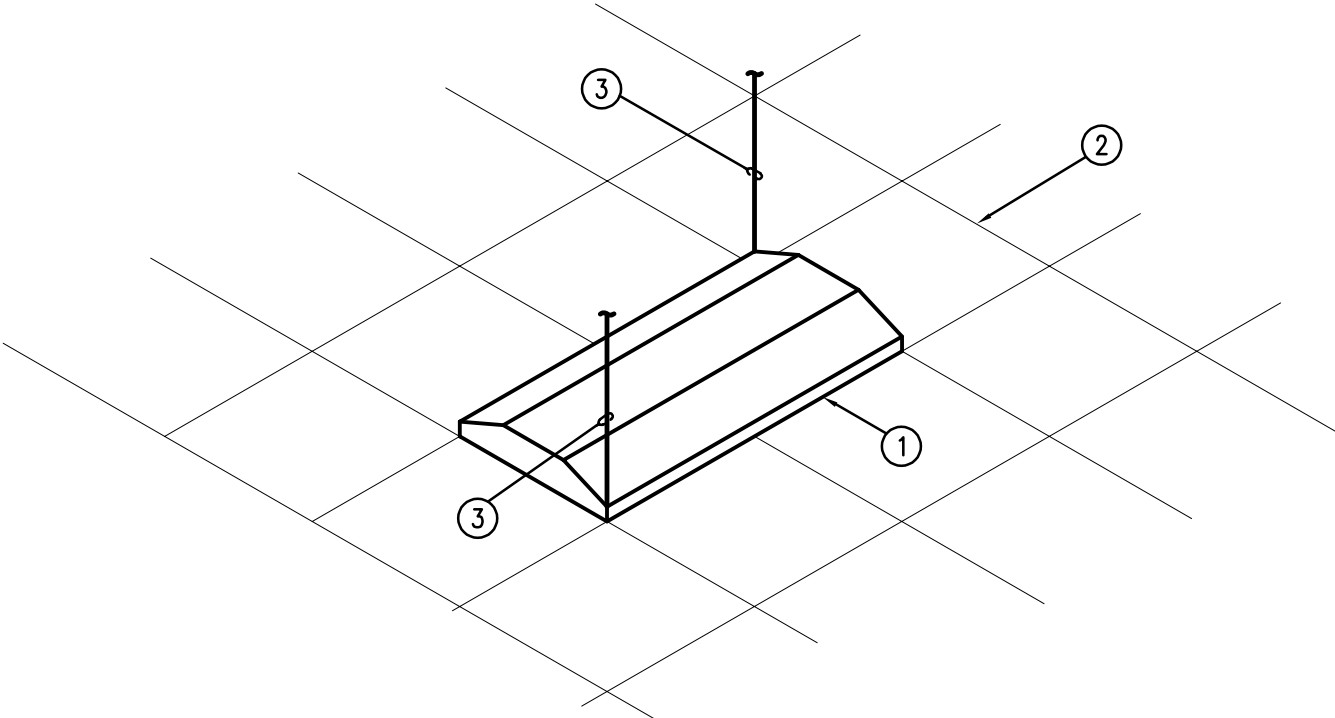


LIGHT FIXTURE SCHEDULE											
TYPE	MANUFACTURER	PART NUMBER	VOLTAGE	TYPE	CCT	CRI	DIMMABLE	DIMMING CONTROLS	MOUNTING	REMARKS	NOTES
A	LITHONIA OR EQUAL	CONTRACTOR SELECT, QUICK SHIP	120	LED	3500	80	YES	YES	SURFACE	2X4 FLAT PANEL CONFIGURABLE, TROFFER, LENS	1,3
B	LITHONIA OR EQUAL	CONTRACTOR SELECT, QUICK SHIP	120	LED	3500	80	YES	NO	SURFACE	4' LINEAR STRIP, LENS	1
C	LITHONIA OR EQUAL	CONTRACTOR SELECT, QUICK SHIP	120	LED	3500	80	YES	NO	WALL	3' LINEAR VANITY, LENS	1
D	LITHONIA OR EQUAL	CONTRACTOR SELECT, QUICK SHIP	120	LED	3500	80	YES	NO	SURFACE	9" DECORATIVE ROUND, LENS	1
E	LITHONIA OR EQUAL	CONTRACTOR SELECT, QUICK SHIP	120	LED	3500	80	YES	YES	RECESSED	6" DOWNLIGHT, LENS	1,3
F	LITHONIA OR EQUAL	CONTRACTOR SELECT, QUICK SHIP	120	LED	---	---	NO	NO	WALL	EGRESS, TWO HEAD, LENS, BATTERY, LOW PROFILE	1
G	LITHONIA OR EQUAL	CONTRACTOR SELECT, QUICK SHIP	120	LED	----	----	YES	NO	WALL	EGRESS SCONCE, LENS, BATTERY, EXTERIOR	1
H	LITHONIA OR EQUAL	CONTRACTOR SELECT, QUICK SHIP	120	LED	3500	80	NO	NO	SURFACE	12" DECORATIVE CANOPY, LENS, EXTERIOR	1,4
J	LITHONIA OR EQUAL	CONTRACTOR SELECT, QUICK SHIP	120	LED	3500	80	YES	NO	WALL	4' LINEAR VANITY, LENS	1
K	LITHONIA OR EQUAL	CONTRACTOR SELECT, QUICK SHIP	120	LED	3500	80	YES	NO	CHAIN	20"x20" HIGH BAY, HIGH LUMEN, LENS	1
L	LITHONIA OR EQUAL	CONTRACTOR SELECT, QUICK SHIP	120	LED	3500	80	YES	NO	RECESSED GRID	2X4 FLAT PANEL CONFIGURABLE, TROFFER, LENS	1,3
M	LITHONIA OR EQUAL	CONTRACTOR SELECT, QUICK SHIP	120	LED	3500	80	NO	NO	WALL	WALL PACK, 250W LED EQUIV, LENS, EXTERIOR	1,4
N	LITHONIA OR EQUAL	CONTRACTOR SELECT, QUICK SHIP	120	LED	3500	80	NO	NO	WALL	4' WORK BENCH TASK STRIP. DOWNLIGHT SHIELDING, LENS	1
EX	LITHONIA OR EQUAL	CONTRACTOR SELECT, QUICK SHIP	120	LED	---	---	NO	NO	UNIVERSAL	EXIT, GREE/RED LED, ONE FACE, LENS, BATTERY,	1,2
EX1	LITHONIA OR EQUAL	CONTRACTOR SELECT, QUICK SHIP	120	LED	---	---	NO	NO	UNIVERSAL	EXIT, GREE/RED LED, TWO FACE, LENS, BATTERY,	1,2
ALL LIGHT FIXTURES SHALL BE ENERGY STAR OR DLC COMPLIANT. ALL FIXTURES SHALL BE LENSED WITH OPACITY DESIGNED TO REDUCE GLARE											

- NOTES:
- FINISH COLOR TO BE DETERMINED DURING SUBMITTAL REVIEW FROM MANUFACTURES STANDARD COLOR SELECTION.
 - VERIFY LETTER COLOR WITH AHJ BEFORE ORDERING.
 - PROVIDE DIMMING CONTROLS WIRING AS NEEDED.
 - CONTROLLED VIA PHOTOCELL.

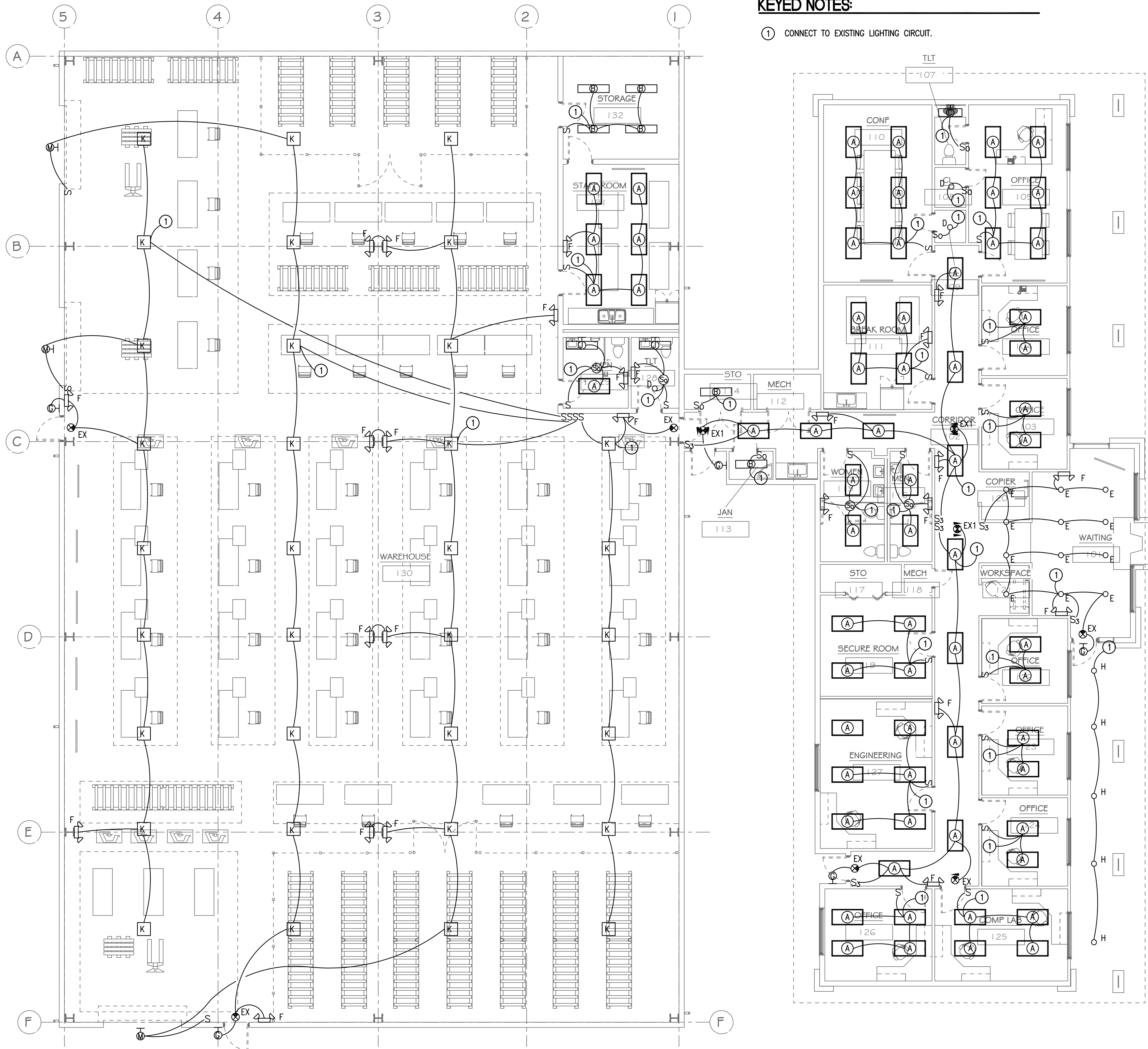


LIGHT FIXTURE DETAIL NOTES:

- 2'x2' OR 2'x4' LAY-IN LIGHT FIXTURE.
- SUSPENDED CEILING.
- TIE WIRE; CONNECT A MINIMUM OF (2) OPPOSITE CORNERS OF FIXTURE TO STRUCTURE ABOVE INDEPENDENT OF OTHER CEILING SUPPORTS.

2 TYPICAL LAY-IN FIXTURE SUPPORT

SCALE: NONE

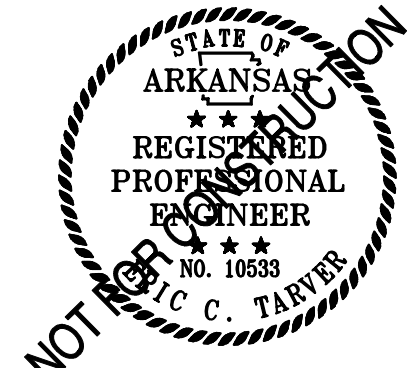


KEYED NOTES:

- CONNECT TO EXISTING LIGHTING CIRCUIT.

1 LIGHTING PLAN - MAIN OFFICE / FINAL ASSEMBLY

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



No.	Description	Date



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SHEET TITLE:

LIGHT. PLAN - MAIN OFFICE / FA
Campus Renovation for OSKI

PROJECT TITLE:

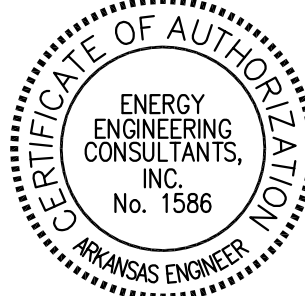
AGENCY PROJECT #:

2000 Redmond Rd
Jacksonville, AR 72076

LOCATION:



10 CORPORATE HILL DR., STE. 100 PH: (501) 244-0511
LITTLE ROCK, AR 72205 FX: (501) 244-0241



DATE

8/13/2026

SHEET #

E1.1

Project #

26-19

X of X

SYMBOLS SCHEDULE		
SYMBOL	DESCRIPTION	
	BRANCH CIRCUIT IN CONDUIT - (LEFT TO RIGHT) SWITCH LEG, PHASE LEG, NEUTRAL, ISOLATED GROUND, AND EQUIPMENT GROUND.	
	ARROWHEAD INDICATES BRANCH CIRCUIT HOMERUN - PNL AND CKT NO. SHOWN COMMAS IN "1,3,5" INDICATES 1, 3 AND 5 ARE INDIVIDUAL 1-PHASE CIRCUITS.	
	INDICATES CONDUIT CONCEALED IN OR BELOW FLOOR SLAB OR BFG.	
	CONDUIT UP (FULL CIRCLE).	
	CONDUIT DOWN (PARTIAL CIRCLE).	
	CONDUIT SLEEVE THRU WALL. CONDUIT BUSHING FOR EXITING CABLES.	
	CONDUIT OR CIRCUIT CONTINUATION.	
	LIGHT FIXTURE. UPPER CASE LETTER(S) INDICATE FIXTURE TYPE-SEE FIXTURE SCHEDULE. LOWER CASE LETTER (IF PRESENT) INDICATES SWITCHING SCHEME. REFER TO SWITCH WITH SAME LOWER CASE LETTER.	
	EMERGENCY LIGHT FIXTURE. EMERGENCY DESIGNATION IS INDICATED BY DIAGONAL SHADING OR MAY BE INDICATED BY "EM" ADJACENT TO FIXTURE. CONNECTED TO EMERGENCY POWER SYSTEMS.	
	STRIP LIGHT - CEILING MOUNTED OR CHAIN HUNG	
	STRIP LIGHT - WALL MOUNTED	
	LIGHT FIXTURE - WALL MOUNTED	
	DOWNLIGHT FIXTURES - CEILING MTD	
	LIGHT FIXTURE - WALL MOUNTED	
	EXIT LIGHTS - WALL MT. & CEILING MT. SHOWN - ARROW INDICATES FACE(S), DIRECTIONAL ARROWS SHALL BE AS SHOWN ON PLANS	
	JUNCTION BOX	
	DISCONNECT SWITCH	
	SURFACE MOUNTED PANELBOARD SHOWN ADJACENT TO ARCHITECTURAL WALL	
	SINGLE-POLE TOGGLE SWITCH	
	THREE-WAY TOGGLE SWITCH	
	DIMMER CONTROL SWITCH OR STATION	
	30A MANUAL MOTOR STARTER WITH OVERLOADS, TOGGLE OPERATED	
	TELEVISION OUTLET. BOX, CONDUIT, AND COVERPLATE ONLY.	
	DUPLEX RECEPTACLE	
	QUADPLEX RECEPTACLE (4-PLEX).	
	SPECIAL DUPLEX RECEPTACLE GROUND FAULT INTERRUPTING, SURGE PROTECTION, WEATHERPROOF, TAMPER PROOF AND ABOVE COUNTER TYPES INDICATED.	
	SPECIAL PURPOSE RECEPTACLE	
	COMPUTER DATA OUTLET, PHONE OUTLET, COMBINATION DATA, TELEPHONE OUTLET NUMBER INDICATES QUANTITY OF JACKS	
	FIRE ALARM AUDIO/VISUAL DEVICE	
	FIRE ALARM STROBE ONLY	
	FIRE ALARM PULL STATION	
	HEAT DETECTOR	
	SMOKE DETECTOR	
	DUCT SMOKE DETECTOR	
	TAMPER SWITCH	
	FLOW SWITCH	
	PHOTOCELL	
	ANNUNCIATOR PANEL	
	AC	
	AFF	
	ETR	
	GFI	
	NF	
	WP	

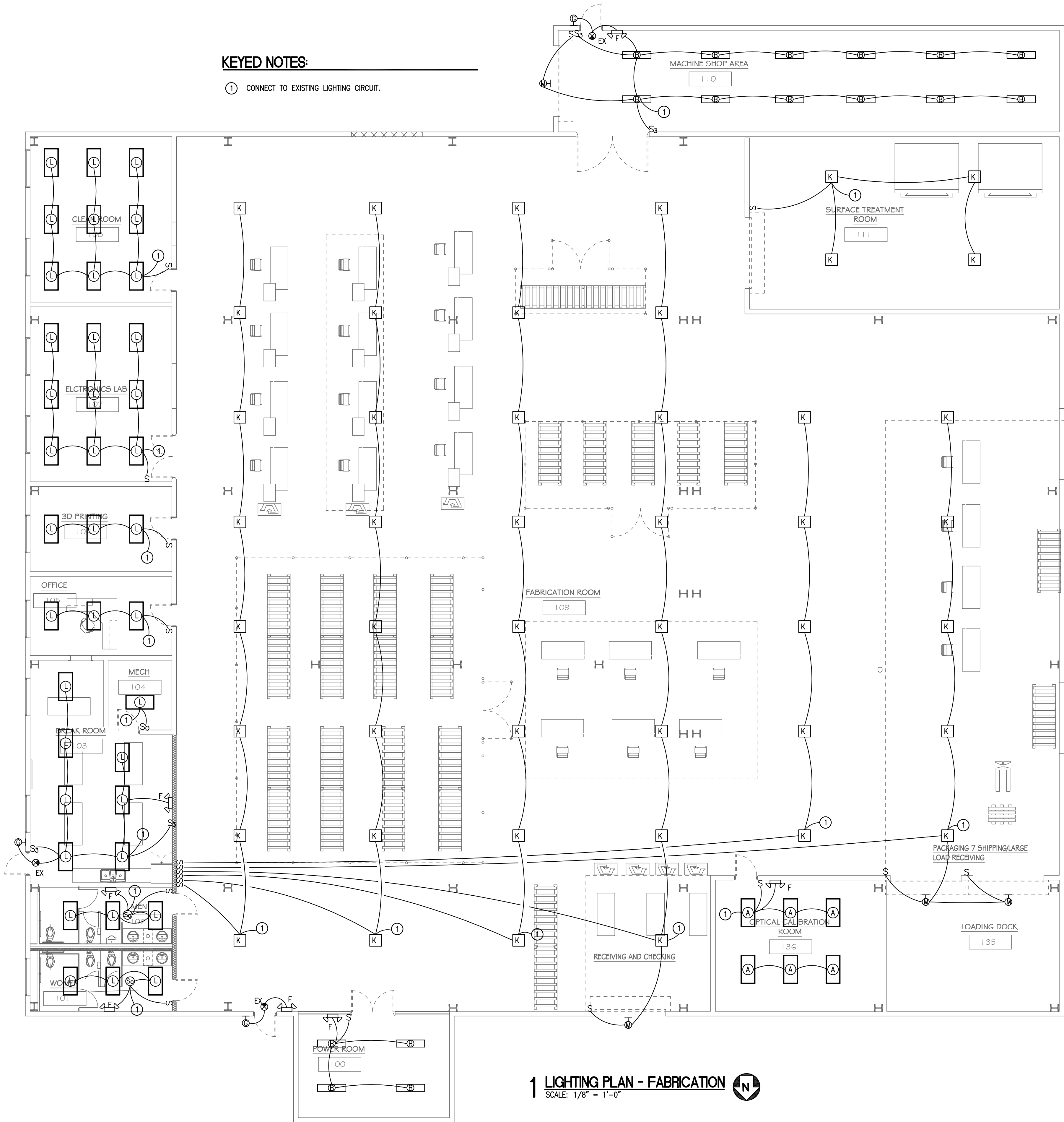
SYMBOLS SCHEDULE NOTES:
1. NOT ALL SYMBOLS MAY APPLY TO THIS PROJECT.
2. SYMBOLS SHOWN DASHED ON PLANS INDICATES EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC..

GENERAL NOTES (ALL ELECTRICAL SHEETS)

- EACH CIRCUIT SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR, AND MULTI-WIRE CIRCUITS OF DIFFERENT PHASES MAY NOT SHARE EQUIPMENT GROUND. EQUIPMENT GROUND CONDUCTOR SIZE SHALL NOT BE LESS THAN #12 AWG OR AS INDICATED ON THE DRAWINGS.
- ALL CONDUCTORS #10 AND SMALLER SHALL BE SOLID COPPER AND ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED COPPER USING BOLTED LUGS AT TERMINALS.
- MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE NOTED ON DRAWINGS. ALL CONDUITS SHALL BE CONCEALED UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- MINIMUM WIRE SIZE SHALL BE #12 AWG UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- ALL WORK SHALL COMPLY WITH THE LATEST (2023) EDITION OF THE NATIONAL ELECTRIC CODE (NFPA 70 NEC) AND ANY APPLICABLE LOCAL CODES.
- ALL ELECTRICAL EQUIPMENT (CONDUIT, BOXES, SUPPORTS, ETC) INSTALLED IN ALL EXPOSED CEILING AREAS SHALL BE PAINTED AS DIRECTED BY THE ARCHITECT.
- ELECTRICAL CONTRACTOR SHALL CLOSELY COORDINATE WITH MECHANICAL AND PLUMBING CONTRACTORS FOR EXACT LOCATION OF ALL HVAC AND PLUMBING EQUIPMENT.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SIZING OF ALL MOTOR OVERLOAD DEVICES (HEATERS) IN STARTERS BASED UPON ACTUAL NAMEPLATE RATINGS ON THE MOTORS BEING INSTALLED.
- ALL 15A AND 20A, 115V AND 250V NON-LOCKING RECEPTACLES SHALL BE TAMPER-PROOF TYPE.

KEYED NOTES:

- ① CONNECT TO EXISTING LIGHTING CIRCUIT.



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



No.	Description	Date



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SHEET TITLE:

LIGHTING PLAN - FABRICATION
Campus Renovation for OSKI

PROJECT TITLE:

AGENCY PROJECT #:

2000 Redmond Rd
Jacksonville, AR 72076

LOCATION:



10 CORPORATE HILL DR., STE. 100
LITTLE ROCK, AR 72205
PH: (501) 244-0511
FX: (501) 244-0241

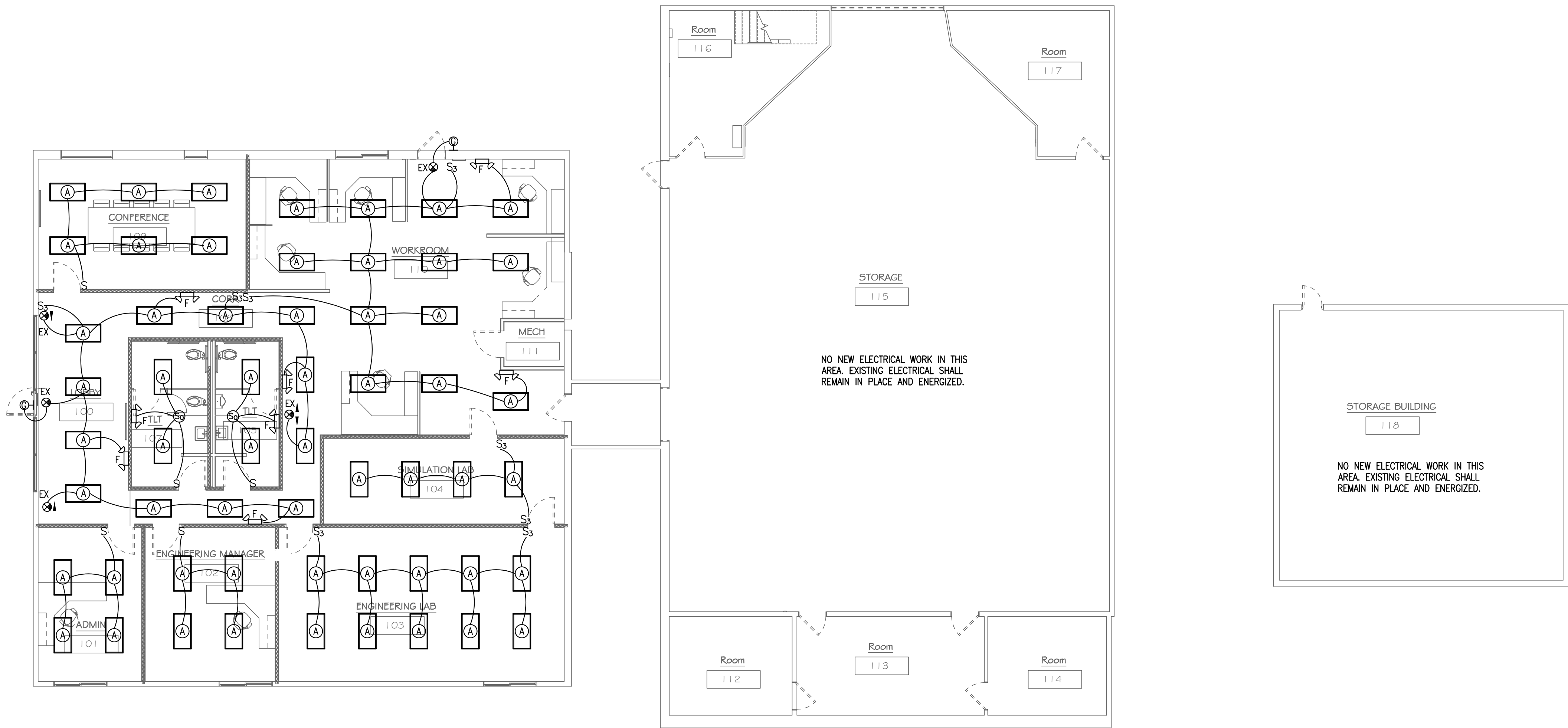


DATE 8/13/2026

SHEET # **E1.2**

Project # **26-19**

X of X



1 LIGHTING PLAN - R AND D / STORAGE
SCALE: 1/8" = 1'-0"



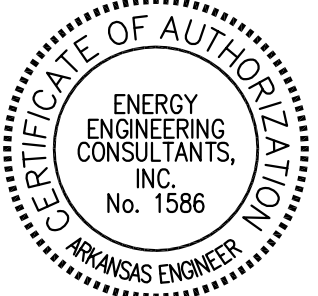
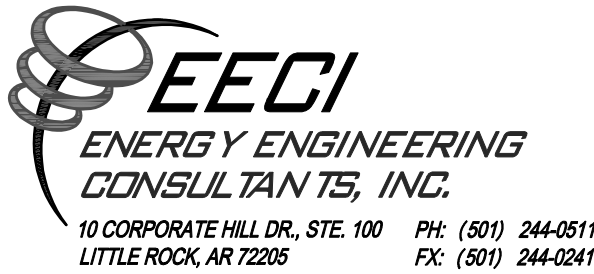
No.	Description	Date



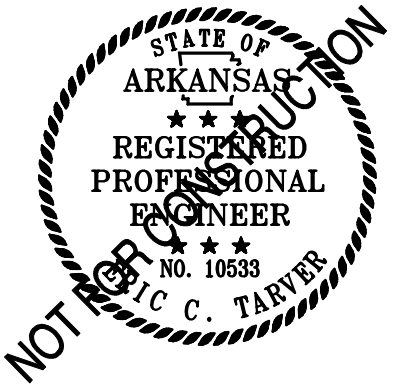
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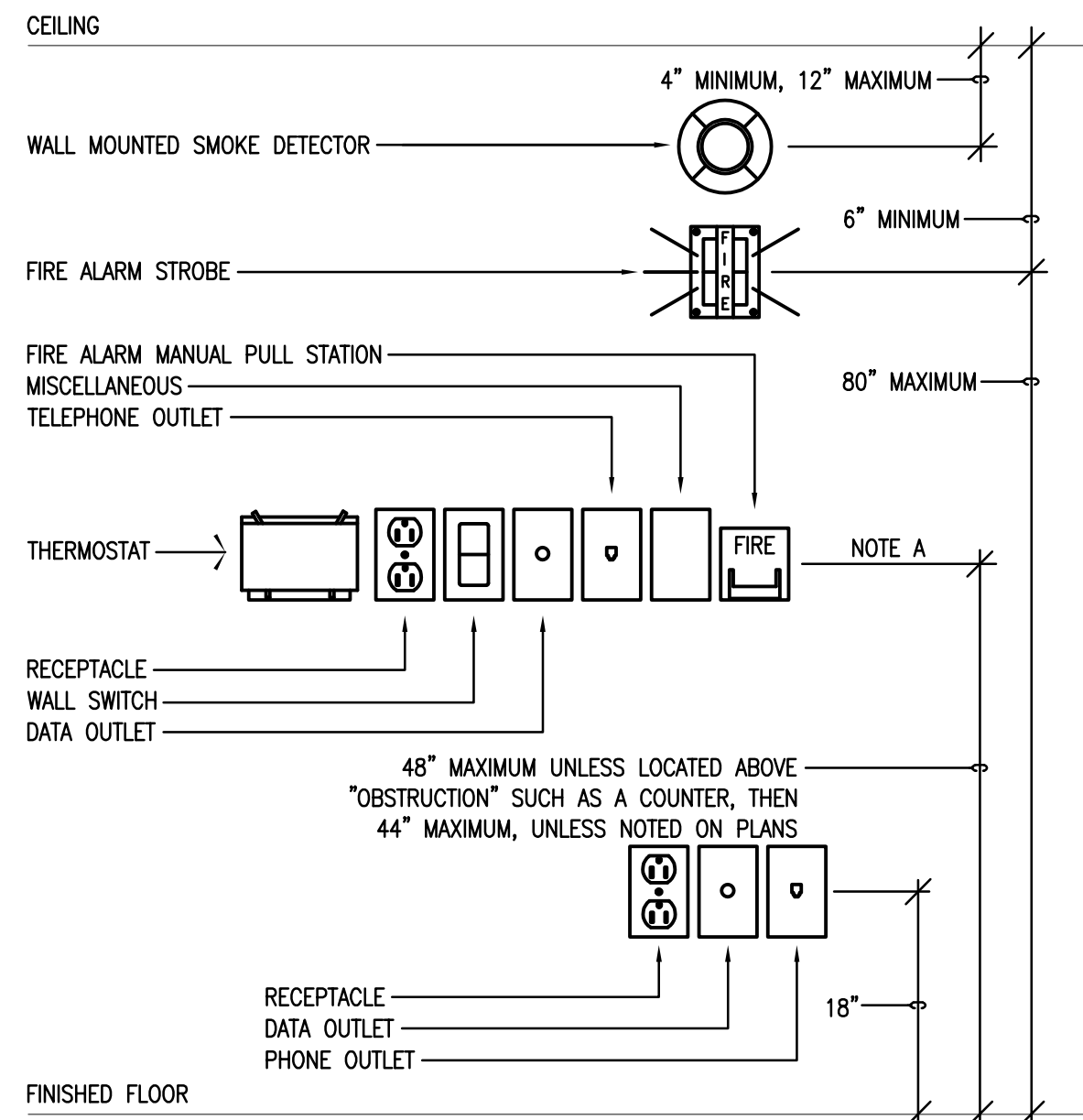


