

C*PT-MT-9F-B-OO10 FIBERGLASS CROSSARM FOR 35/46/69KV SINGLE POLE STRUCTURE TV-5HC1F (SX) MID: 6000740586

CU FUNCTION: TL69 FOR 35KV & 46KV, TG69 FOR 69KV THRU 344KV, T345 FOR 345KV & GREATER.

FOR CORRECT CU: SUBSTITUTE 5 FOR NYSEG, 6 FOR CMP OR 9 FOR RG&E IN PLACE OF ASTERISK (C*_).

NOTE A: DRILLING: ALL HOLES - 15/16" DIAMETER UNLESS OTHERWISE NOTED

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Contact Engineering Standards - Transmission Section for the creation of new standards and CUs.

Date Ck.:

12/24/2014

CUs. Drawing Scale: 1" = 5'

| IBERDROLA USA | |
|---------------------|---|
| Drwn, By: Date Dr.: | Г |

B. Franklin | 1/6/2014

TRANSMISSION
CONSTRUCTION
STANDARDS
MANUAL
Checked By:

Becken/Hart

TRANSMISSION STANDARDS - CROSSARMS

Date App.:

12/24/2014

Approved By:

Barry R. Hart

35/46/69kV SINGLE CIRCUIT - MAINTENANCE - SINGLE ARM TANGENT POST 4-5/8" X 3-5/8" X 10'-0" FIBERGLASS CROSSARM DETAILS

MID 6000740586

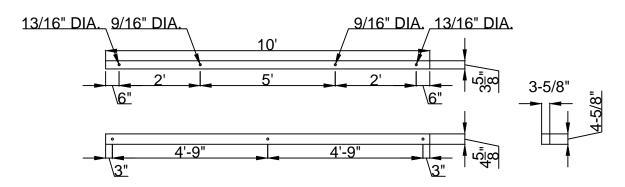
M2.23.MT-9F-B-OO10

Sheet 1

REVISION

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DATE 5/21/2015



C*PT-MT-9F-C-OO10
FIBERGLASS CROSSARM FOR MULTI-VOLTAGE SINGLE POLE
STRUCTURE TV-5HC2F (DX)
MID: 6000740588

CU FUNCTION: TL69 FOR 35KV & 46KV, TG69 FOR 69KV THRU 344KV, T345 FOR 345KV & GREATER.

FOR CORRECT CU: SUBSTITUTE 5 FOR NYSEG, 6 FOR CMP OR 9 FOR RG&E IN PLACE OF ASTERISK (C^* _).

NOTE A: DRILLING: ALL HOLES - 15/16" DIAMETER UNLESS OTHERWISE NOTED

NOTE B: FOR DOUBLE ARM TANGENT POST STRUCTURE.

NOTE C: THIS CU INLCUDES ONLY ONE (1) ARM. THEREFORE, 2 CUS MUST BE ORDERED TO COMPLETE THIS STRUCTURE.

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Drawing Scale: 1" = 5'

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TRANSMISSION CONSTRUCTION STANDARDS MANUAL

TRANSMISSION STANDARDS - CROSSARMS

35/46/69kV SINGLE CIRCUIT - MAINTENANCE - DOUBLE ARM TANGENT POST 4-5/8" X 3-5/8" X 10'-0" FIBERGLASS CROSSARM DETAILS MID 6000740588

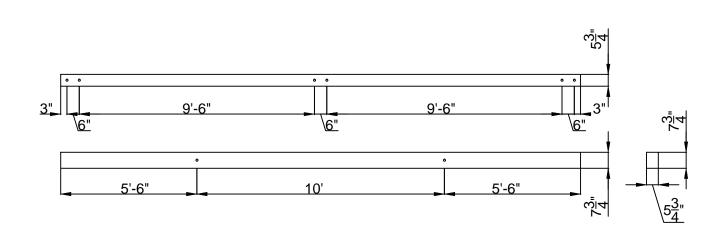
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| | DATE | | |
| | 5/21/2015 | | |

REVISION

Drwn. By: Date Dr.: Checked By: Date Ck.: Approved By: B. Franklin 1/6/2014 Becken/Hart 12/24/2014 Barry R. Hart

Date App.: t 12/24/2014

TM2.23.MT-9F-C-OO10



C*PT-MT-9L-B-CE21 LAMINATED WOOD CROSSARM FOR MULTI-VOLTAGE H-FRAME TANGENT SUSPENSION STRUCTURE TV-5HHSA (A) MID: 6000740610

CU FUNCTION: TL69 FOR 35KV & 46KV, TG69 FOR 69KV THRU 344KV, T345 FOR 345KV & GREATER.

