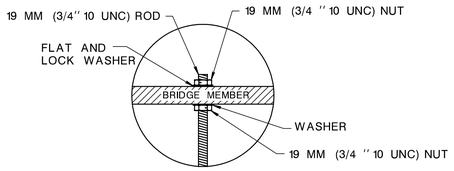

DETAIL D
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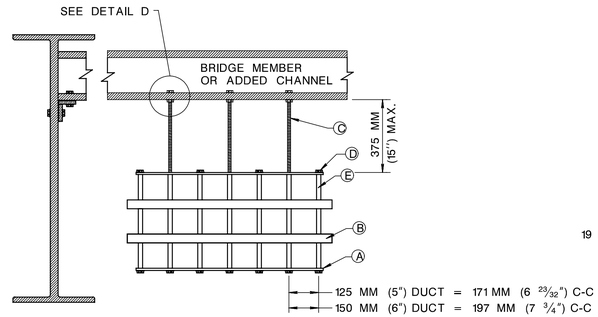
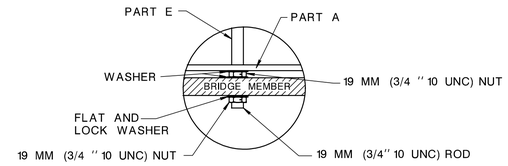


ANCHOR
SECTION A-A



DETAIL E
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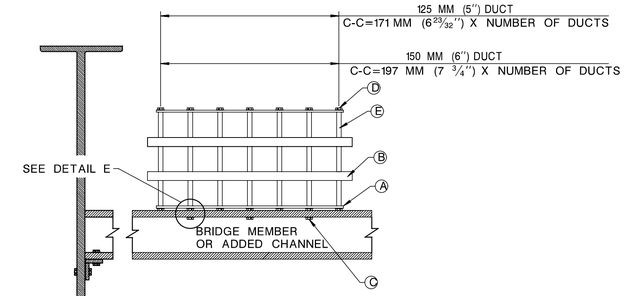

