

Press Room Addition

PACKAGING
SPECIALTIES,
INC.

1755 S. Armstrong Ave
Fayetteville, Arkansas

DESIGN-BUILDER
NABHOLZ
Construction Services

3301 N. Second St.
Rogers, AR 72756
Owner's Representative, CONTACT
Chris Moore
Ph. 479 659-7800
e. chris.moore@nabholz.com



Press Room Addition

OWNER

Packaging Specialties, LLC
1663 S. Armstrong Ave
Fayetteville, AR 72701
Owner's Representative,
Heath Biggs
Ph. 479 521-2580
e. heath.biggs@psi-pac.com



CIVIL ENGINEER

OWNER HAS SEPARATE Contract w/ CIVIL ENGINEER



1580 E. Stearns St.
Fayetteville, AR 72703
Project Representative,
Eric Bartels, PLA
Ph. 479 442-2377
e. ebartels@mce.us.com

MEP ENGINEER



PRIGM ENGINEERING
310 W. Dickson St., Suite 210
Fayetteville, AR 72701
Jason Mowery, P.E.
Ph. 479 877-3188
e. jason.mowery@prigm.com

STRUCTURAL ENGINEER



Miller Engineering, PC
3831 S. Timbercreek Ave., Suite A
Springfield, MO 65807-5685
Telephone 417-866-6664
Fax 417-866-6667 Travis Miller, Project Engineer

ARCHITECT



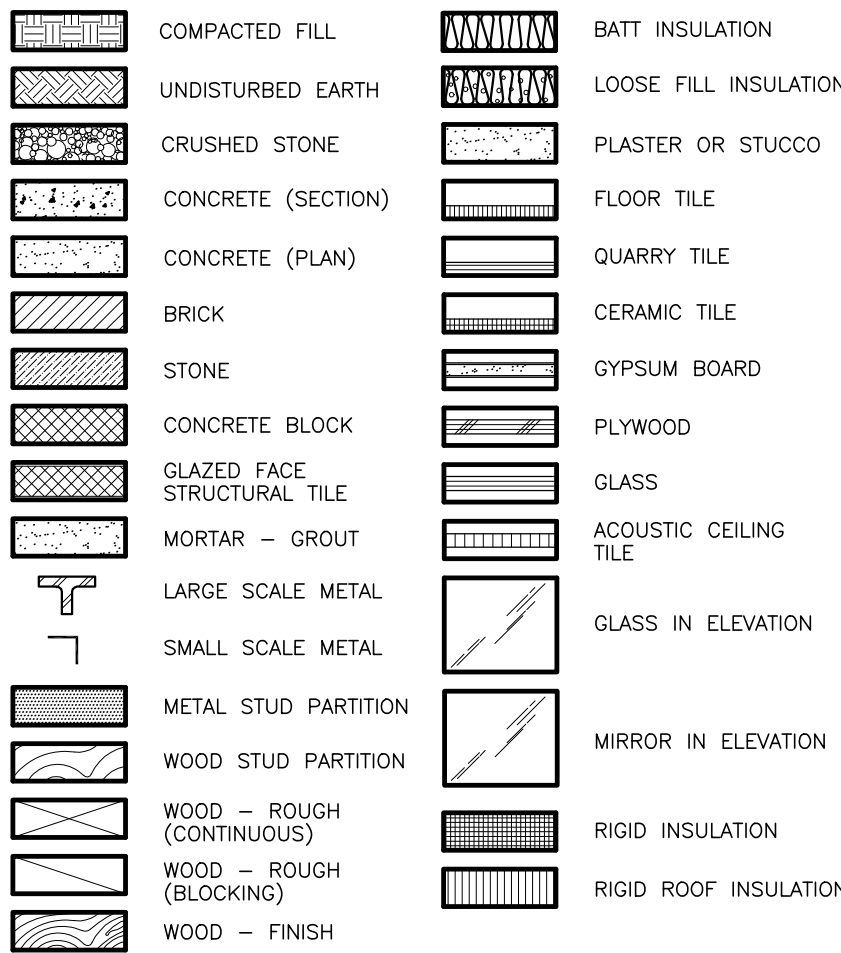
921 S. Oakhill Ste.1
Rogers, AR 72758
479.631.8817 O.
479.531.9976 C.
dan@dt-architect.com

ABBREVIATIONS

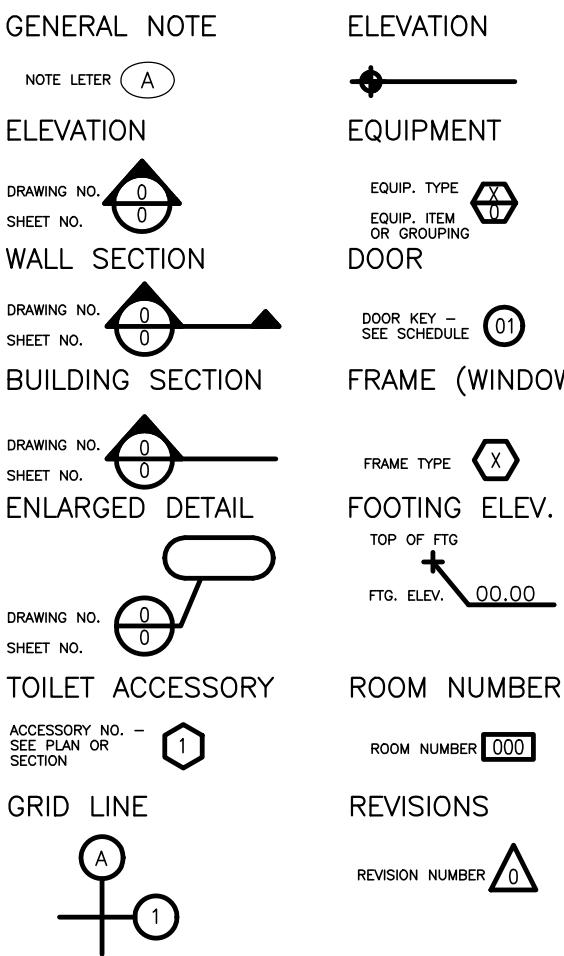
ARFF ABOVE REFERENCE FINISH
BM. BEAM
BRFF BELOW REFERENCE FINISH
C.J. FLOOR CONTROL JOINT
EL. ELEVATION
E.J. EXPANSION JOINT
FDN. FOUNDATION
F.F. FINISH FLOOR
FTG. FOOTING
G.C. GENERAL CONTRACTOR
J.B.E. JOIST BEARING ELEVATION
MBM METAL BUILDING MANUFACTURER
N.I.C. NOT IN CONTRACT
N.T.S. NOT TO SCALE
R.D. ROOF DRAIN
RTU. ROOF TOP UNIT
SIM. SIMILAR
S.J. SAWED JOINT
STD. STANDARD
T.O.B. TOP OF BEAM
T.O.C. TOP OF CURB
T.O.F. TOP OF FOOTING
T.W. THICKENED SLAB
TYP. TYPICAL
V.C.J. VERTICAL CONTROL JOINT
V.T.R. VENT THRU ROOF

--- BAR JOIST
--- ANGLE
--- BEAM

MATERIALS LEGEND



SYMBOLS KEY



DRAWING INDEX

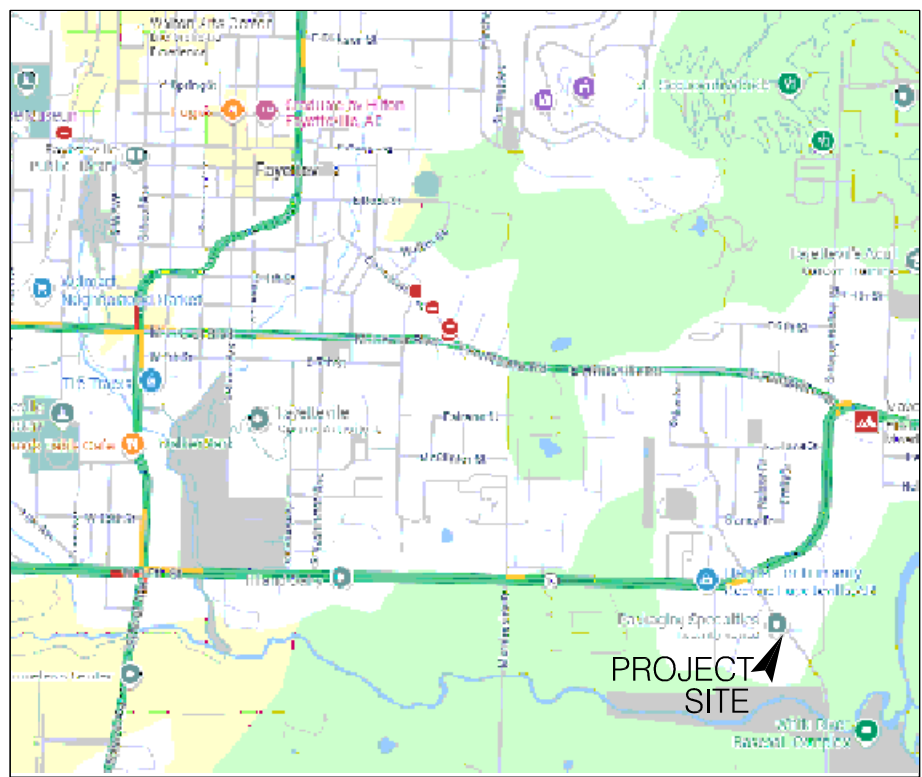
CS.1 CITY OF FAYETTEVILLE CODE SHEET
LIFE SAFETY-CODE PLAN
ARCHITECTURAL
A1.0 OVERALL FACILITY PLAN
A1.1 ENLARGED PLAN AT ADDITION, NOTES
A1.2 ROOF PLAN
A2.1 REFLECTED CEILING PLAN
A3.1 FINISH, DOOR SCHEDULE
A3.2 TOILET PLAN, ELEVATIONS
A4.1 EXTERIOR BUILDING ELEVATIONS
A5.1 BUILDING SECTIONS
A6.1 WALL SECTIONS
A6.2 WALL SECTIONS
A6.3 WALL SECTIONS
STRUCTURAL
S0.0 GENERAL NOTES
S1.0 FOUNDATION PLAN, FOOTING SCHED
S2.0 FOUNDATION DETAILS
PLUMBING
P0.0 PLUMBING NOTES, LEGENDS, SYMB
P1.0 PLUMBING SCHEDULES
P2.0 PLUMBING PLANS
P3.0 PLUMBING PLANS
P4.0 PLUMBING DETAILS
P6.0 PLUMBING SPECIFICATIONS

MECHANICAL
M0.0 MECHANICAL NOTES, LEGENDS
M1.0 MECHANICAL SCHEDULES
M2.0 MECHANICAL PLAN
M3.0 MECHANICAL ROOF PLAN
M4.0 MECHANICAL DETAILS, CONTROLS
M4.1 MECHANICAL DETAILS, CONTROLS
M5.0 MECHANICAL SPECIFICATIONS
ELECTRICAL
E0.0 ELECTRICAL SPECIFICATIONS
E0.1 ELECTRICAL NOTES, SYMBOLS
E0.2 ELECTRICAL OVERALL PLAN
E1.0 ELECTRICAL POWER PLAN
E1.1 ENLARGED ELECTRICAL POWER PLAN
E2.0 ELECTRICAL LIGHTING PLAN
E2.1 ENLARGED ELECTRICAL LIGHTING PLAN
E3.0 RISER DIAGRAM, PANEL SCHEDULE
FIRE PROTECTION
FP1.0 FIRE PROTECTION GEN NOTES
FIRE PROTECTION DRAWINGS, CALCS
Issued under separate cover
FIRE PROTECTION CONTRACTOR, Freedom Fire Pro
D-Build Contractor to Submit Sprinkler/Alarm documents
CIVIL
Issued under separate cover
Design-Build GC HAS SEPARATE Contract
w/ CIVIL ENGINEER, McCLELLAND CIVIL ENGINEERING.
PRE-ENGINEERED BUILDING
PRE-ENGINEERED STRUCTURE DRAWINGS
PEMB SUPPLIER, BC Buildings and the D-Build Contractor
to Submit ENGINEERED SEALED documents
Issued under separate cover

GENERAL NOTES

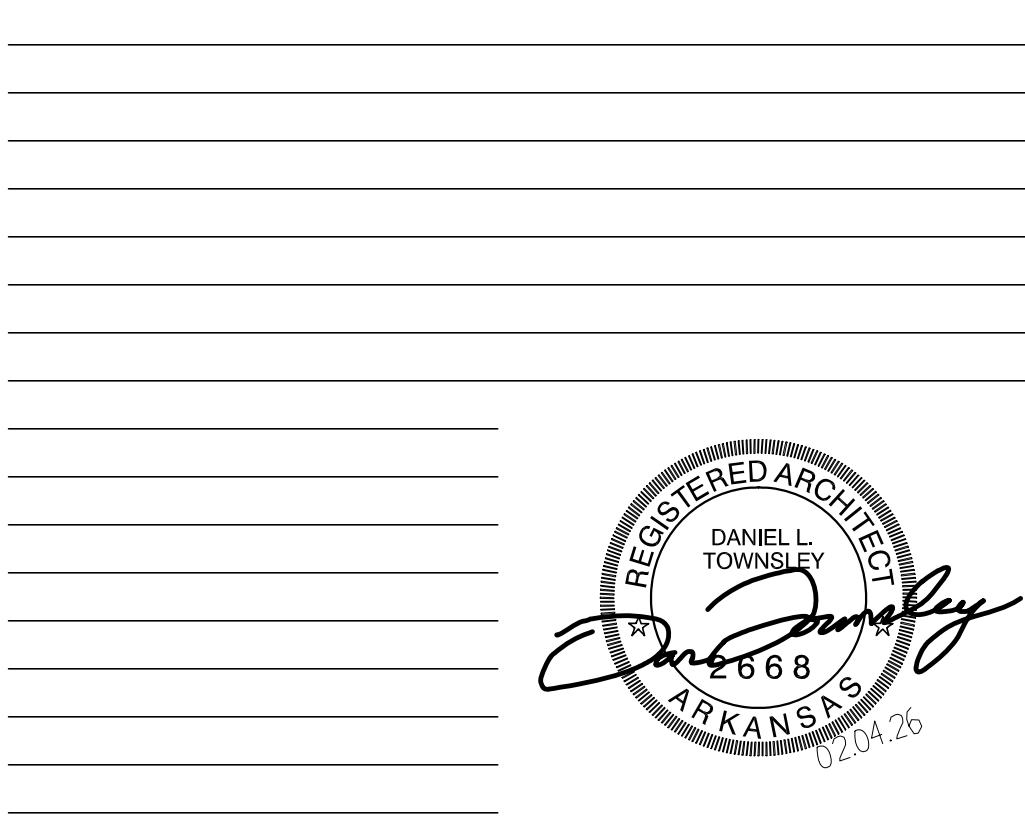
- THIS PROJECT DELIVERY METHOD IS BY A PRESELECTED BUILDING CONTRACTOR AS 'Design-Build'. GENERAL CONTRACTOR WILL HOLD CONTRACT WITH THE PROJECT OWNER. THE OWNER IS PACKAGING SPECIALTIES, LLC Fayetteville, AR
- THE ARCHITECT IS PROVIDING PROFESSIONAL SERVICES PER AN DESIGN-BUILDER AND DESIGN CONSULTANT CONTRACT. CONSTRUCTION SUPERVISION AND/OR ADMINISTRATION SERVICES ARE 'Periodic' G.C. TO ADVISE OF ALL CONSTRUCTION RELATED ISSUES DIRECTLY TO THE ARCHITECT IN WRITING USING THE R.F.P. FORMAT. THE PROJECT CONSTRUCTION IS TO MEET ALL THE REQUIREMENTS IN THE DRAWINGS.
- GENERAL CONTRACTOR WILL SCHEDULE AND COORDINATE ALL CONSTRUCTION ACTIVITIES AND REVIEW WITH THE OWNER'S REPRESENTATIVE. CONSTRUCTION MEANS AND METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR IN COORDINATION WITH QUALITY WORKMANSHIP STANDARDS BY ALL THE CONTRACTORS.
- SAFETY PRECAUTIONS AND PROGRAMS REGULATED BY LOCAL, STATE AND O.S.H.A. ARE TO BE STRICTLY ENFORCED BY EACH CONTRACTOR. THE CONTRACTORS ARE TO ENFORCE STRICT POLICIES AGAINST DRUG AND ALCOHOL USE IN THE CONTRACTOR'S WORKFORCE.
- ALL CONSTRUCTION ACTIVITIES, STAGING, TRAILERS AND TRAFFIC ARE TO BE RESTRICTED ON THE SITE AS DIRECTED. PROJECT SITE AND PROTECTION OF GENERAL PUBLIC IS TO BE CONSIDERED TOP PRIORITY. SAFETY OF THE PROVIDE TEMPORARY SECURITY FENCES- BARRICADES TO PREVENT UNAUTHORIZED ACCESS INTO THE DESIGNATED CONSTRUCTION AREA.
- THE GENERAL CONTRACTOR IS TO KEEP THE CONSTRUCTION PREMISES AND SURROUNDING AREA FREE FROM ACCUMULATION OF WASTE MATERIALS AND DEBRIS CAUSED BY THEIR RESPECTIVE OPERATIONS.
- THIS IS AN INDEPENDENT BUILDING WITH 'Connector' ADDITIONS TO THE EXISTING PLANT BUILDING'S EXTERIOR SOUTH WALL, THE EXISTING WAREHOUSE AT THE WEST AND THE EXISTING BUILDING TO THE EAST. THE G.C. IS TO COORDINATE ALL EXISTING CONDITIONS OF THE BUILDING WITH THE BUILDING OWNER'S REQUIREMENTS. GENERAL CONTRACTOR IS TO COORDINATE ALL CONSTRUCTION- PHASED SEQUENCING AND SITE STAGING ALONG WITH ANY ADDITIONAL OWNER REQUIRED IMPROVEMENTS.

LOCATION MAP



Fayetteville, Arkansas [Southeast]
1755 S. Armstrong Ave
Fayetteville, Arkansas 72701

Document Date: February 04, 2026
Issue Date: February 04, 2026
Revisions:



I HEREBY CERTIFY THESE CONSTRUCTION DOCUMENTS HAVE BEEN PREPARED BY ME OR UNDER MY DIRECT SUPERVISION. I FURTHER CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THESE DOCUMENTS ARE AS REQUIRED BY LAW AND ARE IN COMPLIANCE WITH THE ARKANSAS FIRE PREVENTION CODE FOR THE STATE OF ARKANSAS. Arkansas Fire Prevention Code Vol. 1 1-303

1	BUILDING PLANNING & DESCRIPTION
---	--

ADDRESS: 1755 S Armstrong Ave.

CITY, ST: Fayetteville, AR ZIP CODE: 72701 SUITE:

☒ NEW CONSTRUCTION ☐ SHELL BUILDING

☐ TENANT FINISHT ☐ CHANGE OF OCCUPANCY

☐ SUBSTANTIAL IMPROVEMENT ☒ OTHER: Building Addition

LIST BELOW THE PURPOSE/USE OF THE BUILDING OR AREA BEING REVIEWED. INCLUDE DETAILS ON THE PRODUCTS/MATERIALS BEING STORED/FABRICATED AND NOTE HOW THEY ARE BEING PACKAGED.

Building will be utilized as a printing fabrication facility. Large format automated printer will process inks onto plastic film used in food product packaging.

OCCUPANCY CLASSIFICATION TYPES									
	A-1	A-2	A-3	A-4	A-5	B	E		
✓	F-1	F-2	H-1	H-2	H-3	H-4	H-5		
	I-1	I-2	I-3	I-4	M	R-1	R-2		
		R-3	R-4	S-1	S-2	U			

Use 1/500 for Plmbg calcs = 48

MEANS OF EGRESS	# OF REQUIRED EXITS	# OF EXITS PROVIDED	SHEET #
STAIRWAYS (PER FLOOR)			
EGRESS @ 1ST FL OR LSBO	2	4	CS.1

OCCUPANCY TYPE	MAX TRAVEL DISTANCE	PROVIDE TRAVEL DISTANCE	SHEET #
F1 Sprinklered	250 lf	148 lf MAX	CS.1

4	FIRE PROTECTION SYSTEMS CHAPTER 9 IBC & IFC 2021
PORTABLE FIRE EXTINGUISHERS <i>(SECTION 906 IFC 2021)</i> ☒ PROVIDED AS NOTED ON: CS.1 A1.1., NUMBER PROVIDED: <u>6</u> (PROVIDE LOCATIONS ON LIFE SAFETY PLAN)	

AUTOMATIC FIRE SPRINKLER SYSTEM

ALL SPRINKLERS SHALL COMPLY WITH
MONITORING (SECTION 903 IFC 2021)

☐ NOT REQUIRED PER SECTION 903

☒ PROVIDED AS NOTED ON: Design-Eng Drawings/Calcs
per Freedom Fire Protection

SYSTEM PROVIDED:

☒	NFPA 13
☐	NFPA 13R
☐	NFPA 13D
☐	OTHER: _____

FIRE DEPARTMENT ACCESS TO SPRINKLER CONTROLS:

☒ SPRINKLER RISER ROOM OR POST INDICATOR VALVE SHOWN
ON: A1.1 (SECTION 901.4.7 IFC 2021)

FIRE ALARM & DETECTION SYSTEMS (SECTION 907 IFC 2021)

☒ AUTOMATIC WITH SMOKE COVERAGE COMPLYING WITH HC AMENDMENTS - 907.2	☐ ELEVATOR RECALL - SUPERVISORY
☐ MANUAL WITH NOTIFICATION	☐ OTHER: _____
☐ EMERGENCY VOICE EVACUATION	☐ NOT REQUIRED PER SECTION 907

SMOKE CONTROL SYSTEMS (SECTION 909 IFC 2021)(I.E. FOR HIGH RISE, ATRIUMS OR STAIRWAY PRESSURIZATION)

☐ PROVIDED AS NOTED ON: _____

☒ NOT REQUIRED PER SECTION 909

SMOKE & HEAT VENTILATION (SECTION 910 & 910.3 IFC 2021)

☐ CALCULATIONS PROVIDED AS NOTED ON: _____

☒ NOT REQUIRED PER SECTION 910

NOTE: WHERE AREAS OF THE BUILDING ARE EQUIPPED WITH EARLY SUPPRESSION FAST-RESPONSE (ESFR) SPRINKLERS, AUTOMATIC SMOKE AND HEAT VENTS SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS, MEETING LOCAL JURISDICTION REQUIREMENTS.

BUILDING ELEMENTS	HOURS REQUIRED	HOURS PROVIDED	UL OR IBC STANDARD USED & DESIGN DETAIL SHOWN ON	
STRUCTURAL FRAME	0	0		
EXTERIOR BEARING WALLS	2	no ext brgwll		
EXTERIOR NON-BEARING WALLS	0	0		
INTERIOR BEARING WALLS	0	0		
INTERIOR NON-BEARING WALLS	0	0		
FLOOR CONSTRUCTION	0	0		
ROOF CONSTRUCTION	0	0		
STAIRWELLS (SECTION 1009)		None		
ELEVATOR SHAFTS (SECTION 713)		None		
CORRIDORS (SECTION 1020)		Spkfred		
FIRE RATED DOORS (SECTION 716.2)	90min	90min		
DEMISING/PARTITION WALL (SECTION 708)	none	None		
FIRE BARRIER (SECTION 707)	1	2		
FIRE WALL (SECTION 706)	3	None		
DRAFTSTOPS: ☐ YES, SHOWN ON: _____ ☒ NO (SPRINKLED ATTIC) ☐ N/A (SECTION 718.4)				
HAVE YOU CHECKED WIDTH OF OPENINGS IN FIRE RATED WALLS? YES ☒ NO ☐ (TABLE 705.8, SECTION 706.8 & 707.6 IBC 2021)				
FIRE SEPARATION DISTANCE (FEET)(SECTION 602 IBC 2021)	20'-6" Min	148'-0"	Varies 20'-2"	29'-9"
	NORTH	SOUTH	EAST	WEST
ROOF COVERING CLASSIFICATION PROVIDED: (TABLE 1505.1 IBC 2021)				
A ☒ B ☐ C ☐				

24.126 SF. GROSS SIZE OF BUILDING IN SQUARE FEET *(INCLUDE ALL OVERHANGS UNDER ROOF)*

PUBLIC WATER SUPPLY WITH FIRE HYDRANTS

NUMBER OF HYDRANTS WITHIN 400 FT (NON-SPRINKLED) OR 600 FT (SPRINKLED) OF BUILDING: 2

SHOWN ON: Civil

REQUIRED GPM: per SpkIr DURATION: per SpkIr Cc *(TABLE B105.1 / TABLE B105.2 IFC 2021)*

75% REDUCTION? YES ☐ NO ☐ *(MUST MAINTAIN MIN OF 1,000 GPM (nfpa 13) OR 1,500 GPM (nfpa 13R))*

FIRE LANE LAYOUT PLAN, WHICH SHALL INCLUDE THE SITE PLAN, THE FIRE LANE & FIRE HYDRANTS, IS SHOWN ON: Civil. **(HIGHLIGHT THE FIRE HYDRANT LOCATIONS ON THE PLANS)** AERIAL ACCESS LAYOUT, FOR BUILDINGS OVER 30 FT, IS SHOWN ON: n/a.

FIRE LANES WILL BE APPROVED CONCEPTUALLY DURING THE TECH PLAT REVIEW PROCESS. HOWEVER, THE FIRE CODE PLAN REVIEWER MAY CHANGE THE FIRE LANE LAYOUT BASED ON THE BUILDING SPECIFICATIONS.

OCCUPANCY GROUP	EXIT ENCLOSURES AND EXIT PASSAGEWAYS	CORRIDORS	ROOMS AND ENCLOSED SPACES	SHEET #
F1	Class B	Class C	Class C	A1.1, A3.1

APPLICANT CERTIFICATION

I, Daniel Townsley, a LICENSED PROFESSIONAL ENGINEER/ARCHITECT
IN THE STATE OF ARKANSAS DO HEREBY CERTIFY THAT THE INFORMATION PRESENTED ON THIS
SHEET IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. **I AM** A DESIGNER OF RECORD FOR
THIS PROJECT. THE PROJECT CONSISTS OF DRAWING SHEETS CS1A11 THROUGH
S.P.M.E3.
ENGINEERING FIRM Dan Townsley, ARCHITECT FIRM# AR # 2668



SEAL



SIGNATURE

01/20/2026

DATE

YES ☒ NO ☐ PRODUCTS BEING STORED: Printed plastic Film

YES ☒ NO ☐ STORAGE PACKAGING (I.E. PALLETS, RACKS, SOLID PILED, DRUMS, CARDBOARD BOXES, WRAPPED IN PLASTIC, ETC.): cardboard rolls for Film, wood pallets

YES ☐ NO ☒ MAXIMUM HEIGHT OF COMMODITY: 12 ft

YES ☐ NO ☒ ***THIS BUILDING IS DESIGNED FOR THE INTENT OF HIGH PILED STORAGE.

YES ☐ NO ☒ FIRE DEPARTMENT ACCESS DOORS

YES ☐ NO ☒ HIGH PILED STORAGE RACK LAYOUT/ELEVATIONS, CODE ANALYSIS, ETC. SHOWN ON: _____

YES ☐ NO ☒ ***THIS BUILDING IS DESIGNED FOR THE INTENT OF HAZARDOUS MATERIAL STORAGE. IF YES, THEN PROVIDE ALL HMIS SUMMARY AND MSDS REPORTS.

YES ☐ NO ☒ EMERGENCY ALARM SYSTEM REQUIRED PER [SECTION 5004.9 IFC 2021](#)

YES ☐ NO ☒ VENTILATION WITH EMERGENCY ALARM STAND BY POWER PER [SECTION 5004.3 AND 5004.7 IFC 2021](#)

YES ☐ NO ☒ SPILL CONTROL AND SECONDARY CONTAINMENT PER [SECTION 5004.2 IFC 2021](#)

YES	☐	NO	☒	ATRIUM(S) PER 404 IBC 2021?	YES	☐	NO	☒	PAINT SPRAY BOOTHS, COATINGS, DIPPING OR INDUSTRIAL OVENS USED PER 2404, 2405, 2406 AND CHAPTER 30 IF 2021?
YES	☐	NO	☒	HIGH RISE BLDG PER 403 IBC 2021?					
YES	☐	NO	☒	ANY FUEL STORAGE TANKS PER 5704 IFC 2021?	YES	☐	NO	☒	HEALTH DEPARTMENT APPROVAL? REQUIRED FOR ALL ESTABLISHMENTS THAT SERVE/PREPARE FOOD AND BEVERAGES FOR THE PUBLIC OR HAVE REFRIGERATED FOOD STORAGE.
YES	☐	NO	☒	SEPTIC SYSTEM? SUBMIT PLANS TO WASTEWATER FOR REVIEW.					
YES	☒	NO	☐	PUBLIC UTILITIES?					
YES	☐	NO	☒	BUILDINGS WITHOUT OPENINGS PER 903.2.11.1 IFC 2021?	YES	☐	NO	☒	MEDICAL GAS PER 5306 IFC 2021?
YES	☐	NO	☒	FIRE PUMP EMERGENCY STANDBY POWER?	YES	☐	NO	☒	OTHER: _____

PROJECT NUMBER: IFC/IBC 2021

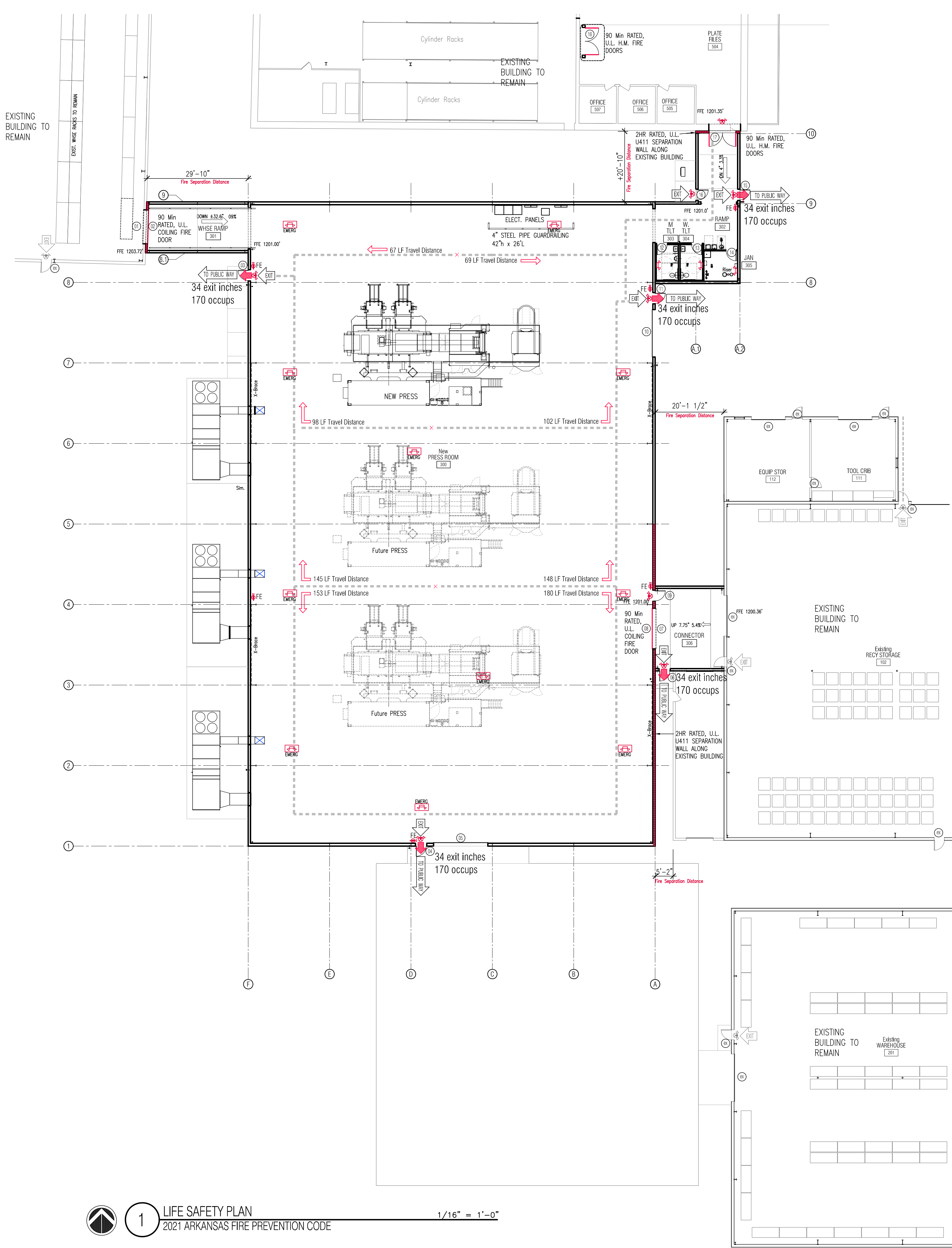
APPROVED BY THE FAYETTEVILLE FIRE MARSHAL FOR THE PURPOSES LISTED

DATE _____

THE PROJECT WAS REVIEWED, HOWEVER, THIS DOES NOT MEAN THE ENTIRE PROJECT, INCLUDING ALL SUPPORTING DATA AND CALCULATIONS, HAVE BEEN COMPLETELY CHECKED AND VERIFIED. THESE DRAWINGS ARE SIGNED, DATED AND SEALED BY A PROFESSIONAL ENGINEER/ ARCHITECT LICENSED TO PRACTICE IN THE STATE OF ARKANSAS, WHICH THEREFORE CONVEYS THE PROFESSIONAL'S RESPONSIBILITY AND ACCOUNTABILITY. THIS ACCEPTANCE DOES NOT RELIEVE ANY PARTY FROM COMPLYING WITH ANY OTHER LEGAL ADOPTED REGULATION OR ORDINANCE RELATED TO LAND DEVELOPMENT.

DATE:

City of FAYETTEVILLE, ARKANSAS (Updated Jan 2023)



1 LIFE SAFETY PLAN
2021 ARKANSAS FIRE PREVENTION CODE

1/16" = 1'-0"

Code Summary

Building Occupancy

Use and occupancy classification F1

Building is constructed per IBC 508.3.2 for Non-separated Uses

Building Construction

IBC Table 503

Construction Type II B. Sprklr [new building] (original Facility IS NOT Sprinklered)

Area Allowed 62,000 SF Single story, Level Floor

Building Height Allowed 75 feet 26 feet (highest elevation)

Number of Stories Allowed 3 1

Building Area

BUILDING AREA LIMITATIONS: *ALLOWABLE* AND *ACTUAL*

Area limitations for F1, S1 Type II B
Allowed Area per Table 506.2: F-1 = 62,000 SF

Frontage Area Increase Multiplier 25 %

Total Allowable Floor Area per floor 65,875 SF

Building Area 24,126 SF

Building Area is within limit parameters 24,126 SF < 65,875 SF ✓

Building Construction Type/ Ratings

Fire resistance of Exterior Walls Based on Fire Separation Distance IBC Table 601

Distance 10' ≤ 30' Rating = 0 hr Distance 0 ≤ 5' Rating = 2 hr

Opening Protection = 0 hr

Fire Resistance Rating Requirements IBC Table 601

	Rating Required	Rating	Provided
Structural Frame	0 hr	0 hr	0 hr

Bearing Walls - EXTERIOR 0 hr none in building

INTERIOR 0 hr 0 hr

Non-Bearing Walls and Partitions - EXTERIOR 0 hr 0 hr

INTERIOR 0 hr 0 hr

Non-Bearing Walls and Partitions - EXTERIOR 0 hr 0 hr

INTERIOR 0 hr 0 hr

Floor Construction 0 hr 0 hr

Roof Construction 0 hr 0 hr

Building is constructed per IBC 508.3 for Non-Separated Uses

Use and occupancy classification is F-1

Occupant Load

Minimum Occupant Load IBC 2021 Table 1004.4.5

Maximum Floor Area Allowance per Occupant

ALL Grade Level

F1 Industrial areas = 100 gross sf/occupant 24,126 sf gross = 241 occupants

Use for Automated Equipment = 500 gross sf/occupant 24,126 sf gross = 48 occupants

Grade Level	Occupancy Load total	48 occupants
(500 gross for Automated Equip)		

Building Means of Egress

Minimum no. of Exits IBC 2021 Table 1006.3.3 = 2

Number of Provided Exits = 4 ✓

Required Capacity of Exits

Grade level:

241 Occupants x 0.15/occupant = 36 exit inches required

Capacity provided:

(4) 3 ft wide opening 3'-0" door: 4 x 34 net inches = 136 exit inches

Exit Capacity provided total 136 Exit inches ✓

Maximum Allowable Travel Distance = 250 ft (F1 Fully sprinklered)

Maximum Actual Travel Distance = 148 ft ✓

Plumbing Fixture Count per APC (IPC 403.1.1 & APC 1004.5)

(Occupancy is determined based on 2021 AFPC Vol. II)

Occupancy & Area Served *F1* Factory 24,126 SF Gross Area

Plumbing Occupant Load Factor *F* = 100 SF Gross per occupant

Plumbing Occupant Load F1 24,126 SF Gross /500 = 48 occupants

(USE 500 gross SF/occupant for Automated Equip)

	Male Required	Male Provided	Female Required	Female Provided
Total Number of Fixtures				
Water Closets Accessible	1	1	1	1
Water Closets	1	1	1	1
Urinals		1		
Lavatories Accessible	1	1	1	1
Lavatories				
Drinking Fountains				
Accessible	1			
Standard Ht.	1			
Service Sink	1			

Codes for City of Fayetteville, AR

2021 Arkansas Fire Prevention Code Vol. I
(2021 IBC w/ Arkansas Amendments)
2021 Arkansas Fire Prevention Code Vol. II
(2021 IBC w/ Arkansas Amendments)
2021 Arkansas Fire Prevention Code Vol. III
(2021 IRC w/ Arkansas Amendments)
2018 Arkansas State Plumbing Code (APC)
2018 Arkansas State Fuel and Gas Code
2021 Arkansas Mechanical Code (AMC)
2020 National Electric Code (NEC)
2014 Arkansas Energy Code (2009 IECC)
2017 ANSI A117.1
2021 Property Maintenance Code
2021 International Swimming Pool and Spa Code
NFPA (as applicable)
City of Fayetteville Adopted Ordinances

Building Officials

Building Safety

Dennis Sanders, Building Safety Director

Development Services Building

125 West Mountain St

Fayetteville, AR 72701

Tel: 479 575-8238

building_safety@fayetteville-ar.gov

Engineering

Matt Casey, Engineering Design Manager

Development Services Building

125 West Mountain

Fayetteville, AR 72701

Tel: 479 575-8206

engineering@fayetteville-ar.gov

Water & Sewer Services

Tim Nyander, Utilities Director

Water & Sewer Building

2435 South Industrial Dr

Fayetteville, AR 72701

Tel: 479 575-8386

Fax: 479 684-4729

water_and_sewer_maintenance@fayetteville-ar.gov

Fire Department

Captain Jason Hood, Dpty Fire Marshall

Fayetteville Fire Department

303 Center St

Fayetteville, AR 72701

Tel: 479 444-3448

jhood@fayetteville-ar.gov

Development Services

Jonathan Curth, Development Services Director

Development Services Building

125 West Mountain

Fayetteville, AR 72701

Tel: 479 575-8233

developmentservices@fayetteville-ar.gov

Planning / Zoning

Jesse Masters, Planning Director

Development Services Building

125 West Mountain

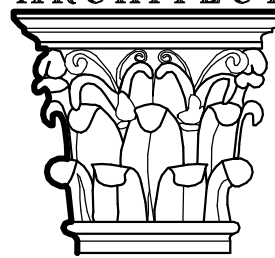
Fayetteville, AR 72701

Tel: 479 575-8239

jmasters@fayetteville-ar.gov



Dan Townsley
ARCHITECT



921 S Oak Hill Ste. 1
Rogers, AR 72758
479.631.8817 PH
dan@dt-architect.com

General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



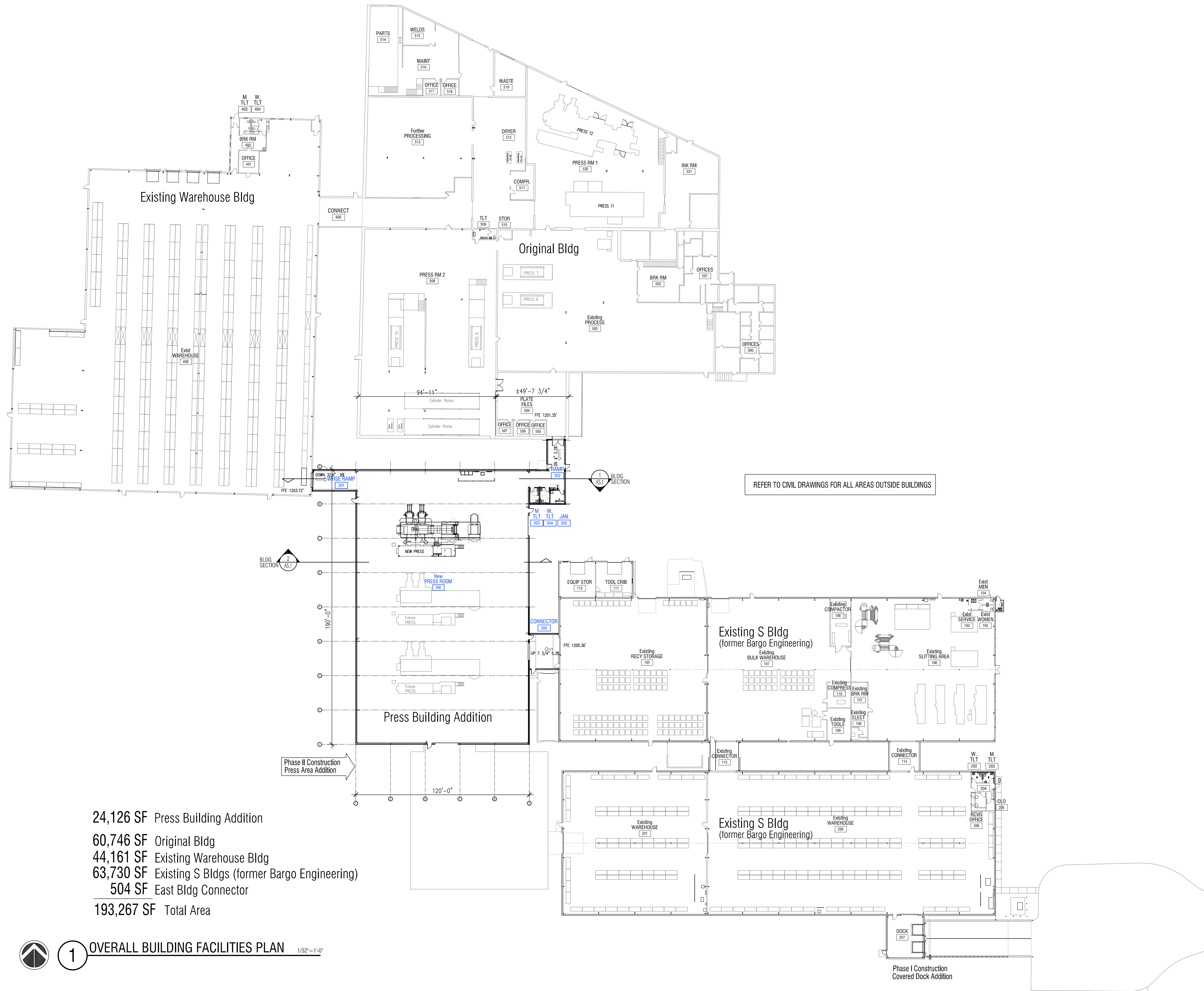
1755
S Armstrong Ave
Fayetteville, Arkansas

Sheet Contents:

LIFE SAFETY PLAN

Sheet Number:

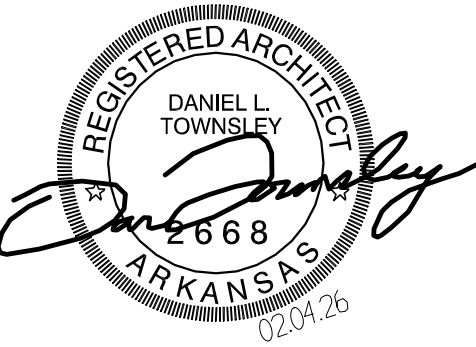
CS.1



24,126 SF Press Building Addition
 60,746 SF Original Bldg
 44,161 SF Existing Warehouse Bldg
 63,730 SF Existing S Bldgs (former Bargo Engineering)
 504 SF East Bldg Connector
 193,267 SF Total Area



1 OVERALL BUILDING FACILITIES PLAN 1/32"=1'-0"



Dan Townsley
 ARCHITECT
 921 S Oak Hill Ste. 1
 Rogers, AR 72758
 479.631.8817 PH
 dan@dt-architect.com

General Contractor:

NABHOLZ
 Construction

3301 N 2nd Street
 Rogers, Arkansas 72757
 479.659.7800

Press Addition



1755
 S Armstrong Ave
 Fayetteville, Arkansas

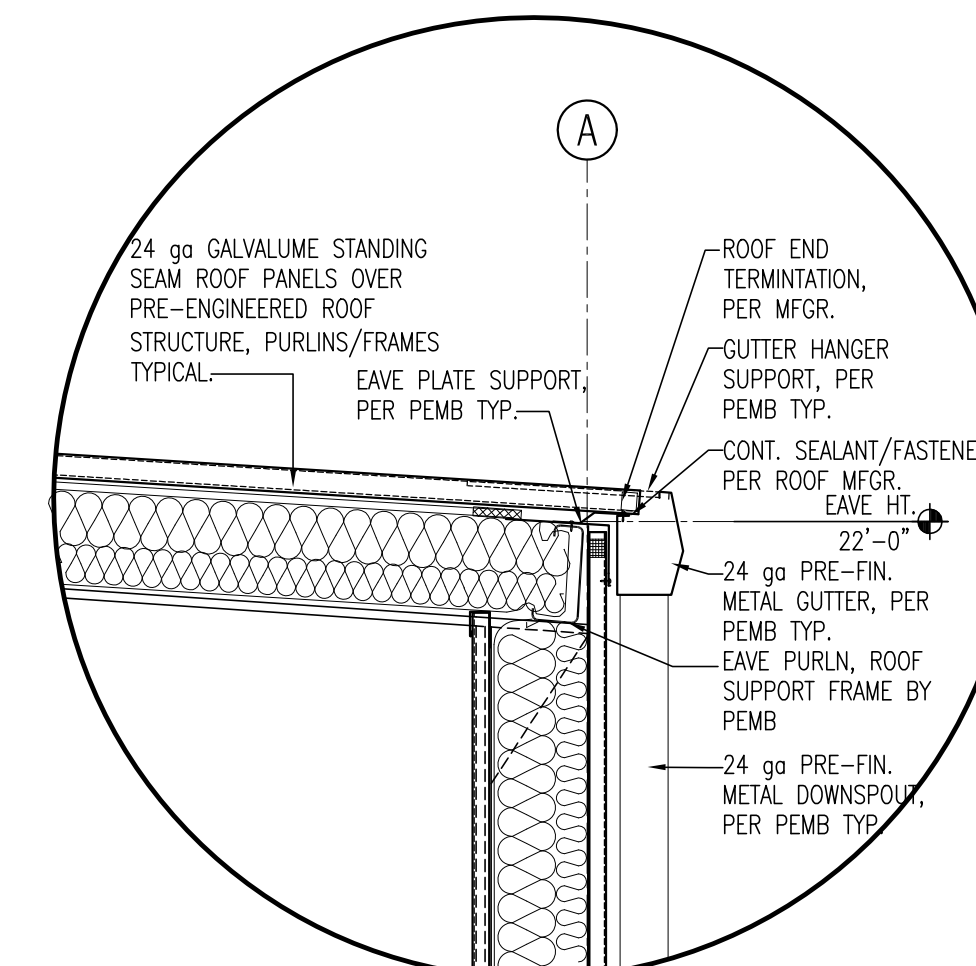
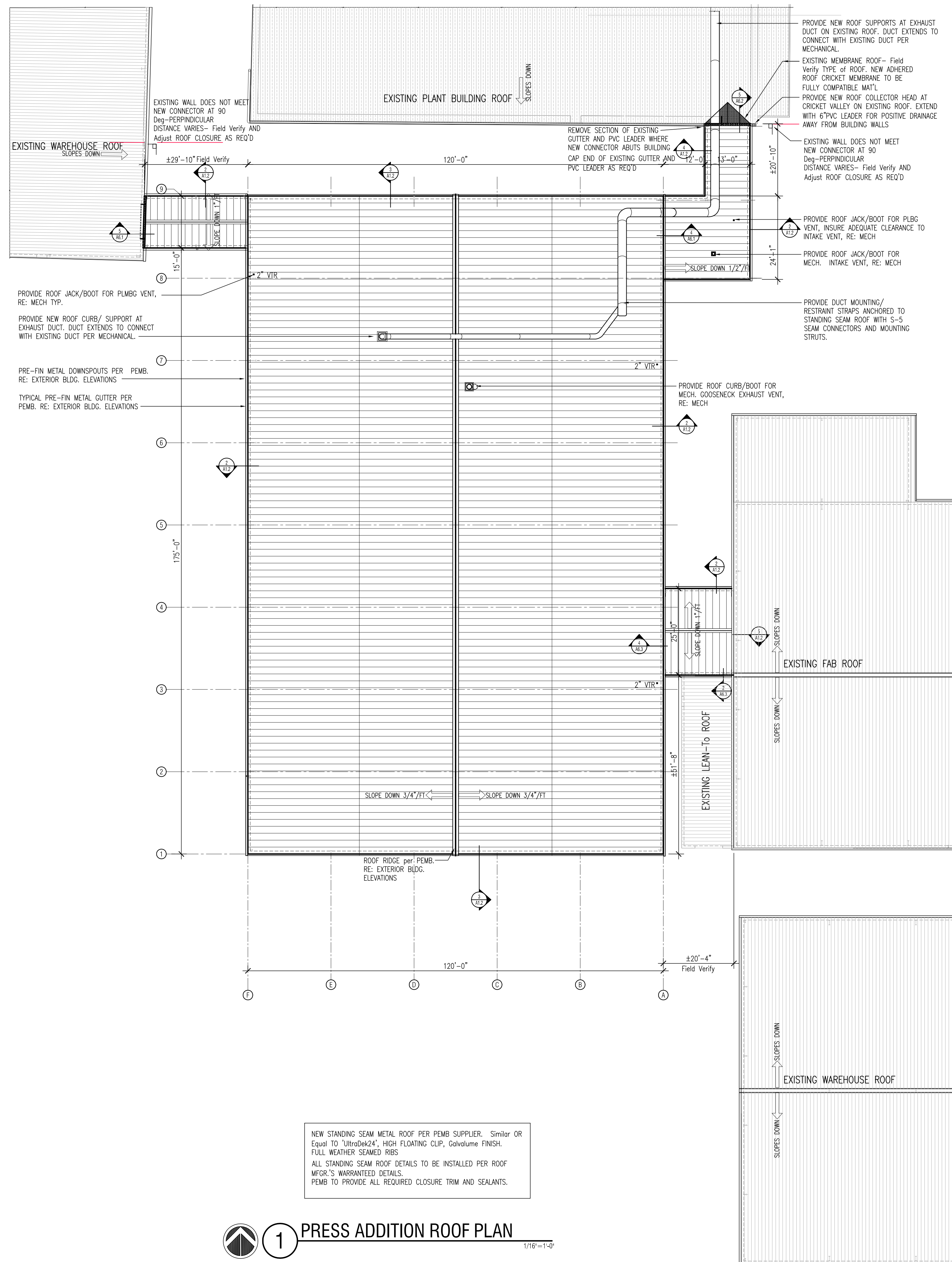
Sheet Contents:

OVERALL PLAN

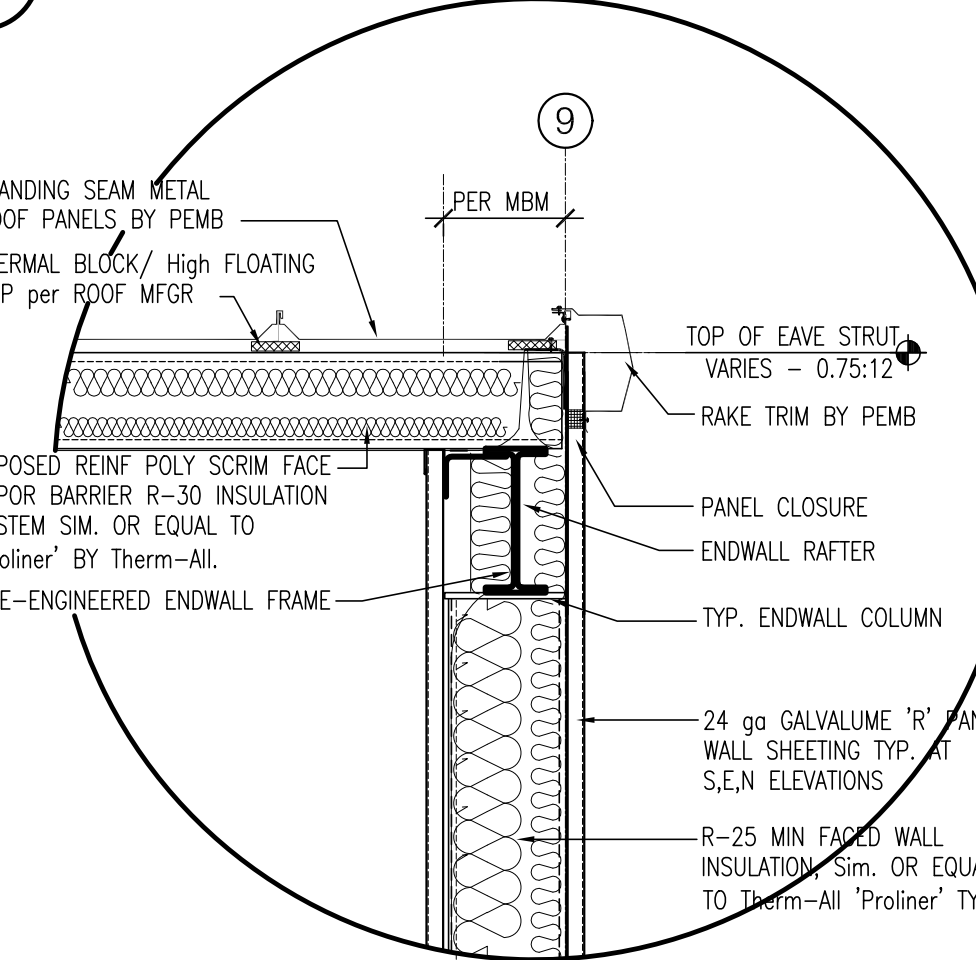
Drawing Name: PacSpec Press A1-0.DWG
 Date: 02.04.26
 Revisions:

Sheet Number:

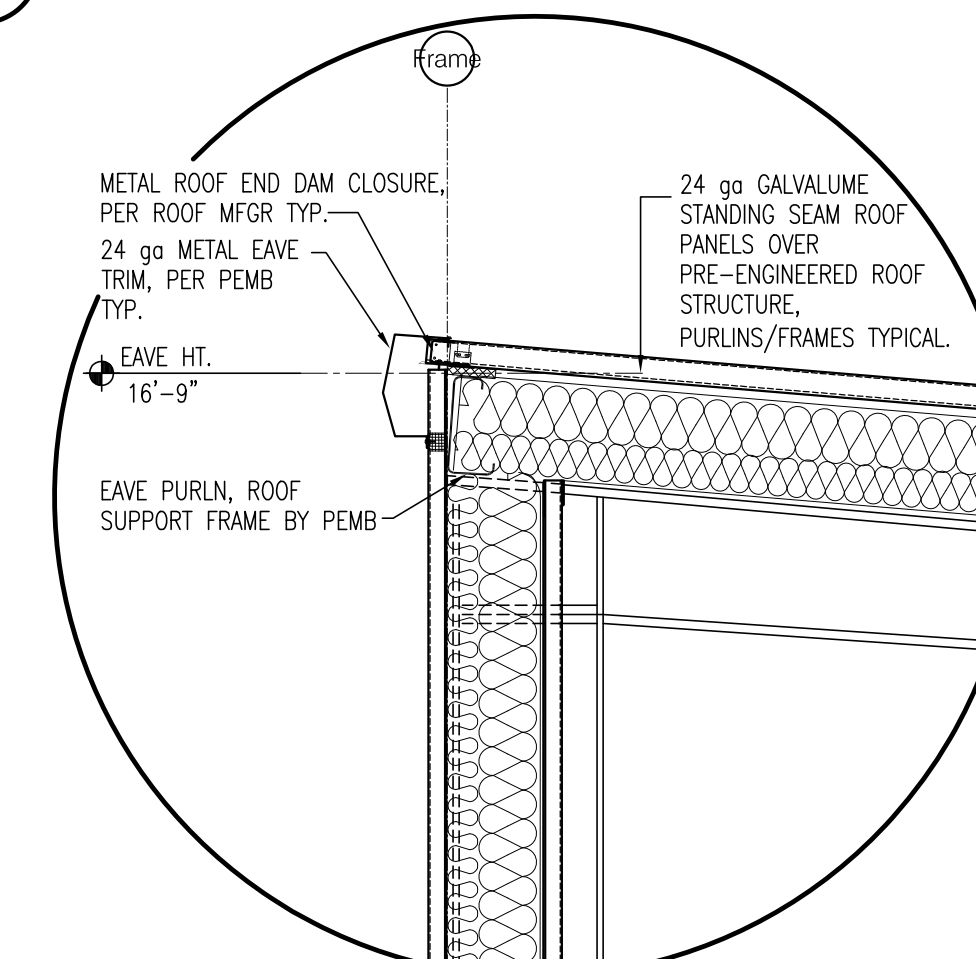
A1.0



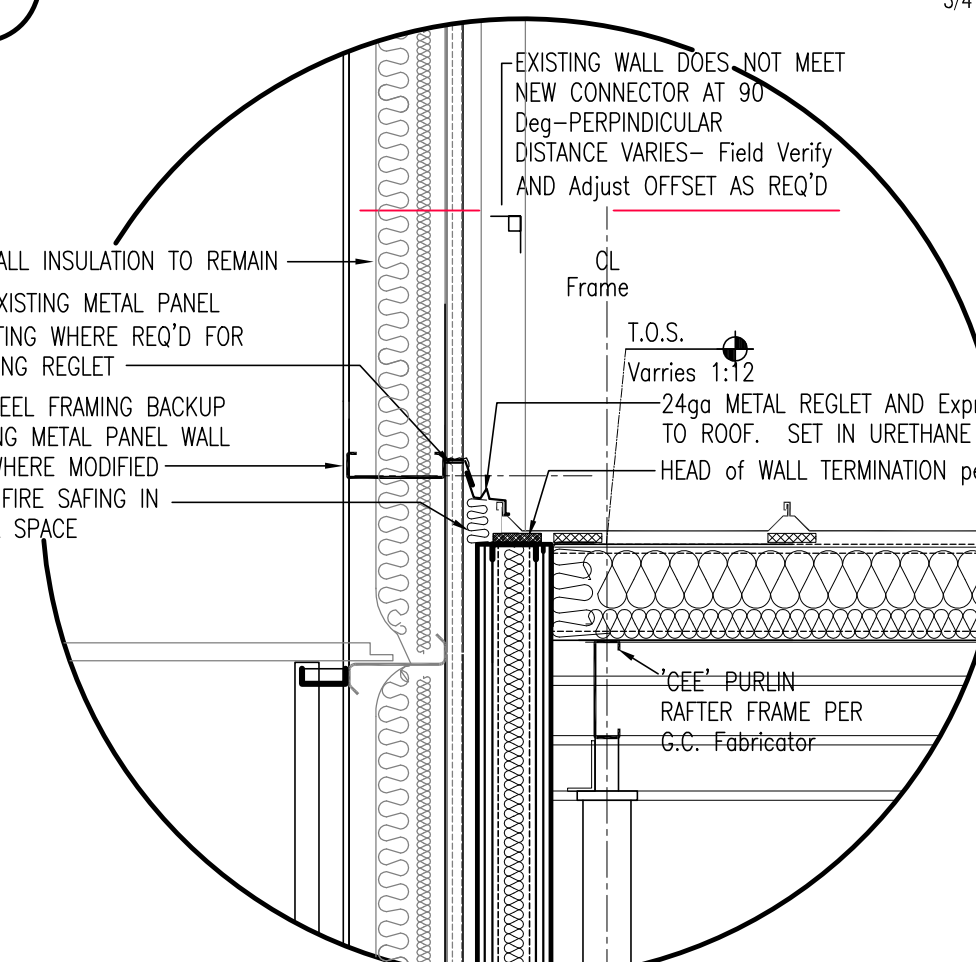
2 TYPICAL ROOF EAVE 3/4"=



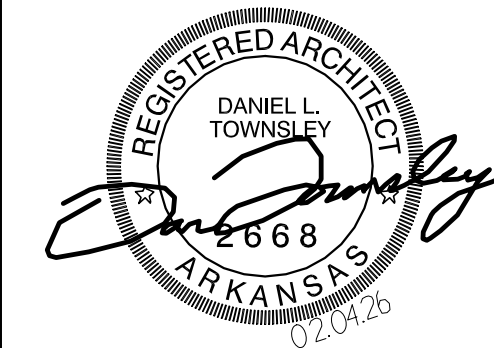
3 TYPICAL ROOF RAKE



4 TYPICAL ROOF 'High' EAVE



5 EXISTING WALL to ROOF



921 S Oak Hill Ste
Rogers, AR 727
479.631.8817
dan@dt-architect.com

General Contractor

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479. 659. 7800

Press Addition



1755
S Armstrong Ave
Fayetteville, Arkansas

Sheet Contents:

PRESS AREA ROOF PLAN

Drawing Name: PacSpec Press A1-1.DWG

Date: 02.04.26

Revisions

Sheet Number:

A1.2

Copyright ©2026 N A B H O L Z Construction



1

PRESS ADDITION REFLECTED CEILING PLAN

1/16"=1'-0"

GENERAL NOTES

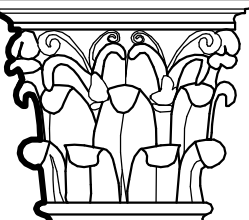
1. THE ARCHITECTURAL REFLECTED CEILING PLAN IS TO GOVERN OVER THE MECHANICAL AND ELECTRICAL LAYOUT WHERE THERE IS ANY DISCREPANCY BETWEEN THE THREE. CONSULT WITH THE ARCHITECT BEFORE MAKING ANY REVISIONS.
2. COORDINATE THE FINAL LOCATION OF ALL OVERHEAD LIGHT FIXTURES WITH THE OWNER'S EQUIPMENT/FIXTURES.
3. REFER TO THE FINISH SCHEDULE AND FINISH SPECIFICATIONS FOR ALL CEILING FINISHES. GYPSUM CEILINGS ARE TO BE SMOOTH FINISH, LEVEL 4.
4. REFER TO THE FINISH SCHEDULE, SECTIONS AND INTERIOR ELEVATIONS FOR CEILING HEIGHTS AND TRANSITIONS.
5. ALL CEILING SUPPLY AIR, RETURN AIR AND EMERGENCY LIGHT FIXTURES ARE TO BE FACTORY FINISHED 'WHITE'.
6. ALL TELEPHONE AND DATA-COM CABLING AND RELATED NETWORKING WILL BE INSTALLED UNDER SEPARATE CONTRACT BY THE OWNER. G.C. IS TO COORDINATE WITH THE OWNER'S DATA/COM SUPPLIER TO ENSURE CABLING IS SCHEDULED DURING THE APPROPRIATE PHASE OF CONSTRUCTION. ELECTRICAL CONTRACTOR IS TO PROVIDE ROUGH-IN BOXES AT LOCATIONS SHOWN ON POWER PLAN, (E2.1) WITH 1/2" CONDUIT/PULL STRING TO ATTIC AND/OR CEILING CAVITY SPACE FOR INSTALLER'S USE.
7. VERIFY THE FINAL LOCATION OF ALL EMERGENCY LIGHTING AND EXIT LIGHTS WITH THE LOCAL FIRE MARSHALL PRIOR TO INSTALLATION.
8. ALL FIRE SPRINKLER HEAD SPACING/LOCATION AND RELATED HYDRAULIC PIPING WILL BE DESIGNED-ENGINEERED-INSTALLED UNDER DESIGN-BUILD CONTRACT BY LICENSED FIRE PROTECTION CONTRACTOR. G.C. IS TO COORDINATE ALL BUILDING COMPONENTS, MECH ELEC PLUMBING STRUCTURE WITH THE FIRE PROTECTION CONTRACTOR TO ENSURE SYSTEM IS SCHEDULED DURING THE APPROPRIATE PHASE OF CONSTRUCTION. WHERE CONFLICT TO LIGHTING AND OR HVAC DEVICES OCCUR WITHIN THE CEILING SPACE, CONSULT ARCHITECT PRIOR TO MAKING ANY ADJUSTMENTS.
9. FIRE ALARM SYSTEM WILL BE DESIGNED-ENGINEERED-INSTALLED UNDER DESIGN-BUILD CONTRACT BY LICENSED FIRE PROTECTION CONTRACTOR. SYSTEM IS TO INTEGRATE WITH ALL RELATED BUILDING COMPONENTS, MECH-ELEC AND FIRE SPRINKLER SYSTEM. THE FIRE PROTECTION CONTRACTOR TO ENSURE SYSTEM IS COMPLIANT WITH CURRENT NFPA AND LIFE SAFETY REGULATIONS. FIRE PROTECTION/ALARM CONTRACTOR IS RESPONSIBLE FOR SUBMITTING DOCUMENTATION AND OBTAINING ALL REQUIRED PERMITS.
10. LOCATION OF ALL SPRINKLER HEADS, SMOKE DETECTORS, NOTIFICATION ALARMS (AUDIO-VISUAL), AND RELATED SYSTEMS ARE TO BE INSTALLED PER THE FIRE PROTECTION CONTRACTOR'S SUBMITTED AND APPROVED PLANS. INFORMATION SHOWN ON THIS REFLECTED CEILING PLAN AND OTHER ARCHITECTURAL PLANS ARE A GRAPHICAL SCHEMATIC ONLY AND IS NOT TO BE USED FOR CONSTRUCTION. CONTRACTOR IS TO OBTAIN COPIES OF THE FIRE PROTECTION CONTRACTOR'S SUBMITTED-APPROVED PLANS FOR USE AS REFERENCE IN LIEU OF THE GRAPHICAL INFORMATION ON THE ARCHITECTURAL PLANS.