SHEET TITLE: **LIGHT. PLAN - R AND D / STORAGE**
PROJECT TITLE: **Campus Renovation for OSKI**
AGENCY PROJECT #: 2000 Redmond Rd
LOCATION: Jacksonville, AR 72076



DATE: 8/13/2026
SHEET #: **E1.3**
Project #: **26-19**
X of X



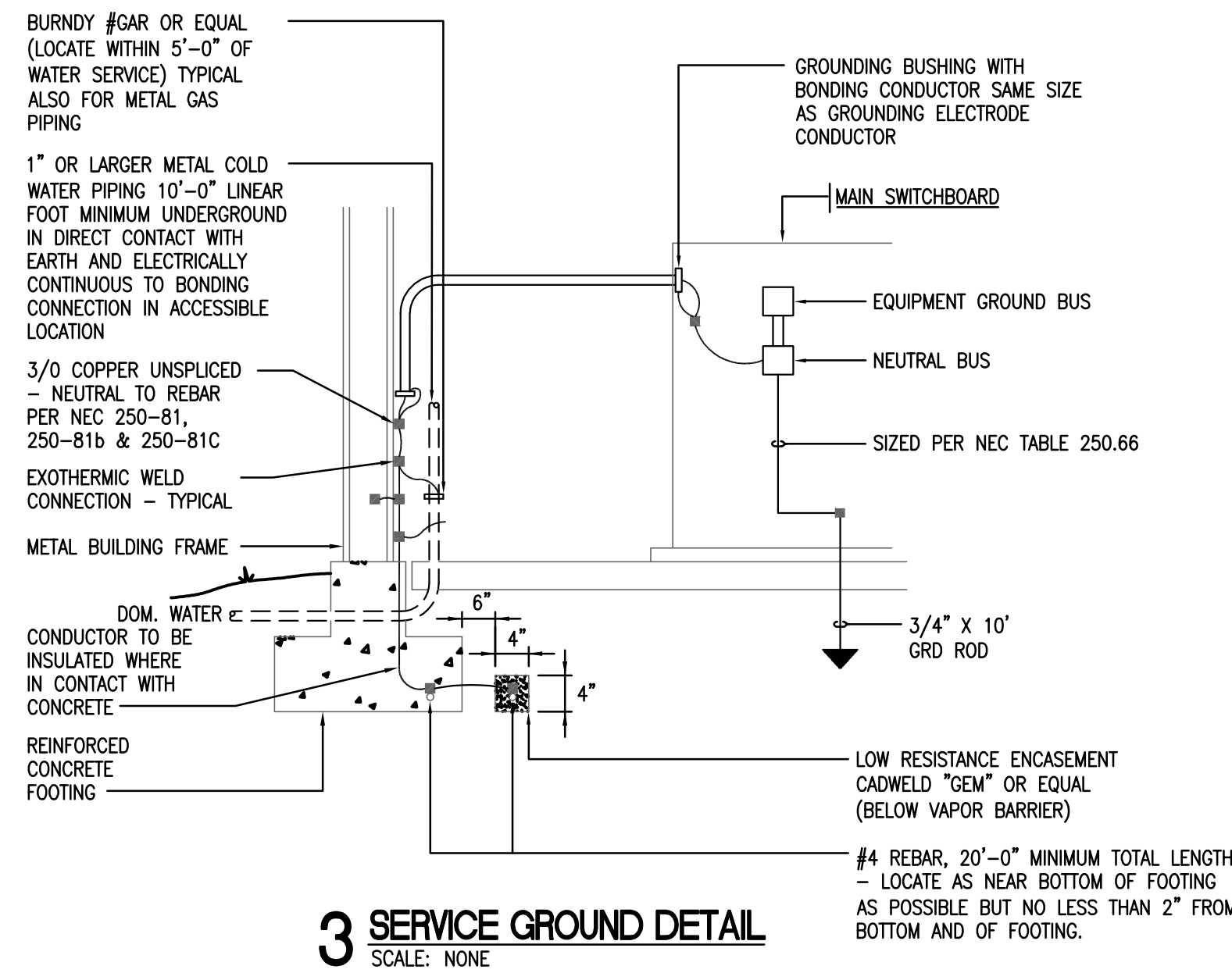


GENERAL MOUNTING HEIGHT NOTES:

- A. COORDINATE WITH ARCHITECT FOR EXACT LOCATION AND ELEVATION OF ALL DEVICES IN PROXIMITY TO SINKS, COUNTERTOPS, BACK SPLASHES, CABINETS AND ARCHITECTURAL FEATURE ELEMENTS.

2 TYPICAL DEVICE MOUNTING HEIGHTS

SCALE: NONE

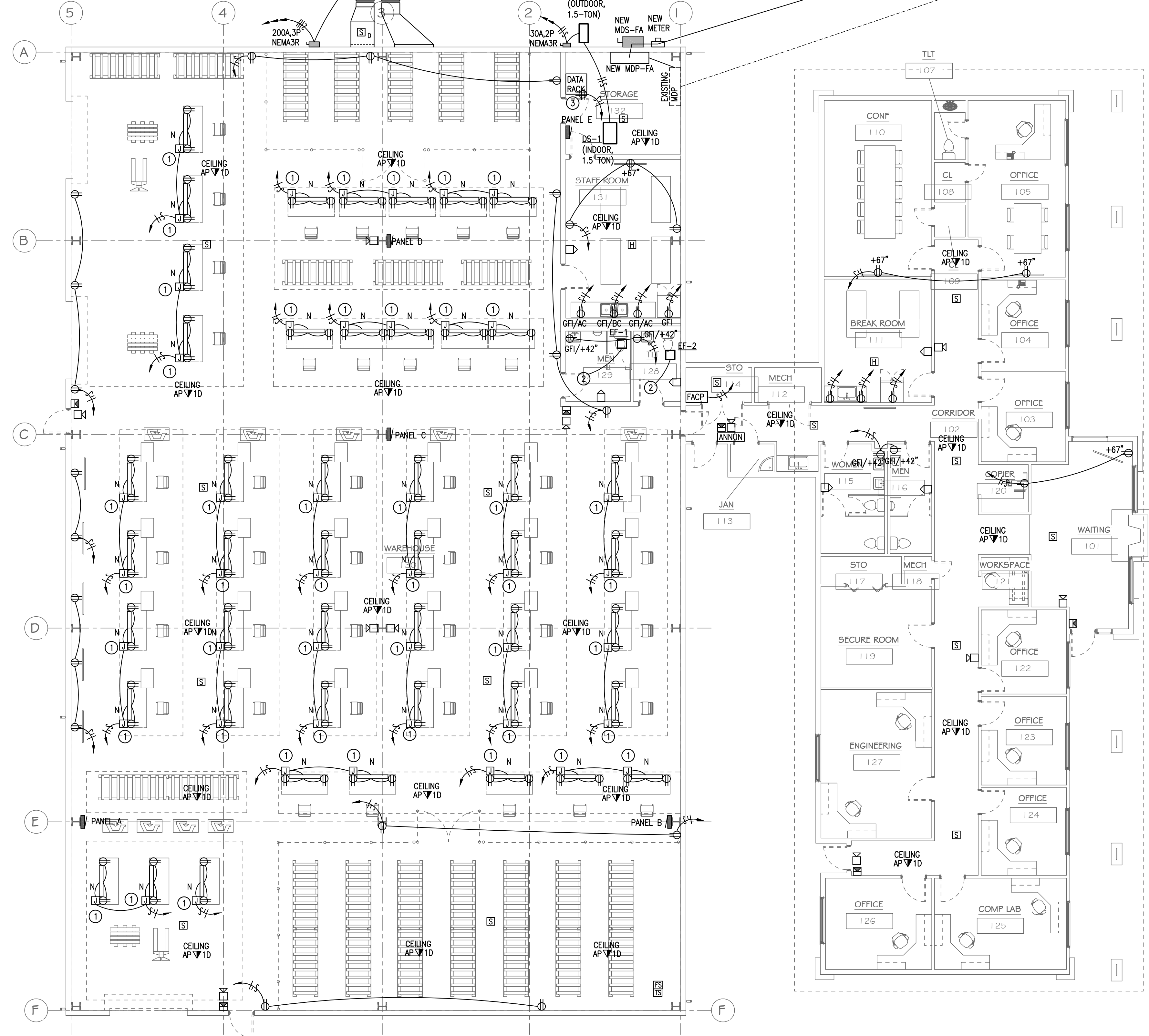


3 SERVICE GROUND DETAIL

SCALE: NONE

KEYED NOTES:

- 1 SO CORD DROP FROM CEILING TO WORK BENCH.
2 SWITCH EXHAUST FAN WITH ROOM LIGHTS.
3 DATA CABLE TO AP DEVICES SHALL BE CAT 6.



1 POWER AND SYSTEMS PLAN - MAIN OFFICE / FINAL ASSEMBLY

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



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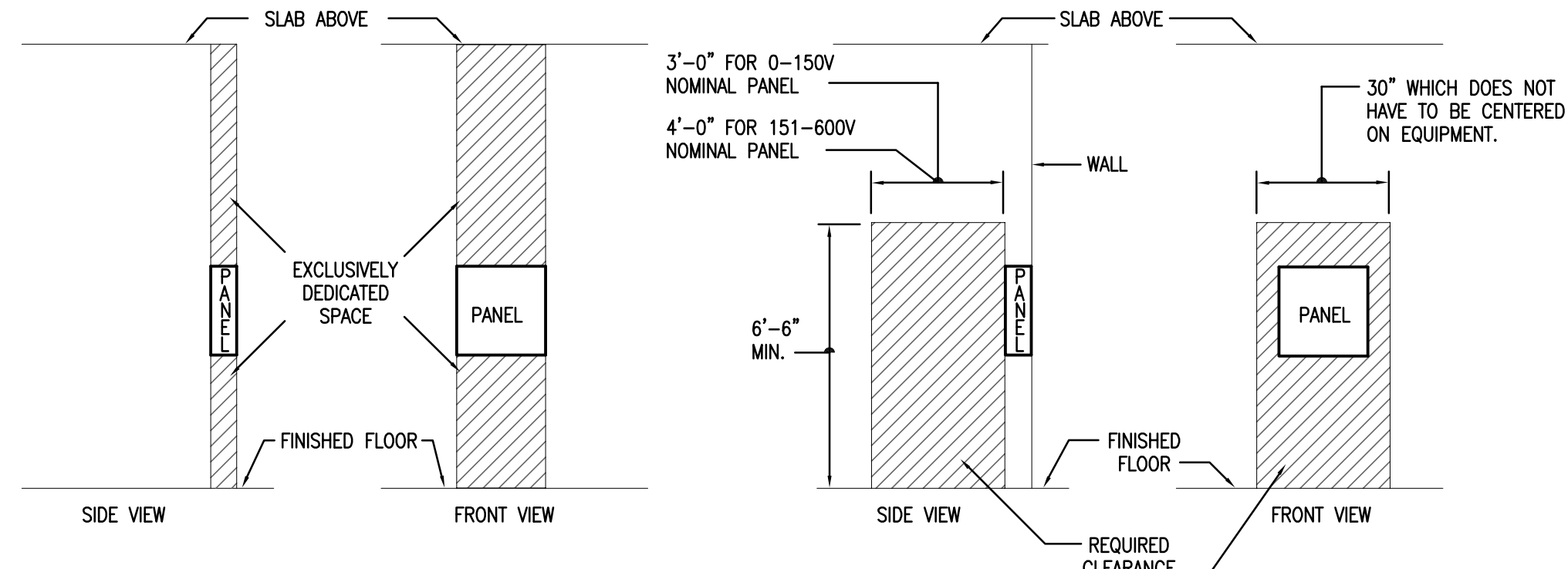
SHEET TITLE: **P AND S PLAN - MAIN OFFICE / FA**
PROJECT TITLE: **Campus Renovation for OSKI**
AGENCY PROJECT #: 2000 Redmond Rd
LOCATION: Jacksonville, AR 72076

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ENERGY ENGINEERING
CONSULTANTS, INC.
10 CORPORATE HILL DR., STE. 100 PH: (501) 244-0511
LITTLE ROCK, AR 72205 FX: (501) 244-0241

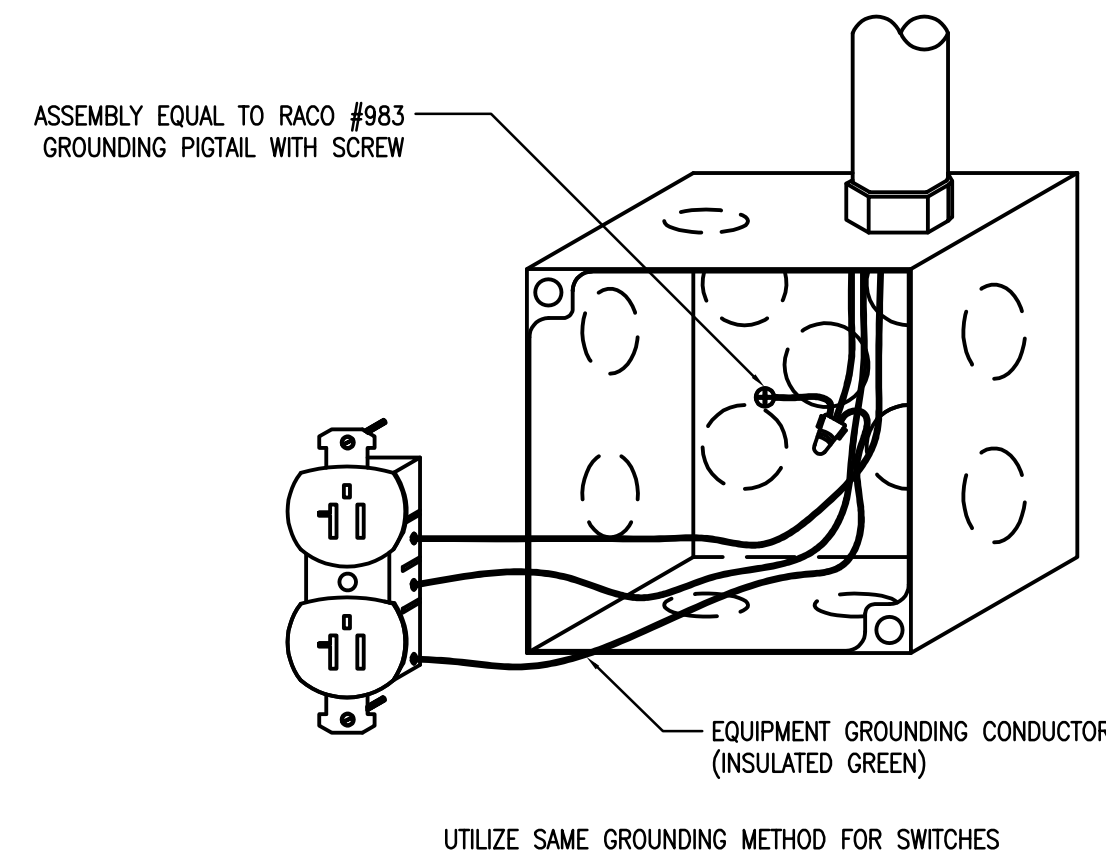
CERTIFICATE OF AUTHORIZATION
ENERGY ENGINEERING
CONSULTANTS,
INC.
No. 1586
ARKANSAS ENGINEER

DATE: 8/13/2026
SHEET #: **E2.1**
Project #: **26-19**
X of X

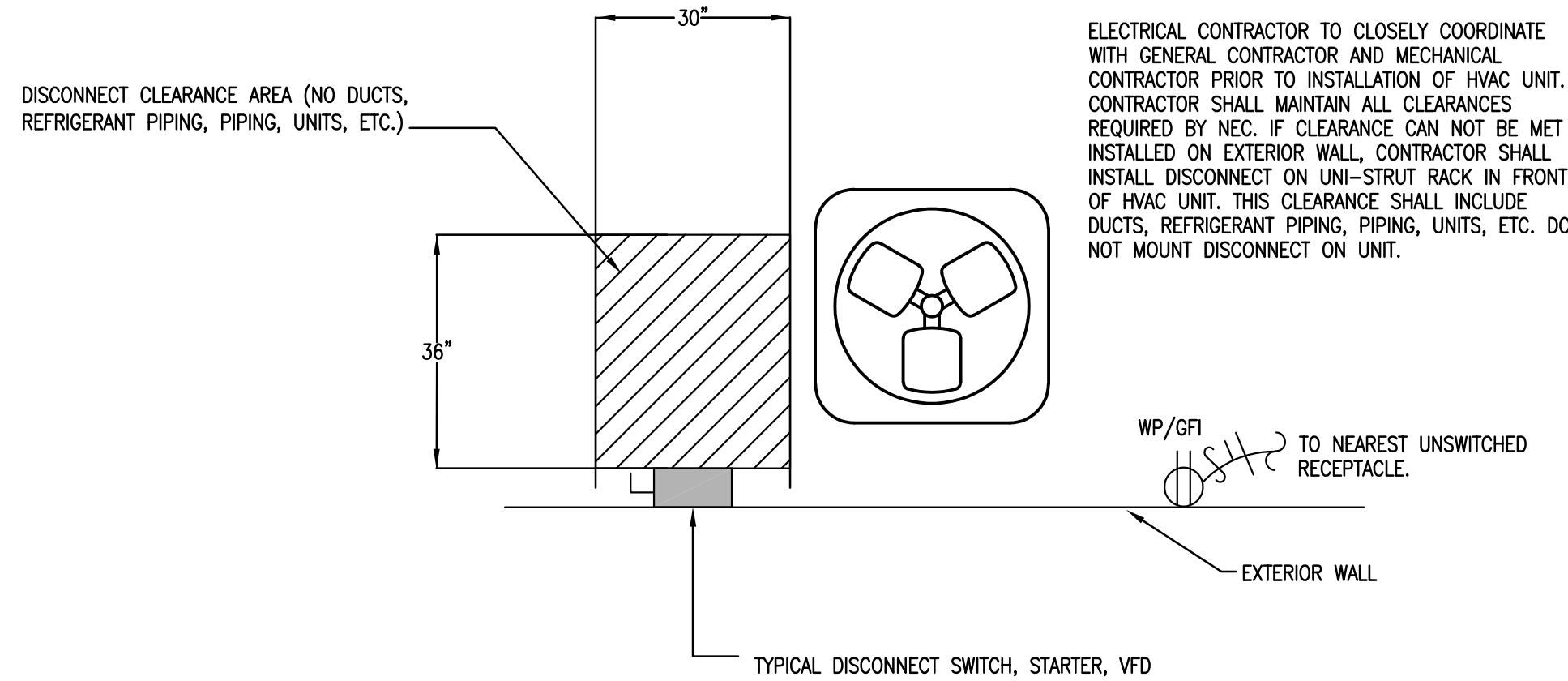
NOT FOR CONSTRUCTION
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10533
MICHAEL C. TAYLOR



2 TYPICAL PANELBOARD REQUIRED CLEARANCE
SCALE: NONE



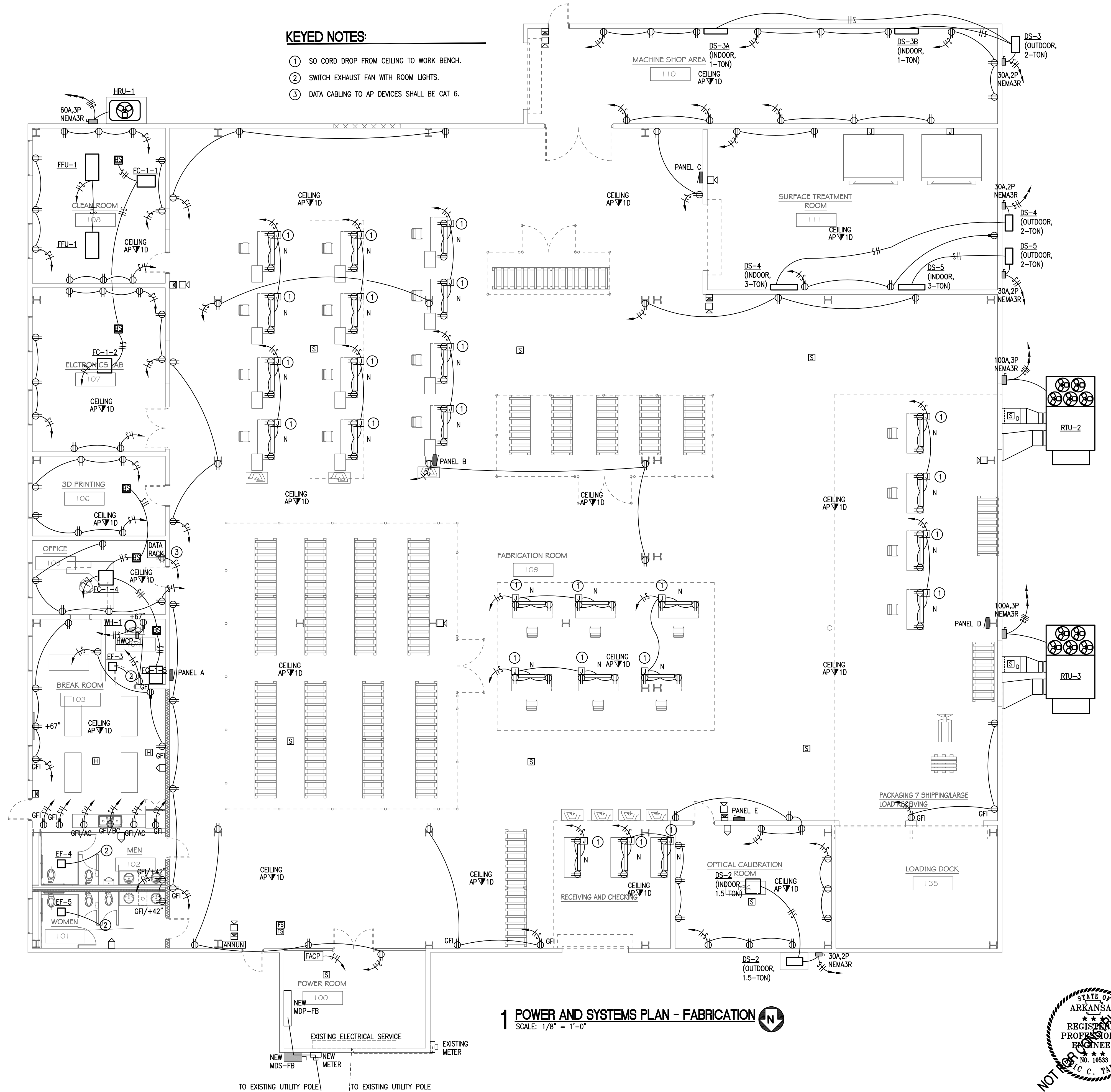
3 DEVICE/JUNCTION BOX GROUNDING
SCALE: NONE



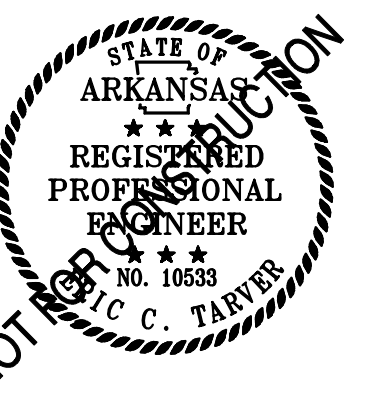
4 HVAC UNIT DISCONNECT CLEARANCE DETAIL
SCALE: NONE

KEYED NOTES:

- 1 SO CORD DROP FROM CEILING TO WORK BENCH.
- 2 SWITCH EXHAUST FAN WITH ROOM LIGHTS.
- 3 DATA CABLING TO AP DEVICES SHALL BE CAT 6.



1 POWER AND SYSTEMS PLAN - FABRICATION
SCALE: 1/8" = 1'-0"



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SHEET TITLE: **P AND S PLAN - FABRICATION**
PROJECT TITLE: **Campus Renovation for OSKI**
AGENCY PROJECT #: 2000 Redmond Rd
LOCATION: Jacksonville, AR 72076

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CERTIFICATE OF AUTHORIZATION
ENERGY ENGINEERING
CONSULTANTS, INC.
No. 1586
ARANSAS ENGINEER

DATE: 8/13/2026
SHEET #: **E2.2**
Project #: **26-19**
X of X

KEYED NOTES:

- ① SWITCH EXHAUST FAN WITH ROOM LIGHTS.
② DATA CABLING TO AP DEVICES SHALL BE CAT 6.

TO UTILITY POLE. COORDINATE
UPGRADES WITH UTILITY

OVERHEAD SECONDARY

EXISTING ELECTRICAL SERVICE IS 240V
HIGH-LEG DELTA, 2 X 200A, 3P. CONVERT
SERVICE TO 208V, 3PH WYE FOR NEW
RENOVATION. BACK FEED STORAGE BUILDING.

UNDERGROUND
FEEDER

MAINTAIN POWER ON
STORAGE BUILDING

EXISTING
PANEL

STORAGE
115

NO NEW ELECTRICAL WORK IN THIS
AREA. EXISTING ELECTRICAL SHALL
REMAIN IN PLACE AND ENERGIZED.

STORAGE BUILDING
118

NO NEW ELECTRICAL WORK IN THIS
AREA. EXISTING ELECTRICAL SHALL
REMAIN IN PLACE AND ENERGIZED.

1 POWER AND SYSTEMS PLAN - R AND D / STORAGE

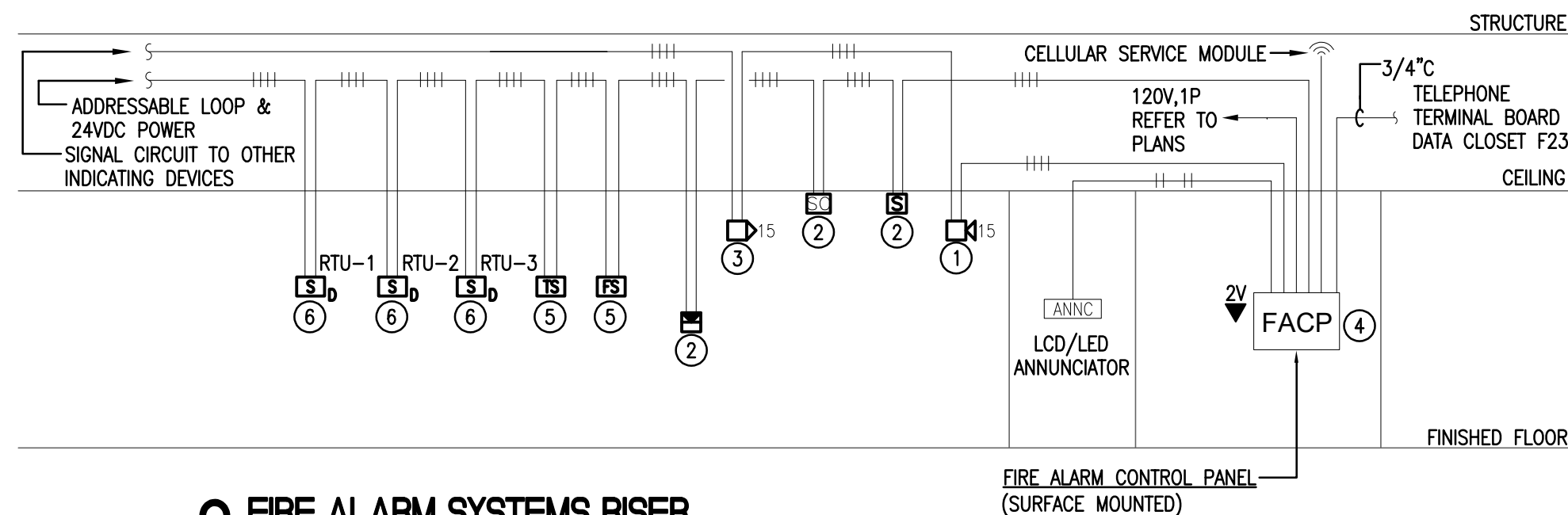
SCALE: 1/8" = 1'-0"

FIRE ALARM RISER KEYED NOTES:

- ① TYPICAL A/V DEVICE, COMBINATION SPEAKER
STROBE. SPEAKER POWER TAP SETTINGS
SHALL BE AS REQUIRED FOR THE SPACE IN
WHICH THE INDIVIDUAL SPEAKER IS LOCATED.
② TYPICAL ADDRESSABLE FIRE ALARM INITIATING
DEVICE.
③ TYPICAL FIRE ALARM STROBE-ONLY DEVICE.
④ AUTODIALER WITH TWO (2) PHONE LINE
CONNECTIONS.
⑤ TYPICAL FLOW AND TAMPER SWITCHES
MONITORED BY INDIVIDUAL ADDRESSABLE
MODULES.
⑥ TYPICAL DUCT SMOKE DETECTOR.

