ALABAMA A & M UNIVERSITY

ELECTRICAL SERVICE REPLACEMENT FOR ELMORE GYMNASIUM



LIST OF DRAWINGS

TITLE

1-TO.O TITLE SHEET

ELECTRICAL

- 2-E0.1 LEGEND AND NOTES 3-E1.1 DEMOLITION PLAN - ELECTRICAL 4-E2.1 PRIMARY RISER, NOTES TRANSFORMER DETAILS
- 5-E2.2 RISER DIAGRAMS 6-E2.3 PANEL SCHEDULES
- 7-E3.1 GROUND FLOOR PLAN ELECTRICAL 8-E3.2 SECOND FLOOR PLAN AND ENLARGED PLANS

ARCHITECTURAL

9-A1.0 FLOOR PLANS AND DETAILS

PROJECT TEAM

OWNER: ALABAMA A & M UNIVERSITY

ELECTRICAL ENGINEER:

HYDE ENGINEERING 1525 PERIMETER PARKWAY SUITE 275 HUNTSVILLE , ALABAMA 35801 PH. (256) 270-8013 ATTN: MORGAN REYES

ARCHITECT:

NOLA I VANPEURSEM ARCHITECTS 301 JEFFERSON STREET, NORTH HUNTSVILLE , ALABAMA 35801 PH. (256) 533-6617 ATTN: STÉPHAN WANK

CODES:

2020 NEC 2021 IBC

2021 IFC

2019 NFPA 72 2021 IEBC

TITLE SHEET

T0.0

TRANSFORMER

FUSED DISCONNECT SWITCH WITH CONNECTION TO EQUIPMENT.

MANUAL MOTOR STARTER THERMAL SWITCH. WALL MOUNT 5'-6"H. OR AT MOTOR AS SHOWN.

ELECTRICAL PANEL: SEE SCHEDULE AND SPECIFICATIONS.

AUTOMATIC TRANSFER SWITCH.

AFG

AFF

CB

CU

DISC

EM

EMT

EP

ΕX

G, GRD

GFI

FUSE

GROUND

GROUND FAULT INTERRUPTING

ABBREVIATIONS ABOVE COUNTER ISOLATED GROUND ABOVE FINISH GRADE NIGHT LIGHT ABOVE FINISH FLOOR MAIN CIRCUIT BREAKER MCB AVAILABLE INTERRUPT CURRENT MAIN LUGS ONLY RR REMOVE AND REPLACE WITH NEW ALUMINUM TELEPHONE BACK BOARD AMERICAN WIRE GAUGE CONDUIT RACEWAY TAMPER PROOF CIRCUIT BREAKER TELEVISION COPPER TYPICAL DISCONNECT UNDER COUNTER **EMERGENCY** UNDER GROUND ELECTRICAL METALLIC TUBING WIRELESS ACCESS POINT EXPLOSION PROOF WEATHERPROOF, NEMA 3R. EXISTING - REMOVE EXISTING

EXISTING - REMOVE AND RELOCATE

EXISTING - RELOCATED

NOTES

- 1. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL ORDINANCES. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS.
- 2. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL DETAILS OF THE WORK AND ALL EXISTING FIELD CONDITIONS.
- 3. CONTRACTOR SHALL PROVIDE A COMPLETE ELECTRICAL INSTALLATION INCLUDING ALL WORK CUSTOMARILY INCLUDED EVEN IF NOT SPECIFICALLY CALLED OUT.
- 4. THE ELECTRICAL CONTRACTOR SHALL CAREFULLY COORDINATE HIS WORK WITH OTHER CONTRACTORS THROUGH THE GENERAL CONTRACTOR FOR SPACE REQUIREMENTS, ETC.
- 5. CONTRACTOR SHALL VERIFY ALL MECHANICAL EQUIPMENT NAMEPLATE DATA BEFORE ANY WORK IS
- 6. SHOULD THE CONTRACTOR FIND DISCREPANCIES OR OMISSIONS IN THE CONTRACT DOCUMENTS OR BE IN DOUBT AS TO INTENT, HE SHALL IMMEDIATELY OBTAIN CLARIFICATION FROM THE ARCHITECT OR ENGINEER.

DONE AND MAKE ANY ADJUSTMENTS IN BREAKER AND WIRE SIZE AS MAY BE REQUIRED.

- 7. THE ELECTRICAL DRAWINGS ARE SCHEMATIC AND ARE NOT INTENDED TO SHOW THE EXACT LOCATION OF CONDUITS, OUTLETS, ETC. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS AND SHALL FIT HIS WORK TO CONFORM WITH THE BUILDING CONSTRUCTION AND WITH THE OTHER TRADES.
- 8. ATTENTION IS CALLED TO THE FACT THAT THIS IS A RENOVATION OF AN EXISTING BUILDING. WHEN THE WORK IS FINISHED, THE ELECTRICAL SHALL BE COMPLETE IN EVERY RESPECT, COMPLETELY INTEGRATED WITH ALL THE EXISTING ELECTRICAL SYSTEMS. ELECTRICAL SERVICE TO THE EXISTING BUILDING SHALL NOT BE INTERRUPTED AT ANY TIME. PROVIDE ALL THE NECESSARY TIES AND TEMPORARY SERVICE TO ACHIEVE THIS CONDITION.
- 9. RENOVATION/ADDITION SHALL BE MADE TO TIE INTO EXISTING IN A UNIFORM MANNER. SIMILAR ITEMS IN NEW BUILDING SHALL BE CHECKED AGAINST EXISTING BUILDING AS FOR TYPE MOUNTING, MOUNTING HEIGHTS, ETC. ANY ITEMS SHOWN IN NEW ADDITION AT VARIANCE FROM ABOVE SHALL BE REFERRED TO ARCHITECT FOR DECISION BEFORE ROUGHING IN.
- 10. SHOULD ANY ELECTRICAL POWER, LIGHT OR AUXILIARY, CIRCUITS, FEEDERS OR EQUIPMENT BE SEVERED, DISCONNECTED OR DELETED IN THE PROCESS OF CONSTRUCTION OR REMODELING WHICH IS NOTED A RESULT OF CONTRACT PLANS AND SPECIFICATIONS, AND UNLESS IT IS SPECIFICALLY DESIGNATED BY THE DRAWINGS TO BE DELETED, THEN SAID CIRCUIT OR FEEDER SHALL BE RESTORED TO FIRST CLASS WORKING CONDITION. THE RESTORATION SHALL INCLUDE ANY RE—ROUTING, RELOCATIONS OR REPLACEMENT AS MAY BE NECESSITATED BY THE ARCHITECTURAL AND STRUCTURAL CONSTRUCTION. ANY SUCH WORK REQUIRED SHALL BE INCLUDED IN THE ELECTRICAL CONTRACT AND NO EXTRA COMPENSATION WILL BE GRANTED.
- 11. THE ELECTRICAL CONTRACTOR SHALL DO ALL CUTTING, PATCHING AND REPAIRING REQUIRED TO DO THIS WORK. REPAIRING OF WORK SHALL BE COMPARABLE TO WORK CUT. PAINT TO MATCH ADJACENT SURFACES OR AS DIRECTED BY ARCHITECT. COORDINATE WITH GENERAL CONTRACTOR.
- 12. ALL CONDUITS CROSSING EXPANSION JOINTS SHALL HAVE EXPANSION TYPE FITTINGS.
- 13. THE ATTACHED DRAWINGS WERE DEVELOPED FROM RECORD DRAWINGS AND INFORMATION PROVIDED BY OTHERS WHICH MAY NOT REFLECT ACTUAL FIELD CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD BEFORE PROCEEDING WITH SUBSEQUENT WORK. THE DESIGN TEAM SHALL BE NOTIFIED OF ANY DISCREPANCIES OR CONFLICTS WITH DRAWINGS FOR CLARIFICATION PRIOR TO PROCEEDING WITH WORK.
- 14. QUESTIONS REGARDING THESE DRAWINGS SHALL BE ADDRESSED TO ENGINEER PRIOR TO AWARDING OF CONTRACT. OTHERWISE THE ENGINEER'S INTERPRETATION OF THE MEANING AND INTENT OF DRAWINGS SHALL BE FINAL.
- 15. PROVIDE ARC FLASH WARNING LABELS ON EXISTING AND NEW PANELS THAT COMPLY WITH NEC110.16.

16. LABEL PANELS PER NEC110.24.

DO NOT SCALE DIMENSIONS FROM DRAWINGS.
CONSULT OWNER/ARCHITECT FOR EXACT
DIMENSIONAL DATA.

SPECIAL CONSTRUCTION NOTES

- A. THE SHUT DOWN TO THIS BUILDING SHALL BE KEPT TO A MINIMUM. THE PROPOSED SCHEDULE IS FOR THE BUILDING TO BE SHUT DOWN FROM MID MAY 2025: TO MID JUNE 2025, A MAXIMUM OF 30 DAYS OF SHUT DOWN. THIS SHOULD ALLOW TIME FOR ALL EQUIPMENT TO ARRIVE. ANY WORK POSSIBLE MAY BE COMPLETED DURING OTHER SCHOOL BREAKS IN 2024.
- B. ONCE THE NEW TRANSFORMER AND PRIMARY ARE INSTALLED THE OLD SHALL BE REMOVED.
 C. CONTRACTOR SHALL REUSE EXISTING POLE MOUNTED PRIMARY SWITCHES.
- D. ANY CEILING TILES BROKEN DURING CONSTRUCTION SHALL BE REPLACED WITH THE SAME TYPE CEILING



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Elmore Gym Electrical Service Replaceme

SEAL:

SEAL:

PROFESSIONAL

PROFESSIONAL

O9/29/202

JOB NUMBER: 23239.0

DRAWN BY: BR

CHECKED BY: MBR

DRAWING TITLE:

LEGEND, AND NOTES

RAWING NO.

