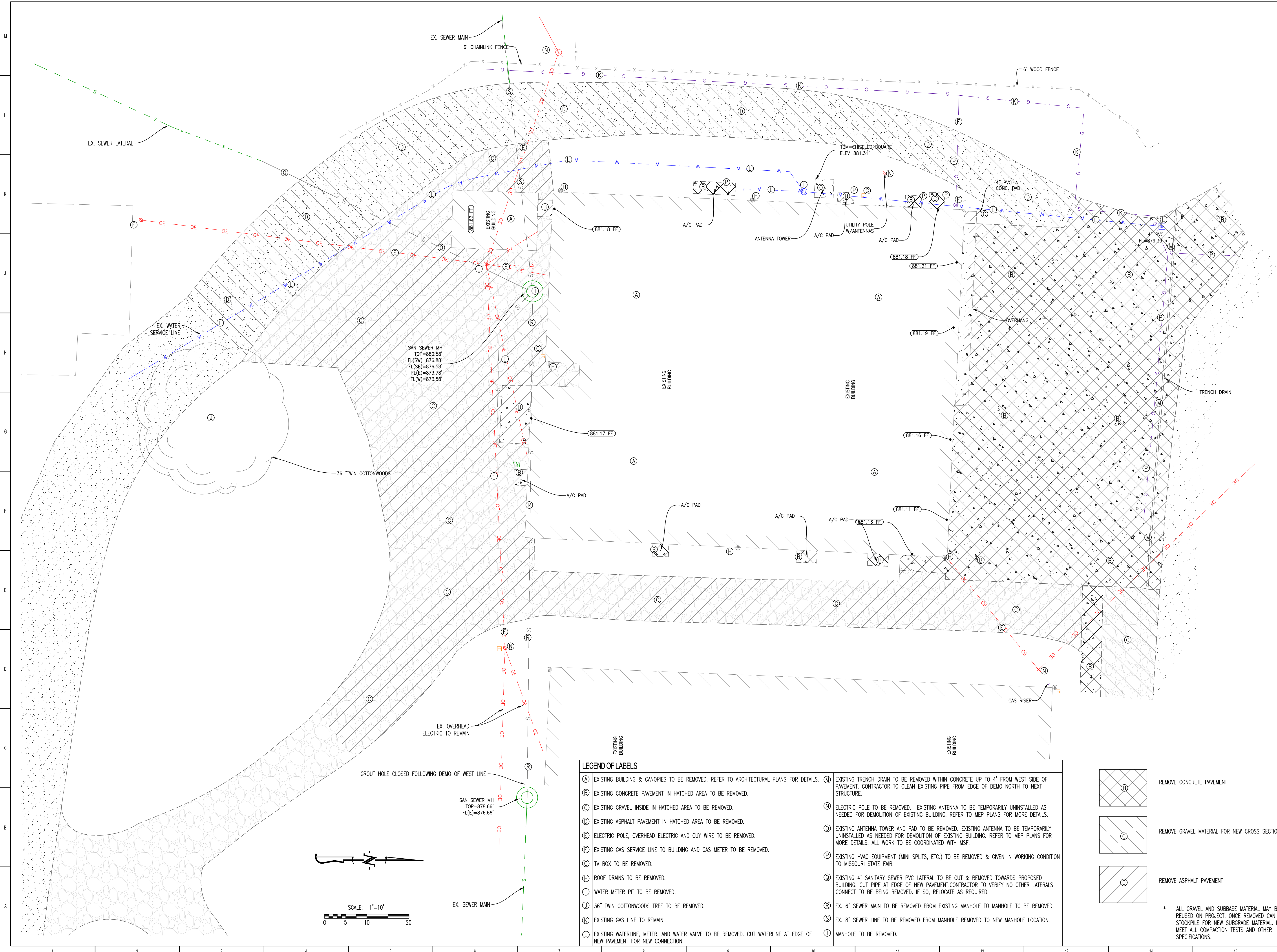
SHEET TITLE:

**CIVIL PROJECT
SPECIFICATIONS**

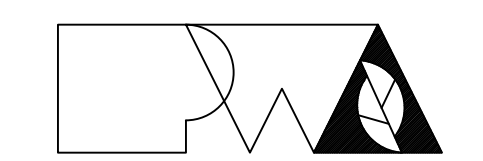
SHEET NUMBER:

C-101

4 OF 55 SHEETS
September 19, 2025



KYLE R. MILLER
MO LICENSE-2017019013



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

PREPARED BY:
CROCKETT
ENGINEERING CONSULTANTS
1000 W. Nilong 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

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
CEC # 240158

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: 240158
DRAWN BY: KRM
CHECKED BY: KRM
DESIGNED BY: KRM

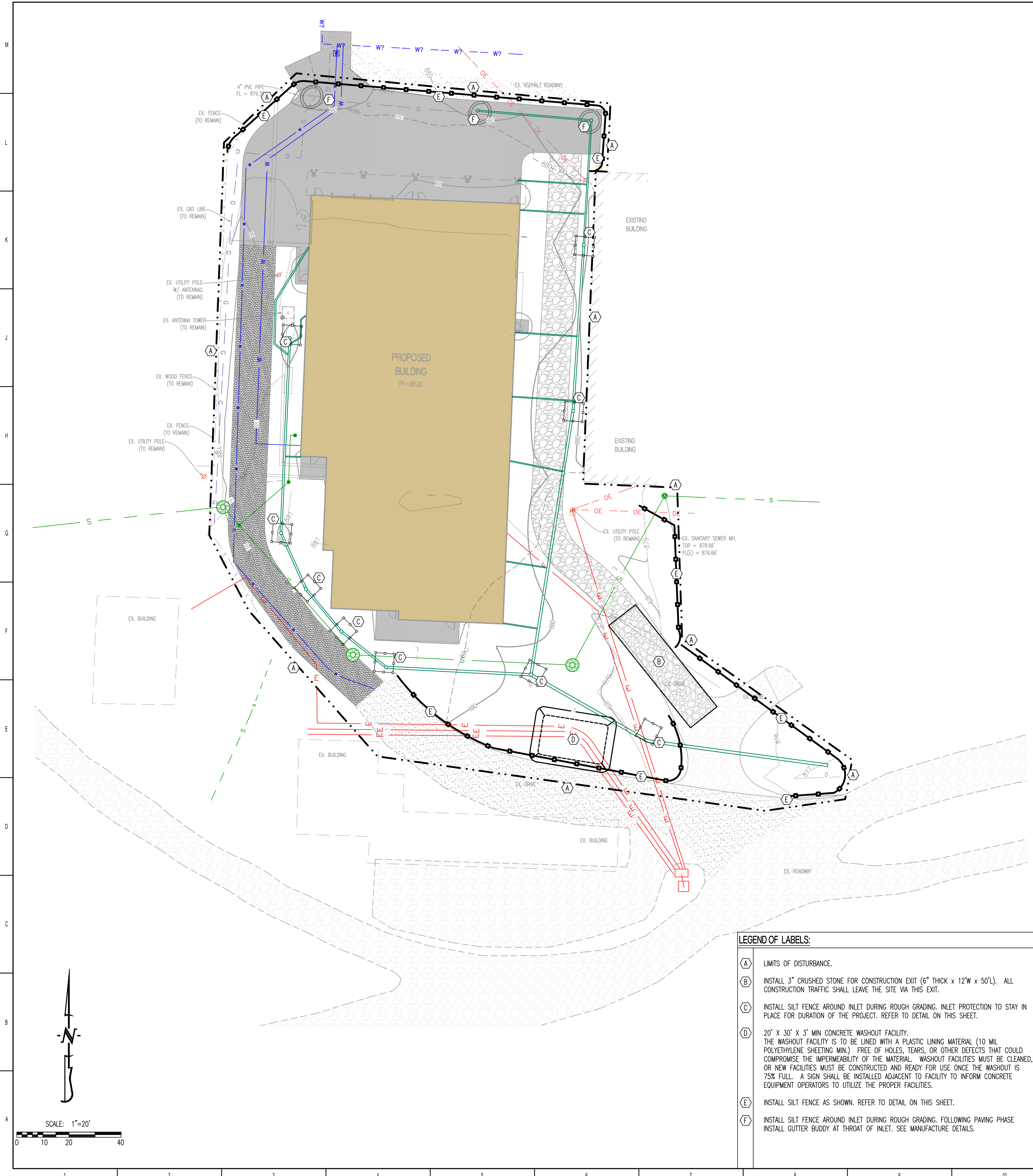
SHEET TITLE:
**DEMOLITION
PLAN**

SHEET NUMBER:

C-102

LEGEND OF LABELS	
(A)	EXISTING BUILDING & CANOPIES TO BE REMOVED. REFER TO ARCHITECTURAL PLANS FOR DETAILS.
(B)	EXISTING CONCRETE PAVEMENT IN HATCHED AREA TO BE REMOVED.
(C)	EXISTING GRAVEL INSIDE IN HATCHED AREA TO BE REMOVED.
(D)	EXISTING ASPHALT PAVEMENT IN HATCHED AREA TO BE REMOVED.
(E)	ELECTRIC POLE, OVERHEAD ELECTRIC AND GUY WIRE TO BE REMOVED.
(F)	EXISTING GAS SERVICE LINE TO BUILDING AND GAS METER TO BE REMOVED.
(G)	TV BOX TO BE REMOVED.
(H)	ROOF DRAINS TO BE REMOVED.
(I)	WATER METER PIT TO BE REMOVED.
(J)	36" TWIN COTTONWOODS TREE TO BE REMOVED.
(K)	EXISTING GAS LINE TO REMAIN.
(L)	EXISTING WATERLINE, METER, AND WATER VALVE TO BE REMOVED. CUT WATERLINE AT EDGE OF NEW PAVEMENT FOR NEW CONNECTION.
(M)	EXISTING TRENCH DRAIN TO BE REMOVED WITHIN CONCRETE UP TO 4' FROM WEST SIDE OF PAVEMENT. CONTRACTOR TO CLEAN EXISTING PIPE FROM EDGE OF DEMO NORTH TO NEXT STRUCTURE.
(N)	ELECTRIC POLE TO BE REMOVED. EXISTING ANTENNA TO BE TEMPORARILY UNINSTALLED AS NEEDED FOR DEMOLITION OF EXISTING BUILDING. REFER TO MEP PLANS FOR MORE DETAILS.
(O)	EXISTING ANTENNA TOWER AND PAD TO BE REMOVED. EXISTING ANTENNA TO BE TEMPORARILY UNINSTALLED AS NEEDED FOR DEMOLITION OF EXISTING BUILDING. REFER TO MEP PLANS FOR MORE DETAILS. ALL WORK TO BE COORDINATED WITH MSF.
(P)	EXISTING HVAC EQUIPMENT (MINI SPLITS, ETC.) TO BE REMOVED & GIVEN IN WORKING CONDITION TO MISSOURI STATE FAIR.
(Q)	EXISTING 4" SANITARY SEWER PVC LATERAL TO BE CUT & REMOVED TOWARDS PROPOSED BUILDING. CUT PIPE AT EDGE OF NEW PAVEMENT. CONTRACTOR TO VERIFY NO OTHER LATERALS CONNECT TO BE BEING REMOVED. IF SO, RELOCATE AS REQUIRED.
(R)	EX. 6" SEWER MAIN TO BE REMOVED FROM EXISTING MANHOLE TO MANHOLE TO BE REMOVED.
(S)	EX. 8" SEWER LINE TO BE REMOVED FROM MANHOLE. REMOVED TO NEW MANHOLE LOCATION.
(T)	MANHOLE TO BE REMOVED.

	REMOVE CONCRETE PAVEMENT
	REMOVE GRAVEL MATERIAL FOR NEW CROSS SECTION
	REMOVE ASPHALT PAVEMENT
* ALL GRAVEL AND SUBBASE MATERIAL MAY BE REUSED ON PROJECT. ONCE REMOVED CAN STOCKPILE FOR NEW SUBGRADE MATERIAL. MUST MEET ALL COMPACTION TESTS AND OTHER SPECIFICATIONS.	



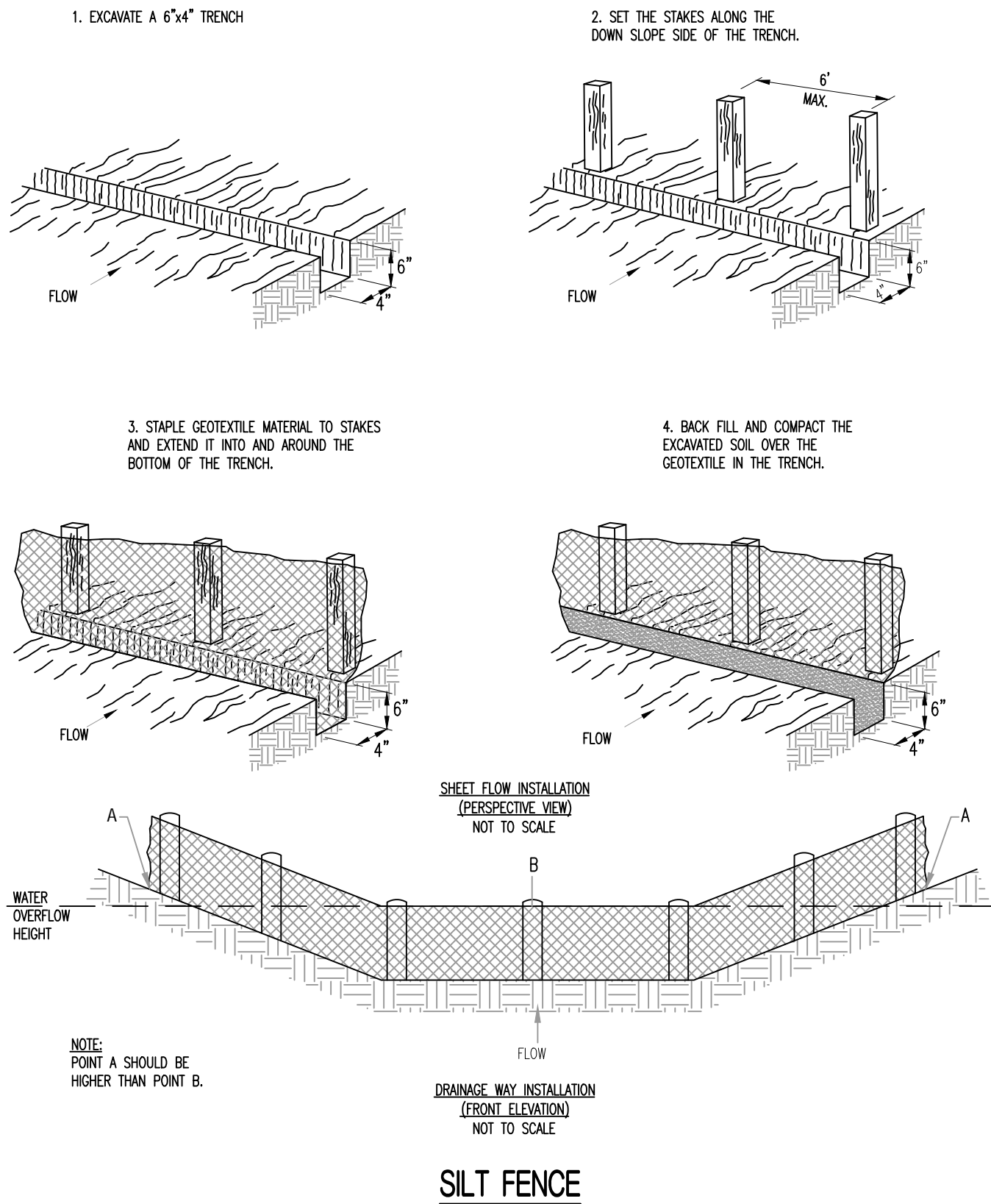
- LEGEND OF LABELS:**
- (A) LIMITS OF DISTURBANCE.
 - (B) INSTALL 3" CRUSHED STONE FOR CONSTRUCTION EXIT (6" THICK x 12'W x 50'L). ALL CONSTRUCTION TRAFFIC SHALL LEAVE THE SITE VIA THIS EXIT.
 - (C) INSTALL SILT FENCE AROUND INLET DURING ROUGH GRADING. INLET PROTECTION TO STAY IN PLACE FOR DURATION OF THE PROJECT. REFER TO DETAIL ON THIS SHEET.
 - (D) 20' x 30' x 3' MIN CONCRETE WASHOUT FACILITY. THE WASHOUT FACILITY IS TO BE LINED WITH A PLASTIC LINING MATERIAL (10 MIL POLYETHYLENE SHEETING MIN.) FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COULD COMPROMISE THE IMPERMEABILITY OF THE MATERIAL. WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL. A SIGN SHALL BE INSTALLED ADJACENT TO FACILITY TO INFORM CONCRETE EQUIPMENT OPERATORS TO UTILIZE THE PROPER FACILITIES.
 - (E) INSTALL SILT FENCE AS SHOWN. REFER TO DETAIL ON THIS SHEET.
 - (F) INSTALL SILT FENCE AROUND INLET DURING ROUGH GRADING. FOLLOWING PAVING PHASE INSTALL CUTTER BUDDY AT THROAT OF INLET. SEE MANUFACTURE DETAILS.

EROSION CONTROL NOTES

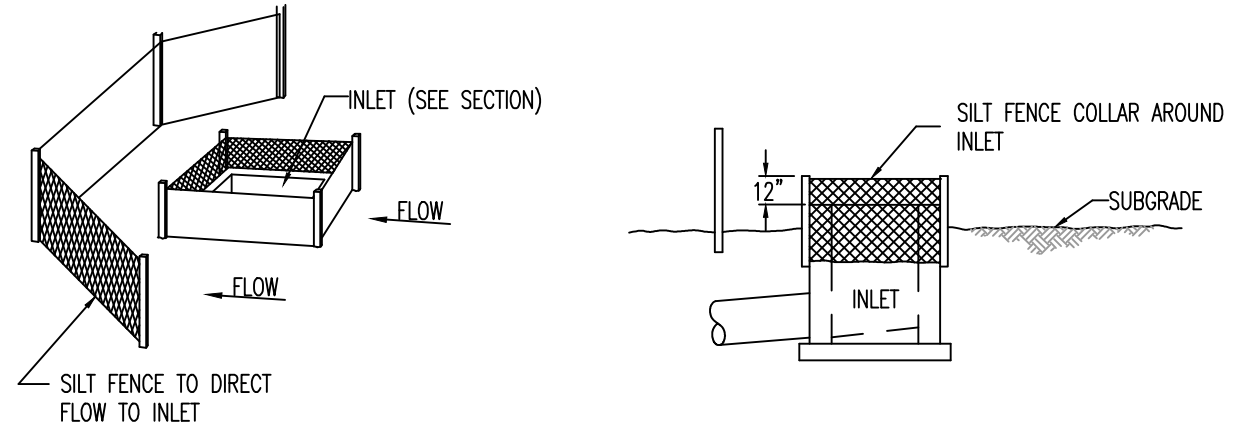
- 1.) CONTRACTOR PARKING, LAYDOWN YARD AND JOB TRAILER TO BE COORDINATED WITH MSF. ALL CONSTRUCTION TRAFFIC TO USE CONSTRUCTION ENTRANCE AT SOUTH EAST ENTRANCE FOR ACCESS TO THE SITE. CONTRACTOR TO ENSURE NO MUD OR DEBRIS GETS TRACKED ONTO ROADWAYS. ALL CONSTRUCTION TRAFFIC SHALL LEAVE THE SITE VIA THIS EXIT. REPAIR CITY STREET TO EXISTING OR IMPROVED CONDITION AT PROJECT END IF REQUIRED.
- 2.) INSTALL ADDITIONAL EROSION CONTROL MEASURES LIKE SILT CONTROL DEVICES IF EROSION IS FOUND TO BE LEAVING THE SITE. INSTALL STAKED STRAW BALES CENTERED ON ANY CONCENTRATED CHANNELS THAT ARE FORMED.

PROJECT NARRATIVE:

- 1) THE PROJECT CONSISTS OF REMOVAL AND REPLACEMENT OF AN EXISTING BUILDING, AND ADJACENT PAVED AREAS ALONG WITH OTHER SITE UTILITY IMPROVEMENTS.
- 2) SILT FENCE OR EQUALLY APPROVED SILT CONTAINMENT MEASURES SHALL BE PROVIDED IMMEDIATELY DOWNSTREAM OF THE DRAINAGE AREA TO INSURE THAT SILT DOES NOT LEAVE THE SITE. WHEN SILT ACCUMULATES TO MORE THAN HALF THE FENCE HEIGHT, IT SHALL BE REMOVED. REPLACE ANY TORN OR CLOGGED FABRIC OR BROKEN POSTS AS MAY BE REQUIRED.
- 3) THE EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL THE SITE HAS BEEN STABILIZED AND VEGETATION IS ESTABLISHED OVER A MINIMUM OF 70% OF THE DISTURBED AREA.
- 4) ALL EROSION CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO LAND DISTURBANCE. SHOULD CONSTRUCTION CEASE FOR MORE THAN 14 DAYS, THE SITE SHALL BE TEMPORARY SEEDED TO STABILIZE ALL DISTURBED AREAS.
- 5) EROSION CONTROL FACILITIES SHALL BE INSPECTED AT A MINIMUM OF ONCE PER WEEK OR AFTER EVERY MAJOR STORM EVENT THAT PRODUCES RUN-OFF.
- 6) NO MORE THAN 0.90 ACRE OF TOTAL LAND DISTURBANCE TO OCCUR.



SILT FENCE



INLET SILT BARRIERS

STATE OF MISSOURI
MICHAEL KEHOE
GOVERNOR



PREPARED BY:
CROCKETT
ENGINEERING CONSULTANTS
1000 W. Nilong 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

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

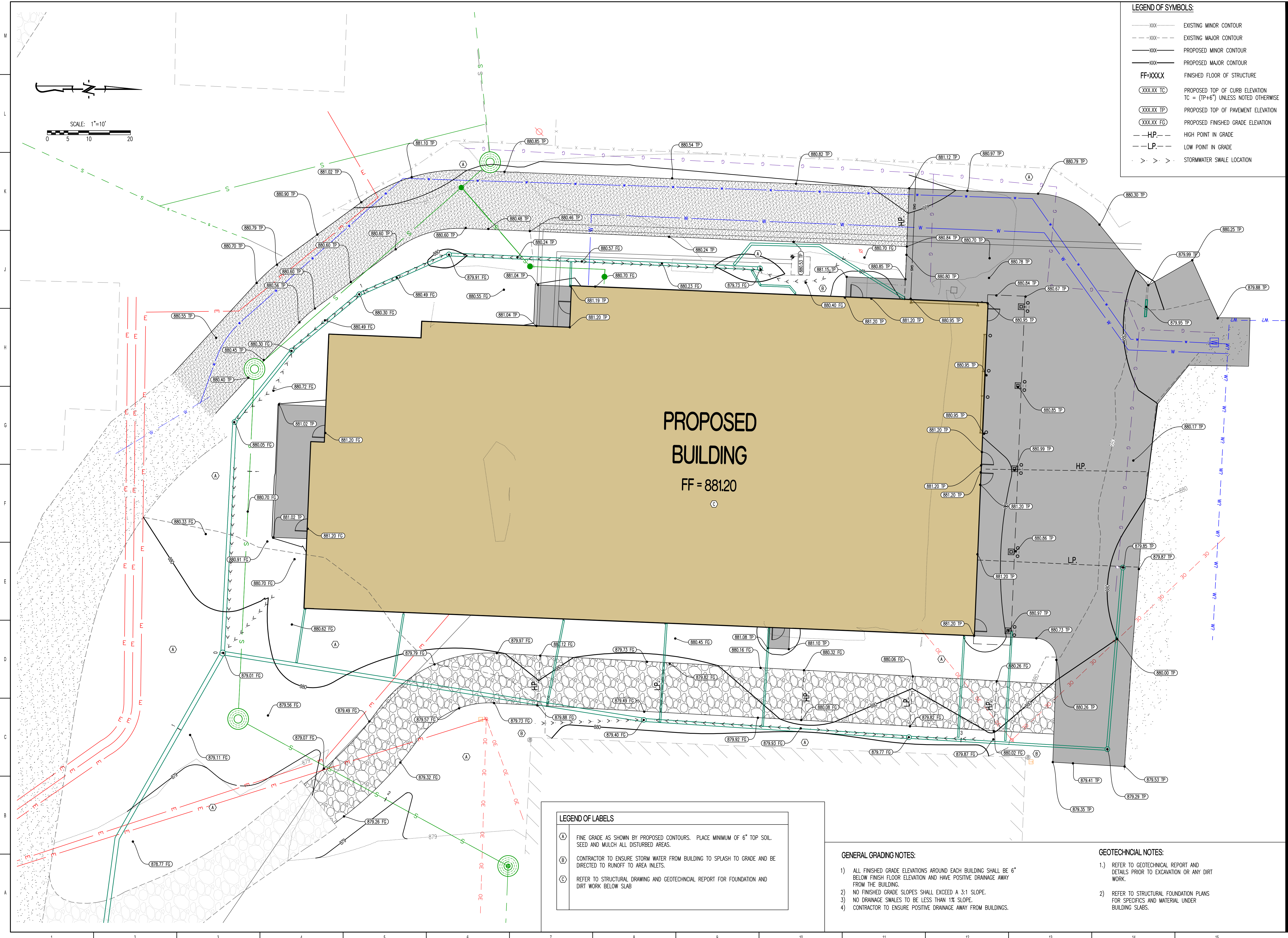
PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
CEC # 240158

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: 240158
DRAWN BY: KRM
CHECKED BY: KRM
DESIGNED BY: KRM

SHEET TITLE:
**EROSION
CONTROL PLAN**

SHEET NUMBER:
C-103
6 OF 55 SHEETS
September 19, 2025



LEGEND OF SYMBOLS:

- XXX--- EXISTING MINOR CONTOUR
- - - - - EXISTING MAJOR CONTOUR
- XXX--- PROPOSED MINOR CONTOUR
- XXX--- PROPOSED MAJOR CONTOUR
- FF=XXXX FINISHED FLOOR OF STRUCTURE
- (XXX.XX TC) PROPOSED TOP OF CURB ELEVATION
TC = (TP+6") UNLESS NOTED OTHERWISE
- (XXX.XX TP) PROPOSED TOP OF PAVEMENT ELEVATION
- (XXX.XX FG) PROPOSED FINISHED GRADE ELEVATION
- HP--- HIGH POINT IN GRADE
- LP--- LOW POINT IN GRADE
- >>> STORMWATER SWALE LOCATION

LEGEND OF LABELS

- (A) FINE GRADE AS SHOWN BY PROPOSED CONTOURS. PLACE MINIMUM OF 6" TOP SOIL, SEED AND MULCH ALL DISTURBED AREAS.
- (B) CONTRACTOR TO ENSURE STORM WATER FROM BUILDING TO SPLASH TO GRADE AND BE DIRECTED TO RUNOFF TO AREA INLETS.
- (C) REFER TO STRUCTURAL DRAWING AND GEOTECHNICAL REPORT FOR FOUNDATION AND DIRT WORK BELOW SLAB

- GENERAL GRADING NOTES:**
- 1) ALL FINISHED GRADE ELEVATIONS AROUND EACH BUILDING SHALL BE 6" BELOW FINISH FLOOR ELEVATION AND HAVE POSITIVE DRAINAGE AWAY FROM THE BUILDING.
 - 2) NO FINISHED GRADE SLOPES SHALL EXCEED A 3:1 SLOPE.
 - 3) NO DRAINAGE SWALES TO BE LESS THAN 1% SLOPE.
 - 4) CONTRACTOR TO ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS.

- GEOTECHNICAL NOTES:**
- 1) REFER TO GEOTECHNICAL REPORT AND DETAILS PRIOR TO EXCAVATION OR ANY DIRT WORK.
 - 2) REFER TO STRUCTURAL FOUNDATION PLANS FOR SPECIFICS AND MATERIAL UNDER BUILDING SLABS.

STATE OF MISSOURI
MICHAEL KEHOE
GOVERNOR



KYLE R. MILLER
MO LICENSE-2017019013



PREPARED BY:
CROCKETT
ENGINEERING CONSULTANTS
1000 W. Nilong 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

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
CEC # 240158

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

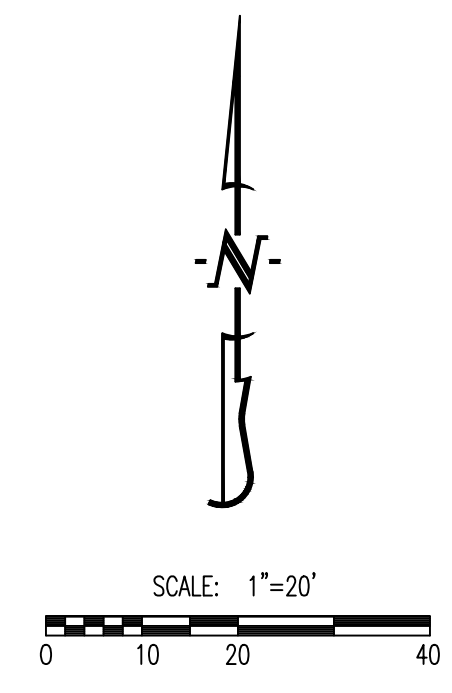
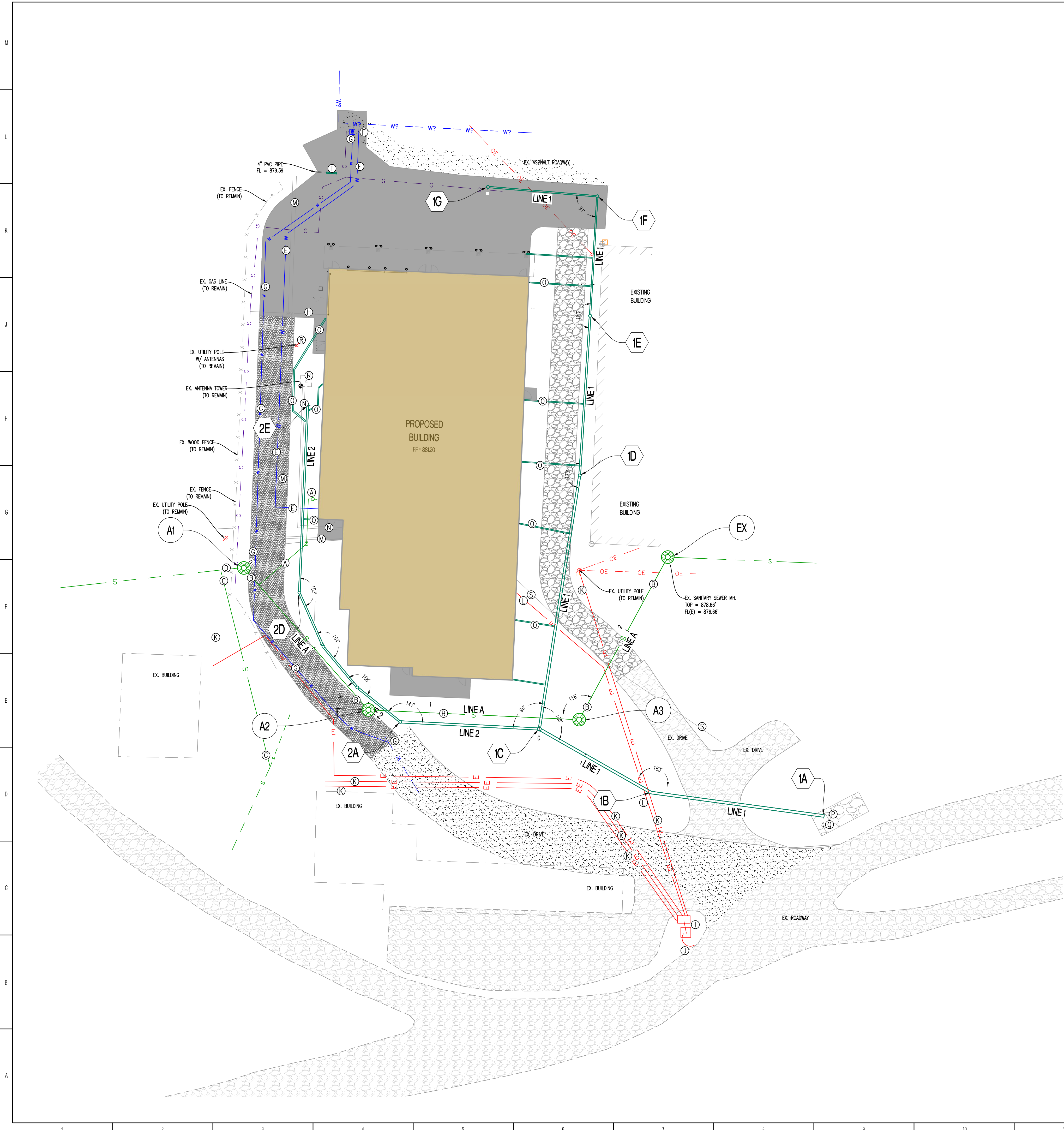
CAD DWG FILE: 240158
DRAWN BY: KRM
CHECKED BY: KRM
DESIGNED BY: KRM

SHEET TITLE:

GRADING PLAN

SHEET NUMBER:

C-104



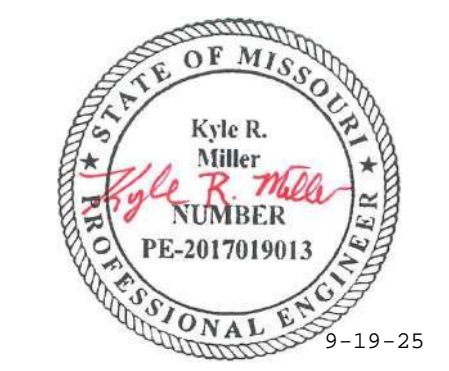
KEYED UTILITY NOTES

- (A) PROPOSED 120 FT OF 4" PVC SEWER LATERAL W/ (2) CLEANOUTS, ONE INSTALLED 3 FEET FROM BUILDING AS SHOWN AND THE OTHER AT THE BEND. REFER TO M.E.P. PLANS FOR CONNECTION TO BUILDING. 4" LATERAL TO TIE INTO NEW 8" SEWER MAIN AT 1% MIN. GRADE.
- (B) INSTALL NEW 8" SEWER MAIN AND MANHOLES. REFER TO C-107 FOR SANITARY SEWER PROFILE.
- (C) CONNECT EXISTING 4" SEWER LATERAL FROM THE HOME TO THE SOUTH INTO EXISTING SEWER MAIN. CONNECT JUST WEST OF NEW MANHOLE TO ALLOW SERVICE TO REMAIN OPERATIONAL DURING CONSTRUCTION.
- (D) REMOVE AN 8' SECTION OF EXISTING 8" SEWER MAIN AND REPLACE TO ALLOW CONNECTION TO NEW SANITARY SEWER MANHOLE. REPAIR FENCE AS REQUIRED.
- (E) PROPOSED 6" COMBINED FIRE/DOMESTIC WATER LINE TO BUILDING. REFER TO M.E.P. PLANS FOR MORE INFORMATION. REFER TO SPRINKLER DESIGNER TO VERIFY SIZE. METER INSIDE BUILDING. INSTALL THRUST BLOCKING AT BENDS & TEES.
- (F) TAP AND CONNECT TO EXISTING WATERLINE LOCATED WITHIN THE EXISTING STREET. REMOVE AND PATCH ASPHALT AS REQUIRED FOR CONNECTION.
- (G) INSTALL NEW 1" POLY WATERLINE TO EXISTING BUILDING TO THE SOUTH. CONNECT TO EXISTING 6" MAIN NORTH OF PROPOSED BUILDING AS SHOWN AND EXTEND TO EXISTING LINE SOUTH OF NEW BUILDING. THIS LINE WILL NEED TO REMAIN IN SERVICE FOR THE DURATION OF THE PROJECT. INSTALL NEW METER JUST AFTER CONNECTION, COORDINATE WITH MSF FOR NEW METER LOCATION.
- (H) INSTALL GAS LINE FROM EXISTING GAS LINE AND EXTEND TO METER AT BUILDING. REFER TO MEP PLANS FOR GAS LINE SIZE AND BUILDING ENTRANCE LOCATION. COORDINATE WITH UTILITY PROVIDER PRIOR TO CONNECTION.
- (I) PROPOSED TRANSFORMER AND TRANSFER PANEL. CONTRACTOR TO COORDINATE WITH STATE FAIR & SEE MEP PLANS FOR MORE DETAILS.
- (J) PROPOSED PRIMARY ELECTRIC TO TRANSFORMER. PRIMARY TO COME DOWN POLE AND CONNECT TO NEW TRANSFORMER. SEE MEP PLANS FOR MORE DETAILS.
- (K) PROPOSED SECONDARY ELECTRIC FROM TRANSFORMER TO EXISTING BUILDING. REFER TO M.E.P. PLANS FOR SIZE AND NUMBER OF CONDUITS. CONTRACTOR TO VERIFY WITH MEP PRIOR TO INSTALLATION.
- (L) PROPOSED SECONDARY ELECTRIC FROM TRANSFORMER TO NEW BUILDING. REFER TO M.E.P. PLANS FOR SIZE AND NUMBER OF CONDUITS. CONTRACTOR TO VERIFY WITH MEP PRIOR TO INSTALLATION.
- (M) INSTALL (2) 3" CONDUITS FOR TELECOMMUNICATION LINE. REFER TO MEP PLANS.
- (N) INSTALL (2) 3" SPARE CONDUITS. TO BE RAN FROM THE EXISTING ANTENNAS FOR THE BUILDING AS SHOWN.
- (O) PROPOSED 4" PVC DOWNSPOUT PIPE. WYE INTO NEAREST STORM SEWER COLLECTOR PIPE AS SHOWN.
- (P) STORM SEWER PIPE TO DAYLIGHT INTO ROAD DITCH SOUTHEAST OF THE PROPOSED BUILDING. CLEANOUT DITCH LINE AS REQUIRED.
- (Q) INSTALL 6'X10'X2' OF 3" RIP RAP IN ROAD DITCH AT END OF STORM PIPE UNDERLAIN WITH FILTER FABRIC.
- (R) EXISTING POWER POLE & ANTENNA AND CONCRETE PAD TO REMAIN. SEE MEP PLANS FOR DETAILS.
- (S) INSTALL 1" UNDERGROUND PVC CONDUIT WITH WIRING TYPE AND SIZE PER MEP.
- (T) CONTRACTOR TO INSTALL TRAFFIC RATED TRENCH DRAIN 4-FT LONG TO CONNECT TO EXISTING 4" PIPE. PIPE AT FL 879.4 AND TOP OF PAVEMENT AT 879.9.

GENERAL NOTES:

1. ALL PIPES, MAINS, AND SEWER SYSTEM SHALL BE INSTALLED USING THE PIPE EMBEDMENT DETAIL ON SHEET C-106.
2. ALL PARTS OF THE STORM PROFILE SYSTEM SHALL BE PRIVATE.
3. CONTRACTOR TO COORDINATE FINAL ELECTRICAL DESIGN WITH MEP PLAN SET.
4. IF A 2' VERTICAL SEPARATION CANNOT BE MAINTAINED BETWEEN THE WATERLINE AND SEWER LATERAL LINE THEN EXTRA PROTECTION SHALL BE INSTALLED. THE SEWER LINE SHALL BE ENCASED IN CONCRETE 6" THICK AND 10' IN LENGTH ON EITHER SIDE OF THE CROSSING.
5. CONTRACTOR TO COORDINATE WITH MISSOURI FAIR DISTRICT PRIOR TO ALL UTILITY CONNECTIONS/TAPS.
6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACQUIRE ALL EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE ANY DAMAGED OR BROKEN UTILITY TO ORIGINAL OR BETTER CONDITION. 1) EXISTING UTILITIES SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL COORDINATE LOCATES (HORIZONTAL AND VERTICAL) PRIOR TO ANY EXCAVATION.
7. ALL WATER MAINS AND SERVICE CROSSINGS SHALL BE BACKFILLED WITH GRANULAR AND/OR COMPACTED EARTH BACKFILL.
8. CONTRACTOR SHALL COORDINATE WITH OWNER AND LOCAL PROVIDERS FOR INSTALLATION OF UNDERGROUND FIBER OR COMMUNICATION WIRING.
9. ALL FITTINGS, TEES, BENDS, ECT. SHALL BE MECHANICAL JOINT WITH APPROPRIATE RESTRAINTS.
10. CONTRACTOR TO REFER TO MEP SITE PLAN FOR SITE LIGHTING.
11. NO SITE IRRIGATION SYSTEM TO BE INSTALLED AT THIS TIME.
12. ALL SANITARY SEWER PIPING TO BE SDR-35 UNLESS OTHERWISE NOTED.
13. CONTRACTOR TO INSTALL CONCRETE SPLASH BLOCKS AT THE BOTTOM OF ALL GUTTER DOWNSPOUTS IF NOT PIPED INTO COLLECTOR SYSTEM.
14. LOCATE TAPE TO BE INSTALLED OVER ALL NON-METAL IN GROUND PIPING.

STATE OF MISSOURI
MICHAEL KEHOE
GOVERNOR



KYLE R. MILLER
MO LICENSE-2017019013



PwArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PwArchitects.com | 573.449.2683
Missouri State Certificate of Authority No. 000244

PREPARED BY:
CROCKETT
ENGINEERING CONSULTANTS
1000 W. Nilong 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

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
ASSET # 3511501027
CEC # 240158

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: 240158
DRAWN BY: KRM
CHECKED BY: KRM
DESIGNED BY: KRM

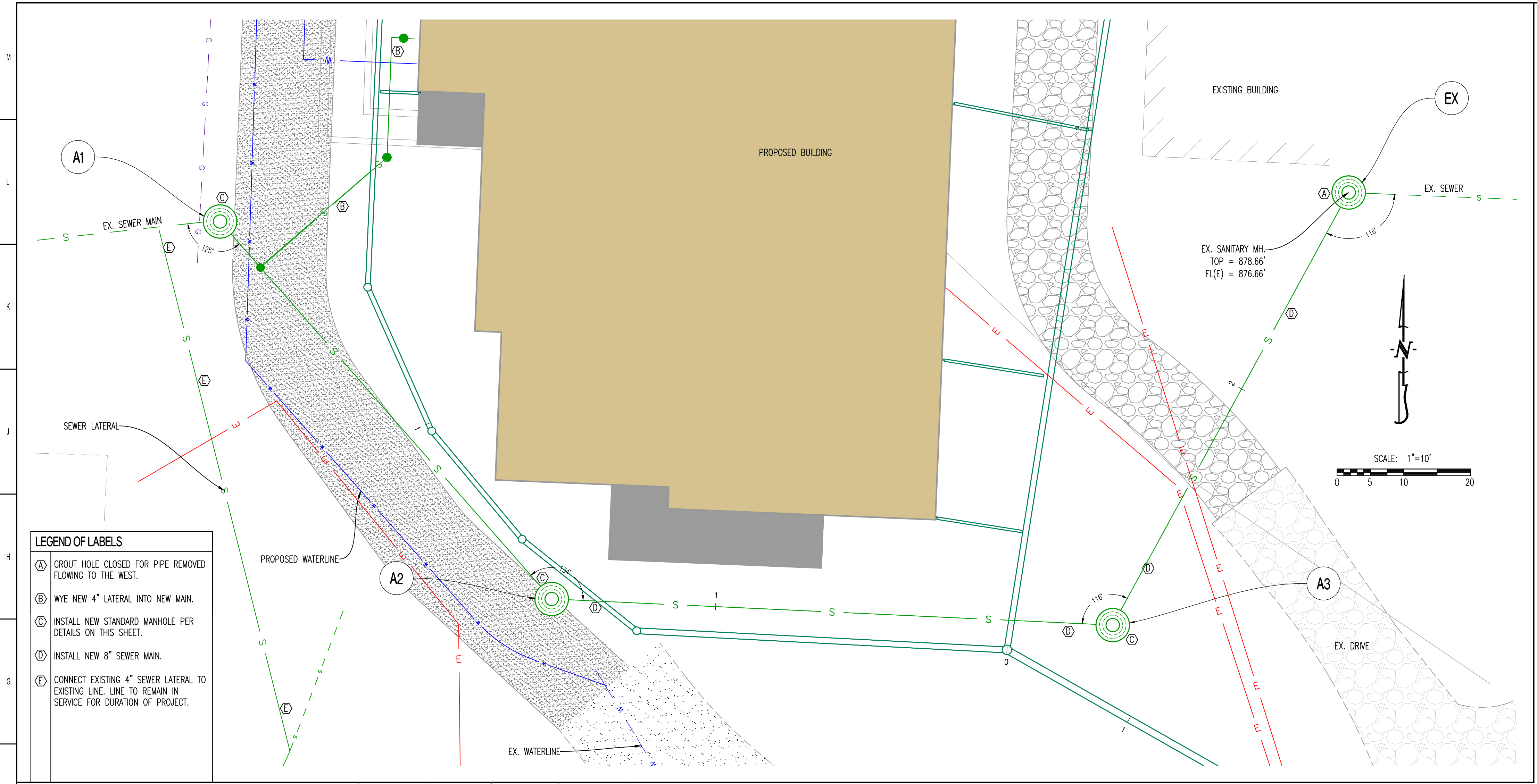
SHEET TITLE:

UTILITY PLAN

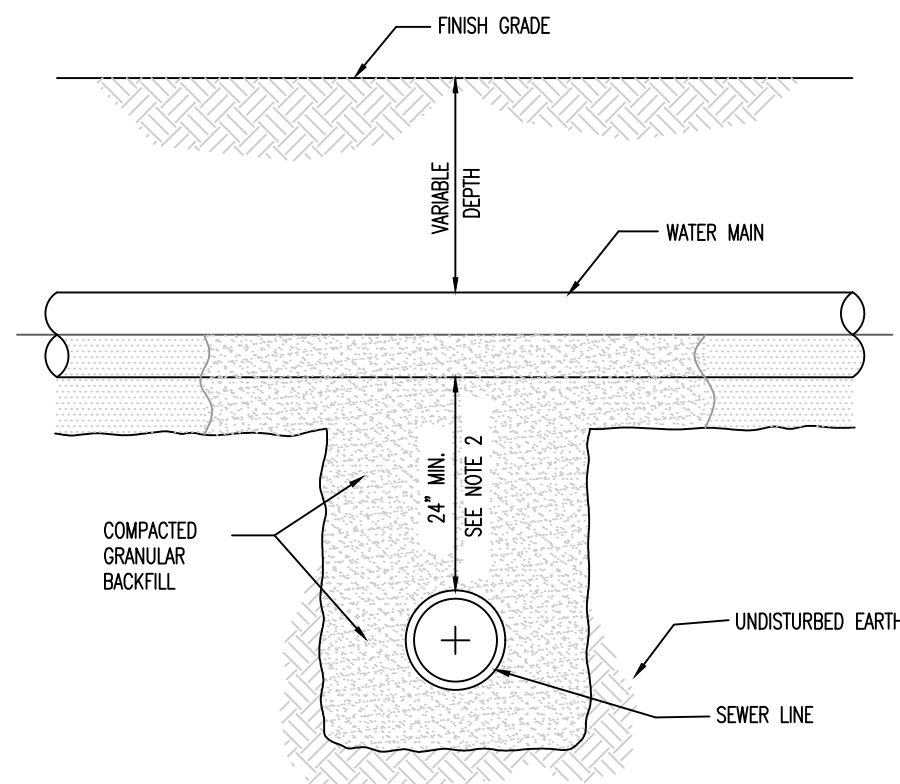
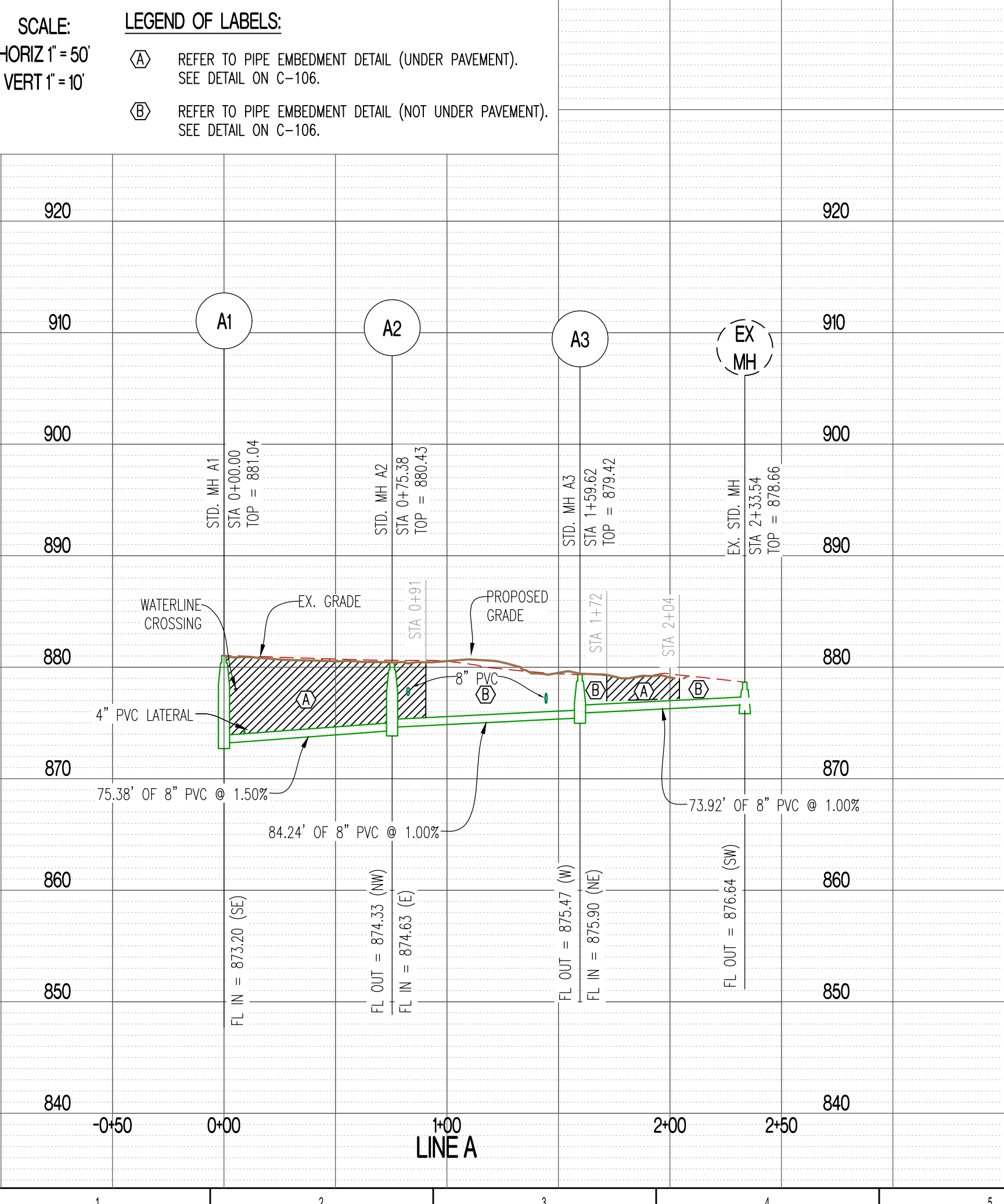
SHEET NUMBER:

C-105

8 OF 55 SHEETS
September 19, 2025

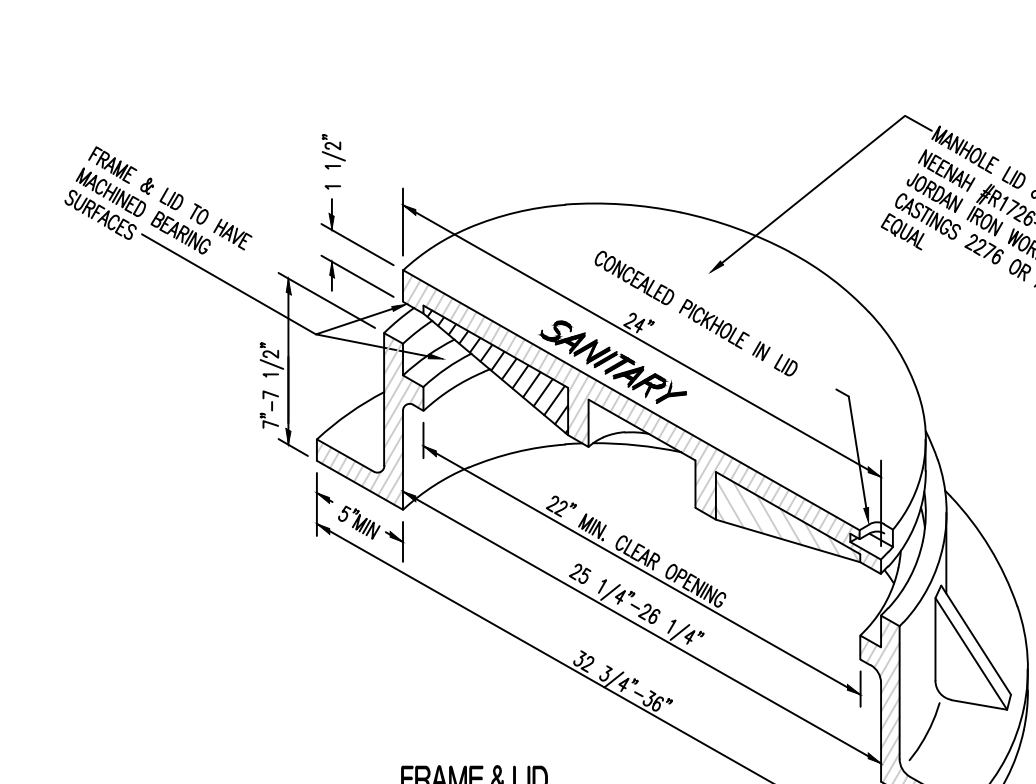


- LEGEND OF LABELS**
- (A) GROUT HOLE CLOSED FOR PIPE REMOVED FLOWING TO THE WEST.
 - (B) WYE NEW 4" LATERAL INTO NEW MAIN.
 - (C) INSTALL NEW STANDARD MANHOLE PER DETAILS ON THIS SHEET.
 - (D) INSTALL NEW 8" SEWER MAIN.
 - (E) CONNECT EXISTING 4" SEWER LATERAL TO EXISTING LINE. LINE TO REMAIN IN SERVICE FOR DURATION OF PROJECT.



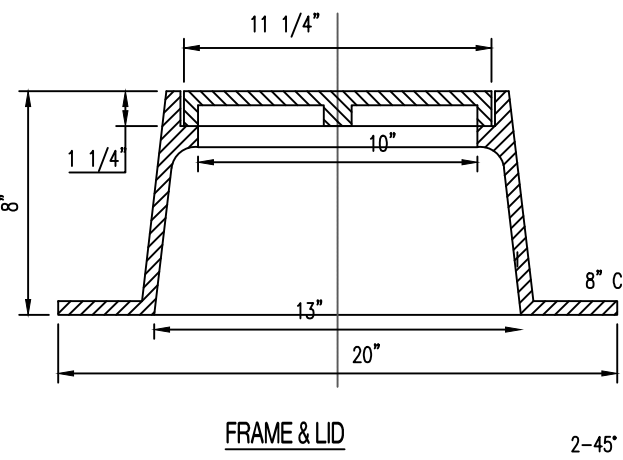
- NOTES:**
- SEWERS CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A VERTICAL SEPARATION THAT IS NO LESS THAN 24 INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER MAIN.
 - THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER LINE CROSSES BELOW THE WATER LINE. CROSSINGS IN WHICH THE SEWER LINE IS ABOVE THE WATER LINE WILL ONLY BE APPROVED ON A CASE BY CASE BASIS.
 - THE CROSSING SHALL BE ARRANGED SO THAT THE ENDS OF A FULL JOINT OF PIPE WILL BE EQUIDISTANT FROM THE WATER MAIN AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS.
 - IF THE VERTICAL SEPARATION BETWEEN THE WATER MAIN AND SEWER MAIN IS LESS THAN 18 INCHES, THE SEWER MAIN SHALL BE D.I.P. OR PRESSURE RATED PVC PIPE WITH A PRESSURE RATING THAT IS EQUAL TO OR GREATER THAN THE WATER MAIN. THE D.I.P. OR PRESSURE RATED P.V.C. MUST BE EXTENDED A DISTANCE 10 FEET ON BOTH SIDES OF THE WATER MAIN. THE TRANSITION BETWEEN PIPE MATERIALS SHALL BE ACCOMPISHED WITH A RESTRAINED MECHANICAL JOINT OR FITTING. FLEXIBLE TYPE (FERRO) FITTINGS ARE NOT ACCEPTABLE.
 - PRESSURE SEWER LINE AND WATER LINE CROSSINGS SHALL BE REVIEWED ON A CASE BY CASE BASIS.

GRAVITY SEWER AND WATER LINE CROSSING

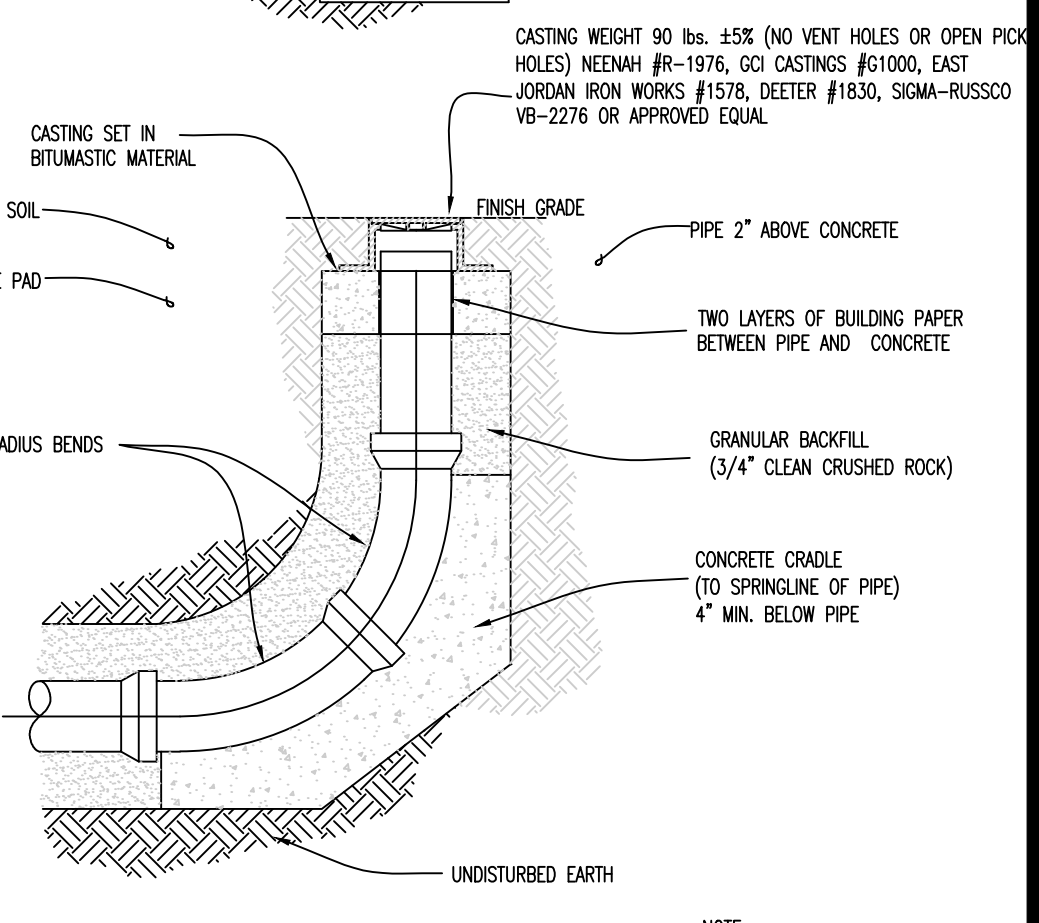


- NOTES:**
- CASTINGS SHALL CONFORM TO A.S.T.M. A48 CLASS 35B.
 - WEIGHT 135 lbs. ±5%. TOTAL WEIGHT OF 350 lbs. ±5%.
 - WATERTIGHT LID AND FRAME TO BE NEENAH #R-1916-F, OR APPROVED EQUAL.
 - MANHOLE STEP AMERICAN STOP ME-10-NCR OR APPROVED EQUAL.
 - BOLT DOWN LIDS SHALL HAVE FRAMES BOLTED TO THE CONE SECTION.

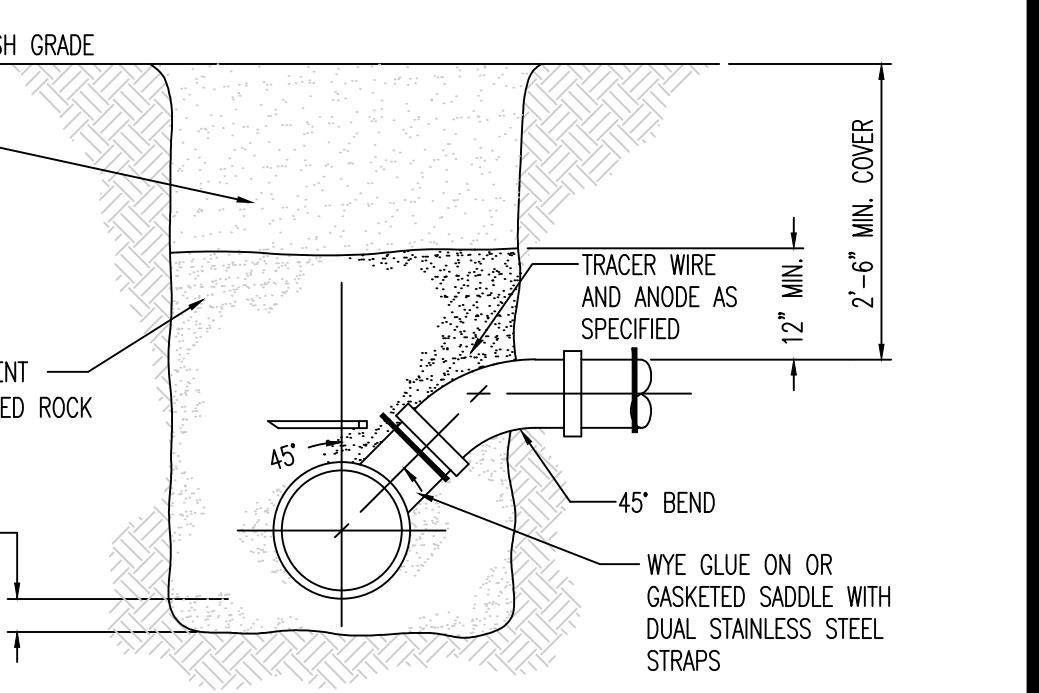
FRAME & LID



FRAME & LID

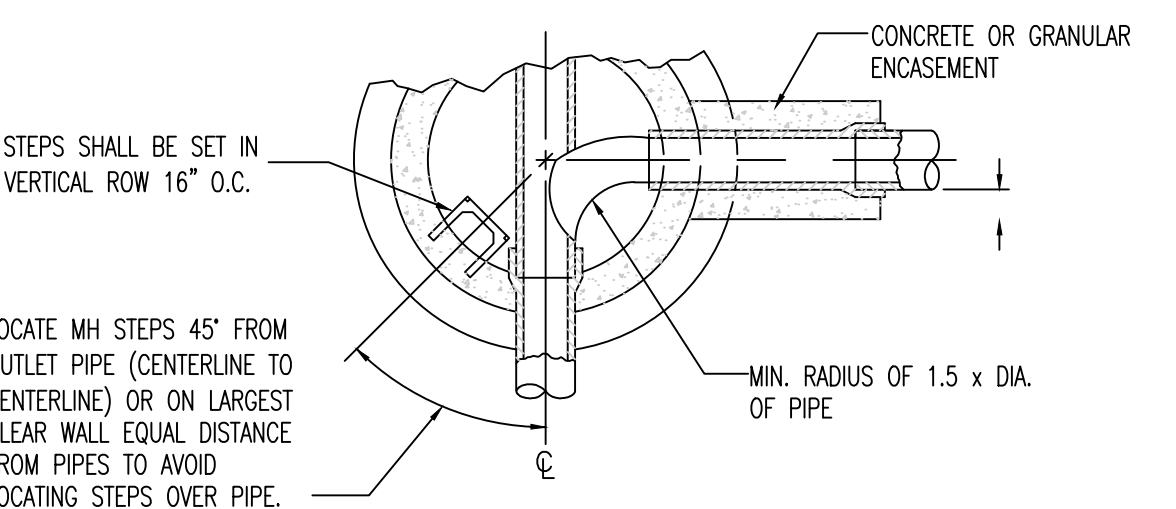


VERTICAL SECTION

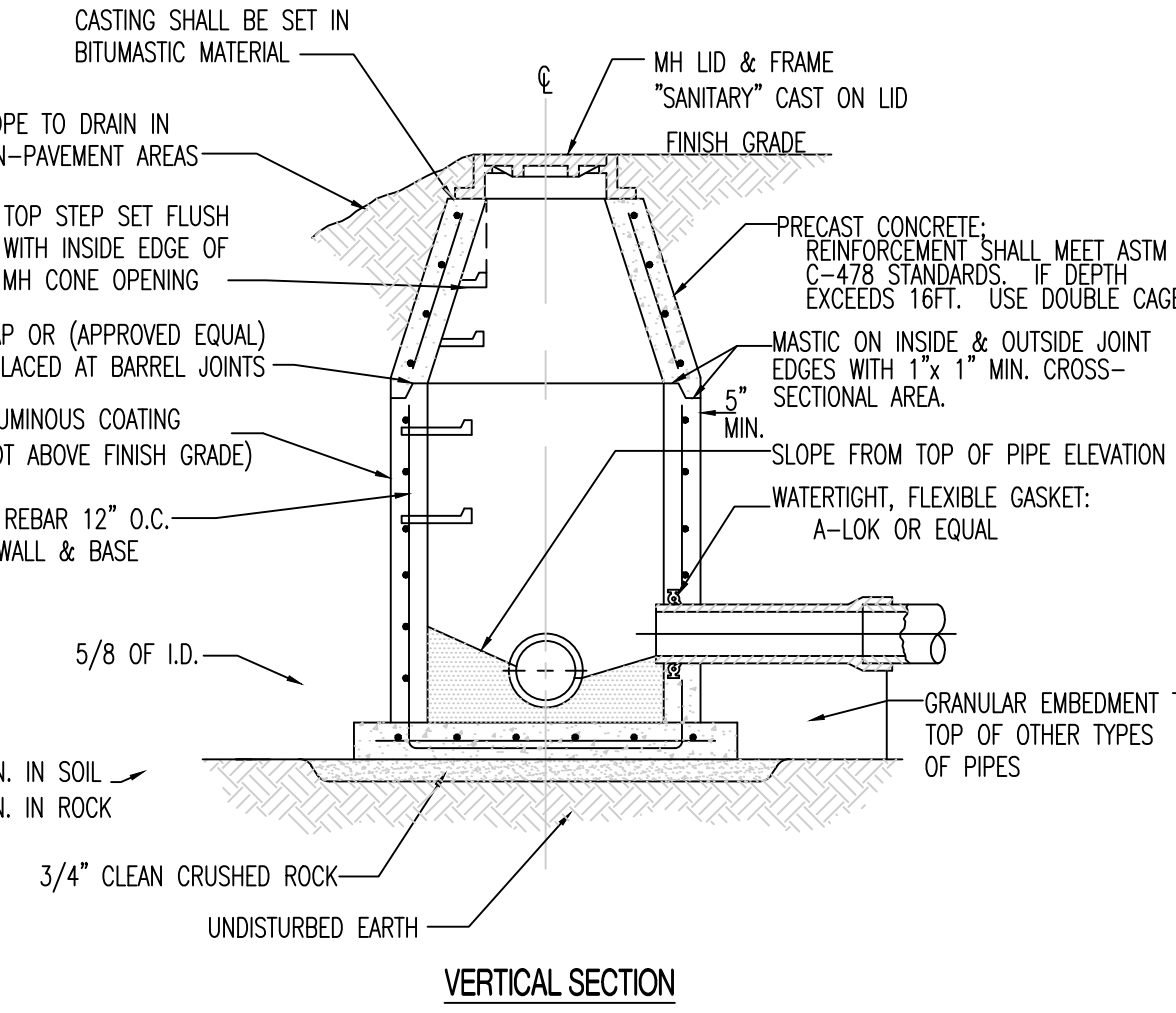


HORIZONTAL SECTION

- NOTES:**
- VCP PIPES SHALL NOT BE TAPPED. REPLACE SECTION OF VCP WITH PVC AND FITTING.



HORIZONTAL SECTION



VERTICAL SECTION



PREPARED BY:
CROCKETT
ENGINEERING CONSULTANTS
1000 W. Nilong 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

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
ASSET # 3511501027
CEC # 240158

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/19/2025

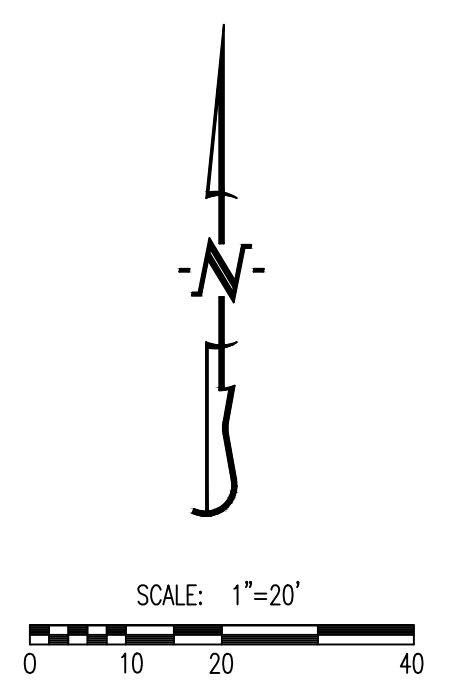
CAD DWG FILE: 240158
DRAWN BY: KRM
CHECKED BY: KRM
DESIGNED BY: KRM

SHEET TITLE:

**SANITARY SEWER
PROFILE - LINE 1**

SHEET NUMBER:

C-107



LEGEND OF LABELS

(A)	INSTALL BUILDING PER ARCHITECTURAL PLANS. SEE ARCHITECTURAL PLANS FOR CANOPY, BOLLARD, AND DOOR LOCATIONS.
(B)	CONSTRUCT NORMAL DUTY CONCRETE PAVEMENT FOR DRIVE LANE, DRIVE APPROACH AND PARKING AREA. REFER TO DETAIL 3 CROSS SECTION ON C-109.
(C)	CONSTRUCT LIGHT DUTY CONCRETE PAVEMENT FOR REAR PATIO AREA. REFER TO DETAIL 2 CROSS SECTION ON C-109.
(D)	CONSTRUCT LIGHT DUTY ASPHALTIC PAVEMENT FOR WEST DRIVE LANE. REFER TO DETAIL 1 CROSS SECTION ON C-109.
(E)	INSTALL GRAVEL DRIVE AND REFER TO DETAIL 4 NORMAL DUTY GRAVEL PAVEMENT CROSS SECTION ON C-109.
(F)	REPAIR EXISTING GRAVEL DRIVE USING NEW CROSS SECTION AT PIPE CROSSING.
(G)	REPAIR EXISTING ROADWAY USING PATCHING DETAIL AT WATERLINE CONNECTION.
(H)	CONSTRUCT 4" THICK, PCC WALK PER PLAN DIMENSIONS AS SHOWN (MAXIMUM LONGITUDINAL SLOPE 1:20. MAXIMUM CROSS SLOPE AT 1:50). REFER TO DETAIL 5 SIDEWALK/PAVEMENT ABUTTING BUILDING CROSS-SECTIONS ON C-109.
(I)	INSTALL 3/4" EXPANSION JOINT BETWEEN BUILDING AND PAVEMENT. REFER TO DETAIL 6 ON C-109.
(J)	EXISTING TREE TO THE SOUTH TO BE REMOVED FOR NEW CONSTRUCTION.
(K)	INSTALL 5'X5' BY 4" THICK CONCRETE PAD OVER 4" BASE ROCK FOR DOOR STOOP.
(L)	EXISTING POWER POLE AND CONCRETE PAD WITH ANTENNA TO REMAIN. SEE MEP PLANS.
(M)	EXISTING FENCE TO REMAIN. REMOVE AND REINSTALL AS REQUIRED FOR UTILITY CONNECTIONS.
(N)	CONTRACTOR TO INSTALL CONCRETE BOLLARD IN FRONT OF EACH COLUMN UNDER THE BUILDING CANOPY. REFER TO ARCHITECTURAL PLANS FOR BOLLARDS DETAILS.

- GENERAL NOTES:**
- CONTRACTOR IS RESPONSIBLE FOR NOTIFYING MISSOURI STATE FAIR PROJECT MANAGER PRIOR TO ANY WORK.
 - THE PAVEMENT JOINTS SHOWN ARE NOT SHOWN ON THIS PLAN. CONTRACTOR TO PROVIDE SHOP DRAWINGS WITH JOINT LAYOUT FOR APPROVAL BY ENGINEER PRIOR TO POURING OF PAVEMENT.
 - CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS.
 - PROVIDE 3/4" EXPANSION JOINT WITH REMOVABLE CAULK STRIP ANYWHERE CONCRETE PAVING OR SIDEWALKS ABUT THE BUILDING. PROVIDE LIMESTONE COLOR ELASTOMERIC JOINT SEALANT.

