OCCUPANCY CALCULATIONS

OCCUPANCY	AREA	OCCUPANT LOAD FACTOR	AREA OCCUPANCY	EGRESS INCHES PER OCCUPANT	EGRESS INCHES REQ'D
FINISHED FLOOR					
ASSEMBLY	814 SF	15 SF	54	0.20	10.9
BUSINESS	2,256 SF	150 SF	15	0.20	3.0
STORAGE	12,398 SF	300 SF	41	0.20	8.3
FINISHED FLOOR	15,468 SF		111		22.1
MEZZANINE					
STORAGE	1,418 SF	300 SF	5	0.20	0.9
MEZZANINE	1,418 SF		5		0.9
TOTAL	16,886 SF		115		23.1

EGRESS DISTANCES

EXIT PATH	EXIT PATH DISTANCE
A	81' - 4"
B	86' - 2"
C	228' - 3"
D	29' - 6"
E	56' - 0"
F	94' - 5"

LIFE SAFETY SYMBOL LEGEND

- PATH OF EGRESS
- # PATH OF EGRESS #
- # ROOM NUMBER
- 1 HR FIRE WALL
- 2 HR FIRE WALL (1)
- SOUND RATED WALL
- ASSEMBLY AREA ("A" OCCUPANCY)
- BUSINESS AREA ("B" OCCUPANCY)
- STORAGE AREA ("S1" OCCUPANCY)
- F.E.C. FIRE EXTINGUISHER
- FEC FIRE EXTINGUISHER CABINET
  - **SRC-1**: SEMI-RECESSED
  - **WHE-1**: WALL HUNG EXTINGUISHER (WITH CLIP OR BRACKET)
- DIRECTION OF EGRESS
- 68.5" CLR. / 100 / 340 — CLEAR WIDTH OF EGRESS COMPONENT; MAX. EGRESS CAPACITY; ACTUAL OCCUPANT LOAD
- ROOM NAME / 200 SF / S-2 / 100 / 2 — FLOOR AREA (NET OR GROSS AS REQUIRED); OCCUPANT LOAD; OCCUPANT LOAD FACTOR; OCCUPANCY CLASSIFICATION

PLUMBING FIXTURE COUNT

	OCCUPANCY LOAD	WATERCLOSETS		LAVATORIES		DRINKING FOUNTAINS	SERVICE SINK
		MALE	FEMALE	MALE	FEMALE		
ASSEMBLY	59	0.24	0.46	.15	.15	.12	
BUSINESS	14	.28	.28	.18	.18	.14	
STORAGE (S-1)	46	.23	.23	.23	.23	.05	
TOTAL	**119**	**.75**	**.97**	**.56**	**.56**	**.31**	
REQUIRED		**1**	**1**	**1**	**1**	**1**	**1**
PROVIDED		**2**		**2**		**1**	**2**

PLUMBING FIXTURE NOTES:

1. PER TABLE 403.1 OF 2018 ARKANSAS PLUMBING CODE
2. PER SECTION 403.2, WHERE PLUMBING FIXTURES ARE REQUIRED, SEPARATE FACILITIES SHALL BE PROVIDED FOR EACH SEX.

CODE NOTES

PROJECT DESCRIPTION:

THE WORK BEING PERFORMED IN THIS PROJECT IS AN ADDITION TO AN EXISTING TRUCK SHED. THE EXISTING TRUCK SHED HAS < 10% REWORK. THE ADDITION INCLUDES A CONDITIONED MAINTENANCE SHOP WHICH INCLUDES A PARTS ROOM, FAB SHOP, SHOP BAYS, SMALL MEZZANINE, AND A OFFICE AREA. IN ADDITION THERE IS A SMALL COVERED STORAGE ON THE SOUTH END OF THE NEW ADDTION. ON THE NORTH SIDE OF THE EXISTING TRUCK SHED WILL BE A NEW WASH BAY FOR TRUCKS. BOTH NEW STRUCTURES ARE A PRE-ENGINEERED METAL BUILDING SYSTEM WITH METAL PANEL FINISH.

APPLICABLE CODES:

INCLUDED BUT NOT LIMITED TO THE LATEST ADOPTED ADDITIONS OF THESE CODES AS AMENDED BY THE STATE OF **ARKANSAS**

- **2021 ARKANSAS BUILDING CODE**
- **2021 ARKANSAS MECHANICAL CODE**
- **2020 NATIONAL ELECTRIC CODE**
- **2018 ARKANSAS PLUMBING CODE**
- **2021 ARKANSAS FIRE PREVENTION CODE**
- **2020 NATIONAL ENERGY CODE**
- **2018 ARKANSAS FUEL GAS CODE**

TYPE OF CONSTRUCTION:

TYPE II-B SPRINKLERED,
NUMBER OF STORIES: 1

OCCUPANCY CLASSIFICATION:

GROUP S1 OCCUPANCY

ALLOWABLE AREA:

ALLOWABLE AREA BASED ON 506.2
ALLOWABLE AREA = 70,000 SF PER FLOOR

ALLOWABLE MEZZANINE FLOOR AREA = 2/3 OF ROOM SQ FT
MEZZANINE ROOM LOCATED IN PARTS ROOM 103; 1,269 SQ FT x 2/3 = **846 ALLOABLE SQ FT FOR MEZZANINE**

ACTUAL AREA:

FIRST FLOOR SHOP: 13,125 SQ FT
FIRST FLOOR WASH BAY: 2,668 SQ FT
FIRST FLOOR TOTAL: **15,793 SQ FT**
MEZZANINE LEVEL: **832 SQ FT**

SEPERATION: (1)

2HR SEPERATION BETWEEN EXISTING STRUCTURE (TRUCK SHED) AND NEW SHOP
2HR SEPERATION BETWEEN EXISTING STRUCTURE (TRUCK SHED) AND NEW WASH BAY

EGRESS:

PER 1005.3.1 STAIRS WIDTH (.2" PER OCCUPANT (SPRINKLERED))= .2" X 5 OCCUPANTS = 1" OR 36" MIN.

PROVIDED STAIR WIDTH = 1 EGRESS STAIRS @ 36" EA. = (**36" TOTAL STAIR EGRESS WIDTH FROM MEZZANINE LEVEL)**

EGRESS WIDTH REQUIREMENTS (OTHER/NONSTAIR) - SECTION 1005.3.2

CORRIDOR RATING - TABLE 1020.2 = **0**

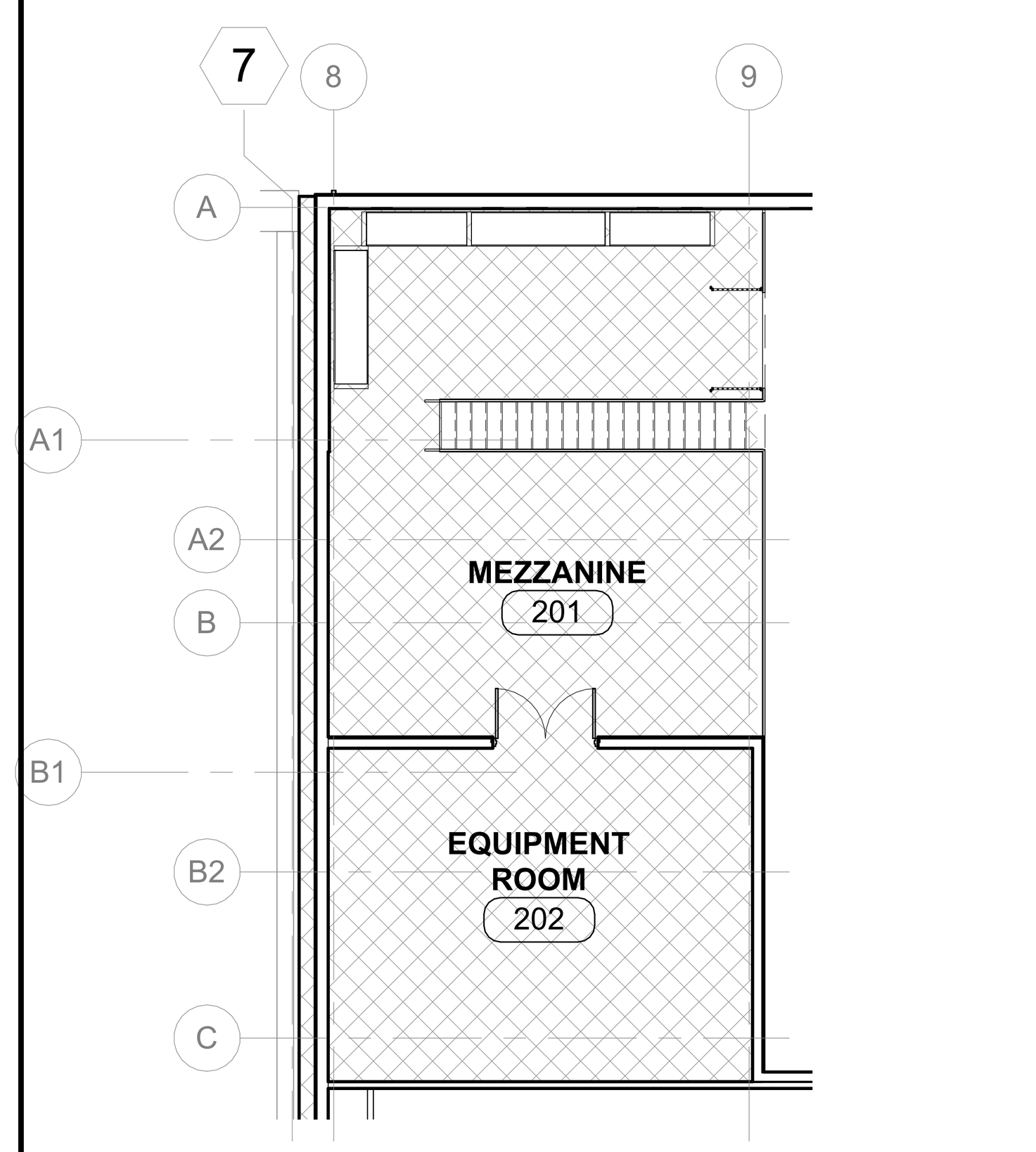
COMMON PATH OF TRAVEL (MAX) - TABLE 106.2.1 = **100 FT**

EXIT AND EXIT ACCESS TRAVEL DISTANCE - TABLE 1017.2 = **250' (SPRINKLERED)**

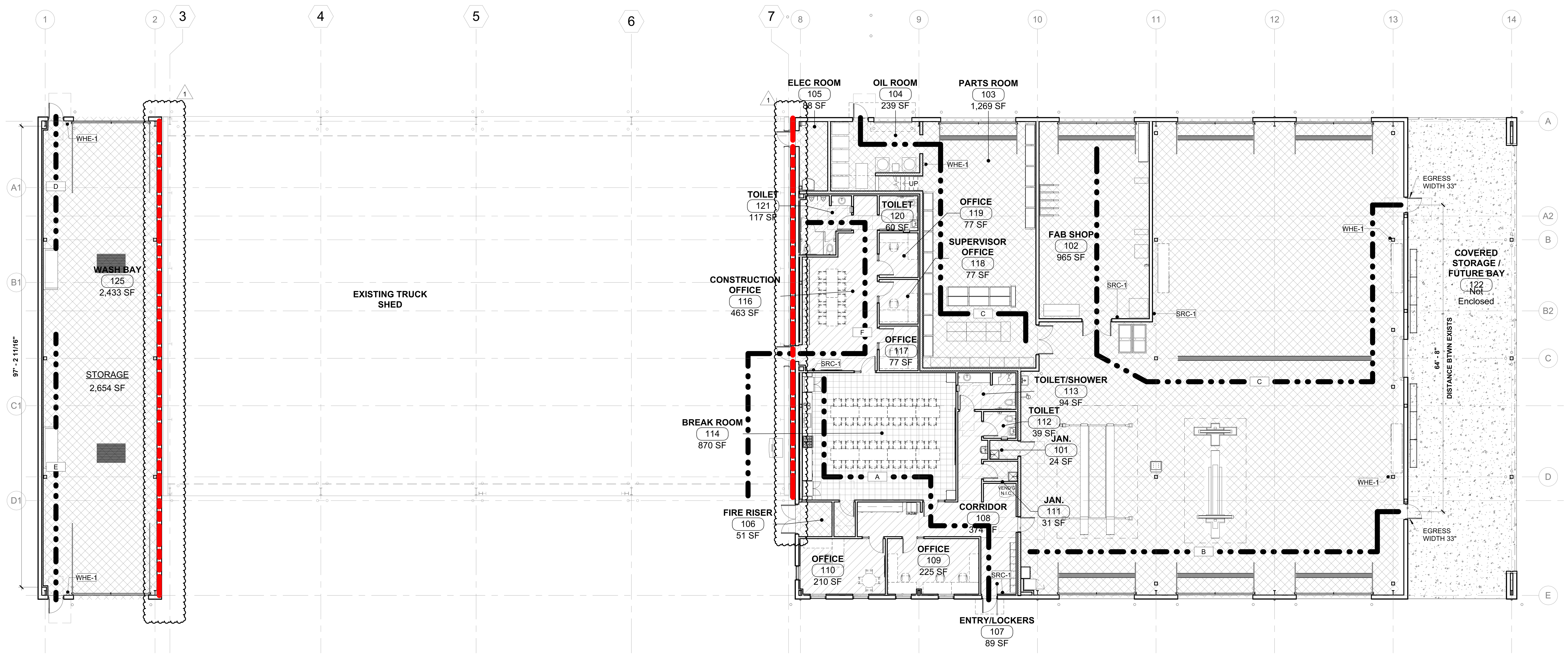
DEAD END CORRIDORS < **50'** PER 1020.5

PORTABLE FIRE EXTINGUISHERS:

906.3(1) IBC CLASS A FIRE HAZARD (LIGHT) - MAX TRAVEL DISTANCE **75'**



2 LIFE SAFETY PLAN - MEZZANINE
3/32" = 1'-0"



1 LIFE SAFETY PLAN
3/32" = 1'-0"

WDD ARCHITECTS

PROJECT TITLE

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

CONTENTS

LIFE SAFETY PLAN AND CODE INFORMATION

REVISIONS

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1

24-096
JOB NO.

02.14.2025
DATE

ISSUE

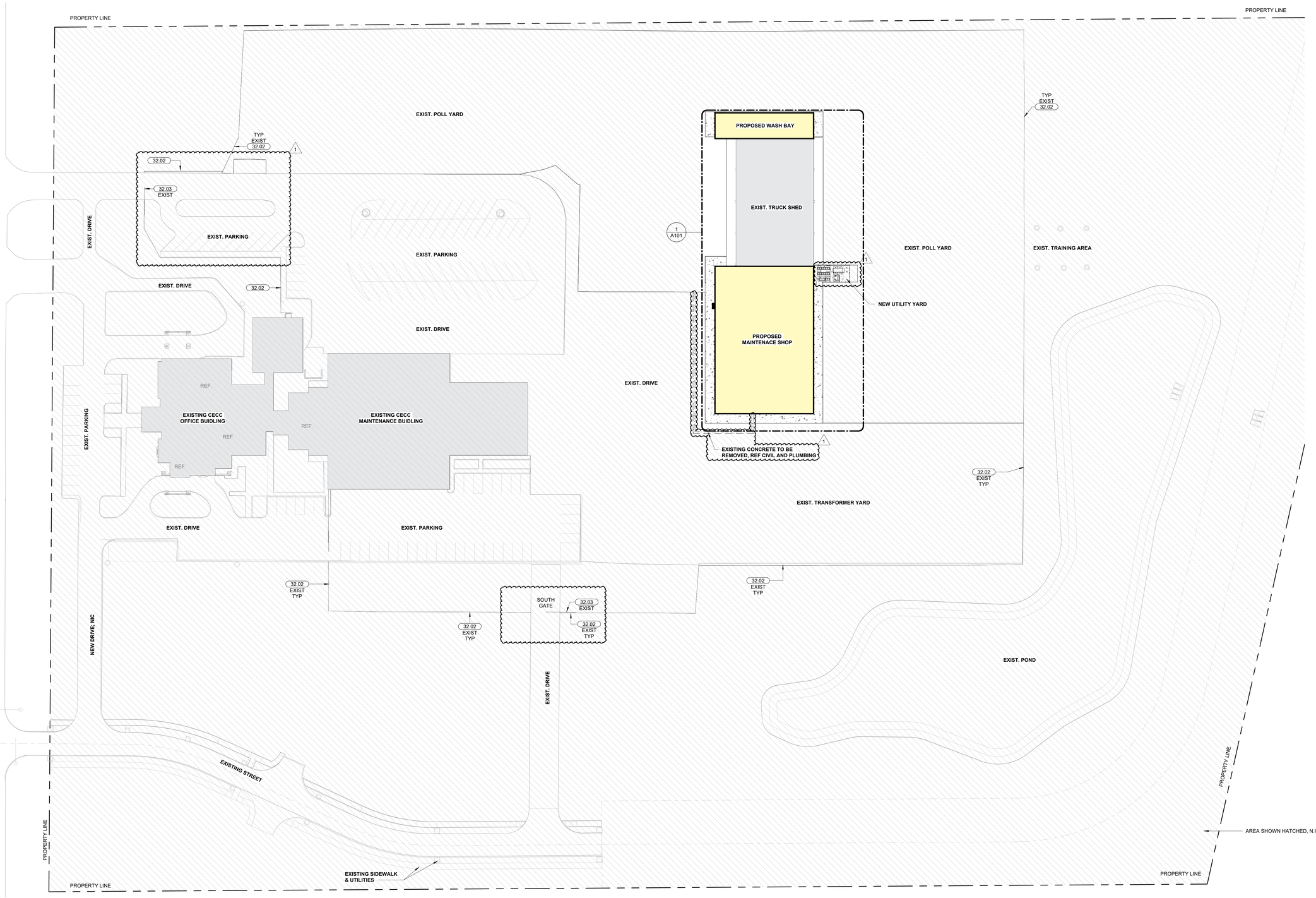
SHEET

T120

KEYNOTE LEGEND	
KEYNOTE	DESCRIPTION
32.02	CHAINLINK FENCEING
32.03	ROLLING CHAINLINK GATE

SHEET NOTES

1. CONTRACTOR TO COORDINATE DEMOLITION WORK SEQUENCE. REFERENCE PHASING DRAWINGS WHERE APPLICABLE.
2. FOR FINISH INFORMATION, REF A510



1 ARCHITECTURAL SITE PLAN
1" = 40'-0"

PROJECT TITLE

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

CONTENTS

ARCHITECTURAL SITE PLAN

REVISIONS

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1

24-096
JOB. NO.

02.14.2025
DATE

ISSUE

SHEET

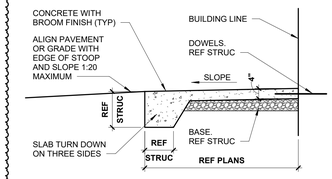
A100

COLOR LEGEND	
TAG	COLOR
P-4	SAFETY YELLOW

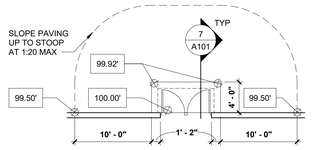
KEYNOTE LEGEND	
KEYNOTE	DESCRIPTION
07.01	PREFINISHED DOWNSPOUT
32.01	6" DIA, 30" HIGH CONCRETE FILLED GALVANIZED STEEL, REF 3 / A101

SHEET NOTES

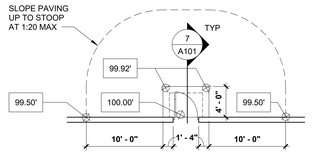
1. CONTRACTOR TO COORDINATE DEMOLITION WORK SEQUENCE. REFERENCE PHASING DRAWINGS WHERE APPLICABLE.
2. FOR FINISH INFORMATION, REF A510



7 STOOP SECTION
1/2" = 1'-0"



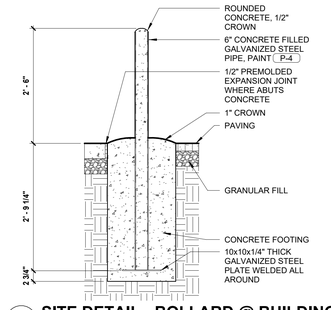
DOUBLE DOOR



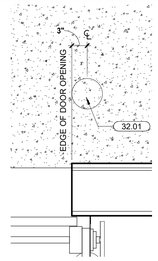
SINGLE DOOR

1. SPOT ELEVATIONS INDICATED ARE TYPICAL UNLESS OTHERWISE NOTED ON PLAN
2. SPOT ELEVATIONS AT OUTSIDE EDGE OF SLOPED PAVING ARE MINIMUMS AND MAY BE HIGHER DUE TO EXISTING SITE CONDITIONS

2 STOOP PLAN
1/8" = 1'-0"

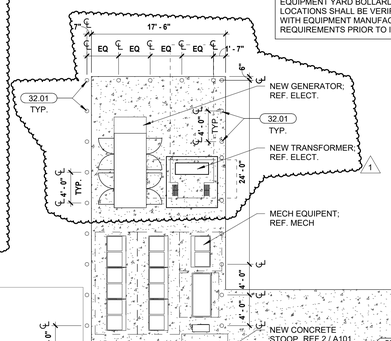


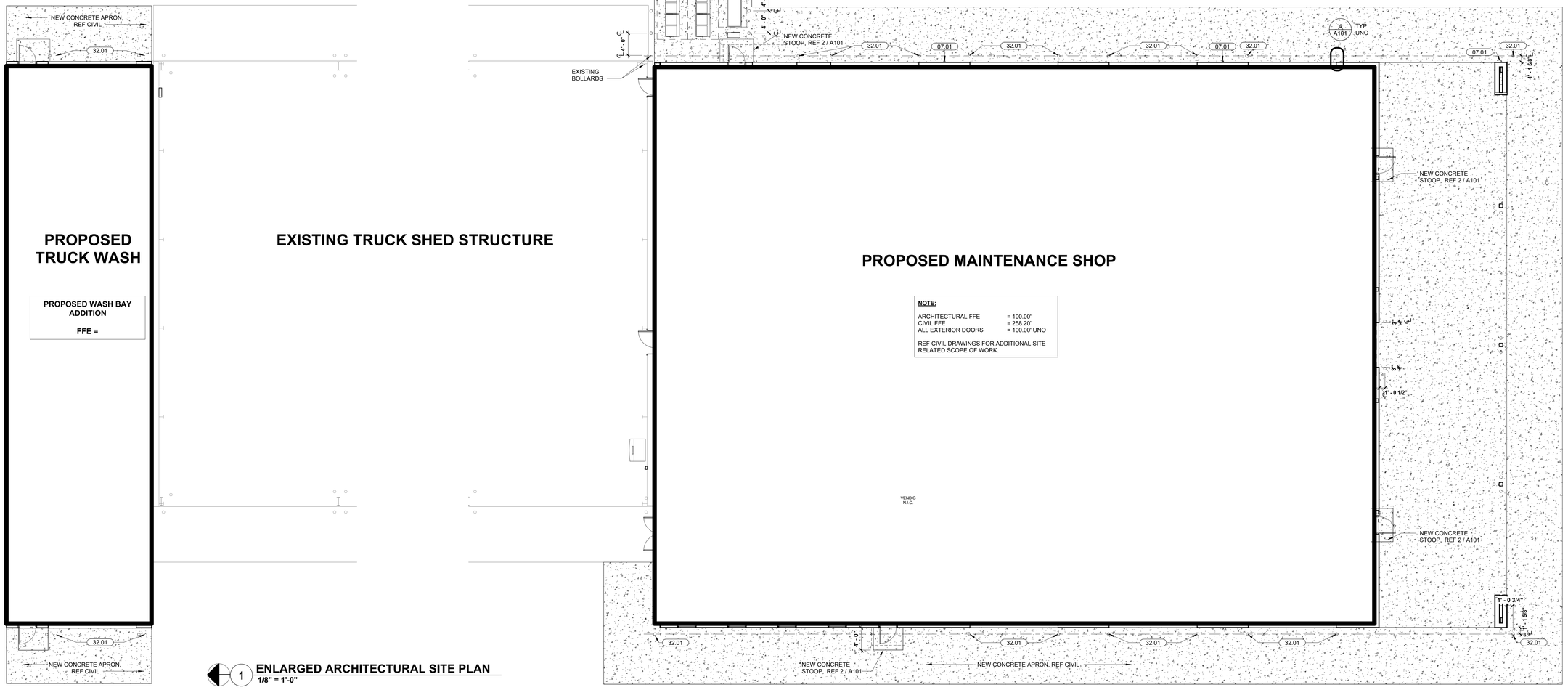
3 SITE DETAIL - BOLLARD @ BUILDING
3/4" = 1'-0"



4 ENLARGED PLAN
1" = 1'-0"

NOTE:
EQUIPMENT YARD BOLLARD LOCATIONS SHALL BE VERIFIED WITH EQUIPMENT MANUFACTURE REQUIREMENTS PRIOR TO INSTALL





1 ENLARGED ARCHITECTURAL SITE PLAN
1/8" = 1'-0"

WDD ARCHITECTS

REGISTERED ARCHITECTS WITTENBERG DELONY & DAVIDSON, INC. ARKANSAS 3-14-25

PROJECT TITLE

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

CONTENTS

ENLARGED ARCHITECTURAL SITE PLAN AND SITE DETAILS

REVISIONS

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1

24-096
JOB. NO.

02.14.2025
DATE

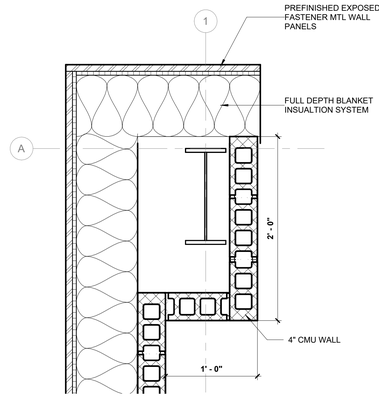
SHEET

ISSUE

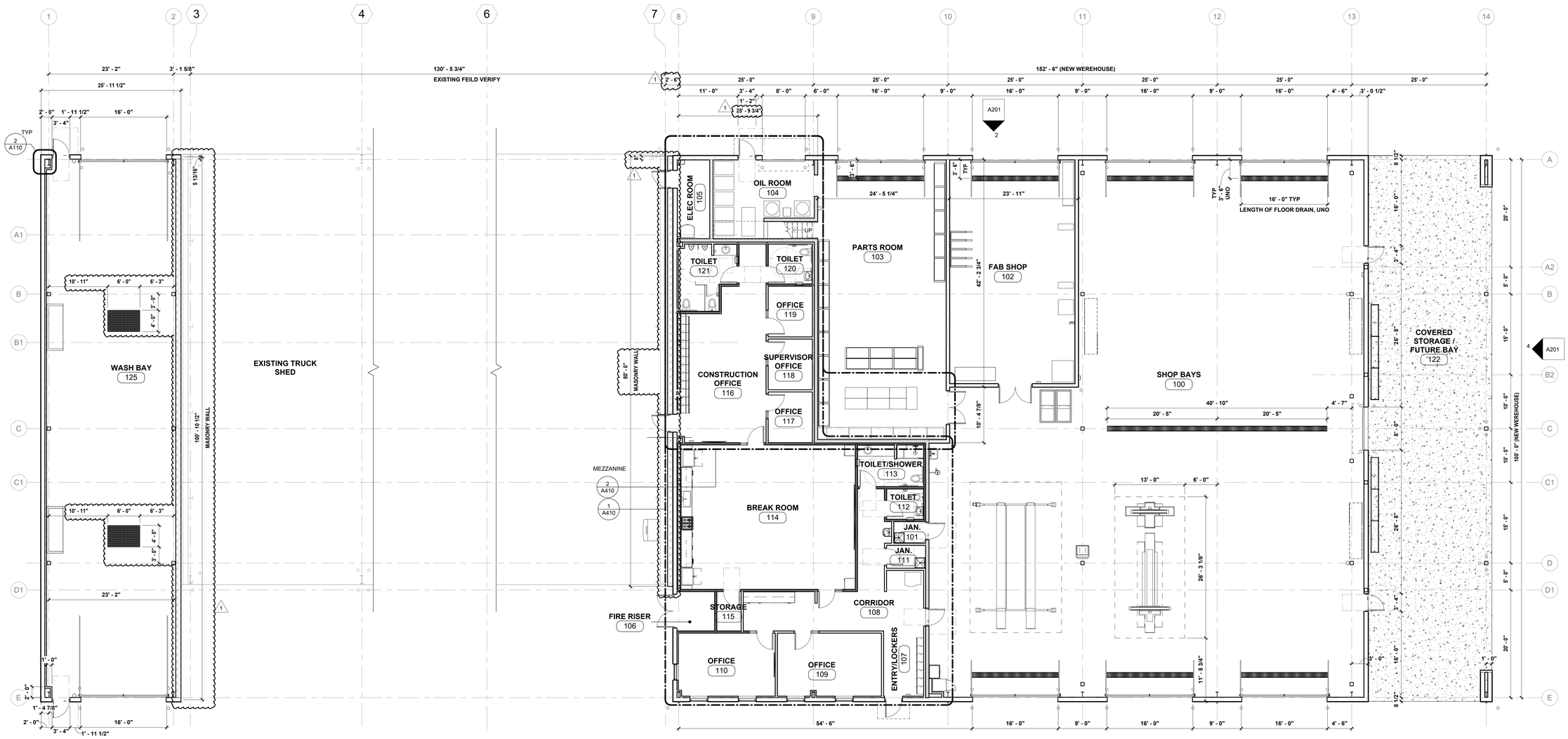
A101

SHEET NOTES

1. ALL DRYWALL JOINTS TO BE TAPED.
2. ALL DRYWALL BELOW FINISHED CEILING TO BE PREPARED FOR PAINTING AS INDICATED ON INTERIOR ELEVATIONS AND FINISH SCHEDULE.
3. CONTRACTOR TO INSTALL WATER RESISTANT GYP BD & FRP AT MOP SINK LOCATIONS. SEE ENLARGED PLANS FOR DETAILS.
4. PORTABLE FIRE EXTINGUISHER PER NFPA- 10 INSTALLED PER PLANS AND SUBJECT TO LOCAL JURISDICTION APPROVAL.
5. FOR FURNITURE, FIXTURE, AND EQUIPMENT INFORMATION, REF A511.



2 CORNER DETAIL - WASH BAY
1 1/2" = 1'-0"



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

NOTE:
STRUCTURE INTENDED FOR THE BAY CRANE TO BE INSTALLED BY CRANE MANUF.

WDD ARCHITECTS

REGISTERED ARCHITECTS — WITTENBERG DELONY & DAVIDSON, INC. — ARKANSAS — 8-19-25

PROJECT TITLE

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

CONTENTS

DIMENSIONED FLOOR PLAN

REVISIONS

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1

24-096
JOB. NO.

02.14.2025
DATE

ISSUE

SHEET

A110

CODED NOTES - FLOOR PLAN

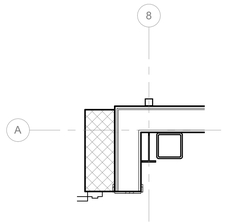
NO.	NOTE
1	INSTALL MTL CLOSURE
2	GC TO PROVIDE SLAB BLOCK (PER MANUF. INSTRUCTIONS) OUT FOR INSTALLATION OF IN GROUND LIFT
3	ALIGN FINISHED FACES
4	STRUCTURE FOR KONEKRANE TO BE INSTALLED BY OTHERS.

SHEET NOTES

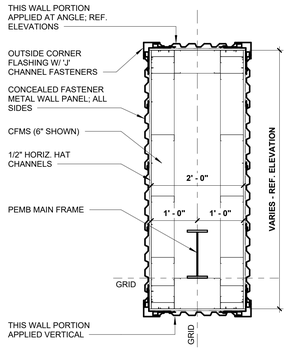
1. ALL DRYWALL JOINTS TO BE TAPED.
2. ALL DRYWALL BELOW FINISHED CEILING TO BE PREPARED FOR PAINTING AS INDICATED ON INTERIOR ELEVATIONS AND FINISH SCHEDULE.
3. CONTRACTOR TO INSTALL WATER RESISTANT GYP BD & FRP AT MOP SINK LOCATIONS. SEE ENLARGED PLANS FOR DETAILS.
4. PORTABLE FIRE EXTINGUISHER PER NFPA- 10 INSTALLED PER PLANS AND SUBJECT TO LOCAL JURISDICTION APPROVAL.
5. FOR FURNITURE, FIXTURE, AND EQUIPMENT INFORMATION, REF A511.

1 KEYNOTE LEGEND

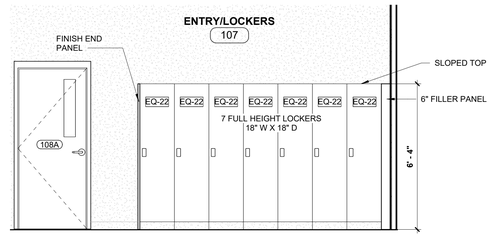
KEYNOTE	DESCRIPTION
05.07	6" DIA, 42" HIGH, GALVANIZED SURFACE MOUNTED BOLLARD, REF 2 / A120
08.01	SECTIONAL OVERHEAD DOOR
22.01	FLOOR DRAIN, REF PLUMB.
22.03	PIT DRAIN, REF PLUMB AND STRUC.
32.01	6" DIA, 30" HIGH CONCRETE FILLED GALVANIZED STEEL, REF 3 / A101



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

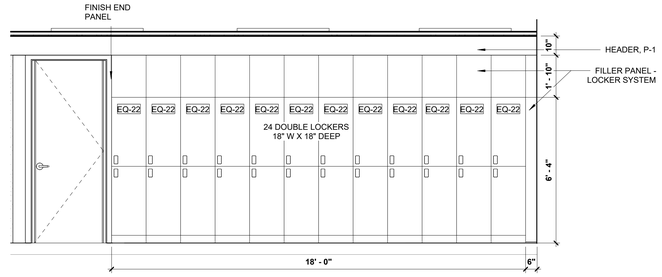


5 COLUMN WRAP
3/4" = 1'-0"

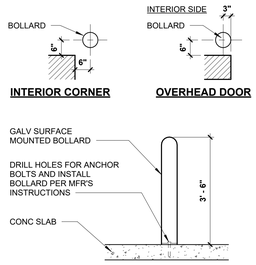


4 LOCKER ELEVATION
3/8" = 1'-0"

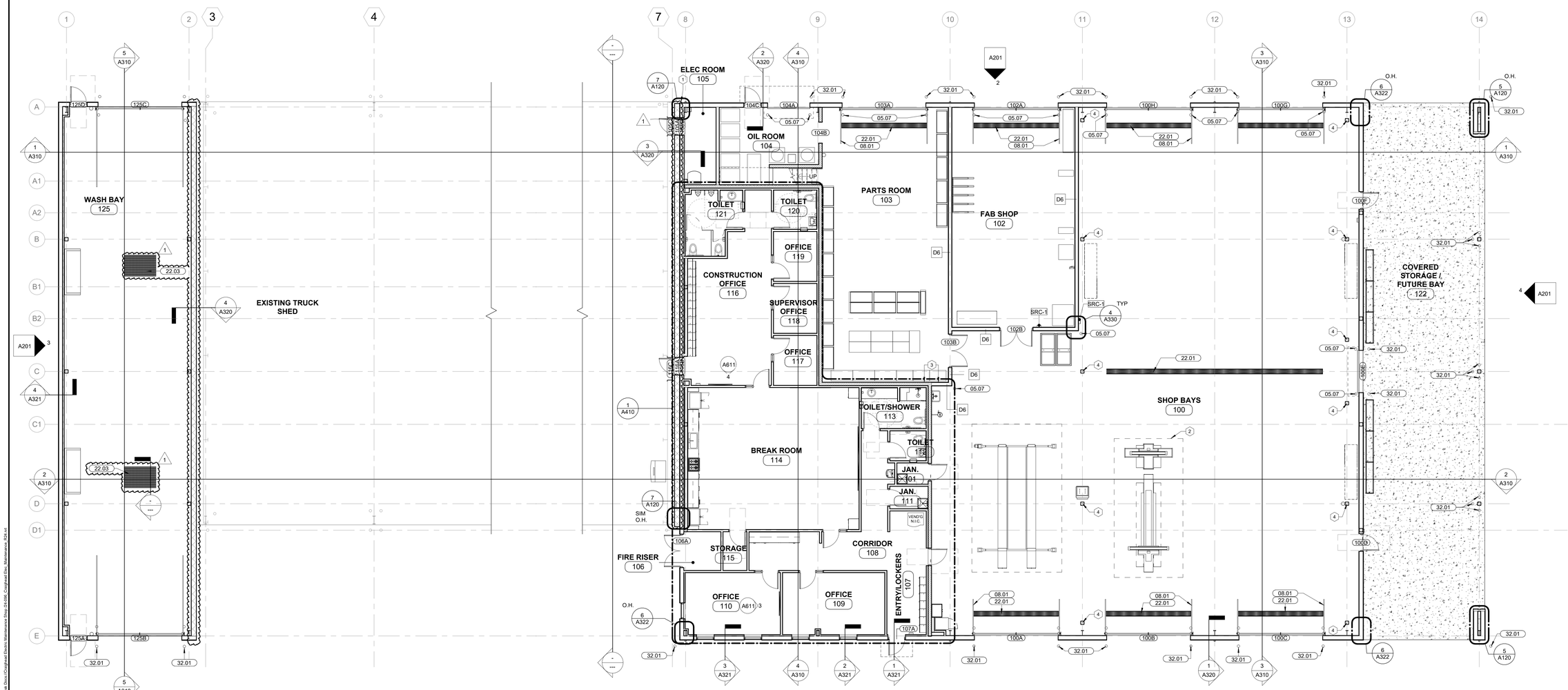
1 ALTERNATE PRICING - Z STYLE DOUBLE LOCKER CONFIGURATION



3 LOCKER ELEVATION
3/8" = 1'-0"



2 SURFACE MUNTED BOLLARD
1/2" = 1'-0"



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

WDD ARCHITECTS

REGISTERED ARCHITECTS WITTENBERG DELONY & DAVIDSON, INC. ARKANSAS

PROJECT TITLE

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

CONTENTS

NOTED FLOOR PLAN

REVISIONS

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1

24-096
JOB. NO.

02.14.2025
DATE

ISSUE

SHEET

A120

COLOR LEGEND	
TAG	COLOR
EXP-1	FULL DEPTH BLANKET INSUALTION SYSTEM

KEYNOTE LEGEND	
KEYNOTE	DESCRIPTION
07.01	PREFINISHED DOWNSPOUT
07.02	PREFINISHED GUTTER
08.01	SECTIONAL OVERHEAD DOOR
13.01	PRE-ENGINEERED PREFINISHED METAL CANOPY
13.02	PRE-ENGINEERED METAL BUILDING

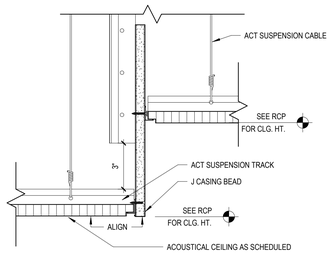
REFLECTED CEILING LEGEND

- 2' X 4' FLUORESCENT LIGHT FIXTURE
- 4" X 4' LIGHT FIXTURE
- HIGH BAY LIGHTING
- HIGH BAY LIGHTING (WET LOCATION)
- RECESSED CAN LIGHT
- HVAC RETURN REGISTER
- HVAC SUPPLY REGISTER
- HVAC EXHAUST REGISTER
- WALL MOUNTED LIGHT FIXTURE CENTERLINE AT 10'-0" AFF .
- SURFACE MOUNTED LIGHT FIXTURE
- EXIT SIGN

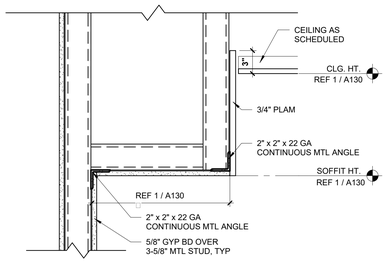
NOTE: REF ELECTRICAL DRAWINGS FOR ADDITIONAL POWER AND LIGHTING DEVICES.

SHEET NOTES

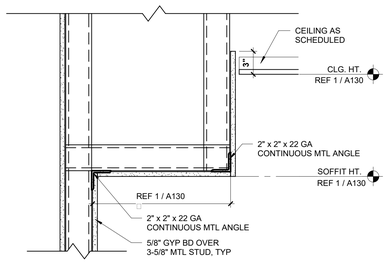
1. REFERENCE MECHANICAL AND ELECTRICAL DRAWINGS FOR MOUNTING LOCATIONS OF ITEMS WHERE NO CEILING IS REQUIRED OR INDICATED.
2. CEILING GRID SHALL BE SUPPORTED FROM STRUCTURAL MEMBERS ONLY. GRID SHALL NOT BE SUPPORTED FROM OTHER TRADES WORK.
3. ALL FINISH CALLOUTS AT GYP CEILINGS ARE FOR UNDERSIDES OF CEILINGS, SOFFITS, AND HEADERS UNLESS NOTED OTHERWISE ON REFLECTED CEILING PLAN.REF FINISH FLOOR PLAN FOR ALL WALL / VERTICAL SURFACE FINISHES.
4. REF ELEC FOR EMERGENCY LIGHTING LOCATIONS
5. LIGHTS, DIFFUSERS, EXIT SIGNS, SMOKE DETECTORS, SPEAKERS, STROBES AND MISCELLANEOUS DEVICES SHALL BE CENTERED IN THE CEILING TILE IN WHICH THEY OCCUR, UNLESS NOTED OTHERWISE.
6. SPRINKLER HEADS ARE NOT SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS. CONTRACTOR TO INSTALL SUFFICIENT HEADS IN ALL SPACES TO PROVIDE 100% COVERAGE AS REQUIRED UNDER NFPA 13 AND OWNERS' INSURANCE COMPANIES' REQUIREMENTS. CENTER ALL SPRINKLER HEADS IN CEILING TILES AND GYPSUM BOARD CEILINGS.
7. ALL CORRIDOR SPRINKLER HEADS SHALL BE ALIGNED IN THE SAME LOCATION PARALLEL TO THE WALL WITHIN EACH SPECIFIC CEILING CONSTRUCTION. ARCHITECTURALLY SIGNIFICANT SPRINKLER HEAD LOCATIONS MAY BE SHOWN ON REFLECTED CEILING PLAN FOR DESIGN INTENT ONLY.
8. FOR CEILING FINISH INFORMATION, REF A510.
9. VERIFY WITH MECHANICAL DRAWINGS, CEILING REGISTER SIZE, TYPE, AND DENSITY.
10. VERIFY WITH ELECTRICAL DRAWINGS, LIGHT FIXTURE SIZE, TYPE AND QUANTITY.



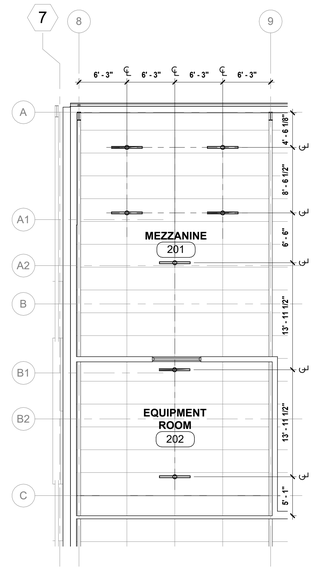
5 GWB SOFFIT AT CHANGE OF HEIGHT - ACT TO ACT
3" = 1'-0"



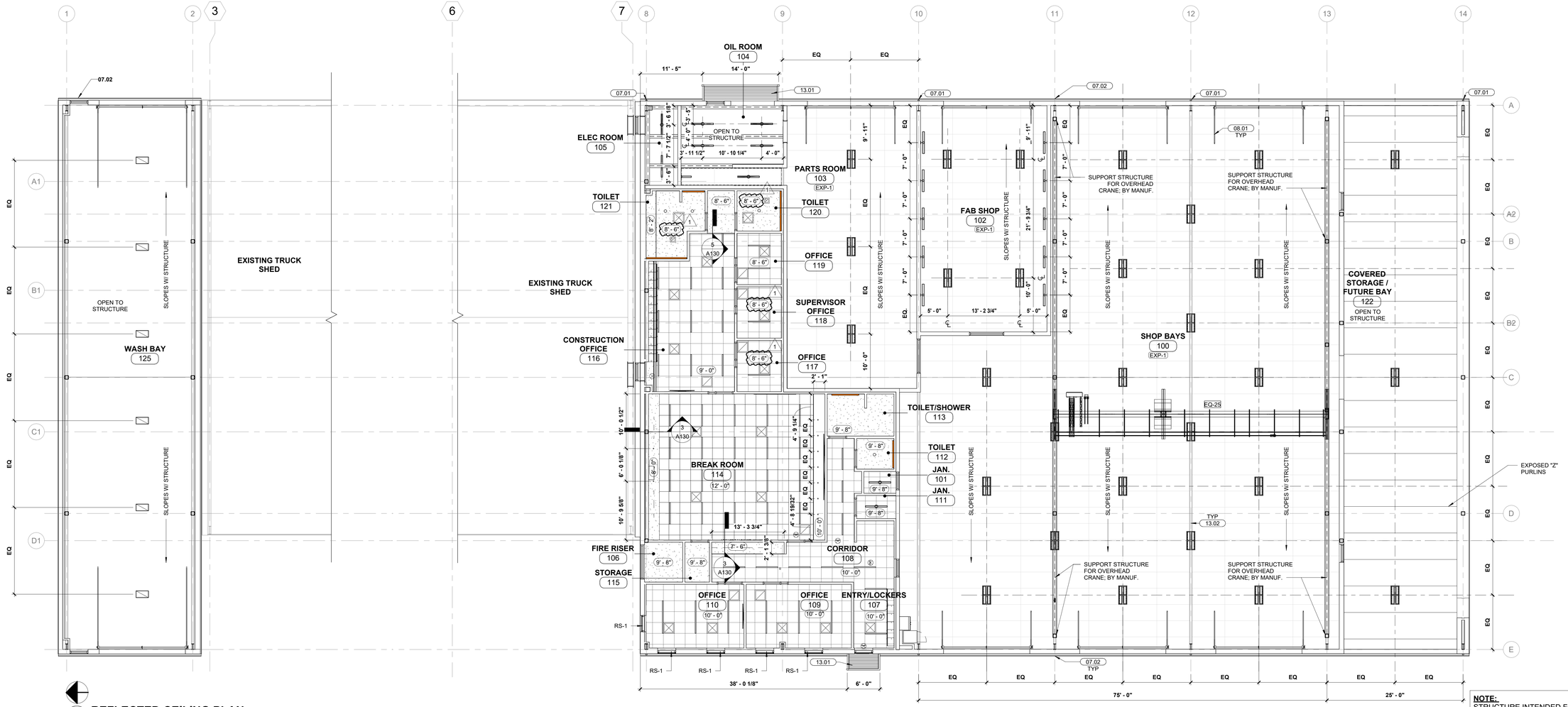
4 PLAM SOFFIT
1 1/2" = 1'-0"



3 SOFFIT
1 1/2" = 1'-0"



2 REFLECTED CEILING PLAN - MEZZANINE
1/8" = 1'-0"



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

NOTE:
STRUCTURE INTENDED FOR THE BAY CRANE TO BE INSTALLED BY CRANE MANUF.

8/5/2025 10:31:11 AM
Autodesk Docs://Craighead Electric Maintenance Shop 24-096_Craighead Elec. Maintenance_R24.rvt

WDD ARCHITECTS

REGISTERED ARCHITECTS WITTENBERG DELONY & DAVIDSON, INC. ARKANSAS

PROJECT TITLE

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

CONTENTS

REFLECTED CEILING PLAN

REVISIONS

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1

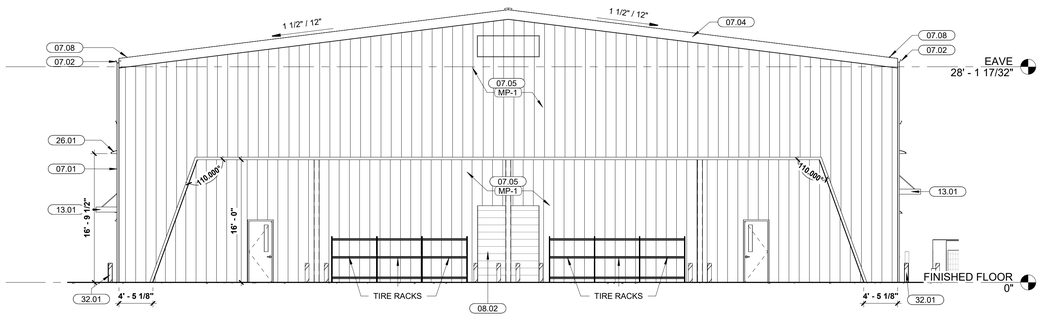
24-096
JOB. NO.
02.14.2025
DATE

SHEET

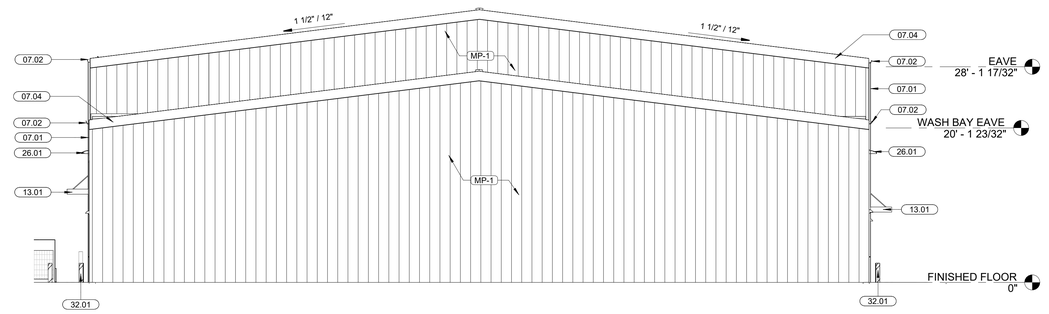
ISSUE
A130

COLOR LEGEND	
TAG	COLOR
MP-1	PREFINISHED CONCEALED FASTENER MTL WALL PANELS

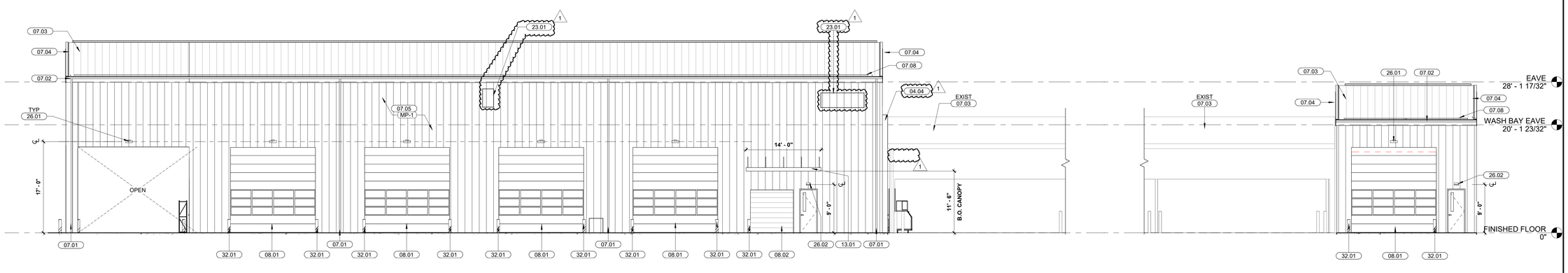
1 KEYNOTE LEGEND	
KEYNOTE	DESCRIPTION
04.04	12" CMU, REF STRUC
07.01	PREFINISHED DOWNSPOUT
07.02	PREFINISHED GUTTER
07.03	CONCEALED FASTENER STANDING SEAM MTL ROOFING SYSTEM
07.04	RAKE TRIM
07.05	PREFINISHED CONCEALED FASTENER MTL WALL PANELS
07.08	SNOW GUARD, INSTALL PER MFR INSTRUCTIONS
08.01	SECTIONAL OVERHEAD DOOR
08.02	OVERHEAD COILING DOOR
13.01	PRE-ENGINEERED PREFINISHED METAL CANOPY
23.01	MECHANICAL LOUVER, REF MECH
26.01	SURFACE MOUNTED EXTERIOR LIGHTING, CENTERED ABOVE BAY DOOR, REF ELEC
26.02	SURFACE MOUNTED EXTERIOR LIGHTING, CENTERED ABOVE MAN DOOR UNO. LOCATE PER ELEVATIONS, REF ELEC
32.01	6" DIA, 30" HIGH CONCRETE FILLED GALVANIZED STEEL, REF 3 / A101



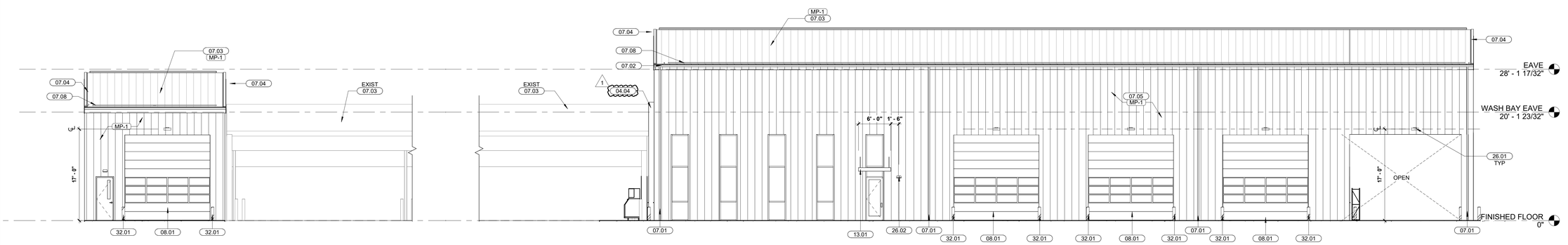
4 SOUTH ELEVATION
1/8" = 1'-0"



3 NORTH ELEVATION
1/8" = 1'-0"



2 EAST ELEVATION
1/8" = 1'-0"



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

WDD ARCHITECTS

REGISTERED ARCHITECTS
WITTENBERG DELONY & DAVIDSON, INC.
ARKANSAS
3-19-25

PROJECT TITLE

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

CONTENTS

EXTERIOR ELEVATIONS

REVISIONS

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1

24-096
JOB. NO.

