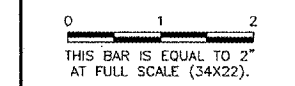


REVISIONS		
NUMBER	BY	DATE

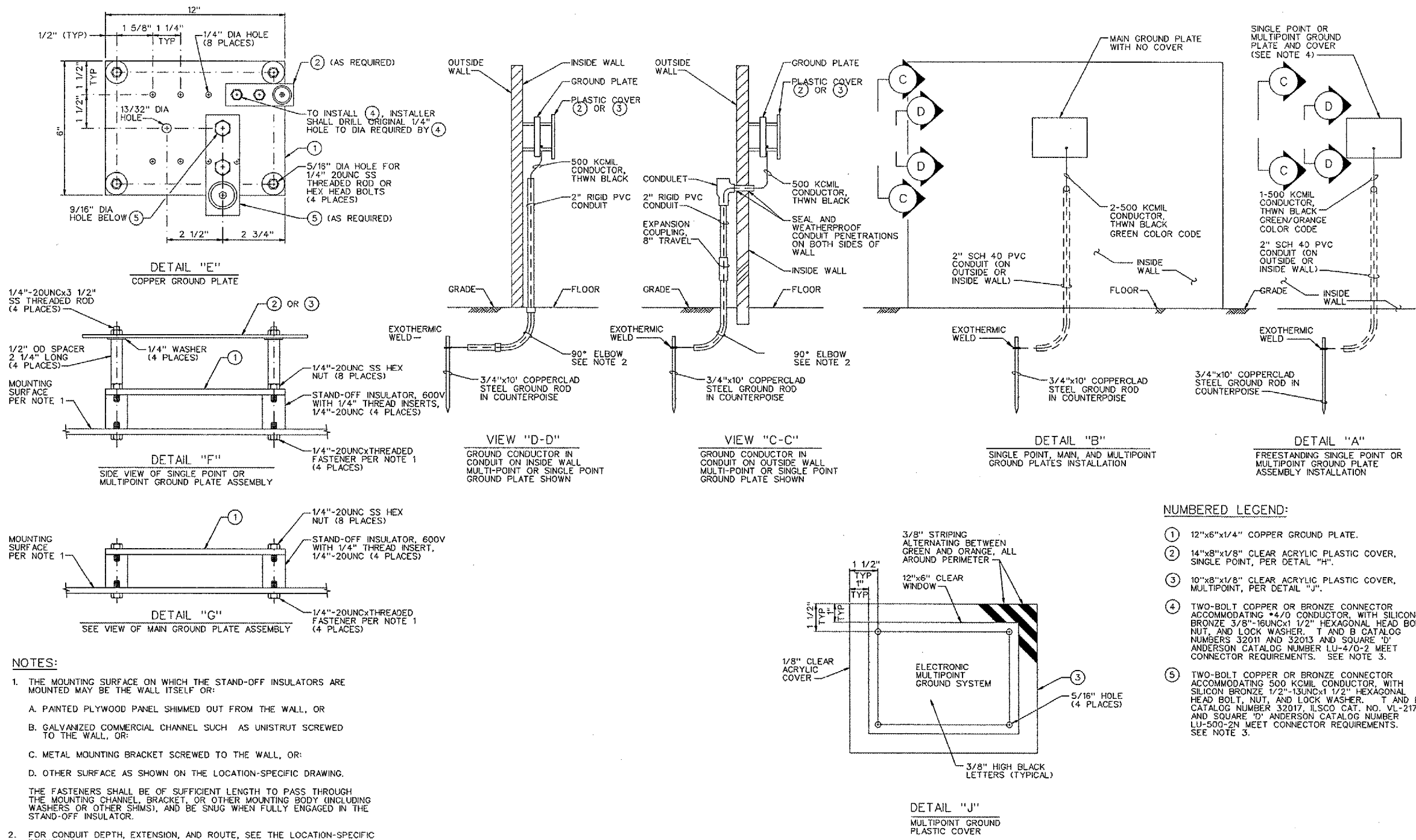


**FREEPORT - ALBERTUS AIRPORT  
 FREEPORT, ILLINOIS  
 SHELTER BUILDING  
 GROUND PLATES AND COVERS**

ILLINOIS PROJECT: FEP-3132 / A.I.P. PROJECT: 3-17-0045-B16

**CMT**  
 CRAWFORD, MURPHY & TILLY, INC.  
 CONSULTING ENGINEERS

DESIGN BY:	
DRAWN BY:	
CHECKED BY:	
APPROVED BY:	
DATE:	06/17/05
JOB No:	02294-08
SHEET 34 OF 34 SHEETS	



- NOTES:**
- THE MOUNTING SURFACE ON WHICH THE STAND-OFF INSULATORS ARE MOUNTED MAY BE THE WALL ITSELF OR:
    - A. PAINTED PLYWOOD PANEL SHIMMED OUT FROM THE WALL, OR
    - B. GALVANIZED COMMERCIAL CHANNEL SUCH AS UNISTRUT SCREWED TO THE WALL, OR
    - C. METAL MOUNTING BRACKET SCREWED TO THE WALL, OR
    - D. OTHER SURFACE AS SHOWN ON THE LOCATION-SPECIFIC DRAWING.
 THE FASTENERS SHALL BE OF SUFFICIENT LENGTH TO PASS THROUGH THE MOUNTING CHANNEL, BRACKET, OR OTHER MOUNTING BODY (INCLUDING WASHERS OR OTHER SHIMS), AND BE SNUG WHEN FULLY ENGAGED IN THE STAND-OFF INSULATOR.
  - FOR CONDUIT DEPTH, EXTENSION, AND ROUTE, SEE THE LOCATION-SPECIFIC DRAWING(S).
