



**ELECTRICAL KEY NOTES:**

- ① THREE (3) 4" PVC CONDUITS ROUTED UNDERGROUND TO CLECO'S POWER POLE. VERIFY EXACT SIZE AND NUMBER OF CONDUITS REQUIRED BY CLECO.
- ② ONE CONDUIT SHALL BE STUBBED UP AS A SPARE FOR FUTURE USE. A PVC CAP SHALL BE INSTALLED.
- ③ THE CONTRACTOR SHALL INSTALL A NEW TRANSFORMER PAD PER THE UTILITY COMPANY STANDARDS. THE TRANSFORMER SHALL BE PROVIDED BY THE UTILITY COMPANY. THIS PAD SHALL BE EXTENDED TO ACCOMMODATE THE INSTALLATION OF THE NEW MAIN DISTRIBUTION PANEL. THIS PAD SHALL BE LARGE ENOUGH TO GIVE A MINIMUM OF FOUR FEET OF WORKING CLEARANCE IN FRONT OF THE PANEL.
- ④ THE EXISTING ELECTRICAL SERVICE SHALL BE REMOVED AS INDICATED. ANY POWER OUTAGES SHALL BE COORDINATED WITH THE OWNER AT A TIME THAT IS CONVENIENT TO THEIR SCHEDULES. THIS MAY REQUIRE WORKING AFTER HOURS AND/OR THE WEEKEND.
- ⑤ THE EXISTING ELECTRICAL METER AND FEEDERS SHALL BE REMOVED AS INDICATED. ANY POWER OUTAGES SHALL BE COORDINATED WITH THE OWNER AT A TIME THAT IS CONVENIENT TO THEIR SCHEDULES. THIS MAY REQUIRE WORKING AFTER HOURS AND/OR THE WEEKEND.
- ⑥ REROUTE 3" CONDUIT WITH THREE (3) #350 KCMIL CONDUCTORS AND #2 AWG GROUND TO DISCONNECT.
- ⑦ SIX (6) 4" CONDUITS WITH PULL STRING ROUTED TO INGROUND JUNCTION BOX FOR FUTURE USE.
- ⑧ THREE (3) 4" CONDUITS WITH FOUR (4) #600 KCMIL CONDUCTORS AND #1/0 AWG GROUND.
- ⑨ CONTRACTOR SHALL PROVIDE AN INGROUND QUAZITE JUNCTION BOX. SIZE PER CLECO'S STANDARDS. VERIFY LOCATION PRIOR WITH ARCHITECT PRIOR TO INSTALLATION.
- ⑩ THREE (3) 4" CONDUITS WITH PULL STRING ROUTED TO CAFETERIA ELECTRICAL ROOM FOR FUTURE USE. VERIFY EXACT LOCATION WITH THE ARCHITECT PRIOR TO INSTALLATION.
- ⑪ THREE (3) 4" CONDUITS STUBBED OUT FOR FUTURE USE.
- ⑫ 2" CONDUIT WITH THREE (3) #4/0 AWG CONDUCTORS AND #4 AWG GROUND.
- ⑬ CONNECT NEW CIRCUITS FOR BATHROOM ADDITION TO EXISTING BREAKERS IN THE PANEL "A" OR PANEL "B" AS NECESSARY. IF MORE CIRCUITS ARE REQUIRED, ADD APPROPRIATELY SIZED BREAKERS AS NECESSARY.
- ⑭ CIRCUITING TO LIGHT FIXTURES.
- ⑮ TO UNSWITCHED HOT LEGS, EMERGENCY AND EXIT FIXTURES
- ⑯ TWO (2) 2" CONDUITS WITH #12 AWG CONDUCTORS AND GROUND WIRES ASSOCIATED WITH THE LIGHTING CIRCUITS. ROUTE INTO WIREWAY BELOW LIGHTING CONTROL PANEL.
- ⑰ MINIMUM 6" X 20" X 4" DEEP WIREWAY MOUNTED BELOW THE LIGHTING CONTROL RELAY PANEL IN ACCORDANCE WITH THE MANUFACTURER'S KNOCKOUTS. WIREWAY SHALL BE USED FOR SPLICING PHASE CONDUCTORS TO PROVIDE UNSWITCHED LEG OF THE LIGHTING CIRCUIT TO THE EMERGENCY AND EXIT FIXTURES.
- ⑱ LIGHTING CONTROL RELAY PANEL ENCLOSURE SHALL ACCOMMODATE A MINIMUM OF SIXTEEN (16) 20A, 120V RELAYS, PROVIDE (16) 20A, 120V RELAYS. THE CONTROL SYSTEM SHALL INCLUDE AN ASTRONOMIC CLOCK AND DIGITAL PROGRAMMING FOR TIMED AND SUNRISE/SUNSET CONTROL OF THE RELAYS. RELAYS SHALL ALSO BE CONTROLLED VIA LOW VOLTAGE INPUTS, MOMENTARY OR MAINTAINED. THE CONTRACTOR SHALL INCLUDE ALL PROGRAMMING AND START-UP PER THE OWNER'S REQUIREMENTS. ALL ACCESSORIES SHALL BE PROVIDED AS REQUIRED FOR THE CONNECTION OF THE CONTROL SWITCHES AS SHOWN ON THE PLANS. THE SYSTEMS SHALL BE --- OR APPROVED EQUAL.
- ⑲ 1200A, 120/208V, 3Ø, 3 POLE, NEMA 3R, MANUAL TRANSFER SWITCH.
- ⑳ #3/0 AWG GROUNDING ELECTRODE CONDUCTOR ROUTED TO TWO (2) 3/4" X 10' COPPERBONDED GROUND RODS, DRIVEN A MINIMUM OF SIX FEET APART. PROVIDE #3/0 AWG BARE COPPER BETWEEN RODS, MINIMUM OF 18" BELOW GRADE. CONNECT TO THE COLD WATER PIPE AND THE BUILDING STEEL. ALL CONNECTIONS SHALL BE CADWELDED.
- ㉑ NINE (9) 4" CONDUITS WITH FOUR (4) #700 KCMIL CONDUCTORS AND #3/0 AWG GROUND.

