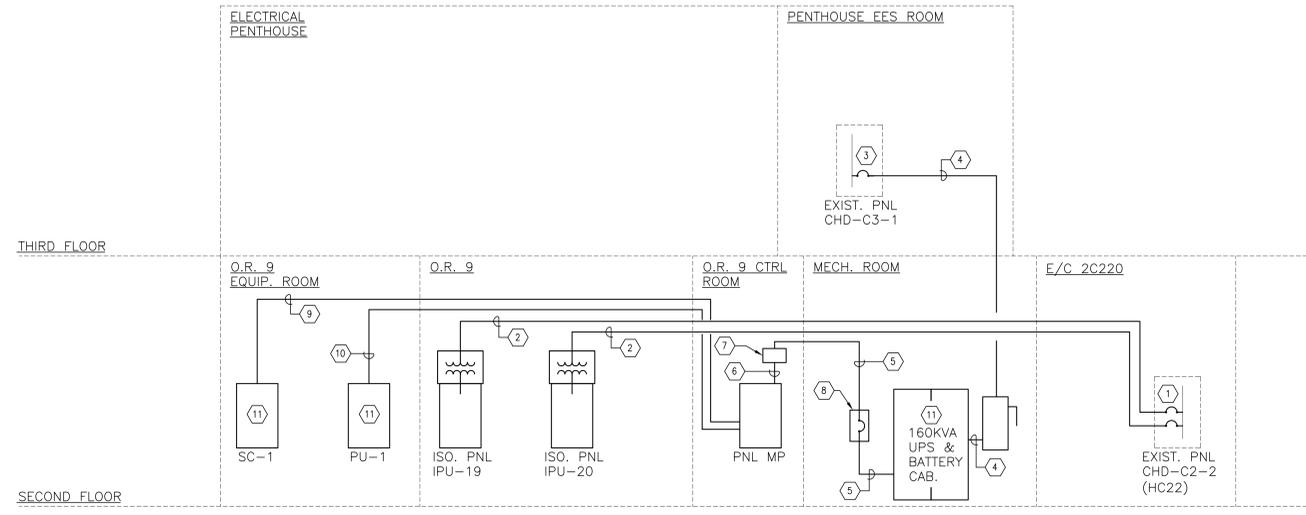


SHEET NOTES

- A. CONTRACTOR SHALL PROVIDE PULL BOXES AS REQUIRED BY NEC TO ACCOMPLISH FEEDER INSTALLATIONS.
- B.

SHEET KEYNOTES

- 1. PROVIDE NEW 35A 1P BREAKERS IN EXIST. PANEL TO FEED NEW ISOLATION PANELS. NEW BREAKERS SHALL MATCH EXIST.
- 2. 2#8, 1#8G, IN 1" C.
- 3. PROVIDE NEW LSIA 300A 3P BREAKER IN EXIST. PANEL (CHD-C3-1, 800A MCB, 100KAC BREAKERS) TO FEED NEW PANEL "MP". BREAKER SHALL MATCH EXISTING.
- 4. (2) 2" C. EACH WITH 3#1/0, #1/0G.
- 5. (2) 2" C. EACH WITH 4#1/0, #1/0G.
- 6. 4#2, #2G, IN 1-1/4" C.
- 7. PROVIDE JUNCTION BOX WITH POWER DISTRIBUTION BLOCKS SIZED AS REQUIRED FOR THE SPECIFIED CONDUCTOR SIZES.
- 8. PROVIDE 100% RATED 250A 3P BREAKER IN NEMA 1 ENCLOSURE.
- 9. 4#8, #8C IN 1" C.
- 10. 4#3, #3G IN 1-1/4" C.
- 11. THIS EQUIPMENT TO PROVIDED BY XRAY EQUIPMENT VENDOR. CONTRACTOR SHALL COORDINATE EXACT CONNECTION REQUIREMENTS WITH APPROVED SHOP DRAWINGS.



1 NEW WORK - POWER RISER DIAGRAM
SCALE: N.T.S.

NAMEPLATES FOR NORMAL BRANCH EQUIPMENT SHALL BE LAMINATED BLACK PHENOLIC RESIN WITH SOLID WHITE CORE WITH ENGRAVED LETTERING MINIMUM OF 1/4 INCH HEIGHT. NAMEPLATES FOR ESSENTIAL BRANCH EQUIPMENT SHALL BE LAMINATED RED WITH WHITE CORE.