SYMBOL LEGEND

- | | |
|--|---|
| | 4' LED TROFFER WITH EMERGENCY LIGHT FUNCTION- BATTERY BACK-UP |
| | 4' LED TROFFER |
| | 4' LED TROFFER, SUSPENDED |
| | 4' LED WRAP-AROUND LENSED COVER |
| | WALL MOUNTED, SHIELDED EXTERIOR EXIT LIGHT |
| | WALL MOUNTED, SHIELDED EXTERIOR EXIT LIGHT EMERGENCY LIGHTING |
| | COMBO EMERGENCY LIGHTING AND EXIT SIGN |
| | DIRECTIONAL EMERGENCY EXIT SIGN |
| | WALL MOUNT EMERGENCY EXIT SIGN |
| | DOCK-TRAILER LIGHT |
| | SUPPLY AIR REGISTER (SAR) |
| | RETURN AIR GRILLE (RAG) |
| | SUPPLY AIR REGISTER (SAR) FOR GYP, BD, CLG. |
| | EXHAUST FAN |
| | AUTOMATIC SPRINKLER HEAD |
| | SMOKE DETECTOR |



Dan Townsley
ARCHITECT



921 S Oak Hill Ste. 1
Rogers, AR 72758
479.631.8817 PH
dan@dt-architect.com

General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



1755
S Armstrong Ave
Fayetteville, Arkansas

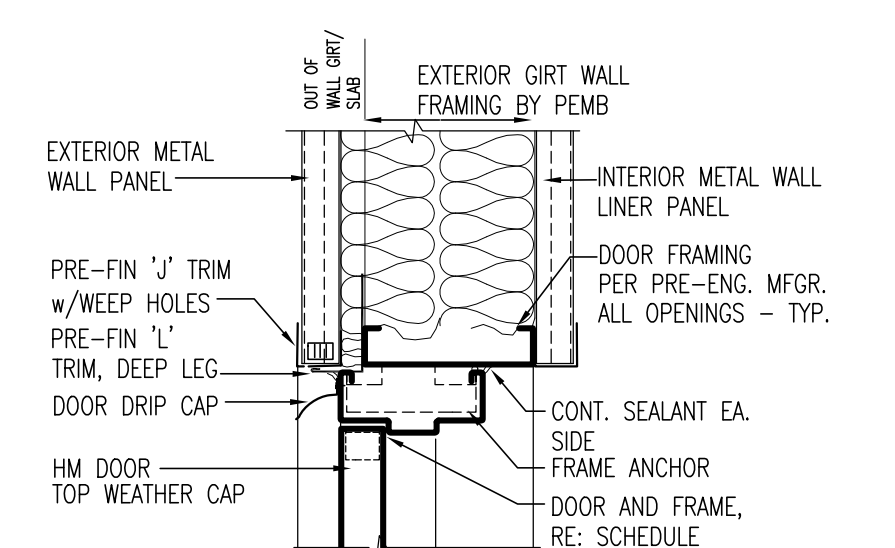
Sheet Contents:

PRESS AREA
REFLECTED CEILING PLAN

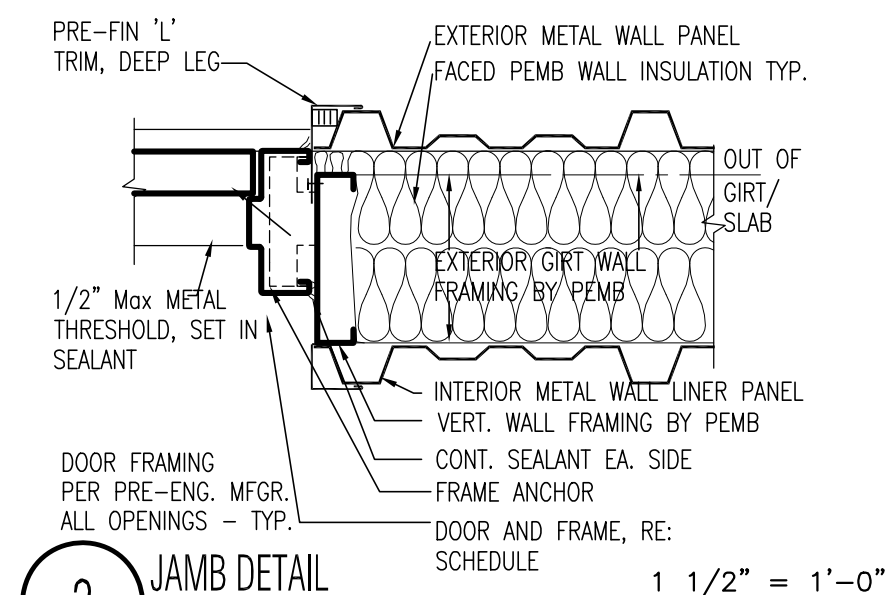
Drawing Name: PacSpec Press A2-1.DWG
Date: 02.04.26
Revisions:

Sheet Number:

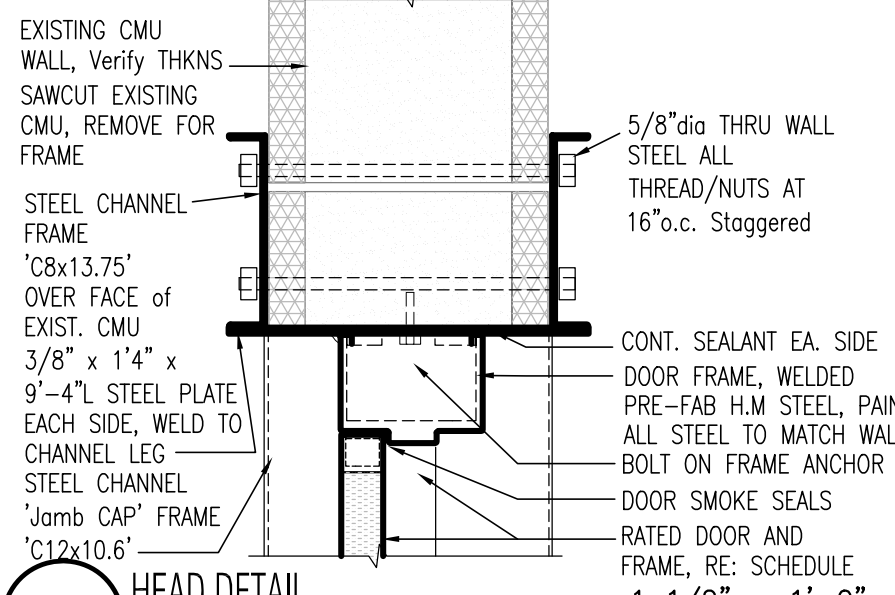
A2.1



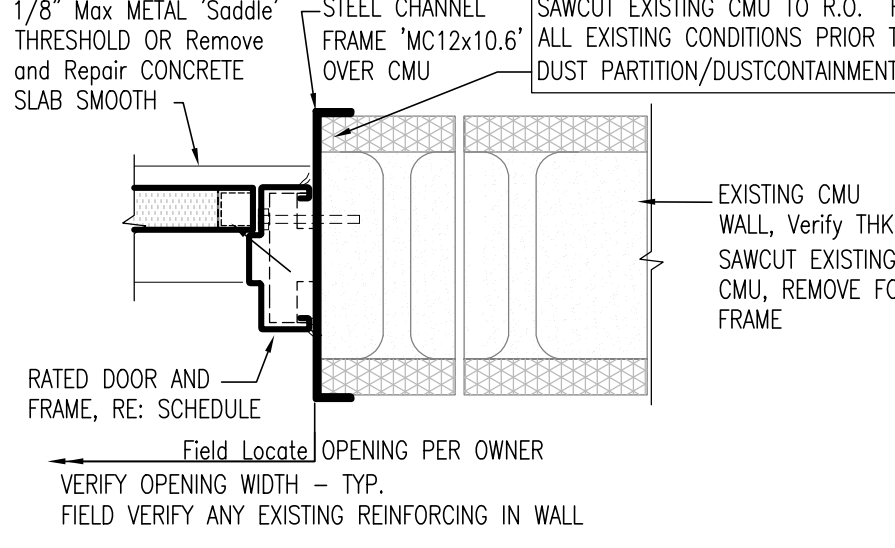
1 HEAD DETAIL 1 1/2" = 1'-0"



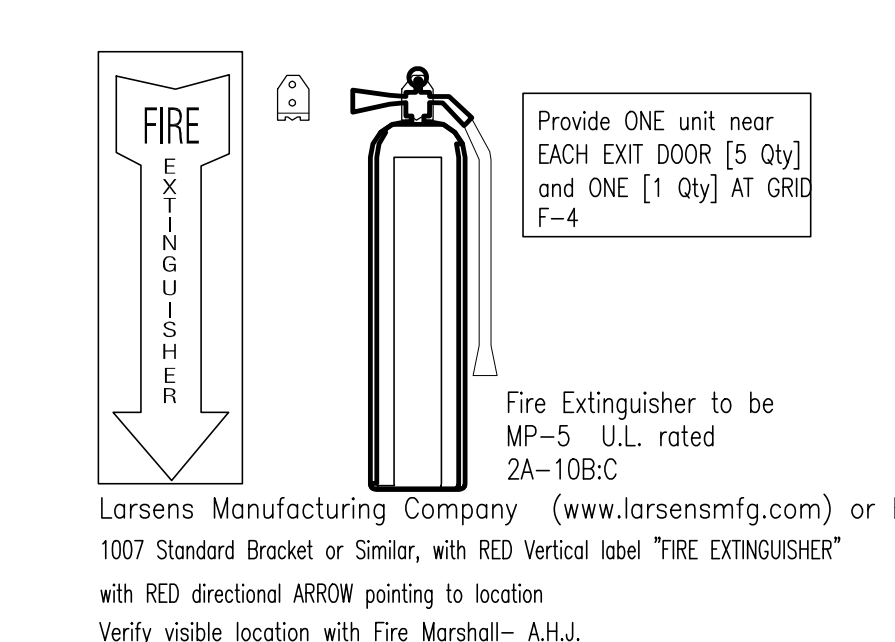
2 JAMB DETAIL 1 1/2" = 1'-0"



3 HEAD DETAIL 1 1/2" = 1'-0"



4 JAMB DETAIL 1 1/2" = 1'-0"

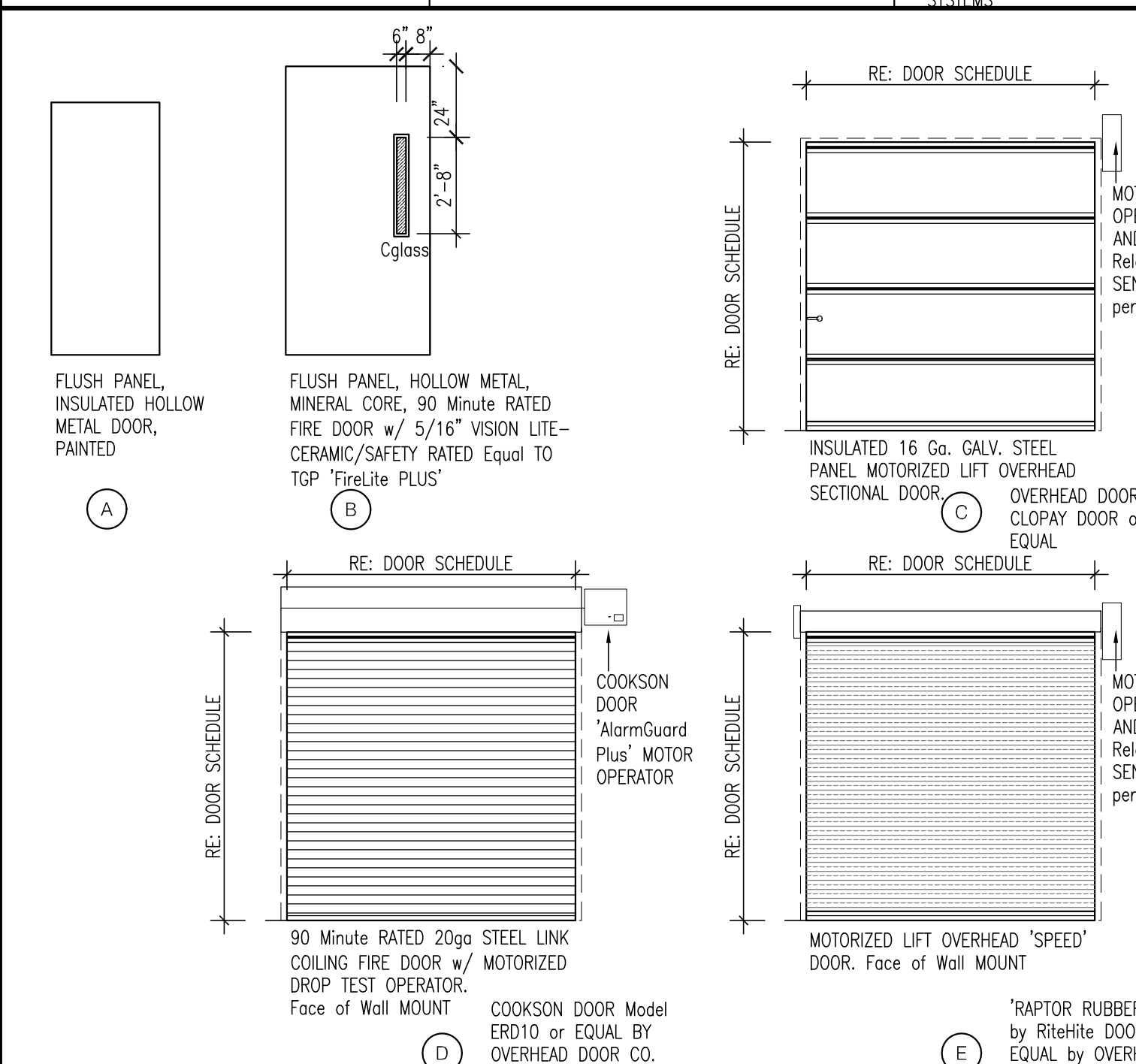


5 FIRE EXTINGUISHER NO SCALE REFER TO PLANS FOR LOCATIONS- NOTED 'F.E.'

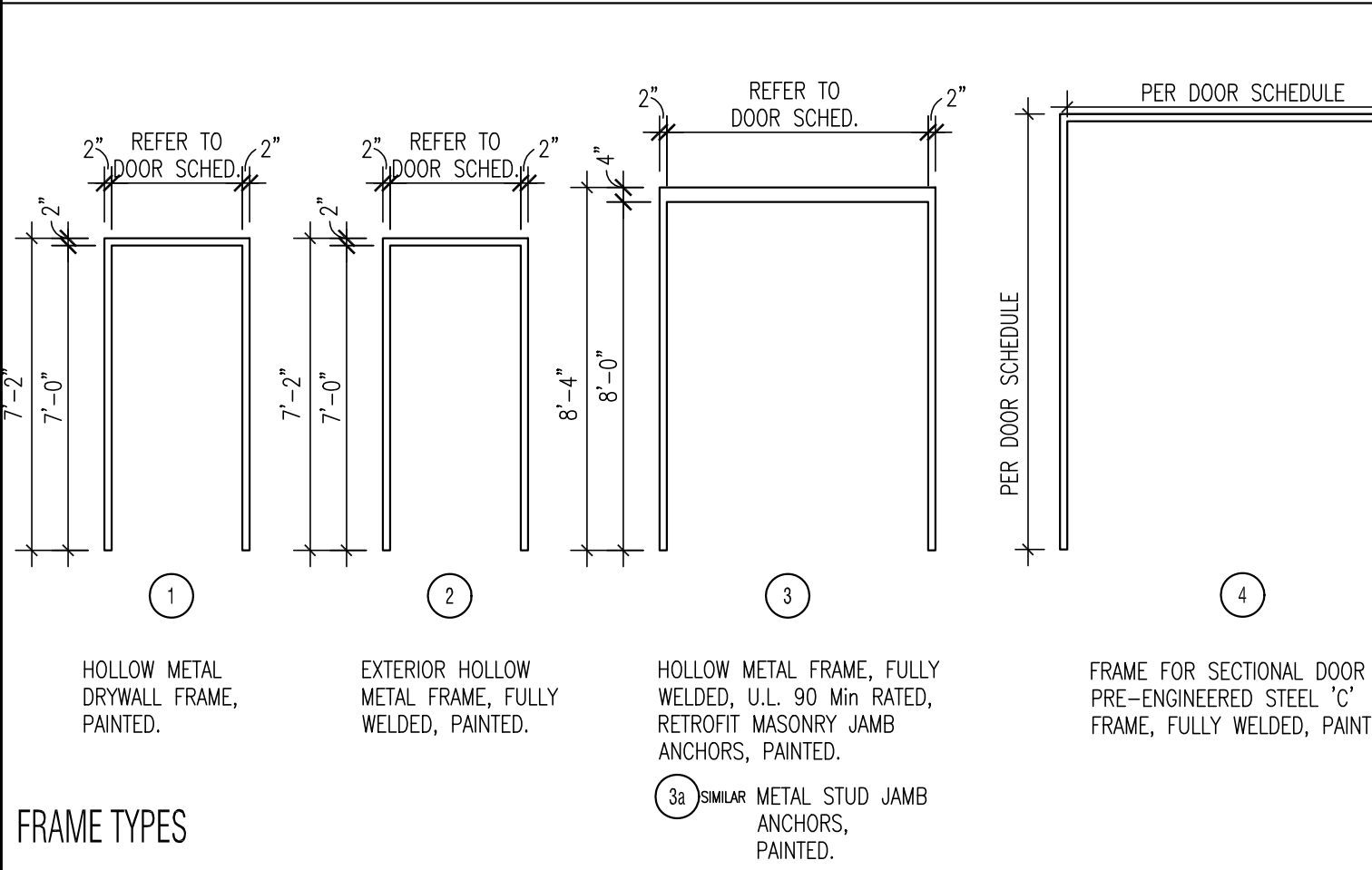
DOOR SCHEDULE EXTERIOR DOORS ARE SUPPLIED BY THE PRE-ENGINEERED BUILDING MANUFACTURER, COORD w/GC

Mark	Type	Width	Height	Thickness	Frame Type	Details			Rating	Hardware Note	Remarks
						Head	Jamb	Sill			
01	E	10'-0"	10'-0"	1/4"	per MFG	5/A6.1	.....	.....		11,12	3
02	D	10'-0"	10'-0"	3/4"	per MFG	5/A6.1	.....	.....	90 Min.	11,12,13	2,3,6
03	A	3'-0"	7'-0"	1-3/4"	2	1/A3.1	2/A3.1	.....		1,5,6,9,10	2,3,4
04	A	3'-0"	7'-0"	1-3/4"	2	1/A3.1	2/A3.1	.....		1,5,6,9,10	2,3,4
05	C	16'-0"	16'-0"	3/4"	4	.....	.....	.....		6,8,10,11,12	
06	A	3'-0"	7'-0"	1-3/4"	2	1/A3.1	2/A3.1	.....		1,5,6,9,10	2,3,4
07	D	12'-0"	12'-0"	3/4"	per MFG	4/A6.3	.....	.....	90 Min.	11,12,13	2,3,4,5
08	E	12'-0"	12'-0"	1/4"	per MFG	4/A6.3	.....	.....		11,13	2,3,4,5
09	A	3'-0"	7'-0"	1-3/4"	2	1/A3.1	2/A3.1	.....	90 Min.	2,6,7	
10	C	14'-0"	14'-0"	3/4"	4	4/A6.1	.....	.....		6,8,10,11,12	3
11	A	3'-0"	7'-0"	1-3/4"	2	1/A3.1	2/A3.1	.....		1,5,6,9,10	
12	A	3'-0"	7'-0"	1-3/4"	1	.....	.....	.....		4,7	
13	A	3'-0"	7'-0"	1-3/4"	1	.....	.....	.....		4,7	
14	A	3'-0"	7'-0"	1-3/4"	1	.....	.....	.....		3	
15	A	3'-0"	7'-0"	1-3/4"	2	1/A3.1	2/A3.1	.....		1,5,6,9,10,15	7
16	A	3'-0"	7'-0"	1-3/4"	2	1/A3.1	2/A3.1	.....		1,5,6,9,10	
17	B	PR 4'-0"	8'-0"	1-3/4"	3a	.....	.....	.....	90 Min.	2,6,7,13,14	2,3,5,6
18	B	PR 4'-0"	8'-0"	1-3/4"	3	3/A3.1	4/A3.1	.....	90 Min.	2,6,7,13,14	2,3,5,6

DOOR HARDWARE NOTES	GENERAL HARDWARE NOTES	REMARKS
1. PANIC BAR, CYLINDER LOCK 2. FIRE RATED PANIC DEVICE(S) 3. ENTRANCE LOCKSET 4. PRIVACY LOCKSET 5. 1/2" MAX. HT. THRESHOLD 6. FULL WEATHERSTRIP 7. CLOSER w/ HOLD OPEN FUNCTION 8. SLIDE BAR LOCK BY DOOR MANUFACTURER 9. DRIP CAP AT DOOR HEAD 10. DOOR BOTTOM SWEEP SEAL 11. MOTORIZED LIFT 12. SAFETY SENSORS, AUTO OPENER SENSOR 13. FIRE ALARM INTERCONNECT, SMOKE SENSORS 14. 1/4" Low Profile SADDLE THRESHOLD, S.S. 15. ELECTRIC STRIKE, ACCESS CARD READER BY Owner. COORDINATE HOWRE	FINISH HARDWARE IS TO BE: SCHLAGE, STANLEY, TRIMCO, HAGER, IVES, NATIONAL GUARD, DORMA, ROCKWOOD, OR APPROVED EQUAL. ALL HARDWARE FINISHES ARE TO BE: US26D - SATIN CHROME. LOCKSETS ARE TO BE: 'JUPITER' LEVER STYLE, MASTER KEYED TO OWNER'S KEY SYSTEM. FULLY WEATHERSTRIP ALL EXTERIOR DOORS. THRESHOLDS AT EXTERIOR DOORS TO BE 1/2" MAX. HEIGHT. DOOR SPECIFICATION HOLLOW METAL DOORS ARE TO BE 18 ga. INSULATING CORE, PRIMED GALVANIZED METAL, PAINT FINISH COLOR TO BE SELECTED BY OWNER. DOOR MFGS- Ceco Door Systems, Steelcraft Door Co.	1. FRAME TO ALLOW FULL 180° DOOR SWING TO WALL FACE. 2. SEAL /TRIM AROUND FRAME IN EXTERIOR OPENING. 3. FULLY WEATHERSTRIP FOR AIR INFILTRATION. 4. DOOR HEAD DRIP CAP TO BE INSTALLED ON FRAME w/ HARDWARE BY MFG. 5. PROVIDE LOW PROFILE DOOR SADDLE TRANSITION AT NEW TO OLD SLAB 6. PROVIDE DOOR CLOSER w/INTERSECTION SYSTEMS INTERCONNECTED TO FIRE ALARM SYSTEM 7. PROVIDE L.V. POWER FOR ELEC STRIKE AND CARD READER/ OWNER'S ACCESS CONTROL SYSTEMS.



DOOR TYPES



FRAME TYPES

FINISH SCHEDULE

		NEW CORR. SEALED										4" RUBBER CORE BASE										6" RUBBER CORE BASE										SEALANT AT JNL & LAMP PANEL										LATCH PANEL CORNELL										IMPERIAL ROOF PANEL GLOSS										DRG. FINED CDSUM BLD. PAINTED										NEW LATCH LAMP PANEL TO MATCH										PAINTED CDSUM BLD.										FACED INSULATION TO BE EXPOSED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		CS										FB1	FB2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

Finish Remarks
1. METAL WALL LINER FULL HEIGHT THIS ROOM. 2. CONCRETE FLOOR AREA IN THIS ROOM TO BE MEDIUM BROOM FINISH ON RAMP. 3. AREAS OF GYPSUM BOARD WALL, WHERE OCCURS FROM GRID 1 TO 5 THIS ROOM TO HAVE 6" HIGH WALL BASE. 4. TAPE/FINISH PRIME AND PAINT GYPSUM BOARD WHERE OCCURS ON EAST WALL. 5. TAPE/FINISH PRIME AND PAINT GYPSUM BOARD WHERE OCCURS ON SOUTH WALL. 6. TAPE/FINISH PRIME AND PAINT GYPSUM BOARD WHERE OCCURS ON NORTH, WEST WALL. 7. FRP PANELS 8ft HEIGHT AT MOP SINK WALL. 8. METAL WALL LINER FULL HEIGHT AT EXTERIOR WALLS IN THIS ROOM.

FLOOR COVERINGS

FLOOR BASE
FB1 Coiled rubber cove base to be Johnsonite 4" cove wall base, Color to be #38 'PEWTER-CG' or Selected by owner from manufacturer's standard color range. FB2 Coiled rubber cove base to be Johnsonite 6" cove wall base, Color to be #38 'PEWTER-CG' or Selected by owner from manufacturer's standard color range.

FIBERGLAS REINF. PANELS

FRP Marlite FRP 'SMOOTH' 'BRIGHT WHITE' P199 COLOR, Class 'A' rating (4ft Ht WAINSCOT at toilets, Eyewash/DF INSET). Apply to all wall faces, Provide PVC Trim edges and inside/outside Trim pieces. Coordinate w/ MFG's STANDARD details

URINAL SCREEN PANEL

ASI Solid Plastic HDPE, 'Dove Gray'COLOR Class 'N'PFA 286' B rating, 2ft w. 4ft ht WALL HUNG, Cont Mtg Angle. Anchor to wall blocking/Reinforcement, Coordinate w/ MFG's STANDARD details

MISCELLANEOUS FINISHES

Electrical devices, switch plates and outlet plates to be 'WHITE' devices. Interior doors are to be flush panel, honeycomb core (Insulated at Exterior), 18 ga steel with primed paint grade surface- field painted finish. Similar or equal to STEELCRAFT 'SL Series' Doors. Field finish point color will be selected from Mfg's standard point colors. Submit finish sample for approval. Interior door frames are to be primed, 16 ga steel, drywall frame. sim. OR Equal to STEELCRAFT Exterior door frames are to be primed, 16 ga steel, welded frame. sim. OR Equal to STEELCRAFT 'F Series'. Door hardware-Falcon, 'K' Series, "DANE" satin chrome finish steel-US26D. Latch sets/ locksets to be LEVER style ADA compliant locksets. Provide matching finish Hager mortise hinges and/or miscellaneous hardware.
--

CEILINGS

PAINTED GYPSUM BOARD CEILINGS
Notes: Paint all gyp. bd. ceilings as indicated on finish schedule. Refer to reflected ceiling plans for gypsum board ceiling locations. CP1 Ceiling paint to be Sherwin Williams 'Pure White' # SW 7005, flat finish latex. (used throughout on gyp. bd. ceilings) Ceiling paint color selection to be verified with owner.

WALL FINISHES

WALL PAINT
Typical point to be Sherwin Williams or Benjamin Moore eg-shell finish with stain resistance and cleaning ability. Use Semi-gloss at toilets areas. Painting contractor should apply a minimum of two coats coverage. Wall texture to be very light orange peel texture to walls. Submit texture panel for approval. Match the existing walls ALL INTERIOR COLORS ARE TO BE VERIFIED BY THE OWNER. WP1 Wall paint to be Sherwin Williams OR EQUAL by Benjamin Moore, eg-shell finish latex enamel. (Used throughout unless noted otherwise.) Number SW7004 'Snowbound' WP2 Wall paint to be Sherwin Williams OR EQUAL by Benjamin Moore, semi-gloss finish latex enamel. (Color to be selected by Owner) Number SW7004 'Snowbound' WP3 Trim paint to be Sherwin Williams OR EQUAL by Benjamin Moore, satin finish enamel. (All interior hollow metal door and door frames) Number SW7004 'Snowbound'
EXTERIOR PAINT
ALL EXTERIOR COLORS ARE TO BE VERIFIED BY THE OWNER. WPext H.M. Door paint to be Sherwin Williams OR EQUAL by Benjamin Moore, satin finish enamel. (All exterior hollow metal door and door frames) Number SW----- 'Match to the Metal Wall panel Color'



General Contractor:



3301 N 2nd Street
Rogers, Arkansas 72758
479.659.7800

Press Addition



1755
S Armstrong Ave
Fayetteville, Arkansas

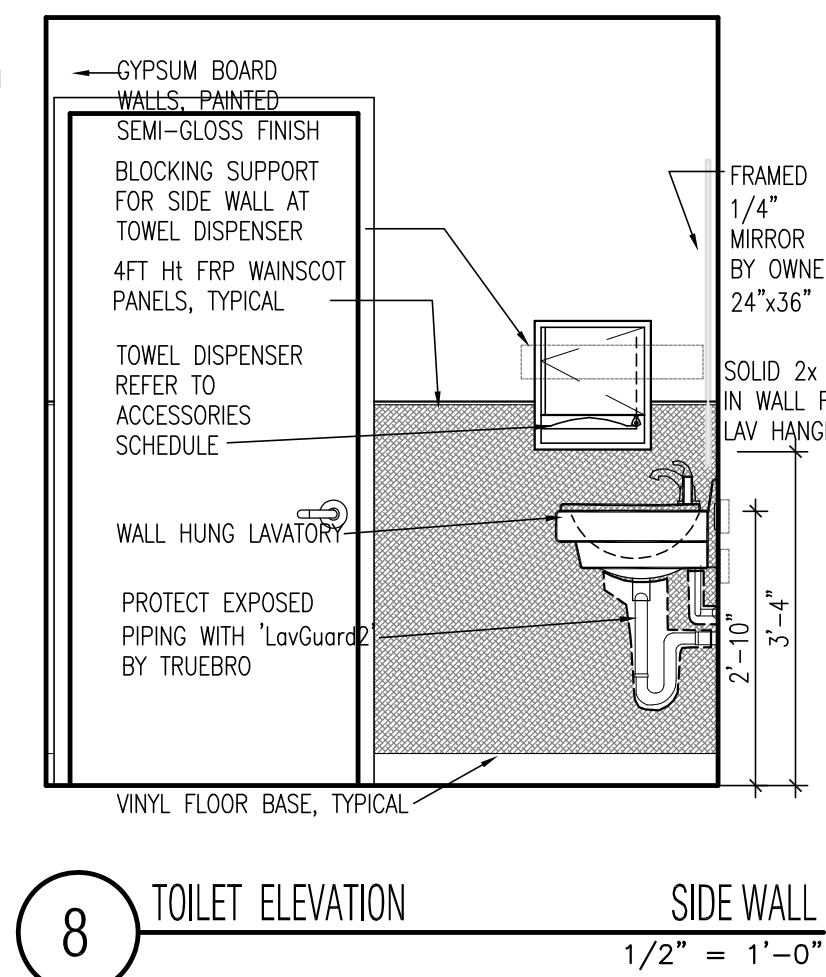
Sheet Contents:

FINISH SCHEDULE
DOOR SCHEDULE

Drawing Name: PacSpec Press A3-1.DWG
Date: 02.04.26
Revisions:

Sheet Number:

A3.1



BOARD PAINTED
CEILING, PAINTED
SEMI-GLOSS
SS FINISH FINISH

GYPSON BOARD
WALLS, PAINTED
SEMI-GLOSS
FINISH

FRAMED 1/4"
MIRROR BY
OWNER 24"x36"

SOLID 2x BLKG
IN WALL FOR
LAV HANDERS

3'-4"
2'-10"

TOWEL DISPENSER
REFER TO
ACCESSORIES
SCHEDULE

BLOCKING SUPPORT FOR
SIDE WALL AT TOWEL
DISPENSER

4FT. 9H FRP WAINSCOT
PANELS, TYP

WALL HUNG LAVATORY

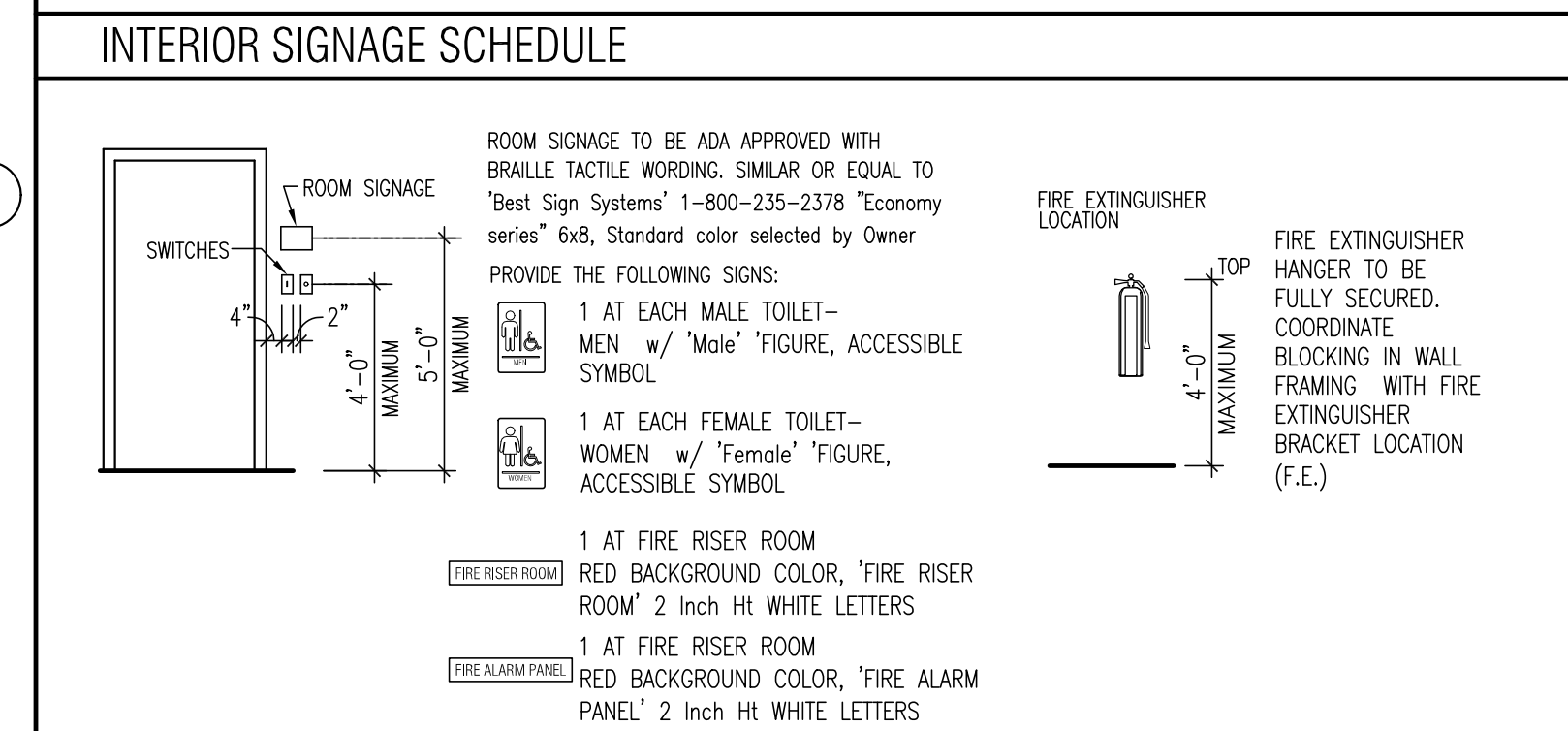
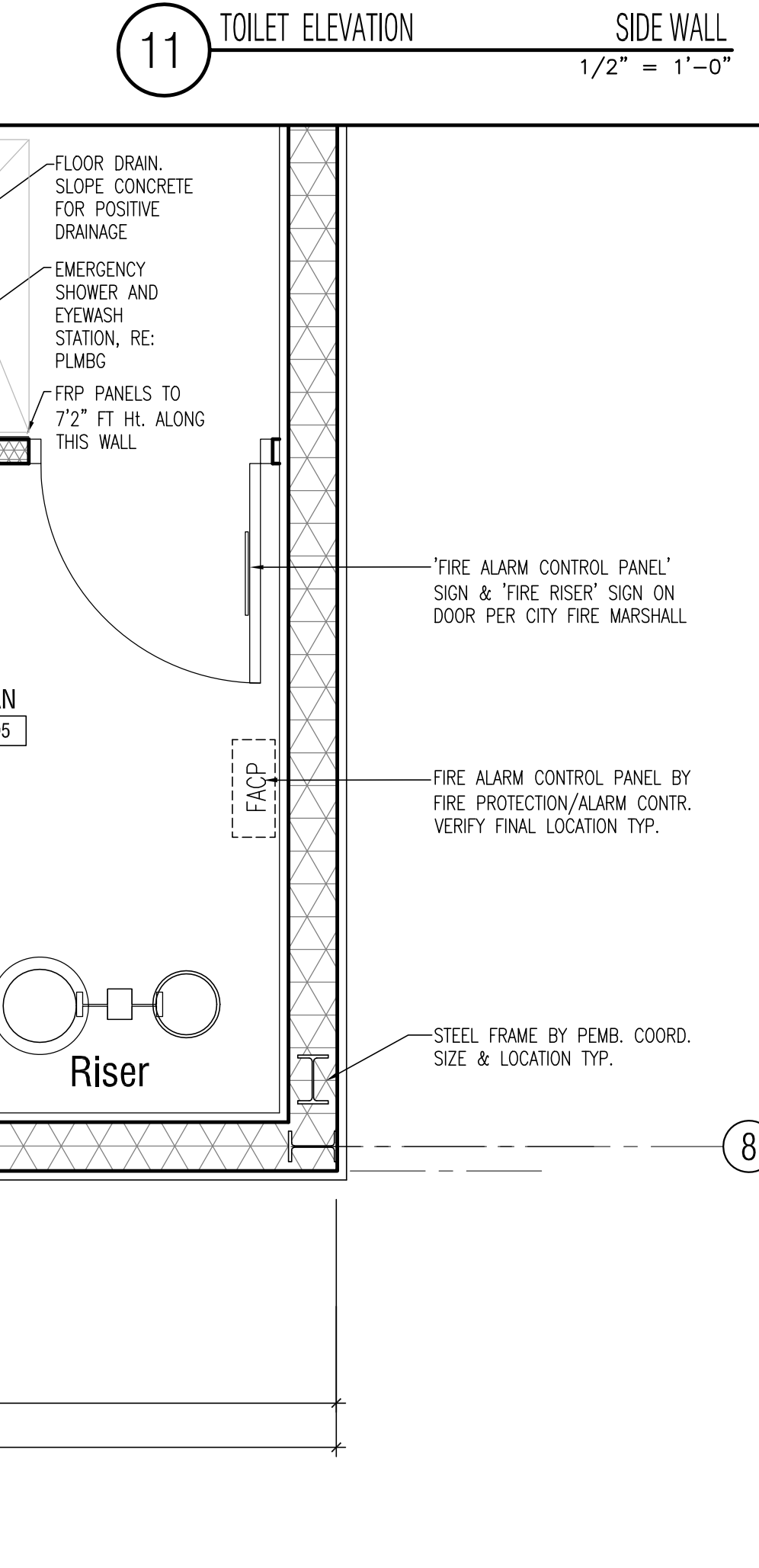
PROTECT EXPOSED PIPING
WITH "InGuard" 2' BY
TRUEBO

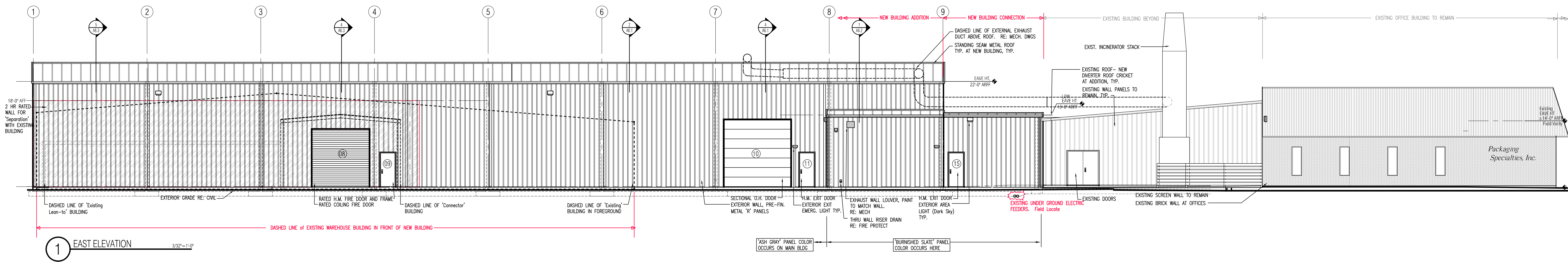
VINYL FLOOR BASE, TYPICAL

11 TOILET ELEVATION

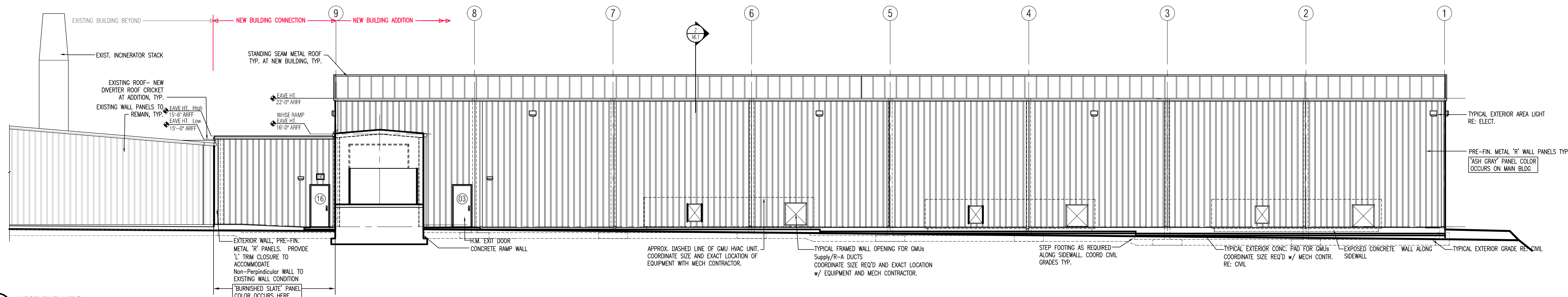
SIDE WALL

1/2" = 1'-0"

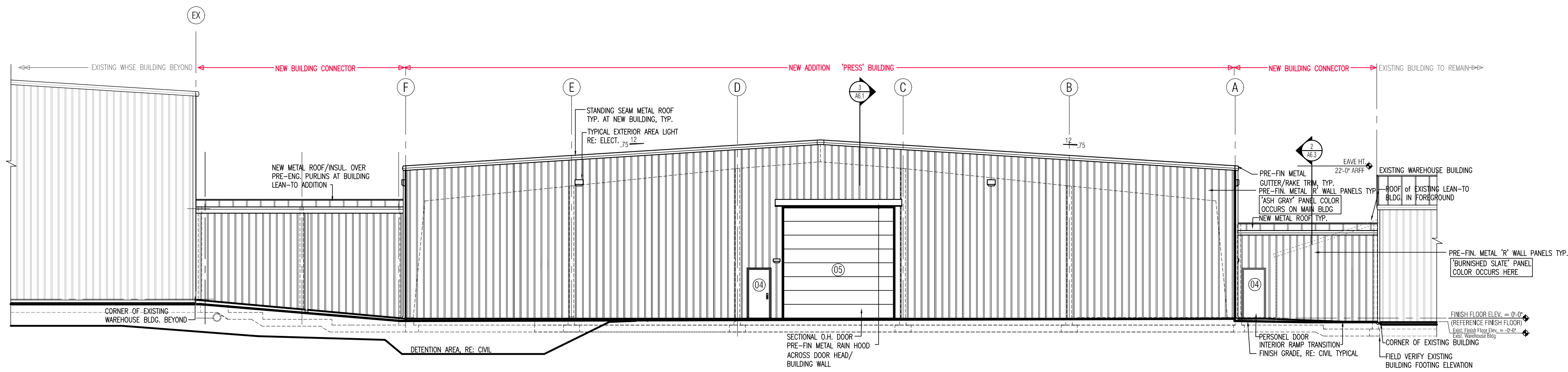




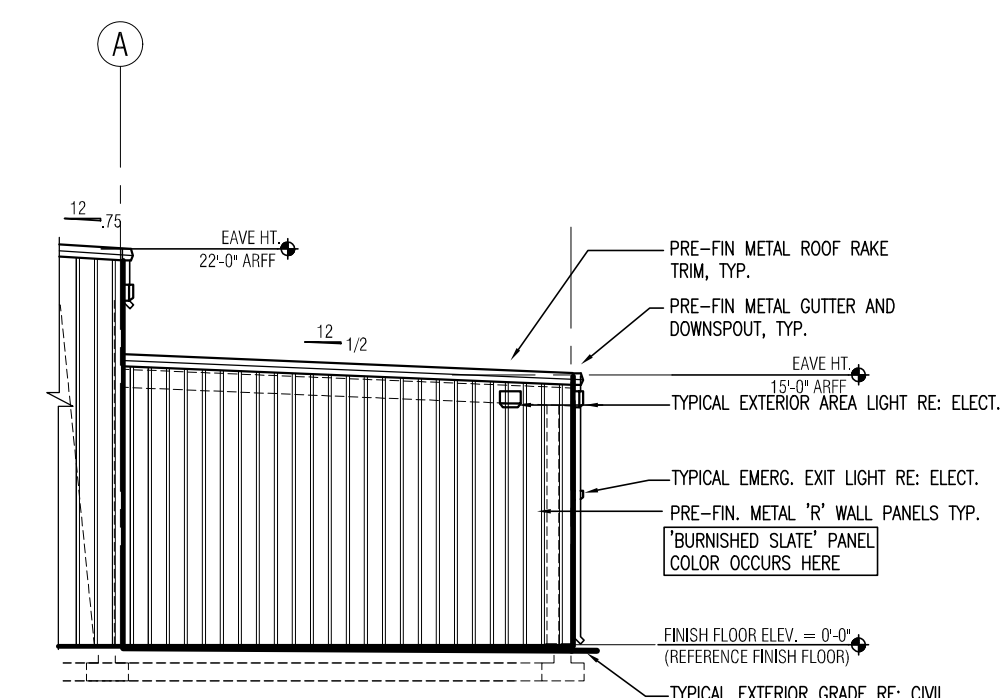
1 EAST ELEVATION



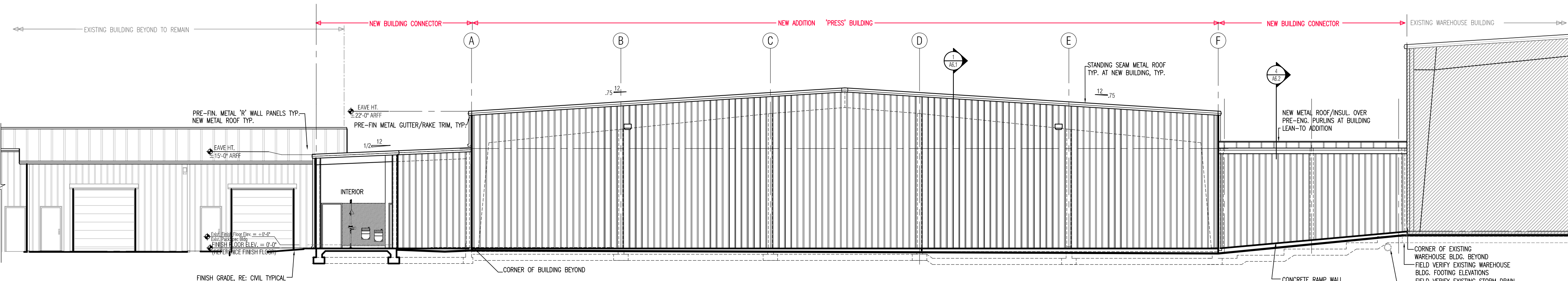
2 WEST ELEVATION



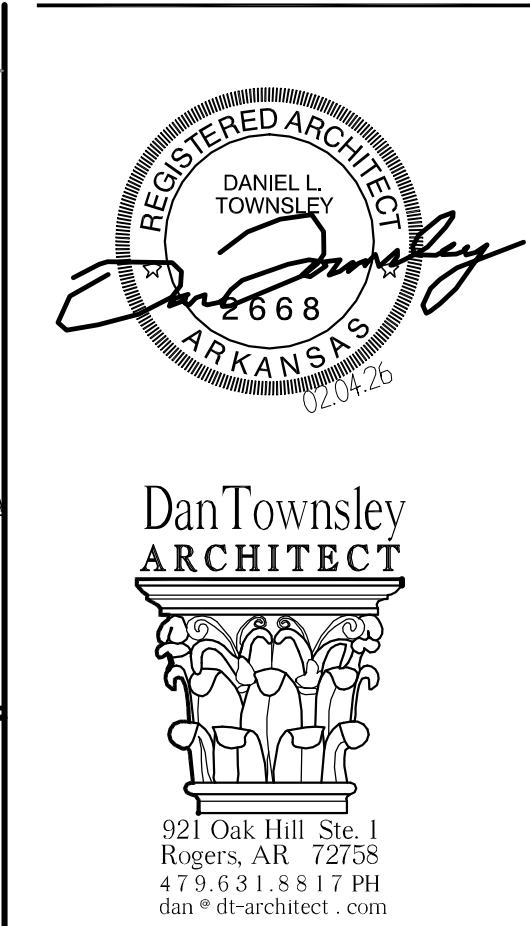
3 SOUTH ELEVATION



5 SOUTH ELEVATION AT 'Ramp'



4 NORTH ELEVATION



General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



1755
S Armstrong Ave
Fayetteville, Arkansas

Sheet Contents:

EXTERIOR ELEVATIONS

Drawing Name: PacSpec Press A4-1.DWG
Date: 02.04.26
Revisions:

Sheet Number:

A4.1



General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479. 659. 7800

Press Addition



1755
S Armstrong Ave
Fayetteville, Arkansas

Sheet Contents:

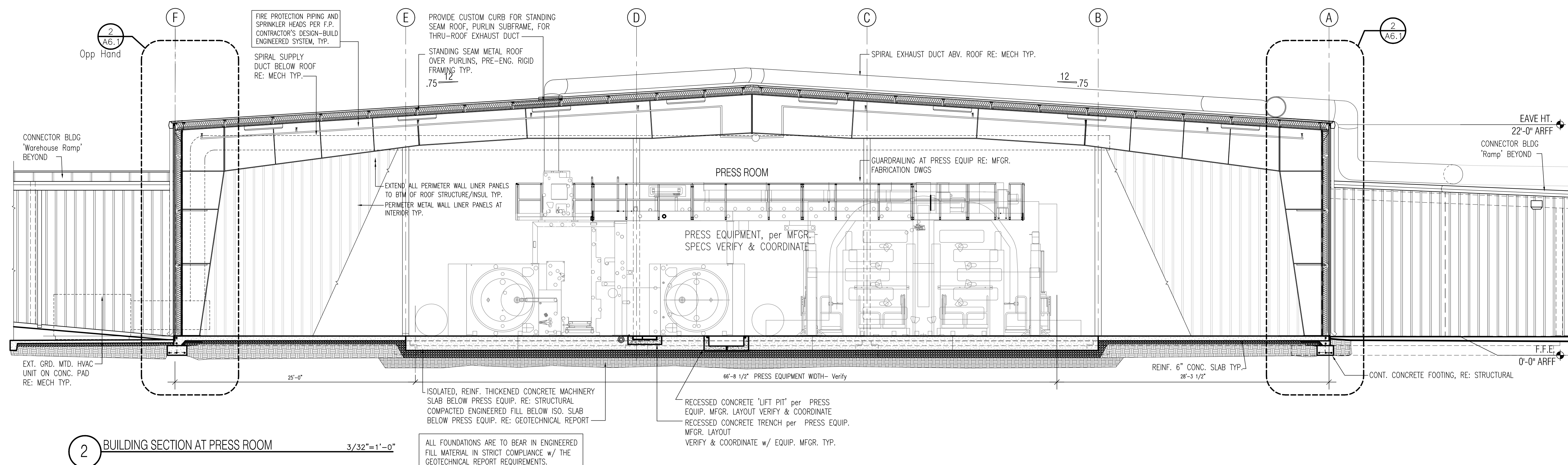
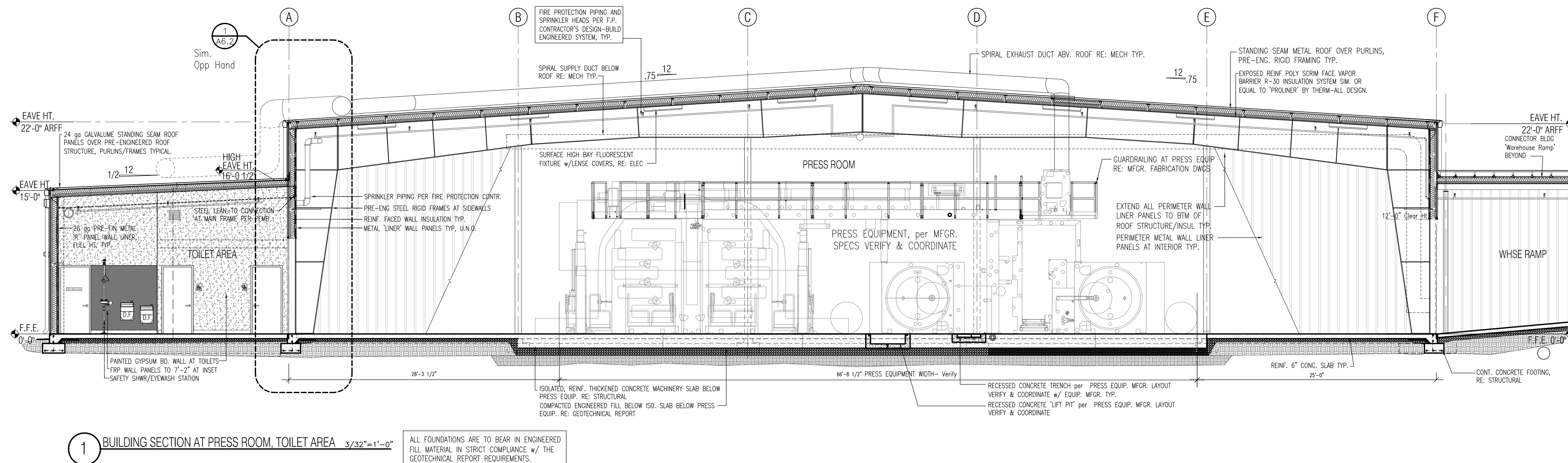
PRESS AREA
BUILDING SECTION

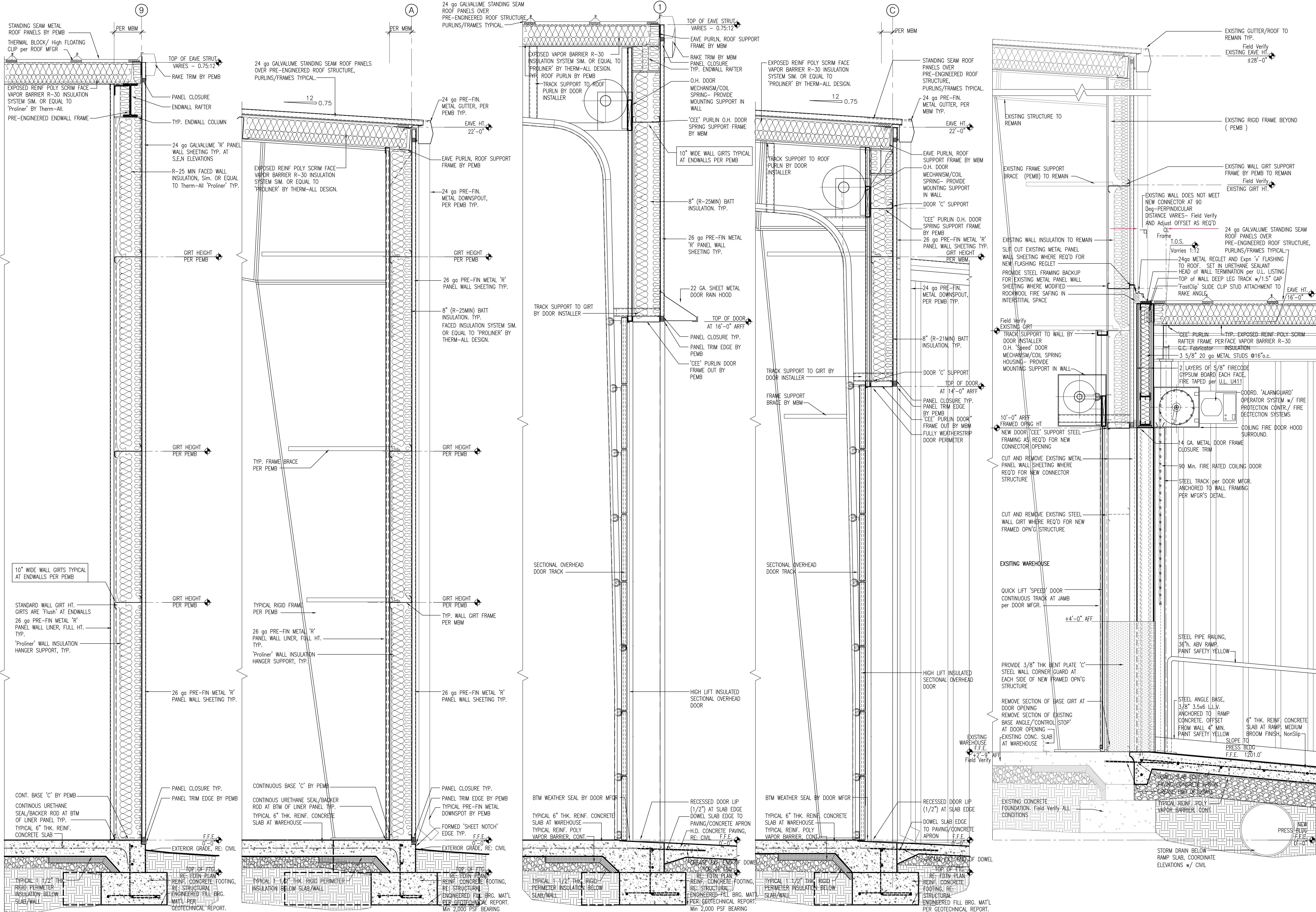
Drawing Name: PacSpec Press A5-1.DWG
Date: 02.04.2006
Revisions:

Sheet Number:

A5.1

Copyright ©2026 N A B H O L Z Construction





1 SECTION AT ENDWALL

3/4" = 1'-0"

2 SECTION AT SIDEWALL

3/4" = 1'-0"

3 SECTION AT SOUTH O.H. DOOR

3/4" = 1'-0"

4 SECTION AT EAST O.H. DOOR

3/4" = 1'-0"

5 SECTION AT RAMP WALL

3/4" = 1'-0"

General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



1755
S Armstrong Ave
Fayetteville, Arkansas

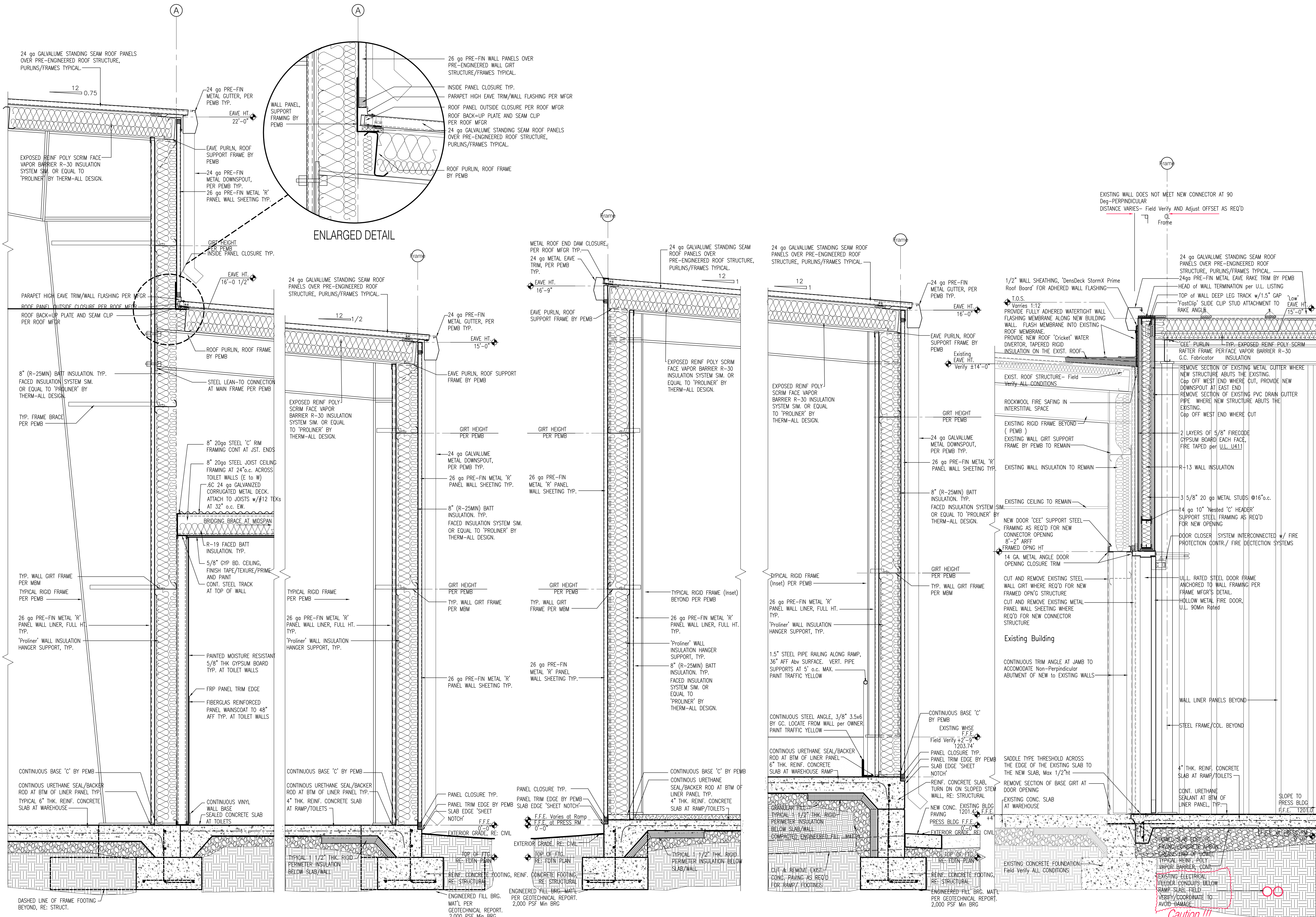
Sheet Contents:

WALL SECTIONS

Drawing Name: PacSpec Press A6-1.DWG
Date: 02.04.26
Revisions:

Sheet Number:

A6.1



Dan Townsley
ARCHITECT



921 S Oak Hill Ste. 1
Rogers, AR 72758
479.631.8817 PH
dan@dt-architect.com

General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



**PACKAGING
SPECIALTIES, INC.**
Outstanding 50 years

1755
S Armstrong Ave
Fayetteville, Arkansas

Sheet Contents:

WALL SECTIONS

Drawing Name: PacSpec Press A6-2.DWG

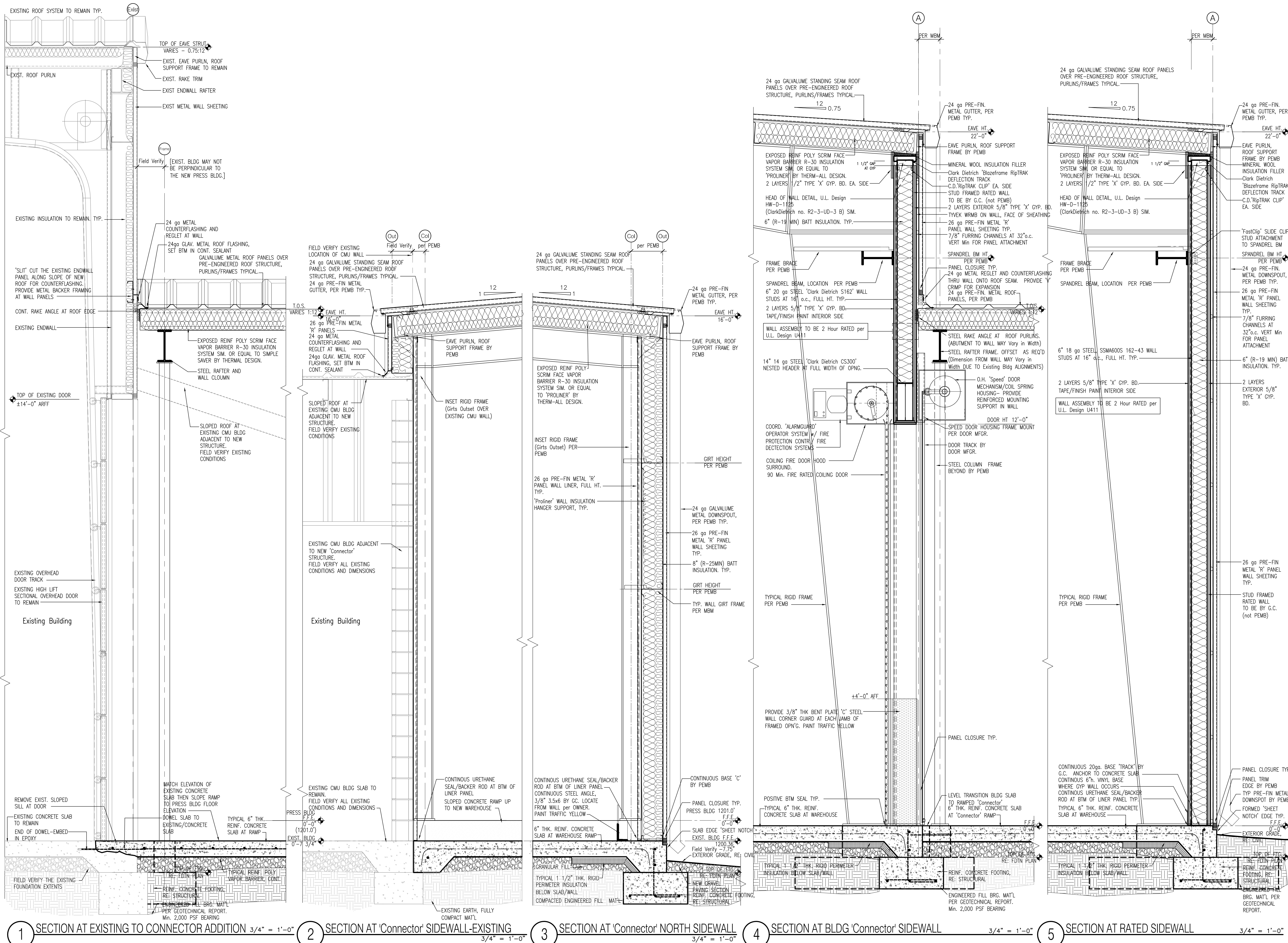
Date: 02.04.26

Revisions:

Sheet Number:

A6.2

Copyright ©2026 NABHOLZ Construction



Dan Townsley
ARCHITECT

921 S Oak Hill Ste. 1
Rogers, AR 72758
479.631.8817 PH
dan@dt-architect.com

General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



1755
S Armstrong Ave
Fayetteville, Arkansas

Sheet Contents:
WALL SECTIONS

Drawing Name: PacSpec Dock A6-3.DWG
Date: 02.04.26
Revisions:

Sheet Number:

A6.3

Copyright ©2026 N A B H O L Z Construction

GENERAL NOTES

- IN CASES OF DISCREPANCIES IN DIMENSIONS AND ELEVATIONS BETWEEN STRUCTURAL AND ARCHITECTURAL DRAWINGS, CONTRACTOR SHALL COORDINATE WITH ARCHITECT PRIOR TO FABRICATION AND CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE TEMPORARY GUYS AND BRACING AS REQUIRED DURING CONSTRUCTION. STRUCTURE IS NOT STABLE UNTIL ALL STRUCTURAL MEMBERS, CONNECTIONS, AND DECKING ARE IN PLACE.
- FIELD VERIFY ALL EXISTING CONDITIONS. NOTIFY DESIGN TEAM WHEN EXISTING CONDITIONS ARE IN CONFLICT WITH THE CONSTRUCTION DOCUMENTS.
- THE FOUNDATIONS AND STRUCTURAL FRAMING HAVE BEEN DESIGNED TO RESIST SEISMIC FORCES PER THE INTERNATIONAL BUILDING CODE REFERENCED IN THE LOAD TABLE IN ACCORDANCE WITH THE REQUIREMENTS OF ACT 1100 OF THE 1991 ARKANSAS STATE LEGISLATURE. THE REQUIRED SEISMIC DESIGN DATA IS AS SHOWN IN THE LOAD TABLE.