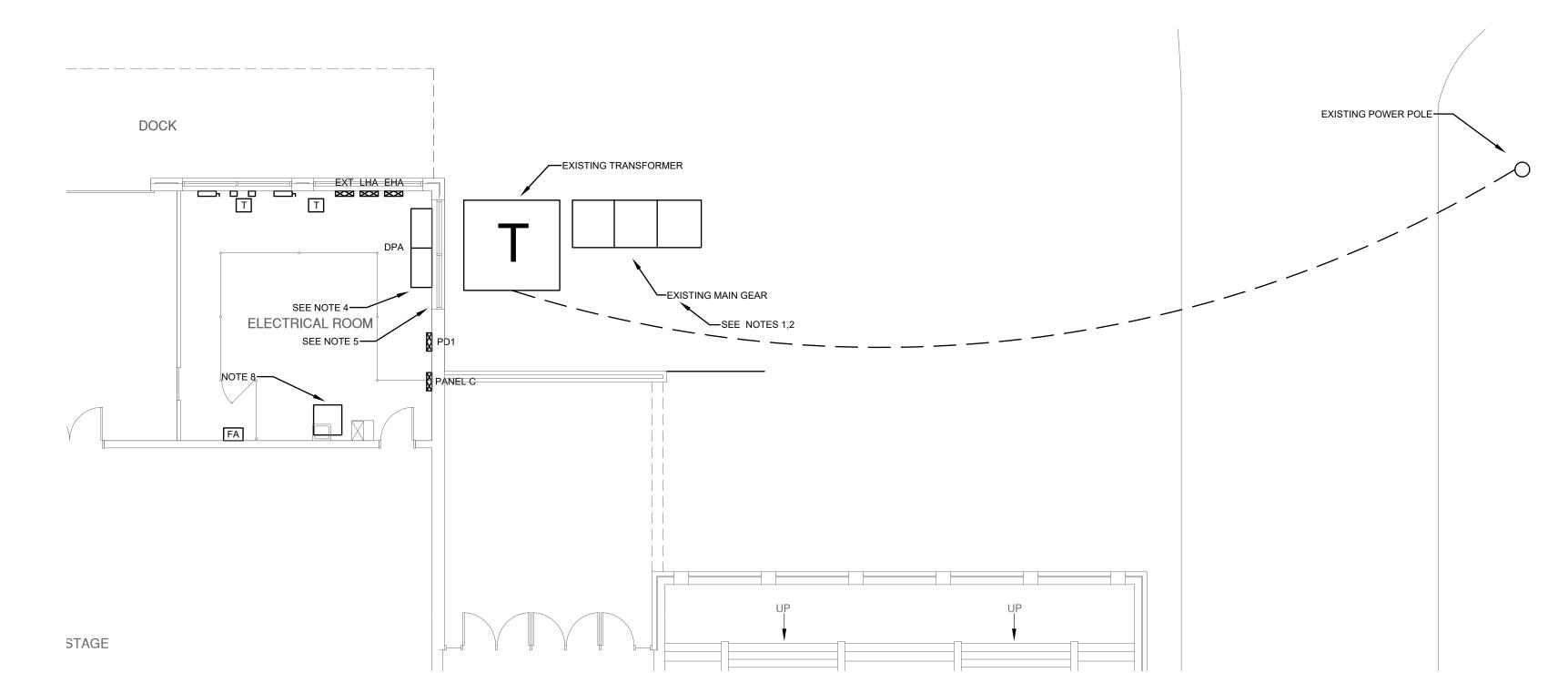
E0.1

en

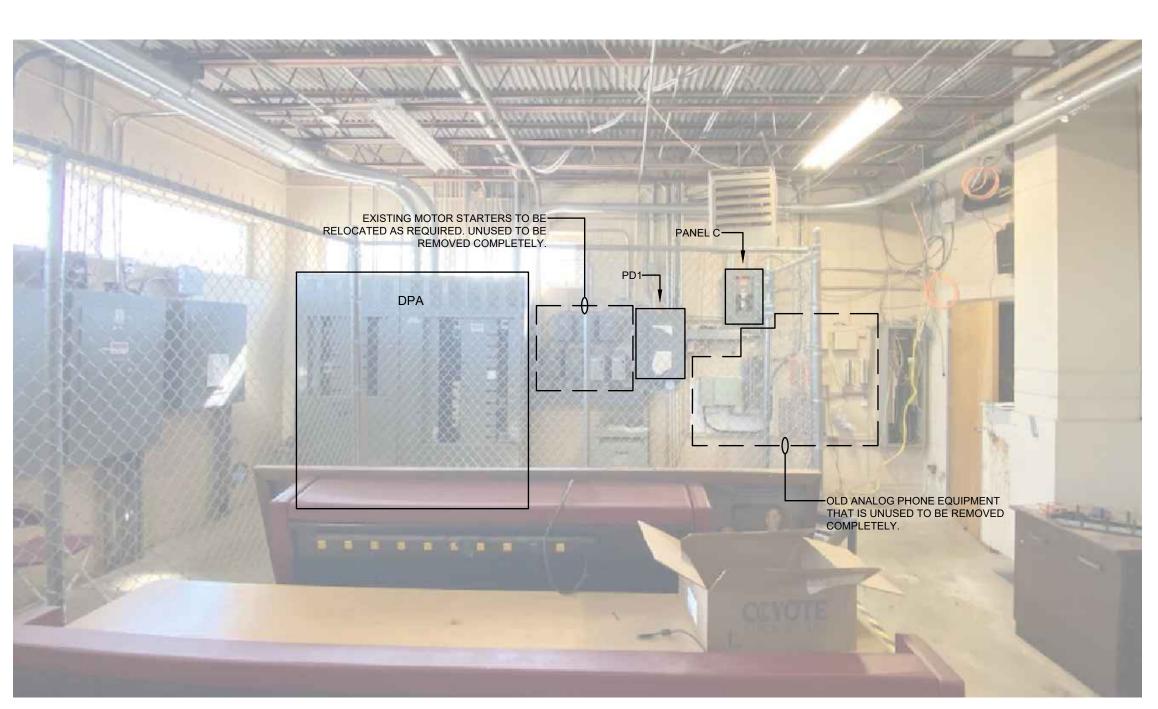


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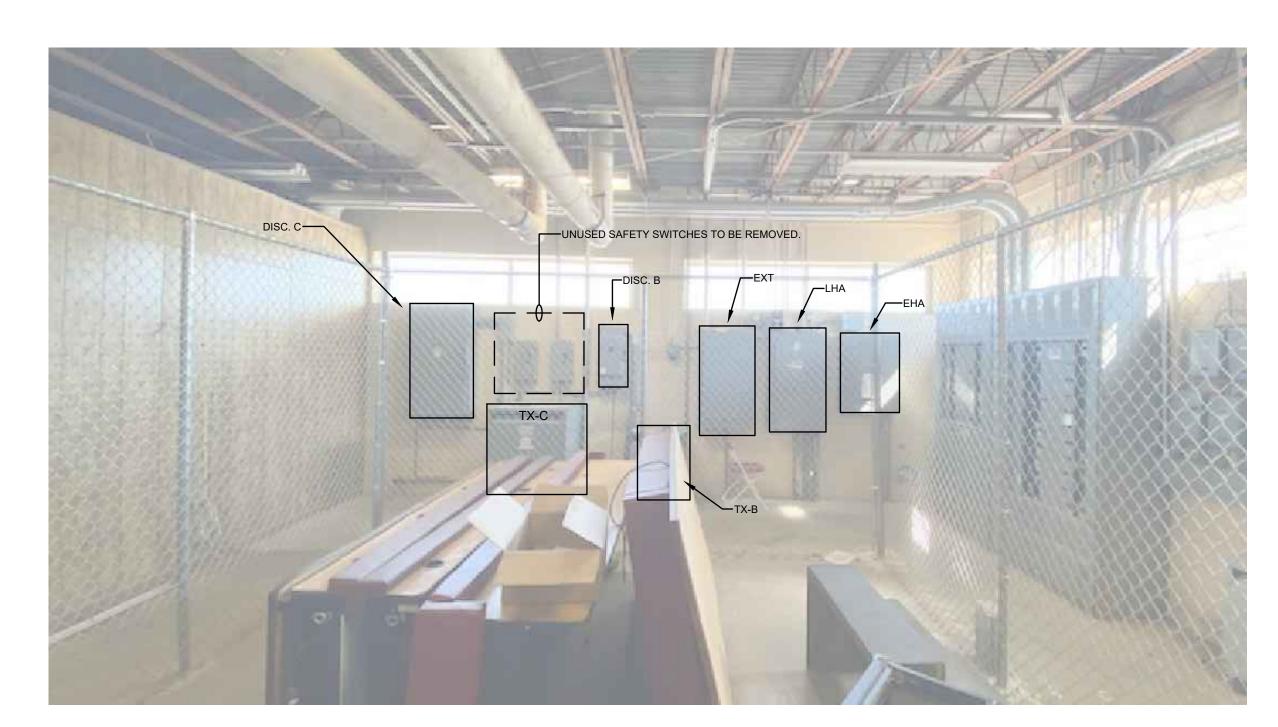
E1.1



ENLARGED PLAN ELECTRICAL - EXISTING - DEMOLITION SCALE 1/8"=1'0"



EXISTING EAST WALL OF ELECTRICAL ROOM SCALE 1/8"=1'0"



EXISTING NORTH WALL OF ELECTRICAL ROOM SCALE 1/8"=1'0"

DEMOLITION NOTES:

- 1. EXTERIOR TRANSFORMER AND EXTERIOR MAIN GEAR TO BE REMOVED.
- 2. EXTERIOR MAIN GEAR FEEDS THE FOLLOWING PANELS: SWBD MDP (POOL), SWBD DPA (GYM), EHA, LHA, LHB, DH, BH AND AN UNKNOWN PANEL (70A).
- 3. ALL PANEL FEEDERS WILL BE REFEED FROM NEW SWITCHBOARD WITHIN ELECTRICAL ROOM. SEE NEW RISER.
- 4. EXISTING PANEL DPA AND EXTERIOR MAIN GEAR WILL BE REPLACED WITH NEW MBP AS SHOWN ON RISER.
- 5. EXISTING EQUIPMENT STARTERS THAT ARE STILL IN USE SHALL BE RELOCATED AND RECONNECTED. ANY STARTERS THAT ARE NO LONGER IN USE SHALL BE REMOVED
- COMPLETELY AND THE CONDUIT AND WIRE REMOVED BACK TO THE PANEL.

6. PANEL PD1 AND PANEL C WILL BE REPLACED WITH NEW PANEL RPA

- 7. PANEL LHA AND PANEL EHA WILL BE REPLACED WITH NEW PANEL LPA. CONTRACTOR TO INSTALL A JUNCTION BOX ON THE UNDERGROUND CONDUITS LEAVING EHA AND EXTEND CIRCUITS TO NEW PANEL LPA. LPA SHALL BE LOCATED IN THE SAME APPROXIMATE LOCATION AS PANEL LHA.
- 8. SOUND SYSTEM EQUIPMENT RACK SHALL BE RELOCATED TO MEZZANINE ABOVE. WIRING ALREADY ROUTES UP THROUGH MEZZANINE FLOOR. CONTRACTOR SHALL LABEL AND TEMPORARY DISCONNECT EXISTING CABLING. MOVE RACK UP TO MEZZANINE AND RECONNECT EXISTING CABLE. COIL UP EXCESS CABLING AT RACK. PROVIDE A 120V/20A RECEPTACLE ROUTED TO A SPARE 20/1 BREAKER IN PANEL RPA.
- 9. PANEL FEEDER FOR BH SHALL BE NEW AS PART OF BASE BID. PANEL BH SHALL BE REPLACED AS PART OF ADDITIVE ALTERNATE #1.
- 10. PANEL BL AND TRANSFORMER TX-BL SHALL BE REPLACED AS PART OF ADDITIVE ALTERNATE #1.
- 11. PANEL FEEDER FOR DH SHALL BE NEW AS PART OF BASE BID. PANEL DH SHALL BE REPLACED AS PART OF ADDITIVE ALTERNATE #1.
- 12. PANEL DL AND TRANSFORMER TX-DL SHALL BE REPLACED AS PART OF ADDITIVE ALTERNATE #1.
- 13. A NEW 2000 AMP FEEDER SHALL BE ROUTED TO THE NEW POOL SWITCHBOARD, DPB.
- 14. PANEL LP-N1 SHALL HAVE A NEW PANEL FEEDER PULLED INTO THE EXISTING CONDUIT. SEE RISER.
- 15. PANEL CL AND TRANSFORMER TX-CL SHALL BE REPLACED AS PART OF ADDITIVE ALTERNATE #1.
- 16. PANEL LHB WILL HAVE A NEW PANEL FEEDER. PANEL WILL NOT BE REPLACED.
- 17. PANEL EL AND TX-EL SHALL BE REPLACED AS PART OF ADDITIVE ALTERNATE #1.
- 18. A NEW HARD CEILING WILL BE INSTALLED IN NEW ELECTRICAL ROOM. ANY JUNCTION BOXES OR CABLING WILL NEED TO BE RELOCATED TO BELOW THE NEW CEILING. CONTRACTOR SHALL FIRE CAULK ALL PENETRATIONS.
- 19. UNIT HEATER SHALL BE RELOCATED CLEAR OF ELECTRICAL ROOM.



