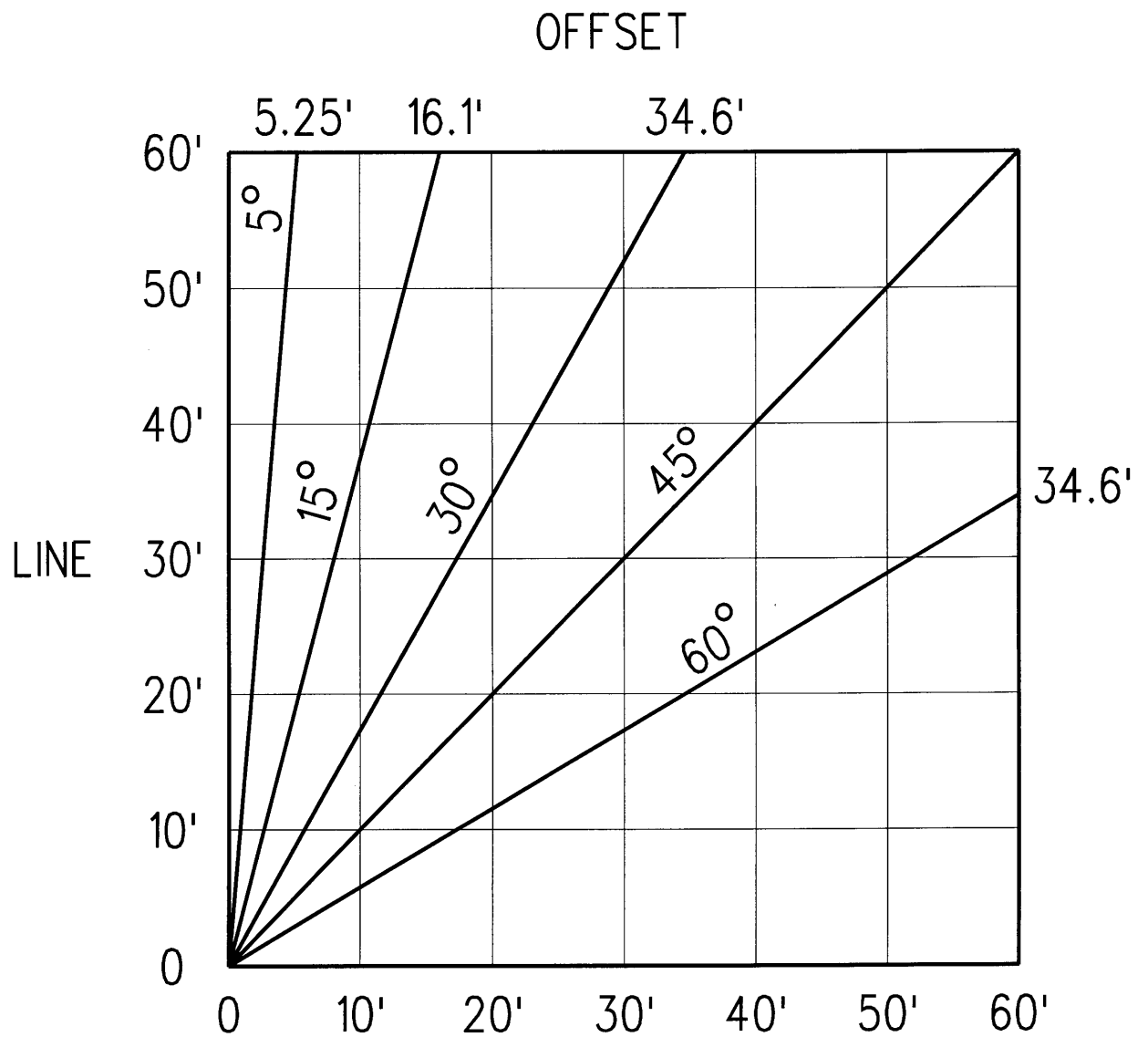


VERTICAL PRIMARY

1. To calculate line angles in the field when plans are not available, use the approximation guide of this section and choose the appropriate plate for that angle.
2. The number(s) in the box indicates the bolt hole location(s) on the pole where the plate is to be installed. Next to this box is also the Sub-Structure used.
3. See SECONDARY Section for neutral locations.
4. Plate Format: The plate name is in bold letters at the top of each construction standard - followed by a brief description. Next, the options for that plate are listed and the corresponding bolt plates if available. The bolt plates are explained in more detail in the BOLT Section. Below the drawing of the construction standard is a complete material list. The structure file will have to be used if the material list for a specific plate option is required.
5. Install mainline insulators always to street side and taps off either street or field side.
6. Install a hot-line clamp (DHLC) on large-wire main lines when small-wire unfused laterals are made.
7. For clearances, see CONDUCTOR Section.
8. Special provisions for clearance should be made when a tap is needed from a pole having an L3 attached.
9. When calling for a tap, the angular or straight bayonet shall be removed. The corner or tubular bayonet is included in the material list of DC20, DC22, and equivalent single and two-phase plates.
10. Split bolt assembly (SH30) is to be used in hole 7 on wood poles only.
11. Plates DC4 and DC4-5 cannot be used with three phase riser plates DUC1, DUC2, and DUC3 due to clearance difficulties with the jumper pin and conductor. DC3 and DC3-5 may be used if suitable.
12. On plates DA21 and DA21-5, if a fused lateral is present, the standoff bracket shall be inverted to give better clearance.
13. FIBERGLASS CONSTRUCTION shall be plated on all feeder poles. Affected feeder poles include those starting at the substation, up to and past the AR (if one exists), and up to (and including) the any Normal Open device or feeder deadend. The fiberglass construction will also extend to (and include) the first lateral protection device poles along that feeder. FIBERGLASS CONSTRUCTION shall also be plated on all concrete and steel poles. FIBERGLASS CONSTRUCTION plates and drawings are displayed here for non-static installation (DC1F-5*636 etc.), but Maximo includes all of the static plates (DC1F*636 etc.).
14. All Fiberglass Construction plates with deadends make use of the 12" fiberglass extension (INS FE 002). The 24" fiberglass extension (INS FE 001) is included only with front side hard taps (DC20F-5, etc.) and double deadends on poles with hook or group switches.

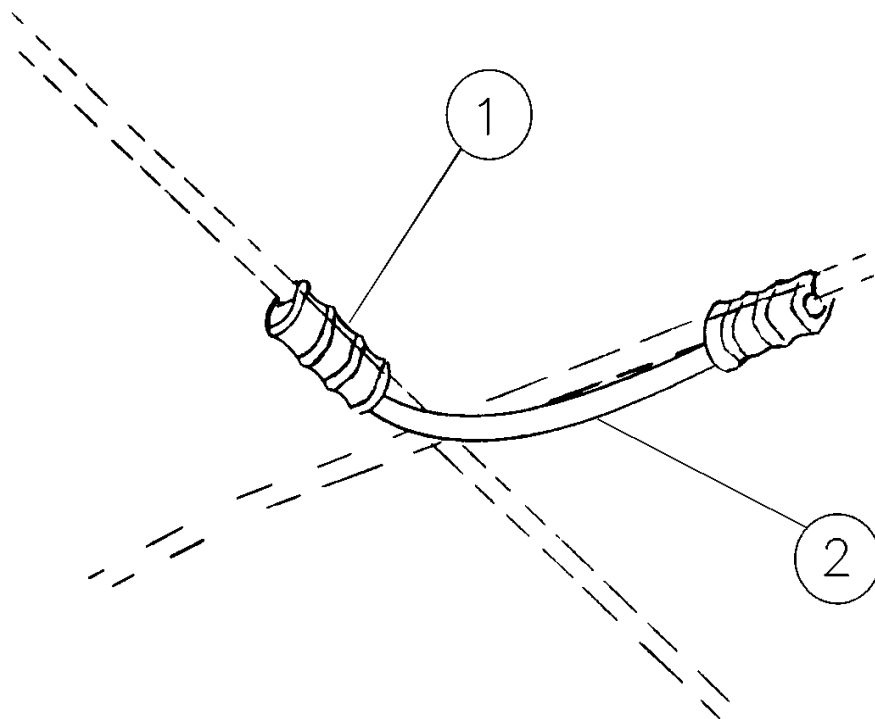
ANGLE APPROXIMATION GUIDE



DX1**FLYING CROSS**

OPTIONS: 2-2, 1/0-2, 1/0-1/0, 3/0-2, 3/0-1/0, 3/0-3/0, 4/0-2, 4/0-1/0, 4/0-4/0, 336-3/0, 336-336, 636-2, 636-3/0, 636-336, 636-636, 3NO6AW

BOLT PLATE: NONE

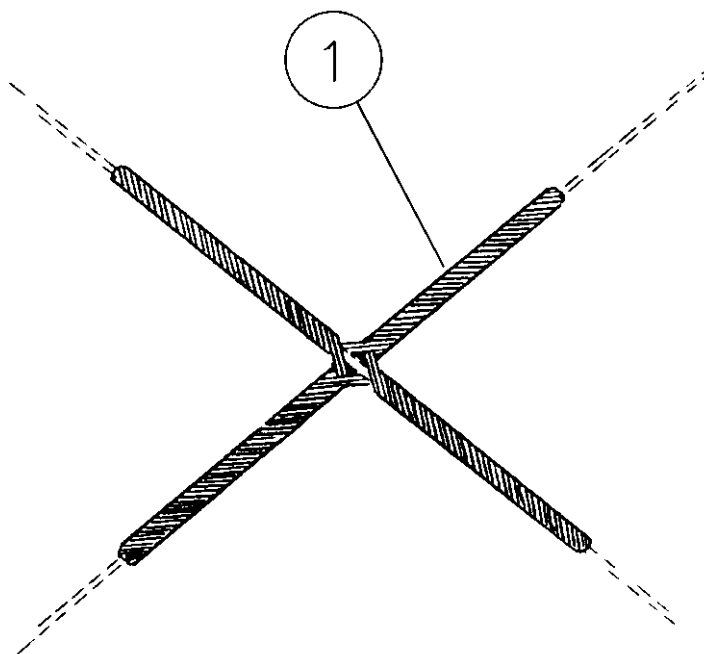


NO.	ITEM ID	QTY	DESCRIPTION
1	CNN ** ***	2	GENERAL CODE FOR TAP CONNECTOR
2	COB ** ***	3	GENERAL CODE FOR CONDUCTOR

DX2**FLYING CROSS**

OPTIONS: 4/0-4/0, 336-336, 636-636

BOLT PLATE: NONE

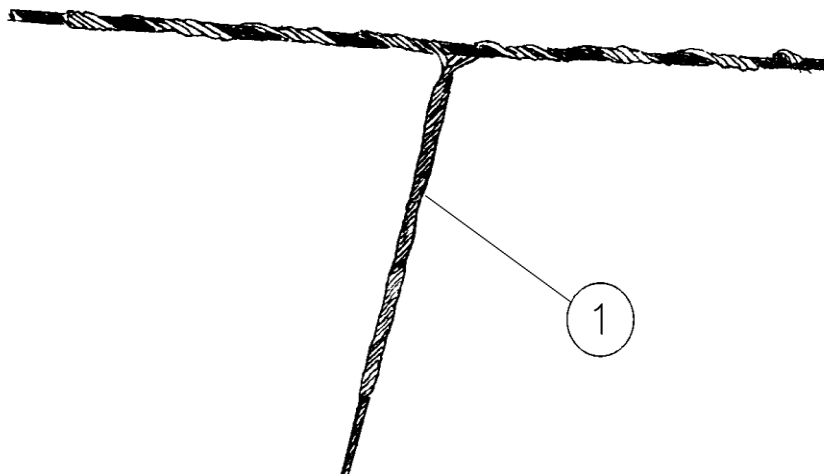


NO.	ITEM ID	QTY	DESCRIPTION
1	CNN PT ***	2	GENERAL CODE FOR PREFORMED TIE

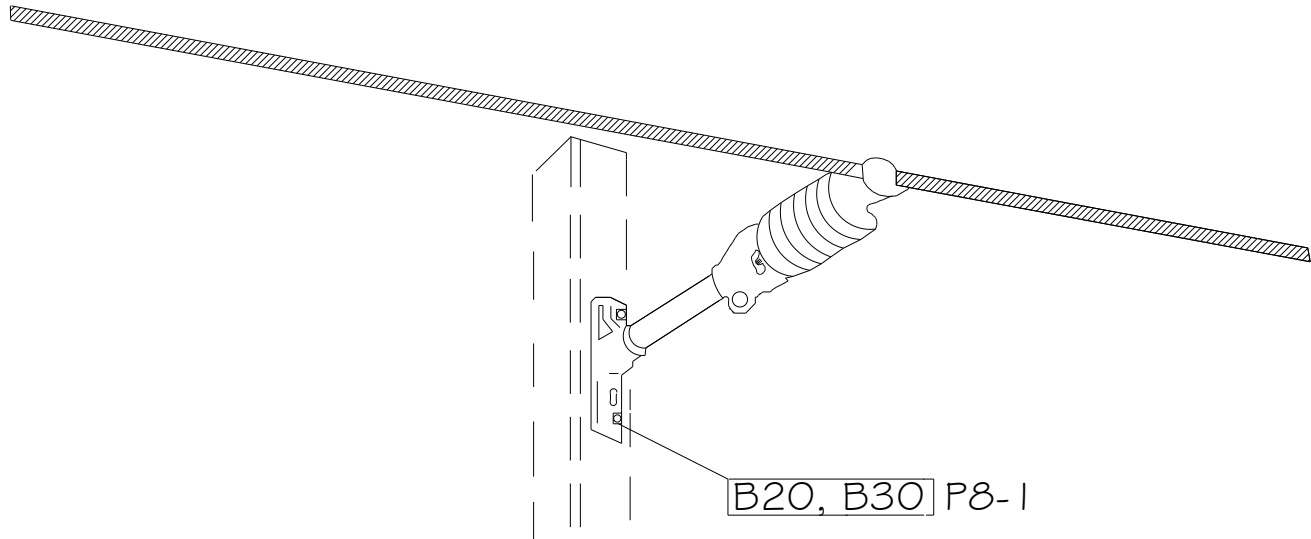
DX3**FLYING CROSS**

OPTIONS: 4/0-4/0, 336-336, 636-636

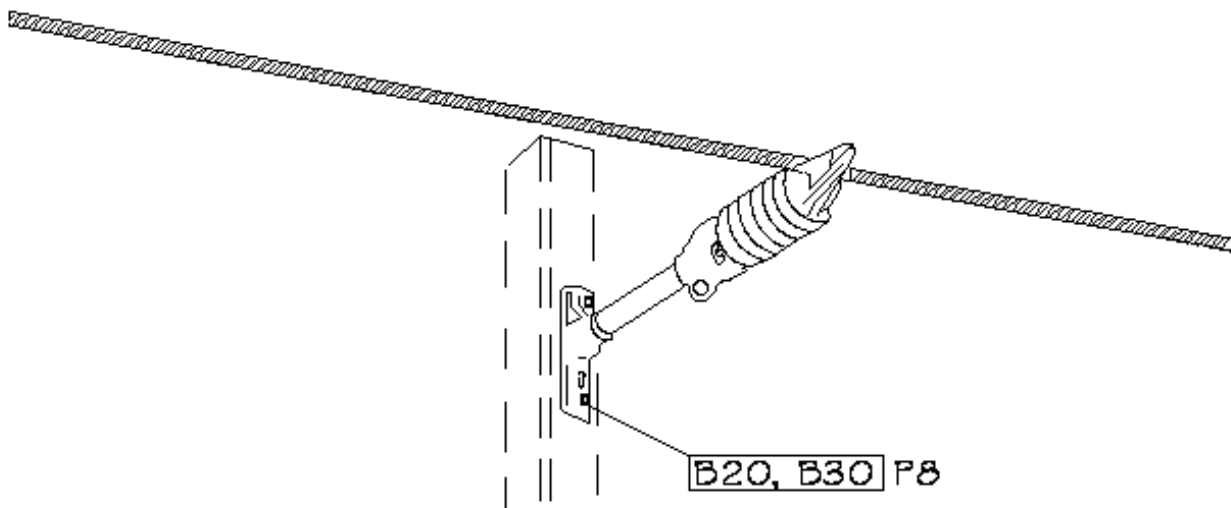
BOLT PLATE: NONE



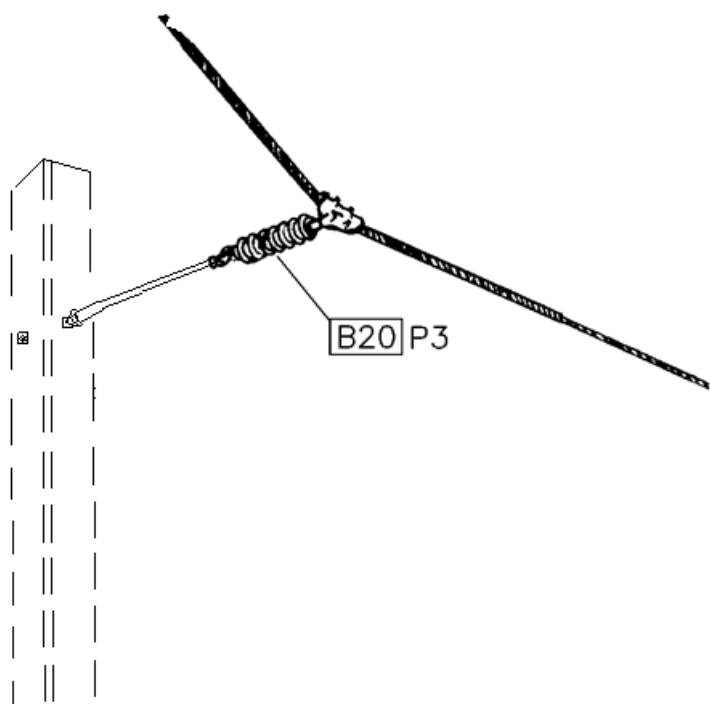
NO.	ITEM ID	QTY	DESCRIPTION
1	CNN PT ***	1	GENERAL CODE FOR PREFORMED TIE

DA1F-5 (FIBERGLASS CONSTRUCTION)**TANGENT TO 10 DEGREE ANGLE – UNSHIELDED****OPTIONS: 2, 4, 6, 6CU, 1/0****BOLT PLATE: NONE**