2 FIRE ALARM SYSTEMS RISER

SCALE: NONE



FIRE ALARM GENERAL NOTES

1. ALL FIRE ALARM WIRING, (TYPE, QUANTITIES, ETC.), SHALL BE PER THE
FIRE ALARM SYSTEM MANUFACTURER'S REQUIREMENTS AND
RECOMMENDATIONS. WIRING CLASS CONFIGURATIONS AND MINIMUM SIZES
SHALL BE AS NOTED ON DRAWINGS AS SPECIFIED IN DIVISION 16 OF
THE SPECIFICATIONS.
2. ALL FIRE ALARM CIRCUITRY SHALL BE IN CONDUIT. MINIMUM CONDUIT
SIZE SHALL BE 3/4\".

FIRE ALARM SEQUENCE OF OPERATION

TROUBLE SEQUENCE OF OPERATION

SYSTEM OR CIRCUIT TROUBLE, PLACES SYSTEM IN TROUBLE MODE WHICH
CAUSES THE FOLLOWING SYSTEM OPERATIONS:

1. VISUAL AND TROUBLE ALARM INDICATED BY DEVICE ADDRESS AT
THE FIRE ALARM CONTROL PANEL.
2. MANUAL ACKNOWLEDGE FUNCTION AT FIRE ALARM CONTROL
PANEL SILENCES AUDIBLE TROUBLE ALARM; VISUAL ALARM IS
DISPLAYED UNTIL INITIATING FAILURE OR CIRCUIT TROUBLE IS
CLEARED.

ALARM SEQUENCE OF OPERATION

ACTUATION OF ANY INITIATING DEVICE(S) PLACES SYSTEM IN ALARM
MODE, WHICH CAUSES THE FOLLOWING SYSTEM OPERATIONS:

1. SOUND AND DISPLAY ALL LOCAL FIRE ALARM AUDIBLE AND
VISUAL APPLIANCES.
2. INDICATE BY ADDRESS OF DEVICE(S) LOCATION OF ALARM ON
FIRE ALARM CONTROL PANEL.
3. ALARM SIGNAL TRANSMITTED TO MUNICIPAL CONNECTION.
4. SHUTDOWN OF AIR HANDLING UNITS EQUIPPED WITH DUCT
SMOKE DETECTORS SHALL BE INITIATED BY AFFECTED DUCT
SMOKE DETECTORS.

PANELBOARD: RD			VOLTAGE: 208/120		BUS RATING: 200A		MAIN: MLO		TOTAL CONNECTED VA: 0						
LOCATION: RD INTERIOR		MFG. AND TYPE:	SQUARE D, EATON OR EQUAL	EQUIPMENT GROUND BUSS			YES	ISOL GND BUS:	NO	TOTAL A PHASE: 0					
MOUNTING: SURFACE		ENCLOSURE:NEMA1	MINIMUM A.I.C. RATING: 10,000			FED FROM: MDS-RD		TOTAL B PHASE: 0							
								TOTAL C PHASE: 0							
LOAD (VA)								SERVES			LOAD (VA)				
A	B	C	T/P	CIR. NO.	A	B	C	CIR. NO.	T/P				A	B	C
			20/1	1	-	-	-	2	20/1						
			20/1	3	-	-	-	4	20/1						
			20/1	5	-	-	-	6	20/1						
			20/1	7	-	-	-	8	20/1						
			20/1	9	-	-	-	10	20/1						
			20/1	11	-	-	-	12	20/1						
			20/1	13	-	-	-	14	20/1						
			20/1	15	-	-	-	16	20/1						
			20/1	17	-	-	-	18	20/1						
			20/1	19	-	-	-	20	20/1						
			20/1	21	-	-	-	22	20/1						
			20/1	23	-	-	-	24	20/1						
			20/1	25	-	-	-	26	20/1						
			20/1	27	-	-	-	28	20/1						
			20/1	29	-	-	-	30	20/1						
			20/1	31	-	-	-	32	20/1						
			20/1	33	-	-	-	34	20/1	SPARE					
			20/1	35	-	-	-	36	30/2	SPARE					
			20/1	37	-	-	-	38	20/1	SPARE					
			20/1	39	-	-	-	40	20/1	SPARE					
			20/1	41	-	-	-	42	20/1	SPARE					
0	0	0	SIDE TOTALS			SIDE TOTALS						0	0	0	

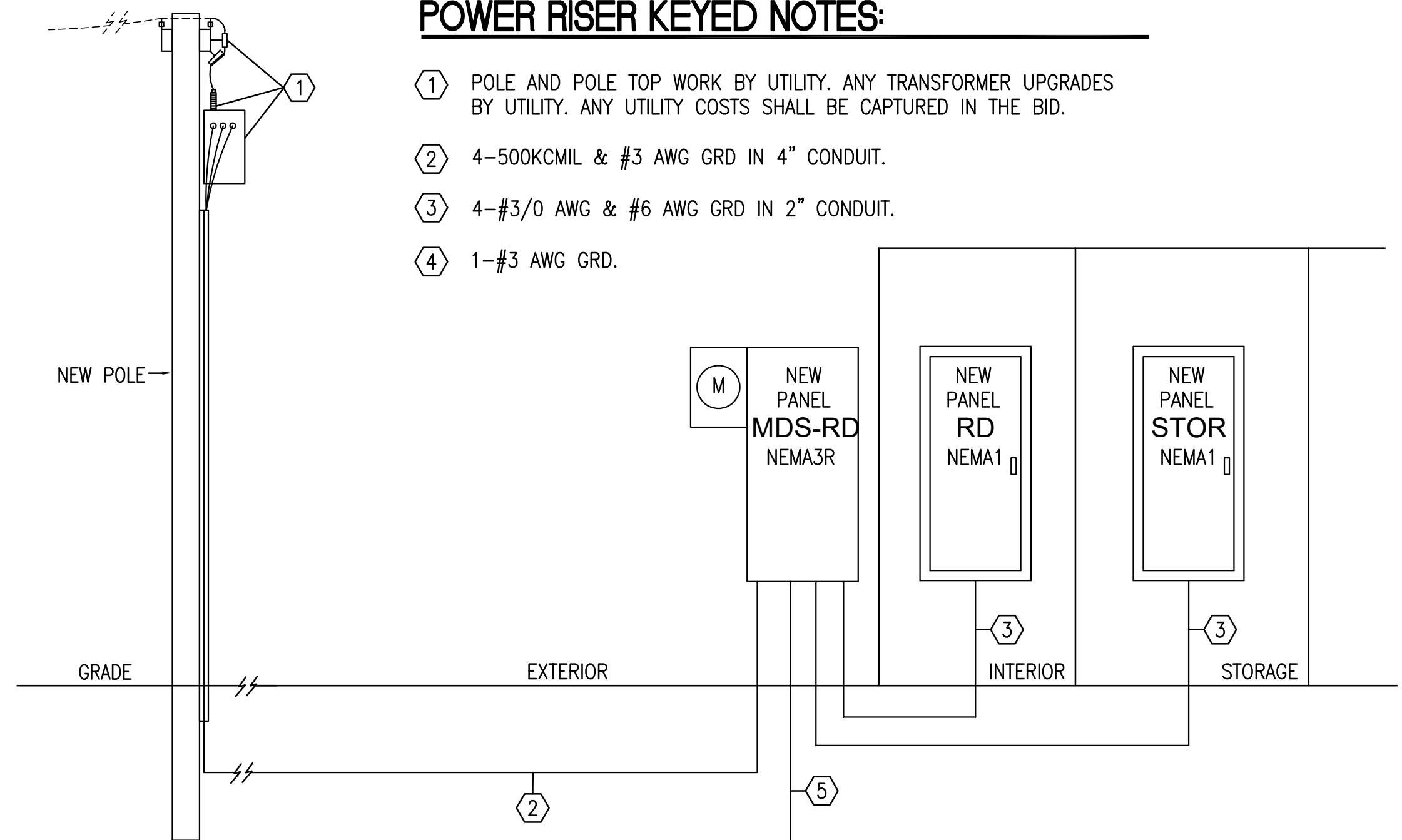
PANELBOARD: STOR			VOLTAGE: 208/120		BUS RATING:		200A			MAIN: MLO		TOTAL CONNECTED VA: 0					
LOCATION:		STORAGE INTERIOR	MFG. AND TYPE:	SQUARE D, EATON OR EQUAL	EQUIPMENT GROUND BUSS			YES		ISOL GND BUS:	NO	TOTAL A PHASE: 0					
MOUNTING:		SURFACE	ENCLOSURE:NEMA1		MINIMUM A.I.C. RATING: 10,000			FED FROM:		MDS-RD		TOTAL B PHASE: 0					
												TOTAL C PHASE: 0					
LOAD (VA)			SERVES				T/P	CIR. NO.	A	B	C	CIR. NO.	T/P	SERVES	LOAD (VA)		
A	B	C													A	B	C
							20/1	1	-	-	-	2	20/1				
							20/1	3	-	-	-	4	20/1				
							20/1	5	-	-	-	6	20/1				
							20/1	7	-	-	-	8	20/1				
							20/1	9	-	-	-	10	20/1				
							20/1	11	-	-	-	12	20/1				
							20/1	13	-	-	-	14	20/1				
							20/1	15	-	-	-	16	20/1				
							20/1	17	-	-	-	18	20/1				
							20/1	19	-	-	-	20	20/1				
							20/1	21	-	-	-	22	20/1				
							20/1	23	-	-	-	24	20/1				
							20/1	25	-	-	-	26	20/1				
							20/1	27	-	-	-	28	20/1				
							20/1	29	-	-	-	30	20/1				
							20/1	31	-	-	-	32	20/1				
			SPARE				20/1	33	-	-	-	34	20/1	SPARE			
			SPARE				20/1	35	-	-	-	36	30/2	SPARE			
			SPARE				20/1	37	-	-	-	38	30/2	SPARE			
			SPARE				20/1	39	-	-	-	40	20/1	SPARE			
			SPARE				20/1	41	-	-	-	42	20/1	SPARE			
0	0	0	SIDE TOTALS				SIDE TOTALS								0	0	0

POWER RISER KEYED NOTES:

- ① POLE AND POLE TOP WORK BY UTILITY. ANY TRANSFORMER UPGRADES
BY UTILITY. ANY UTILITY COSTS SHALL BE CAPTURED IN THE BID.
② 4-500KCMIL & #3 AWG GRD IN 4" CONDUIT.
③ 4-#3/0 AWG & #6 AWG GRD IN 2" CONDUIT.
④ 1-#3 AWG GRD.

3 POWER RISER DIAGRAM

SCALE: NONE



No.	Description	Date



LOCKEBY & ASSOCIATES.

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SHEET TITLE:

PROJECT TITLE:

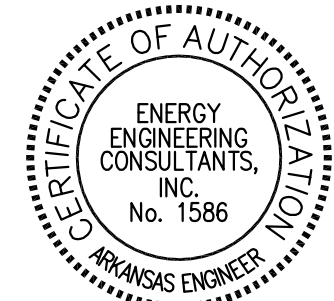
AGENCY

PROJECT #:

LOCATION:

P AND S PLAN - R AND D / STOR.
Campus Renovation for OSKI

2000 Redmond Rd
Jacksonville, AR 72076



DATE 8/13/2026

SHEET # E2.3

Project # 26-19

X of X

MAIN DISTRIBUTION PANEL - MDP-FA						
1200AMP BUS, 208/120V, 3-PHASE, 4-WIRE WITH SOLID NEUTRAL BUS, EQUIPMENT GROUND BUS, MAIN LUGS ONLY. MINIMUM SHORT CIRCUIT RATING OF DISTRIBUTION CENTER AND BREAKERS SHALL BE 24,000 AMPS RMS SYMMETRICAL. TRANSIENT VOLTAGE SURGE SUPPRESSION (TVSS) SHALL BE INSTALLED IN MAIN DISTRIBUTION PANEL. COPPER BUSSING, MANUFACTURER SHALL BE SQUARE D, EATON OR EQUAL. NEMA 1						
CIRCUIT	SERVES	CONNECTED LOAD (VA)	POLE	FRAME (A)	TRIP (A)	WIRE
1	PANEL A		3	200	200	SEE POWER RISER DIAGRAM
2	PANEL B		3	200	200	SEE POWER RISER DIAGRAM
3	PANEL C		3	200	200	SEE POWER RISER DIAGRAM
4	PANEL D		3	200	200	SEE POWER RISER DIAGRAM
5	PANEL E		3	200	200	SEE POWER RISER DIAGRAM
6	RTU-1		3	200	175	3-#3/0 AWG & #6 AWG GND
7	HRU-2		3	60	45	3-#8 AWG & #10 AWG GND
8	SPACE		3	100		
9	SPACE		3	100		
10	SPACE		3	100		
11	SPACE		3	100		
12	SPACE		3	100		
TOTAL CONNECTED LOAD (KVA)		0				

PANELBOARD: A		VOLTAGE:	208/120	BUS RATING:	200A	MAIN:	MLO	TOTAL CONNECTED VA:	0
LOCATION:		MFG. AND TYPE:	SQUARE D, EATON OR EQUAL	EQUIPMENT GROUND BUSS		YES	ISOL GND BUS: NO	TOTAL A PHASE:	0
MOUNTING:		ENCLOSURE:NEMA1	MINIMUM A.I.C. RATING:	10,000	FED FROM:		MDP-FA	TOTAL B PHASE:	0
								TOTAL C PHASE:	0
LOAD (VA)			T/P	CIR. NO.	A	B	C	T/P	SERVES
A	B	C							
			20/1	1	->ok<-	---	---	2	20/1
			20/1	3	---	->ok<-	---	4	20/1
			20/1	5	---	---	->ok<-	6	20/1
			20/1	7	->ok<-	---	---	8	20/1
			20/1	9	---	->ok<-	---	10	20/1
			20/1	11	---	---	->ok<-	12	20/1
			20/1	13	->ok<-	---	---	14	20/1
			20/1	15	---	---	->ok<-	16	20/1
			20/1	17	---	---	->ok<-	18	20/1
			20/1	19	->ok<-	---	---	20	20/1
			20/1	21	---	->ok<-	---	22	20/1
			20/1	23	---	---	->ok<-	24	20/1
			20/1	25	---	---	->ok<-	26	20/1
			20/1	27	---	->ok<-	---	28	20/1
			20/1	29	---	---	->ok<-	30	20/1
			20/1	31	->ok<-	---	---	32	20/1
		SPARE	20/1	33	---	->ok<-	---	34	20/1 SPARE
		SPARE	20/1	35	---	---	->ok<-	36	30/2 SPARE
		SPARE	20/1	37	->ok<-	---	---	38	30/2 SPARE
		SPARE	20/1	39	---	->ok<-	---	40	20/1 SPARE
		SPARE	20/1	41	---	---	->ok<-	42	20/1 SPARE
0	0	0	SIDE TOTALS						0 0 0

PANELBOARD: B		VOLTAGE:	208/120	BUS RATING:	200A	MAIN:	MLO	TOTAL CONNECTED VA:	0
LOCATION:		MFG. AND TYPE:	SQUARE D, EATON OR EQUAL	EQUIPMENT GROUND BUSS		YES	ISOL GND BUS: NO	TOTAL A PHASE:	0
MOUNTING:		ENCLOSURE:NEMA1	MINIMUM A.I.C. RATING:	10,000	FED FROM:		MDP-FA	TOTAL B PHASE:	0
								TOTAL C PHASE:	0
LOAD (VA)			T/P	CIR. NO.	A	B	C	T/P	SERVES
A	B	C							
			20/1	1	->ok<-	---	---	2	20/1
			20/1	3	---	->ok<-	---	4	20/1
			20/1	5	---	---	->ok<-	6	20/1
			20/1	7	->ok<-	---	---	8	20/1
			20/1	9	---	->ok<-	---	10	20/1
			20/1	11	---	---	->ok<-	12	20/1
			20/1	13	->ok<-	---	---	14	20/1
			20/1	15	---	---	->ok<-	16	20/1
			20/1	17	---	---	->ok<-	18	20/1
			20/1	19	->ok<-	---	---	20	20/1
			20/1	21	---	->ok<-	---	22	20/1
			20/1	23	---	---	->ok<-	24	20/1
			20/1	25	->ok<-	---	---	26	20/1
			20/1	27	---	->ok<-	---	28	20/1
			20/1	29	---	---	->ok<-	30	20/1
			20/1	31	->ok<-	---	---	32	20/1
		SPARE	20/1	33	---	->ok<-	---	34	20/1 SPARE
		SPARE	20/1	35	---	---	->ok<-	36	30/2 SPARE
		SPARE	20/1	37	->ok<-	---	---	38	30/2 SPARE
		SPARE	20/1	39	---	->ok<-	---	40	20/1 SPARE
		SPARE	20/1	41	---	---	->ok<-	42	20/1 SPARE
0	0	0	SIDE TOTALS						0 0 0

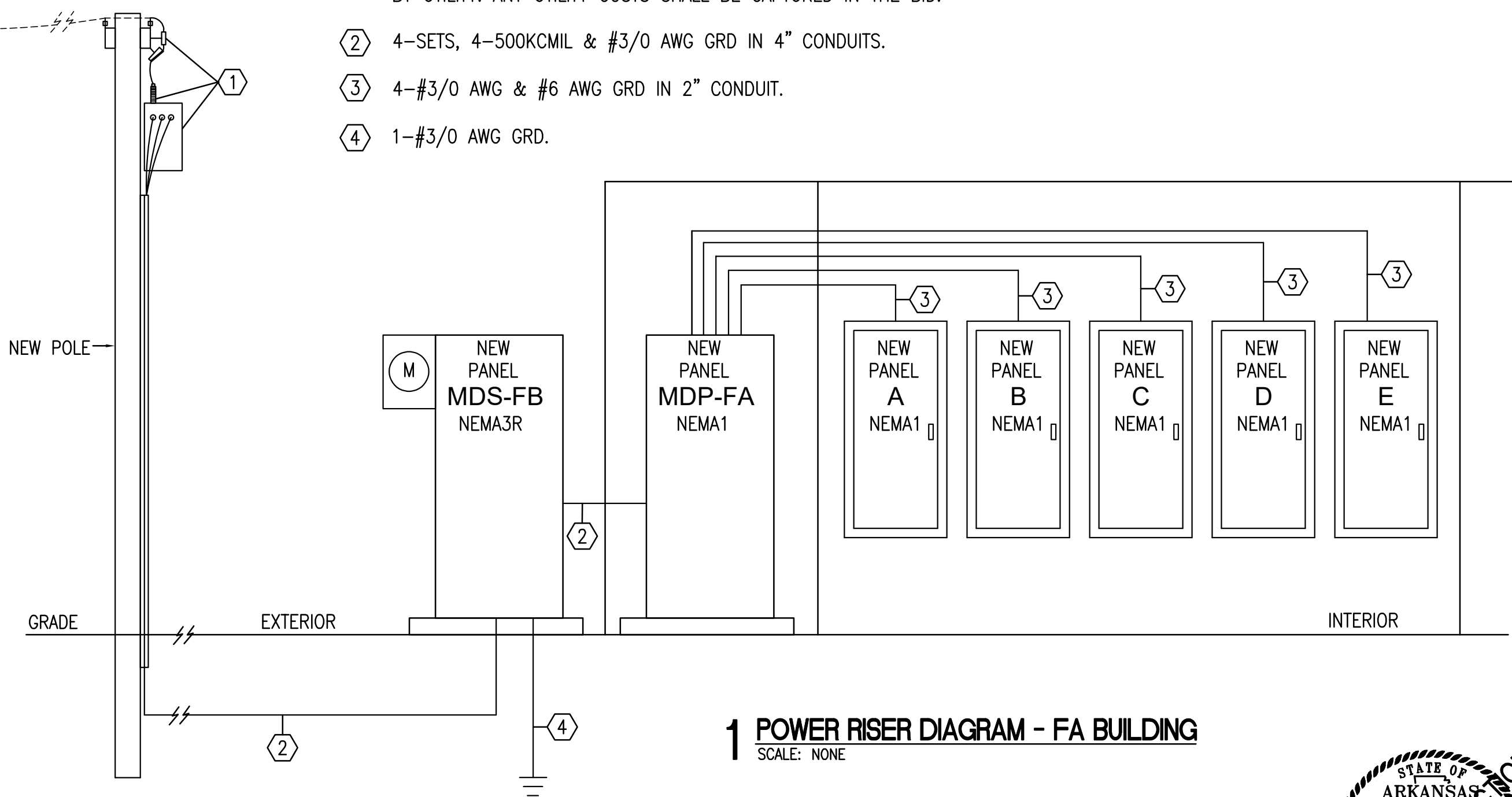
PANELBOARD: C		VOLTAGE:	208/120	BUS RATING:	200A	MAIN:	MLO	TOTAL CONNECTED VA:	0
LOCATION:		MFG. AND TYPE:	SQUARE D, EATON OR EQUAL	EQUIPMENT GROUND BUSS		YES	ISOL GND BUS: NO	TOTAL A PHASE:	0
MOUNTING:		ENCLOSURE:NEMA1	MINIMUM A.I.C. RATING:	10,000	FED FROM:		MDP-FA	TOTAL B PHASE:	0
								TOTAL C PHASE:	0
LOAD (VA)			T/P	CIR. NO.	A	B	C	T/P	SERVES
A	B	C							
			20/1	1	->ok<-	---	---	2	20/1
			20/1	3	---	->ok<-	---	4	20/1
			20/1	5	---	---	->ok<-	6	20/1
			20/1	7	->ok<-	---	---	8	20/1
			20/1	9	---	->ok<-	---	10	20/1
			20/1	11	---	---	->ok<-	12	20/1
			20/1	13	->ok<-	---	---	14	20/1
			20/1	15	---	---	->ok<-	16	20/1
			20/1	17	---	->ok<-	---	18	20/1
			20/1	19	->ok<-	---	---	20	20/1
			20/1	21	---	->ok<-	---	22	20/1
			20/1	23	---	---	->ok<-	24	20/1
			20/1	25	---	---	->ok<-	26	20/1
			20/1	27	---	->ok<-	---	28	20/1
			20/1	29	---	---	->ok<-	30	20/1
			20/1	31	->ok<-	---	---	32	20/1
		SPARE	20/1	33	---	->ok<-	---	34	20/1 SPARE
		SPARE	20/1	35	---	---	->ok<-	36	30/2 SPARE
		SPARE	20/1	37	->ok<-	---	---	38	30/2 SPARE
		SPARE	20/1	39	---	->ok<-	---	40	20/1 SPARE
		SPARE	20/1	41	---	---	->ok<-	42	20/1 SPARE
0	0	0	SIDE TOTALS						0 0 0

PANELBOARD: D		VOLTAGE:	208/120	BUS RATING:	200A	MAIN:	MLO	TOTAL CONNECTED VA:	0
LOCATION:		MFG. AND TYPE:	SQUARE D, EATON OR EQUAL	EQUIPMENT GROUND BUSS		YES	ISOL GND BUS: NO	TOTAL A PHASE:	0
MOUNTING:		ENCLOSURE:NEMA1	MINIMUM A.I.C. RATING:	10,000	FED FROM:		MDP-FA	TOTAL B PHASE:	0
								TOTAL C PHASE:	0
LOAD (VA)			T/P	CIR. NO.	A	B	C	T/P	SERVES
A	B	C							
			20/1	1	->ok<-	---	---	2	20/1
			20/1	3	---	->ok<-	---	4	20/1
			20/1	5	---	---	->ok<-	6	20/1
			20/1	7	->ok<-	---	---	8	20/1
			20/1	9	---	->ok<-	---	10	20/1
			20/1	11	---	---	->ok<-	12	20/1
			20/1	13	->ok<-	---	---	14	20/1
			20/1	15	---	---	->ok<-	16	20/1
			20/1	17	---	->ok<-	---	18	20/1
			20/1	19	->ok<-	---	---	20	20/1
			20/1	21	---	->ok<-	---	22	20/1
			20/1	23	---	---	->ok<-	24	20/1
			20/1	25	->ok<-	---	---	26	20/1
			20/1	27	---	->ok<-	---	28	20/1
			20/1	29	---	---	->ok<-	30	20/1
			20/1	31	->ok<-	---	---	32	20/1
		SPARE	20/1	33	---	->ok<-	---	34	20/1 SPARE
		SPARE	20/1	35	---	---	->ok<-	36	30/2 SPARE
		SPARE	20/1	37	->ok<-	---	---	38	30/2 SPARE
		SPARE	20/1	39	---	->ok<-	---	40	20/1 SPARE
		SPARE	20/1	41	---	---	->ok<-	42	20/1 SPARE
0	0	0	SIDE TOTALS						0 0 0

PANELBOARD: E		VOLTAGE:	208/120	BUS RATING:	200A	MAIN:	MLO	TOTAL CONNECTED VA:	0
LOCATION:		MFG. AND TYPE:	SQUARE D, EATON OR EQUAL	EQUIPMENT GROUND BUSS		YES	ISOL GND BUS: NO	TOTAL A PHASE:	0
MOUNTING:		ENCLOSURE:NEMA1	MINIMUM A.I.C. RATING:	10,000	FED FROM:		MDP-FA	TOTAL B PHASE:	0
								TOTAL C PHASE:	0
LOAD (VA)			T/P	CIR. NO.	A	B	C	T/P	SERVES
A	B	C							
			20/1	1	->ok<-	---	---	2	20/1
			20/1	3	---	->ok<-	---	4	20/1
			20/1	5	---	---	->ok<-	6	20/1
			20/1	7	->ok<-	---	---	8	20/1
			20/1	9	---	->ok<-	---	10	20/1
			20/1	11	---	---	->ok<-	12	20/1
			20/1	13	->ok<-	---	---	14	20/1
			20/1	15	---	---	->ok<-	16	20/1
			20/1	17	---	->ok<-	---	18	20/1
			20/1	19	->ok<-	---	---	20	20/1
			20/1	21	---	->ok<-	---	22	20/1
			20/1	23	---	---	->ok<-	24	20/1
			20/1	25	->ok<-	---	---	26	20/1
			20/1	27	---	->ok<-	---	28	20/1
			20/1	29	---	---	->ok<-	30	20/1
			20/1	31	->ok<-	---	---	32	20/1
		SPARE	20/1	33	---	->ok<-	---	34	20/1 SPARE
		SPARE	20/1	35	---	---	->ok<-	36	30/2 SPARE
		SPARE	20/1	37	->ok<-	---	---	38	30/2 SPARE
		SPARE	20/1	39	---	->ok<-	---	40	20/1 SPARE
		SPARE	20/1	41	---	---	->ok<-	42	20/1 SPARE
0	0	0	SIDE TOTALS						0 0 0

POWER RISER KEYED NOTES:

- ① POLE AND POLE TOP WORK BY UTILITY. ANY TRANSFORMER UPGRADES BY UTILITY. ANY UTILITY COSTS SHALL BE CAPTURED IN THE BID.
- ② 4-SETS, 4-500KCMIL & #3/0 AWG GRD IN 4" CONDUITS.
- ③ 4-#3/0 AWG & #6 AWG GRD IN 2" CONDUIT.
- ④ 1-#3/0 AWG GRD.



