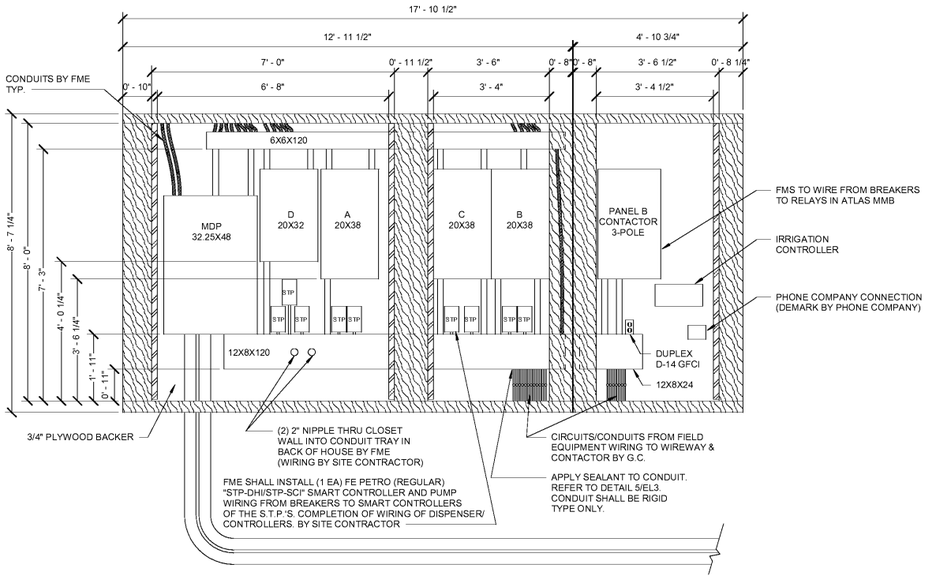
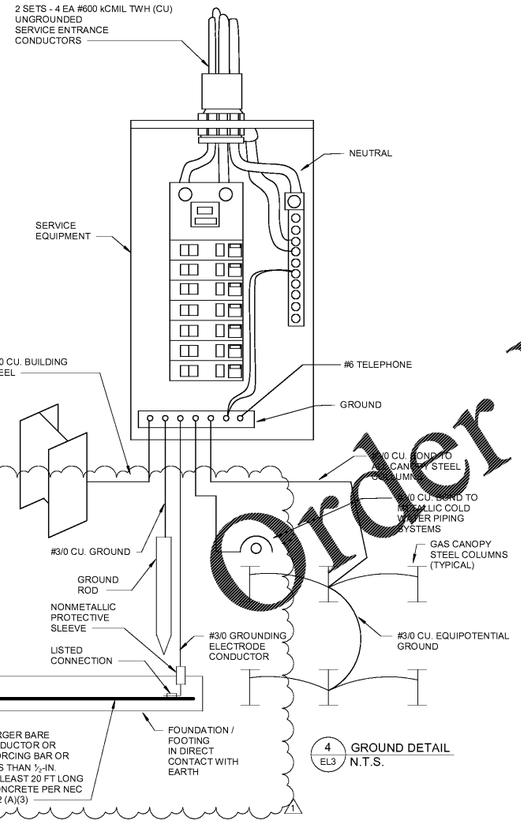
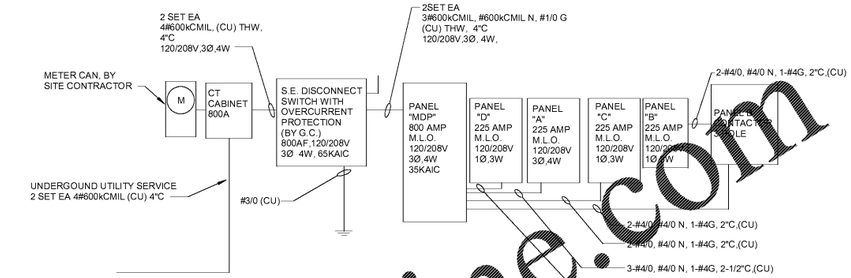


NOTES:
1. ALL METAL RACEWAYS, THE METAL ARMOR OR METALLIC SHEATH ON CABLES, AND ALL NON-CURRENT CARRYING METAL PARTS OF FIXED AND PORTABLE ELECTRICAL EQUIPMENT, REGARDLESS OF VOLTAGE, SHALL BE BONDED AND GROUNDED. GROUNDING AND BONDING IN CLASS 1 LOCATIONS SHALL COMPLY WITH NEC 501.30.
2. FME TO WIRE BREAKERS TO RELAYS IN ATLAS MMB.