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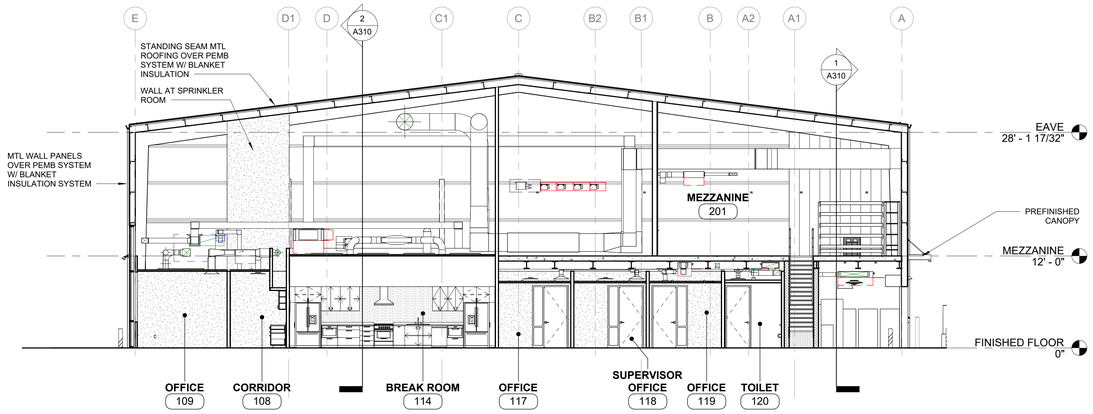
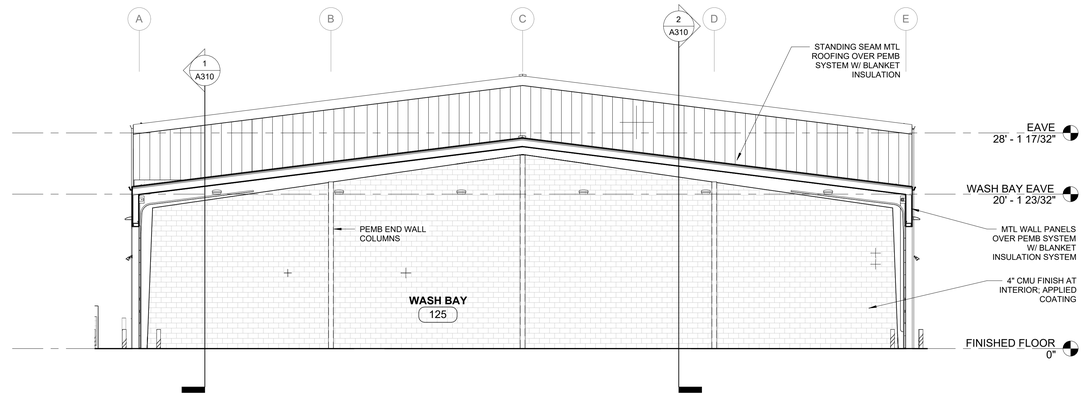
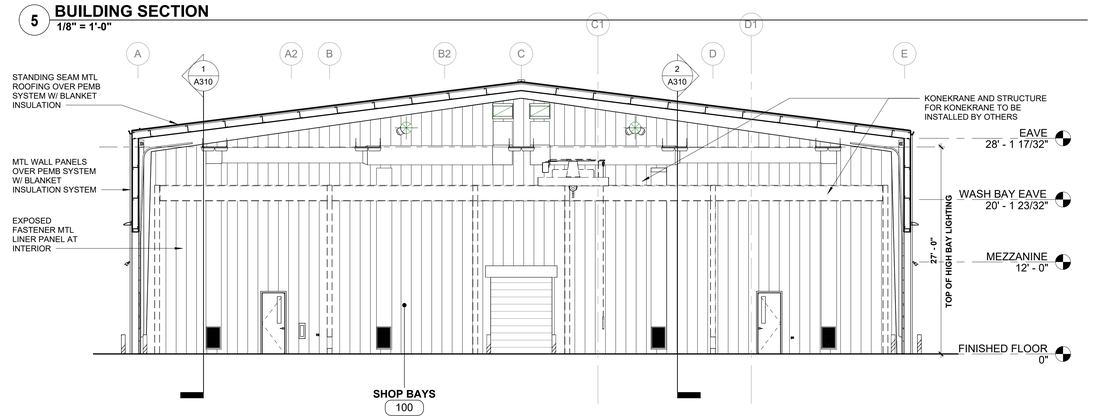
A201



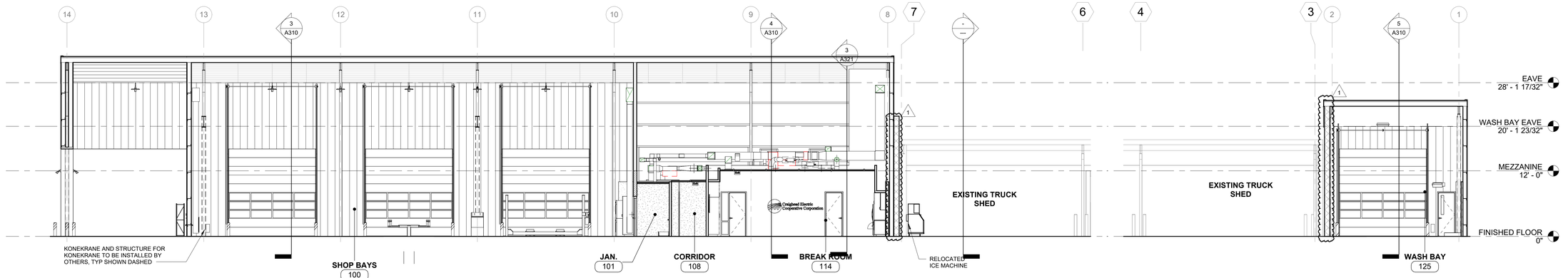
4 BUILDING SECTION
1/8" = 1'-0"



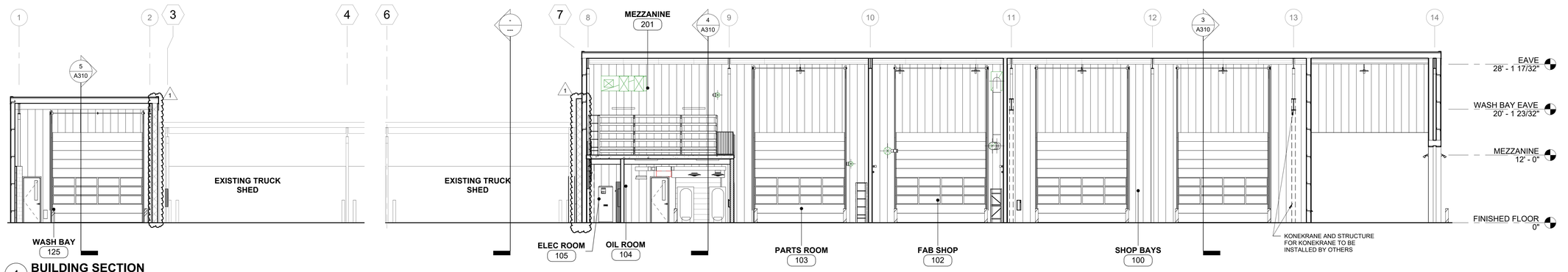
5 BUILDING SECTION
1/8" = 1'-0"



3 BUILDING SECTION
1/8" = 1'-0"



2 BUILDING SECTION
1/8" = 1'-0"



1 BUILDING SECTION
1/8" = 1'-0"

WDD ARCHITECTS

REGISTERED ARCHITECTS WITTENBERG DELONY & DAVIDSON, INC. ARKANSAS
8-19-25

PROJECT TITLE

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

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BUILDING SECTIONS

REVISIONS

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1	03/06/25	ADD #1

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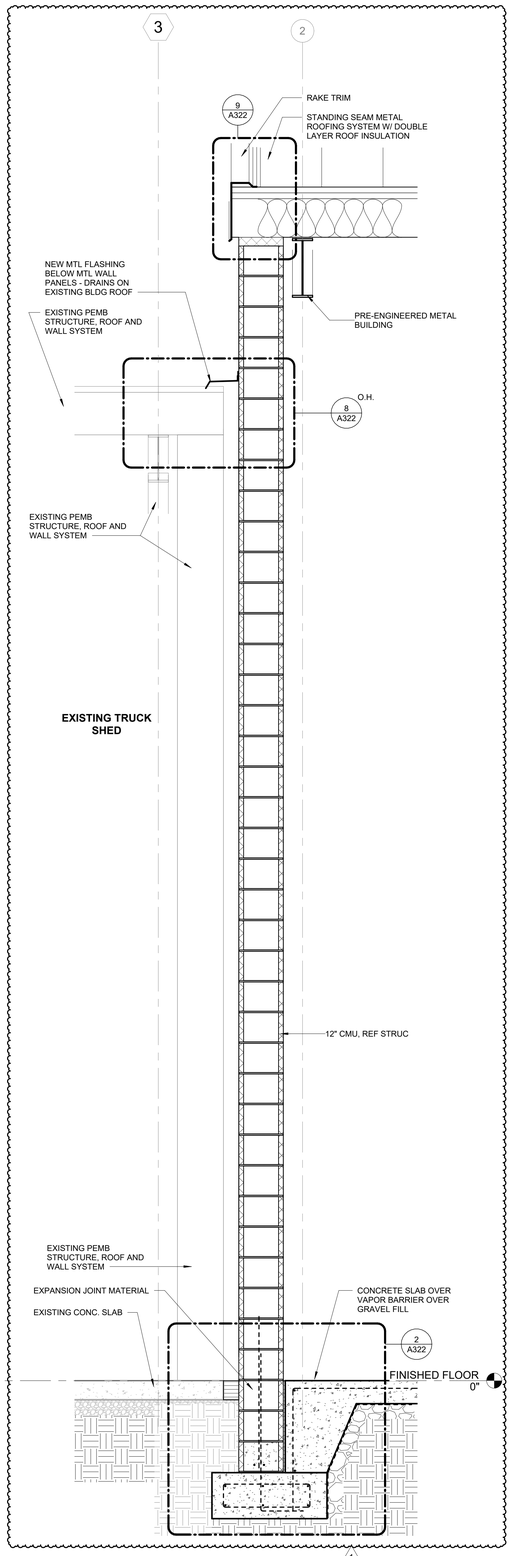
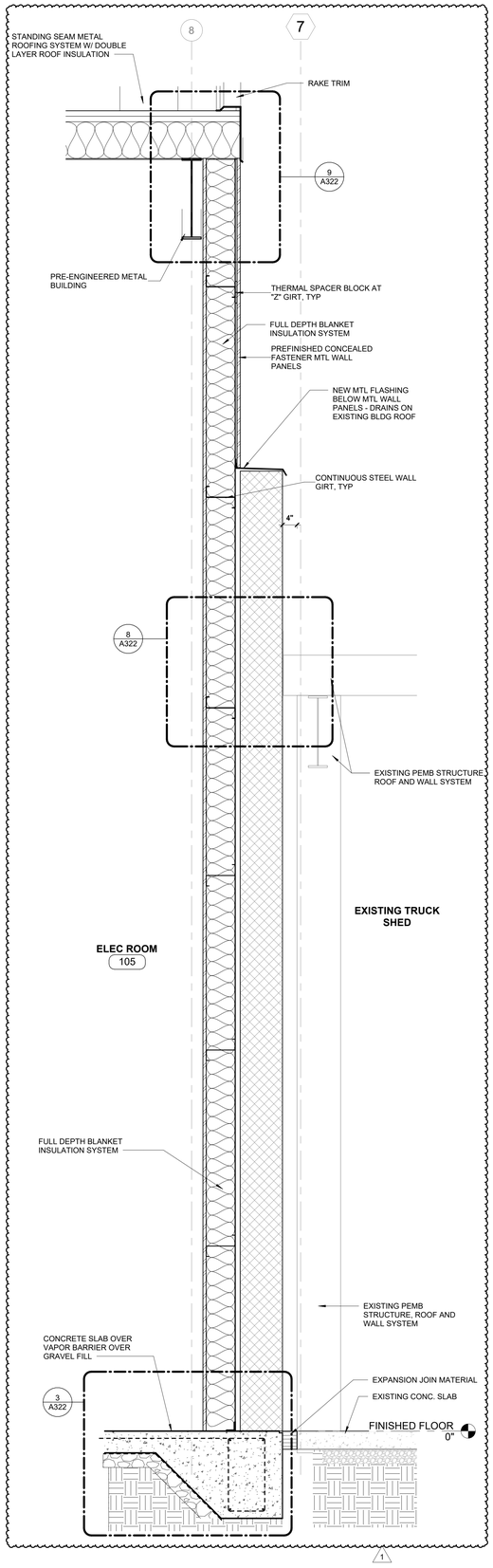
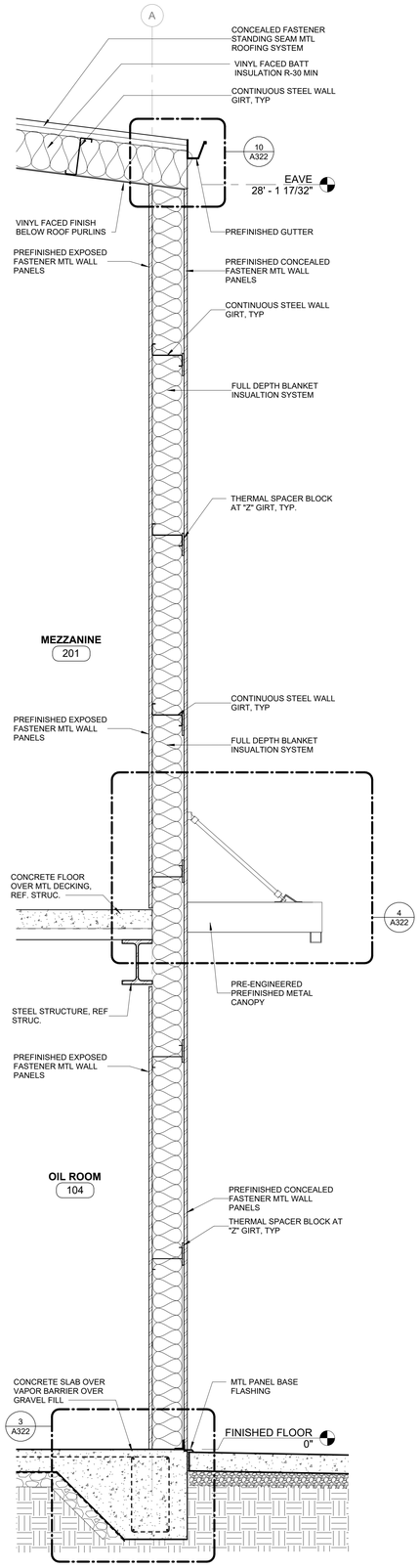
A310



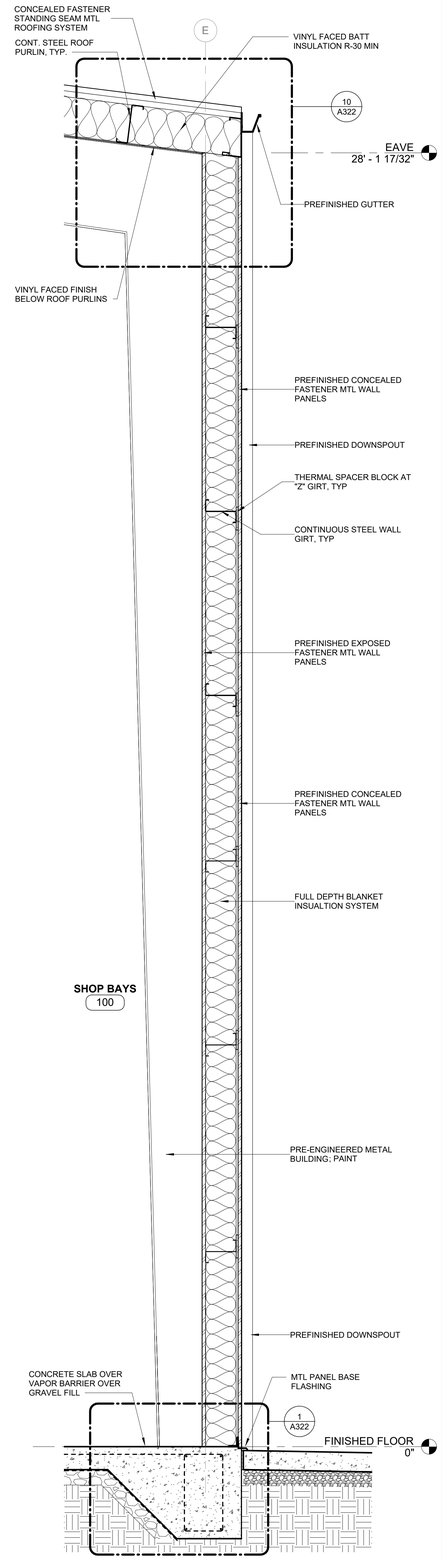
4 WALL SECTION
3/4" = 1'-0"



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



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



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

WDD ARCHITECTS

REGISTERED ARCHITECTS WITTENBERG DELONY & DAVIDSON, INC. ARKANSAS 8-19-25

PROJECT TITLE

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

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WALL SECTIONS

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1	03/06/25	ADD #1

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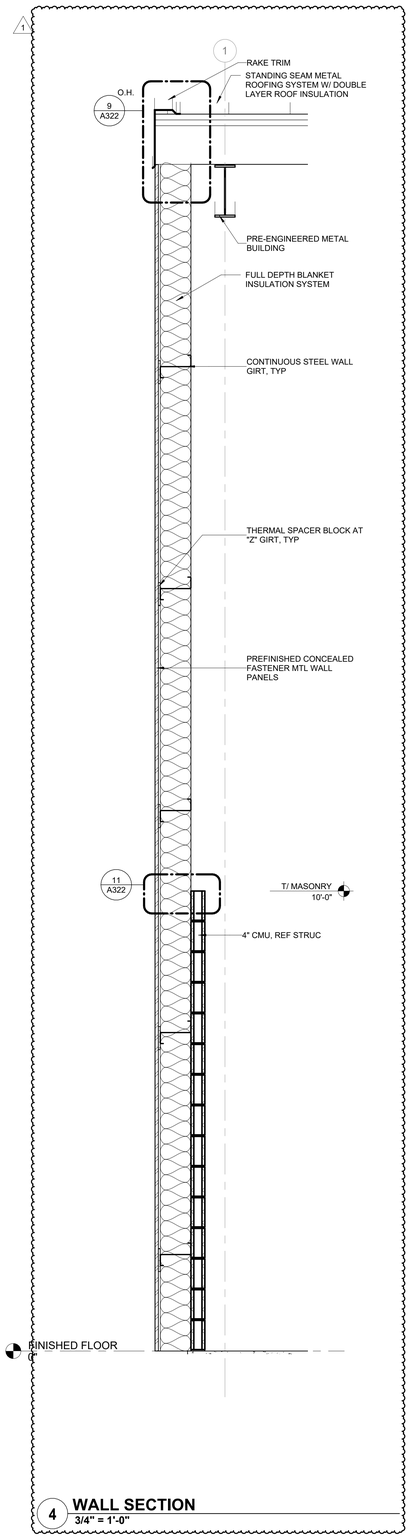
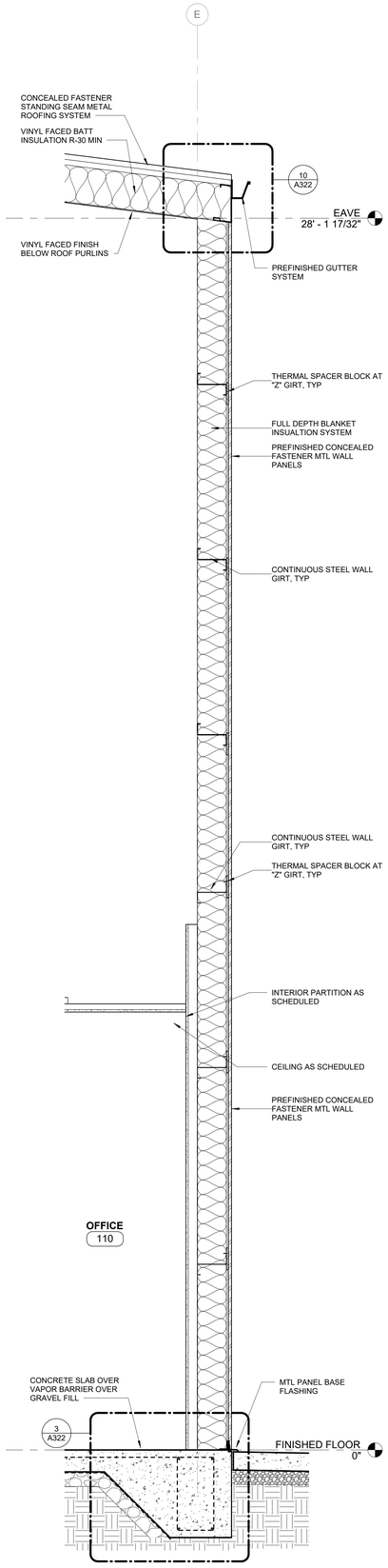
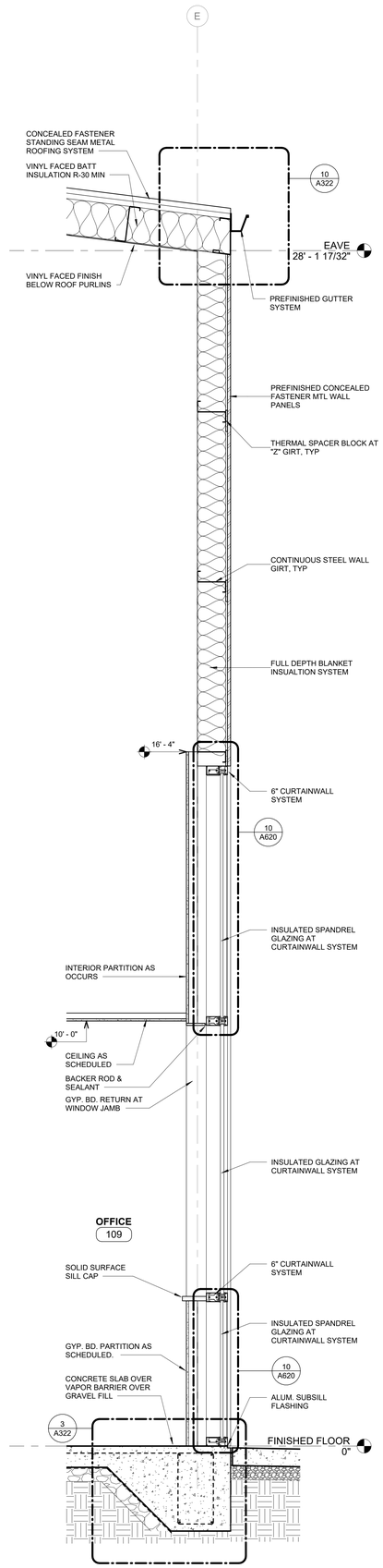


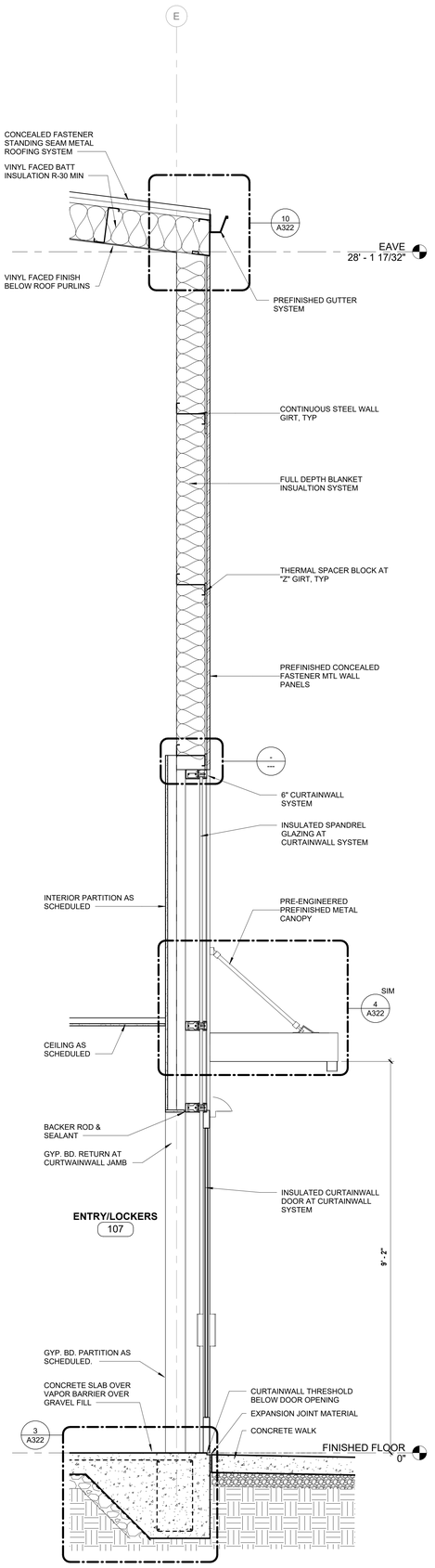
4 WALL SECTION
3/4" = 1'-0"



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



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



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

WDD ARCHITECTS

REGISTERED ARCHITECTS WITTENBERG DELONY & DAVIDSON, INC. ARKANSAS 8-19-25

PROJECT TITLE

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

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WALL SECTIONS

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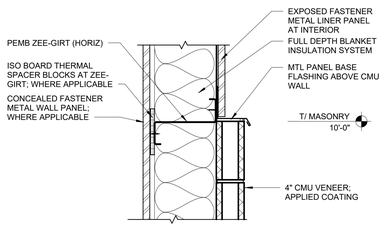
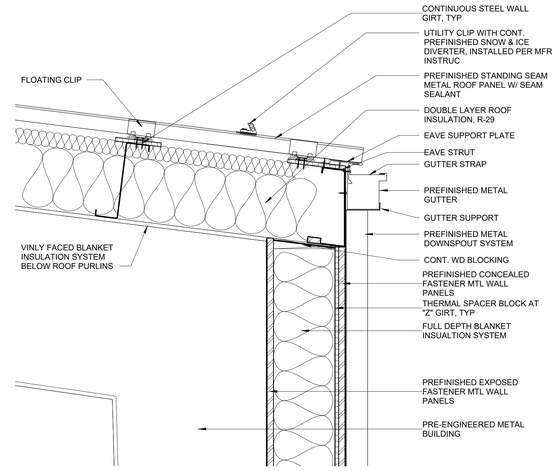
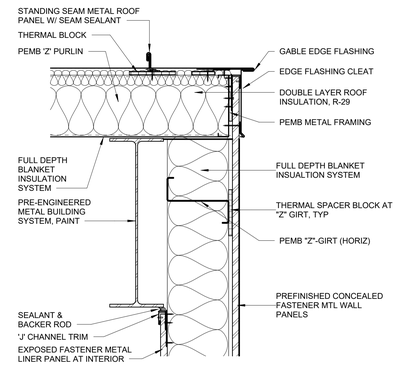


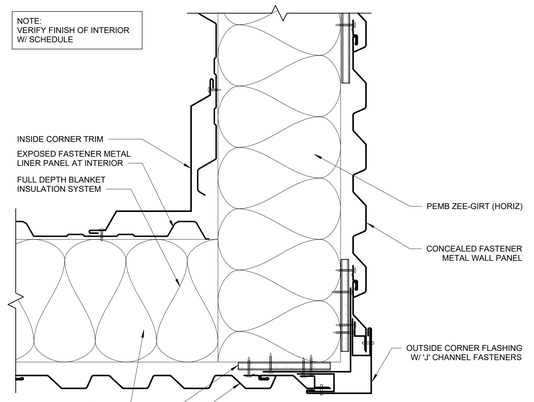
11 CMU TO METAL PANEL TRANSITION
1 1/2" = 1'-0"



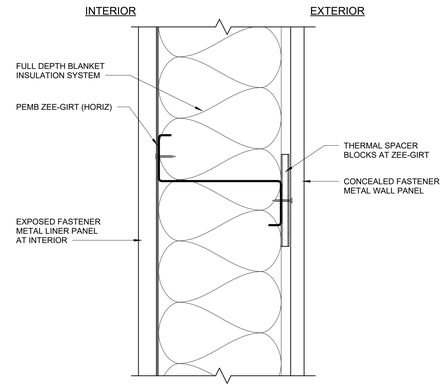
10 EAVE / GUTTER DETAIL
1 1/2" = 1'-0"



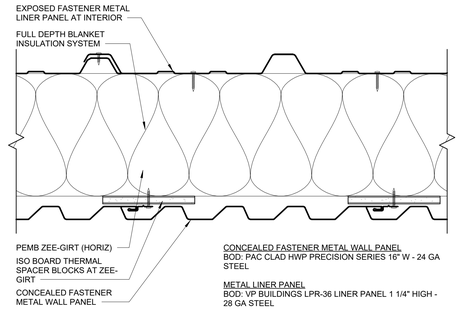
9 END WALL DETAIL
1 1/2" = 1'-0"



6 CORNER DETAIL
3" = 1'-0"

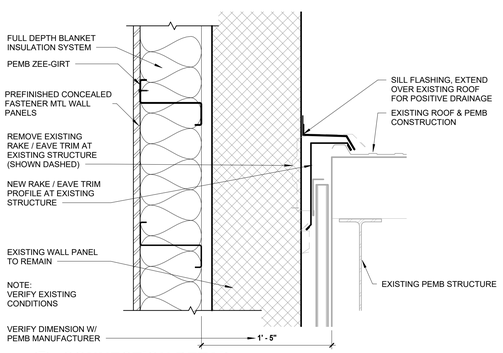


SECTION

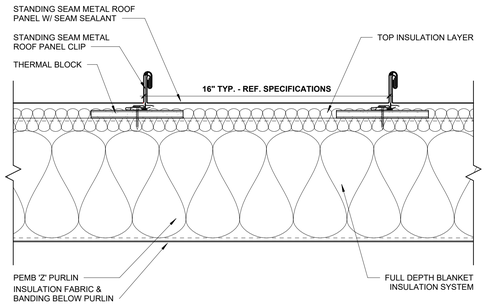


PLAN

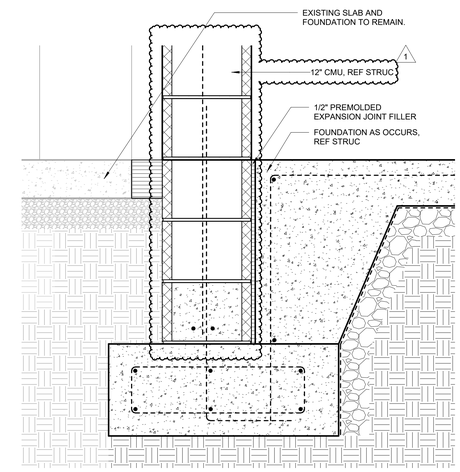
5 TYPICAL EXTERIOR WALL ASSEMBLY
3" = 1'-0"



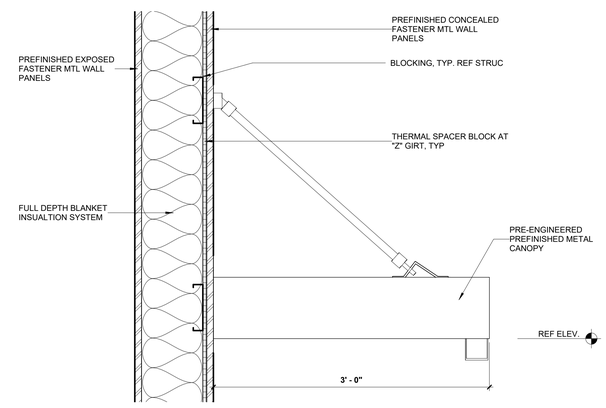
8 CONNECTION DETAIL
1 1/2" = 1'-0"



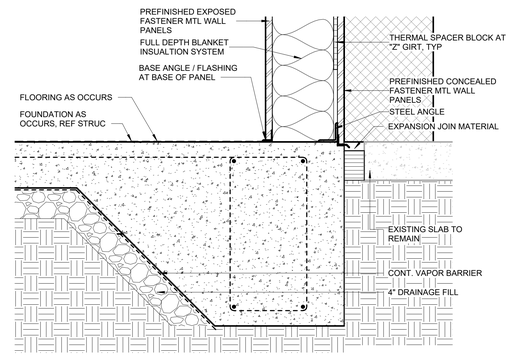
7 TYPICAL EXTERIOR ROOF ASSEMBLY
3" = 1'-0"



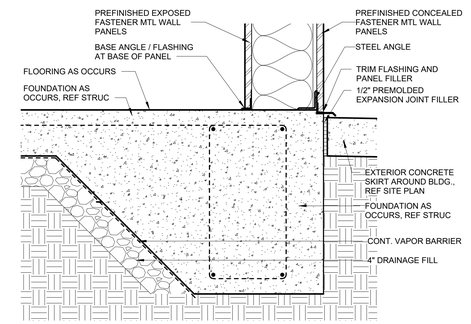
2 FOUNDATION DETAIL
1 1/2" = 1'-0"



4 METAL CANOPY CONNECTION
1 1/2" = 1'-0"



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



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

WDD ARCHITECTS
REGISTERED ARCHITECTS WITTENBERG DELONY & DAVIDSON, INC. ARKANSAS
8-19-25

PROJECT TITLE
CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

CONTENTS
EXTERIOR DETAILS

REVISIONS

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1

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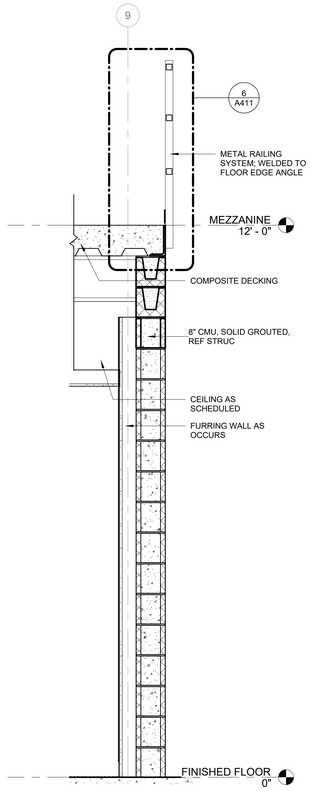
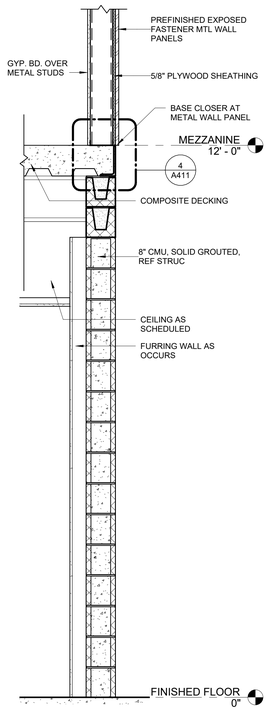
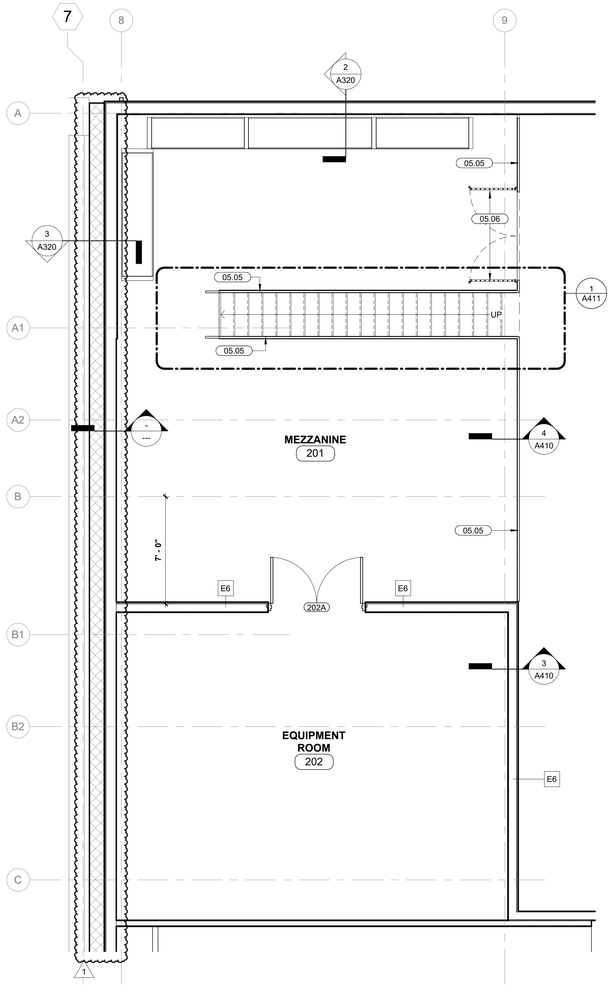
A322



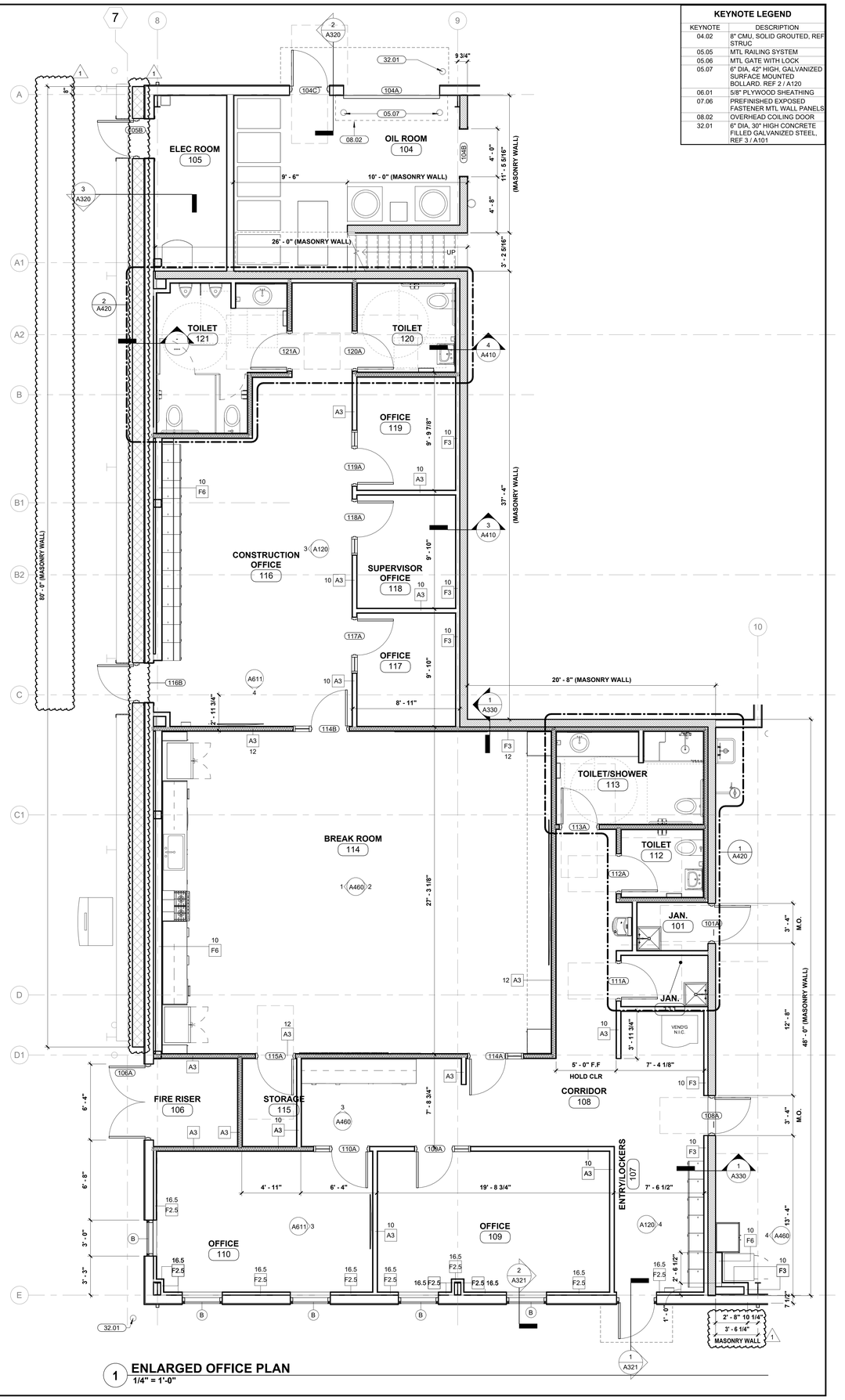
4 WALL SECTION AT MEZZANINE
3/4" = 1'-0"



3 WALL SECTION AT MEZZANINE
3/4" = 1'-0"



2 ENLARGED MEZZANINE PLAN
1/4" = 1'-0"



1 ENLARGED OFFICE PLAN
1/4" = 1'-0"

KEYNOTE LEGEND

KEYNOTE	DESCRIPTION
04.02	8" CMU, SOLID GROUTED, REF STRUC
05.05	MTL RAILING SYSTEM
05.06	MTL GATE WITH LOCK
05.07	6" DIA, 42" HIGH, GALVANIZED SURFACE MOUNTED BOLLARD. REF 2 / A120
06.01	5/8" PLYWOOD SHEATHING
07.06	PREFINISHED EXPOSED FASTENER MTL WALL PANELS
08.02	OVERHEAD COILING DOOR
32.01	6" DIA, 30" HIGH CONCRETE FILLED GALVANIZED STEEL, REF 3 / A101

WDD ARCHITECTS

REGISTERED ARCHITECTS — WITTENBERG DELONY & DAVIDSON, INC. — ARKANSAS — 8-19-25

PROJECT TITLE

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

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ENLARGED PLANS

REVISIONS

NO.	DATE	DESCRIPTION
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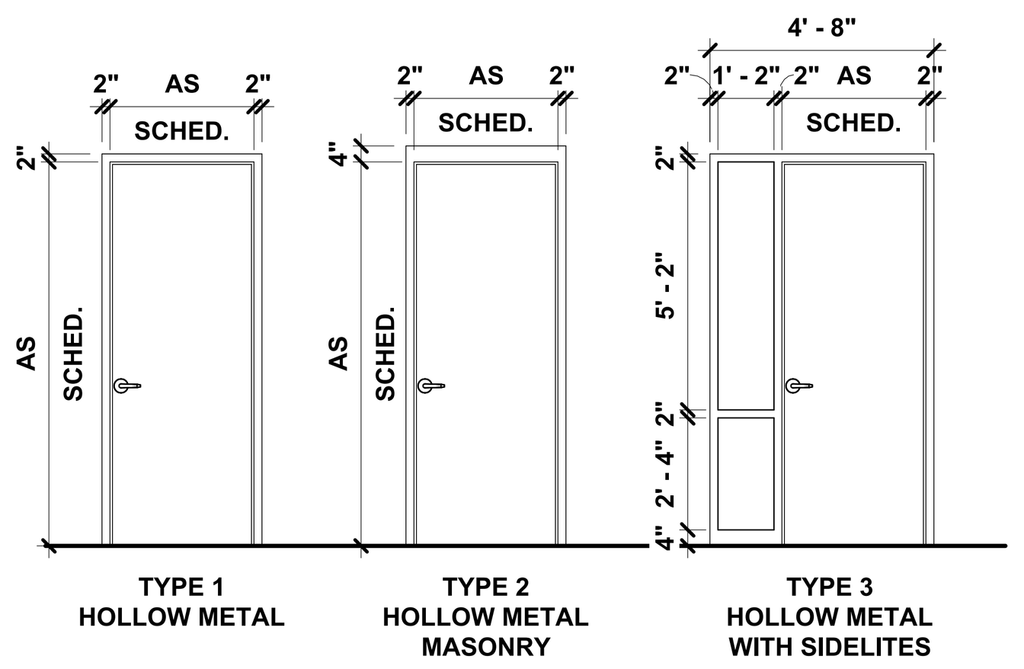
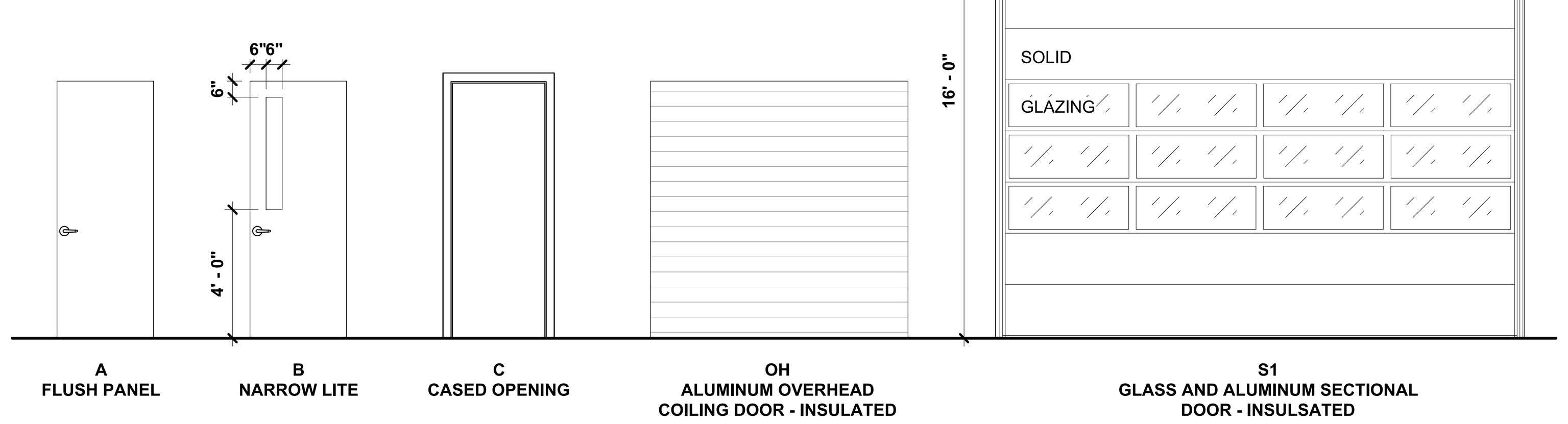
A410



FRAME LEGEND



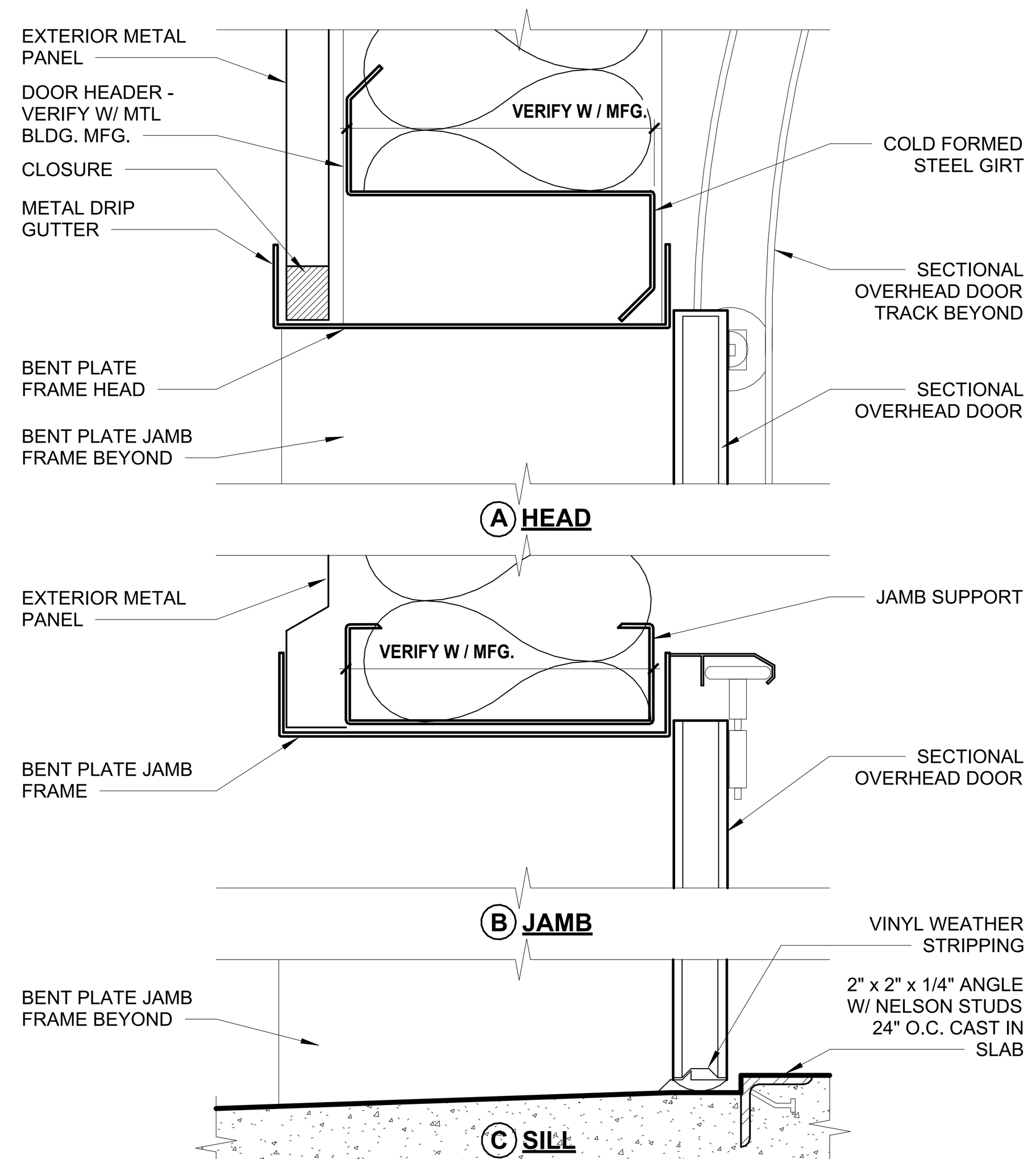
DOOR LEGEND

DOOR SCHEDULE 1

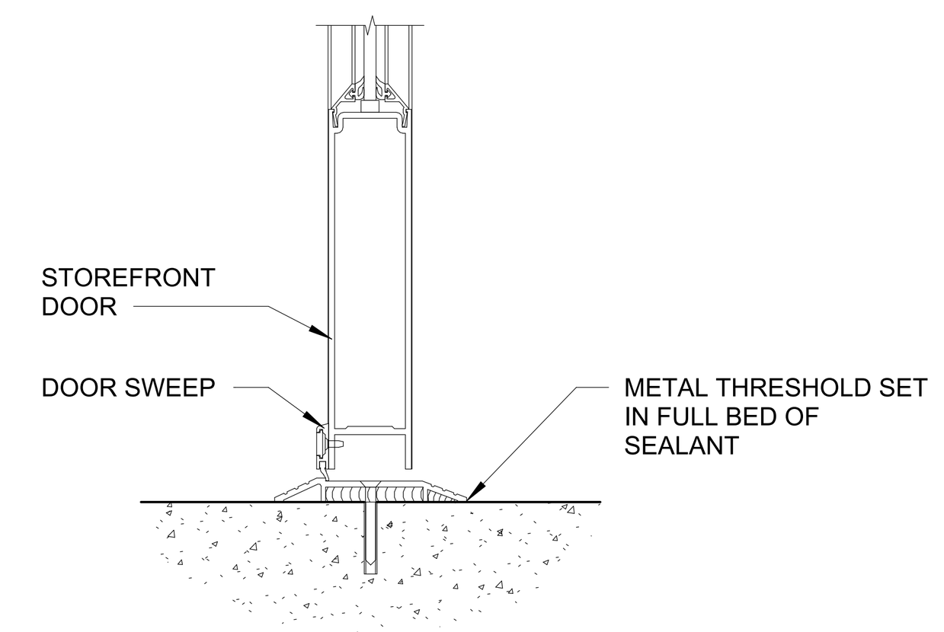
DOOR NUMBER	ROOM NAME	DOOR INFORMATION TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	FRAME INFORMATION TYPE	MATERIAL	FINISH	HEAD	JAMB	SILL	HARDWARE	FIRE RATING	ACCESS CONTROL	COMMENTS
100A	SHOP BAYS	S1	16' - 0"	16' - 0"	2"	---	---	---	---	---	9/A620	9/A620	9/A620	001	---		INSULATED
100B	SHOP BAYS	S1	16' - 0"	16' - 0"	2"	---	---	---	---	---	9/A620	9/A620	9/A620	001	---		INSULATED
100C	SHOP BAYS	S1	16' - 0"	16' - 0"	2"	---	---	---	---	---	9/A620	9/A620	9/A620	001	---		INSULATED
100D	SHOP BAYS	F	3' - 0"	8' - 0"	1 3/4"	HM	P-5	1	HM	P-5	8/A620	8/A620	8/A620	C205T	---	Yes	
100E	SHOP BAYS	E	8' - 0"	10' - 0"	2"	---	---	---	---	---				001	---		INSULATED
100F	SHOP BAYS	F	3' - 0"	8' - 0"	1 3/4"	HM	P-5	1	HM	P-5	8/A620	8/A620	8/A620	C205T	---	Yes	
100G	SHOP BAYS	S1	16' - 0"	16' - 0"	2"	---	---	---	---	---	9/A620	9/A620	9/A620	001	---		INSULATED
100H	SHOP BAYS	S1	16' - 0"	16' - 0"	2"	---	---	---	---	---	9/A620	9/A620	9/A620	001	---		INSULATED
101A	SHOP BAYS	F	3' - 0"	7' - 0"	1 3/4"	HM	P-5	2	HM	P-5	4/A620	4/A620	2/A620	203	---		
102A	FAB SHOP	S1	16' - 0"	16' - 0"	2"	---	---	---	---	---	9/A620	9/A620	9/A620	001	---		INSULATED
102B	FAB SHOP	F	6' - 0"	8' - 0"	1 3/4"	HM	P-5	1	HM	P-5	8/A620	8/A620	---	510CT	---		
103A	PARTS ROOM	S1	16' - 0"	16' - 0"	2"	---	---	---	---	---	9/A620	9/A620	9/A620	001	---		INSULATED
103B	PARTS ROOM	F	6' - 0"	8' - 0"	1 3/4"	HM	P-5	1	HM	P-5	8/A620	8/A620	---	510CT	---		
104A	OIL ROOM	OH	8' - 0"	8' - 0"	2"	---	---	---	---	---				001	---		INSULATED
104B	OIL ROOM	C	4' - 0"	7' - 0"	3/4"	HM	---	1	HM	P-5	4/A620	4/A620	---	---	---		
104C	OIL ROOM	F	3' - 0"	8' - 0"	1 3/4"	HM	P-5	1	HM	P-5	8/A620	8/A620	8/A620	205T	---	Yes	
105A	ELEC ROOM	F	3' - 0"	8' - 0"	1 3/4"	HM	P-5	2	HM	P-5	4/A620	4/A620	2/A620	785T	90	Yes	
105B	ELEC ROOM	C	3' - 4"	8' - 1"		HM	P-5	1	HM	P-5	6/A620	6/A620	---	---			
105C	EXISTING TRUCK SHED	C	3' - 4"	8' - 1"		HM	P-5	1	HM	P-5	6/A620	6/A620	---	---			
106A	FIRE RISER	F	6' - 0"	7' - 0"	1 3/4"	HM	P-5	1	HM	P-5	6/A620	6/A620	2/A620	214	---		
107A	ENTRY/LOCKERS	SF	3' - 0"	8' - 0 1/4"	1 3/4"	ALUM & GLASS	ANODIZED	---	ALUMINUM	---	REF WINDOW ELEV.	REF WINDOW ELEV.	REF WINDOW ELEV.	C715A	---	Yes	
108A	CORRIDOR	F	3' - 0"	7' - 0"	1 3/4"	HM	P-5	2	HM	P-5	4/A620	4/A620	2/A620	501C	---		
109A	OFFICE	F	3' - 0"	8' - 0"	1 3/4"	WOOD	---	3	HM	P-5	4/A620	4/A620	---	103T	---		
110A	OFFICE	F	3' - 0"	8' - 0"	1 3/4"	WOOD	---	3	HM	P-5	4/A620	4/A620	---	103T	---		
111A	JAN.	F	3' - 0"	8' - 0"	1 3/4"	WOOD	---	1	HM	P-5	4/A620	4/A620	---	203T	---		
112A	TOILET	F	3' - 0"	8' - 0"	1 3/4"	WOOD	---	1	HM	P-5	4/A620	4/A620	---	341T	---		
113A	TOILET/SHOWER	F	3' - 0"	8' - 0"	1 3/4"	WOOD	---	1	HM	P-5	4/A620	4/A620	---	341T	---		
114A	CORRIDOR	F	3' - 0"	8' - 0"	1 3/4"	WOOD	---	3	HM	P-5	4/A620	4/A620	---	801T	---		
114B	BREAK ROOM	F	3' - 0"	8' - 0"	1 3/4"	WOOD	---	3	HM	P-5	4/A620	4/A620	---	801T	---		
115A	STORAGE	F	3' - 0"	8' - 0"	1 3/4"	WOOD	---	1	HM	P-5	4/A620	4/A620	---	503T	---		
116A	CONSTRUCTION OFFICE	F	3' - 0"	8' - 0"	1 3/4"	HM	P-5	2	HM	P-5	4/A620	4/A620	2/A620	C785T	90	Yes	GC TO ENSURE PROPER GRADE TRANSITION FOR EGRESS
116B	CONSTRUCTION OFFICE	C	3' - 4"	8' - 0"		HM	P-5	1	HM	P-5	6/A620	6/A620	---	---	---		
116C	EXISTING TRUCK SHED	C	4' - 4"	8' - 1"		HM	P-5	1	HM	P-5	6/A620	6/A620	---	---			
117A	OFFICE	F	3' - 0"	8' - 0"	1 3/4"	WOOD	---	3	HM	P-5	4/A620	4/A620	---	103T	---		
118A	SUPERVISOR OFFICE	F	3' - 0"	8' - 0"	1 3/4"	WOOD	---	3	HM	P-5	4/A620	4/A620	---	103T	---		
119A	OFFICE	F	3' - 0"	8' - 0"	1 3/4"	WOOD	---	3	HM	P-5	4/A620	4/A620	---	103T	---		
120A	TOILET	F	3' - 0"	8' - 0"	1 3/4"	WOOD	---	1	HM	P-5	4/A620	4/A620	---	341T	---		
121A	CONSTRUCTION OFFICE	F	3' - 0"	8' - 0"	1 3/4"	WOOD	---	1	HM	P-5	4/A620	4/A620	---	801T	---		
125A	WASH BAY	F	3' - 0"	8' - 0"	1 3/4"	HM	P-5	2	HM	P-5	4/A620	4/A620	2/A620	105	---		
125B	WASH BAY	S1	16' - 0"	16' - 0"	2"	---	---	---	---	---	9/A620	9/A620	9/A620	001	---		INSULATED
125C	WASH BAY	S1	16' - 0"	16' - 0"	2"	---	---	---	---	---	9/A620	9/A620	9/A620	001	---		INSULATED
125D	WASH BAY	F	3' - 0"	8' - 0"	1 3/4"	HM	P-5	2	HM	P-5	4/A620	4/A620	2/A620	105	---		
202A	EQUIPMENT ROOM	F	6' - 0"	8' - 0"	1 3/4"	HM	P-5	1	HM	P-5	6/A620	6/A620	---	210T	---		

SHEET NOTES

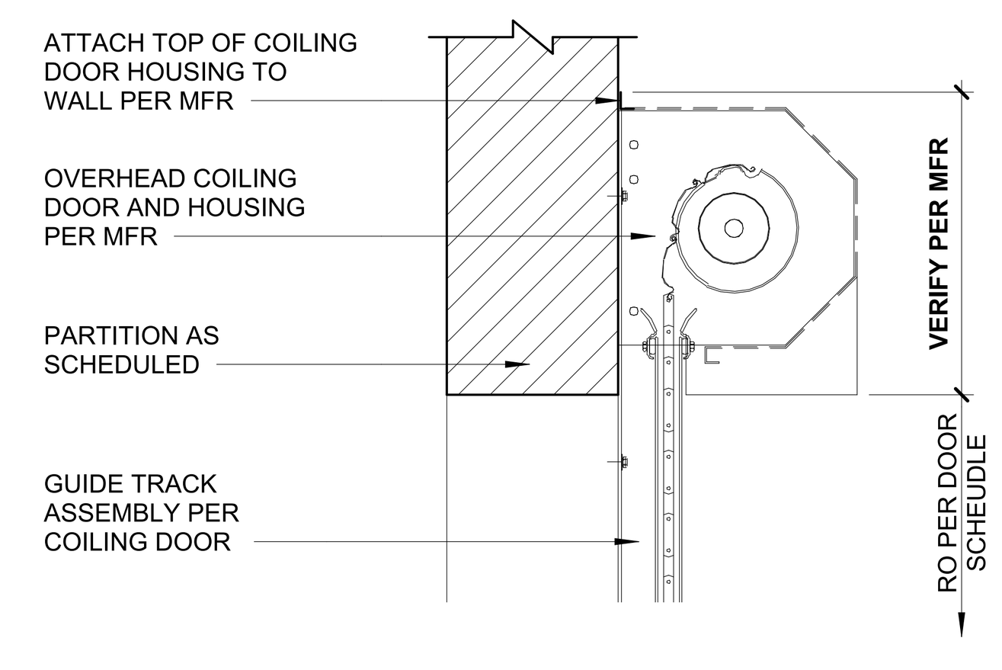
1. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION.
2. DETAILS PROVIDED FOR PURPOSES OF DESIGN INTENT. VENDOR TO COORDINATE GLAZING AND FRAME SPECIFICATIONS WITH MANUFACTURER'S DETAILS AND SUBMIT COMPLETE SHOP DRAWINGS FOR REVIEW.
3. PROVIDE WEATHER SEALS ON ALL EXTERIOR DOOR PER ANSI STANDARDS.
4. ALL EGRESS HARDWARE TO MEET CODE REQUIREMENTS.
5. HARDWARE VENDOR TO PROVIDE HARDWARE SUBMITTAL TO OWNER & ARCHITECT FOR FINAL APPROVAL - REF DOOR SCHEDULE FOR ANY OMISSIONS / CHANGES TO HARDWARE REQUIRED.
6. WOOD DOORS INTERIOR FLUSH" 1 3/4" TH. SOLID PARTICLE 5-PLY CORE CONSTRUCTION. CORE SHALL BE NON-RATED COMPLYING WITH AWI SECTION 1300 TYPICAL PC-PARTICLE BOARD.



