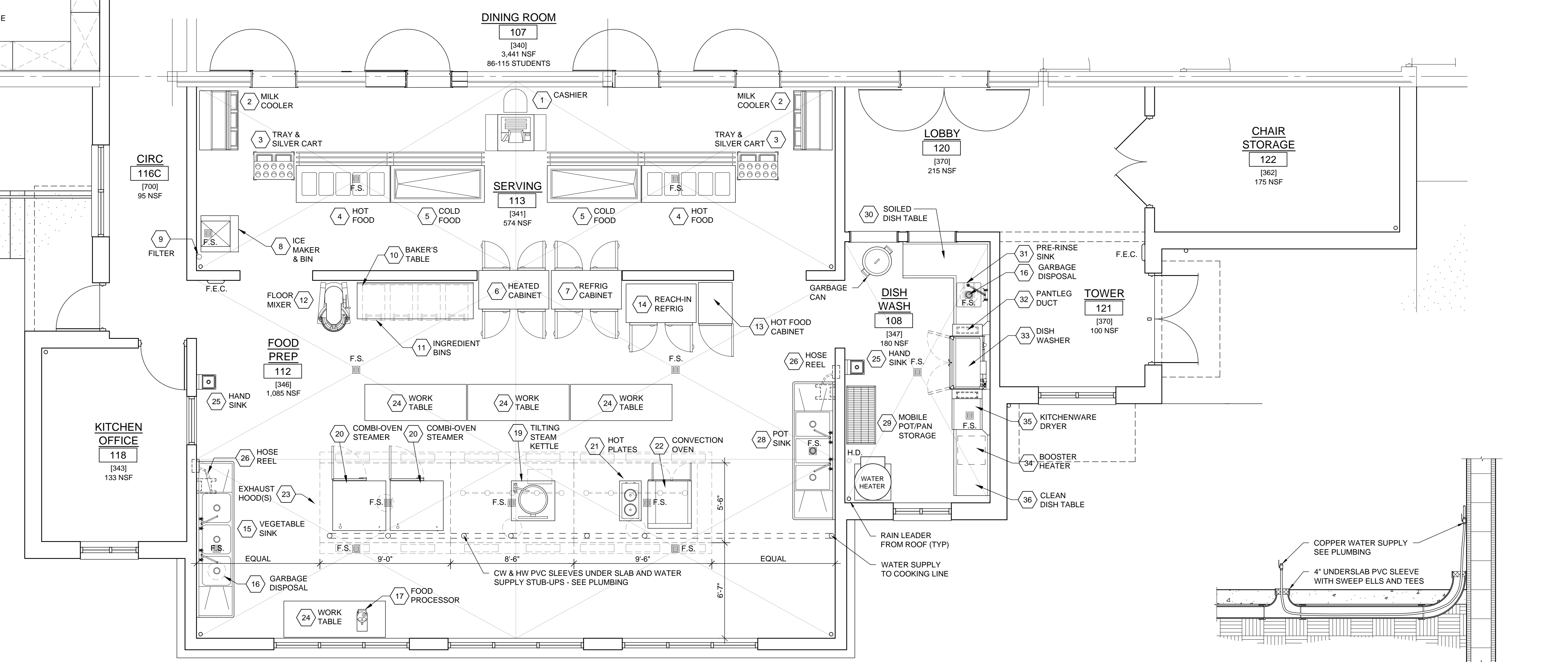


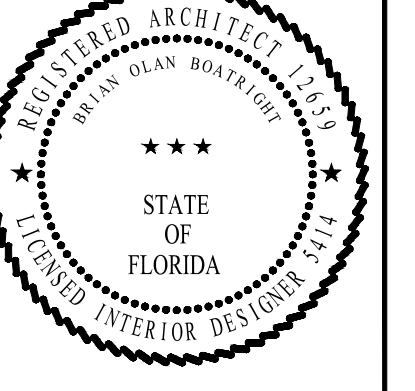
DIS KITCHEN EQUIPMENT SCHEDULE																							
NO	EQUIPMENT NAME	STATION	QTY	MANUFACTURER	MODEL NUMBER	SIZE	ELECTRICAL				HVAC		PLUMBING			ACCESSORIES	DESCRIPTION	REUSE EXISTING	FURN BY	INSTALL BY	CONNECT BY		
							POWER V/Hz/Ph	HP	KW	AMP	BTUH	CFM	CW	HW	SAN							INDR	
1	CASHIER STAND UNIT	SERVING	1	ATLAS METAL	BLM-BU	22"W x 30.5"D x 35"H	120/60/1									LEFT & RIGHT SLIDES		CONTR	CONTR	CONTR			
2	MILK COOLER	SERVING	2	TRAUALSEN	RMC4956	49" W x 32" D x 48" H	115/60/1	7.2	7.2	1,945						SINGLE ACCESS MODEL	YES	OWNER	OWNER	OWNER			
3	TRAY & SILVER CART	SERVING	0	ATLAS METAL	TC-2-S	33"W x 22.5"D x 42"H																	
4	HOT FOOD SERVING UNIT	SERVING	2	ATLAS METAL	BLH-5	77.5"W x 30.5"D x 35"H	208/60/1		5.0	24.0								CONTR	CONTR	CONTR			
5	COLD FOOD (SALAD)	SERVING	2	ATLAS METAL	BLC-5-RM	77.5"W x 30.5"D x 35"H	120/60/1	1.5		10.7			3/4"	Y		3000 W MODEL		CONTR	CONTR	CONTR			
6	PASS-THRU HEATED CABINET	SERVING	1	TRAUALSEN	RHF232WP-FHS	58"W x 27"D x 83.25"H	208/60/1		3	15.5								CONTR	CONTR	CONTR			
7	PASS-THRU REFRIG CABINET	SERVING	1	TRAUALSEN	RHT232WP-FHS	58"W x 27"D x 83.25"H	115/60/1		3	8.6								CONTR	CONTR	CONTR			
8	ICE MACHINE W/BIN	SERVING	1	ICE-O-MATIC	GEM0450A	21" W x 24" D x 27" H	120/60/1		5.31	16	5,600		3/8"	3/4"	Y	B55PS, KBT19, 9324-01		CONTR	CONTR	CONTR			
9	FILTRATION UNIT FOR ICE MACHINE	SERVING	1	CuZn	UC-200	15.5" H x 4" DIA							3/8"			WALL MOUNT		CONTR	CONTR	CONTR			
10	BAKER'S WORK TABLE	BAKER	1	EAGLE GROUP	UT30965TEB	96"W x 30"D x 35"H										1.5 GPM FLOW RATE		CONTR	CONTR	CONTR			
11	INGREDIENT BINS	BAKER	0													S/S WELDED, REAR UPTURN		CONTR	CONTR	CONTR			
12	MIXER	BAKER	1	HOBART	HL-600	29"W x 48"D x 62"H	240/60/3	2.7		10						STD ACCESSORY PACKAGE		CONTR	CONTR	CONTR			
13	HOT FOOD CABINET	BAKER	1	ALTO-SHAAM	1200-UP	27"W x 32"D x 76"H	208/60/3		1.9	16								CONTR	CONTR	CONTR			
14	REACH-IN REFRIGERATOR	BAKER	1	TRAUALSEN	RHT232WUT-FHS	58"W x 27"D x 83.25"H	115/60/1		3	15.5								CONTR	CONTR	CONTR			
15	VEGETABLE SINK (3-COMPARTMENT)	VEG PREP	1	AMTEKCO	C-3-2424-24D	120"W x 24"D x 41"H						(2) 1/2"	(2) 1/2"	2"	Y	L/R DRAIN BOARDS	T&S FAUCET B-0133-01		CONTR	CONTR	CONTR		
16	DISPOSAL	VEG PREP	2	HOBART	FD4/300	15"W x 15"D x 34"H	208/60/3	3		9.9-9.0/4.5								CONTR	CONTR	CONTR			
17	FOOD PROCESSOR	VEG PREP	1	BERKEL	M3000	18.25"W x 8.5"D x 23.25"H	115/60/1	3/4		10.8						BLADES, STORAGE RACK		CONTR	CONTR	CONTR			
18	TILTING STEAM JACKETED KETTLE (SLAVED)	COOK LINE	0	MARKET FORGE	MT-40	36"W x 33"D x 38"H	208/60/3		40W			3/8"	3/8"	2"	Y		SLAVED TO ITEM 19		CONTR	CONTR	CONTR		
19	TILTING STEAM JACKETED KETTLE (SELF-CONT)	COOK LINE	1	MARKET FORGE	MT-40EO	36"W x 33"D x 38"H	208/60/3		24	66.6		3/8"	3/8"	2"	Y			CONTR	CONTR	CONTR			
20	COMBI-OVEN STEAMER	COOK LINE	2	ALTO-SHAAM	CTD10-20E	44"W x 46.5"D x 46"H	208/60/3		73	80		(2) 3/4"		1.5"	Y	STAND 5015711	2 TOTAL BE USE 1 PROVIDE 2ND	YES	CONTR	CONTR	CONTR		
21	TWO BURNER HOT PLATE	COOK LINE	1	VULCAN	EV12-2FP208	12"W x 34"D x 37"H	208/60/3		4	27	17.75 MBTUH							CONTR	CONTR	CONTR			
22	CONVECTION OVEN	COOK LINE	1	ALTO-SHAAM	ASC-4E	38"W x 44.5"D x 57.5"H	208/60/3	3/4	10.4	28.8								CONTR	CONTR	CONTR			
23	EXHAUST HOOD	COOK LINE	1	CAPTIVEAIRE	- CUSTOM -	26"0" W x 5"0" D x 24" H	120/60/1			15								ANSUL SYSTEM	POWER FOR LIGHTS	YES	OWNER	OWNER	OWNER
24	WORK TABLE	FOOD PREP	4	EAGLE GROUP	T30845EB	84"W x 30"D x 35"H							1/2"	1/2"	1.5"			CONTR	CONTR	CONTR			
25	HAND SINK	FOOD PREP	2	EAGLE GROUP	HSA-10-FDP	19.25" W x 14.75" D x 28.25" H							3/8"	3/8"	2"	Y			CONTR	CONTR	CONTR		
26	HOSE REEL	FOOD PREP	2	T&S BRASS	B-1433-01	12" W x 20" D x 64" H							3/8"	3/8"			MV-2522-24 WATER GUN		CONTR	CONTR	CONTR		
27	OVERHEAD CORD REEL	FOOD PREP	0																				
28	POT SINK (3-COMPARTMENT)	DISH WASH	1	AMTEKCO	C-3-2430-30D	132"W x 30"D x 34"H							1/2"	1/2"	2"	Y	L/R DRAIN BOARDS	T&S FAUCET B-0133-01		CONTR	CONTR	CONTR	
29	MOBILE POT/PAN STORAGE	DISH WASH	1	METRO	2448GX2 x 74PX	48" W x 24" D x 74" H													CONTR	CONTR	CONTR		
30	SOILED DISH TABLE	DISH WASH	1	LOW TEMP	- CUSTOM -	- SEE PLANS -													CONTR	CONTR	CONTR		
31	PRE-RINSE SINK	DISH WASH	1	LOW TEMP	- SEE ITEM 30 -	20" W x 20" D x 5" H							1/2"	1/2"	2"	Y	PASS-THRU SILLS	S/S WELDED	YES	OWNER	OWNER	OWNER	
32	PAINT LEG DUCT	DISH WASH	1	LOW TEMP	- CUSTOM -	- SEE PLANS -													CONTR	CONTR	CONTR		
33	DISHWASHER	DISH WASH	1	HOBART	CLP566N-BAS	65.5" W x 31" D x 68.5" H	208/60/3	2.2	52	145			400 EA LEG		2"	Y	30 KW BOOSTER HEATER	ELECTRIC, POWER SCRAPER		CONTR	CONTR	CONTR	
34	BOOSTER HEATER	DISH WASH	0										200-400	3/4"					CONTR	CONTR	CONTR		
35	KITCHENWARE DRYER	DISH WASH	1	HOBART	F4025	33.25" W x 25" D x 83" H	208/60/3	2	10	34.2			200-400				SEE ITEM 33		YES	OWNER	OWNER	OWNER	
36	CLEAN DISH TABLE	DISH WASH	1	LOW TEMP	- CUSTOM -	- SEE PLANS -													CONTR	CONTR	CONTR		
37	WALK-IN COOLER LIGHTS	COLD STORAGE	1	THERMO-KOOL	- CUSTOM -	- SEE PLANS -	120/60/1			15									CONTR	CONTR	CONTR		
38	WALK-IN COOLER EVAPORATOR	COLD STORAGE	1	THERMO-KOOL	- CUSTOM -	- SEE PLANS -	120/60/1			3.6				3/4"	Y				CONTR	CONTR	CONTR		
39	WALK-IN COOLER COMPRESSOR	COLD STORAGE	1	THERMO-KOOL	- CUSTOM -	- SEE PLANS -	208/60/3	1		5.8									CONTR	CONTR	CONTR		
40	WALK-IN FREEZER	COLD STORAGE	0	THERMO-KOOL	- CUSTOM -	- SEE PLANS -													CONTR	CONTR	CONTR		
41	DUNNAGE RACK	COLD STORAGE	7	NEW AGE	2015	48" W x 24" D x 8" H													CONTR	CONTR	CONTR		
42	DRY STORAGE SHELVES	DRY STORAGE	10	METRO	2448NK3	48" W x 24" D x 74.5" H													CONTR	CONTR	CONTR		



