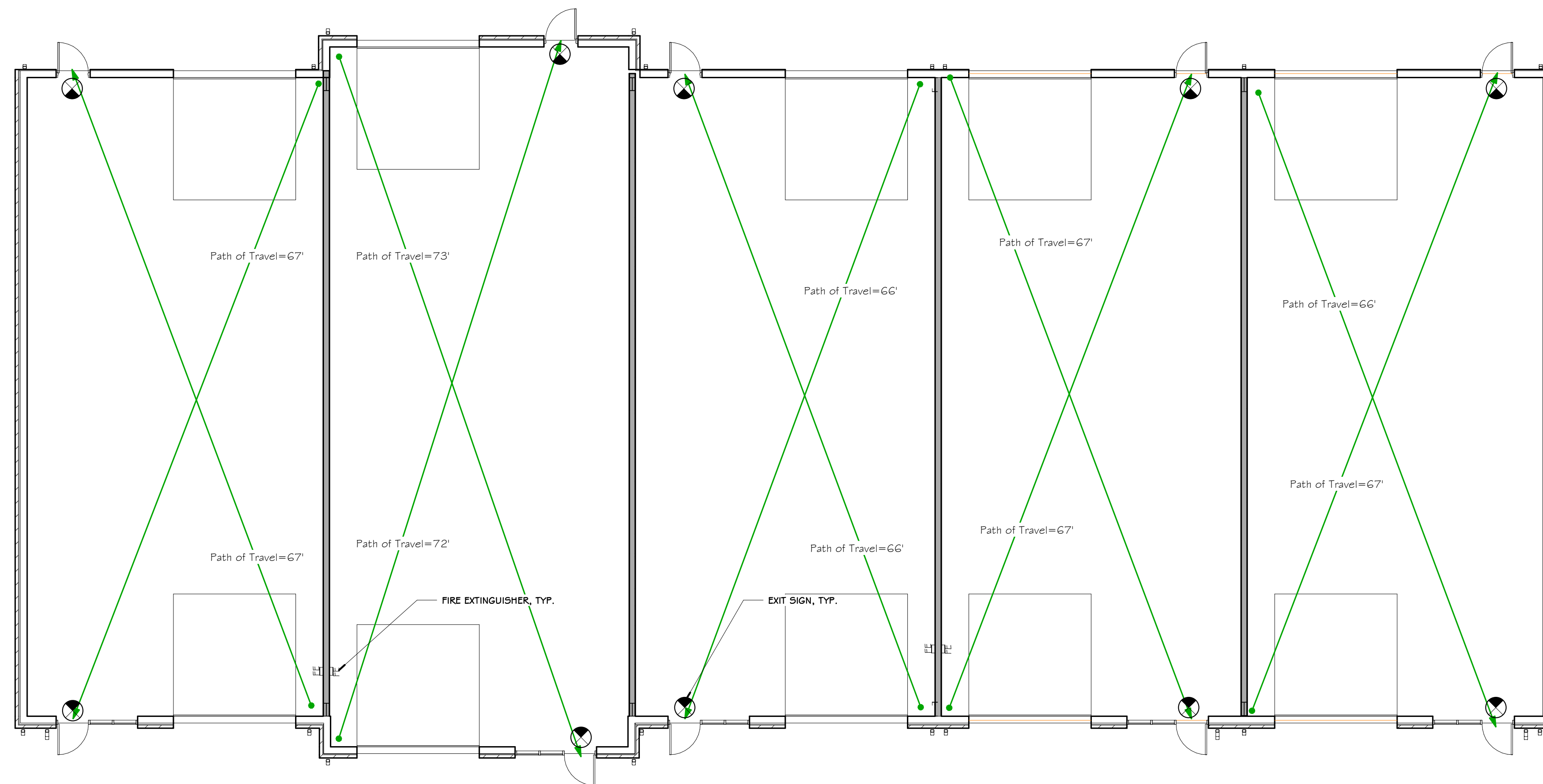


# NEW OFFICE WAREHOUSE 5-BAY BLDG.

## 2247 WORTH LANE

### SPRINGDALE, ARKANSAS



**1 LIFE SAFETY PLAN**  
SCALE = 1/8" = 1'-0"

#### CODE AND PROJECT DEVELOPMENT DATA

**BUILDING CODE:** 2012 ARKANSAS FIRE PREVENTION CODE, VOL. II (2012 IBC WITH AMENDMENTS)  
2017 NATIONAL ELECTRICAL CODE  
2006 ARKANSAS PLUMBING CODE  
2006 ARKANSAS STATE FUEL & GAS CODE  
2010 ARKANSAS MECHANICAL CODE  
2011 ARKANSAS ENERGY CODE  
2009 ANSI A-117.1

**OCCUPANCY** (Chapter 3 Use and Occupancy) B-BUSINESS

**TYPE CONSTRUCTION:** IIIB - NOT SPRINKLERED  
STRUCTURAL FRAME NON-COMBUSTIBLE- 0 HR  
INTERIOR BEARING WALLS COMBUSTIBLE- 0 HR  
EXTERIOR NON-BEARING WALLS NON-COMBUSTIBLE- 0 HR  
INTERIOR NON-BEARING WALLS COMBUSTIBLE- 0 HR  
ROOF/CEILING COMBUSTIBLE- 0 HR

**FIRE SEPARATION DISTANCES:**  
NORTH 20'  
EAST >30'  
SOUTH 20'  
WEST >30'

**ALLOWABLE HEIGHT & BUILDING AREA:**  
ALLOWABLE SF PER FLOOR, (Table 503) = 19,000sf  
ALLOWABLE # FLOORS (Table 503) = 3 FLOORS  
AREA INCREASE DUE TO FRONTAGE (506.1)  
I = [F/P - 0.25]W/30 = N/A  
AREA INCREASE DUE TO SPRINKLERS (506.3) (one story), Is = A x 3 = N/A  
TOTAL ALLOWABLE AREA PER FLOOR (506.2) = 19,000 sf

**TOTAL ENCLOSED AREA:** 9,784 sf

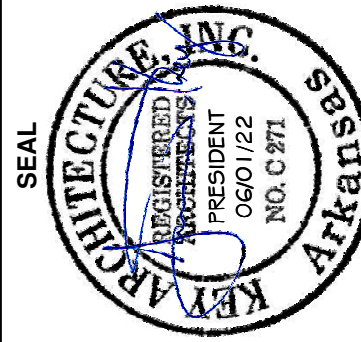
**TOTAL OCCUPANTS:** (Table 1004.1.2) B-BUSINESS, 100 GROSS = 9,784 sf / 100 sf = 98 PEOPLE

**MEANS OF EGRESS SIZING:** (1005)  
(1005.3.1) STAIRWAYS #PEOPLE x 3" = N/A  
(1005.3.2) 98 PEOPLE x 2' / PERSON = 19.6' REQUIRED  
10 DOORS x 32' = 320' PROVIDED

**TRAVEL DISTANCE ALLOWED:** (Table 1016.2) B-BUSINESS, NOT SPRINKLERED 200'

#### Sheet Index

#	Sheet Name
A0.0	COVER SHEET
A1.1	FLOOR PLAN
A1.2	ROOF PLAN & SCHEDULES
A2.1	ELEVATIONS
A3.1	WALL SECTIONS
S0	STRUCTURAL NOTES & DETAILS
S1	FOUNDATION PLAN
S2	FOUNDATION DETAILS
P000	PLUMBING NOTES
P100	PLUMBING PLAN
P500	PLUMBING DETAILS
P600	SEWER RISER
P700	PLUMBING SPECS
E000	ELECTRICAL NOTES
E100	LIGHTING PLAN
E101	POWER PLAN
E600	PANEL SCHEDULE
E700	ELECTRICAL SPECS



**KEY ARCHITECTURE INC.**  
P.O. BOX 748 FAYETTEVILLE, ARKANSAS 72702  
PH: 479.444.6066 FAX: 479.444.1445

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Rev. #	Date

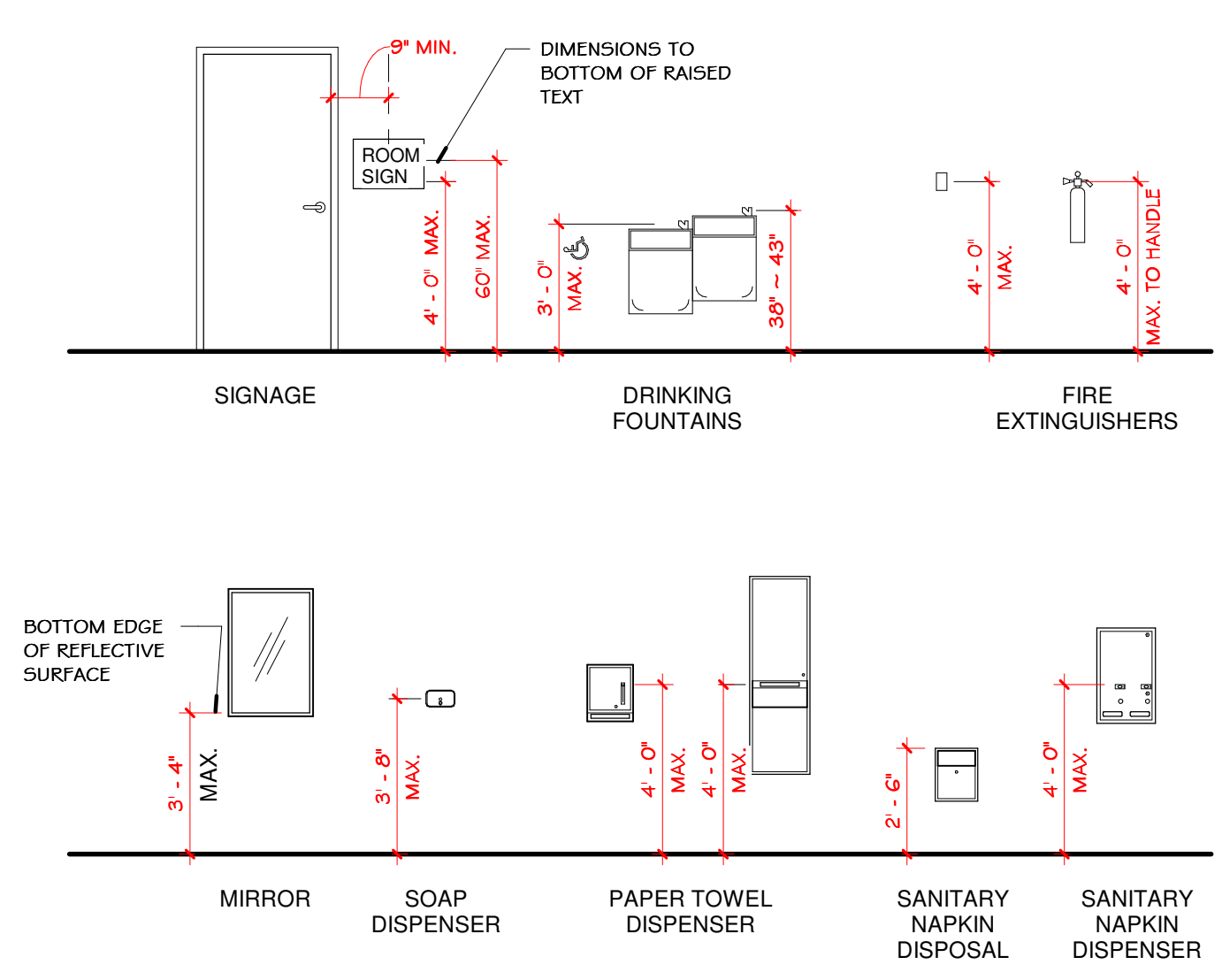
NEW OFFICE WAREHOUSE 5-BAY BLDG.  
2247 WORTH LANE  
SPRINGDALE, ARKANSAS  
MTNWA INVESTMENTS, LLC  
1457 E. ROBINSON AVE.  
SPRINGDALE, AR 72764

DATE	DRAWN BY
06/01/22	ELP
PROJECT #	CHECKED BY
2169	JTK

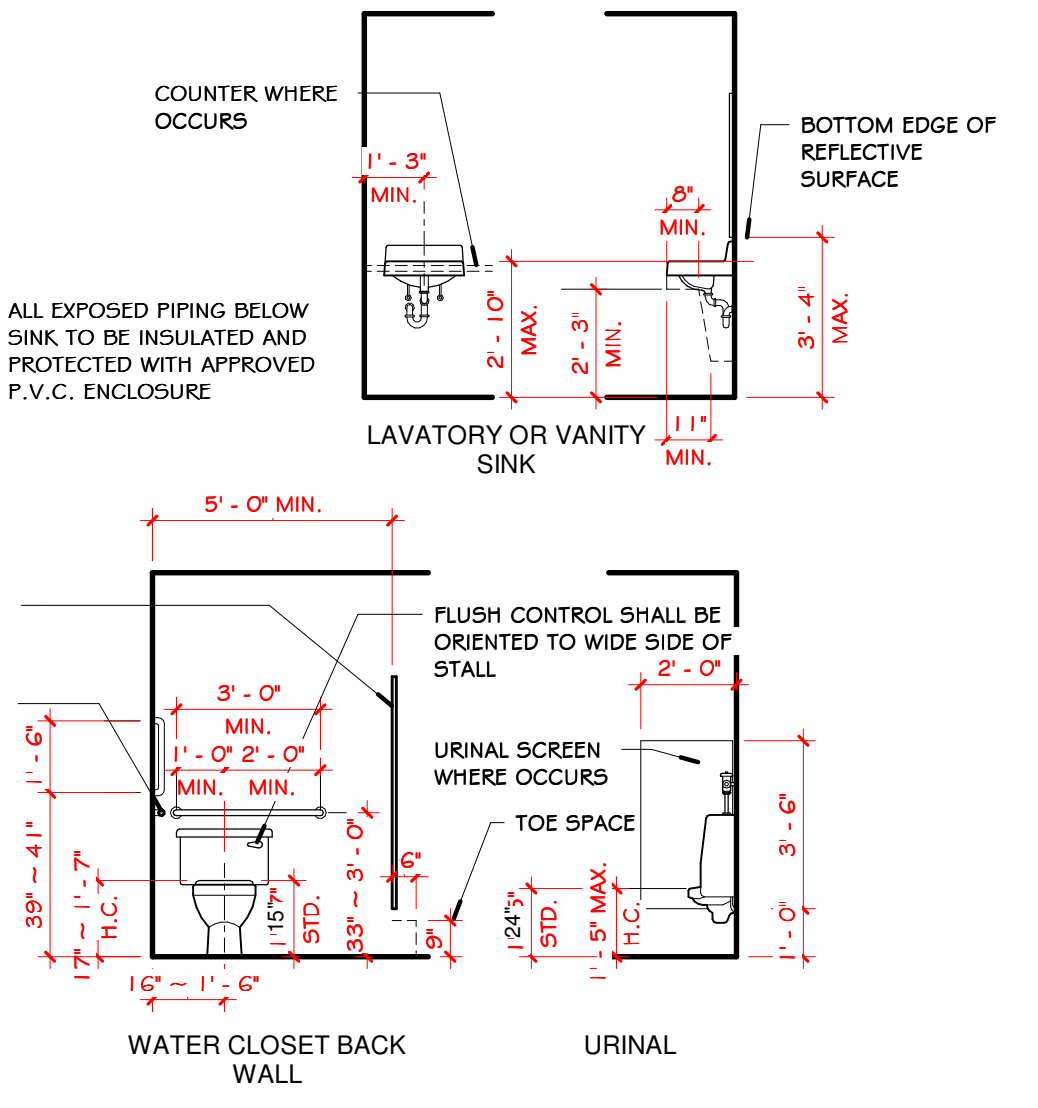
SHEET  
**A0.0**  
COVER SHEET

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**TYPICAL MOUNTING HEIGHTS**  
ALL EQUIPMENT AND FIXTURES SHALL BE MOUNTED AT LOCATIONS WHICH MEET THE STATE BUILDING CODE AND THE AMERICANS WITH DISABILITIES ACT.



#### PROJECT TEAM DATA

**ARCHITECT:** KEY ARCHITECTURE INC.  
P.O. BOX 748 FAYETTEVILLE, ARKANSAS 72702  
315 SOUTH GREGG FAYETTEVILLE, ARKANSAS 72701  
PH: (479) 444-6066 FAX: (479)444-1445

**CONSULTANTS STRUCTURAL:** JLA ENGINEERING, INC.  
213 W. MONROE AVE, SUITE J LOWELL, ARKANSAS 72745 PH: (479) 770-6650

**MECHANICAL:** ADVANCED CONSULTING ENGINEERS  
132 W KELLEY DR. ROGERS, ARKANSAS 72756 PH: (479) 831-1712

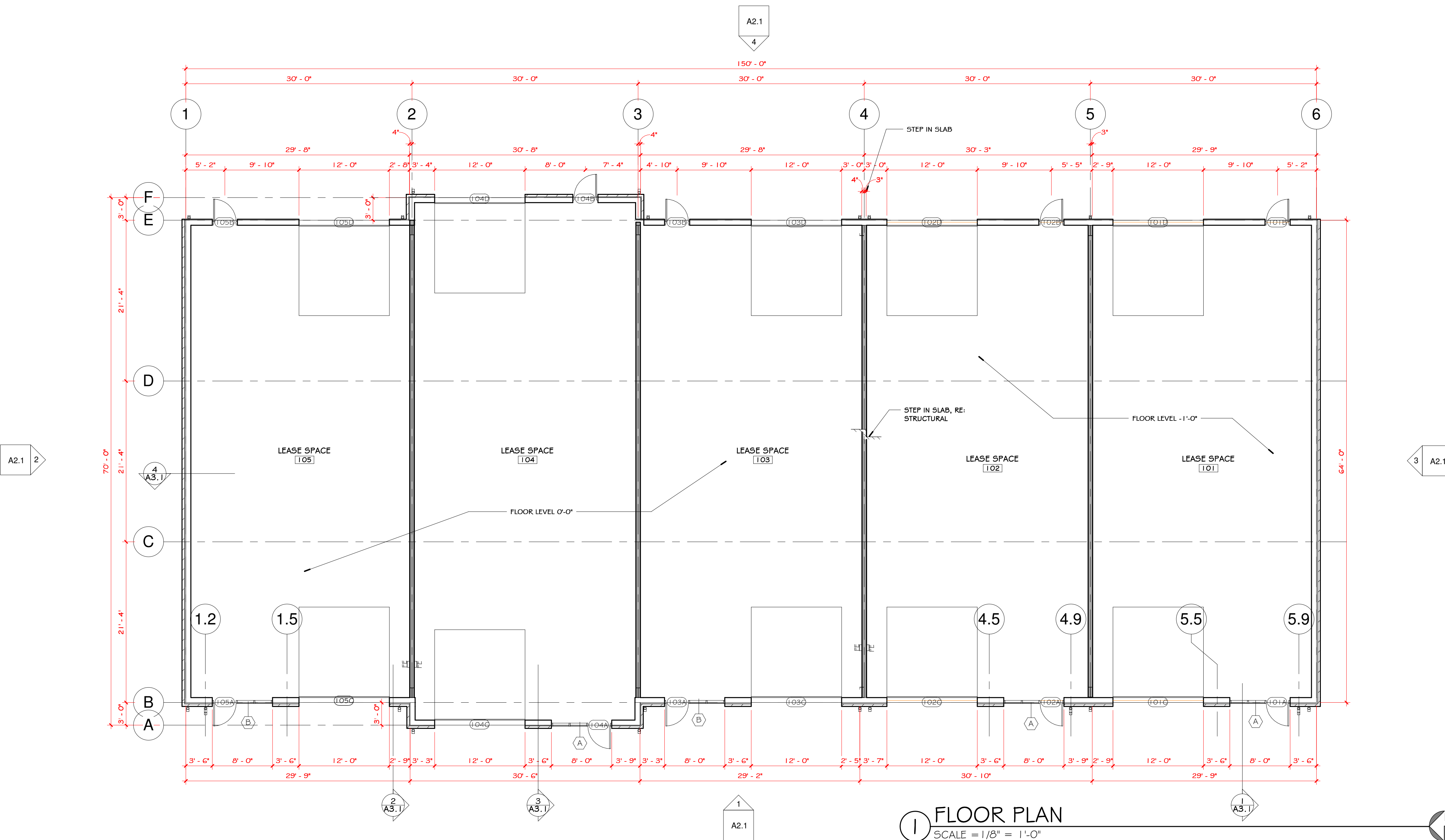
**CIVIL:** ENGINEERING SERVICES, INC.  
1207 S OLD MISSOURI RD. SPRINGDALE, ARKANSAS 72764 PH: (479) 751-8733

IT IS EXPRESSLY UNDERSTOOD THAT THE ARCHITECT SHALL NOT PERFORM CONSTRUCTION ADMINISTRATION SERVICES, UNLESS, AND ONLY TO THE EXTENT SPECIFICALLY REQUESTED BY THE CLIENT AS ADDITIONAL SERVICES. ACCORDINGLY, THE ARCHITECT SHALL NOT BE LIABLE TO THE CLIENT, TO THE OWNER OR TO ANY PARTY WORKING FOR OR THROUGH THE CLIENT OR THE OWNER, FOR ERRORS OR OMISSIONS IN THE CONSTRUCTION DOCUMENTS, WHICH ARE, OR WHICH UPON THE EXERCISE OF REASONABLE CARE SHOULD HAVE BEEN DISCOVERED DURING THE CONSTRUCTION OF WORK. LIKEWISE, THE ARCHITECT SHALL NOT BE LIABLE TO THE CLIENT, TO THE OWNER OR TO ANY PARTY WORKING FOR OR THROUGH THE CLIENT OR THE OWNER, FOR ANY CHANGES IN DESIGN OR CONSTRUCTION MADE DURING CONSTRUCTION WITH-OUT THE PRIOR WRITTEN APPROVAL OF THE ARCHITECT. THE CLIENT AND/OR THE OWNER SHALL HOLD HARMLESS, INDEMNIFY AND DEFEND THE ARCHITECT FROM AND AGAINST ANY AND ALL CLAIMS OR CAUSES OF ACTION FOR COST OR DAMAGES WHICH a) ARE DISCOVERED UPON THE EXERCISE OF REASONABLE CARE SHOULD HAVE BEEN DISCOVERED BY THE OWNER OR CONTRACTOR, AND WHICH ARE NOT BROUGHT TO THE ARCHITECT'S ATTENTION FOR REVIEW AND ACTION BEFORE FURTHER WORK IS PERFORMED; b) ARISE FROM CHANGES IN CONSTRUCTION AND/OR DESIGN NOT APPROVED IN WRITING BY THE ARCHITECT; AND/OR c) FOR ERRORS OR OMISSIONS OF THE CONTRACTOR OR OF OTHER CONSULTANTS TO THE CLIENT AND/OR OWNER.

I HEREBY CERTIFY THAT THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED BY ME, OR UNDER MY SUPERVISION. I FURTHER CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THESE PLANS AND SPECIFICATIONS ARE AS REQUIRED BY LAW AND IN COMPLIANCE WITH THE ARKANSAS FIRE PREVENTION CODE FOR THE STATE OF ARKANSAS, WITH THE REQUIREMENTS OF THE MUNICIPAL AUTHORITY AND ALL FEDERAL REGULATIONS.

BY: DATE: 06/01/22

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

Mark	Room Name	Width	Height	Frame		Door		Glazing	Comments
				Type	Finish	Type	Finish		
101A	LEASE SPACE	3' - 0"	7' - 0"	ALUM	CL-ANO	ALUM	CL-ANO	TEMP	
101B	LEASE SPACE	3' - 0"	7' - 0"	HM	PT	HM	PT		
101C	LEASE SPACE	12' - 0"	12' - 0"						1
101D	LEASE SPACE	12' - 0"	12' - 0"						1
102A	LEASE SPACE	3' - 0"	7' - 0"	ALUM	CL-ANO	ALUM	CL-ANO	TEMP	
102B	LEASE SPACE	3' - 0"	7' - 0"	HM	PT	HM	PT		
102C	LEASE SPACE	12' - 0"	12' - 0"						1
102D	LEASE SPACE	12' - 0"	12' - 0"						1
103A	LEASE SPACE	3' - 0"	7' - 0"	ALUM	CL-ANO	ALUM	CL-ANO	TEMP	
103B	LEASE SPACE	3' - 0"	7' - 0"	HM	PT	HM	PT		
103C	LEASE SPACE	12' - 0"	12' - 0"						1
103D	LEASE SPACE	12' - 0"	12' - 0"						1
104A	LEASE SPACE	3' - 0"	7' - 0"	ALUM	CL-ANO	ALUM	CL-ANO	TEMP	
104B	LEASE SPACE	3' - 0"	7' - 0"	HM	PT	HM	PT		
104C	LEASE SPACE	12' - 0"	12' - 0"						
104D	LEASE SPACE	12' - 0"	12' - 0"						
105A	LEASE SPACE	3' - 0"	7' - 0"	ALUM	CL-ANO	ALUM	CL-ANO	TEMP	
105B	LEASE SPACE	3' - 0"	7' - 0"	HM	PT	HM	PT		
105C	LEASE SPACE	12' - 0"	12' - 0"						1
105D	LEASE SPACE	12' - 0"	12' - 0"						1

- ### GENERAL NOTES
- ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE MUNICIPALITY AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
  - ALL WORK AND ALL FINISHES, INCLUDING TYPE, COLOR AND LOCATION, SHALL BE COORDINATED WITH THE OWNER.
  - ALL DIMENSIONS ARE TO CENTERLINE OF COLUMNS, FACE OF BUILDING LINE OR STUD, TYPICAL, UNLESS NOTED OTHERWISE (U.N.O.). WHEN NOTED AS EXISTING THE DIMENSIONS SHOWN ARE TO FACE OF EXISTING FINISH PRIOR TO START OF CONSTRUCTION.
  - VERIFY ALL DIMENSIONS, DOOR AND WINDOW SIZES AND LOCATIONS PRIOR TO LAYOUT WITH THE OWNER. COORDINATE ALL OWNER PROVIDED EQUIP.
  - ALL DOOR AND WINDOW DIMENSIONS ARE NOMINAL AND MUST BE COORDINATED WITH MANUFACTURER. ROUGH OPENING DIMENSIONS ARE TO BE COORDINATED WITH DOOR AND WINDOW SHOP DRAWINGS.
  - VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO START OF WORK. CONTRACTOR TO NOTIFY ARCHITECT TO ANY DISCREPANCY WITH THE PLANS AND SPECIFICATIONS PRIOR TO BEGINNING WORK.
  - PROVIDE FIRE EXTINGUISHERS PER NFPA-10 AND COORDINATE WITH LOCAL BUILDING AND/OR FIRE OFFICIALS.
  - PROVIDE KNOX BOX ON EXTERIOR OF BUILDING, COORDINATE EXACT LOCATION WITH LOCAL BUILDING AND/OR FIRE OFFICIALS.
  - PROVIDE WOOD BLOCKING IN STUD WALLS FOR ANCHORAGE OF GRAB BARS, PAPER HOLDERS, VANITIES, WALL MOUNTED DOOR STOPS, SINKS, SHELVING, TELEVISIONS ETC. COORDINATE WITH OWNER PRIOR TO COVER-UP.
  - PROVIDE BATT INSULATION AT ALL EXTERIOR WALLS AND SOUND ATTENUATION BLANKETS AT ALL NEW WALLS TO TOILET AREAS UNLESS NOTED OTHERWISE.
  - PROVIDE 1 1/2" RIGID INSULATION FULL HEIGHT AT PERIMETER OF BUILDING STEM WALLS & BASEMENT WALLS, AND FOR 2'-0" HORIZONTAL UNDER SLABS. INSULATION SHALL MEET ALL STATE AND LOCAL ENERGY CODES.
  - TOILET ROOM TO BE PROVIDED WITH FORCED AIR VENTILATION TO THE EXTERIOR.
  - PROVIDE ROOM SIGNAGE AT ALL DOORS AS REQUIRED BY THE INTERNATIONAL BUILDING CODE, ANSI A117.1, AND THE AMERICANS WITH DISABILITY ACT. COORDINATE WITH OWNER FOR NAMES, NUMBERS, STYLE AND TYPE OF SIGN. ALL SIGNAGE TO HAVE RAISED BRAILLE CHARACTERS AS REQUIRED.

- ### GENERAL DOOR & WINDOW NOTES
- ALL DOORS, WINDOWS AND FRAMES TO BE FINISHED PER OWNER'S REQUIREMENTS.
  - ALL DOOR AND WINDOW DIMENSIONS ARE TO THE FINISHED FRAME UNLESS OTHERWISE NOTED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND VERIFY ROUGH OPENINGS WITH WINDOW MANUFACTURER'S SHOP DRAWINGS.
  - ALL DOOR AND WINDOW TYPES AND MANUFACTURER TO BE DETERMINED BY THE OWNER.
  - ALL HARDWARE TO COMPLY WITH REQUIREMENTS FOR EGRESS AND ACCESSIBILITY.
  - PROVIDE THRESHOLD AT ALL FLOOR FINISH TRANSITIONS, TYPICAL U.N.O. VERIFY TYPES AND LOCATIONS WITH THE OWNER. THRESHOLDS SHALL BE NO MORE THAN 1/2" IN HEIGHT AND PROVIDE FOR ACCESSIBLE PASSAGE.
  - REFER TO PLAN AND/OR DOOR SCHEDULE FOR DOOR SIZES AND NOTES ON SPECIAL DOOR TYPES.
  - ALL MULTI-USE TOILET ROOMS TO BE PROVIDED SELF-CLOSING.