FOR CORRECT CU: SUBSTITUTE 5 FOR NYSEG, 6 FOR CMP OR 9 FOR RG&E IN PLACE OF ASTERISK (C^* _).

NOTE A: DRILLING: ALL HOLES - 15/16" DIAMETER UNLESS OTHERWISE NOTED

THIS IS A COMPUTER GENERATED DRAWING - DO NOT REVISE MANUALLY

Contact Engineering Standards - Transmission Section for the creation of new standards and CUs.

Drawing Scale: NTS

| IBER USA | DROLA |
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| Drwn. By: | Date Dr.: |

TRANSMISSION CONSTRUCTION STANDARDS MANUAL TRANSMISSION STANDARDS - CROSSARMS
35kV SINGLE CIRCUIT - H-FRAME - MAINTENANCE ONLY
5-3/4" X 7-3/4" X 21' LAMINATED WOOD CROSSARM DETAILS
MID 6000740610

00 DATE 5/21/2015

REVISION

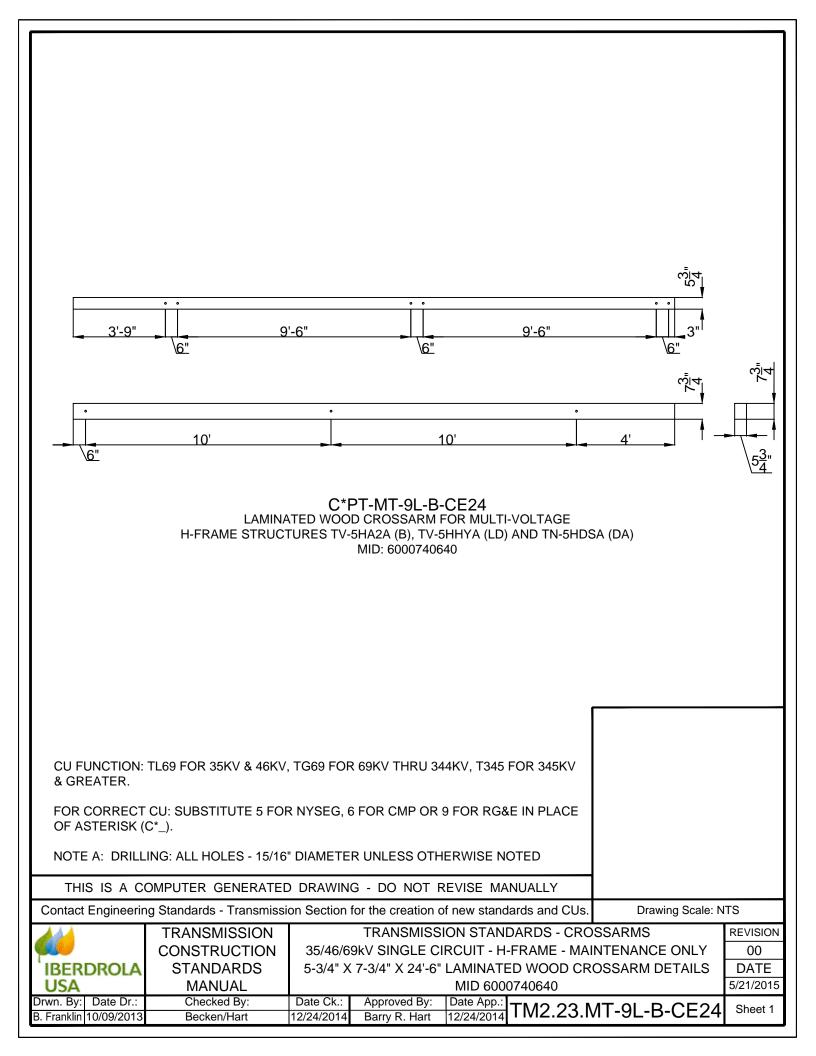
Drwn. By: Date Dr.: Checked By:

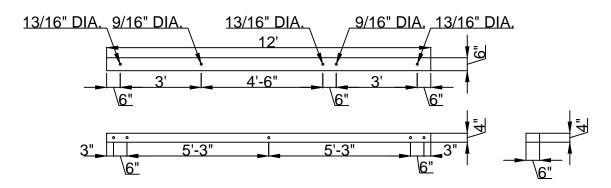
B. Franklin 10/09/2013 Becken/Hart

Date Ck.: 12/24/2014

Approved By: Barry R. Hart

Date App.: 12/24/2014 TM2.23.MT-9L-B-CE21





C*PT-TT-9F-C-BB12

FIBERGLASS CROSSARM FOR DOUBLE ARM DEADEND MULTI-VOLTAGE SINGLE POLE STRUCTURES TN-6HTYK (BN-HS), TN-6HDAK (BN-DEAS), TV-6HTYK (BN-H) AND TV-6HDAK (BN-DEA) MID: 6000740560

CU FUNCTION: TL69 FOR 35KV & 46KV, TG69 FOR 69KV THRU 344KV, T345 FOR 345KV & GREATER.

FOR CORRECT CU: SUBSTITUTE 5 FOR NYSEG, 6 FOR CMP OR 9 FOR RG&E IN PLACE OF ASTERISK (C^* _).

NOTE A: DRILLING: ALL HOLES - 15/16" DIAMETER UNLESS OTHERWISE NOTED

NOTE B: FOR DOUBLE ARM DEADEND STRUCTURE.

NOTE C: THIS CU INCLUDES ONLY ONE (1) ARM. THEREFORE, 2 CUS MUST BE ORDERED TO COMPLETE THE STRUCTURE.

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Contact Engineering Standards - Transmission Section for the creation of new standards and CUs.

Date Ck.:

12/24/2014

Barry R. Hart

Drawing Scale: 1" = 5'

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| Drwn By: Date Dr : |

B. Franklin | 8/30/2013

TRANSMISSION CONSTRUCTION STANDARDS MANUAL

Checked By:

Becken/Hart

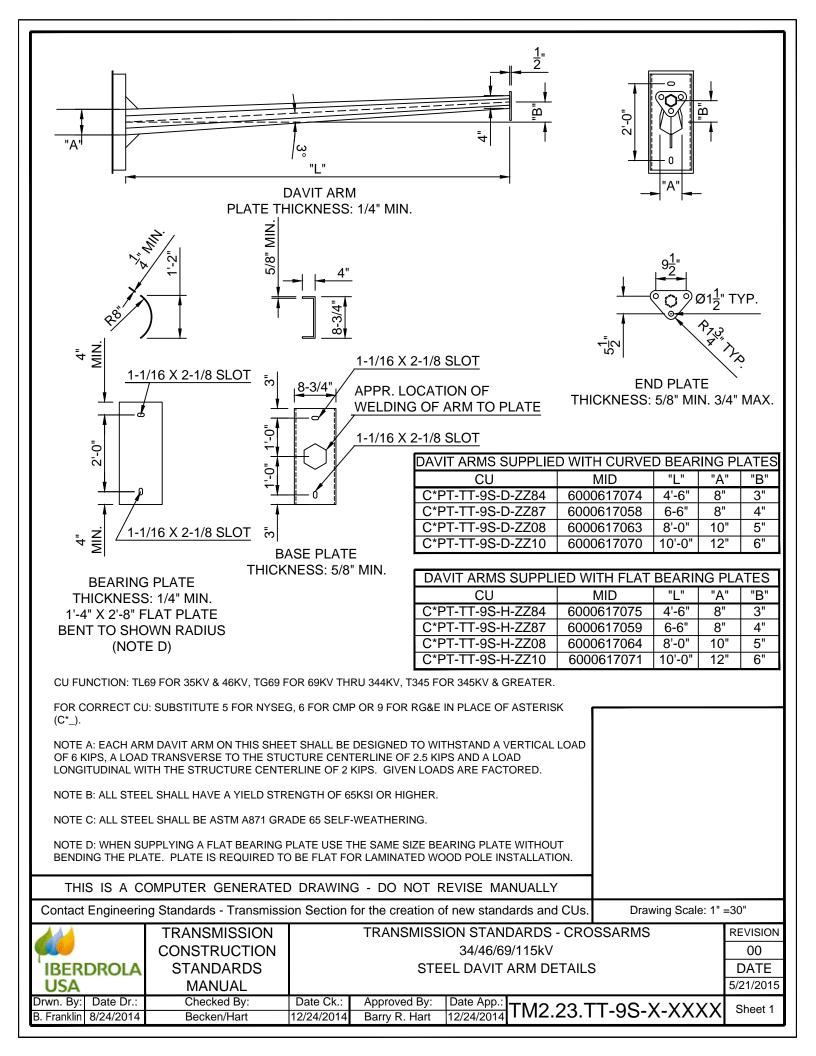
TRANSMISSION STANDARDS - CROSSARMS
35/46/69kV SINGLE CIRCUIT - DOUBLE ARM DEADEND
6" X 4" X 12'-0" FIBERGLASS CROSSARM DETAILS

