GENERAL NOTES
1. APPLY SEALING COMPOUND AT ALL CONDUIT COUPLINGS AND TERMINATE SEALING SLEEVES. PROVIDE PLASTI-BOND #PRHTOUCHUP-GRAY-PT OR EQUAL.
2. ALL CONDUIT SHALL BE THREADED PVC COATED RIGID METAL CONDUIT (RMC). FIELD SPRAY ALL CUT METAL WITH GALVANIZING PAINT TO PREVENT CORROSION.
3. ALL CONDUIT & EQUIPMENT SIZES, LENGTHS, QUANTITIES SHOWN HERE ARE TYPICAL. SPECIFIC PROJECTS SHALL VERIFY SIZES, LENGTHS, QUANTITIES AS REQUIRED.
4. PROVIDE 316 STAINLESS STEEL CONCRETE WEDGE ANCHORS WITH THREADED 5/8" DIA. ROD FOR MOUNTING ALL EQUIPMENT AND ENCLOSURES AS REQUIRED. FIELD SPRAY ALL CUT METAL WITH GALVANIZING PAINT TO PREVENT CORROSION.
5. PHYSICAL MOUNTING LOCATIONS AND ELEVATIONS ABOVE BOTTOM OF VAULT SHALL BE EVALUATED ON A VAULT BY VAULT BASIS AND COORDINATED WITH UNL PRIOR TO WORK. SEE OTHER VAULT DETAILS FOR OTHER VAULT REQUIREMENTS.
6. PROVIDING CONDUIT BENDS AND OFFSETS AS REQUIRED. TAKE CARE IN BENDING PVC COATED CONDUIT SO AS NOT TO DAMAGED THE PVC COATING. UTILIZE CONDUIT BENDERS AND OTHER TOOLS APPROVED FOR PVC COATED CONDUIT APPLICATIONS.
7. EXACT POSITION OF THE SAFETY SWITCHES WILL VARY ON A CASE-BY-CASE BASIS. REVIEW WITH PROJECT MANAGER AND MAKE NECESSARY ADJUSTMENTS TO LAYOUT.

KEY NOTES
1. NON-METALLIC TERMINAL JUNCTION BOX. HIGH-IMPACT STRENGTH, FIBERGLASS ENCLOSURE & COVER WITH STAINLESS STEEL (S.S.) COVER SCREWS. INCLUDES HIGH-TEMPERATURE SILICON GASKET. PROVIDE WITH PLATED STEEL BACK PANEL. HOFFMAN EXE SERIES ENCLOSURE OR EQUAL. #E1E400160P (WITH BACK PANEL. MODEL #A4E04005P) IS DEPICTED IN THE DETAIL. SPECIFIC ENCLOSURE SIZE WILL BE DETERMINED ON A VAULT-BY-VAULT BASIS. MOUNT TO UNISTRUT (SEE NOTE 12).
2. TYPE XHHW COPPER CONDUCTORS. MINIMUM 2/0, #1/0G BETWEEN VAULTS. MINIMUM 2X12, #1/2G FROM TERMINAL BLOCKS TO NEXT VAULT LOADS. 600V, HIGH-HEAT & MOISTURE RESISTANT STRANDED CONDUCTORS WITH XLP INSULATION. MONEL CONDUIT. #PRM1000 OR EQUAL. QUANTITY & SIZES OF HUBS AS REQUIRED TO MATCH SPECIFIC VAULT CONDITIONS. APPLY SEALING COMPOUND AROUND EACH SLEEVE AFTER INSTALLATION. PLASTI-BOND #PRHTOUCHUP-GRAY-PT OR EQUAL.
3. POWER DISTRIBUTION BLOCKS. MOUNT TO BACK PANEL OF ENCLOSURE WITH STAINLESS STEEL HARDWARE. LINE SIDE TERMINALS FOR TWO EACH #14-2/0 CONDUCTORS, LOAD SIDE TERMINALS SUITABLE FOR SIX EACH #14-4 CONDUCTORS. SQ D #9098LBJ363200 OR EQUAL. PROVIDE TERMINAL BLOCKS WITH FINGER SAFE COVERS. SQ D #9098LBJ333 OR EQUAL. MOUNT TERMINAL BLOCKS IN CENTER OF BOX AS MUCH AS PRACTICAL TO ALLOW FOR CONDUCTOR BENDS AND TERMINATIONS.
4. PVC COATED 1-1/2" MYERS HUB. NEMA 4X HUB WITH HIGH TEMPERATURE MOLDED PVC GASKET, O-RING GASKET, AND SEALING SLEEVE. INCLUDES 40 MIL PVC EXTERIOR COATING AND 2MIL URETHANE INTERIOR COATING. PLASTI-BOND #PRST5 OR EQUAL. QUANTITY & SIZES OF HUBS AS REQUIRED TO MATCH SPECIFIC VAULT CONDITIONS. APPLY SEALING COMPOUND AROUND EACH SLEEVE AFTER INSTALLATION. PLASTI-BOND #PRHTOUCHUP-GRAY-PT OR EQUAL.