- ### GENERAL FINISH NOTES
- WALL FINISH SHALL BE SMOOTH FINISH, NO TEXTURE, PAINTED, UNLESS NOTED OTHERWISE (U.N.O.).
  - ALL FINISHES TO BE COORDINATED WITH THE OWNER, INCLUDING TYPE, COLOR AND LOCATION.
  - PROVIDE FINISH TOE KICK OR BASE TRIM AT BASE CABINETS FOR CABINET BASE AND WALL BASE AS PER FINISH SCHEDULE OR NOTES. COORDINATE WITH OWNER.
  - PROVIDE CORNER GUARDS PER SPEC AT ALL OUTSIDE SHEET ROCK CORNERS TYPICAL.



**KEY ARCHITECTURE INC.**  
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PH: 479.444.6066 FAX: 479.444.1445

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Rev. #	Date

NEW OFFICE WAREHOUSE 5-BAY BLDG.  
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SPRINGDALE, ARKANSAS

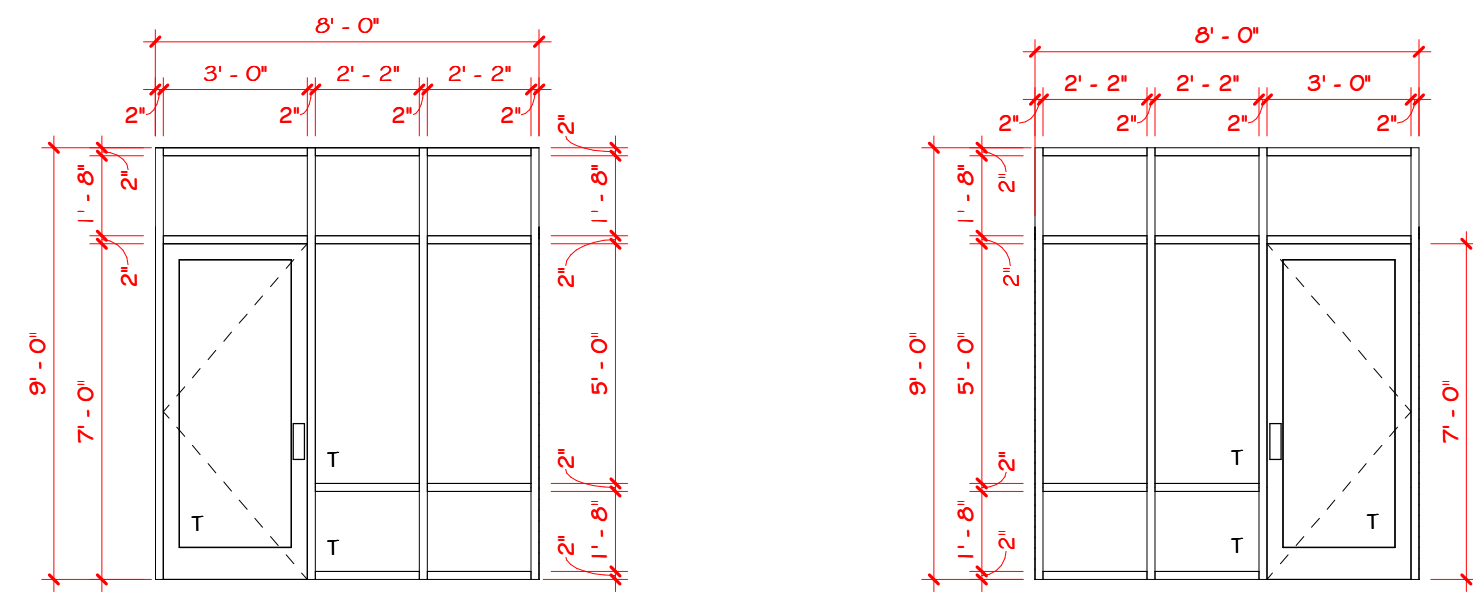
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SPRINGDALE, AR 72764

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SHEET  
**A1.1**  
FLOOR PLAN

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STOREFRONT ELEVATION - B STOREFRONT ELEVATION - A

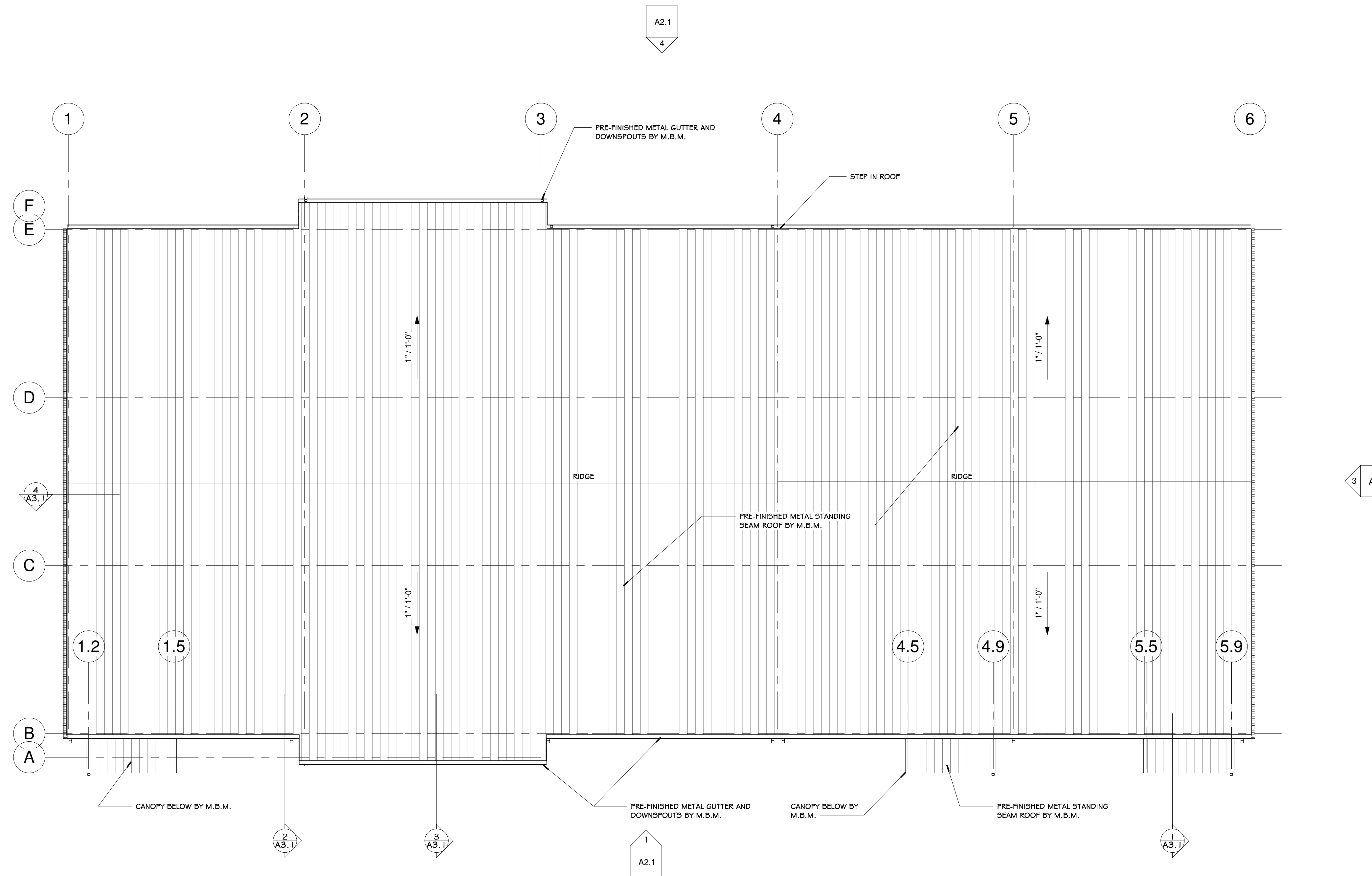
CLEAR ANODIZED ALUMINUM FRAMES  
1" DOUBLE PANE INSULATED GLAZING  
T = TEMPERED PANELS

Mark	Room Name	Width	Height	Door Schedule				Glazing	Comments
				Frame		Door			
				Type	Finish	Type	Finish		
101A	LEASE SPACE	3' - 0"	7' - 0"	ALUM	CL-ANO	ALUM	CL-ANO	TEMP	
101B	LEASE SPACE	3' - 0"	7' - 0"	HM	PT	HM	PT		
101C	LEASE SPACE	12' - 0"	12' - 0"						1
101D	LEASE SPACE	12' - 0"	12' - 0"						1
102A	LEASE SPACE	3' - 0"	7' - 0"	ALUM	CL-ANO	ALUM	CL-ANO	TEMP	
102B	LEASE SPACE	3' - 0"	7' - 0"	HM	PT	HM	PT		
102C	LEASE SPACE	12' - 0"	12' - 0"						1
102D	LEASE SPACE	12' - 0"	12' - 0"						1
103A	LEASE SPACE	3' - 0"	7' - 0"	ALUM	CL-ANO	ALUM	CL-ANO	TEMP	
103B	LEASE SPACE	3' - 0"	7' - 0"	HM	PT	HM	PT		
103C	LEASE SPACE	12' - 0"	12' - 0"						1
103D	LEASE SPACE	12' - 0"	12' - 0"						1
104A	LEASE SPACE	3' - 0"	7' - 0"	ALUM	CL-ANO	ALUM	CL-ANO	TEMP	
104B	LEASE SPACE	3' - 0"	7' - 0"	HM	PT	HM	PT		
104C	LEASE SPACE	12' - 0"	12' - 0"						
104D	LEASE SPACE	12' - 0"	12' - 0"						
105A	LEASE SPACE	3' - 0"	7' - 0"	ALUM	CL-ANO	ALUM	CL-ANO	TEMP	
105B	LEASE SPACE	3' - 0"	7' - 0"	HM	PT	HM	PT		
105C	LEASE SPACE	12' - 0"	12' - 0"						1
105D	LEASE SPACE	12' - 0"	12' - 0"						1

KEYED DOOR NOTES:  
1. PRE-FINISHED METAL INSULATED SECTIONAL OVERHEAD DOORS

GENERAL DOOR & WINDOW NOTES

1. ALL DOORS, WINDOWS AND FRAMES TO BE FINISHED PER OWNERS REQUIREMENTS.
2. ALL DOOR AND WINDOW DIMENSIONS ARE TO THE FINISHED FRAME UNLESS OTHERWISE NOTED. IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE AND VERIFY ROUGH OPENINGS WITH WINDOW MANUFACTURERS SHOP DRAWINGS.
3. ALL DOOR AND WINDOW TYPES AND MANUFACTURER TO BE DETERMINED BY THE OWNER.
4. ALL HARDWARE TO COMPLY WITH REQUIREMENTS FOR EGRESS AND ACCESSIBILITY.
5. PROVIDE THRESHOLD AT ALL FLOOR FINISH TRANSITIONS, TYPICAL U.N.O. VERIFY TYPES AND LOCATIONS WITH THE OWNER. THRESHOLDS SHALL BE NO MORE THAN 1/2" IN HEIGHT AND PROVIDE FOR ACCESSIBLE PASSAGE.
6. REFER TO PLAN AND/OR DOOR SCHEDULE FOR DOOR SIZES AND NOTES ON SPECIAL DOOR TYPES.
7. ALL MULTI-USE TOILET ROOMS TO BE PROVIDED SELF-CLOSING



1 ROOF PLAN  
SCALE = 1/8" = 1'-0"



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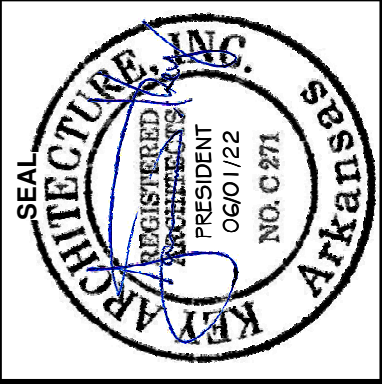
NEW OFFICE WAREHOUSE 5-BAY BLDG.  
2247 WORTH LANE  
SPRINGDALE, ARKANSAS

MTNWA INVESTMENTS, LLC  
1457 E. ROBINSON AVE.  
SPRINGDALE, AR 72764

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PROJECT # 2169	CHECKED BY JTK

SHEET  
**A1.2**  
ROOF PLAN & SCHEDULES

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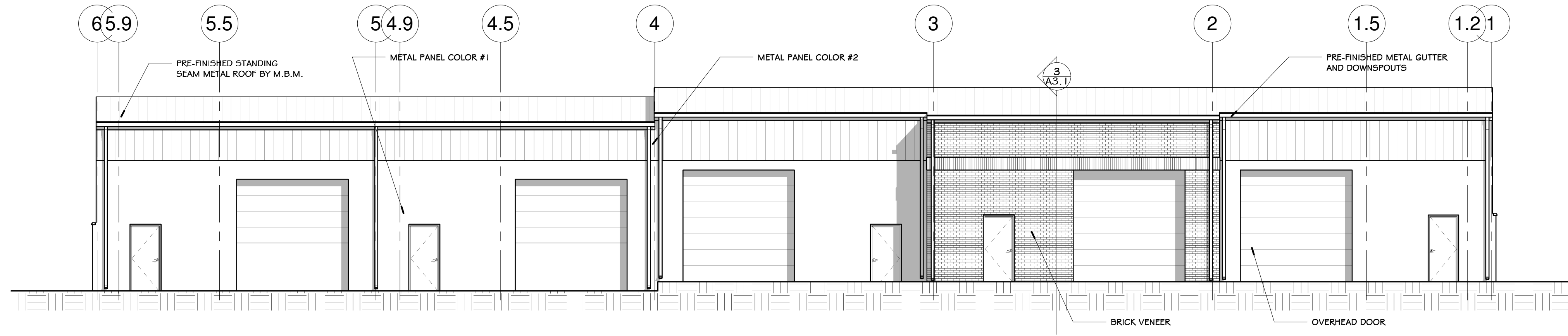
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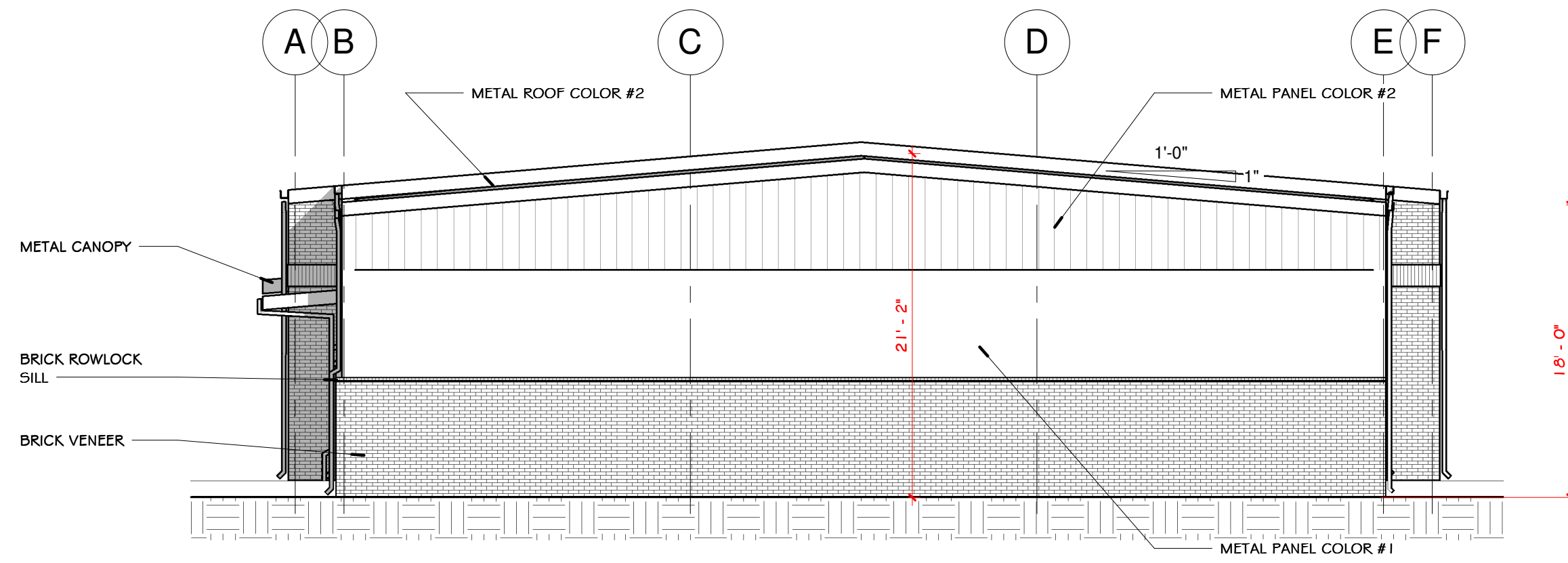
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PROJECT #	CHECKED BY
2169	JTK

SHEET  
**A2.1**  
 ELEVATIONS

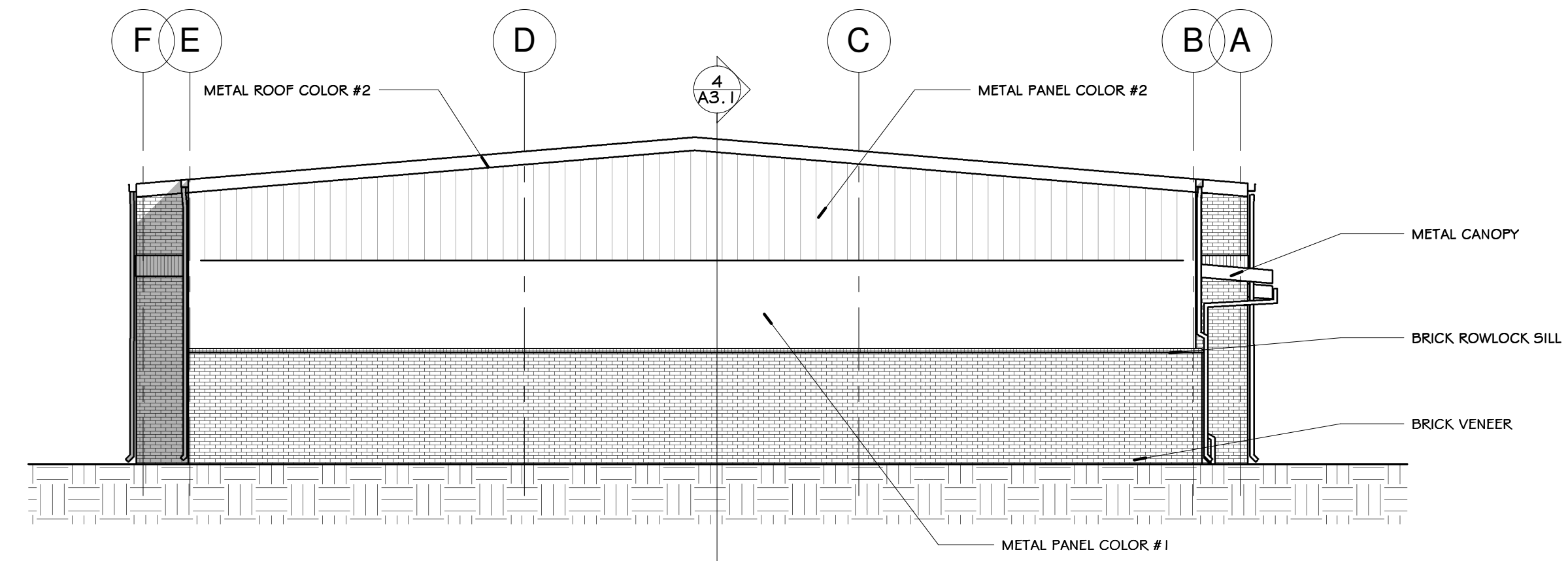
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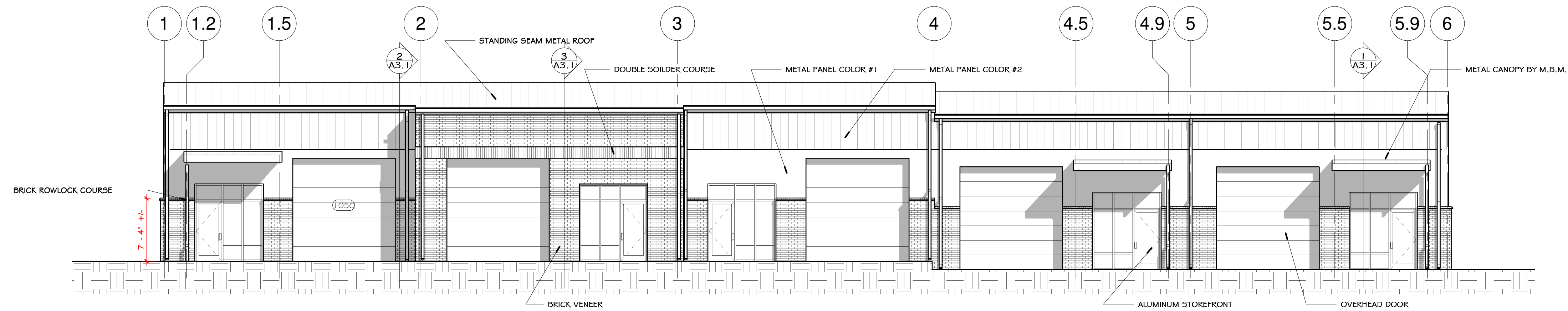
**4 EAST ELEVATION**  
 SCALE = 1/8" = 1'-0"



**3 SOUTH ELEVATION**  
 SCALE = 1/8" = 1'-0"

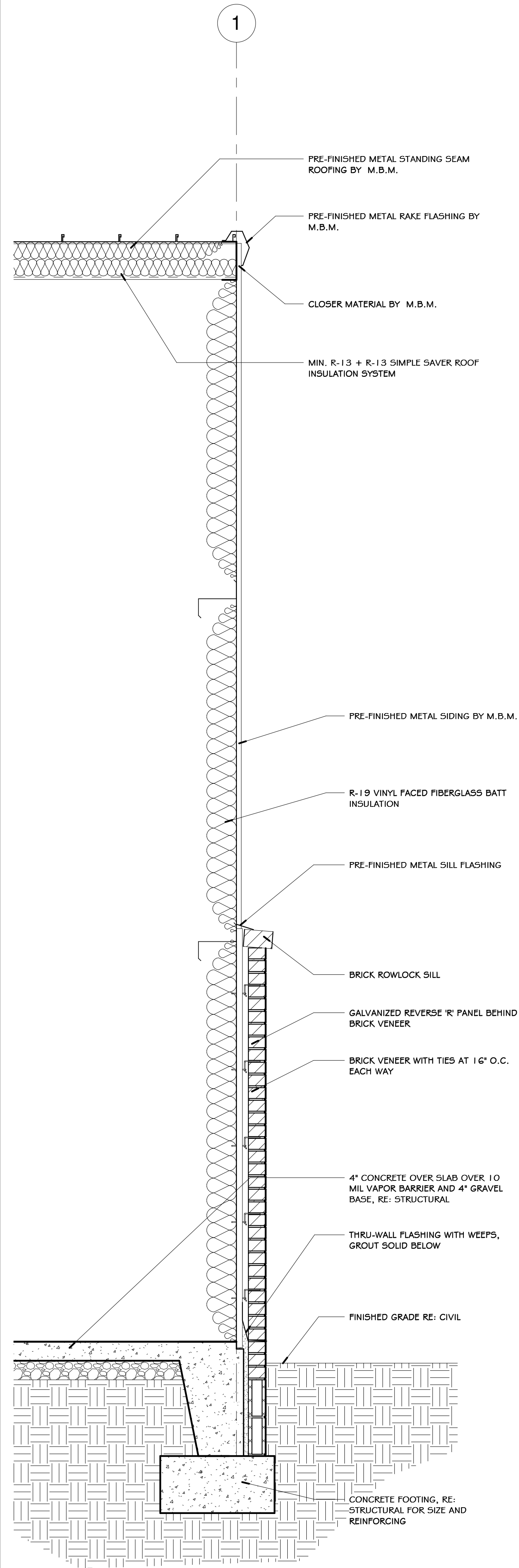


**2 NORTH ELEVATION**  
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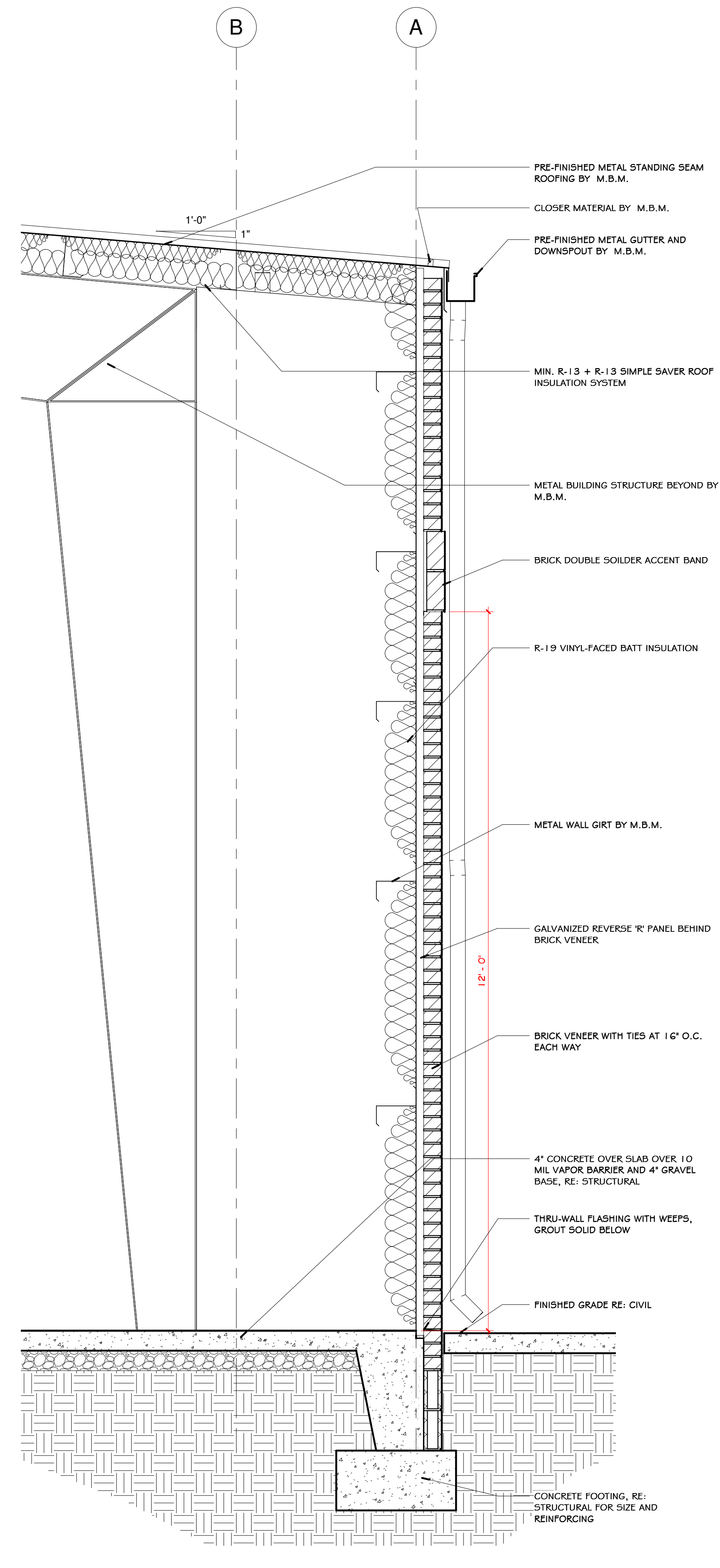


**1 WEST ELEVATION**  
 SCALE = 1/8" = 1'-0"

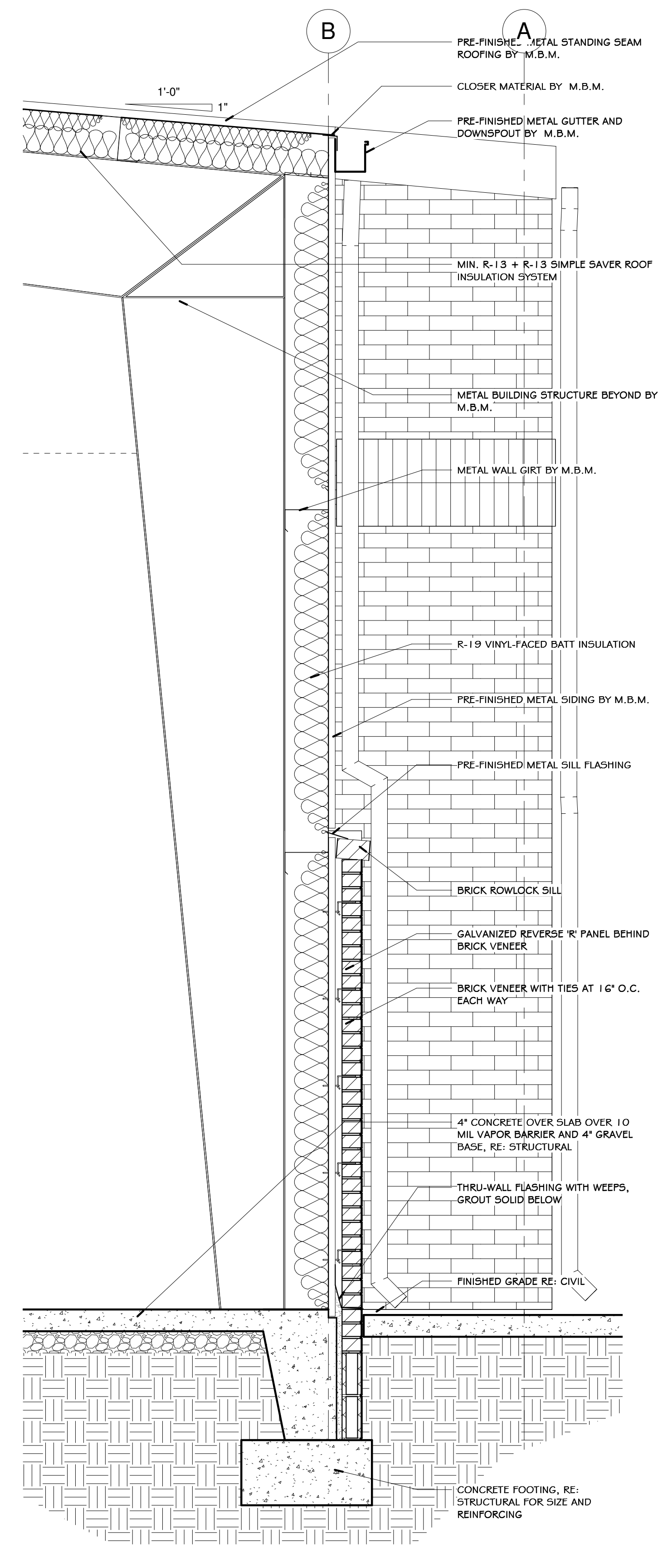
3/4" = 1'-0" 6/1/2022 1:53:45 PM S:\2169 MTNWA - New Warehouse Office\2169 MTNWA OFFICE-WAREHOUSE 2247 - 5 bay building.rvt



