



STORE NUMBER: 5553
 101 BEN SAWYER BOULEVARD
 MT. PLEASANT, SC 29464
 PROJECT TYPE ADA and THH
 DEAL TYPE
 CS PROJECT NUMBER: 106857

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CVS PROJECT MANAGER: TS
 DRAWING BY: JAC
 DATE: 10-23-2017
 JOB NUMBER: 121-7815-08
 TITLE: ELECTRICAL SCHEDULES AND RISER DIAGRAM
 SHEET NUMBER: E3
 COMMENTS:

| PANELBOARD MDP SCHEDULE (EXISTING PANELBOARD) | | | | | | | | | | | | | | | |
|---|------------------------|------------|------|------------|-----|------------------|------|------------------|---|--------|-----|----------|---|---|--|
| VOLTAGE: 208Y/120V MAINS 600A MCO | | | | LOAD (KVA) | | | | MOUNTING SURFACE | | | | REMARKS: | | | |
| BUS SIZE: 600 AMP TOTAL ADDED LOAD 8.3 KVA | | | | | | | | | | | | | | | |
| No. | SERVES | LOAD (KVA) | | | | MOUNTING SURFACE | | | | SERVES | No. | | | | |
| | | LTG | RCPT | MTR | A/C | HTG | MISC | TRIP | P | | | A | B | C | |
| 1 | | | | | | | | | | | | | | | |
| 3 | SPARE | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 9 | SPARE | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | |
| 13 | PANEL C | | | | | | | | | | | | | | |
| 15 | DRINK COOLER (3)(4)(5) | | | | | | | | | | | | | | |
| 21 | REC - FLATWIRE (3) | 0.4 | | | | | | | | | | | | | |
| 23 | REC - FLATWIRE (3) | 0.5 | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | |
| 27 | PANEL B | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 3 | 3 | 60 | | | | | |
| 28 | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | |
| 33 | EXISTING CIRCUIT | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | |
| 37 | PHOTO PROCESSOR | | | | | | | | | | | | | | |
| 39 | | | | | | | | | | | | | | | |
| 41 | | | | | | | | | | | | | | | |
| 43 | | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | |
| 47 | | | | | | | | | | | | | | | |
| | | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 0.0 | | | | | | | |
| | | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 0.0 | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

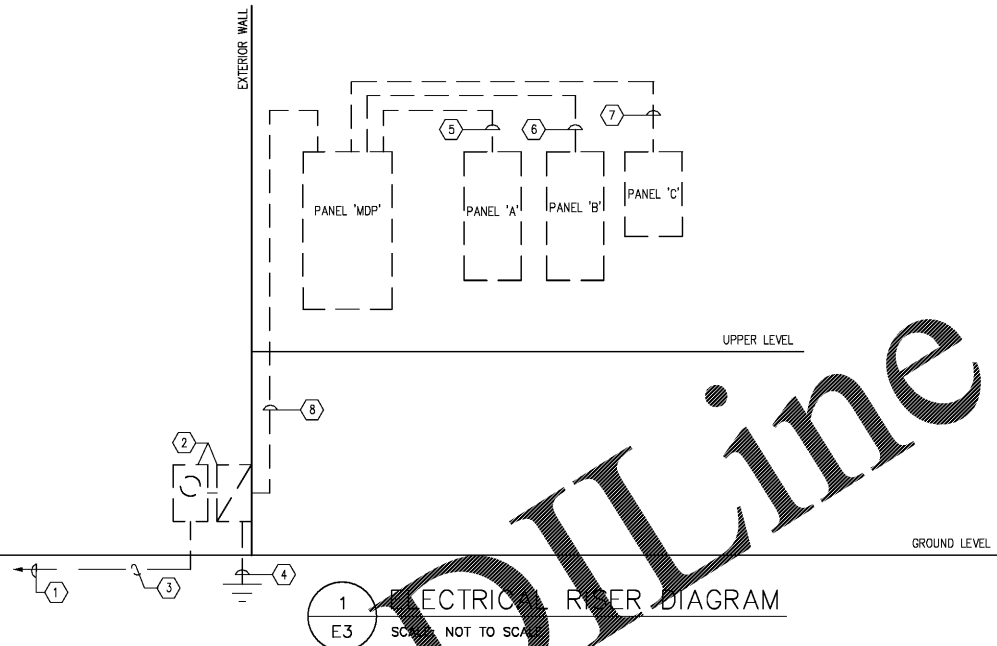
PANELBOARD MDP LOAD SUMMARY

| | |
|---|-----------|
| RATED LOAD | 216.0 KVA |
| (80% of circuit brkr. rating of panel or feeder, whichever is less) | |
| EXISTING LOAD x 1.25: | 96.9 KVA |
| REMOVED LOAD: | 2.0 KVA |
| ADDED LOAD: | |
| CONT. x 1.25: | 0.0 KVA |
| NON-CONT: | 8.3 KVA |
| TOTAL LOAD: | 103.2 KVA |