NO.	ITEM ID	QTY	DESCRIPTION
1	BKT FS 001	1	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
2	BOL DA 015	1	BOLT, DOUBLE ARMING, 3/4X14
3	BOL MS 035	1	BOLT, MACHINE, SQUARE HEAD 3/4X12
4	INS VP 001	1	INSULATOR, POST 34.5KV
5	STU LI 001	1	STUD, LINE POST 3/4 HEAD- 3/4 DIA.X 1-3/4 IN. SHANK
6	TIE PR ***	1	GENERAL CODE FOR PREFORMED TIE
7	WAS RD 005	4	WASHER, ROUND, 2 INCH, FOR 3/4 IN. DIA. BOLT
8	WAS SF 003	2	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
9	WAS SP 002	2	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DA2F-5 (FIBERGLASS CONSTRUCTION)**10 TO 30 DEGREE ANGLE – UNSHIELDED****OPTIONS: 2, 4, 6, 1/0****BOLT PLATE: NONE**

NO.	ITEM ID	QTY	DESCRIPTION
1	BKT FS 001	1	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
2	BOL DA 015	1	BOLT, DOUBLE ARMING, 3/4X14
3	BOL MS 035	1	BOLT, MACHINE, SQUARE HEAD 3/4X12
4	CLA CT ***	1	GENERAL CODE FOR CLAMP TOP INSULATOR CLAMP
5	INS HP 001	1	INSULATOR, HORIZONTAL POST, 34.5KV, CLAMP
6	GUA LI ***	1	GENERAL CODE FOR LINE GUARD
7	STU LI 001	1	STUD, LINE POST 3/4 HEAD - 3/4 IN. DIA. X 1-3/4 SHANK
8	WAS RD 005	4	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
9	WAS SF 003	2	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
10	WAS SP 002	2	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DA3F-5**30 TO 60 DEGREE FLYING ANGLE – UNSHIELDED****OPTIONS: 2, 4, 6, 1/0****BOLT PLATE: NONE**

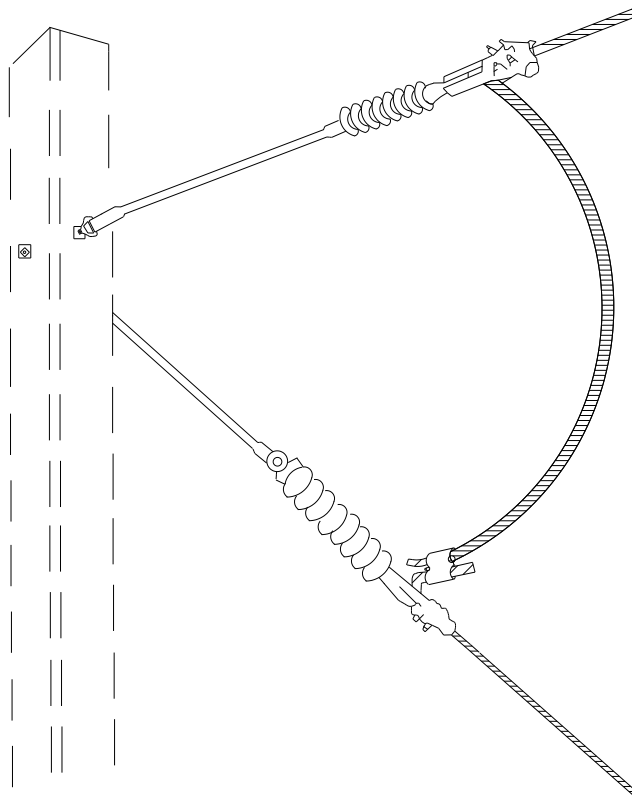
NO.	ITEM ID	QTY	DESCRIPTION
1	BOL DA 015	1	BOLT, DOUBLE ARMING, 3/4X14
2	CLA AN 002	1	CLAMP, ANGLE 2AAAC - 1/0AAAC
3	INS CO 001	1	INSULATOR, DEAD-END, POLYMER 27KV
4	INS FE 002	1	FIBERGLASS EXTENSION LINK, 12"
5	GUA LI ***	1	GENERAL CODE FOR LINE GUARD
6	NUT EY 003	1	NUT, EYE 3/4
7	WAS RD 005	1	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
8	WAS SF 003	2	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
9	WAS SP 002	1	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DA4F-5 (FIBERGLASS CONSTRUCTION)

60 TO 90 DEGREE CORNER – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0, 636

BOLT PLATE: NONE



NO.	ITEM ID	QTY	DESCRIPTION
1	BOL DA 015	2	BOLT, DOUBLE ARMING, 3/4X14
2	CLA SS ***	2	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
3	CNN CP ***	1	GENERAL CODE FOR SIDE-BY CONNECTOR
4	INS CO 001	2	INSULATOR, DEAD-END, POLYMER 27KV
5	INS FE 002	2	FIBERGLASS EXTENSION LINK, 12"
5	NUT EY 003	2	NUT, EYE 3/4
6	WAS RD 005	2	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
7	WAS SF 003	4	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT

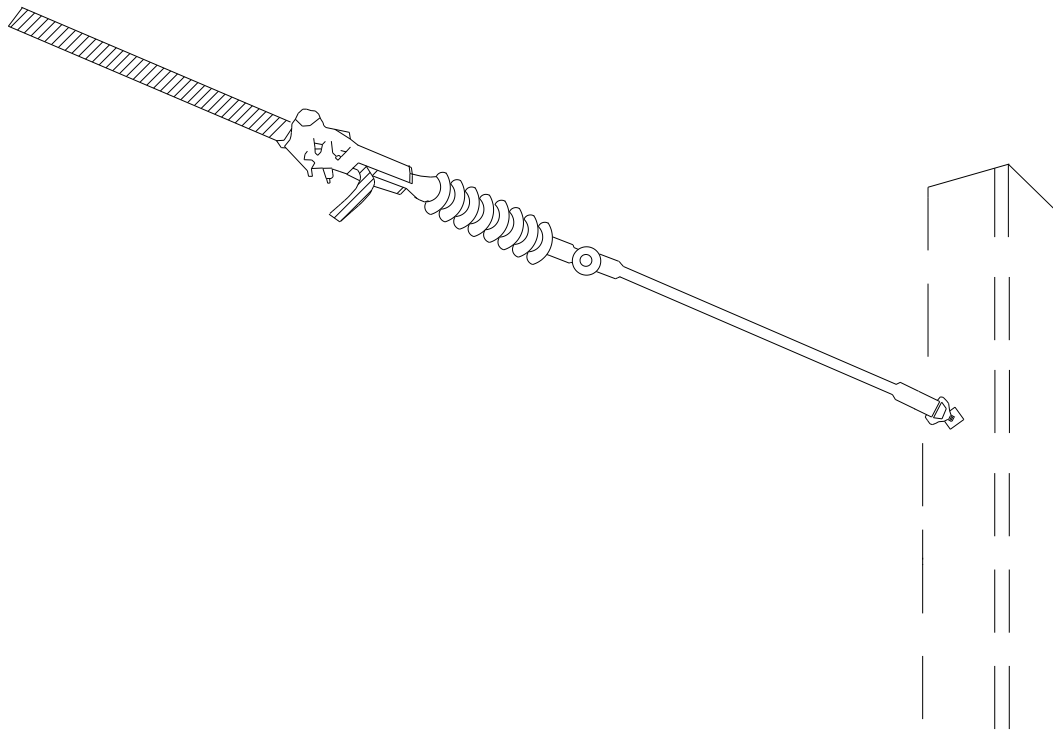
9	WAS SP 002	2	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT
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DA5F-5 (FIBERGLASS CONSTRUCTION)

DEADEND – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0

BOLT PLATE: NONE



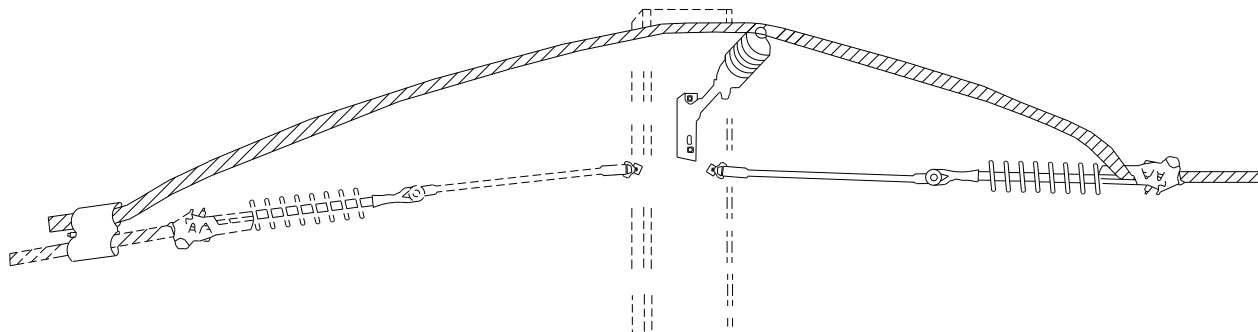
NO.	ITEM ID	QTY	DESCRIPTION
1	BOL DA 015	1	BOLT, DOUBLE ARMING, 3/4X14
2	CLA SS ***	1	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
3	INS CO 001	1	INSULATOR, DEAD-END, POLYMER 27KV
4	INS FE 002	1	FIBERGLASS EXTENSION LINK, 12"
5	NUT EY 003	1	NUT, EYE 3/4
6	WAS RD 005	1	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
7	WAS SF 003	2	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
8	WAS SP 002	1	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DA6F-5 (FIBERGLASS CONSTRUCTION)

EXTENSION OFF EXISTING DEADEND – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0

BOLT PLATE: NONE

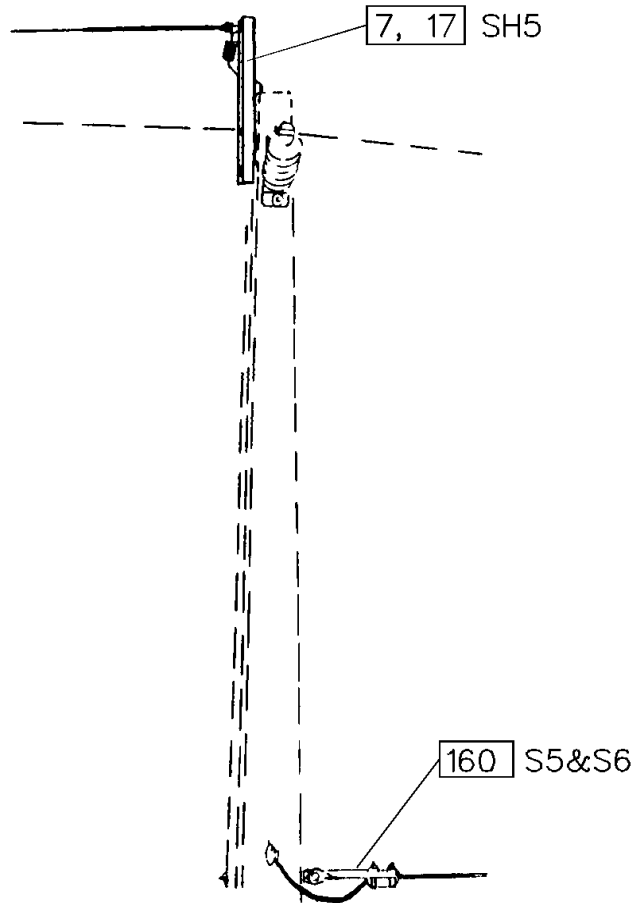


NO.	ITEM ID	QTY	DESCRIPTION
1	BKT FS 001	1	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
2	BOL DA 015	1	BOLT, DOUBLE ARMING, 3/4X14
3	BOL MS 035	1	BOLT, MACHINE, SQUARE HEAD 3/4X12
3	CLA SS ***	1	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
4	CNN CP ***	1	GENERAL CODE FOR SIDE-BY CONNECTOR
5	INS CO 001	1	INSULATOR, DEAD-END, POLYMER 27KV
6	INS FE 002	1	FIBERGLASS EXTENSION LINK, 12"
7	INS VP 001	1	INSULATOR, VERTICAL POST, 34.5KV
8	NUT EY 003	1	NUT, EYE 3/4
9	TIE PR ***	1	GENERAL CODE FOR PREFORMED TIE
10	WAS RD 005	5	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
11	WAS SF 003	3	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
12	WAS SP 002	3	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

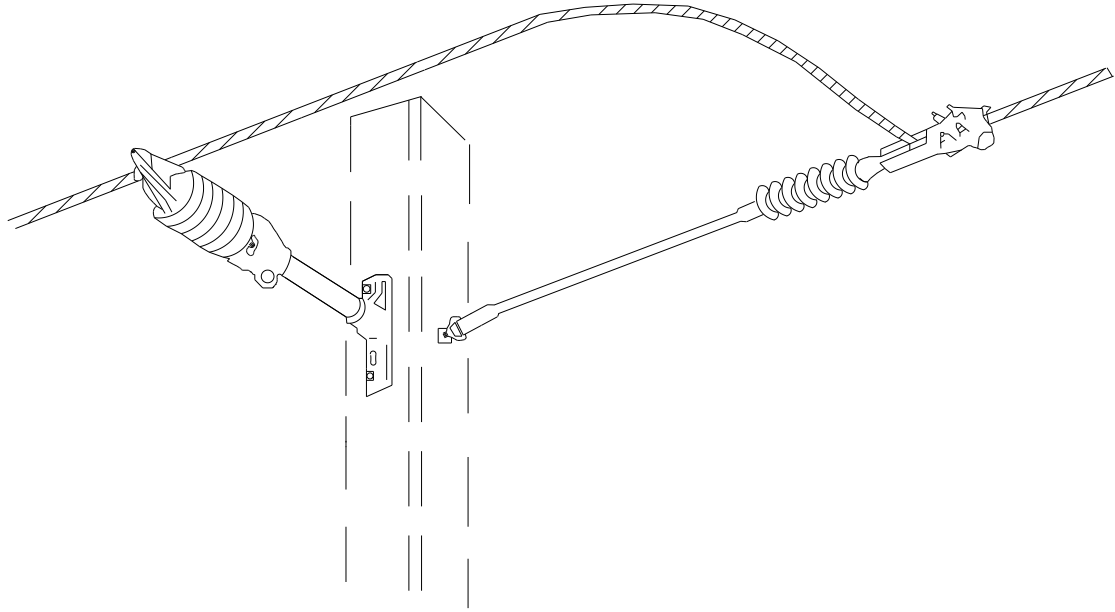
DA6-6**NEUTRAL TO SHIELD TRANSITION – SINGLE PHASE**

OPTIONS: 2, 1/0, 2/0, 3/0, 4/0, 636

BOLT PLATE: NONE



NO.	ITEM ID	QTY	DESCRIPTION
1	BAY SW 003	1	BAYONET, SHIELD WIRE 40 IN. CORNER
2	BOL EY 005	1	BOLT, EYE, 5/8X16
3	BOL MS 032	1	BOLT, MACHINE, SQUARE HEAD 3/4X6
4	BOL MS 036	2	BOLT, MACHINE, SQUARE HEAD 3/4X14
5	CLA SS ***	1	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
6	CNN ** ***	1	GENERAL CODE FOR TAP CONNECTOR
7	CNN CP 002	1	CONNECTOR, AL. COMP. SIDE-BY 6-2 2-1/0
8	GRI PR 001	1	GRIP, PREFORMED DEADEND 3 NO 6 AW
9	NUT EY 002	1	NUT, EYE, 5/8
10	NUT SL 004	1	LOCKNUT, SQUARE M-F 3/4
11	THI EY 001	1	NUT, THIMBLE-EYE 3/4
12	WAS RD 005	6	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
13	WAS SF 003	4	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
14	WAS SP 002	3	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DA7FSL-5 (FIBERGLASS CONSTRUCTION)**DEADEND AND SLACK CARRY THRU – UNSHIELDED****OPTIONS: 2, 1/0, 3/0, 336, 636****BOLT PLATE: B13*A, B13*B, B13*C**

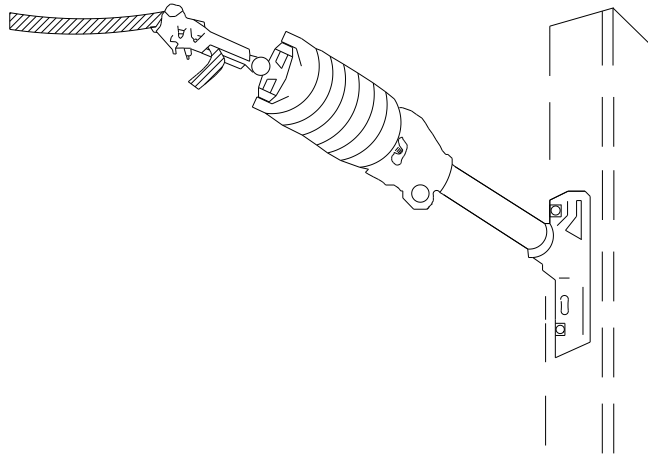
NO.	ITEM ID	QTY	DESCRIPTION
1	BKT FS 001	1	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
2	BOL DA 015	2	BOLT, DOUBLE ARMING, 3/4X14
4	BOL MS 035	1	BOLT, MACHINE, SQUARE HEAD 3/4X12
7	CLA CT ***	1	GENERAL CODE FOR ANGLE CLAMP
8	CLA SS ***	1	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
9	GUA LI ***	1	GENERAL CODE FOR LINE GUARD
10	INS CO 001	1	INSULATOR, DEAD-END, POLYMER 27KV
11	INS FE 002	1	FIBERGLASS EXTENSION LINK, 12"
12	INS HP 001	1	INSULATOR, POST 34.5KV CLAMP
13	NUT EY 003	1	NUT, EYE 3/4
14	STU LI 001	1	STUD, LINE POST 3/4 HEAD – 3/4 IN. DIA. X 1-3/4 SHANK
15	WAS RD 005	6	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
16	WAS SF 003	5	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
17	WAS SP 002	4	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DA7F-5 (FIBERGLASS CONSTRUCTION)