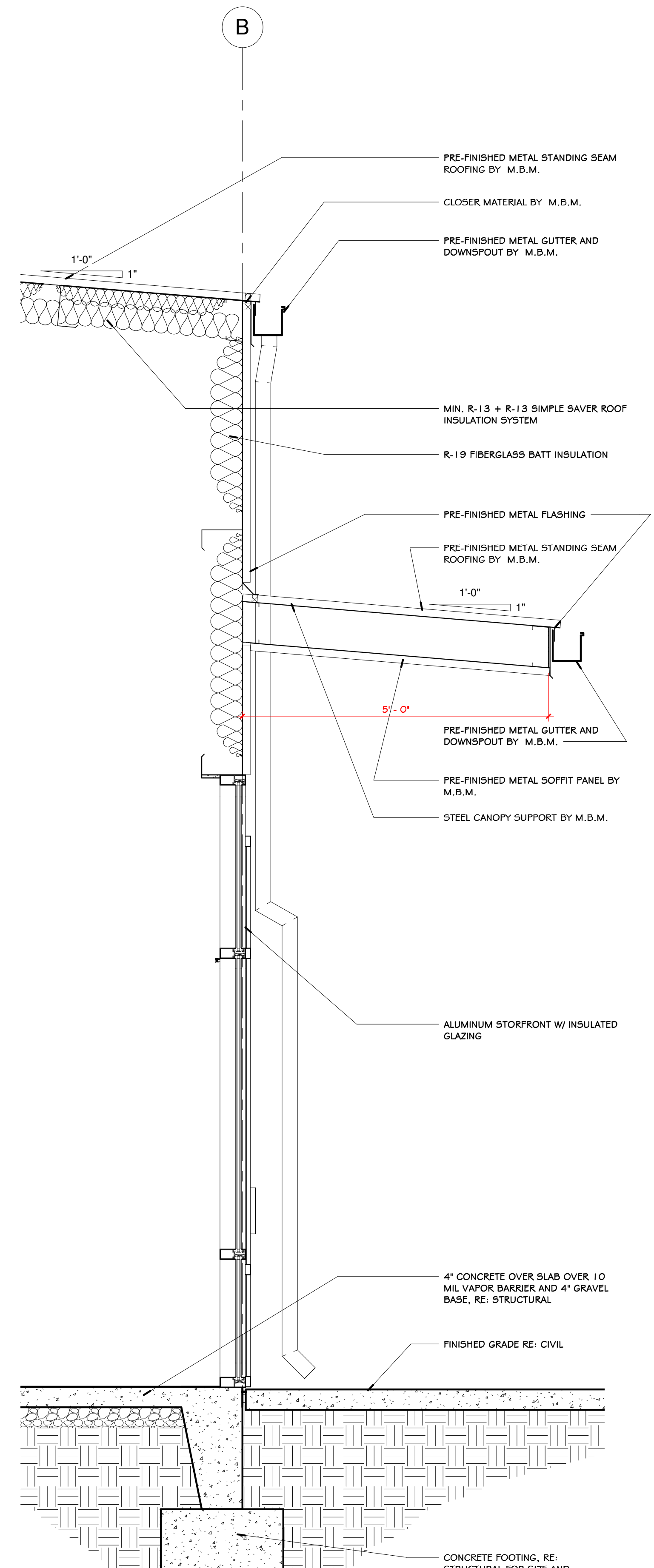
**4** TYP. END WALL SECTION  
SCALE = 3/4" = 1'-0"



**3** SECTION AT PROTRUSION  
SCALE = 3/4" = 1'-0"



**2** SECTION AT WEST WALL  
SCALE = 3/4" = 1'-0"



**1** SECTION AT ENTRY  
SCALE = 3/4" = 1'-0"



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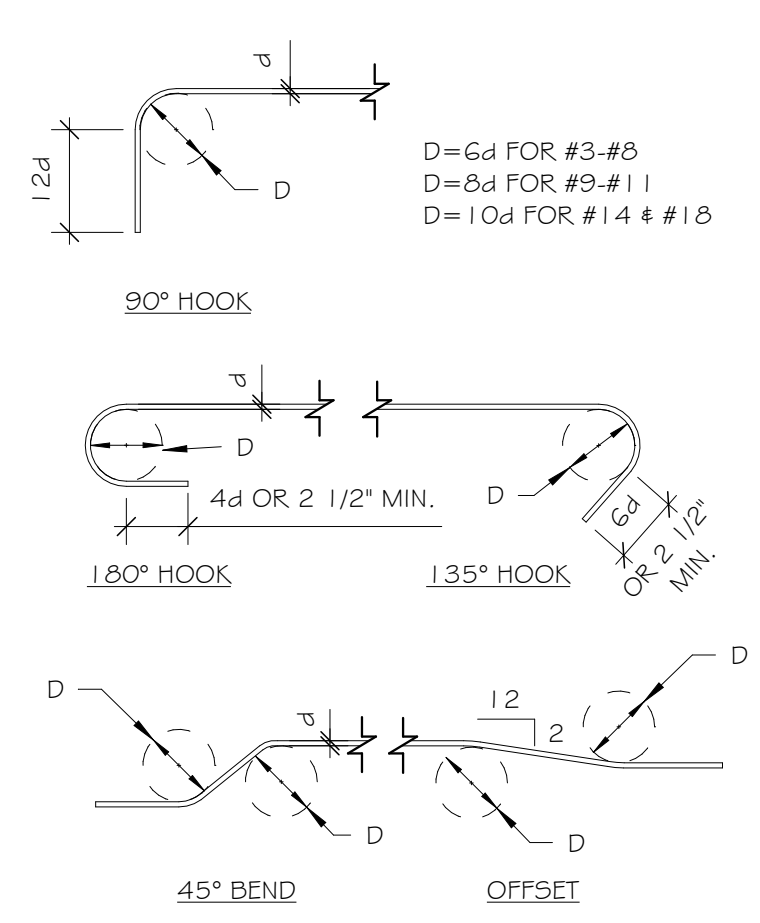
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PROJECT #	CHECKED BY
2169	JTK

SHEET  
**A3.1**  
WALL SECTIONS

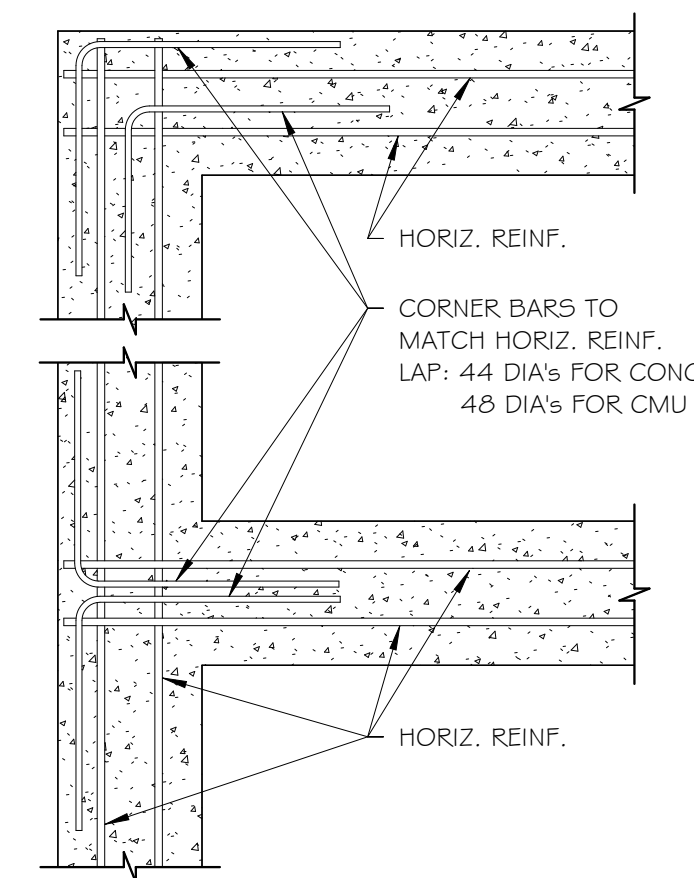
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STRUCTURAL NOTES

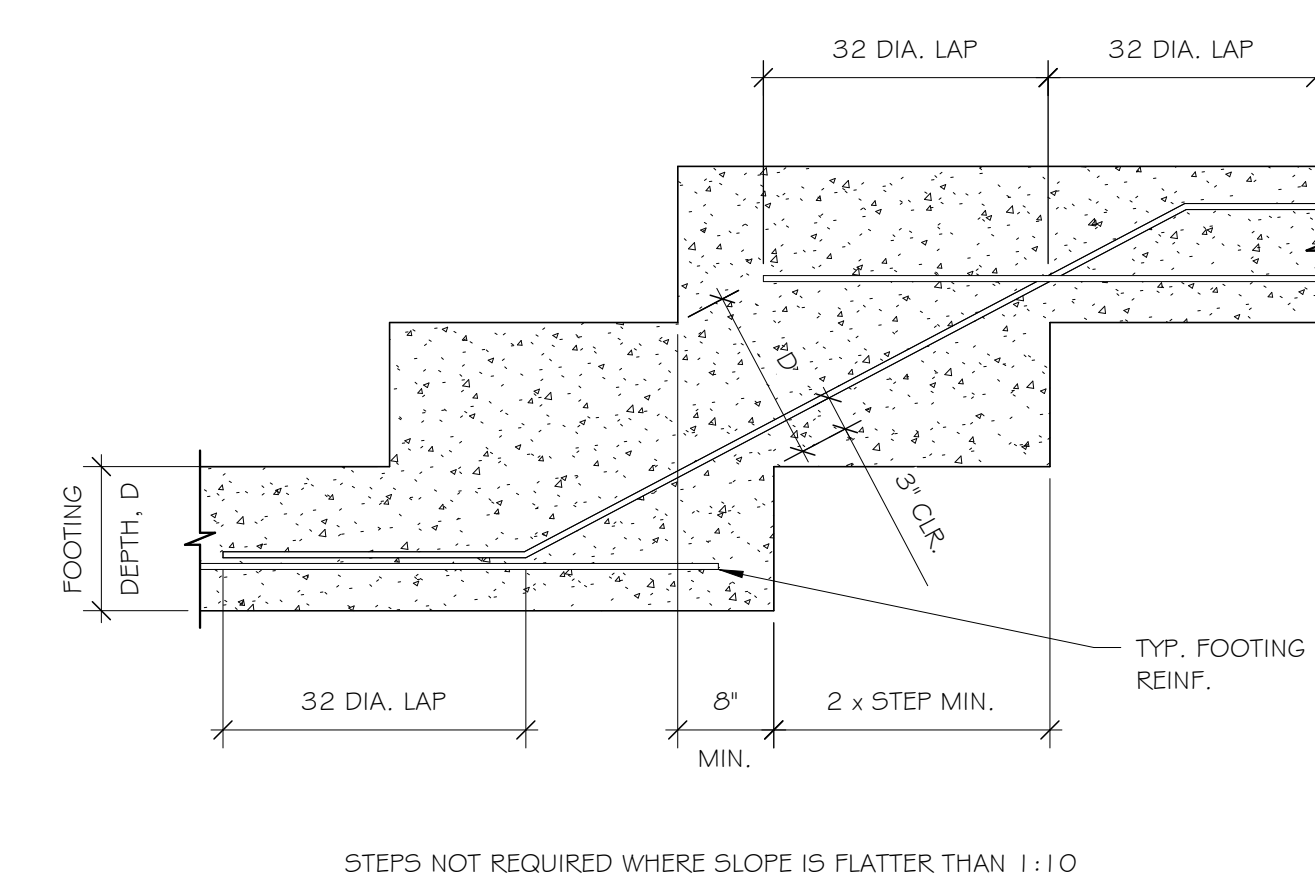
- ALL ELEVATIONS ARE GIVEN WITH REFERENCE TO FINISH FLOOR DATUM 1'00'-0".
- ALL STRUCTURAL SELECT FILL SHALL BE APPROVED MATERIAL PLACED IN 8" LOOSE LIFTS AND COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY PER STANDARD PROCTOR TESTS (ASTM D-698).
- FOOTINGS ARE TO BEAR ON FIRM RED, TAN AND GRAY LEAN CLAY, VERY STIFF TO HARD CHERTY CLAY WITH SAND OR STRUCTURAL SELECT FILL. ALL EXCAVATIONS SHALL BE CLEAN CUT AND SQUARE.
- FOOTING ELEVATIONS NOTED ARE FOR BIDDING PURPOSES AND SHALL BE LOWERED AS NECESSARY TO OBTAIN THE SPECIFIED BEARING CAPACITY AND COVER.
- THE FOUNDATION IS DESIGNED FOR A BEARING CAPACITY OF 2000 PSF FOR CONTINUOUS FOOTINGS AND 2000 PSF FOR ISOLATED COLUMN FOOTINGS, PROVIDE 24" MIN. FROM FINISH GRADE OR PAVING TO BOTTOM OF FOOTING AT EXTERIOR CONDITIONS. REF. GEOTECHNICAL REPORT DATED MAY 17, 2022 BY MTA ENGINEERS, INC.
- CONCRETE SHALL HAVE A 28 DAY STRENGTH. MAXIMUM SLUMP AND MAXIMUM AGGREGATE SIZE AS FOLLOWS:  
FOOTINGS AND STEMWALLS: 3000 PSI - 6" SLUMP - 1 1/2" AGG.  
INTERIOR SLAB: 3000 PSI - 4" SLUMP - 1" AGG.  
EXTERIOR SLAB: 3500 PSI - 4" SLUMP - 1" AGG.
- ALL CONCRETE EXPOSED TO FREEZE/THAW SHALL HAVE APPROX. 5% AIR ENTRAINMENT. REINF. STEEL SHALL CONFORM TO GRADE 60 ASTM A-615. LAP ALL CONCRETE REINFORCING 44 BAR DIAMETERS, 12" MINIMUM, UNLESS NOTED OTHERWISE.
- VERIFY ALL DIMENSIONS, SLOPES, DEPRESSIONS, EMBEDMENTS ETC. BEFORE PLACING CONCRETE.
- LAP ALL UNDER-SLAB VAPOR BARRIER SHEETS A MINIMUM OF 6" AT ALL SPLICES.
- PROVIDE SLAB CONTROL JOINTS (CJ) WHERE INDICATED ON PLAN. C.J.'s SHALL BE APPROX. 1/4 OF THE SLAB DEPTH AND SHALL BE ONE OF THE FOLLOWING:  
A. SAWCUT AS SOON AS POSSIBLE WITHIN 12 HOURS OF POUR.  
B. ZIP CAP TYPE JOINT FORMER.  
C. TOOLED JOINTS FOR EXTERIOR SLAB.
- CONST. JOINTS W/ 3/8"x4 1/2" PNA DIAMOND DOWELS AT 18" O.C. MAY BE SUBSTITUTED FOR ANY CONTROL JOINT AND SHALL BE USED WHERE INDICATED ON THE PLAN.
- P.E.M.B. MANUF. SHALL BE RESPONSIBLE FOR PROVIDING SUPPORT (LATERAL AND GRAVITY) FOR ALL VENEER.
- DESIGN CRITERIA  
CODE: 2012 ARKANSAS FIRE PREVENTION CODE  
ROOF LIVE LOAD: 20 PSF  
ROOF DEAD LOAD: PER P.E.M.B.  
ROOF COLLATERAL LOAD: PER P.E.M.B.  
SNOW LOAD  
GROUND SNOW LOAD, P<sub>g</sub>: 20 PSF  
FLAT ROOF SNOW LOAD, P<sub>f</sub>: 14 PSF  
DESIGN ROOF SNOW LOAD: PER P.E.M.B.  
SNOW EXPOSURE FACTOR, C<sub>e</sub>: 1.0  
SNOW LOAD IMPORTANCE FACTOR, I<sub>s</sub>: 1.0  
THERMAL FACTOR, C<sub>t</sub>: 1.0  
WIND LOAD  
BASIC WIND SPEED V<sub>ult</sub>: 115 MPH  
BASIC WIND SPEED V<sub>asd</sub>: 90 MPH  
WIND IMPORTANCE FACTOR, I<sub>w</sub>: 1.0  
RISK CATEGORY: II  
WIND EXPOSURE CATEGORY: C  
INTERNAL PRESSURE COEFF.: +0.18, -0.18  
COMPONENTS & CLADDING (ASD): PER P.E.M.B.  
SEISMIC LOAD  
SEISMIC RISK CATEGORY: II  
SEISMIC IMPORTANCE FACTOR: 1.0  
MAPPED SPECTRAL RESPONSE COEFF.: S<sub>s</sub> = 0.170, S<sub>1</sub> = 0.094  
SPECTRAL RESPONSE COEFF.: S<sub>0.5</sub> = 0.136, S<sub>0.1</sub> = 0.106  
SITE CLASS: B  
SEISMIC DESIGN CATEGORY: C  
THIS FOUNDATION DESIGN COMPLIES WITH THE ARKANSAS SEISMIC STANDARDS.



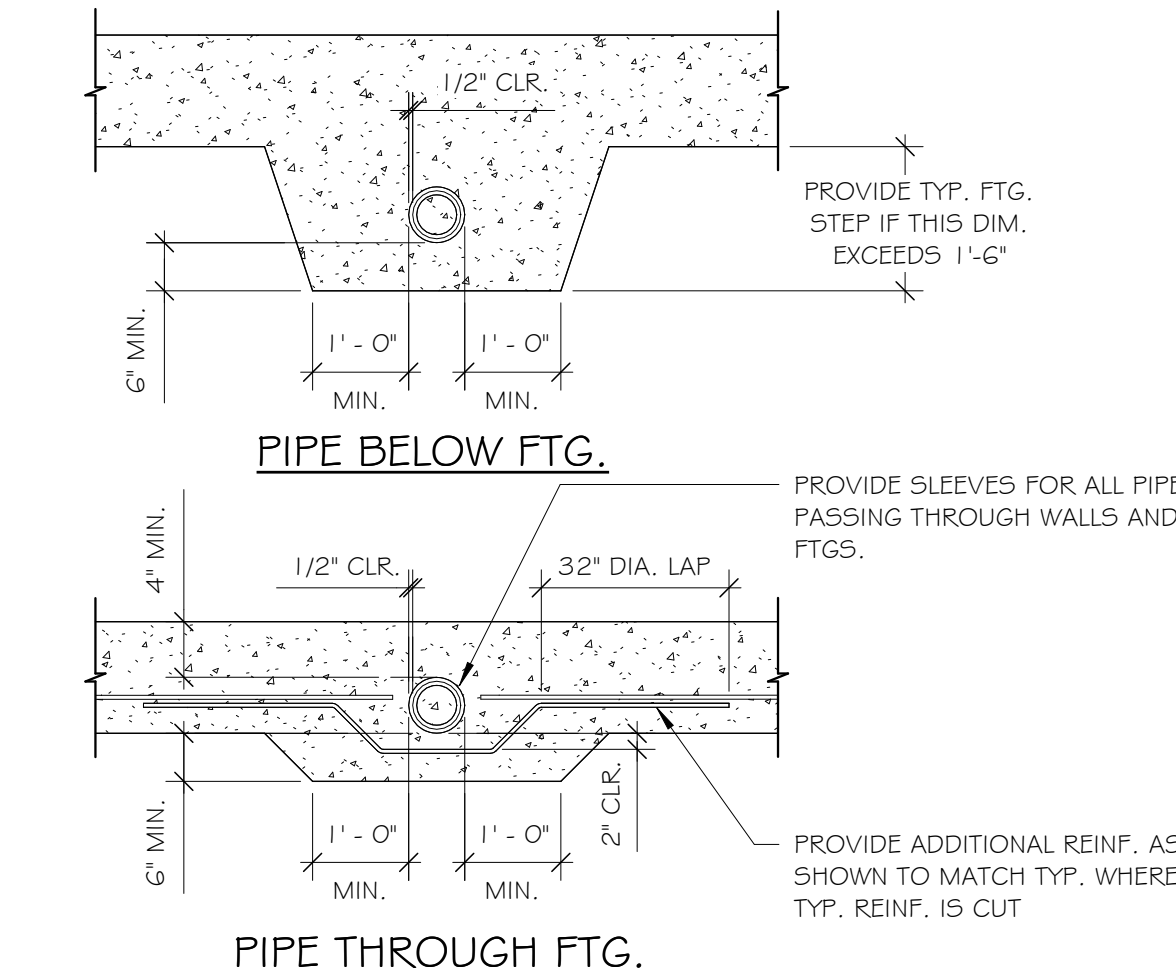
1 TYP. RE-BAR BEND DETAIL  
3/4" = 1'-0"



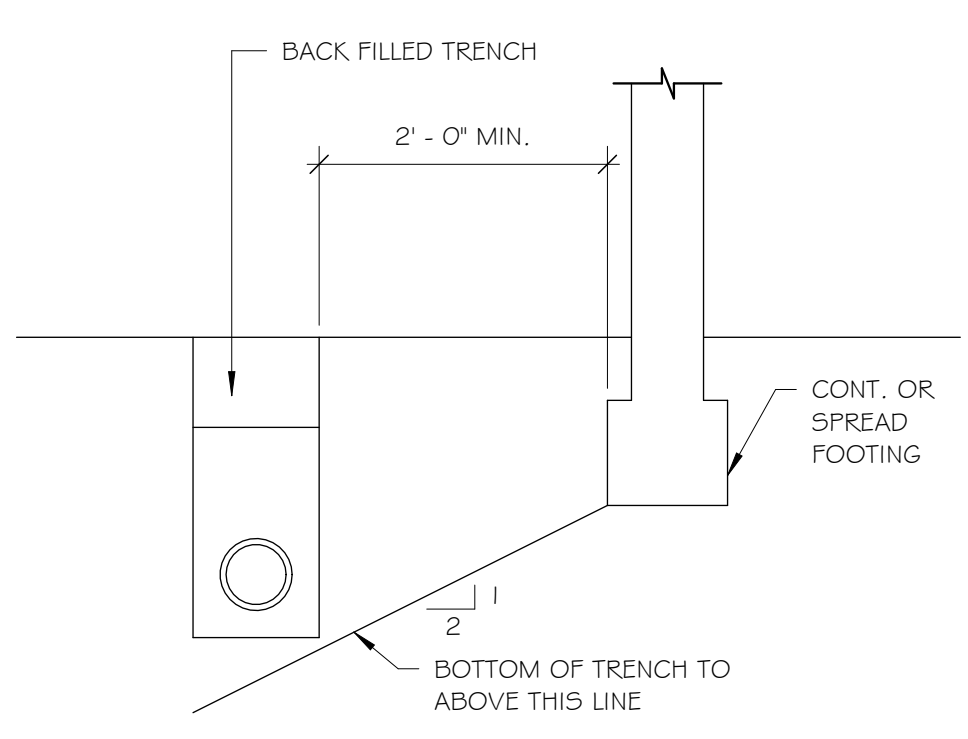
2 TYP. CORNER BARS FOR WALLS AND FTGS.  
3/4" = 1'-0"



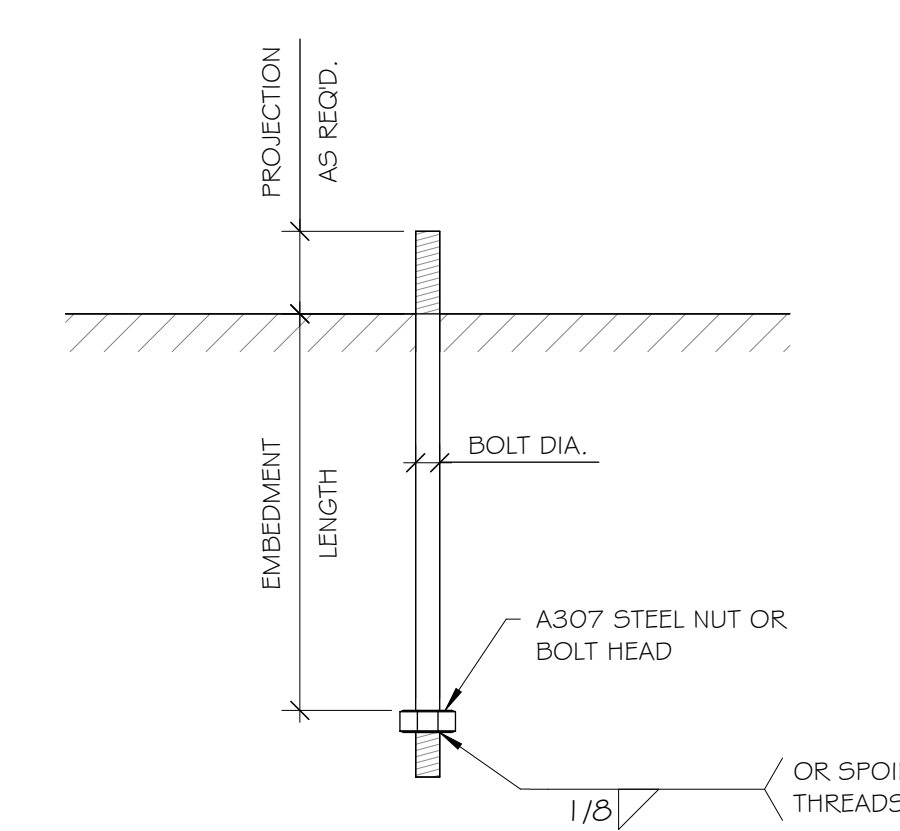
3 TYPICAL STEPPED FOOTING  
3/4" = 1'-0"



4 PIPE PERPENDICULAR TO FTG.  
1/2" = 1'-0"



5 TRENCHES PARALLEL TO FTG.  
3/4" = 1'-0"



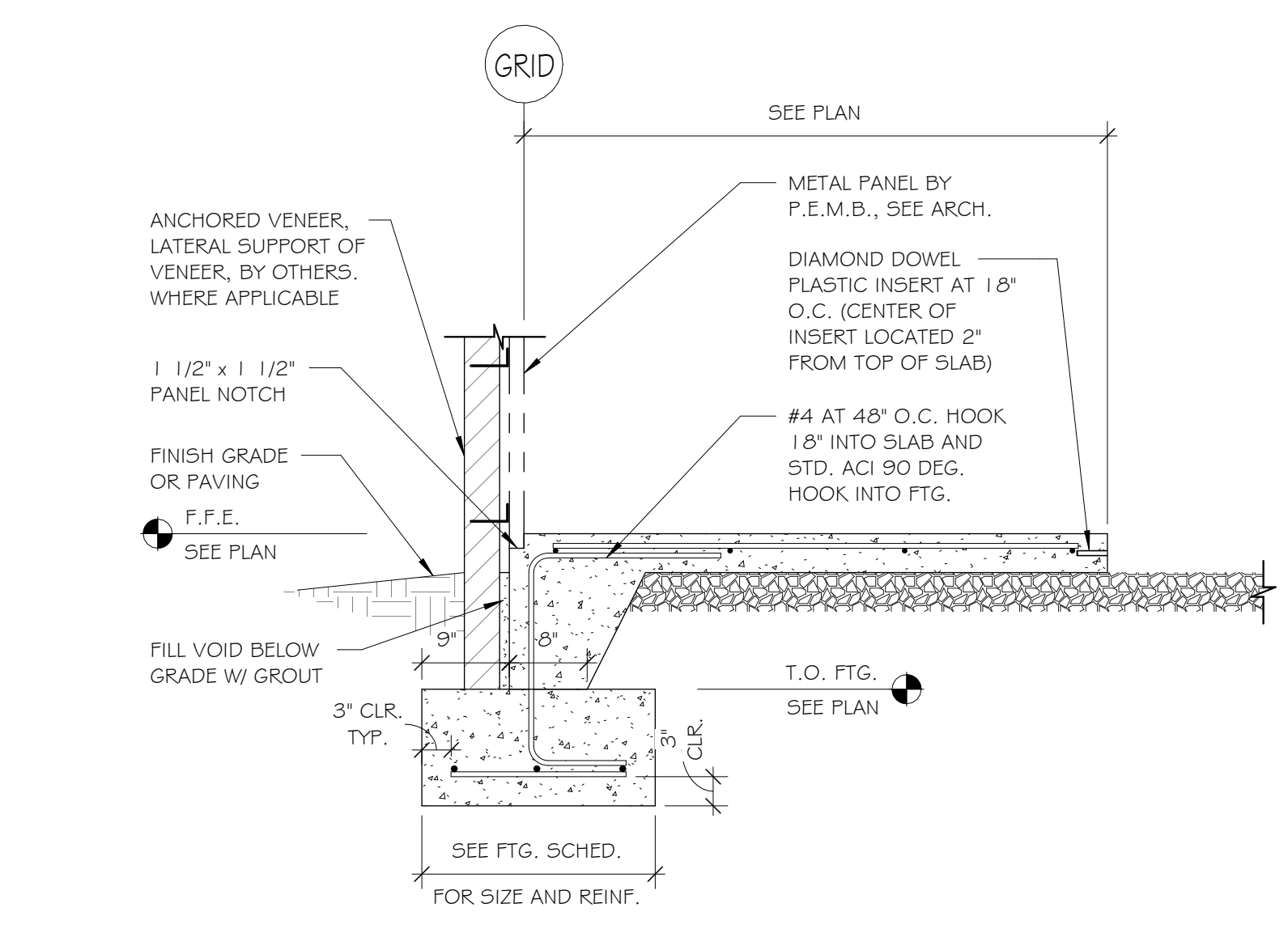
6 TYPICAL ANCHOR BOLT  
3/4" = 1'-0"

SPECIAL INSPECTIONS	
STRUCTURAL SPECIAL INSPECTIONS ARE REQUIRED PER SECTION 1705 OF THE 2012 ARKANSAS FIRE PREVENTION CODE. REFER TO SHEET S2 FOR THE FOLLOWING INFORMATION REGARDING THE REQUIREMENTS OF SPECIAL INSPECTIONS:	
1. THE MATERIALS, SYSTEMS, COMPONENTS AND WORK REQUIRED TO HAVE SPECIAL INSPECTION OR TESTING BY THE BUILDING OFFICIAL OR BY THE REGISTERED DESIGN PROFESSIONAL RESPONSIBLE FOR EACH PORTION OF THE WORK.	
2. THE TYPE AND EXTENT OF EACH SPECIAL INSPECTION.	
3. THE TYPE AND EXTENT OF EACH TEST.	
4. ADDITIONAL REQUIREMENTS FOR SPECIAL INSPECTION OR TESTING FOR WIND OR SEISMIC RESISTANCE AS SPECIFIED IN SECTIONS 1705.10, 1705.11 AND 1705.12. (WHEN APPLICABLE)	
5. FOR EACH TYPE OF SPECIAL INSPECTION, IDENTIFICATION AS TO WHETHER IS WILL BE CONTINUOUS SPECIAL INSPECTION OR PERIODIC SPECIAL INSPECTION.	
JLA ENGINEERS INC. DOES NOT PERFORM SPECIAL INSPECTIONS.	