| PANELBOARD B SCHEDULE (EXISTING PANEL) | | | | | | | | | | | | | | | |
|--|----------------------|------------|------|------------|-----|------------------|------|------------------|---|--------|-----|----------|---|---|--|
| VOLTAGE: 208Y/120V MAINS 125A MCO | | | | LOAD (KVA) | | | | MOUNTING SURFACE | | | | REMARKS: | | | |
| BUS SIZE: 125 AMP TOTAL ADDED LOAD 3.2 KVA | | | | | | | | | | | | | | | |
| No. | SERVES | LOAD (KVA) | | | | MOUNTING SURFACE | | | | SERVES | No. | | | | |
| | | LTG | RCPT | MTR | A/C | HTG | MISC | TRIP | P | | | A | B | C | |
| 1 | FRONT REGISTERS | | | | | | | | | | | | | | |
| 3 | REC RETAIL | | | | | | | | | | | | | | |
| 5 | FILM BEVERAGE COOLER | | | | | | | | | | | | | | |
| 7 | PHARMACY REC | | | | | | | | | | | | | | |
| 9 | REC RETAIL | | | | | | | | | | | | | | |
| 11 | PHARM REFNS | | | | | | | | | | | | | | |
| 13 | REC PHARMACY | | | | | | | | | | | | | | |
| 15 | REC PHARMACY | | | | | | | | | | | | | | |
| 17 | REC PHARMACY | | | | | | | | | | | | | | |
| 19 | BLOOD PRESSURE MACH | | | | | | | | | | | | | | |
| 21 | IRRIGATION | | | | | | | | | | | | | | |
| 23 | LTG REC S O.A. | | | | | | | | | | | | | | |
| 25 | REC S.O.A. | | | | | | | | | | | | | | |
| 27 | CCTV | | | | | | | | | | | | | | |
| 29 | REC PHARMACY | | | | | | | | | | | | | | |
| 31 | REC PHARMACY | | | | | | | | | | | | | | |
| 33 | ACCESS ALARM | | | | | | | | | | | | | | |
| 35 | BEVERAGE COOLER | | | | | | | | | | | | | | |
| 37 | REC PHOTOLAB (1) | 0.7 | | | | | | | | | | | | | |
| 39 | REC PHOTOLAB (1) | 0.7 | | | | | | | | | | | | | |
| 41 | BELL FOR BACKDOOR | | | | | | | | | | | | | | |
| | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | | | | | | | |

PANELBOARD A LOAD SUMMARY

| | |
|---|----------|
| RATED LOAD | 28.8 KVA |
| (80% of circuit brkr. rating of panel or feeder, whichever is less) | |
| EXISTING LOAD x 1.25: | 23.0 KVA |
| REMOVED LOAD: | 2.0 KVA |
| ADDED LOAD: | |
| CONT. x 1.25: | 0.0 KVA |
| NON-CONT: | 3.2 KVA |
| TOTAL LOAD: | 24.2 KVA |



