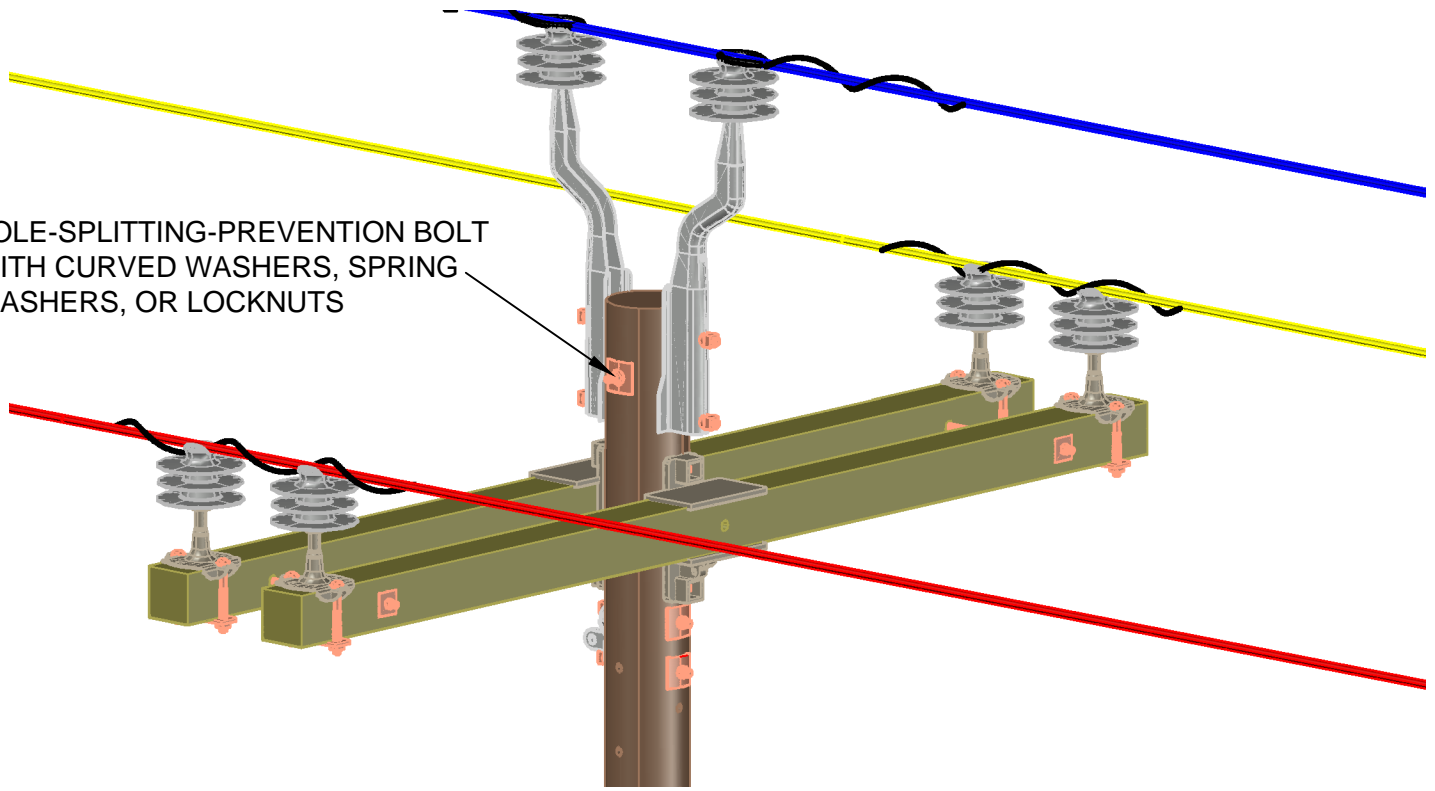
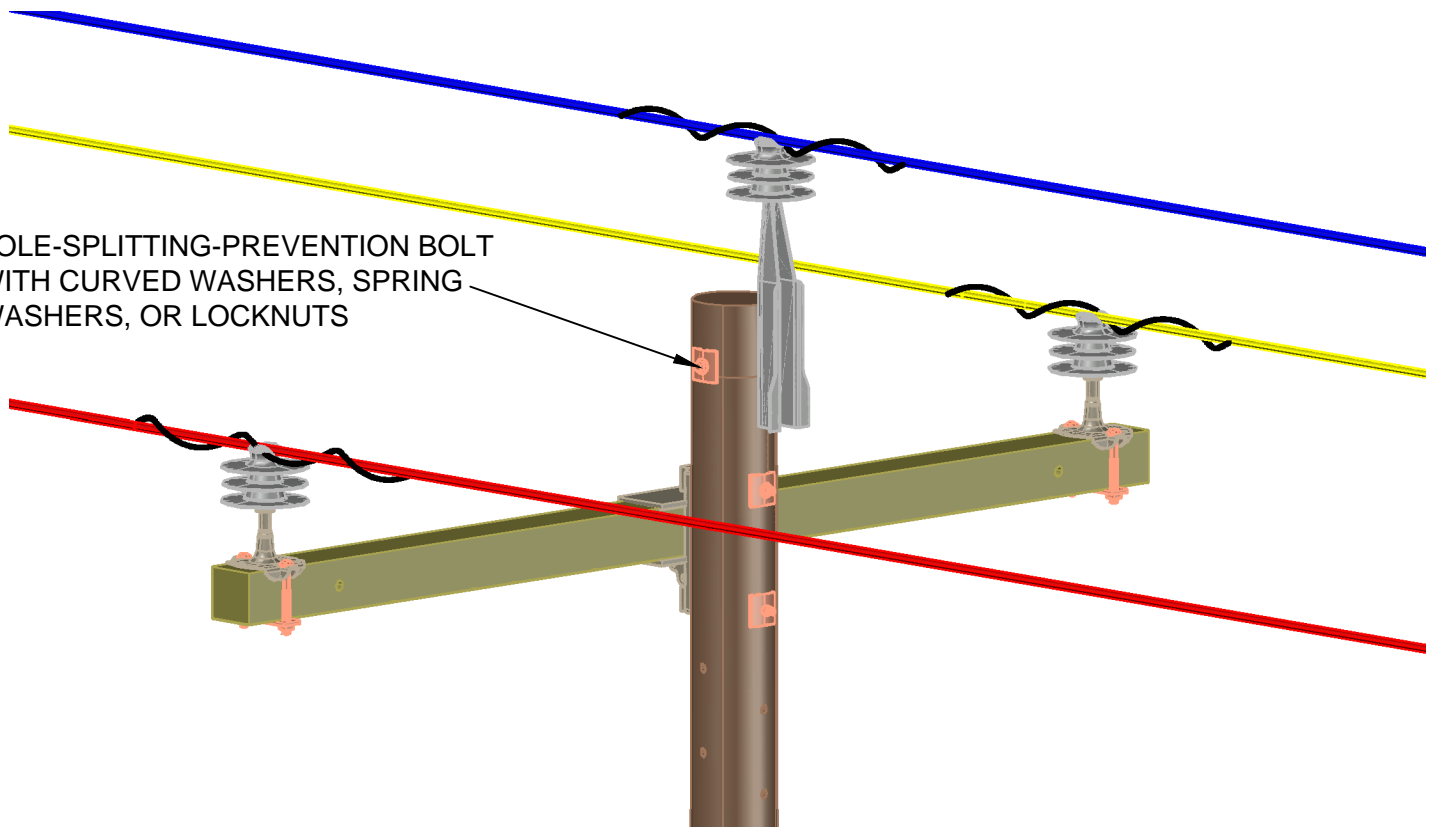


