

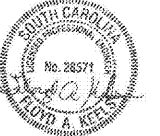
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**ISSUE RECORD**

| DATE       | REV. | DESCRIPTION           |
|------------|------|-----------------------|
| 05/20/2020 |      | PERMIT SUBMISSION SET |
| 08/07/2020 | 1    | OUT TO BID SET        |



**PROFESSIONAL SEAL**



08/07/2020

**PROFESSIONAL IN CHARGE**

FLOYD KEELS

**PROJECT MANAGER**

ERIC WONG

**QUALITY CONTROL**

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**DRAWN BY**

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**PROJECT NAME**

**MURPHY EXPRESS**

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**FREY MOSS STRUCTURE**

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FMS JOB NUMBER G20MUD0051  
FMS MODEL NUMBER XXXXXX

**PROJECT NUMBER**  
20181975.5

**SHEET TITLE**

**ELECTRICAL PLAN**

**SHEET NUMBER**

**EL1**

PROTO V2.0 11/01/2019

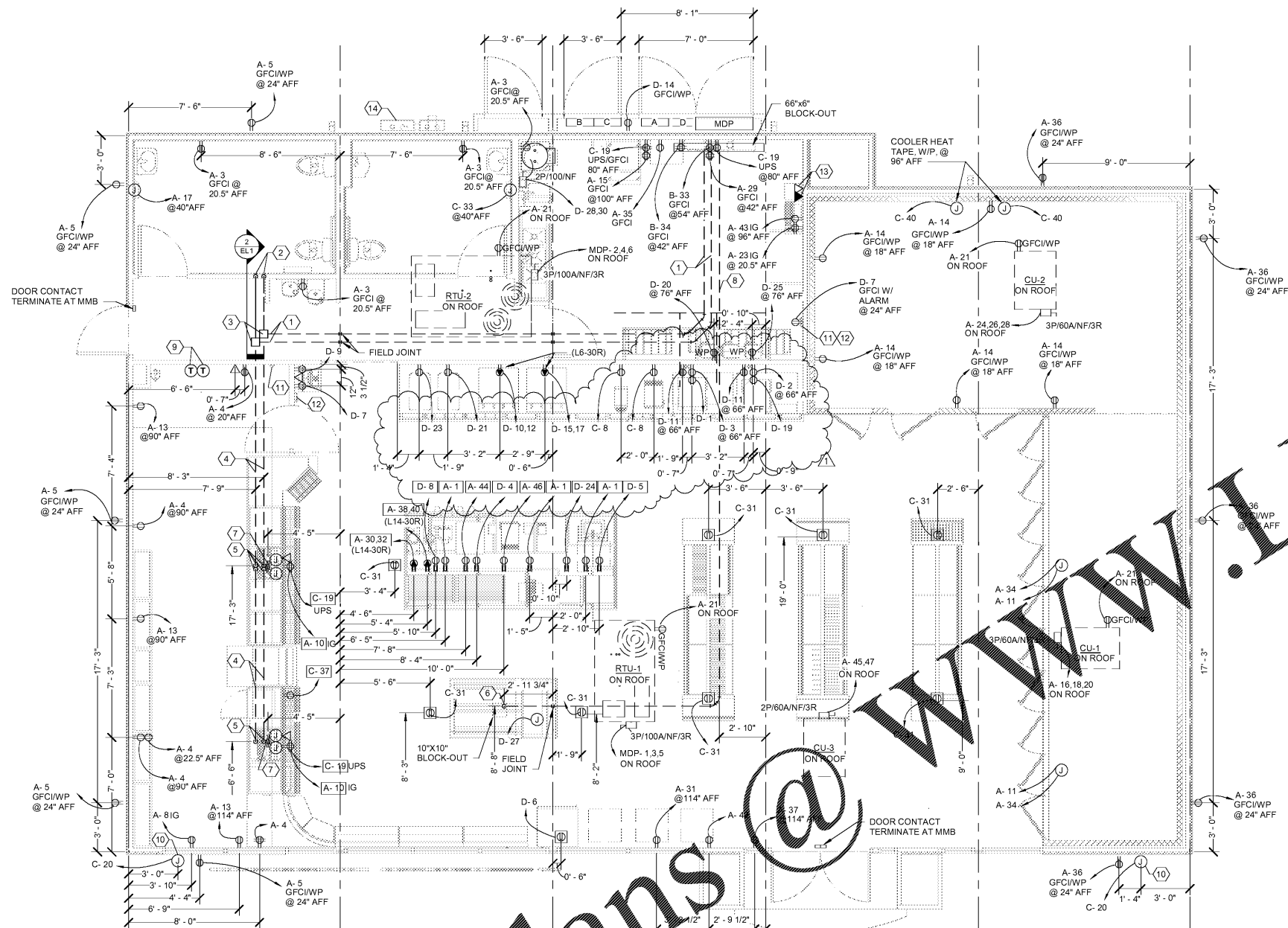
| KEYNOTES |   |
|----------|---|
| NO.      | DESCRIPTION   |
| 1        | FMS SHALL PROVIDE AND INSTALL (2) 2" PVC CONDUITS ABOVE CEILING. ONE CONDUIT AND PULL BOX FOR DATA, ANOTHER FOR UPS POWER. FMS SHALL PROVIDE FIELD JOINTS AT MODULE LINES. CONNECTION AT FIELD JOINTS BY G.C. |