EXISTING NORTH WALL OF ELECTRICAL ROOM



-4" CONCRETE

____3000YG

→ SEE GROUNDING DETAIL

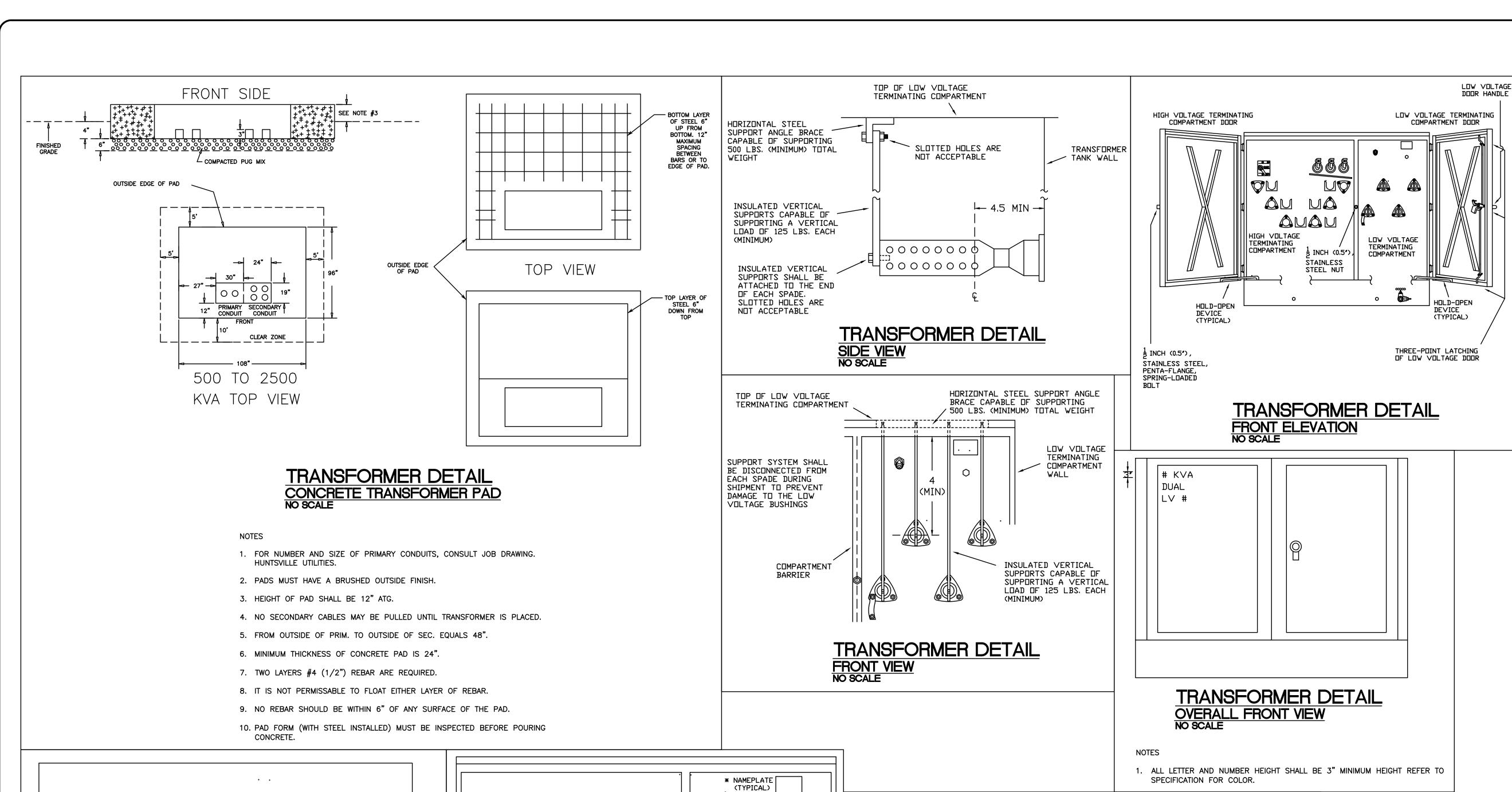
HOUSEKEEPING

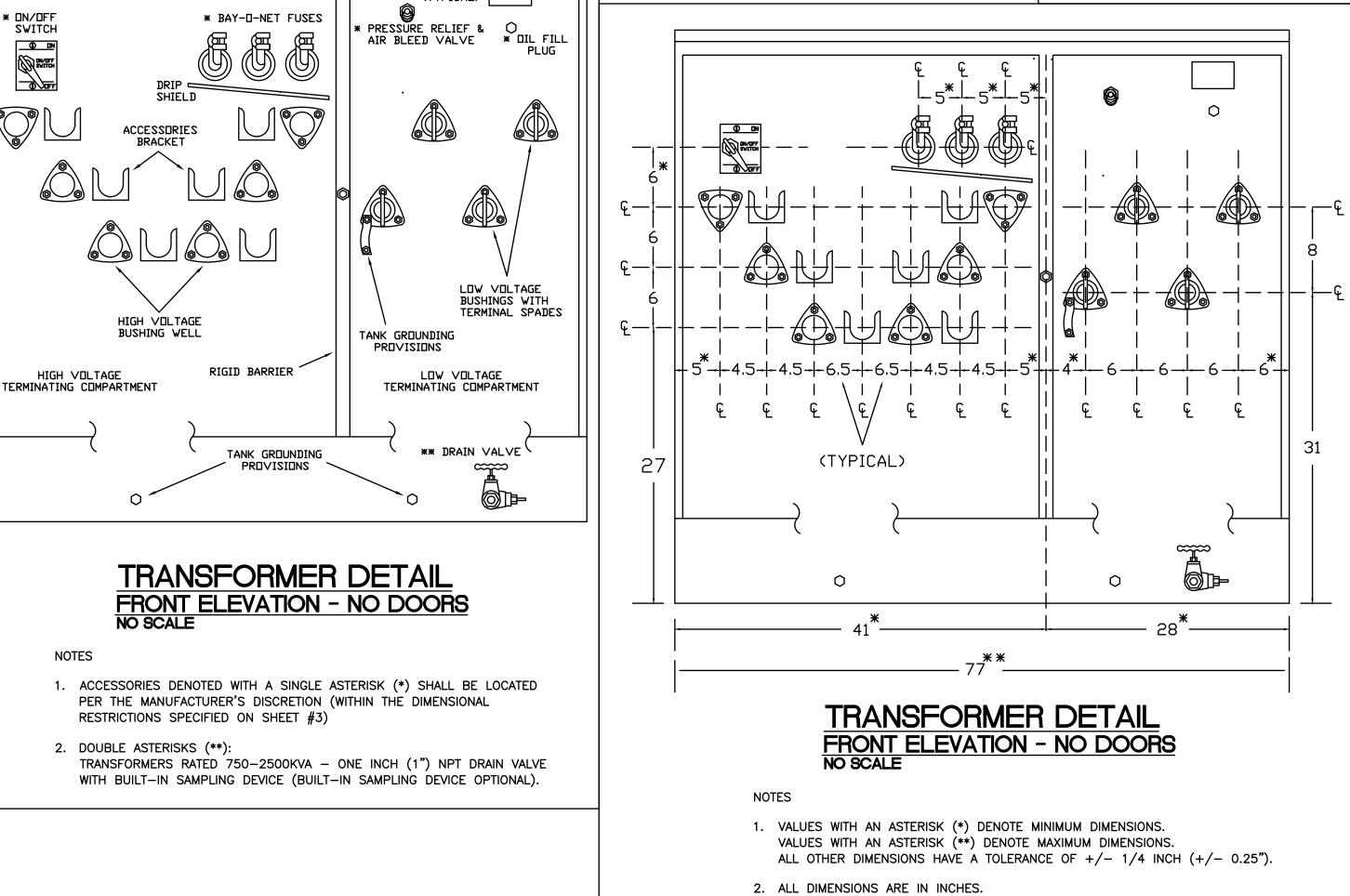
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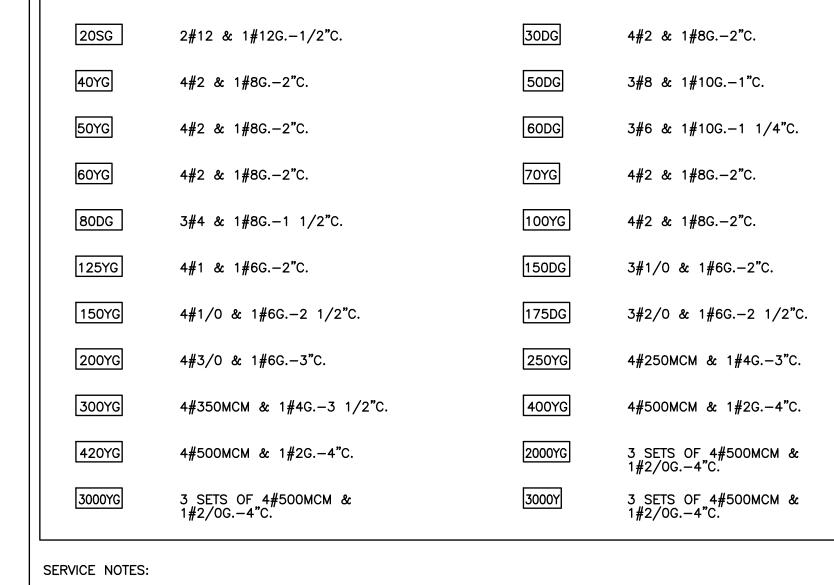
REVISION DATE

09/29/2023 JOB NUMBER: DRAWN BY: BR CHECKED BY: MBR DRAWING TITLE: IPRIMARY RISER. NOTES, AND

TRANSFORMER DETAILS DRAWING NO.







RISER DIAGRAM - BASE BID POWER DISTRIBUTION - OUTSIDE BUILDING NO SCALE

FEEDER SCHEDULE

- 1. THE SECONDARY SERVICE: 277/480V, 3ø, 4W., GROUNDED NEUTRAL, WYE CONNECTED AS SHOWN ON SINGLE LINE DIAGRAM. RISER NOTES:
- . INDUSTRY AVERAGE EQUIPMENT SIZES WERE USED TO DETERMINE FIT AND WORKING CLEARANCES. E.C. IS TO VERIFY FIT AND WORKING CLEARANCES BASED ON ACTUAL EQUIPMENT CONSIDERED.
- 2. FOR 277/480 VOLT SYSTEMS 1000A. & OVER, PROVIDE GFI PROTECTION FOR EACH PROTECTIVE DEVICE RATED 1000A. OR MORE. FIELD TEST PER NEC 230.95(C).
- 3. PROTECTIVE DEVICES RATED 800A & GREATER SHALL BE STATIC TRIP TYPE WITH LSI SETTINGS. 4. PROTECTIVE DEVICES RATED 1200A & GREATER SHALL HAVE ENERGY REDUCING MAINTENANCE SWITCHING WITH LOCAL STATUS INDICATOR OR ARC-FLASH ENERGY REDUCTION SCHEME/METHOD APPROVED BY
- 5. SEE FLOOR PLANS FOR PLACEMENT OF EQUIPMENT.