POLE-SPLITTING-PREVENTION BOLT WITH CURVED WASHERS, SPRING WASHERS, OR LOCKNUTS



POLE-SPLITTING-PREVENTION BOLT WITH CURVED WASHERS, SPRING WASHERS, OR LOCKNUTS



IN ACCORDANCE WITH THE STANDARDS COMMITTEE DECISION MADE AT THE AUGUST 8, 2019, QUARTERLY MEETING, A POLE-SPLITTING-PREVENTION BOLT SHALL BE INSTALLED 6" FROM THE TOP OF THE POLE ON ALL CONSTRUCTION WOOD POLE ASSEMBLIES. BOLT LENGTHS WILL BE DEPENDENT ON POLE CLASS.

REV | B | DATE | 12/13/2022 | REVISION | OR LOCKNUTS WAS AND LOCKNUTS, REMOVED QUOTES | BY | RWC | CHK | SSS | APR | MMG

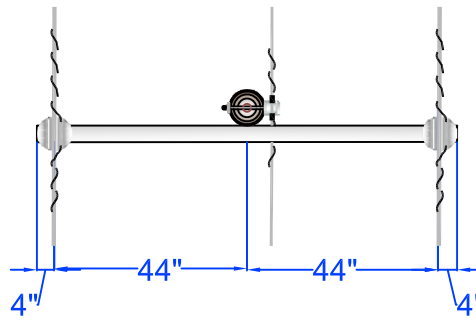
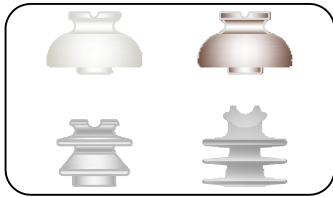