- RISER DIAGRAM NOTES:**
- ALL EQUIPMENT AND FEEDERS SHOWN DASHED ARE EXISTING TO REMAIN, UNLESS NOTED OTHERWISE.
 - A.I.C. RATING OF ANY NEW CIRCUIT BREAKERS OR ELECTRICAL EQUIPMENT SHALL BE AT OR EXCEED RATINGS OF EXISTING PANELBOARDS/EQUIPMENT TO WHICH THEY ARE TO BE CONNECTED.
 - EXISTING CONDITIONS WERE DETERMINED FROM LIMITED SURVEY. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND NOTIFY OWNER/ARCHITECT/ENGINEER IMMEDIATELY OF ANY IRRECONCILABLE CONFLICTS.
 - CONTRACTOR SHALL VERIFY LOADING ON EXISTING PANELBOARDS TO BE AFFECTED BY THIS PROJECT PRIOR TO BEGINNING CONSTRUCTION. AT THE COMPLETION OF PROJECT, CONTRACTOR SHALL AGAIN VERIFY LOADING OF AFFECTED PANELBOARDS TO CONFIRM THAT NO PANELBOARD FEEDER IS BEING OVERLOADED BY THIS WORK.
 - ALL NEW MULTIPOLAR HOMERUNS SHALL BE PROTECTED WITH MULTI-POLE, SIMULTANEOUS-TRIP CIRCUIT BREAKERS PER N.E.C. 210.4B.
 - ALL NEW WIRE SHALL BE TYPE THHN/THWN COPPER.
 - SERIES RATING IS NOT ALLOWED ON NEW EQUIPMENT/DEVICES.
 - ALL TERMINATION'S ON NEW ELECTRICAL GEAR/EQUIPMENT (i.e. PANELBOARDS, DISCONNECT SWITCHES, etc.) SHALL HAVE DUAL RATED 60-DEGREE / 75-DEGREE LUGS/TERMINALS.
- ELECTRICAL LEGEND NOTES (RISER DIAGRAM ONLY):**
- TO EXISTING 208V/120V POWER COMPANY PAD-MOUNTED TRANSFORMER. COORDINATE SERVICE REQUIREMENTS WITH LOCAL POWER COMPANY PRIOR TO ANY WORK.
 - EXISTING 600A, 3-POLE, FUSIBLE, SERVICE DISCONNECT SWITCH LOCATED ON REAR OF BUILDING, ADJACENT TO POWER SERVICE METER (S.C.E.&G. METER NO. 80 233 573).
 - EXISTING 600A, 208V/120V, 3-PHASE, SERVICE FEEDER.
 - EXISTING SERVICE GROUND.
 - EXISTING 200A, 3-PHASE FEEDER.
 - EXISTING 100A, 3-PHASE FEEDER.
 - EXISTING 60A, 3-PHASE FEEDER.
 - EXISTING 600A, 208V/120V, 3-PHASE, FEEDER

SYMBOL LEGEND

MOUNTING HEIGHT IS FINISHED FLOOR TO CENTERLINE OF DEVICE. UNLESS OTHERWISE NOTED ALL J-BOXES TO BE LOCATED 18" AFF.

| SYMBOL | DESCRIPTION | MOUNTING HEIGHT |
|--------|--|--------------------|
| ⊖ | DUPLEX RECEPTACLE | 18" AFF |
| ⊕ | QUAD RECEPTACLE | 18" AFF |
| ⊖ | DUPLEX RECEPTACLE WITH ISOLATED GROUND | 18" AFF |
| ⊖ | GROUND FAULT CURRENT INTERRUPTER TYPE RECEPTACLE | AS NOTED |
| ⊖ | SPECIAL RECEPTACLE AS NOTED | AS NOTED |
| ⊖ | CEILING DUPLEX RECEPTACLE, MOUNTED FLUSH | |
| ⊕ | JUNCTION BOX W/COVERPLATE - CEILING MOUNTED | |
| ⊖ | JUNCTION BOX W/COVERPLATE - WALL MOUNTED | |
| ⊖ | PANELBOARD | |
| ⊖ | DISCONNECT SWITCH - HORSEPOWER RATED | |
| ◀ A | 2 FLUSH MOUNTED SINGLE GANG REDUCING RINGS. PROVIDE 1 - 1" CONDUIT (WITH PULLWIRE) IN WALL TO BOTTOM OF JOIST. | 66" AFF 54" AFF |
| ◀ B | FLUSH MOUNTED SINGLE GANG REDUCING RING. PROVIDE 1 - 1" CONDUIT (WITH PULLWIRE) IN WALL TO 6" ABOVE CEILING. | 60" AFF |
| ⊖ | CONDUIT CONCEALED IN SLAB-IN GROUND OR UNDER FLOOR | |
| — | CONDUIT EXPOSED | |
| AFF | ABOVE FINISHED FLOOR | |
| AFG | ABOVE FINISHED GRADE | |
| ⊖ | REFER TO ELECTRICAL NOTES | |
| ⊖ | S.P.S.T. LIGHT SWITCH | 48" AFF UON |
| ⊖ | D.P.S.T. SWITCH | 48" AFF UON |
| ⊖ | OCCUPANCY SENSOR WALL MOUNTED | 48" AFF UON |
| #XW | WIRING SIZE | |

- ELECTRICAL LEGEND NOTES:**
(PANELBOARD SCHEDULES ONLY)
- RE-USE C.B. (TO BE ABANDONED DURING DEMOLITION) TO SERVE NEW LOAD INDICATED.
 - INSTALL NEW CIRCUIT BREAKER IN EXISTING "SPACE" TO SERVE NEW LOAD INDICATED.
 - REPLACE EXISTING 3-POLE, SPARE WITH (3)-NEW 1-POLE BREAKERS TO SERVE NEW LOADS INDICATED.
 - PROVIDE LOCK-ON DEVICE FOR CIRCUIT BREAKER.
 - PROVIDE H.A. TYPE CIRCUIT BREAKER.
 - USE EXISTING SPARE C.B. TO SERVE NEW LOAD INDICATED.

Order Plans