1 KITCHEN EQUIPMENT PLAN
1/4" = 1'-0"

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

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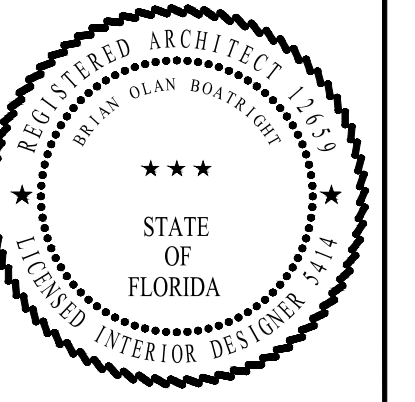
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EXPANSION OF
DOCTORS INLET ELEMENTARY CAFETERIA
2634 C.R. 220, MIDDLEBURG, FL 32068

REVISIONS		
NO	DATE	COMMENT
1	9-16-19	ADD 1
2	9-28-19	ADD 2

JOB NO. 182000
DATE 9-12-19
DRAWN BY BOB
CHECKED BY BOB

A2.8



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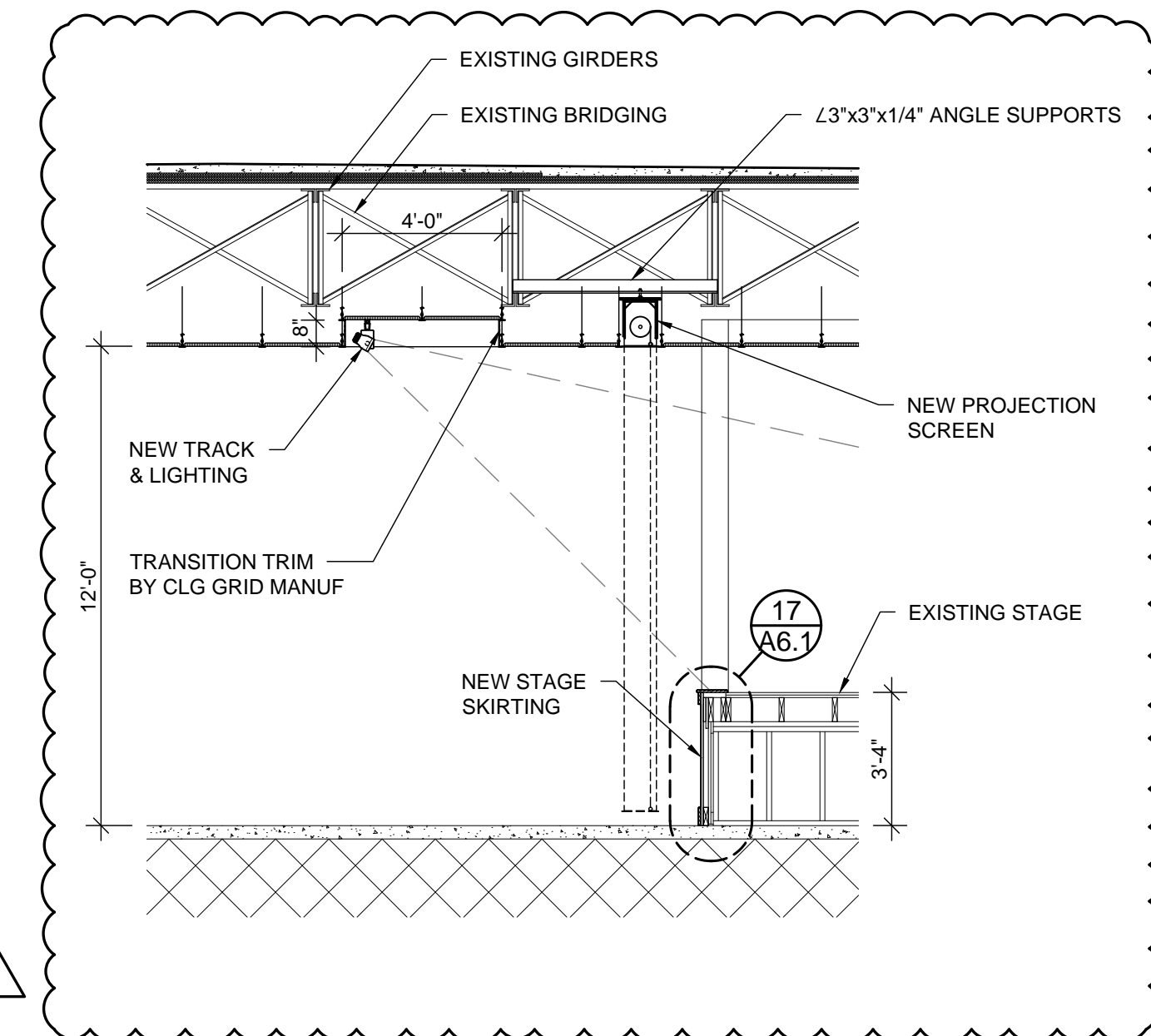
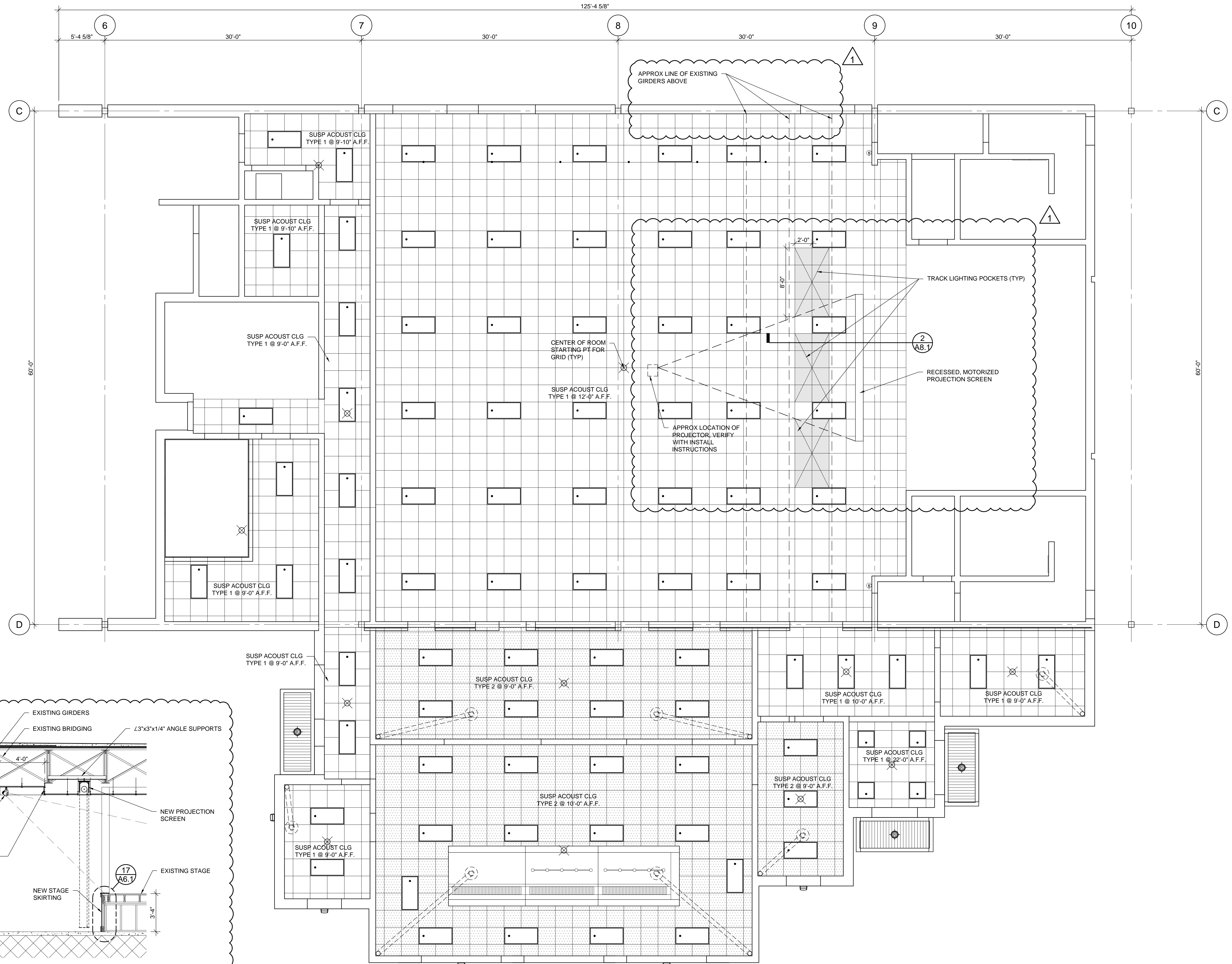
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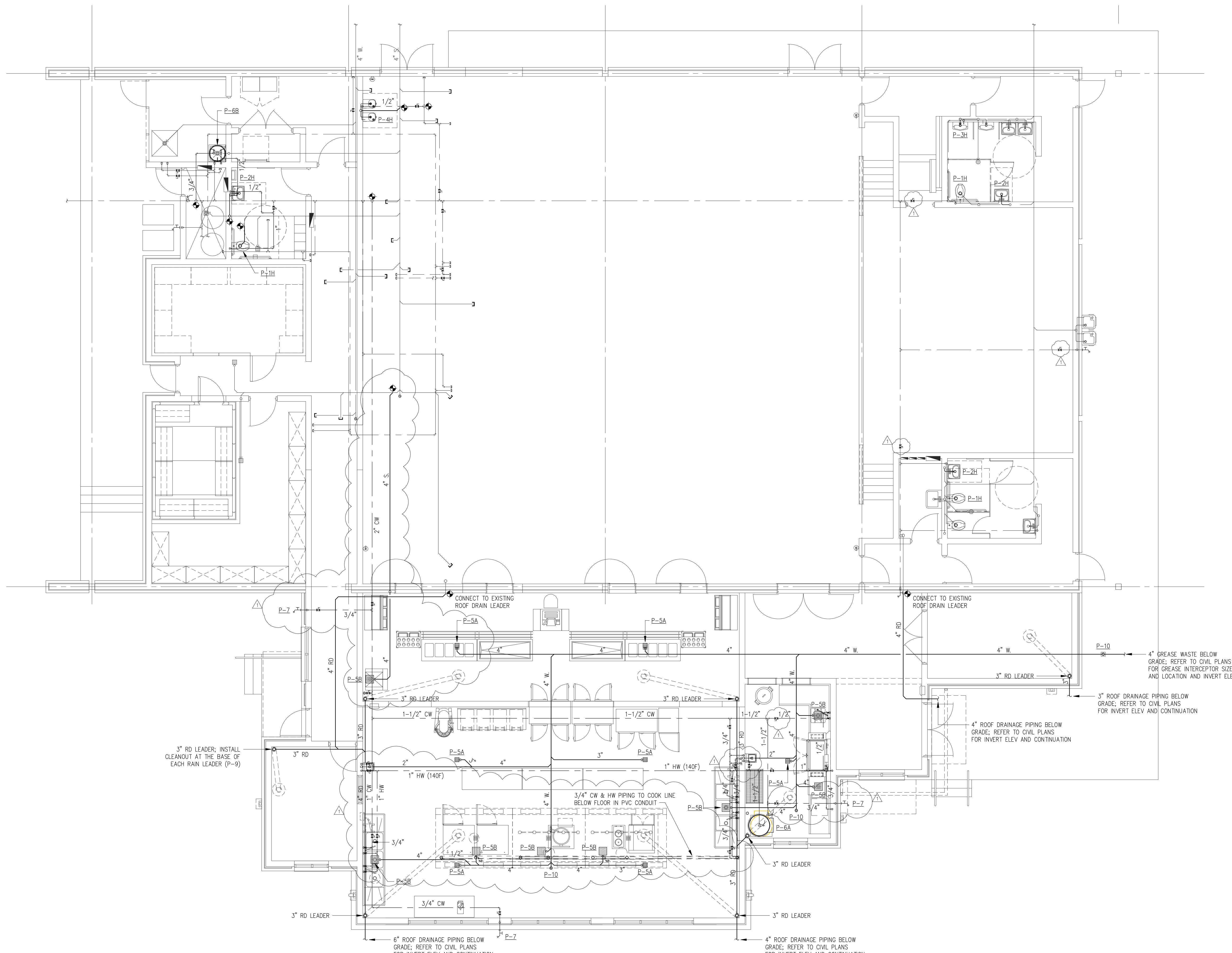
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A8.1