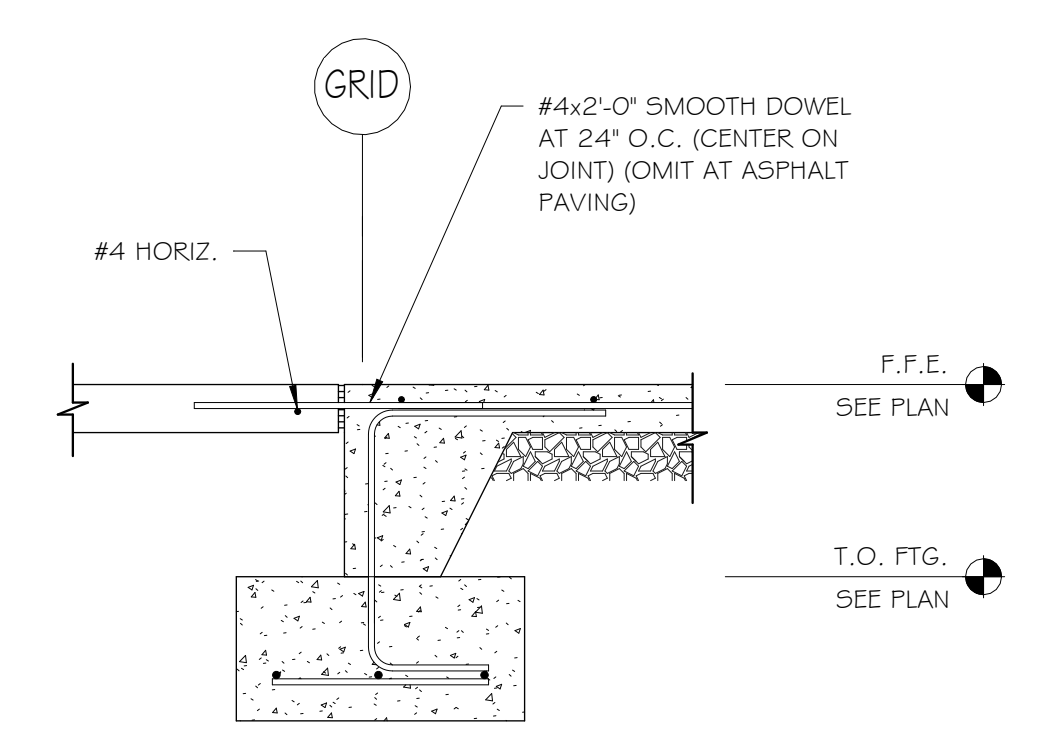
7 SPECIAL INSPECTIONS  
1/8" = 1'-0"

PRE-ENGINEERING METAL BUILDING MANUFACTURER NOTE: THE FOLLOWING DEFLECTION AND DRIFT LIMITS SHALL BE APPLICABLE:	
ROOF SUPPORTED CEILING (PLASTER OR STUCCO):	
1. LIVE LOAD	U/360
2. SEISMIC OR WIND LOAD	U/360
3. DEAD LOAD + LIVE LOAD	U/240
ROOF SUPPORTED CEILING (NON-PLASTER):	
1. LIVE LOAD	U/240
2. SEISMIC OR WIND LOAD	U/180
3. DEAD LOAD + LIVE LOAD	U/120
ROOF NOT SUPPORTING CEILING:	
1. LIVE LOAD	U/180
2. SEISMIC OR WIND LOAD	U/180
3. DEAD LOAD + LIVE LOAD	U/120
GIRTS:	
1. SEISMIC OR WIND LOAD	PER P.E.M.B.
FLEXIBLE FINISH	PER P.E.M.B.
PLASTER/STUCCO FINISH	PER P.E.M.B.
BRICK OR CMU VENEER	PER P.E.M.B.
HORIZONTAL DRIFT:	
1. SEISMIC OR WIND LOAD	H/180
REFER TO 2012 ARKANSAS FIRE PREVENTION CODE.	

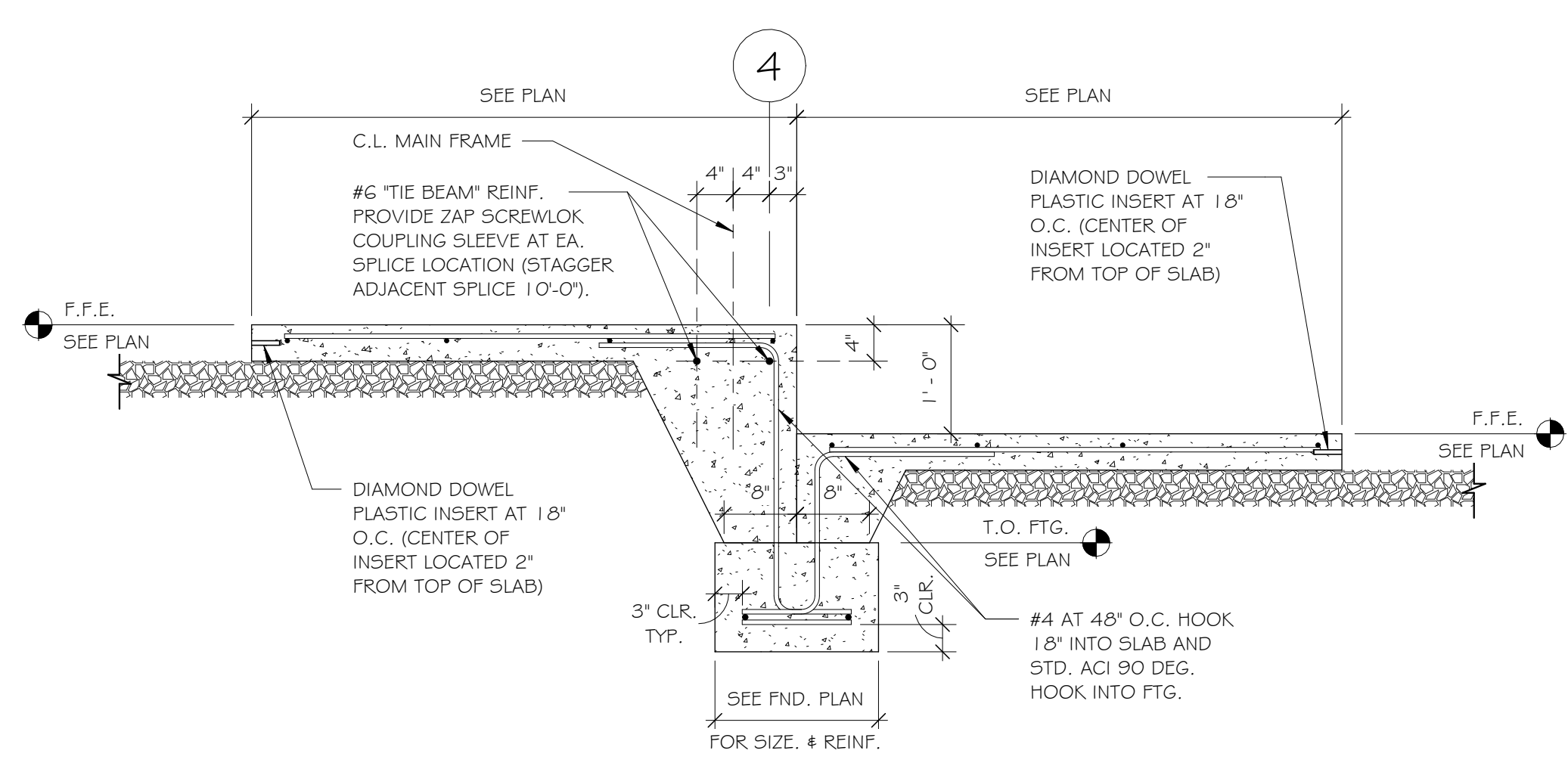
8 PEMB DEFLECTION & DRIFT LIMITS  
3/4" = 1'-0"



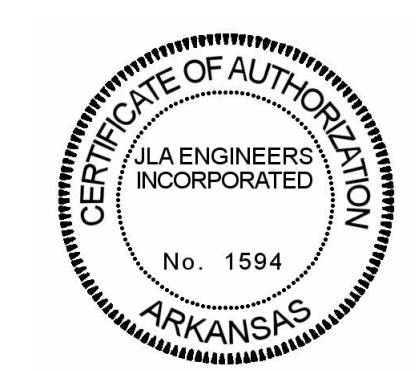
9 TYP. SLAB AT LEAVE-OUT  
3/4" = 1'-0"



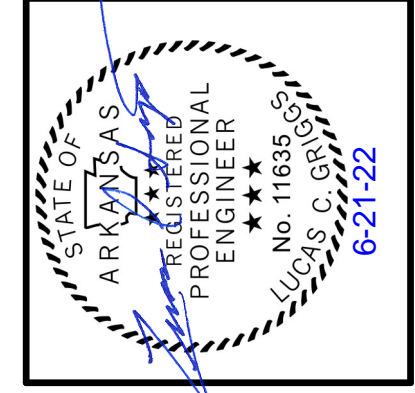
10 TYP. AT EXT. OPNG.  
3/4" = 1'-0"



11 TYPICAL SLAB STEP  
3/4" = 1'-0"



JLA Engineers Incorporated  
STRUCTURAL CONSULTANTS  
213 WEST MONROE AVE., SUITE 91  
LOWELL, ARKANSAS 72745  
TELEPHONE (479) 770-6650  
JLA JOB #3143



KEY ARCHITECTURE INC.  
P.O. BOX 748 FAYETTEVILLE, ARKANSAS 72702  
PH: 479.444.6066 FAX: 479.444.1445

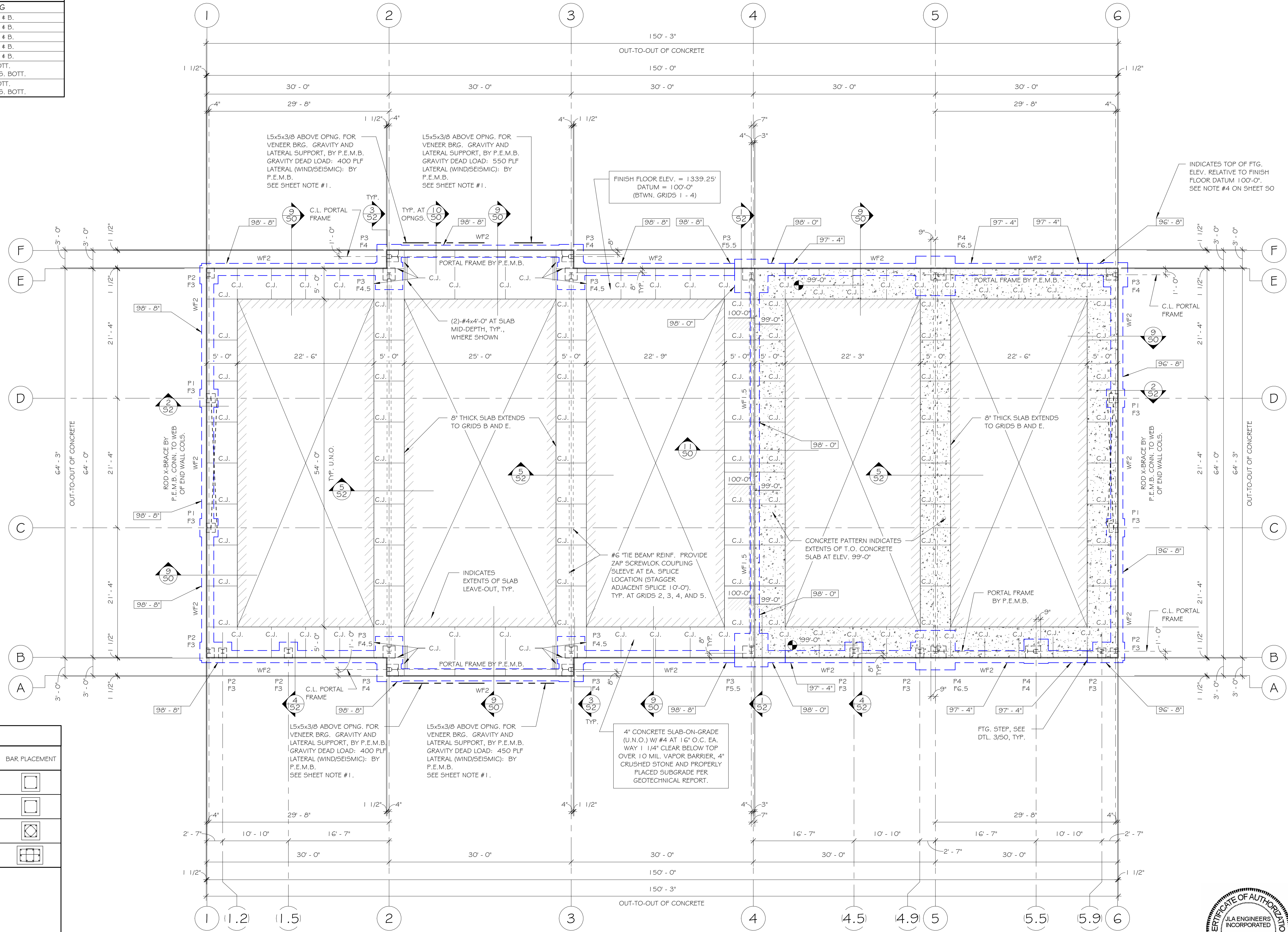
Revision Schedule	Description
Rev. #	Date

NEW OFFICE WAREHOUSE 5-BAY BLDG.  
2247 WORTH LANE  
SPRINGDALE, ARKANSAS  
MTNWA INVESTMENTS, LLC  
1457 E. ROBINSON AVE.  
SPRINGDALE, AR 72764

DATE	DRAWN BY
06/01/22	LCG
PROJECT #	CHECKED BY
2169	LCG
SHEET	
SO	
STRUCT. NOTES AND DTLS.	

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FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
F3	3'-0" SQ. x 12" T.	(3)-#5 EA. WAY T. & B.
F4	4'-0" SQ. x 16" T.	(5)-#5 EA. WAY T. & B.
F4.5	4'-6" SQ. x 16" T.	(6)-#5 EA. WAY T. & B.
F5.5	5'-6" SQ. x 16" T.	(7)-#5 EA. WAY T. & B.
F6.5	6'-6" SQ. x 24" T.	(8)-#6 EA. WAY T. & B.
WF1.5	1'-6" x CONT. x 12" T.	(2)-#5 CONT. BOTT. #4 AT 48" O.C. TRANS. BOTT.
WF2	2'-0" x CONT. x 12" T.	(3)-#5 CONT. BOTT. #4 AT 48" O.C. TRANS. BOTT.



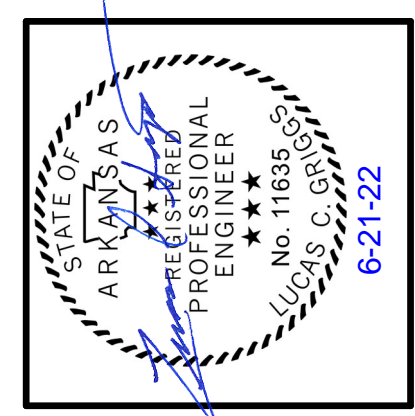
PEDESTAL SCHEDULE				
MARK	SIZE (WIDTH x LENGTH)	VERT. REINF.	TIES	BAR PLACEMENT
P1	18" x 18"	(4)-#5	#3 AT 10" O.C.	
P2	16" x 20"	(4)-#5	#3 AT 10" O.C.	
P3	24" x 24"	(8)-#5	#3 AT 10" O.C. (TWO SETS)	
P4	30" x 24"	(10)-#5	#3 AT 10" O.C. (THREE SETS)	

P.E.M.B. COLUMN ORIENTATION (NOT PORTAL FRAME)

**SHEET NOTES:**

- SUPPORT MEMBER OVER OPENINGS WITH VENEER SHALL BE BY P.E.M.B. THE L5 BEARING MEMBER NOTED IS NOT DESIGNED FOR GRAVITY/LATERAL SUPPORT AND MUST BE CONNECTED TO THE MAIN SUPPORT MEMBER AT A MIN. OF 12" O.C. (CONNECTION AND FASTENER DESIGN BY P.E.M.B.). GRAVITY LOAD NOTED IS FOR DEAD LOAD OF THE VENEER ONLY. LATERAL LOADS SHALL BE DETERMINED BY P.E.M.B. TYPICAL FOUR LOCATIONS NOTED.
- FOOTINGS ARE TO BE CENTERED ON MAIN FRAME COLUMN ANCHOR BOLT LAYOUT, U.N.O.
- NO PANEL NOTCH AT OPENINGS, TYPICAL.
- ALL ANCHOR BOLTS SHALL BE EMBED INTO THE FOOTING PER LENGTHS NOTED IN DETAILS AND AS FOLLOWS: MAIN FRAME COLUMN ANCHOR BOLTS = 12"; END WALL AND SOLDIER COLUMN ANCHOR BOLTS = 9"; PORTAL FRAME ANCHOR BOLTS = 12".

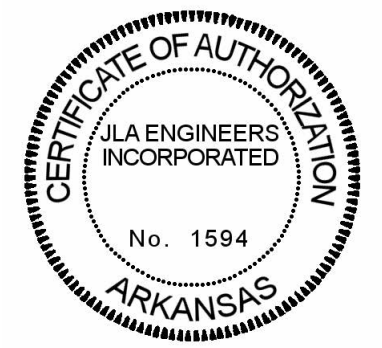
FOUNDATION PLAN  
1/8" = 1'-0"



**KEY ARCHITECTURE INC.**  
 P.O. BOX 748 FAYETTEVILLE, ARKANSAS 72702  
 PH: 479.444.6066 FAX: 479.444.1445

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 SPRINGDALE, ARKANSAS  
 MTNWA INVESTMENTS, LLC  
 1457 E. ROBINSON AVE.  
 SPRINGDALE, AR 72764



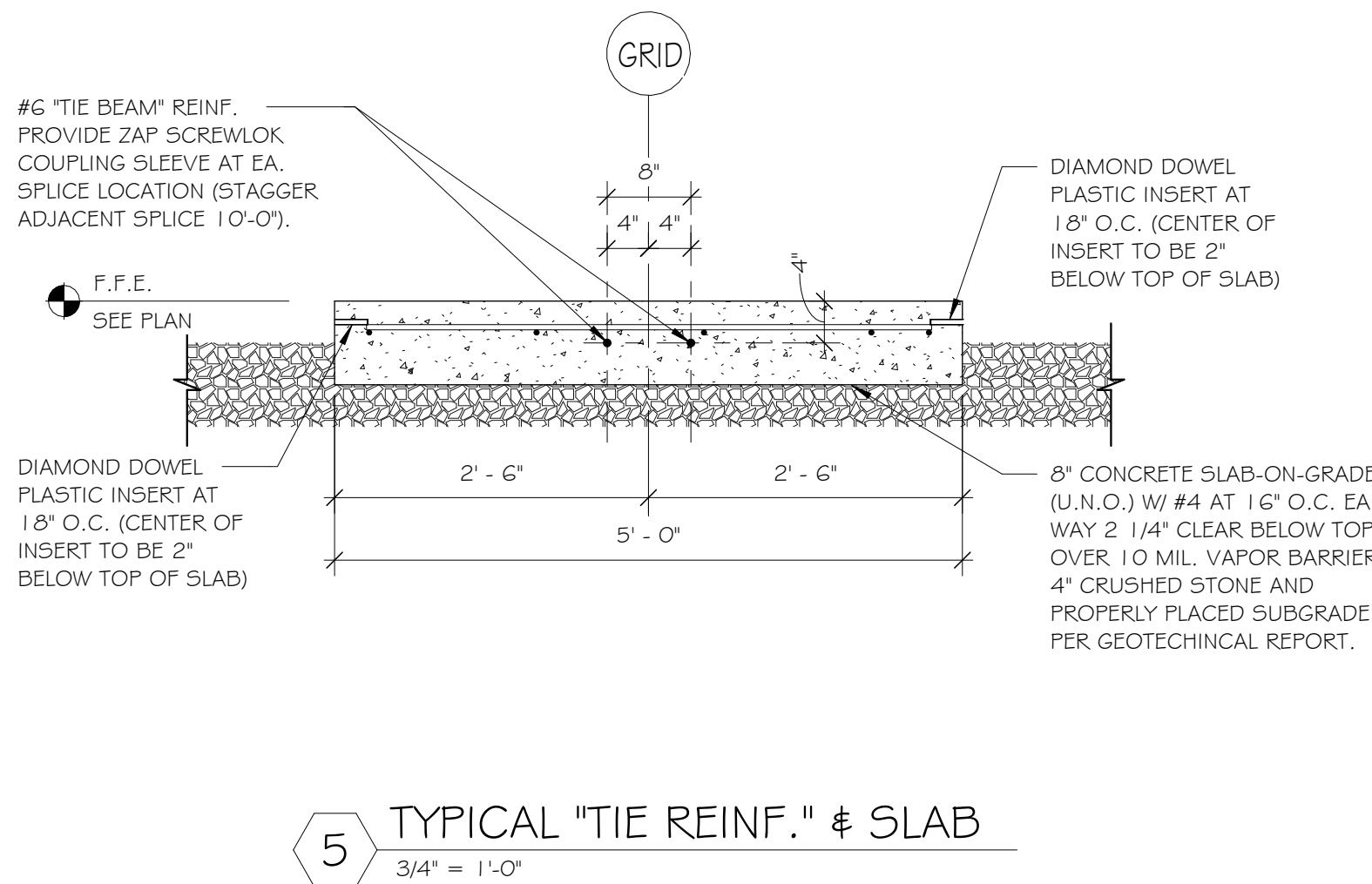
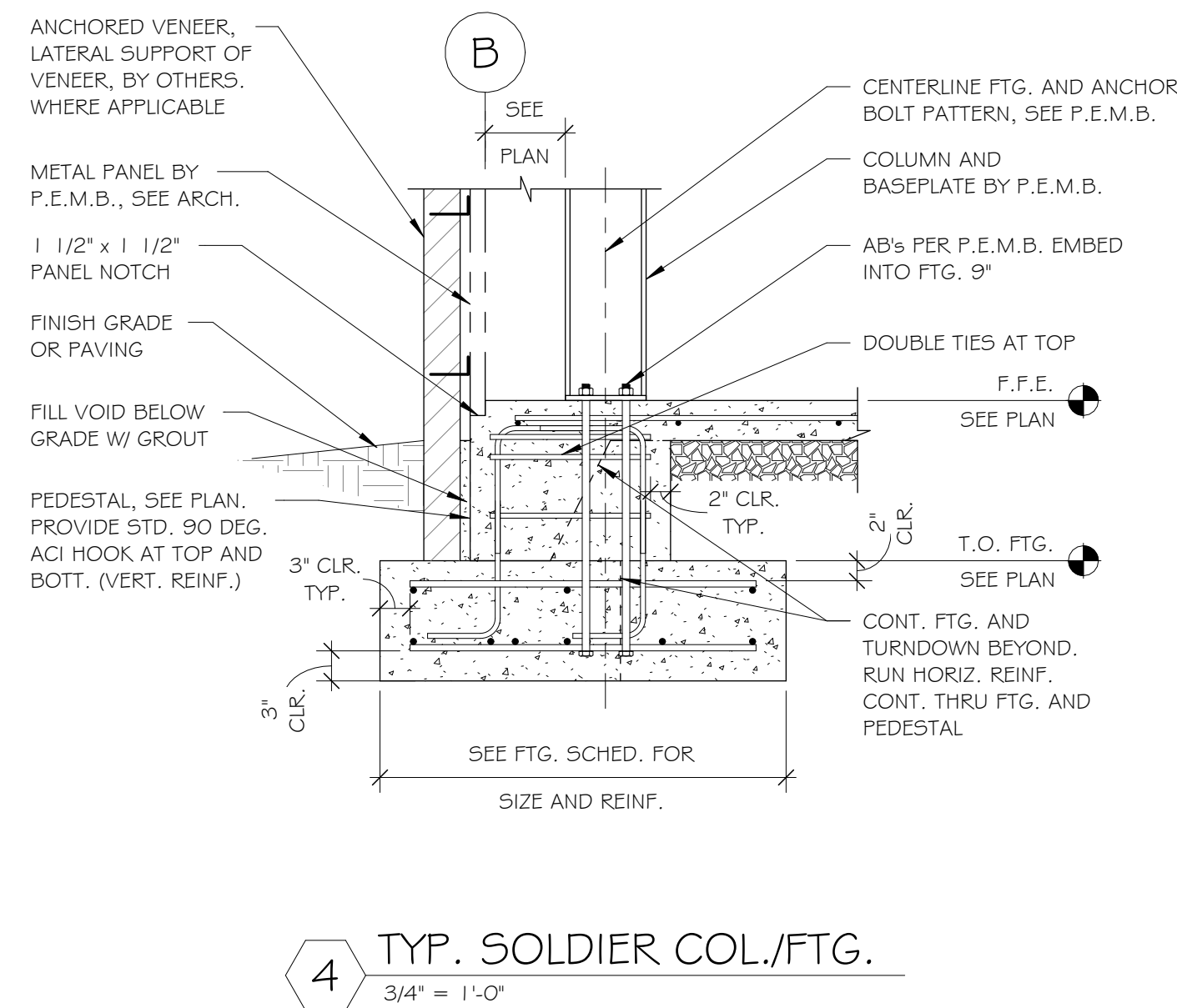
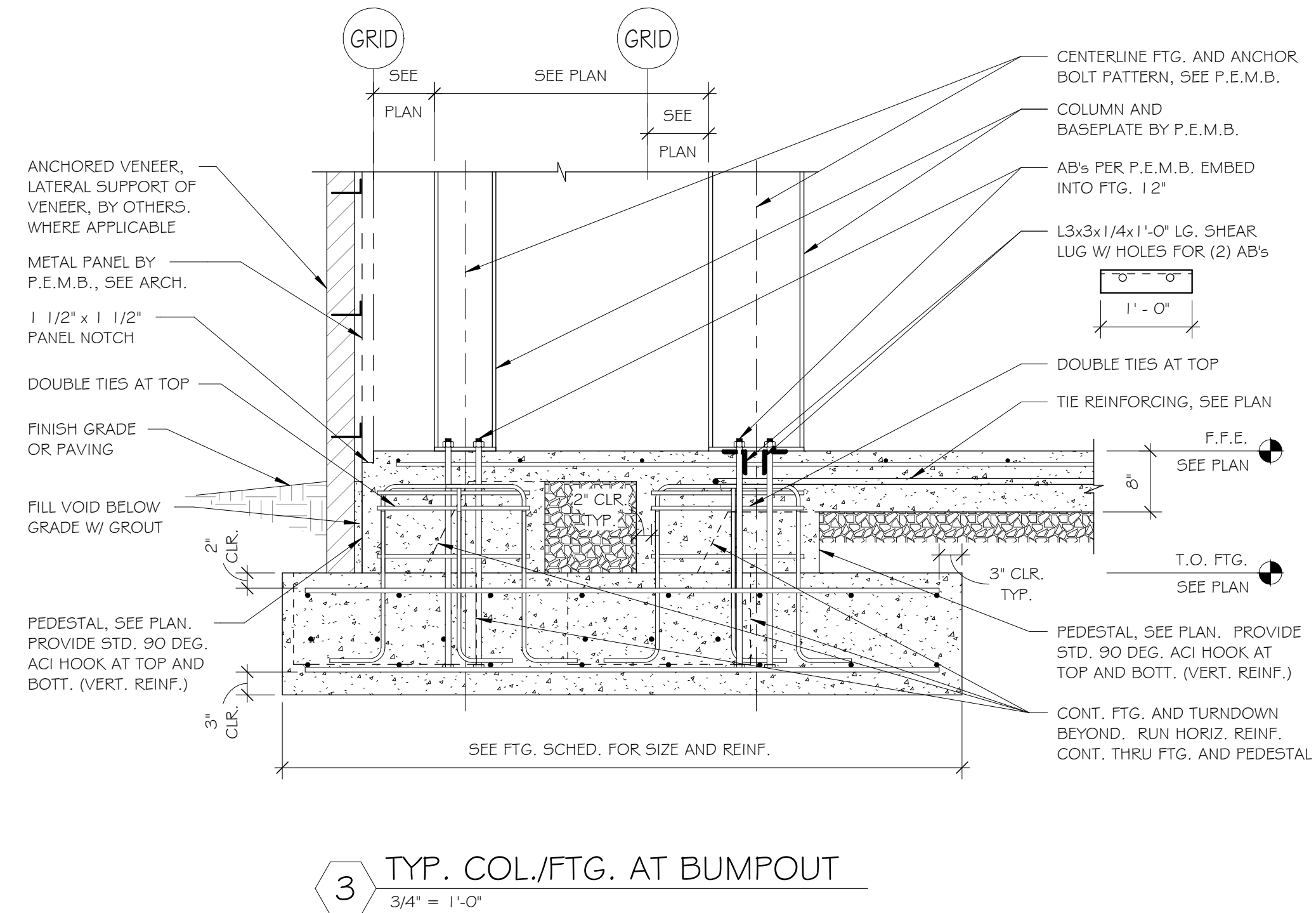
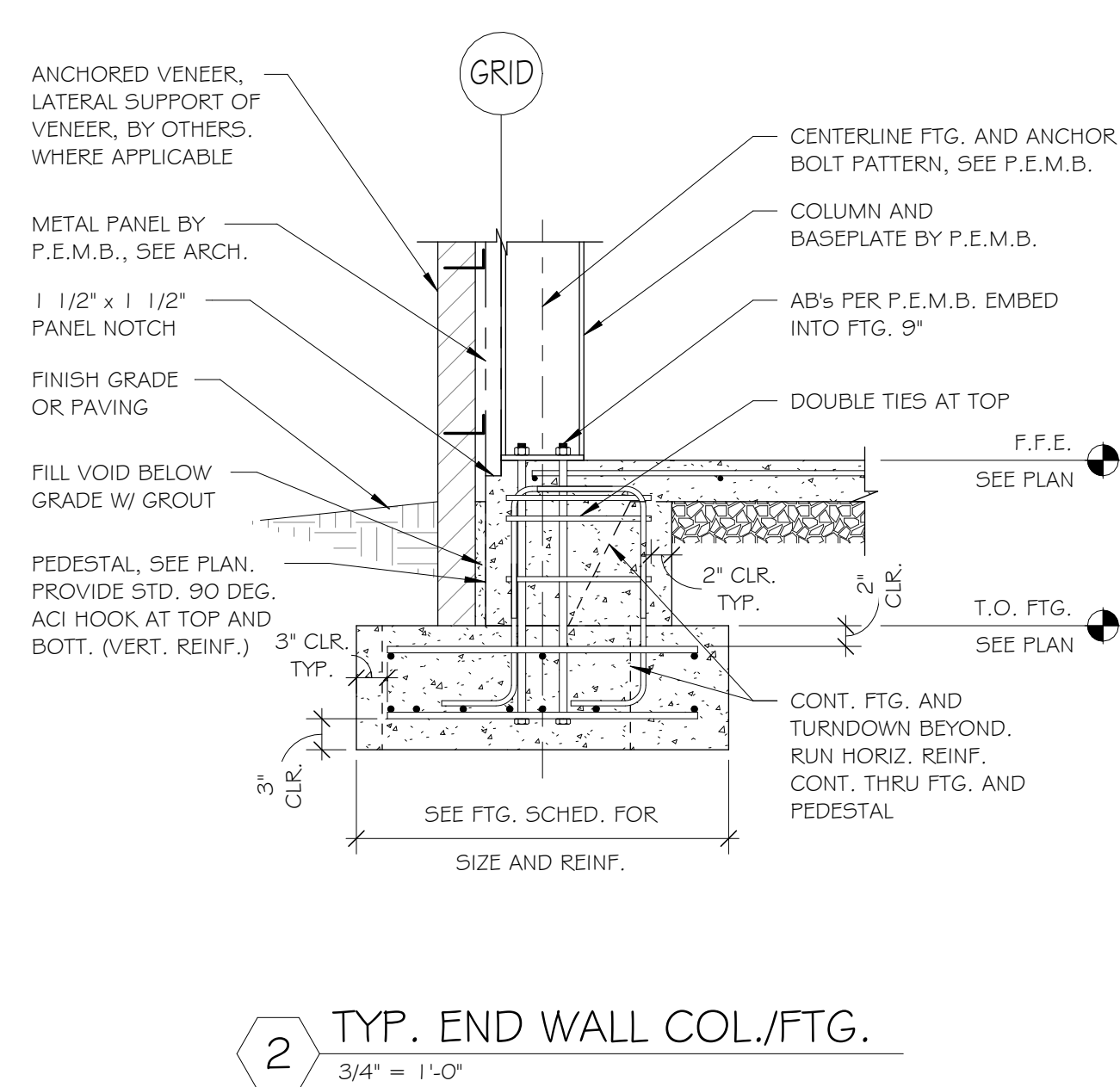
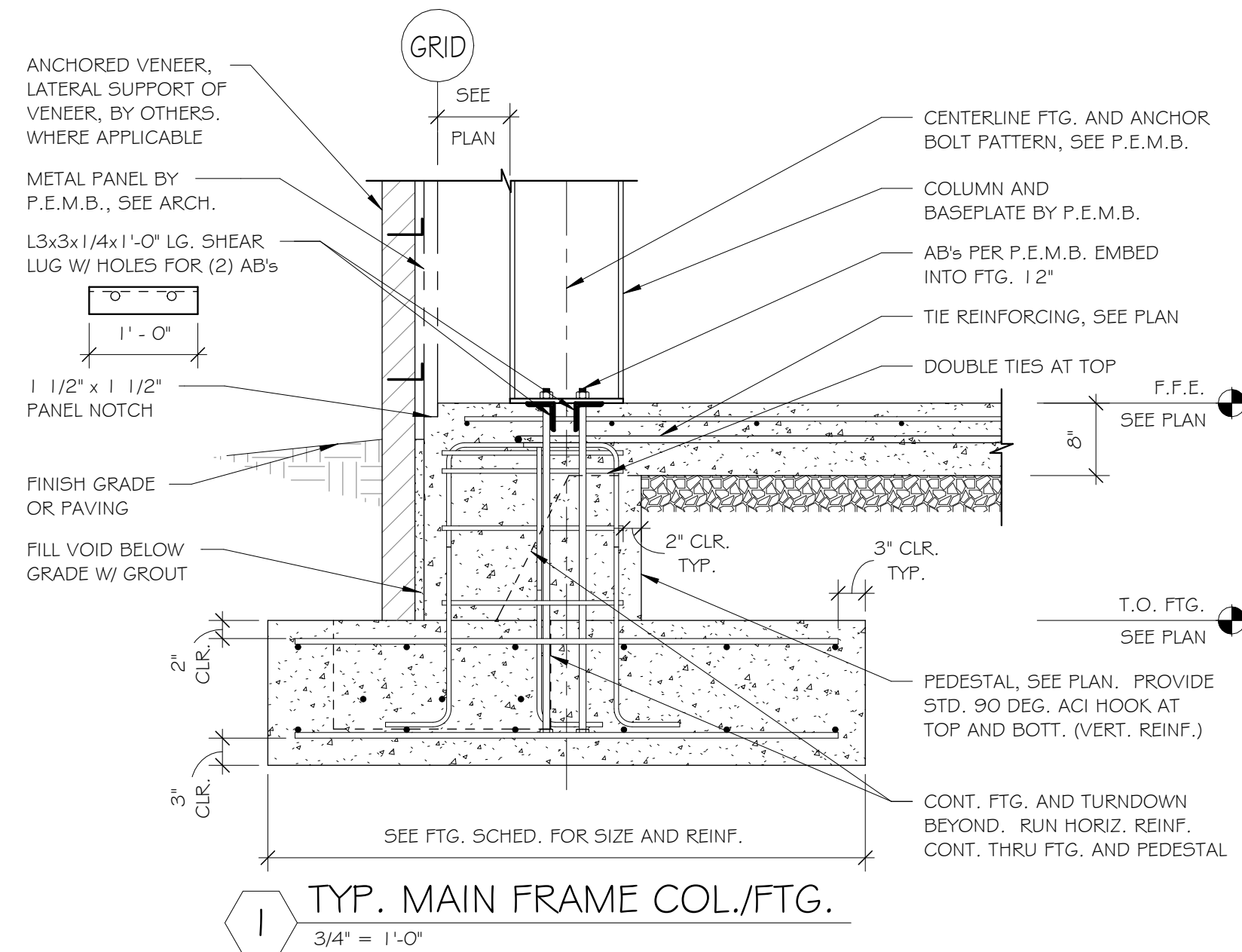
**JLA Engineers Incorporated**  
 STRUCTURAL CONSULTANTS  
 213 WEST MONROE AVE., SUITE 9  
 LOWELL, ARKANSAS 72745  
 TELEPHONE (479) 770-6650  
 JLA JOB #3143

