1. APPLY SEALING COMPOUND AT ALL CONDUIT COUPLINGS AND TERMINATE SEALING SLEEVES. PROVIDE PLASTI-BOND #PRST5 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 DAMAGE THE PVC COATING. USE SPECIAL 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.

8. 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. NEMA EXE SERIES ENCLOSURE OR EQUAL "16"X16"X5" ENCLOSURE (MODEL #EXE000150120), WITH BACK PANEL (MODEL #A4002505P) IS DEPICTED IN THE DETAIL, SPECIFIC ENCLOSURE SIZE WILL BE DETERMINED ON A VAULT-BY-VAULT BASIS. MOUNT TO UNISTRUT (SEE NOTE 12).

9. TYPE XHHW COPPER CONDUCTORS. MINIMUM 24G, 1/8"G BETWEEN VAULTS. MINIMUM 24/12, 1/4"G FROM TERMINAL PANEL TO TO NEXT VAULT-TO-VAULT LOADS. 600V, HIGH-HEAT & MOISTURE RESISTANT STRANDED CONDUCTORS WITH XLP INSULATION.

10. SOUTHWIRE XHHW-2 SIMPULL CONDUCTORS OR EQUAL.

11. 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 2ML 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 #PRST5 OR EQUAL.

12. 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.

13. PVC COATED 3/4" RMC CONDUIT. INCLUDES 40 MIL PVC EXTERIOR COATING AND 2ML URETHANE INTERIOR COATING. PLASTI-BOND #PRUNF505 OR EQUAL. QUANTITY & SIZES OF UNIONS AS REQUIRED TO MATCH SPECIFIC VAULT CONDITIONS.

14. MECHANICALLY-INTERLOCKED, WATERTIGHT, FUSED, SHROUDED FUSED SAFETY SWITCH. NEMA 4X, NON-METALLIC ENCLOSURE SWITCH RATED FOR 600V, IP20 RATED. PROVIDE HUBBELL #DS30 OR EQUAL. MOUNT TO UNISTRUT (SEE NOTE 12). PROVIDE DUAL ELEMENT, CURRENT-LIMITING, TIME-DELAY CLASS J FUSES, BUSSMAN LPJ OR EQUAL. FOR SUMP PUMPS SIZED 1/3 HP, 208V, SINGLE PHASE, PROVIDE 7 AMP FUSES. FOR ALL OTHER PUMP SIZES CONSULT UNL PROJECT MANAGER.

15. PROVIDE CONDUIT SEAL OFF FITTING WITH DRAIN IN EACH RECEPTACLE CONDUIT x 3/4" HUB RATED FOR CLASSIFIED LOCATIONS. CROUSE HINDS #CD1 N4X OR EQUAL. FILL WITH CHICO. WATER PROOFING COMPOUND.

16. CONNECT PUMP CABLE INDIVIDUAL CONDUCTORS TO FUSE BLOCKS IN SAFETY SWITCH. SEAL CABLE INTO SWITCH AS REQUIRED TO PREVENT MOISTURE MIGRATION.

17. PVC COATED 1-1/2" FEMALE-MALE UNY UNION. NEMA 4X HUB WITH HIGH TEMPERATURE MOLDED PVC GASKET AND SEALING SLEEVE. INCLUDES 40 MIL PVC EXTERIOR COATING AND 2ML URETHANE INTERIOR COATING. PLASTI-BOND #PRUNF505 OR EQUAL. QUANTITY & SIZES OF HUBS AS REQUIRED TO MATCH SPECIFIC VAULT CONDITIONS.

18. MECHANICALLY-INTERLOCKED, WATERTIGHT, FUSED, SHROUDED FUSED SAFETY SWITCH. NEMA 4X, NON-METALLIC ENCLOSURE SWITCH RATED FOR 600V, IP20 RATED. PROVIDE HUBBELL #DS30 OR EQUAL. MOUNT TO UNISTRUT (SEE NOTE 12). PROVIDE DUAL ELEMENT, CURRENT-LIMITING, TIME-DELAY CLASS J FUSES, BUSSMAN LPJ OR EQUAL. FOR SUMP PUMPS SIZED 1/3 HP, 208V, SINGLE PHASE, PROVIDE 7 AMP FUSES. FOR ALL OTHER PUMP SIZES CONSULT UNL PROJECT MANAGER.

19. PROVIDE CONDUIT SEAL OFF FITTING WITH DRAIN IN EACH RECEPTACLE CONDUIT x 3/4" HUB RATED FOR CLASSIFIED LOCATIONS. CROUSE HINDS #CD1 N4X OR EQUAL. FILL WITH CHICO. WATER PROOFING COMPOUND.

20. PROVIDE NEMA STANDARD POWER DISTRIBUTION BLOCKS AS ILLUSTRATED. COPPER BLOCKS GANGED TOGETHER AND MOUNTED TO BACK PANEL OF BOX WITH MINIMUM (2) MAIN SIDE AND (4) BRANCH SIDE POLES PER BLOCK. TERMINATE INCOMING FEEDER AND OUTGOING PUMP BRANCH CIRCUITING WIRING AT BLOCKS.