1 REFLECTED CEILING PLAN - OVERALL
 3/16" = 1'-0"

THIS DRAWING IS INTENDED TO BE PRINTED AT 24" X 36"



3" RD LEADER; INSTALL CLEANOUT AT THE BASE OF EACH RAIN LEADER (P-9)

CONNECT TO EXISTING ROOF DRAIN LEADER

CONNECT TO EXISTING ROOF DRAIN LEADER

4" GREASE WASTE BELOW GRADE; REFER TO CIVIL PLANS FOR GREASE INTERCEPTOR SIZE AND LOCATION AND INVERT ELEV.

3" ROOF DRAINAGE PIPING BELOW GRADE; REFER TO CIVIL PLANS FOR INVERT ELEV AND CONTINUATION

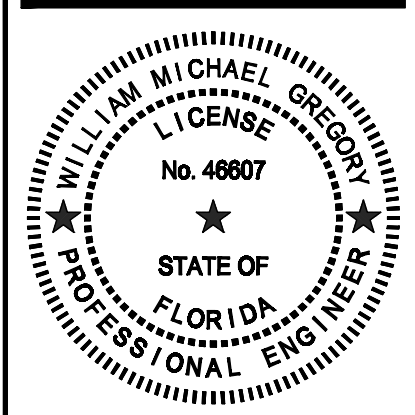
4" ROOF DRAINAGE PIPING BELOW GRADE; REFER TO CIVIL PLANS FOR INVERT ELEV AND CONTINUATION

3/4" CW & HW PIPING TO COOK LINE BELOW FLOOR IN PVC CONDUIT

6" ROOF DRAINAGE PIPING BELOW GRADE; REFER TO CIVIL PLANS FOR INVERT ELEV AND CONTINUATION

4" ROOF DRAINAGE PIPING BELOW GRADE; REFER TO CIVIL PLANS FOR INVERT ELEV AND CONTINUATION

1 PLUMBING FLOOR PLAN
 P1.2 SCALE: 3/16" = 1'-0"



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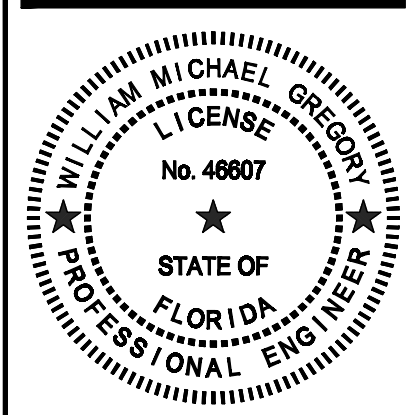
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P1.2



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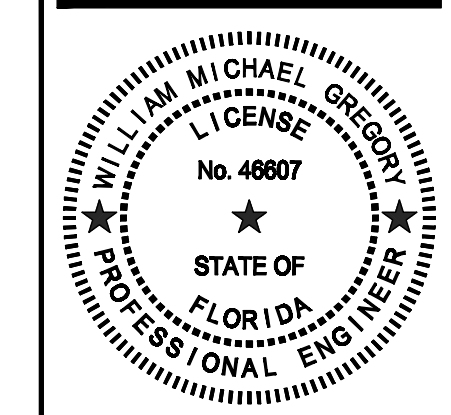
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PLUMBING FIXTURE SCHEDULE							
MARK	MANUFACTURER	MODEL #	FIXTURE DESCRIPTION	CONNECTION SCHEDULE			
				WASTE	VENT	CW	HW
P-1H	AMERICAN STANDARD	"MADERA" 3043.001	16-1/2" HIGH VITREOUS CHINA WATER CLOSET W/ ELONGATED BOWL (HANDICAP) FLUSH VALVE - AMERICAN STANDARD 6047.161.002 (1.6 GPF) SEAT (NO LID) - CHURCH MODEL 9500-SSC LOCATE FLUSH CONTROL ON WIDE SIDE OF STALL	3"	2"	1"	--
P-2H	AMERICAN STANDARD	"LUCERNE" 0355.012	VITREOUS CHINA WALL-HUNG LAVATORY (ADA) ADA FAUCET - DELTA 701-HDF SINGLE-LEVER METERING FAUCET TRAP - 1 1/4" CAST BRASS WITH C.O. PLUG FURNISH/INSTALL SUITABLE CONCEALED-ARM FIXTURE CARRIER PROVIDE OFFSET TAILPIECE INSULATE TRAP OUTLET & HW SUPPLY TO MEET ADA FURNISH/INSTALL ASSE-1070 THERMOSTATIC MIXING VALVE FOR EACH FAUCET	2"	1 1/4"	1/2"	1/2"
P-3H	AMERICAN STANDARD	"ALLBROOK" 6550.001	WALL-HUNG, VITREOUS CHINA, FLUSH VALVE URINAL (ADA) FLUSH VALVE - AMERICAN STANDARD 6045.051.002 (0.5 GPF) MOUNT TOP OF FRONT RIM AT 17" A.F.F. TO MEET ADA PROVIDE SUITABLE FIXTURE CARRIER	2"	1-1/2"	3/4"	--
P-4H	ELKAY	LZWS-EDFP217K	DUAL-BASIN FILTERED DRINKING FOUNTAIN (ADA) WITH BOTTLE FILLER 120V (INDOOR USE)	2"	1 1/4"	1/2"	--
P-5A	ZURN	Z115S	FLOOR DRAIN W/ SQUARE NICKALOY STRAINER TOP PROVIDE 1/2" AUXILIARY INLET FITTING FOR TRAP PRIMER CONNECTION	4"	2"	--	--
P-5B	ZURN	Z1901	FLOOR SINK - 12" X 12" X 8" DEEP SUMR, 4" OUTLET FURNISH 3/4 GRATE TOP	4"	2"	--	--
P-6A	A.O. SMITH	DRE-120-36	119-GALLON COMMERCIAL ELECTRIC WATER HEATER 36.0 KW, 208-3-60, 100 AMPS SET TANK TEMP TO 140F; SET MIXING VALVE TEMP TO 110F	--	--	1-1/2"	1-1/2"
P-6B	A.O. SMITH	ENL-36	36-GALLON LOW-BOY ELECTRIC WATER HEATER 4.5 KW, 208-1-60, 21.6 AMPS SET TANK TEMP TO 140F; SET MIXING VALVE TEMP TO 110F	--	--	3/4"	3/4"
P-7	ZURN	Z1321	FROST-PROOF, ANTI-SIPHON WALL HYDRANT	--	--	3/4"	--
P-8	ZURN	Z1700 SERIES	WATER HAMMER ARRESTOR. SIZE PER P.D.I. WH-201 VERIFY THAT COMPONENT IS ACCESSIBLE.	--	--	--	--
P-9	ZURN	Z1446	WALL CLEANOUT - PROVIDE SCREW COVER MATCH SIZE OF PIPE.	3" / 4"	--	--	--
P-10	ZURN	Z1400	FLOOR CLEANOUT - PROVIDE SCREW COVER MATCH SIZE OF PIPE.	--	--	--	--
P-11	ZURN	Z100	ROOF DRAIN WITH CAST IRON BODY LOW SII HOUETTE DOME; MATCH SIZE OF PIPE	--	--	--	--