SLACKSPAN DEADEND – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0

BOLT PLATE: NONE



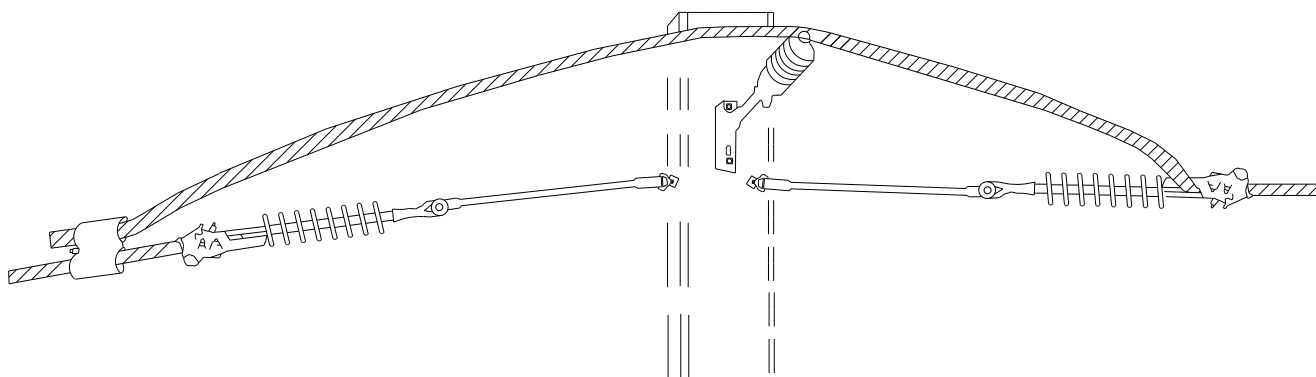
NO.	ITEM ID	QTY	DESCRIPTION
1	ADP TU 001	1	ADAPTER, TRUNNION – SLACK SPANNING
2	BKT FS 001	1	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
3	BOL MS 035	2	BOLT, MACHINE, SQUARE HEAD 3/4X12
4	CLA SS ***	1	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
5	INS VP 002	1	INSULATOR, POST 34.5KV CLAMP
6	STU LI 001	1	STUD, LINE POST 3/4 HEAD – 3/4 IN. DIA. X 1-3/4 SHANK
7	WAS RD 005	4	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
8	WAS SF 003	2	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
9	WAS SP 002	2	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DA8F-5 (FIBERGLASS CONSTRUCTION)

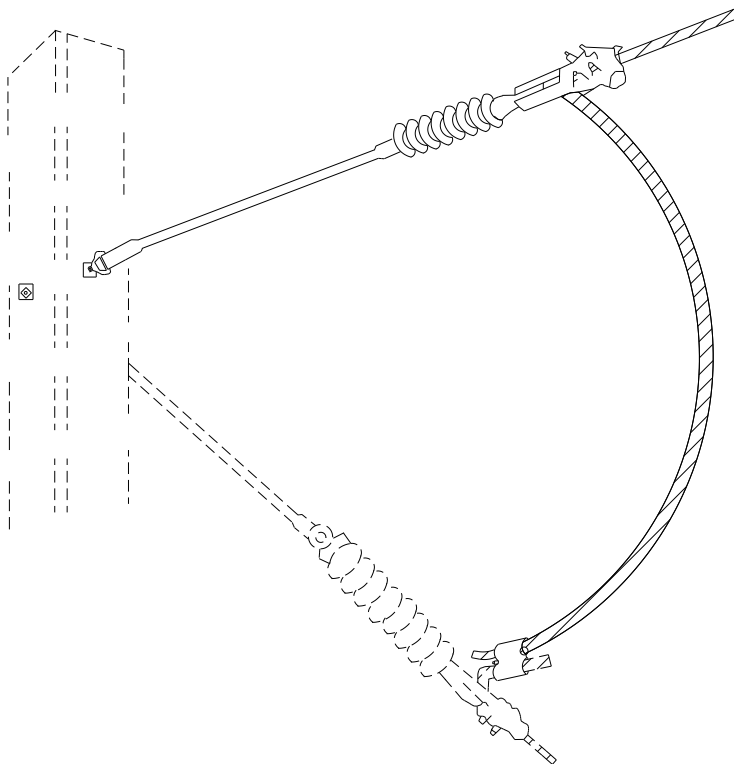
DOUBLE DEADEND – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0

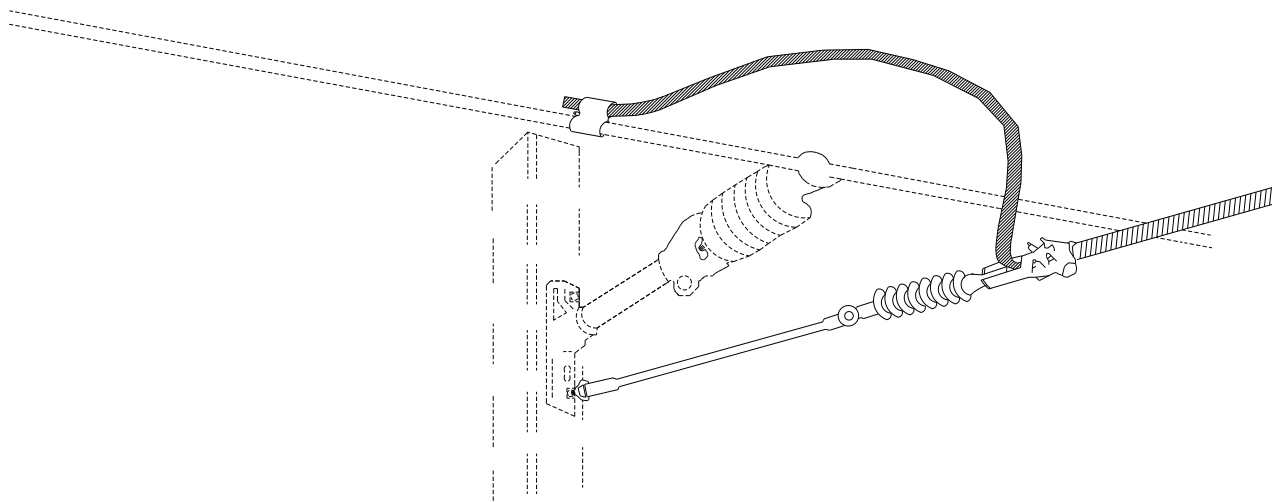
BOLT PLATE: NONE



NO.	ITEM ID	QTY	DESCRIPTION
1	BKT FS 001	1	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
2	BOL DA 015	2	BOLT, DOUBLE ARMING 3/4X14
3	BOL MS 035	1	BOLT, MACHINE, SQUARE HEAD 3/4X12
3	CLA SS ***	2	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
4	CNN CP ***	1	GENERAL CODE FOR SIDE-BY CONNECTOR
5	INS CO 001	2	INSULATOR, DEAD-END, POLYMER 27KV
6	INS FE 002	2	FIBERGLASS EXTENSION LINK, 12"
7	INS VP 001	1	INSULATOR, POST 34.5KV
8	NUT EY 003	2	NUT, EYE 3/4
9	TIE PR ***	1	GENERAL CODE FOR PREFORMED TIE
10	WAS RD 005	6	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
11	WAS SF 003	5	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
12	WAS SP 002	4	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

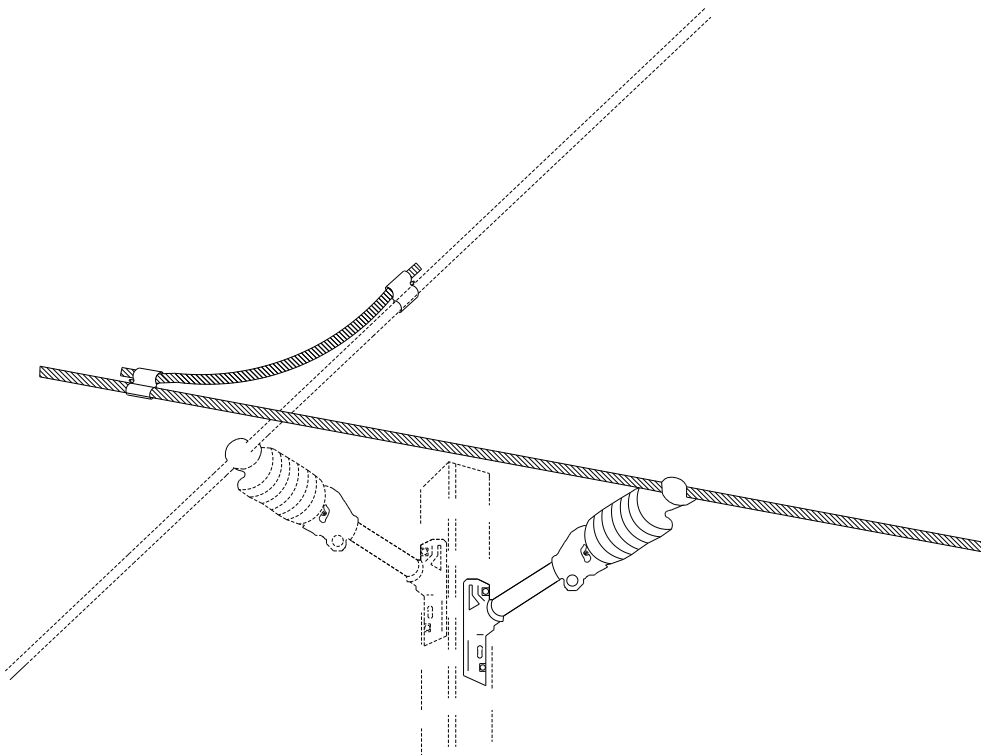
DA18F-5 (FIBERGLASS CONSTRUCTION)**60 TO 90 DEGREE TAP OFF EXISTING DEADEND – UNSHIELDED****OPTIONS: 2, 4, 6, 1/0****BOLT PLATE: NONE**

NO.	ITEM ID	QTY	DESCRIPTION
1	BOL DA 015	1	BOLT, DOUBLE ARMING, 3/4X14
2	CLA SS ***	1	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
3	CNN CP ***	1	GENERAL CODE FOR SIDE-BY CONNECTOR
4	INS CO 001	1	INSULATOR, DEAD-END, POLYMER 27KV
5	INS FE 002	1	FIBERGLASS EXTENSION LINK, 12"
6	NUT EY 003	1	NUT, EYE 3/4
7	WAS RD 005	1	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
8	WAS SF 003	2	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
9	WAS SP 002	1	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DA20F-5 (FIBERGLASS CONSTRUCTION)**75 TO 90 DEGREE TAP OFF EXISTING POLE – UNSHIELDED****OPTIONS: 2, 4, 6, 1/0****BOLT PLATE: NONE**

When this tap is oriented off the backside of the pole, 1 BKT FS 001 must be itemized in to support the jumper and 1 INS FE 002 must be itemized in for 1 INS FE 001 to reduce the length of the jumper.

NO.	ITEM ID	QTY	DESCRIPTION
1	CLA SS ***	1	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
2	CNN CP ***	1	GENERAL CODE FOR SIDE-BY CONNECTOR
3	COB ** ***	6	GENERAL CODE FOR CONDUCTOR
4	INS CO 001	1	INSULATOR, DEAD-END, POLYMER 27KV
5	INS FE 001	1	FIBERGLASS EXTENSION LINK, 24"
6	NUT EY 003	1	NUT, EYE 3/4

DA21F-5 (FIBERGLASS CONSTRUCTION)**0 TO 10 DEGREE CROSS OFF EXISTING POLE – UNSHIELDED****OPTIONS: 2, 4, 6, 1/0****BOLT PLATE: NONE**

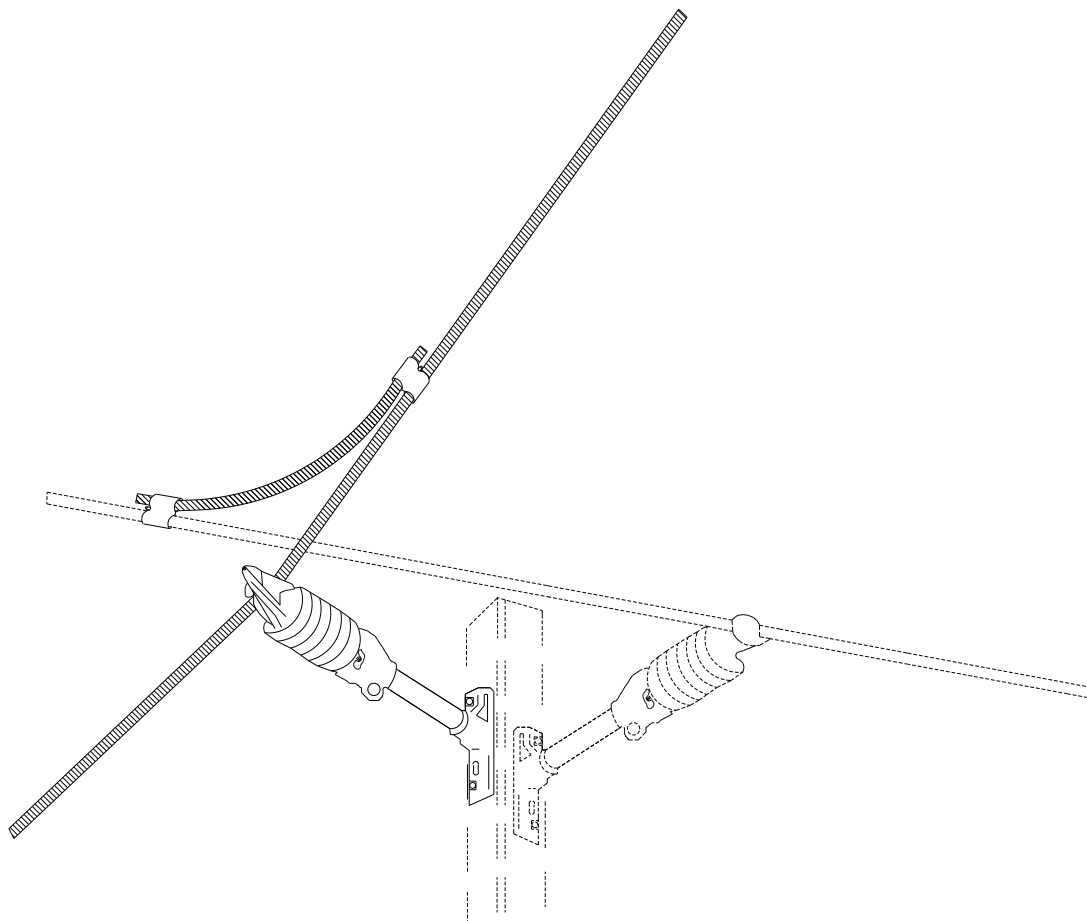
NO.	ITEM ID	QTY	DESCRIPTION
1	BKT FS 001	1	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
2	BOL DA 015	1	BOLT, DOUBLE ARMING, 3/4X14
3	BOL MS 035	1	BOLT, MACHINE, SQUARE HEAD 3/4X12
4	CNN CP 002	2	CONNECTOR, AL. COMP. SIDE-BY 6-2 2-1/0
5	COB ** ***	3	GENERAL CODE FOR CONDUCTOR
6	INS VP 001	1	INSULATOR, POST 34.5KV
7	STU LI 001	1	STUD, LINE POST 3/4 HEAD- 3/4 DIA.X 1-3/4 IN. SHANK
8	TIE PR ***	1	GENERAL CODE FOR PREFORMED TIE
9	WAS RD 005	4	WASHER, ROUND, 2 INCH, FOR 3/4 IN. DIA. BOLT
10	WAS SF 003	2	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
11	WAS SP 002	2	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DA22F-5 (FIBERGLASS CONSTRUCTION)