STATE OF MISSOURI
MICHAEL KEHOE
GOVERNOR



KYLE R. MILLER
MO LICENSE-2017019013



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

PREPARED BY:
CROCKETT
ENGINEERING CONSULTANTS
1000 W. Nilong 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**

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
ASSET # 3511501027
CEC # 240158

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: 240158
DRAWN BY: KRM
CHECKED BY: KRM
DESIGNED BY: KRM

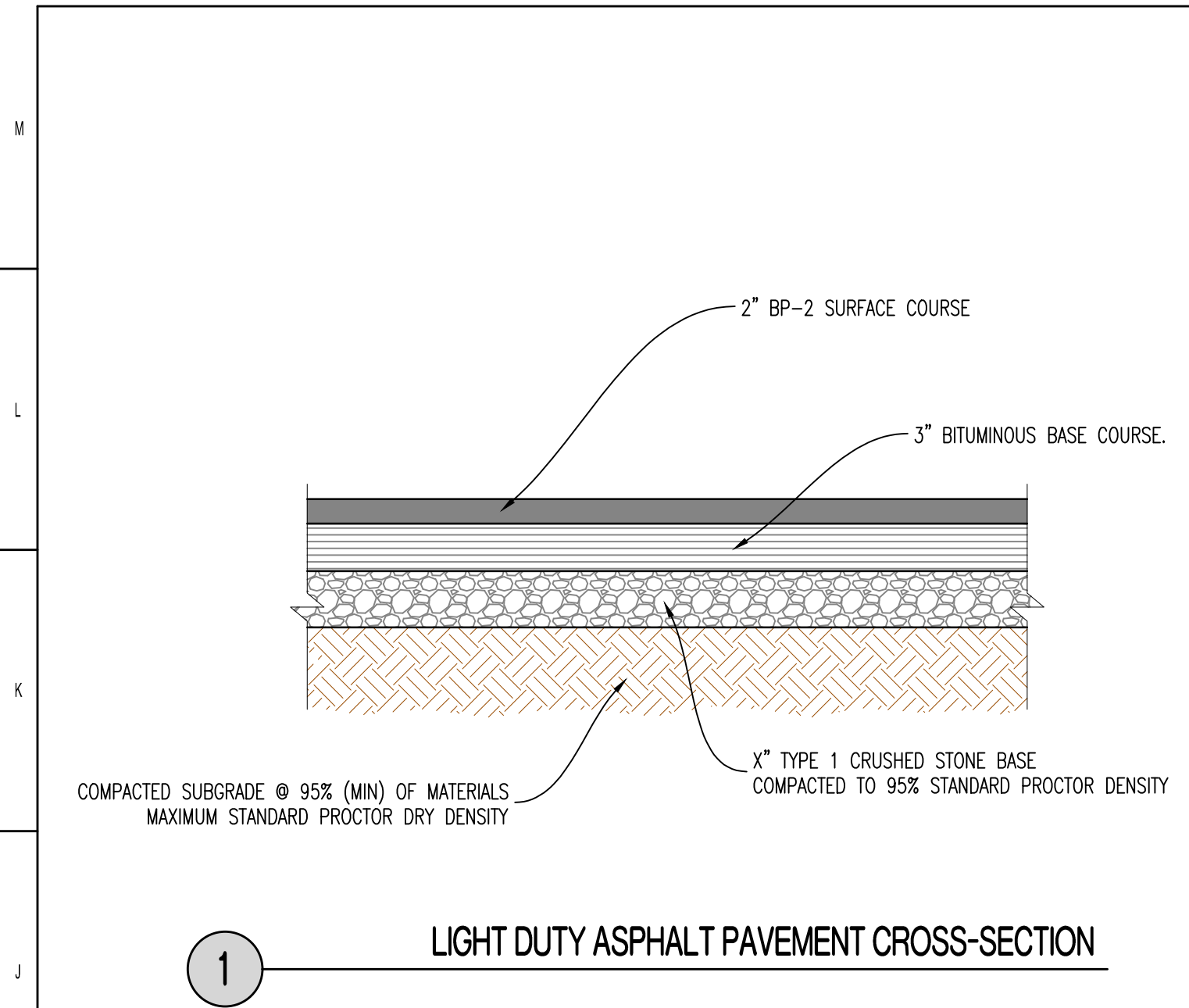
SHEET TITLE:

SITE PLAN

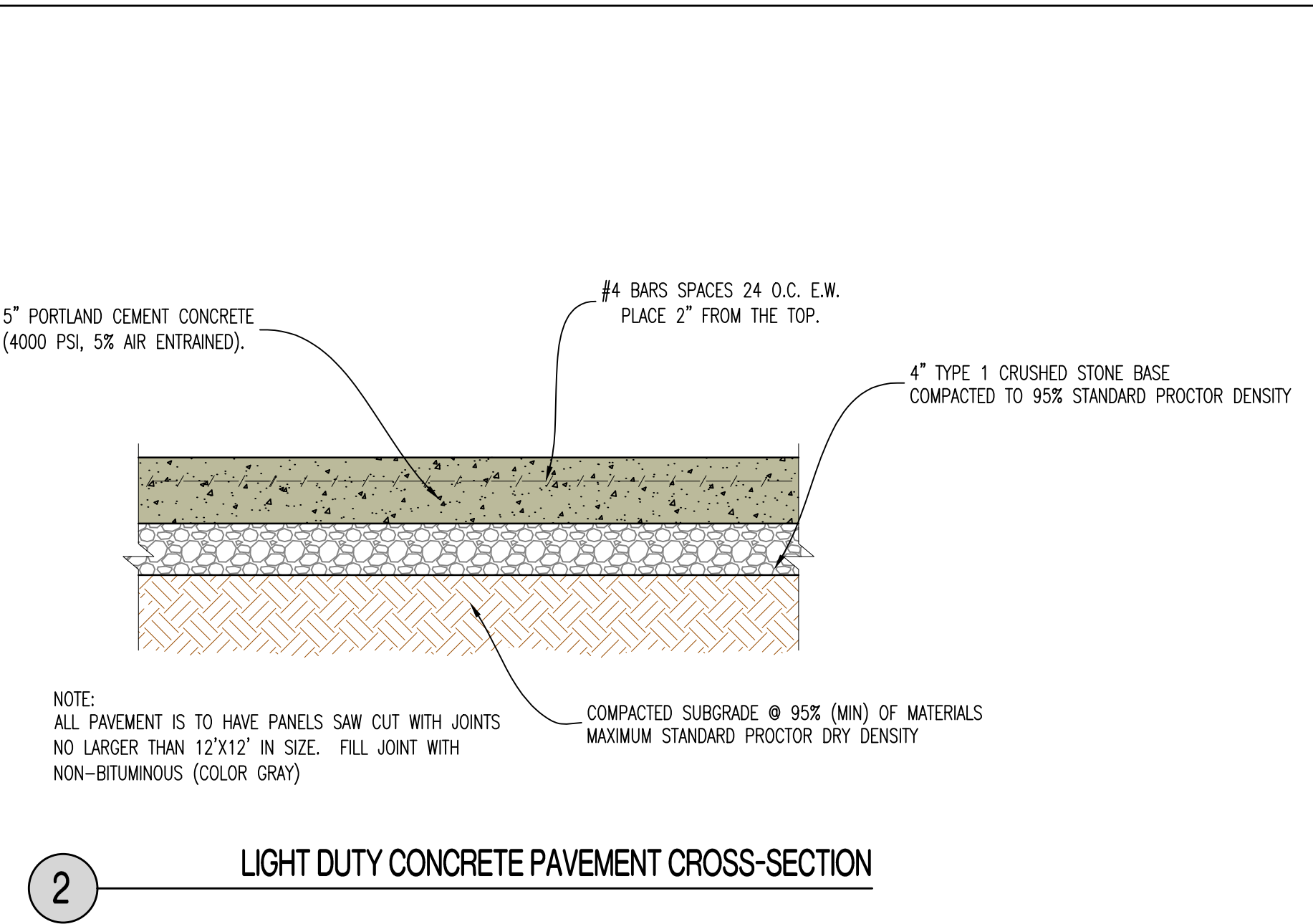
SHEET NUMBER:

C-108

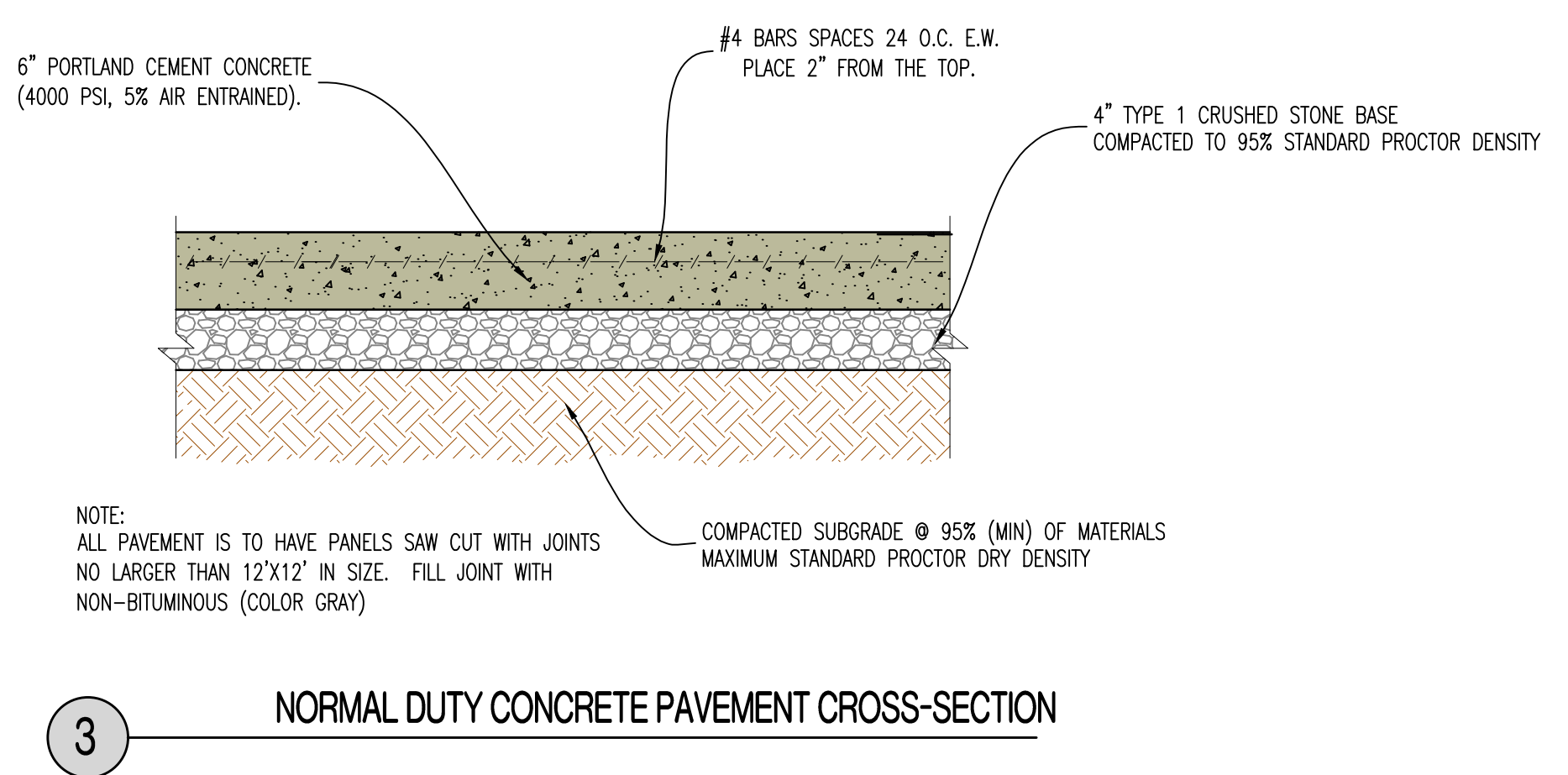
11 OF 55 SHEETS
September 19, 2025



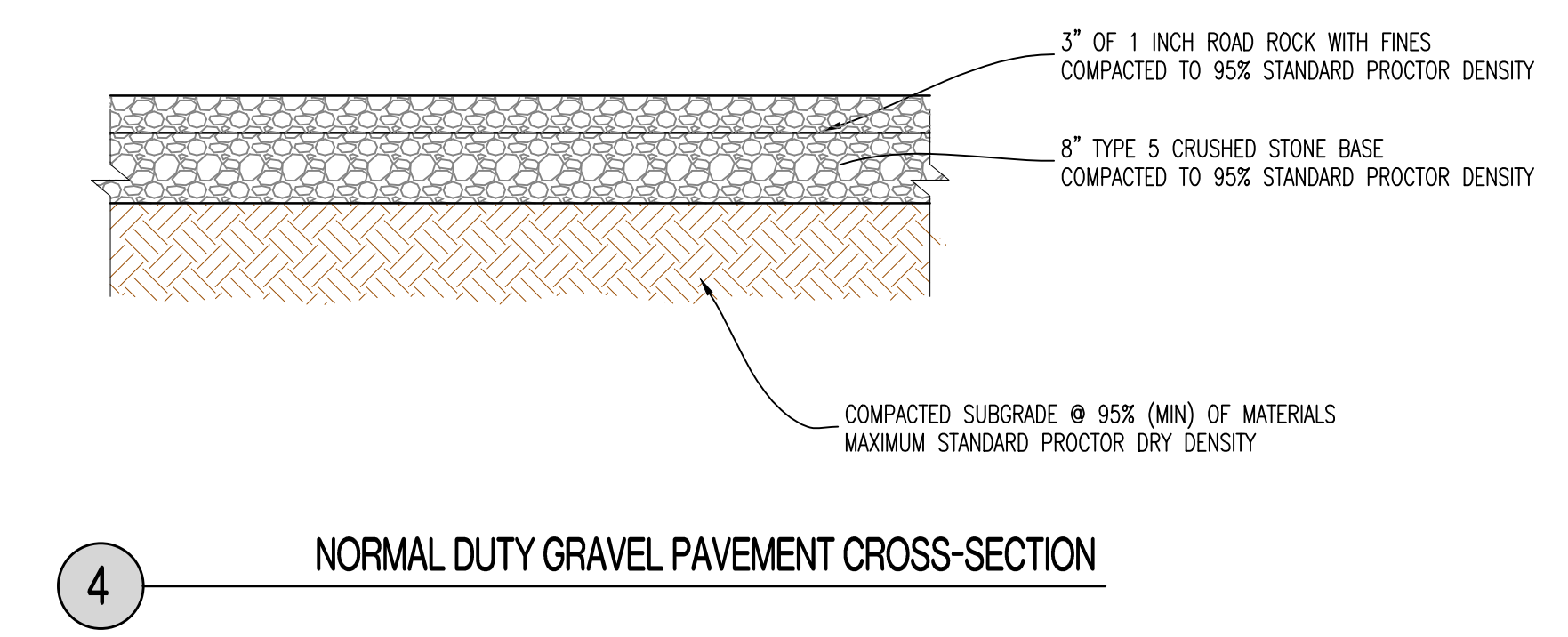
1 LIGHT DUTY ASPHALT PAVEMENT CROSS-SECTION



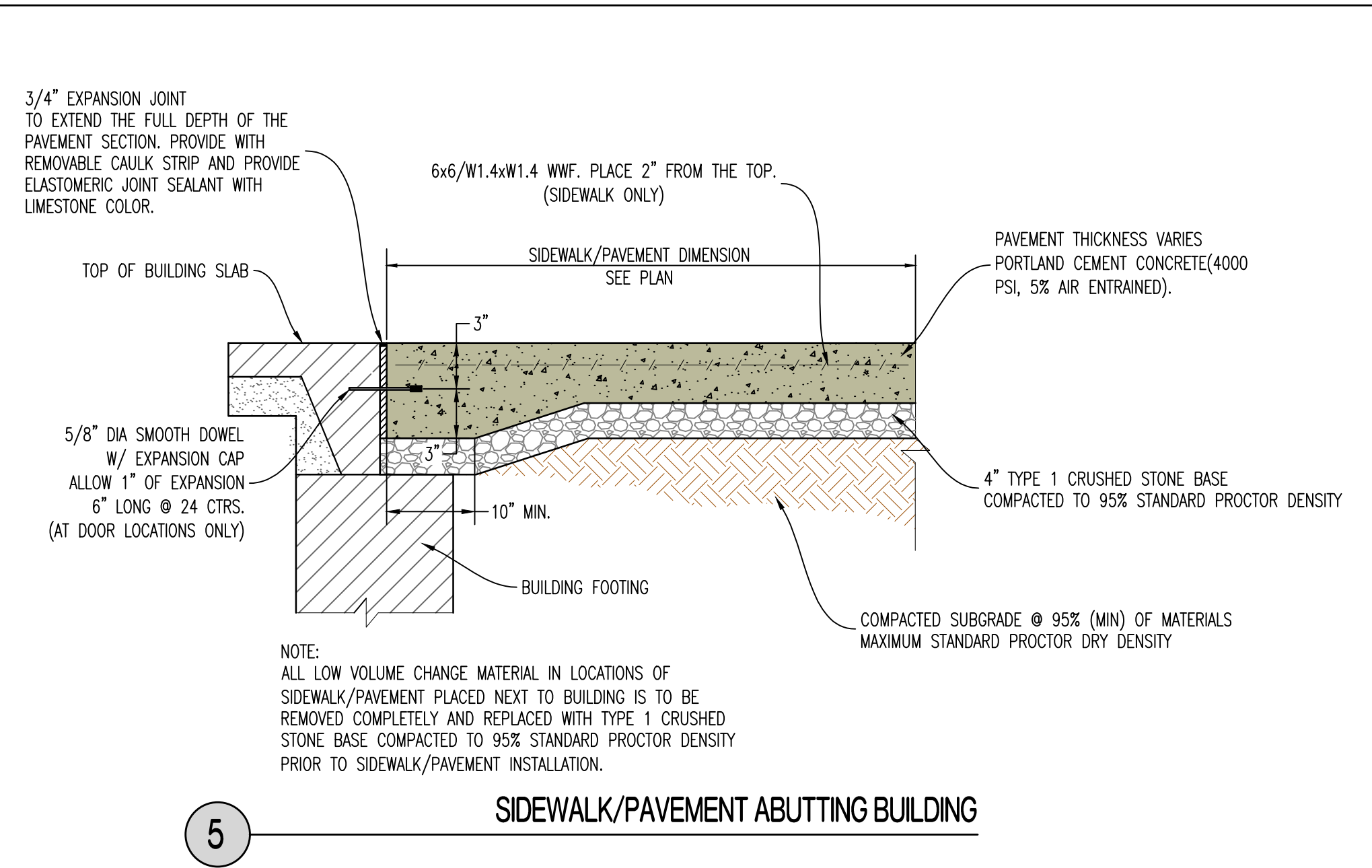
2 LIGHT DUTY CONCRETE PAVEMENT CROSS-SECTION



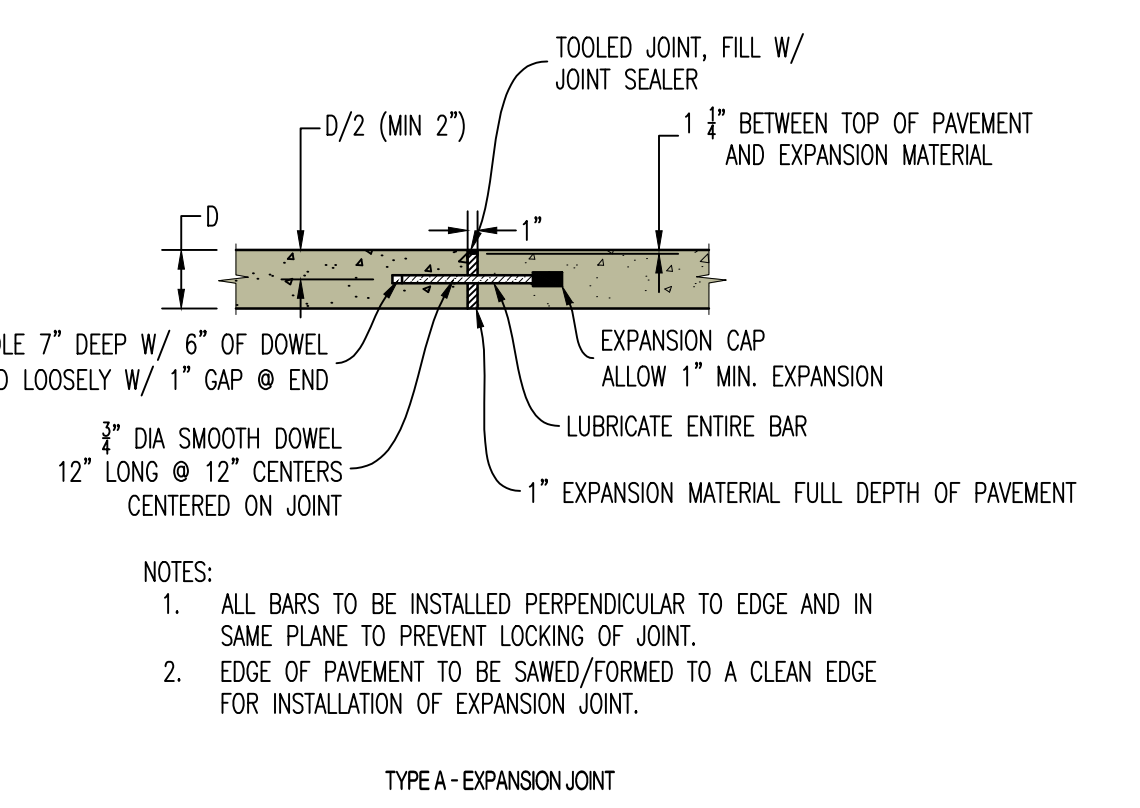
3 NORMAL DUTY CONCRETE PAVEMENT CROSS-SECTION



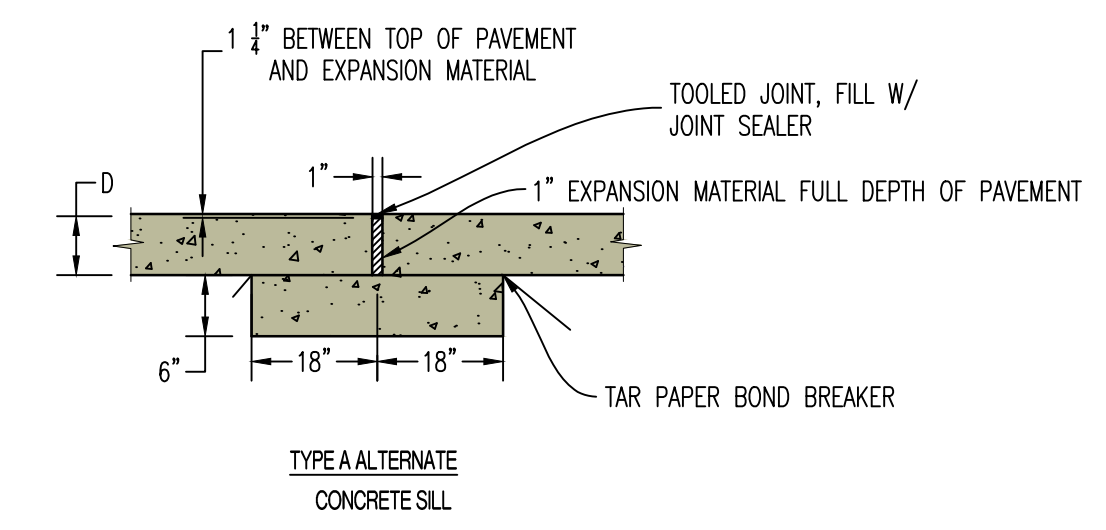
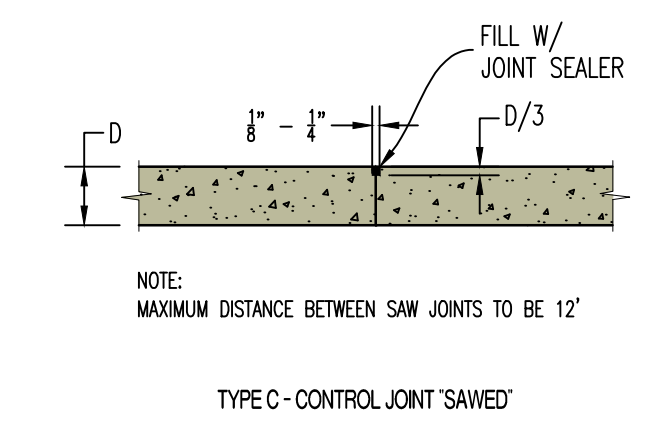
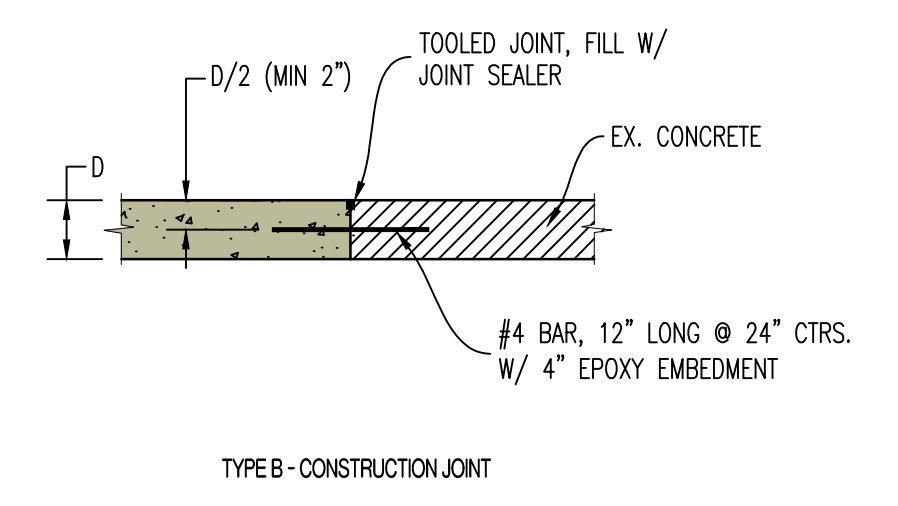
4 NORMAL DUTY GRAVEL PAVEMENT CROSS-SECTION



5 SIDEWALK/PAVEMENT ABUTTING BUILDING



- NOTES:
- ALL BARS TO BE INSTALLED PERPENDICULAR TO EDGE AND IN SAME PLANE TO PREVENT LOCKING OF JOINT.
 - EDGE OF PAVEMENT TO BE SAWED/FORMED TO A CLEAN EDGE FOR INSTALLATION OF EXPANSION JOINT.

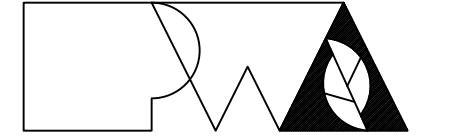


NOTE:
JOINT SEALER TO BE NON-BITUMINOUS (COLOR GRAY)

6 CONCRETE PAVEMENT JOINT DETAILS



KYLE R. MILLER
MO LICENSE-2017019013



Prepared by:
PWA Architects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWAarchitects.com | 573.449.2683
Missouri State Certificate of Authority No. 000244

PREPARED BY:
CROCKETT
ENGINEERING CONSULTANTS
1000 W. Nilong 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

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
CEC # 240158

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: 240158
DRAWN BY: KRM
CHECKED BY: KRM
DESIGNED BY: KRM

SHEET TITLE:

PAVEMENT
DETAILS

SHEET NUMBER:

C-109

MSF - Fire Station Expansion

Sedalia, Pettis County, Missouri

GENERAL NOTES

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

DESIGN SPECIFICATIONS
2012 INTERNATIONAL BUILDING CODE

EARTHWORK
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 JULY 29, 2025.

CONCRETE

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:

- 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
- ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR ENGINEERED FILL.
- CHLORIDE- BASED ADMIXTURES ARE PROHIBITED IN ALL REINFORCED CONCRETE.
- REINFORCING STEEL SHALL CONFORM TO ASTM A615, A616, OR A617, GRADE 60.
- 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.
- CONTINUOUS REINFORCING BARS LAP LENGTH SHALL BE A MINIMUM OF 48 BAR DIAMETERS UNLESS NOTED OTHERWISE.
- 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.
- CONCRETE EXPOSED TO WEATHER, VEHICLES, AND/OR DEICING CHEMICALS SHALL BE AIR-ENTRAINED WITH 6% (+/-) 1.5% ENTRAINMENT AIR BY VOLUME AT POINT OF DISCHARGE. DO NOT ALLOW AIR CONTENT OF TROWELED FINISHED FLOORS TO EXCEED 3%.
- 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.
- READY MIX CONCRETE SHALL COMPLY WITH REQUIREMENTS OF ASTM C94.
- CONCRETE WORK EXECUTION
 - CONSTRUCT FORMS TO CORRECT SIZE, SHAPE, ALIGNMENT, ELEVATION AND POSITION; AND TO SUPPORT VERTICAL AND LATERAL LOADS.
 - 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 EARTH.....	3 INCHES
EXPOSED TO EARTH OR WEATHER.....	2 INCHES
NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH.....	1 1/4 INCHES
 - 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 DISLODGING AGGREGATE.
 - STEEL TROWEL FINISH ALL INTERIOR CONCRETE SLABS, BROOM FINISH ALL EXTERIOR CONCRETE SLABS.
 - 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.

POST-INSTALLED ANCHORS

- 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.
- EXPANSION ANCHORS HAVE BEEN DESIGNED AS HILTI KWIK BOLT TZ ANCHORS, UNLESS NOTED OTHERWISE.
- ADHESIVE ANCHORS HAVE BEEN DESIGNED TO USE HILTI HIT HY 200 ADHESIVE IN CONCRETE OR SOLID MASONRY, UNLESS NOTED OTHERWISE.
- 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).
- 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.
- 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.
- POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE 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.
- STAINLESS STEEL ANCHORS ARE REQUIRED AT ALL PERMANENTLY EXPOSED WEATHER CONDITIONS.

TIMBER

TIMBER WORK SHALL CONFORM TO ALL REQUIREMENTS OF THE CURRENT ANSI/AWC NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION WITH 2015 NDS SUPPLEMENT FOR WOOD CONSTRUCTION, WITH THE FOLLOWING SUPPLEMENTAL REQUIREMENTS:

- FOR COMMON MEMBER SIZES, THE SPECIES AND GRADES SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:

A.	2X4	SPF No.1/No.2
B.	2X6	SPF No.1/No.2
C.	2X8	DF-L No.2
D.	2X10	DF-L S.S.
E.	2X12	DF-L S.S.
- EQUIVALENT (OR BETTER) GRADES & SPECIES MAY BE SUBMITTED FOR THE ENGINEER'S APPROVAL.
- SIZES SHOWN FOR LUMBER ARE NOMINAL SIZES.
- TIMBER EXPOSED TO WEATHER OR GROUND, OR IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE-IMPREGNATED BY AN APPROVED PROCESS AND PRESERVATIVE.
- SPLICING OF JOISTS, STUDS, OR HEADERS IS PROHIBITED EXCEPT AS SHOWN.
- BOLTS SHALL CONFORM TO ASTM A307. HOLES SHALL BE DRILLED PER SECTION 12.1.3 OF THE 2015 ANSI/AWC NDS FOR WOOD CONSTRUCTION NDS SUPPLEMENT.
- LAG SCREWS AND WOOD SCREWS SHALL BE INSTALLED PER SECTIONS 12.1.4 & 12.1.5 RESPECTIVELY, OF THE 2015 ANSI/AWC NDS FOR WOOD CONSTRUCTION WITH 2015 NDS SUPPLEMENT.
- COMMON NAILS SHALL BE USED, UNLESS NOTED OTHERWISE. IN ADDITION, NAILS SHALL BE GALVANIZED, IF EXPOSED TO WEATHER OR MOISTURE. TOE-NAILS SHALL BE DRIVEN PER SECTION 12.1.6.3 OF THE 2015 ANSI/AWC NDS FOR WOOD CONSTRUCTION WITH 2015 NDS SUPPLEMENT.
- FASTENING SHALL BE PER THE IBC MINIMUM FASTENING SCHEDULE, TABLE 2304.10.1, UNLESS NOTED OTHERWISE.
- CONNECTIONS/CONNECTORS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

PREFABRICATED WOOD TRUSSES

- FLOOR & ROOF TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE TRUSS PLATE INSTITUTE (TPI) DESIGN SPECIFICATION FOR METAL PLATE CONNECTED WOOD TRUSSES, AND THE ANSI/NF&PA NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION.
- PROVIDE TEMPORARY AND PERMANENT BRACING ON ALL TRUSSES, AS REQUIRED TO PROVIDE MEMBER AND TRUSS STABILITY.
- FLOOR & ROOF TRUSSES SHALL BE DESIGNED AND CONSTRUCTED FOR A MAXIMUM TOTAL LOAD DEFLECTION OF L/360 AND TO SAFELY SUPPORT THE FOLLOWING LOADS:
 - DEAD, LIVE, SNOW, WIND, EARTHQUAKE: SEE PROJECT DESIGN DATA ON COVER SHEET.
 - MECHANICAL PIPE LOAD: TRUSSES SHALL BE DESIGNED FOR A CONCENTRATED LOAD OF 250 LBS HUNG ANYWHERE ALONG THE BOTTOM CHORD.
 - OVER-FRAMING LOAD: TRUSSES SHALL ALSO BE DESIGNED TO SUPPORT ADDITIONAL OVERBUILD FRAMING, SUCH AS THAT WHICH FORMS VALLEYS AND HIPS ON ROOFS.
 - DRIFTED SNOW LOAD: TRUSSES SHALL BE DESIGNED TO SUPPORT DRIFTED SNOW LOADS IN ACCORDANCE WITH THE APPROPRIATE BUILDING CODE.
 - IN-PLANE LATERAL LOADS: TRUSSES SHALL BE DESIGNED TO SUPPORT ANY LATERAL LOADS CARRIED AXIALLY IN THE PLANE OF THE TRUSS, AS SHOWN ON THE PLANS.
- GABLED END TRUSSES SHALL HAVE VERTICAL MEMBERS SPACED AT 16" O.C. MAXIMUM.
- SUBMITTALS SHALL INCLUDE THE FOLLOWING:
 - SHOP DRAWINGS PREPARED UNDER THE SUPERVISION OF, AND SIGNED AND SEALED BY, A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS BUILT. THESE DRAWINGS SHALL INDICATE SPECIES, GRADE, AND SIZES OF LUMBER TO BE USED; PITCH, SPAN, CAMBER, CONFIGURATION, AND SPACING FOR EACH TYPE OF TRUSS REQUIRED; TYPE, SIZE, MATERIAL, FINISH, AND LOCATION OF METAL CONNECTOR PLATES; AND BEARING DETAILS. SHOW TRUSS LAYOUT AND ALL REQUIRED TEMPORARY AND PERMANENT BRACING AFFECTING THE STRUCTURAL CAPACITY OF THE TRUSSES.

PROVIDE COMPLETE ENGINEERING DESIGN CALCULATIONS THAT INCLUDE DESIGN VALUES, DESIGN ANALYSIS INDICATING LOADING, ASSUMED ALLOWABLE STRESSES, STRESS DIAGRAMS, AND CALCULATIONS, AND ANY OTHER INFORMATION NEEDED FOR REVIEW. THE CALCULATIONS SHALL HAVE BEEN SIGNED AND SEALED BY A QUALIFIED PROFESSIONAL ENGINEER WHO IS REGISTERED IN THE STATE WHERE THE PROJECT IS BUILT AND WHO IS RESPONSIBLE FOR PREPARATION OF THE CALCULATIONS.

SPECIAL INSPECTIONS

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

- CONCRETE GROUT DESIGN MIX (PERIODIC)
- PLACING OF CONCRETE AND REINFORCING STEEL (CONTINUOUS OF CONCRETE SAMPLING / PERIODIC OF REINFORCING)
- BOLTS & ANCHORS EMBEDDED IN CONCRETE (PERIODIC)
- POST INSTALLED ANCHORS IN CONCRETE (CONTINUOUS)
- IN-SITU SOILS, EXCAVATIONS, FILLING & COMPACTION (PERIODIC)
- WOOD FRAMING:
 - SHEAR WALLS; WALL SIZE, CONFIGURATION, BLOCKING, PANEL GRADE, PANEL THICKNESS, AND FASTENING. (PERIODIC)
 - DIAPHRAGMS (FLOOR AND ROOF SHEATHING); SIZE, CONFIGURATION, BLOCKING, PANEL GRADE, PANEL THICKNESS, AND FASTENING. (PERIODIC)
 - FRAMING MEMBERS AND DETAILS (PERIODIC)
 - MATERIAL GRADE (PERIODIC)
 - CONNECTIONS; HANGERS, HOLD DOWNS, BUILT-UP COLUMNS, BUILT-UP BEAMS (PERIODIC)
 - PRE-ENGINEERED TRUSSES; FRAMING, CONNECTIONS, BRIDGING (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.

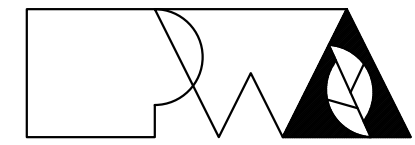
DESIGN DATA

2021 INTERNATIONAL BUILDING CODE / ASCE 7-16	
BUILDING OCCUPANCY CATEGORY	II
ROOF LOAD DATA	
LIVE LOAD	20
ASPHALT SHINGLES + FELT	3.0
5/8" OSB ROOF SHEATHING	3.0
PRE-ENGINEERED WOOD TRUSSES @ 2'-0" O.C.	4.0
INSULATION (BLOWN)	10
MECHANICAL ALLOWANCE	7.0
5/8" GYP CEILING	2.0
SOLAR	5.0
TOTAL TO TRUSSES	45 lbs/sqft
RAIN LOADING	
15 MINUTE RAIN INTENSITY	6.48 in/yr
60 MINUTE RAIN INTENSITY	3.24 in/yr
ROOF SNOW LOAD DATA: (UNBALANCED & DRIFTING SNOW TO BE DETERMINED IN ADDITION TO UNIFORM LOAD, WHERE APPLICABLE)	
P_s	20 lbs/sqft
C_e	10
I_e	10
C_d	10
P_f	1400 lbs/sqft
WIND DESIGN DATA	
V_{50}	109 MPH (3-SECOND GUST)
RISK CATEGORY	II
EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT =	+ 0.18
DIRECTIONAL PROCEDURE (MWFRS - ASCE 7, CH 27; C&C - ASCE 7, CH 30, PART 4)	
MAXIMUM COMPONENTS & CLADDING WIND	+/- 34.61 lbs/sqft
EARTHQUAKE DESIGN DATA	
RISK CATEGORY	II
I_e	10
S_D	0.137
S_1	0.084
SITE CLASS	D
S_{DS}	0.146
S_{D1}	0.134
SEISMIC DESIGN CATEGORY	C
BASIC SEISMIC-FORCE-RESISTING SYSTEM = LIGHT-FRAME (WOOD) WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE	
R	6.5
Ω_p	3.0
C_d	4.0
DESIGN BASE SHEAR	$V = 0.022W$
EQUIVALENT LATERAL FORCE PROCEDURE	
NET ALLOWABLE SOIL BEARING	2,500 lbs/sqft** ISOLATED 2,100 lbs/sqft** CONTINUOUS
(**PER GEOTECH REPORT BY CROCKETT GEOTECHNICAL-TESTING LAB, DATED JULY 29, 2025)	

INDEX OF SHEETS

COVER / GENERAL STRUCTURAL DATA	S100
FOUNDATION PLAN	S200
FOUNDATION DETAILS	S210
ROOF FRAMING PLAN	S300
SHEAR WALL PLANS	S300A
ROOF FRAMING DETAILS	S310-S313

STATE OF MISSOURI
MICHAEL KEHOE
GOVERNOR



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

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION

MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
ASSET # 3511501027
CEC # 240158

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: 240158
DRAWN BY: SES
CHECKED BY: JVV
DESIGNED BY: JVV

SHEET TITLE:

GENERAL
STRUCTURAL
DATA

SHEET NUMBER:

S100

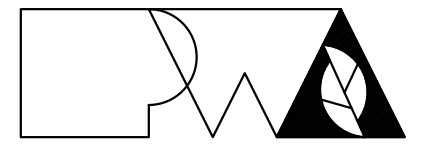
13 OF 55 SHEETS
September 19, 2025

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.

FOUNDATION NOTES

- ① REENTRANT CORNER BARS, REFER TO TYPICAL CRACK CONTROL REINFORCING DETAIL ON SHEET S210.
- ② FOOTING STEP LOCATION. REFER TO TYPICAL DETAIL FS1/S210.

STATE OF MISSOURI
 MICHAEL KEHOE
 GOVERNOR



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

OFFICE OF
 ADMINISTRATION
 DIVISION OF
 FACILITIES
 MANAGEMENT,
 DESIGN AND
 CONSTRUCTION

NEW FIRE STATION
 MISSOURI STATE FAIR
 SEDALIA, MISSOURI

PROJECT # F2405-01
 SITE # 1501
 ASSET # 3511501027
 CEC # 240158

REVISION: _____
 DATE: _____
 REVISION: _____
 DATE: _____
 REVISION: _____
 DATE: _____
 ISSUE DATE: 09/19/2025

CAD DWG FILE: 240158
 DRAWN BY: SES
 CHECKED BY: JWV
 DESIGNED BY: JWV

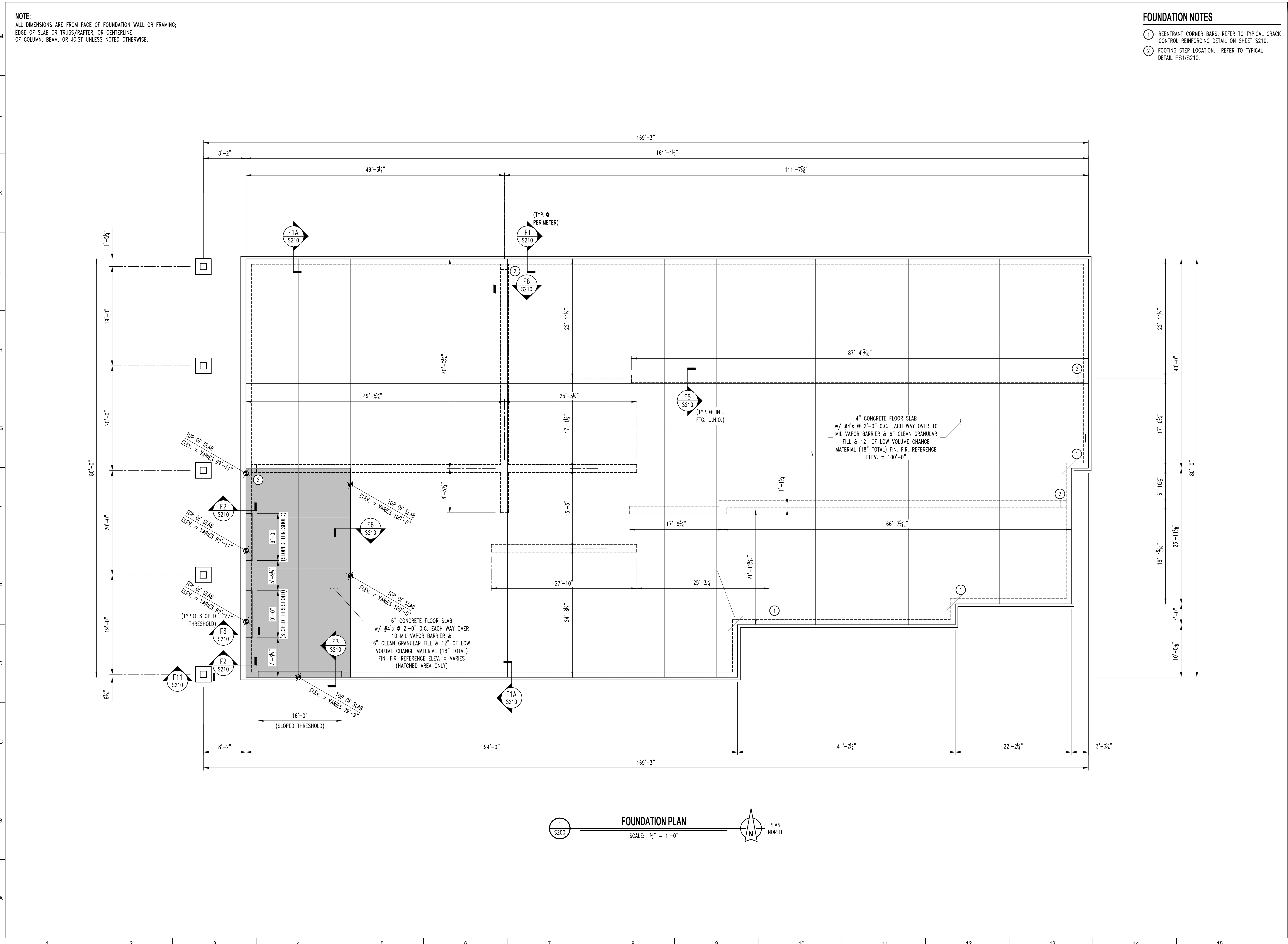
SHEET TITLE:

FOUNDATION
 PLAN

SHEET NUMBER:

S200

14 OF 55 SHEETS
 September 19, 2025



FOUNDATION PLAN
 SCALE: 1/8" = 1'-0"
 PLAN NORTH

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.

FLOOR FRAMING NOTES

- ① (3) DOUG. FIR SEL. STR. 2x12's w/
3-PLY STUD PACK @ EACH END
- ② (2) DOUG. FIR SEL. STR. 2x10's w/
3-PLY STUD PACK @ EACH END
- ③ (2) TREATED PWT 1.75x11.875 LVL
BEAM FASTENED TO POST w/
SIMPSON HUC410 CONCEALED FLANGE
FACE MOUNT HANGER.
- ④ GIRDER TRUSS
- ⑤ 3-PLY BUILT-UP STUD PACK BENEATH
GIRDER TRUSS THIS LEVEL TO FLOOR SLAB
CONNECTIONS ARE AS FOLLOWS:
FLOOR SLAB: SIMPSON LTPF2.
ROOF TRUSS: BY TRUSS MANUFACTURER
- ⑥ MECHANICAL UNIT. REFER TO MEP
FOR LOADING LOCATIONS.
- ⑦ EXHAUST HOOD (APPROXIMATELY 800
LBS.) SUSPENDED FROM TRUSSES REFER
TO MEP FOR LOADING LOCATIONS.

STATE OF MISSOURI
MICHAEL KEHOE
GOVERNOR



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

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
ASSET # 3511501027
CEC # 240158

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: 240158
DRAWN BY: SES
CHECKED BY: JWV
DESIGNED BY: JWV

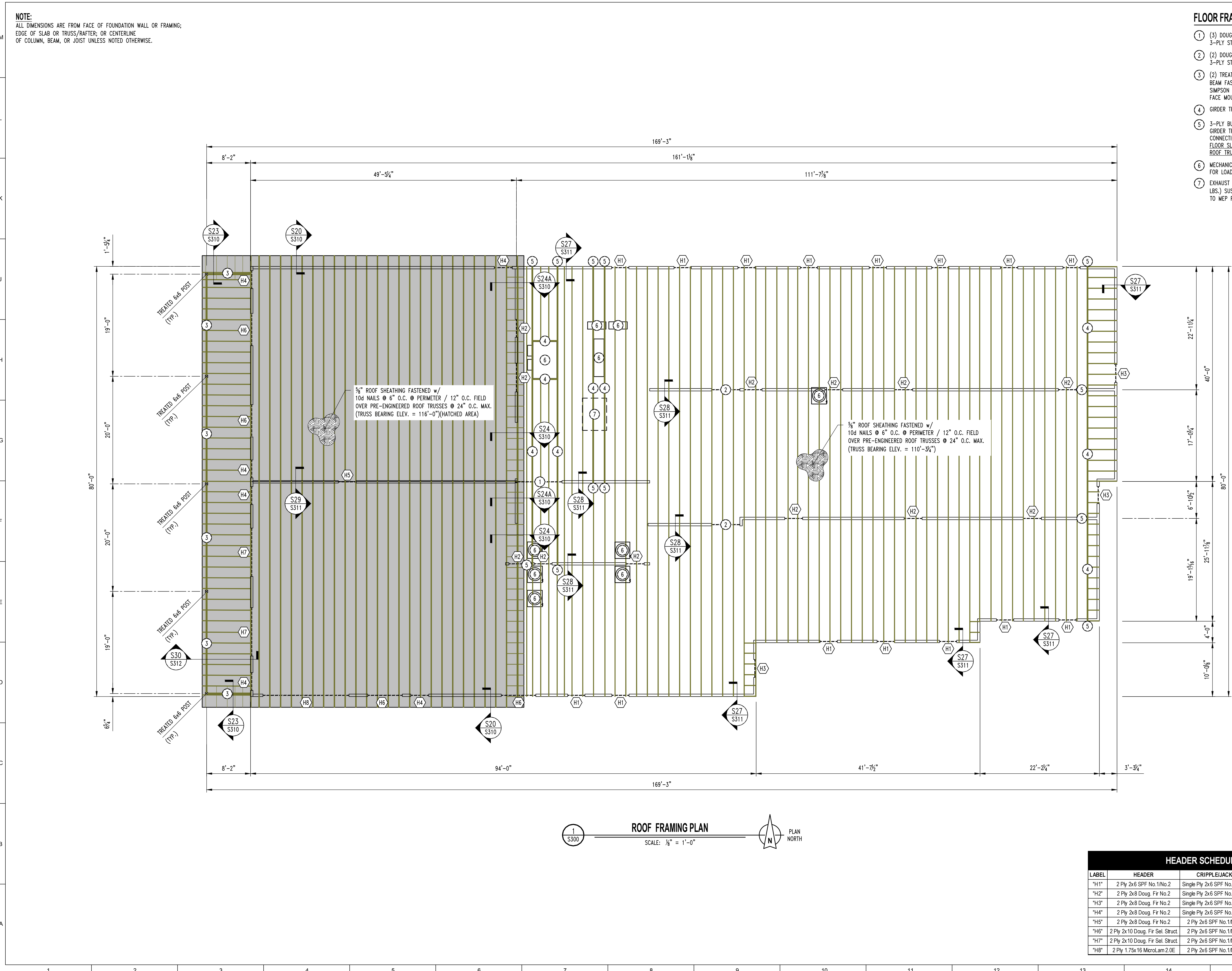
SHEET TITLE:

**ROOF FRAMING
PLAN**

SHEET NUMBER:

S300

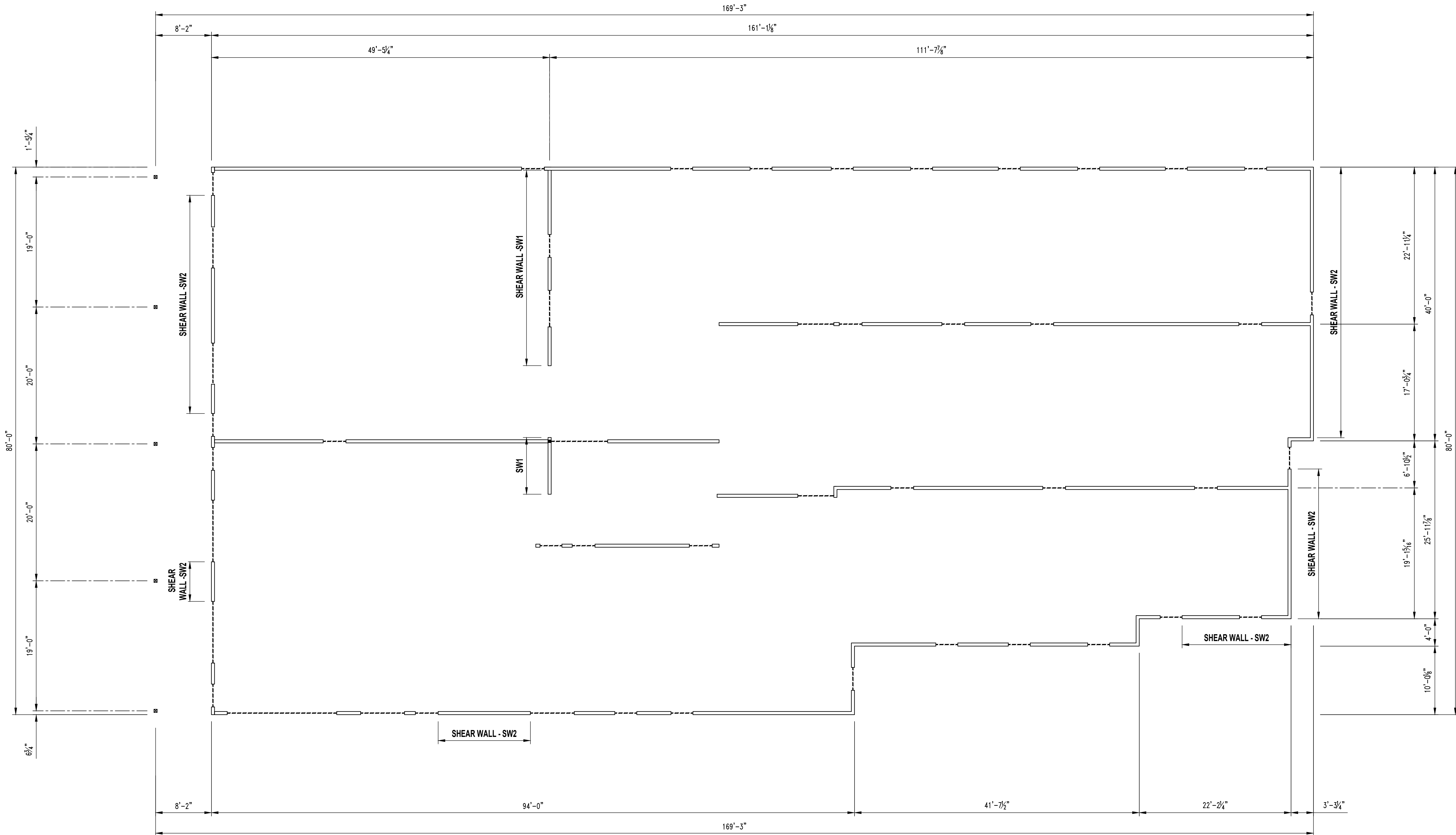
16 OF 55 SHEETS
September 19, 2025



1
S300
ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"
PLAN NORTH

HEADER SCHEDULE			
LABEL	HEADER	CRIPPLE/JACK	JAMBIKING
"H1"	2 Ply 2x6 SPF No.1/No.2	Single Ply 2x6 SPF No.1/No.2	2 Ply 2x6 SPF No.1/No.2
"H2"	2 Ply 2x8 Doug. Fir No.2	Single Ply 2x6 SPF No.1/No.2	Single Ply 2x6 SPF No.1/No.2
"H3"	2 Ply 2x8 Doug. Fir No.2	Single Ply 2x6 SPF No.1/No.2	2 Ply 2x6 SPF No.1/No.2
"H4"	2 Ply 2x8 Doug. Fir No.2	Single Ply 2x6 SPF No.1/No.2	3 Ply 2x6 SPF No.1/No.2
"H5"	2 Ply 2x8 Doug. Fir No.2	2 Ply 2x6 SPF No.1/No.2	Single Ply 2x6 SPF No.1/No.2
"H6"	2 Ply 2x10 Doug. Fir Sel. Struct	2 Ply 2x6 SPF No.1/No.2	5 Ply 2x6 SPF No.1/No.2
"H7"	2 Ply 2x10 Doug. Fir Sel. Struct	2 Ply 2x6 SPF No.1/No.2	6 Ply 2x6 SPF No.1/No.2
"H8"	2 Ply 1.75x16 MicroLam 2.0E	2 Ply 2x6 SPF No.1/No.2	10 Ply 2x6 SPF No.1/No.2

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.



1
S300A
SHEAR WALL PLAN
SCALE: 1/8" = 1'-0"
PLAN NORTH

SHEAR WALL KEY

SW1 SHEAR WALL

- 7/16" OSB SHEATHING FASTENED WITH 8D NAILS @ 2" O.C. @ PERIMETER / 12" O.C. FIELD
- 1/2" DIAMETER X 6" SIMPSON TITEN HD ANCHOR SCREWS @ 0'-6" O.C.
- REQUIRES SIMPSON HDU14-SDS2.5 HOLDOWN FASTENED TO 3-PLY STUDS W/ (36) 1/4" X 2-1/2" SDS SCREWS W/ 1" DIAMETER A307 THREADED ROD W/ HEAVY HEX NUT AND 16" TOTAL (8" INTO FOOTING) SIMPSON "AT-3G" EPOXY EMBEDMENT AT EACH END OF THE SHEAR WALL

SW2 SHEAR WALL

- 7/16" OSB SHEATHING FASTENED WITH 8D NAILS @ 4" O.C. @ PERIMETER / 12" O.C. FIELD
- 1/2" DIAMETER X 6" SIMPSON TITEN HD ANCHOR SCREWS @ 2'-0" O.C.
- REQUIRES SIMPSON HTTA TENSION TIE FASTENED TO 3-PLY STUDS W/ (18) 16D NAILS W/ 5/8" DIAMETER A307 THREADED ROD W/ 14" TOTAL (6" INTO FOOTING) SIMPSON "AT-3G" EPOXY EMBEDMENT AT EACH END OF THE SHEAR WALL

TYPICAL SHEAR WALL UNLESS NOTED

- 7/16" OSB SHEATHING FASTENED WITH 8D NAILS @ 4" O.C. @ PERIMETER / 12" O.C. FIELD
- 1/2" DIAMETER X 6" SIMPSON TITEN HD ANCHOR SCREWS @ 3'-0" O.C.
- NO HOLDOWNS OR STRAP TIES REQUIRED

STATE OF MISSOURI
MICHAEL KEHOE
GOVERNOR



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

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
ASSET # 3511501027
CEC # 240158

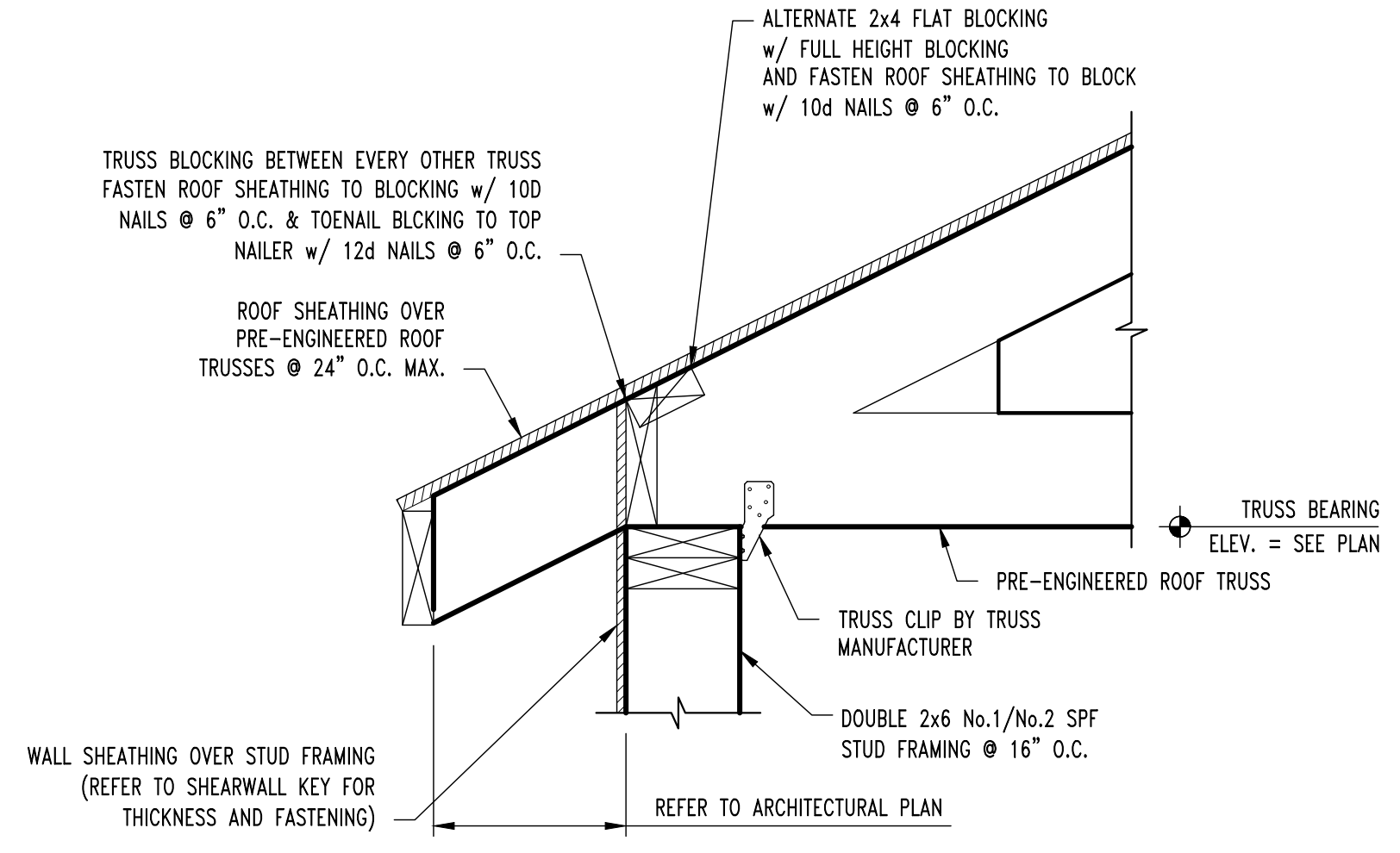
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: 240158
DRAWN BY: SES
CHECKED BY: JWV
DESIGNED BY: JWV

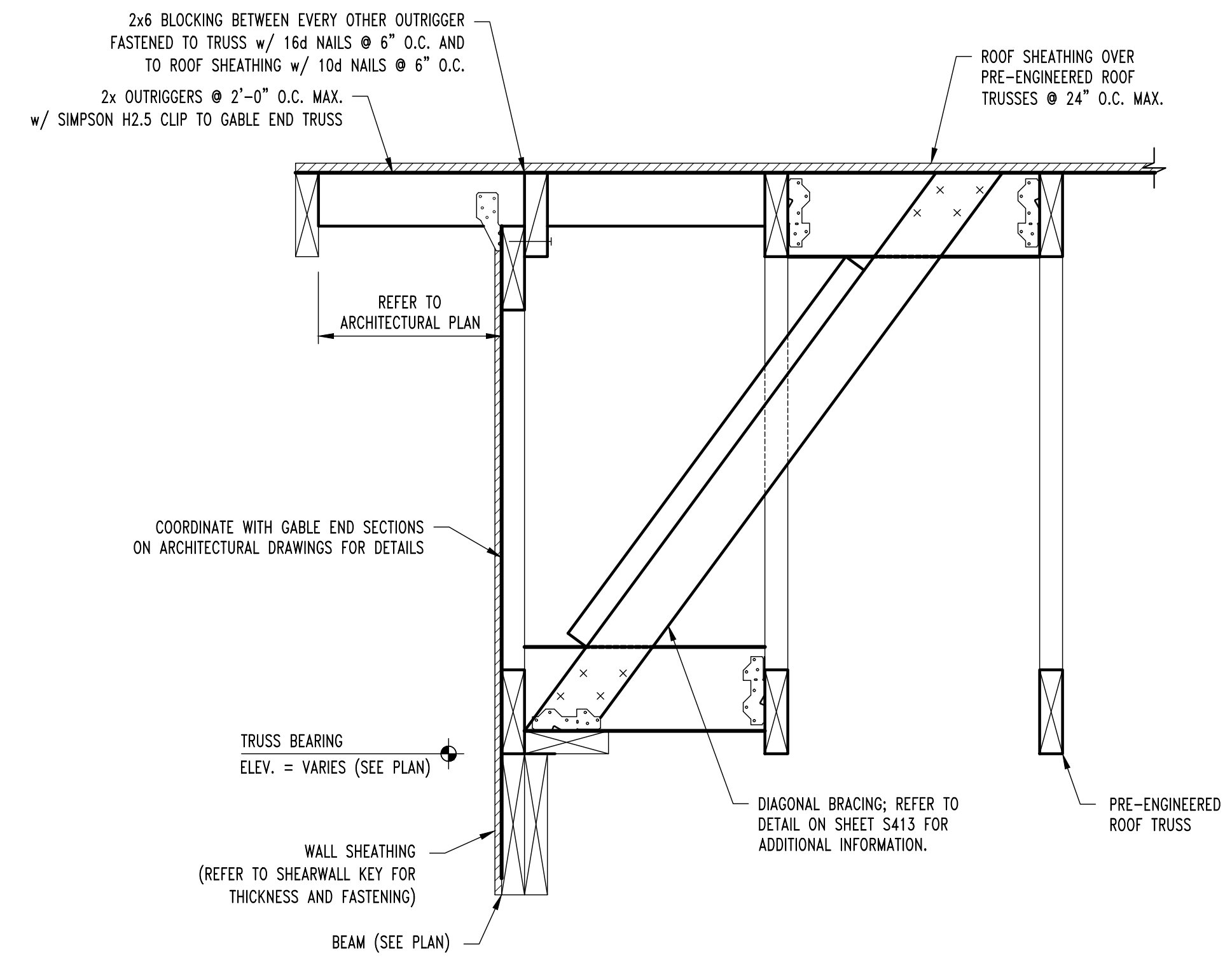
SHEET TITLE:
**SHEAR WALL
PLAN**

SHEET NUMBER:
S300A

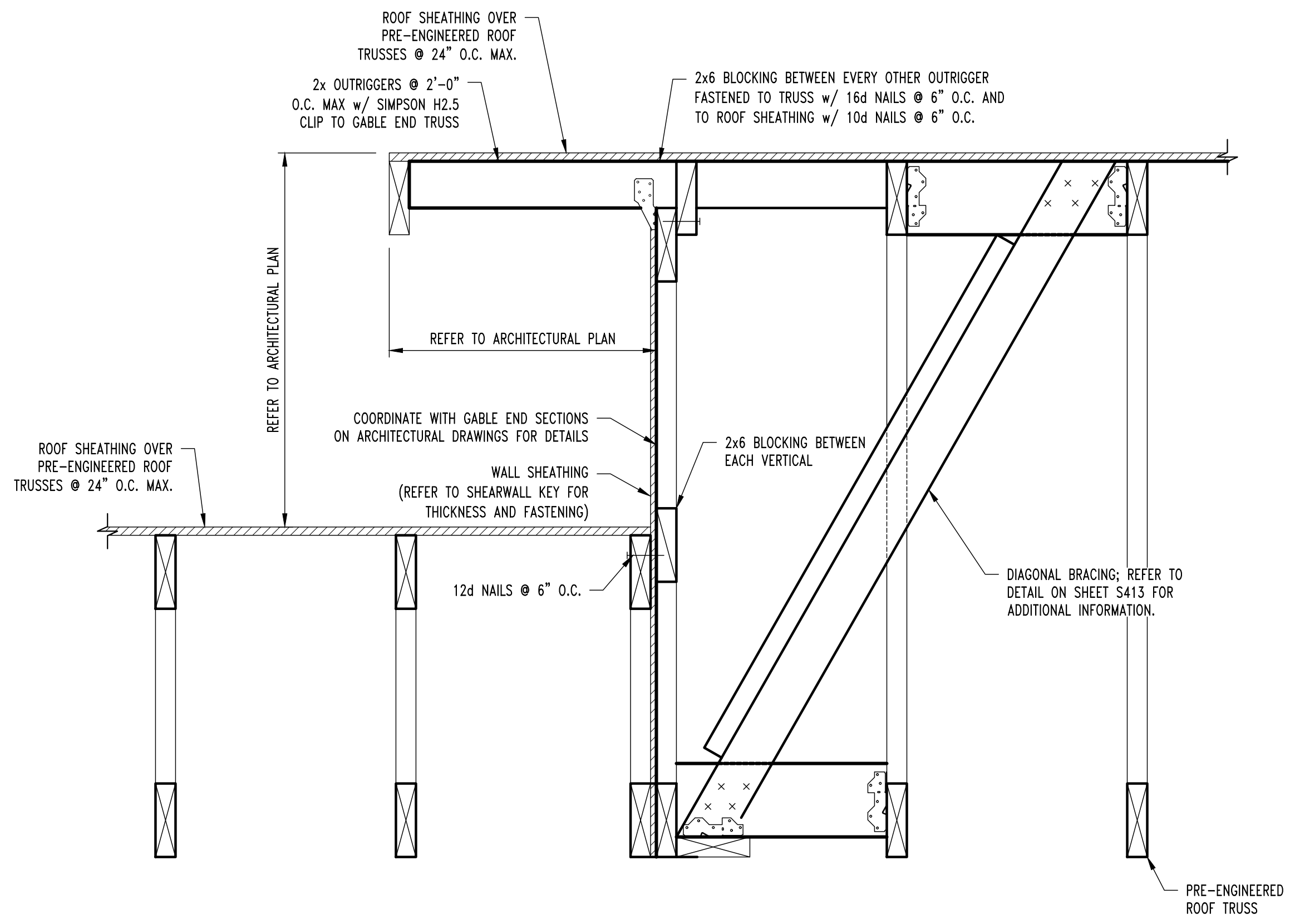
M
L
K
J
H
G
F
E
D
C
B
A



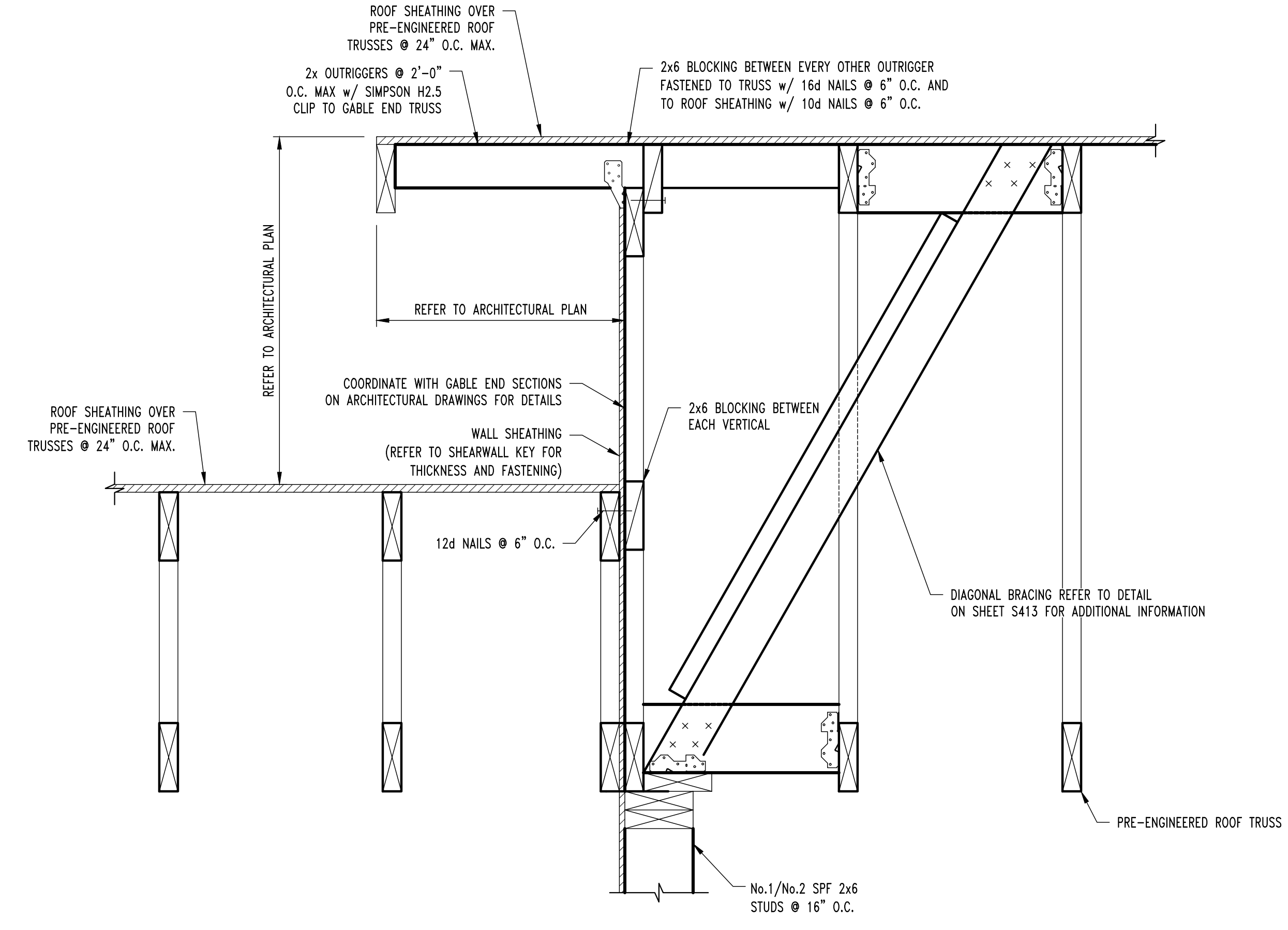
S20
S300 TYP. ROOF FRAMING SECTION
SCALE: 1/2" = 1'-0"



S23
S300 TYP. ROOF FRAMING SECTION
SCALE: 1/2" = 1'-0"



S24
S300 ROOF FRAMING SECTION
SCALE: 1/2" = 1'-0"



S24A
S300 ROOF FRAMING SECTION
SCALE: 1/2" = 1'-0"

STATE OF MISSOURI
MICHAEL KEHOE
GOVERNOR



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

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
ASSET # 3511501027
CEC # 240158

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: 240158
DRAWN BY: SES
CHECKED BY: JWV
DESIGNED BY: JWV

SHEET TITLE:

**ROOF FRAMING
DETAILS**

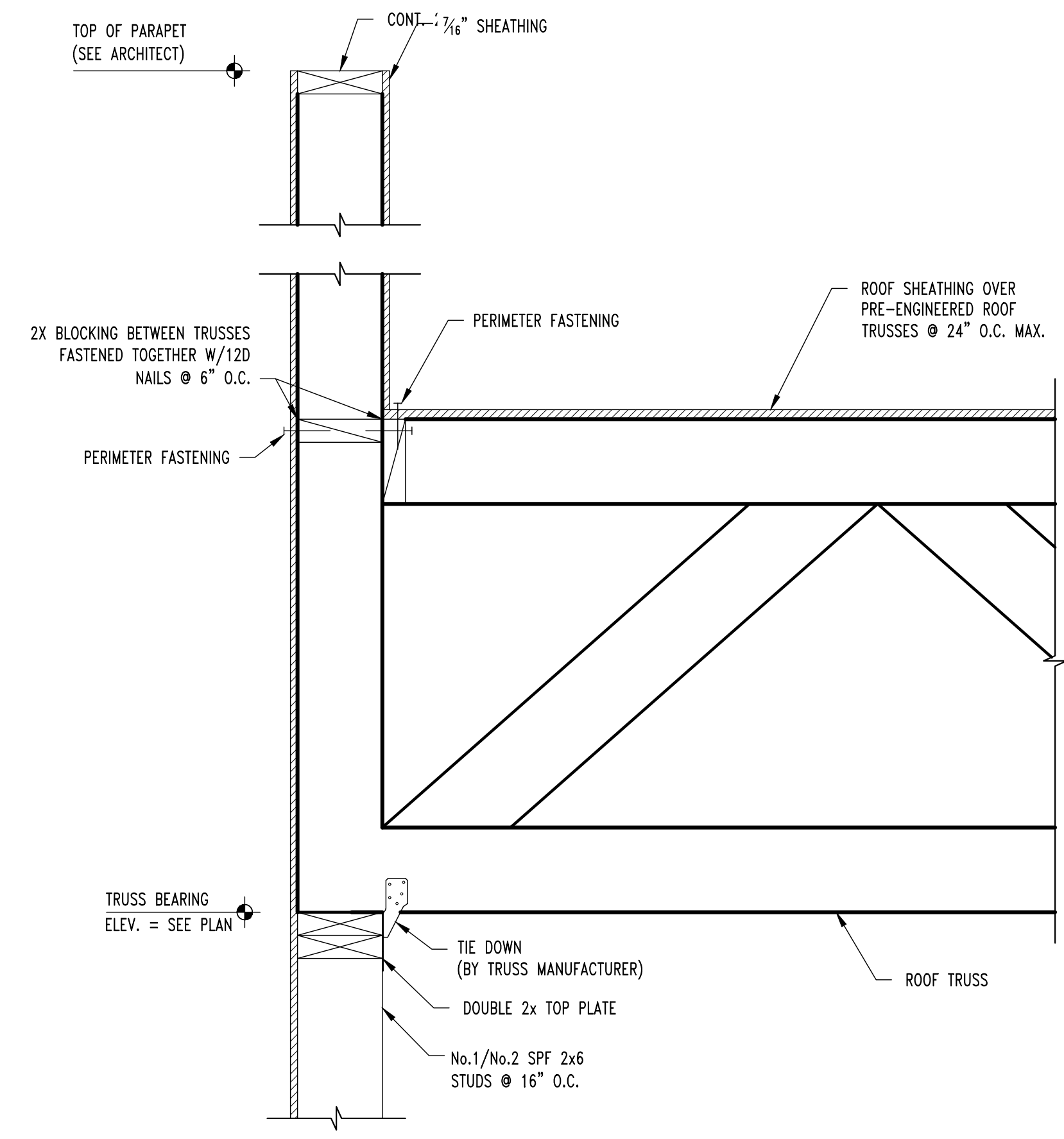
SHEET NUMBER:

