

- 9). CONDUIT ENDS FOR INCOMPLETE DUCT LINES (STUBS) ARE TO REMAIN EXPOSED FROM THE ENCASEMENT FOR FUTURE RETRIEVAL. THE ENDS SHALL BE CAPPED WATERTIGHT AND HAVE AN ELECTRONIC MARKER INSTALLED.
- 10). EACH CONDUIT OF A CONCRETE ENCASED DUCT SHALL BE INSPECTED BY PULLING A DISK MANDREL OF PROPER SIZE THRU IT'S ENTIRE LENGTH AS SOON AS POSSIBLE AFTER ENCASEMENT TO VERIFY INTEGRITY.
- 11), EACH 6" CONDUIT SHALL HAVE A 6000 LB PULL TAPE INSTALLED.

APPROVED VENDORS FOR (TSN 300325) 6" BASE SPACER & (TSN 300332) 6" INTERMEDIATE SPACER.

- 1). CARLON (BASE PART NUMBER S288RLN) & (INTERMEDIATE PART NUMBER S289RLN).
- 2). CANTEX INDUSTRIES (BASE PART NUMBER 5336039) & (INTERMEDIATE PART NUMBER 5336038)

APPROVED VENDORS FOR (TSN 300398) 6" TYPE II DB-60 PVC SOLID WALL CONDUIT.

- 1). CANTEX INDUSTRIES (PART NUMBER A79GA42)
- 2), PRIME CONDUIT (PART NUMBER 48817)
- 3), HERITAGE PLASTICS (PART NUMBER 53602)

APPROVED BY ONCOR

CONCRETE ENCASED CONDUIT SYSTEMS

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COPYNORT 3019 ONCOR ELECTRIC DELIVERY COMPANY ALL MORTS RESERVED

THE CHEMICALS USED IN SOLVENT WELDING OF CONDUIT ARE INTENDED TO PENETRATE THE SURFACE OF BOTH PIPE AND FITTING, WHICH AFTER CURING RESULT IN A COMPLETE FUSION AT THE JOINT. THE OVER USE OR UNDER USE OF CHEMICALS RESULTS IN LEAKY JOINTS OR WEAKENED PIPE.

- A. REMOVE ALL DUST, DIRT, AND MOISTURE FROM SURFACES TO BE CEMENTED EITHER BY MECHANICAL OR CHEMICAL CLEANING.
 - 1. MECHANICAL CLEANING FINE ABRASIVE PAPER OR CLOTH (180 GRIT OR FINER) OR CLEAN OIL-FREE STEEL
 - 2. CHEMICAL CLEANING CLEANER RECOMMENDED BY MANUFACTURER OR EQUIVALENT (METHYL ETHYL
- B. WITH A NON-SYNTHETIC BRISTLE BRUSH APPLY AN EVEN COATING OF CEMENT TO THE OUTSIDE OF THE PIPE AND INSIDE THE SOCKET. MAKE SURE THAT THE AMOUNT OF CEMENT APPLIED TO THE CONDUIT IS EQUAL TO THE DEPTH OF THE SOCKET. BEFORE ASSEMBLY, IF SOME EVAPORATION OF SOLVENT FROM THE SURFACES TO BE JOINED IS NOTED, REAPPLY CEMENT, THEN ASSEMBLE.

IF CEMENT BEING USED HAS AN APPRECIABLE CHANGE IN VISCOSITY OR SHOWS SIGNS OF JELLING, IT SHALL BE DISCARDED. IN NO CASE SHALL THINNER BE USED IN AN ATTEMPT TO RESTORE JELLED PVC CEMENT. THINNER MAY ONLY BE USED TO CHANGE THE VISCOSITY OF A MEDIUM BODIED CEMENT TO THAT OF A REGULAR BODIED CEMENT FOR APPLICATION ON PVC PIPE SMALLER THAN 2 1/2 INCH DIAMETER A MEDIUM BODIED CEMENT SHALL BE USED ON 2 1/2 TO 6 INCH PVC PIPE.

IN COLD WEATHER, USE A PRIMER TO SOFTEN THE JOINING SURFACES BEFORE APPLYING CEMENT. ALLOW LONGER CURE TIME. (SEE ITEM E).

- C. JOIN PIPE WITHIN 20 SECONDS OF APPLYING CEMENT. TURN THE PIPE 1/4 TURN TO ENSURE EVEN DISTRIBUTION OF CEMENT ON SURFACES TO BE BONDED. MAKE SURE THAT PIPE IS INSERTED TO THE FULL DEPTH OF THE
- D. CLEAN OFF ANY BEAD OR EXCESS CEMENT THAT APPEARS AT THE OUTER SHOULDER OF THE FITTING. EXCESS CEMENT ALLOWED TO REMAIN IN CONTACT WITH THE MATERIAL CAN CAUSE WEAKENING OF THE MATERIAL, AND SUBSEQUENT FAILURE.
- E. NEWLY ASSEMBLED JOINTS SHOULD BE HANDLED CAREFULLY UNTIL THE CEMENT HAS CURED TO THE RECOMMENDED SET PERIOD. SET PERIODS ARE RELATED TO THE AMBIENT TEMPERATURE AS FOLLOWS:

30 MIN. MINIMUM AT 60° TO 100° F

- 1 HR. MINIMUM AT 40° TO 60°F
- 2 HR. MINIMUM AT 200 TO 400 F
- 4 HR. MINIMUM AT 0° TO 20°F

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INSTRUCTIONS FOR JOINING PVC CONDUIT

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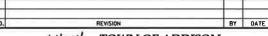
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,P.E. 10-24-13

FIRM REGISTRATION NUMBER: 312



TOWN OF ADDISON DALLAS COUNTY, TEXAS

> BELT LINE ROAD UNDERGROUND ELECTRICAL

ONCOR DUCT BANK DETAIL 4E6

HALFF 1201 NORTH BOWSER ROAD, RICHARDSON, TEXAS 75081-2275 TEL (214) 348-8200 FAX (214) 758-0095					
PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
29350	HALFF	HALFF	0CT. 2013	29350 ELEC 22d	ELE-2

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