CONSTRUCTION
ASSEMBLY UNIT

SPLIT-PREVENTION BOLTS FOR WOOD POLES

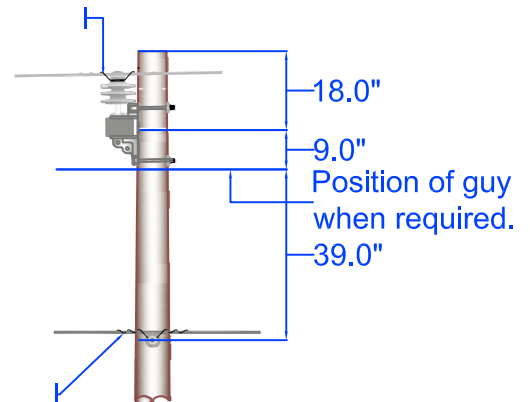
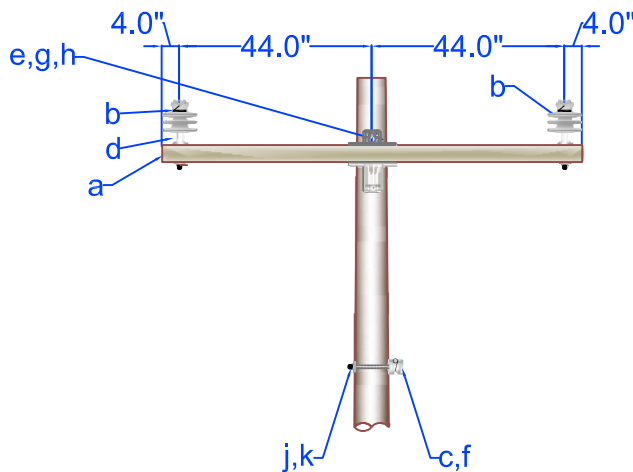
drawn:	approved:	date:	SPLIT PREVENTION
RWC	MMG	12/13/2022	

Possible varieties
of Primary Insulators
(Stock #2000541)



Note:

This unit is to be used for conversion of 1Ø to 3Ø or line maintenance only. No new 2Ø should be constructed.



Item	Material Number	Item Quantity	Item Description	Item	Material Number	Item Quantity	Item Description
a	2001328	1	Xarm Fbgls 8'	g	*3000151	2	Locknut 3/4" M F
b	2000541	2	Insulator Pin Type CI 55-7	h	*3000230	2	Washer SQ F 21/2x21/2 13/16H
c	2000544	1 (0)	Insulator Spool CI 53-2	j	*3000153	1(0)	Locknut 5/8" M F
d	2000626	2	Pin Xarm 1 3/8" Thd Reg	k	*3000240	1(0)	Washer Sq F 2 1/4
e	*	2	Bolt Machine 3/4"	l	*	As Req'd.	Primary and Neutral ties
f	*	1 (0)	Bolt Upset Sgl 5/8"				

Specify Assembly Unit B1N for Assembly Unit B1 less the neutral material. Quantities in parenthesis are for Assembly Unit B1N.

* Denotes "Grab Bag" item. All bolt lengths are dependent on pole class.



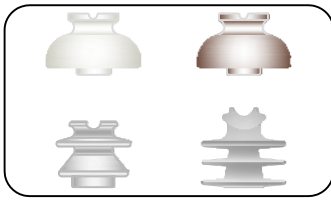
PEDERNALES ELECTRIC
COOPERATIVE, INC.
CONSTRUCTION ASSEMBLY UNIT

**1Ø to 3Ø Conversion Crossarm
Construction Tangent Single Primary Support,
NESC Grade C Construction**

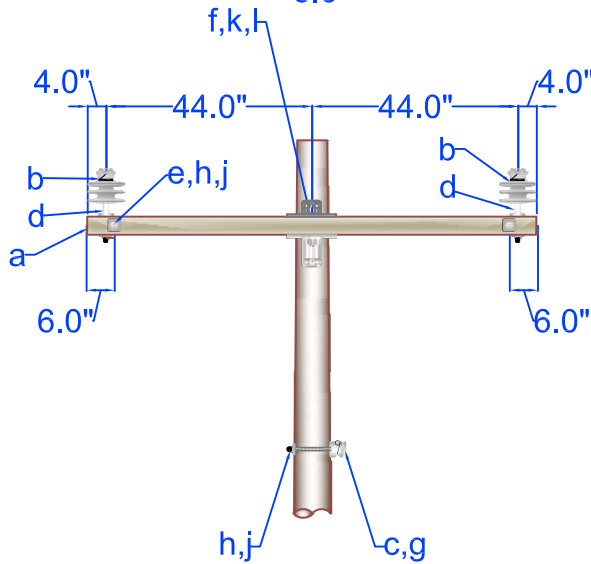
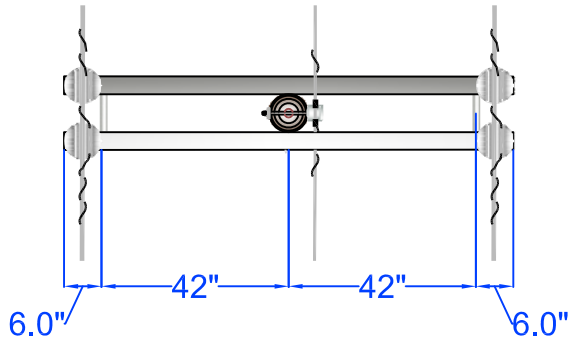
drawn: REB	approved MJB	date: October 23, 2015
----------------------	------------------------	---------------------------

B1/B1N

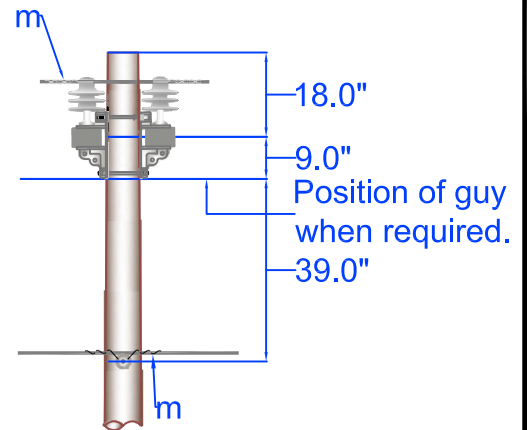
Possible varieties
of Primary Insulators
(Stock #2000541)



TOP VIEW



FRONT OR REAR VIEW



SIDE VIEW

Note:

This unit is to be used for conversion of 1Ø to 3Ø or line maintenance only. No new 2Ø should be constructed.