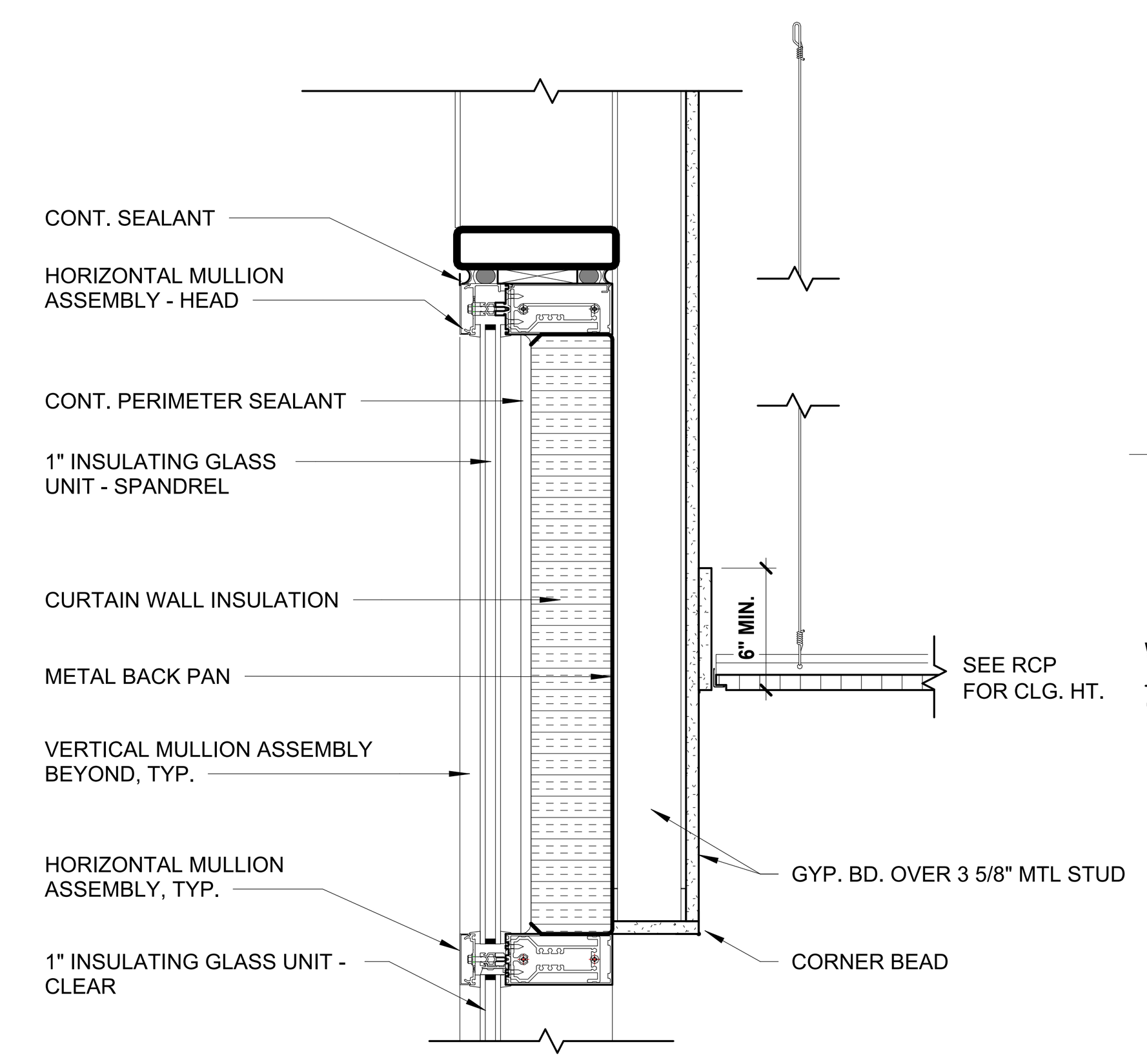
9 DETAIL @ SECTIONAL OVERHEAD DOOR
3" = 1'-0"



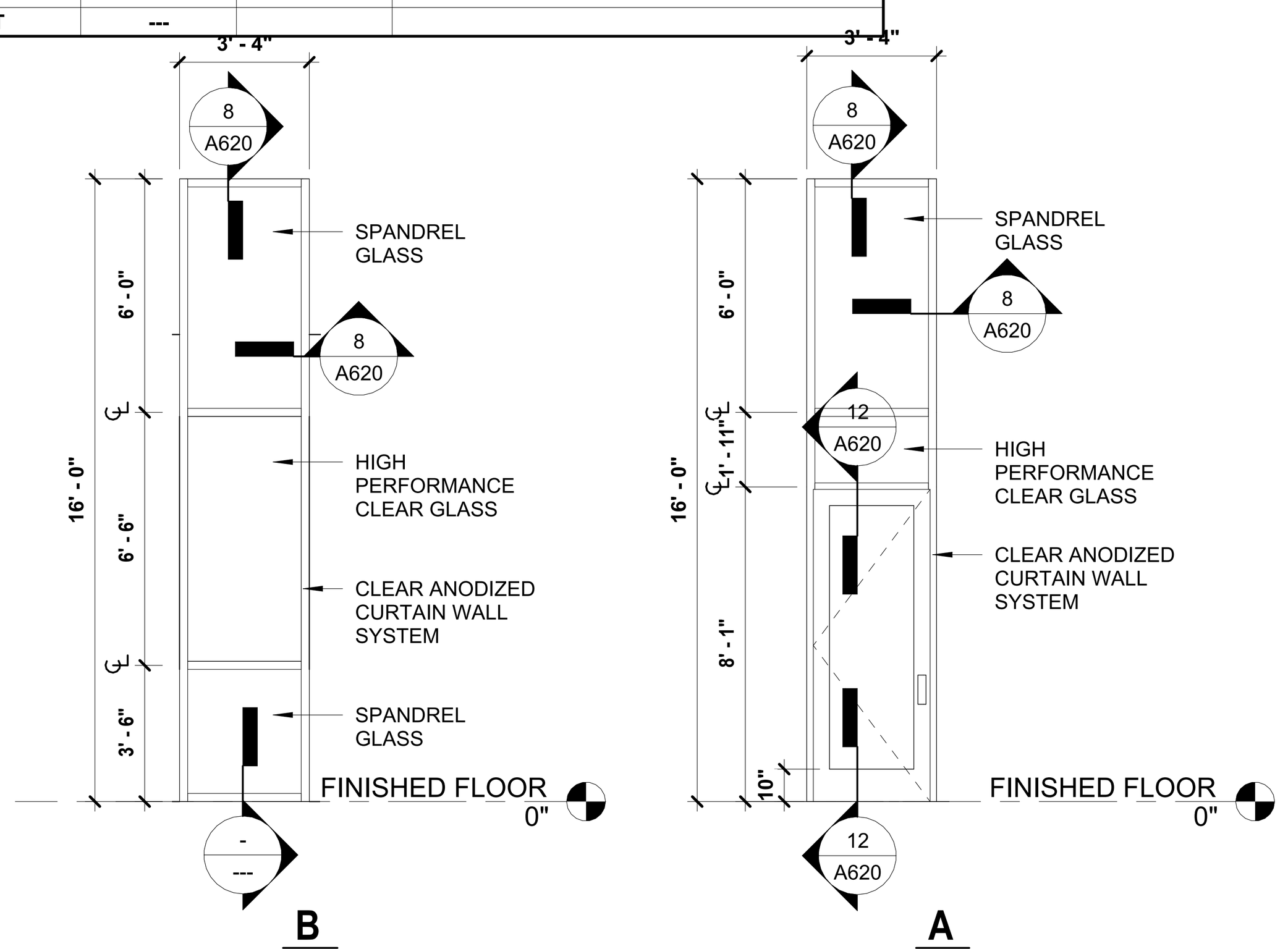
12 THRESHOLD @ STOREFRONT
3" = 1'-0"



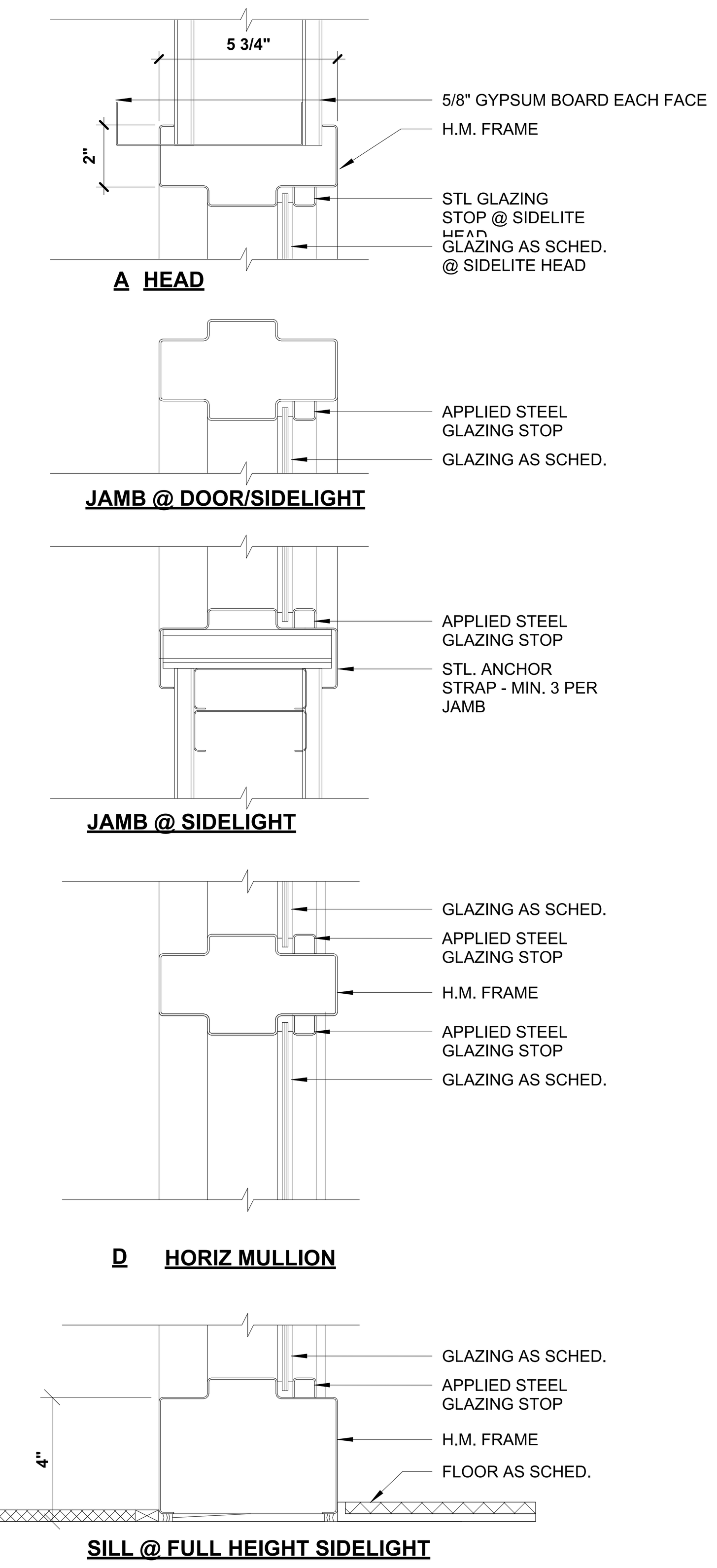
11 HEAD
1 1/2" = 1'-0"



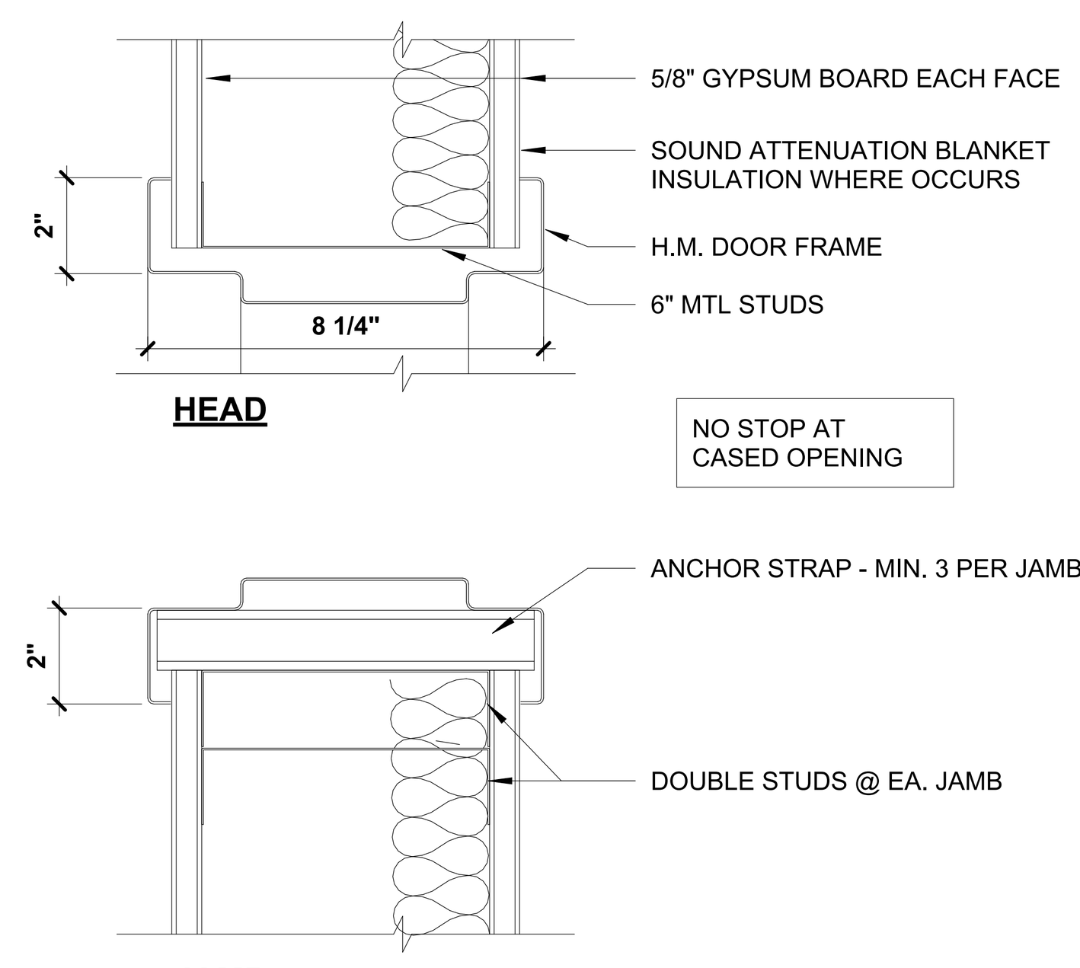
10 SPANDREL GLASS DETAIL
1 1/2" = 1'-0"



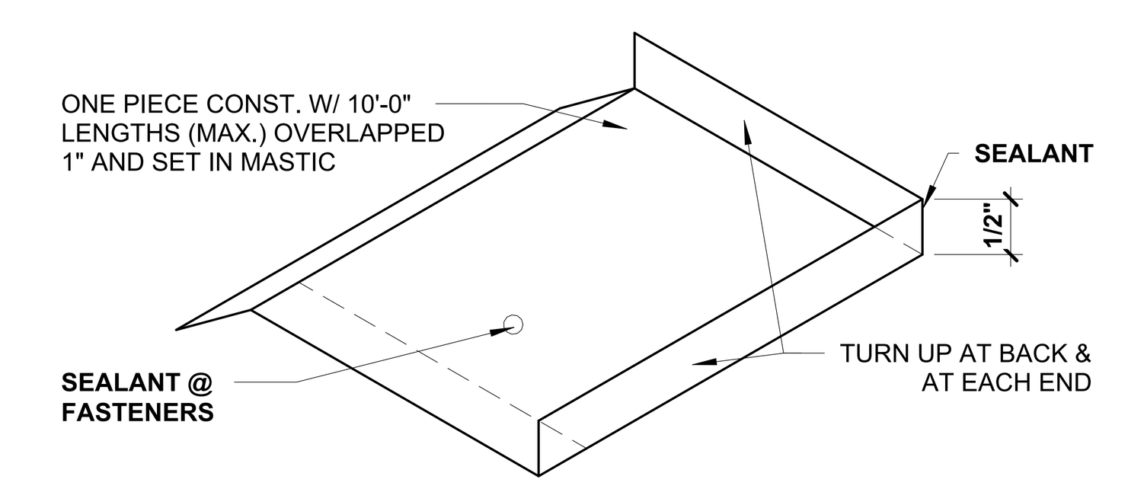
WINDOW ELEVATIONS
1/4" = 1'-0"



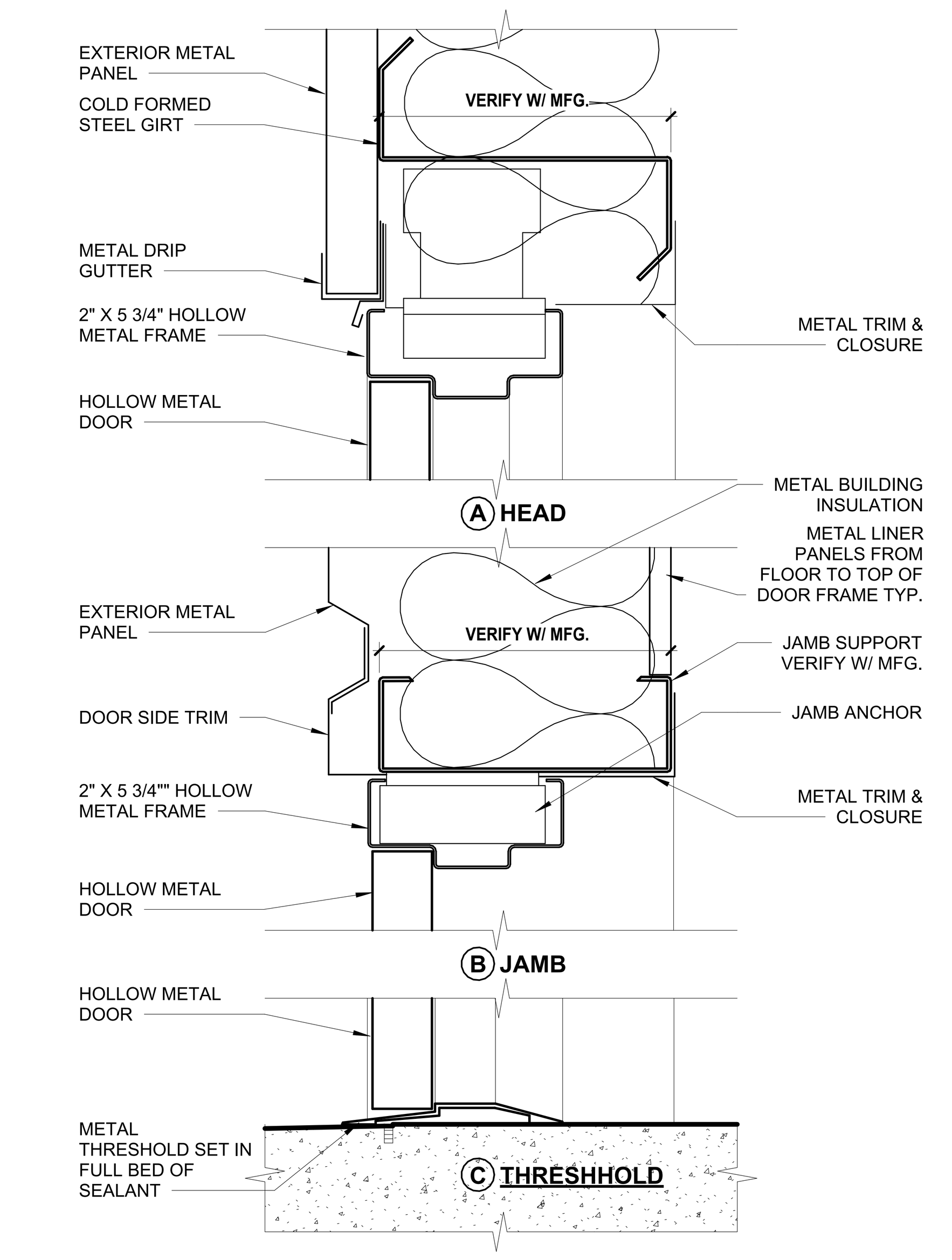
7 DOOR DETAIL - INTERIOR - H.M. @ GYPSUM ON 3 5/8" MTL STUDS W/ SIDELITE
3" = 1'-0"



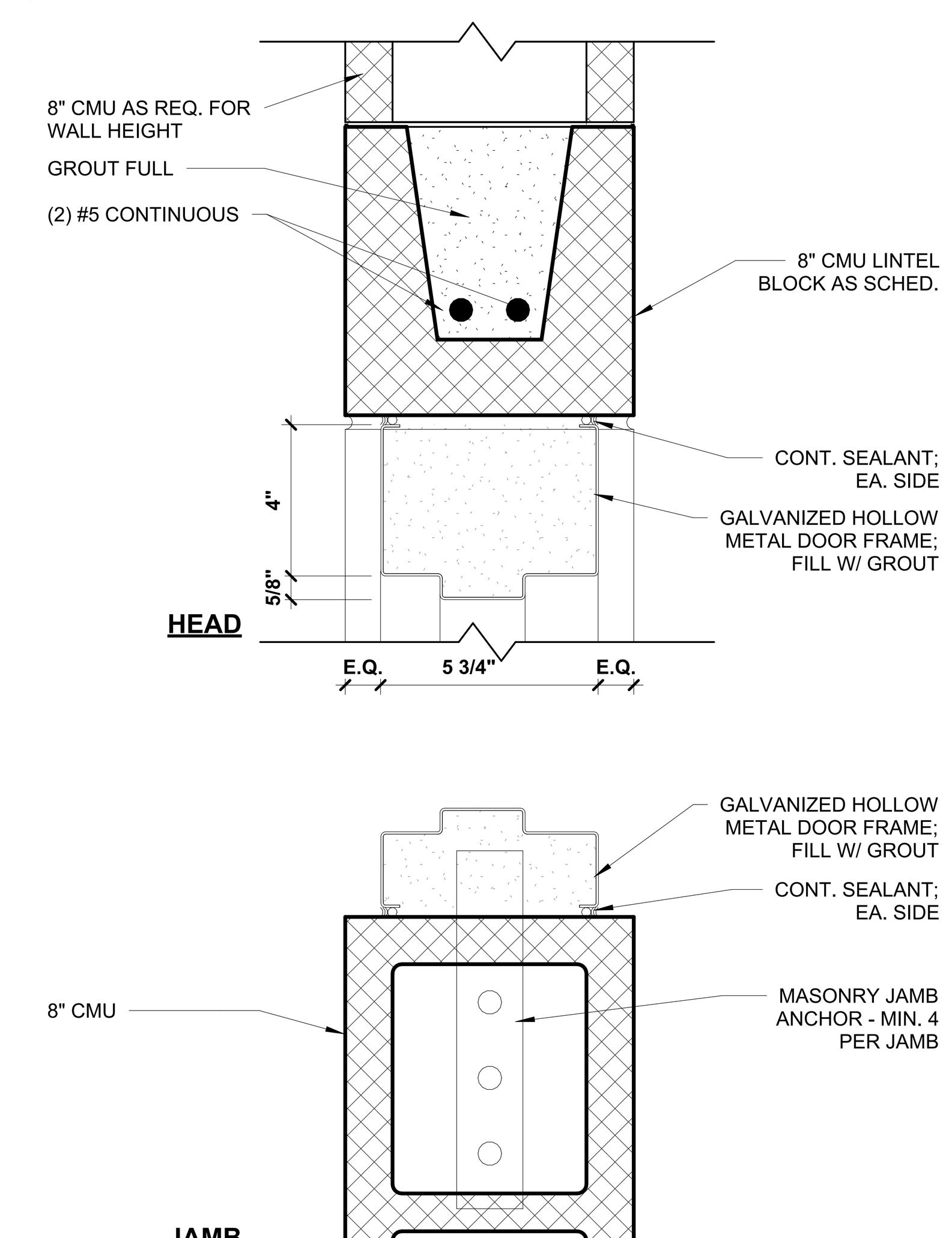
6 DOOR DETAIL - INTERIOR - H.M. @ GYPSUM ON 6" MTL STUDS
3" = 1'-0"



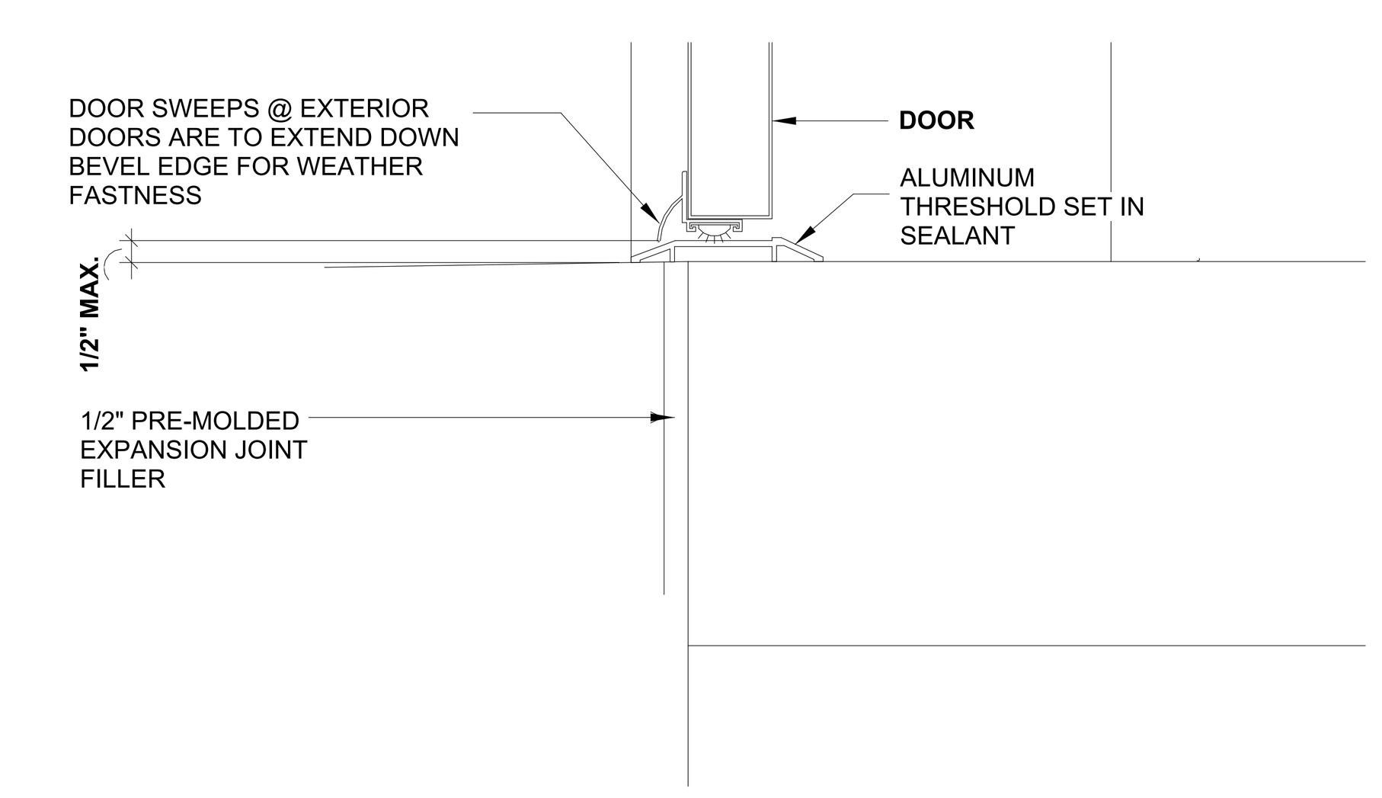
3 WINDOW - SUBSILL DETAIL @ ALL EXTERIOR WINDOWS
N.T.S.



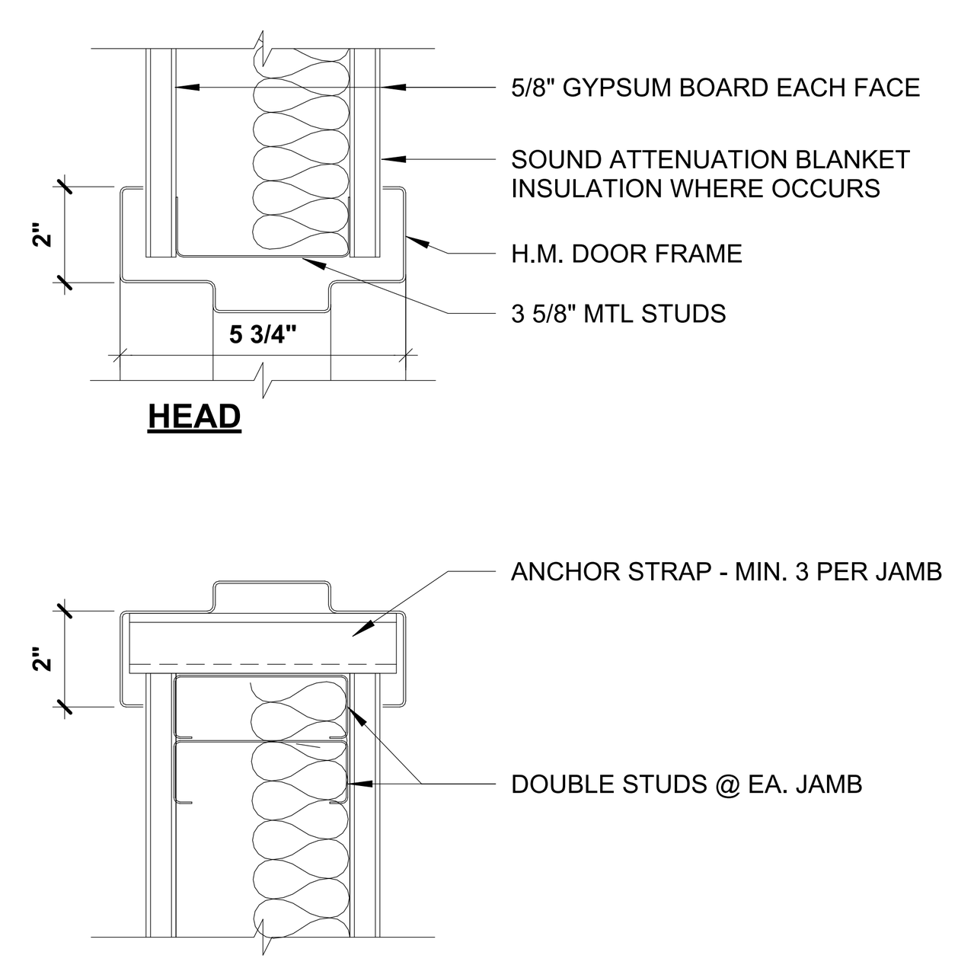
8 DETAIL @ EXTERIOR HM DOOR FRAME
3" = 1'-0"



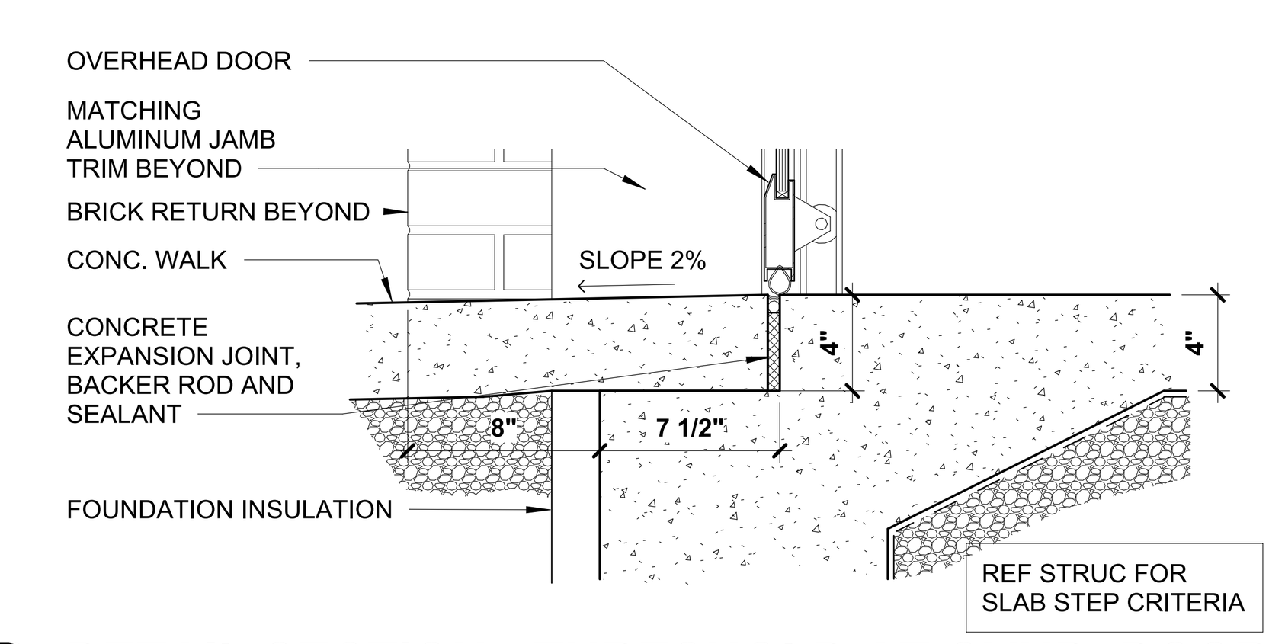
4 DOOR DETAIL - INTERIOR - H.M. @ 8" CMU
3" = 1'-0"



2 DOOR DETAIL - EXTERIOR - TYPICAL THRESHOLD
3" = 1'-0"



5 DOOR DETAIL - INTERIOR - H.M. @ GYPSUM ON 3 5/8" MTL STUDS
3" = 1'-0"



1 DETAIL SECTION - THRESHOLD AT OVHD. DOOR
1 1/2" = 1'-0"

WDD ARCHITECTS

PROJECT TITLE

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

CONTENTS

WINDOW LEGEND, DOOR SCHEDULE & DETAILS

REVISIONS

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1

24-096
JOB. NO.
02.14.2025
DATE

ISSUE

SHEET

A620

ABBREVIATIONS

#XX	NUMBER	G.C.	GENERAL CONTRACTOR	PLBG	PLUBMING
A.F.F.	ABOVE FINISHED FLOOR	GA	GAUGE	PSF	POUNDS PER SQ FOOT
ADD'L	ADDITIONAL	GALV	GALVANIZED	PSI	POUNDS PER SQ INCH
ADJ	ADJACENT	H.S.	HIGH STRENGTH	REINF	REINFORCEMENT
ARCH	ARCHITECTURAL	HORIZ	HORIZONTAL	REQ'D	REQUIRED
B.F.F.	BELOW FINISHED FLOOR	HSS	ROUND, SQUARE, OR RECTANGULAR STRUCTURAL TUBING	SC	SLIP CRITICAL
BLDG.	BUILDING			SECT	SECTION
BOT.	BOTTOM			SHT.	SHEET
BTWN	BETWEEN	ID	INSIDE DIAMTER	SIM	SIMILAR
C	STANDARD CHANNEL	JT	JOINT	S.J.	SAWN JOINT
CFS	COLD-FORMED STEEL	K or k	KIP (1,000 LBS)	SPA	SPACE
CJ	CONTROL JOINT	KCJ	KEYED CONTROL JOINT	SQ	SQUARE
CJP	COMPLETE JOINT PENETRATION	KSI	KIPS PER SQUARE INCH	SSL	SHORT SLOTTED HOLES
		L	ANGLE	STD	STANDARD
CL	CENTERLINE	LBS	POUNDS	T&B	TOP AND BOTTOM
CLR	CLEAR	LF	LINEAL FOOT	T.O.F.	TOP OF FOOTING
CMU	CONCRETE MASONRY UNIT	LLH	LONG LEG HORIZONTAL	T.O.S.	TOP OF STEEL or TOP OF SLAB
		LLV	LONG LEF VERTICAL		
COL	COLUMN	LSL	LONG SLOTTED HOLES	T.O.W.	TOP OF WALL
CONC	CONCRETE	MANUF	MANUFACTURER	TC	TENSION CONTROL
CON'X	CONNECTION	MATL	MATERIAL	THRU	THROUGH
CONT	CONTINUOUS	MAX	MAXIMUM	TYP	TYPICAL
D.B.	DECK BEARING	MC	MISCELLANEOUS CHANNEL	U.N.O	UNLESS NOTED OTHERWISE
DBA	DEFORMED BAR ANCHOR			VERT OR V	VERTICAL
DIA	DIAMETER	MECH	MECHANICAL		
DTL	DETAIL	MIN	MINIMUM	VSC	VERTICAL SLIDING CLIP
E.F.	EACH FACE	MISC	MISCELLANEOUS	W	WIDE FLANGE
EA	EACH	N.T.S.	NOT TO SCALE	W.W.R.	WELDED WIRE REINF.
ELEV	ELEVATION	NS	NEAR SIDE	w/	WITH
EW	EACH WAY	O.C.	ON CENTER	WP	WORK POINT
EXIST	EXISTING	OD	OUTSIDE DIAMETER	WT	TEE SHAPE MADE FROM W SHAPE
EXP	EXPANSION	OPP	OPPOSITE		
FF	FINISHED FLOOR	P.J.	PANEL JOINT	X/S-YYY	SECTION/DETAIL 'X' ON SHEET 'S-YYY'
FLR	FLOOR	PAF	POWER ACTUATED FASTENER		
FS	FAR SIDE			XX#	POUNDS
FT'G	FOOTING	PL	PLATE	ZRC	ZIN BASE PAINT

STRUCTURAL DESIGN CRITERIA

BUILDING CODE: 2021 INTERNATIONAL BUILDING CODE & ASCE 7-16

STRUCTURAL RISK CATEGORY:		II
GRAVITY LOADS:		
LIVE LOADS		
FLOORS:	OFFICE AREAS	50 psf
	MECHANICAL ROOMS	125 psf
ROOF:	MINIMUM (NON-REDUCIBLE)	20 psf
	MECHANICAL ROOF	N/A
	GROUND SNOW LOAD	21 psf
	FLAT ROOF SNOW LOAD	13 psf
	SNOW DRIFT LOAD (MAX)	50 psf
	- SNOW LOAD IMPORTANCE FACTOR	Is = 1.0
	- SNOW EXPOSURE FACTOR	Ce = 1.0
	- THERMAL FACTOR	Ct = 1.0
DEAD LOADS		
FLOORS:	STRUCTURAL SLAB	70 psf
ROOF:	DEAD AND COLLATERAL (BOTTOM CHORD)	10 psf
	DEAD AND COLLATERAL (TOP CHORD)	15 psf
	LIVE LOAD (TOP CHORD ONLY)	20 psf
LATERAL LOADS:		
WIND		
	BASIC WIND SPEED	115 mph
	EXPOSURE	B
	WIND IMPORTANCE FACTOR	1.00
	INTERNAL PRESSURE COEFFICIENT	+/- 0.18
SEISMIC		
	SEISMIC OCCUPANCY CATEGORY	II
	SEISMIC IMPORTANCE FACTOR	Ie = 1.00
	SPECTRAL RESPONSE COEFFICIENT	Ss = 1.56 S1 = 0.42
	SITE CLASS	D (STIFF SOIL)
	ADJUSTED MC SPECTRAL RESPONSE	Sms = 1.22 Sm1 = 0.41
	DESIGN SPECTRAL RESPONSE ACCELERATION	Sds = 0.81 Sd1 = 0.28
	SEISMIC DESIGN CATEGORY	D
	BASIC SEISMIC RESISTING SYSTEM	MOMENT FRAME(S) (R=3.25)
	DESIGN BASE SHEAR	V = 0.024W
	SEISMIC RESPONSE COEFFICIENT	Cs = 0.249
	RESPONSE MODIFICATION FACTOR	R = 3.25
	ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE PROCEDURE

SYSTEMS AND COMPONENET REQUIRING SPECIAL INSPECTION - SEE SPECIFICATION SECTION 014533 (IBC).

THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2012 INTERNATION BUILDING CODE AND ASCE 7-10.

GENERAL STRUCTURAL NOTES

A. SPECIAL INSPECTIONS:

1. QUALIFIED INSPECTORS SHALL CONDUCT SPECIAL INSPECTIONS AND TEST AND FURNISH REPORTS AS SPECIFIED IN SECTION 014533 AND IN ACCORDANCE WITH CHAPTER 17, INTERNATIONAL BUILDING CODE.

2. THE CONTRACTOR SHALL COORDINATE THE SPECIAL INSPECTIONS AND TESTING SERVICES WITH THE PROGRESS OF THE WORK, PROVIDE THE APPROPRIATE DOCUMENTATION AND PERFORM OTHER TASKS AS SPECIFIED IN SECTION 014533 (IBC).

3. THE CONTRACTOR IS RESPONSIBLE FOR ALL OTHER INSPECTIONS OR TESTS IN THE SPECIFICATIONS, NOT USED IN THE SCHEDULE OF SPECIAL INSPECTION SERVICES IN SECTION 014533 (IBC).

4. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF REPAIR, REINSPECTION AND RETESTING FOR ITEMS THAT DO NOT PASS THE INSPECTIONS OR TESTS.

5. SPECIAL INSPECTION SERVICES DO NOT RELIEVE THE CONTRACTOR OR RESPONSIBILITY FOR COMPLIANCE WITH OTHER CONSTRUCTION DOCUMENT REQUIREMENTS OR REGULATORY REQUIREMENTS.

B. STABILITY DURING CONSTRUCTION, SHORING, AND TEMPORARY STRUCTURES:

1. PERMANENT STABILITY OF THE BUILDING AND COMPONENTS IS NOT PROVIDED UNTIL ALL THE STRUCTURAL ELEMENTS ARE INSTALLED AS SHOWN ON THE CONTRACT DRAWINGS; PROVIDE STABILITY TO ALL NON-SELF SUPPORTING ELEMENTS AND SAFETY TO ALL WORKERS, ANIMALS AND PROPERTY DURING CONSTRUCTION AND UNTIL ALL PERMANENT BRACING ELEMENTS ARE INSTALLED.

2. WHERE SHORING AND/OR TEMPORARY STRUCTURES ARE REQUIRED IN ORDER TO SATISFY THE CONTRACT REQUIREMENTS; TEMPORARY STRUCTURES SHALL BE DESIGNED AND BUILT WITHOUT EXTRA COST TO THE CONTRACT. THE DESIGN SHALL BE DONE BY A REGISTERED PROFESSIONAL ENGINEER.

3. BRACING USED TO STABILIZE THE BUILDING DURING THE ERECTION PROCESS SHALL BE DESIGNED TO NOT TWIST OR DISTORT MEMBERS. SPECIFICALLY, IF CABLES ARE USED THEY SHALL BE ATTACHED TO THE CENTER OF THE COLUMN AND NOT WRAPPED AROUND THE COLUMN IN A MANNER THAT WILL TWIST THE COLUMN.

4. THE TEMPORARY BRACING USED TO STABILIZE THE BUILDING DURING THE ERECTION PHASE SHALL BE DESIGNED FOR LOADS AS REQUIRED BY THE APPLICABLE CODES. THE DESIGN OF THE BRACING SHALL TAKE INTO ACCOUNT ADDITIONAL FORCES DUE TO THERMAL CONTRACTION AND EXPANSION OF THE BUILDING FRAME AND BRACES.

5. THE ANCHOR RODS FOR STEEL COLUMNS ARE NOT DESIGNED TO STABILIZE STRUCTURE BY PROVIDING FIXITY OF THE COLUMN BASE DURING ERECTION OF THE STEEL. PROVIDE TEMPORARY BRACING FOR STABILITY DURING THE ERECTION PHASE AND UNTIL ALL GRAVITY AND LATERAL LOAD RESISTING ELEMENTS ARE IN PLACE AND WELDING AND/OR BOLTING INSPECTION IS COMPLETE.

6. COMPLY WITH OSHA SAFETY STANDARDS FOR ERECTION OF THE BUILDING FRAME.

C. MISCELLANEOUS:

1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH DRAWINGS RELATING TO OTHER TRADES. CHECK AND COORDINATE DIMENSIONS, CLEARANCES, OPENINGS, PIPE SLEEVES, CURBS, ETC. WITH THE WORK OF OTHER TRADES.

2. PRINCIPAL OPENINGS THROUGH THE FRAMING ARE SHOWN ON THESE DRAWINGS. EXAMINE THE DRAWINGS FOR REQUIRED OPENING AND PROVIDE FOR ALL OPENINGS WHETHER SHOWN ON THESE DRAWINGS ARE NOT, AND VERIFY SIZE AND LOCATION OF AL OPENINGS WITH ALL SUB-CONTRACTORS. NOMINAL PIPE SLEEVES THROUGH THE DECK WILL NOT REQUIRE FRAMING UNLESS THE OPENING EXCEEDS 10 IN DIAMETER.

3. WORK NOT INDICATED ON PART OF THE DRAWING BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES SHALL BE REPEATED.

4. LOADING FOR MECHANIC ROOMS ARE BASED ON THE WEIGHTS OF ASSUMED EQUIPMENT AS INDICATED ON THE MECHANICAL DRAWINGS (INCLUDING THE WEIGHT OF CONCRETE PADS, WHERE INDICATED). ANY CHANGES IN TYPE, SIZE OR NUMBER OF PIECES OF EQUIPMENT SHALL BE REPORTED TO THE ARCHITECT/ENGINEER FOR VERIFICATION OF THE ADEQUACY OF SUPPORTING MEMBERS PRIOR TO THE PLACEMENT OF SUCH EQUIPMENT.

5. ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS AND DETAILS.

6. INSURE THT ALL CONSTRUCTION LOADS DO NOT EXCEED THE DESIGN LIVE LOADS INDICATED ON THE STRUCTURAL DRAWINGS AND THAT THESE LOADS ARE NOT PUT ON THE STRUCTURAL MEMBERS PRIOR TO THE TIME THAT THE CONCRETE REACHES THE FULL DESIGN STRENGTH AND ALL FRAMING MEMBERS AND THEIR CONNECTIONS ARE IN PLACE.

7. THE DETAILS SHOWN AND DESIGNATED AS "TYPICAL DETAILS" APPLY GENERALLY TO THE DRAWINGS IN ALL AREAS WHERE CONDITIONS ARE SIMILAR TO THOSE DESCRIBED IN THE DETAILS UNLESS NOTED OTHERWISE.

8. THE DETAILS ON THE CONTRACT DRAWINGS SHALL NOT BE REVISED WITHOUT PRIOR APPROVAL BY THE ARCHITECT/ENGINEER. IF PERMITTED, THE REVISED DETAILS AND CALCULATIONS SHALL BE DONE ONLY BY A LICENSED PROFESSIONAL ENGINEER AND SUBMITTED TO THE ARCHITECT/ENGINEER FOR APPROVAL.

9. PROVIDE SIGNS AT ROOMS/FLOORS POSTED IN A CONSPICUOUS LOCATION INDICATING THE FLOOR LIVE LOAD CAPACITY AS STATED IN THE DESIGN CRITERIA SECTION OF THIS DRAWING. THE SIGNS SHALL CONFORM TO THE REQUIREMENTS OF THE BUILDING CODE AND THE BUILDING INSPECTOR. SEE SPECIFICATION FOR GENERAL SIGN REQUIREMENTS.

10. IF A DIFFERENT ELEVATOR IS SELECTED SUCH THAT FRAMING AND/OR FOUNDATION CHANGES ARE REQUIRED, INCLUDE AN ALLOWANCE FOR THE ENGINEER TO REDESIGN TO ACCOMMODATE THE ELEVATOR REQUIREMENTS.

11. PRIOR TO STARTING SHOP DRAWINGS, ORDERING MATERIAL, AND PRIOR TO FABRICATION:
   a. CHECK ALL DIMENSIONS AGAINST REQUIREMENTS OF OTHER CONTRACT DOCUMENTS
   b. ARCHITECTURAL DIMENSIONS GOVERN

12. RESOLVE APPARENT DEFICIENCIES, OMISSIONS, CONTRADICTION, AND AMBIGUITIES IN CONTRACT DOCUMENTS WITH ARCHITECT/ENGINEER BEFORE AFFECTED WORK PROCEEDS. FOR BID PURPOSES USE THE INTERPRETATIONS RESULTING IN THE GREATEST COST.

13. NO MODIFICATION, ALTERATION, CORRECTION, OR REPAIR SHALL BE MADE WITHOUT PRIOR REVIEW AND ACCEPTANCE OF STRUCTURAL ENGINEER. SUBMIT DETAILS AND CALCULATIONS PREPARED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED AND EMPLOYED BY THE CONTRACT. ARCHITECTURAL/ENGINEER REVIEW IS CONTRACTOR' EXPENSE.

D. FOUNDATION & EARTHWORK:

1. FOUNDATION DESIGN IS BASED UPON A PRESUMED BEARING VALUE OF 2000 PSF AND NO EXPANSIVE SOILS PRESENT AT THE SITE. NO GEOTECHNICAL REPORT WAS PROVIDED TO THE STRUCTURAL ENGINEER AT THE TIME THESE DRAWINGS WERE COMPLETED.

2. BEARING MATERIAL AND BEARING VALUE OF THE FOUNDATION SOILS SHALL BE FIELD VERIFIED AFTER EXCAVATION AND PRIOR TO PLACEMENT OF CONCRETE. TESTING SHOULD BE PERFORMED BY A CERTIFIED MATERIALS TESTING LABORATORY.

3. TAKE ADEQUATE MEASURES TO ALLOW FOR WORKING SURFACE DURING CONSTRUCTION OF FOUNDATIONS AND SLAB-ON-GRADE, SUCH AS GRAVEL BED OF ADEQUATE DEPTH, ETC.

4. SOME UNDERCUTTING MAY BE REQUIRED DEPENDING ON TIME OF YEAR (GROUND MEASURE). COORDINATE CLEARING AND DIRT WORK WITH GEOTECHNICAL ENGINEER.

5. BACKFILLING:
   - DO NOT PLACE BACKFILL AGAINST CONCRETE WALLS AND GRADE BEAMS UNTIL BRACING FLOORS ARE ARE IN PLACE OR ADEQUATE TEMPORARY BRACING HAS BEEN INSTALLED.
   - BACKFILL IN EVEN LIFTS ALTERNATING FROM SIDE TO SIDE (8" MAX LOOSE LIFTS)
   - ALL FILL MATERIAL SHALL BE NONEXPANSIVE AND MINIMUM PLASTICITY
   - FILL SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY PER ASTM 1557
   - COMPACTION SHALL BE ACHIEVED WITHIN -3% TO +5% OF THE OPTIMUM WATER CONTENT

E. CONCRETE AND REINFORCING

1. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF ALL CONCRETE AT 28 DAYS SHALL BE 4,000 PSI WITH A WEIGHT OF 145 PCF.

2. MAXIMUM ALLOWABLE w/c RATIO = 0.55

3. MAXIMUM ALLOWABLE SLUMP = 5"

4. NO CHLORIDE ADDITIVES ALLOWED.

5. REINFORCING :

   - BARS: ASTM A615 - GRADE 60, EXCEPT USE GRADE 40 FOR BARS NOTED (IF NOTED). AS FIELD BENT.
   - SHEET MESH: ASTM A185

6. CLEARANCE BETWEEN REINFORCING AND CONCRETE SUFACES WHICH ARE:
   CAST AGAINST EARTH OR ROCK..3"
   FORMED AND EXPOSED TO WEATHER OR EARTH..............................2"
   FORMED BUT NOT EXPOSEDTO WEATHER OR EARTH:
   - COLUMNS, BEAMS, GIRDERS..1 1/2"
   - WALLS, SLABS..3/4"

7. MAXIMUM WATER/ CEMENT RATIO = 0.55 AND MAXIMUM SLUMP OF 5"

8. UNLESS OTHERWISE SHOWN IN THE ARCHITECTURAL DRAWINGS, PROVIDE 3/4" CHAMFERS AT ALL COLUMNS, BEAMS, WALLS, AND SLAB EDGES THAT ARE EXPOSED TO VIEW IN THE FINISHED STRUCTURE.

9. REFER TO ARCHITECTURAL DRAWINGS FOR CONCRETE FINISHES. WHERE FORM FINISH IS NOT SPECIFIED, CONFORM TO REQUIREMENTS OF ACI 301 AS MODIFIED BY THE SPECIFICATIONS.

10. MASONRY DOWELS: PROVIDE, PLACE, AND SPACE TO MATCH MASONRY VERTICAL REINFORCING.

11. "C.J." REPRESENTS CONTROL JOINT. SAWCUT ALL CONTROL JOINTS WITHIN 8 HOURS OF POUR.

12. PROVIDE PLAN (PER ACI RECCOMENDATIONS) FOR COLD (40°F & BELOW) OR HOT (90°F & ABOVE) WEATHER CONCRETE CURING. FOLLOW ACI RECCOMENDATIONS SPECIFIED IN ACI 306R-16 (COLD) & ACI 305R-20 (HOT WEATHER)

13. UNLESS SHOWN OR OTHERWISE NOTED, PROVIDE STANDARD HOOKS ON END OF ALL BARS EXCEPT THOSE LAPPED OR SPLICED TO A CONTINUING BAR.
   - WALLS: #5 EACH WAY EACH FACE. SPACING IN INCHES = 140/(WALL THICKNESS IN INCHES) BUT NOT OVER 18" O.C.
   - BEAMS: 1 - #9 CONTINUOUS TOP AND BOTTOM FOR EACH 100 SQUARE INCHES BEAM CROSS SECTIONAL AREA AND #4 STIRRUP AT 1/4 OF BEAM DEPTH FULL LENGTH OF BEAM
   - COLUMNS: 1 - #9 VERTICAL PER 50 SQUARE INCHES OF CROSS SECTIONAL AREA AND #3 TIES @ #9
   - SLABS: #5 EACH WAY TOP AND BOTTOM. SPACING IN INCHES = 100/(SLAB THICKNESS IN INCHES) BUT NOT OVER 18" O.C.

   ON SHOP DRAWINGS, INDICATE ABOVE REINFORCING AS "PER GENERAL NOTES". SUCH REINFORCING MAY BE REVISED OR RELOCATED BY STRUCTURAL ENGINEER DURING SHOP DRAWING REVIEW.

14. AS PART OF CONCRETE WORK PROVIDE CONCRETE EQUIPMENT PADS, HOUSE KEEPING PADS, INERTIA BASES AND CURBS AS INDICATED ON ANY OF THE CONTRACT DRAWINGS UNLESS SPECIFIED TO BE PROVIDED UNDER OTHER DIVISIONS OF THE SPECIFICATION. UNLESS NOTED, DOWEL TO STRUCTURE BELOW WITH #4 x 0'-6" PROJECTING 3" FROM CONCRETE BELOW AT 12" O.C. EACH WAY AND REINFORCE W/ #4 @ 12" EACH WAY, TOP AND BOTTOM

15. CONCRETE EQUIPMENT PADS, INERTIA BASES AND CURBS NOT SHOWN ON THE CONTRACT DOCUMENTS FOR THIS BID PACKAGE ARE THE RESPONSIBILITY OF THE TRADE WHO'S EQUIPMENT BEARS ON THEM OR ATTACHES TO THEM.

18. SEE ARCHITECTURAL DRAWINGS FOR DOOR AND WINDOW OPENINGS, DRIP SLOWS, REGLETS, MASONRY ANCHORS, PRECAST BEARING LEDGES, AND FOR MISCELLANEOUS EMBEDDED PLATS, BOLTS, ANCHORS, ETC.

19. SELECT FORMWORK TO PRODUCE THE FINISH REQUIRED. WHERE FINISH IS NOT SPECIFIED, FORMWORK FOR EXPOSED SURFACES SHALL E ACI347R, CLASS A , AND FORMWORK FOR OTHER SURFACES SHALL BE ACI 347R, CLASS C. A SURFACE IS CONSIDERED EXPOSED IF THE CONCRETE TEXTURE CAN BE SEEN BY ANYONE IN THE COMPLETED STRUCTURE.

F. STRUCTURAL STEEL

1. ROLLED AND BUILT UP SECTIONS
   - W8'S THRU W36'S - A572 GRADE 50
   - PIPES - A53 - 30 ksi
   - TUBES - A500 GRADE B - 46 ksi
   - BUILT-UP SHAPES - AS INDICATED
   - ALL ELSE - A36 - 36 ksi OR A572 GRADE 50

2. SPACE MEMBERS UNIFORMLY BETWEEN DIMENSIONED LOCATIONS

3. CONNECTIONS
   - WELD OR BOLT, UNLESS NOTED OTHERWISE
   - DESIGN CONNECTIONS NOT ENTIRELY DETAILED ON DRAWINGS
   - DETAILS SHOW THE RELATIONSHIP BETWEEN MEMBERS AND MAY GIVE LIMITATIONS OR CRITERIA TO BE USED IN DEVELOPING COMPLETE CONNECTIOND DESIGN AND DETAILS. USE CONNECTIONS FROM PART 4, AISC MANUAL, 9TH EDITION. FOR TS AND PIPE CONNECTIONS USE CONNECTIONS FROM AISC HOLLOW STRUCTURAL SECTIONS CONNECTIONS MANUAL.
   - MINIMUM THICKNESS: ANGLES 5/16" PLATES 3/8"

4. CONNECTION DESIGN FORCES
   - BEAM CONNECTIONS
     1) IF SHOWN, USE 110% OF THE REACTION OF THE DRAWINGS BUT NOT LESS THAN 10 kips.
     2) IF NO REACTION IS SHOWN, USE 55% OF TOTAL ALLOWABLE UNIFORM LOAD CAPACITY FROM THE AISC TABLES FOR ALLOWABLE LOADS ON BEAMS BU TNOT LESS THAN 10 kips.

5. BOLTED CONNECTIONS
   - MINIMUM BOLT DIAMETER, 3/4" UNLESS NOTED.
   - TWO BOLTS MINIMUM PER CONNECTED MEMBER.
   - USE A325SC OR A490SC BOLTS FOR BRACING, MOMENT CONNECTIONS, CANTILEVERS, TENSIONS MEMBERS AND AT OVERSIZED OR SLOTTED HOLES WHERE THE FORCE ON THE JOINT IS PARALLEL TO THE LONG AXIS OF THE SLOT, USE A25N OR A490N ELSEWHERE.
   - FOR BEAM TO COLUMN CONNECTION, USE SHORT OR LONG SLOTTED HOLES AND FULLY TENSIONED BOLTS, EXCEPT USE SC BOLTS AT MOMENT CONNECTIONS.
   - OVERSIZED AND LONG SLOTTED HOLES PERMITTED ONLY WHERE SHOWN OR NOTED.

6. WELDED CONNECTIONS:
   - ELECTRODES: 370 SERIES
   - FILLET WELDS: AISC MINIMUM, BUT NOT LESS THAN 3/16", UNLESS NOTED
   - GROOVE WELDS: FULL PENETRATION, UNLESS NOTED OTHERWISE
   - WELDS ARE CONTINUOUS UNLESS NOTED OTHERWISE

G. EMBEDDED ITEMS:

1. DO NOT EMBED PIPES, TUBES, WIRES, CONDUIT, DUCTS, OR CAVITY CREATING NON-STRUCTURAL ITEMS IN CONCRETE.

H. ANCHORING:

1. ANCHORS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE PROVIDED BY THE TRADE CONTRACTOR ATTACHING TO THE ANCHOR.

2. DETERMINING THE INSTALLED CAPACITY OF ANCHORS WHICH ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS IS THE RESPONSIBILITY OF THE TRADE CONTRACTOR ATTACHING TO THE ANCHOR.

3. LOCATING AND MISSING EMBED ITEMS IN CONCRETE IS THE RESPONSIBILITY OF THE TRADE CONTRACTOR ATTACHING TO THE ANCHOR.

I. SUPPORT AND BRACING OF WORK NOT SHOWN ON STRUCTURAL DRAWINGS:

1. SUPPORTS, BRACING, SUB-FRAMING, LIGHT GAGE FRAMING, MISCELLANEOUS STEEL, BRACKETS, CONNECTORS, AND ATTACHMENTS NOT SHOWN ON THE STRUCTURAL DRAWINGS ARE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE ENGINEERED AND PROVIDED BY THE TRADE CONTRACTOR WITH ITEMS BEING SUPPORTED OR BRACED AT THE TRADE CONTRACTOR'S EXPENSE.

2. IF STRUCTURAL DRAWINGS REFERENCED BY OTHER DRAWINGS FOR ITEMS NOT FULLY DEFINED ON STRUCTURAL DRAWINGS (AND ASSOCIATED SPECIFICATIONS) THEN ENGINEER AND PROVIDE SUCH ITEMS ON A PERFORMANCE BASIS IN COMPLIANCE WITH THE GOVERNING BUILDING CODE. ALL COSTS SHALL BE BORN BY THE TRADE CONTRACTOR ATTACHING TO OR BEARING UPON SUCH ITEMS.

3. SUPPORT AND BRACING SYSTEMS SHALL NOT TRANSMIT LATERAL LOADS TO COLUMNS BETWEEN FLOORS OR TO THE BOTTOMS OR SIDES OF STEEL BEAMS OR JOISTS. IF OTHER CONTRACT DRAWINGS INDICATE BRACING OR ATTACHMENT DETAILS WHICH WOULD RESULT IN LATERAL LOADS BEING TRANSMITTED TO THE SIDE OF COLUMNS BETWEEN FLOORS OR TO THE BOTTOMS OR SIDES OF BEAMS OR JOISTS THEN THE TRADE CONTRACTOR RESPONSIBLE FOR THE ITEMS TRANSMITTING SUCH LATERAL LOADS INCLUDE THE COST IN HIS BID FOR ENGINEERING AND PROVIDING BRACING TO THE TOP OF FLANGE OF THE NEXT ADJACENT BEAM OR JOIST.