DATE	DRAWN BY
06/01/22	LCG
PROJECT #	CHECKED BY
2169	LCG

SHEET  
**S1**  
 FOUNDATION PLAN

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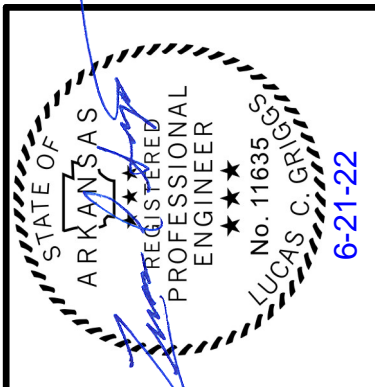
3/4" = 1'-0" 6/21/2022 11:16:00 AM P:\Jobs 3100-3199\3143 Worth Lane Dev 5 BAY WITHOUT OFFICE\STRUCT\5 BAY WITHOUT OFFICE\MTNWA PEMBRY\2022.rvt



SCHEDULE OF SPECIAL INSPECTIONS (STRUCTURAL)			
THIS SCHEDULE OF SPECIAL INSPECTION SERVICES (STRUCTURAL) HAS BEEN PREPARED BY JLA ENGINEERS INC. (STRUCTURAL ENGINEER OF RECORD) AND SHALL BE INCLUDED IN THE STATEMENT OF SPECIAL INSPECTIONS WHICH THE APPLICANT (NOT JLA ENGINEERS INC.) SHALL SUBMIT TO THE BUILDING OFFICIAL AT TIME OF PERMIT APPLICATION IN ACCORDANCE WITH SECTION 1704 OF THE 2012 ARKANSAS FIRE PREVENTION CODE.			
SPECIAL INSPECTION IS THE MONITORING OF THE MATERIALS AND WORKMANSHIP CRITICAL TO THE INTEGRITY OF THE BUILDING STRUCTURE. IT IS A REVIEW OF THE WORK OF THE CONTRACTORS AND THEIR EMPLOYEES TO ENSURE THAT THE APPROVED PLANS AND SPECIFICATIONS ARE BEING FOLLOWED AND THAT THE RELEVANT CODES AND REFERENCED STANDARDS ARE BEING OBSERVED. THE SPECIAL INSPECTION PROCESS IS IN ADDITION TO THE INSPECTIONS CONDUCTED BY THE BUILDING OFFICIAL OR AUTHORITY HAVING JURISDICTION AND STRUCTURAL OBSERVATION BY THE DESIGN PROFESSIONAL.			
SPECIAL INSPECTIONS AND TESTS ARE REQUIRED TO BE PERFORMED BY QUALIFIED, INDEPENDENT AGENTS (NOT JLA ENGINEERS INC.) WITH SPECIAL EXPERTISE AS APPROVED BY THE BUILDING OFFICIAL. THE QUALIFIED, INDEPENDENT AGENTS SHALL BE RETAINED BY THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ACTING AS THE OWNER'S AGENT (NOT JLA ENGINEERS INC.) TO COMPLETE THE SPECIAL INSPECTIONS NOTED IN THIS DOCUMENT. REFER TO SECTION 1704 OF THE 2012 ARKANSAS FIRE PREVENTION CODE.			
SPECIAL INSPECTIONS PER 2012 ARKANSAS FIRE PREVENTION CODE SECTION 1704 ARE REQUIRED TO BE PROVIDED ON ALL PROFESSIONALLY DESIGNED PROJECTS NOT MEETING THE EXCEPTIONS DESCRIBED IN SECTION 1704.2 OR AS DETERMINED BY THE BUILDING OFFICIAL.			
AS PART OF THE GENERAL REQUIREMENTS SECTION 1704 OF THE 2012 ARKANSAS FIRE PREVENTION CODE, SPECIAL INSPECTIONS, CONTRACTOR RESPONSIBILITY AND STRUCTURAL OBSERVATIONS, A STATEMENT OF SPECIAL INSPECTIONS INCLUDING A SCHEDULE OF SPECIAL INSPECTION SERVICES PREPARED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE (NOT JLA ENGINEERS INC.) SHALL BE SUBMITTED TO THE BUILDING OFFICIAL, BY THE APPLICANT, AT TIME OF PERMIT APPLICATION.			
MATERIAL / ACTIVITY	SERVICE	REQD.	EXTENT
1704.2.5 INSPECTION OF FABRICATORS			
VERIFY FABRICATION/QUALITY CONTROL PROCEDURES.	IN-PLANT REVIEW (3)	YES	PERIODIC
1705.6 SOILS			
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATION ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	FIELD INSPECTION	YES	PERIODIC
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	FIELD INSPECTION	YES	PERIODIC
3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	FIELD INSPECTION	YES	PERIODIC
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	FIELD INSPECTION	YES	CONTINUOUS
5. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT THE SITE HAS BEEN PREPARED PROPERLY.	FIELD INSPECTION	YES	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(S) AND/OR TESTING AGENCIES MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL AND/OR THE DESIGN PROFESSIONAL.			
2. THE LIST OF SPECIAL INSPECTORS MAY BE SUBMITTED AS A SEPARATE DOCUMENT.			
3. SPECIAL INSPECTIONS AS REQUIRED BY SECTION 1704.2.5 ARE NOT REQUIRED WHERE THE FABRICATOR IS APPROVED IN ACCORDANCE WITH THE 2012 ARKANSAS FIRE PREVENTION CODE SECTION 1704.2.5.2.			
JLA ENGINEERS INC., HAS PROVIDED THE SCHEDULE OF SPECIAL INSPECTION SERVICES (STRUCTURAL) FOR THE FOUNDATION ONLY. ALL OTHER SPECIAL INSPECTION REQUIREMENTS SHALL BE PROVIDED BY OTHERS.			
JLA ENGINEERS INC. DOES NOT PERFORM SPECIAL INSPECTIONS			



**JLA Engineers Incorporated**  
STRUCTURAL CONSULTANTS  
213 WEST MONROE AVE., SUITE 6  
LOWELL, ARKANSAS 72745  
TELEPHONE (479) 770-6650  
JLA JOB #3143



**KEY ARCHITECTURE INC.**  
P.O. BOX 748 FAYETTEVILLE, ARKANSAS 72702  
PH: 479.444.6066 FAX: 479.444.1445

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SPRINGDALE, ARKANSAS  
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1457 E. ROBINSON AVE.  
SPRINGDALE, AR 72764

DATE	DRAWN BY
06/01/22	LCG
PROJECT #	CHECKED BY
2169	LCG

SHEET  
**S2**  
FOUNDATION DETAILS

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GENERAL NOTES

GENERAL NOTES

- 1. REFERENCE TO RELATED WORK: "REF" INDICATIONS DENOTE WORK COVERED ELSEWHERE (ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL, LANDSCAPE, OR KITCHEN), OR ITEM BASED ON A SPECIFIC MANUFACTURER'S DIMENSIONS (VERIFY).

- 7. ADJUSTMENTS: ALL EQUIPMENT, MOTORS, FANS, GAS BURNERS, IGNITION DEVICES, DRIVES, ETC. SHALL BE ADJUSTED AND BALANCED TO OPERATE AT SPECIFIED RATINGS AS REQUIRED FOR THIS PROJECT SITE AND ACCOUNTING FOR ELEVATION ABOVE SEA LEVEL.

PLUMBING NOTES

- 1. CONNECTIONS: PROVIDE PLUMBING FIXTURE CONNECTIONS TO BUILDING WASTE, VENT, COLD WATER, AND HOT WATER SYSTEM IN ACCORDANCE WITH DRAWINGS, MANUFACTURER'S RECOMMENDATIONS, AND LOCAL CODES. CONNECT TO EACH FIXTURE, EQUIPMENT, ETC. WITH ALL ACCESSORIES, VALVES, VACUUM BREAKERS, REGULATORS, UNIONS, ETC. AS REQUIRED AND AS RECOMMENDED BY THE MANUFACTURERS. REFER TO PLUMBING FIXTURE CONNECTION SCHEDULE ON PLANS.

- 17. HOT WATER RECIRCULATING BALANCING VALVE VALVES TO BE BELL & GOSSET CIRCUIT SETTER (OR WATTS EQUIVALENT) WITH INTEGRAL READOUT PORTS, ADJUSTMENT KNOB, DRAIN CONNECTION, AND POSITIVE SHUTOFF.

INSULATION/LINING NOTES

- 1. ENERGY CODE: AS A MINIMUM, COMPLY WITH THICKNESSES AND TYPES LISTED IN ENERGY CODE ENFORCED BY AHJ.

PIPE MATERIALS

APPROVED PLUMBING MATERIAL:

ALL SANITARY SYSTEM MATERIALS SHALL BE LISTED BY AN APPROVED LISTING AGENCY.

- 1. UNDERGROUND SERVICE ENTRANCE PIPING: COPPER, TYPE K, PLASTIC WRAP UNDERGROUND WATER SUPPLY PIPING TO PREVENT CORROSION.

ALL CAST IRON SOIL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE (CISPI) AND BE LISTED BY NSF INTERNATIONAL.

EXCEPTION: SOLID WALL PVC SCH. 40 ASTM D2665 IS APPROVED ONLY FOR UNDERSLAB PIPING WITH PROPER TRENCHING PER ASTM D2321, FOR PARKING GARAGE AND BUILDING WITH MAXIMUM 3 STORIES. PRIOR TO BIDDING, CONTRACTOR SHALL CONTACT LOCAL AHJ FOR ACCEPTANCE OF PVC PIPING UNDERSLAB, EXPANSION LOOP OR EXPANSION JOINTS SHALL BE PROVIDED PER PIPING MANUFACTURER RECOMMENDATION.

NOTE 1: PVC PIPING SHALL NOT BE USED FOR RECEPTOR & TRAP ARM WHERE WASTE TEMPERATURE CAN EXCEED 110°F. THIS INCLUDE PIPING AND RECEPTORS FOR 3 COMP SINK, DISHWASHER, COMMERCIAL LAUNDRY SINK, AND CONDENSATION DRAIN FOR GAS FIRED EQUIPMENT.

NOTE 2: TRAP ARM FOR WASTE RECEPTOR OF SODA DISPENSER SHALL BE MADE OF SOLID CORE PVC SCH. 40 ASTM D2665. CAST IRON PIPING IS NOT ALLOWED FOR HIGH ACIDITY DRAINS. (PH-3)

NOTE 3: FOAM (CELLULAR) CORE PVC PIPING/FITTING IS PROHIBITED BY ENGINEERING.

- 4. CONDENSATE DRAIN PIPING: CPVC OR COPPER TYPE M.

ABBREVIATIONS

Table listing abbreviations for various plumbing components such as ACU (AIR CONDITIONING UNIT), AFF (ABOVE FINISHED FLOOR), AHJ (AUTHORITY HAVING JURISDICTION), BHP (BRAKE HORSEPOWER), BOH (BACK OF HOUSE), BTUH (BRITISH THERMAL UNIT PER HOUR), etc.

SYMBOLS

Table listing symbols for various plumbing components such as PIPE CAP, PIPE PLUG, UNION, FLANGE, CLEANOUT, WYE STRAINER, etc.

CONTRACTOR SUBSTITUTIONS & REVISIONS

CONTRACTOR SUBSTITUTIONS & REVISIONS:

PLEASE SUBMIT PROPOSALS FOR SUBSTITUTIONS OR REVISIONS FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIAL OR DOING WORK. FOR EQUIPMENT THAT IS SCHEDULED BY MANUFACTURER'S NAME AND CATALOG DESIGNATIONS, THE MANUFACTURER'S PUBLISHED DATA AND/OR SPECIFICATION FOR THAT ITEM ARE CONSIDERED PART OF SPECIFICATION. ENGINEERING COSTS FOR REVISING MEP PLANS SHALL BE ADDRESSED IN THE COST ANALYSIS OF THE SUBSTITUTION PROPOSAL. CONTRACTOR TO COORDINATE WITH ENGINEER AND DETERMINE ASSOCIATED DESIGN AND PERMITTING COSTS. CONTRACTOR SHALL BE RESPONSIBLE FOR OTHER COSTS ASSOCIATED WITH UNFORESEEN ISSUES RESULTING FROM SUBSTITUTIONS OR REVISIONS.

DRAWINGS ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, CONNECTIONS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.

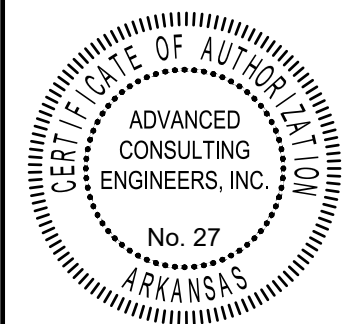
DRAWING INDEX

Table with columns DWG and DESCRIPTION, listing drawing numbers and their corresponding descriptions like P000 LEGEND, GENERAL NOTES & DRAWING INDEX, P100 SEWER, AND GAS PLUMBING PLAN, etc.

APPLICABLE CODES

THESE DRAWINGS ARE BASED ON THE FOLLOWING CODES:

- 2012 INTERNATIONAL BUILDING CODE (IBC)
2010 ARKANSAS STATE MECHANICAL CODE (IMC)
2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2018 ARKANSAS STATE PLUMBING CODE (IMC)



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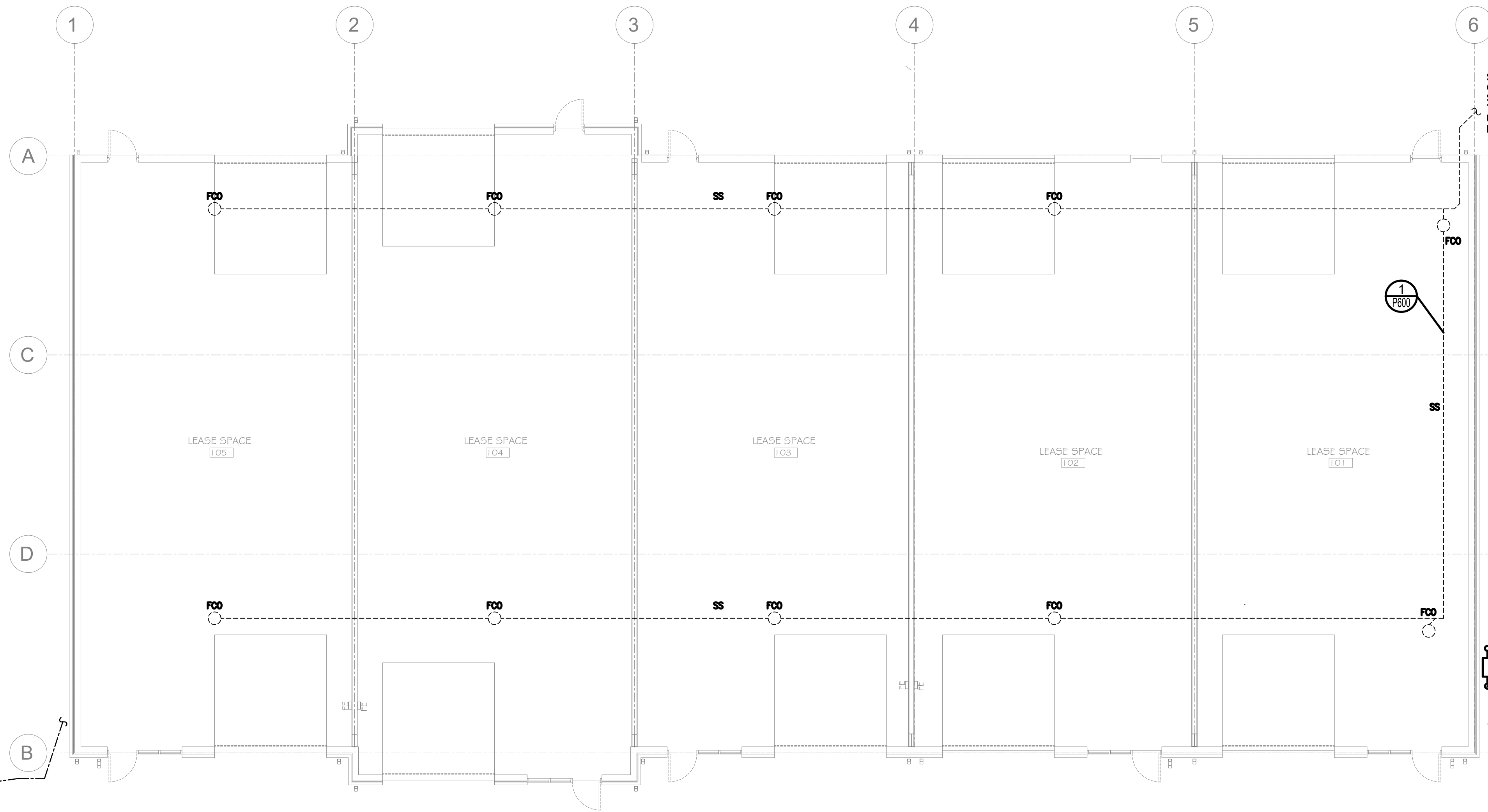
KEY ARCHITECTURE INC. P.O. BOX 748 FAYETTEVILLE, ARKANSAS 72702 PH: 479-444-6066 FAX: 479-444-1445

Revision Schedule table with columns Rev.#, Date, Description.

NEW OFFICE WAREHOUSE 5-BAY BLDG. 2247 WORTH LANE SPRINGDALE, ARKANSAS MTNWA INVESTMENTS, LLC 1457 E. ROBINSON AVE. SPRINGDALE, AR 72764

DATE, DRAWN BY, PROJECT #, CHECKED BY, SHEET P-000

ACEI ADVANCED CONSULTING ENGINEERS MECHANICAL ELECTRICAL INDUSTRIAL PO BOX 427 ROGERS, AR 72756 PH 479-631-1712 FX 479-631-1854 ACEI@ADVENGINEERS.COM



SEE CIVIL PLAN FOR CONTINUATION OF WATER SERVICE. CONTRACTOR TO COORDINATE WITH WATER UTILITY FOR METER SIZES. THERE WILL BE TWO FUTURE SERVICES ON THIS END OF THE BUILDING.

SEE CIVIL PLAN FOR CONTINUATION OF SANITARY SEWER SERVICE. CONTRACTOR TO COORDINATE WITH CITY UTILITY FOR CONNECTION LOCATION.

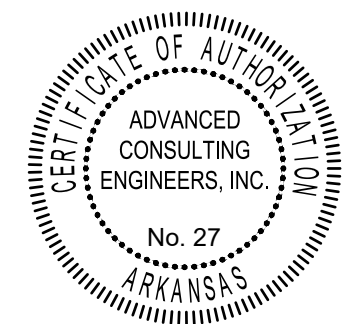
CONTRACTOR TO EXTEND TO EXISTING GAS SERVICE WITH NEW METER. ALL WORK TO BE COORDINATED WITH THE GAS UTILITY.

SEE CIVIL PLAN FOR CONTINUATION OF GAS SERVICE. CONTRACTOR TO COORDINATE WITH GAS UTILITY FOR METER SIZES AND LOCATIONS. THERE WILL BE ONE SERVICE AT THIS TIME AND FOUR FUTURE SERVICES AT THIS END OF THE BUILDING.

SEE CIVIL PLAN FOR CONTINUATION OF WATER SERVICE. CONTRACTOR TO COORDINATE WITH WATER UTILITY FOR METER SIZES. THERE WILL BE ONE SERVICE AT THIS TIME AND TWO FUTURE SERVICES ON THIS END OF THE BUILDING.