Note: See design guidelines for additional information

Item	Material Number	Item Quantity	Item Description	Item	Material Number	Item Quantity	Item Description
a	2001328	2	Xarm Fbgls 8'	g	*	1 (0)	Bolt Upset Sgl 5/8"
b	2000541	4	Insulator Pin Type CI 55-7	h	* 3000153	9 (8)	Locknut 5/8" M F
c	2000544	1 (0)	Insulator Spool CI 53-2	j	* 3000240	9 (8)	Washer Sq F 2 1/4
d	2000626	4	Pin Xarm 1 3/8" Thd Reg	k	*3000151	4	Locknut 3/4" M F
e	*	2	Bolt Dbl Arming 5/8"	l	*3000230	4	Washer SQ F 21/2x21/2 13/16H
f	*	2	Bolt Dbl Arming 3/4"	m	*	As Req'd.	Primary and Neutral ties

Specify Assembly Unit B1-1N for Assembly Unit B1-1 less the neutral material. Quantities in parenthesis are for Assembly Unit B1-1N.

* Denotes "Grab Bag" item. All bolt lengths are dependent on pole class.



PEDERNALES ELECTRIC
COOPERATIVE, INC.
CONSTRUCTION ASSEMBLY UNIT

1Ø to 3Ø Conversion & Maintenance Crossarm
Construction Tangent Double Primary Support,
NESC Grade B Construction

drawn:	approved	date:
REB	MJB	October 23, 2015

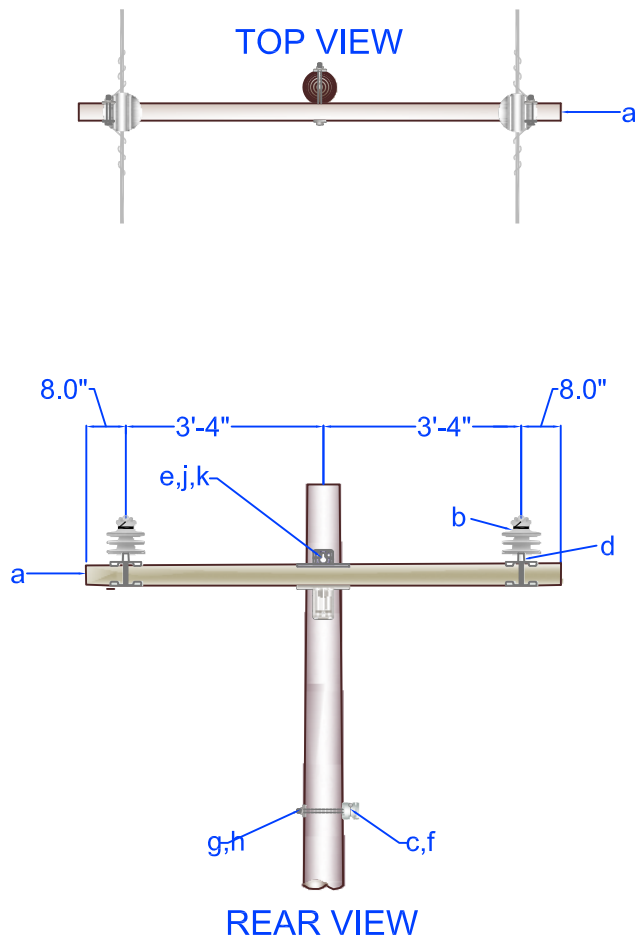
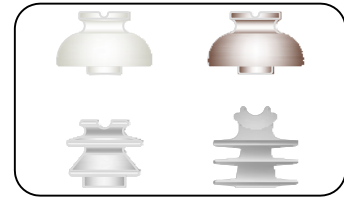
B1-1/B1-1N

Note:

(1) This construction required for all conductors having a breaking strength of more than 4,500 pounds.

(2) This unit is to be used for conversion of 1Ø to 3Ø or line maintenance only. No new 2Ø should be constructed.

Possible varieties of Primary Insulators (Stock #200541)



Note: See design guidelines for additional information.

Item	Material Number	Item Quantity	Item Description	Item	Material Number	Item Quantity	Item Description
a	2001328	1	Xarm Fbgls 8'	g	* 3000153	1 (0)	Locknut 5/8" M F
b	2000541	2	Insulator Pin Type CI 55-7	h	* 3000240	1 (0)	Washer Sq F 2 1/4
c	2000544	1 (0)	Insulator Spool CI 53-2	j	*3000151	2	Locknut 3/4" M F
d	2000625	2	Pin Xarm 1 3/8" Thd Clamp Type	k	*3000230	2	Washer SQ F 21/2x21/2 13/16H
e	*	2	Bolt Machine 3/4"	l	*	As Req'd.	Primary and Neutral ties
f	*	1 (0)	Bolt Upset Sgl 5/8"				

Specify Assembly Unit B1-2N for Assembly Unit B1-2 less the neutral material. Quantities in parenthesis are for Assembly Unit B1-2N.