STANDARD ABBREVIATIONS		
# - NUMBER	LLH - LONG LEG HORIZONTAL	
@ - AT	LLV - LONG LEG VERTICAL	
Ø - DIAMETER	LO - LOW	
AB - ANCHOR BOLT/ANCHOR ROD	LOC/LOCS - LOCATION(S)	
ADDL - ADDITIONAL	LONG - LONGITUDINAL	
AFF - ABOVE FINISHED FLOOR	LSH - LONG SIDE HORIZONTAL	
ALT - ALTERNATE/ALTERNATING	LSL - LAMINATED STRAND LUMBER	
ARCH - ARCHITECT/ARCHITECTURAL	LSV - LONG SIDE VERTICAL	
BB - BOND BEAM	LVL - LAMINATED VENEER LUMBER	
BO - BOTTOM OF	MAX - MAXIMUM	
BOF - BOTTOM OF FOOTING	MECH - MECHANICAL	
FOUNDATION	MEP - MECHANICAL/ELECTRICAL	
BOS - BOTTOM OF STEEL	PLUMBING	
BT - BOTTOM	MFR - MANUFACTURER	
BKG - BEARING	MIN - MINIMUM	
BTWN - BETWEEN	MTL - METAL	
CANT - CANTILEVER	NTS - NOT TO SCALE	
CFS - COLD FORMED STEEL	OC - ON CENTER	
CJ - CONTROL JOINT	OD - OUTSIDE DIAMETER	
CL - CENTER LINE	OH - OVERHEAD/OVERHANG	
CLR - CLEAR	OPNG - OPENING	
CMU - CONCRETE MASONRY UNIT	OPP HAND - OPPOSITE HAND	
COL - COLUMN	OWSJ - OPEN WEB STEEL JOIST	
CONC - CONCRETE	PAF - POWDER ACTUATED FASTENER	
CONT - CONTINUOUS	PED - PEDESTAL	
CTR - CENTER/CENTERED	PEMB - PRE-ENGINEERED METAL BUILDING	
DBA/DBAS - DEFORMED BAR ANCHOR(S)	PEWT - PRE-ENGINEERED WOOD TRUSS	
DBE - DECK BEARING ELEVATION	PL - PLATE	
DBL - DOUBLE	PLCS - PLACES	
DIM/DIMS - DIMENSION(S)	PROJ - PROJECTION	
DL - DEAD LOAD	PSL - PARALLEL STRAND LUMBER	
DWL/DWLs - DOWNEL(S)	PVMT - PAVEMENT	
E - SEISMIC LOAD (EARTHQUAKE)	QUAD - QUADRUPLE	
EA - EACH	REIN - REINFORCEMENT	
EL - ELEVATION	REQ/REQD - REQUIRE(S)/REQUIREMENT	
EMBED - EMBEDMENT/EMBEDDED	REIN - REINFORCEMENT	
EOR - ENGINEER OF RECORD	SCHED - SCHEDULE	
EPA - EFFECTIVE PROJECTED AREA	SIM - SIMILAR	
EQ - EQUIVALENT	SIP/SIPS - STRUCTURAL INSULATED PANEL(S)	
EQUIP - EQUIPMENT	SL - SNOW LOAD	
EW - EACH WAY	SQ - SQUARE	
EXP - EXPANSION	SS - STAINLESS STEEL	
EXST - EXISTING	STL - STEEL	
EXT - EXTERIOR	SYMM - SYMMETRICAL	
FDTN - FOUNDATION	TAB - TOP & BOTTOM	
FF EL - FINISHED FLOOR ELEVATION	TBE - TRUSS BEARING ELEVATION	
FIN - FINISH	TEMP - TEMPORARY/TEMPERATURE	
FLR - FLOOR	TO - TOP OF	
FTG - FOOTING	TOP - TOP OF BEAM	
FV - FIELD VERIFY	TOT - TOP OF CONCRETE	
GA - GAUGE/GAGE	TOT - TOP OF FOOTING/FOUNDATION	
GALV - GALVANIZED	TOS - TOP OF STEEL	
GEN - GENERAL	TOW - TOP OF WALL	
HDR - HEADER	TRANS - TRANSVERSE	
HI - HIGH	TRIP - TRIPLE	
HORIZ - HORIZONTAL	TYP - TYPICAL	
INS - INSIDE DIAMETER	UNO - UNLESS NOTED OTHERWISE	
INSUL - INSULATED/INSULATION	VERT - VERTICAL	
INT - INTERIOR	W - WITH	
JB - JOIST BEARING ELEVATION	WL - WIND LOAD	
K - KIPS (1000 LBS)	WWR - WELDED WIRE REINFORCEMENT (MESH/FABRIC)	
L - L		
LAT - LATERAL		
LBS - POUNDS		
LL - LIVE LOAD		
NOTES:		
1. NOT ALL ABBREVIATIONS ARE USED ON EACH SHEET. THIS INFORMATION IS FOR REFERENCE ONLY.		

FOUNDATION NOTES

- A SOIL INVESTIGATION HAS BEEN DONE FOR THIS SITE BY McLELLAND CONSULTING ENGINEERS ON 11/07/2025 CONTACT THE OWNER AND/OR ARCHITECT FOR A COPY OF THE GEOTECHNICAL REPORT.
- IN THE AREA OF THE BUILDING, EXISTING ORGANIC MATERIAL, UNSUITABLE SOIL, ABANDONED FOOTINGS, PAVEMENT AND OTHER DELETERIOUS MATERIALS SHALL BE REMOVED.
- ALL UNDERCUTTING, SITE PREPARATION, FILL SELECTION, BACKFILLING AND COMPACTION SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF A SOILS ENGINEER.
- TESTING OF CONTROLLED STRUCTURAL FILL SHALL BE PERFORMED BY A QUALIFIED TESTING LABORATORY IN ACCORDANCE WITH THE SPECIAL INSPECTION NOTES.
- EXCAVATION FOR FOOTINGS SHALL BE CUT TO ACCURATE SIZE AND DIMENSIONS AS SHOWN ON PLANS. ALL SOIL BELOW SLABS AND FOOTINGS SHALL BE PROPERLY COMPACTED AND SUBGRADE BROUGHT TO A REASONABLE TRUE AND LEVEL PLANE BEFORE PLACING CONCRETE.
- AFTER EXCAVATION FOR FOUNDATIONS AND PRIOR TO PLACEMENT OF STEEL REINFORCEMENT OR CONCRETE, NOTIFY SOILS ENGINEER FOR INSPECTION OF SOIL CONDITIONS.
- FOOTINGS SHALL BEAR AT MINIMUM DEPTHS AS NOTED IN FOOTING SECTIONS AND PLANS OR INTO APPROVED BEARING STRATA, WHICHEVER DEPTH IS GREATER. NOTE THAT FOOTING BEARING ELEVATIONS GIVEN ON THE PLANS ARE ESTIMATED DEPTHS ONLY. WHERE UNSUITABLE SOIL IS ENCOUNTERED OR WHERE FINISHED EXTERIOR GRADE VARIES FROM THE ASSUMED EXTERIOR GRADE, FOOTING DEPTHS MAY VARY.
- CONTINUOUS SPREAD FOOTINGS AND ISOLATED FOOTINGS ARE DESIGNED FOR THE ASSUMED SOIL PROPERTIES AS SPECIFIED IN THE LOAD TABLE. FOR EITHER NATURALLY OCCURRING SOIL OR COMPACTED ENGINEERED FILL. AFTER FOOTING EXCAVATIONS HAVE BEEN MADE TO DESIGN ELEVATIONS, THE INDEPENDENT TESTING AGENCY EMPLOYED BY THE OWNER SHALL INSPECT AND TEST THE BEARING SOIL. WHEN SOIL OF INADEQUATE STRENGTH IS NOTED, CONTRACTOR SHALL FURTHER EXCAVATIONS UNTIL SUITABLE BEARING CONDITIONS ARE VERIFIED BY TESTING. OVER EXCAVATIONS MAY BE BACKFILLED WITH SUITABLE COMPACTED ENGINEERED FILL, SUITABLE GRANULAR BASE, LEAN CONCRETE OR STRUCTURAL COMPACTED BACKFILL.
- IF BEDROCK IS ENCOUNTERED IT SHALL BE OVER-EXCAVATED TO ALLOW PLACEMENT OF A MINIMUM OF 12" OF COMPACTED LOW PLASTICITY EARTH FILL OR COMPACTED BASE ROCK BELOW FOOTINGS.

DEFERRED SUBMITTAL NOTES

- IN ACCORDANCE WITH IBC SECTION 1073.4.1 SPECIALTY ITEMS AND PRE-ENGINEERED COMPONENTS SHALL BE SUBMITTED FOR APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE BUILDING OFFICIAL.
- DEFERRED SUBMITTALS ARE REQUIRED FOR THE FOLLOWING:
 - PRE-ENGINEERED METAL BUILDING (PEMB)
- SUBMITTALS SHALL BE SEALED BY THE "SPECIALTY ENGINEER" LICENSED IN THE STATE THE PROJECT IS LOCATED AND SHALL INCLUDE THE FOLLOWING:
 - CALCULATIONS
 - LINE-WORK DEPICTING LOAD MAGNITUDES AND LOCATIONS
 - ERECTION AND/OR DESIGN DRAWINGS
- SUBMITTALS RECEIVED BY OUR FIRM SHALL BEAR A REVIEW STAMP FROM THE GENERAL CONTRACTOR OR IT WILL BE REJECTED.
- THE STRUCTURAL ENGINEER OF RECORD'S REVIEW IS LIMITED TO LOADING CRITERIA, VERIFYING CONNECTIONS ARE CONSISTENT WITH THE CONTRACT DOCUMENTS, AND VERIFYING THAT THE BASE STRUCTURE CAN SUPPORT THE LOADS PROVIDED.
- SUBMITTALS THAT ARE RECEIVED WHICH HAVE BEEN REJECTED DUE TO LACK OF COORDINATION WITH THE CONTRACT DOCUMENTS WILL BE RE-REVIEWED ON AN HOURLY BASIS AT THE EXPENSE OF THE SUBMITTING PARTY.

CONCRETE NOTES

- CONCRETE WORK SHALL CONFORM TO BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318) AND SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301), LATEST EDITION.
- CONCRETE SHALL BE CONTROLLED CONCRETE, PROPORTIONED, MIXED AND PLACED UNDER THE SUPERVISION OF AN APPROVED CONCRETE TESTING AGENCY. SEE THE SPECIAL INSPECTION NOTES FOR ADDITIONAL INFORMATION.
- INSTALL GROUT BELOW STEEL BASE PLATES AFTER BUILDING IS PLUMBED AND PRIOR TO LOADING STRUCTURE. GROUT SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF 6000 PSI. GROUT SHALL BE NONMETALLIC & NONSHRINK, COMPLYING WITH ASTM C-1107. SEE STRUCTURAL STEEL NOTES FOR ADDITIONAL INFORMATION.
- IF ADDITIONAL FLOWABILITY IS REQUIRED FOR PLACEMENT OF ANY CONCRETE MIX, A WATER-REDUCING ADITIVE CONFORMING TO ASTM C494, TYPE A, SHALL BE USED. NO ADDITIONAL WATER MAY BE ADDED TO THE MIX.
- FLY ASH MAY BE USED AS A ONE TO ONE REPLACEMENT FOR THE CEMENT UP TO 20% OF THE TOTAL CEMENT CONTENT AS LONG AS THE AMBIENT TEMPERATURE IS ABOVE 50 DEGREES FAHRENHEIT.
- DO NOT AIR ENTRAIN CONCRETE TO BE USED FOR FLOORS WITH A TROWELED FINISH. DO NOT ALLOW ENTRAPPED AIR CONTENT TO EXCEED 3%.
- FINE AND COARSE AGGREGATE SHALL MEET THE REQUIREMENTS OF ASTM C33 FOR GRADING SIZE, PARTICLE DISTRIBUTION, DELETERIOUS CONTENT, SOUNDNESS AND CHERT. COURSE AGGREGATES SHALL MEET THE REQUIREMENTS OF ASTM C33 TABLE 3 CLASS 45. FINE AGGREGATE MAY BE NATURAL OR MANUFACTURED SAND FROM QUARRIES OR PITTS WHICH HAVE GIVEN SATISFACTORY SERVICE PERFORMANCE WHEN EXPOSED IN A SIMILAR MANNER TO THAT TO BE ENCOUNTERED.
- ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE. LAP ALL SPLICES IN ACCORDANCE WITH THE REBAR SPLICE & DEVELOPMENT LENGTH SCHEDULE. WELDED WIRE REINFORCEMENT (WWR) SHALL CONFORM TO ASTM A1064, GRADE 65. LAP WWR AT LEAST TWO CROSS WIRES PLUS AN ADDITIONAL 2" INCHES ON SIDES AND ENDS (CROSS WIRE SPACING + 2"). MAINTAIN WIRE 1" TO 2" BELOW TOP SURFACE OF SLABS.
- WHERE FOOTINGS, WALLS, OR OTHER STRUCTURAL ELEMENTS INTERSECT, CORNER OR TEE, PROVIDE CORNER BARS WITH REQUIRED LAP LENGTHS TO PROVIDE CONTINUITY OF HORIZONTAL REINFORCING, UNLESS NOTED OTHERWISE.
- COLD-WEATHER PLACEMENT SHALL COMPLY WITH ACI 308R.
- HOT-WEATHER PLACEMENT SHALL COMPLY WITH ACI 305R.
- CONCRETE SLABS SHALL BE FINISHED TO THE FOLLOWING TOLERANCES:
 - IN GENERAL USE AREAS SPECIFIED OVERALL VALUE F₁=50 F₂=33 (MINIMUM LOCAL VALUE F₁=25 F₂=17)
 - AT PRESS EQUIPMENT SPECIFIED OVERALL VALUE F₁=75 F₂=50 (MINIMUM LOCAL VALUE F₁=38 F₂=25)
- FLOOR TOLERANCE MEASUREMENTS FOR LEVELNESS AND FLATNESS SHALL BE TESTED IN ACCORDANCE WITH ASTM E1155. ACTUAL OVERALL F-NUMBERS SHALL BE CALCULATED USING THE INFERIOR/SUPERIOR AREA METHOD.
- ALL FLOOR TOLERANCE MEASUREMENTS SHALL BE MADE BY THE CONTRACTOR WITHIN 24 HOURS AFTER SLAB INSTALLATION AND BEFORE SAW CUTTING OF CONTROL JOINTS. IN ALL CASES, TOLERANCE MEASUREMENTS SHALL PRECEDE THE REMOVAL OF SHORES AND FORMS. RESULTS OF ALL FLOOR PROFILE TESTS SHALL BE PROVIDED TO THE CONTRACTOR WITHIN 48 HOURS OF EACH SLAB INSTALLATION. SECTIONS OF FLOOR NOT MEETING THE MINIMUM TOLERANCES HEREIN SHALL BE REMOVED OR REPAIRED AT THE DIRECTION OF THE ARCHITECT/ENGINEER.

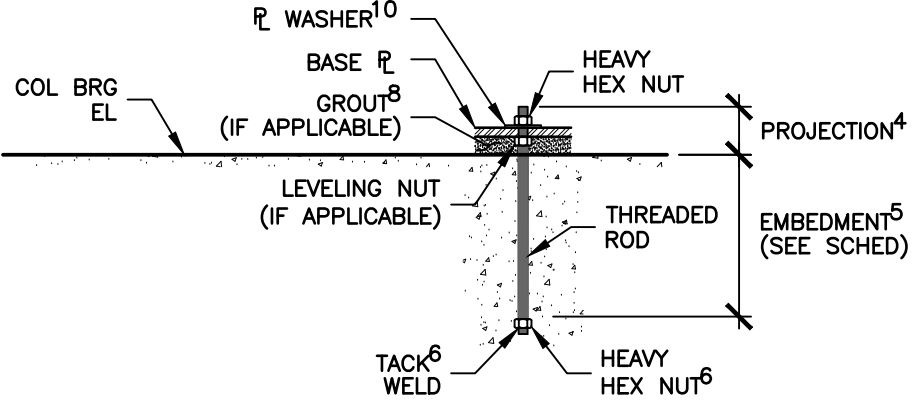
CONCRETE MIX DESIGN					
CONCRETE USES	COMPRESSIVE STRENGTH	W/C RATIO	SLUMP	AIR	MAX AGGREGATE SIZE
FOOTINGS	3000 PSI	0.52	4" ± 1"	≤ 7%	1 1/2"
FOUNDATION WALLS, INTERIOR SLABS ON GRADE	3500 PSI	0.50	4" ± 1"	≤ 3%	1 1/2"
EXTERIOR USES, SIDEWALKS, EXTERIOR SLABS ON GRADE	4000 PSI	0.45	4" ± 1"	6% ± 1%	3/4"
NOTES:					
1. SEE CONCRETE NOTES FOR ADDITIONAL INFORMATION.					
2. DESIGN CONCRETE COMPRESSIVE STRENGTH SHALL MEASURED AT 28 DAYS.					
3. NORMAL WEIGHT CONCRETE SHALL HAVE A DENSITY OF 150 PCF.					
4. LIGHTWEIGHT CONCRETE SHALL HAVE A DENSITY OF 113 PCF.					
5. WATER/CEMENT RATIO (W/C) IS MEASURED BY WEIGHT.					
6. FOR CONDITIONS OUTSIDE THE SCOPE OF THIS SCHEDULE, CONTACT ENGINEER FOR ADDITIONAL GUIDANCE.					

REBAR SPLICE & DEVELOPMENT LENGTHS									
DEVELOPMENT LENGTHS (IN)									
BAR SIZE	STRAIGHT DOWEL TENSION ¹ DEVELOPMENT LENGTHS						COMPRESSION DEVELOPMENT LENGTHS		
	F _y = 3000 PSI		F _y = 3500 PSI		F _y = 4000 PSI		F _y = 3000 PSI to 4000 PSI		
	TOP	OTHER	TOP	OTHER	TOP	OTHER	ALL		
#3	22	17	20	16	19	15		9	
#4	29	22	27	21	25	19		11	
#5	36	28	33	26	31	24		14	
#6	43	33	40	31	37	29		17	
LAP SPLICE LENGTHS (IN)									
BAR SIZE	TENSION SPLICE LENGTHS ^{1,2} (CLASS B)						COMPRESSION SPLICE LENGTHS		
	F _y = 3000 PSI		F _y = 3500 PSI		F _y = 4000 PSI		F _y = 3000 PSI to 4000 PSI		
	TOP	OTHER	TOP	OTHER	TOP	OTHER	ALL		
#3	28	22	26	20	24	19		12	
#4	37	29	35	27	32	25		15	
#5	47	36	43	33	40	31		19	
#6	56	43	52	40	48	37		23	
NOTES:									
1. LAP SPLICE LENGTHS ARE BASED ON THE ASSUMPTION THAT BARS ARE IN CONTACT ALONG THE FULL LENGTH OF THE SPLICE.									
2. TOP BARS ARE HORIZONTAL BARS PLACED WITH AT LEAST 12" OF FRESH CONCRETE PLACED UNDER THE BARS.									
3. NORMAL WEIGHT CONCRETE & UNCOATED BARS ARE ASSUMED.									
4. CLEAR SPACING OF BARS BEING DEVELOPED MUST BE AT LEAST 2 TIMES THE BAR DIAMETER, CLEAR COVER MUST BE AT LEAST THE BAR DIAMETER.									

METAL BUILDING SYSTEM NOTES

- METAL BUILDING MANUFACTURER SHALL SUBMIT CALCULATIONS AND SHOP DRAWINGS, STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED FOR REVIEW PRIOR TO FABRICATION.
- METAL BUILDING SHALL BE DESIGNED TO RESIST THE LOADS SPECIFIED IN THE LOAD TABLE IN ACCORDANCE WITH THE REQUIREMENTS OF THE BUILDING CODE REFERENCED IN THE LOAD TABLE AND THE LATEST EDITION OF THE MBMA METAL BUILDING SYSTEMS MANUAL.
- METAL BUILDING VERTICAL BRACING SHALL CONSIST OF PORTAL FRAMES OR X-BRACING AS INDICATED AT LOCATIONS SHOWN ON PLANS. IF BRACING IS NOT SHOWN, METAL BUILDING MANUFACTURER SHALL COORDINATE LOCATION OF ALL BRACES TO MINIMIZE INTERFERENCE WITH ARCHITECTURAL FEATURES, MECHANICAL EQUIPMENT AND DUCTS. ROD OR CABLE BRACES MAY NOT BE SUBSTITUTED WHERE PORTAL FRAMES ARE SHOWN.
- VERIFY COLUMN PEDESTAL SIZES WITH METAL BUILDING MANUFACTURER. PROVIDE FULL BEARING UNDER BASE PLATES AND 2" MINIMUM CONCRETE COVER AROUND ANCHOR BOLTS.
- CONCENTRATED LOADS SUPPORTED BY THE ROOF STRUCTURE SUCH AS CEILINGS, PIPE HANGERS, MECHANICAL DUCT WORK, ELECTRICAL FIXTURES, ETC. SHALL BE ATTACHED TO PURLINS OR BEAMS. CONNECTIONS SHALL BE THRU WEB OF PURLINS. DO NOT DRILL HOLES IN THE FLANGES. DO NOT SUSPEND FROM CEILING OR METAL DECK.
- PROVIDE WIND GIRTS OR EAVE STRUTS AS INDICATED ON THE ARCHITECTURAL WALL SECTIONS.
- SEE MEP DRAWINGS FOR ROOF MOUNTED MECHANICAL EQUIPMENT WEIGHTS AND LOCATIONS. COORDINATE CURBS AND SUPPORTS WITH MECHANICAL CONTRACTOR.
- FOUNDATION DESIGN INDICATED IN THESE DOCUMENTS WAS BASED UPON PRELIMINARY BUILDING REACTIONS PROVIDED BY THE METAL BUILDING MANUFACTURER. WHEN THE CONTRACTOR RECEIVES FINAL BUILDING DOCUMENTS THESE SHALL BE FORWARDED TO THE ENGINEER FOR FINAL REVIEW. THE STRUCTURAL ENGINEER OF RECORD RESERVES THE RIGHT TO MODIFY THE FOUNDATION DESIGN AFTER FINAL BUILDING REACTIONS ARE PROVIDED BY THE METAL BUILDING MANUFACTURER.
- CONTRACTOR SHALL VERIFY ANCHOR BOLT LAYOUT AND BUILDING DIMENSIONS WITH PRE-ENGINEERED METAL BUILDING MANUFACTURER'S SHOP DRAWINGS BEFORE BEGINNING CONSTRUCTION.

METAL BUILDING DEFLECTION LIMITS				
MEMBER	MAXIMUM DEFLECTION RATIO	ABSOLUTE DEFLECTION LIMIT	LOAD TYPE	DIRECTION
ROOF PURLIN (w/ CEILING)	L/240	1"	LIVE ROOF, SNOW	VERTICAL
ROOF PURLIN (w/o CEILING)	L/180	1"	LIVE ROOF, SNOW	VERTICAL
MAIN FRAME (w/ CEILING)	L/240	1"	LIVE ROOF, SNOW	VERTICAL
MAIN FRAME (w/o CEILING)	L/180	1"	LIVE ROOF, SNOW	VERTICAL
WALL GIRT (w/ BRICK or CMU)	L/360	1"	WIND, SEISMIC	LATERAL
WALL GIRT (w/ METAL PANEL)	L/180	1"	WIND, SEISMIC	LATERAL
BUILDING DRIFT (SIDE SWAY) (MAIN FRAMES & PORTAL FRAMES)	H/180	1"	WIND, SEISMIC	LATERAL
DIAPHRAGM DISPLACEMENT (ROOF DECK or HORIZ TRUSS TYPE)	L/180	1"	WIND, SEISMIC	LATERAL
NOTES:				
1. SEE METAL BUILDING NOTES FOR ADDITIONAL INFORMATION.				
2. MEMBERS NOTED "w/ CEILING" REPRESENT METAL BUILDING MEMBERS THAT SUPPORT INTERIOR CEILING OR ARE INTENDED TO SUPPORT INTERIOR CEILING FINISHES IN THE FUTURE.				
3. BUILDING DRIFT (SIDE SWAY) APPLIES TO BOTH ORTHOGONAL DIRECTIONS OF THE BUILDING IN PLAN.				
4. DIAPHRAGM DISPLACEMENT APPLIES TO STEEL DECK DIAPHRAGM ROOFS AND HORIZONTAL TRUSS TYPE ROOFS (CABLE/ROD BRACING IN ROOF PLANE).				
5. FOR CONDITIONS OUTSIDE THE SCOPE OF THIS SCHEDULE, CONTACT ENGINEER FOR ADDITIONAL GUIDANCE.				

PEMB ANCHOR ROD SCHEDULE		
APPLICATION ³	DIAMETER ⁴	EMBEDMENT ⁵
MAINFRAMES (TYP)	1"	24"
ENDWALLS (TYP)	3/4"	18"
		
ANCHOR ROD NTS		
NOTES:		
1. PEMB = PRE-ENGINEERED METAL BUILDING		
2. SEE PEMB NOTES FOR ADDITIONAL INFORMATION.		
3. THE "APPLICATION" LISTED IN THE SCHEDULE REFERS TO THE TYPICAL LOCATION WHERE THE LISTED ANCHOR ROD IS USED. IF A GRID COORDINATE IS LISTED, IT REFERS TO THE ACTUAL LOCATION SHOWN ON THE PEMB DRAWINGS, UNLESS NOTED OTHERWISE. VERIFY EXACT ANCHOR ROD LOCATIONS WITH PEMB MANUFACTURER.		
4. SEE PEMB DRAWINGS FOR ANCHOR ROD DIAMETER, PROJECTION, GRADE, AND LOCATION. ANCHOR ROD DIMENSIONS ARE LISTED IN THIS SCHEDULE FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ANCHOR ROD DIAMETER WITH PEMB MANUFACTURER.		
5. EMBEDMENT DEPTH IS MEASURED FROM COLUMN BEARING ELEVATION, UNLESS NOTED OTHERWISE.		
6. ALTERNATIVELY, NUT AT BOTTOM OF EMBEDMENT MAY BE SECURED WITH A DOUBLE JAM NUT OR BY FOULING THE THREADS ABOVE AND BELOW.		
7. PROJECTION IS MEASURED FROM COLUMN BEARING ELEVATION, UNLESS NOTED OTHERWISE.		
8. SEE PEMB DRAWINGS FOR GROUT THICKNESS UNDER BASE PLATE, IF APPLICABLE.		
9. RODS SHALL BE CAST-IN-PLACE, UNLESS NOTED OTHERWISE.		
10. SEE PEMB DRAWINGS FOR RECOMMENDED WASHER SIZES.		
11. FOR CONDITIONS OUTSIDE THE SCOPE OF THIS SCHEDULE, CONTACT ENGINEER FOR ADDITIONAL GUIDANCE.		

SPECIAL INSPECTION NOTES

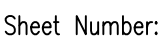
- SPECIAL INSPECTIONS SHALL BE REQUIRED IN ACCORDANCE WITH CHAPTER 17 OF THE IBC REFERENCED IN THE LOAD TABLE. THE OWNER SHALL EMPLOY A THIRD PARTY TESTING AGENCY FOR ALL TESTING STATED HEREIN. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INSPECTIONS WITH SAID INSPECTION AGENCY.
- THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE TO PERFORM THE REQUIRED INSPECTION TO THE SATISFACTION OF THE BUILDING OFFICIAL.
- THE SPECIAL INSPECTOR SHALL KEEP RECORDS OF INSPECTIONS. INSPECTION REPORTS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.
- REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK.
- A FINAL REPORT OF INSPECTIONS DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES SHALL BE SUBMITTED TO THE OWNER, BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AT THE COMPLETION OF THE STRUCTURAL PORTION OF THE WORK.
- THE THIRD PARTY TESTING AGENCY SHALL CONTACT THE STRUCTURAL ENGINEER OF RECORD PRIOR TO INITIATION OF CONSTRUCTION.
- A LETTER OF SUBSTANTIAL COMPLETION WILL NEED TO BE SUBMITTED TO BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE BEFORE THE FINAL INSPECTION CAN BE COMPLETED.

SCHEDULE OF SPECIAL INSPECTIONS			
MATERIAL/ACTIVITY		SERVICE	EXTENT
SOILS			
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY		FIELD INSPECTION	PERIODIC
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		FIELD INSPECTION	PERIODIC
PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIAL		FIELD INSPECTION	PERIODIC
VERIFY USE OF PROPER MATERIALS, DENSITIES & LIFT THICKNESS DURING PLACEMENT & COMPACTION OF CONTROLLED FILL		FIELD INSPECTION	CONTINUOUS
PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE & VERIFY THAT SITE HAS BEEN PROPERLY PREPARED		FIELD INSPECTION	PERIODIC
CONCRETE CONSTRUCTION			
INSPECTION OF REINFORCING STEEL INSTALLATION (SEE ALSO: WELDING SPECIAL INSPECTIONS)		SHOP (3) & FIELD INSPECTION	PERIODIC
INSPECTION OF PRE-STRESSING STEEL INSTALLATION		SHOP (3) & FIELD INSPECTION	PERIODIC
INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED PER SECTION 1908.5 OR WHERE DESIGN STRENGTH IS USED		SHOP (3) & FIELD INSPECTION	PERIODIC
INSPECTION OF ANCHORS & REINFORCING STEEL POST-INSTALLED IN HARDENED CONCRETE: PER RESEARCH REPORTS INCLUDING VERIFICATION OF ANCHOR TYPE, ANCHOR DIMENSIONS, HOLE DIMENSIONS, HOLE CLEANING PROCEDURES, ANCHOR SPACING, EDGE DISTANCES, CONCRETE MINIMUM THICKNESS, ANCHOR EMBEDMENT & TIGHTENING TORQUE		FIELD INSPECTION	PERIODIC OR AS READ BY THE RESEARCH REPORT ISSUED BY AN APPROVED SOURCE
VERIFY USE OF APPROVED DESIGN MIX		SHOP (3) & FIELD INSPECTION	PERIODIC
FRESH CONCRETE SAMPLING, PERFORM SLUMP & AIR CONTENT TEST & DETERMINE TEMPERATURE OF CONCRETE		SHOP (3) & FIELD INSPECTION	CONTINUOUS
INSPECTION OF CONCRETE & SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES		SHOP (3) & FIELD INSPECTION	CONTINUOUS
INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE & TECHNIQUES		SHOP (3) & FIELD INSPECTION	PERIODIC
CONCRETE STRENGTH TESTING & VERIFICATION OF COMPLIANCE W/ CONSTRUCTION DOCUMENTS		FIELD TESTING & REVIEW OF LAB REPORTS	PERIODIC
STEEL CONSTRUCTION			
FABRICATOR & ERECTOR DOCUMENTS (VERIFY REPORTS & CERTIFICATES AS LISTED IN AISC 360, CHAPTER N, PARAGRAPH 3.2 FOR COMPLIANCE W/ CONSTRUCTION DOCUMENTS		FIELD INSPECTION	CONTINUOUS
MATERIAL VERIFICATION OF STRUCTURAL STEEL		SHOP (3) & FIELD INSPECTION	PERIODIC
EMBEDMENTS (VERIFY DIAMETER, GRADE, TYPE, LENGTH, EMBEDMENT, SEE CONCRETE CONSTRUCTION FOR ANCHORS)		FIELD INSPECTION	PERIODIC
VERIFY MEMBER LOCATIONS, BRACES, STIFFENERS, AND APPLICATION OF JOINT DETAILS AT EACH CONNECTION COMPLY WITH CONSTRUCTION DOCUMENTS		FIELD INSPECTION	PERIODIC
STRUCTURAL STEEL BOLTING			
VERIFY SNUG-TIGHT JOINTS			PERIODIC
VERIFY THAT STRUCTURAL BOLTS ARE SNUG TIGHT.			PERIODIC
NOTES:			
1. THE INSPECTION AND TESTING AGENT(S) SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED, ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK. THE QUALIFICATIONS OF THE SPECIAL INSPECTOR AND/OR TESTING AGENCIES MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL AND/OR THE DESIGN PROFESSIONAL.			
2. SPECIAL INSPECTOR REPORTS MAY BE SUBMITTED AS A SEPARATE DOCUMENT, IF NOTED SO ABOVE.			
3. SPECIAL INSPECTIONS AS REQUIRED BY SECTION 1704.2.5 ARE NOT REQUIRED WHERE THE FABRICATOR IS IN COMPLIANCE WITH THE REQUIREMENTS OF SECTION 1704.5.2.			
4. OBSERVE ON A RANDOM BASIS, OPERATIONS NEED NOT BE DELAYED DURING THESE INSPECTIONS. PERFORM THESE TASKS FOR EACH WELDED JOINT BOLTED CONNECTION, OR STEEL ELEMENT.			
5. NOT OF WELDS COMPLETED IN AN APPROVED FABRICATOR'S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN APPROVED BY THE AHI. REFER TO AISC 360, N7.			

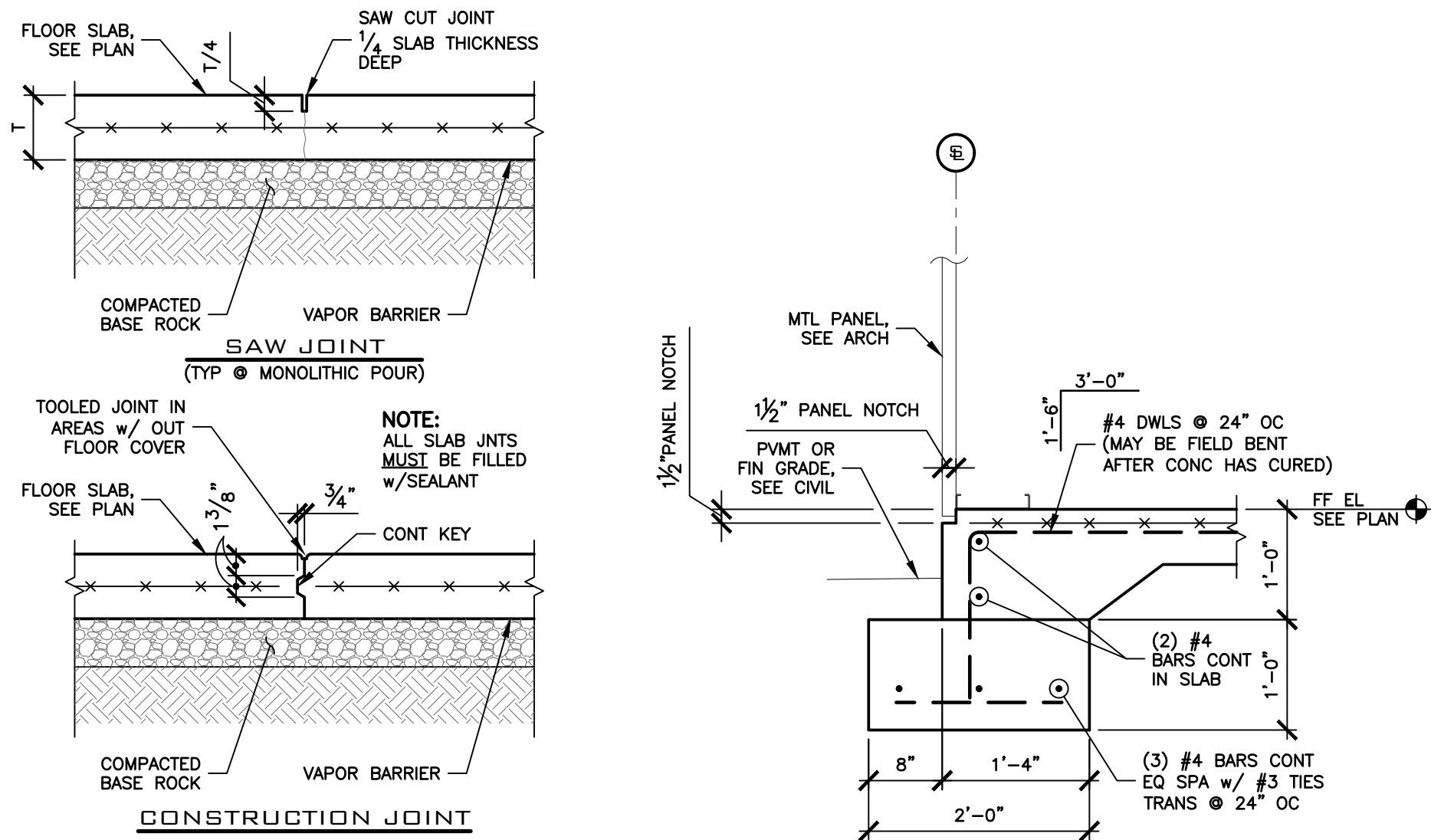


PLAN
NORTH

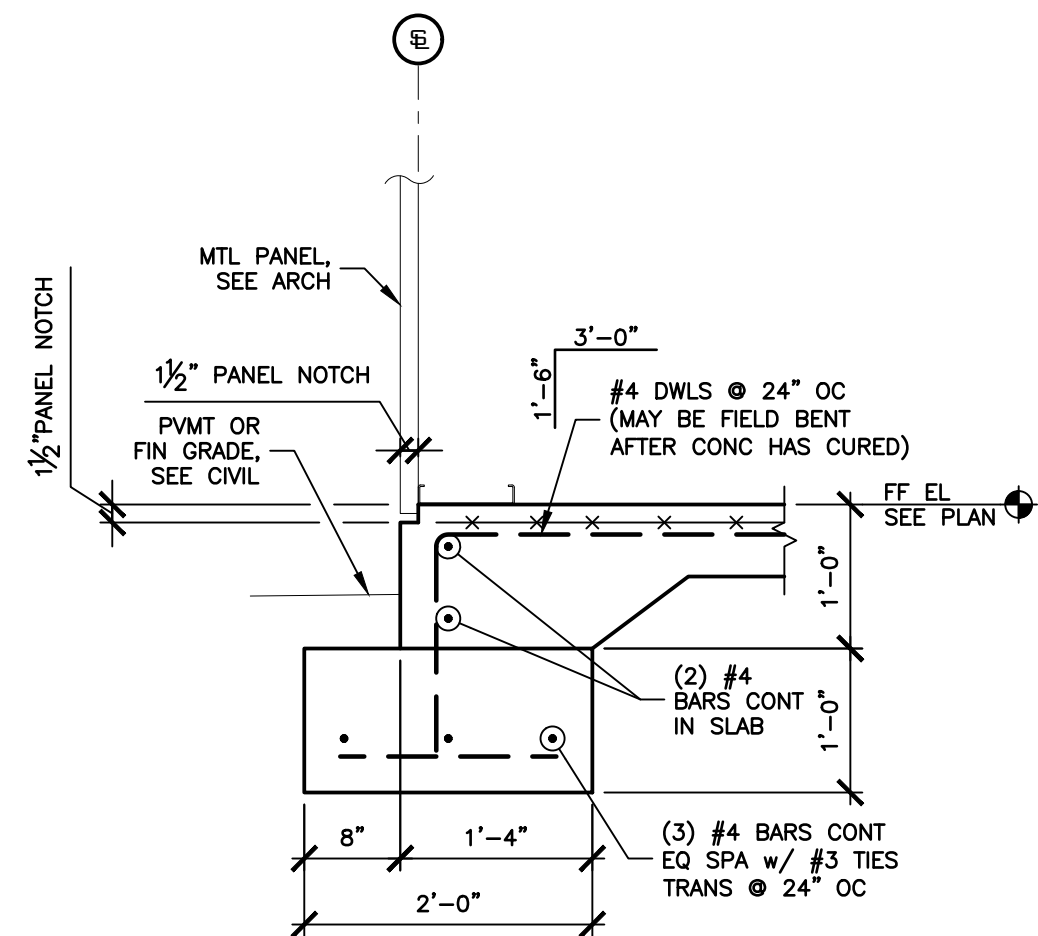
© Miller Engineering, 2026



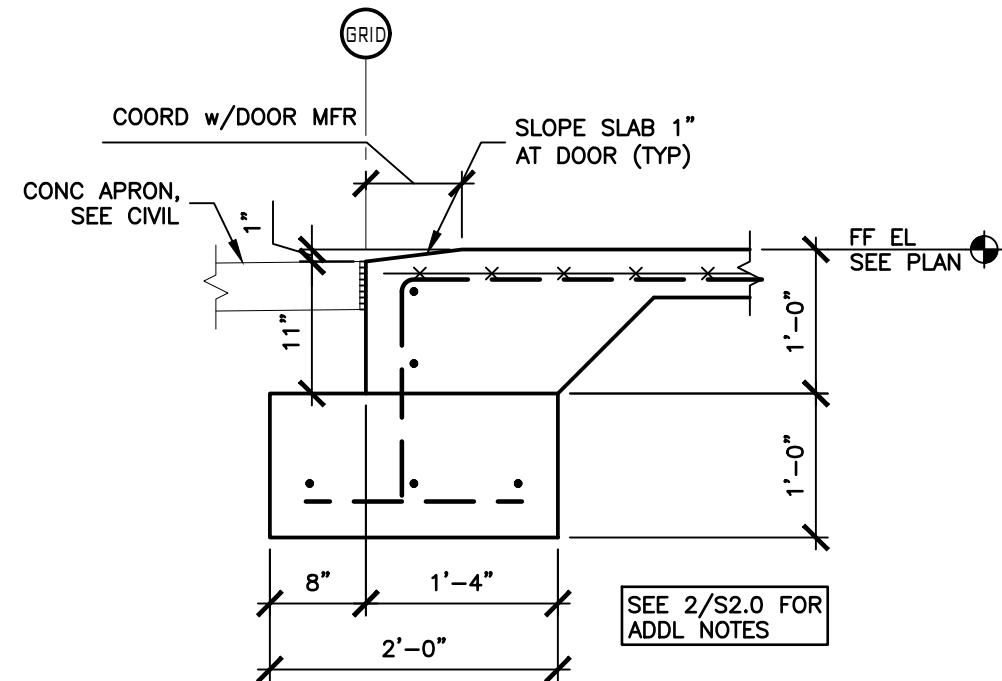
S1.0



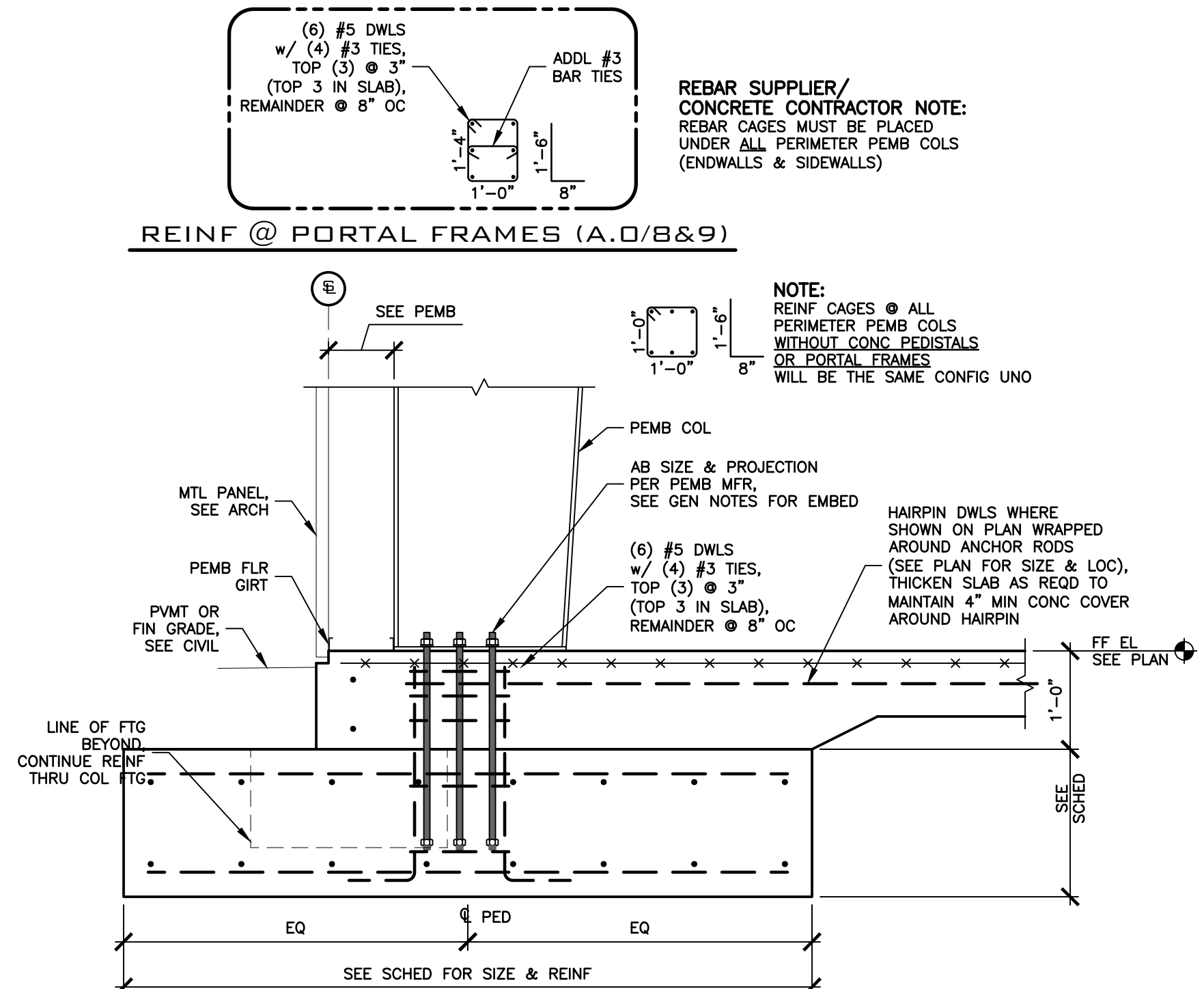
1 CONSTRUCTION JOINT
NTS



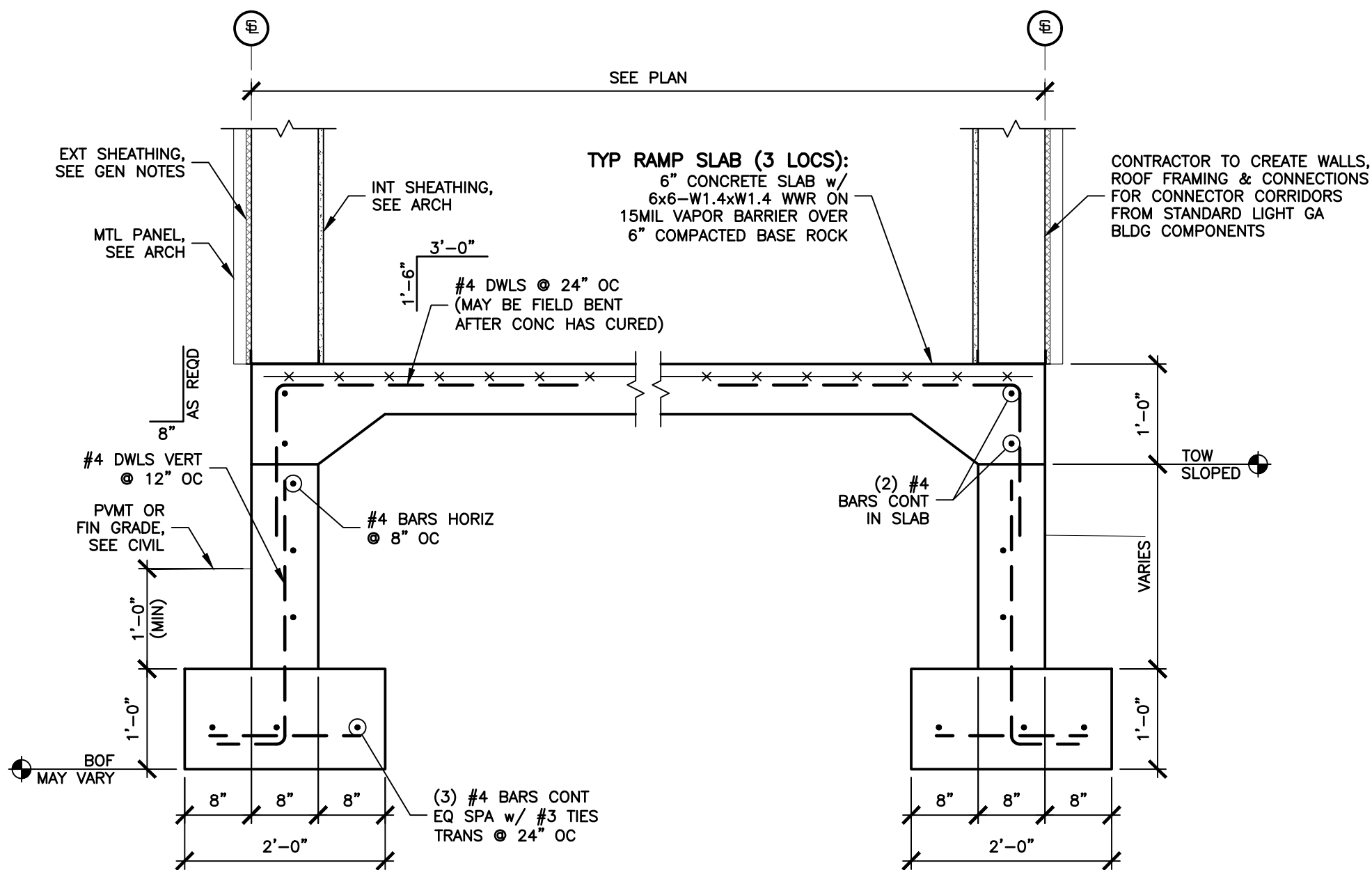
2 FOOTING
3/4" = 1'-0"



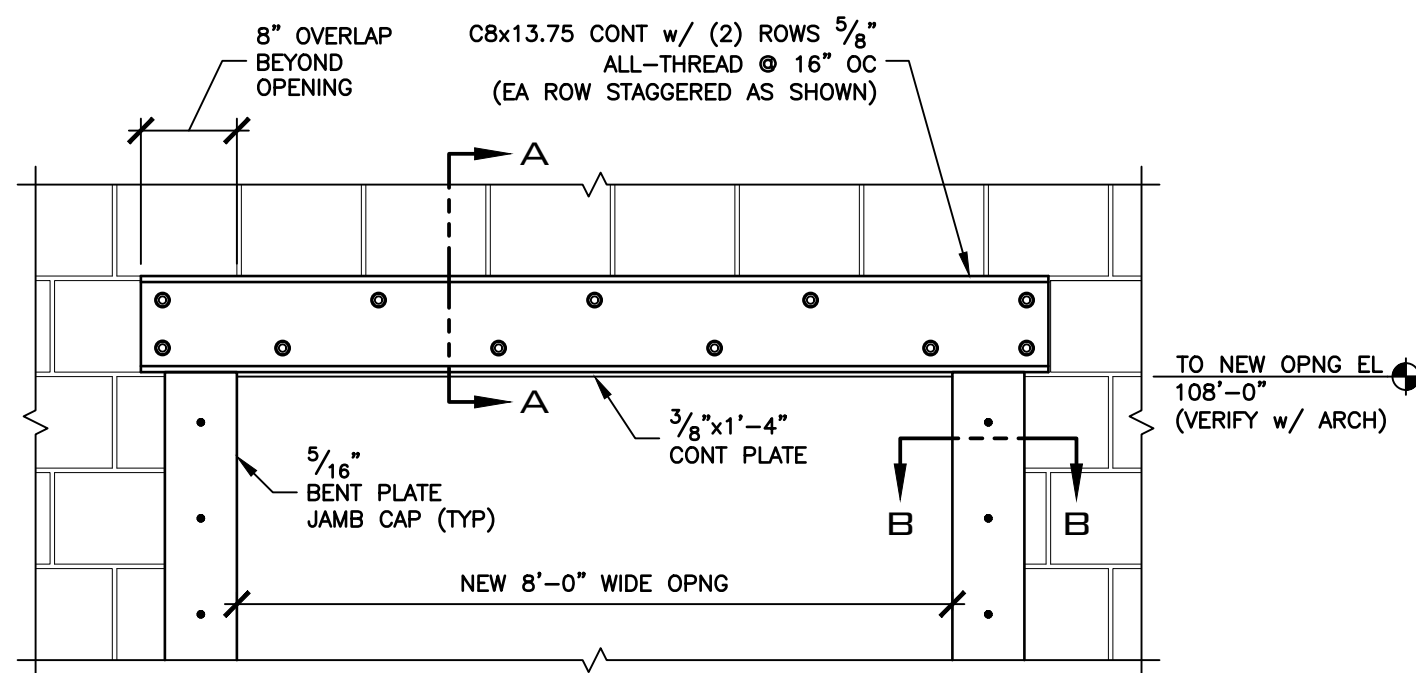
3 FOOTING AT EXT OH DOOR
3/4" = 1'-0"



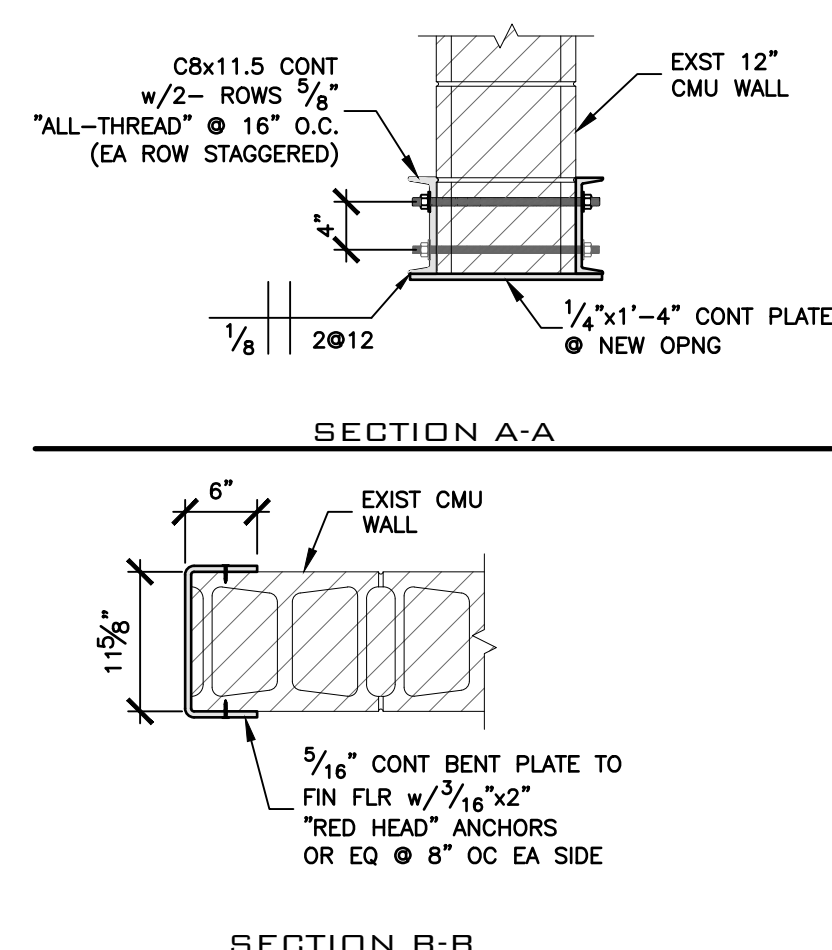
4 COL FOOTING
3/4" = 1'-0"



5 RAMP FOOTING & CONNECTOR CORRIDOR FRAMING
3/4" = 1'-0"



6 LINTEL @ NEW OPENING IN EXISTING CMU WALL
NTS



ABBREVIATIONS		
(AS APPLICABLE)		
(E) EXISTING	LAT LEAVING AIR TEMPERATURE	
3CS THREE-COMPARTMENT SINK	LAV LAVATORY	
A AMP, AMPERE	LB, # POUNDS	
A/E ARCHITECT / ENGINEER	LRA LOCKED ROTOR AMPS	
AVV AIR ADMITTANCE VALVE	LTG LIGHTING	
ABV ABOVE	LTG LEAVING WATER TEMPERATURE	
AC AIR CONDITIONER, AIR CONDITIONING	LWA MIXED AIR	
AD ACCESS DOOR	MAT MIXED AIR TEMPERATURE	
ADJ ADJUSTABLE	MAX MAXIMUM	
AFB ABOVE FINISHED FLOOR	MBH 1000 BTUH	
AFMD AIR FLOW MEASURING DEVICE	MC MECHANICAL CONTRACTOR	
AFG ABOVE FINISHED GRADE	MCA MINIMUM BRANCH CIRCUIT AMPACITY	
AHJ AUTHORITY HAVING JURISDICTION	MCB MAIN CIRCUIT BREAKER	
AHU AIR HANDLING UNIT	MCC MOTOR CONTROL CENTER	
ANSI AMERICAN NAT'L STANDARDS INSTITUTE	MECH MECHANICAL	
AL ALUMINUM	MERV MINIMUM EFFICIENCY REPORTING VALUE	
AP ACCESS PANEL	MFR MANUFACTURER	
ARCH ARCHITECT, ARCHITECTURAL	MHB MIXING HOSE BIBB	
ASHRAE AMERICAN SOCIETY OF HEATING, REFRIGERATION, & AIR CONDITIONING ENGINEERS	MIN MINIMUM	
ASME AMERICAN SOCIETY OF MECHANICAL ENGINEERS	MLO MAIN LUG ONLY	
ASTM AMERICAN SOCIETY OF TESTING & MATERIALS	MM MILLIMETER	
ATC AUTOMATIC TEMP CONTROLS	MOCP MAXIMUM OVERCURRENT PROTECTION	
AUX AUXILIARY	MOP MOP SINK	
AWG AMERICAN WIRE GAUGE	MUA MAKE-UP AIR	
AWS AMERICAN WELDING SOCIETY	MZ MULTI-ZONE	
AWMA AMERICAN WATER WORKS ASSOCIATION	N/A NOT APPLICABLE	
BAS BUILDING AUTOMATION SYSTEM	N.C. NORMALLY CLOSED	
BDD BACKDRAFT DAMPER	NC NOISE CRITERIA	
BFF BELOW FINISHED FLOOR	NEC NATIONAL ELECTRIC CODE	
BFP BACKFLOW PREVENTER	NEMA NATIONAL ELECTRICAL MFR'S ASSOCIATION	
BHP BRAKE HORSEPOWER	NFC NOT FOR CONSTRUCTION	
BLDG BUILDING	NFPA NATIONAL FIRE PROTECTION ASSOCIATION	
BT BATHTUB	NIC NOT IN CONTRACT	
BTU BRITISH THERMAL UNIT	NL NORMALLY OPEN	
BTUH BTU PER HOUR	NOM NOMINAL	
BV BALANCING VALVE	NPSH NET POSITIVE SUCTION HEAD	
BW BACKWATER VALVE	NTS NOT TO SCALE	
C COMMON	OA OUTSIDE AIR	
CA COMBUSTION AIR	QBD OPPOSED BLADE DAMPER	
CD CEILING SUPPLY AIR DIFFUSER	OC ON CENTER	
CO CONDENSATE DRAIN	OI OIL INTERCEPTOR	
CF CEILING FAN	OSY OUTSIDE STEM AND YOKE	
CFH CUBIC FEET	OSHA OCCUPATIONAL SAFETY & HEALTH ADMIN.	
CFH CUBIC FEET PER HOUR	PB PUSH BUTTON	
CFM CUBIC FEET PER MINUTE	PC PLUMBING CONTRACTOR	
CI CAST IRON	PD PRESSURE DROP	
CKT CIRCUIT	PH PHASE	
CLS CEILING	PLBG PLUMBING	
CO CARBON MONOXIDE	PNLBD PANELBOARD	
CO CLEANOUT	PPM PARTS PER MILLION	
CO2 CARBON DIOXIDE	PRV PRESSURE REGULATING VALVE	
CONFIG CONFIGURATION	PSI POUNDS PER SQUARE INCH	
COP COEFFICIENT OF PERFORMANCE	PSIA POUNDS PER SQUARE INCH - ABSOLUTE	
CQ CONDENSING UNIT	PSIG POUNDS PER SQUARE INCH - GAUGE	
CU COPPER	QTY QUANTITY	
CV CIRCUIT VENT	RA RETURN AIR	
CW CONSTANT VOLUME	RAT RETURN AIR TEMPERATURE	
CWV COMBINATION WASTE & VENT	RAW RETURN AIR WALL GRILLE	
DB DRY-BULB TEMPERATURE	RCR REFRIGERATION CONTRACTOR	
DDC DIRECT DIGITAL CONTROL	RCPTS RECEPTACLES	
DEG DEGREES	RD ROOF DRAIN	
DF DRINKING FOUNTAIN	REBAL REBALANCE	
DH DUCT HEATER	RECIRC RECIRCULATE	
DI DEIONIZED WATER	REF REFERENCE	
DIA ø DIAMETER	REL RELOCATED	
DISC DISCONNECT	REQ REQUIRED	
DN DOWN	REV REVISION, REVISE	
DN DOWNSPOUT NOZZLE	RG RETURN GRILLE	
DOM DOMESTIC	RH RADIANT HEATER	
DR DRY POINT	RH RELATIVE HUMIDITY	
DPS DIFFERENTIAL PRESSURE SENSOR	RH RUNNING LOAD AMPS	
DWG DRAWING	RO REVERSE OSMOSIS	
DX DIRECT EXPANSION	ROD ROOF OVERFLOW DRAIN	
EA EACH	RPM REVOLUTIONS PER MINUTE	
EAT EXHAUST AIR	RPZ REDUCED PRESSURE ZONE	
EC ELECTRICAL CONTRACTOR	RTU ROOF TOP UNIT	
EER ENERGY EFFICIENCY RATIO	SA SUPPLY AIR	
EF EXHAUST FAN	SAT SUPPLY AIR TEMPERATURE	
EFF EFFICIENCY	SAW SUPPLY AIR WALL REGISTER	
EG EXHAUST GRILLE	SC SECURITY CAMERA	
ELEC ELECTRICAL	SC SENSIBLE CAPACITY	
EM EMERGENCY LIGHTING	SD SMOKE DETECTOR	
ENT ENTERING	SEER SEASONAL ENERGY EFFICIENCY RATIO	
EQUIP EQUIPMENT	SF SQUARE FEET	
ESP EXTERNAL STATIC PRESSURE	SF SUPPLY FAN	
ETR EXISTING TO REMAIN	SK SHOWER	
EW EYE WASH	SK SINK	
EWC ELECTRIC WATER COOLER	SM SHEET METAL	
EWT ENTERING WATER TEMPERATURE	SMACNA SHEET METAL & A/C CONT NAT'L ASSOC.	
F FAHRENHEIT	SOV SHUT-OFF VALVE	
FACP FIRE ALARM CONTROL PANEL	SP STATIC PRESSURE	
FCO FLOOR CLEANOUT	SPEC SPECIFICATION	
FCU FAN COIL UNIT	STD STANDARD	
FD FLOOR DRAIN	SZ SINGLE-ZONE	
FD FIRE DAMPER	TAB TESTING, ADJUSTING, BALANCE	
FDC FIRE DEPARTMENT CONNECTION	TC TOTAL CAPACITY	
FFE FINISHED FLOOR ELEVATION	TD TEMPERATURE DIFFERENCE	
FLA FULL LOAD AMPS	TD TRENCH DRAIN	
FM FLOW METER	TDH TOTAL DYNAMIC HEAD	
FP FIRE PROTECTION	TFD TO FLOOR DRAIN	
FPC FIRE PROTECTION CONTRACTOR	TG TRANSFER GRILLE	
FFM FEET PER MINUTE	THRU THROUGH	
FPS FEET PER SECOND	TMV THERMOSTATIC MIXING VALVE	
FPWH FREEZE PROOF WALL HYDRANT	TP TOTAL PRESSURE	
FS FLOOR SINK	TP TRAP PRIMER	
FS FLOW SWITCH	TSP TOTAL STATIC PRESSURE	
FT FEET	TSTAT THERMOSTAT	
GA GAUGE	TYP TYPICAL	
GAL GALLONS	UF UNDER FLOOR	
GALV GALVANIZED	UG UNDER GROUND	
GC GENERAL CONTRACTOR	UIS UNDER SLAB	
GFCI/GFI GROUND FAULT CIRCUIT INTERRUPTER	UC UNDERCUT DOOR	
GI GREASE INTERCEPTOR	UH UNIT HEATER	
GPD GALLONS PER DAY	UL UNDERWRITERS LABORATORIES, INC.	
GPM GALLONS PER MINUTE	UR URINAL	
GR GRAINS	UN UNLESS NOTED OTHERWISE	
GR GROUND	V VENT	
HB HOSE BIBB	V VOLT	
HD HEAD	VA VOLT-AMPERE	
HD HUB DRAIN	VAC VACUUM	
HOA HAND / OFF / AUTOMATIC	VAV VARIABLE AIR VOLUME	
HP HEAT PUMP	VBV VENT BELOW FLOOR	
HP HORSEPOWER	VBG VENT BELOW GRADE	
HS HAND SINK	VFD VARIABLE FREQUENCY DRIVE	
HS HAND SWITCH	VRF VARIABLE REFRIGERANT FLOW	
HZ HERTZ	VTR VENT THRU ROOF	
HVAC HEATING, VENTILATION, AND AIR CONDITIONING	W WATTS	
I/O INPUT / OUTPUT	w/ WITH	
IE INVERT ELEVATION	w/o WITHOUT	
IG ISOLATED GROUND	WB WASHER BOX	
IN INCHES	WB WET-BULB TEMPERATURE	
IN WC INCHES OF WATER COLUMN	WC WATER CLOSET	
IND INDIRECT	WC WATER COLUMN	
IPLV INTEGRATED PART LOAD VALUE	WG WATER GAUGE	
KW KILOWATT	WH WATER HEATER	
	WP WEATHER PROOF COVERPLATE	
	WR WEATHER RESISTANT RECEPTACLE	
	WV WET VENT	

PLUMBING SYMBOLS	
(AS APPLICABLE)	
SYMBOL	DESCRIPTION
— — — — —	DOMESTIC COLD WATER (CW)
— — — — —	DOMESTIC HOT WATER (HW)
— — — — —	DOMESTIC HOT WATER RETURN (HWR)
—SW—	SOFT WATER (SW)
—PWS—	PURE WATER SUPPLY (PWS)
— — PWR — —	PURE WATER RETURN (PWR)
—G—	NATURAL GAS (G) - LOW PRESSURE
—GF—	NATURAL GAS (G) - # PSI
—LP—	LIQUID PROPANE (LP) - LOW PRESSURE
—LP#—	LIQUID PROPANE (LP) - # PSI
—A—	COMPRESSED AIR (A)
—SS—	SANITARY SEWER (SS)
—OW—	OIL WASTE (OW)
—GW—	GREASE WASTE (GW)
—ST—	STORM DRAIN (ST)
—CD—	CONDENSATE (CD)
— — V — —	VENT (V)
○ — — — — —	PIPE: RISE / FALL / TEE DOWN
— — — — —	SHUT-OFF VALVE (SOV)
— — — — —	BALANCING VALVE (BV)
— — — — —	PRESSURE REDUCING VALVE (PRV)
— — — — —	STRAINER w/ DRAIN VALVE
— — — — —	CHECK VALVE
— — — — —	REDUCED PRESSURE ZONE (RPZ)
— — — — —	PRESSURE GAUGE w/ INSERTION WELL
— — — — —	THERMOMETER w/ INSERTION WELL
— — — — —	VACUUM RELIEF VALVE
○	FLOOR CLEANOUT (FCO)
⊕ ⊕	FLOOR DRAIN (FD), ROUND / RECTANGULAR
⊕ ⊕	FLOOR SINK (FS), FULL / HALF GRATE
⊗	GAS PRESSURE REGULATOR
— — — — —	AUTOMATIC GAS VALVE
— — — — —	STORM DRAIN DOWNSPOUT NOZZLE (DN)
— — — — —	FREEZE PROOF WALL HYDRANT (FPWH)
— — — — —	HOSE BIBB (HB)
— — — — —	CLEANOUT - IN-LINE / WALL (CO / WCO)
— — — — —	FLANGE
— — — — —	UNION
— — — — —	FLEXIBLE PIPE CONNECTOR
— — — — —	CAPPED PIPE

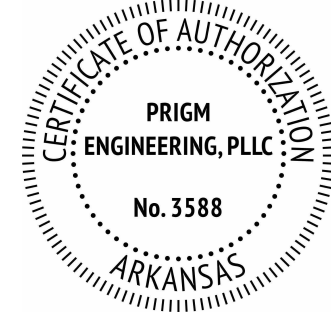
ANNOTATION SYMBOLS	
(AS APPLICABLE)	
SYMBOL	DESCRIPTION
⬡	PLAN NOTE (PER SHEET)
XXXX	KITCHEN EQUIPMENT REFERENCE NUMBER
⬡	POINT OF CONNECTION TO EXISTING
⬡	TERMINATION OF DEMOLITION
~	CONTINUATION
1 MI	DETAIL NUMBER
1 MI	SHEET NUMBER
1 MI	SECTION CUT DESIGNATION

APPLICABLE CODES	
2021 ARKANSAS FIRE PREVENTION CODE, VOLUME I - FIRE	
2021 ARKANSAS FIRE PREVENTION CODE, VOLUME II - BUILDING	
2021 ARKANSAS MECHANICAL CODE (AMC)	
2020 NFPA 70 - NATIONAL ELECTRICAL CODE (NEC)	
2018 ARKANSAS PLUMBING CODE (APC)	
2018 ARKANSAS FUEL GAS CODE (AFGC)	
2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)	

ADA NOTES	
(AS APPLICABLE)	
THIS APPLIES TO HANDICAPPED ACCESSIBLE FIXTURES ONLY. REFER TO ARCHITECTURAL PLANS FOR PLUMBING FIXTURE ELEVATIONS.	
WATER CLOSETS: THE HEIGHT OF WATER CLOSETS SHALL BE 17" TO 19" MEASURED TO THE TOP OF THE TOILET SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION. THE WATER CLOSET SHALL BE LOCATED 18" FROM THE SIDE WALL TO THE CENTER LINE OF THE BOWL. HAND OPERATED FLUSH CONTROLS SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS NO MORE THAN 29" ABOVE THE FINISH FLOOR. SEE ARCHITECTURAL DRAWINGS FOR GRAB BAR LOCATIONS.	
URINALS: THE URINALS SHALL BE WALL HUNG WITH AN ELONGATED RIM AT A MAXIMUM OF 17" ABOVE THE FINISH FLOOR. HAND OPERATED FLUSH CONTROLS SHALL BE MOUNTED NO MORE THAN 44" ABOVE FINISH FLOOR.	
LAVATORIES: LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER 34" ABOVE THE FINISH FLOOR. PROVIDE A CLEARANCE OF AT LEAST 29" ABOVE THE FINISH FLOOR TO THE BOTTOM OF THE APRON. KNEE SPACE SHALL BE 8" FROM BOTTOM EDGE OF APRON TO THE LEADING EDGE OF THE BOTTOM OF THE BOWL. THE BOTTOM OF THE BOWL SHALL BE A MINIMUM OF 27" ABOVE THE FINISH FLOOR. ALL WATER AND DRAIN PIPING UNDER LAVATORIES SHALL BE INSULATED WITH A FOAM INSERT COVERED WITH A 1/8" VINYL OUTER SHELL. ANGLE STOPS SHALL HAVE A FLIP TOP ACCESS.	
FAUCETS: CONTROLS SHALL BE LEVER HANDLES OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF.	

