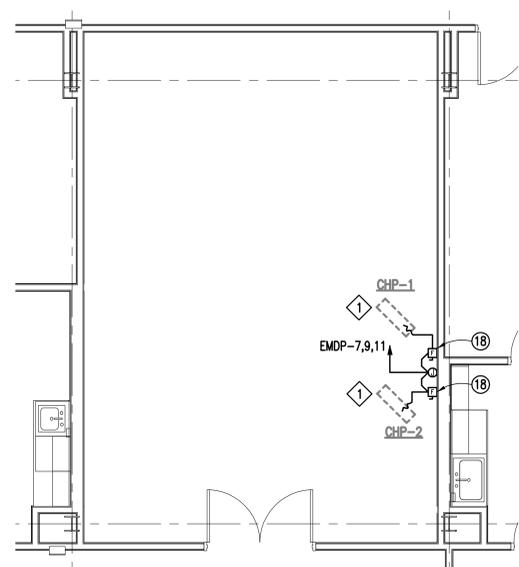
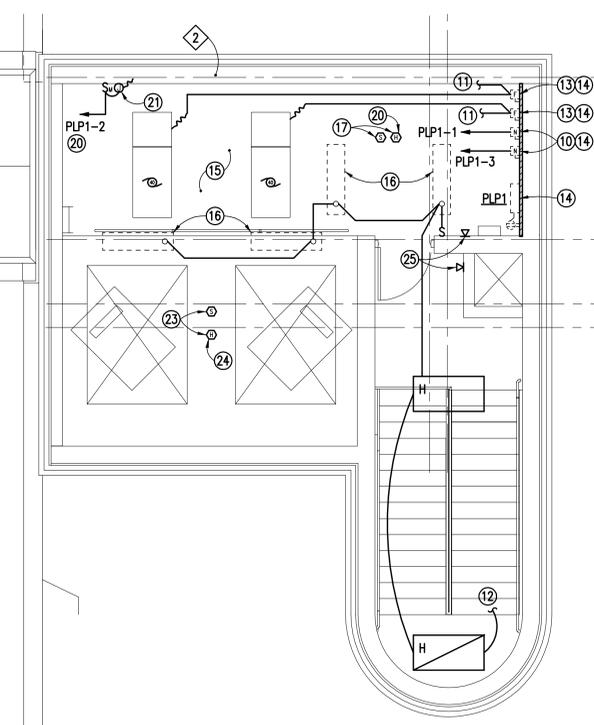