* Denotes "Grab Bag" item. All bolt lengths are dependent on pole class.



**PEDERNALES ELECTRIC
COOPERATIVE, INC.**
CONSTRUCTION ASSEMBLY UNIT

**1Ø to 3Ø Conversion Crossarm Construction with
Saddle Pins, Tangent to Small Angle Single Primary
Support, NESC Grade C Construction**

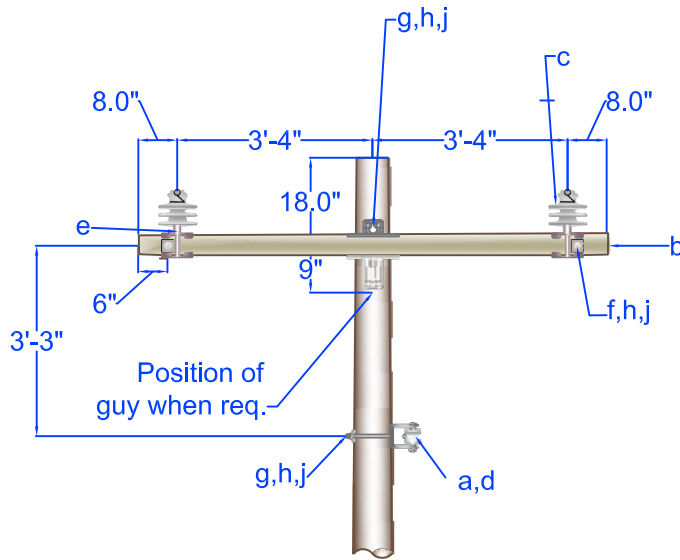
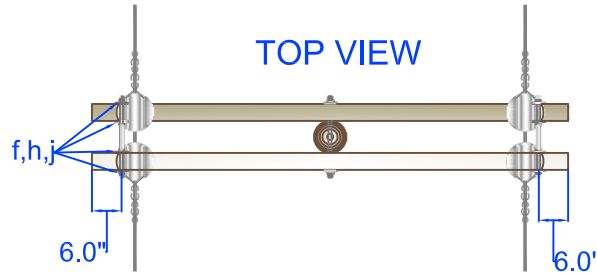
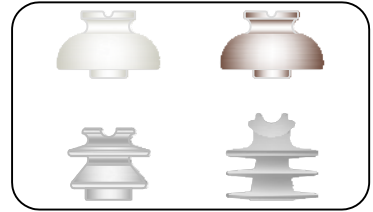
drawn:	approved	date:
REB	MJB	October 23, 2015

B1-2/B1-2N

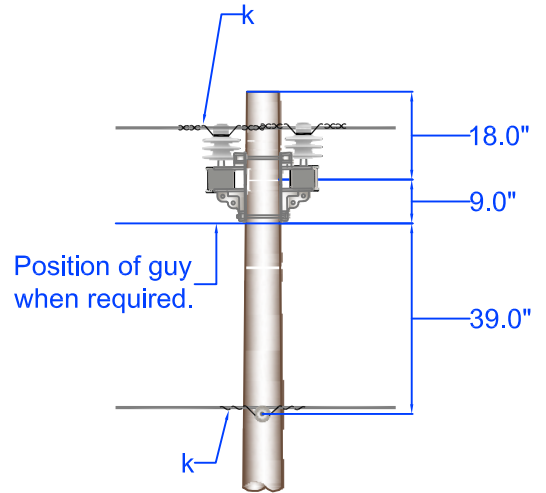
Note:

- (1) This construction required for all conductors having a breaking strength of more than 4,500 pounds.
- (2) This unit is to be used for conversion of 1Ø to 3Ø or line maintenance only. No new 2Ø should be constructed.
- (3) See design guides for additional information.

Possible varieties of Primary Insulators (Stock #200541)



FRONT OR REAR VIEW



SIDE VIEW

Item	Material Number	Item Quantity	Item Description	Item	Material Number	Item Quantity	Item Description
a	2000148	1(0)	Bracket DA Clevis	f	*	2	Bolt Dbl Arming 5/8"
b	2001328	2	Xarm Fbgl 8'	g	*	3	Bolt Machine 5/8"
c	2000541	4	Insulator Pin Type CI 55-7	h	* 3000153	11	Locknut 5/8" M F
d	2000544	1 (0)	Insulator Spool CI 53-2	j	* 3000240	9	Washer Sq F 2 1/4
e	2000625	4	Pin Xarm 1 3/8" Thd Clamp Type	k	*	As Required	Primary and Neutral ties

Specify B1-3N for B1-3 less the neutral material. Quantities in parenthesis are for B1-3N.

* Denotes "Grab Bag" item. All bolt lengths are dependent on pole class.



