PUBLIC WORKS ADDITIONS

CITY OF PARAGOULD

PARAGOULD, AR

PROJECT INFORMATION

DRAWINGS AND PROJECT MANUAL APPROVED AND IDENTIFIED AS PARTS OF THE OFFICIAL CONTRACT DOCUMENT

OWNER: CITY OF PARAGOULD
FACILITY: PUBLIC WORKS ADDITIONS
LOCATION: PARAGOULD, AR

BY:
DATE:

CONTRACTOR:
ADDRESS:

BY:
DATE:

ARCHITECT: LEWIS, ELLIOTT, McMORRAN, VADEN, RAGSDALE, & WOODWARD INCORPORATED
ADDRESS: 11225 HURON LANE, SUITE 104 LITTLE ROCK, ARKANSAS 72211

BY:
DATE:

PROJECT NUMBER: 23044
DRAWINGS AND PROJECT MANUAL DATED: 2024 08-16

DESIGN DATA

GENERAL CODES:

INTERNATIONAL BUILDING CODE (IBC)	2021 EDITION
ARKANSAS FIRE PREVENTION CODE (AFPC)	2021 EDITION

SEISMIC:

BUILDING RISK CATEGORY II	2021 IBC
SEISMIC DESIGN CATEGORY D	
GREENE COUNTY	AFPC REVISIONS

ACCESSIBILITY STANDARDS

ADA STANDARDS FOR ACCESSIBLE DESIGN	2010 EDITION

OCCUPANCY CLASSIFICATION:

SEE A2.0 CODE SHEET	IBC 305

BUILDING CONSTRUCTION TYPE:

TYPE VB - NON-SPRINKLERED - SEE A2.0

ALLOWABLE BUILDING HEIGHT AND AREA:

BUILDING A - EXISTING RENOVATED LESS THAN 50%
BUILDING B - 40' TALL; 15,750 SF/FLOOR
BUILDING C - 40' TALL ; 15,750 SF/FLOOR
BUILDING D - 40' TALL ; 15,750 SF/FLOOR

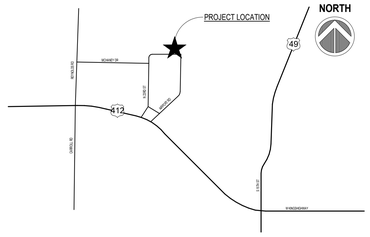
TOTAL BUILDING SQUARE FOOTAGE:

BUILDING A - EXISTING RENOVATED	1,268 SQ. FT.
BUILDING B - ADMIN BUILDING	3,500 SQ. FT.
BUILDING C - STREET DEPARTMENT	11,308 SQ. FT.
BUILDING D - SANITATION DEPARTMENT	9,705 SQ. FT.

FIRE PROTECTION

PORTABLE FIRE EXTINGUISHERS	NFPA 10

VICINITY MAP



CERTIFICATION STATEMENT:

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.

8/16/24

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- METAL STUD FRAMING (PLAN)
- GYPSUM PANELS
- WOOD BLOCKING CONTINUOUS (SECTION)
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- WOOD FINISHED FACE OR SOLID WOOD
- WOOD PLYWOOD (SECTION)
- CONCRETE (SECTION)
- RIGID INSULATION (SECTION)
- BATT INSULATION (SECTION)
- FILL MATERIAL (SECTION)
- REPLACED SOIL (SECTION)

SYMBOL LEGEND

- 100.1 — DOOR MARK, SEE DOOR SCHEDULE
- A — CASEWORK ELEVATION MARK
- B — WINDOW / STOREFRONT FRAME MARK
- CLASSROOM — ROOM NAME
- 101 — ROOM NUMBER
- LAY-1 | 9'-4" — ROOM CEILING HEIGHT / CEILING FINISH
- 3 / A4.4 — DETAIL / SECTION NUMBER / SHEET NUMBER

ABBREVIATIONS

AFF	ABOVE FINISH FLOOR
AT	ALUMINUM THRESHOLD
CEJC	CEILING EXPANSION JOINT COVER
CJ	CONTROL JOINT
CLG	CEILING
CONC	CONCRETE
CONT	CONTINUOUS
DTL	DETAIL
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FEJ	FLOOR EXPANSION JOINT
FLR	FLOOR
GB	GRAB BAR
MECH	MECHANICAL
NHO	NORMALLY HELD OPEN
NTS	NOT TO SCALE
OPG	OPENING
REQ	REQUIRED
SHT	SHEET
SIM	SIMILAR
STO	STORAGE
TYP	TYPICAL
WEJC	WALL EXPANSION JOINT COVER

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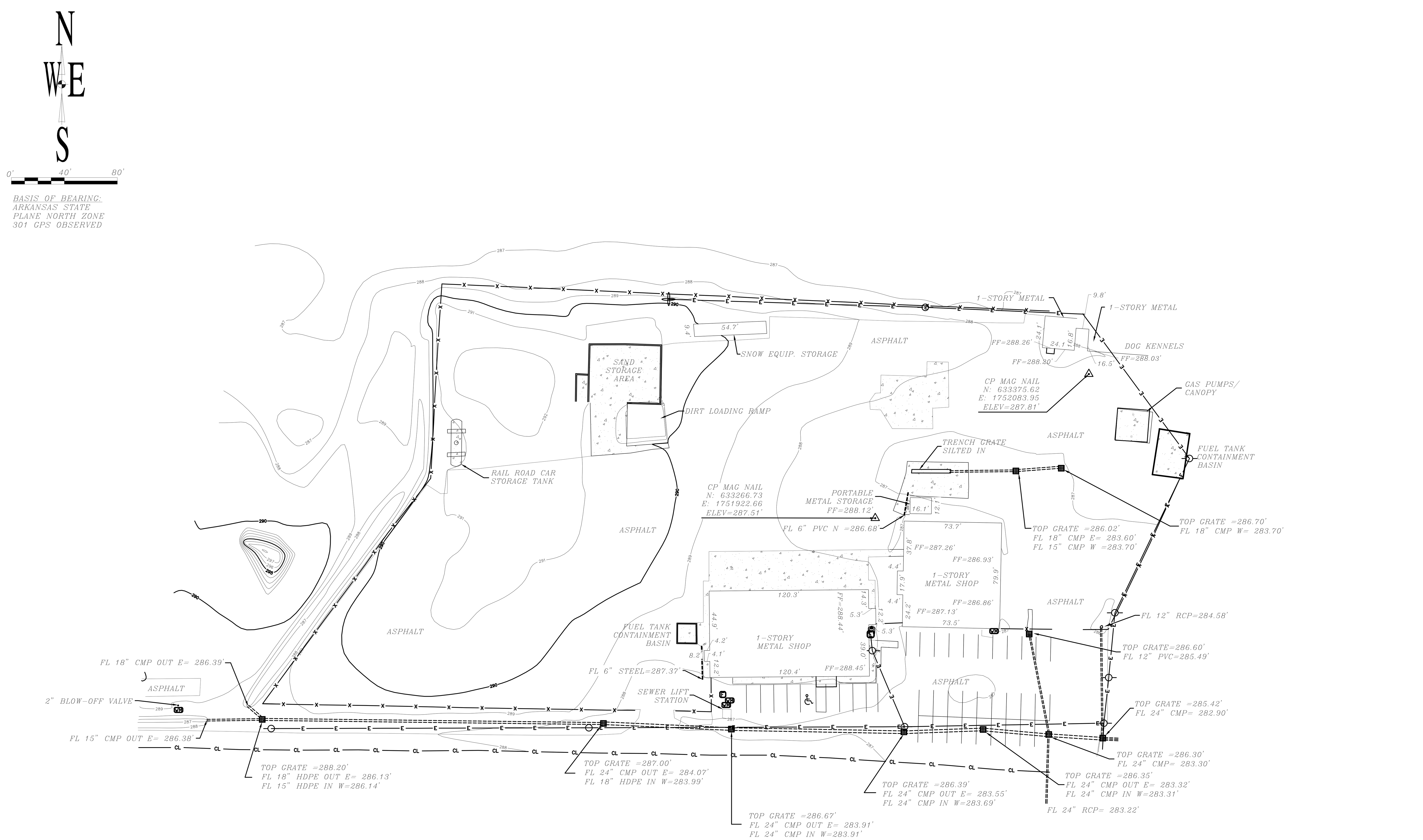
TITLE SHEET

PUBLIC WORKS ADDITIONS
CITY OF PARAGOULD
PARAGOULD, AR

REGISTERED ARCHITECT
LEWIS, ELLIOTT, McMORRAN, VADEN, RAGSDALE, & WOODWARD INC.
NO. C-82
ARKANSAS
8/16/24

DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY: Author
REV:

T1.1



VICINITY MAP

LEGEND

- Right of Way Monument
- Control Points
- Set Iron Pin
- Found Monument
- Gas Regulator
- Gas Riser
- Gas Meter
- Clean Out
- Sanitary Sewer Manhole
- Telephone Pedestal
- Electric Meter
- Electric Box
- Power Pole
- Guy Wire Anchor
- Light Pole
- Center Line
- Flag Pole
- Fire Hydrant
- Water Hydrant
- Down Spout
- Water Meter
- Water Valve
- Metal Drainage Grate
- Gate Post
- Ground Light
- Sign
- Junction Box
- Handicap Parking
- Manhole
- Bollard
- Mailbox
- RPZ Valve
- Tree
- Vault
- Air Conditioner
- Flow Direction
- Flared End Section
- T — Telephone Line
- S — Sanitary Sewer Main
- E — Electric Line
- G — Underground Gas
- W — Waterline
- X — Fence
- F — Fiber Optic
- Treeline
- Concrete

CERTIFICATE OF AUTHORIZATION
JOHNSTON SURVEYING LLC
No. 2542
ARKANSAS SURVEYOR

REGISTERED
STATE OF ARKANSAS
NO. 1348
SIGNATURE
MICHAEL M. JOHNSTON
PROFESSIONAL LAND SURVEYOR

CERTIFICATE

THE UNDERSIGNED, A REGISTERED LAND SURVEYOR HEREBY CERTIFIES THAT: (A) THIS SURVEY AND THE PROPERTY DESCRIPTION SET FORTH HEREON ARE TRUE AND CORRECT AND PREPARED FROM AN ACTUAL ON-THE-GROUND SURVEY OR THE REAL PROPERTY SHOWN HEREON: (B) SUCH SURVEY WAS CONDUCTED BY THE SURVEYOR OR UNDER HIS DIRECT SUPERVISION: (C) ALL MONUMENTS SHOWN HEREON ACTUALLY EXIST AND THE LOCATION, SIZE AND TYPE OF MATERIAL THEREOF ARE CORRECTLY SHOWN: (D) DISTANCES ARE GIVEN IN FEET AND DECIMAL PART THEREOF: (E) THE BOUNDARIES, DIMENSIONS, AND OTHER DETAILS SHOWN HEREON ARE TRUE AND CORRECT.

FOR THE USE AND BENEFIT OF: PARAGOULD PUBLIC WORKS

BY______________________________________ 5/31/24
REGISTERED LAND SURVEYOR # 1348 DATE

Flood Information
This property lies within Zone AE & X according to Federal Flood Insurance Rate Map Community Panel No. 05055C0335F, effective May 16, 2013.

Note:
All utilities shown per visible field evidence, lines marked on the ground, or verbal communication from onsite utility personnel. Surveyor is not responsible for existing underground utilities that are incorrectly located, omitted from or added to this plat.

PARAGOULD PUBLIC WORKS
600 AIIRPORT ROAD
PARAGOULD, AR
JOB NO. 912

JOHNSTON SURVEYING, INC
37027 HWY 300
ROLAND, AR 72135
501-837-5643
MJohnstonsurveying@gmail.com

DATE: 5/31/2024
SCALE: 1:40
DRAWN BY: H. GRAFTENREED
CHECKED BY: M. JOHNSTON
FILE NAME: C0.1 Survey

NORTH
1
C0.1
EXISTING CONDITIONS SURVEY
SCALE: 1" = 40'
0 40 80

ARKANSAS ONE CALL SYSTEM, INC.
811
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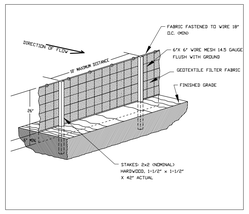
EXISTING CONDITIONS SURVEY

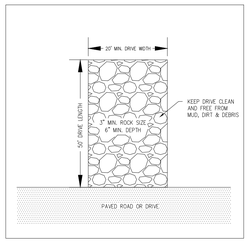
PUBLIC WORKS ADDITIONS
CITY OF PARAGOULD
PARAGOULD, AR

DATE: 2024-08-16
PROJECT NO: 23044
DRAWN BY: JM
REV:

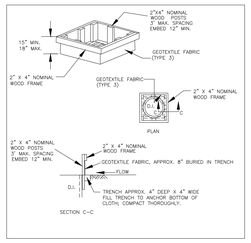
C0.1
1 OF 4



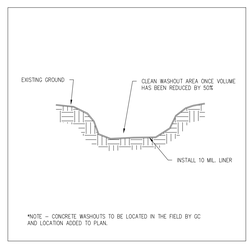
2 C1.0 **SILT FENCE DETAIL**
SCALE: N.T.S.



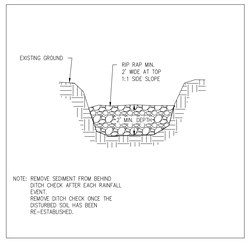
3 C1.0 **CONSTRUCTION DRIVE DETAIL**
SCALE: N.T.S.



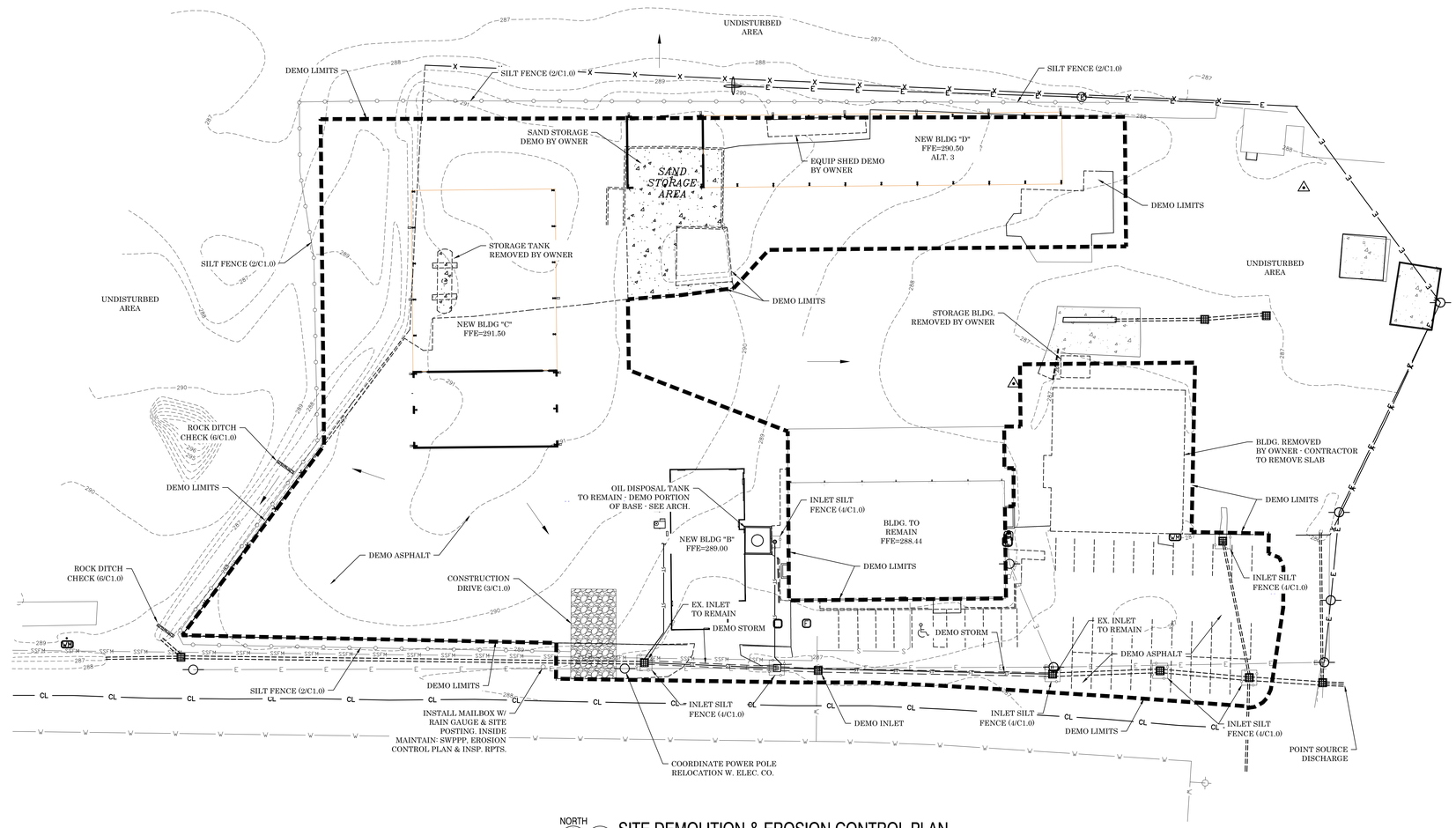
4 C1.0 **INLET SILT FENCE DETAIL**
SCALE: N.T.S.



5 C1.0 **CONCRETE WASHOUT DETAIL**
SCALE: N.T.S.



6 C1.0 **ROCK DITCH CHECK DETAIL**
SCALE: N.T.S.



NORTH
1 C1.0 **SITE DEMOLITION & EROSION CONTROL PLAN**
SCALE: 1" = 30'
0 30 60

GENERAL EROSION CONTROL NOTES:

1. THE CONTRACTOR WILL PRODUCE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) THAT MEETS THE REQUIREMENTS SET FORTH BY THE ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY.
2. THE CONTRACTOR WILL FILL OUT INSPECTION REPORTS AND LOG RAINFALL DATA AS REQUIRED BY THE SWPPP.
3. THE CONTRACTOR WILL INSTALL ALL EROSION CONTROL MEASURES PRIOR TO COMMENCING DIRTWORK ACTIVITIES ON THIS SITE.
4. THE CONTRACTOR WILL IMMEDIATELY CLEAN UP ANY SEDIMENT THAT LEAVES THIS SITE.
5. THE CONTRACTOR WILL RE-ESTABLISH ALL DISTURBED AREAS IN ACCORDANCE WITH THE SWPPP.
6. THE CONTRACTOR WILL REMOVE ALL EROSION CONTROL MEASURES ONCE THE SITE HAS BEEN RE-ESTABLISHED.

GENERAL SITE DEMOLITION NOTES:

1. ALL BIDDERS SHALL FIELD VERIFY EXIST SITE CONDITIONS SO AS TO BE FAMILIAR WITH PROJECT PRIOR TO BIDDING WORK INCLUDED IN THIS CONTRACT. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE DEMOLITION OF ANY UTILITIES, FACILITIES, STRUCTURES, ECT. IN THE OUTLINED AREA NOT SHOWN ON THIS PLAN BUT NECESSARY TO COMPLETE THIS PROJECT. ANY DISCREPANCIES SHALL BE ADDRESSED PRIOR TO BIDDING.
2. DEMOLITION SCOPE:
   1) CONTACT ENTERGY TO REMOVE METERS AND SERVICE POLES TO BUILDINGS BEING REMOVED.
   2) CUT & CAP ALL UNDERGROUND UTILITY SERVICES TO BUILDINGS BEING REMOVED. UNDERGROUND UTILITIES TO REMAIN UNDER PHASE I DEMOLITION.
   3) REMOVE ALL STRUCTURES WITHIN THE DEMOLITION LIMITS, INCLUDING SLABS AND FOOTINGS. BACKFILL FOOTING, SLABS AND ANY DEPRESSIONS TO MAINTAIN POSITIVE DRAINAGE THROUGHOUT THE SITE.
   4) REMOVE ALL SIDEWALKS, ASPHALT, ECT. A MINIMUM OF 15' OUTSIDE NEW BUILDING OUTLINE. OTHER HARDSCAPE WITHIN THE PHASE I DEMOLITION LIMITS MAY REMAIN FOR LAYDOWN AREAS AS DIRECTED BY THE GENERAL CONTRACTOR.
3. OWNER RETAINED ITEMS:
   1) THE OWNER WILL IDENTIFY ANY ITEMS TO BE REMOVED AND DELIVERED TO THE OWNER AT THE PRE-BID MEETING – LIST WILL BE PROVIDED BY ADDENDUM.
4. THE CONTRACTOR WILL COORDINATE ALL DEMOLITION ACTIVITIES WITH THE OWNER, ARCHITECT & LOCAL UTILITY COMPANIES.
5. THE EXISTING CONDITIONS SHOWN WERE TAKEN OFF OF A TOPOGRAPHIC SURVEY PROVIDED BY THE OWNER – ANY DISCREPANCIES SHOULD BE ADDRESSED PRIOR TO BIDDING.

ARKANSAS ONE-CALL SYSTEM, INC. DIAL 811 BEFORE YOU DIG

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SITE DEMOLITION & EROSION CONTROL PLAN

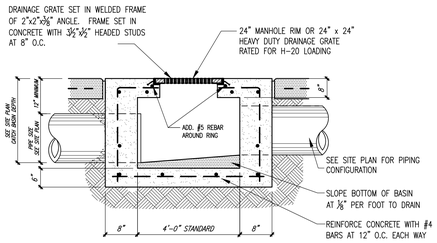
PUBLIC WORKS ADDITIONS
CITY OF PARAGOULD
PARAGOULD, AR

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 12242 8/16/24

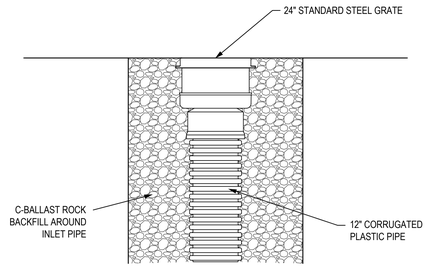
CERTIFICATE OF AUTHORIZATION MINTON ENGINEERING, INC. NO. 1564 ARKANSAS ENGINEER

DATE: 2024-08-16
PROJECT NO: 23044
DRAWN BY: JM
REV:

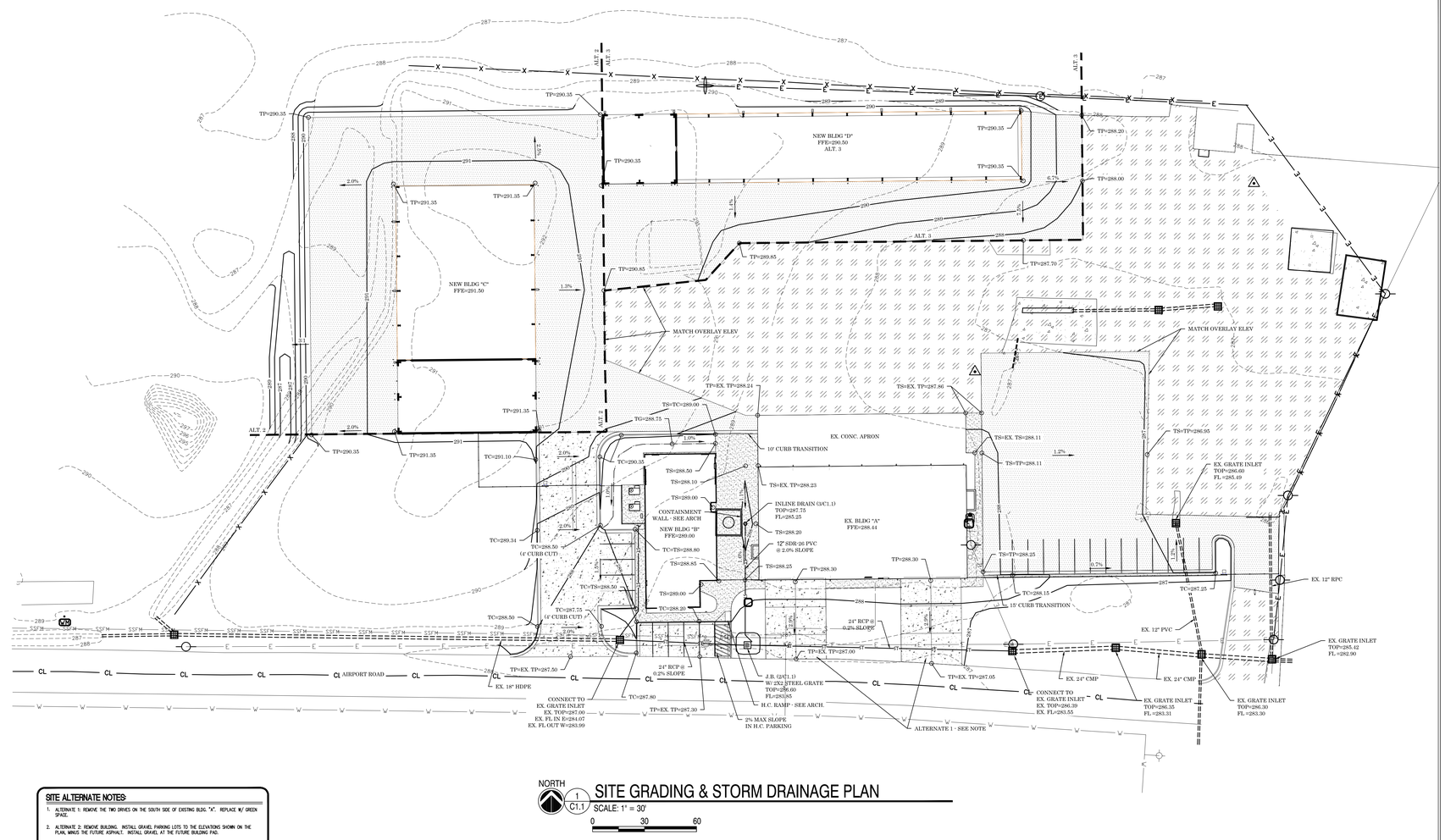
C1.0
2 of 4



2 C1.1 STORM DRAINAGE JUNCTION BOX (J.B.) DETAIL
NOT TO SCALE



3 C1.1 INLINE DRAIN DETAIL
N.T.S.



NORTH
1 C1.1 SITE GRADING & STORM DRAINAGE PLAN
SCALE: 1" = 30'
0 30 60

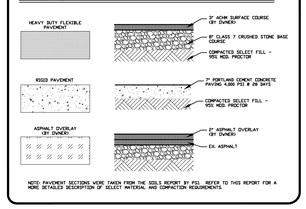
SITE ALTERNATE NOTES:

1. ALTERNATE 1: REMOVE THE TWO DRIVES ON THE SOUTH SIDE OF EXISTING BLDG. "A". REPLACE W/ GREEN SPACE.
2. ALTERNATE 2: REMOVE BUILDING. INSTALL GRAVEL PARKING LOTS TO THE ELEVATIONS SHOWN ON THE PLAN, MINUS THE FUTURE ASPHALT. INSTALL GRAVEL AT THE FUTURE BUILDING PAD.
3. ALTERNATE 3: REMOVE BUILDING. INSTALL GRAVEL PARKING LOTS TO THE ELEVATIONS SHOWN ON THE PLAN, MINUS THE FUTURE ASPHALT. INSTALL GRAVEL AT THE FUTURE BUILDING PAD.

GENERAL SITE GRADING NOTES:

1. ALL BIDDERS SHALL FIELD VERIFY EXIST SITE CONDITIONS SO AS TO BE FAMILIAR WITH PROJECT PRIOR TO BIDDING. WORK INCLUDED IN THIS CONTRACT. ANY DISCREPANCIES SHALL BE ADDRESSED PRIOR TO BIDDING.
2. CONTRACTOR TO VERIFY AND MARK ALL EXISTING UTILITIES PRIOR BEFORE ANY DEMOLITION OF NEW CONSTRUCTION WORK COMMENCES.
3. ALL WORK SHALL CONFORM TO LOCAL & STATE CODES. ELECTRICAL & PLUMBING LINES SHALL BE INSTALLED BY PROFESSIONALS LICENSED BY THE STATE OF ARKANSAS.
4. FIELD VERIFY EXACT LOCATION OF ALL EXISTING TREES. EXIST TREES NOT IN CONSTRUCTION AREA TO BE PROTECTED WITH 2x WOOD PLANKS CONT. IN LINE WITH DRIP EDGE OF TREE, SECURED TOGETHER & FLAGGED W/ORANGE TAPE. HEAVY EQUIPMENT TO WORK AS FAR AS POSSIBLE FROM EXIST TREES TO PREVENT DAMAGE TO FEEDER ROOTS. CONTRACTOR WILL BE REQUIRED TO COMPENSATE OWNER FOR ANY EXISTING TREES WHICH ARE DAMAGED OR DIE DUE TO CONSTRUCTION WORK.
5. THE GENERAL CONTRACTOR SHALL HAVE THE GEOTECHNICAL ENGINEER EMPLOYED TO OBSERVE SITE WORK MEET WITH THE GEOTECHNICAL ENGINEER THAT PROVIDED THE SOILS REPORT. THIS MEETING SHOULD OCCUR AT OR BEFORE THE PRE-CONSTRUCTION MEETING TO INSURE THE AMOUNT OF UNDERCUT THAT MAY BE REQUIRED FOR THE PROJECT. RECOMMENDATIONS BY GEO-TECHNICAL ENGINEER SHALL NOT BE IMPLEMENTED INTO WORK WITHOUT AUTHORIZATION FROM OWNER & ARCHITECT. NOTIFY ARCHITECT IMMEDIATELY IF UNEXPECTED SUBSURFACE CONDITIONS ARE ENCOUNTERED. THE CONTRACTOR WILL REFERENCE THE GEOTECHNICAL REPORT FOR A MORE DETAILED DESCRIPTION OF EARTHWORK AND COMPACTION REQUIREMENTS.
6. SEQUENCE OF DIRTWORK ACTIVITIES (REFERENCE GEOTECH REPORT):
   1)ALL EXISTING IMPROVEMENTS WILL BE REMOVED AS NECESSARY FOR SITE CONSTRUCTION. SEE DEMO PLAN.
   2)TOPSOIL WILL BE REMOVED FOR EX. GREEN SPACES UNDER ALL STRUCTURAL ELEMENTS (BUILDINGS, PARKING & DRIVE AREAS). THIS MATERIAL CAN BE USED ON SITE AS UNCLASSIFIED FILL (GREEN SPACES).
   3)SEE GEOTECH REPORT FOR UNDERCUT RECOMMENDATIONS. SELECT FILL WILL BE PLACED TO 10' OUTSIDE BUILDING, 5' OUTSIDE THE CURB FOR DRIVES AND PARKING.
   4)PROOF ROLL ALL SUBGRADE PRIOR TO PLACING FILL, REMOVE AND REPLACE WITH COMPACTED SELECT FILL AS DIRECTED BY GEOTECH.
   5)SELECT FILL WILL BE PLACED IN LOOSE 8" LIFTS AND COMPACTED TO 95% MODIFIED PROCTOR WITHIN 2% OPTIMUM MOISTURE CONTENT. SEE GEOTECH REPORT FOR SELECT FILL REQUIREMENTS.
7. ALL HANDICAP PARKING AND ACCESSIBLE ROUTES SHALL MEET ADA REQUIREMENTS. MAXIMUM CROSS-SLOPE ON ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 2.0% AND THE MAXIMUM RUNNING-SLOPE ON ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 5.0% WITHOUT HANDRAILS AND LANDING AREAS, 8.3% WITH HANDRAILS AND LANDING AREAS. HANDICAPPED PARKING AREAS SHALL NOT SLOPE MORE THAN 2.0% IN ANY DIRECTION. EACH HANDICAP PARKING SPOT SHALL HAVE A SIGN. THE CONTRACTOR WILL REFER TO THE "CODE OF FEDERAL REGULATIONS" 28 CFR PART 36 "ADA STANDARDS FOR ACCESSIBLE DESIGN" FOR A MORE DETAILED DESCRIPTION OF STANDARDS.
8. ALL SIDEWALK, SIDEWALK JOINTS, CURB, STAIR HANDICAP SIGN & WALL DETAILS WILL BE SHOWN ON THE ARCHITECTURAL SITE PLANS.

PAVING LEGEND:



NOTE: PAVEMENT SECTIONS WERE TAKEN FROM THE SOILS REPORT BY PSI. REFER TO THIS REPORT FOR A MORE DETAILED DESCRIPTION OF SELECT MATERIAL AND COMPACTION REQUIREMENTS.

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SITE GRADING & STORM DRAINAGE PLAN

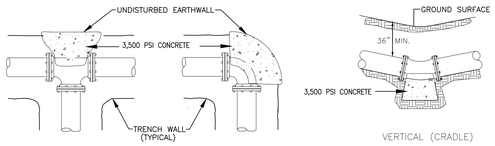
PUBLIC WORKS ADDITIONS
CITY OF PARAGOULD
PARAGOULD, AR

ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 12742
8/15/24
CERTIFICATE OF AUTHORIZATION
MINTON ENGINEERING, INC. NO. 1564
ARKANSAS ENGINEER

DATE: 2024-08-16
PROJECT NO: 23044
DRAWN BY: JM
REV:

ARKANSAS ONE-CALL SYSTEM, INC. KNOW WHAT'S BELOW CALL BEFORE YOU DIG

C1.1
3 of 4

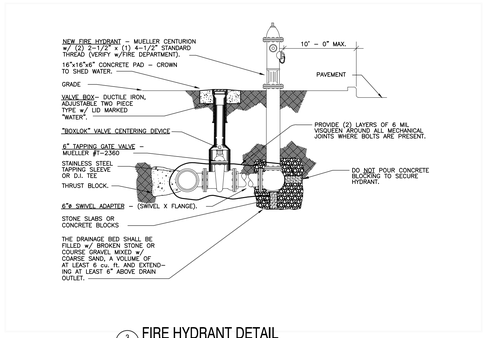


NOTES:

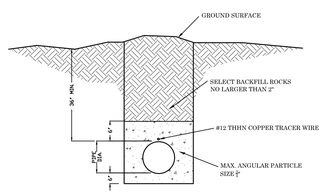
1. All fittings shall be mechanical joint with retainer glands.
2. Do not cover bells or flanges with concrete.
3. Wrap all fittings with visqueen.
4. Back all tees according to size of branch.
5. Backing future line extensions shall be such that later removal is possible.
6. All bends where fittings are used, both horizontal and vertical, shall be backed.
7. Reaction backing table is based on 150 p.s.i. and soil bearing pressure of 2,500 lb./sq. ft. Additional backing may be required in some areas as directed by engineer.

REACTION BACKING TABLE					
REQUIRED SQ. FT. OF UNDISTURBED EARTHWALL FOR REACTION BACKING					
SIZE	TYPE OF FITTINGS				
	TEE OR PLUG/CAP	90°	45°	22 1/2°	11 1/4°
2"–4"	2	2	1	1	1
6"	3	3	2	1	1
8"	4	4	3	2	2
12"	10	10	5	3	2
18"	26	26	14	7	4
24"	38	38	20	10	7
30"	59	59	32	16	10

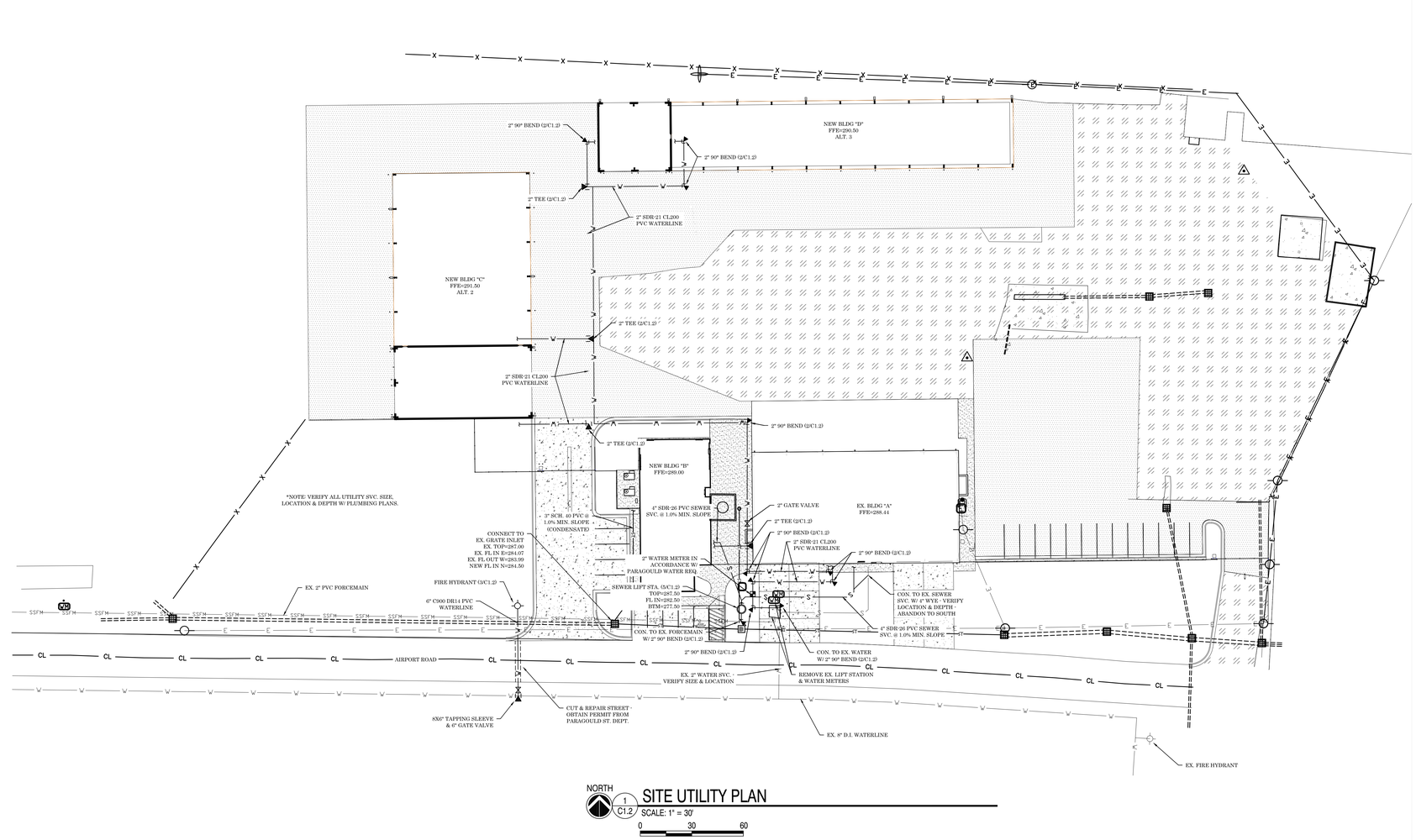
2 C1.2 WATERLINE BLOCKING DETAIL
NOT TO SCALE



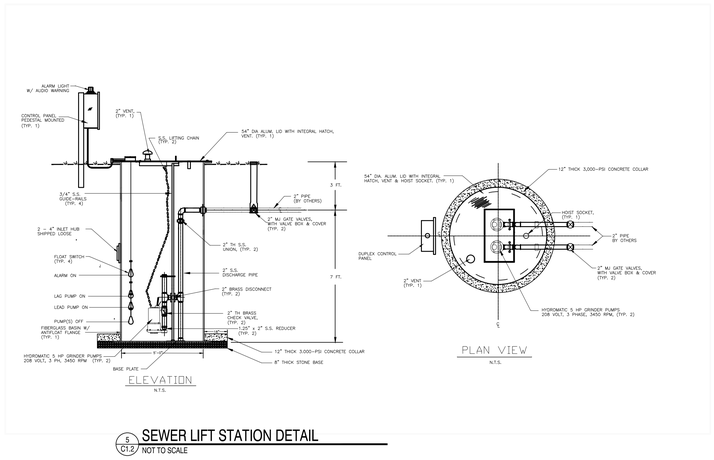
3 C1.2 FIRE HYDRANT DETAIL
NOT TO SCALE



4 C1.2 WATER BEDDING DETAIL
NOT TO SCALE



NORTH
1 C1.2 SITE UTILITY PLAN
SCALE: 1" = 30'
0 30 60



5 C1.2 SEWER LIFT STATION DETAIL
NOT TO SCALE

GENERAL UTILITY NOTES:

1. ALL BIDDERS SHALL FIELD VERIFY EXIST SITE CONDITIONS SO AS TO BE FAMILIAR WITH PROJECT PRIOR TO BIDDING WORK INCLUDED IN THIS CONTRACT. ANY DISCREPANCIES SHALL BE ADDRESSED PRIOR TO BIDDING.
2. CONTRACTOR TO VERIFY AND MARK ALL EXISTING UTILITIES PRIOR BEFORE ANY DEMOLITION OR NEW CONSTRUCTION WORK COMMENCES.
3. ALL WORK SHALL CONFORM TO LOCAL & STATE CODES; ELECTRICAL & PLUMBING LINES SHALL BE INSTALLED BY PROFESSIONALS LICENSED BY THE STATE OF ARKANSAS.
4. ALL WORK SHALL CONFORM TO THE SPECIFICATIONS SET FORTH BY THE ARKANSAS DEPARTMENT OF HEALTH AND THE PARAGOULD WATER DEPARTMENT. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY CONNECTION FEES AND AS-BUILTS REQUIRED.
5. CONTRACTOR TO VERIFY UTILITY CONNECTION LOCATIONS TO THE BUILDING WITH THE PLUMBING SHEETS.
6. ALL WATER AND SEWER LINES SHALL MAINTAIN 10' OF HORIZONTAL SEPERATION AND 18" OF VERTICAL SEPERATION, WATER OVER SEWER. WATERTIGHT CASING WITH SEALED WATERTIGHT ENDS WILL BE REQUIRED IF THESE DIMENSIONS CAN NOT BE ACHIEVED.

GRADATION PLAN NOTE

PRIOR TO INSTALLING ANY SANITARY, STORM, GAS OR WATER LINES BELOW GRADE, THE PLUMBING CONTRACTOR SHALL FURNISH TO THE ARCHITECT TWO COPIES OF A GRADATION PLAN OF THE BUILDING DRAINS AND SEWER LINES WITH PROPOSED ELEVATION GRADES SHOWN AT EACH MAJOR GROUP OF PLUMBING FIXTURES, AT EACH PIPE LINE INTERSECTION, AT EACH PIPE LINE CROSSING, AT EACH GRADE BEAM OR FOOTING PENETRATION/INTERSECTION AND AT ANY EXISTING PIPE LINE CONNECTIONS. THE PLAN SHALL ALSO INCLUDE ALL THOSE PIPE INTERSECTIONS AND/OR PIPE CROSSINGS THAT ARE EXTERIOR OF BUILDING/ADDITION INCLUDING ANY MANHOLES, CONNECTION TO EXISTING MAINS AND CLEANOUTS TO GRADE.

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SITE UTILITY PLAN

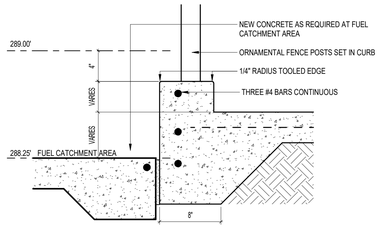
PUBLIC WORKS ADDITIONS
CITY OF PARAGOULD
PARAGOULD, AR

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 12742
JOSH M. MINTON
5/16/24

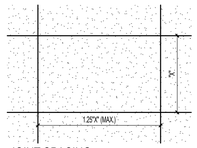
CERTIFICATE OF AUTHORIZATION
MINTON ENGINEERING, INC.
NO. 1564
ARKANSAS ENGINEER

DATE: 2024-08-16
PROJECT NO: 23044
DRAWN BY: JM
REV:

C1.2
4 OF 4



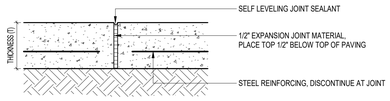
9 A0.1 FUEL CONTAINMENT AREA
1 1/2" = 1'-0"



SAWN JOINT SPACING

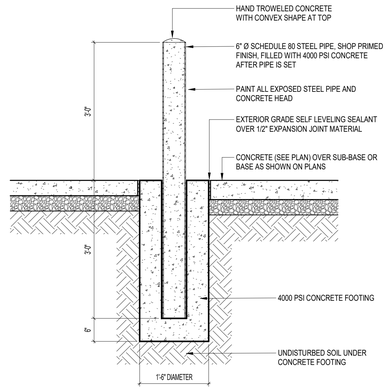
SLAB THICKNESS	MAX SPACING
3-1/2"	8'-0"
4"	10'-0"
4-1/2"	10'-0"
5"	12'-6"
5-1/2"	12'-6"
6"+	15'-0"

JOINT SPACING

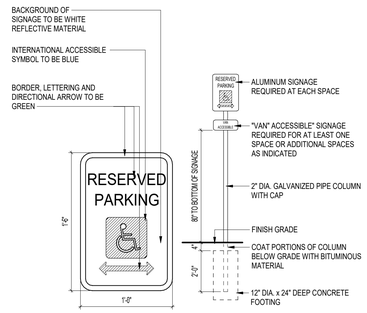


EXPANSION JOINT (E.J.) IF NEEDED BETWEEN POURS

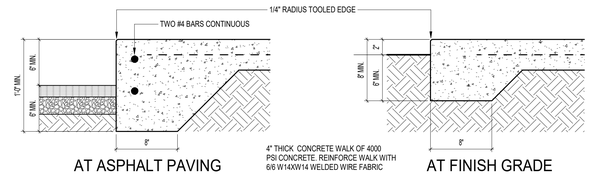
3 A0.1 CONCRETE PAVING DETAILS
1 1/2" = 1'-0"



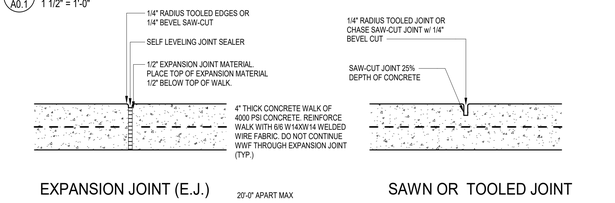
2 A0.1 PIPE BOLLARD DETAIL
3/4" = 1'-0"



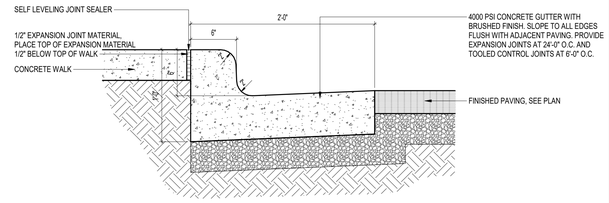
7 A0.1 ADA SIGN DETAIL
1 1/2" = 1'-0"



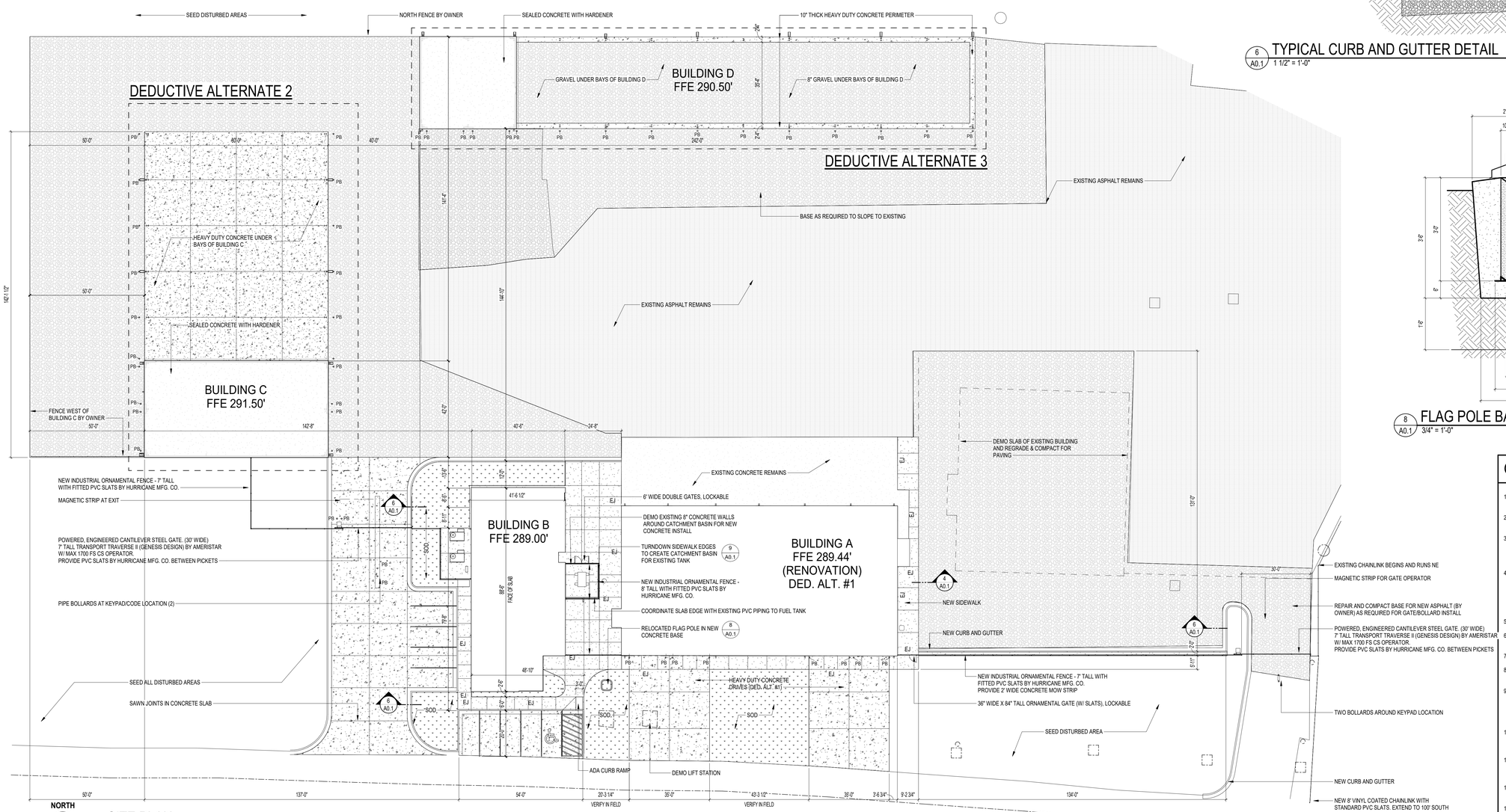
4 A0.1 TYPICAL CONCRETE WALK EDGE DETAILS
1 1/2" = 1'-0"



5 A0.1 TYPICAL CONCRETE WALK JOINT DETAILS
1 1/2" = 1'-0"



6 A0.1 TYPICAL CURB AND GUTTER DETAIL
1 1/2" = 1'-0"



1 A0.1 SITE PLAN
1" = 20'-0"

8 A0.1 FLAG POLE BASE DETAIL
3/4" = 1'-0"

GENERAL SITE NOTES

1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY/COUNTY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
2. THE SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE "PROJECT SPECIFICATIONS".
3. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, PRECISE BUILDING DIMENSIONS, EXACT BUILDING UTILITY ENTRANCE LOCATIONS, ETC.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, (UNLESS OTHERWISE NOTED ON PLANS) INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES REQUIREMENTS AND PROJECT SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COSTS SHALL BE INCLUDED IN BASE BID.
5. ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
6. ALL PAVING TO BE STANDARD DUTY ASPHALTIC CONCRETE PAVING UNLESS OTHERWISE NOTED.
7. ALL CURB/HANDICAP RAMP DESIGN SHALL CONFORM TO ADA STANDARDS.
8. ALL NEW PARKING SPACES ARE TO BE PAINTED WITH 4" SINGLE WHITE SOLID LINES UNLESS OTHERWISE NOTED.
9. ALL HANDICAP SPACES ARE TO RECEIVE A HANDICAP SIGN (SIGN R7-8 PER FEDERAL MANUAL ON TRAFFIC CONTROL DEVICES). PAINTED ACCESSIBLE SYMBOLS SHALL BE INSTALLED IN ALL HANDICAP SPACES AS SHOWN ON THE PLANS. HANDICAP SPACES AND SYMBOLS SHALL BE PAINTED BLUE OR PER LOCAL CODE.
10. ALL TRAFFIC SIGNAGE, PAVEMENT MARKINGS, AND PARKING LOT STRIPING SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REQUIREMENTS.
11. ALL DISTURBED AREAS ARE TO RECEIVE FOUR (4) INCHES OF TOPSOIL, SEED, MULCH AND WATER UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.
12. PATCH AND REPAIR EXISTING PAVING WHERE DISTURBED BY NEW CONSTRUCTION BEYOND SAW-CUT JOINT FOR NEW CONSTRUCTION
13. SITE BOUNDARY, TOPOGRAPHY, UTILITY AND ROAD INFORMATION WAS TAKEN FROM A SURVEY BY JOHNSTON SURVEYING OF ROLAND, ARKANSAS.

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ENGINEERS 501 223 9302 • WWW.LEMVRW.COM

SITE PLAN

PUBLIC WORKS ADDITIONS
CITY OF PARAGOULD
PARAGOULD, AR

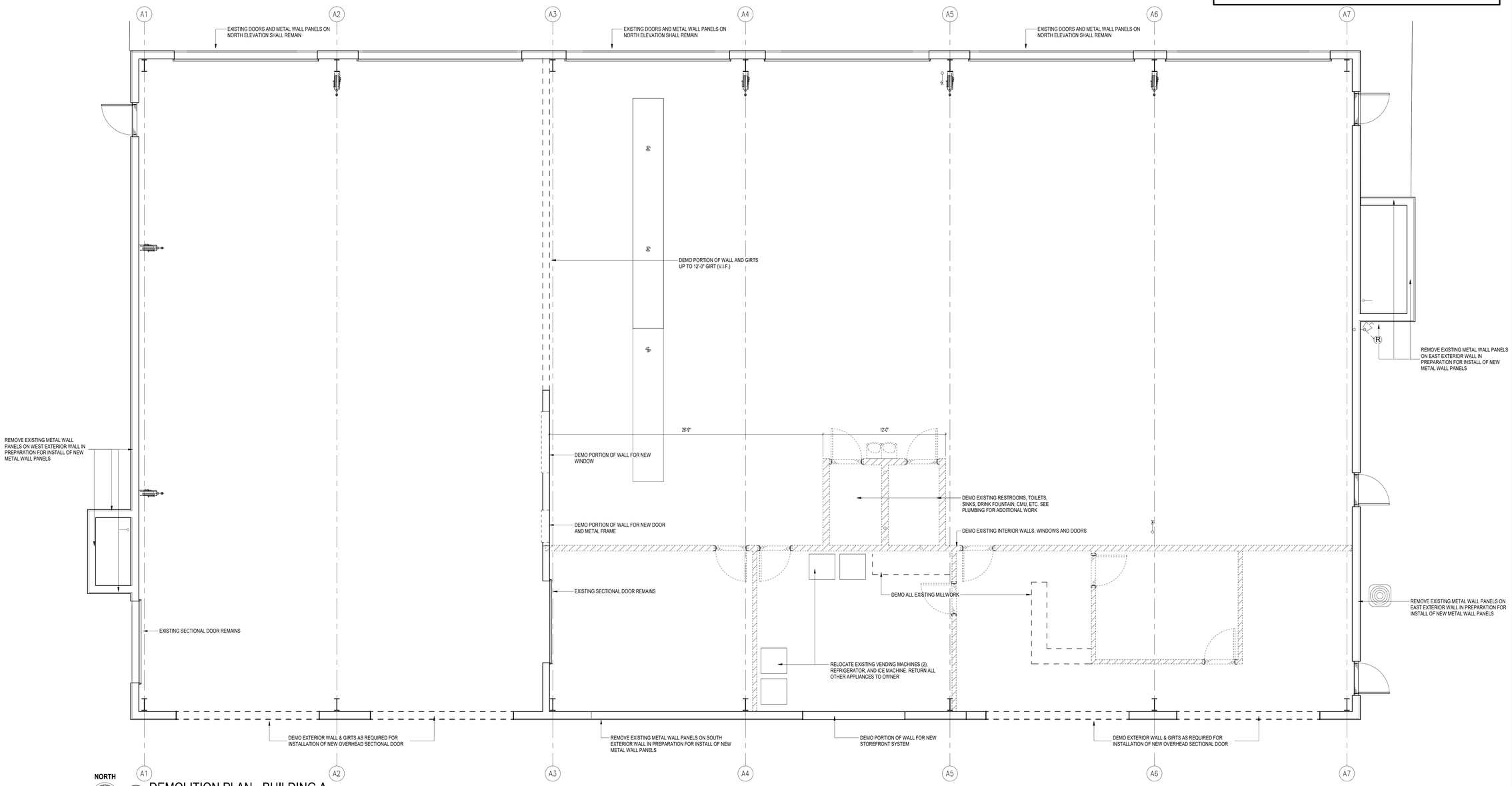
REGISTERED ARCHITECT
LEWIS ELLIOTT
ARKANSAS
8/19/24

DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY: Author
REV:

A0.1

GENERAL DEMOLITION NOTES

1. SEE ALL OTHER DRAWINGS (PLANS, SECTIONS , STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, ETC.) FOR ADDITIONAL DEMOLITION NOT SHOWN ON DEMOLITION PLAN.
2. ALL EXISTING WALLS TO BE PARTIALLY REMOVED SHALL BE CUT AND REMOVED AS REQUIRED FOR NEW CONSTRUCTION. SEE FLOOR PLANS. WHERE WALLS ARE TO BE REMOVED, ADJOIN OR ABUT EXISTING WALLS TO REMAIN, PROTECT WALLS TO REMAIN DURING DEMOLITION. ALL REMAINING WALLS TO BE PATCHED AND REPAIRED AS REQUIRED SO THAT NO EVIDENCE OF REMOVED WALLS REMAIN VISIBLE.
3. NO STRUCTURAL ELEMENTS (BEAMS, COLUMNS, BEARING WALLS, ETC.) SHALL BE REMOVED UNLESS SPECIFICALLY NOTED IN STRUCTURAL DRAWINGS. VERIFY LOCATION OF ALL EXISTING STRUCTURAL ELEMENTS.
4. DEMOLITION OF ANY ITEM (DOOR, WINDOW, WALL, ETC.) SHALL NOT COMPROMISE THE SECURITY OF THE BUILDING AT ANY TIME. BUILDINGS MUST REMAIN LOCKABLE AT ALL TIMES WHEN WORKERS ARE NOT PRESENT.
5. CONTRACTOR IS RESPONSIBLE FOR DISPOSAL (ACCORDING TO ALL LOCAL, STATE AND FEDERAL REGULATIONS) OF ITEMS SHOWN TO BE REMOVED.
6. CONTRACTOR TO VISIT THE SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING THE PROJECT. BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BID.
7. PATCH AND REPAIR ALL WALLS TO MATCH EXISTING WHERE DEMOLITION BY ANY TRADE OCCURS.
8. SAW-CUT, REMOVE, AND REPLACE EXISTING CONCRETE SLAB AS REQUIRED FOR ALL UNDER SLAB PLUMBING AND ELECTRICAL WORK. SEE PLUMBING AND ELECTRICAL DRAWINGS FOR LOCATIONS.
9. BID SHALL INCLUDE DEMOLITION OF ALL ITEMS, SHOWN OR NOT, AS REQUIRED TO COMPLETE INSTALLATION OF NEW WORK.
10. ALL DEMOLITION INVOLVING ITEMS THAT PENETRATE THE ROOF SHALL NOT BE PERFORMED UNLESS IMMEDIATE ROOF PATCH CAN BE MADE BY ROOFING CONTRACTOR.
11. REMOVE FLOORING AND CEILINGS IN ALL AREAS SCHEDULED TO RECEIVE NEW FINISHES.
12. SHORE EXISTING WALLS AS REQUIRED FOR CONSTRUCTION OF OPENINGS OR NEW DOORS/WINDOWS.
13. ANY / ALL PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED / REPLACED, AT THE DISCRETION OF THE ARCHITECT, BY THE CONTRACTOR TO THE SATISFACTION OF THE ARCHITECT.
14. CARE SHALL BE TAKEN DURING DEMOLITION TO PROTECT ALL ELEMENTS OF THE BUILDING.
15. DEMO AND REPAIR EXISTING AS REQUIRED FOR THE INSTALLATION OF ALL NEW CONSTRUCTION (SHOWN OR NOT), SEE STRUCT, MECH, ELECT AND PLUMBING DRAWINGS. PATCH AND REPAIR EXISTING AS REQUIRED BY DEMOLITION OF ALL TRADES.