GAS PIPING NOTES	
(AS APPLICABLE)	
1. COORDINATE ALL DETAILS OF THE GAS PIPING SYSTEM WITH THE LOCAL GAS COMPANY. THIS INCLUDES, BUT IS NOT LIMITED TO: THE LOCATION OF THE GAS METER, GAS PRESSURE REQUIREMENTS, RELOCATION AND/OR UPSIZING OF EXISTING SERVICE PIPING IF REQUIRED. PAY ALL COSTS REQUIRED BY GAS COMPANY. CONTACT GAS COMPANY FOR SIZE AND TYPE OF PIPING AND VALVES REQUIRED FOR CONNECTION TO METER. GAS METER AND SERVICE REGULATOR TO BE PROVIDED BY UTILITY COMPANY. VERIFY CORRECT GAS PRESSURE DOWNSTREAM OF SERVICE REGULATOR AFTER GAS UTILITY COMPLETES INSTALLATION. THE NATURAL GAS DEMAND SHOWN IN MBH IS BASED ON A HEATING VALUE OF 1000 BTU (1 MBH) PER CUBIC FOOT AND A SPECIFIC GRAVITY OF 0.6. NEW GAS PIPING SIZES SHALL BE AS NOTED ON PLANS.	
2. ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL CODE AND GAS COMPANY REQUIREMENTS.	
3. THE CONTRACTOR SHALL SUPPLY ALL PERMITS AND LICENSES REQUIRED FOR THE WORK, AND FOR ALL INSPECTIONS REQUIRED.	
4. FIELD VERIFY EXISTING PIPE SIZES, LOCATIONS, AND EQUIPMENT DEMANDS. NOTIFY ENGINEER IMMEDIATELY IF THERE IS A DISCREPANCY.	
5. PROVIDE NEW GAS SERVICE PIPING FOR NEW EQUIPMENT SIZED AS INDICATED IN ACCORDANCE WITH FUEL GAS CODE FOR PRESSURE AND DEVELOPED LENGTH AS NOTED ON PLANS. CONNECT TO GAS PIPING AS SHOWN ON PLANS AND PROVIDE METER (IF REQUIRED), PRESSURE REGULATOR (SET TO EQUIPMENT DELIVERY PRESSURE, IF REQUIRED), VALVES, AND ACCESSORIES PER THE SPECIFICATIONS & LOCAL CODES.	
6. PROVIDE GAS PIPING UP TO AND INCLUDING FINAL CONNECTION TO THE EQUIPMENT.	
7. PROVIDE START-UP ASSISTANCE FOR ALL GAS-FIRED EQUIPMENT. COORDINATE ADJUSTMENT OF REGULATORS WITH SET-UP PERSONNEL TO ENSURE CORRECT GAS FLOW PRESSURES FOR PROPER OPERATION OF ALL EQUIPMENT.	
8. ALL PIPING EXPOSED TO THE OUTDOORS OR LOCATED IN UNCONDITIONED SPACES SHALL BE PAINTED WITH TWO COATS OF ENAMEL.	
9. PIPE GAS REGULATOR VENTS LOCATED INDOORS TO EXTERIOR OR PROVIDE VENT LIMITING DEVICE.	

PLUMBING GENERAL NOTES	
(AS APPLICABLE)	
1. NOTES APPLY TO ALL PLUMBING SHEETS.	
2. EACH CONTRACTOR IS RESPONSIBLE FOR HAVING THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS AS THEY RELATE TO THIS WORK. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED DUE TO LACK OF THIS KNOWLEDGE.	
3. ALL WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS AS REQUIRED BY LOCAL AND STATE CODES.	
4. PROVIDE ALL MATERIALS FOR A COMPLETE INSTALLATION IN ALL RESPECTS READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS. PLANS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE MINIMUM REQUIREMENTS.	
5. ALL PLUMBING EQUIPMENT SHOWN ON THE PLUMBING PLANS SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR UNLESS NOTED OTHERWISE. UNLESS NOTED OTHERWISE, THE INDICATION AND/OR DESCRIPTION OF ANY ITEM, IN THE DRAWINGS OR SPECIFICATIONS CARRIES WITH IT THE INSTRUCTION TO FURNISH AND INSTALL THE ITEM. ALL EQUIPMENT AND MATERIALS PROVIDED BY THE CONTRACTOR WILL BE NEW; THERE WILL BE NO ALLOWANCE FOR REUSED MATERIAL UNLESS EXPLICITLY INDICATED OTHERWISE BY THE ENGINEER OR OWNER.	
6. OBTAIN AND PAY FOR ALL PERMITS REQUIRED BY THIS WORK. PROVIDE TO THE ARCHITECT OR OWNER'S CONSTRUCTION MANAGER A COPY OF INSPECTION REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS.	
7. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OR GEOMETRICAL RELATIONSHIPS OF EQUIPMENT AND SERVICES. THEY ARE NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, SEQUENCE, DEVICE, OPTION, FITTING, OR COMPONENT. DO NOT SCALE FLOOR PLANS FOR EXACT LOCATION OF PIPE ROUTING. EQUIPMENT SCHEDULES SHALL TAKE PRECEDENCE OVER CONFLICTING DRAWING INFORMATION. DRAWINGS SPECIFIC TO THIS DISCIPLINE DO NOT LIMIT THE RESPONSIBILITY OF WORK REQUIRED BY CONTRACT DOCUMENTS. REFER TO ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND OTHER DRAWINGS FOR COMPLETE INFORMATION. NOTIFY THE ARCHITECT OR OWNER'S CONSTRUCTION MANAGER OF ANY CONFLICTS OR DISCREPANCIES.	
8. INFORMATION AND COMPONENTS SHOWN ON DIAGRAMS OR DETAILS, BUT NOT SHOWN ON PLANS, AND VICE VERSA, SHALL BE PROVIDED AS IF EXPRESSLY REQUIRED BY BOTH.	
9. PROVIDE A CONSTRUCTION RECORD SET OF "AS-BUILT" DOCUMENTS TO THE ARCHITECT OR OWNER'S CONSTRUCTION MANAGER REFLECTING ANY VARIANCES OF INSTALLED EQUIPMENT OR PIPING LOCATIONS CONTRARY TO THE CONSTRUCTION DOCUMENTS.	
10. COORDINATE THE INSTALLATION OF THE PLUMBING SYSTEMS WITH OTHER TRADES TO ENSURE A NEAT AND ORDERLY INSTALLATION. INSTALL PIPING AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS. COORDINATE INSTALLATION OF PIPING TO AVOID CONFLICTS WITH ELECTRICAL PANELS, LIGHTING FIXTURES, ETC. ANY MODIFICATIONS REQUIRED DUE TO LACK OF COORDINATION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO EXTRA COST TO THE OWNER.	
11. THE CONTRACTOR SHALL DO ALL CUTTING OF WALLS, FLOORS, AND CEILINGS AS REQUIRED FOR INSTALLATION OF PLUMBING WORK. ALL CUTTING SHALL BE HELD TO A MINIMUM. NO STRUCTURAL MEMBERS MAY BE CUT OR MODIFIED WITHOUT THE WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER.	
12. CUTTING OF ROOF AND FLASHING OF PIPE CURBS, SANITARY VENTS THROUGH ROOF, ETC., SHALL BE COORDINATED WITH THE ROOFING CONTRACTOR, AT THIS CONTRACTOR'S EXPENSE, TO MAINTAIN THE ROOF WARRANTY.	
13. THESE DRAWINGS REFLECT SYSTEMS DESIGNED AROUND SPECIFIC REFERENCE PRODUCTS (BASIS OF DESIGN), THE SELECTION OF WHICH INFLUENCED THE DESIGNS OF OTHER TRADES. IF SUBSTITUTE MANUFACTURERS, SIZES, MODELS, ETC. ARE SUBMITTED, IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO COORDINATE ALL DIFFERENCES WITH OTHER TRADES. ALL COSTS OF ALL TRADES ASSOCIATED WITH THE SUBSTITUTION SHALL BE INCLUDED.	
14. NEW PLUMBING EQUIPMENT AND PIPING ARE SHOWN AT APPROXIMATE LOCATIONS. FIELD MEASURE FINAL PIPING LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED TO FIT THE PIPING WITHIN THE AVAILABLE SPACE. VERIFY THAT FINAL EQUIPMENT LOCATIONS MEET MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AND PROPER AIRFLOW CLEARANCE AROUND EQUIPMENT.	
15. SEAL PENETRATIONS THROUGH THE BUILDING COMPONENTS IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS. FIREPROOF PENETRATIONS THROUGH FIRE RATED COMPONENTS IN ACCORDANCE WITH U.L. REQUIREMENTS. REFER TO ARCHITECTURAL PLANS FOR WALL AND FLOOR TYPES.	
16. PROVIDE SLEEVE FOR ALL WATER PIPE FLOOR PENETRATIONS. MAKE SLEEVE LARGE ENOUGH FOR INSULATION. SEAL WITH MASTIC AND ENSURE OF NO WATER PENETRATIONS.	
17. COORDINATE PIPING INSTALLATION WITH STRUCTURAL GRADE BEAMS, FOOTINGS, COLUMN PIERS, ETC. SLEEVE PIPING THROUGH GRADE BEAMS, FOOTINGS, ETC. WHERE REQUIRED AND AS NOTED ON PLANS.	
18. SANITARY SEWER PIPING SHOWN IS BASED ON 1/4" PER FOOT FALL FOR ALL PIPE SMALLER THAN 3" DIAMETER AND 1/8" PER FOOT FALL FOR PIPE 3" DIAMETER AND LARGER, UNLESS NOTED OTHERWISE.	
19. ALL SEWER PIPING BELOW SLAB TO BE 2" DIAMETER MINIMUM.	
20. PROVIDE ACCESS PANELS TO ALL CONCEALED VALVES, CLEAN-OUTS, WATER HAMMER ARRESTORS, AND OTHER DEVICES BEHIND HARD SURFACES. LOCATE ITEMS ABOVE LAY-IN CEILINGS AND CLOSE TOGETHER WHERE POSSIBLE TO AVOID UNNECESSARY ADDITIONAL ACCESS PANELS. COORDINATE ALL ACCESS PANELS WITH ARCHITECT.	
21. ALL FLOOR DRAINS SHALL HAVE MINIMUM 4" DEEP SEAL TRAPS.	
22. PROVIDE TRAP GUARDS OR TRAP SEAL PRIMERS AND 1/2" COPPER TUBING CONNECTION TO ALL FLOOR DRAINS AS SHOWN OR AS REQUIRED BY AHJ. CONTRACTOR SHALL VERIFY REQUIREMENTS. PROVIDE SHUT-OFF VALVE UPSTREAM OF TRAP PRIMER VALVE. LOCATE TRAP PRIMER VALVES IN ACCESSIBLE LOCATION OR PROVIDE ACCESS PANEL. DO NOT LOCATE TRAP PRIMER VALVES OR PIPING IN PUBLIC ACCESSIBLE AREAS.	
23. FLOOR CLEANOUTS SHALL HAVE TOPS DESIGNED FOR SPECIFIC FLOOR FINISHES (CARPET, TILE, ETC.) WHETHER SPECIFIED OR NOT. REFER TO ARCHITECTURAL SHEETS FOR FLOOR FINISHES.	
24. INSTALL VTR'S A MINIMUM 5'-0" FROM PARAPETS OR WALLS AND 10'-0" FROM EQUIPMENT WITH OUTSIDE AIR INTAKE.	
25. WATER PIPING SHALL BE SLOPED FOR DRAINAGE WITH DRAIN VALVES INSTALLED AT LOW POINTS.	
26. PROVIDE INSULATION ON ALL WATER PIPING ABOVE FLOOR PIPING.	
27. INSTALL WATER PIPE ON INSIDE OF EXTERIOR WALL INSULATION TO PREVENT FREEZING.	
28. VALVES SHALL BE LINE SIZE UNLESS NOTED OTHERWISE. ALL WATER SHUT-OFF VALVES SHALL BE "BALL LOCK" TYPE. PROVIDE SHUT-OFF VALVES AT EACH TERMINATION POINT OF ASSOCIATED EQUIPMENT.	
29. PROVIDE WATER HAMMER ARRESTORS AS REQUIRED BY MANUFACTURER, GOOD PRACTICE, AHJ AND/OR CODE, OR MINIMUM OF ONE ARRESTOR FOR EACH FIXTURE OR BANK OF FIXTURES. WATER HAMMER ARRESTORS SHALL BE THE SAME SIZE AS PIPE INSTALLED ON, MINIMUM. AIR CHAMBERS SHALL NOT BE USED.	
30. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF PLUMBING FIXTURES.	
31. PROVIDE AND INSTALL VACUUM BREAKER (WATTS 8A OR EQUAL) ON ANY THREADED EXTERIOR OR INTERIOR FAUCETS WITHOUT INTEGRAL VACUUM BREAKER.	
32. PROVIDE COMPLETE FIXTURES AND INCLUDE SUPPLIES, STOPS, VALVES, FAUCETS, DRAINS, TRAPS, TAILPIECES, ESCUTCHEONS, ETC. EXPOSED COPPER OR BRASS MATERIALS SHALL BE CHROME PLATED.	
33. ALL EXPOSED OR ACCESSIBLE P-TRAPS SHALL BE CHROME PLATED AND PROVIDED WITH BOTTOM CLEANOUT PLUGS.	
34. PROVIDE INSULATION AT ALL EXPOSED HOT WATER & DRAIN PIPING FOR HANDICAP FIXTURES PER ANSI A117.1 AND ADA REQUIREMENTS.	
35. CLEAN FAUCET AERATORS AND PIPE STRAINERS PRIOR TO TURNING BUILDING OVER TO THE OWNER.	



02.04.2026

General Contractor:



3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



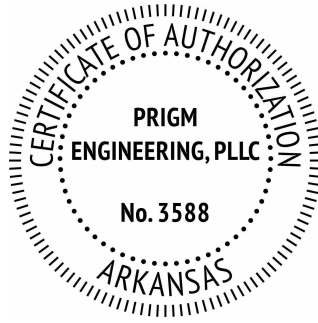
1755 S Armstrong Ave
Fayetteville, Arkansas

Sheet Contents:

Drawing Name: PLUMBING NOTES AND LEGENDS
Date: 02.04.2026
Revisions:

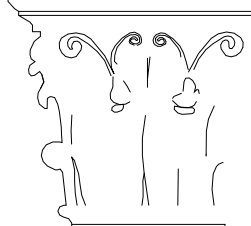
Sheet Number:

P0.0



310 W. DICKSON ST., SUITE 210
FAYETTEVILLE, AR 72701
479.877.3188 | WWW.PRIGM.COM

Dan Townsley
ARCHITECT



921 S Oak Hill Ste. 1
Rogers, AR 72758
479.631.5817 PH
dan@dt-architect.com



02.04.2026

General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



1755 S Armstrong Ave
Fayetteville, Arkansas

Sheet Contents:

Drawing Name: PLUMBING SCHEDULES
Date: 02.04.2026
Revisions:

Sheet Number:

P1.0

GAS INSTANTANEOUS WATER HEATER SCHEDULE											
MARK	QTY	BASIS OF DESIGN		INPUT (MBH)	OUTPUT (MBH)	EFFICIENCY	EWT (°F)	LWT (°F)	FLOW (GPM)	ELECTRICAL	OPERATING WEIGHT (LB)
		MANUFACTURER	MODEL								
IWH	1	A.O. SMITH	ACT-199I-N	199	185.4	0.93 UEF	55	120	5.7	120/1/60	75

GENERAL NOTES (ALL UNITS AS APPLICABLE):

1. PROVIDE EXPANSION TANK PER PLANS AND EQUIPMENT SCHEDULE.
2. REFER TO PLANS AND DETAILS FOR MOUNTING REQUIREMENTS.
3. PROVIDE ASME TEMPERATURE AND PRESSURE RELIEF VALVE.
4. PROVIDE WITH CONCENTRIC VENT THRU ROOF PER PLANS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
5. PROVIDE CONDENSATE NEUTRALIZATION KIT.

PLUMBING EQUIPMENT SCHEDULE					
MARK	QTY	EQUIPMENT	BASIS OF DESIGN		DESCRIPTION
			MANUFACTURER	MODEL	
ET	1	EXPANSION TANK	WATTS	PLT-5	FIXED BLADDER TYPE, 2.1 GALLON, FACTORY STANDARD PRECHARGE CAPACITY, IAPMO LISTED AND ANSINSF 61 CERTIFIED.

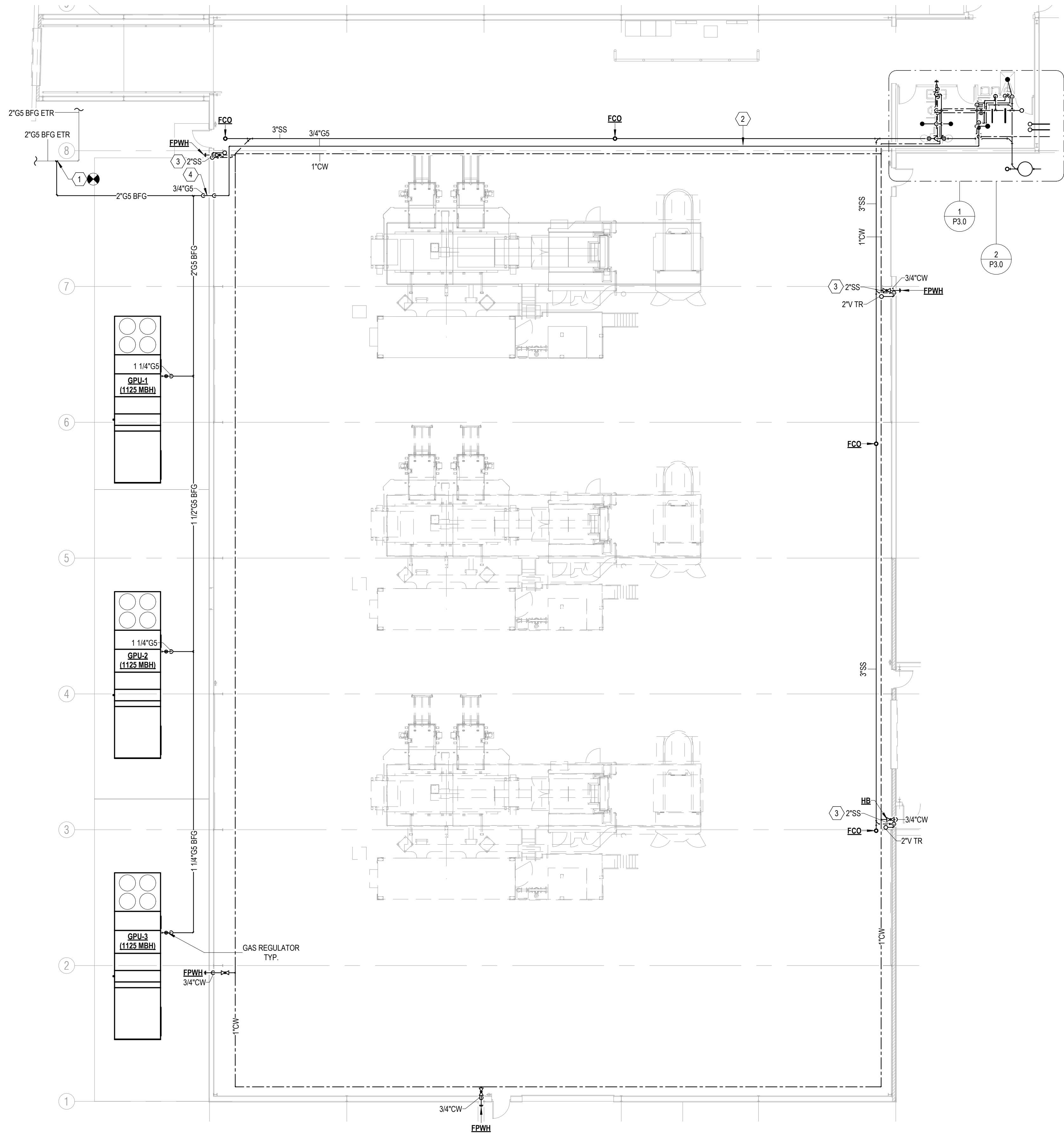
PUMP SCHEDULE							
MARK	QTY	TYPE	BASIS OF DESIGN		GPM	HEAD (FT)	ELECTRICAL
			MANUFACTURER	MODEL			
GP	1	GRINDER PUMP	LIBERTY	2484L SG202-24	40	60	208/1/60, 15 FLA
SIMPLEX GRINDER PUMP PACKAGE. INSTALL PER CIVIL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PACKAGE INCLUDES: - (1) GRINDER PUMP - MODEL 2484L SG202, 2HP, SINGLE STAGE, 300 SERIES STAINLESS STEEL IMPELLER, 25' CORD LENGTH. - STANDARD CONTROL PANEL - MODEL SXH24-3, NEMA 4X SIMPLEX PANEL WITH AUDIBLE (80 dB) AND VISUAL HIGH WATER ALARM, 3 FLOATS. - PRE-ASSEMBLED BASIN - FIBERGLASS, 24" DIA X 84"H, ANTI-FLOATATION FLANGE, STEEL COVER, 4" UNMOUNTED INLET HUB WITH FLANGE GASKET AND PIPE SEAL, 1-1/4" SCH 80 PVC SIDE DISCHARGE, 24" DISCHARGE HEIGHT. - COMPLETE GUIDE RAIL ASSEMBLY (GALVANIZED STEEL) INCLUDING CHECK VALVE. - VERIFY THE DISCHARGE DEPTH PRIOR TO PURCHASE.							

SPECIALTY PLUMBING FIXTURE SCHEDULE				
MARK	FIXTURE	BASIS OF DESIGN		DESCRIPTION
		MANUFACTURER	MODEL	
ETMV	EMERGENCY THERMOSTATIC MIXING VALVE	GUARDIAN	G6020	ASSE 1071 CERTIFIED, CHECKSTOPS ON INLETS, ADJUSTABLE SETPOINT, BUILT-IN COLD WATER BYPASS, POSITIVE SHUTOFF OF HOT SUPPLY, DIAL THERMOMETER, LESS CABINET. SET TO 65°F.
FCO	FLOOR CLEANOUT	ZURN	Z1400	ADJUSTABLE FLOOR CLEANOUT, CAST IRON BODY, ABS TAPERED THREAD PLUG. IN FINISHED AREAS, PROVIDE POLISHED NICKEL-BRONZE LIGHT DUTY TOP. PROVIDE SCORIATED CAST IRON EXTRA-HEAVY DUTY SECURED TOP WHERE LOCATED IN UNFINISHED AREAS SUCH AS MECHANICAL ROOMS OR WHERE SUBJECT TO DAMAGE.
FD-1	FLOOR DRAIN (ROUND)	ZURN	Z415-BZ1	6" ROUND "TYPE B" POLISHED NICKEL BRONZE, LIGHT-DUTY STRAINER, DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, CONCRETE SHIELD, UP TO 1" OF VERTICAL POST POUR ADJUSTMENT, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS.
FD-2	FLOOR DRAIN (ROUND)	ZURN	Z511	9" ROUND TOP, DURA-COATED CAST IRON DEEP SUMP BODY WITH BOTTOM OUTLET, SEEPAGE PAN AND COMBINATION MEMBRANE FLASHING CLAMP AND FRAME FOR HEAVY-DUTY CAST IRON DEEP FLANGE GRATE. PROVIDE WITH SEDIMENT BUCKET.
FPWH	FREEZE PROOF WALL HYDRANT	ZURN	Z1321XL	NON-FREEZE, LEAD-FREE, EXPOSED, ANTI-SIPHON, AUTOMATIC DRAINING, INTEGRAL BACKFLOW PREVENTER, STAINLESS STEEL FACE, OPERATING KEY LOCK, 3/4" MALE HOSE CONNECTION.
HB	HOSE BIBB	ZURN	Z1333XL	MODERATE CLIMATE, LEAD-FREE, EXPOSED, ANTI-SIPHON, AUTOMATIC DRAINING, INTEGRAL BACKFLOW PREVENTER, STAINLESS STEEL FACE, OPERATING KEY, 3/4" MALE HOSE CONNECTION.
MHB	MIXING HOSE BIBB	ZURN	Z1327-EZ	COMBINATION HOT AND COLD WATER, ENCASED, ANTI-SIPHON AUTOMATIC DRAINING HOSE CONNECTION BACKFLOW PREVENTER, STAINLESS STEEL BOX AND REMOVAL BE HINGED COVER, 3/4" MALE HOSE CONNECTION.
PRV	PRESSURE REDUCING VALVE	ZURN	500XL	BRONZE BODY WITH INTEGRAL BY-PASS CHECK VALVE. PROVIDE PRESSURE GAUGE DOWNSTREAM AND SHUT-OFF VALVES. MAXIMUM OPERATING PRESSURE OF 300 PSI. CONFORM TO ASSE 1003.
RPZ-1	REDUCED PRESSURE BACKFLOW PREVENTER	WATTS	LF909M1-QT-S, 1-1/2"	LEAD FREE, STRAINER, QUARTER TURN BALL VALVES, TEST COCKS, 175 PSI WORKING PRESSURE. INSTALL DRAIN LINE WITH AIR GAP ASSEMBLY TO APPROVED RECEPTOR.
TMV	THERMOSTATIC MIXING VALVE	WATTS	LFUSG-B	+/-2°F UP TO 120°F, WITH BUILT-IN CHECK VALVES. LEAD-FREE BRASS BODY, AND COPPER THERMOSTAT. ASSE 1070.
TP	TRAP PRIMER (OR TRAP GUARD)	WATTS (MIFAB)	LFTP300 (-DR) (MIFAB)	BRASS PRIMER VALVE WITH REMOVABLE OPERATING PARTS, LEAD FREE, INTEGRAL VACUUM BREAKER, AND GASKETED ACCESS COVER. PROVIDE DISTRIBUTION UNIT WHERE REQUIRED TO SERVE MULTIPLE TRAPS. (INLINE DRAIN TRAP SEAL, UV RESISTANT ABS FRAME, SILICON RUBBER SEALING FLAPPERS, ASSE 1072 CERTIFIED.)
WHA	WATER HAMMER ARRESTOR	ZURN	1250XL	LEAD-FREE, CONFORM TO PDI WH-201, ANSI A112.26.1M, ASSE 1010. SIZE PER MANUFACTURER'S RECOMMENDATION.
YCO	YARD CLEANOUT	ZURN	Z1449 / Z1474	CAST IRON FERRULE AND PLUG, DURA-COATED CAST IRON, DOUBLE-FLANGED HOUSING, AND EXTRA HEAVY DUTY SCORIATED CAST IRON COVER WITH LIFTING DEVICE AND VANDAL-PROOF SCREWS.

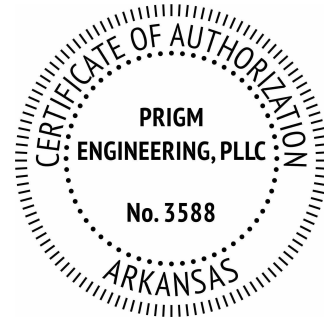
PLUMBING FIXTURE SCHEDULE							
MARK	FIXTURE	BRANCH SIZES (MIN.)				ELECTRICAL	DESCRIPTION
		CW	HW	WASTE	VENT		
DF	DRINKING FOUNTAIN	1/2"	---	1-1/2"	1-1/4"	120/1/60, 6 FLA (PLUG IN)	ELKAY, MODEL LZSTL8WSSK, BI-LEVEL ADA COOLER & BOTTLE FILLING STATION, FILTERED, 8 GPH, STAINLESS, 115/1/60, 6 FLA.
ES	EMERGENCY STATION	---	1-1/4" (T)	---	---	---	SAFETY SHOWER STATION WITH EYE/FACE WASH: GUARDIAN, MODEL G1950P, COMBINATION EYE/FACE WASH AND SHOWER SAFETY STATION. TEPID WATER SUPPLIED FROM EMERGENCY MIXING VALVE (ETMV).
LV	LAVATORY (ADA)	1/2"	1/2"	1-1/2"	1-1/2"	---	ADA COMPLIANT LAVATORY, AMERICAN STANDARD, MODEL 0355.012 "LUCERNE", 20-1/2" x 18-1/4", WALL-HUNG, WHITE, VITREOUS CHINA, FRONT OVERFLOW, 4" CENTERS, CONCEALED ARM SUPPORT, D-SHAPED BOWL, SELF-DRAINING DECK AREA WITH COUNTOUNED BACK AND SIDE SPLASH SHIELDS. FAUCET: DELTA, MODEL 505LF, 4" CENTERSSET, POLISHED CHROME, WITH SINGLE HANDLE AND GRID STRAINER DRAIN. PROVIDE WITH 0.5 GPM AERATOR.
MS	MOP SINK	1/2"	1/2"	3"	2"	---	PROVIDE THERMOSTATIC MIXING VALVE (TMV) SET FOR 105°F. FIAT, MODEL MSB2424, MOLDED STONE MOP SERVICE BASIN, 24" x 24" x 10", PROVIDE NO. 830AA FAUCET WITH INTEGRAL VACUUM BREAKER, NO. 832-AA HOSE AND BRACKET, NO. 1453BB FLOOR STRAINER AND NO. 899-CC MOP HANGER. LOCATE MOP HANGER BRACKET NEAR MOP SINK. COORDINATE FINAL LOCATION WITH OWNER.
UR	URINAL	1"	---	2"	1-1/2"	HARDWIRED	URINAL: AMERICAN STANDARD, MODEL 6590.001EC "WASHBROOK", WHITE, VITREOUS CHINA, WALL-HUNG, TOP SPUD, ELONGATED FLUSHING RIM, EXTENDED SIDES, 24" RIM HEIGHT.
WC	WATER CLOSET (ADA, FLOOR MOUNTED, BOTTOM OUTLET, TANK)	1/2"	---	4"	2"	---	FLUSH VALVE: SLOAN, MODEL 186 ESS-0.5, SENSOR OPERATED, HARDWIRED, 0.5 GPF, POLISHED CHROME. ADA COMPLIANT TOILET: AMERICAN STANDARD, MODEL 2467.016 "CADET", WHITE, VITREOUS CHINA, FLOOR MOUNTED, BOTTOM OUTLET, ELONGATED BOWL, PRESSURE-ASSISTED SIPHON JET, 1.6 GPF, 16-1/2" RIM HEIGHT FOR ADA COMPLIANCE, 12" ROUGH-IN. SEAT: AMERICAN STANDARD, MODEL 5901.100SS, OPEN FRONT LESS COVER, SELF-SUSTAINING HINGES.

GENERAL NOTES (ALL FIXTURES AS APPLICABLE):

1. FIXTURE AND HARDWARE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR, UNLESS NOTED OTHERWISE.
2. ADA TOILETS & URINALS: MOUNT CONTROLS ON ACCESSIBLE SIDE TO COMPLY WITH ADA REQUIREMENTS. COORDINATE WITH FIXTURE SUPPLIER.
3. WALL MOUNTED FIXTURES: PROVIDE AND INSTALL APPROPRIATE CARRIER FOR FIXTURE TYPE.
4. ADA LAVATORIES: PROVIDE INSULATION KIT (TRUEBRO E-Z SERIES "LAVGUARD") WHERE PIPING IS EXPOSED.
5. REFER TO ARCHITECTURAL PLANS FOR LEFT/RIGHT HAND ORIENTATION OF FIXTURES WHERE APPLICABLE.

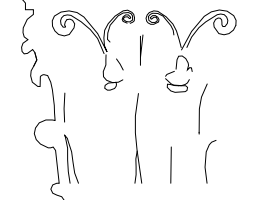


- # **PLAN NOTES:**
1. CONNECT NEW 5 PSI GAS LINE TO EXISTING 5 PSI GAS LINE BELOW GRADE. NEW PIPING SIZED FOR PRESSURE DROP TO 1.5 PSI AT EQUIPMENT REGULATOR PER 2018 AFGC TABLE 402.4(7) WITH A DEVELOPED LENGTH OF 900 FEET. ADDED DEMAND: 3574 MBH
 2. ROUTE SUPPLY LINES TIGHT TO STRUCTURE.
 3. PROVIDE WASTE ROUGH-IN FOR FUTURE SINK AND CAP.
 4. ROUTE NEW 5 PSI GAS LINE UP TO 1'-0" AFG AND INTO BUILDING.



310 W. DICKSON ST., SUITE 210
FAYETTEVILLE, AR 72701
479.877.3188 | WWW.PRIGM.COM

Dan Townsley
ARCHITECT



921 S Oak Hill Ste. 1
Rogers, AR 72758
479.631.5811 T PH
dan@dt-architect.com



02.04.2026

General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



PACKAGING
SPECIALTIES, INC.
Celebrating 50 years
EST. 1974

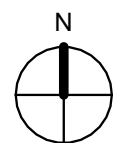
1755 S Armstrong Ave
Fayetteville, Arkansas

Sheet Contents:

Drawing Name: PLUMBING PLANS
Date: 02.04.2026
Revisions:

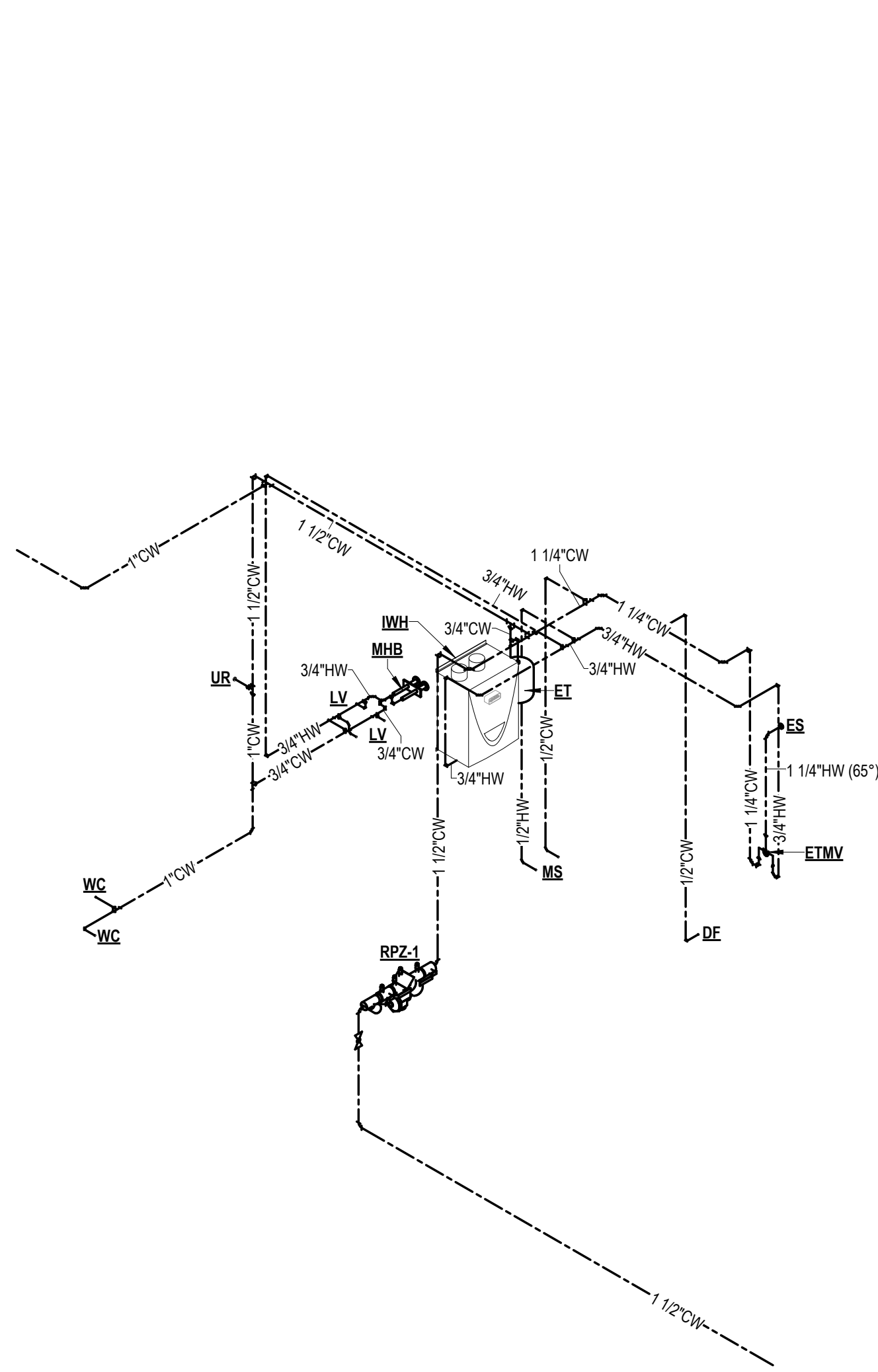
Sheet Number:

P2.0

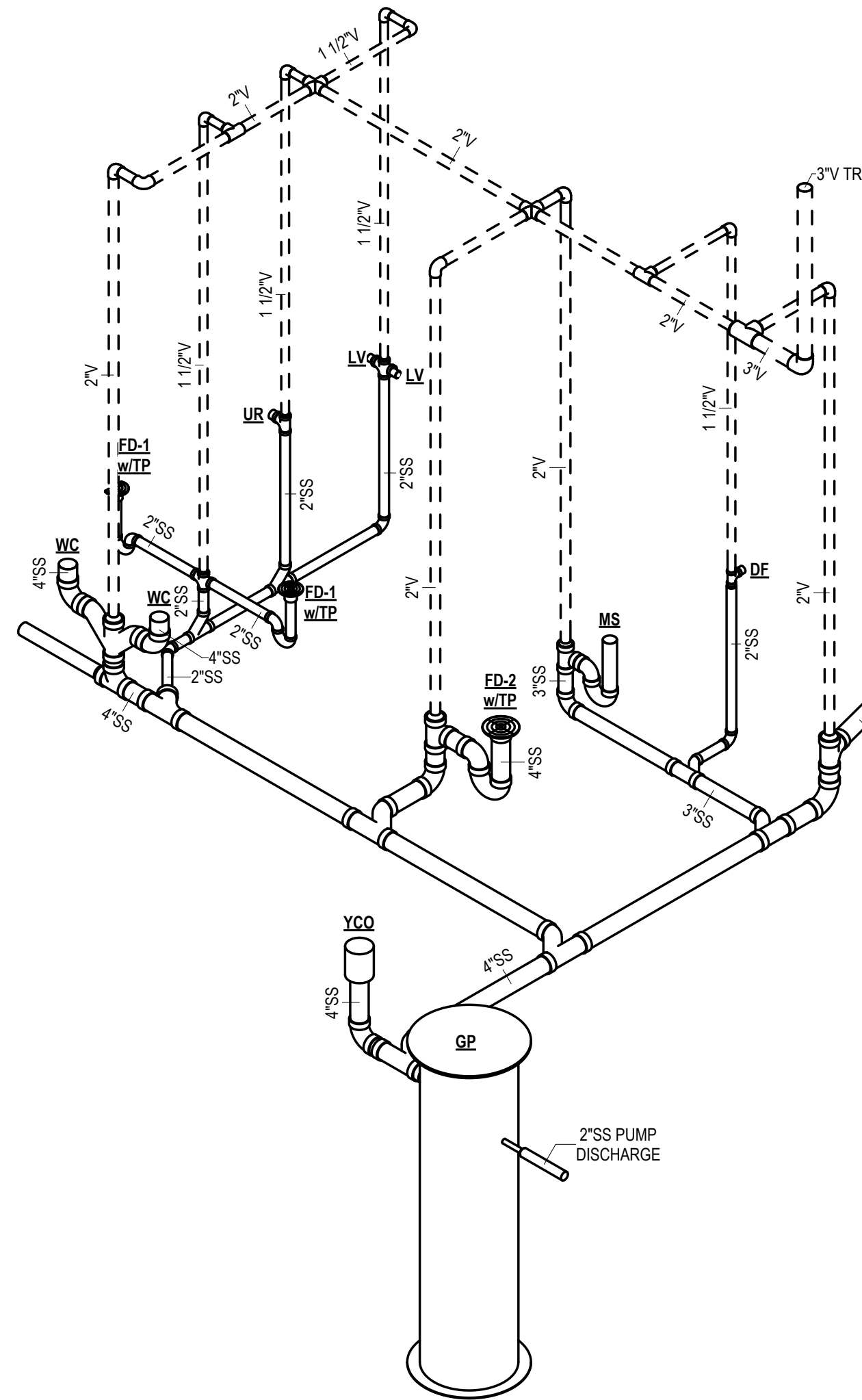


Copyright ©2026 N A B H O L Z Construction

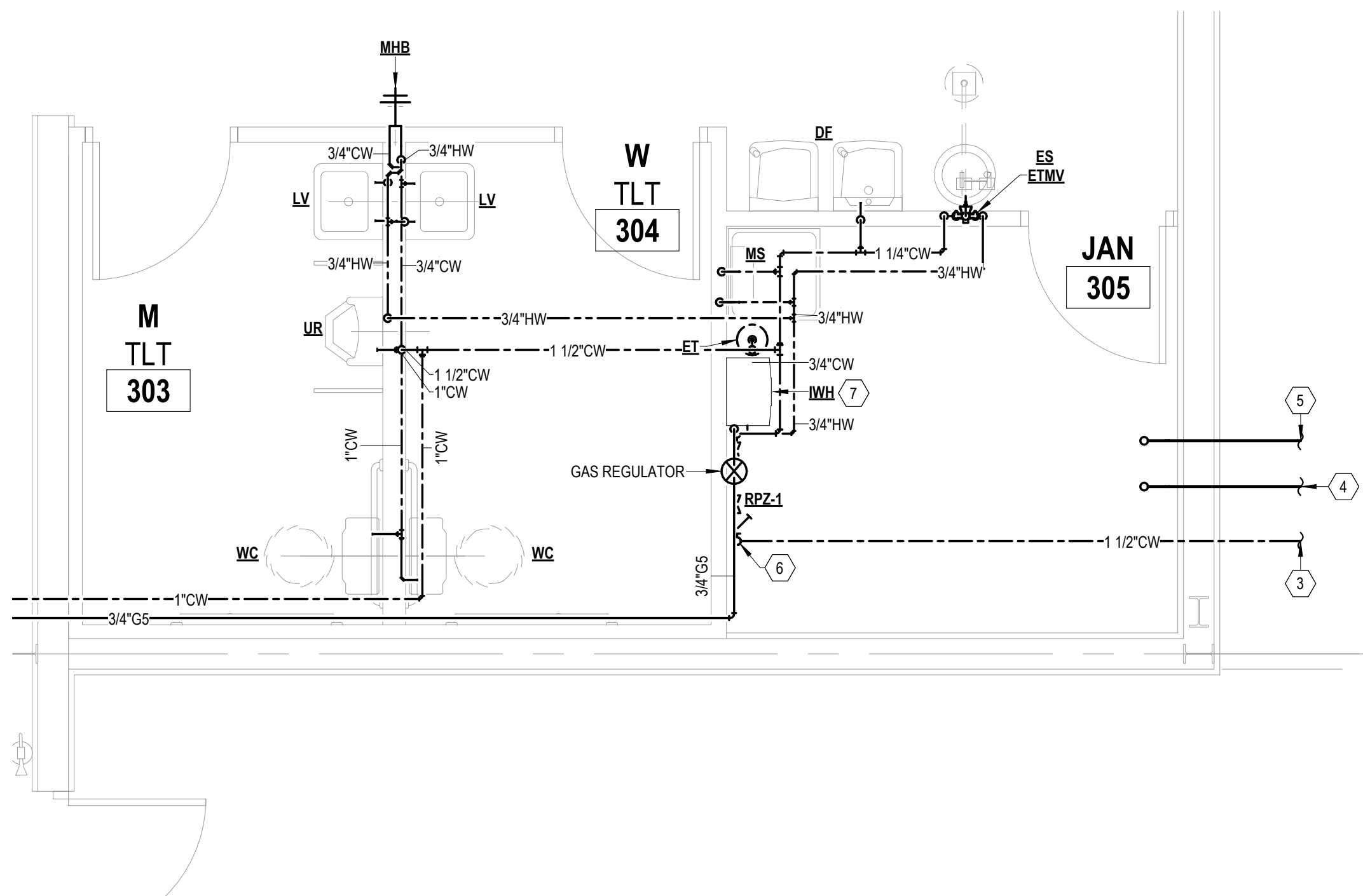
1 PLUMBING PLAN
3/32" = 1'-0"



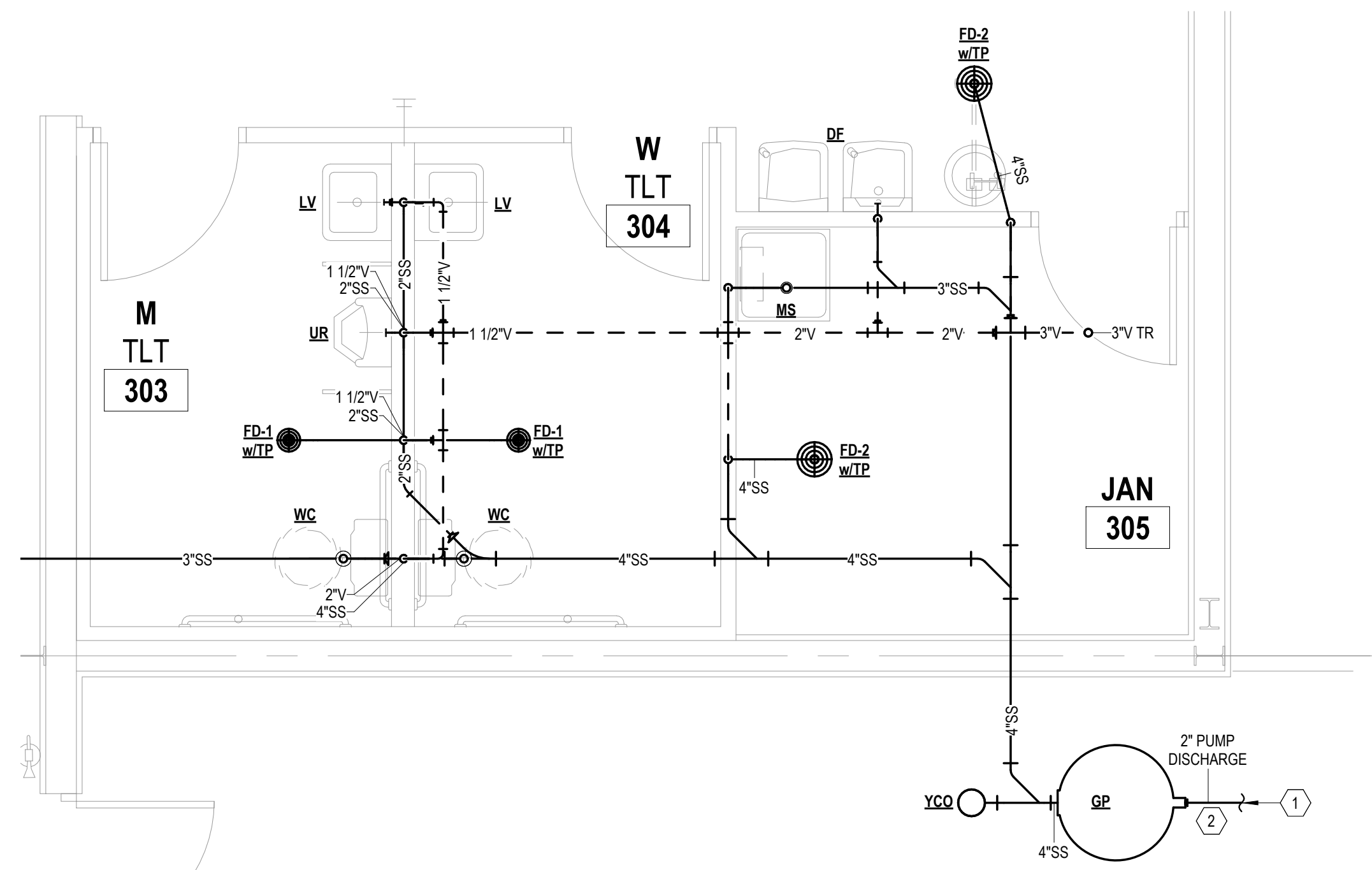
4 WATER ISOMETRIC - RESTROOMS



3 DWV ISOMETRIC - RESTROOMS

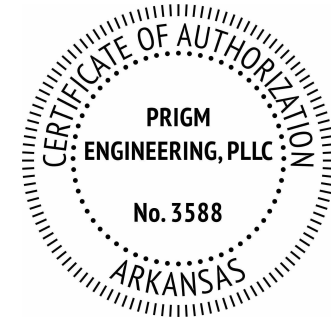


2 WATER ENLARGED PLAN
3/8" = 1'-0"



1 DWV ENLARGED PLAN
3/8" = 1'-0"

- # PLAN NOTES:
1. REFER TO CIVIL FOR FORCED MAIN SEWER LINE CONTINUATION.
 2. COORDINATE EXACT LOCATION AND INSTALLATION OF GRINDER PUMP WITH CIVIL. DO NOT UNDERMINE BUILDING FOUNDATION.
 3. INCOMING DOMESTIC WATER SERVICE. REFER TO CIVIL FOR CONTINUATION. DESIGN DEMAND: 43 GPM
 4. INCOMING FIRE LINE. REFER TO CIVIL FOR CONTINUATION. STUB UP INSIDE BUILDING AND CAP FOR SPRINKLER CONTRACTOR CONNECTION. EXACT SIZE AND LOCATION TO BE DETERMINED BY SPRINKLER CONTRACTOR.
 5. INCOMING FDC LINE. REFER TO CIVIL FOR CONTINUATION. STUB UP INSIDE BUILDING AND CAP FOR SPRINKLER CONTRACTOR CONNECTION. EXACT SIZE AND LOCATION TO BE DETERMINED BY SPRINKLER CONTRACTOR. REFER TO CIVIL FOR FDC LOCATION IN ACCORDANCE WITH LOCAL FIRE MARSHAL.
 6. DOMESTIC WATER SERVICE UP THRU SLAB WITH MAIN SHUT-OFF VALVE.
 7. MOUNT ON WALL. ROUTE VENT AND COMBUSTION AIR PIPING UP TO CONCENTRIC TERMINAL THRU ROOF PER MANUFACTURER'S INSTRUCTIONS.



02.04.2026

General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



1755 S Armstrong Ave
Fayetteville, Arkansas

Sheet Contents:

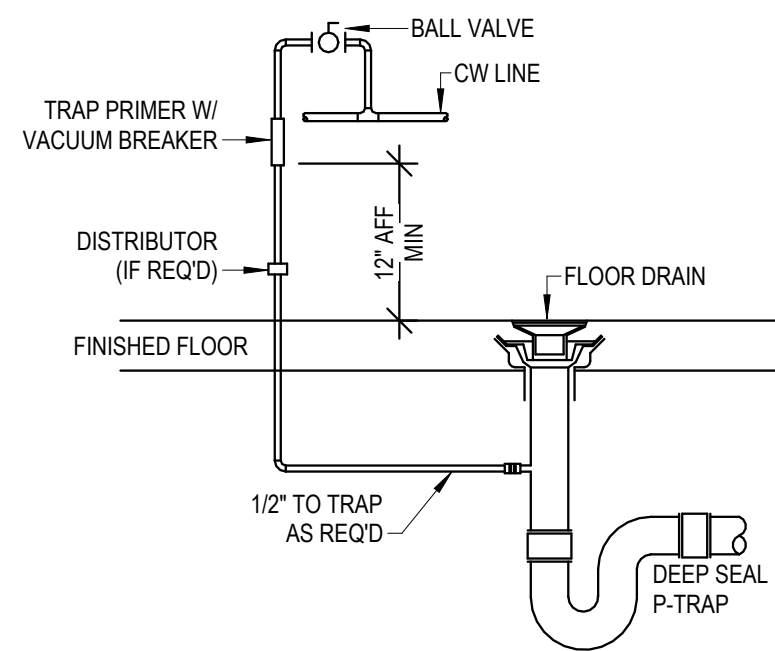
Drawing Name: PLUMBING PLANS
Date: 02.04.2026
Revisions:

Sheet Number:

P3.0

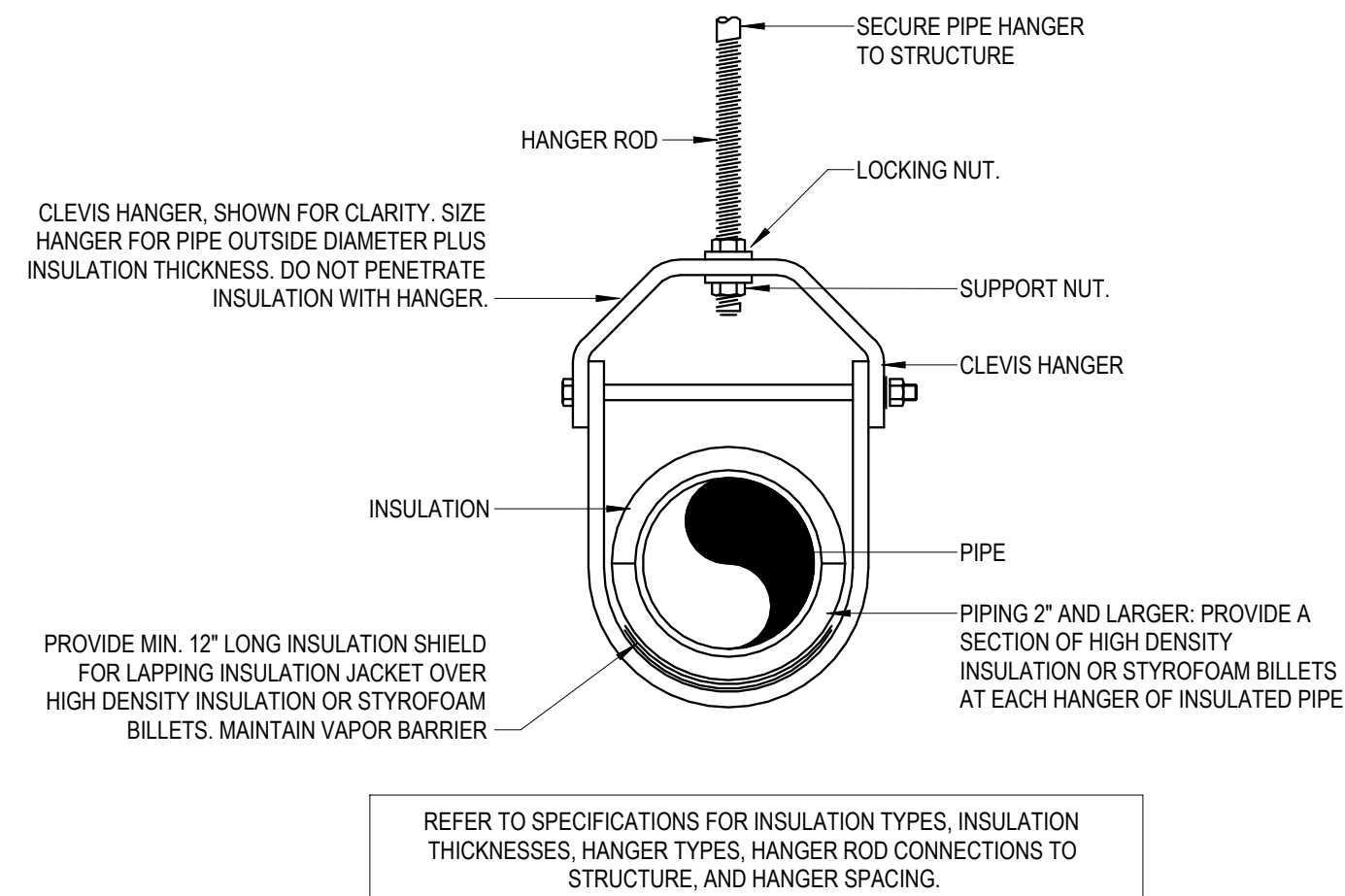
7 TRAP PRIMER

SCALE: NTS



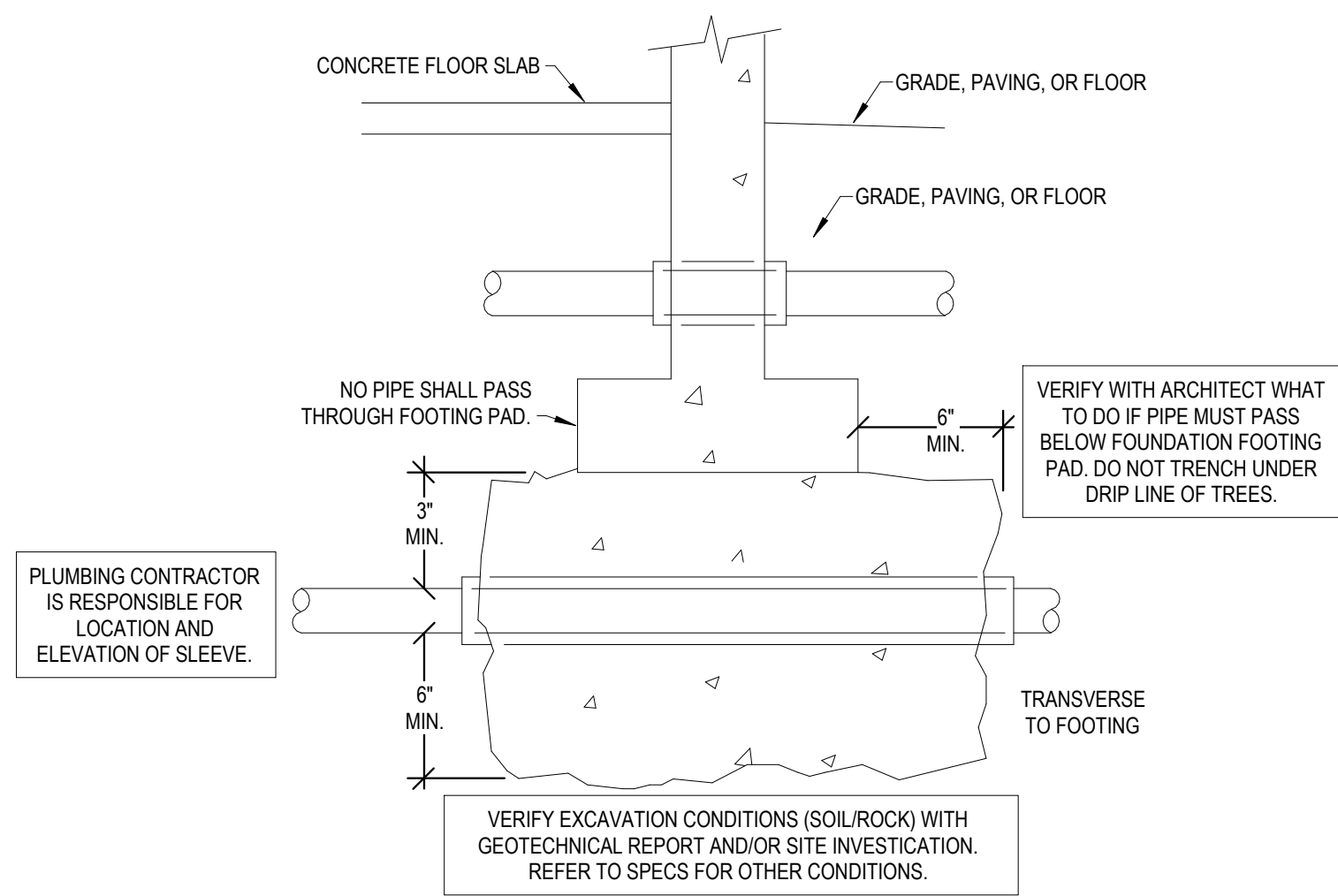
3 INSULATED PIPE HANGER

SCALE: NTS



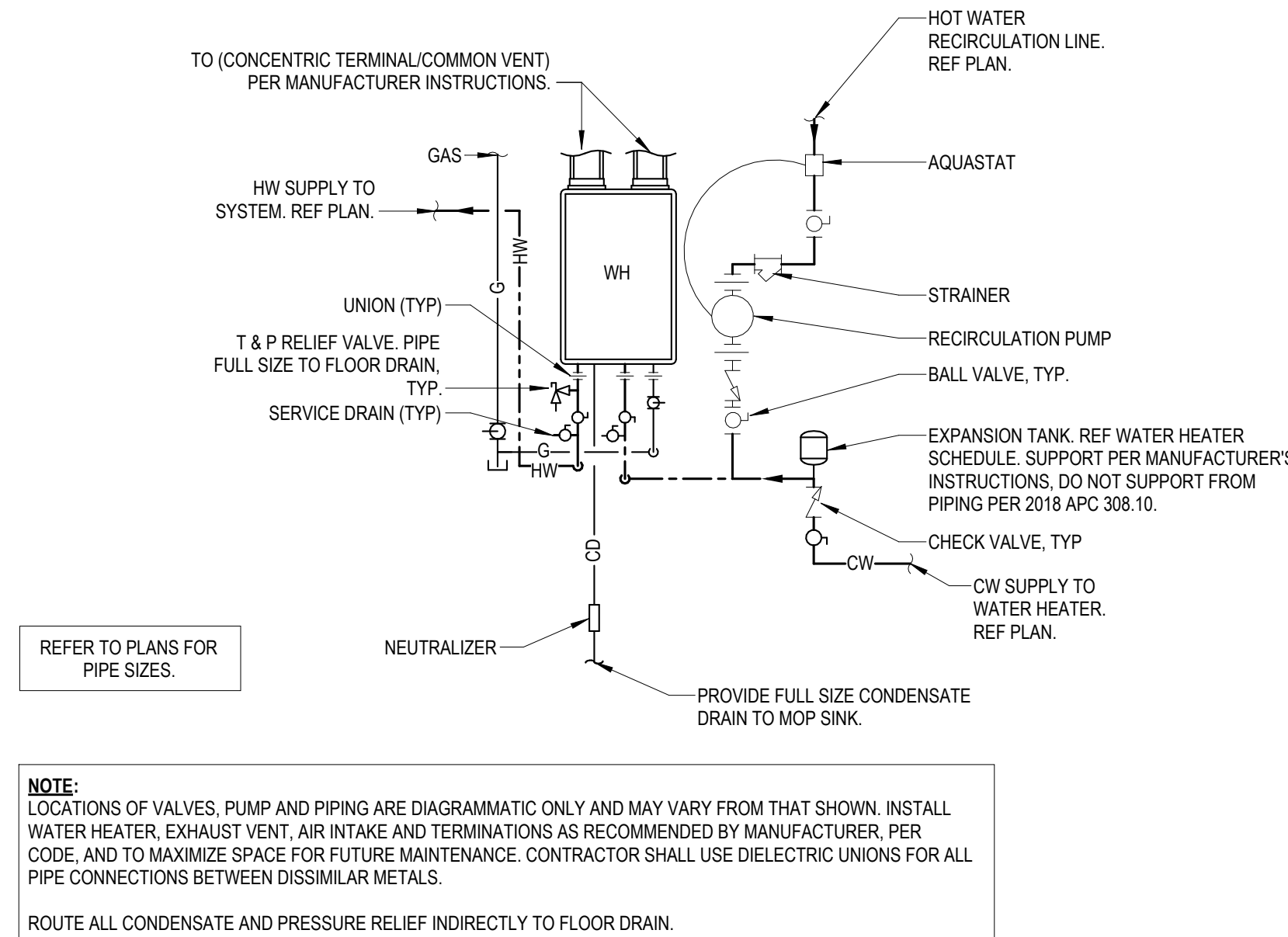
6 PIPE AND TRENCH LOCATION

SCALE: NTS



2 WATER HEATING SYSTEM DIAGRAM

NTS

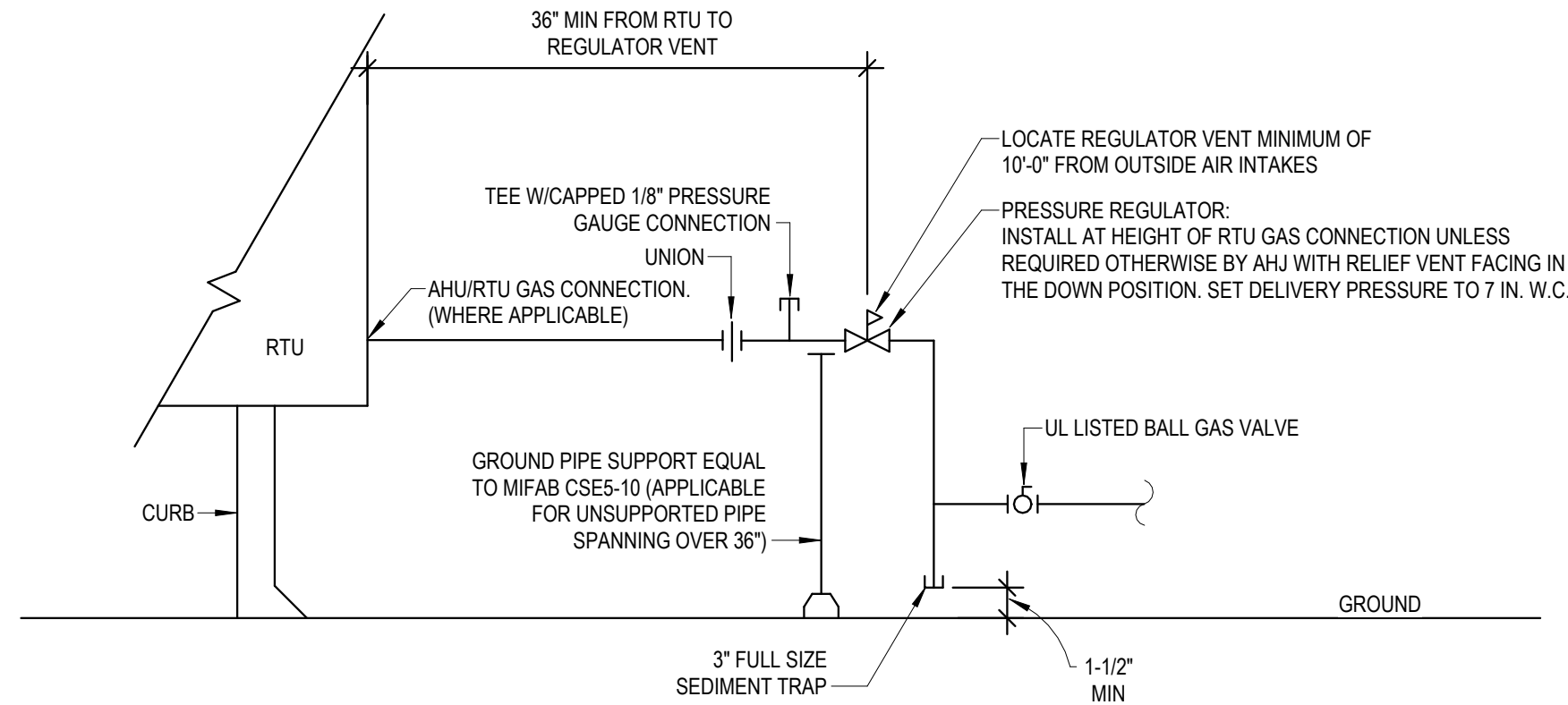


NOTE: LOCATIONS OF VALVES, PUMP AND PIPING ARE DIAGRAMMATIC ONLY AND MAY VARY FROM THAT SHOWN. INSTALL WATER HEATER, EXHAUST VENT, AIR INTAKE AND TERMINATIONS AS RECOMMENDED BY MANUFACTURER, PER CODE, AND TO MAXIMIZE SPACE FOR FUTURE MAINTENANCE. CONTRACTOR SHALL USE DIELECTRIC UNIONS FOR ALL PIPE CONNECTIONS BETWEEN DISSIMILAR METALS.