PEDERNALES ELECTRIC
COOPERATIVE, INC.
CONSTRUCTION ASSEMBLY UNIT

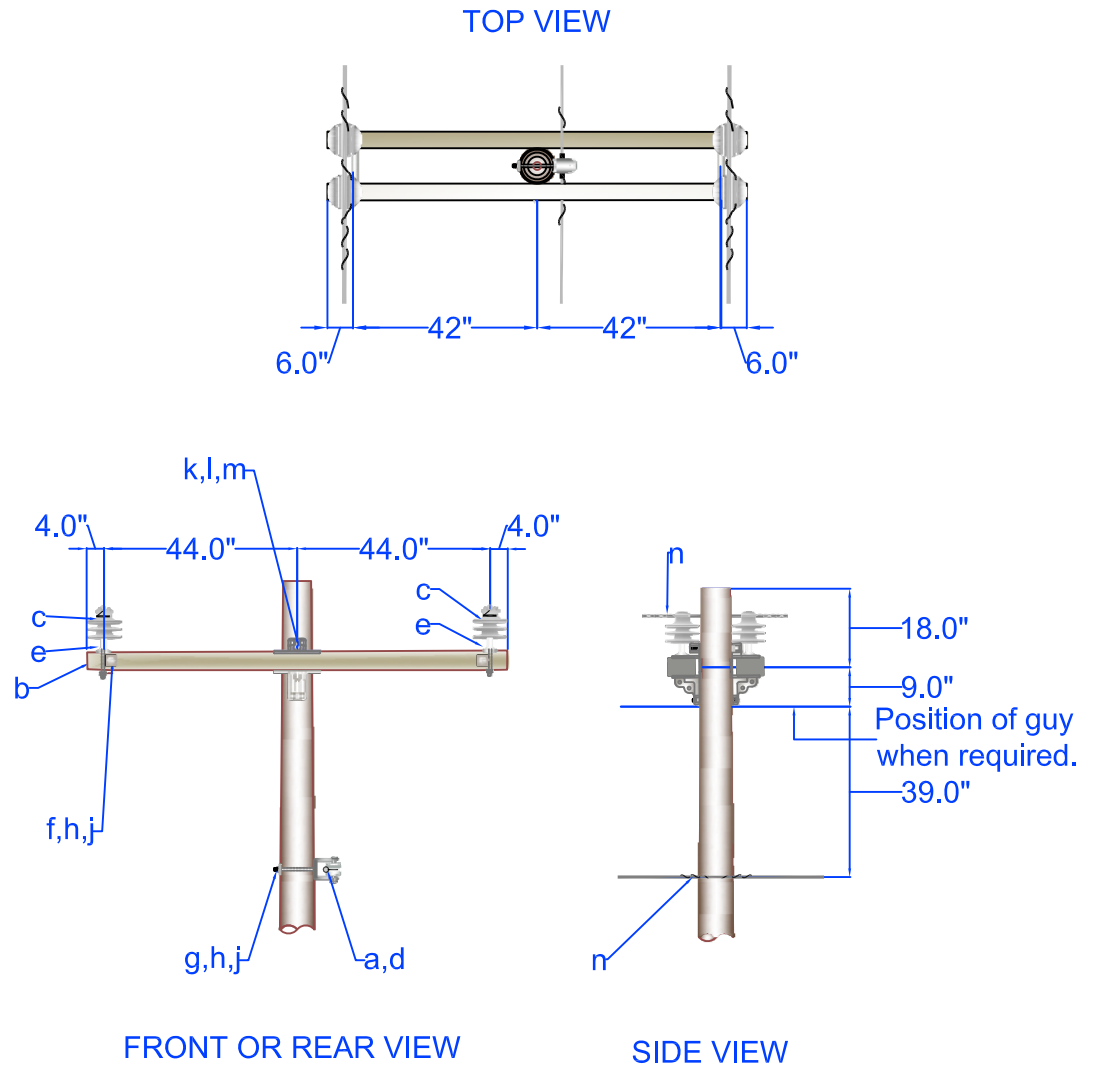
1Ø to 3Ø Conversion Crossarm Construction with
Saddle Pins, Small Angle Single Primary Support, NES C
Support, NES C Grade B Construction

drawn:	approved	date:
REB	MJB	July 25, 2014

B1-3/B1-3N

Note:

This unit is to be used for conversion of 1Ø to 3Ø or line maintenance only. No new 2Ø should be constructed.



Note: See design guidelines for additional information

Item	Material Number	Item Quantity	Item Description	Item	Material Number	Item Quantity	Item Description
a	2000148	1 (0)	Bracket DA Clevis	h	* 3000153	9(8)	Locknut 5/8" M F
b	2001328	2	Xarm Fbgls 8'	j	* 3000240	9(8)	Washer square 2 1/4"
c	2000541	4	Insulator Pin Type CI 55-7	k	*	2	Bolt Dbl Arming 3/4"
d	2000544	1 (0)	Insulator Spool CI 53-2	l	*3000151	4	Locknut 3/4" M F
e	2000626	4	Pin Xarm 1 3/8" Thd Reg	m	*3000230	4	Washer SQ F 21/2x21/2 13/16H
f	*	2	Bolt Dbl Arming 5/8"	n	*	As Req'd.	Primary and Neutral ties
g	*	1(0)	Bolt Machine 5/8"				