1 POWER RISER DIAGRAM - FA BUILDING
SCALE: NONE



No.	Description	Date



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113 N. Rodney Parham, Suite 310 Little Rock, AR 72212
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MAIN DISTRIBUTION PANEL - MDP-FB						
1200AMP BUS, 208/120V, 3-PHASE, 4-WIRE WITH SOLID NEUTRAL BUS, EQUIPMENT GROUND BUS, MAIN LUGS ONLY. MINIMUM SHORT CIRCUIT RATING OF DISTRIBUTION CENTER AND BREAKERS HALL BE 24,000 AMPS RMS SYMMETRICAL. TRANSIENT VOLTAGE SURGE SUPPRESSION (TVSS) SHALL BE INSTALLED IN MAIN DISTRIBUTION PANEL. COPPER BUSSING, MANUFACTURER SHALL BE SQUARE D, EATON OR EQUAL. NEMA 1						
CIRCUIT	SERVES	CONNECTED LOAD (VA)	POLE	FRAME (A)	TRIP (A)	WIRE
1	PANEL A		3	200	200	SEE POWER RISER DIAGRAM
2	PANEL B		3	200	200	SEE POWER RISER DIAGRAM
3	PANEL C		3	200	200	SEE POWER RISER DIAGRAM
4	PANEL D		3	200	200	SEE POWER RISER DIAGRAM
5	PANEL E		3	200	200	SEE POWER RISER DIAGRAM
6	RTU-1		3	100	100	3-#3 AWG & #8 AWG GND
7	RTU-2		3	100	100	3-#3 AWG & #8 AWG GND
8	HRRU-1		3	60	40	3-#8 AWG & #10 AWG GND
9	SPACE		3	100		
10	SPACE		3	100		
11	SPACE		3	100		
12	SPACE		3	100		
TOTAL CONNECTED LOAD (KVA)		0				

PANELBOARD: A			VOLTAGE: 208/120		BUS RATING:		200A		MAIN: MLO		TOTAL CONNECTED VA: 0							
LOCATION:		FB INTERIOR		MFG. AND TYPE:		SQUARE D, EATON OR EQUAL		EQUIPMENT GROUND BUSS		YES		ISOL GND BUS: NO		TOTAL A PHASE: 0				
MOUNTING:		SURFACE		ENCLOSURE:NEMA1		MINIMUM A.I.C. RATING:		10,000		FED FROM:		MDP-FA		TOTAL B PHASE: 0				
														TOTAL C PHASE: 0				
LOAD (VA)			SERVES				T/P	CIR. NO.	A	B	C	CIR. NO.	T/P	SERVES		LOAD (VA)		
A	B	C														A	B	C
							20/1	1	-	-	-	2	20/1					
							20/1	3	-	-	-	4	20/1					
							20/1	5	-	-	-	6	20/1					
							20/1	7	-	-	-	8	20/1					
							20/1	9	-	-	-	10	20/1					
							20/1	11	-	-	-	12	20/1					
							20/1	13	-	-	-	14	20/1					
							20/1	15	-	-	-	16	20/1					
							20/1	17	-	-	-	18	20/1					
							20/1	19	-	-	-	20	20/1					
							20/1	21	-	-	-	22	20/1					
							20/1	23	-	-	-	24	20/1					
							20/1	25	-	-	-	26	20/1					
							20/1	27	-	-	-	28	20/1					
							20/1	29	-	-	-	30	20/1					
							20/1	31	-	-	-	32	20/1					
							20/1	33	-	-	-	34	20/1	SPARE				
							20/1	35	-	-	-	36	30/2	SPARE				
							20/1	37	-	-	-	38	30/2	SPARE				
							20/1	39	-	-	-	40	20/1	SPARE				
							20/1	41	-	-	-	42	20/1	SPARE				
0	0	0	SIDE TOTALS									SIDE TOTALS				0	0	0

PANELBOARD: B			VOLTAGE: 208/120		BUS RATING:		200A		MAIN: MLO		TOTAL CONNECTED VA: 0							
LOCATION: FB INTERIOR		MFG. AND TYPE:	SQUARE D, EATON OR EQUAL		EQUIPMENT GROUND BUSS				YES	ISOL GND BUS: NO	TOTAL A PHASE: 0							
MOUNTING: SURFACE		ENCLOSURE:NEMA1	MINIMUM A.I.C. RATING:		10,000				FED FROM: MDP-FA		TOTAL B PHASE: 0							
											TOTAL C PHASE: 0							
LOAD (VA)			SERVES			T/P	CIR. NO.	A	B	C	CIR. NO.	T/P	SERVES			LOAD (VA)		
A	B	C														A	B	C
						20/1	1	-	-	-	2	20/1						
						20/1	3	-	-	-	4	20/1						
						20/1	5	-	-	-	6	20/1						
						20/1	7	-	-	-	8	20/1						
						20/1	9	-	-	-	10	20/1						
						20/1	11	-	-	-	12	20/1						
						20/1	13	-	-	-	14	20/1						
						20/1	15	-	-	-	16	20/1						
						20/1	17	-	-	-	18	20/1						
						20/1	19	-	-	-	20	20/1						
						20/1	21	-	-	-	22	20/1						
						20/1	23	-	-	-	24	20/1						
						20/1	25	-	-	-	26	20/1						
						20/1	27	-	-	-	28	20/1						
						20/1	29	-	-	-	30	20/1						
						20/1	31	-	-	-	32	20/1						
						20/1	33	-	-	-	34	20/1	SPARE					
						20/1	35	-	-	-	36	30/2	SPARE					
						20/1	37	-	-	-	38	30/2	SPARE					
						20/1	39	-	-	-	40	20/1	SPARE					
						20/1	41	-	-	-	42	20/1	SPARE					
0	0	0	SIDE TOTALS								SIDE TOTALS					0	0	0

PANELBOARD: C			VOLTAGE: 208/120		BUS RATING:		200A			MAIN: MLO		TOTAL CONNECTED VA: 0								
LOCATION:		FB INTERIOR		MFG. AND TYPE:	SQUARE D, EATON OR EQUAL		EQUIPMENT GROUND BUSS			YES	ISOL GND BUS:	NO	TOTAL A PHASE: 0							
MOUNTING:		SURFACE		ENCLOSURE:NEMA1		MINIMUM A.I.C. RATING:		10,000			FED FROM:		MDP-FA		TOTAL B PHASE: 0					
												TOTAL C PHASE: 0								
LOAD (VA)			SERVES				T/P	CIR. NO.	A	B	C	CIR. NO.	T/P	SERVES				LOAD (VA)		
A	B	C														A	B	C		
							20/1	1	-	-	-	2	20/1							
							20/1	3	-	-	-	4	20/1							
							20/1	5	-	-	-	6	20/1							
							20/1	7	-	-	-	8	20/1							
							20/1	9	-	-	-	10	20/1							
							20/1	11	-	-	-	12	20/1							
							20/1	13	-	-	-	14	20/1							
							20/1	15	-	-	-	16	20/1							
							20/1	17	-	-	-	18	20/1							
							20/1	19	-	-	-	20	20/1							
							20/1	21	-	-	-	22	20/1							
							20/1	23	-	-	-	24	20/1							
							20/1	25	-	-	-	26	20/1							
							20/1	27	-	-	-	28	20/1							
							20/1	29	-	-	-	30	20/1							
							20/1	31	-	-	-	32	20/1							
							20/1	33	-	-	-	34	20/1	SPARE						
							20/1	35	-	-	-	36	30/2	SPARE						
							20/1	37	-	-	-	38	30/2	SPARE						
							20/1	39	-	-	-	40	20/1	SPARE						
							20/1	41	-	-	-	42	20/1	SPARE						
0	0	0	SIDE TOTALS									SIDE TOTALS					0	0	0	

PANELBOARD: D			VOLTAGE: 208/120		BUS RATING:		200A			MAIN: MLO		TOTAL CONNECTED VA: 0						
LOCATION:		FB INTERIOR		MFG. AND TYPE:	SQUARE D, EATON OR EQUAL		EQUIPMENT GROUND BUSS			YES	ISOL GND BUS: NO	TOTAL A PHASE: 0						
MOUNTING:		SURFACE		ENCLOSURE:NEMA1		MINIMUM A.I.C. RATING:		10,000			FED FROM: MDP-FA		TOTAL B PHASE: 0					
													TOTAL C PHASE: 0					
LOAD (VA)			SERVES				T/P	CIR. NO.	A	B	C	CIR. NO.	T/P	SERVES		LOAD (VA)		
A	B	C														A	B	C
							20/1	1	-	-	-	2	20/1					
							20/1	3	-	-	-	4	20/1					
							20/1	5	-	-	-	6	20/1					
							20/1	7	-	-	-	8	20/1					
							20/1	9	-	-	-	10	20/1					
							20/1	11	-	-	-	12	20/1					
							20/1	13	-	-	-	14	20/1					
							20/1	15	-	-	-	16	20/1					
							20/1	17	-	-	-	18	20/1					
							20/1	19	-	-	-	20	20/1					
							20/1	21	-	-	-	22	20/1					
							20/1	23	-	-	-	24	20/1					
							20/1	25	-	-	-	26	20/1					
							20/1	27	-	-	-	28	20/1					
							20/1	29	-	-	-	30	20/1					
							20/1	31	-	-	-	32	20/1					
			SPARE				20/1	33	-	-	-	34	20/1	SPARE				
			SPARE				20/1	35	-	-	-	36	30/2	SPARE				
			SPARE				20/1	37	-	-	-	38	30/2	SPARE				
			SPARE				20/1	39	-	-	-	40	20/1	SPARE				
			SPARE				20/1	41	-	-	-	42	20/1	SPARE				
0	0	0	SIDE TOTALS									SIDE TOTALS				0	0	0

PANELBOARD: E			VOLTAGE: 208/120		BUS RATING:		200A		MAIN: MLO		TOTAL CONNECTED VA: 0									
LOCATION:		FB INTERIOR		MFG. AND TYPE:	SQUARE D, EATON OR EQUAL		EQUIPMENT GROUND BUSS			YES	ISOL GND BUS: NO	TOTAL A PHASE: 0								
MOUNTING:		SURFACE		ENCLOSURE:NEMA1		MINIMUM A.I.C. RATING:		10,000		FED FROM: MDP-FA		TOTAL B PHASE: 0								
												TOTAL C PHASE: 0								
LOAD (VA)			SERVES				T/P	CIR. NO.	A	B	C	CIR. NO.	T/P	SERVES				LOAD (VA)		
A	B	C																A	B	C
							20/1	1	-	-	-	2	20/1							
							20/1	3	-	-	-	4	20/1							
							20/1	5	-	-	-	6	20/1							
							20/1	7	-	-	-	8	20/1							
							20/1	9	-	-	-	10	20/1							
							20/1	11	-	-	-	12	20/1							
							20/1	13	-	-	-	14	20/1							
							20/1	15	-	-	-	16	20/1							
							20/1	17	-	-	-	18	20/1							
							20/1	19	-	-	-	20	20/1							
							20/1	21	-	-	-	22	20/1							
							20/1	23	-	-	-	24	20/1							
							20/1	25	-	-	-	26	20/1							
							20/1	27	-	-	-	28	20/1							
							20/1	29	-	-	-	30	20/1							
							20/1	31	-	-	-	32	20/1							
							20/1	33	-	-	-	34	20/1	SPARE						
							20/1	35	-	-	-	36	30/2	SPARE						
							20/1	37	-	-	-	38		SPARE						
							20/1	39	-	-	-	40	20/1	SPARE						
							20/1	41	-	-	-	42	20/1	SPARE						
0	0	0	SIDE TOTALS								SIDE TOTALS				0 0 0					

ADD ALTERNATE:

GENERAL:
THE EXISTING OFFICE BUILDING IS CONDITIONED BY THREE (3) CONSTANT VOLUME SPLIT SYSTEMS WITH INDOOR GAS FURNACES. THE CONTRACTOR IS TO INCLUDE AN ALTERNATE PRICE ADDING A FULL ZONE CONTROL SYSTEM TO THE EXISTING SPLIT SYSTEMS. EACH OFFICE, CORRIDOR, RECEPTION, WAITING, AND CONFERENCE ROOM IS SEPARATED INTO INDIVIDUAL ZONES. A NEW ZONE DAMPER IS TO BE INSTALLED IN EACH ZONE BRANCH DUCT (VERIFY SIZE). EACH SPACE IS HAVE A NEW ZONED THERMOSTAT LOCATED ON INTERIOR PARTITION, ALL WIRING IS TO BE FISHED WITHIN EXISTING WALL. EACH SYSTEM WILL HAVE A BY-PASS INSTALLED BETWEEN THE SUPPLY DUCT AND THE PLENUM BOX BELOW FURNACE.

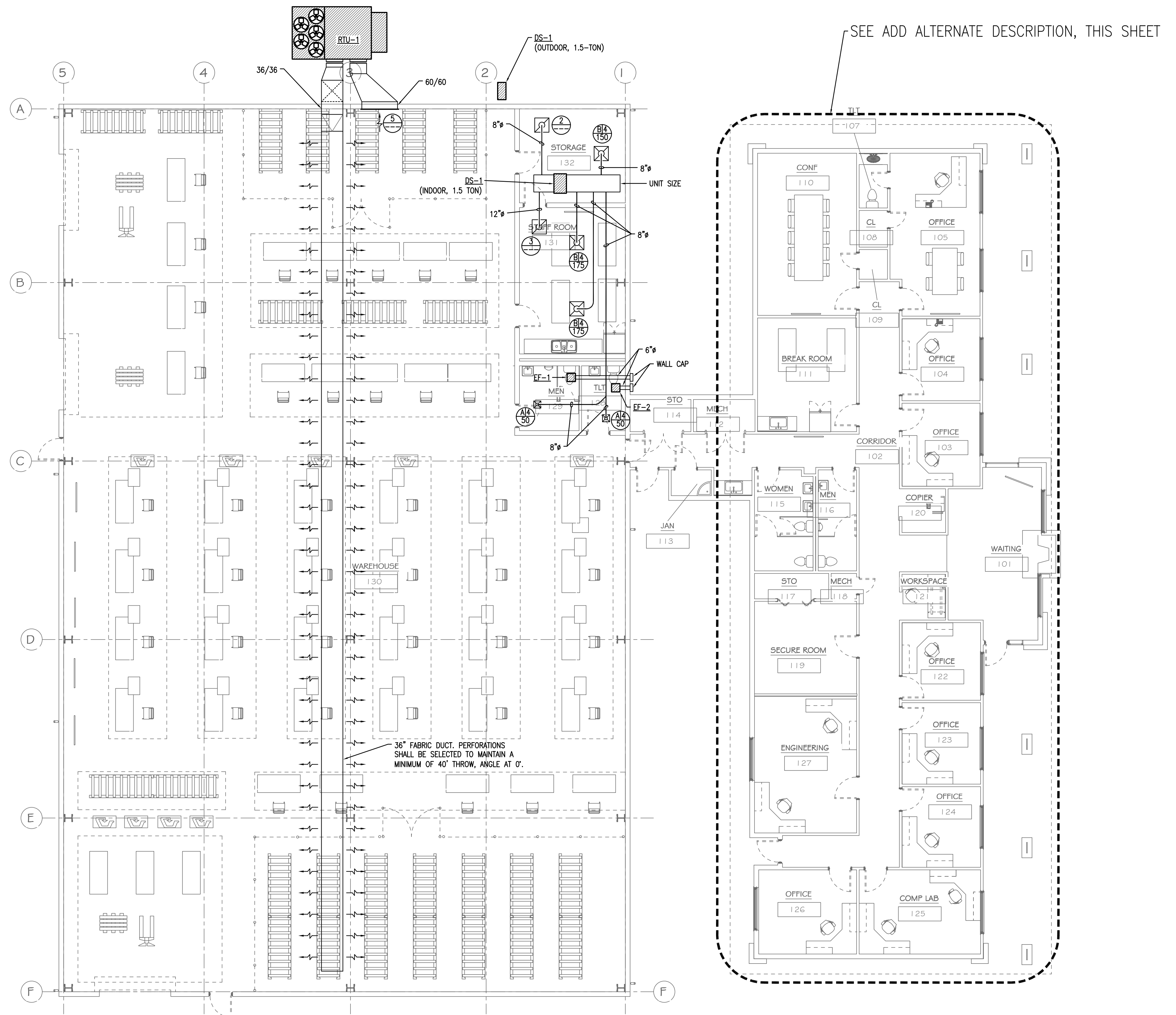
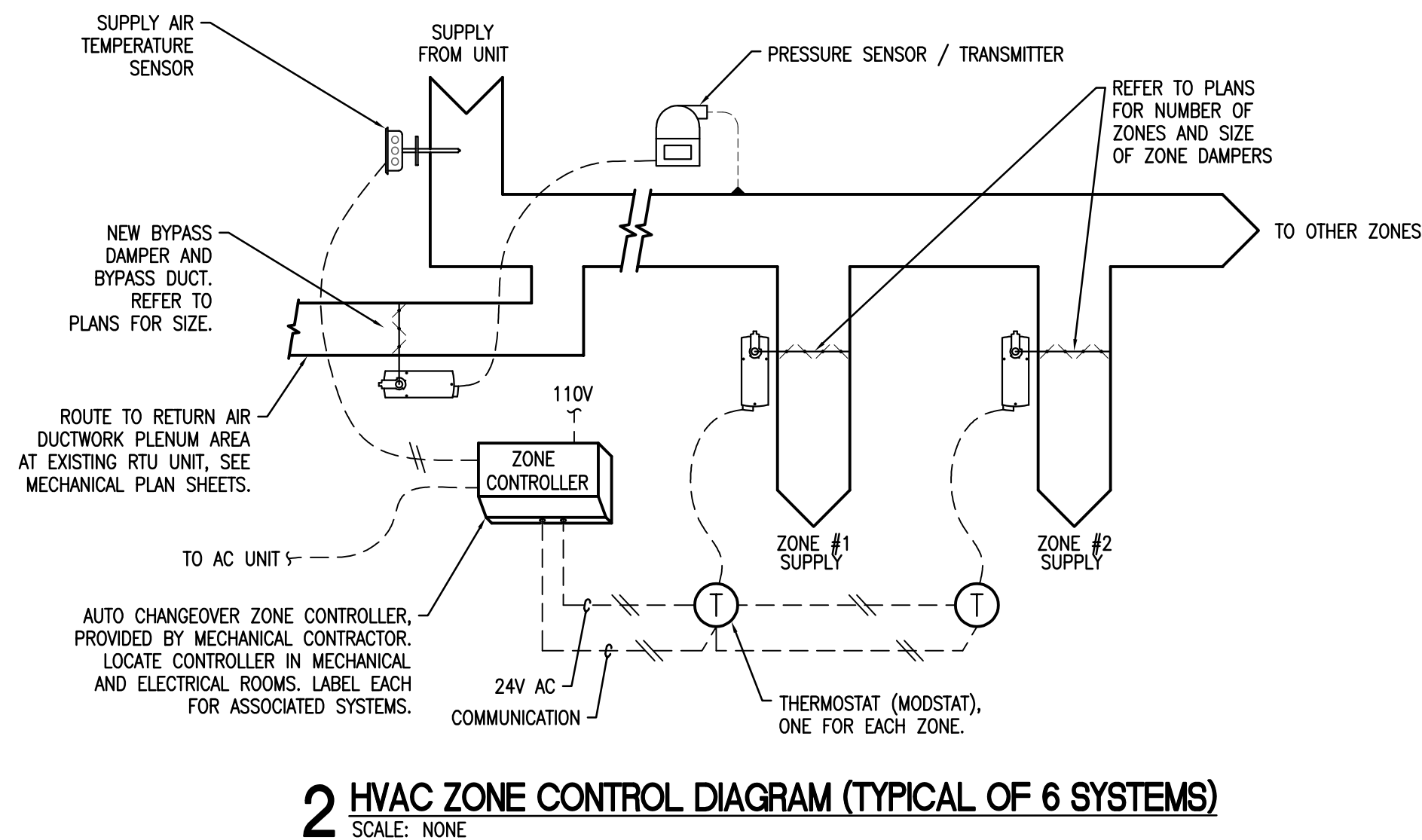
SEQUENCE OF OPERATION:

SPLIT SYSTEM:
THE AC/FURNACE UNIT IS TO CYCLE COMPONENTS TO MAINTAIN OVERALL SPACE CONDITIONS AS DETERMINED BY THE ZONE CONTROLLER. THE SUPPLY FAN SHALL OPERATE CONTINUOUSLY DURING OCCUPIED PERIODS AND CYCLE DURING UNOCCUPIED PERIODS TO MAINTAIN INDOOR RESET TEMPERATURE.

THERMOSTATS (MODSTAT):
THE THERMOSTAT WITHIN EACH ZONE SHALL MODULATE THE ZONE DAMPER AS REQUIRED TO MAINTAIN SPACE TEMPERATURE.

ZONE CONTROLLER:
THE ZONE CONTROLLER SHALL GATHER TEMPERATURE AND SETPOINT FROM EACH OF THE THERMOSTATS WITHIN THE SYSTEM AND SHALL SEND THE AC UNIT CONTROLLER THE REQUIRED MODE OF OPERATION.

PRESSURE SENSOR / TRANSMITTER:
THE PRESSURE SENSOR AND TRANSMITTER SHALL MODULATE THE BYPASS DAMPER TO MAINTAIN A CONSTANT STATIC PRESSURE TO BE DETERMINED DURING TESTING AND BALANCING.



No.	Description	Date

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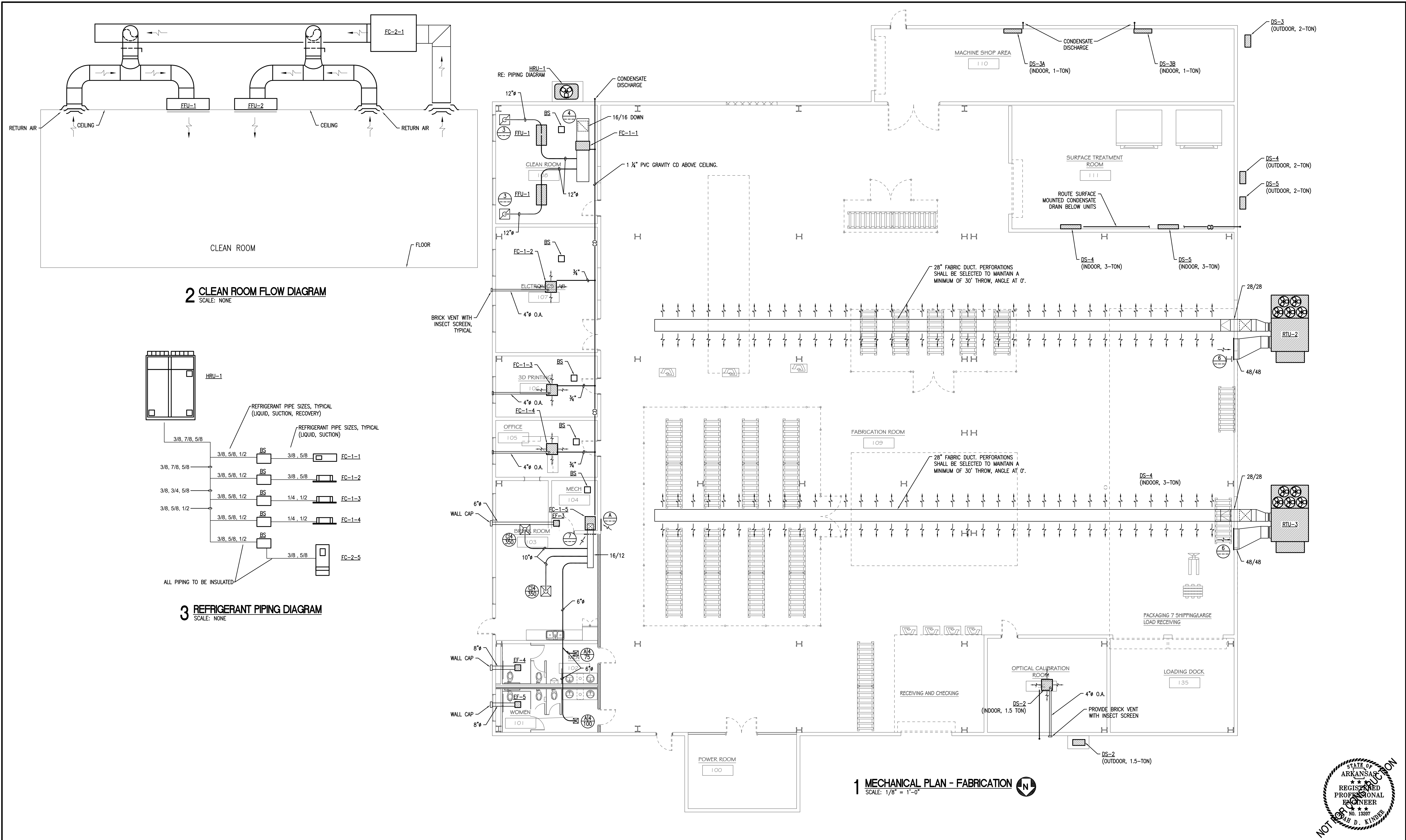
OKSI

SHEET TITLE: **MECH. PLAN - MAIN OFFICE / FA**
PROJECT TITLE: **Campus Renovation for OSKI**
AGENCY PROJECT #: 2000 Redmond Rd
LOCATION: Jacksonville, AR 72076

EECI
ENERGY ENGINEERING CONSULTANTS, INC.
10 CORPORATE HILL DR., STE. 100 PH: (501) 244-0511
LITTLE ROCK, AR 72205 FX: (501) 244-0241

CERTIFICATE OF AUTHORIZATION
ENERGY ENGINEERING CONSULTANTS, INC.
No. 1586
ARKANSAS ENGINEER

DATE: 8/13/2026
SHEET #: **M1.1**
Project #: **26-19**
X of X



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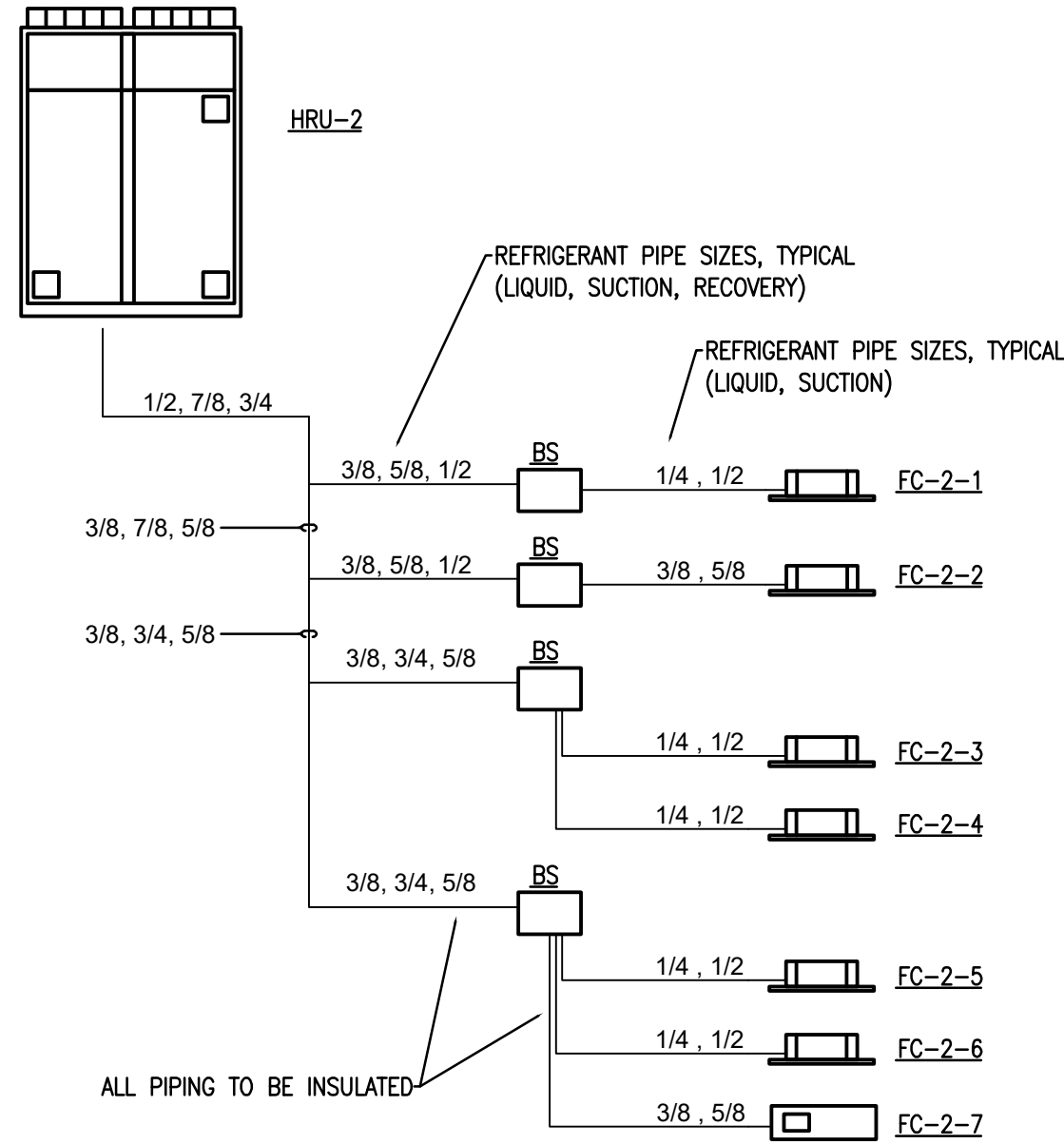
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SHEET TITLE: **MECHANICAL PLAN - FABRICATION**
PROJECT TITLE: **Campus Renovation for OSKI**
AGENCY PROJECT #: 2000 Redmond Rd
LOCATION: Jacksonville, AR 72076

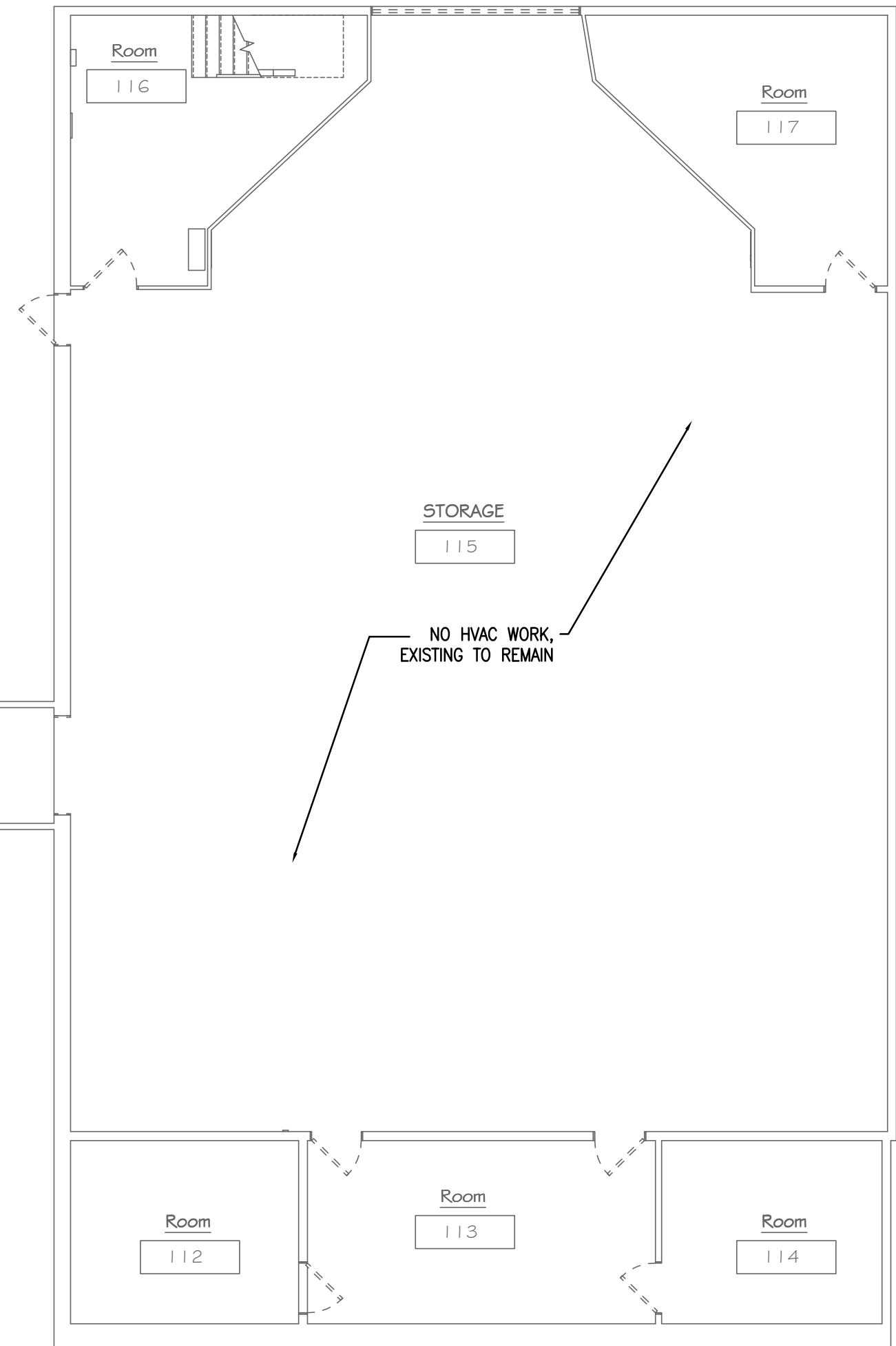
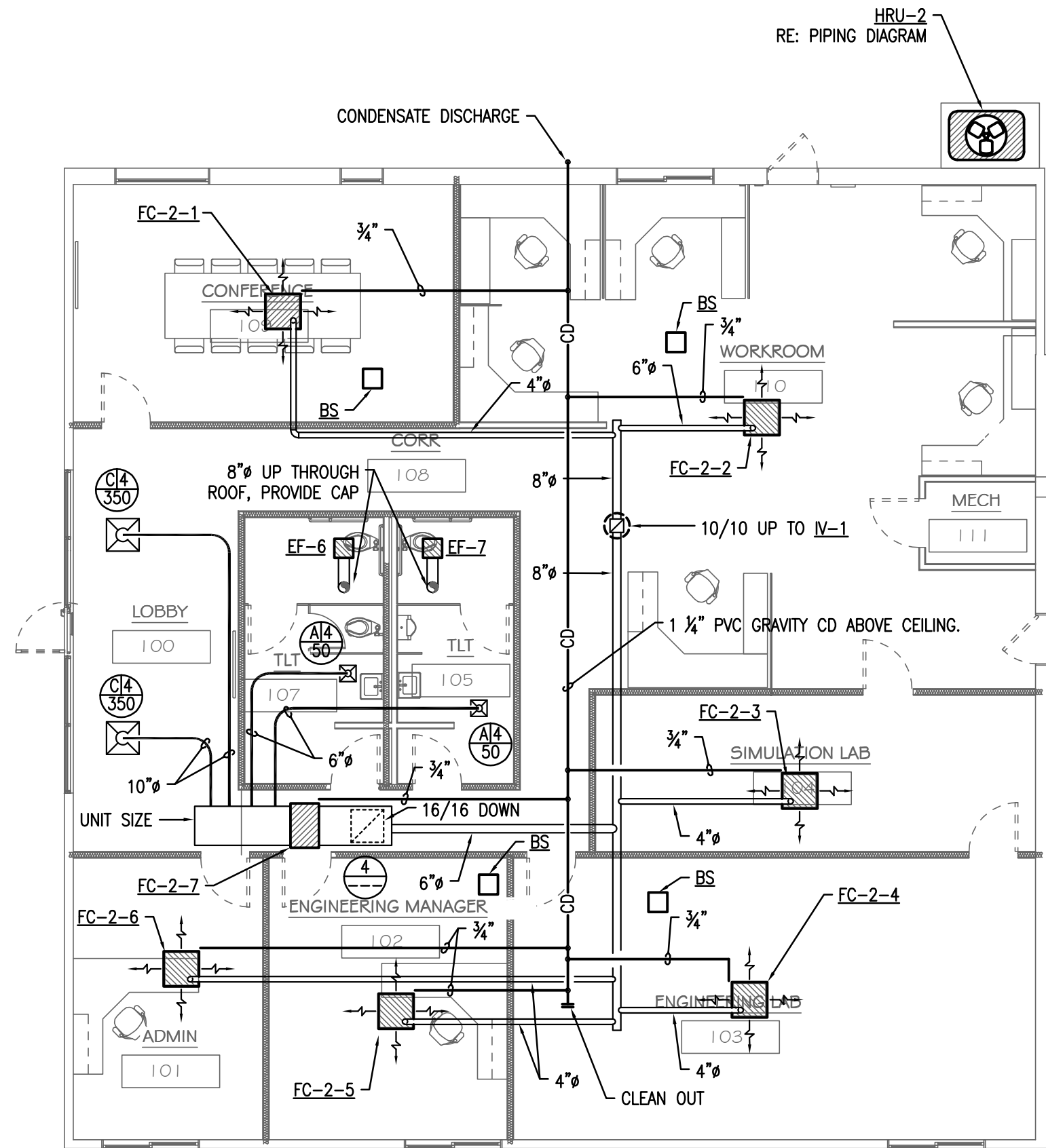
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No. 1586
ARKANSAS ENGINEER