NORTH

1 / A1.0 DEMOLITION PLAN - BUILDING A
1/4" = 1'-0"

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DEMOLITION PLAN

PUBLIC WORKS ADDITIONS
CITY OF PARAGOULD
PARAGOULD, AR

REGISTERED ARCHITECT
LEWIS, ELLIOTT, MCMORRAN, VADEN, RAGSDALE, WOODWARD, INC.
NO. C-82
ARKANSAS
8/16/24

DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY:
REV:

A1.0

IBC TABLE 601
FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS

BUILDING ELEMENT	TYPE I		TYPE II		TYPE III		TYPE IV	TYPE V	
	A	B	A	B	A	B	HT	A	B
PRIMARY STRUCTURAL FRAME	3	2	1	0	1	0	HT	1	0
BEARING WALLS									
EXTERIOR	3	2	1	0	2	2	2	1	0
INTERIOR	3	2	1	0	1	0	1/HT	1	0
NONBEARING INTERIOR WALLS									
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	2	2	1	0	1	0	HT	1	0
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	1.5	1	1	0	1	0	HT	1	0

FIREPROOFING NOTES: TYPE V-B CONSTRUCTION

BUILDING ELEMENT	RATING	APPLICATION/PRODUCT

LIFE SAFETY: BUILDING A

FIRE AREA A - S-1, NS, TYPE VB

ALLOWABLE AREA FACTOR S-1, NS, VB (TABLE 506.2):
9,000 SF PER FLOOR

FRONTAGE INCREASE: .75 x 9,000SF = 6,750 SF

TOTAL ALLOWABLE AREA:
15,750 SF PER FLOOR

ACTUAL AREA (MEASURED WITHIN EXTERIOR WALLS):
7,580 SF LOWER LEVEL (ONLY 1,330 SF RENOVATED SPACE)

ALLOWABLE HEIGHT (TABLE 504.3):
40 FEET

ACTUAL HEIGHT
31 FEET

ALLOWABLE STORIES (TABLE 504.4):
ONE STORY

ACTUAL STORIES:
ONE STORY

FIRE EXTINGUISHERS: EXISTING (75' MAX TRAVEL DISTANCE)

LIFE SAFETY: BUILDING B

FIRE AREA B - B, NS, TYPE VB

ALLOWABLE AREA FACTOR B, NS, VB (TABLE 506.2):
9,000 SF PER FLOOR

FRONTAGE INCREASE: .75 x 9,000SF = 6,750 SF

TOTAL ALLOWABLE AREA:
15,750 SF PER FLOOR

ACTUAL AREA (MEASURED WITHIN EXTERIOR WALLS):
3,500 SF LOWER LEVEL

ALLOWABLE HEIGHT (TABLE 504.3):
40 FEET

ACTUAL HEIGHT:
20 FEET

ALLOWABLE STORIES (TABLE 504.4):
TWO STORY

ACTUAL STORIES:
ONE STORY

FIRE EXTINGUISHERS: SEE PLANS (75' MAX TRAVEL DISTANCE)

LIFE SAFETY: BUILDING C

FIRE AREA C - S-1, NS, TYPE VB

ALLOWABLE AREA FACTOR S-1, NS, VB (TABLE 506.2):
9,000 SF PER FLOOR

FRONTAGE INCREASE: .75 x 9,000SF = 6,750 SF

TOTAL ALLOWABLE AREA:
15,750 SF PER FLOOR

ACTUAL AREA (MEASURED WITHIN EXTERIOR WALLS):
11,360 SF LOWER LEVEL

ALLOWABLE HEIGHT (TABLE 504.3):
40 FEET

ACTUAL HEIGHT
28 FEET

ALLOWABLE STORIES (TABLE 504.4):
ONE STORY

ACTUAL STORIES:
ONE STORY

FIRE EXTINGUISHERS: (75' MAX TRAVEL DISTANCE)

LIFE SAFETY: BUILDING D

FIRE AREA D - S-1, NS, TYPE VB

ALLOWABLE AREA FACTOR S-1, NS, VB (TABLE 506.2):
9,000 SF PER FLOOR

FRONTAGE INCREASE: .75 x 9,000SF = 6,750 SF

TOTAL ALLOWABLE AREA:
15,750 SF PER FLOOR

ACTUAL AREA (MEASURED WITHIN EXTERIOR WALLS):
9,715 SF LOWER LEVEL (ONLY 1,330 SF RENOVATED SPACE)

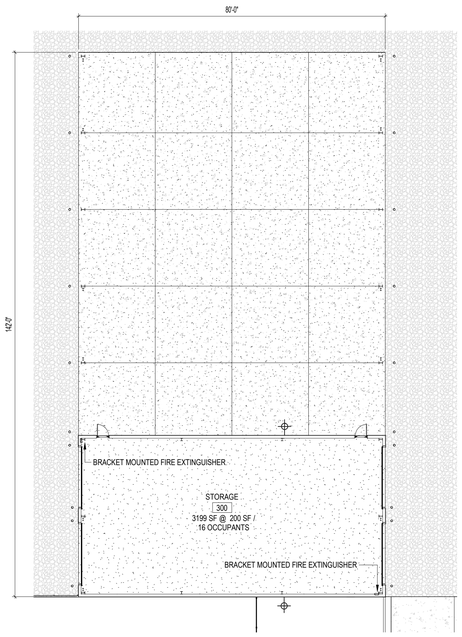
ALLOWABLE HEIGHT (TABLE 504.3):
40 FEET

ACTUAL HEIGHT
24 FEET

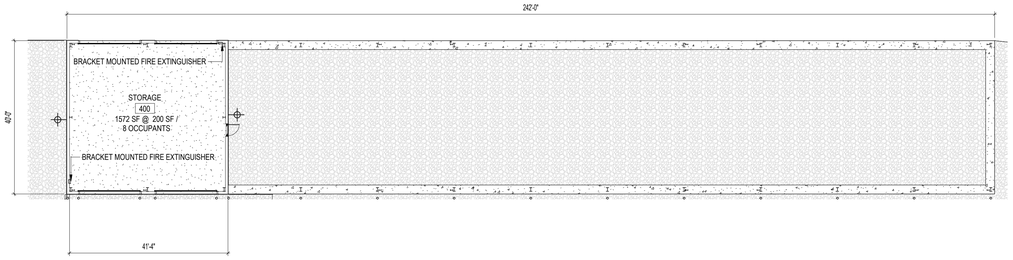
ALLOWABLE STORIES (TABLE 504.4):
ONE STORY

ACTUAL STORIES:
ONE STORY

FIRE EXTINGUISHERS: (75' MAX TRAVEL DISTANCE)



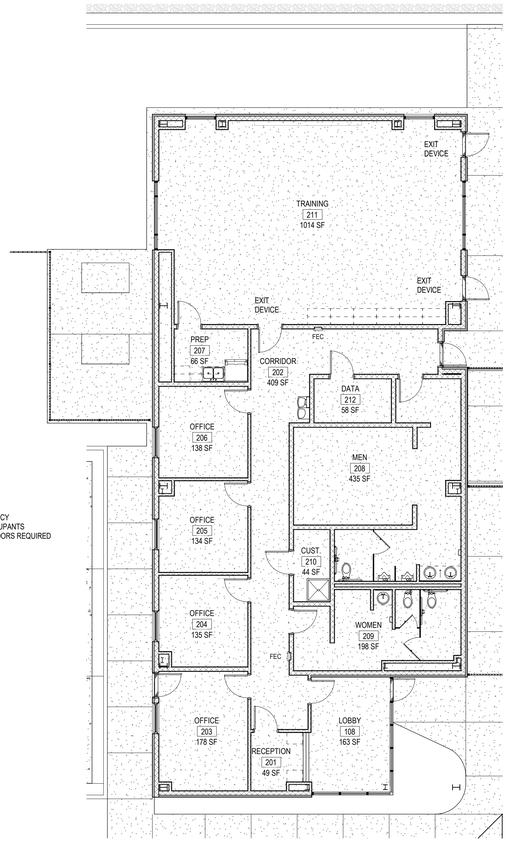
3 A2.0 BUILDING C - LIFE SAFETY PLAN
1/16" = 1'-0"



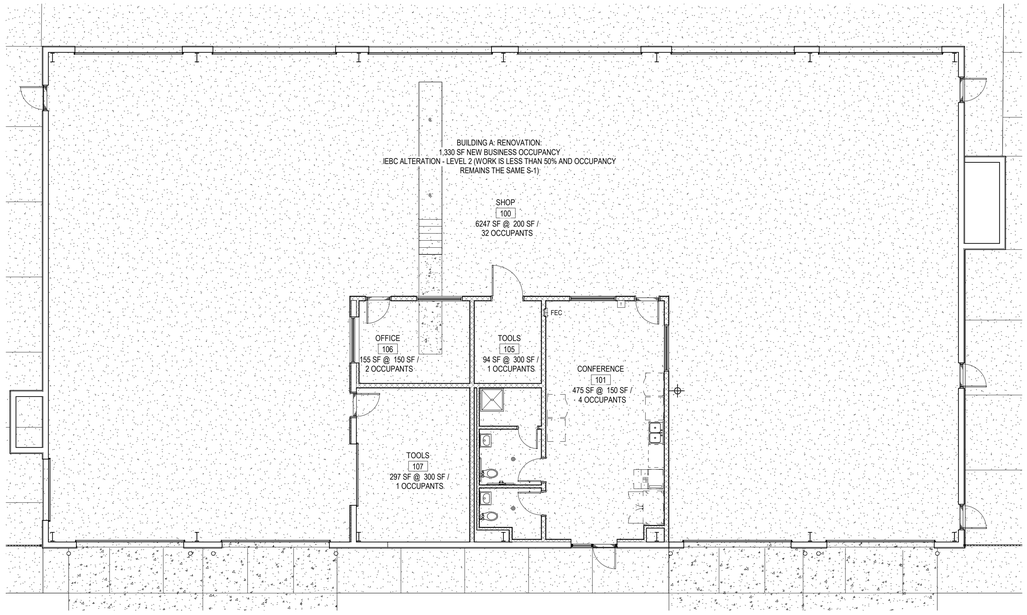
NORTH

4 A2.0 BUILDING D - LIFE SAFETY PLAN
1/16" = 1'-0"

BUILDING B: ADMINISTRATION
3,400 SF NEW BUSINESS OCCUPANCY
150 SF (GROSS) PER PERSON = 23 OCCUPANTS
THEREFORE, NO SPRINKLER OR RATED CORRIDORS REQUIRED



2 A2.0 BUILDING B - LIFE SAFETY PLAN
1/8" = 1'-0"



1 A2.0 BUILDING A - LIFE SAFETY PLAN
1/8" = 1'-0"

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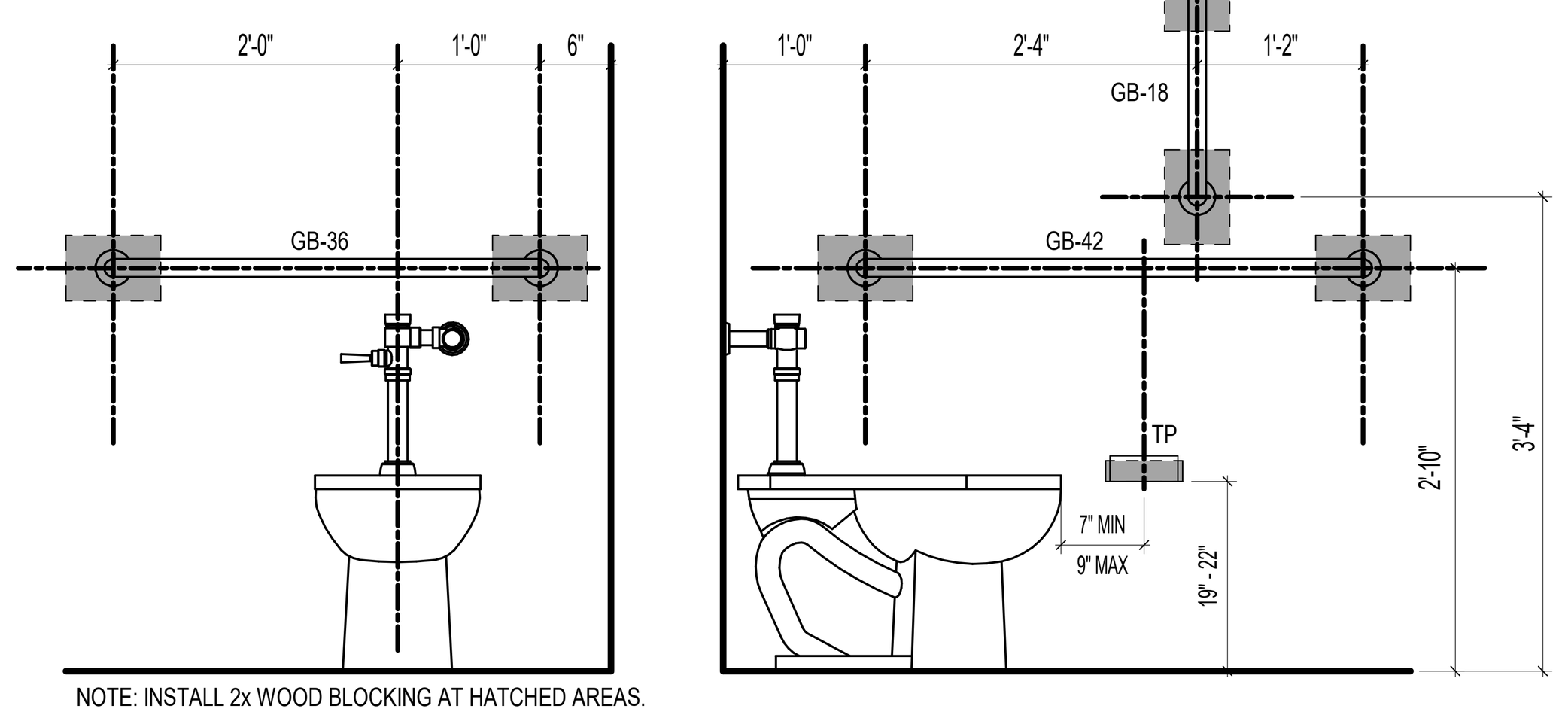
LIFE SAFETY PLANS

PUBLIC WORKS ADDITIONS
CITY OF PARAGOULD
PARAGOULD, AR

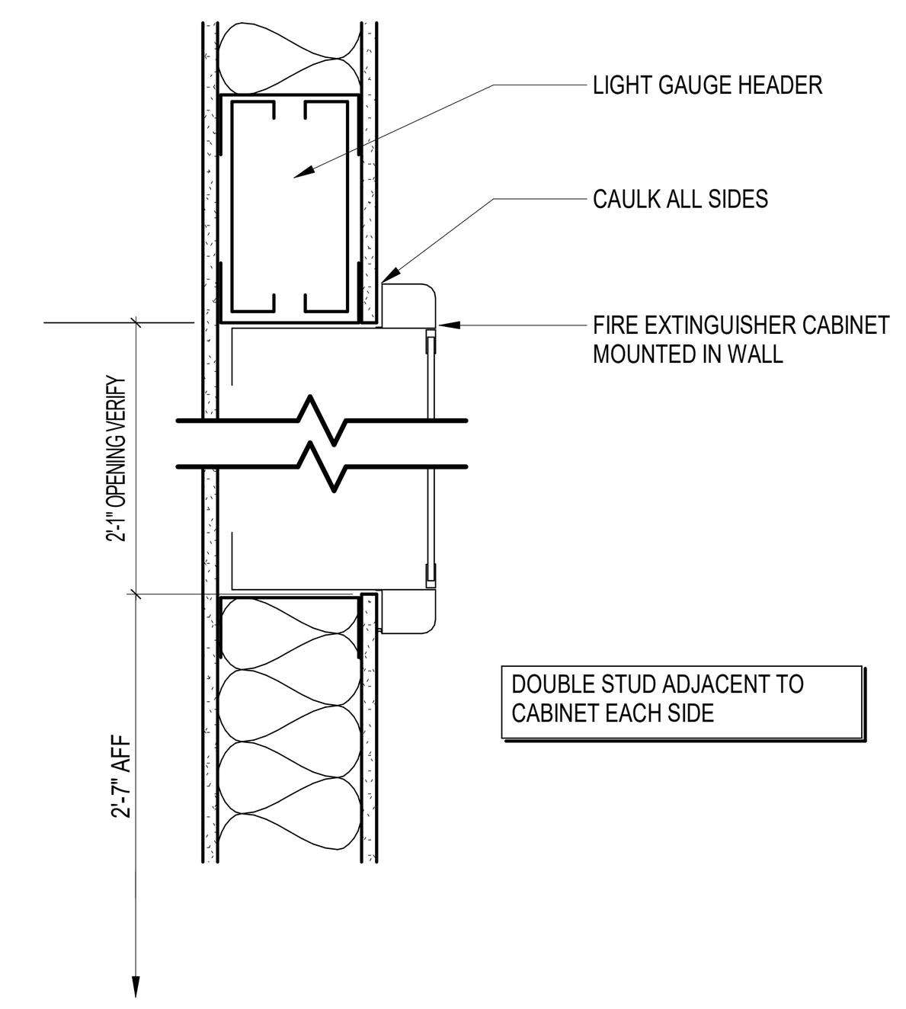
REGISTERED ARCHITECT
LEWIS, ELLIOTT
MCMORRAN
VADEN, RAGSDALE
WOODWARD
NO. C--92
ARKANSAS
8/16/24

DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY: R.P
REV:

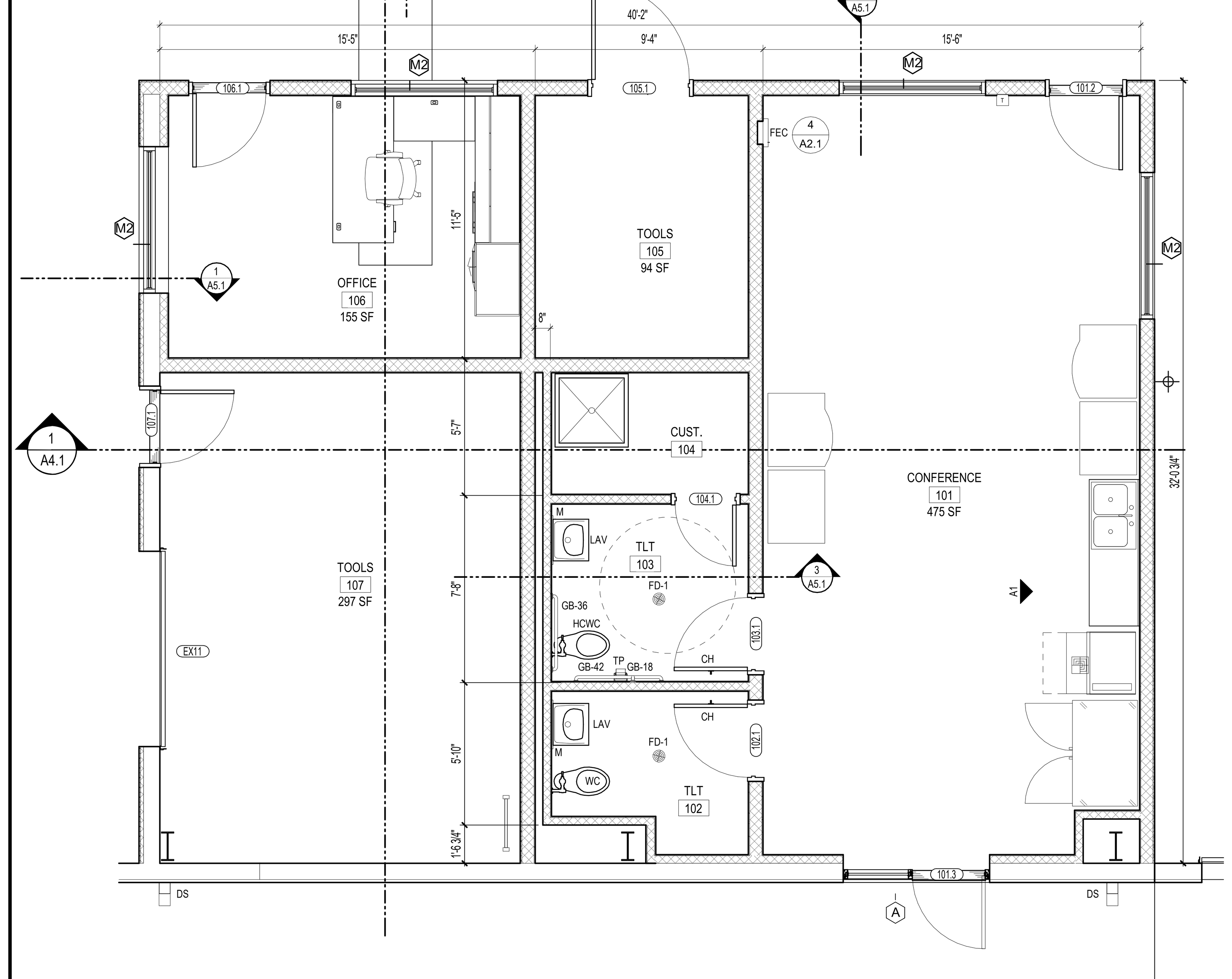
A2.0



3 A2.1 GRAB BAR BLOCKING ELEVATIONS
3/4" = 1'-0"



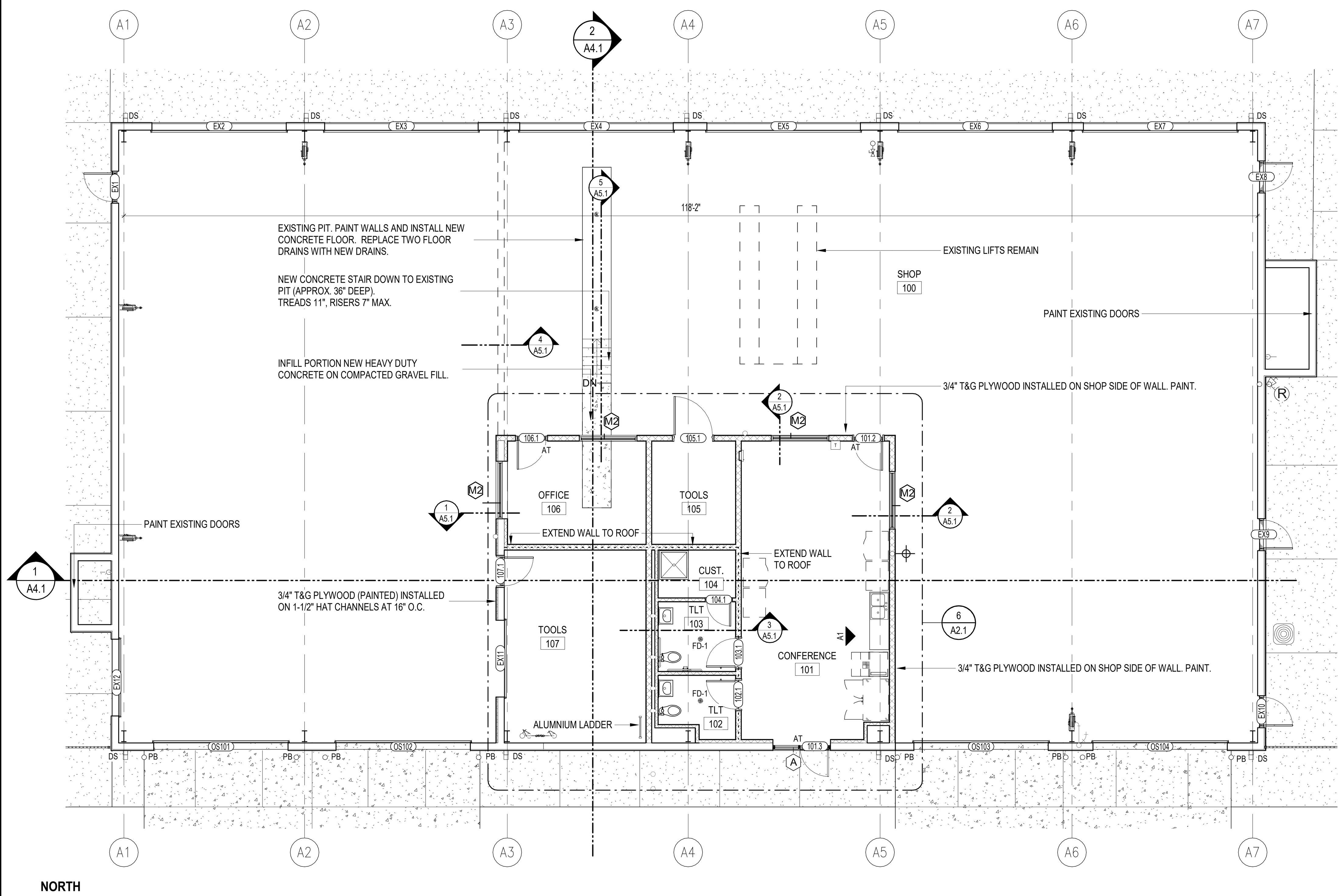
4 A2.1 FIRE EXTINGUISHER CABINET-STUD
1 1/2" = 1'-0"



6 A2.1 BUILDING A - ENLARGED PLAN
1/4" = 1'-0"

TOILET ACCESSORY SCHEDULE

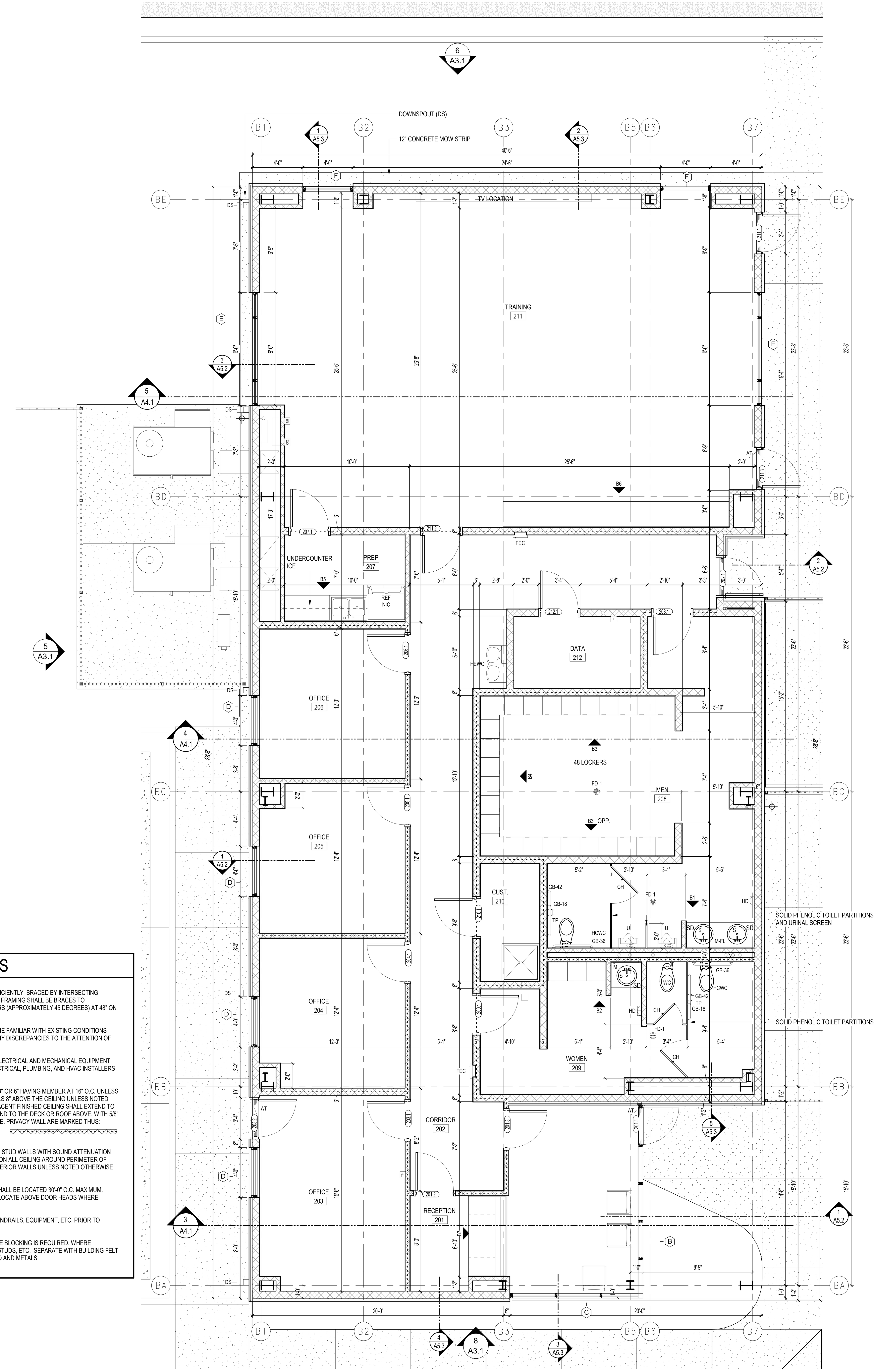
MARK	DESCRIPTION	MOUNTING HEIGHT
GB-36	GRAB BAR - 36"	34" A.F.F. to CENTERLINE
GB-42	GRAB BAR - 42"	34" A.F.F. to CENTERLINE
GB-18	VERTICAL GRAB BAR - 18"	40" A.F.F. to BASE
LAV	LAVATORY - WALL MOUNTED	34" A.F.F. to RIM
S	SINK - COUNTER MOUNTED	
CH	COAT HOOK	54" A.F.F.
M	MIRROR	24"X36" ; 40" A.F.F. to BOTTOM OF REFLECTIVE SURFACE
M - FL	MIRROR - FULL LENGTH	48" T X WIDTH OF COUNTER
HD	HAND DRYER	44" A.F.F. to BOTTOM
HCWC	H.C. WATER CLOSET	17" A.F.F. to SEAT
WC	WATER CLOSET	15" A.F.F. to SEAT
U	URINAL	24" A.F.F. to RIM
HEWC	HANDICAP WATER COOLER	36" to SPOUT
SD	SOAP DISPENSER	COORD. W/ ARCH
TP	TOILET PAPER HOLDER	
EWC	ELECT. WATER COOLER w/ BOTTLE FILLER	42" to SPOUT / 36" to SPOUT @ ADA



2 A2.1 BUILDING A
1/8" = 1'-0"

GENERAL NOTES

1. ALL LIGHT GAUGE FRAMING NOT SUFFICIENTLY BRACED BY INTERSECTING FRAMING OR REQUIRED BY HEIGHT OF FRAMING SHALL BE BRACES TO STRUCTURE WITH METAL STUD KICKERS (APPROXIMATELY 45 DEGREES) AT 48" ON CENTER MAXIMUM.
2. CONTRACTOR TO VISIT SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING PROJECT. BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BID.
3. PROVIDE HOUSEKEEPING PADS FOR ELECTRICAL AND MECHANICAL EQUIPMENT. VERIFY SIZE AND LOCATION WITH ELECTRICAL, PLUMBING, AND HVAC INSTALLERS AND MANUFACTURERS.
4. INTERIOR METAL STUDS SHALL BE 3 5/8" OR 6" HAVING MEMBER AT 16" O.C. UNLESS NOTED OTHERWISE. EXTEND ALL WALLS 8" ABOVE THE CEILING UNLESS NOTED OTHERWISE. WALLS WITHOUT AN ADJACENT FINISHED CEILING SHALL EXTEND TO THE DECK. PRIVACY WALL SHALL EXTEND TO THE DECK OR ROOF ABOVE, WITH 5/8" GYPSUM BOARD ON AT LEAST ONE SIDE. PRIVACY WALL ARE MARKED THUS:
5. FOR SOUND TRANSFER CONTROL, FILL STUD WALLS WITH SOUND ATTENUATION BLANKETS. INSTALL BATT INSULATION ON ALL CEILING AROUND PERIMETER OF ROOMS EXTENDING 2'-0" FROM ALL INTERIOR WALLS UNLESS NOTED OTHERWISE IN REFLECTED CEILING PLAN NOTES.
6. GYPSUM BOARD EXPANSION JOINTS SHALL BE LOCATED 30'-0" O.C. MAXIMUM. VERIFY LOCATIONS WITH ARCHITECT. LOCATE ABOVE DOOR HEADS WHERE POSSIBLE.
7. FIELD VERIFY ALL DIMENSIONS FOR HANDRAILS, EQUIPMENT, ETC. PRIOR TO FABRICATION AND INSTALLATION.
8. PROVIDE WOOD FOR BLOCKING WHERE BLOCKING IS REQUIRED. WHERE BLOCKING CONTACTS METAL FRAME, STUDS, ETC. SEPARATE WITH BUILDING FELT TO AVOID REACTIONS BETWEEN WOOD AND METALS



1 A2.1 BUILDING B - FLOOR PLAN
1/4" = 1'-0"

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FLOOR PLANS - A & B

PUBLIC WORKS ADDITIONS
CITY OF PARAGOULD
PARAGOULD, AR

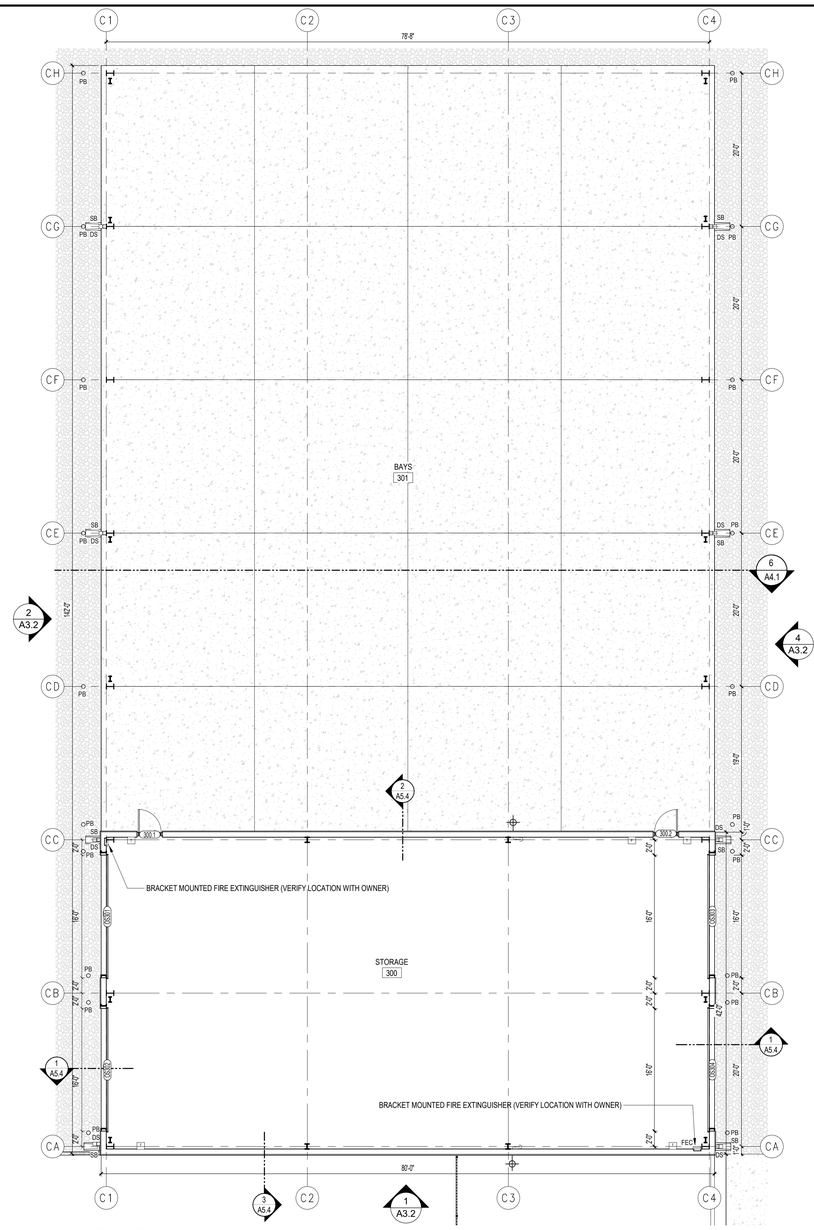
REGISTERED ARCHITECTS
LEWIS, ELLIOTT, McMORRAN, VADEN, RAGSDALE & WOODWARD, INC.
NO. C-82
ARKANSAS
8/16/24

DATE:	2024 08-16
PROJECT NO:	23044
DRAWN BY:	
REV:	

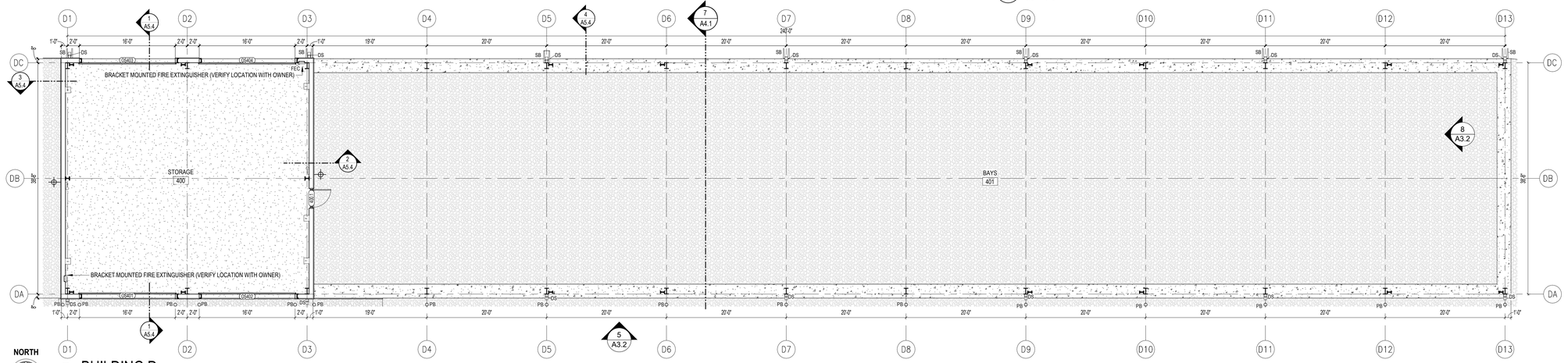
A2.1

GENERAL NOTES

1. ALL LIGHT GAUGE FRAMING NOT SUFFICIENTLY BRACED BY INTERSECTING FRAMING OR REQUIRED BY HEIGHT OF FRAMING SHALL BE BRACES TO STRUCTURE WITH METAL STUD KICKERS (APPROXIMATELY 45 DEGREES) AT 48" ON CENTER MAXIMUM.
2. CONTRACTOR TO VISIT SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING PROJECT. BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BID.
3. PROVIDE HOUSEKEEPING PADS FOR ELECTRICAL AND MECHANICAL EQUIPMENT. VERIFY SIZE AND LOCATION WITH ELECTRICAL, PLUMBING, AND HVAC INSTALLERS AND MANUFACTURERS.
4. INTERIOR METAL STUDS SHALL BE 3 5/8" OR 6" HAVING MEMBER AT 16" O.C. UNLESS NOTED OTHERWISE. EXTEND ALL WALLS 8" ABOVE THE CEILING UNLESS NOTED OTHERWISE. WALLS WITHOUT AN ADJACENT FINISHED CEILING SHALL EXTEND TO THE DECK. PRIVACY WALL SHALL EXTEND TO THE DECK OR ROOF ABOVE, WITH 5/8" GYPSUM BOARD ON AT LEAST ONE SIDE. PRIVACY WALL ARE MARKED THUS:
5. FOR SOUND TRANSFER CONTROL, FILL STUD WALLS WITH SOUND ATTENUATION BLANKETS. INSTALL BATT INSULATION ON ALL CEILING AROUND PERIMETER OF ROOMS EXTENDING 2'-0" FROM ALL INTERIOR WALLS UNLESS NOTED OTHERWISE IN REFLECTED CEILING PLAN NOTES
6. GYPSUM BOARD EXPANSION JOINTS SHALL BE LOCATED 30'-0" O.C. MAXIMUM. VERIFY LOCATIONS WITH ARCHITECT. LOCATE ABOVE DOOR HEADS WHERE POSSIBLE.
7. FIELD VERIFY ALL DIMENSIONS FOR HANDRAILS, EQUIPMENT, ETC. PRIOR TO FABRICATION AND INSTALLATION.
8. PROVIDE WOOD FOR BLOCKING WHERE BLOCKING IS REQUIRED. WHERE BLOCKING CONTACTS METAL FRAME, STUDS, ETC. SEPARATE WITH BUILDING FELT TO AVOID REACTIONS BETWEEN WOOD AND METALS



1 A2.2 BUILDING C
1/8" = 1'-0"



2 A2.2 BUILDING D
1/8" = 1'-0"

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FLOOR PLANS - C & D

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LEWIS, ELLIOTT MCMORRAN, VADEN, RAGSDALE & WOODWARD INC.
NO. C-82
ARKANSAS
8/16/24

DATE: 2024 08-16
PROJECT NO: 23044
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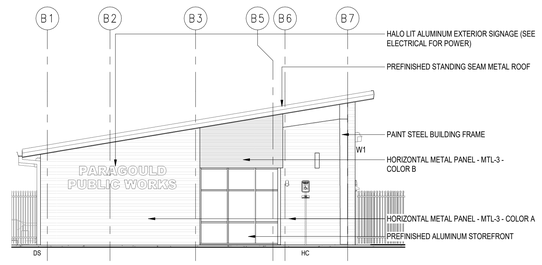
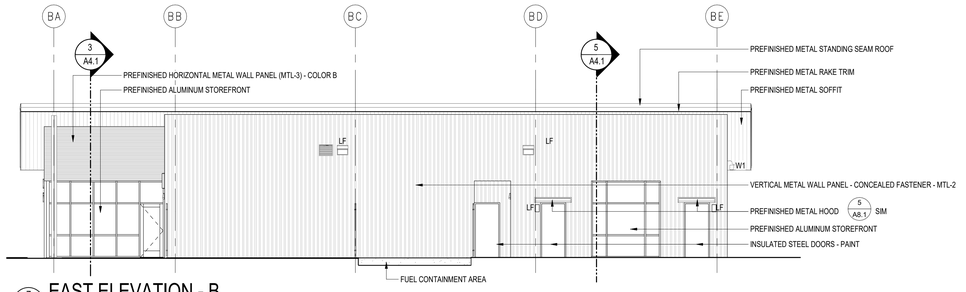
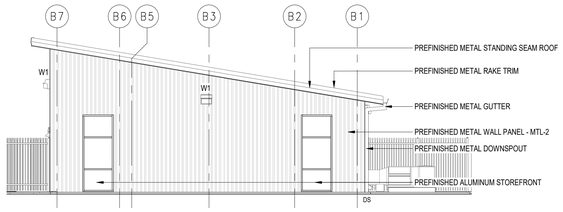
A2.2



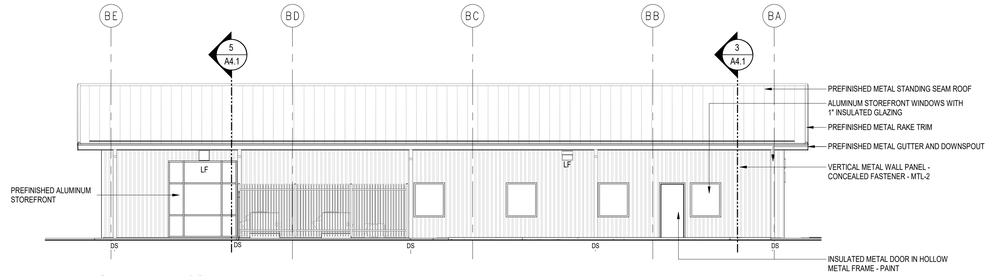
8 A3.1 SOUTH ELEVATION - B
1/8" = 1'-0"



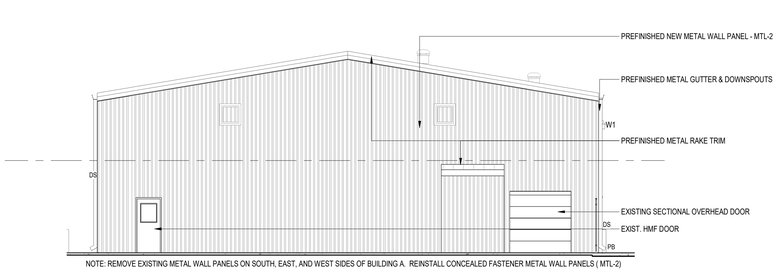
7 A3.1 EAST ELEVATION - B
1/8" = 1'-0"



6 A3.1 NORTH ELEVATION - B
1/8" = 1'-0"

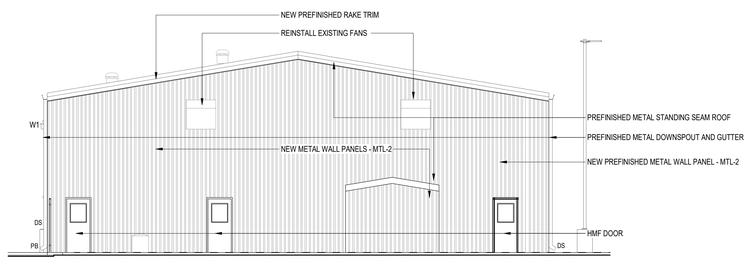


5 A3.1 WEST ELEVATION - B
1/8" = 1'-0"



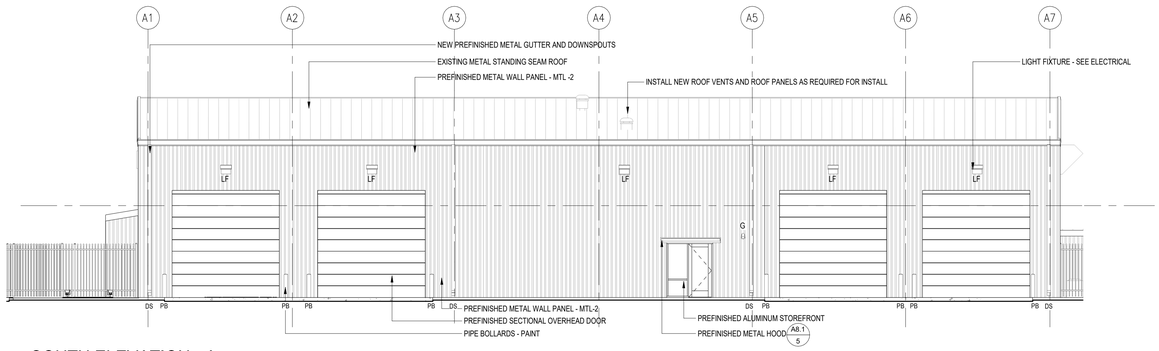
NOTE: REMOVE EXISTING METAL WALL PANELS ON SOUTH, EAST, AND WEST SIDES OF BUILDING A. REINSTALL CONCEALED FASTENER METAL WALL PANELS (MTL-2)

4 A3.1 WEST ELEVATION - A
1/8" = 1'-0"



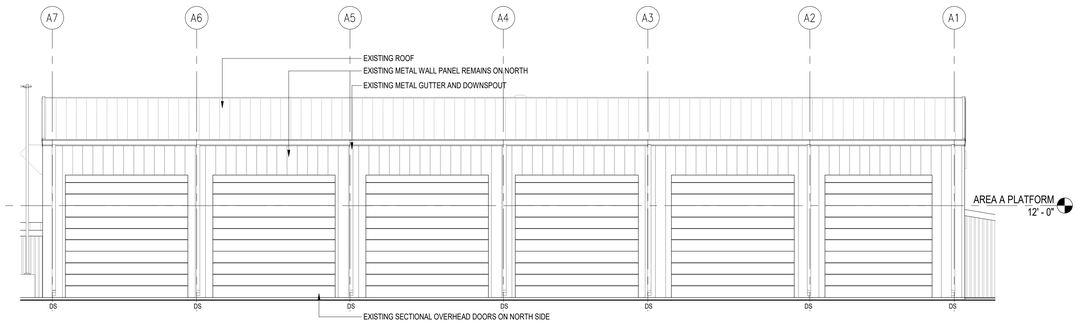
NOTE: REMOVE EXISTING METAL WALL PANELS ON SOUTH, EAST, AND WEST SIDES OF BUILDING A. REINSTALL CONCEALED FASTENER METAL WALL PANELS (MTL-2)

3 A3.1 EAST ELEVATION - A
1/8" = 1'-0"



2 A3.1 SOUTH ELEVATION - A
1/8" = 1'-0"

NOTE: REMOVE EXISTING METAL WALL PANEL ON SOUTH, EAST, AND WEST SIDES OF BUILDING A. REINSTALL CONCEALED FASTENER METAL WALL PANELS (MTL-2)



1 A3.1 NORTH ELEVATION - A
1/8" = 1'-0"

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ELEVATIONS - A & B

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CITY OF PARAGOULD
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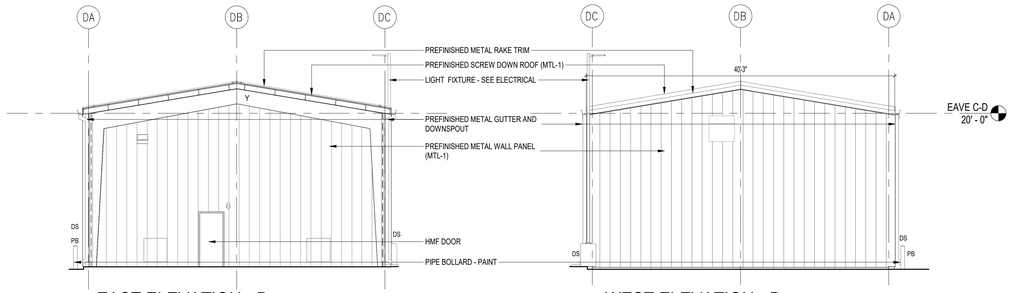
LEWIS, ELLIOTT, MCMORRAN, VADEN, RAGSDALE, WOODWARD, INC.
ARKANSAS
NO. C-82
8/16/24

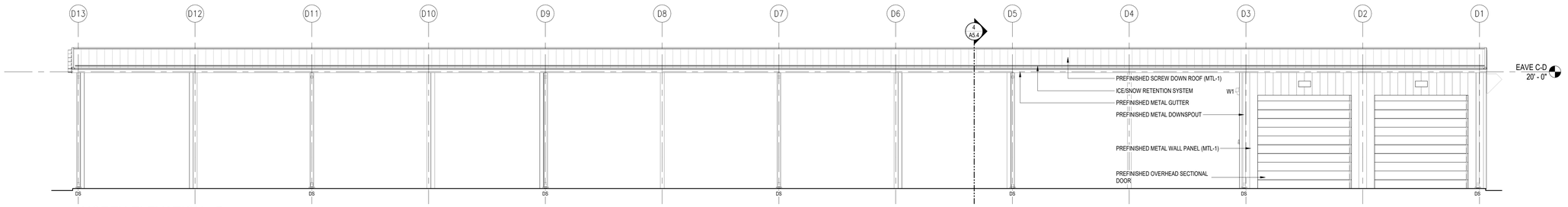
DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY:
REV:

A3.1

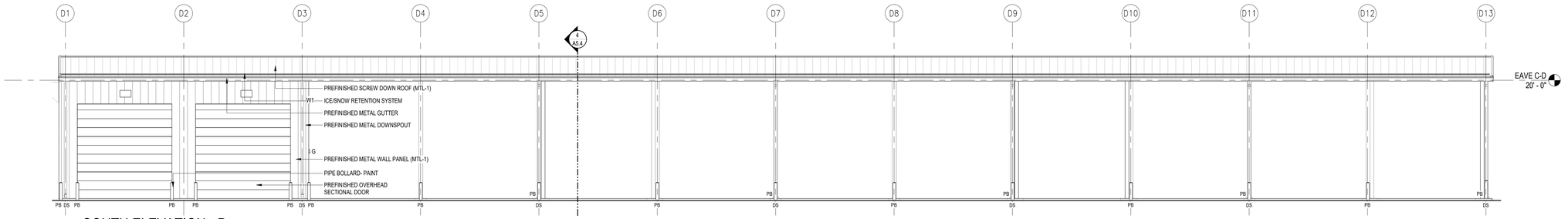


8 A3.2 EAST ELEVATION - D
1/8" = 1'-0"

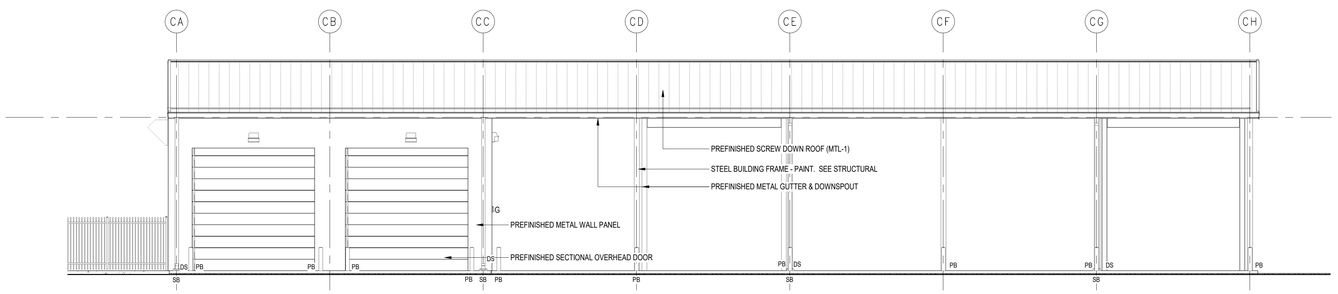
7 A3.2 WEST ELEVATION - D
1/8" = 1'-0"



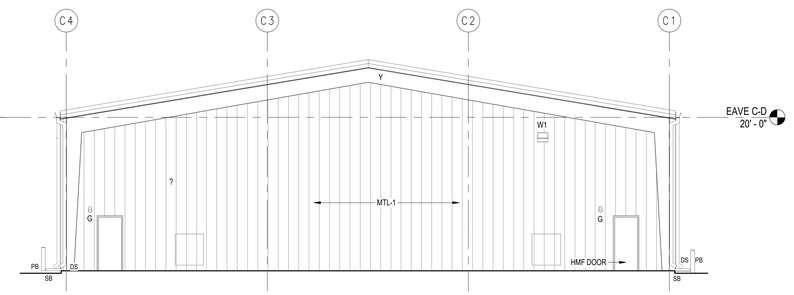
6 A3.2 NORTH ELEVATION - D
1/8" = 1'-0"



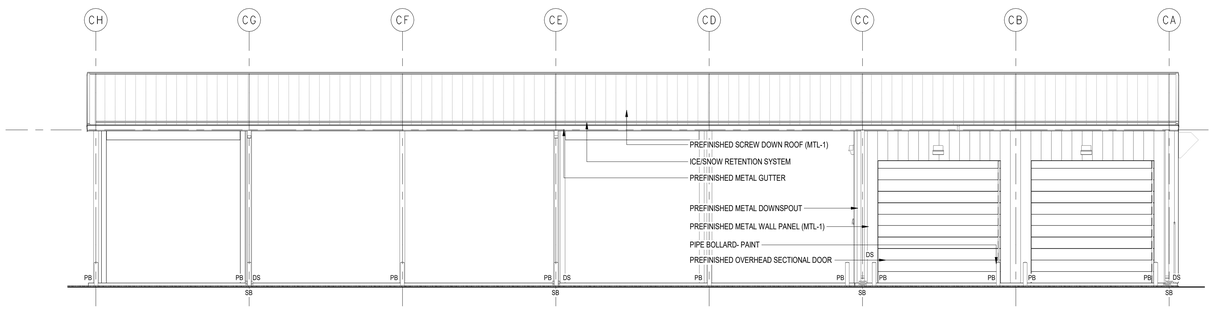
5 A3.2 SOUTH ELEVATION - D
1/8" = 1'-0"



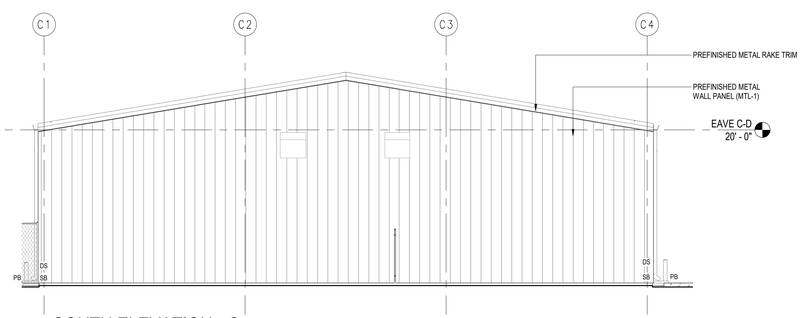
4 A3.2 EAST ELEVATION - C
1/8" = 1'-0"



3 A3.2 NORTH ELEVATION - C
1/8" = 1'-0"



2 A3.2 WEST ELEVATION - C
1/8" = 1'-0"



1 A3.2 SOUTH ELEVATION - C
1/8" = 1'-0"

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ELEVATIONS - C & D

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LEWIS, ELLIOTT, MCMORRAN, VADEN, RAGSDALE, WOODWARD, INC.
NO. C-92
ARKANSAS
8/16/24

DATE: 2024 08-16
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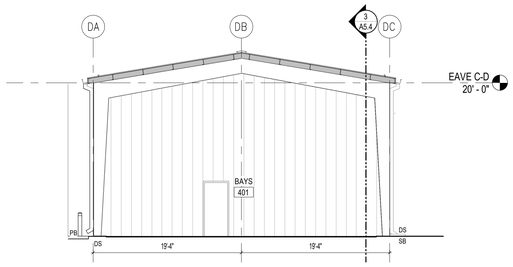
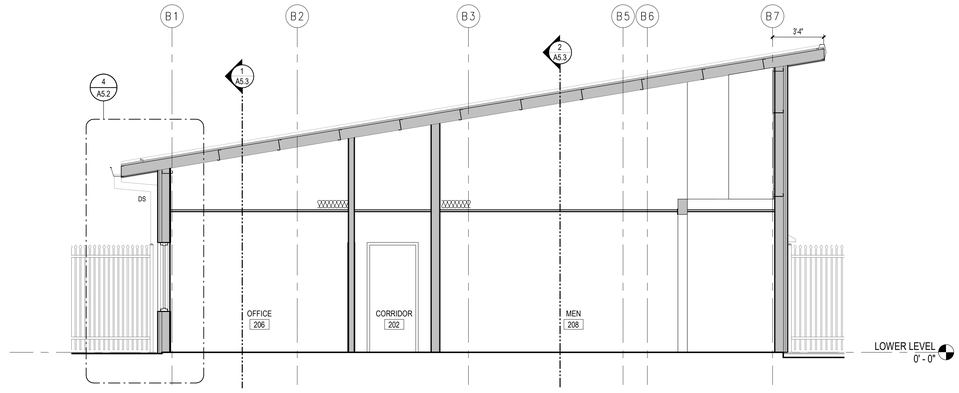
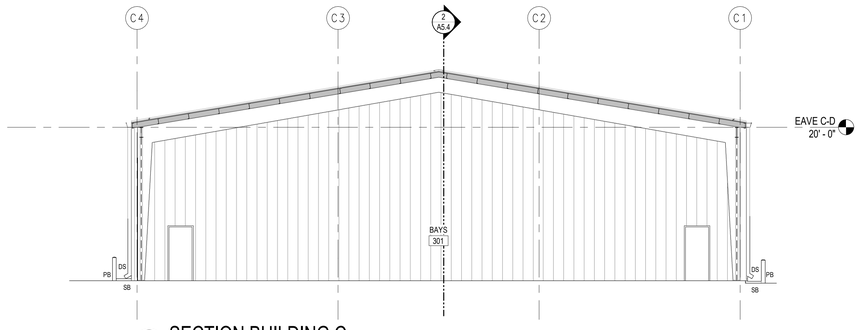
A3.2



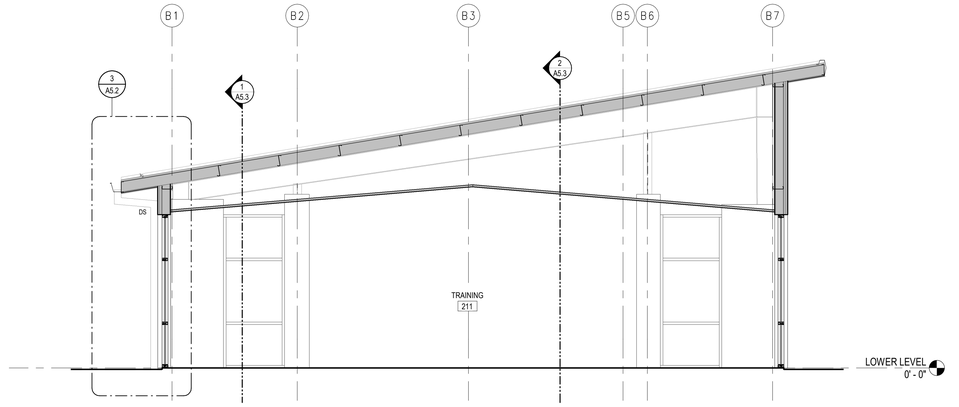
7 A4.1 SECTION BUILDING D
1/8" = 1'-0"



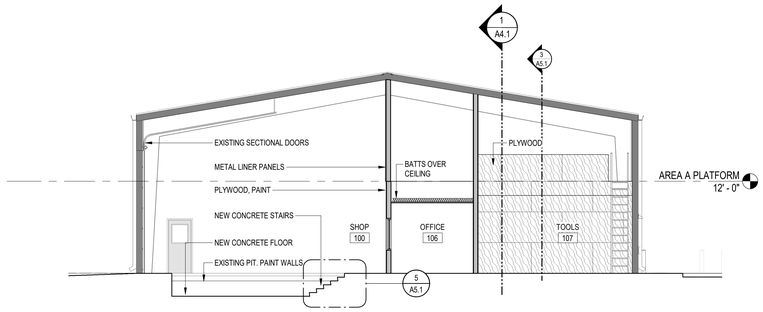
4 A4.1 SECTION BUILDING B
1/4" = 1'-0"



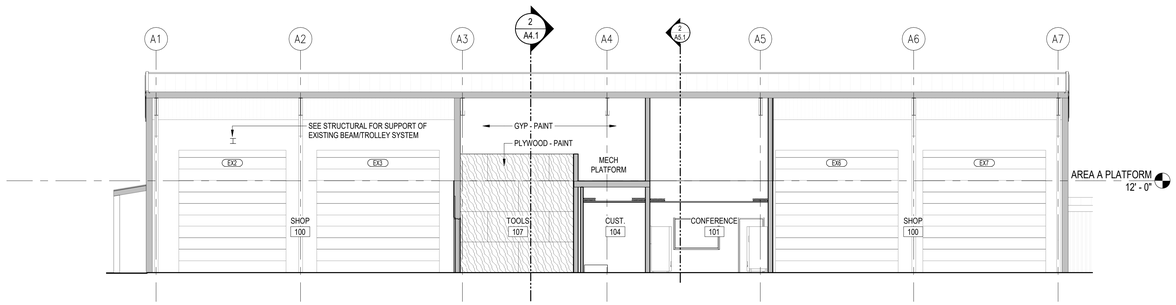
6 A4.1 SECTION BUILDING C
1/8" = 1'-0"



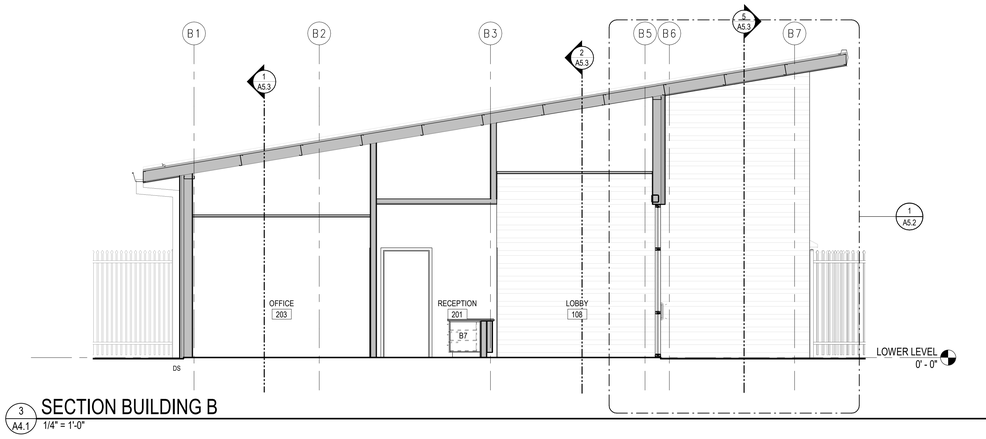
5 A4.1 SECTION BUILDING B
1/4" = 1'-0"



2 A4.1 SECTION BUILDING A
1/8" = 1'-0"



1 A4.1 SECTION BUILDING A
1/8" = 1'-0"



3 A4.1 SECTION BUILDING B
1/4" = 1'-0"

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BUILDING SECTIONS

PUBLIC WORKS ADDITIONS
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LEWIS, ELLIOTT, MCMORRAN, VADEN, RAGSDALE, WOODWARD, INC.
NO. C-82
ARKANSAS
8/16/24