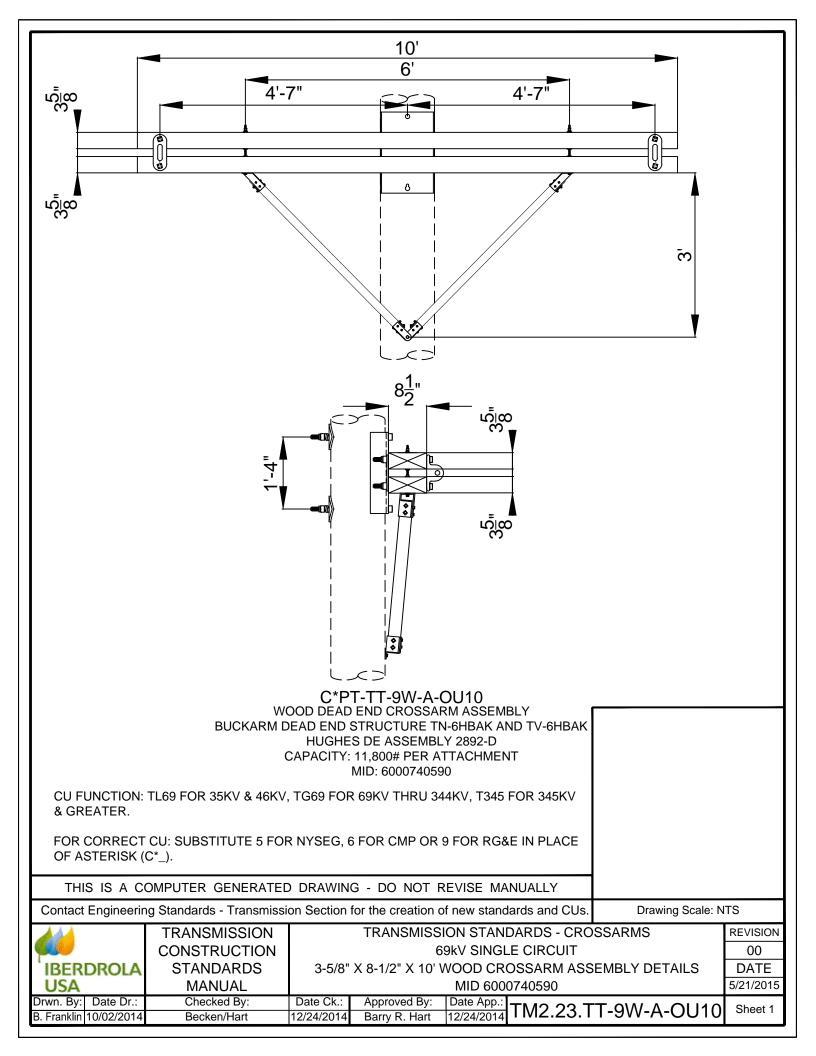
00 DATE 5/21/2015

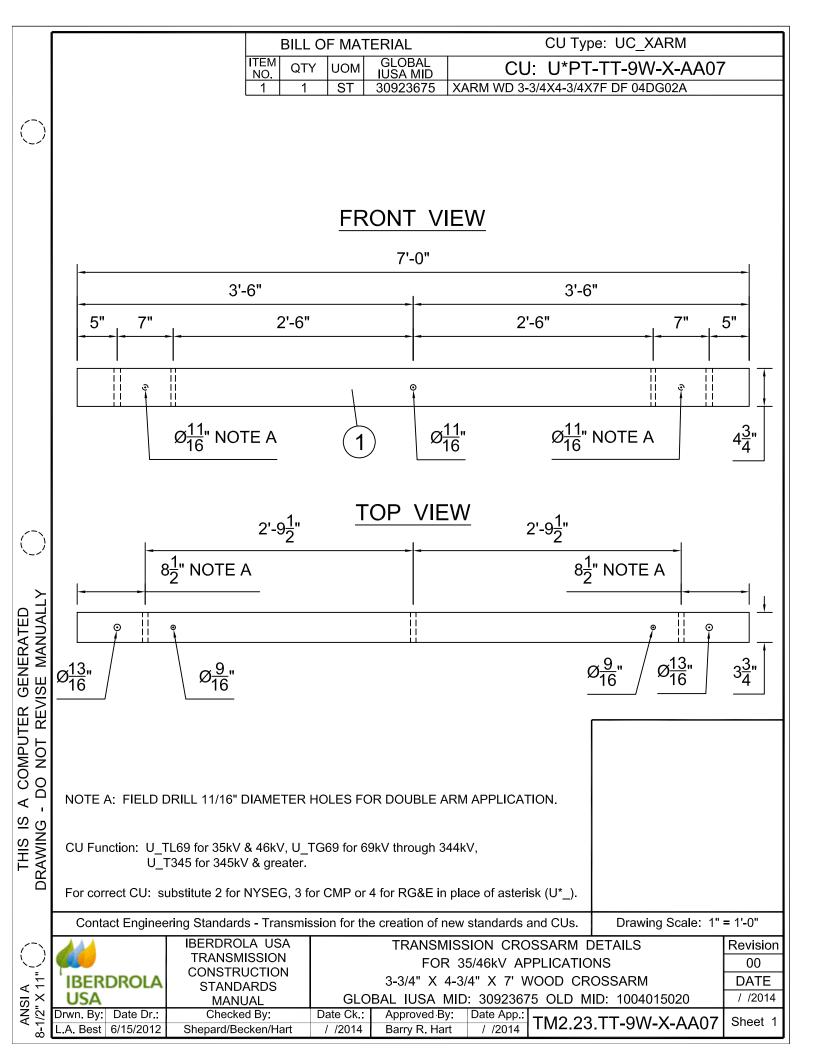
MID 6000740560
Approved By: Date App.:

12/24/2014

TM2.23.TT-9F-C-BB12



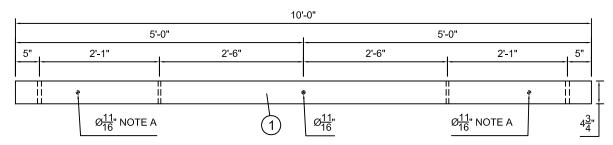




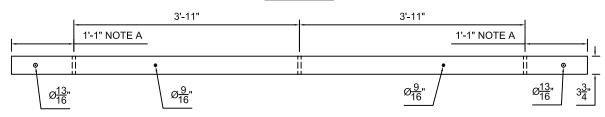
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| BILL OF MATERIAL | | | ΓERIAL | CU Type: UC_XARM |
|------------------|-----|-----|--------------------|------------------------------------|
| ITEM NO. | QTY | иом | GLOBAL IUSA MID | CU: U*PT-TT-9W-X-AA10 |
| 1 | 1 | ST | 30923672 | XARM WD 3-3/4X4-3/4X10F DF 04DG31A |

FRONT VIEW



TOP VIEW



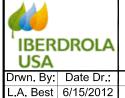
NOTE A: FIELD DRILL 11/16" DIAMETER HOLES FOR DOUBLE ARM APPLICATION.