ROUTE ALL CONDENSATE AND PRESSURE RELIEF INDIRECTLY TO FLOOR DRAIN.

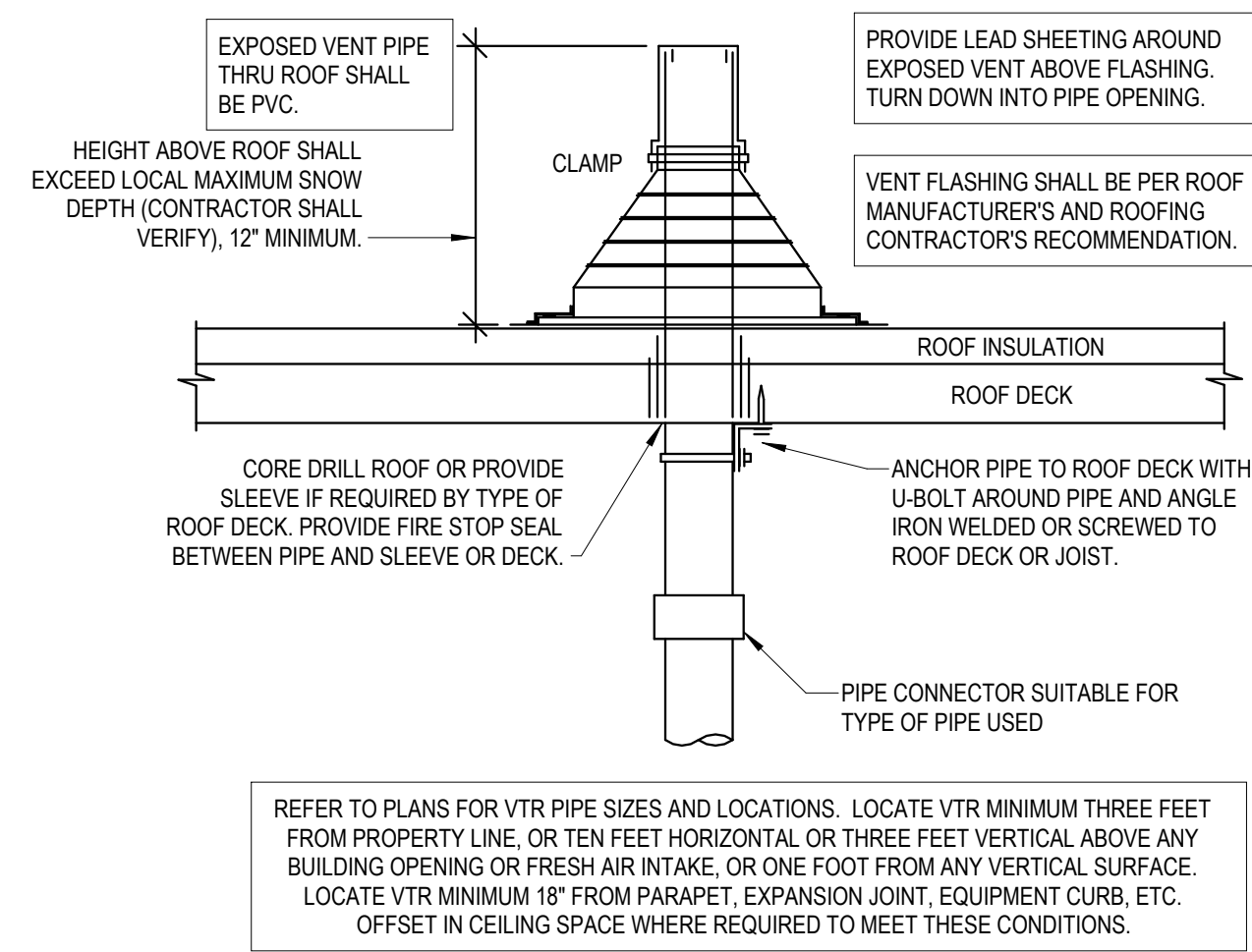
9 GROUND RTU GAS CONNECTION/SUPPORT

SCALE: NTS



5 VENT THRU ROOF

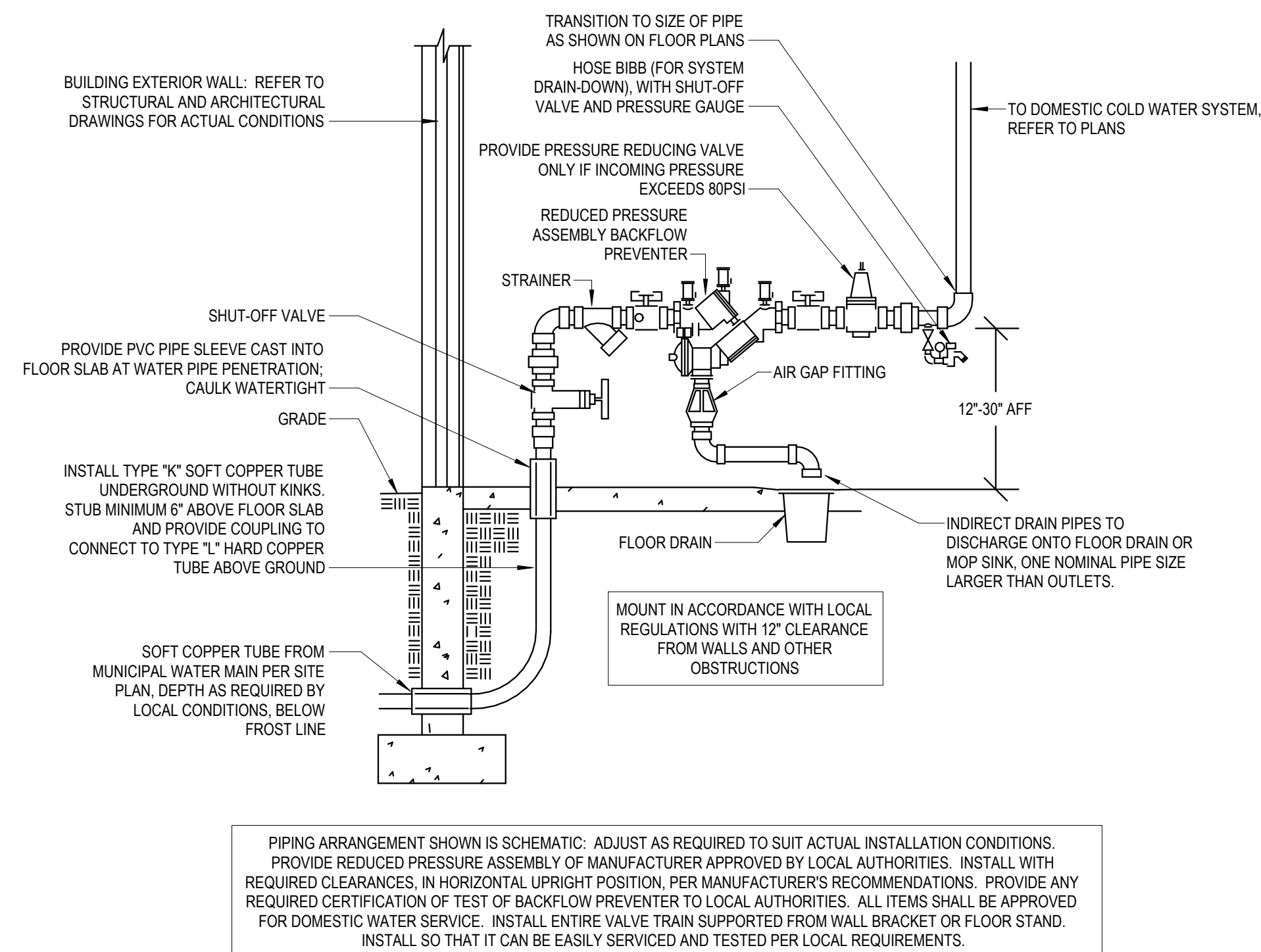
SCALE: NTS



REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR MINIMUM THREE FEET FROM PROPERTY LINE, OR TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, OR ONE FOOT FROM ANY VERTICAL SURFACE. LOCATE VTR MINIMUM 18" FROM PARAPET, EXPANSION JOINT, EQUIPMENT CURB, ETC. OFFSET IN CEILING SPACE WHERE REQUIRED TO MEET THESE CONDITIONS.

4 WATER HAMMER ARRESTOR

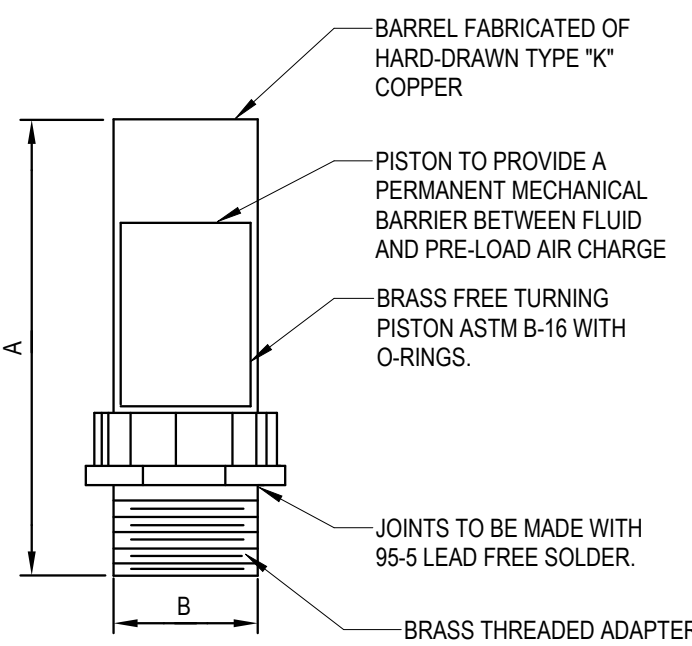
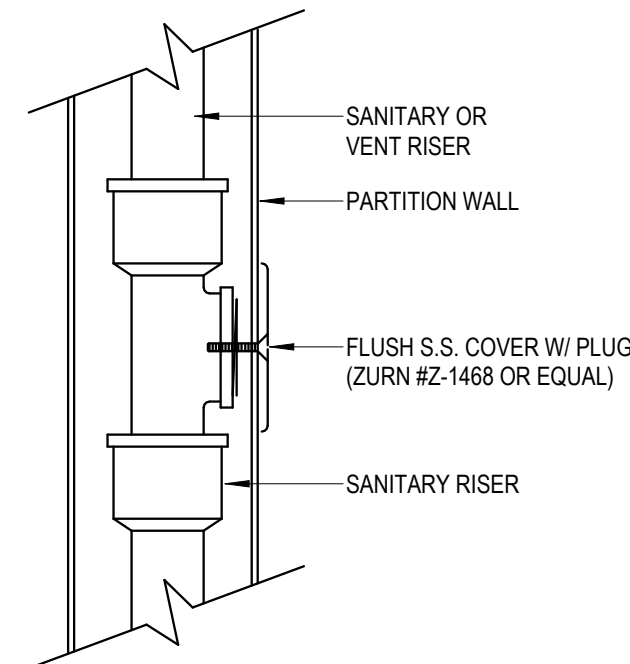
SCALE: NTS



PIPING ARRANGEMENT SHOWN IS SCHEMATIC; ADJUST AS REQUIRED TO SUIT ACTUAL INSTALLATION CONDITIONS. PROVIDE REDUCED PRESSURE ASSEMBLY OF MANUFACTURER APPROVED BY LOCAL AUTHORITIES. INSTALL WITH REQUIRED CLEARANCES, IN HORIZONTAL UPRIGHT POSITION, PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE ANY REQUIRED CERTIFICATION OF TEST OF BACKFLOW PREVENTER TO LOCAL AUTHORITIES. ALL ITEMS SHALL BE APPROVED FOR DOMESTIC WATER SERVICE. INSTALL ENTIRE VALVE TRAIN SUPPORTED FROM WALL BRACKET OR FLOOR STAND. INSTALL SO THAT IT CAN BE EASILY SERVICED AND TESTED PER LOCAL REQUIREMENTS.

8 WALL CLEANOUT

SCALE: NTS



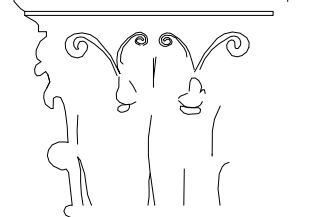
PPP SIZE	P.D.I. SYMBOL	FIXTURE UNIT RATINGS	A SIZE	B SIZE
1/2"	A	1 - 11	5"	1/2"
3/4"	B	12 - 32	5"	3/4"
1"	C	33 - 60	7"	1"
1-1/4"	D	61 - 113	7"	1-1/4"
1-1/2"	E	114 - 154	9"	1-1/2"
2"	F	155 - 330	9"	2"

LOCATE ARRESTORS IN AN ACCESSIBLE LOCATION. PROVIDE ARRESTORS AS INDICATED PER SCHEDULE. ARRESTORS SHALL BE SAME SIZE AS PIPE INSTALLED ON, MINIMUM.



310 W. DICKSON ST., SUITE 210
FAYETTEVILLE, AR 72701
479.877.3188 | WWW.PRIGM.COM

Dan Townsley
ARCHITECT



921 S Oak Hill Ste. 1
Rogers, AR 72758
479.631.5817 PH
dan@dt-architect.com



02.04.2026

General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



1755 S Armstrong Ave
Fayetteville, Arkansas

Sheet Contents:

Drawing Name: PLUMBING DETAILS
Date: 02.04.2026
Revisions:

Sheet Number:

P4.0

1.1 GENERAL REQUIREMENTS

- BE WATTS WATERPEX CROSSLINKED POLYETHYLENE OR APPROVED EQUAL. ALL PEX TUBING BELOW GRADE SHALL BE SLEEVED WITH PVC PIPE.
- a. FITTINGS SHALL BE MECHANICAL CRIMP FITTINGS IN COMPLIANCE WITH ASTM F1807. PEX FITTINGS SHALL BE BRASS CRIMPING FITTINGS USING EITHER COPPER CRIMPING, STAINLESS STEEL CRIMPCLAMP, OR APPROVED EQUAL. INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. MANUFACTURER FOR THE FITTINGS SHALL MATCH THE PIPING SYSTEM.
- b. PIPE SIZES SHOWN ON PLANS ARE FOR COPPER. IF PEX IS USED, ADJUST SIZES PER TABLE BELOW.

B. SOIL, WASTE, AND VENT PIPING

- C. FIGURED DIMENSIONS SHALL BE TAKEN IN PREFERENCE TO SCALE DIMENSIONS. CONTRACTOR SHALL TAKE HIS OWN MEASUREMENTS AT THE BUILDING, AS VARIATIONS MAY OCCUR. CONTRACTOR WILL BE HELD RESPONSIBLE FOR ERRORS THAT COULD HAVE BEEN AVOIDED BY PROPER CHECKING AND INSPECTION.
- D. PROVIDE MATERIALS WITH TRIM THAT WILL PROPERLY FIT THE TYPES OF CEILING, WALL, OR FLOOR FINISHES ACTUALLY INSTALLED. MODEL NUMBERS LISTED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS ARE NOT INTENDED TO DESIGNATE THE REQUIRED TRIM.
- 1.5 ORDINANCES AND CODES:
- A. WORK PERFORMED UNDER THIS CONTRACT SHALL, AT A MINIMUM, BE IN CONFORMANCE WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES HAVING JURISDICTION. EQUIPMENT FURNISHED AND ASSOCIATED INSTALLATION WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN STRICT COMPLIANCE WITH CURRENT APPLICABLE CODES ADOPTED BY THE LOCAL AIA INCLUDING ANY AMENDMENTS AND STANDARDS AS SET FORTH BY THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), UNDERWRITERS LABORATORIES (UL), OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME), AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR CONDITIONING ENGINEERS (ASHRAE), AMERICAN NATIONAL STANDARD INSTITUTE (ANSI), AMERICAN SOCIETY OF TESTING MATERIALS (ASTM), AND OTHER NATIONAL STANDARDS AND CODES WHERE APPLICABLE. WHERE THE CONTRACT DOCUMENTS EXCEED THE REQUIREMENTS OF THEIR REFERENCED CODES, STANDARDS, ETC., THE CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE.
- B. PROCURE AND PAY FOR PERMITS AND LICENSES REQUIRED FOR THE ACCOMPLISHMENT OF THE WORK HEREIN DESCRIBED. WHERE REQUIRED, OBTAIN, PAY FOR, AND FURNISH CERTIFICATES OF INSPECTION TO THE OWNER. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR VIOLATIONS OF THE LAW.

1.6 PROTECTION OF EQUIPMENT AND MATERIALS:

- A. STORE AND PROTECT FROM DAMAGE EQUIPMENT AND MATERIALS DELIVERED TO JOB SITE. SHELTER FROM THE ELEMENTS BY STORING IN DRY, HEATED SPACES OR COVER WITH WATERPROOF, TEAR-RESISTANT, HEAVY TAPE OR POLYETHYLENE PLASTIC AS REQUIRED TO PROTECT FROM PLASTER, DIRT, PAINT, WATER, PHYSICAL DAMAGE, OR THEFT. EQUIPMENT AND MATERIAL THAT HAS BEEN DAMAGED BY CONSTRUCTION ACTIVITIES WILL BE REJECTED, AND CONTRACTOR IS OBLIGATED TO FURNISH NEW EQUIPMENT AND MATERIAL OF A LIKE KIND AS APPROVED BY OWNER.
 - B. KEEP PREMISES CLEAR FROM FOREIGN MATERIAL CREATED DURING WORK PERFORMED UNDER THIS CONTRACT. PIPING, EQUIPMENT, ETC., SHALL HAVE A NEAT AND CLEAN APPEARANCE AT THE TERMINATION OF THE WORK.
 - C. PLUG OR CAP OPEN ENDS OF PIPING SYSTEMS WHILE STORED OR INSTALLED DURING CONSTRUCTION WHEN NOT IN USE TO PREVENT THE ENTRANCE OF DEBRIS INTO THE SYSTEMS.
- 1.7. SUBSTITUTIONS:
- A. THE BASIC BID SHALL INCLUDE ONLY THE PRODUCTS FROM MANUFACTURERS SPECIFICALLY NAMED IN THE DRAWINGS AND SPECIFICATIONS. NO SUBSTITUTION WILL BE CONSIDERED PRIOR TO RECEIPT OF BIDS UNLESS WRITTEN REQUEST FOR APPROVAL TO BID HAS BEEN RECEIVED BY THE ENGINEER AT LEAST TEN CALENDAR DAYS PRIOR TO THE DATE FOR RECEIPT OF BIDS. EACH SUCH REQUEST SHALL INCLUDE THE NAME OF THE MATERIAL OR EQUIPMENT FOR WHICH IT IS TO BE SUBSTITUTED AND A COMPLETE DESCRIPTION OF THE PROPOSED SUBSTITUTE INCLUDING DRAWINGS, CUT SHEETS, PERFORMANCE AND TEST DATA AND OTHER INFORMATION NECESSARY FOR AN EVALUATION. A STATEMENT SETTING FORTH CHANGES IN OTHER MATERIALS, EQUIPMENT OR OTHER WORK THAT INCORPORATION OF THE SUBSTITUTE WOULD REQUIRE SHALL BE INCLUDED. THE BURDEN OF PROOF OF THE MERIT OF THE PROPOSED SUBSTITUTE IS UPON THE PROPOSER. THE ENGINEER'S DECISION OF APPROVAL OR DISAPPROVAL TO BID OF A PROPOSED SUBSTITUTION SHALL BE FINAL.
 - B. THE TERMS "APPROVED," "APPROVED EQUAL," AND "EQUAL" REFER TO APPROVAL BY THE ENGINEER AS AN ACCEPTABLE ALTERNATE BID. NO SUBSTITUTIONS WILL BE CONSIDERED THAT ARE NOT BID AS AN ALTERNATE. NO MATERIAL SUBSTITUTIONS SHALL BE CONSIDERED FOR APPROVAL PRIOR TO AWARD OF CONTRACT.
 - C. COORDINATE AND VERIFY WITH OTHER TRADES WHETHER OR NOT THE SUBSTITUTED EQUIPMENT CAN BE INSTALLED AS SHOWN ON THE CONSTRUCTION DRAWINGS WITHOUT MODIFICATION TO ASSOCIATED SYSTEMS OR ARCHITECTURAL OR ENGINEERING DESIGN. INCLUDE ADDITIONAL COSTS FOR ARCHITECTURAL AND ENGINEERING DESIGN FEES IN BID IF DRAWING MODIFICATIONS ARE REQUIRED BECAUSE OF SUBSTITUTED EQUIPMENT.

1.8 SHOP DRAWINGS AND SUBMITTALS

PAINT. COLOR SHALL MATCH BUILDING COLORS. COORDINATE COLOR WITH OWNER'S CONSTRUCTION MANAGER OR ARCHITECT.

2.2 ROOF FLASHING:

- A. ROOF FLASHINGS ARE THE FURNISHED AND INSTALLED UNDER THE ROOFING SECTION OF THE PROJECT SPECIFICATIONS.
- 2.3 PIPING INSULATION:
- A. DOMESTIC COLD WATER PIPING (WITHIN BUILDING):
1. COPPER PIPING: ONE-PIECE FIBERGLASS COVERING WITH A CONTINUOUS VAPOR BARRIER MANUFACTURED BY CERTAINTED, OWENS-CORNING, ARMSTRONG, OR APPROVED EQUAL.
 - a. PIPING LESS THAN 1-1/2" 1/2" THICK.
- B. DOMESTIC HOT WATER PIPING :
1. COPPER PIPING AND PEX TUBING: ONE-PIECE FIBERGLASS COVERING WITH CONTINUOUS VAPOR BARRIER MANUFACTURED BY CERTAINTED, OWENS-CORNING, ARMSTRONG, OR APPROVED EQUAL.
 - a. FLUID TEMPERATURE 140°F OR LESS.
 - i. PIPING LESS THAN 1-1/2" 1" THICK.
- C. FOR PIPING AT HANGERS, PROVIDE 8" LONG SECTIONS OF HIGH DENSITY, HIGH TEMPERATURE CALCIUM SILICATE MANUFACTURED BY JOHNS-MANVILLE, FIBERGLASS MANUFACTURED BY KNAUF, OR 8" LONG STYROFOAM BILLETS MANUFACTURED BY DOW. INSULATION SHALL BE CONTINUOUS ALONG THE PIPE SURFACE EXCEPT AT VALVES, UNIONS, AND WHERE PIPING IS EXPOSED AT FIXTURES.
- D. FOR HOT WATER AND COLD WATER PIPING EXPOSED, CONCEALED IN WALLS, AND/OR INSTALLED INSIDE MASONRY UNITS OF WALLS, COVER FITTINGS WITH ZESTON, KNAUF, OR APPROVED EQUAL. ONE-PIECE PVC PREMOLED INSULATING COVERS, FITTING COVERS, JACKETS, AND ADHESIVES SHALL NOT EXCEED FLAME SPREAD RATING OF 25 AND SMOKE DEVELOPMENT RATING OF 50 PER ASTM E84. AT ALL ELBOWS AND TEES, FILL VOIDS BETWEEN COVERS AND PIPING WITH FIBERGLASS INSULATION AND TAPE JOINTS. INSTALL PIPE INSULATION IN COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS. WHERE PREMOLED INSULATING FITTINGS ARE NOT APPROVED BY LOCAL AUTHORITIES, WATER INSULATION AT FITTINGS.
- E. FOR HANDICAP FIXTURE HOT AND COLD WATER PIPING, TRAPS, DRAINS, AND STOPS, PROVIDE MANUFACTURED FIBERGLASS INSULATION COVERED WITH PVC PLASTIC JACKET MANUFACTURED BY TRUEBRO OR APPROVED EQUAL.
- F. FOR PIPING EXPOSED TO FREEZING WITH HEAT TRACE, PROVIDE 2" THICK FIBERGLASS COVERING WITH CONTINUOUS VAPOR BARRIER MANUFACTURED BY CERTAINTED, OWENS-CORNING, ARMSTRONG, OR APPROVED EQUAL.

2.4 PLUMBING FIXTURES, SPECIALTIES AND EQUIPMENT:

- A. FIXTURES: KOHLER, AMERICAN STANDARD, ELIJER, OR APPROVED EQUAL.
- B. DRINKING FOUNTAINS: ELKAY, OASIS, HAWS, OR APPROVED EQUAL.
- C. CARRIERS: WADE, ZURN, OR APPROVED EQUAL.
- D. FLUSH VALVES: SLOAN OR APPROVED EQUAL.
- E. FLOOR DRAINS AND CLEAN OUTS: WADE, ZURN, OR APPROVED EQUAL.
- F. WALL HYDRANTS AND HOSE BIBBS: WOODFORD, OR APPROVED EQUAL.
- G. WATER HEATERS: BRADFORD-WHITE, RHEEM, A.O. SMITH, OR APPROVED EQUAL.
- H. WATER PRESSURE REGULATORS AND BACKFLOW PREVENTERS: FEBCO, WATTS, OR APPROVED EQUAL.
- I. SUPPLIES, STOPS, TRAPS: EBC, MCQUIE, CHICAGO FAUCET, OR APPROVED EQUAL.

- A. SUBMIT MANUFACTURER'S CATALOG SHEETS AND/OR SHOP DRAWINGS COVERING ALL PHASES OF WORK INCLUDED IN THIS CONTRACT. SUBMITTALS SHALL BE ARRANGED IN SETS AND BOUND IN FOLDERS OR IN BOOKMARKED PDF FORMAT. SUBMITTALS ARE REQUIRED EVEN THOUGH EQUIPMENT BEING FURNISHED IS EXACTLY AS SPECIFIED. FINAL DECISION AS TO WHETHER OR NOT A SPECIFIC PIECE OF EQUIPMENT MEETS SPECIFICATIONS SHALL REST WITH ARCHITECT.
- 1.9 OPERATION AND MAINTENANCE INSTRUCTIONS:
- A. COLLECT AND COMPILE A COMPLETE BROCHURE OF FIXTURES, MATERIALS, AND EQUIPMENT FURNISHED AND INSTALLED ON THIS PROJECT. INCLUDE OPERATIONAL AND MAINTENANCE INSTRUCTIONS, MANUFACTURER'S CATALOG SHEETS, WIRING DIAGRAMS, PARTS LISTS, APPROVED SHOP DRAWINGS, AND DESCRIPTIVE LITERATURE FURNISHED BY THE MANUFACTURER. INCLUDE AN INSIDE COVER SHEET THAT LISTS THE PROJECT NAME, DATE, OWNER, ARCHITECT, ENGINEER, GENERAL CONTRACTOR, SUBCONTRACTOR, AND AN INDEX OF CONTENTS.
- B. SUBMIT COPIES OF LITERATURE BOUND IN APPROVED BINDERS (OR IN BOOKMARKED PDF FORMAT) TO THE ARCHITECT AND OWNER AT THE TERMINATION OF THE WORK. PAPER CLIPS, STAPLES, RUBBER BANDS, AND MAILING ENVELOPES ARE NOT CONSIDERED APPROVERS. FINAL APPROVAL OF MECHANICAL SYSTEMS WILL BE WITHHELD UNTIL THIS EQUIPMENT BROCHURE IS DEEMED COMPLETE BY THE ARCHITECT, ENGINEER, AND OWNER.

1.10 WARRANTIES:

- A. WARRANT EACH SYSTEM AND EACH ELEMENT THEREOF AGAINST ALL DEFECTS DUE TO FAULTY WORKMANSHIP, DESIGN, OR MATERIAL FOR A PERIOD OF 12 MONTHS FROM DATE OF SUBSTANTIAL COMPLETION, UNLESS SPECIFIC ITEMS ARE NOTED TO CARRY A LONGER WARRANTY IN THE CONSTRUCTION DOCUMENTS OR MANUFACTURER'S STANDARD WARRANTY EXCEEDS 12 MONTHS. TIME PERIOD FOR CORRECTION OF DEFECTIVE MOTORS SHALL BE FIVE YEARS FROM THE DATE OF SUBSTANTIAL COMPLETION. REMEDY ALL DEFECTS, OCCURRING WITHIN THE WARRANTY PERIOD(S), AS STATED IN THE GENERAL CONDITIONS AND DIVISION 1.
- B. WARRANTIES SHALL INCLUDE LABOR AND MATERIAL. MAKE REPAIRS OR REPLACEMENTS WITHOUT ANY ADDITIONAL COSTS TO THE OWNER.
- C. PERFORM THE REMEDIAL WORK PROMPTLY, UPON WRITTEN NOTICE FROM THE ENGINEER OR OWNER.
- D. AT THE TIME OF SUBSTANTIAL COMPLETION, DELIVER TO THE OWNER ALL WARRANTIES, IN WRITING AND PROPERLY EXECUTED, INCLUDING TERM LIMITS FOR WARRANTIES EXTENDING BEYOND THE ONE YEAR PERIOD, EACH WARRANTY INSTRUMENT BEING ADDRESSED TO THE OWNER AND STATING THE COMMENCEMENT DATE AND TERM.

1.11 CUTTING AND PATCHING:

- A. PERFORM CUTTING OF WALLS, FLOORS CEILINGS, ETC. AS REQUIRED TO INSTALL WORK UNDER THIS SECTION. OBTAIN PERMISSION FROM THE ARCHITECT PRIOR TO CUTTING. DO NO CUT OR DISTURB STRUCTURAL MEMBERS WITHOUT PRIOR APPROVAL FROM THE ARCHITECT. CUT HOLES AS SMALL AS POSSIBLE. GENERAL CONTRACTOR SHALL PATCH WALLS, FLOORS, ETC. AS REQUIRED BY WORK UNDER THIS SECTION. PATCHING SHALL MATCH THE ORIGINAL MATERIAL AND CONSTRUCTION. REPAIR AND FINISH AREAS DISTURBED BY WORK TO THE CONDITION OF ADJOINING SURFACES IN A MANNER SATISFACTORY TO THE ARCHITECT.

1.12 ROUGH-IN

- A. COORDINATE WITHOUT DELAY ROUGHING-IN WITH GENERAL CONSTRUCTION. CONCEAL PIPING AND CONDUIT ROUGH-IN EXCEPT IN UNFINISHED AREAS WHERE OTHERWISE SHOWN.

1.13 STRUCTURAL STEEL

- A. STRUCTURAL STEEL USED FOR PIPE SUPPORTS, EQUIPMENT SUPPORTS, ETC., SHALL BE NEW, CLEAN, AND CONFORM TO ASTM DESIGNATION A-36.
- B. SUPPORT PLUMBING EQUIPMENT AND PIPING FROM THE BUILDING STRUCTURE. DO NOT SUPPORT PLUMBING SYSTEMS FROM CEILINGS, OTHER MECHANICAL, PLUMBING, OR ELECTRICAL COMPONENTS, AND OTHER NON-STRUCTURAL ELEMENTS.

1.14 ACCESS DOORS

- J. PROVIDE ALL NECESSARY SUPPORT, TRIM AND ACCESSORIES REQUIRED.
- K. ALL EXPOSED FINISHED METAL PARTS SHALL BE CHROME-PLATED, UNLESS OTHERWISE SCHEDULED.
- L. ALL FIXTURES SHALL BE PROVIDED WITH SUPPLIES STOPS AND ESCUTCHEON PLATES.
- M. TRAPS SHALL BE 17 GA. MINIMUM, WITH CLEANOUT.
- N. GAS COCKS REQUIRED FOR NATURAL GAS PIPING SYSTEMS BY DEZURIK, UNIT OF GENERAL SIGNAL, HOMESTEAD INDUSTRIES, INC., VALVE DIV., JENKINS BROS., LUNKENHEIMER CO., DIV. OF CONVAL CORP., MIBC, INC., POWELL CO., ROCKWELL MFG. CO., WALWORTH CO.
1. GAS COCKS 2" AND SMALLER: 150 PSI NON-SHOCK WOG, BRONZE STRAIGHTWAY COCK, FLAT OR SQUARE HEAD, THREADED ENDS.
 2. GAS COCKS 2-1/2" AND LARGER: 125 PSI NON-SHOCK WOG, IRON BODY, BRONZE MOUNTED, STRAIGHTWAY COCK, SQUARE HEAD, FLANGED ENDS.

PART 3: INSTALLATION

3.1 GENERAL:

- A. CLEAN PIPE THOROUGHLY PRIOR TO INSTALLATION. REAM ENDS OF PIPE TO REMOVE BURRS.
 - B. CUT PIPE ACCURATELY TO MEASUREMENTS TAKEN ON THE JOB.
 - C. INSTALL WITH ADEQUATE CLEARANCE FOR INSTALLATION OF COVERINGS WHERE REQUIRED.
 - D. PIPE SHALL NOT BE SPRUNG OR BENT.
 - E. NEATLY ALIGN PIPE, CONNECT IT SECURELY, AND SUPPORT IT FROM THE BUILDING STRUCTURE WITH HANGERS AS SPECIFIED BELOW.
 - F. PROVIDE CHROME-PLATED ESCUTCHEONS ON WALL PENETRATIONS THROUGH CEILINGS, FLOORS, OR WALLS OF FINISHED SPACES.
 - G. RUN PIPES FREELY THROUGH FLOOR AND WALL PENETRATIONS USING PIPE SLEEVES. DO NOT GROUT IN PLACE UNLESS REQUIRED FOR STRUCTURAL FIRE INTEGRITY.
 - H. INSTALL PIPE CONCEALED IN FINISHED SPACES WHEREVER POSSIBLE.
 - I. USE A DIELECTRIC UNION WHERE FERROUS AND COPPER PIPE CONNECT. DIELECTRIC UNION SHALL HAVE A ZINC STEEL BODY, A THREADED NYLON INSERT, AND INSULATION PRESSURE GASKET. NO FERROUS METAL-TO-COPPER CONNECTION MADE WITHOUT INSULATING UNIONS WILL BE ALLOWED.
- 3.2. HANGERS & SUPPORTS:
- A. PIPE HANGERS SHALL BE AS DESCRIBED IN THE SPECIFICATIONS BY B-LINE OR EQUAL BY ANVIL, MICHIGAN, TRUSCON, OR UNISTRUT.
 - B. CONNECT HANGERS TO THE STRUCTURE WITH SIDE BEAM CONNECTORS AND ALL THREAD HANGER RODS.
 - C. PROVIDE ENGINEERED SUPPORT STRUTS BETWEEN JOISTS AND OTHER STRUCTURAL MEMBERS AS REQUIRED TO PROVIDE A RIGID HANGING.
- 3.3. DOMESTIC WATER:
- A. ARRANGE COLD AND HOT WATER PIPING TO DRAIN AT THE LOWEST POINT IN EACH SYSTEM.
 - B. INSTALL AT LEAST ONE PIPE UNION ADJACENT TO ALL SHUT-OFF VALVES, AT CONNECTION POINT OF EACH PIECE OF EQUIPMENT, AND ELSEWHERE IN THE SYSTEM WHERE REQUIRED TO ALLOW FOR REGULAR MAINTENANCE. PROVIDE UNIONS OF THE GROUND JOINT TYPE.
 - C. MAKE ALLOWANCE FOR EXPANSION AND CONTRACTION WHERE REQUIRED BY THE INSTALLATION.

- A. PROVIDE ACCESS DOORS IN CEILINGS AND WALLS WHERE INDICATED OR REQUIRED FOR ACCESS TO CONCEALED VALVES AND EQUIPMENT INSTALLED UNDER THIS SECTION. PROVIDE CONCEALED HINGES, SCREWDRIVER-TYPE LOCK, ANCHOR STRAPS, MANUFACTURED BY MILCOR, ZURN, TITUS, OR EQUAL. OBTAIN ARCHITECT'S APPROVAL OF TYPE, SIZE, LOCATION, AND COLOR BEFORE ORDERING.
- 1.15 PENETRATIONS:
- A. SEAL FLOOR, EXTERIOR WALL, AND ROOF PENETRATIONS WATER AND WEATHER TIGHT WITH APPROPRIATE NON-SHRINK, NON-HARDENING COMMERCIAL CONSTRUCTION SEALANT. SEAL ROOF PENETRATIONS WITH FOUR POUND PER SQUARE FOOT LEAD FLASHING. PROVIDE A SLEEVE, AND SEAL NON-FIRE-RATED FLOOR AND WALL PENETRATIONS WITH FIBERGLASS PACKING AND SILICONE CAULK (FOR ACoustICAL INSULATION).
- B. COORDINATE FIRE-RATE REQUIREMENTS AND LOCATIONS WITH THE ARCHITECT. SEAL PENETRATIONS OF FIRE-RATED ASSEMBLIES WITH LISTED FIRE BARRIER CAULK (PROVIDE THICKNESS AND METHOD AS REQUIRED AND RECOMMENDED BY MANUFACTURER) TO MAINTAIN THE FIRE RESISTANCE RATING OF FIRE-RATED ASSEMBLIES.

C. PROVIDE SLE

- DO NOT USE THE 1/2" NOMINAL PIPE SIZES DESIGNATED ON THE PIPE SCHEDULE.
- D. PROVIDE SLEEVES FOR VERTICAL PIPE PASSING THROUGH SLAB ON GRADE. SLEEVES SHALL BE SCHEDULE 40 PVC PIPE, TWO NOMINAL PIPE SIZES LARGER THAN THE PIPE SERVED. SEAL WATER-TIGHT WITH SILICONE CAULK.
- 1.16 EXCAVATION, TRENCHING AND BACKFILLING:
- A. PROVIDE ALL EXCAVATION, TRENCHING AND BACKFILLING IN CONNECTION WITH THE MECHANICAL SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF DIVISION 2 OF THESE SPECIFICATIONS.
- 1.17 ELECTRICAL:
- A. FURNISH AND INSTALL ALL ELECTRICAL INTERLOCK AND CONTROL WIRING FOR PROPER OPERATION AND CONTROL OF ALL PLUMBING EQUIPMENT.
- B. SUPERVISE AND COORDINATE ALL ELECTRICAL WORK IN CONNECTION WITH PLUMBING SYSTEMS.
- C. FURNISH ALL CONTROLLERS OR CONTACTORS FOR PROPER OPERATION OF ALL MOTORS.

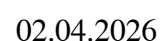
PART 2: PRODUCTS

2.1 PIPING

- A. DOMESTIC WATER PIPING:
1. ABOVE AND BELOW GRADE COLD WATER AND HOT WATER PIPING SHALL BE THE FOLLOWING:
 - a. BELOW GRADE: TYPE "K" HARD DRAWN SEAMLESS COPPER TUBING CONFORMING TO ASTM B88. FITTINGS SHALL BE CAST COPPER ALLOY, HEXAGONAL STOCK BODY, WITH BALL-AND-SOCKET, METAL-TO-METAL SEATING SURFACE CONFORMING TO ASTM B16.18 JOINING MATERIAL. JOINING MATERIAL SHALL BE ASTM B813 WATER-FLUSHABLE, LEAD-FREE FLUX WITH ASTM B32 S965 ALLOY LEAD-FREE SOLDER.
 - b. ABOVE GRADE: TYPE "L" HARD DRAWN SEAMLESS COPPER TUBING CONFORMING TO ASTM B88. FITTINGS SHALL BE CAST COPPER ALLOY, HEXAGONAL STOCK BODY, WITH BALL-AND-SOCKET, METAL-TO-METAL SEATING SURFACE CONFORMING TO ASTM B16.18 JOINING MATERIAL. JOINING MATERIAL SHALL BE ASTM B813 WATER-FLUSHABLE, LEAD-FREE FLUX WITH ASTM B32 S965 ALLOY LEAD-FREE SOLDER.
 - c. AT CONTRACTOR'S OPTION, COLD WATER AND HOT WATER PIPING SHALL BE PRESS JOINT PIPING MANUFACTURED RED BY VIEGA "PRO-PRESS" OR APPROVED EQUAL. FITTINGS SHALL BE PROVIDED BY SAME MANUFACTURER AS PIPING.
 2. AT CONTRACTOR'S OPTION, ABOVE AND BELOW GRADE COLD WATER AND HOT WATER PIPING SHALL BE PEX TUBING CONFORMING TO ASTM F877 CROSS-LINKED POLYETHYLENE TUBING, ASTM F878 CROSS-LINKED POLYETHYLENE TUBE, AND COMPLY WITH NSF STANDARD 14 AND 61. PEX TUBING SHALL



310 W. DICKSON ST., SUITE 210
FAYETTEVILLE, AR 72701
479.877.3188 | WWW.PRIGM.COM



General Contractor:

NABHOLZ
Construction Services

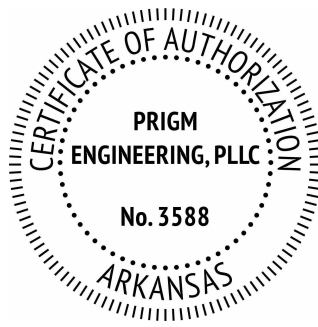
3301 N 2nd Street
Rogers, Arkansas 72757
479. 659. 7800

Press Addition



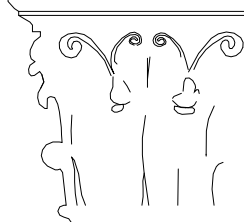
Drawing Name: **PLUMBING SPECIFICATIONS**
Date: **02.04.2026**
Revisions:

P5.0



310 W. DICKSON ST., SUITE 210
FAYETTEVILLE, AR 72701
479.877.3188 | WWW.PRIGM.COM

Dan Townsley
ARCHITECT



921 S Oak Hill Ste. 1
Rogers, AR 72758
479.631.5811 T PH
dan@dt-architect.com



02.04.2026

General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



1755 S Armstrong Ave
Fayetteville, Arkansas

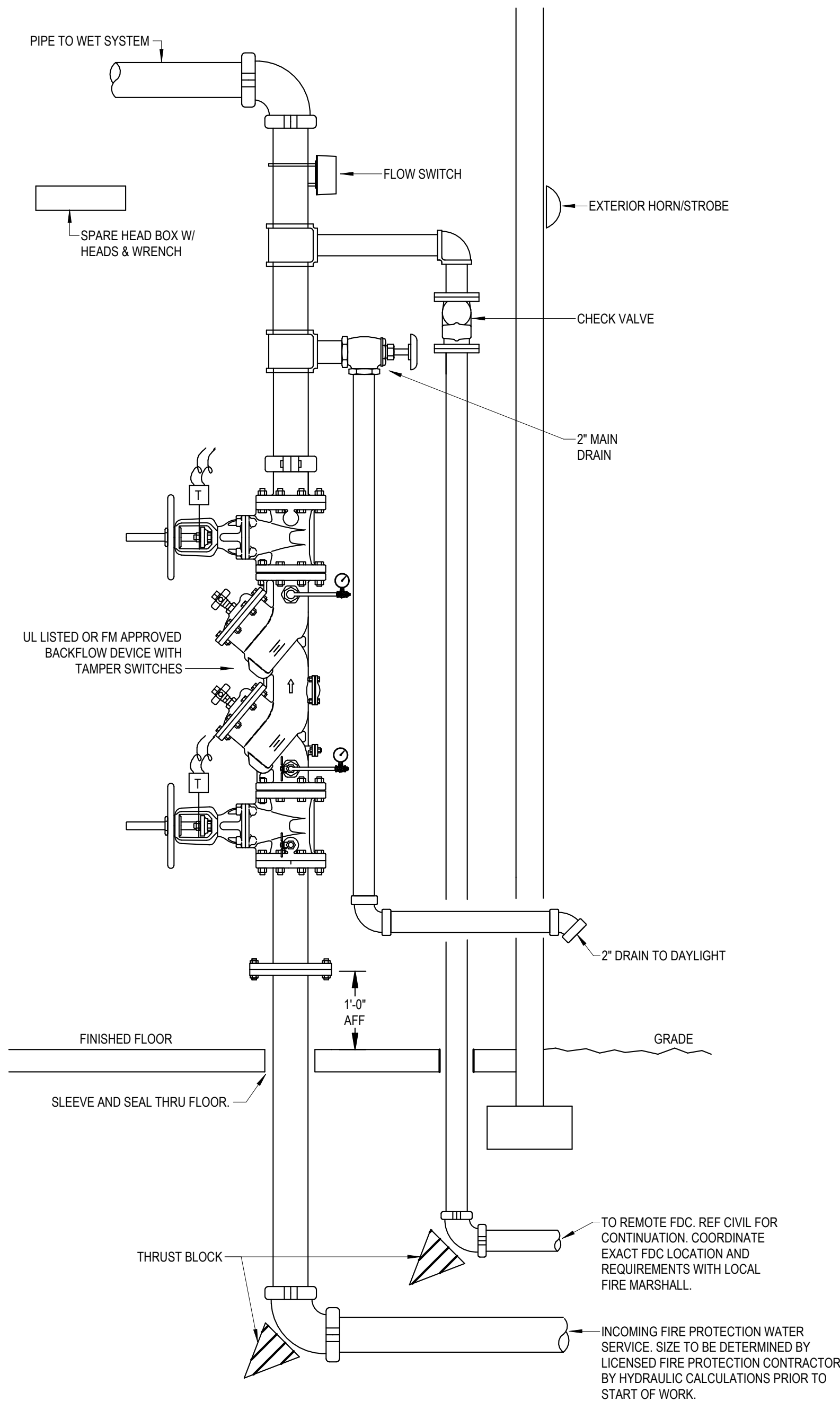
Sheet Contents:

Drawing Name: FIRE PROTECTION NOTES
Date: 02.04.2026
Revisions:

Sheet Number:

FP1.0

Copyright ©2026 NABHOLZ Construction



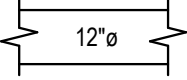
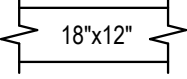
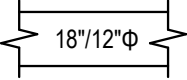
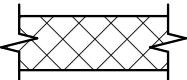
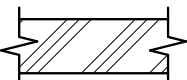
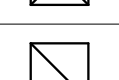
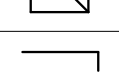
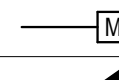
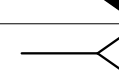
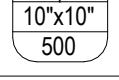
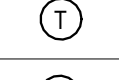
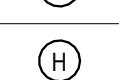
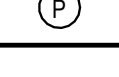
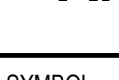
PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST AS REQUIRED TO SUIT ACTUAL INSTALLATION CONDITIONS.
WHERE MULTIPLE ZONES ARE REQUIRED, PROVIDE HORIZONTAL BACKFLOW DEVICE AND MANIFOLD PIPING.
PROVIDE NUMBER OF RISERS AS REQUIRED, EACH WITH OS&Y VALVE AND ALARM CHECK VALVE.

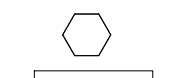
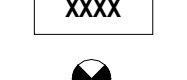
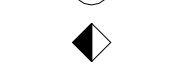
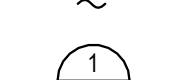
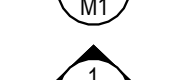
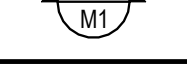
1 FIRE RISER DETAIL

SCALE: NTS

FIRE PROTECTION GENERAL NOTES - NEW DESIGN

- THE FIRE PROTECTION OF THIS BUILDING SHALL BE IN ACCORDANCE WITH STATE AND LOCAL CODES AND SHALL CONFORM TO NFPA 13 GENERAL REQUIREMENTS AND IN FULL COMPLIANCE WITH LOCAL FIRE MARSHAL NOTES, DETAILS, AND SPECIFICATIONS CONTAINED IN THE PROJECT DOCUMENTS SHOW BASIC DESIGN INTENT ONLY. THE FIRE PROTECTION CONTRACTOR/ENGINEER IS RESPONSIBLE TO DESIGN, FABRICATE, AND INSTALL A COMPLETE, FULLY OPERATIONAL, CODE COMPLIANT SYSTEM IN AN ACCEPTABLE MANNER TO THE STATE HEALTH DEPARTMENT, LOCAL FIRE MARSHAL AND THE ARCHITECT/ENGINEER.
- THE AUTOMATIC SPRINKLER SYSTEM SHALL BE DESIGNED, FABRICATED, INSTALLED, AND TESTED BY AN EXPERIENCED CONTRACTOR APPROVED BY THE ARCHITECT AND LICENSED BY THE STATE TO PERFORM SUCH WORK.
- THE FIRE PROTECTION CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES, FEES, DEPOSITS, AND CHARGES IN CONNECTION WITH THE WORK, EXCEPT AS NOTED HEREIN. CONTRACTOR SHALL SECURE ALL NECESSARY APPROVALS.
- THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEFICIENCIES OR DEVIATIONS FROM THE REQUIREMENTS IN NFPA 13 AND/OR THE APPROVED PLANS.
- THE CONTRACTOR SHALL PRODUCE SHOP DRAWINGS OF A NFPA 13 SYSTEM SHOWING COORDINATION WITH ALL STRUCTURAL AND HVAC COMPONENTS. SUBMIT SHOP DRAWINGS TO THE ARCHITECT AND THE OWNER'S INSURANCE COMPANY FOR APPROVAL. BEFORE BEING SENT TO THE ARCHITECT, ALL SHOP DRAWINGS MUST BEAR THE INSURANCE SERVICE OFFICES (ISO) STAMP OF ACCEPTANCE AND THE LOCAL FIRE MARSHAL'S STAMP OF APPROVAL.
- SUBMIT COMPLETE DETAILS AND SECTIONS TO CLEARLY DEFINE AND CLARIFY THE DESIGN, INCLUDING A LIST OF MATERIALS DESCRIBING ALL PROPOSED MATERIALS WITH MANUFACTURER'S NAME AND CATALOG NUMBER.
- THE CONTRACTOR SHALL PRODUCE HIS OWN HYDRAULICALLY DESIGNED SYSTEM FOR REVIEW AND APPROVAL BY THE LOCAL FIRE MARSHAL'S OFFICE AND ARCHITECT FOR USE ON THIS PROJECT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CURRENT FIRE FLOW TEST.
- FIRE PROTECTION ENGINEER/CONTRACTOR SHALL PERFORM ALL CALCULATIONS NECESSARY TO DETERMINE FIRE LINE SIZE AND IF A BOOSTER PUMP WILL BE REQUIRED.
- (ALTERNATE BID) FIRE CONTRACTOR SHALL PROVIDE A FIRE BOOSTER PUMP IF REQUIRED. EXACT SIZE SHALL BE HYDRAULICALLY CALCULATED AND DETERMINED BY A LICENSED FIRE PROTECTION ENGINEER/CONTRACTOR. FIRE CONTRACTOR TO PROVIDE ALL COMPONENTS NECESSARY AND/OR RECOMMENDED TO PROVIDE A COMPLETE CODE COMPLIANT SYSTEM. (A FIRE BOOSTER PUMP IS NOT EXPECTED TO BE REQUIRED FOR THIS PROJECT. IF A FIRE BOOSTER PUMP WILL BE REQUIRED, THE FIRE PROTECTION ENGINEER/CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ARCHITECT) COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
- IN AREAS SUBJECT TO FREEZING, PROVIDE DRY SPRINKLER SYSTEM OR COORDINATE WITH MECHANICAL SUBCONTRACTOR TO PROVIDE HEATING EQUIPMENT TO MAINTAIN SPACES AT 40°F OR ABOVE.
- ALL FIRE PROTECTION CONTROL VALVES SHALL HAVE ELECTRONIC SUPERVISION AND SHALL INTERFACE WITH THE BUILDING FIRE ALARM SYSTEM.
- FLOW AND TAMPER SWITCHES SHALL BE PROVIDED BY FIRE ALARM CONTRACTOR AND INSTALLED BY SPRINKLER CONTRACTOR. WIRING SHALL BE PROVIDED BY FIRE ALARM CONTRACTOR.
- UNDERWRITERS LABORATORIES (UL) AND/OR FACTORY MUTUAL RESEARCH CORPORATION (FMRC) APPROVED EQUIPMENT SHOULD BE UTILIZED WHERE APPLICABLE, AND THE DETAILS OF THE INSTALLATION SHOULD CONFORM TO FACTORY MUTUAL ENGINEERING ASSOCIATION (FMEA) GOOD PRACTICES.
- A CORROSIVE-RESISTANT PLACARD SHALL BE PLACED ON THE BASE OF THE RISER STATING THE DESIGN CRITERIA AND RESULTING DEMAND, INCLUDING HOSE STREAM ALLOWANCES. ALL PIPING, FITTINGS, HANGERS, VALVES, AND DEVICES ARE TO COMPLY WITH NFPA 13.
- ALL PIPES SHALL MEET OR EXCEED CORROSION RESISTANCE RATIO OF SCHEDULE 40 STEEL PIPE. FIELD COORDINATION IS REQUIRED ESPECIALLY WHEN CUTTING OR ADJUSTING PIPES FOR SPRINKLER INSTALLATION. ALL UNDERGROUND PIPING IS TO BE CHLORINATED PER THE REQUIREMENTS OF THE DEPARTMENT OF HEALTH. EXPOSED SPRINKLER PIPING SHALL BE PAINTED, COLOR SHALL BE SPECIFIED BY ARCHITECT.
- RUN ALL PIPING PARALLEL OR PERPENDICULAR TO STRUCTURE IN ALL AREAS. SPRINKLER CONTRACTOR SHALL COORDINATE LOCATION OF HORIZONTAL SPRINKLER PIPING WITH OTHER TRADES TO MISS ALL LIGHT FIXTURES, DUCTS, MECHANICAL EQUIPMENT, AIR DIFFUSERS AND ALL OTHER ITEMS WHERE CEILING CLEARANCES ARE CLOSE.
- PROVIDE SPRINKLER HEAD(S) FOR EACH ROOM/SPACE FOR COMPLETE PROTECTION IN COMPLIANCE WITH NFPA 13. CONTRACTOR SHALL COORDINATE COLOR OF SPRINKLER HEADS WITH OWNER/ARCHITECT.
- PROVIDE COMPONENTS FOR FULL FLOW TESTING OF BACKFLOW DEVICE.
- UPON COMPLETION OF THE SPRINKLER SYSTEM INSTALLATION, TEST AND RE-TEST THE COMPLETE INSTALLATION. MAKE ALL CORRECTIONS AS NECESSARY TO SECURE ACCEPTANCE BY FIRE MARSHAL. FURNISH ALL TEST EQUIPMENT AND PERSONNEL REQUIRED.
- AFTER THE FIRE SPRINKLER SYSTEM HAS BEEN COMPLETELY TESTED, INSPECTED AND APPROVED, SECURE A LETTER OF FINAL ACCEPTANCE FROM THE ADMINISTRATIVE AUTHORITY ADDRESSED TO THE SPRINKLER COMPANY RESPONSIBLE FOR THE INSTALLATION, PREPARED IN TRIPLICATE. DELIVER ALL THREE COPIES TO THE ARCHITECT.

DUCTWORK SYMBOLS (AS APPLICABLE)	
SYMBOL	DESCRIPTION
	12"ø DIAMETER ROUND DUCT (INSIDE CLEAR DIMENSIONS)
	RECTANGULAR DUCT 18" WIDE BY 12" DEEP (INSIDE CLEAR DIMENSIONS)
	FLAT OVAL DUCT 18" WIDE BY 12" DEEP (INSIDE CLEAR DIMENSIONS)
	MEDIUM / HIGH PRESSURE DUCTWORK (REFER TO SPECIFICATIONS)
	SPIRAL DUCTWORK (REFER TO SPECIFICATIONS)
	SUPPLY DUCT IN SECTION
	RETURN DUCT IN SECTION
	EXHAUST DUCT IN SECTION
	ELBOW WITH TURNING VANES (GREATER THAN 45° ANGLE ONLY)
	SUPPLY AIR DIFFUSER
	RETURN AIR GRILLE
	EXHAUST AIR GRILLE
	VOLUME/BALANCE DAMPER
	MOTORIZED DAMPER
	FIRE DAMPER (FD)
	SMOKE DAMPER (SD)
	COMBINATION FIRE/SMOKE DAMPER (FSD)
	DEVICE MARK / THROW PATTERN (IF SHOWN) NECK SIZE OR LENGTH OF LINEAR DIFFUSER CFM
	THERMOSTAT
	TEMPERATURE SENSOR
	CO2 SENSOR
	HUMIDISTAT
	SMOKE DETECTOR
	STATIC PRESSURE SENSOR
	PULL STATION

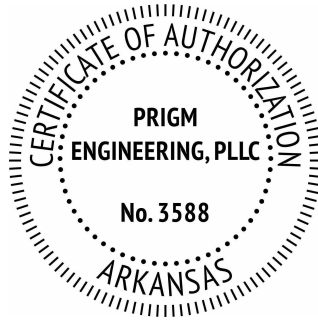
ANNOTATION SYMBOLS (AS APPLICABLE)	
SYMBOL	DESCRIPTION
	PLAN NOTE (PER SHEET)
	KITCHEN EQUIPMENT REFERENCE NUMBER
	POINT OF CONNECTION TO EXISTING
	TERMINATION OF DEMOLITION
	CONTINUATION
	DETAIL NUMBER SHEET NUMBER
	SECTION CUT DESIGNATION

REMODEL NOTES (AS APPLICABLE)	
1.	PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE PROJECT. REVIEW GENERAL NOTES, SPECIFICATIONS AND OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER OR TENANT, AS DEFINED IN BID DOCUMENTS, OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
2.	EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND SITE VISITS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. COORDINATE NEW WORK AND DEMOLITION WITH OTHER DISCIPLINES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
3.	DURING INSTALLATION OF NEW WORK, AVOID DAMAGING EXISTING SURFACES AND EQUIPMENT TO REMAIN. REPAIR DAMAGE CAUSED DURING CONSTRUCTION AT NO EXTRA COST TO THE OWNER.
4.	BUILDING OWNER RETAINS RIGHTS OF SALVAGE FOR EQUIPMENT AND FIXTURES TO BE REMOVED. COORDINATE WITH OWNER THE EQUIPMENT AND FIXTURES TO BE SALVAGED AND THE LOCATION FOR STORAGE. AVOID DAMAGE TO SALVAGED EQUIPMENT, FIXTURES, AND DEVICES DURING DEMOLITION WORK AND DURING TRANSPORT TO OWNER'S DESIGNATED STORAGE LOCATION.
5.	REMOVE HANGERS AND SUPPORTS WHERE DUCTWORK, PIPING AND/OR EQUIPMENT ARE REMOVED AND THE EXISTING HANGERS AND SUPPORTS ARE NOT USED FOR THE NEW INSTALLATION.
6.	INSTALL PERMANENT CAPS WHERE DUCTWORK AND PIPING IS REMOVED AND THE EXISTING TAPS ARE NOT USED FOR THE NEW INSTALLATION. WHERE DUCTWORK AND PIPING ARE REMOVED AND THE EXISTING TAPS WILL BE USED FOR THE NEW INSTALLATION, INSTALL TEMPORARY CAPS TO PROTECT THE INTERIOR SURFACES UNTIL NEW DUCTWORK AND PIPING ARE INSTALLED.
7.	INSPECT EXISTING EQUIPMENT TO REMAIN TO VERIFY THAT EQUIPMENT IS OPERATING PROPERLY. NOTIFY TENANT OF DAMAGED AND/OR MALFUNCTIONING COMPONENTS.