DATE: 2024 08-16
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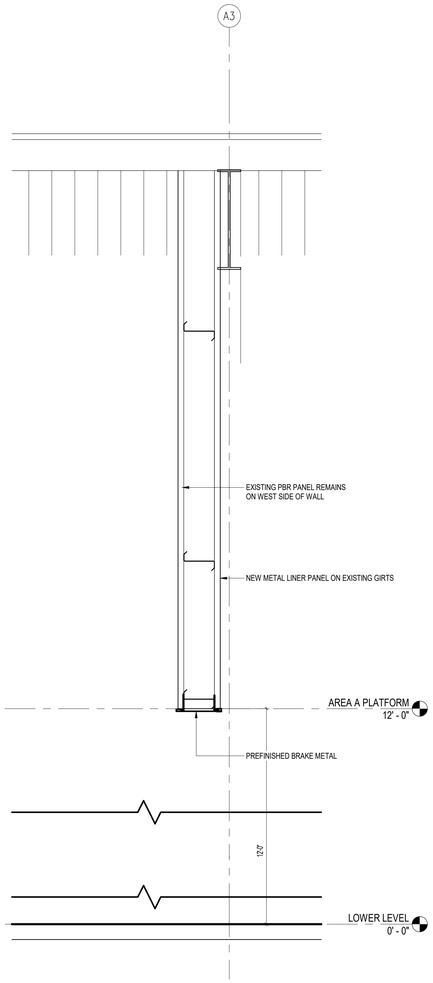
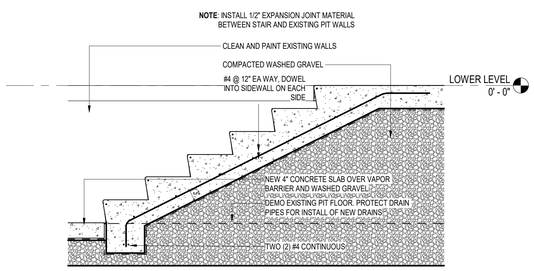
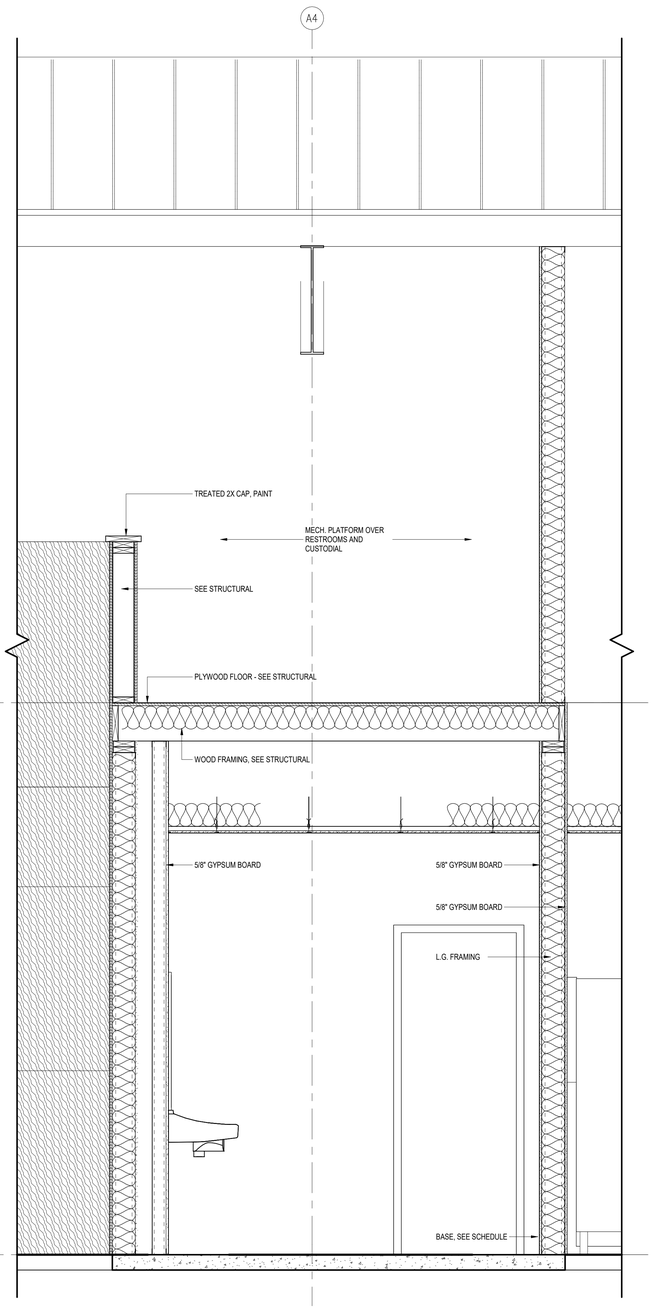


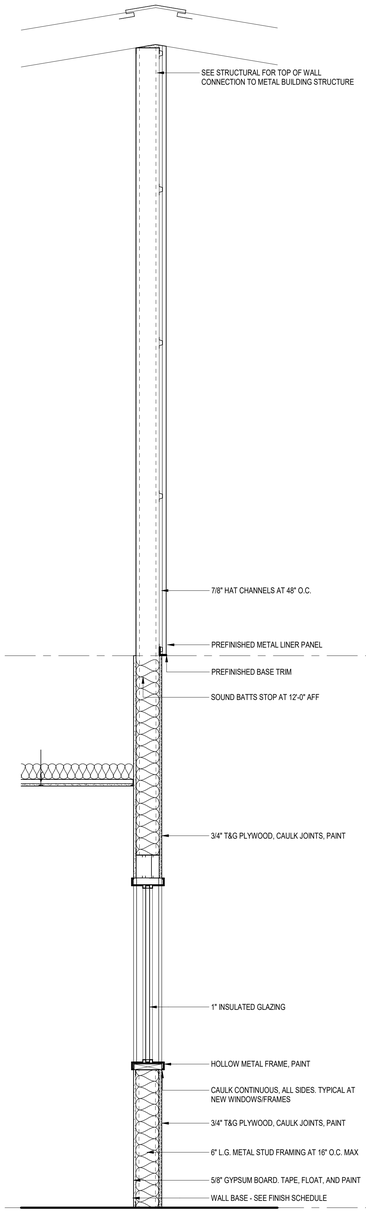
4 A5.1 INTERIOR WALL SECTION - HIGH WALL
3/4" = 1'-0"



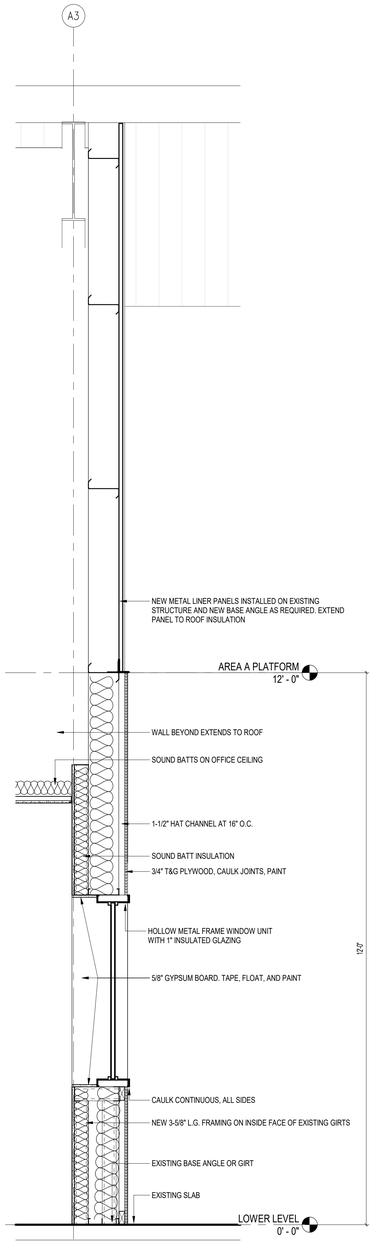
5 A5.1 EXISTING PIT SECTION - REMODEL
3/4" = 1'-0"



3 A5.1 INTERIOR WALL SECTION - BUILDING A
3/4" = 1'-0"



2 A5.1 INTERIOR WALL SECTION - BUILDING A
3/4" = 1'-0"



1 A5.1 INTERIOR WALL SECTION - BUILDING A
3/4" = 1'-0"

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INTERIOR WALL SECTIONS - BUILDING A

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ARKANSAS
8/16/24

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PROJECT NO: 23044
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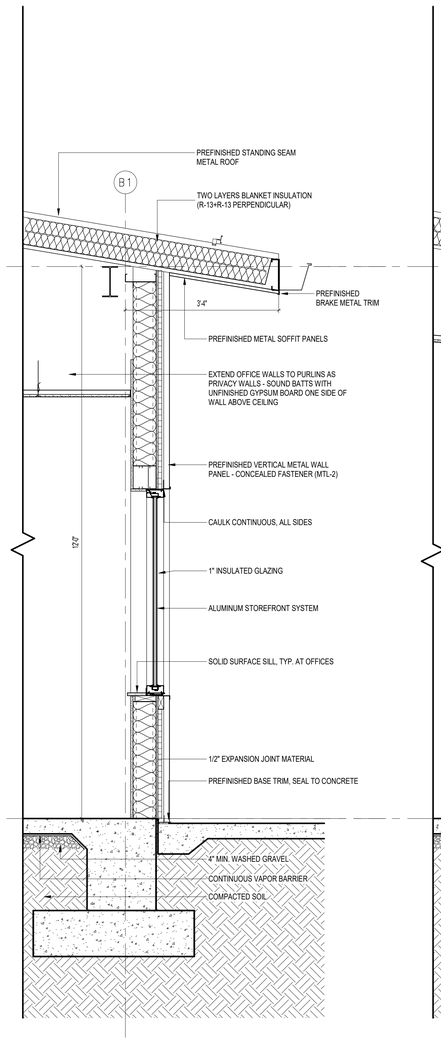
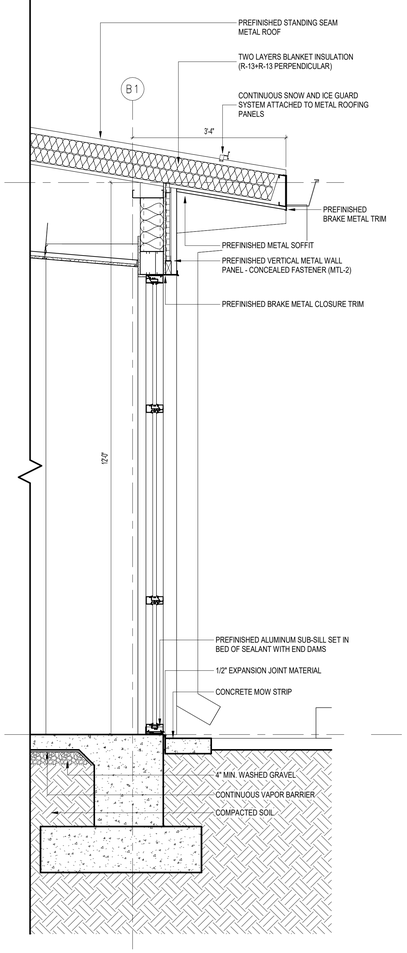
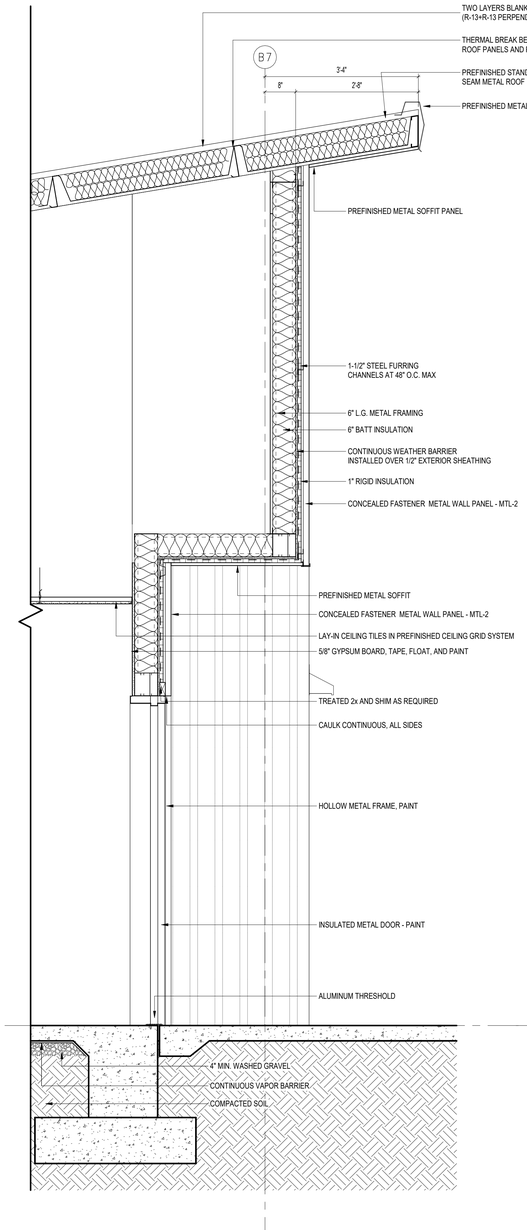


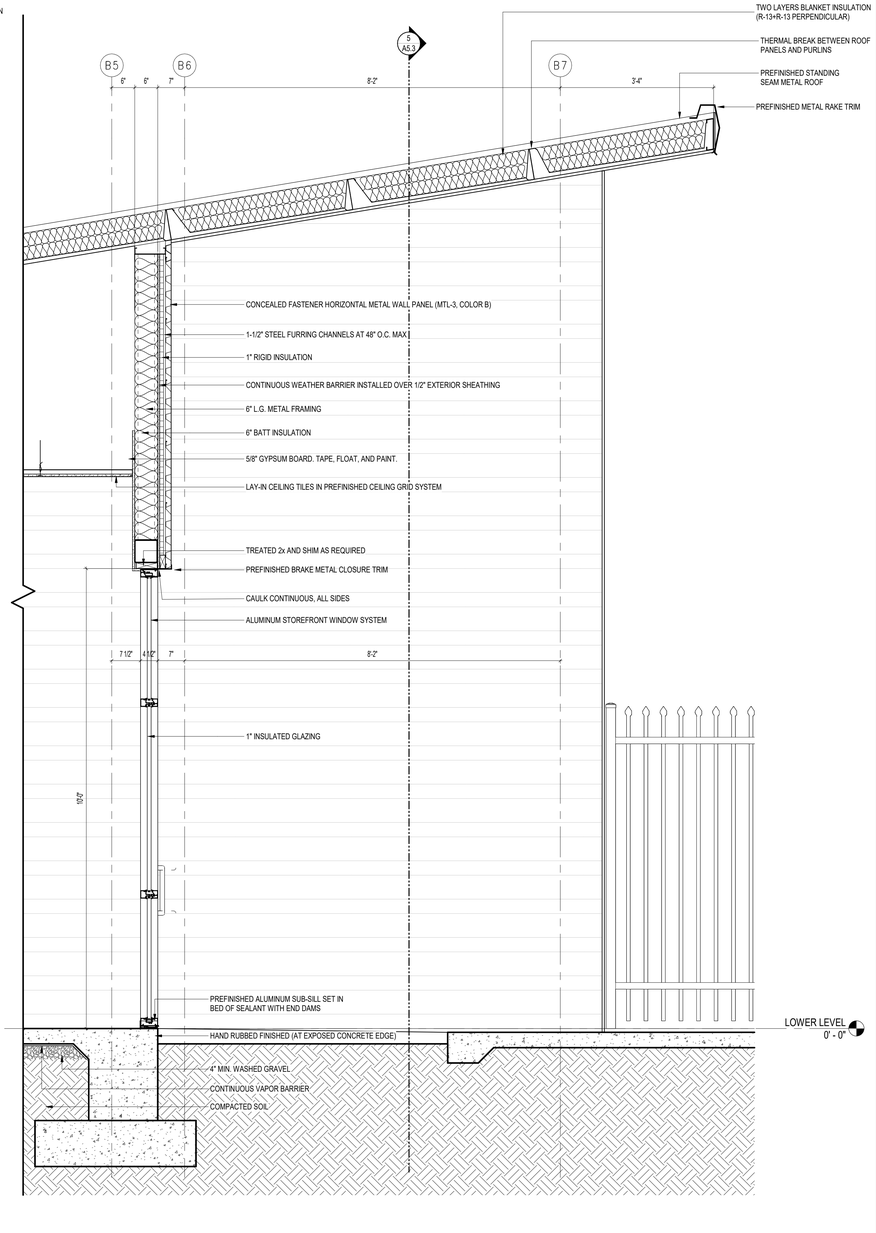
4 A5.2 WALL SECTION - BUILDING B
3/4" = 1'-0"



3 A5.2 WALL SECTION - BUILDING B
3/4" = 1'-0"



2 A5.2 WALL SECTION - BUILDING B
3/4" = 1'-0"



1 A5.2 WALL SECTION - BUILDING B
3/4" = 1'-0"

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WALL SECTIONS - BUILDING B

PUBLIC WORKS ADDITIONS
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NO. C-82
ARKANSAS
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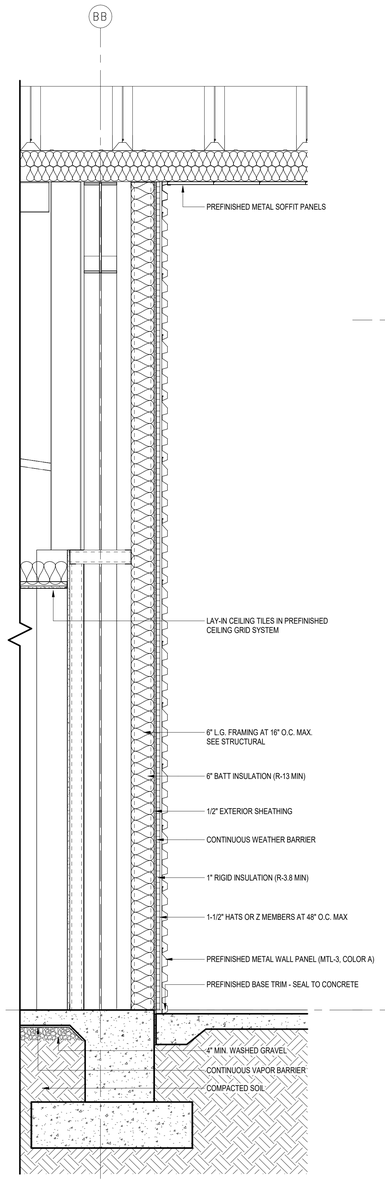
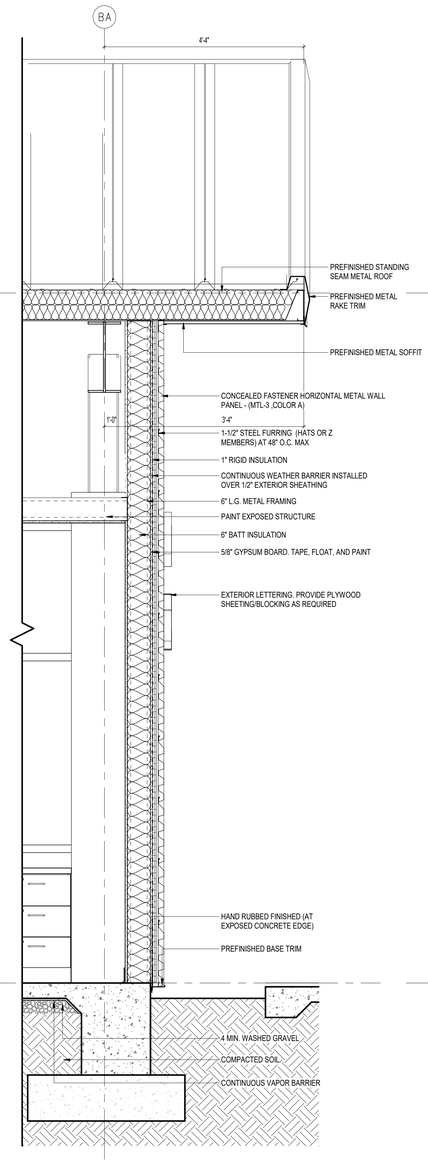
DRAWN BY: R.P
REV:

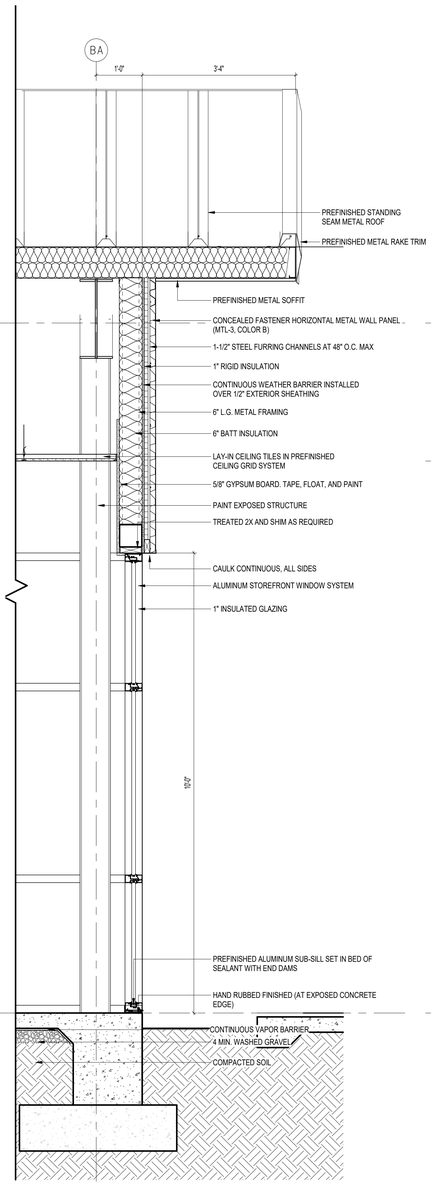
A5.2



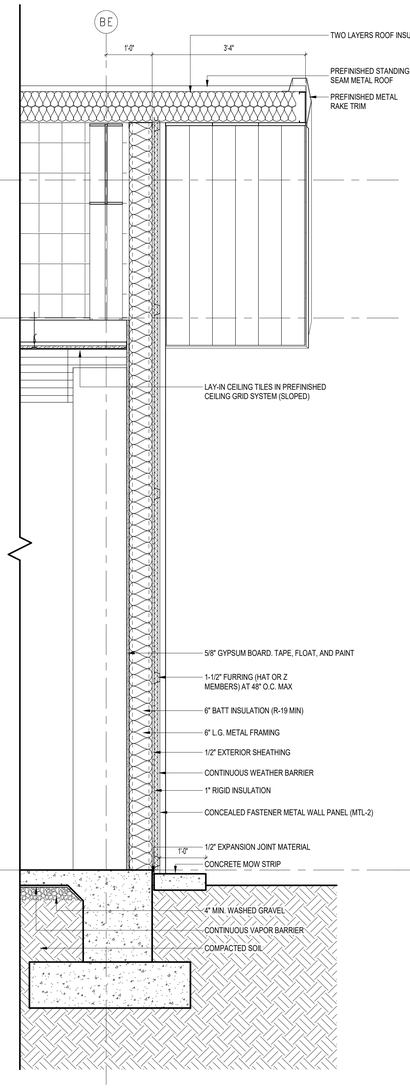
5 A5.3 WALL SECTION - BUILDING B
3/4" = 1'-0"



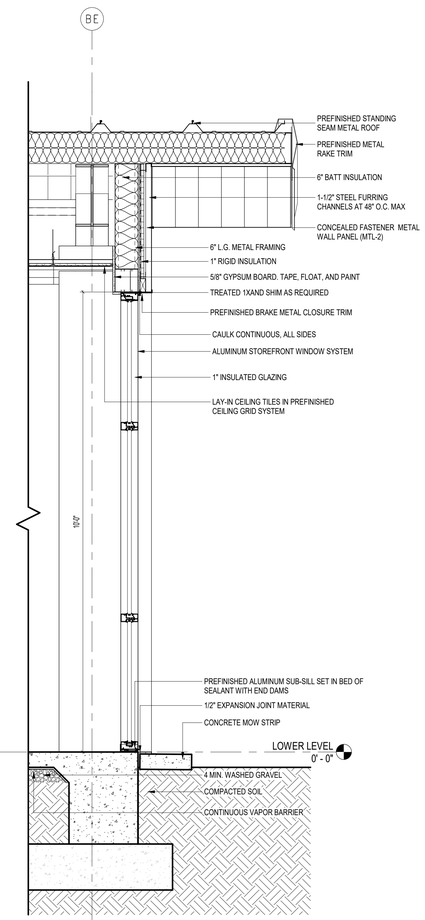
4 A5.3 WALL SECTION - BUILDING B
3/4" = 1'-0"



3 A5.3 WALL SECTION - BUILDING B
3/4" = 1'-0"



2 A5.3 WALL SECTION - BUILDING B
3/4" = 1'-0"



1 A5.3 WALL SECTION - BUILDING B
3/4" = 1'-0"

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WALL SECTIONS - BUILDING B

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NO. C-82
ARKANSAS
8/16/24

DATE: 2024 08-16
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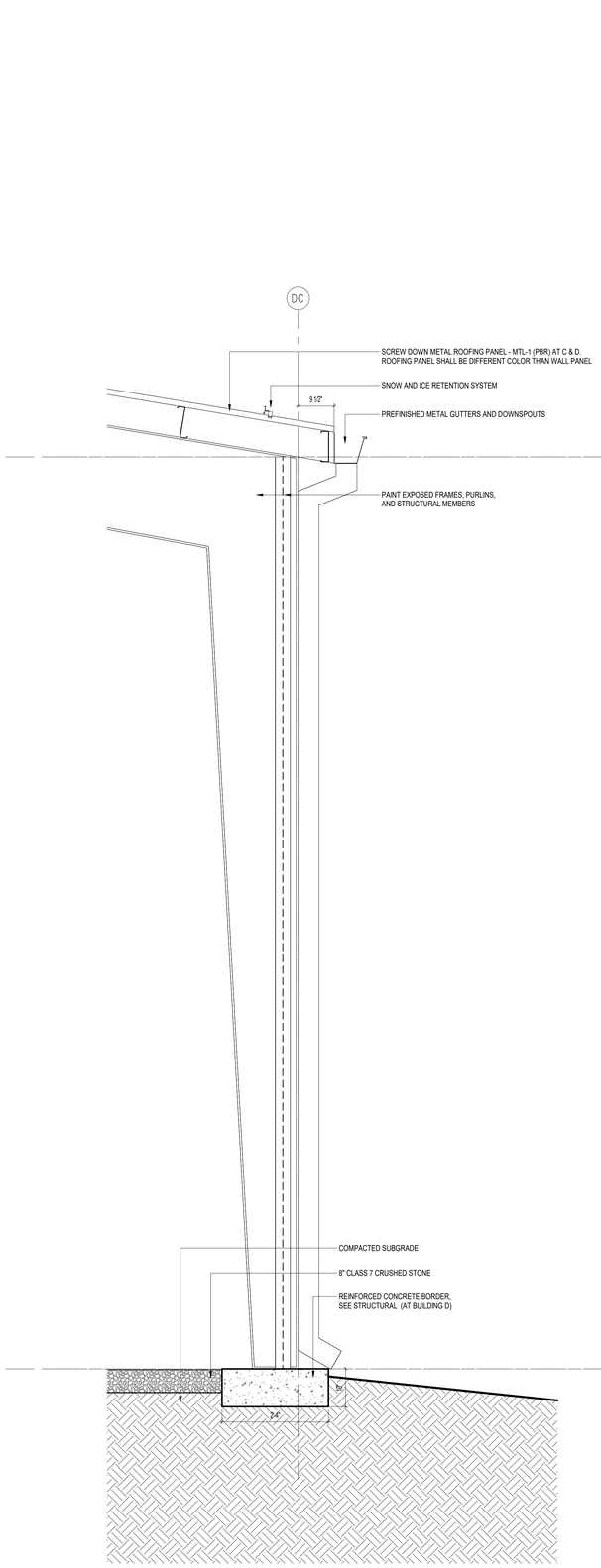
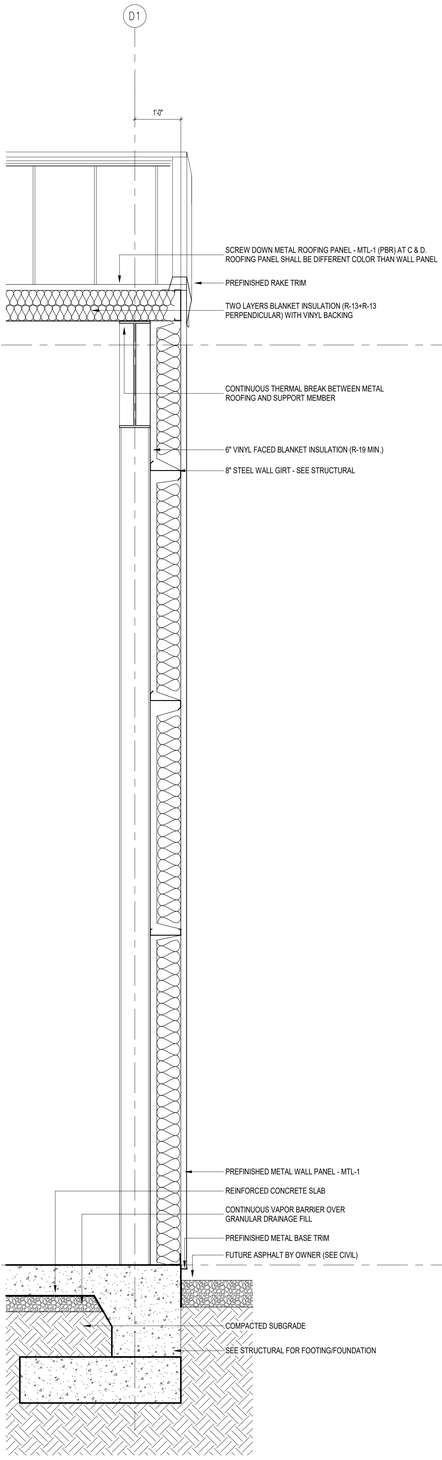
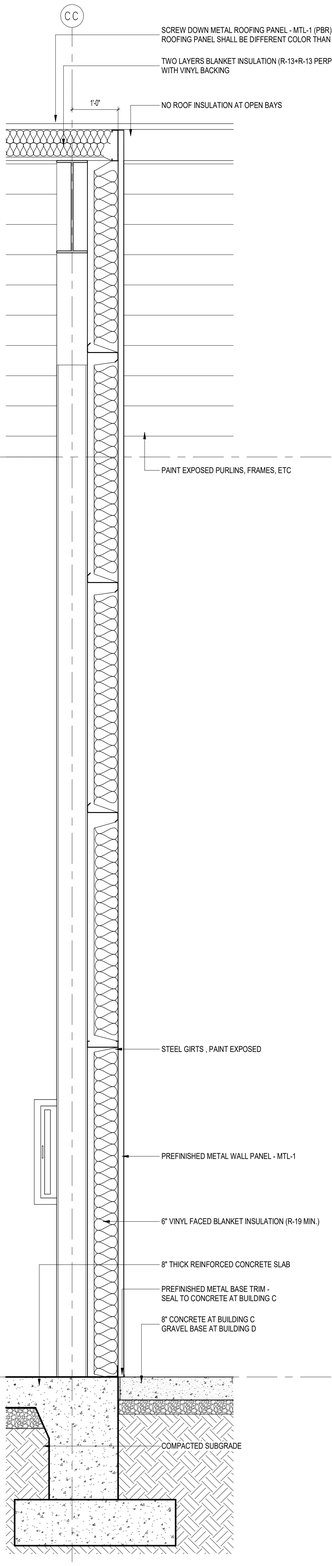
A5.3



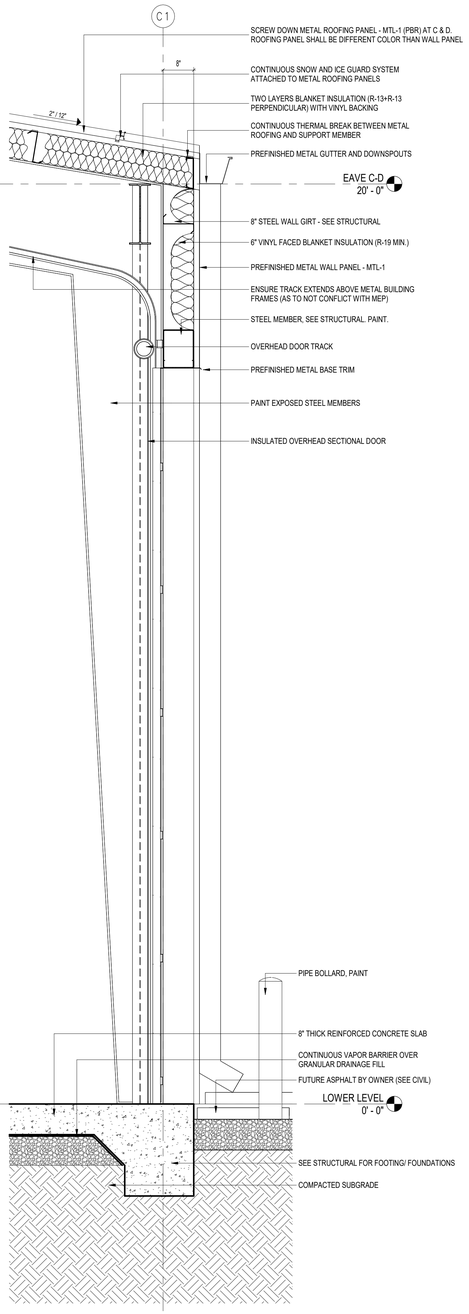
4 A5.4 WALL SECTION
3/4" = 1'-0"



3 A5.4 WALL SECTION
3/4" = 1'-0"



2 A5.4 WALL SECTION
3/4" = 1'-0"



1 A5.4 WALL SECTION
3/4" = 1'-0"

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WALL SECTIONS - BUILDING C & D

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DRAWN BY: Author
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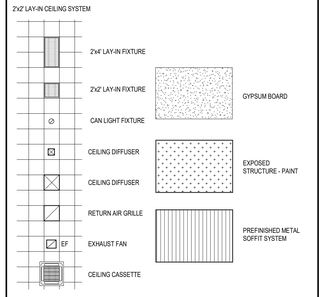
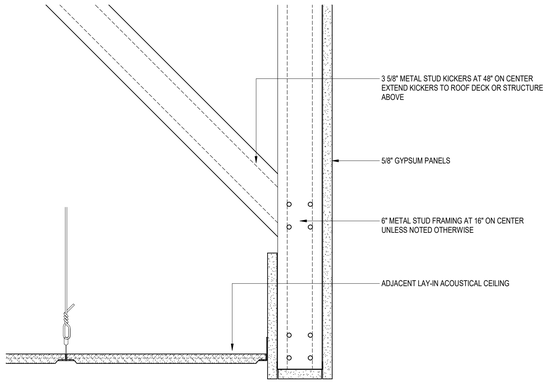
A5.4

REFLECTED CEILING LEGEND

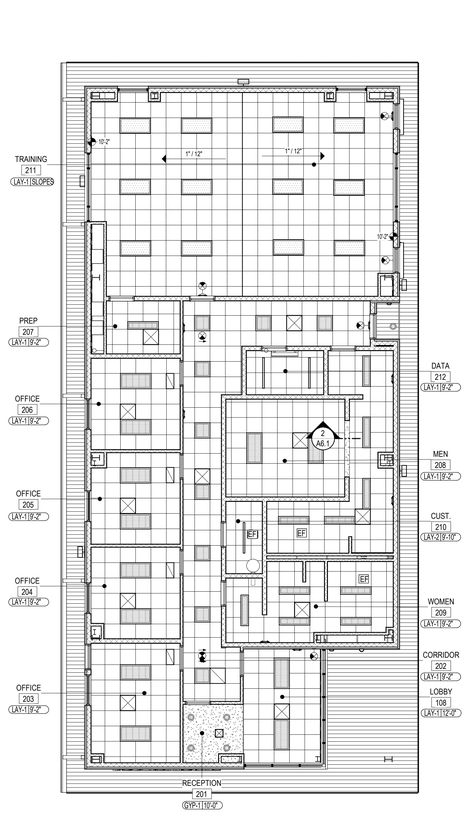


GENERAL CEILING NOTES

1. ALL PLUMBING PIPING, ELECTRICAL CONDUITS, MECHANICAL DUCTWORK, ETC. SHALL BE CONCEALED ABOVE CEILINGS, BELOW SLAB, OR WITHIN WALLS AND FURRING WHEREVER POSSIBLE (UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE). ALL PIPING, CONDUITS, DUCTWORK, ETC. EXPOSED SHALL BE INSTALLED IN A WORKMAN LIKE MANNER (LEVEL, PLUMB, SQUARE AND PROPERLY SUPPORTED). COORDINATE ALL TRADES TO AVOID CONFLICTS.
2. ALL EXPOSED STRUCTURE, PIPING, CONDUITS, DUCTWORK, ETC. THAT IS NOT PREFINISHED SHALL BE PAINTED (UNLESS NOTED OTHERWISE), COLORS TO BE SELECTED BY THE ARCHITECT.
3. ALL PIPING, CONDUIT, DUCTWORK, CEILING GRID, ETC. SHALL BE PROPERLY SUPPORTED AND BRACED TO MEET APPLICABLE SEISMIC ZONE REQUIREMENTS.
4. PROVIDE SOUND ATTENUATION BATTS 2'-0" ON BOTH SIDES OF ADJACENT WALLS BETWEEN ROOMS WHERE CEILINGS EXIST

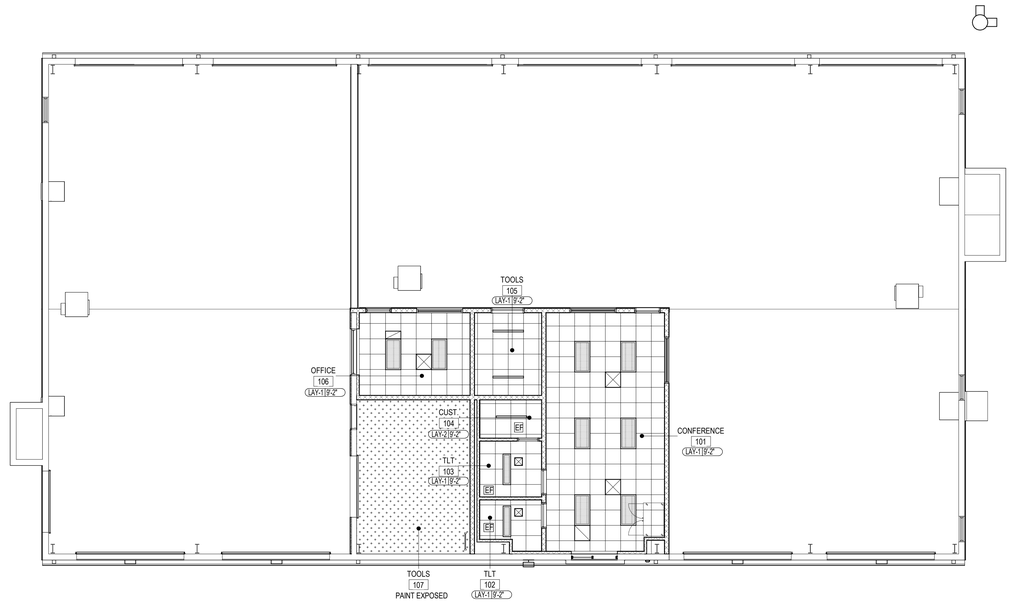


2 / A6.1 TYPCIAL FURR DOWN - LIGHT GAUGE FRAMING
3" = 1'-0"



NORTH

1 / A6.1 REFLECTED CEILING PLAN - BUILDING A & B
1/8" = 1'-0"



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REFLECTED CEILING PLAN - A & B

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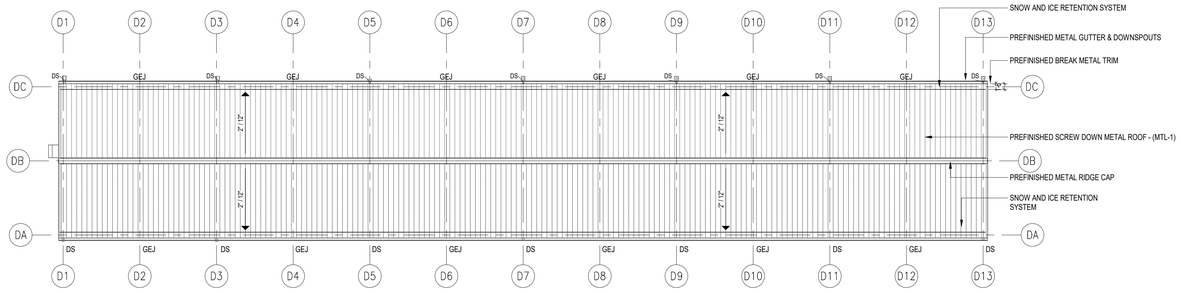
A6.1



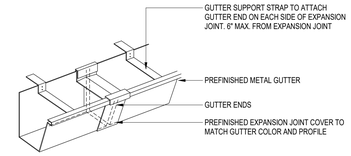
NORTH

4 A7.1 ROOF BUILDING D

1/16" = 1'-0"

GENERAL ROOF NOTES

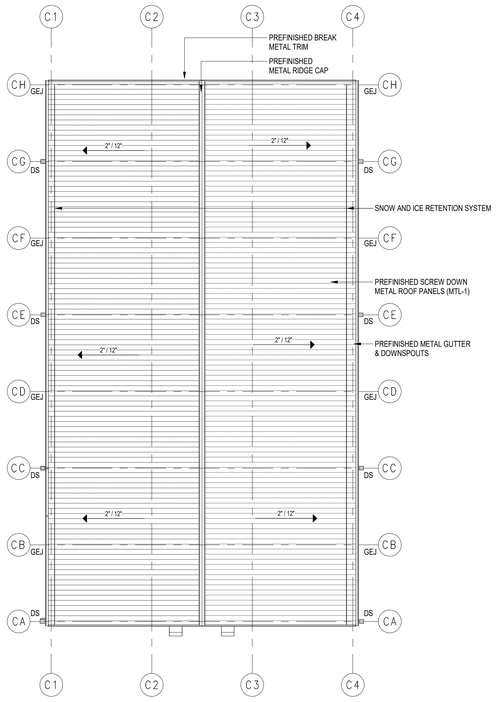
1. COORDINATE ALL ROOF PENETRATIONS FOR LOCATION, SIZE AND REQUIRED MATERIALS. ROOFING CONTRACTOR TO INSTALL OR VERIFY INSTALLATION OF ALL PENETRATIONS AND REQUIRED MATERIALS. ROOFING CONTRACTOR TO PROVIDE ALL FLASHING, PENETRATIONS, CURBS, CRICKETS, TERMINATIONS, ETC. NOT SPECIFICALLY PROVIDED BY OTHER TRADES AND AS REQUIRED FOR WARRANTED INSTALLATION.
2. ALL ROOFING DETAILS (FLASHING, EDGE METAL, PENETRATIONS, CURBS, ETC.) SHALL BE APPROVED BY THE MANUFACTURER AND INCLUDED IN SYSTEM WARRANTY. PROVIDE ALL MATERIAL AND WORK REQUIRED, SHOWN OR NOT, FOR WARRANTED INSTALLATION.
3. ALL METAL ROOFING (INCLUDING TRIM, GUTTERS, DOWNSPOUTS, ETC.) SHALL BE FROM SAME MANUFACTURER, AND SHALL BE INCLUDED UNDER A SINGLE WEATHER TIGHTNESS WARRANTY.
4. NOTE SCALE SHOWN ON ROOF PLANS



NOTE:
GUTTER EXPANSION JOINTS (GEJ) TO OCCUR AT 30'-0" O.C. MAXIMUM; SEE ROOF PLAN FOR LOCATIONS

7 A7.1 GUTTER EXPANSION JOINT

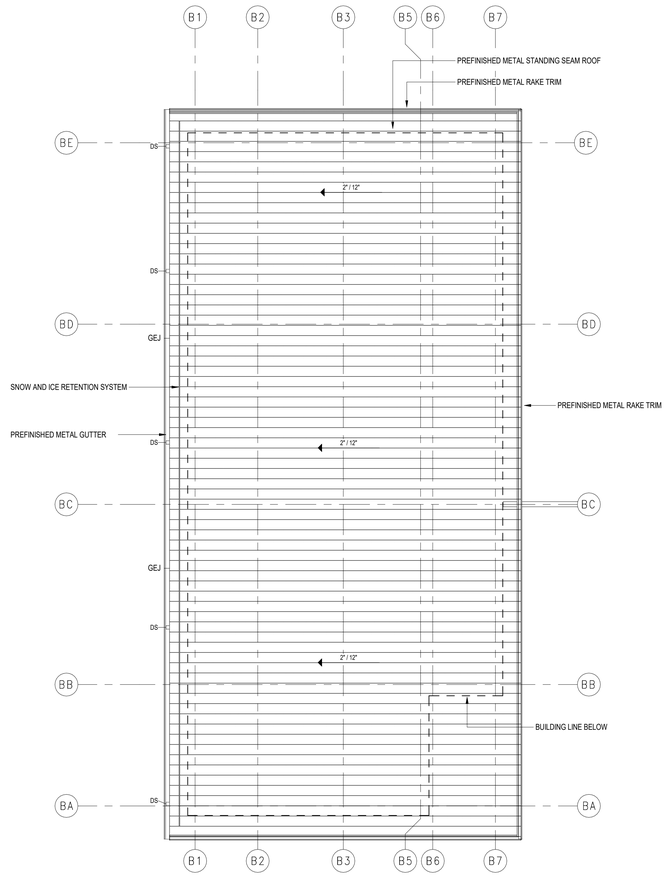
1 1/2" = 1'-0"



NORTH

3 A7.1 ROOF BUILDING C

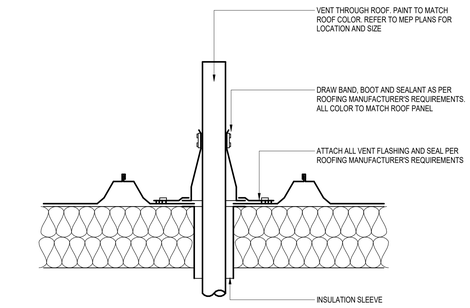
1/16" = 1'-0"



NORTH

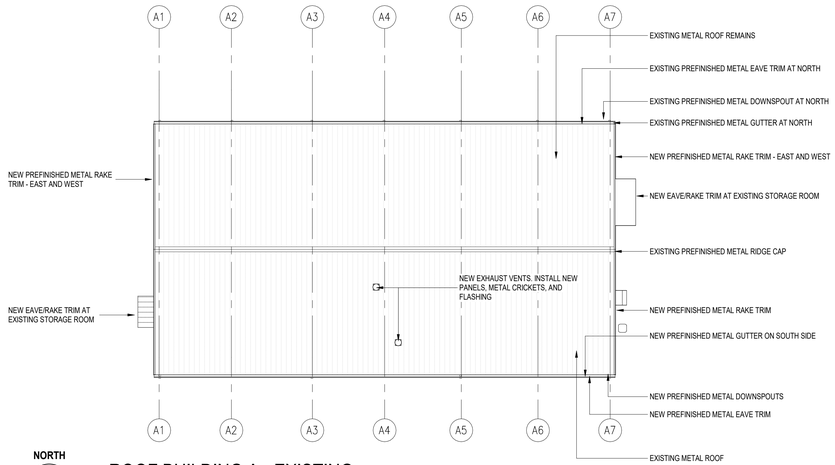
2 A7.1 ROOF BUILDING B

1/8" = 1'-0"



6 A7.1 VENT THROUGH ROOF DETAIL

1 1/2" = 1'-0"



NORTH

1 A7.1 ROOF BUILDING A - EXISTING

1/16" = 1'-0"

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ROOF PLANS

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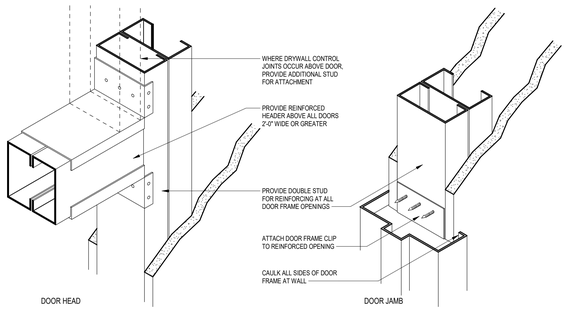
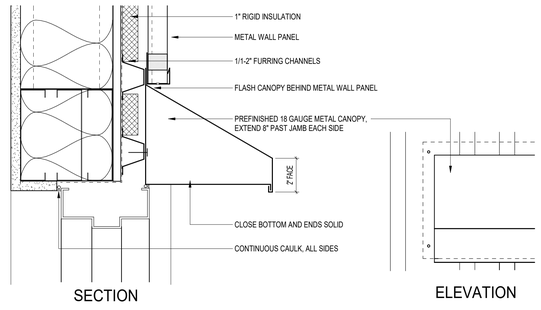
REV:

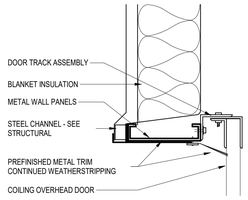
A7.1



12 A8.1 INTERIOR HOLLLOW METAL FRAME HEAD & JAMB
3" = 1'-0"



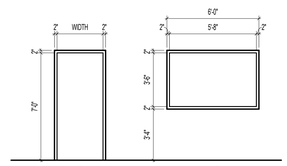
6 A8.1 HOLLOW METAL FRAME
3" = 1'-0"

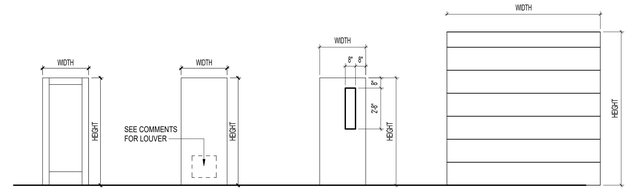


10 A8.1 OVERHEAD DOOR JAMB
3" = 1'-0"

DOOR SCHEDULE

MARK	HW SET	PANEL TYPE	PANEL WIDTH	PANEL HEIGHT	PANEL THICK.	PANEL MATERIAL	PANEL FINISH	FRAME ELEV.	FRAME MATERIAL	FRAME FINISH	FRAME DEPTH	FRAME HEAD	COMMENTS
101.2	HW-6	F	3'-0"	7'-0"	1 3/4"	INSUL. METAL	PAINT	M1	HMF	PAINT	8 3/8"	2"	
101.3	HW-1	AL1	3'-0"	7'-0"	1 3/4"	ALUM.	SEE SPEC.	A	ALUM.	SEE SPEC.	4 1/2"	2"	ACCESS CONTROL
102.1	HW-8	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	M1	HMF	PAINT	8 1/4"	2"	
103.1	HW-8	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	M1	HMF	PAINT	8 1/4"	2"	
104.1	HW-6	F	2'-6"	7'-0"	1 3/4"	WOOD	PRE-FINISH	M1	HMF	PAINT	5 3/4"	2"	
105.1	HW-6	F	4'-0"	7'-0"	1 3/4"	INSUL. METAL	PAINT	M1	HMF	PAINT	8 3/8"	2"	WITH LOUVER (SEE MECH)
106.1	HW-6	F	3'-0"	7'-0"	1 3/4"	INSUL. METAL	PAINT	M1	HMF	PAINT	5 3/4"	2"	
107.1	HW-6	F	3'-0"	7'-0"	1 3/4"	INSUL. METAL	PAINT	M1	HMF	PAINT	10 1/2"	2"	
201.1	HW-1	AL1	3'-0"	7'-0"	1 3/4"	ALUM.	SEE SPEC.	B	ALUM.	SEE SPEC.	4 1/2"	2"	ACCESS CONTROL
201.2	HW-8	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	M1	HMF	PAINT	5 3/4"	2"	
201.3	HW-5	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	M1	HMF	PAINT	5 3/4"	2"	ACCESS CONTROL
202.1	HW-2	F	3'-0"	7'-0"	1 3/4"	INSUL. METAL	PAINT	M1	HMF	PAINT	9 1/4"	2"	ACCESS CONTROL , EXIT DEVICE
203.1	HW-6	N8	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	M1	HMF	PAINT	5 3/4"	2"	
203.2	HW-3	F	3'-0"	7'-0"	1 3/4"	INSUL. METAL	PAINT	M1	HMF	PAINT	8 1/4"	2"	ACCESS CONTROL
204.1	HW-6	N8	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	M1	HMF	PAINT	5 3/4"	2"	
205.1	HW-6	N8	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	M1	HMF	PAINT	5 3/4"	2"	
206.1	HW-6	N8	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	M1	HMF	PAINT	5 3/4"	2"	
207.1	HW-6	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	M1	HMF	PAINT	8 1/4"	2"	WITH LOUVER (SEE MECH)
208.1	HW-9	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	M1	HMF	PAINT	8 1/4"	2"	WITH LOUVER (SEE MECH)
209.1	HW-9	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	M1	HMF	PAINT	8 1/4"	2"	WITH LOUVER (SEE MECH)
210.1	HW-6	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	M1	HMF	PAINT	8 1/4"	2"	
211.1	HW-2	F	3'-0"	7'-0"	1 3/4"	INSUL. METAL	PAINT	M1	HMF	PAINT	5 3/4"	2"	ACCESS CONTROL , EXIT DEVICE
211.2	HW-7	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	M1	HMF	PAINT	8 1/4"	2"	EXIT DEVICE
211.3	HW-2	F	3'-0"	7'-0"	1 3/4"	INSUL. METAL	PAINT	M1	HMF	PAINT	5 3/4"	2"	EXIT DEVICE
212.1	HW-5	F	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISH	M1	HMF	PAINT	8 1/4"	2"	ACCESS CONTROL
300.1	HW-4	F	3'-0"	7'-0"	1 3/4"	INSUL. METAL	PAINT	M1	HMF	PAINT	5 3/4"	2"	
300.2	HW-4	F	3'-0"	7'-0"	1 3/4"	INSUL. METAL	PAINT	M1	HMF	PAINT	5 3/4"	2"	
400.1	HW-4	F	3'-0"	7'-0"	1 3/4"	INSUL. METAL	PAINT	M1	HMF	PAINT	5 3/4"	2"	
OS101		OS1	14'-0"	14'-0"	2"	INSUL. METAL	PRE-FINISHED		-	-			POWERED
OS102		OS1	14'-0"	14'-0"	2"	INSUL. METAL	PRE-FINISHED		-	-			POWERED
OS103		OS1	14'-0"	14'-0"	2"	INSUL. METAL	PRE-FINISHED		-	-			POWERED
OS104		OS1	14'-0"	14'-0"	2"	INSUL. METAL	PRE-FINISHED		-	-			POWERED
OS301		OS1	16'-0"	16'-0"	2"	INSUL. METAL	PRE-FINISHED		-	-			POWERED
OS302		OS1	16'-0"	16'-0"	2"	INSUL. METAL	PRE-FINISHED		-	-			POWERED
OS303		OS1	16'-0"	16'-0"	2"	INSUL. METAL	PRE-FINISHED		-	-			POWERED
OS304		OS1	16'-0"	16'-0"	2"	INSUL. METAL	PRE-FINISHED		-	-			POWERED
OS401		OS1	16'-0"	16'-0"	2"	INSUL. METAL	PRE-FINISHED		-	-			POWERED
OS402		OS1	16'-0"	16'-0"	2"	INSUL. METAL	PRE-FINISHED		-	-			POWERED
OS403		OS1	16'-0"	16'-0"	2"	INSUL. METAL	PRE-FINISHED		-	-			POWERED
OS404		OS1	16'-0"	16'-0"	2"	INSUL. METAL	PRE-FINISHED		-	-			POWERED

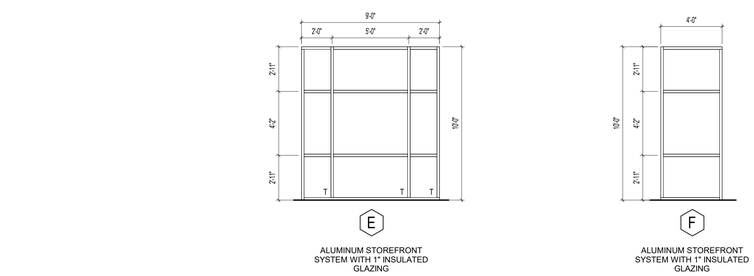


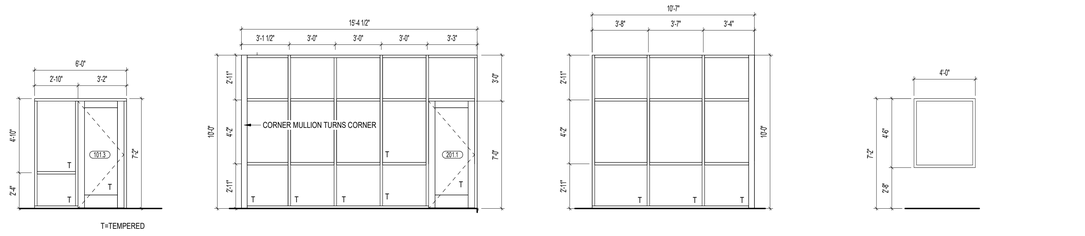


NOTE:
SEE DOOR SCHEDULE FOR ALL PANEL AND FRAME DIMENSIONS

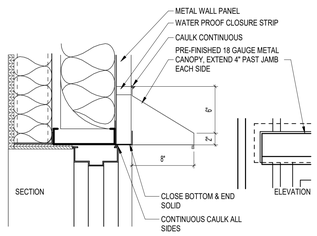
1 A8.1 HOLLOW METAL FRAME ELEVATIONS
1/4" = 1'-0"

DOOR ELEVATIONS
1/4" = 1'-0"

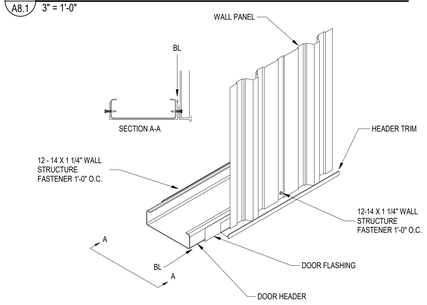




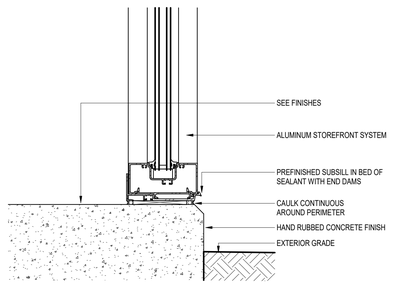
9 A8.1 SERVICE DOOR TRIM
3" = 1'-0"



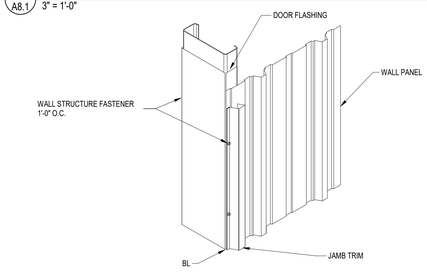
5 A8.1 PREFINISHED METAL HOOD
1 1/2" = 1'-0"



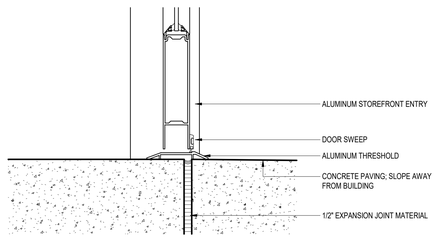
8 A8.1 DOOR/ WINDOW HEAD TRIM
3" = 1'-0"



4 A8.1 EXTERIOR ALUMINUM STOREFRONT SILL
3" = 1'-0"



7 A8.1 OVERHEAD DOOR JAMB TRIM
3" = 1'-0"



3 A8.1 EXTERIOR ALUMINUM THRESHOLD
3" = 1'-0"

2 A8.1 STOREFRONT ELEVATIONS
1/4" = 1'-0"

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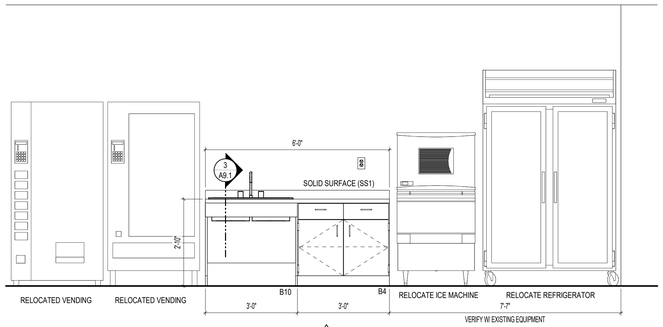
DOOR SCHEDULE & WINDOW ELEVATIONS

PUBLIC WORKS ADDITIONS
CITY OF PARAGOULD
PARAGOULD, AR

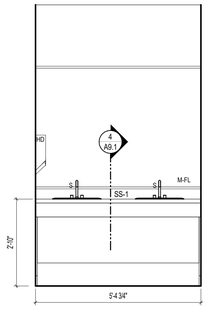
REGISTERED ARCHITECT
LEWIS, ELLIOTT, MCMORRAN, VADEN, RAGSDALE, BASTIAN & WOODWARD, INC.
NO. C-82
ARKANSAS
8/19/24

DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY: Author
REV:

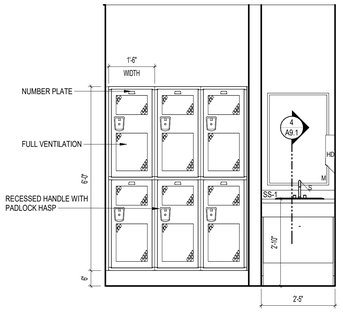
A8.1



A1



B1



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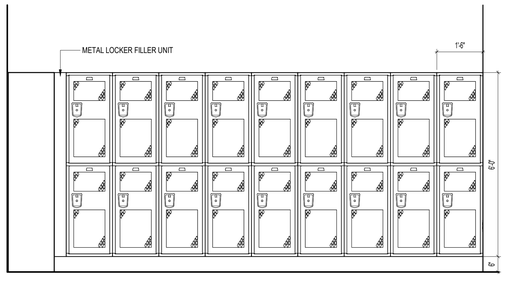

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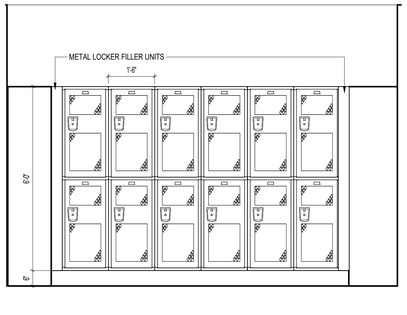
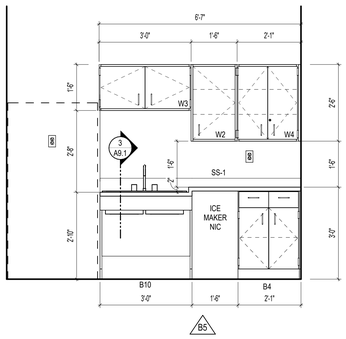


B4



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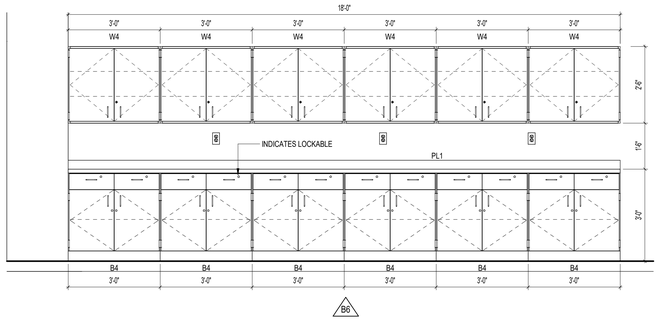
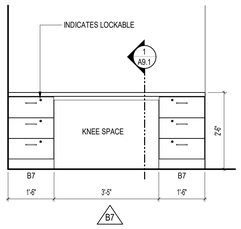


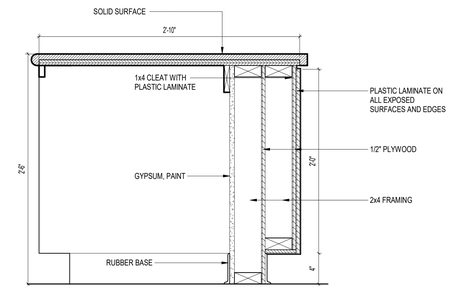
B6



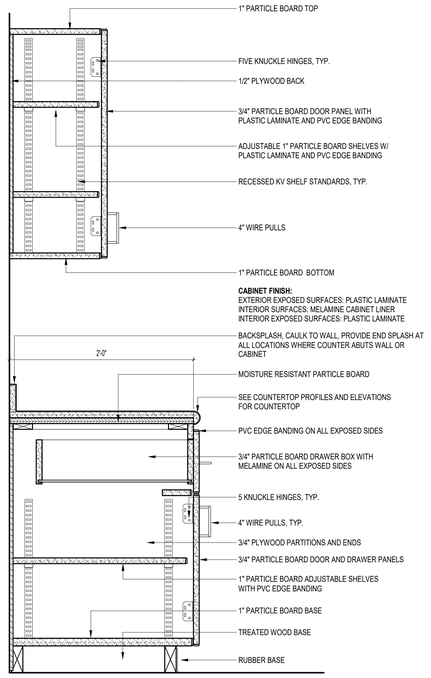
B7

MILLWORK SCHEDULE

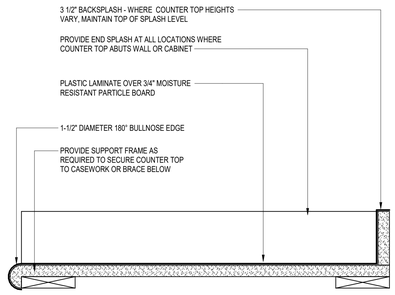
MARK	DESCRIPTION	DEPTH
B4	BASE CABINET - DOUBLE DOOR WITH ONE (1) ADJUSTABLE SHELF AND TWO (2) 6" TALL DRAWERS	24"
B7	BASE CABINET - THREE (3) EQUAL DRAWERS	24"
B10	SINK BASE CABINET - ACCESSIBLE APRON WITH REMOVABLE SLOPED PANEL TO CONCEAL PLUMBING	24"
W2	WALL CABINET - SINGLE DOOR WITH TWO (2) ADJUSTABLE SHELVES	12"
W3	WALL CABINET - DOUBLE DOOR (NO SHELF)	12"
W4	WALL CABINET - DOUBLE DOOR WITH TWO (2) ADJUSTABLE SHELVES	12"



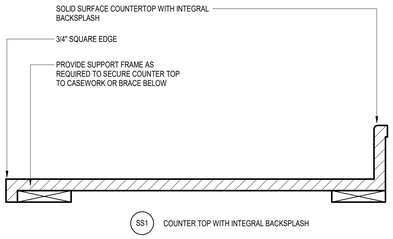
1 A9.1 LOW TRANSACTION COUNTER
1 1/2" = 1'-0"



6 A9.1 MILLWORK DETAIL
1 1/2" = 1'-0"

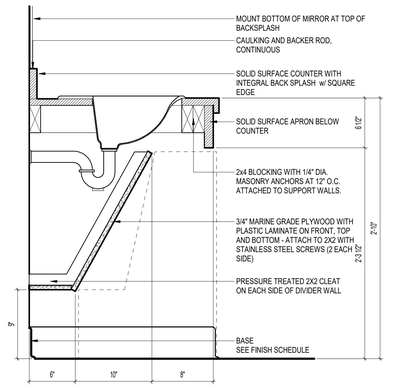


PL1 COUNTER TOP WITH APPLIED BACKSPLASH

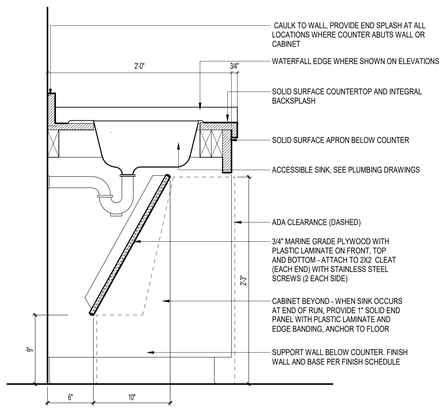


SS1 COUNTER TOP WITH INTEGRAL BACKSPLASH

5 A9.1 COUNTERTOP PROFILES
3" = 1'-0"



4 A9.1 LAVATORY COUNTER DETAIL, TYPICAL
1 1/2" = 1'-0"



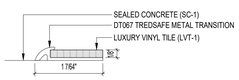
3 A9.1 MILLWORK DETAIL - ACCESSIBLE SINK
1 1/2" = 1'-0"

INTERIOR FINISH SCHEDULE

ROOM IDENTIFCATION NAME	#	FLOOR	BASE	WALL	CEILING	WINDOW SHADES	REMARKS
SHOP	100	EXIST	EXIST	EXIST/PLW-1	EXIST	NONE	2
CONFERENCE	101	LVT-1	RB-1	P-1	LAY-1	MWS-1	
TLT	102	SC-1	RB-1	P-2	LAY-1	NONE	
TLT	103	SC-1	RB-1	P-2	LAY-1	NONE	
CUST.	104	SC-1	RB-1	P-2	LAY-1	NONE	
TOOLS	105	SC-1	RB-1	PLW-1	LAY-1	NONE	
OFFICE	106	LVT-1	RB-1	P-1	LAY-1	MWS-1	
TOOLS	107	SC-1	RB-1	PLW-1	EXP-1	NONE	
LOBBY	108	LVT-1	RB-1	P-1	LAY-1/GYP-1	MWS-1	
RECEPTION	201	LVT-1	RB-1	P-1	LAY-1/GYP-1	MWS-1	
CORRIDOR	202	LVT-1	RB-1	P-1	LAY-1	NONE	
OFFICE	203	LVT-1	RB-1	P-1	LAY-1	MWS-1	
OFFICE	204	LVT-1	RB-1	P-1	LAY-1	MWS-1	
OFFICE	205	LVT-1	RB-1	P-1	LAY-1	MWS-1	
OFFICE	206	LVT-1	RB-1	P-1	LAY-1	MWS-1	
PREP	207	LVT-1	RB-1	P-1	LAY-1	NONE	
MEN	208	SC-1	RB-1	FRP-1	LAY-1	NONE	1
WOMEN	209	SC-1	RB-1	FRP-1	LAY-1	NONE	1
CUST.	210	SC-1	RB-1	P-1	LAY-1	NONE	
TRAINING	211	LVT-1	RB-1	P-1	LAY-1	MWS-1	
DATA	212	SC-1	RB-1	P-1	LAY-1	NONE	
STORAGE	300	CH-1	NONE	NONE	EXP-1	NONE	
BAYS	301	CH-1	NONE	NONE	EXP-1	NONE	
STORAGE	400	CH-1	NONE	NONE	EXP-1	NONE	
BAYS	401	CH-1	NONE	NONE	EXP-1	NONE	

MATERIAL KEY

	MARK	DESCRIPTION		MARK	DESCRIPTION
FLOOR	SC-1	SEALED CONCRETE	WALL	P-1	PAINT - SEMI GLOSS
	LVT-1	LUXURY VINYL TILE		P-2	PAINT - EPOXY
	CH-1	CONCRETE WITH HARDENER		PLW-1	PLYWOOD - PAINT
	EXIST	EXISTING FINISHES REMAIN, NO WORK		FRP-1	FIBER REINFORCED PANELS
BASE	RB-1	RUBBER BASE		NONE	NO WALL FINISH
	NONE	NO BASE		EXIST	EXISTING FINISHES REMAIN, NO WORK
	EXIST	EXISTING FINISHES REMAIN, NO WORK	CEILING	LAY-1	ACOUSTICAL TILES
				GYP-1	GYPSUM BOARD - PAINT FLAT
				EXP-1	EXPOSED STRUCTURE- NO PAINT
				EXIST	EXISTING FINISHES REMAIN, NO WORK
WINDOW SHADE	MWS-1	MANUAL WINDOW SHADE	REMARKS		
	NONE	NO WINDOW SHADE	1. PROVIDE DEDUCTIVE ALTERNATE TO PAINT EPOXY PAINT IN LIEU OF FRP, THIS LOCATION.		
			2. PAINT (P-2) @ NEW WALLS, ONLY.		