DATE: 8/13/2026
SHEET #: M1.2
Project #: 26-19
X of X



10 REFRIGERANT PIPING DIAGRAM
SCALE: NONE

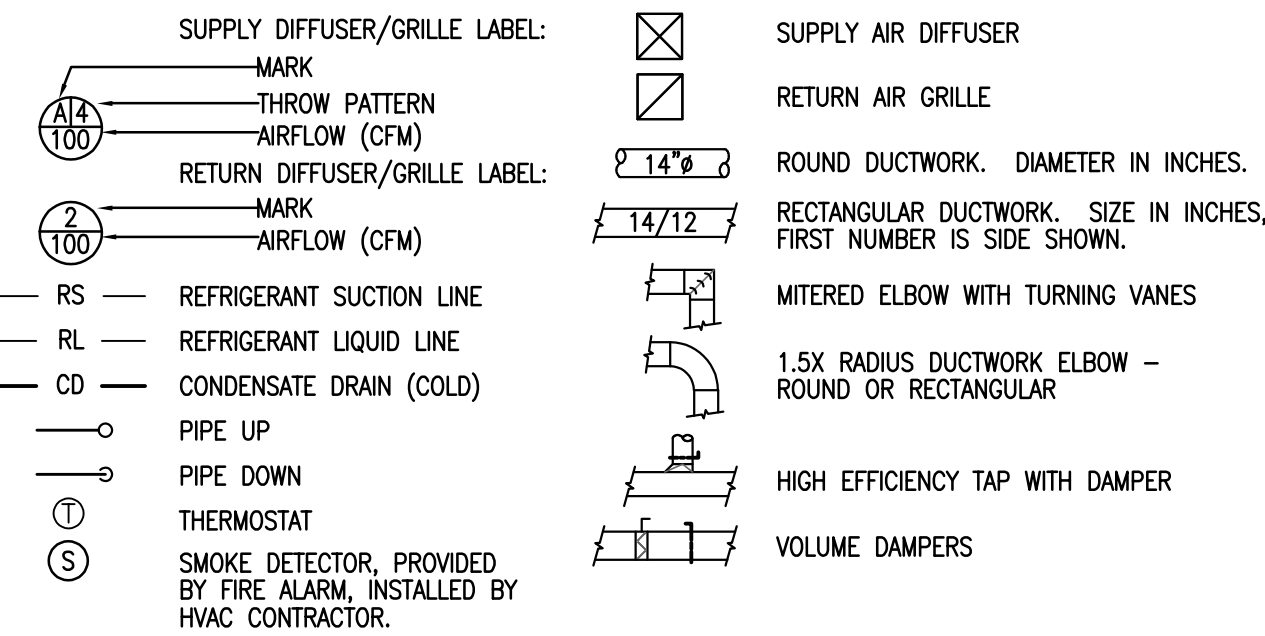


1 MECHANICAL PLAN - R AND D / STORAGE
SCALE: 1/8" = 1'-0"

MECHANICAL NOTES

- ALL WORK MUST COMPLY WITH THE REQUIREMENTS OF LOCAL CODES AND ORDINANCES. WHERE INSPECTIONS ARE REQUIRED BY AUTHORITIES HAVING JURISDICTION, WORK MUST NOT BE CONCEALED UNTIL INSPECTIONS AND TESTING ARE COMPLETED AND ACCEPTED.
- PRIOR TO BID, CONTRACTOR MUST BECOME THOROUGHLY FAMILIAR WITH THE REQUIREMENTS OF THE GENERAL NOTES AS WELL AS ALL OTHER NOTES SHOWN ON THE CONTRACT DOCUMENTS. VISIT THE SITE TO ESTABLISH THE EXISTING CONDITIONS PRIOR TO BID AND PRIOR TO ANY DUCT, PIPE OR EQUIP. FABRICATION. SYSTEMS MUST BE ERECTED USING CONTRACTOR'S FIELD MEASUREMENTS FOR COORDINATION WITH EQUIPMENT, STRUCTURE, FIRE PROTECTION & ELEC. CONDITIONS IN THE SPACE.
- ALL CONTRACT DOCUMENTS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OR GEOMETRICAL RELATIONSHIPS OF EQUIPMENT AND SERVICES. THEY ARE NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, SEQUENCE, DEVICE, OPTION, FITTING, OR COMPONENT. DO NOT SCALE DRAWINGS.
- INFORMATION AND COMPONENTS SHOWN ON DIAGRAMS OR DETAILS, BUT NOT SHOWN ON PLANS, AND VICE VERSA, MUST BE PROVIDED AS IF EXPRESSLY REQUIRED BY BOTH.
- EXCEPT WHERE INDICATED OTHERWISE, THE NOTATION OR DESCRIPTION OF ANY ITEM IN THE CONTRACT DOCUMENTS CARRIES WITH IT THE INSTRUCTION TO FURNISH AND INSTALL THE ITEM, WHETHER OR NOT THIS INSTRUCTION IS EXPLICITLY STATED.
- MECHANICAL INSTALLATION MUST MAINTAIN INTEGRITY OF WALLS, PARTITIONS AND FLOORS DESIGNATED AS EITHER FIRE RATED OR "SMOKE TIGHT". SEAL AROUND ALL PENETRATIONS THROUGH RATED OR SMOKE TIGHT ASSEMBLIES. COORDINATE WITH ARCHITECTURAL PLANS AND GENERAL CONTRACTOR.
- COORDINATE PLACEMENT OF ALL MECHANICAL RELATED EQUIPMENT AND DEVICES WITH OTHER TRADES. DO NOT POSITION OR INSTALL ANY MECHANICAL EQUIP. OR DEVICES IN ANY SYSTEM IN SUCH A WAY THAT IT WILL BE INACCESSIBLE OR UNMAINTAINABLE AFTER CONSTRUCTION IS COMPLETED. PROVIDE DUCT ACCESS DOORS AT FIRE DAMPERS, ETC.
- NO OTHER TRADES ARE ALLOWED TO BE SUPPORTED FROM MATERIALS, EQUIPMENT OR DEVICES INSTALLED BY THE MECHANICAL TRADES. LIKEWISE, ALL WORK INSTALLED BY THE MECHANICAL TRADES MUST BE SUPPORTED FROM THE STRUCTURE ABOVE, FROM WALLS, OR FROM THE FLOOR UNLESS OTHERWISE INDICATED.
- REPLACE OR REPAIR ALL ARCHITECTURAL FEATURES REMOVED OR DAMAGED DURING THE COURSE OF THE WORK. REPAIR OR REPLACEMENT MUST, AS A MINIMUM, EQUAL ORIGINAL CONDITION. SPECIAL CARE MUST BE TAKEN ON THE ROOFS TO PREVENT DAMAGE. ANY DAMAGE MUST BE PROMPTLY REPAIRED AT NO EXPENSE TO THE OWNER, COMPLY WITH BONDING REQUIREMENTS OF THE ROOFING MANUFACTURER.
- ALL WIRING INSTALLED FOR CONTROLS, POWER, INTERLOCKS, ETC. WHICH ARE TO BE INSTALLED IN RETURN AIR PLENUMS MUST BE PLENUM RATED OR INSTALLED IN CONDUIT UNLESS OTHERWISE INDICATED. ALL WIRING INSTALLED IN OCCUPIED SPACES SHALL BE IN CONDUIT. ALL SUCH INSTALLATIONS MUST MEET NFPA AND NEC REQUIREMENTS, AND LOCAL CODES.
- ALL MECHANICAL WORK MUST BE INSTALLED HIGH AS POSSIBLE SO AS TO MAINTAIN THE MAXIMUM POSSIBLE CLEARANCE ABOVE FINISHED FLOOR FOR TENANT FINISH-OUT.
- CEILING MOUNTED 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 AIR DEVICE LOCATIONS.
- FABRICATION AND INSTALLATION OF HVAC WORK IS TO COMPLY WITH SMACNA AND ALL APPLICABLE CODES.
- DUCT SIZES SHOWN ON PLANS INDICATE MINIMUM REQUIRED CLEAR INSIDE DIMENSIONS. ADJUST DUCT SIZES FOR LINER THICKNESS WHERE APPLICABLE OR WHERE SHOWN. SEE NOTES AND/OR SPECIFICATIONS FOR INSULATION TYPE AND STANDARDS.
- PROVIDE DUCT TRANSITIONS AS REQUIRED AT EQUIPMENT AND DEVICE CONNECTIONS WHERE DUCT SIZES INDICATED DIFFER FROM THE DUCT CONNECTION SIZE OR DUCT COLLAR.
- ALL DUCTS MUST BE MOUNTED HIGH AS POSSIBLE EXCEPT AS REQUIRED TO AVOID CONFLICTS WITH INTERSECTING DUCTS. DIAGONALLY OFFSET ALL DUCTS IMMEDIATELY BEFORE AND AFTER PASSING UNDER INTERSECTING DUCTS OR LARGE STRUCTURAL MEMBERS TO MAINTAIN MAXIMUM HEIGHT ABOVE FINISHED FLOOR (AFF).
- COORDINATE FINAL PLACEMENT OF ALL THERMOSTATS WITH WALL MOUNTED DEVICES AND OWNER'S REPRESENTATIVE. MOUNT THERMOSTATS AT 74" AFF. ANY THERMOSTAT THAT IS REQUIRED TO BE MOUNTED ON AN EXTERIOR WALL MUST BE MOUNTED ON AN INSULATED PAD.
- BALANCE MECHANICAL SYSTEMS TO PROVIDE INDICATED FLOWS. SEE SPECIFICATIONS FOR OTHER TEST AND BALANCE REQUIREMENTS. SUBMIT FINAL BALANCE REPORT OF MECHANICAL SYSTEMS (FLOW AND TEMPERATURE) FOR REVIEW.

MECHANICAL LEGEND



No.	Description	Date

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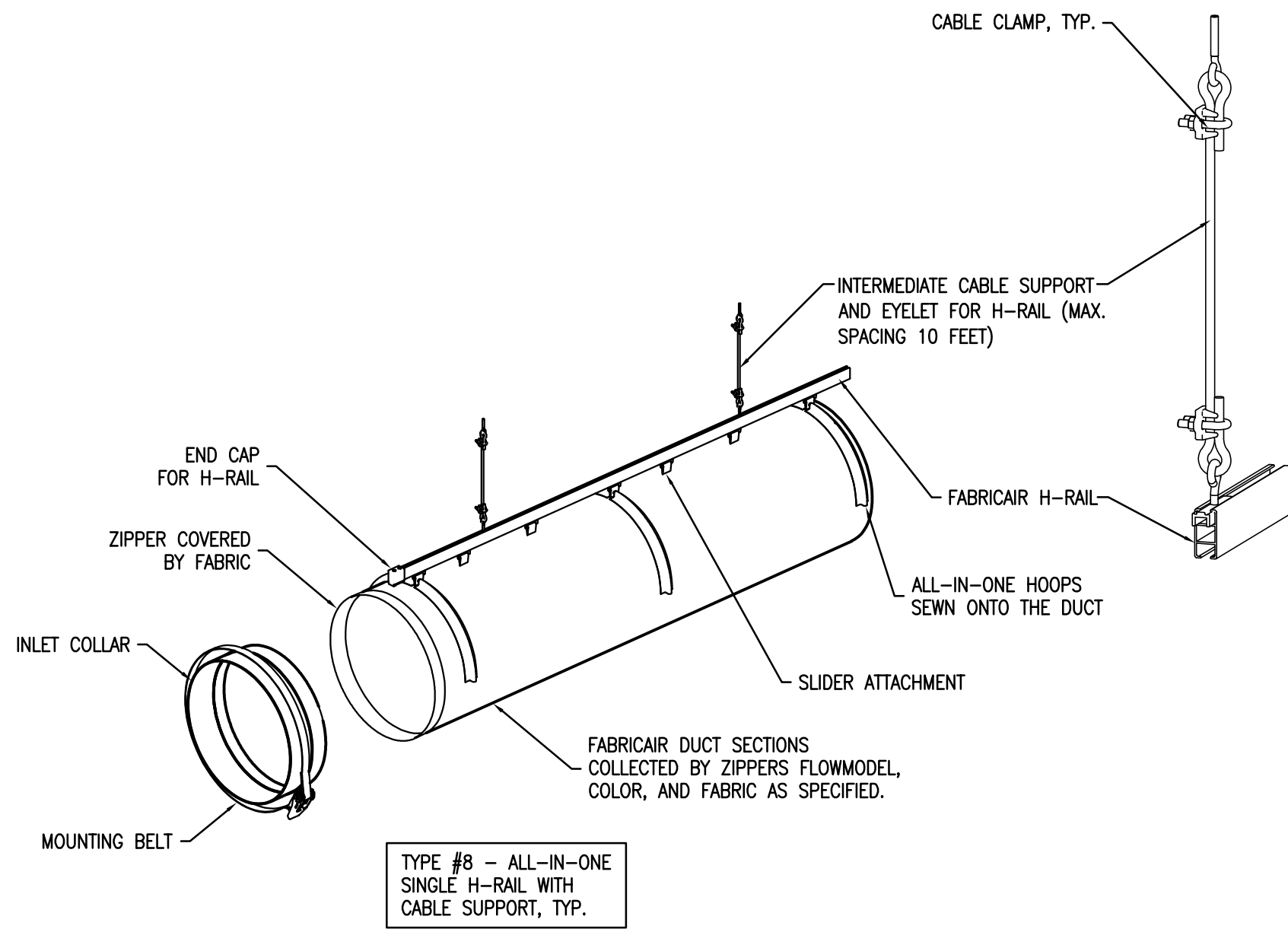
SHEET TITLE: **MECH. PLAN - R AND D / STORAGE**
PROJECT TITLE: **Campus Renovation for OSKI**
AGENCY PROJECT #: 2000 Redmond Rd
LOCATION: Jacksonville, AR 72076

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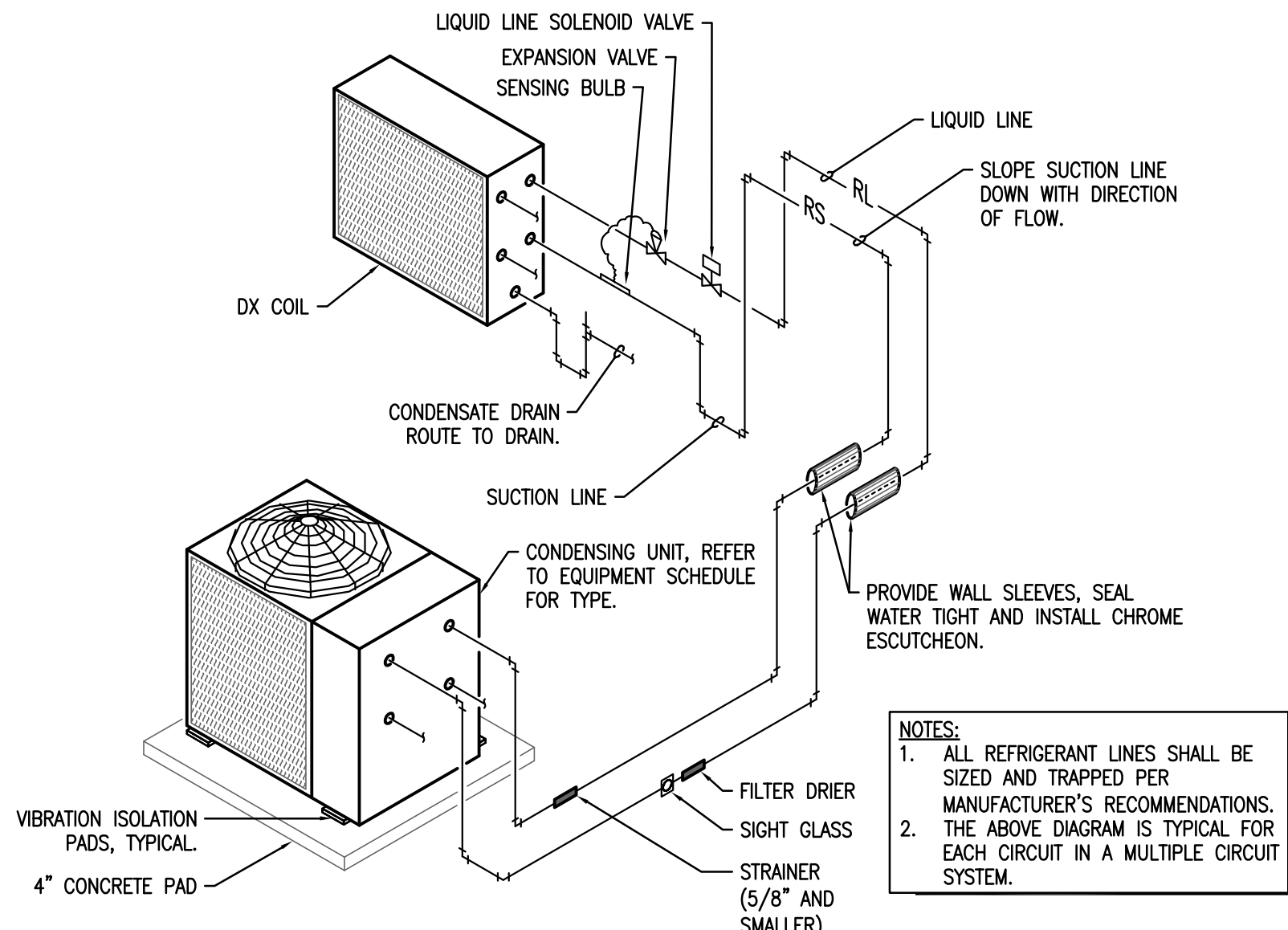
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ENERGY ENGINEERING
CONSULTANTS,
INC.
No. 1586
ARKANSAS ENGINEER