FACADE AND WALL SYSTEMS ATTACHMENTS TO THE STRUCTURE:

- SHALL NOT ASSUME THE STRUCTURE PROVIDES MOMENT RESISTANCE AT THE POINT OF ATTACHMENT.
- SHALL BE TO THE EDGE OF THE FLOOR SLAB OR ROOF DECK ONLY UNLESS NOTED ONT THE STRUCTURAL DRAWINGS.
- SHALL NOT RESTRICT INDEPENDENT VERTICAL OR LATERAL MOVEMENT OF THE BUILDING LEVELS.

f'c = 3,000 psi		SPLICE LENGTH (in)			
		TOP BARS (alpha = 1.3)		OTHER BARS (alpha = 1.0)	
BAR SIZE	LAP CLASS	CASE 1	CASE 2	CASE 1	CASE 2
#3	A	22	33	17	25
	B	28	42	22	33
#4	A	29	43	22	33
	B	38	56	29	43
#5	A	36	54	28	42
	B	47	70	36	54
#6	A	43	65	33	50
	B	56	84	43	65
#7	A	63	94	48	72
	B	81	122	63	94
#8	A	72	107	55	83
	B	93	139	72	107
#9	A	81	121	62	93
	B	105	157	81	121
#10	A	91	136	70	105
	B	118	177	91	136
#11	A	101	151	78	116
	B	131	196	101	151

f'c = 4,000 psi		SPLICE LENGTH (in)			
		TOP BARS (alpha = 1.3)		OTHER BARS (alpha = 1.0)	
BAR SIZE	LAP CLASS	CASE 1	CASE 2	CASE 1	CASE 2
#3	A	19	28	15	22
	B	25	37	19	28
#4	A	25	37	19	29
	B	33	49	25	37
#5	A	31	47	24	36
	B	41	61	31	47
#6	A	37	56	29	43
	B	49	73	37	56
#7	A	54	81	42	63
	B	71	106	54	81
#8	A	62	93	48	72
	B	81	121	62	93
#9	A	70	105	54	81
	B	91	136	70	105
#10	A	79	118	61	91
	B	102	153	79	118
#11	A	87	131	67	101
	B	114	170	87	131

WDD ARCHITECTS

PROJECT TITLE

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

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STRUCTURAL NOTES

REVISIONS

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1

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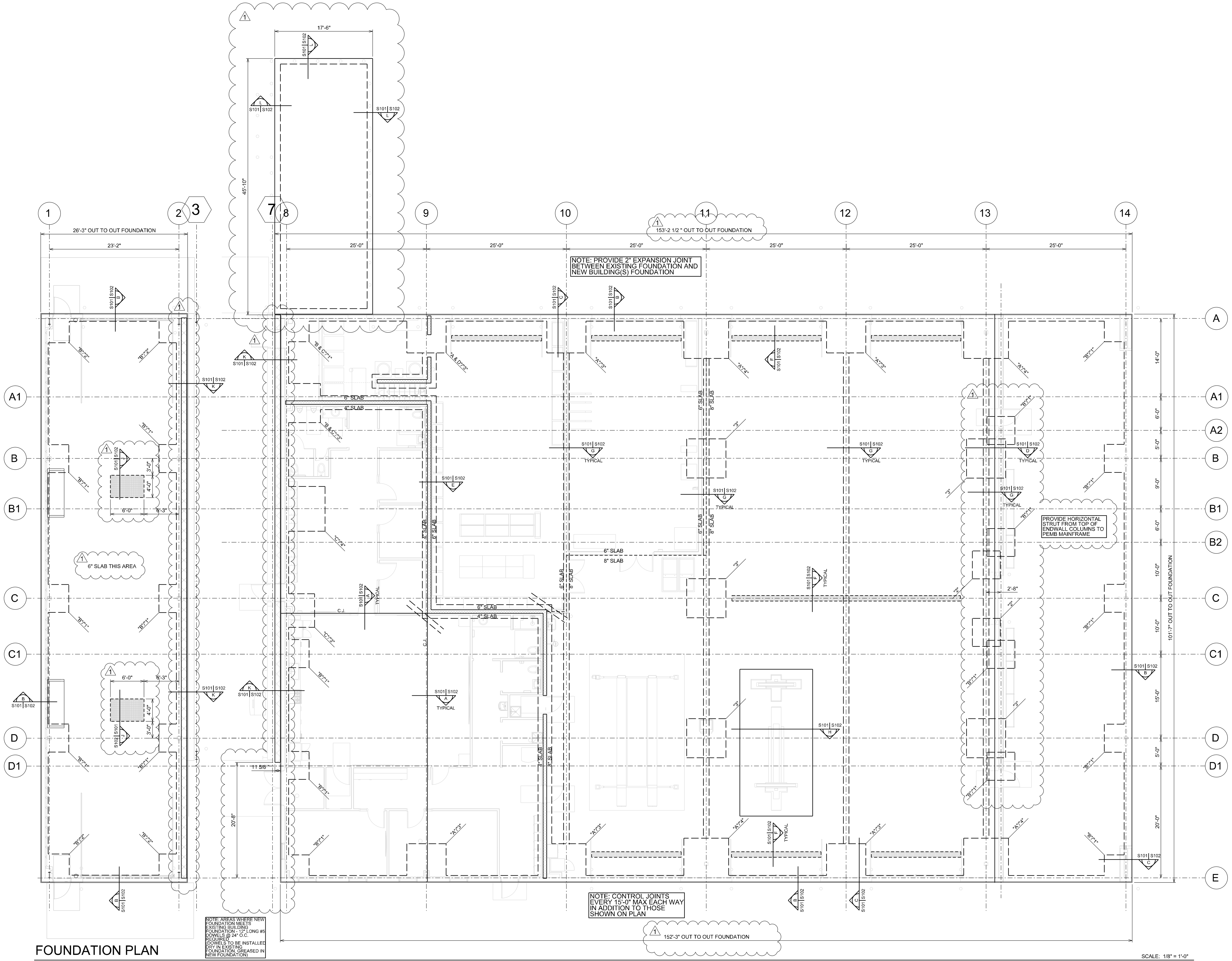
02.14.2025
DATE

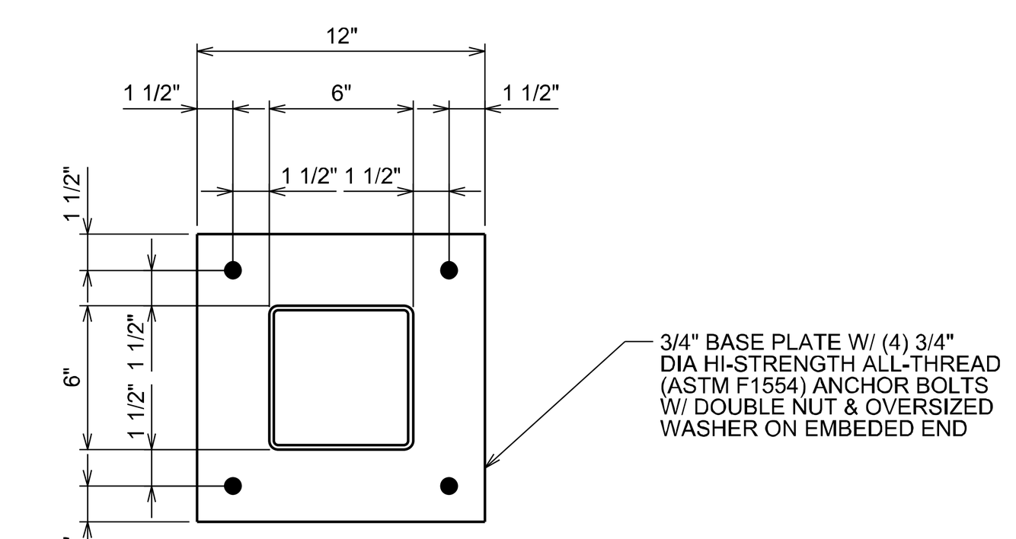
ISSUE SET

SHEET

S100



FOUNDATION PLAN



BASE PLATE DETAIL

STRUCTURAL NOTES/SPECIFICATIONS

A. CONCRETE AND REINFORCING

1. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF ALL CONCRETE AT 28 DAYS SHALL BE 4,000 PSI WITH A WEIGHT OF 145 PCF.

2. MAXIMUM ALLOWABLE w/c RATIO = 0.55

3. MAXIMUM ALLOWABLE SLUMP = 5"

4. NO CHLORIDE ADDITIVES ALLOWED.

5. REINFORCING :

- BARS: ASTM A615 - GRADE 60, EXCEPT USE GRADE 40 FOR BARS NOTED (IF NOTED). AS FIELD BENT.
- SHEET MESH: ASTM A185

6. CLEARANCE BETWEEN REINFORCING AND CONCRETE SUFACES WHICH ARE:
CAST AGAINST EARTH OR ROCK..3"
FORMED AND EXPOSED TO WEATHER OR EARTH..............................2"
FORMED BUT NOT EXPOSEDTO WEATHER OR EARTH:
- COLUMNS, BEAMS, GIRDERS..1 1/2"
- WALLS, SLABS...3/4"

7. MAXIMUM WATER/ CEMENT RATIO = 0.55 AND MAXIMUM SLUMP OF 5"

8. UNLESS OTHERWISE SHOWN IN THE ARCHITECTURAL DRAWINGS, PROVIDE 3/4" CHAMFERS AT ALL COLUMNS, BEAMS, WALLS, AND SLAB EDGES THAT ARE EXPOSED TO VIEW IN THE FINISHED STRUCTURE.

9. REFER TO ARCHITECTURAL DRAWINGS FOR CONCRETE FINISHES. WHERE FORM FINISH IS NOT SPECIFIED, CONFORM TO REQUIREMENTS OF ACI 301 AS MODIFIED BY THE SPECIFICATIONS.

10. NO GEOTECHNICAL REPORT WAS PROVIDED FOR THIS PROJECT. FOUNDATION DESIGN IS BASED ON A PRESUMED BEARING VALUE OF 1500 PSF AND NO EXPANSIVE CLAYS PRESENT AT THE SITE.

11. "C.J." REPRESENTS CONTROL JOINT. SAWCUT ALL CONTROL JOINTS WITHIN 8 HOURS OF POUR.

12. PROVIDE PLAN (PER ACI RECCOMENDATIONS) FOR COLD (40°F & BELOW) OR HOT (90°F & ABOVE) WEATHER CONCRETE CURING. FOLLOW ACI RECCOMENDATIONS SPECIFIED IN ACI 306R-16 (COLD) & ACI 305R-20 (HOT WEATHER)

FOOTING SCHEDULE

1	5'-0"x5'-0"x2'-0" TH'K	W/(6) - #5 EACH WAY
2	6'-0"x6'-0"x2'-0" TH'K	W/(7) - #5 EACH WAY
3	7'-0"x7'-0"x2'-0" TH'K	W/(8) - #5 EACH WAY
4	8'-0"x8'-0"x2'-0" TH'K	W/(9) - #5 EACH WAY

FOOTING
COLUMN
"A"/"1"

COLUMN SCHEDULE

A	PRE-ENGINEERED MAIN FRAME COLUMN
B	PRE-ENGINEERED ENDWALL COLUMN
C	HSS 8x8x5/8" COLUMN W/ 12"x12"x3/4"TH'K BASEPLATE
D	HSS 6x6x3/8" COLUMN W/ 12"x12"x3/4"TH'K BASEPLATE

ALL COLUMNS TO HAVE (4 MINIMUM) - 3/4" DIA ASTM F1554 (GRADE 36) ROD (THREADED AS NEEDED x 1'-3" LONG WITH DOUBLE NUT AND WASHERS ON BOTTOM OF ANCHOR BOLTS

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WDD ARCHITECTS

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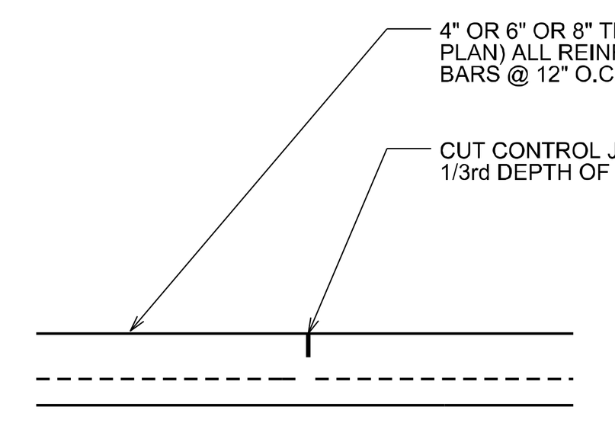
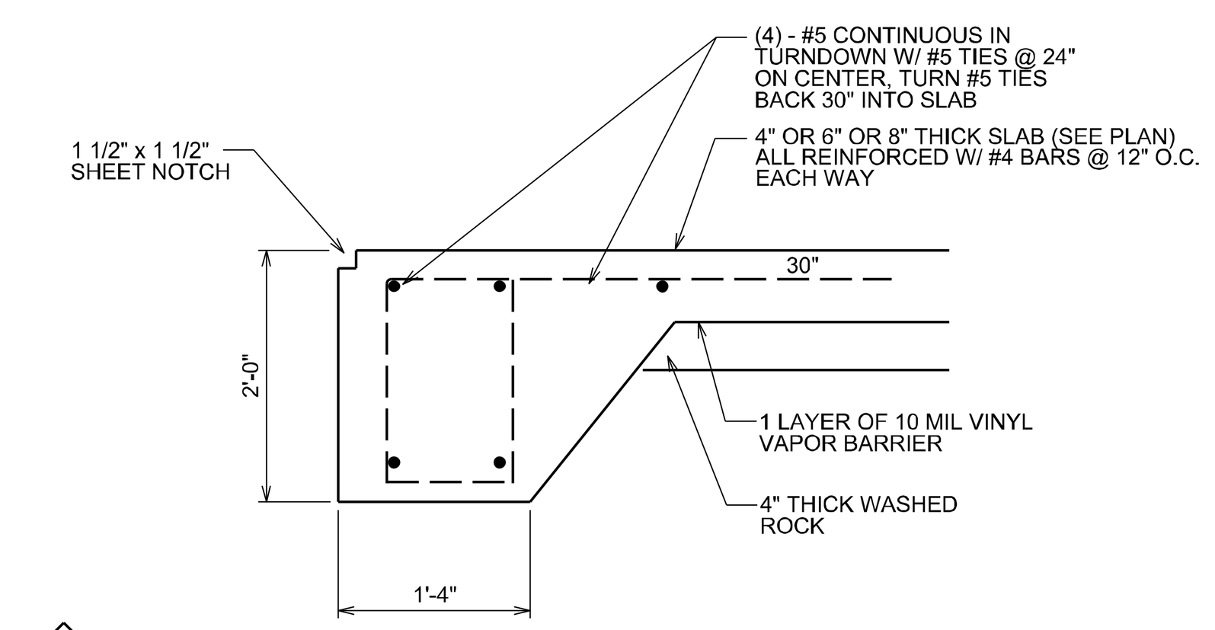
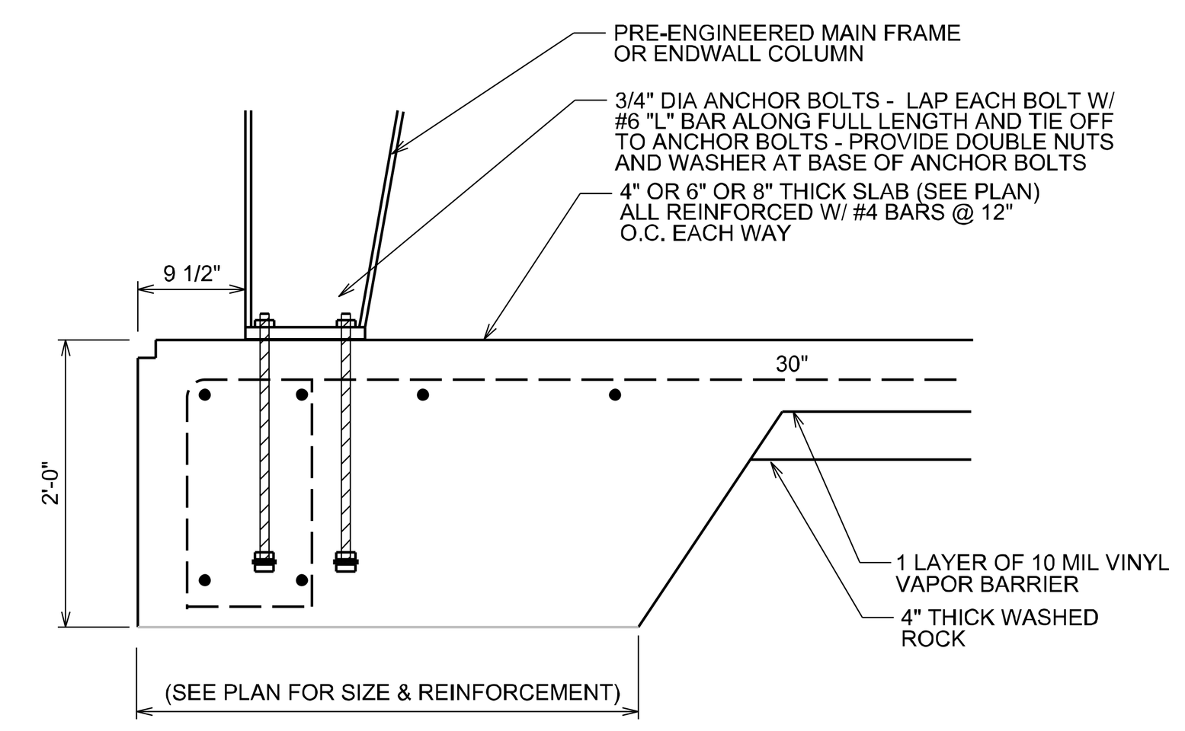
SHEET
S101



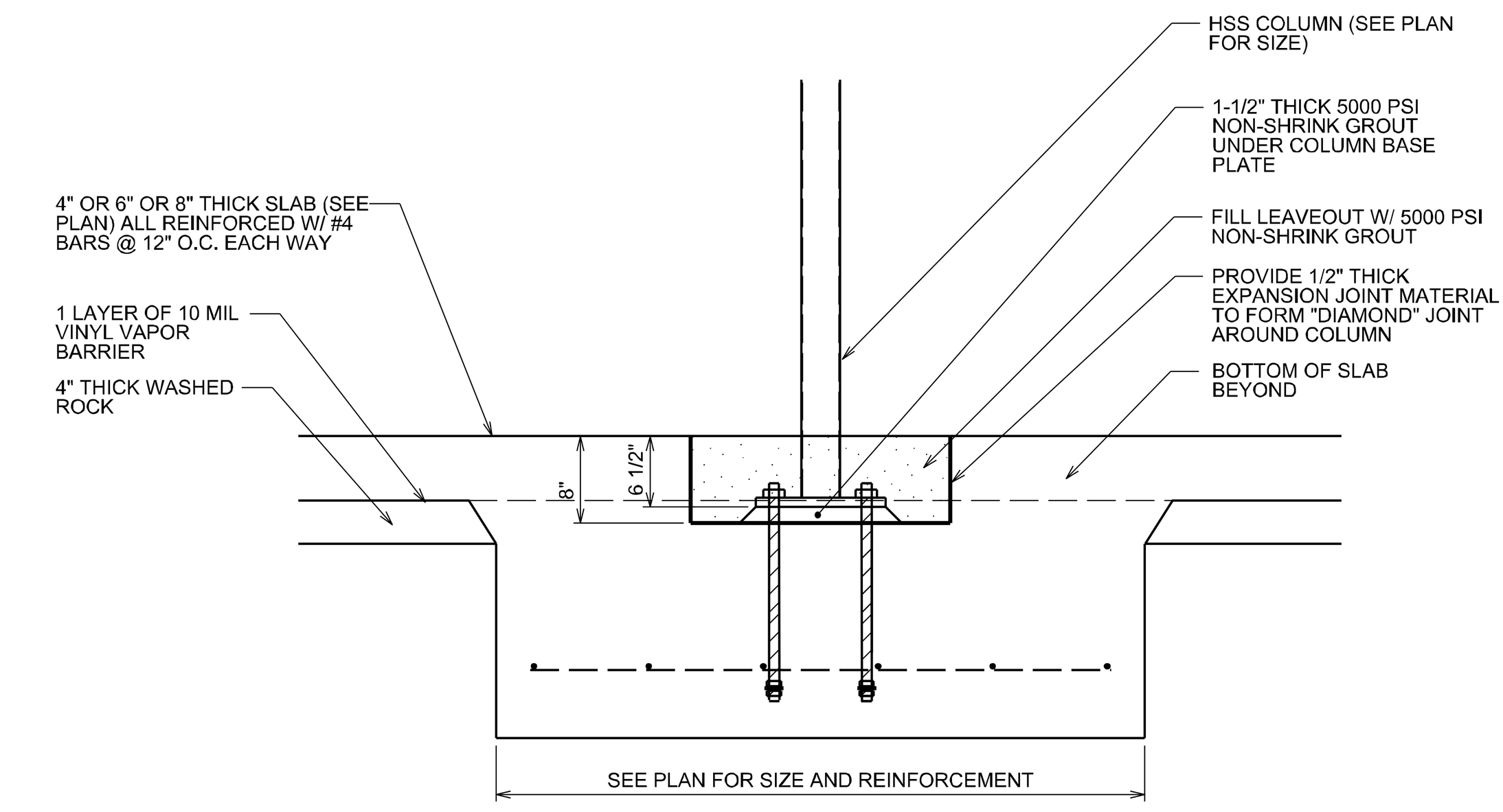
A SECTION SCALE: 3/4"=1'-0"
S1.1 | S1.2 TYPICAL SECTION THRU CONTROL JOINT @ 6" SLAB



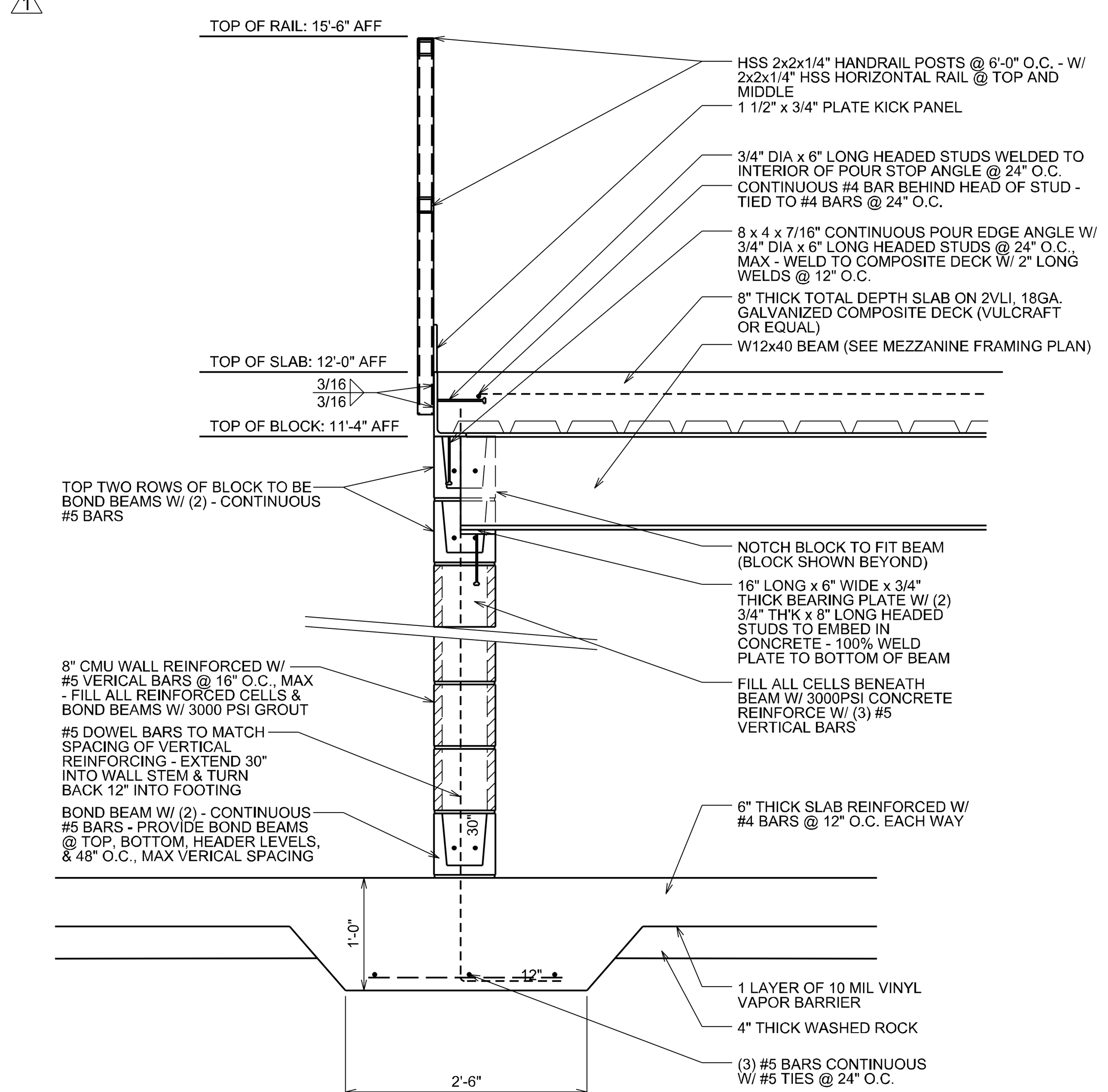
B SECTION SCALE: 3/4"=1'-0"
S101 | S102 SECTION THRU PERIMETER SLAB TURNDOWN



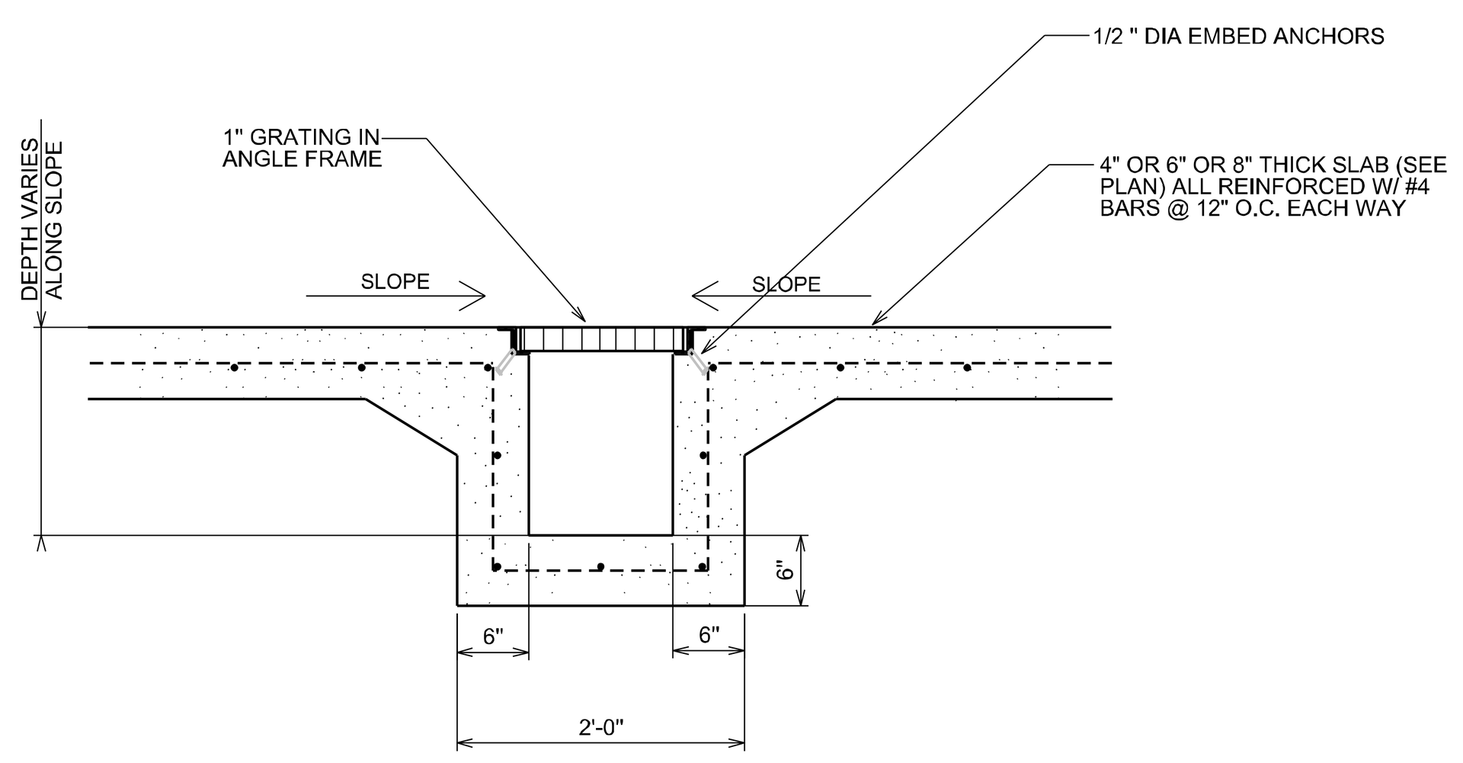
C SECTION SCALE: 3/4"=1'-0"
S101 | S102 TYPICAL SECTION THRU PRE-ENGINEERED MAINFRAME COLUMN FOOTING



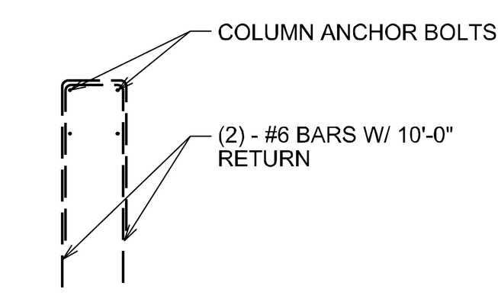
D SECTION SCALE: 3/4"=1'-0"
S101 | S102 TYPICAL SECTION @ INTERIOR COLUMN



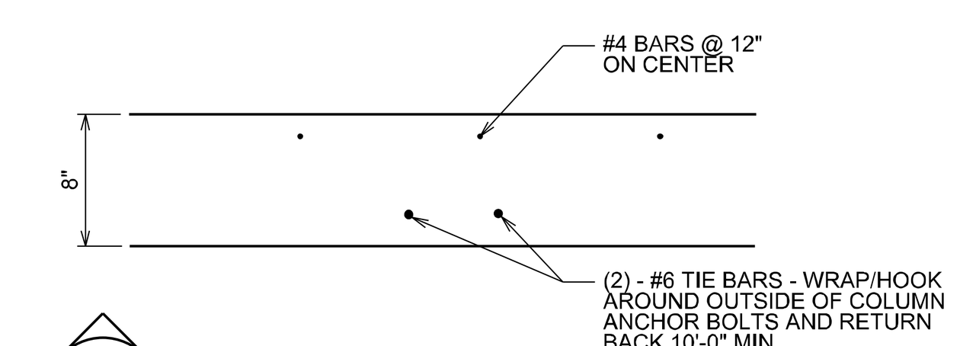
E SECTION SCALE: 3/4"=1'-0"
S101 | S102 TYPICAL SECTION THRU 8" CMU WALL FOUNDATION @ BUILDING INTERIOR MEZZANINE



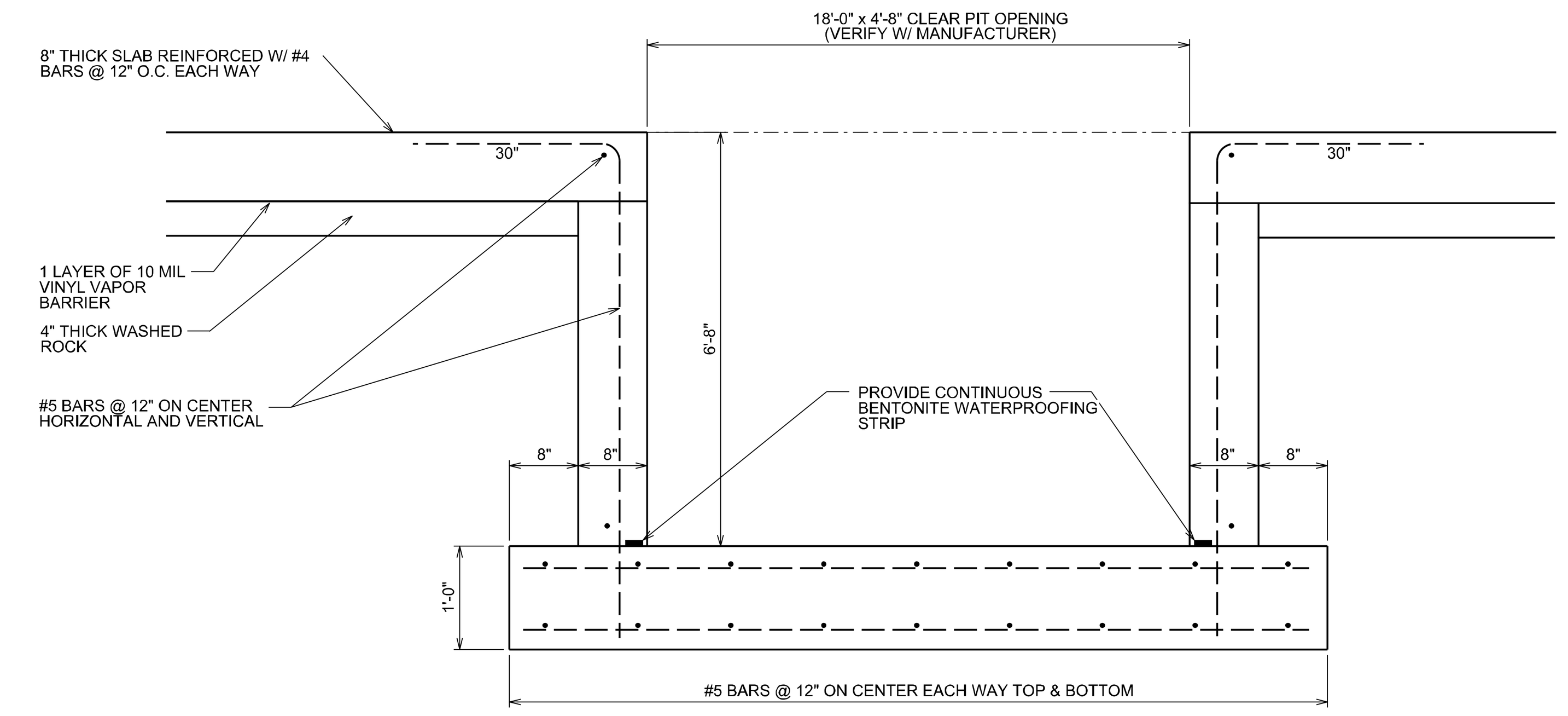
F SECTION SCALE: 3/4"=1'-0"
S101 | S102 SECTION THRU TRENCH DRAIN



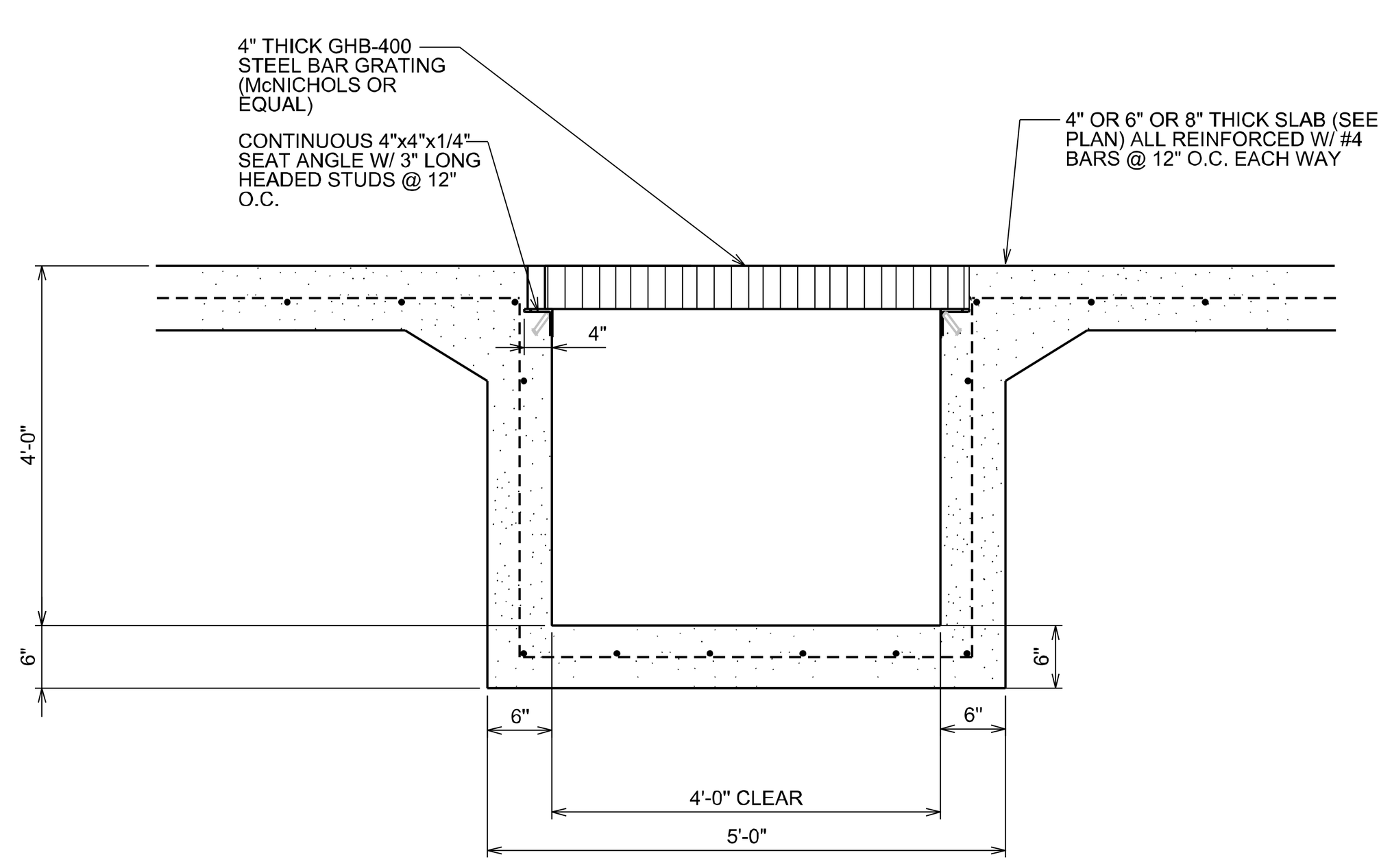
PLAN OF TIE BEAM NOT TO SCALE



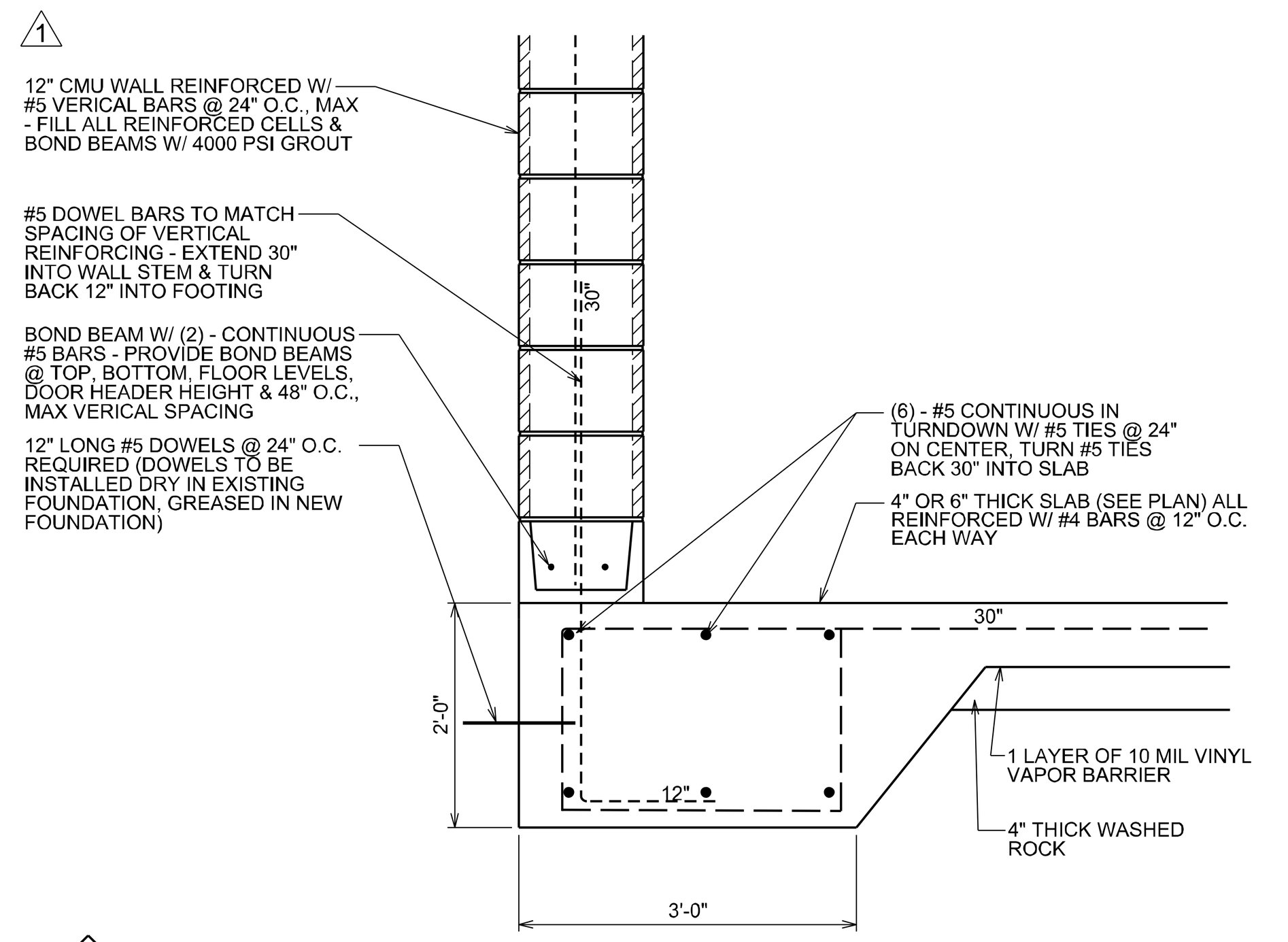
G SECTION SCALE: 1"=1'-0"
S101 | S102 TYPICAL SECTION THRU TIE-BEAM



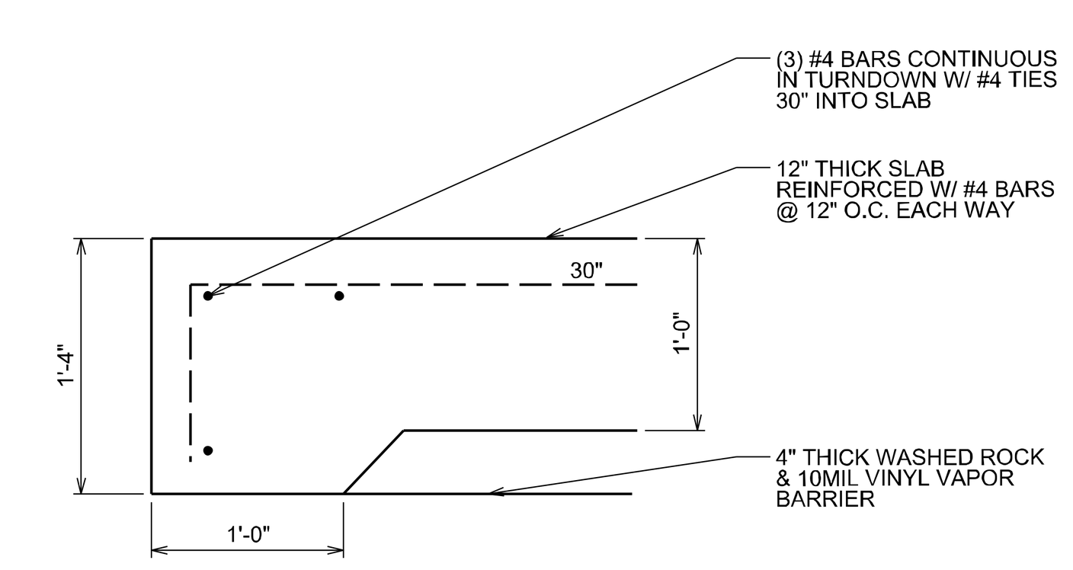
H SECTION SCALE: 3/4"=1'-0"
S101 | S102 SECTION THRU ELEVATOR PIT



J SECTION SCALE: 3/4"=1'-0"
S101 | S102 SECTION THRU TRENCH DRAIN

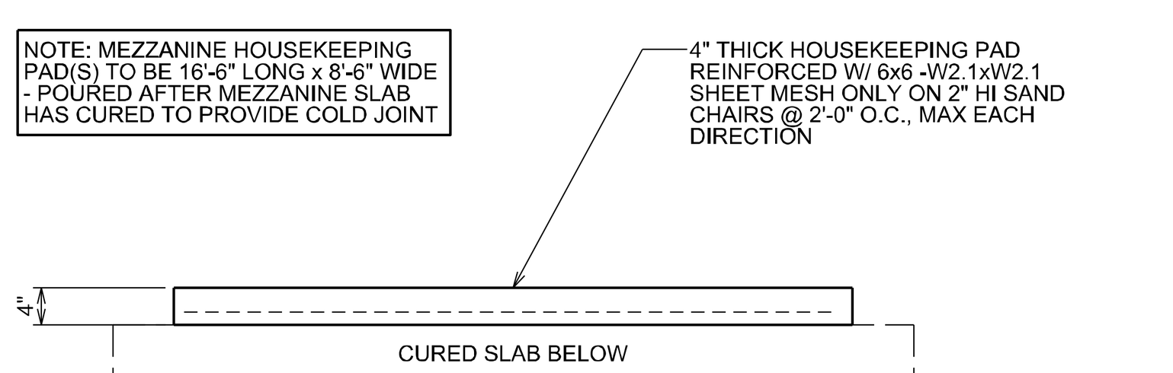


K SECTION SCALE: 3/4"=1'-0"
S101 | S102 SECTION THRU PERIMETER SLAB TURNDOWN

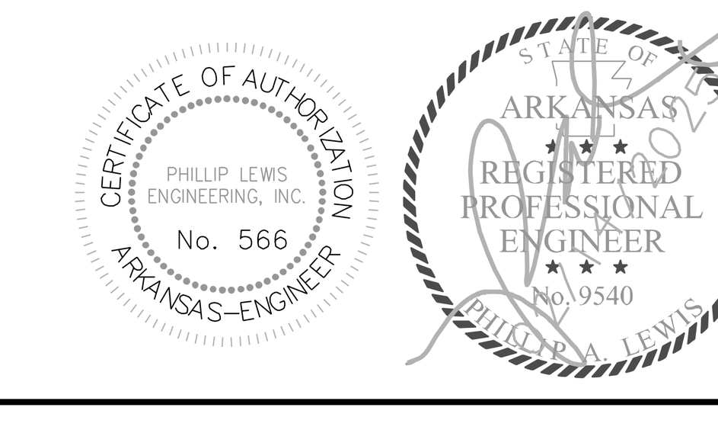


L SECTION SCALE: 3/4"=1'-0"
S101 | S102 SECTION THRU PERIMETER SLAB TURNDOWN

NOTE: MEZZANINE HOUSEKEEPING PAD(S) TO BE 16'-6" LONG x 8'-6" WIDE - POURED AFTER MEZZANINE SLAB HAS CURED TO PROVIDE COLD JOINT



DETAIL - HOUSEKEEPING PAD NOT TO SCALE



WDD ARCHITECTS

PROJECT TITLE
CRAIGHEAD ELECTRIC
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4314 STADIUM BLVD.
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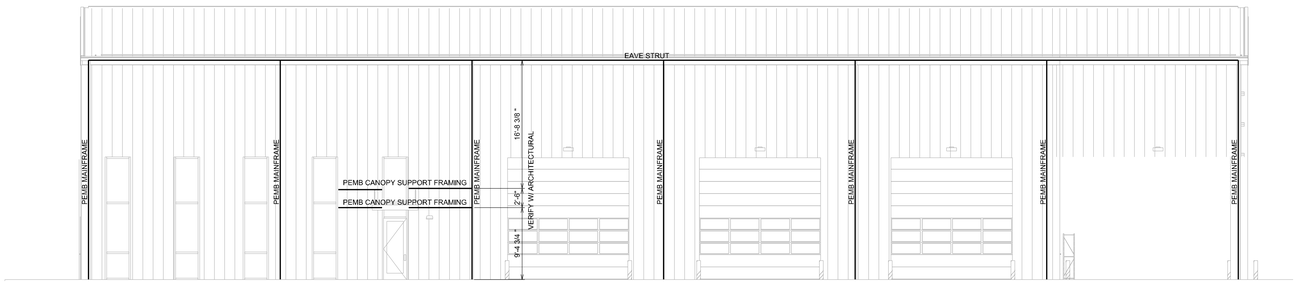
S102



ELEVATION - FRONT

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

ELEVATION - REAR

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

WDD ARCHITECTS

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STRUCTURAL ELEVATIONS

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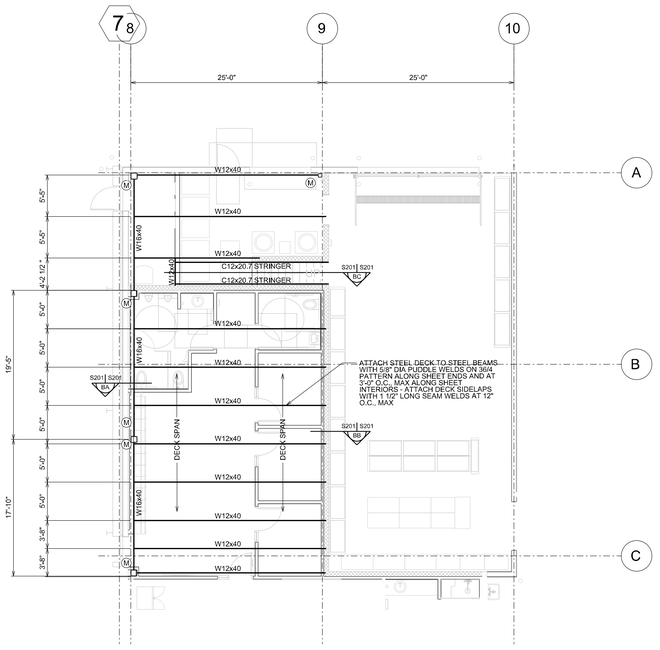


MEZZANINE FRAMING PLAN

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

1. MEZZANINE FRAMING DESIGNED FOR THE FOLLOWING LOADS:

   100 PSF - DEAD AND COLLATERAL LOADS
   125 PSF - LIVE LOAD

2. Ⓜ DENOTES BEAM TO COLUMN "MOMENT" CONNECTION

STRUCTURAL NOTES

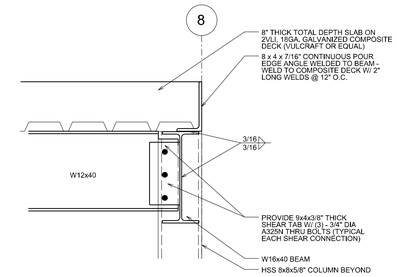
A. STRUCTURAL STEEL

1. ROLLED AND BUILT UP SECTIONS:

   W8's THRU W36's - A572 GRADE 50
   PIPES - A53 - 35 KSI
   TUBES - A500 GRADE B - 46 KSI
   BUILT-UP SHAPES - AS INDICATED
   ALL ELSE - A36 - 36 KSI OR A572 GRADE 50

2. CONNECTIONS:
   - WELD OR BOLT, UNLESS NOTED OTHERWISE.
   - DESIGN CONNECTIONS NOT ENTIRELY DETAILED ON DRAWINGS.
   - DETAILS SHOW THE RELATIONSHIP BETWEEN MEMBERS AND MAY GIVE LIMITATIONS OR CRITERIA TO BE USED IN DEVELOPING COMPLETE CONNECTION DESIGN AND DETAILS. USE CONNECTIONS FROM PART 4, AISC MANUAL, 9TH EDITION. FOR TS AND PIPE CONNECTIONS USE CONNECTIONS FROM AISC HOLLOW STRUCTURAL SECTIONS CONNECTIONS MANUAL.
   - MINIMUM THICKNESS: ANGLES 5/16", PLATES 3/8"

3. WELDED CONNECTIONS:
   - ELECTRODES: 370 SERIES
   - FILLET WELDS: AISC MINIMUM BUT NOT LESS THAN 3/16", UNLESS NOTED
   - GROOVE WELDS: FULL PENETRATION, UNLESS NOTED OTHERWISE.
   - WELDS ARE CONTINUOUS UNLESS NOTED OTHERWISE.



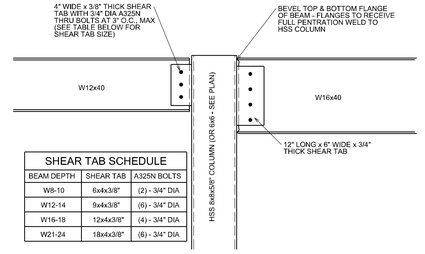
BA S201 | S201 SECTION

SCALE: 1"=1'-0"

S201 | S201 SECTION THRU TYPICAL SHEAR CONNECTION @ W30x90 BEAM

TYPICAL SHEAR CONNECTION

Ⓜ "M1" MOMENT CONNECTION

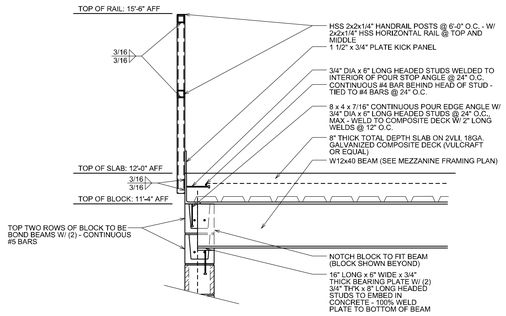


SHEAR TAB SCHEDULE		
BEAM DEPTH	SHEAR TAB	A325N BOLTS
W8-10	6x4x3/8"	(2) - 3/4" DIA
W12-14	9x4x3/8"	(6) - 3/4" DIA
W16-18	12x4x3/8"	(4) - 3/4" DIA
W21-24	18x4x3/8"	(6) - 3/4" DIA

1 S201 | S201 DETAIL "1"

SCALE: 1"=1'-0"

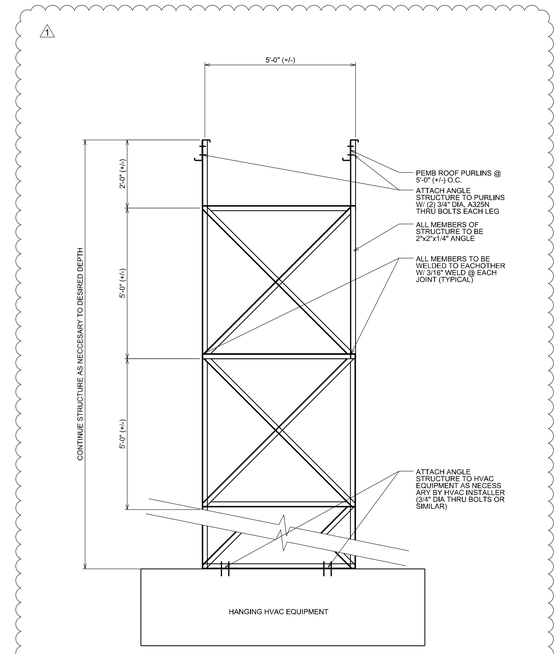
DETAIL OF TYPICAL SHEAR AND MOMENT CONNX



BB S201 | S201 SECTION

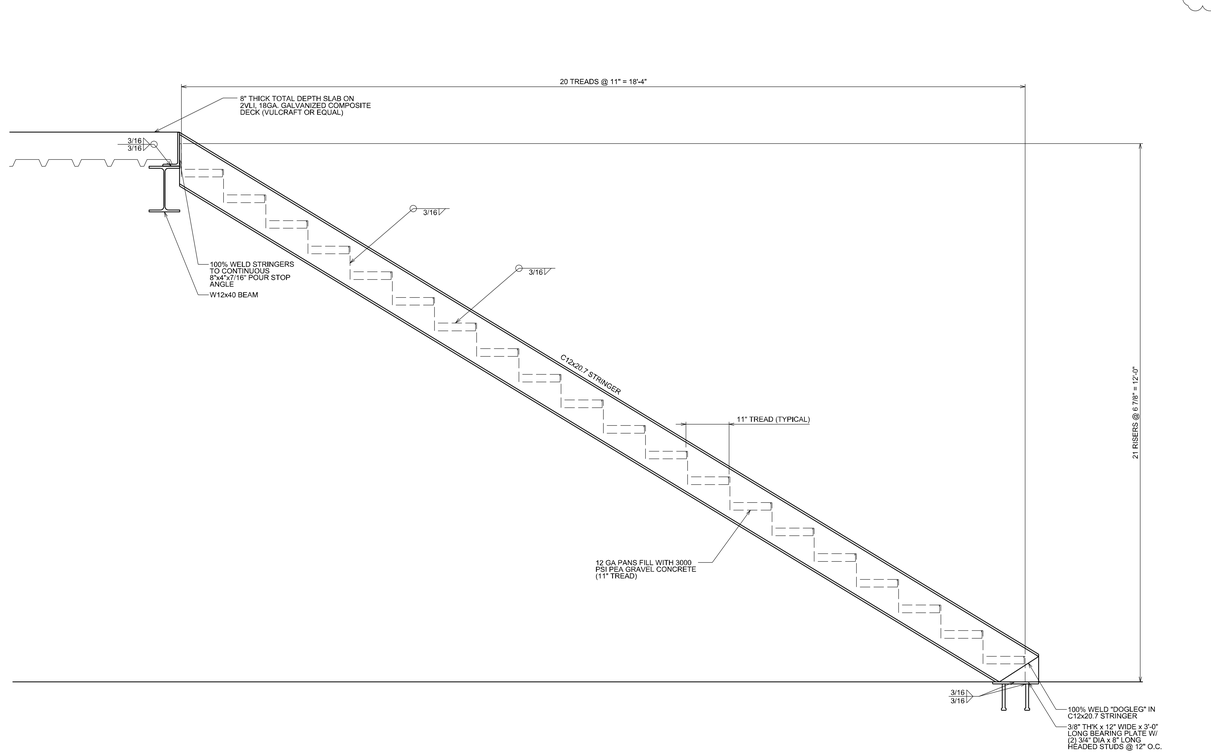
SCALE: 1"=1'-0"

SECTION THRU SUSPENDED SLAB @ BEAM TO CMU WALL CONNECTION



HANGING HVAC STRUCTURE DETAIL

SCALE: 1/2"=1'-0"



BC S201 | S201 SECTION

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

SECTION THRU STAIRS

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MEZZANINE FRAMING PLAN

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NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1

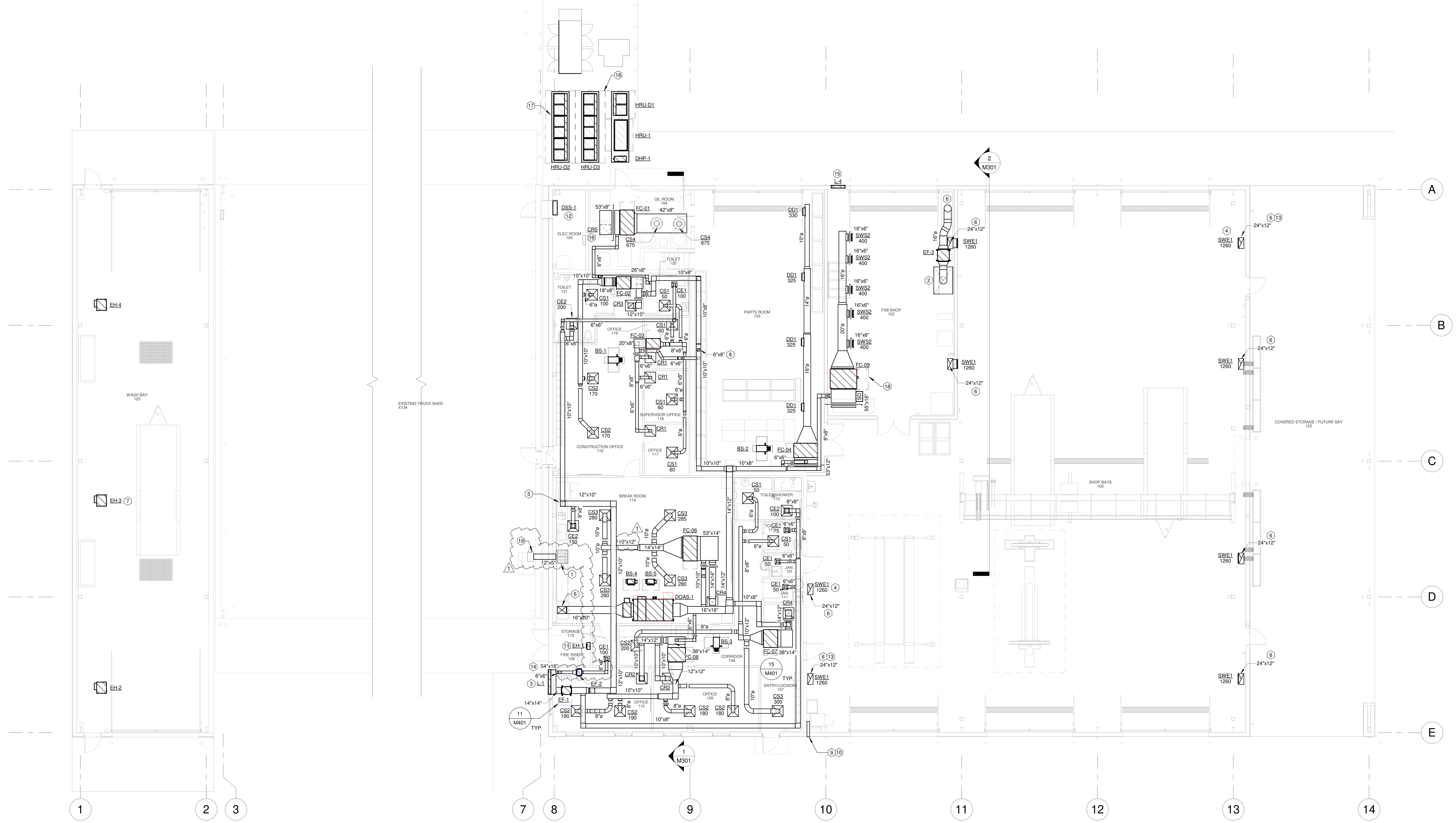
24-096
JOB. NO.