5. SPARE 3/4" CONDUIT Penetration at Bottom of Enclosure for Future Load Connection. PROVIDE WITH ALUMINUM "CAP-OFF" DEVICE WITH GASKET. COOPER CROUSEHINDS MODEL #STAC2 OR EQUAL.
6. PVC COATED 1-1/2" FEMALE-MALE UNY UNION. NEMA 4X UNION WITH HIGH TEMPERATURE MOLDED PVC GASKET AND SEALING SLEEVE. INCLUDES 40 MIL PVC EXTERIOR COATING AND 2MIL URETHANE INTERIOR COATING. PLASTI-BOND #PRUNF505 OR EQUAL. QUANTITY & SIZES OF UNIONS AS REQUIRED TO MATCH SPECIFIC VAULT CONDITIONS.
7. PVC COATED 3/4" RMC CONDUIT. INCLUDES 40 MIL PVC EXTERIOR COATING AND 2MIL URETHANE INTERIOR COATING. PLASTI-BOND #PRHCONDUIT-3/4 OR EQUAL. QUANTITY AS REQUIRED TO MATCH SPECIFIC VAULT CONDITIONS.
8. MECHANICALLY-INTERLOCKED, WATERTIGHT, NON-FUSED, SHROUDED SAFETY SWITCH. NEMA 4X, NON-METALLIC ENCLOSED SWITCH RATED FOR 600V, IP66 RATED. PROVIDE HUBBELL #HBLDS3 OR EQUAL. MOUNT TO UNISTRUT (SEE NOTE 12).
9. NON-METALLIC TERMINAL JUNCTION BOX. HIGH-IMPACT STRENGTH, FIBERGLASS ENCLOSURE & COVER WITH STAINLESS STEEL (S.S.) COVER SCREWS. INCLUDES HIGH-TEMPERATURE SILICON GASKET. PROVIDE WITH PLATED STEEL BACK PANEL. HOFFMAN EXE SERIES ENCLOSURE OR EQUAL. 6"X6"X4" ENCLOSURE (MODEL #EXE160160), WITH BACK PANEL (MODEL #A16160P) IS DEPICTED IN THE DETAIL. SPECIFIC ENCLOSURE SIZE WILL BE DETERMINED ON A VAULT-BY-VAULT BASIS.
10. PROVIDE PVC COATED INDIVIDUAL CONDUCTORS TO DIST. BLOCKS IN 4 X 4 J-BOX.
11. PVC COATED 1-1/2" RMC CONDUIT. INCLUDES 40 MIL PVC EXTERIOR COATING AND 2MIL URETHANE INTERIOR COATING. PLASTI-BOND #PRHCONDUIT-1-1/2 OR EQUAL. CONDUIT SIZE & QUANTITY AS REQUIRED TO MATCH SPECIFIC VAULT CONDITIONS.
12. GALVANIZED UNISTRUT STANDOFFS. PROVIDE STACKED UNISTRUT STANDOFFS VERTICALLY POSITIONED ON EACH SIDE OF THE ENCLOSURE (QUANTITY AND LENGTHS AS REQUIRED). SECURE TO THE VAULT WALL. LOCATE WALL ANCHORS ABOVE AND BELOW THE ENCLOSURE. PROVIDE ALL STAINLESS STEEL MOUNTING HARDWARE. FIELD SPRAY ALL CUT METAL WITH GALVANIZING PAINT TO PREVENT CORROSION.
13. PVC COATED 3/4" MYERS HUB. NEMA 4X HUB WITH HIGH TEMPERATURE MOLDED PVC GASKET, O-RING GASKET, AND SEALING SLEEVE. INCLUDES 40 MIL PVC EXTERIOR COATING AND 2MIL URETHANE INTERIOR COATING. PLASTI-BOND #PRUNF505 OR EQUAL. QUANTITY & SIZES OF HUBS AS REQUIRED TO MATCH SPECIFIC VAULT CONDITIONS. APPLY SEALING COMPOUND AROUND EACH SLEEVE AFTER INSTALLATION. PLASTI-BOND #PRHTOUCHUP-GRAY-PT OR EQUAL.
14. AT EACH HUB CONNECTED TO THE JUNCTION BOX PROVIDE FOAM DUCT SEALANT WITHIN THE CONDUIT. SEALANT SHALL BE TWO-PART HIGH-EXPANSION FOAM WITH HIGH TEMPERATURE RANGE AFTER CURING. MINIMUM 200 DEG F. POLYWATER #PFOAM SEALANT OR EQUAL. PROVIDE WITH NECESSARY APPLICATOR AND MIXING CONTAINERS. CLEAN ALL EXCESS SEALANT FROM AREA PRIOR TO SEALANT FULLY CURING.
15. PROVIDE A 1/2" NEMA 4X DRAIN WITH BREATHER IN BOTTOM OF ENCLOSURE. CROUSE-HINDS #CD1 N4B BREATHER OR EQUAL.
16. PROVIDE CONDUIT SEAL OFF FITTING WITH DRAIN IN EACH RECEPATICLE CONDUIT x 3/4" HUB RATED FOR CLASSIFIED LOCATIONS. CROUSE HINDS #D1421 OR EQUAL. FILL WITH CHICO. WATER PROOFING COMPOUND.