CU Function: U_TL69 for 35kV & 46kV, U_TG69 for 69kV through 344kV, U_T345 for 345kV & greater.

For correct CU: substitute 2 for NYSEG, 3 for CMP or 4 for RG&E in place of asterisk (U*_).

Contact Engineering Standards - Transmission for the creation of new standards and CUs.

Drawing Scale: 1" = 20



IBERDROLA USA **TRANSMISSION** CONSTRUCTION STANDARDS **MANUAL**

TRANSMISSION CROSSARM DETAILS FOR 35/46kV APPLICATIONS 3-3/4" X 4-3/4" X 10' WOOD CROSSARM

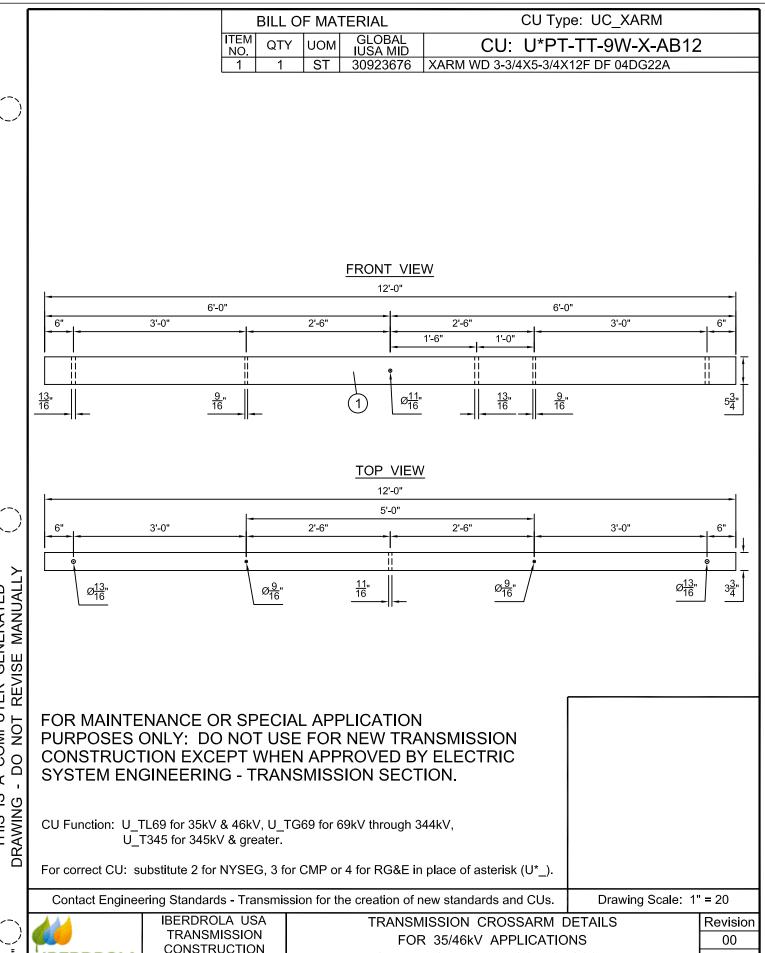
00 DATE / /2014

GLOBAL IUSA MID: 30923672 OLD MID: 1004016020 Checked By: Date Ck.: Approved By: Date App. Shepard/Becken/Hart / /2014 Barry R. Hart / /2014

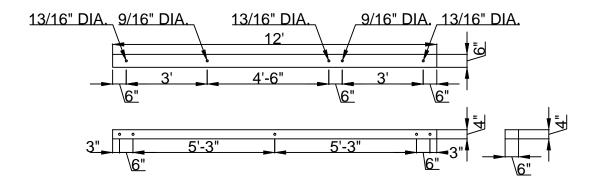
TM2.23.TT-9W-X-AA10

Sheet 1

Revision



CONSTRUCTION **IBERDROLA** 3-3/4" X 5-3/4" X 12' WOOD CROSSARM DATE **STANDARDS** / /2014 GLOBAL JUSA MID: 30923676 OLD MID: 1004016522 **MANUAL** Drwn. By: Date Dr.: Checked By: Date Ck.: Approved By: Date App.: Sheet 1 TM2.23.TT-9W-X-AB12 L.A. Best 6/28/2013 Shepard/Becken/Hart / /2014 Barry R. Hart / /2014