02.14.2025
DATE

ISSUE SET

SHEET

S201



1 M101 **HVAC FLOOR PLAN**

1/8" = 1'-0"

KEYED NOTES:

1. GREENHECK MODEL GRRS FIRE READY HOOD WITH INTEGRAL FAN, REAR DISCHARGE, FINISHED TOP AND WALL CAP. LOCATE HOOD PER ARCHITECT.
2. 5' X 3.5' STAINLESS STEEL EXHAUST HOOD OVER PLASMA CUTTER. SEE DETAIL 17/M401.
3. BOTTOM OF LOUVER MOUNTED 13'-6" A.F.F.
4. INSTALL BOTTOM OF GRILLE 12" A.F.F. WITHIN SHOP BAY. (TYPICAL OF 8)
5. DUCT DROPS INTO CHASE ABOVE MILLWORK.
6. DUCT RISES TO MEZZANINE LEVEL ABOVE. SEE 1/M102 FOR CONTINUATION. PROVIDE MANUAL BALANCING DAMPER IN RISER.
7. UNIT HEATER MOUNTED 9'-0" A.F.F. (TYPICAL OF 3)
8. DUCT RISES TO FC-05. SEE 1/M102 FOR CONTINUATION.
9. ALL ALUMINUM DRYER VENT WALL CAP WITH BACKDRAFT DAMPER.
10. 6" ALL ALUMINUM, RESIDENTIAL DRYER VENT INSTALLED AS PER SECTION 504 OF THE "ARKANSAS MECHANICAL CODE".
11. BOTTOM OF UNIT HEATER MOUNTED 18" A.F.F.
12. DSS-1 MOUNTED ABOVE DOOR.
13. EXHAUST DUCT TO BE SECURED TO WALL A MINIMUM OF 3 LOCATIONS PER DETAIL 19/M401. (TYPICAL)
14. EXHAUST DUCTS TO CONNECT TO LOUVER WITH SHEET METAL PLENUM.
15. BOTTOM OF LOUVER MOUNTED 18" A.F.F.
16. RETURN DUCT RISES FROM GRILLE TO STUB INTO BOTTOM OF LINED PLENUM.
17. OUTDOOR UNIT MOUNTED ON 4" CONCRETE HOUSEKEEPING PAD ABOVE EQUIPMENT YARD CONCRETE PAD. PAD TO EXTEND 4" BEYOND MECHANICAL EQUIPMENT ON ALL SIDES WITH CONSTRUCTION PER STRUCTURAL. (TYPICAL)
18. MANUFACTURER'S REQUIRED CLEARANCE. (TYPICAL)
19. WALL CAP.

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
MARC WESLEY WHITE
No. 9419
02.14.2025

Batson Inc.
ENGINEERING SOLUTIONS
1300 Brookwood Drive
Little Rock Arkansas 72202
501-664-3311 www.batson.com

CERTIFICATE OF AUTHORIZATION
BATSON INC.
No. 99
ARKANSAS ENGINEER

WDD ARCHITECTS

PROJECT TITLE

CRAIGHEAD ELECTRIC

MAINTENANCE SHOP ADDITION

4314 STADIUM BLVD.
JONESBORO, ARKANSAS

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HVAC FLOOR PLAN

REVISIONS

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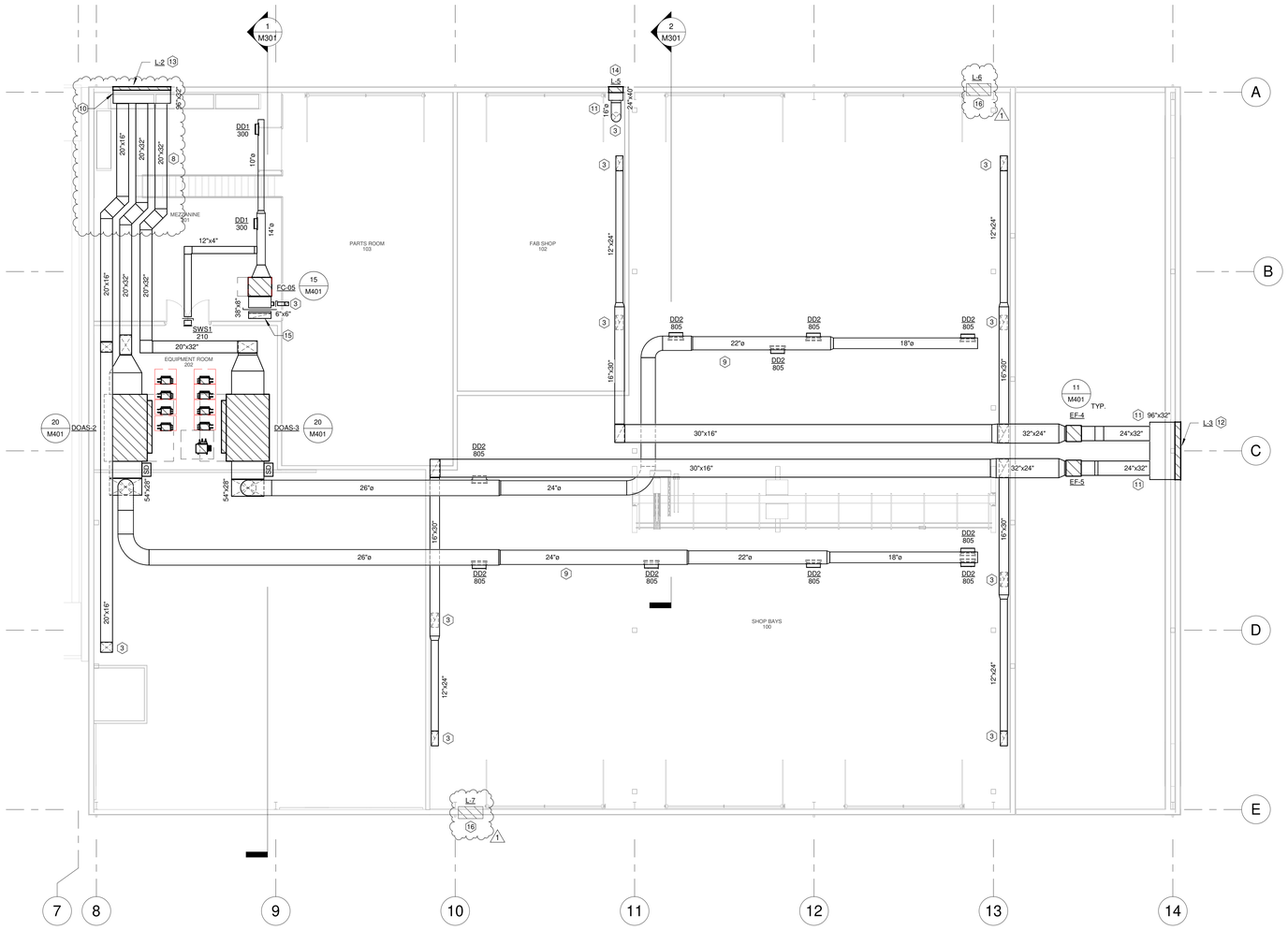
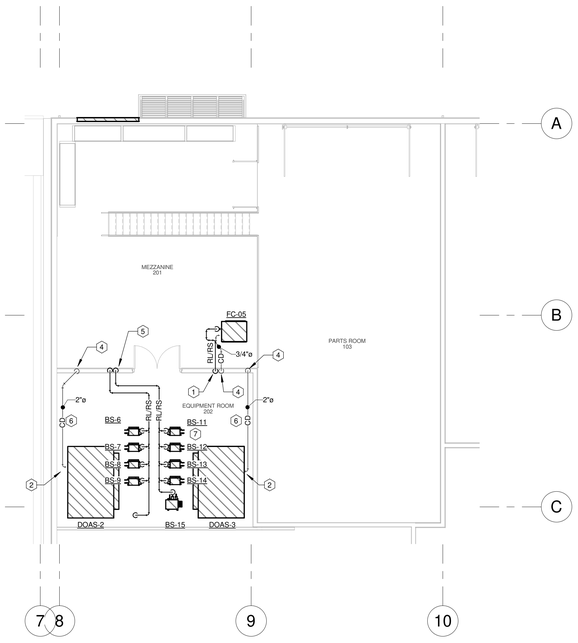


MEZZANINE HVAC PLAN

1 / M102 — 1/8" = 1'-0"



MEZZANINE MECHANICAL PIPING PLAN

2 / M102 — 1/8" = 1'-0"

KEYED NOTES:

1. REFRIGERANT LINE SET RISE UP FROM BRANCH SELECTOR BS-1 BELOW.
2. PROVIDE CONDENSATE TRAP PER DETAIL 13/M401.
3. DUCT DROPS TO FLOOR BELOW. SEE 1/M101 FOR CONTINUATION.
4. CONDENSATE LINE DROPS IN WALL TO PLENUM BELOW. SEE 1/M201 FOR CONTINUATION.
5. REFRIGERANT LINE SETS RISE IN WALL FROM PLENUM BELOW. SEE 1/M201 FOR CONTINUATION.
6. CONDENSATE DRAIN LINE SUPPORTED OFF EQUIPMENT ROOM FLOOR PER DETAIL 12/M401.
7. BRANCH SELECTOR MOUNTED HIGH IN SPACE. SUPPORT FROM ROOF STRUCTURE SIMILAR TO FAN COILS AND EXHAUST FANS. (TYPICAL)
8. OUTSIDE AIR INTAKE DUCTS TO BE INSULATED WITH 2" FIBERGLASS WRAP.
9. SUPPLY AIR DUCTS FROM DOAS-2 AND 3 TO BE DOUBLE WALL LINED SHEET METAL.
10. OUTSIDE AIR INTAKE DUCTS TO CONNECT TO LOUVER L-2 WITH LINED SHEET METAL PLENUM.
11. EXHAUST DUCT TO CONNECT TO LOUVER WITH SHEET METAL PLENUM.
12. BOTTOM OF LOUVER MOUNTED 29'-4" A.F.F.
13. BOTTOM OF LOUVER MOUNTED 23'-6"" A.F.F.
14. BOTTOM OF LOUVER MOUNTED 23'-2" A.F.F.
15. TERMINATE RETURN DUCT WITH DOWN-TURNED ELBOW. COVER OPENING WITH EXPANDED WIRE MESH.
16. TOP OF LOUVER MOUNTED 26'-0" A.F.F.

STATE OF ARKANSAS REGISTERED ENGINEER JAMES WESLEY WHITE No. 9419 02-14-2025

Batson Inc.
ENGINEERING SOLUTIONS
1300 Brookwood Drive
Little Rock Arkansas 72202
501-664-3311 www.batson.com

CERTIFICATE OF AUTHORIZATION BATSON, INC. No. 99 STATE OF ARKANSAS ENGINEERING

WDD ARCHITECTS

PROJECT TITLE

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM, BLVD.
JONESBORO, ARKANSAS

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MEZZANINE MECHANICAL PLANS

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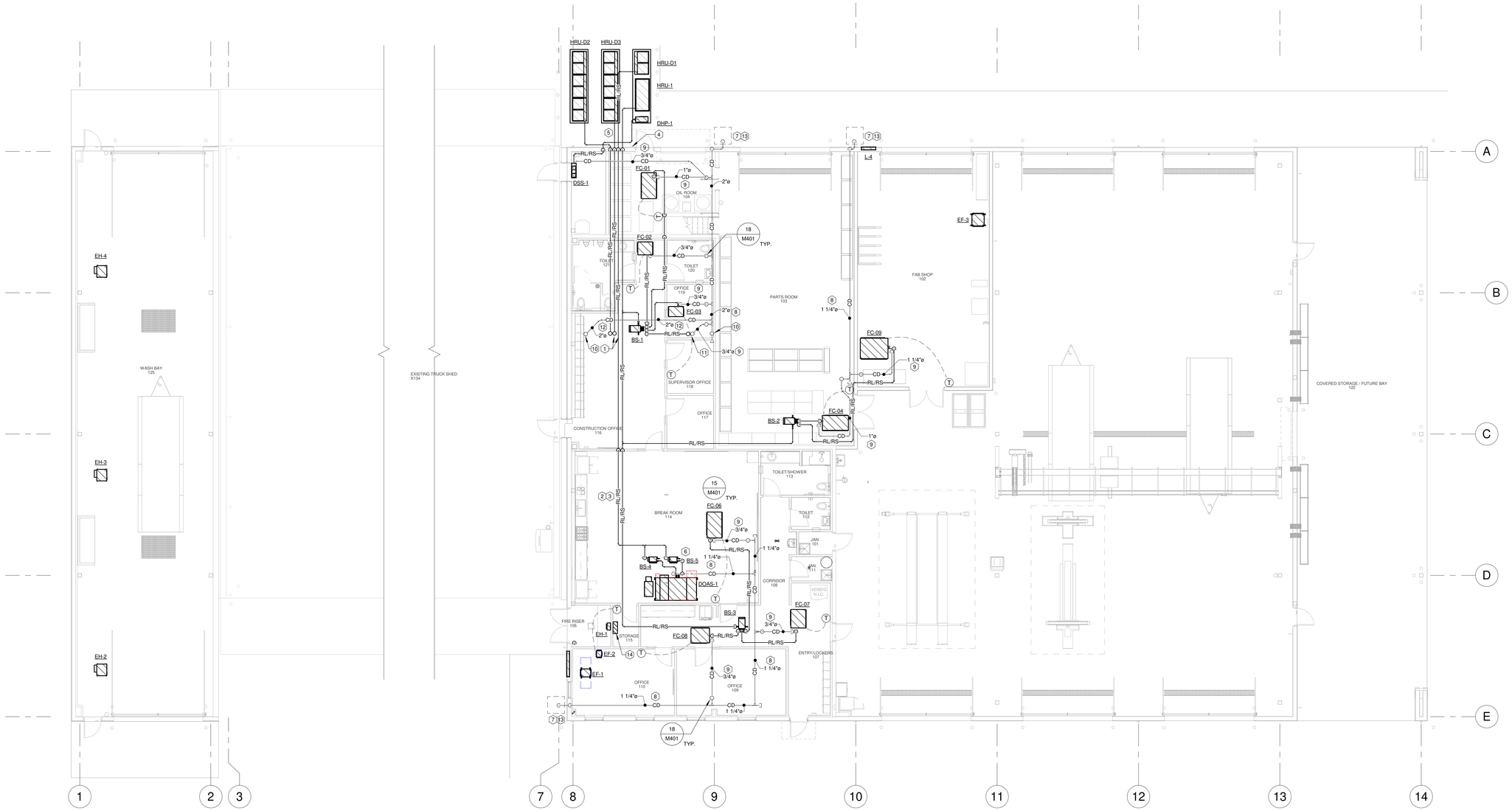

MECHANICAL PIPING FLOOR PLAN

1 / M201 — 1/8" = 1'-0"

N

KEYED NOTES:

1. REFRIGERANT LINES UP TO DOAS-2 AND DOAS-3 LOCATED ON MEZZANINE. SEE 2/M102 FOR CONTINUATION.
2. PIPING TO BE SUPPORTED FROM STRUCTURE ABOVE PER DETAIL 12/M401. (TYPICAL)
3. REFRIGERANT PIPING TO BE SIZED BY EQUIPMENT MANUFACTURER. (TYPICAL)
4. REFRIGERANT PIPING TO RISE IN EXTERIOR WALL. SLEEVE AND SEAL WALL PENETRATION.
5. SUPPORT REFRIGERANT PIPING IN MECHANICAL YARD PER DETAIL 12/M401. (TYPICAL)
6. PROVIDE AUXILIARY DRAIN PAN AND MOISTURE SENSOR BENEATH REFRIGERANT BRANCH SELECTORS. (TYPICAL)
7. CONDENSATE DRAIN PIT PER DETAIL 14/M401.
8. ROUTE TYPE 'L' COPPER GRAVITY CONDENSATE DRAIN LINE TO CONDENSATE DRAIN PIT. (TYPICAL)
9. ROUTE TYPE 'L' COPPER PUMPED CONDENSATE DRAIN LINE FROM FAN COIL UNITS TO HUB DRAIN IN GRAVITY CONDENSATE LINE. (TYPICAL)
10. 2" CONDENSATE LINE DROPS FROM MEZZANINE ABOVE.
11. REFRIGERANT LINE SET AND CONDENSATE LINE UP TO FAN COIL FC-05 LOCATED ON MEZZANINE.
12. CONDENSATE DRAIN LINE ROUTED HIGH IN BETWEEN BEAMS.
13. CONDENSATE DRAIN LINE DROPS WITHIN EXTERIOR WALL TO CONDENSATE DRAIN PIT. SLEEVE AND SEAL WALL PENETRATION.
14. BAS CONTROL PANEL.

NOTE : FLOOR PLAN UPDATED TO REFLECT ARCHITECTURAL CHANGES. SHEET ISSUED FOR CONSISTENCY.

1

STATE OF ARKANSAS
Marc Wesley White
REGISTERED ENGINEER
No. 9419
MARC WESLEY WHITE
02.14.2025

Batson Inc.
ENGINEERING SOLUTIONS
1300 Brookwood Drive
Little Rock Arkansas 72202
501-664-3311 www.batson.com

CERTIFICATE OF AUTHORITY
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MECHANICAL PIPING FLOOR PLAN

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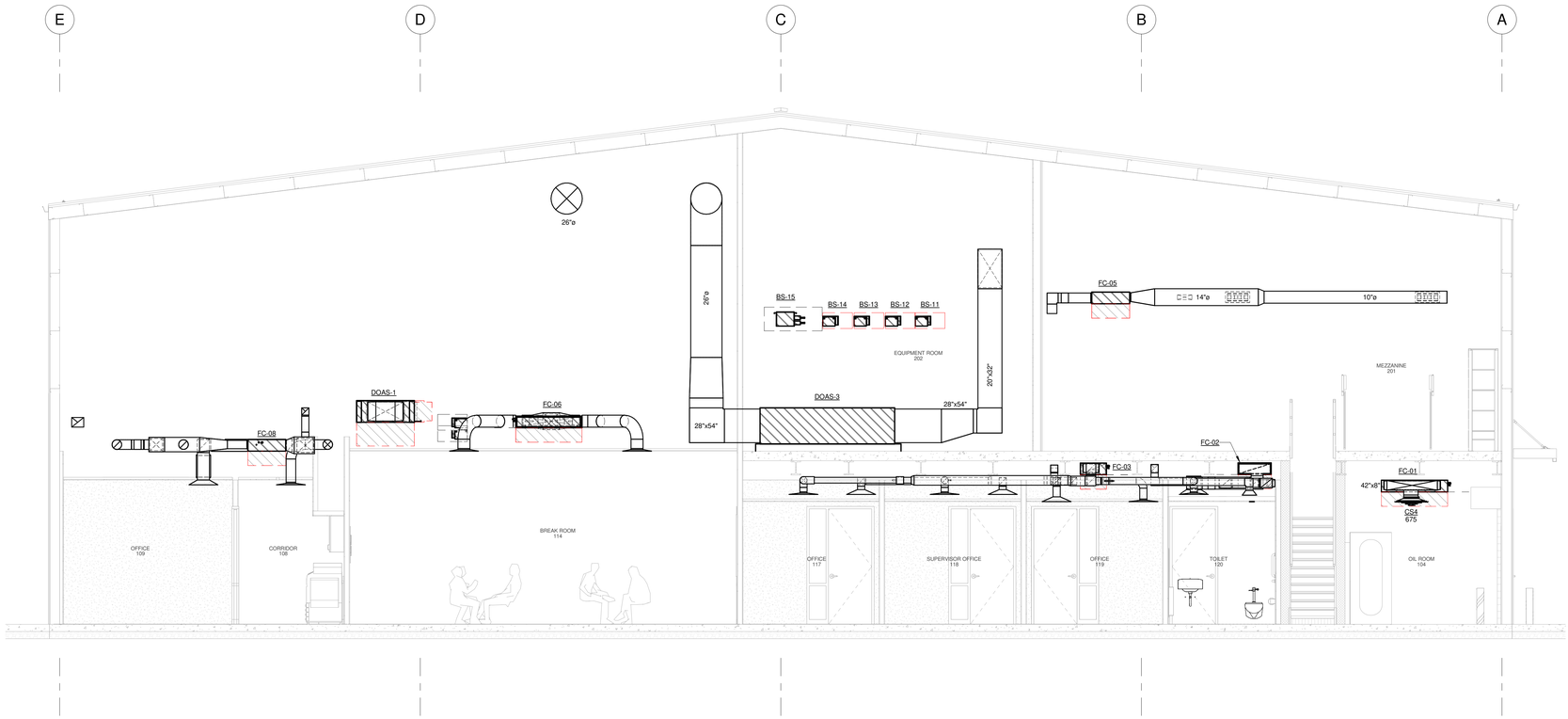
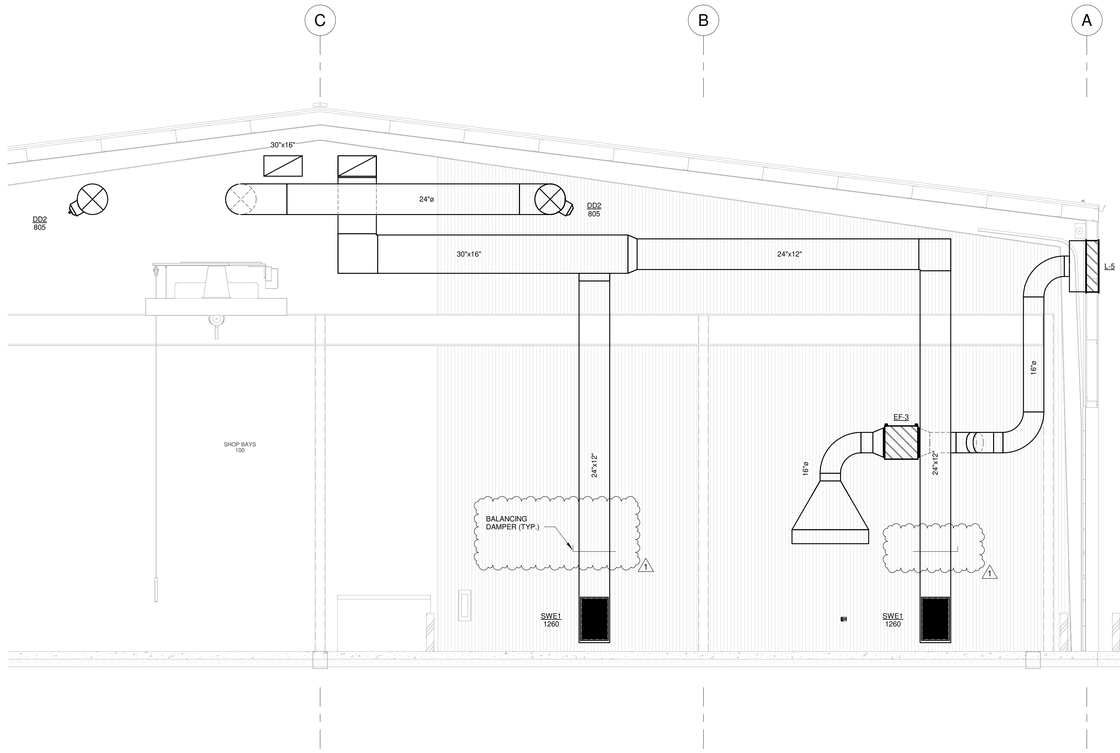


1 M301 **OFFICE AREA DUCTWORK SECTION**

1/4" = 1'-0"



2 M301 **SHOP AREA DUCTWORK SECTION**

1/4" = 1'-0"

STATE OF ARKANSAS REGISTERED ENGINEER JUSTIN WESLEY WHITE No. 9419 06/14/2025

Batson Inc. ENGINEERING SOLUTIONS
1300 Brookwood Drive
Little Rock Arkansas 72202
501-664-3311 www.batson.com

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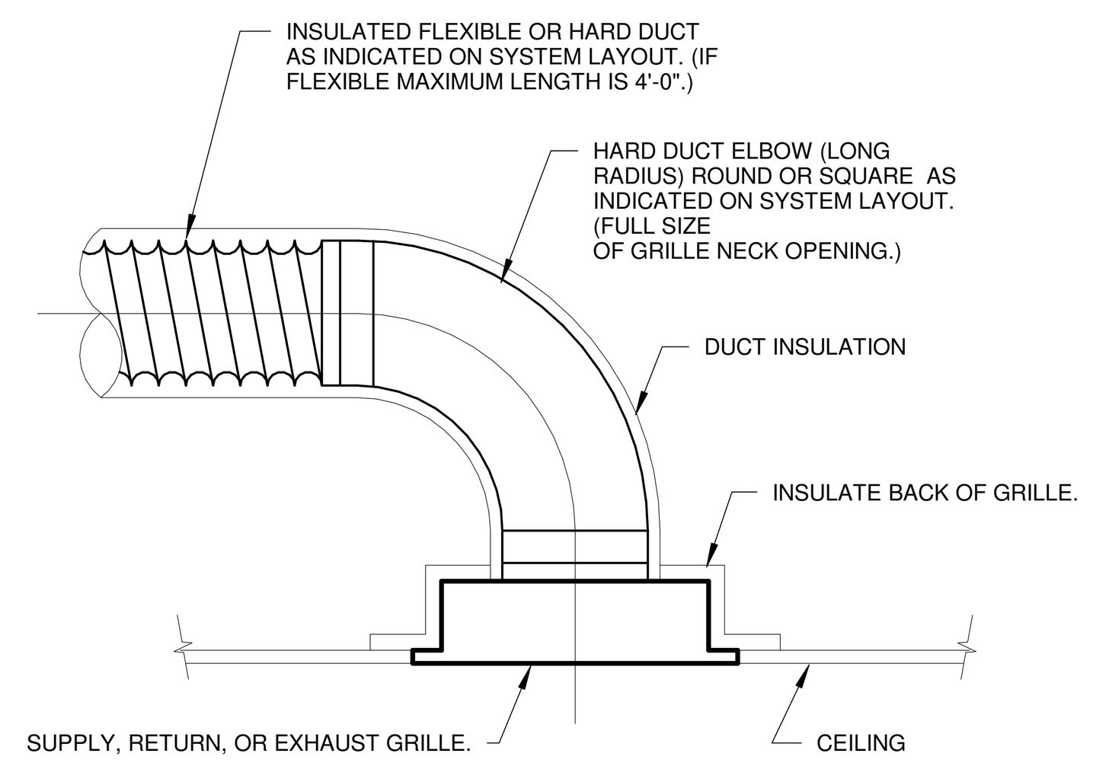
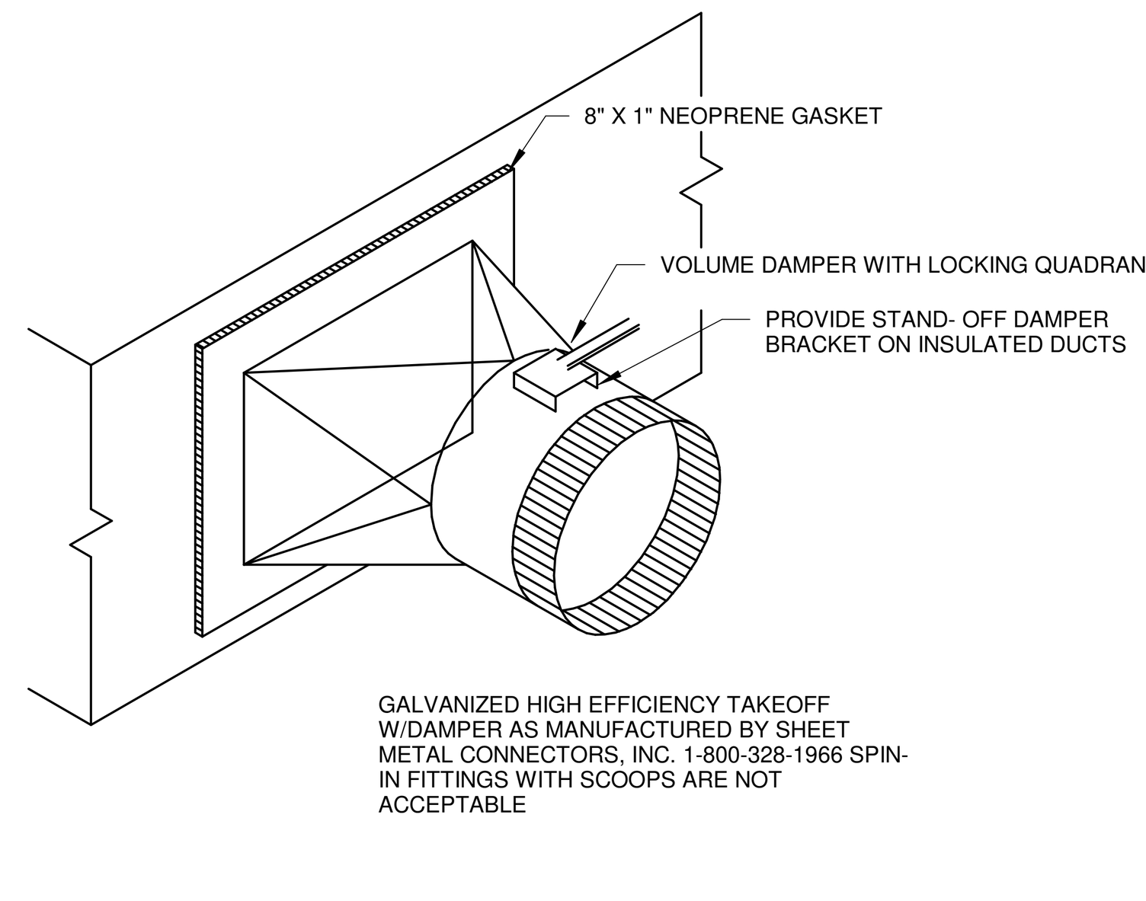
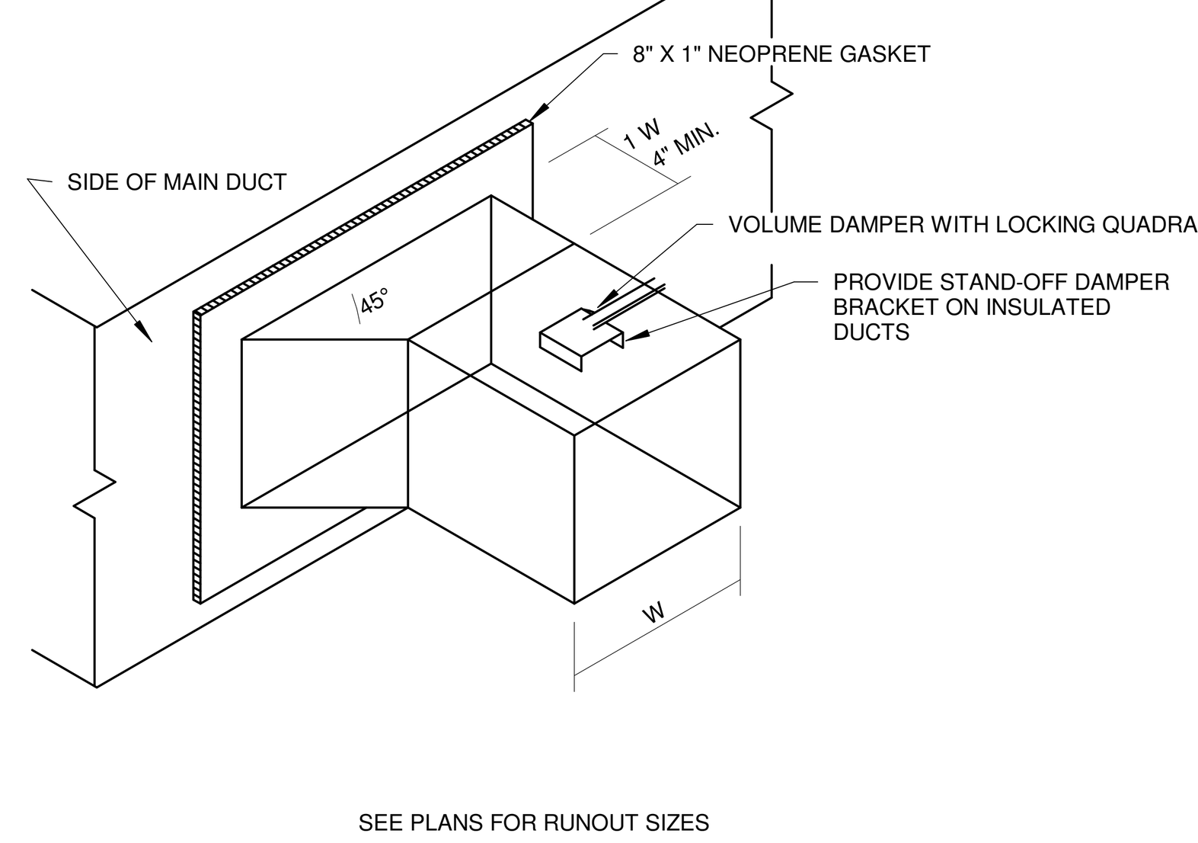


1 M401 **AIR DEVICE INSTALLATION-HARD ELBOW**
NOT TO SCALE



2 M401 **BRANCH DUCT ROUND FITTING**
NOT TO SCALE



3 M401 **BRANCH DUCT SQUARE FITTING**
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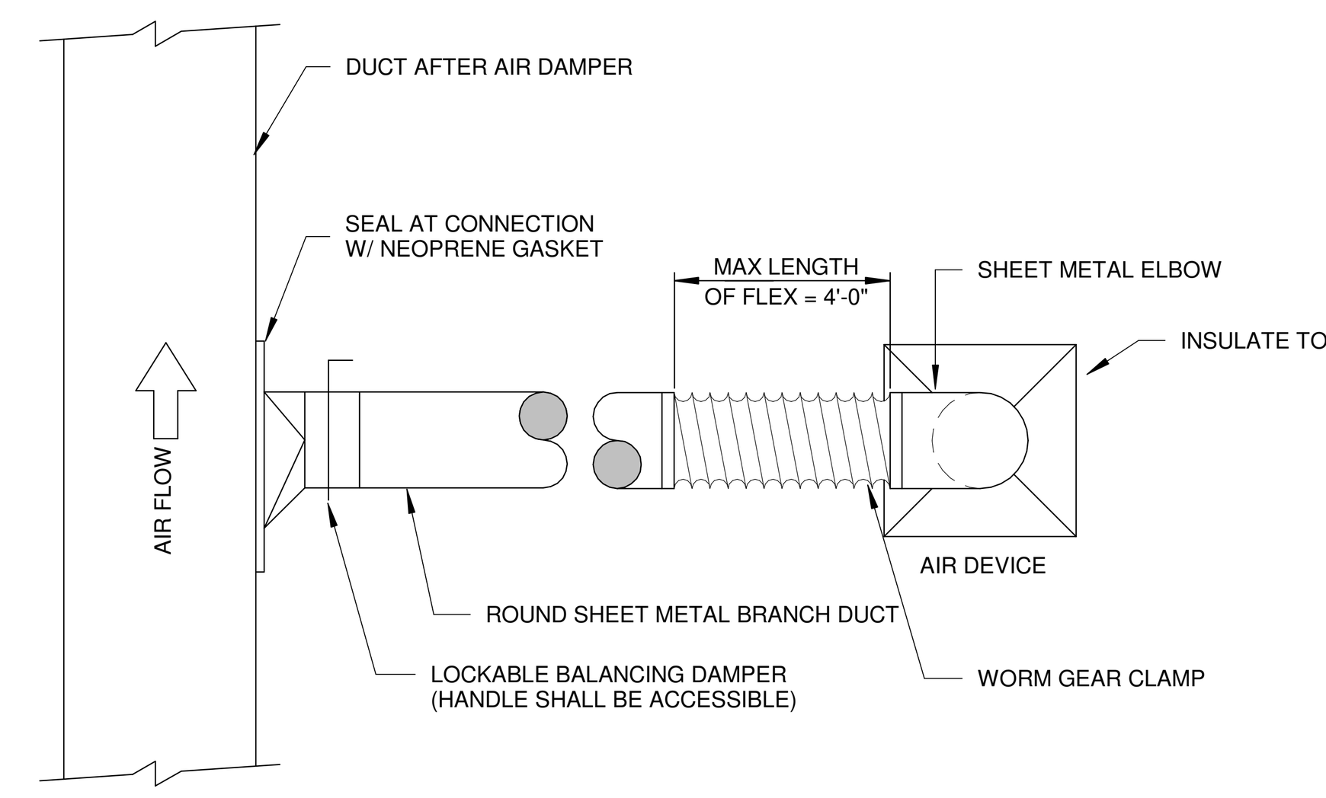
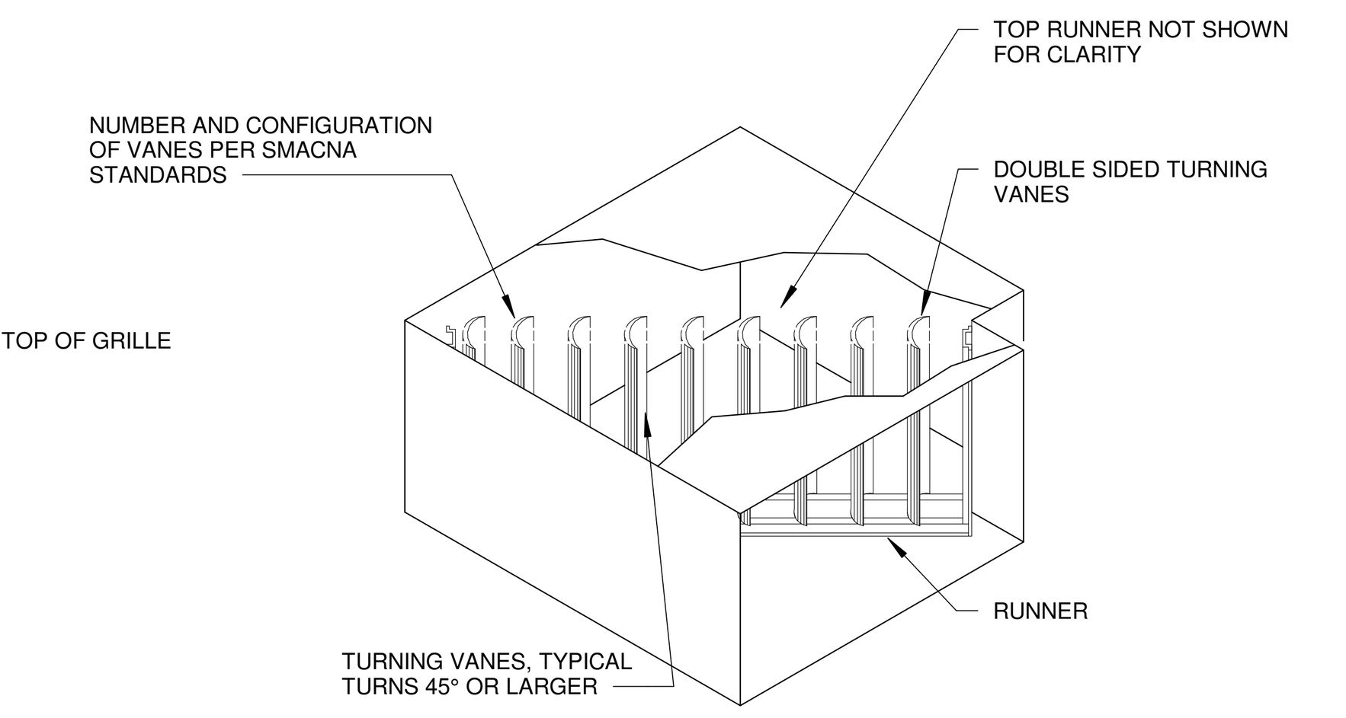
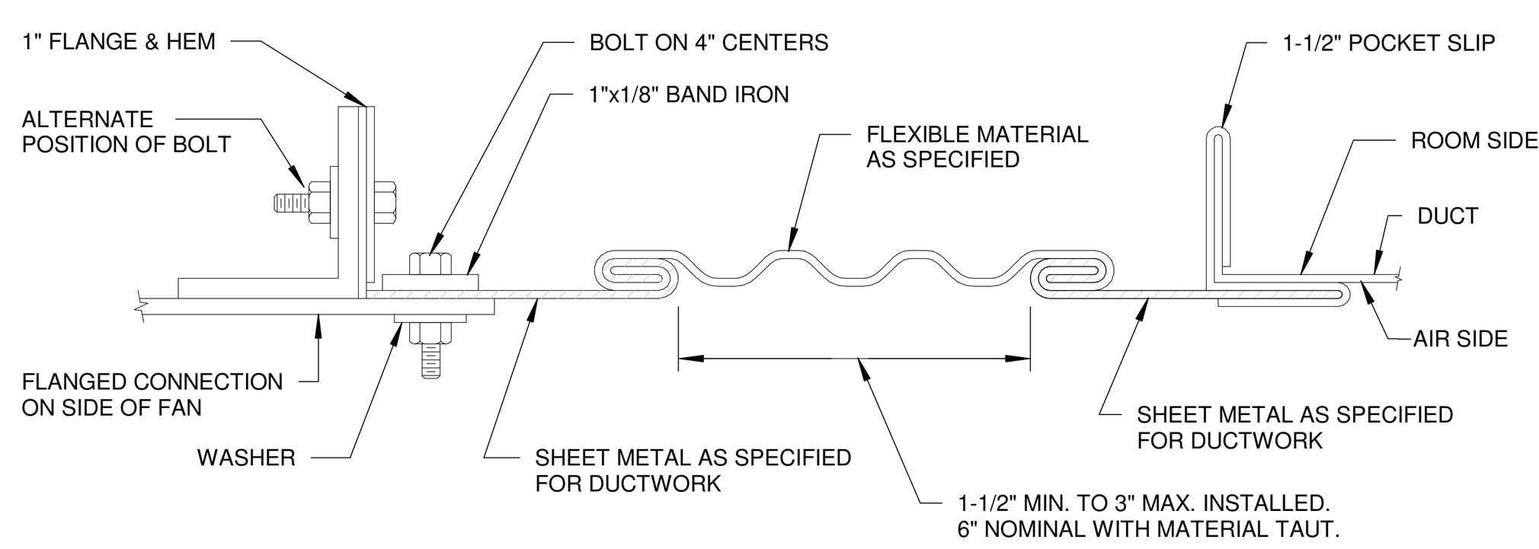


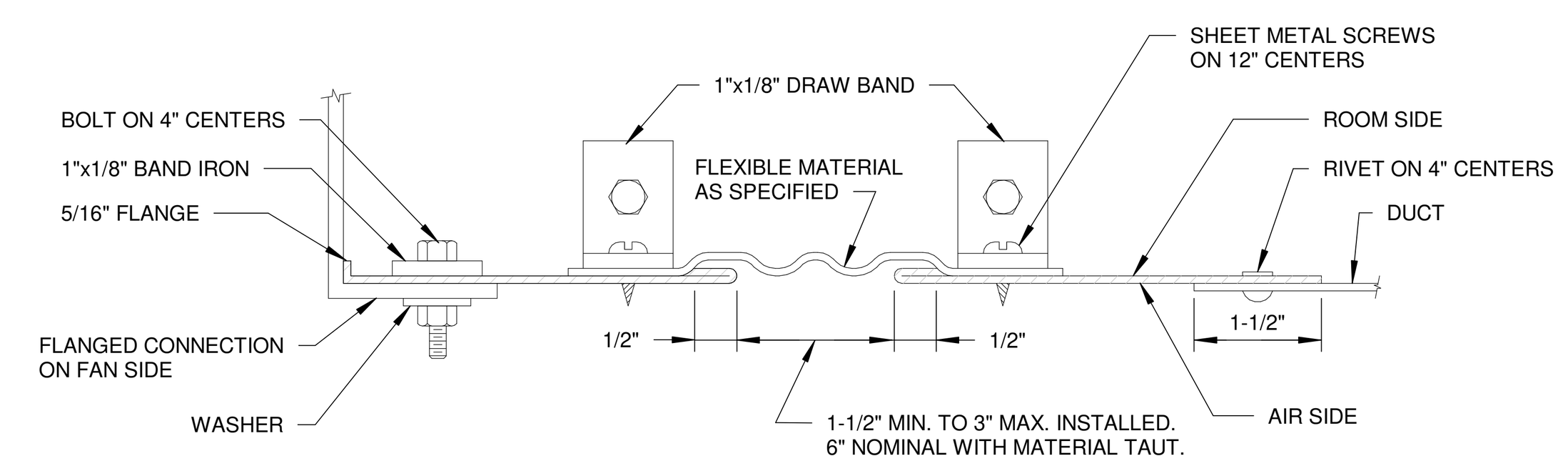
4 M401 **TYPICAL DUCT CONNECTION**
NOT TO SCALE



5 M401 **TURNING VANE**
NOT TO SCALE



6 M401 **FLEXIBLE DUCT CONNECTOR (RECTANGULAR)**
NOT TO SCALE



7 M401 **FLEXIBLE DUCT CONNECTOR (ROUND)**
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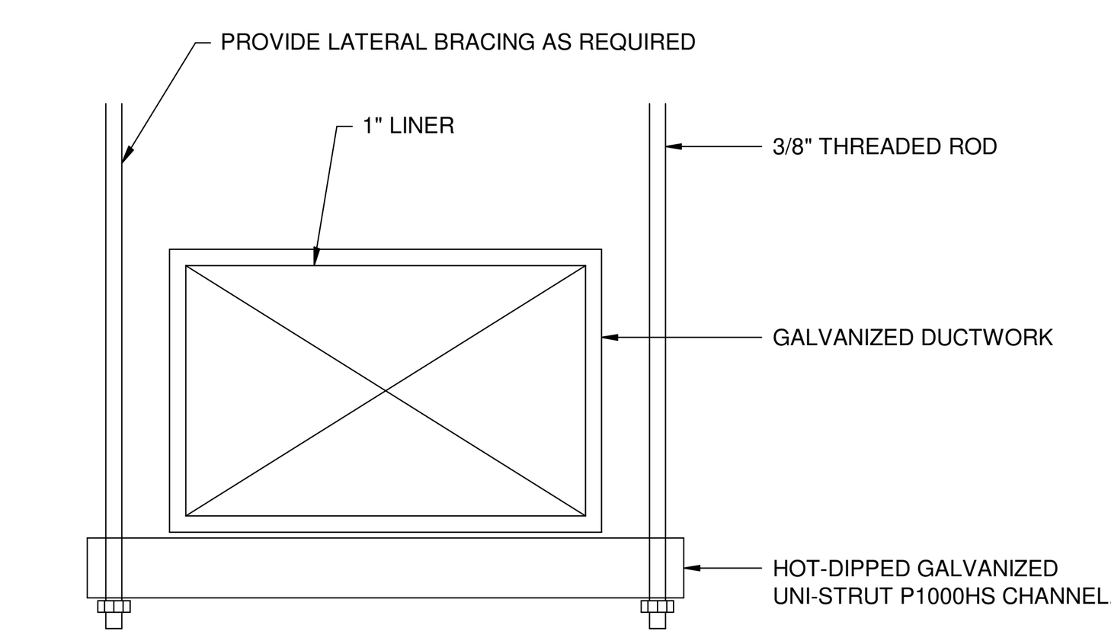
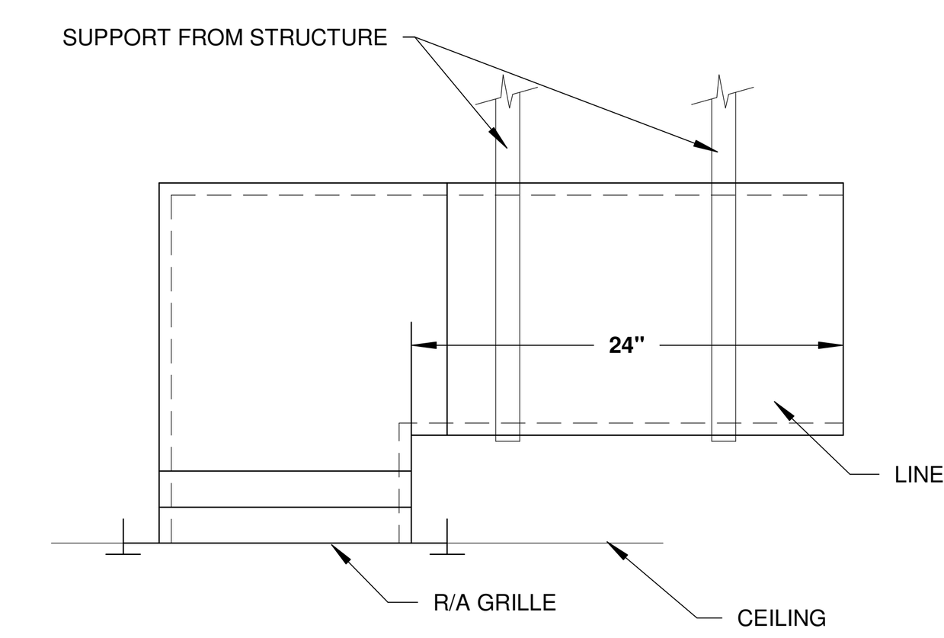
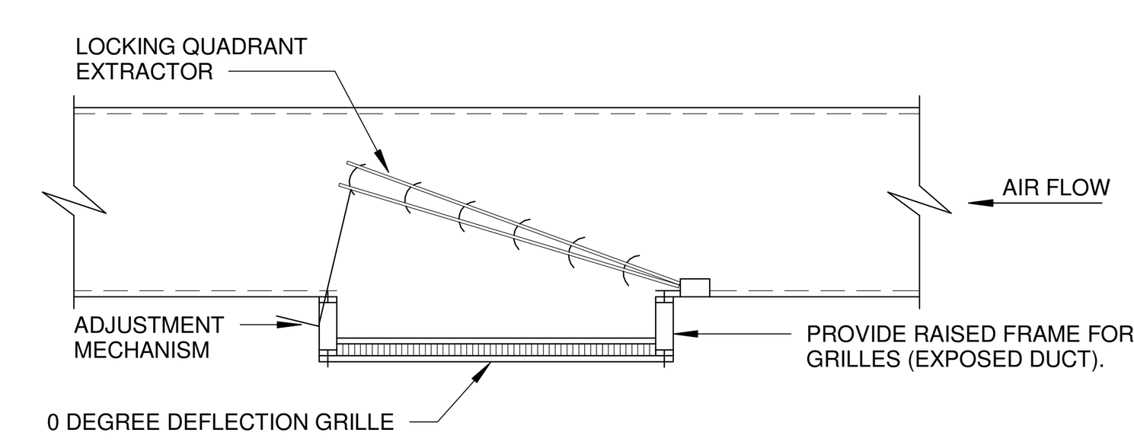


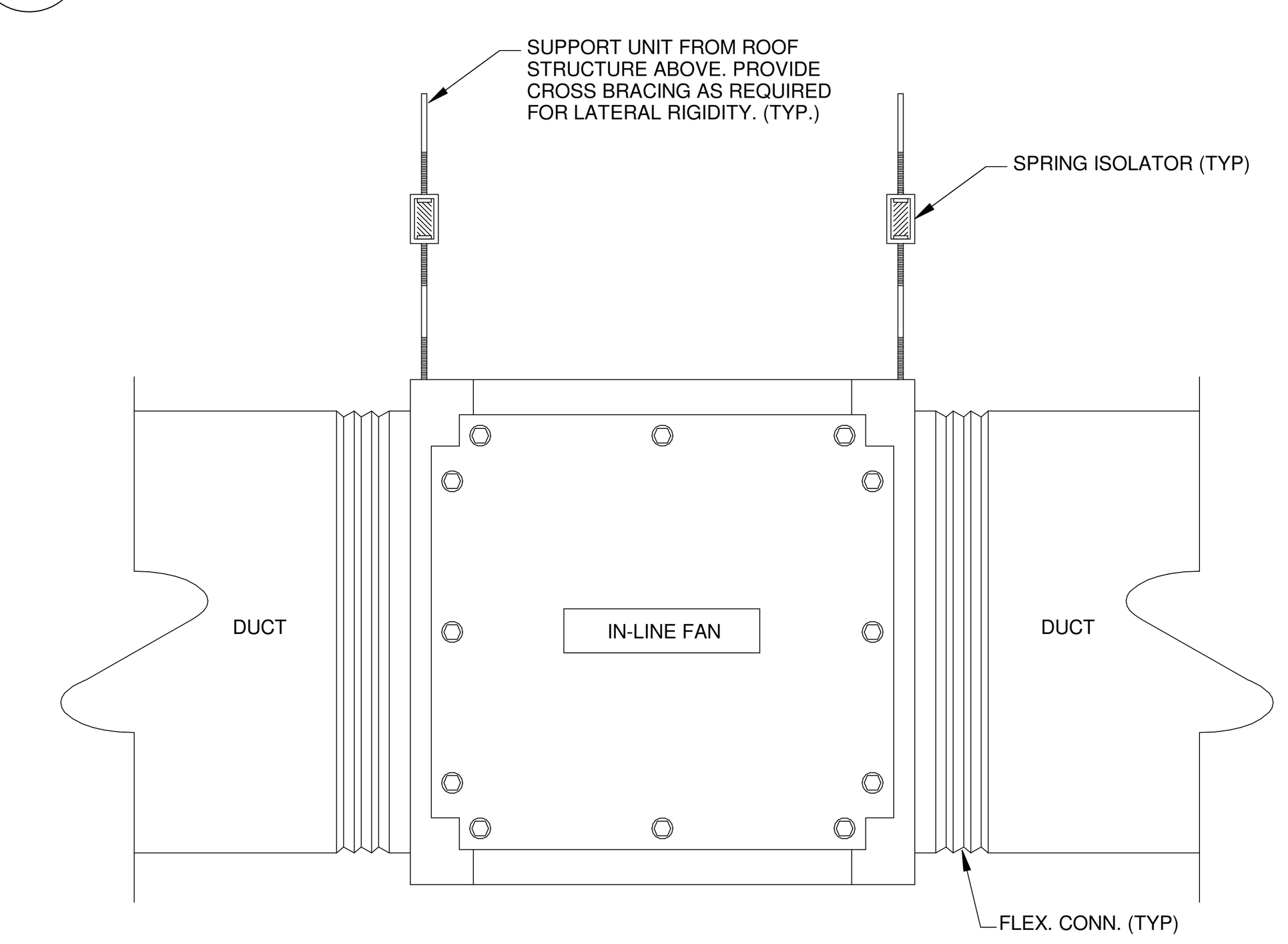
8 M401 **HANGING DUCTWORK SUPPORT**
NOT TO SCALE



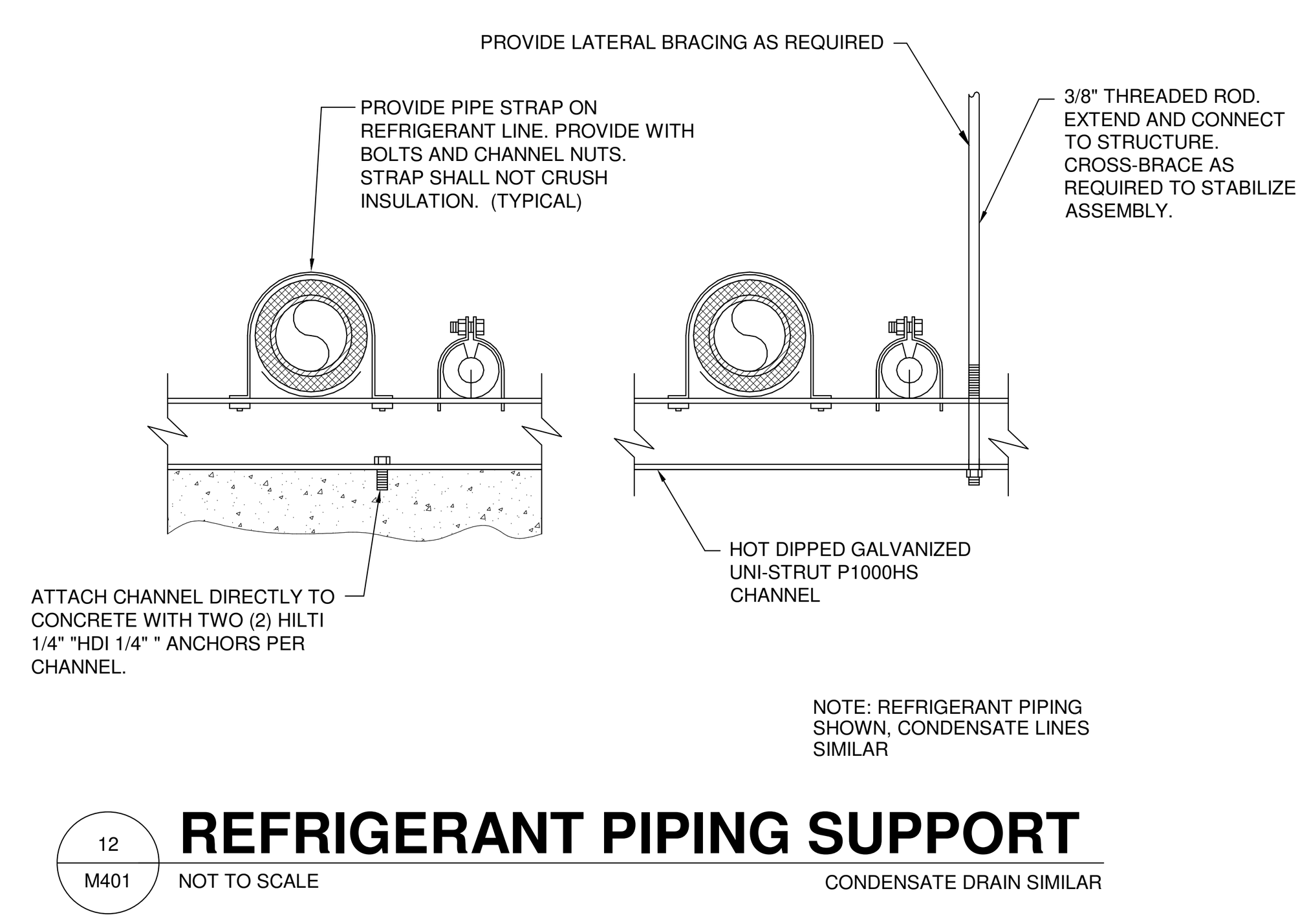
9 M401 **SOUND BOOT**
NOT TO SCALE



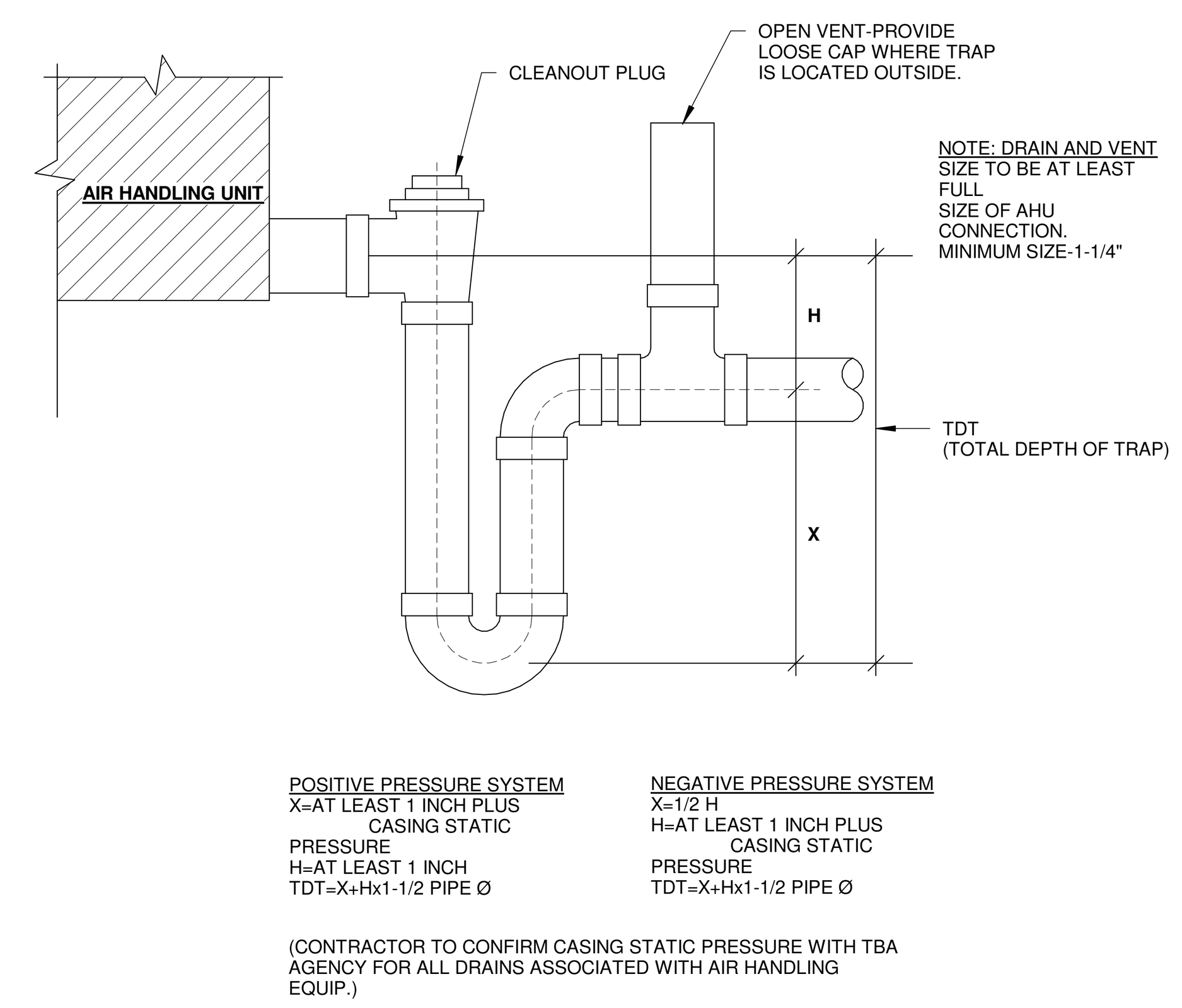
10 M401 **SIDE WALL GRILLE**
NOT TO SCALE



