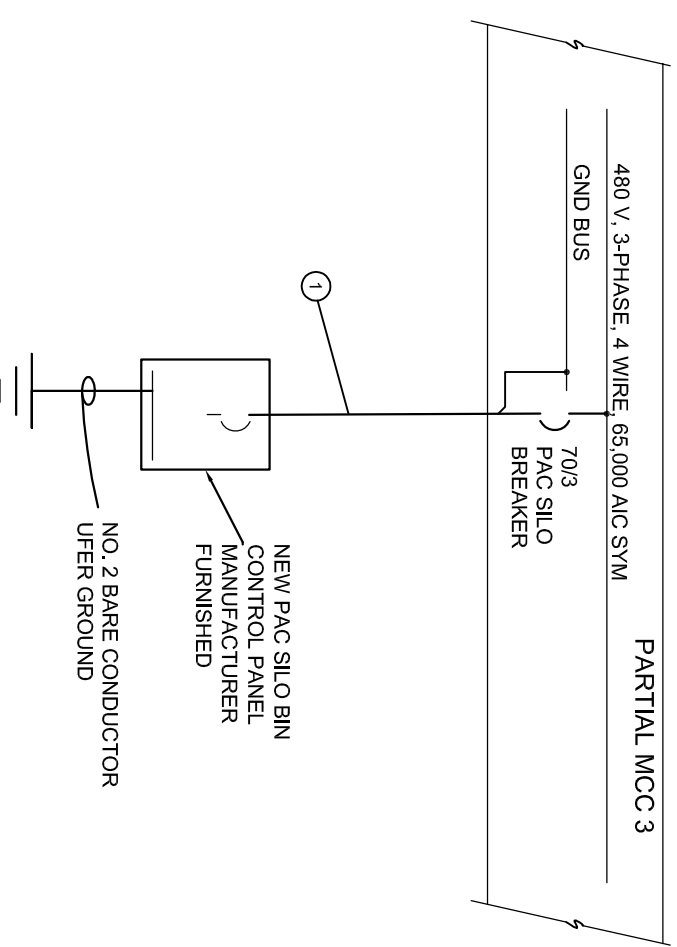


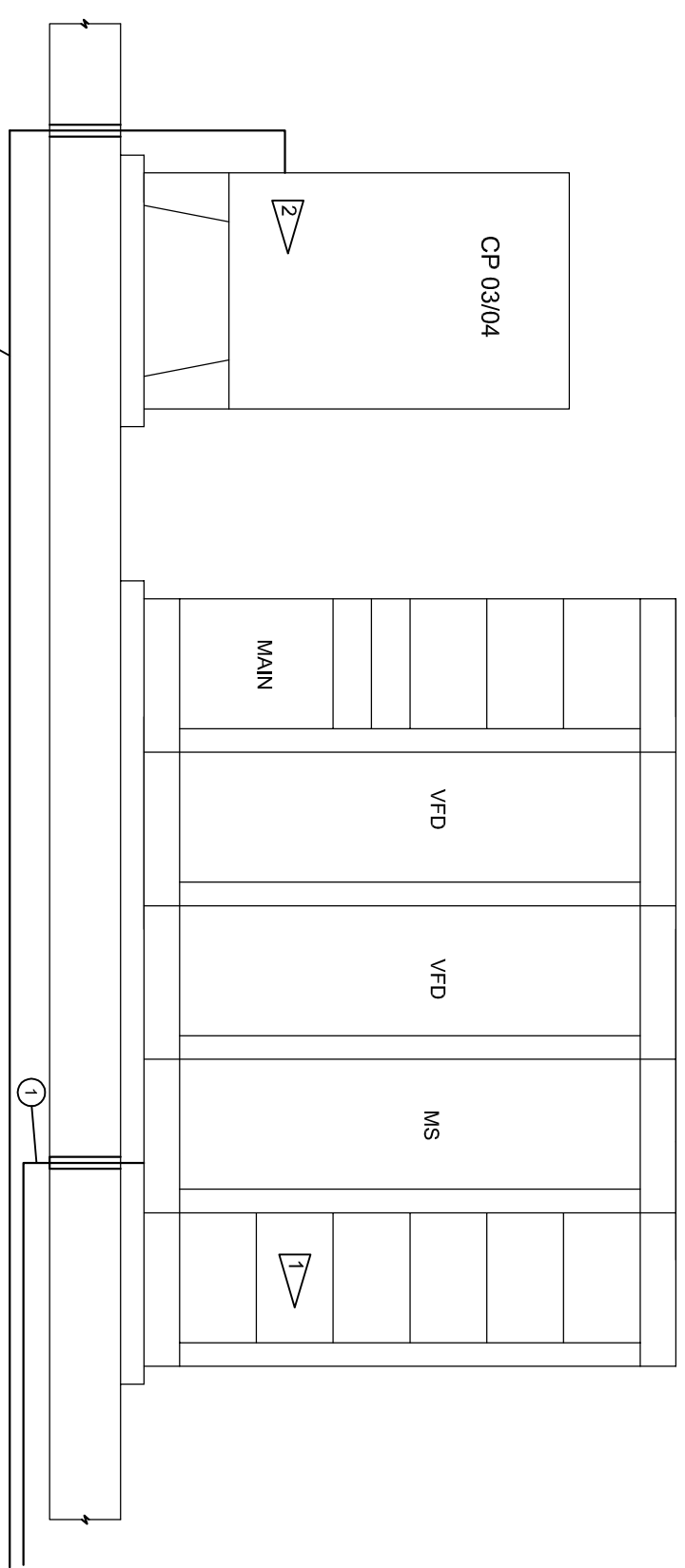
CABLE/CONDUIT SCHEDULE						
MARK	PARALLEL RUNS	PHASE	NEUTRAL	GROUND	CONTROL	TRADE SIZE CONDUIT
○ 1	1	3-NO. 4	1-NO.4	1-NO.6		1 1/4"
2	1			1-NO. 14	6-NO. 14	3/4"