2 A9.1 LVT TO SEALED CONCRETE TRANSITION
12" = 1'-0"

LEWIS ARCHITECTS ENGINEERS
ELLIOTT • MCMORRAN • VADEN
RAGSDALE • WOODWARD • INCORPORATED
501 223 9302 • WWW.LEMVRW.COM

FINISH SCHEDULE, MILLWORK, & LOCKERS

PUBLIC WORKS ADDITIONS
CITY OF PARAGOULD
PARAGOULD, AR

REGISTERED ARCHITECT
LEWIS, ELLIOTT, MCMORRAN, VADEN, RAGSDALE, WOODWARD, INC.
NO. C-82
ARKANSAS
8/16/24

DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY: Author
REV:

A9.1

GENERAL STRUCTURAL NOTES:

1. STRUCTURE IS ONLY STABLE WHEN ALL CONSTRUCTION IS COMPLETE.
2. CONTRACTOR IS TO BE RESPONSIBLE FOR MAINTAINING A SAFE AND STABLE STRUCTURE INCLUDING ALL NEW AND EXISTING CONSTRUCTION DURING THE CONSTRUCTION OF ALL WORK. THIS RESPONSIBILITY SHALL INCLUDE BUT NOT BE LIMITED TO PROVIDING ALL NECESSARY SHORING, GUYING, BRACING AND/OR OTHER MEANS (INCLUDING THE DESIGN OF SUCH) TO SAFELY STABILIZE ALL EXISTING AND NEW CONSTRUCTION DURING THE WORK.
3. IT IS TO BE UNDERSTOOD THAT NOT ALL EXISTING CONDITIONS ARE ACCURATELY KNOWN. NO FRAMING OR FOUNDATION DRAWINGS WERE AVAILABLE FOR THIS BUILDING. CONTRACTOR IS TO PROCEED CAUTIOUSLY WHEN UNCOVERING AND/OR MODIFYING EXISTING CONDITIONS AND IS TO NOTIFY THE ARCHITECT AND ENGINEER OF ANYTHING HE DETECTS THAT IS NOT SAFE AND/OR CONFLICTS WITH THE NEW DESIGN AS INDICATED ON THESE DRAWINGS.
4. BEFORE BEGINNING WORK, CONTRACTOR IS TO CHECK ALL EXISTING DIMENSIONS, DESCRIPTIONS, AND CONDITIONS AND NOTIFY ARCHITECT AND ENGINEER OF ANYTHING DIFFERENT THAN SHOWN ON THESE PLANS.
5. BEFORE BEGINNING WORK, CONTRACTOR IS TO COMPARE ALL DIMENSIONS, ELEVATIONS AND OTHER CONDITIONS BETWEEN THE DIFFERENT DESIGN PROFESSIONALS DRAWINGS (e.g. ARCHITECT AND ENGINEER) AND NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES, AND OBTAIN THEIR WRITTEN INSTRUCTIONS REGARDING SUCH.
6. BEFORE BEGINNING WORK, CONTRACTOR IS TO EXPOSE ALL AREAS OF EXISTING STRUCTURE WHERE NEW CONSTRUCTION IS TO OCCUR AND EVALUATE, AND DETERMINE THE COMPOSITION OF THE EXISTING STRUCTURE CONSTRUCTION IN SAID AREAS AND INFORM ARCHITECT AND ENGINEER OF THOSE CONDITIONS. CONTRACTOR IS TO THEN OBTAIN THEIR WRITTEN INSTRUCTIONS REGARDING SUCH PRIOR TO FABRICATION OF ANY STRUCTURAL ITEM AND/OR COMPONENTS NEEDED FOR THIS PROJECT.
7. BRACE AND GUY UNTIL ALL FINAL CONNECTIONS ARE MADE.
8. WHEN WELDING OR USING A TORCH IN OR AROUND EXISTING BUILDINGS OR FINISHED AREAS, (FINISHED ROOMS, ATTICS, ON ROOFS, ETC.) PROVIDE FIRE BLANKETS, FIRE WATCHES, ETC. TO PREVENT FIRES OR FIRE DAMAGE.

FOUNDATION NOTES:

1. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK. REPORT DISCREPANCIES BETWEEN DRAWINGS AND SITE CONDITIONS TO ARCHITECT FOR COORDINATION.
2. ALL EXISTING UNDERGROUND UTILITIES, FOUNDATIONS, ETC. SHALL BE REMOVED FROM THE AREA OF THE BUILDING PAD AS DIRECTED BY THE GEOTHENICAL ENGINEER. BACKFILL EXCAVATIONS WITH COMPACTED SELECT FILL AND PLACE PER NOTE 5 BELOW.
3. POSITIVE DRAINAGE AWAY FROM BUILDING PADS SHALL BE PROVIDED AT ALL TIMES. SATURATED OR SUBSURFACE SOILS WILL BE DETRIMENTAL AND MAY INCREASE UNDERCUTS.
4. AT LOCATIONS WHERE UTILITY, ELECTRICAL, OR PLUMBING TRENCHES ARE LOCATED BELOW THE FOOTING AND WITHIN 5 FEET OF THE EDGE OF THE FOOTING, OR BELOW THE FOOTING, TRENCHES SHALL BE BACKFILLED IN LIFTS, COMPACTED, AND TESTED PER NOTE 5
5. ALL COMPACTED FILL SHALL BE PLACED IN 6-8 INCH LOOSE LIFTS AND COMPACTED TO AT LEAST 95% OF THE MAXIMUM STANDARD PROCTOR (ASTM D-698). FILL SOILS SHALL CONSIST OF LOW-PLASTICITY, NON-EXPANSIVE SOILS HAVING A LIQUID LIMIT LESS THAN 40 AND A PLASTICITY INDEX LESS THAN 15. FILL SOILS SHALL BE SELECT CLAYEY SAND (SC), SANDY CLAY (CL), OR CLAY GRAVEL (GC), AS NOTED IN THE SOILS REPORT. THE GEOTECHNICAL ENGINEER SHALL APPROVE ALL MATERIAL TO BE USED FOR FILL OR BACKFILL MATERIAL PRIOR TO PLACING EACH LIFT. THE PREVIOUS LIFT SHALL BE TESTED AND APPROVED BY GEOTECHNICAL ENGINEER.
6. FLOOR SLABS SHALL BEAR ON A MINIMUM 4" OF WASHED GRAVEL. VAPOR BARRIER (SEE SPECIFICATION 07 26 16) SHALL BE PLACED DIRECTLY BENEATH THE SLAB ON GRADE. BELOW THE WASHED GRAVEL SHALL BE EITHER COMPACTED SELECT FILL OR APPROVED NATURAL MATERIAL PASSING PROOFROLL.
7. FOOTINGS SHALL BEAR ON APPROVED NATURAL UNDISTURBED STIFF SOILS OR COMPACTED SELECT FILL CAPABLE OF 1,800 PSF ALLOWABLE BEARING CAPACITY. IF SUITABLE BEARING STRATA IS NOT REACHED AT THE BOTTOM OF FOOTING ELEVATION, THE FOOTINGS SHALL BE UNDERCUT UNTIL ACCEPTABLE MATERIAL IS REACHED. FILL UNDERCUT WITH LEAN CONCRETE (300 PSI @ 28 DAYS) TO BOTTOM OF FOOTING ELEVATION. EXCAVATIONS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING REBAR OR FLOWABLE FILL.
8. REFER TO THE MAXIMUM ALLOWABLE REACTION NOTE ON SEE SHEET S1.1, FOR ALLOWABLE REACTIONS FROM THE METAL BUILDING COLUMNS.
9. SUBGRADE MATERIALS SHALL NOT BE ALLOWED TO DRY OUT DURING EARTHWORK OR FOOTING EXCAVATIONS, NOR SHALL THEY BE ALLOWED TO BECOME SATURATED. FOLLOW GEOTECHNICAL RECOMMENDATIONS REGARDING SITE PREPARATION. IF DURING EARTHWORK OPERATIONS EXPANSIVE SOILS ARE ENCOUNTERED, CONTACT GEOTECHNICAL ENGINEER FOR FURTHER DIRECTION. NOTIFY ARCHITECT PRIOR TO IMPLEMENTING ADDITIONAL UNDERCUT/EARTHWORK.
10. FOUNDATION DESIGN IS BASED ON RECOMMENDATIONS PROVIDED IN "GEOTECHNICAL ENGINEERING REPORT, PROPOSED PARAGOULD PUBLIC WORKS" DATED JULY 25,2024. BY INTEREXPSI.
11. PRIOR TO THE BEGINNING OF THE SITE WORK, THE GENERAL CONTRACTOR SHALL EMPLOY GEOTECHNICAL SERVICES TO OBSERVE SITE WORK OPERATIONS. IF THESE SERVICES ARE NOT FROM ???, THEY SHALL CONTACT INTEREXPSI TO REVIEW THE SITE WORK AND FOUNDATION REQUIREMENTS OF THE PROJECT BEFORE THE BEGINNING OF WORK.
12. CONTRACTOR SHALL PROTECT EXISTING BUILDINGS FOUNDATIONS WHEN EXCAVATING ADJACENT TO THEM. CONTRACTOR SHALL PROVIDE SHORING OR OTHER MEANS OF SUPPORT OF EXISTING FOUNDATIONS AS NOT TO CAUSE DAMAGE TO THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDINGS.
13. AN INDEPENDENT TESTING AGENCY SHALL BE ONSITE TO INSPECT THE FOLLOWING & DEFICIENCIES SHALL BE CORRECTED PRIOR TO PROCEEDING WITH RELATED WORK:
    -TEST & APPROVE COMPACTED SELECT FILL PLACEMENTS.
    -OBSERVE & APPROVE BEARING STRATA.

GENERAL CONCRETE NOTES:

1. AMERICAN CONCRETE INSTITUTE SPECIFICATIONS SHALL GOVERN ALL PHASES OF CONCRETE CONSTRUCTION.
2. CONCRETE PLACEMENT SHALL BE AS NOTED IN THE CONCRETE PLACEMENT SCHEDULE BELOW. SEE SPECIFICATIONS FOR MIX DESIGN REQUIREMENTS.
3. ALL REINFORCING STEEL SHALL BE GRADE 60. REBAR FOR TIE BEAMS AND HAIRPIN REINFORCING SHALL BE SPLICED W/ MECHANICAL DEVICES. SEE SPECIFICATIONS.
4. GENERAL CONTRACTOR SHALL VERIFY ALL CONCRETE DIMENSIONS, INSERTS, SLEEVES, AND OPENINGS WITH ALL TRADES BEFORE PLACING CONCRETE. ALL SLEEVES FOR CONDUIT, OR OTHER INSERTS SHALL BE PLACED PRIOR TO CONCRETE. NO CONCRETE SHALL BE BROKEN OUT TO PLACE ELECTRICAL, MECHANICAL, OR SIMILAR ITEMS WITHOUT THE PERMISSION OF THE ARCHITECT.
5. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO PLACING ANY CONCRETE. IF THERE ARE DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS, CONTACT THE ARCHITECT BEFORE COMMENCING WITH WORK.
6. CONCRETE PLACEMENT FOR SLABS SHALL BE CLOSELY COORDINATED WITH WEATHER CONDITIONS TO PREVENT RAPID MOISTURE LOSS OR TEMPERATURE SWINGS.
7. 2 WEEKS PRIOR TO PLACING ANY EXPOSED CONCRETE SLABS, THE CONCRETE FINISHER, THE CONCRETE SUPPLIER, ARCHITECT'S REPRESENTATIVE, AND CONTRACTOR SHALL MEET TO DISCUSS MIX DESIGN, ADEQUATE PROTECTION, CURING, SIZE OF SLAB PLACEMENTS, ETC.
8. EXPOSED WALLS AND SLABS SHALL BE REVIEWED FOR CRACKING DETRIMENTAL TO FINISH. SLABS/WALLS TO BE EXPOSED TO VIEW MAY REQUIRE REMOVAL IF THEY ARE DAMAGED OR CRACKING OCCURS THAT WILL BE DETRIMENTAL TO THE FINISH/APPEARANCE OF THE FINAL PRODUCT.
9. AN INDEPENDENT TESTING AGENCY SHALL BE ONSITE TO INSPECT THE FOLLOWING & DEFICIENCIES SHALL BE CORRECTED PRIOR TO PROCEEDING WITH RELATED WORK:
    -FOUNDATION REINFORCING
    -ANCHOR BOLT PLACEMENT
    -SAMPLING/TESTING
    (SEE SPECIFICATION SECTION 03 31 00)

CONCRETE PLACEMENT SCHEDULE

CONCRETE MIX TYPE	PLACEMENT
4,000 PSI WITH AIR-ENTRAINMENT	EXTERIOR PAVING, CURBS, SIDEWALKS, STEPS, PADS, TOPPING SLAB
4,000 PSI NO AIR-ENTRAINMENT	INTERIOR FLOOR SLABS
3,000 PSI NO AIR-ENTRAINMENT	FOOTINGS, PEDESTALS

GENERAL FRAMING NOTES:

1. BRACE AND GUY UNTIL ALL FINAL CONNECTIONS ARE MADE.
2. ALL STRUCTURAL STEEL MEMBERS SHALL MEET THE FOLLOWING CRITERIA:
   A. WIDE FLANGE SHAPES - Fy=50 ksi. CONFORM TO ASTM A-992.
   B. ANGLES, CHANNELS & ROUND BARS - Fy=50 ksi. CONFORM TO ASTM-A572
   C. PLATES LESS THAN ½" THICK-Fy=36 ksi. CONFORM TO ASTM A-36.
   D. PLATES 1/2" THICK & GREATER & BARS - Fy=50 ksi. CONFORM TO ASTM A-572.
   E. HSS TUBING - Fy=50 ksi. CONFORM TO ASTM A-500 GRADE C.
   F. HSS ROUND PIPE - Fy=46 ksi. CONFORM TO ASTM A-500 GRADE C.
3. AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATIONS SHALL GOVERN ALL PHASES OF STEEL CONSTRUCTION.
4. ALL WELDING IN ACCORDANCE WITH A.W.S REQUIREMENTS FOR E70XX ELECTRODES.
5. ALL BOLTS SHALL BE ¾" DIA. A325N, UNO.
6. WHEN WELDING OR USING A TORCH IN OR AROUND EXISTING BUILDINGS OR FINISHED AREAS, (FINISHED ROOMS, ATTICS, ON ROOFS, ETC.) PROVIDE FIRE BLANKETS, FIRE WATCHES, ETC. TO PREVENT FIRES OR FIRE DAMAGE
7. PRE-ENGINEERED METAL BUILDING SHALL BE DESIGNED FOR BUILDING DESIGN LOADS SHOWN ON THIS SHEET AND SHALL MEET THE FOLLOWING:
   A. REFER TO ARCHITECTURAL PLANS FOR EAVE HEIGHTS, ROOF SLOPES, TOP OF FRAME ELEVATIONS, AND CLEARANCES BENEATH FRAMES. COLUMNS, FRAMES, AND RAFTER SHALL NOT INTERFERE WITH ARCHITECTURAL FINISHES.
   B. PROVIDE SECONDARY FRAMING TO SUPPORT ITEMS SHOWN ON THE FRAMING PLANS INCLUDING MECHANICAL UNITS, EXHAUST FANS, LOUVERS, ETC. VERIFY SIZE, WEIGHT, AND LOCATION WITH MECH. AND ARCHITECTURAL DRAWINGS AND RESPECTIVE SUPPLIERS.
   C. PROVIDE FRAMING FOR ALL OPENINGS IN METAL ROOFS AND PROVIDE FRAMED OPENINGS AT METAL WALL PANEL THAT IS FRAMED WITH GIRTS.
   D. MBM TO DESIGN AND PROVIDE ALL GIRTS NOT SIZED ON THE DRAWING AND THEIR CONNECTION TO THE COLUMNS. INCLUDING (HG) FOR APPLICABLE WIND AND SEISMIC LOADS NOTED IN BUILDING DESIGN NOTES. GIRT TO COLUMN CONNECTIONS SHALL BE SLOTTED AT EACH END OF GIRT TO ALLOW ¾" MOVEMENT ALONG AXIS OF GIRT. SEE SPECIFICATIONS FOR DEFLECTION REQUIREMENTS.
   E. REFER TO THE DRAWINGS AND SPECIFICATION FOR ADDITIONAL REQUIREMENTS REGARDING THE DESIGN, SUBMITTALS, DEFLECTION REQUIREMENTS, ETC. FOR THE METAL BUILDING SYSTEM.
8. AN INDEPENDENT TESTING AGENCY SHALL BE ONSITE TO INSPECT THE FOLLOWING & DEFICIENCIES SHALL BE CORRECTED PRIOR TO PROCEEDING WITH RELATED WORK:
   -BOLTED CONNECTIONS OF METAL BUILDING PRIMARY MEMBERS INCLUDING FRAMES, PORTAL FRAMES, AND X- BRACING
   - INSTALLATION OF FLANGE BRACES AT NEW AND EXISTING BUILDING

SPECIAL INSPECTIONS:

SPECIAL INSPECTIONS ARE REQUIRED FOR STRUCTURAL SYSTEM, AND STRUCTURAL COMPONENTS.

1. FOUNDATION INSPECTIONS - SEE FOUNDATION NOTES
2. CONCRETE INSPECTIONS - SEE CONCRETE NOTES
3. STRUCTURAL STEEL INSPECTIONS - SEE GENERAL FRAMING NOTES

SEISMIC NOTE:

I HEREBY CERTIFY THAT THE FOUNDATION & FRAMING PLANS AS WELL AS THE DETAILS, AND SPECIFICATIONS HAVE BEEN PREPARED BY ME OR UNDER MY SUPERVISION. I FURTHER CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THE PLANS AND SPECIFICATIONS ARE AS REQUIRED AND IN COMPLIANCE WITH ACT 1100 (SEISMIC LAW). REFER TO THE BUILDING DESIGN LOADS ON THIS SHEET FOR SEISMIC DESIGN CRITERIA.
DATE: AUGUST16, 2024

RANDY L. GANGLUFF, P.E., AR #11242

LIGHT GAGE FRAMING NOTES

1. SHALL MEET THE STANDARDS OF THE AMERICAN IRON AND STEEL INSTITUTE'S "Design of Cold Formed Structural Members" AS WELL AS THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
2. LIGHT GAGE FRAMING SHALL MEET THE FOLLOWING MATERIAL REQUIREMENTS:
   MATERIALS 54 MIL THICK AND THICKER Fy=50 KSI
   MATERIALS 43 MIL THICK AND THINNER Fy=33 KSI
3. STUD WALL SHALL HAVE VERTI-TRACK OR OTHER SLIP CONNECTIONS NOTED ON DETAILS AT FLOOR AND ROOF FRAMING (UNO).
4. STUD WALLS WITH GYP/SHEATHING BOTH SIDES SHALL HAVE 'U' CHANNEL BRIDGING (DETAIL 3/S1.1) INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS. WHERE STUDS DO NOT REQUIRE GYPBOARD/SHEATHING ON ONE OR BOTH SIDES, THE STUDS SHALL HAVE BLOCKING AND STRAPPING (DETAIL 4/S1.1) INSTALLED PER THE MANUFACTURERES RECOMMENDATIONS.
5. TRACK AT TOP AND BOTTOM OF STUD WALL SHALL BE SAME DEPTH AND THICKNESS AS WALL STUD WITH MINIMUM 1¼" FLANGES. SEE SPECS FOR TRACK TO CONCRETE AND TRACK TO STEEL CONN. UNLESS NOTED OTHERWISE ON DRAWINGS.
6. STUD WALLS SHALL BE SIZED AND SPACED AS NOTED BELOW, UNLESS NOTED OTHERWISE ON ARCHITECTURAL OR STRUCTURAL DETAILS OR REQUIRED FOR ARCHITECTURAL FINISHES. THE MORE STRINGENT STUD SIZE SHALL GOVERN.
7. REFER TO S/S1.1 FOR INTERIOR STUD WALL TO PURLIN CONNECTIONS AT ROOF.

WALL STUD SCHEDULE

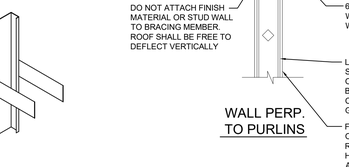
LOCATION	MAXIMUM UNBRACED HEIGHT OF STUD	STUD SIZE	SPACING
EXTERIOR WALLS W/ WALL PANEL	12'-0"	600S162-43	16" O.C.
INTERIOR WALLS	14'-0"	SEE SECTION 09 21 00 OF SPECS.	
	20'-0"	362S162-43	16" O.C.

MAXIMUM ALLOWABLE REACTION NOTE:

IF METAL BUILDING MANUFACTURER'S REACTIONS EXCEED THOSE SHOWN ON DETAILS, FOUNDATIONS, HAIRPINS, AND TIE BEAMS MAY HAVE TO BE INCREASED AT THE CONTRACTOR'S EXPENSE.

LINTEL/HEADER SCHEDULE

LT-1



EXTERIOR HEADER LINTEL FOR OPENINGS UP TO 6'-8" UNO ON PLAN

LT-2

EXTERIOR HEADER LINTEL FOR OPENINGS UP TO 10'-0" UNO ON PLAN

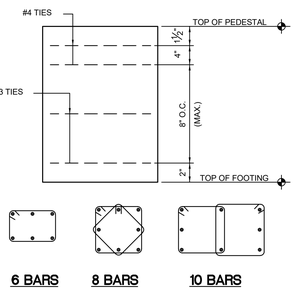
BUILDING DESIGN LOADS:

THE FOLLOWING LOADS AS PER IBC 2021 AND THE LATEST EDITION OF THE ARKANSAS FIRE PREVENTION CODE

1. GRAVITY LOADS:
   a. METAL BUILDING:
      - UNIFORM DEAD = SELF WEIGHT OF FRAMES, PURLINS, SSMR, INSULATION
      - UNIFORM LIVE = 20 PSF (4 PSF MAX. REDUCTION FOR FRAMES)
      - UNIFORM COLLATERAL = 6 PSF TYPICAL
      8 PSF BUILDING B ONLY
      - CONCENTRATED LOADS WHERE NOTED ON DRAWINGS.
   b. MECANICAL PLATFORM - BUILDING A:
      - UNIFORM DEAD = 15 PSF
      - UNIFORM LIVE = 75 PSF
2. WIND LOADS:
   - ULTIMATE WIND SPEED (V) = 106 MPH
   - WIND IMPORTANCE FACTOR (I) = 1.0
   - RISK CATEGORY = II
   - INTERNAL PRESSURE COEFFICIENTS (GCpi) = ±.18
   - EXPOSURE CATEGORY = C
3. SNOW LOAD CRITERIA:
   - GROUND SNOW LOAD (PG) = 10 PSF
   - SNOW EXPOSURE FACTOR (CE) = 1.0
   - IMPORTANCE FACTOR (I) = 1.0
   - THERMAL FACTOR (CT) = 1.0(ENCLOSED AREAS)
   1.2(UNHEATED AREAS)
4. SEISMIC LOAD CRITERIA:
   - RISK CATEGORY = II
   - IMPORTANCE FACTOR = 1.0
   - SPECTRAL RESPONSE COEFFICIENTS
   I. Ss = 1.097
   II. S1 = 0.38
   III. SDs = 0.776
   IV. SD1 = N/A
   - SITE CLASS = D (PER SOILS ENGINEER)
   - SEISMIC DESIGN CATEGORY = D
   - BASIC SEISMIC RESISTING SYSTEM ORDINARY STEEL MOMENT FRAMES- R=3.5
5. CONSTRUCTION LOADS (SCISSORS LIFTS, FORKLIFTS, ETC.) SUPPORTED BY SLABS-ON-GRADE AND STRUCTURAL SLABS SHALL BE ANALYZED BY AN INDEPENDENT STRUCTURAL ENGINEER. THE COST OF THE ANALYSIS SHALL BE PAID FOR BY THE CONTRACTOR. THE ANALYSIS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL. HOWEVER, ENGINEER OF RECORD IS NOT RESPONSIBLE SHOULD DAMAGE TO THE SLAB OR STRUCTURE OCCUR.

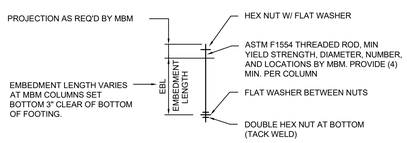
STRUCTURAL LEGEND:

AA	ADHESIVE ANCHOR - SEE SPECS.
AFF	ABOVE FINISHED FLOOR
B/L	BUILDING LINE
BOF	BACK OF FRAME
BOS	BOTTOM OF STEEL
BRG.	BEARING
CJ	KEYED CONTROL JOINT - SEE 4/S3.1 OR 8/S3.1
CLR.	CLEAR
CSRF	CLEAR SPAN RIGID FRAME BY MBM
CSEWF	CLEAR SPAN ENDWALL FRAME BY MBM
EF	EACH FACE
EJ	EXPANSION JOINT
ES	EAVE STRUT BY MBM
EQ	EQUAL
EW	EACH WAY
FD	FLOOR DRAIN (24"Ø WALLOW, SLOPE SLAB ½" TO DRAIN)
FF	FINISHED FLOOR
FG	FINISHED GRADE
FOC	FACE OF CONCRETE
FS	FLOOR SINK - SEE 15/S3.1
H	HIGH
HD	HEADER- SEE SCHEDULE ON S1.1
HG	HORIZONTAL GIRT BY MBM
HRB	HORIZONTAL ROD BRACE BY MBM
HP	HAIRPIN
L	LOW
LG	LONG
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
MBM	METAL BUILDING MANUFACTURER
MSEWF	MULTI-SPAN ENDWALL FRAME BY MBM
MSRF	MULTI-SPAN RIGID FRAME BY MBM
MWP	METAL WALL PANEL
O.C.	ON CENTER
O.H.	OPPOSITE HAND
PAF	POWDER ACTUATED FASTENER - SEE SPECS.
PF	PORTAL FRAME BY MBM
SB	SECONDARY BEAM BY MBM
SCJ	SAWN CONTROL JOINT - SEE 3/S3.1 OR 7/S3.1
SF	STEP IN FOOTING - SEE 2/S3.1
SIM.	SIMILAR
TB	TIE BEAM - SEE 10/S3.2
TOF	TOP OF FOOTING
TOW	TOP OF WALL
UNO	UNLESS NOTED OTHERWISE
V	VERTICAL
VIF	VERIFY IN FIELD
VXB	VERTICAL 'X' BRACE BY MBM
WWF	WELDED WIRE FABRIC
— — —	DENOTES SAWN CONTROL JOINT
▬ ▬ ▬	DENOTES SLAB CORNER BAR

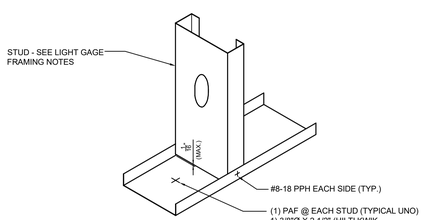


NOTES:
1. SEE COLUMN AND PEDESTAL SCHEDULE ON DETAILS FOR VERTICAL REINFORCING.
2. TOP TWO TIES SHALL BE #4 & SPACED @ 4" O.C. REMAINING TIES TO BE #3 AND SPACED AT 8" O.C. MAXIMUM UNO ON DETAILS. PROVIDE 1 TIE IN FOOTING.
3. TIES SHALL BE 2" CLEAR FROM FORMED FACE & 3" CLEAR FROM FACE POURED AGAINST EARTH @ MONOLITHIC SLABS

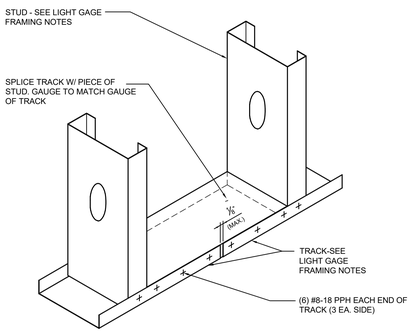
A S1.1 PEDESTAL TIE CONFIGURATION
NTS



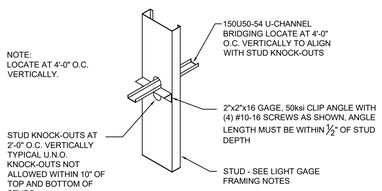
B S1.1 TYP. ANCHOR BOLT FOR MBM COLS.
NTS



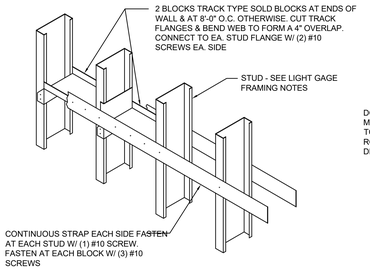
1 S1.1 STUD TO TRACK CONN. (TYP. TOP & BOTT.)
NTS



2 S1.1 TRACK SPLICE (TYP. TOP & BOTT.)
NTS



3 S1.1 TYP. STUD BRIDGING DETAIL
NTS



4 S1.1 STUD BLOCKING/ STRAPPING DETAIL
NTS

5 S1.1 TOP OF STUD WALL @ PURLINS
NTS

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STRUCTURAL NOTES

PUBLIC WORKS ADDITION
CITY OF PARAGOULD
PARAGOULD, AR

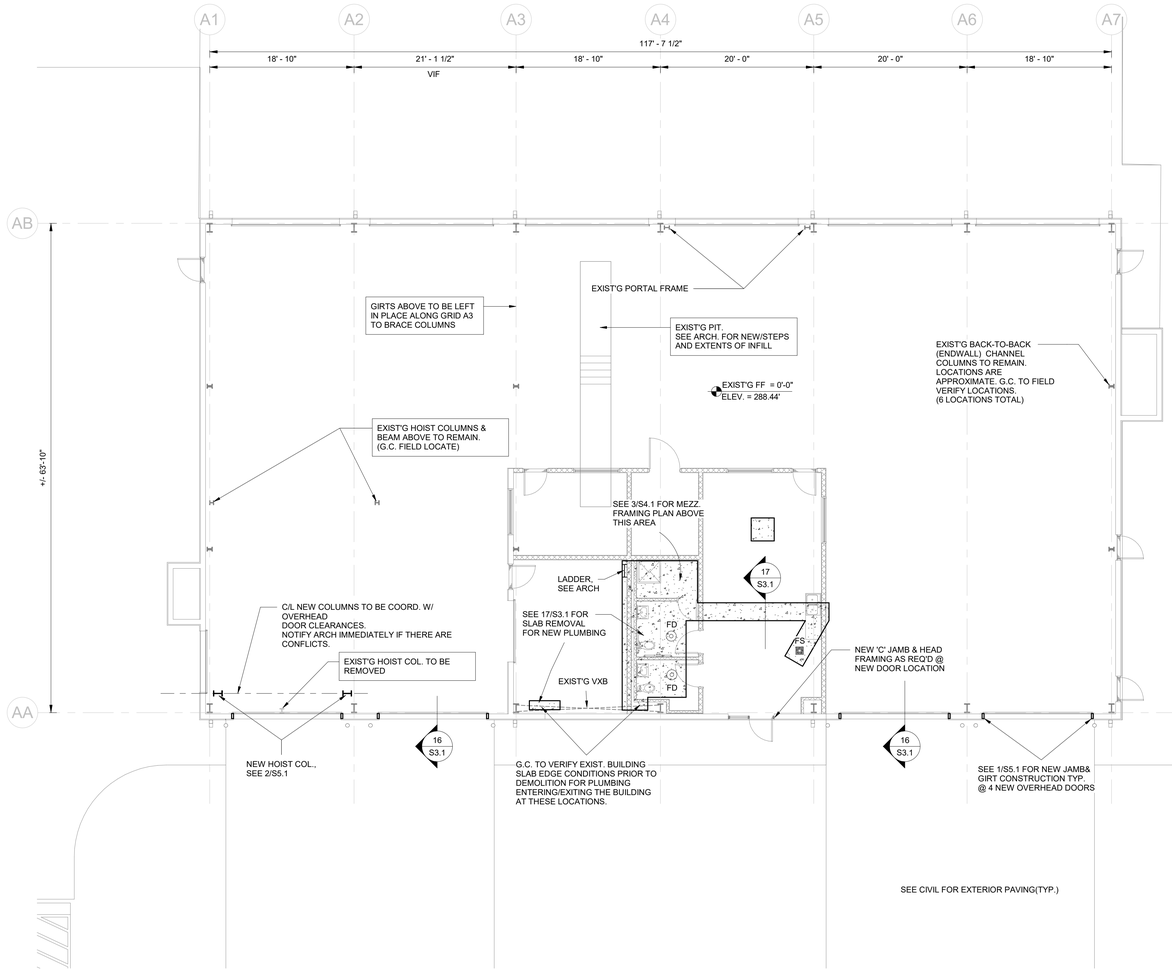
CERTIFICATE OF AUTHORIZATION
GREESON, GATLIN GANGLUFF & ASSOC. ENGINEERING P.A.
No. 133
ARKANSAS ENGINEERING
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No.11242
RANDY L. GANGLUFF
08-16-2024

DATE: 2024-08-16
PROJECT NO: 22033
DRAWN BY: GGGAE
REV:

S1.1
1 OF 9

PLAN NOTES

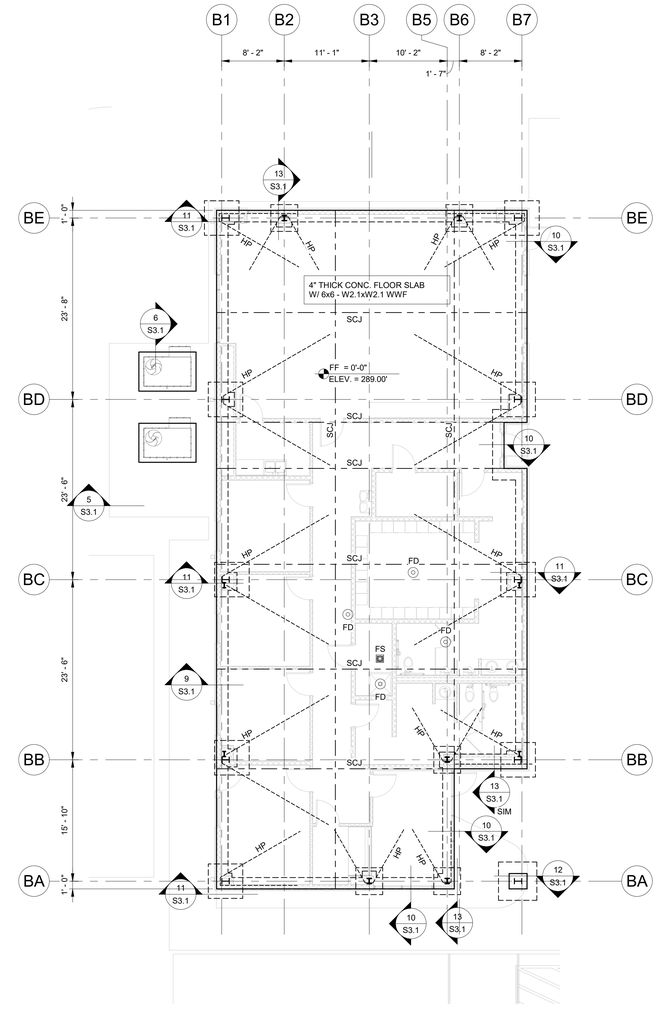
1. SEE S1.1 FOR:
   a. BUILDING DESIGN LOADS
   b. CONCRETE NOTES
   c. FOUNDATION NOTES
   d. FRAMING NOTES
   e. STRUCTURAL LEGEND
   f. LIGHT GAGE FRAMING NOTES
   g. HEADER SCHEDULE
2. SEE ARCHITECTURAL DRAWINGS FOR OVERALL BUILDING LAYOUT DIMENSIONS
3. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS



NORTH

1 S2.1 FOUNDATION PLAN - BUILDING A

1/8" = 1'-0"



NORTH

2 S2.1 FOUNDATION PLAN - BUILDING B

1/8" = 1'-0"

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FOUNDATION PLANS BUILDING - A & B

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No. 133
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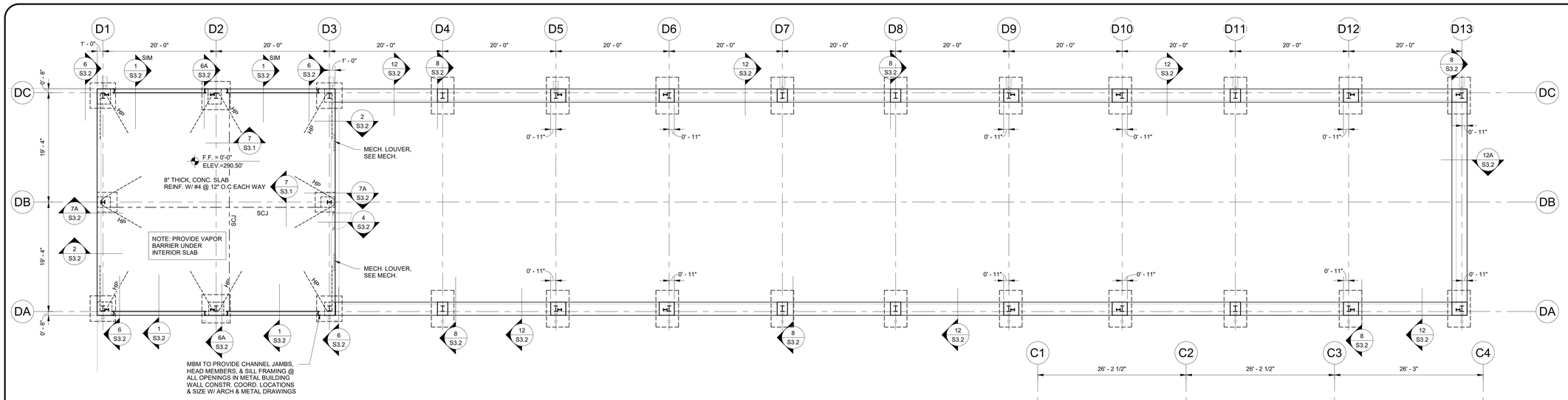
RANDY L. GANGLUFF
08-16-2024

DATE: 2024-08-16
PROJECT NO: 22033
DRAWN BY: GGGAE
REV:

S2.1



NORTH

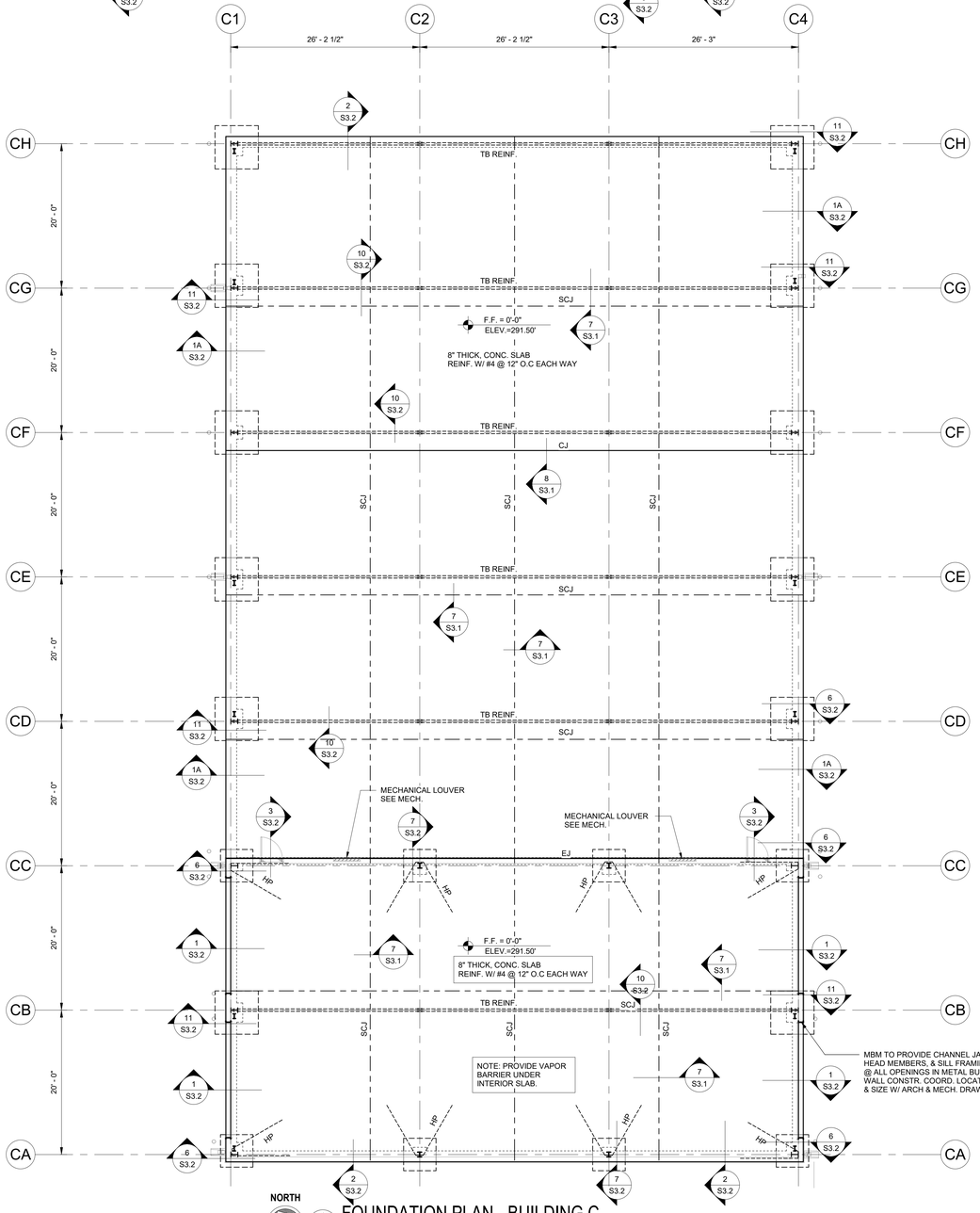
2 S2.2 FOUNDATION PLAN - BUILDING D

1/8" = 1'-0"

DEDUCTIVE ALTERNATE NOTE:
BUILDING C & D ARE TO BE OMITTED
REFER TO SPECIFICATIONS

PLAN NOTES

1. SEE S1.1 FOR:
   a. BUILDING DESIGN LOADS
   b. CONCRETE NOTES
   c. FOUNDATION NOTES
   d. FRAMING NOTES
   e. STRUCTURAL LEGEND
   f. LIGHT GAGE FRAMING NOTES
   g. HEADER SCHEDULE
2. SEE ARCHITECTURAL DRAWINGS FOR OVERALL BUILDING LAYOUT DIMENSIONS
3. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS



NORTH

1 S2.2 FOUNDATION PLAN - BUILDING C

1/8" = 1'-0"

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FOUNDATION PLANS
BUILDING - C & D

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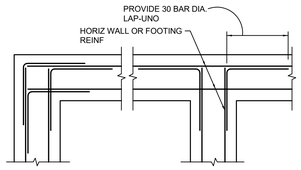
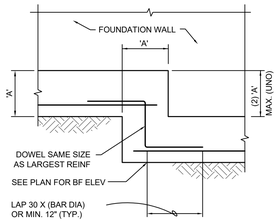
No. 133
ARKANSAS ENGINEER

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11242
RANDY L. CAMCLIFF
08-16-2024

DATE: 2024-08-16
PROJECT NO: 22033
DRAWN BY: GGGAE
REV:

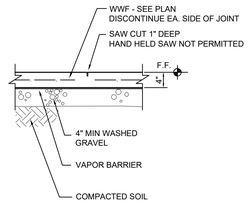
S2.2



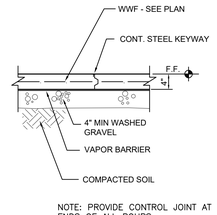


1 S3.1 TYP. WALL OR FOUNDATION INTERSECTION
NTS

2 S3.1 TYP. STEP IN FOOTING (SF) DETAIL
NTS

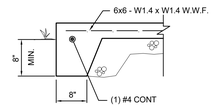


3 S3.1 TYP. SAWN CONTROL JOINT @ 4" SLAB (SCJ)
NTS

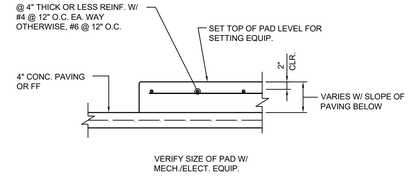


NOTE: PROVIDE CONTROL JOINT AT ENDS OF ALL POURS.

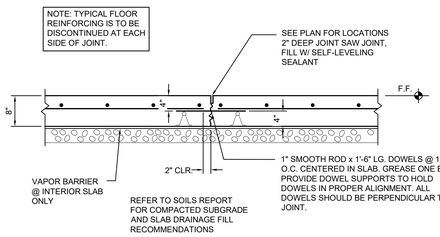
4 S3.1 TYP. CONSTRUCTION JOINT @ 4" SLAB (CJ)
3/4=1'-0"



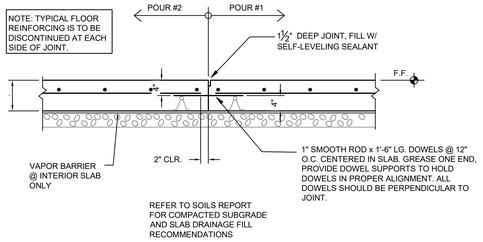
5 S3.1 TYP.EDGE OF CONC. PADS & SIDEWALKS
3/4=1'-0"



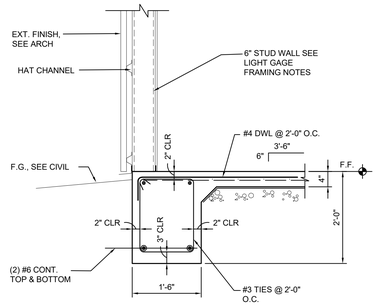
6 S3.1 CONCRETE PAD @ EQUIPMENT (TYPICAL)
3/4=1'-0"



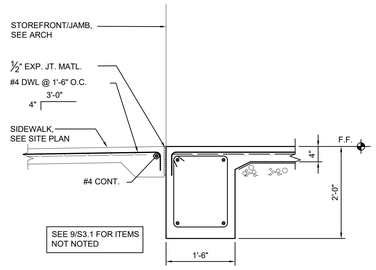
7 S3.1 TYP. 8" SLAB SAWN CONTROL JOINT (SCJ)
3/4=1'-0"



8 S3.1 TYP. 8" SLAB CONSTRUCTION JOINT (CJ)
3/4=1'-0"



9 S3.1 TYP. EXTERIOR WALL (UNO) @ BUILDING B
3/4=1'-0"



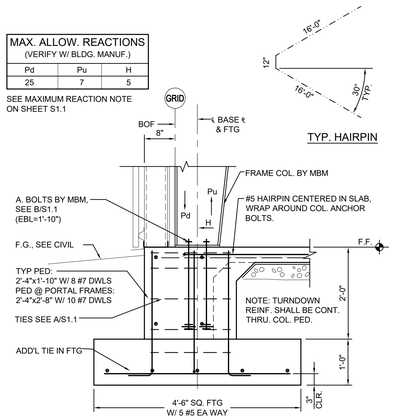
10 S3.1 EXT. STOREFRONT/DOOR @ BUILDING B
3/4=1'-0"

MAX. ALLOW. REACTIONS (VERIFY W/ BLDG. MANUF.)			
GRID	Pd	Pu	H
BA-B3	2	0	2
BA-B5	3	0	2
BB-B5	2	0	2
BE-B2	0	0	2
BE-B6	0	0	2

MBM NOTE:
GRAVITY REACTIONS THESE COLS. IS FROM GIRT/TUBE SUPPORTING WALL ABOVE STOREFRONT

MAX. ALLOW. REACTIONS (VERIFY W/ BLDG. MANUF.)			
Pd	Pu	H	
25	7	5	

SEE MAXIMUM REACTION NOTE ON SHEET S1.1

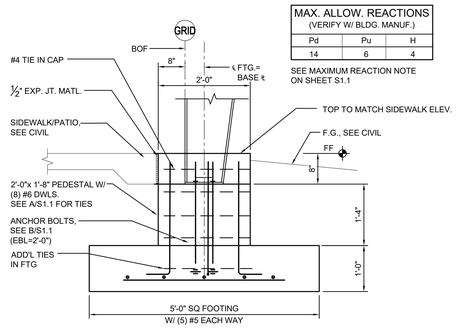


TYP. HAIRPIN CORNER HAIRPIN

11 S3.1 TYP. FRAME COLUMN W/ HP @ BUILDING B
3/4=1'-0"

MAX. ALLOW. REACTIONS (VERIFY W/ BLDG. MANUF.)			
Pd	Pu	H	
14	6	4	

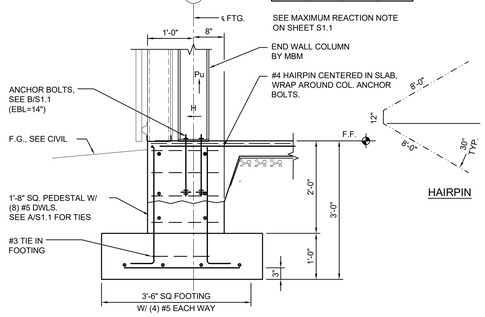
SEE MAXIMUM REACTION NOTE ON SHEET S1.1



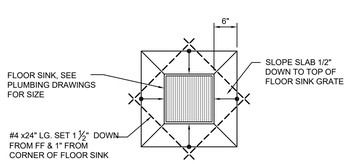
12 S3.1 FDN. SECTION @ EXT. FRAME COLUMN @ BUILDING B
3/4=1'-0"

MAX. ALLOW. REACTIONS (VERIFY W/ BLDG. MANUF.)			
GRID	Pd	Pu	H
BE-B2	0	0	2
BE-B6	0	0	2

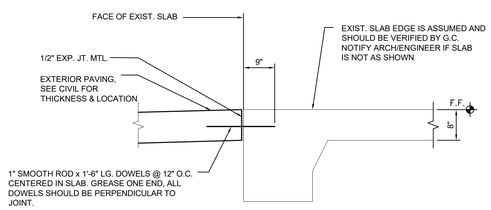
SEE MAXIMUM REACTION NOTE ON SHEET S1.1



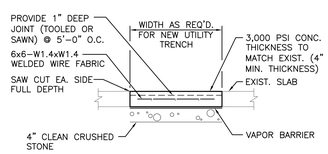
13 S3.1 TYP. ENDWALL/WIND COLUMN W/ HP @ BUILDING B
3/4=1'-0"



15 S3.1 FLOOR SINK PLAN DETAIL
3/4=1'-0"



16 S3.1 EXPANSION JOINT AT NEW OVERHEAD DOORS APRON BUILDING A
3/4=1'-0"



17 S3.1 SLAB REPAIR AT PLUMBING/DRAINS BUILDING A
3/4=1'-0"

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FOUNDATION DETAILS

PUBLIC WORKS ADDITION
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PARAGOULD, AR

CERTIFICATE OF AUTHORIZATION
GREESON, GATLIN, GANGLUFF & ASSOC. ENGINEERING P.A.
No. 133
ARKANSAS ENGINEER

STATE OF ARKANSAS
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No. 11242
RANDY L. GANGLUFF
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DATE: 2024-08-16
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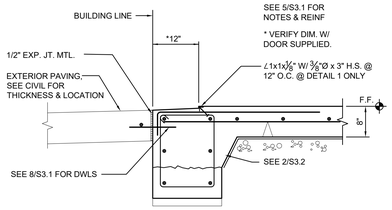
DRAWN BY: GGGAE
REV:

GREESON GATLIN GANGLUFF & ASSOCIATES ENGINEERS PA
Phone: 501.224.7070

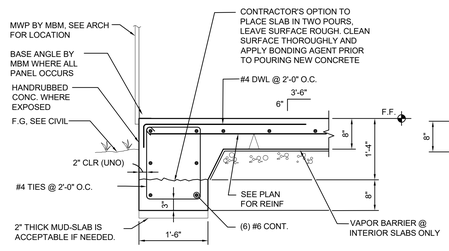
224028

S3.1

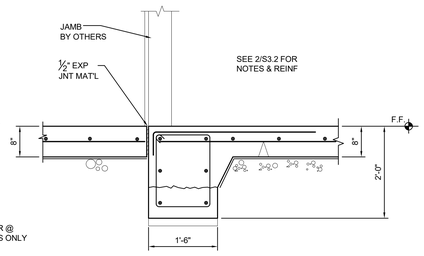


1 S3.2 FDN. SECTION @ O.H. DOOR BUILDING C & D
3/4=1'-0"

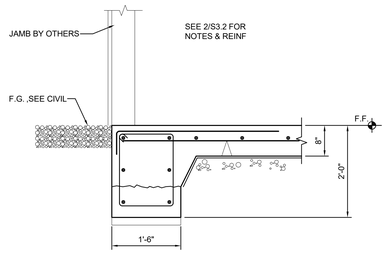
1A S3.2 FDN. SECTION @ EXTERIOR CONC. PAVING @ BUILDING C & D
3/4=1'-0"



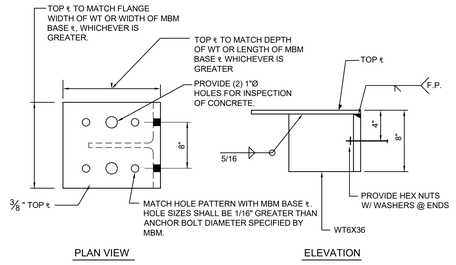
2 S3.2 TYP. EXT. WALL/ SLAB EDGE (UNO) @ BUILDING C & D
3/4=1'-0"



3 S3.2 EXTERIOR DOOR @ BUILDING C
3/4=1'-0"



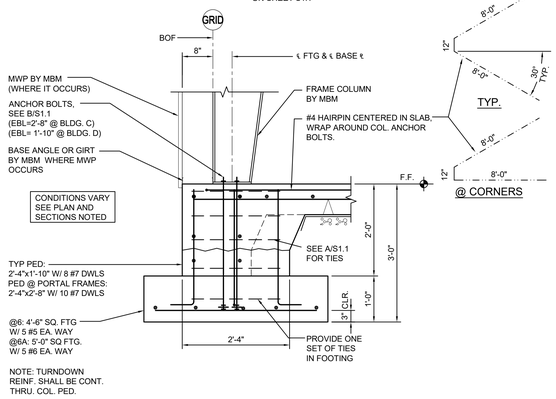
4 S3.2 EXTERIOR DOOR @ BUILDING D
3/4=1'-0"



5 S3.2 TIE-BEAM CONNECTOR ROD
3/4=1'-0"

MAX. ALLOW. REACTIONS (VERIFY W/ BLDG. MANUF.)			
GRIDS	Pd	Pu	H
D1-DA,D1-DC, D3-DA,D3-DC	8	3	3
CA-C1, CA-C4, CC-C1, CC-C4	15	6	4
DA-D2,DC-D2	15	4	6

SEE MAXIMUM REACTION NOTE ON SHEET S1.1

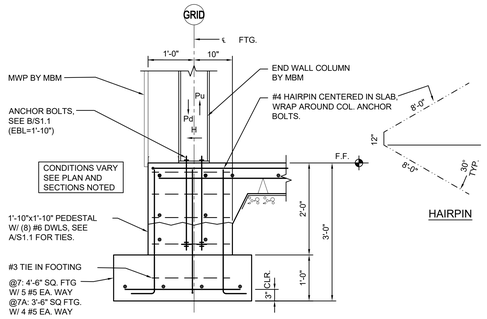


6 S3.2 TYP. FRAME COLUMN W/ HAIRPIN REINF. (UNO) @ BUILDING C
3/4=1'-0"

6A S3.2 TYP. FRAME COLUMN W/ HAIRPIN REINF. (UNO) @ BUILDING D
3/4=1'-0"

MAX. ALLOW. REACTIONS (VERIFY W/ BLDG. MANUF.)			
GRIDS	Pd	Pu	H
CA-C2,CA-C3, CC-C2,CC-C3	22	7	4
DB-D1,DB-D3	10	4	2

SEE MAXIMUM REACTION NOTE ON SHEET S1.1

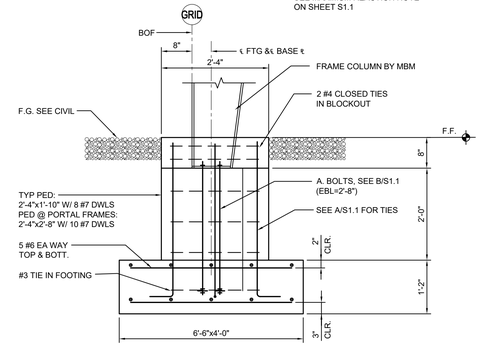


7 S3.2 TYP. ENDWALL COLUMN W/ HAIRPIN REINF. (UNO) @ BUILDING C
3/4=1'-0"

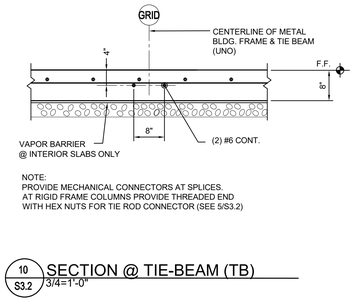
7A S3.2 TYP. ENDWALL COLUMN W/ HAIRPIN REINF. (UNO) @ BUILDING D
3/4=1'-0"

MAX. ALLOW. REACTIONS (VERIFY W/ BLDG. MANUF.)		
Pd	Pu	H
15	4	6

SEE MAXIMUM REACTION NOTE ON SHEET S1.1



8 S3.2 TYP. EXTERIOR FRAME COLUMN @ BUILDING D
3/4=1'-0"

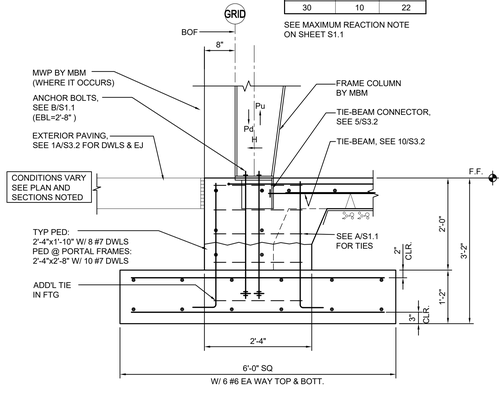


NOTE:
PROVIDE MECHANICAL CONNECTORS AT SPLICES.
AT RIGID FRAME COLUMNS PROVIDE THREADED END WITH HEX NUTS FOR TIE ROD CONNECTOR (SEE 5/S3.2)

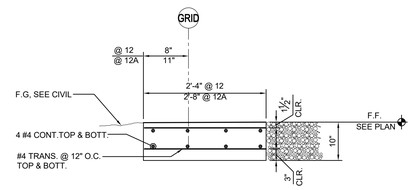
10 S3.2 SECTION @ TIE-BEAM (TB)
3/4=1'-0"

MAX. ALLOW. REACTIONS (VERIFY W/ BLDG. MANUF.)		
Pd	Pu	H
30	10	22

SEE MAXIMUM REACTION NOTE ON SHEET S1.1



11 S3.2 FRAME COL. FTG. @ BUILDING C W/ TIE-BEAM
3/4=1'-0"



NOTE: AT EA. END PROVIDE ½" EXPANSION JOINT MATERIAL BETWEEN PEDESTAL AND SLAB SHOWN THIS DETAIL. HOLD REINF. 2" CLR. OF EJ.