# 1 SEWER / GAS MAINS

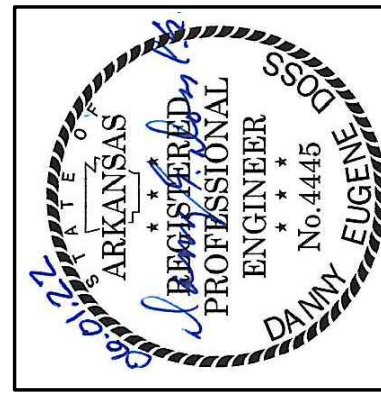
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MECHANICAL ELECTRICAL INDUSTRIAL

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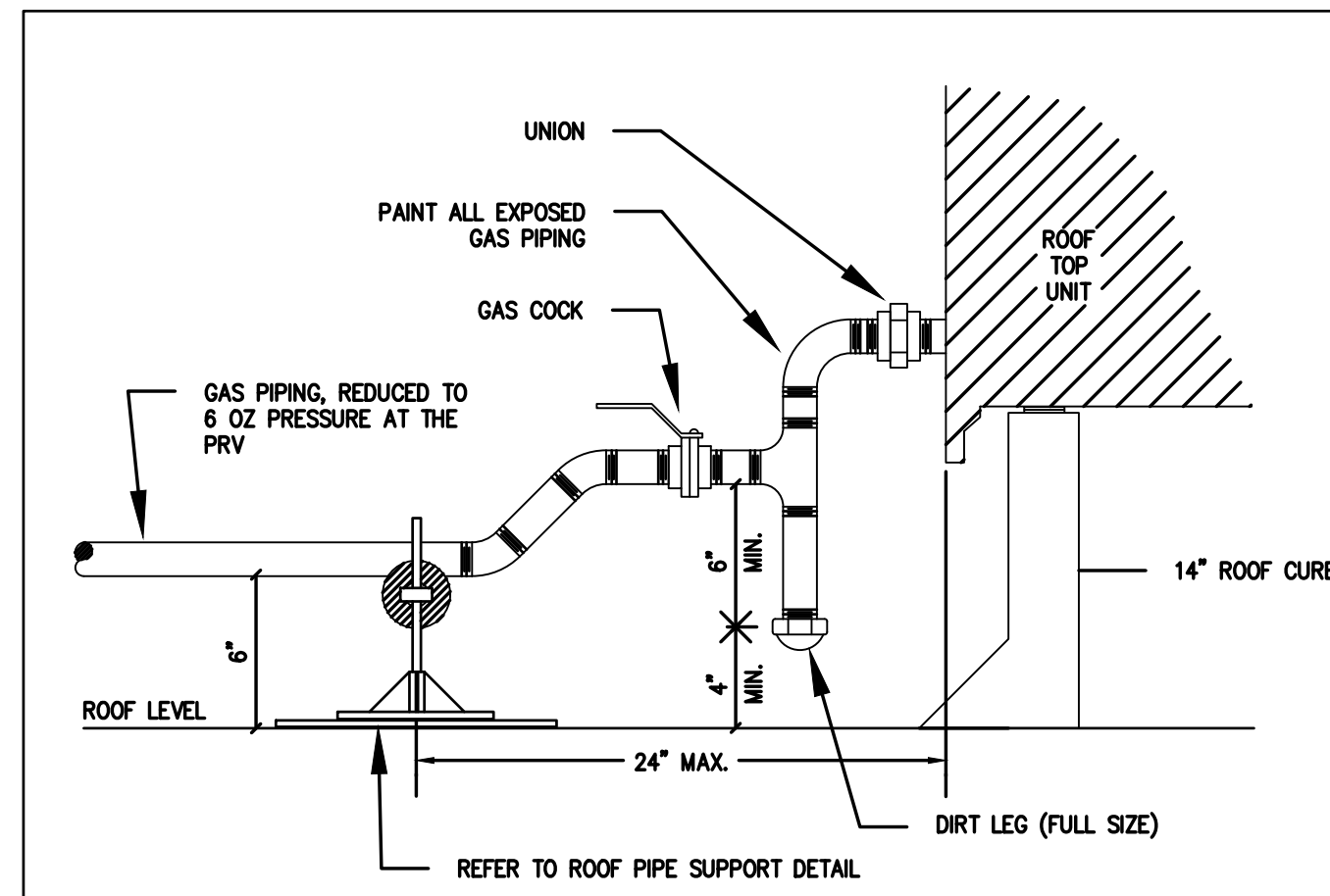
Revision	Schedule	Description
Rev. #	Date	

NEW OFFICE WAREHOUSE 5-BAY BLDG.  
2247 WORTH LANE  
SPRINGDALE, ARKANSAS

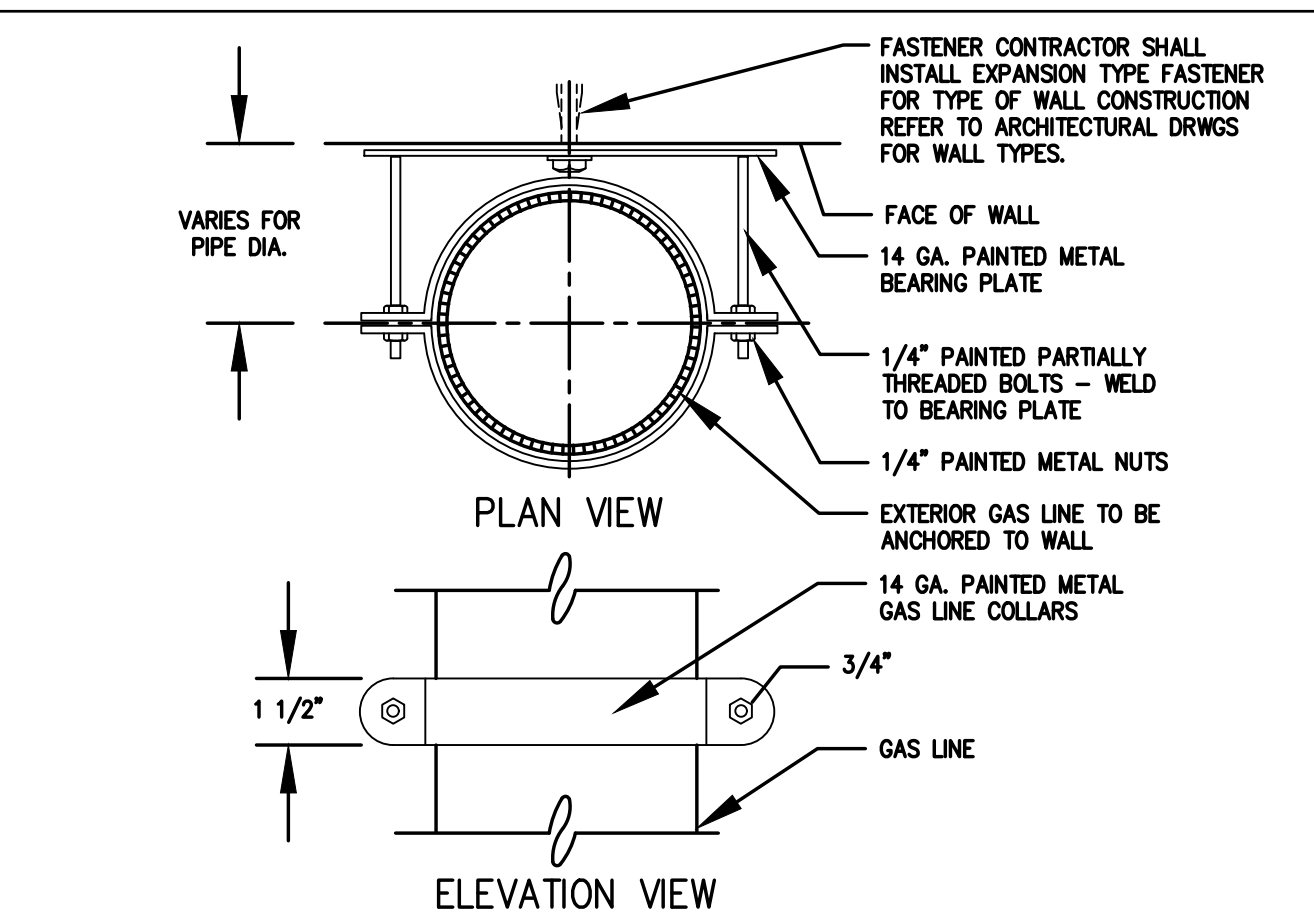
MTNWA INVESTMENTS, LLC  
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DATE 06/01/22  
PROJECT # 2169  
DRAWN BY  
CHECKED BY

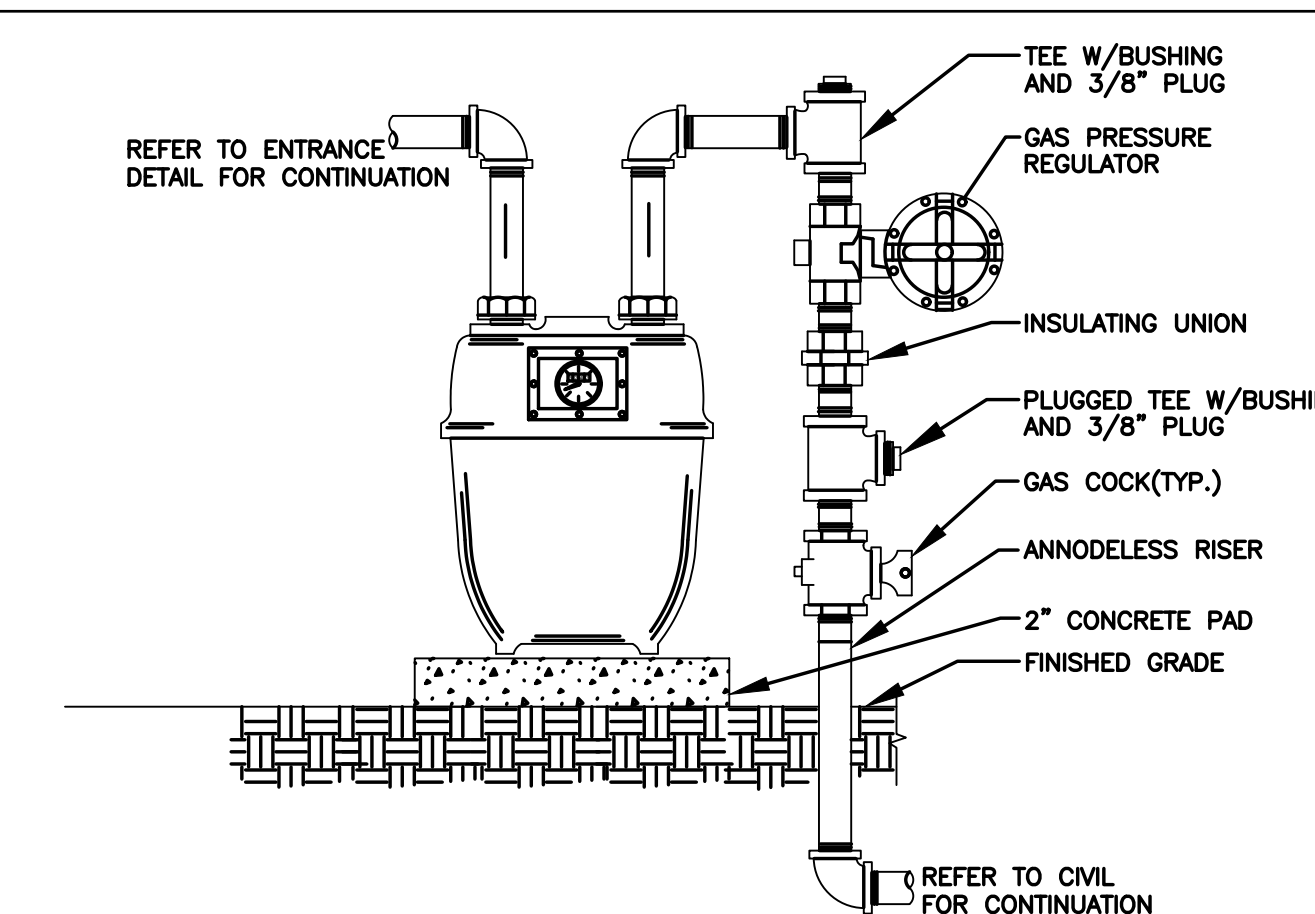
SHEET  
**P-100**



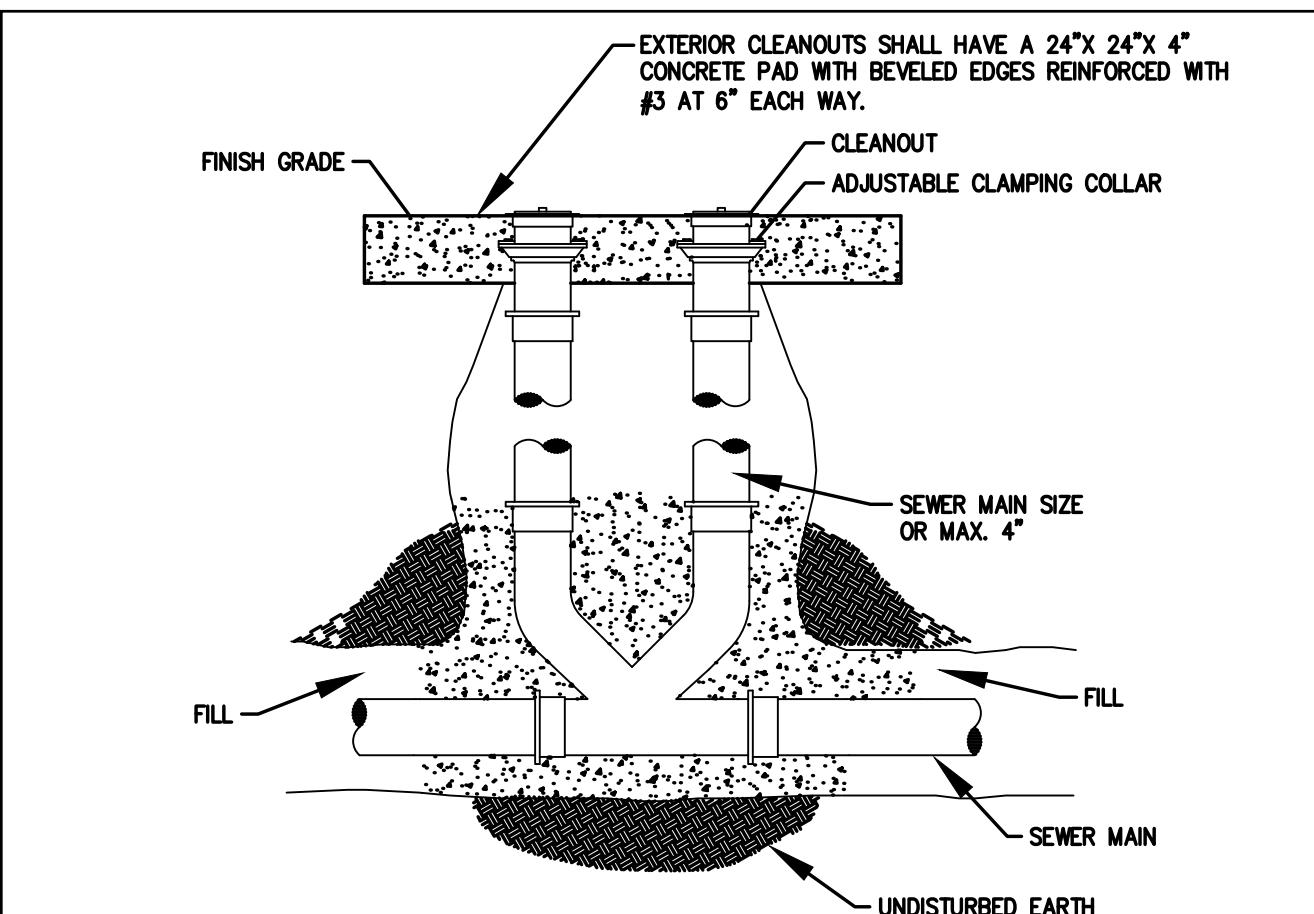
1 EQUIP. NAT. GAS CONN. DETAIL SCALE: NTS



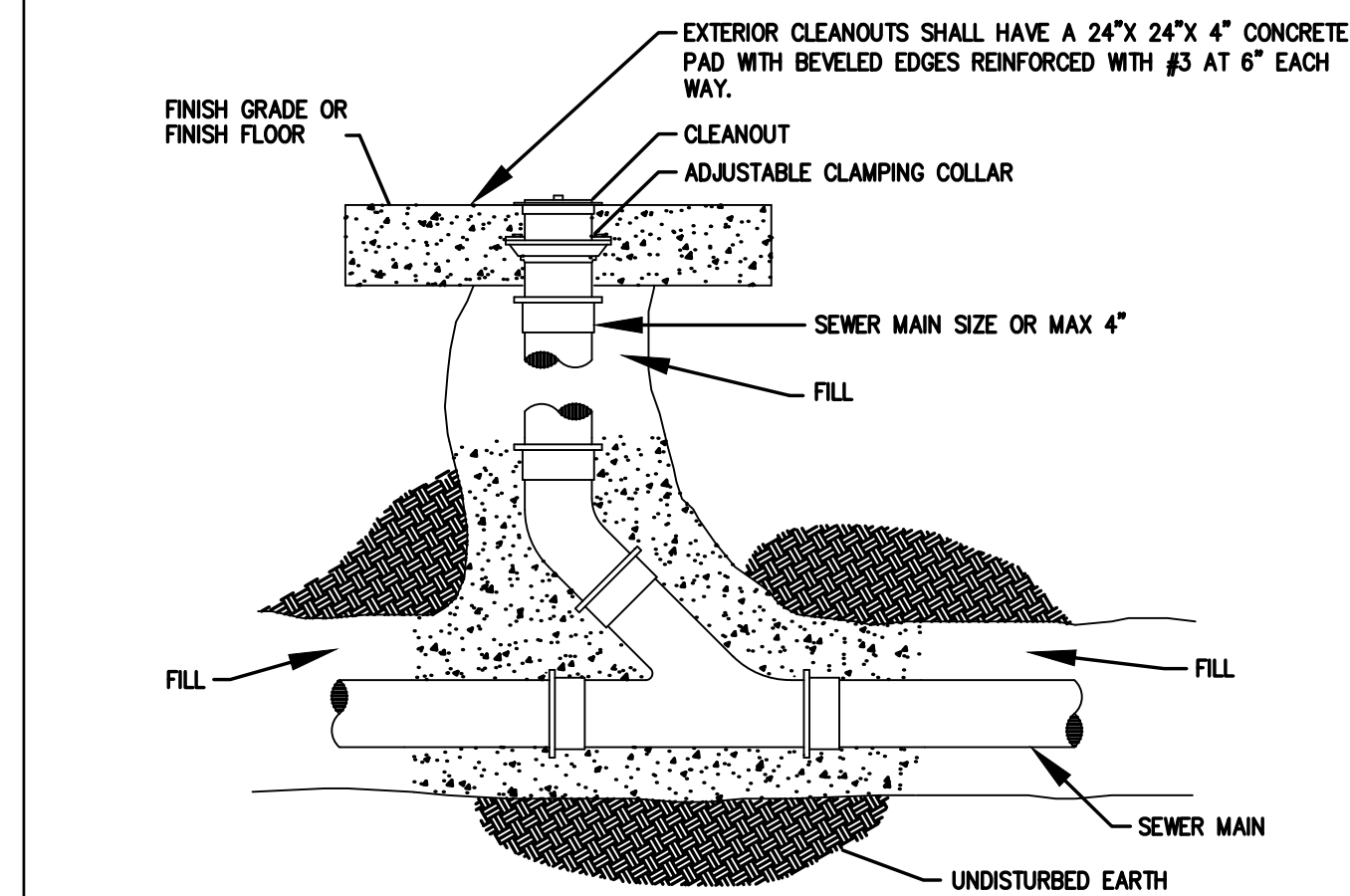
2 EXTERIOR WALL GAS LINE ANCHORING SCALE: NTS



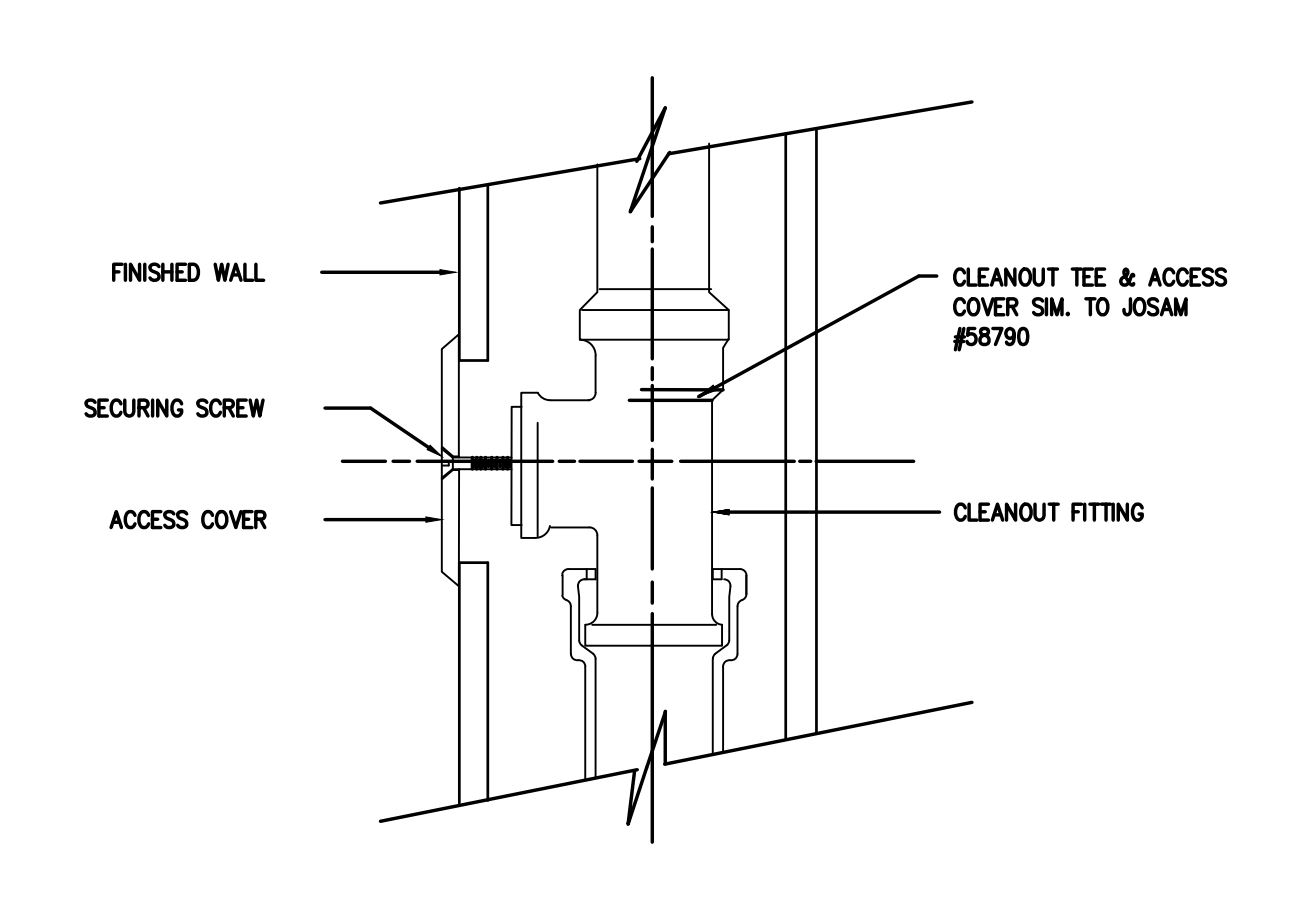
3 TYPICAL GAS SERVICE METER DETAIL SCALE: NTS