BASE ANCHOR
SECTION B-B

NOTE: FOR LOCATION OF SECTION A-A AND B-B, SEE SHEET 1 OF 2

ANCHOR FOR 125 MM (5") FIBERGLASS DUCT																								
NUMBER OF DUCTS WIDE																								
			1			2			3			4			5			6						
	PART	NO. REQ'D	LENGTH MM	(IN)	NO. REQ'D	LENGTH MM	(IN)	NO. REQ'D	LENGTH MM	(IN)	NO. REQ'D	LENGTH MM	(IN)	NO. REQ'D	LENGTH MM	(IN)	NO. REQ'D	LENGTH MM	(IN)					
NUMBER OF DUCTS HIGH 1	A	1	221	(8.72)	1	392	(15.44)	1	563	(22.16)	1	734	(28.88)	1	904	(35.59)	1	1075	(42.32)					
	B	1	323	(12.72)	1	494	(19.44)	1	664	(26.16)	1	835	(32.88)	1	1006	(39.59)	1	1177	(46.32)					
	C	2	696	(27.42)	2	696	(27.42)	2	696	(27.42)	2	696	(27.42)	2	696	(27.42)	2	696	(27.42)					
	D	0		-	1	272	(10.72)	2	272	(10.72)	3	272	(10.72)	4	272	(10.72)	5	272	(10.72)					
	E	2	145	(5.72)	3	145	(5.72)	4	145	(5.72)	5	145	(5.72)	6	145	(5.72)	7	145	(5.72)					
TOTAL WEIGHT KG (Lbs.)		4.0		(8.8)		5.2			6.3			7.6			8.6			9.9						
NUMBER OF DUCTS HIGH 2	A	2	221	(8.72)	2	392	(15.44)	2	563	(22.16)	2	734	(28.88)	2	904	(35.59)	2	1075	(42.32)					
	B	1	323	(12.72)	1	494	(19.44)	1	664	(26.16)	1	835	(32.88)	1	1006	(39.59)	1	1177	(46.32)					
	C	2	854	(33.63)	2	854	(33.63)	2	854	(33.63)	2	854	(33.63)	2	854	(33.63)	2	854	(33.63)					
	D	0		-	1	431	(16.95)	2	431	(16.95)	3	431	(16.95)	4	431	(16.95)	5	431	(16.95)					
	E	4	145	(5.72)	6	145	(5.72)	8	145	(5.72)	10	145	(5.72)	12	145	(5.72)	14	145	(5.72)					
TOTAL WEIGHT KG (Lbs.)		5.2		(11.5)		6.9			8.8			10.6			12.2			14.0						
NUMBER OF DUCTS HIGH 3	A	2	221	(8.72)	2	392	(15.44)	2	563	(22.16)	2	734	(28.88)	2	904	(35.59)	2	1075	(42.32)					
	B	2	323	(12.72)	2	494	(19.44)	2	664	(26.16)	2	835	(32.88)	2	1006	(39.99)	2	1177	(46.32)					
	C	2	1051	(41.38)	2	1051	(41.38)	2	1051	(41.38)	3	1051	(41.38)	3	1051	(41.38)	3	1051	(41.38)					
	D	0		-	1	627	(24.67)	2	627	(24.67)	3	627	(24.67)	4	627	(24.67)	5	627	(24.67)					
	E	6	145	(5.72)	9	145	(5.72)	12	145	(5.72)	15	145	(5.72)	18	145	(5.72)	21	145	(5.72)					
TOTAL WEIGHT KG (Lbs.)		6.4		(14.0)		8.8			11.3			13.7			15.8			18.4						
ANCHOR FOR 150 MM (6") FIBERGLASS DUCT																								
NUMBER OF DUCTS HIGH 1	A	1	248	(9.76)	1	445	(17.52)	1	642	(25.28)	1	839	(33.04)	1	1036	(40.80)	1	1233	(48.56)					
	B	1	350	(13.76)	1	547	(21.52)	1	744	(29.28)	1	941	(37.04)	1	1138	(44.80)	1	1335	(52.56)					
	C	2	715	(28.13)	2	715	(28.13)	2	715	(28.13)	2	715	(28.13)	2	715	(28.13)	2	715	(28.13)					
	D	0		-	1	283	(11.13)	1	283	(11.13)	3	283	(11.13)	4	283	(11.13)	5	283	(11.13)					
	E	2	172	(6.76)	3	172	(6.76)	3	172	(6.76)	5	172	(6.76)	6	172	(6.76)	7	172	(6.76)					
TOTAL WEIGHT KG (Lbs.)		4.3		(9.4)		5.5			6.8			8.0			9.3			10.6						
NUMBER OF DUCTS HIGH 2	A	2	248	(9.76)	2	445	(17.52)	2	642	(25.28)	2	839	(33.04)	2	1036	(40.80)	2	1233	(48.56)					
	B	1	350	(13.76)	1	547	(21.52)	1	744	(29.28)	1	941	(37.04)	1	1138	(44.80)	1	1335	(52.56)					
	C	2	899	(35.39)	2	899	(35.39)	2	899	(35.39)	2	899	(35.39)	2	899	(35.39)	2	899	(35.39)					
	D	0		-	1	467	(18.39)	2	467	(18.39)	3	467	(18.39)	4	467	(18.39)	5	467	(18.39)					
	E	4	172	(6.76)	6	172	(6.76)	8	172	(6.76)	10	172	(6.76)	12	172	(6.76)	14	172	(6.76)					
TOTAL WEIGHT KG (Lbs.)		5.5		(12.1)		7.4			9.4			11.4			13.4			15.4						
NUMBER OF DUCTS HIGH 3	A	2	248	(9.76)	2	445	(17.52)	2	642	(25.28)	2	839	(33.04)	2	1036	(40.80)	2	1233	(48.56)					
	B	2	350	(13.76)	2	547	(21.52)	2	744	(29.28)	2	941	(37.04)	2	1138	(44.80)	2	1335	(52.56)					
	C	2	1121	(44.12)	2	1121	(44.12)	2	1121	(44.12)	3	1121	(44.12)	3	1121	(44.12)	3	1121	(44.12)					
	D	0		-	1	689	(27.12)	2	689	(27.12)	3	689	(27.12)	4	689	(27.12)	5	689	(27.12)					
	E	6	172	(6.76)	9	172	(6.76)	12	172	(6.76)	15	172	(6.76)	18	172	(6.76)	21	172	(6.76)					
TOTAL WEIGHT KG (Lbs.)		7.2		(15.8)		9.8			12.1			14.8			17.6			20.4						