12 S3.2 SECTION @ PERIMETER CONCRETE SLAB @ BUILDING D SIDEWALLS
3/4=1'-0"

12A S3.2 SECTION @ PERIMETER CONCRETE SLAB @ BUILDING D ENDWALLS
3/4=1'-0"

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No. 133
ARKANSAS ENGINEER

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11242
CHRISTOPHER L. GANGLUFF
08-16-2024

DATE: 2024-08-16
PROJECT NO: 22033
DRAWN BY: GGGAE
REV:

S3.2

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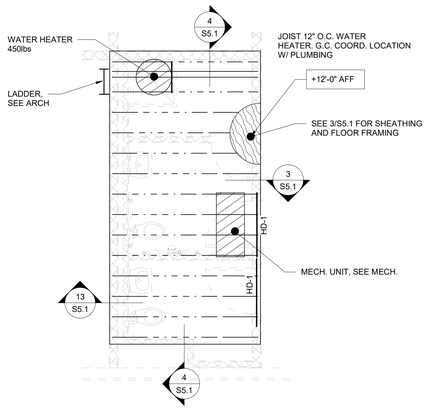
Phone: 501.224.7070

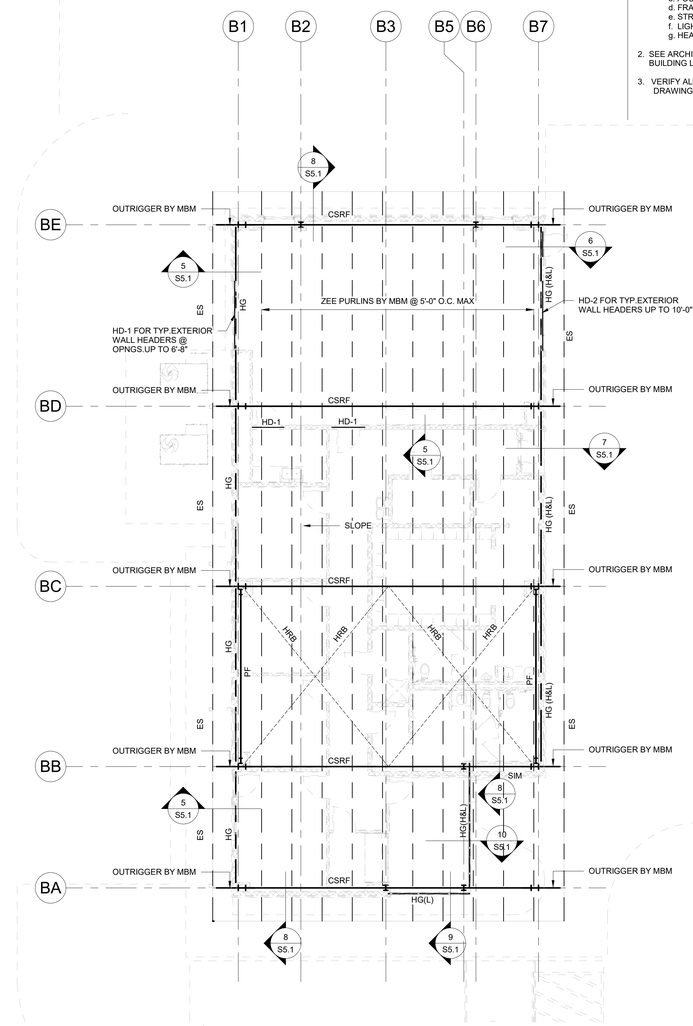
224028



3 S4.1 FRAMING PLAN @ MECH. PLATFORM
1/4" = 1'-0"

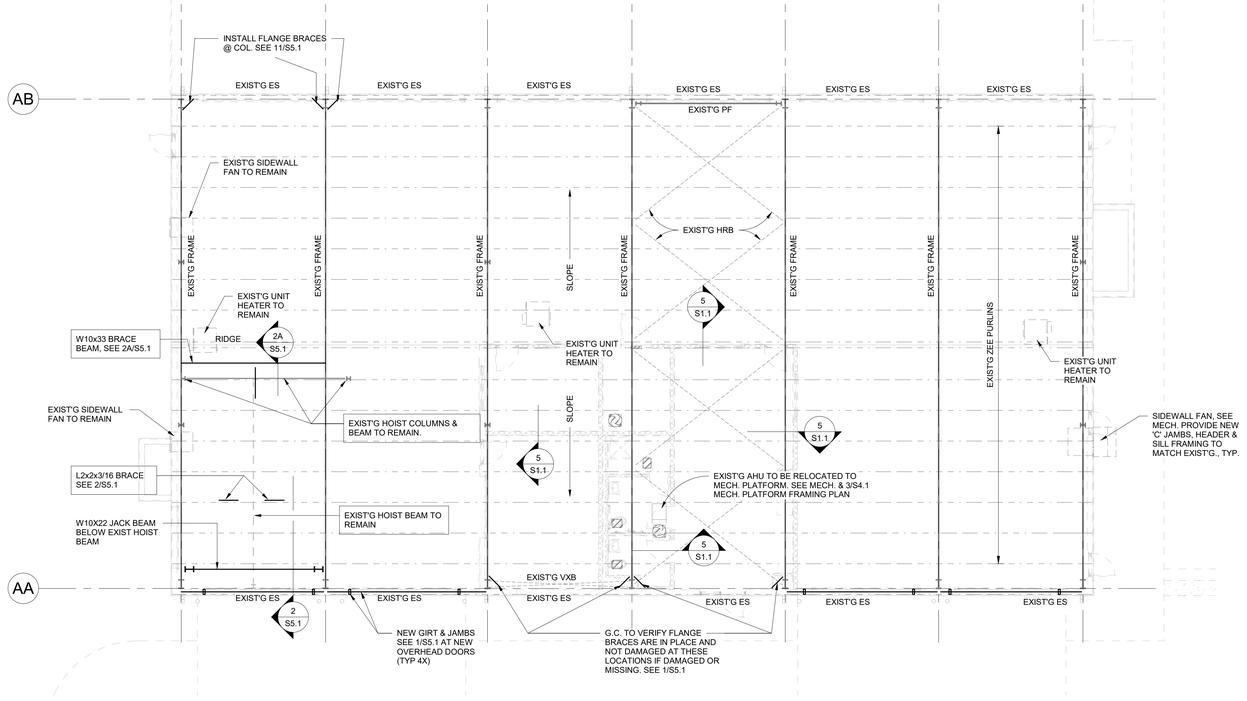
PLAN NOTES

1. SEE S1.1 FOR:
   a. BUILDING DESIGN LOADS
   b. CONCRETE NOTES
   c. FOUNDATION NOTES
   d. FRAMING NOTES
   e. STRUCTURAL LEGEND
   f. LIGHT GAGE FRAMING NOTES
   g. HEADER SCHEDULE
2. SEE ARCHITECTURAL DRAWINGS FOR OVERALL BUILDING LAYOUT DIMENSIONS
3. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS



NORTH

2 S4.1 ROOF FRAMING PLAN - BUILDING B
1/8" = 1'-0"



NORTH

1 S4.1 ROOF FRAMING PLAN - BUILDING A
1/8" = 1'-0"

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ROOF FRAMING PLANS
- BUILDING A & B

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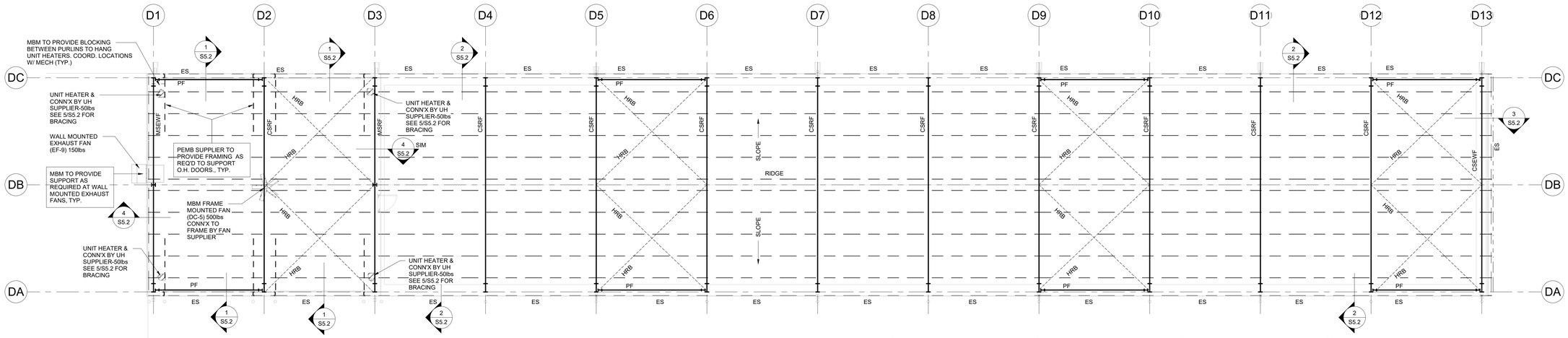
No. 11242
RANDY L. GANGLUFF
08-16-2024

DATE: 2024-08-16
PROJECT NO: 22033
DRAWN BY: GGGAE
REV:

S4.1



NORTH

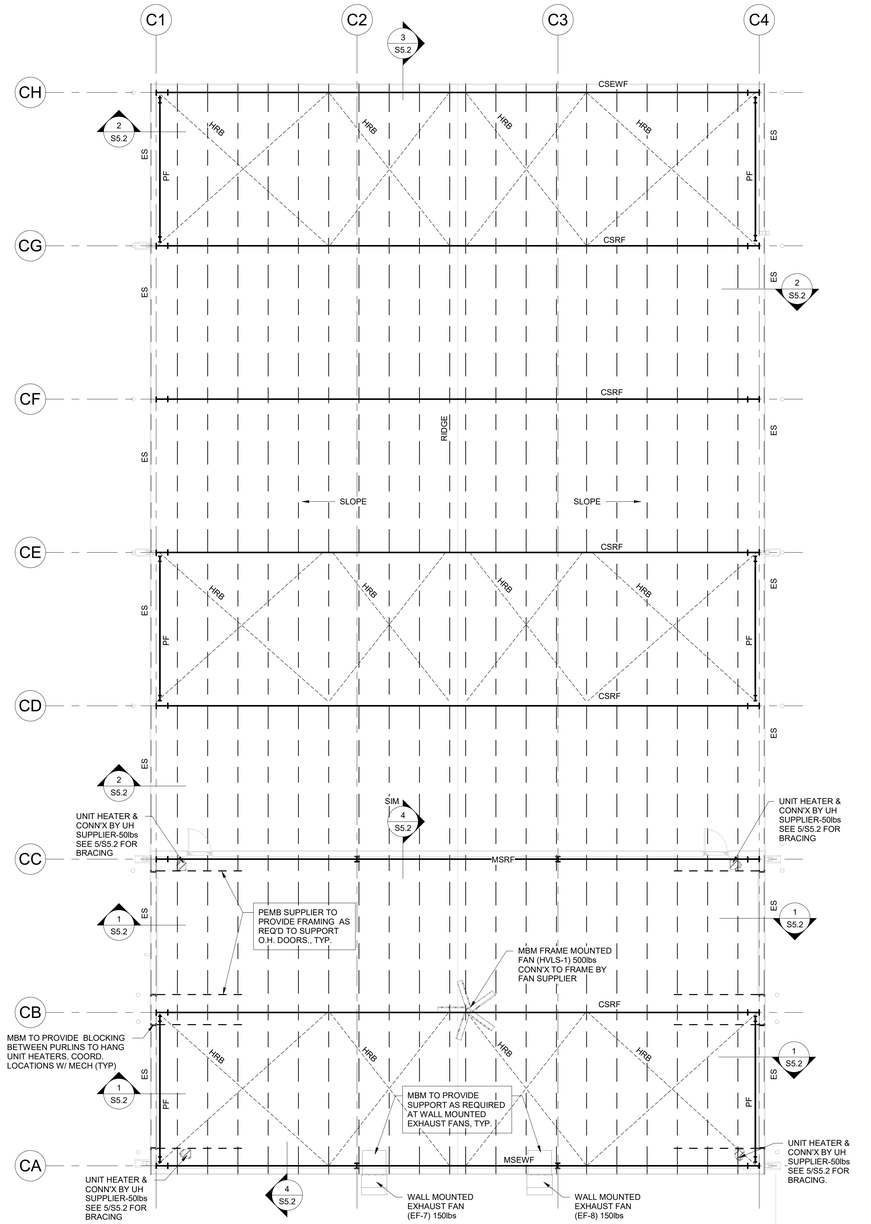
ROOF FRAMING PLAN - BUILDING D

1/8" = 1'-0"

DEDUCTIVE ALTERNATE NOTE:
BUILDING C & D ARE TO BE OMITTED
REFER TO SPECIFICATIONS

PLAN NOTES

1. SEE S1.1 FOR:
   a. BUILDING DESIGN LOADS
   b. CONCRETE NOTES
   c. FOUNDATION NOTES
   d. FRAMING NOTES
   e. STRUCTURAL LEGEND
   f. LIGHT GAGE FRAMING NOTES
   g. HEADER SCHEDULE
2. SEE ARCHITECTURAL DRAWINGS FOR OVERALL BUILDING LAYOUT DIMENSIONS
3. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS



NORTH

ROOF FRAMING PLAN - BUILDING C

1/8" = 1'-0"

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ROOF FRAMING PLANS
- BUILDING C & D

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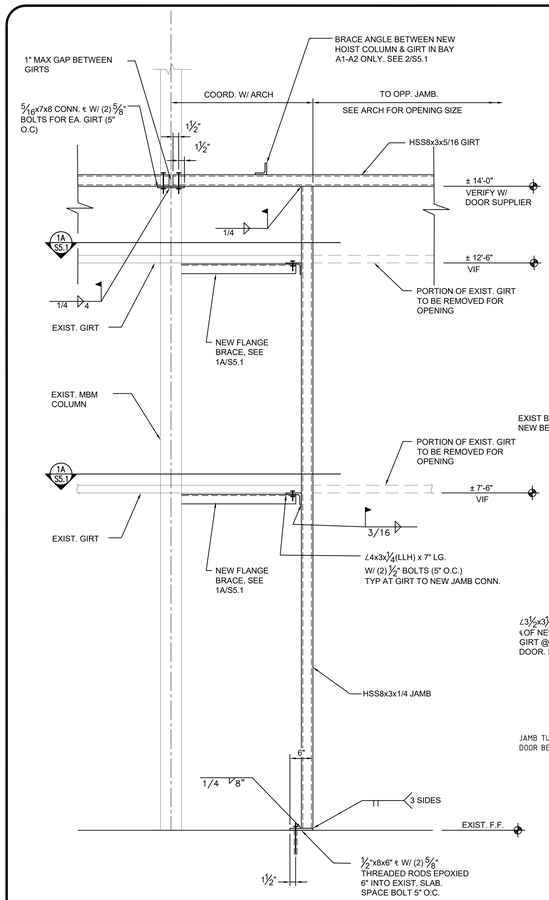
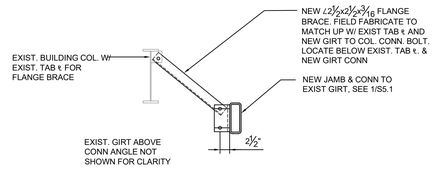
RANDY L. GANGLIFF
08-16-2024

DATE: 2024-08-16
PROJECT NO: 22033
DRAWN BY: GGGAE
REV:

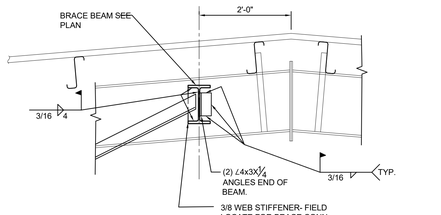
S4.2



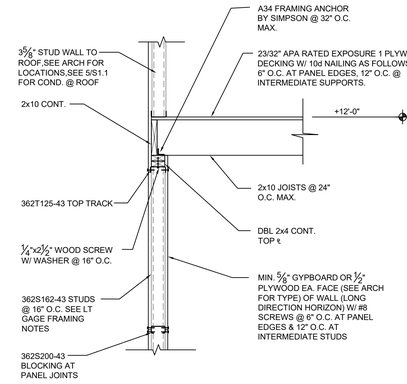
1 S5.1 ELEVATION AT NEW DOOR JAMB
3/4=1'-0" @ BUILDING A



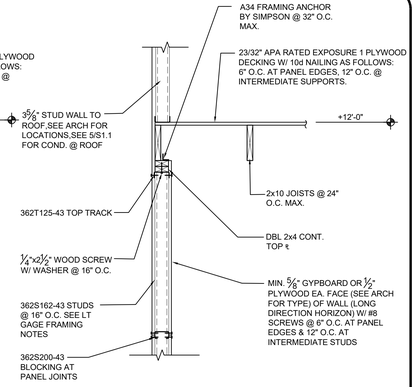
1A S5.1 FLANGE BRACE @ NEW JAMB
3/4=1'-0" @ BUILDING A



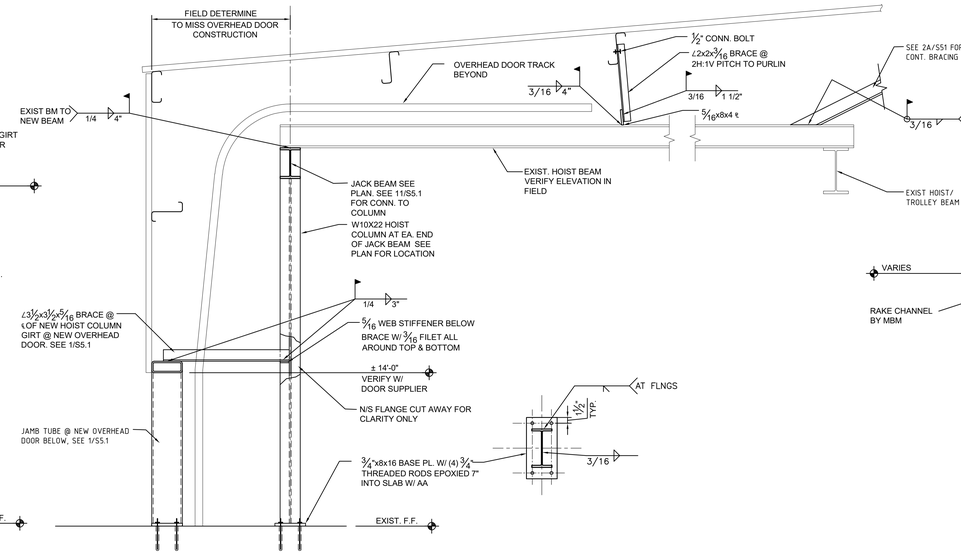
2A S5.1 BRACE BEAM BETWEEN EXIST FRAMES
3/4=1'-0" @ BUILDING A



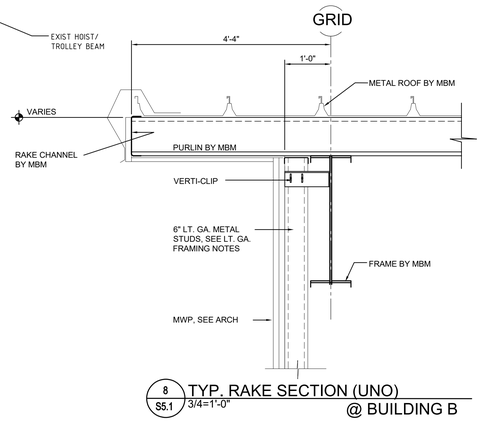
3 S5.1 MEZZANINE SECTION
3/4=1'-0" @ BUILDING A



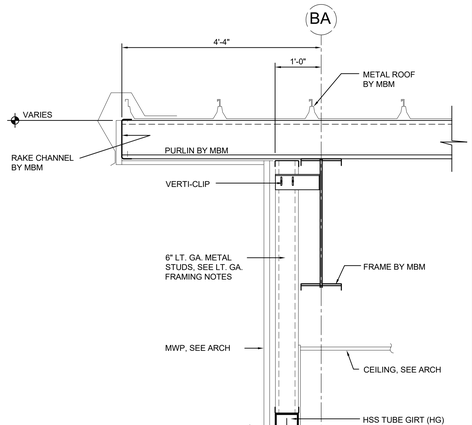
4 S5.1 MEZZANINE SECTION
3/4=1'-0" @ BUILDING A



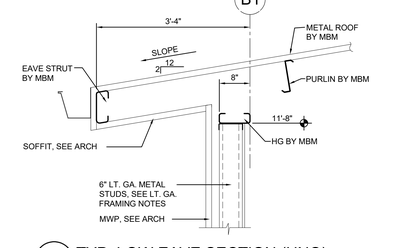
2 S5.1 SECTION AT EXIST HOIST BEAMS
3/4=1'-0" @ BUILDING A



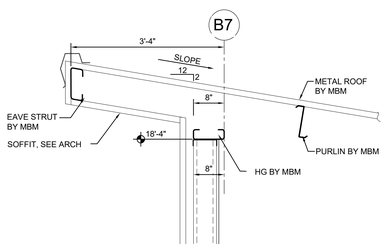
8 S5.1 TYP. RAKE SECTION (UNO)
3/4=1'-0" @ BUILDING B



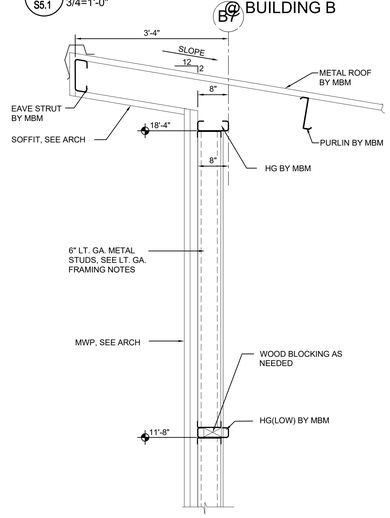
9 S5.1 RAKE SECTION ALONG STOREFRONT
3/4=1'-0" @ BUILDING B



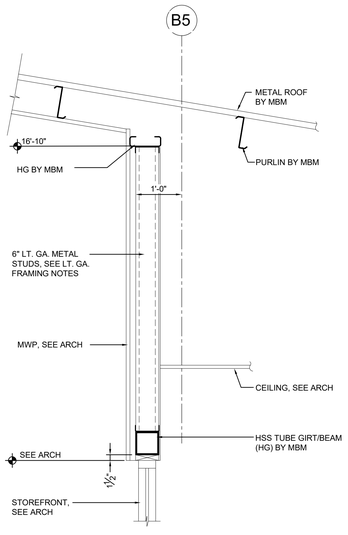
5 S5.1 TYP. LOW EAVE SECTION (UNO)
3/4=1'-0" @ BUILDING B



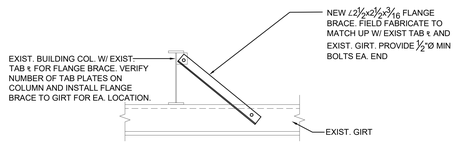
7 S5.1 HIGH EAVE SECTION @ RECESSED ENTRY
3/4=1'-0" @ BUILDING B



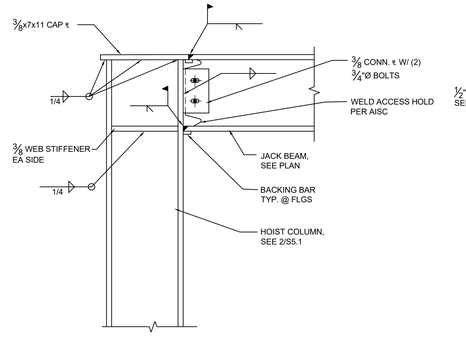
6 S5.1 TYP. HIGH EAVE SECTION (UNO)
3/4=1'-0" @ BUILDING B



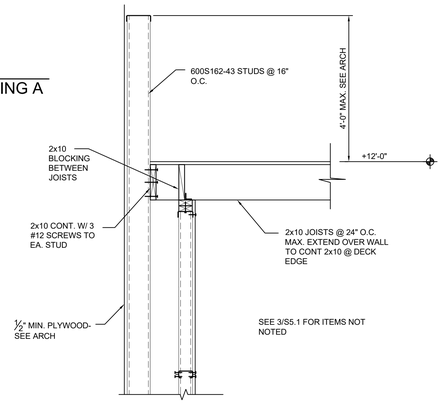
10 S5.1 SECTION ALONG RECESSED STOREFRONT
3/4=1'-0" @ BUILDING B



12 S5.1 COL. FLG. BRACE TO REPLACE EXIST DAMAGED OR MISSING FLANGE BRACES- BUILDING A
3/4=1'-0"



11 S5.1 JACK BEAM TO COL. CONN.
3/4=1'-0" BUILDING A



13 S5.1 MEZZANINE SECTION
3/4=1'-0" @ BUILDING A

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STATE OF ARKANSAS — REGISTERED PROFESSIONAL ENGINEER — No. 11242 — RANDY L. GANGLUFF — 08-16-2024

DATE: 2024-08-16
PROJECT NO: 22033
DRAWN BY: GGGAE
REV:

GREESON GATLIN GANGLUFF & ASSOCIATES ENGINEERS PA
Phone: 501.224.7070

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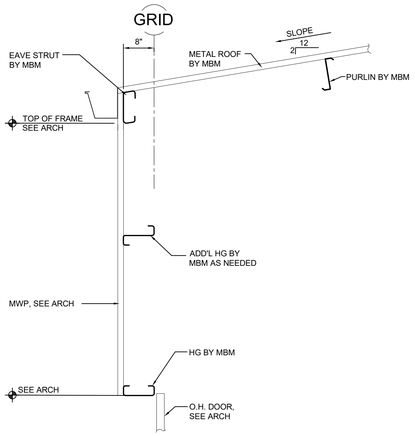
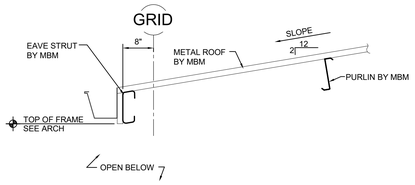
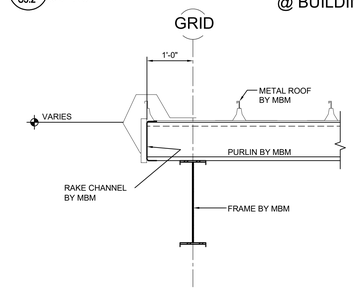
S5.1



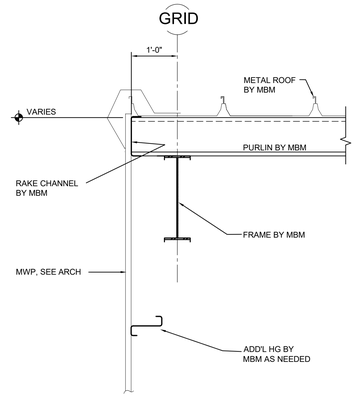
1 S5.2 EAVE SECTION @ O.H. DOORS
3/4=1'-0"
@ BUILDING C & D



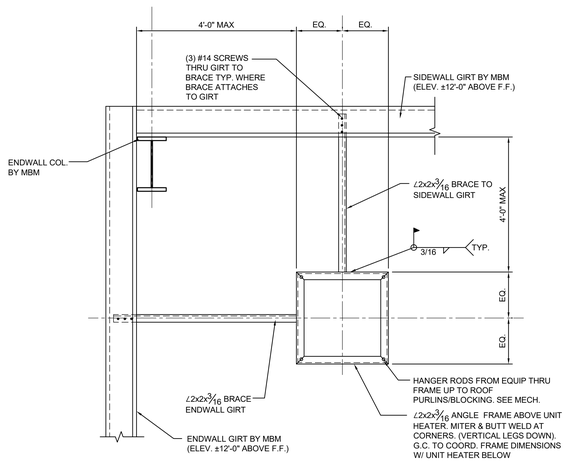
2 S5.2 TYP. EAVE SECTION @ DRIVE THRU (UNO)
3/4=1'-0"
@ BUILDING C & D



3 S5.2 TYP. RAKE SECTION @ DRIVE THRU (UNO)
3/4=1'-0"
@ BUILDING C & D



4 S5.2 RAKE SECTION @ EXT. WALL W/ MWP
3/4=1'-0"
@ BUILDING C & D



5 S5.2 UNIT HEATER BRACING AT CORNERS
3/4=1'-0"
@ BUILDING C & D

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STATE OF ARKANSAS
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No. 11242
JIMMY L. GANGLUFF
08-16-2024

DATE: 2024-08-16
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DRAWN BY: GGGAE
REV:

GREESON GATLIN GANGLUFF & ASSOCIATES ENGINEERS PA
Phone: 501.224.7070

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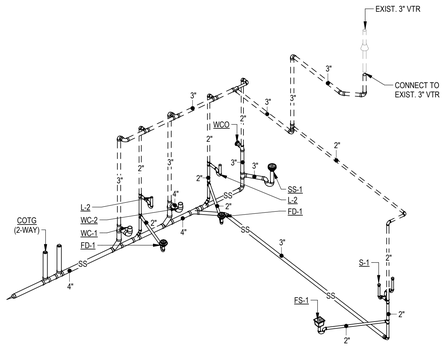
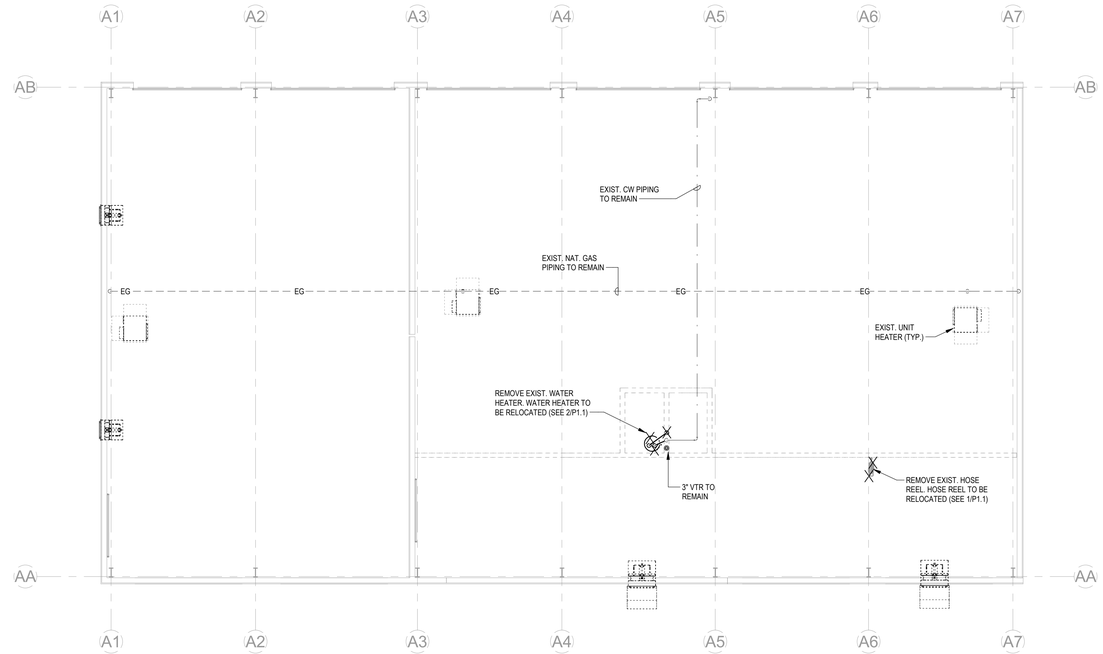
S5.2

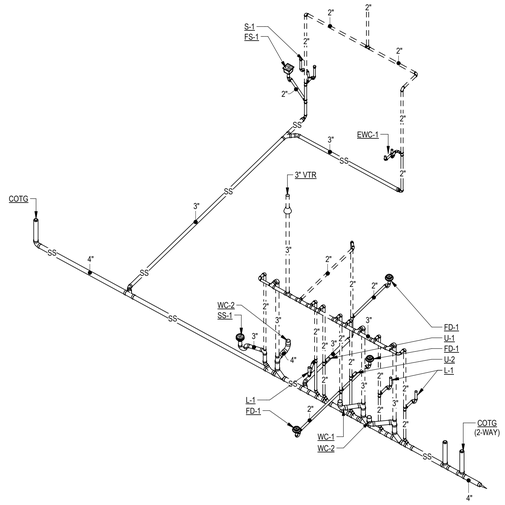


3 P1.0 SANITARY SEWER/VENT RISER DIAGRAM - BUILDING A

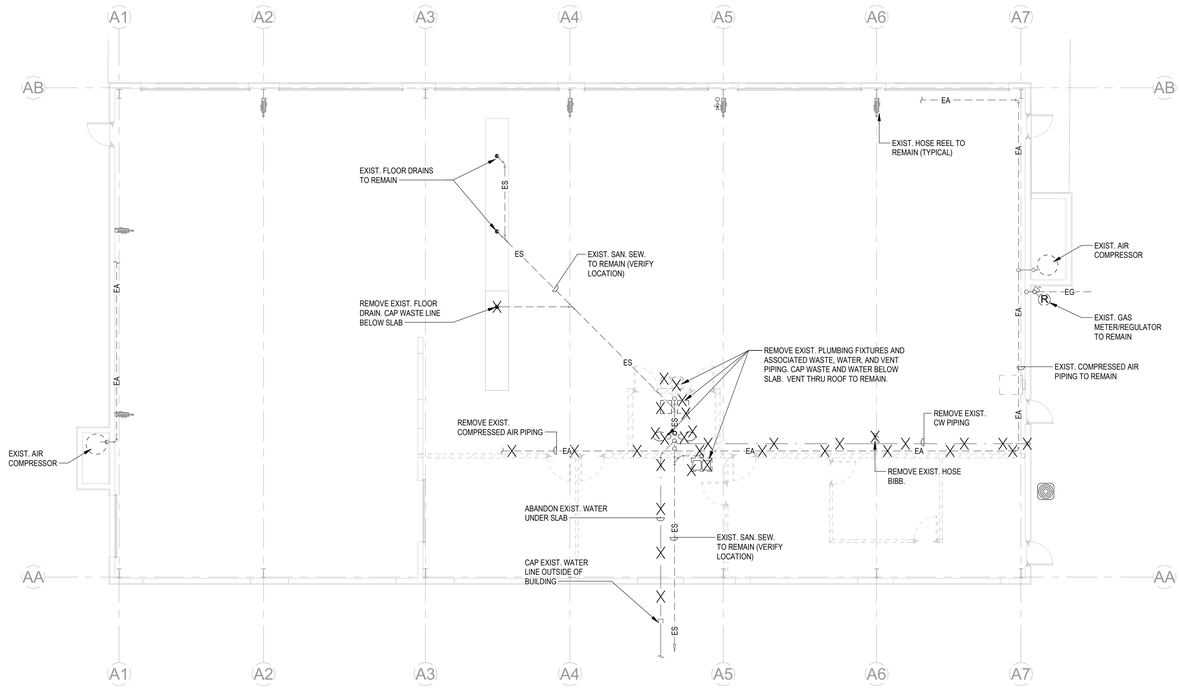


NORTH 2 P1.0 FLOOR PLAN - BUILDING A - MEZZANINE - PLUMBING DEMO

1/8" = 1'-0" 0 4' 8' 16'



4 P1.0 SANITARY SEWER/VENT RISER DIAGRAM - BUILDING B



NORTH 1 P1.0 FLOOR PLAN - BUILDING A - PLUMBING DEMO

1/8" = 1'-0" 0 4' 8' 16'

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FLOOR PLAN - BUILDING A - PLUMBING DEMO

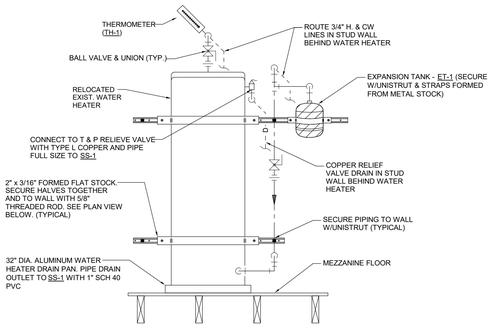
PUBLIC WORKS ADDITIONS
CITY OF PARAGOULD
PARAGOULD, AR

CERTIFICATE OF AUTHORIZATION LEWIS ARCHITECTS ENGINEERS No. 186 ARKANSAS ENGINEER

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No.7612 RANDALL M. ROSENBAUM

DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY: KS
REV:

P1.0

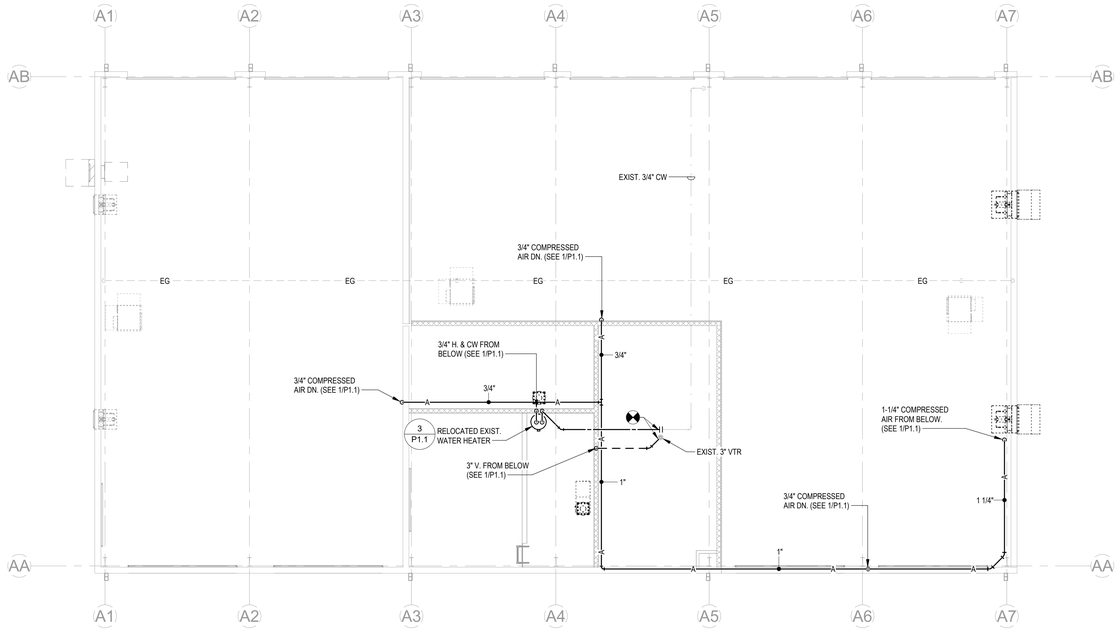


3 / P1.1 ELECTRIC WATER HEATER DETAIL (EXIST. RELOCATED)

NOT TO SCALE

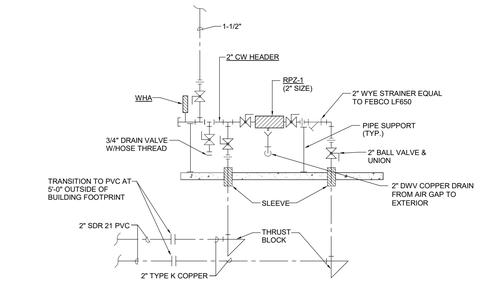
KEYED NOTES:

1. 1/2" H. & CW DN.
2. 3/4" H. & CW DN.
3. 1/2" HW DN.
4. 2" CW DN. TO 2" CW HEADER IN CHASE
5. PROVIDE 2" BALL VALVE & UNION BEHIND LOCKABLE METAL ACCESS PANEL
6. 1/2" CW DN. TO 1/2"I.P.S.x3/8"O.D. STOP AT 1'-6" A.F.F. FOR CONNECTION TO ICE MACHINE
7. STUB OUT 1" SCH 40 PVC AT 7'-0" A.F.F. FOR CONNECTION TO HVAC CONDENSATE. COORDINATE WITH HVAC.
8. 3/4" HW DN. TO 3/4" HW HEADER IN CHASE.
9. 2" V. UP TO 2" VTR
10. 3" V. UP TO 3" VTR
11. 1-1/4" CW DN.
12. 1/2" CW DN. TO 1/2"I.P.S. x 3/8"O.D. STOP AT 48" A.F.F. FOR CONNECTION TO ICE MACHINE
13. 3/4" H. & CW UP TO WATER HEATER ON MEZZANINE (SEE 2/P1.1)
14. SECURE EXPOSED PORTION OF 1-1/2" CW LINE IN TOOLS 107 TO WALL AT 10'-6" A.F.F. WITH UNISTRUT AND PIPE STRAPS



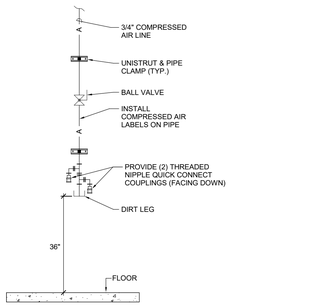
NORTH 2 / P1.1 FLOOR PLAN - BUILDING A - MEZZANINE - PLUMBING

1/8" = 1'-0" (0, 4', 8', 16')



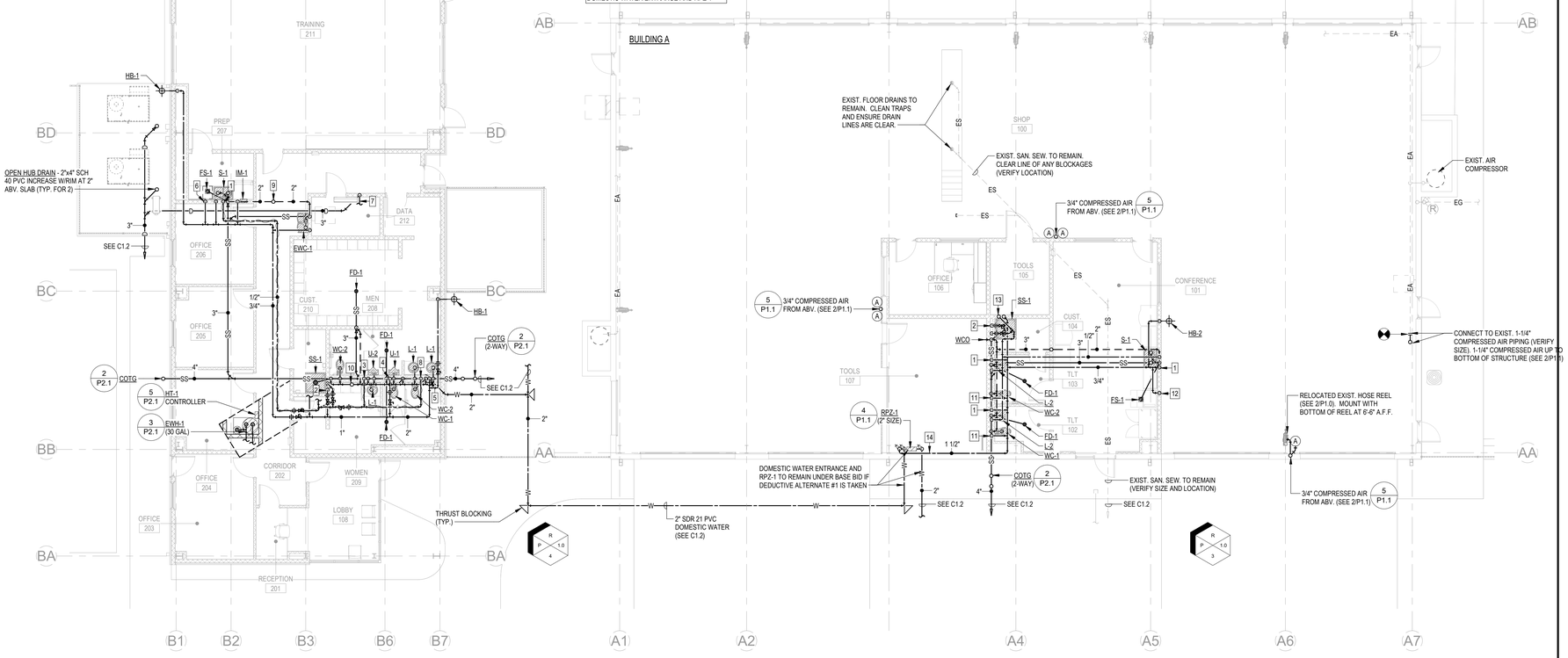
4 / P1.1 DOMESTIC WATER ENTRANCE DETAIL

NOT TO SCALE



5 / P1.1 COMPRESSED AIR DROP DETAIL

NOT TO SCALE



NORTH 1 / P1.1 FLOOR PLAN - BUILDINGS A & B - PLUMBING

1/8" = 1'-0" (0, 4', 8', 16')

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FLOOR PLAN - BUILDINGS A & B - PLUMBING

PUBLIC WORKS ADDITIONS

CITY OF PARAGOULD
PARAGOULD, AR

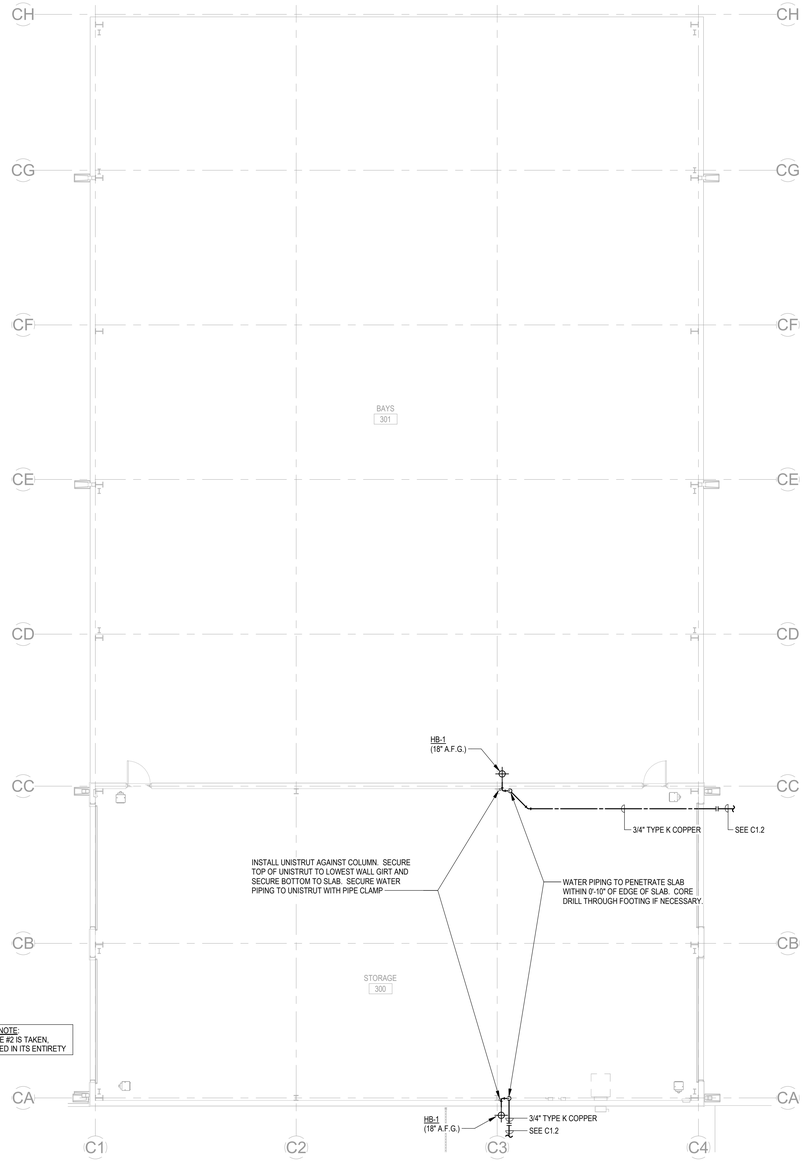
CERTIFICATE OF AUTHORIZATION
LEWIS ARCHITECTS ENGINEERS
No. 186
ARKANSAS ENGINEER

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No.7612
RANDALL M. RAGSDALE

DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY: KS
REV:

P1.1

2 OF 4

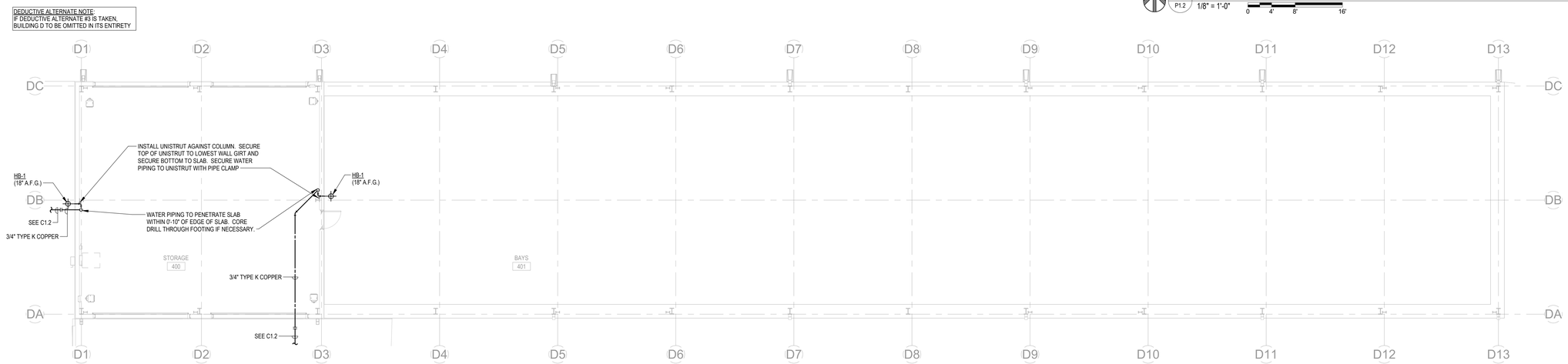


NORTH

1 P1.2 FLOOR PLAN - BUILDING C - PLUMBING

1/8" = 1'-0"

0 4' 8' 16'



NORTH

2 P1.2 FLOOR PLAN - BUILDING D - PLUMBING

1/8" = 1'-0"

0 4' 8' 16'

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FLOOR PLANS - BUILDINGS C & D - PLUMBING

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DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY: KS
REV:

P1.2

PLUMBING GENERAL NOTES

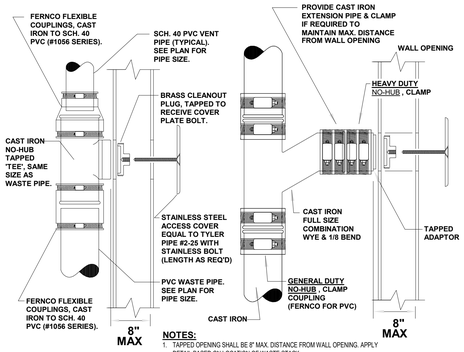
1. CONTRACTOR TO FURNISH AND INSTALL:
   a. SHUT-OFF VALVES ON ALL WATER AND GAS LINES PER SPECIFICATIONS.
   b. SHOCK ABSORBERS FOR SNAP-ACTION VALVES.
   c. ALL VALVES, TRIM AND TRAPS NECESSARY TO CONNECT OUTLETS PROPERLY.
2. CONTRACTOR TO INSURE THAT ALL LINES ARE FLUSHED FREE OF FOREIGN MATTER BEFORE MAKING FINAL CONNECTIONS.
3. ALL PIPES AND RELATED ROUGH-IN MATERIAL ARE TO BE RUN UNEXPOSED UNDER FLOORS, IN WALLS AND ABOVE FINISHED CEILINGS WHERE POSSIBLE UNLESS NOTED OTHERWISE IN SPECIFICATIONS OR DRAWINGS.
4. ROUGH-IN FOR FLUSH VALVES SHALL BE ON THE RIGHT-HAND SIDE OF THE FIXTURE (ALL BARRIER-FREE WATER CLOSETS SHALL BE ROUGHED-IN FOR FLUSH VALVE HANDLE OR TANK TRIP LEVER ON LAVATORY SIDE OR TOP HANDLE OR TRIP LEVER OPPOSITE SIDE WALL WITH GRAB BAR, AS APPLIES). ROUGH-IN FOR LAVATORIES AND SINKS SHALL BE ON THE RIGHT FOR COLD AND THE LEFT FOR HOT.
   NOTE: INSTALL FLUSH VALVES PLUMB IN BOTH DIRECTIONS WITH ESCUTCHEONS SECURE AND TIGHT TO WALL.
5. ALL WATER PIPING INSTALLED IN THE ATTIC SPACE SHALL BE ROUTED BELOW LAY-IN CEILING INSULATION. IN AREAS WHERE CEILING INSULATION IS NOT INSTALLED THE MAXIMUM HEIGHT FOR WATER LINES SHALL BE 1'-0" ABOVE FINISH CEILING.
6. COORDINATE ALL VENTS THROUGH ROOF WITH ROOFING CONTRACTOR.
7. PROVIDE DIRT LEG, GAS COCK AND UNION AT ALL FINAL CONNECTIONS TO EQUIPMENT. 3/4" MINIMUM SIZE UNO.
8. WHERE SEMI-RIGID GAS CONNECTORS ARE USED TO SERVE MOTOR OPERATED APPLIANCES, A RUBBER GROMMET SHALL BE INSTALLED IN THE APPLIANCE KNOCK-OUT-PLUG.
9. DUE TO THE SMALL SCALE OF THESE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS AND ACCESSORIES WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING THE WORK AND SHALL COORDINATE AND ARRANGE HIS WORK ACCORDINGLY.
10. CONTRACTOR SHALL FIRESTOP PER SPECIFICATIONS ALL GAS, WATER, SOIL AND VENT PIPING THAT PENETRATE ANY RATED WALLS. VERIFY FIRE RATED WALL LOCATIONS WITH ARCHITECTURAL PLANS.
11. CONTRACTOR SHALL COORDINATE WITH ELEC. CONTRACTOR AND AVOID ANY WATER LINE INSTALLATION ABOVE ELECTRIC GEAR AND/OR APPARATUS.
12. PROVIDE VALVE IDENTIFICATION LEGENDS PER PLANS AND SPECIFICATIONS.
13. MAINTAIN 10'-0" CLEARANCE FROM FRESH AIR INTAKES (SEE HVAC PLANS). OFFSET VENTS THRU ROOF AS REQUIRED.
14. CONTRACTOR SHALL ENDEAVOR TO INSTALL BELOW SLAB SANITARY AND ACID WASTE PIPING (WHERE APPLICABLE) BELOW THE BOTTOM OF FOOTINGS, GRADE BEAMS, ETC. SLEEVE ALL LINES ROUTED THRU FOOTINGS, STEM WALLS AND GRADE BEAMS. COORDINATE WITH STRUCTURAL ENGINEER FOR PREFERRED LOCATIONS.
15. AT CHASES INSTALL FULL SIZE COLD WATER HEADERS WITH FULL SIZE AIR CHAMBERS. SEE PLANS FOR SIZES AND AIR CHAMBER LOCATIONS.
16. SLEEVE AND FOAM SEAL ALL GAS LINE PENETRATIONS THRU EXTERIOR WALL. TRIM OFF EXCESS FOAM SEALANT AND PAINT TO MATCH BUILDING BRICK OR EXTERIOR FINISH.
17. PAINT ALL EXPOSED SANITARY SEWER, VENT, WATER AND GAS PIPING, INTERIOR AND EXTERIOR.
18. WHERE PIPES PENETRATE CEILING IN FINISHED SPACES THE CONTRACTOR SHALL COORDINATE WITH CEILING INSTALLER AND PROVIDE PAINTED ESCUTCHEONS SIZED APPROPRIATELY FOR PIPE INSULATION (IF ANY).
19. SLEEVE ALL GAS LINES UNDER CONCRETE WALKS, PADS AND SLABS.
20. CONTRACTOR SHALL PROVIDE PHOTOS OF ALL UNDERGROUND PLUMBING TO ARCHITECT AND OWNER. AS-BUILTS SHALL CLEARLY INDICATE ALL CLEANOUTS.

PLUMBING LEGEND

- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- HOT WATER WITH ELECTRIC HEAT TRACE
- DOMESTIC HOT WATER RETURN
- W — COLD WATER BELOW SLAB OR GRADE
- EW — EXISTING WATER
- G — NATURAL GAS PIPING
- EG — EXISTING GAS PIPING
- SS — SANITARY SEWER PIPING BELOW SLAB OR GRADE
- ES — EXISTING SEWER PIPING
- A — COMPRESSED AIR PIPING
- EA — EXISTING COMPRESSED AIR PIPING
- D — CONDENSATE DRAIN PIPING
- SANITARY VENT PIPING
- PRESSURE REDUCING/REGULATING VALVE
- GATE VALVE / BALL VALVE / CHECK VALVE / UNION
- HOSE BIBB (HB) / WATER SHUT-OFF VALVE IN BOX
- GAS COCK / GAS REGULATOR
- PIPE SLEEVE THRU RATED WALL OR FOOTING
- CONNECT TO EXISTING
- RISER DIAGRAM
- LOCATION SHEET NUMBER
- RISER DIAGRAM NUMBER
- DETAIL (PLAN) REFERENCE NUMBER
- LOCATION SHEET NUMBER
- KEYED NOTE

ABBREVIATIONS

CW	COLD WATER	SIM.	SIMILAR
HW	HOT WATER	HWR	HOT WATER RETURN (RECIRC.)
BV	BALL VALVE	EXIST.	EXISTING
GV	GATE VALVE	MPG	MEDIUM PRESSURE GAS
GC	GAS COCK	F.U.	FIXTURE UNIT
COTG.	CLEANOUT TO GRADE	DWV	DRAIN WASTE AND VENT SYSTEM
FCO.	FLOOR CLEANOUT	FL	FLOWLINE
WCO.	WALL CLEANOUT	INV.	INVERT
VTR	VENT THRU ROOF	AFF.	ABOVE FINISHED FLOOR
UNO	UNLESS NOTED OTHERWISE	AFG.	ABOVE FINISHED GRADE
N.I.C.	NOT IN CONTRACT	CFH	CUBIC FEET PER HOUR
		AAV.	AIR ADMITTANCE VALVE

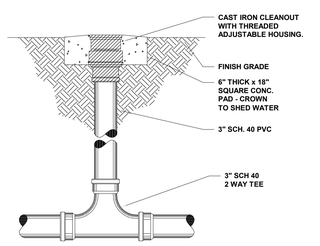


NOTES:
1. TAPPED OPENING SHALL BE 8" MAX. DISTANCE FROM WALL OPENING. APPLY DETAIL BASED ON LOCATION OF WASTE STACK.
2. TAPPED TEE OR WYE BEND SHALL REMAIN CAST IRON EVEN IF PVC WASTE PIPING IS SPECIFIED. CONNECT PVC TO CAST IRON WITH FERNCO AS SHOWN.

1 / P2.1 WALL CLEANOUT DETAIL
NOT TO SCALE

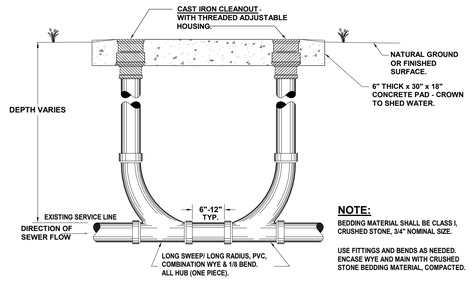
PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	WASTE	H.W.	C.W.	REMARKS
WC-1	WATER CLOSET	4"	---	1"	FLOOR MOUNTED SENSOR FLUSH VALVE
WC-2	WATER CLOSET, BARRIER FREE	4"	---	1"	FLOOR MOUNTED SENSOR FLUSH VALVE
U-1	URINAL	2"	---	3/4"	20" AFF TOP OF RIM, SENSOR FLUSH VALVE
U-2	URINAL, BARRIER FREE	2"	---	3/4"	17" AFF TOP OF RIM, SENSOR FLUSH VALVE
L-1	LAVATORY, BARRIER FREE	2"	1/2"	1/2"	OVAL, COUNTER MOUNTED WITH TEMPERING VALVE
L-2	LAVATORY, BARRIER FREE	2"	1/2"	1/2"	WALL MOUNTED, PROVIDE WITH TEMPERING VALVE, 34" AFF TOP OF APRON.
SS-1	SERVICE SINK, CORNER STYLE MOP BASIN	3"	3/4"	3/4"	FLOOR MOUNTED, 36" x 36" x 12" FULLY SQUARE TYPE.
S-1	SINK, BARRIER FREE	2"	1/2"	1/2"	2 COMPARTMENT, REAR OUTLETS, 6-1/2" DEEP
FD-1	FLOOR DRAIN, 2" DEEP-SEAL P-TRAP	2"	---	---	6" NICKEL BRONZE STRAINER, W/TRAP GUARD DEVICE
FS-1	FLOOR SINK, 2" DEEP-SEAL P-TRAP	2"	---	---	8" x 8", 3/4 NICKEL BRONZE GRATE
HB-1	EXTERIOR HOSE BIBB	---	---	3/4"	18" ABOVE FINISH GRADE (AFG.)
HB-2	INTERIOR HOSE BIBB	---	---	3/4"	18" AFF.
EWC-1	ELECTRIC WATER COOLER	2"	---	1/2"	SPLIT-LEVEL, BARRIER FREE W/BOTTLE FILLER
RPZ-1	REDUCED PRESSURE BACKFLOW PREVENTER	---	---	2"	INSTALL 36" AFF., PIPE DRAIN FROM AIR GAP TO BLDG. EXTERIOR
IM-1	ICE MAKER OUTLET BOX	---	---	1/2"	RECESSED, 48" AFF
EWH-1	ELECTRIC WATER HEATER	---	3/4"	3/4"	208 V, 4.5 KW, 30 GALLON CAPACITY
ET-1	EXPANSION TANK	---	---	---	2.3 GALLON ACCEPTANCE
HT-1	HEAT TRACE CABLE	---	---	---	208V, 1Ø, GFCI CIRCUIT



NOTE: THIS DETAIL IS FOR CONDENSATE & STORM DRAIN SYSTEMS ONLY - UNLESS OTHERWISE INDICATED ON DRAWINGS

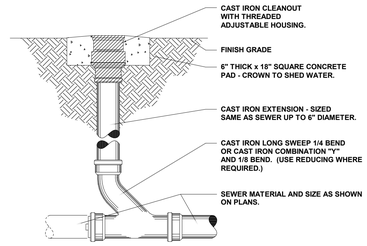
2-WAY (TEE)



NOTE:
BEDDING MATERIAL SHALL BE CLASS I, CRUSHED STONE, 3/4" NOMINAL SIZE.

