



LOCATION MAP
NTS

LEGEND:

- ⊠ 20 FT GROUND ROD
- ▲ 10 FT GROUND ROD
- EXOTHERMIC WELDS
- #2 AWG BARE CU WIRE
- EQUIPMENT GROUND ATTACHMENT
- GROUND WIRE PENETRATION IN CONCRETE
- BOLLARDS

GROUNDING NOTES:

1. GROUND CONDUCTOR SHALL BE LAID IN CONTINUOUS LENGTHS IN AS FAR AS POSSIBLE & SHALL BE BURIED 2'-0" BELOW GROUND SURFACE.
2. GROUND RODS SHALL BE DRIVEN 2'-0" BELOW GROUND SURFACE.
3. ALL STEEL STRUCTURES AND EQUIPMENT TO BE GROUNDED TO GROUND GRID WITH LUGS AT BOTTOM OF STRUCTURES.
4. #2 COPPERWELD TO PENETRATE PAD FOR MISCELLANEOUS EQUIPMENT GROUNDS. CHECK OEM PRINTS FOR GROUND PAD LOCATION TO ESTABLISH GROUND TAIL PENETRATION POINTS.
5. NOT USED.
6. SEE DWG. MAN17077-D-1203 FOR TYPICAL GROUNDING DETAILS.
7. GROUND RODS TO BE COPPER CLAD STEEL 3/4" SECTIONAL ROD IN 10'-0" LENGTH.
8. PRIMARY GROUND CONDUCTOR SHALL BE #2 AWG BARE COPPER WIRE.
9. SLAB FOUNDATION REBAR TO BE CONNECTED TO GROUND GRID.
10. EQUIPMENT GROUNDING CONNECTIONS TO GRID TO BE #2 AWG COPPER.

CONSTRUCTION NOTES:

1. BOND TAIL TO CONCRETE REINFORCEMENT PRIOR TO POURING PAD.
2. RUN #2 AWG GROUND IN TRENCH TO CHILLER PAD AND BOND TAIL TO CONCRETE REINFORCEMENT PRIOR TO POURING PAD.
3. FOR X0 TRANSFORMER GROUND CONNECTIONS, INSTALL TAILS IN CONDUIT ENTRY WINDOWS PRIOR TO POURING PAD.
4. RUN #2 AWG GROUND IN TRENCH TO VIONX STACK CONTAINER, BOND TO CABLE TRAY AND ADD TAIL TO BOND TO VIONX STACK CONTAINER. SEE DWG. MAN17077-D-1310 FOR DETAILS.

REFERENCE DRAWINGS:

- MAN17077-D-0001 BATTERY STORAGE LOCATION PLAN
- MAN17077-D-1203 GROUNDING DETAILS

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

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| VIONX ENERGY - 905-0522 BATTERY STORAGE SYSTEM SHIRLEY, MA | | | |
| DRAFTER: JBH | ENGR: SDE | DATE: 06 JUL 17 | |
| CHECKER: MB | APPD: PLK | SCALE: 3/8" = 1'-0" | |
| REV | DATE | DESCRIPTION | |
| 0 | 24 DEC 17 | ISSUED FOR CONSTRUCTION | |
| 1 | 12 JAN 18 | ADDED STACK CONTAINER GROUND CONNECTION | |
| A Division of Electric Power Systems International, Inc. 1338 E. KINGSLEY, SUITE B SPRINGFIELD, MO 65804 PHONE: (417) 886-4840 FAX: (417) 886-4842 | | | |
| ELECTRICAL EQUIPMENT PAD GROUNDING PLAN | | | DRAWING NO. MAN17077-D-1201 |
| | | | REV. 1 |

ISSUED FOR CONSTRUCTION
OCT 15, 2018

RC-USEMSTO
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