

**WINDSOR COMMUNICATIONS, INC.
INSTALLATION INSTRUCTIONS**

**10.00 INSTALLATION INSTRUCTIONS
MODEL 720-70-OPGW**

10.10 Loosen the compression bolts in both end caps. The bolt heads should be "backed-off" approximately 1/8" to 3/16" from the washers. Remove the closure housing and put it aside.

10.11 To insure proper drilling of the compression material, it should be held firmly in a "relaxed" state. The method used to accomplish this is to drill the holes while the seal is between the end plates. The bolts should be loose enough to allow the elastomer seal to "relax" but the bolt heads should be against the outer end plate to keep the end plates from moving while drilling.

Select drill bits 1/32" larger than the aluminum tube of the OPGW cable's outside diameter. Hold the closure firmly and drill the cable entry port holes through the polyurethane seal. The elastomer has a counter-sink to help guide drill bit through center of split. The drill should be held perpendicular to the seal and a medium, even pressure applied. Don't force the bit, let it "cut" through the seal.

NOTE: Never use a paddle/spade or auger type bit. Use a twist type bit or a brad point twist type bit.

Figure 1

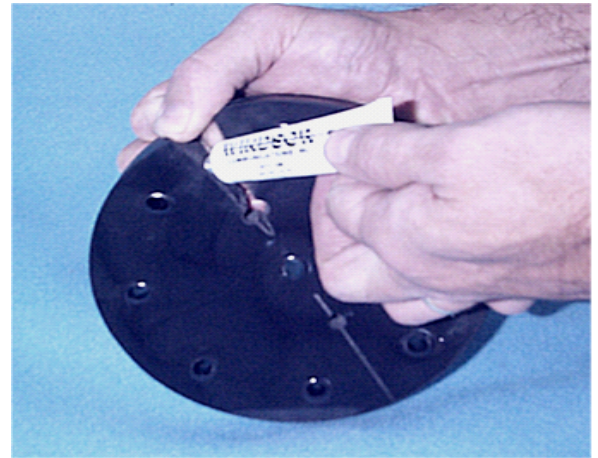


10.12 Prepare the cable per standard local practice. The amount of buffer tube to be exposed will be determined by the amount of spare buffer tube desired and the amount of fiber in the tray. Recommended buffer tube length is 40". The total length of buffer tube to be exposed will be dictated by the amount of fiber to be exposed in the splice tray.

Recommended fiber length in splice trays is 36". Based on the recommendation, total buffer tube to be exposed is 76". There should be a minimum of 4" of aluminum rod beyond the stranded portion of the cable butt.

10.13 With the RTV silicone provided, run a bead on the outside of the aluminum tube/extruded rod, where it will contact the compression seal. Run a bead of RTV along the center of the split compression seal split, ensuring that some RTV goes into the drilled cable holes. Also ensure there is a bead of RTV the entire length of the center of the split.

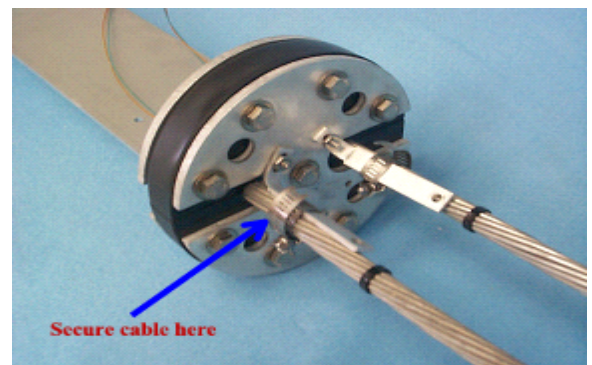
Figure 2



10.14 Insert the cables in the slotted end plate with the stranded cable against the compression seal. Only the central tube will go through the elastomer.