-EXISTING POWER POLE

RISER NOTE 7

-NEW RISER UP POLE

MEDIUM VOLTAGE

PAD SEE DETAILS

TRANSFORMER AND

-RISER NOTE 8

PROVIDÉ RIGID 90'S AT EACH

BEND

TRANSITION TO RIGID CONDUIT TO RISE UP

3000/3 MAIN ENCLOSED BREAKER.—

RISER NOTE 9 3000Y

N3R. SERVICE ENTRY RATED. WITH

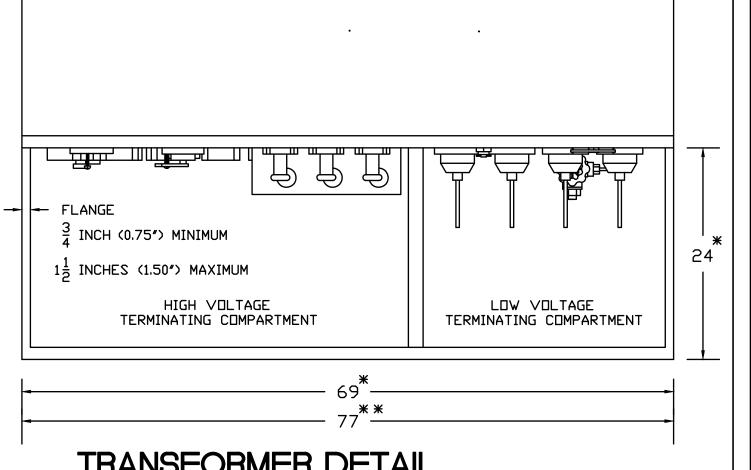
METER AND SURGE PROTECTOR. 65

KAIC RATED. SEE RISER NOTES.

- 6. ALL EXTERIOR EQUIPMENT TO BE IN NEMA 3R ENCLOSURES.
- 7. FURNISH AND INSTALL A NEW TRIMOUNT BRACKET WITH 3 EACH OUTDOOR TERMINTATORS FOR NEW PRIMARY CABLING. THIS CONTRACTOR IS RESPONSIBLE FOR TERMINATING THE PRIMARY CABLE ON THE AAMU OWNED PRIMARY. CONTRACTOR MAY REUSE EXISTING SWITCHES ON POWER POLE.
- 8. FURNISH AND INSTALL 3 EACH #4/0-1C-15KV TAPE SHIELD 133% INSULATION EPR CONDUCTORS IN A NEW 4" PVC CONDUIT. CONTRACTOR WILL NEED TO BORE UNDER EXISTING ROAD. TERMINATE CABLES AT EACH
- 9. FURNISH AND INSTALL EXTERIOR 1500 KVA 12470 DELTA-480Y/277 PAD MOUNTED TRANSFORMER. TRANSFORMER TO BE DEAD FRONT, +/- 2.5% TAPS, 95KV BIL, (HIGHSIDE), 30 KV BIL (LOWSIDE), MINERAL OIL FILLED, 3 PHASE 60 HZ. SEE SPECIFICATIONS AND DETAILS.
- 10. CONTRACTOR SHALL FURNISH AND INSTALL REBAR ENFORCED CONCRETE PAD PER DETAILS PROVIDED.

11. PRIMARY AND TRANSFORMER PAD SHALL BE INSPECTED BY ENGINEER PRIOR TO COVER UP.

- SHORT CIRCUIT, COORDINATION, AND ARC FLASH:
- . ACTUAL AVAILABLE FAULT CURRENT DATA WAS NOT OBTAINED FROM THE POWER COMPANY. E.C. IS TO OBTAIN FAULT CURRENT DATA FROM POWER COMPANY.
- 2. E.C. TO PROVIDE SHORT CIRCUIT, COORDINATION, AND ARC FLASH STUDIES FOR ALL NEW EQUIPMENT AS WELL AS EXISTING UPSTREAM EQUIPMENT.
- 3. STUDIES ARE TO START AT UTILITY SOURCE AND/OR GENERATOR AND INCLUDE ALL EXISTING UPSTREAM
- 4. E.C. IS RESPONSIBLE FOR COLLECTING ALL DATA NECESSARY TO COMPLETE STUDY.
- 5. STUDIES ARE TO BE PERFORMED USING SKM POWERWARE, EASYPOWER, OR ETAP SOFTWARE UNDER THE SUPERVISION OF A REGISTERED ENGINEER. ARC FLASH STUDIES SHALL BE CONSISTENT WITH IEEE 1584.
- 6. PROVIDE PRELIMINARY STUDY REPORT AT TIME OF POWER EQUIPMENT SUBMITTALS. POWER EQUIPMENT SUBMITTALS WILL BE REJECTED WITHOUT PRELIMINARY STUDY.
- 7. USE RESULTS OF STUDY TO SELECT AIC RATINGS, BREAKER TYPES, ETC. FOR POWER EQUIPMENT PRIOR TO
- ORDERING EQUIPMENT.
- 8. MARK EQUIPMENT PER BOTH NFPA 70 AND 70E TO INCLUDE, BUT NOT LIMITED TO, ARC FLASH LABELS.
- 9. PROVIDE FINAL STUDY REPORT AS PART OF CLOSE-OUT DOCUMENTATION (BOTH HARD COPY AND ELECTRONIC PDF FORM).



TRANSFORMER DETAIL HIGH/LOW VOLTAGE COMPARTMENT - NO DOORS NO SCALE

- 1. VALUES WITH AN ASTERISK (*) DENOTE MINIMUM DIMENSIONS. VALUES WITH AN ASTERISK (**) DENOTE MAXIMUM DIMENSIONS. ALL OTHER DIMENSIONS HAVE A TOLERANCE OF +/- 1/4 INCH (+/- 0.25").
- 2. TANK SHOWN WITHOUT COOLING FINS OR RADIATORS.
- 3. ALL DIMENSIONS ARE IN INCHES.

Gym

Elmore

☐ LAUNDRY ROOM PANEL*

NOTE 3 → WATER HEATER*

-NOTE 3-AIR UNIT RT-5∗ -NOTE 3- AIR UNIT RT-6∗ - NOTE 3- WATER HEATER∗

-NOTE 3-∃AIR UNIT HU-6* - NOTE 3-AIR UNIT HU-2

— NOTE 3—∃AIR UNIT HU-5*

_ NOTE 3 → AIR UNIT HU-4*

— NOTE 3—☐ COND. HU-1*

— NOTE 3—∃EXHAUST FAN NO. 16∗

_NOTE 3∃AIR UNIT HU-3

1. FOR UNKNOWN EQUIPMENT, INCLUDE 100' OF

3. NOTED EXISTING FEEDERS SHALL BE EXTENDED TO NEW BREAKERS IF EQUIPMENT IS STILL IN USE. EQUIPMENT NO LONGER N USE MAY BE CUT SHORT OF PANEL BOARD AND ABANDONED.

(* EQUIPMENT IS ASSUMED TO BE STILL IN

4. FEEDERS WITH A SIZE NOTED ARE TO BE NEW

FROM MBP TO THE PANEL OR TRANSFORMER.

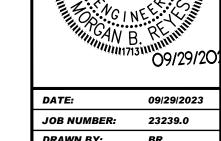
THE FEEDER NOTED FOR BID.

2. SEE RISER NOTES ON E0.1.

-NOTE 3-∃E.D. HEATER NO.19*

-NOTE 3- DUCT HEATER NO. 16∗ -NOTE 3-E.D. HEATER FOR RT-6∗ -NOTE 3 \longrightarrow E.D. HEATER FOR RT-5∗ − NOTE 3 \longrightarrow E.D. HEATER FOR RT-5*

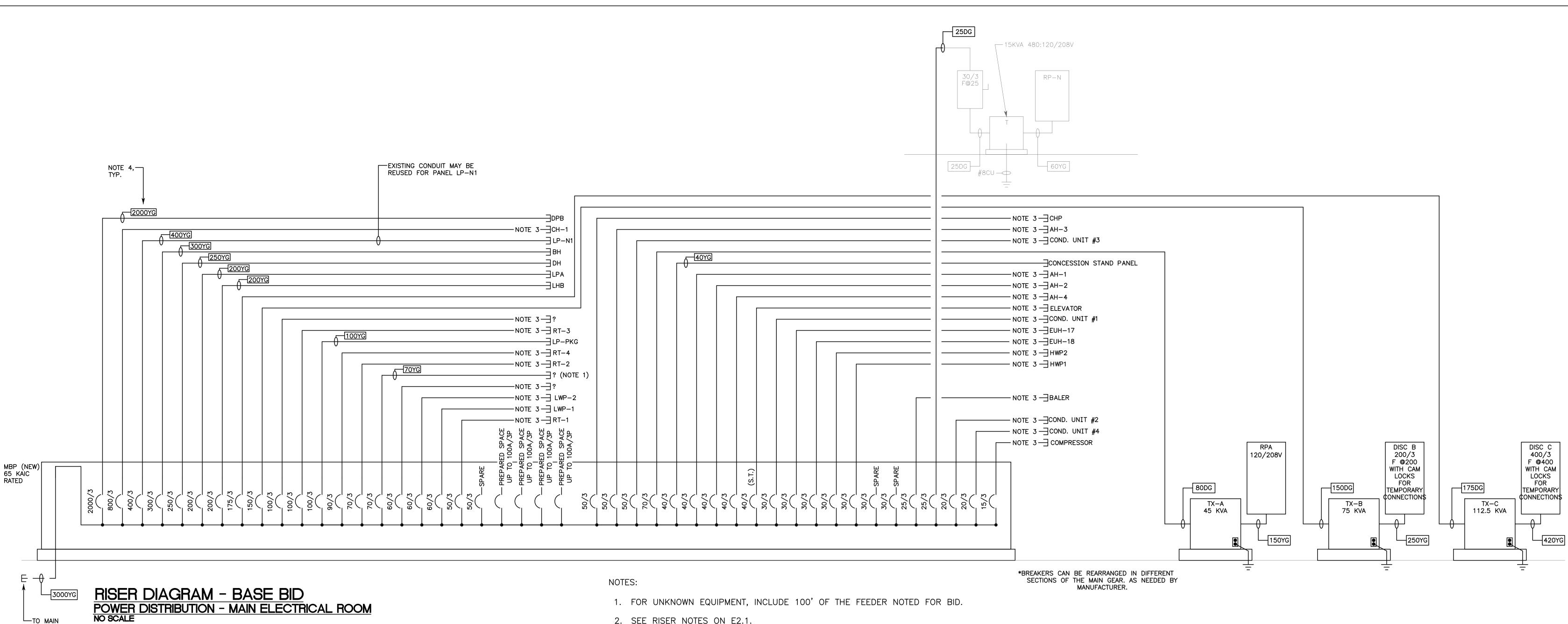
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DRAWN BY: BR RISER DIAGRAMS

DRAWING NO.