NOTE: HANGERS ARE PRE-ASSEMBLED

PART A 13X50 MM (1/2 '' X 2'') FIBERGLASS PLATE

PART B 50X50 MM (2'' X 2'') FIBERGLASS SQUARE TUBING 6 MM (1/4 '') WALL

PART C 19 MM (3/4 '' 10 UNC) THREADED STEEL HANGER. RODS, NUTS AND WASHERS, HOT DIPPED GALVANIZED (HDG) OR ZINC PLATED.

PART D INTERMEDIATE RODS: 19 MM (3/4 '' 10 UNC) THREADED STEEL RODS, NUTS AND WASHERS, HOT DIPPED GALVANIZED (HDG) OR ZINC PLATED

PART E 19 MM (3/4 '') FIBERGLASS SPACER TUBES

BASE ANCHOR FOR 125 MM (5") FIBERGLASS DUCT																								
NUMBER OF DUCTS WIDE																								
			1			2			3			4			5			6						
	PART	NO. REQ'D	LENGTH MM	(IN)	NO. REQ'D	LENGTH MM	(IN)	NO. REQ'D	LENGTH MM	(IN)	NO. REQ'D	LENGTH MM	(IN)	NO. REQ'D	LENGTH MM	(IN)	NO. REQ'D	LENGTH MM	(IN)					
NUMBER OF DUCTS HIGH 1	A	1	221	(8.72)	1	392	(15.44)	1	563	(22.16)	1	734	(28.88)	1	904	(35.59)	1	1075	(42.32)					
	B	1	323	(12.72)	1	494	(19.44)	1	664	(26.16)	1	835	(32.88)	1	1006	(39.59)	1	1177	(46.32)					
	C	2	339	(13.33)	2	339	(13.33)	2	339	(13.33)	2	339	(13.33)	2	339	(13.33)	3	339	(13.33)					
	D	0		-	1	262	(10.33)	2	262	(10.33)	3	262	(10.33)	4	262	(10.33)	4	262	(10.33)					
	E	2	145	(5.72)	3	145	(5.72)	4	145	(5.72)	5	145	(5.72)	6	145	(5.72)	7	145	(5.72)					
TOTAL WEIGHT KG (Lbs.)		2.5		(5.6)		3.7			4.8			6.0			7.1			8.3						
NUMBER OF DUCTS HIGH 2	A	1	221	(8.72)	2	392	(15.44)	2	563	(22.16)	2	734	(28.88)	2	904	(35.59)	2	1075	(42.32)					
	B	1	323	(12.72)	1	494	(19.44)	1	664	(26.16)	1	835	(32.88)	1	1006	(39.59)	1	1177	(46.32)					
	C	2	507	(19.97)	2	507	(19.97)	2	507	(19.97)	2	507	(19.97)	2	507	(19.97)	3	507	(19.97)					
	D	0		-	1	431	(16.97)	2	431	(16.97)	3	431	(16.97)	4	431	(16.97)	4	431	(16.97)					
	E	4	145	(5.72)	6	145	(5.72)	8	145	(5.72)	10	145	(5.72)	12	145	(5.72)	14	145	(5.72)					
TOTAL WEIGHT KG (Lbs.)		3.8		(8.3)		5.5			7.3			9.3			11.1			12.7						
NUMBER OF DUCTS HIGH 3	A	2	221	(8.72)	2	392	(15.44)	2	563	(22.16)	2	734	(28.88)	3	904	(35.59)	2	1075	(42.32)					
	B	2	323	(12.72)	2	494	(19.44)	2	664	(26.16)	2	835	(32.88)	2	1006	(39.59)	2	1177	(46.32)					
	C	2	710	(27.94)	2	710	(27.94)	2	710	(27.94)	2	710	(27.94)	2	710	(27.94)	3	710	(27.94)					
	D	0		-	1	633	(24.94)	2	633	(24.94)	3	633	(24.94)	4	633	(24.94)	4	633	(24.94)					
	E	6	145	(5.72)	9	145	(5.72)	12	145	(5.72)	15	145	(5.72)	18	145	(5.72)	14	145	(5.72)					
TOTAL WEIGHT KG (Lbs.)		5.0		(11.1)		7.3			9.8			12.3			14.5			16.8						