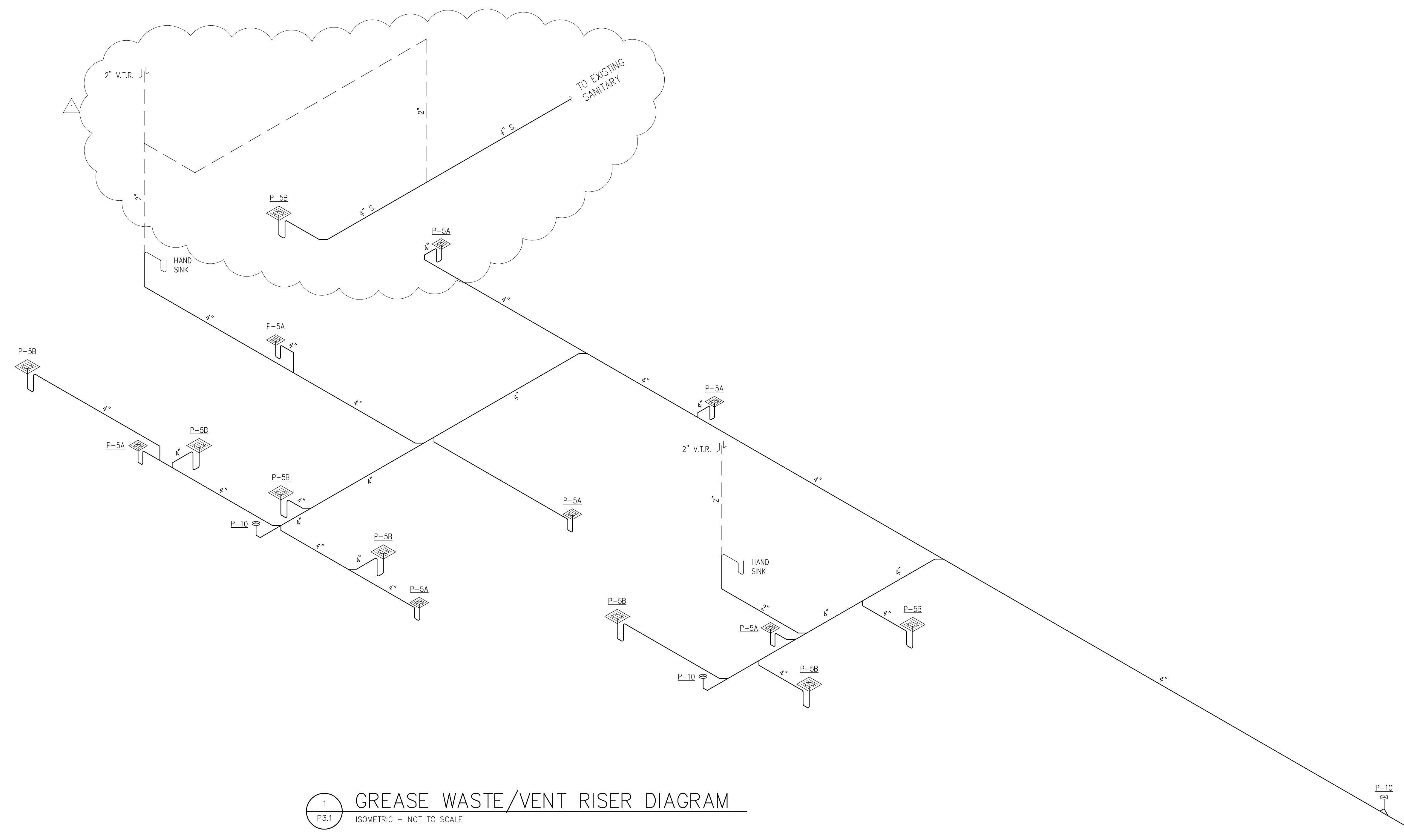


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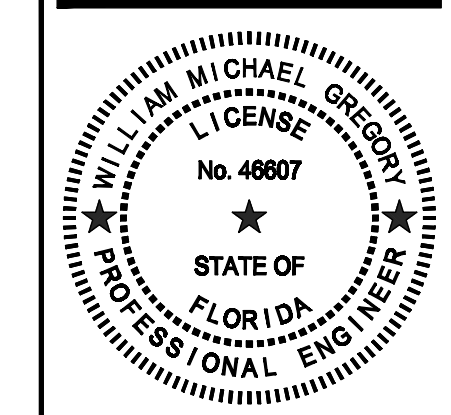
1 GREASE WASTE/VENT RISER DIAGRAM
P3.1 ISOMETRIC - NOT TO SCALE

REVISIONS		
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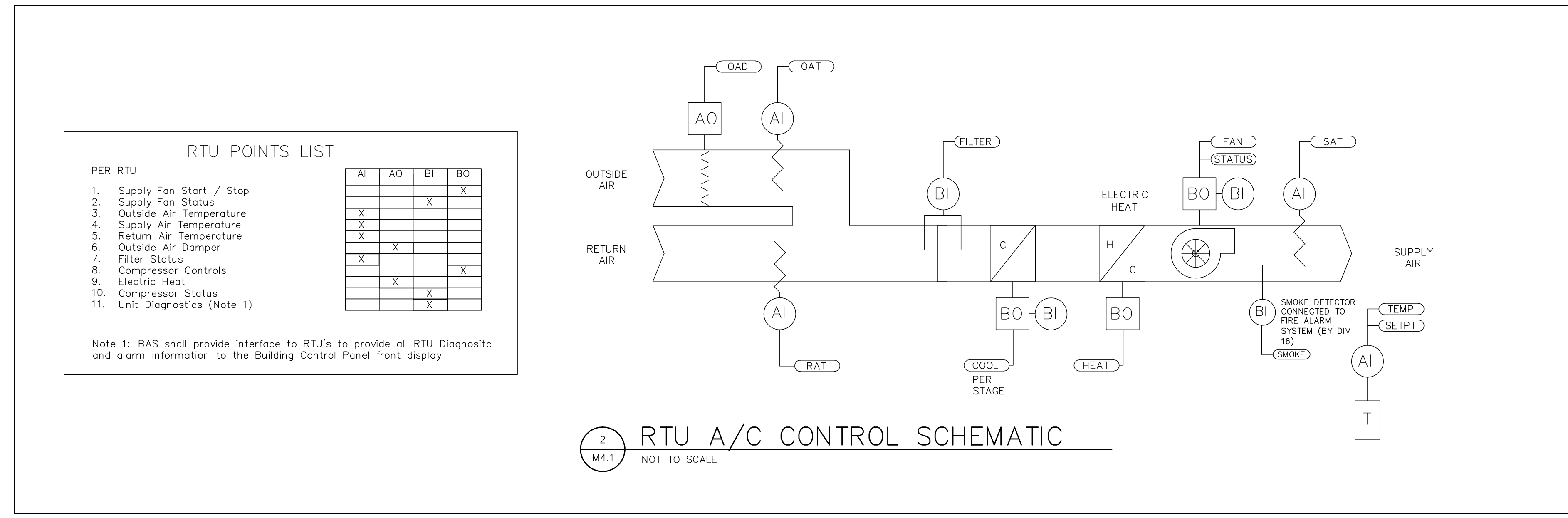
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M4.1



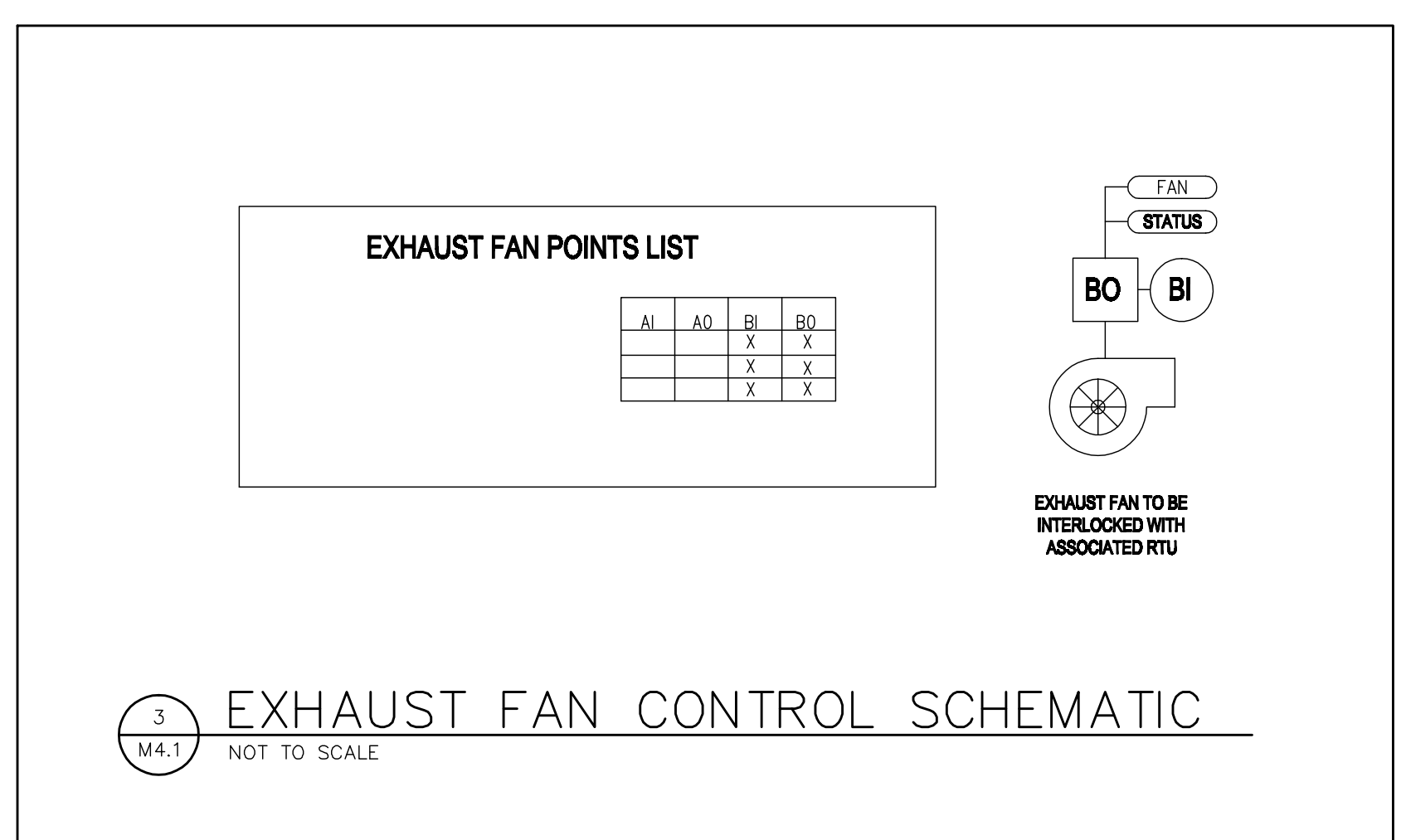
RTU POINTS LIST

PER RTU

	AI	AO	BI	BO
1. Supply Fan Start / Stop			X	X
2. Supply Fan Status			X	X
3. Outside Air Temperature	X			
4. Supply Air Temperature	X			
5. Return Air Temperature	X			
6. Outside Air Damper		X		
7. Filter Status	X			
8. Compressor Controls				X
9. Electric Heat		X		
10. Compressor Status			X	
11. Unit Diagnostics (Note 1)			X	