E2.2



2. SEE RISER NOTES ON E2.1.

2000A TO MBP ☐

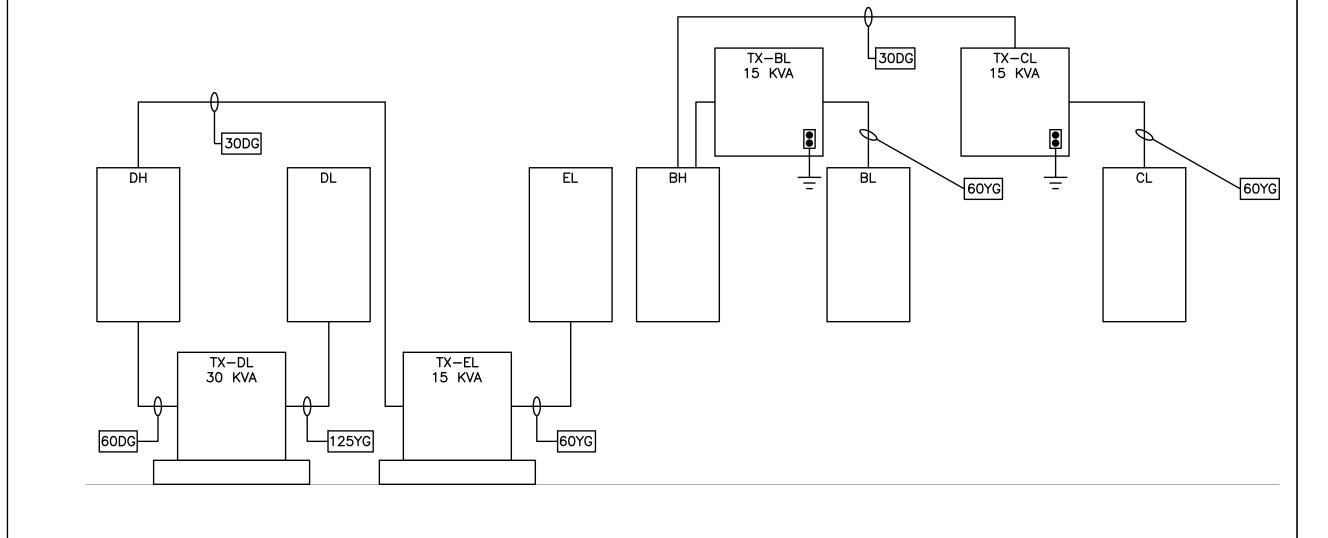
DPB, 2000A MLO, 480V/277V. 65 KAIC RATED (NEW)

- 3. NOTED EXISTING FEEDERS TO BE EXTENDED TO NEW BREAKERS. PROVIDE JUNCTION BOX FOR SPLICING AS NECESSARY.
- 4. FEEDERS WITH A SIZE NOTED ARE TO BE NEW FROM MBP TO THE PANEL OR

NOTE 4

RISER DIAGRAM - BASE BID

POWER DISTRIBUTION - POOL ELECTRICAL ROOM NO SCALE



ADDITIVE ALTERNATE #1 RISER POWER DISTRIBUTION NO SCALE

TO MAIN BREAKER

- 1. FOR ADDITIVE ALTERNATE REPLACE THE PANELS, TRANSFORMERS, AND FEEDERS FROM MBP SHOWN. SEE PANEL SCHEDULES. RECONNECT ALL EXISTING LOADS TO NEW PANEL. PANEL FEEDER FOR DH AND BH ARE IN THE BASE BID. IT IS ASSUMED THAT TX-BL AND TX-CL ARE SUSPENDED ABOVE THE CORRIDOR CEILING CURRENTLY AND SHOULD BE REPLACED IN THE SAME LOCATION.
- 2. SEE RISER NOTES ON E2.1.

NO. REVISION DATE

DRAWING TITLE:
PANEL SCHEDULES

E2.3

DRAWING NO.

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·		ACES PD1 AND C)		1					1					
/OLTAGE:		/208V PHASE/WIRE: 3P., 4W	٧.	MAIN E	BUS RATING: 150A MAIN CB TRIP: 150A MB MINIMUM BREAKER INTERRUPTING CAPACITY (RMS SYM AMPS): 22 KAIC									
MOUNTING: S	SURFACE							IG CAPA	CITY (RMS	SYM AMPS): 22 KAIC				
DEVICE: BRANCH CIRCUIT					PHASE LOA VOLT - AMP			В	BRANCH CIRCUIT	DEVICE:	_			
AMPS TRIP	POLES	DESIGNATION	VOLTS- AMPS	NO.	Ø A	Ø B	ÆC	NO.	VOLTS- AMPS	DESIGNATION	POLES	AMPS TRIF		
20	1	SPARE		1	0			2		SPARE	1	20		
20	1	SPARE		3		0		4		SPARE	1	20		
				5			0	6		SPARE	1	20		
30	3	EXISTING LOAD		7	0			8		SPARE	1	20		
				9		0		10		SPARE	1	20		
				11			0	12		SPARE	1	20		
30	3	LIGHTS, GYM		13	0			14		GOAL HOIST	1	20		
				15		0		16		SHOT CLOCK	1	20		
30	1	GYM LIGHTS		17			0	18		FIRE ALARM RECEPT	1	20		
20	1	RCPTS, ELECTRICAL ROOM & OUTSIDE MAIN		19	0			20		BAS CONTROLS	1	20		
20	1	SPARE		21		0		22		UPSTAIRS ACTUATOR	1	20		
20	1	SPARE		23			0	24		CHILLER HEAT TRACE	1	20		
00	0	PANEL C		25	0			26		CHILLER GFCI	1	20		
60	2	PANEL C		27		0		28		SPARE	1	25		
20	1	EXISTING LOAD		29			0	30		SPARE	1	20		
20	1	EXISTING LOAD		31	0			32		SPARE	1	25		
		EXISTING LOAD		33		0		34		SPARE	1	20		
15	3			35			0	36		SPARE	1	20		
				37	0			38		SPARE	1	20		
20	1	FIRE ALARM		39		0		40		SPARE	1	20		
200	0	EXISTING LOAD		41			0	42		SPARE	1	20		
20	2			43	0			44		SPARE	1	20		
		SPACE		45		0		46		SPARE	1	20		
		SPACE		47			0	48		SPARE	1	20		
		SPACE		49	0			50		SPARE	1	20		
		SPACE		51		0		52		SPARE	1	20		
		SPACE		53			0	54		SPARE	1	20		
		SPACE		55	0			56		SPARE	1	20		
		SPACE		57		0		58		SPARE	1	20		
		SPACE		59			0	60		SPARE	1	20		
				TOT::			_	TO	OTAL CONN	IECTED LOAD (AMPS): 0.00	*	•		
				TOTAL	0	0	0		REQUIR	ED AMPACITY (AMPS) 0.00				
					•	•	•			1				

KVA	FL AMPS	BKR SIZE	FDR	GROU	FORMER NDING	FL AMPS	BKR SIZE	F		
3PH	480V	(1)	(2)	ELECTR WIRE AWG	ODE (3) CONDUIT IN	208V	(1)	(
15	18	30	30DG	8	3/4	41.7	50	60		
30	36.1	50	60DG	6	3/4	83.3	100	12		
45	54.1	70	80DG	6	3/4	124.9	150	15		
75	90.2	125	150DG	2	3/4	208.2	250	25		
112.5	135.3	175	175DG	1/0	1	312.3	400	42		
150	180.4	225	225DG	1/0	1	416.4	500	50		
225	270.6	350	400DG	2/0	1	625.5	800	84		
NOTES: 1 — USE DEVICE TYPES INDICATED ON SINGLE LINE DIAGRAM. 2 — REFERENCE FEEDER TABLE FOR FEEDER SIZE 3 — PROVIDE COPPER GROUNDING ELECTRODE										

PANEL: DL (A					T										
VOLTAGE: MOUNTING:		/208V	PHASE/WIRE: 3P., 4W.		MAIN	BUS RATING MINIMUM E		NTERRUPTI	NG CAPA	CITY (RMS	MAIN CB TRIP: 100A MB S SYM AMPS): 22 KAIC				
DEVICE:							PHASE LOA VOLT - AMP				BRANCH CIRCUIT	DEVICE:			
	POLES		BRANCH CIRCUI DESIGNATION	VOLTS-	NO.			Ť	NO.	VOLTS-	DESIGNATION	POLES			
AMPS TRIP 20	1		RCPT, STAGE	AMPS	1	Ø A	Ø B	ÆC	2	AMPS	RCPT, RMS 34, 37, 40, 42	1	AMPS TRIF		
20	1	RCPTS	S, TELEPHONE BOARD		3		0		4		RCPT, RMS 34, 37, 40, 42	1	20		
20	1		EXISTING LOAD		5			0	6		RCPT, RMS 34, 37, 40, 42	1	20		
20	1		CPTS, CORRIDOR CPTS, CORRIDOR		7	0	0		10		RCPT, RMS 30, 31, 33, 36 RCPT, RMS 30, 31, 33, 36	1 1	20 20		
20	1		S, RM 106, BALCONY		9			0	12		EXISTING LOAD	1	20		
					13	0			14						
30	3		BLEACHERS		15		0		16		BLEACHERS	3	30		
20	1	(COKE MACHINES		17 19	0		0	18 20		SPARE	1	20		
20	1		COKE MACHINES		21		0		22		SPARE	1	20		
20	1	(COKE MACHINES		23			0	24		SPARE	1	20		
20	1		SPARE		25	0			26		SPARE	1	20		
20	1		SPARE SPARE		27 29		0	0	30		SPARE SPARE	1 1	20 20		
			OI / II C						Т	TAL CON	NECTED LOAD (AMPS): 0.00	<u> </u>			
					TOTAL	0	0	C		REQUIF	RED AMPACITY (AMPS) 0.00				
PANEL: EL (A	ADDITIVE AL	LTERNATE	E #1)												
OLTAGE:	120	/208V	PHASE/WIRE: 3P., 4W.		MAIN I	BUS RATING					MAIN CB TRIP: 50A MB				
IOUNTING:	FLUSH	<u> </u>							NG CAPA	CITY (RMS	SYM AMPS): 22 KAIC	_			
EVICE:			BRANCH CIRCUI				PHASE LOA VOLT - AMP				BRANCH CIRCUIT	DEVICE:			
MPS TRIP	POLES		DESIGNATION	VOLTS- AMPS	NO.	Ø A	Ø B	ÆC	NO.	VOLTS- AMPS	DESIGNATION	POLES	AMPS TRII		
20	1	RCP	TS, RMS 44,47,48,43		1	0			2		RCPTS, RMS 46,53,LOBBY	2	50		
20	1		, CORRIDOR & LOBBY		3		0		4						
20	1		, CORRIDOR & LOBBY		5			0	6		RCPTS, RMS 50,51,52 RCPTS, RMS 50,51,52	1	20 20		
20	1		FAN, BATH RM 111,		7	0			8		RCPTS, RMS 50,51,52	1			
20	1		BALCONY		9		0		10		RCP15, BALCONY	1	20		
20	1	EX.	SPARE FANS, #1 HII ROOF		11	0		0	12 14		RCPTS, BALCONY	2	30		
20	1		FANS, #2 HI ROOF		15	0	0		16		SPARE	1	20		
20	1	EX.	FANS, #3 HI ROOF		17			0	18		LOBBY WATER FOUNT	1	20		
20	1		IONIZER FANS		19	0			20		FCU #4, RM 45	1	20		
20	1		SPACE		21		0		22		SPARE	1	20		
20	1		SPARE SPARE		23 25	0		0	24 26		SPARE SPARE	1 1	20 20		
20	1		SPARE		27		0		28		SPARE	1	20		
20	1		SPARE		29			0	30		SPARE	1	20		
					TOTAL	0	0	-	TO		RED AMPACITY (AMPS): 0.00				
							<u> </u>				7 7 7, 0.00				
PANEL: EXT /OLTAGE:	1	/480V	PHASE/WIRE: 3P., 4W.		MAIN I	BUS RATING	3: 100A				MAIN CB TRIP: MLO				
MOUNTING:		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , , , , , , , , , , , , , , , , ,		1			NTERRUPTI	NG CAPA	CITY (RMS	SYM AMPS): 42 KAIC				
DEVICE:			BRANCH CIRCUI	Г			PHASE LOA VOLT - AMP			ı	BRANCH CIRCUIT	DEVICE:			
	POLES		DESIGNATION	VOLTS-	NO.	`		<u> </u>	NO.	VOLTS-	DESIGNATION	POLES			
AMPS TRIP				AMPS	1	Ø A	Ø B	ÆC	2	AMPS		. 5225	AMPS TRIF		
20	3		FCU #5, EDH #9		3		0		4		FCU #1, EDH #5	3	20		
					5			0	6						
00			CDADE		7	0			8		OT OURS HE : TEE				
20	3		SPARE		9		0	0	10		CT SUMP HEATER	3	20		
					13	0			14						
20	3		SPARE		15		0		16		SOCCER SB, N PL LIGHTS	3	20		
					17			0	18		00107				
20	3		WH ROOM 7		19 21	0	0		20		SPACE SPARE	1	20		
					23			0	24		SPARE	1	20		
					25	0			26		SPARE	1	20		
20	3		SPARE		27		0		28		SPACE				
					29 31	0		0	30		SPACE SPACE	-			
20	3		SPARE		33		0		34		SPACE	1			
					35			0	36		SPACE				
			SPACE		37	0			38		SPACE				
			SPACE SPACE		39		0		40		SPACE SPACE				
		<u> </u>	OFACE	<u> </u>	41			0	42 T0	L OTAL CON	NECTED LOAD (AMPS): 0.00		<u> </u>		
					TOTAL	0	0	C			RED AMPACITY (AMPS) 0.00				
PANEL: LPA	(NEW RFPI	ACES I HA	A AND EHA)	_						_	<u>'</u>	_	_		
/OLTAGE:		/480V	PHASE/WIRE: 3P., 4W.		MAIN I	BUS RATING	6: 200A				MAIN CB TRIP: MLO				
MOUNTING:			•		•				NG CAPA	CITY (RMS	SYM AMPS): 42 KAIC				
			BRANCH CIRCUI	Γ			PHASE LOA VOLT - AMP				BRANCH CIRCUIT	DEVICE:			
EVICF.			2.3.11011011001			 		<u>.</u>	1	VOLTS-					
	POLES		DESIGNATION	VOLTS-	NO.	~ .	~ ~		NO.		DESIGNATION	POLES	A		
	POLES	LIGH	DESIGNATION ITS, GYM, BALCONY	AMPS	NO.	Ø A	Ø B	ÆC		AMPS	DESIGNATION LIGHTS, GYM, BALCONY	POLES 1	AMPS TRII		
AMPS TRIP 20 20						Ø A 0	Ø B 0	ÆC	NO. 2				AMPS TRIF		
AMPS TRIP	1	LIGH LIGH	ITS, GYM, BALCONY		1			Æ C	2		LIGHTS, GYM, BALCONY	1	20		