10 TO 30 DEGREE CROSS OFF EXISTING POLE – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0

BOLT PLATE: NONE



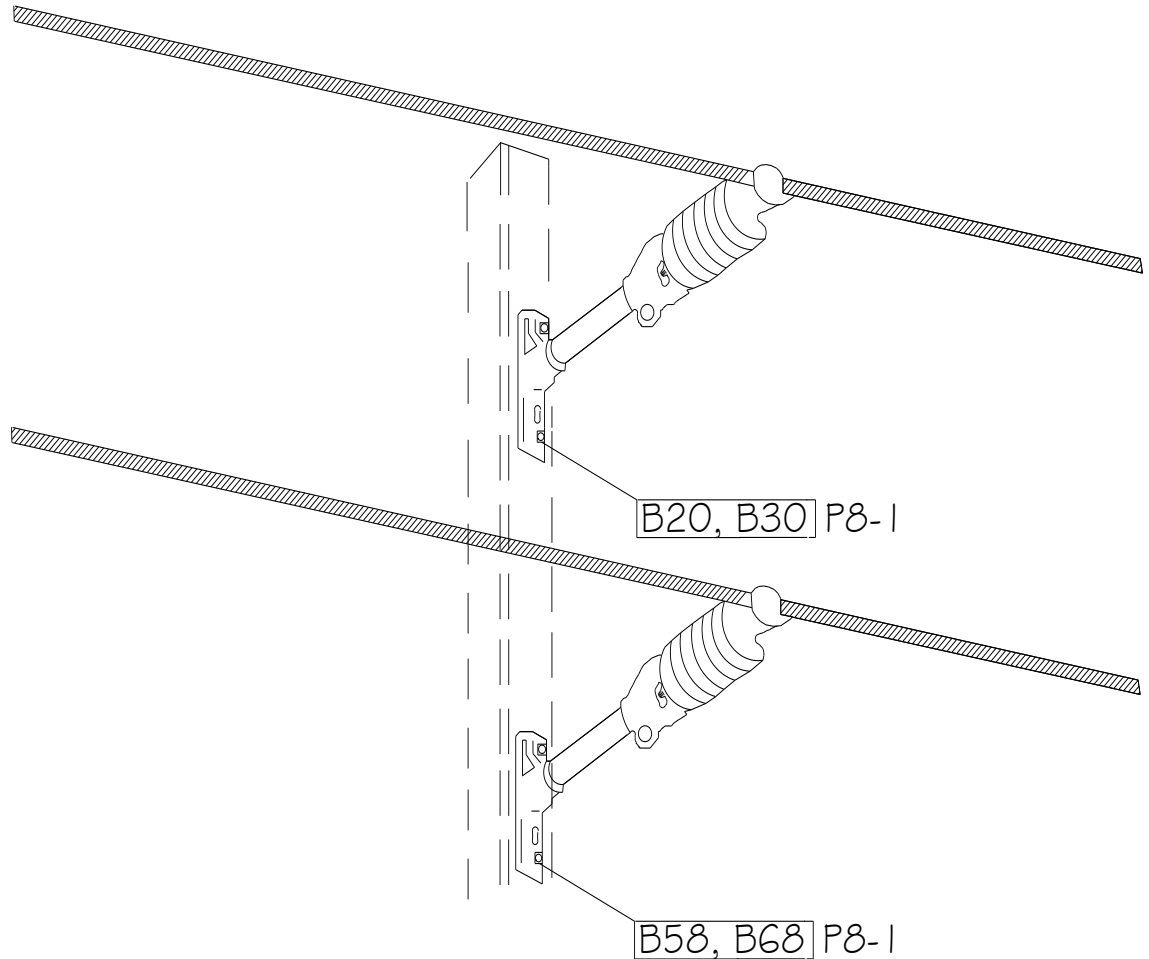
NO.	ITEM ID	QTY	DESCRIPTION
1	BKT FS 001	1	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
2	BOL DA 015	1	BOLT, DOUBLE ARMING, 3/4X14
3	BOL MS 035	1	BOLT, MACHINE, SQUARE HEAD 3/4X12
4	CLA CT ***	1	GENERAL CODE FOR CLAMP TOP INSULATOR CLAMP
5	CNN CP 002	2	CONNECTOR, AL. COMP. SIDE-BY 6-2 2-1/0
6	COB ** ***	3	GENERAL CODE FOR CONDUCTOR
7	INS HP 001	1	INSULATOR, HORIZONTAL POST, 34.5KV, CLAMP
8	GUA LI ***	1	GENERAL CODE FOR LINE GUARD
9	STU LI 001	1	STUD, LINE POST 3/4 HEAD - 3/4 IN. DIA. X 1-3/4 SHANK
10	WAS RD 005	4	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
11	WAS SF 003	2	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
12	WAS SP 002	2	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DB1F-5 (FIBERGLASS CONSTRUCTION)

TANGENT TO 10 DEGREE ANGLE – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0, 3/0

BOLT PLATE: NONE



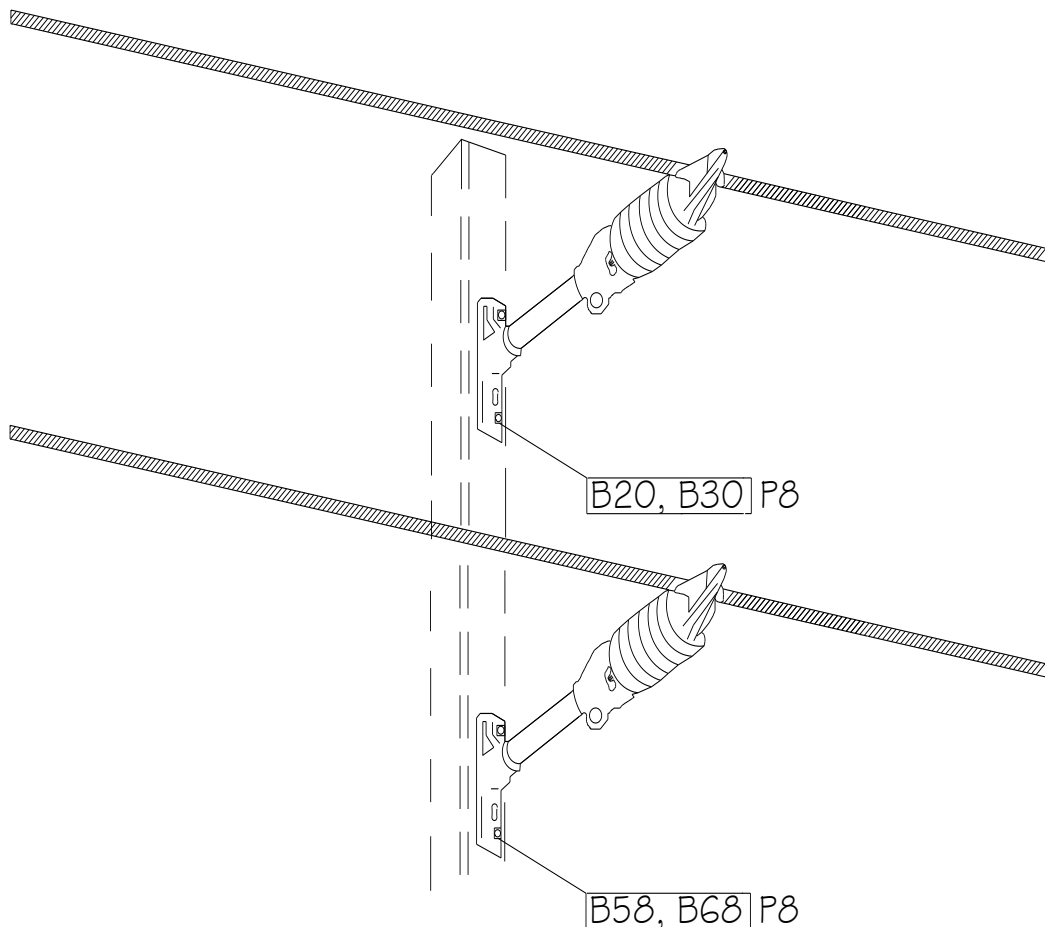
NO.	ITEM ID	QTY	DESCRIPTION
1	BKT FS 001	2	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
2	BOL DA 015	2	BOLT, DOUBLE ARMING, 3/4X14
3	BOL MS 035	1	BOLT, MACHINE, SQUARE HEAD 3/4X12
4	BOL MS 036	1	BOLT, MACHINE, SQUARE HEAD 3/4X14
5	INS VP 001	2	INSULATOR, POST 34.5KV
6	STU LI 001	2	STUD, LINE POST 3/4 HEAD- 3/4 DIA.X 1-3/4 IN. SHANK
7	TIE PR ***	2	GENERAL CODE FOR PREFORMED TIE
8	WAS RD 005	8	WASHER, ROUND, 2 INCH, FOR 3/4 IN. DIA. BOLT
9	WAS SF 003	4	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
10	WAS SP 002	4	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DB2F-5 (FIBERGLASS CONSTRUCTION)

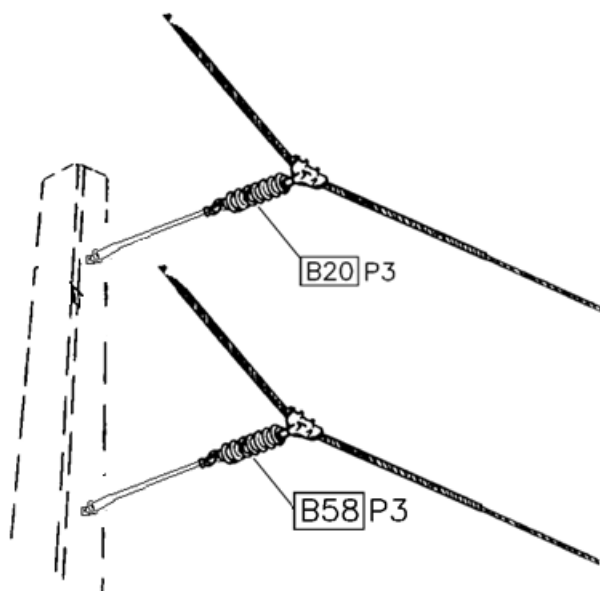
10 TO 30 DEGREE ANGLE – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0, 3/0

BOLT PLATE: NONE



NO.	ITEM ID	QTY	DESCRIPTION
1	BKT FS 001	2	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
2	BOL DA 015	2	BOLT, DOUBLE ARMING, 3/4X14
3	BOL MS 035	1	BOLT, MACHINE, SQUARE HEAD 3/4X12
4	BOL MS 036	1	BOLT, MACHINE, SQUARE HEAD 3/4X14
5	CLA CT ***	2	GENERAL CODE FOR CLAMP TOP INSULATOR CLAMP
6	INS HP 001	2	INSULATOR, HORIZONTAL POST, 34.5KV, CLAMP
7	GUA LI ***	2	GENERAL CODE FOR LINE GUARD
8	STU LI 001	2	STUD, LINE POST 3/4 HEAD - 3/4 IN. DIA. X 1-3/4 SHANK
9	WAS RD 005	8	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
10	WAS SF 003	4	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
11	WAS SP 002	4	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DB3F-5(FIBERGLASS CONSTRUCTION)**30 TO 60 DEGREE FLYING ANGLE – UNSHIELDED****OPTIONS: 2, 4, 6, 1/0, 3/0****BOLT PLATE: NONE**

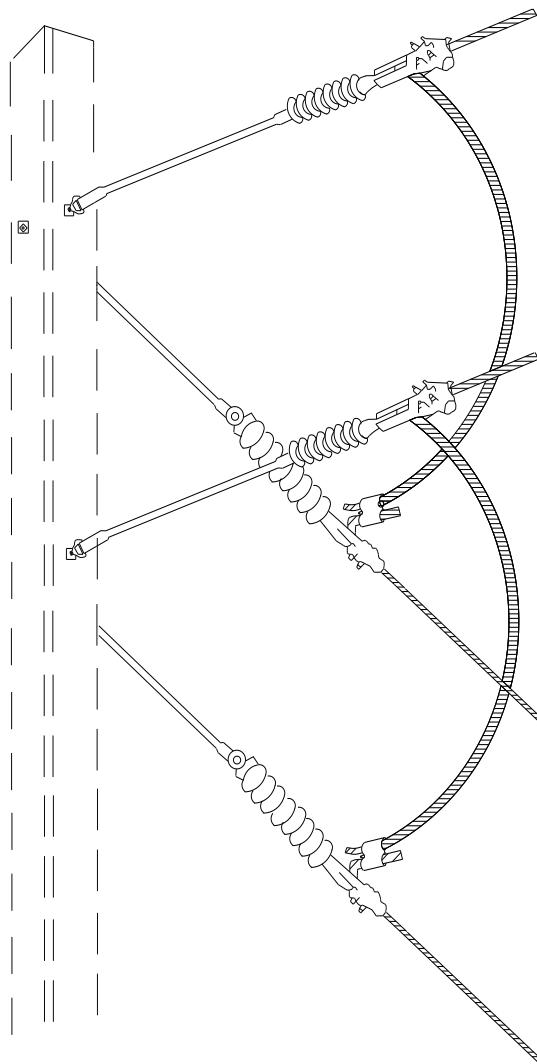
NO.	ITEM ID	QTY	DESCRIPTION
1	BOL DA 015	2	BOLT, DOUBLE ARMING, 3/4X14
2	CLA AN 002	2	CLAMP, ANGLE 2AAAC - 1/0AAAC
3	INS CO 001	2	INSULATOR, DEAD-END, POLYMER 27KV
4	INS FE 002	2	FIBERGLASS EXTENSION LINK, 12"
4	GUA LI ***	2	GENERAL CODE FOR LINE GUARD
5	NUT EY 003	2	NUT, EYE 3/4
6	WAS RD 005	2	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
7	WAS SF 003	4	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
8	WAS SP 002	2	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DB4F-5 (FIBERGLASS CONSTRUCTION)

60 TO 90 DEGREE CORNER – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0, 3/0

BOLT PLATE: NONE



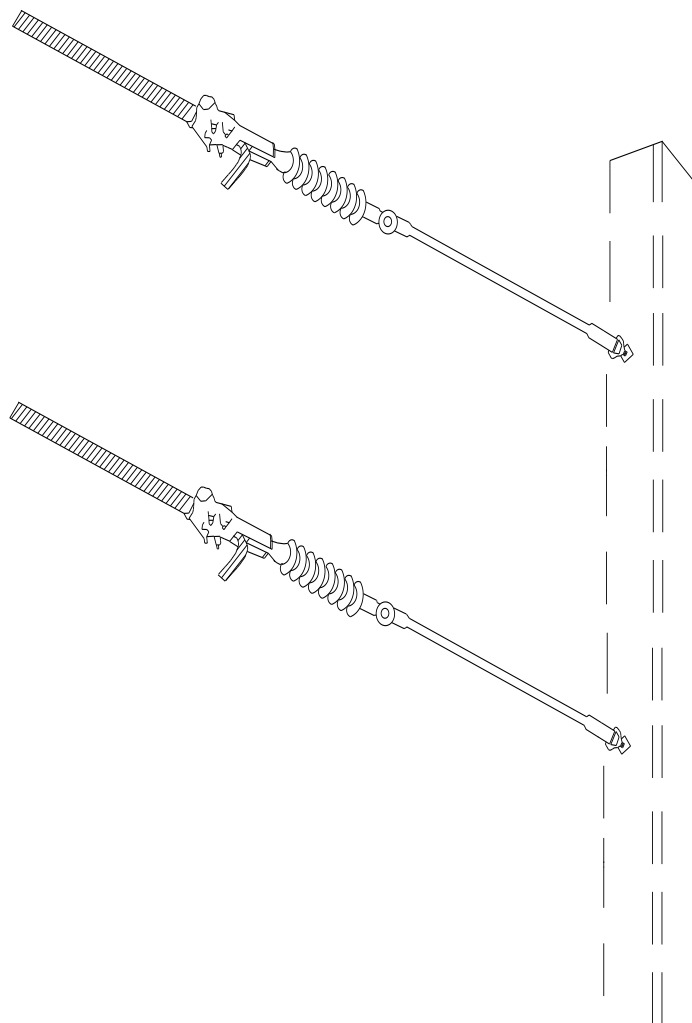
NO.	ITEM ID	QTY	DESCRIPTION
1	BOL DA 015	4	BOLT, DOUBLE ARMING, 3/4X14
2	CLA SS ***	4	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
3	CNN CP ***	2	GENERAL CODE FOR SIDE-BY CONNECTOR
4	INS CO 001	4	INSULATOR, DEAD-END, POLYMER 27KV
5	INS FE 002	4	FIBERGLASS EXTENSION LINK, 12"
5	NUT EY 003	4	NUT, EYE 3/4
6	WAS RD 005	4	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
7	WAS SF 003	8	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
8	WAS SP 002	4	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

Revised: January 1, 2018

Revised By: HTH

Approved By: BTM

VERTICAL PRIMARY

DB5F-5 (FIBERGLASS CONSTRUCTION)**DEADEND – UNSHIELDED****OPTIONS: 2, 4, 6, 1/0, 3/0****BOLT PLATE: NONE**

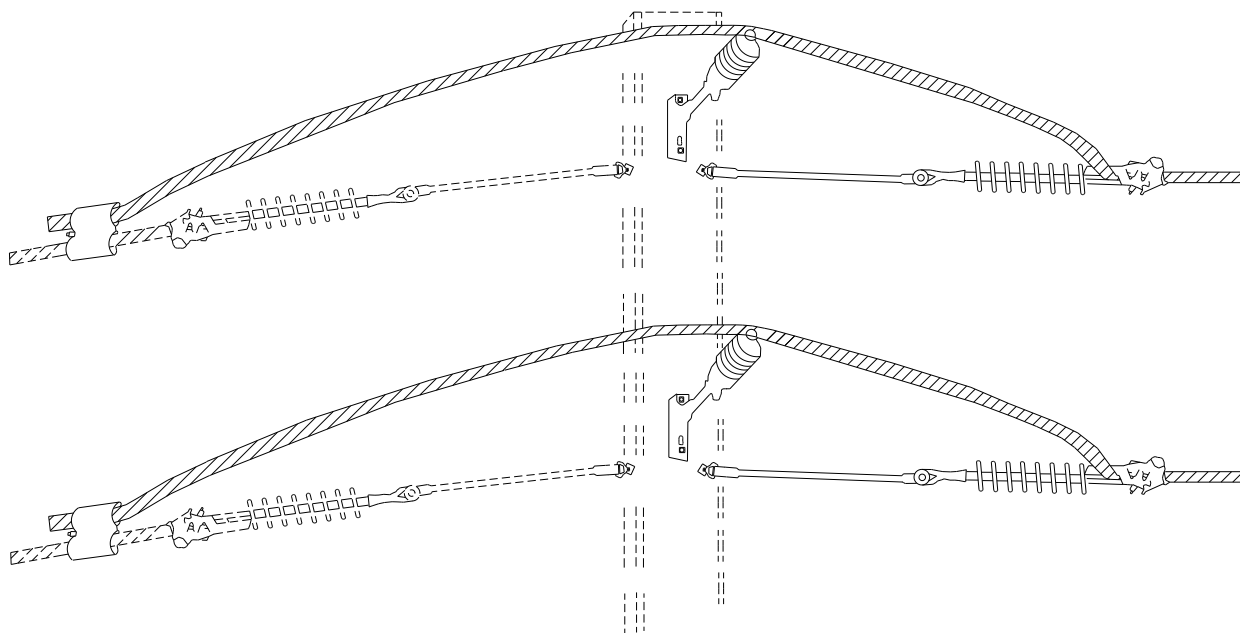
NO.	ITEM ID	QTY	DESCRIPTION
1	BOL DA 015	2	BOLT, DOUBLE ARMING, 3/4X14
2	CLA SS ***	2	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
3	INS CO 001	2	INSULATOR, DEAD-END, POLYMER 27KV
4	INS FE 002	2	FIBERGLASS EXTENSION LINK, 12"
5	NUT EY 003	2	NUT, EYE 3/4
6	WAS RD 005	2	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
7	WAS SF 003	4	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
8	WAS SP 002	2	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DB6F-5 (FIBERGLASS CONSTRUCTION)

EXTENSION OFF EXISTING DEADEND – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0, 3/0