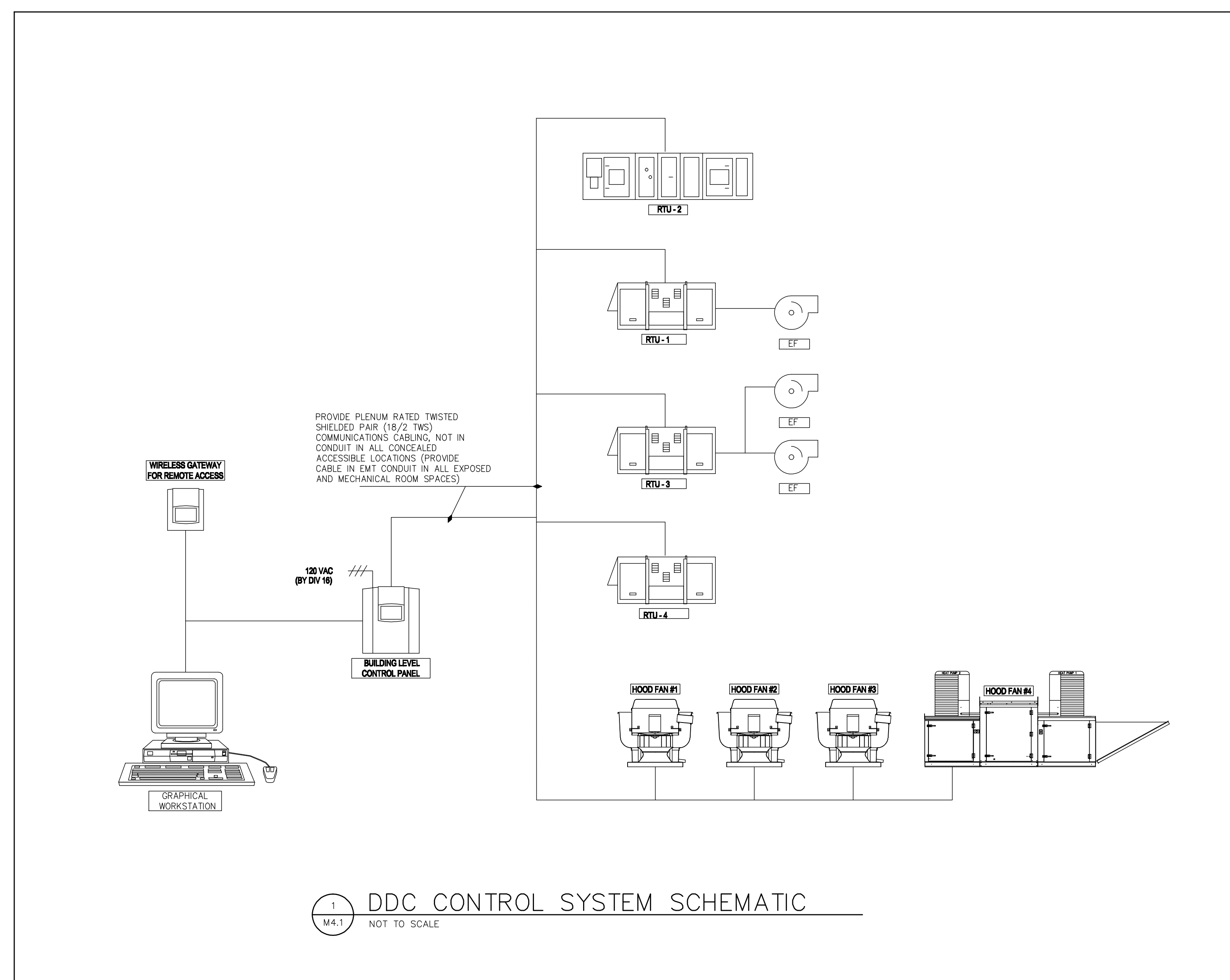
Note 1: BAS shall provide interface to RTU's to provide all RTU Diagnostics and alarm information to the Building Control Panel front display

NOTE:
 EXISTING CAMPUS DDC CONTROL SYSTEM IS KMC;
 FACILITIES PERSONNEL AND MAINTENANCE STAFF
 RECOMMEND NEW DDC CONTROL SYSTEM COMPONENTS
 REQUIRED FOR THIS PROJECT BE KMC TO ENSURE
 FULL AND PROPER COMPATIBILITY.



EXHAUST FAN POINTS LIST

AI	AO	BI	BO
		X	X
		X	X
		X	X



GENERAL NOTES:

- DISCONNECT SWITCHES SHALL BE EQUIPPED WITH NEUTRAL BAR AND EQUIPMENT GROUNDING BAR, PROVIDED BY MANUFACTURER.
- RACEWAY SYSTEM IDENTIFICATIONS: PROVIDE SELF-ADHESIVE VINYL TAPE APPLIED AT INTERVALS NOT TO EXCEED 10 FEET STARTING WITH JUNCTION BOXES OR OUTLET BOXES, NOT MORE THAN 2" FROM A BOX. TAPE SHALL BE 2" WIDE MINIMUM WRAPPED AROUND CONDUIT. COLOR CODE SHALL BE AS FOLLOWS:

1 - FIRE ALARM:	RED
2 - EMERGENCY POWER:	ORANGE
3 - CABLE TV:	BLUE AND YELLOW STRIPES
4 - DATA/TEL.:	GREEN AND YELLOW STRIPES
5 - INTERCOM:	WHITE AND BLACK STRIPES
- JUNCTION BOX IDENTIFICATIONS: PROVIDE SELF-ADHESIVE LABEL, 3/8" HIGH BLACK LETTERS ON WHITE BACKGROUND. ATTACH LABEL ON CEILING MOUNTED JUNCTION BOX TO BE VISIBLE FROM BELOW. LABEL THE FOLLOWING SYSTEMS:

FIRE ALARM
EMERGENCY POWER
CABLE TV
DATA/TEL.
INTERCOM
- POWER JUNCTION BOX IN CEILING SPACE SHALL BE IDENTIFIED WITH CIRCUIT NUMBERS AND PANELBOARD DESIGNATION. PROVIDE PERMANENT NON-ERASABLE LABEL.
- SEE ARCHITECTURAL FURNITURE PLANS FOR EXACT LOCATION OF FLOOR OUTLETS. DO NOT SCALE ELECTRICAL DRAWINGS TO LOCATE FLOOR OUTLETS.
- SEE ARCHITECTURAL CEILING PLAN FOR EXACT LOCATION OF LIGHTING FIXTURES.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR TO PROVIDE ADEQUATE WORKING SPACE IN FRONT OF ALL PANELBOARDS, MOTOR STARTERS AND FUSED DISCONNECT SWITCH. WORKING SPACE SHALL BE CLEAR OF PIPES AND DUCTS. ANY CODE VIOLATION AS A RESULT OF LAG OF COORDINATION SHALL BE RECTIFIED AT NO ADDITIONAL COST TO OWNER.
- PROVIDE LABELS FOR ALL FIRE ALARM BATTERIES AND END-OF-LINE DEVICES.
- ALL UNDERGROUND CONDUITS SHALL BE HAND DUG, NO DIGGING MACHINERY ALLOWED.
- RESTORE DISTURBED WALLS TO ITS ORIGINAL CONDITION. FINISH AND PAINT DAMAGED WALL AREAS. PAINT SHALL MATCH EXISTING.
- PAINT SURFACE MOUNTED CONDUITS SAME COLOR AS SURFACE.
- DRAWINGS SHOW APPROXIMATE LOCATION OF EQUIPMENT, THE EXACT LOCATION SHALL BE DETERMINED AT BUILDING SITE.
- CONTRACTOR SHALL PROVIDE ALL WORK REQUIRED TO PROVIDE COMPLETE CONDUIT SYSTEMS AND RUNS. THIS INCLUDES, BUT IS NOT LIMITED TO, ALL MATERIALS, INSTALLATION HARDWARE, DRILLING OF WALLS/BEAMS, MOUNTING HARDWARE, LABOR, PAINTING, REPAIRING OF EXISTING SURFACES, FIRESTOPPING AND ACCESSORIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY SEALING ALL NEW PENETRATIONS IN FIRE RATED ASSEMBLIES, BOTH VERTICAL AND HORIZONTAL, IN ACCORDANCE WITH SECTION 712 OF THE FLORIDA BUILDING CODE, WHICH REQUIRES THAT ALL INSTALLATIONS OF PENETRATIONS THROUGH FIRE RATED ASSEMBLIES OR FIRE STOP SYSTEMS SHALL BE AS TESTED BY ASTM E 119 & ASTM E 814.
- CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ENGINEER OF ANY ITEMS OF NON-COMPLIANCE WHETHER IT IS THE RESULT OF NEW WORK OR IS AN UNCOVERED EXISTING CONDITION.
- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO COVER AND PROTECT EXISTING ELECTRONICS AND EQUIPMENT DURING CONSTRUCTION.
- CONTRACTOR SHALL INCLUDE IN BASE BID NEEDED MODIFICATIONS TO CREATE PATH FOR NEW RACEWAYS. EXISTING CONDITIONS MAY REQUIRE CONTRACTOR TO OFFSET NEW RACEWAYS OVER EXISTING PIPING IN ORDER TO PROVIDE INDICATED ROUTING, SIDE WALK/PAVEMENT CUTTING AND PATCHING, ETC.
- CONTRACTOR SHALL VISIT SITE PRIOR TO PREPARING HIS BID AND DETERMINE THE EXTENT OF EXISTING EQUIPMENT AND WIRING TO ACCOMMODATE CHANGES AND ADDITIONS. ALL THE NECESSARY REROUTING, RELOCATING AND/OR REMOVAL OF EXISTING EQUIPMENT, WIRING ETC. SHALL BE INCLUDED IN THE SCOPE OF THIS WORK. ANY VARIATION FROM EXISTING CONDITIONS SHALL BE INCLUDED UNDER THIS CONTRACT.
- REPLACE DAMAGED CEILING TILES. NEW CEILING TILES SHALL BE SAME TYPE AND QUALITY OF EXISTING TILES. NEW TILES SHALL COMPLY WITH THE FLAME SPREAD REQUIREMENT OF AN EDUCATIONAL OCCUPANCY AS REQUIRED BY THE FLORIDA BUILDING CODE.
- CONDUITS SHALL BE CONCEALED IN WALLS ABOVE CEILING SPACE OR UNDERGROUND. SURFACE MOUNTED CONDUITS WILL BE PERMITTED ON CONCRETE WALLS OR ON CEILINGS WITH NO CAVITY.
- THE ELECTRICAL CONTRACTOR SHALL MAINTAIN ACCURATE RECORDS OF ANY MODIFICATIONS TO EXISTING SYSTEMS AND SHALL UPON COMPLETION, DELIVER "AS-BUILT" DRAWINGS TO THE OWNER, INDICATING ANY SUCH CHANGES.
- LABEL ALL SPARE CONDUITS ON BOTH ENDS AS TO DESTINATION

FLORIDA ENERGY CODE NOTES:

- C405.6.4 COMPLETION REQUIREMENTS.**
C405.6.4.1 DRAWINGS. WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED TO THE BUILDING OWNER, INCLUDING:
 1. A SINGLE-LINE DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM AND
 2. FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION.
C405.6.4.2 MANUALS. AN OPERATING MANUAL AND MAINTENANCE MANUAL SHALL BE PROVIDED TO THE BUILDING OWNER. THE MANUALS SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING:
 1. SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.
 2. OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
 3. NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.
- C408.3.1 FUNCTIONAL TESTING.**
 PRIOR TO PASSING FINAL INSPECTION, A REGISTERED DESIGN PROFESSIONAL SHALL PROVIDE EVIDENCE THAT THE LIGHTING CONTROL SYSTEMS HAVE BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS. FUNCTIONAL TESTING SHALL BE IN ACCORDANCE WITH SECTIONS C408.3.1.1 AND C408.3.1.2 OF THE FLORIDA ENERGY EFFICIENCY CODE FOR THE APPLICABLE CONTROL TYPE. CONTRACTOR IS RESPONSIBLE FOR CONTRACT WITH DESIGN PROFESSIONAL FOR REQUIRED FUNCTIONAL TESTING.