10.15 Secure the OPGW cable using the cable clamps to the stand-off bracket on the outside end plate.

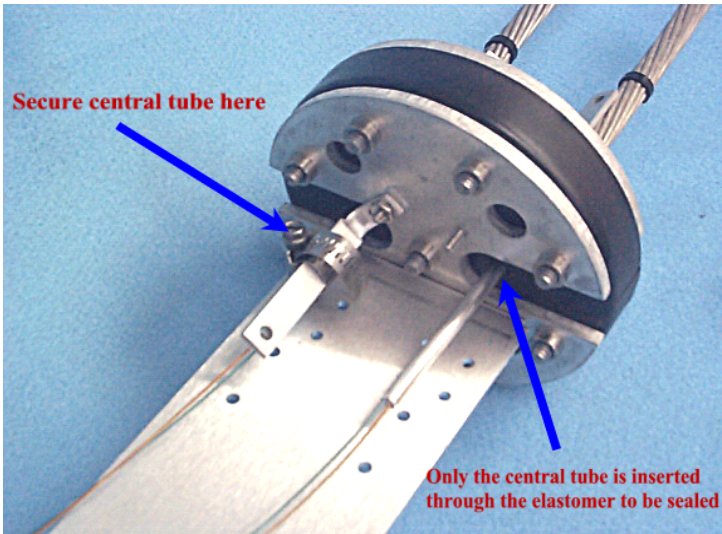
Figure 3



10.16 Secure the central tube using the cable clamps to the stand-off bracket on the inside end plate.

NOTE: Stand off brackets are adjustable and need to be "even" or "flush" with cable or central tube.

Figure 4



10.17 Tie wrap the buffer tube to the splice tray and splice fibers in accordance with standard/local practices.

10.18 Install the splice trays on the platform. The buffer tubes should be "dressed" with tie wraps so that they are in a neat and orderly bundle. Secure the splice trays on the platform using wraps of electrical tape or tie wraps on each end of trays and platform, taking care not to crush the splice trays or buffer tubes.

Figure 5



10.19 Slide the closure into the housing and tighten the compression bolts on both end caps. The bolts should be tightened one full turn after the bolt heads contact the washer.

Begin with center bolt and move to Surrounding bolts.