APPLICABLE CODES	
2021 ARKANSAS FIRE PREVENTION CODE, VOLUME I - FIRE	
2021 ARKANSAS FIRE PREVENTION CODE, VOLUME II - BUILDING	
2021 ARKANSAS MECHANICAL CODE (AMC)	
2020 NFPA 70 - NATIONAL ELECTRICAL CODE (NEC)	
2018 ARKANSAS PLUMBING CODE (APC)	
2018 ARKANSAS FUEL GAS CODE (AFGC)	
2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)	

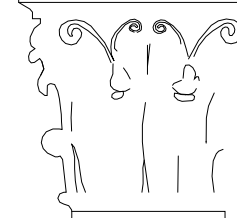
DESIGN CONDITIONS	
WEATHER STATION /2021 ASHRAE HANDBOOK:	
DRAKE FIELD, AR, USA (WMO: 723445) ELEVATION: 1251 FT.	
OUTDOOR DESIGN CONDITIONS:	
COOLING (0.4%):	95.2°F DB / 74.4°F WB
DEHUMIDIFICATION (0.4%):	75.3°F DP / 63.3°F DB
ENTHALPY (0.4%):	42.7 BTU/LB / 88.5°F DB
HEATING (99.6%):	10.4°F DB
HUMIDIFICATION (99.6%):	1.0°F DP / 14.3°F DB
INDOOR DESIGN CONDITIONS: (UNLESS SPECIFIED BY ROOM ELSEWHERE)	
SUMMER:	72°F DB / 50% RH
WINTER:	70°F DB

MECHANICAL GENERAL NOTES (AS APPLICABLE)	
1.	NOTES APPLY TO ALL MECHANICAL SHEETS.
2.	EACH CONTRACTOR IS RESPONSIBLE FOR HAVING THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS AS THEY RELATE TO THIS WORK. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED DUE TO LACK OF THIS KNOWLEDGE.
3.	PROVIDE ALL MATERIALS FOR A COMPLETE INSTALLATION IN ALL RESPECTS READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS. PLANS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE MINIMUM REQUIREMENTS.
4.	ALL MECHANICAL EQUIPMENT SHOWN ON THE MECHANICAL PLANS SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE. UNLESS NOTED OTHERWISE, THE INDICATION AND/OR DESCRIPTION OF ANY ITEM, IN THE DRAWINGS OR SPECIFICATIONS CARRIES WITH IT THE INSTRUCTION TO FURNISH AND INSTALL THE ITEM. ALL EQUIPMENT AND MATERIALS PROVIDED BY THE CONTRACTOR WILL BE NEW; THERE WILL BE NO ALLOWANCE FOR REUSED MATERIAL UNLESS EXPLICITLY INDICATED OTHERWISE BY THE ENGINEER OR OWNER.
5.	OBTAIN AND PAY FOR ALL PERMITS REQUIRED BY THIS WORK. PROVIDE TO THE ARCHITECT OR OWNER'S CONSTRUCTION MANAGER A COPY OF INSPECTION REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS.
6.	DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OR GEOMETRICAL RELATIONSHIPS OF EQUIPMENT AND SERVICES. THEY ARE NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, SEQUENCE, DEVICE, OPTION, FITTING, OR COMPONENT. DO NOT SCALE FLOOR PLANS FOR EXACT LOCATION OF DUCT OR PIPE ROUTING. NOTIFY THE ARCHITECT OR OWNER'S CONSTRUCTION MANAGER OF ANY CONFLICTS OR DISCREPANCIES.
7.	INFORMATION AND COMPONENTS SHOWN ON DIAGRAMS OR DETAILS, BUT NOT SHOWN ON PLANS, AND VICE VERSA, SHALL BE PROVIDED AS IF EXPRESSLY REQUIRED BY BOTH.
8.	PROVIDE A CONSTRUCTION RECORD SET OF "AS-BUILT" DOCUMENTS TO THE ARCHITECT OR OWNER'S CONSTRUCTION MANAGER REFLECTING ANY VARIANCES OF INSTALLED EQUIPMENT, DUCT, OR PIPING LOCATIONS CONTRARY TO THE CONSTRUCTION DOCUMENTS.
9.	COORDINATE THE INSTALLATION OF THE MECHANICAL SYSTEMS WITH OTHER TRADES TO ENSURE A NEAT AND ORDERLY INSTALLATION. INSTALL DUCTWORK AND PIPING AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS. COORDINATE INSTALLATION OF DUCTWORK AND PIPING TO AVOID CONFLICTS WITH ELECTRICAL PANELS, LIGHTING FIXTURES, ETC. ANY MODIFICATIONS REQUIRED DUE TO LACK OF COORDINATION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO EXTRA COST TO THE OWNER.
10.	THESE DRAWINGS REFLECT SYSTEMS DESIGNED AROUND SPECIFIC REFERENCE PRODUCTS (BASIS OF DESIGN), THE SELECTION OF WHICH INFLUENCED THE DESIGNS OF OTHER TRADES. IF SUBSTITUTE MANUFACTURERS, SIZES, MODELS, ETC. ARE SUBMITTED, IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE ALL DIFFERENCES WITH OTHER TRADES. ALL COSTS OF ALL TRADES ASSOCIATED WITH THE SUBSTITUTION SHALL BE INCLUDED.
11.	MECHANICAL CONTRACTOR (MC) SHALL COORDINATE AND VERIFY THE FOLLOWING WITH THE ELECTRICAL CONTRACTOR (EC) PRIOR TO BID: A. DISCONNECTS: • WHERE NOT FURNISHED WITH EQUIPMENT: FURNISHED BY EC, INSTALLED BY EC. • WHERE FURNISHED WITH EQUIPMENT: FURNISHED BY MC, INSTALLED BY EC.
12.	NEW MECHANICAL EQUIPMENT, DUCTWORK AND PIPING ARE SHOWN AT APPROXIMATE LOCATIONS. FIELD MEASURE FINAL DUCTWORK AND PIPING LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED TO FIT THE DUCTWORK AND PIPING WITHIN THE AVAILABLE SPACE. VERIFY THAT FINAL EQUIPMENT LOCATIONS MEET MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AND PROPER AIRFLOW CLEARANCE AROUND EQUIPMENT.
13.	COORDINATE DUCTWORK AND PIPE ROUTING AWAY FROM ELECTRICAL PANELS. DO NOT INSTALL DUCTWORK OR PIPING OVER ELECTRICAL PANELS.
14.	DUCTWORK IDENTIFICATION AND INSTALLATION SHALL ADHERE TO GOVERNING CODES.
15.	INSTALL DUCTWORK AND PIPING PARALLEL TO BUILDING COLUMN LINES UNLESS OTHERWISE SHOWN OR NOTED. ALL DUCTS SHALL BE MOUNTED HIGH AS POSSIBLE AGAINST BOTTOM OF STRUCTURE EXCEPT AS REQUIRED TO AVOID CONFLICTS WITH INTERSECTING DUCTS. DIAGONALLY OFFSET DUCTS IMMEDIATELY BEFORE AND AFTER PASSING UNDER INTERSECTING DUCTS OR LARGE STRUCTURAL MEMBERS TO MAINTAIN DUCT TIGHT TO STRUCTURE.
16.	NO OTHER TRADES, I.E., ELECTRICAL, CEILING, PLUMBING, ETC., SHALL BE SUSPENDED, HUNG, OR SUPPORTED FROM DUCTWORK OR PIPING.
17.	COORDINATE LOCATION OF EQUIPMENT SUPPORTS WITH LOCATION OF EQUIPMENT ACCESS PANELS/DOORS TO ENABLE SERVICE OF EQUIPMENT.
18.	COORDINATE THE EXACT MOUNTING SIZE AND FRAME TYPE OF DIFFUSERS, REGISTERS AND GRILLES WITH THE SUPPLIER TO MEET THE CEILING, WALL AND DUCT INSTALLATION REQUIREMENTS.
19.	SPRINKLER HEAD AND LIGHTING FIXTURE LOCATIONS TAKE PRECEDENCE OVER DIFFUSER LOCATIONS. ADJUST LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES AS REQUIRED TO ACCOMMODATE FINAL CEILING GRID AND LIGHTING LOCATIONS.
20.	ALL CEILING DIFFUSERS ARE 4-WAY PATTERN UNLESS NOTED OTHERWISE.
21.	LOCATE AND SET THERMOSTATS AT LOCATIONS SHOWN ON PLANS. VERIFY EXACT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION. INSTALL WIRING IN CONDUIT PROVIDED BY ELECTRICAL CONTRACTOR. ANY THERMOSTAT THAT IS REQUIRED TO BE MOUNTED ON AN EXTERIOR WALL SHALL BE MOUNTED ON AN INSULATED PAD.
22.	PROVIDE A MANUAL BALANCING DAMPER IN EACH BRANCH DUCT TAKEOFF FROM MAIN SUPPLY, RETURN, OUTDOOR AND EXHAUST AIR DUCTS. LOCATE DAMPERS A MINIMUM 4'-0" AWAY FROM DIFFUSERS. PROVIDE REMOTE BALANCING DAMPER (POTTORFF MODEL RD-10 OR EQUAL) OR CABLE OPERATED DAMPER (POTTORFF MODEL RCS OR EQUAL) WHERE INSTALLED IN AN INACCESSIBLE LOCATION.
23.	PROVIDE A PREFABRICATED 45 DEGREE, HIGH EFFICIENCY, RECTANGULAR/ROUND BRANCH DUCT TAKEOFF FITTING WITH MANUAL BALANCING DAMPER AND LOCKING QUADRANT FOR BRANCH DUCT CONNECTIONS AND TAKE-OFFS TO INDIVIDUAL DIFFUSERS, REGISTERS AND GRILLES. TYPICAL BRANCH DUCT FITTING DETAIL IS APPLICABLE THROUGHOUT.
24.	BRANCH DUCTWORK TO AIR OUTLETS SHALL BE SAME SIZE AS OUTLET NECK SIZE UNLESS NOTED OTHERWISE.
25.	DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS AND ARE REPRESENTATIVE OF THE INSIDE EQUIVALENT FREE AREA REQUIRED TO MAINTAIN THE AIR FLOW SPECIFIED. IF DUCT SIZES NEED TO BE ALTERED FOR SPACE REQUIREMENTS, ENSURE THE ORIGINAL INSIDE DUCT EQUIVALENT FREE AREA IS MAINTAINED.
26.	CONTRACTOR'S OPTION TO SUBSTITUTE ROUND DUCT OF EQUAL FREE AREA FOR RECTANGULAR DUCT AND VICE VERSA. DIMENSIONS OF RECTANGULAR DUCT MAY BE ADJUSTED AS NECESSARY TO INSTALL DUCT IN AVAILABLE SPACE AS LONG AS FREE AREA IS MAINTAINED.
27.	RIGID DUCTWORK INSULATION: PROVIDE 3/4 LB DENSITY, 2" R-6 THICK, INSULATION WRAP ON RIGID ROUND AND RECTANGULAR, CONCEALED SUPPLY, RETURN , AND OUTSIDE AIR DUCTS.
28.	PROVIDE THERMAFLEX TYPE G-KM, M-KE, FLEXMASTER TYPE 8, OR APPROVED EQUAL FLEXIBLE DUCTWORK. FLEXIBLE DUCTWORK SHALL BE LISTED UNDER UL 181 AS CLASS 1 AIR DUCT AND BE PROVIDED WITH INTEGRAL R-6, 3/4 LB DENSITY FIBERGLASS INSULATION. FLEXIBLE DUCTWORK SHALL NOT EXCEED 3'-0" IN LENGTH AND SHALL BE INSTALLED AND SUPPORTED TO AVOID SHARP BENDS AND SAGGING.
29.	FOR ALL EXPOSED METAL DUCTWORK, PROVIDE DUCT THAT IS SUITABLE FOR PAINTING. ENSURE THAT ALL EXPOSED DUCTWORK IS PROPERLY PREPARED AND READY FOR PAINTING. COORDINATE COLOR WITH ARCHITECT.
30.	PROVIDE A NEW SET OF AIR FILTERS IN UNITS PRIOR TO TESTING, ADJUSTING AND BALANCING AND BEFORE TURNING SYSTEM(S) OVER TO OWNER.
31.	PROVIDE A COMPLETE TEST AND BALANCE FOR HVAC SYSTEM. AIR BALANCE SHALL BE WITHIN 5% OF SCHEDULED AIRFLOWS.
32.	INSTALL VTR'S AND EXHAUST FANS A MINIMUM OF 10 FT FROM OUTSIDE AIR INTAKE.
33.	THE DESIGN OF ANY AND ALL STRUCTURAL SYSTEMS (INCLUDING MODIFICATIONS TO EXISTING STRUCTURES) THAT MAY BE REQUIRED FOR SUPPORT OF NEW MECHANICAL EQUIPMENT SHALL BE THE RESPONSIBILITY OF SEPARATE LICENSED STRUCTURAL ENGINEER.



310 W. DICKSON ST., SUITE 210
FAYETTEVILLE, AR 72701
479.877.3188 | WWW.PRIGM.COM

Dan Townsley
ARCHITECT



921 S Oak Hill Ste. 1
Rogers, AR 72758
479.631.5811 T PH
dan@dt-architect.com



02.04.2026

General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



PACKAGING
SPECIALTIES, INC.
Celebrating 50 years
Est. 1974

1755 S Armstrong Ave
Fayetteville, Arkansas

Sheet Contents:

Drawing Name: MECHANICAL NOTES AND LEGENDS
Date: 02.04.2026
Revisions:

Sheet Number:

MO.0

PACKAGED DX UNIT SCHEDULE																									
MARK	QTY	BASIS OF DESIGN		DESCRIPTION	MOUNT / CONFIG.	NOMINAL TONS	AIRFLOW				COOLING					HEATING					REFRIG. TYPE	COMPRESSOR	FILTER	ELECTRICAL	WEIGHT (LB.)
		MFR	MODEL				TYPE	CFM (MIN./MAX.)	FAN		TYPE	STAGES	TC (MBH)	SC (MBH)	EFF.	TYPE	STAGES	INPUT (MBH)	OUTPUT (MBH)	EFF.					
									ESP (IN. WG.)	MOTOR (HP)															
GPU-1	1	DAIKIN APPLIED	DPSA052	SINGLE ZONE PACKAGED UNIT, DX COOLING, MODULATING HOT GAS REHEAT, NATURAL GAS HEATING, COMPARATIVE ENTHALPY ECONOMIZER,	GROUND MOUNT / HORIZONTAL DISCHARGE	52.0	SUPPLY OUTSIDE AIR RELIEF	4,000 / 8,000 560 / 8,000 ---	0.75 --- ---	2 @ 7.9 --- (BAROMETRIC)	DX COIL	MOD	641.0	291.3	9.8 EER 16.3 IEER	NAT. GAS HOT GAS REHEAT	MOD. 10% - 100% MODULATING	1,125.0 -- ---	931.0 124.1	82%	R-32	(4) TOTAL (2) VARIABLE SPEED (2) FIXED	MERV 8 & MERV 13	460/360 119.1 MCA 125 MOCF 65k SCCR	10,394
GPU-2	1	DAIKIN APPLIED	DPSA052	SINGLE ZONE PACKAGED UNIT, DX COOLING, MODULATING HOT GAS REHEAT, NATURAL GAS HEATING, COMPARATIVE ENTHALPY ECONOMIZER,	GROUND MOUNT / HORIZONTAL DISCHARGE	52.0	SUPPLY OUTSIDE AIR RELIEF	4,000 / 8,000 560 / 8,000 ---	0.75 --- ---	2 @ 7.9 --- (BAROMETRIC)	DX COIL	MOD.	641.0	291.3	9.8 EER 16.3 IEER	NAT. GAS HOT GAS REHEAT	MOD. 10% - 100% MODULATING	1,125.0 -- ---	931.0 124.1	82%	R-32	(4) TOTAL (2)VARIABLE SPEED (2) FIXED	MERV 8 & MERV 13	460/360 119.1 MCA 125 MOCF 65k SCCR	10,394
GPU-3	1	DAIKIN APPLIED	DPSA052	SINGLE ZONE PACKAGED UNIT, DX COOLING, MODULATING HOT GAS REHEAT, NATURAL GAS HEATING, COMPARATIVE ENTHALPY ECONOMIZER,	GROUND MOUNT / HORIZONTAL DISCHARGE	52.0	SUPPLY OUTSIDE AIR RELIEF	4,000 / 8,000 560 / 8,000 ---	0.75 --- ---	2 @ 7.9 --- (BAROMETRIC)	DX COIL	MOD.	641.0	291.3	9.8 EER 16.3 IEER	NAT. GAS HOT GAS REHEAT	MOD. 10% - 100% MODULATING	1,125.0 -- ---	931.0 124.1	82%	R-32	(4) TOTAL (2) VARIABLE SPEED (2) FIXED	MERV 8 & MERV 13	460/360 119.1 MCA 125 MOCF 65k SCCR	10,394

GENERAL NOTES:

- UL OR ETL APPROVED. ENTIRE UNIT SHALL BE AHRI LISTED AND CERTIFIED.
- PROVIDE ALL MATERIALS AND/OR ACCESSORIES AS REQUIRED FOR MOUNTING (FLOOR STANDS). PROVIDE APPROPRIATE VIBRATION ISOLATION FOR APPLICATION.
- SCHEDULED OUTSIDE AIR QUANTITIES ARE FOR OCCUPIED MODE AND DO NOT INCLUDE ECONOMIZER OR UNOCCUPIED MODES.
- STATIC PRESSURE SHOWN IS EXTERNAL TO UNIT. MANUFACTURER SHALL ADD ACCESSORY LOSSES TO THIS VALUE BEFORE SELECTING FAN.
- CONDENSATE TRAP SHALL BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. ROUTE TO NEAREST APPROVED RECEPTOR PER PLANS OR AS OTHERWISE REQUIRED BY THE AHJ. REFER TO TRAP DETAIL.
- FUSED DISCONNECT TO BE PROVIDED BY ELECTRICAL CONTRACTOR.
- REFER TO SEQUENCE OF OPERATION.

GENERAL NOTES CONTINUED:

- PROVIDE WITH:
 - DOUBLE WALL CONSTRUCTION WITH R-13 FOAM INJECTED INSULATION.
 - FULLY MODULATING, COMPARATIVE ENTHALPY CONTROLLED ECONOMIZER.
 - CONDENSATE OVERFLOW SWITCH TO SHUT DOWN SYSTEM IN THE EVENT OF PRIMARY DRAIN PAN OVERFLOW.
 - FACTORY WIRED VFDS.
 - STAINLESS STEEL CONDENSATE DRAIN PANS.
 - LOUVERED HAIL GUARDS FOR CONDENSER COILS.
 - HINGED ACCESS PANELS.
 - MOTOR SHAFT GROUNDING RINGS FOR USE WITH VFDS.
 - SUPPLY AND RETURN DUCT SMOKE DETECTORS. CONNECT TO THE FIRE ALARM SYSTEM.
 - PHASE LOSS AND BROWNOUT MONITOR.
 - UNIT MOUNTED FACTORY CONTROLLER.
 - BACNET INTERFACE TO CONNECT TO EXISTING BAS.
 - OUTDOOR AIRFLOW MONITORING STATION.
 - SUPPLY FAN AIRFLOW MEASURING STATION.
 - REFRIGERANT LEAK DETECTION.
 - BAROMETRIC RELIEF DAMPER.
 - FACTORY INSTALLED, FACTORY WIRED GFCI CONVENIENCE RECEPTACLE.
 - STAINLESS STEEL HEAT EXCHANGER.
 - CLOGGED FILTER SWITCH.
 - (2) VARIABLE SPEED COMPRESSOR, DIGITAL SCROLLS ARE NOT ALLOWED.
 - (2) FIXED SPEED COMPRESSORS
 - 6" STANDARD BASERAILS.
 - SPACE SENOR WITH SET POINT ADJUSTMENT FOR HUMIDITY AND CO2 CONTROL.
 - 7-DAY PROGRAMMABLE THERMOSTAT.
 - MODULATING HOT GAS REHEAT FOR DEHUMIDIFICATION MODE.
 - LOW AMBIENT CONTROL DOWN TO 25 DEG. F.
 - SINGLE ZONE VAV OPERATION. REFER TO CONTROL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

DUCTED INDOOR UNIT SCHEDULE																	
MARK	QTY	OUTDOOR UNIT	BASIS OF DESIGN		DESCRIPTION	NOMINAL TONS	TYPE	CFM	ESP (IN. WG.)	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	REFRIGERANT			FILTER	ELECTRICAL	WEIGHT (LB.)
			MFR	MODEL								CONNECTION					
												TYPE	SUCTION	LIQUID			
AC-1	1	HP-1	DAIKIN	FBA18AAVJU	SINGLE ZONE HIGH STATIC DUCTED	1.5	SUPPLY OUTSIDE AIR	555 60	0.8	18.0	20.0	R-32	5/8	3/8	WASHABLE	230/1/60 1.9 MCA 15 MOCF	82

GENERAL NOTES:

- UL OR ETL APPROVED. ENTIRE UNIT SHALL BE AHRI LISTED AND CERTIFIED.
- PROVIDE ALL MATERIALS AND/OR ACCESSORIES AS REQUIRED FOR MOUNTING (HANGING RODS, FLOOR STANDS, ETC.). PROVIDE APPROPRIATE VIBRATION ISOLATION FOR APPLICATION.
- SCHEDULED OUTSIDE AIR QUANTITIES ARE FOR OCCUPIED MODE AND DO NOT INCLUDE ECONOMIZER OR UNOCCUPIED MODES.
- STATIC PRESSURE SHOWN IS EXTERNAL TO UNIT. MANUFACTURER SHALL ADD ACCESSORY LOSSES TO THIS VALUE BEFORE SELECTING FAN.
- CONDENSATE TRAP SHALL BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. ROUTE TO NEAREST APPROVED RECEPTOR PER PLANS OR AS OTHERWISE REQUIRED BY THE AHJ. REFER TO TRAP DETAIL.
- PROVIDE WITH CONDENSATE OVERFLOW SWITCH TO SHUT DOWN SYSTEM IN THE EVENT OF PRIMARY DRAIN PAN OVERFLOW.
- PROVIDE AND INSTALL REFRIGERANT PIPING AND NECESSARY COMPONENTS SIZED PER MANUFACTURER'S INSTRUCTIONS. BASE SIZING ON ACTUAL PIPING INSTALLATION LENGTHS AND CONFIGURATION. EXTERIOR INSULATION ON OUTDOOR REFRIGERANT LINES SHALL BE COVERED WITH UV RESISTANT JACKETS. REFER TO SPECIFICATIONS.
- ELECTRICAL DISCONNECT PROVIDED BY ELECTRICAL CONTRACTOR.
- PROVIDE WITH 7-DAY PROGRAMMABLE THERMOSTAT.

HEAT PUMP OUTDOOR UNIT SCHEDULE															
MARK	QTY	BASIS OF DESIGN		DESCRIPTION	NOMINAL TONS	COOLING		HEATING		REFRIGERANT			COMPRESSOR	ELECTRICAL	WEIGHT (LB.)
		MFR	MODEL			CAPACITY (MBH)	EFF.	CAPACITY (MBH)	EFF.	TYPE	CONNECTION				
											SUCTION	LIQUID			
HP-1	1	DAIKIN	RZA18AAVJU	INVERTER HEAT PUMP	1.5	18.0	13.45 EER2 16.30 SEER2	20.0	8.50 HSPF2	R-32	5/8	3/8	INVERTER-DRIVE VARIABLE SPEED	230/1/60 19.8 MCA 20 MOCF	234

GENERAL NOTES:

- UL OR ETL APPROVED. ENTIRE UNIT SHALL BE AHRI LISTED AND CERTIFIED.
- PROVIDE ALL MATERIALS AND/OR ACCESSORIES AS REQUIRED FOR MOUNTING. REFER TO DETAIL.
- PROVIDE AND INSTALL REFRIGERANT PIPING AND NECESSARY COMPONENTS SIZED PER MANUFACTURER'S INSTRUCTIONS. BASE SIZING ON ACTUAL PIPING INSTALLATION LENGTHS AND CONFIGURATION. EXTERIOR INSULATION ON OUTDOOR REFRIGERANT LINES SHALL BE COVERED WITH UV RESISTANT JACKETS. REFER TO SPECIFICATIONS.
- PROVIDE WITH LOUVERED HAIL GUARDS FOR CONDENSER COILS.
- ELECTRICAL DISCONNECT PROVIDED BY ELECTRICAL CONTRACTOR.

FAN SCHEDULE																
MARK	QTY	SERVICE	BASIS OF DESIGN		DESCRIPTION	MOUNTING	CFM	ESP (IN. WC.)	DRIVE	MOTOR SIZE	BHP	WHEEL DIAM. (IN.)	FAN RPM	ELECTRICAL	WEIGHT (LB.)	NOTES
			MFR	MODEL												
EF-1	1	GENERAL EXHAUST	GREENHECK	SP-A90	CENTRIFUGAL	CEILING	75	0.25	DIRECT	15 W	0.01	5.5	900	115/60/1 0.2 MCA 15 MOCP	12	A
EF-2	1	GENERAL EXHAUST	GREENHECK	SP-A125	CENTRIFUGAL	CEILING	100	0.25	DIRECT	20 W	0.01	5.5	1,100	115/60/1 0.2 MCA 15 MOCP	17	A
EF-3	1	GENERAL EXHAUST	GREENHECK	SP-A125	CENTRIFUGAL	CEILING	100	0.25	DIRECT	20 W	0.01	5.5	1,100	115/60/1 0.2 MCA 15 MOCP	17	B

GENERAL NOTES:

- AMCA CERTIFIED AND UL OR ETL LISTED.
- PROVIDE ALL MATERIALS AND/OR ACCESSORIES AS REQUIRED FOR MOUNTING (HANGING RODS, ETC.).
- PROVIDE FLEXIBLE DUCT CONNECTIONS.
- STATIC PRESSURE SHOWN IS EXTERNAL TO UNIT. MANUFACTURER SHALL ADD DAMPER AND ACCESSORY LOSSES TO THIS VALUE BEFORE SELECTING FAN.
- PROVIDE INTEGRAL SPEED CONTROLLER.
- PROVIDE WITH GRAVITY BACKDRAFT DAMPER.
- PROVIDE WITH ALUMINUM CEILING GRILLE.

NOTES (WHERE APPLICABLE):

- INTERLOCK EXHAUST FAN(S) WITH ROOM LIGHTS. COORDINATE WITH ELECTRICAL CONTRACTOR.
- FAN IS TO BE IN OPERATION 24/7.

LOUVER SCHEDULE									
MARK	QTY	SERVICE	BASIS OF DESIGN		DESCRIPTION	SIZE	MAX. FLOW (CFM)	MAX. PD (IN. WC.)	FREE AREA (SF)
			MFR	MODEL					
LV-1	1	EXHAUST	GREENHECK	EHH-601	WIND DRIVEN RAIN LOUVER, HORIZONTAL BLADE	18" x 14"	275	0.08	0.5

GENERAL NOTES:

- FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD OPTIONS.
- PROVIDE WITH BIRD SCREEN.
- PROVIDE WITH GRAVITY BACKDRAFT DAMPER.

GRAVITY VENTILATOR SCHEDULE									
MARK	QTY	SERVICE	BASIS OF DESIGN		DESCRIPTION	SIZE	MAX. FLOW (CFM)	MAX. PD (IN. WC.)	THROAT (SF)
			MFR	MODEL					
GV-1	1	INTAKE	GREENHECK	GRSI	SPUN ALUMINUM GRAVITY VENTILATOR	8	60	0.08	0.37

GENERAL NOTES:

- PROVIDE WITH INSULATED ROOF CURB.
- PROVIDE WITH INSECT SCREEN.

AIR DEVICE SCHEDULE							
MARK	SERVICE	BASIS OF DESIGN		DESCRIPTION	MODULE SIZE	NECK SIZE	NOTES
		MFR	MODEL				
A	SUPPLY	TITUS	TDC-AA	ALUMINUM LOUVERED FACE DIFFUSER, ROUND NECK	12" x 12"	REF. PLAN	A
B	SUPPLY	TITUS	S300FL	ALUMINUM, DIRECT SPIRAL DUCT MOUNTED, DOUBLE DEFLECTION GRILLE, 3/4" BLADE SPACING, FRONT BLADES PARALLEL TO LONG DIMENSION	---	REF. PLAN	B
1	RETURN / TRANSFER	TITUS	350FL	ALUMINUM GRILLE, 3/4" BLADE SPACING, 35 DEGREE DEFLECTION, BLADES PARALLEL TO LONG DIMENSION	---	REF. PLAN	

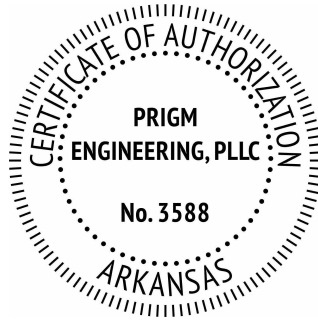
GENERAL NOTES (ALL DEVICES AS APPLICABLE):

- ALL SUPPLY DIFFUSERS ARE 4-WAY/ALL-WAY THROW UNLESS NOTED OTHERWISE.
- DIFFUSER NECK SHALL BE SAME AS BRANCH DUCT SIZE UNLESS SHOWN OTHERWISE. REFER TO PLANS.
- PROVIDE WITH BORDER/FRAME COMPATIBLE WITH MOUNTING SURFACE TYPE. REFER TO ARCHITECTURAL DRAWINGS.
- FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD OPTIONS OR READY FOR PAINT.
- PROVIDE WITH DAMPER AT TAKEOFF TO EACH DEVICE AND WHERE OTHERWISE SHOWN ON PLANS.
- PROVIDE NECK FOR DUCT CONNECTION AS REQUIRED. PROVIDE MANUFACTURER'S SQUARE TO ROUND ADAPTOR (SRG) WHERE APPLICABLE.
- DIFFUSERS SHALL BE FULL FACE.
- INSULATE BACK PANEL OF ALL SUPPLY DIFFUSERS. INSULATION TYPE SHALL MATCH INSULATION USED ON SUPPLY DUCTWORK.
- MAX NOISE CRITERIA 28, UNLESS NOTED OTHERWISE.

NOTES (APPLICABLE ONLY WHERE NOTED):

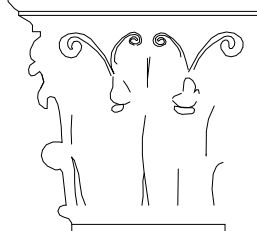
- PROVIDE WITH OPPOSED BLADE DAMPER IN NECK, ADJUSTABLE FROM FACE.
- PROVIDE WITH AIR SCOOP DEVICE, ADJUSTABLE FROM FACE.

SMACNA DUCT CLASSIFICATION SCHEDULE			
DESCRIPTION	PRESSURE CLASS	SEAL CLASS	LEAKAGE CLASS
ALL DUCTWORK			
RECTANGULAR	2"	C	24
ROUND	2"	C	12
FLEXIBLE	2"	---	---
** REFER TO MINIMUM DUCT SEAL AND LEAKAGE CLASSIFICATION SCHEDULES.			



310 W. DICKSON ST., SUITE 210
FAYETTEVILLE, AR 72701
479.877.3188 | WWW.PRIGM.COM

Dan Townsley
ARCHITECT



921 S Oak Hill Ste. 1
Rogers, AR 72758
479.631.5817 PH
dan@dt-architect.com



02.04.2026

General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



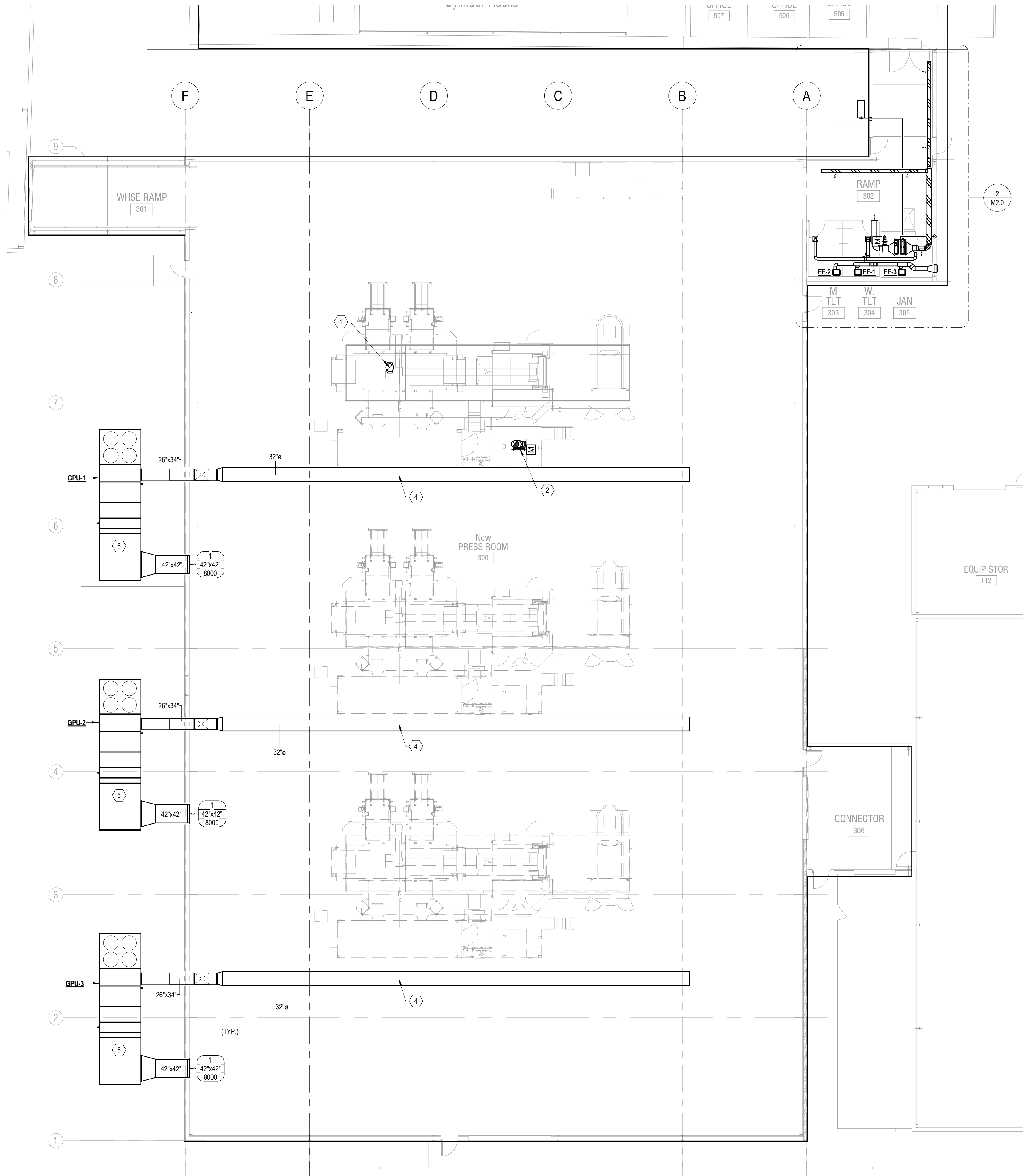
1755 S Armstrong Ave
Fayetteville, Arkansas

Sheet Contents:

Drawing Name: MECHANICAL SCHEDULES
Date: 02.04.2026
Revisions:

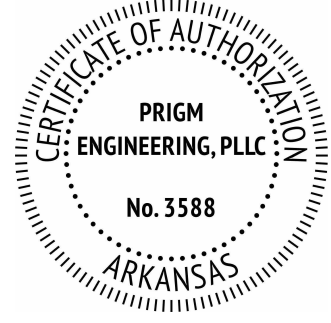
Sheet Number:

M1.0



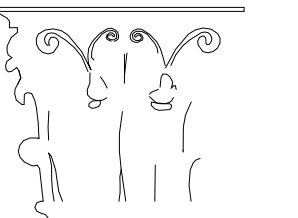
1 MECHANICAL PLAN
3/32" = 1'-0"

- PLAN NOTES:**
- 18" ROUND EXHAUST DUCT DOWN FROM ROOF TO CONNECT INTO PRESS DRYER. PROVIDE APPROPRIATE TRANSITION TO CONNECT TO DRYER OUTLET AND MINIMIZE PRESSURE DROP.
 - 24"10" RECTANGULAR EXHAUST DUCTWORK OFF OF DRYER. PROVIDE 22"10" HORIZONTAL RECTANGULAR TAP WITH AUTOMATIC BYPASS DAMPER RIGHT AFTER DUCT CONNECTION TO DRYER. PROVIDE AUTOMATIC CONTROL DAMPER AFTER 22"10" TAKEOFF INTERLOCKED WITH BYPASS DAMPER. DUCT SHALL TRANSITION TO 18" ROUND AFTER AUTOMATIC CONTROL DAMPER.
 - 6" ROUND OUTSIDE AIR DUCT UP TO GV-1 ON THE ROOF.
 - DUCTSOX, REFER TO DUCTSOX DRAWINGS. DICTSOX COLOR SHALL BE CHOSEN BY THE ARCHITECT FROM THE MANUFACTURER'S STANDARD COLORS.
 - MOUNT MECHANICAL EQUIPMENT ON CONCRETE PAD. PAD TO BE PROVIDED BY G.C. ROUTE CONDENSATE TO GRADE WITH AIR GAP.
 - 3/4" CONDENSATE DRAIN LINE ROUTED DOWN WALL AND TERMINATING ON THE EXTERIOR OF THE BUILDING WITH AN AIR GAP.
 - ROUTE EXPOSED REFRIGERANT LINES TIGHT TO STRUCTURE.



310 W. DICKSON ST., SUITE 210
FAYETTEVILLE, AR 72701
479.877.3188 | WWW.PRIGM.COM

Dan Townsley
ARCHITECT



921 S Oak Hill Ste. 1
Rogers, AR 72758
479.631.5817 PH
dan@dt-architect.com



02.04.2026

General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



1755 S Armstrong Ave
Fayetteville, Arkansas

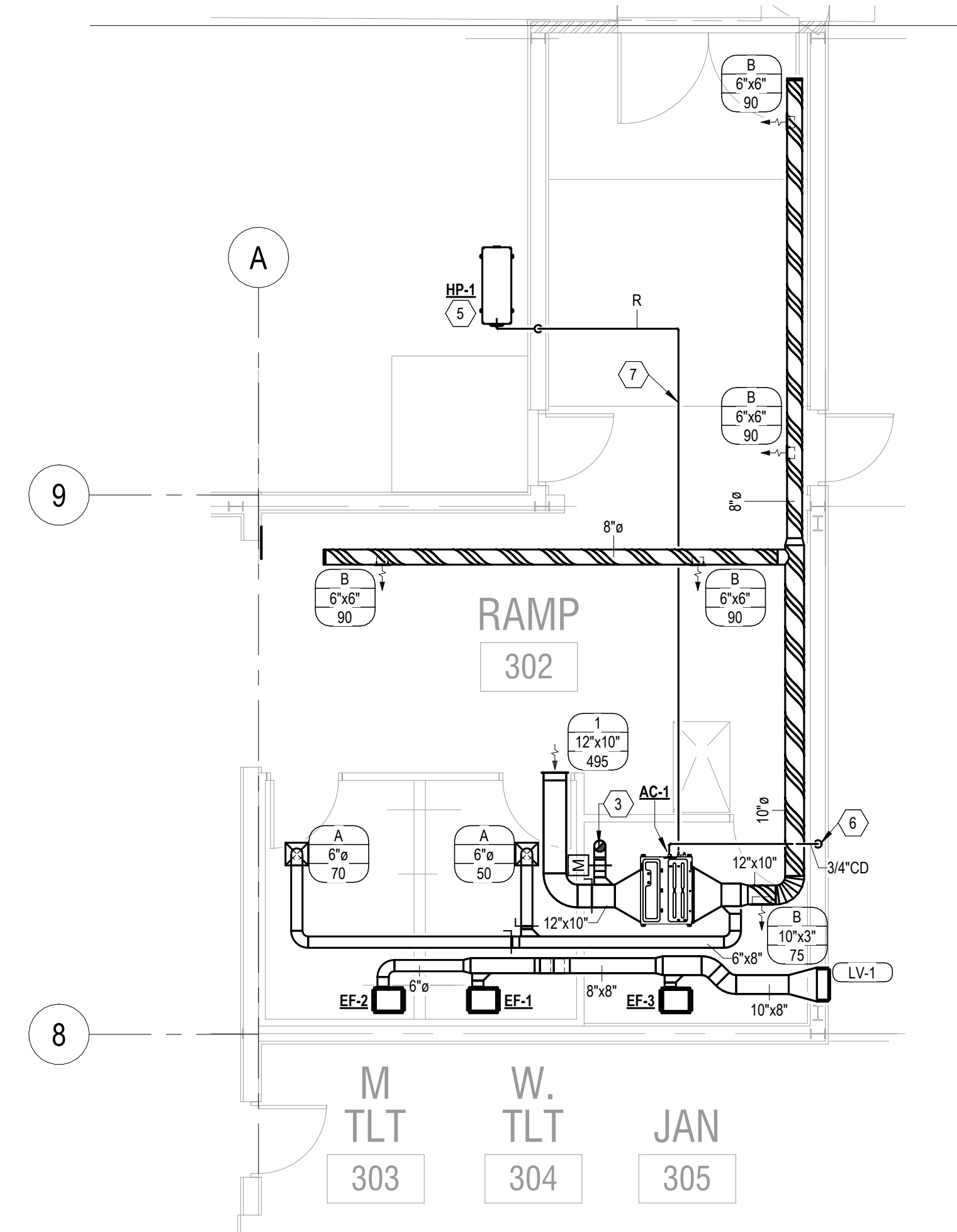
Sheet Contents:

Drawing Name: MECHANICAL PLANS
Date: 02.04.2026
Revisions:

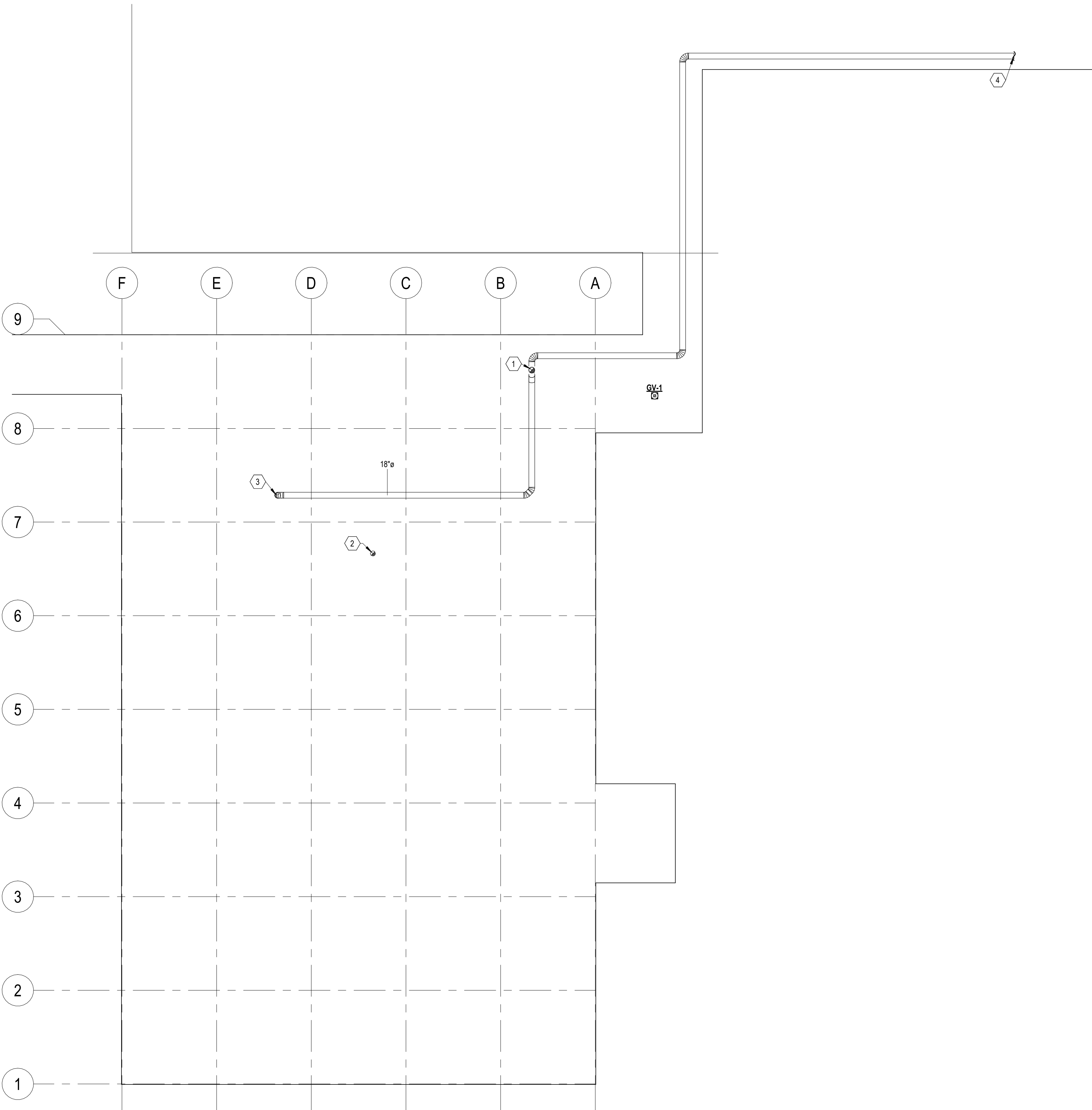
Sheet Number:

M2.0

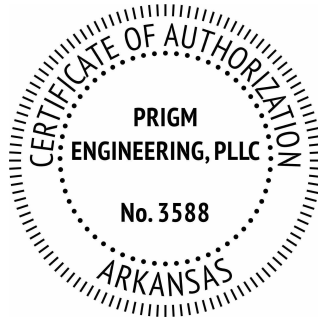
Copyright ©2026 N A B H O L Z Construction



2 RAMP ENLARGED PLAN
3/16" = 1'-0"



- PLAN NOTES:**
1. PROVIDE SECONDARY 18" ROUND EXHAUST BRANCH WITH AUTOMATIC CONTROL DAMPER IN THE VERTICAL DUCT AND A CONICAL RAINCAP AT THE OUTLET. AUTOMATIC CONTROL DAMPER TO BE INTERLOCKED WITH INCINERATOR AND SHALL FULLY OPEN IN THE EVENT THE INCINERATOR SHUTS DOWN DURING PRESS OPERATION.
 2. 16" ROUND EXHAUST DUCT UP THROUGH ROOF FROM DRYER TO TERMINATE AT GOOSENECK.
 3. 18" ROUND EXHAUST DUCT DOWN THROUGH ROOF.
 4. CONNECT 18" EXHAUST DUCT ON ROOF TO EXISTING INCINERATOR MANIFOLD. UPSIZE MANIFOLD AS REQUIRED TO CONNECT ALL DUCTS.



PRIGM
ENGINEERING

310 W. DICKSON ST., SUITE 210
FAYETTEVILLE, AR 72701
479.877.3188 | WWW.PRIGM.COM

Dan Townsley
ARCHITECT

921 S Oak Hill Ste. 1
Rogers, AR 72758
479.631.5817 PH
dan@dt-architect.com



02.04.2026

General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



1755 S Armstrong Ave
Fayetteville, Arkansas

Sheet Contents:

Drawing Name: **MECHANICAL ROOF PLAN**
Date: **02.04.2026**
Revisions:

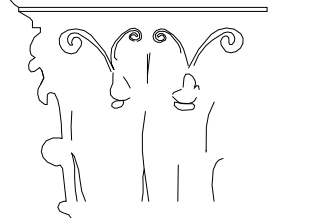
Sheet Number:

M3.0



310 W. DICKSON ST., SUITE 210
FAYETTEVILLE, AR 72701
479.877.3188 | WWW.PRIGM.COM

Dan Townsley
ARCHITECT



921 S Oak Hill Ste. 1
Rogers, AR 72758
479.631.5811 T PH
dan@dt-architect.com



02.04.2026

General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



1755 S Armstrong Ave
Fayetteville, Arkansas

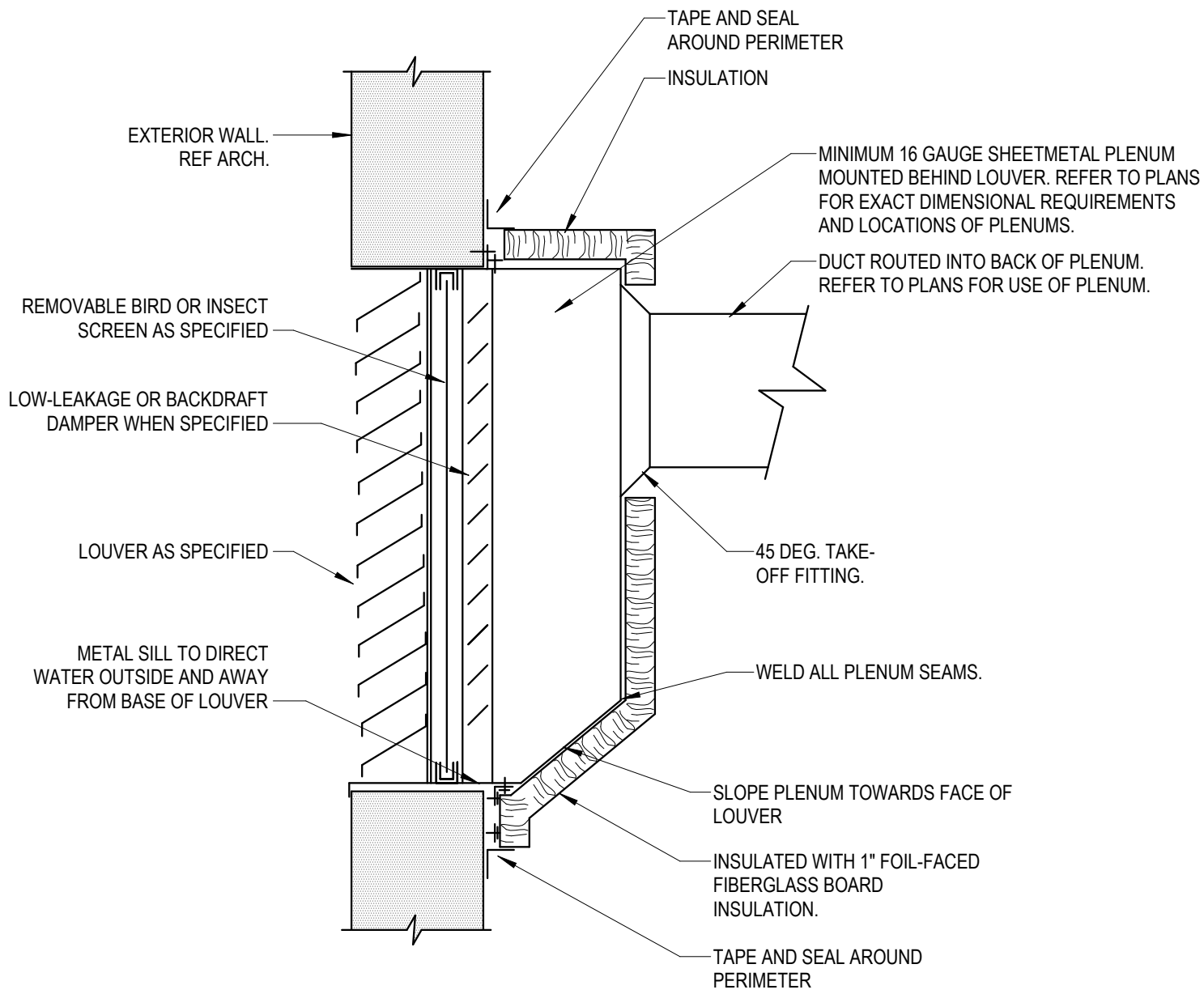
Sheet Contents:

Drawing Name: MECHANICAL DETAILS & CONTROLS
Date: 02.04.2026
Revisions:

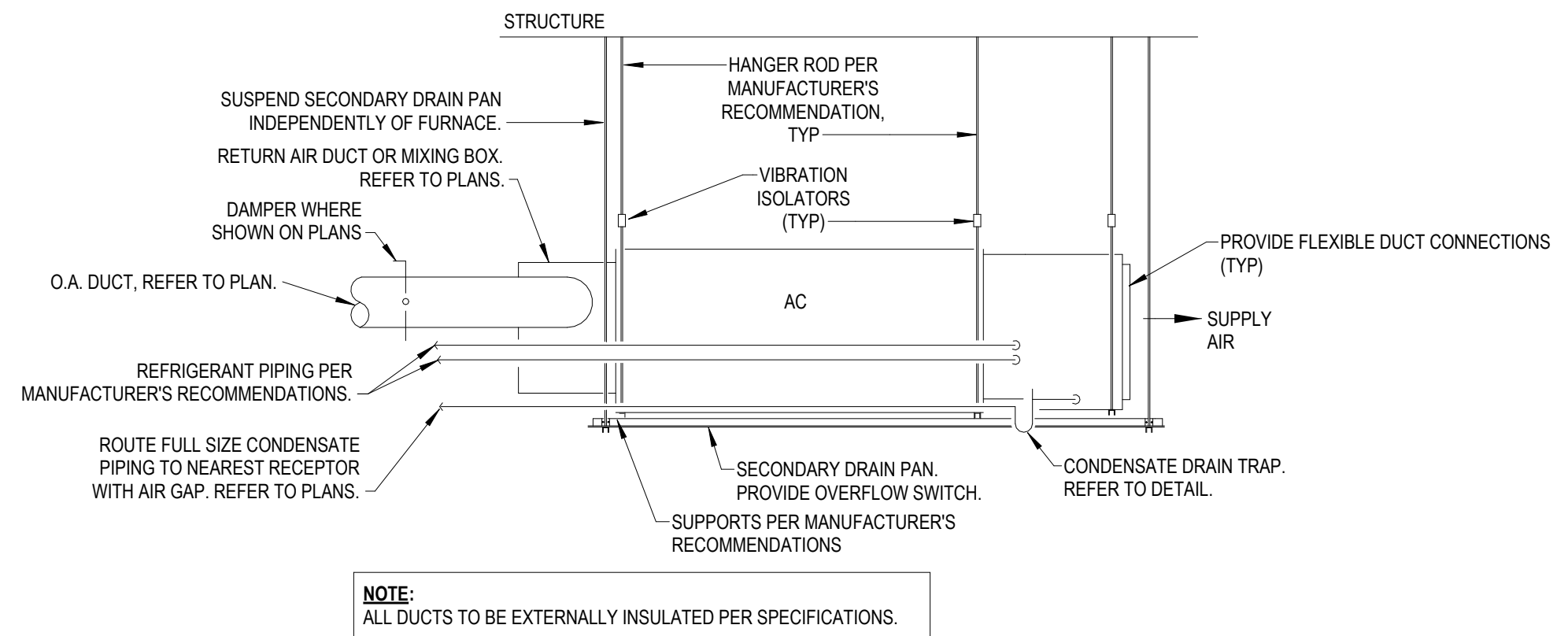
Sheet Number:

M4.0

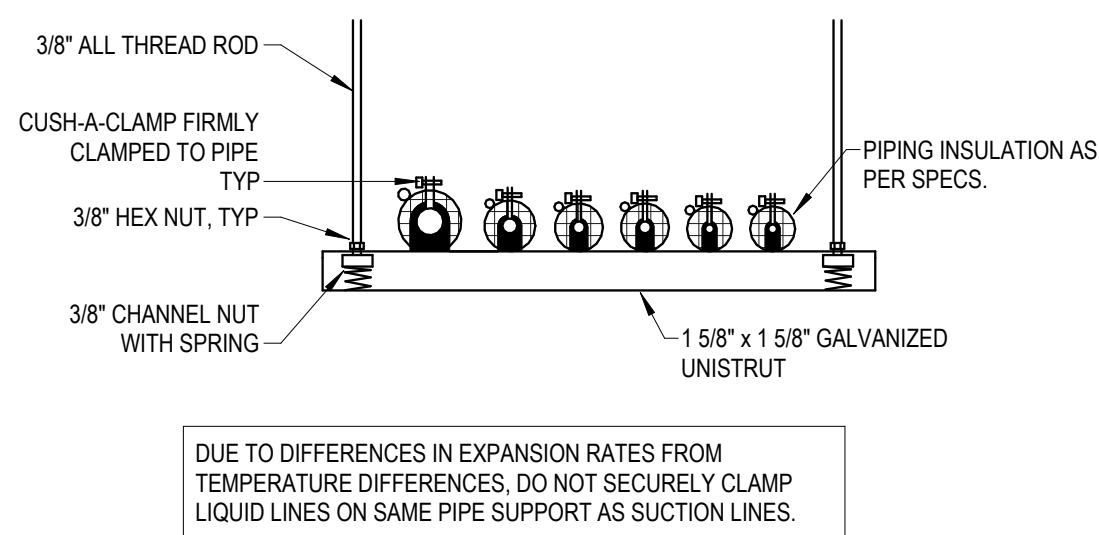
Copyright ©2026 N A B H O L Z Construction



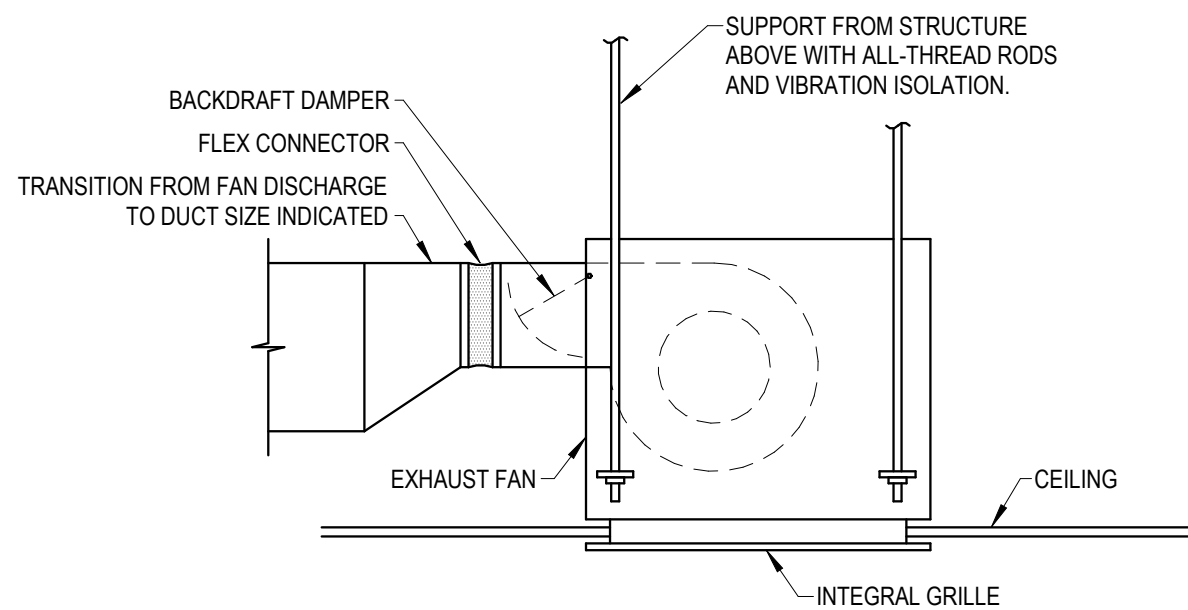
10 LOUVER CONNECTION DETAIL
SCALE: NTS



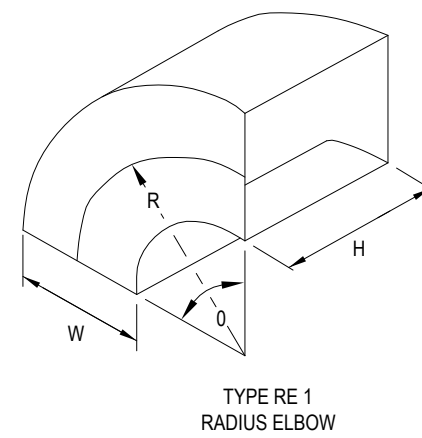
9 HORIZONTAL HEAT PUMP DETAIL
SCALE: NTS



8 REFRIGERANT LINE SUPPORT
SCALE: NTS

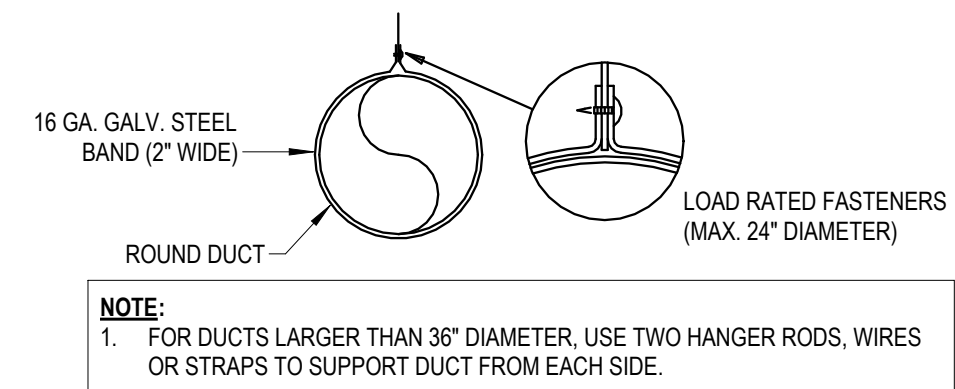


7 CEILING MOUNTED CABINET EXHAUST FAN
SCALE: NTS

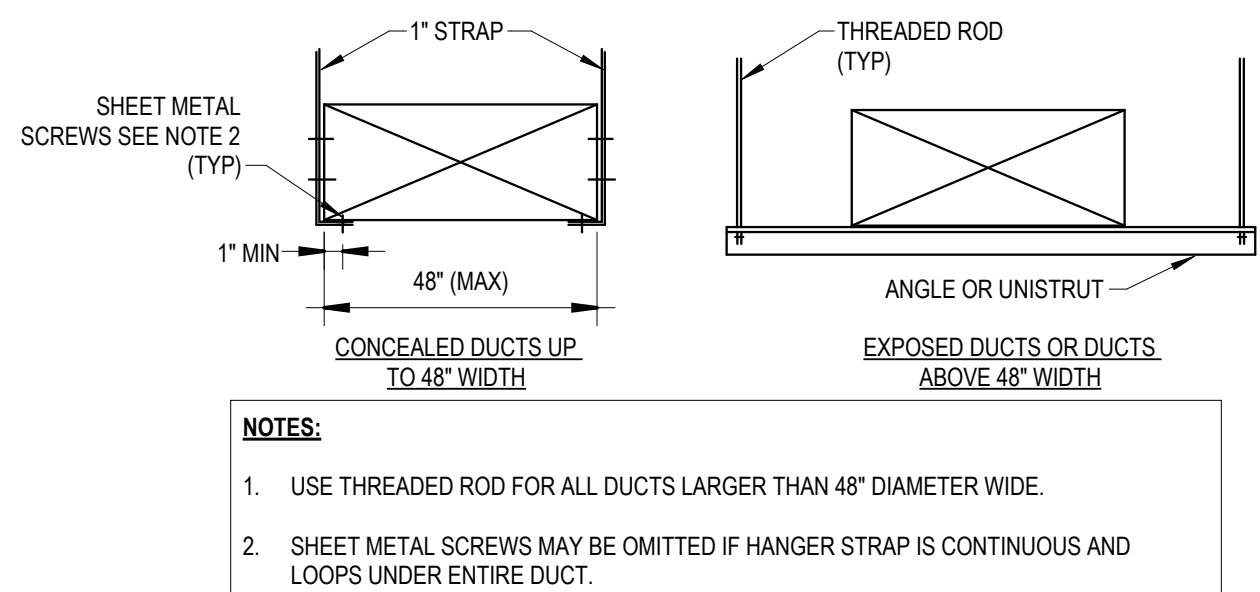


CENTERLINE $R = 3W/2$ UNLESS OTHERWISE SPECIFIED - NOT RESTRICTED TO 90° ELBOWS.
WHERE AIR VELOCITY IS BELOW 1,000 FPM, $R = W/2$ MAY BE USED.
SQUARE THROAT ELBOWS MAY NOT BE USED.