DATE: 8/13/2026
SHEET #: M1.3
Project #: 26-19
X of X

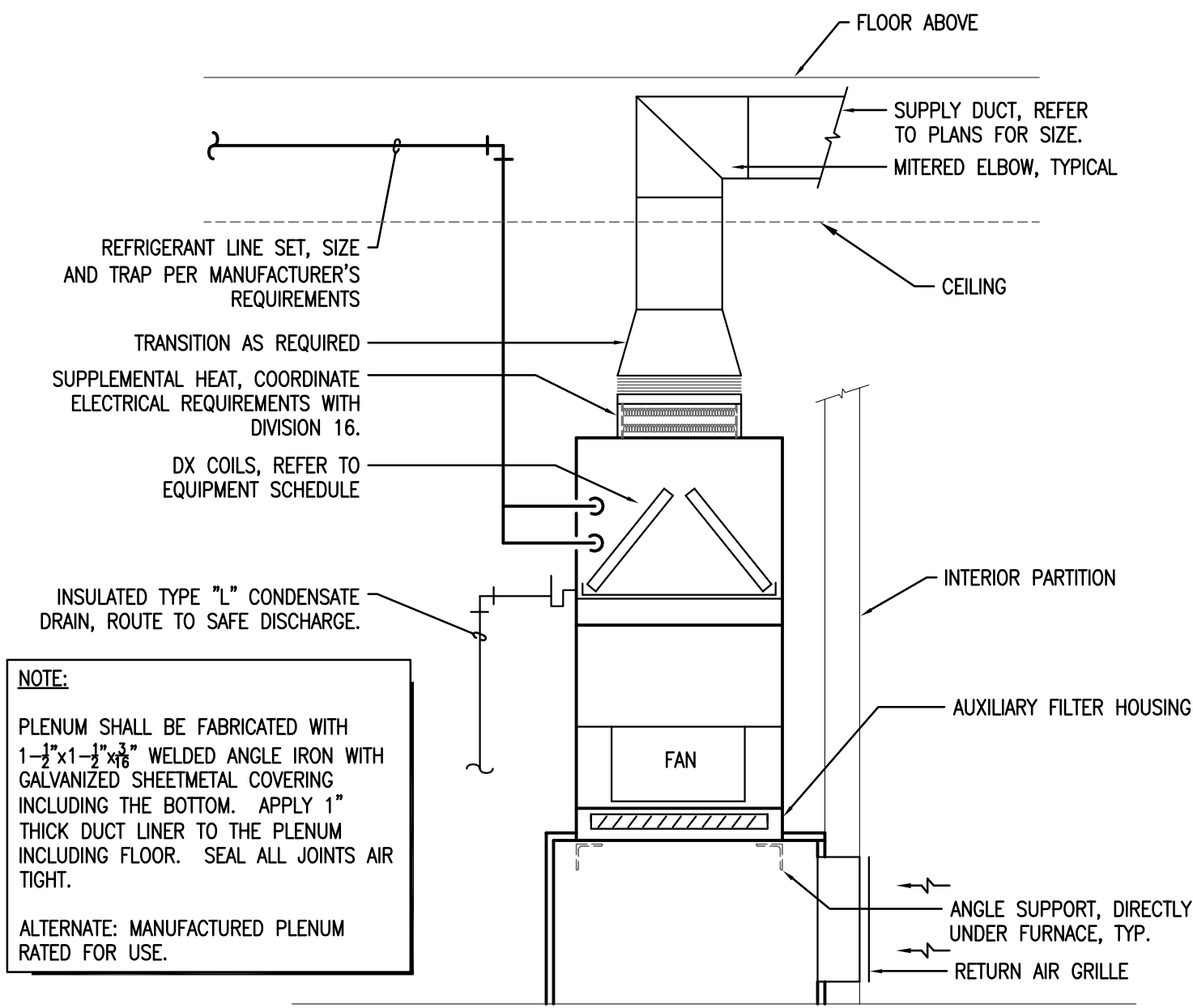




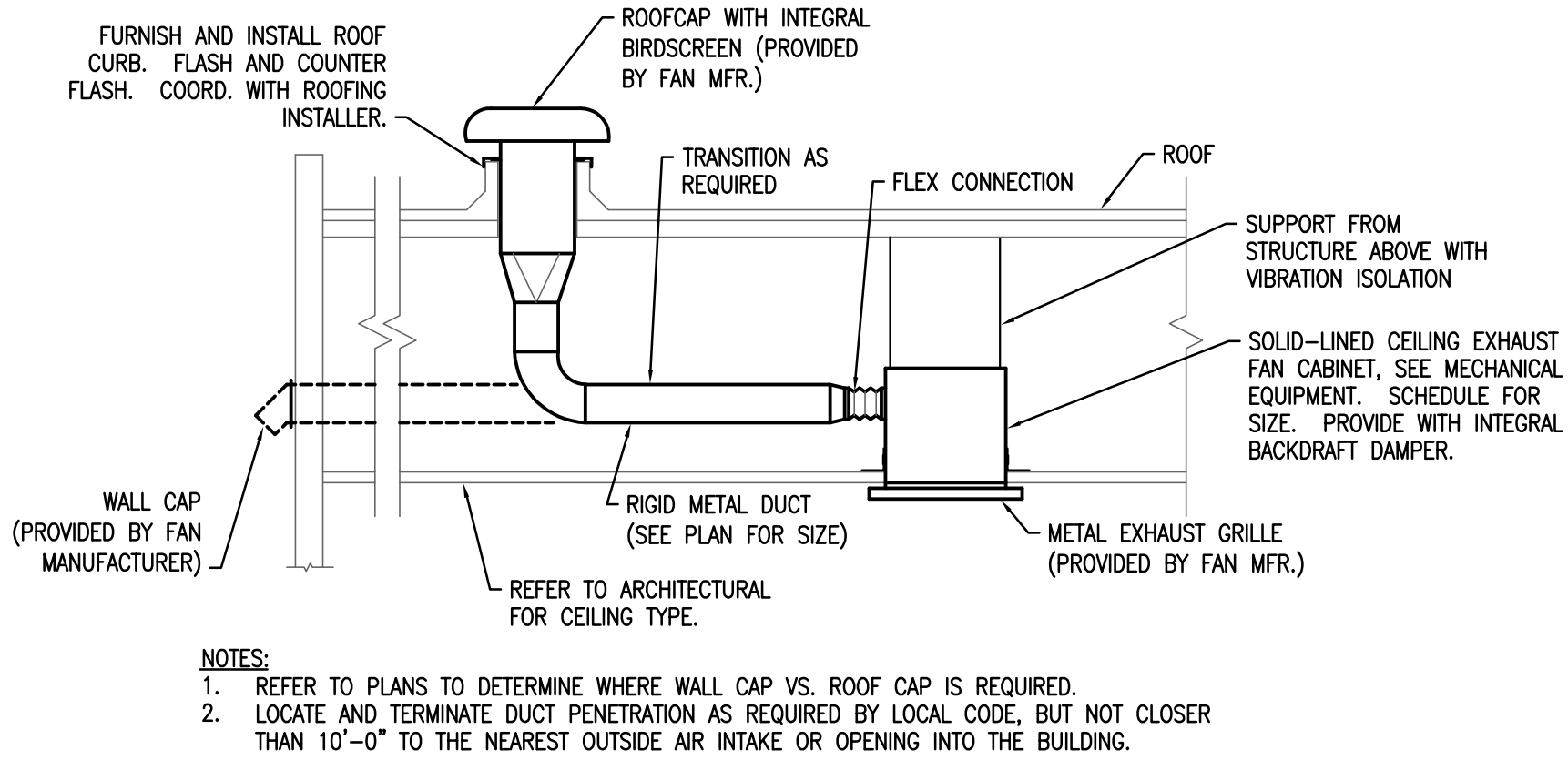
1 FABRIC DUCT STRAIGHT DUCT INLET SUSPENSION DETAIL
SCALE: NONE



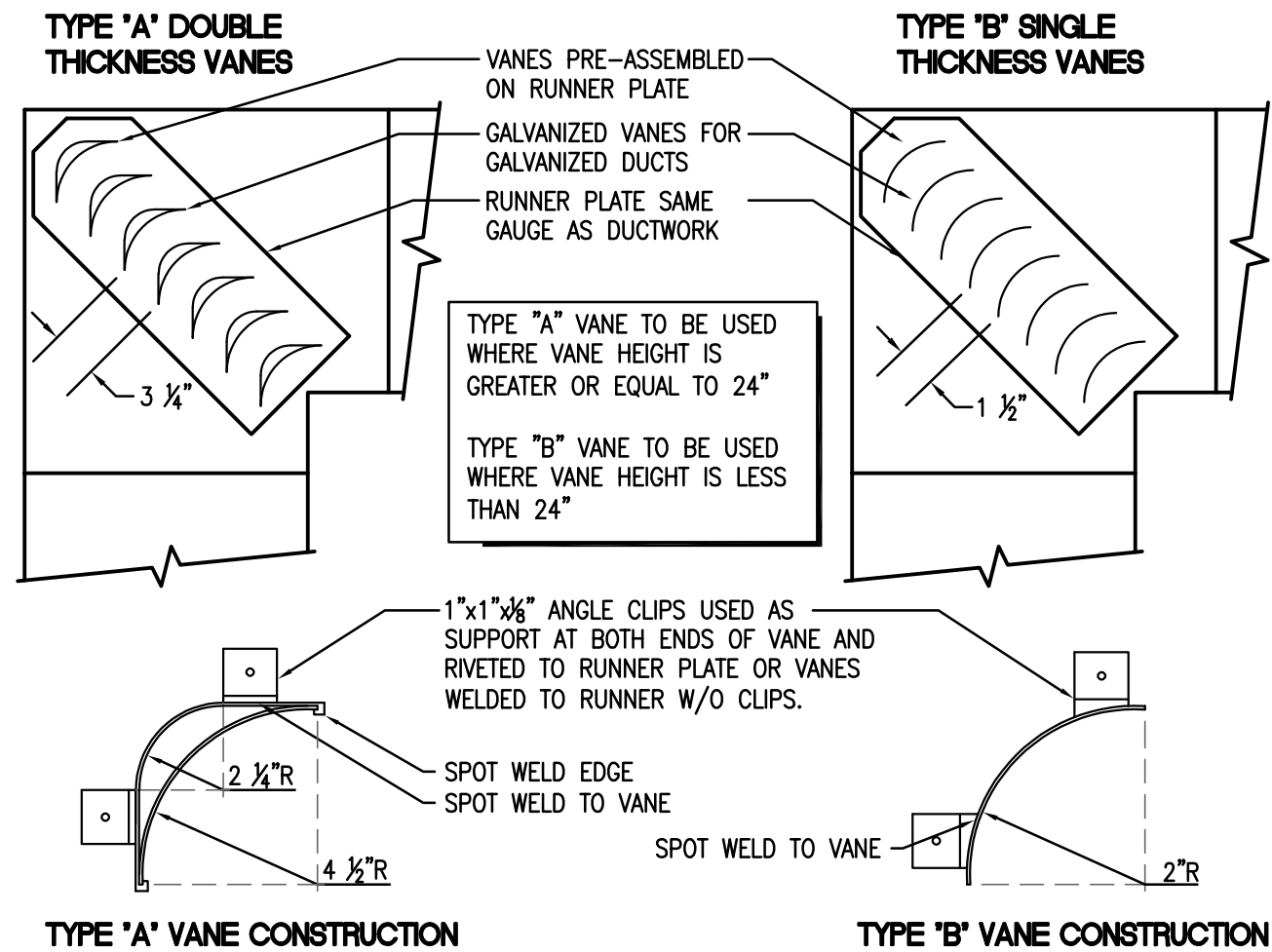
2 REFRIGERANT PIPING DETAIL
SCALE: NONE



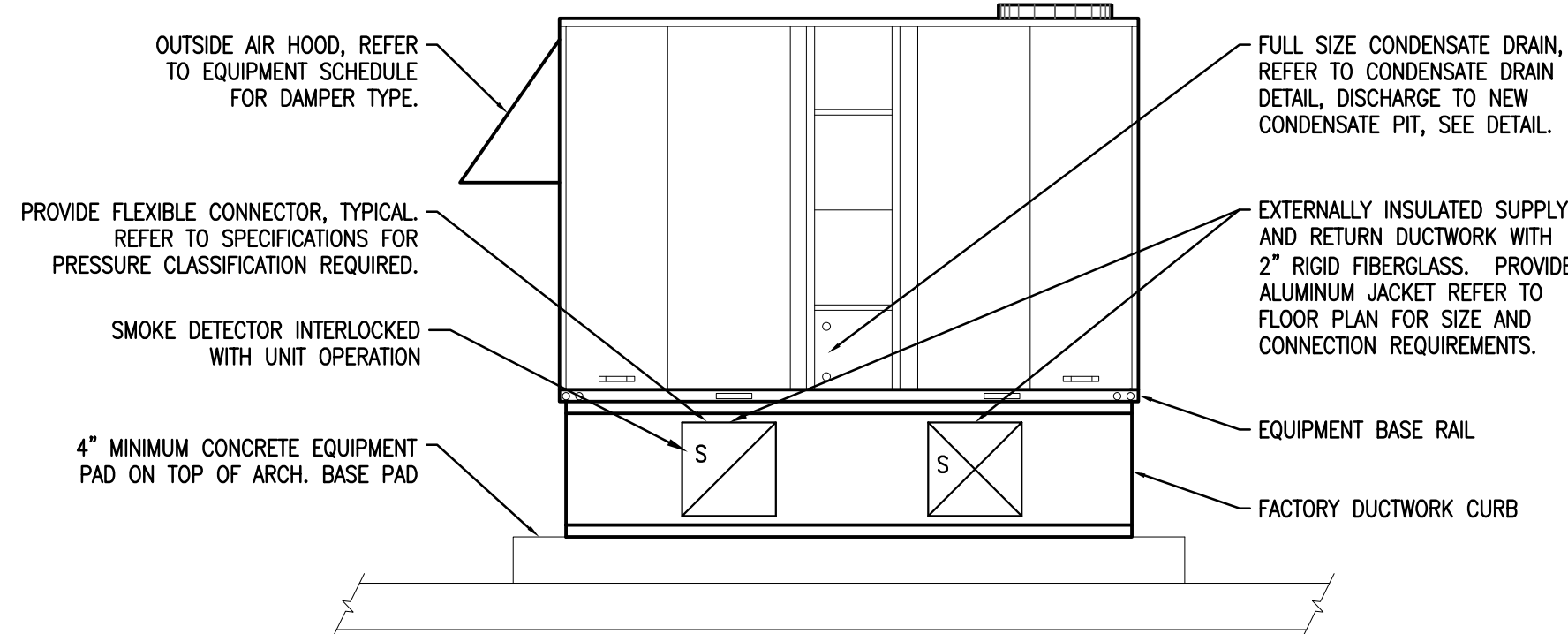
3 VERTICAL FAN COIL INSTALLATION DETAILS
SCALE: NONE



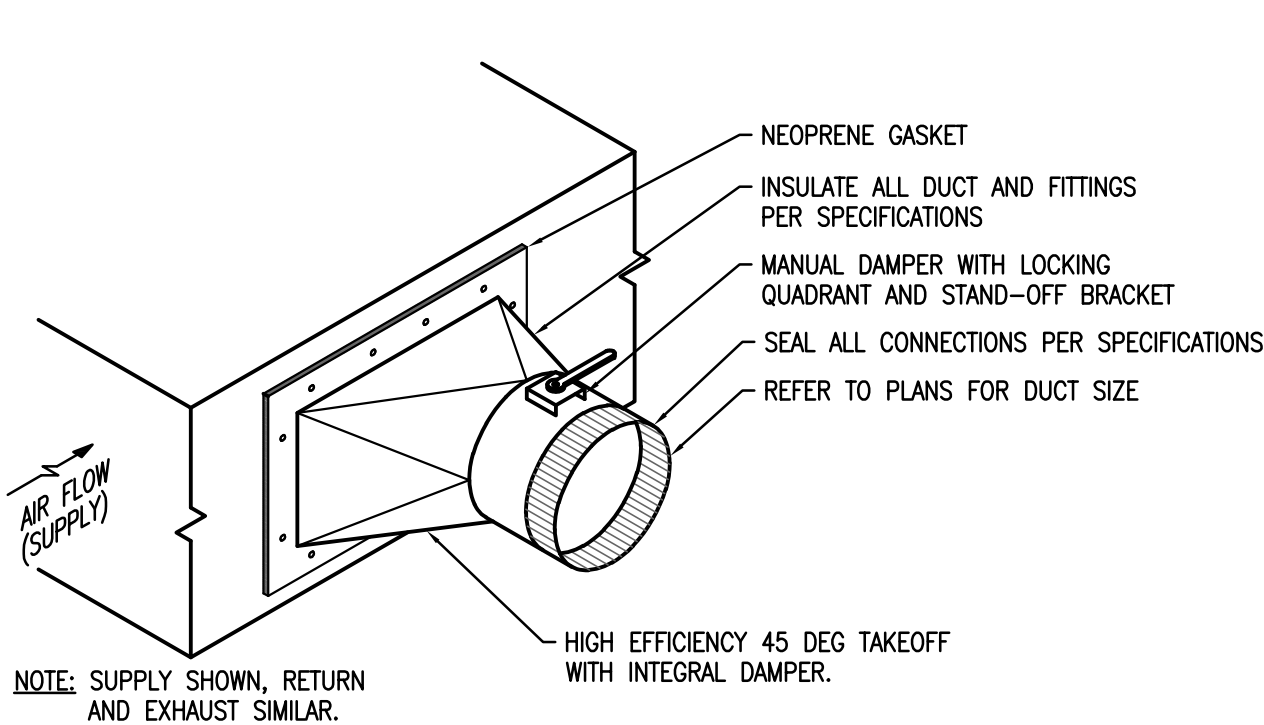
4 CEILING EXHAUST FAN DETAIL
SCALE: NONE



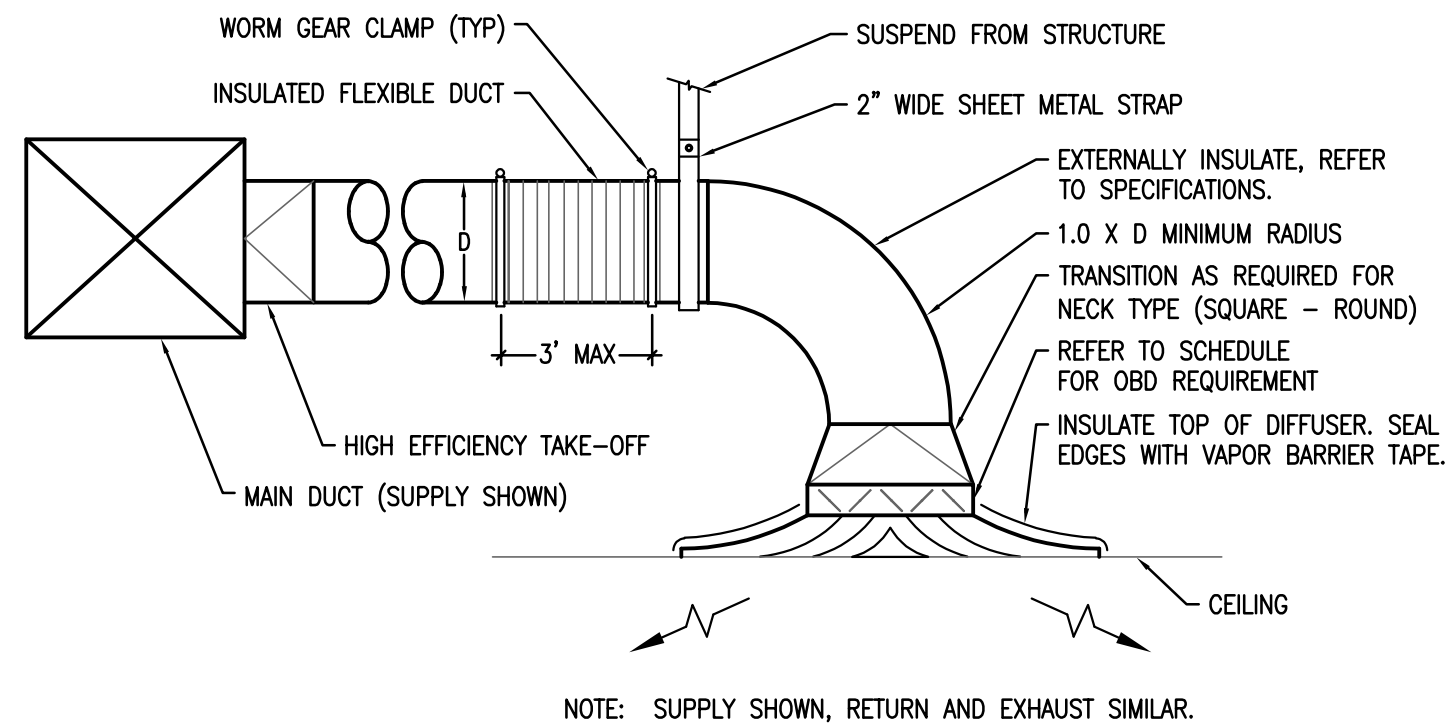
5 DUCT TURNING VANE DETAIL
SCALE: NONE



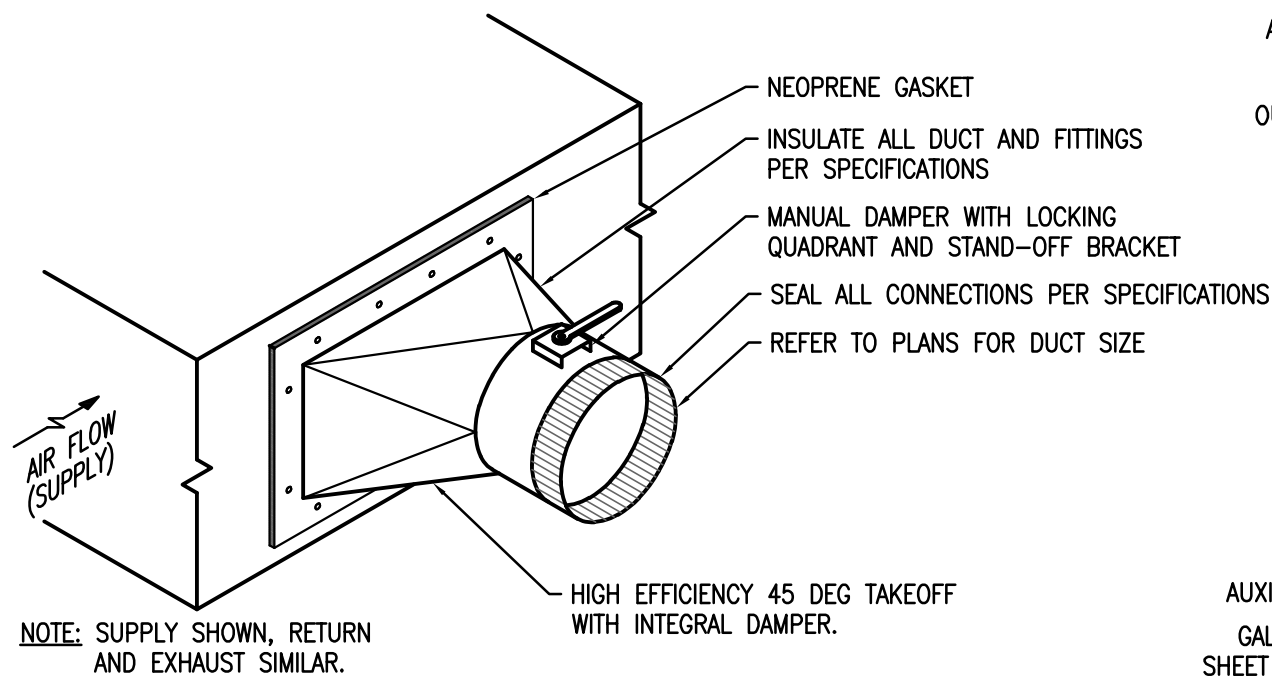
6 TYPICAL GROUND-MOUNTED PACKAGED AIR HANDLING UNIT DETAIL
SCALE: NONE



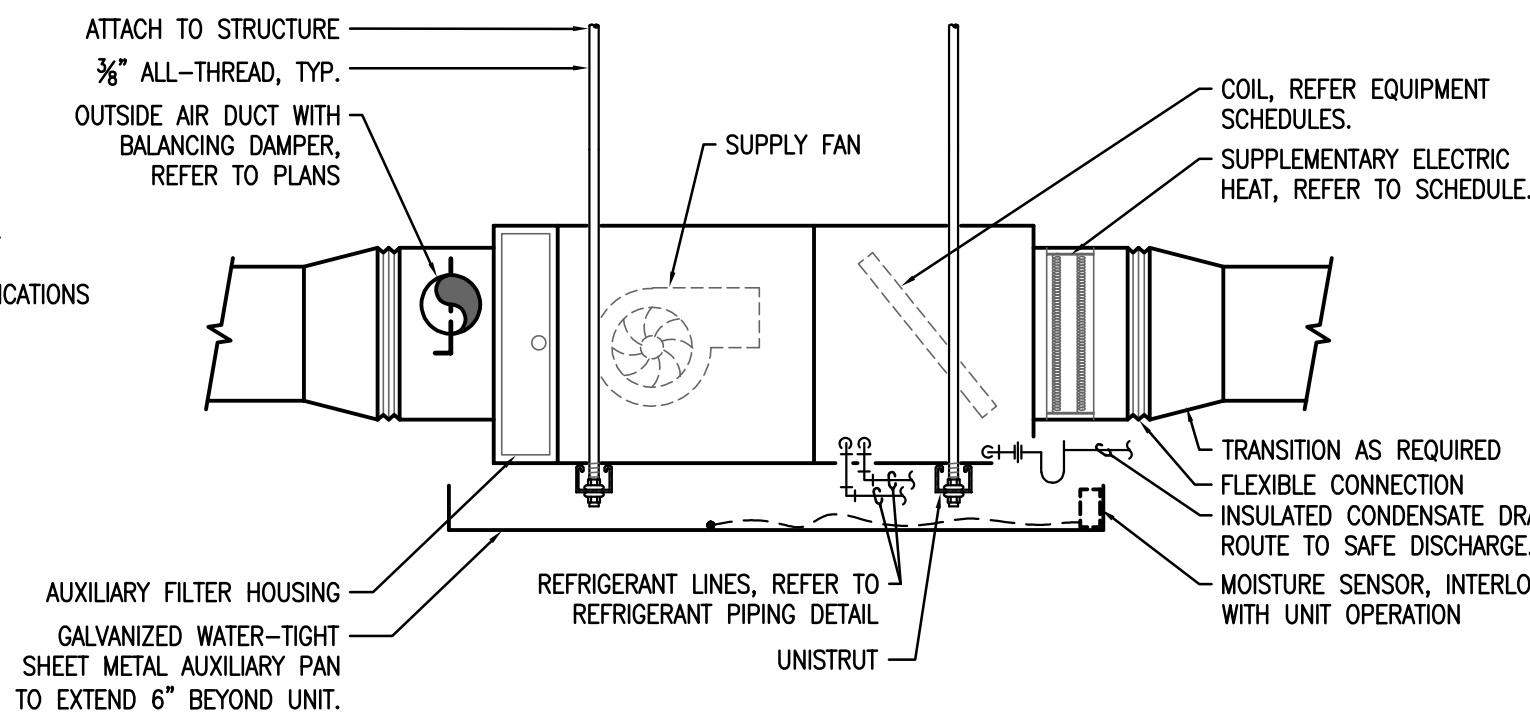
7 ROUND DUCT TAKE-OFF DETAIL
SCALE: NONE



8 CEILING DIFFUSER DETAIL
SCALE: NONE



9 ROUND DUCT TAKE-OFF DETAIL
SCALE: NONE



10 TYPICAL HORIZONTAL FAN COIL DETAIL
SCALE: NONE



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SHEET TITLE: **MECHANICAL DETAILS**
PROJECT TITLE: **Campus Renovation for OSKI**
AGENCY PROJECT #: 2000 Redmond Rd
LOCATION: Jacksonville, AR 72076

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ENERGY ENGINEERING CONSULTANTS, INC.
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CERTIFICATE OF AUTHORIZATION
ENERGY ENGINEERING CONSULTANTS, INC.
No. 1586
PROFESSIONAL ENGINEER

DATE: 8/13/2026
SHEET #: **M2.1**
Project #: **26-19**
X of X

GRAVITY VENTILATORS										
DESIGNATION	REFERENCE PRODUCT	LOCATION	TYPE	SERVES	VOLUME (CFM)	THROAT WIDTH (INCHES)	THROAT LENGTH (INCHES)	THROAT AREA (SQ. FEET)	THROAT VELOCITY (FT / MIN)	REMARKS
IV-1	COOK 12PR	ROOF	INTAKE	SEE PLANS	380	12"Ø	---	0.8	481.0	
1. ACCEPTABLE MANUFACTURERS: ACME, COOK, AND GREENHECK. 2. PROVIDE UNITS WITH ROOF CURB. COORDINATE WITH ROOF TYPE AND PITCH.										

PACKAGED GAS HEATING / ELECTRIC COOLING ROOF TOP UNITS																							
DESIGNATION	REFERENCE PRODUCT	WEIGHT (LBS)	AIRFLOW DATA			COOLING DATA							HEATING DATA				ELECTRICAL DATA						REMARKS
			TOTAL AIRFLOW (CFM)	OUTSIDE AIRFLOW (CFM)	EXTERNAL PRESSURE (IN. WATER)	FAN BHP	MOTOR HP	NOMINAL TONS	COOLING TOT/SENS (MBH)	AIR EDB/EWB (DEG. F)	AIR LDB/LWB (DEG. F)	AMBIENT AIR TEMPERATURE (DEG. F)	EER @ ARI	NAT. GAS INPUT (MBH)	HEATING OUTPUT (MBH)	EDB (DEG. F)	LDB (DEG. F)	STAGES (#)	AFUE (%)	VOLTS / PHASE	MCA	MOCP	
RTU-1	DAIKIN DSG3003	2300	9500	750	0.75	3.8	5	25	302 / 226	80 / 67	59.2 / 57.3	95	9.8	400	324	60	91.6	2	81.0	208 / 3	151	175	PROVIDE OUTSIDE AIR HOOD WITH MOTORIZED DAMPER INTERLOCKED WITH FAN OPERATION.
RTU-2, RTU-3	DAIKIN DSG1803	2000	6000	450	0.75	2.7	3.5	15	176 / 143	80 / 67	59.2 / 58.1	95	10.8	360	291	60	104.9	2	80.8	208 / 3	84.1	100	PROVIDE OUTSIDE AIR HOOD WITH MOTORIZED DAMPER INTERLOCKED WITH FAN OPERATION.
<u>NOTES:</u> 1. ACCEPTABLE MANUFACTURERS: AAO, CARRIER, DAIKIN, TRANE, YORK, APPROVED EQUAL. 2. PROVIDE EACH UNIT WITH SINGLE POINT POWER CONNECTION. 3. PROGRAMMABLE SINGLE ZONE THERMOSTAT TO BE INSTALLED. 4. PROVIDE EACH UNIT WITH ROOF CURB, COORDINATE SLOPE WITH ARCHITECTURAL. 5. PROVIDE EACH UNIT WITH COMPRESSOR SHORT CYCLE PROTECTION AND LOW PRESSURE CUT OFF SWITCH. 6. PROVIDE 5 YEAR EXTENDED PARTS WARRANTIES ON ALL REFRIGERANT COMPRESSORS. 7. PROVIDE EACH UNIT WITH TWO SETS / UNIT OF PLEATED FILTERS. INSTALL ONE SET AT END OF PROJECT CONSTRUCTION. 8. PROVIDE CURB AS NEEDED FOR HORIZONTAL DUCT CONNECT. PROVIDE WITH SMOKE DETECTOR INTERLOCKED WITH UNIT OPERATION.																							

VARIABLE REFRIGERANT FLOW (VRF) AIR CONDITIONING EQUIPMENT													
CONDENSING UNITS													
DESIGNATION	REFERENCE PRODUCT	EVAPORATOR		COMPRESSOR		REFRIGERANT PIPING				ELECTRICAL DATA		REMARKS	
		FAN QUANTITY	MOTOR (WATTS)	QUANTITY	TYPE	NOMINAL SIZE (TONS)	TOTAL CAPACITY (MBH)	LIQUID (INCHES)	VAPOR (INCHES)	H/L PRESSURE (INCHES)	VOLTS / PHASE		MCA / MCOP
HRU-1	DAIKIN REYA96	2	480	2	SCROLL	8	95.4	3/8	7/8	5/8	208 / 3	34.9 / 40	
HRU-2	DAIKIN REYA120	2	620	2	SCROLL	10	116.8	1/2	7/8	3/4	208 / 3	39.9 / 45	
BRANCH SELECTOR BOX (MULTIPLE UNITS)													
DESIGNATION	QUANTITY	NUMBER OF PORTS REQUIRED.									ELECTRICAL DATA		REMARKS
											VOLTS / PHASE	MCA / MCOP	
BS	REFER TO PLANS	MULTIPLE UNITS, REFER TO PLANS									208 / 1	<1 / 15	
FAN COIL UNITS													
DESIGNATION	REFERENCE PRODUCT	TYPE	AIRFLOW DATA			COOLING DATA			HEATING DATA		ELECTRICAL DATA		REMARKS
			TOTAL AIRFLOW (CFM)	EXTERNAL PRESSURE (IN. WATER)	OUTSIDE AIRFLOW (CFM)	TOTAL COOLING (MBH)	AIR EDB/EWB (DEG. F)	AMBIENT AIR TEMP (DEG. F)	CAPACITY AT AMBIENT OF 47 DEG. (MBH)	CAPACITY AT AMBIENT OF 16 DEG. (MBH)	VOLTS / PHASE	MCA	
FC-1-1	DAIKIN FXSA24	HORIZONTAL CONCEALED	650	0.5	50	23.9	80 / 67	95	27.9	25.7	208 / 1	1.8	
FC-1-2	DAIKIN FXFA24	CEILING CASSETTE	650	0.25	15	24.1	80 / 67	95	27.9	25.7	208 / 1	0.5	PROVIDE CONDENSATE PUMP
FC-1-3	DAIKIN FXZA12	CEILING CASSETTE	350	0.25	15	11.9	80 / 67	95	13.9	12.8	208 / 1	0.4	PROVIDE CONDENSATE PUMP
FC-1-4	DAIKIN FXZA12	CEILING CASSETTE	350	0.25	15	11.9	80 / 67	95	13.9	12.8	208 / 1	0.4	PROVIDE CONDENSATE PUMP
FC-1-5	DAIKIN FXTA30	VERTICAL	1000	0.5	100	29.9	80 / 67	95	35.3	32.5	208 / 1	4.9	PROVIDE CONDENSATE PUMP
FC-2-1	DAIKIN FXFA18	CEILING CASSETTE	550	0.25	15	18.1	80 / 67	95	20.8	19.1	208 / 1	0.4	PROVIDE CONDENSATE PUMP
FC-2-2	DAIKIN FXFA24	CEILING CASSETTE	650	0.25	60	24.1	80 / 67	95	27.9	25.7	208 / 1	0.5	PROVIDE CONDENSATE PUMP
FC-2-3	DAIKIN FXZA09	CEILING CASSETTE	250	0.25	15	9.5	80 / 67	95	10.9	10.0	208 / 1	0.3	PROVIDE CONDENSATE PUMP
FC-2-4	DAIKIN FXFA18	CEILING CASSETTE	550	0.25	15	18.1	80 / 67	95	20.8	19.1	208 / 1	0.4	PROVIDE CONDENSATE PUMP
FC-2-5	DAIKIN FXZA09	CEILING CASSETTE	250	0.25	15	9.5	80 / 67	95	10.9	10.0	208 / 1	0.3	PROVIDE CONDENSATE PUMP
FC-2-6	DAIKIN FXZA07	CEILING CASSETTE	200	0.25	15	7.5	80 / 67	95	8.8	8.1	208 / 1	0.3	PROVIDE CONDENSATE PUMP
FC-2-7	DAIKIN FXSA24	HORIZONTAL CONCEALED	700	0.5	15	23.9	80 / 67	95	27.9	25.7	208 / 1	1.8	
NOTES:													
1. THE LISTED EQUIPMENT SERVES AS THE BASIS OF DESIGN AND STANDARD OF QUALITY. EQUAL MANUFACTURER'S SYSTEMS MAY BE SUBSTITUTED.													
2. PROVIDE DISCONNECT FOR CONDENSING UNIT, DISCONNECTS FOR FAN COILS BY ELECTRICIAN.													
3. UNITS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.													
3. PROVIDE EACH FAN COIL WITH ELECTRONIC EXPANSION VALVES													
3. PROVIDE AND INSTALL CENTRALIZED CONTROLLER FOR ENTIRE BUILDING WITH WIRED CONTROLLER FOR EACH FAN COIL.													
2. CONDENSING UNIT START-UP AND COMMISSIONING SHALL BE PERFORMED BY MANUFACTURER CERTIFIED TECHNICIAN.													

MINI / DUCTLESS SPLIT HEAT PUMPS																
DESIGNATION	REFERENCE PRODUCT	TYPE	AIR FLOW RATE (CFM)	COOLING				ACCESSORIES			ELECTRICAL DATA					REMARKS
				NOMINAL CAPACITY (TONS)	TOTAL / SENSIBLE CAPACITY (MBH)	AIR EDG / FWB (DEG. F)	MINIMUM SEER2	HSPF2	CONDENSATE PUMP	WIRED CONTROLLER	INDOOR UNIT		OUTDOOR UNIT			
											VOLTS / PHASE	MCA	VOLTS / PHASE	MCA	MCOP	
DS-1	DAIKIN FDM18AV	HORIZONTAL DUCTED	525	1.5	17.5 / 14.4	80 / 67	18	9.2	NO	YES	208 / 1	1.9	208 / 1	21.4	25	PROVIDE WITH WIRED WALL MOUNTED CONTROLLER.
DS-2	DAIKIN FFA/RXV18	CEILING CASSETTE	500	1.5	17.4 / 14.3	80 / 67	18	9.2	YES	NO	208 / 1	0.9	208 / 1	17.9	20	PROVIDE WITH WIRED WALL MOUNTED CONTROLLER.
DS-3 OUTDOOR	DAIKIN 3MSM24	----	----	2	23	----	21	10.5	----	----	----	----	208 / 1	19.9	25	PROVIDE WITH MULTI-PORT PIPING AND CONTROL
DS-3A INDOOR	DAIKIN FTXV12	WALL MOUNTED	350	1	11.8 / 9.3	80 / 67	----	----	NO	YES	208 / 1	1.2	----	----	----	PROVIDE WITH WIRED WALL MOUNTED CONTROLLER.
DS-3B INDOOR	DAIKIN FTXV12	WALL MOUNTED	350	1	11.8 / 9.3	80 / 67	----	----	NO	YES	208 / 1	1.2	----	----	----	PROVIDE WITH WIRED WALL MOUNTED CONTROLLER.
DS-4, DS-5	DAIKIN RXV/FTX24	WALL MOUNTED	650	2	23.4 / 17.4	80 / 67	18	9.2	NO	YES	208 / 1	1.2	208 / 1	19.9	25	PROVIDE WITH WIRED WALL MOUNTED CONTROLLER.