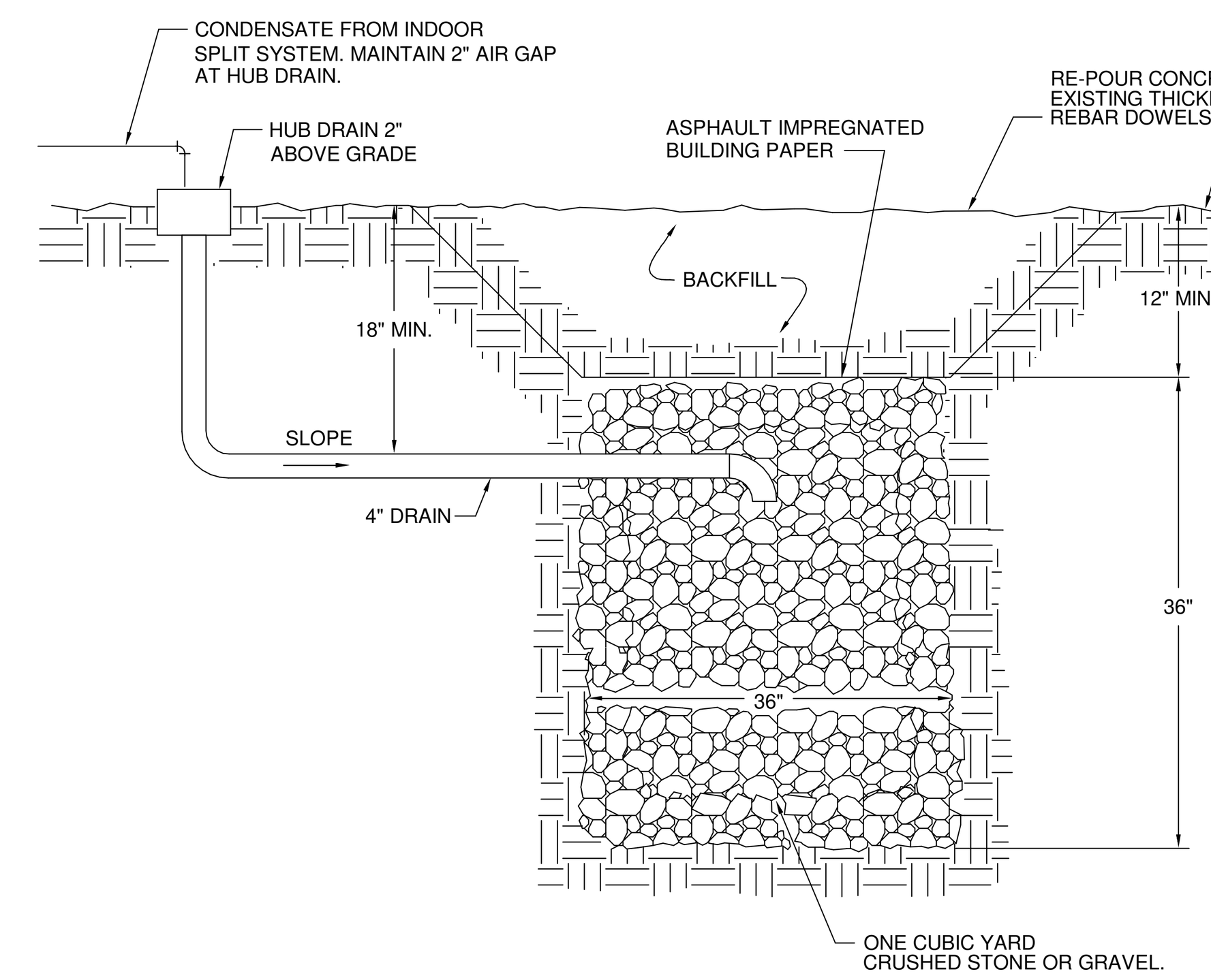
11 M401 **IN-LINE EXHAUST FAN**
NOT TO SCALE



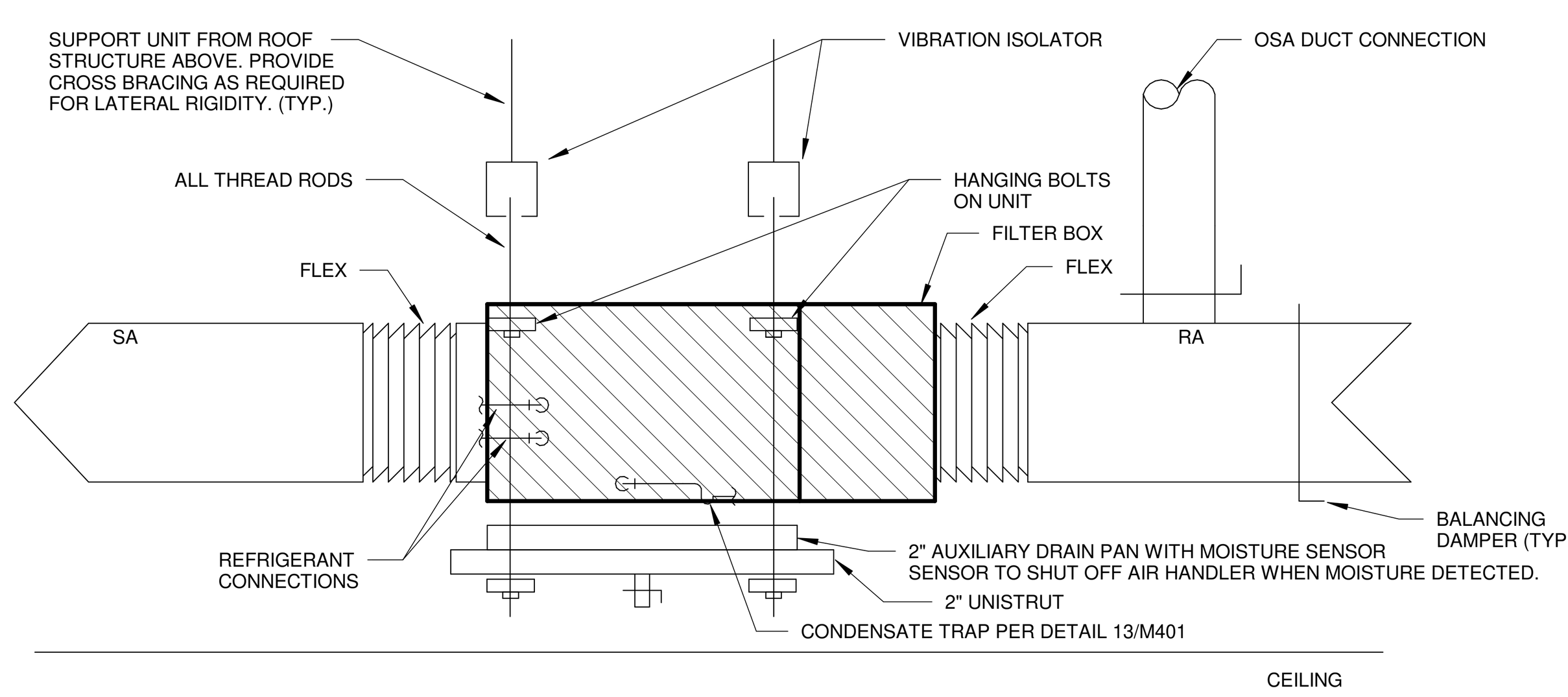
12 M401 **REFRIGERANT PIPING SUPPORT**
NOT TO SCALE
CONDENSATE DRAIN SIMILAR



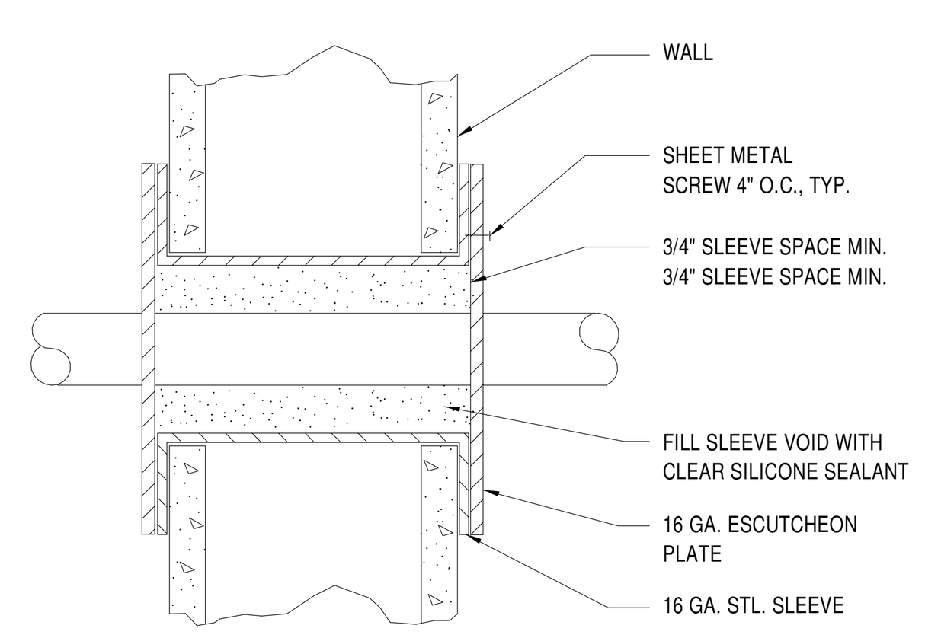
13 M401 **CONDENSATE TRAP**
NOT TO SCALE



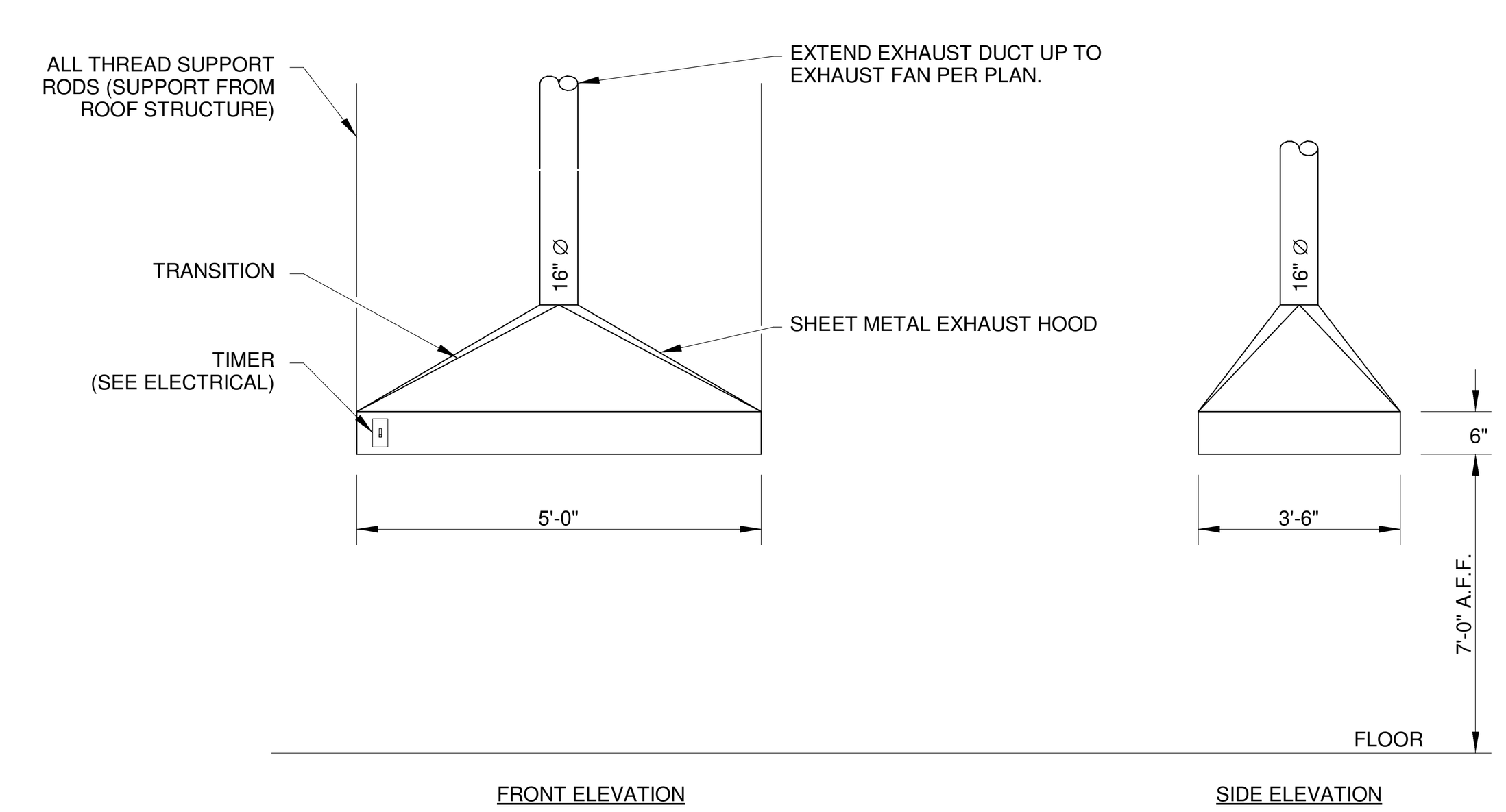
14 M401 **AREA CONDENSATE DRAIN**
NOT TO SCALE



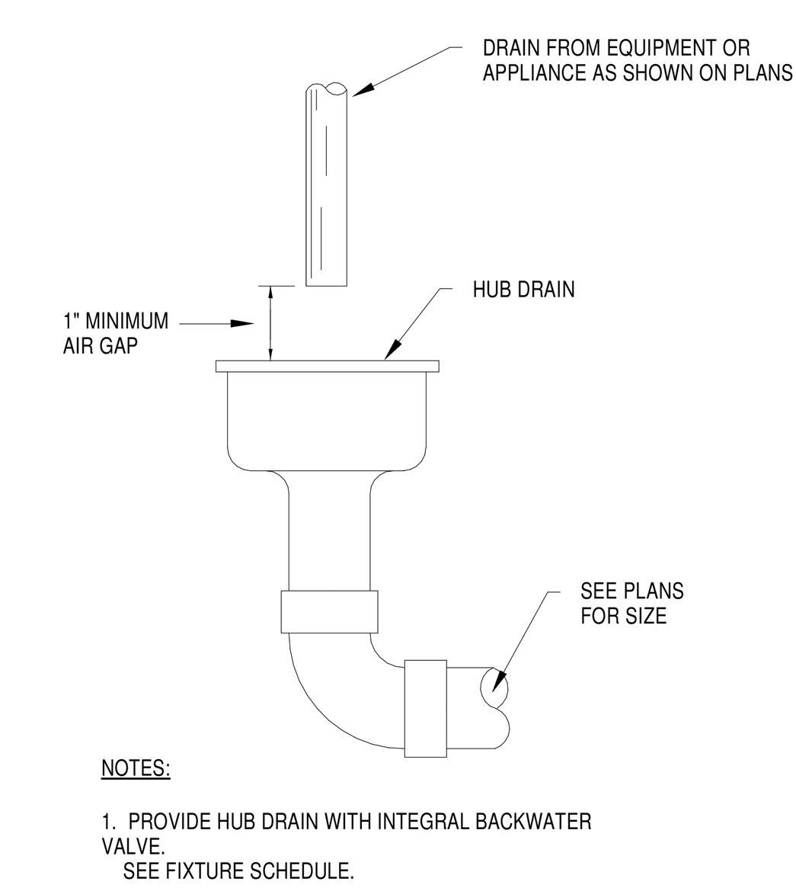
15 M401 **TYPICAL FAN COIL UNIT**
NOT TO SCALE



16 M401 **PIPE SLEEVE THROUGH WALL**
NOT TO SCALE



17 M401 **PLASMA CUTTER EXHAUST HOOD DETAIL**
NOT TO SCALE



18 M401 **CONDENSATE HUB DRAIN**
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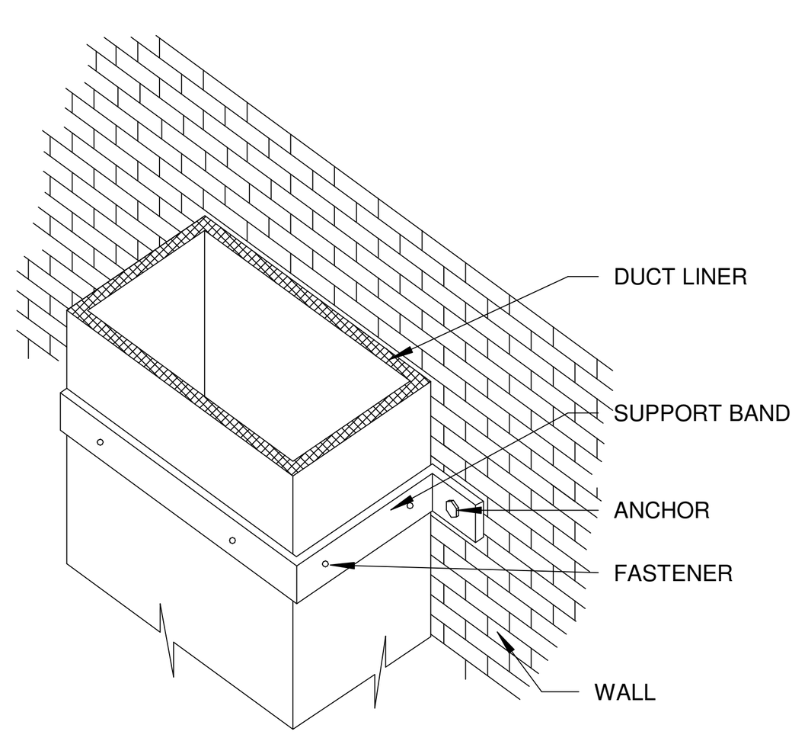
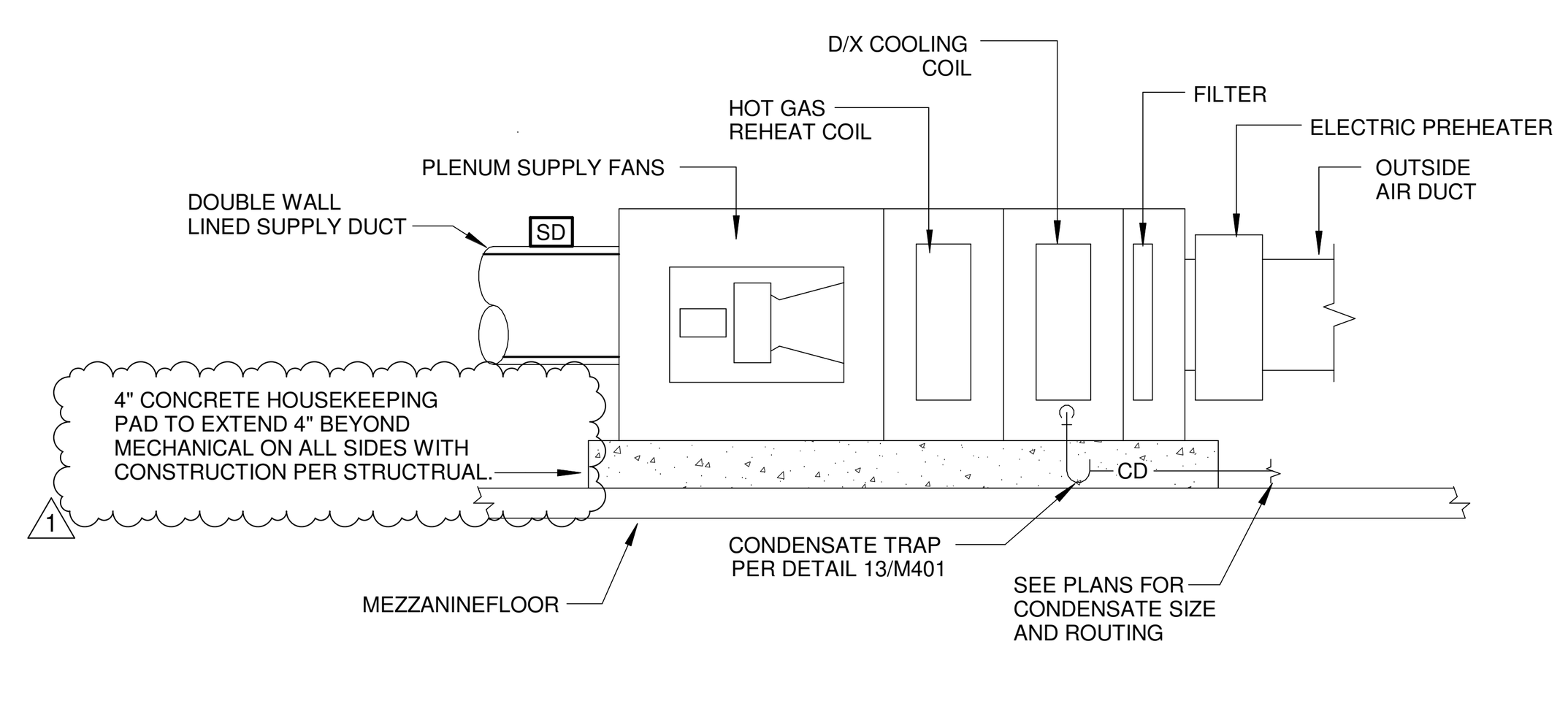


19 M401 **WALL DUCT SUPPORT**
NOT TO SCALE



20 M401 **DOAS-2 AND DOAS-3**
NOT TO SCALE

WDD ARCHITECTS

PROJECT TITLE

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

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MECHANICAL DETAILS

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VARIABLE REFRIGERANT VOLUME - AIR-COOLED CONDENSING UNIT SCHEDULE

MARK	NOMINAL TONNAGE	DESCRIPTION	COOLING CAPACITY BTU/h	COOLING CAPACITY AMBIENT DESIGN (°F DB)	HEATING CAPACITY BTU/h	HEATING CAPACITY AMBIENT DESIGN (°F DB / WB)	REFRIGERANT CHARGE Factory Charge (lbs)	CONNECTION RATIO (%)	ELECTRICAL VOLTAGE-PHASE	MCA mod #1	MCA mod #2	MCA mod #3	MCA total	MOP mod #1	MOP mod #2	MOP mod #3	MOP total	RLA mod #1	RLA mod #2	RLA mod #3	RLA total	MANUFACTURER	MODEL	WEIGHT (lbs)	EFFICIENCY EER	IEER	COP47	COP17	SCHE	REMARKS
HRU- 1	18	Air cooled heat recovery (1)	210,157	100	173,914	10.0 / 8.0	25.79	141	208V 3ph	67.2	--	--	67.2	70.0	--	--	70.0	40.0	--	--	40.0	DAIKIN	REYQ216AATJA	956.8	11	20.5	3.25	2.05	21.9	
HRU-D1	12	Air cooled heat recovery (1)	140,838	100	137,685	10.0 / 8.0	25.79	100	208V 3ph	58.3	--	--	58.3	70.0	--	--	70.0	42.6	--	--	42.6	DAIKIN	REYQ144XATJB	727	11.6	21.6	3.42	2.12	22	
HRU-D2	32	Air cooled heat recovery (3)	372,618	100	287,936	10.0 / 8.0	77.4	100	208V 3ph	58.3	43.0	43.0	144.3	70.0	50.0	50.0	170.0	42.6	28.2	28.2	99.0	DAIKIN	REYQ384XATJB	727.0 / 727.0/727.0	9.9	17.6	3.2	20.6	17	
HRU-D3	32	Air cooled heat recovery (3)	372,618	100	287,936	10.0 / 8.0	77.4	100	208V 3ph	58.3	43.0	43.0	144.3	70.0	50.0	50.0	170.0	42.6	28.2	28.2	99.0	DAIKIN	REYQ384XATJB	727.0 / 727.0/727.0	9.9	17.6	3.2	20.6	17	

DEDICATED OUTDOOR AIR UNIT SCHEDULE

MARK	LOCATION	SERVES	FAN DATA CFM	ESP	POWER (KW)	COOLING DX TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	EDB/EWB	LDB/LWB	HEATING DX CAPACITY (MBH)	EDB/LDB	HGRH COIL CAPACITY (BTUH)	EDB/LDB	ELECTRIC PREHEAT KW	SEAPARATE ELECTRICAL CONNETION	UNIT ELECTRICAL DATA VOLTS/PHASE	MCA	MOP	FLA	MANUFACTURER	MODEL	REMARKS
DOAS-1	BREAKROOM 114	OFFICE AREA / FAB SHOP/ PARTS ROOM	1590	0.75	0.78	127.3	72.5	96/77	54.7/53.7	108.2	17/80	43.4	55/80	6	YES	208/1	8.8	15.0	8.6	OXYGEN 8	T18IN	PROVIDE DAIKIN VALVE INTEGRATION KIT
DOAS-2	EQUIPMENT ROOM 202	SHOP BAYS 100	4020	0.75	1.6	372.5	210.8	99/78	51.5/51.0	238.8	17/72	79.5	52/70	15	NO	208/3	52.1	60.0	41.7	OXYGEN 8	T48IN	PROVIDE DAIKIN VALVE INTEGRATION KIT
DOAS-3	EQUIPMENT ROOM 202	SHOP BAYS 100	4020	0.75	1.6	372.5	210.8	99/78	51.5/51.0	238.8	17/72	79.5	52/70	15	NO	208/3	52.1	60.0	41.7	OXYGEN 8	T48IN	PROVIDE DAIKIN VALVE INTEGRATION KIT

VARIABLE REFRIGERANT VOLUME - INDOOR UNIT SCHEDULE

MARK	NOMINAL TONNAGE	TYPE	CONNECTED TO: CONDENSING UNIT	ZONE CHANGEOVER DEVICE	DESIGN AIRFLOW (CFM)	OSA AIRFLOW (CFM)	COOLING CAPACITY TOTAL BTU/h	SENSIBLE BTU/h	EAT °F DB	EAT °F WB	HEATING CAPACITY TOTAL BTU/h	EAT °Fdb	ELECTRICAL VOLTS - PHASE	MCA	MOP	MANUFACTURER	MODEL	DIMENSIONS WxHxD inch	WEIGHT lbs	REMARKS
FC-01	4.5	MSP Concealed Ducted Unit	HRU-1	Yes	1.377	20	43,675	32,943	72.5	61	59,932	68	208-230V 1ph	3.3	15	DAIKIN	FXSQ54TAVJU	61.0 x 9.6 x 31.5	104	
FC-02	1.3	MSP Concealed Ducted Unit	HRU-1	Yes	441	320	12,079	8,902	70.5	61	16.411	68	208-230V 1ph	1.4	15	DAIKIN	FXSQ15TAVJU	27.6 x 9.6 x 31.5	60	
FC-03	0.6	MSP Concealed Ducted Unit	HRU-1	Yes	230	50	6,210	4,684	71.4	61	8,308	68	208-230V 1ph	0.8	15	DAIKIN	FXSQ07TAVJU	21.7 x 9.6 x 31.5	55	
FC-04	4	MSP Concealed Ducted Unit	HRU-1	Yes	1307	75	38,834	28,200	71.6	61	53,295	68	208-230V 1ph	2.8	15	DAIKIN	FXSQ48TAVJU	55.1 x 9.6 x 31.5	104	
FC-05	2.5	MSP Concealed Ducted Unit	HRU-1	Yes	812	80	24,226	18,186	71.1	61	33,505	68	208-230V 1ph	1.8	15	DAIKIN	FXSQ30TAVJU	39.4 x 9.6 x 31.5	82	
FC-06	3	MSP Concealed Ducted Unit	HRU-1	Yes	1130	420	29,140	18,221	68.2	61	37,839	68	208-230V 1ph	2.5	15	DAIKIN	FXSQ36TAVJU	55.1 x 9.6 x 31.5	101	
FC-07	1.5	MSP Concealed Ducted Unit	HRU-1	Yes	600	320	14,500	11,788	72.7	61	19,960	68	208-230V 1ph	1.6	15	DAIKIN	FXSQ18TAVJU	39.4 x 9.6 x 31.5	77	
FC-08	2	MSP Concealed Ducted Unit	HRU-1	Yes	742	90	19,279	13,885	73.1	61	26,494	68	208-230V 1ph	1.8	15	DAIKIN	FXSQ24TAVJU	39.4 x 9.6 x 31.5	82	
FC-09	6	Concealed Ducted (Medium Static)	HRU- 1	Yes	2047	215	56,900	45,116	71.6	61	84,000	68	208-230V 1ph	9	15	DAIKIN	FXMQ72MVJU	54.3 x 18.1 x 43.3	302	

VARIABLE REFRIGERANT VOLUME - BRANCH SELECTOR SCHEDULE

MARK	CONDENSING UNIT SERVED	VOLTAGE-PHASE	(MCA)	(MOP)	MAX CAPACITY (PER PORT)	DIMENSIONS (WxHxD IN)	MANUFACTURER	MODEL	WEIGHT (lbs)	REMARKS
BS-1	HRU- 1	208-230V 1ph	0.4	15	54	14.6 x 11.7 x 18.9	DAIKIN	BS4Q54TAVJ	48.5	
BS-2	HRU- 1	208-230V 1ph	0.4	15	54	14.6 x 11.7 x 18.9	DAIKIN	BS4Q54TAVJ	48.5	
BS-3	HRU- 1	208-230V 1ph	0.4	15	54	14.6 x 11.7 x 18.9	DAIKIN	BS4Q54TAVJ	48.5	
BS-4	HRU- D1	208-230V 1ph	0.4	15	54	14.6 x 11.7 x 18.9	DAIKIN	BS4Q54TAVJ	48.5	
BS-5	HRU- D1	208-230V 1ph	0.4	15	54	14.6 x 11.7 x 18.9	DAIKIN	BS4Q54TAVJ	48.5	
BS-6	HRU-D2	208-230V 1ph	0.1	15	96	15.3 x 8.1 x 12.8	DAIKIN	BSQ96TAVJ	33.1	
BS-7	HRU-D2	208-230V 1ph	0.1	15	96	15.3 x 8.1 x 12.8	DAIKIN	BSQ96TAVJ	33.1	
BS-8	HRU-D2	208-230V 1ph	0.1	15	96	15.3 x 8.1 x 12.8	DAIKIN	BSQ96TAVJ	33.1	
BS-9	HRU-D2	208-230V 1ph	0.1	15	96	15.3 x 8.1 x 12.8	DAIKIN	BSQ96TAVJ	33.1	
BS-10	HRU-D2	208-230V 1ph	0.4	15	54	14.6 x 11.7 x 18.9	DAIKIN	BS4Q54TAVJ	48.5	
BS-11	HRU- D3	208-230V 1ph	0.1	15	96	15.3 x 8.1 x 12.8	DAIKIN	BSQ96TAVJ	33.1	
BS-12	HRU- D3	208-230V 1ph	0.1	15	96	15.3 x 8.1 x 12.8	DAIKIN	BSQ96TAVJ	33.1	
BS-13	HRU- D3	208-230V 1ph	0.1	15	96	15.3 x 8.1 x 12.8	DAIKIN	BSQ96TAVJ	33.1	
BS-14	HRU- D3	208-230V 1ph	0.1	15	96	15.3 x 8.1 x 12.8	DAIKIN	BSQ96TAVJ	33.1	
BS-15	HRU- D3	208-230V 1ph	0.4	15	54	14.6 x 11.7 x 18.9	DAIKIN	BS4Q54TAVJ	48.5	

DUCTLESS SPLIT SYSTEM SCHEDULE

MARK	LOCATION	SERVES	SENSIBLE CAPACITY	COOLING CFM HIGH/MED/LOW	HEAT CAPACITY	ELECTRICAL DATA MCA	MOP	VOLTS/PHASE	SEER	EER	MANUFACTURER	MODEL	REMARKS
DSS-1/DHP-1	ELEC ROOM 105/MECH YARD	ELEC ROOM 105	8,800 BTUH	431/322/249	9,400 BTUH	12.35	15	208/1	18.0	11.0	DAIKIN	FTX08BXVJU-RXB09BXVJU	PROVIDE WITH LOW AMBIENT KIT, THERMOSTAT AND CONDENSATE PUMP.

AIR DEVICE SCHEDULE

MARK	SYSTEM	STYLE	NECK SIZE	FACE SIZE	MAX CFM	APD (IN-WG)	MAX N.C.	MATERIAL	FINISH	MANUFACTURER	MODEL	REMARKS
CS1	SUPPLY AIR	SQUARE LOUVERED DIFFUSER	6"Ø	24"X24"	100	0.1	30	STEEL	WHITE	PRICE	SMD SERIES	Column13
CS2	SUPPLY AIR	SQUARE LOUVERED DIFFUSER	8"Ø	24"X24"	210	0.1	30	STEEL	WHITE	PRICE	SMD SERIES	
CS3	SUPPLY AIR	SQUARE LOUVERED DIFFUSER	10"Ø	24"X24"	400	0.1	30	STEEL	WHITE	PRICE	SMD SERIES	
CS4	SUPPLY AIR	ROUND CONE DIFFUSER	12"Ø	27"Ø	700	0.1	30	STEEL	WHITE	PRICE	RCD SERIES	
SWS1	SUPPLY AIR	LOUVERED SUPPLY	4"X12"	6"X14"	300	0.1	30	STEEL	WHITE	PRICE	520L	DOUBLE DEFLECTION
SWS2	SUPPLY AIR	LOUVERED SUPPLY	6"X16"	8"X18"	400	0.1	30	STEEL	WHITE	PRICE	520L	DOUBLE DEFLECTION
DD1	SUPPLY AIR	HIGH CAPACITY DRUM DIFFUSER	6"X18"	8"X20"	325	0.1	30	STEEL	WHITE	PRICE	HCD SERIES	PROVIDE WITH INTEGRAL DAMPER
DD2	SUPPLY AIR	HIGH CAPACITY DRUM DIFFUSER	10"X24"	12"X26"	805	0.1	30	STEEL	WHITE	PRICE	HCD SERIES	PROVIDE WITH INTEGRAL DAMPER
CR1	RETURN AIR	EGG CRATE FACE RETURN	6"X6"	24"X24"	100	0.1	30	ALUMINUM	WHITE	PRICE	80 SERIES	
CR2	RETURN AIR	EGG CRATE FACE RETURN	10"X10"	24"X24"	480	0.1	30	ALUMINUM	WHITE	PRICE	80 SERIES	
CR3	RETURN AIR	EGG CRATE FACE RETURN	12"X12"	24"X24"	610	0.1	30	ALUMINUM	WHITE	PRICE	80 SERIES	
CR4	RETURN AIR	EGG CRATE FACE RETURN	14"X14"	24"X24"	900	0.1	30	ALUMINUM	WHITE	PRICE	80 SERIES	
CR5	RETURN AIR	EGG CRATE FACE RETURN	22"X22"	24"X24"	2200	0.1	30	ALUMINUM	WHITE	PRICE	80 SERIES	
CE1	EXHAUST AIR	EGG CRATE FACE RETURN	6"X6"	12"X12"	100	0.1	30	ALUMINUM	WHITE	PRICE	80 SERIES	
CE2	EXHAUST AIR	EGG CRATE FACE RETURN	8"X8"	24"X24"	260	0.1	30	ALUMINUM	WHITE	PRICE	80 SERIES	
SWE1	EXHAUST AIR	HEAVY DUTY GYM GRILLE	20"X36"	22"X38"	1260	0.1	30	STEEL	WHITE	PRICE	91S SERIES	

NOTES:

1. ALL CEILING DIFFUSERS SHALL BE 4-WAY THROW, UNLESS OTHERWISE INDICATED.
2. IF AIR DEVICE NECK SIZE DIFFERS FROM BRANCH DUCT SIZE, PROVIDE TRANSITION AS NEEDED.
3. PROVIDE FRAME STYLE / INSTALLATION TYPE AS REQUIRED FOR CEILING TYPE.
4. PROVIDE RAPID MOUNT FRAMS FOR AIR DEVICES MOUNTED IN CEILINGS OTHER THAN LAY-IN CEILINGS.

EXHAUST FAN SCHEDULE

MARK	SERVES	TYPE	FAN DATA CFM	ESP	RPM	MOTOR DATE HP	VOLTS	Ø	SONNES	TOTAL UNIT WEIGHT (LBS)	MANUFACTURER	MODEL	REMARKS
EF-1	OFFICE AREA RESTROOM AND JANITOR	CENTRIFUGAL INLINE	725	0.5	1725	0.25	115	1	12.7	61	GREENHECK	SQ-99-VG	1,2,3
EF-2	STORAGE 115	INLINE CABINET	100	0.25	971	52 W	115	1	0.3	18	GREENHECK	CSP-A125	1,2,4
EF-3	FAB SHOP 102 WELDING HOOD	CENTRIFUGAL INLINE	3000	0.25	1160	1	115	1	8.4	120	GREENHECK	SQ-160-VG	1,2,5
EF-4	SHOP BAYS 100	CENTRIFUGAL INLINE	5025	0.5	1666	2	208	1	8.8	151	GREENHECK	SQ-16-VG	1,2,6
EF-5	SHOP BAYS 100	CENTRIFUGAL INLINE	5025	0.5	1666	2	208	1	8.8	151	GREENHECK	SQ-16-VG	1,2,6

NOTES:

1. PROVIDE WITH DISCONNECT
2. PROVIDE WITH HANGING SPRING ISOLATOR
3. PROVIDE WITH 24/7 PROGRAMMABLE TIMER
4. PROVIDE WITH LINE-VOLTAGE THERMOSTAT
5. PROVIDE WITH LINE-VOLTAGE 1-HOUR TIMER SWITCH (ADJ.)
6. FAN TO INTERLOCK WITH DOAS-2 AND 3 CONTROLS SYSTEM

LOUVER SCHEDULE

MARK	EQUIPMENT SERVED	USE	MAX AIRFLOW (CFM)	SIZE W"	SIZE H"	FREE AREA (SF)	APD (IN-WG)	MANUFACTURER	MODEL	REMARKS
L-1	EF-1 & 2 (1)	EXHAUST	1250	54	16	2.14	0.046	GREENHECK	ESD-635	1,2
L-2	DOAS-1,2,&3	INTAKE AIR	9,040	96	32	9.7	0.122	GREENHECK	ECD-601	1,2,3
L-3	EF-4 & 5	EXHAUST AIR	10,050	96	32	9.7	0.146	GREENHECK	ECD-601	1,2,3
L-4	EF-3	INTAKE AIR	3,000	30	40	3.54	0.101	GREENHECK	ECD-601	1,2,3
L-5	EF-3	EXHAUST AIR	3,000	24	44	3.26	0.115	GREENHECK	ECD-601	1,2,3
L-6	EF- 4 & 5	INTAKE AIR	4,020	42	44	6.01	0.063	GREENHECK	ECD-601	1,2,3
L-7	EF- 4 & 5	INTAKE AIR	4,020	42	44	6.01	0.063	GREENHECK	ECD-601	1,2,3

1

NOTES:

1. INTERNAL BIRD SCREEN
2. FINISH PER ARCHITECT
3. 120V MOTOR ACTUATED DAMPER

ELECTRIC UNIT HEATER SCHEDULE

MARK	SERVES	TYPE	KW	MOTOR HP/CFM	ELECTRICAL DATA AMP	VOLTS	PHASE	MANUFACTURER	MODEL	REMARKS
EH-1	FIRE RISER 106	SEMI-RECESS WALL MOUNT	1.5	1/125 HP	12.5	120	1	MARKEL	E3323TD-RP	1&2
EH-2	WASH BAY 125	WASHDOWN FAN FORCED UNIIT HEATER	5.0	400 CFM	24.1	208	1	MARKEL	F1F5505T-304	1&2
EH-3	WASH BAY 125	WASHDOWN FAN FORCED UNIIT HEATER	5.0	400 CFM	24.1	208	1	MARKEL	F1F5505T-304	1&2
EH-4	WASH BAY 125	WASHDOWN FAN FORCED UNIIT HEATER	5.0	400 CFM	24.1	208	1	MARKEL	F1F5505T-304	1&2

NOTES:

1. DISCONNECT SWITCH
2. INTEGRAL THERMOSTAT

Batson Inc.
ENGINEERING SOLUTIONS

WDD ARCHITECTS

PROJECT TITLE
CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

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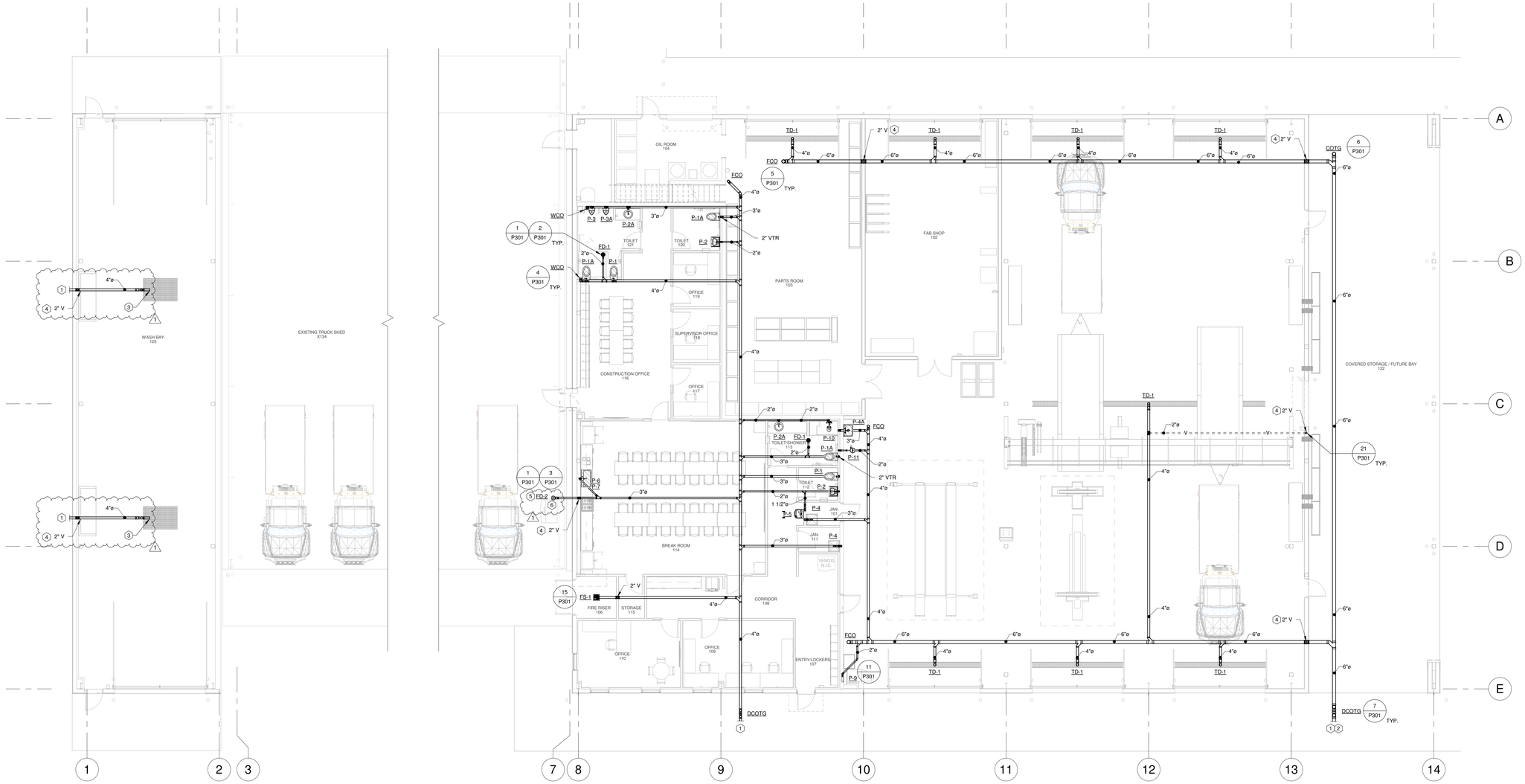
MECHANICAL SCHEDULES

REVISIONS

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1

24-096
JOB. NO.
02.14.2025
DATE
ISSUE SET

SHEET
M501



SANITARY SEWER PLAN

1/8" = 1'-0"

KEYED NOTES:

1. REFER TO CIVIL PLANS FOR CONTINUATION.
2. EXTEND SANITARY DRAIN LINE TO OIL/WATER SEPARATOR. SEPARATOR BY CIVIL.
3. 4" DRAIN LINE CONNECTS TO DRAINAGE PIT 1'-0" BELOW FINISHED SLAB.
4. ROUTE 2" VENT UP THROUGH ROOF AND OFFSET AS REQUIRED TO MAINTAIN A MINIMUM OF 3'-0" FROM ROOF EDGE.
5. FLOOR DRAIN TO SERVE ICE MACHINE.
6. COORDINATE ICE MAKER EXACT LOCATION WITH EXHAUST CAP FROM VENT HOOD, TO AVOID CONFLICTS.

STATE OF ARKANSAS REGISTERED ENGINEER MARC WESLEY WHITE NO. 9419 DEC 14,2025

Batson Inc. ENGINEERING SOLUTIONS
1300 Brookwood Drive
Little Rock Arkansas 72202
501-664-3311 www.batson.com

CERTIFICATE OF AUTHORIZATION BATSON, INC. No. 99 ARKANSAS ENGINEERING

WDD ARCHITECTS

PROJECT TITLE

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
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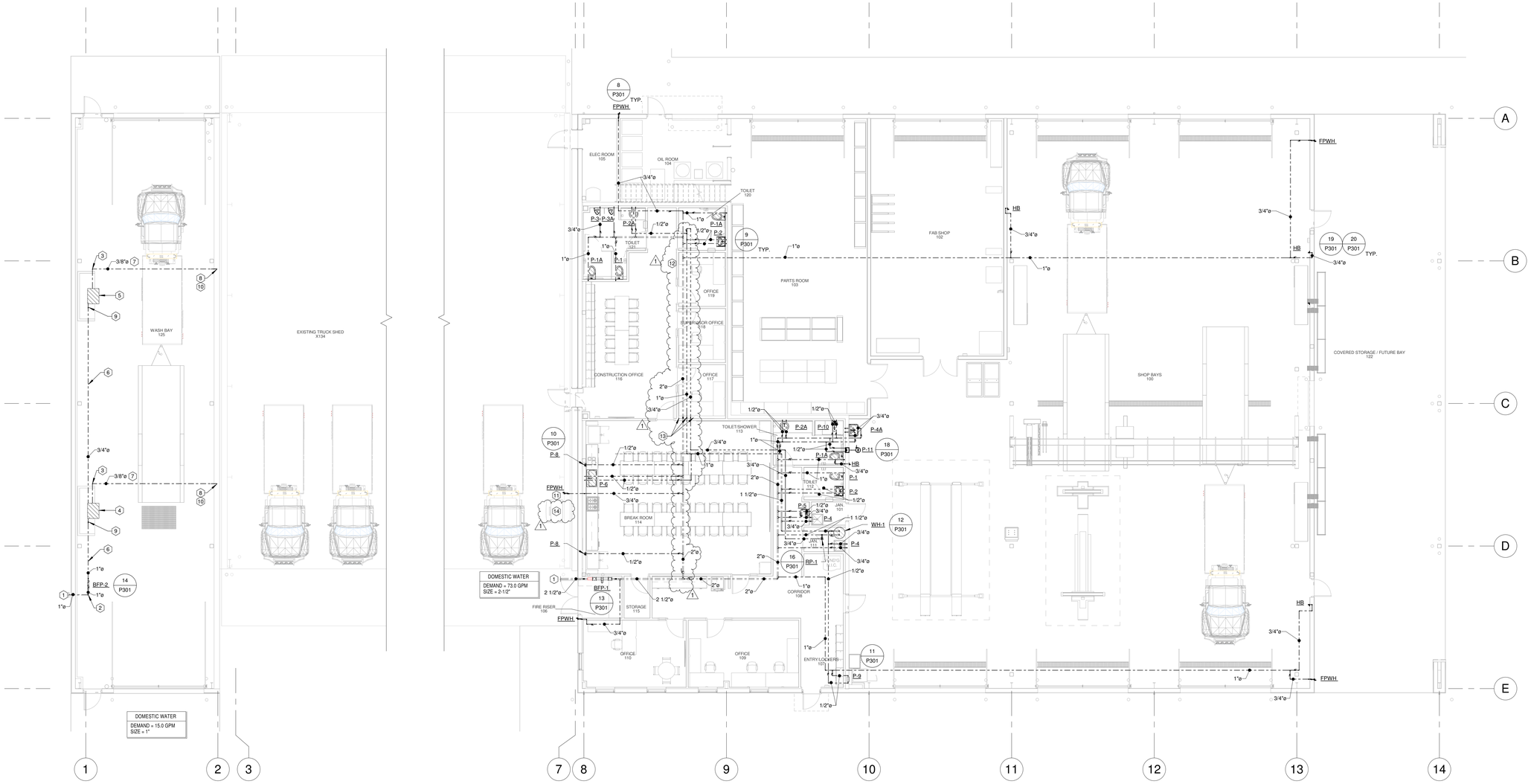
SHEET

P101



DOMESTIC WATER PLAN

1 / P201 — 1/8" = 1'-0"

KEYED NOTES:

1. SEE CIVIL FOR CONTINUATION.
2. WATER LINE RISES UP FROM BELOW SLAB. SLEEVE AND SEAL SLAB PENETRATION.
3. DISCHARGE PRESSURIZED WATER LINE FROM WASHER DROPS BELOW GRADE TO ROUTE BELOW SLAB TO SOUTH SIDE OF WASH BAY.
4. PSC MODEL ES429K424A PRESSURE WASHER.
5. OWNER FURNISHED, CONTRACTOR INSTALLED PRESSURE WASHER.
6. DOMESTIC WATER LINE ROUTED TIGHT TO WALL 8 FEET A.F.F. SECURE TO WALL USING UNI-STRUT SUPPORTS EVERY 4 FEET.
7. PRESSURIZED WATER LINE TO BE 3/8", SCHEDULE 80 STAINLESS STEEL PIPING.
8. PRESSURIZED WATER LINE TO RISE FROM BELOW SLAB TO 3 FEET A.F.F. SUPPORT PIPING PER DETAIL 17/P301. SLEEVE AND SEAL SLAB PENETRATION.
9. 3/4" DOMESTIC WATER LINE TO DROP TO PRESSURE WASHER. CONNECT TO WASHER PER MANUFACTURER'S REQUIREMENTS.
10. TERMINATE PRESSURIZED WATER LINE PER MANUFACTURER'S REQUIREMENTS FOR CONNECTION TO HIGH-PRESSURE WASH HOSE.
11. HEAT TRACE DOMESTIC WATER CONNECTION FROM ICE MAKER TO HOSE BIBB FOR FREEZE PROTECTION. COORDINATE WITH ELECTRICAL PIROR TO INSTALLATION.
12. CLOSELY COORDINDATE DOMESTIC WATER ROUTING BELOW MEZZANINE WITH OTHER TRADE TO AVOID CONFLICTS PRIOR TO INSTALLATION.
13. DOMESTIC WATER LINES DROP TO BELOW MEZZANIE LEVEL FOR CONTINUATION TO FIXTURES.
14. COORDINATE ICE MAKER EXACT LOCATION WITH EXHAUST CAP FROM VENT HOOD, TO AVOID CONFLICTS. /1

STATE OF ARKANSAS — REGISTERED ENGINEER — No. 9419 — CHRISTOPHER BENLEY WHITE — 05-14-2025

Batson Inc. ENGINEERING SOLUTIONS
1300 Brookwood Drive
Little Rock Arkansas 72202
501-664-5311 www.batson.com

BATSON, INC. — No. 99 — CERTIFICATE OF AUTHORIZATION — STATE OF ARKANSAS

WDD ARCHITECTS

PROJECT TITLE

CRAIGHEAD ELECTRIC
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ELECTRICAL GENERAL NOTES

1. PRIOR TO BID, CONTRACTOR SHALL BECOME THOROUGHLY FAMILIAR WITH THE REQUIREMENTS OF THESE NOTES AS WELL AS OTHER NOTES SHOWN ON THE CONTRACT DOCUMENTS.
2. REFER TO SPECIFICATIONS. SPECIFICATIONS AND DRAWINGS ARE COMPLIMENTARY EXCEPT THAT, IN CASE OF CONFLICT, SPECIFICATIONS WILL GOVERN.
3. BY NECESSITY, THESE DRAWINGS REFLECT A SYSTEM DESIGNED AROUND SPECIFIC REFERENCE PRODUCTS (SEE SCHEDULES), THE SELECTION OF WHICH HAS IMPACTED THE DESIGNS OF OTHER TRADES (MECHANICAL, STRUCTURAL, ETC.). IF SUBSTITUTE MANUFACTURERS, SIZES, OR MODEL NUMBERS ARE SUBMITTED OR BID, IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR AND HIS SUBCONTRACTORS TO COORDINATE ALL DIFFERENCES PRIOR TO BID. NO EXTRAS WILL BE ALLOWED FOR CHANGES REQUIRED TO OTHER TRADES IF SUBSTITUTE EQUIPMENT IS BID OR INSTALLED AT THE CONTRACTORS OPTION.
4. COORDINATION OF ALL MODIFICATIONS TO EACH DISCIPLINE WHICH RESULT FROM SUBSTITUTION OF EQUIPMENT OR MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL PROPOSED SUBSTITUTIONS SHALL BE SUBMITTED FOR REVIEW. SUBSTITUTIONS WHICH ARE INSTALLED AND SUBSEQUENTLY ARE PROVEN UNSATISFACTORY BY OWNER AND/OR ENGINEER, WITHIN THE WARRANTY PERIOD, SHALL BE REMOVED COMPLETELY BY THE CONTRACTOR AND REPLACED WITH THE ORIGINAL DESIGN OR CORRECTED AS DIRECTED BY THE ENGINEER WITHOUT ADDITIONAL COST TO THE OWNER.
5. CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES; OBTAIN ALL PERMITS, AND PAY ALL GOVERNMENTAL TAXES, FEES AND OTHER COSTS IN CONNECTION WITH WORK; FILE ALL NECESSARY PLANS; PREPARE ALL DOCUMENTS AND OBTAIN ALL NECESSARY APPROVALS OF ALL GOVERNMENTAL DEPARTMENTS HAVING JURISDICTION AND OBTAIN REQUIRED CERTIFICATES OF INSPECTION.
6. CONTRACTOR SHALL INCLUDE IN THE WORK ALL LABOR, MATERIALS, SERVICES, APPARATUS, DRAWINGS, ETC. IN ORDER TO COMPLY WITH ALL LAWS, ORDINANCES, CODES, RULES, AND REGULATIONS OF LOCAL, STATE AND FEDERAL GOVERNMENTS, WHETHER OR NOT SHOWN ON THE DRAWINGS.
7. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL PROVIDE COMPLETE TIE-IN WITH UTILITY LINES AT NO EXTRA COST TO THE OWNER. THE CONTRACTOR SHALL PAY ALL COSTS REQUIRED BY UTILITY COMPANY PERTAINING TO CONSTRUCTION AND TIE-IN. DEPOSITS REQUIRED FOR PERMANENT SERVICE SHALL BE PAID BY THE OWNER.
8. ALL DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OR GEOMETRICAL RELATIONSHIPS OF EQUIPMENT AND SERVICES. THEY ARE NOT INTENDED TO SPECIFY OR SHOW EVERY COMPONENT, DEVICE OR OPTION. THE EQUIPMENT LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE FINAL LOCATIONS SHALL BE ESTABLISHED IN THE FIELD TO FIT THE AVAILABLE SPACE.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL ELECTRICAL WORK WITH THAT OF OTHER TRADES. EXACT LOCATIONS OF ALL EQUIPMENT SHALL BE COORDINATED WITH OTHER TRADES. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR BUILDING DETAILS AND DIMENSIONS.
10. INFORMATION AND COMPONENTS SHOWN ON RISER DIAGRAMS OR DETAILS, BUT NOT SHOWN ON PLANS, AND VICE VERSA, SHALL BE PROVIDED AS IF EXPRESSLY REQUIRED BY BOTH.
11. CONTRACTOR SHALL NOT SCALE DRAWINGS. DRAWINGS SPECIFIC TO THIS DISCIPLINE DO NOT LIMIT THE RESPONSIBILITY OF WORK REQUIRED BY THE CONTRACT DOCUMENTS.
12. UNLESS NOTED OTHERWISE, THE INDICATION AND/OR DESCRIPTION OF ANY ITEM IN THE DRAWINGS OR SPECIFICATIONS CARRIES WITH IT THE INSTRUCTION TO FURNISH AND INSTALL THE ITEM.
13. ROUGH-IN OR INSTALLATION OF OWNER FURNISHED EQUIPMENT SHALL NOT BEGIN UNTIL APPROVED EQUIPMENT DRAWINGS ARE OBTAINED FROM OWNER OR ARCHITECT. SEE ARCHITECTURAL SPECIFICATIONS OR DRAWINGS FOR LIST OF OWNER FURNISHED EQUIPMENT (WHERE APPLICABLE).
14. CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS, POWER REQUIREMENTS, ROUTING, CONDUCTOR SIZE, AND CONDUCTOR COUNT PRIOR TO ROUGH-IN.
15. COORDINATE FINAL HEIGHTS AND LOCATIONS OF ALL DEVICES WITH MILLWORK, FURNITURE OR OTHER EQUIPMENT.
16. ALL DEVICES LOCATED IN SAME GENERAL LOCATION ON THE SAME WALL SHALL BE GROUPED AND ALIGNED HORIZONTALLY OR VERTICALLY, AS NECESSARY.
17. GROUPED SWITCHES SHALL BE GANG MOUNTED.
18. COLOR AND TYPE OF DEVICE COVER PLATES TO BE SELECTED BY ARCHITECT.
19. COORDINATE FRAMES AND ACCESSORIES FOR FIXTURE MOUNTING WITH ARCHITECTURAL FINISH SCHEDULE.
20. REPLACE ALL ARCHITECTURAL FEATURES REMOVED OR DAMAGED DURING THE COURSE OF THE WORK.
21. SEAL ALL ROOF AND WALL PENETRATIONS. ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR FLASHING AND SEALING OF ALL ROOF PENETRATIONS. COORDINATE WITH GENERAL CONTRACTOR PRIOR TO BID FOR ALL REQUIRED FLASHINGS AT ROOF PENETRATIONS. MINIMUM HEIGHT OF FLASHING IS 8 IN. ABOVE ROOF.
22. SPECIAL CARE SHALL BE TAKEN ON THE ROOF TO PREVENT DAMAGE. ANY DAMAGE SHALL BE PROMPTLY REPAIRED AT NO EXPENSE TO THE OWNER.
23. SEAL ALL ELECTRICAL PENETRATIONS THROUGH RATED ASSEMBLIES, FIRE WALLS AND SMOKE WALLS. FIREPROOFING SEALANT SHALL BE UL APPROVED AND SHALL BE INSTALLED IN A MANNER THAT MAINTAINS THE RATING OF THE ASSEMBLY BEING PENETRATED.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	2X4 LAY-IN OR SURFACE-MOUNTED FIXTURE		QUADRAPLEX RECEPTACLE	F	FIRE ALARM HORN / STROBE DEVICE
	2X4 LAY-IN OR SURFACE-MOUNTED FIXTURE; SHADING INDICATES EMERGENCY FIXTURE		SPECIALTY RECEPTACLE	S	FIRE ALARM SPEAKER / STROBE DEVICE
	2X2 LAY-IN OR SURFACE-MOUNTED FIXTURE		FLOOR RECEPTACLE	F	FIRE ALARM STROBE DEVICE
	2X2 LAY-IN OR SURFACE-MOUNTED FIXTURE; SHADING INDICATES EMERGENCY FIXTURE		FLOOR BOX	F	CEILING-MOUNTED FIRE ALARM STROBE DEVICE
	SURFACE, STRIP OR PENDANT-MOUNTED FIXTURE		HOMERUN: HOT, NEUTRAL, GROUND	F_H	CEILING-MOUNTED FIRE ALARM HORN / STROBE DEVICE
	WALL-MOUNTED SURFACE OR STRIP FIXTURE		DISCONNECT SWITCH	F_S	CEILING-MOUNTED FIRE ALARM SPEAKER / STROBE DEVICE
	SURFACE-MOUNTED OR RECESSED CAN LIGHT FIXTURE		FUSED DISCONNECT SWITCH	$Z_{C,M,I}$	ZAM FIRE ALARM DEVICE: CONTROL, MONITOR, IAM
	WALL-MOUNTED SURFACE FIXTURE		COMBINATION STARTER / FUSED SWITCH	ML	MAGNETIC LOCK
	CEILING-MOUNTED EXIT LIGHT; SHADING INDICATES FACES CHEVRONS AS SHOWN ON PLANS		MOTOR STARTER	TS FS	FIRE ALARM TAMPER / FLOW SWITCHES
	WALL-MOUNTED EXIT LIGHT; SHADING INDICATES FACES CHEVRONS AS SHOWN ON PLANS	J	JUNCTION BOX (FLUSH MOUNTED)		SECURITY CAMERA
S	SINGLE-POLE SWITCH		PUSH-BUTTON	CR	CARD READER (BOX ONLY)
S_3	THREE-WAY SWITCH		TELEPHONE OUTLET	K	KEYPAD (BOX ONLY)
S_4	FOUR-WAY SWITCH	W	WALL-MOUNTED TELEPHONE OUTLET	P	PAGING SPEAKER
S_D	DIMMER SWITCH		DATA OUTLET	V	PAGING SPEAKER VOLUME CONTROL
S_O	WALL-MOUNTED OCCUPANCY SENSOR SWITCH		COMBINATION TELEPHONE / DATA OUTLET	a	INDICATES ABOVE COUNTER
S_{OD}	WALL-MOUNTED OCCUPANCY SENSOR DIMMING SWITCH	HDMI	HDMI OUTLET	GFI	INDICATES GROUND FAULT PROTECTION
S_{LV}	LOW VOLTAGE SWITCH	AP	WIRELESS ACCESS POINT	WR	INDICATES WEATHER RESISTANT
S_M	MANUAL MOTOR STARTER SWITCH	S	SMOKE DETECTOR	TR	INDICATES TAMPER RESISTANT
OS	CEILING-MOUNTED LOW VOLTAGE OCCUPANCY SENSOR	S_D	DUCT SMOKE DETECTOR	AFF	INDICATES ABOVE FINISH FLOOR
$OS_{120V/277V}$	CEILING-MOUNTED LINE VOLTAGE OCCUPANCY SENSOR	H	HEAT DETECTOR	AFG	INDICATES ABOVE FINISH GRADE
PP	OCCUPANCY SENSOR POWER PACK	CO	CARBON MONOXIDE DETECTOR	NS	INDICATES NON-SWITCHED
	SIMPLEX RECEPTACLE	D	DOOR HOLDER	ER	INDICATES EXISTING RELOCATED
	DUPLEX RECEPTACLE	F	FIRE ALARM PULL STATION	ETR	INDICATES EXISTING TO REMAIN