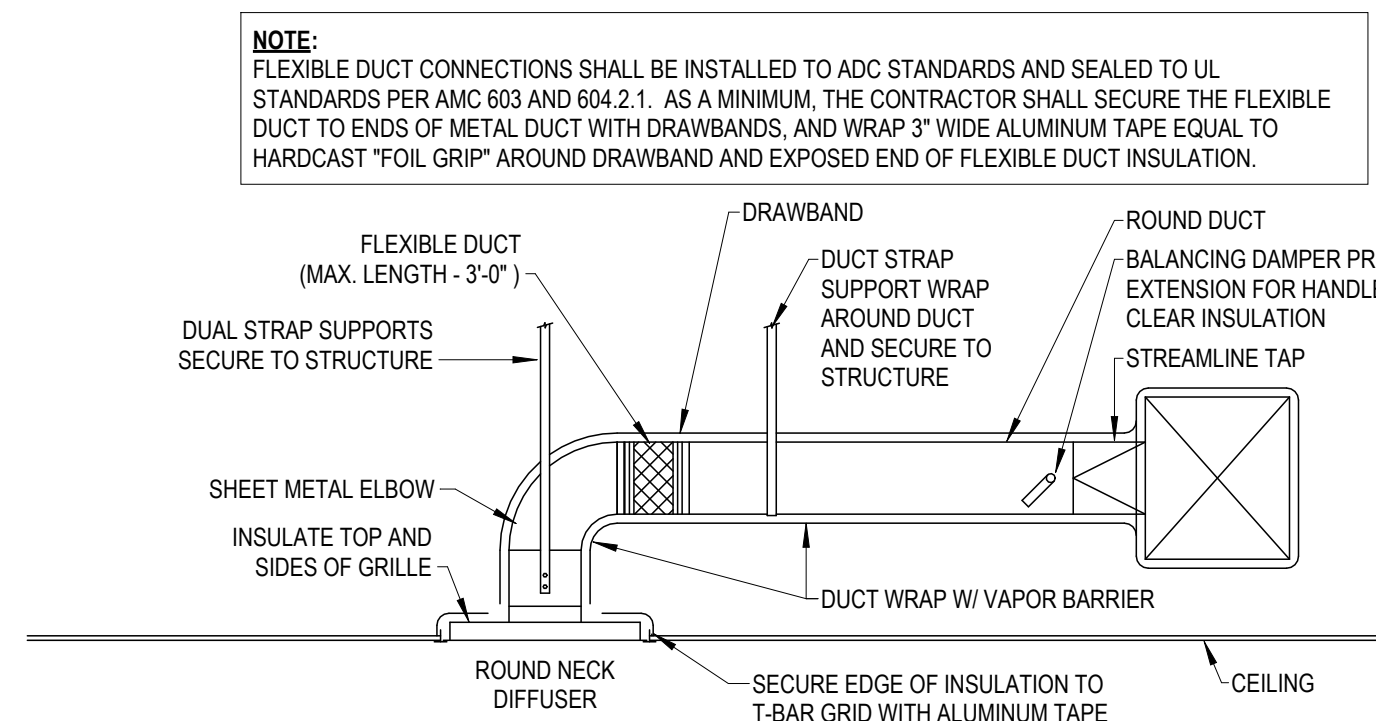
6 SMACNA RADIUS ELBOW TYPE RE1 DETAIL
SCALE: NTS



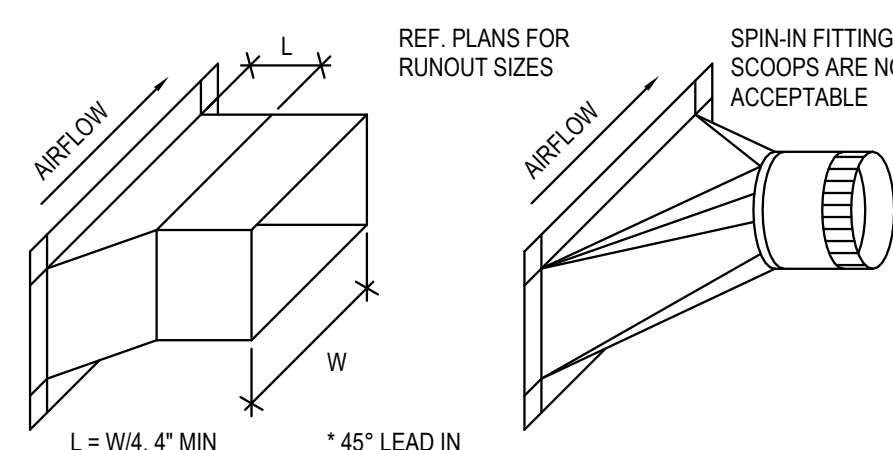
5 ROUND DUCT SUPPORT
SCALE: NTS



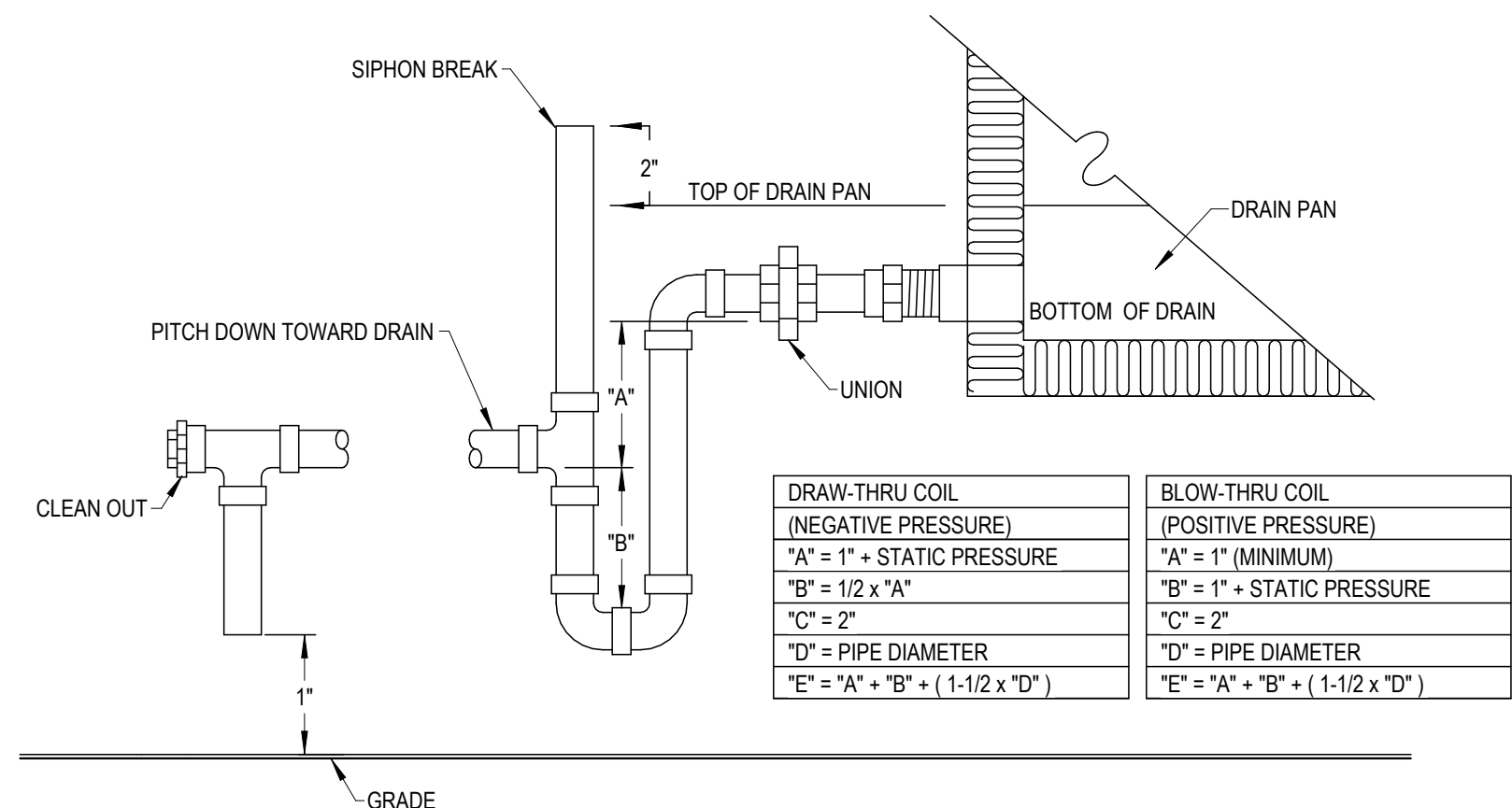
4 RECTANGULAR DUCT SUPPORT
SCALE: NTS



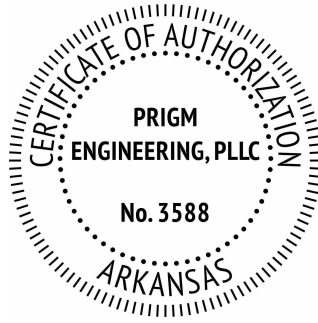
3 ROUND DUCT DIFFUSER CONNECTION
SCALE: NTS



2 BRANCH DUCT FITTING
SCALE: NTS



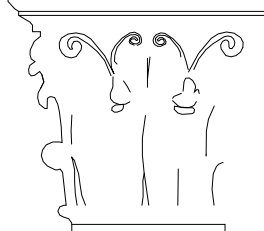
1 CONDENSATE TRAP DETAIL
SCALE: NTS



PRIGM
ENGINEERING

310 W. DICKSON ST., SUITE 210
FAYETTEVILLE, AR 72701
479.877.3188 | WWW.PRIGM.COM

Dan Townsley
ARCHITECT



921 S Oak Hill Ste. 1
Rogers, AR 72758
479.631.5817 PH
dan@dt-architect.com



02.04.2026

General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



**PACKAGING
SPECIALTIES, INC.**
Celebrating 50 years
Est. 1974

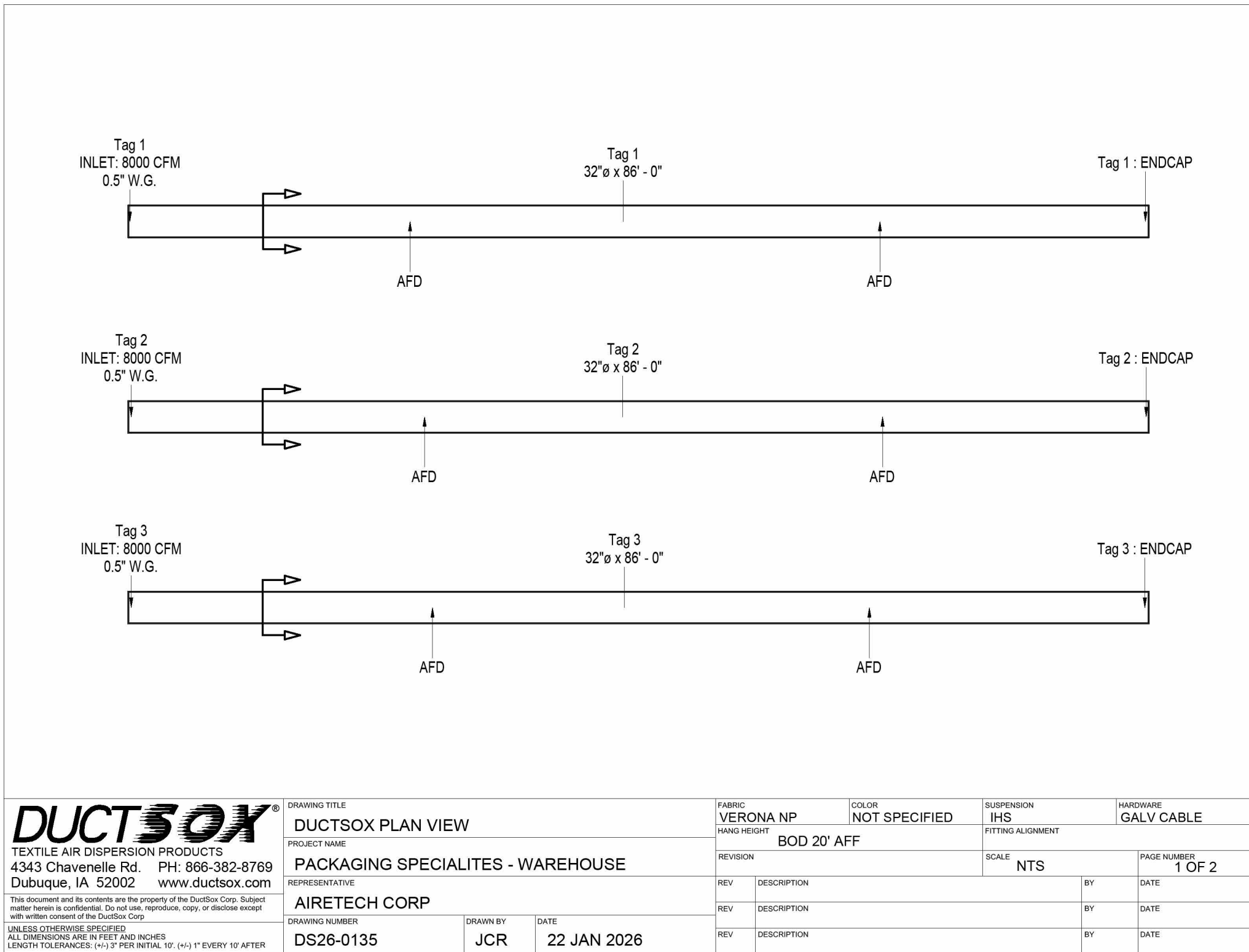
1755 S Armstrong Ave
Fayetteville, Arkansas

Sheet Contents:

Drawing Name: MECHANICAL DETAILS &
Date: CONTROLS
Revisions: 02.04.2026

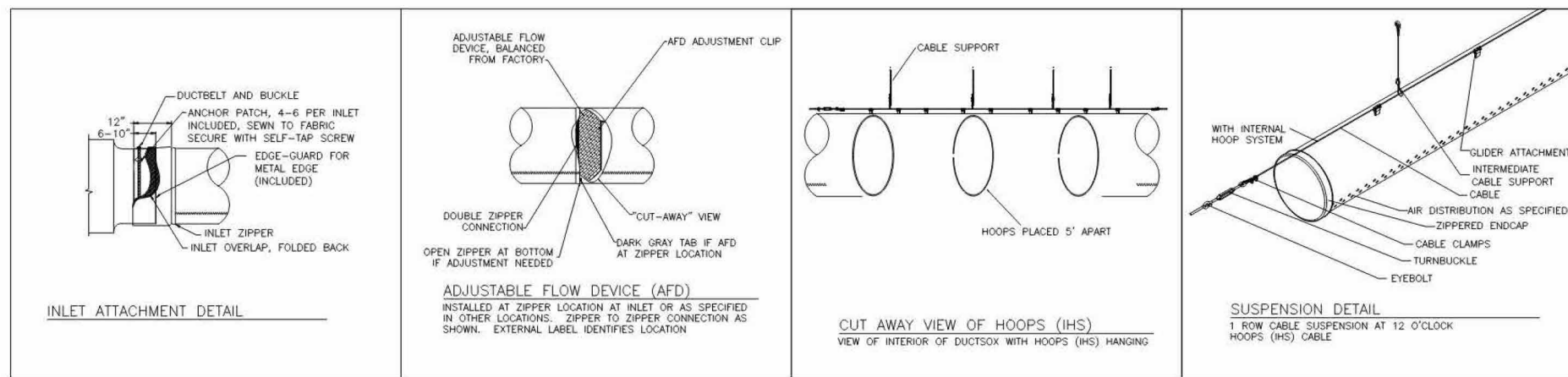
Sheet Number:

M4.1

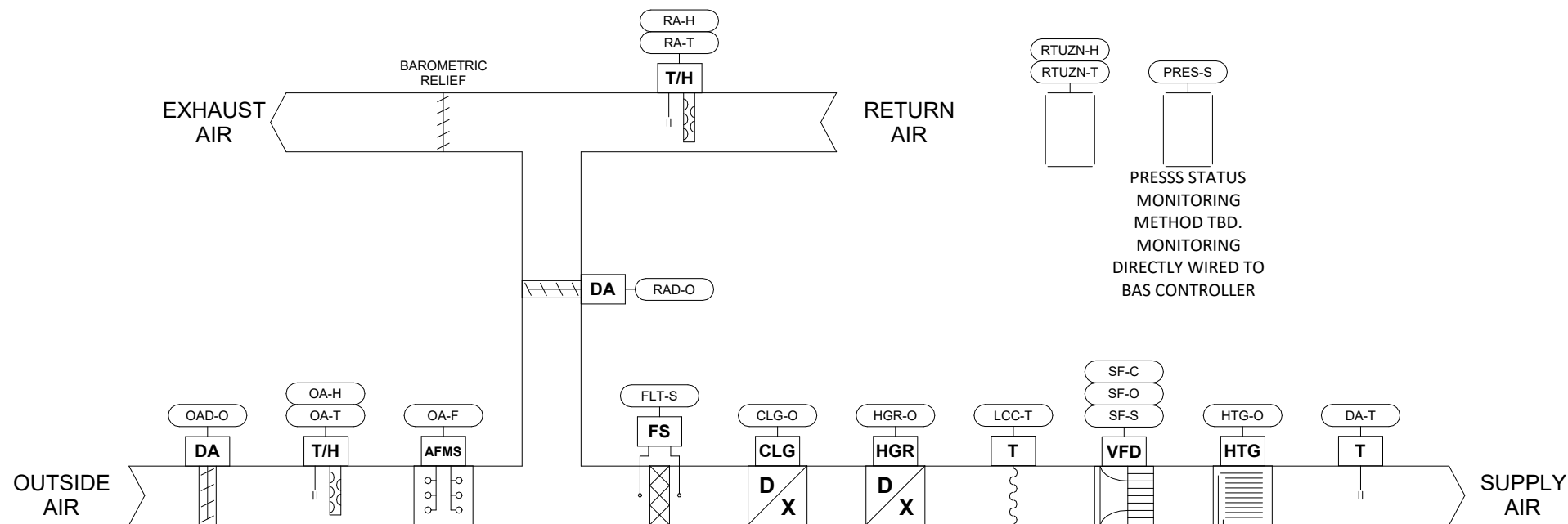


DUCTSOX TEXTILE AIR DISPERSION PRODUCTS 4343 Chavenelle Rd. PH: 866-382-8769 Dubuque, IA 52002 www.ductsox.com This document and its contents are the property of the DuctSox Corp. Subject matter herein is confidential. Do not copy, reproduce, copy or disclose content without the written consent of the DuctSox Corp. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN FEET AND INCHES LENGTH TOLERANCES: (+) 1/2" PER INITIAL 10' (+) 1" EVERY 10' AFTER	DRAWING TITLE DUCTSOX PLAN VIEW	FABRIC VERONA NP	COLOR NOT SPECIFIED	SUSPENSION IHS	HARDWARE GALV CABLE
PROJECT NAME PACKAGING SPECIALITES - WAREHOUSE	REVISION BOD 20' AFF	SCALE NTS	PAGE NUMBER 1 OF 2		
REPRESENTATIVE AIRETECH CORP	REV	DESCRIPTION	BY	DATE	
DRAWING NUMBER DS26-0135	REV	DESCRIPTION	BY	DATE	
DRAWN BY JCR	DATE 22 JAN 2026				

Dispersion Information (Velocity of 150, 100, 50 FPM)									
Tag #	CFM Dispersed	Dispersion Type	%	Dispersion Set 1	%	Dispersion Set 2	%	Dispersion Set 3	
1	8000	Orifice	25	Size 1.5 at 4:00 - 12' 18' 29"	25	Size 1.125 at 7:30 - 9' 14' 22"	50	Size 3.0 at 8:30 - 24' 36' 58"	
2	8000	Orifice	50	Size 1.5 at 4:00 - 12' 18' 29"	50	Size 1.5 at 8:00 - 12' 18' 29"			
3	8000	Orifice	50	Size 1.5 at 4:00 - 12' 18' 29"	50	Size 1.5 at 8:00 - 12' 18' 29"			



DUCTSOX TEXTILE AIR DISPERSION PRODUCTS 4343 Chavenelle Rd. PH: 866-382-8769 Dubuque, IA 52002 www.ductsox.com This document and its contents are the property of the DuctSox Corp. Subject matter herein is confidential. Do not copy, reproduce, copy or disclose content without the written consent of the DuctSox Corp. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN FEET AND INCHES LENGTH TOLERANCES: (+) 1/2" PER INITIAL 10' (+) 1" EVERY 10' AFTER	DRAWING TITLE DUCTSOX PLAN VIEW	FABRIC VERONA NP	COLOR NOT SPECIFIED	SUSPENSION IHS	HARDWARE GALV CABLE
PROJECT NAME PACKAGING SPECIALITES - WAREHOUSE	REVISION BOD 20' AFF	SCALE NTS	PAGE NUMBER 2 OF 2		
REPRESENTATIVE AIRETECH CORP	REV	DESCRIPTION	BY	DATE	
DRAWING NUMBER DS26-0135	REV	DESCRIPTION	BY	DATE	
DRAWN BY JCR	DATE 22 JAN 2026				



SEQUENCE OF OPERATION

THE SYSTEM SHALL BE IN OPERATION AT ALL TIMES UNLESS MANUALLY SHUTDOWN. THE OPERATING MODES SHALL BE REGULATION AIR MODE OR MAKEUP AIR MODE BASED ON THE OPERATIONAL STATUS OF THE PRESS EXHAUST SYSTEM. WHEN THE PRESS EXHAUST IS INACTIVE, THE SYSTEM SHALL BE IN MAKEUP AIR MODE. WHEN THE PRESS EXHAUST IS INACTIVE, THE SYSTEM SHALL BE IN REGULATION AIR MODE.

THE PRESS EXHAUST SYSTEM STATUS SHALL BE MONITORED BY THE LOCAL BAS MASTER CONTROLLER. THE BAS MASTER CONTROLLER SHALL MONITOR THE PRESS EXHAUST SYSTEM STATUS. WHEN THE PRESS EXHAUST SYSTEM IS INACTIVE, THE BAS MASTER CONTROLLER SHALL MONITOR THE PRESS EXHAUST SYSTEM STATUS. WHEN THE PRESS EXHAUST SYSTEM IS INACTIVE, THE BAS MASTER CONTROLLER SHALL MONITOR THE PRESS EXHAUST SYSTEM STATUS.

THE SUPPLY FAN SHALL OPERATE AT A CONSTANT SPEED AND THE OUTSIDE AIR DAMPER SHALL BE MODULATED TO MAINTAIN THE OUTSIDE AIRFLOW AT SETPOINT.

WHEN THE PRESS EXHAUST SYSTEM IS NOT ACTIVE, THE BAS MASTER CONTROLLER SHALL MONITOR THE PRESS EXHAUST SYSTEM STATUS. WHEN THE PRESS EXHAUST SYSTEM IS INACTIVE, THE BAS MASTER CONTROLLER SHALL MONITOR THE PRESS EXHAUST SYSTEM STATUS.

WHEN THE PRESS EXHAUST SYSTEM IS ACTIVE, THE BAS MASTER CONTROLLER SHALL MONITOR THE PRESS EXHAUST SYSTEM STATUS. WHEN THE PRESS EXHAUST SYSTEM IS INACTIVE, THE BAS MASTER CONTROLLER SHALL MONITOR THE PRESS EXHAUST SYSTEM STATUS.

THE SPACE TEMPERATURE SHOULD BE SET TO 68°F DURING HEATING AND COOLING. THE TEMPERATURE SETPOINT SHALL BE ADJUSTABLE AT THE BAS.

ECONOMIZER OPERATION SHALL BE ENABLED WHENEVER THE OUTDOOR ENTHALPY IS LESS THAN THE RETURN AIR ENTHALPY TO USE OUTSIDE AIR FOR COOLING. DURING ECONOMIZER OPERATION THE OUTSIDE AIR DAMPER SHALL MODULATE TO MAINTAIN THE SPACE AIR TEMPERATURE AT THE COOLING SETPOINT.

IN MANUAL COOLING MODE, THE INVERTER COMPRESSORS SHALL MODULATE TO MAINTAIN THE SPACE AIR TEMPERATURE AT THE COOLING SETPOINT.

IN HEATING MODE, THE GAS HEAT SHALL MODULATE TO MAINTAIN THE SPACE AIR TEMPERATURE AT THE HEATING SETPOINT.

DEHUMIDIFICATION WILL BE ACTIVATED WHEN THE SPACE RELATIVE HUMIDITY RISES ABOVE THE DEHUMIDIFICATION SETPOINT OF 50% RH. IN DEHUMIDIFICATION MODE, THE COMPRESSORS SHALL MODULATE TO MAINTAIN THE SPACE RELATIVE HUMIDITY COOLING COIL DEWPOINT AS LOW AS 45°F. IN HEAT PUMP MODE, THE SPACE RELATIVE HUMIDITY SHALL BE MAINTAINED AT 50% RH. IN HEAT PUMP MODE, THE SPACE RELATIVE HUMIDITY SHALL BE MAINTAINED AT 50% RH.

1 **PACKAGED UNIT CONTROL DIAGRAM**
SCALE: NTS

[illegible]

ELECTRICAL SPECIFICATIONS

DIVISION 26 - ELECTRICAL

I. GENERAL PROVISIONS

A. GENERAL CONDITIONS, CODES & STANDARDS

1. GENERAL CONDITIONS OF THE CONTRACT FOUND IN THE ARCHITECTURAL DRAWINGS, GENERAL AND SPECIAL CONDITIONS OF THE AMERICAN INSTITUTE OF ARCHITECTS (AIA) AND ANY OF THE OWNER'S GENERAL REQUIREMENTS SHALL APPLY UNLESS NOTED OTHERWISE.
2. REFER TO THE GENERAL CONDITIONS ON THE ARCHITECTURAL DOCUMENTS AND THE GENERAL AND SPECIAL CONDITIONS OF THE AIA FOR ADDITIONAL REQUIREMENTS REGARDING, SAFETY, COORDINATION & COOPERATION, WORKMANSHIP, PROTECTION, CUTTING AND PATCHING, DAMAGE TO OTHER WORK, PRELIMINARY OPERATIONS, STORAGE, ADJUSTMENTS, CLEANING, ETC.
3. ALL WORK SHALL BE IN CONFORMANCE WITH ALL LOCALLY ENFORCED, FEDERAL, STATE, AND LOCAL CODES AND ORDINANCES INCLUDING ANY SPECIAL OWNER REQUIREMENTS IN ADDITION TO THOSE SPECIFIED. NFPA 70 (NEC), OSHA, AND UL SHALL BE THE MINIMUM STANDARD OF CODE COMPLIANCE. THE NEC VERSION THAT IS FOLLOWED BY THE LOCAL JURISDICTION SHALL BE THE MINIMUM REQUIREMENTS OF THE WORK.
4. CONTRACTOR SHALL PAY FOR AND OBTAIN ALL NECESSARY LICENSES, PERMITS AND INSPECTIONS REQUIRED TO PROCEED WITH THE WORK. THIS SHALL INCLUDE ALL REQUIRED COORDINATION WITH THE LOCAL UTILITY COMPANIES AND THEIR ASSOCIATED FEES OR COSTS.
5. THE ELECTRICAL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF THE WORK THAT IS CONTRACTED; THESE DRAWINGS ARE TO BE USED AS A GUIDE FOR LAYING OUT WORK AND TO VERIFY EQUIPMENT SPECIFICATIONS, LOCATIONS, AND COMPLIANCE. EQUIPMENT INSTALLED PER MANUFACTURER'S RECOMMENDATIONS SHALL ENSURE A COMPLETE, COORDINATE AND PROPERLY OPERATING SYSTEM. DETERMINE EXACT LOCATIONS BY JOB MEASUREMENTS, BY CHECKING WITH OTHER TRADES, AND BY REVIEWING ALL CONTRACT DOCUMENTS. ERRORS THAT ARE CAUSED BY IMPROPER CHECKING AND INSPECTION SHALL BE CORRECTED AT NO ADDITIONAL COST TO OWNER.
6. A PRE-BID SITE VISIT SHALL BE PERFORMED TO BECOME AWARE OF THE SITE AND BUILDING CONDITIONS THAT THE WORK IS TO BE DONE.

B. SCOPE OF WORK

1. THIS CONTRACT SHALL INCLUDE THE FURNISHING, INSTALLING, CONNECTING, AND OPERATION OF ALL EQUIPMENT WHICH IS A PART OF THE ELECTRICAL SYSTEMS AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY SIMILAR INSTALLATIONS. ANY MATERIAL OR LABOR WHICH IS NEITHER SHOWN ON THE DRAWINGS NOR CALLED FOR IN THE SPECIFICATIONS, BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK AND WHICH IS USUALLY INCLUDED IN WORK OF A SIMILAR CHARACTER SHALL BE FURNISHED AND INSTALLED UNDER THIS CONTRACT AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED TO PROVIDE THE OWNER A COMPLETE, CODE APPROVED AND OPERATIONAL ELECTRICAL SYSTEM.
2. CAREFULLY READ SPECIFICATION FOR ALL PARTS OF THE WORK SO AS TO BECOME FAMILIAR WITH ALL TRADES' WORK SCOPE. CONSULT WITH OTHER TRADES TO INSURE PROPER LOCATIONS AND AVOID INTERFERENCES. ANY CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER BEFORE WORK IS COMMENCED.
3. CONTRACTORS SHALL BE HELD TO HAVE EXAMINED THE PREMISES AND SITE SO AS TO COMPARE THEM WITH THE DRAWINGS AND SPECIFICATIONS, NOTE THE EXISTING CONDITIONS AND OTHER WORK THAT WILL BE REQUIRED, AND THE NATURE OF THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. NO ALLOWANCE SHALL BE MADE TO THE CONTRACTOR BY REASON OF THIS FAILURE TO HAVE MADE SUCH EXAMINATION OR OF ANY ERROR ON HIS PART.
4. ALL EXISTING UTILITY AND ELECTRICAL SERVICES SHALL BE FIELD VERIFIED. CORRECTIONS TO THE DESIGN AND INSTALLATION SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER.
5. PROVIDE ALL CUTTING AND PATCHING REQUIRED FOR INSTALLATION OF ELECTRICAL WORK. ALL CORE DRILLING OR CUTTING OF FIRE RATED FLOORS, SHAFTS, AND WALLS SHALL BE FIREFSTOPPED PRIOR TO FINISH PATCHING. ALL PENETRATIONS SHALL BE FIRE SEALED TO MATCH THE FIRE RATING OF THE FLOORS, SHAFTS, AND WALLS PENETRATED. ACCEPTABLE MANUFACTURERS OF FIREFSTOPPING ARE: HILTI, 3M CORP, RECTORSEAL, AND SPECIFY TECHNOLOGY. PROVIDE THE PROPER FIRE-STOPPING APPLICATION BASED ON MANUFACTURER'S INTENDED USE.
6. TEMPORARY ELECTRICAL SERVICE, LIGHTING, AND RELATED WIRING SHALL BE PROVIDED TO OSHA REQUIREMENTS FOR THE USE OF ALL TRADES DURING CONSTRUCTION.
7. TEMPERATURE AND INTERLOCK CONTROL COMPONENTS AND ALL RELATED WIRING AND CONDUIT SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
8. THIS CONTRACT SHALL ALSO INCLUDE ALL LABOR, MATERIALS AND MISCELLANEOUS EXPENSES REQUIRED FOR ALL REQUIRED ELECTRICAL DEMOLITION OF THE EXISTING AREAS BEING RENOVATED.
 - a. THE DEMOLITION SHALL CONSIST OF THE COMPLETE REMOVAL (PROPERLY DISPOSED OFF SITE UNLESS OTHERWISE NOTED) OF ALL ELECTRICAL EQUIPMENT, WIRING, CONDUIT, MATERIALS, ETC. NOT REQUIRED IN THE FINAL DESIGN AND INSTALLATION OF THE ELECTRICAL SYSTEMS FOR THE NEW RENOVATED AREAS.
 - b. ALL UNDERGROUND SERVICES NOT BEING REUSED SHALL BE CAPPED BELOW THE FLOOR, WIRING REMOVED, AND FLOOR PENETRATIONS REPAIRED TO MATCH ADJACENT SURFACES.
 - c. ALL ABOVE GROUND CIRCUITS SHALL BE REMOVED BACK TO THE SOURCE UNLESS INDICATED OTHERWISE.
9. COORDINATE ALL DEMOLITION WITH THE ARCHITECTURAL DOCUMENTS, THE ARCHITECT, AND THE OWNER'S GENERAL REQUIREMENTS.
10. THE GENERAL CONTRACTOR SHALL VERIFY SITE LIGHTING BASE DETAILS WITH STRUCTURAL ENGINEER TO VERIFY APPLICABILITY OF POLE/FIXTURE BASE WITH LOCAL SOIL CONDITIONS.
11. ALL WORK INCLUDING, BUT NOT LIMITED TO PARTS, MATERIAL, EQUIPMENT AND LABOR SHALL BE GUARANTEED FOR ONE YEAR AFTER ACCEPTANCE BY THE ENGINEER AND OWNER. WHERE AN EQUIPMENT MANUFACTURER HAS A WARRANTY THAT EXCEEDS ONE YEAR, THAT WARRANTY PERIOD SHALL APPLY TO THIS PROJECT.

C. DOCUMENTS

1. THE DRAWINGS ARE DIAGRAMMATIC; ALL WORK SHALL BE PERFORMED AS INDICATED ON THE DRAWINGS UNLESS EXISTING CONDITIONS OR COORDINATION ISSUES REQUIRE CHANGES. THESE CHANGES SHALL BE MADE WITH NO ADDITIONAL COST TO THE OWNER.
2. ANY INCIDENTAL ITEMS OR LABOR, ETC. NOT INCLUDED IN THE SPECIFICATIONS OR THE DRAWINGS BUT REASONABLY IMPLIED AS NECESSARY FOR THE COMPLETE INSTALLATION OF ALL APPARATUS SHALL BE INCLUDING IN BID.
3. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER AND ANY MATERIAL OR LABOR CALLED FOR IN ONE SHALL BE FURNISHED EVEN THOUGH NOT MENTIONED IN BOTH.
4. IF ERRORS ARE FOUND IN THE DRAWINGS OR SPECIFICATIONS OR DISCREPANCIES OCCUR BETWEEN THE SAME, OR BETWEEN THE FIGURES ON THE DRAWINGS, AND THE SCALE OF SAME OR BETWEEN THE LARGER AND SMALLER DRAWINGS, OR IN THE DESCRIPTIVE MATTER ON THE DRAWINGS SHALL BE REFERRED TO THE OWNER FOR REVIEW AND FINAL DECISION PRIOR TO THE BID DUE DATE.
5. THE BIDDING OF THIS WORK WILL CONTEMPLATE THE USE OF EQUIPMENT AND MATERIALS EXACTLY AS SPECIFIED HEREIN. WHERE MORE THAN ONE MANUFACTURER IS MENTIONED ANY ONE MAY BE UTILIZED. SUBSTITUTE MANUFACTURERS MAY BE OFFERED ONLY AS AN ALTERNATE TO THE SPECIFIED EQUIPMENT AND MATERIAL AND MUST BE SUBMITTED AS SPECIFIED IN THE ARCHITECTURAL DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE ALTERNATE IS A SATISFACTORY EQUAL PRIOR TO THE SUBMISSION FOR APPROVAL TO THE ENGINEER. THE ARCHITECT OR ENGINEER HAS THE RIGHT TO APPROVE OR DISAPPROVE ANY SUBSTITUTION AND THE DECISION IS FINAL.
6. MISCELLANEOUS ITEMS NECESSARY TO COMPLETE THE SYSTEMS CAN BE OF ANY RECOGNIZED MANUFACTURER, PROVIDED THESE ITEMS MEET MINIMUM STANDARDS AS SET IN THESE SPECIFICATIONS, ARE FROM A MANUFACTURER WITH A MINIMUM OF 5 YEAR EXISTENCE, AND IT IS UL LISTED. REFER TO EACH SECTION FOR ANY SPECIFIC REQUIREMENTS.

D. COORDINATION

1. CONTRACTOR SHALL LOCATE, IDENTIFY AND PROTECT ANY EXISTING SERVICES WHICH ARE REQUIRED TO BE MAINTAINED OPERATIONAL AND SHALL EXERCISE EXTRA CAUTION IN THE PERFORMANCE OF ALL WORK TO AVOID DISTURBING SUCH FACILITIES. ALL COSTS FOR REPAIR OF DAMAGES TO SUCH SERVICES SHALL BE PAID BY THE CONTRACTOR CAUSING THE DAMAGE.
2. EACH CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DAMAGE TO OTHER WORK CAUSED BY HIS WORK OR THROUGH THE NEGLIGENCE OF HIS, OR HIS SUB-TRADE'S PERSONNEL, ALL PATCHING, REPAIRING, REPLACEMENT AND PAINTING, ETC. SHALL BE DONE AS DIRECTED BY THE OWNER BY THE CRAFTSMEN OF THE TRADES INVOLVED. THE COSTS OF SUCH WORK SHALL BE PAID BY THE CONTRACTOR CAUSING THE DAMAGE.
3. IT IS ESSENTIAL THAT ALL WORK AT THE PROJECT BE DONE AT SUCH TIME AND IN SUCH MANNER AS NOT TO INTERFERE WITH THE OPERATIONS OF THE SPACE, ADJACENT SPACES, OR FACILITY. A WORK SCHEDULE SHALL BE ARRANGED WITH THE OWNER, INCLUDING PREMIUM TIME WORK TO FACILITATE WORK WITH A MINIMUM OF INTERFERENCE TO THE OWNER'S OPERATIONS.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL REQUIREMENTS WITH OTHER TRADES, SUCH AS CONCEALED CONDUIT SPACES, PENETRATIONS, DIMENSION OF EQUIPMENT, ETC. TO ENSURE AN APPROPRIATE AND PROTECTIVE TRIM FOR EQUIPMENT LOCATIONS AND MEASUREMENTS THAT REQUIRE IT TO PROPERLY FIT THE TYPES OF CEILING, WALL, OR FLOOR FINISHES ACTUALLY INSTALLED, ALL FINAL TRIM SELECTIONS SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS.
5. CONTRACTOR SHALL VERIFY EQUIPMENT FITS IN SPACES SHOWN PRIOR TO ROUGH-IN AND INSTALLATION.

E. METHODS

1. EXCAVATIONS SHALL BE MADE IN OPEN TRENCHES. FLOORS SHALL BE SAW CUT. CONDUIT SHALL BE LAID ON AN APPROPRIATELY GRADED 6" BED OF CLEAN AND DRY SAND. ENGINEERED FILL SHALL BE USED TO BACKFILL TO 6" ABOVE THE CONDUIT. BACKFILL THE REMAINDER OF THE TRENCH UTILIZING THE EXCAVATED MATERIAL IF APPROVED BY THE ARCHITECT OR THE OWNER. IF THE EXCAVATED MATERIALS ARE NOT ACCEPTABLE, ENGINEERED FILL ACCEPTABLE TO THE ARCHITECT SHALL BE UTILIZED TO BACKFILL THE REMAINDER OF THE TRENCH. BACKFILL SHALL BE ACCOMPLISHED IN 9" LIFTS WITH ALL LIFTS COMPACTED TO 95% PROCTOR. PATCH FLOOR TO MATCH EXISTING.
2. EQUIPMENT, CONDUIT, ETC. SHALL NOT BE SUPPORTED FROM ANY CEILINGS, OTHER PIPING, OTHER CONDUIT OR DUCTWORK, ROOF DECK, OR JOIST BRIDGING. ITEMS SHALL BE SUPPORTED FROM ACCEPTABLE STRUCTURAL BUILDING COMPONENTS AS DETERMINED BY THE ARCHITECT AND STRUCTURAL ENGINEER.
3. ALL ROOF PENETRATIONS, FLASHINGS AND COUNTER FLASHINGS SHALL BE PERFORMED BY THE OWNER'S ROOFING CONTRACTOR AT THE REQUESTING CONTRACTORS COST. PENETRATIONS SHALL BE MADE WITHIN MECHANICAL EQUIPMENT CURBS WHEN POSSIBLE.
4. ALL EQUIPMENT AND MATERIALS SHALL BE SAFELY STORED AND PROTECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION, UNTIL INSTALLATION. PLUG OR CAP OPEN ENDS OF CONDUIT WHILE STORED TO PREVENT DIRT AND DEBRIS FROM ENTERING.

F. SUBMITTALS

1. SHOP DRAWINGS SHALL BE PROVIDED TO THE ARCHITECT OF ALL EQUIPMENT AND ACCESSORIES PROVIDED FOR THE PROJECT WHETHER SPECIFIED HERE-IN OR ON THE DRAWINGS. REVIEW OF THE SHOP DRAWINGS SHALL BE FOR GENERAL DESIGN CONCEPT AND ADHERENCE WITH THE SPECIFICATIONS. QUANTITY OF SHOP DRAWINGS SUBMITTED SHALL BE AS SPECIFIED BY THE ARCHITECT. SHOP DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR SHOWING LOCATIONS AND MEASUREMENTS FROM COLUMNS OF ALL CONCEALED AND EXPOSED PIPING, DUCTWORK, CONDUIT, EQUIPMENT, ACCESSORIES, ETC., AND SUBMITTED PRIOR TO INSTALLATION. THE OWNER MAY MAKE REPRODUCIBLE COPIES OF THEIR DRAWINGS AVAILABLE FOR USE IN PREPARATION OF SHOP DRAWINGS, HOWEVER THE OWNER SHALL NOT BE HELD RESPONSIBLE FOR NOT CONFIRMING ALL INFORMATION ON THE DRAWINGS PRIOR TO FABRICATION AND/OR INSTALLATION.
2. AT A MINIMUM, SUBMITTALS SHALL BE PROVIDED FOR ALL LIGHT FIXTURES, LIGHTING CONTROLS, AND ALL ELECTRICAL DISTRIBUTION EQUIPMENT SUCH AS PANELBOARDS/SWITCHBOARDS, DISCONNECTS, TRANSFORMERS, ETC. SHOP DRAWINGS SHALL BE SUBMITTED FOR LOW VOLTAGE SYSTEMS SUCH AS FIRE ALARM, LIGHTNING PROTECTION, ETC. SUBMITTALS AND SHOP DRAWINGS SHALL NOT CONTAIN THE ENGINEER'S NAME ON DOCUMENTS.
3. PROJECT RECORD DOCUMENTS - MAINTAIN AT THE JOBSITE ONE COPY OF ALL CONTRACT DOCUMENTS CLEARLY MARKED AS "PROJECT RECORD COPY". THESE RAWINGS ARE TO BE MAINTAINED IN GOOD CONDITION, UPDATED DAILY FOR CHANGES ENCOUNTERED AND AVAILABLE AT ALL TIMES FOR INSPECTION BY THE OWNER. DO NOT USE FOR FIELD CONSTRUCTION! PROJECT RECORD DOCUMENTS ARE TO BE KEPT CURRENT WITH EXACT DIMENSIONS OF ALL WORK, EQUIPMENT, DISTRIBUTION CONDUIT, CIRCUITS, ETC. MARK ALL INFORMATION IN RED LINES AND NOTES SO AS TO BE EASILY IDENTIFIED FROM THE BASE DRAWING. UPON COMPLETION OF THE WORK, ONE SET OF THESE DOCUMENTS SHALL BE TURNED OVER TO THE OWNER AS ONE QUALIFICATION FOR FINAL PAYMENT.
4. THREE COMPLETE SETS OF AS-BUILT DOCUMENTATION SHALL BE PROVIDED. IT SHALL INCLUDE, BUT NOT BE LIMITED TO ACCURATE PLAN DRAWINGS, WIRING DIAGRAMS AND OPERATION AND MAINTENANCE MANUALS.

G. WARRANTIES

1. WARRANTIES SHALL BE PROVIDED FOR EQUIPMENT BASED ON ARCHITECT'S REQUIREMENTS STATED IN THEIR SPECIFICATIONS.

II. PRODUCTS

A. CONDUIT

1. CONDUIT SHALL BE HEAVY WALL RIGID GALVANIZED STEEL WHERE EXPOSED AND SUBJECT TO DAMAGE, 8'-0" AFF AND BELOW, AND IN WET LOCATIONS WHERE INDICATED ON THE DRAWINGS. UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC AND SHALL BE CONCRETE ENCASED (3" MINIMUM) WHERE INDICATED ON THE DRAWINGS. A TRANSITION SHALL BE MADE TO HEAVY WALL RIGID GALVANIZED STEEL BEFORE PVC CONDUITS PENETRATE THE FLOOR SLAB. INTERIOR CONDUITS SHALL BE ELECTRICAL METALLIC TUBING (EMT). METAL CLAD (MC) CABLE MAY BE USED IF APPROVED BY THE OWNER, AND INSTALLED IN LOCATIONS PERMITTED BY CODE.
2. FLEXIBLE METAL CONDUIT SHALL BE USED FROM OUTLET BOX TO INDIVIDUAL RECESSED LIGHT FIXTURES, AND FOR FINAL CONNECTIONS TO MOTORS AND OTHER DEVICES SUBJECT TO VIBRATION. LIQUID-TIGHT FLEXIBLE METAL CONDUIT SHALL BE USED IN WET LOCATIONS.
3. COORDINATE SLEEVE PENETRATIONS AND FIREFSTOPPING APPLICATION WITH THE APPROPRIATE DISCIPLINE PRIOR TO INSTALLATION.
4. SUPPORT SYSTEMS SHALL BE STEEL SLOTTED CHANNEL. 12-GAUGE, 1-5/8 INCH X 1-5/8 INCH. ACCEPTABLE MANUFACTURERS: HILTI, POWER-STRUT, THOMAS & BETTS CORP, UNISTRUT, COOPER B-LINE, ERICO INTERNATIONAL CORP. FINISHES SHALL BE MADE PER ARCHITECTURAL REQUIREMENTS.
5. CONDUIT SHALL BE INSTALLED CONCEALED ABOVE SUSPENDED CEILINGS OR IN WALLS OR FLOORS WHEREVER POSSIBLE, UNLESS NOTED OTHERWISE.
6. INSTALL CONDUIT PARALLEL AND PERPENDICULAR TO BUILDING LINES. A MAXIMUM OF 45° 90 DEGREE BENDS WILL BE ALLOWED BETWEEN CONNECTIONS. SECURE AND FASTEN CONDUIT IN APPROVED METHOD TO BUILDING STRUCTURAL COMPONENTS, DO NOT CONNECT TO SUSPENDED CEILING SYSTEMS.
7. LOW VOLTAGE CABLING SHALL BE INSTALLED IN EMT WHEN INSTALLED VERTICALLY WITHIN WALLS. STUB CONDUIT UP ABOVE WALL AND PROVIDE BUSHING ON END TO PROTECT WIRE WHILE PULLING.
8. USE BUSHINGS, LOCKNUTS, AND COMPRESSION TYPE FITTINGS FOR FINAL CONNECTIONS OF CONDUIT TO EQUIPMENT.

B. CONDUIT FITTINGS AND BOXES

1. INTERIOR OUTLET BOXES SHALL BE STANDARD GALVANIZED SHEET STEEL TYPE, NOT LESS THAN 14 GAUGE IN THICKNESS, WITH KNOCKOUT OPENINGS, EXTENSIONS, PLASTER RINGS AND COVER PLATES TO ACCOMMODATE THE DEVICES INSTALLED. COVER PLATES SHALL BE SMOOTH PLASTIC TO MATCH DEVICE COLOR. USE STEEL PLATES WITH ROUNDED CORNERS FOR SURFACE BOXES. OUTDOOR (WET LOCATION) OUTLET BOXES SHALL BE CAST ALUMINUM TYPE WITH DEVICE COVERS TO SUIT.
2. OUTLET BOXES SHALL NOT BE LESS THAN 4 INCHES SQUARE, 1-1/2 INCHES DEEP.
3. COUPLINGS AND CONNECTORS FOR EMT SHALL BE DIE CAST ZINC OR STEEL. BUSHING SHALL BE GROUNDING TYPE WITH INSULATING PLASTIC INSERT.

C. WIRE AND CABLE

1. CONDUCTORS FOR POWER AND LIGHTING SHALL BE NEW 600-VOLT, 90°C, TYPE XHHW OR THHN/THWN-2 INSULATION, MINIMUM SIZE #12-AWG, EXCEPT FOR CONTROL WIRING WHICH MAY BE #14-AWG. OTHER SIZES SHALL BE AS NOTED ON THE DRAWINGS. CONDUCTORS SHALL BE COPPER, UNLESS OTHERWISE APPROVED BY THE OWNER. CONDUCTORS #10 AWG AND SMALLER TO BE SOLID COPPER.
2. BRANCH CIRCUIT RUNS EXCEEDING 100 FEET IN TOTAL LENGTH FROM THE PANELBOARD TO THE LAST DEVICE, SHALL BE #10-AWG CONDUCTORS UNLESS OTHERWISE NOTED.
3. COMPRESSION TYPE LUGS AND CONNECTORS SHALL BE USED FOR ALL TERMINATIONS AND SPLICES.
4. ALL LOW VOLTAGE COMMUNICATIONS, FIRE ALARM, DATA, SECURITY, TELEPHONE AND ALL OTHER MISCELLANEOUS LOW VOLTAGE WIRING INSTALLED IN CEILING SHALL BE PLENUM RATED. USE CAT6 CABLE FOR ETHERNET COMMUNICATIONS; WIRING TYPE SHALL BE DETERMINED BY USING SUGGESTED TYPE FROM MANUFACTURER OF THE RESPECTIVE EQUIPMENT.
5. IF NO WIRE SIZE IS SHOWN ON PLANS THEN USE THE ASSOCIATED SIZE AS REQUIRED BY NEC.
6. ALL WIRING TO BE INSTALLED IN APPROVED RACEWAY AND ENCLOSURES.
7. USE INSULATION COLOR SCHEMES AS SUGGESTED IN NEC.
8. AN INSULATED GREEN CONDUCTOR SHALL BE PROVIDED IN EACH RACEWAY FOR GROUND WIRE.

D. WIRING DEVICES

1. DUPLEX RECEPTACLES SHALL BE SPECIFICATION GRADE, GROUNDING TYPE, NEMA 5-20R, RATED FOR 20 AMPS, 125 VOLTS, WITH PROVISIONS FOR BACK AND SIDE WIRING. INTERRUPTER DUPLEX RECEPTACLES SHALL BE PROVIDED WHERE INDICATED. THESE RECEPTACLES SHALL BE PROVIDED WHERE INDICATED. EACH RECEPTACLE THAT REQUIRES GFI PROTECTION SHALL HAVE ITS OWN INTEGRAL GFI, AND NOT BE RELIANT ON AN UPSTREAM GFI RECEPTACLE. A GFI CIRCUIT BREAKER IS ACCEPTABLE.
2. SWITCHES SHALL BE TOGGLE OPERATED, QUIET TYPE, RATED FOR 20 AMPS, 120/277 VOLTS, WITH PROVISIONS FOR BACK AND SIDE WIRING. THREE WAY AND FOUR WAY SWITCHES SHALL BE PROVIDED WHERE INDICATED.
3. DIMMERS SHALL BE LUTRON NOVAT 1 STAR SERIES, OF A RATING, VOLTAGE AND WATTAGE SUITABLE FOR LOAD SERVED, OR APPROVED EQUAL.
5. COLORS OF DEVICES SHALL BE SELECTED BY ARCHITECT.
6. WIRING DEVICES SHALL BE SPECIFICATION GRADE; AS MANUFACTURED BY HUBBELL, PASS & SEYMOUR, ARROW HART, LEVITON AND GENERAL ELECTRIC.
7. LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. DEVICES GROUPED TOGETHER SHALL HAVE SIMILAR FINISH AND BE MOUNTED AT SAME HEIGHT FOR UNIFORMITY.

E. LIGHTING AND RECEPTACLE PANELBOARDS

1. BRANCH CIRCUIT PANELBOARDS SHALL BE DEAD FRONT TYPE, WITH MAIN LUGS OR MAIN OVERCURRENT DEVICE AS INDICATED, BRANCH OVERCURRENT DEVICES AS NOTED AND AN EQUIPMENT GROUND BAR, ALL IN A SURFACE OR FLUSH MOUNTED SHEET STEEL ENCLOSURE. MINIMUM SHORT CIRCUIT CAPACITY SHALL BE 10,000 AMPS SYMMETRICAL FOR 120/208V, AND 18,000 AMPS SYMMETRICAL FOR 277/480V APPLICATION UNLESS NOTED OTHERWISE.
2. CIRCUIT BREAKERS SHALL BE BOLT ON TYPE, WITH MOLDED PLASTIC CASE, 1, 2, OR 3 POLE AS INDICATED, QUICK-MAKE, QUICK-BREAK; AND THERMAL-MAGNETIC TRIP DEVICE.
3. ALL BREAKERS FEEDING HVAC EQUIPMENT SHALL BE HACR RATED, UNLESS OTHERWISE NOTED.
4. ALL BREAKERS IN RESIDENTIAL OCCUPANCIES SHALL BE ARC-FAULT TYPE, UNLESS OTHERWISE NOTED.
5. PANELBOARDS SHALL BE AS MANUFACTURED BY SQUARE D, GENERAL ELECTRIC, SIEMENS, AND CUTLER HAMMER.
6. MULTI-WIRE BRANCH CIRCUITS SHALL BE PROVIDED WITH A MEANS TO SIMULTANEOUSLY DISCONNECT ALL CIRCUITS THAT SHARE A NEUTRAL.

F. DISTRIBUTION TRANSFORMERS

1. TRANSFORMERS SHALL BE ENERGY SAVING TYPE, DRY TYPE, 115 DEGREE RISE WITH 2 TAPS ABOVE AND 4 TAPS BELOW NORMAL VOLTAGE. TRANSFORMERS SHALL BE AS MANUFACTURED BY SQUARE D, GENERAL ELECTRIC, SIEMENS, CUTLER HAMMER, AND ACME.

G. SAFETY SWITCHES AND MOTOR STARTERS

1. SAFETY SWITCHES SHALL BE FUSIBLE OR NON-FUSIBLE AS INDICATED ON THE DRAWINGS. SWITCHES SHALL BE QUICK-MAKE, QUICK-BREAK, HEAVY DUTY VISIBLE BLADE TYPE. ENCLOSURES SHALL BE NEMA 1 TYPE UNLESS OTHERWISE INDICATED ON THE DRAWINGS. NEMA 3R IN WET LOCATIONS. FUSES SHALL BE DUAL ELEMENT - TIME DELAY TYPE.
2. MAGNETIC MOTOR STARTERS SHALL BE COMBINATION TYPE WITH THERMAL OVERLOAD, INTEGRAL FUSED SAFETY SWITCH, H-O-A SELECTOR SWITCH, CONTROL TRANSFORMER, RUNNING PILOT LIGHT, NEMA TYPE 1 ENCLOSURE, AND (2) NORMALLY OPEN AND (2) NORMALLY CLOSED AUXILIARY CONTACTS.
3. ALL MOTORS OVER 1/8 HP SHALL BE PROVIDED WITH THERMAL OVERLOAD PROTECTION. OVERLOAD PROTECTION SHALL BE PROVIDED INTEGRAL WITH THE MOTOR WINDINGS AND/OR MOTOR CONTROLLER (PROVIDED BY OTHERS) UNLESS OTHERWISE INDICATED ON DRAWINGS.
4. SWITCHES AND STARTERS TO BE MANUFACTURED BY SQUARE D, EATON, SIEMENS, OR GENERAL ELECTRIC.
5. DO NOT DOUBLE LUG EQUIPMENT UNLESS SPECIFICALLY DESIGNED FOR IT.

H. LUMINAIRES AND LAMPS

1. ALL LUMINAIRES SHALL BE SPECIFIED ON THE LUMINAIRE SCHEDULE. FIXTURES SHALL BE LED TYPE UNLESS NOTED OTHERWISE.
2. BALLASTS SHALL BE INSTANT START, ELECTRONIC TYPE, CLASS P, "A" SOUND RATING AND MAXIMUM HARMONIC CONTENT OF 10%. DIMMING BALLASTS SHALL BE 3-WIRE TYPE, WITH DIMMING CAPABILITY TO 10% OF RATED FULL OUTPUT.
3. RECESSED LUMINAIRES WITH INCANDESCENT LAMPS SHALL BE PROVIDED WITH THERMAL PROTECTION.
4. FLUORESCENT LAMPS SHALL BE 3500 K UNLESS NOTED OTHERWISE. INCANDESCENT LAMPS SHALL BE 130 VOLT. HIGH INTENSITY DISCHARGE LAMPS SHALL BE COATED.
5. EMERGENCY LIGHTING AS INDICATED, SHALL PROVIDE A MINIMUM OF ONE FOOTCANDLE ALONG THE PATH OF EGRESS. EMERGENCY FIXTURE SUPPLIER SHALL PROVIDE FOOTCANDLE PRINTOUT TO VERIFY EMERGENCY LIGHT LEVELS.
6. ALL FIXTURE / BALLAST / LAMP COMBINATIONS SHALL BE ENERGY SAVING TYPE.

I. SERVICE

1. COORDINATE ALL REQUIREMENTS AND PROVIDE ALL MATERIALS AND SERVICE AS REQUIRED BY UTILITY. COORDINATE METERING AND CURRENT TRANSFORMER REQUIREMENTS, INCLUDING SPECIFICATIONS (RINGS, JAWS, BY-PASS, ETC) AND FINAL LOCATIONS.
2. PROVIDE (2E)-4 INCH CONDUIT (OR AS REQUIRED BY UTILITY) FOR DATA/PHONE SERVICE ENTRANCE INTO THE BUILDING IN LOCATION SHOWN ON PLANS OR IN LOCATION COORDINATED WITH OWNER.
3. MODULAR METER SECTIONS SHALL BE: SQUARE D EZ-METER-PAK OR APPROVED EQUAL BY SIEMENS, EATON, GENERAL ELECTRIC. VERIFY UTILITY HEIGHT REQUIREMENTS OF METERS PRIOR TO ORDERING EQUIPMENT.
4. ALL MAIN CIRCUIT BREAKERS FOR SERVICE SHALL BE RATED FOR AVAILABLE FAULT CURRENT AND BE RATED AT 100% OF ITS CURRENT RATING.
5. ALL CIRCUIT BREAKERS RATED 1200 AMPS OR MORE SHALL HAVE AN ENERGY REDUCTION METHOD COMPLIANT WITH NEC 240.87.
6. ALL MAIN CIRCUIT BREAKERS FOR SERVICES ABOVE 150V TO GROUND AND RATED 1000A OR MORE SHALL HAVE GROUND FAULT PROTECTION PER NEC 210.13.
5. SURGE PROTECTIVE DEVICES ARE TO BE INSTALLED IN ALL SERVICE ENTRY DISTRIBUTION EQUIPMENT. SURGE PROTECTION SHALL BE 20KA FOR SERVICE EQUIPMENT.

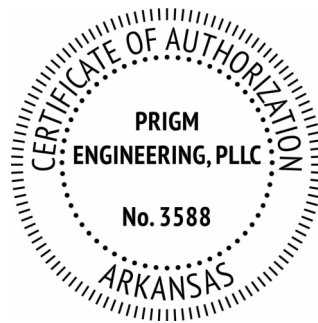
III. EXECUTION

A. GENERAL MISCELLANEOUS

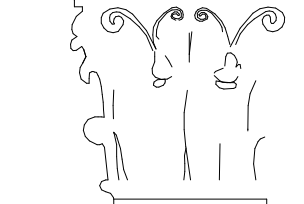
1. ALL CONDUIT RUN IN FINISHED AREAS SHALL BE CONCEALED. CONDUIT SMALLER THAN 3/4" SHALL NOT BE USED FOR ANY CIRCUIT HOMERUNS.
2. RACEWAYS EXPOSED TO DIFFERENT TEMPERATURES SHALL BE FILLED WITH AN APPROVED MATERIAL IN ACCORDANCE WITH ARTICLE 300.7 OF THE NATIONAL ELECTRICAL CODE.
3. HANGERS, SUPPORTS, OR FASTENINGS SHALL BE PROVIDED AT EACH ELBOW, AT THE ENDS OF STRAIGHT RUNS TERMINATING AT BOXES OR CABINETS, AND AT INTERMEDIATE POINTS AS REQUIRED BY CODE. CONDUITS OR BOXES SHALL NOT BE SUPPORTED BY CEILING SUPPORT WITH SUPPORTING HARDWARE.
4. FIXTURE SUPPORTS SHALL BE IN ACCORDANCE WITH ARTICLE 410-30 OF THE NATIONAL ELECTRICAL CODE, OR ANY LOCAL CODES WHICH MY APPLY.
5. PROVIDE PERMANENT NAMEPLATES WITH DESIGNATIONS FOR PANELBOARDS, FEEDER DEVICES, DISTRIBUTION EQUIPMENT AND STARTERS. NAMEPLATES TO BE ENGRAVED, CONTRASTING COLOR, LAMINATED PLASTIC INDICATING THE NAME OF THE EQUIPMENT, LOAD, OR CIRCUIT AS SHOWN ON THE DRAWINGS. IT SHALL BE ADHERED WITH FIELD-APPLIED EPOXY ADHESIVE, COMPATIBLE WITH THE EQUIPMENT FINISH.
6. PROVIDE TYPEWRITTEN DIRECTORY CARDS WITH BRANCH CIRCUIT IDENTIFICATION FOR BRANCH CIRCUIT PANELBOARDS, PANELBOARDS, FEEDER DEVICES, DISTRIBUTION EQUIPMENT AND STARTERS SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS IN ACCORDANCE WITH NEC 110.16.
7. INSTALL HANDLE GUARDS ON ALL BREAKERS FOR NIGHT LIGHTING, EMERGENCY AND SIMILAR CIRCUITS.
8. THE ELECTRICAL CONTRACTOR SHALL BALANCE PANELBOARD LOADING TO WITHIN 10% ON EACH PHASE BASED ON INSTALLED CONDITIONS. LOAD BALANCING CIRCUIT CHANGES SHALL BE PERFORMED OUTSIDE THE NORMAL OCCUPANCY WORKING SCHEDULE AND AT A TIME DIRECTED BY LANDLORD.
9. ALL FLUSH MOUNTED PANELBOARDS SHALL HAVE (3) 3/4" EMPTY CONDUITS INSTALLED TO ABOVE ACCESSIBLE CEILING FOR FUTURE USE.
10. THE FINAL LOCATIONS OF ALL EQUIPMENT, OUTLETS, ETC. SHALL BE SUBJECT TO REASONABLE CHANGES IN LOCATION UP TO THE TIME OF ROUGHING-IN, AT NO ADDITIONAL COST TO THE OWNER.
11. CONTACT ELECTRIC POWER COMPANY AND MAKE NECESSARY ARRANGEMENTS FOR ELECTRIC SERVICE.
12. CONTACT TELEPHONE COMPANY AND MAKE NECESSARY ARRANGEMENTS FOR TELEPHONE SERVICE.
13. AT ALL TIMES KEEP PREMISES AND BUILDING IN A NEAT AND ORDERLY CONDITION, FOLLOWING OWNER'S INSTRUCTION IN REGARD TO STORING OF MATERIALS, PROTECTIVE MEASURES AND DISPOSING OF DEBRIS.
14. RACEWAYS BELOW DRIVEWAYS, PARKING LOTS, AND ANY RACEWAYS INSTALLED BELOW GRADE SHALL BE SCHEDULE 80 PVC AND INSTALLED A MINIMUM OF 24" BELOW FINISHED GRADE PER NEC 300-5.
15. A CONCRETE BASE SHALL BE PROVIDED FOR ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT AND WHERE SPECIFIED IN DRAWINGS. THE BASE SHALL HAVE CHAMFERED EDGES AND IT SHALL BE A MINIMUM OF 2 INCHES GREATER THAN THE FOOTPRINT OF THE EQUIPMENT THAT IT IS SUPPORTING. THE HEIGHT OF THE BASE SHALL BE A MINIMUM OF 4 INCHES.
16. PRIOR TO START-UP, ALL SCREWS, BOLTS, TERMINATIONS, CONNECTIONS, ETC SHALL BE CHECK FOR PROPER TIGHTNESS AND ANY MOVING PARTS ARE TO BE LUBRICATED PROPERLY. ALL EQUIPMENT SHALL BE TESTED FOR PROPER OPERATION. ADJUSTMENTS AND ALIGNMENTS SHALL BE MADE AS NECESSARY.

B. GROUNDING

1. GROUND ALL CONDUITS, CABINETS, MOTORS, PANELS, AND OTHER EXPOSED NON-CURRENT CARRYING PARTS OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC ARTICLE 250.
2. BOND METAL WATER PIPING AND OTHER METAL PIPING (INCLUDING GAS PIPING) AND EXPOSED STRUCTURAL METAL IN ACCORDANCE WITH NEC ARTICLE 250.
3. GROUNDING OF THE ELECTRICAL SYSTEM SHALL BE BY MEANS OF AN INSULATED GROUNDING CONDUCTOR INSTALLED WITH ALL FEEDERS AND BRANCH CIRCUIT CONDUCTORS IN ALL CONDUITS.
4. CONNECTIONS/TERMINATIONS FOR GROUNDING SHALL BE IN ACCORDANCE WITH NEC.



310 W. DICKSON ST., SUITE 210
FAYETTEVILLE, AR 72701
479.877.3188 | WWW.PRIGM.COM



921 S Oak Hill Ste. 1
Rogers, AR 72758
479.631.5817 PH
dan@dt-architect.com



Clayton P. Burdette

02.04.2026

General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



**PACKAGING
SPECIALTIES, INC.**
Celebrating 50 years Est. 1974

1755 S Armstrong Ave
Fayetteville, Arkansas

Sheet Contents:

Drawing Name: ELECTRICAL SPECIFICATIONS
Date: 02.04.2026
Revisions:

Sheet Number:

E0.0

ELECTRICAL SYMBOLS LEGEND	
(SYMBOLS APPLY ONLY WHEN USED ON DRAWINGS)	
SYMBOL	DESCRIPTION
	RECESSED CAN LIGHT FIXTURE
	FLUORESCENT OR LED FIXTURE
	TRACK LIGHTING
	EXIT FIXTURE (WALL MOUNTED/CEILING MOUNTED)
	SWITCH, SINGLE POLE
	SWITCH, 3-WAY
	SWITCH, DIMMER, TO BE COMPATIBLE WITH LIGHT TYPE AND LOAD
	SINGLE POLE TIMER SWITCH (PARAGON MODEL #ET1100F)
	3-WAY TIMER SWITCH (PARAGON MODEL #ET1100F/3-WAY)
	SWITCH, MANUAL MOTOR
	SWITCH, OCCUPANCY SENSOR, WALL MOUNT
	SWITCH, OCCUPANCY SENSOR AND DIMMER COMBO, WALL MOUNT
	RECEPTACLE, DUPLEX
	RECEPTACLE, DUPLEX, ISOLATED GROUND
	RECEPTACLE, DUPLEX, GFI
	OCCUPANCY SENSOR, CEILING MOUNT
	POWER PACK FOR LIGHTING CONTROLS
	RECEPTACLE, DUPLEX, CEILING MOUNTED (FIELD VERIFY EXACT LOCATION) INSTALL FLUSH IN CEILING IN AREAS WITH FINISHED CEILINGS
	RECEPTACLE, DUPLEX FLUSH FLOOR
	RECEPTACLE, DUPLEX ISOLATED GROUND FLUSH FLOOR
	RECEPTACLE, SPECIAL FLUSH FLOOR
	RECEPTACLE, DOUBLE DUPLEX
	RECEPTACLE, SIMPLEX TWIST LOCK, LS-1SR, UNO
	RECEPTACLE, DUPLEX TWIST LOCK, LS-1SR, UNO
	RECEPTACLE, SPECIAL
	RECEPTACLE, SIMPLEX
	DATA OUTLET, CAT 6 OR PER SPECS
	TELEPHONE OUTLET
	TELEVISION OUTLET, CONFIRM CABLE TYPE PRIOR TO INSTALLATION
	DATA OUTLET & PHONE OUTLET, CAT 6 OR PER SPECS
	JUNCTION BOX
	JUNCTION BOX (FLUSH FLOOR MOUNTED)
	GENERIC JUNCTION BOX OR PULL BOX AS APPLICABLE. SEE DRAWINGS FOR MORE SPECIFIC APPLICATION INFORMATION
	EQUIPMENT CONNECTION POINT (PROVIDED WITH EQUIPMENT)
	NON-FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	HOME-RUN (WITH CIRCUIT NUMBER(S) WHERE APPLICABLE) CIRCUIT NUMBERS ARE ALSO SHOWN WITHOUT HOMERUN
	CIRCUIT, CONCEALED IN SLAB FLOOR
	CABLING/RACEWAY - CEILING OR WALL - SEE SPECS. FOR APPL CONDUIT/RACEWAY REQ'TS. (FULLY CONCEALED IN FINISHED AREAS, CONCEALED TO OVERHEAD STRUCTURE IN UNFIN. AREAS)
	CONDUIT SLEEVE
	FLUSH MOUNTED PANELBOARD
	SURFACE MOUNTED PANELBOARD
	MOTOR
	TELEPOWER POLE (TUBE-STEEL CHASE FURNISHED BY OWNER, INSTALLED BY E.C.) SEE POWER PLANS FOR FURTHER INFORMATION
	PUSH BUTTON
	BUZZER
	INDICATES GROUNDING BY E.C. PER N.E.C. ARTICLE 250 MINIMUM
	TV BOX: PROVIDE POWER, CAT 6 AND COAX RECEPTACLES IN RECESSED 3-GANG BOX.