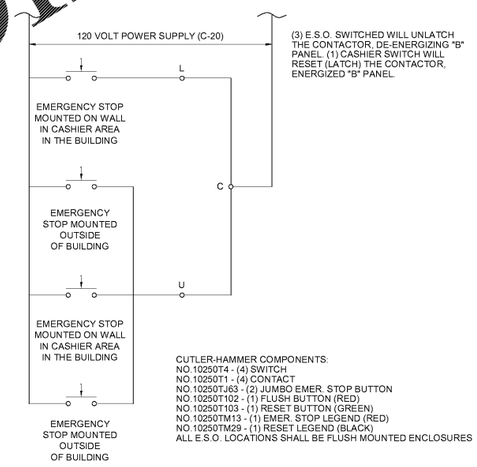
1 EL3 ELECTRICAL PANEL ELEVATION
N.T.S.



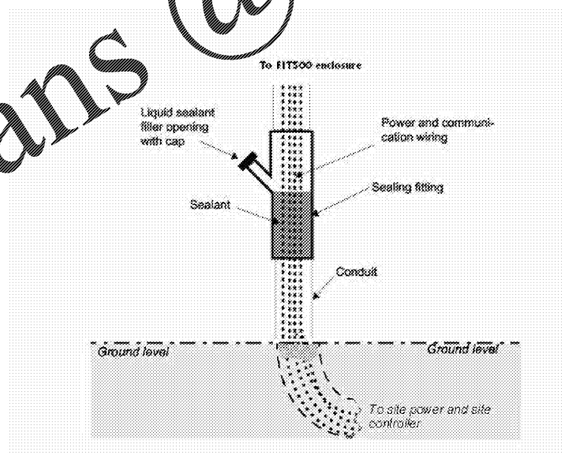
4 EL3 GROUND DETAIL
N.T.S.



2 EL3 ONE LINE DIAGRAM
N.T.S.

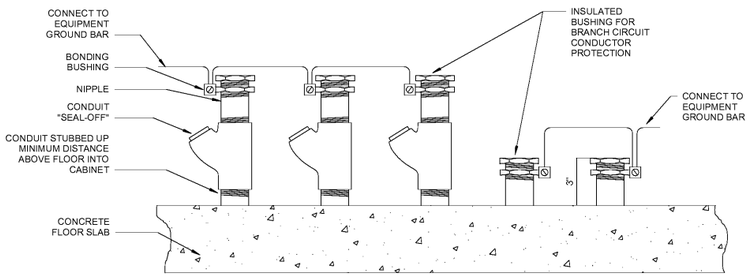


3 EL3 EMERGENCY SHUT-DOWN CIRCUITRY
N.T.S.



NOTES:
1. CONDUITS INSIDE HAZARDOUS AREA MUST HAVE A SEAL-OFF INSTALLED AT LEAST 18" ABOVE FINISHED GROUND TO PREVENT LIQUIDS OR FUMES FROM ENTERING THE AREA.
2. CONDUITS OUTSIDE HAZARDOUS AREA MUST HAVE SEAL-OFF AT LEAST 10" ABOVE FINISHED GROUND TO PREVENT LIQUIDS OR FUMES FROM ENTERING THE AREA.

5 EL3 CONDUIT SEAL-OFF DETAL
N.T.S.



NOTES:
1. THIS DETAIL IS DIAGRAMMATIC. THE UNDERGROUND CONDUITS SHOWN REPRESENT TYPICAL INSTALLATION METHODS.
2. "SEAL-OFF" DETAILS APPLY TO ALL DISPENSER/PUMP/CANOPY CONDUITS ORIGINATEING FROM HAZARDOUS AREAS.

6 EL3 ELECTRICAL BONDING
N.T.S.

Order Plans @ WWW.LDILine.com

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1430 West Peachtree, NW
Suite 200
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t: 404.601.4000

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ISSUE RECORD

DATE	REV.	DESCRIPTION
05/29/2020		PERMIT SUBMISSION SET
1 08/07/2020	1	OUT TO BID SET

PROFESSIONAL SEAL
SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER FLOYD A. KEELS No. 28571
08/07/2020

PROFESSIONAL IN CHARGE
FLOYD KEELS

PROJECT MANAGER
ERIC WONG

QUALITY CONTROL
FRANK TROWBRIDGE

DRAWN BY
MUSTAPHA CEESAY

PROJECT NAME
MURPHY EXPRESS
MURPHY OIL CONVENIENCE STORE
NW CORNER HWY 1 & OAK DRIVE, LEXINGTON SOUTH CAROLINA 29073

FREY-MOSS STRUCTURE
1801 Rockdale Industrial Blvd.
Conyers, Georgia 30012
Voice: (800) 366-6385
Fax: (770) 483-6037

FMS JOB NUMBER
G20MU00061

FMS MODEL NUMBER
XXXXX

PROJECT NUMBER
20181975.5

SHEET TITLE
ELECTRICAL DETAILS

SHEET NUMBER
EL3

PROTO V2.0 11/01/2019

I:\Users\Mustapha\Documents\20181975.3 Lexington (Frey -) & Oak (G) Sc... 2020 Building V2.0 MEP - ekeels.rvt