DEMOLITION NOTES:

- THERE SHALL NOT BE ANY INTERRUPTION TO SERVICES TO THE EXISTING BUILDINGS WITHOUT PRIOR SCHEDULING OF SUCH OUTAGES WITH THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL NOT TAKE POSSESSION OF OR DISPOSE OF ANY SALVAGEABLE ITEMS IN ASSOCIATION WITH THE WORK. ALL SALVAGEABLE ITEMS SHALL BE THE OWNER'S PROPERTY AT HIS OPTION. ALL UNSALVAGEABLE EQUIPMENT AND MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
- THE ELECTRICAL CONTRACTOR SHALL MAINTAIN ACCURATE RECORDS OF ANY MODIFICATIONS TO EXISTING SYSTEMS AND SHALL UPON COMPLETION, DELIVER "AS-BUILT" DRAWINGS TO THE OWNER, INDICATING ANY SUCH CHANGES.
- WHERE FEEDERS ARE ABANDONED, WIRE SHALL BE PULLED OUT AND ALL EXPOSED SECTIONS OF CONDUITS REMOVED. ALL SWITCHES, PANELS, ETC. SHALL BE REMOVED. ALL CONCEALED CONDUITS SHALL BE CAPPED AT POINT OF CONCEALMENT.
- ALL EXISTING DEVICES AND FIXTURES IN THE PATH OF RENOVATION OR BUILDING ADDITIONS SHALL BE REMOVED BY THE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN EXISTING CIRCUITRY TO ALL REMAINING DEVICES AND FIXTURES. FOR EACH DEVICE OR FIXTURE REMOVED AT THE END OF A CIRCUIT, CONTRACTOR SHALL REMOVE WIRING FROM LAST REMAINING DEVICE, FOR EACH DEVICE OR FIXTURE REMOVED IN THE MIDDLE OF A CIRCUIT, CONTRACTOR SHALL REMOVE WIRING FROM FIRST DEVICE OR FIXTURE BEFORE AND AFTER REMOVED DEVICE AND FIXTURE. NEW WIRING, SIZED THE SAME AS EXISTING, SHALL BE PULLED BETWEEN THE TWO REMAINING DEVICES OR FIXTURES.
- CONTRACTOR MAY REUSE EXISTING CONDUIT SYSTEM WHERE APPLICABLE, PROVIDING THE REUSED SYSTEMS MEET CURRENT CODES AND SPECIFICATIONS. REMOVE ALL UNUSED SURFACE MOUNTED CONDUIT. UNUSED CONDUITS STUBBING UP FROM FLOOR SHALL BE CUT FLUSH WITH FLOOR.
- EXISTING EQUIPMENT NOT SHOWN ON THESE PLANS AND NOT REMOVED BY OTHER TRADES SHALL BE RECONNECTED TO PANELS. EXISTING ELECTRICAL OR MECHANICAL EQUIPMENT TO REMAIN THAT HAS TO BE DISCONNECTED FOR CONSTRUCTION SHALL BE REINSTALLED.
- ELECTRICAL DRAWINGS DO NOT INDICATE ALL THE EXISTING INSTALLATIONS.
- ALL EXISTING SWITCHES, RECEPTACLES, LIGHTING FIXTURES, TELEPHONE OUTLETS, ETC. THAT DO NOT INTERFERE WITH RENOVATIONS SHALL REMAIN.
- CONTRACTOR SHALL VISIT THE SITE PRIOR TO PREPARING HIS BID AND DETERMINE THE EXTENT OF EXISTING EQUIPMENT AND WIRING TO ACCOMMODATE CHANGES AND ADDITIONS. ALL THE NECESSARY REROUTING, RELOCATING AND/OR REMOVAL OF EXISTING EQUIPMENT, WIRING ETC. SHALL BE INCLUDED IN THE SCOPE OF THIS WORK. ANY VARIATION FROM EXISTING CONDITIONS SHALL BE INCLUDED UNDER THIS CONTRACT.

FIRE ALARM

- | | |
|----------|--|
| F.A.C.P. | DENOTES FIRE ALARM CONTROL PANEL. |
| F.A.T.B. | FIRE ALARM TERMINAL BOX. |
| | FLUSH MOUNTED MANUAL FIRE ALARM PULL STATION, 46 INCH MOUNTING HEIGHT. |
| | SEMI-FLUSH MOUNTED FIRE ALARM AUDIO/VISUAL WARNING DEVICE, 80 INCH MOUNTING HEIGHT. 110 INDICATES 110 CANDELA STROBE. UTILIZE REDUCED CANDELA IN SMALL ROOMS AND CORRIDORS. USE 110 CANDELA IN ROOMS LARGER THAN 30' IN WIDTH OR LENGTH. ALL STROBES SHALL HAVE SELECTABLE CANDELAS. |
| | FLUSH WALL MOUNTED DOOR HOLDING DEVICE - 70 INCH MOUNTING HEIGHT. |
| | DUCT MOUNTED SMOKE DETECTOR, MOUNTED IN A/C DUCT. SEE MECHANICAL DRAWING FOR MOUNTING LOCATION AND QUANTITY. |
| | CEILING MOUNTED SMOKE DETECTOR. |
| | CEILING MOUNTED HEAT DETECTOR. |
| | AIR CONDITIONING/HEAT PUMP SHUT DOWN RELAY. |
| | SEMI-FLUSH FIRE ALARM VISUAL WARNING DEVICE, WALL MOUNTED. 80 INCH MOUNTING HEIGHT. (FROM FLOOR TO BOTTOM OF DEVICE) |

ELECTRICAL LEGEND

- | | |
|--|---|
| | LIGHTING FIXTURE -- RECESSED WITH JUNCTION BOX AND FLEXIBLE METALLIC CONDUIT CONNECTION. |
| | SAME AS ABOVE EXCEPT WITH EMERGENCY BATTERY BALLAST. |
| | LIGHTING FIXTURE -- SURFACE OR WALL MOUNTED. |
| | SAME AS ABOVE EXCEPT WITH EMERGENCY BATTERY BALLAST. |
| | FLOOD LIGHT. |
| | TRACK LIGHTING. |
| | EXIT LIGHT -- PROVIDE ARROWS AS INDICATED. SHADING DENOTES FACE ORIENTATION. DO NOT SWITCH. |
| | TOGGLE SWITCH -- SINGLE POLE -- QUIET TYPE 20 AMP, 120/277 VOLT HUBBELL NO. CSB120I WITH NPJ1I COVERPLATE, 46" MOUNTING HEIGHT, U.N.O. |
| | TOGGLE SWITCH -- THREE WAY -- QUIET TYPE 20 AMP, 120/277 VOLT, WITH IVORY MID-SIZED THERMOPLASTIC COVERPLATE -- 46" MOUNTING HEIGHT, U.N.O. |
| | TOGGLE SWITCH --FOUR WAY -- QUIET TYPE 20 AMP, 120/277 VOLT, WITH IVORY MID-SIZED THERMOPLASTIC COVERPLATE -- 46" MOUNTING HEIGHT, U.N.O. |
| | DIMMER SWITCH -- LUTRON "NOVA" SERIES, 1500 WATTS. 46" MOUNTING HEIGHT, U.N.O. |
| | TOGGLE SWITCH -- SINGLE POLE, 20 AMP, 120/277 VOLT, MOTOR RATED, GROUNDING TYPE. MOUNT AT EQUIPMENT HOUSING. |
| | LOW VOLTAGE MOMENTARY SWITCH. WATTSTOPPER #DCC2-I WITH DECORATIVE WALL PLATE. 46" MOUNTING HEIGHT, U.N.O. |
| | LOW VOLTAGE DIMMING SWITCH. WATTSTOPPER #LMDM-101-I WITH DECORATIVE WALL PLATE. 46" MOUNTING HEIGHT, U.N.O. |
| | OCCUPANCY SENSOR WALL SWITCH -- WATTSTOPPER #DW-100-I. 46" MOUNTING HEIGHT, U.N.O. |
| | LIGHTING ROOM CONTROLLER (1 ZONE) WATTSTOPPER #LMRC-211. INSTALL IN CEILING |
| | POWER RESISTOR OCCUPANCY SENSOR (NON-DLM) WATTSTOPPER #DT-305. PROVIDE BZ-150/BZ-250 CEILING MOUNTED DLM OCCUPANCY SENSOR WATTSTOPPER #LMDC-100. |
| | WALL MOUNTED NON-DLM OCCUPANCY SENSOR WATTSTOPPER #DT-205. MOUNT AT 10'-0" A.F.F. |
| | DUPLEX RECEPTACLE -- 20 AMP, 120 VOLT, 3 WIRE GROUNDING, HUBBELL NO. BR20WHI WITH NPJ8I COVERPLATE, 18" MOUNTING HEIGHT, U.N.O. |
| | CONTROLLED OUTLET DUPLEX RECEPTACLE WITH PERMANENT MARKING-- 20 AMP, 120 VOLT, 3 WIRE GROUNDING, HUBBELL NO. BR20C1I WITH NO. NPJ8I COVERPLATE, 18" MOUNTING HEIGHT, U.N.O. |
| | DOUBLE DUPLEX RECEPTACLES -- (2) TWO 20 AMP, 120 VOLT, 3 WIRE GROUNDING, HUBBELL NO. BR20WHI WITH NPJ82W COVERPLATE, 18" MOUNTING HEIGHT, U.N.O. |
| | DUPLEX RECEPTACLE WITH GROUNDING FAULT INTERRUPTER, 20 AMP, 120 VOLT, 3 WIRE GROUNDING, HUBBELL NO. GF20WH WITH NPJ26W COVERPLATE, 46" MOUNTING HEIGHT, U.N.O. FOR EXTERIOR LOCATION USE WEATHER RESISTANT RATED RECEPTACLE. |
| | SPECIAL PURPOSE RECEPTACLE COMPLETE WITH COVERPLATE. SEE FLOOR PLAN FOR COMPLETE CONFIGURATION. |
| | TELEPHONE/DATA OUTLET -- 4" SQUARE JUNCTION BOX WITH 1-GANG EXTENSION RING AND RJ-45 CONNECTOR. OUTLETS VOID OF NUMBER ARE (2) CAT 6 RJ-45 JACKS. 18" MOUNTING HEIGHT, U.N.O. INSTALL CAT 6 CABLES IN 1" CONDUIT TO CEILING SPACE. SUPPORT CABLES IN CEILING SPACE WITH J-HOOKS, NOT TO EXCEED 48" SPACING. |
| | FUTURE TELEPHONE/DATA OUTLET -- 4" SQUARE JUNCTION BOX WITH 1-GANG EXTENSION RING AND BLANK COVER PLATE. 18" MOUNTING HEIGHT U.N.O. INSTALL 1" CONDUIT TO CEILING SPACE. |
| | TV OUTLET -- 4 INCH SQUARE JUNCTION BOX WITH 1-GANG EXTENSION RING AND F CONNECTOR/PLATE. PROVIDE 1" CONDUIT WITH RG-6 CABLE TO ACCESSIBLE CEILING SPACE. |
| | JUNCTION BOX, SIZE PER NEC. |
| | CEILING MOUNTED INTERCOM SPEAKER. |
| | WALL MOUNTED OUTDOOR INTERCOM SPEAKER. |
| | INTERCOM VOLUME CONTROL |
| | SECURITY DOOR CONTACT LOCATION |
| | SECURITY CAMERA LOCATION |
| | LIGHTING AND/OR POWER PANELBOARD. |
| | WIRING IN CONDUIT, RUN CONCEALED ABOVE CEILING OR IN WALLS. |
| | SAME AS ABOVE EXCEPT EMERGENCY CIRCUIT |
| | HOMERUN TO PANELBOARD -- FOR RECEPTACLE CIRCUITS PROVIDE NEUTRAL CONDUCTOR FOR EACH CIRCUIT. (DO NOT COMBINE NEUTRALS. TWO CIRCUITS IN ONE HOME RUN SHALL HAVE TWO NEUTRAL CONDUCTORS.) |
| | DENOTES WEATHERPROOF -- FOR RECEPTACLES PROVIDE TAYMAC MX3200S COVER. |
| | CIRCUIT BREAKER. |
| | UNLESS NOTED OTHERWISE. |
| | ABOVE FINISHED FLOOR. |
| | ABOVE COUNTER. |
| | CEILING MOUNTED. |
| | FLOOR MOUNTED. |
| | NIGHT LIGHT -- FIXTURE TO REMAIN ON AT ALL TIMES. |
| | MOTOR, FAN, PUMP OR AIR CONDITIONING UNIT CONNECTION PER NEC. |
| | COMBINATION CIRCUIT BREAKER/MOTOR STARTER, NEMA-1 ENCLOSURE. |
| | DISCONNECT SWITCH, '3-60/40' DENOTES 3 POLE, 60 AMP, 40 AMP FUSES, DASHED DENOTES FURNISHED WITH EQUIPMENT. |