Figure 6

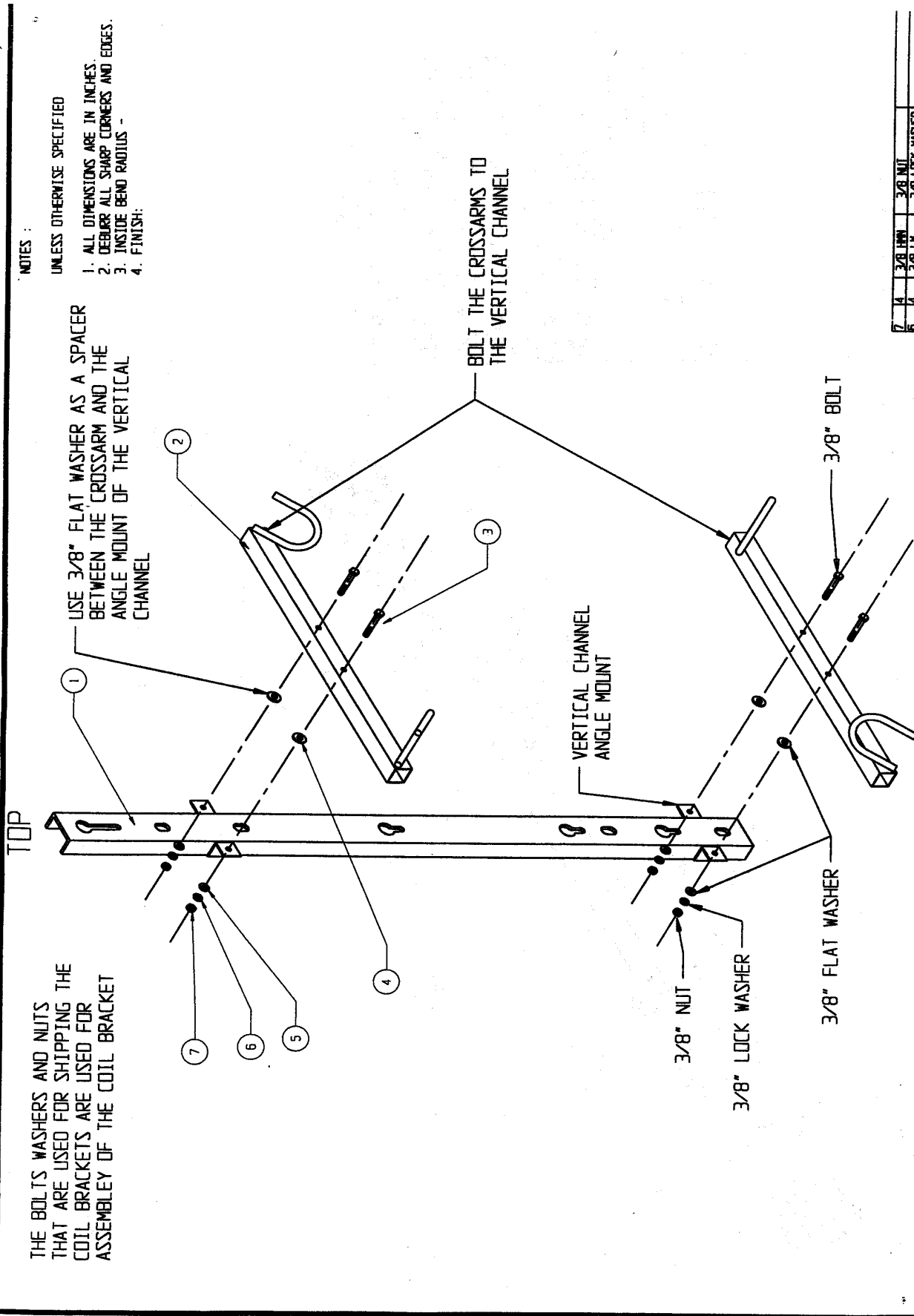


10.20 If closures are ordered with air-valve, flash testing may be performed. No more than 6 lbs. per square inch of pressure shall be applied. After ensuring integrity of seal, relieve air pressure.

THE BOLTS WASHERS AND NUTS THAT ARE USED FOR SHIPPING THE COIL BRACKETS ARE USED FOR ASSEMBLY OF THE COIL BRACKET

NOTES :

- UNLESS OTHERWISE SPECIFIED
1. ALL DIMENSIONS ARE IN INCHES.
 2. DEBURR ALL SHARP CORNERS AND EDGES.
 3. INSIDE BEND RADIUS -
 4. FINISH:



REV.	01	02/04/02	INITIAL RELEASE	J. ROBERTS	LKS
			DESCRIPTION	AUTHORITY	DR. BY
			DATE		
			FILE: 720-CB-EA-01		
			SCALE: NONE		
			DATE: 02/04/02		

QTY	PART NO.	DESCRIPTION	MATERIAL
7	3/8 INH	3/8 NUT	
4	3/8 LV	3/8 LOCK WASHER	
5	3/8 FN	3/8 FLAT WASHER	
4	3/8 FN	3/8 FLAT WASHER	
4	3/8 FN	3/8 FLAT WASHER	
3	3/8 HAS	3/8 X 2-1/2-16 BOLT	
2	7/16	CROSSARM CROSSBAR	
2	7/16	CROSSARM VERTICAL CHANNEL	
IDENTITY: PART NO. DESCRIPTION MATERIAL			
TITLE			PART NUMBER
720-CB COIL BRACKET ASS'Y			720-CB-EA
			WINDSOR COMMUNICATIONS, INC.