USE FITTINGS AND BENDS AS NEEDED. ENCASE WYE AND MAIN WITH CRUSHED STONE BEDDING MATERIAL, COMPACTED.

2-WAY DOUBLE WYE



NOTE: FOR PVC SYSTEMS THE CLEANOUT HOUSING SHALL REMAIN CAST IRON.

SINGLE DIRECTION

2 / P2.1 CLEANOUT TO GRADE DETAIL
NOT TO SCALE

PLUMBING SPECIFICATIONS

WC-1 WATER CLOSET - AMERICAN STANDARD "MADERA" #2234.001 1.6GPF SIPHON JET, ELONGATED BOWL, 1-1/2" TOP SPUD, BOLT CAPS, CHURCH #9400SSC SEAT WITH CHECK HINGE, SELF-SUSTAIN FEATURE AND STAINLESS STEEL HINGE POSTS, WITH SLOAN REGAL 111 SFSM-1.6-TMO, 1.6 GPF BATTERY-OPERATED SIDE MOUNT SENSOR FLUSH VALVE WITH TRUE MECHANICAL OVERRIDE BUTTON. TOP OF RIM AT 15" AFF. TOTAL HEIGHT IS 16-1/4" AFF. WITH SEAT.

WC-2 WATER CLOSET (BARRIER FREE) - AMERICAN STANDARD "MADERA" #3043.001 1.6GPF SIPHON JET, ELONGATED BOWL, 1-1/2" TOP SPUD, BOLT CAPS, CHURCH #9400SSC SEAT WITH CHECK HINGE, SELF-SUSTAIN FEATURE AND STAINLESS STEEL HINGE POSTS, WITH SLOAN REGAL 111 SFSM-1.6-TMO, 1.6 GPF BATTERY-OPERATED SIDE MOUNT SENSOR FLUSH VALVE WITH TRUE MECHANICAL OVERRIDE BUTTON. TOP OF RIM AT 16-1/2" AFF. TOTAL HEIGHT IS 17-3/4" AFF. WITH SEAT

U-1 URINAL - AMERICAN STANDARD "WASHBROOK" 6590.001 1.0GPF WASHOUT, 2" IPS OUTLET , 3/4" TOP SPUD, WALL HANGER WITH WALL BOLTS AND BOLT CAPS, SLOAN REGAL 186 SFSM-1.0-TMO, 1.0 GPF BATTERY-OPERATED SIDE MOUNT SENSOR FLUSH VALVE WITH TRUE MECHANICAL OVERRIDE BUTTON. MOUNT LIP AT 20" AFF.

U-2 URINAL, BARRIER FREE - AMERICAN STANDARD "WASHBROOK" 6590.001 1.0GPF WASHOUT, 2" IPS OUTLET, 3/4" TOP SPUD, WALL HANGER WITH WALL BOLTS & BOLT CAPS, SLOAN REGAL 186 SFSM-1.0-TMO, 1.0 GPF BATTERY-OPERATED SIDE MOUNT SENSOR FLUSH VALVE WITH TRUE MECHANICAL OVERRIDE BUTTON. MOUNT LIP AT 17" AFF. (RECOMMENDED BARRIER FREE MOUNTING HEIGHT FOR GRADES 'K' THRU '12' AND THRU ADULT.)

L-1 LAVATORY, BARRIER FREE - AMERICAN STANDARD "AQUALYN" #0476.028 OVAL BOWL, MCGUIRE #155A CAST BRASS SOLID TOP OPEN GRID SINK STRAINER, #2165LK 1/2"I.P.S. x 3/8"O.D. LOOSE KEY STOPS WITH 3/8" O.D. CHROME PLATED RISERS (NOTE: DO NOT USE FLEXIBLE BRAIDED SUPPLY LINES), T & S #B-2711-AM LAVATORY FAUCET WITH SINGLE LEVER ANTI-MICROBIAL HANDLE AND MCGUIRE #8872 - 1-1/4" 17 GA. CHROME PLATED CAST BRASS P-TRAP WITH CLEANOUT. NOTE: PROTECTIVE UNDER-COUNTER SHIELD SHALL BE PROVIDED BY GENERAL CONTRACTOR. VERIFY COUNTER MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS. PROVIDE LEONARD #170-LF-BP ASSE 1070 TEMPERED WATER MIXING VALVE MOUNTED ADJACENT TO SUPPLY STOPS. REFER TO DETAIL ON PLUMBING DRAWINGS.

L-2 LAVATORY, BARRIER FREE - AMERICAN STANDARD "LUCERNE" #0355.012M, 20" X 18" WALL HUNG, MCGUIRE # 155WC OFFSET OPEN GRID DRAIN, #2165LK 1/2"I.P.S. x 3/8"O.D. LOOSE KEY STOPS WITH 3/8" O.D. C.P. RISERS (NOTE: DO NOT USE FLEXIBLE BRAIDED SUPPLY LINES), T & S #B-2711-AM LAVATORY FAUCET WITH SINGLE LEVER ANTI-MICROBIAL HANDLE AND MCGUIRE #8872 - 1-1/4" CAST BRASS P-TRAP WITH CLEAN OUT. PROVIDE WADE #W-610-NR LAVATORY CARRIER AT STUD WALLS. TOP OF SINK APRON AT 34" AFF. PROVIDE LEONARD #170-LF-BP ASSE 1070 TEMPERED WATER MIXING VALVE MOUNTED ADJACENT TO SUPPLY STOPS. REFER TO DETAIL ON PLUMBING DRAWINGS. INSULATE WASTE AND SUPPLIES PER SPECIFICATIONS MANUAL.

SS-1 SERVICE SINK - FLOOR MOUNTED - FIAT #TSB600 36" X 36" X 12"H, WITH 7 & S #B-0665 SERVICE SINK FAUCET WITH LEVER HANDLES AND BUILT IN SCREWDRIVER STOPS, FIAT #1239-BB GUARD, #889-CC MOP HANGER WITH #832-AA HOSE AND BRACKET, #MSG3636 WALL GUARDS FOR CORNER INSTALLATION AND #QDC QUICK DRAIN CONNECTOR. INSTALL FAUCET AT 36" AFF.

S-1 SINK, BARRIER FREE - JUST #DL-ADA-1933-A6S-J, 19-1/2" X 33" X 6-1/2" SIZE TWO COMPARTMENT, REAR SINK OUTLETS, 18 GAUGE TYPE 304 (18-8) NICKEL BEARING STAINLESS STEEL. (2)#J-ADA-35 DRAIN STRAINERS WITH 1-1/2" O.D. OFFSET TAILPIECE(1) WITH DRAIN CONNECTION, AND STAINLESS STEEL CRUMB CUPS, WITH T & S B-1122 SINK FAUCET WITH LEVER HANDLES, WITH 15" SWING NOZZLE, MCGUIRE #2165LK 1/2"I.P.S. x 3/8"O.D. LOOSE KEY STOPS WITH 3/8" O.D. RIGID RISERS AND #8912 - 1-1/2" CAST BRASS P-TRAP WITH CLEANOUT. VERIFY COUNTER MOUNTING HEIGHT WITH ARCHITECTURAL PLANS.

FD-1 FLOOR DRAIN - WADE #W-1100-A6-1-2NH-VP 2" TRAP SIZE, CAST IRON FLOOR DRAIN WITH 6" DIAMETER NICKEL BRONZE STRAINER, FLANGE, INTEGRAL REVERSIBLE CLAMPING COLLAR, SEEPAGE OPENINGS, VANDAL-PROOF SCREWS, 2" DEEP-SEAL TRAP. PROVIDE WITH PRO-SET "TRAP GUARD" #TG22-WADE TRAP SEAL PROTECTOR IN LIEU OF TRAP PRIMER.

FS-1 FLOOR SINK - WADE #W-9110-1-2NH-16-26-6-48 2" TRAP SIZE. CAST IRON FLOOR SINK WITH 3/4 NICKEL BRONZE GRATE. ACID RESISTANT ENAMEL INTERIOR. ALUMINUM DOME STRAINER. SEEPAGE FLANGE. CLAMP DEVICE. 1/2" TRAP PRIMER TAPPED/PLUGGED AND 2" DEEP-SEAL P-TRAP. 8" x 8" TOP FLUSH WITH FINISH FLOOR.

HB-1 HOSE BIBB, EXTERIOR - WATTS #LFFHB-1 FROST-PROOF AUTOMATIC DRAINING WALL HYDRANT WITH VACUUM BREAKER AND 8" SHANK LENGTH. MOUNT AT 1'-6" A.F.G.

HB-2 HOSE BIBB, INTERIOR - ZURN #Z1341XL-C12-PC LEAD FREE ANTI-SIPHON WALL HYDRANT WITH POLISHED CHROME FINISH. MOUNT AT 1'-6" A.F.F.

EWC-1 ELECTRIC WATER COOLER, SPLIT-LEVEL WITH BOTTLE FILLING STATION (LEFT HAND LOW SIDE) - ELKAY LZSTL8WSSKEZH20, 7.8 GPH OF 50°F WATER AT 80°F, 1/5 HP, 120V. INSTALL WITH ONE (1) BUBBLER MTD. AT 36" AFF. AND ONE (1) AT 42" AFF. STAINLESS STEEL FINISH. "FLEX GUARD" STYLE PLASTIC BUBBLERS, MCGUIRE #2165 WHEEL HANDLE STOP. 3/8" FLEXIBLE WATER SUPPLY TUBE AND #8872 - 1-1/4" CAST BRASS P-TRAP WITH CLEANOUT.

RPZ-1 REDUCED PRESSURE BACKFLOW ASSEMBLY- FEBCO LEAD FREE #LF825Y CAST BRONZE BODY 2" SIZE, WITH FULL-PORT Q-TURN BALL VALVES #05A, BRONZE "Y" TYPE STRAINER, AIR GAP FITTING, THREADED END CONNECTIONS. INSTALL IN HORIZONTAL POSITION, 36" AFF., WITH FULL SIZE DRAIN CONNECTED TO RELIEF DISCHARGE AIR GAP FITTING, & PIPE THRU EXTERIOR WALL, 12"AFF.

IM-1 ICE MAKER OUTLET BOX - GUY GRAY #BIM875 WITH 3/8" X 1/4"O.D. OUTLET COMPRESSION ANGLE VALVE WITH WHEEL HANDLE, 1/2" I.P.S. X 3/8" SWEAT CONNECTION.

WHA WATER HAMMER ARRESTOR - PRECISION PLUMBING PRODUCT (PPP) SC SERIES, TYPE K HARD COPPER WITH THREADED BRASS CONNECTION. SIZE TO MATCH INSTALLING LINE SIZE.

AAV AIR ADMITTANCE VALVE - STUDOR NO.20301 "MINI VENT" VENT TERMINAL, 1-1/2" SIZE ABS CONSTRUCTION WITH PVC CONNECTOR, POLYSTYRENE COVER. LOCATE ABOVE CEILING, IN ACCESSIBLE LOCATION. INSTALL IN ACCORDANCE WITH ARKANSAS STATE PLUMBING CODE. ONLY INSTALL AS DIRECTED BY PLANS OR ENGINEER.

EWH-1 ELECTRIC WATER HEATER - A.O. SMITH #DEL-30, 30 GALLON CAPACITY, 4.5 KW, 208V, 1Ø, 12 GALLONS PER HOUR (GPH) RECOVERY AT 100°F RISE, 3 YEAR LIMITED TANK WARRANTY, 125 PSI X RATED RELIEF VALVE, WITH OATEY # 34084 - 2" DEEP X 26"DIA. ALUMINUM DRAIN PAN. REFER TO DETAIL ON PLUMBING DRAWINGS. INSTALL W/ET-1 EXP. TANK.

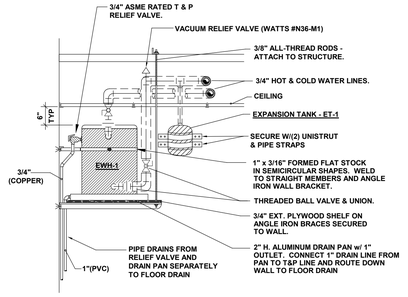
ET-1 EXPANSION TANK - WATTS DETA 5, 3.5 GALLON EXPANSION TANK WITH PRECHARGED (ASME) FIXED BLADDER SUITABLE FOR DOMESTIC POTABLE WATER SYSTEMS, 2.3 GALLONS ACCEPTANCE VOLUME, TOP 3/4" NPT STAINLESS STEEL SYSTEM CONNECTION, 0.301"-32 CHARGING VALVE CONNECTION, 240°F MAXIMUM WORKING TEMPERATURE AND 150 PSIG MAXIMUM WORKING PRESSURE.

HT-1 HEAT TRACE CABLE - RAYCHEM #WHAT-R2, 208V, 1Ø, 500 LINEAR FEET MAX. PER ONE (1) 30A GFI CIRCUIT, 120°F NOMINAL PIPE TEMPERATURE. PROVIDED WITH ONE (1) #WHAT-ECO CONTROLLER PER SYSTEM.

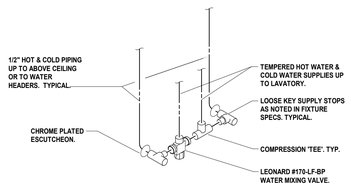
TH-1 THERMOMETER - TRERICE Bx91403, 9" ADJUSTABLE ANGLE INDUSTRIAL THERMOMETER (STEM SHALL BE SUBMERGED IN FLUID)

NOTES:

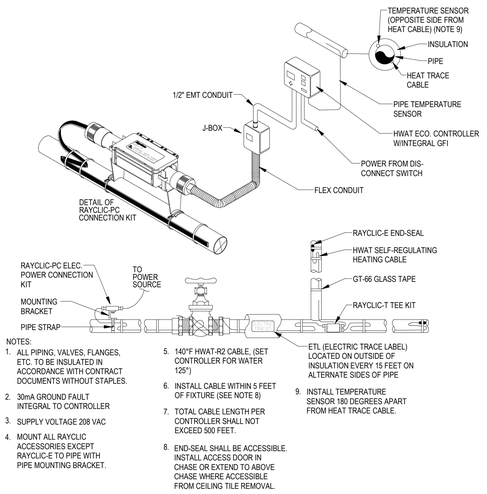
1. THE PLUMBING CONTRACTOR SHALL REVIEW SECTION 1.3 OF THE PLUMBING SPECIFICATIONS AND MAKE SHOP DRAWING SUBMITTALS ACCORDINGLY. SUBMITTAL BROCHURES CONTAINING DATA ON PLUMBING FIXTURES AND THEIR ACCESSORIES ONLY SHALL NOT BE APPROVED.
2. URINALS AS SPECIFIED SHALL HAVE INTEGRAL FLUSHING RIM. KOHLER 'FRESHMAN' AND SLOAN SU-1006 URINALS SHALL BE CONSIDERED EQUAL TO AMERICAN STANDARD 'ALLBROOK'.
3. ALL WATER HEATERS, STORAGE TANKS, ETC. SHALL HAVE BRASS DRAIN VALVES. PLASTIC DRAIN VALVES SHALL NOT BE APPROVED.
4. ALL VITREOUS CHINA FIXTURES SHALL BE OF THE SAME MANUFACTURER. TYPICAL FOR FAUCETS, STOPS, TRAPS, PUMPS, ETC. UNLESS SPECIFIED OTHERWISE.
5. WHERE UNDER-COUNTER PROTECTIVE SHIELD IS PROVIDED BY GENERAL CONTRACTOR THE INSULATION ON THE P-TRAP AND SUPPLY STOPS AT BARRIER FREE LAVATORIES AND SINKS MAY BE OMITTED. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
6. ELECTRIC WATER COOLERS SHALL BE ROUGHED-IN AS CLOSE AS PRACTICAL TO RECOMMENDED STANDARD AND BARRIER FREE MOUNTING HEIGHTS. DUE TO FIXTURE CONSTRUCTION AND PHYSICAL LIMITATIONS BETWEEN BOTTOM OF FIXTURE AND FINISH FLOOR THE MOUNTING HEIGHTS GIVEN SHALL APPLY.



3 / P2.1 ELECTRIC WATER HEATER DETAIL (EWH-1)
NOT TO SCALE



4 / P2.1 TEMPERING VALVE DETAIL
NOT TO SCALE



NOTES:
1. ALL PIPING, VALVES, FLANGES, ETC. TO BE INSULATED IN ACCORDANCE WITH CONTRACT DOCUMENTS WITHOUT STAPLES.
2. 30mA GROUND FAULT INTEGRAL TO CONTROLLER
3. SUPPLY VOLTAGE 208 VAC
4. MOUNT ALL RAYCLIC ACCESSORIES EXCEPT RAYCLIC-E TO PIPE WITH PIPE MOUNTING BRACKET.
5. 140°F HWAT-R2 CABLE. (SET CONTROLLER FOR WATER 125°)
6. INSTALL CABLE WITHIN 5 FEET OF FIXTURE (SEE NOTE 8)
7. TOTAL CABLE LENGTH PER CONTROLLER SHALL NOT EXCEED 500 FEET.
8. END-SEAL SHALL BE ACCESSIBLE. INSTALL ACCESS DOOR IN CHASE OR EXTEND TO ABOVE CHASE WHERE ACCESSIBLE FROM CEILING TILE REMOVAL.
9. INSTALL TEMPERATURE SENSOR 180 DEGREES APART FROM HEAT TRACE CABLE.

5 / P2.1 HEAT TRACE CABLE DETAIL
NOT TO SCALE

LEWIS ARCHITECTS ENGINEERS
ELLIOTT • MCMORRAN • VADEN
RAGSDALE • WOODWARD • INCORPORATED
501 223 9302 • WWW.LEWARW.COM

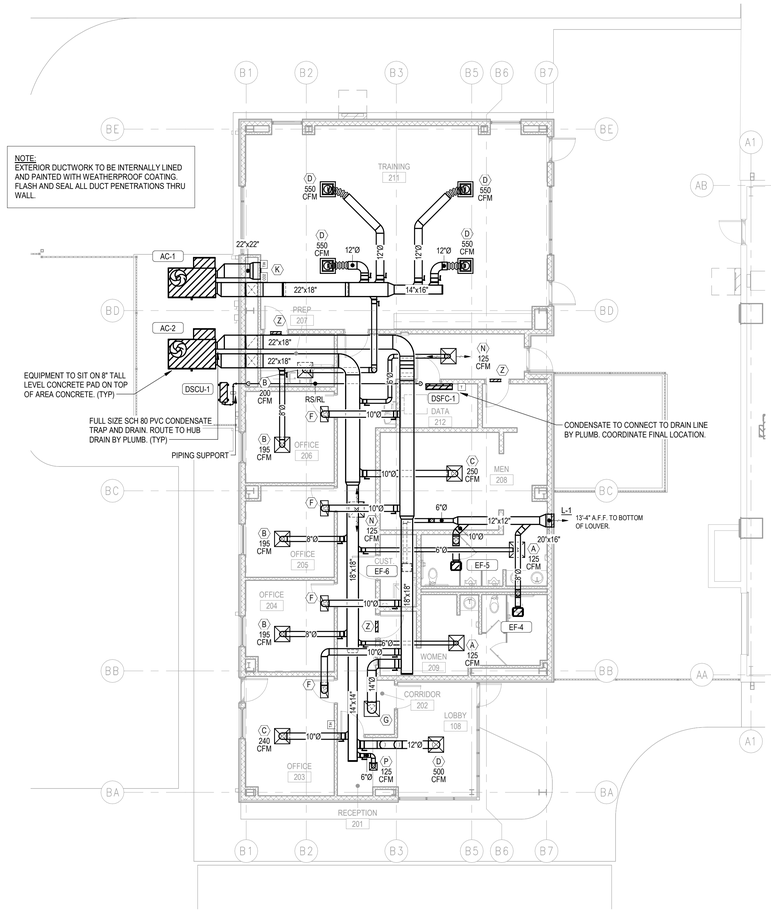
PLUMBING SCHEDULE & DETAILS

PUBLIC WORKS ADDITIONS
CITY OF PARAGOULD
PARAGOULD, AR

CERTIFICATE OF AUTHORIZATION
LEWIS ARCHITECTS ENGINEERS
No. 186
ARKANSAS ENGINEER
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No.7612
RANDALL M. RIGGINS

DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY: KS
REV:

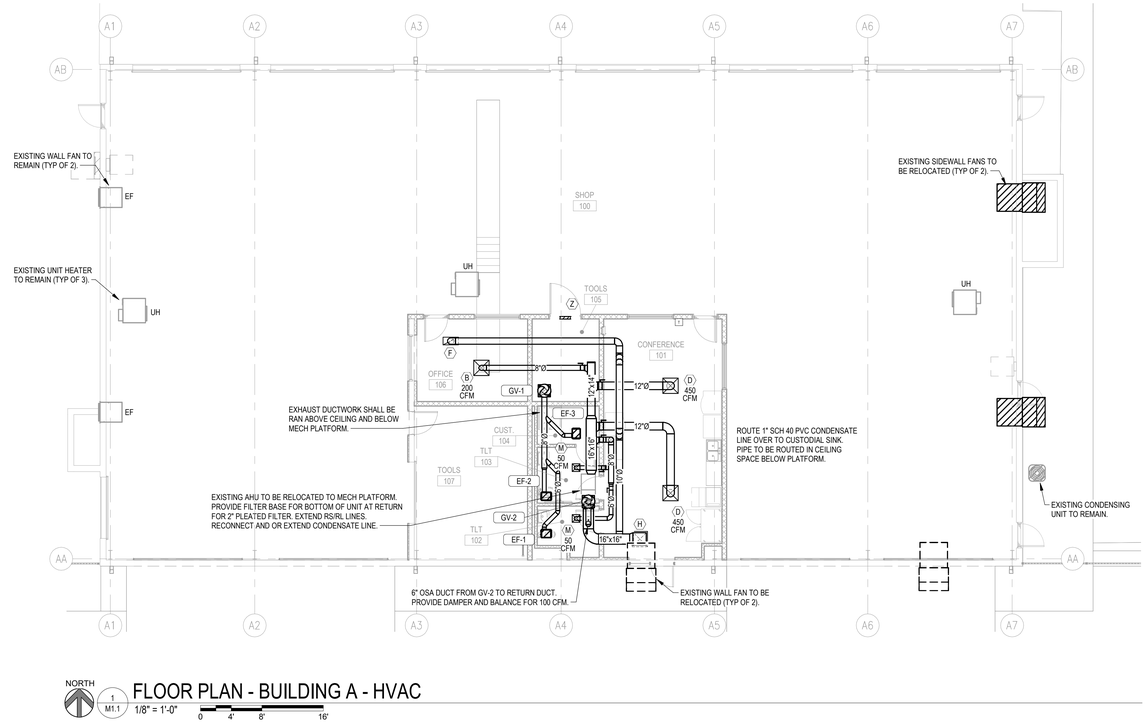
P2.1



NORTH 2 M1.1 FLOOR PLAN - BUILDING B - HVAC

1/8" = 1'-0"

0 4' 8' 16'



NORTH 1 M1.1 FLOOR PLAN - BUILDING A - HVAC

1/8" = 1'-0"

0 4' 8' 16'

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FLOOR PLANS - HVAC

PUBLIC WORKS ADDITIONS
CITY OF PARAGOULD
PARAGOULD, ARKANSAS

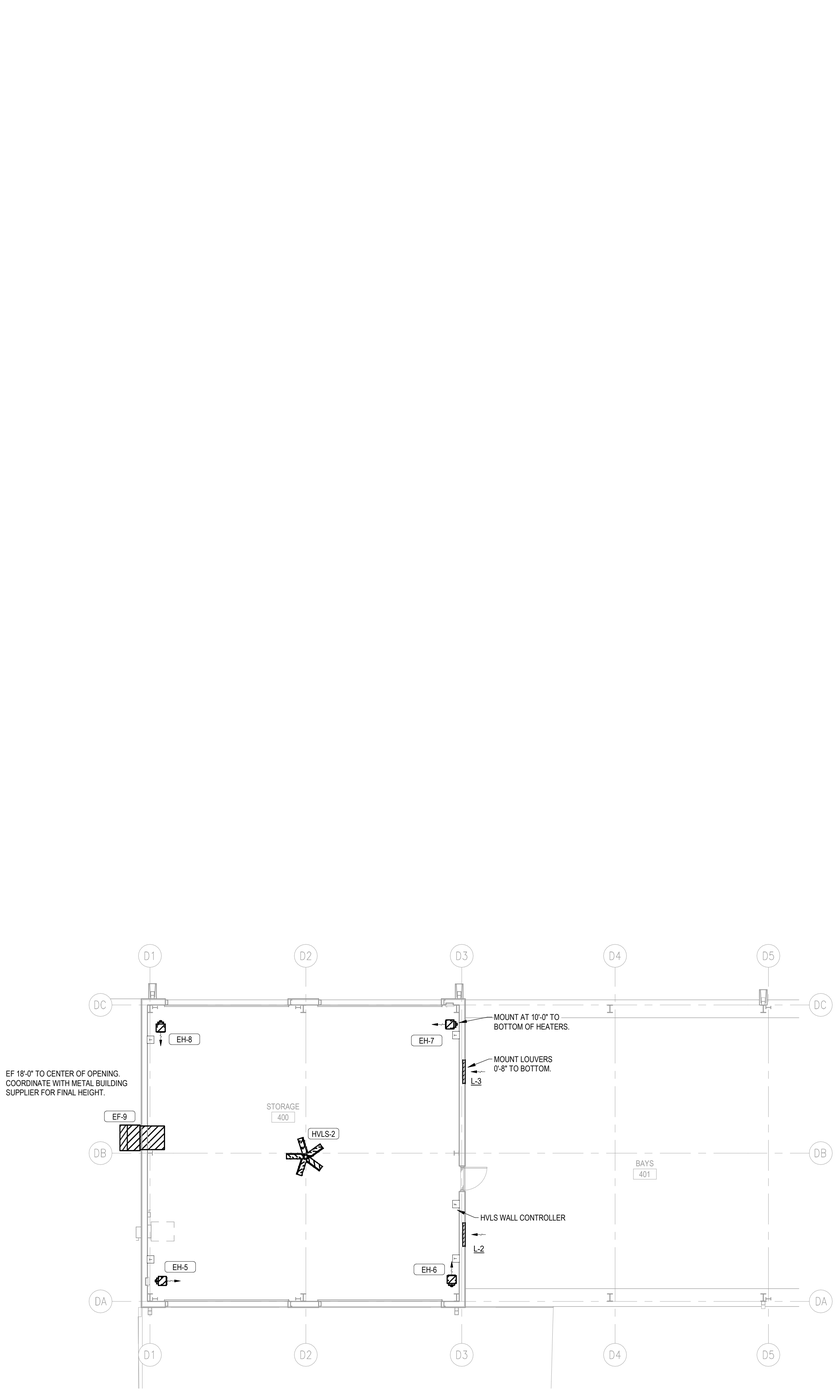
CERTIFICATE OF AUTHORIZATION
LEWIS ARCHITECTS ENGINEERS
No. 186
ARKANSAS ENGINEER

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
BILLIE ALLEN MORRIS
NO. 18904
2024

DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY: WAM
REV:

M1.1

1 OF 4

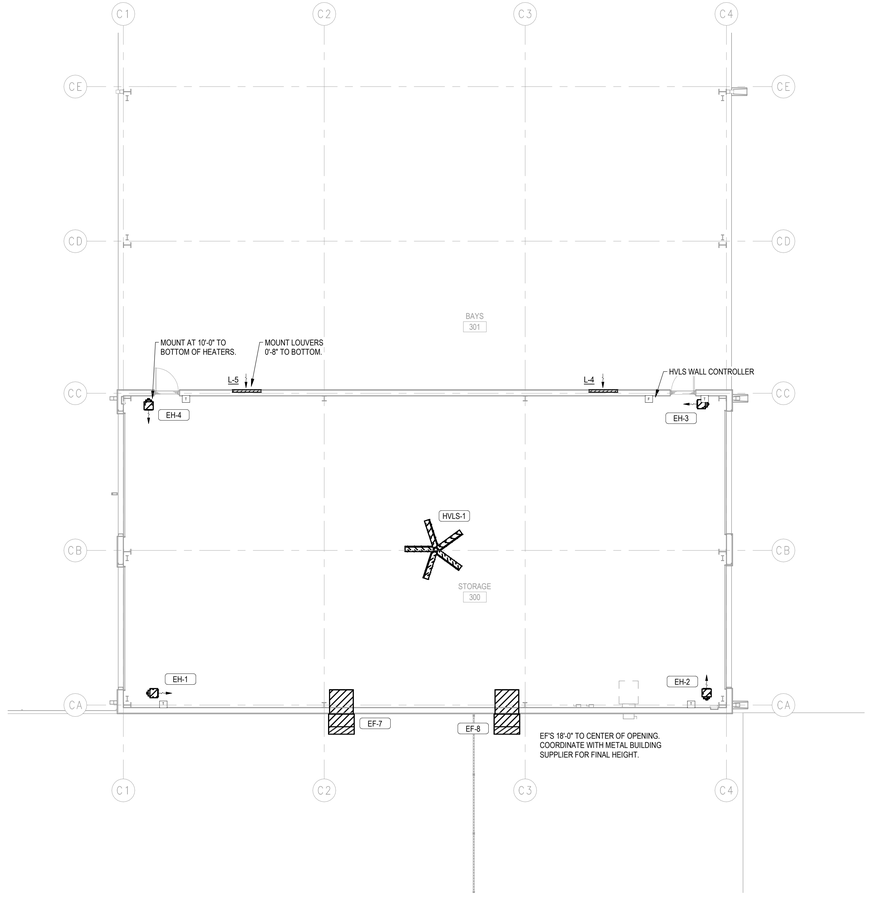


NORTH

2 / M1.2 FLOOR PLAN - BUILDING D - HVAC

1/8" = 1'-0"

0 4' 8' 16'



NORTH

1 / M1.2 FLOOR PLAN - BUILDING C - HVAC

1/8" = 1'-0"

0 4' 8' 16'

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FLOOR PLANS - HVAC

PUBLIC WORKS ADDITIONS
CITY OF PARAGOULD
PARAGOULD, ARKANSAS

CERTIFICATE OF AUTHORIZATION
LEWIS ARCHITECTS ENGINEERS
No. 186
ARKANSAS ENGINEER

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
W. A. MOSS
NO. 16924
WADE ALLEN MOSS

DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY: WAM
REV:

M1.2

MECHANICAL GENERAL NOTES

1. DUE TO THE SMALL SCALE OF THIS DRAWING, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS AND ACCESSORIES WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING THE WORK AND SHALL COORDINATE AND ARRANGE HIS WORK ACCORDINGLY.
2. DUCT SIZES INDICATED ON PLANS ARE ACTUAL SHEET METAL SIZES AND DO ALLOW FOR INTERNAL INSULATION OF RECTANGULAR DUCT, IF APPLICABLE.
3. ROUND BRANCH DUCT RUNOUTS SHALL BE SAME SIZE AS DIFFUSER THROAT UNLESS OTHERWISE NOTED.
4. MOUNT ALL TEMPERATURE SENSORS &/OR THERMOSTATS AT 48" TO TOP OF BOX.
5. FLEXIBLE DUCT MAY BE USED FOR FINAL CONNECTIONS TO DIFFUSERS. A MAXIMUM LENGTH OF THREE FEET (3') SHALL BE USED.
6. ALL CEILING-MOUNTED SUPPLY DIFFUSERS SHALL HAVE FOUR-WAY (4-WAY) PATTERN UNLESS OTHERWISE INDICATED.
7. WHERE SPLITTER DAMPERS ARE LOCATED ABOVE NON-ACCESSIBLE CEILINGS, PROVIDE EXTENDED CONTROL ROD AND REGULATOR AS SPECIFIED.
8. WHERE MANUAL DAMPERS ARE INSTALLED IN EXTERNALLY INSULATED DUCTWORK, PROVIDE STAND-OFF BRACKET TO PREVENT COMPRESSION OF INSULATION BY DAMPER OPERATOR HANDLE.
9. PROVIDE TURNING VANES IN ALL 90-DEGREE ELBOWS. UNLESS NOTED OTHERWISE.
10. INTERNALLY INSULATE ALL RECTANGULAR SUPPLY AND RETURN DUCTWORK UNLESS NOTED OTHERWISE.
11. EXHAUST DUCTWORK SHALL BE UNINSULATED, UNLESS OTHERWISE NOTED.
12. EXTERNALLY INSULATE LOW-VELOCITY ROUND RUNOUT DUCTWORK.
13. INSULATE THE TOP OF ALL SUPPLY AIR DIFFUSERS WITH A MINIMUM OF 1/2" THICK FIBERGLASS DUCT WRAP.
14. INSULATE ALL PIPING, DUCTS, AND EQUIPMENT, WHETHER INDICATED OR NOT, WHICH ARE SUBJECT TO FREEZING OR CONDENSATION FORMATION.
15. INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S INSTRUCTIONS.
16. VERIFY WITH EXISTING CEILING FOR EXACT LOCATION OF DIFFUSERS.
17. COORDINATE LOCATION OF DUCTS AND DIFFUSERS WITH STRUCTURAL FRAMING MEMBER. OFFSET DUCTS AS REQUIRED TO CLEAR STRUCTURAL MEMBERS.
18. COORDINATE LOCATIONS AND ELEVATION OF DUCT RUNS WITH PLUMBING AND ELECTRICAL CONTRACTORS.
19. COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
20. COORDINATE GAS REQUIREMENTS WITH PLUMBING CONTRACTOR.
21. SCREWS TO SECURE AIR DEVICES SHALL BE PAINTED HEAD TYPE PROVIDED BY DEVICE MANUFACTURER. ANY OTHER TYPE USED WILL BE REPLACED WITH PROPER SCREW BEFORE ACCEPTANCE.
22. INSURE 10'-0" MINIMUM CLEARANCE BETWEEN FRESH AIR INTAKE VENTILATORS AND VENTS FOR FURNACE/PLUMBING AND EXHAUST VENTILATORS.

MECHANICAL LEGEND

- FLEXIBLE DUCT CONNECTION
- TURNING VANES
- RECTANGULAR TO ROUND DUCT TAKE-OFF (SEE DETAIL)
- MANUAL DAMPER
- DOUBLE WALL SPIRAL DUCT WITH 1" INSULATION AND PERFORATED LINER (SIZE ON DRAWINGS REPRESENTS INTERNAL DIA.)
- FULL RADIUS ELBOW
- 1 / M-2 — DETAIL NUMBER - TOP NUMBER INDICATES DETAIL NUMBER, BOTTOM NUMBER INDICATES SHEET NUMBER
- X — GRILLE OR DIFFUSER DESIGNATION - SEE SCHEDULE
- RS/RL — REFRIGERANT PIPING (SUCTION AND LIQUID)
- TS — TEMP-SENSOR
- T/H — TEMP/HUMIDITY SENSOR (SENSORS MOUNTED AT 48" A.F.F. TO TOP OF BOX (UNLESS OTHERWISE NOTED))
- T — T-STAT
- S — STAINLESS STEEL FLAT PANEL TEMP. SENSOR

HVAC ABBREVIATIONS

(SEE SHT T-1 FOR GENERAL ABBREVIATIONS)

A.F.F.	ABOVE FINISHED FLOOR
ABV.	ABOVE
CFM	CUBIC FEET PER MINUTE
DISCH.	DISCHARGE
DN.	DOWN
MIN.	MINIMUM
OSA	OUTSIDE AIR
PLUMB.	PLUMBING
R.A.	RETURN AIR
S.A.	SUPPLY AIR
T-STAT	THERMOSTAT
U.N.O.	UNLESS NOTED OTHERWISE
W/	WITH
I.D.	INTERNAL DIAMETER
EXT. INSUL.	EXTERNALLY INSULATED
INT. INSUL.	INTERNALLY INSULATED
VRF	VARIABLE REFRIGERANT FLOW

HVAC SEISMIC NOTES

1. PARAGOULD PUBLIC WORKS BLDG IS CLASSIFIED AS SEISMIC DESIGN CATEGORY C AND SEISMIC USE GROUP II WITH A COMPONENT IMPORTANCE FACTOR OF (Ip) = 1.0.
2. THE CONTRACTOR SHALL BE FAMILIAR WITH THE 2021 INTERNATIONAL BUILDING CODE (IBC) AND ARKANSAS AMENDMENTS SUCH THAT THE SYSTEMS AND THE COMPONENTS ARE INSTALLED TO COMPLY.
3. BECAUSE THE COMPONENTS OF THESE FACILITIES HAVE A COMPONENT IMPORTANCE FACTOR (Ip) = 1.0, THE MECHANICAL COMPONENTS ARE EXEMPT FROM THE REQUIREMENTS OF THE SECTION.

HVAC SEISMIC NOTES

1. PARAGOULD WORKS ADDITIONS IS CLASSIFIED AS SEISMIC DESIGN CATEGORY D AND SEISMIC USE GROUP IV WITH COMPONENT IMPORTANCE FACTOR (Ip) = 1.0.
2. THE CONTRACTOR SHALL BE FAMILIAR WITH THE 2021 INTERNATIONAL BUILDING CODE (IBC) AND ARKANSAS AMENDMENT SUCH THAT THE SYSTEMS AND THE COMPONENTS ARE INSTALLED TO COMPLY.
3. BECAUSE THE COMPONENTS OF THESE FACILITIES HAVE A COMPONENT IMPORTANCE FACTOR (Ip) = 1.0, THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS ARE EXEMPT FROM THE REQUIREMENTS OF THE SECTION:
   a. COMPONENTS WHICH HAVE FLEXIBLE CONNECTIONS BETWEEN THE ASSOCIATED DUCTWORK, PIPING AND CONDUIT, ARE MOUNTED 4 FEET OR LESS ABOVE FLOOR LEVEL AND WEIGH 400 POUNDS OR LESS. COMPONENTS WEIGHING 20 POUNDS OR LESS SUCH AS AIR DEVICES DO NOT HAVE A HEIGHT RESTRICTION.
   b. HVAC DUCTS ARE SUSPENDED FROM HANGERS WHICH AVOID SIGNIFICANT BENDING AND ARE 12" OR LESS IN LENGTH FROM THE TOP OF THE DUCT TO THE STRUCTURE.
   c. HVAC DUCTS WHICH HAVE A CROSS SECTIONAL AREA LESS THAN 6 SQUARE FEET.
   d. EQUIPMENT INSTALLED IN-LINE WITH DUCT SYSTEM (FANS, HEAT EXCHANGERS, HUMIDIFIERS, ETC) WHICH ARE 75 POUNDS OR LESS.
   e. PIPING SUPPORTED BY ROD HANGERS WHICH ARE 12" OR LESS IN LENGTH FROM TOP OF PIPES TO STRUCTURE. THE HANGERS MUST BE RIGID CONSTRUCTION WHICH WILL NOT BE SUBJECT TO BENDING.
   f. PIPING WHICH IS 3" OR LESS THAT CAN TOLERATE SUBSTANTIAL PERMANENT DEFORMATION AND STILL PERFORM IT'S FUNCTIONS SUCH AS WELDED STEEL, COPPER AND FLEX PIPING.
   g. COMPONENTS SUPPORTED BY CHAINS OR SIMILARLY SUSPENDED FROM ABOVE ARE NOT REQUIRED TO MEET THE LATERAL SEISMIC FORCE REQUIREMENTS AND SEISMIC RELATIVE DISPLACEMENT REQUIREMENTS PROVIDED THAT THEY CANNOT BE DAMAGED OR CANNOT DAMAGE ANY OTHER COMPONENT WHEN SUBJECTED TO SEISMIC MOTION AND THEY HAVE DUCTILE OR ARTICULATING CONNECTIONS TO THE STRUCTURE AT THE POINT OF ATTACHMENT. THE GRAVITY DESIGN LOAD FOR THESE ITEMS SHALL BE THREE TIMES THEIR OPERATING LOAD.
4. ALL HVAC DUCT SYSTEM APPURTENANCES SUCH AS DAMPERS AND LOUVERS SHALL BE POSITIVELY ATTACHED WITH MECHANICAL FASTENERS.
5. ALL CEILING MOUNTED EQUIPMENT SUCH AS EXHAUST FANS SHALL BE SECURED TO THE STRUCTURE WITH #12 GA STEEL WIRE ON TWO (2) SIDES UNLESS UNIT IS TWENTY (20) POUNDS OR LESS.
6. ALL MECHANICAL EQUIPMENT SHALL BE FASTENED (REMOVABLE) TO THE PLATFORM OR HOUSEKEEPING PAD AS INDICATED ON PLANS. RETURN AIR PLENUM/ PLATFORMS SHALL BE FASTENED TO THE FLOOR OR STRUCTURE.

ELECTRIC HEATER SCHEDULE

MARK	MANUFACTURER	MODEL	HEATING (KW)	VOLTAGE / PHASE	WEIGHT (LBS)
EH-1, 2, 3, 4	MARKEL	F2FUH10C03	10	208/3	42
EH-5, 6, 7, 8	MARKEL	F3FUH07C03	7.5	208/3	40

ACCESSORIES & NOTES:
1. PROVIDE W/ TRANSFORMER AND T-STAT.

HIGH VOLUME LOW SPEED FANS SCHEDULE

MARK	MANUFACTURER	MODEL	TYPE	RPM	VOLTAGE / PHASE	FAN HP	WEIGHT (LBS)	CONTROL POINT	NOTES
HVLS-1	GREENHECK	DC-5-8	HVLS	184	120/1	1 /4	70	TOUCHPAD	1
HVLS-2	GREENHECK	DC-5-5	HVLS	197	120/1	1 /10	24	TOUCHPAD	2

ACCESSORIES & NOTES:
1. PROVIDE WITH UNIVERSAL MOUNT, NFPA COMPLIANT, IP54 RATED, UL-507 LISTED FOR DAMP LOCATION, COLOR BY ARCHITECT, 2'-0" MOUNTING DROP, STANDARD TOUCHSCREEN CONTROLLER. 3 YEAR ELECTRICAL & MOTOR WARRANTY, 10 YEAR MECHANICAL PARTS WARRANTY.
1. PROVIDE WITH UNIVERSAL MOUNT, NFPA COMPLIANT, IP40 RATED, UL-507 LISTED FOR DAMP LOCATION, COLOR BY ARCHITECT, 3'-0" MOUNTING DROP, STANDARD TOUCHSCREEN CONTROLLER. 3 YEAR ELECTRICAL & MOTOR WARRANTY, 10 YEAR MECHANICAL PARTS WARRANTY.

SEQUENCE OF OPERATION

1. GENERAL
   A. OCCUPIED/UNOCCUPIED MODE SHALL BE DETERMINED BY OWNER/OPERATOR BASED ON A WEEKLY SCHEDULE WITH EVENT AND HOLIDAY OVERRIDE SCHEDULES.
2. GAS-FIRED PACKAGED UNITS
   A. SHALL BE CONTROLLED BY MANUFACTURER'S SUPPLIED CONTROLLER (TEMP. & HUMIDITY CONTROL) / FIELD INSTALLED CO2 SENSOR WITH INTEGRAL ECONOMIZER CONTROLLER. PRESET OCCUPIED/UNOCCUPIED SCHEDULES AS DIRECTED BY OWNER.
   B. OCCUPIED MODE
      1. BLOWER SHALL CYCLE IN SEQUENCE ON DEMAND FOR HEATING OR COOLING OR DEHUMIDIFICATION.
      2. INTEGRAL EQUIPMENT CONTROLS SHALL MODULATE ECONOMIZER, COMPRESSORS, DEHUMIDIFICATION CYCLE, VENTILATION AIR BASED ON CO2 AND HEATING CYCLE IS REQUIRED TO MAINTAIN SET TEMPERATURE AND RELATIVE HUMIDITY (60% MAXIMUM RH).
      3. 75°F COOLING/70°F HEATING (ADJUSTABLE).
   C. UNOCCUPIED MODE
      1. BLOWER SHALL CYCLE IN SEQUENCE ON DEMAND FOR HEATING OR COOLING OR DEHUMIDIFICATION.
      2. OUTSIDE AIR DAMPER SHALL CLOSE.
      3. 84°F COOLING / 62°F HEATING (ADJUSTABLE).
   D. ECONOMIZER CYCLE SHALL BE ACTIVATED BASED ON ENTHALPY COMPARISON OF OUTSIDE AIR VERSUS RETURN AIR.
   E. AC-1: CARBON DIOXIDE MONITORING SHALL PROVIDE AN OVERRIDE OF THE ECONOMIZER TO VENTILATION AIR MAXIMUM POSITION IN RESPONSE TO ELEVATED CO2 LEVELS (DAMPER POSITION SHALL PROPORTIONALLY INCREASE FROM MINIMUM CFM POSITION AT 500 PPM AND OPEN TO MAX POSITION AT 1100 PPM.) REFER TO OUTSIDE AIR SCHEDULE FOR AIRFLOW AMOUNT.
      AC-2: 2 POSITION DAMPER TO OPEN TO MAX SETTING (SEE SCHEDULE) WHEN UNIT IS OPERATING.
3. IT ROOM COOLING ONLY UNIT (DSFC-1)
   A. UNIT SHALL BE CONTROLLED BY WALL MOUNTED MANUFACTURER SUPPLIED CONTROLLER SET FOR 75°F COOLING (ADJUSTABLE).
4. EXISTING SPLIT HEATING/COOLING UNITS
   A. UNIT SHALL BE CONTROLLED BY WALL MOUNTED MANUFACTURER SUPPLIED CONTROLLER SET FOR 75°F COOLING / 70°F HEATING (ADJUSTABLE).
   B. OCCUPIED MODE
      a. BLOWER SHALL CYCLE ON DEMAND FOR HEATING OR COOLING.
      b. 75°F COOLING/70°F HEATING (ADJUSTABLE).
      c. 7:00 AM TO 6:00 PM (M-F) (ADJUSTABLE).
   C. UNOCCUPIED MODE
      a. BLOWER SHALL CYCLE ON DEMAND FOR HEATING OR COOLING.
      b. 84°F COOLING/62°F HEATING (ADJUSTABLE).
5. FANS (EF's)
   A. EF-1, 2, 3, 4, 5, 6
      SHALL BE ACTIVATED BY LIGHT SWITCH IN CORRESPONDING SPACE.
   B. EF-7, 8, 9
      SHALL BE CONTROLLED BY WALL MOUNTED MANUAL MOTOR STARTER. SWITCH FURNISHED BY ELECTRICAL CONTRACTOR.

PACKAGE EQUIPMENT SCHEDULE

MARK	MANUFACTURER	MODEL	AREA SERVED	TONNAGE (NOMINAL)	COOLING CAPACITY GROSS TOTAL / SENSIBLE (MBH)	HEATING CAPACITY (KW)	SUPPLY CFM	E.S.P.	DISCHARGE ARRANGEMENT	SUPPLY FAN OPERATION	BHP	VOLTAGE	MCA / MOCP (AMPS)	EER (SEER)	COOLING / HEATING STAGES	WEIGHT (LBS)
AC-1	CARRIER	50FE-N07J2M5	TRAINING RM	6	72.4 / 55.6	18.4	2,400	0.60	HORIZONTAL SUPPLY / RETURN	STAGED AIR VOLUME	1.17	208/3	71 / 80	11.2	2 / 2	706
AC-2	CARRIER	50FE-N07J2M5	OFFICES	6	71.0 / 51.9	18.4	2,200	0.60	HORIZONTAL SUPPLY / RETURN	STAGED AIR VOLUME	0.82	208/3	71 / 80	11.2	2 / 2	654

ACCESSORIES & NOTES:
1. SINGLE POINT WIRING CONNECTION
2. 2" PLEATED FILTERS MERV 8
3. HOT GAS DEHUMIDIFICATION CYCLE
4. AC-1 TO HAVE 100% OUTSIDE AIR ENTHALPY COMPARISON ECONOMIZER W/ BAROMETRIC RELIEF; AC-2 TO HAVE 2-POSITION DAMPER FOR OSA
5. CONDENSATE OVERFLOW SWITCH
6. HINGED ACCESS PANELS WITH HANDLES
7. LOUVERED HAIL GUARDS
8. 5 YEAR COMPRESSOR WARRANTY
9. 7 DAY PROGRAMMABLE TEMP/HUMIDITY CONTROLLER, CO2 W/ DISPLAY CONTROLLER

AIR DEVICE SCHEDULE

MARK	MANUFACTURER	MODEL	TYPE	MODULAR SIZE	NECK SIZE	FINISH	ACCESSORIES	NOTES
A	PRICE	AMD	LOUVER CEILING SUPPLY	24" X 24"	9" X 9"/ 6"Ø	WHITE	SR8E	LAY IN
B	PRICE	AMD	LOUVER CEILING SUPPLY	24" X 24"	9" X 9"/ 8"Ø	WHITE	SR8E	LAY IN
C	PRICE	AMD	LOUVER CEILING SUPPLY	24" X 24"	12" X 12"/ 10"Ø	WHITE	SR8E	LAY IN
D	PRICE	AMD	LOUVER CEILING SUPPLY	24" X 24"	18" X 18"/ 12"Ø	WHITE	SR8E	LAY IN
F	PRICE	80	CUBE CORE CEILING RETURN	12" X 24"	10" X 22"/ 10"Ø	WHITE	SR2	LAY IN
G	PRICE	80	CUBE CORE CEILING RETURN	24" X 24"	22" X 22"/ 14"Ø	WHITE	SR2	LAY IN
H	PRICE	80	CUBE CORE CEILING RETURN	24" X 24"	22" X 22"	WHITE	SR2	LAY IN
K	PRICE	93	HEAVY DUTY SIDEWALL RETURN	-	26"W X 24"H	WHITE	1/2" SPACING 45 DEG. DEFLECTION	14 GAUGE BLADES, BLADE PARALLEL WITH LONG SIDE
M	PRICE	AMD	LOUVER CEILING SUPPLY	12" X 12"	9" X 9"/ 6"Ø	WHITE	SR8E	LAY IN
N	PRICE	AMD	LOUVER CEILING SUPPLY	24" X 24"	9" X 9"/ 6"Ø	WHITE	SR8E	LAY IN, 2-WAY THROW
P	PRICE	AMD	LOUVER CEILING SUPPLY	12" X 12"	9" X 9"/ 6"Ø	WHITE	SR8E	SURFACE
Z	PRICE	STG1	DOOR GRILLE	-	16" X 16"	WHITE	FLAT BORDER BOTH SIDES, CONCEALED MOUNTING OF FLANGE FRAME	MOUNT 1'-0" AFF
L-1	GREENHECK	ESD-635	EXHAUST / INTAKE LOUVER	-	20" X 16"	NOTE 4	-	0.7 FT2 FREE AREA
L-2, 3	GREENHECK	EACA-601	INTAKE COMBINATION LOUVER	-	36" X 36"	NOTE 5	-	3.5 FT2 FREE AREA
L-4, 5	GREENHECK	EACA-601	INTAKE COMBINATION LOUVER	-	44" X 48"	NOTE 5	-	7.0 FT2 FREE AREA
GV-1	GREENHECK	GRSR-8	GRAVITY VENTILATOR	-	10.5" X 10.5"	-	-	ROOF CURB, BIRD SCREEN, BACKDRAFT DAMPER
GV-2	GREENHECK	GRSI-8	GRAVITY VENTILATOR	-	10.5" X 10.5"	-	-	ROOF CURB, BIRD SCREEN

ACCESSORIES & NOTES:
1. PROVIDE INSULATION BACKING FOR ALL SUPPLY DIFFUSERS.
2. PROVIDE DUCT MOUNTED OPPOSED BLADE DAMPER TO BALANCE RETURN AIR DUCTWORK.
3. CONTRACTOR TO VERIFY MOUNTING TYPE FOR ALL GRILLES WITH ARCH. CEILING PLANS PRIOR TO BID.
4. ALL LOUVERS TO HAVE 2 COAT 70% KYNAR FINISH. PROVIDE WITH BIRD SCREEN. COLOR BY ARCHITECT.
5. PROVIDE W/ BIRD SCREEN, 2 COAT 70% KYNAR FINISH, COLOR AS SELECTED BY ARCHITECT, 120V ACTUATOR, POWER OPEN / SPRING CLOSE.

EXHAUST FANS SCHEDULE

MARK	MANUFACTURER	MODEL	TYPE	CFM	E.S.P. (IN W.G.)	VOLTAGE / PHASE	FAN HP (HP OR WATTS)	SONES	WEIGHT (LBS)	CONTROL POINT	NOTES
EF-1	GREENHECK	SP-B110	CEILING	75	0.3	120/1	80.0	0.6	13	LIGHTS	1, 2, 3
EF-2	GREENHECK	SP-B110	CEILING	75	0.3	120/1	80.0	0.6	13	LIGHTS	1, 2, 3
EF-3	GREENHECK	SP-B110	CEILING	75	0.3	120/1	80.0	0.6	13	LIGHTS	1, 2, 3
EF-4	GREENHECK	SP-A200	CEILING	150	0.3	120/1	30.0	1.5	27	LIGHTS	1, 2, 3
EF-5	GREENHECK	SP-A410	CEILING	325	0.3	120/1	121.0	3.0	39	LIGHTS	1, 2, 3
EF-6	GREENHECK	SP-B110	CEILING	75	0.3	120/1	80.0	0.6	13	LIGHTS	1, 2, 3
EF-7, 8, 9	GREENHECK	BAER-30	WALL	6000	0.25	208/1	3/4 HP	19.0	130	MOTOR STARTER	4, 5, 6

ACCESSORIES & NOTES:
1. PROVIDE HANGING RODS AND VIBRATION ISOLATORS AS REQUIRED.
2. PROVIDE FACTORY MOUNTED SOLID STATE SPEED CONTROLLER AT FAN, INTERNAL DISCONNECT AND BACKDRAFT DAMPER.
3. PROVIDE W/ WHITE ALUMINUM CEILING GRILLE.
4. PROVIDE W/ WEATHERGUARD, OSHA EXTENDED HOUSING, MOTOR GUARD, DAMPER.
5. INTERLOCK WITH LOUVERS.
6. BELT TENSIONER

MINI SPLIT INDOOR UNIT SCHEDULE

MARK	MANUFACTURER	MODEL	TYPE	CFM	VOLTAGE / PHASE	MCA / MOCP	MATCH WITH	WEIGHT (LBS)
DSFC-1	CARRIER	40MHHC18—3	HIGH WALL	550	208/1	-	DSCU-1	32

ACCESSORIES & NOTES:
1. INDOOR UNIT POWERED FROM OUTDOOR UNIT UNLESS NOTED.
2. PROVIDE INTEGRAL CONDENSATE PUMP.

MINI SPLIT OUTDOOR UNIT SCHEDULE

MARK	MANUFACTURER	MODEL	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	SEER	VOLTAGE / PHASE	MCA / MOCP	MATCH WITH	WEIGHT (LBS)
DSCU-1	CARRIER	38MHRC18A--3	17.9	-	17	208/1	11 / 15	DSFC-1	70

ACCESSORIES & NOTES:
1. PROVIDE W/WINTER START KIT, CRANKCASE HEATER & WIND BAFFLE FOR LOW AMBIENT.

OSA REQUIREMENTS

UNIT No.	SERVES	AIRFLOW	OCCUPANTS	CFM / OCCUPANT	AREA	CFM/FT2	FRESH AIR DESIGN (CFM)	
							SUPPLY	EXHAUST
AC-1	TRAINING ROOM	2,400	50	5	991	0.06	MIN 75 MAX 325	BAROMETRIC
AC-2	OFFICES	2,200	6	5	1,370	0.06	MAX 475	BAROMETRIC

NOTES:
1. THE VENTILATION DESIGN OF THIS PROJECT IS BASED ON THE 2021 INTERNATIONAL MECHANICAL CODE ON VENTILATION AND ASHRAE 62.1-2007.
2. THE VENTILATION AMOUNT (BASED ON NUMBER OF OCCUPANTS) IS INTENDED TO MINIMIZE POTENTIAL FOR HEALTH AFFECTS AND DOES NOT GUARANTEE ACCEPTABLE INDOOR AIR QUALITY. OTHER CONTRIBUTING FACTORS ARE BUILDING MATERIALS, OFFICE EQUIPMENT, MAINTENANCE, JANITORIAL PRACTICES, POLLUTION, NOISE, LIGHTING, PSYCHOLOGICAL STRESS AND THE RANGE OF SUSCEPTIBILITY IN THE OCCUPANTS.
3. MAKE-UP FOR TOILETS SUPPLIED BY TRANSFER FROM ADJ. CORRIDOR. TOILETS SHALL BE EXHAUSTED AT 75 CFM/WC OR URINAL (MINIMUM).
4. DEMAND CONTROL VENTILATION AIR IS INTRODUCED VIA ECONOMIZER CYCLE AS OUTSIDE AIR CONDITIONS PERMIT OR AS CARBON DIOXIDE LEVELS RISE ABOVE 500 PPM INDICATING AN INCREASE OF OCCUPANCY.

IMPORTANT: CONTRACTOR SHALL INCLUDE THIS INFORMATION IN OWNERS OPERATION AND MAINTENANCE MANUALS.

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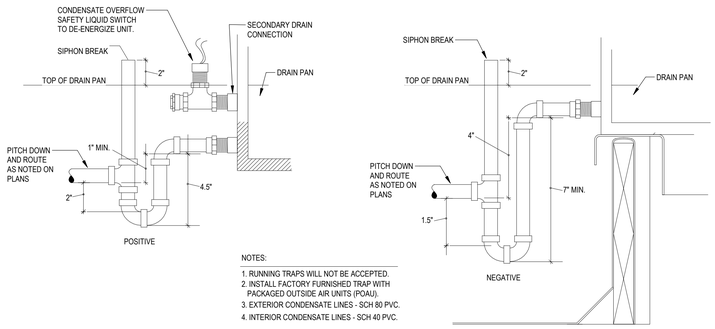
HVAC LEGENDS & SCHEDULES

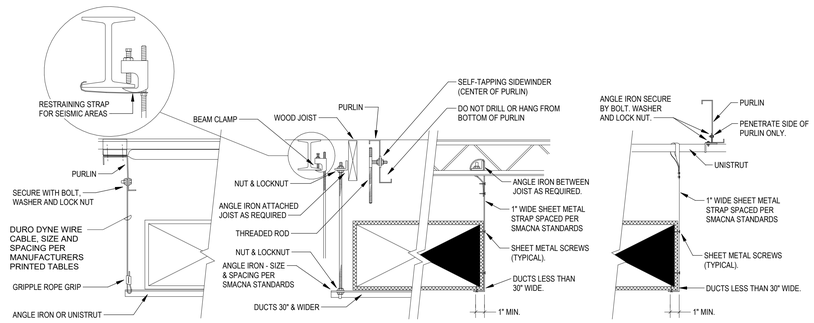
PUBLIC WORKS ADDITIONS
CITY OF PARAGOULD
PARAGOULD, ARKANSAS

DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY: WAM
REV:

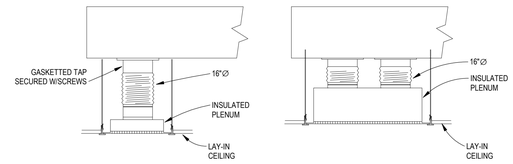
M2.1



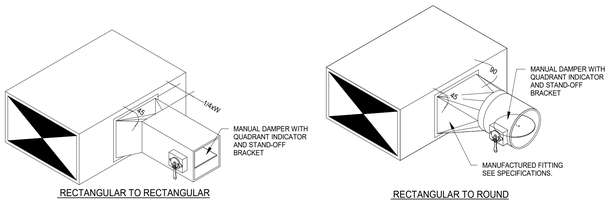
1 M3.1 CONDENSATE TRAP DETAIL
NOT TO SCALE



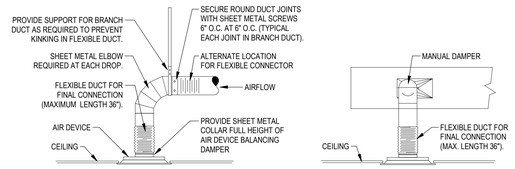
2 M3.1 DUCT SUPPORT DETAIL
NOT TO SCALE



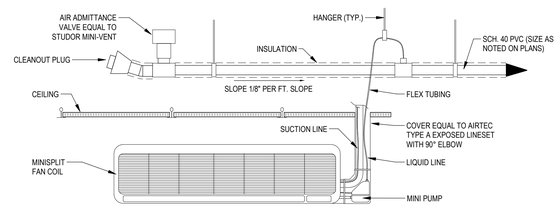
3 M3.1 CEILING RETURN/EXHAUST DETAIL
NOT TO SCALE



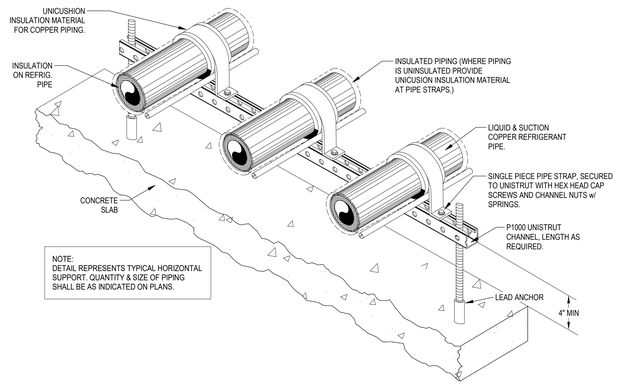
4 M3.1 DUCT TAKEOFF DETAIL
NOT TO SCALE



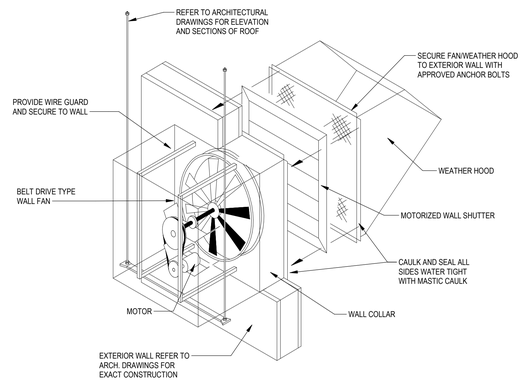
5 M3.1 DIFFUSER CONNECTION DETAIL
NOT TO SCALE



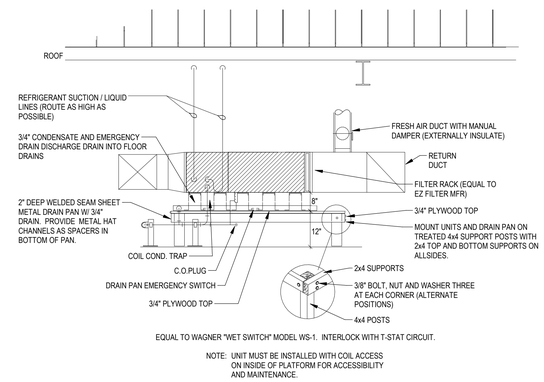
6 M3.1 MINI-SPLIT LINESET AND COVER DETAIL
NOT TO SCALE



7 M3.1 MULTI REFRIGERANT PIPE SUPPORT
NOT TO SCALE



8 M3.1 WALL MOUNTED EXHAUST FAN
NOT TO SCALE



EQUAL TO WAGNER "WET SWITCH" MODEL WS-1. INTERLOCK WITH T-STAT CIRCUIT.

