

If the existing conductors are of #10, #8 or #6 size, the contractor shall extend the existing conductors with the new HMW/PE stranded copper of the same gauge. If the existing conductors are not stranded copper of #10, #8 or #6 size, the ENGINEER shall be contacted for instructions.

New HMW/PE stranded copper conductor shall be butt-spliced to existing same size HMW/PE stranded copper conductor using an appropriately sized aluminum compression splice connector and then crimping the connector to insure a proper, non-removable mechanical connector. The new connection shall be sealed with a heavy wall heat shrink insulator.

NOTE: DO NOT USE ON IMPRESSED CURRENT WIRES (ANODES, NEGATIVE STRUCTURE LOADS)

RECOMMENDED CRIMP TOOL IS THOMAS BETTS (T+B) #TBM25S (OR PRE-APPROVED EQUAL)

SPLICING MATERIALS

ALUMINUM COMPRESSION SPLICE CONNECTORS

1. APPROVED

SUPPLIER	MODEL#	SIZE
T+B	60500	#10
T+B	60501	#8
T+B	60507	#6

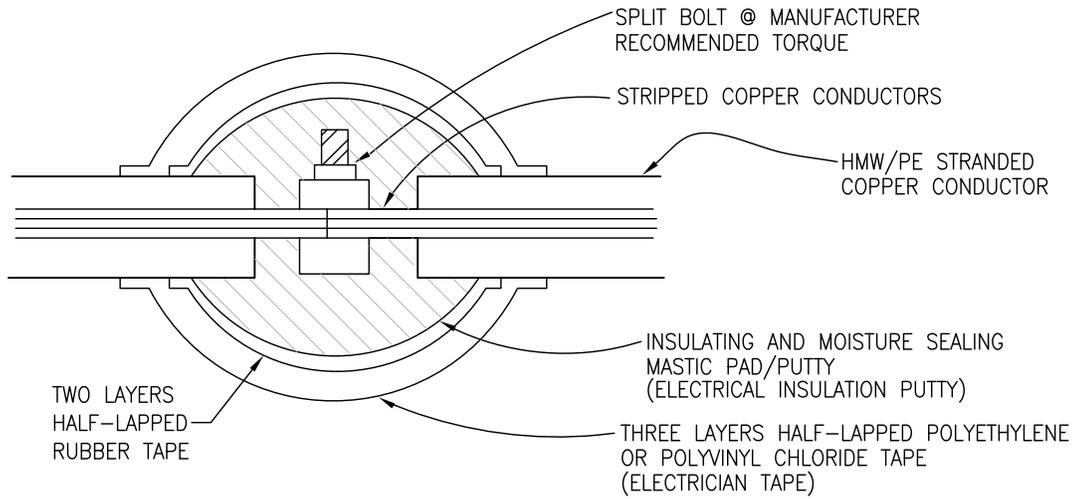
NOTE, USE:

- ① HEAT SHRINK ON TEST WIRE SPLICES WITH-OUT IMPRESSED CURRENT I.E: NEGATIVE LEAD
- ② PUTTY-RUBBER-VINYL ON SACRIFICIAL ANODES
- ③ 3M 82 RESIN KITS ON ANY IMPRESSED CURRENT WIRES SUCH AS ANODES + NEGATIVE STRUCTURAL LEADS