20	1	SPARE		21		0		22		SPARE	1	20
20	1	SPARE		23			0	24		SPARE	1	20
20	1	SPARE		25	0			26		SPARE	1	20
20	1	SPARE		27		0		28		SPARE	1	20
20	1	SPARE		29			0	30		SPARE	1	20
			т.	OTAL	0	0	0	TO	OTAL CONN	IECTED LOAD (AMPS): 0.00		
				OTAL	0	0	0		REQUIR	ED AMPACITY (AMPS) 0.00		
		LTERNATE #1)										
VOLTAGE:		/480V PHASE/WIRE: 3P., 4W	, .	N 4 A I N I .	NIC DATING	. 1004				MAIN OR TRIP. MI O		
		7480V PHASE/WIKE, 3P., 4W	<u>'</u>	MAINE	BUS RATING		ITEDDI IDTIN	IG CAPA	CITY (PMS	MAIN CB TRIP: MLO SYM AMPS): 42 KAIC		
MOUNTING: S	SURFACE					PHASE LOA		IG CAFA	CITT (RIVIS	31 W AWF3). 42 KAIC	T	
DEVICE:		BRANCH CIRCU	IT			OLT - AMP			Е	BRANCH CIRCUIT	DEVICE:	
AMPS TRIP	POLES	DESIGNATION	VOLTS- AMPS	NO.	Ø A	Ø B	ÆC	NO.	VOLTS- AMPS	DESIGNATION	POLES	AMPS TR
				1	0			2		LIGHTS CORRIDOR	1	20
20	3	PANEL EL		3		0		4		EUH #14	1	20
				5			0	6		EUH #15	1	20
				7	0			8		LIGHTS, ROOMS 33-39	1	20
20	3	HU #6, ROOM 40A		9		0		10		LIGHTS, ROOMS 33-39	1	20
				11			0	12		LIGHTS, ROOMS 33-39	1	20
		SPARE		13	0			14		LIGHTS, BACK ENTRY	1	20
20	3			15		0		16		SPARE	1	20
				17			0	18		EUH #8	1	20
		EXISTING LOAD		19	0			20		EUH #16, FRONT ENTRY	1	20
20	3			21		0		22		LIGHTS, ROOMS 44-53	1	20
				23			0	24		LIGHTS, ROOM 43	1	20
				25	0			26		LIGHTS, ROOMS 44-53	1	20
20	3	HU #2		27		0		28		HEATER CLASSROOM #43	1	20
				29			0	30		SPARE	1	20
				31	0			32		SPARE	1	20
20	3	PANEL DL		33		0		34		SPARE	1	20
				35			0	36		SPARE	1	20
				37	0			38		SPARE	1	20
20	3	SPARE		39		0		40		SPARE	1	20
				41			0	42		SPARE	1	20
			т	OTAL	0	0	0	TO		IECTED LOAD (AMPS): 0.00		
			1,	JIAL	"				REQUIR	ED AMPACITY (AMPS) 0.00		

PANEL: BH (ADDITIVE ALTERNATE #1)

MOUNTING: FLUSH

DEVICE:

AMPS TRIP 20

50

50

50

50

50

20

20

50

20

20

20

PANEL: BL (ADDITIVE ALTERNATE #1)

MOUNTING: FLUSH

AMPS TRIP POLES

20 20

20

50

20 1

PANEL: CL (ADDITIVE ALTERNATE #1)

MOUNTING: FLUSH

AMPS TRIP POLES

20

20

30

DEVICE:

VOLTAGE: 120 /208V PHASE/WIRE: 3P., 4W.

DEVICE:

VOLTAGE: 120 /208V PHASE/WIRE: 3P., 4W.

20

50

50

277 /480V PHASE/WIRE: 3P., 4W.

DESIGNATION

EUH #5, BACK LOBBY

ROOM 7 HEAT AND AIR N

ROOM 7 HEAT AND AIR S

ROOM 5 HEAT AND AIR S

ROOM 4 HEAT AND AIR N

ROOM 4 & 5 HEAT AND AIR S

ROOM 2 HEAT AND AIR S

ROOM 1 HEAT AND AIR N

ROOM 1 HEAT AND AIR S

EUH #12, FRONT LOBBY

CLASSROOM LIGHTS

LIGHTS, CORRIDOR & LOBBY

LIGHTS, CLASSROOM #7

SPARE

UH #3, BATHROOM AND

BALCONY

TRANSFORMER #2, PANEL BH

SPARE

DESIGNATION

RCPTS, CLASROOM RCPTS, OFFICE

RCPTS, CORRIDOR & GYM

SCOREBOARD

SCOREBOARD

SCOREBOARD

BLEACHERS

EXISTING LOAD

SPARE

SPARE

SPARE SPARE

DESIGNATION

RCPTS, CLASS ROOM

RCPTS, CLASS ROOM

RCPTS, COORIDOR GYM

EXISTING LOAD

EXISTING LOAD

SPARE SPARE

SPARE

BRANCH CIRCUIT

BRANCH CIRCUIT

BRANCH CIRCUIT

VOLTS-AMPS

MAIN BUS RATING: 300A

13 0

15

37 0

TOTAL

TOTAL

13 0

19 0

VOLTS-AMPS

MAIN BUS RATING: 50A

 \emptyset A

PHASE LOAD (VOLT - AMPS)

 \varnothing B

VOLTS-AMPS

MAIN BUS RATING: 50A

PHASE LOAD (VOLT - AMPS)

 \varnothing B

PHASE LOAD (VOLT - AMPS) MAIN CB TRIP: MLO

DESIGNATION

ROOM 6 HEAT AND AIR N

SOUTH UNIT #6

NORTH UNIT #5

ROOM 3 HEAT AND AIR N

ROOM 3 HEAT AND AIR S

ROOM 2 HEAT AND AIR N

EUH #6, BACK LOBBY

EUH, BACK LOBBY

EUH #13, FRONT LOBBY

EUH #11, FRONT LOBBY

CLASSROOM LIGHTS #3

CLASSROOM LIGHTS

CLASSROOM LIGHTS

SPARE

LIGHTS, CLASSROOM

UH#1, ROOM 104

SPARE

SPARE

DESIGNATION

EXISTNG LOAD

RCPTS, BALCONY & ROOM 104

EXHAUST FAN ROOM 104

BLEACHERS

EXISTING LOAD

SCORE BOARD

SPARE

TOTAL CONNECTED LOAD (AMPS): 0.00

BRANCH CIRCUIT

REQUIRED AMPACITY (AMPS) 0.00

MAIN CB TRIP: 50A MB

DESIGNATION

RCPTS, CLASSROOM

HOT WATER CIRCULATOR PUMP

RCPTS, FRONT LOBBY

RCPTS, BALCONY

RCPTS, BALCONY

EXISTING LOAD

SPARE

SPARE

TOTAL CONNECTED LOAD (AMPS): 0.00

REQUIRED AMPACITY (AMPS) 0.00

MAIN CB TRIP: 50A MB

BRANCH CIRCUIT

DEVICE:

POLES AMPS TRIP

50

20

50

50

20

20

20

20

20

20

20

20

20

20

20

20

20

DEVICE:

DEVICE:

POLES AMPS TRIP

20

20 20

20

30

20

20

LIGHTS, STAIR WELL 2-4 LIGHTS SWIMMING POOL AREA,

ELEV LIGHTS

SPARE

37 0

TOTAL

20

POLES AMPS TRIP

20

20

20

20

30

20

20

BRANCH CIRCUIT

MINIMUM BREAKER INTERRUPTING CAPACITY (RMS SYM AMPS): 42 KAIC

MINIMUM BREAKER INTERRUPTING CAPACITY (RMS SYM AMPS): 22 KAIC

MINIMUM BREAKER INTERRUPTING CAPACITY (RMS SYM AMPS): 22 KAIC

20	1 1	COKE MACHINES		19	0			20		SPARE	1	20				
20	1	COKE MACHINES		21		0		22		SPARE	1	20				
20	1	COKE MACHINES		_		-	0			SPARE	1	20				
				23	-		0	24								
20	1	SPARE		25	0			26		SPARE	1	20				
20	1	SPARE		27		0		28		SPARE	1	20				
20	1	SPARE		29			0	30		SPARE	1	20				
	<u> </u>		<u> </u>				<u> </u>		OTAL CONA	IECTED LOAD (AMPS): 0.00	<u> </u>					
				TOTAL	0	0	0	<u> </u>								
						<u> </u>		<u> </u>	KEQUIR	ED AMPACITY (AMPS) 0.00						
PANFI · FI /^	DDITIVE A	TERNATE #1)														
· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·														
/OLTAGE:	120	/208V PHASE/WIRE: 3P., 4W.		MAIN E	SUS RATING			_		MAIN CB TRIP: 50A MB						
MOUNTING: I	FLUSH				MINIMUM E	BREAKER IN	ITERRUPTIN	IG CAPA	CITY (RMS	SYM AMPS): 22 KAIC						
					ı	PHASE LOA	D									
DEVICE:		BRANCH CIRCUIT	Г			VOLT - AMP			Е	BRANCH CIRCUIT	DEVICE:					
			VOLTS-				l		VOLTS-							
AMPS TRIP	POLES	DESIGNATION	AMPS	NO.	\emptyset A	Ø B	ÆC	NO.	AMPS	DESIGNATION	POLES	AMPS TRIP				
20	1	RCPTS, RMS 44,47,48,43		1	0			2								
	1	RCPTS, CORRIDOR & LOBBY		<u> </u>	0					RCPTS, RMS 46,53,LOBBY	2	50				
20		·		3		0		4								
20	1	RCPTS, CORRIDOR & LOBBY		5			0	6		RCPTS, RMS 50,51,52	1	20				
20	1	RCPTS, CORRIDOR & LOBBY		7	0			8		RCPTS, RMS 50,51,52	1	20				
20	1	EX. FAN, BATH RM 111,								RCPTS, BALCONY		20				
20	1	BALCONY		9		0		10		RCF13, BALCON1	1	20				
20	1	SPARE		11			0	12								
20	1	EX. FANS, #1 HII ROOF		13	0			14		RCPTS, BALCONY	2	30				
	-	·		_	U					00405						
20	1	EX. FANS, #2 HI ROOF		15		0		16		SPARE	1	20				
20	1	EX. FANS, #3 HI ROOF		17			0	18		LOBBY WATER FOUNT	1	20				
20	1	IONIZER FANS		19	0			20		FCU #4, RM 45	1	20				
		SPACE				0				SPARE	1	20				
				21		-		22								
20	1	SPARE		23			0	24		SPARE	1	20				
20	1	SPARE		25	0			26	L	SPARE	1	20				
20	1	SPARE		27		0		28		SPARE	1	20				
20	1	SPARE		 			0	30		SPARE	1	20				
20	I '	SFARE		29			0		<u> </u>		<u> </u>	I 20				
				TOTAL	0	0	0	TC		IECTED LOAD (AMPS): 0.00						
				. JIAL					REQUIR	ED AMPACITY (AMPS) 0.00						
						•	<u> </u>									
PANEL: EXT ((N)			_				_								
/OLTAGE:	277	/480V PHASE/WIRE: 3P., 4W.		MAIN F	BUS RATING	G: 100A				MAIN CB TRIP: MLO						
MOUNTING: S							ITERRUPTIN	IG CAPA	CITY (RMS	SYM AMPS): 42 KAIC						
NOUNTING: S	JUNI AUE							2 3, 11 7	(1 (17)	2,. 1210110						
DEVICE:		BRANCH CIRCUIT	г			PHASE LOA VOLT - AMP			-	BRANCH CIRCUIT	DEVICE:					
PEVIOE:				1	('	. 321 - 711117	-, 									
AMPS TRIP	POLES	DESIGNATION	VOLTS- AMPS	NO.	Ø A	Ø₿	ÆC	NO.	VOLTS- AMPS	DESIGNATION	POLES	AMPS TRIP				
AIVII O TIVII			Aivii O			\mathcal{D} B	7.0		AIVII O			AWI O ITAI				
				1	0			2								
20	3	FCU #5, EDH #9		3		0		4		FCU #1, EDH #5	3	20				
				5			0	6								
					0		-									
				7	0			8								
20 3	SPARE		9		0		10		CT SUMP HEATER	3	20					
			11			0	12									
								13	0			14				
00	_	00405			0					000055 05 N 51 1 01 170						
20	3	SPARE		15		0		16		SOCCER SB, N PL LIGHTS	3	20				
				17			0	18								
				19	0			20		SPACE						
20	3	WH ROOM 7								SPARE	1	20				
20	3	WH ROOM 7		21		0		22								
				23			0	24		SPARE	1	20				
				25	0			26		SPARE	1	20				
20	3	SPARE		27		0		28		SPACE						
20		OI / II C		 		0										
				29			0	30		SPACE						
			<u></u> _	31	0			32	<u></u>	SPACE	<u> </u>	<u> </u>				
20	3	SPARE		33		0		34		SPACE						
				35			0	36		SPACE						
		02:0-					U									
		SPACE		37	0			38		SPACE						
	<u> </u>	SPACE	<u></u>	39		0		40	L_	SPACE	<u> </u>	<u> </u>				
		SPACE		41			0	42		SPACE						
				'					TAL CON	IECTED LOAD (AMPS): 0.00						
				TOTAL	0	0	0	` `								
								<u> </u>	KEQUIR	ED AMPACITY (AMPS) 0.00						
OANEL L DA	(NEW DED)	ACES LHA AND EHA)														
		,		1												
/OLTAGE:	277	/480V PHASE/WIRE: 3P., 4W.		MAIN E	BUS RATING					MAIN CB TRIP: MLO						
MOUNTING: S	SURFACE				MINIMUM E	BREAKER IN	NTERRUPTIN	IG CAPA	CITY (RMS	SYM AMPS): 42 KAIC						
						PHASE LOA										
DEVICE:		BRANCH CIRCUIT	Γ			VOLT - AMP			F	BRANCH CIRCUIT	DEVICE:					
	Ba: -		VOLTS-		`				VOLTS-							
AMPS TRIP	POLES	DESIGNATION	AMPS	NO.	\emptyset A	Ø B	ÆC	NO.	AMPS	DESIGNATION	POLES	AMPS TRIP				
20	1	LIGHTS, GYM, BALCONY		1	0			2		LIGHTS, GYM, BALCONY	1	20				
20	1	LIGHTS, GYM, BALCONY								LIGHTS, GYM, BALCONY	1	20				
	-			3		0		4								
20	1	LIGHTS, GYM, BALCONY		5			0	6		LIGHTS, GYM, BALCONY	1	20				
20	1	LIGHTS, GYM, BALCONY		7	0			8		LIGHTS, GYM, BALCONY	1	20				
20	1	LIGHTS, GYM, BALCONY, MAIN		9		0		10		LIGHTS, GYM, BALCONY	1	20				
20	1	LIGHTS, GYM, BALCONY		11			0	12		LIGHTS, GYM, BALCONY	1	20				
20	1	LIGHTS, GYM, BALCONY, MEZ.		40				,,		LIGHTS, ROOMS 104-106,	1	20				
	<u> </u>			13	0			14		BALCONY						
20	1	LIGHTS, ROOMS 104-106, GYM,		1]_		,,		ELECTRICAL ROOM LTG	1	20				
	<u> </u>	MEZ		15		0		16			<u> </u>					
20	1	LGHTS, STAGE					I.			LIGHTS, STAGE, PARKING LOT.	1	20				
	<u> </u>			17			0	18		FRONT (S)	<u> </u>					
20	1	SPARE		19	0			20		EAST UPSTAIRS OFFICE LIGHTS	1	20				
20	1	LIGHTS, MECHANICAL ROOM		21		0		22	İ	LIGHTS, OUTSIDE EAST SIDE	1	20				
		· ·		 						·						
20	1	HEATER, BATH ROOM #8		23			0	24		SPARE	1	20				
20	1	HEATER, BATH ROOM #9		25	0			26		SPARE	1	20				
20	1	LIGHTS OUTSIDE BUILDING		27		0		28		SPARE	1	20				
	1			29			0				1					
20	'	LIGHTS OUTSIDE BUILDING LIGHTS, STAIR WELL 2-4					U	30	<u> </u>	SPARE	'	20 20				
20	_			31	0			32		LIGHTS, STAIR WELL 1-3		_				

LIGHTS, STAIR WELL 1-3 LIGHTS, STAIR WELL 1-3

LIGHTS, SWIMMING POOL AREA,

ELEV LIGHTS

SPARE

TOTAL CONNECTED LOAD (AMPS): 0.00

REQUIRED AMPACITY (AMPS) 0.00

38

20

20

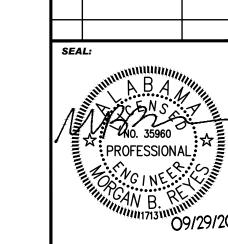


DRAWING NO. E3.1

TX-BL ABOVE CEILING LOAD CENTER TO REMAIN. _LAUNDRY ROOM PANEL POOL SWITCHGEAR— LOAD CENTER TO REMAIN ATHLETIC TRAINING FACILITY TX-CL ABOVE CEILING WOMEN'S SHOWER __15KVA AND 2X20/1 ECB TO REMAIN

MEN'S TOILET





DRAWN BY: BR

CHECKED BY: MBR

DRAWING TITLE:

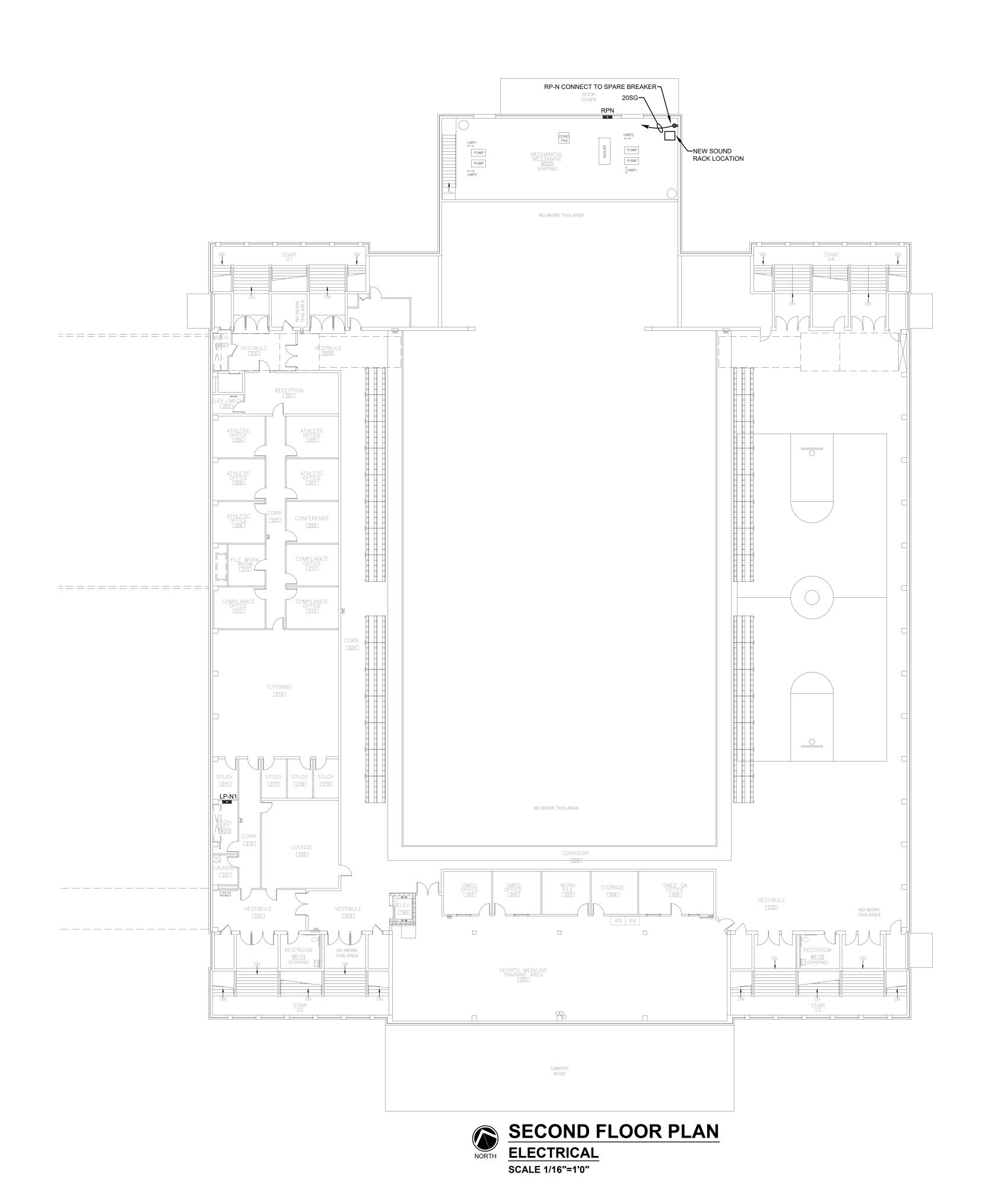
SECOND FLOOR

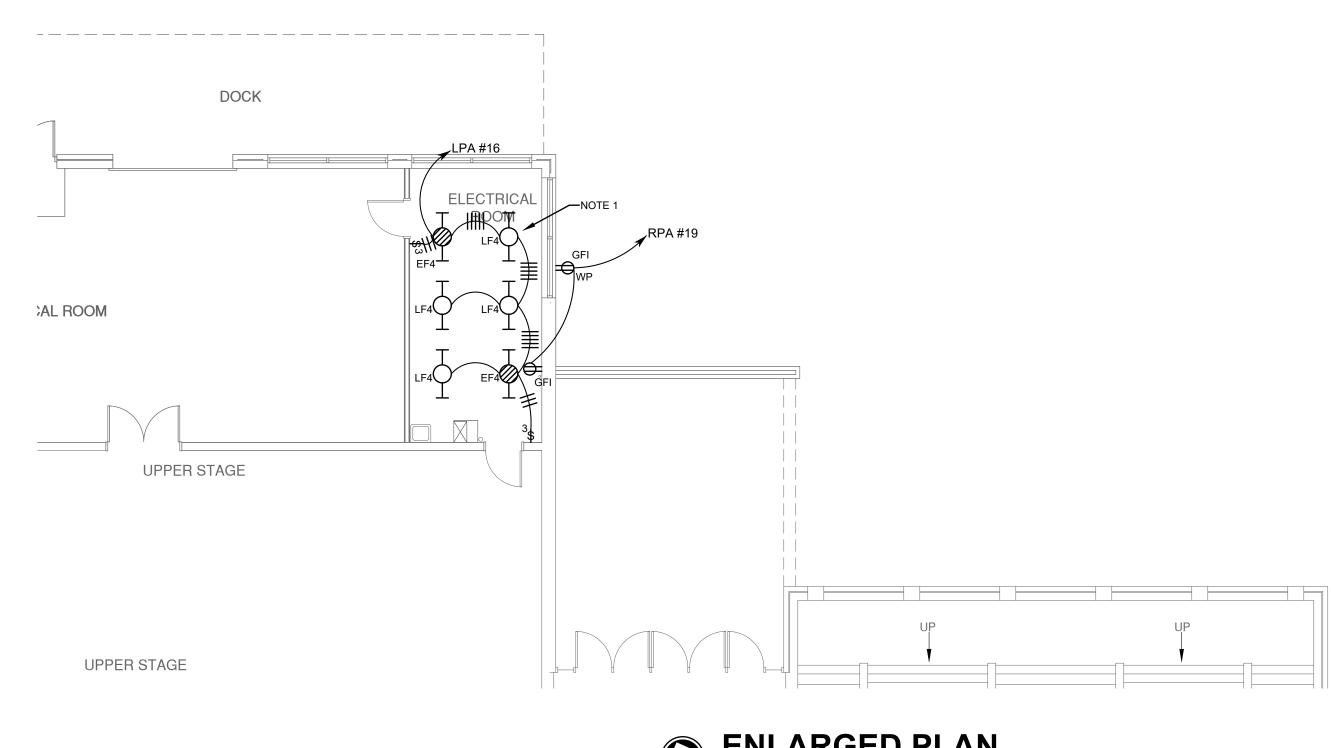
PLAN AND

ENLARGED PLANS

DRAWING NO.

E3.2

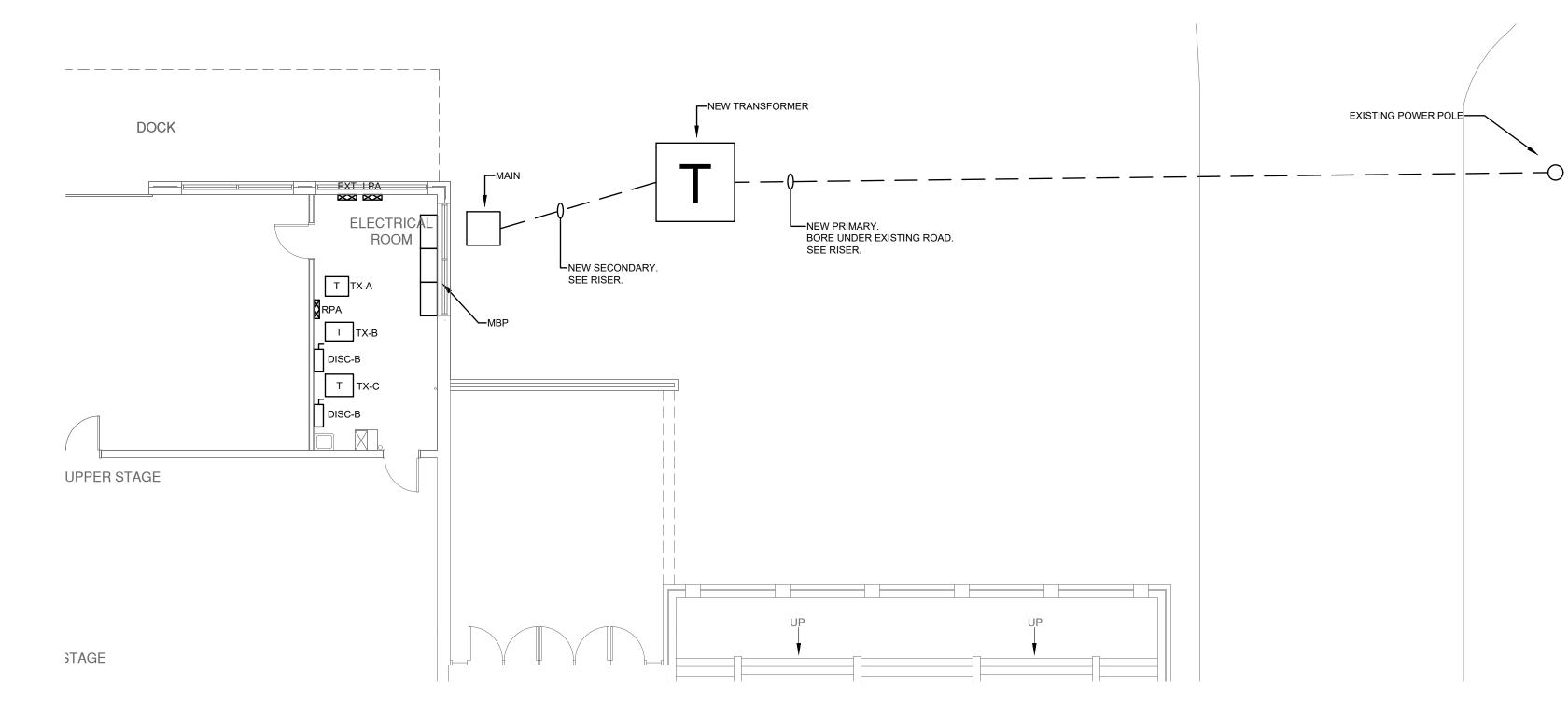




SCALE 1/8"=1'0"

NOTES:

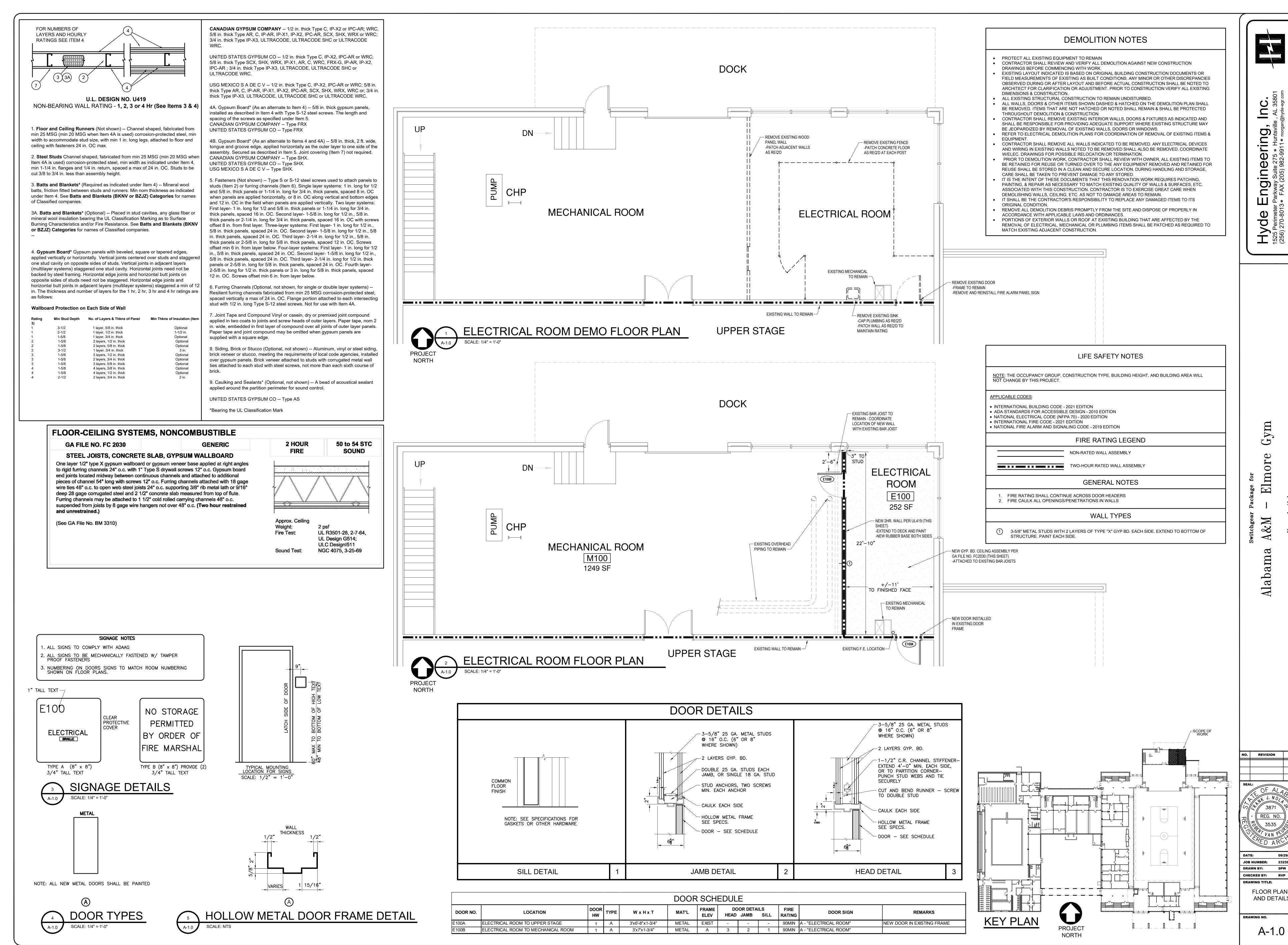
LF4/EF4 FIXTURES ARE 4' LED STRIP LIGHTS. THESE ARE TO BE EQUAL TO METALUX#4SNX-26SL-LN-UNV-CC83-CD-1-EL10W-U. EMERGENCY BATTERY WILL BE REQUIRED ONLY FOR EF4 FIXTURES.



ENLARGED PLAN

ELECTRICAL - NEW

SCALE 1/8"=1'0"



REVISION DATE

FLOOR PLANS AND DETAILS