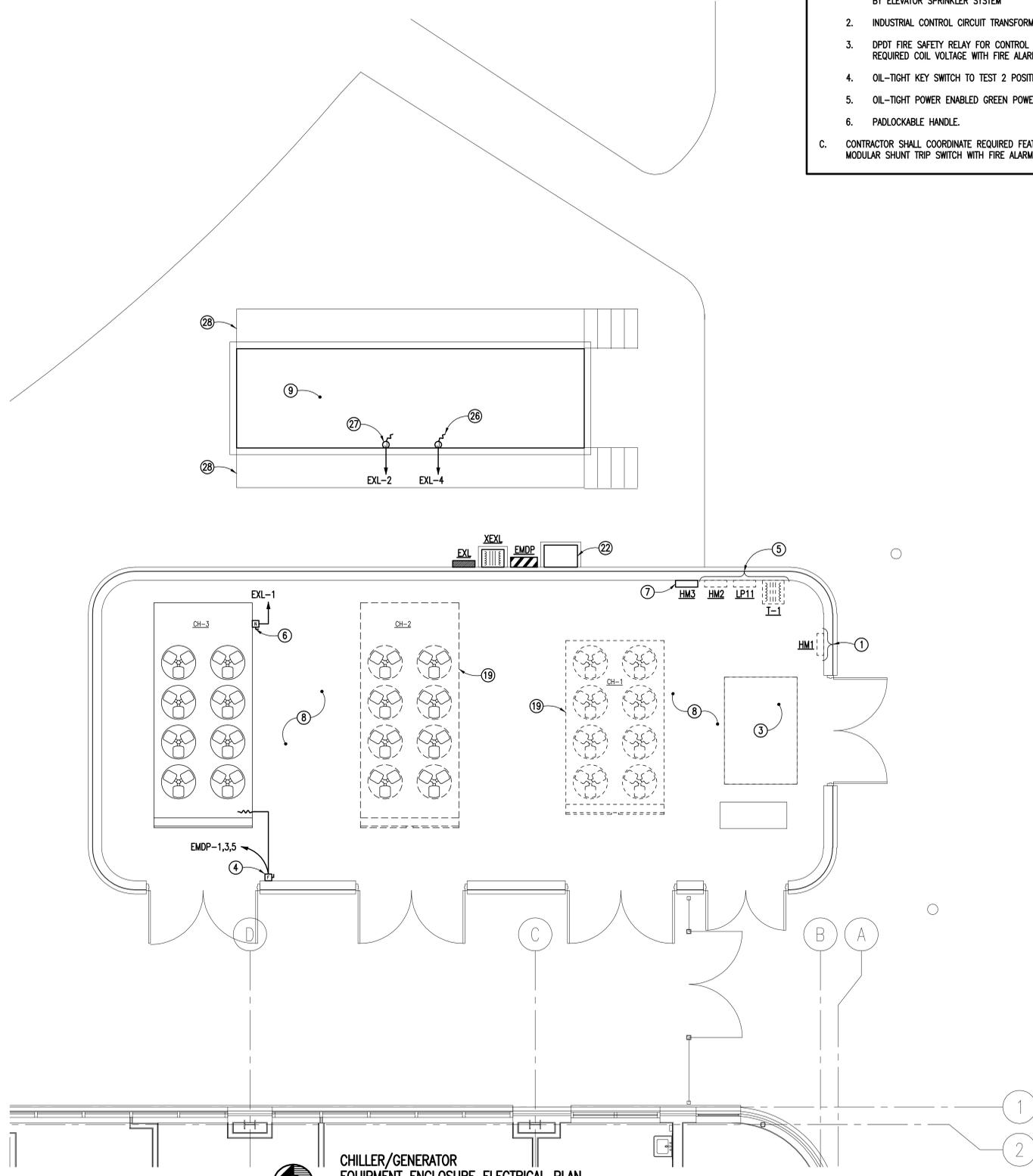
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 Plotted Date: Apr 20, 2015 10:08am
 one-eighth inch = one foot



**BASEMENT MECHANICAL ROOM BS-23
 CHP-1 AND CHP-2 REPLACEMENT ELECTRICAL PLAN**
 SCALE: 1/4" = 1'-0"



**ELEVATOR EQUIPMENT
 ROOM ELECTRICAL PLAN**
 SCALE: 1/4" = 1'-0"



**CHILLER/GENERATOR
 EQUIPMENT ENCLOSURE ELECTRICAL PLAN**
 SCALE: 1/4" = 1'-0"

- ELEVATOR GENERAL NOTES:**
- A. CONTRACTOR SHALL PROVIDE FUSIBLE MODULAR SHUNT TRIP SWITCH IN TYPE NEMA 1 ENCLOSURES WITH RATINGS AND TYPE J FUSING AS SHOWN ON THE DRAWINGS FOR ELEVATOR. BASIS OF DESIGN IS COOPER BUSMANN QUIK-SPEC POWER MODULE SWITCH, OR FERRAZ-SHAMMUT FUSIBLE SHUNT TRIP DISCONNECT SWITCH. PROVIDED FEATURES SHALL INCLUDE, BUT NOT BE LIMITED TO:
 1. SHUNT TRIP FUNCTION FOR REMOTE TRIPPING OF LINE POWER TO ELEVATOR CONTROLLERS PRIOR TO THE APPLICATION OF WATER BY ELEVATOR SPRINKLER SYSTEM
 2. INDUSTRIAL CONTROL CIRCUIT TRANSFORMER, 480V PRIMARY.
 3. DPOT FIRE SAFETY RELAY FOR CONTROL INTERFACE. COORDINATE REQUIRED COIL VOLTAGE WITH FIRE ALARM SYSTEM.
 4. OIL-TIGHT KEY SWITCH TO TEST 2 POSITION SELECTOR SWITCH.
 5. OIL-TIGHT POWER ENABLED GREEN POWER LIGHT.
 6. PADLOCKABLE HANDLE.
 - C. CONTRACTOR SHALL COORDINATE REQUIRED FEATURES OF EACH FUSIBLE MODULAR SHUNT TRIP SWITCH WITH FIRE ALARM CONTRACTOR.