BOLT PLATE: NONE

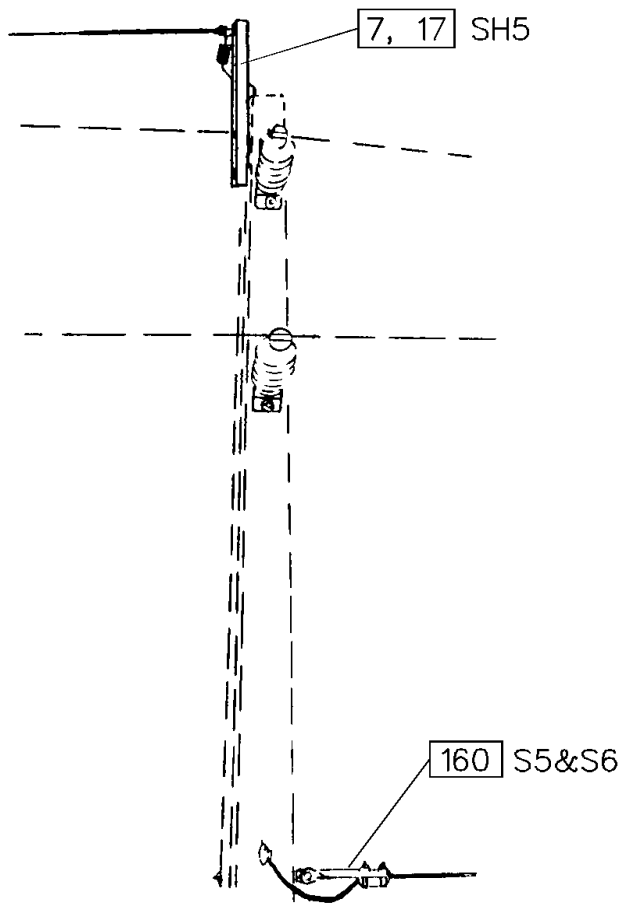


NO.	ITEM ID	QTY	DESCRIPTION
1	BKT FS 001	2	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
2	BOL DA 015	2	BOLT, DOUBLE ARMING, 3/4X14
3	BOL MS 035	1	BOLT, MACHINE, SQUARE HEAD 3/4X12
4	BOL MS 036	1	BOLT, MACHINE, SQUARE HEAD 3/4X14
5	CLA SS ***	2	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
6	CNN CP ***	2	GENERAL CODE FOR SIDE-BY CONNECTOR
7	INS CO 001	2	INSULATOR, DEAD-END, POLYMER 27KV
8	INS FE 002	2	FIBERGLASS EXTENSION LINK, 12"
9	INS VP 001	2	INSULATOR, VERTICAL POST, 34.5KV
10	NUT EY 003	2	NUT, EYE 3/4
11	TIE PR ***	2	GENERAL CODE FOR PREFORMED TIE
12	WAS RD 005	10	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
13	WAS SF 003	8	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
14	WAS SP 002	6	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DB6-6**NEUTRAL TO SHIELD TRANSITION – TWO PHASE**

OPTIONS: 2, 1/0, 2/0, 3/0, 4/0, 636

BOLT PLATE: NONE



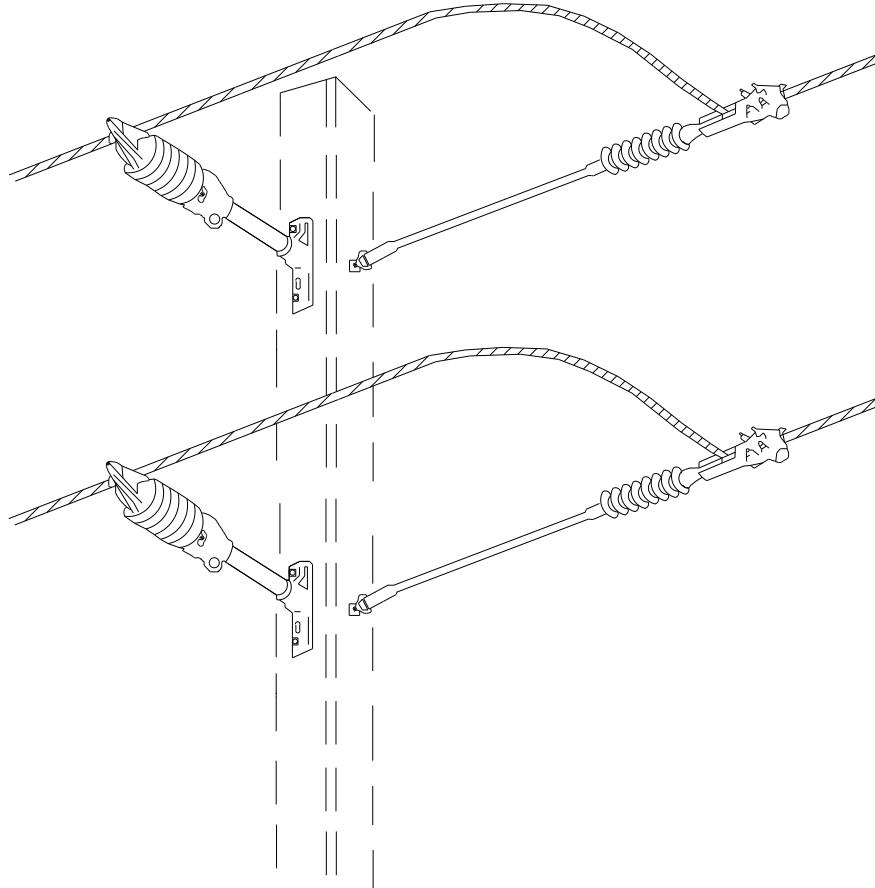
NO.	ITEM ID	QTY	DESCRIPTION
1	BAY SW 003	1	BAYONET, SHIELD WIRE 40 IN. CORNER
2	BOL EY 005	1	BOLT, EYE, 5/8X16
3	BOL MS 032	1	BOLT, MACHINE, SQUARE HEAD 3/4X6
4	BOL MS 036	2	BOLT, MACHINE, SQUARE HEAD 3/4X14
5	CLA SS ***	1	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
6	CNN ** ***	1	GENERAL CODE FOR TAP CONNECTOR
7	CNN CP 002	1	CONNECTOR, AL. COMP. SIDE-BY 6-2 2-1/0
8	GRI PR 001	1	GRIP, PREFORMED DEADEND 3 NO 6 AW
9	NUT EY 002	1	NUT, EYE 5/8
10	NUT SL 004	1	LOCKNUT, SQUARE, M-F 3/4
11	THI EY 001	1	NUT, THIMBLE-EYE 3/4
12	WAS RD 005	6	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
13	WAS SF 003	4	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
14	WAS SP 002	3	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DB7FSL-5 (FIBERGLASS CONSTRUCTION)

DEADEND AND SLACK CARRY THRU – UNSHIELDED

OPTIONS: 2, 1/0, 3/0, 336, 636

BOLT PLATE: B13*A, B13*B, B13*C

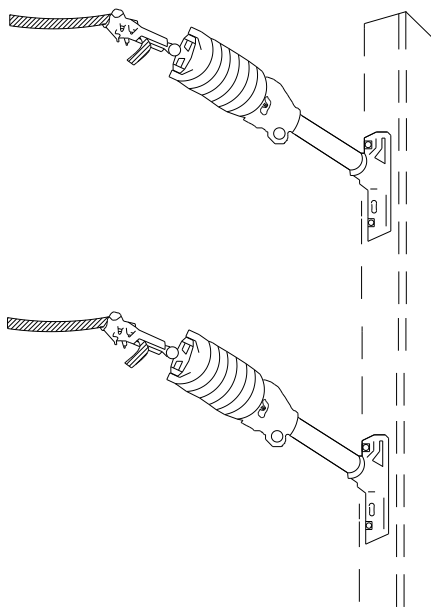


NO.	ITEM ID	QTY	DESCRIPTION
1	BKT FS 001	2	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
2	BOL DA 015	4	BOLT, DOUBLE ARMING, 3/4X14
3	BOL MS 035	1	BOLT, MACHINE, SQUARE HEAD 3/4X12
4	BOL MS 036	1	BOLT, MACHINE, SQUARE HEAD 3/4X14
5	CLA CT ***	2	GENERAL CODE FOR ANGLE CLAMP
6	CLA SS ***	2	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
7	GUA LI ***	2	GENERAL CODE FOR LINE GUARD
8	INS CO 001	2	INSULATOR, DEAD-END, POLYMER 27KV
9	INS FE 002	2	FIBERGLASS EXTENSION LINK, 12"
10	INS HP 001	2	INSULATOR, POST 34.5KV CLAMP
11	NUT EY 003	2	NUT, EYE 3/4
12	STU LI 001	2	STUD, LINE POST 3/4 HEAD - 3/4 IN. DIA. X 1-3/4 SHANK
13	WAS RD 005	8	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
14	WAS SF 003	8	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
15	WAS SP 002	5	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DB7F-5 (FIBERGLASS CONSTRUCTION)**SLACKSPAN DEADEND – UNSHIELDED**

OPTIONS: 2, 4, 6, 1/0, 3/0

BOLT PLATE: NONE



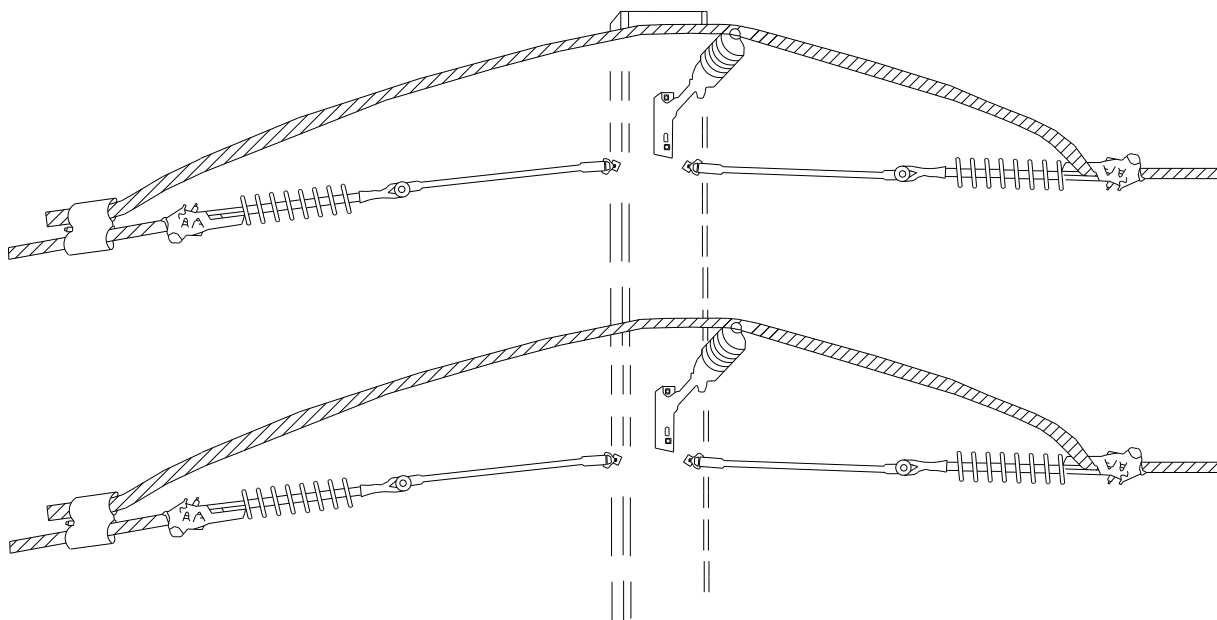
NO.	ITEM ID	QTY	DESCRIPTION
1	ADP TU 001	2	ADAPTER, TRUNNION - SLACK SPANNING
2	BKT FS 001	2	BRACKET, INSULATOR STANDOFF 6 IN.
3	BOL MS 035	2	BOLT, MACHINE, SQUARE HEAD 3/4X12
4	BOL MS 036	2	BOLT, MACHINE, SQUARE HEAD 3/4X14
5	CLA SS ***	2	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
6	INS VP 002	2	INSULATOR, POST 34.5KV CLAMP
7	STU LI 001	2	STUD, LINE POST 3/4 HEAD - 3/4 IN. DIA. X 1-3/4 SHANK
8	WAS RD 005	8	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
9	WAS SF 003	4	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
10	WAS SP 002	4	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DB8F-5 (FIBERGLASS CONSTRUCTION)

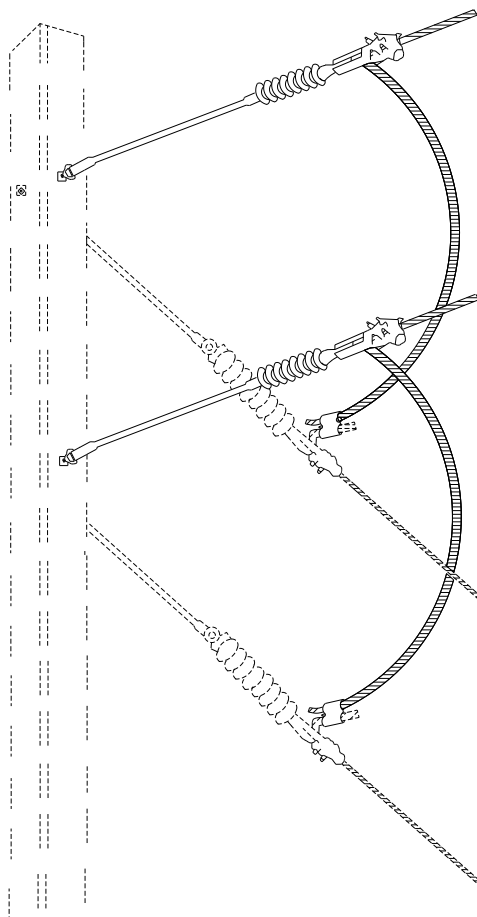
DOUBLE DEADEND – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0, 3/0

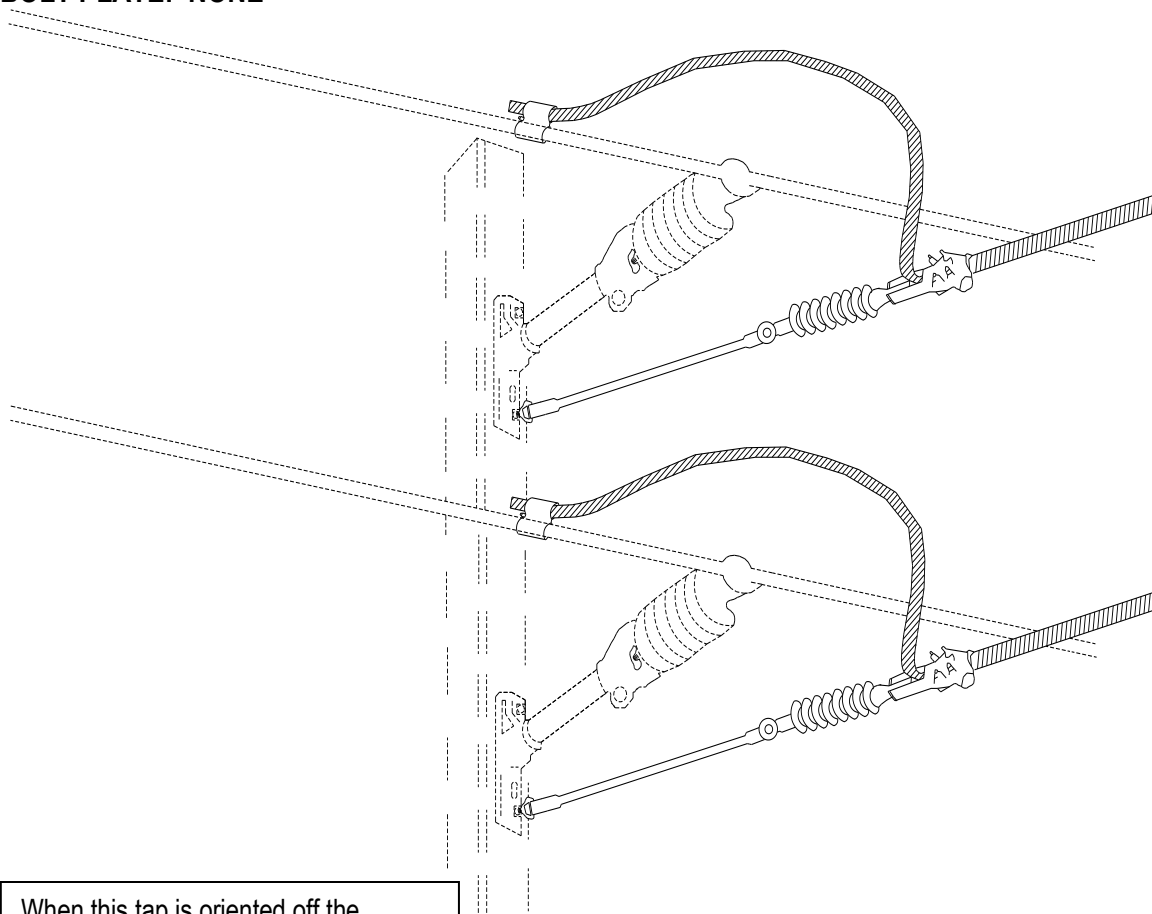
BOLT PLATE: NONE



NO.	ITEM ID	QTY	DESCRIPTION
1	BKT FS 001	2	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
2	BOL DA 015	6	BOLT, DOUBLE ARMING 3/4X14
3	BOL MS 035	1	BOLT, MACHINE, SQUARE HEAD 3/4X12
4	BOL MS 036	1	BOLT, MACHINE, SQUARE HEAD 3/4X14
3	CLA SS ***	4	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
4	CNN CP ***	2	GENERAL CODE FOR SIDE-BY CONNECTOR
5	INS CO 001	4	INSULATOR, DEAD-END, POLYMER 27KV
6	INS FE 002	2	FIBERGLASS EXTENSION LINK, 12"
7	INS VP 001	2	INSULATOR, POST 34.5KV
8	NUT EY 003	4	NUT, EYE 3/4
9	TIE PR ***	2	GENERAL CODE FOR PREFORMED TIE
10	WAS RD 005	14	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
11	WAS SF 003	14	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
12	WAS SP 002	10	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DB18F-5 (FIBERGLASS CONSTRUCTION)**60 TO 90 DEGREE TAP OFF EXISTING DEADEND – UNSHIELDED****OPTIONS: 2, 4, 6, 1/0, 3/0****BOLT PLATE: NONE**

NO.	ITEM ID	QTY	DESCRIPTION
1	BOL DA 015	2	BOLT, DOUBLE ARMING, 3/4X14
2	CLA SS ***	2	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
3	CNN CP ***	2	GENERAL CODE FOR SIDE-BY CONNECTOR
4	INS CO 001	2	INSULATOR, DEAD-END, POLYMER 27KV
5	INS FE 002	2	FIBERGLASS EXTENSION LINK, 12"
5	NUT EY 003	2	NUT, EYE 3/4
6	WAS RD 005	2	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
7	WAS SF 003	4	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
8	WAS SP 002	2	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DB20F-5 (FIBERGLASS CONSTRUCTION)**75 TO 90 DEGREE TAP OFF EXISTING POLE – UNSHIELDED****OPTIONS: 2, 4, 6, 1/0, 3/0****BOLT PLATE: NONE**

When this tap is oriented off the backside of the pole, 2 BKT FS 001 must be itemized in to support the jumper and 2 INS FE 002 must be itemized in for 2 INS FE 001 to reduce the length of the jumper.