NOTE: UNIT MUST BE INSTALLED WITH COIL ACCESS ON INSIDE OF PLATFORM FOR ACCESSIBILITY AND MAINTENANCE.

9 M3.1 HORIZONTAL FANCOIL ON PLATFORM
NOT TO SCALE

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HVAC DETAILS

PUBLIC WORKS ADDITIONS
CITY OF PARAGOULD
PARAGOULD, ARKANSAS

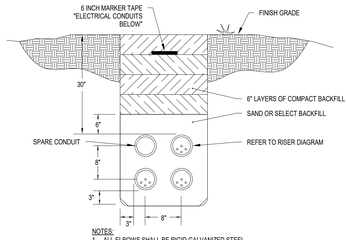
CERTIFICATE OF AUTHORIZATION
LEWIS ARCHITECTS ENGINEERS
No. 186
ARKANSAS ENGINEER
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 16924
WADE ALLEN MOORE

DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY: WAM
REV:

M3.1

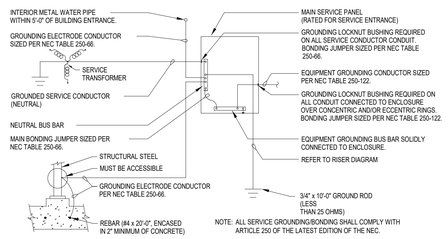
SITE ELECTRICAL LEGEND

EOHE	EXISTING OVERHEAD ELECTRICAL
EUGE	EXISTING UNDERGROUND ELECTRICAL
EUT	EXISTING UNDERGROUND TELEPHONE
EUTV	EXISTING UNDERGROUND CABLE (TELEVISION)
EUFO	EXISTING UNDERGROUND FIBER OPTIC
EUC	EXISTING UNDERGROUND SYSTEMS CONDUIT
OHE	OVERHEAD ELECTRICAL
UGE	UNDERGROUND ELECTRICAL
UT	UNDERGROUND TELEPHONE
UTV	UNDERGROUND CABLE (TELEVISION)
UFO	UNDERGROUND FIBER OPTIC
UC	UNDERGROUND SYSTEMS CONDUIT
	INDICATES UTILITY TO BE REMOVED
(P) - (S)	(P-INDICATES PRIMARY; S-INDICATES SECONDARY)
	JUNCTION BOX - CONNECT TO EQUIPMENT AS REQUIRED
	DISCONNECT SWITCH - w/GROUNDING LUG, SIZE AS NOTED
	FUSIBLE DISCONNECT SWITCH-w/GROUND LUG, SIZE AS NOTED
	MOTOR - SIZE AS NOTED ON PLANS
	SURFACE MOUNTED PANEL BOARD
	WIRE AND CONDUIT - AS NOTED
	HOMERUN TO PANEL-ARROWS INDICATE NUMBER OF CIRCUITS.
	WEATHERHEAD - SIZE AS NOTED ON PLANS
	POWER POLE
T	TELEPHONE PEDESTAL



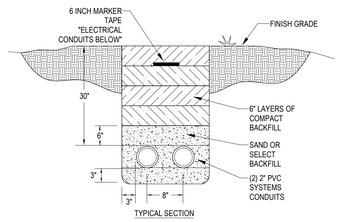
NOTES:
1. ALL ELBOWS SHALL BE RIGID GALVANIZED STEEL.
2. ALL EXPOSED CONDUITS ABOVE GRADE SHALL BE RIGID GALVANIZED STEEL.

4 / E1.0 POWER TRENCH DETAIL
NOT TO SCALE



NOTE: ALL SERVICE GROUNDING/BONDING SHALL COMPLY WITH ARTICLE 250 OF THE LATEST EDITION OF THE NEC.

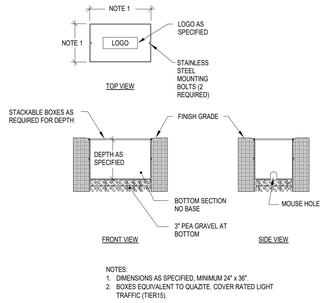
3 / E1.0 POWER SERVICE GROUND
NOT TO SCALE



TYPICAL SECTION

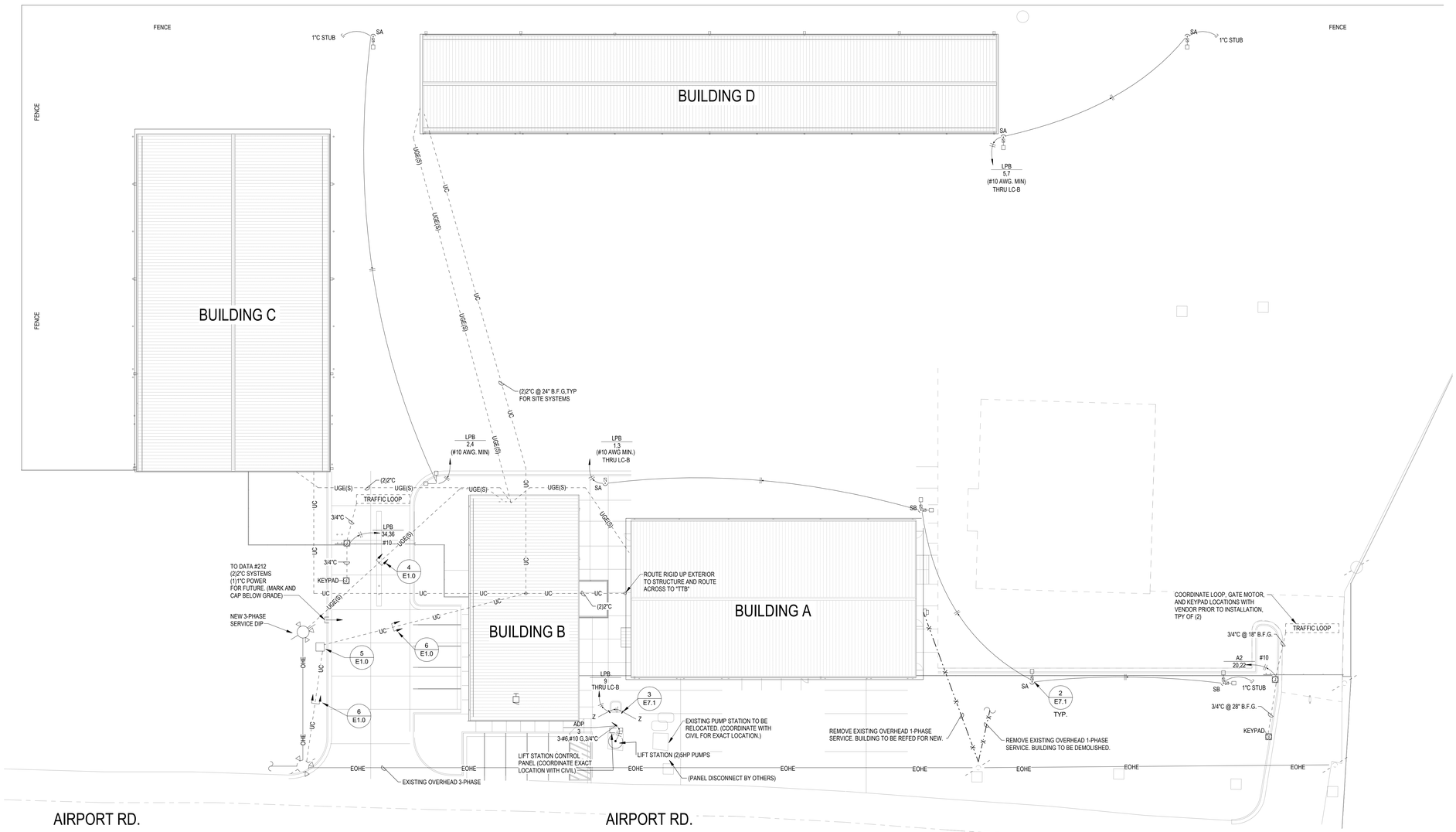
NOTES:
1. ALL ELBOWS SHALL BE RIGID GALVANIZED STEEL.
2. ALL EXPOSED CONDUITS ABOVE GRADE SHALL BE RIGID GALVANIZED STEEL.
3. SYSTEMS CONDUITS SHALL BE KEPT AT LEAST 12" AWAY FROM POWER CONDUITS.
4. VERIFY REQUIREMENTS WITH UTILITY PRIOR TO BEGINNING WORK.

6 / E1.0 SYSTEMS TRENCH DETAIL
NOT TO SCALE



NOTES:
1. DIMENSIONS AS SPECIFIED, MINIMUM 24" x 36".
2. BOXES EQUIVALENT TO QUAZITE. COVER RATED LIGHT TRAFFIC (TIER15).

5 / E1.0 QUAZITE BOX
NOT TO SCALE



NORTH
1 / E1.0 SITE PLAN - ELECTRICAL
1" = 20'-0"

ARKANSAS ONE CALL SYSTEM, INC. 811 STOP - CALL BEFORE YOU DIG

CAUTION !!!

CONTRACTOR MUST HAVE ONE CALL LOCATE AND MARK ALL EXISTING UTILITIES PRIOR TO TRENCHING OR BORING. ELECTRIC CONTRACTOR MUST LOCATE AND MARK ALL EXISTING CONDUITS AND PIPES OWNED BY PROPERTY OWNER PRIOR TO TRENCHING OR BORING.

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SITE PLAN - ELECTRICAL

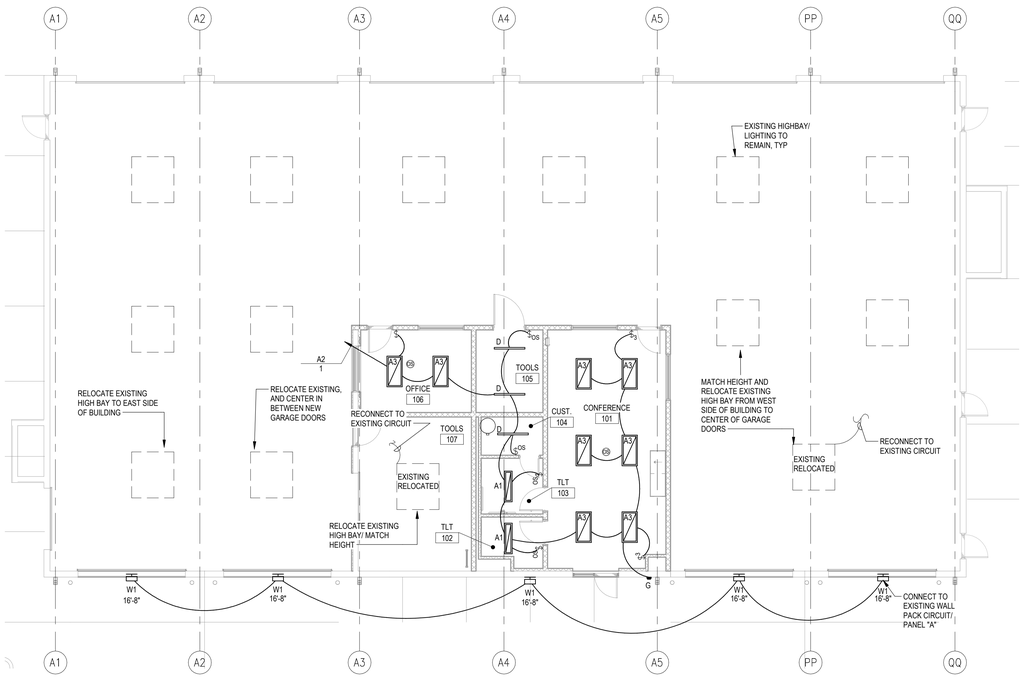
PUBLIC WORKS ADDITION
CITY OF PARAGOULD
PARAGOULD, ARKANSAS

CERTIFICATE OF AUTHORIZATION — LEWIS ARCHITECTS ENGINEERS — No. 186 — ARKANSAS ENGINEER — ROY A. LEWIS

STATE OF ARKANSAS — REGISTERED PROFESSIONAL ENGINEER — NO. 11659 — 8/23/2024 — SCOTT W. WOOD, PE

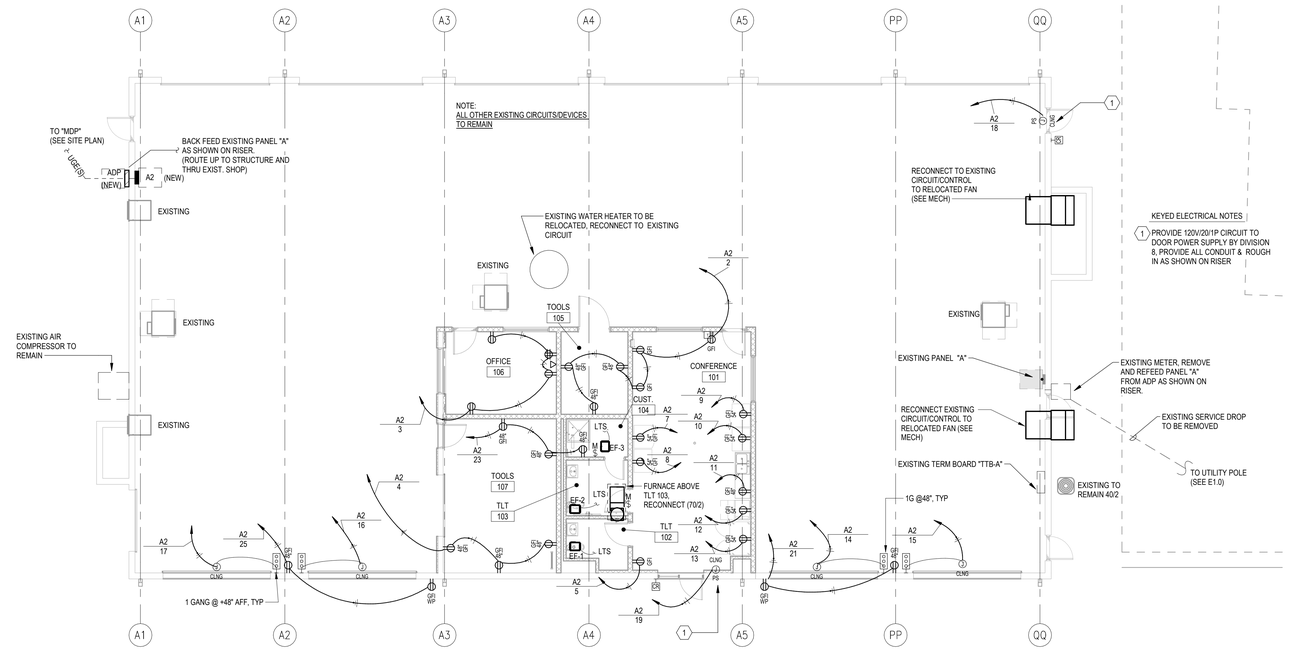
DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY: SW/CH
REVISION:

E1.0



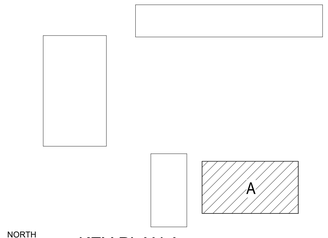
1 E1.1 FLOOR PLAN - BUILDING A - LIGHTING

1/8" = 1'-0"



2 E1.1 FLOOR PLAN - BUILDING A - POWER & SYSTEMS

1/8" = 1'-0"



KEY PLAN A

1" = 80'-0"

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FLOOR PLAN - BUILDING A - ELECTRICAL

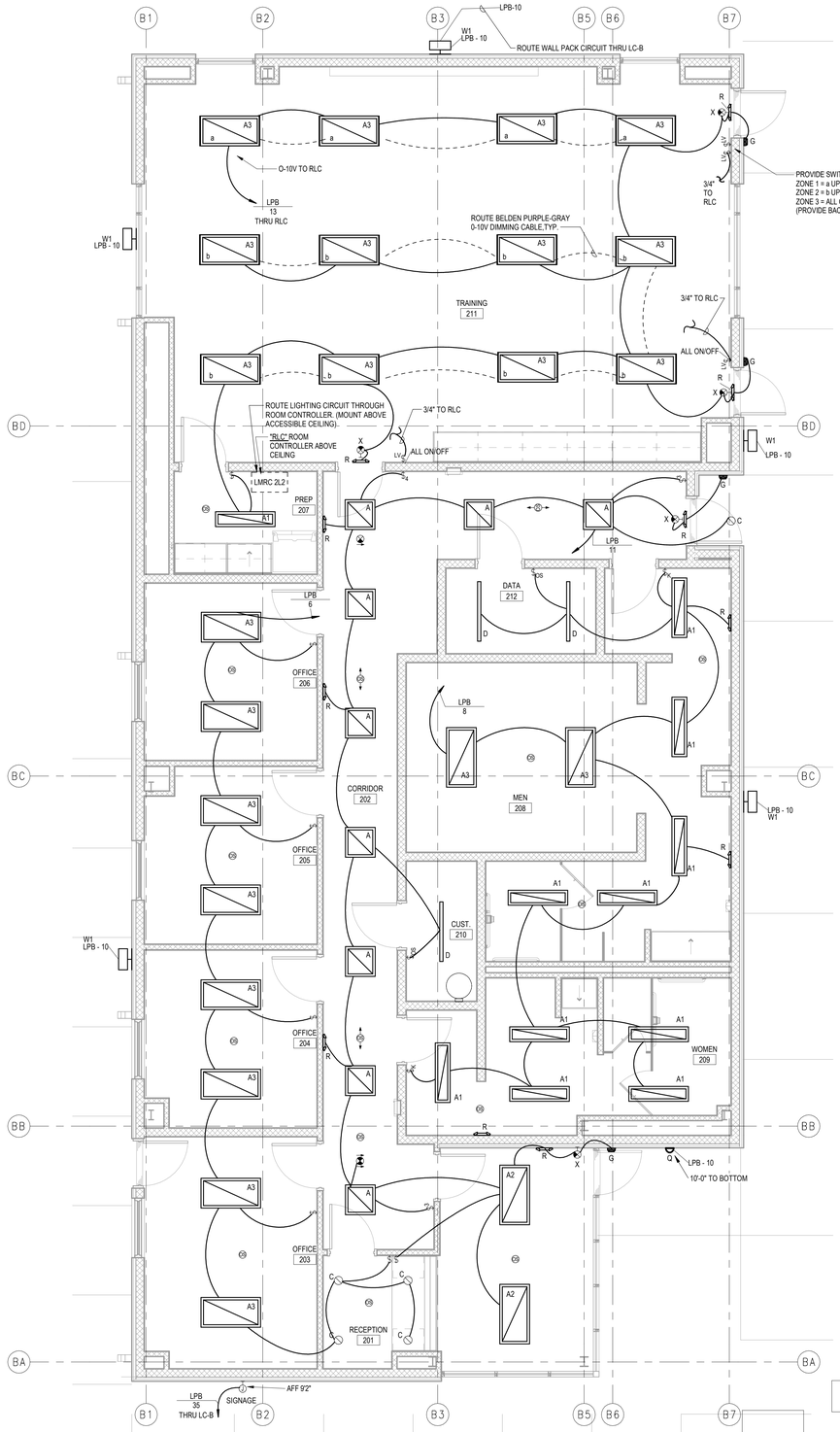
PUBLIC WORKS ADDITION
CITY OF PARAGOULD
PARAGOULD, ARKANSAS

CERTIFICATE OF AUTHORITY TO LEWIS ARCHITECTS ENGINEERS No. 186 ARKANSAS ENGINEER

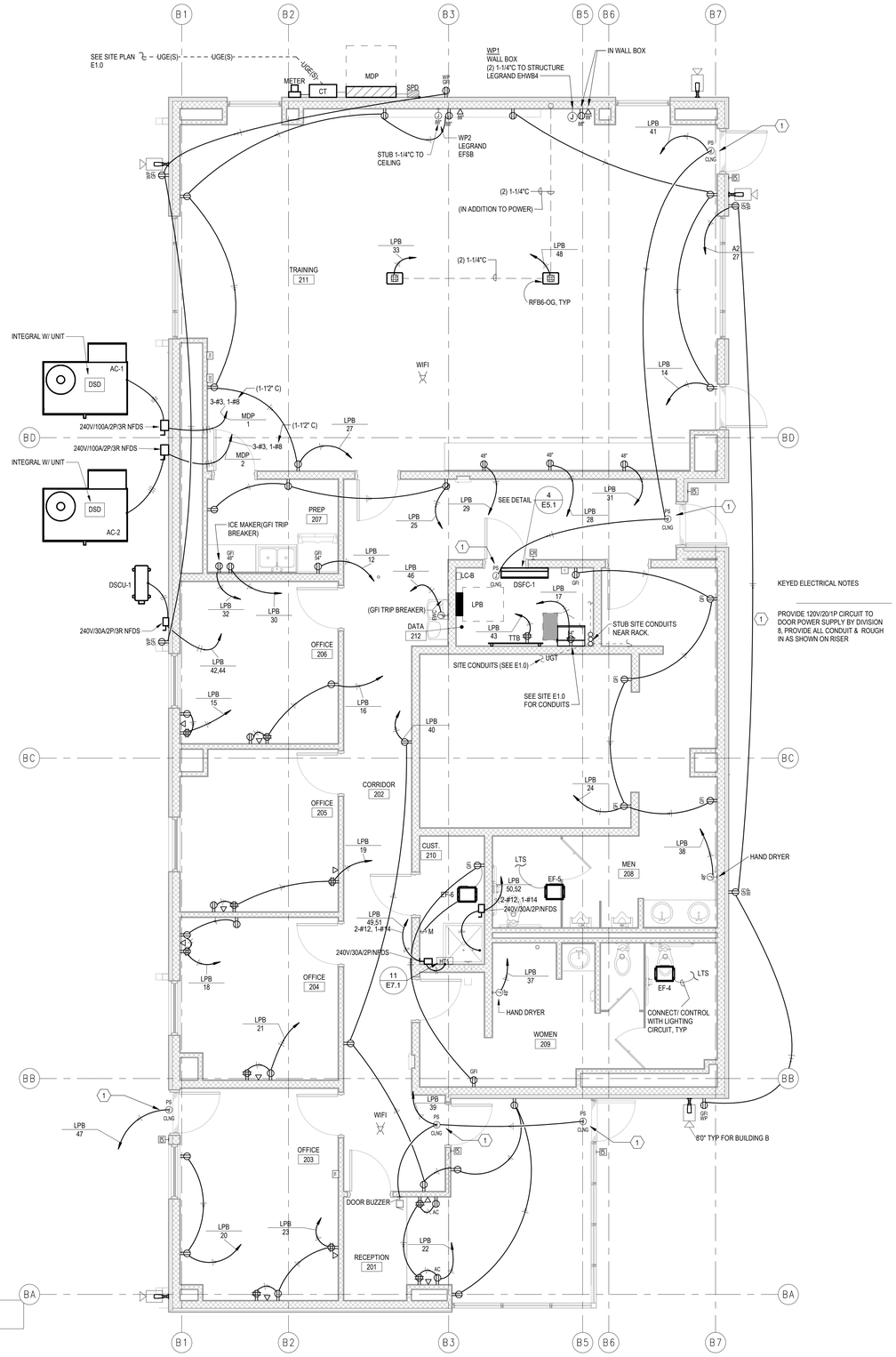
STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 11858 SCOTT W. WOODARD

DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY: SW/CH
REVISION:

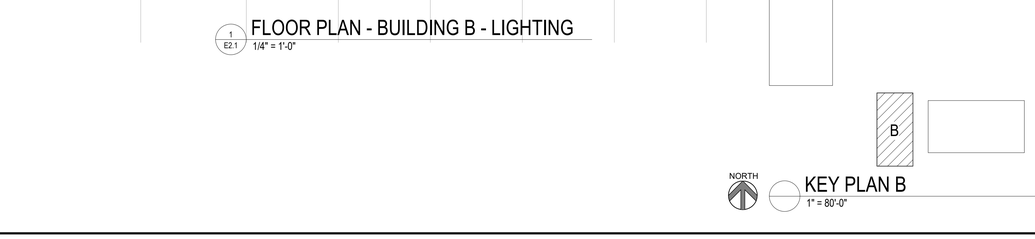
E1.1



1 E2.1 FLOOR PLAN - BUILDING B - LIGHTING
1/4" = 1'-0"



2 E2.1 FLOOR PLAN - BUILDING B - POWER & SYSTEMS
1/4" = 1'-0"



KEY PLAN B
1" = 80'-0"

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FLOOR PLAN - BUILDING B - ELECTRICAL

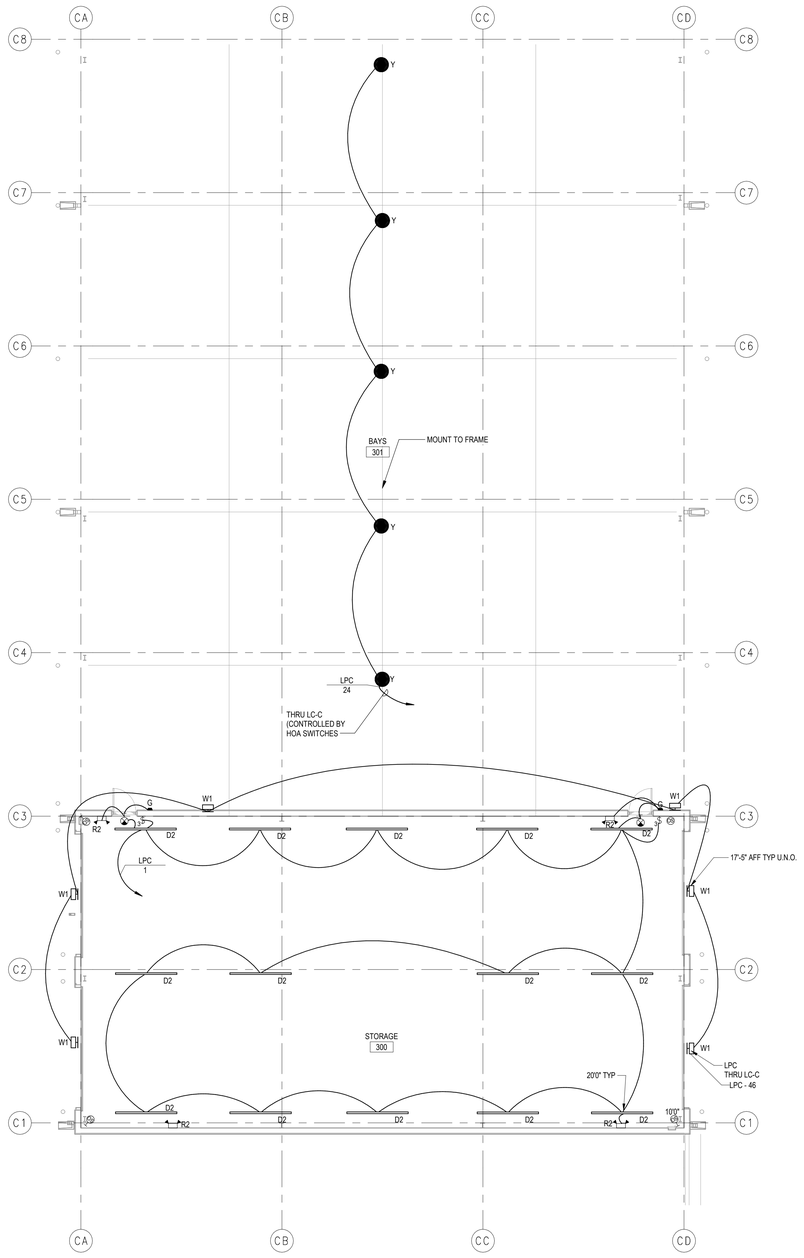
PUBLIC WORKS ADDITION
CITY OF PARAGOULD
PARAGOULD, ARKANSAS

CERTIFICATE OF AUTHORIZATION
LEWIS ARCHITECTS ENGINEERS
No. 186
ARKANSAS ENGINEER
NOT VALID

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11659
SCOTT W. CHURCH
NOT VALID

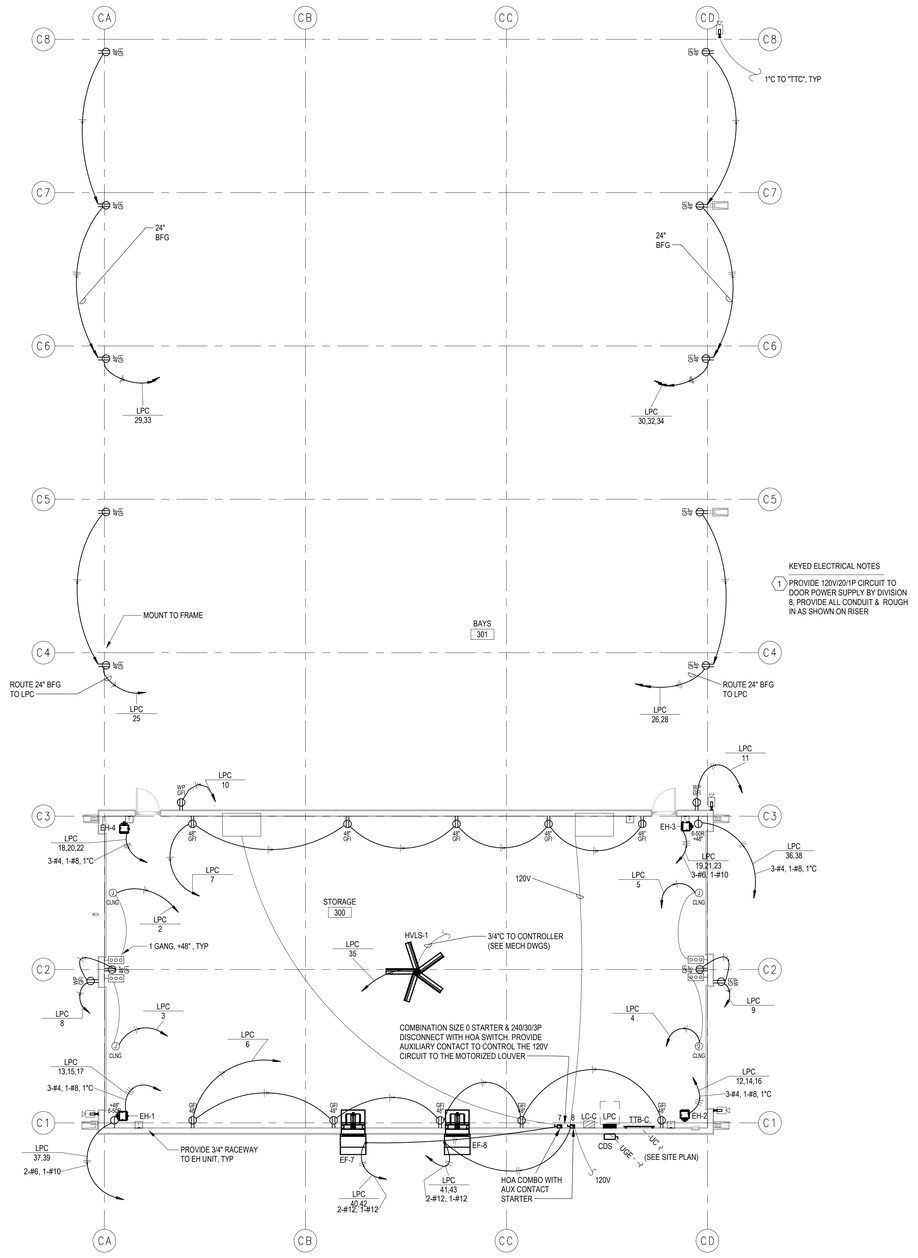
DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY: SW/CH
REVISION:

E2.1
3 OF 9



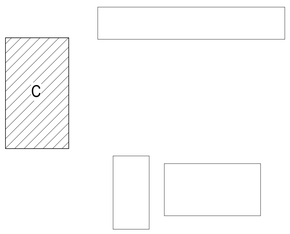
1 E3.1 FLOOR PLAN - BUILDING C - LIGHTING

1/8" = 1'-0"



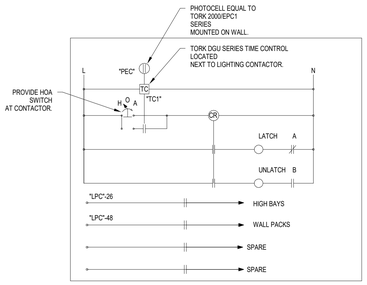
2 E3.1 FLOOR PLAN - BUILDING C - POWER & SYSTEMS

1/8" = 1'-0"



KEY PLAN C

1" = 80'-0"



"LC-C"

MECHANICALLY HELD LIGHTING CONTACTOR IN NEMA 1 ENCLOSURE EQUIVALENT TO SQUARE D 8903-LXG-040-V02/V04 WITH 120V/277V CONTROL RELAY LOCATED IN ELECTRICAL ROOM. PROVIDE VOLTAGE AS SHOWN.

3 E3.1 LC-C

NOT TO SCALE

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FLOOR PLAN - BUILDING C - ELECTRICAL

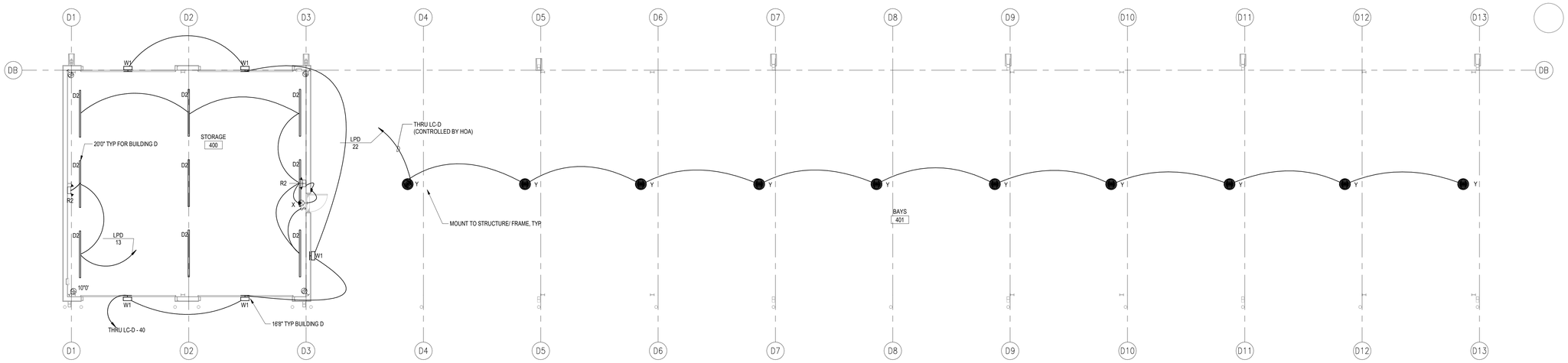
PUBLIC WORKS ADDITION
CITY OF PARAGOULD
PARAGOULD, ARKANSAS

CERTIFICATE OF AUTHORIZATION
LEWIS ARCHITECTS ENGINEERS
No. 186
ARKANSAS ENGINEER

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11959
SCOTT C. WOOD

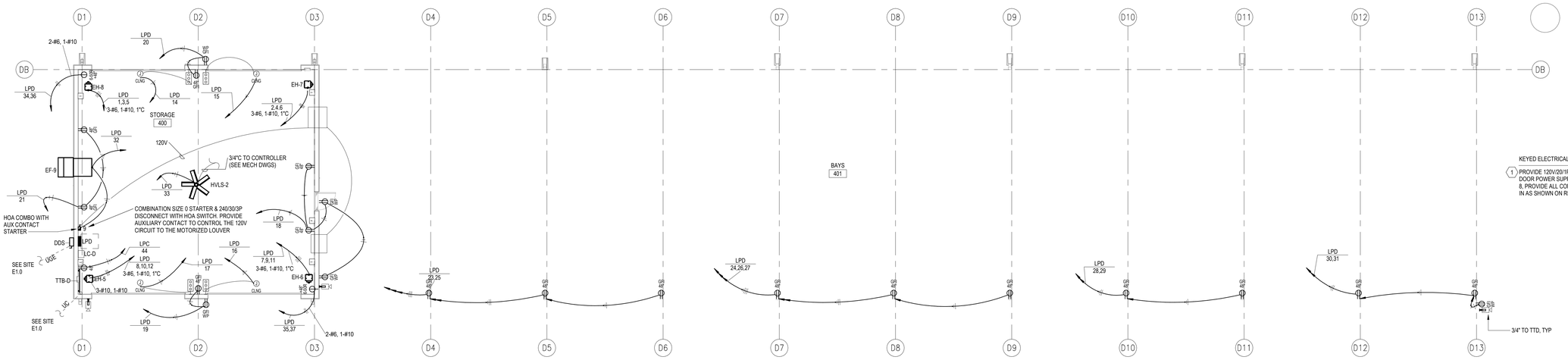
DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY: SW/CH
REVISION:

E3.1



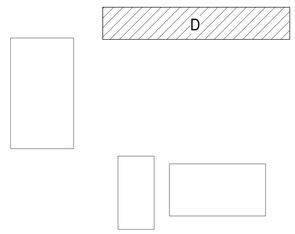
1 E4.1 FLOOR PLAN - BUILDING D - LIGHTING

1/8" = 1'-0"



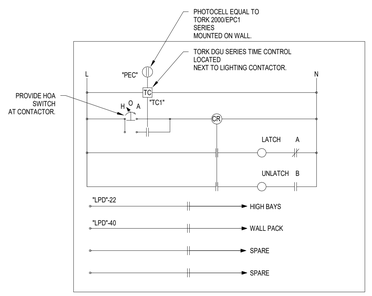
2 E4.1 FLOOR PLAN - BUILDING D - POWER & SYSTEMS

1/8" = 1'-0"



KEY PLAN D

1" = 80'-0"



"LC-D"

MECHANICALLY HELD LIGHTING CONTACTOR IN NEMA 1 ENCLOSURE EQUIVALENT TO SQUARE D 8903-LXG-040-V02/V04 WITH 120V/277V CONTROL RELAY LOCATED IN ELECTRICAL ROOM. PROVIDE VOLTAGE AS SHOWN.

3 E4.1 LC-D

NOT TO SCALE

LEWIS ARCHITECTS ENGINEERS
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FLOOR PLAN - BUILDING D - ELECTRICAL

PUBLIC WORKS ADDITION

CITY OF PARAGOULD
PARAGOULD, ARKANSAS

CERTIFICATE OF AUTHORIZATION
LEWIS ARCHITECTS ENGINEERS
No. 186
ARKANSAS ENGINEER

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11659
SCOTT E. SWITCH

DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY: SWICH
REVISION:

E4.1

NAMEPLATE NOTES

1. ALL ELECTRICAL EQUIPMENT, TIMER SWITCHES, SAFETY SWITCHES, STARTERS, PANELS, AND TRANSFORMERS SHALL HAVE LAMINATED BAKELITE NAMEPLATES SECURELY FASTENED TO DEVICE.
2. NAMEPLATE SIZE SHALL BE 1 1/2" x 4" WITH BEVELED EDGES AND 1/4" LETTERS.
3. NAMEPLATE SHALL INCLUDE PANEL OR EQUIPMENT DESIGNATION, INCLUDE AMPERAGE, VOLTAGE, PHASE, AND WIRE FOR THE PANELS, AND "PANEL FED FROM" FOR THE EQUIPMENT.
4. NAMEPLATES SHALL BE INSTALLED TO PANELS, CABINETS, SWITCHES, ETC. WITH RIVETS OR STAINLESS STEEL SCREWS. PLATES ATTACHED TO DRYWALL OR BLOCK ON INTERIOR MAY BE ADHESIVE BACK.
5. NAMEPLATES FOR 120 OR 208 VOLT EQUIPMENT SHALL BE BLACK, 277 OR 480 VOLT EQUIPMENT SHALL BE RED. LETTERS SHALL BE WHITE.
6. EMBOSSED STICK BACK WILL NOT BE ALLOWED.
7. NAMEPLATES FOR SWITCHES MAY BE OMITTED FOR FURNACES WHEN THE EQUIPMENT WHICH IS SERVED IS OBVIOUS TO SERVICE TECHNICIAN.
8. WHERE EQUIPMENT DISCONNECT IS AT A PANEL, SECURE NAMEPLATE (WITH UNIT DESIGNATION AND "FED FROM PANEL") TO THE EQUIPMENT.

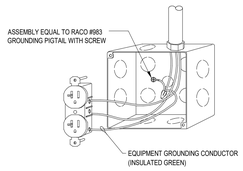
PANEL A
225A, 208Y120, 3 ϕ,4W

TYPICAL PANEL NAMEPLATE

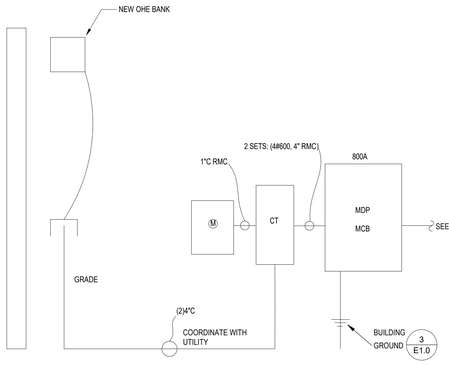
CU-1
FED FROM PANEL E

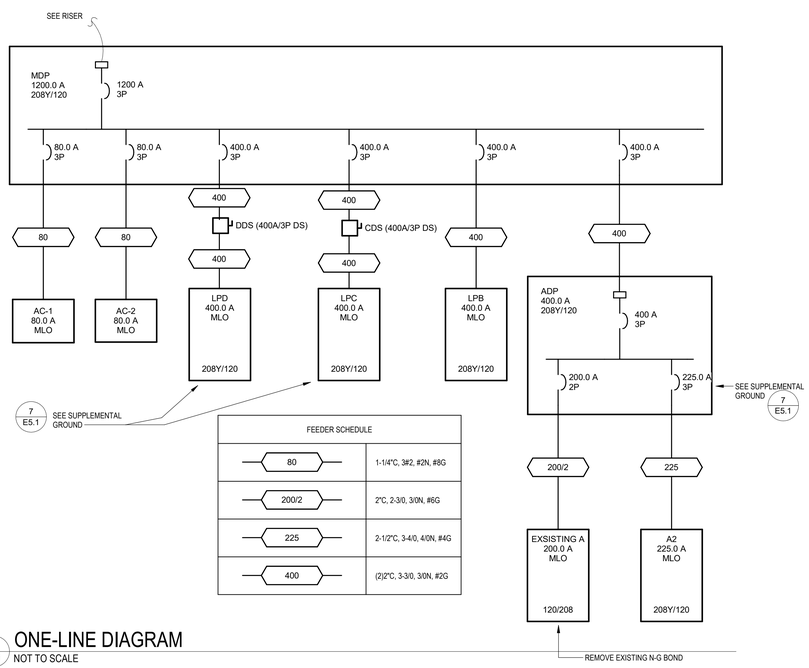
TYPICAL EQUIPMENT NAMEPLATE

1 E5.1 EQUIP TAG DETAIL
NOT TO SCALE



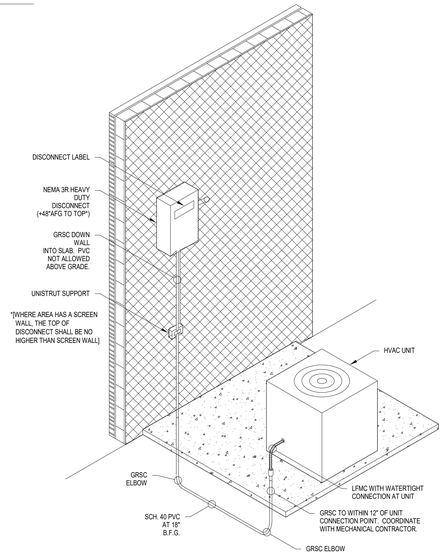
5 E5.1 RECEPTACLE GROUND DETAIL
NOT TO SCALE



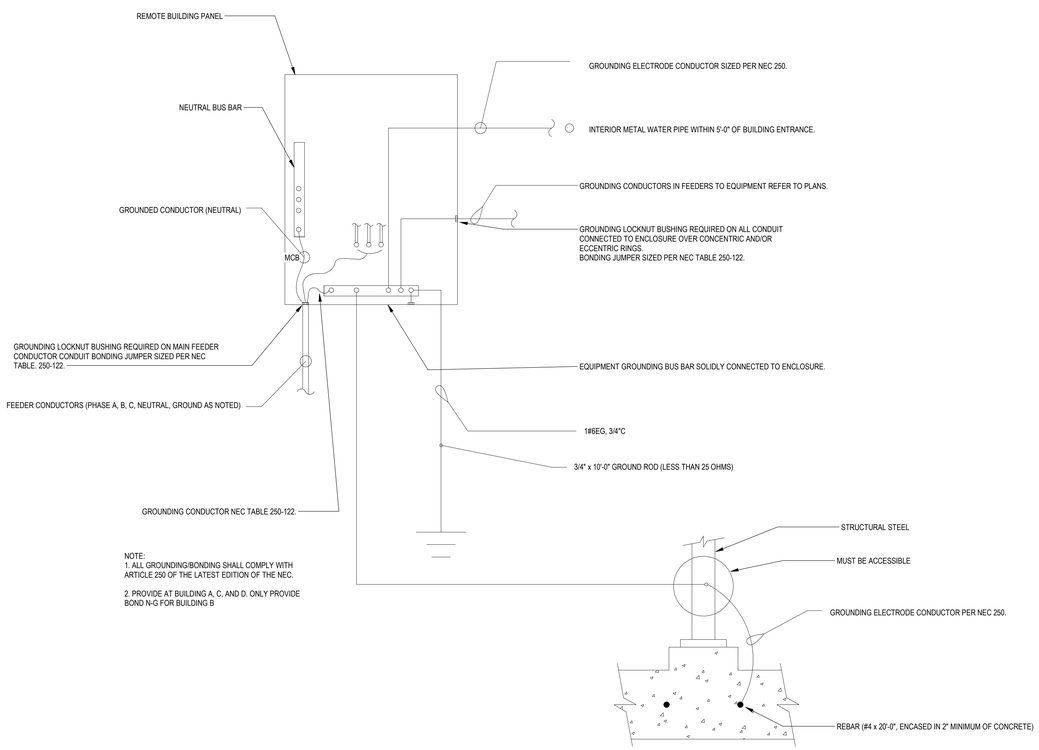


FEEDER SCHEDULE	
80	1-1/4"C, 3#2, #2N, #8G
200/2	2"C, 2-3/0, 3/0N, #6G
225	2-1/2"C, 3-4/0, 4/0N, #4G
400	(2)2"C, 3-3/0, 3/0N, #2G

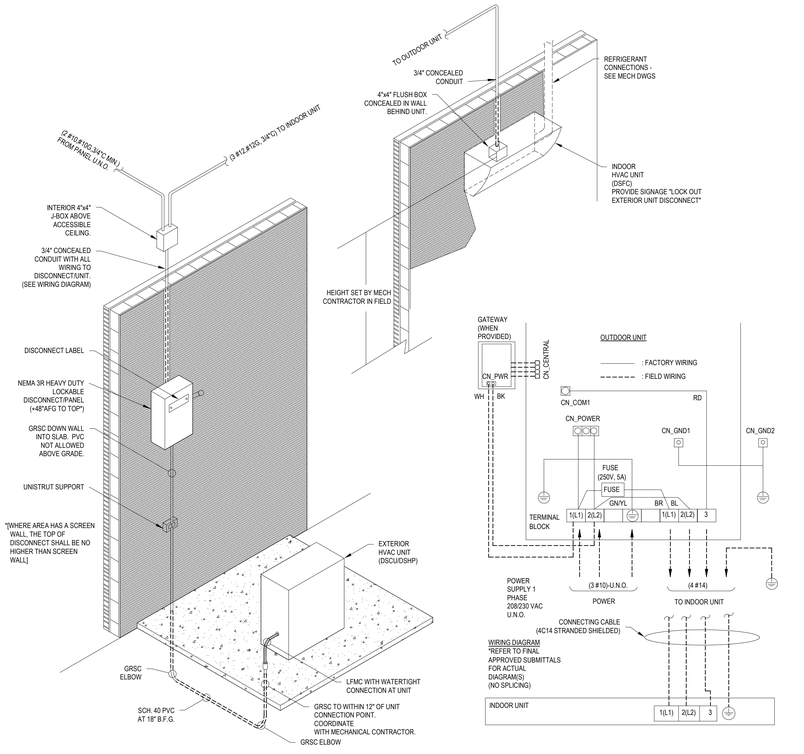
6 E5.1 ONE-LINE DIAGRAM
NOT TO SCALE



2 E5.1 EXTERIOR HVAC DISCONNECT
NOT TO SCALE



7 E5.1 SUPPLEMENTAL GROUND
NOT TO SCALE



4 E5.1 MINI-SPLIT HVAC CONNECTION
NOT TO SCALE

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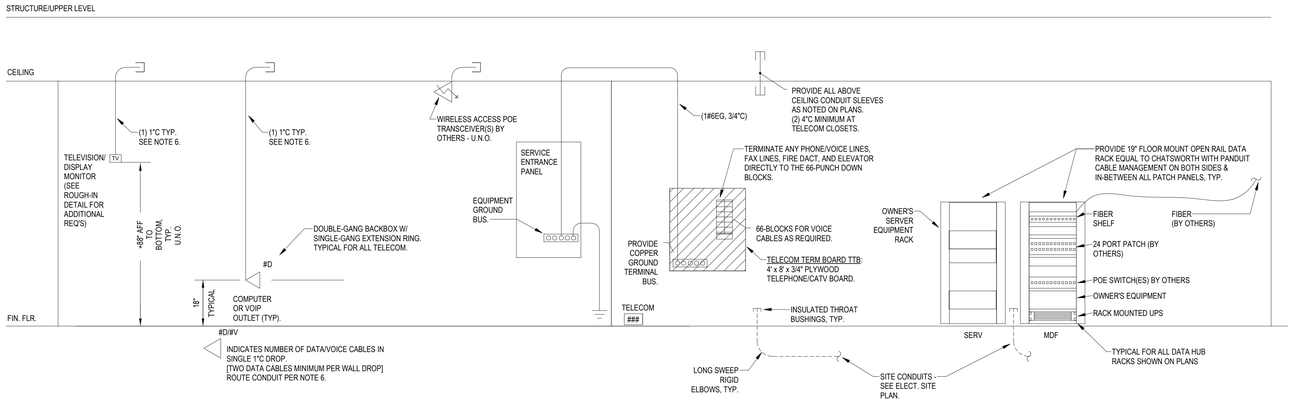
POWER RISER DIAGRAM

PUBLIC WORKS ADDITION
CITY OF PARAGOULD
PARAGOULD, ARKANSAS

CERTIFICATE OF AUTHORIZATION
LEWIS ARCHITECTS ENGINEERS
No. 106
ARKANSAS ENGINEER
ARKANSAS
STATE OF
REGISTERED PROFESSIONAL ENGINEER
No. 11859
SCOTT WOODWARD

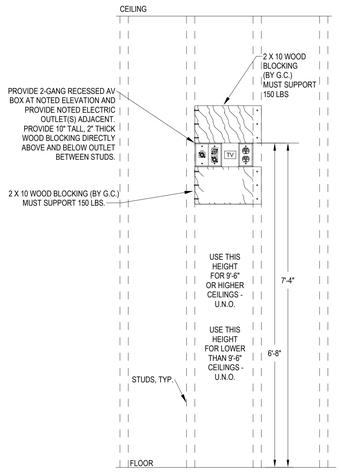
DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY: SW/CH
REVISION:

E5.1

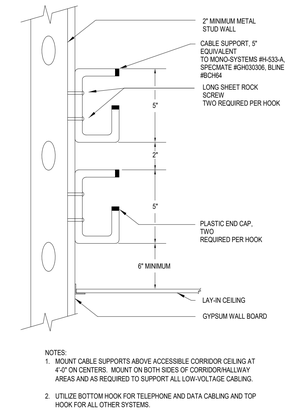


1. TELE/DATA SYSTEMS: CONTRACTOR TO PROVIDE ALL CONDUIT, BACKBOXES, SLEEVES, ETC. TO FACILITATE A COMPLETE SYSTEM. OWNER TO PROVIDE COMPUTER EQUIPMENT AND CROSS-CONNECTS TO THEIR SYSTEM, ETC.
2. TELEVISION/MONITORS: CONTRACTOR TO PROVIDE ALL CABLING, CONDUIT, BACKBOXES, SLEEVES, RACKS, PATCH PANELS, TESTING, ETC. TO FACILITATE A COMPLETE SYSTEM.
3. WIRELESS ACCESS POINTS: BY OWNER
4. PROVIDE PULLSTRING IN ALL CONDUITS.
5. PROVIDE PLASTIC BUSHINGS ON ALL CONDUIT STUB-UPS.
6. STUB CONDUITS TO ABOVE ACCESSIBLE CEILING TO WITHIN 2'-0" OF DATA HOOK. ALL CABLING SHALL BE SUPPORTED WITH CABLING HOOKS SPECIFIED.
7. PROVIDE ALL SLEEVES AT WALL/FIRE PARTITIONS. [TWO 4"C MIN FOR EACH SIDE OF STANDARD CORRIDOR PARTITIONS AND TWO 4" 3M FIRE-RATED PT4RD SLEEVES AT FIRE PARTITIONS].

2 E5.2 TELECOM RISER DIAGRAM
NOT TO SCALE



4 E5.2 TV BLOCKING DETAIL
NOT TO SCALE

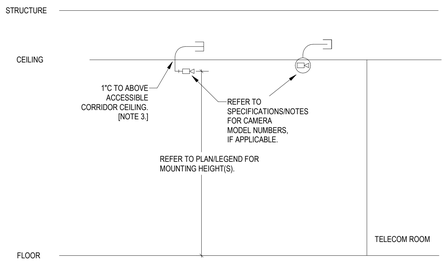


NOTES:
1. MOUNT CABLE SUPPORTS ABOVE ACCESSIBLE CORRIDOR CEILING AT 4'-0" ON CENTERS. MOUNT ON BOTH SIDES OF CORRIDOR/HALLWAY AREAS AND AS REQUIRED TO SUPPORT ALL LOW-VOLTAGE CABLING.
2. UTILIZE BOTTOM HOOK FOR TELEPHONE AND DATA CABLING AND TOP HOOK FOR ALL OTHER SYSTEMS.

1 E5.2 CABLE HOOK DETAIL
NOT TO SCALE

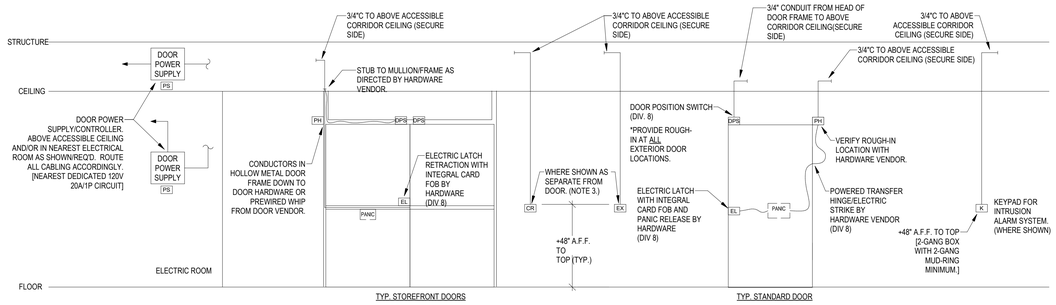
REFER TO MECHANICAL SHEETS FOR EXACT LOCATIONS/ORIENTATION.

3 E5.2 THERMOSTAT RISER
NOT TO SCALE



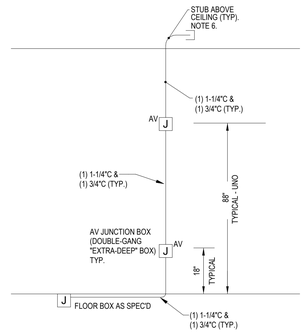
NOTES:
1. PROVIDE ALL 120V POWER AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
2. PROVIDE ALL CONDUITS AND BACK BOXES FOR A COMPLETE AND OPERATIONAL SYSTEM.
3. PROVIDE BACK-BOXES AS REQUIRED BY VENDOR. (2-GANG BOX WITH 2-GANG MUD RING AND BLANK WEATHER-PROOF FACEPLATE MINIMUM FOR "ROUGH-IN" ONLY PROJECT)
4. COORDINATE ALL REQUIREMENTS AND LOCATIONS WITH CONSTRUCTION MANAGER/GENERAL CONTRACTOR PRIOR TO BEGINNING WORK.
5. PROVIDE PULL-STRINGS IN ALL EMPTY CONDUITS.
6. PROVIDE PLASTIC BUSHINGS ON ALL CONDUIT STUB-UPS.
7. STUB CONDUITS TO ABOVE THE NEAREST ACCESSIBLE CORRIDOR CEILING.

9 E5.2 SECURITY CAMERA RISER
NOT TO SCALE



NOTES:
1. PROVIDE ALL 120V POWER AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
2. PROVIDE ALL CONDUITS AND BACK BOXES FOR A COMPLETE AND OPERATIONAL SYSTEM.
3. PROVIDE BACK-BOXES AS REQUIRED BY VENDOR. (1-GANG BOX AND BLANK FACEPLATE MINIMUM FOR "ROUGH-IN" ONLY PROJECT)
4. COORDINATE ALL REQUIREMENTS AND LOCATIONS WITH CONSTRUCTION MANAGER/GENERAL CONTRACTOR PRIOR TO BEGINNING WORK.
5. PROVIDE PULL-STRINGS IN ALL EMPTY CONDUITS.
6. PROVIDE PLASTIC BUSHINGS ON ALL CONDUIT STUB-UPS.
7. STUB CONDUITS TO ABOVE THE NEAREST ACCESSIBLE CORRIDOR CEILING.