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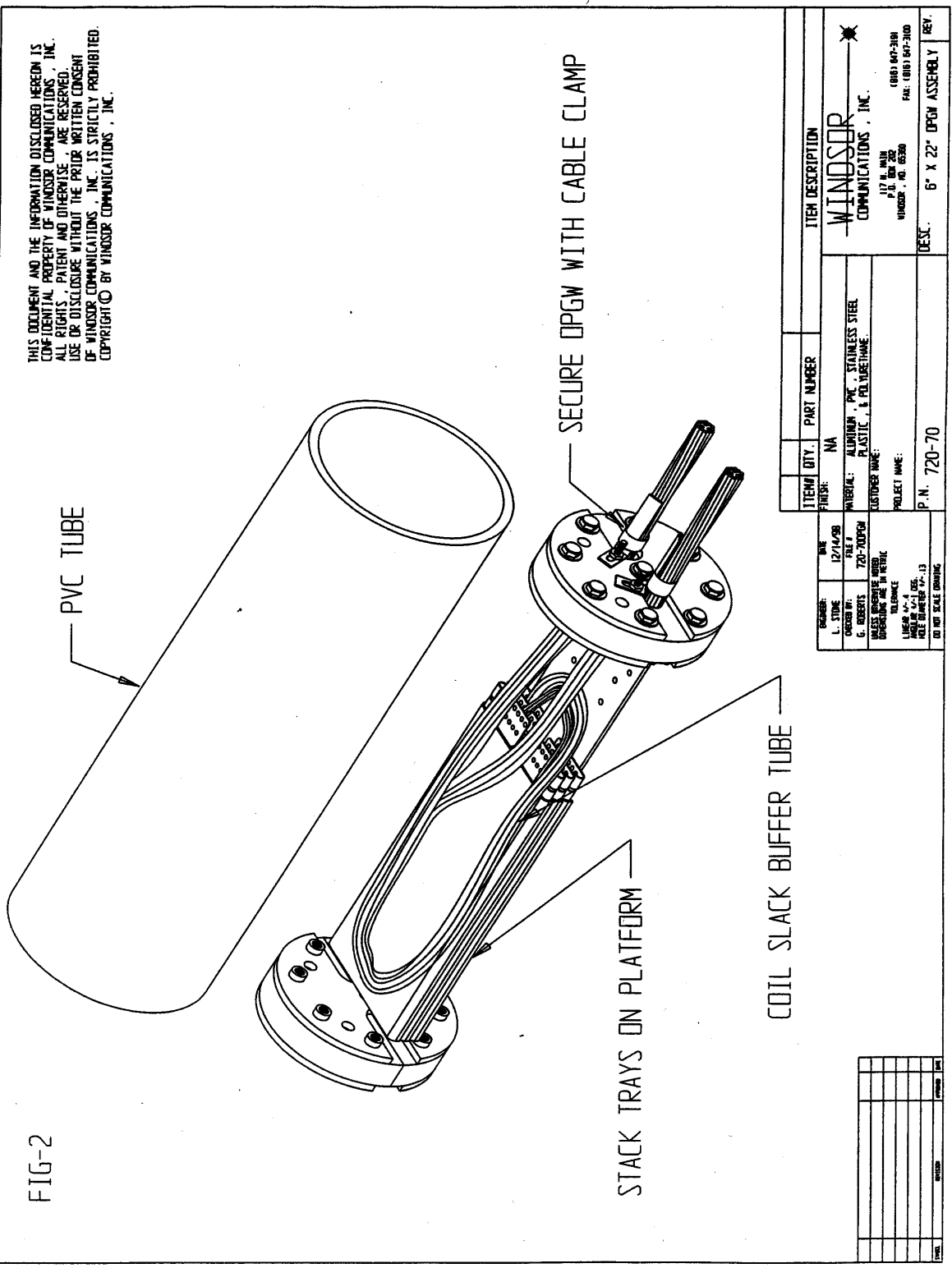


FIG-2

DATE: 12/14/98	ITEM QTY.: NA	PART NUMBER	ITEM DESCRIPTION
DRAWN BY: L. STONE	FINISH: NA		WINDSOR COMMUNICATIONS, INC.
DESIGNED BY: G. ROBERTS	MATERIAL: ALUMINUM, PVC, STAINLESS STEEL		117 N. MAIN
ISSUED BY: M. WOOD	PLASTIC, & POLYURETHANE		P.O. BOX 202
DESIGNED BY: M. WOOD	COLOR/PAINT NAME:		WINDSOR, MD. 65360
ISSUED BY: M. WOOD	PROJECT NAME:		(800) 647-3100
DATE: 12/14/98	P.N.: 720-70		DESC.: 6" X 22" OPGW ASSEMBLY REV.
SCALE: 1:1			
BY: M. WOOD			
CHECKED BY: M. WOOD			
APPROVED BY: M. WOOD			
DATE: 12/14/98			
SCALE: 1:1			
BY: M. WOOD			
CHECKED BY: M. WOOD			
APPROVED BY: M. WOOD			