

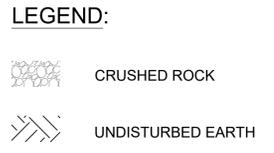
- NOTES:**
- AC SUPPLY, DC CONTROL, AND COMMUNICATION CABLES TO REMAIN IN CONDUIT. TERMINATE CONDUIT AT ENTRY TO VIONX STACK CONTAINERS WITH WATERTIGHT HUB.
  - DC CABLE CONDUITS TO RISE TO WITHIN 2 FEET BELOW CONNECTION BOX. CONDUITS TO TERMINATE WITH CABLE SUPPORT AND CONDUIT SEAL SIMILAR TO O-Z / GEDNEY. INSTALL CABLE SUPPORTS AS NEEDED TO TRAIN CABLE.
  - CONNECTION BOX IS FITTED FOR DC CABLE ENTRY TO VIONX STACK CONTAINERS WHERE BATTERY DISCONNECT SWITCH (+DCS02) IS LOCATED.
  - INSTALL CABLE TRAY TO SUPPORTS PROVIDED ON VIONX CONTAINER.
  - CONTAINER CONNECTION LOCATION TAKEN FROM PRELIMINARY VIONX CONSTRUCTION MANUAL.
  - DC CONTROL AND COMMUNICATION CONDUIT ENTRY IS ASSUMED TO BE IN SAME FASHION AND SIMILAR LOCATION AS AC SUPPLY CONNECTION.
  - ON CABLE TRAY, INSTALL (3) CONDUIT CLAMPS PER CONDUIT: (1) AT 2 FEET FROM GROUND, (1) AT 2 FEET FROM TOP OF CABLE TRAY, (1) AT MIDPOINT.
  - ATTACH 1-5/8" W x 3-1/4" H UNISTRUT TO TOP FRAME MEMBER ON VIONX CONTAINER FOR CONDUIT SUPPORT. USE UNISTRUT CONDUIT CLAMPS AT EACH LOCATION. USE 4"x18" CABLE TRAY TO TRAIN DC POWER CABLE TO ENTRY TO VIONX CONTAINER. TYPICAL 535MCM DLO CABLE MINIMUM BENDING RADIUS IS 6". CHECK MANUFACTURER INFORMATION. ADJUST UNISTRUT SUPPORTS AS REQUIRED TO SUPPORT TRAY.
  - INSTALL STRAIGHT CONDUIT BODY FOR PULLING POINT ON CONDUITS K5, K6, & K7.
  - INSTALL #2 COPPERWELD IN CABLE TRAY. BOND TO TRAY EVERY 4' WITH TRAY GROUND CONNECTOR. BOND BELOW GRADE WITH EXOTHERMIC WELD TO GROUND ELECTRODE IN SECTION K CONDUIT TRENCH.

1. USE RMC FOR ALL CONDUIT INSTALLED ON STACK CONTAINER TRAY. BOND CONDUITS TO #2 AWG Cu IN CABLE TRAY, 12" ABOVE GRADE AND 24" BELOW TOP OF TRAY.

- LIMIT BOTH STACK CONTAINER DOORS TO PREVENT SWING INTO CABLE TRAY OR NITROGEN SUPPORTS (NOT PICTURED).
- INSTALL EXPANSION JOINTS IN CONDUITS K5, K6 AND K7 BELOW CONDUIT TO TRAY CLAMPS AND ABOVE LOWEST CONDUIT BOND TO TRAY.

**REFERENCE DRAWINGS:**

MAN17077-D-0001 BATTERY STORAGE LOCATION PLAN  
 MAN17077-D-1301 ELECTRICAL EQUIPMENT CONDUIT PLAN



**DRAWING NOT ISSUED FOR CONSTRUCTION. FINAL QA/QC TO BE PERFORMED PRIOR TO APPLYING SEAL.**



<b>VIONX ENERGY - 905-0522 BATTERY STORAGE SYSTEM SHIRLEY, MA</b>		DRAFTER: JBH    ENGR: SDE    DATE: 29 NOV 17	
CHECKER: MB    APPD: PLK    SCALE: 1/2" = 1'-0"		REV.    DATE    DESCRIPTION	
0    24 DEC 17    ISSUED FOR CONSTRUCTION		1    12 JAN 18    NOTE CORRECTION	
<b>EPS ENGINEERING &amp; DESIGN</b> A Division of Electric Power Systems International, Inc. 1338 E. KINGSLEY, SUITE B SPRINGFIELD, MO 65804 PHONE: (417) 886-4840 FAX: (417) 886-4842		DRAWING NO.    REV. <b>STK01 - STACK CONTAINER CABLE TRAY ELEVATION AND DETAILS</b> MAN17077-D-1310    1	