| 2        | FMS SHALL ROUTE (2) 2" PVC CONDUITS DOWN IN WALL THEN HORIZONTAL BELOW FLOOR. REFER TO DETAIL 2/EL1.  |
| 3        | FMS SHALL PROVIDE AND INSTALL PULL BOX ABOVE CEILING. REFER TO DETAIL 2/EL1. FIELD COORDINATE EXACT LOCATION.   |
| 4        | FMS SHALL INSTALL (2) 2" PVC CONDUITS UNDER FLOOR THROUGH STEEL.  |
| 5        | FMS SHALL STUB UP 2" PVC CONDUIT.   |
| 6        | FMS SHALL STUB UP 2" PVC CONDUIT THROUGH 10"x10" BLOCK-OUT.   |
| 7        | G.C. SHALL PROVIDE JUNCTION BOXES. FME TO STUB UP 3/4" CONDUIT WITH CONDUCTORS FOR COUNTER RECEPTACLES. RECEPTACLES TO BE FIELD INSTALLED BY OTHERS. CONDUIT RUN IN FLOOR SLAB BY FMS.                        |
| 8        | FMS SHALL INSTALL 2" PVC CONDUIT UNDER FLOOR THROUGH STEEL AND PROVIDE FIELD JOINT AT MODULE LINE. CONNECTION AT FIELD JOINT BY G.C.  |
| 9        | TWO THERMOSTATS TO MMB AT 48" AFF MAX.  |
| 10       | EMERGENCY SHUTDOWN BY FME AT 32" AFF WITH SIGNAGE BY FME CONTRACTOR.  |
| 11       | CO2 REMOTE DISPLAY AT 54" AFF.  |
| 12       | CO2 MONITOR AT 18" AFF.   |
| 13       | TWO JUNCTION BOXES AT 18" AFF WITH EMPTY 1" CONDUIT BACK TO BLOCKOUT FOR CBEX BY FME.   |
| 14       | MAIN DISCONNECT BY G.C.   |