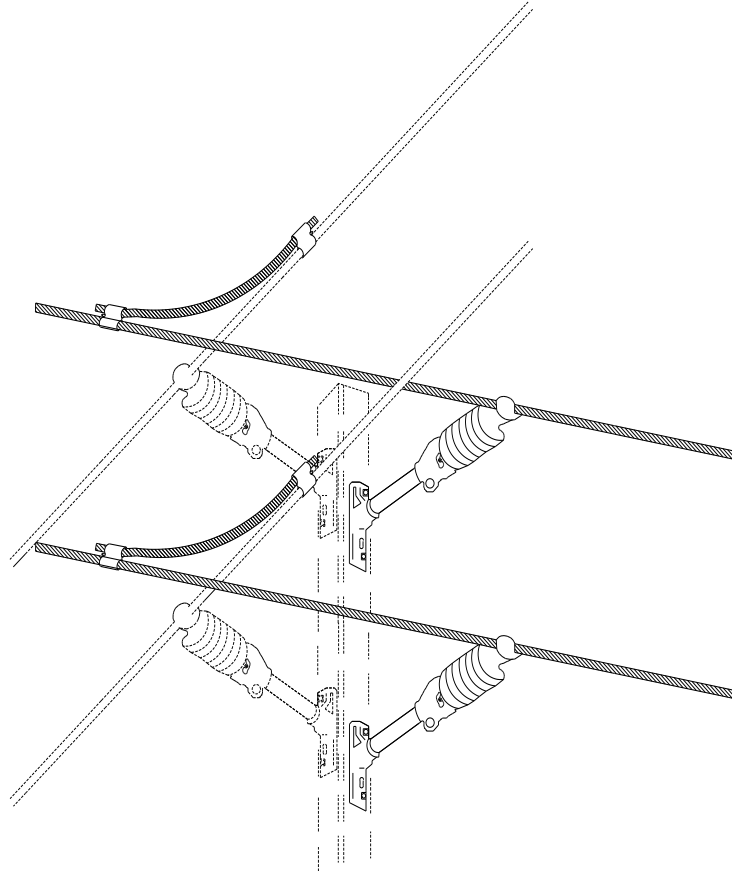
NO.	ITEM ID	QTY	DESCRIPTION
1	CLA SS ***	2	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
2	CNN CP ***	2	GENERAL CODE FOR SIDE-BY CONNECTOR
3	COB ** ***	12	GENERAL CODE FOR CONDUCTOR
4	INS CO 001	2	INSULATOR, DEAD-END, POLYMER 27KV
5	INS FE 001	2	FIBERGLASS EXTENSION LINK, 24"
6	NUT EY 003	2	NUT, EYE 3/4

DB21F-5 (FIBERGLASS CONSTRUCTION)

0 TO 10 DEGREE CROSS OFF EXISTING POLE – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0, 3/0

BOLT PLATE: NONE



NO.	ITEM ID	QTY	DESCRIPTION
1	BKT FS 001	2	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
2	BOL DA 015	2	BOLT, DOUBLE ARMING, 3/4X14
3	BOL MS 035	1	BOLT, MACHINE, SQUARE HEAD 3/4X12
4	BOL MS 036	1	BOLT, MACHINE, SQUARE HEAD 3/4X14
5	CNN CP ***	4	GENERAL CODE FOR SIDE-BY CONNECTOR
6	COB ** ***	6	GENERAL CODE FOR CONDUCTOR
7	INS VP 001	2	INSULATOR, POST 34.5KV
8	STU LI 001	2	STUD, LINE POST 3/4 HEAD- 3/4 DIA.X 1-3/4 IN. SHANK
9	TIE PR ***	2	GENERAL CODE FOR PREFORMED TIE
10	WAS RD 005	8	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
11	WAS SF 003	4	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
12	WAS SP 002	4	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

Revised: January 1, 2018

Revised By: HTH

Approved By: BTM

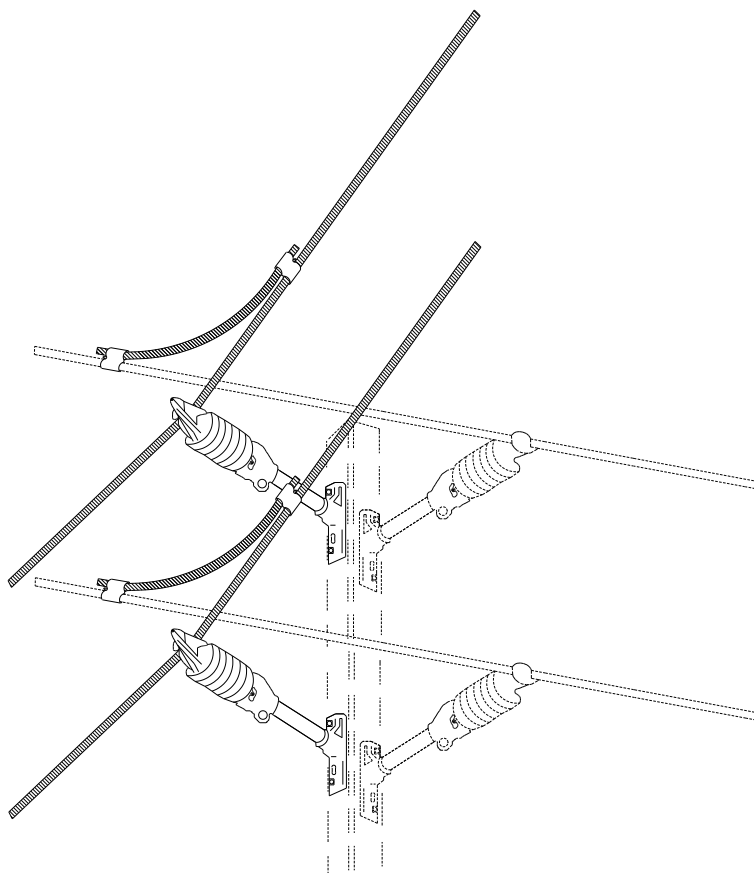
VERTICAL PRIMARY

DB22F-5 (FIBERGLASS CONSTRUCTION)

10 TO 30 DEGREE CROSS OFF EXISTING POLE – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0, 3/0

BOLT PLATE: NONE



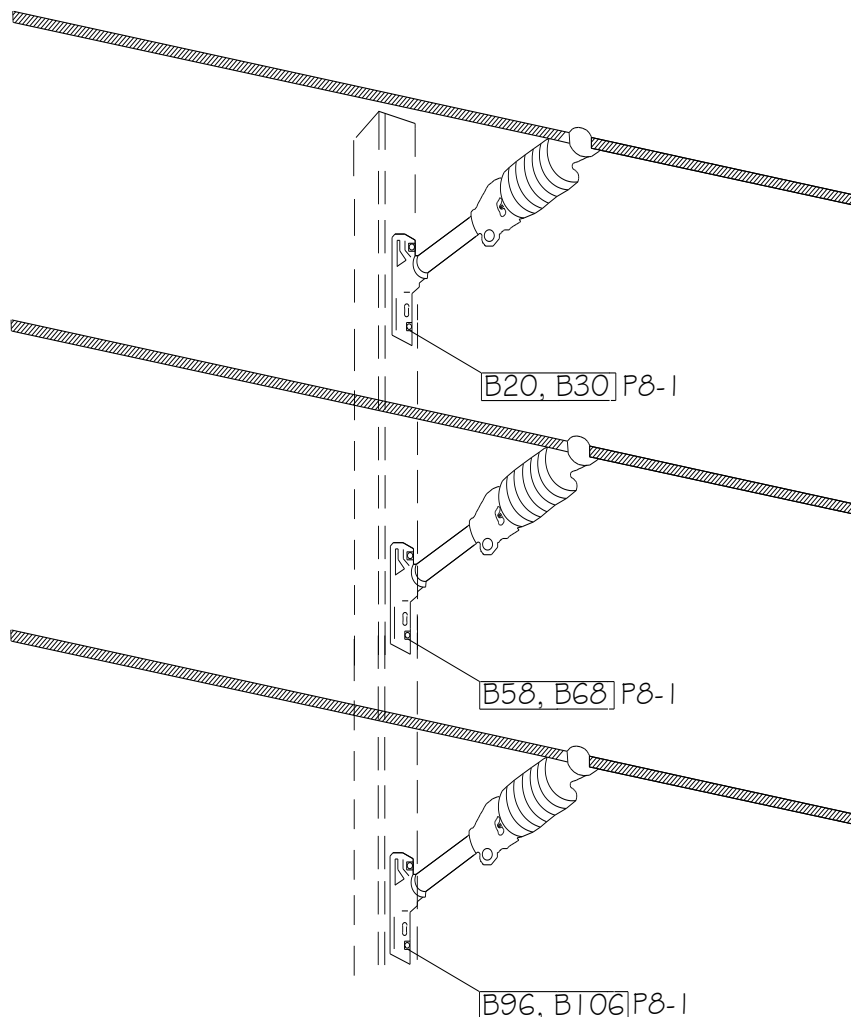
NO.	ITEM ID	QTY	DESCRIPTION
1	BKT FS 001	2	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
2	BOL DA 015	2	BOLT, DOUBLE ARMING, 3/4X14
3	BOL MS 035	1	BOLT, MACHINE, SQUARE HEAD 3/4X12
4	BOL MS 036	1	BOLT, MACHINE, SQUARE HEAD 3/4X14
5	CLA CT ***	2	GENERAL CODE FOR CLAMP TOP INSULATOR CLAMP
6	CNN CP ***	4	GENERAL CODE FOR SIDE-BY CONNECTOR
7	COB ** ***	6	GENERAL CODE FOR CONDUCTOR
8	INS HP 001	2	INSULATOR, HORIZONTAL POST, 34.5KV, CLAMP
9	GUA LI ***	2	GENERAL CODE FOR LINE GUARD
10	STU LI 001	2	STUD, LINE POST 3/4 HEAD - 3/4 IN. DIA. X 1-3/4 SHANK
11	WAS RD 005	8	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
12	WAS SF 003	4	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
13	WAS SP 002	4	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DC1F-5 (FIBERGLASS CONSTRUCTION)

TANGENT TO 10 DEGREE ANGLE – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0, 3/0, 4/0CU, 336, 636

BOLT PLATE: B2*A, B2*B, B2*C



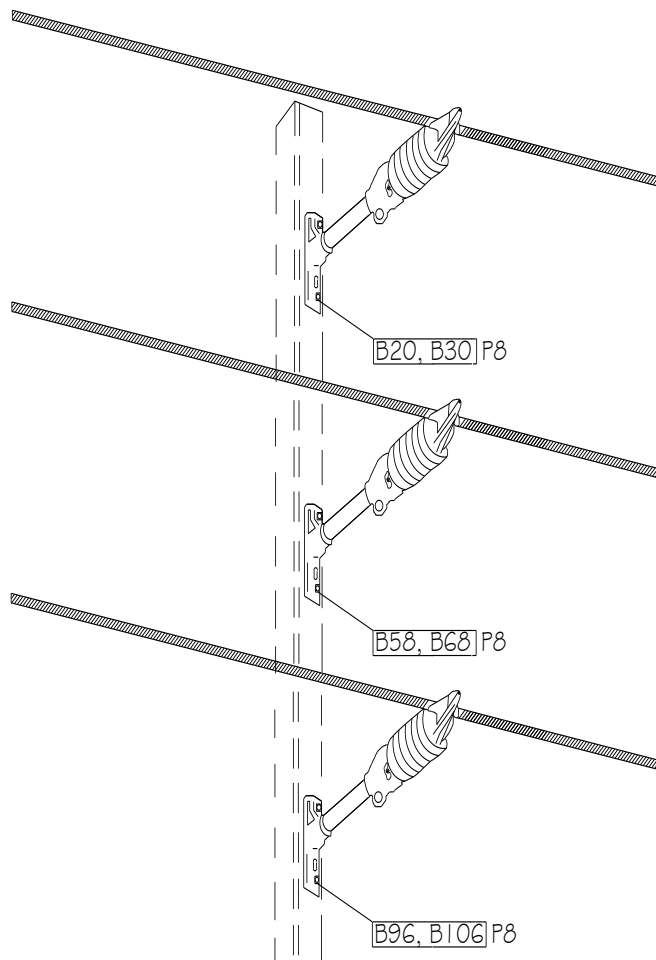
NO.	ITEM ID	QTY	DESCRIPTION
1	BKT FS 001	3	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
2	BOL DA 015	2	BOLT, DOUBLE ARMING, 3/4X14
3	BOL DA 016	1	BOLT, DOUBLE ARMING, 3/4X16
4	BOL MS 035	1	BOLT, MACHINE, SQUARE HEAD 3/4X12
5	BOL MS 036	1	BOLT, MACHINE, SQUARE HEAD 3/4X14
6	BOL MS 037	1	BOLT, MACHINE, SQUARE HEAD 3/4X16
7	INS VP 001	3	INSULATOR, POST 34.5KV
8	STU LI 001	3	STUD, LINE POST 3/4 HEAD- 3/4 DIA.X 1-3/4 IN. SHANK
9	TIE PR ***	3	GENERAL CODE FOR PREFORMED TIE
10	WAS RD 005	12	WASHER, ROUND, 2 INCH, FOR 3/4 IN. DIA. BOLT
11	WAS SF 003	6	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
12	WAS SP 002	6	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DC2F-5 (FIBERGLASS CONSTRUCTION)

10 TO 30 DEGREE ANGLE – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0, 3/0, 336, 636

BOLT PLATE: B2*A, B2*B, B2*C



NO.	ITEM ID	QTY	DESCRIPTION
1	BKT FS 001	3	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
2	BOL DA 015	2	BOLT, DOUBLE ARMING, 3/4X14
3	BOL DA 016	1	BOLT, DOUBLE ARMING, 3/4X16
4	BOL MS 035	1	BOLT, MACHINE, SQUARE HEAD 3/4X12
5	BOL MS 036	1	BOLT, MACHINE, SQUARE HEAD 3/4X14
6	BOL MS 037	1	BOLT, MACHINE, SQUARE HEAD 3/4X16
7	CLA CT ***	3	GENERAL CODE FOR CLAMP TOP INSULATOR CLAMP
8	INS HP 001	3	INSULATOR, HORIZONTAL POST, 34.5KV, CLAMP
9	GUA LI ***	3	GENERAL CODE FOR LINE GUARD
10	STU LI 001	3	STUD, LINE POST 3/4 HEAD - 3/4 IN. DIA. X 1-3/4 SHANK
11	WAS RD 005	12	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
12	WAS SF 003	6	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
13	WAS SP 002	6	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

Revised: January 1, 2018

Revised By: HTH

Approved By: BTM

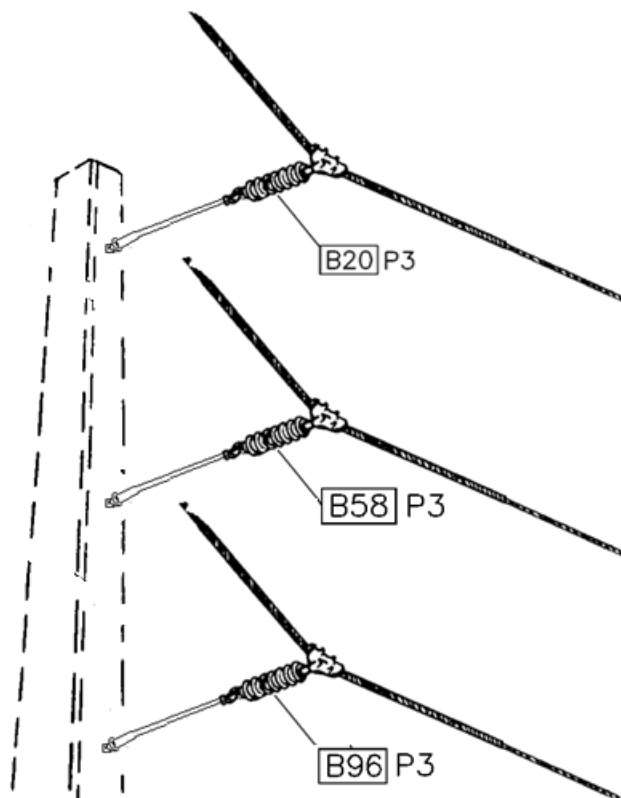
VERTICAL PRIMARY

DC3F-5(FIBERGLASS CONSTRUCTION)

