**CONNECTOR PLATE**

**GRIND SURFACE OF CONNECTOR PLATE TO BARE METAL BEFORE ATTACHING,**

13/16" HOLE

STEEL CONNECTOR PLATE (5/8" x 5/8"

5"

3"

**PLAN VIEW**

**SIDE VIEW**

3/4" SERVICE SADDLE BOLT

STANDARD HEAVY HEX NUT WITH LOCK WASHER (SPLIT).

SERVICE SADDLE

SEE NOTE 3.

STEEL CONNECTOR PLATE (5/8" x 5/8"

**THERMITE WELD DETAILS**

1. **STEP 1**
   - CLEAN SURFACE TO BRIGHT METAL AT WELD LOCATION BY MECHANICAL GRINDER.

2. **STEP 2**
   - STRIP INSULATION FROM WIRE AND INSTALL ADAPTER SLEEVE.

3. **STEP 3**
   - HOLD GRAPHITE MOLD FIRMLY OVER ADAPTER SLEEVE WITH OPENING AWAY FROM OPERATOR - IGNITE STARTING POWDER.

4. **STEP 4**
   - REMOVE SLAG FROM CONNECTION, THOROUGHLY CLEAN WELD AREA WITH A STEEL WIRE BRUSH.

5. **STEP 5**
   - PRIME AND COAT ALL EXPOSED METAL AT WELD AREA, SEE NOTE 1.

**STEEL CONNECTOR PLATE**

**ADAPTER SLEEVE**

**STRANDED AWG NO. 10 COPPER WIRE (WITH THIN INSULATION).**

**GRAPHITE MOLD**

**GRAPHITE COVER**

**METAL POWDER**

**METAL DISC**

**WIRE**

**THREE-BOLT IN-LINE CONNECTOR PLATE AND THERMITE WELD DETAILS**

**NOTES:**

1. ANODE LEAD WIRE AND TEST WIRE TO BE THERMITE WELDED TO CONNECTOR PLATE PRIOR TO ATTACHING CONNECTOR PLATE TO SERVICE SADDLE.

2. THERMITE WELDS SHALL BE COATED WITH A PREFABRICATED ONE PIECE PLASTIC CAP FILLED WITH ELASTOMERIC MATERIAL, ROSTYON HANDY-CAP OR APPROVED EQUAL.

3. REMOVE COATING FROM SERVICE SADDLE WHERE CONNECTOR PLATE IS TO BE MOUNTED. REMOVE COATING WITH MECHANICAL GRINDER IMMEDIATELY PRIOR TO ATTACHING THE CONNECTOR PLATE.

**NOTES:**

1. THERMITE WELDS SHALL BE COATED WITH A PREFABRICATED ONE PIECE PLASTIC CAP FILLED WITH ELASTOMERIC MATERIAL, ROSTYON HANDY-CAP OR APPROVED EQUAL.

2. DO NOT THERMITE WELD TO PVC PIPE.