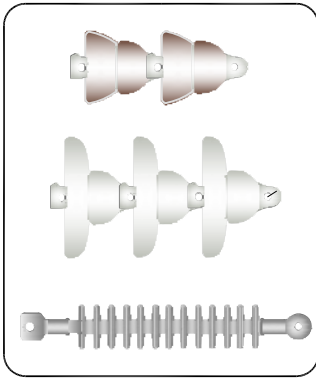
PEDERNALES ELECTRIC
COOPERATIVE, INC.
CONSTRUCTION ASSEMBLY UNIT

1Ø to 3Ø Conversion Crossarm Construction
Small Angle, any NESC Grade of Construction

drawn:	approved	date:
REB	MJB	October 23, 2015

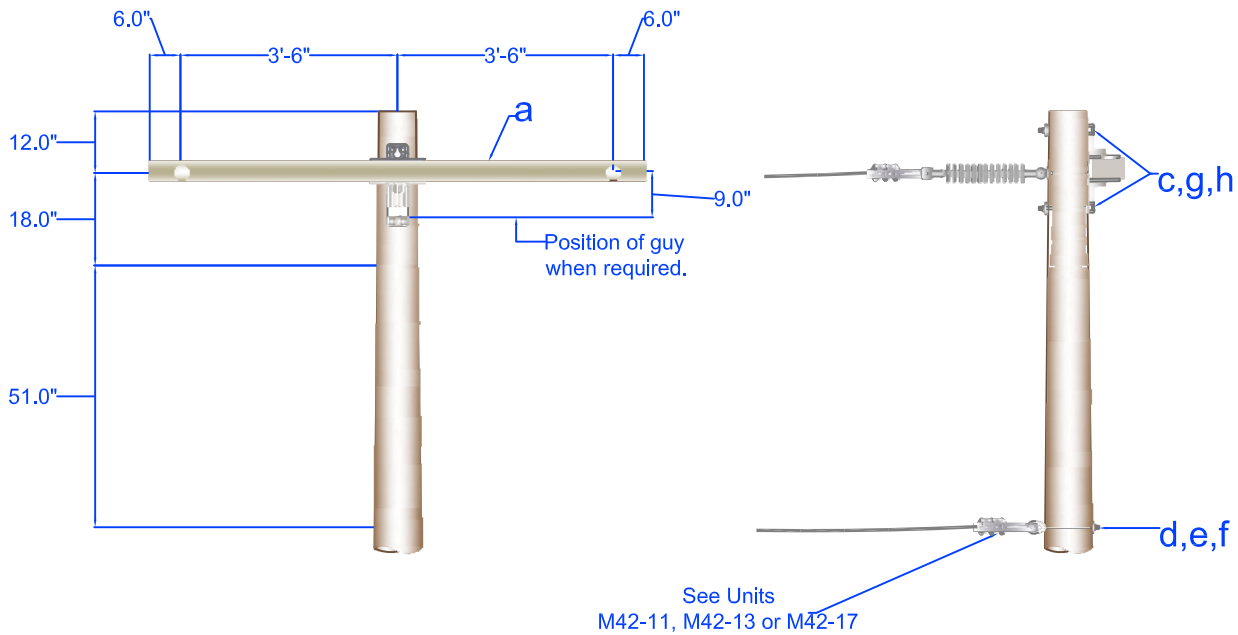
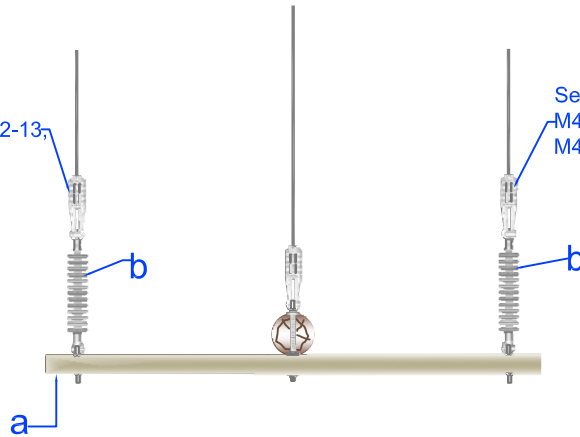
B2/B2N

Possible varieties of Suspension Insulators



See Units
M42-11, M42-11.1, M42-13,
M42-13.1 or M42-17

See Units
M42-11, M42-11.1, M42-13,
M42-13.1, or M42-17



See Units
M42-11, M42-13 or M42-17

Item	Material Number	Item Quantity	Item Description	Item	Material Number	Item Quantity	Item Description
a	2001317	1	Xarm DE Fiberglass 8' 3 Wire	e	* 3000153	1(0)	Locknut 5/8" M F
b	2000551	2	Insulator Susp Poly 35KV CI	f	* 3000240	1(0)	Washer square 2 1/4"
c	*	2	Bolt Machine 3/4"	g	*3000151	2	Locknut 3/4" M F
d	*	1(0)	Bolt Eye 5/8"	h	*3000230	2	Washer SQ F 21/2x21/2 13/16H

Specify B7N for B7 less the neutral material. Quantities in parenthesis are for B7N.

* Denotes "Grab Bag" item. All bolt lengths are dependent on pole class.

Install (3) M42-11 for #4 or #1/0 ACSR, (3) M42-13 for #336 AAC or (3) M42-17 for #795 AAC.