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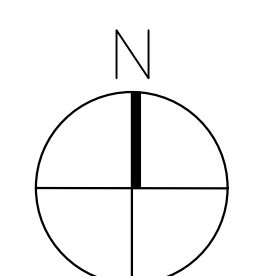
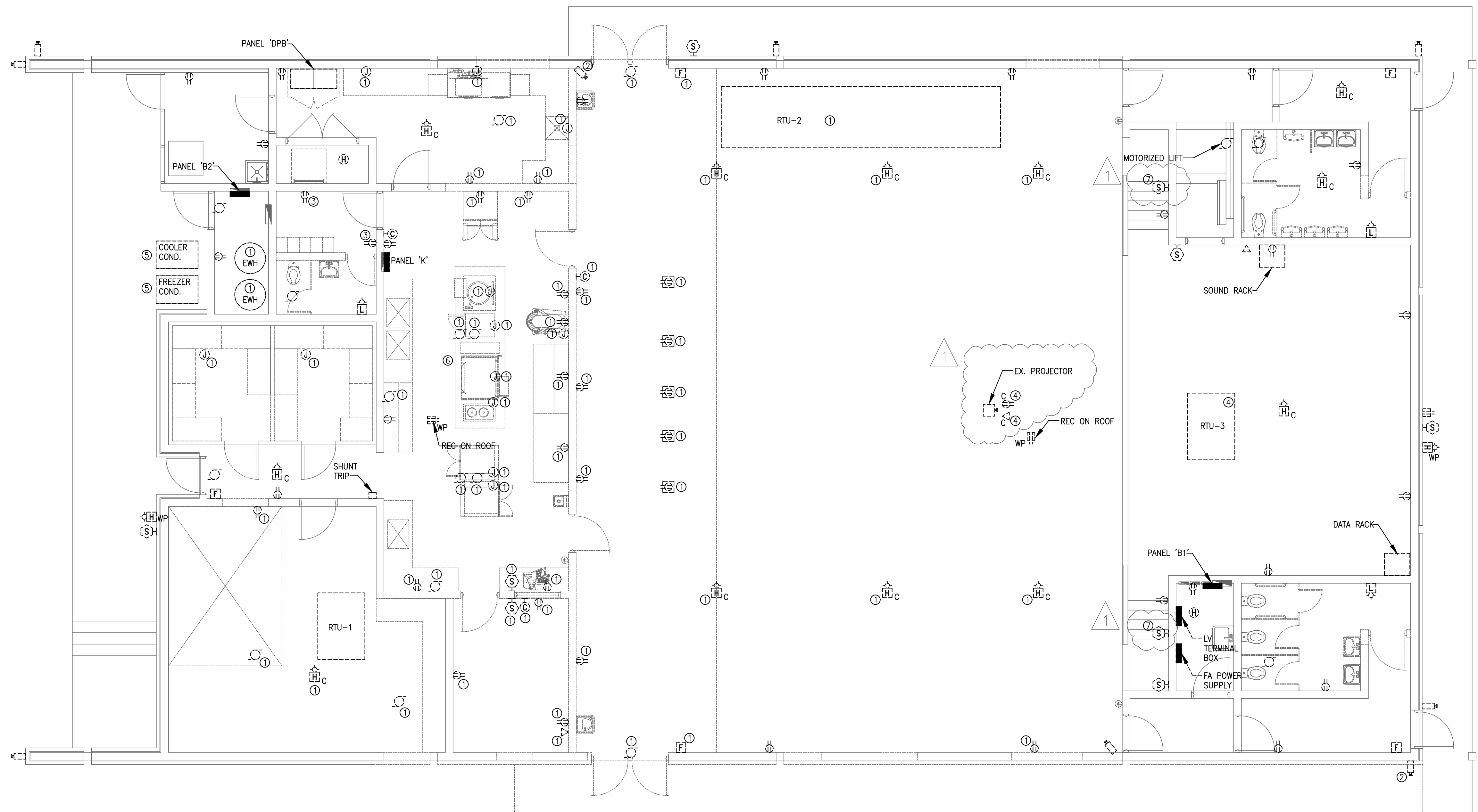
EXPANSION OF
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REVISIONS		
NO.	DATE	COMMENT
▲	09-26-19	ADD 2

JOB NO. 182000
 DATE 08-22-19
 DRAWN BY HJH
 CHECKED BY JBS

E1.1





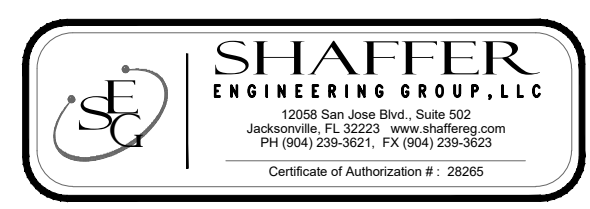
ELECTRICAL DEMO PLAN-POWER/SYSTEMS
 SCALE 3/16"=1'-0"

PLAN NOTES:

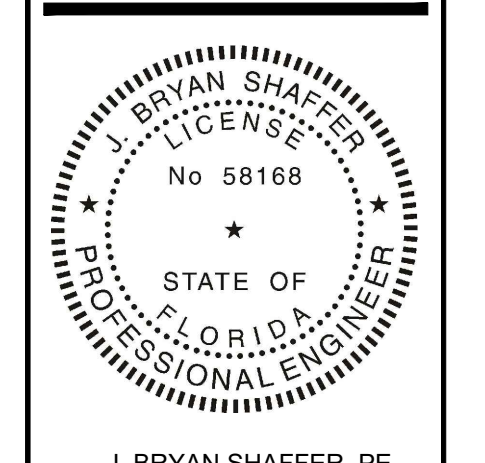
- ① REFERENCE NOTE ON DRAWING
- 1. EXISTING DEVICE TO BE REMOVED.
- 2. EXISTING DEVICE TO BE RELOCATED.
- 3. REMOVE EXISTING DEVICE AND REPLACE WITH NEW AS INDICATED.
- 4. EXISTING UNIT TO BE REMOVED AND REPLACED. CONNECT NEW UNIT TO EXISTING CIRCUIT.
- 5. EXISTING CONDENSER TO BE REMOVED AND REPLACED. CONNECT NEW CONDENSERS TO EXISTING CIRCUITS/DISCONNECTS.
- 6. REMOVE WIRING/CONDUIT TO ALL EXISTING KITCHEN EQUIPMENT.
- 7. EXISTING STAGE SOUND SPEAKERS TO BE REMOVED PRIOR TO DEMOLITION AND RE-INSTALLED AT COMPLETION OF CONSTRUCTION.

UNLESS OTHERWISE NOTED ALL EXISTING POWER/SYSTEMS DEVICES ARE TO REMAIN.

ALL EXISTING ELECTRONIC/ELECTRICAL EQUIPMENT TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION



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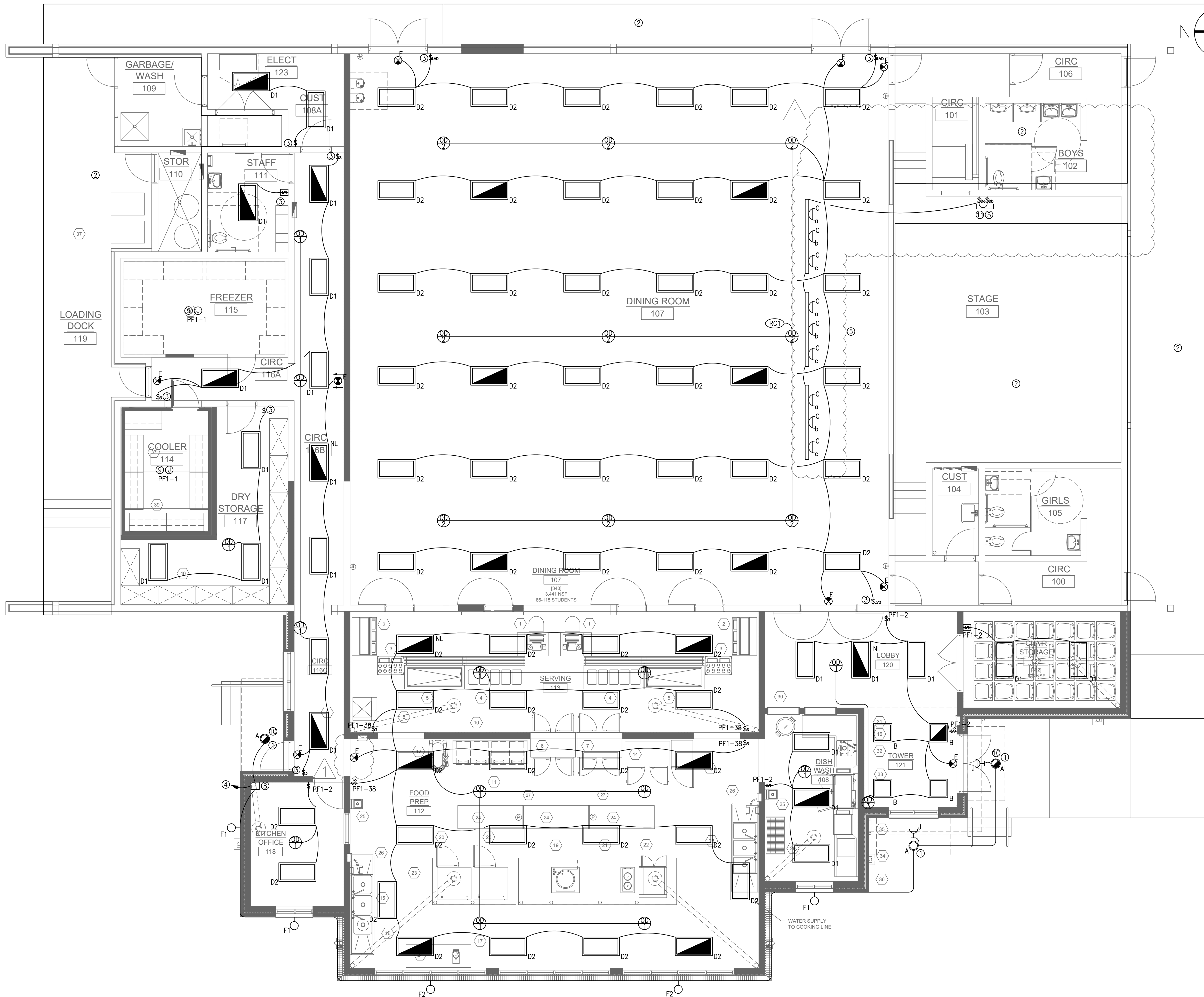
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E3.2