8 E5.2 SECURITY RISER
NOT TO SCALE



6 E5.2 TV SYS RISER
NOT TO SCALE

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RAGSDALE • WOODWARD • INCORPORATED
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SYSTEM RISER DIAGRAM

PUBLIC WORKS ADDITION
CITY OF PARAGOULD
PARAGOULD, ARKANSAS

CERTIFICATE OF AUTHORIZATION
LEWIS ARCHITECTS ENGINEERS
No. 106
ARKANSAS ENGINEER

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11650
SCOTT H. WOODWARD

DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY: SW/CH
REVISION:

E5.2
7 OF 9

Dist. Panelboard: MDP

Location:
Supply From:
Mounting: SURFACE
Enclosure: Type 3R

Volts: 208Y/120
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Mains Type: MCB
Mains Rating: 1200.0 A
MCB Rating: 1200.0 A

Notes: SQUARED I-LINE NEMA 3R SER

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	AC-1	3	80.0 A	21000 VA	
2	AC-2	3	80.0 A	21000 VA	
3	DDS	3	400.0 A	62577 VA	
4	CDS	3	400.0 A	71483 VA	
5	LPB	3	400.0 A	26048 VA	
6	ADP	3	400.0 A	40923 VA	
7	SPD	3	50.0 A	0 VA	
8	SPARE	3	250.0 A	0 VA	
9	SPARE	3	250.0 A	0 VA	
10	SPACE	3	250.0 A	0 VA	
11	SPARE	3	150.0 A	0 VA	
12	SPACE	3	150.0 A	0 VA	
				243013 VA	
				674.5 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	6840 VA	100.00%	6840 VA		
RCPT	74940 VA	56.67%	42470 VA	**Total Conn. Load:**	243013 VA
LITES	2495 VA	125.00%	3118 VA	**Total Est. Demand:**	211445 VA
SPEC	153940 VA	100.00%	153940 VA	**Total Conn.:**	674.5 A
Lighting	3815 VA	100.00%	3815 VA	**Total Est. Demand:**	586.9 A
Lighting - Exterior	1120 VA	125.00%	1400 VA		

Notes: SQUARE D NQOD

PANELBOARD: A2

LOCATION: SHOP 100
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 225.0 A MLO
BUS AMPS: 225 AMPS

VOLTAGE: 208Y/120 V. 3 ø 4 W.
A.I.C. RATING: 10,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	P	CKT	A	B	C	CKT	P	BKR	LOAD DESCRIPTION
LIGHTING	20 A	1	1	0.5	1.1		2	1	20 A	RCPT
RCPT	20 A	1	3		0.9	0.5	4	1	20 A	RCPT
RCPT	20 A	1	5			0.2	6			
RCPT	20 A	1	7	0.2	0.2		8	1	20 A	RCPT
RCPT	20 A	1	9		0.2	0.2	10	1	20 A	RCPT
RCPT	20 A	1	11			0.2	0.2	12	1	20 A	RCPT
RCPT	20 A	1	13	0.2	0.4		14	1	20 A	Other
Other	20 A	1	15		0.4	0.4	16	1	20 A	Other
Other	20 A	1	17			0.4	0.2	18	1	20 A	Other
Other	20 A	1	19	0.2	0.4		20	2	20 A	Other
RCPT	20 A	1	21		0.4	0.0	22			
RCPT	20 A	1	23			0.5	0.0	24	1	20 A	SPARE
RCPT	20 A	1	25	0.4	0.0		26	1	20 A	SPARE
RCPT	20 A	1	27		0.5	0.0	28	1	20 A	SPARE
SPARE	20 A	1	29			0.0	0.0	30	1	20 A	SPARE
SPARE	20 A	1	31	0.0	0.0		32	1	20 A	SPARE
SPARE	20 A	1	33		0.0	0.0	34	1	20 A	SPARE
SPARE	20 A	1	35			0.0	0.0	36	1	20 A	SPARE
SPARE	20 A	1	37	0.0	0.0		38	1	20 A	SPARE
SPARE	20 A	1	39		0.0	0.0	40	1	20 A	SPARE
SPARE	20 A	1	41			0.0	0.0	42	1	20 A	SPARE
		TOTAL LOAD:		3 kVA	3 kVA	2 kVA				
		TOTAL AMPS:		30 A	30.8 A	14 A				

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
Other	2160 VA	100.00%	2160 VA		
RCPT	5760 VA	100.00%	5760 VA	**CONNECTED LOAD:**	8423 VA
LITES	470 VA	125.00%	587 VA	**ESTIMATED DEMAND:**	8540 VA
Lighting	75 VA	100.00%	75 VA	**CONNECTED CURRENT:**	23.4 A
				EST. DEMAND CURRENT:	23.7 A

NOTES: SQUARE D NQOD

PANELBOARD: LPB

LOCATION: DATA 212
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 400.0 A MLO
BUS AMPS: 400 AMPS

VOLTAGE: 208Y/120 V. 3 ø 4 W.
A.I.C. RATING: 22,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	P	CKT	A	B	C	CKT	P	BKR	LOAD DESCRIPTION
Lighting	20 A	2	1	0.6	0.3		2	2	20 A	Lighting
			3		0.6	0.3	4			
Lighting	20 A	2	5			0.2	0.5	6	1	20 A	Lighting
			7	0.2	0.5		8	1	20 A	Lighting
Lighting	20 A	1	9		0.2	0.4	10	1	20 A	Lighting - Exterior
Lighting	20 A	1	11			0.4	0.2	12	1	20 A	RCPT
Lighting	20 A	1	13	0.6	0.5		14	1	20 A	RCPT
RCPT	20 A	1	15		0.5	0.7	16	1	20 A	RCPT
RCPT	20 A	1	17			0.4	0.7	18	1	20 A	RCPT
RCPT	20 A	1	19	0.9	0.4		20	1	20 A	RCPT
RCPT	20 A	1	21		0.5	1.1	22	1	20 A	RCPT
RCPT	20 A	1	23			0.9	0.9	24	1	20 A	RCPT
RCPT	20 A	1	25	0.4	0.4		26	1	20 A	RCPT
RCPT	20 A	1	27		1.1	0.2	28	1	20 A	RCPT
RCPT	20 A	1	29			0.2	0.0	30	1	20 A	RCPT
RCPT	20 A	1	31	0.2	0.2		32	1	20 A	RCPT
RCPT	20 A	1	33		0.4	0.4	34	2	20 A	MOTORIZED GATE
LITES	20 A	1	35			0.0	0.0	36			
RCPT	20 A	1	37	0.2	0.2		38	1	20 A	RCPT
Other	20 A	1	39		0.4	0.0	40	1	20 A	RCPT
Other	20 A	1	41			0.5	0.8	42	2	30 A	DSCU-1
RCPT	20 A	1	43	0.4	0.8		44			
RCPT	20 A	1	45		0.5	0.4	46	1	20 A	Other
Other	20 A	1	47			0.2	0.4	48	1	20 A	RCPT
HT1	0 A	2	49	0.8	2.3		50	2	0 A	EWH1
			51		0.8	2.3	52			
SPARE	20 A	1	53			0.0	0.0	54	1	20 A	SPARE
SPARE	20 A	1	55	0.0	0.0		56	1	20 A	SPARE
SPARE	20 A	1	57		0.0	0.0	58	1	20 A	SPARE
SPARE	20 A	1	59			0.0	0.0	60	1	20 A	SPARE
		TOTAL LOAD:		9 kVA	10 kVA	6 kVA				
		TOTAL AMPS:		83 A	91.2 A	51 A				

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
Other	1800 VA	100.00%	1800 VA		
RCPT	12240 VA	90.85%	11120 VA	**CONNECTED LOAD:**	26048 VA
LITES	1999 VA	125.00%	2499 VA	**ESTIMATED DEMAND:**	25516 VA
SPEC	7500 VA	100.00%	7500 VA	**CONNECTED CURRENT:**	72.3 A
Lighting	2346 VA	100.00%	2346 VA	**EST. DEMAND CURRENT:**	70.8 A
Lighting - Exterior	350 VA	125.00%	438 VA		

NOTES: SQUARE D NQOD

Dist. Panelboard: ADP

Location:
Supply From: MDP
Mounting: SURFACE
Enclosure: NEMA 3R

Volts: 208Y/120
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 400.0 A
MCB Rating: 400.0 A

Notes:
SQUARE D I-LINE

CKT	Circuit Description	# of Poles	Trip Rating	Load	Remarks
1	EXISTING A	2	200.0 A	25000 VA	
2	A2	3	225.0 A	8423 VA	
3	PUMP STATION	3	60.0 A	7500 VA	
4	SPARE	3	250.0 A	0 VA	
5	SPACE	3	250.0 A	0 VA	
6	SPACE	3	150.0 A	0 VA	
				40923 VA	
				113.6 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	2160 VA	100.00%	2160 VA		
RCPT	5760 VA	100.00%	5760 VA	**Total Conn. Load:**	40923 VA
LITES	470 VA	125.00%	587 VA	**Total Est. Demand:**	41040 VA
SPEC	32500 VA	100.00%	32500 VA	**Total Conn.:**	113.6 A
Lighting	75 VA	100.00%	75 VA	**Total Est. Demand:**	113.9 A

Notes:

PANELBOARD: LPC

LOCATION: STORAGE 300
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 400.0 A MLO
BUS AMPS: 400 AMPS

VOLTAGE: 208Y/120 V. 3 ø 4 W.
A.I.C. RATING: 10,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	P	CKT	A	B	C	CKT	P	BKR	LOAD DESCRIPTION
Lighting	20 A	1	1	0.4	0.4		2	1	20 A	Other
Other	20 A	1	3			0.4	0.4	4	1	20 A	Other
Other	20 A	1	5				0.4	0.0	6	1	20 A	RCPT
RCPT	20 A	1	7	0.0	0.2				8	1	20 A	RCPT
RCPT	20 A	1	9			0.2	0.2		10	1	20 A	RCPT
RCPT	20 A	1	11				0.2	3.3	12			
EH-1	50 A	3	13	3.3	3.3				14	3	50 A	EH-2
			15			3.3	3.3		16			
			17				3.3	3.3	18			
EH-3	50 A	3	19	3.3	3.3				20	3	50 A	EH-4
			21			3.3	3.3		22			
			23				3.3	0.5	24	1	20 A	Lighting
RCPT	20 A	1	25	1.5	1.5				26	1	20 A	RCPT
			27			1.5			28	1	20 A	RCPT
RCPT	20 A	1	29				1.5	1.5	30	1	20 A	RCPT
			31		1.5				32	1	20 A	RCPT
RCPT	20 A	1	33			1.5	1.5		34	1	20 A	RCPT
SPEC	20 A	1	35				0.2	3.8	36	2	50 A	WELDING
WELDING	50 A	2	37	3.8	3.8				38			
			39			3.8	0.3		40	2	20 A	EF-7
EF-8	20 A	2	41				0.3	0.3	42			
			43	0.3	0.0				44	1	20 A	RCPT
SPARE	20 A	1	45			0.0	0.4		46	1	20 A	Lighting - Exterior
SPARE	20 A	1	47					0.0	0.0	48	1	20 A	SPARE
SPARE	20 A	1	49	0.0	0.0				50	1	20 A	SPARE
SPARE	20 A	1	51			0.0	0.0		52	1	20 A	SPARE
SPARE	20 A	1	53					0.0	0.0	54	1	20 A	SPARE
SPARE	20 A	1	55	0.0	0.0				56	1	20 A	SPARE
SPARE	20 A	1	57			0.0	0.0		58	1	20 A	SPARE
SPARE	20 A	1	59				0.0	0.0	60	1	20 A	SPARE
		TOTAL LOAD:		26 kVA	23 kVA	22 kVA				
		TOTAL AMPS:		221 A	196.7 A	182 A				

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
Other	1440 VA	100.00%	1440 VA		
RCPT	27720 VA	68.04%	18860 VA	**CONNECTED LOAD:**	71483 VA
LITES	26 VA	125.00%	33 VA	**ESTIMATED DEMAND:**	62734 VA
SPEC	41306 VA	100.00%	41306 VA	**CONNECTED CURRENT:**	198.4 A
Lighting	586 VA	100.00%	586 VA	**EST. DEMAND CURRENT:**	174.1 A
Lighting - Exterior	420 VA	125.00%	525 VA		

NOTES: SQUARE D NQOD

PANELBOARD: LPD

LOCATION: STORAGE 400
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 400.0 A MLO
BUS AMPS: 400 AMPS

VOLTAGE: 208Y/120 V. 3 ø 4 W.
A.I.C. RATING: 10,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	P	CKT	A	B	C	CKT	P	BKR	LOAD DESCRIPTION
EH-8	30 A	3	1	2.5	2.5		2	3	30 A	EH-7
			3			2.5	2.5	4			
			5				2.5	2.5	6			
EH-6	30 A	3	7	2.5	2.5				8			
			9			2.5	2.5		10	3	30 A	EH-5
			11					2.5	2.5	12			
Lighting	20 A	1	13	0.2	0.4				14	1	20 A	BAY DOOR
BAY DOOR	20 A	1	15			0.4	0.4		16	1	20 A	BAY DOOR
BAY DOOR	20 A	1	17					0.4	0.2	18	1	20 A	RCPT
RCPT	20 A	1	19	0.2	0.2				20	1	20 A	RCPT
RCPT	20 A	1	21			0.0	0.9		22	1	20 A	Lighting - HIGH BAYS
RCPT	20 A	1	23					1.5	1.5	24	1	20 A	RCPT
RCPT	20 A	1	25	1.5	1.5				26	1	20 A	RCPT
RCPT	20 A	1	27			1.5	1.5		28	1	20 A	RCPT
RCPT	20 A	1	29					1.5	1.5	30	1	20 A	RCPT
RCPT	20 A	1	31	1.5	0.6				32	1	20 A	SPEC
SPEC	20 A	1	33			0.1	3.8		34	2	50 A	WELDING
WELDING	50 A	2	35				3.8	3.8	36			
			37	3.8	0.2				38	1	20 A	RCPT
Lighting - WALL PACKS	20 A	1	39			0.4	0.0		40	1	20 A	SPARE
SPARE	20 A	1	41					0.0	0.0	42	1	20 A	SPARE
SPARE	20 A	1	43	0.0	0.0				44	1	20 A	SPARE
SPARE	20 A	1	45			0.0	0.0		46	1	20 A	SPARE
SPARE	20 A	1	47					0.0	0.0	48	1	20 A	SPARE
SPARE	20 A	1	49	0.0	0.0				50	1	20 A	SPARE
SPARE	20 A	1	51			0.0	0.0		52	1	20 A	SPARE
SPARE	20 A	1	53					0.0	0.0	54	1	20 A	SPARE
SPARE	20 A	1	55	0.0	0.0				56	1	20 A	SPARE
SPARE	20 A	1	57			0.0	0.0		58	1	20 A	SPARE
SPARE	20 A	1	59					0.0	0.0	60	1	20 A	SPARE
		TOTAL LOAD:		20 kVA	19 kVA	24 kVA				
		TOTAL AMPS:		166 A	156.1 A	202 A				

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
Other	1440 VA	100.00%	1440 VA		
RCPT	29220 VA	67.11%	19610 VA	**CONNECTED LOAD:**	62577 VA
SPEC	30634 VA	100.00%	30634 VA	**ESTIMATED DEMAND:**	53053 VA
Lighting	957 VA	100.00%	957 VA	**CONNECTED CURRENT:**	173.7 A
Lighting - Exterior	350 VA	125.00%	438 VA	**EST. DEMAND CURRENT:**	147.3 A

NOTES: SQUARE D NQOD

LEWIS ARCHITECTS ENGINEERS
ELLIOTT • MCMORRAN • VADEN
RAGSDALE • WOODWARD • INCORPORATED
501 223 9302 • WWW.LEWVRW.COM

PANEL SCHEDULES

PUBLIC WORKS ADDITION
CITY OF PARAGOULD
PARAGOULD, ARKANSAS

CERTIFICATE OF AUTHORITY
LEWIS ARCHITECTS ENGINEERS
No. 186
ARKANSAS ENGINEER
ARKANSAS

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 11859
SCOTT WOODWARD

DATE: 2024 08-16
PROJECT NO: 23044
DRAWN BY: SW/CH
REVISION:

E6.1

ELECTRICAL GENERAL NOTES

1. DUE TO THE SMALL SCALE OF THE PLANS AND THE DIAGRAMMATIC NATURE OF ELECTRICAL PLANS IN GENERAL IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, JUNCTION BOXES, ETC. WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING HIS WORK AND SHALL COORDINATE AND ARRANGE HIS WORK ACCORDINGLY.
2. PROVIDE LAMINATED NAMEPLATES ON ALL ELECTRICAL GEAR PER THE SPECIFICATIONS. SCREW OR POP RIVET TO COVERS. ALL SAFETY SWITCHES SHALL BE HEAVY DUTY, NON-FUSED, 240V OR 600V, SOLID NEUTRAL, NEMA 1 OR NEMA 3R AS APPLIES UNLESS NOTED OTHERWISE.
3. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS NOTED OTHERWISE. SLEEVE ALL RACEWAYS ROUTED THRU FOOTINGS OR GRADE BEAMS. CONTRACTOR SHALL FIRESTOP PER SPECIFICATIONS ALL CONDUIT PENETRATIONS THRU RATED WALLS. VERIFY FIRE RATED WALL LOCATIONS WITH ARCHITECTURAL PLANS. CONTRACTOR SHALL COORDINATE WITH PLUMBING CONTRACTOR AND AVOID ANY WATER CARRYING PIPE INSTALLATION ABOVE ELECTRICAL GEAR AND/OR APPARATUS. SET SCREW AND INDENTER TYPE CONDUIT FITTINGS ARE NOT ALLOWED. ALL INTERIOR EXPOSED RACEWAY SHALL BE PAINTED AS DIRECTED BY ARCHITECT.
4. ALL CONDUIT, JUNCTION AND OUTLET BOXES, AND RELATED ROUGH-IN MATERIAL ARE TO BE CONCEALED UNDER FLOORS, IN WALLS AND ABOVE FINISHED CEILINGS WHERE POSSIBLE UNLESS NOTED OTHERWISE IN THE SPECIFICATIONS OR ON THE DRAWINGS. ALL CONDUITS SHALL BE ROUTED OVERHEAD UNLESS NOTED OTHERWISE OR SHOWN AS BELOW GRADE TO A DEVICE.
5. ALL CONDUCTORS SHALL BE COPPER WITH A MINIMUM SIZE CONDUCTOR OF #12 A.W.G. PROVIDE SOLID TYPE 'THW' OR 'THHN' FOR #12 A.W.G. AND #10 A.W.G. ALL FEEDER AND MOTOR/EQUIPMENT CONDUCTORS SHALL BE COPPER TYPE 'THHN' OR 'THWN'.
6. ALL EQUIPMENT SHALL BE BRACED FOR EARTHQUAKE. LIGHT FIXTURES TO HAVE EARTHQUAKE CLIPS AND INDEPENDENT SUPPORT WIRES AT OPPOSITE CORNERS. ALL CEILING MOUNTED EQUIPMENT SUCH AS LIGHT FIXTURES SHALL BE SECURED TO THE STRUCTURE WITH #12 GA STEEL WIRE ON TWO (2) SIDES. IN ADDITION, LIGHT FIXTURES SHALL BE SECURED TO THE CEILING WITH FACTORY UL LISTED EARTHQUAKE CLIPS.
7. AT LOCATIONS WHERE TRENCHES ARE BELOW BOTTOM OF FOOTING ELEVATION AND WITHIN SIX FEET OF THE EDGE OF THE FOOTING, TRENCHES SHALL BE BACKFILLED IN LIFTS, COMPACTED AND TESTED. REFER TO STRUCTURAL DRAWINGS FOR FOUNDATION NOTES FOR BACKFILL PROCEDURES. PROVIDE PULLSTRINGS FOR ALL CONDUIT STUBS/SLEEVES.
8. PROVIDE A MIN. OF (2) 4"C ON BOTH SIDES OF CORRIDOR PARTITIONS. PROVIDE (2) 3M# PT4RD FIRE-RATED SEALS AT FIRE-RATED PARTITIONS. PROVIDE SPEC-SEAL FIRESTOP PILLOWS IN ALL OTHER SLEEVES AND PENETRATIONS AT FIRE-RATED WALLS.
9. ALL CIRCUITS, LIGHTING AND POWER, SHALL HAVE DEDICATED NEUTRAL CONDUCTORS WITH ONE PER EACH HOT CONDUCTOR-(NO SHARING OF NEUTRALS). ONLY 3 "HOT" CIRCUITS ALLOWED PER HOMERUN - U.N.O.
10. ALL OF THE FOLLOWING RECEPTACLES SHALL BE GFCI TYPE:
    a.) RECEPTACLES FOR ELECTRIC WATER COOLERS
    b.) RECEPTACLES IN BATHROOMS OR WITHIN 6'-0 OF A SINK
    c.) NEMA 5-20R RECEPTACLES FOR A KITCHEN OR CONCESSION AREA.
    d.) EXTERIOR RECEPTACLES SHALL BE GFCI AND WEATHER RESISTANT "WR" TYPE.
    Note: FEED THROUGH PROTECTION OF GFCI OUTLETS ARE NOT ALLOWED.
11. PROVIDE EXTRA HEAVY DUTY HOSPITAL GRADE TYPE RECEPTACLES FOR ALL PATIENT TREATMENT AREAS SUCH AS, BUT NOT LIMITED TO: EXAM, TREATMENT, TRIAGE, SLEEPING, X-RAY AND DIAGNOSTIC OR IMAGING ROOMS.
12. MOUNT EXTERIOR DISCONNECTS FOR HVAC/MECHANICAL EQUIPMENT AT +48"A.F.G. TO TOP OF DISCONNECT OR, WHERE APPLICABLE, TOP OF DISCONNECT AT TOP OF ADJACENT SURROUNDING SCREEN WALL; WHICHEVER IS LOWER. COORDINATE LOCATIONS OF ALL DISCONNECTS WITH FINAL EQUIPMENT LOCATIONS PRIOR TO BEGINNING WORK AS NOT TO IMPEDE ANY EQUIPMENT ACCESS OR VIOLATE ANY NEC CLEARANCES REQUIREMENTS.
13. THE FINAL TYPEWRITTEN ELECTRICAL PANEL SCHEDULES SHALL REFLECT THE ACTUAL ROOM DESCRIPTIONS AND NUMBERS DEPICTED ON FINAL INSTALLED ROOM SIGNAGE. (FIELD VERIFY FOR ACCURACY).
14. LOW-VOLTAGE, AUDIO/VISUAL AND INTERACTIVE DISPLAY BOARD CONDUITS ARE SIZED IN ACCORDANCE WITH VENDORS INSTALLING/UTILIZING "RAPIDRUN" OR "EZ-PULL" TYPE CABLES TO EQUIPMENT. CONTRACTORS PROVIDING AUDIO/VISUAL CABLING UNDER THIS PROJECT/CONTRACT SHALL UTILIZE THESE TYPES OF CABLES.
15. LIGHT FIXTURES SUBMITTED/PROVIDED SHALL MEET THE REQUIREMENTS OF THE DESIGNLIGHTS CONSORTIUM AND/OR BE ENERGYSTAR CERTIFIED.
16. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND SUBMITTING ALL POWER PACKS, RELAYS, SENSORS, CABLING, ETC AS REQUIRED TO PROVIDE COMPLETE AND OPERATIONAL OCCUPANCY CONTROLS IN COMPLIANCE WITH THE LATEST ENERGY CODES.
17. ALL CONDUITS ENTERING THE BUILDING FROM BELOW GRADE SHALL BE SEALED OFF FROM WATER INFILTRATION WITH CONDUIT SEALANT SYSTEM EQUAL TO POLY-WATER FST SYSTEM. ALL EMPTY STUBBED UP CONDUITS SHALL ALSO BE PROVIDE WITH THREADED CAP FOR COVER.
18. PROVIDE HANDLE-LOCK-OFF TYPE BREAKERS FOR ALL CIRCUITS FEEDING ELECTRIC RESISTIVE HEATERS (EH-#, CH-#, EDH-# FOR EXAMPLE).
19. PROVIDE TAMPER-RESISTANT TYPE RECEPTACLES IN ALL LOCATIONS AS REQUIRED BY NEC 406.12

ELECTRICAL SEISMIC NOTES

1. THE PROPOSED SCHOOL PROJECT IS CLASSIFIED AS SEISMIC DESIGN CATEGORY D AND SEISMIC USE GROUP 2 WITH COMPONENT IMPORTANCE FACTOR (Ip) = 1.0.
2. THE CONTRACTOR SHALL BE FAMILIAR WITH SECTION 1621 OF THE LATEST INTERNATIONAL BUILDING CODE (IBC) AND ARKANSAS AMENDMENT SUCH THAT THE SYSTEMS AND THE COMPONENTS ARE INSTALLED TO COMPLY.
3. BECAUSE THE COMPONENTS OF THESE FACILITIES HAVE A COMPONENT IMPORTANCE FACTOR (Ip) = 1.0, THE FOLLOWING ELECTRICAL COMPONENTS ARE EXCEMPT FROM THE REQUIREMENTS OF SECTION 1621:
    - 3.1 COMPONENTS WHICH HAVE FLEXIBLE CONNECTIONS BETWEEN THE ASSOCIATED EQUIPMENT, PIPING AND CONDUIT, ARE MOUNTED 4 FEET OR LESS ABOVE FLOOR LEVEL, AND WEIGH 400 POUNDS OR LESS. COMPONENTS WEIGHING 20 POUNDS OR LESS DO NOT HAVE A HEIGHT RESTRICTION.
    - 3.2 CONDUIT SUPPORTED BY ROD HANGERS WHICH ARE 12" OR LESS IN] LENGTH FROM TOP OF PIPES TO STRUCTURE. THE HANGERS MUST BE RIGID CONSTRUCTION WHICH WILL NOT BE SUBJECT TO BENDING.
    - 3.3 COMPONENTS SUPPORTED BY CHAINS OR SIMILARLY SUSPENDED FROM ABOVE ARE NOT REQUIRED TO MEET THE LATERAL SEISMIC FORCE REQUIREMENTS AND SEISMIC RELATIVE DISPLACEMENT REQUIREMENTS PROVIDED THAT THEY CANNOT BE DAMAGED OR CANNOT DAMAGE ANY OTHER COMPONENT WHEN SUBJECTED TO SEISMIC MOTION AND THEY HAVE DUCTILE OR ARTICULATING CONNECTIONS TO THE STRUCTURE AT THE POINT OF ATTACHMENT. THE GRAVITY DESIGN LOAD FOR THESE ITEMS SHALL BE THREE TIMES THEIR OPERATING LOAD.
4. ALL CEILING MOUNTED EQUIPMENT SUCH AS LIGHT FIXTURES SHALL BE SECURED TO THE STRUCTURE WITH #12 GA STEEL WIRE ON TWO (2) SIDES. IN ADDITION, LIGHT FIXTURES SHALL BE SECURED TO THE CEILING WITH FACTORY UL LISTED CLIPS

NOTE: "C-CLAMP" CONNECTORS ARE NOT ACCEPTABLE EVEN WITH EXCEPTIONS.

MINIMUM WIRING NOTES

WHETHER SHOWN OR NOT - THE CONTRACTOR SHALL PROVIDE THE MINIMUM WIRE NOTED BELOW FOR ALL EQUIPMENT CONNECTIONS:

MOCP/BREAKER:	WIRE:
20A	#12AWG
25A-30A	#10AWG
35A-40A	# 8AWG
45A-55A	# 6AWG
55A-70A	# 4AWG
70A-85A	# 3AWG
85A-100A	# 2AWG

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
	LIGHT FIXTURE - REFER TO SCHEDULE, TYPICAL
	INDICATES EMERGENCY EGRESS FIXTURE ["EM"]
	LIGHT STRIP/COVE FIXTURE - REFER TO SCHEDULE
	CEILING MOUNTED LIGHT FIXTURE - REFER TO SCHEDULE
	WALL MOUNTED LIGHT FIXTURE - REFER TO SCHEDULE
	EXIT LIGHT - CHEVRONS AS NOTED (BRACKET INDICATES WALL MOUNT)
	EMERGENCY BATTERY LIGHT (TYPE DENOTED)
	CEILING FAN WITH T-BAR SUPPORT (REFER TO DETAIL/SCHEDULE)
	POLE/WALL MOUNTED LIGHT (TYPE DENOTED)
	TRACK AND TRACK LIGHT (TYPES DENOTED)
	LIGHTING CHANNEL WIRE (TYPE DENOTED)
OS	OCCUPANCY SENSOR - CEILING MOUNT 360DEG INFRARED TYPE
OS	OCC SENSOR - CEILING MOUNT CORRIDOR ULTRASONIC TYPE (AIM DOWN CORRIDOR)
OS	OCC SENSOR - CEILING MOUNT 360DEG DUAL-TECHNOLOGY TYPE
OS	OCCUPANCY SENSOR - DIRECTIONAL DUAL-TECHNOLOGY TYPE
	OCC SENSOR - WALL MOUNT +8'-0"AFF UNO - SEE DETAIL
$OS	OCC SENSOR - FLUSH WALL SWITCH @ +48"AFF TO TOP OF SWITCH
LS	LIGHT LEVEL SENSOR - TYPE DENOTED
	PHOTOCELL "PEC"
$T	DIGITAL TIMER SWITCH - FLUSH MOUNT @ +48"AFF TO TOP OF SWITCH
$	SWITCH - SINGLE POLE, 4'-0" A.F.F.
$2	TWO-POLE TOGGLE DISC. SWITCH-MTD AS NOTED
$3	SWITCH - THREE WAY, 4'-0" A.F.F.
$4	SWITCH - FOUR WAY, 4'-0" A.F.F.
ab$c	a,b,c INDICATES ZONE CONTROLLED, TYP.
$D	DIMMER - 4'-0" A.F.F. - TYPE AS NOTED/REQUIRED BY MANU' OF FIXTURE BEING CONTROLLED - SUBMIT WITH LIGHTING PACKAGE.
$LV	LOW VOLTAGE SWITCH - TYPE AS NOTED/SPECIFIED MOUNT BACKBOX AS REQ'D AT 4'-0" A.F.F. TO TOPWITH 3/4"C MIN. TO ABOVE ACCESSIBLE CEILING. [LVM - INDICATES "MASTER"]
$K	INDICATES KEYED SWITCH
$F	VARIABLE SPEED CONTROLLER FOR CEILING FAN - 4'-0" A.F.F. REFER TO CEILING FAN SPECIFICATION FOR MODEL NUMBER.
	SW. W/PILOT
R	LIGHTING RELAY / LOW VOLTAGE CONTROL PACK
HEIGHT:	[+48"AFF, IN REGARDS TO ALL LIGHTING SWITCHES, IS TO THE TOP OF BOX]

SYMBOL	DESCRIPTION
	RECEPTACLE, DUPLEX - 18" A.F.F. UNLESS NOTED OTHERWISE.
	RECEPT ON EMERGENCY CKT (DUPLEX SHOWN)
	RECEPTACLE, DUPLEX "SPLIT-WIRED" AT 18"A.F.F. - U.N.O.
	ISOLATED GROUND RECEPT (DUPLEX SHOWN)
	RECEPTACLE, DUPLEX - CEILING FLUSH MOUNT. PROVIDE 6FT WHIP FROM J-BOX ABOVE CEILING TO RECEPTACLE LOCATION.
	SPECIAL PURPOSE OUTLET
	CONDUIT COUPLING - CONNECT TO EQUIPMENT AS REQUIRED.
	INDICATES ABOVE COUNTER [TYPICALLY, +6" TO BOTTOM OF BOX FROM COUNTERTOP HEIGHT - U.N.O.]
	RECEPTACLE (DOUBLE DUPLEX) - 18" A.F.F. - U.N.O.
	SPECIAL RECEPTACLE, NEMA STYLE AS NOTED - VERIFY SIZE WITH EQUIPMENT [TYPICALLY, +18" AFF - U.N.O.]
	DUPLEX/QUAD RECPT IN FLUSH MOUNTED FLOORBOX, SEE PLANS FOR COOR'D WITH SYSTEMS FLOOR BOX(ES) [MULTI-GANG WALKER RFB6-OG SERIES - U.N.O.]
	RECEPT ON DROP CORD (DUPLEX SHOWN)
	RECEPT ON CORD REEL (DUPLEX SHOWN)
	240 VOLT RECEPT (TYPE AS NOTED)
HEIGHT:	[+18", IN REGARDS TO RECEPTACLES, IS TO THE CENTERLINE OF BOX]
$M	MANUAL MOTOR STARTER, SQUARE 'D' TYPE FG w/ OVERLOAD PROTECTION IN ALL PHASES. MOUNT AT 4'-0" A.F.F. TO TOP AND MARK WITH BAKELITE LABEL AS DETAILED.
	COMBINATION MOTOR STARTER AND DISCONNECT SWITCH W/HOA SWITCH, RUN PILOT LIGHT AND AUX. CONTACTS
	FUSED DISCONNECT - w/GROUNDING LUG, SIZE/FUSE AS NOTED ON PLANS
	DISCONNECT SWITCH - w/GROUNDING LUG, SIZE AS NOTED ON PLANS
	ENCLOSED CIRCUIT BREAKER
	ELECTRIC ELEMENT - SIZE AS NOTED (MAKE ALL FINAL CONNECTIONS)
	EQUIPMENT - SIZE AS NOTED ON PLANS (MAKE ALL FINAL CONNECTIONS)
	MOTOR - SIZE AS NOTED ON PLANS (MAKE ALL FINAL CONNECTIONS)
	SURFACE MOUNTED PANEL BOARD
	FLUSH MOUNTED PANEL BOARD
	PUSHBUTTON - TYPE AS INDICATED ON PLANS.
	METER SOCKET - AS REQ'D BY UTILITY
	GROUND ROD
	GROUND ROD (PLAN VIEW)
	ANTENNA
	POWER POLE
T	TELEPHONE PEDESTAL
	LIGHTNING PROTECTION AIR TERMINAL

SYMBOL	DESCRIPTION
F	INTERIOR: FIRE ALARM HORN/SPKR - MTD. AT 80" A.F.F. TO BOTTOM - U.N.O. EXTERIOR: RE-ENTRANT HORN/SPKR - 24" BELOW ROOF LINE, U.N.O. (11'-6" MAX. HGT.).
F	FIRE ALARM, STROBE ONLY, 80" A.F.F.
	FIRE ALARM, SPKR / STROBE COMBINATION, 80" A.F.F.
P F	FIRE ALARM STATION - PULL STATION, 4'-0" A.F.F.
TS /	WATER SUPERVISORY TAMPER SWITCH
DH /	MAGNETIC DOOR HOLD OPEN - TYPE AS NOTED IN FIRE ALARM GENERAL NOTES/SPECIFICATIONS.
S	SD - SMOKE DETECTOR - AUTOMATIC, ADDRESSABLE, CEILING MOUNTED
	HD - HEAT DETECTOR - AUTOMATIC, ADDRESSABLE, CEILING MOUNTED
S	'DSD' DENOTES DUCT SMOKE DETECTOR (SUP=SUPPLY/RET=RETURN)
F	FIRE ALARM, STROBE ONLY, CEILING MOUNT FA NOTES: "cd"= CANDELA RATING
	FA, CEILING SPKR / STROBE COMBINATION
S FA / FA	FA, CEILING SPEAKER ONLY
FS /	WATER SUPERVISORY FLOW SWITCH
	REMOTE TEST/STATUS STATION
FR /	INDICATES FA ADDRESSABLE RELAY
HEIGHT:	[+48", IN REGARDS TO FIRE ALARM, IS TO THE TOP OF BOX] [+80", IN REGARDS TO FIRE ALARM, IS TO THE BOTTOM OF BOX]
	CATV COAX OUTLET - MOUNT AT HEIGHT NOTED (F-CONNECTOR)
	VOICE/TELEPHONE JACK OUTLET @ 18" A.F.F.
	DATA/COMPUTER JACK OUTLET @ 18" A.F.F.
	COMPUTER/TELE. COMBO OUTLET @ 18" A.F.F.
	WIRELESS ACCESS POINT - CEILING
	FLUSH MOUNTED FLOOR BOX, SEE PLANS FOR COOR'D WITH POWER FLOOR BOX(ES) TELE/DATA OR COMBO AS INDICATED (MULTI-GANG WALKER RFB6-OG - U.N.O.)
TV	COMBINATION RECEPTACLE AND LOW-VOLTAGE "AV" CABLING IN MULTI-GANG BOX MOUNT AT HEIGHT NOTED/DETAILED ON RISER
	TELECOM TERMINAL BOARD: 4FTx8FTx3/4" FIRE-RATED PLYWOOD - U.N.O.
	CABLE TRAY - TYPE AND MOUNTING AS DETAILED
HEIGHT:	[IN REGARDS TO TELECOM, MATCH RECEPTACLE HEIGHTS: +18"AFF / "AC" IS +6" COUNTERTOP]

SYMBOL	DESCRIPTION
	BELL - MTD. AT 12" BELOW CEILING INTERIOR, 24" BELOW ROOFLINE EXTERIOR(11'-6" MAX. HGT.).
	DOOR BUZZER
	DIGITAL CLOCK-MTD. AT 12" BELOW CEILING INTERIOR, (11'-6" MAX. HGT.) PROVIDE DOUBLE-FACE U.N.O. / ("S") INDICATES SINGLE-FACE
I / $IC	INTERCOM CALL-SWITCH, 4'-0" A.F.F. TO TOP OF BOX
IC	INTERCOM TWO-WAY TELEPHONE HANDSET. MOUNT 4'-0" A.F.F. TO TOP OF BOX WHERE SHOWN AS WALL-MOUNT. ("ADMIN" INDICATES ADMINISTRATIVE TELEPHONE)
S / S	SPEAKER - CEILING MOUNTED 8" ROUND / 2x2 AS SPEC'D INTERCOM/PAGING U.N.O. [RN INDICATES SOUND REINFORCE, FA - FIRE, AV- AUDIO/VISUAL]
S	SPEAKER - WALL MOUNTED 12" BELOW CEILING INTERIOR, (11'-6" MAX. HGT.) ARCHITECTURAL GRADE
S	LOUDSPEAKER/HORN - MOUNT AT HEIGHT NOTED (11'-6" MAX UNO)
	VOLUME CONTROL
MIC / M	MICROPHONE OUTLET
HEIGHT:	[+48", IN REGARDS TO INTERCOM, IS TO THE TOP OF BOX]
K /	KEYPAD - INTRUS.
D / MC	MAGNETIC CONTACT(SECURITY)
EM	ELECTROMAGNETIC LOCK - ACCESS CONTROL
PIR	PIR SENSOR FOR DOOR RELEASE
PS	SECURITY/DOOR POWER SUPPLY
PH	ELECT POWER TRANSFER HINGE
PANIC	PANIC HARDWARE DOOR RELEASE
CR	CARD READER - ACCESS
EX	EXIT REQUEST BUTTON - ACCESS CONTROL
RC	READER CONTROLLER
PB	DOOR RELEASE PB / TWO-WAY INTERCOM
MD / GB	MOTION DETECTOR / GLASS BREAK
ES	ELECTRIC DOOR STRIKE /
EL	ELECTRIC LATCH
	CEILING CAMERA - CCTV
	WALL CAMERA - CCTV
HEIGHT:	[IN REGARDS TO SECURITY, +48"AFF IS TO TOP OF BOX - UNO]

SYMBOL	DESCRIPTION
TS / T	THERMOSTAT/TEMP SENSOR - PROVIDE BOX AS REQ'D BY MECHANICAL AT 4'-0" A.F.F. TO TOP WITH 3/4"C MIN. TO ABOVE ACCESSIBLE CEILING. [SEE MECH PLANS FOR LOCATIONS]
	MULTIOUTLET ASSEMBLY (TYPE DENOTED)
	SOLENOID VALVE
J	JUNCTION BOX - FINAL CONNECTION TO EQUIPMENT AS REQUIRED
J	EQUIPMENT J-BOX - TYPE AS SHOWN/NOTED - CONNECT TO EQUIPMENT AS REQUIRED
	WIRE DESIGNATIONS - HOT, SWITCH, NEUTRAL, GROUND, ISOLATED GROUND, RESPECTIVELY.
	WIRE IN CONDUIT-CEILING OR WALL
	HOMERUN TO PANEL
	CONDUIT STUB/SLEEVE
	WEATHERHEAD - SIZE AS NOTED ON PLANS
	WIRE IN CONDUIT - UNDERFLOOR. (SEE REQ'S IN SPECS)

ABBREVIATIONS:
WP - WEATHERPROOF (3R)
NS - NON-SWITCHED
EM - INDICATES EMERGENCY EGRESS FIXTURE
TC - TIME CLOCK
LC - LIGHTING CONTACTOR
FA - FIRE ALARM
EWC - ELECTRIC WATER COOLER(GFI BREAKER)
U.N.O. - UNLESS NOTED OTHERWISE
ER - EXISTING RELOCATED
WG - WIRE PROTECTIVE GUARD
1G/1G - SINGLE GANG BOX / SINGLE GANG RING
*- DASHED INDICATES EXISTING OR BELOW GRADE AS NOTED
AC - ABOVE COUNTER
HP - HORSEPOWER
C - CONDUIT ("EMT" OR "RIGID" AS SPECIFIED)
PVC - ELECT GRADE PVC CONDUIT (SCH. AS NOTED)
WM - SURFACE MOUNTED RACEWAY (WIREMOLD)
AV - INDICATES AUDIO/VISUAL DEVICE
SB - INDICATES INTERACTIVE DISPLAY BOARD
A.F.F. - INDICATES ABOVE FINISHED FLOOR
A.F.G. - INDICATES ABOVE FINISHED GRADE
B.F.G. - INDICATES BELOW FINISHED GRADE
F.D.S. - FUSIBLE DISCONNECT SWITCH
N.F.D.S. - NON-FUSIBLE DISCONNECT SWITCH

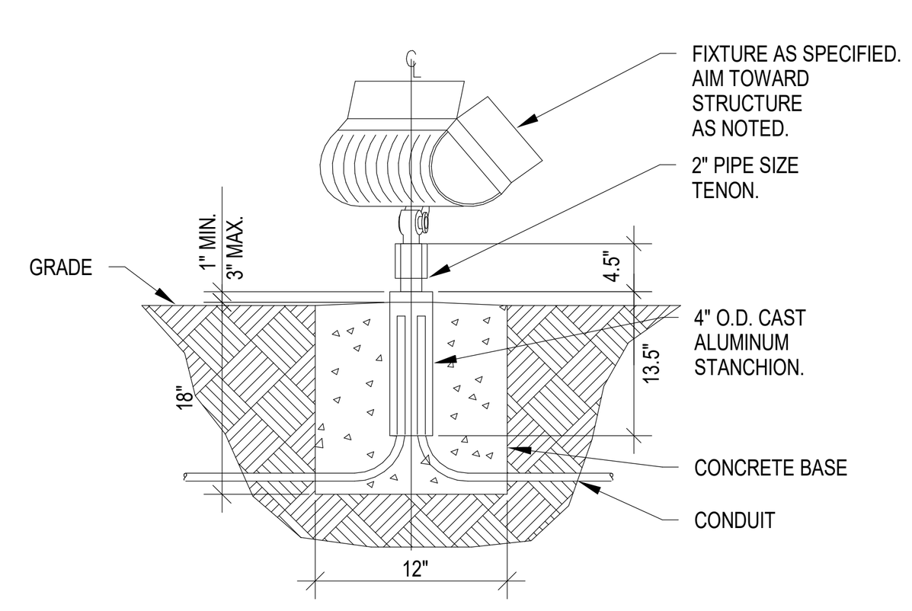
RECEPTACLES:
GFCI INDICATES GROUND FAULT CIRCUIT INTERRUPTER TYPE
CLG INDICATES CEILING
T INDICATES TAMPER-RESISTANT TYPE
U INDICATES DUPLEX POWER WITH "USB" OUTLETS
IG INDICATES ISOLATED GROUND TYPE
(PROVIDE SEPARATE NEUTRALS/GROUNDS ON ALL "IG" CIRCUITS)

EOHE	EXISTING OVERHEAD ELECTRICAL
EUGE	EXISTING UNDERGROUND ELECTRICAL
OHE	OVERHEAD ELECTRICAL
UGE	UNDERGROUND ELECTRICAL
UGT	UNDERGROUND TELEPHONE
UTV	UNDERGROUND CABLE (TELEVISION)
UFO	UNDERGROUND FIBER OPTIC
UC	UNDERGROUND SYSTEMS CONDUIT
X X X	INDICATES UTILITY TO BE REMOVED
(P) - (S)	(P-INDICATES PRIMARY; S-INDICATES SECONDARY)

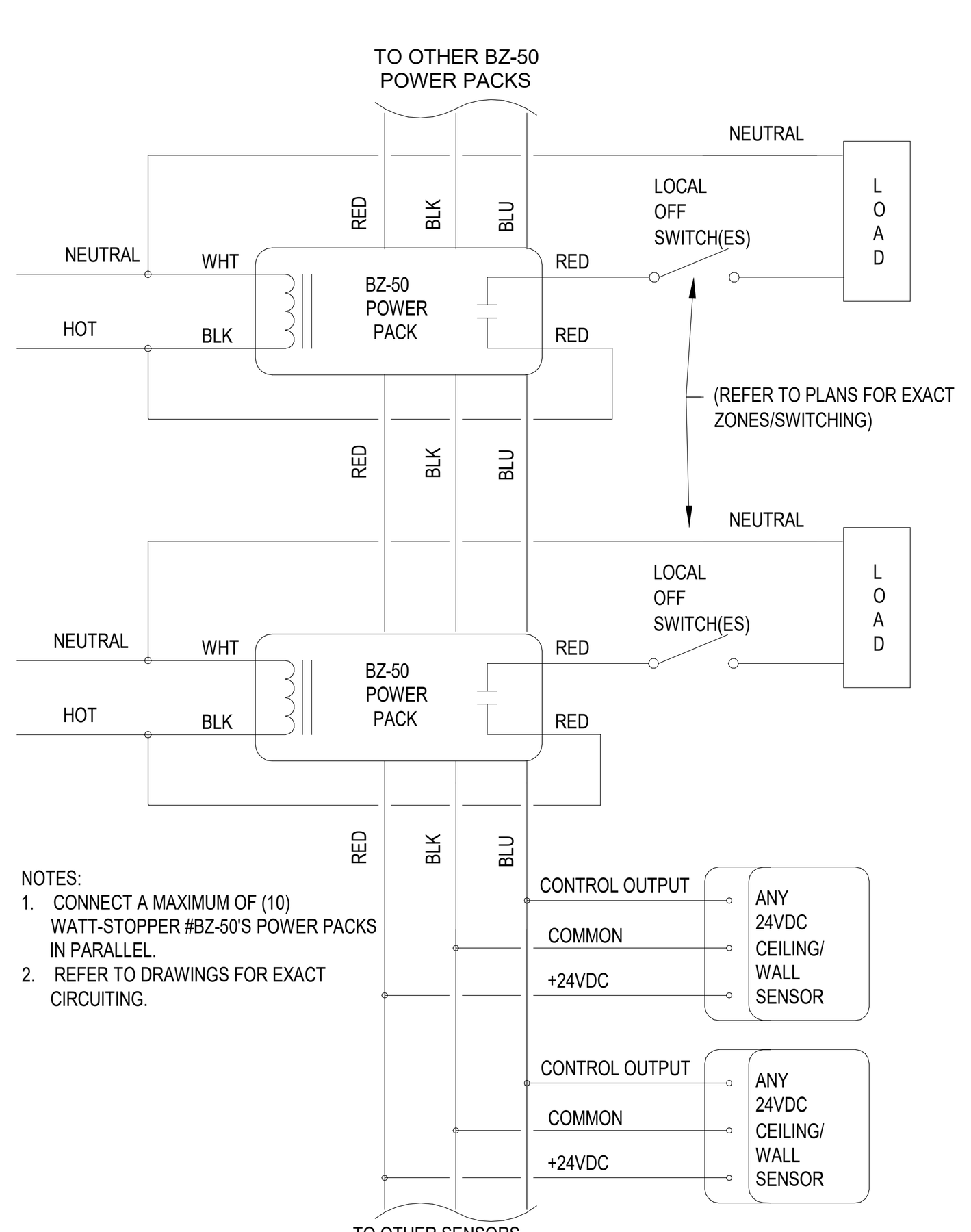
LIGHT FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	MODEL	WATTAGE	VOLTAGE	NOTES
A	2 x 2 RECESSED TROFFER	LITHONIA	CPX-2X2-4000LM-80CRI-40K-SWL-MIN10-MVOLT	30.2	UNV	-
A1	1 x 4 RECESSED TROFFER	LITHONIA	CPX-1X4-4000LM-80CRI-40K-SWL-MIN10-MVOLT	35.2	UNV	-
A2	2 x 4 RECESSED TROFFER	LITHONIA	CPX-2X4-4000LM-80CRI-40K-SWL-MIN10-MVOLT	26.1	UNV	-
A3	2 x 4 RECESSED TROFFER	LITHONIA	CPX-2X4-6000LM-80CRI-40K-SWL-MIN10-MVOLT	44.1	UNV	-
C	6" RECESSED ARCHITECTURAL DOWNLIGHT	GOTHAM	EVO-40/20-6AR-WD-LSS-MVOLT-EZ1	23.2	UNV	-
D	LINEAR UTILITY STRIP FIXTURE	LITHONIA	ZL1N-L48-3000LM-FST-MVOLT-40K-80CRI-WH	25	UNV	CHAIN MOUNT TO +10'-0" AFF WHERE NO CEILING
D1	INDUSTRIAL HIGH LUMEN UTILITY STRIP	LITHONIA	TMSL 8000LM L/LV MVOLT GZ10 40K 80CRI FINISH	58	UNV	CHAIN MOUNT TO +X'-X" AFF - UNO
G	WALL MOUNT EXTERIOR EGRESS FIXTURE	LITHONIA	AFF-FINISH-EXT	21	UNV	WALL MOUNT AT +8'-0" AFF - UNO
R	WALL MOUNT TWO-HEADED EMERGENCY EGRESS LIGHT	LITHONIA	ELM4L-FINISH	12	UNV	WALL MOUNT AT +9'-0" AFF - UNO
R2	WALL MOUNT HIGH OUTPUT EMERGENCY EGRESS LIGHT (2hr)	LITHONIA	ELM6L-FINISH-HO	16	UNV	WALL MOUNT AT +12'-0" AFF - UNO
SA	EXTERIOR TYPE 4 AREA LIGHT - SINGLE HEAD	LITHONIA	DSX0 LED P6 40K TFTM XVOLT OR MVOLT	197	208	PROVIDE CONFIGURATIONS AS SHOWN ON PLANS. UTILIZE POLE TYPE: SSS405G (DMXXAS) FINISH
SB	EXTERIOR TYPE 4 AREA LIGHT - 2 HEAD @ 90	LITHONIA	DSX0 LED P6 40K TFTM XVOLT OR MVOLT	197	208	PROVIDE CONFIGURATIONS AS SHOWN ON PLANS. UTILIZE POLE TYPE: SSS405G (DMXXAS) FINISH
W1	EXTERIOR WALL MOUNT COMMERICAL AREA LIGHT	LITHONIA	TWR1 LED P3 40K MVOLT BBBTXD	69	UNV	REFER TO ARCH ELEVATIONS FOR MOUNTING HEIGHT(S)
X	EMERGENCY EXIT LIGHT	LITHONIA	LQC-FINISH-1/2-R-ELN	2	UNV	WALL MOUNT AT +8'-0" AFF WHERE SHOWN AS SUCH.
Y	HIGH BAY ROUND FIXTURE	LITHONIA	JEBL-12000LM-PFL-MVOLT-40K-80CRI-WGX-DWHXD	93	UNV	MOUNT TO BOTTOM OF STRUCTURE
Z	FLOOD LIGHT	LITHONIA	DSXF2 LED P2 40K WFR MVOLT-IS-FINISH-STANCHION	78	UNV	PROVIDE 18" STANCHION MOUNT AS DETAILED ON PLANS

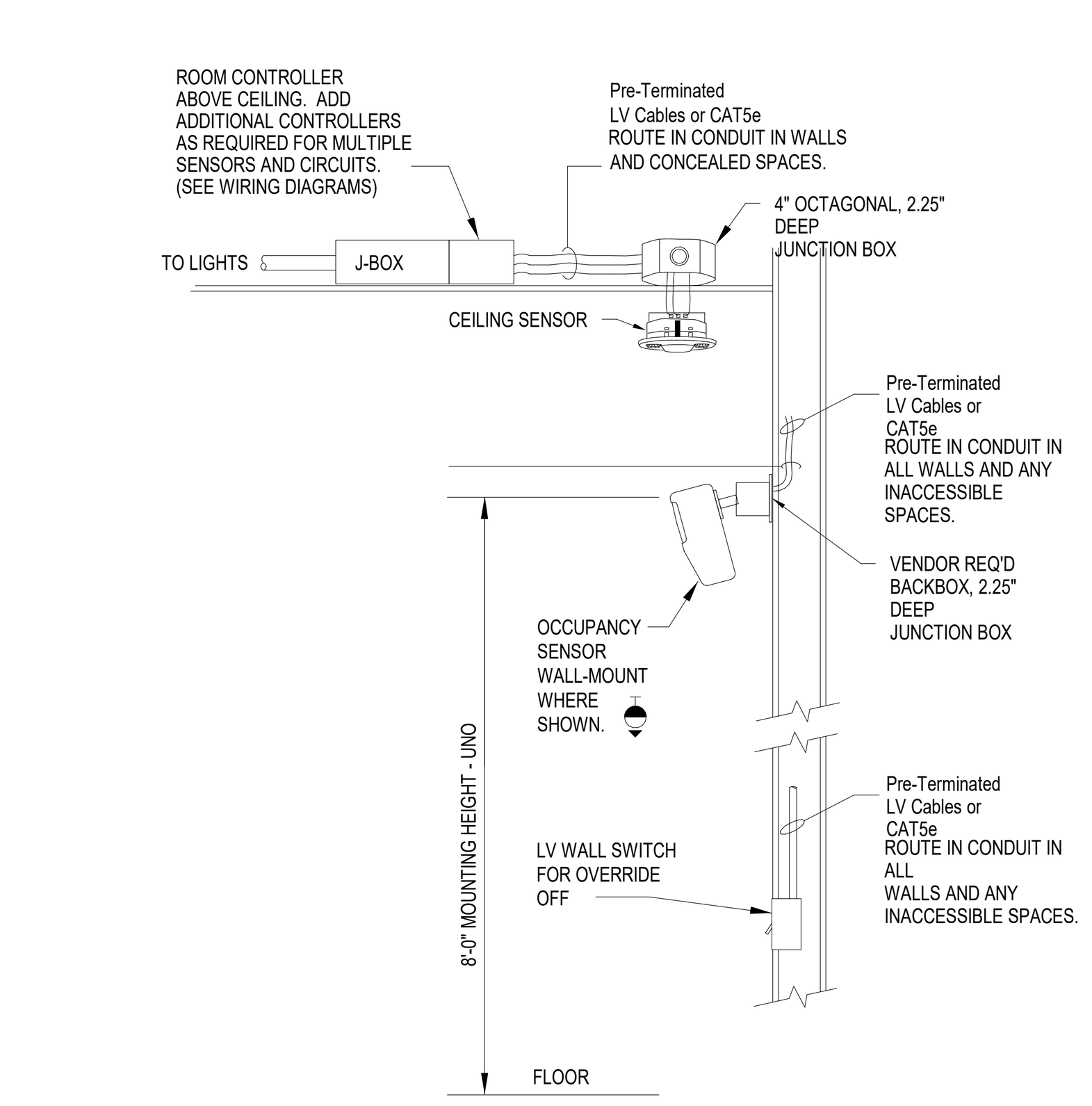
COMMENTS:
1. ALL HEIGHTS ARE IN REGARDS TO THE CENTERLINE OF FIXTURE - UNO.
2. ALL EXIT SIGNS SHALL BE PROVIDED WITH THE PROPER FACES/CHEVRONS AS REQUIRED. ALL EXIT SIGNS AND "R"/"G" EGRESS ONLY TYPE FIXTURES ARE TO BE NON-SWITCHED.
3. CONTRACTOR SHALL PROVIDE/SUBMIT COMPATIBLE LOW-VOLTAGE DIMMER SWITCHES WITH THE FINAL SELECTED FIXTURE SUBMITTALS.
4. PROVIDE PROTECTIVE WIRE-GUARDS FOR ALL FIXTURES LOCATED IN SHOP WORKING AREA AND/OR IN SIMILAR ACTIVITY AREAS.



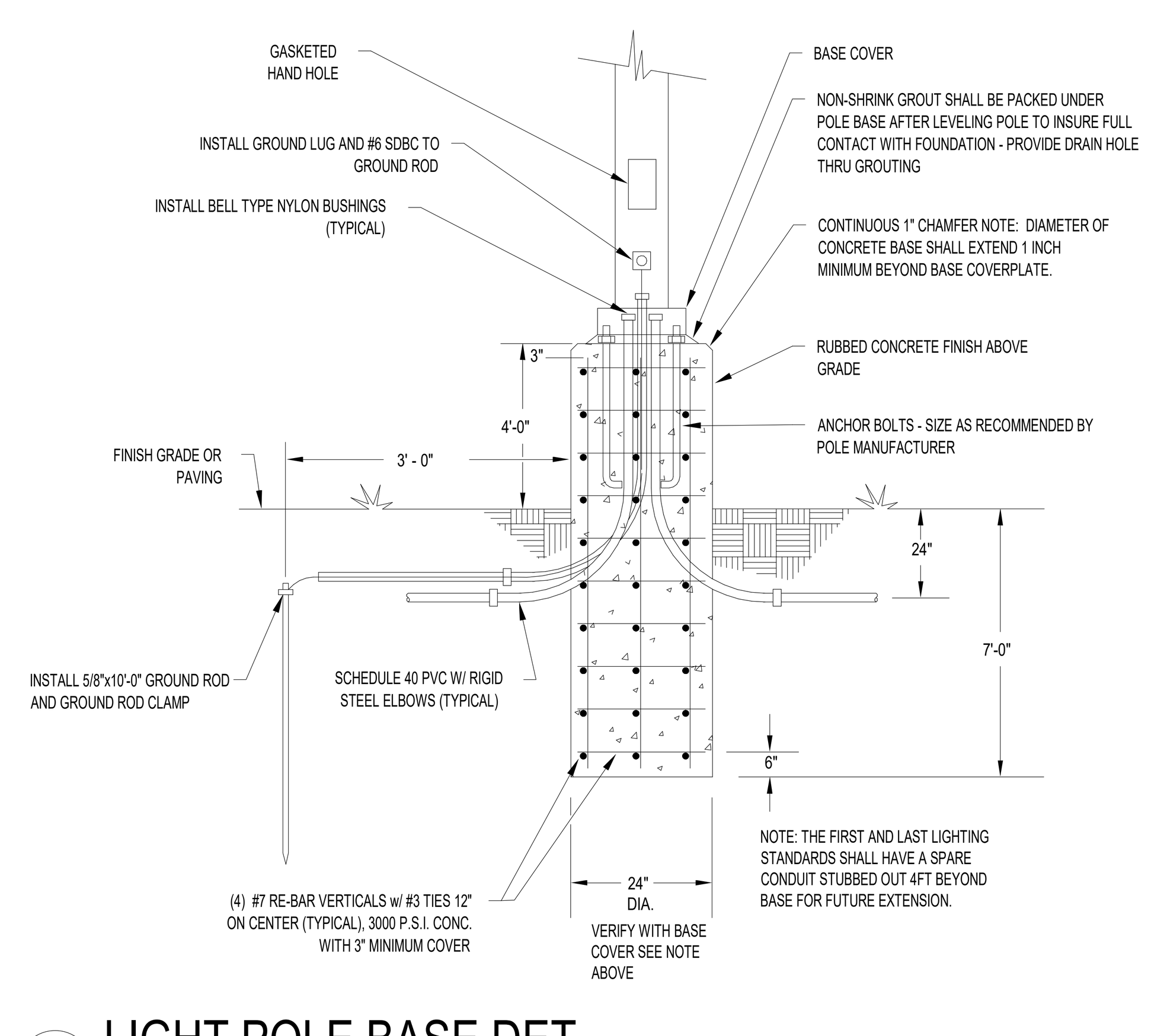
3 E7.1 LIGHT STANCHION DETAIL
NOT TO SCALE



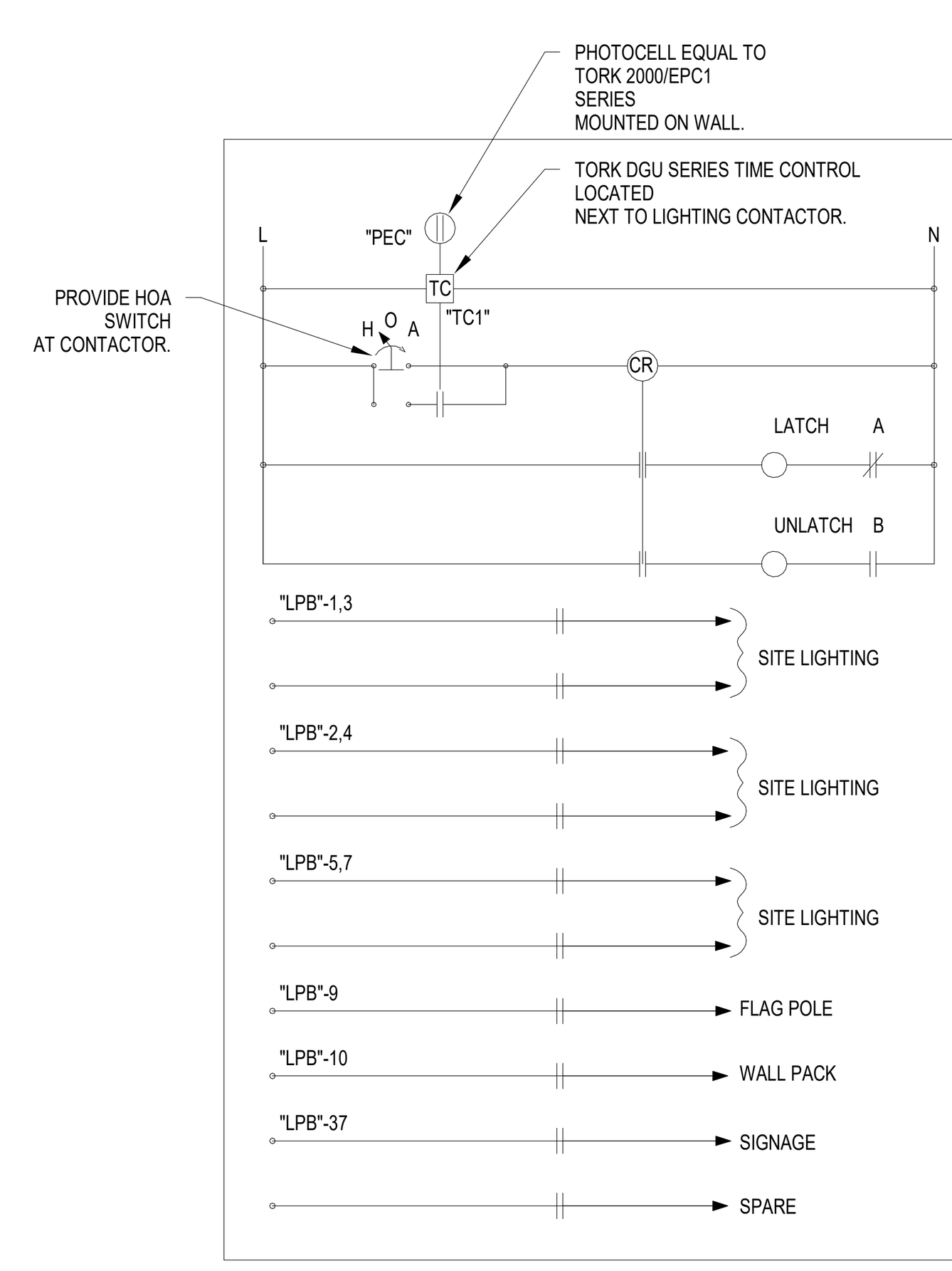
5 E7.1 OCC SENSOR DETAIL
NOT TO SCALE



6 E7.1 OCC SENSOR MOUNT GENERAL
NOT TO SCALE



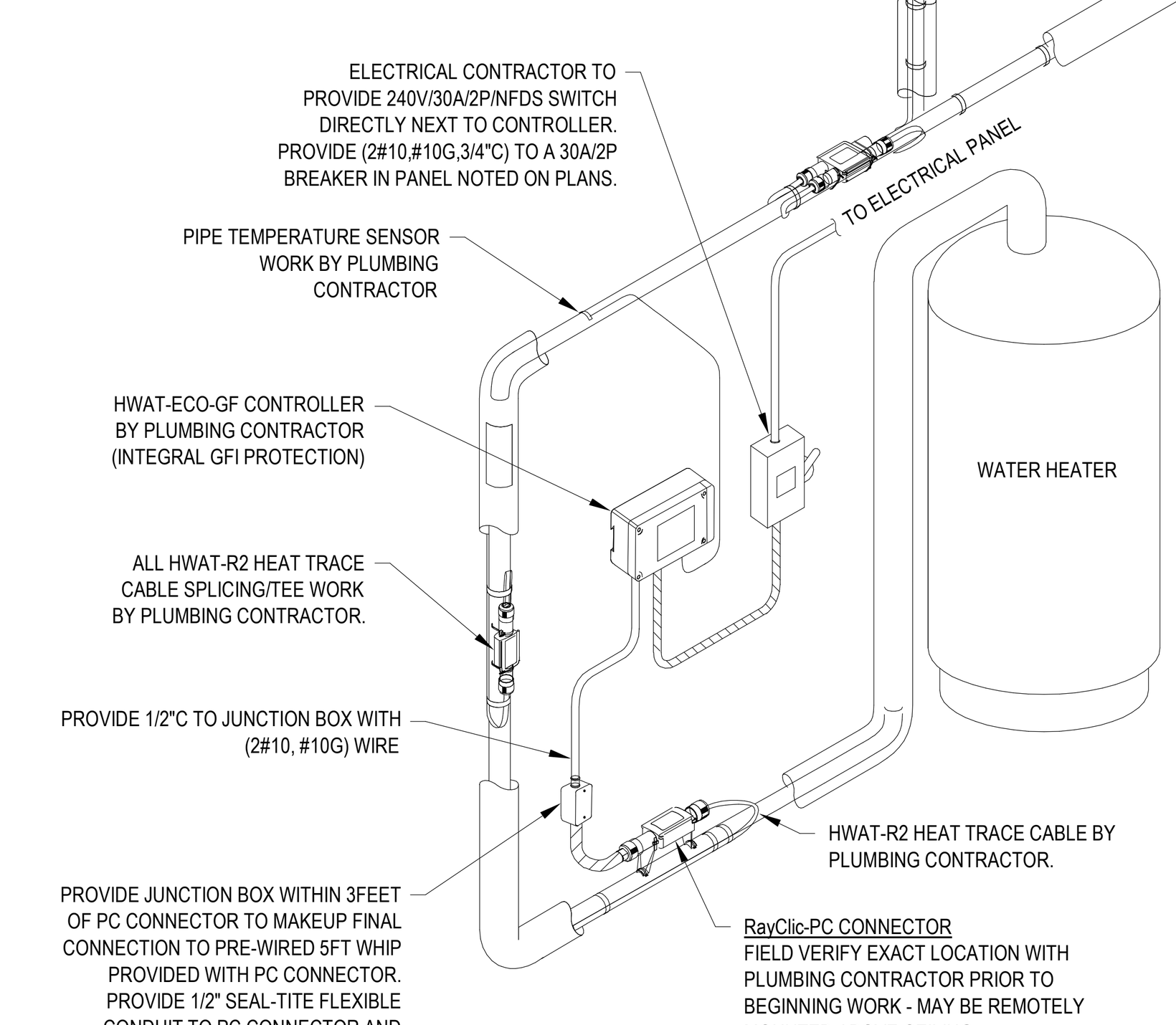
2 E7.1 LIGHT POLE BASE DET
NOT TO SCALE



"LC-B"

MECHANICALLY HELD LIGHTING CONTACTOR IN NEMA 1 ENCLOSURE EQUIVALENT TO SQUARE D 8903-LXG-100-V02/V04 WITH 120V/277V CONTROL RELAY LOCATED IN ELECTRICAL ROOM. PROVIDE VOLTAGE AS SHOWN.

4 E7.1 LC-B
NOT TO SCALE



11 E7.1 HEAT TRACE CONNECTION
NOT TO SCALE

ELLIOTT • MCMORRAN • VADEN
RAGSDALE • WOODWARD • INCORPORATED
501 223 9302 • WWW LEMVRW COM
LEWIS ARCHITECTS ENGINEERS

LEGENDS & DETAILS/ LIGHT FIXTURE SCHEDULE

PUBLIC WORKS ADDITION
CITY OF PARAGOULD
PARAGOULD, ARKANSAS

CERTIFICATE OF AUTHORIZATION LEWIS ARCHITECTS ENGINEERS No. 186 ARKANSAS ENGINEER
STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 11659 SCOTT P. WOODWARD

DATE:	2024 08-16
PROJECT NO:	23044
DRAWN BY:	SW/CH
REVISION:	

E7.1