**GENERAL NOTES:**

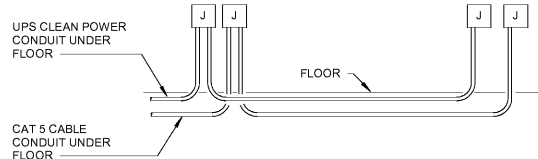
- ALL WIRING TO BE COPPER TYPE THHN OR THWN INSTALLED IN CONDUIT PER THE NATIONAL ELECTRICAL CODE.
- ELECTRICAL SYSTEMS SHALL BE INSTALLED PER APPLICABLE CODE AND IN ACCORDANCE WITH ALL APPLICABLE UTILITY COMPANY SPECIFICATIONS AND MUNICIPAL JURISDICTIONAL CODES.
- WHERE CONNECTION TO A GROUNDING ELECTRODE IS REQUIRED, THE GROUNDING ELECTRODE SHALL BE AS SPECIFIED IN 250.52A.
- SITE ELECTRICIAN IS RESPONSIBLE FOR MOUNTING CT, METER, AND MAKING FINAL ELECTRICAL CONNECTION OF SERVICE TO BUILDING PANEL.
- SITE ELECTRICIAN TO MAKE PRIMARY GROUNDING TO BUILDING PIPING PER NEC.
- CONDUIT SHALL BE INSTALLED AS A COMPLETE SYSTEM IN ACCORDANCE WITH NEC ARTICLE 300.18 AND SHALL BE SECURELY FASTENED IN PLACE AND SUPPORTED IN ACCORDANCE WITH NEC ARTICLE 358.30(A) AND (B).
- ALL RECEPTACLES AND OUTLETS TO BE LOCATED @ 22 1/2" A.F.F. (U.N.O.)
- GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING A FAULT CURRENT STUDY IF REQUIRED BY LOCAL AUTHORITIES. INTERRUPTING RATING OF SERVICE EQUIPMENT IN THIS BUILDING IS 65KA I.C. GENERAL CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY COMPANY AND DETERMINE AVAILABLE FAULT CURRENT. A REMOTE MAIN SWITCH WITH CURRENT LIMITING FUSES SHALL BE PROVIDED AND INSTALLED IF NECESSARY BY G.C.
- INSTALLATION OF HVAC BY FMS. HOOK-UP BY G.C.
- THE PANEL & WIRING WILL BE PROVIDED BY FMS AS PART OF THE BUILDING. THE SITE CONTRACTOR WILL PROVIDE ALL BREAKERS AND WIRING FOR FIELD DISTRIBUTION. A TYPEWRITTEN DIAGRAM OF THE PANEL LAYOUT SHALL BE PROVIDED BY THE SITE CONTRACTOR.
- ALL CROSSOVER CONNECTIONS AND ROOF TOP CONNECTIONS BY G.C.
- PROVIDE SEAL OFF FITTING AT EACH END OF CONDUIT FOR HAZARDOUS AREAS.
- GFCI RECEPTACLE WITH IN-USE WEATHERPROOF COVER UL LISTED FOR EXTERIOR USE COMPLETE WITH ADAPTER PLATE AND PRE-ADHERED GASKET. PART # CKPS-C-CN THOMAS & BETTS OR APPROVED EQUIVALENT.
- CO2 MONITOR AND SENSORS, CO2 AIRGAS SENTRY MODEL 178-CO2MINT.
- CONDUIT, HEAT TAPE, BOXES, FITTINGS, ETC. IN DAMP LOCATION (E.G., COOLER, ETC) SHALL COMPLY WITH INSTALLATION PER NEC 314.15.
- ALL CROSS-OVER WIRES ARE TO BE LABELED FOR SITE ELECTRICIAN.
- ALL PULL DIMENSIONS ARE TAKEN FROM OUTSIDE OF THE STEEL BASE FRAME OF THE BUILDING, UNLESS NOTED OTHERWISE.
- SEE INTERIOR ELEVATIONS ON ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- DO NOT ENERGIZE MMB. TO BE POWERED BY ONEAC ON SITE.
- RECEPTACLES TO BE FIELD INSTALLED BY OTHERS. ELECTRICAL RECEPTACLES TO BE MOUNTED TO BACK PANEL HIGH TO UNDERSIDE OF COUNTERTOP, ELECTRICIAN TO COORDINATE FINAL LOCATIONS WITH MURPHY CONSTRUCTION PM.

**LEGEND**

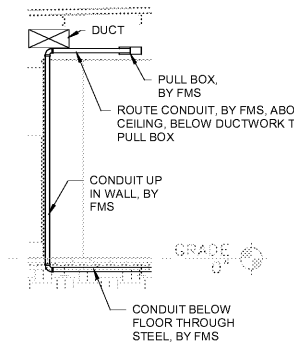
- NON-FUSED GENERAL DUTY DISCONNECT
- JUNCTION BOX
- DUPLEX 20A, 125V RECEPTACLE @22.5" AFF
- QUAD DUPLEX RECEPTACLE
- SPECIALTY RECEPTACLE
- WALL MOUNTED TELEPHONE OUTLET
- DATA OUTLET
- FLOORBOX - DUPLEX RECEPTACLE
- SPECIALTY RECEPTACLE FLOOR MOUNTED (TOMBSTONE)
- DUPLEX RECEPTACLE FLOOR MOUNTED (TOMBSTONE)
- WP WEATHERPROOF
- AFF ABOVE FINISHED FLOOR (CENTER OF BOX)
- GFCI GROUND FAULT CIRCUIT INTERRUPTER TYPE OUTLET
- NL NIGHT LIGHT
- OS OCCUPANCY SENSOR
- IG ISOLATED GROUND
- T THERMOSTAT
- S TEMPERATURE SENSOR
- X - # RECEPTACLE FIELD INSTALLED BY OTHERS



1 ELECTRICAL POWER PLAN  
1/4" = 1'-0"



3 CASHIER AREA DATA & UPS  
EL1 N.T.S.



2 CONDUITS ABOVE CEILING  
EL1 N.T.S.

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