S310

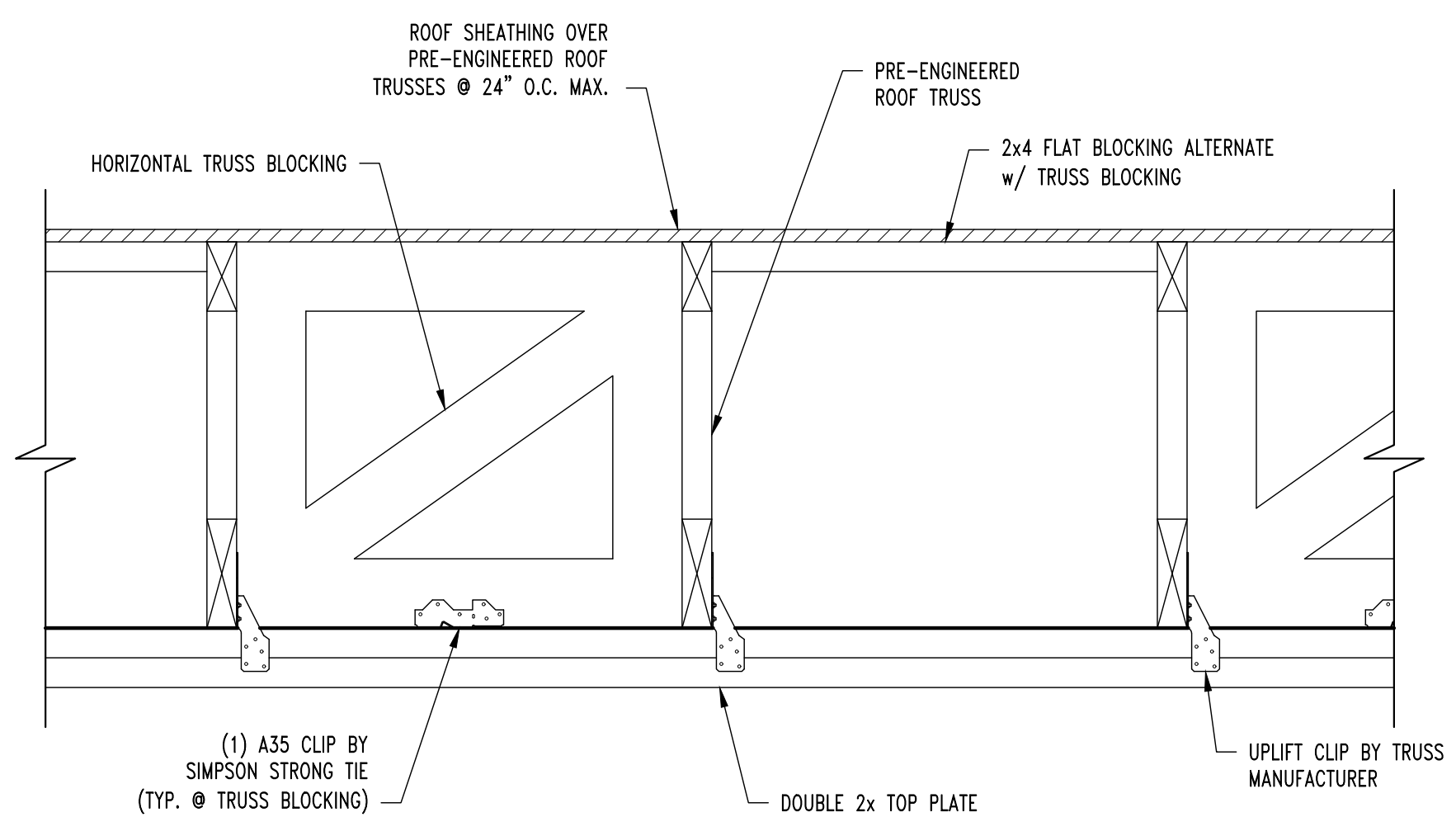
18 OF 55 SHEETS
September 19, 2025

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

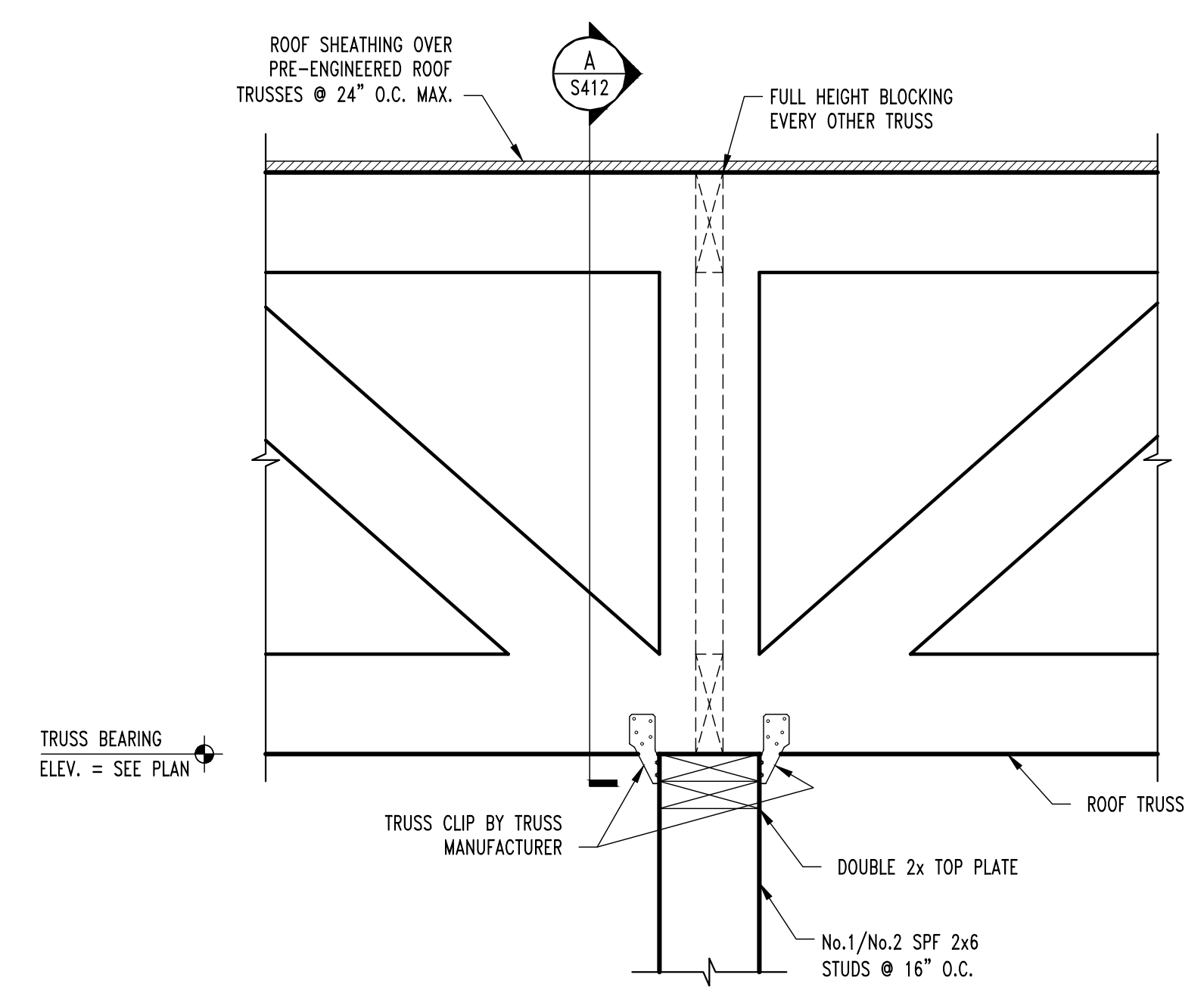
M
L
K
J
H
G
F
E
D
C
B
A



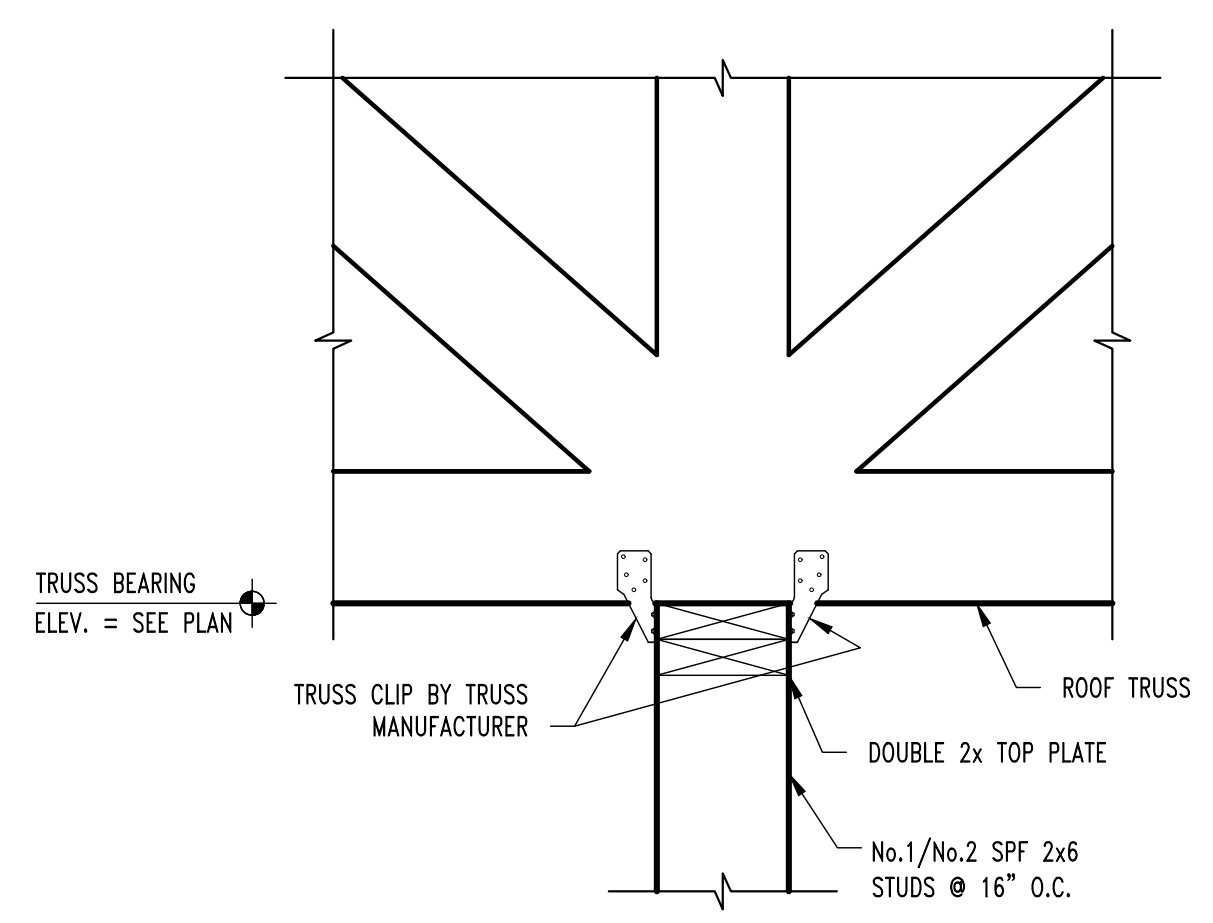
S27
S300 ROOF FRAMING SECTION
SCALE: 1/2" = 1'-0"



A
S312 TYP. TRUSS BLOCKING SECTION
SCALE: 1/2" = 1'-0"



S28
S300 ROOF FRAMING SECTION
SCALE: 1/2" = 1'-0"



S29
S300 ROOF FRAMING SECTION
SCALE: 1/2" = 1'-0"

STATE OF MISSOURI
MICHAEL KEHOE
GOVERNOR



OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

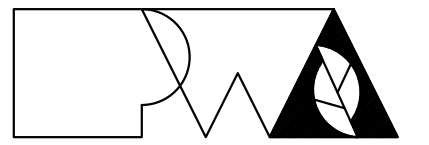
PROJECT # F2405-01
SITE # 1501
ASSET # 3511501027
CEC # 240158

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: 240158
DRAWN BY: SES
CHECKED BY: JWV
DESIGNED BY: JWV

SHEET TITLE:
**ROOF FRAMING
DETAILS**

SHEET NUMBER:
S311



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

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
ASSET # 3511501027
CEC # 240158

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

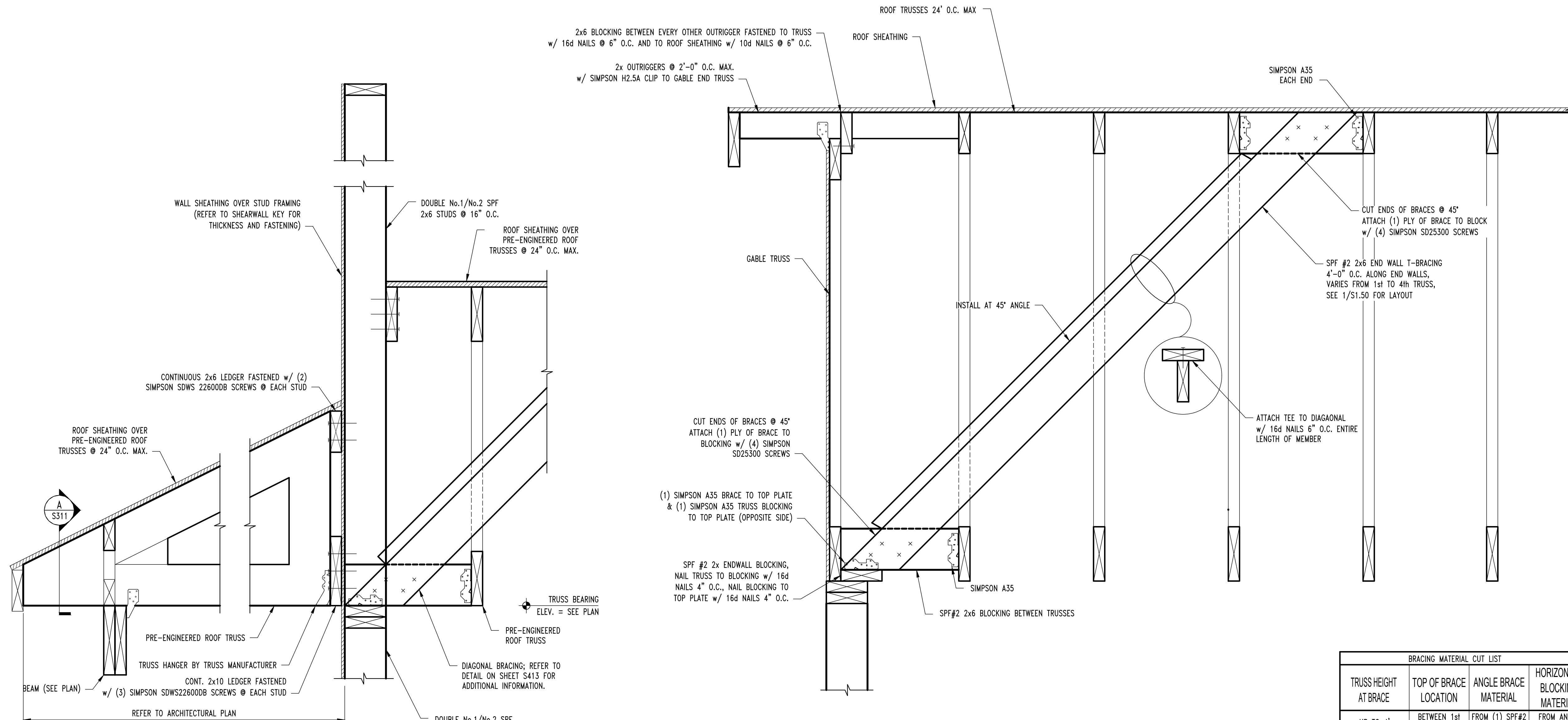
CAD DWG FILE: 240158
DRAWN BY: SES
CHECKED BY: JWV
DESIGNED BY: JWV

SHEET TITLE:

ROOF FRAMING
DETAILS

SHEET NUMBER:

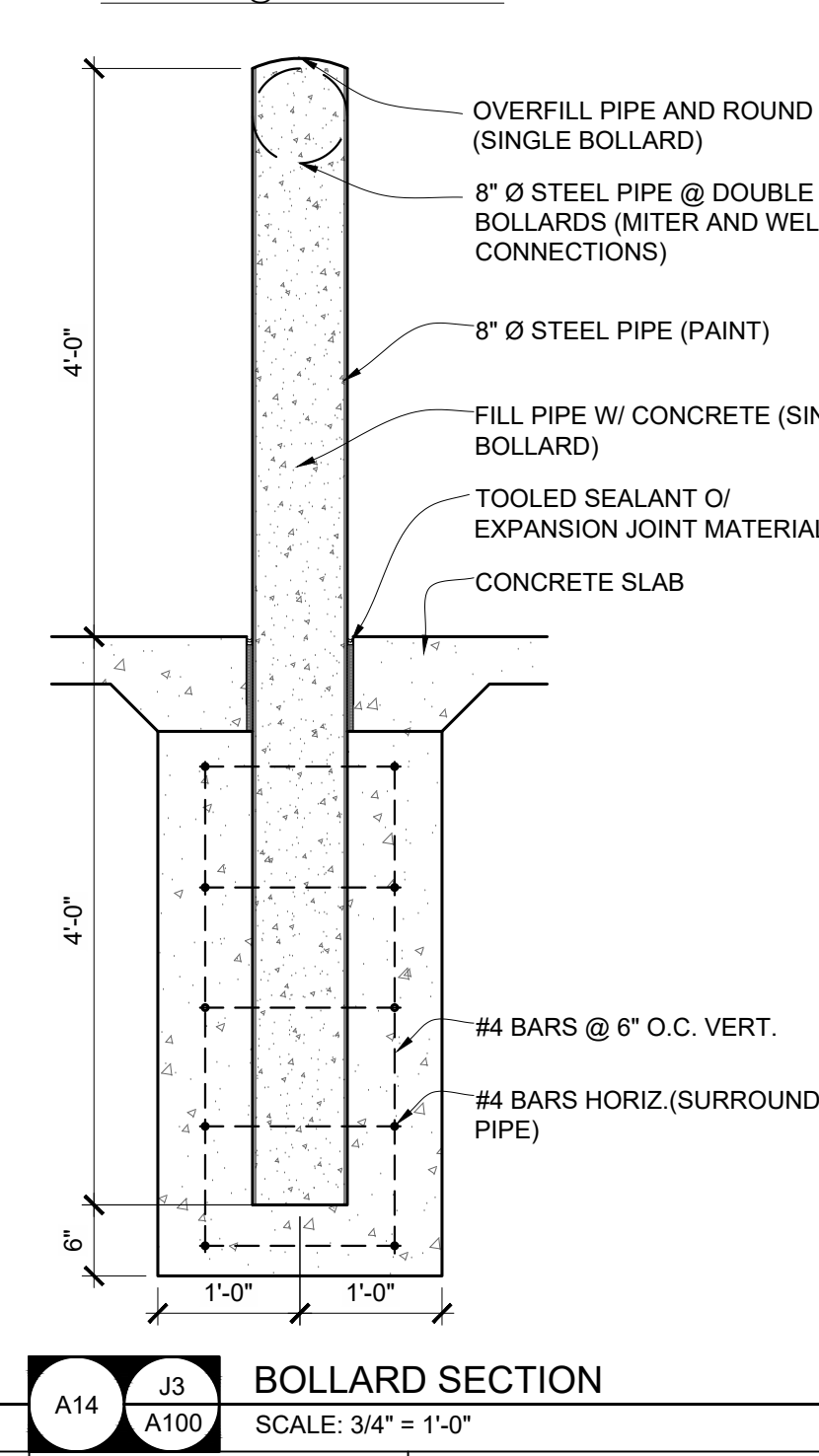
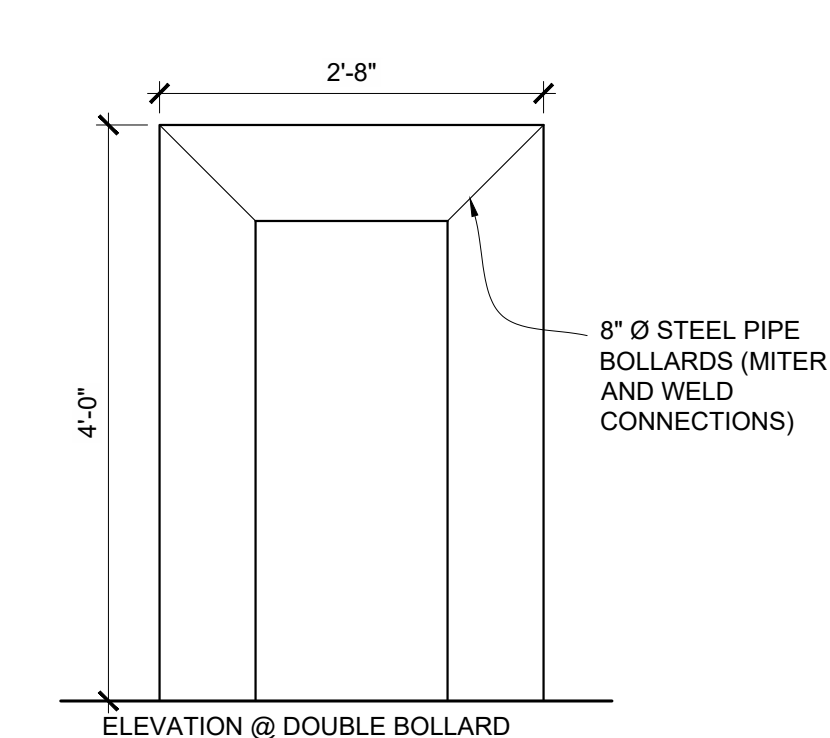
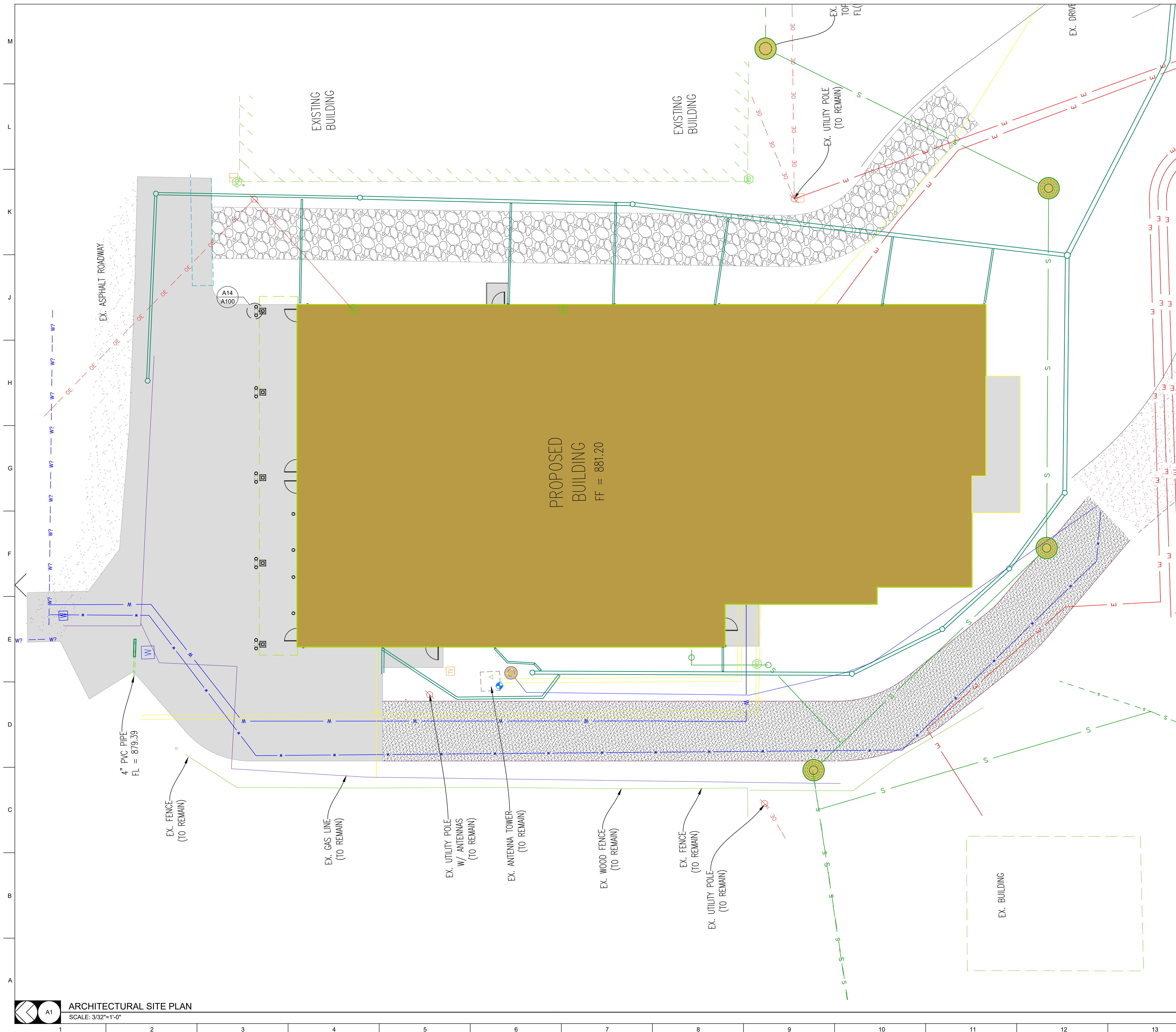
S312



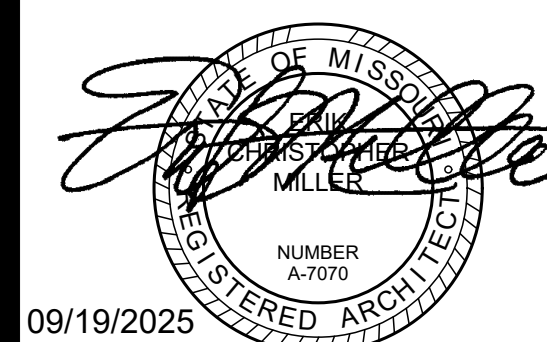
S30
S300 **ROOF FRAMING SECTION**
SCALE: 1/2" = 1'-0"

TYP. END WALL GABLE TRUSS ROOF BRACING DETAIL

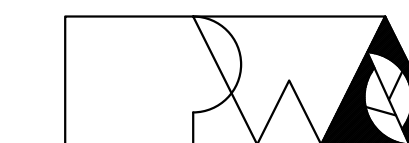
BRACING MATERIAL CUT LIST			
TRUSS HEIGHT AT BRACE	TOP OF BRACE LOCATION	ANGLE BRACE MATERIAL	HORIZONTAL BLOCKING MATERIAL
UP TO 4'	BETWEEN 1st AND 3rd TRUSS	FROM (1) SPF#2 2x6x16	FROM ANGLE BRACE DROPS
4'-8'	BETWEEN 3rd AND 5th TRUSS	FROM (2) SPF#2 2x6x16	FROM ANGLE BRACE DROPS
8'-11'-6"	BETWEEN 5th AND 7th TRUSS	FROM (2) SPF #2 2x6x16	FROM (1/2) SPF#2 2x6x16
11'-6" TO 13'-8"	BETWEEN 7th AND 9th TRUSS	FROM (2) SPF#2 2x6x20	FROM (1/2) SPF#2 2x6x16



STATE OF MISSOURI
MIKE KEHOE
GOVERNOR



09/19/2025



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

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
ASSET # 3511501027
PWA # 202011.13

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

ISSUE DATE: 09/19/2025

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

SHEET TITLE:
**ARCHITECTURAL
SITE PLAN**

SHEET NUMBER:
A-100

24 OF 58 SHEETS

22 OF 55 SHEETS
September 19, 2025

ARCHITECTURAL SITE PLAN
SCALE: 3/32"=1'-0"

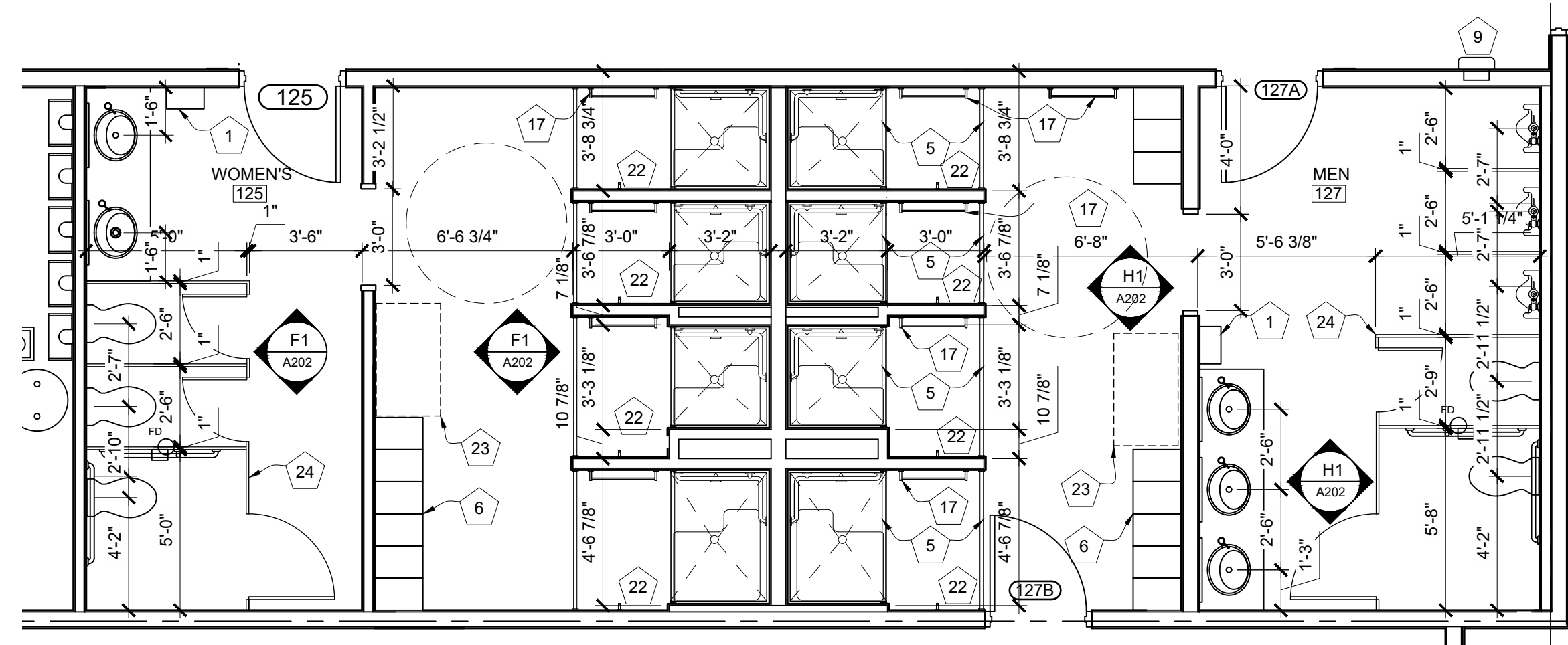
BOLLARD SECTION
SCALE: 3/4"=1'-0"

GENERAL FLOOR PLAN NOTES

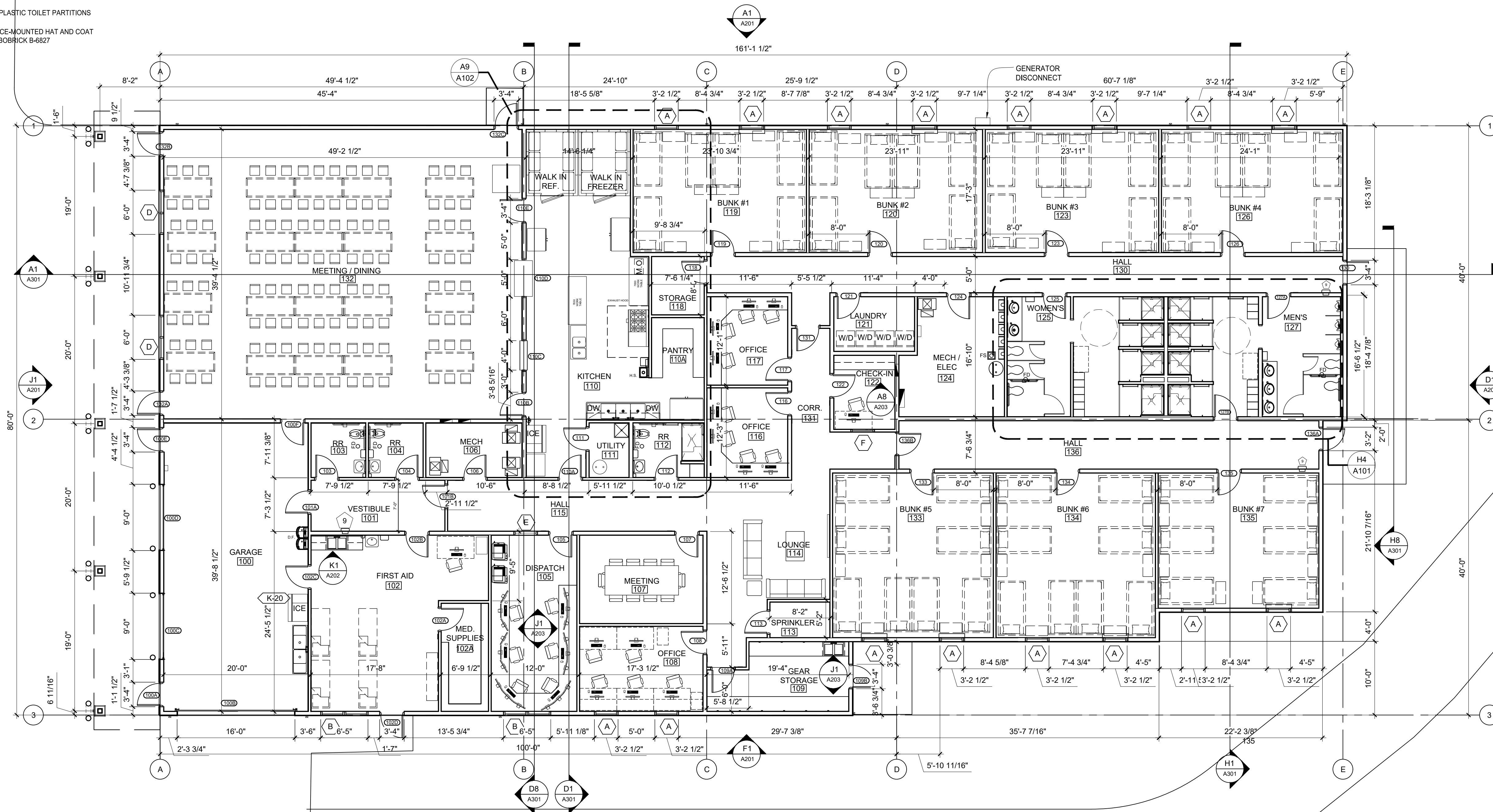
KEY NOTES

- 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.
- LOCATE DOOR OPENINGS WHICH ARE NOT DIMENSIONED OTHERWISE, CENTERED IN WALL AND 6" FROM FINISH WALL TO FINISH JAMB. LOCATE DOOR OPENINGS IN MASONRY WALLS BETWEEN 4" TO 6" OFF WALLS SO THAT PROPER COURSING IS ACHIEVED
- COORDINATE ALL FLOOR DRAINS AND OTHER REFERENCED MECHANICAL, ELECTRICAL, OR PLUMBING ITEMS W/ M.E.P.
- COORDINATE ALL REQUIRED UTILITIES WITH EQUIPMENT MANUFACTURER.
- ALL DIMENSIONS ARE TO FACE OF STUD - OR MASONRY - UNLESS OTHERWISE NOTED.
- DO NOT SCALE DRAWINGS - WHERE DIMENSIONAL DISCREPANCIES ARE ENCOUNTERED NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
- COORDINATE HEIGHTS OF OUTLETS & SWITCHING WITH ALL ARCHITECTURAL ITEMS. SEE M/E DRAWINGS FOR LOCATIONS.
- SEE A300 FOR INTERIOR PARTITION WALL TYPES AND DETAILS.
- SEE INTERIOR ELEVATIONS FOR ADDITIONAL KEY NOTED ITEMS NOT LABELED IN PLAN.

- PAPER TOWEL DISPENSER - BOBRICK B-4262
- SOAP DISPENSER - BOBRICK B-2013
- TOILET PAPER DISPENSER - BOBRICK B-2888
- GRAB BARS - BOBRICK B-5806
- SHOWER ROD AND CURTAIN - BOBRICK B-207
- LOCKERS
- MIRROR - BOBRICK B-165
- DUAL ROLLER SHADE
- FIRE EXTINGUISHER CABINET 2A:10B:C
- 16" ADJUSTABLE MELAMINE SHELVES AND 60" STANDARDS @ 32" O.C. - 4 LEVELS
- 1BOBRICK B-239 X 34 SHELF WITH MOP AND BROOM HOLDERS AND HOOKS
- 48"x14"x60" STAINLESS STEEL WIRE RACK SHELVING
- CORNER GUARD
- CUBICAL DIVIDER CURTAIN AND TRACK WITH EQUIPMENT MANUFACTURER.
- 18"x96" STAINLESS STEEL SHELF
- 18"x60" STAINLESS STEEL SHELF
- TOWEL BAR BOBRICK B-545x24
- TRASH CAN BOBRICK B-221216
- CORNER MOP SINK FRP WALL PANELS 2 WALL 24"Wx48"T
- SOLID SURFACE SILL
- KITCHEN FIRE EXTINGUISHER WC (K-Type), 2.5 Gallon
- COAT HOOK BOBRICK B-542
- ADA LOCKER ROOM BENCH
- SOLID PLASTIC TOILET PARTITIONS
- SURFACE-MOUNTED HAT AND COAT HOOK BOBRICK B-6827

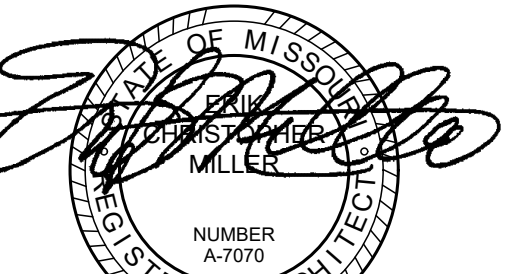


ENLARGED FLOOR PLAN
SCALE: 1/4"=1'-0"



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

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR



09/19/2025



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

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
ASSET # 3511501027
PWA # 202011.13

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/19/2025

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

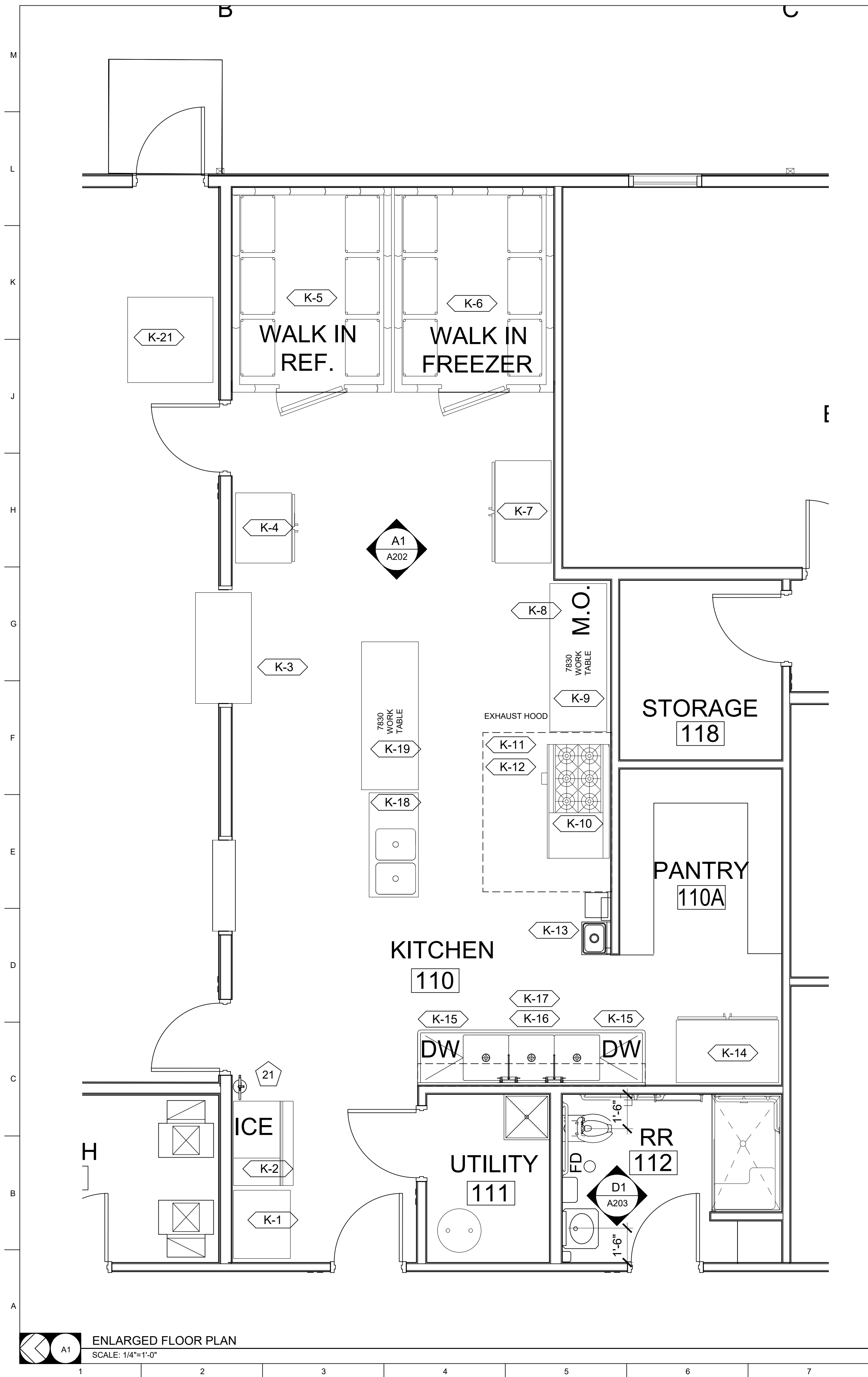
SHEET TITLE:

FIRST FLOOR
PLAN

SHEET NUMBER:

A-101

23 OF 55 SHEETS
September 19, 2025



EQUIPMENT SCHEDULE		
ITEM NO.	QTY.	DESCRIPTION
K-1	1	STAINLESS STEEL TABLE 30"Dx36"Wx34"H w/ DRAWER & SHELF
K-2	1	ICE MACHINE F.B.O., I.B.G.C.
K-3	1	ELECTRIC SERVING / WARMING TABLE F.B.O., I.B.G.C.
K-4	1	COM. FREEZER F.B.O., I.B.G.C.
K-5	1	COM. WALK-IN REFRIGERATOR F.B.O., I.B.G.C.
K-6	1	COM. WALK-IN FREEZER F.B.O., I.B.G.C.
K-7	1	COM. FREEZER F.B.O., I.B.G.C.
K-8	1	MICROWAVE Panasonic Model: NE-1064
K-9	1	30"x78" S.S. WORK TABLE w/ SHELVES AND DRAWERS
K-10	1	GAS RANGE w/ 6 GAS BURNER AND 24" GRIDDLE F.B.O., I.B.G.C.
K-11	1	S.S. WALL PANEL 84"x84"
K-12	1	S.S. EXHAUST HOOD
K-13	1	HAND SINK - John Boos Model: PBHS-W-1410
K-14	1	COM. REFRIGERATOR F.B.O., I.B.G.C.
K-15	2	UNDERCOUNTER DISHWASHER -Hobart Model LXNH-2
K-16	1	30"x120" S.S. THREE COMPARTMENT DISH SINK w/ SIDEBOARDS
K-17	3	12"x120" S.S. WALL SHELVING
K-18	1	55"x26" S.S. PRFP SINK
K-19	1	30"x78" S.S. WORK TABLE w/ SHELVES AND DRAWERS
K-20	1	ICE MACHINE - Manitowoc Model: IY-0454A
K-21	1	SALAD BAR - F.B.O., I.B.O.

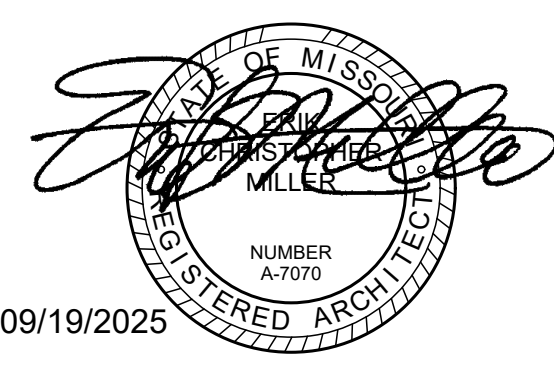
GENERAL FLOOR PLAN NOTES

- 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.
- LOCATE DOOR OPENINGS WHICH ARE NOT DIMENSIONED OTHERWISE, CENTERED IN WALL AND 6" FROM FINISH WALL TO FINISH JAMB. LOCATE DOOR OPENINGS IN MASONRY WALLS BETWEEN 4" TO 6" OFF WALLS SO THAT PROPER COURSING IS ACHIEVED
- COORDINATE ALL FLOOR DRAINS AND OTHER REFERENCED MECHANICAL, ELECTRICAL, OR PLUMBING ITEMS W/ M.E.P.
- COORDINATE ALL REQUIRED UTILITIES WITH EQUIPMENT MANUFACTURER.
- ALL DIMENSIONS ARE TO FACE OF STUD - OR MASONRY - UNLESS OTHERWISE NOTED.
- DO NOT SCALE DRAWINGS - WHERE DIMENSIONAL DISCREPANCIES ARE ENCOUNTERED NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
- COORDINATE HEIGHTS OF OUTLETS & SWITCHING WITH ALL ARCHITECTURAL ITEMS. SEE M/E DRAWINGS FOR LOCATIONS.
- SEE A300 FOR INTERIOR PARTITION WALL TYPES AND DETAILS.
- SEE INTERIOR ELEVATIONS FOR ADDITIONAL KEY NOTED ITEMS NOT LABELED IN PLAN.

KEY NOTES

- SEE ENLARGED PLANS AND INTERIOR ELEVATIONS FOR ALL ITEMS:
- PAPER TOWEL DISPENSER - BOBRICK B-4262
 - SOAP DISPENSER - BOBRICK B-2013
 - TOILET PAPER DISPENSER - BOBRICK B-2888
 - GRAB BARS - BOBRICK B-6806
 - SHOWER ROD AND CURTAIN - BOBRICK B-207
 - LOCKERS
 - MIRROR - BOBRICK B-165
 - DUAL ROLLER SHADE
 - FIRE EXTINGUISHER CABINET 2A-10B-C
 - 16" ADJUSTABLE MELAMINE SHELVES AND 60" STANDARDS @ 32" O.C. - 4 LEVELS
 - 1BOBRICK B-239 X 34 SHELF WITH MOP AND BROOM HOLDERS AND HOOKS
 - 48"x14"x60" STAINLESS STEEL WIRE RACK SHELVING
 - CORNER GUARD
 - CUBICAL DIVIDER CURTAIN AND TRACK
 - 18"x96" STAINLESS STEEL SHELF
 - 18"x60" STAINLESS STEEL SHELF
 - TOWEL BAR BOBRICK B-545x24
 - TRASH CAN BOBRICK B-221216
 - CORNER MOP SINK FRP WALL PANELS 2 WALL 24"Wx48" T SOLID SURFACE SILL
 - KITCHEN FIRE EXTINGUISHER VC (K-Type), 2.5 Gallon
 - COAT HOOK BOBRICK B-542
 - ADA LOCKER ROOM BENCH
 - SOLID PLASTIC TOILET PARTITIONS
 - SURFACE-MOUNTED HAT AND COAT HOOK BOBRICK B-6827

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR



09/19/2025

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

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
ASSET # 3511501027
PWA # 202011.13

REVISION:
DATE: _____
REVISION:
DATE: _____
REVISION:
DATE: _____
ISSUE DATE: 09/19/2025

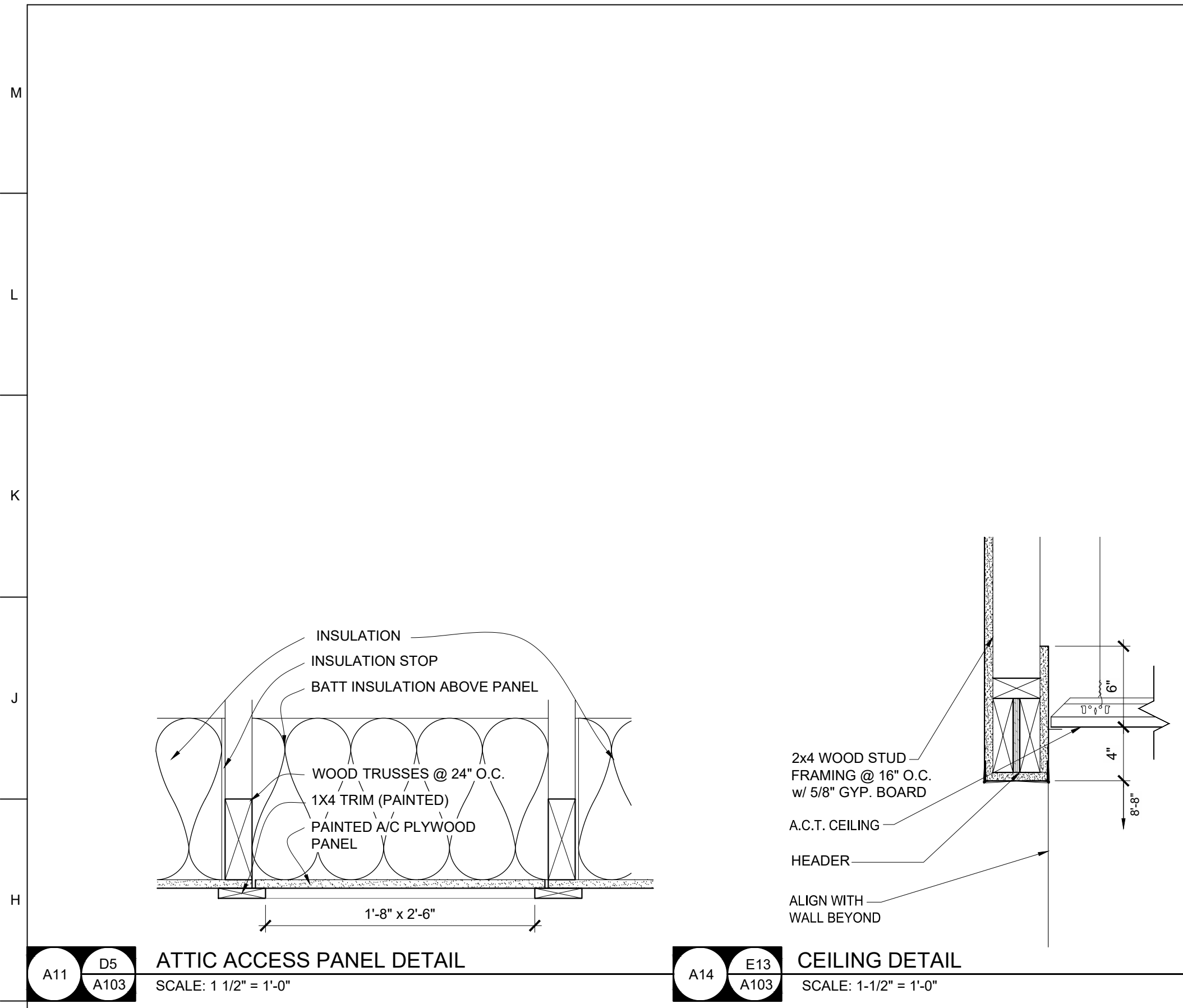
CAD DWG FILE: _____
DRAWN BY: LC
CHECKED BY: EM
DESIGNED BY: EM/LC

SHEET TITLE:

ENLARGED
FLOOR PLAN

SHEET NUMBER:

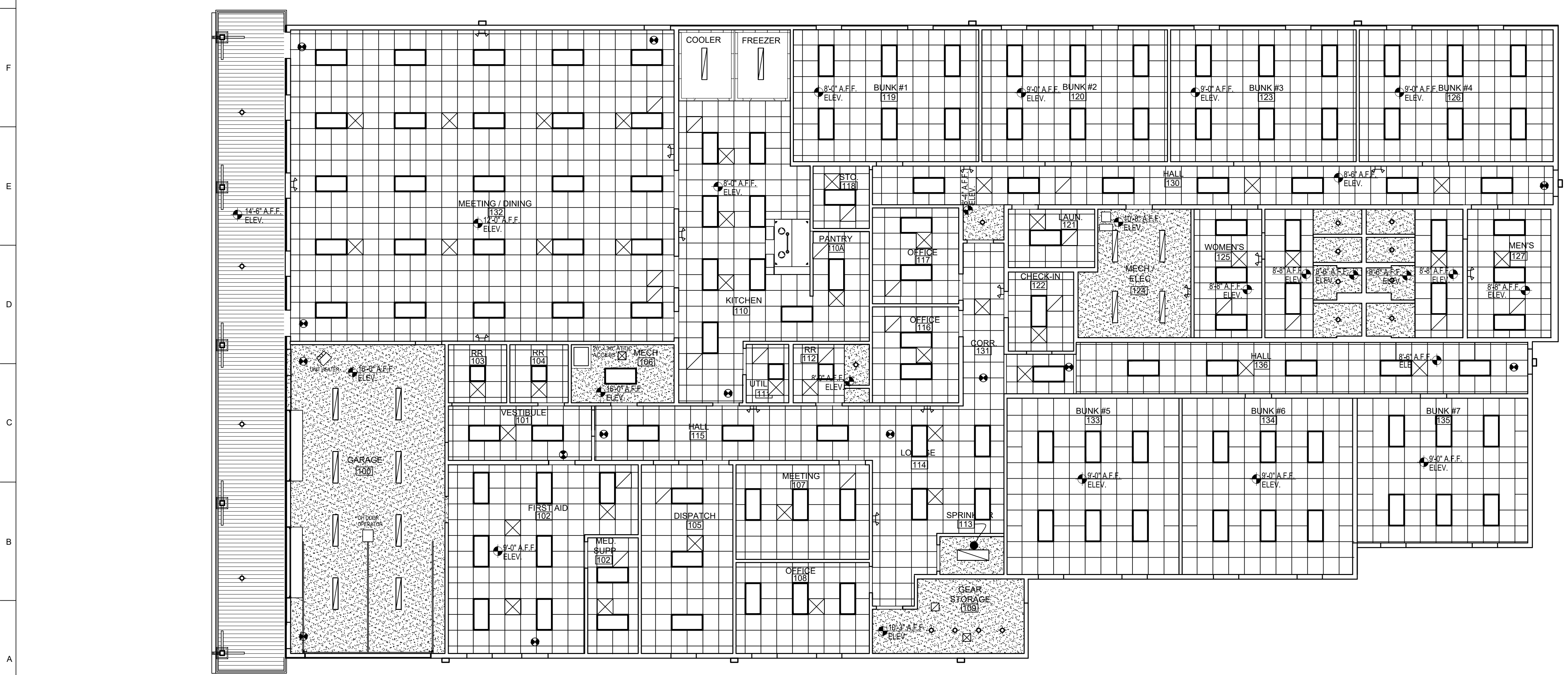
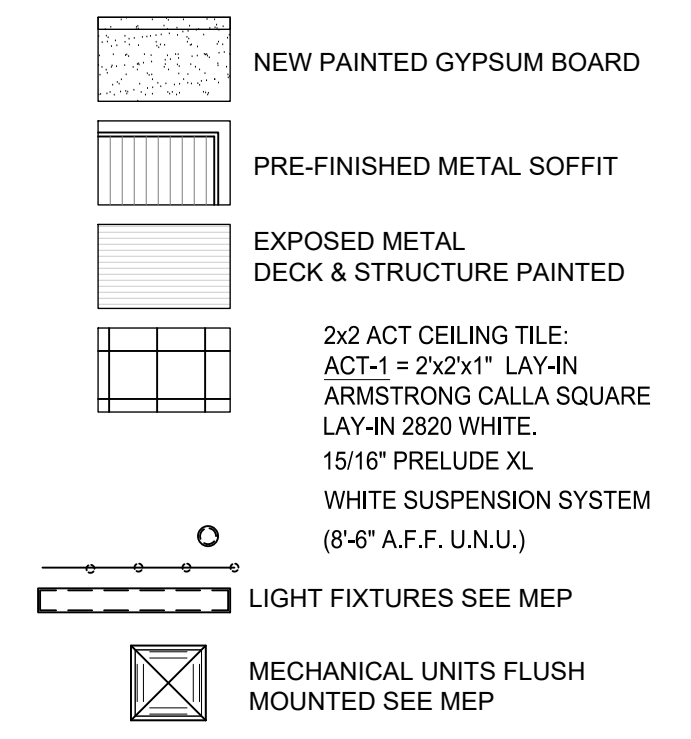
A-102



GENERAL REF. CEILING PLAN 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. COORDINATE ALL REQUIRED UTILITIES WITH EQUIPMENT MANUFACTURER.
4. ALL DIMENSIONS ARE TO FINISH WALL - OR MASONRY - UNLESS OTHERWISE NOTED.
5. DO NOT SCALE DRAWINGS - WHERE DIMENSIONAL DISCREPANCIES ARE ENCOUNTERED NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
6. COORDINATE ALL LIGHT FIXTURES, EQUIPMENT, GRILL AND VENTS WITH MEP DRAWINGS.

CEILING MATERIAL LEGEND



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

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR



09/19/2025

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

**OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION**

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

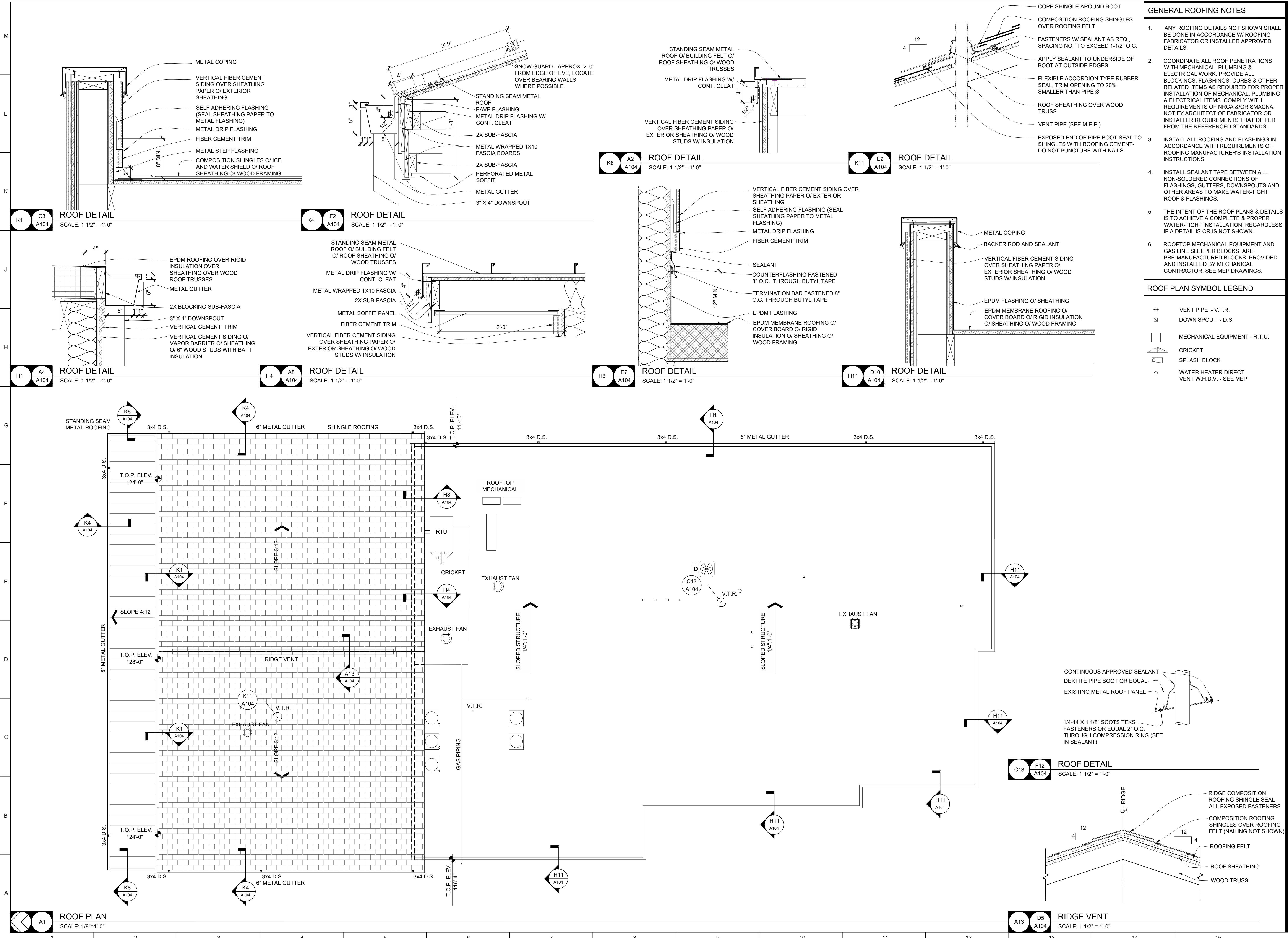
PROJECT # F2405-01
SITE # 1501
ASSET # 3511501027
PWA # 202011.13

REVISION:
DATE: _____
REVISION:
DATE: _____
REVISION:
DATE: _____
ISSUE DATE: 09/19/2025

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

SHEET TITLE:
**REFLECTED
CEILING PLANS**

SHEET NUMBER:
A103



GENERAL ROOFING 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.
- ROOFTOP MECHANICAL EQUIPMENT AND GAS LINE SLEEPER BLOCKS ARE PRE-MANUFACTURED BLOCKS PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. SEE MEP DRAWINGS.

ROOF PLAN SYMBOL LEGEND

- ⊕ VENT PIPE - V.T.R.
- ⊞ DOWN SPOUT - D.S.
- MECHANICAL EQUIPMENT - R.T.U.
- ⚡ CRICKET
- ⊞ SPLASH BLOCK
- WATER HEATER DIRECT VENT W.H.D.V. - SEE MEP

ROOF DETAIL



A13 D5 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL



C13 F12 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL



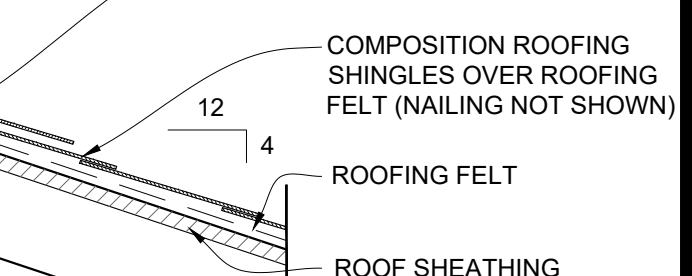
H11 D10 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL



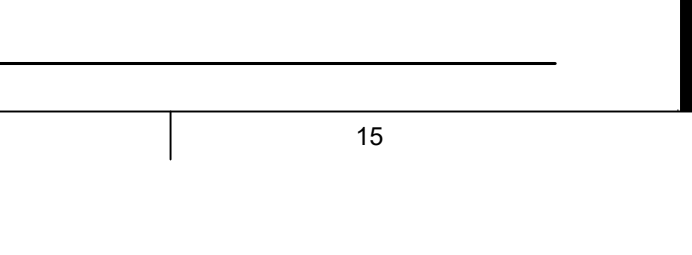
H8 E7 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL



K11 E9 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL



K8 A2 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

K4 F2 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H4 A8 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H4 A8 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

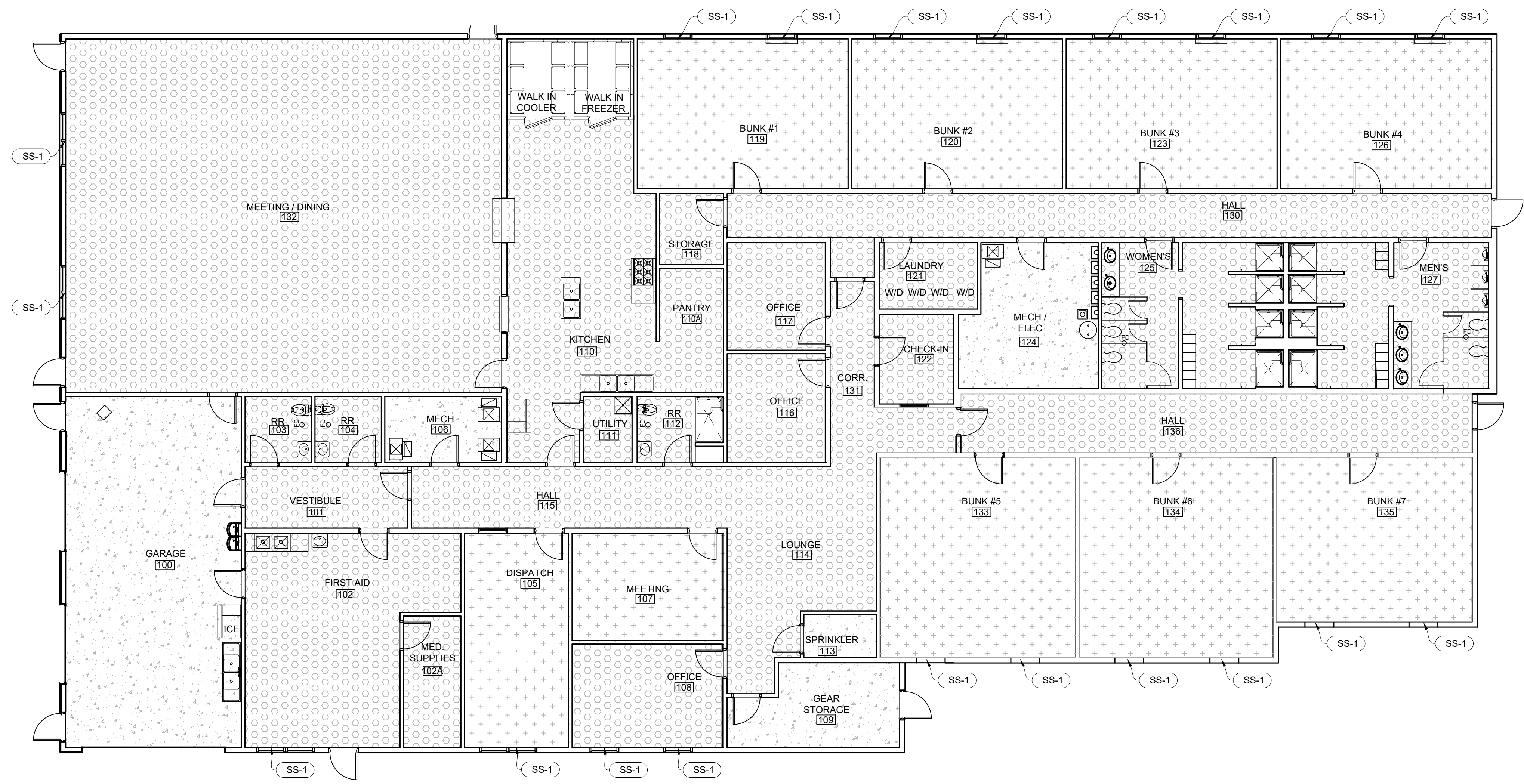
H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

H1 A4 ROOF DETAIL SCALE: 1 1/2" = 1'-0"

ROOF DETAIL

ROOM FINISH SCHEDULE										
ROOM NO.	ROOM NAME	FLOOR MAT'L	BASE MAT'L	WALL				CEILING		REMARKS
				NORTH	EAST	SOUTH	WEST	FINISH	HEIGHT	
FIRST FLOOR										
100	GARAGE	S.C.	RB-1	P-1	P-1	P-1	P-1	P-2	16'-0"	
101	VESTIBULE	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	8'-6"	
102	FIRST AID	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9'-0"	
102a	MEDICAL SUPPLIES	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	8'-6"	
103	RESTROOM	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	8'-6"	
104	RESTROOM	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	8'-6"	
105	DISPATCH	CPT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	8'-6"	
106	MECHANICAL	S.C.	RB-1	P-1	P-1	P-1	P-1	P-2	16'-0"	
107	MEETING	CPT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	8'-6"	
108	OFFICE	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	8'-6"	
109	GEAR STORAGE	S.C.	RB-1	P-1	P-1	P-1	P-1	P-2	10'-3"	
110	KITCHEN	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-2	8'-0"	
110A	PANTRY	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-2	8'-0"	
111	UTILITY	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	8'-6"	
112	UNISEX RR	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1/P-2	8'-6"	
113	SPRINKLER	S.C.	RB-1	P-1	P-1	P-1	P-1	P-2	8'-6"	
114	LOUNGE	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	8'-6"	
115	HALL	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	8'-6"	
116	OFFICE	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	8'-6"	
117	OFFICE	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	8'-6"	
118	STORAGE	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	8'-6"	
119	BUNK #1	CPT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	8'-0"	
120	BUNK #2	CPT-2	RB-1	P-1	P-1	P-1	P-1	ACT-1	9'-0"	
121	LAUNDRY	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	8'-6"	
122	CHECK-IN	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	8'-6"	
123	BUNK 3	CPT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9'-0"	
124	MECH / ELEC	S.C.	RB-1	P-1	P-1	P-1	P-1	P-2	10'-8"	
125	WOMEN'S RR	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1/P-2	9'-0"	
126	BUNK #4	CPT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9'-0"	
127	MEN'S RR	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1/P-2	8'-8" / 8'-6"	
130	HALL	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	8'-6"	
131	CORRIDOR	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	8'-6"	
132	DINING / MEETING	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	12'-0"	
133	BUNK #5	CPT-2	RB-1	P-1	P-1	P-1	P-1	ACT-1	9'-0"	
134	BUNK #6	CPT-2	RB-1	P-1	P-1	P-1	P-1	ACT-1	9'-0"	
135	BUNK #7	CPT-2	RB-1	P-1	P-1	P-1	P-1	ACT-1	9'-0"	
136	HALL	LVT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	8'-6"	



- CONC : SEALED CONCRETE FLOORING
- CPT-1 : CARPET TILE
SHAW CONTRACT STYLE: FLAT WEAVE TILE 5T321,
COLOR TO BE SELECTED
- LVT-01 VINYL PLANK FLOORING
EF CONTRACT, STYLE MELANGE -
5MM, COLOR TO BE SELECTED

INSTALL ALL FLOORING UNDER CABINETS U.N.O.
AT CASEWORK.

INSTALL FLOORING TRANSITIONS UNDER DOOR
WHEN IN CLOSED POSITION, U.N.O.