- DEMOLITION NOTES:**
(THIS SHEET ONLY)
- 1 DISCONNECT AND REMOVE ALL ELECTRICAL ASSOCIATED WITH EXISTING CHP'S BACK TO PANEL FEEDING. LEAVE BREAKER IN PANEL AND RELABEL AS SPARE.
 - 2 EXISTING ELEVATOR EQUIPMENT ROOM IS BEING DEMOLISHED AND REBUILT ABOVE FOURTH FLOOR ADDITION. CONTRACTOR SHALL DISCONNECT, REMOVE, AND REUSE ELECTRICAL EQUIPMENT AS DESCRIBED IN NEW WORK NOTES. ALL REMAINING ELECTRICAL SHALL BE DISCONNECTED AND REMOVED. CONTRACTOR MAY REUSE EXISTING DEVICES AND CONDUIT WHERE POSSIBLE AT NEW ELEVATOR EQUIPMENT ROOM.

- NOTES:**
(THIS SHEET ONLY)
- 1 EXISTING SQUARE 'D' 1-LINE TYPE 480V/277, 3ø, 4W, 800 AMP M.B. ELECTRICAL PANEL HM1 TO REMAIN. HM1 IS SERVICE ENTRANCE RATED AND HAS 65K A.I.C. RATING.
 - 2 EXISTING SQUARE 'D' NOOD 208V/120, 3ø, 4W 50 AMP M.B. ELECTRICAL PANEL LP11 TO REMAIN.
 - 3 EXISTING 1500KVA PAD MOUNTED TRANSFORMER TO REMAIN.
 - 4 600 AMP/3 POLE/NEMA 3R FUSED DISCONNECT, FUSED AT 450 AMPS. MAKE ALL CONNECTIONS TO CHILLER AS REQUIRED.
 - 5 EXISTING ELECTRICAL INSTALLATIONS AT HVAC COURTYARD TO REMAIN "AS-IS".
 - 6 30 AMP/2 POLE/NEMA 3R NON-FUSED DISCONNECT FOR CHILLER 120V POWER CIRCUITS. COORDINATE EXACT MOUNTING LOCATION, NOT TO INTERFERE WITH CHILLER OPERATION OR ACCESS DOORS. MAKE ALL CONNECTIONS AS REQUIRED.
 - 7 800 AMP/3 POLE/NEMA 3R ENCLOSED CIRCUIT BREAKER.
 - 8 COORDINATE EXACT ROUTING OF NEW ELECTRICAL CIRCUITS, ETC. IN THIS COURTYARD NOT TO INTERFERE WITH EXISTING INSTALLATIONS AND TO COORDINATE WITH POSSIBLE FUTURE ROUTINGS.
 - 9 PROVIDE NEW 500 KVA, 277/480V, 3ø DIESEL GENERATOR, WITH 3600 GALLON SKID MOUNTED FUEL TANK.
 - 10 30 AMP/2 POLE NON-FUSED DISCONNECT. MAKE ALL CONNECTIONS TO ELEVATOR LIGHTING CIRCUIT AS REQUIRED.
 - 11 ROUTE 3ø, 1, #8G, 1-1/2" C TO CEILING OF SECOND FLOOR STAIRWELL AREA AND INTERCEPT EXISTING FEEDER FROM PANEL NSBX.
 - 12 MAKE CONNECTIONS TO EXISTING LIGHTING CIRCUIT AT STAIRWELL AREA ON FLOORS BELOW.
 - 13 FUSIBLE MODULAR SHUNT TRIP SWITCH FOR POWER CONNECTION TO ELEVATOR CONTROLLERS. PROVIDE ALL CONDUIT AND CONDUCTORS AS REQUIRED AND MAKE ALL CONNECTIONS TO ELEVATOR CONTROLLERS.
