



- GROUNDING KEYNOTES:
- 1 COPPER CLAD GROUND RODS: 8FT LONG, 3/4" DIA. TOP OF RODS MINIMUM 18" BELOW GRADE. RODS ADJACENT TO BUILDING TO BE MINIMUM 2'-0" FROM EXTERIOR WALL. CONNECT GROUND WIRE TO RODS BY APPROVED EXOTHERMIC METHOD(CADWELD).
  - 2 BUILDING PERIMETER GROUND RING: #2 AWG BARE SOLID TINNED COPPER CONDUCTOR BURIED MINIMUM 30" BELOW GRADE. APPROXIMATELY 2'-0" FROM CONCRETE FOOTING.
  - 3 1" NONMETALLIC (PVC) SLEEVE FROM 30" BELOW GRADE, UP THRU SLAB INTO BUILDING.
  - 4 #2 AWG BARE SOLID TINNED COPPER CONDUCTOR. CADWELD CONNECTIONS.
  - 5 GROUND BAR. VERIFY EXACT MOUNTING HEIGHT AND LOCATION WITH AT&T BUILDING ENGINEER. SEE DETAIL FOR GROUND BAR SPEC'S.
  - 6 #2 AWG BARE SOLID TINNED COPPER CONDUCTOR: FOR CONNECTION OF GROUND BAR TO EXTERNAL GROUND RING.
  - 7 NOT USED
  - 8 INTERIOR GROUND LOOP: #2 AWG STRANDED COPPER WIRE, GREEN RHW INSULATION. CONNECT TO DUCTWORK, AC EQUIPMENT HOUSING AND ROOF STRUCTURAL STEEL. CONNECTIONS TO BE MADE WITH 2 HOLE COMPRESSION CONNECTORS.
  - 9 NOT USED
  - 10 #1AWG CU IN 1" PVC TO GROUND BAR. PROVIDE FOR BOTH SERVICE ENTRANCE AND TXF SECONDARY.
  - 11 GENERATOR GROUND RING: #4/0 AWG BARE COPPER CONDUCTOR BURIED MINIMUM 30" BELOW GRADE. PROVIDE 2#4/0 WHIPS TO EQUIPMENT.

1 ELECTRICAL GROUNDING PLAN  
 E303  
 SCALE

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REVISIONS / AUTHORIZATIONS		
NO.	REVISIONS / AUTHORIZATIONS	DATE
BID SET		08/30/17

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DRAWINGS PREPARED FOR  
**AT&T** CORPORATE REAL ESTATE

PROJECT TITLE:  
**TELECOMMUNICATIONS HUT**  
 UNION STATION PLAZA  
 240-280 SAINT JOHN ST  
 PORTLAND

PTLFME01 Archoid AAB7WI

ELECTRICAL GROUNDING PLAN			
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AT&T DRAWING NO.:			
GREGG MIRANDO			

**CONSTRUCTION DOCUMENT  
 SUBMISSION (BID SET)**