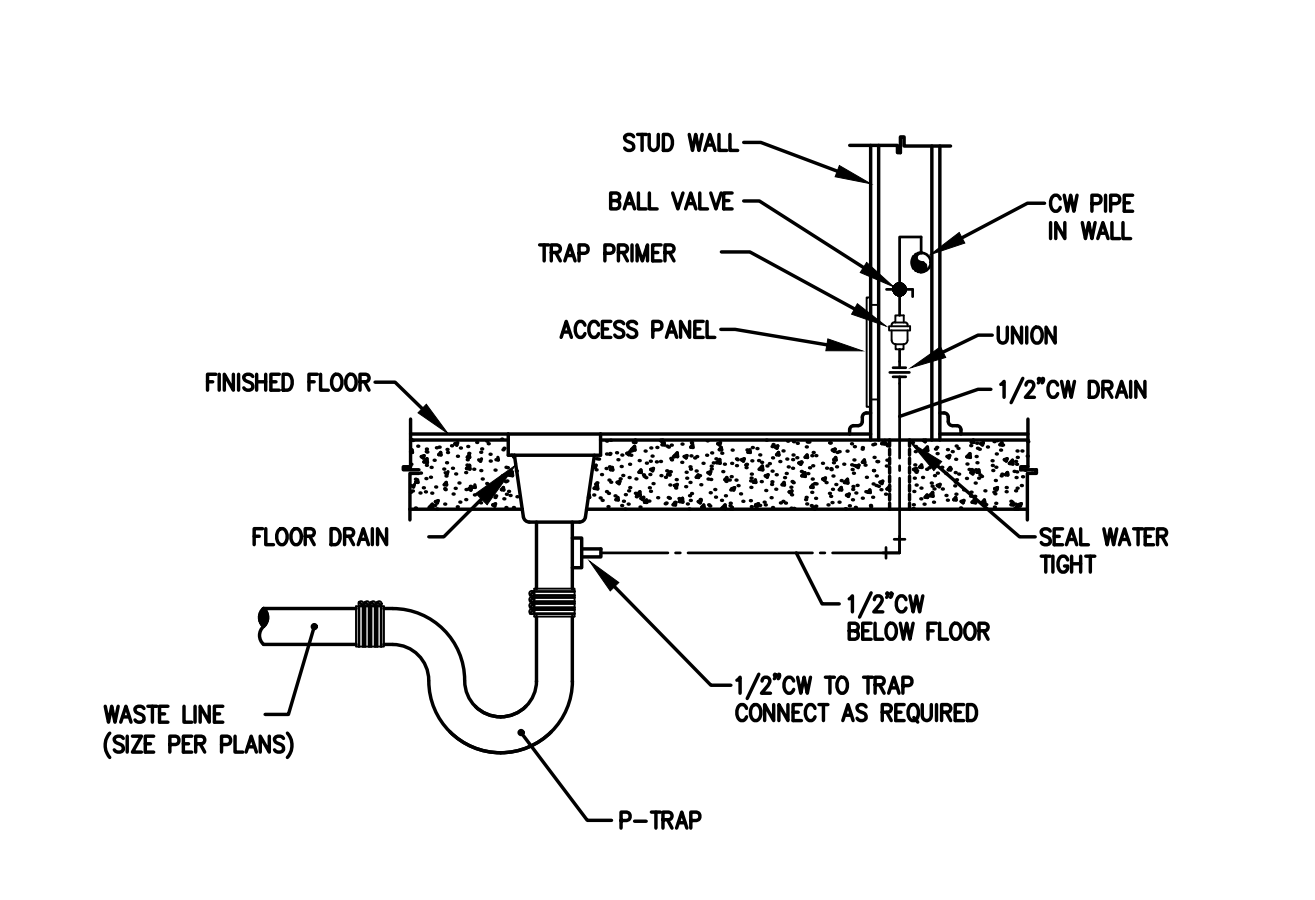
4 TWO WAY CLEANOUT SCALE: NTS



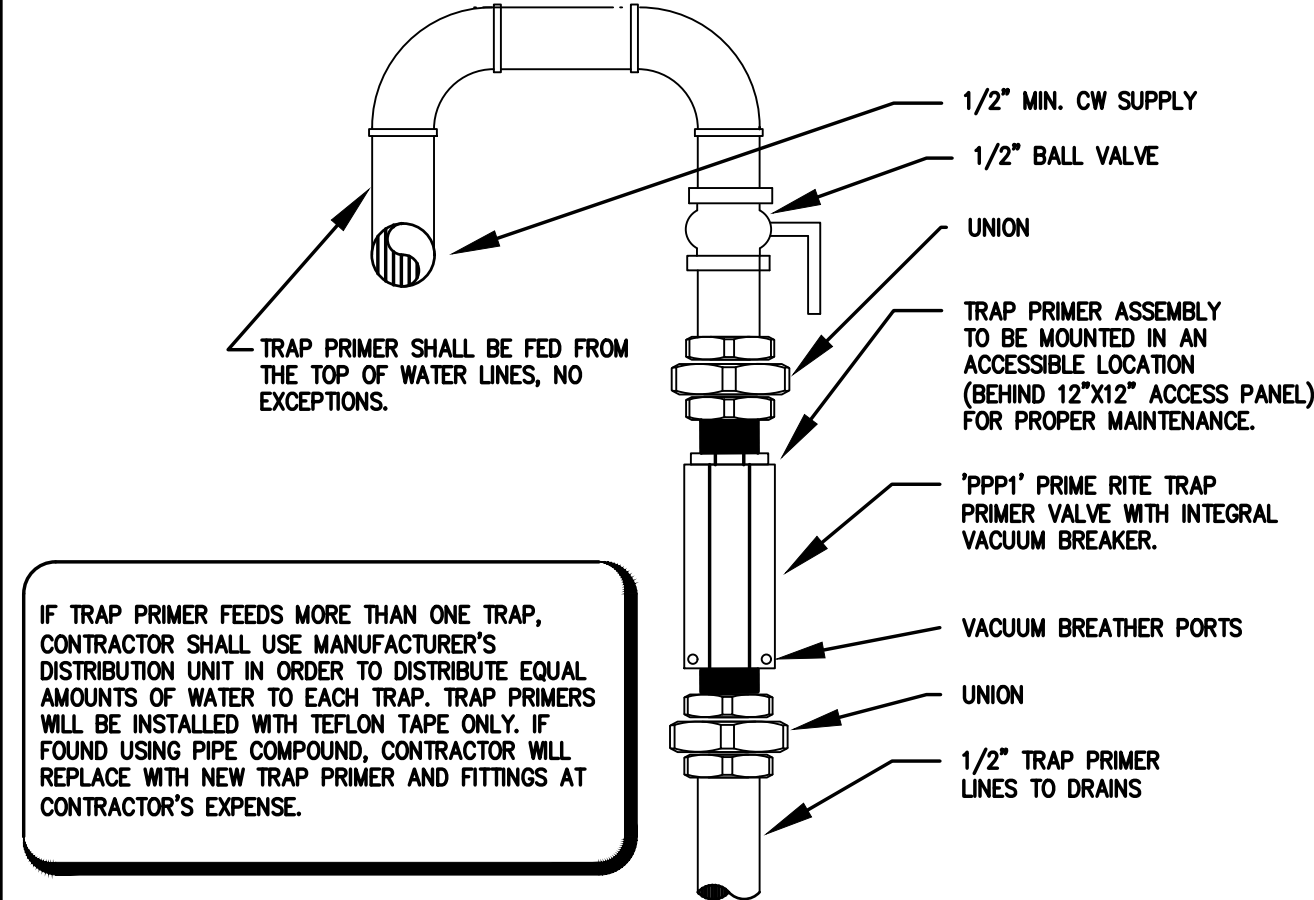
5 CLEANOUT SCALE: NTS



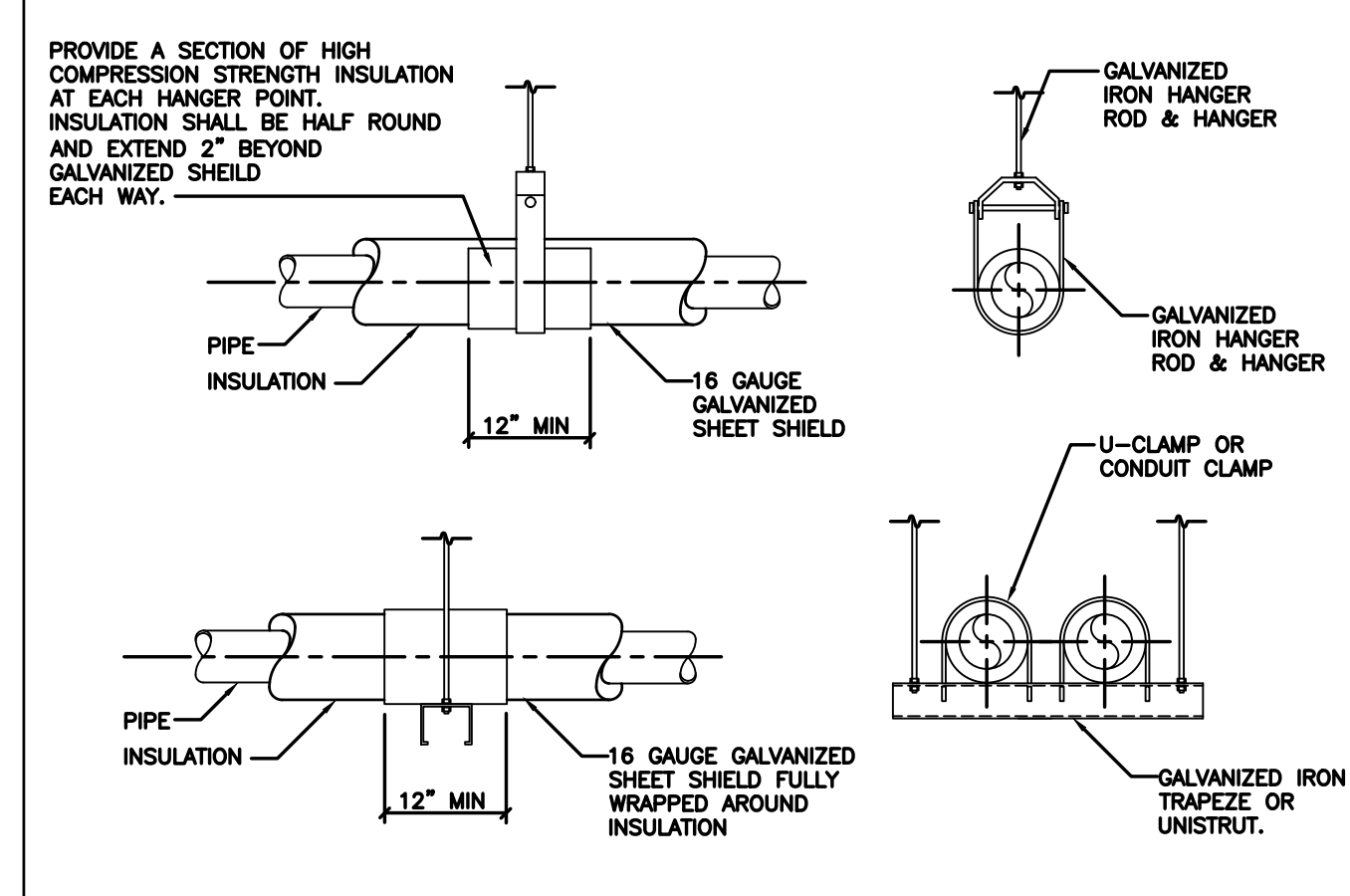
6 WALL CLEANOUT SCALE: NTS



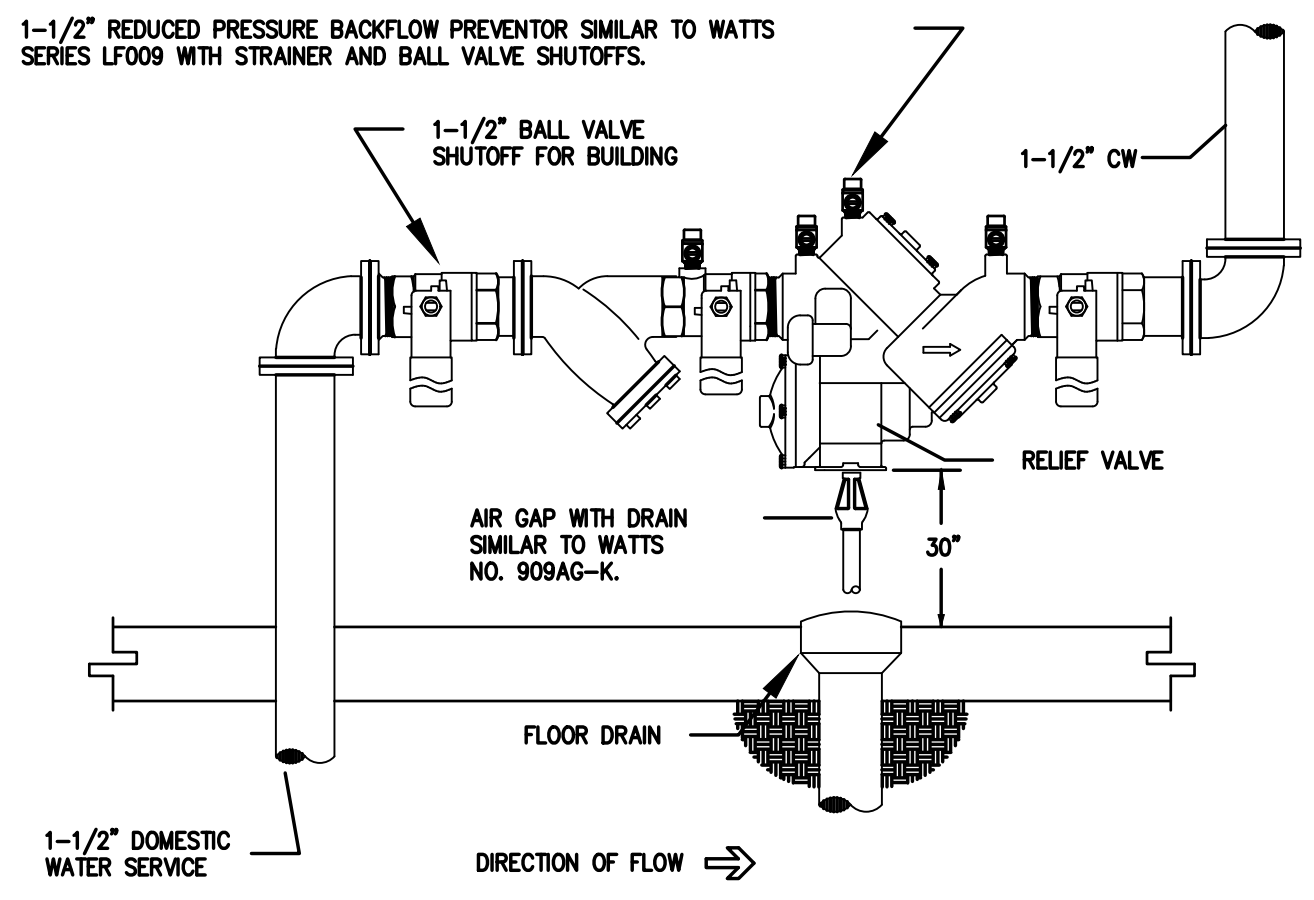
7 TRAP PRIMER TO FLOOR DRAIN SCALE: NTS



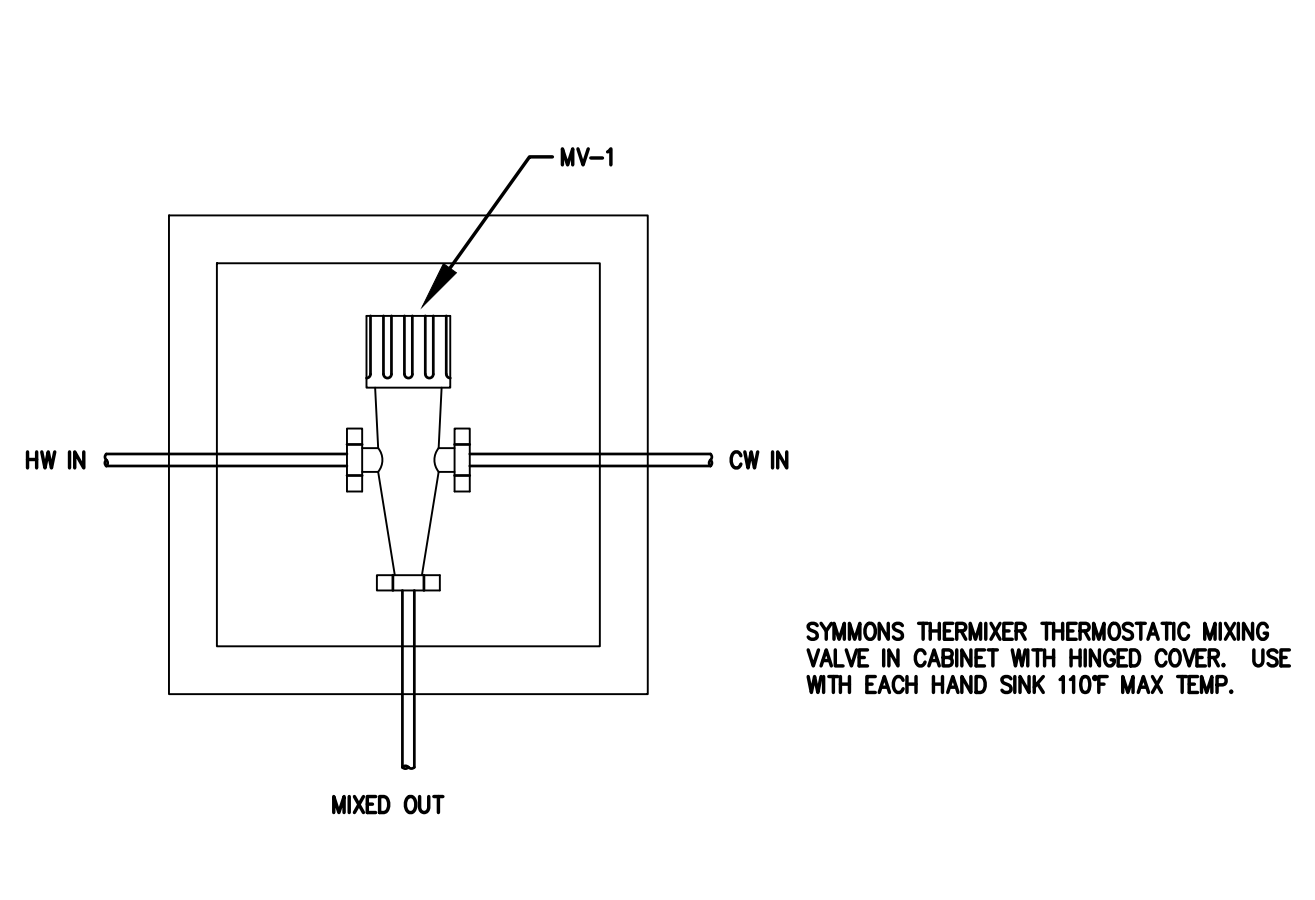
8 TRAP PRIMER SCALE: NTS



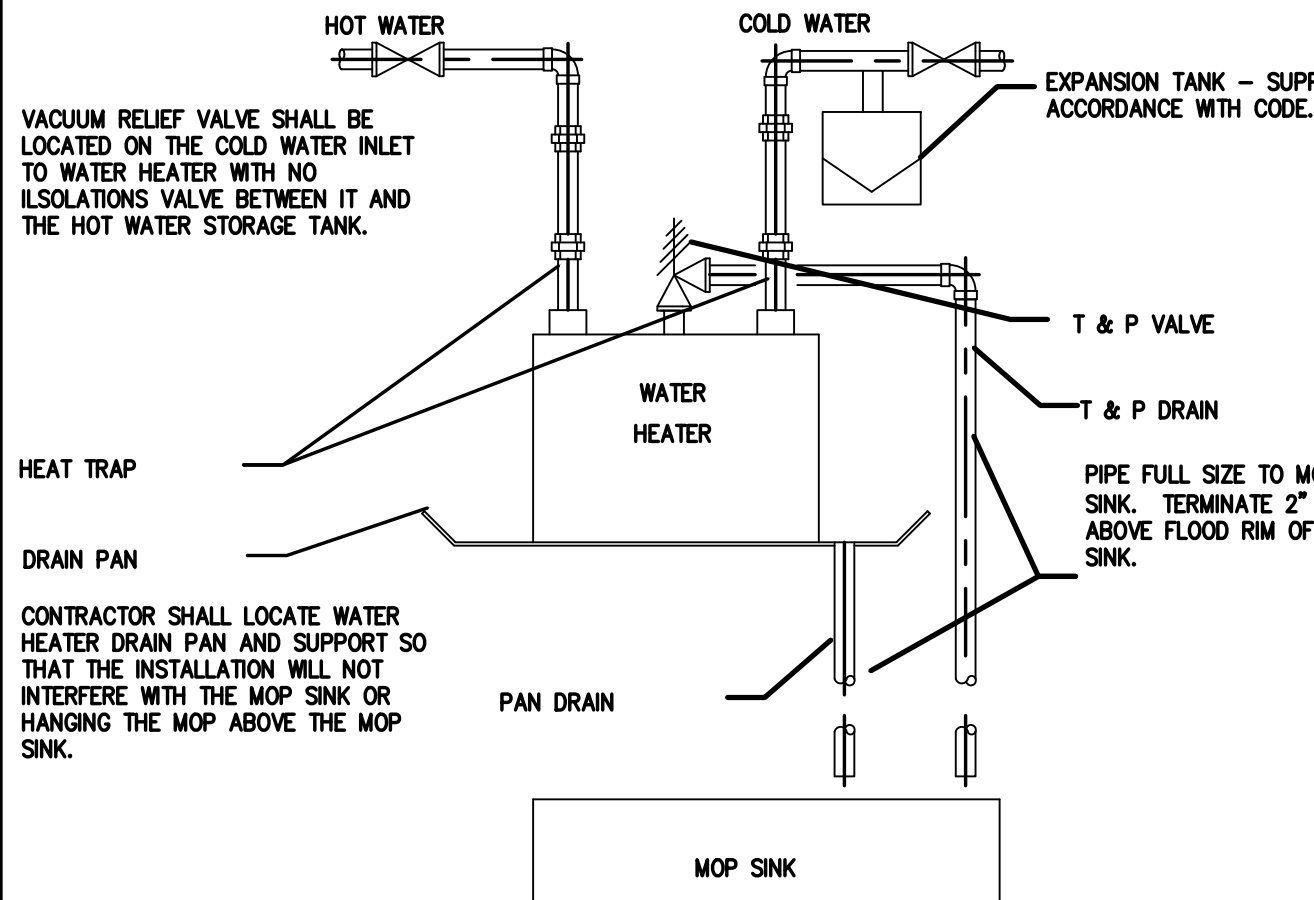
9 PIPE HANGER DETAILS SCALE: NTS



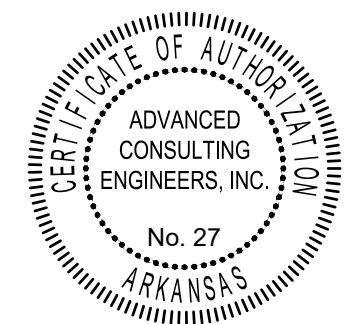
10 REDUCED PRESSURE BACKFLOW PREVENTOR SCALE: NTS



11 TEMPERING VALVE SCALE: NTS



12 WATER HEATER SCALE: NTS



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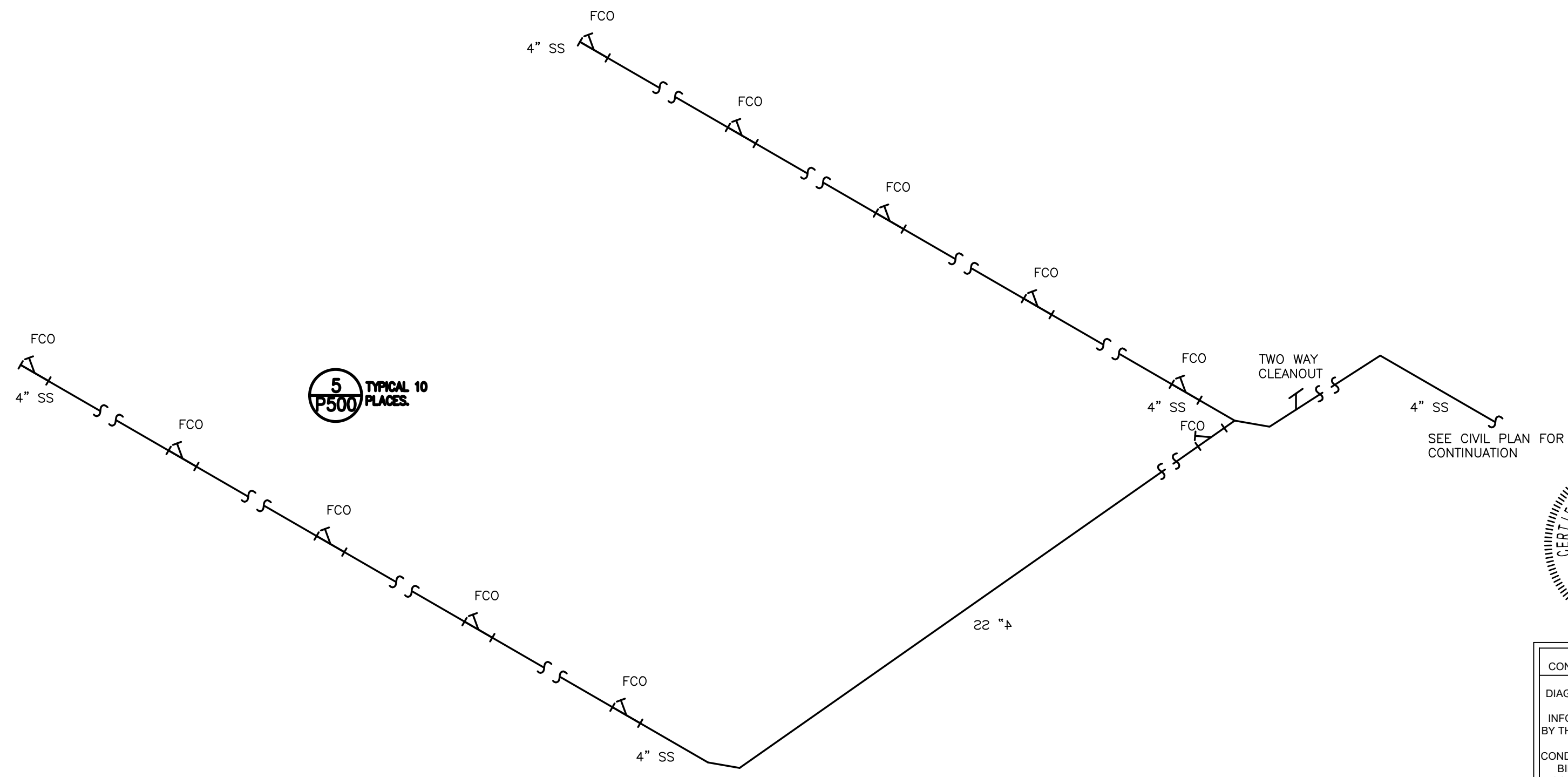


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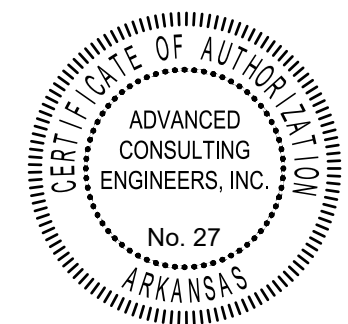
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SPRINGDALE, AR 72764

DATE	DRAWN BY
06/01/22	
PROJECT #	CHECKED BY
2169	
SHEET	
P-500	



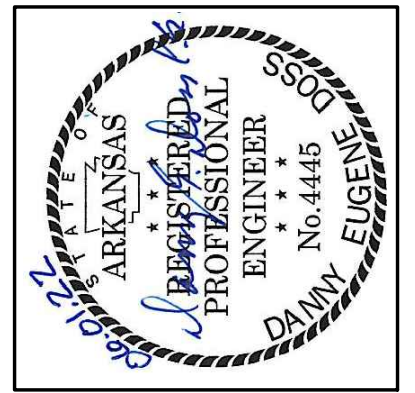
5 TYPICAL 10 PLACES (P500)

**1** SANITARY RISER  
Scale: N.T.S.



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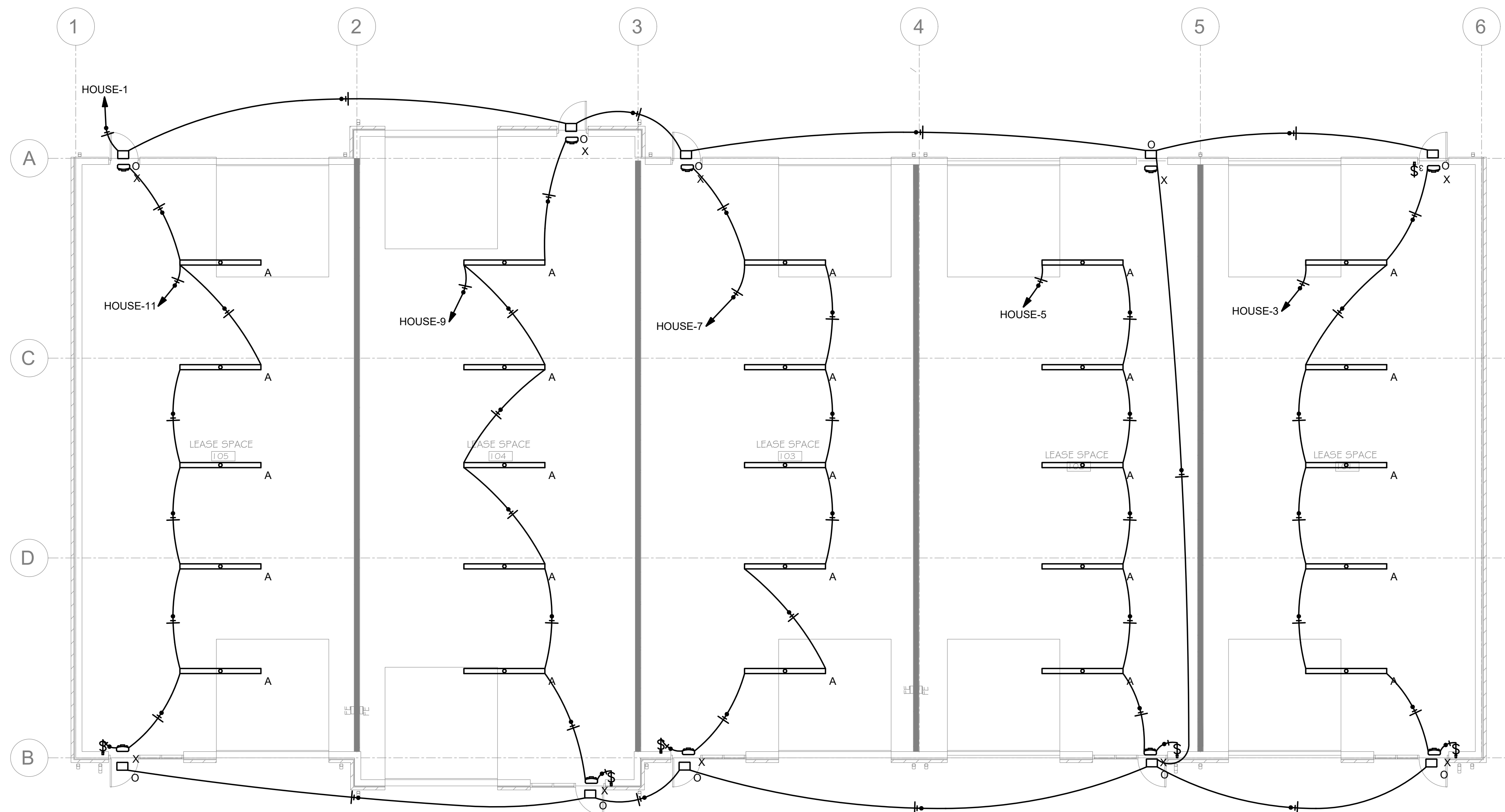
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SHEET  
**P-600**

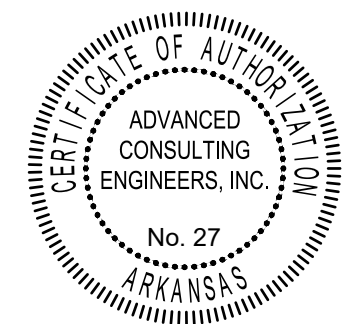






**1 LIGHTING PLAN**  
SCALE: 1/8" = 1'-0"

LUMINAIRE SCHEDULE							
CALLOUT	SYMBOL	LAMP	MOUNTING	MODEL	INPUT WATTS	VOLTS	NOTE 2
A		(1)	SURFACE	Lithonia Lighting, CSS L96 ALO4 MVOLT SWW3 80CRI (8000LM 3500K)	68.4	120V 1P 2W	
O		(1) LED, NICHIA 219B 4000K	WALL	Lithonia Lighting, DSXW2 LED 20C 700 40K T2M 120 PE DBLXD	47	120V 1P 2W	
X		(2) TWO 1.5-WATT LED ASSEMBLY, ELP L275	WALL	Lithonia Lighting, LHQM LED	3	120V 1P 2W	



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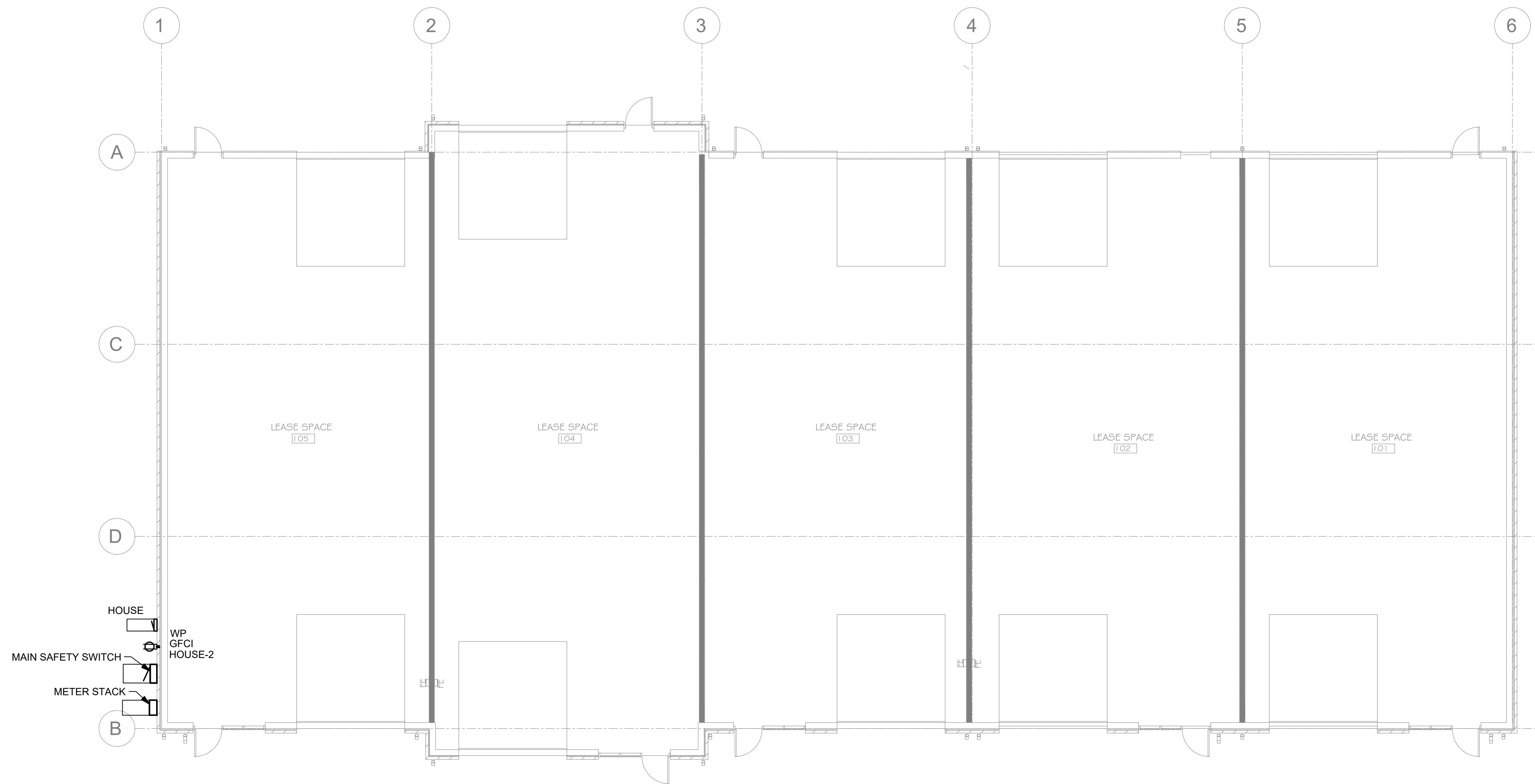
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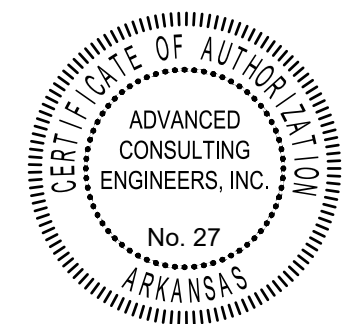
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DATE: 06/01/22  
DRAWN BY: PROJECT # 2169  
CHECKED BY:

SHEET  
**E-100**



**1 POWER PLAN**  
SCALE: 1/8" = 1'-0"



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SHEET  
**E-101**



BRANCH CIRCUITS TO BE IDENTIFIED PER NEC 210.5.  
 FMC TO BE PER NEC 348.  
 RECEPTACLES, CORD CONNECTORS & ATTACHMENT PLUGS TO BE PER NEC 406.  
 SWITCHBOARDS, SWITCH GEAR & PANEL BOARDS TO BE PER NEC 408.  
 LIGHTING TO BE PER NEC 410.