**MODIFIED POWER ONE-LINE DIAGRAM**

**FLAG NOTES:**

- 1 INSTALL NEW 70 AMP CB IN SPARE CUBICLE. PROVIDE A COMPLETE NEW BUCKET WITH BUS STAB ASSEMBLY, DOOR, EXTERNAL OPERATOR AND ENGRAVED NAMEPLATE, MATCH EXISTING.
- 2 TAG & COIL CONDUCTORS AT SILO PANEL AND CP 03/04 FOR FUTURE USE BY OWNER.



**RISER DETAIL (NTS)**

**NOTES:**

1. ALL ELECTRICAL MATERIALS AND METHODS TO BE IN COMPLIANCE WITH LATEST EDITION OF NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES.
2. OUTDOOR AREAS CLASSIFIED WET, NEMA 4, FILTER BUILDING ROOMS DRY, NEMA 12.
3. ALL CONDUCTORS TO BE INSTALLED IN U.L. LISTED CONDUIT. ALL ABOVE GRADE CONDUITS TO BE GALVANIZED RIGID STEEL (GRS) CONDUIT WITH THREADED FITTINGS. ALL CONDUIT ENTRIES TO OUTDOOR ENCLOSURES TO BE MADE WITH THREADED EXTERNAL WEATHERPROOF HUBS. ALL EXPOSED CONDUIT TO BE RUN PARALLEL OR PERPENDICULAR TO WALLS AND SUPPORTED WITH GALVANIZED HARDWARE IN ACCORDANCE WITH NEC. ALL CONDUITS ENTERING THROUGH TOP OR SIDE OF ENCLOSURES SHALL BE SEALED TO PREVENT ENTRANCE OF MOISTURE.
4. ALL UNDERGROUND WIRING TO BE INSTALLED IN SCHEDULE 80 PVC RIGID NON METALLIC CONDUIT, DIRECT BURIED AT 24" BELOW GRADE. TRANSITION TO GRS CONDUIT/ELBOWS AT MINIMUM 10' PRIOR TO EMERGING FROM UNDERGROUND OR ENTERING UNDERGROUND STRUCTURES. GRS COMPONENTS IN DIRECT CONTACT WITH EARTH OR CONCRETE SHALL BE 40 MIL PVC COATED EXTENDING MINIMUM 1' AFTER EXPOSURE. DIRECT BURIED CONDUITS SHALL BE PLACED IN A SAND ENVELOPE AT LEAST 3" IN ALL DIRECTIONS WITH WARNING TAPE AT 16" ABOVE CONDUITS. ALL UNDERGROUND AND WET AREA CONDUIT JOINTS SHALL BE WATERTIGHT.
5. POWER AND CONTROL CONDUCTORS TO BE STRANDED COPPER 90°C TYPE THHN/THWN, U.L. LISTED.
6. GROUND ALL NON-CURRENT CARRYING METALLIC ENCLOSURES, CONDUITS, EQUIPMENT FRAMES, AND STRUCTURES IN ACCORDANCE WITH ARTICLE 250, N.E.C. ALL GROUND GRID BONDING CONNECTIONS TO BE MADE USING EXOTHERMIC WELDING OR COMPRESSION CONNECTORS SPECIFICALLY INTENDED FOR GROUNDING SYSTEMS.
7. CONTRACTOR TO OBTAIN AND PAY ALL NECESSARY PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN A TIMELY MANNER.
8. PERFORM AN ARC FLASH HAZARD ANALYSIS TO CALCULATE POTENTIAL INCIDENT ENERGIES AND FLASH PROTECTION BOUNDARIES FOR EACH WORK LOCATION IN THE SYSTEM. PROVIDE RELEVANT LABELS AND SIGNAGE AS REQUIRED BY NEC, NFPA 70E AND/OR OSHA. RECOMMEND SUITABLE PROTECTIVE CLOTHING AND GEAR FOR PERFORMING WORK IN DESIGNATED HAZARDOUS AREAS.

MCC 3  
ALLEN-BRADLEY CENTERLINE  
SERIAL NO. F TXL 541/1