30 TO 60 DEGREE FLYING ANGLE – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0, 3/0, 336, 636*

BOLT PLATE: B5*A, B5*B, B5*C



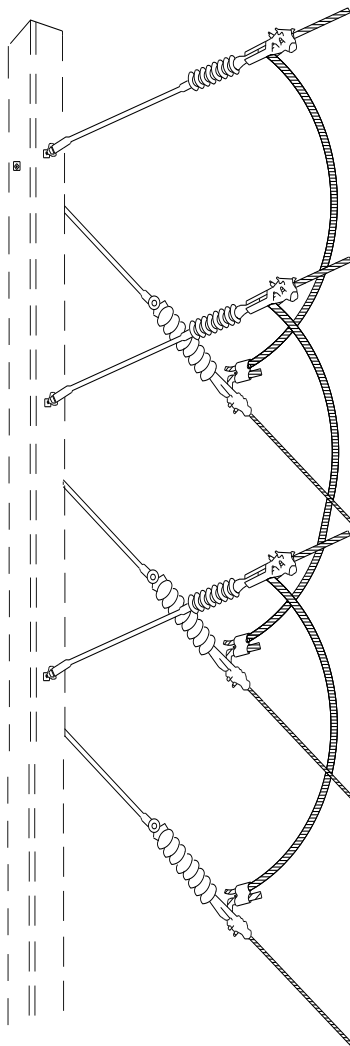
NO.	ITEM ID	QTY	DESCRIPTION
1	BOL DA 015	2	BOLT, DOUBLE ARMING, 3/4X14
2	BOL DA 016	1	BOLT, DOUBLE ARMING, 3/4X16
3	CLA ** ***	3	GENERAL CODE FOR SUSPENSION CLAMP
4	INS CO 001	3	INSULATOR, DEAD-END, POLYMER 27KV
5	INS FE 002	3	FIBERGLASS EXTENSION LINK, 12"
5	GUA LI ***	3	GENERAL CODE FOR LINE GUARD
6	NUT EY 003	3	NUT, EYE 3/4
7	WAS RD 005	3	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
9	WAS SF 003	6	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
8	WAS SP 002	3	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DC4F-5 (FIBERGLASS CONSTRUCTION)

60 TO 90 DEGREE CORNER – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0, 3/0, 336, 636

BOLT PLATE: B7*A, B7*B, B7*C



NO.	ITEM ID	QTY	DESCRIPTION
1	BOL DA 015	4	BOLT, DOUBLE ARMING, 3/4X14
2	BOL DA 016	2	BOLT, DOUBLE ARMING, 3/4X16
3	CLA SS ***	6	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
4	CNN ** ***	3	GENERAL CODE FOR TAP CONNECTOR
5	INS CO 001	6	INSULATOR, DEAD-END, POLYMER 27KV
6	INS FE 002	6	FIBERGLASS EXTENSION LINK, 12"
7	NUT EY 003	6	NUT, EYE 3/4
8	WAS RD 005	6	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
9	WAS SF 003	12	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
10	WAS SP 002	6	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

Revised: January 1, 2018

Revised By: HTH

Approved By: BTM

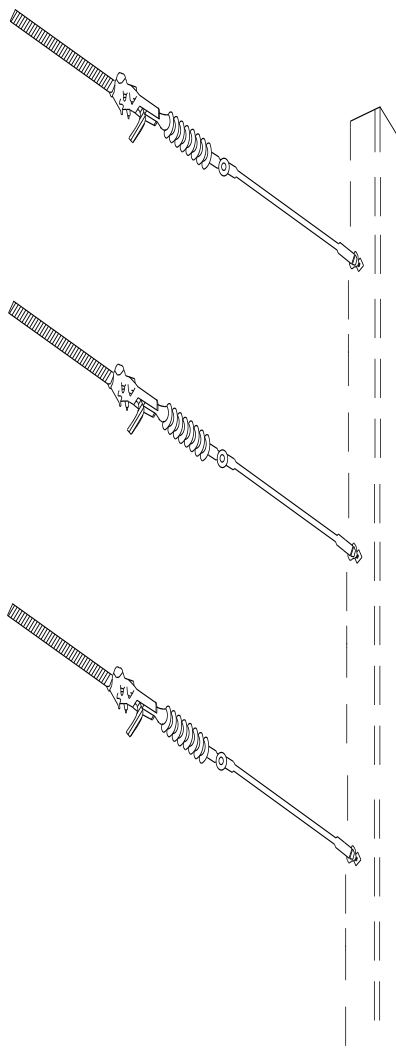
VERTICAL PRIMARY

DC5F-5 (FIBERGLASS CONSTRUCTION)

DEADEND – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0, 2/0CU, 3/0, 4/0CU, 336, 636

BOLT PLATE: B5*A, B5*B, B5*C



NO.	ITEM ID	QTY	DESCRIPTION
1	BOL DA 015	2	BOLT, DOUBLE ARMING, 3/4X14
2	BOL DA 016	1	BOLT, DOUBLE ARMING, 3/4X16
3	CLA SS ***	3	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
4	INS CO 001	3	INSULATOR, DEAD-END, POLYMER 27KV
5	INS FE 002	3	FIBERGLASS EXTENSION LINK, 12"
6	NUT EY 003	3	NUT, EYE 3/4
7	WAS RD 005	3	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
8	WAS SF 003	6	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
9	WAS SP 002	3	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

Revised: January 1, 2018

Revised By: HTH

Approved By: BTM

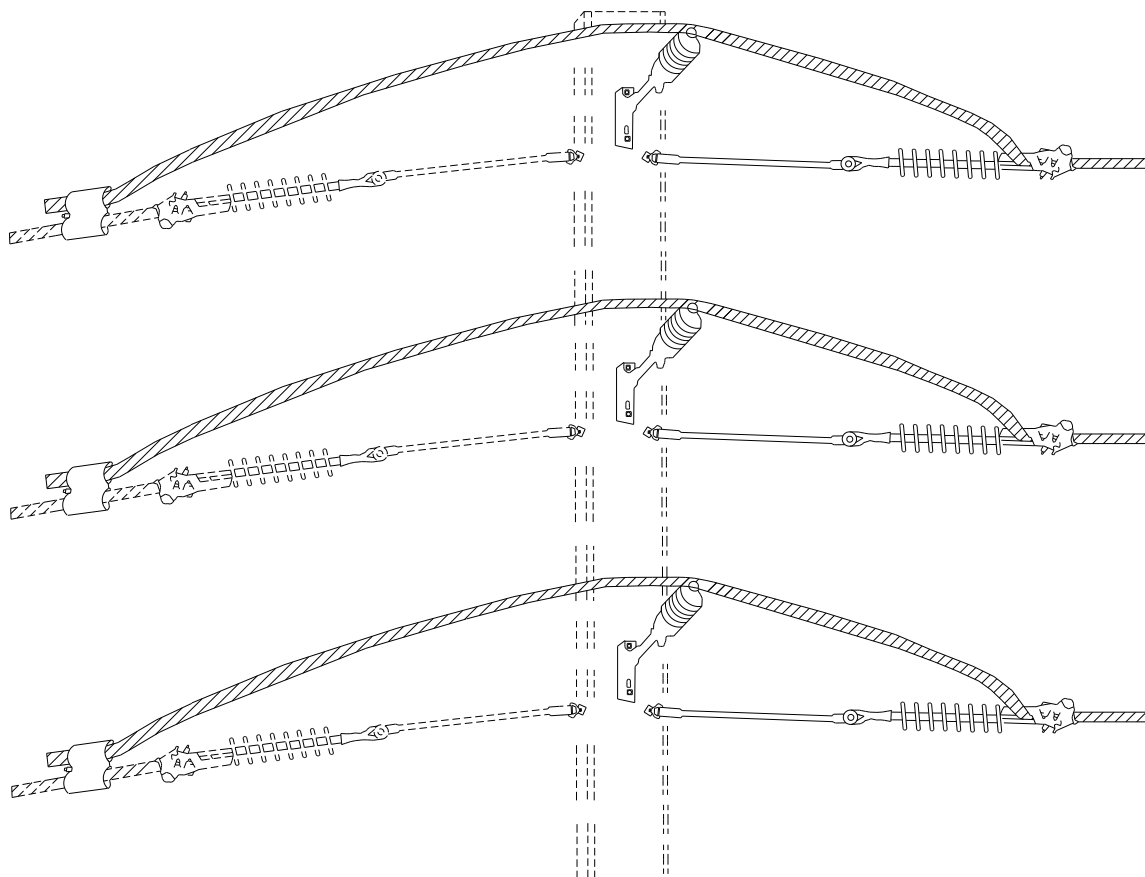
VERTICAL PRIMARY

DC6F-5 (FIBERGLASS CONSTRUCTION)

EXTENSION OFF EXISTING DEADEND – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0, 2/0CU, 3/0, 4/0CU, 336, 636

BOLT PLATE: B5*A, B5*B, B5*C



NO.	ITEM ID	QTY	DESCRIPTION
1	BKT FS 001	3	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
2	BOL DA 015	2	BOLT, DOUBLE ARMING, 3/4X14
3	BOL DA 016	1	BOLT, DOUBLE ARMING, 3/4X16
4	BOL MS 035	1	BOLT, MACHINE, SQUARE HEAD 3/4X12
5	BOL MS 036	1	BOLT, MACHINE, SQUARE HEAD 3/4X14
6	BOL MS 037	1	BOLT, MACHINE, SQUARE HEAD 3/4X16
7	CLA SS ***	3	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
8	CNN ** ***	3	GENERAL CODE FOR TAP CONNECTOR
9	INS CO 001	3	INSULATOR, DEAD-END, POLYMER 27KV
10	INS FE 002	3	FIBERGLASS EXTENSION LINK, 12"
11	INS VP 001	3	INSULATOR, VERTICAL POST, 34.5KV
12	NUT EY 003	3	NUT, EYE 3/4
13	TIE PR ***	3	GENERAL CODE FOR PREFORMED TIE
14	WAS RD 005	15	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
15	WAS SF 003	12	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
16	WAS SP 002	9	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

Revised: January 1, 2018

Revised By: HTH

Approved By: BTM

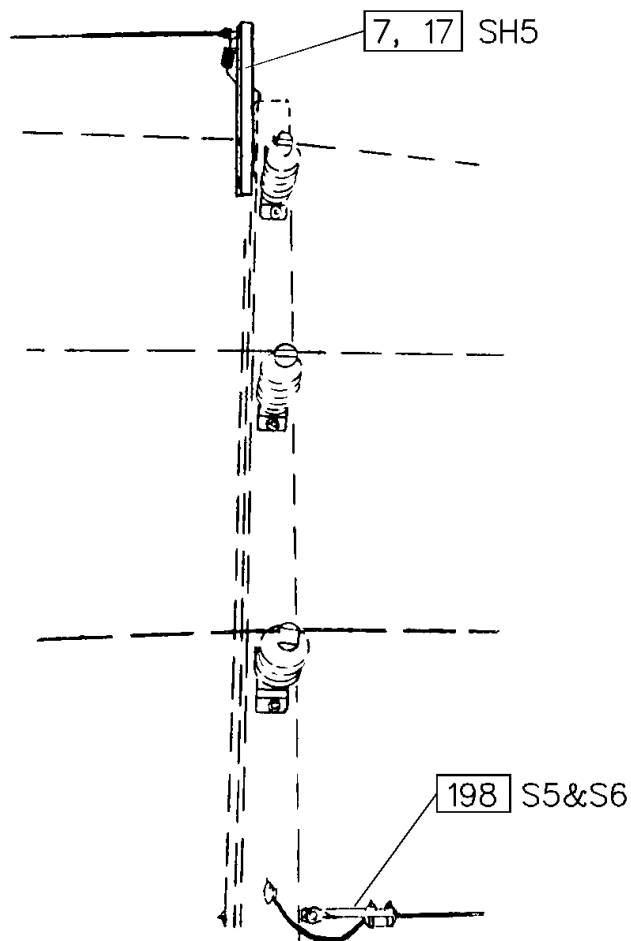
VERTICAL PRIMARY

DC6-6

NEUTRAL TO SHIELD TRANSITION

OPTIONS: 2, 1/0, 2/0, 3/0, 4/0, 636

BOLT PLATE: B11*A, B11*B, B11*C



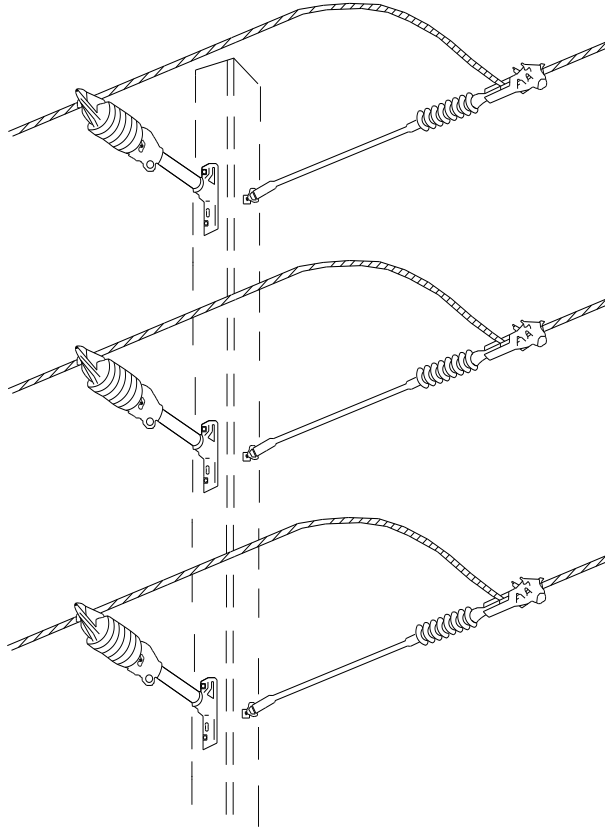
NO.	ITEM ID	QTY	DESCRIPTION
1	BAY SW 003	1	BAYONET, SHIELD WIRE 40 IN. CORNER
2	BOL EY 005	1	BOLT, EYE 5/8X16
3	BOL MS 032	1	BOLT, MACHINE, SQUARE HEAD 3/4X6
4	BOL MS 035	2	BOLT, MACHINE, SQUARE HEAD 3/4X12
5	CLA SS ***	1	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
6	CNN ** ***	1	GENERAL CODE FOR TAP CONNECTOR
7	CNN CP 002	1	CONNECTOR, AL. COMP. SIDE-BY 6-2 2-1/0
8	GRI PR 001	1	GRIP, PREFORMED DEADEND 3 NO 6 AW
9	NUT EY 002	1	NUT, EYE 5/8
10	NUT SL 004	1	LOCKNUT, SQUARE, M-F 3/4
11	THI EY 001	1	NUT, THIMBLE-EYE 3/4
12	WAS RD 005	6	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
13	WAS SF 003	4	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
14	WAS SP 002	3	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DC7FSL-5 (FIBERGLASS CONSTRUCTION)

DEADEND AND SLACK CARRY THRU – UNSHIELDED

OPTIONS: 2, 1/0, 3/0, 336, 636

BOLT PLATE: B13*A, B13*B, B13*C



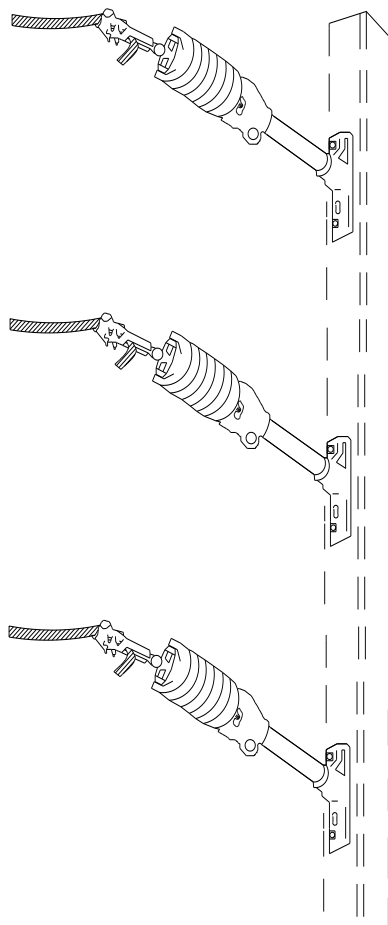
NO.	ITEM ID	QTY	DESCRIPTION
1	BKT FS 001	3	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
2	BOL DA 015	4	BOLT, DOUBLE ARMING, 3/4X14
3	BOL DA 016	2	BOLT, DOUBLE ARMING, 3/4X16
4	BOL MS 035	1	BOLT, MACHINE, SQUARE HEAD 3/4X12
5	BOL MS 036	1	BOLT, MACHINE, SQUARE HEAD 3/4X14
6	BOL MS 037	1	BOLT, MACHINE, SQUARE HEAD 3/4X16
7	CLA CT ***	3	GENERAL CODE FOR ANGLE CLAMP
8	CLA SS ***	3	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
9	GUA LI ***	3	GENERAL CODE FOR LINE GUARD
10	INS CO 001	3	INSULATOR, DEAD-END, POLYMER 27KV
11	INS FE 002	3	FIBERGLASS EXTENSION LINK, 12"
12	INS HP 001	3	INSULATOR, POST 34.5KV CLAMP
13	NUT EY 003	3	NUT, EYE 3/4
14	STU LI 001	3	STUD, LINE POST 3/4 HEAD - 3/4 IN. DIA. X 1-3/4 SHANK
15	WAS RD 005	12	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
16	WAS SF 003	10	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
17	WAS SP 002	7	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DC7F-5 (FIBERGLASS CONSTRUCTION)

SLACKSPAN DEADEND – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0, 3/0, 336, 636

BOLT PLATE: B9*A, B9*B, B9*C



NO.	ITEM ID	QTY	DESCRIPTION
1	ADP TU 001	3	ADAPTER, TRUNNION - SLACK SPANNING
2	BKT FS 001	3	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
3	BOL MS 035	2	BOLT, MACHINE, SQUARE HEAD 3/4X12
4	BOL MS 036	3	BOLT, MACHINE, SQUARE HEAD 3/4X14
5	BOL MS 037	1	BOLT, MACHINE, SQUARE HEAD 3/4X16
6	CLA SS ***	3	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
7	INS VP 002	3	INSULATOR, POST 34.5KV CLAMP
8	STU LI 001	3	STUD, LINE POST 3/4 HEAD - 3/4 IN. DIA. X 1-3/4 SHANK
9	WAS RD 005	12	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
10	WAS SF 003	6	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
11	WAS SP 002	6	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