*** NOTE: NOT ALL SYMBOLS SHOWN IN LEGEND ARE APPLICABLE TO THIS PROJECT. ***

ELECTRICAL DRAWING INDEX

LIGHTING FIXTURE SCHEDULE

ID	MANUFACTURER	MODEL NO.	VOLTAGE	REQ'D LAMPS NUM.	REQ'D LAMPS TYPE	MOUNTING	DESCRIPTION
A	ZUMBOTEL	CR2-PF-L-42K-840-PC-VB-U-FINISH	120V	-	LED	PENDANT	PENDANT MOUNTED LED HIGH BAY FIXTURE
B	FLUXWERX	NT1-L-G1-B-D-40-E1-M-04	120V	-	LED	RECESSED	4FT LINEAR RECESSED LED FIXTURE
BE	FLUXWERX	NT1-L-G1-B-D-40-E1-M-04-B1	120V	-	LED	RECESSED	4FT LINEAR RECESSED LED FIXTURE W/ EMERGENCY BATTERY BACKUP
B1	FLUXWERX	NT1-L-G1-B-D-40-E1-M-06	120V	-	LED	RECESSED	6FT LINEAR RECESSED LED FIXTURE
B2	FLUXWERX	NT1-L-G1-B-D-40-E1-M-10	120V	-	LED	RECESSED	10FT LINEAR RECESSED LED FIXTURE
C	LA LIGHTING	CIT100-4-4L-DRFA-WL-SSL-DRDM-UNV-1-840	120V	-	LED	SURFACE/WALL	4FT VAPOR-TIGHT STRIP FIXTURE 4000 LUMEN
CE	LA LIGHTING	CIT100-4-4L-DRFA-WL-SSL-BPLSL1.5-DRDM-UNV-1-840	120V	-	LED	SURFACE/WALL	4FT VAPOR-TIGHT STRIP FIXTURE W/ EMERGENCY BATTERY BACKUP
C1	LA LIGHTING	CIT100-6-4L-DRFA-WL-SSL-DRDM-UNV-1-840	120V	-	LED	SURFACE/WALL	4FT VAPOR-TIGHT STRIP FIXTURE; 6000 LUMEN
D	KURTZON LIGHTING	WL-SEG-1540-3HI-840-FP-UNV-DIM1-MOUNTING	120V	-	LED	PENDANT	PENDANT MOUNTED LED WET LOCATION VAPOR-TIGHT FIXTURE
F	ALPHABET LIGHTING	NU2RD-SW-10LM-40K-80-55D-DL-FINISH-RET-UNV-DIM10	120V	-	LED	RECESSED	2" ROUND RECESSED LED ACCENT LIGHT
G	LA LIGHTING	STW100-6-4L-FRWA-DRDM-UNV-1-840-VHOOK	120V	-	LED	PENDANT	4FT LENSED LED STRIP FIXTURE
GE	LA LIGHTING	STW100-6-4L-FRWA-BPLSL1.5-DRDM-UNV-1-840-VHOOK	120V	-	LED	PENDANT	4FT LENSED LED STRIP FIXTURE W/ EMERGENCY BATTERY BACKUP
G1	LA LIGHTING	STW100-4.5-3L-FRWA-DRDM-UNV-1-840-VHOOK	120V	-	LED	PENDANT	3FT LENSED LED STRIP FIXTURE
H	ALPHABET LIGHTING	NU4RD-SW-20LM-40-80-65D-SBL-FINISH-FINISH-RET-UNV-DIM10	120V	-	LED	RECESSED	4" ROUND RECESSED LED CAN LIGHT
HE	ALPHABET LIGHTING	NU4RD-SW-20LM-40-80-65D-SBL-FINISH-FINISH-RET-UNV-DIM10-EM7ITS	120V	-	LED	RECESSED	4" ROUND RECESSED LED CAN LIGHT W/ EMERGENCY BATTERY BACKUP W/ INTEGRAL TEST SWITCH
J	AXIS LIGHTING	TB2WDLED-300-80-40-SO-4-FINISH-UNV-DP-1	120V	-	LED	WALL	4FT DIRECT WALL-MOUNTED LED LIGHT
J1	AXIS LIGHTING	TB2WDLED-300-80-40-SO-5-FINISH-UNV-DP-1	120V	-	LED	WALL	5FT DIRECT WALL-MOUNTED LED LIGHT
J2	AXIS LIGHTING	TB2WDLED-300-80-40-SO-S(6)-FINISH-UNV-DP-1	120V	-	LED	WALL	6FT DIRECT WALL-MOUNTED LED LIGHT
J3	AXIS LIGHTING	TB2WDLED-300-80-40-SO-S(7)-FINISH-UNV-DP-1	120V	-	LED	WALL	7FT DIRECT WALL-MOUNTED LED LIGHT
V	QTL LIGHTING	Q-LINK-SST-DRY-40-DF-FINISH-12	120V	-	LED	UNDERCABINET	12" LINE VOLTAGE LED UNDERCABINET FIXTURE
V1	QTL LIGHTING	Q-LINK-SST-DRY-40-DF-FINISH-24	120V	-	LED	UNDERCABINET	24" LINE VOLTAGE LED UNDERCABINET FIXTURE
W	EVENLITE	TEBL6-FINISH-SD	120V	-	LED	WALL	LED HIGH OUTPUT EMERGENCY EGRESS LIGHTING UNIT
W1	EVENLITE	TEBL6-FINISH-SD-VRWP	120V	-	LED	WALL	LED HIGH OUTPUT EMERGENCY EGRESS LIGHTING UNIT W/ WET LOCATION COVER
X	EVENLITE	SOVII-EM-COLOR-1M-FINISH-SU-UC-SD	120V	-	LED	SURFACE UNIVERSAL	EDGE LIT EXIT LIGHT - SINGLE FACE - CHEVRONS AS SHOWN ON PLANS
XWT	EVENLITE	TWLCOM-COLOR-1-FINISH	120V	-	LED	UNIVERSAL	WET LOCATION RATED COMBINATION EXIT/EMERGENCY LIGHT - SINGLE FACE - CHEVRONS AS SHOWN ON PLANS
XS	EVENLITE	TDCOM-COLOR-U-FINISH	120V	-	LED	UNIVERSAL	COMBINATION EXIT/EMERGENCY LIGHT - SINGLE FACE - CHEVRONS AS SHOWN ON PLANS
Z	EVENLITE	WW-EM-FINISH	120V	-	LED	WALL	EXTERIOR EGRESS EMERGENCY LIGHT
AA	DURAGUARD	WPC45Q-D-1X174-U-4K-C-FINISH	120V	-	LED	WALL	EXTERIOR WALL-MOUNTED AREA LIGHT
BB	DURAGUARD	WPC44Q-D-1X37-U-4K-C-FINISH	120V	-	LED	WALL	EXTERIOR WALL-MOUNTED AREA LIGHT - SMALL HOUSING
BBE	DURAGUARD	WPC44Q-D-1X37-U-4K-C-FINISH-BU	120V	-	LED	WALL	EXTERIOR WALL-MOUNTED AREA LIGHT - SMALL HOUSING W/ EMERGENCY BATTERY BACKUP

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WDD ARCHITECTS

PROJECT TITLE

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

CONTENTS

ELECTRICAL NOTES, LEGEND, & INDEX

REVISIONS

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1

24-096
JOB. NO.

02.14.2025
DATE

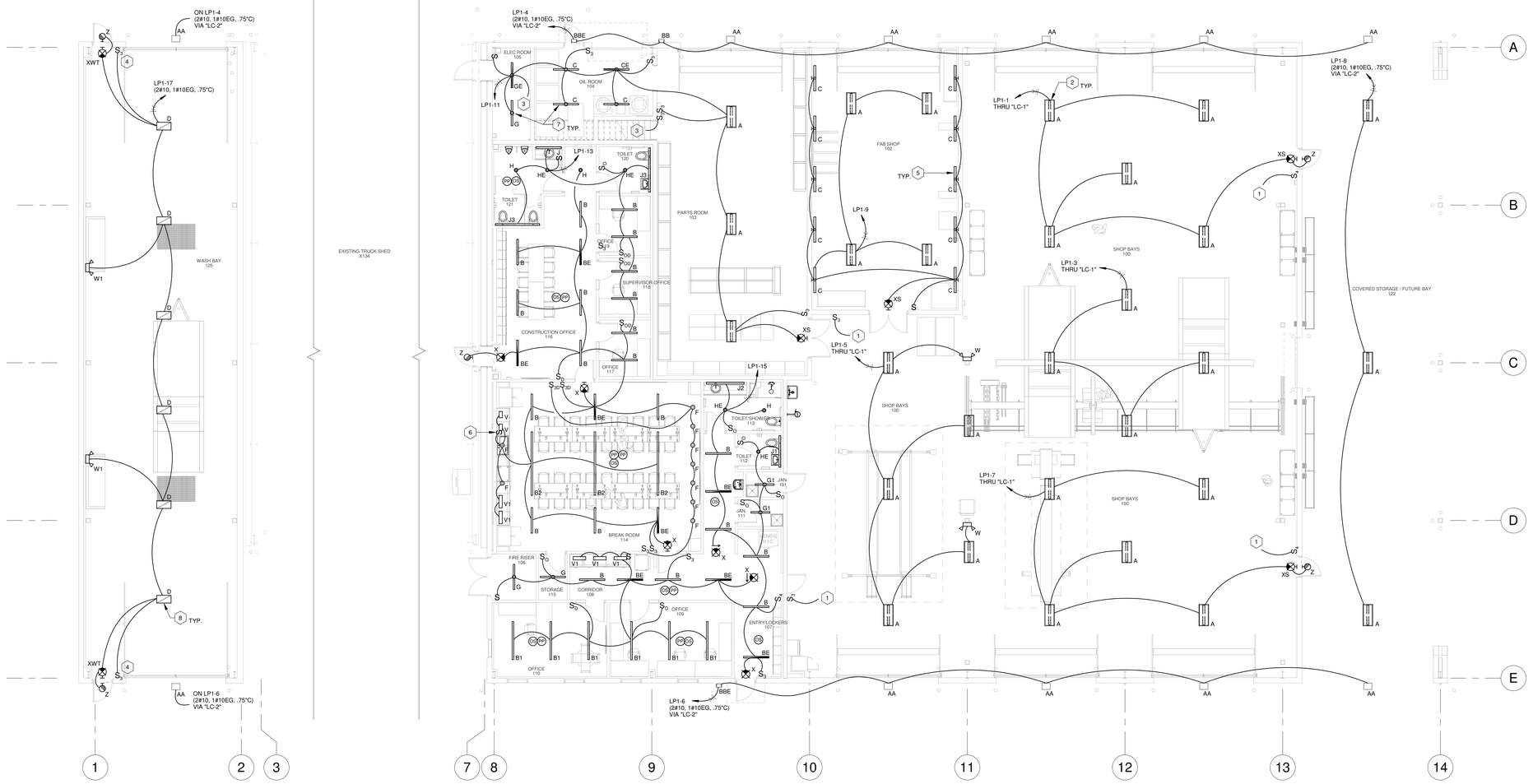
ISSUE SET

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 13433 CHRIS W. MANN 02.14.2025

Batson Inc.
ENGINEERING SOLUTIONS
1300 Brookwood Drive
Little Rock Arkansas 72202
501-664-3311 www.batson.com

CERTIFICATE OF AUTHORIZATION BATSON INC. No. 99 ARKANSAS ENGINEER

SHEET
E001



GENERAL ELECTRICAL NOTES

1. ALL EXIT LIGHTS AND BATTERY BACKUP FOR EMERGENCY FIXTURES SHALL BE CIRCUITED WITH AN UN-SWITCHED HOT.
2. COORDINATE FINAL LOCATIONS AND MOUNTING HEIGHTS OF FIXTURES WITH ARCHITECT PRIOR TO BEGINNING ROUGH-IN.
3. ALL CONDUIT, WIRING AND ELECTRICAL CONNECTIONS IN WASH BAY SHALL BE WATERTIGHT.
4. ALL CONDUIT INSTALLED ACROSS EXISTING TRUCK SHED SHALL BE ROUTED AS HIGH AS POSSIBLE. COORDINATE ROUTING WITH EXISTING STRUCTURE AND UTILITIES.

KEYED ELECTRICAL NOTES

1. TO LIGHTING CONTACTOR "LC-1" FOR SWITCHING OF SHOP BAY FIXTURES.
2. MOUNT TYPE "A" LIGHTING FIXTURES AT 28'-0" ABOVE FINISH FLOOR TO BOTTOM OF FIXTURE. TYPICAL ALL FIXTURES IN SHOP BAY, FAB SHOP, AND PARTS ROOM.
3. UP TO MEZZANINE STRIP FIXTURES. SEE SHEET E302 FOR CONTINUATION.
4. INSTALL SWITCHES THIS ROOM WITH FLIP-COVER TYPE COVER PLATES.
5. WALL MOUNT FIXTURES AT 9'-0" ABOVE FINISH FLOOR TO CENTERLINE OF FIXTURE.
6. GANG DISPOSAL AND UNDERCABINET LIGHTING SWITCH TOGETHER. UNDERCABINET LIGHTING SWITCH SHALL BE INSTALLED CLOSEST TO SINK.
7. MOUNT FIXTURES AT 9'-0" ABOVE FINISH FLOOR TO BOTTOM OF FIXTURES.
8. MOUNT FIXTURES AT 20'-0" ABOVE FINISH FLOOR TO BOTTOM OF FIXTURES.

1 E201 ELECTRICAL LIGHTING PLAN

1/8" = 1'-0"

1 NOTE:
FLOOR PLAN UPDATED TO REFLECT ARCHITECTURAL CHANGES. ISSUED FOR CONSISTENCY.

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 19133 CHRIS W. MANN 02.14.2025

Batson Inc. ENGINEERING SOLUTIONS
1300 Brookwood Drive
Little Rock Arkansas 72202
501-664-3311 www.batson.com

BATSON, INC. No. 99 CERTIFICATE OF AUTHORIZATION ARKANSAS PROFESSIONAL ENGINEERING

WDD ARCHITECTS

PROJECT TITLE
CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

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ELECTRICAL LIGHTING PLAN

REVISIONS

24-096
JOB. NO.
02.14.2025
DATE
ISSUE SET

SHEET
E201

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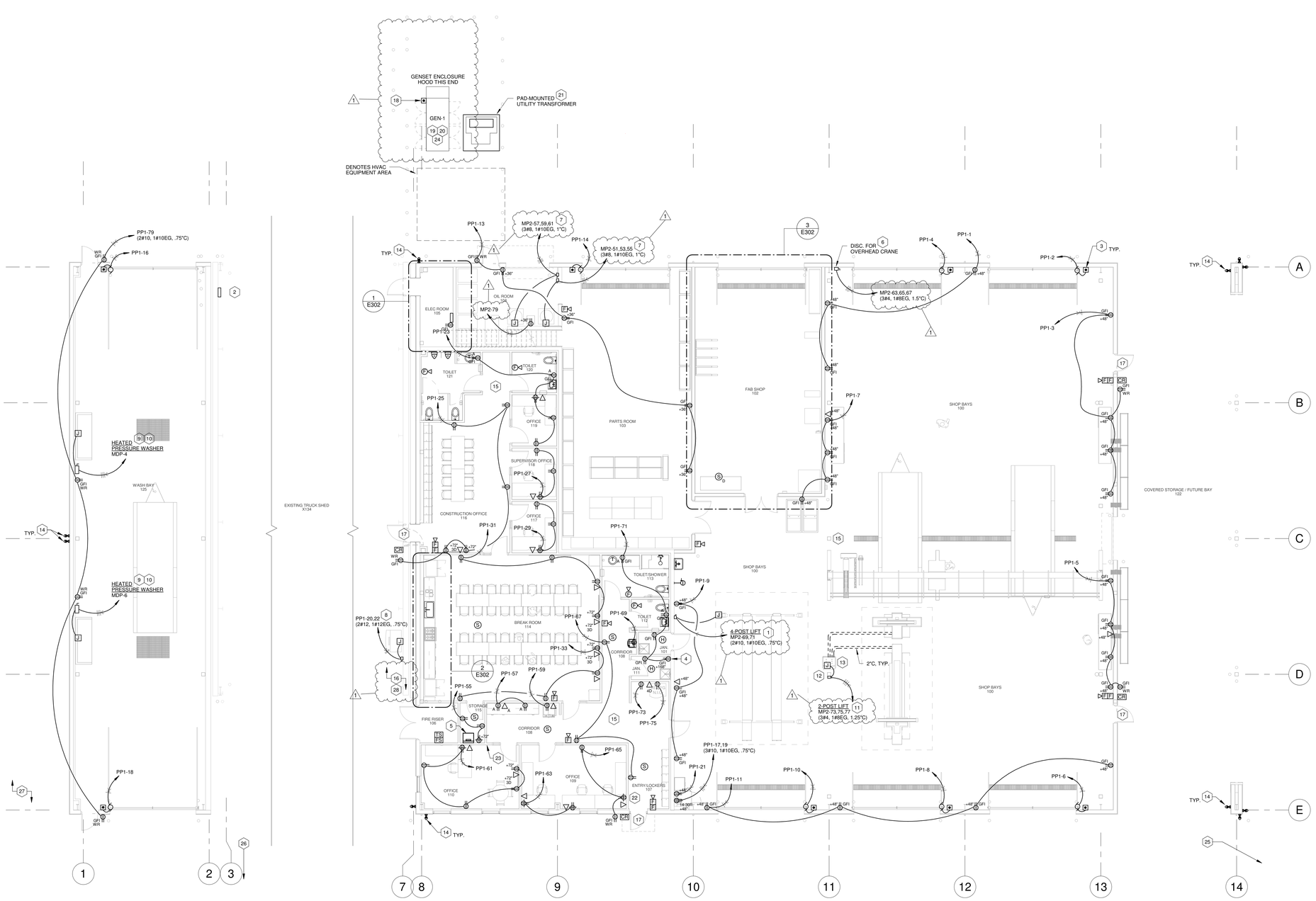


1 E301 **ELECTRICAL POWER & SYSTEMS PLAN**

1/8" = 1'-0"

GENERAL ELECTRICAL NOTES

1. VERIFY EXACT LOCATIONS OF ALL EQUIPMENT PRIOR TO BEGINNING ROUGH-IN AND PLACEMENT OF WIRING DEVICES, DISCONNECTS, ETC.
2. ALL CONDUIT, WIRING AND ELECTRICAL CONNECTIONS IN WASH BAY SHALL BE WATERTIGHT.
3. ALL CONDUIT INSTALLED ACROSS EXISTING TRUCK SHED SHALL BE ROUTED AS HIGH AS POSSIBLE. COORDINATE ROUTING WITH EXISTING STRUCTURE AND UTILITIES.
4. ALL WIRING DEVICES NOTED AS 'ABOVE COUNTER' WITH AN 'A' DESIGNATION AND ARE AT LOCATIONS WITH A BACKSPLASH SHALL BE INSTALLED AT 48" ABOVE FINISH FLOOR TO CENTERLINE OF THE BACK BOX.
5. ALL WIRING DEVICES INSTALLED IN SHOP BAYS, PARTS & OIL ROOMS AND FAB SHOP SHALL BE INSTALLED WITH STAINLESS STEEL COVER PLATES.

KEYED ELECTRICAL NOTES

1. PROVIDE AND INSTALL NEMA 1 NON-FUSIBLE DISCONNECT RATED 240V/30A/3P.
2. APPROXIMATE LOCATION OF EXISTING TRUCK SHED PANELBOARD. RE-FEED PANELBOARD FROM NEW TRANSFORMER "TTS". REFER TO ONE-LINE DIAGRAM.
3. PROVIDE AND INSTALL ALL CONDUIT AND WIRING BETWEEN DOOR OPERATOR AND DOOR CONTROLLER. VERIFY EXACT MOUNTING LOCATION OF DOOR OPERATOR WITH DOOR INSTALLER PRIOR TO BEGINNING ROUGH-IN.
4. OUTLET FOR RECIRCULATION PUMP. COORDINATE EXACT OUTLET HEIGHT WITH PLUMBING CONTRACTOR. MOUNT OUTLET WITHIN 6'-0" OF PUMP.
5. PROVIDE AND INSTALL WALL-MOUNTED 12U NETWORK RACK.
6. PROVIDE AND INSTALL NEMA 1 NON-FUSIBLE DISCONNECT RATED 240V/100A/3P. STUB UP CONDUIT AND WIRING UP WALL NEAR OVERHEAD CRANE BUS BARS. COORDINATE WITH OVERHEAD CRANE INSTALLER FOR EXACT STUB LOCATION AND AMOUNT OF EXTRA SLACK NEEDED TO MAKE CONNECTIONS. OVERHEAD CRANE INSTALLER TO MAKE CONNECTIONS TO CRANE BUS BARS.
7. PROVIDE AND INSTALL NEMA 1 NON-FUSIBLE DISCONNECT RATED 240V/60A/3P.
8. PROVIDE AND INSTALL NEMA 3R NON-FUSIBLE DISCONNECT RATED 240V/30A/2P.
9. PROVIDE AND INSTALL NEMA 4X NON-FUSIBLE DISCONNECT RATED 240V/200A/3P.
10. REFER TO ONE-LINE DIAGRAM FOR FEEDER REQUIREMENTS.
11. PROVIDE AND INSTALL NEMA 1 NON-FUSIBLE DISCONNECT RATED 240V/100A/3P.
12. MOUNT DISCONNECT TO COLUMN AND ROUTE WIRING UNDERGROUND OVER TO 2-POST LIFT POWER UNIT. INSTALL SEAL-OFFS IN CONDUIT AS REQUIRED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
13. COORDINATE WITH OWNER'S EQUIPMENT INSTALLER TO PROVIDE AND INSTALL 2"C IN SLAB FROM LIFT POWER UNIT TO LIFT. INSTALL SEAL-OFFS IN CONDUIT ENTERING POWER UNIT AS REQUIRED BY MANUFACTURER'S INSTALLATION INSTRUCTIONS. VERIFY EXACT CONDUIT ROUTING AND CONNECTION LOCATIONS PRIOR TO BEGINNING ROUGH-IN.
14. SECURITY CAMERA ROUGH-IN: PROVIDE AND INSTALL 2-GANG BACK BOX WITH (2) CAT 6 CABLES IN EACH BOX. VERIFY MOUNTING HEIGHTS OF ALL CAMERAS PRIOR TO BEGINNING ROUGH-IN. ROUTE CAT 6 CABLES BACK TO STORAGE 115.
15. PROVIDE AND INSTALL (2) CAT 6 CABLES AT THIS APPROXIMATE LOCATION FOR WIRELESS ACCESS POINT.
16. PROVIDE AND INSTALL (1) 4"C FROM STORAGE ROOM 115 OVERHEAD TO THIS APPROXIMATE LOCATION FOR FIBER OPTIC CABLING (BY OWNER). VERIFY EXACT STUB LOCATION AND HEIGHT WITH OWNER PRIOR TO BEGINNING ROUGH-IN.
17. SECURE DOOR REQUIRING ACCESS CONTROLS. REFER TO TYPICAL DOOR ACCESS CONTROL DETAIL FOR ADDITIONAL REQUIREMENTS.
18. PROVIDE AND INSTALL GENERATOR EPO PUSHBUTTON WITH PADLOCK SHROUD IDEM SAFETY SWITCH #ES-SS(P) IN STAINLESS STEEL. CONNECT TO GENERATOR AS REQUIRED. INSURE PUSHBUTTON IS INSTALLED SO IT DOES NOT INTERFERE WITH ANY CLEARANCE OR ACCESS PANEL REQUIREMENTS. LABEL PUSHBUTTON "GENERATOR EMERGENCY SHUTDOWN AND DISCONNECTING MEANS".
19. DIESEL GENERATOR. REFER TO ONE-LINE DIAGRAM FOR REQUIREMENTS. FILL GENERATOR TANK FULL WITH DIESEL FUEL AT THE COMPLETION OF THE PROJECT.
20. PROVIDE (2) 1"C BETWEEN GENERATOR AND ATS FOR CONTROLS. VERIFY QUANTITY AND SIZES OF CONDUCTORS WITH GENERATOR MANUFACTURER.
21. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING TRANSFORMER PAD AND ALL SECONDARY CONDUIT AND WIRING. COORDINATE PAD REQUIREMENTS AND FINAL PLACEMENT OF TRANSFORMER WITH CECG.
22. APPROXIMATE LOCATION OF FIRE ALARM ANNUNCIATOR PANEL. CONFIRM LOCATION WITH OWNER PRIOR TO BEGINNING ROUGH-IN.
23. APPROXIMATE LOCATION OF GENERATOR ANNUNCIATOR PANEL. CONFIRM LOCATION WITH OWNER PRIOR TO BEGINNING ROUGH-IN. INSTALL CONTROL WIRING BETWEEN ANNUNCIATOR AND TRANSFER SWITCH IN 3/4"C AS REQUIRED. CONFIRM WIRING SIZES AND QUANTITIES WITH GENERATOR MANUFACTURER.
24. GENERATOR BATTERY CHARGER AND BLOCK HEATER CIRCUITS. CONNECT BATTERY CHARGER TO "EQ1-7" AND BLOCK HEATER TO "EQ1-9". VERIFY STUB UP LOCATION.
25. PROVIDE AND INSTALL (2) 1"C (POWER/COMMUNICATIONS) FOR SOUTH GATE ENTRY. REFER TO ARCHITECTURAL SITE PLAN FOR GATE LOCATION. CONNECT GATE OPERATOR TO "PP1-26" AND ROUTE (2#6, 1 #6EG, 1"C). STUB UP COMMUNICATIONS CONDUIT IN STORAGE 115.
26. PROVIDE AND INSTALL (1) 1.25"C (POWER) AND (1) 1"C (COMMUNICATIONS) FOR WEST GATE ENTRY. REFER TO ARCHITECTURAL SITE PLAN FOR GATE LOCATION. CONNECT GATE OPERATOR TO "PP1-28" AND ROUTE (2#4, 1#4EG, 1.25"C). STUB UP COMMUNICATIONS CONDUIT IN STORAGE 115.
27. GRINDER STATION. REFER TO CIVIL PLAN FOR EXACT LOCATION. CONNECT GRINDER STATION CONTROL PANEL TO "MP2-50,52". INSTALL SEAL-OFFS AT GRINDER STATION CONTROL PANEL. ROUTE (3#10, 1#10EG, 1"C) FROM PANELBOARD TO CONTROL PANEL. VERIFY EXACT LOCATION OF CONTROL PANEL WITH INSTALLING CONTRACTOR.
28. RELOCATE EXISTING FIBER OPTIC CONDUIT STUB-UP AS REQUIRED TO ACCOMODATE NEW FIRE WALL IN EXISTING TRUCK SHED. VERIFY EXACT STUB-UP LOCATION AND VERIFY NEW LOCATION WITH OWNER.

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER CHRIS W. MASS No. 17433 EXP. 6-30-2025

Batson Inc. ENGINEERING SOLUTIONS
1300 Brookwood Drive
Little Rock Arkansas 72202
501-664-3311 www.batson.com

BATSON, INC. No. 99 CERTIFICATE OF AUTHORIZATION

WDD ARCHITECTS

PROJECT TITLE
CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

CONTENTS

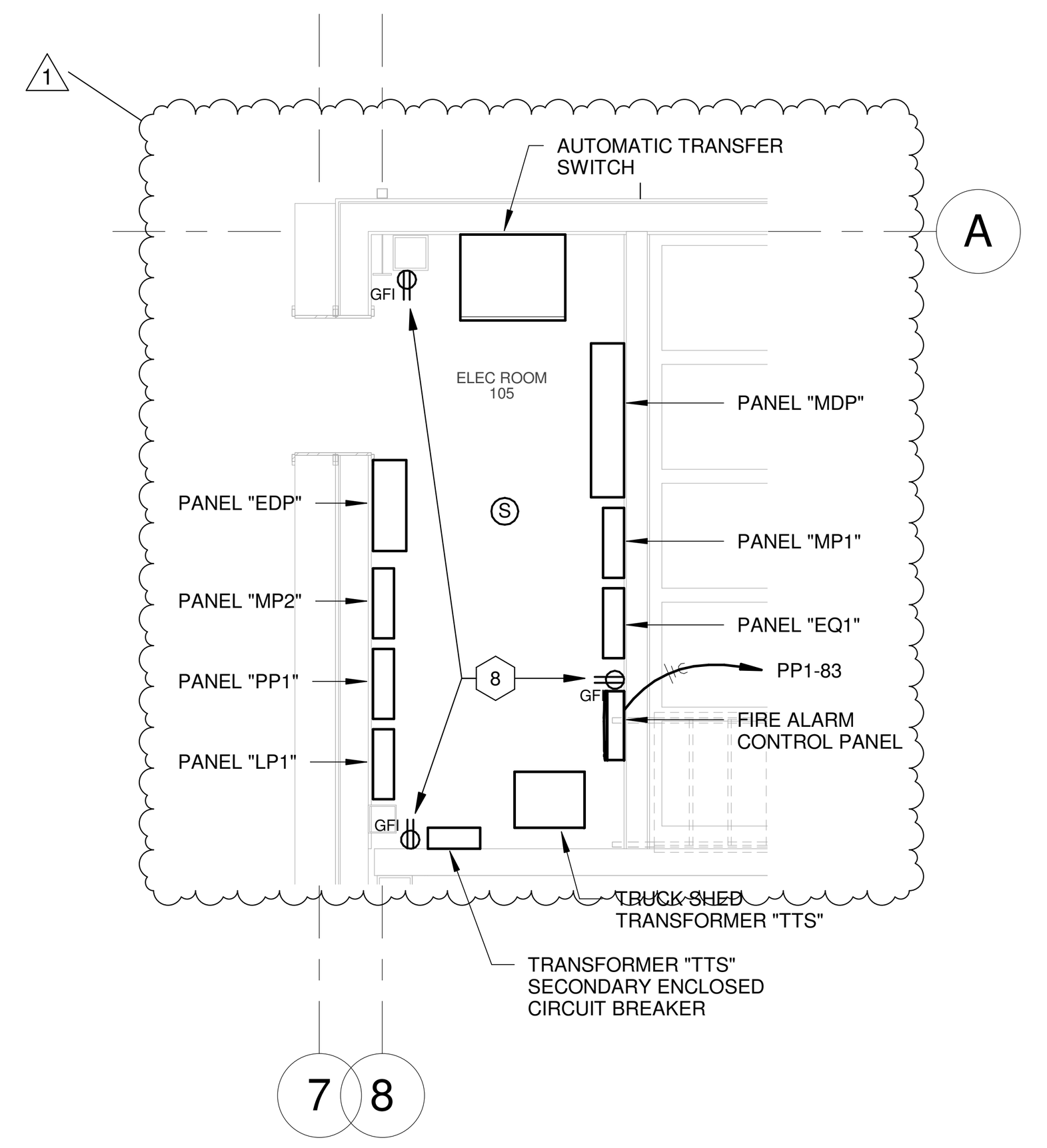
REVISIONS

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1

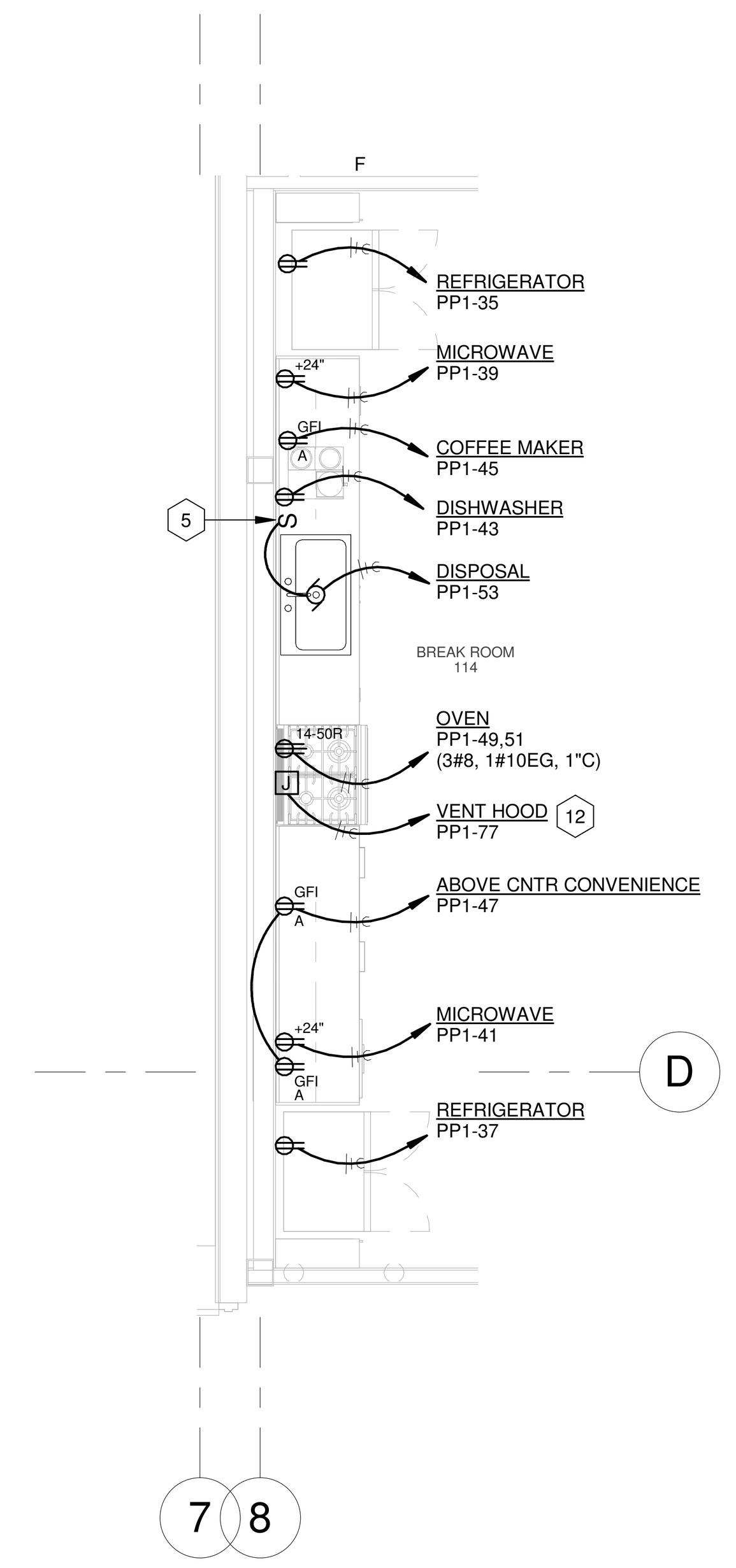
SHEET
ELECTRICAL POWER & SYSTEMS PLAN

24-096
JOB. NO.
02.14.2025
DATE
ISSUE SET

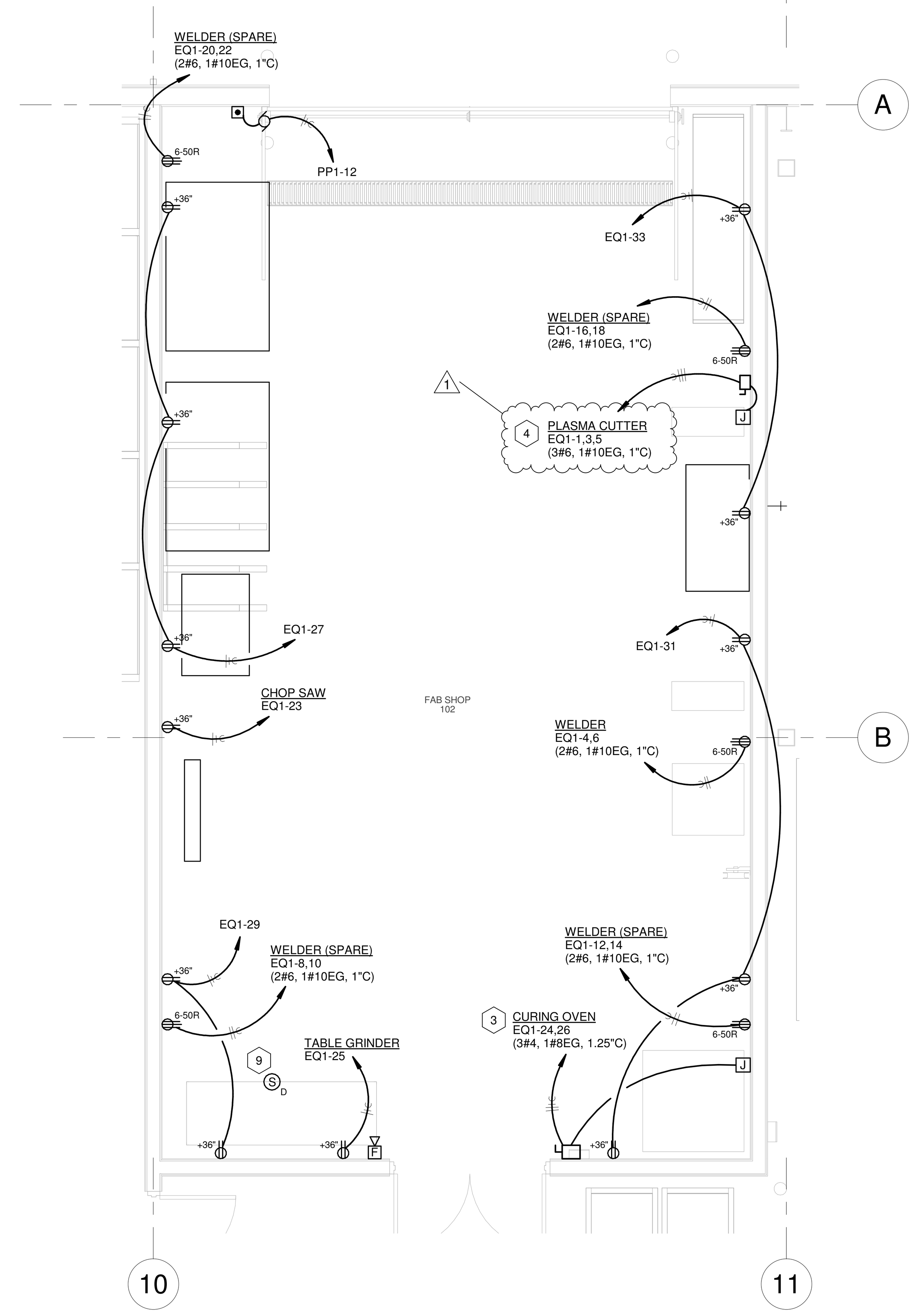
E301



1 E302 **ENLARGED ELECTRICAL ROOM**
1/4" = 1'-0"



2 E302 **BREAK ROOM ENLARGED PLAN**
1/4" = 1'-0"



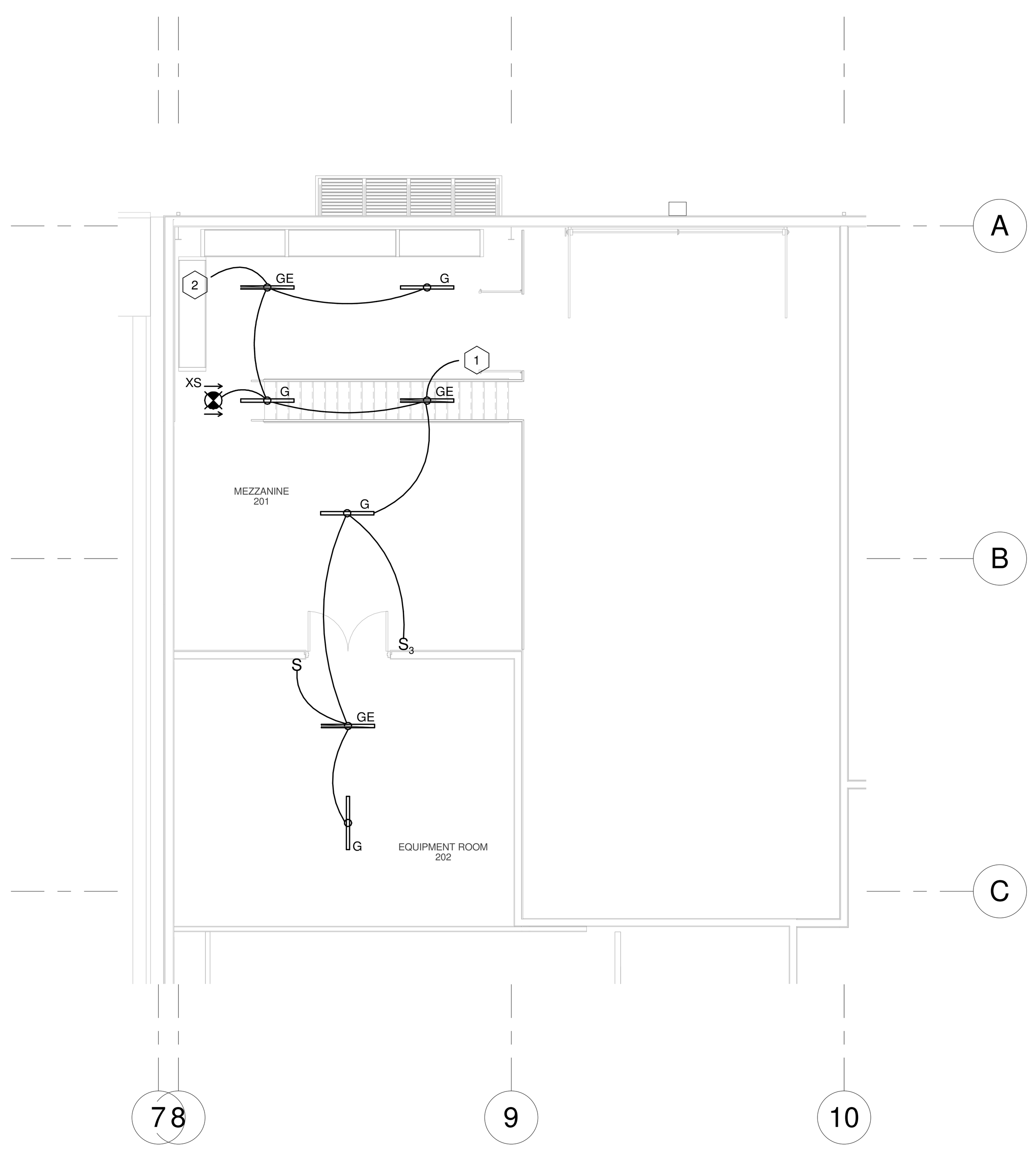
3 E302 **FAB SHOP ENLARGED PLAN**
1/4" = 1'-0"

GENERAL ELECTRICAL NOTES

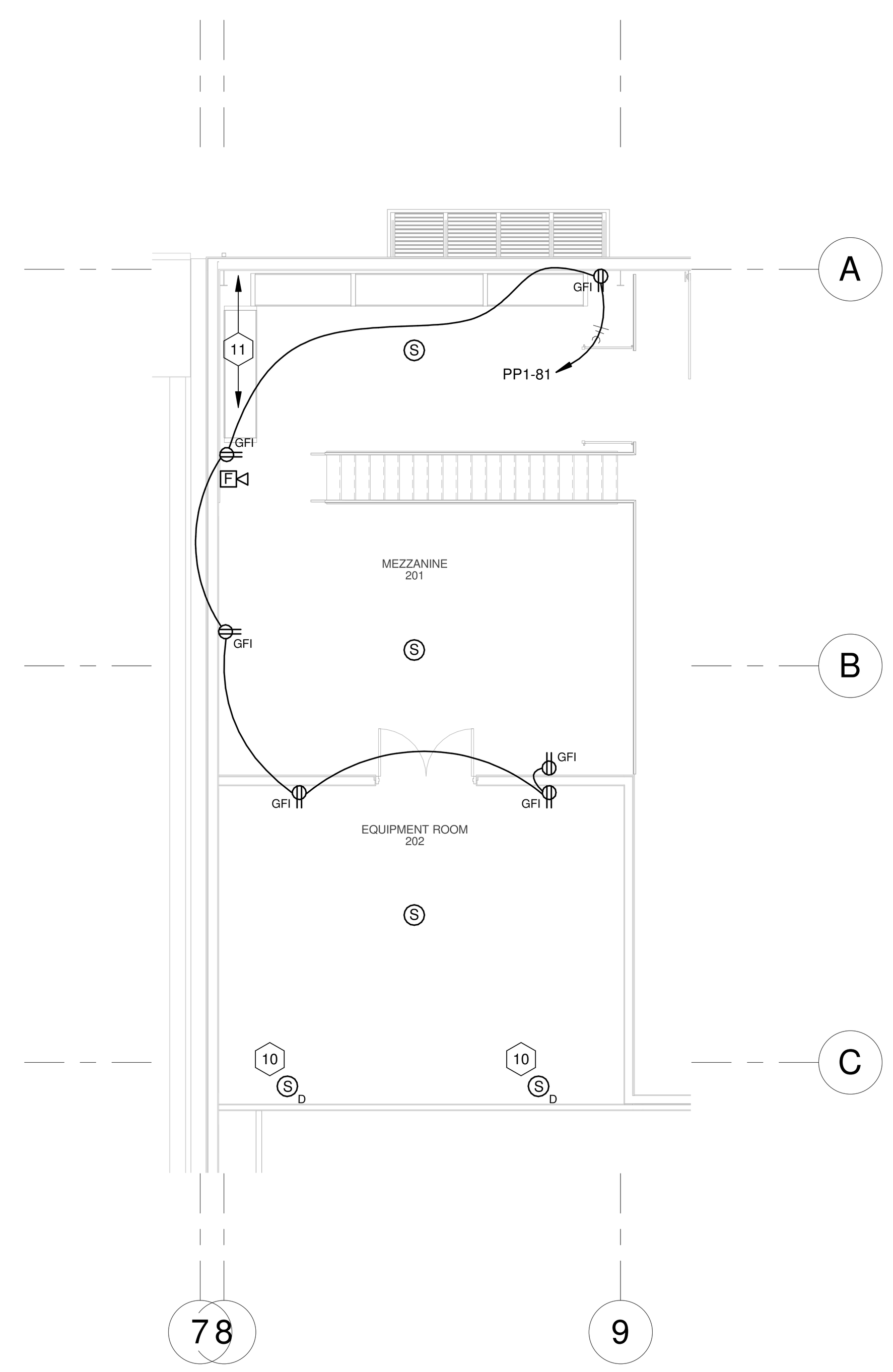
1. ALL EXIT LIGHTS AND BATTERY BACKUP FOR EMERGENCY FIXTURES SHALL BE CIRCUITED WITH AN UNSWITCHED HOT.
2. COORDINATE AND VERIFY EXACT LOCATIONS OF ALL EQUIPMENT PRIOR TO BEGINNGING ROUGH-IN AND MOUNTING DISCONNECT/RECEPTACLES.
3. ALL WIRING DEVICES INSTALLED IN FAB SHOP SHALL BE INSTALLED WITH STAINLESS STEEL COVER PLATES.

KEYED ELECTRICAL NOTES

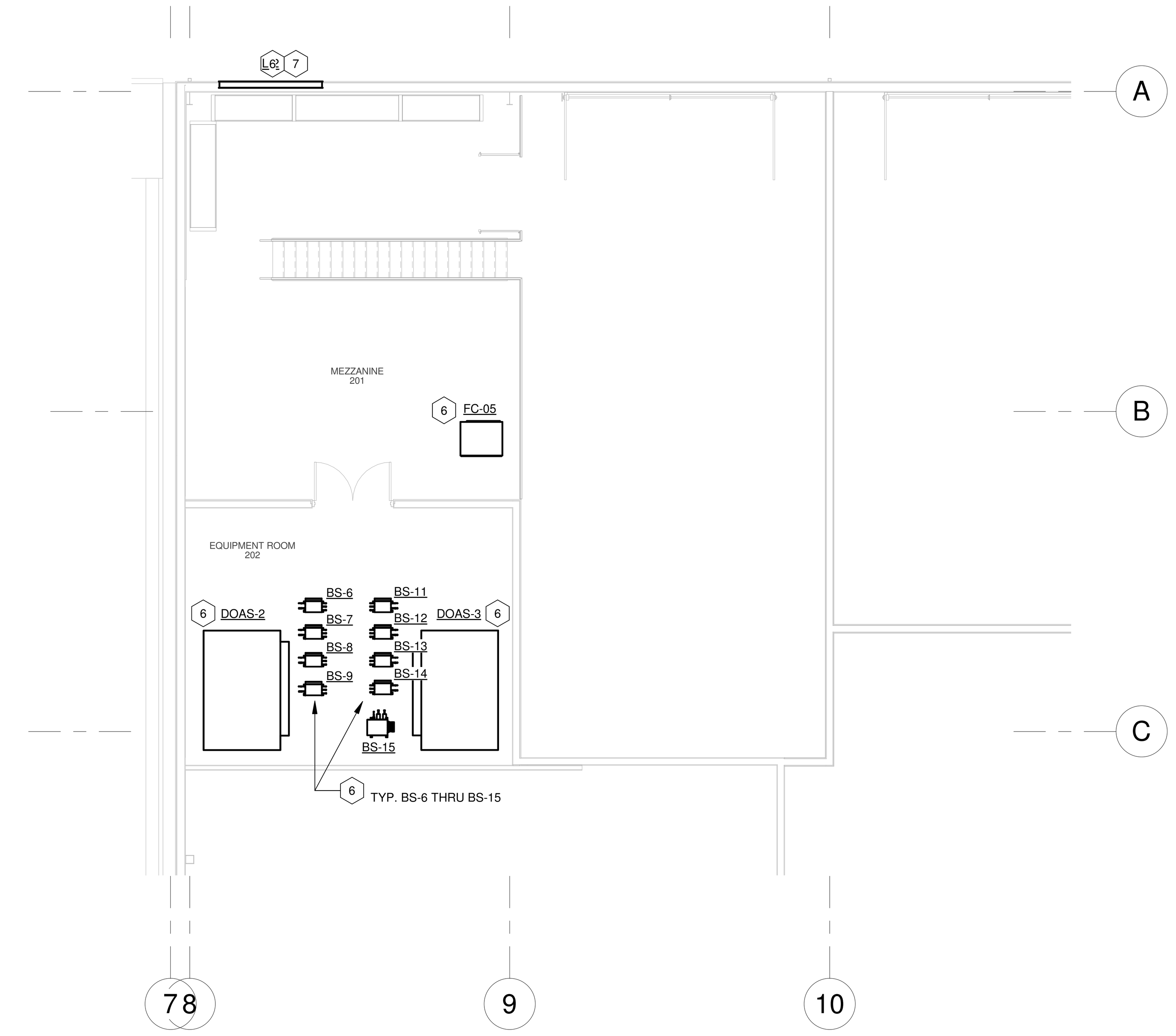
1. CIRCUITING CONTINUED FROM SWITCH IN PARTS ROOM. REFER TO LIGHTING PLAN ON SHEET E201.
2. CONNECT TO CIRCUIT "LP1-11" IN ELECTRICAL ROOM BELOW. REFER TO LIGHTING PLAN ON SHEET E201.
3. PROVIDE AND INSTALL NEMA 1 NON-FUSIBLE DISCONNECT RATED 240V/100A/2P.
4. PROVIDE AND INSTALL NEMA 1 NON-FUSIBLE DISCONNECT RATED 240V/60A/3P.
5. GANG DISPOSAL AND UNDERCABINET LIGHTING SWITCH TOGETHER. DISPOSAL SWITCH SHALL BE INSTALLED FARTHEST FROM SINK.
6. REFER TO MECHANICAL EQUIPMENT CIRCUIT SCHEDULE THIS SHEET FOR CIRCUITING REQUIREMENTS. DISCONNECTS SHALL BE MOUNTED SO THEY DO NOT INTERFERE WITH EQUIPMENT ACCESS OR CLEARANCE SPACE.
7. INTERLOCK LOUVER L-2 WITH DOAS-1 & DOAS-2 SO LOUVER IS OPEN WHEN UNITS ARE RUNNING. COORDINATE WITH MECHANICAL CONTRACTOR FOR ALL REQUIREMENTS.
8. CONNECT RECEPTACLE TO "PP1-15".
9. DUCT SMOKE DETECTOR FOR FCU-9. CONNECT TO FIRE ALARM SYSTEM. DETECTOR IS PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR.
10. DUCT SMOKE DETECTORS FOR DOAS-2 & DOAS-3. CONNECT TO FIRE ALARM SYSTEM. DETECTORS ARE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR.
11. KEEP ALL CONDUIT PENETRATIONS FOR OVERHEAD CIRCUITS ALONG EXTERIOR WALL AS MUCH AS POSSIBLE . CLOSELY COORDINATE AND LAYOUT AREAS OF CONDUIT PENETRATION WITH GENERAL CONTRACTOR PRIOR TO BEGINNING WORK.
12. CONNECT HOOD FIRE SUPPRESSION SYSTEM TO FIRE ALARM SYSTEM AS REQUIRED.



4 E302 **MEZZANINE LIGHTING PLAN**
1/8" = 1'-0"



5 E302 **MEZZANINE POWER PLAN**
1/8" = 1'-0"



6 E302 **MEZZANINE HVAC EQUIPMENT POWER PLAN**
1/8" = 1'-0"

Batson Inc.
ENGINEERING SOLUTIONS
1300 Brookwood Drive
Little Rock Arkansas 72202
501-664-2011 www.batson.com

WDD ARCHITECTS

PROJECT TITLE
CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

CONTENTS
ELECTRICAL MEZZANINE AND ENLARGED PLANS

REVISIONS

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1

24-096
JOB. NO.