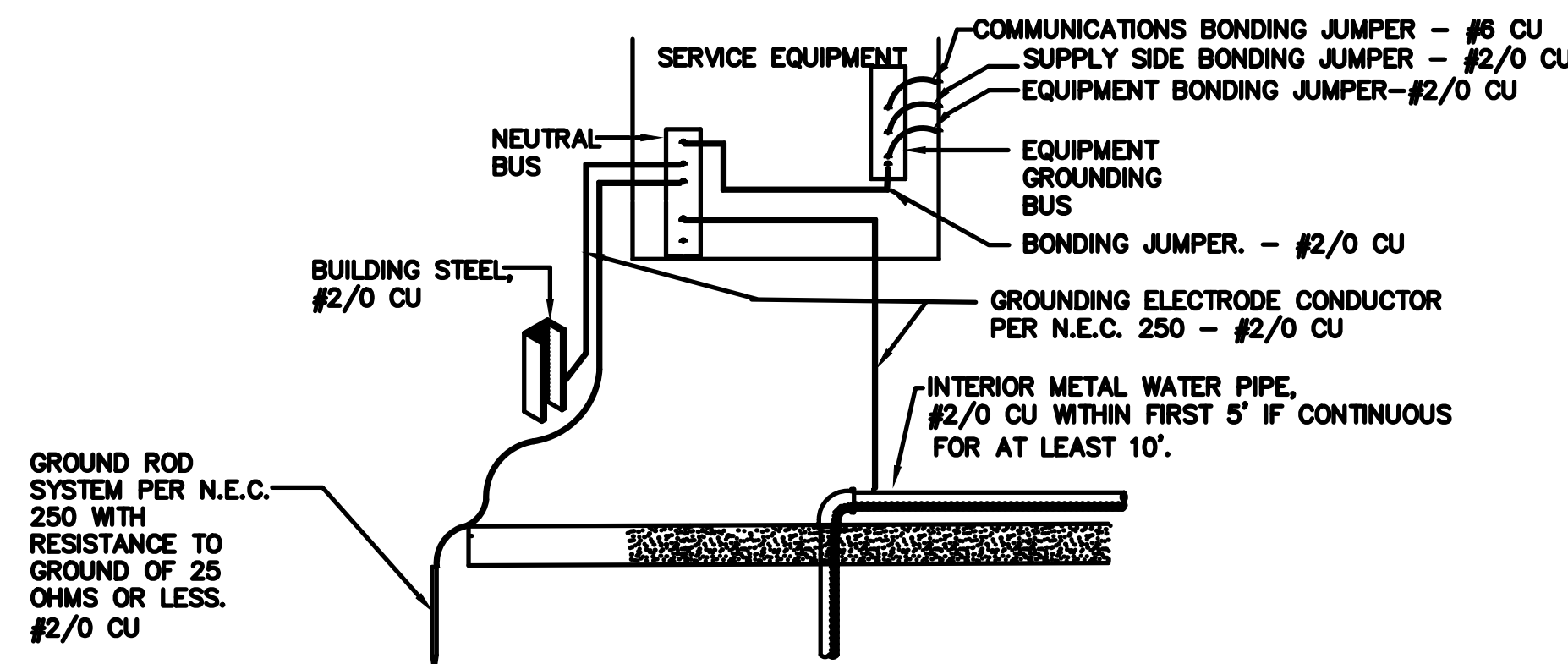
PANELS AND THEIR CIRCUITS  
 TO BE IDENTIFIED PER NEC  
 SECTION 408.4 (A) & (B)

PANELS TO BE IDENTIFIED  
 FOR ARC FLASH HAZARD  
 PER NEC SECTION 110.16.

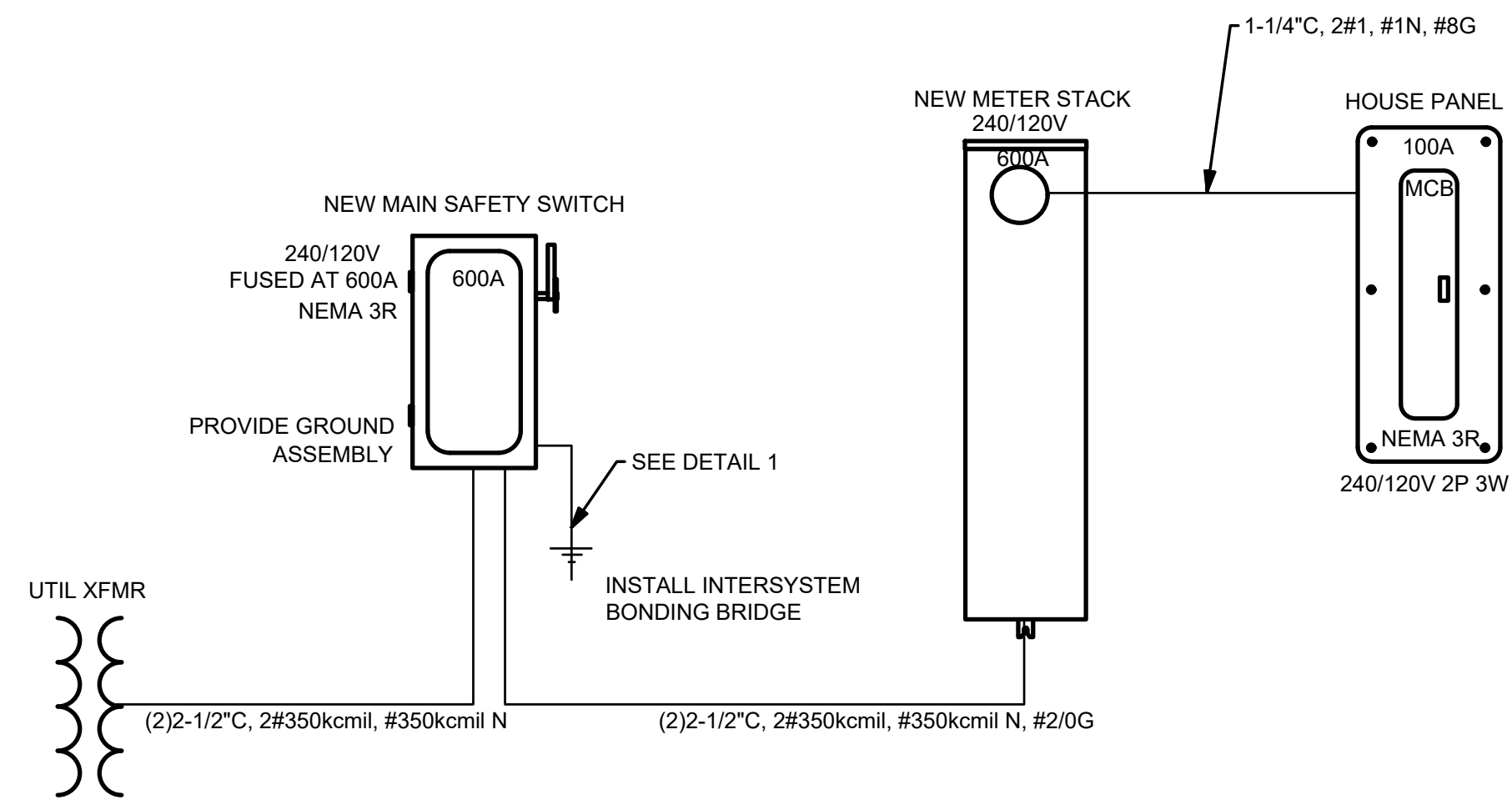
HOUSE						
ROOM	VOLTS 240/120V 2P 3W			AIC 30,000		
MOUNTING SURFACE	BUS AMPS 100			MAIN BKR 100		
FED FROM METER STACK	NEUTRAL 100%			LUGS STANDARD		
NOTE	NEMA 3R					
CKT #	BREAKER TRIP/POLES	CIRCUIT DESCRIPTION	LOAD KVA			FEEDER RACEWAY AND CONDUCTORS
			A	B	C	
1	20/1	EXTERIOR LIGHTING	423	348		1/2"C,1#10,#10N,#10G
3	20/1	101 LIGHTING				1/2"C,1#10,#10N,#10G
5	20/1	102 LIGHTING	345			1/2"C,1#10,#10N,#10G
7	20/1	103 LIGHTING		348		1/2"C,1#10,#10N,#10G
9	20/1	104 LIGHTING	348			1/2"C,1#10,#10N,#10G
11	20/1	105 LIGHTING		348		1/2"C,1#10,#10N,#10G
13	20/1	SPARE	0	0		
15	20/1	SPARE	0	0		
17	20/1	SPARE	0	0		
19	20/1	SPARE	0	0		
21	20/1	SPARE	0	0		
23	20/1	SPARE	0	0		
25	20/1	SPARE	0	0		
27	20/1	SPARE	0	0		
29	20/1	SPARE	0	0		
2	20/1	EXTERIOR RECEPTACLE		180		1/2"C,1#12,#12N,#12G
4	20/1	SPARE	0	0		
6	20/1	SPARE	0	0		
8	20/1	SPARE	0	0		
10	20/1	SPARE	0	0		
12	20/1	SPARE	0	0		
14	20/1	SPARE	0	0		
16	20/1	SPARE	0	0		
18	20/1	SPARE	0	0		
20	20/1	SPARE	0	0		
22	20/1	SPARE	0	0		
24	20/1	SPARE	0	0		
26	20/1	SPARE	0	0		
28	20/1	SPARE	0	0		
30	20/1	SPARE	0	0		
TOTAL CONNECTED KVA BY PHASE			1,300	1,040	0	
CONN VA			CALC VA			
LIGHTING	2,160	2,700	(125%)	TOTAL LOAD		2,880
RECEPTACLES	180	180	(50%>10)	BALANCED LOAD		12 A

CONTRACTOR SHALL VISIT THE SITE AND PERFORM A COMPLETE FIELD SURVEY PRIOR TO BID AND/OR CONSTRUCTION

COORDINATE ALL WORK WITH SERVING UTILITY COMPANY REQUIREMENTS AND MAKE CONTACT WITH LOCAL REPRESENTATIVE PRIOR TO BID AND/OR CONSTRUCTION. PRIOR TO BID, NOTIFY THIS ENGINEER, IN WRITING, OF ANY CHANGES REQUIRED.



1 GROUNDING ELECTRODE SYSTEM  
 N.T.S.



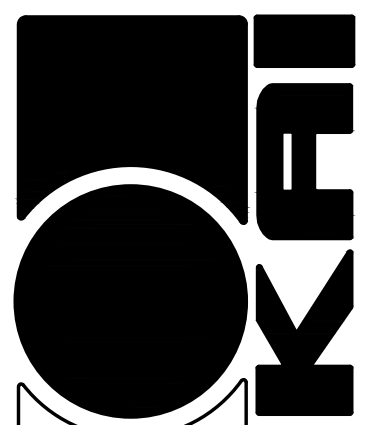
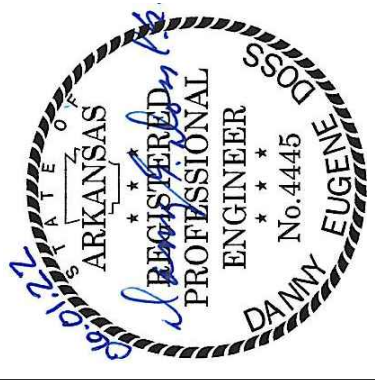
2 SINGLE-LINE DIAGRAM  
 SCALE: N.T.S.



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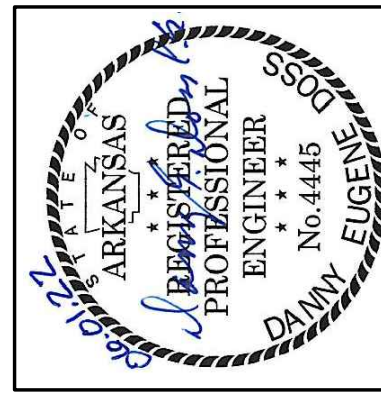
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 CHECKED BY

SHEET  
**E-600**

<p>16010 BASIC ELECTRICAL REQUIREMENTS</p>		<p>16123 BUILDING WIRE AND CABLE</p>		<p>(CON'T.)</p>		<p>16141 WIRING DEVICES</p>	
<p>PART 1 GENERAL</p> <p>1.01 SECTION INCLUDES</p> <p>A. BASIC ELECTRICAL REQUIREMENTS SPECIFICALLY APPLICABLE TO DIVISION 16, IN ADDITION TO DIVISION 1 - GENERAL REQUIREMENTS.</p> <p>1.02 SUBMITTALS</p> <p>A. SUBMIT UNDER PROVISIONS OF ARCHITECTURAL SPECIFICATIONS. SUBMIT THE FOLLOWING PRODUCTS:</p> <ol style="list-style-type: none"> <li>1. WIRING DEVICES AND COVER PLATES.</li> <li>2. DISCONNECT SWITCHES.</li> <li>3. PANELBOARDS.</li> <li>4. LIGHT FIXTURES.</li> </ol> <p>C. INDICATE MANUFACTURER'S NAME AND COMPLETE CATALOG NUMBER WITH THE LABEL OR NUMBER OF THE EQUIPMENT, AS DESIGNATED ON DRAWINGS, ADJACENT THERETO.</p> <p>D. SUBSTITUTIONS: WHERE A SPECIFIC MANUFACTURER OR TRADE NAME IS MENTIONED IN THE SPECIFICATION, IT IS TO ESTABLISH A STANDARD OF QUALITY. SUBSTITUTIONS FOR SPECIFIED EQUIPMENT ARE ALLOWED ONLY WHEN SUBSTITUTIONS OR APPROVED EQUALS ARE NOTED. SUBSTITUTION OF OTHER MAKES SHALL BE APPROVED BY THE ARCHITECT/ENGINEER AND/OR OWNER, 10 DAYS PRIOR TO BIDS.</p> <p>1.03 REGULATORY REQUIREMENTS</p> <p>A. CONFORM TO APPLICABLE BUILDING CODES.</p> <p>1.04 PROJECT/SITE CONDITIONS</p> <p>A. VISIT THE SITE, EXAMINE AND VERIFY THE CONDITIONS UNDER WHICH WORK MUST BE CONDUCTED BEFORE SUBMITTING A PROPOSAL. THE SUBMITTING OF A PROPOSAL IMPLIES THAT THE CONTRACTOR HAS VISITED THE SITE, IS CONVERSANT WITH ALL SITE CONDITIONS, INCLUDING EXISTING SERVICES AND EQUIPMENT, OBSTRUCTION AND ALL CONDITIONS, WHICH WILL BE ENCOUNTERED IN THE REMOVAL AND/OR RELOCATION OF PRESENT MATERIALS AND EQUIPMENT, INSTALLATION OF NEW MATERIALS, ETC., FOR A COMPLETE INSTALLATION.</p> <p>B. THE DRAWINGS SHOW THE LOCATION AND GENERAL ARRANGEMENT OF ALL EQUIPMENT AND SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND WORK OF OTHER TRADES PERMIT. INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING WORK AND ARRANGE WORK ACCORDINGLY.</p> <p>PART 2 PRODUCTS</p> <p>2.01 MATERIALS AND EQUIPMENT</p> <p>A. MATERIALS AND EQUIPMENT: ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION AS SUITABLE FOR THE USE INTENDED.</p> <p>B. ALL EQUIPMENT OF SAME OR SIMILAR SYSTEMS SHALL BE OF THE SAME MANUFACTURER.</p> <p>C. ALL ELECTRICAL EQUIPMENT SHALL BE NEW UNLESS OTHERWISE STATED IN DRAWINGS.</p> <p>PART 3 EXECUTION</p> <p>3.01 WORKMANSHIP</p> <p>A. INSTALL WORK USING PROCEDURES DEFINED IN NECA STANDARD OF INSTALLATION.</p> <p style="text-align: center;">END OF SECTION</p> <p style="text-align: right;">16111 CONDUIT</p>	<p>PART 1 GENERAL</p> <p>1.01 SECTION INCLUDES</p> <p>A. BUILDING WIRE AND CABLE.</p> <p>B. WIRING CONNECTORS AND CONNECTIONS.</p> <p>1.02 PROJECT CONDITIONS</p> <p>A. VERIFY THAT FIELD MEASUREMENTS ARE AS SHOWN ON DRAWINGS. CONDUCTOR SIZES ARE BASED ON COPPER.</p> <p>PART 2 PRODUCTS</p> <p>2.01 MANUFACTURERS</p> <p>A. GENERAL ELECTRIC, ROME, HATFIELD, CRESENT, GENERAL CABLE, TRIANGLE, ANACONDA.</p> <p>2.02 WIRE AND CABLE</p> <p>A. DESCRIPTION: SINGLE CONDUCTOR INSULATED WIRE.</p> <p>B. CONDUCTOR: COPPER.</p> <p>C. INSULATION VOLTAGE RATING: 600 VOLTS.</p> <p>D. INSULATION: ANSI/WFPA 70: TYPE THW, THHN/THWN OR XHHW INSULATION FOR FEEDERS AND BRANCH CIRCUITS LARGER THAN 8 AWG. TYPE THHN/THWN INSULATION FOR FEEDERS AND BRANCH CIRCUITS 8 AWG AND SMALLER. THW OR XHHW MAY BE USED IF CONDUIT SIZE IS INCREASED FOR FEEDERS AND BRANCH CIRCUITS 8 AWG AND SMALLER.</p> <p>PART 3 EXECUTION</p> <p>3.01 WIRING METHODS</p> <p>A. USE ONLY BUILDING WIRE IN RACEWAYS IN ALL LOCATIONS.</p> <p>B. USE WIRING METHODS INDICATED ON DRAWINGS.</p> <p>C. ALL CONDUCTORS IN PLENUM AREA SHALL BE PLENUM RATED.</p> <p>3.02 INSTALLATION</p> <p>A. USE SOLID CONDUCTOR FOR FEEDERS AND BRANCH CIRCUITS 10 AWG AND SMALLER, STRANDED CONDUCTOR 8 AWG AND LARGER.</p> <p>B. USE STRANDED CONDUCTORS FOR CONTROL CIRCUITS.</p> <p>C. USE CONDUCTOR NOT SMALLER THAN 12 AWG FOR POWER AND LIGHTING CIRCUITS.</p> <p>D. USE CONDUCTOR NOT SMALLER THAN 14 AWG FOR CONTROL CIRCUITS.</p> <p>E. USE SOLDERLESS PRESSURE CONNECTORS WITH INSULATING COVERS FOR COPPER CONDUCTOR SPLICES AND TAPE, 6 AWG AND LARGER.</p> <p>F. USE INSULATED SPRING WIRE CONNECTORS WITH PLASTIC CAPS FOR COPPER CONDUCTOR SPLICES AND TAPE, 8 AWG AND SMALLER.</p> <p style="text-align: center;">END OF SECTION</p> <p style="text-align: right;">16130 BOXES</p>	<p>2.02 RECEPTACLES</p> <p>A. MANUFACTURERS: ARROW HART, GENERAL ELECTRIC, HUBBELL, LEVITON, PASS &amp; SEYMOUR, SLATER.</p> <p>B. DEVICE BODY: PLASTIC BODY WITH IVORY NYLON FACE.</p> <p>C. CONVENIENCE AND STRAIGHT-BLADE RECEPTACLES: NEMA WD 1, SPECIFICATION GRADE, GROUNDING TYPE; LOCKING-BLADE RECEPTACLES: NEMA WD 5, SPECIFICATION GRADE, GROUNDING TYPE; AS FOLLOWS:</p> <ol style="list-style-type: none"> <li>1. DUPLEX RECEPTACLE 20 A, 125 V: HUBBELL 5362, ARROW HART 5362, P &amp; S 5362, SLATER 5362-AG, LEVITON 5362, OR G.E. 5362-1.</li> <li>2. COMPUTER DUPLEX RECEPTACLE 20A, 125V ISOLATED GROUND: HUBBELL IG 5362, ARROW HART I-5362, P &amp; S IG6300, SLATER IG5362-AG-OR, LEVITON 5362-IG, OR G.E. 5362-IG2.</li> </ol> <p>2.03 WALL PLATES</p> <p>A. HIGH IMPACT NYLON, IVORY COLOR, SAME AS DEVICE MANUFACTURER, TO MATCH DEVICE.</p> <p>PART 3 EXECUTION</p> <p>3.01 EXAMINATION</p> <p>A. VERIFY OUTLET BOXES ARE INSTALLED AT PROPER HEIGHT.</p> <p>B. VERIFY WALL OPENINGS ARE NEATLY CUT AND WILL BE COMPLETELY COVERED BY WALL PLATES.</p> <p>3.02 PREPARATION</p> <p>A. PROVIDE EXTENSION RINGS TO BRING OUTLET BOXES FLUSH WITH FINISHED SURFACE, IF REQUIRED.</p> <p>3.03 INSTALLATION</p> <p>A. CONNECT WIRING DEVICE GROUNDING TERMINAL TO BRANCH CIRCUIT EQUIPMENT GROUNDING CONDUCTOR.</p> <p>B. CONNECT WIRING DEVICES BY WRAPPING CONDUCTOR AROUND SCREW TERMINAL.</p> <p>C. USE JUMBO SIZE PLATES FOR OUTLETS INSTALLED IN MASONRY WALLS.</p> <p>D. INSTALL GALVANIZED STEEL PLATES ON OUTLET BOXES AND JUNCTION BOXES IN UNFINISHED AREAS ABOVE ACCESSIBLE CEILING AND ON SURFACE MOUNTED OUTLETS IN STOCKROOM AREAS.</p> <p style="text-align: center;">END OF SECTION</p> <p style="text-align: right;">16190 SUPPORTING DEVICES</p>	<p>3.02 NAMEPLATE ENGRAVING SCHEDULE</p> <p>A. PROVIDE NAMEPLATES OF MINIMUM LETTER HEIGHT AS SCHEDULED BELOW.</p> <p>B. PANELBOARDS: 3/4 INCH. IDENTIFY EQUIPMENT DESIGNATION.</p> <p>C. 3/4 INCH. IDENTIFY VOLTAGE RATING AND SOURCE.</p> <p>D. INDIVIDUAL CIRCUIT BREAKERS, SWITCHES, AND MOTOR STARTERS IN PANELBOARDS, SWITCHBOARDS, AND MOTOR CONTROL CENTERS: 1/8 INCH. IDENTIFY CIRCUIT AND LOAD SERVED, INCLUDING LOCATION.</p> <p>E. INDIVIDUAL CIRCUIT BREAKERS, ENCLOSED SWITCHES AND MOTOR STARTERS: 1/4 INCH. IDENTIFY LOAD SERVED.</p> <p style="text-align: right;">END OF SECTION</p> <p style="text-align: right;">16470 PANELBOARDS</p> <p>PART 1 GENERAL</p> <p>1.01 WORK INCLUDED</p> <p>A. LIGHTING AND APPLIANCE BRANCH CIRCUIT PANELBOARDS.</p> <p>1.02 SPARE PARTS</p> <p>A. KEYS: FURNISH TWO EACH TO OWNER.</p> <p>PART 2 PRODUCTS</p> <p>2.01 ACCEPTABLE MANUFACTURERS - PANELBOARDS</p> <p>A. SQUARE D, GENERAL ELECTRIC, ITE/SIEMENS-ALLIS, WESTINGHOUSE, CUTLER HAMMER.</p> <p>2.02 PANELBOARDS</p> <p>A. LIGHTING AND APPLIANCE BRANCH CIRCUIT PANELBOARDS: CIRCUIT BREAKER TYPE AS INDICATED ON THE PANELBOARD SCHEDULES ON DRAWINGS. PROVIDE CABINET FRONT WITH CONCEALED TRIM CLAMPS, CONCEALED HINGE AND FLUSH LOCK ALL KEYED ALIKE. FINISH IN MANUFACTURER'S STANDARD GRAY ENAMEL.</p> <p>B. ENCLOSURE: TYPE 1.</p> <p>C. MINIMUM SHORT CIRCUIT RATING: AS SHOWN ON DRAWINGS.</p> <p>D. PROVIDE PANELBOARDS WITH COPPER BUS RATINGS AS SCHEDULED ON DRAWINGS. PROVIDE GROUND BUS IN ALL PANELBOARDS.</p> <p>E. MOLDED CASE CIRCUIT BREAKERS: BOLT-ON TYPE THERMAL MAGNETIC TRIP CIRCUIT BREAKERS, WITH COMMON TRIP HANDLE FOR ALL POLES. PROVIDE CIRCUIT BREAKERS UL LISTED AS TYPE SWD FOR LIGHTING CIRCUITS. PROVIDE UL CLASS A GROUND FAULT INTERRUPTER CIRCUIT BREAKERS WHERE SCHEDULED ON DRAWINGS.</p> <p>PART 3 EXECUTION</p> <p>3.01 INSTALLATION</p> <p>A. HEIGHT: 6 FEET TO TOP SWITCH OR CIRCUIT BREAKER IN PANELBOARDS, UNLESS OTHERWISE NOTED.</p> <p>B. PROVIDE TYPED CIRCUIT DIRECTORY FOR EACH BRANCH CIRCUIT PANELBOARD. REVISE DIRECTORY TO REFLECT CIRCUITING CHANGES REQUIRED TO BALANCE PHASE LOADS.</p> <p style="text-align: center;">END OF SECTION</p> <p style="text-align: right;">16510 INTERIOR LUMINAIRES</p>				
<p style="text-align: center;">END OF SECTION</p> <p style="text-align: right;">16111 CONDUIT</p>	<p style="text-align: center;">END OF SECTION</p> <p style="text-align: right;">16141 WIRING DEVICES</p>	<p style="text-align: center;">END OF SECTION</p> <p style="text-align: right;">16195 ELECTRICAL IDENTIFICATION</p>	<p style="text-align: center;">END OF SECTION</p> <p style="text-align: right;">16195 ELECTRICAL IDENTIFICATION</p>				



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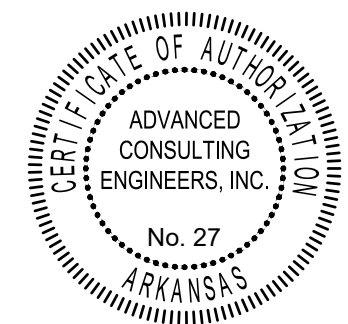
KEY ARCHITECTURE INC.

P.O. BOX 748 FAYETTEVILLE, ARKANSAS 72702  
PH: 479.444.6066 FAX: 479.444.1445

Rev. #	Date	Description

NEW OFFICE WAREHOUSE 5-BAY BLDG.  
2247 WORTH LANE  
SPRINGDALE, ARKANSAS

MTNWA INVESTMENTS, LLC  
1457 E. ROBINSON AVE.  
SPRINGDALE, AR 72764



PRIOR TO BID/START OF CONSTRUCTION REQUIREMENTS THESE DOCUMENTS ARE DIAGRAMMATIC IN NATURE AND IN SOME CASES, BASED ON INFORMATION THAT IS PROVIDED BY THE OWNER. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD PRIOR TO BID. ANY DISCREPANCIES OR CONDITIONS INTERFERING WITH THE ABILITY OF THE CONTRACTOR TO COMPLETE THE WORK AS OUTLINED, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT ANY COST SAVINGS OPTIONS OR REUSE OF EXISTING EQUIPMENT, MATERIAL OR DEVICES SHALL BE MADE AVAILABLE TO THE OWNER AND THE ARCHITECT FOR REVIEW. ANY REQUESTED CHANGES DUE TO THE CONTRACTOR'S OVERSIGHT OR FAILURE TO VISIT THE SITE PRIOR TO BID, SHALL NOT BE AUTHORIZED OR COMPENSATED. COORDINATE ALL LOWER SIZES AND LOCATIONS PRIOR TO START OF CONSTRUCTION. LAYOUT ALL EQUIPMENT IN MECHANICAL ROOM TO ENSURE PROPER SPACE AND CLEARANCES ARE AVAILABLE. CONTACT ARCHITECT IMMEDIATELY WITH ANY ISSUES.

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ADVANCED CONSULTING ENGINEERS  
MECHANICAL ELECTRICAL INDUSTRIAL

PO BOX 427  
ROGERS, AR 72756  
PH 479-631-1712  
FX 479-631-1854  
ACEI@ADVENGINEERS.COM

DATE	DRAWN BY
06/01/22	
PROJECT #	CHECKED BY
2169	
SHEET	
E-700	