2. APPROVED HEAVY WALL HEAT SHRINK INSULATORS

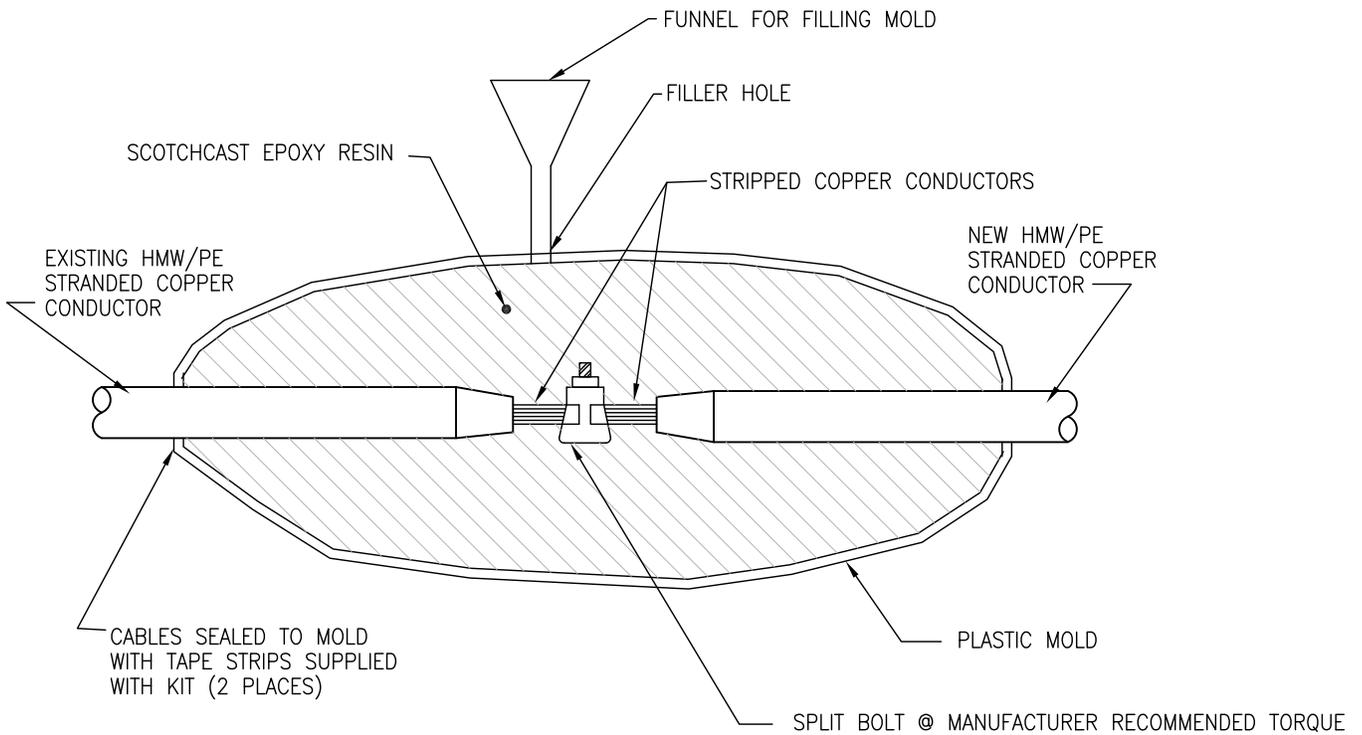
SUPPLIER	MODEL#	SIZE
T+B	HS12-6	#12-#6
T+B	HS12-6L	#12-#6
T+B	HS12-6-4	#12-#6

ISSUED:		STANDARD DETAIL		DETAIL NO.
6/97		SPLICING DETAIL		SD-707
REVISED:				SHEET 1 OF 3
1/17				



SPLICING WRAPS
FOR SACRIFICIAL ANODES

NOTE:
FOR NON-IMPRESSED CURRENT LOADS.
DO NOT USE ON IMPRESSED LOADS
(I.E.: ANODES OR NEGATIVE STRUCTURE LEAD)

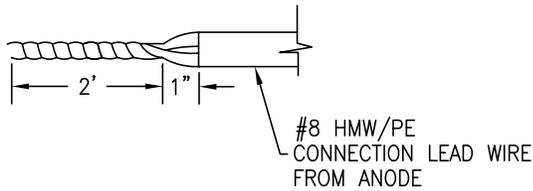


APPROVED MATERIALS: SCOTCHCAST RESIN SPLICING KIT
BURNDY SPLIT BOLTS.