- FINISHES:
- S.C. = SEALED CONCRETE
 - LVT-1 = LUXURY VINYL TILE EF CONTRACT, STYLE MELANGE - 5MM, COLOR TO BE SELECTED
 - CPT-1 = SHAW CONTRACT STYLE: FLAT WEAVE TILE 5T321, COLOR TO BE SELECTED
 - RB-1 = RUBBER BASE JOHNSONITE 4" COLOR X
 - P-1 = PAINT SHERWIN WILLIAMS EGG SHELL PURE WHITE
 - P-2 = PAINT SHERWIN WILLIAMS FLAT PURE WHITE
 - P-3 = PAINT SHERWIN WILLIAMS SEM-GLOSS COLOR X
 - RR-1 = RUBBER STAIR TREAD JOHNSONITE PRODUCT VITRS-HAMMERED TREAD AND RISER FOR VISUALLY IMPAIRED WITH SOLID COLOR #29 MOON ROCK
INSERT COLOR # 24 GREY HAZE
 - WOOD DOORS = GRAHAM, PLAIN SLICED RED OAK, CLEAR
 - PLASTIC LAMINATE
 - PL-1 (COUNTER TOPS)
WILSONART
GREEN TIGRIS
4667-60
 - PL-2 (BASE AND FACE)
FORMICA
MONTICELLO
7925-38
 - SOLID SURFACE = COLOR X

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

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR



OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
ASSET # 3511501027
PWA # 202011.13

REVISION:
DATE: _____
REVISION:
DATE: _____
REVISION:
DATE: _____
ISSUE DATE: 09/19/2025

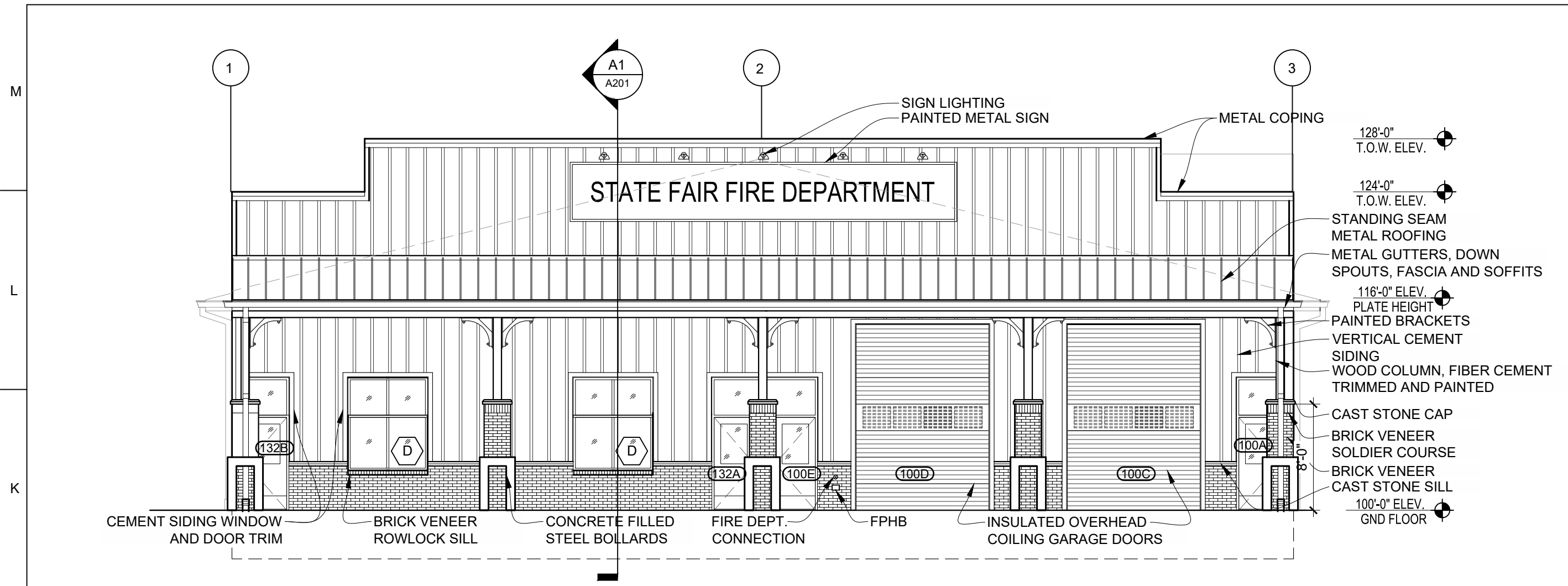
CAD DWG FILE: _____
DRAWN BY: LC
CHECKED BY: EM
DESIGNED BY: EM/LC

SHEET TITLE:

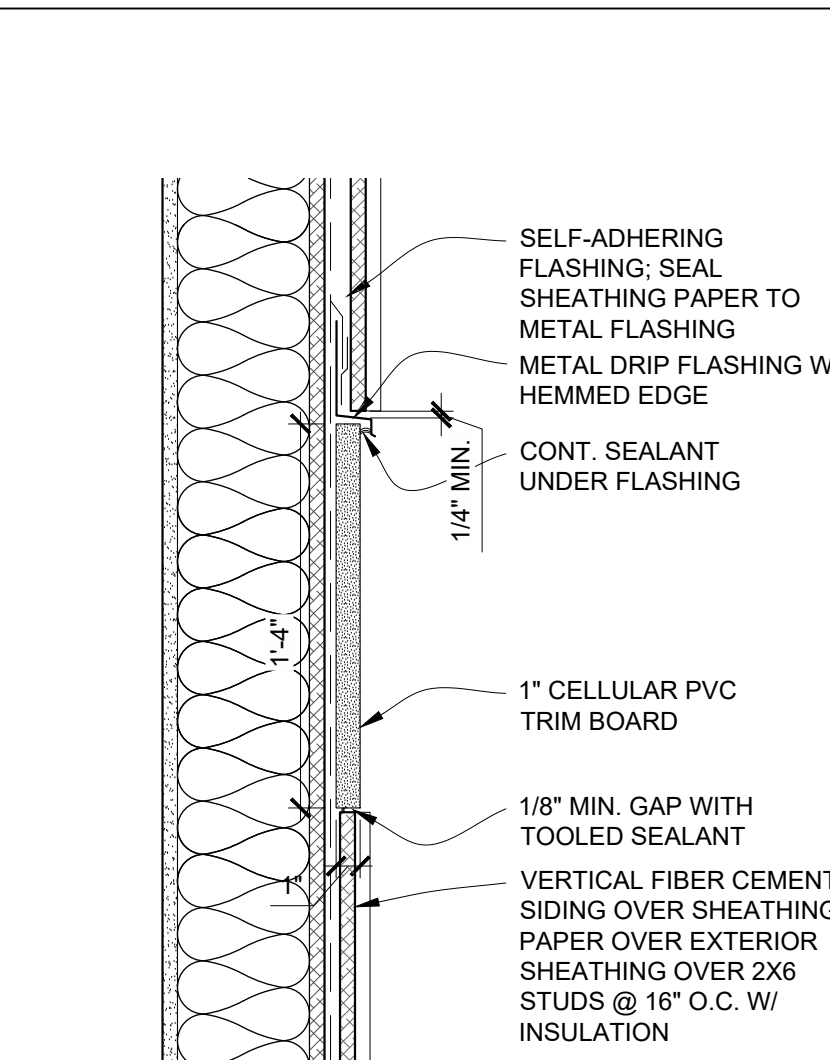
FINISH PLAN AND
SCHEDULE

SHEET NUMBER:

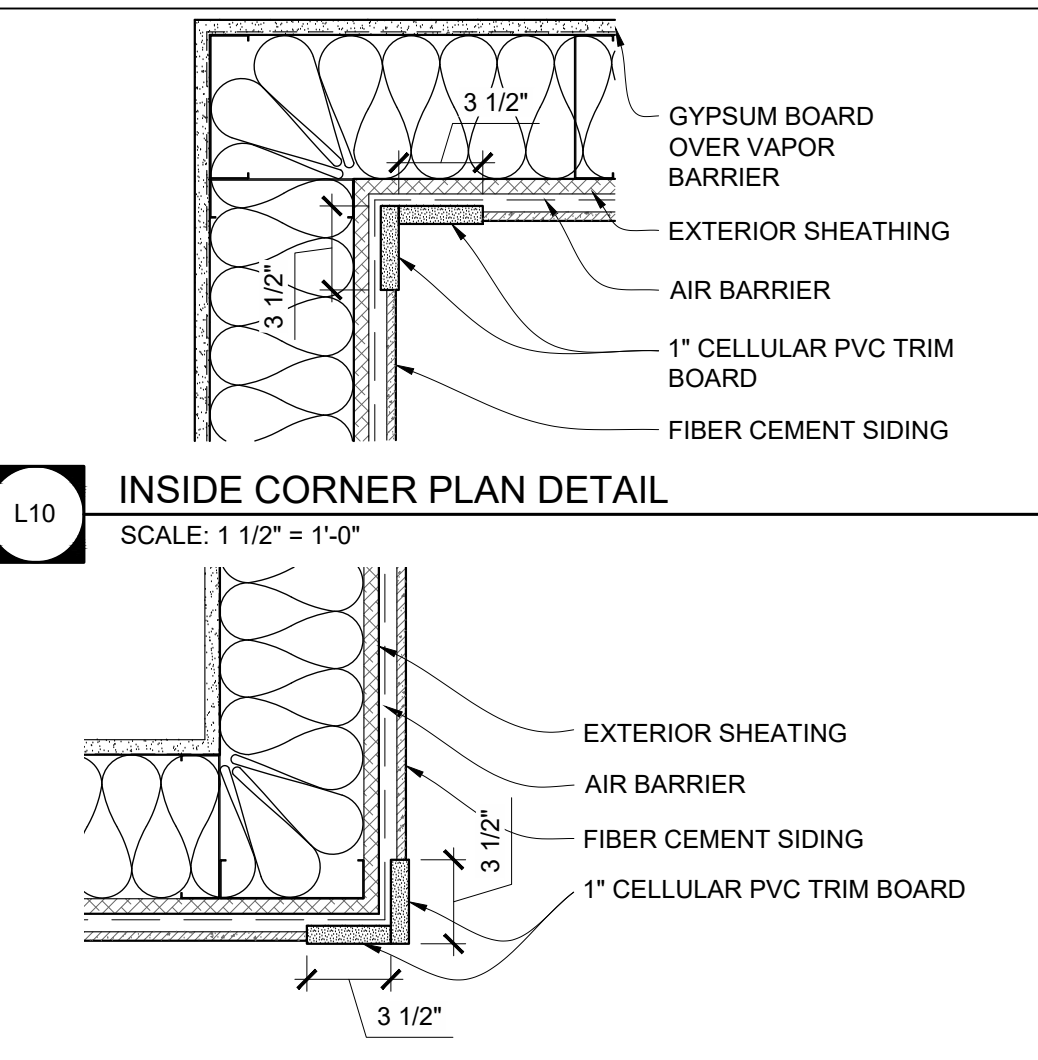
A-105



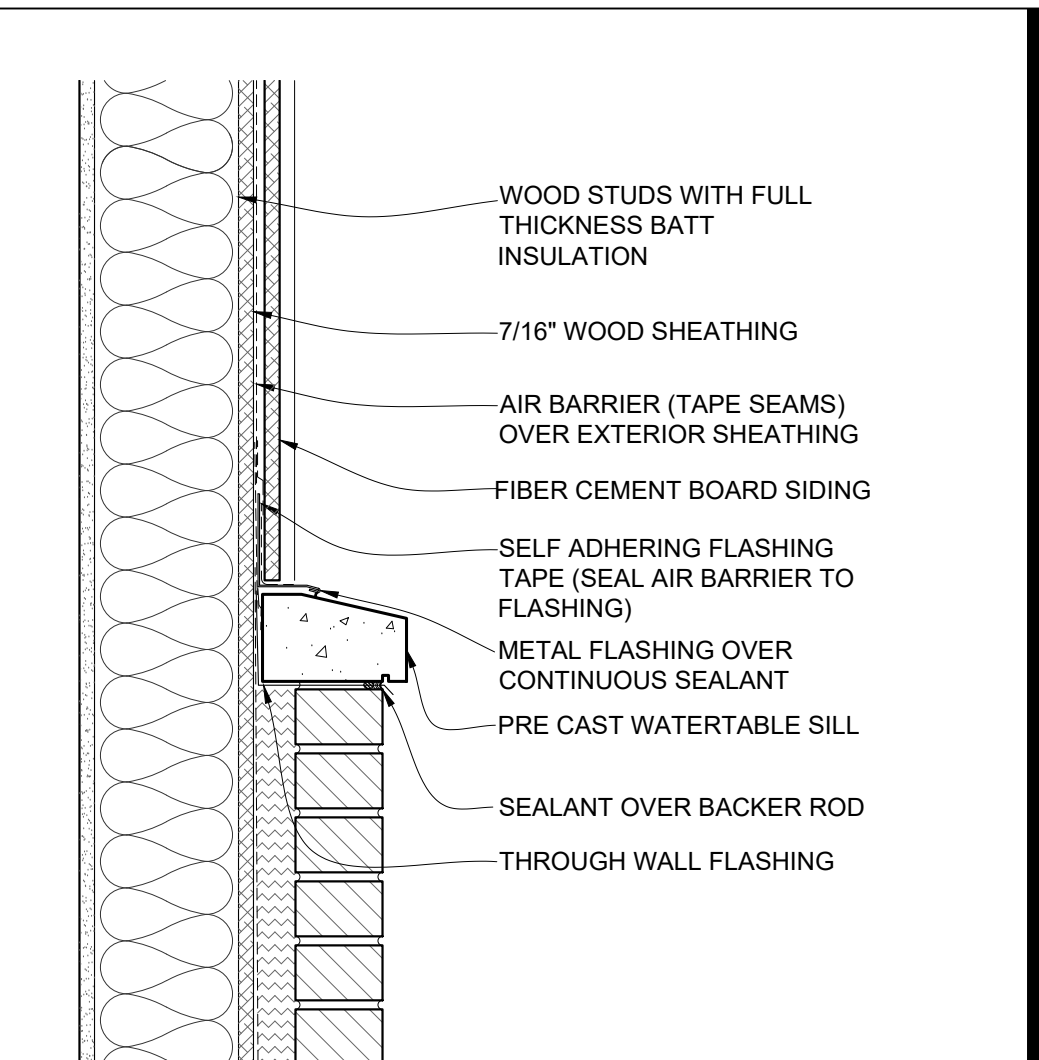
J1 NORTH ELEVATION
SCALE: 1/8" = 1'-0"



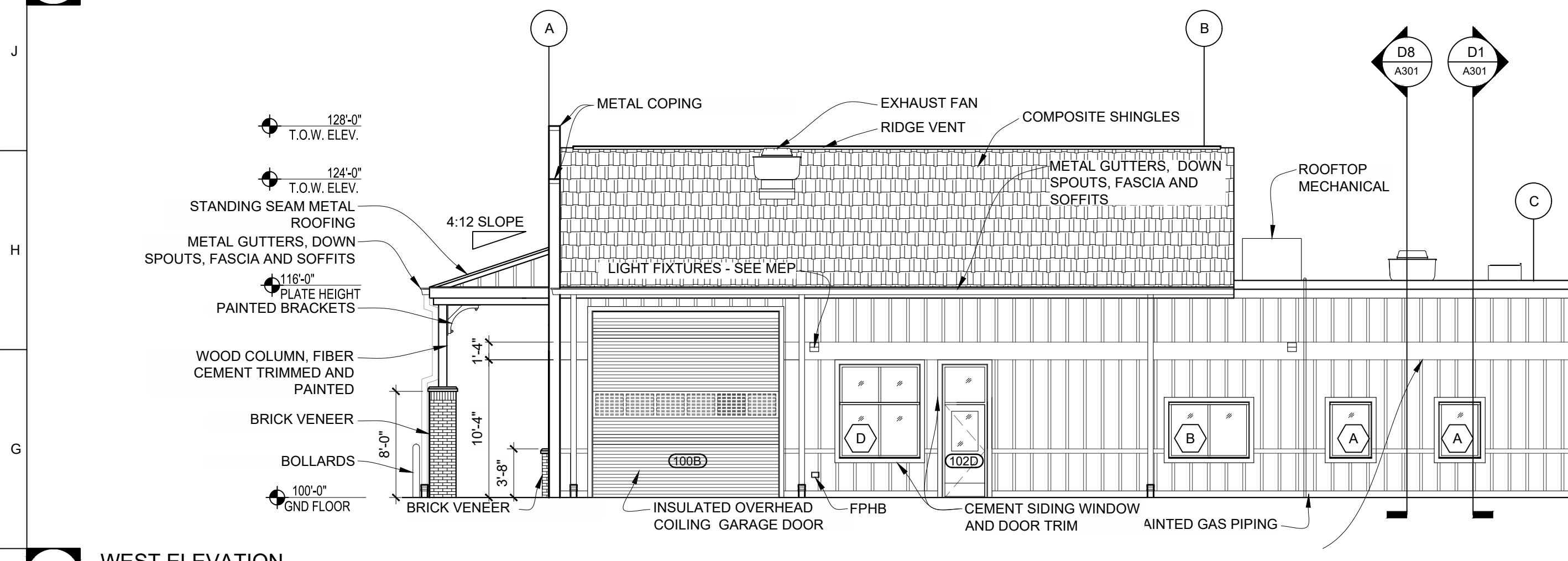
J8 BAND BOARD TRIM DETAIL
SCALE: 1 1/2" = 1'-0"



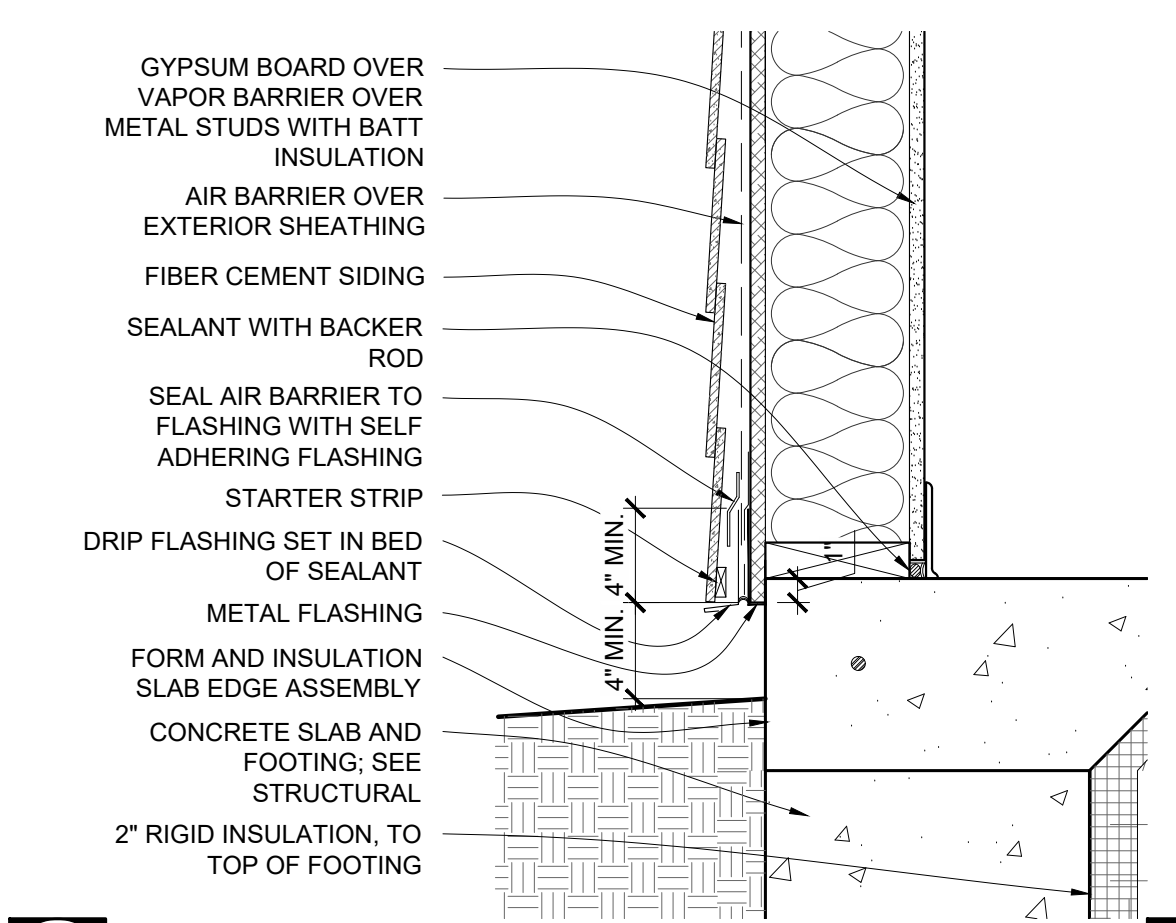
J10 INSIDE CORNER PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



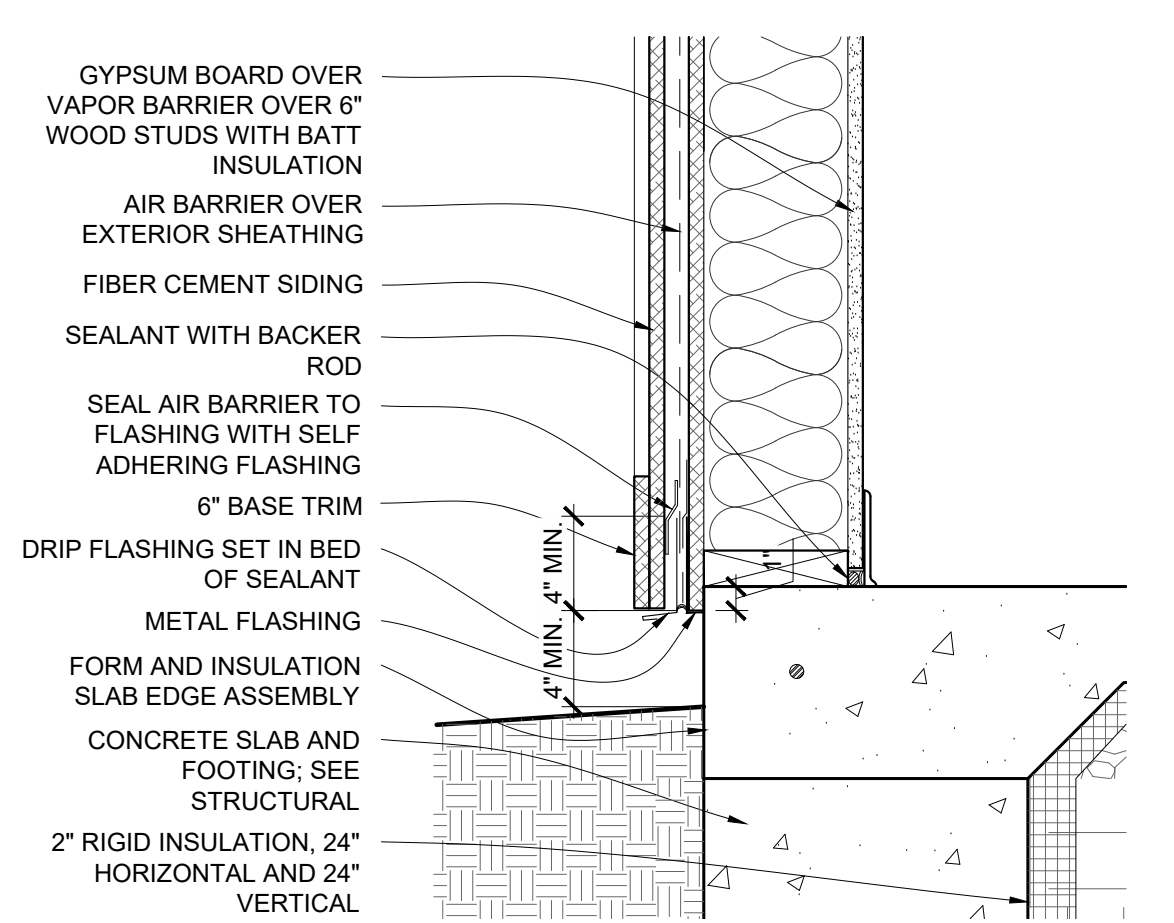
G1 WALL SECTION
SCALE: 1 1/2" = 1'-0"



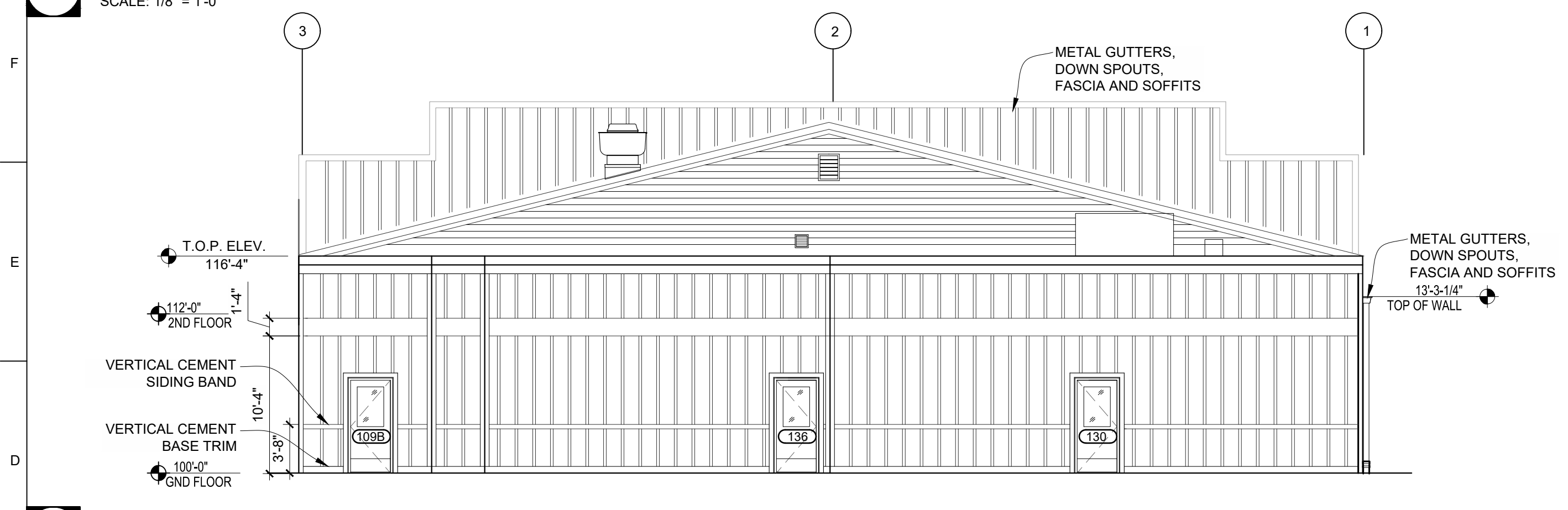
F1 WEST ELEVATION
SCALE: 1/8" = 1'-0"



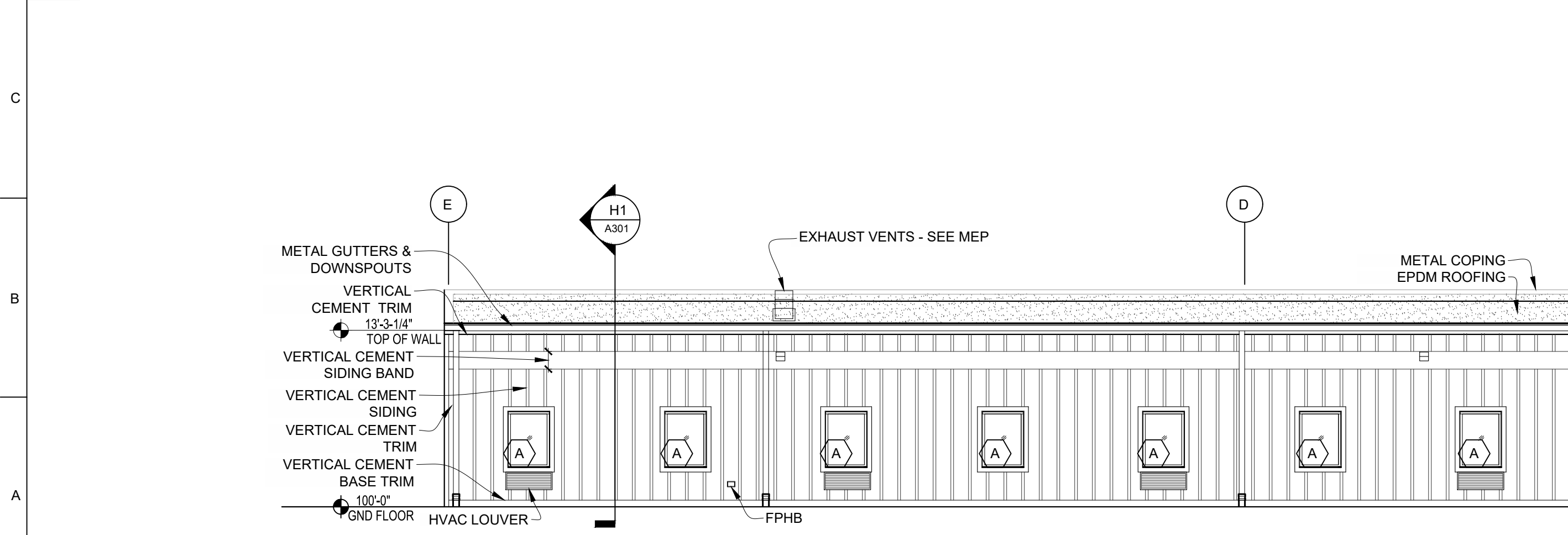
D8 FOUNDATION DETAIL
SCALE: 1 1/2" = 1'-0"



D11 FOUNDATION DETAIL

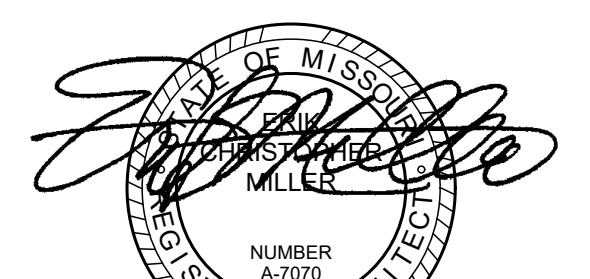


D1 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



A1 EAST ELEVATION
SCALE: 1/8" = 1'-0"

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR



09/19/2025

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

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
ASSET # 3511501027
PWA # 202011.13

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

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

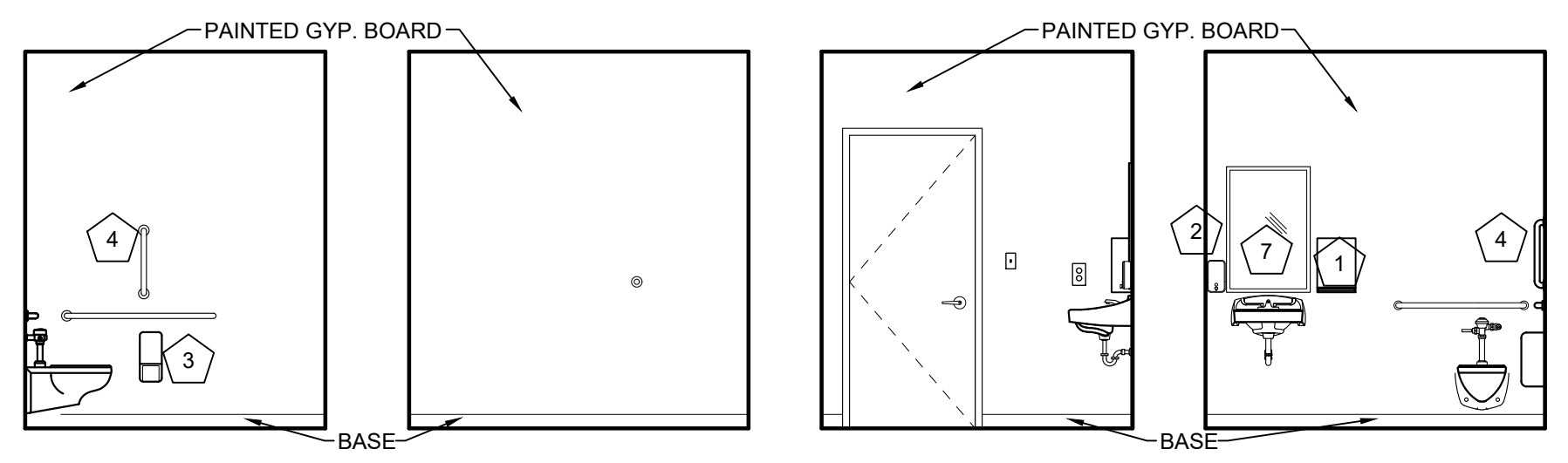
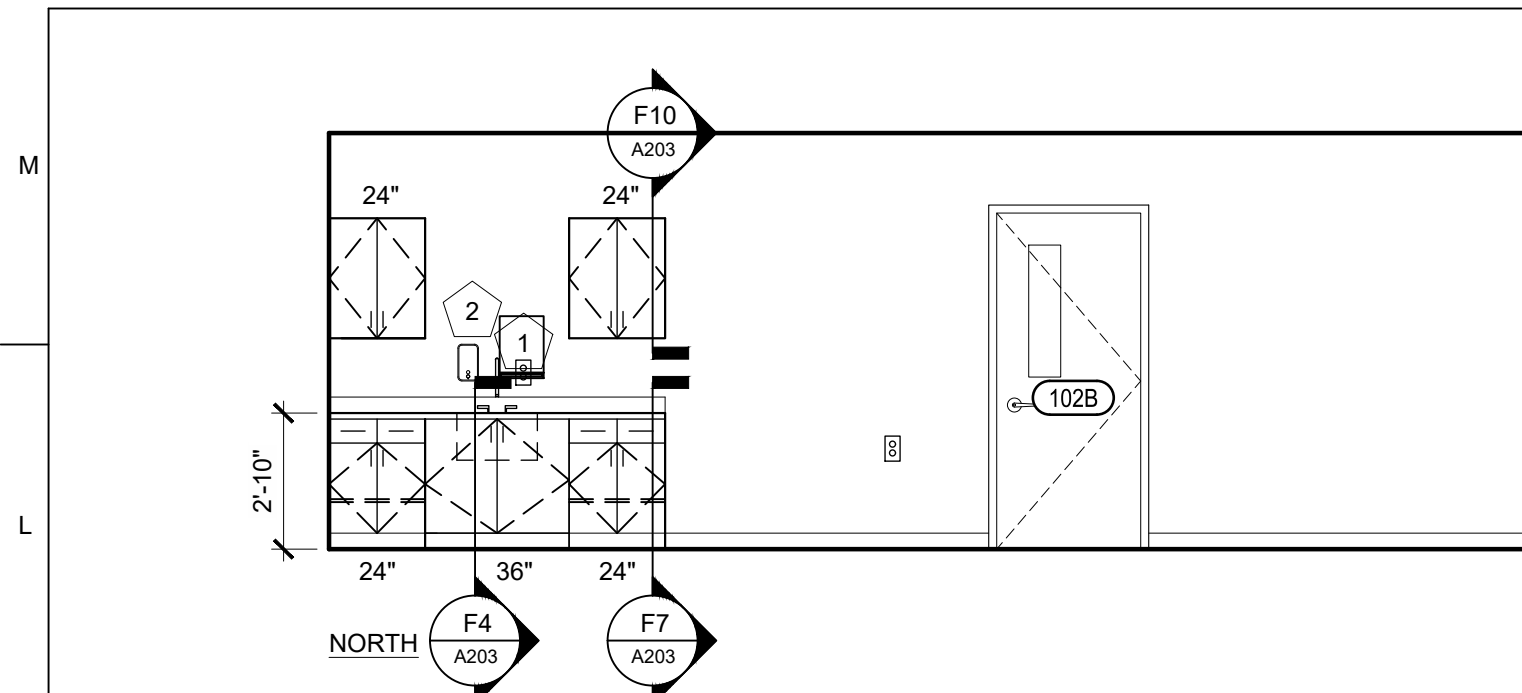
SHEET TITLE:

EXTERIOR
ELEVATIONS

SHEET NUMBER:

A201

28 OF 55 SHEETS
September 19, 2025



K1 C5
A101
INTERIOR ELEVATION - X
SCALE: 1/8" = 1'-0"

K5 XX
A101
INTERIOR ELEVATION - RESTROOMS
SCALE: 1/8" = 1'-0"

GENERAL FLOOR PLAN NOTES

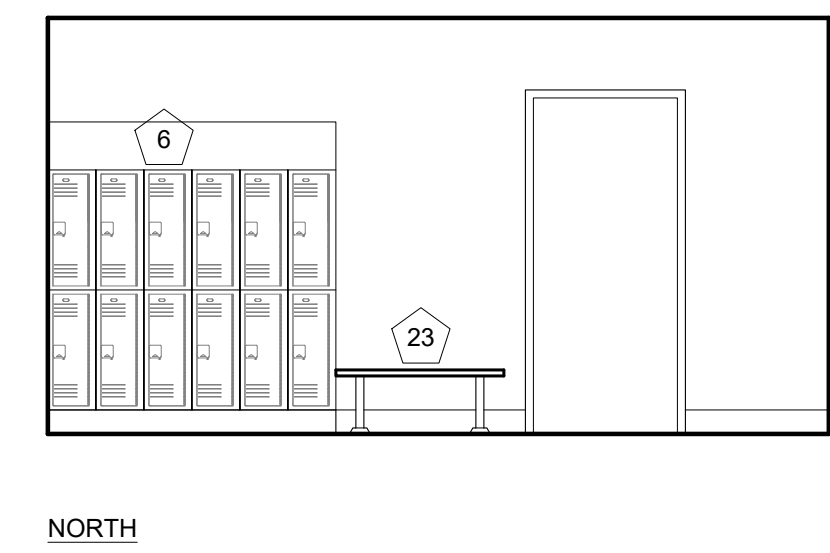
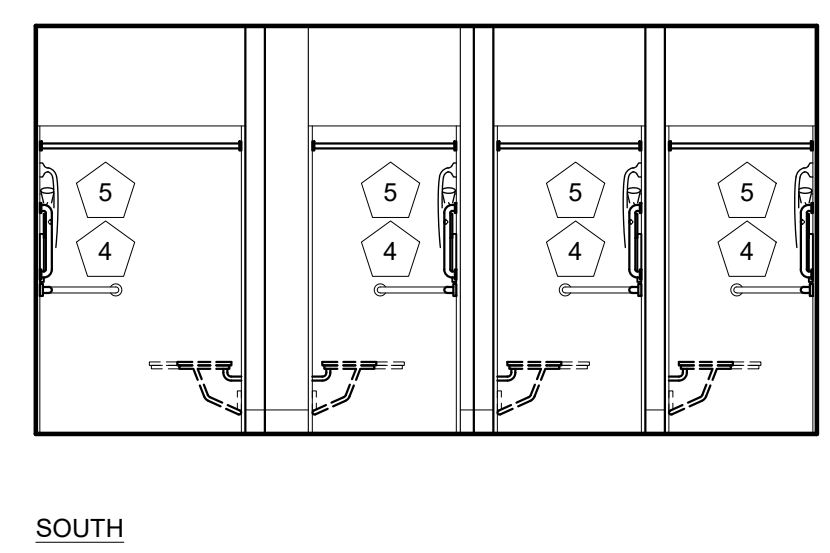
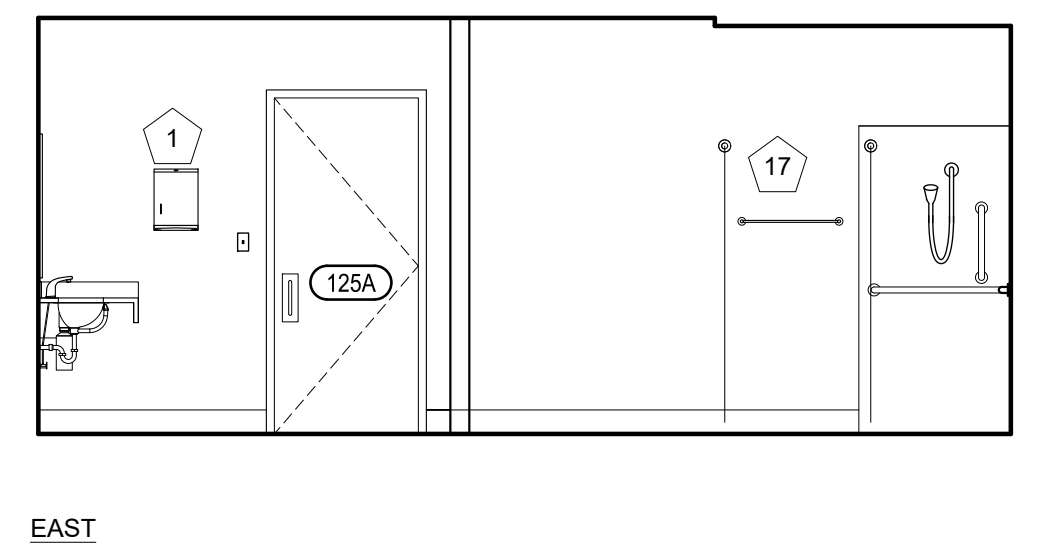
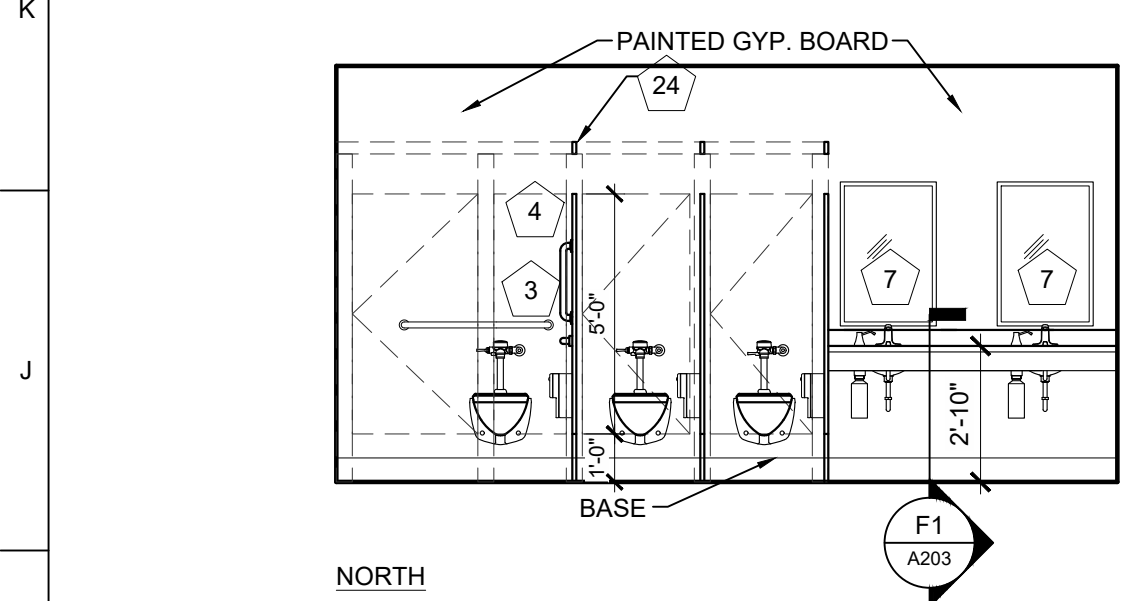
1. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO EXECUTING ANY WORK. NOTIFY ARCHITECT OF ANY DIMENSIONS OR WORK DIFFERING FROM THAT SHOWN. FOR CLARIFICATION BY THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
2. VERIFY ALL ROUGH OPENINGS FOR DOORS, WINDOWS, EQUIPMENT, & OTHER "BUILT-IN" ITEMS PRIOR TO EXECUTION OF ANY WORK AFFECTED BY SAME.
3. LOCATE DOOR OPENINGS WHICH ARE NOT DIMENSIONED OTHERWISE, CENTERED IN WALL AND 6" FROM FINISH WALL TO FINISH JAMB. LOCATE DOOR OPENINGS IN MASONRY WALLS BETWEEN 4" TO 6" OFF WALLS SO THAT PROPER COURSING IS ACHIEVED
4. COORDINATE ALL FLOOR DRAINS AND OTHER REFERENCED MECHANICAL, ELECTRICAL, OR PLUMBING ITEMS W/ M.E.P.
5. COORDINATE ALL REQUIRED UTILITIES WITH EQUIPMENT MANUFACTURER.
6. ALL DIMENSIONS ARE TO FACE OF STUD OR MASONRY - UNLESS OTHERWISE NOTED.
7. DO NOT SCALE DRAWINGS - WHERE DIMENSIONAL DISCREPANCIES ARE ENCOUNTERED NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
8. COORDINATE HEIGHTS OF OUTLETS & SWITCHING WITH ALL ARCHITECTURAL ITEMS. SEE M/E DRAWINGS FOR LOCATIONS.
9. SEE A300 FOR INTERIOR PARTITION WALL TYPES AND DETAILS.
10. SEE INTERIOR ELEVATIONS FOR ADDITIONAL KEY NOTED ITEMS NOT LABELED IN PLAN.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

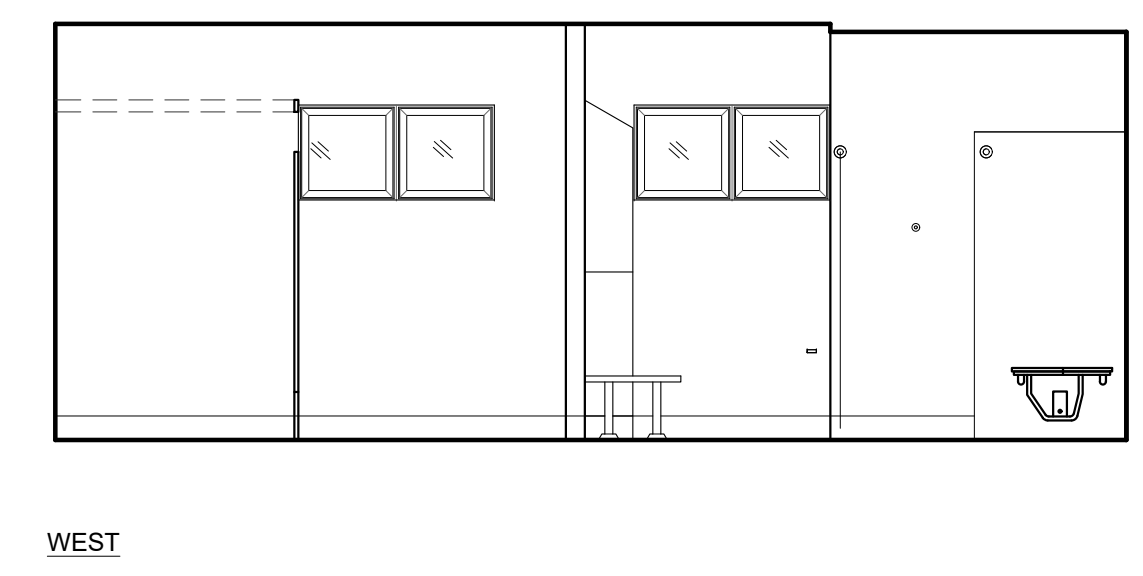
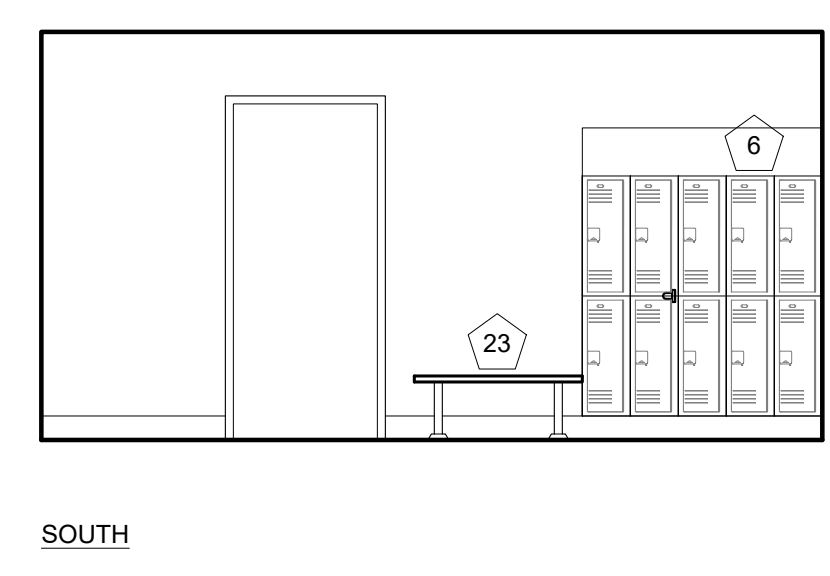
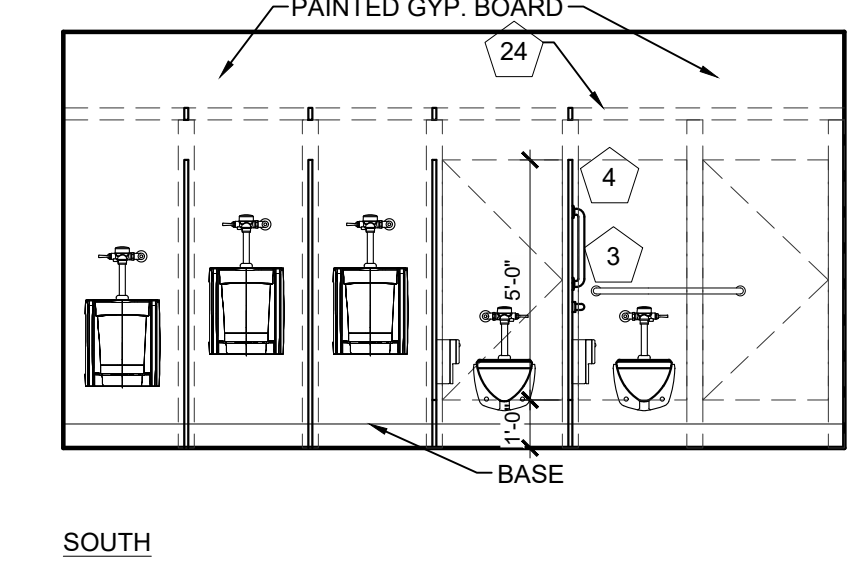
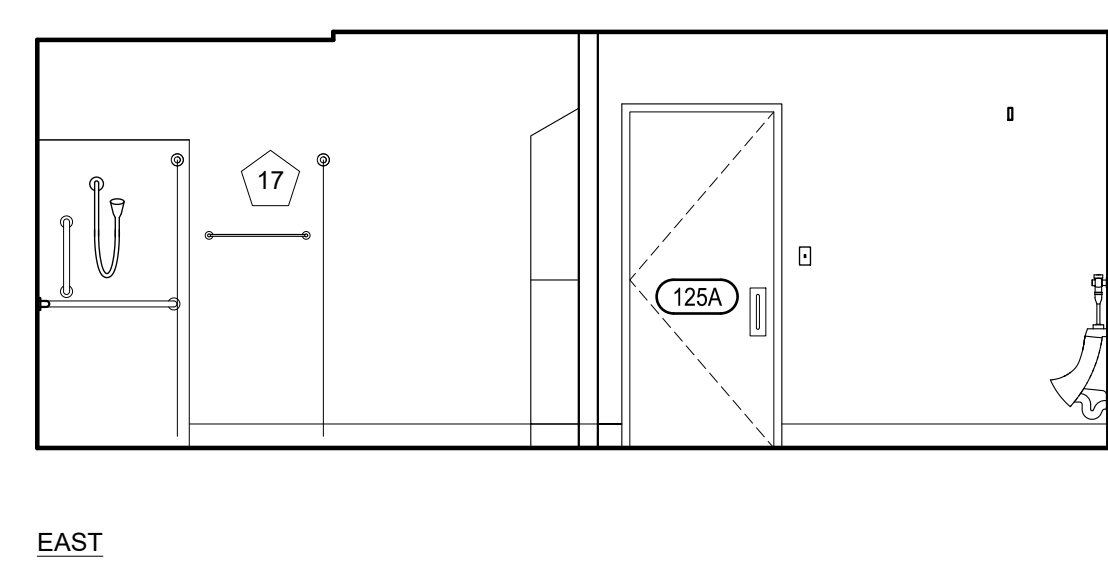
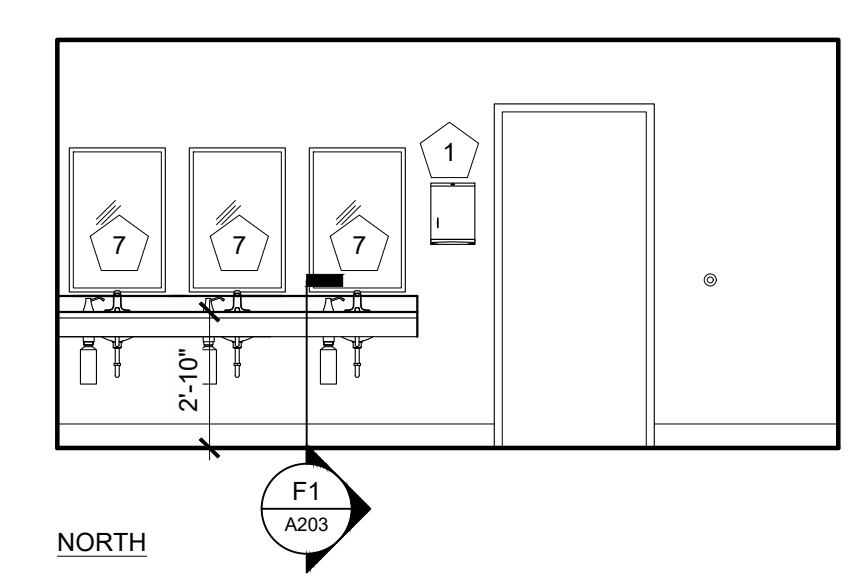
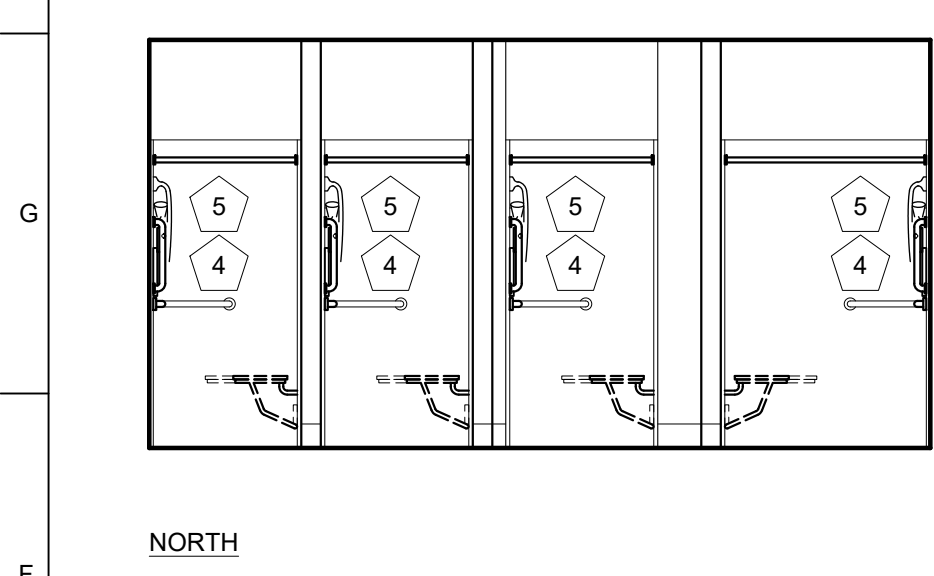


09/19/2025
Peckham & Wright Architects, Inc., d.b.a.
PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 572.449.2983
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION



H1 J9
A101
INTERIOR ELEVATION - MENS RESTROOM 127
SCALE: 1/8" = 1'-0"



F1 K6
A101
INTERIOR ELEVATION - WOMENS RESTROOM 125
SCALE: 1/8" = 1'-0"

KEY NOTES

- SEE ENLARGED PLANS AND INTERIOR ELEVATIONS FOR ALL ITEMS:
- 1 PAPER TOWEL DISPENSER - BOBRICK B-4282
 - 2 SOAP DISPENSER - BOBRICK B-2013
 - 3 TOILET PAPER DISPENSER - BOBRICK B-2888
 - 4 GRAB BARS - BOBRICK B-5806
 - 5 SHOWER ROD AND CURTAIN - BOBRICK B-207
 - 6 LOCKERS
 - 7 MIRROR - BOBRICK B-165
 - 8 DUAL ROLLER SHADE
 - 9 FIRE EXTINGUISHER CABINET 2A-10B-C
 - 10 18" ADJUSTABLE MELAMINE SHELVES AND 60" STANDARDS @ 32" O.C. - 4 LEVELS
 - 11 BOBRICK B-239 X 34 SHELF WITH MOP AND BROOM HOLDERS AND HOOKS
 - 12 48"x14"x60" STAINLESS STEEL WIRE RACK SHELVING
 - 13 CORNER GUARD
 - 14 CUBICAL DIVIDER CURTAIN AND TRACK
 - 15 18"x96" STAINLESS STEEL SHELF
 - 16 18"x60" STAINLESS STEEL SHELF
 - 17 TOWEL BAR BOBRICK B-545x24
 - 18 TRASH CAN BOBRICK B-221216
 - 19 CORNER MOP SINK FRP WALL PANELS 2 WALL 24"Wx48" T
 - 20 SOLID SURFACE SILL
 - 21 KITCHEN FIRE EXTINGUISHER WC (K-Type), 2.5 Gallon
 - 22 COAT HOOK BOBRICK B-542
 - 23 ADA LOCKER ROOM BENCH
 - 24 SOLID PLASTIC TOILET PARTITIONS
 - 25 SURFACE-MOUNTED HAT AND COAT HOOK BOBRICK B-6827

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
ASSET # 3511501027
PWA # 202011.13

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

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

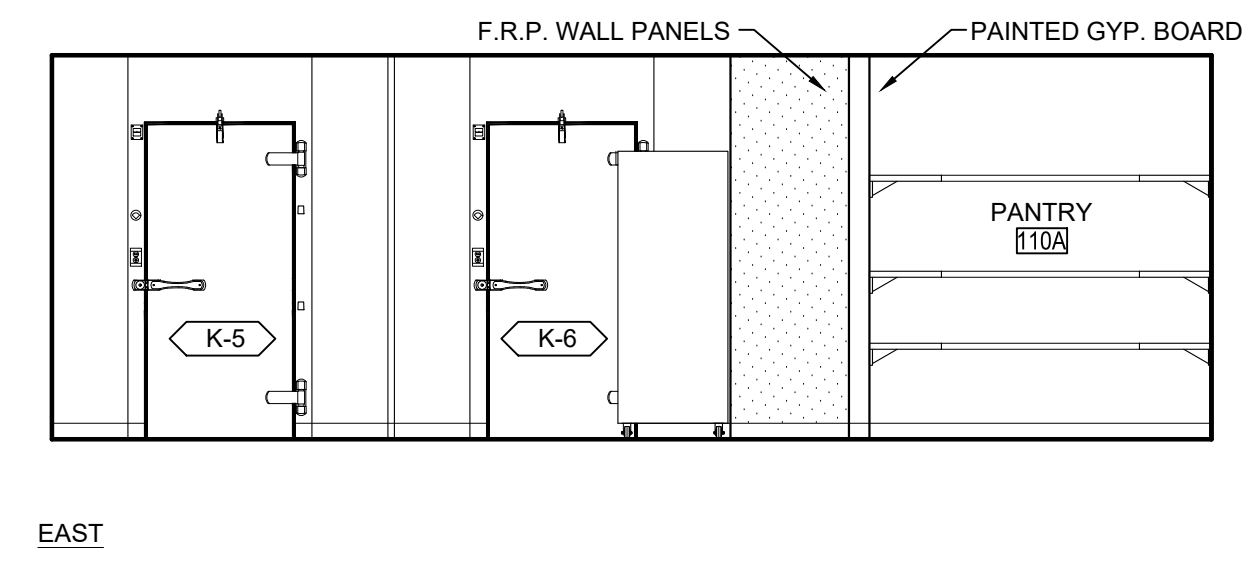
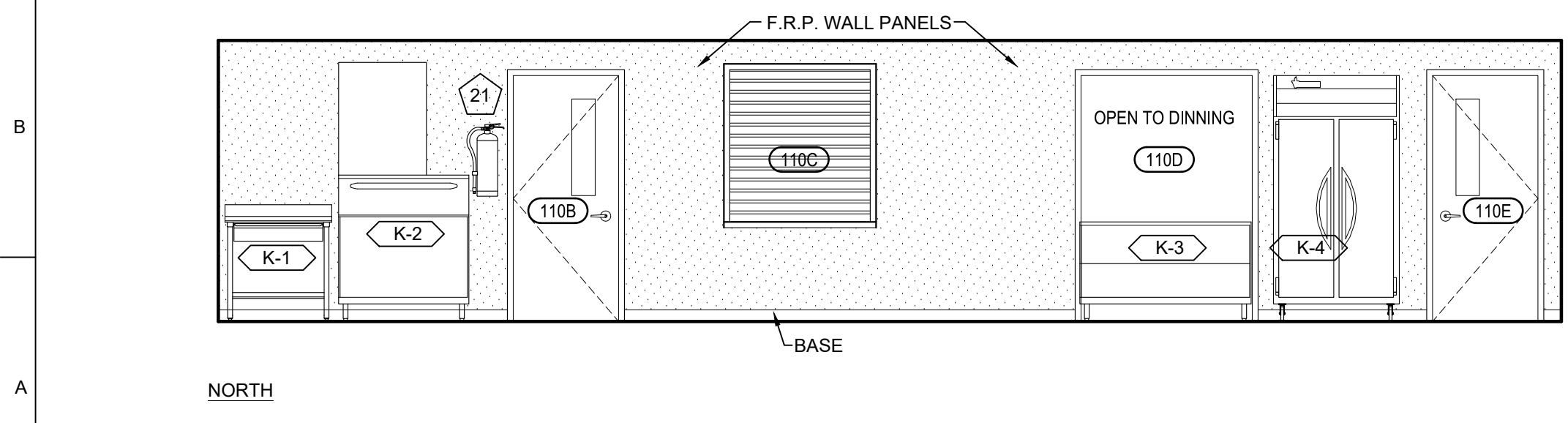
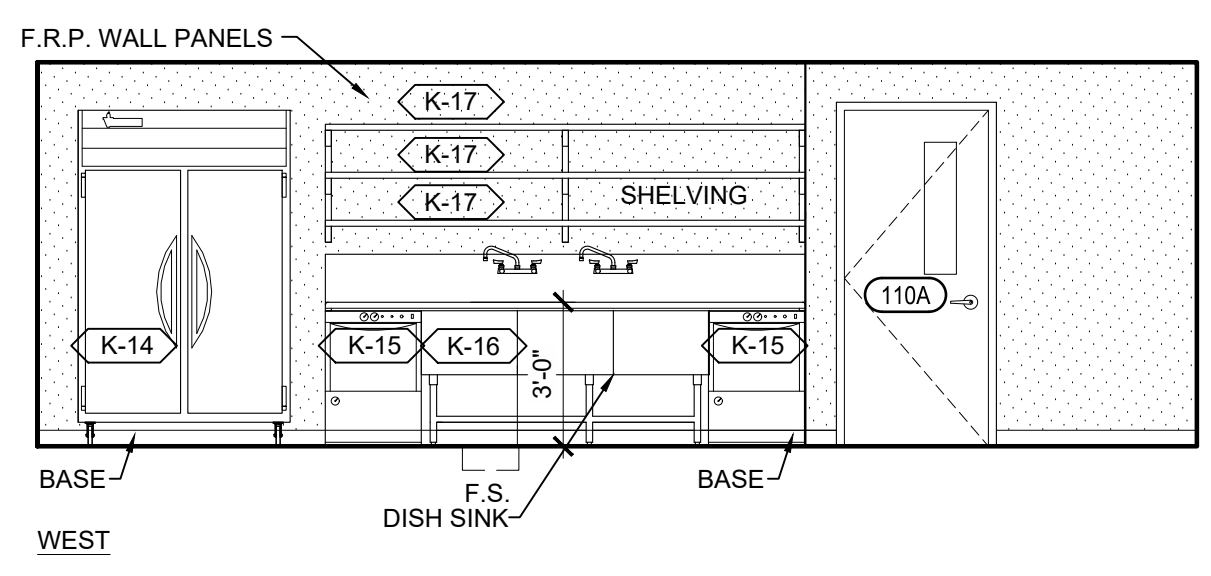
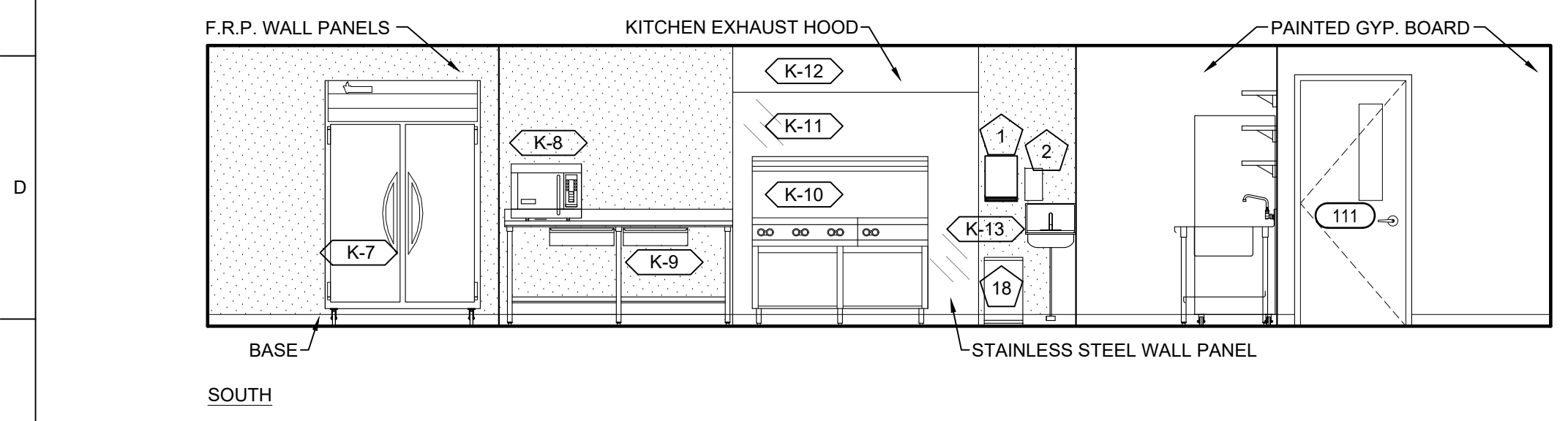
SHEET TITLE:

INTERIOR ELEVATIONS

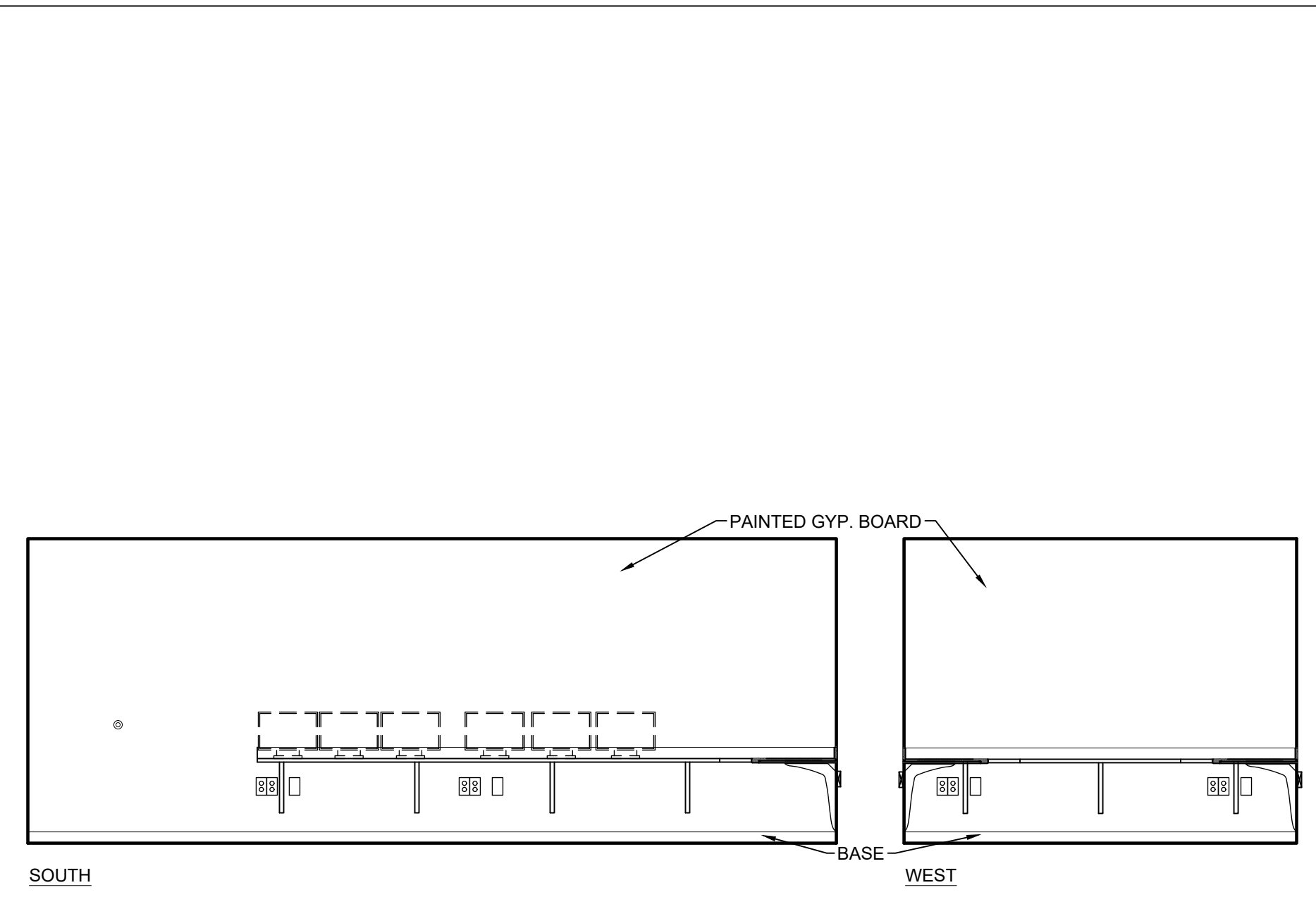
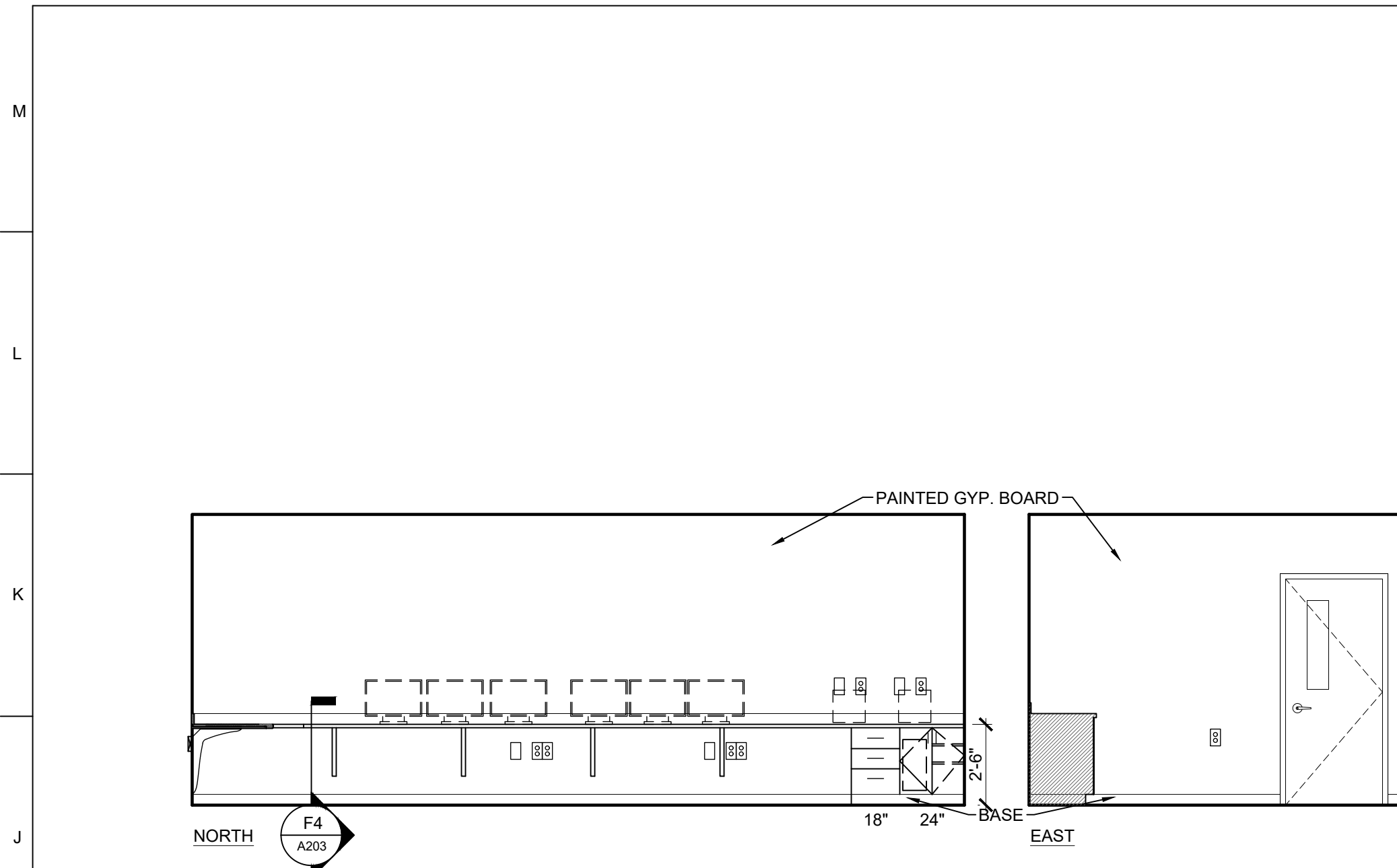
SHEET NUMBER:

A202

29 OF 55 SHEETS
September 19, 2025



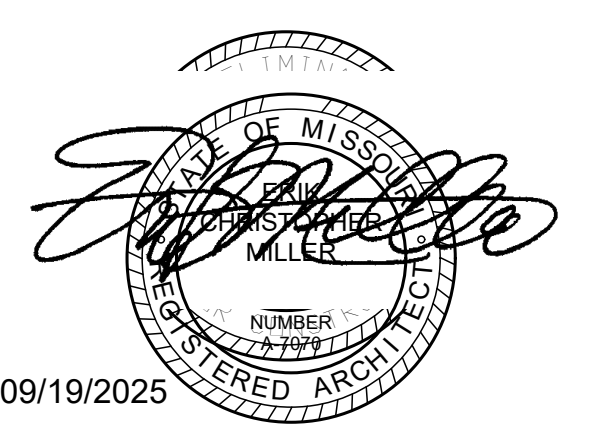
F10 A1
A102
INTERIOR ELEVATION - KITCHEN 110
SCALE: 1/8" = 1'-0"



J1 B7 A101 INTERIOR ELEVATION - DISPATCH 105
SCALE: 1/8" = 1'-0"

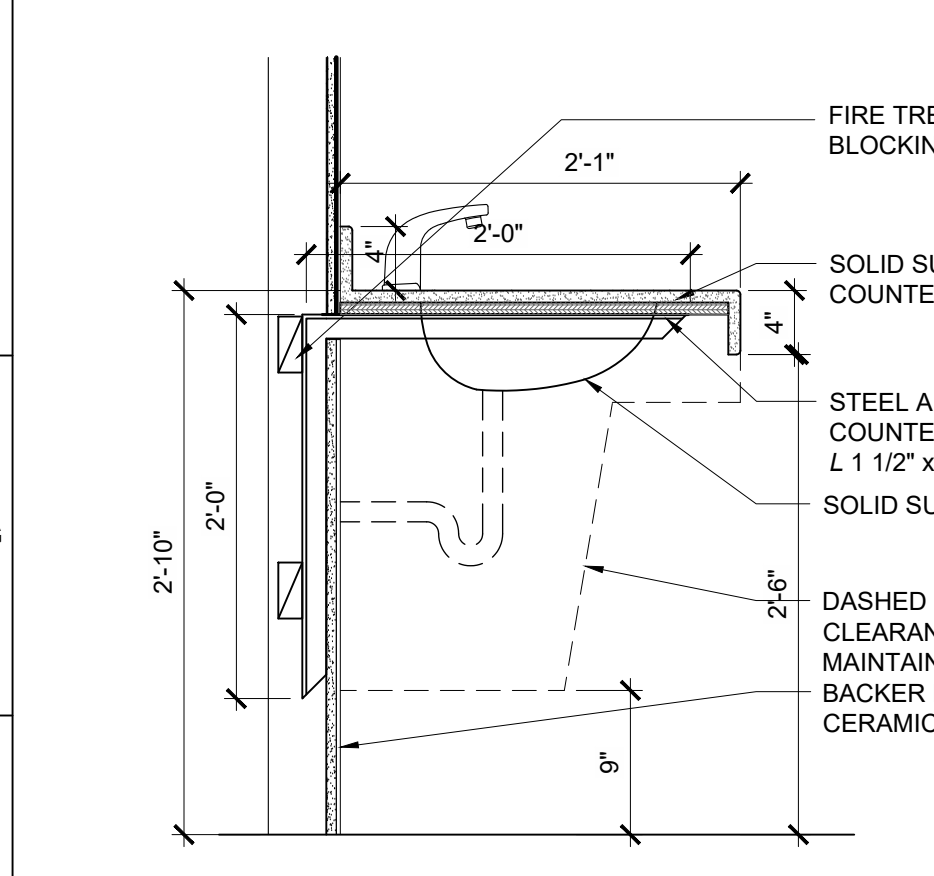
- GENERAL ELEVATION NOTES**
- SEE WALL SECTIONS FOR ADDITIONAL DETAILS, MATERIALS, NOTES, AND DIMENSIONS.
 - SEE REFLECTED CEILING PLAN FOR CEILING HEIGHTS AND FINISHES.
 - ALL CASEWORK DRAWERS AND DOORS TO HAVE LOCKS.
 - CONTROL JOINTS IN WALLS AT HEAD CORNERS OF ALL DOORS BOTH SIDES OF WALLS AND 30" MAX. O.C. FOR WALLS WITHOUT INTERRUPTION.
 - SEE FLOOR PLANS FOR KEYED NOTES.
 - SEE G003 FOR TYPICAL MOUNTING HEIGHTS FOR ACCESSIBLE WALL MOUNTED ITEMS.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

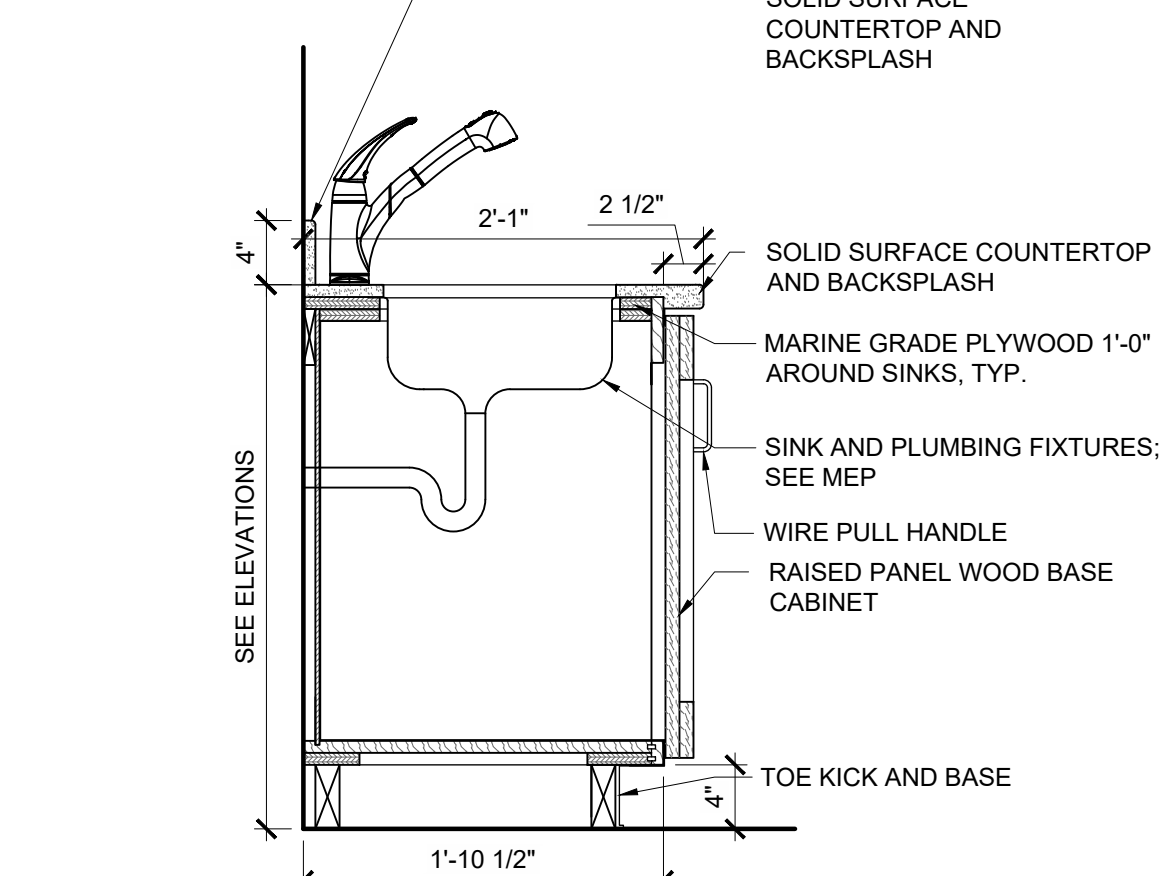


09/19/2025
Peckham & Wright Architects, Inc., d.b.a.
PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2983
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

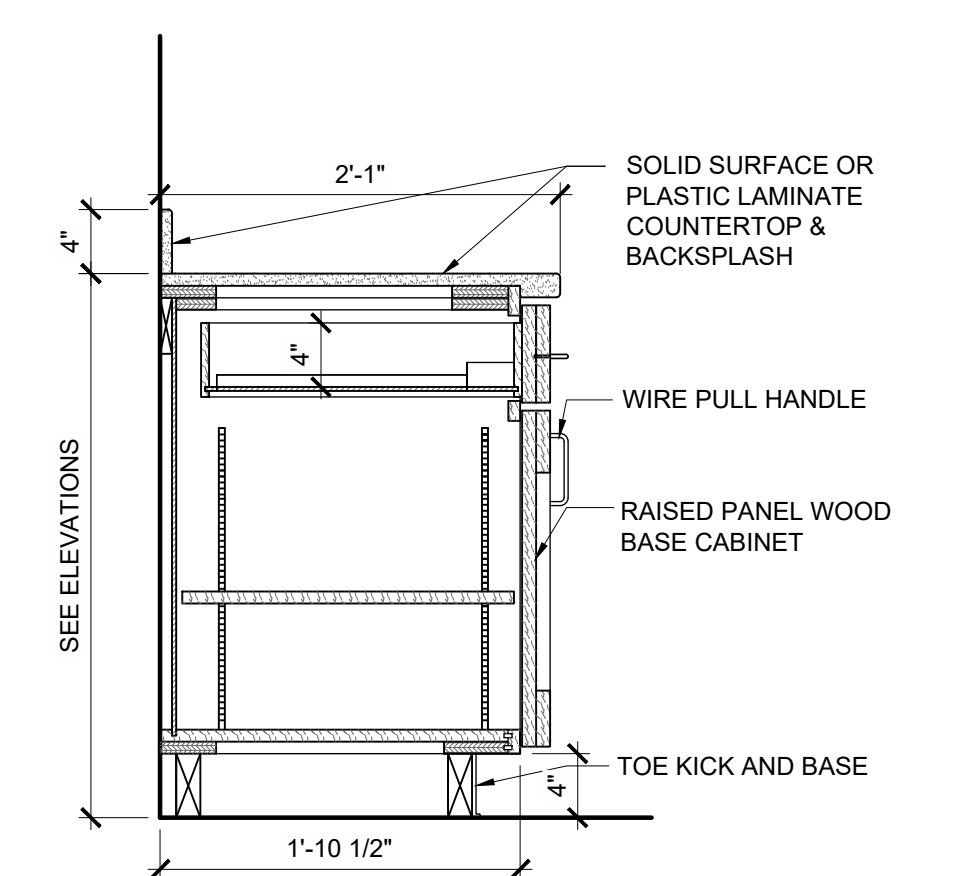
OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION



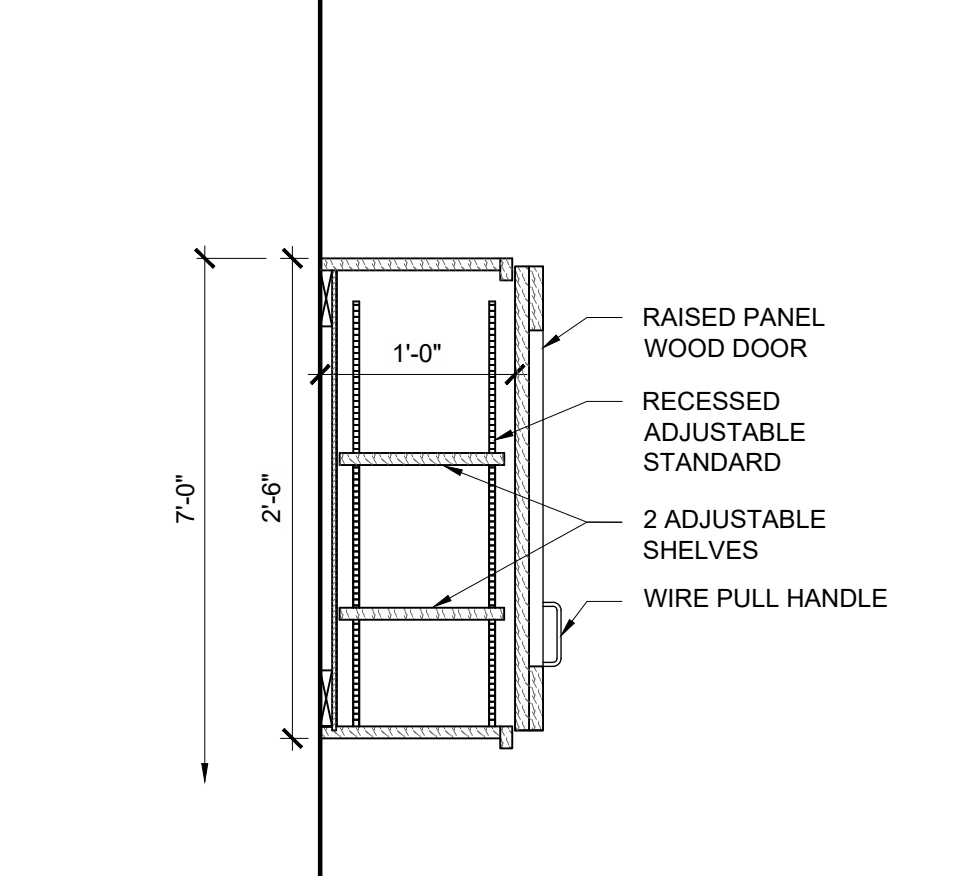
F1 CABINET DETAIL
SCALE: 1" = 1'-0"