NOTES:

1. FIELD ROUTE REFRIGERANT LINE SET BETWEEN INDOOR / OUTDOOR UNITS (SIZED PER MANUFACTURER RECOMMENDATION).
2. PROVIDE WALL MOUNT T-STAT, COMPRESSOR SHORT CYCLE PROTECTOR, HIGH AND LOW PRESSURE PROTECTIONS, AND 5 YEAR WARRANTY ON COMPRESSORS..
3. ELECTRICAL DISCONNECT BY ELECTRICIAN. COORDINATE LOCATION AND CONNECTION WITH ELECTRICAL CONTRACTOR.
4. PROVIDE INDOOR UNITS WITH REFRIGERANT DETECTION SYSTEM

AIR DEVICES													
MARK	REFERENCE PRODUCT	USE	MAXIMUM AIRFLOW (CFM)	TYPE	STYLE	NECK SIZE (INCHES)	FACE SIZE (INCHES)	MAXIMUM APD (INCHES W.C.)	MAXIMUM N.C. RATING	MATERIAL	FINISH	PROVIDE OBD	REMARKS
A	PRICE SCD	SUPPLY	100	CEILING	LOUVERED	6" Ø	12 x 12	0.03	25	STEEL	WHITE	YES	
B	PRICE SCD	SUPPLY	225	CEILING	LOUVERED	8" Ø	24 x 24	0.04	25	STEEL	WHITE	YES	
C	PRICE SCD	SUPPLY	375	CEILING	LOUVERED	10" Ø	24 x 24	0.06	25	STEEL	WHITE	YES	
1	PRICE 80	RETURN / EXHAUST	100	CEILING	EGGCRATE	6 x 6	12 x 12	-0.04	20	ALUMINUM	WHITE	NO	PROVIDE WITH 6"Ø ADAPTER
2	PRICE 80	RETURN / EXHAUST	225	CEILING	EGGCRATE	8 x 8	24 x 24	-0.04	20	ALUMINUM	WHITE	NO	PROVIDE WITH 8"Ø ADAPTER
3	PRICE 80	RETURN / EXHAUST	550	CEILING	EGGCRATE	12 x 12	24 x 24	-0.05	20	ALUMINUM	WHITE	NO	PROVIDE WITH 12"Ø ADAPTER
4	PRICE 80	RETURN / EXHAUST	950	CEILING	EGGCRATE	16 x 16	24 x 24	-0.05	20	ALUMINUM	WHITE	NO	PROVIDE WITH 16"Ø ADAPTER
5	PRICE 96	RETURN / EXHAUST	10,000	SIDEWALL	BAR	60 / 60	64 x 64	-0.06	25	STEEL	WHITE	NO	3/4" SPACING WITH 45° DEFLECTION
6	PRICE 96	RETURN / EXHAUST	6,000	SIDEWALL	BAR	48 / 48	52 x 52	-0.06	25	STEEL	WHITE	NO	3/4" SPACING WITH 45° DEFLECTION
7	PRICE 93	RETURN / EXHAUST	1000	SIDEWALL	BAR	26 / 16	28 x 18	-0.05	25	STEEL	WHITE	NO	1/2" SPACING WITH 45° DEFLECTION
NOTES: 1. ACCEPTABLE MANUFACTURERS: KRUEGER, METALAIR, PRICE, TITUS, AND TUTTLE & BAILEY. 2. ALL CEILING DIFFUSERS SHALL BE 4-WAY THROW UNLESS OTHERWISE INDICATED ON PLANS. 3. COORDINATE WITH ARCHITECTURAL ROOM FINISH SCHEDULES FOR DEVICE FRAMING REQUIREMENTS. 4. PROVIDE OPPOSED BLADE DAMPERS AT ALL BRANCH TAKE-OFFS EVEN IF OBD'S ARE INDICATED FOR AIR DEVICES. 5. PROVIDE SQUARE TO ROUND TRANSITIONS AS REQUIRED FOR CONNECTION TO GRILLES.													

EXHAUST FANS										
MARK	REFERENCE PRODUCT	TYPE	FAN DATA			ELECTRICAL				REMARKS
			AIR FLOW (CFM)	TOTAL STATIC PRESSURE (IN. WATER)	DRIVE	ROTATION (RPM)	SONES	VOLTS / PHASE	MOTOR SIZE (MHP)	
EF-1	GREENHECK SP-B110	CEILING	75	1/4	DIRECT	748	1.1	115 / 1	80 (W)	PROVIDE WITH FACTORY MOUNTED SPEED CONTROLLER. UNIT SHALL INTERLOCK WITH LIGHT SWITCH. COORDINATE WITH ELECTRICIAN.
EF-2	GREENHECK SP-B110	CEILING	75	1/4	DIRECT	748	1.1	115 / 1	80 (W)	PROVIDE WITH FACTORY MOUNTED SPEED CONTROLLER. UNIT SHALL INTERLOCK WITH LIGHT SWITCH. COORDINATE WITH ELECTRICIAN.
EF-3	GREENHECK SP-B110	CEILING	75	1/4	DIRECT	748	1.1	115 / 1	80 (W)	PROVIDE WITH FACTORY MOUNTED SPEED CONTROLLER. UNIT SHALL INTERLOCK WITH LIGHT SWITCH. COORDINATE WITH ELECTRICIAN.
EF-4	GREENHECK SP-A290	CEILING	225	3/8	DIRECT	1,030	3.7	115 / 1	81 (W)	PROVIDE WITH FACTORY MOUNTED SPEED CONTROLLER. UNIT SHALL INTERLOCK WITH ASSOCIATED FURNACE.
EF-5	GREENHECK SP-A290	CEILING	225	3/8	DIRECT	1,030	3.7	115 / 1	81 (W)	PROVIDE WITH FACTORY MOUNTED SPEED CONTROLLER. UNIT SHALL INTERLOCK WITH ASSOCIATED FURNACE.
EF-6	GREENHECK SP-A190	CEILING	150	3/8	DIRECT	1,030	3.7	115 / 1	81 (W)	PROVIDE WITH FACTORY MOUNTED SPEED CONTROLLER. UNIT SHALL INTERLOCK WITH ASSOCIATED FURNACE.
EF-7	GREENHECK SP-A190	CEILING	150	3/8	DIRECT	1,030	3.7	115 / 1	81 (W)	PROVIDE WITH FACTORY MOUNTED SPEED CONTROLLER. UNIT SHALL INTERLOCK WITH ASSOCIATED FURNACE.

NOTES:

1. ACCEPTABLE MANUFACTURERS: ACME, COOK, GREENHECK, AND TWIN CITY.
2. PROVIDE ROOF MOUNTED FANS WITH STARTER AND DISCONNECT.
3. KITCHEN EXHAUST FAN TO BE HIGH TEMPERATURE RATED FOR 400 DEGREE F. OPERATION AND FULLY WELDED STAINLESS STEEL DUCT SYSTEM.
4. PROVIDE INLINE AND CEILING FANS WITH ISOLATION HANGER KITS, DISCONNECTS AND FLEXIBLE CONNECTIONS.

FAN FILTER UNIT										
DESIGNATION	REFERENCE PRODUCT	FILTER TYPE AND REMOVAL	UNIT SIZE W x H	MOTOR / FAN	MAXIMUM AIRFLOW (CFM)	PRESSURE DROP (IN. WATER)	MINIMUM FREE AREA (SQ FT.)	ELECTRICAL		REMARKS
								VOLTS / PHASE	WATTS	
FFU-1	PRICE RSR-FC-ECM	HEPA / ROOMSIDE	2' x 4'	ECM / BC	750	0.08	0.48	115 / 1	220	STANDARD WHITE
FFU-2	PRICE RSR-FC-ECM	HEPA / ROOMSIDE	2' x 4'	ECM / BC	750	0.08	0.48	115 / 1	220	STANDARD WHITE
NOTES: 1. ACCEPTABLE MANUFACTURERS:ENVIRNCO, PRICE, APPROVED EQUAL. 2. PROVIDE WITH FILTER, ROOM SIDE SERVICE (FILTER AND MOTOR). SPEED CONTROL, EXTRUDED KNIFE EDGE FRAME. 3. PROVIDE WITH CONSTANT FLOW PACKAGE AND ROOM SIDE FILTER AND MOTOR STAUS. 4. REFER TO PLANS FOR DUCT COLLAR SIZE AND APPLICABILITY.										

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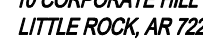


LOCATION:

MECHANICAL SCHEDULES

Campus Renovation for OSKI

2000 Redmond Rd
Jacksonville, AR 72076



EECI
*ENERGY ENGINEERING
CONSULTANTS, INC.*

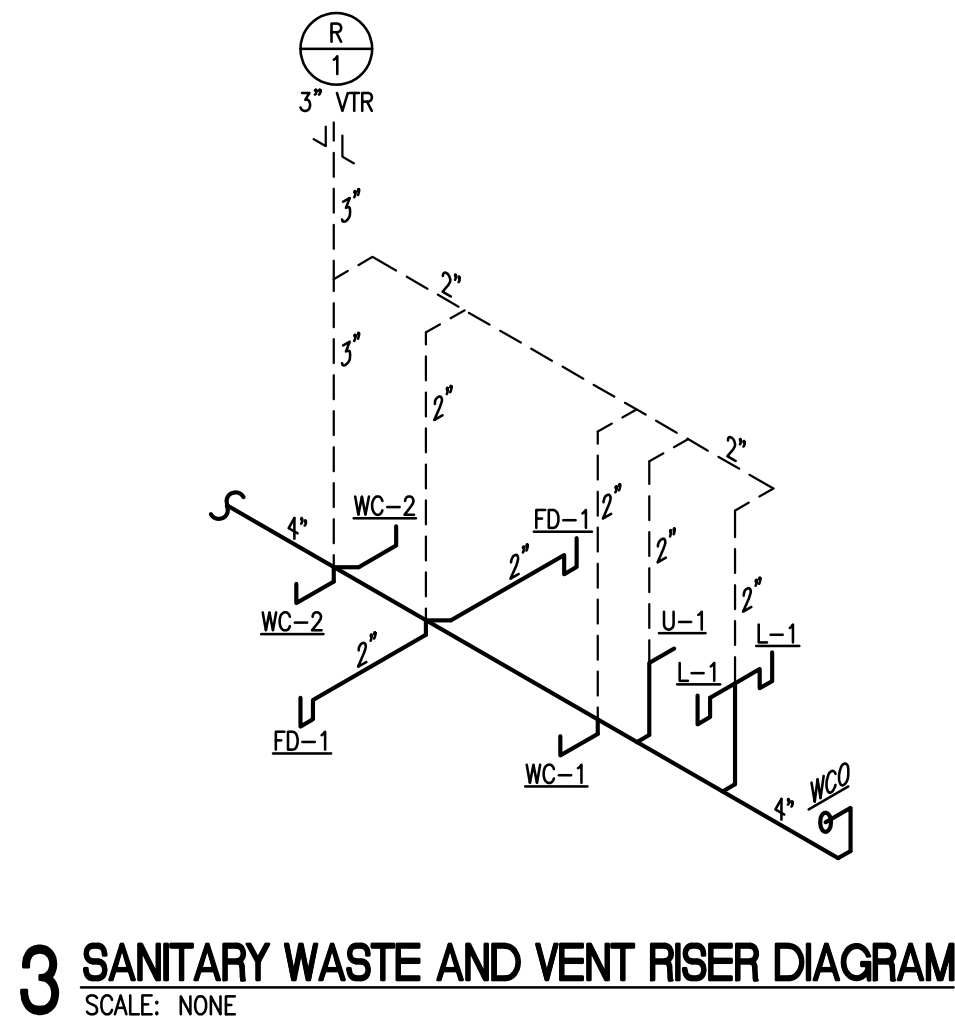
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LITTLE ROCK, AR 72205 FX: (501) 244-0241

DATE **8/13/2026**

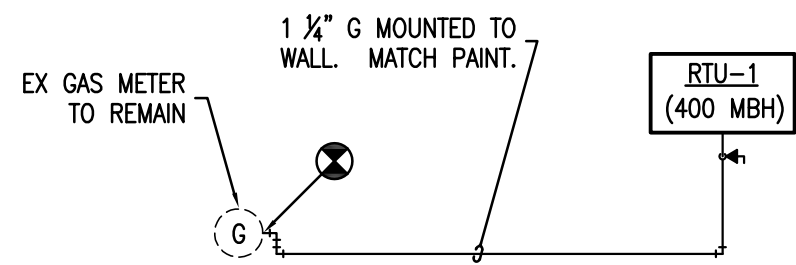
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Project # 26-19

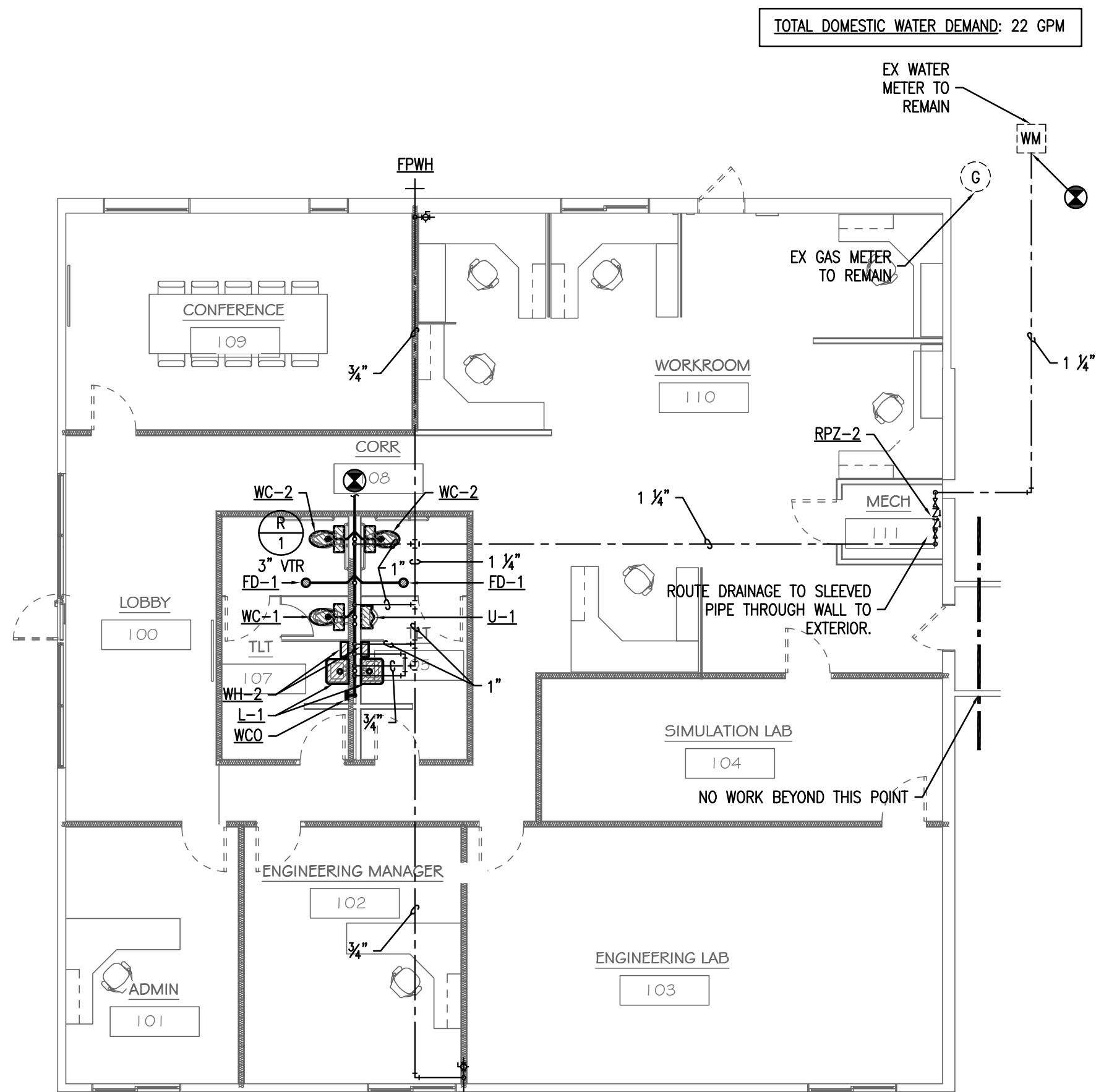
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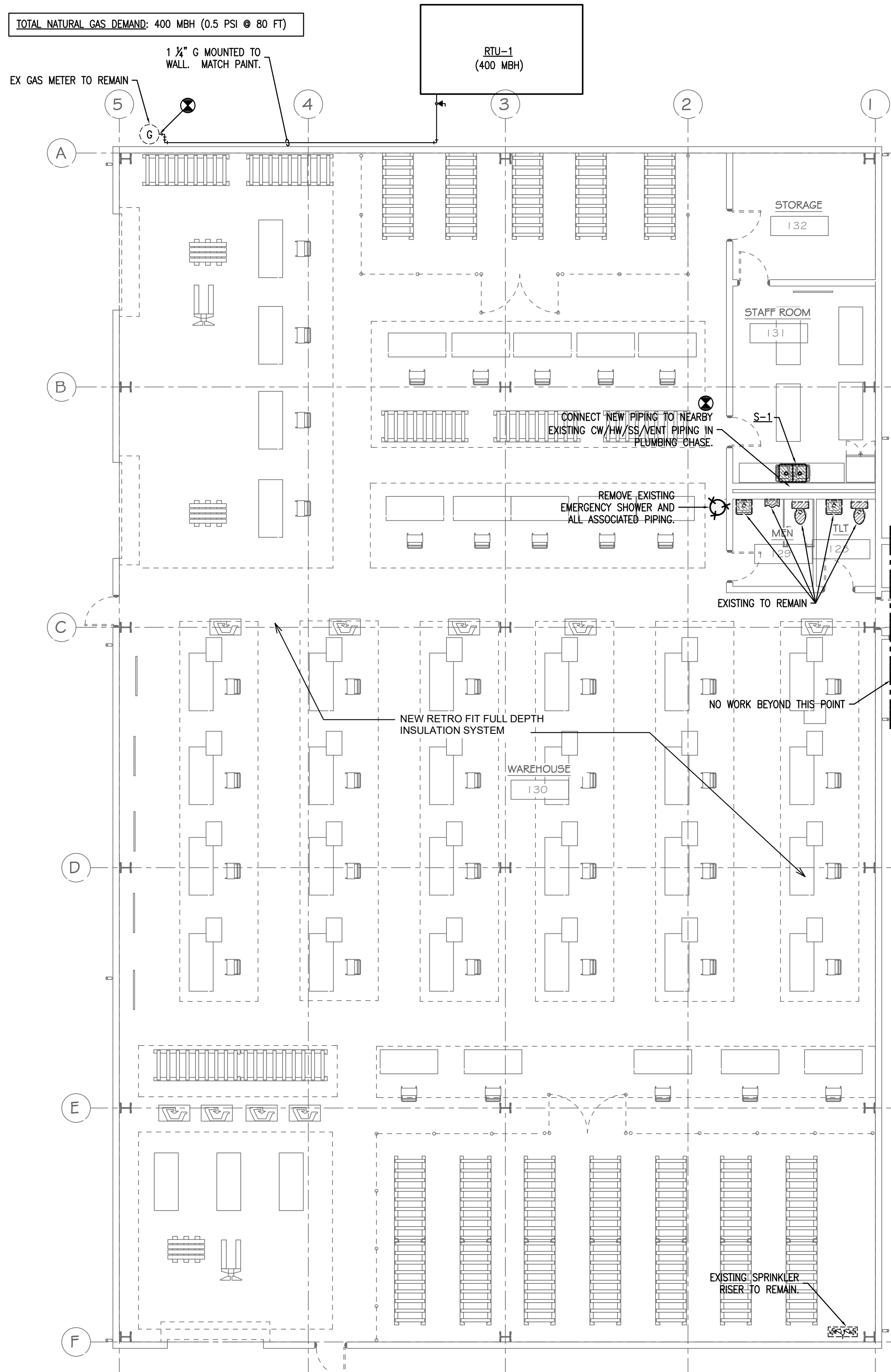
3 SANITARY WASTE AND VENT RISER DIAGRAM
SCALE: NONE



4 NATURAL GAS RISER DIAGRAM
SCALE: NONE



2 PLUMBING PLAN - R AND D / STORAGE
SCALE: 1/8" = 1'-0"



1 PLUMBING PLAN - MAIN OFFICE / FINAL ASSEMBLY
SCALE: 1/8" = 1'-0"



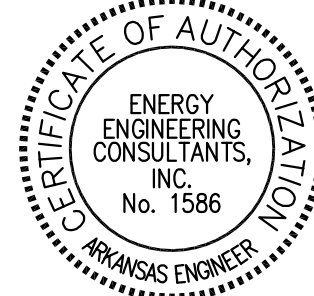
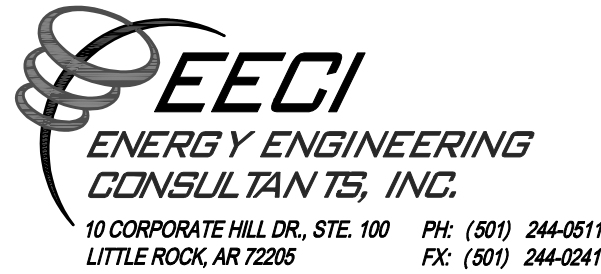
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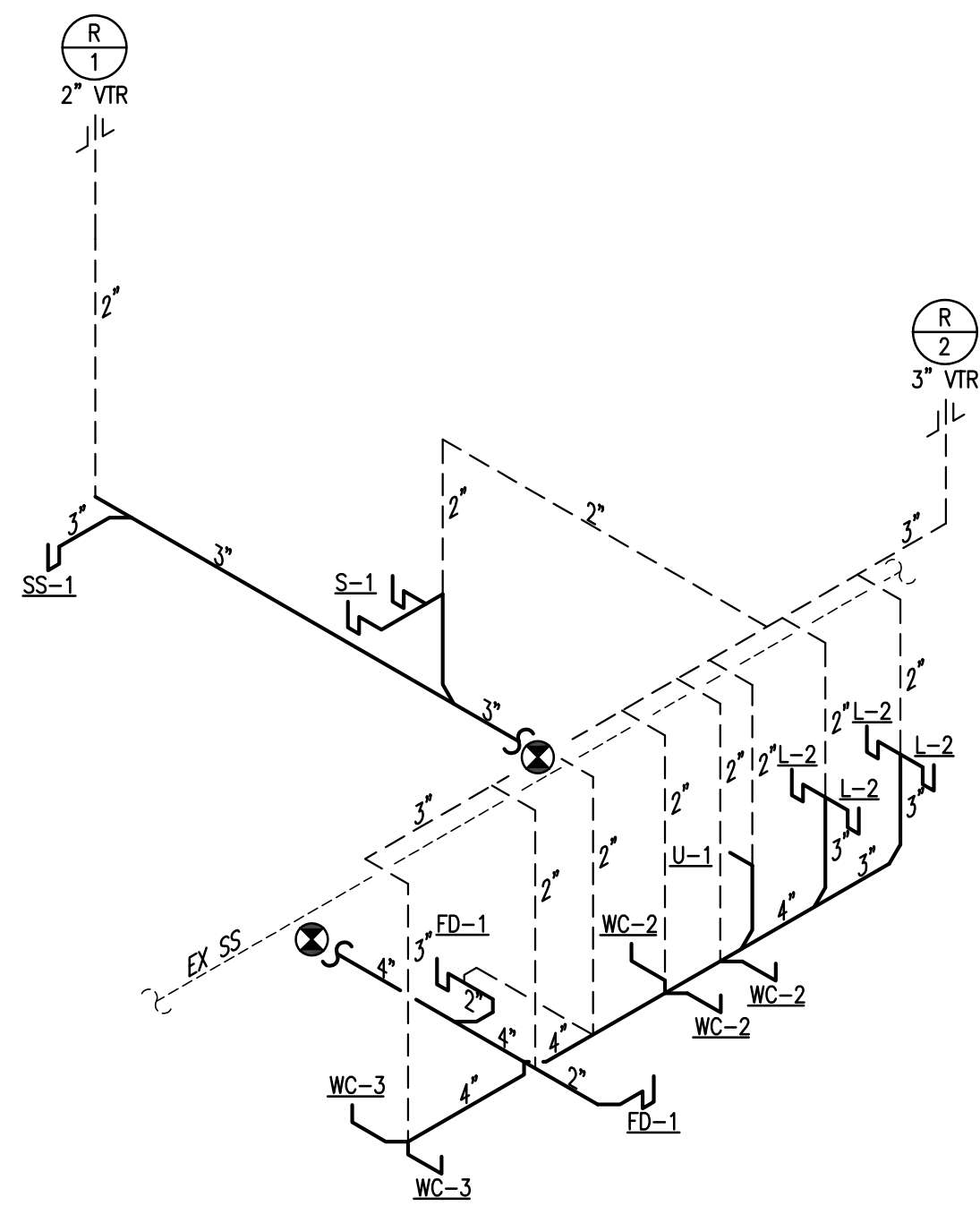
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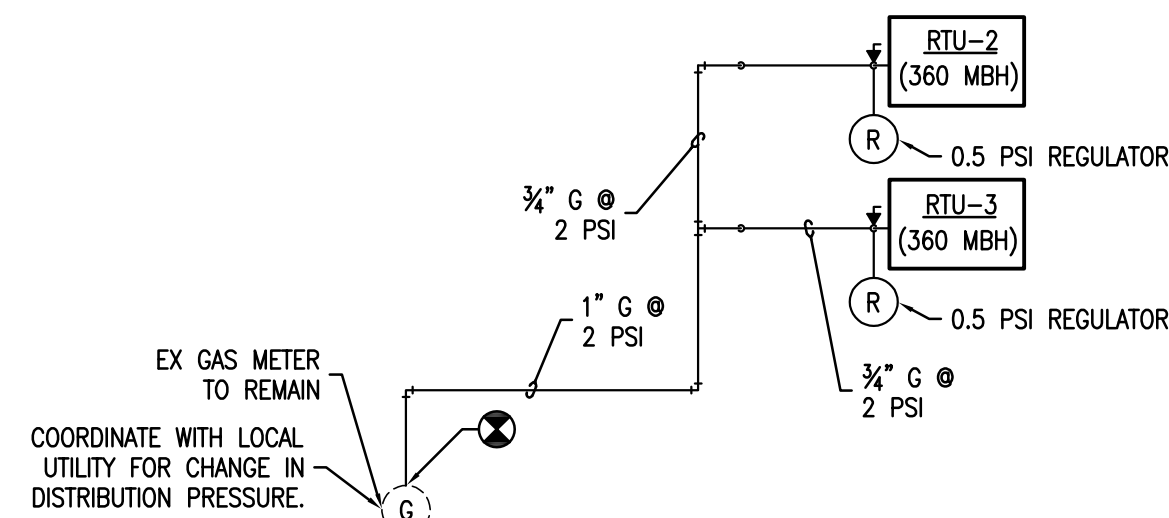
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PROJECT TITLE: **Campus Renovation for OSKI**
AGENCY PROJECT #: 2000 Redmond Rd
LOCATION: Jacksonville, AR 72076



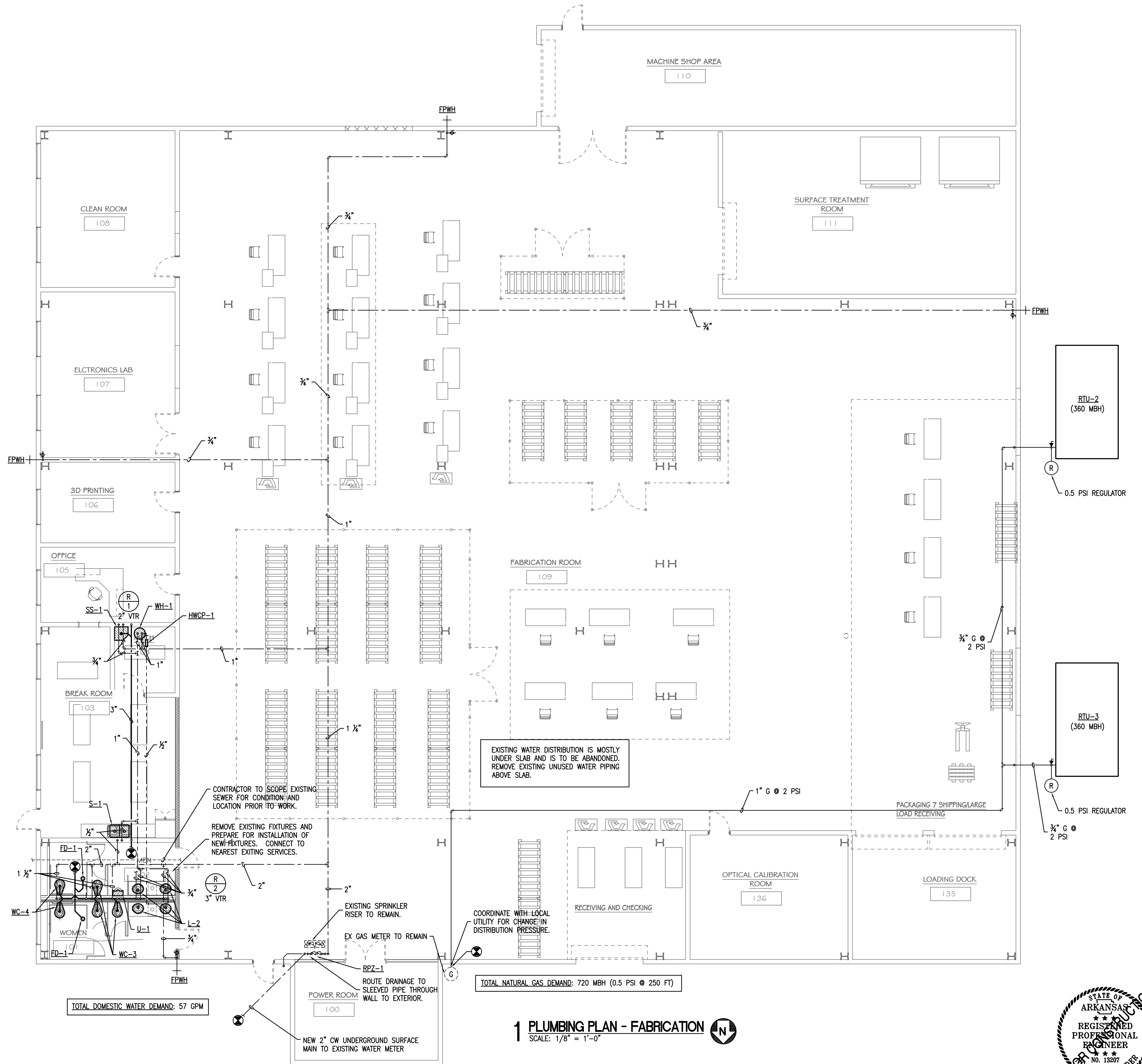
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SHEET #: **P1.1**
Project #: **26-19**
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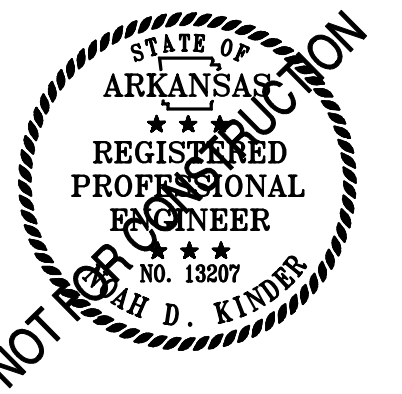
2 SANITARY WASTE AND VENT RISER DIAGRAM
SCALE: NONE