Revised: January 1, 2018

Revised By: HTH

Approved By: BTM

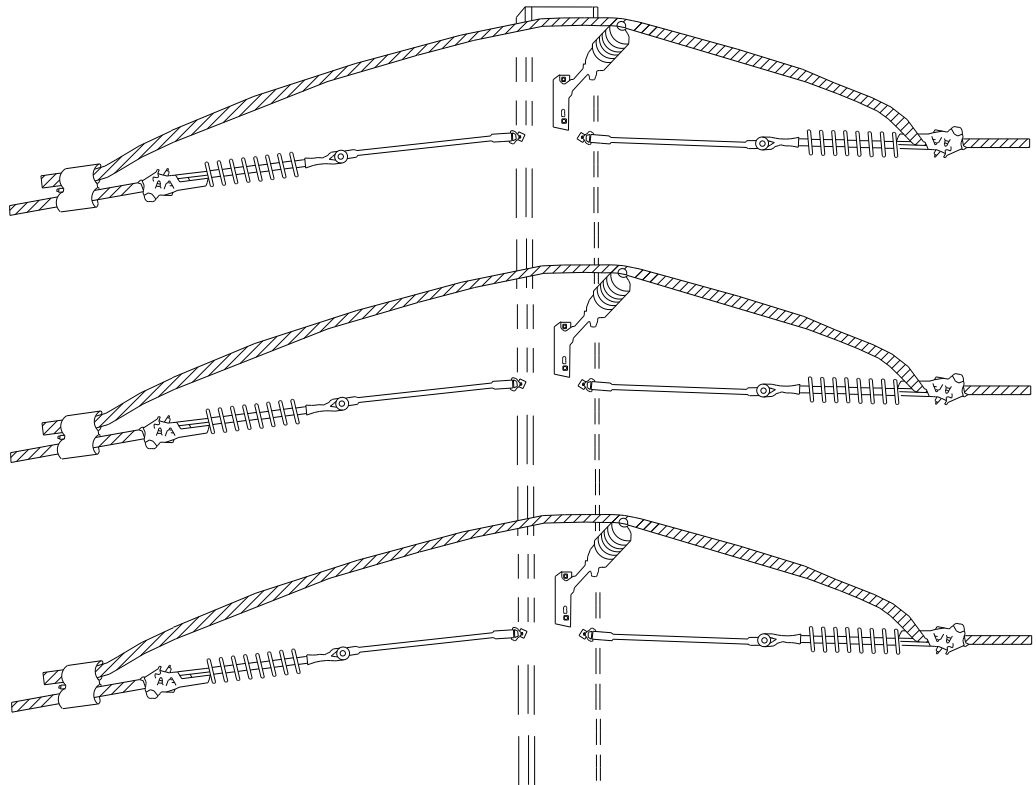
VERTICAL PRIMARY

DC8F-5 (FIBERGLASS CONSTRUCTION)

DOUBLE DEADEND – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0, 3/0, 336, 636

BOLT PLATE: B7*A, B7*B, B7*C



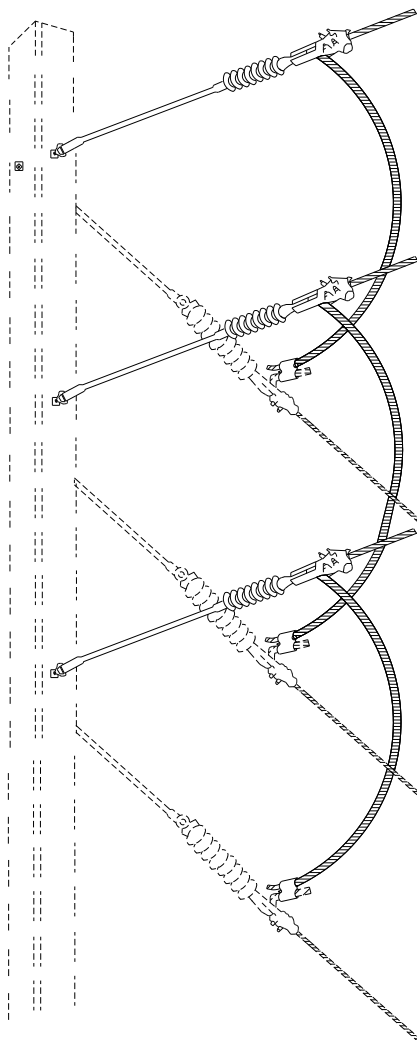
NO.	ITEM ID	QTY	DESCRIPTION
1	BKT FS 001	3	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
2	BOL DA 015	4	BOLT, DOUBLE ARMING 3/4X14
3	BOL DA 016	2	BOLT, DOUBLE ARMING, 3/4X16
4	BOL MS 035	1	BOLT, MACHINE, SQUARE HEAD 3/4X12
5	BOL MS 036	1	BOLT, MACHINE, SQUARE HEAD 3/4X14
6	BOL MS 037	1	BOLT, MACHINE, SQUARE HEAD 3/4X16
7	CLA SS ***	6	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
8	CNN ** ***	3	GENERAL CODE FOR TAP CONNECTOR
9	INS CO 001	6	INSULATOR, DEAD-END, POLYMER 27KV
10	INS FE 002	3	FIBERGLASS EXTENSION LINK, 12"
11	INS VP 001	3	INSULATOR, POST 34.5KV
12	NUT EY 003	6	NUT, EYE 3/4
13	TIE PR ***	3	GENERAL CODE FOR PREFORMED TIE
14	WAS RD 005	18	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
15	WAS SF 003	15	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
16	WAS SP 002	15	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DC18F-5 (FIBERGLASS CONSTRUCTION)

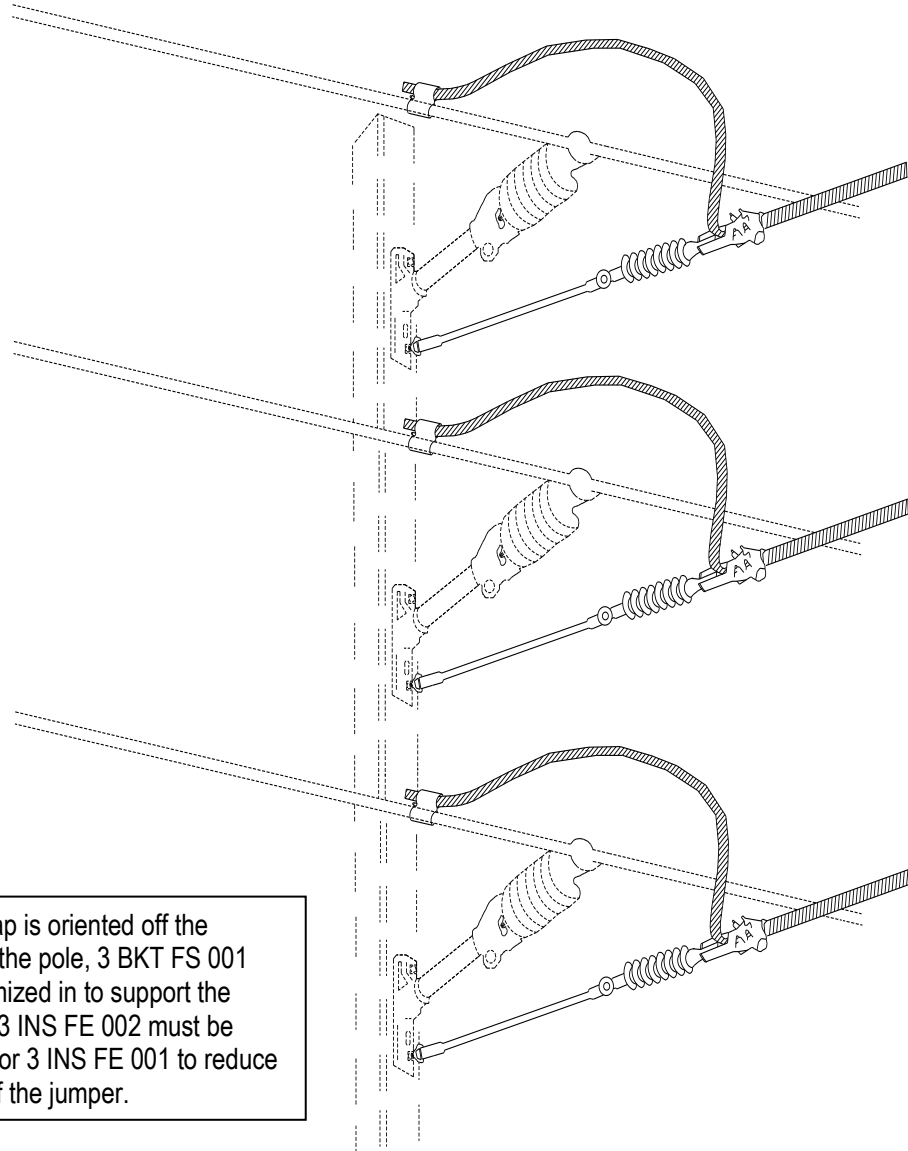
60 TO 90 DEGREE TAP OFF EXISTING DEADEND – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0, 3/0, 336, 636

BOLT PLATE: B5*A, B5*B, B5*C



NO.	ITEM ID	QTY	DESCRIPTION
1	BOL DA 015	2	BOLT, DOUBLE ARMING, 3/4X14
2	BOL DA 016	1	BOLT, DOUBLE ARMING, 3/4X16
3	CLA SS ***	3	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
4	CNN ** ***	3	GENERAL CODE FOR TAP CONNECTOR
5	INS CO 001	3	INSULATOR, DEAD-END, POLYMER 27KV
6	INS FE 002	3	FIBERGLASS EXTENSION LINK, 12"
7	NUT EY 003	3	NUT, EYE 3/4
8	WAS RD 005	3	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
9	WAS SF 003	6	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
10	WAS SP 002	3	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DC20F-5 (FIBERGLASS CONSTRUCTION)**75 TO 90 DEGREE TAP OFF EXISTING POLE – UNSHIELDED****OPTIONS: 2, 4, 6, 1/0, 3/0, 336, 636****BOLT PLATE: NONE**

When this tap is oriented off the backside of the pole, 3 BKT FS 001 must be itemized in to support the jumper and 3 INS FE 002 must be itemized in for 3 INS FE 001 to reduce the length of the jumper.

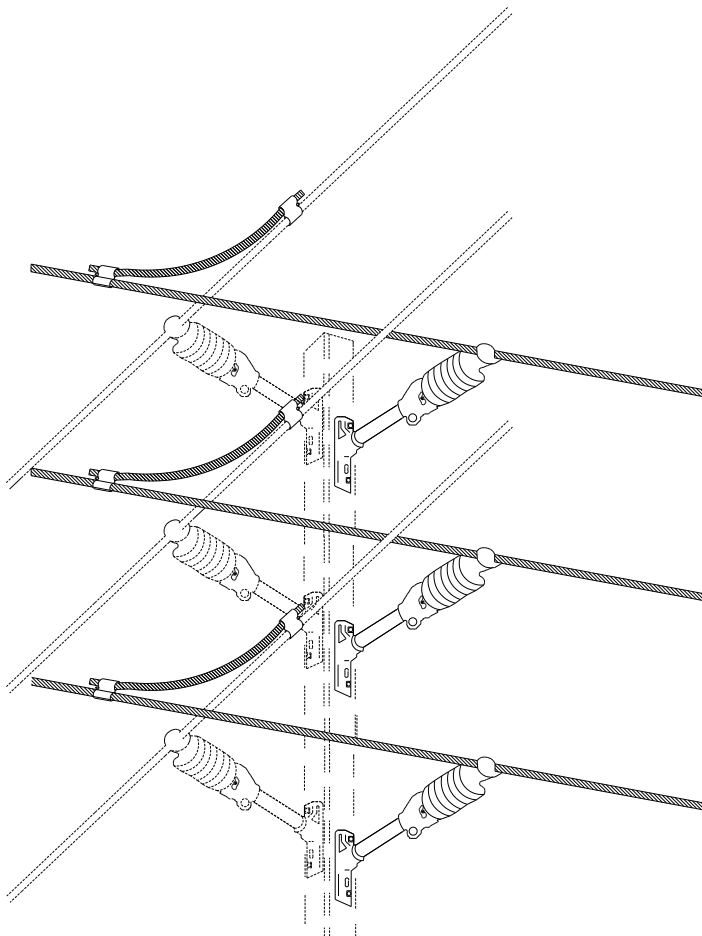
NO.	ITEM ID	QTY	DESCRIPTION
1	CLA SS ***	3	GENERAL CODE FOR STRAIGHT STRAIN CLAMP
2	CNN ** ***	3	GENERAL CODE FOR TAP CONNECTOR
3	COB ** ***	18	GENERAL CODE FOR CONDUCTOR
4	INS CO 001	3	INSULATOR, DEAD-END, POLYMER 27KV
5	INS FE 001	3	FIBERGLASS EXTENSION LINK, 24"
6	NUT EY 003	3	NUT, EYE 3/4

DC21F-5 (FIBERGLASS CONSTRUCTION)

0 TO 10 DEGREE CROSS OFF EXISTING POLE – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0, 3/0, 336, 636

BOLT PLATE: B2*A, B2*B, B2*C



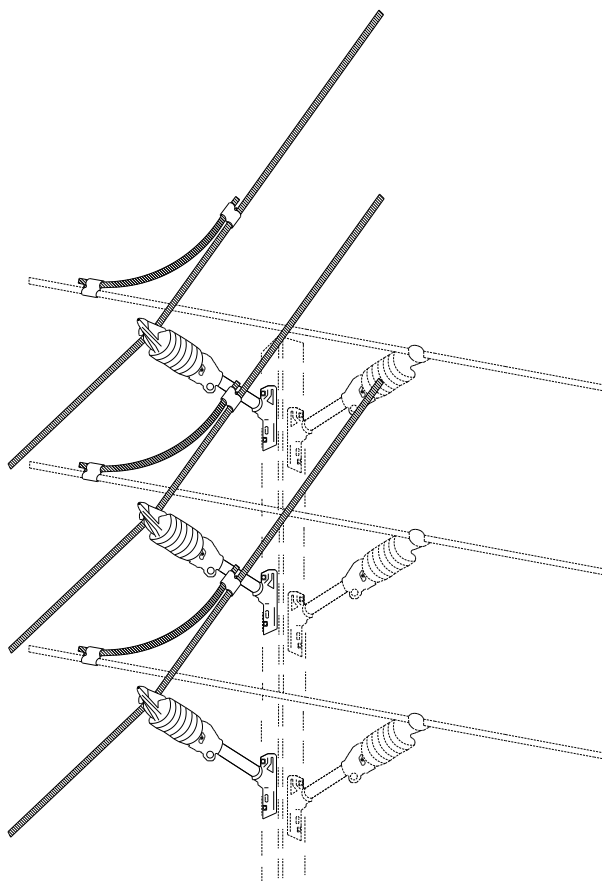
NO.	ITEM ID	QTY	DESCRIPTION
1	BKT FS 001	3	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
2	BOL DA 015	2	BOLT, DOUBLE ARMING, 3/4X14
3	BOL DA 016	1	BOLT, DOUBLE ARMING, 3/4X16
4	BOL MS 035	1	BOLT, MACHINE, SQUARE HEAD 3/4X12
5	BOL MS 036	1	BOLT, MACHINE, SQUARE HEAD 3/4X14
6	BOL MS 037	1	BOLT, MACHINE, SQUARE HEAD 3/4X16
7	CNN ** ***	6	GENERAL CODE FOR TAP CONNECTOR
8	COB ** ***	9	GENERAL CODE FOR CONDUCTOR
9	INS VP 001	3	INSULATOR, POST 34.5KV
10	STU LI 001	3	STUD, LINE POST 3/4 HEAD- 3/4 DIA.X 1-3/4 IN. SHANK
11	TIE PR ***	3	GENERAL CODE FOR PREFORMED TIE
12	WAS RD 005	12	WASHER, ROUND, 2 INCH, FOR 3/4 IN. DIA. BOLT
13	WAS SF 003	6	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
14	WAS SP 002	6	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT

DC22F-5 (FIBERGLASS CONSTRUCTION)

10 TO 30 DEGREE CROSS OFF EXISTING POLE – UNSHIELDED

OPTIONS: 2, 4, 6, 1/0, 3/0, 336, 636

BOLT PLATE: B2*A, B2*B, B2*C



NO.	ITEM ID	QTY	DESCRIPTION
1	BKT FS 001	3	BRACKET, FIBERGLASS STANDOFF, 18 IN., 2 IN. ROD
2	BOL DA 015	2	BOLT, DOUBLE ARMING, 3/4X14
3	BOL DA 016	1	BOLT, DOUBLE ARMING, 3/4X16
4	BOL MS 035	1	BOLT, MACHINE, SQUARE HEAD 3/4X12
5	BOL MS 036	1	BOLT, MACHINE, SQUARE HEAD 3/4X14
6	BOL MS 037	1	BOLT, MACHINE, SQUARE HEAD 3/4X16
7	CLA CT ***	3	GENERAL CODE FOR CLAMP TOP INSULATOR CLAMP
8	CNN ** ***	6	GENERAL CODE FOR TAP CONNECTOR
9	COB ** ***	9	GENERAL CODE FOR CONDUCTOR
10	INS HP 001	3	INSULATOR, HORIZONTAL POST, 34.5KV, CLAMP
11	GUA LI ***	3	GENERAL CODE FOR LINE GUARD
12	STU LI 001	3	STUD, LINE POST 3/4 HEAD - 3/4 IN. DIA. X 1-3/4 SHANK
13	WAS RD 005	12	WASHER, ROUND, 2 IN., FOR 3/4 IN. DIA. BOLT
14	WAS SF 003	6	WASHER, SQUARE, FLAT, 3 IN., FOR 3/4 IN. DIA. BOLT
15	WAS SP 002	6	WASHER, SPRING, DOUBLE HELIX, FOR 3/4 IN. DIA. BOLT