  - TWO-BOLT CONNECTORS ARE REQUIRED FOR ALL CONDUCTORS TO BE CONNECTED TO THE GROUNDING PLATES. ONE-BOLT CONNECTORS ARE NOT ACCEPTABLE. NOTE THAT ONLY ONE OF THE HOLES REQUIRED FOR INSTALLING EACH 2-BOLT CONNECTOR IS SPECIFIED IN DETAIL "E". THE INSTALLER OF THE CONNECTOR SHALL DRILL THE SECOND HOLE TO MATCH THE BOLT PATTERN OF THE SELECTED CONNECTOR.
  - MULTI-POINT GROUND PLATE LOCATED ON WALL OPPOSITE MAIN GROUND PLATE.
  - WHERE SPECIFIC MANUFACTURERS OF EQUIPMENT ARE GIVEN, THE CONTRACTOR MAY SUBMIT ALTERNATE EQUIPMENT EQUAL TO THAT PROPOSED FOR CONSIDERATION BY THE ENGINEER.

- NUMBERED LEGEND:**
- 12"x6"x1/4" COPPER GROUND PLATE.
  - 14"x8"x1/8" CLEAR ACRYLIC PLASTIC COVER, SINGLE POINT, PER DETAIL "H".
  - 10"x8"x1/8" CLEAR ACRYLIC PLASTIC COVER, MULTIPOINT, PER DETAIL "J".
  - TWO-BOLT COPPER OR BRONZE CONNECTOR ACCOMMODATING #4/0 CONDUCTOR, WITH SILICON BRONZE 3/8"-16UNCx1 1/2" HEXAGONAL HEAD BOLT, NUT, AND LOCK WASHER. T AND B CATALOG NUMBERS 32011 AND 32013 AND SQUARE 'D' ANDERSON CATALOG NUMBER LU-4/0-2 MEET CONNECTOR REQUIREMENTS. SEE NOTE 3.
  - TWO-BOLT COPPER OR BRONZE CONNECTOR ACCOMMODATING 500 KCMIL CONDUCTOR, WITH SILICON BRONZE 1/2"-13UNCx1 1/2" HEXAGONAL HEAD BOLT, NUT, AND LOCK WASHER. T AND B CATALOG NUMBER 32017. ILSCO CAT. NO. VL-21785, AND SQUARE 'D' ANDERSON CATALOG NUMBER LU-500-2N MEET CONNECTOR REQUIREMENTS. SEE NOTE 3.