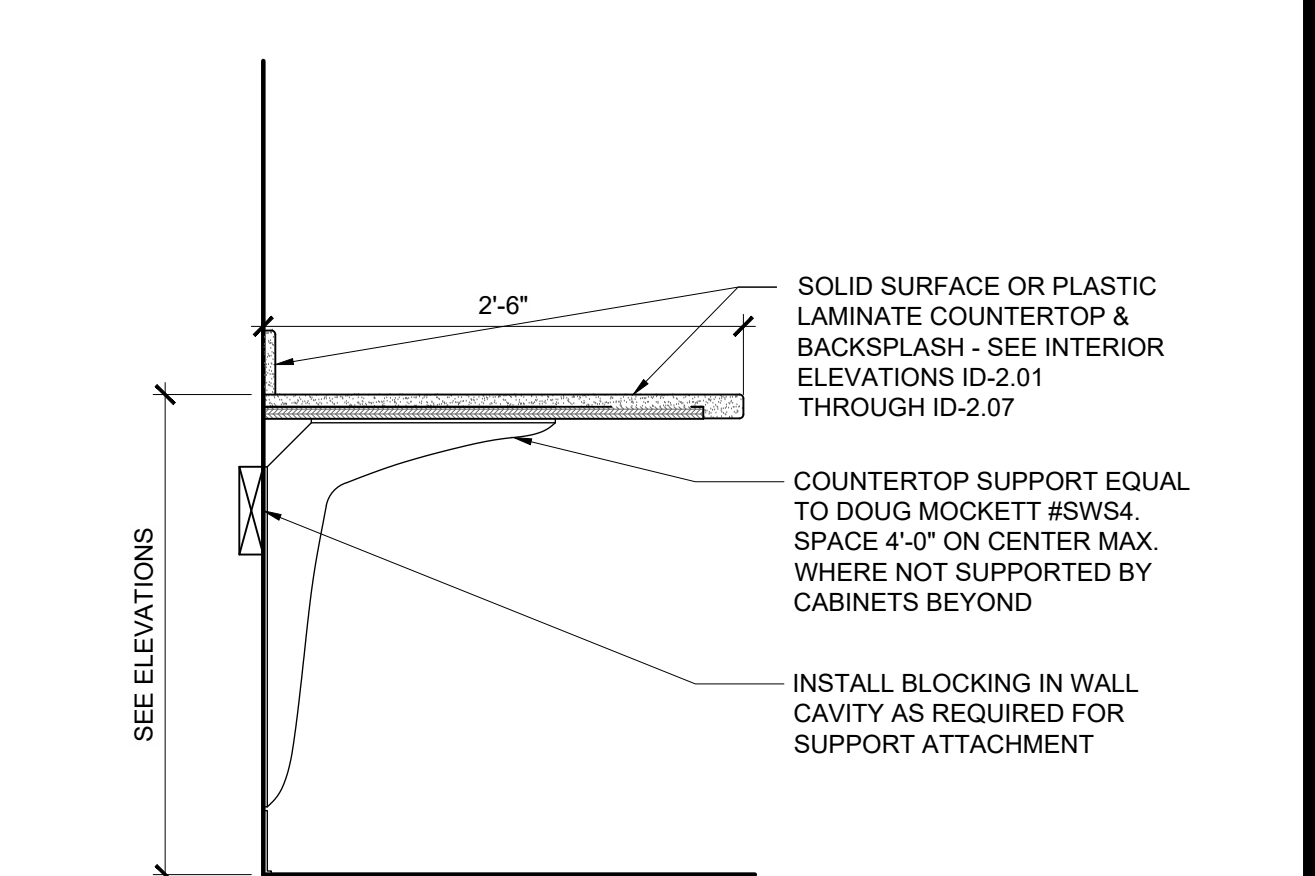
F4 CABINET DETAIL
SCALE: 1" = 1'-0"



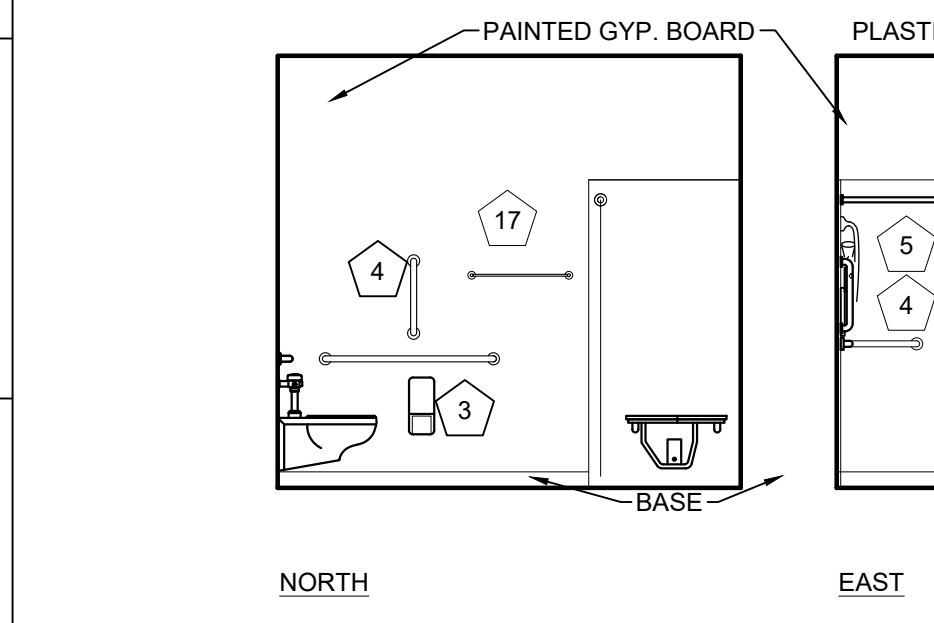
F7 CABINET DETAIL
SCALE: 1" = 1'-0"



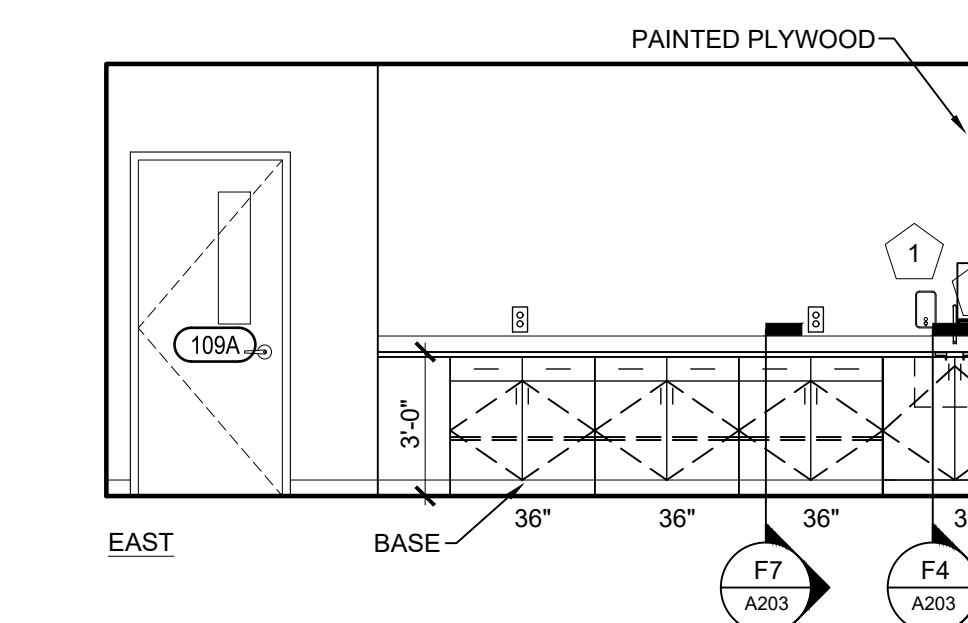
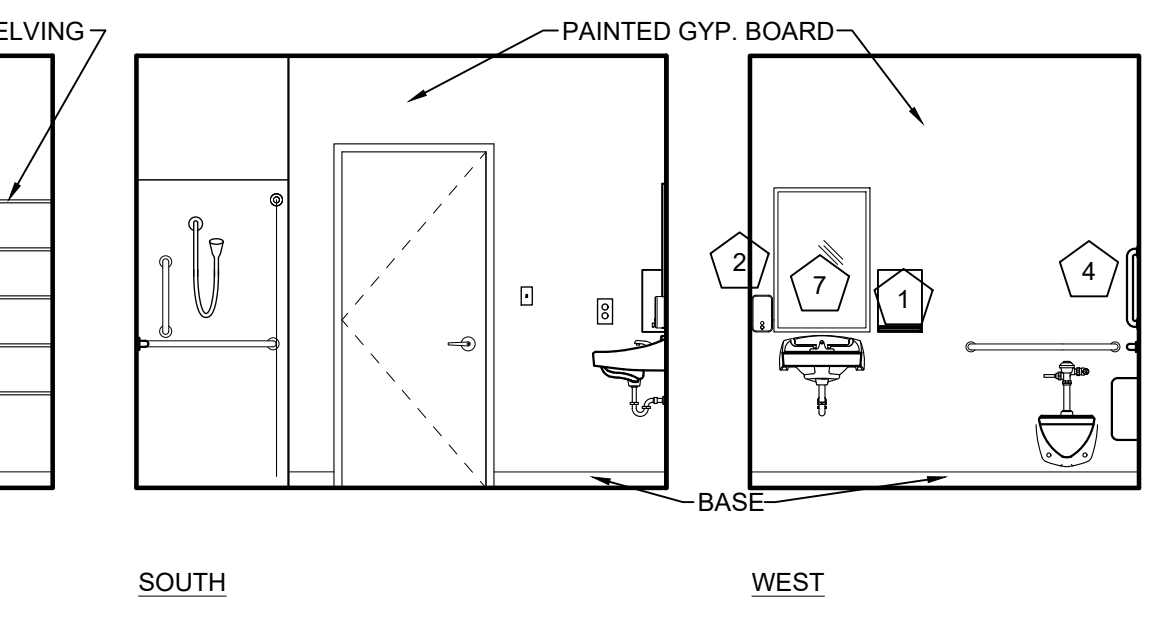
F10 CABINET DETAIL
SCALE: 1" = 1'-0"



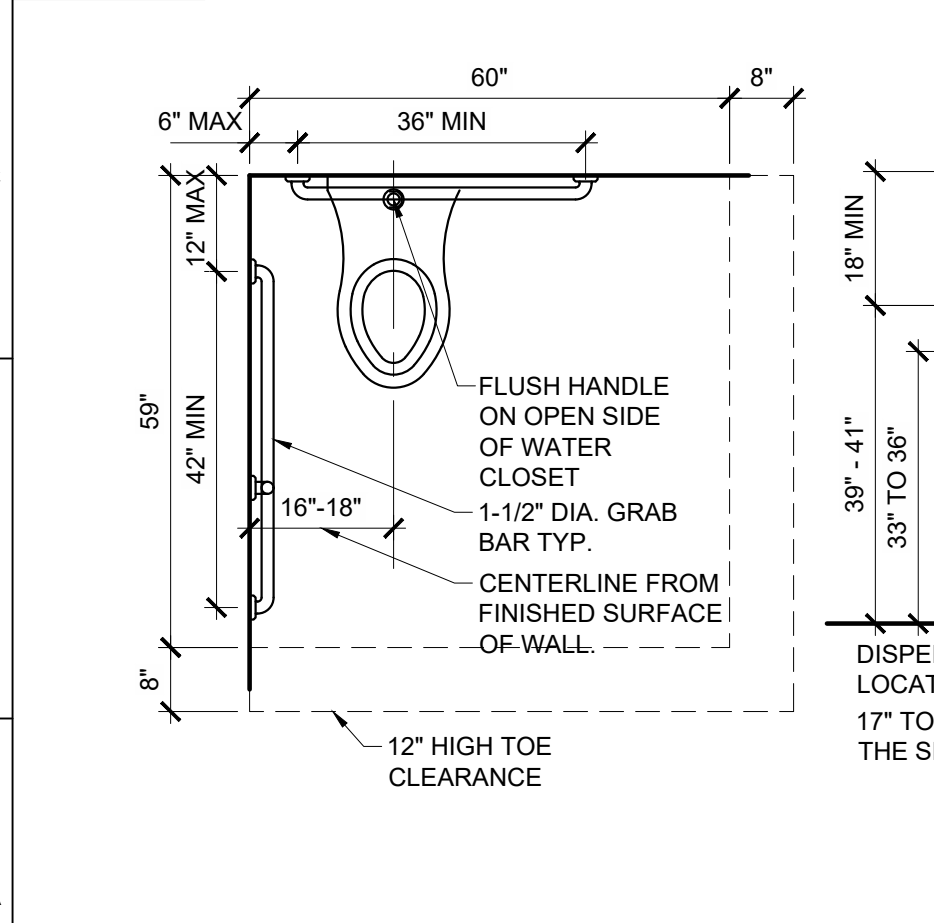
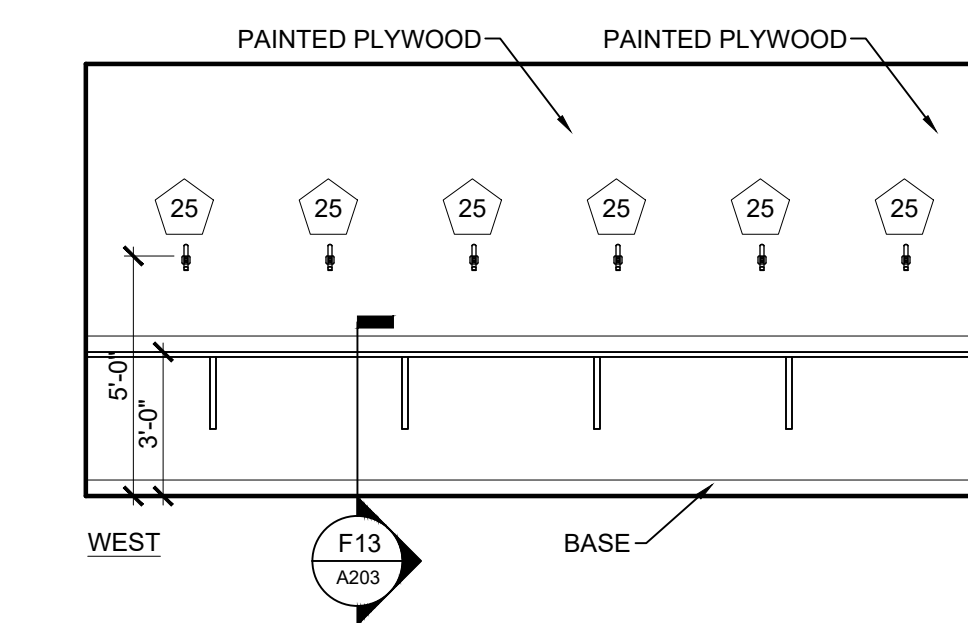
F13 CABINET DETAIL
SCALE: 1" = 1'-0"



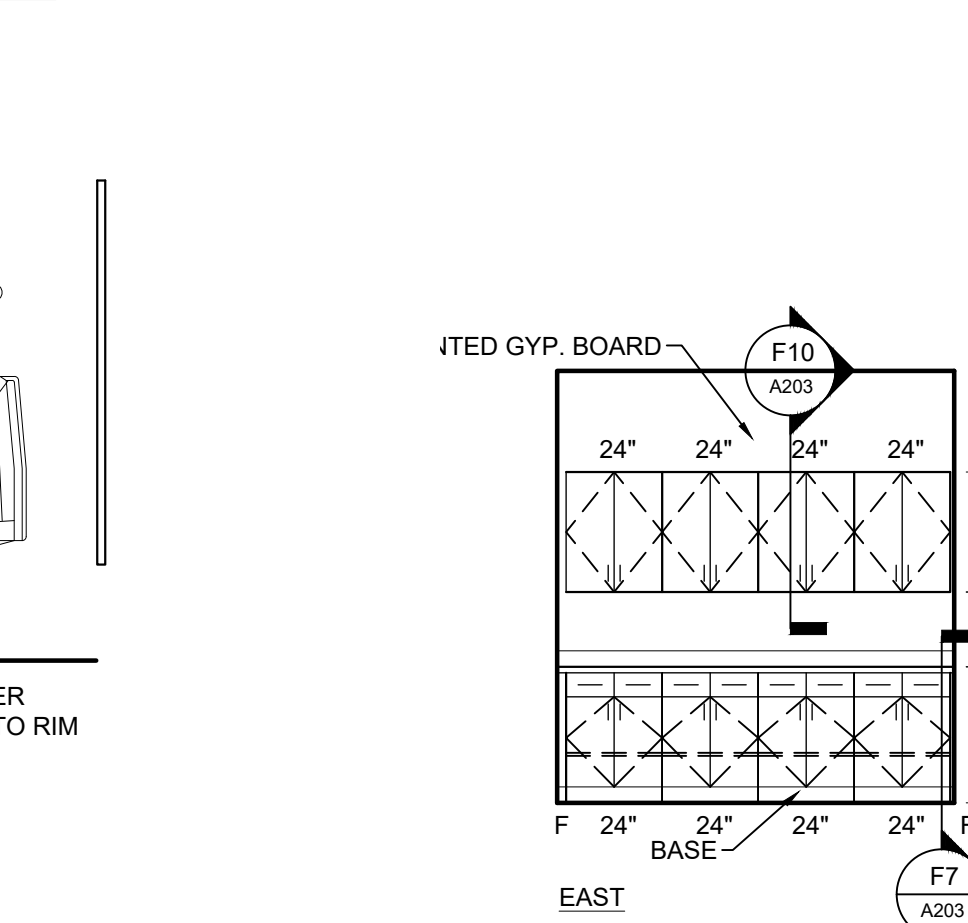
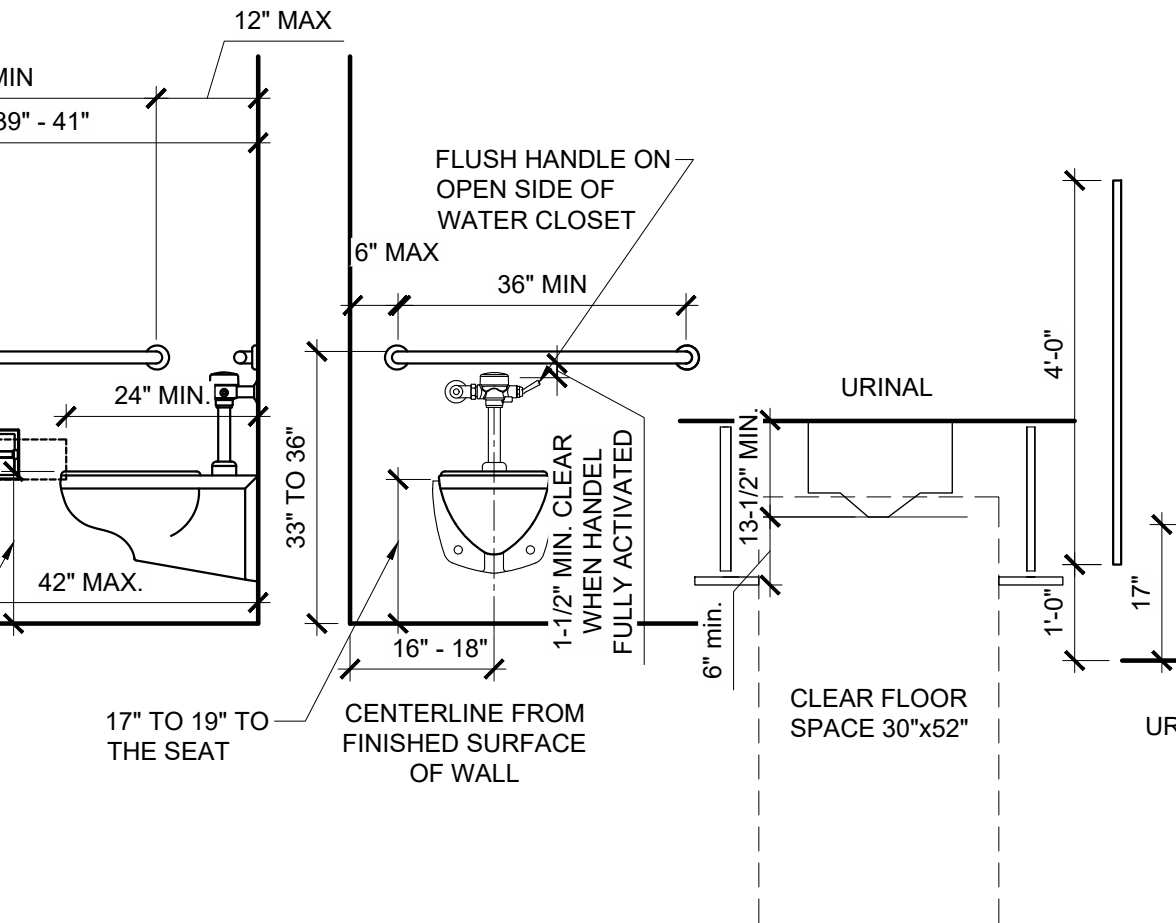
D1 B11 A102 INTERIOR ELEVATION - RESTROOM 112
SCALE: 1/8" = 1'-0"



D7 B9 A102 INTERIOR ELEVATION - GEAR STORAGE 109
SCALE: 1/8" = 1'-0"



A1 ADA REQUIREMENTS @ PLUMBING FIXTURES ADULT RESTROOMS
SCALE: 1/2" = 1'-0"



E10 A101 A203 INTERIOR ELEVATION - CHECK-IN 122
SCALE: 1/8" = 1'-0"

- KEY NOTES**
- SEE ENLARGED PLANS AND INTERIOR ELEVATIONS FOR ALL ITEMS:
- PAPER TOWEL DISPENSER - BOBRICK B- 4262
 - SOAP DISPENSER - BOBRICK B-2013
 - TOILET PAPER DISPENSER - BOBRICK B-2888
 - GRAB BARS - BOBRICK B-5806
 - SHOWER ROD AND CURTAIN - BOBRICK B-207
 - LOCKERS
 - MIRROR - BOBRICK B-165
 - DUAL ROLLER SHADE
 - FIRE EXTINGUISHER CABINET 2A-10B-C
 - 16" ADJUSTABLE MELAMINE SHELVES AND 60" STANDARDS @ 32" O.C. - 4 LEVELS
 - BOBRICK B-239 X 34 SHELF WITH MOP AND BROOM HOLDERS AND HOOKS
 - 48"x14"x60" STAINLESS STEEL WIRE RACK SHELVING
 - CORNER GUARD
 - CUBICAL DIVIDER CURTAIN AND TRACK
 - 18"x96" STAINLESS STEEL SHELF
 - 18"x60" STAINLESS STEEL SHELF
 - TOWEL BAR BOBRICK B-545x24
 - TRASH CAN BOBRICK B-221216
 - CORNER MOP SINK FRP WALL PANELS 2 WALL 24"Wx48"H
 - SOLID SURFACE SILL
 - KITCHEN FIRE EXTINGUISHER VFC (K-Type), 2.5 Gallon
 - COAT HOOK BOBRICK B-542
 - ADA LOCKER ROOM BENCH
 - SOLID PLASTIC TOILET PARTITIONS
 - SURFACE-MOUNTED HAT AND COAT HOOK BOBRICK B-6827

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
ASSET # 3511501027
PWA # 202011.13

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

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

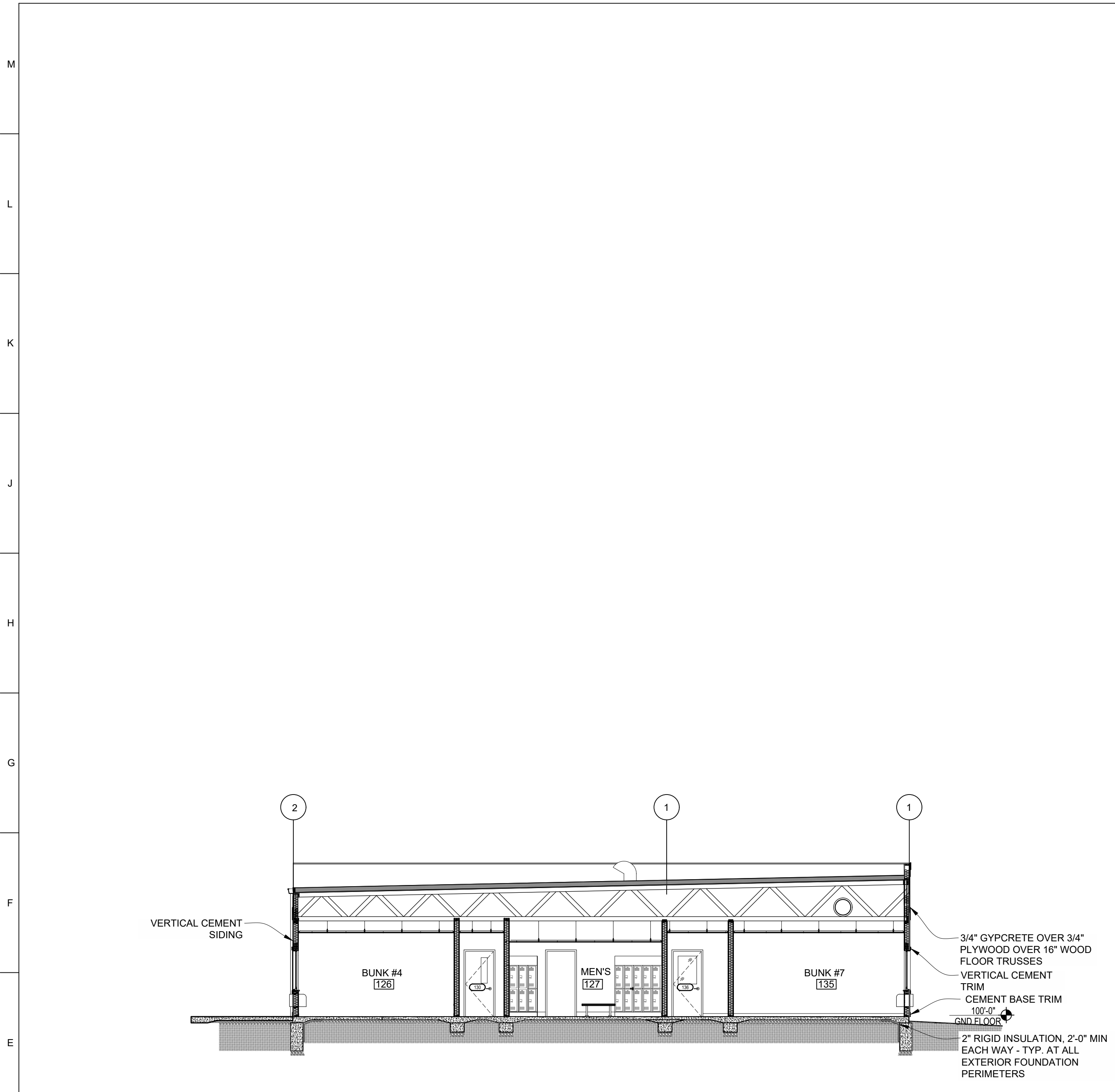
SHEET TITLE:

INTERIOR
ELEVATIONS

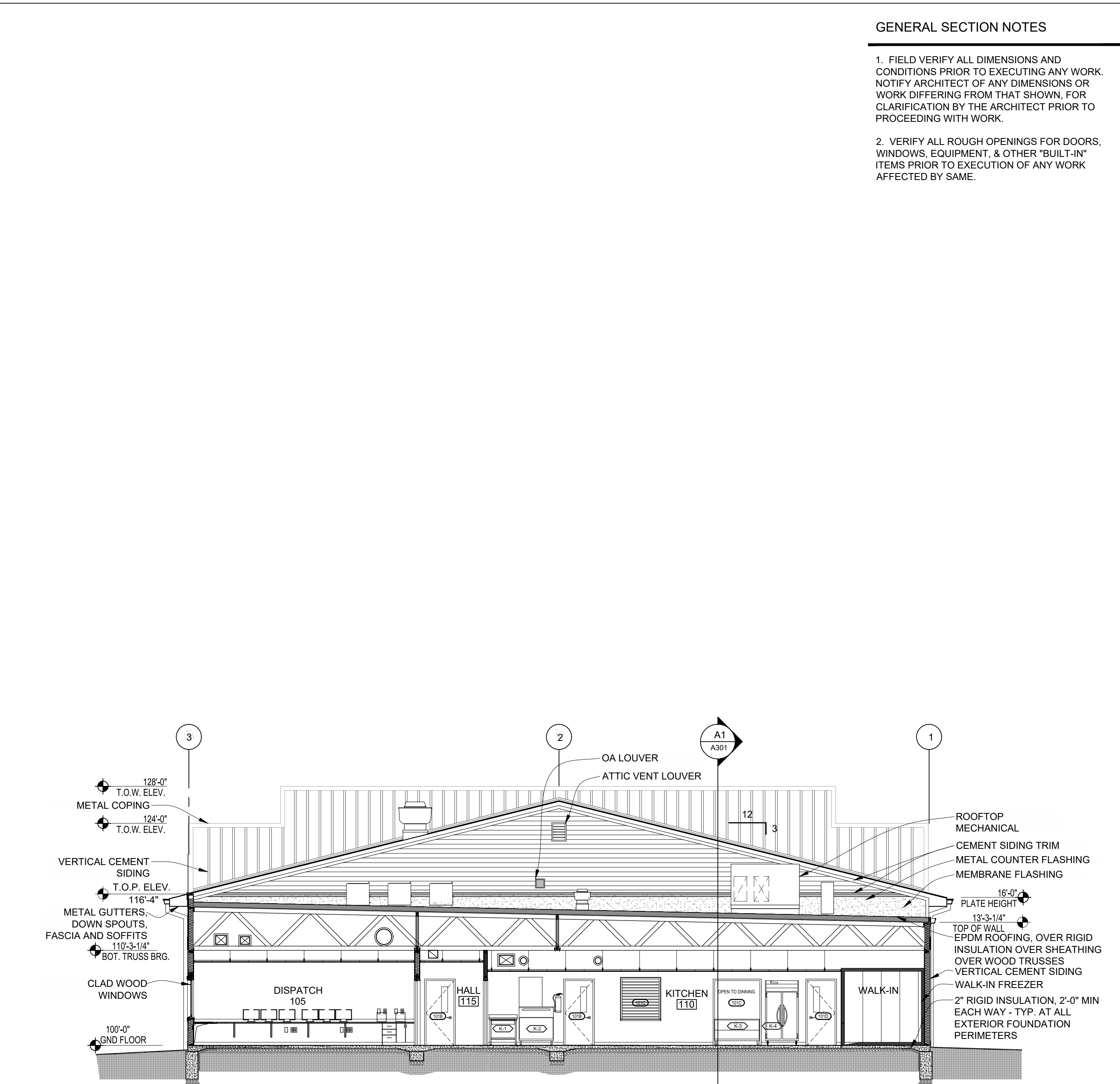
SHEET NUMBER:

A203

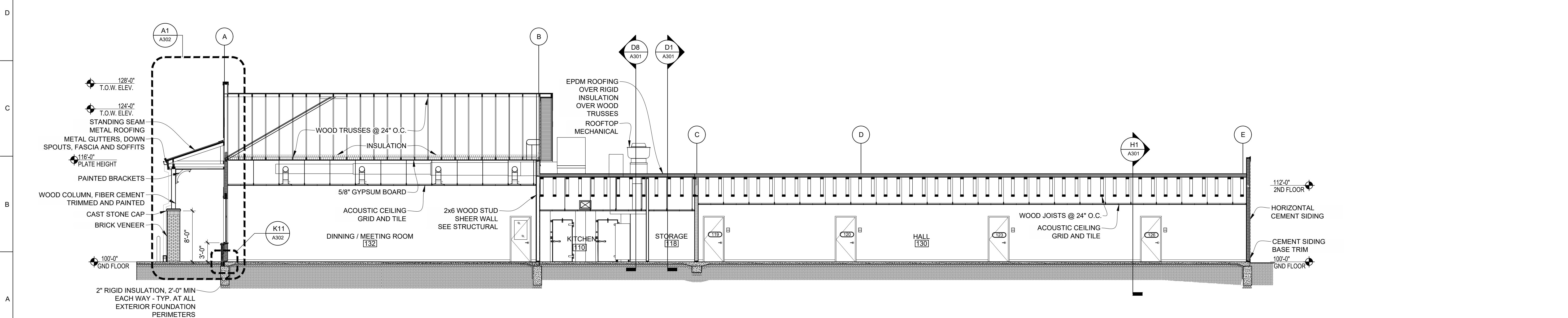
30 OF 55 SHEETS
September 19, 2025



D1 EAST / WEST BUILDING SECTION LOOKING SOUTH
SCALE: 1/8" = 1'-0"



D8 EAST / WEST BUILDING SECTION LOOKING NORTH
SCALE: 1/8" = 1'-0"



A1 NORTH / SOUTH BUILDING SECTION LOOKING EAST
SCALE: 1/8" = 1'-0"

GENERAL SECTION 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.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR



09/19/2025

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

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT, DESIGN AND CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
ASSET # 3511501027
PWA # 202011.13

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

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

SHEET TITLE:
BUILDING SECTIONS AND DETAILS

SHEET NUMBER:

A301

GENERAL SECTION 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.

T.O.W.
EL. 124'-0" (STEP)
EL. 128'-0" (TOP)

METAL COPING
VERTICAL CEMENT SIDING
OVER WEATHER BARRIER
OVER SHEATHING

COMPOSITE SHINGLES
OVER SHEATHING OVER
WOOD TRUSSES

FIBER CEMENT TRIM
METAL ROOFING HEAD
FLASHING
CLOSURE PANEL
2x BRACING @ 45°
@ 4' O.C.

STANDING SEAM METAL ROOFING
OF ICE AND WATER SHIELD O/
SHEATHING O/ WOOD TRUSSES

SNOW GUARD - APPROX. 2'-0" FROM
EDGE OF EVE. LOCATE OVER
BEARING WALLS WHERE POSSIBLE

METAL GUTTERS, DOWN SPOUTS,
FASCIA AND SOFFITS

H4
A104

TRUSS BRG.
EL. 115'-4"

2'-4"

FRONT ELEVATION

4:12 SLOPE

PROVIDE BLOCKING FOR
SECURE ATTACHMENT OF
BRACKETS

PRE-MANUFACTURED VENTED
METAL SOFFIT

PRE-MANUFACTURED
POLYURETHANE BRACKET
ARCHITECTURAL ELEMENTS
NO. BRA936707-30, OR EQUAL

SIDE ELEVATION/
SECTION

TOOLED SEALANT O/
BACKER ROD ALL
SIDES W/ THROUGH
WALL FLASHING W/
S.S. DRIP.

CAST STONE CAP
1/4" DRIP

T.O. CAST STONE
EL. 108'-4"

9 5/8"

1"

CONCRETE FILLED STEEL
BOLLARDS SEE A100

FINISH FLOOR
EL. 100'-0"

SEALANT UNDER DRIP
1/2" EXPANSION JOINT,
TOOLED SEALANT OVER
EXPANSION MATERIAL
CONCRETE FOOTING;
SEE STRUCTURAL

VERTICAL CEMENT SIDING
OVER WEATHER BARRIER
OVER SHEATHING

FIBER CEMENT TRIM

CLAD WOOD WINDOWS

SOLID SURFACE SILL

PRECAST STONE SILL

BRICK VENEER

BRICK VENEER O/
AIRSPACE W/ WEATHER
BARRIER

6x6 TREATED COLUMN, SEE
STRUCTURAL

THROUGH-WALL
FLASHING W/ S.S. DRIP;
GROUT FULL BELOW
CAVITY VENT

3'-0"

2'-0"

6"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

1'-0"

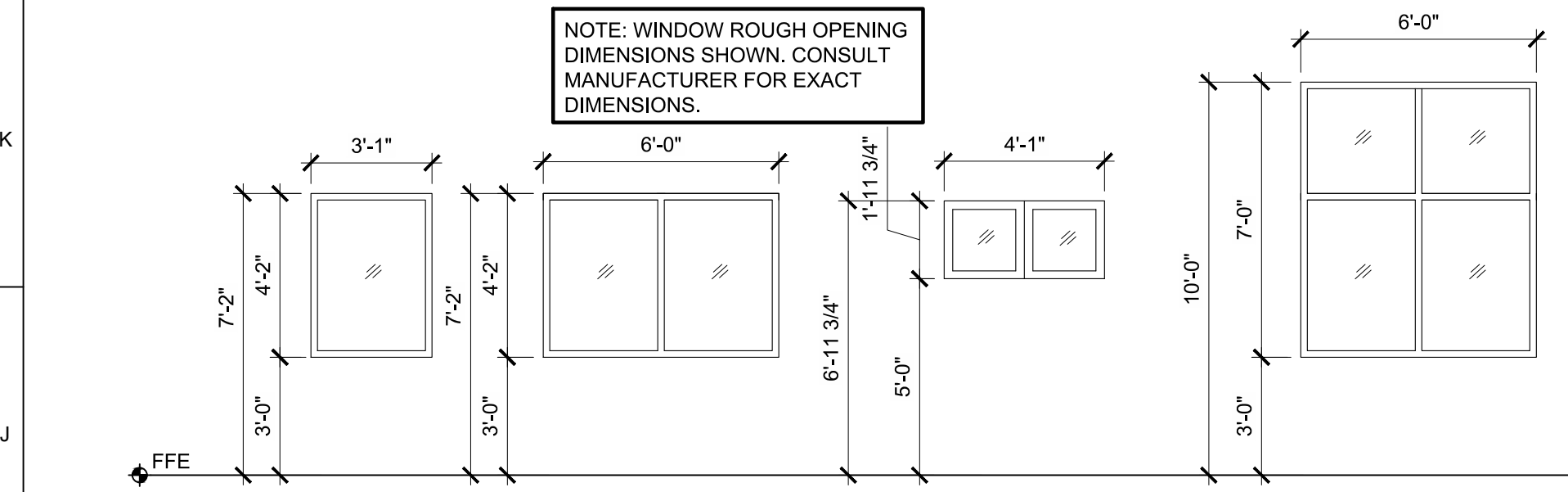
1'-0"

1'-0"

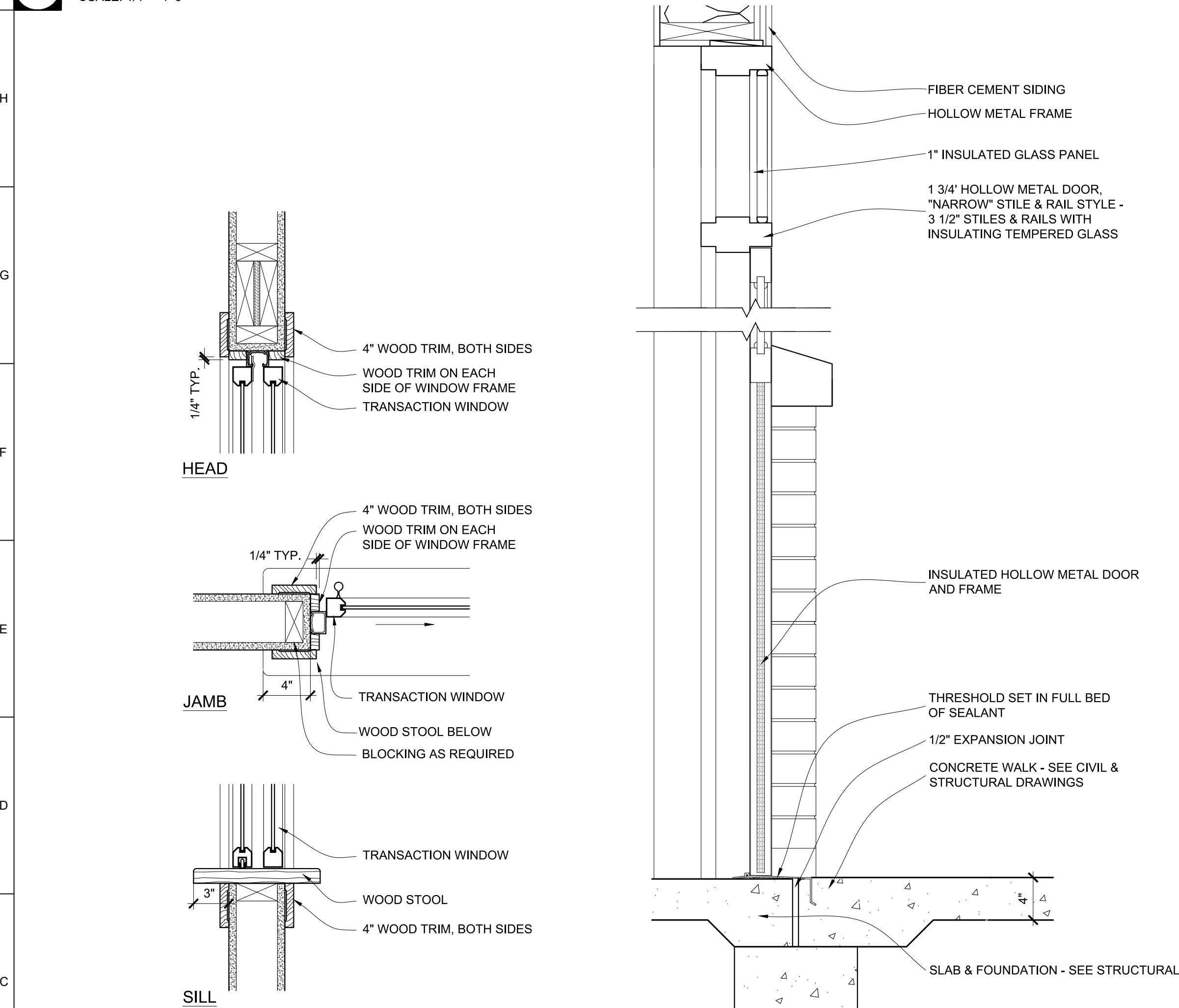
1'-0"

1'-0"

WINDOW SCHEDULE										REMARKS
WINDOW NO.	ROUGH OPENING SIZE (W x H)	MATERIAL		DETAILS			BASIS OF DESIGN			
		FRAME ELEVATION								
		CLAD WOOD	ALUMINUM	HOLLOW METAL	LITE (TEMPERED GLS)	LAMINATED	INSULATED GLASS	HEAD	JAMB	SILL
EXTERIOR WINDOWS										
A	3'-1" x 4'-2"	A	X		X	X		A7/A602	A7/A602	A7/A602
B	6'-0" x 4'-2"	B	X		X	X		A7/A602	A7/A602	A7/A602
C	4'-1" x 1'-11 3/4"	C	X		X	X		A7/A602	A7/A602	A7/A602
D	6'-0" x 7'-0"	D	X		X	X		A7/A602	SEE SHEET A602	SEE SHEET A602

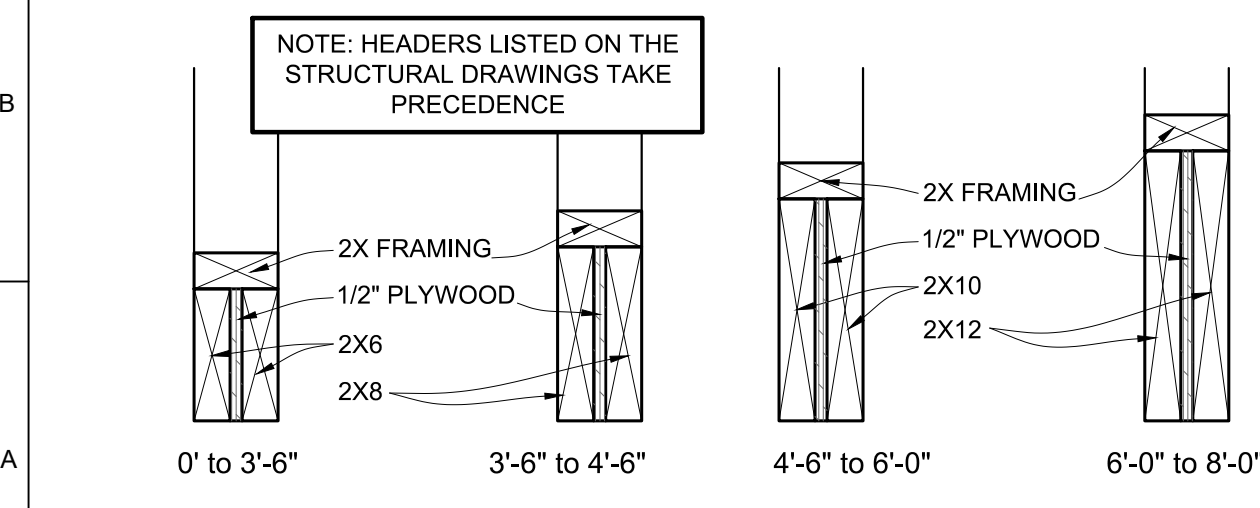


J1 WINDOW ELEVATIONS
SCALE: 1/4" = 1'-0"

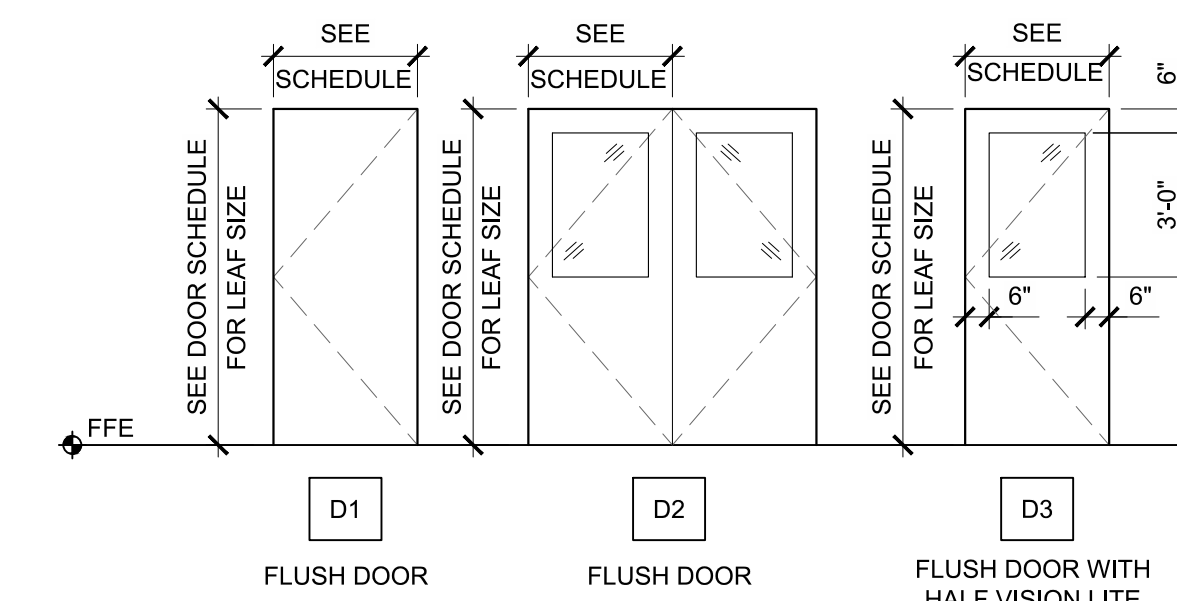


C1 TRANSACTION WINDOW
SCALE: 1 1/2" = 1'-0"

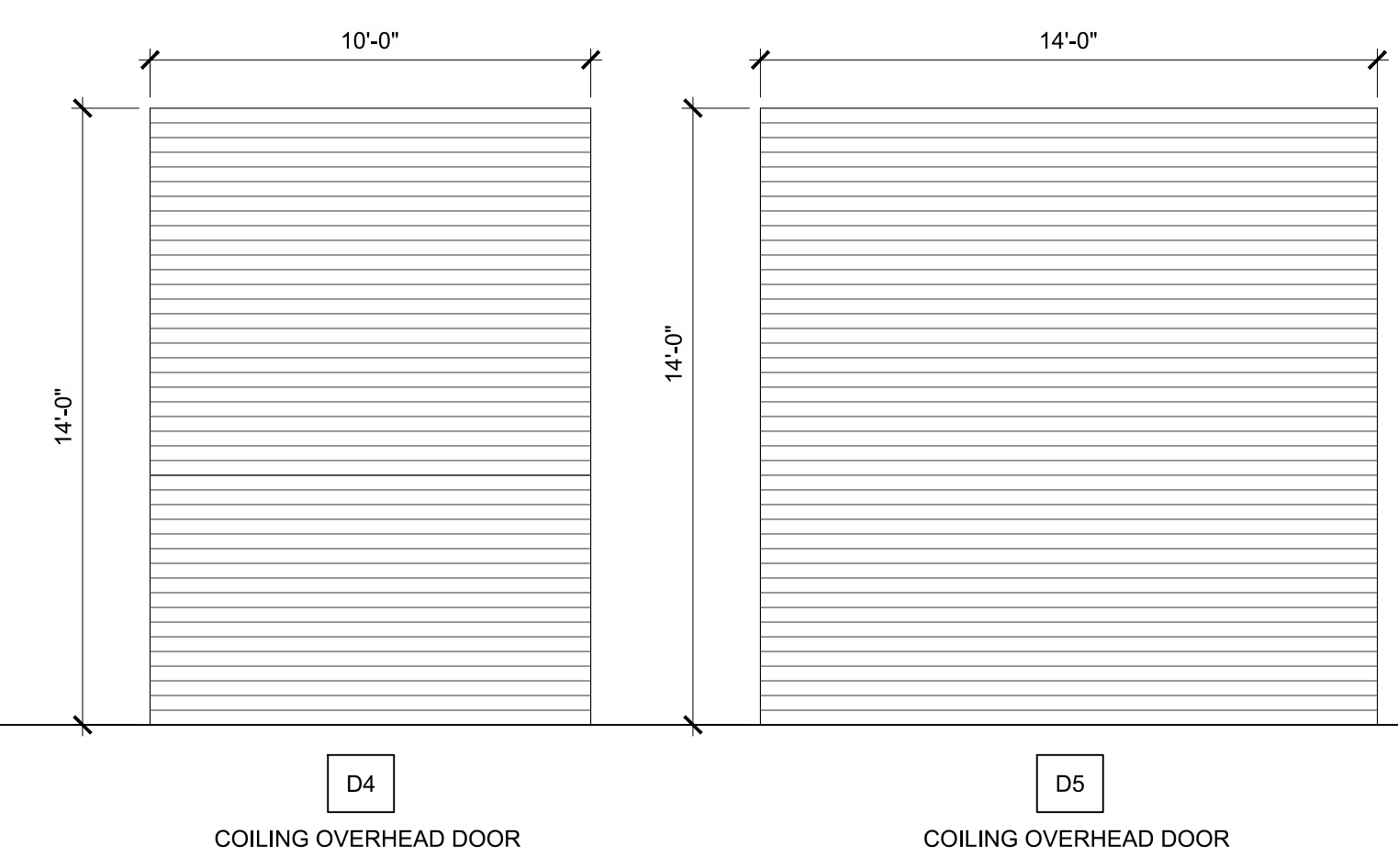
C4 H.M. DOOR W/ TRANSOM WIN.
SCALE: 1 1/2" = 1'-0"



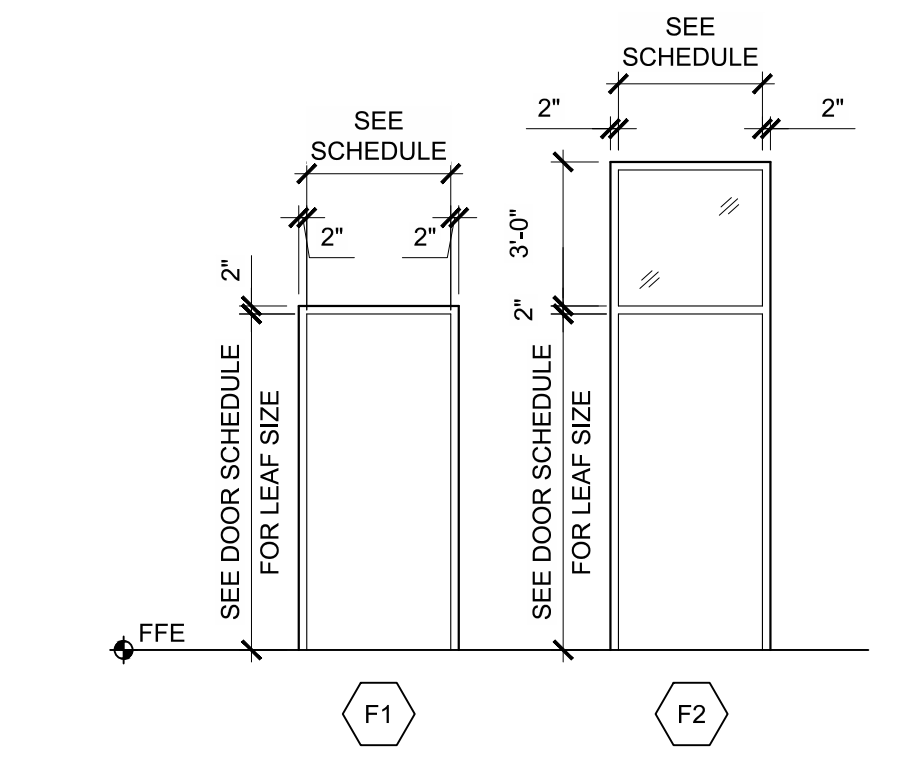
A1 TYP. INTERIOR HEADERS
SCALE: 1-1/2" = 1'-0"



A5 DOOR ELEVATIONS
SCALE: 1/4" = 1'-0"



A5 DOOR ELEVATIONS
SCALE: 1/4" = 1'-0"



A13 DOOR FRAME ELEVATIONS
SCALE: 1/4" = 1'-0"

DOOR SCHEDULE				FRAME SCHEDULE							RATING	REMARKS		
DOOR NO.	DOOR LEAF SIZE (W x H)	MATERIAL		FRAME SIZE (W x H)			MATERIAL			DETAILS				
		DOOR ELEVATION					FRAME ELEVATION							
		WOOD	HOLLOW METAL	LITE (TEMPERED GLS)			WOOD	HOLLOW METAL	ALUMINUM	CLAD WOOD	LITE (TEMPERED GLS)	HEAD	JAMB	SILL
FIRST FLOOR														
100A	3'-0" X 7'-0"	D3	X	X			F2	X				A10/A602	A10/A602	A10/A602
100B	14'-0" X 14'-0"	D5					PER MFR.							
100C	10'-0" X 14'-0"	D4					PER MFR.							
100D	10'-0" X 14'-0"	D4					PER MFR.							
100E	3'-0" X 7'-0"	D3	X	X			F2	X				A10/A602	A10/A602	A10/A602
100F	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
101A	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
101B	3'-0" X 7'-0"	D3	X	X			F1	X				D1/A602	D1/A602	D1/A602
102A	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
102B	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
102C	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
102D	3'-0" X 7'-0"	D3	X	X			F2	X				A4/A602	A4/A602	A4/A602
103	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
104	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
105	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
106	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
107	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
108	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
109A	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
109B	3'-0" X 7'-0"	D3	X	X			F1	X				A4/A602	A4/A602	A4/A602
110A	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
110B	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
110C & D	5'-0" X 7'-0"	D1	X				F1	X						ROLLING GRILL
111	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
112	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
113	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
116	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
117	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
118	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
119	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
120	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
121	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
122	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
123	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
124	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
125	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
126	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
127A	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
127B	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
132A	3'-0" X 7'-0"	D3	X	X			F2	X				A10/A602	A10/A602	A10/A602
132B	3'-0" X 7'-0"	D3	X	X			F2	X				A10/A602	A10/A602	A10/A602
132C	3'-0" X 7'-0"	D1	X				F1	X				A4/A602	A4/A602	A4/A602
133	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
134	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
135	3'-0" X 7'-0"	D1	X				F1	X				D1/A602	D1/A602	D1/A602
136A	3'-0" X 7'-0"	D3	X	X			F1	X				A4/A602	A4/A602	A4/A602
136B	3'-0" X 7'-0"	D3	X				F1	X				D1/A602	D1/A602	D1/A602

STATE OF MISSOURI
MICHAEL KEHOE
GOVERNOR



09/19/2025
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

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

EXPANSION
FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
ASSET # 3511501027
PWA # 202011.13

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: SFFS A600s.dwg
DRAWN BY: WN
CHECKED BY: EM
DESIGNED BY: EM/WN

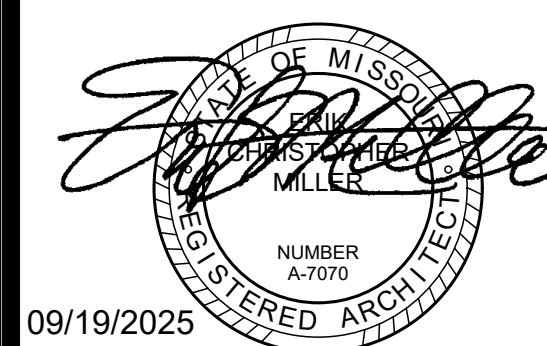
SHEET TITLE:

DOOR SCHEDULE & ELEVATIONS

SHEET NUMBER:

A-601

33 OF 55 SHEETS
September 19, 2025



09/19/2025



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

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

EXPANSION
FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
ASSET # 3511501027
PWA # 202011.13

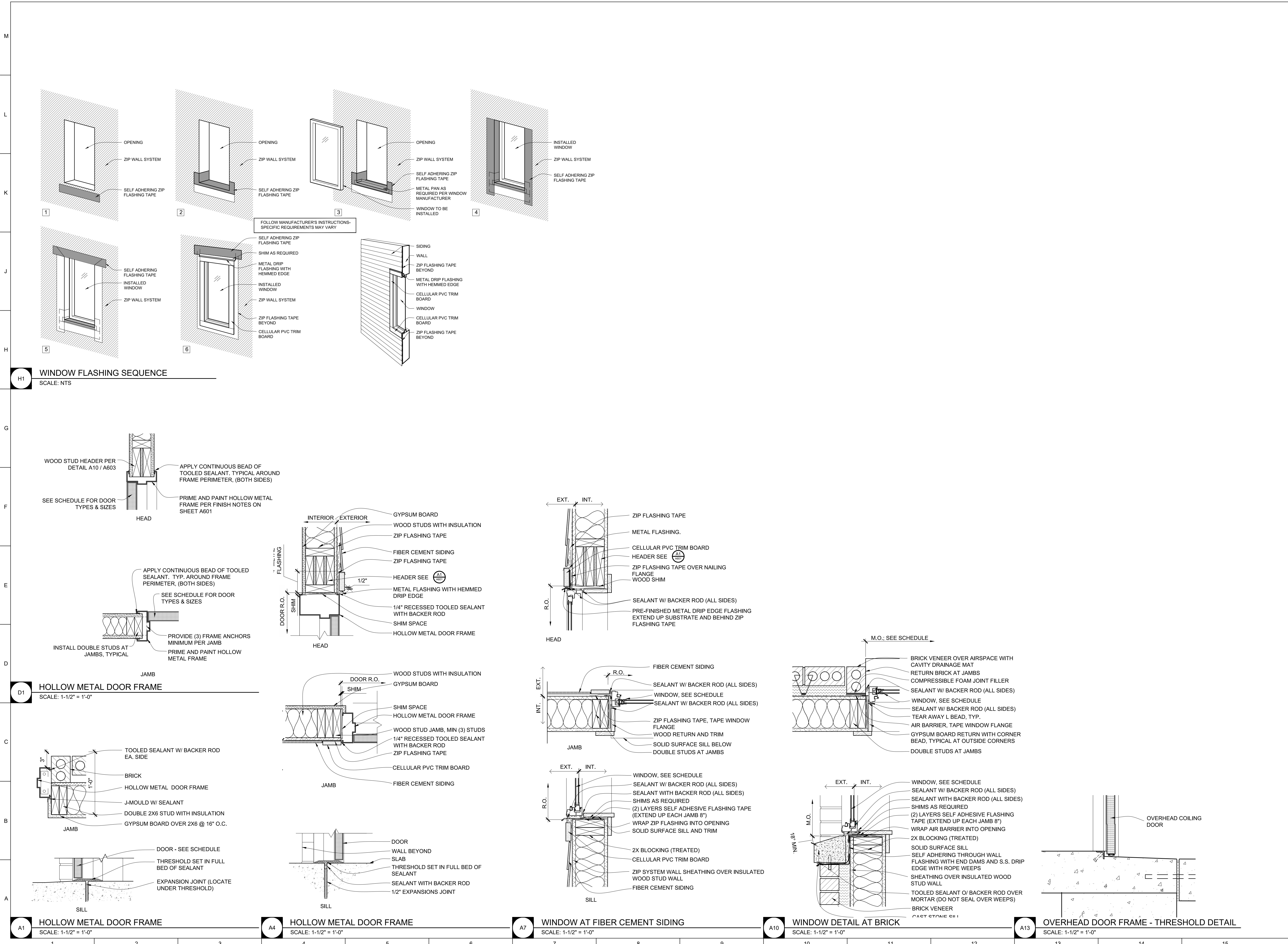
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/19/2025

CAD DWG FILE: SFFS A600s.dwg
DRAWN BY: LC, WN
CHECKED BY: EM
DESIGNED BY: EM, WN

SHEET TITLE:
**WINDOW &
DOOR DETAILS**

SHEET NUMBER:

A-602



H1 WINDOW FLASHING SEQUENCE
SCALE: NTS

D1 HOLLOW METAL DOOR FRAME
SCALE: 1-1/2" = 1'-0"

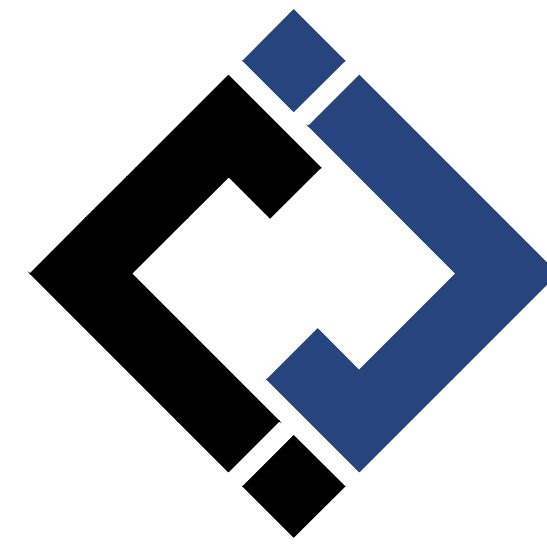
A1 HOLLOW METAL DOOR FRAME
SCALE: 1-1/2" = 1'-0"

A4 HOLLOW METAL DOOR FRAME
SCALE: 1-1/2" = 1'-0"

A7 WINDOW AT FIBER CEMENT SIDING
SCALE: 1-1/2" = 1'-0"

A10 WINDOW DETAIL AT BRICK
SCALE: 1-1/2" = 1'-0"

A13 OVERHEAD DOOR FRAME - THRESHOLD DETAIL
SCALE: 1-1/2" = 1'-0"



J-SQUARED ENGINEERING

MECHANICAL - ELECTRICAL - PLUMBING DESIGN DRAWINGS FOR:

Sedalia Fire Station

MO State Fairgrounds
Sedalia, MO

GENERAL MEP SPECIFICATIONS

- 1. GENERAL**
 - 1.1. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH LOCALLY ADOPTED CODES AND ORDINANCES.
 - 1.2. IT IS THE RESPONSIBILITY OF CONTRACTOR TO REVIEW AND UNDERSTAND ALL DRAWINGS AND SPECIFICATIONS IN CONTRACT DOCUMENTS. EACH CONTRACTOR IS RESPONSIBLE FOR ALL WORK ASSOCIATED WITH THEIR TRADE, REGARDLESS OF WHERE WORK IS DEPICTED IN PROJECT DRAWINGS OR SPECIFICATIONS.
 - 1.3. LAYOUT OF SYSTEMS SHOWN ON PLANS ARE APPROXIMATE AND SCHEMATIC IN NATURE. ALL SYSTEMS WILL NEED TO BE FIELD-COORDINATED. CONTRACTOR SHALL INCLUDE THIS COORDINATION IN THEIR SCOPE AND INCLUDE ALL COSTS OF MODIFYING LAYOUT AS REQUIRED IN THEIR BID. PLANS ARE NOT INTENDED TO BE SHOP DRAWINGS FROM WHICH MATERIALS CAN BE ORDERED, FABRICATED, OR INSTALLED WITHOUT ADDITIONAL FIELD MEASUREMENTS AND COORDINATION.
 - 1.4. NOT ALL SPECIFIC PIECES AND COMPONENTS OF EACH SYSTEM ARE DETAILED OR OUTLINED ON PLANS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY PARTS AND LABOR TO PRODUCE A COMPLETE AND FULLY OPERATIONAL SYSTEM UNLESS STATED OTHERWISE ON PLANS. CONTRACTOR IS TO PROVIDE AND INCLUDE ALL EQUIPMENT AND MATERIAL NEEDED TO COMPLETE WORK ASSOCIATED WITH THEIR BID UNLESS ANY ITEMS ARE SPECIFICALLY NOTED ON PLANS AS PROVIDED BY OTHERS. ALL MATERIALS TO BE NEW, FIRST CLASS, AND INSTALLED PER MANUFACTURER'S PUBLISHED INSTRUCTIONS.
 - 1.5. WHERE CONFLICTS EXIST BETWEEN MEP PLANS AND CIVIL, ARCHITECTURAL, OR STRUCTURAL PLANS, NOTIFY MEP ENGINEER OF DISCREPANCIES FOR CLARIFICATION PRIOR TO PERFORMING ANY WORK THAT MAY CONTRADICT INFORMATION ELSEWHERE IN THE PROJECT PLANS.
 - 1.6. THESE PLANS ARE NOT TO BE SCALED. SEE ARCHITECTURAL PLANS FOR DIMENSIONS. WHERE THERE IS A CONFLICT BETWEEN ARCHITECTURAL DIMENSIONS AND MEP DIMENSIONS, ARCHITECTURAL SHALL GOVERN. CONTRACTOR IS TO INCLUDE IN THEIR SCOPE THE COST OF ALL PERMITS, INSPECTIONS, METERING, TAPS, ETC. ASSOCIATED WITH THEIR WORK.
 - 1.8. CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATION, CUTTING, CORING, PATCHING, AND BACKFILL REQUIRED TO COMPLETE THEIR WORK, UNLESS NOTED OTHERWISE ON PLANS.
 - 1.9. SPECIFIC EQUIPMENT MANUFACTURERS AND/OR MODEL NUMBERS LISTED ON PLANS ARE TO ESTABLISH A BASIS-OF-DESIGN FOR QUALITY AND PERFORMANCE. VERIFY THAT SUBSTITUTIONS WILL BE ACCEPTABLE PRIOR TO PURCHASE & INSTALLATION.
 - 1.10. NOTIFY ENGINEER OF ANY MAJOR PLAN DISCREPANCIES OR CONFLICTS PRIOR TO PROVIDING BIDS OR COMPLETING ANY WORK.
 - 1.11. SEE DISCIPLINE SHEETS FOR ADDITIONAL TRADE SPECIFIC SPECIFICATIONS.
 - 1.12. WHERE SHUTDOWN OF ANY EXISTING UTILITY OR SERVICE TO BUILDING IS REQUIRED FOR COMPLETION OF WORK, COORDINATE OUTAGE WITH OWNER AS TO NOT DISRUPT TYPICAL OPERATIONS.
- 2. WORKMANSHIP**
 - 2.1. SYSTEMS SHALL BE INSTALLED IN A FIRST-CLASS MANNER USING BEST ACCEPTABLE METHODS AND PRACTICES.
 - 2.2. ALL SYSTEMS SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BUILDING ORIENTATION. COMPONENTS SHALL BE INSTALLED LEVEL AND PLUMB WITH ATTENTION GIVEN TO OVERALL AESTHETICS.
 - 2.3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING EQUIPMENT LOCATIONS AND SYSTEM ROUTING WITH OTHER TRADES PRIOR TO INSTALLATION.
 - 2.4. CONTRACTOR TO GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE THE COMPLETED PROJECT IS RELEASED TO THE OWNER, UNLESS NOTED OTHERWISE ON PLANS.
 - 2.5. DURING INSTALLATION OF MATERIALS OR ACTIVITIES IN NEW WORK SCOPE, AVOID DAMAGING EXISTING SURFACES AND EQUIPMENT TO REMAIN. ANY DAMAGE TO EXISTING SURFACES OR EQUIPMENT SHALL BE CORRECTED AT NO COST TO OWNER.

DEFERRED SUBMITTAL NOTES

- 1. FIRE ALARM SYSTEM**
 - 1.1. FIRE ALARM SYSTEM COMPONENTS SHOWN (IF APPLICABLE) ARE GENERAL AND SCHEMATIC IN NATURE. SHOWN FOR APPROXIMATE ROUGH-IN LOCATIONS AND QUANTITIES ONLY. CONTRACTOR TO VERIFY EXACT DEVICE LOCATIONS AND REQUIREMENTS WITH FIRE ALARM SYSTEM DESIGNER OF RECORD PRIOR TO ROUGH-IN.
 - 1.2. FIRE ALARM CONTRACTOR SHALL PROVIDE DELEGATED DESIGN & DEFERRED SUBMITTAL PACKAGE FOR FIRE ALARM SYSTEM. SUBMITTAL SHALL INCLUDE BATTERY CALCULATIONS, VOLTAGE DROP CALCULATIONS, EQUIPMENT SPECIFICATIONS FOR DEVICES AND PANELS, ETC. DESIGN SHALL BE SEALED BY A QUALIFIED DESIGN PROFESSIONAL LICENSED BY THE STATE.
- 2. FIRE SPRINKLER SYSTEM**
 - 2.1. WHERE COMBINED FIRE & DOMESTIC WATER SUPPLY LINES ARE SHOWN ON PLANS, INSTALLING CONTRACTOR SHALL VERIFY WITH FIRE SPRINKLER CONTRACTOR THAT INCOMING LINE SIZE IS ADEQUATE FOR FIRE SUPPRESSION SYSTEM.
 - 2.2. FIRE SPRINKLER CONTRACTOR TO PROVIDE DELEGATED DESIGN & DEFERRED SUBMITTAL PACKAGE FOR FIRE SPRINKLER SYSTEM. SUBMITTAL SHALL INCLUDE HYDRAULIC CALCULATIONS AND SPRINKLER SYSTEM DRAWINGS SEALED BY A QUALIFIED DESIGN PROFESSIONAL LICENSED BY THE STATE.
- 3. KITCHEN HOOD SYSTEM**
 - 3.1. INSTALLING KITCHEN HOOD CONTRACTOR SHALL PROVIDE DEFERRED SUBMITTAL PACKAGE FOR COMMERCIAL HOOD FIRE SUPPRESSION SYSTEM. SUBMITTAL SHALL INCLUDE FIRE SUPPRESSION SYSTEM DRAWINGS SEALED BY A DESIGN PROFESSIONAL LICENSED BY THE STATE.

REFERENCED CODES IN EFFECT

PROJECT HAS BEEN DESIGNED IN COMPLIANCE WITH THE FOLLOWING CODES LISTED BELOW, BUT THIS IS NOT AN EXHAUSTIVE LIST. PROJECT SHALL COMPLY WITH ALL APPLICABLE CODES, STANDARDS, AND LOCAL REQUIREMENTS.

- 2018 INTERNATIONAL MECHANICAL CODE
- 2018 INTERNATIONAL PLUMBING CODE
- 2018 INTERNATIONAL FUEL GAS CODE
- 2018 INTERNATIONAL FIRE CODE
- 2017 NATIONAL ELECTRIC CODE

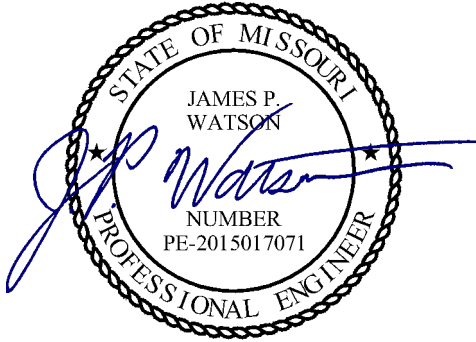
FIRE RATED PENETRATION NOTES

- THIS BUILDING CONTAINS FIRE RATED ASSEMBLIES. SEE ARCHITECTURAL PLANS FOR LOCATIONS AND DETAILS.
- 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 THEIR PENETRATIONS THRU RATED ASSEMBLIES.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING A CATALOG OF ALL UL LISTED FIRESTOP ASSEMBLIES, AND KEEPING A PHYSICAL COPY OF DETAILS FOR EACH USED FIRESTOP ASSEMBLY ON SITE FOR REFERENCE.