1 ELECTRICAL RISER DIAGRAM  
E3.01 NTS

SWITCHBOARD: MSB1	ENCLOSURE: NEMA 3R
VOLTAGE: 120/208	MOUNTING: SURFACE
PHASE: 3	LOCATION: SEE PLANS
WIRE: 4	MAIN O.C. DEVICE: MLO
BUS AMPS: 4000	A.I.C.: 65,000

CKT. NO.	DESCRIPTION	CONN LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)	O. C. DEVICE	
					POLES	AMP TRIP
1	EXISTING DS-1 (ADMIN. BLDG.)	---	---	---	3	600
2	PANEL DPA	---	---	---	3	1200
3	FUTURE DPB (CAFETERIA)	---	---	---	3	---
4	FUTURE CLASS WINGS	---	---	---	3	---
5	SPACE	---	---	---	3	---
6	SPACE	---	---	---	3	---

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**RENOVATIONS AND ADDITION TO CLASSROOM BUILDINGS FOLSOM JR. HIGH SCHOOL**  
**ST. TAMMANY PARISH SCHOOL BOARD**  
 FOLSOM, LOUISIANA  
 83065 HAY HOLLOW ROAD

DATE ISSUED: 10 JUNE 2009  
 REVISED:  
 REVISED:  
 REVISED:  
 DRAWN BY: TPD, MBK  
 CHECKED BY: ROO  
 PHASE:

**CONSTRUCTION DOCUMENTS**

**08060**

TITLE:  
**ELECTRICAL RISER DIAGRAM**

SHEET:  
**E3.01**

