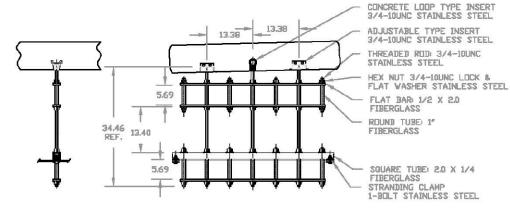
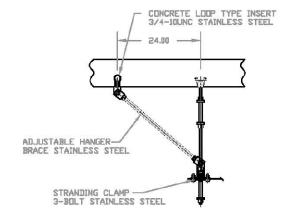
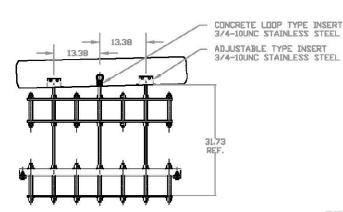
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STANDARD SUPPORT HANGER WITH STRANDING CLAMPS





ABUTMENT SUPPORT HANGER WITH STRANDING CLAMPS AND BRACING

Stainless steel Hardware Items Threaded Rod

Condux International, Inc. Support hanger meet the following specifications Fiberglass Items

riberglass items
Flat Bari ½ x 2.0
Round Tube: 1.0° 1.10. 1.05 wall
Square Tube: 2 x 2 x 1/4
Fiberglass reinforced with polyester resin with surface
vell for better weathering, resin shall contains u.v.
Inhibitor. Fiberglass is node with continuous strand mat
and uni-directional roving.

and uni-directional roving.
gray in color
Tensile Strength (ASTM D 638) 30,000 PSI
Tensile Nodules (ASTM D 638) 2.3E6 PSI
Flexural Strength (ASTM D 790) 30,000 PSI
Flexural Modules (ASTM D 790) 2.3E6 PSI
Compressive Strength (ASTM D 695 20,000 PSI
Compressive Modules 1.4E6 PSI
Yield shear strength 2000 PSI
Barcol hardness 50
Dielectric strength (ASTM D 149) 200 VPM Min. Dielectric strength (ASTM D 149) 200 VPM Min.

Threaded rod meets (ASTM/ASME B1.1) (ASTM A307 Grade A) (Tensile Strength 60,000 Hexnut meets (ANSI/ASME B18.2.2) Material: 316 Stainless steel (ASTM F594) Flatwasher Flatwasher meets (ANSI/ASME BL8,22.1) Material: 316 stainless steel (ASTM F436) Lockwasher Lockwasher meets (ANSI/ASME B18.21.1) Material: 316 Stainless steel (ASTM F436) Stranding Items
Stranding Clamps (1-Bolt & 3-Bolt)
Material 1/4 x 1.5 (316 Stainless Steel)

Stranding Vire Cable: K* Ila (7 X 19 Steel Aircraft) 304 Stainless Steel Bracing Adjustable hanger attachment brackets Materiali angle 2.5 x 2.5 x 25 (316 Stainlss

NO PART OF THE CONDUIT SUPPORT HANGER CAN EXTEND BELOW THE BRIDGE DECK

FOR INFORMATION ONLY

WORK TO BE PERFORMED BY OTHERS

OF INSERTS INTO SUPERSTRUCTURE

WITH THE EXCEPTION OF PLACEMENT

GIRDER EXTENDED RODS MAY NEED TO BE ALTERED

DRAWING APPROVAL	
APPROVE THIS DRAWIN	G FOR MANUFACTURING
Note ALL MEASUREMENTS AR NOTED OTHERWISE	E IN INCHES UNLESS

	REVISIONS						
Z	ONE	REV	DESCRIPTION	DATE	APPROVED		

CURRENT BILL OF MATERIAL

ITEN NO	PART NEL	DESCRIPTION	9TY	UNIT
1	TBA	STANDARD COMULT SUPPLRY HANCER 2 HIGH X 6 VIDE FIBERGLASS AND STADNESS STEEL, DPENING FOR EIGHT 5' FGL DUCTS THREADED RODS THREE 8 3/4-10JNC X 3800 LING	26	EA
2	08610236	HANGER BRACE AUJUSTABLE: 36 INCH STAINLESS STEEL	6	EA.
3	08409990	CONCRETE INSERT: 3/4-10 LIDP TYPE, STAINLESS STEEL	35	EA.
4	09558300	CONCRETE INSERT SETTING PLUG 3/4-10	35	EA.
5	08409929	CUNCRETE INSERT ADJUSTABLE: 3/4-10 STAINLESS STEEL	52	EA.
6	08408950	STRANDING WIRE & X 500 FT., STAINLESS STEEL	2	EA.
7	08409404	GUY STRAND CLAMP: 3-BOLT, STADILESS STEEL	6	EA.
8	08409504	GUY STRAND CLAMP 1-BOLT, STADILESS STEEL	46	EA.
9	08460053	053 CINDUIT FIBERGLASS 5' IPS, NV (5.57 ILD. X .096 VALL) MEETING NEWA TC-14A		FT.
10	08460153	CONDUCT STOP COUPLING 5' IPS NV	10	EA.
11	08460453	CONDUCT EXPANSION JOINT O-RING TYPE: 5' IPS MV	16	EA
12	00460953	CONDUCT SPLIT STOP RING 5' IPS MV	16	EA.
13	09461353	CONDUCT ADAPTERS 5' IPS NW TO 5' GRC	16	EA.
14	08463402	CONDUCT EPOXY ADHESIVE CARTRIDGE:	25	EA
15	02288990	CONDUCT EPOXY ADHESIVE GUN	1	EA

General Construction. Hanger and Condult Notes.
1.0 Recommended spacing between Support is 10 foot.
2.0 Support Hanger Material shall be manufactured using 316 stainless steel and fiberglass components.
3.0 Condult is 5 inch Fiberglass with minimum wall thickness of .096 inch neeting NEMA TC- 14A Specs.
4.0 Conduit joints shall be positive locking adhesive bonded bell and splont. spigot. 5.0 Conduit expansion joints shall be sliding sleeve with provision for 8 5.0 Conduit expansion juries show a lock out or be sleeved to allow inch of travel.
6.0 Bridge abutments must have a block out or be sleeved to allow the fiberglass conduit to pass through. After conduit is placed through abutment seal up opening with state approved sealant.
7.0 Place concrete inserts for future support system. Hangers will be installed at a later date.
8.0 Conduit support hangers weight 2525 LBS total

Sibonaless conduit weight 2807 LBS total Fiberglass conduit weight 2807 LBS total cable weight weight 18,942 LBS total

Grand total being placed on the bridge is 24,274 LBS.

0.00							
HA	NDUIT SUPPORT NGER DETAIL AND LL OF MATERIALS	CONDUX INTERNATIONAL, INC. MANKATO MN PH. 800-533-2077					
		Project: ComEd Peoria Street Bridge over F.A.I. 290 Eisenhower Exppressway, Cook County Illinois					
W	EIGHT: 0.0 LBS EA	SIZE	FSCM NO.		DWG NO.	SHEET: 51 of 55	REV
QL	JOTE NO. 3985214497	SCALE	1/2	DATE:	10-03-2013	SHEET 183 □F 356	