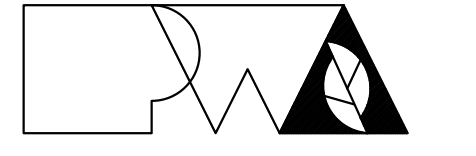
SHEET LIST TABLE

SHEET #	Sheet Title
MEP101	MEP GENERAL DETAILS
MEP102	SITE UTILITIES PLAN
MEP103	TEMPORARY ELECTRIC PLAN
MEP104	ROOF PLAN
M101	HVAC PLAN
M501	HVAC DETAILS
M601	HVAC SCHEDULES
M602	HVAC KITCHEN VENTILATION DETAILS 1
M603	HVAC KITCHEN VENTILATION DETAILS 2
M604	HVAC KITCHEN VENTILATION DETAILS 3
E101	POWER PLAN
E102	LIGHTING PLAN
E501	ELECTRICAL DETAILS & SCHEDULES 1
E502	ELECTRICAL DETAILS & SCHEDULES 2
E503	ELECTRICAL DETAILS & SCHEDULES 3
F101	FIRE ALARM PLAN
F102	FIRE SPRINKLER PLAN
P101	SANITARY SEWER PLAN
P102	WATER & GAS PLAN
P501	PLUMBING DETAILS
P601	PLUMBING SCHEDULES

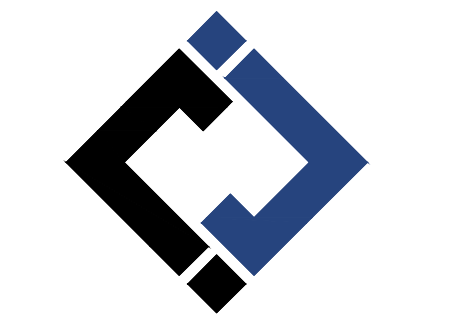
STATE OF MISSOURI
MICHAEL KEHOE,
GOVERNOR



James Watson, P.E. September 19, 2025
PE-2015017071
MO Certificate of Authority # 2018029680



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



**J-SQUARED
ENGINEERING**

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
J-SQUARED # J21328

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

ISSUE DATE: 09/19/2025

CAD DWG FILE: J21328
DRAWN BY: NRP
CHECKED BY: JPW
DESIGNED BY: NRP

SHEET TITLE:

MEP GENERAL
DETAILS

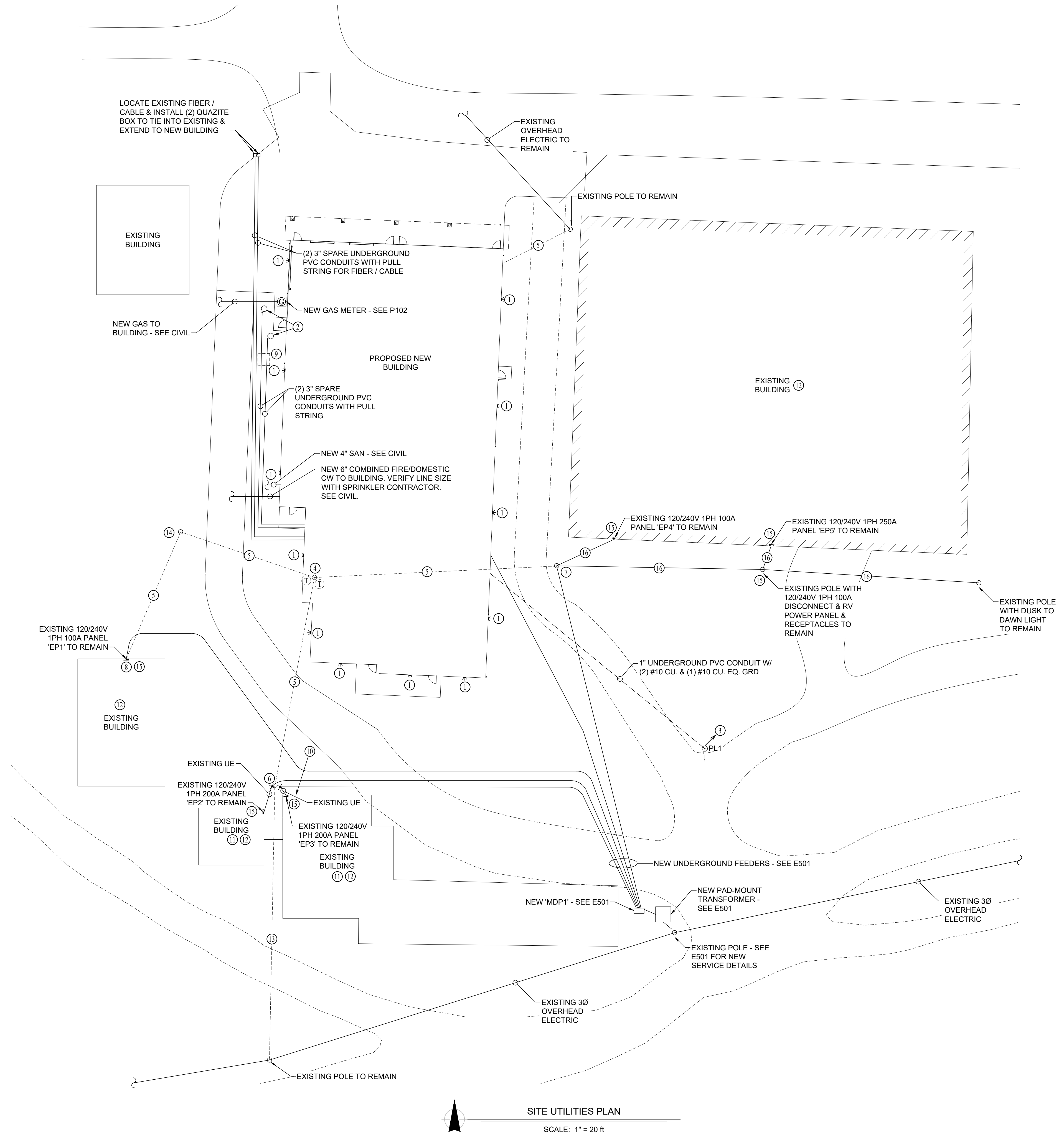
SHEET NUMBER:

MEP101

35 OF 55 SHEETS
September 19, 2025

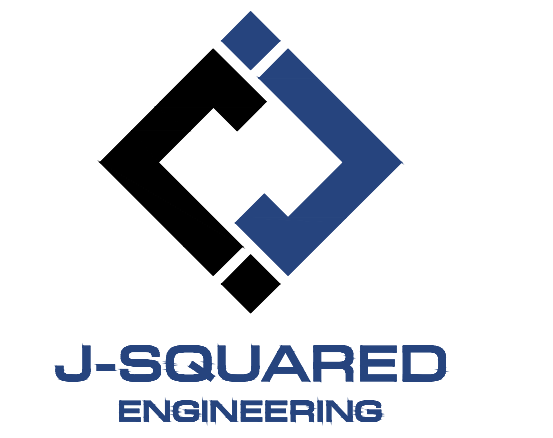
SITE UTILITIES PLAN KEY NOTES:

- ① WALL PACK - SEE E102 FOR CIRCUIT DETAILS.
- ② EXISTING (2) ANTENNAS TO BE TEMPORARILY UNINSTALLED BY OWNER FOR DEMOLITION OF EXISTING BUILDING & CONSTRUCTION OF NEW. ANTENNAS TO BE REINSTALLED AT THIS APPROXIMATE LOCATION. EC TO INSTALL (2) 3" SPARE UNDERGROUND PVC CONDUIT WITH PULL STRING STUBBED UP AT THIS APPROXIMATE LOCATION AND ROUTED BACK TO MECHANICAL / ELECTRICAL ROOM. COORDINATE EXACT LOCATIN WITH OWNER. OWNER IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL CABLING NEEDED FOR SYSTEM AS WELL AS THE START UP AND OPERATION OF THE SYSTEM.
- ③ WIRE THRU LCP1 RELAY 3 & 4, 'P2-52.54'.
- ④ DEMO EXISTING POLE & UNINSTALL / SALVAGE (2) EXISTING POLE-MOUNTED TRANSFORMERS TO REINSTALL FOR TEMPORARY POWER - SEE MEP103 FOR DETAILS.
- ⑤ DEMO EXISTING OVERHEAD ELECTRIC.
- ⑥ EXISTING POLE & CONDUIT / CONDUCTORS RUNNING DOWN POLE BELOW GRADE TO ULTIMATELY BE DEMOLISHED BUT WILL TEMPORARILY REMAIN FOR TEMPORARY POWER - SEE MEP103 FOR DETAILS. FINAL INSTALLATION: INSTALL (2) QUAZITE BOXES AT THIS APPROXIMATE LOCATION & TIE INTO (2) EXISTING FEEDERS BELOW GRADE TO REFEED PANELS 'EP-2' & 'EP-3' FROM NEW MAIN DISTRIBUTION PANEL 'MDP1'. SEE E501 FOR DETAILS.
- ⑦ EXISTING OVERHEAD CONDUCTORS TO BE TEMPORARILY REFEED FROM OVERHEAD - SEE MEP103 FOR DETAILS. FINAL INSTALLATION: ROUTE NEW CONDUCTORS UP EXISTING POLE IN 3" CONDUIT FROM BELOW GRADE & REFEED EXISTING OVERHEAD CONDUCTORS TO ALL PANELS.
- ⑧ EXISTING PANEL TO BE TEMPORARILY REFEED FROM OVERHEAD - SEE MEP103 FOR DETAILS. FINAL INSTALLATION: REFEED EXISTING PANEL 'EP-1' FROM NEW UNDERGROUND FEEDER. ROUTE NEW CONDUCTORS UP EXTERIOR WALL IN 2-1/2" CONDUIT FROM BELOW GRADE.
- ⑨ UNINSTALL EXISTING DIKIN MINI-SPLIT SYSTEMS FROM EXISTING BUILDING THAT IS TO BE DEMOLISHED & RETURN TO OWNER.
- ⑩ EXISTING GAS METER TO REMAIN. REFEED GAS SERVICE. SEE CIVIL.
- ⑪ REFEED EXISTING DOMESTIC WATER TO BUILDING. TIE IN OUTSIDE EXISTING BUILDING FOOTPRINT. CONNECT EXISTING SANITARY SEWER LINE SERVING BUILDING TO NEW SANITARY SEWER MAIN. SEE CIVIL.
- ⑫ SEE MEP103 FOR DETAILS TO TEMPORARILY REFEED POWER TO THIS BUILDING DURING CONSTRUCTION.
- ⑬ EXISTING OVERHEAD ELECTRIC TO ULTIMATELY BE DEMOLISHED BUT WILL TEMPORARILY REMAIN FOR TEMPORARY POWER - SEE MEP103 FOR DETAILS.
- ⑭ EXISTING POLE TO ULTIMATELY BE DEMOLISHED BUT WILL TEMPORARILY REMAIN FOR TEMPORARY POWER - SEE MEP103 FOR DETAILS.
- ⑮ FOR EACH EXISTING PANEL BEING REFEED THRU MDP1 - SEPARATE NEUTRAL / GROUNDS BONDED AT PANEL & RUN NEW EQUIPMENT GROUND BACK TO MDP1.
- ⑯ EXISTING OVERHEAD CONDUCTORS TO TEMPORARILY REMAIN - SEE MEP103 FOR DETAILS. FINAL INSTALLATION: REFEED EXISTING OVERHEAD CONDUCTORS TO EXISTING PANELS. SIZE PER FEEDER CONDUCTOR SCHEDULE ON E501.



James Watson, P.E. September 19, 2025
PE-2015017071
MO Certificate of Authority # 2018029680

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 is an Architectural Corporation
Missouri State Certificate of Authority No. 000244



OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
J-SQUARED # J21328

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

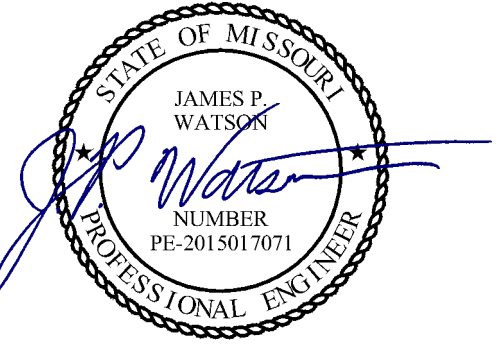
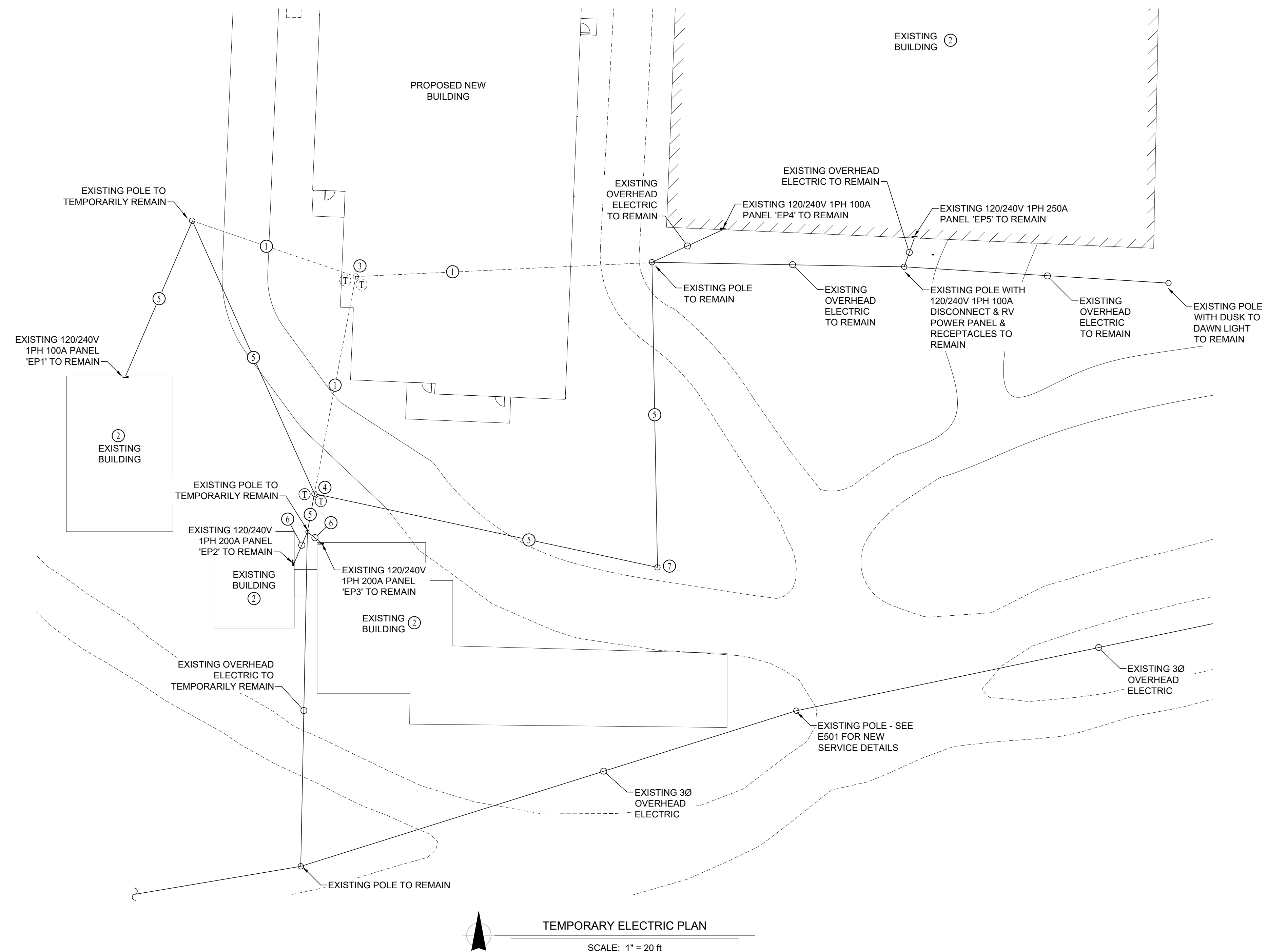
CAD DWG FILE: J21328
DRAWN BY: NRP
CHECKED BY: JPW
DESIGNED BY: NRP

SHEET TITLE:
SITE UTILITIES PLAN

SHEET NUMBER:
MEP102

TEMPORARY ELECTRIC PLAN KEY NOTES:

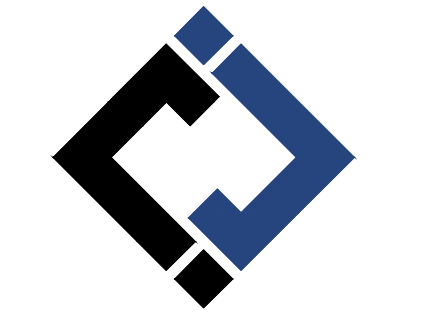
- ① DEMO EXISTING OVERHEAD ELECTRIC.
- ② COORDINATE ALL LOGISTICS / TIMING FOR PHASING OF TEMPORARY POWER FOR EXISTING BUILDING WITH OWNER.
- ③ RELOCATE (2) EXISTING POLE MOUNTED TRANSFORMERS TO TEMPORARILY REFEED POWER.
- ④ INSTALL TEMPORARY POLE & (2) EXISTING POLE MOUNTED TRANSFORMERS AT THIS APPROXIMATE LOCATION IN ORDER TO PROVIDE TEMPORARY POWER TO ALL BUILDINGS. COORDINATE ALL DETAILS WITH OWNER.
- ⑤ TEMPORARY OVERHEAD FEEDER CONDUCTORS TO FEED EXISTING PANEL(S). SIZE PER FEEDER CONDUCTOR SCHEDULE ON E501.
- ⑥ TEMPORARY FEEDER CONDUCTORS DOWN POLE & BELOW GRADE TO FEED EXISTING PANEL. SIZE PER FEEDER CONDUCTOR SCHEDULE ON E501.
- ⑦ INSTALL TEMPORARY POLE IN ORDER TO RUN OVERHEAD ELECTRIC TO PROVIDE TEMPORARY POWER TO EXISTING BUILDING. COORDINATE ALL DETAILS WITH OWNER. SIZE PER FEEDER CONDUCTOR SCHEDULE ON E501.



James Watson, P.E. September 19, 2025
PE-2015017071
MO Certificate of Authority # 2018029680



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



OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
J-SQUARED # J21328

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: J21328
DRAWN BY: NRP
CHECKED BY: JPW
DESIGNED BY: NRP

SHEET TITLE:
**TEMPORARY
ELECTRIC PLAN**

SHEET NUMBER:

MEP103

HVAC PLAN SYMBOL LEGEND

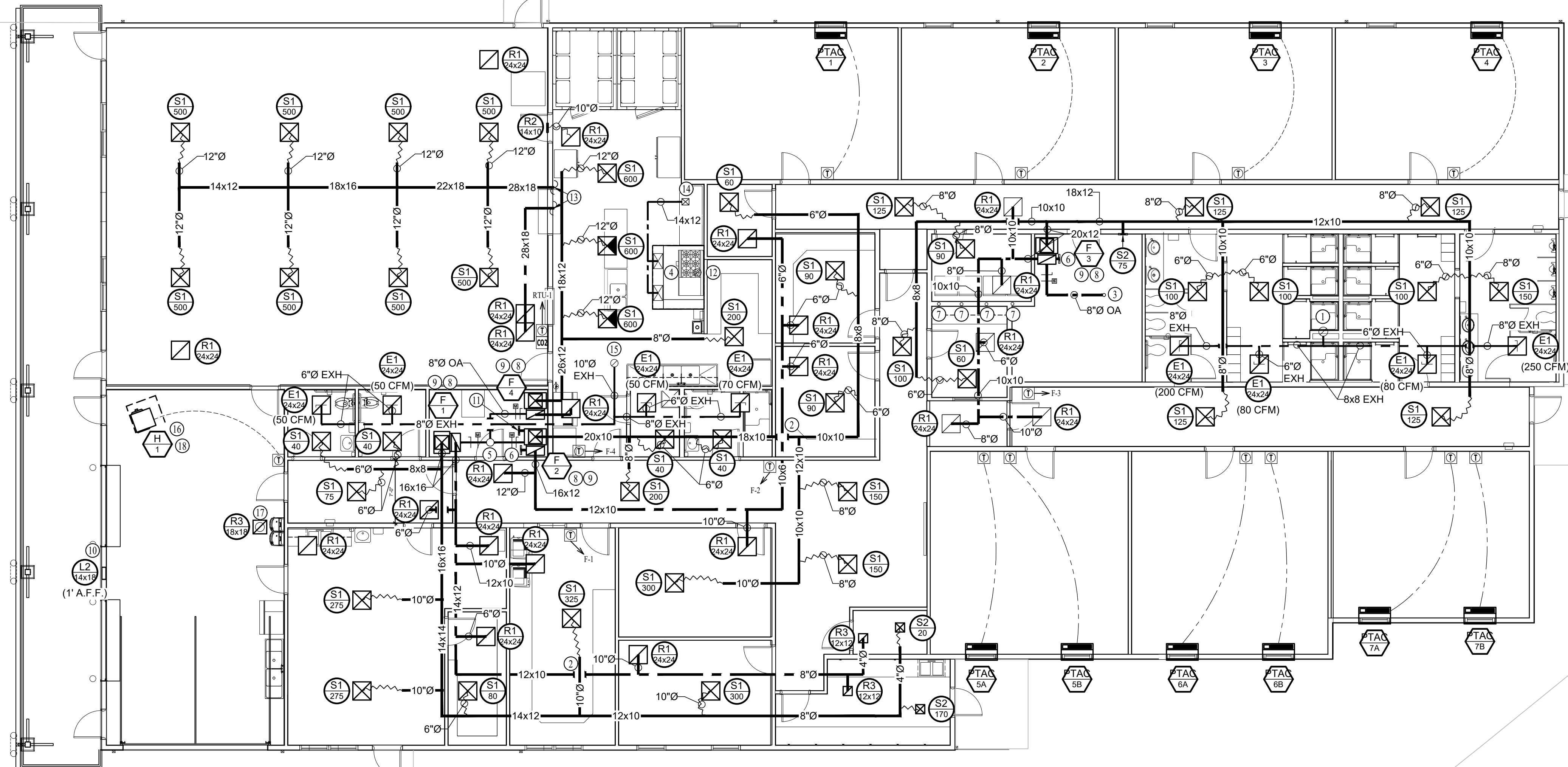
- EQUIPMENT TYPE (REFER TO EQUIPMENT SCHEDULE)
- EQUIPMENT REFERENCE NUMBER
- DIFFUSER/GRILLE TYPE (REFER TO SCHEDULE)
- CUBIC FEET PER MINUTE (CFM) / FACE SIZE
- SUPPLY DUCTWORK
- RETURN DUCTWORK
- EXHAUST DUCTWORK
- OUTSIDE AIR DUCTWORK
- FLEX DUCT
- VENT / COMBUSTION AIR
- SUPPLY DIFFUSER (HATCH INDICATES "NO FLOW ZONE")
- RETURN DIFFUSER
- MOTORIZED DAMPER
- BALANCE DAMPER
- THERMOSTAT

HVAC PLAN GENERAL NOTES:

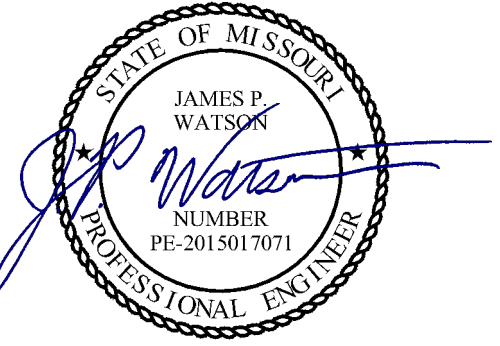
1. REFER TO M500 AND/OR M600 SERIES SHEETS FOR ADDITIONAL HVAC NOTES, DETAILS, REQUIREMENTS, AND SCHEDULES.
2. HVAC CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTS AND COORDINATE LOCATION OF ALL EQUIPMENT, DUCTWORK, REFRIGERANT PIPING, CONDENSATE PIPING, HANGERS / SUPPORTS, ETC. WITH PLUMBING AND ELECTRICAL TRADES BEFORE INSTALLATION OF ANY MATERIAL. ADDITIONAL COSTS ASSOCIATED WITH LACK OF COORDINATION WILL NOT BE REIMBURSED.
3. RUN ALL DUCTWORK BELOW TRUSSES UNLESS OTHERWISE NOTED.

HVAC PLAN KEY NOTES:

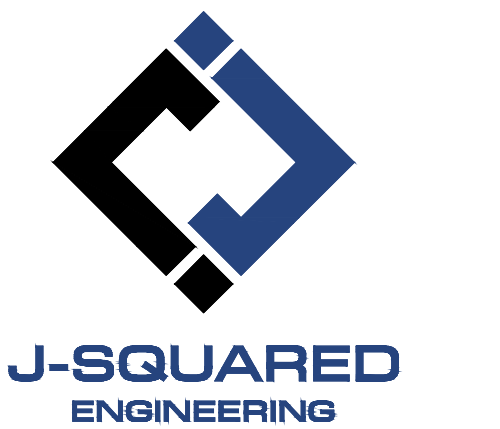
- ① 12"Ø EXHAUST DUCT UP IN TRUSS SPACE TO 'EF-3' ON ROOF ABOVE. SEE ROOF PLAN FOR CONTINUATION. COORDINATE WITH STRUCTURE.
- ② RUN DUCT UP IN TRUSS SPACE AT THIS LOCATION FOR DUCT CROSSING.
- ③ 8"Ø OA DUCT UP THRU ROOF TO GOOSENECK.
- ④ TYPE I HOOD 'HD-1' - DESIGNED FOR 0" CLEARANCE TO COMBUSTIBLE WALL. INSTALL PER 'TYPICAL CLASS I KITCHEN HOOD DETAIL' ON M501.
- ⑤ 10"Ø OA DUCT UP & OVER THRU SIDEWALL LOUVER ABOVE LOW ROOF DECK. SEE ROOF PLAN FOR CONTINUATION.
- ⑥ AIR DEVICE EQUAL TO 'R2' 10x4.
- ⑦ 4"Ø DRYER VENT UP THRU ROOF TO GOOSENECK.
- ⑧ CONCENTRIC VENT/FLUE UP THRU ROOF. INSTALL PER MANUFACTURERS RECOMMENDATION.
- ⑨ DISCHARGE CONDENSATE TO ADJACENT FLOOR DRAIN / FLOOR SINK.
- ⑩ LOUVER WITH ACTUATOR. LOUVER TO OPEN WHEN 'EF-4' IS POWERED. SEE E101.
- ⑪ AIR DEVICE EQUAL TO 'S3' BALANCE TO 80 CFM.
- ⑫ GREASE DUCT UP FROM TYPE I HOOD 'HD-1' TO 'EF-1' ON ROOF ABOVE. INSTALL PER 'TYPICAL CLASS I KITCHEN HOOD DETAIL' ON M501.
- ⑬ SUPPLY / RETURN DUCT THRU EXTERIOR WALL INTO DINING ROOM CEILING SPACE FROM 'RTU-1' ON ROOF. SEE ROOF PLAN FOR CONTINUATION.
- ⑭ 14x12 OUTSIDE AIR DUCT DOWN IN TRUSS SPACE FROM 'MAU-1' ABOVE ON ROOF. SEE ROOF PLAN FOR CONTINUATION. COORDINATE WITH STRUCTURE.
- ⑮ 10"Ø EXHAUST DUCT UP IN TRUSS SPACE TO 'EF-2' ON ROOF ABOVE. SEE ROOF PLAN FOR CONTINUATION. COORDINATE WITH STRUCTURE.
- ⑯ WIRE THRU DOOR POSITION SWITCH ON EACH OF (3) OVERHEAD DOORS IN GARAGE. 'H-1' IS ONLY TO RUN WHEN OVERHEAD DOORS ARE IN THE CLOSED POSITION.
- ⑰ 12"Ø DUCT UP TO 'EF-4' ON ROOF ABOVE. SEE ROOF PLAN FOR CONTINUATION.
- ⑱ COMBUSTION INTAKE & VENT UP THRU ROOF. INSTALL PER MANUFACTURERS RECOMMENDATIONS.



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



James Watson, P.E. September 19, 2025
PE-2015017071
MO Certificate of Authority # 2018029680



OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
J-SQUARED # J21328

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: J21328
DRAWN BY: NRP
CHECKED BY: JPW
DESIGNED BY: NRP

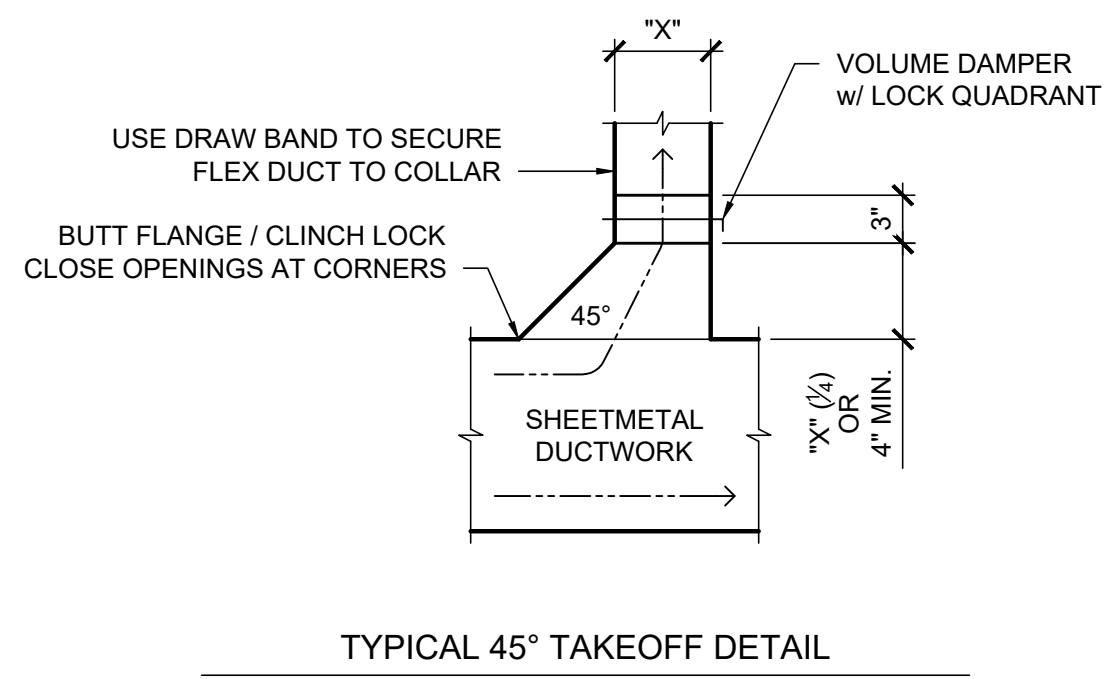
SHEET TITLE:
HVAC PLAN

SHEET NUMBER:

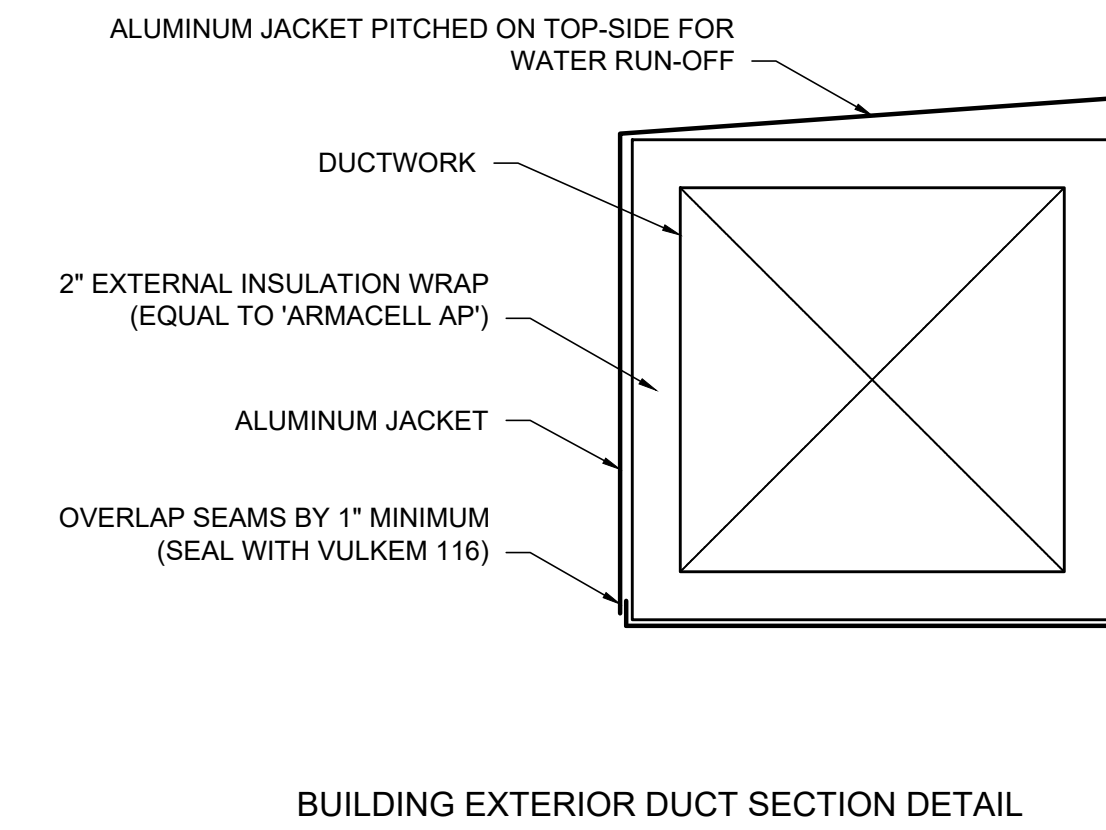
M101

HVAC SPECIFICATIONS

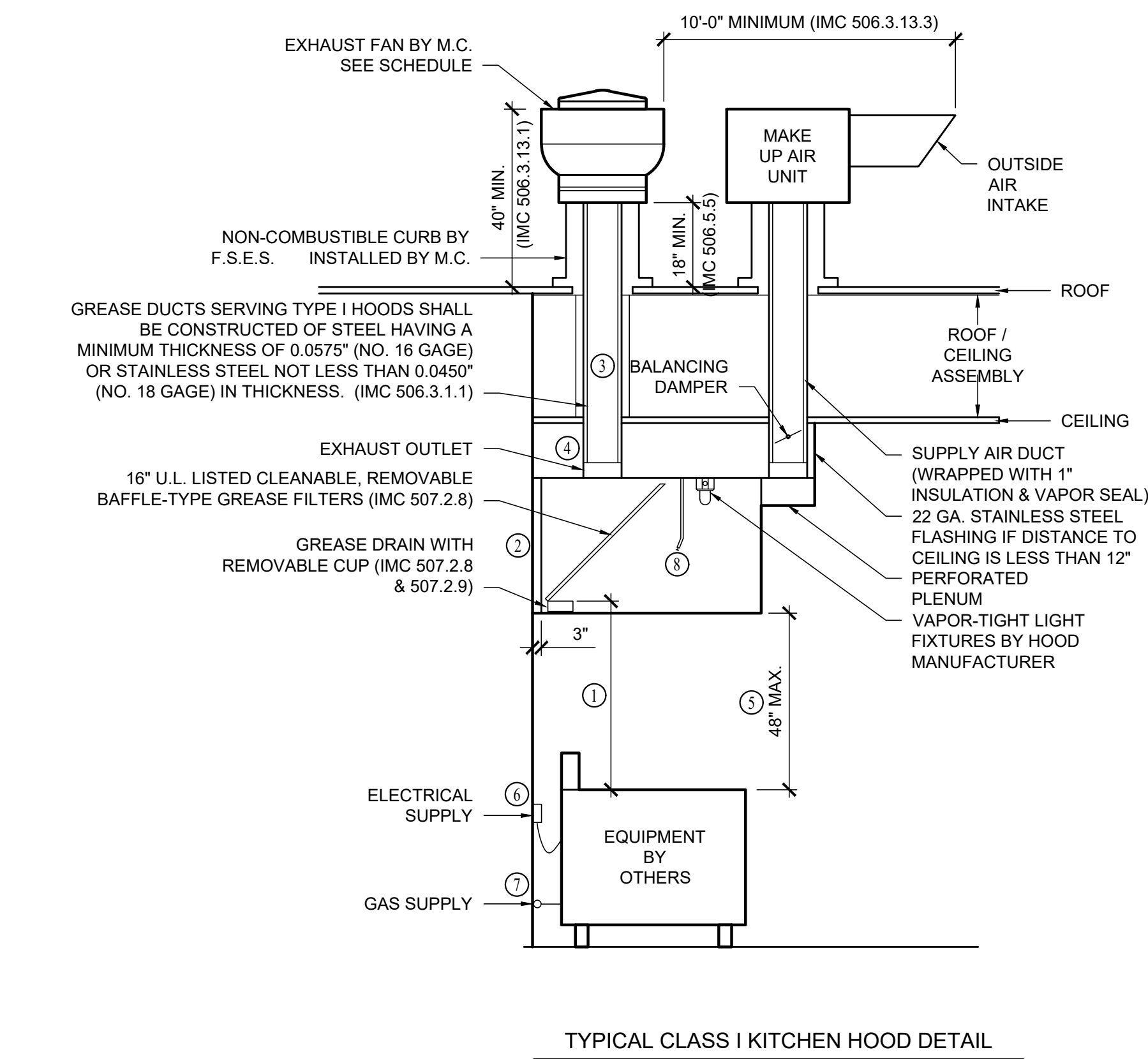
1. GENERAL
 - 1.1. REFER TO GENERAL MEP SPECIFICATIONS SECTION FOR ADDITIONAL REQUIREMENTS.
2. WORKMANSHIP
 - 2.1. COORDINATE WITH ALL OTHER TRADES SO THAT HVAC EQUIPMENT AND DUCT WORK DOES NOT BLOCK REQUIRED ACCESS OR CLEARANCE TO ANY EQUIPMENT, ACCESS PANELS, ELECTRICAL JUNCTION BOXES, ELECTRICAL PANELS, ETC.
 - 2.2. ALL HVAC EQUIPMENT IS TO BE INSTALLED PER MANUFACTURER'S PUBLISHED RECOMMENDATIONS AND/OR INSTALLATION INSTRUCTIONS.
 - 2.3. ALL EQUIPMENT TO BE INSTALLED LEVEL AND PLUMB, PARALLEL OR PERPENDICULAR TO BUILDING ORIENTATION WHERE POSSIBLE.
 - 2.4. ROOFTOP MOUNTED RTU'S & EXHAUST FANS SHALL BE INSTALLED ON CURBS PER MANUFACTURER'S INSTRUCTIONS. CURB HEIGHT SHALL PROVIDE A MINIMUM OF 12" BETWEEN EQUIPMENT AND TOP OF ROOF IN ALL LOCATIONS.
 - 2.5. APPROPRIATE ATTENTION SHALL BE GIVEN TO INDOOR AIR QUALITY THROUGHOUT CONSTRUCTION; PROTECT INSIDE OF NEW DUCTWORK & AIR-HANDLING EQUIPMENT FROM DUST, DIRT, DEBRIS, PAINT, MOISTURE, ETC. INSULATION SHALL BE REPLACED IF EXPOSED TO MOISTURE. AN INDEPENDENT, PROFESSIONAL DUCT CLEANING COMPANY SHALL CLEAN ALL NEW DUCTWORK IF EQUIPMENT WAS USED DURING CONSTRUCTION, AND EQUIPMENT/COILS SHALL ALSO BE THOROUGHLY CLEANED.
 - 2.6. FIELD COORDINATE LOCATIONS OF ALL DIFFUSERS, GRILLES, REGISTERS, ETC. WITH LIGHT FIXTURE LOCATIONS AND ADJUST AS NECESSARY.



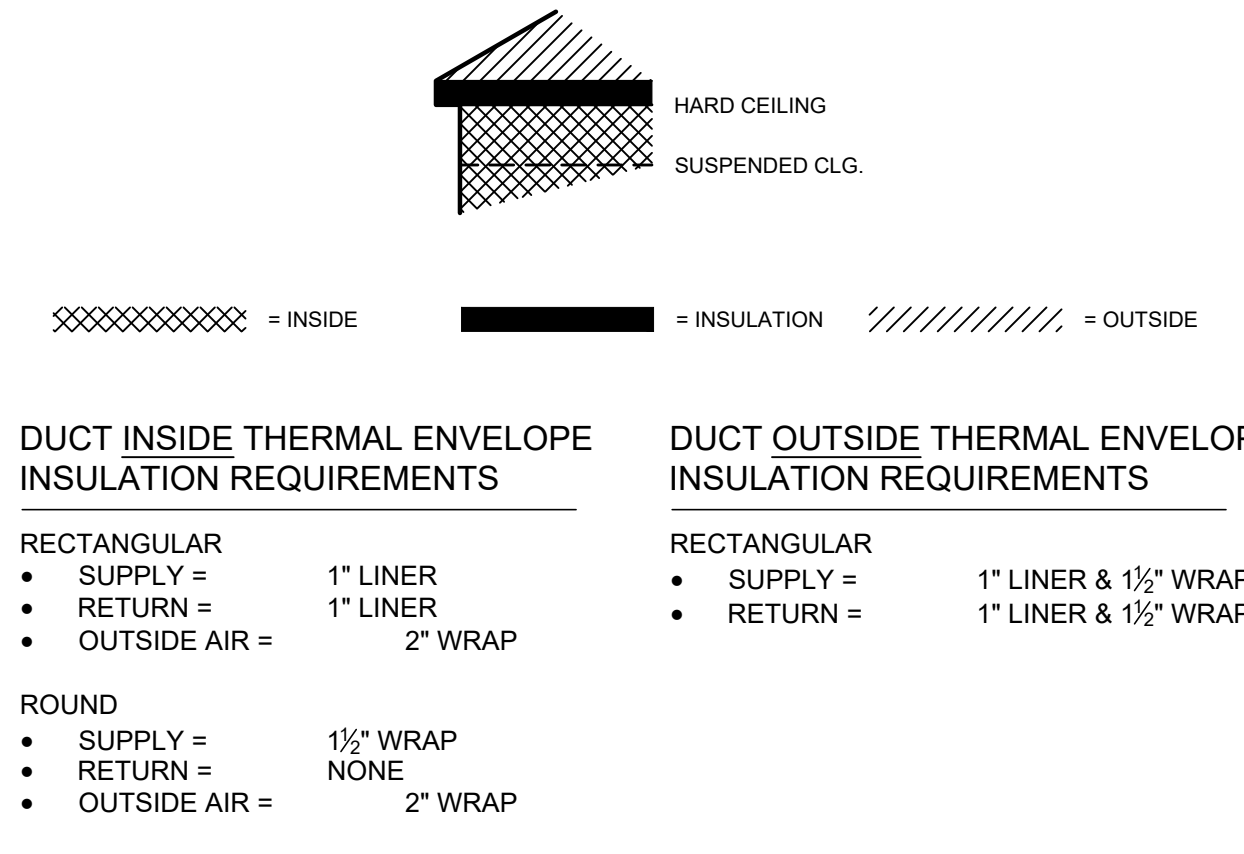
3. EQUIPMENT
 - 3.1. ALL EQUIPMENT SHOWN ON MECHANICAL PLANS SHALL BE PROVIDED & INSTALLED BY MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE.
 - 3.2. ALL EQUIPMENT MUST PROVIDE PERFORMANCE AS SPECIFIED ON PLANS. WHERE SPECIFIC MANUFACTURERS AND/OR MODELS ARE INDICATED ON PLANS, CONTRACTOR TO PROVIDE MODEL INDICATED OR APPROVED EQUAL. VERIFY SUBSTITUTION APPROVAL PRIOR TO PURCHASE OR INSTALLATION OF EQUIPMENT.
 - 3.3. CONTRACTOR TO SUPPLY SUBMITTALS FOR ALL EQUIPMENT FOR REVIEW BY ARCHITECT AND ENGINEER. FORMAL APPROVAL SHALL BE RECEIVED BY CONTRACTOR PRIOR TO EQUIPMENT PURCHASE.
 - 3.4. CONTRACTOR TO SHARE APPROVED EQUIPMENT SUBMITTALS WITH ANY PERTINENT ELECTRICAL OR PLUMBING REQUIREMENTS WITH RESPECTIVE CONTRACTORS WITHIN TWO WEEKS OF RECEIVING APPROVED SUBMITTALS FROM ARCHITECT/ENGINEER.
 - 3.5. ALL EQUIPMENT SHOWN ON PLANS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS WITH ADEQUATE ACCESS AND CLEARANCE FOR SERVICING OR REPLACEMENT.
 - 3.6. ALL EXTERIOR REFRIGERANT COILS TO BE PROTECTED BY FACTORY EQUIPPED HAIL GUARDS.
 - 3.7. REFRIGERANT PIPING TO BE ACR COPPER OR TYPE L COPPER.
 - 3.8. ALL AIR HANDLING EQUIPMENT SHALL BE EQUIPPED WITH MERV-8 FILTRATION AT RETURN OPENING UNLESS OTHERWISE NOTED.
 - 3.9. ALL AIR FILTERS SHALL BE SIZED FOR A MAXIMUM FACE VELOCITY OF 500FPM.
 - 3.10. PROVIDE & INSTALL ALL EQUIPMENT FLUES/VENTS PER MANUFACTURER'S SPECIFICATIONS. TERMINATIONS SHALL BE AT LEAST 10' FROM ANY FRESH AIR INTAKE.
 - 3.11. PROVIDE NEW AIR FILTERS IN ALL EQUIPMENT PRIOR TO TESTING & BALANCING AND BEFORE TURNING OVER SYSTEM(S) TO OWNERSHIP.
 - 3.12. IF ANY EXISTING EQUIPMENT IS TO BE REUSED, CLEAN AND INSPECT EQUIPMENT PRIOR TO BEGINNING WORK. VERIFY THAT EQUIPMENT IS IN GOOD WORKING CONDITION, REPORT ANY DEFICIENCIES TO ENGINEER.



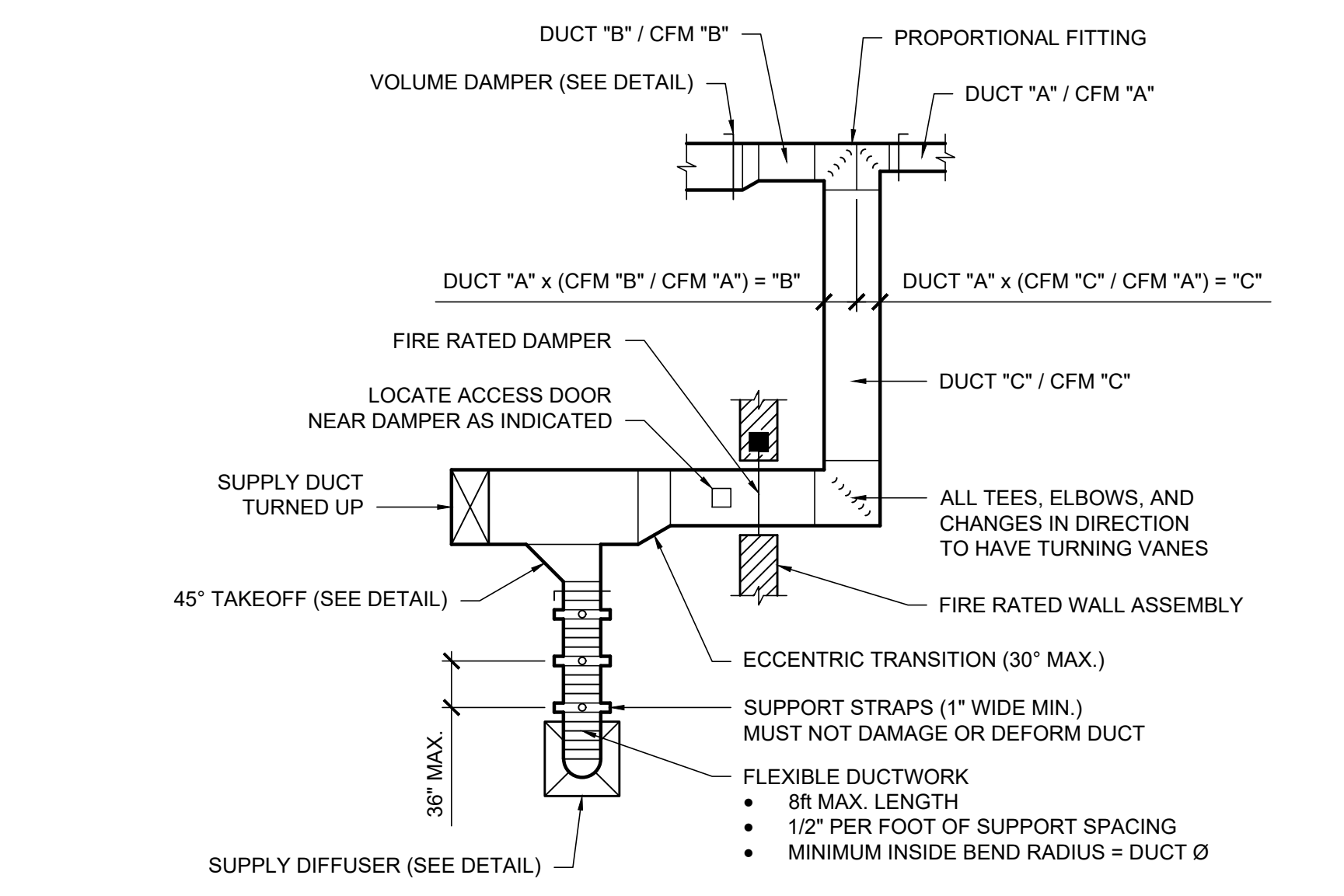
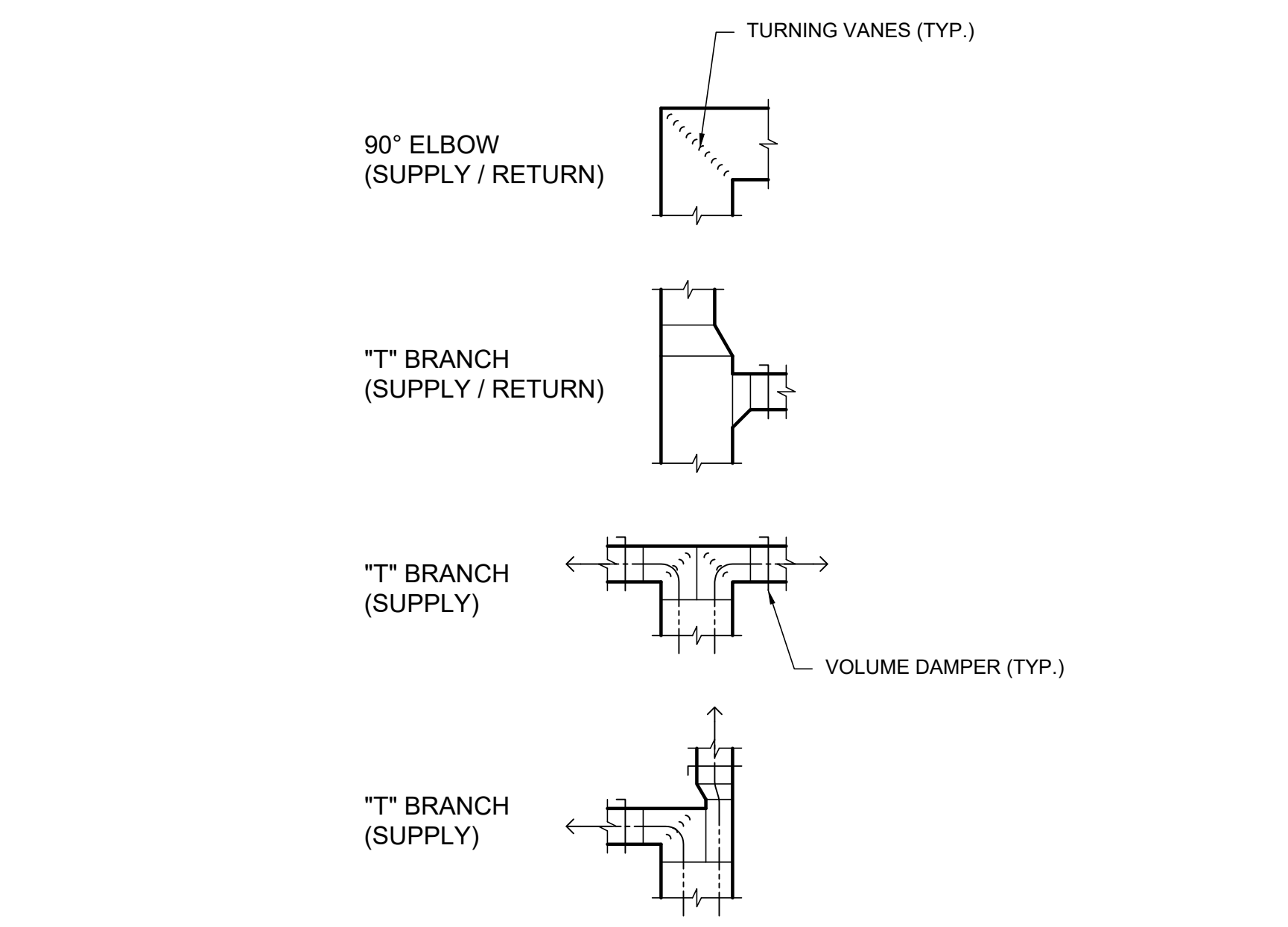
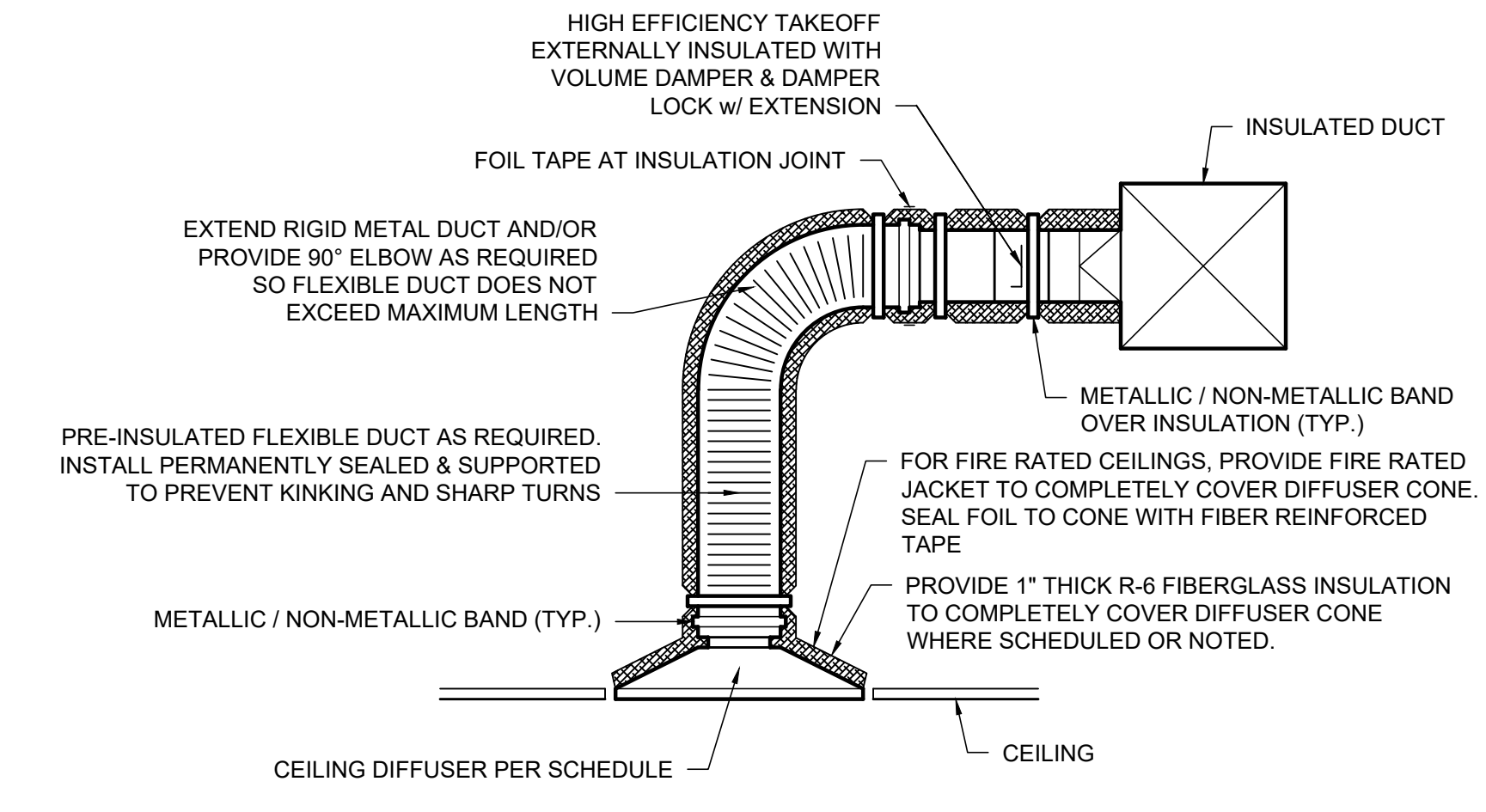
4. DUCTWORK
 - 4.1. DUCTWORK TO BE GALVANIZED STEEL, SEAL CLASS B, CONSTRUCTED PER SMACNA STANDARDS.
 - 4.2. DUCTWORK THICKNESS:
 - 4.2.1. 26 GA. MINIMUM UP TO 16" DUCT
 - 4.2.2. 24 GA. UP TO 20"
 - 4.2.3. 22 GA. UP TO 24"
 - 4.2.4. 20 GA. UP TO 28"
 - 4.2.5. 18 GA. UP TO 36"
 - 4.3. TURNING VANES SHALL BE PROVIDED AND INSTALLED AT ALL 90° BENDS AND TEES.
 - 4.4. ALL DUCT DIMENSIONS LISTED ARE TO INTERIOR OF DUCT LINER UNLESS NOTED OTHERWISE ON PLANS.
 - 4.5. BALANCE DAMPERS MUST BE PROVIDED TO ALLOW ADJUSTMENT AT EACH AIR TERMINAL.
 - 4.5.1. WHERE BRANCH TAKEOFF IS ACCESSIBLE (ABOVE LAY-IN CEILING OR EXPOSED DUCT), BALANCE DAMPER IS TO BE INSTALLED AT TAKEOFF.
 - 4.5.2. WHERE TAKEOFF IS INACCESSIBLE (IN ATTIC OR SOFFIT), BALANCE DAMPER IS TO BE LOCATED SUCH THAT IT IS ACCESSIBLE FROM FACE OF AIR DEVICE.
 - 4.6. HVAC CONTRACTOR RESPONSIBLE FOR ALL DUCTWORK TRANSITIONS AND FITTINGS AS REQUIRED FOR FINAL CONNECTIONS TO HVAC EQUIPMENT. UNLESS NOTED OTHERWISE ON PLANS, FLEXIBLE DUCT CONNECTIONS MAY USED FROM BRANCH DUCTS TO FINAL AIR DEVICES, BUT SHALL NOT EXCEED 8'-0" IN LENGTH. FLEXIBLE DUCT CONNECTORS MUST BE SUPPORTED PER PLAN DETAILS.



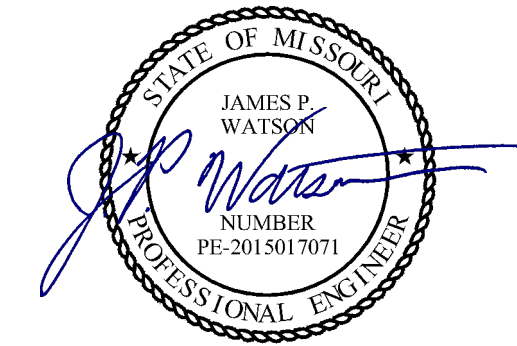
5. TESTING AND BALANCING
 - 5.1. ALL SYSTEMS MUST BE BALANCED TO WITHIN 10% OF VALUES INDICATED ON PLAN.
 - 5.2. ALL SYSTEMS SHALL BE BALANCED BY A CERTIFIED 3RD PARTY INDEPENDENT BALANCING FIRM NOT AFFILIATED WITH THE CONSTRUCTION CONTRACTOR.



TYPICAL BUILDING INTERIOR DUCT INSULATION DIAGRAM

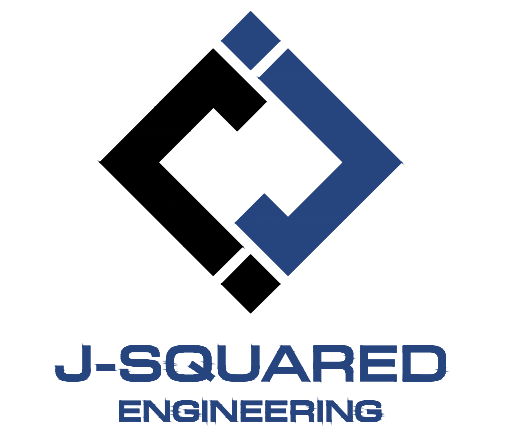


- GENERAL NOTE**
1. ALL CODE REFERENCE ARE TO THE 2018 IMC.
 2. THIS DETAIL SHOWS GENERAL DESIGN REQUIREMENTS ONLY.
- LEGEND**
- ① HEIGHT BETWEEN LOWEST EDGE OF GREASE FILTER & COOKING SURFACE: 6" MINIMUM IF NON-EXPOSED FLAME. 24" MINIMUM IF EXPOSED FLAME BURNERS. 42" MINIMUM IF CHARCOAL OR CHAR-BROIL TYPE FLAME. (IMC 507.2.8)
 - ② HOOD IS TO BE UL LISTED FOR 0" CLEARANCE TO COMBUSTIBLES AND CAN BE MOUNTED DIRECTLY TO COMBUSTIBLE ASSEMBLY
 - ③ EXHAUST DUCT SHALL HAVE A MINIMUM AIR VELOCITY OF 500 FPM (IMC 506.3.4) HORIZONTAL PORTIONS OF GREASE DUCT SHALL SLOPE 2% (IMC 506.3.7) & BE PROVIDED WITH ONE CLEAN OUT SPACE (12x12 MINIMUM SIZE) NO MORE THAN 20' APART (IMC 506.3.8 & 9) 18" MINIMUM CLEARANCE TO COMBUSTIBLES (IMC 506.3.6) OR 6" CLEARANCE IF COMBUSTIBLES PROTECTED WITH 1-HOUR RATED MATERIAL & 3" CLEARANCE TO NON-COMBUSTIBLES (IMC 506.3.11) ALTERNATE OPTION TO WRAP WITH UL LISTED FIREPROOF GREASE DUCT WRAP ABOVE CEILING FOR ZERO CLEARANCE TO COMBUSTIBLES PER MANUFACTURERS SPECIFICATIONS
 - ④ ONE EXHAUST OUTLET PER 12' SECTION OF HOOD (IMC 507.1.5)
 - ⑤ CANOPY HOOD TO EXTEND 6" MINIMUM PAST COOKING SURFACE ON ALL SIDES WITH MAXIMUM VERTICAL DISTANCE OF 48" (IMC 507.4.1)
 - ⑥ ALL ELECTRICAL EQUIPMENT UNDER HOOD SHALL BE FED FROM SHUNT-TRIP CIRCUIT BREAKERS WHICH SHALL BE CONNECTED TO THE HOOD FIRE SUPPRESSION SYSTEM TO SHUT DOWN CIRCUITS ON INDICATION OF FIRE.
 - ⑦ ALL GAS-FIRED EQUIPMENT UNDER HOOD SHALL BE FED FROM A GAS BRANCH LINE THAT IS CONTROLLED BY A MASTER GAS SOLENOID VALVE, WHICH IS CONTROLLED BY THE HOOD FIRE SUPPRESSION SYSTEM TO SHUT DOWN THE GAS LINE ON INDICATION OF FIRE.
 - ⑧ FIRE SUPPRESSION SYSTEM WITH CONTROLS TO SHUT DOWN GAS & ELECTRICAL TO EQUIPMENT LOCATED UNDER HOOD. FIRE SUPPRESSION DRAWINGS MUST BE SUBMITTED BY THE FIRE SUPPRESSION CONTRACTOR & APPROVED BY LOCAL CODE ENFORCEMENT PRIOR TO HOOD INSTALLATION.



James Watson, P.E. September 19, 2025
PE-2015017071
MO Certificate of Authority # 2018029680

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



OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
J-SQUARED # J21328

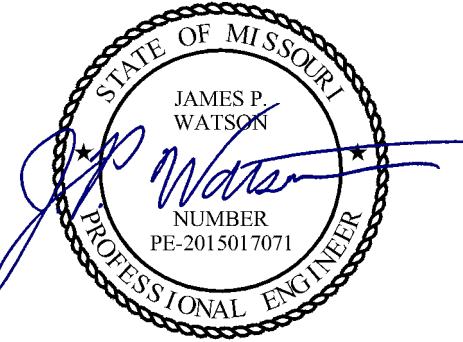
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: J21328
DRAWN BY: NRP
CHECKED BY: JPW
DESIGNED BY: NRP

SHEET TITLE:
HVAC DETAILS

SHEET NUMBER:

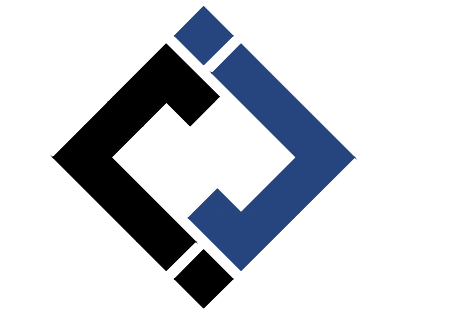
M501



James Watson, P.E. September 19, 2025
PE-2015017071
MO Certificate of Authority # 2018029680



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 is an Architectural Corporation
Missouri State Certificate of Authority No. 000244



J-SQUARED
ENGINEERING

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
J-SQUARED # J21328

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: J21328
DRAWN BY: NRP
CHECKED BY: JPW
DESIGNED BY: NRP

SHEET TITLE:

HVAC SCHEDULES

SHEET NUMBER:

M601

41 OF 55 SHEETS
September 19, 2025

BUILDING AIR BALANCE SUMMARY			
EQUIPMENT	OA (CFM)	EXHAUST (CFM)	NET (CFM)
RTU-1	300	0	300
MUA-1	980	0	980
F-1	150	0	150
F-2	150	0	150
F-3	150	0	150
F-4	75	0	150
PTAC 1	75	0	75
PTAC 2	75	0	75
PTAC 3	75	0	75
PTAC 4	75	0	75
PTAC 5A	52	0	52
PTAC 5B	52	0	52
PTAC 6A	52	0	52
PTAC 6B	52	0	52
PTAC 7A	52	0	52
PTAC 7B	52	0	52
EF-1 / HOOD	0	1200	-1200
EF-2	0	220	-220
EF-3	0	610	-610
TOTAL	2417	2030	387

RTU SCHEDULE															
TAG	EQUIPMENT DESCRIPTION	SIZE (TONS)	ORIENTATION	TOTAL AIRFLOW (CFM)	E.S.P. (in. H2O)	OA AIRFLOW MAX/MIN (CFM)	GAS HEATING		COOLING (IA: 80 DB/67 WB, OA: 95 DB)			ELECTRICAL			NOTES
							INPUT (KBTU)	OUTPUT (KBTU)	SENSIBLE (KBTU)	TOTAL (KBTU)	MIN EFFICIENCY	VOLTS / PHASE	MCA	OCP	
RTU-1	ROOF-TOP UNIT	10	HORIZONTAL	4000	1	600/300	200	162	97.8	126.4	14.6 IEER	208/3	57	80	1,2,3,4,5,6,7,8

NOTES:
1. PROVIDE AND INSTALL 7 DAY PROGRAMABLE HONEYWELL THERMOSTAT. COORDINATE EXACT MOUNTING LOCATION WITH OWNER.
2. WITH FACTORY HAIL GUARD.
3. WITH FACTORY INSTALLED DISCONNECT.
4. ECONOMIZER (WITH EITHER BAROMETRIC RELIEF SIZED AT 100% OF FLOW AT 1/10" RETURN DUCT STATIC PRESSURE, OR POWERED EXHAUST); CONTROL TO BE ADJUSTABLE FIXED POINT SET AT 65°F. ECONOMIZER WITH FAULT DETECTION AND NOTIFICATION.
5. WITH HOT GAS REHEAT/DEHUMIDIFICATION OPTION.
6. WITH SMOKE DETECTOR IN RETURN AIR DUCT TO SHUT DOWN UNIT AND SEND SIGNAL TO BUILDING FIRE ALARM SYSTEM UPON DETECTION OF SMOKE.
7. PROVIDE CO2 SENSOR MODULATE BETWEEN MAX AND MIN OA AMOUNTS INDICATED.
8. WITH 14" CURB.

FURNACE & AC SCHEDULE															
TAG	EQUIPMENT DESCRIPTION	SIZE (TONS)	ORIENTATION	TOTAL AIRFLOW (CFM)	E.S.P. (in. H2O)	OA AIRFLOW MAX/MIN (CFM)	HEATING		COOLING (IA: 80 DB/67 WB, OA: 95 DB)			ELECTRICAL			NOTES
							GAS INPUT (KBTU)	MIN. A.FUE EFF. (%)	SENSIBLE (KBTU)	TOTAL (KBTU)	MIN EFF. (SEER2)	VOLTS/PH	MCA	OCP	
F-1	FURNACE	4.0	UP FLOW	1600	0.5	150/0	100	90	-	-	-	120	12	20	1,2,3
CU-1	CONDENSING UNIT	4.0	-	-	-	-	-	-	35.1	46.9	13.4	208/1	24	40	4,5
F-2	FURNACE	3.0	UP FLOW	1200	0.5	150/0	60	90	-	-	-	120	10	20	1,2,3
CU-2	CONDENSING UNIT	3.0	-	-	-	-	-	-	25	33.7	13.4	208/1	18	30	4,5
F-3	FURNACE	3.5	UP FLOW	1400	0.5	150/0	80	90	-	-	-	120	10	20	1,2,3
CU-	CONDENSING UNIT	3.5	-	-	-	-	-	-	31.2	41.5	13.4	208/1	20	35	4,5
F-4	FURNACE	5.0	UP FLOW	2000	0.5	75/0	100	90	-	-	-	120	14	20	1,2,3
CU-4	CONDENSING UNIT	5.0	-	-	-	-	-	-	44.1	56.4	13.4	208/1	34	60	4,5

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. WITH LOW LEAKAGE MOTORIZED OUTSIDE AIR DAMPER, DAMPER TO OPEN DURING OCCUPIED HOURS AND CLOSE DURING UNOCCUPIED HOURS THRU THERMOSTAT SCHEDULE.
4. WITH FACTORY HAIL GUARD.
5. LOW AMBIENT PACKAGE FOR OPERATION TO 0° F.

MAKE-UP AIR UNIT SCHEDULE									
TAG	EQUIPMENT TYPE	MANUFACTURER (OR EQUAL)	MODEL (OR EQUAL)	FLOW		ELECTRICAL			NOTES
				CFM	S.P.	VOLT/PH	MCA	OCP	
MUA-1	MAKE-UP AIR UNIT	CAPTIVEAIRE	D76	980	0.5	120/1	16.6	20	1

NOTES:
1. SEE M600 SHEETS FOR DETAILS.

AIR DEVICE SCHEDULE						
TAG	SERVICE	MANUFACTURER (OR EQUAL)	MODEL (OR EQUAL)	SIZE	COLOR / FINISH	NOTES
E1	EXHAUST	PRICE	80	AS INDICATED	WHITE	
L1	LOUVER	POTTORFF	EFD-445	AS INDICATED	PRIMED	PAINT TO MATCH BUILDING EXTERIOR
L2	LOUVER	POTTORFF	EXD-645	AS INDICATED	PRIMED	PAINT TO MATCH BUILDING EXTERIOR; WITH 120V ACTUATOR WITH END SWITCH
R1	RETURN	PRICE	80	AS INDICATED	WHITE	
R2	RETURN	PRICE	530	AS INDICATED	WHITE	
R3	RETURN	PRICE	80	AS INDICATED	WHITE	WITH TRIM KIT
S1	SUPPLY	PRICE	SPD	24x24	WHITE	SEE PLANS FOR AIRFLOW
S2	SUPPLY	PRICE	SPD	12x12	WHITE	SEE PLANS FOR AIRFLOW WITH TRIM KIT
S3	SUPPLY	PRICE	520	12x4	WHITE	SEE PLANS FOR AIRFLOW

NOTES:
1. VERIFY AIR DEVICE FINISHES WITH OWNER/ARCHITECT PRIOR TO INSTALLATION

TYPE I HOOD SCHEDULE				
TAG	EQUIPMENT TYPE	MANUFACTURER (OR EQUAL)	MODEL (OR EQUAL)	NOTES
HD-1	TYPE I HOOD	CAPTIVEAIRE	5424 ND-2-PSP-F	1,2

NOTES:
1. SEE M600 SHEETS FOR DETAILS.
2. UL LISTED FOR 0" CLEARANCE TO COMBUSTIBLES.

HEATER SCHEDULE													
TAG	EQUIPMENT STYLE		MANUFACTURER (OR EQUAL)	MODEL (OR EQUAL)	FLOW (CFM)	HEATING		ELECTRICAL			PHYSICAL		NOTES
	TYPE	SOURCE				GAS INPUT (KBTU)	MIN. A.FUE EFF. (%)	VOLT/PH	MCA	OCP	DIM.	WEIGHT	
H-1	UNIT HEATER	NATURAL GAS	REZTOR	UDZ-075	961	75	83	120/1	1	20	27x32x17	77 lbs	1

NOTES:
1. WITH WIRED THERMOSTAT & COMBUSTION AIR INLET KIT

EXHAUST FAN SCHEDULE										
TAG	EQUIPMENT TYPE	MANUFACTURER (OR EQUAL)	MODEL (OR EQUAL)	FLOW		ELECTRICAL			NOTES	
				CFM	S.P.	VOLT/PH	MCA	OCP		
EF-1	TYPE I HOOD EXHAUST	CAPTIVEAIRE	DUB5HFA	1200	1.25	120/1	8.9	20	1	
EF-2	ROOF EXHAUSTER	JENCO FAN	LPD06A60	220	0.25	120/1	1	20	2	
EF-3	ROOF EXHAUSTER	S&P	SDBD1033SC	610	0.25	120/1	7	20	2	
EF-4	ROOF EXHAUSTER	S&P	SDBD1033SC	600	0.25	120/1	7	20	2	

NOTES:
1. SEE M600 SHEETS FOR DETAILS.
2. WITH SPEED CONTROLLER, BACKDRAFT DAMPER & ROOF CURB.

EXHAUST FAN INFORMATION - JOB#7618283

FAN UNIT NO.	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL.	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SDNES
1	EF-1	1	DURSHFA	CAPTIVEAIRE	1200	1.250	1300	TEAD-ECM	0.750	0.3980	1	115	8.9	380 FPM	90	10.5

MUA FAN INFORMATION - JOB#7618283

FAN UNIT NO.	TAG	QTY	FAN UNIT MODEL #	BLOWER HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL.	HP	BHP	PHASE	VOLT	FLA	NCA	HDCP	WEIGHT (LBS)	SDNES	
2	MJA-1	1	D76	G7D	D.6	600	980	0.500	1798	TEAD-ECM	1.000	0.5400	1	115	11.6	16.6A	25A	325	22.2

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO.	TAG	INPUT BTU/h	OUTPUT BTU/h	REQUIRED INPUT GAS PRESSURE	GAS TYPE
2	MJA-1	77487	71288	7" IN. W.C. - 14 IN. W.C.	NATURAL

FAN ACCESSORIES

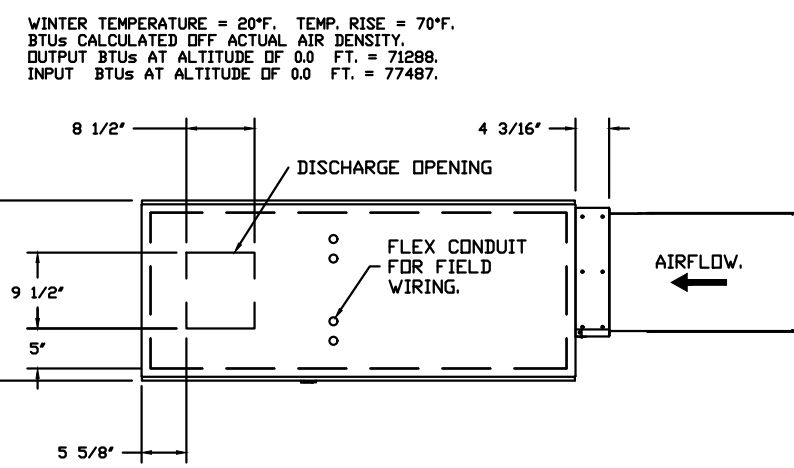
FAN UNIT NO.	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT DISCHARGE	SIDE DAMPER	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1		YES					YES	
2								

CURB ASSEMBLIES

NO	DI	W	WEIGHT	ITEM	SIZE
1	# 1		36 LBS	CURB	23.000"W X 23.000"L X 20.000"H VENTED HINGED.
2	# 2		50 LBS	CURB	19.500"W X 52.000"L X 20.000"H INSULATED.

- FAN #2 2748 - HEATER
 1. LOW CFM DIRECT FIRED HEATER. DIRECT DRIVE.
 2. INTAKE NEED WITH EZ FILTERS.
 3. DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT.
 4. GAS PRESSURE GAUGE, 0-35", 2 1/2" DIAMETER, 1/4" THREAD SIZE.
 5. GAS PRESSURE GAUGE, 0-15 INCHES W.C., 2 1/2" DIAMETER, 1/4" THREAD SIZE.
 6. MOTORIZED BACK DRAFT DAMPER 13" X 13" FOR 876 COMPACT DIRECT FIRED HEATERS W/EXTENDED SHAFT, STANDARD GALVANIZED CONSTRUCTION, 3/4" BEAM FLANGE, ITTOSI ACTUATOR INCLUDED.
 7. CURB DUCT HANGER - 1-1/4" ANGLE IRON FRAME, WELDED TO CURB TO SUPPORT STANDARD SIZE DUCTWORK. PRICED PER CURB. ONLY AVAILABLE WHEN CURB ASSEMBLY IS ORDERED.
 8. ECM WIRING PACKAGE FOR SUPPLY MOTORS WITH PWM SIGNAL FROM ECMH3 PREWIRE.
 9. EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET.

SUPPLY SIDE HEATER INFORMATION

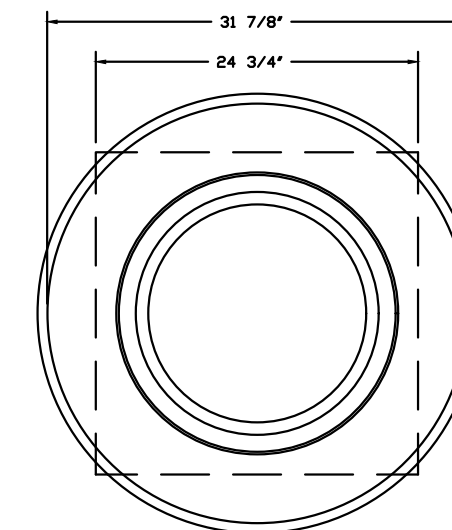
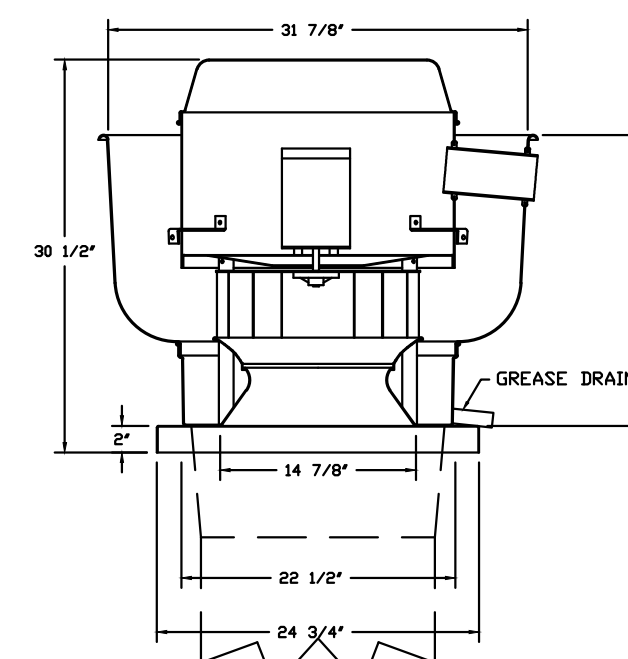


FAN OPTIONS

FAN UNIT NO.	TAG	QTY	DESCRIPTION
1		1	GREASE BOX
1		1	FAN BASE CERAMIC SEAL - DU/DRSHFA - INSTALLED AT PLANT - FOR GREASE DUCTS
1		1	ECM WIRING PACKAGE - PWM SIGNAL FROM ECMH3 PREWIRE (TELCD MOTOR), CCV ROTATION
1		1	2 YEAR PARTS WARRANTY
1		1	INLET PRESSURE GAUGE, 0-35"
1		1	MANIFOLD PRESSURE GAUGE, -5 TO 15" WC
1		1	MOTORIZED INTAKE DAMPER (D76)
1		1	CURB DUCT HANGER
1		1	ECM WIRING PACKAGE-SUPPLY - PWM SIGNAL FROM ECMH3 PREWIRE (TELCD MOTOR), CV ROTATION
1		1	EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET

HMI SCHEDULE				
UNIT NUMBER	HMI #	HMI LOCATION	TEMP AVERAGING	MODBUS ADDRESS
FAN #2	HMI #1 - UNIT	IN UNIT	NDT AVERAGED	55

FAN #1 DURSHFA - EXHAUST FAN



TOP VIEW

FEATURES:

- DIRECT DRIVE CONSTRUCTION AND BELTS/PALLEYS.
- ROOF HEATED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ILL-5445
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (150°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST:

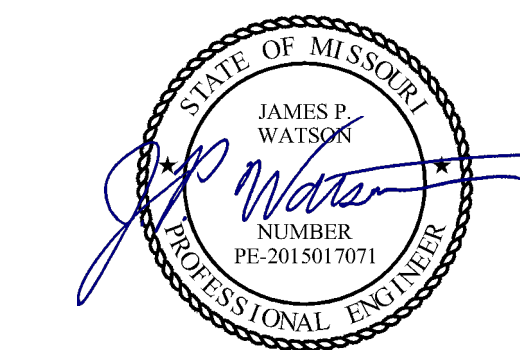
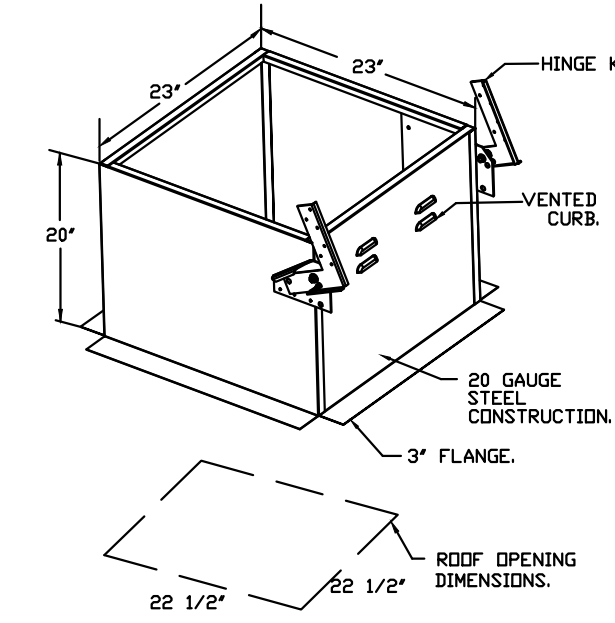
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

ABNORMAL FLARE-UP TEST:

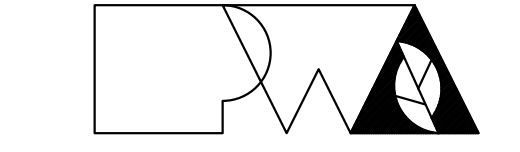
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS:

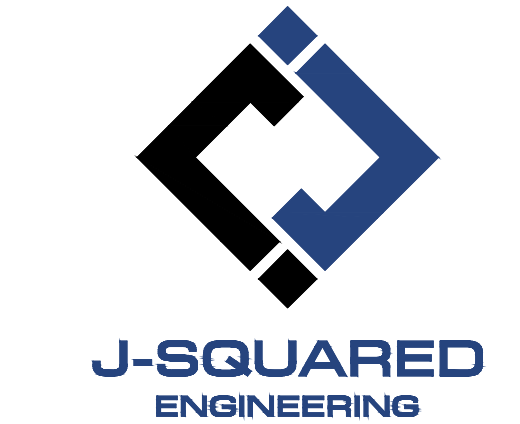
- GREASE BOX
- FAN BASE CERAMIC SEAL - DU/DRSHFA
- INSTALLED AT PLANT - FOR GREASE DUCTS
- ECM WIRING PACKAGE - PWM SIGNAL FROM ECMH3 PREWIRE (TELCD MOTOR), CCV ROTATION
- 2 YEAR PARTS WARRANTY.