ENGRAVE THE FOLLOWING INFORMATION ON EACH EQUIPMENT IDENTIFICATION NAMEPLATE, SIMILAR TO THAT SHOWN IN THE EXAMPLES, EXCEPT APPROPRIATE FOR THE SPECIFIC EQUIPMENT BEING IDENTIFIED:

1. IN THE FIRST LINE, INDICATE THE EQUIPMENT TYPE AND IDENTIFICATION NUMBER (OLD AND NEW).
2. IN THE SECOND LINE, INDICATE THE EQUIPMENT VOLTAGE, THE PHASE, AND THE NUMBER OF WIRES.
3. IN THE THIRD/FOURTH LINE, INDICATE THE WORDS "SERVED FROM" EQUIPMENT AND THE BRANCH FOLLOWED BY THE SERVICE CIRCUIT.
 - 3.1. IF MULTIPLE SOURCES SERVE THE EQUIPMENT, LIST ALL SOURCES ON SUCCEEDING LINES.
 - 3.2. IF THE EQUIPMENT IS SUPPLIED THROUGH AUTOMATIC TRANSFER SWITCHES AND TRANSFORMERS OR OTHER ITEMS WITHOUT DISCONNECTS, INCLUDE DATA ON ALL UPSTREAM DISCONNECTS; AND BENEATH THE SOURCES ADD THE WORD "THROUGH" FOLLOWED BY THE NAME OF THE EQUIPMENTS THAT THE SOURCES ARE CONNECTED THROUGH.

POWER PANELBOARD NHP-C6-1 (6ESH)
208Y/120 VOLTS, 3-PHASE, 4-WIRE
SERVED FROM
NHP-C7-5 (7ESH), CIRCUITS 1,3,5

ISOLATION PANELBOARD IPU-19
120 VOLTS, 1-PHASE, 4-WIRE
SERVED FROM
CDH-C2-2 (HC22), CIRCUITS 1,3,5
THROUGH TRANSFORMER IPU-19

2 EQUIPMENT NAMEPLATE DETAIL
SCALE: N.T.S.

EQUIPMENT SCHEDULE								
MARK	DESCRIPTION	CIRCUIT	BKR	FEEDER	VOLTS/φ	DISCONNECT	STARTER(S)	FLA
AC-1	EQUIP. ROOM AIR HANDLER UNIT	CRITICAL CIRCUIT, SEE PLAN.	25	4#10, #10G IN 3/4" C.	480/3	30A, 600V, 3P, HD, NF DISC. SW, NEMA 1 ENCL.	INCLUDED WITH EQUIP.	15.8
CU-1	EQUIP. ROOM CONDENSING UNIT	CRITICAL CIRCUIT, SEE PLAN.	20	4#10, #10G IN 3/4" C.	480/3	30A, 600V, 3P, HD, NF DISC. SW, NEMA 3R ENCL.	INCLUDED WITH EQUIP.	11.7
UPS-1	160KVA UPS XRAY POWER SUPPLY	CRITICAL CIRCUIT, SEE PLAN.	300	SEE RISER ON THIS SHEET	480/3	400A, 600V, 3P, HD, NF DISC. SW, NEMA 1 ENCL.	NOT/APPLICABLE	210

NOTE: CONDUCTOR, RACEWAY, BKR, AND DISC. SW. SIZES INDICATED IN SCHEDULE ABOVE, ARE BASIS OF DESIGN VALUES. EXACT ELECTRICAL EQUIPMENT SIZES AND RATINGS SHALL BE PROVIDED, BASED ON THE APPROVED HVAC SHOP DRAWINGS AND THE HVAC EQUIPMENT MANUFACTURER'S NAMEPLATE M.O.C.P. (MAXIMUM OVERCURRENT PROTECTION) VALUE. CONTRACTOR SHALL CONFIRM REQUIREMENTS FOR NEUTRAL CONDUCTORS TO 3-PHASE LOADS WITH APPROVED SHOP DRAWINGS.

FINAL SUBMITTAL
APPROVED FOR CONSTRUCTION

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Revisions:	Date			Approved: Project Director	Location Atlanta, Georgia	Building Number
				Date APRIL 30, 2014	Checked RAH	Drawn KLL
						Drawing Number E400 33 of 36

Office of
Construction
and Facilities
Management