ELECTRICAL LIGHTING PLAN

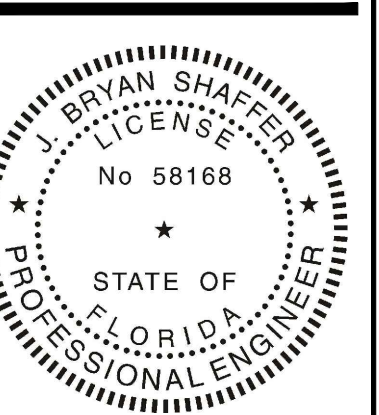
SCALE 3/16"=1'-0"

PLAN NOTES:

1. CENTER FIXTURES IN CANOPY.
2. NO LIGHTING WORK IN THIS AREA.
3. CONNECT TO EXISTING AREA LIGHTING CIRCUITS WITH (3) #12, 1/2". DO NOT EXCEED 1800 WATTS PER CIRCUIT.
4. CONNECT TO EXISTING SWITCHED/UNSWITCHED EXTERIOR LIGHTING CIRCUIT WITH (4) #12, 1/2" C.
5. VERIFY PREFERRED LOCATION WITH SCHOOL PRINCIPAL AND INSTALL PER THEIR DIRECTION.
6. EXIT LIGHTING SHALL BE CONNECTED TO CONSTANT HOT CONDUCTOR OF ROOM LIGHTING CIRCUIT.
7. EMERGENCY LIGHTING SHALL BE CONNECTED TO SWITCHED AND CONSTANT HOT CONDUCTORS OF ROOM LIGHTING CIRCUIT.
8. INSTALL BATTERY INVERTER ABOVE CEILING TO POWER FIXTURE FOR EMERGENCY USE. LABEL LOCATION ON GRID AS EXTERIOR BATTERY INVERTER.
9. CONNECT TO EXISTING WALK-IN COOLER/FREEZER LIGHTING. COORDINATE WITH SUPPLIED EQUIPMENT PRIOR TO INSTALLATION.
10. CONNECT FIXTURE TO EMERGENCY BATTERY INVERTER.
11. CONNECT TO EXISTING TRACK LIGHTING CIRCUIT WITH (3)#12, 1/2" C.

GENERAL NOTES

(6) (7)



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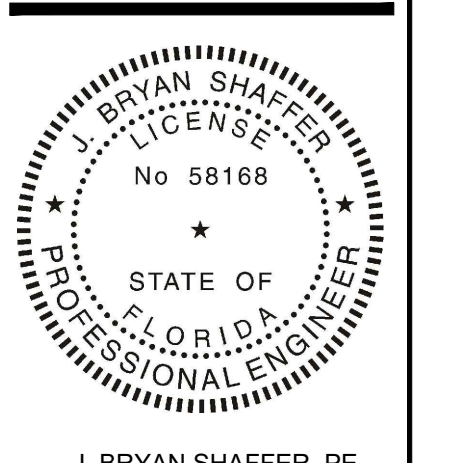
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CHECKED BY JBS



E4.1



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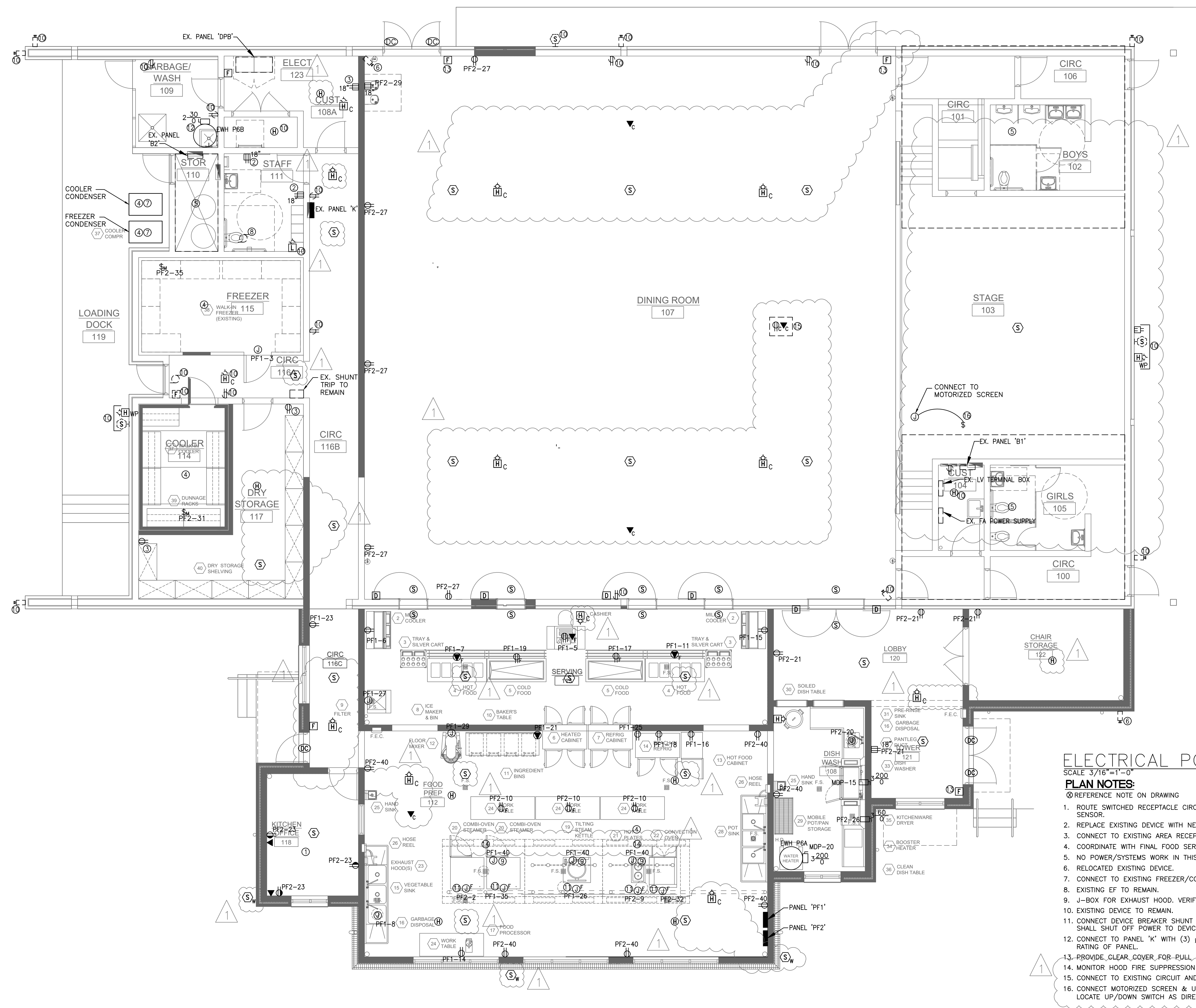
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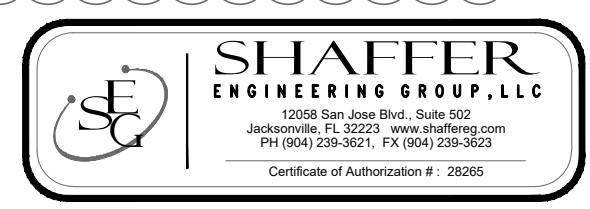
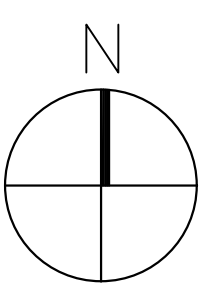
GENERAL NOTES
 ④ ⑬

ELECTRICAL POWER/SYSTEMS PLAN

SCALE 3/16"=1'-0"

PLAN NOTES:

- REFERENCE NOTE ON DRAWING
- ROUTE SWITCHED RECEPTACLE CIRCUIT THROUGH POWER PACK FOR CONTROL. CONNECT TO ROOM LIGHTING MOTION SENSOR.
- REPLACE EXISTING DEVICE WITH NEW.
- CONNECT TO EXISTING AREA RECEPTACLE CIRCUIT WITH (3)#12, 1/2" C. DO NOT EXCEED 1900 WATTS ON CIRCUIT.
- COORDINATE WITH FINAL FOOD SERVICE DRAWINGS FOR EXACT EQUIPMENT POWER REQUIREMENTS AND LOCATIONS.
- NO POWER/SYSTEMS WORK IN THIS AREA.
- RELOCATED EXISTING DEVICE.
- CONNECT TO EXISTING FREEZER/COOLER CONDENSER CIRCUITS & DISCONNECTS.
- EXISTING EF TO REMAIN.
- J-BOX FOR EXHAUST HOOD. VERIFY EXACT LOCATION AND REQUIREMENTS WITH FOOD SERVICE PROVIDER.
- EXISTING DEVICE TO REMAIN.
- CONNECT DEVICE BREAKER SHUNT TRIP TO HOOD FIRE PROTECTION SYSTEM. ACTIVATION OF HOOD FIRE PROTECTION SHALL SHUT OFF POWER TO DEVICES UNDER HOOD.
- CONNECT TO PANEL 'K' WITH (3) #10 IN 1/2" C. INSTALL NEW 30 AMP, 2 POLE BREAKER IN PANEL. MAINTAIN AIC RATING OF PANEL.
- PROVIDE CLEAR COVER FOR PULL STATION IN STUDENT AREA.
- MONITOR HOOD FIRE SUPPRESSION SYSTEM WITH FIRE ALARM SYSTEM.
- CONNECT TO EXISTING CIRCUIT AND CABLING FOR PROJECTOR.
- CONNECT MOTORIZED SCREEN & UP/DOWN SWITCH TO A NEW 20A/1P BREAKER IN PANEL B1 WITH (3)#12, 1/2" C. LOCATE UP/DOWN SWITCH AS DIRECTED BY SCHOOL PRINCIPAL.



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