James Watson, P.E. September 19, 2025
 PE-2015017071
 MO Certificate of Authority # 2018029680



Peckham & Wright Architects, Inc. d.b.a.
PWArchitects, Inc.
 2120 Forum Blvd., Ste. 101
 Columbia, Missouri 65203
 PWArchitects.com | 573-449-2853
 Peckham & Wright Architects is an Architectural Corporation
 Missouri State Certificate of Authority No. 000244



OFFICE OF
 ADMINISTRATION
 DIVISION OF
 FACILITIES
 MANAGEMENT,
 DESIGN AND
 CONSTRUCTION

NEW FIRE STATION
 MISSOURI STATE FAIR
 SEDALIA, MISSOURI

PROJECT # F2405-01
 SITE # 1501
 FACILITY # 3511501027
 J-SQUARED # J21328

REVISION: _____
 DATE: _____
 REVISION: _____
 DATE: _____
 REVISION: _____
 DATE: _____
 ISSUE DATE: 09/19/2025

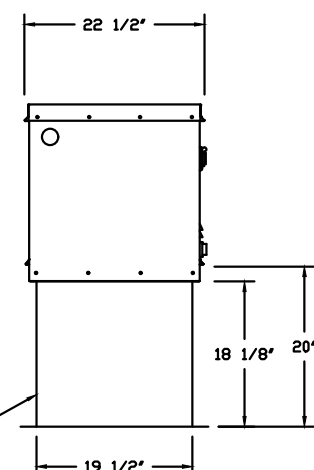
CAD DWG FILE: J21328
 DRAWN BY: NRP
 CHECKED BY: JPW
 DESIGNED BY: NRP

SHEET TITLE:
 HVAC KITCHEN
 VENTILATION
 DETAILS 1

SHEET NUMBER:

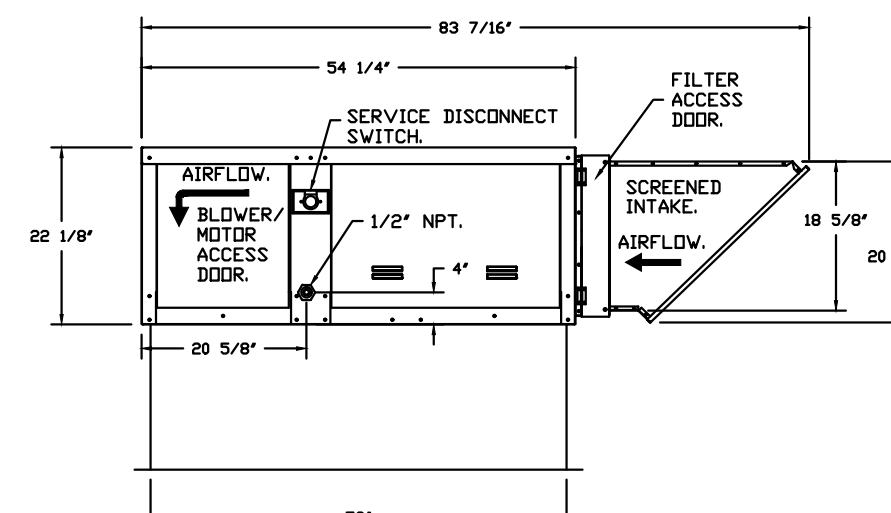
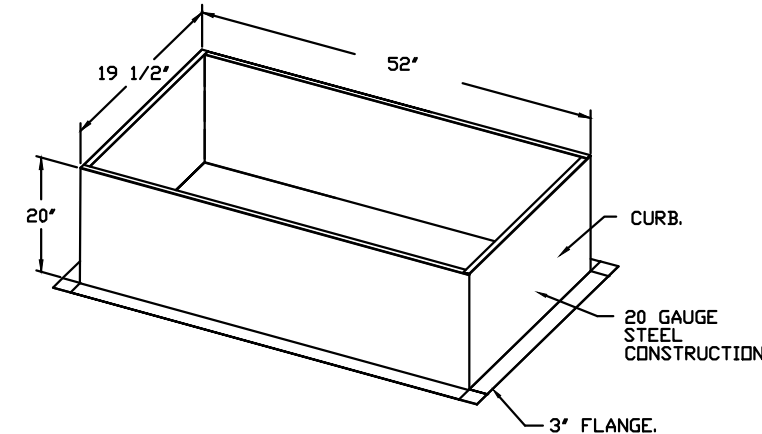
M602

42 OF 55 SHEETS
 September 19, 2025



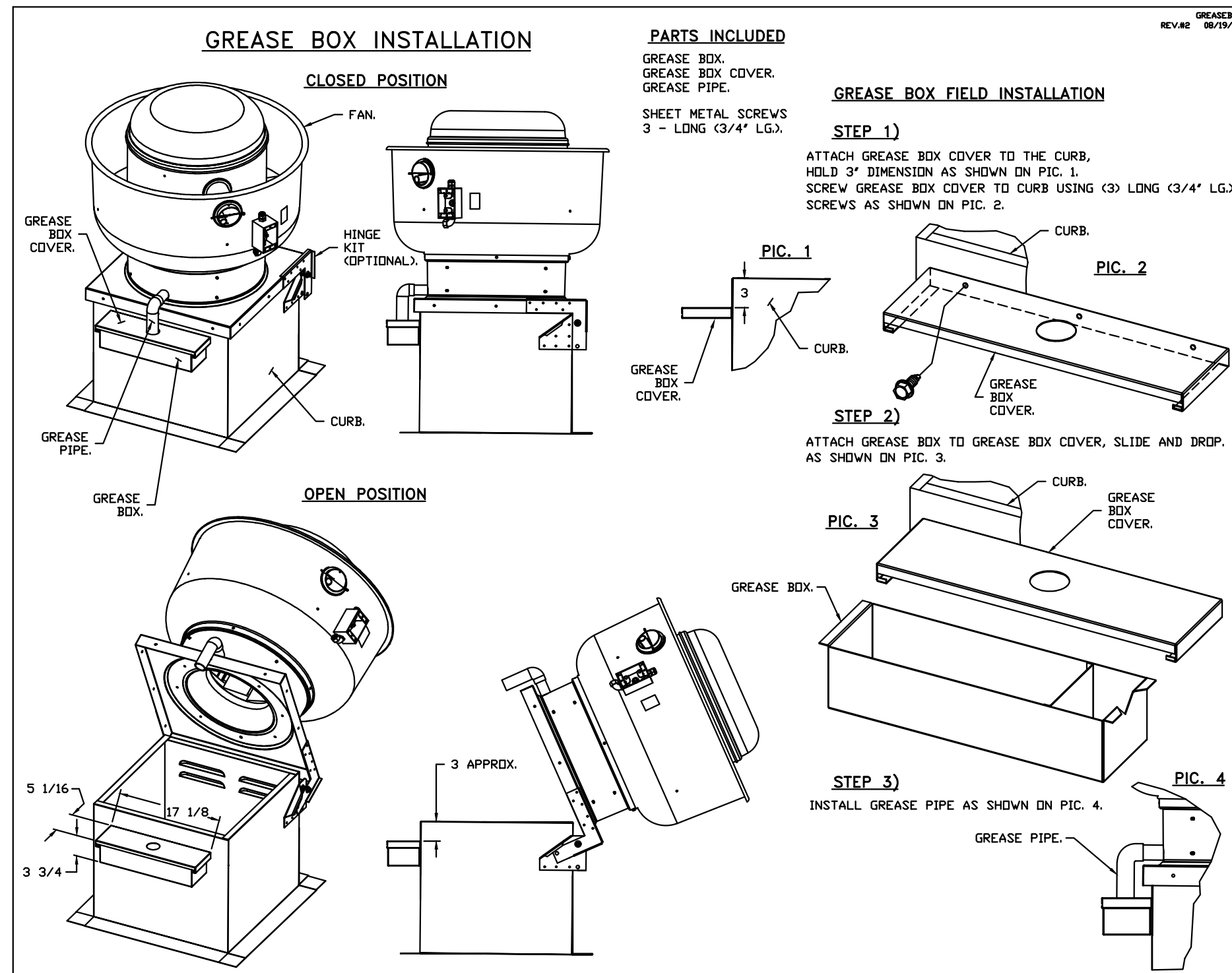
ROOF OPENING 2" SMALLER THAN CURB DIMENSION.

OPTIONS:
 - FULL BOTTOM CORNERS.



DIRECT FIRED (DF) PROFILE PLATE ASSEMBLY

DIRECT FIRED PROFILE PLATE SPECIFICATIONS:
DESCRIPTION:
 DIRECT FIRED BURNERS SHALL HAVE PATENTED (US PATENT NO. US6699328B2), SELF-ADJUSTING PROFILE PLATES DESIGNED TO ENSURE PROPER AIR VELOCITY AND PRESSURE DROP ACROSS THE BURNER. PROFILE PLATES SHALL ALLOW BURNERS TO ACHIEVE CLEAN COMBUSTION BY LIMITING BY-PRODUCT LEVELS TO A MAXIMUM OF 30PPM OF CARBON MONOXIDE (CO) AND SUPPLY OF NITROGEN DIOXIDE (NO2). DIRECT FIRED UNITS SHALL BE CONFIGURED WITH THE BLOWER MOUNTED DOWNSTREAM OF THE BURNER. THIS ARRANGEMENT WILL ENSURE A CONSISTENT AIRFLOW, REGARDLESS OF INLET AIR TEMPERATURE.
APPLICATION:
 SPRING-LOADED BURNER PROFILE PLATES ARE ENGINEERED TO AUTOMATICALLY REACT TO THE MOMENTUM OF A FRESH AIR STREAM, WITHOUT THE NEED FOR ANY MOTORS OR ACTUATORS TO MECHANICALLY ADJUST THEM. WITH THIS FEATURE, ALL DF UNITS ARE DESIGNED FOR DEMAND CONTROL VENTILATION (DCV) REQUIREMENTS.
GENERAL CONSTRUCTION:
 -PROFILE PLATES SHALL BE FORMED FROM 600 GALVANIZED STEEL.
 -PROFILE PLATES SHALL VARY IN SIZE PER UNIT.
 -PROFILE PLATES SHALL BE MOUNTED ALONG THE SAME PLANE AS THE DISCHARGE OF THE BURNER.
 -DESIGN SHALL INCORPORATE PROPERLY TORQUED, PERMANENTLY MOUNTED SPRING HINGES.
 -SPRING HINGES SHALL BE MADE FROM PLATED STEEL.



*NOTE: UL 705 INSTALL.

POWER PLAN SYMBOL LEGEND

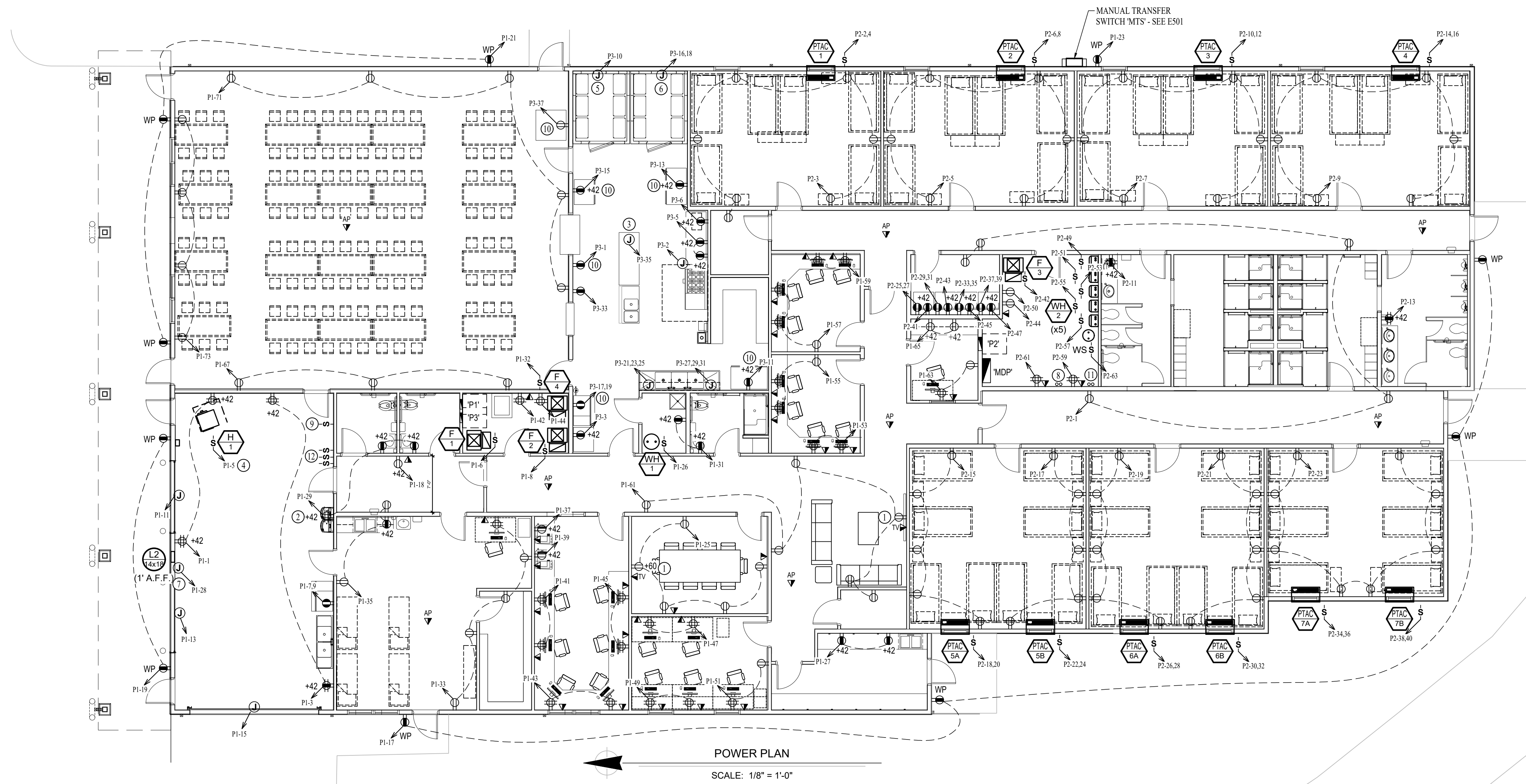
- PX-XX CIRCUIT WIRING
- PX-XX CIRCUIT TAG
- Ⓝ JUNCTION BOX
- XXⓃ+42 RECEPTACLE
INDICATES MOUNTING HEIGHT TO BOTTOM OF BOX
(STANDARD @ 18" AFF UNLESS NOTED OTHERWISE)
"WP" = WEATHERPROOF OUTDOOR RECEPTACLE
- Ⓜ GFCI DUPLEX CONVENIENCE RECEPTACLE
- Ⓜ 208V RECEPTACLE
- Ⓜ QUADPLEX CONVENIENCE RECEPTACLE
- ▼ DATA / PHONE JACK
BOX WITH 1" CONDUIT & PULL STRING UP TO CEILING SPACE
(STANDARD @ 18" AFF UNLESS NOTED OTHERWISE)
- AP▼ WIRELESS ACCESS POINT, CEILING MOUNTED
- Ⓜ FLOOR RECEPTACLE
- ▼ FLOOR DATA
- Ⓜ DISCONNECT
- Ⓜ FUSED DISCONNECT
- Ⓜ_{OT} SWITCH (CEILING MOUNTED DUAL-TECH OCCUPANCY SENSOR)

POWER PLAN GENERAL NOTES:

1. REFER TO E500 AND/OR E600 SERIES SHEETS FOR ADDITIONAL ELECTRICAL NOTES, DETAILS, REQUIREMENTS, AND SCHEDULES.
2. ELECTRICAL CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTS AND COORDINATE LOCATION OF ALL ELECTRICAL EQUIPMENT, WIRING, HANGERS / SUPPORTS, ETC. WITH HVAC AND PLUMBING TRADES BEFORE INSTALLATION OF ANY MATERIAL. ADDITIONAL COSTS ASSOCIATED WITH LACK OF COORDINATION WILL NOT BE REIMBURSED.

POWER PLAN KEY NOTES:

- ① COORDINATE EXACT TV ELEVATION & LOCATION WITH OWNER.
- ② WIRE THRU UPSTREAM GFCI.
- ③ SO CORD DOWN FROM CEILING TO GFCI 120V DUPLEX RECEPTACLE AT TABLE LEVEL. COORDINATE EXACT LOCATION WITH OWNER.
- ④ WIRE THRU DOOR POSITION SWITCH ON EACH OF (3) OVERHEAD DOORS IN GARAGE. "H-1" IS ONLY TO RUN WHEN OVERHEAD DOORS ARE IN THE CLOSED POSITION.
- ⑤ WALK-IN COOLER EVAPORATOR. VERIFY POWER REQUIREMENT WITH MANUFACTURER.
- ⑥ WALK-IN FREEZER EVAPORATOR. VERIFY POWER REQUIREMENT WITH MANUFACTURER.
- ⑦ OPERABLE LOUVER WITH 120V ACTUATOR. WIRE THRU 'EF-4' SO THAT LOUVER OPENS WHEN FAN IS POWERED.
- ⑧ (2) 3" UNDERGROUND CONDUITS STUBBED UP WITH PULL STRING FOR OWNER INSTALLED ANTENNA SYSTEM. SEE MEP102 FOR CONTINUATION.
- ⑨ SWITCH FOR EXHAUST FAN 'EF-4' ON ROOF. SEE ROOF PLAN.
- ⑩ POWER FOR OWNER-PROVIDED KITCHEN EQUIPMENT. VERIFY POWER REQUIREMENTS WITH OWNER.
- ⑪ (2) 3" UNDERGROUND CONDUITS STUBBED UP WITH PULL STRING FOR FIBER / CABLE.
- ⑫ PUSH-BUTTON CONTROLS FOR (3) OVERHEAD DOORS.



LIGHTING PLAN SYMBOL LEGEND

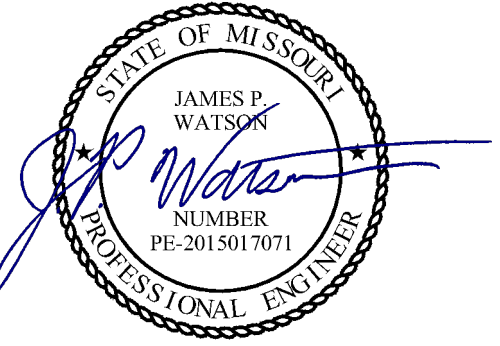
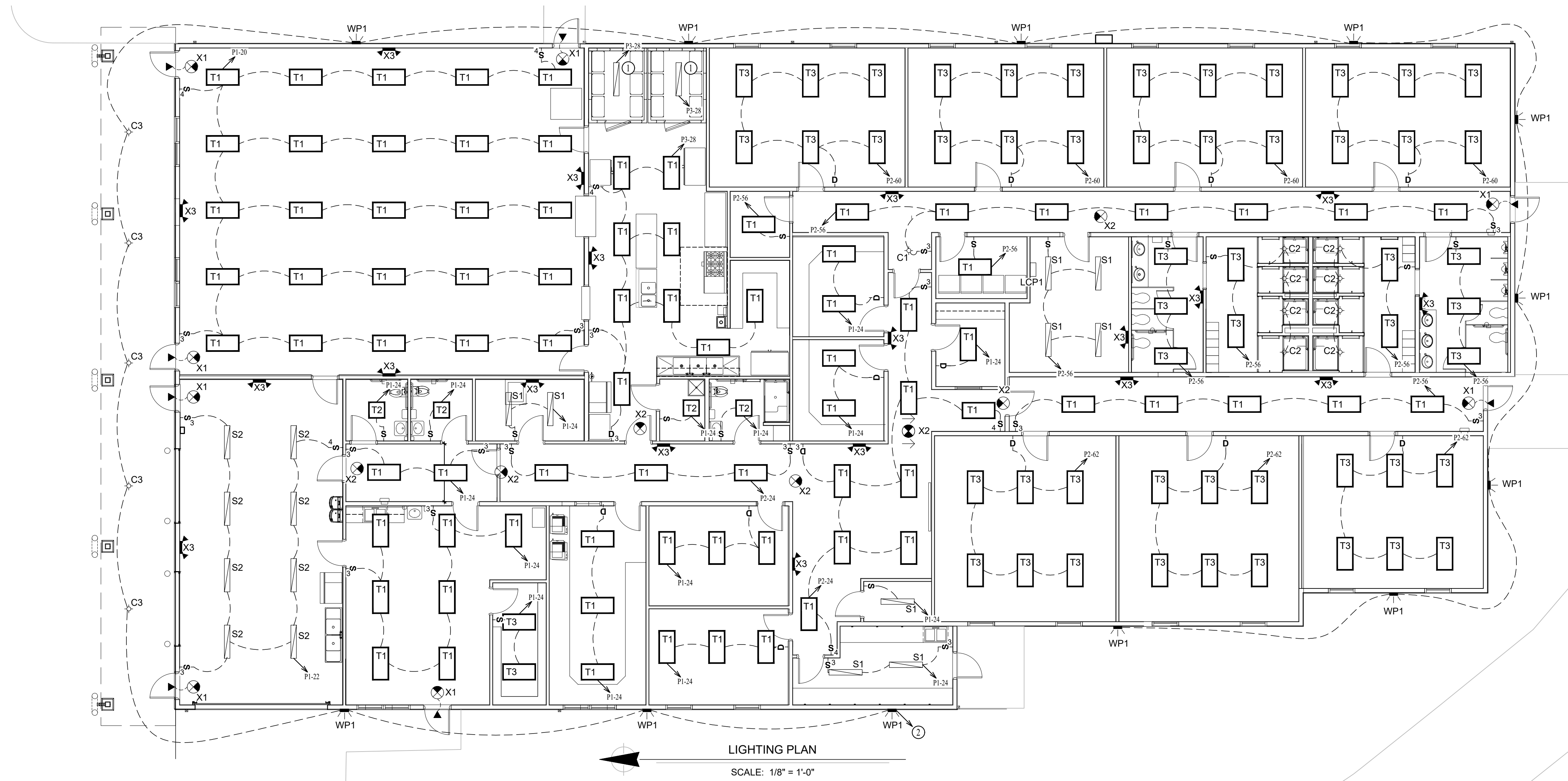
- X1 — "X1" INDICATES FIXTURE TYPE (REFER TO SCHEDULE)
- — LIGHTING FIXTURE
- EM — "EM" INDICATES EMERGENCY BATTERY BACKUP
- NL — "NL" INDICATES UN-SWITCHED NIGHT LIGHT
- EXIT LIGHT
- INDICATES REQUIRED REMOTE HEAD
- EMERGENCY EGRESS LIGHT
- SWITCH (WALL MOUNTED)
- SWITCH TYPE:
 - 3 = 3-WAY
 - 4 = 4-WAY
- DIMMER SWITCH (WALL MOUNTED)
- SWITCH TYPE:
 - SEE "SWITCH (WALL MOUNTED)" FOR TYPE DESIGNATIONS

LIGHTING PLAN GENERAL NOTES:

1. REFER TO E500 AND/OR E600 SERIES SHEETS FOR ADDITIONAL LIGHTING NOTES, DETAILS, REQUIREMENTS, AND SCHEDULES.
2. OCCUPANCY/VACANCY SENSOR QUANTITIES AND GENERAL LOCATIONS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE & INSTALL SENSOR WITH SPACING PER MANUFACTURER'S SPECIFICATIONS AND INCLUDE ADDITIONAL SENSORS IF NECESSARY. CEILING-MOUNTED SENSORS SHALL BE INSTALLED WITHIN MANUFACTURER'S ACCEPTABLE MOUNTING HEIGHT RANGE.
3. ELECTRICAL CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTS AND COORDINATE LOCATION OF ALL FIXTURES, WIRING, HANGERS / SUPPORTS, ETC. WITH HVAC AND PLUMBING TRADES BEFORE INSTALLATION OF ANY MATERIAL. ADDITIONAL COSTS ASSOCIATED WITH LACK OF COORDINATION WILL NOT BE REIMBURSED.

LIGHTING PLAN KEY NOTES:

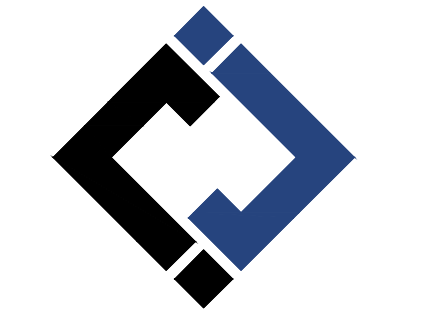
- ① WALK-IN COOLER/FREEZER LIGHTS PROVIDED BY COOLER/FREEZER SUPPLIER AND INSTALLED BY ELECTRICIAN.
- ② WIRE THRU LCP1 RELAY 1, 'P2-48'.



James Watson, P.E. September 19, 2025
PE-2015017071
MO Certificate of Authority # 2018029680



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



J-SQUARED
ENGINEERING

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
J-SQUARED # J21328

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: J21328
DRAWN BY: NRP
CHECKED BY: JPW
DESIGNED BY: NRP

SHEET TITLE:
LIGHTING PLAN

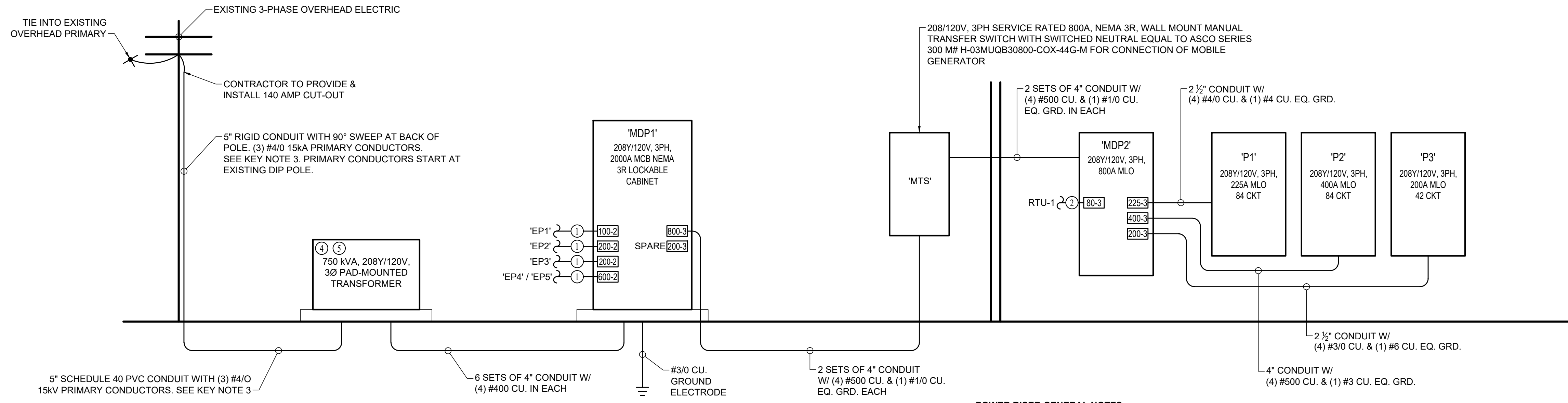
SHEET NUMBER:

E102

46 OF 55 SHEETS
September 19, 2025

ELECTRICAL SPECIFICATIONS

- 1. GENERAL**
 - 1.1. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL NECESSARY PIECES AND COMPONENTS TO PROVIDE A COMPLETE AND COMPLIANT ELECTRICAL SYSTEM UNLESS OTHERWISE NOTED ON PLANS.
 - 1.2. THE ENTIRE ELECTRICAL SYSTEM SHALL BE CONTINUOUSLY GROUNDED. EVERY BRANCH CONDUIT SHALL INCLUDE A GREEN GROUND CONDUCTOR SIZED PER NEC.
 - 1.3. ARC-FAULT CIRCUITS SHALL BE RUN WITH A DEDICATED NEUTRAL AS REQUIRED BY MANUFACTURER.
 - 1.4. PROVIDE PERMANENT ARC-FLASH LABEL AFFIXED TO EVERY DISCONNECT AND PANEL.
 - 1.5. PROVIDE TYPE WRITTEN PANEL SCHEDULE FOR EACH PANEL.
- 2. WORKMANSHIP**
 - 2.1. ALL ELECTRICAL SYSTEM COMPONENTS SHALL BE INSTALLED LEVEL, PLUMB, AND PARALLEL/PERPENDICULAR TO BUILDING ORIENTATION WHERE POSSIBLE.
 - 2.2. ALL ELECTRICAL DEVICES AND LIGHT FIXTURES SHALL BE INSTALLED IN A SAFE, FIRST-CLASS MANNER WITH ATTENTION GIVEN TO OVERALL AESTHETICS. CARE SHOULD BE TAKEN TO ALLOW FOR FUTURE REPLACEMENT AND ACCESS FOR SERVICE.
- 3. MATERIALS**
 - 3.1. CONDUIT & CONDUCTORS
 - 3.1.1. ALL CONDUCTOR SIZES INDICATED ARE COPPER UNLESS NOTED OTHERWISE ON PLANS.
 - 3.1.2. ABOVE GRADE CONDUCTORS SHALL BE TYPE THHN.
 - 3.1.3. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG UNLESS NOTED OTHERWISE. 120-VOLT, 20-AMP CIRCUITS WITH CONDUCTOR LENGTHS GREATER THAN 100' SHALL BE #10 AWG MINIMUM. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR MEASURING ACTUAL CONDUCTOR LENGTH AND INCREASING CONDUCTOR SIZE TO COMPENSATE FOR VOLTAGE DROP AS REQUIRED BY NEC.
 - 3.1.4. RIGID GALVANIZED OR SCHEDULE 40 PVC CONDUIT SHALL BE USED FOR SERVICE WIRING, BELOW GRADE INSTALLATIONS, OR WHERE EXPOSED TO WEATHER.
 - 3.1.5. IN APPLICATIONS OTHER THAN THOSE LISTED IN 3.1.4, EMT OR MC CABLE IS ACCEPTABLE.
 - 3.1.6. FOR CAST-IN-PLACE CONCRETE, TILT-UP WALL CONSTRUCTION, OR PRE-MANUFACTURED WALL SYSTEMS, COORDINATE EXACT LOCATIONS OF ALL DEVICES WITHIN WALLS WITH WALL SUPPLIER. CONDUIT EMBEDDED IN WALLS SHALL BE SCHEDULE 80 PVC OR LFMC, OR OTHER SYSTEM APPROVED BY WALL MANUFACTURER.
 - 3.1.7. EXPOSED CONDUIT SHALL BE PAINTED TO MATCH ADJACENT SURFACES. VERIFY COLOR WITH ARCHITECT/OWNER.
 - 3.2. DEVICES
 - 3.2.1. CONTRACTOR TO PROVIDE J-BOXES, COVER PLATES, AND ANY ACCESSORIES REQUIRED TO PROVIDE A COMPLETE SYSTEM. SEE ARCHITECTURAL PLANS FOR DEVICE COLORS.
 - 3.2.1. DUPLEX RECEPTACLES SHALL BE TAMPER RESISTANT, 20-AMP, EQUAL TO LEVITON #TR-20.
 - 3.2.2. SINGLE POLE TOGGLE WALL SWITCHES SHALL BE EQUAL TO LEVITON CS120-2.
 - 3.2.2. THREE-WAY TOGGLE WALL SWITCHES SHALL BE EQUAL TO LEVITON CS320-2.
 - 3.2.3. DIMMER SWITCHES SHALL BE TESTED WITH FIXTURES AND LAMPS FOR COMPATIBILITY. SEE LIGHTING PLANS FOR DETAILS.
 - 3.2.4. WHERE GFCI PROTECTION IS SHOWN ON PLANS AND UNLESS OTHERWISE NOTED, PROVIDE A LISTED GFCI-PROTECTED RECEPTACLE WHERE THE RECEPTACLE IS ACCESSIBLE ON PLANS. IF THE RECEPTACLE LOCATION IS NOT ACCESSIBLE AS DEFINED BY NEC, PROVIDE GFCI PROTECTION AT CIRCUIT BREAKER.
 - 3.2.5. DO NOT INSTALL OCCUPANCY/VACANCY SENSORS WITHIN 48" OF HVAC DIFFUSERS/GRILLES OR SIMILAR OBSTRUCTION THAT MAY AFFECT SENSOR FUNCTIONALITY. ALL SENSORS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
 - 3.2.6. ALL APPLICABLE SWITCHES, RECEPTACLES, CONTROLS, ETC. SHALL BE MOUNTED AT ADA-ACCESSIBLE HEIGHTS.
 - 3.2.7. WIRING DEVICES SHOWN ON PLANS NEXT TO ONE ANOTHER SHALL UTILIZE A SINGLE COVER PLATE UNLESS NOTED OTHERWISE.
 - 3.2.8. WIRING DEVICES SHOWN BACK-TO-BACK ON EACH SIDE OF A WALL SHALL BE OFFSET TO REDUCE SOUND TRANSMISSION.
 - 3.2.9. EACH RECEPTACLE COVER SHALL BE NEATLY AND LEGIBLY LABELED WITH CORRESPONDING PANEL AND CIRCUIT NUMBER FOR CIRCUIT IDENTIFICATION.
- 4. EMERGENCY LIGHTING**
 - 4.1. BRANCH CIRCUIT FEEDING EMERGENCY FIXTURE(S) SHALL BE SAME BRANCH CIRCUIT AS THAT SERVING NORMAL LIGHTING IN SAME AREA AND CONNECTED AHEAD OF ANY LOCAL SWITCHES.
 - 4.2. EMERGENCY LIGHTING SYSTEM SHALL PROVIDE 1FC AVERAGE AND 0.1FC MINIMUM ALONG EGRESS PATHS. ADJUST ANY EMERGENCY FIXTURES AS NECESSARY TO PROVIDE PROPER ILLUMINATION WITHOUT OBSTRUCTION FROM FURNITURE OR OBSTACLES.



POWER RISER KEY NOTES:

- ① SEE FEEDER CONDUCTOR SCHEDULE. INSTALL EQUIPMENT GROUNDS FROM EXISTING PANELS BACK TO 'MDP1'.
- ② SEE BRANCH CONDUCTOR SCHEDULE.
- ③ PRIMARY CONDUCTORS SHALL MEET THE FOLLOWING SPECIFICATIONS. 4/0 URD CABLE, CLASS B STRAND, WITH A WATER BLOCKING STRAND FILLER TO SEAL AND FILL THE SPACE BETWEEN THE STRANDS, TO HAVE AN EXTENDED THERMOSETTING SEMI CONDUCTING CONDUCTOR SHIELD WHICH IS FREE STRIPPING FROM THE CONDUCTOR AND BONDED TO THE INSULATION, 220 MIL TREE RETARDANT UCC4202 OR BOREALIS 4212 INSULATION, EXTRUDED THERMOSETTING SEMI CONDUCTING INSULATION WITH CONTROLLED ADHESION TO THE INSULATION HAVING A REDUCED CONCENTRIC NEUTRAL OF 11-14AWG. BARE COPPER NEUTRAL WIRES & OVERALL ENCAPSULATING JACKET OF LINEAR LOW DENSITY POLYETHYLENE EXTRUDED TO FILL IN THE SPACE BETWEEN NEUTRAL WIRES. JACKET MUST BE FREE STRIPPING FROM THE UNDERLYING INSULATION SHIELD. CABLE TO BE TANDEM EXTRUDED & DRY CURED. CABLE TO BE CONSTRUCTED PER ICEA S-94-649, ICEA S-97-682 AND AEIC CS8.
- ④ TRANSFORMER PRIMARY VOLTAGE 12,470 GRD Y/7,200.
- ⑤ TRANSFORMER PROVIDED & INSTALLED BY CONTRACTOR. TRANSFORMER TO BE INSTALLED NO LATER THAN 2 MONTHS PRIOR TO THE BEGINNING OF STATE FAIR ACTIVITIES (APPROXIMATELY JUNE 1, 2026). COORDINATE ALL DETAILS WITH OWNER.

POWER RISER GENERAL NOTES:

1. FIELD VERIFY EXACT EQUIPMENT LOCATIONS PRIOR TO BEGINNING WORK.
2. ELECTRICAL EQUIPMENT AIC RATING CALCULATED BASE ON THE FOLLOWING:
 - 2.1. TRANSFORMER: 750 kVA 3-PH; 5.75% Z; 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. CONTRACTOR TO PERMANENTLY LABEL ALL SWITCHGEAR WITH CALCULATED AIC-RATINGS.
 - 2.4.

BRANCH CIRCUIT CONDUCTOR SCHEDULE						
AMPA CITY	COPPER AWG SIZE	MAXIMUM DISTANCE (FEET)				MINIMUM CONDUIT SIZE
		1Ø		3Ø		
		120V	277V	208V	480V	
20	12	55'	130'	115'	260'	1/2"
	10	90'	205'	180'	415'	3/4"
30	10	60'	135'	120'	275'	3/4"
	8	95'	220'	190'	445'	1"
35	8	80'	190'	165'	380'	1"
	6	130'	300'	260'	605'	1"
40	8	70'	165'	145'	330'	1"
	6	110'	260'	225'	525'	1"
45	6	100'	235'	200'	470'	1"
	4	160'	370'	325'	750'	1-1/4"
50	6	90'	210'	180'	420'	1-1/4"
	4	145'	335'	290'	675'	1-1/4"
60	6	75'	175'	150'	350'	1-1/4"
	4	120'	280'	240'	560'	1-1/4"
70	4	105'	240'	205'	480'	1-1/4"
	3	130'	300'	260'	605'	1-1/4"
80	4	55'	210'	180'	420'	1-1/4"
	3	90'	260'	230'	530'	1-1/4"
90	3	100'	235'	200'	470'	1-1/4"
	2	125'	295'	255'	595'	1-1/4"
100	3	90'	210'	180'	420'	1-1/4"
	2	115'	265'	230'	535'	1-1/4"

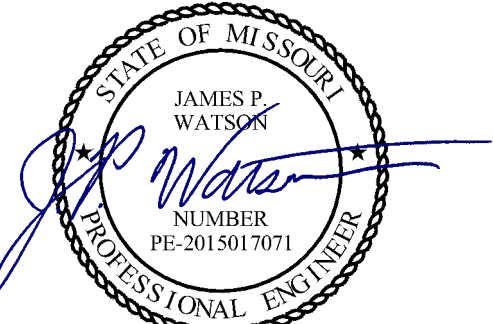
NOTES:

1. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER. ALL WIRE SIZES SHOWN ARE BASED ON CONDUCTOR TEMPERATURE RATING OF 75°C & AMBIENT TEMPERATURE OF 30°C PER NEC.
2. DISTANCE SHOWN ABOVE IS LENGTH FROM OVERCURRENT PROTECTION TO DEVICE/EQUIPMENT.
3. REFER TO PLAN SHEETS FOR BRANCH CONDUCTOR SIZING LENGTHS GREATER THAN SHOWN ABOVE.
4. VOLTAGE DROP CALCULATIONS BASED ON 3% DROP, 80% CIRCUIT LOAD, THHN/THWN INSULATION, 100% POWER FACTOR, BALANCED LOAD, NEGLIGIBLE REACTANCE, & SIX OR LESS CURRENT-CARRYING CONDUCTORS IN RACEWAY.

FEEDER CONDUCTOR SCHEDULE								
AMPA CITY	# OF SETS	CONDUCTORS				EQUIPMENT GROUND		MINIMUM CONDUIT SIZE (PER SET)
		QUANTITY PER SET		AWG SIZE		AWG SIZE		
		3Ø WYE	1Ø OR 3Ø A	COPPER	ALUMINUM	COPPER	ALUMINUM	
30	1	4	3	10	8	10	8	3/4"
40	1	4	3	8	8	8	8	1"
45	1	4	3	8	6	8	8	1"
50	1	4	3	8	6	10	8	1"
60	1	4	3	6	4	10	6	1"
70	1	4	3	4	2	8	6	1-1/4"
80	1	4	3	4	2	8	6	1-1/4"
90	1	4	3	3	2	8	6	1-1/4"
100	1	4	3	3	1	8	6	1-1/4"
110	1	4	3	2	1/0	6	4	1-1/4"
125	1	4	3	1	2/0	6	4	2"
150	1	4	3	1/0	3/0	6	4	2"
175	1	4	3	2/0	4/0	6	4	2"
200	1	4	3	3/0	250	6	4	2-1/2"
225	1	4	3	4/0	300	4	2	2-1/2"
250	1	4	3	250	350	4	2	3"
300	1	4	3	350	500	4	2	4"
350	1	4	3	400	600	3	1	4"
400	1	4	3	500	750	3	1	4"
500	2	4	3	250	350	2	1/0	4"
600	2	4	3	350	500	1	2/0	4"
800	2	4	3	500	750	1/0	3/0	4"
1000	3	4	3	400	350	2/0	4/0	4"
1200	4	4	3	350	500	3/0	250	4"
1600	5	4	3	400	750	4/0	350	4"
2000	6	4	3	400	750	250	400	4"

NOTES:

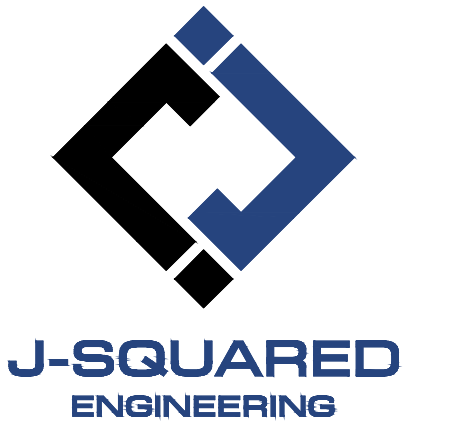
1. ALL WIRE SIZES SHOWN ARE BASED ON CONDUCTOR TEMPERATURE RATING OF 75°C & AMBIENT TEMPERATURE RATING OF 30°C PER NEC.
2. MAXIMUM ALLOWABLE VOLTAGE DROP FOR FEEDER CONDUCTORS SHALL BE 2%.
3. ELECTRICAL CONTRACTOR TO ADJUST CONDUCTOR SIZES FOR LONG CIRCUIT LENGTHS & AMBIENT TEMPERATURES HIGHER THAN 30°C.



James Watson, P.E. September 19, 2025
PE-2015017071
MO Certificate of Authority # 2018029680



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 is an Architectural Corporation
Missouri State Certificate of Authority No. 000244



OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
J-SQUARED # J21328

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

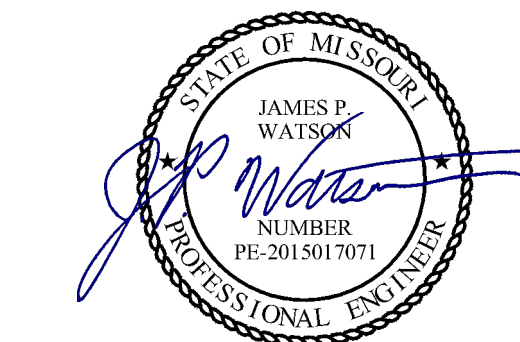
CAD DWG FILE: J21328
DRAWN BY: NRP
CHECKED BY: JPW
DESIGNED BY: NRP

SHEET TITLE:

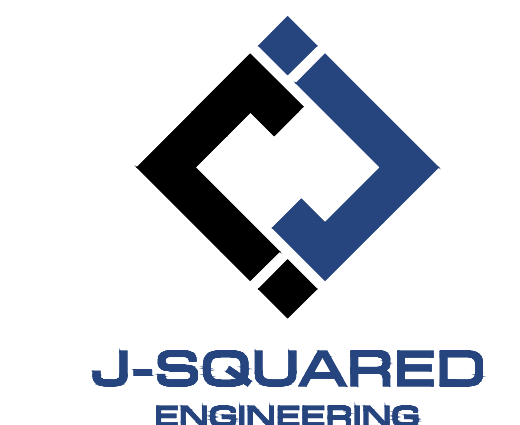
ELECTRICAL
DETAILS &
SCHEDULES 1

SHEET NUMBER:

E501



James Watson, P.E. September 19, 2025
PE-2015017071
MO Certificate of Authority # 2018029680



OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
J-SQUARED # J21328

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: J21328
DRAWN BY: NRP
CHECKED BY: JPW
DESIGNED BY: NRP

SHEET TITLE:
ELECTRICAL
DETAILS &
SCHEDULES 2

SHEET NUMBER:

E502

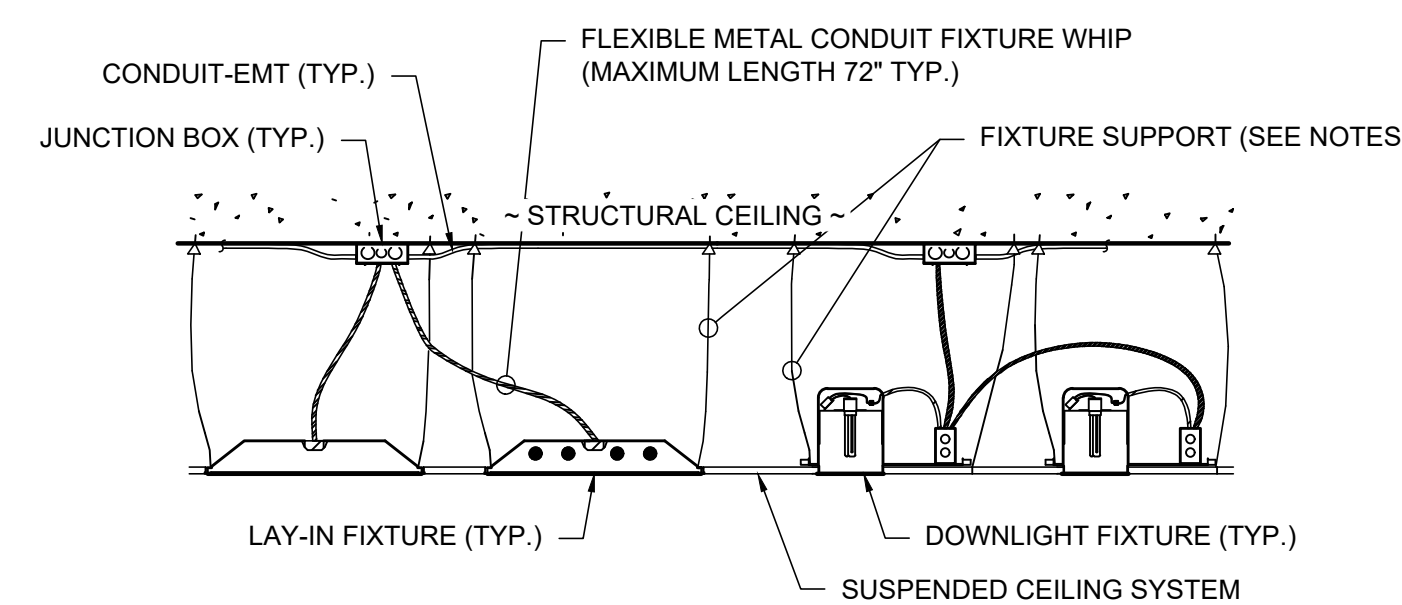
48 OF 55 SHEETS
September 19, 2025

LIGHT FIXTURE SCHEDULE											
TAG	MANUFACTURER (OR EQUAL)	MODEL NUMBER (OR EQUAL)	DESCRIPTION	MOUNTING	LUMEN OUTPUT	CCT (%K)	CRI	VOLTAGE	WATTS	DIMMING	NOTES
C1	HALO	LCR615RD9FSE020	6" ROUND LED CAN	RECESSED	1500	3500	80	120	18	0-10V	CCT SELECTABLE
C2	HALO	LCR408RD9FSE020	4" ROUND LED CAN	RECESSED	800	3500	80	120	11	0-10V	CCT SELECTABLE
C3	HALO	LCR615RD9FSE020	6" ROUND EXTERIOR LED CAN	RECESSED	1500	4000	80	120	15	0-10V	
PL1	LUMARK	PRV-XL-PA3A-740-U-5WQ-MS/DIM-L20	LED POLE LIGHT	18" POLE ON 24" BASE	25453	4000	70	208	172	0-10V	
S1	METALUX	4SNX-33SL-LW-UNV-L835-CD-1	4' STRIP LIGHT	SURFACE	3,148	3500	80	UNV	21	0-10V	
S2	METALUX	4LBLEDD4-6-SYMF-UNV-L850-CD1-U	4' LOW BAY STRIP LIGHT	SURFACE	6726	5000	80	120	44	0-10V	
T1	METALUX	24CGTS-L3C3	2x4 LED FLAT PANEL	ACT GRID	5016	3500	80	120	40	0-10V	LUMEN & CCT SELECTABLE
T2	METALUX	22CGTS-L3C3	2x2 LED FLAT PANEL	ACT GRID	3681	3500	80	120	30	0-10V	LUMEN & CCT SELECTABLE
T3	METALUX	24CGTS-L3C3	2x4 LED FLAT PANEL	ACT GRID	4179	3500	80	120	28	0-10V	LUMEN & CCT SELECTABLE
WP1	LUMARK	AXCS3A	FULL CUTOFF LED WALL PACK	WALL	3551	4000	70	120	23	0-10V	MOUNT AT 11' A.F.F.
X1	SURE LITES	APCH7R WITH APWR2	INTR EXIT LIGHT WITH EXTR RMT HD	CEILING	-	-	-	UNV	1	-	WITH RED LETTERS
X2	SURE LITES	APCH7R	INTERIOR EXIT LIGHT WITH HEADS	WALL / CEILING	-	-	-	UNV	1	-	WITH RED LETTERS
X3	SURE LITES	SEL25	EMERGENCY EGRESS LIGHT	WALL	-	-	-	120	1	-	

NOTES:
1. VERIFY LIGHT FIXTURE FINISHES WITH OWNER / ARCHITECT PRIOR TO INSTALLATION.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING TYPES THROUGHOUT. COORDINATE EXACT MOUNTING DETAILS WITH GENERAL CONTRACTOR.

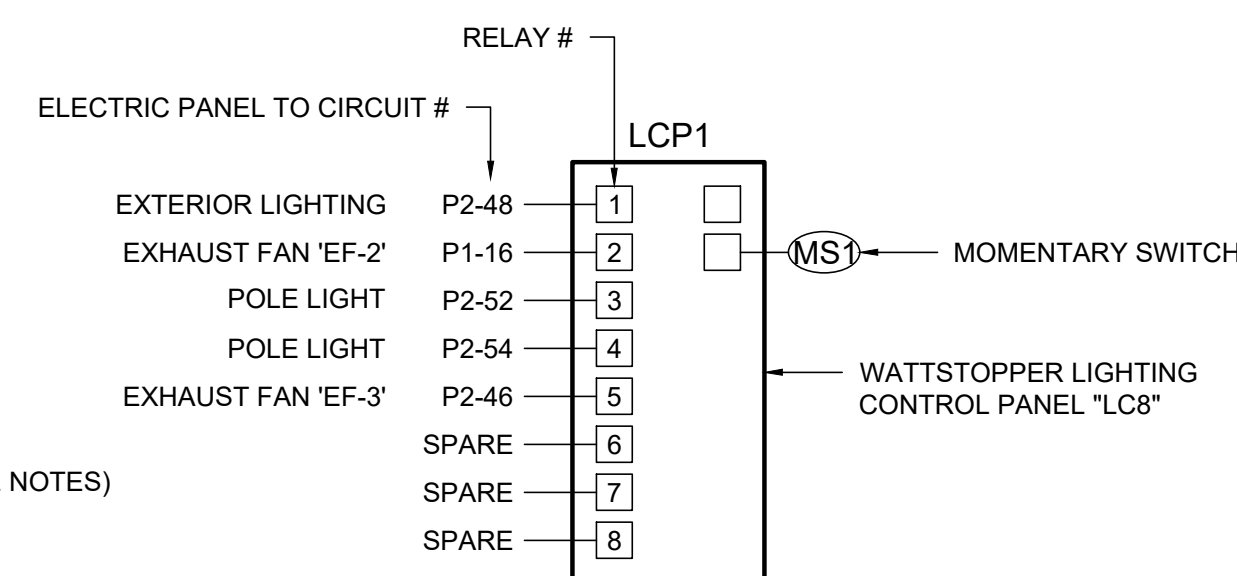
MAIN DISTRIBUTION PANEL 'MDP1' SCHEDULE									
PANEL SPECIFICATIONS							TOTAL CONNECTED LOAD		
VOLTAGE: 208Y/120V 3-PH			NEMA RATING: 3R			PHASE "A" LOAD: 587.6 AMPS			
AMPACITY: 2000A MCB			PANEL MOUNTING: SURFACE			PHASE "B" LOAD: 582.7 AMPS			
AIC-RATING: 65KA						PHASE "C" LOAD: 554.1 AMPS			
CIRCUIT NUMBER	DESCRIPTION	BREAKER SIZE	AMPS	PHASE	AMPS	BREAKER SIZE	DESCRIPTION	CIRCUIT NUMBER	
1	PANEL 'EP1'	100-2		A	587.6	800-3	MDP2	2	
3	\	\		B	582.7	\	\	4	
5	PANEL 'EP2'	200-2		C	554.1	\	\	6	
7	\	\		A	\	200-3	SPARE	8	
9	PANEL 'EP3'	200-2		B	\	\	\	10	
11	\	\		C	\	\	\	12	
13	PANEL 'EP4' / 'EP5'	600-2		A	\	\	OPEN	14	
15	\	\		B	\	\	OPEN	16	
17	OPEN	\		C	\	\	OPEN	18	
19	OPEN	\		A	\	\	OPEN	20	
21	OPEN	\		B	\	\	OPEN	22	
23	OPEN	\		C	\	\	OPEN	24	
25	OPEN	\		A	\	\	OPEN	26	
27	OPEN	\		B	\	\	OPEN	28	
29	OPEN	\		C	\	\	OPEN	30	

NOTES:
A: PANEL SHALL BE EQUAL TO SQUARE D "I-LINE" SERIES.
B: ELECTRICIAN SHALL VERIFY EXACT EQUIPMENT OVERCURRENT PROTECTION REQUIREMENTS PRIOR TO PURCHASE & INSTALLATION OF EQUIPMENT.
C: AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL.



- NOTES:**
1. FOR LAY-IN CEILINGS: MINIMUM TWO 2.5mm (0.1") (#10 AWG) GALVANIZED STEEL WIRES AT DIAGONAL CORNERS (WITHIN 100mm (4") OF FIXTURE CORNER) DIRECTLY FROM STRUCTURE.
2. FOR DOWNLIGHTS: MINIMUM ONE 2.5mm (0.1") (#10 AWG) WIRE FROM STRUCTURE.

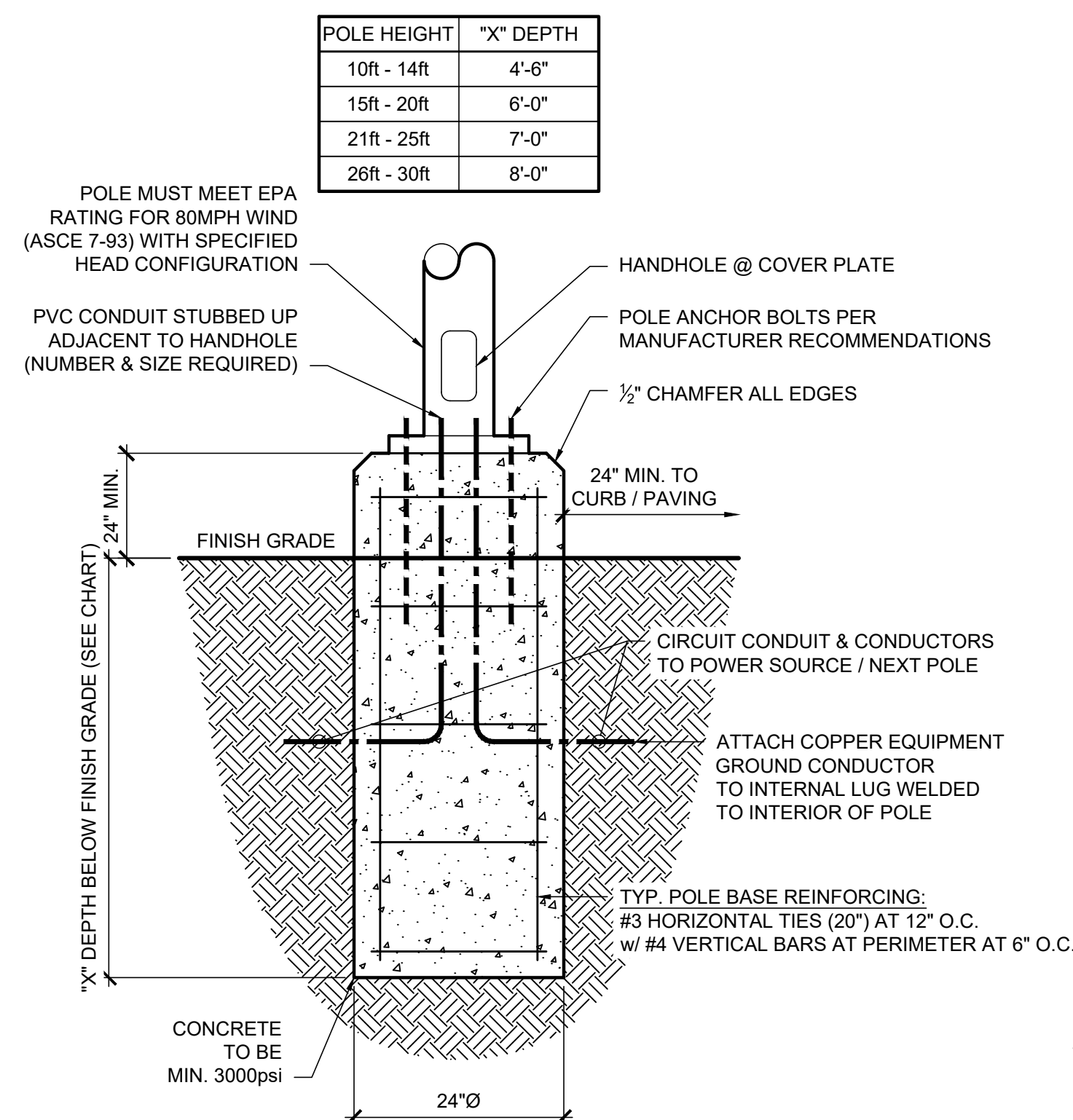
TYP. LIGHT FIXTURE INSTALLATION DETAIL



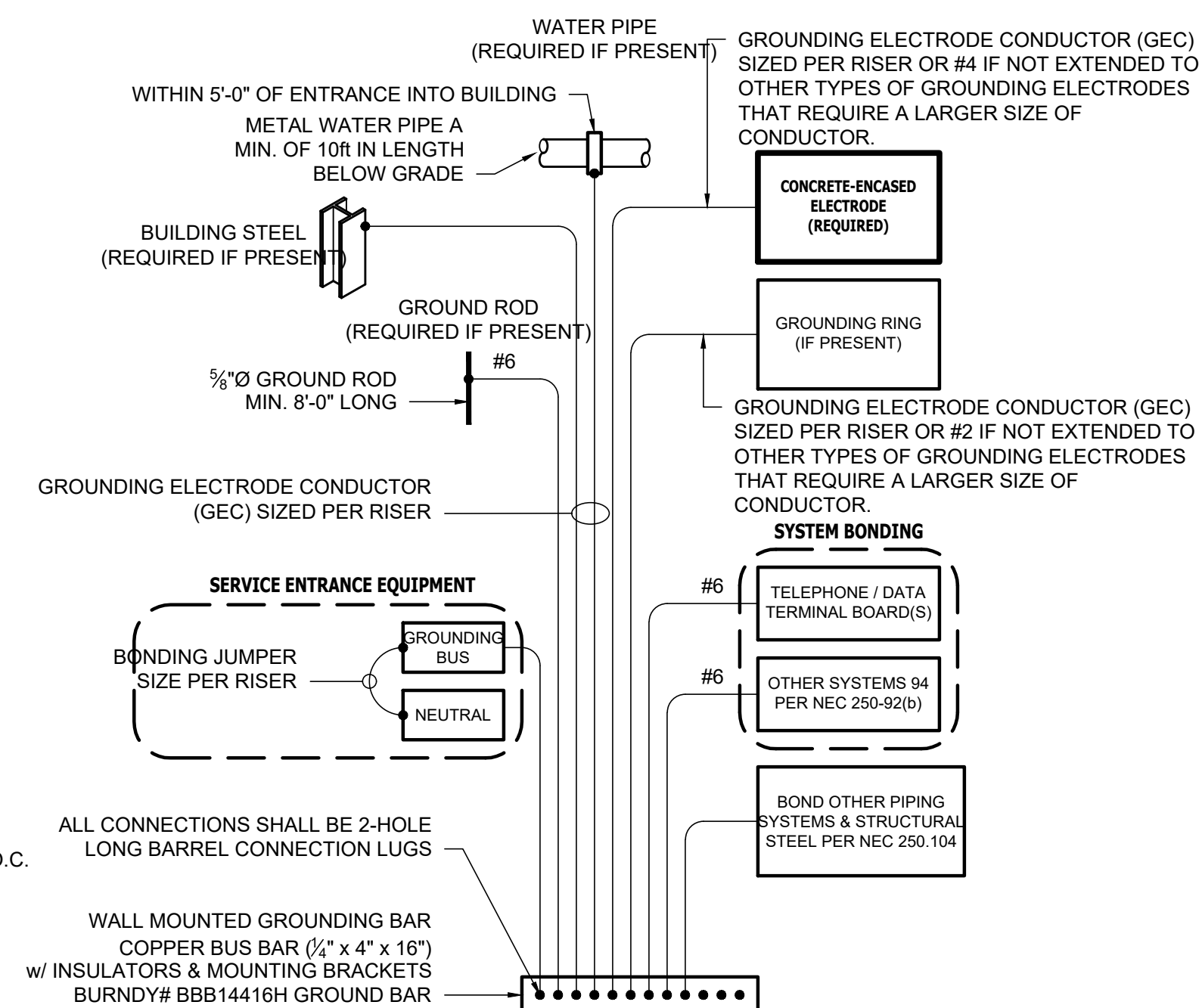
LIGHTING CONTROL PANEL SCHEDULE

RELAY #	OVERRIDE SWITCH	OPERATIONAL SCHEDULE
1	NO	ON DURING NIGHTTIME HOURS
2	NO	ON DURING OCCUPIED HOURS
3	NO	ON DURING NIGHTTIME HOURS
4	-	-
5	NO	ON DURING OCCUPIED HOURS
6	-	-
7	-	-
8	-	-

LIGHTING CONTROL PANEL



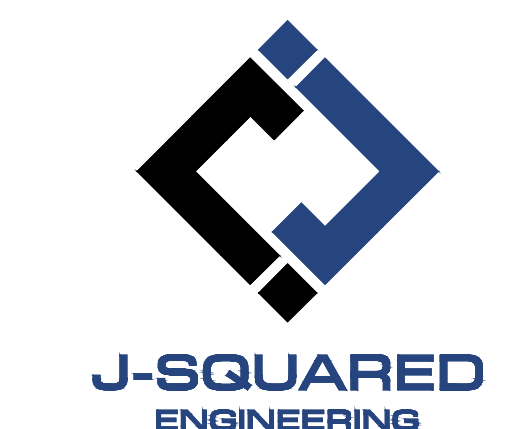
TYPICAL LIGHT POLE DETAIL - 1



TYPICAL GROUNDING & BONDING DETAIL



James Watson, P.E. September 19, 2025
PE-2015017071
MO Certificate of Authority # 2018029680



OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
J-SQUARED # J21328

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: J21328
DRAWN BY: NRP
CHECKED BY: JPW
DESIGNED BY: NRP

SHEET TITLE:

ELECTRICAL
DETAILS &
SCHEDULES 3

SHEET NUMBER:

E503

49 OF 55 SHEETS
September 19, 2025

MAIN DISTRIBUTION PANEL 'MDP2' SCHEDULE									
PANEL SPECIFICATIONS						TOTAL CONNECTED LOAD			
VOLTAGE: 208Y/120V 3-PH		NEMA RATING: 1		AMPS		PHASE "A" LOAD:		587.6 AMPS	
AMPACITY: 800A MLO		PANEL MOUNTING: SURFACE		AMPS		PHASE "B" LOAD:		582.7 AMPS	
AIC-RATING: 22KA				AMPS		PHASE "C" LOAD:		554.1 AMPS	
CIRCUIT NUMBER	DESCRIPTION	BREAKER SIZE	AMPS	PHASE	AMPS	BREAKER SIZE	DESCRIPTION	CIRCUIT NUMBER	
1	PANEL 'P1'	225-3	138.8	A	57	80-3	RTU-1	2	
3	\	\	137.2	B	57	\	\	4	
5	\	\	129	C	57	\	\	6	
7	PANEL 'P2'	400-3	281.4	A			OPEN	8	
9	\	\	293.2	B			OPEN	10	
11	\	\	270.8	C			OPEN	12	
13	PANEL 'P3'	200-3	110.4	A			OPEN	14	
15	\	\	95.3	B			OPEN	16	
17	\	\	97.3	C			OPEN	18	
19	OPEN			A			OPEN	20	
21	OPEN			B			OPEN	22	
23	OPEN			C			OPEN	24	
25	OPEN			A			OPEN	26	
27	OPEN			B			OPEN	28	
29	OPEN			C			OPEN	30	

NOTES:
A: PANEL SHALL BE EQUAL TO SQUARE D "I-LINE" SERIES.
B: ELECTRICIAN SHALL VERIFY EXACT EQUIPMENT OVERCURRENT PROTECTION REQUIREMENTS PRIOR TO PURCHASE & INSTALLATION OF EQUIPMENT.
C: AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL.

PANEL 'P2' SCHEDULE									
PANEL SPECIFICATIONS						TOTAL CONNECTED LOAD			
VOLTAGE: 120/208V 3-PH		NEMA RATING: 1		AMPS		PHASE "A" LOAD:		281.4 AMPS	
AMPACITY: 400A MLO		PANEL MOUNTING: RECESSED		AMPS		PHASE "B" LOAD:		293.2 AMPS	
AIC-RATING: 22KA				AMPS		PHASE "C" LOAD:		270.8 AMPS	
CIRCUIT NUMBER	DESCRIPTION	BREAKER SIZE	AMPS	PHASE	AMPS	BREAKER SIZE	DESCRIPTION	CIRCUIT NUMBER	
1	LAUNDRY / HALL RECEP	20-1*	7.5	A	28	30-2	PTAC-1	2	
3	BUNK 1 RECEP	20-1*	12	B	28	\	\	4	
5	BUNK 2 RECEP	20-1*	9	C	28	30-2	PTAC-2	6	
7	BUNK 3 RECEP	20-1*	9	A	28	\	\	8	
9	BUNK 4 RECEP	20-1*	9	B	28	30-2	PTAC-3	10	
11	WOMENS RESTROOM RECEPT	20-1*	3	C	28	\	\	12	
13	MENS RESTROOM RECEPT	20-1*	3	A	28	30-2	PTAC-4	14	
15	BUNK 5 RECEP	20-1*	7.5	B	28	\	\	16	
17	BUNK 5 RECEP	20-1*	7.5	C	19	20-2	PTAC-5A	18	
19	BUNK 6 RECEP	20-1*	7.5	A	19	\	\	20	
21	BUNK 6 RECEP	20-1*	7.5	B	19	20-2	PTAC-5B	22	
23	BUNK 7 RECEP	20-1*	12	C	19	\	\	24	
25	DRYER	30-2	20	A	19	20-2	PTAC-6A	26	
27	\	\	20	B	19	\	\	28	
29	DRYER	30-2	20	C	19	20-2	PTAC-6B	30	
31	\	\	20	A	19	\	\	32	
33	DRYER	30-2	20	B	19	20-2	PTAC-7A	34	
35	\	\	20	C	19	\	\	36	
37	DRYER	30-2	20	A	19	20-2	PTAC-7B	38	
39	\	\	20	B	19	\	\	40	
41	WASHER	20-1	10	C	10	20-1	FURNACE F-3	42	
43	WASHER	20-1	10	A	1	20-1	FIRE ALARM PANEL	44	
45	WASHER	20-1	10	B	2.2	20-1	EXHAUST FAN EF-3	46	
47	WASHER	20-1	10	C	3.3	20-1	EXTERIOR LIGHTING	48	
49	WATER HEATER	20-1	1	A	1	20-1	LIGHTING CONTROL PANEL 'LCP1'	50	
51	WATER HEATER	20-1	1	B	2	20-2	POLE LIGHT	52	
53	WATER HEATER	20-1	1	C	2	\	\	54	
55	WATER HEATER	20-1	1	A	11.4	20-1	HALLWAY / RESTROOM LIGHTING	56	
57	WATER HEATER	20-1	1	B			OPEN	58	
59	MECH 124 LT. RECEPT	20-1	3	C	8	20-1	EAST BUNK LIGHTING	60	
61	MECH 124 LT. RECEPT	20-1	3	A	6	20-1	WEST BUNK LIGHTING	62	
63	WATER SOFTENER	20-1	1	B	20	25-2	CU-3	64	
65	SPARE	20-1		C	20	\	\	66	
67	SPARE	20-1		A			OPEN	68	
69	SPARE	20-1		B			OPEN	70	
71	SPARE	20-1		C			OPEN	72	
73	SPARE	20-1		A			OPEN	74	
75	SPARE	20-1		B			OPEN	76	
77	SPARE	20-1		C			OPEN	78	
79	SPARE	20-1		A			OPEN	80	
81	SPARE	20-1		B			OPEN	82	
83	SPARE	20-1		C			OPEN	84	

NOTES:
A: PANEL SHALL BE EQUAL TO SQUARE D MODEL "NQ"
B: ELECTRICIAN SHALL VERIFY EXACT EQUIPMENT OVERCURRENT PROTECTION REQUIREMENTS PRIOR TO PURCHASE & INSTALLATION OF EQUIPMENT.
C: AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL.
D: AFCI BREAKERS NOTED WITH ASTERIK*

PANEL 'P1' SCHEDULE									
PANEL SPECIFICATIONS						TOTAL CONNECTED LOAD			
VOLTAGE: 120/208V 3-PH		NEMA RATING: 1		AMPS		PHASE "A" LOAD:		138.8 AMPS	
AMPACITY: 225A MLO		PANEL MOUNTING: RECESSED		AMPS		PHASE "B" LOAD:		137.2 AMPS	
AIC-RATING: 22KA				AMPS		PHASE "C" LOAD:		129 AMPS	
CIRCUIT NUMBER	DESCRIPTION	BREAKER SIZE	AMPS	PHASE	AMPS	BREAKER SIZE	DESCRIPTION	CIRCUIT NUMBER	
1	GARAGE RECEP	20-1	6	A	20	35-2	CU-1	2	
3	GARAGE RECEP	20-1	6	B	20	\	\	4	
5	UNIT HEATER 'H-1'	20-1	1	C	10	20-1	FURNACE F-1	6	
7	GARAGE ICE MACHINE	20-2	10	A	10	20-1	FURNACE F-2	8	
9	\	\	10	B	18	30-2	CU-2	10	
11	OVERHEAD DOOR	20-1	10	C	18	\	\	12	
13	OVERHEAD DOOR	20-1	10	A	1.5	20-1	ROOF RECEPT	14	
15	OVERHEAD DOOR	20-1	10	B	5	20-1	EXHAUST FAN EF-2	16	
17	EXTERIOR RECEP	20-1	4.5	C	1	20-1	ANNUNCIATOR PANEL	18	
19	EXTERIOR RECEP	20-1	3	A	8.3	20-1	DINING LIGHTING	20	
21	EXTERIOR RECEP	20-1	4.5	B	4.7	20-1	SHOP LIGHTING	22	
23	EXTERIOR RECEPT	20-1	1.5	C	14	20-1	INTERIOR LIGHTING	24	
25	MEETING 107 RECEP	20-1	9	A	1	20-1	WATER HEATER WH-1	26	
27	GEAR 109 RECEP	20-1	4.5	B	1	20-1	SHOP LOUVER	28	
29	RESTROOM RECEP / DRINKING FOUNTAIN	20-1	3	C	7	20-1	EXHAUST FAN EF-4	30	
31	JAN / RESTROOM RECEP	20-1	3	A	10	20-1	FURNACE F-4	32	
33	FIRST AID 102 RECEP	20-1	7.5	B	20	35-2	CU-4	34	
35	FIRST AID 102 RECEP	20-1	4.5	C	20	\	\	36	
37	DISPATCH 105 COPIER	20-1	5	A		20-1	SPARE	38	
39	DISPATCH 105 COPIER	20-1	5	B		20-1	SPARE	40	
41	DISPATCH 105 RECEP	20-1	6	C	3	20-1	MECH 106 LT. RECEPT	42	
43	DISPATCH 105 RECEP	20-1	6	A	3	20-1	MECH 106 LT. RECEPT	44	
45	DISPATCH 105 RECEP	20-1	6	B		20-1	SPARE	46	
47	OFFICE 108 RECEP	20-1	6	C		20-1	SPARE	48	
49	OFFICE 108 RECEP	20-1	6	A		20-1	SPARE	50	
51	OFFICE 108 RECEP	20-1	4.5	B		20-1	SPARE	52	
53	OFFICE 116 RECEP	20-1	4.5	C		20-1	SPARE	54	
55	OFFICE 116 RECEP	20-1	7.5	A		20-1	SPARE	56	
57	OFFICE 117 RECEP	20-1	7.5	B		20-1	SPARE	58	
59	OFFICE 117 RECEP	20-1	4.5	C		20-1	SPARE	60	
61	HALLWAY / LOUNGE RECEP	20-1	9	A			OPEN	62	
63	CHECK-IN RECEP	20-1	3	B			OPEN	64	
65	CHECK-IN COUNTER RECEP	20-1	3	C			OPEN	66	
67	DINING RECEP	20-1	4.5	A			OPEN	68	
69	OPEN			B			OPEN	70	
71	DINING RECEP	20-1	7.5	C			OPEN	72	
73	DINING RECEP	20-1	6	A			OPEN	74	
75	OPEN			B			OPEN	76	
77	OPEN			C			OPEN	78	
79	OPEN			A			OPEN	80	
81	OPEN			B			OPEN	82	
83	OPEN			C			OPEN	84	

NOTES:
A: PANEL SHALL BE EQUAL TO SQUARE D MODEL "NQ"
B: ELECTRICIAN SHALL VERIFY EXACT EQUIPMENT OVERCURRENT PROTECTION REQUIREMENTS PRIOR TO PURCHASE & INSTALLATION OF EQUIPMENT.
C: AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL.