BASE ANCHOR FOR 150 MM (6") FIBERGLASS DUCT																								
NUMBER OF DUCTS HIGH 1	A	1	248	(9.76)	1	445	(17.52)	1	642	(25.28)	1	839	(33.04)	1	1036	(40.80)	1	1233	(48.56)					
	B	1	350	(13.76)	1	547	(21.52)	1	744	(29.28)	1	941	(37.04)	1	1138	(44.80)	1	1335	(52.56)					
	C	2	359	(14.13)	2	359	(14.13)	2	359	(14.13)	2	359	(14.13)	2	359	(14.13)	3	359	(14.13)					
	D	0		-	1	283	(11.13)	2	283	(11.13)	3	283	(11.13)	4	283	(11.13)	4	283	(11.13)					
	E	2	172	(6.76)	3	172	(6.76)	4	172	(6.76)	5	172	(6.76)	6	172	(6.76)	7	172	(6.76)					
TOTAL WEIGHT KG (Lbs.)		2.7		(5.9)		3.9			5.1			6.5			7.8			9.3						
NUMBER OF DUCTS HIGH 2	A	2	248	(9.76)	2	445	(17.52)	2	642	(25.28)	2	839	(33.04)	2	1036	(40.80)	2	1233	(48.56)					
	B	1	350	(13.76)	1	547	(21.52)	1	744	(29.28)	1	941	(37.04)	1	1138	(44.80)	1	1335	(52.56)					
	C	2	543	(21.39)	2	543	(21.39)	2	543	(21.39)	2	543	(21.39)	2	543	(21.39)	3	543	(21.39)					
	D	0		-	1	467	(18.39)	2	467	(18.39)	3	467	(18.39)	4	467	(18.39)	4	467	(18.39)					
	E	4	172	(6.76)	6	172	(6.76)	8	172	(6.76)	10	172	(6.76)	12	172	(6.76)	14	172	(6.76)					
TOTAL WEIGHT KG (Lbs.)		3.9		(8.6)		6.3			8.3			10.3			12.3			15.0						
NUMBER OF DUCTS HIGH 3	A	2	248	(9.76)	2	445	(17.52)	2	642	(25.28)	2	839	(33.04)	2	1036	(40.80)	2	1233	(48.56)					
	B	2	350	(13.76)	2	547	(21.52)	2	744	(29.28)	2	941	(37.04)	2	1138	(44.80)	2	1335	(52.56)					
	C	2	766	(30.15)	2	766	(30.15)	2	766	(30.15)	2	766	(30.15)	2	766	(30.15)	3	766	(30.15)					
	D	0		-	1	690	(27.15)	2	690	(27.15)	3	690	(27.15)	4	690	(27.15)	4	690	(27.15)					
	E	6	172	(6.76)	9	172	(6.76)	12	172	(6.76)	15	172	(6.76)	18	172	(6.76)	21	172	(6.76)					
TOTAL WEIGHT KG (Lbs.)		5.2		(11.5)		8.0			10.8			13.6			16.2			19.0						

THIS SHEET FOR DESIGN INFORMATION ONLY. NOT TO BE INCLUDED IN CONTRACT PLANS

PLATE 2.7 - 2

ADDED BOLT HOLE "C-C" 2
ADDED APPROVED VENDORS

INITIALS	DATE
R. P.	1 NOV 94
R. P.	5 JUNE 92

REVISIONS

SUBJECT: TYPICAL HANGER INSTALLATION OF 125 MM (5'') OR 150 MM (6'') FIBERGLASS CONDUITS FOR STEEL GIRDER BRIDGES

LOCATION

DRAWN BY C. FUEHRER | CHECKED R.P. | APPROVED Original Signed By B. Cornew

DATE 1JUNE92 | SCALE NONE | TITLE Mgr. O.P. Eng'r. & Design

AUTH NUMBER

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
DISTRIBUTION SYSTEMS/ELECTRIC BUSINESS UNIT

DRAWING NUMBER DU-24-S-15346-2

SHEET 2 OF 2 SHEETS

BDC02MB-92 - ORIGINAL SHEET

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