3 NATURAL GAS RISER DIAGRAM
SCALE: NONE



1 PLUMBING PLAN - FABRICATION
SCALE: 1/8" = 1'-0"



No.	Description	Date

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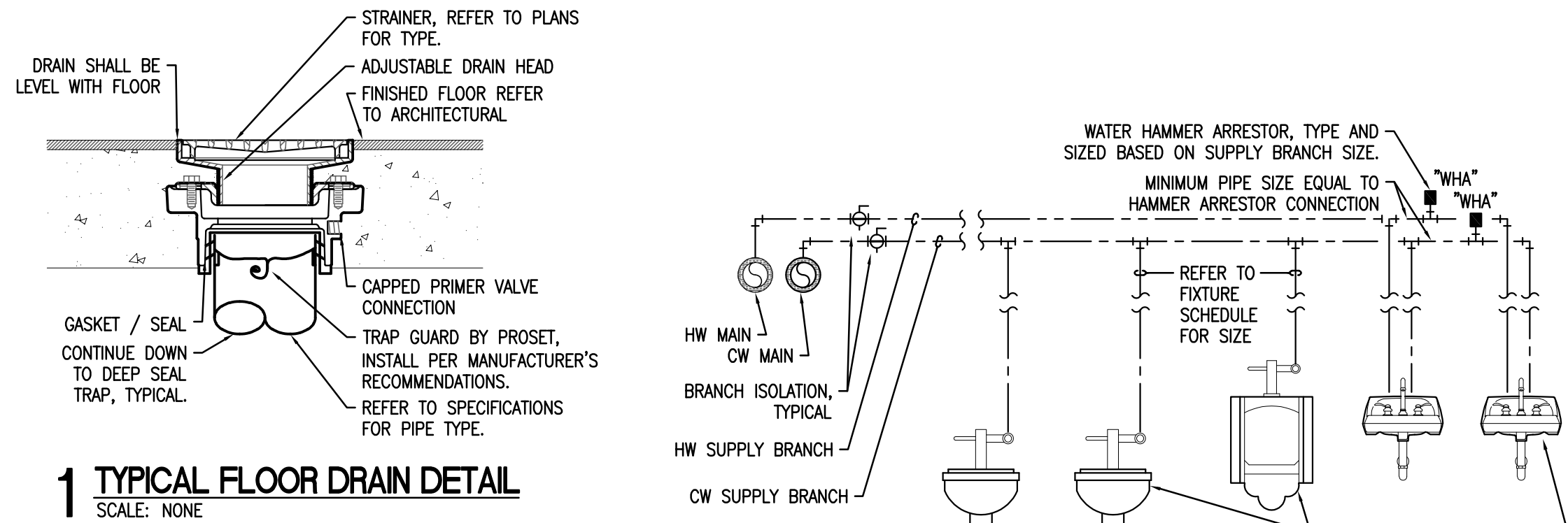
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PROJECT TITLE: **Campus Renovation for OSKI**
AGENCY PROJECT #: 2000 Redmond Rd
LOCATION: Jacksonville, AR 72076

EECI ENERGY ENGINEERING CONSULTANTS, INC.
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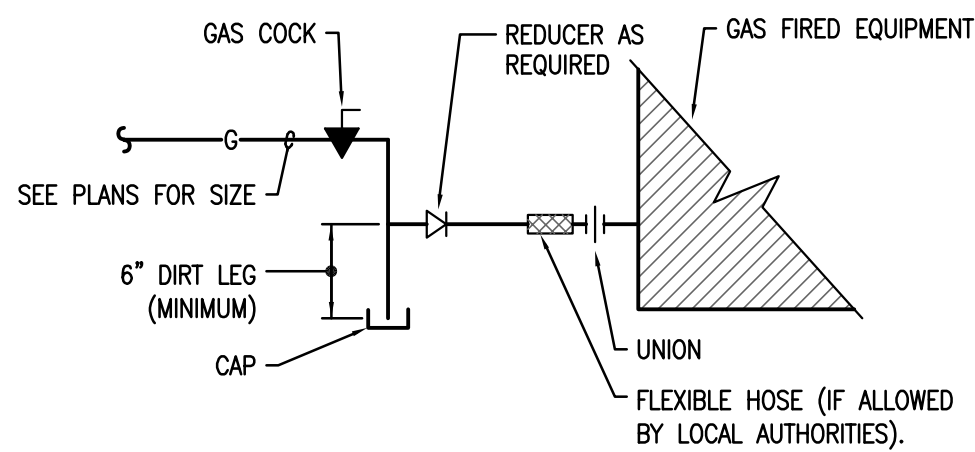
CERTIFICATE OF AUTHORIZATION
ENERGY ENGINEERING CONSULTANTS, INC.
No. 1586
ARKANSAS ENGINEER

DATE: 8/13/2026
SHEET #: **P1.2**
Project #: **26-19**
X of X

PLUMBING LEGEND			
	POINT OF CONNECTION - NEW TO EXISTING		ELBOW UP
	EXISTING TO REMAIN,		ELBOW DOWN
	EXISTING TO BE REMOVED,		TEE OUTLET UP
	DOMESTIC COLD WATER (CW)		TEE OUTLET DOWN
	DOMESTIC HOT WATER (HW)		CONCENTRIC REDUCER
	DOMESTIC HOT WATER RETURN (HWR)		UNION
	SANITARY SEWER		STRAINER WITH BLOWDOWN VALVE
	SANITARY VENT		GATE VALVE
	ACID WASTE		GLOBE VALVE
	ACID VENT		BALL VALVE
	STORM DRAIN		GAS VALVE
	NATURAL GAS		OS&Y VALVE
	MEDICAL GAS - VACUUM		CHECK VALVE
	MEDICAL GAS - AIR		LEVER OPERATED BUTTERFLY VALVE
	MEDICAL GAS - OXYGEN		GEAR OPERATED BUTTERFLY VALVE
	MEDICAL GAS - NITROUS OXIDE		PRESSURE REDUCING VALVE
	NITROGEN		BALANCING VALVE WITH DIFFERENTIAL PRESSURE TAPS
	FIRE STANDPIPE / SPRINKLER PIPE		REDUCED PRESSURE BACKFLOW PREVENTER
			HAMMER ARRESTOR
			CAP ON END LINE
			T&P RELIEF VALVE
			LINE CLEANOUT
			DOUBLE CLEANOUT TO GRADE (DCOTG)
			FLOOR CLEANOUT (FCO)
			PRESSURE GAUGE WITH GAUGE COCK
			THERMOMETER
			WATER METER
			GAS REGULATOR
			FLOW SWITCH
			PRESSURE SWITCH
			SIAMESE CONNECTION



1 TYPICAL FLOOR DRAIN DETAIL
SCALE: NONE

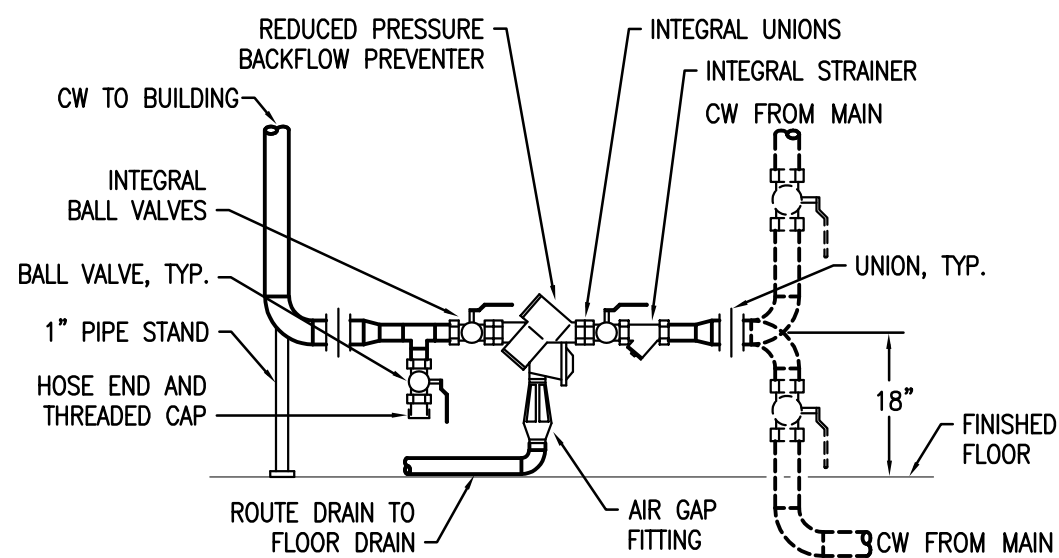


2 NATURAL GAS CONNECTION DETAIL
SCALE: NONE

HAMMER ARRESTOR SCHEDULE			
SUPPLY BRANCH SIZE	P.D.I. STANDARD SYMBOL	HAMMER ARRESTOR CONNECTION	FIXTURE UNITS
1/2" - 1"	A	1/2"	1-11
1-1/4"	B	3/4"	12-32
1-1/2"	C	1"	33-60
2"	D	1"	61-113
2-1/2"	E	1"	114-154
3"	F	1"	155-330

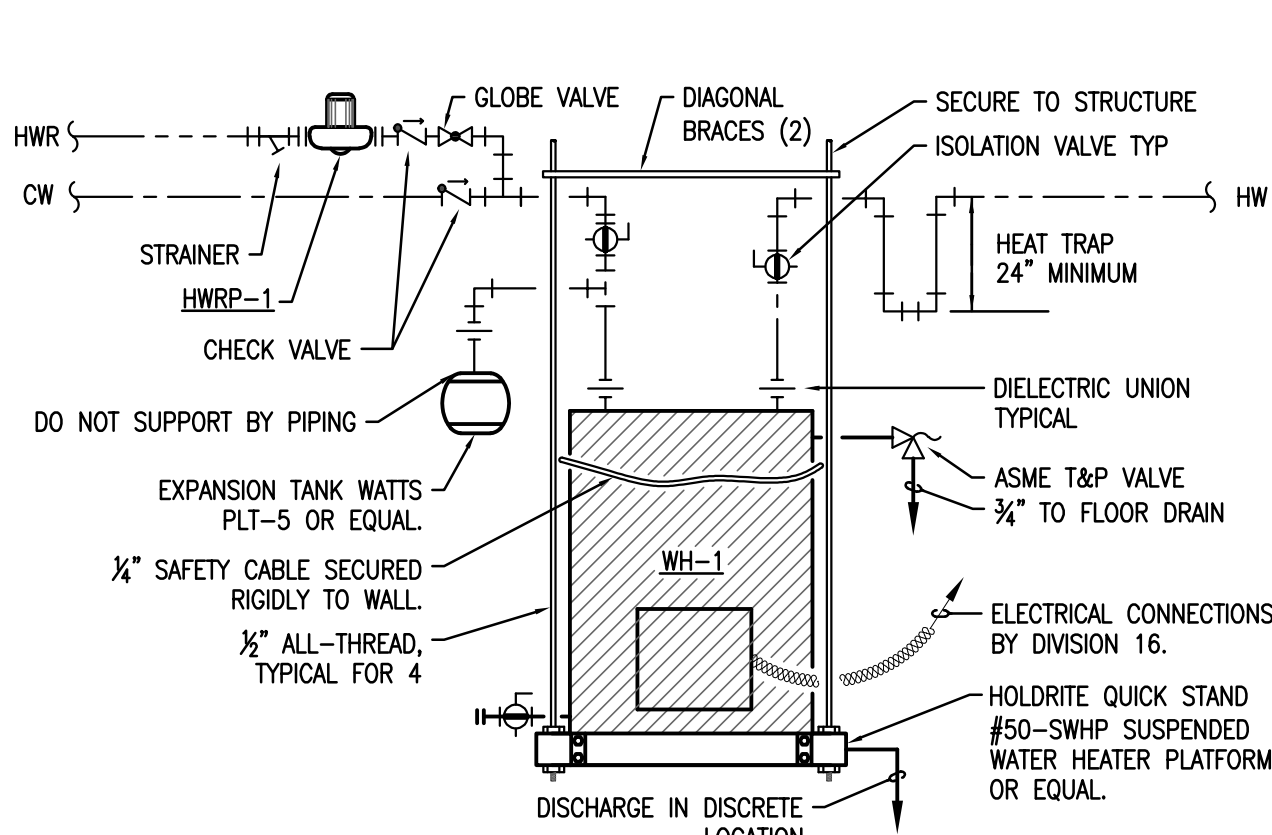
- NOTES:
- ALL BATHROOM GROUPS SHALL INCLUDE A MINIMUM OF ONE CW ARRESTOR AND ONE HW ARRESTOR SIZED PER HAMMER ARRESTOR SCHEDULE. ADDITIONAL ARRESTORS SHALL BE INSTALLED WHERE INDICATED (P.D.I. SYMBOL INCLUDED ON PLANS).
 - ARRESTORS SHALL BE P.D.I. WH201 APPROVED AND CERTIFIED.
 - ARRESTORS SHALL HAVE WROUGHT COPPER SHELL WITH THREADED CONNECTIONS AND HYDRO-PNEUMATIC AIR CUSHION.

3 WATER HAMMER ARRESTOR DETAIL
SCALE: NONE

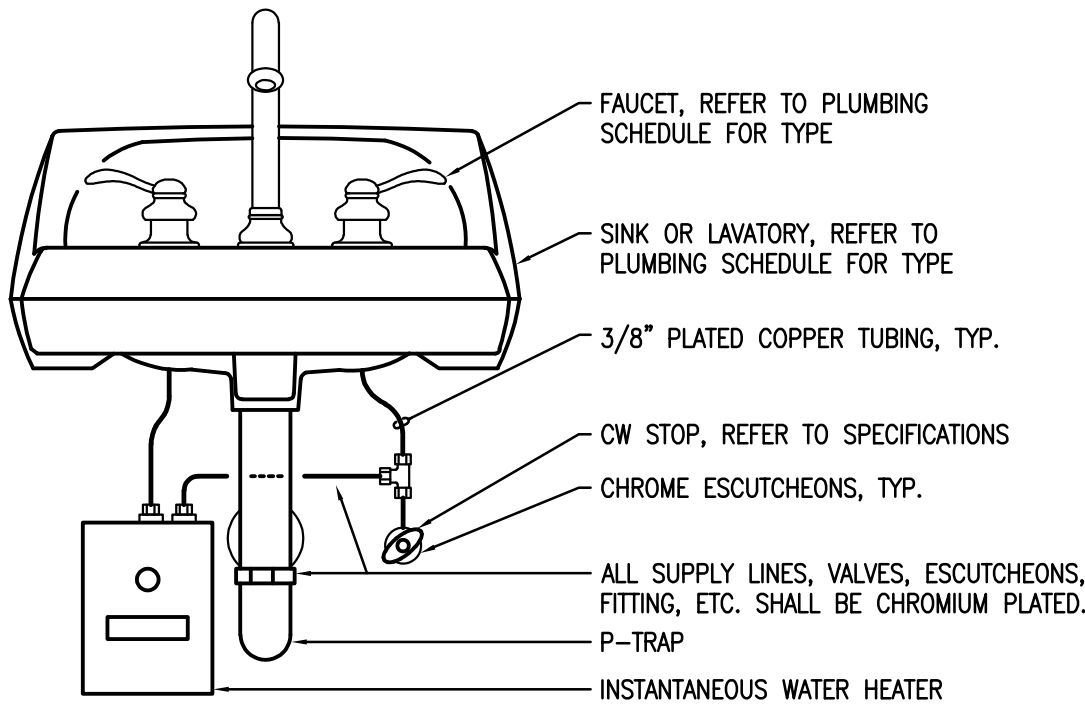


4 DOMESTIC WATER RPZ DETAIL
SCALE: NONE

PLUMBING FIXTURE ROUGH-IN SCHEDULE / SPECIFICATIONS									
DESIGNATION	DESCRIPTION	SAN.	VENT	C.W.	H.W.	MOUNTING	REFERENCE PRODUCT	COMMENTS	
L-1	ADA LAVATORY	2"	1-1/2"	1/2"	1/2"	WALL	AMERICAN STANDARD 0355.012 "LUCERNE", WALL MOUNT, WHITE VITREOUS CHINA, W/ CHROME WHEELCHAIR P-TRAP, GRID DRAIN, MCGUIRE 2165 SUPPLIES. DELTA 501-LF-WF LEAD FREE COMPLIANT SINGLE LEVER CHROME PLATED CAST BRASS FAUCET WITH COPPER CONNECTORS AND VANDAL RESISTANT AERATOR. INSTALL WITH WATTS LFUSG-B THERMOSTATIC VALVE.	SHIELD DRAIN AND SUPPLY PIPING WITH TRUBRO LAV. GUARD OR EQUAL IN EXPOSED LOCATIONS. MOUNT TO ADA REQUIREMENTS, MAX. RIM HEIGHT 34" A.F.F. PROVIDE WALL CARRIER.	
L-2	ADA LAVATORY	2"	1-1/2"	1/2"	1/2"	COUNTER	AMERICAN STANDARD 0476.028 "AQUALYN", OVAL, COUNTER MOUNT, WHITE VITREOUS CHINA, SELF-RIMMING, W/ CHROME WHEELCHAIR P-TRAP, AND MCGUIRE 2165 SUPPLIES. DELTA 501-LF-WF LEAD FREE COMPLIANT SINGLE LEVER CHROME PLATED CAST BRASS FAUCET WITH COPPER CONNECTORS AND VANDAL RESISTANT AERATOR. INSTALL WITH WATTS LFUSG-B THERMOSTATIC VALVE.	SHIELD DRAIN AND SUPPLY PIPING WITH TRUBRO LAV. GUARD OR EQUAL IN EXPOSED LOCATIONS. MOUNT TO ADA REQUIREMENTS IN ARCHITECTURAL COUNTERTOP.	
WC-1	WATER CLOSET	4"	2"	1/2"	---	FLOOR	AMERICAN STANDARD 2462.016 "CADET", TANK TYPE TOILET, ELONGATED BOWL, FLOOR MOUNT, WHITE VITREOUS CHINA, BOLT CAPS, PRESSURE-ASSISTED SIPHON JET FLUSH SYSTEM, 1.6 GPF MAX. MCGUIRE 2166 SUPPLIES.	MIN. RIM HEIGHT 15" AFF. BEMIS 2155SSCT WHITE ELONGATED ANTI-MICROBIAL SEAT, WITH SELF-SUSTAINING CHECK HINGE, SS POSTS AND PINTLES, AND STA-TITE COMMERCIAL FASTENING SYSTEM.	
WC-2	ADA WATER CLOSET	4"	2"	1/2"	---	FLOOR	AMERICAN STANDARD 2467.016 "CADET", TANK TYPE TOILET, ELONGATED BOWL, FLOOR MOUNT, WHITE VITREOUS CHINA, BOLT CAPS, PRESSURE-ASSISTED SIPHON JET FLUSH SYSTEM, 1.6 GPF MAX. MCGUIRE 2166 SUPPLIES.	MOUNT TO ADA REQUIREMENTS, MIN. RIM HEIGHT 16-1/2" AFF. BEMIS 2155SSCT WHITE ELONGATED ANTI-MICROBIAL SEAT, WITH SELF-SUSTAINING CHECK HINGE, SS POSTS AND PINTLES, AND STA-TITE COMMERCIAL FASTENING SYSTEM.	
WC-3	WATER CLOSET	4"	2"	1"	---	FLOOR	AMERICAN STANDARD 2234.001 "MADERA", ELONGATED BOWL, FLOOR MOUNT, WHITE VITREOUS CHINA, SIPHON JET, TOP SPUD, BOLT CAPS. SLOAN ROYAL FLUSH VALVE, 1.6 GPF MAX.	MIN. RIM HEIGHT 15" AFF. BEMIS 2155SSCT WHITE ELONGATED ANTI-MICROBIAL SEAT, WITH SELF-SUSTAINING CHECK HINGE, SS POSTS AND PINTLES, AND STA-TITE COMMERCIAL FASTENING SYSTEM.	
WC-4	ADA WATER CLOSET	4"	2"	1"	---	FLOOR	AMERICAN STANDARD 3043.001 "MADERA", ELONGATED BOWL, FLOOR MOUNT, WHITE VITREOUS CHINA, SIPHON JET, TOP SPUD, BOLT CAPS. SLOAN ROYAL FLUSH VALVE, 1.6 GPF MAX.	MOUNT TO ADA REQUIREMENTS, MIN. RIM HEIGHT 17" AFF. BEMIS 2155SSCT WHITE ELONGATED ANTI-MICROBIAL SEAT, WITH SELF-SUSTAINING CHECK HINGE, SS POSTS AND PINTLES, AND STA-TITE COMMERCIAL FASTENING SYSTEM.	
U-1	ADA URINAL	2"	2"	3/4"	---	WALL	AMERICAN STANDARD 6601.012 "LYNBROOK", WALL MOUNT, WHITE VITREOUS CHINA, 1 1/4" TOP SPUD, BLOWOUT FLUSH ACTION, PRIVACY SHIELDS, WALL HANGERS. SLOAN REGAL FLUSH VALVE, 1 GPF MAX.	MOUNT TO ADA REQUIREMENTS, MAX. RIM HEIGHT 17" AFF.	
SS-1	JANITOR'S SINK	3"	2"	3/4"	3/4"	FLOOR	ACORN TNC-24-SH-SSC, 24"x24"x12", WITH STAINLESS STEEL CAP, CAST BRASS DRAIN BODY, STAINLESS STEEL STRAINER, AND LINT BASKET. CHICAGO FAUCETS 445-897SRXKCCP WALL MOUNTED 3 3/8" BODY, ADJUSTABLE ARMS 3" - 8 3/8" HOT AND COLD WATER SINK FAUCET, CHROME PLATED SOLID BRASS CONSTRUCTION. RIGID SPOUT AND MALE HOSE THREAD, PAIL HOOK, AND WALL BRACE. LEVER HANDLES, CERAMIC CARTRIDGE WITH INTEGRATED CHECK VALVE 1/4 TURN OPERATING CARTRIDGES, AND ATMOSPHERIC VACUUM BREAKER.	PROVIDE WITH STAINLESS STEEL SPLASH PANELS. PROVIDE WITH FIAT 30" FLEX HOSE AND HOSE HOOK. PROVIDE WITH MOP HANGER W/ 3 RUBBER GRIPS.	
S-1	ADA DOUBLE COMPARTMENT SINK	2"	2"	1/2"	1/2"	COUNTER	ELKAY LRAD-3321, 13-1/2"x16"x6 1/2"D BOWLS, 18 GA. STAINLESS STEEL, REAR OFFSET OUTLETS, CHROME P-TRAPS, MCGUIRE 2165 SUPPLIES. DELTA MODEL 100LF-HDF SINGLE LEVER FAUCET W/ 8" SWING SPOUT. INSTALL WITH WATTS LFUSG-B THERMOSTATIC VALVE.	SHIELD DRAIN AND SUPPLY PIPING WITH TRUBRO LAV. GUARD OR EQUAL IN EXPOSED LOCATIONS. MOUNT TO ADA REQUIREMENTS IN ARCH. COUNTERTOP, MAX. RIM HEIGHT 34" A.F.F.	
WH-1	ELECTRIC WATER HEATER	---	---	3/4"	3/4"	SUSPENDED	A.O. SMITH MODEL DEL-20, 20 GALLON, (1) 4.5 KW ELECTRIC ELEMENT, 208 VOLT / 1Ø. 23 GPH RECOVERY AT 80°F RISE. ROUTE FULL SIZE T&P DISCHARGE TO JAN. SINK / DRAIN.	MOUNT SUSPENDED ON WALL MOUNTED SHELF W/ HEAVY DUTY BRACKETS. MOUNT AS HIGH AS POSSIBLE FOR CLEARANCE. PROVIDE CATCH PAN. ROUTE CATCH PAN DRAIN FULL SIZE (3/4" MINIMUM) TO JAN. SINK / DRAIN.	
WH-2	ELECTRIC WATER HEATER	---	---	1/2"	1/2"	BELOW COUNTER	EEMAX SPEX4208T INSTANTANEOUS WATER HEATER, 208 V / 1 PHASE, 4.1 KW, 20 AMPS.	INSTALL IN BASE CABINET. PROVIDE WITH 0.5 GPM AERATOR FOR FAUCET SERVED.	
HWCP-1	HOT WATER CIRCULATOR PUMP	---	---	---	3/4"	SUSPENDED	TACO MODEL 007-SF5 CIRCULATING PUMP, STAINLESS STEEL VOLUTE, 120V, 1/25 HP, 3/4" FLANGED CONNECTIONS. 1 GPM AT 4 FEET HEAD.	INSTALL VERTICALLY IN PIPING RISER. PROVIDE ISOLATION VALVES, PLUG SET, TIMER, AND AQUASTAT PACKAGE.	
RPZ-1	REDUCED PRESSURE BACKFLOW PREVENTER	---	---	2"	---	EXTERIOR	WATTS MODEL LF919 LEAD FREE REDUCED PRESSURE BACKFLOW PREVENTER, 2" SIZE. PROVIDE INLET STRAINER, ISOLATION BALL VALVES, AND 4 TEST PORTS.	MOUNT MINIMUM 18" AFG. PROVIDED INSULATED ENCLOSURE, LOK-BOX MODEL LB2T OR EQUAL, WITH FIBERGLASS HINGED TOP AND LOCKABLE HASP ON 4" CONCRETE SLAB. ROUTE FULL SIZE DISCHARGE THRU AIR GAP FITTING TO SAFE DISCHARGE.	
RPZ-2	REDUCED PRESSURE BACKFLOW PREVENTER	---	---	1-1/4"	---	EXTERIOR	WATTS MODEL LF919 LEAD FREE REDUCED PRESSURE BACKFLOW PREVENTER, 1-1/4" SIZE. PROVIDE INLET STRAINER, ISOLATION BALL VALVES, AND 4 TEST PORTS.	MOUNT MINIMUM 18" AFG. PROVIDED INSULATED ENCLOSURE, LOK-BOX MODEL LB2T OR EQUAL, WITH FIBERGLASS HINGED TOP AND LOCKABLE HASP ON 4" CONCRETE SLAB. ROUTE FULL SIZE DISCHARGE THRU AIR GAP FITTING TO SAFE DISCHARGE.	
FPWH	FREEZE PROOF WALL HYDRANT	---	---	3/4"	---	EXTERIOR	WOODFORD MODEL 67 BACKFLOW PROTECTED WALL HYDRANT, EXPOSED, NON-FREEZE, AUTO. DRAINING, ANTI-SIPHON. ALL BRONZE INTERNALS WITH CHROME PLATED FACE AND LOOSE KEVED OPERATOR.	COORDINATE INSTALLATION WALL THICKNESS PRIOR TO ORDERING. PROVIDE SHUT-OFF VALVE IN SUPPLY LINE TO HYDRANT.	
FD-1	FLOOR DRAIN	2"	2"	---	---	FLOOR	PROSET MODEL T25630-F-P FLOOR DRAIN, 2" OUTLET, 5" DIAMETER NICKEL BRONZE TOP, WITH INTEGRAL TRAP GUARD, AND ADJ. COLLAR.	PROVIDE WITH DEEP SEAL TRAP AND TRAP GUARD.	



5 ELECTRIC WATER HEATER DETAIL
SCALE: NONE



NOTE: WHERE REQUIRED BY LOCAL CODE INSTALL PRESSURE TEMPERATURE RELIEF AND PIPE TO HUB OR FLOOR DRAIN

6 INSTANTANEOUS WATER HEATER DETAIL
SCALE: NONE

No.	Description	Date



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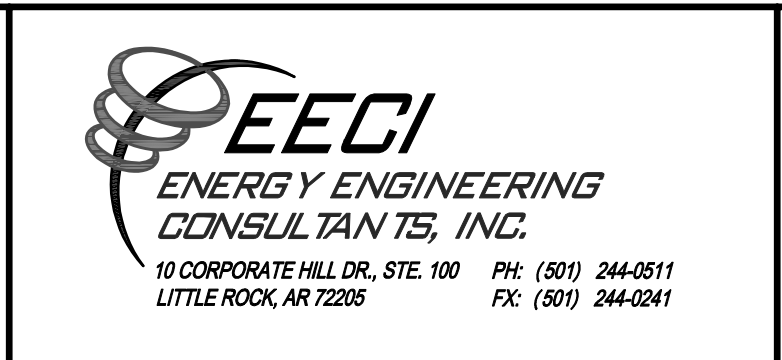


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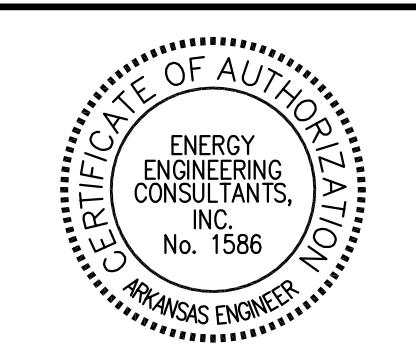
SHEET TITLE:
PROJECT TITLE:
AGENCY
PROJECT #:
LOCATION:

PLUMBING DETAILS & SCHEDULE
Campus Renovation for OSKI

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SHEET #	P2.1
Project #	26-19
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