 - 14 EXISTING EQUIPMENT TO BE RELOCATED FROM DEMOLISHED ELEVATOR EQUIPMENT ROOM.
 - 15 EXACT LOCATION OF LIGHT FIXTURES IN ELEVATOR EQUIPMENT ROOM TO BE FIELD COORDINATED TO AVOID ELEVATOR EQUIPMENT TO BE INSTALLED AND OTHER EQUIPMENT. LAYOUT TYPE 'C' FIXTURES TO PROVIDE EVEN DISTRIBUTION IN ROOM.
 - 16 EXISTING LIGHTING FIXTURE BEING RELOCATED FROM DEMOLISHED ELEVATOR EQUIPMENT ROOM.
 - 17 SMOKE AND HEAT DETECTORS IN CEILING OF MACHINE ROOM.
 - 18 60 AMP/3 POLE FUSED DISCONNECT, FUSED AT 50 AMPS. MAKE ALL CONNECTIONS TO NEW CHILLED WATER PUMP AS REQUIRED.
 - 19 EXISTING CHILLER TO REMAIN.
 - 20 PROVIDE CONNECTION TO FIRE ALARM SYSTEM FOR DAMPER.
 - 21 POWER CONNECTION TO MOTORIZED DAMPER. COORDINATE EXACT LOCATION PRIOR TO INSTALLATION.
 - 22 800 AMP, 480V, 3ø, AUTOMATIC TRANSFER SWITCH, IN A NEMA 3R ENCLOSURE.
 - 23 SMOKE AND HEAT DETECTOR IN CEILING OF ELEVATOR SHAFT.
 - 24 HEAT DETECTOR SHALL ACTIVATE SHUNT TRIP FOR ELEVATOR.
 - 25 DEDICATED FIREFIGHTER TWO WAY COMMUNICATIONS PHONE OUTLET. CONTRACTOR SHALL COORDINATE EXACT LOCATION PRIOR TO INSTALLATION AND ROUTE NECESSARY CABLING BACK TO FACP AS REQUIRED FOR A COMPLETE SYSTEM.
 - 26 POWER CONNECTION TO BATTERY CHARGER AT GENERATOR. COORDINATE EXACT LOCATION AND MAKE ALL CONNECTIONS AS REQUIRED.
 - 27 POWER CONNECTION TO JACKET HEATER AT GENERATOR. COORDINATE EXACT LOCATION AND MAKE ALL CONNECTIONS AS REQUIRED.
 - 28 PROVIDE 3' WIDE, MAINTENANCE/ACCESS WALKWAYS ON BOTH SIDES OF NEW GENERATOR.

Revisions: Date:	CONSULTANTS: CLARK•NEXSEN 440 MARTIN LUTHER KING, JR. BLVD. MACON, GA 31201 478-743-8415 FAX 478-743-8239 WWW.CLARKNEXSEN.COM		ARCHITECT: TOLAND MIZELL MOLNAR 590 Means Street NW, Suite 200 Atlanta, GA 30318 404.214.9774	Drawing Title: COURTYARD, ELEVATOR EQUIPMENT, & ROOM B5-23 ELECTRICAL PLANS	Project Title: EXPAND RADIOLOGY AND SPS OVERTON BROOKS VAMC	Project Number: 667-083	OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT
				Approved: Project Director	Location: SHREVEPORT, LA	Building Number: 1	
				Date: 04-17-2015	Checked: RBP	Drawn: TWG	Dwg. 154 of 160

FINAL SUBMITTAL