ABBREVIATIONS	
AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
AL	ALUMINUM
BAS	BUILDING AUTOMATION SYSTEM
BFF	BELOW FINISHED FLOOR
CU	COPPER
DDC	DIRECT DIGITAL CONTROL
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EM	EMERGENCY LIGHTING
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
GC	GENERAL CONTRACTOR
GFCI/GFI	GROUND FAULT CIRCUIT INTERRUPTER
GR	GROUND
IG	ISOLATED GROUND
HD	HAND DRYER
LTG	LIGHTING
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MFR	MANUFACTURER
MIN	MINIMUM
MLO	MAIN LUG ONLY
NL	NIGHT LIGHT
PC	PLUMBING CONTRACTOR
PNLBD	PANELBOARD
RC	REFRIGERATION CONTRACTOR
RC	RECEPTACLES
REF	REFERENCE
RH	RADIANT HEATER
RTU	ROOF TOP UNIT
SC	SECURITY CAMERA
TYP	TYPICAL
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
WH	WATER HEATER
WP	WEATHER PROOF COVERPLATE
WR	WEATHER RESISTANT RECEPTACLE
XFMR	TRANSFORMER

FIRE ALARM SYMBOLS LEGEND	
(SYMBOLS APPLY ONLY WHEN USED ON DRAWINGS)	
SYMBOL	DESCRIPTION
	FIRE ALARM MANUAL STATION. PROVIDE PROTECTION DEVICE.
	ADA COMPLIANT FIRE ALARM SPEAKER WITH STROBE LIGHT, UNLESS NOTED OTHERWISE.
	CEILING MOUNTED SMOKE DETECTOR
	CEILING MOUNTED SMOKE DETECTOR/CARBON MONOXIDE COMBINATION UNIT
	DUCT MOUNTED SMOKE DETECTOR. FURNISHED AND CONNECTED BY ELECTRICAL CONTRACTOR. INSTALLED BY MECHANICAL CONTRACTOR. CUTTING OF DUCT, INSTALLATION OF DETECTOR, AND DETERMINATION OF SAMPLING TUBE LENGTH SHALL BE THE MECHANICAL CONTRACTOR'S RESPONSIBILITY. PROVIDE REMOTE INDICATING LIGHT WITH EACH DETECTOR.
	CEILING MOUNTED HEAT DETECTOR
	SPRINKLER SYSTEM FLOW SWITCH
	SPRINKLER SYSTEM TAMPER SWITCH
	SMOKE DAMPER. FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR, CONNECTED TO FIRE ALARM SYSTEM BY ELECTRICAL CONTRACTOR.
	MAGNETIC DOOR HOLDER. PROVIDED BY GENERAL CONTRACTOR. INSTALLED BY ELECTRICAL CONTRACTOR. PROVIDE A SMOKE DETECTOR WITHIN 5 FT OF BOTH SIDES OF DOORS TO LOCALLY ACTIVATE DOOR UPON SMOKE SIGNAL.
	FIRE ALARM REMOTE GRAPHIC ANNUNCIATOR
	FIRE ALARM CONTROL PANEL WITH LOCAL SMOKE DETECTOR.
	CARBON MONOXIDE DETECTOR
	ADA COMPLIANT FIRE ALARM STROBE LIGHT, UNLESS NOTED OTHERWISE.

GENERAL POWER/LIGHTING NOTES	
A	PROVIDE SEALS AT RACEWAY PENETRATIONS AS FOLLOWS: A. FIRE RATED WALLS: SEAL PER SPECIFICATIONS FOR FIRE STOPPING. B. NEUTRALIZATION AREA: SEAL PER MECHANICAL DETAILS. C. EXTERIOR: REFER TO ARCHITECTURAL DOCUMENTS FOR SEALING REQUIREMENTS AT ALL EXTERIOR MOUNTED DEVICES, FIXTURES, ENCLOSURES, AND RACEWAY PENETRATIONS.
B	PROVIDE A SEPARATE EQUIPMENT GROUNDING CONDUCTOR (SIZE PER NEC) IN ALL CONDUIT AND RACEWAYS. CONDUIT SHALL BE SIZED PER NEC BASED ON THWN 600 VOLT COPPER SINGLE CONDUCTORS, PLUS THE EQUIPMENT GROUNDING CONDUCTOR.
C	WIRING DEVICES: DEVICE MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO CENTER OF OUTLET BOX UNLESS NOTED OTHERWISE ON PLANS. COORDINATE THE STANDARD MOUNTING HEIGHTS WITH MASONRY: A. SWITCHES +48" B. RECEPTACLES +18" C. VOICE/DATA +18" OR AS NOTED ON PLANS
D	WIRING SHALL INCLUDE FINAL CONNECTION TO ALL EQUIPMENT IN CONFORMANCE WITH EQUIPMENT SUPPLIER WIRING DIAGRAMS.
E	CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE PANELBOARD IDENTIFICATIONS SCHEDULES.
F	BRANCH CIRCUIT CONDUCTORS SHALL BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE IN SCHEDULES. WHERE 20A BRANCH CIRCUITS HAVE #8 AND LARGER WIRE SPECIFIED, #10 AWG WIRE SHALL BE USED FOR FINAL CONNECTION (15-FT MAXIMUM).
G	WHERE BRANCH CIRCUITS ARE GROUPED, SIZE CONDUIT AND DERATE CURRENT CARRYING CONDUCTORS PER NEC.
H	PROVIDE HANDLE TIES ON ALL MULTIWIRED BRANCH CIRCUITS TO MEET NEC REQUIREMENTS.
I	ALL EMERGENCY AND EXIT SIGN CIRCUITRY SHALL BE UNSWITCHED.
J	PROVIDE 4"x4", 3/4" FIRE RATED PLYWOOD BACKBOARD WHERE SHOWN ON PLANS OR AS REQUIRED FOR DATA/PHONE, CATV, OR ALARMS. COORDINATE FINAL LOCATION WITH THE RESPECTIVE CONTRACTOR.
K	PROVIDE SURGE PROTECTIVE DEVICE FOR ANY OWNER PROVIDED EQUIPMENT, SUCH AS ACCESS CONTROL SYSTEMS, COMMUNICATIONS SYSTEMS, DATA SYSTEMS, AND SECURITY SYSTEMS.
L	GROUP SWITCHES ADJACENT TO EACH OTHER IN MULTI-GANG BOX. MOUNT SWITCHES AT SAME HEIGHT AS EACH OTHER AND OTHER DEVICES NEARBY FOR A CLEAN LOOK.
M	DIMMER SWITCHES SHALL BE COMPATIBLE WITH LOAD IT'S SERVING. 0-10V LIGHT FIXTURES SHALL BE DIMMED WITH 0-10V DIMMER WITH CONTROL WIRING.
N	ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT FOR ANY MECHANICAL CONTROL CABLING BETWEEN UNITS, CONTROLLERS, THERMOSTATS, ETC. COORDINATE FINAL LOCATIONS WITH MECHANICAL CONTRACTOR.
O	LOW VOLTAGE CABLING IN WALLS OR WHEN EXPOSED SHALL ALWAYS BE ROUTED IN CONDUIT. HORIZONTAL CABLING THAT IS CONCEALED SHALL BE PER OWNER, AHJ, OR ENGINEER REQUIREMENTS.



310 W. DICKSON ST., SUITE 210
FAYETTEVILLE, AR 72701
479.877.3188 | WWW.PRIGM.COM



921 S Oak Hill Ste. 1
Rogers, AR 72758
479.631.6817 PH
dan@dt-architect.com



Clayton P. Burdette
02.04.2026

General Contractor:



3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



1755 S Armstrong Ave
Fayetteville, Arkansas

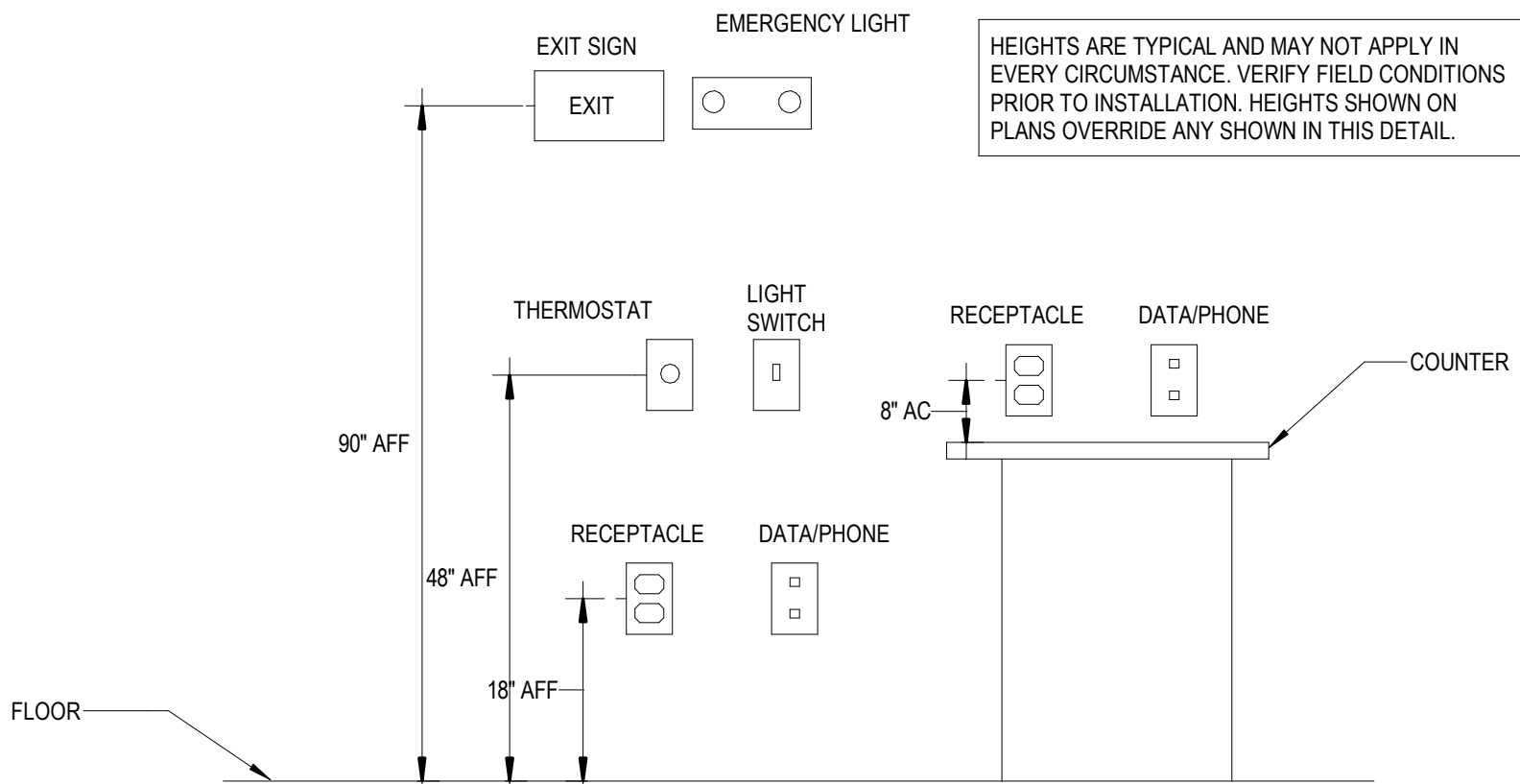
Sheet Contents:

Drawing Name: ELECTRICAL & LIGHTING
Date: NOTES AND SYMBOLS 02.04.2026
Revisions:

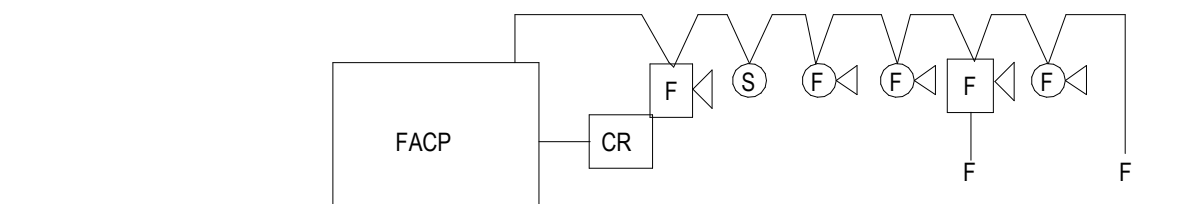
Sheet Number:

E0.1

2 TYPICAL MOUNTING HEIGHTS
NTS



1 FIRE ALARM RISER
NTS



- NOTES:
- ZONE PER NFPA 72 AND MANUFACTURER'S RECOMMENDATIONS WITH NO SINGLE ZONE EXCEEDING 15,000 SQUARE FEET PER FLOOR.
 - FIRE ALARM ENGINEER TO PROVIDE DEFERRED SUBMITTAL CONTAINING EXACT QUANTITY AND DEVICE LOCATIONS. FIRE ALARM DEVICES ON THIS SET OF PLANS IS FOR REFERENCE ONLY.
 - PROVIDE MULTI-TEMPORAL SOUNDING CAPABILITY AT ALL AUDIO DEVICES FOR EMERGENCY NOTIFICATION.
 - THE FIRE ALARM SYSTEM MANUFACTURER SHALL PROVIDE NOTIFICATION APPLIANCE CIRCUIT (NAC) POWER EXTENDERS AS REQUIRED.
 - ALL STROBES WITHIN THE SAME AREA SHALL BE SYNCHRONIZED.
 - FOR ALL DEVICES, PROVIDE 3/4" CONDUIT BACK TO FACP. NO PLENUM RATED CABLE SHALL BE ALLOWED UNLESS ALLOWED BY FIRE MARSHAL.
 - FIRE ALARM INSTALLER SHALL BE NICET CERTIFIED.

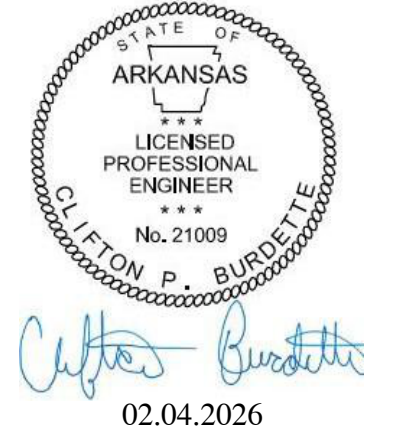


PRIGM
ENGINEERING

310 W. DICKSON ST., SUITE 210
FAYETTEVILLE, AR 72701
479.877.3188 | WWW.PRIGM.COM

Dan Townsley
ARCHITECT

921 S Oak Hill Ste. 1
Rogers, AR 72758
479.631.6817 PH
dan@dt-architect.com



General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



1755 S Armstrong Ave
Fayetteville, Arkansas

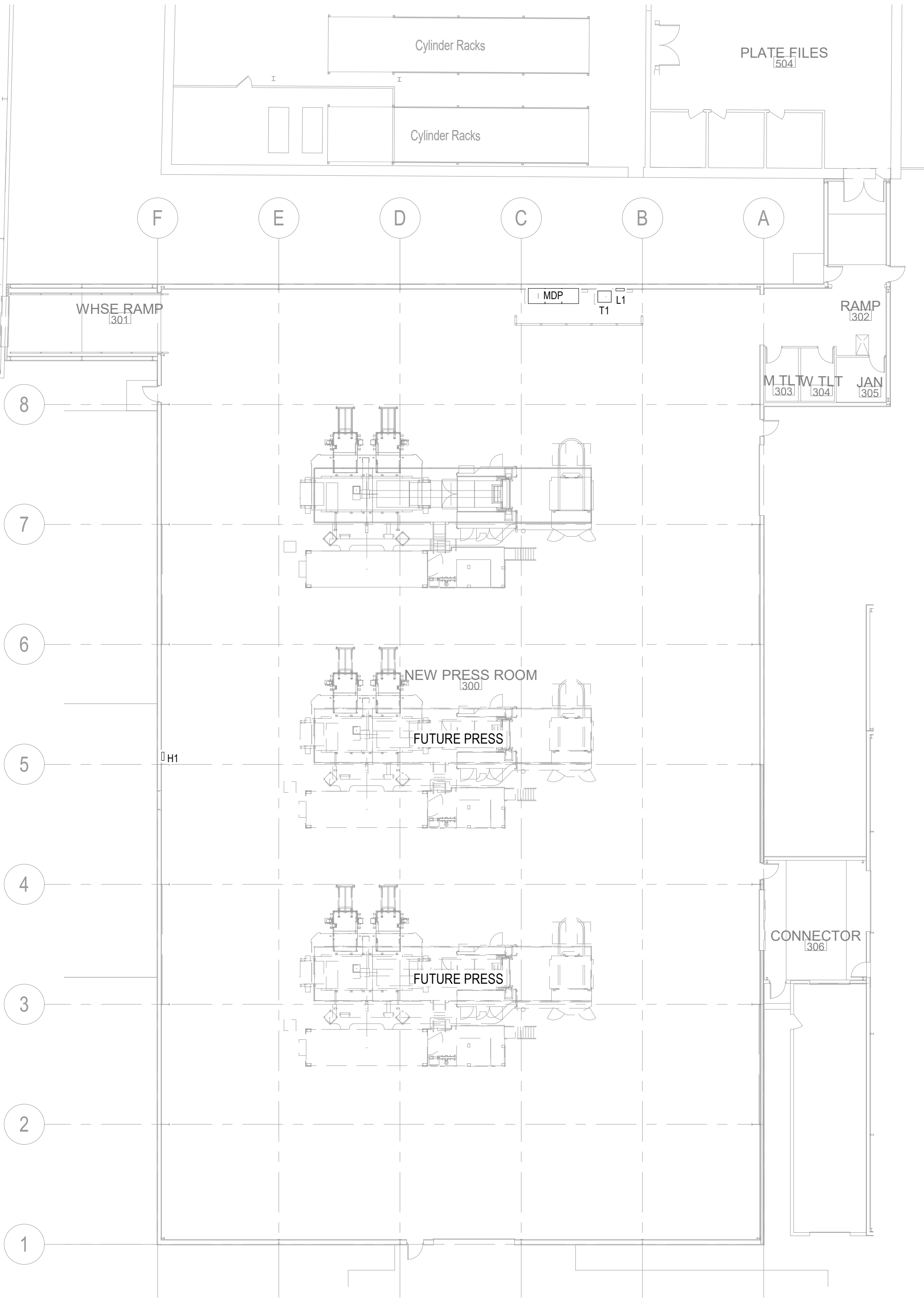
Sheet Contents:

Drawing Name: OVERALL ELECTRICAL PLAN
Date: 02.04.2026
Revisions:

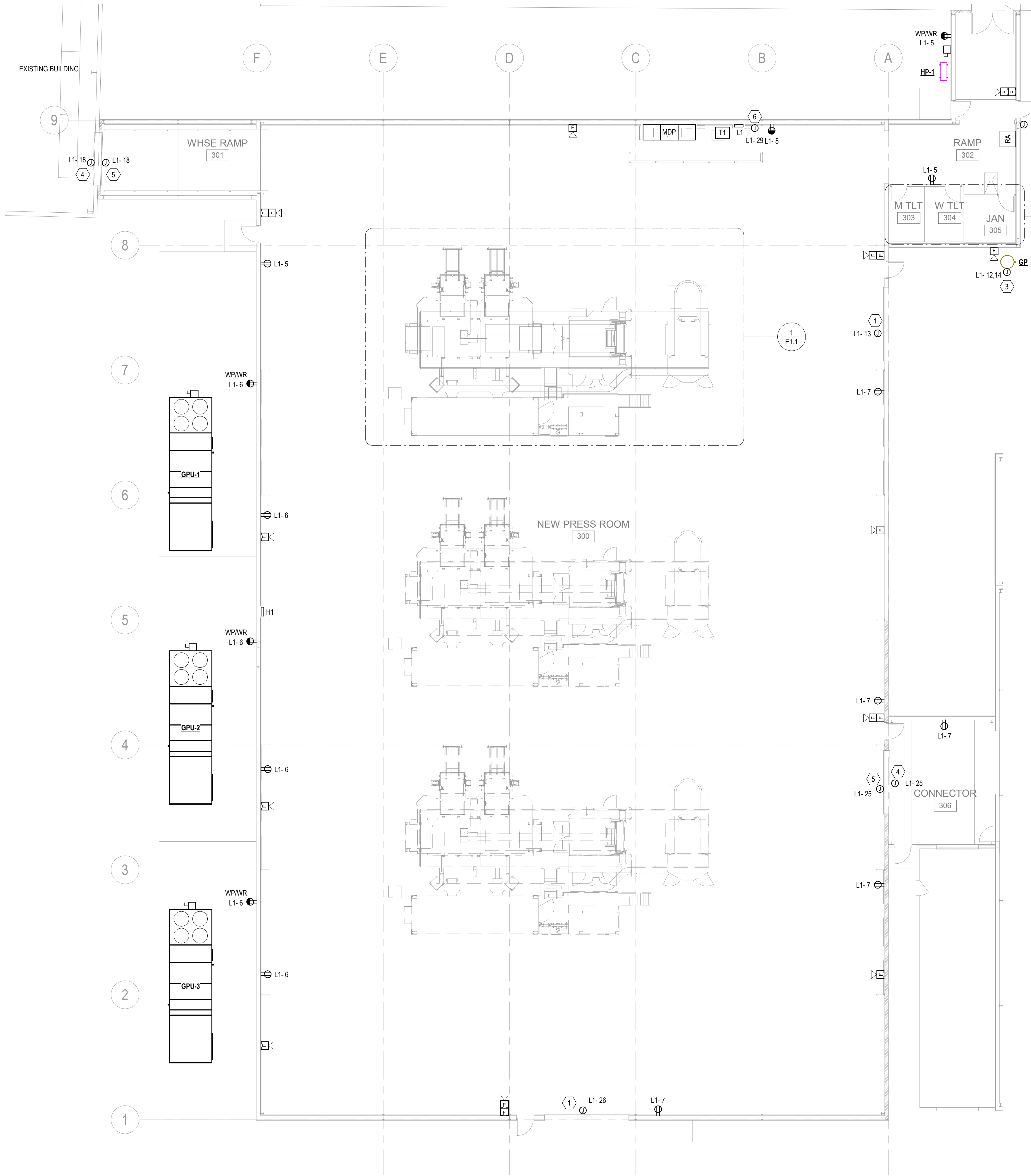
Sheet Number:

E0.2

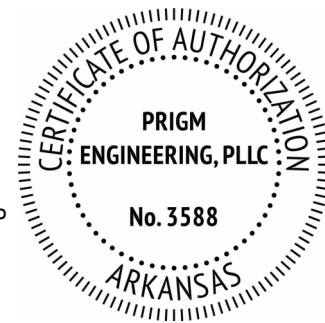
- HAZARDOUS AREAS AROUND THE EQUIPMENT INCLUDE:
1. THE AREA EXTENDING 1 METER IN ALL DIRECTIONS FROM OPENINGS IN THE ON-PRESS INKING SYSTEM AND CARRYING TO THE FLOOR SHALL BE CLASSIFIED CLASS 1 ZONE 2 GROUP IIA (PREVIOUSLY DEFINED AS DIVISION 2 GROUP D)
 2. THE AREA EXTENDING HORIZONTALLY ALONG THE FLOOR FROM THE EDGE OF THE ABOVE LISTED AREA FOR AN ADDITIONAL 2 METERS AT A HEIGHT OF 500 MM SHALL BE CLASSIFIED CLASS 1 ZONE 2. THIS AREA IS ALLOTTED FOR POSITIONING OF INK BUCKETS.
 3. THE AREA ABOUT THE INK BUCKETS RADIALY FOR 300 MM SHALL BE CLASSIFIED CLASS 1 ZONE 1. AN ADDITIONAL AREA EXTENDING 1 METER BEYOND THIS SHALL BE CLASSIFIED CLASS 1 ZONE 2. THIS AREA MAY BE REDUCED OR ELIMINATED BY PROPER VENTILATION METHODS.



1 OVERALL ELECTRICAL PLAN
1/16" = 1'-0"

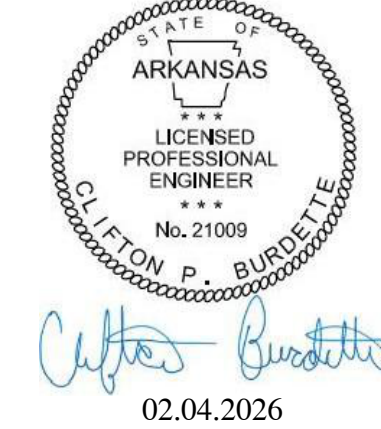


- # KEYNOTES:
- 1 PROVIDE POWER TO MOTORIZED ROLL-UP DOOR. COORDINATE FINAL LOCATION OF POWER TERMINATION WITH MANUFACTURER. INSTALL CONTROL WIRING AND PUSHBUTTON FOR ROLL-UP DOOR. CONTROL WIRING TO BE IN CONDUIT.
 - 3 PROVIDE POWER TO GRINDER PUMP. COORDINATE FINAL CONNECTION WITH MANUFACTURER DRAWINGS.
 - 4 PROVIDE POWER TO MOTORIZED DOOR. COORDINATE FINAL LOCATION OF POWER TERMINATION WITH MANUFACTURER. INSTALL ALL REQUIRED WIRING AND CONTROL WIRING AND PUSHBUTTON. CONTROL WIRING TO BE IN CONDUIT.
 - 5 CONNECT COILING FIRE DOOR TO ALARM SYSTEM AS REQUIRED.
 - 5 PROVIDE POWER TO TEST/RESET UNIT. CONNECT COILING FIRE DOOR TO ALARM SYSTEM AS REQUIRED.
 - 6 PROVIDE ASTRONOMICAL TIMECLOCK/CONTACTOR.
 - 7 PROVIDE SHUNT TRIP IN KNOX BOX. COORDINATE LOCATION WITH FIRE MARSHAL.



PRIGM ENGINEERING
310 W. DICKSON ST., SUITE 210
FAYETTEVILLE, AR 72701
479.877.3188 | WWW.PRIGM.COM

Dan Townsley ARCHITECT
921 S Oak Hill Ste. 1
Rogers, AR 72758
479.631.6817 PH
dan@dt-architect.com



FIRE ALARM DEVICES ARE SHOWN FOR REFERENCE ONLY. THE FINAL FIRE ALARM DESIGN AND PERMITTING SHALL BE DONE BY FIRE ALARM CONTRACTOR.

HAZARDOUS AREAS AROUND THE EQUIPMENT INCLUDE:
1. THE AREA EXTENDING 1 METER IN ALL DIRECTIONS FROM OPENINGS IN THE ON-PRESS INKING SYSTEM AND CARRYING TO THE FLOOR SHALL BE CLASSIFIED CLASS I ZONE 2 GROUP IIA (PREVIOUSLY DEFINED AS DIVISION 2 GROUP D)
2. THE AREA EXTENDING HORIZONTALLY ALONG THE FLOOR FROM THE EDGE OF THE ABOVE LISTED AREA FOR AN ADDITIONAL 2 METERS AT A HEIGHT OF 500 MM SHALL BE CLASSIFIED CLASS I ZONE 2. THIS AREA IS ALLOTTED FOR POSITIONING OF INK BUCKETS
3. THE AREA ABOUT THE INK BUCKETS RADIALY FOR 300 MM SHALL BE CLASSIFIED CLASS I ZONE I. AN ADDITIONAL AREA EXTENDING 1 METER BEYOND THIS SHALL BE CLASSIFIED CLASS I ZONE 2.

ALL RECEPTACLES IN PRESS ROOM TO BE AT LEAST 24" AFF.

CONNECTION SCHEDULE					
TAG	DESCRIPTION	POLES	VOLTAGE	NEMA RATING	PANEL-CIRCUIT
GPU-1	200A DISCONNECT	3	480 V	NEMA 3R	H1-19,21,23
GPU-2	200A DISCONNECT	3	480 V	NEMA 3R	H1-25,27,29
GPU-3	200A DISCONNECT	3	480 V	NEMA 3R	H1-24,26,28
HP-1	30A DISCONNECT	2	240 V	NEMA 3R	L1-2,4

1 POWER PLAN
3/32" = 1'-0"

General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



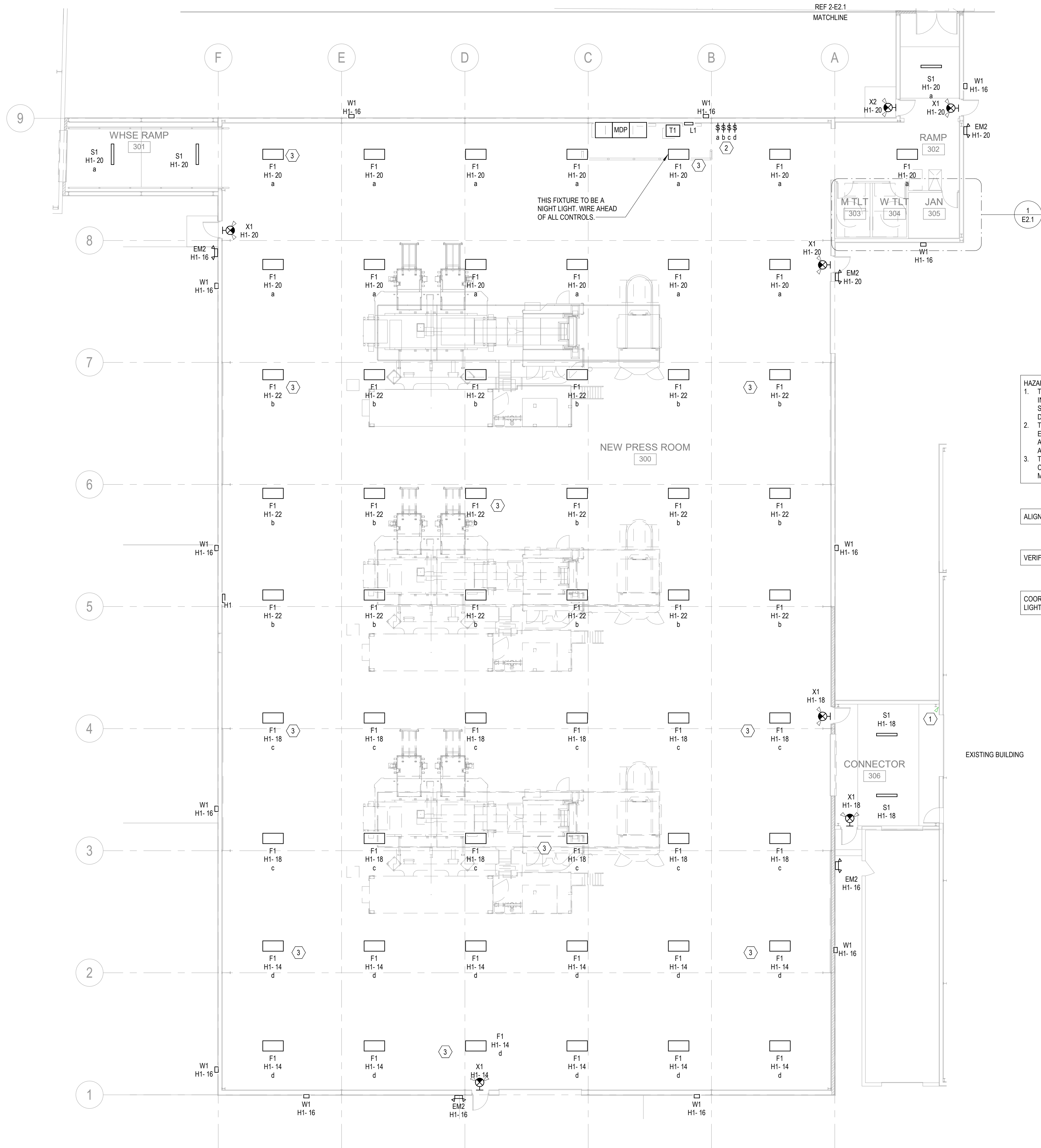
1755 S Armstrong Ave
Fayetteville, Arkansas

Sheet Contents:

Drawing Name: POWER PLAN
Date: 02.04.2026
Revisions:

Sheet Number:

E1.0



- # **KEYNOTES:**
- 1 PROVIDE WALL MOUNTED OCCUPANCY SENSOR.
 - 2 ALL LIGHTING IN NEW PRESS ROOM TO BE CONTROLLED BY TIMECLOCK. SWITCHES a-d ARE 2 HOUR OVERRIDE SWITCHES PER IECC 2009 505.2.2.1.
 - 3 PROVIDE [XYZ] INVERTER TO POWER THIS FIXTURE DURING LOSS OF POWER. TEST SWITCHES TO BE GROUPED IN LOCATIONS DETERMINED BY THE OWNER.
 - 3 PROVIDE MYERS LVM-250 INVERTER TO POWER THIS FIXTURE DURING LOSS OF POWER. TEST SWITCHES TO BE GROUPED IN LOCATIONS DETERMINED BY THE OWNER. MOUNT INVERTER TIGHT TO STRUCTURE. COORDINATE WITH OWNER FOR LOCATION OF TEST SWITCHES.



- HAZARDOUS AREAS AROUND THE EQUIPMENT INCLUDE:
1. THE AREA EXTENDING 1 METER IN ALL DIRECTIONS FROM OPENINGS IN THE ON-PRESS INKING SYSTEM AND CARRYING TO THE FLOOR SHALL BE CLASSIFIED CLASS I ZONE 2 GROUP IIA (PREVIOUSLY DEFINED AS DIVISION 2 GROUP D).
 2. THE AREA EXTENDING HORIZONTALLY ALONG THE FLOOR FROM THE EDGE OF THE ABOVE LISTED AREA FOR AN ADDITIONAL 2 METERS AT A HEIGHT OF 500 MM SHALL BE CLASSIFIED CLASS I ZONE 2. THIS AREA IS ALLOTTED FOR POSITIONING OF INK BUCKETS.
 3. THE AREA ABOUT THE INK BUCKETS RADially FOR 300 MM SHALL BE CLASSIFIED CLASS I ZONE 1. AN ADDITIONAL AREA EXTENDING 1 METER BEYOND THIS SHALL BE CLASSIFIED CLASS I ZONE 2.

ALIGN F1 FIXTURES TO BOTTOM OF STRUCTURE.

VERIFY HEIGHT OF WALL PACKS WITH ARCHITECT.

COORDINATE WITH THE INSTALLATION OF THE PRESS TO ENSURE NO LIGHT FIXTURES GO OVER THE WALKWAY.

PRIGM
ENGINEERING

310 W. DICKSON ST., SUITE 210
FAYETTEVILLE, AR 72701
479.877.3188 | WWW.PRIGM.COM

Dan Townsley
ARCHITECT

921 S Oak Hill Ste. 1
Rogers, AR 72758
479.631.6817 PH
dan@dt-architect.com



General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



1755 S Armstrong Ave
Fayetteville, Arkansas

Sheet Contents:

Drawing Name: LIGHTING PLAN
Date: 02.04.2026
Revisions:

Sheet Number:

E2.0

Copyright ©2026 N A B H O L Z Construction

1 **LIGHTING PLAN**
3/32" = 1'-0"

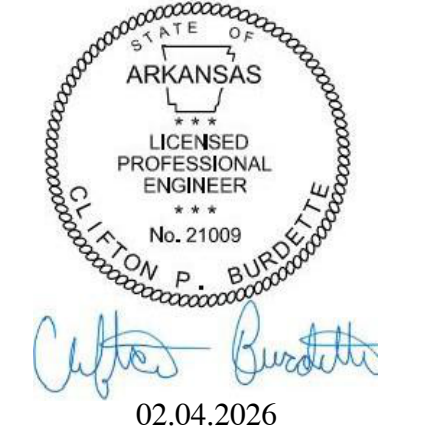
LIGHTING FIXTURE SCHEDULE									
FIXTURE TYPE	DESCRIPTION	MANUFACTURER	MODEL	LOAD	VOLTAGE	COLOR TEMPERATURE	LAMP TYPE	LUMENS	MOUNTING TYPE
A1	WRAPAROUND	LITHONIA	SBL4W 6500LM 80CRI 40K MIN1 GZT MVOLT	53 VA	120/277V	4000K	LED 0-10V DIMMING	6500	SURFACE
EM1	LED EMERGENCY LIGHT, DAMP LOCATION LISTED	EELP	EM25-LED-BLK	2 VA	120/277V	--	LED	--	CEILING/WALL
EM2	LED EMERGENCY LIGHT, WET LOCATION LISTED	EELP	OEM-3-10W	2 VA	120/277V	--	LED	--	CEILING/WALL
F1	HIGH BAY	PQL	55657	192 VA	120/277V	4000K	(8) 4' T5 LED TUBES	3200/LAMP	SURFACE
S1	4' STRIP LIGHT	ARCHIPELAGO	LLSN4-3550CS/RL/MAC	50 VA	120/277V	4000K	LED 0-10V DIMMING	6250	SUSPENDED/SURFACE
W1	WALL PACK - FULL CUTOFF	ENVISION LED	LED-WPFC-5P150-TRI-BL-PC	150 VA	120-277V	SELECTABLE	LED	13050	WALL SURFACE
X1	EXIT SIGN WITH EM HEADS	EELP	XCS2RGW	2 VA	120/277V	--	LED	--	STEM/SURFACE
X2	EXIT SIGN WITH EM HEADS, WET RATED	EELP	SPWLXC-E2RW	2 VA	120-277V	--	LED	--	STEM/SURFACE
ALL LIGHT FIXTURES ARE BASIS OF DESIGN. APPROVAL FROM OWNER REQUIRED PRIOR TO PURCHASING ANY LIGHT FIXTURE. IF ALTERNATE LIGHT FIXTURES ARE CHOSEN, THEY SHALL BE APPROVED BY ENGINEER AS WELL AS OWNER TO BE CONFIRMED AS AN ACCEPTABLE EQUAL. DISTANCES BETWEEN EMERGENCY LIGHTS MAY NEED TO BE REVISED IF DIFFERENT FIXTURE IS SELECTED THAN SHOWN. FOLLOW MANUFACTURER SPACING RECOMMENDATIONS FOR EMERGENCY FIXTURES. FINAL FINISH SELECTIONS TO BE APPROVED BY ARCHITECT.									

KEYNOTES:
1 CIRCUIT TO NEAREST ROOM LIGHTING CIRCUIT AHEAD OF ALL CONTROLS.



PRIGM
ENGINEERING
310 W. DICKSON ST., SUITE 210
FAYETTEVILLE, AR 72701
479.877.3188 | WWW.PRIGM.COM

Dan Townsley
ARCHITECT
921 S Oak Hill Ste. 1
Rogers, AR 72758
479.631.8817 PH
dan@dt-architect.com



General Contractor:

NABHOLZ
Construction Services
3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



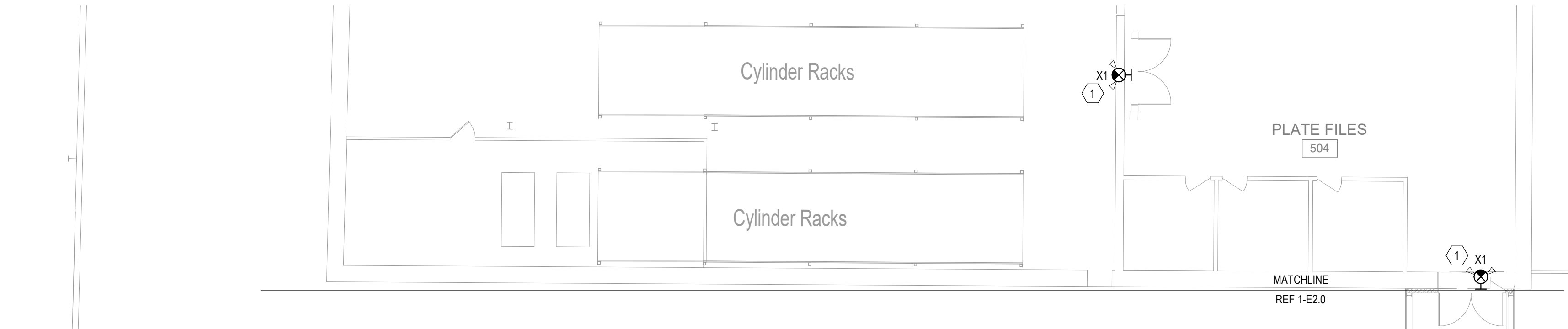
1755 S Armstrong Ave
Fayetteville, Arkansas

Sheet Contents:

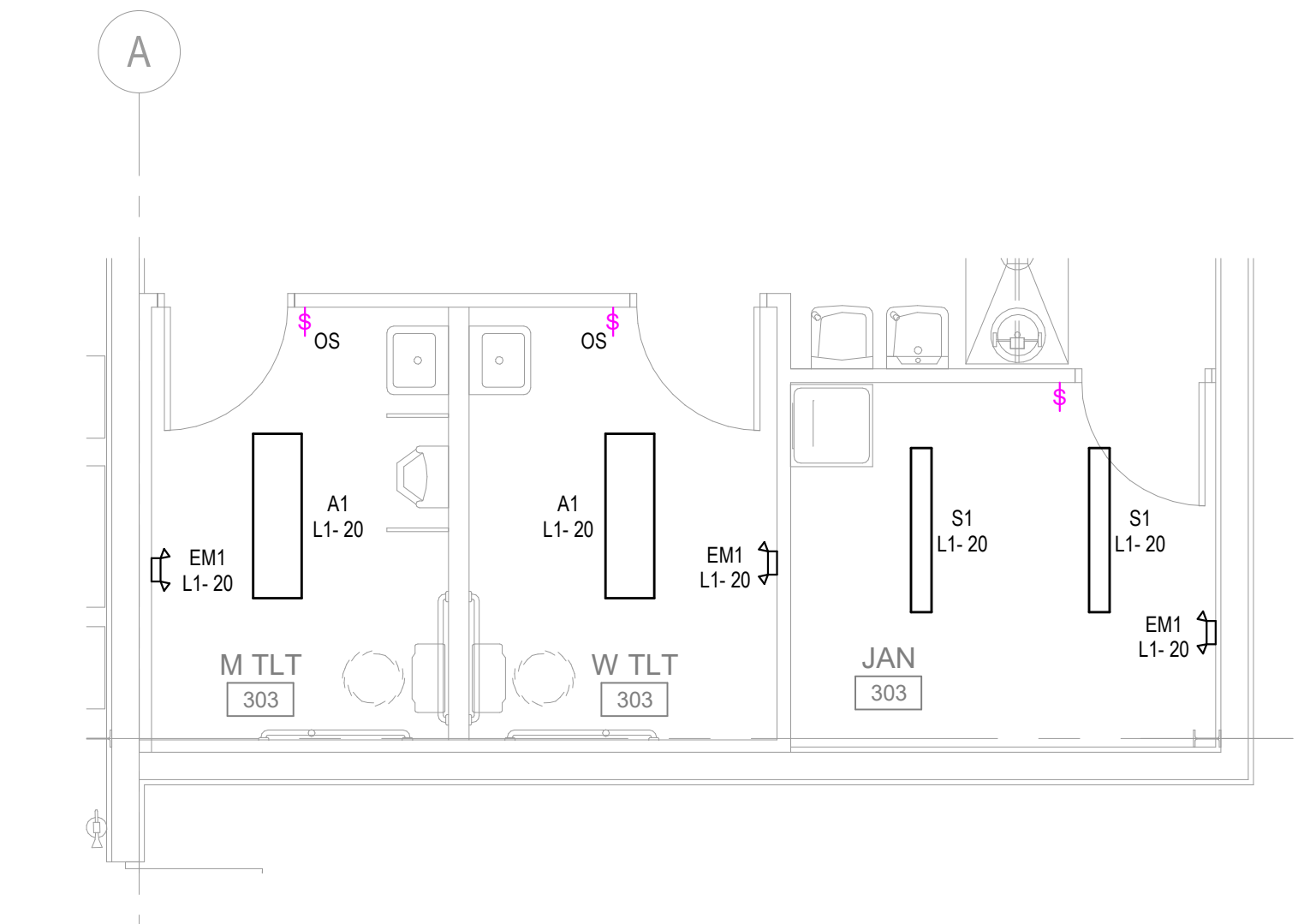
Drawing Name: ENLARGED LIGHTING PLANS
Date: 02.04.2026
Revisions:

Sheet Number:

E2.1



2 ENLARGED LIGHTING PLAN
3/32" = 1'-0"



1 RR/JAN LIGHTING PLAN
1/4" = 1'-0"

MDP

SERVES : GENERAL POWER
LOCATION :

SWITCHBOARD
NEW

480/277V-3PH,4W, 3PH, 4W
FULLY (7)
2500A GFCI M.C.B.
SERVICE ENTRANCE RATED
NEMA 1
SHUNT TRIP BREAKER

	DESCRIPTION	WIRE SIZE	BRKR	PL	A	B	C	COMMENTS
1	PANEL H1 (8)		600 A	3	135.01 kVA	135.31 kVA	132.46 kVA	
2	PANEL L1 VIA XFMR T1 (8)		125 A	3	17.62 kVA	2.60 kVA	17.12 kVA	
3	MAIN PRESS POWER	#600	400 A	3	88.64 kVA	88.64 kVA	88.64 kVA	
4	SPACE	--	--	3	--	--	--	
5	SPACE	--	--	3	--	--	--	
6	SPACE	--	--	3	--	--	--	
7	FUTURE PRESS	--	--	3	--	--	--	
8	FUTURE PRESS	--	--	3	--	--	--	
9	FUTURE PRESS	--	--	3	--	--	--	
10	SPD (13)	--	100 A	3	0.00 kVA	0.00 kVA	0.00 kVA	
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
TOTAL CONNECTED					241.27	226.56	238.22	
TOTAL CONNECTED					877.50 A	817.90	866.49	
TOTAL LOAD					706.05	KVA	849.24	
PER NEC ARTICLE 220 FEEDER LOAD					801.38	KVA	963.91	

PANELBOARD NOTES:

PANELBOARD: L1

LOCATION: NORTH WALL
SUPPLY FROM: T1
MOUNTING: WALL
ENCLOSURE:

NEW

VOLTS: 120/240V-3P,4W
PHASES: 3
WIRES: 4

A.I.C. RATING: Fully (7)
MAINS TYPE: M.C.B.
MAINS RATING: 225 A
REQUIREMENTS: GROUND BAR

NOTES:

CKT	Circuit Description	Trip	Poles	Wire	A		B		C		Wire	Poles	Trip	Circuit Description	CKT
1	AC-1	15	2	#12	0.23	2.38					#12	2	20	HP-1	2
3		--	--	--			0.23	2.38			--	--	--	--	4
5	PRESS RM RECEPTS	20	1	--					0.72	1.08	--	1	20	PRESS RM RECEPTS	6
7	PRESS RM RECEPTS	20	1	--	0.90	0.50					#12	1	20	FIRE ALARM PANEL (3)	8
9	SPACE	--	1	--			--	--			--	1	--	SPACE	10
11	WATER COOLER (4)	20	1	#12					1.20	1.80	#10	2	20	GRINDER PUMP (2,4,6)	12
13	OVERHEAD DOOR (2)	20	1	#12	0.50	1.80					--	--	--	--	14
15	SPACE	--	1	--			--	--			--	1	--	SPACE	16
17	SERVICE PANEL	100	2	#3					9.60	1.00	#12	1	20	AUTOMATIC DOOR (4)	18
19		--	--	--	9.60	0.21					#12	1	20	RESTROOM LIGHTING	20
21	SPACE	--	1	--			--	--			--	1	--	SPACE	22
23	RR RECEPTS	20	1	#12					1.04	0.18	#12	1	20	IWH	24
25	OVERHEAD DOOR (2,6)	20	1	#10	1.00	0.50					#10	1	20	OVERHEAD DOOR (2,6)	26
27	SPACE	--	1	--			--	--			--	1	--	SPACE	28
29	LIGHTING CONTACTOR (2)	20	1	#12					0.50	--	--	1	--	SPACE	30
31	SPARE	20	1	--	0.00	--					--	1	--	SPACE	32
33	SPACE	--	1	--			--	--			--	1	--	SPACE	34
35	SPARE	20	1	--					0.00	--	--	1	--	SPACE	36
37	SPARE	20	1	--	0.00	--					--	1	--	SPACE	38
39	SPACE	--	1	--			--	--			--	1	--	SPACE	40
41	SPARE	20	1	--					0.00	--	--	1	--	SPACE	42
Total Load:					17616 VA		2604 VA		17120 VA						
Total Amps:					147 A		22 A		143 A						

Load Classification	Connected Load	Demand Factor	Demanded Load	Panel Totals
CONTINUOUS	19200 VA	125.00%	24000 VA	
HVAC	5208 VA	100.00%	5208 VA	Total Conn. Load: 37340 VA
LIGHTS	212 VA	125.00%	265 VA	Total Feeder Load: 43093 VA
MOTORS	6800 VA	113.24%	7700 VA	Total Connected Current: 90 A
NON-CONTINUOUS	180 VA	100.00%	180 VA	Total Feeder Current: 104 A
Other	2500 VA	100.00%	2500 VA	
RECEPTS	3240 VA	100.00%	3240 VA	

PANELBOARD: H1

LOCATION: NORTH WALL
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

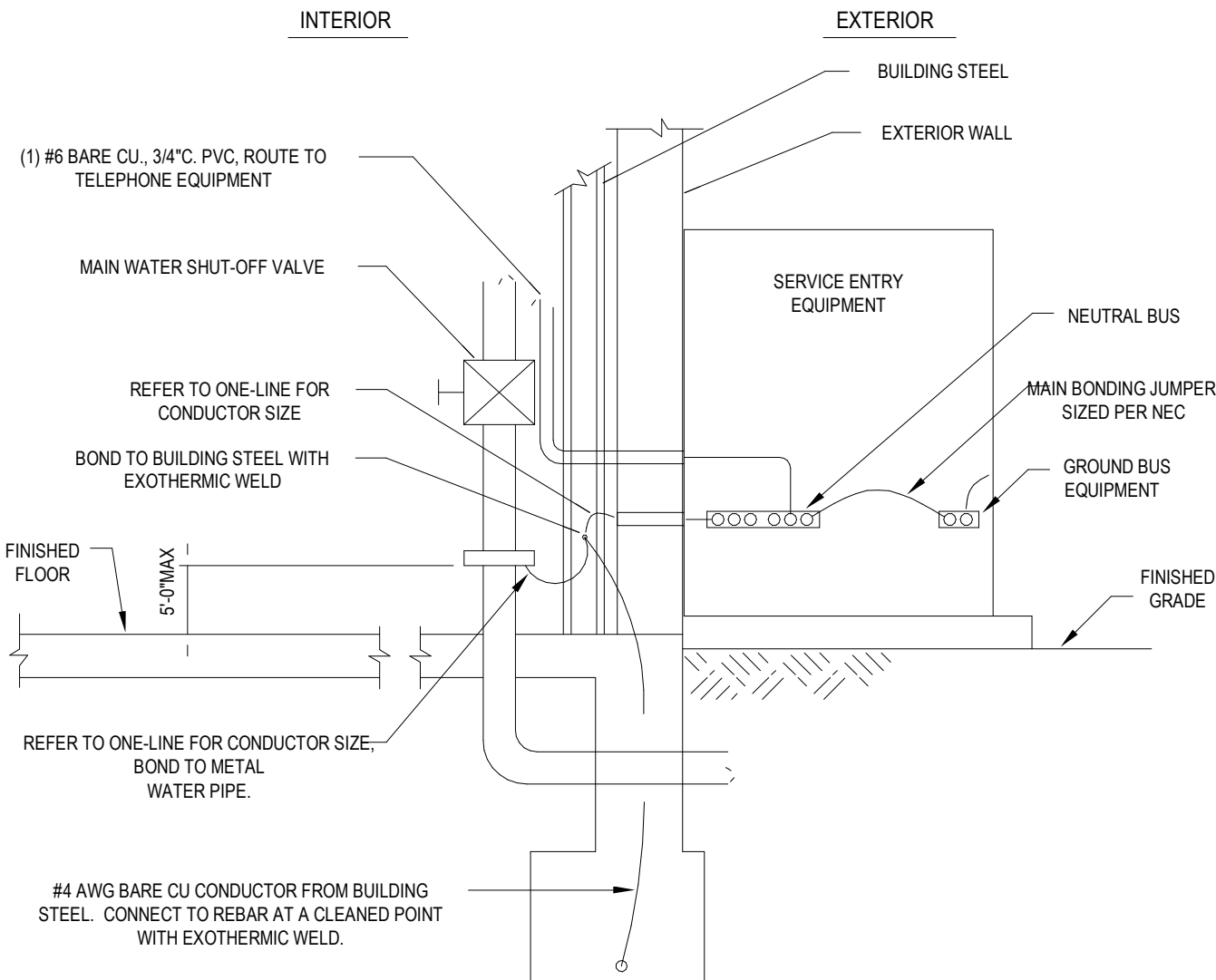
NEW

VOLTS: 480/277V-3PH,4W
PHASES: 3
WIRES: 4

A.I.C. RATING: Fully (7)
MAINS TYPE: M.L.O.
MAINS RATING: 600 A
REQUIREMENTS: GROUND BAR

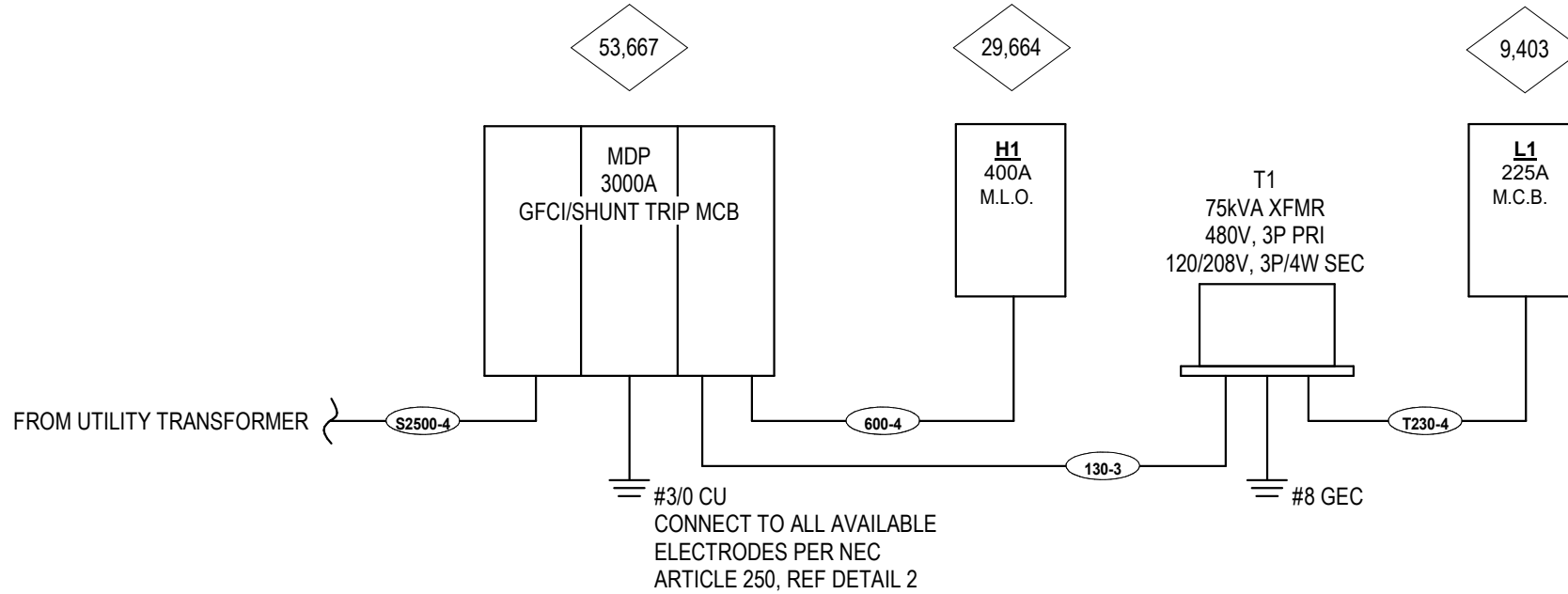
NOTES:

CKT	Circuit Description	Trip	Poles	Wire	A	B	C	Wire	Poles	Trip	Circuit Description	CKT	
1	TEMP CONTROL UNIT	60	3	#6	13.30	3.32		#12	3	15	DECK ACCESS LIFT	2	
3		--	--	--		13.30	3.32	--	--	--		4	
5		--	--	--			13.30	3.32	--	--		6	
7	SLEEVE ACCESS LIFT	15	3	#12	3.32	3.32		#12	3	15	SLEEVE ACCESS LIFT	8	
9		--	--	--		3.32	3.32	--	--	--		10	
11		--	--	--			3.32	3.32	--	--		12	
13	DECK ACCESS LIFT	15	3	#12	3.32	2.31		#10	1	20	PRESS ROOM LIGHTING (6,10)	14	
15		--	--	--		3.32	1.81	--	--	--		16	
17		--	--	--			3.32	2.41	#10	1	20	PRESS ROOM LIGHTING (6,10)	18
19	GPU-1	150	3	#10	34.49	2.66		#12	1	20	PRESS ROOM LIGHTING (10)	20	
21		--	--	--		34.49	3.46	--	--	--		22	
23		--	--	--			34.49	34.49	#10	3	150	GPU-3	24
25	GPU-2	150	3	#10	34.49	34.49		--	--	--		26	
27		--	--	--		34.49	34.49	--	--	--		28	
29		--	--	--			34.49	--	--	1	--	SPACE	30
31	SPARE	20	1	--	0.00	--		--	1	--	SPACE	32	
33	SPARE	20	1	--		0.00	--	--	1	--	SPACE	34	
35	SPARE	20	1	--			0.00	--	1	--	SPACE	36	
37	SPARE	20	1	--	0.00	--		--	1	--	SPACE	38	
39	SPARE	20	1	--		0.00	--	--	1	--	SPACE	40	
41	SPARE	20	1	--			0.00	--	--	1	--	SPACE	42
Total Load:					135014 VA	135314 VA	132459 VA						
Total Amps:					489 A	490 A	478 A						
Load Classification							Panel Totals						
CONTINUOUS							79776 VA						
HVAC							310380 VA						
LIGHTS							12631 VA						
							Total Conn. Load: 402787 VA						
							Total Feeder Load: 425688 VA						
							Total Connected Current: 484 A						
							Total Feeder Current: 512 A						



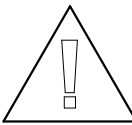
Notes:

- GROUNDING ELECTRODE SYSTEM INSTALLATION SHALL BE IN STRICT COMPLIANCE WITH LOCAL CODES AND/OR AUTHORITY HAVING JURISDICTION.
- EXTERIOR SWITCHGEAR SHOWN AS AN EXAMPLE AND MAY NOT APPLY. SAME WIRING SHALL APPLY TO INTERIOR SWITCHGEAR OR SERVICE ENTRY EQUIPMENT.

2 GROUNDING ELECTRODE DETAIL
NTS1 ELECTRICAL ONE-LINE DIAGRAM
NTS

EQUIPMENT LABELS

ALL SWITCHBOARDS AND PANELBOARDS SHALL HAVE A LABEL APPLIED TO WARN OF POTENTIAL ARC FLASH HAZARDS; REFER TO ARC FLASH DETAIL.



WARNING

ARC FLASH AND SHOCK HAZARD.
APPROPRIATE PERSONAL PROTECTIVE
EQUIPMENT (PPE) REQUIRED.

NOTES:

A. ALL SWITCHBOARDS AND PANELBOARDS SHALL HAVE A COMMERCIALY PRODUCED PERMANENT LABEL APPLIED, SIMILAR TO THE ABOVE, TO WARN OF POTENTIAL ARC FLASH HAZARDS, IN ACCORDANCE WITH NEC 110.16 AND NFPA 70E.

B. LABELING MAY BE COMPLETED BY EQUIPMENT MANUFACTURER, EQUIPMENT VENDOR/SUPPLIER, OR THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY THAT ALL SWITCHBOARDS AND PANELBOARDS ARE PROPERLY LABELED IN THE FIELD.

PANELBOARD NOTES (#)

NOTE IS IN CIRCUIT DESCRIPTION IN PARENTHESIS

- TERMINATE GROUND ON ISOLATED GROUND BUS.
- INSTALL LOCKING DEVICE FURNISHED WITH PANELBOARD (LOCK-OFF FOR MAINTENANCE).
- INSTALL LOCKING DEVICE FURNISHED WITH PANELBOARD (LOCK-ON FOR CRITICAL LOAD).
- GFI BREAKER FOR PERSONNEL PROTECTION (5 mA).
- GFI BREAKER FOR EQUIPMENT PROTECTION (30 mA).
- CONDUCTOR SIZE SHOWN IN PANEL SCHEDULE HAS BEEN INCREASED FOR VOLTAGE DROP. SIZE EQUIPMENT GROUNDING CONDUCTOR PROPORTIONALLY PER NEC. REFERENCE GROUND WIRE SIZING CHART.
- REFER TO ONE-LINE DIAGRAM FOR AVAILABLE FAULT CURRENT FOR INTERRUPT RATINGS.
- REFER TO ONE-LINE DIAGRAM FOR WIRE SIZES.
- FACTORY WIRED TO LOAD.
- THRU CONTACTOR FOR TIMED CONTROL.
- LOAD IS EXISTING TO REMAIN.
- SHUNT TRIP BREAKER
- COORDINATE CIRCUIT BREAKER REQUIREMENTS WITH SPD MANUFACTURER RECOMMENDATIONS.
- EXISTING TO REMAIN
- NEW CIRCUIT

EP ONE-LINE FEEDER SCHEDULE

FEEDER TYPE	COPPER FEEDER
-------------	---------------

130-3	1-1 1/4", 3#1, 1#6GR
600-4	2-3", 4-350KCMIL, 1#1GR EACH
S2500-4	7-3", 4-500KCMIL EACH
T230-4	1-2 1/2", 4#40, 1#2GR

CONDUIT SIZED BASED ON CONDUCTOR PROPERTIES LISTED IN THE CURRENT NEC EDITION, CHAPTER 9, TABLES 5 AND 5A, AND CONDUIT AREAS LISTED CHAPTER 9, TABLE 4 FOR EMT WITH 40% FILL. OTHER CONDITIONS MAY REQUIRE A LARGER CONDUIT, SUCH AS UNDERGROUND PVC, SIZED FOR NEC.

COORDINATE LUG SIZE, TYPE, AND AMOUNT WITH EQUIPMENT MANUFACTURER PRIOR TO FEEDER INSTALLATION.

GROUND WIRE SIZING
CHART

BRKR AMPS		WIRE SIZE					
15-20	PHASE GROUND	12	10	8	6	4	
		12	10	8	6	4	
25-30	PHASE GROUND	10	8	6	4	3	
		10	8	6	4	3	
35-50	PHASE GROUND	8	6	4	3	2	
		10	8	4	4	4	
60	PHASE GROUND	6	4	3	2	1	
		10	6	6	4	4	
70	PHASE GROUND	6	4	3	2	1	
		8	4	4	3	2	
80-90	PHASE GROUND	4	3	2	1	1/0	
		8	6	4	4	3	
100	PHASE GROUND	3	2	1	1/0	2/0	
		8	6	4	4	3	

PER NEC 250.122(B)

PROVIDE LABEL AT SERVICE ENTRANCE EQUIPMENT IDENTIFYING THE MAXIMUM AVAILABLE FAULT CURRENT PER NEC 110.24. A LABEL SHOULD ALSO IDENTIFY THE SOURCE OF SUPPLY FOR EACH PANEL PER NEC 408.4

PROVIDE 4" HIGH FORMED CONCRETE HOUSEKEEPING PAD FOR ALL FLOOR MOUNTED ELECTRICAL GEAR.

FOR CIRCUIT BREAKERS RATED 1200A AND ABOVE, THE BREAKER SHALL BE PROVIDED WITH ERMS CAPABILITIES PER NEC 240.87.

IDENTIFY EACH SERVICE SUPPLYING THIS STRUCTURE PER NEC 230.3(E).

REPRESENTS THE AVAILABLE FAULT CURRENT IN RMS SYMMETRICAL AMPERES AT THE RESPECTIVE TRANSFORMER, PANELBOARD, OR EQUIPMENT. CONFIRM ACTUAL NUMBERS FROM UTILITY ONCE SERVICE HAS BEEN PLANNED AND ADJUST EQUIPMENT AIC RATINGS ACCORDINGLY.

FAULT CURRENT CALCULATIONS ARE BASED ON AVAILABLE FAULT CURRENT OF 57,345 AMPS AT SECONDARY TERMINALS OF TRANSFORMER USING AN INFINITE PRIMARY AND ASSUMED TRANSFORMER RATINGS.

PRIGM
ENGINEERING

310 W. DICKSON ST., SUITE 210
FAYETTEVILLE, AR 72701
479.877.3188 | WWW.PRIGM.COM

Dan Townsley
ARCHITECT

921 S Oak Hill Ste. 1
Rogers, AR 72758
479.631.6817 PH
dan@dt-architect.com



02.04.2026

General Contractor:

NABHOLZ
Construction Services

3301 N 2nd Street
Rogers, Arkansas 72757
479.659.7800

Press Addition



PACKAGING
SPECIALTIES, INC.
Celebrating 50 years
Est. 1974

1755 S Armstrong Ave
Fayetteville, Arkansas

Sheet Contents:

Drawing Name: ONE-LINE DIAGRAM & PANEL SCHEDULE
Date: 02.04.2026
Revisions:

Sheet Number:

E3.0