02.14.2025
DATE

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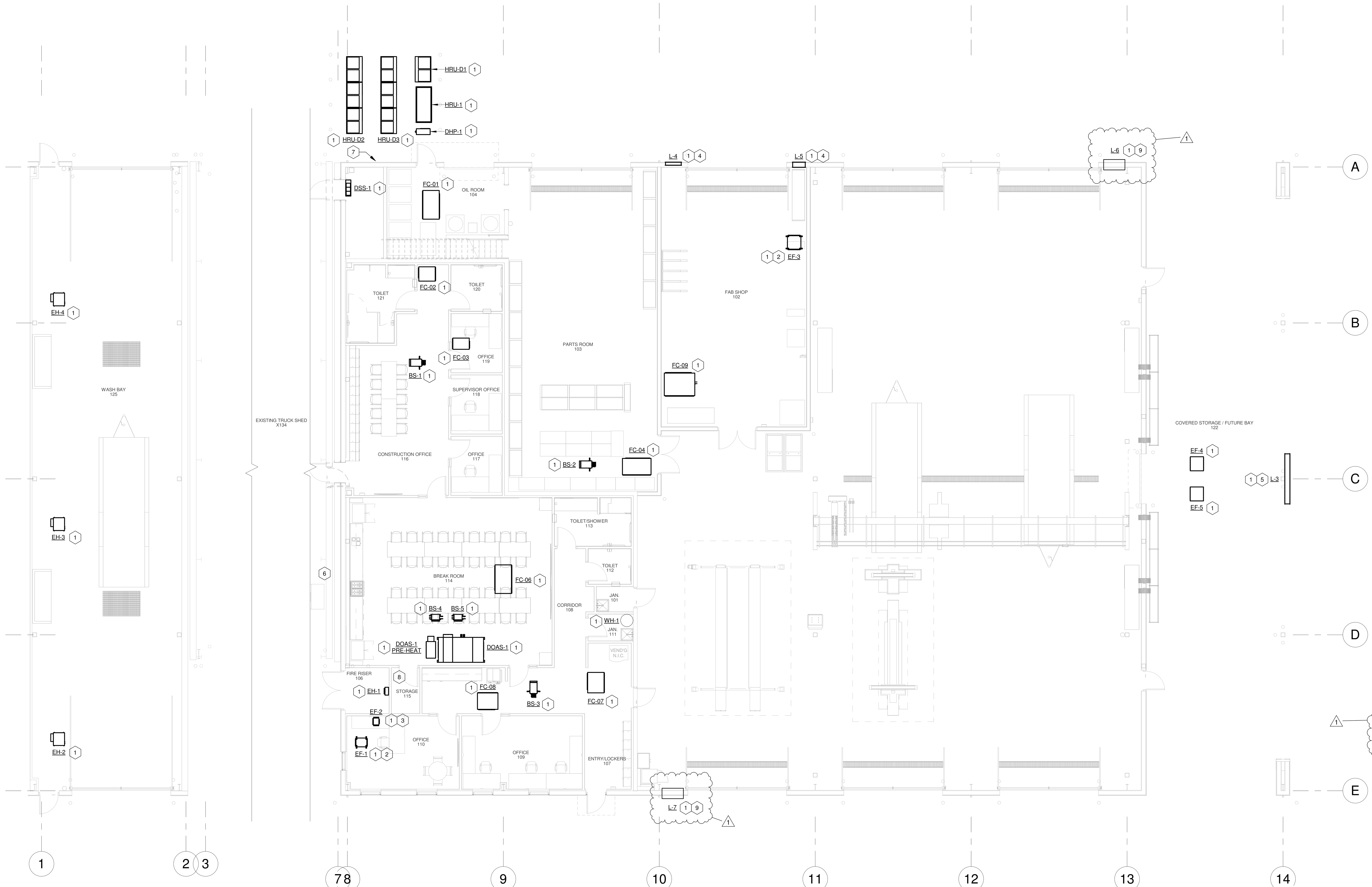
SHEET
E302



HVAC EQUIPMENT POWER PLAN

1/E401 — 1/8" = 1'-0"

HVAC EQUIPMENT CIRCUIT SCHEDULE

ITEM	VOLTAGE	CIRCUIT	WIRE/CONDUIT	DISC.
DOAS-1	208/1	MP2-54,56	2#12, 1#12EG, .75"C	NF 240V/30A/2P
DOAS-1 PRE-HEATER	208/1	MP2-58,60	2#8, 1#10EG, .75"C	NF 240V/60A/2P
DOAS-2	208/3	MP1-9,11,13	3#6, 1#10EG, 1"C	NF 240V/60A/3P
DOAS-3	208/3	MP1-15,17,19	3#6, 1#10EG, 1"C	NF 240V/60A/3P
HRU-1	208/3	EDP-7	SEE ONE-LINE DIAGRAM	
HRU-D1	208/3	EDP-9	SEE ONE-LINE DIAGRAM	
HRU-D2 - CIRCUIT #1	208/3	MP1-2,4,6	3#4, 1#8EG, 1.25"C	NFRT 240V/100A/3P
HRU-D2 - CIRCUIT #2	208/3	MP1-8,10,12	3#8, 1#10EG, .75"C	NFRT 240V/60A/3P
HRU-D2 - CIRCUIT #3	208/3	MP1-14,16,18	3#8, 1#10EG, .75"C	NFRT 240V/60A/3P
HRU-D3 - CIRCUIT #1	208/3	MP1-20,22,24	3#4, 1#8EG, 1.25"C	NFRT 240V/100A/3P
HRU-D3 - CIRCUIT #2	208/3	MP1-26,28,30	3#8, 1#10EG, .75"C	NFRT 240V/60A/3P
HRU-D3 - CIRCUIT #3	208/3	MP1-32,34,36	3#8, 1#10EG, .75"C	NFRT 240V/60A/3P
FC-01	208/1	MP2-1,3	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
FC-02	208/1	MP2-5,7	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
FC-03	208/1	MP2-9,11	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
FC-04	208/1	MP2-13,15	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
FC-05	208/1	MP2-17,19	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
FC-06	208/1	MP2-21,23	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
FC-07	208/1	MP2-25,27	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
FC-08	208/1	MP2-29,31	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
FC-09	208/1	MP2-33,35	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
EH-1	120V	MP2-37	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
EH-2	208/1	MP2-39,41	2#10, 1#10EG, .75"C	NEMA 4X STAINLESS NF 240V/30A/2P
EH-3	208/1	MP2-43,45	2#10, 1#10EG, .75"C	NEMA 4X STAINLESS NF 240V/30A/2P
EH-4	208/1	MP2-47,49	2#10, 1#10EG, .75"C	NEMA 4X STAINLESS NF 240V/30A/2P
WH-1	208/3	MP2-2,4,6	3#10, 1#10EG, .75"C	NF 240V/30A/3P
BS-1	208/1	MP2-8,10	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-2	208/1	MP2-8,10	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-3	208/1	MP2-8,10	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-4	208/1	MP2-12,14	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-5	208/1	MP2-12,14	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-6	208/1	MP2-16,18	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-7	208/1	MP2-16,18	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-8	208/1	MP2-16,18	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-9	208/1	MP2-16,18	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-10	208/1	MP2-16,18	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-11	208/1	MP2-20,22	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-12	208/1	MP2-20,22	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-13	208/1	MP2-20,22	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-14	208/1	MP2-20,22	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
BS-15	208/1	MP2-20,22	2#12, 1#12EG, .75"C	DOUBLE POLE, SINGLE THROW 240/30A TOGGLE
DHP-1 / DSS-1	208/1	MP2-24,26	2#12, 1#12EG, .75"C	NFRT 240V/30A/2P
EF-1	120V	MP2-28	2#12, 1#12EG, .75"C	NEMA 1 TOGGLE
EF-2	120V	MP2-30	2#12, 1#12EG, .75"C	NEMA 1 TOGGLE
EF-3	120V	MP2-32	2#10, 1#10EG, .75"C	NEMA 1 TOGGLE
EF-4	208/1	MP2-34,36	2#10, 1#10EG, .75"C	NF 240V/30A/2P
EF-5	208/1	MP2-38,40	2#10, 1#10EG, .75"C	NF 240V/30A/2P
L-2	120V	MP2-42	2#12, 1#12EG, .75"C	
L-3	120V	MP2-42	2#12, 1#12EG, .75"C	
L-4	120V	MP2-42	2#12, 1#12EG, .75"C	
L-5	120V	MP2-42	2#12, 1#12EG, .75"C	
L-6	120V	MP2-42	2#12, 1#12EG, .75"C	
L-7	120V	MP2-42	2#12, 1#12EG, .75"C	

SCHEDULE NOTES:
1. DISCONNECT SAFETY SWITCHES: HD = HEAVY DUTY, NF = NON-FUSED, RT = NEMA 3R ENCLOSURE
2. VERIFY REQUIREMENT FOR NEUTRAL CONDUCTORS PRIOR TO INSTALLATION.
3. PROVIDE MULTI-CONDUCTOR INTERCONNECTION CABLE BETWEEN INDOOR AND OUTDOOR UNIT PER MANUFACTURER INSTRUCTION. CONDUCTORS SHALL NOT BE SMALLER THAN #12AWG.
4. ALL MANUAL MOTOR STARTERS AND DOUBLE-POLE SINGLE-THROW SWITCHES SHALL BE PROVIDED WITH A HANDLE PADLOCK ATTACHMENT.

GENERAL ELECTRICAL NOTES

1. VERIFY EXACT LOCATIONS OF ALL EQUIPMENT PRIOR TO BEGINNING ROUGH-IN AND PLACEMENT OF WIRING DEVICES, DISCONNECTS, ETC.
2. ALL CONDUIT, WIRING AND ELECTRICAL CONNECTIONS IN WASH BAY SHALL BE WATERTIGHT.
3. ALL CONDUIT INSTALLED ACROSS EXISTING TRUCK SHED SHALL BE ROUTED AS HIGH AS POSSIBLE. COORDINATE ROUTING WITH EXISTING STRUCTURE AND UTILITIES.

KEYED ELECTRICAL NOTES

1. REFER TO MECHANICAL EQUIPMENT CIRCUIT SCHEDULE THIS SHEET FOR CIRCUITING REQUIREMENTS. DISCONNECTS SHALL BE MOUNTED SO THEY DO NOT INTERFERE WITH EQUIPMENT ACCESS OR CLEARANCE SPACE.
2. ROUTE EXHAUST FAN CIRCUIT THRU TIMER (BY DIV. 23). COORDINATE LOCATION OF TIMER WITH MECHANICAL CONTRACTOR.
3. ROUTE EXHAUT FAN CIRCUIT THRU LINE-VOLTAGE THERMOSTAT IN STORAGE 115. VERIFY EXACT LOCATION WITH MECHANICAL CONTRACTOR.
4. INTERLOCKING OF LOUVERS L-4 & L-5 WITH EXHAUST FAN EF-3 IS DONE BY MECHANICAL CONTRACTOR. COORDINATE WITH MECHANICAL CONTRACTOR FOR ADDITIONAL REQUIREMENTS.
5. INTERLOCKING OF LOUVER L-3 WITH EXHAUST FANS EF-4 & EF-5 IS DONE BY MECHANICAL CONTRACTOR. COORDINATE WITH MECHANICAL CONTRACTOR FOR ADDITIONAL REQUIREMENTS.
6. PROVIDE AND INSTALL 120V FOR HEAT TRACE AT ICE MACHINE. CONNECT TO CIRCUIT "PP1-24".
7. DISCONNECTS FOR OUTDOOR HRU UNITS SHALL BE INSTALLED ALONG THIS WALL.
8. PROVIDE AND INSTALL 120V CIRCUIT FOR HVAC BMS CONTROL PANEL. CONNECT TO CIRCUIT "MP2-44".
9. INTERLOCKING OF LOUVERS L-6 & L-7 WITH EF-4 & EF-5 IS DONE BY MECHANICAL CONTRACTOR. COORDINATE WITH MECHANICAL CONTRACTOR FOR ADDITIONAL REQUIREMENTS.

Batson Inc.
ENGINEERING SOLUTIONS

WDD ARCHITECTS

PROJECT TITLE
CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

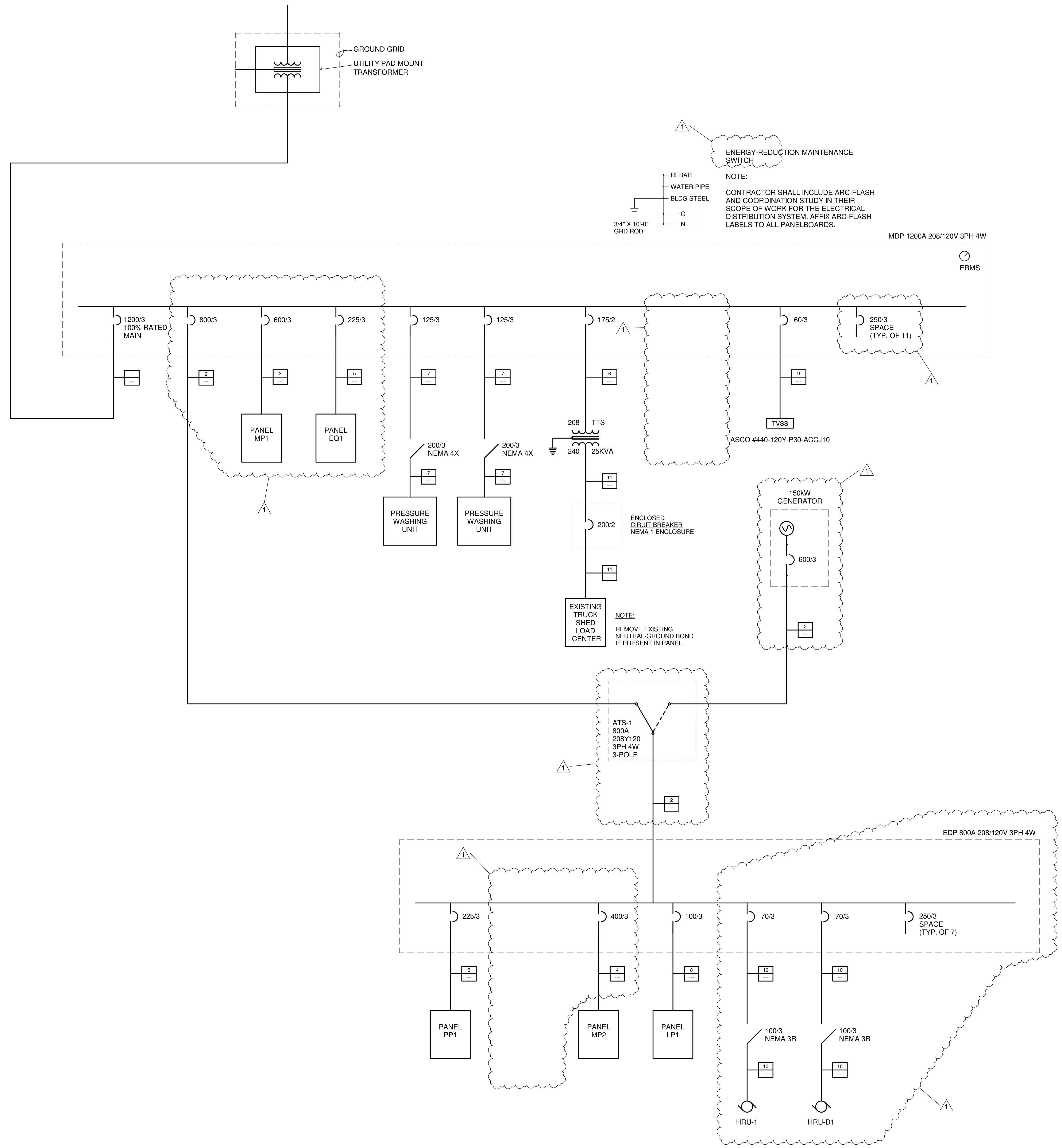
CONTENTS
HVAC EQUIPMENT POWER PLAN

REVISIONS

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1

24-096
JOB. NO.
02.14.2025
DATE
ISSUE SET

SHEET
E401



ELECTRICAL ONE-LINE DIAGRAM

1 E501 NTS

ONE-LINE FEEDER SCHEDULE

1. 3 SETS (4#600 kcmil, 4"C)
2. 2 SETS (4#500 kcmil, 1#1/0GR, 4"C)
3. 2 SETS (4#350 kcmil, 1#1GR, 3.5"C)
4. (4#500 kcmil, 1#3GR, 4"C)
5. (4#4/0, 1#4GR, 2.5"C)
6. (2#2/0, 1#6GR, 2"C)
7. (3#1, 1#6GR, 1.5"C)
8. (4#3, 1#8GR, 1.5"C)
9. (3#6, 1#6GR, 1"C) KEEP LEADS AS SHORT AS POSSIBLE
10. (3#4, 1#8GR, 1.25"C)
11. (3#3/0, 1#6GR, 2.5"C)

ENGRAVED NAMEPLATE NOTES:

1. NAMEPLATES SHALL BE INSTALLED ON ALL ELECTRICAL EQUIPMENT, PANELBOARDS, TRANSFORMERS, SAFETY SWITCHES AND STARTERS.
2. NAMEPLATES SHALL BE OF THE LAMINATED BAKELITE TYPE AND SECURELY FASTENED TO EQUIPMENT.
3. NAMEPLATE SIZE SHALL BE 1 1/2" X 4" WITH BEVELED EDGES.
4. NAMEPLATES SHALL BE BLACK IN COLOR WITH WHITE LETTERING. LETTERS SHALL BE 1/4".
5. NAMEPLATE SHALL INCLUDE PANEL OR EQUIPMENT DESIGNATION, AMPERAGE, VOLTAGE, PHASE AND WIRE DESIGNATION (E.G. 3W OR 4W).
6. SUBMIT PANEL NAMEPLATE SCHEDULE WITH SHOP DRAWINGS FOR APPROVAL.

PANEL A
225A, 120/208V, 3PH, 4W
FED FROM PANEL MDP

TYPICAL PANEL NAMEPLATE

AHU-1
200A, 208V 3-PHASE
FED FROM PANEL MDP

TYPICAL EQUIPMENT NAMEPLATE

ELECTRICAL EQUIPMENT TAG DETAIL

2 E501 1/8" = 1'-0"

WDD ARCHITECTS

PROJECT TITLE

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

CONTENTS

ELECTRICAL ONE-LINE DIAGRAM AND PANEL SCHEDULES

REVISIONS

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1

24-096
JOB. NO.

02.14.2025
DATE

ISSUE SET

Batson Inc. ENGINEERING SOLUTIONS

SHEET E501

PANELBOARD SCHEDULE

Panel Name:	Volts:	Mains:	Fed From:	Interrupting Rating:
MDP	120/208	1200A	UTILITY	22kAIC
TYPE: SQUARE D "HCR-U"	phase: 3 / wire: 4	lugs / breaker: X	Mounting: surface: X / flush; Feeder: top / bottom: X	COPPER BUS, GROUND BAR

BRANCH BREAKERS

ITEM	CKT BKR	CKT NO.	LOAD (KVA) A	LOAD (KVA) B	LOAD (KVA) C	LOAD(KVA) A	LOAD(KVA) B	LOAD(KVA) C	CKT NO.	CKT BKR	ITEM
PANEL "EDP"	800/3	1	73.35						2	60/3	TVSS
				73.93							
					69.68						
TRUCK SHED TRANSFORMER	175/2	3	8.33			10.71			4	125/3	PRESSURE WASHER - WASH BAY
				8.34			10.71				
					8.33			10.71			
PANEL "MP1"	600/3	5	37.74			10.71			6	125/3	PRESSURE WASHER - WASH BAY
				37.74			10.71				
					37.74			10.71			
PANEL "EQ1"	225/3	7	13.24						8	250/3	SPACE W/ BUSSING
				11.15							
					15.01						
SPACE W/ BUSSING	250/3	9							10	250/3	SPACE W/ BUSSING
SPACE W/ BUSSING	250/3	11							12	250/3	SPACE W/ BUSSING
SPACE W/ BUSSING	250/3	13							14	250/3	SPACE W/ BUSSING
SPACE W/ BUSSING	250/3	15							16	250/3	SPACE W/ BUSSING
SPACE W/ BUSSING	250/3	17							18	250/3	SPACE W/ BUSSING
			132.66	131.16	130.76	21.42	21.42	21.42			
			154.08	152.58	152.18	TOTALS					
			458.84			TOTAL CONN. LOAD KVA					

PROVIDE WITH 4-PIECE TRIM WITH DOOR. PROVIDE PANEL AS SERVICE ENTRANCE RATED.

PROVIDE PANEL WITH 100% RATED MAIN CIRCUIT BREAKER. PROVIDE PANEL WITH ERMS SWITCH.

PANELBOARD SCHEDULE

Panel Name:	Volts:	Mains:	Fed From:	Interrupting Rating:
LP1	120/208	100A	EDP	22kAIC
TYPE: SQUARE D "NQ"	phase: 3 / wire: 4	lugs: X / breaker	Mounting: surface: X / flush; Feeder: top / bottom: X	COPPER BUS, GROUND BAR

BRANCH BREAKERS

ITEM	CKT BKR	CKT NO.	LOAD (KVA) A	LOAD (KVA) B	LOAD (KVA) C	LOAD(KVA) A	LOAD(KVA) B	LOAD(KVA) C	CKT NO.	CKT BKR	ITEM
LIGHTS SHOP BAY LIGHTS	20/1	1	1.42			0.01			2	20/1	LC-1 & LC-2 COIL VOLTAGE
LIGHTS SHOP BAY LIGHTS	20/1	3		1.14			1.12		4	20/1	LIGHTS EXT. WALL PACKS (EAST)
LIGHTS SHOP BAY LIGHTS	20/1	5			1.42			0.91	6	20/1	LIGHTS EXT. WALL PACKS (WEST)
LIGHTS SHOP BAY LIGHTS	20/1	7	1.42			0.52			8	20/1	LIGHTS EXTERIOR COVERED BAY
LIGHTS FAB SHOP	20/1	9		1.41			0.00		10	20/1	SPARE
LIGHTS PARTS/OIL ROOM, ELEC RM, MEZZ	20/1	11			1.20			0.00	12	20/1	SPARE
LIGHTS CONSTR. OFF, BREAK RM	20/1	13	0.90			0.00			14	20/1	SPARE
LIGHTS TLTS, CORRIDOR, OFFICE 109-110	20/1	15		0.71					16	20/1	SPACE W/ BUSSING
LIGHTS WASH BAY	20/1	17			1.37				18	20/1	SPACE W/ BUSSING
SPARE	20/1	19	0.00						20	20/1	SPACE W/ BUSSING
SPARE	20/1	21		0.00					22	20/1	SPACE W/ BUSSING
SPARE	20/1	23			0.00				24	20/1	SPACE W/ BUSSING
SPARE	20/1	25	0.00						26	20/1	SPACE W/ BUSSING
SPARE	20/1	27		0.00					28	20/1	SPACE W/ BUSSING
SPARE	20/1	29			0.00				30	20/1	SPACE W/ BUSSING
SPACE W/ BUSSING		31							32	20/1	SPACE W/ BUSSING
SPACE W/ BUSSING	20/1	33							34	20/1	SPACE W/ BUSSING
SPACE W/ BUSSING	20/1	35							36	20/1	SPACE W/ BUSSING
SPACE W/ BUSSING	20/1	37							38	20/1	SPACE W/ BUSSING
SPACE W/ BUSSING	20/1	39							40	20/1	SPACE W/ BUSSING
SPACE W/ BUSSING	20/1	41							42	20/1	SPACE W/ BUSSING
			3.74	3.26	3.99	0.53	1.12	0.91			
			4.27	4.38	4.90	TOTALS					
			13.55			TOTAL CONN. LOAD KVA					

PANELBOARD SCHEDULE

Panel Name:	Volts:	Mains:	Fed From:	Interrupting Rating:
MP1	120/208	600A	EDP	22kAIC
TYPE: SQUARE D "NQ"	phase: 3 / wire: 4	lugs: X / breaker	Mounting: surface: X / flush; Feeder: top / bottom: X	COPPER BUS, GROUND BAR

BRANCH BREAKERS

ITEM	CKT BKR	CKT NO.	LOAD (KVA) A	LOAD (KVA) B	LOAD (KVA) C	LOAD(KVA) A	LOAD(KVA) B	LOAD(KVA) C	CKT NO.	CKT BKR	ITEM
SPACE W/ BUSSING		1				5.60			2	70/3	HRU-D2 - CIRCUIT #1
SPACE W/ BUSSING		3					5.60		4		
SPACE W/ BUSSING		5						5.60	6		
SPACE W/ BUSSING		7				4.13			8	50/3	HRU-D2 - CIRCUIT #2
DOAS-2	60/3	9		5.01			4.13		10		
		11			5.01			4.13	12		
		13	5.01			4.13			14	50/3	HRU-D2 - CIRCUIT #3
DOAS-3	60/3	15		5.01			4.13		16		
		17			5.01			4.13	18		
		19	5.01			5.60			20	70/3	HRU-D3 - CIRCUIT #1
SPACE W/ BUSSING		21					5.60		22		
SPACE W/ BUSSING		23						5.60	24		
SPACE W/ BUSSING		25				4.13			26	50/3	HRU-D3 - CIRCUIT #2
SPACE W/ BUSSING		27					4.13		28		
SPACE W/ BUSSING		29						4.13	30		
SPACE W/ BUSSING		31				4.13			32	50/3	HRU-D3 - CIRCUIT #3
SPACE W/ BUSSING		33					4.13		34		
SPACE W/ BUSSING		35						4.13	36		
SPACE W/ BUSSING		37							38		SPACE W/ BUSSING
SPACE W/ BUSSING		39							40		SPACE W/ BUSSING
SPACE W/ BUSSING		41							42		SPACE W/ BUSSING
			10.02	10.02	10.02	27.72	27.72	27.72			
			37.74	37.74	37.74	TOTALS					
			113.22			TOTAL CONN. LOAD KVA					

PANELBOARD SCHEDULE

Panel Name:	Volts:	Mains:	Fed From:	Interrupting Rating:
EDP	120/208	800A	ATS	22kAIC
TYPE: SQUARE D "HCP-SU"	phase: 3 / wire: 4	lugs: X / breaker	Mounting: surface: X / flush; Feeder: top / bottom: X	COPPER BUS, GROUND BAR

BRANCH BREAKERS

ITEM	CKT BKR	CKT NO.	LOAD (KVA) A	LOAD (KVA) B	LOAD (KVA) C	LOAD(KVA) A	LOAD(KVA) B	LOAD(KVA) C	CKT NO.	CKT BKR	ITEM
PANEL "PP1"	225/3	1	24.22			4.27			2	100/3	PANEL "LP1"
				23.30			4.38				
					18.46			4.90			
SPACE W/ BUSSING	250/3	3							4	250/3	SPACE W/ BUSSING
PANEL "MP2"	400/3	5	32.80						6	250/3	SPACE W/ BUSSING
				34.19							
					34.26						
HRU-1	70/3	7	6.46						8	250/3	SPACE W/ BUSSING
				6.46							
					6.46						
HRU-D1	70/3	9	5.60						10	250/3	SPACE W/ BUSSING
				5.60							
					5.60						
SPACE W/ BUSSING	250/3	11							12	250/3	SPACE W/ BUSSING
			69.08	69.55	64.78	4.27	4.38	4.90			
			73.35	73.93	69.68	TOTALS					
			216.96			TOTAL CONN. LOAD KVA					

PROVIDE WITH 4-PIECE TRIM WITH DOOR.

PROVIDE PANEL WITH 54" CIRCUIT BREAKER MOUNTING SPACE.

PANELBOARD SCHEDULE

Panel Name:	Volts:	Mains:	Fed From:	Interrupting Rating:
PP1	120/208	225A	EDP	22kAIC
TYPE: SQUARE D "NQ"	phase: 3 / wire: 4	lugs: X / breaker	Mounting: surface: X / flush; Feeder: top / bottom: X	COPPER BUS, GROUND BAR

BRANCH BREAKERS

ITEM	CKT BKR	CKT NO.	LOAD (KVA) A	LOAD (KVA) B	LOAD (KVA) C	LOAD(KVA) A	LOAD(KVA) B	LOAD(KVA) C	CKT NO.	CKT BKR	ITEM
RECPTS SHOP BAYS	20/1	1	0.60			1.50			2	20/1	OVERHEAD DOOR - SHOP BAY
RECPTS SHOP BAYS, EXTERIOR	20/1	3		1.00			1.50		4	20/1	OVERHEAD DOOR - SHOP BAY
RECPTS SHOP BAYS, EXTERIOR	20/1	5			1.00			1.50	6	20/1	OVERHEAD DOOR - SHOP BAY
RECPTS SHOP BAYS	20/1	7	0.80			1.50			8	20/1	OVERHEAD DOOR - SHOP BAY
RECPTS SHOP BAYS	20/1	9		0.60			1.50		10	20/1	OVERHEAD DOOR - SHOP BAY
RECPTS SHOP BAYS	20/1	11			0.80			1.50	12	20/1	OVERHEAD DOOR - FAB SHOP
RECPTS PARTS & OIL ROOMS, EXTERIOR	20/1	13	1.00			1.50			14	20/1	OVERHEAD DOOR - PARTS ROOM
RECPTS ELECTRICAL ROOM	20/1	15		0.60			1.50		16	20/1	OVERHEAD DOOR - WASH BAY
DRYER - SHOP BAY	30/2	17			2.50			1.50	18	20/1	OVERHEAD DOOR - WASH BAY
		19	2.50			1.24			20	20/2	ICE MACHINE - TRUCK SHED
WASHING MACHINE - SHOP BAY	20/1	21		1.80			1.24		22		
RECPTS OFFICE 119, TLTS 120, 121	20/1	23			1.20			0.18	24	20/1	ICE MACHINE HEAT TRACE
RECPTS CONSTR. OFFICE 116, EXT.	20/1	25	1.20			1.18			26	20/1	WEST ENTRY GATE
RECPTS SUPERVISER OFFICE 118	20/1	27		0.80			1.18		28	20/1	SOUTH ENTRY GATE
RECPTS OFFICE 117	20/1	29			0.80			0.00	30	20/1	SPARE
RECPTS BREAK ROOM 114	20/1	31	0.80			0.00			32	20/1	SPARE
RECPTS BREAK ROOM 114	20/1	33		0.60			0.00		34	20/1	SPARE
REFRIGERATOR - BREAK ROOM 114	20/1	35			1.00			0.00	36	20/1	SPARE
REFRIGERATOR - BREAK ROOM 114	20/1	37	1.00						38	20/1	SPARE
MICROWAVE - BREAK ROOM 114	20/1	39		1.20					40	20/1	SPARE
MICROWAVE - BREAK ROOM 114	20/1	41			1.20				42		SPACE W/ BUSSING
DISHWASHER - BREAK ROOM 114	20/1	43	1.00						44		SPACE W/ BUSSING
COFFEE MAKER - BREAK ROOM 114	20/1	45		1.20					46		SPACE W/ BUSSING
ABOVE COUNTER - BREAK ROOM 114	20/1	47			0.40				48		SPACE W/ BUSSING
OVEN - BREAK ROOM 114	50/2	49	4.00						50		SPACE W/ BUSSING
		51		4.00					52		SPACE W/ BUSSING
DISPOSAL BREAK ROOM 114	20/1	53			1.18				54		SPACE W/ BUSSING
RECPTS STORAGE 115	20/1	55	0.80						56		SPACE W/ BUSSING
ABOVE CNTR WORK AREA - CORRIDOR 108	20/1	57		0.40					58		SPACE W/ BUSSING
COPIER - WORK AREA IN CORRIDOR 108	20/1	59			1.00				60		SPACE W/ BUSSING
RECPTS OFFICE 110	20/1	61	1.20						62		SPACE W/ BUSSING
RECPTS OFFICE 109	20/1	63		0.80					64		SPACE W/ BUSSING
RECPTS OFFICE 109, EXTERIOR	20/1	65			0.80				66		SPACE W/ BUSSING
RECPTS ENTRY 107, CORRIDOR 108	20/1	67	0.60						68		SPACE W/ BUSSING
ELECTRIC WATER COOLER - CORRIDOR 108	20/1	69		1.18					70		SPACE W/ BUSSING
RECPTS TLTS 112,113, JAN 101, 111, RECIRC	20/1	71			1.00				72		SPACE W/ BUSSING
VENDING MACHINE - CORRIDOR 108	20/1	73	1.00						74		SPACE W/ BUSSING
VENDING MACHINE - CORRIDOR 108	20/1	75		1.00					76		SPACE W/ BUSSING
VENT HOOD BREAK ROOM 114	20/1	77			0.30				78		SPACE W/ BUSSING
RECPTS WASH BAY	20/1	79	0.80						80		SPACE W/ BUSSING
RECPTS MEZZANINE & MEZZ EQUIP ROOM	20/1	81		1.20					82		SPACE W/ BUSSING
FIRE ALARM CONTROL PANEL	20/1	83			0.60				84		SPACE W/ BUSSING
			17.30	16.38	13.78	6.92	6.92	4.68			
			24.22	23.30	18.46	TOTALS					
			65.98			TOTAL CONN. LOAD KVA					

PROVIDE GFCI TYPE BREAKERS FOR THE FOLLOWING CKTS: #1 THRU #13, #21, #35 THRU #43, #49/51, #69, #73, #75, #20 THRU #30

PROVIDE GFEP TYPE CIRCUIT BREAKERS FOR THE FOLLOWING CKTS: #24.

PANELBOARD SCHEDULE

Panel Name:	Volts:	Mains:	Fed From:	Interrupting Rating:
MP2	120/208	400A	EDP	22kAIC
TYPE: SQUARE D "NQ"	phase: 3 / wire: 4	lugs: X / breaker	Mounting: surface: X / flush; Feeder: top / bottom: X	COPPER BUS, GROUND BAR

BRANCH BREAKERS

ITEM	CKT BKR	CKT NO.	LOAD (KVA) A	LOAD (KVA) B	LOAD (KVA) C	LOAD(KVA) A	LOAD(KVA) B	LOAD(KVA) C	CKT NO.	CKT BKR	ITEM
FC-1	20/2	1	0.28			2.66			2	30/3	WH-1
		3		0.28			2.67		4		
FC-2	20/2	5			0.12			2.66	6		
		7	0.12			0.10			8	20/2	BS-1, BS-2, BS-3
FC-3	20/2	9		0.07			0.10		10		
		11			0.07			0.07	12	20/2	BS-4 & BS-5
FC-4	20/2	13	0.23			0.07			14		
		15		0.23			0.07		16	20/2	BS-6, BS-7, BS-8, BS-9, BS-10
FC-5	20/2	17			0.15			0.07	18		
		19	0.15			0.07			20	20/2	BS-11, BS-12, BS-13, BS-14, BS-15
FC-6	20/2	21		0.21			0.07		22		
		23			0.21			1.03	24	20/2	DHP-1 / DSS-1
FC-7	20/2	25	0.13			1.03			26		
		27		0.13			0.43		28	20/1	EF-1
FC-8	20/2	29			0.15			0.05	30	20/1	EF-2
		31	0.15			1.38			32	20/1	EF-3
FC-9	20/2	33		0.75			1.25		34	20/2	EF-4
		35			0.75			1.25	36		
EH-1 FIRE RISER ROOM	20/1	37	1.50			1.25			38	20/2	EF-5
EH-2 - WASH BAY	30/2	39		2.50			1.25		40		
		41			2.50			0.10	42	20/1	LOUVERS L-2, L-3, L-4, L-5, L-6 & L-7
EH-3 - WASH BAY	30/2	43	2.50			0.60			44	20/1	HVAC BMS CONTROL PANEL
		45		2.50					46	20/1	SPARE
EH-4 - WASH BAY	30/2	47			2.50				48	20/1	SPARE
		49	2.50			1.66			50	30/2	GRINDER STATION
AIR COMPRESSOR - OIL ROOM	40/3	51		3.04			1.66		52		
		53			3.04			0.90	54	20/2	DOAS-1
		55	3.04			0.90			56		
AIR COMPRESSOR - OIL ROOM	40/3	57		3.04			3.00		58	40/2	DOAS-1 PRE-HEATER
		59			3.04			3.00	60		
		61	3.04						62		SPACE W/ BUSSING
OVERHEAD CRANE - SHOP BAYS	70/3	63		6.16					64		SPACE W/ BUSSING
		65			6.16				66		SPACE W/ BUSSING
		67	6.16						68		SPACE W/ BUSSING
4-POST LIFT	30/2	69		1.94					70		SPACE W/ BUSSING
		71			1.94				72		SPACE W/ BUSSING
2-POST LIFT	80/3	73	4.50						74		SPACE W/ BUSSING
		75		4.50					76		SPACE W/ BUSSING
		77			4.50				78		SPACE W/ BUSSING
RECPTS AIR DRYER	20/1	79	0.44						80		SPACE W/ BUSSING
SPARE	20/1	81							82		SPACE W/ BUSSING
SPARE	20/1	83							84		SPACE W/ BUSSING
			24.74	25.35	25.13	9.72	10.50	9.13			
			34.46	35.85	34.26	TOTALS					
			104.57			TOTAL CONN. LOAD KVA					

PANELBOARD SCHEDULE

Panel Name:	Volts:	Mains:	Fed From:	Interrupting Rating:
EQ1	120/208	225A	EDP	22kAIC
TYPE: SQUARE D "NQ"	phase: 3 / wire: 4	lugs: X / breaker	Mounting: surface: X / flush; Feeder: top / bottom: X	COPPER BUS, GROUND BAR

BRANCH BREAKERS

ITEM	CKT BKR	CKT NO.	LOAD (KVA) A	LOAD (KVA) B	LOAD (KVA) C	LOAD(KVA) A	LOAD(KVA) B	LOAD(KVA) C	CKT NO.	CKT BKR	ITEM
PLASMA CUTTER	50/3	1	3.72						2	20/1	SPARE
		3		3.72			3.27		4	50/2	WELDING OUTLET - FAB SHOP
		5			3.72			3.27	6		
GENERATOR BATTERY CHARGER	20/1	7	0.72						8	50/2	SPARE WELDING OUTLET - FAB SHOP
GENERATOR BLOCK HEATER	20/1	9		1.50					10		
SPARE	20/1	11							12	50/2	SPARE WELDING OUTLET - FAB SHOP
SPACE W/ BUSSING		13							14		
SPACE W/ BUSSING		15							16	50/2	SPARE WELDING OUTLET - FAB SHOP
SPACE W/ BUSSING		17							18		
GRINDER STATION	30/2	19	1.66						20	50/2	SPARE WELDING OUTLET - FAB SHOP
		21		1.66					22		
CHOP SAW FAB SHOP	20/1	23			1.80			5.82	24	70/2	CURING OVEN - FAB SHOP
GRINDER FAB SHOP	20/1	25	0.72			5.82			26		
RECPTS FAB SHOP CONVENIENCE	20/1	27		0.60					28	20/1	SPACE W/ BUSSING
RECPTS FAB SHOP CONVENIENCE	20/1	29			0.40				30	20/1	SPACE W/ BUSSING
RECPTS FAB SHOP CONVENIENCE	20/1	31	0.60						32	20/1	SPACE W/ BUSSING
RECPTS FAB SHOP CONVENIENCE	20/1	33		0.40					34	20/1	SPACE W/ BUSSING
SPACE W/ BUSSING		35							36	20/1	SPACE W/ BUSSING
SPACE W/ BUSSING		37							38	20/1	SPACE W/ BUSSING
SPACE W/ BUSSING		39							40	20/1	SPACE W/ BUSSING
SPACE W/ BUSSING		41							42	20/1	SPACE W/ BUSSING
			7.42	7.88	5.92	5.82	3.27	9.09			
			13.24	11.15	15.01	TOTALS					
			39.4			TOTAL CONN. LOAD KVA					

WDD ARCHITECTS

PROJECT TITLE

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

CONTENTS

ELECTRICAL PANEL SCHEDULES

REVISIONS

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1

24-096
JOB NO.

02.14.2025
DATE

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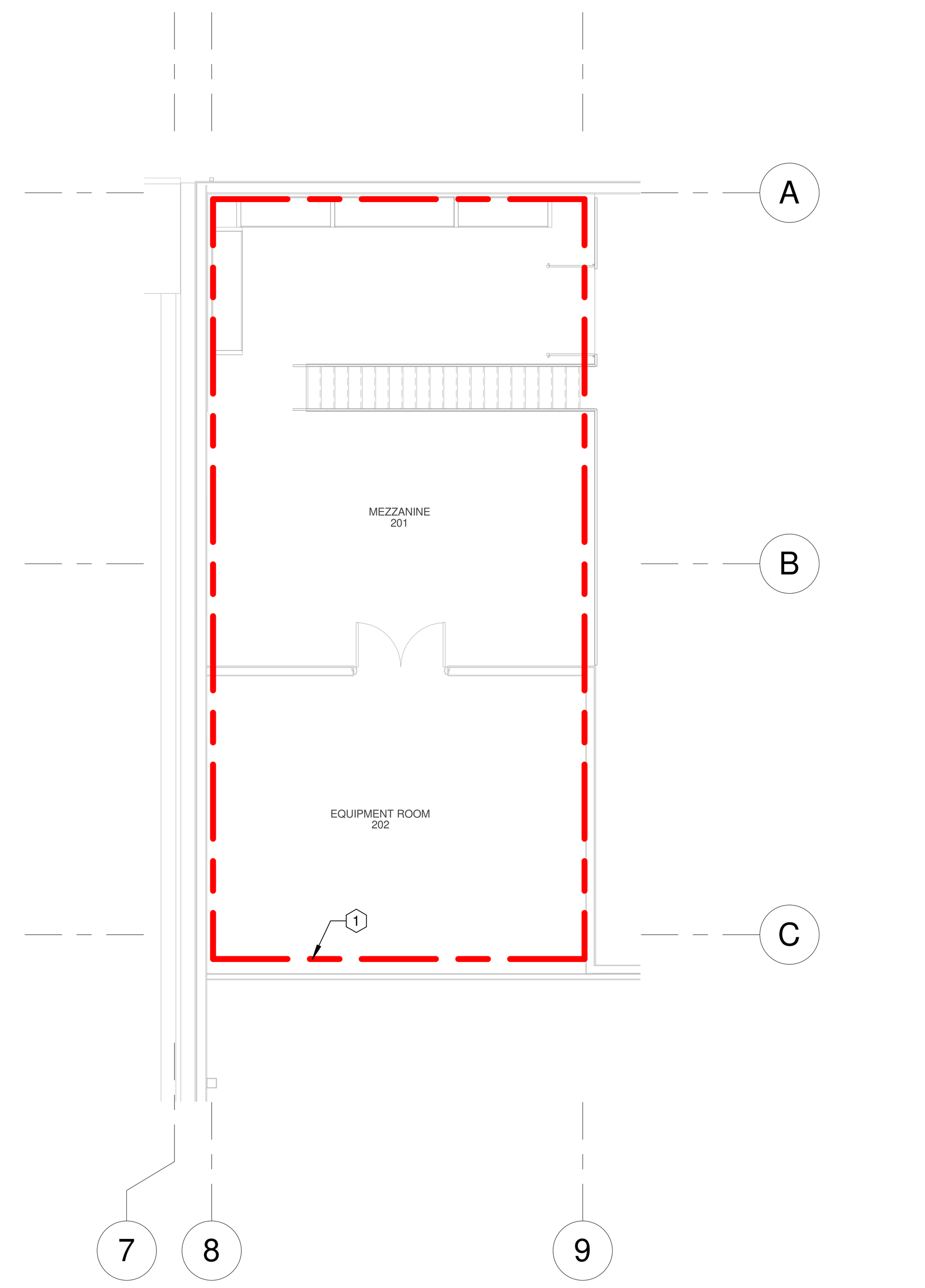
E601

Batson Inc.
ENGINEERING SOLUTIONS
1300 Brookwood Drive
Little Rock Arkansas 72202
501-664-2011 www.batson.com



4 F001 **MEZZANINE FIRE PROTECTION PLAN**

1/8" = 1'-0"

N

⬡ KEYED NOTES:

1 WET PIPE SPRINKLER SYSTEM TO BE PROVIDED FOR MEZZANINE AS INDICATED BY OUTLINE.

NOTE : FLOOR PLAN UPDATED TO REFLECT ARCHITECTURAL CHANGES, SHEET ISSUED FOR CONSISTENCY. 1

GENERAL NOTES:

1. REFER TO SPECIFICATIONS AND PROJECT MANUAL FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. REFER TO ALL PROJECT DRAWINGS FOR DETAILS OF CONSTRUCTION AND INSTALLATION REQUIREMENTS.
3. REFER TO GENERAL CONDITIONS AND SUPPLEMENTARY GENERAL CONDITIONS FOR THE CONTRACT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR FULL COORDINATION OF PROJECT INCLUDING THE EQUIPMENT AND INSTALLATION OF THE MECHANICAL WORK.
4. CONTRACTOR SHALL BECOME, PRIOR TO BID, THOROUGHLY FAMILIAR WITH THE REQUIREMENTS OF THESE NOTES AS WELL AS OTHER NOTES SHOWN ON THE CONTRACT DOCUMENTS.
5. THESE DRAWINGS REFLECT A SYSTEM DESIGNED AROUND SPECIFIC REFERENCE PRODUCTS (SEE SCHEDULES), THE SELECTION OF WHICH HAS INFLUENCED THE DESIGNS OF OTHER TRADES (ELECTRICAL, STRUCTURAL, ETC.). IF SUBSTITUTE MANUFACTURERS, SIZES, OR MODEL NUMBERS ARE BID, OR SUBMITTED, IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR AND ALL HIS SUBCONTRACTORS TO COORDINATE ALL DIFFERENCES PRIOR TO BID. ALL COSTS OF ALL TRADES ASSOCIATED WITH THE SUBSTITUTION SHALL BE INCLUDED IN THE BID.
6. COORDINATION OF ALL MODIFICATIONS TO EACH DISCIPLINE WHICH RESULT FROM SUBSTITUTION OF EQUIPMENT OR MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. SUBSTITUTIONS WHICH ARE INSTALLED AND SUBSEQUENTLY ARE PROVEN UNSATISFACTORY BY OWNER AND/OR ENGINEER, WITHIN THE WARRANTY PERIOD, SHALL BE REMOVED COMPLETELY BY THE CONTRACTOR AND REPLACED WITH THE ORIGINAL DESIGN OR CORRECTED AS DIRECTED BY THE ENGINEER WITHOUT ADDITIONAL COST TO THE OWNER.
7. ALL DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OR GEOMETRICAL RELATIONSHIPS OF EQUIPMENT AND SERVICES. THEY ARE NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, SEQUENCE, DEVICE, OPTION, FITTING, OR COMPONENT.
8. INFORMATION AND COMPONENTS SHOWN ON RISER DIAGRAMS OR DETAILS, BUT NOT SHOWN ON PLANS, AND VICE VERSA, SHALL BE PROVIDED AS IF EXPRESSLY REQUIRED BY BOTH.
9. CONTRACTOR SHALL NOT SCALE DRAWINGS. DRAWINGS SPECIFIC TO THIS DISCIPLINE DO NOT LIMIT THE RESPONSIBILITY OF WORK REQUIRED BY THE CONTRACT DOCUMENTS.
10. UNLESS NOTED OTHERWISE, THE INDICATION AND/OR DESCRIPTION OF ANY ITEM, IN THE DRAWINGS OR SPECIFICATIONS CARRIES WITH IT THE INSTRUCTION TO FURNISH AND INSTALL THE ITEM.
11. EXACT LOCATIONS OF ALL EQUIPMENT, ROOF CURBS, DUCTS, DIFFUSERS, ETC. SHALL BE COORDINATED WITH OTHER TRADES. CEILING MOUNTED SPRINKLER, LIGHTING, AND ELECTRICAL REQUIREMENTS TAKE PRECEDENCE OVER CEILING MOUNTED MECHANICAL REQUIREMENTS. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING GRID AND LIGHTING LAYOUT FOR COORDINATION OF FINAL DIFFUSER LOCATIONS.
12. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR BUILDING DETAILS AND DIMENSIONS.
13. COORDINATE PLACEMENT OF ALL THERMOSTATS, ROOF MOUNTED EQUIPMENT, ETC. WITH ARCHITECTURAL AND STRUCTURAL TRADES.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK WITH THAT OF OTHER TRADES. REFER TO ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND OTHER DRAWINGS FOR COMPLETE INFORMATION PRIOR TO BID.
15. ROUGH-IN OR INSTALLATION OF OWNER FURNISHED EQUIPMENT SHALL NOT BEGIN UNTIL APPROVED EQUIPMENT DRAWINGS ARE OBTAINED FROM OWNER OR ARCHITECT. DO NOT SUBMIT SHOP DRAWINGS FOR ANY EQUIPMENT WHICH MAY BE COORDINATED WITH OWNER FURNISHED ITEMS UNTIL THE APPROVED DRAWINGS ARE OBTAINED FROM OWNER OR ARCHITECT. VERIFY THE APPROVED EQUIPMENT HAS THE SAME ROUGH-IN AND FINAL CONNECTION REQUIREMENTS AND DESIGN CRITERIA AS THE DOCUMENTS. NOTIFY ENGINEER OF ANY CHANGES, INCOMPATIBILITY, OR UNUSUAL CONDITIONS IMMEDIATELY. SEE SPECIFICATIONS OR DRAWINGS FOR LIST OF OWNER FURNISHED EQUIPMENT (WHERE APPLICABLE).
16. ALL MECHANICAL CONSTRUCTION DETAILS SHALL BE AS SHOWN AND AS REQUIRED TO MAINTAIN "UL" ASSEMBLY RATINGS AS SHOWN ON ARCHITECTURAL SHEETS. SEAL AROUND ALL PENETRATIONS THOROUGH UL RATED ASSEMBLIES, FIRE AND SMOKE WALLS. COORDINATE WITH GENERAL CONTRACTOR.
17. NO OTHER TRADES, I.E., ELECTRICAL, CEILING, PLUMBING, ETC., SHALL BE SUSPENDED, HUNG, OR SUPPORTED FROM DUCTWORK OR PIPING.
18. ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR FLASHING AND SEALING OF ALL ROOF PENETRATIONS.
19. SPECIAL CARE SHALL BE TAKEN ON THE ROOFS TO PREVENT DAMAGE. ANY DAMAGE SHALL BE PROMPTLY REPAIRED AT NO EXPENSE TO THE OWNER. COMPLY WITH BONDING REQUIREMENTS OF EXISTING ROOF.
20. PROVIDE CONCRETE PADS FOR ALL GROUND-MOUNTED EQUIPMENT.
21. REPLACE ALL ARCHITECTURAL FEATURES REMOVED OR DAMAGED DURING THE COURSE OF THE WORK.

FIRE PROTECTION DRAWING INDEX

F001	FIRE PROTECTION NOTES, LEGEND, INDEX, & MEZZANINE PLAN
F101	FIRE PROTECTION FLOOR PLAN

FIRE PROTECTION NOTES:

1. REFER TO GENERAL NOTES ON DRAWING.
2. REFER TO DRAWING FOR ADDITIONAL INFORMATION.
3. PROVIDE A COMPLETE HYDRAULICALLY CALCULATED, FULLY AUTOMATIC, WET PIPE SPRINKLER SYSTEM, AS PER NFPA 13, SPECIFICATIONS, AND LOCAL CODE AND INSURER'S REQUIREMENTS.
4. FIRE PROTECTION SYSTEMS, PIPING, PUMPS, VALVES, AND ACCESSORIES INDICATED ON THE DRAWINGS ARE DIAGRAMMATIC ONLY. IT IS THE RESPONSIBILITY OF THE DESIGNING CONTRACTOR TO VERIFY EQUIPMENT SELECTIONS, PIPE ROUTING, ETC. FOR CODE COMPLIANCE, INSURER COMPLIANCE, AND ARCHITECTURAL/STRUCTURAL CONFORMITY.
5. FIRE PROTECTION SYSTEM SHOP DRAWINGS SHALL INCLUDE SEPARATE AND COMPLETE REFLECTED CEILING PLANS INDICATING LOCATION OF EACH SPRINKLER HEAD, AS WELL AS PIPING LAYOUTS. PROVIDE ADDITIONAL SPRINKLER HEADS (OVER CODE MINIMUM QUANTITIES) IF REQUESTED BY ARCHITECT, TO OBTAIN SYMMETRICAL CEILING LAYOUTS.
6. SPRINKLER SYSTEM SHALL BE COMPLETE WITH BACKFLOW PREVENTION DEVICES, VALVES, P.I.V.'S, ALARM BELLS, SIAMESE CONNECTIONS, SPRINKLER PIPES & HEADS, ELECTRONIC SUPERVISION, FIRE DEPARTMENT CONNECTIONS, HYDRANTS, ACCESSORIES, ETC., AS REQUIRED BY NFPA, INSURER, AND LOCAL AUTHORITIES.
7. COORDINATE LOCATIONS OF FIRE EXTINGUISHER AND FIRE HOSE CABINETS WITH ARCHITECTURAL PLANS.
8. SYSTEM SHALL INTERFACE WITH THE BUILDING FIRE ALARM SYSTEM. SEE ELECTRICAL.
9. PROVIDE HEADS SUITABLE FOR TEMPERATURES TO BE ENCOUNTERED.
10. SEE SPECIFICATIONS AND PROJECT MANUAL FOR SYSTEM REQUIREMENTS. REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING DETAILS AND REFLECTED CEILING PLAN.
11. ALL VALVES SHALL HAVE ELECTRONIC SUPERVISION.
12. HYDRAULIC CALCULATIONS SHALL BE BASED ON THE HYDRANT FLOW TEST. CONTRACTOR SHALL VERIFY FLOW TEST DATA WITH LOCAL AUTHORITIES PRIOR TO SYSTEM DESIGN OR PREPARATION OF SHOP DRAWINGS.
13. IF HYDRAULIC CALCULATIONS AND CURRENT FLOW TEST DATA INICATES THAT A FIRE PUMP IS REQUIRED, NOTIFY ENGINEER 4 DAYS PRIOR TO BID.
14. SPECIAL CONSIDERATION SHALL BE GIVEN TO AREAS THROUGH THE BUILDING SUCH AS DROPPED SOFFITS AND LIGHTING SOFFITS THAT NECESSITATE ADDITIONAL SPRINKLER HEADS. REFER TO ARCHITECTURAL PLANS TO BUILDING DETAILS.
15. LAYOUT THE SPRINKLER PIPING SO THAT THERE IS A MINIMUM SEPARATION OF 18" BETWEEN THE CEILING HEIGHT AND THE BOTTOM OF THE SPRINKLER PIPE, EVEN IF THIS REQUIRES RUNNING THE PIPE IN THE JOIST SPACE.
16. DUCT RUNS AND GRAVITY DRAINAGE SYSTEMS HAVE PRIORITY OVER SPRINKLER LINE MAINS, BRANCHES, AND DROPS. OFFSET DROPS TO OBTAIN REQUIRED HEAD LAYOUT. COORDINATE WITH OTHER TRADES.
17. CONDUCT A COORDINATION MEETING WITH SUBCONTRACTORS TO ESTABLISH CLEARANCE REQUIREMENTS NEEDED FOR MECHANICAL, PLUMBING AND ELECTRICAL WORK PRIOR TO FABRICATION OF SPRINKLER SYSTEM. ANY RELOCATION OF FIRE SPRINKLER SYSTEM REQUIRED FOR PROPER INSTALLATION OF M.E.P. SYSTEMS SHALL BE AT THE CONTRACTOR'S EXPENSE.
18. THE SPRINKLER CONTRACTOR SHALL BASE HIS DESIGN LAYOUT AND BID ON CAREFUL COORDINATION OF THE MECHANICAL, PLUMBING, ELECTRICAL AND STRUCTURAL SYSTEMS IN THE BUILDING.
19. RUN PIPING HORIZONTALLY AND AT RIGHT ANGLES TO WALLS AND CEILINGS. CENTER SPRINKLER HEADS IN BOTH HORIZONTAL DIRECTIONS WITH RESPECT TO CEILING COMPONENTS, SUCH AS CEILING GRID, LIGHT FIXTURES, HVAC DIFFUSERS AND SPEAKERS, AS DIRECTED BY ARCHITECT. SPRINKLER HEADS MUST BE CENTERED IN CEILING GRID PANELS (TYPICAL AT ALL LAY-IN CEILINGS).
20. PROVIDE TEST CONNECTIONS AT MOST REMOTE POINT OF MAIN PORTION OF EACH SPRINKLER SYSTEM.
21. DO NOT PAINT SPRINKLER HEADS.
22. PAINT EXPOSED SPRINKLER PIPING IN FINISHED SPACES PER ARCHITECT'S DIRECTION.
23. SPRINKLER HEADS SHALL HAVE FINISH WITH ESCUTCHEONS PER THE SPECIFICATIONS.

FIRE PROTECTION LEGEND

ABBREVIATION OR SYMBOL	DESCRIPTION
——F——	FIRE PROTECTION SYSTEM

STATE OF ARKANSAS ★★★ REGISTERED PROFESSIONAL ENGINEER ★★★ NO. 9419 MARC WESLEY WHITE 02.14.2025

Batson Inc.
ENGINEERING SOLUTIONS
1300 Brookwood Drive
Little Rock Arkansas 72202
501-664-3311 www.batson.com

CERTIFICATE OF AUTHORIZATION BATSON INC. No. 99 ARKANSAS ENGINEER

WDD ARCHITECTS

PROJECT TITLE

CRAIGHEAD ELECTRIC
MAINTENANCE SHOP ADDITION
4314 STADIUM BLVD.
JONESBORO, ARKANSAS

CONTENTS

FIRE PROTECTION NOTES, LEGEND, INDEX, & MEZZANINE PLAN

REVISIONS

NO.	DATE	DESCRIPTION
1	03/06/25	ADD #1

24-096
JOB. NO.

02.14.2025
DATE

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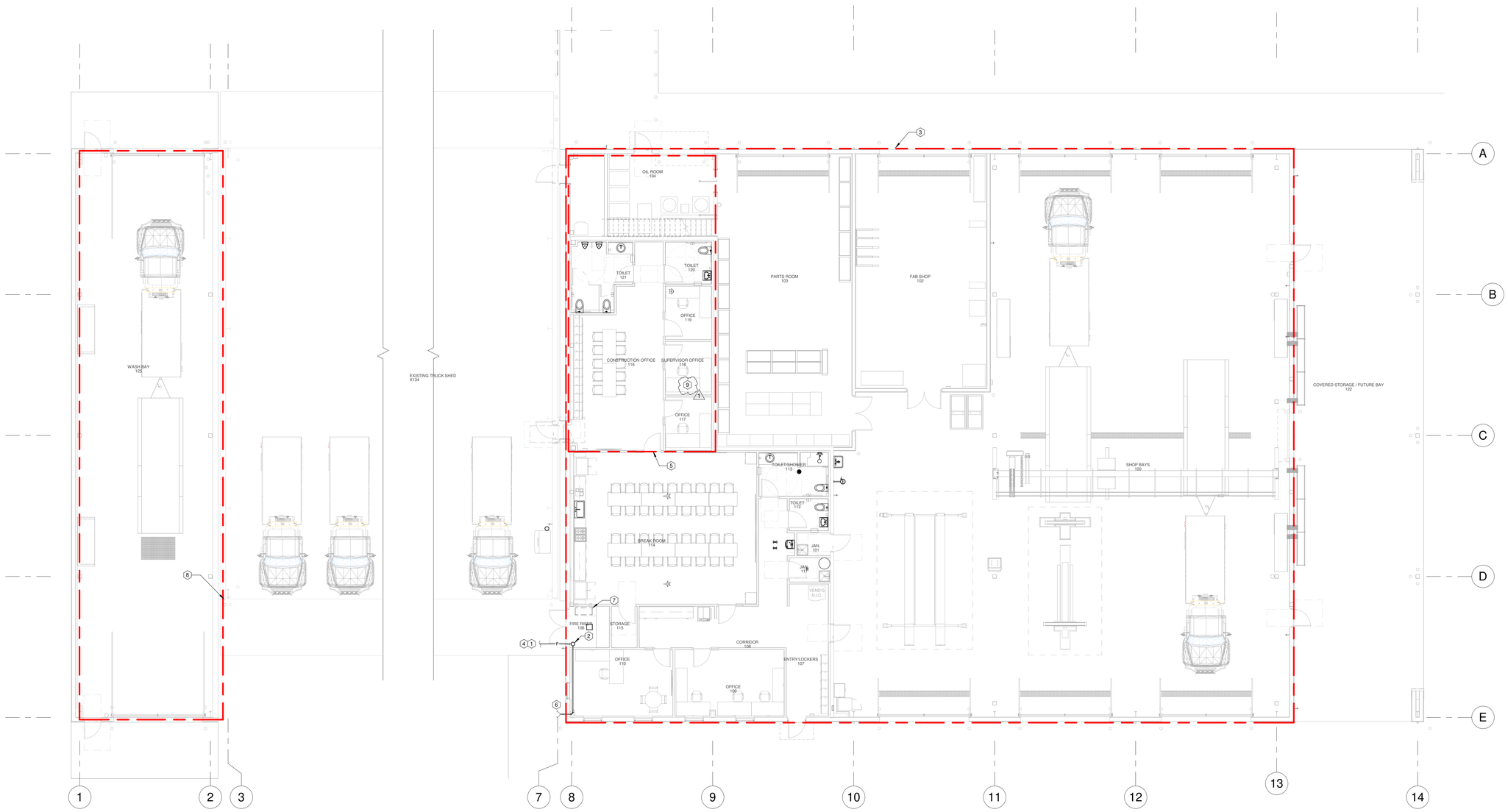
F001



1 / F101 FIRE PROTECTION FLOOR PLAN

1/8" = 1'-0"

KEYED NOTES:

1. SEE CIVIL FOR CONTINUATION.
2. FIRE SERVICE RISES TO DCDA AND WET PIPE RISER.
3. WET PIPE SPRINKLER SYSTEM TO BE PROVIDED FOR BUILDING AS INDICATED BY OUTLINE.
4. ALL FIRE PROTECTION PIPING TO BE SIZED BY FIRE PROTECTION CONTRACTOR.
5. MEZZANINE ABOVE. SEE 1/F001.
6. FIRE DEPARTMENT SIAMESE CONNECTION. COORDINATE EXACT LOCATION WITH FIELD VERIFIED FIRE HYDRANT LOCATION. SEE CIVIL PLANS FOR EXACT LOCATION. PROVIDE 'FDC' SIGN ABOVE WITH MINIMUM 4" RED LETTERS.
7. DOMESTIC WATER BACKFLOW PREVENTER. COORDINATE WITH PLUMBING.
8. NO SPRINKLER SYSTEM IN WASH BAY.
9. BELOW MEZZANINE, SPRINKLER MAINS TO ROUTE OVER LOWER CEILINGS OF OFFICES. BRANCH LINES TO RISE AND ROUTE BETWEEN BEAMS SUPPORTING MEZZANINE. 1

STATE OF ARKANSAS — MARCUS WESLEY WHITE — No. 9419 — ENGINEER — 02.14.2025

Batson Inc.
ENGINEERING SOLUTIONS
1300 Brookwood Drive
Little Rock Arkansas 72202
501-664-3311 www.batson.com

CERTIFICATE OF AUTHORIZATION — BATSON, INC. No. 99 — ARKANSAS ENGINEERING

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FIRE PROTECTION FLOOR PLAN

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1	03/06/25	ADD #1

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