C*PT-TT-5F-C-BB12 FIBERGLASS CROSSARM FOR 35KV SINGLE POLE HENDRIX OPEN WIRE TRANSITION DEADEND ARMS STRUCTURE TZ-5SDTH (HXTOW) MID: 6000740584

CU FUNCTION: TL69 FOR 35KV & 46KV, TG69 FOR 69KV THRU 344KV, T345 FOR 345KV & GREATER.

FOR CORRECT CU: SUBSTITUTE 5 FOR NYSEG, 6 FOR CMP OR 9 FOR RG&E IN PLACE OF ASTERISK (C^* _).

NOTE A: DRILLING: ALL HOLES - 15/16" DIAMETER UNLESS OTHERWISE NOTED

NOTE B: FOR DOUBLE ARM TANGENT SUSPENSION STRUCTURE.

NOTE C: THIS CU INCLUDES ONLY ONE (1) ARM. THEREFORE, 2 CUS MUST BE ORDERED TO COMPLETE THE STRUCTURE.

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Contact Engineering Standards - Transmission Section for the creation of new standards and CUs.

12/24/2014

Drawing Scale: 1" = 5'

| IBERDROLA USA | |
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| Drwn By: Date Dr · | Г |

B. Franklin 8/30/2013

TRANSMISSION CONSTRUCTION STANDARDS MANUAL

Becken/Hart

TRANSMISSION STANDARDS - CROSSARMS
35kV SINGLE CIRCUIT - OPEN WIRE TRANSITION ARMS
6" X 4" X 12'-0" FIBERGLASS CROSSARM DETAILS

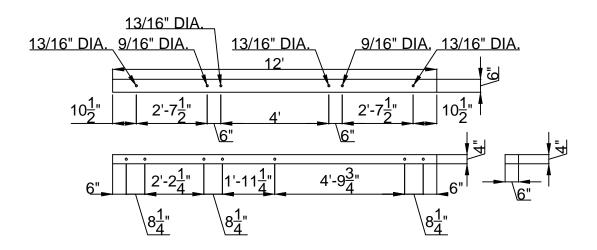
12/24/2014

00 DATE 5/21/2015

MANUAL MID 6000740584
Checked By: Date Ck.: Approved By: Date App.:

Barry R. Hart

TM2.23.TT-5F-C-BB12



C*PT-TT-5F-M-BB12 FIBERGLASS CROSSARM FOR 35KV SINGLE POLE RISER EQUIPMENT MOUNTING ARMS STRUCTURES TN-5HTDK (DRS) AND TN-5HTRK (DRSB) MID: 6000740580

CU FUNCTION: TL69 FOR 35KV & 46KV, TG69 FOR 69KV THRU 344KV, T345 FOR 345KV & GREATER.

FOR CORRECT CU: SUBSTITUTE 5 FOR NYSEG, 6 FOR CMP OR 9 FOR RG&E IN PLACE OF ASTERISK (C*_).

NOTE A: DRILLING: ALL HOLES - 15/16" DIAMETER UNLESS OTHERWISE NOTED

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Contact Engineering Standards - Transmission Section for the creation of new standards and CUs.

12/24/2014

Drawing Scale: 1" = 5'

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| Drwn. By: | Date Dr.: | Г |

B. Franklin 8/30/2013

TRANSMISSION CONSTRUCTION **STANDARDS MANUAL**

Becken/Hart

TRANSMISSION STANDARDS - CROSSARMS 35kV SINGLE CIRCUIT - RISER EQUIPMENT MOUNTING 6" X 4" X 12'-0" FIBERGLASS CROSSARM DETAILS MID 6000740580

REVISION 00 DATE 5/21/2015

Checked By: Date Ck.: Approved By: Date App.: 12/24/2014

Barry R. Hart

TM2.23.TT-5F-M-BB12