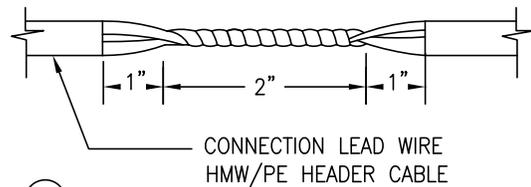
NOTE: USE ON IMPRESSED CURRENT WIRES(I.E.: ANODES+NEGATIVE STRUCTURE LEAD)

EPOXY RESIN CABLE SPLICE DETAIL

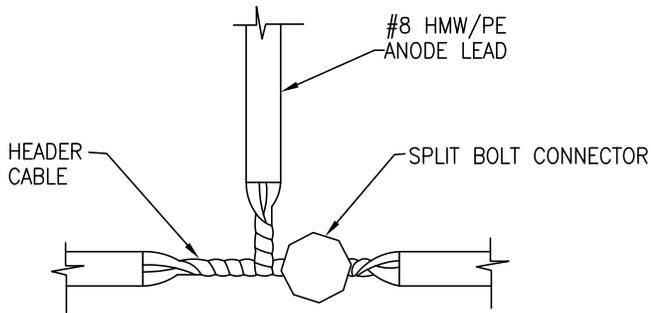
ISSUED:		STANDARD DETAIL		DETAIL NO.
6/97		SPLICING DETAIL		SD-707
REVISED:				SHEET 2 OF 3
1/17				



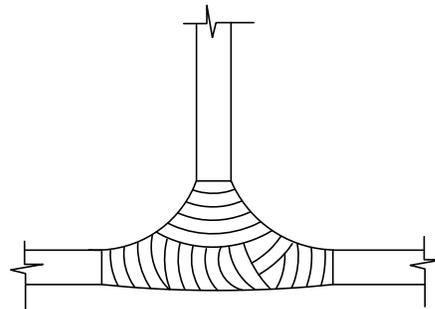
① CABLE PREPARATION



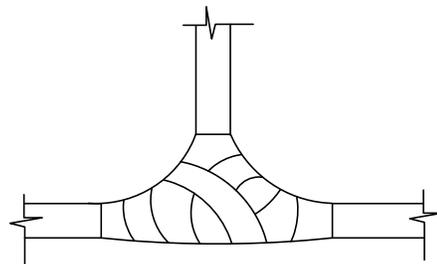
②



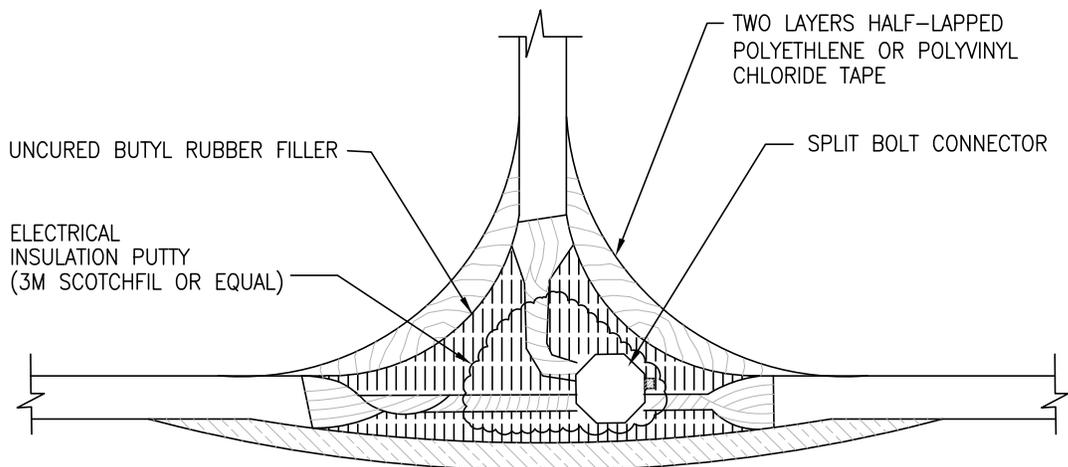
③ SPLIT BOLT CONNECTOR



④ TWO LAYERS HALF-LAPPED POLYETHYLENE OR
POLYVINYL CHLORIDE TAPE (ELECTRICIAN TAPE)



⑤ SECTION OF COMPLETED SPLICE



SPLIT BOLT CONNECTION

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9/17				