PANEL 'P3' SCHEDULE									
PANEL SPECIFICATIONS						TOTAL CONNECTED LOAD			
VOLTAGE: 120/208V 3-PH		NEMA RATING: 1		AMPS		PHASE "A" LOAD:		110.4 AMPS	
AMPACITY: 200A MLO		PANEL MOUNTING: RECESSED		AMPS		PHASE "B" LOAD:		95.3 AMPS	
AIC-RATING: 22KA				AMPS		PHASE "C" LOAD:		97.3 AMPS	
CIRCUIT NUMBER	DESCRIPTION	BREAKER SIZE	AMPS	PHASE	AMPS	BREAKER SIZE	DESCRIPTION	CIRCUIT NUMBER	
1	SERVING COUNTER	20-1	10	A	1	20-1	TYPE I HOOD	2	
3	KITCHEN RECEP	20-1	1.5	B	7	20-1	SPARE	4	
5	KITCHEN RECEP	20-1	3	C	10	20-1	MICROWAVE	6	
7	SPARE	20-1		A		20-1	SPARE	8	
9	TYPE I HOOD FAN EF-1	20-1	8.9	B	5	20-1	WALK-IN COOLER EVAPORATOR	10	
11	FRIDGE	20-1	8	C	5	20-2	WALK-IN COOLER CONDENSER	12	
13	FRIDGE	20-1	8	A	5	\	\	14	
15	FREEZER	20-1	8	B	5	20-2	WALK-IN FREEZER EVAPORATOR	16	
17	ICE MACHINE	20-2	10	C	5	\	\	18	
19	\	\	10	A	5	20-3	WALK-IN FREEZER CONDENSER	20	
21	DISHWASHER	30-3	24.9	B	5	\	\	22	
23	\	\	24.9	C	5	\	\	24	
25	\	\	24.9	A	16.6	25-1	MUA-1	26	
27	DISHWASHER	30-3	24.9	B	3.6	20-1	KITCHEN LIGHTING	28	
29	\	\	24.9	C		20-1	SPARE	30	
31	\	\	24.9	A		20-1	SPARE	32	
33	GENERAL RECEPT	20-1	1.5	B		20-1	SPARE	34	
35	WORK TABLE DROP DOWN RECEPT	20-1	1.5	C		20-1	SPARE	36	
37	SALAD BAR	20-1	5	A			OPEN	38	
39	OPEN			B			OPEN	40	
41	OPEN			C			OPEN	42	

NOTES:
A: PANEL SHALL BE EQUAL TO SQUARE D MODEL "QO"
B: ELECTRICIAN SHALL VERIFY EXACT EQUIPMENT OVERCURRENT PROTECTION REQUIREMENTS PRIOR TO PURCHASE & INSTALLATION OF EQUIPMENT.
C: AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL.

FIRE ALARM PLAN SYMBOL LEGEND

	MANUAL PULL STATION
	MODULE
	OUTPUT MODULE
	SMOKE DETECTOR
	STROBE - CEILING MOUNT
	STROBE - WALL MOUNT
	HORN STROBE - WALL MOUNT
	HORN STROBE - CEILING MOUNT
	TAMPER SWITCH
	WATER FLOW SWITCH
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR

DEFERRED SUBMITTAL NOTES

- FIRE ALARM CONTRACTOR SHALL PROVIDE DELEGATED DESIGN & DIFFERED SUBMITTAL PACKAGE FOR FIRE ALARM SYSTEM. SUBMITTAL SHALL INCLUDE BATTERY CALCULATIONS, VOLTAGE DROP CALCULATIONS, EQUIPMENT SPECIFICATIONS FOR DEVICES AND PANELS, ETC. DESIGN SHALL BE SEALED BY A QUALIFIED DESIGN PROFESSIONAL LICENSED BY THE STATE.**
- FIRE ALARM SYSTEM COMPONENTS SHOWN (IF APPLICABLE) ARE GENERAL AND SCHEMATIC IN NATURE. SHOWN FOR APPROXIMATE ROUGH-IN LOCATIONS AND QUANTITIES ONLY. CONTRACTOR TO VERIFY EXACT DEVICE LOCATIONS AND REQUIREMENTS WITH FIRE ALARM SYSTEM DESIGNER OF RECORD PRIOR TO ROUGH-IN.

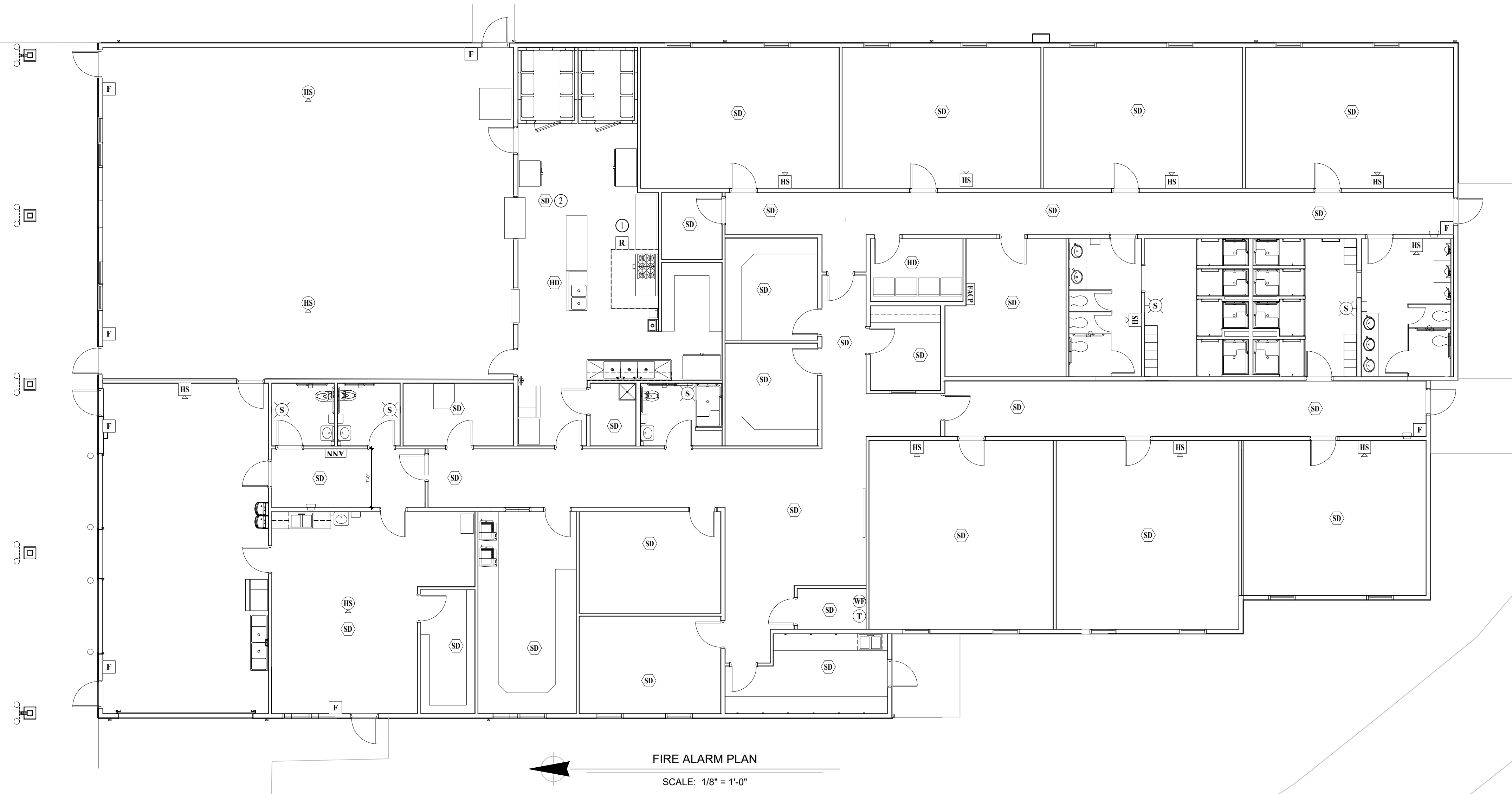
FIRE ALARM SYSTEM SPECIFICATIONS

- FIRE ALARM SYSTEM SHALL BE AN ADDRESSABLE SYSTEM THAT IS NONCODED, UL-LISTED, WITH MULTIPLEX SIGNAL TRANSMISSION AND HORN/STROBE EVACUATION.
- EVERY FIRE ALARM SYSTEM COMPONENT SHALL BE UL-LISTED AND UL-CERTIFIED, TESTED BY MANUFACTURERS AS A COMPLETE SYSTEM, AND MEET ALL APPLICABLE REQUIREMENTS OF NFPA 72.
- ALL FIRE ALARM WIRING TO BE PLENUM RATED.
- ALL INITIATING DEVICES INSTALLED IN UNCONDITIONED SPACES SHALL BE CONVENTIONAL DEVICES SUITABLE FOR USE IN EXTREME HIGH AND LOW TEMPERATURES AND HIGH HUMIDITY. SUCH DEVICES SHALL BE SUPERVISED BY ADDRESSABLE MONITOR MODULES LOCATED IN CONDITIONED SPACES.
- QUANTITIES, TYPES, AND LOCATIONS OF INITIATING DEVICES AND OUTPUT MODULES FOR INTERCONNECTION WITH FIRE SUPPRESSION MUST BE COORDINATED WITH CONTRACTORS THAT ARE RESPONSIBLE FOR THOSE SYSTEMS.

FIRE ALARM PLAN KEY NOTES:

- RELAY FOR TYPE I KITCHEN HOOD.
- SMOKE DETECTOR IN RETURN DUCT OF ROOFTOP UNIT 'RTU-1'.

FOR ESTIMATING PURPOSES ONLY - NOT FOR CONSTRUCTION



FOR ESTIMATING PURPOSES ONLY
NOT FOR CONSTRUCTION

James Watson, P.E. September 19, 2025
PE-2015017071
MO Certificate of Authority # 2018029680

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

J-SQUARED
ENGINEERING

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
J-SQUARED # J21328

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: J21328
DRAWN BY: NRP
CHECKED BY: JPW
DESIGNED BY: NRP

SHEET TITLE:
FIRE ALARM PLAN

SHEET NUMBER:

F101

50 OF 55 SHEETS
September 19, 2025

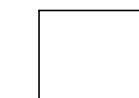
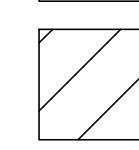
DEFERRED SUBMITTAL NOTES

1. FIRE SPRINKLER CONTRACTOR TO PROVIDE DELEGATED DESIGN & DIFFERED SUBMITTAL PACKAGE FOR FIRE SPRINKLER SYSTEM. SUBMITTAL SHALL INCLUDE HYDRAULIC CALCULATIONS AND SPRINKLER SYSTEM DRAWINGS SEALED BY A QUALIFIED DESIGN PROFESSIONAL LICENSED BY THE STATE.
2. WHERE COMBINED FIRE & DOMESTIC WATER SUPPLY LINES ARE SHOWN ON PLANS, INSTALLING CONTRACTOR SHALL VERIFY WITH FIRE SPRINKLER CONTRACTOR THAT INCOMING LINE SIZE IS ADEQUATE FOR FIRE SUPPRESSION SYSTEM.

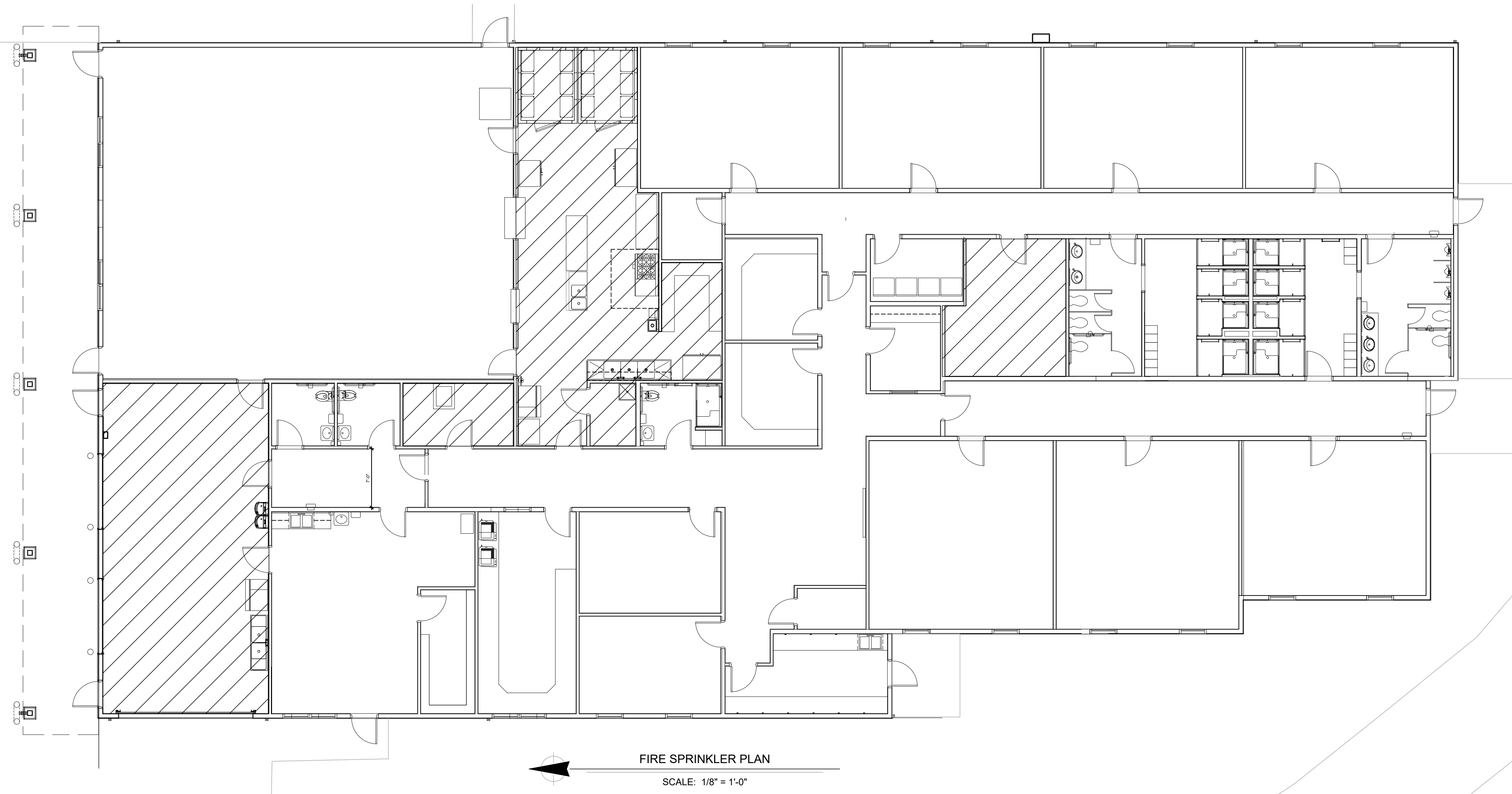
FIRE SPRINKLER PLAN GENERAL NOTES:

1. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL FIRE SPRINKLER SYSTEM REQUIREMENTS.
2. PRELIMINARY AREA DESIGNATIONS/CLASSIFICATIONS ARE FOR REFERENCE ONLY. SPRINKLER DESIGNER RESPONSIBLE FOR CLASSIFICATION AND DESIGN OF SPRINKLER SYSTEM.
3. FIRE SPRINKLER SYSTEM MUST COMPLY WITH ALL APPLICABLE SECTIONS OF NFPA-13.
4. REFER TO REFLECTED CEILING PLAN SHEETS IN ARCHITECTURAL PLANS FOR CEILING TYPES & CONSTRUCTION.
5. PROVIDE CONCEALED RECESSED HEADS WITH ESCUTCHEONS WHERE CEILING / ACOUSTIC PANELS EXIST. USE BRASS HEADS IN EXPOSED STRUCTURE AREAS.

AREA DESIGNATIONS / CLASSIFICATIONS

-  LIGHT HAZARD AREA (NO HATCH)
-  ORDINARY HAZARD (GROUP 1)

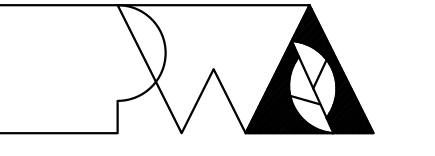
FOR ESTIMATING
PURPOSES ONLY - NOT
FOR CONSTRUCTION



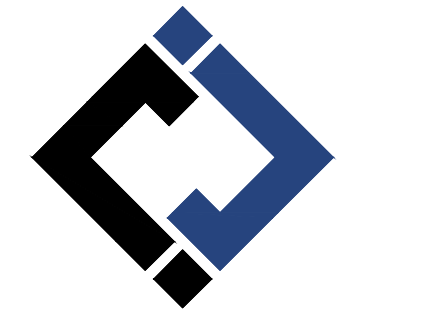
FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"



James Watson, P.E. September 19, 2025
PE-2015017071
MO Certificate of Authority # 2018029680



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



J-SQUARED
ENGINEERING

OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
J-SQUARED # J21328

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: J21328
DRAWN BY: NRP
CHECKED BY: JPW
DESIGNED BY: NRP

SHEET TITLE:

**FIRE SPRINKLER
PLAN**

SHEET NUMBER:

F102

51 OF 55 SHEETS
September 19, 2025

SANITARY SEWER PLAN SYMBOL LEGEND

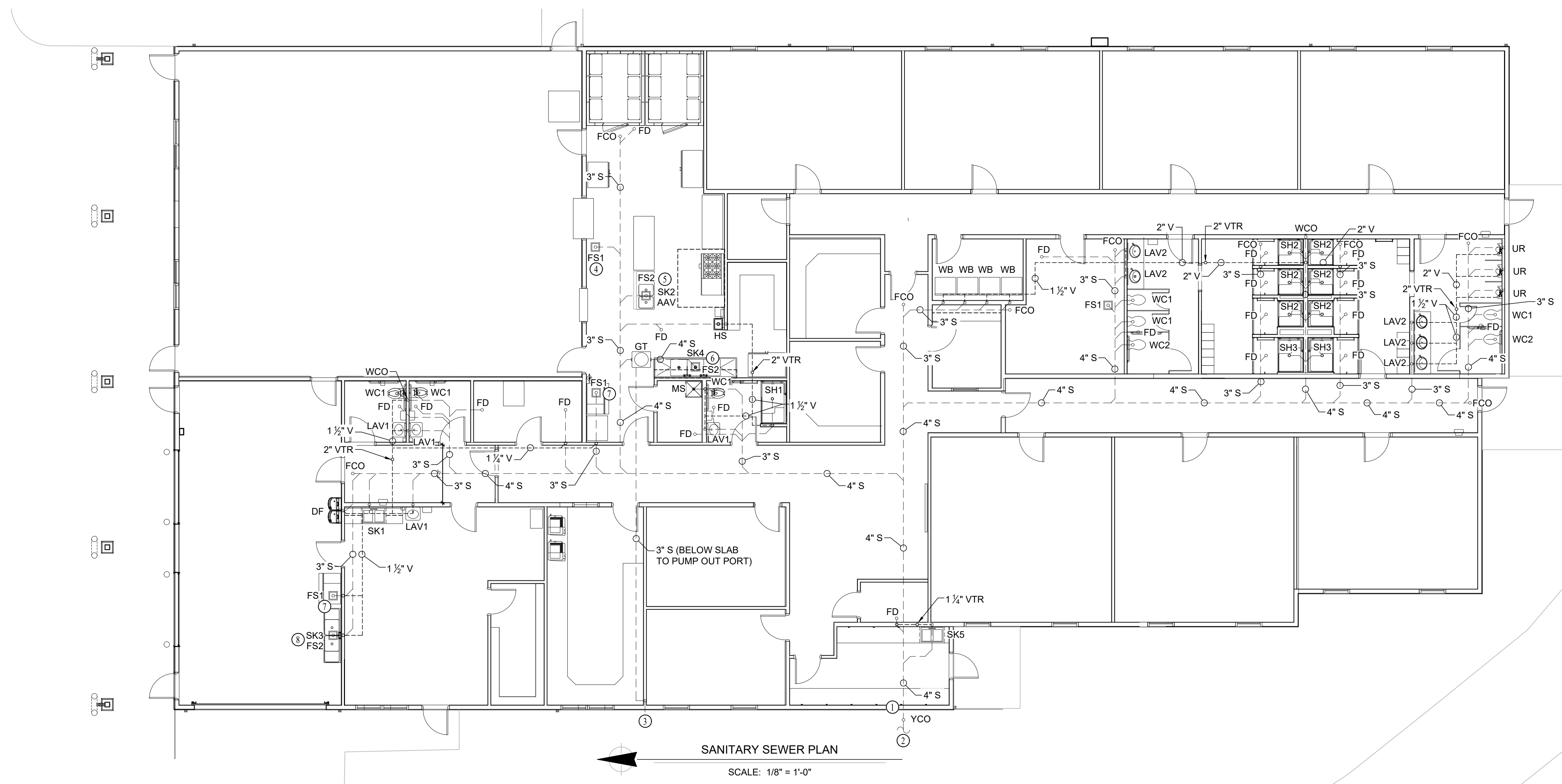
- SANITARY SEWER PIPING
- VENT PIPING
- > PIPING TURNED DOWN / TURNED UP
- * TIE INTO EXISTING

SANITARY SEWER PLAN GENERAL NOTES:

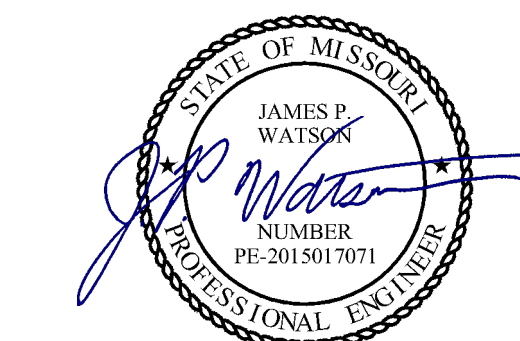
1. REFER TO P500 AND/OR P600 SERIES SHEETS FOR ADDITIONAL PLUMBING NOTES, DETAILS, REQUIREMENTS, AND SCHEDULES.
2. PLUMBING CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTS AND COORDINATE LOCATION OF ALL EQUIPMENT, PIPING, HANGERS / SUPPORTS, ETC. WITH HVAC AND ELECTRICAL TRADES BEFORE INSTALLATION OF ANY MATERIAL. ADDITIONAL COSTS ASSOCIATED WITH LACK OF COORDINATION WILL NOT BE REIMBURSED.

SANITARY SEWER PLAN KEY NOTES:

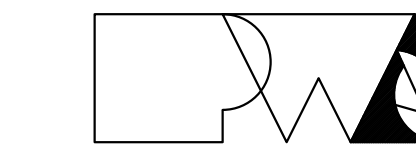
- ① MINIMUM DEPTH OF SANITARY AT BUILDING EXIT IS 36" BELOW SLAB.
- ② SEE SITE PLAN FOR CONTINUATION.
- ③ PUMP OUT PORT FOR GREASE TRAP 'GT' IN EXTERIOR WALL. INSTALL PER MANUFACTURERS RECOMMENDATION.
- ④ FLOOR SINK TO SERVE OWNER-PROVIDED SERVING TABLE. COORDINATE EXACT LOCATION WITH OWNER.
- ⑤ INDIRECTLY DRAIN 'SK2' TO FLOOR SINK WITH 1" AIR GAP.
- ⑥ INDIRECTLY DRAIN 'SK4' & (2) DISHWASHERS TO FLOOR SINK WITH 1" AIR GAP.
- ⑦ INDIRECTLY DRAIN ICE MACHINE TO FLOOR SINK WITH 1" AIR GAP.
- ⑧ INDIRECTLY DRAIN 'SK3' TO FLOOR SINK WITH 1" AIR GAP.



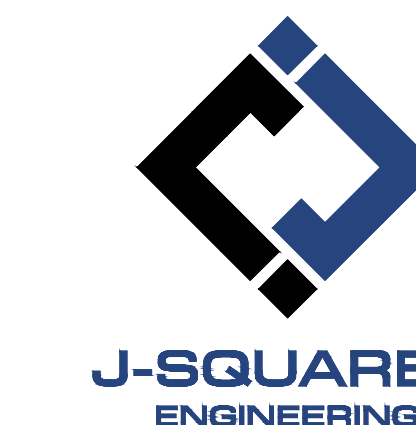
SANITARY SEWER PLAN
SCALE: 1/8" = 1'-0"



James Watson, P.E. September 19, 2025
PE-2015017071
MO Certificate of Authority # 2018029680



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



OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
J-SQUARED # J21328

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: J21328
DRAWN BY: NRP
CHECKED BY: JPW
DESIGNED BY: NRP

SHEET TITLE:
**SANITARY
SEWER PLAN**

SHEET NUMBER:

P101

52 OF 55 SHEETS
September 19, 2025

WATER & GAS PLAN SYMBOL LEGEND

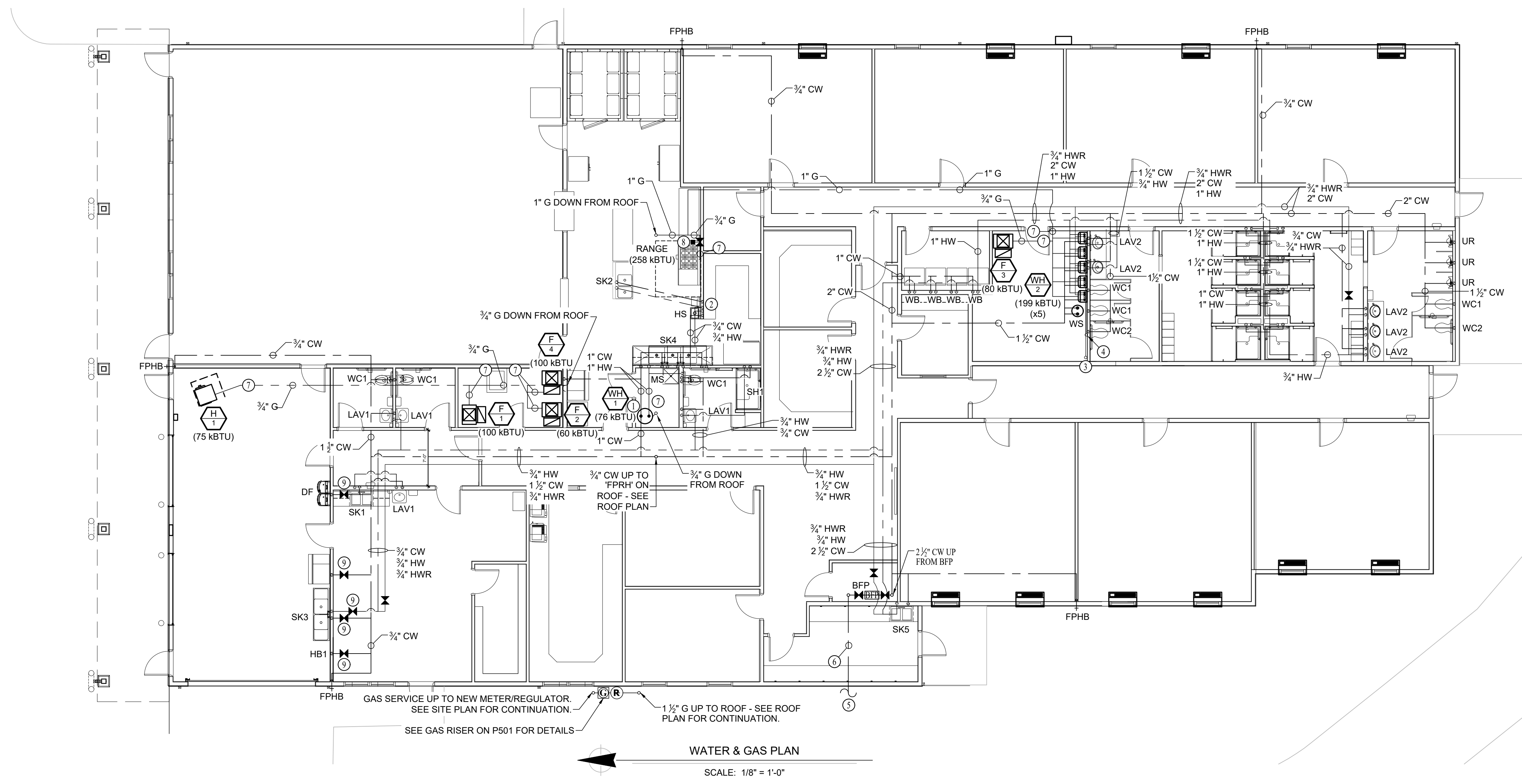
- — — COLD WATER LINE
- — — HOT WATER LINE
- — — HOT WATER RECIRCULATION LINE
- — — GAS LINE
- ⓐ GAS METER
- ✕ VALVE
- ⊙ PUMP
- ○ PIPING TURNED DOWN / TURNED UP
- ✕ TIE INTO EXISTING
- ⓐ PRESSURE REGULATOR (2 PSI 7-11" W.C.)

WATER & GAS PLAN GENERAL NOTES:

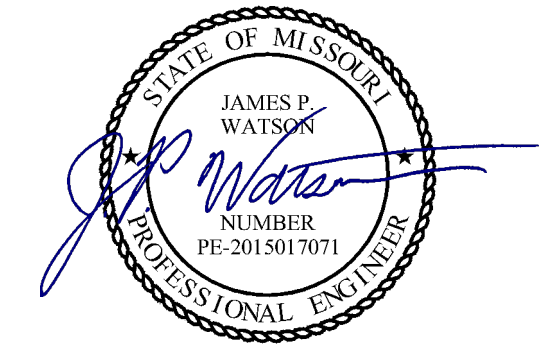
1. REFER TO P500 AND/OR P600 SERIES SHEETS FOR ADDITIONAL PLUMBING NOTES, DETAILS, REQUIREMENTS, AND SCHEDULES.
2. PLUMBING CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTS AND COORDINATE LOCATION OF ALL EQUIPMENT, PIPING, HANGERS / SUPPORTS, ETC. WITH HVAC AND ELECTRICAL TRADES BEFORE INSTALLATION OF ANY MATERIAL. ADDITIONAL COSTS ASSOCIATED WITH LACK OF COORDINATION WILL NOT BE REIMBURSED.
3. ALL WATER LINES ARE TO BE RUN ABOVE CEILINGS UNLESS OTHERWISE NOTED.

WATER & GAS PLAN KEY NOTES:

- ① CONCENTRIC VENT / FLUE FOR WATER HEATER UP THRU ROOF.
- ② 3/4" CW & HW DOWN IN WALL BELOW SLAB & UP TO SINK 'SK2'.
- ③ 6" COMMON VENT FOR (5) WH-2 WATER HEATERS UP THRU ROOF. VERIFY VENT PIPE SIZE WITH MANUFACTURER & INSTALL SYSTEM PER MANUFACTURERS RECOMMENDATION.
- ④ 4" COMMON INTAKE FOR (5) WH-2 WATER HEATERS UP THRU ROOF. VERIFY INTAKE PIPE SIZE WITH MANUFACTURER & INSTALL SYSTEM PER MANUFACTURERS RECOMMENDATION.
- ⑤ SEE SITE PLAN FOR CONTINUATION.
- ⑥ 6" COMBINATION FIRE & DOMESTIC CW UP FROM BELOW SLAB TO DOMESTIC & VERTICAL FIRE RISER - SEE P501 RISER FOR DETAILS. VERIFY FIRE LINE SIZE WITH SPRINKLER CONTRACTOR
- ⑦ INSTALL 2 PSI TO 7-11" W.C. VENTLESS REGULATOR & SHUTOFF VALVE PRIOR TO EQUIPMENT CONNECTION.
- ⑧ EMERGENCY SOLENOID GAS SHUTOFF BY HOOD SUPPRESSION PROVIDER.
- ⑨ INSTALL SHUTOFF VALVES ABOVE CEILING ON WATER LINES FEEDING WATER FIXTURES IN GARAGE.

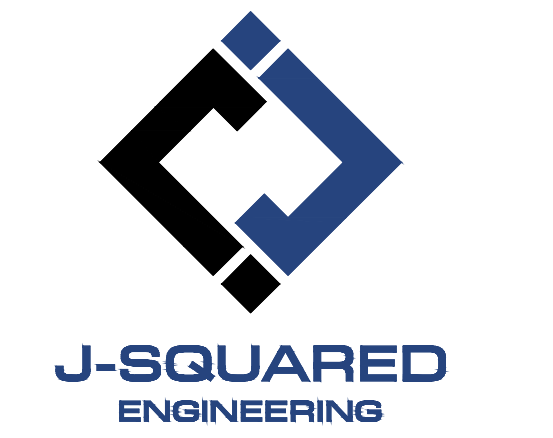


WATER & GAS PLAN
SCALE: 1/8" = 1'-0"



James Watson, P.E. September 19, 2025
PE-2015017071
MO Certificate of Authority # 2018029680

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



OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
J-SQUARED # J21328

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

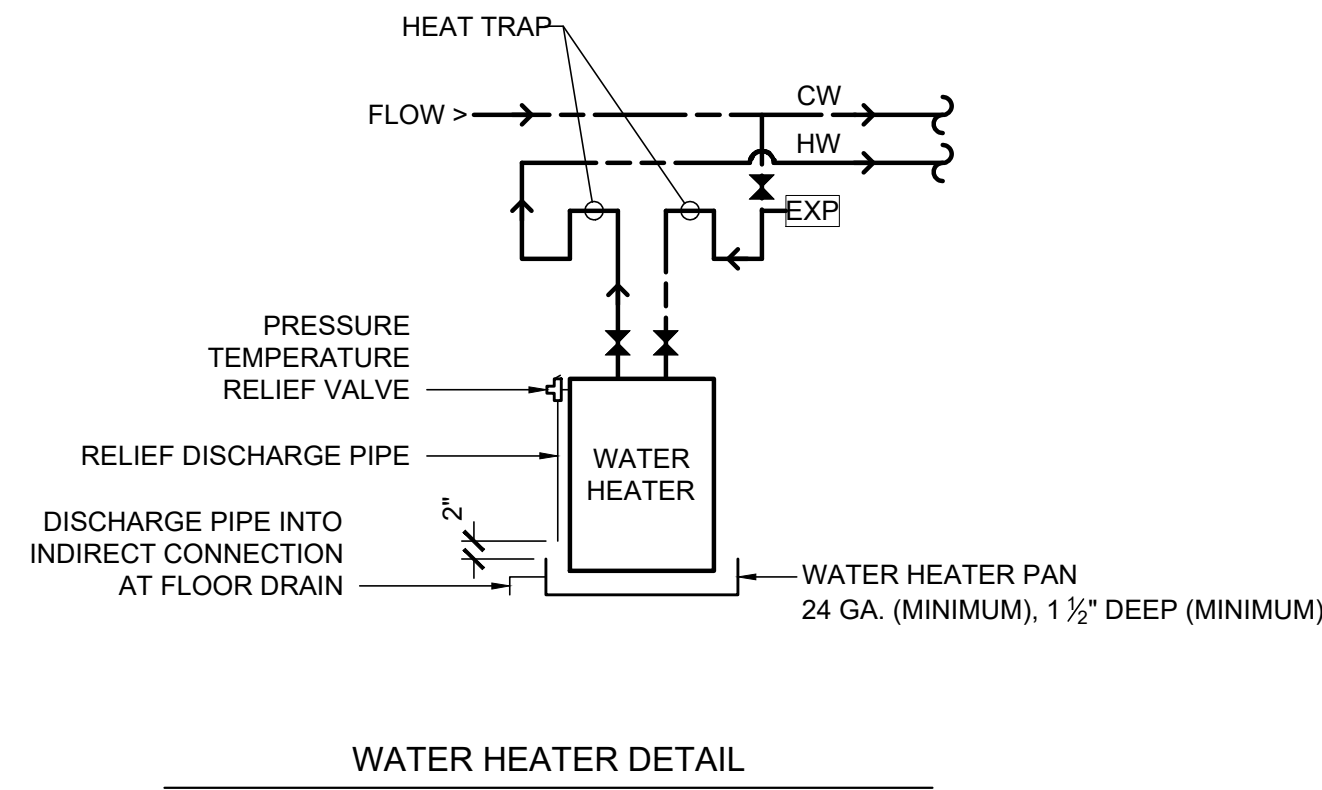
CAD DWG FILE: J21328
DRAWN BY: NRP
CHECKED BY: JPW
DESIGNED BY: NRP

SHEET TITLE:
WATER & GAS PLAN

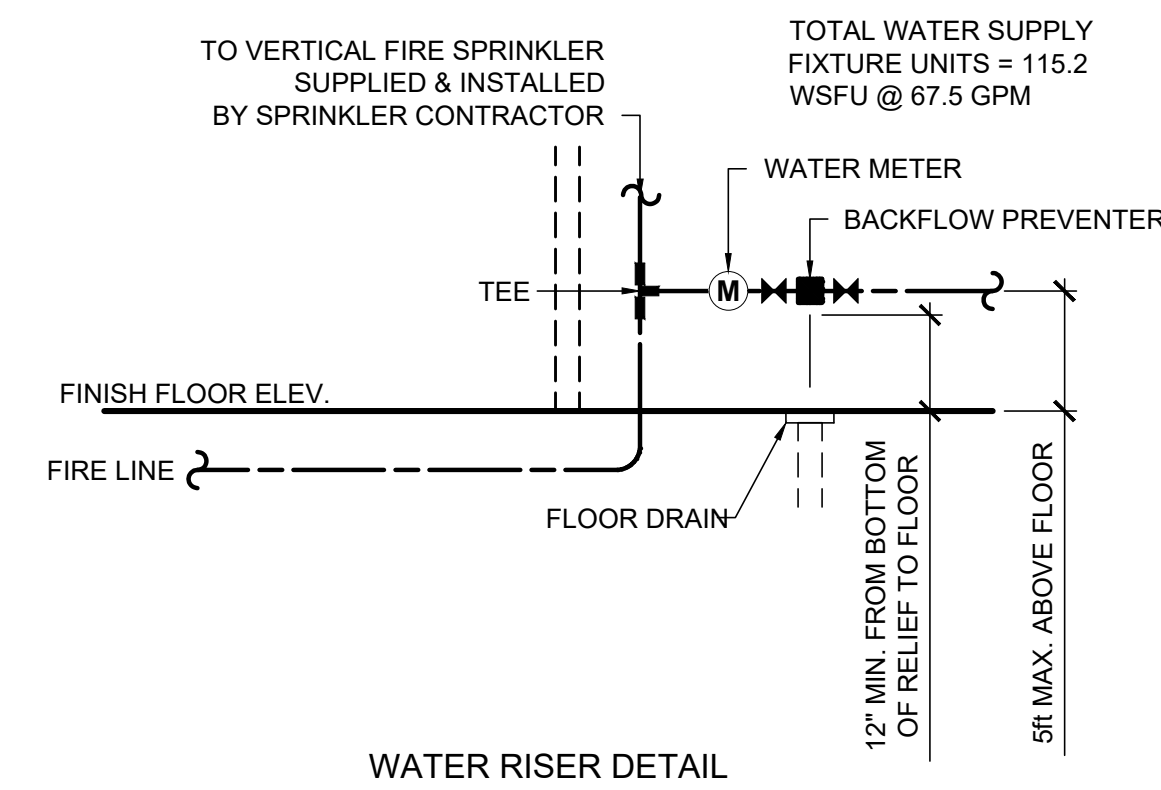
SHEET NUMBER:
P102
53 OF 55 SHEETS
September 19, 2025

PLUMBING SPECIFICATIONS

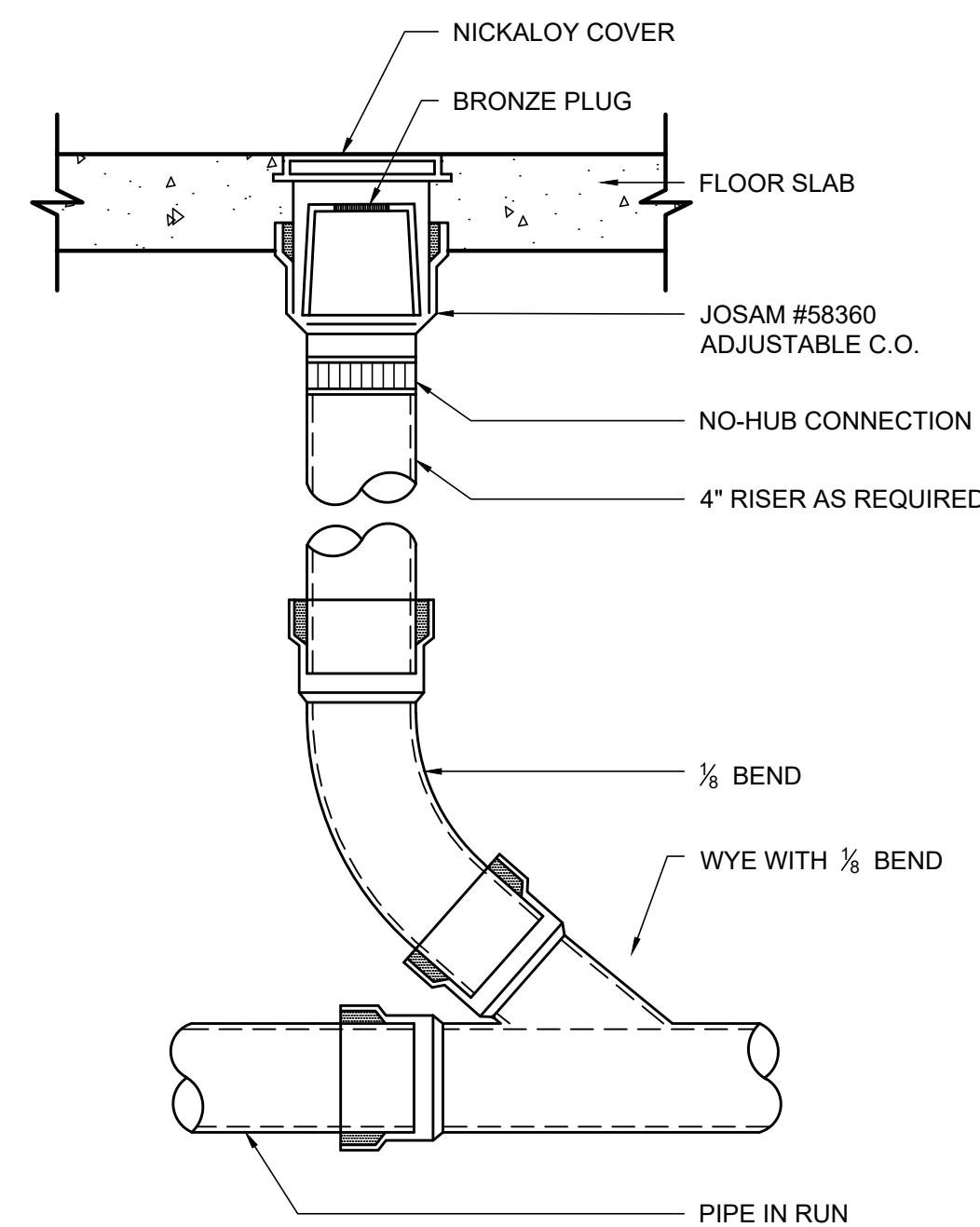
- 1. GENERAL**
 - 1.1. PLUMBING CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL ESCUTCHEONS, 1/4 TURN STOPS, P-TRAPS, AND SUPPLY LINES TO PROVIDE A COMPLETE SYSTEM AT EACH FIXTURE INDICATED ON PLANS UNLESS NOTED OTHERWISE.
 - 1.2. ALL PLUMBING SYSTEMS SHALL BE INSTALLED LEVEL, PLUMB, AND PARALLEL/PERPENDICULAR TO BUILDING ORIENTATION WHERE POSSIBLE.
 - 1.3. COORDINATE ALL PIPING INSTALLATIONS WITH STRUCTURAL GRADE BEAMS, FOOTINGS, COLUMN PIERS, ETC. SLEEVE PIPING THRU STRUCTURAL ELEMENTS AS NECESSARY. VERIFY WITH STRUCTURAL ENGINEER.
 - 1.4. VERIFY ALL UTILITY CONNECTION POINTS WITH PROPOSED PLUMBING LAYOUTS PRIOR TO BEGINNING WORK.
 - 1.5. CLEAN ALL PLUMBING FIXTURES AND CHANGE FAUCET AERATORS AND SINK STRAINERS AT PROJECT COMPLETION PRIOR TO TURNING OVER TO OWNERSHIP.
- 2. EQUIPMENT / FIXTURES**
 - 2.1. ALL EQUIPMENT AND/OR FIXTURES MUST MEET OR EXCEED THE PERFORMANCE, FUNCTIONAL INTENT, AND AESTHETICS AS MODELS SPECIFIED ON PLANS. WHERE SPECIFIC MANUFACTURERS AND/OR MODELS ARE INDICATED ON PLANS OR WITHIN SCHEDULES, CONTRACTOR TO PROVIDE MODEL INDICATED OR APPROVED EQUAL. VERIFY SUBSTITUTION APPROVAL PRIOR TO PURCHASE OR INSTALLATION OF EQUIPMENT.
 - 2.2. CONTRACTOR TO SUPPLY SUBMITTALS FOR ALL EQUIPMENT FOR REVIEW BY ARCHITECT AND ENGINEER. FORMAL APPROVAL SHALL BE RECEIVED BY CONTRACTOR PRIOR TO EQUIPMENT PURCHASE.
 - 2.3. CONTRACTOR TO SHARE APPROVED EQUIPMENT SUBMITTALS WITH ANY PERTINENT ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTORS WITHIN TWO WEEKS OF RECEIVING APPROVED SUBMITTALS FROM ARCHITECT/ENGINEER.
- 3. SANITARY**
 - 3.1. BELOW AND ABOVE GRADE WASTE AND VENT PIPING IN BUILDING TO BE SOLID CORE SCHEDULE 40 PVC LISTED FOR DWV APPLICATIONS.
 - 3.2. NO WASTE OR VENT PIPING INSTALLED BELOW GRADE SHALL BE SMALLER THAN 2".
 - 3.3. MINIMUM SLOPES FOR WASTE PIPING (UNLESS NOTED OTHERWISE ON PLANS):
 - 3.3.1. 2 1/2" OR LESS DIAMETER: 1/4" PER FOOT
 - 3.3.2. 3" TO 6" DIAMETER: 1/8" PER FOOT
 - 3.4. ACCESSIBLE FULL PIPE SIZE CLEANOUTS SHALL BE PROVIDED & INSTALLED ON BUILDING SANITARY LINES AT LOCATIONS SHOWN ON PLANS, AT INTERVALS OF NO MORE THAN 100' AT EVERY CHANGE IN DIRECTION GREATER THAN 45°, AND AT THE BASE OF EACH WASTE STACK.
 - 3.5. ALL VENT PIPE TERMINATIONS SHALL BE LOCATED EITHER 10' HORIZONTALLY OR 3' ABOVE MECHANICAL AIR INTAKE LOCATIONS. TERMINATIONS SHALL NOT BE INSTALLED UNDER ANY OPERABLE BUILDING OPENING OR OPERABLE ADJACENT BUILDING OPENING. CONTRACTOR TO OFFSET VENT PIPING AS NECESSARY TO MEET THESE REQUIREMENTS.
- 4. DOMESTIC WATER**
 - 4.1. ALL DOMESTIC WATER PIPING TO BE COPPER AND SHALL CONFORM TO NSF 61 AND BE LISTED FOR USE IN POTABLE WATER SYSTEMS.
 - 4.1.1. COPPER WATER PIPING BELOW GRADE SHALL BE TYPE "K". BELOW GRADE JOINTS SHALL BE SILVER SOLDERED. THERE SHALL BE NO JOINTS IN WATER PIPING LOCATED BENEATH BUILDING SLAB.
 - 4.1.2. COPPER WATER PIPING ABOVE GRADE SHALL BE TYPE "L".
 - 4.2. PROVIDE WATER HAMMER ARRESTORS AT ALL QUICK-CLOSE VALVES. FIXTURES REQUIRING WATER HAMMER ARRESTORS INCLUDE BUT ARE NOT LIMITED TO FLUSH VALVES, AND WASHING MACHINE BOXES. AIR CHAMBERS SHALL NOT BE PERMITTED.
 - 4.3. ALL DOMESTIC WATER PIPING SHALL BE ROUTED WITHIN BUILDING THERMAL ENVELOPE AND WITHIN WALL CAVITIES. ABOVE FINISHED CEILINGS, OR BELOW SLAB TO REMAIN CONCEALED UNLESS OTHERWISE NOTED. NOTIFY ENGINEER OF ANY NECESSARY ADJUSTMENTS THAT REQUIRE PIPING TO BE EXPOSED.
- 5. GAS PIPING**
 - 5.1. GAS PIPING SHALL BE INSTALLED LEVEL, PLUMB, AND PARALLEL OR PERPENDICULAR TO BUILDING ORIENTATION WHERE POSSIBLE.
 - 5.2. QUARTER-TURN FULL-PORT SHUTOFF VALVES SHALL BE INCLUDED AT EACH APPLIANCE CONNECTION, AS WELL AS AN IN-LINE REGULATOR FROM DELIVERY PRESSURE TO APPLIANCE OPERATING PRESSURE IF REQUIRED. INCLUDE SEDIMENT TRAPS PER IFGC REQUIREMENTS.
 - 5.3. PIPE JOINTS SHALL BE THREADED WITH CLASS 150 FITTINGS, OR WELDED. NOTIFY OWNER/GC OF ANY NECESSARY HOT-WORK ASSOCIATED WITH WELDED CONNECTIONS.
 - 5.4. WHERE PIPING IS EXPOSED ON EXTERIOR FACE OF BUILDING, PAINT TO MATCH BUILDING. PAINT YELLOW IN ALL OTHER LOCATIONS.
 - 5.5. ON ROOFTOPS, INSTALL GAS PIPE WITH "ROOFTOP BLOX" PER MANUFACTURER'S INSTRUCTION.



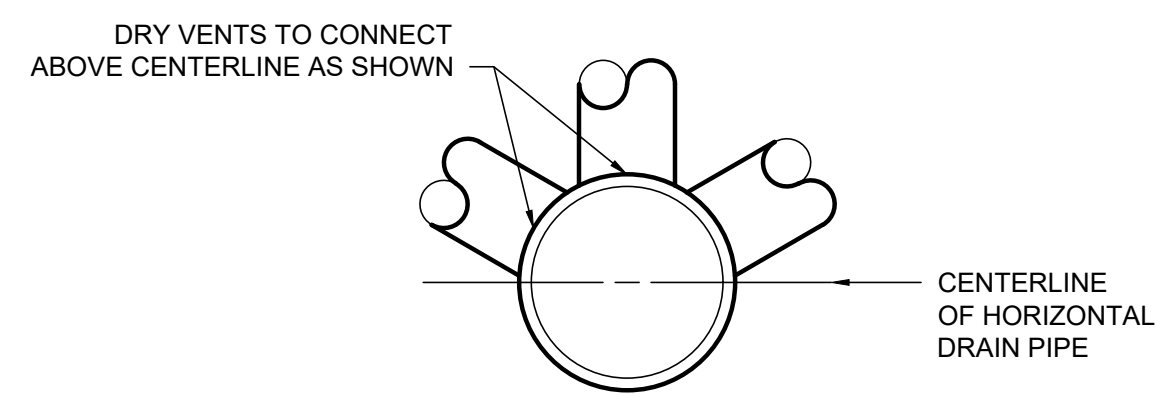
WATER HEATER DETAIL



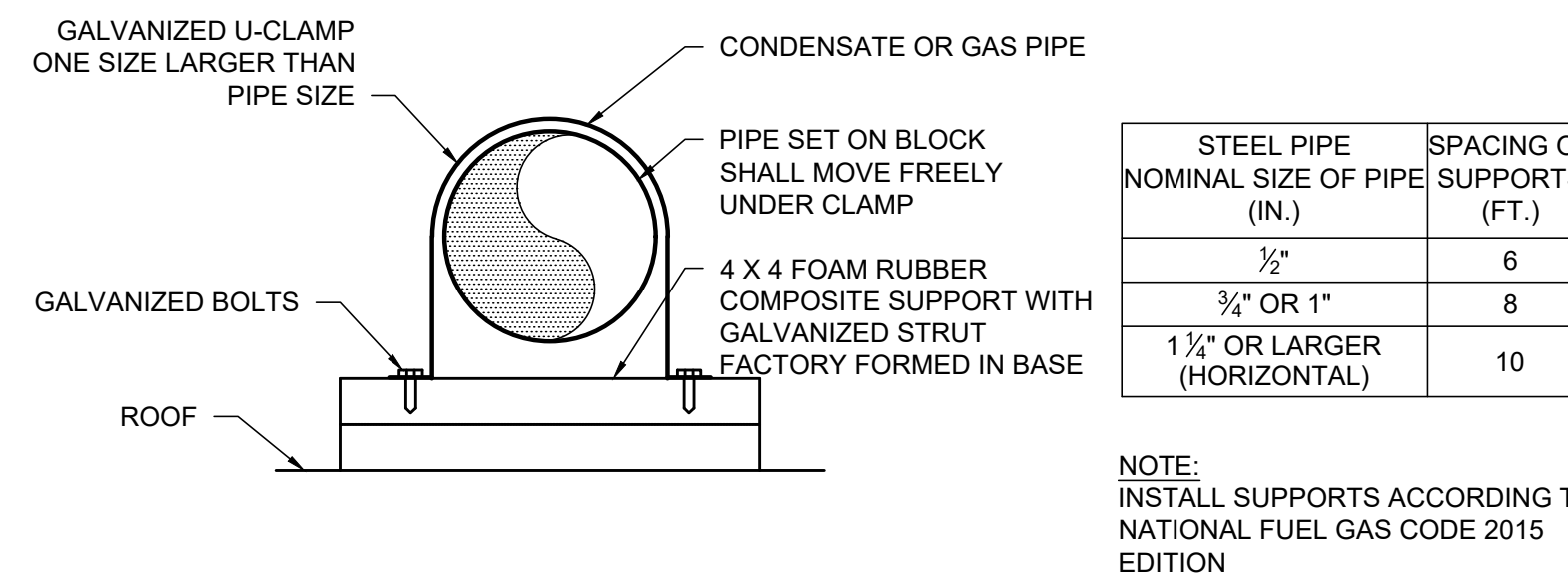
WATER RISER DETAIL



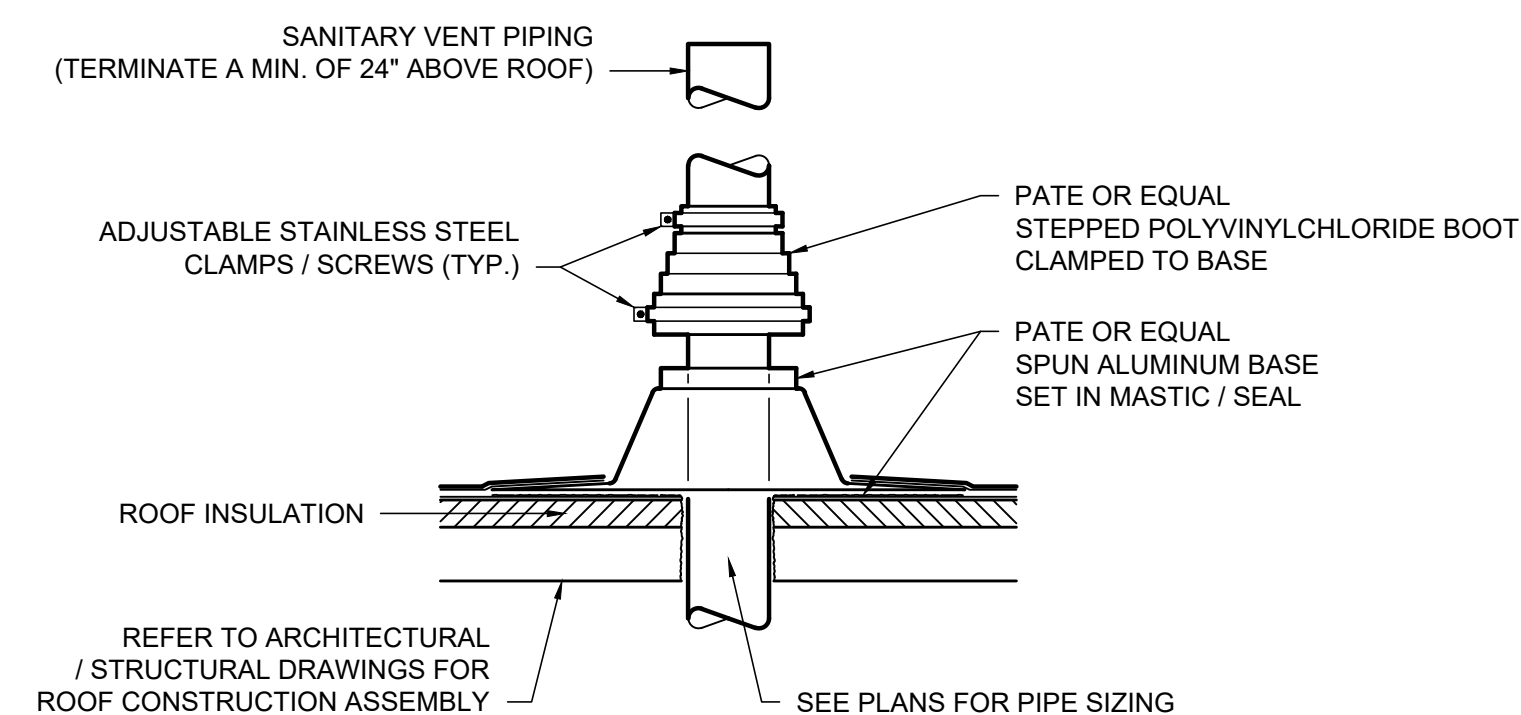
INTERIOR C.O. DETAIL



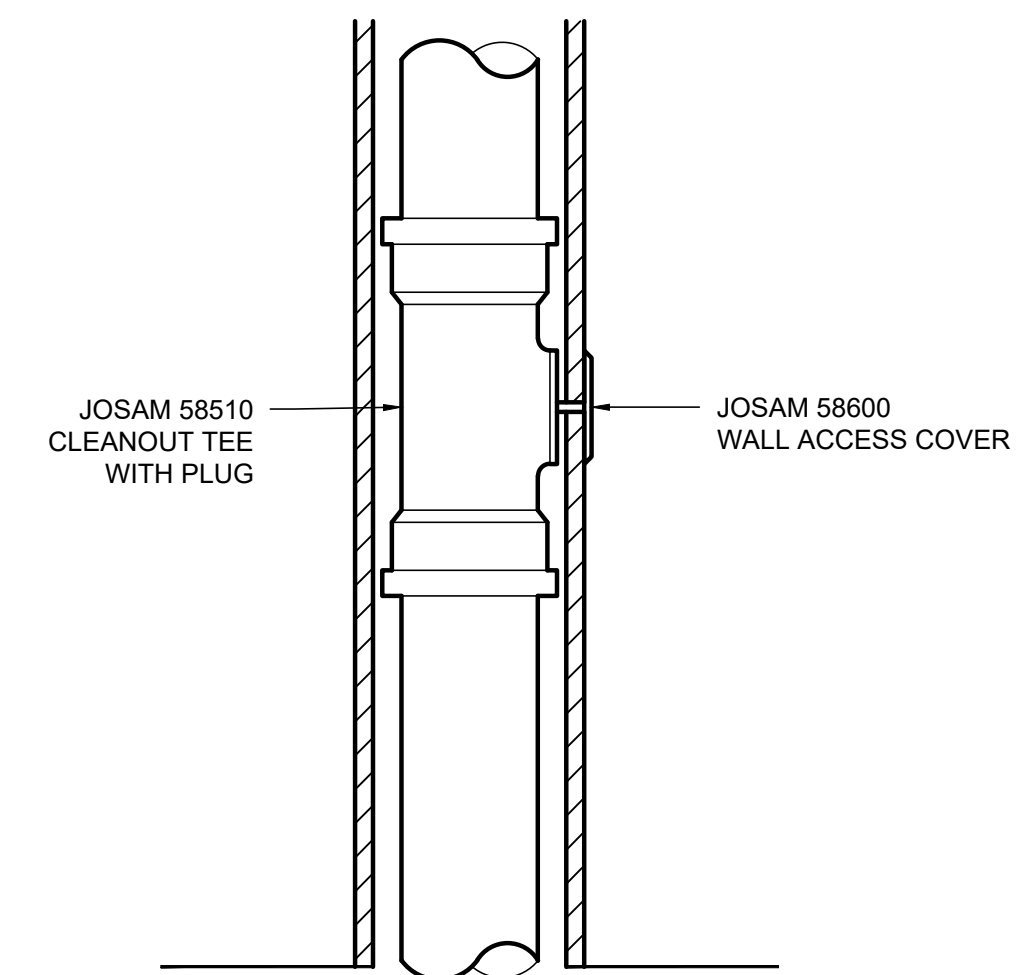
DRY VENT DETAIL



PIPE SUPPORT DETAIL



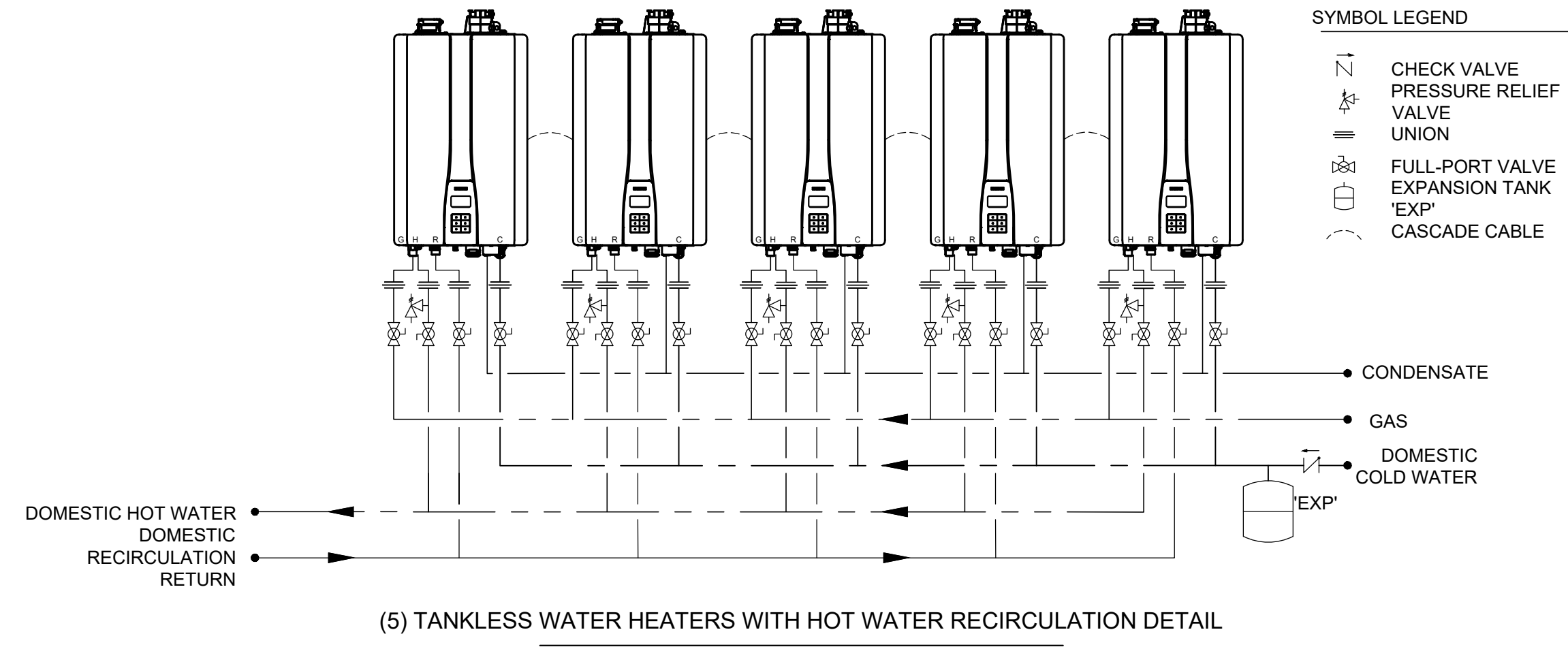
SANITARY VENT THRU ROOF DETAIL



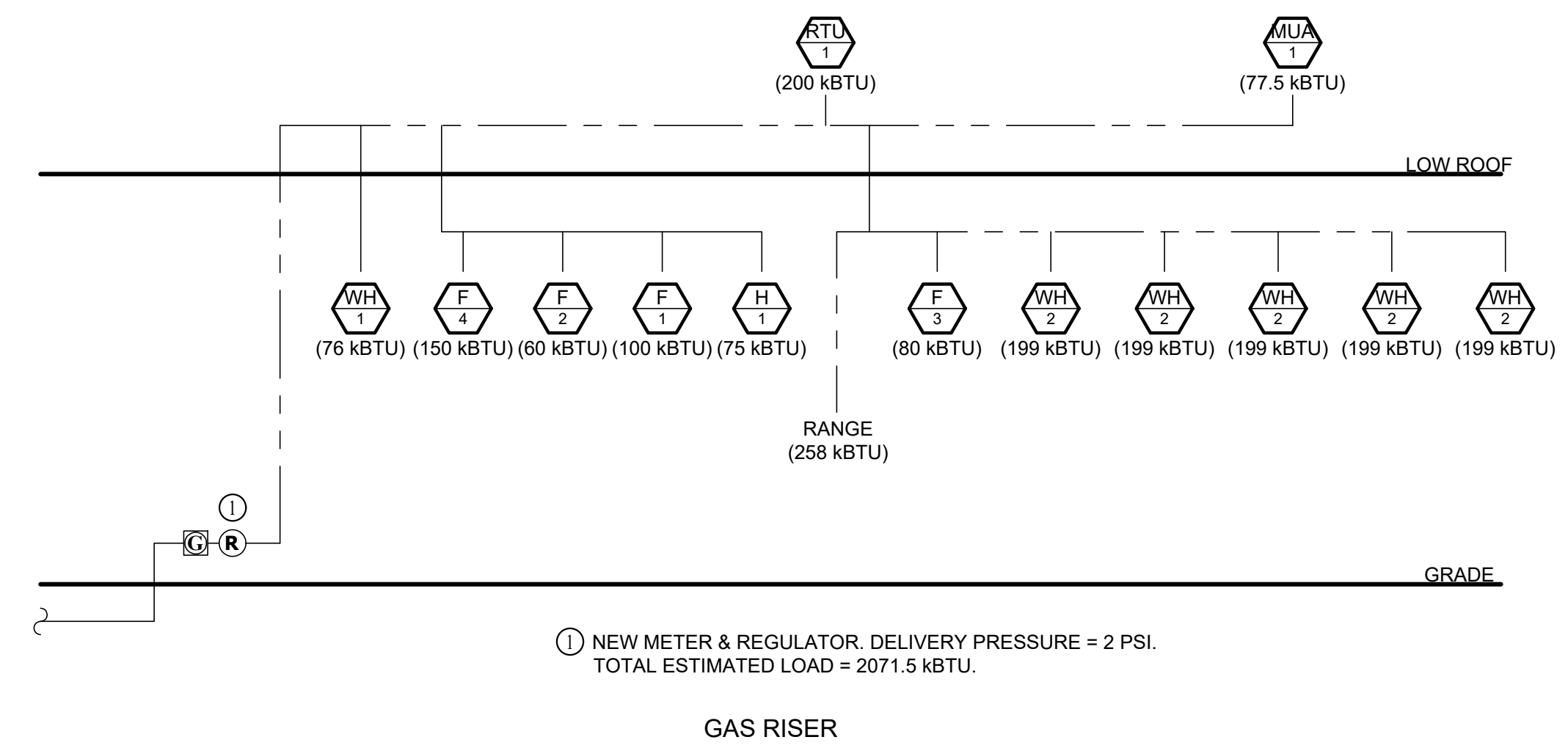
NOTES:

1. PROVIDE AT BASE OF EACH MULTIPLE FIXTURE STACK
2. REQUIRED ON STORM DOWNSPOUTS
3. COORDINATE LOCATION WITH ARCHITECT PRIOR TO ROUGH IN

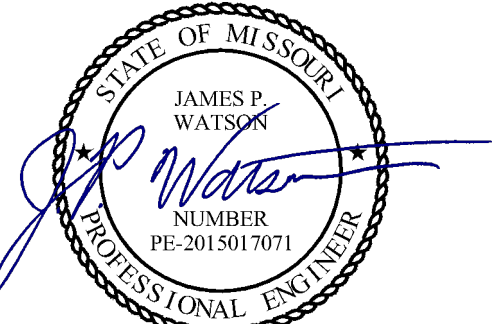
WALL CLEANOUT DETAIL (STORM AND SANITARY)



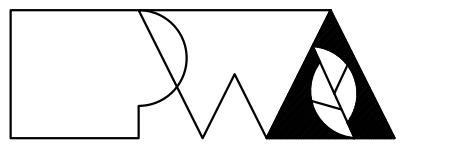
(5) TANKLESS WATER HEATERS WITH HOT WATER RECIRCULATION DETAIL



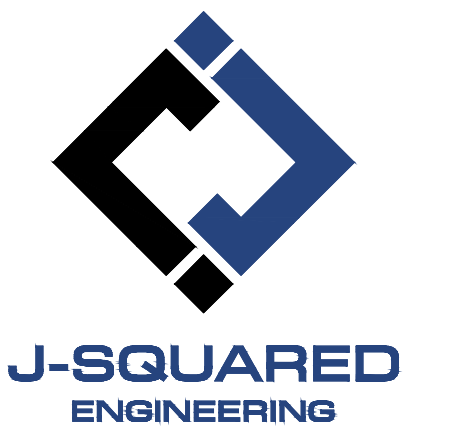
GAS RISER



James Watson, P.E. September 19, 2025
PE-2015017071
MO Certificate of Authority # 2018029680



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



OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
J-SQUARED # J21328

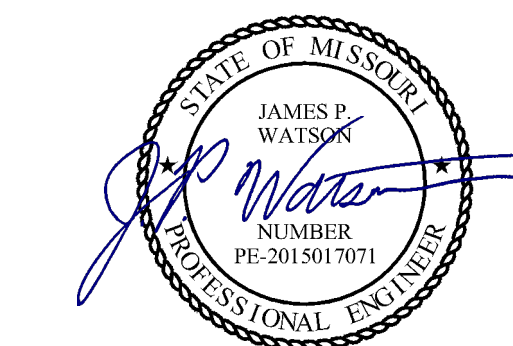
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/19/2025

CAD DWG FILE: J21328
DRAWN BY: NRP
CHECKED BY: JPW
DESIGNED BY: NRP

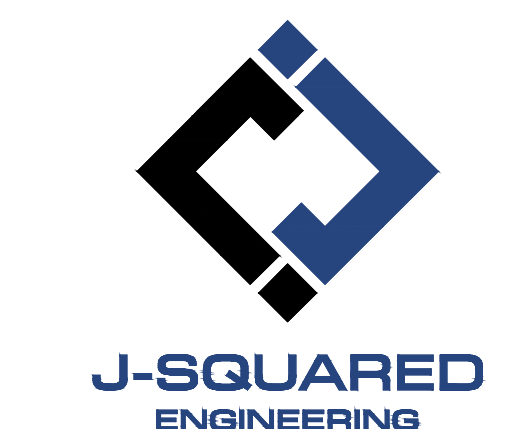
SHEET TITLE:
**PLUMBING
DETAILS**

SHEET NUMBER:

P501



James Watson, P.E. September 19, 2025
PE-2015017071
MO Certificate of Authority # 2018029680



OFFICE OF
ADMINISTRATION
DIVISION OF
FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

NEW FIRE STATION
MISSOURI STATE FAIR
SEDALIA, MISSOURI

PROJECT # F2405-01
SITE # 1501
FACILITY # 3511501027
J-SQUARED # J21328

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

ISSUE DATE: 09/19/2025

CAD DWG FILE: J21328
DRAWN BY: NRP
CHECKED BY: JPW
DESIGNED BY: NRP

SHEET TITLE:

PLUMBING
SCHEDULES

SHEET NUMBER:

P601

55 OF 55 SHEETS
September 19, 2025

PLUMBING FIXTURE SCHEDULE				
TAG	DESCRIPTION	MANUFACTURER (OR EQUAL)	MODEL (OR EQUAL)	NOTES
AAV	AIR ADMITTANCE VALVE	OATEY	39020	1.5" - 6 DFU MAX
BFP	BACKFLOW PREVENTER	WILKINS	375	RP2 - 2.5"
DF	DRINKING FOUNTAIN	ELKAY	LZ5TL8WSLK	HIGH / LOW WITH BOTTLE FILLER
EXP	EXPANSION TANK	WATTS	PLT-5	
FCO	FLOOR CLEANOUT	-	-	SEE DETAIL P501
FD	FLOOR DRAIN	ZURN	Z415-BZ	WITH Z1072 TRAP SEAL
FPHB	FROST PROOF HOSE BIB	WOODFORD	MODEL 67	
FPRH	FROST PROOF ROOF HYDRANT	WOODFORD	SRH-MS	
FS1	FLOOR SINK	SILOUX CHIEF	861-3P3	
FS2	FLOOR SINK	SILOUX CHIEF	861-4P2	WITH 861-UM STAINLESS MESH DEBRIS BASKET
GT	GREASE TRAP	SCHIER	GB1	INSTALL IN SLAB WITH PUMP OUT KIT PP1
HB	HOSE BIB	JR SMITH	5670-H	INTERIOR HOSE BIB WITH VACUUM BREAKER
HS	HAND SINK	ELKAY	EHS-18X	FAUCET INCLUDED WITH 1/4 TURN STOPS, BRAIDED STAINLESS STEEL SUPPLIES, TRUBRO LAV GUARD 2 & TMV
LAV1	LAVATORY (WALL HUNG W/ MANUAL FAUCET)	AMERICAN STANDARD	0355.012	WITH ZURN Z81104-XL FAUCET, 1/4 TURN STOPS, BRAIDED STAINLESS STEEL SUPPLIES, TRUBRO LAV GUARD 2 & CARRIER
LAV2	LAVATORY (SOLID SURFACE INTEGRAL BOWL W/ MANUAL FAUCET)	ZURN	Z81104-XL	WITH 1/4 TURN STOPS, AND BRAIDED STAINLESS STEEL SUPPLIES
MS	MOP SINK	FIAT	MSB2424	WITH ZURN Z843M1 FAUCET WITH WALL HOOK
SH1	ADA SHOWER (60x34)	AQUATIC	1603BFSB	COMPLETE WITH SEAT, GRAB BARS & SHOWER HEAD
SH2	SHOWER (36x36)	AQUATIC	1363BFRF	COMPLETE WITH SEAT, GRAB BARS & SHOWER HEAD
SH3	ADA SHOWER (46x36)	AQUATIC	1483BFSB	COMPLETE WITH SEAT, GRAB BARS & SHOWER HEAD
SK1	DOUBLE COMPARTMENT SINK	ELKAY	CR3322	WITH TWO HANDLED ZURN Z871C4-XL FAUCET
SK2	2 BASIN PREP SINK	-	-	SINK PROVIDED BY OWNER & INSTALLED BY CONTRACTOR; WITH TWO HANDLED 8" CENTERSET ELKAY LK940AT12T4H FAUCET, 1/4 TURN STOPS, BRAIDED STAINLESS STEEL SUPPLIES BY CONTRACTOR.
SK3	2 BASIN GARAGE SINK	REGENCY	60052181818G	WITH TWO HANDLED 8" CENTERSET ELKAY LK940AT12T4H FAUCETS, 1/4 TURN STOPS, BRAIDED STAINLESS STEEL SUPPLIES
SK4	3 BASIN KITCHEN SINK	REGENCY	60053232324G	WITH (2) TWO HANDLED 8" CENTERSET ELKAY LK940AT12T4H FAUCETS, 1/4 TURN STOPS, BRAIDED STAINLESS STEEL SUPPLIES
SK5	DOUBLE COMPARTMENT SINK	ELKAY	CR3322	WITH TWO HANDLED ZURN Z871C4-XL FAUCET
TMV	THERMOSTATIC MIXING VALVE - POINT OF USE	WATTS	LFUSG	
UR	URINAL - MANUAL FLUSH	AMERICAN STANDARD	6550.001	WITH ZURN Z6003AV-WS1 MANUAL FLUSH VALVE (1.0 GPM/FLUSH)
WB	WASHER BOX	OATEY	38529	WASHER BOX W/ 1/4 TURN VALVES
WC1	WATER CLOSET - STANDARD HEIGHT - MANUAL FLUSH VALVE	AMERICAN STANDARD	2234.001	WITH ZURN Z6000AV-WS1 MANUAL FLUSH VALVE (1.6 GPM/FLUSH) AND CHURCH 9500SSCT SELF SUSTAINING SEAT
WC2	WATER CLOSET - ADA HEIGHT - MANUAL FLUSH VALVE	AMERICAN STANDARD	3043.001	WITH ZURN Z6000AV-WS1 MANUAL FLUSH VALVE (1.6 GPM/FLUSH) AND CHURCH 9500SSCT SELF SUSTAINING SEAT
WCO	WALL CLEAN OUT	-	-	SEE DETAIL P501
WH1	WATER HEATER	RUUD	GHE50SU-76	76 kBTU, 50 GAL, WITH CONCENTRIC VENT
WH2	WATER HEATER (TANKLESS)	NAVIEN	NPE-240A2	199 kBTU WITH COMMON VENT COLLAR
WS	WATER SOFTENER	CULLIGAN	HE1.5 090-DF	
YCO	YARD CLEAN OUT	ZURN	Z1400	

NOTES:
1. VERIFY NECESSARY FIXTURES MEET ADA REQUIREMENTS WITH ARCHITECT PRIOR TO INSTALLATION.
2. VERIFY FIXTURE FINISHES WITH OWNER / ARCHITECT.

PLUMBING CONNECTION SIZING SCHEDULE					
FIXTURE	TYPICAL ABBREVIATION	SANITARY PIPING		SUPPLY PIPING	
		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	HS / SK	2"	1-1/4"	1/2"	1/2"
HOSE BIBB	HB	-	-	3/4"	-
LAVATORY	LAV	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"
URINAL	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