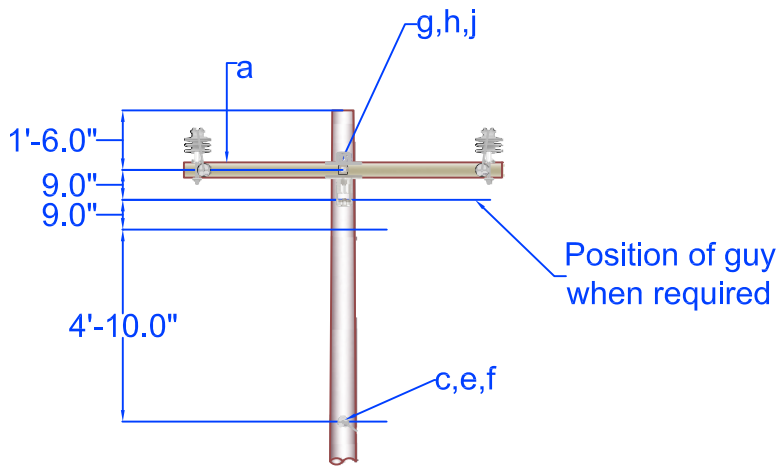
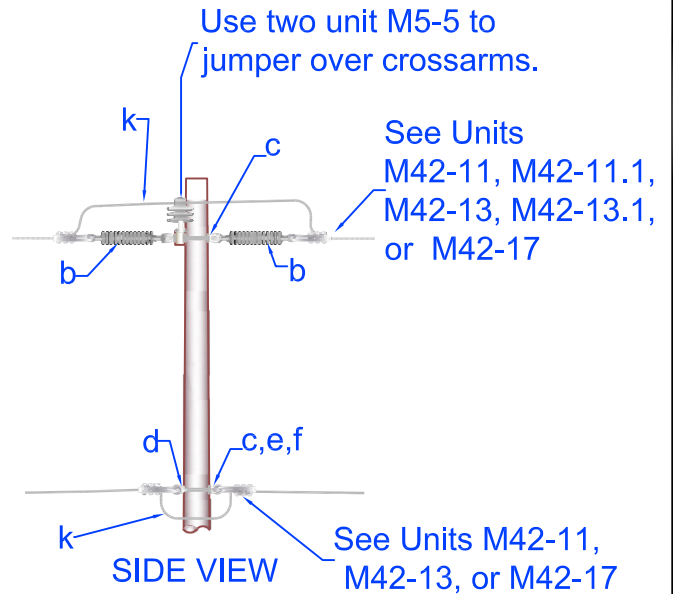
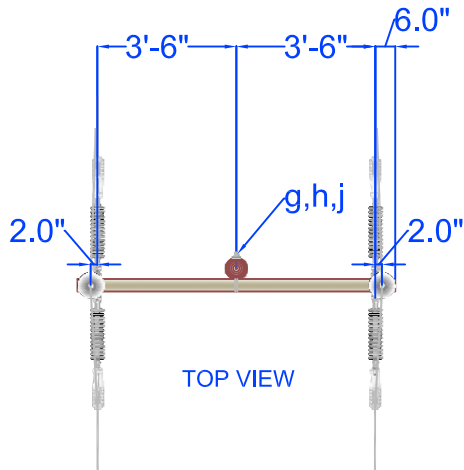


PEDERNALES ELECTRIC
COOPERATIVE, INC.
CONSTRUCTION ASSEMBLY UNIT

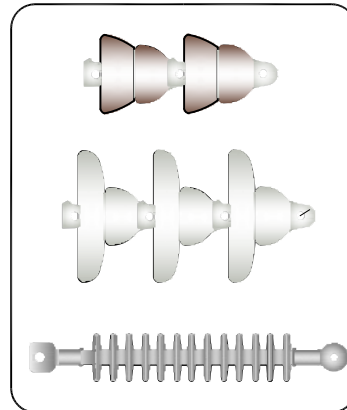
**1Φ to 3Φ Conversion Crossarm
Construction Deadend**

drawn:	approved	date:
REB	MJB	October 23, 2015

B7/B7N



Possible varieties of Suspension Insulators



Notes:

- 1) This unit is to be used for conversion of 1Ø to 3Ø or line maintenance only. No new 2Ø should be constructed.
- 2) If a B8 is installed as an angle structure a split bolt (unit M5-18) should be installed in the hole 4" from the pole top.
- 3) Do not use this construction on anything other than #4 ACSR in a slack-span and full tension condition. Tension should be equal on both sides of the crossarm.
- 4) See design guidelines for additional information.

Item	Material Number	Item Quantity	Item Description	Item	Material Number	Item Quantity	Item Description
a	2001317	1	Xarm DE Fiberglass 8' 3 Wire	f	*3000240	1(0)	Washer Sq F 21/4"
b	2000551	4	Insulator Susp Poly 35KV Cl	g	*	2	Bolt Machine 3/4"
c	*2000610	3(2)	Nut Eye 5/8"	h	* 3000151	2	Locknut 3/4" MF
d	*	1 (0)	Bolt Eye 5/8"	j	* 3000230	2	Washer SQ F 21/2x21/2 13/16H
e	*3000153	1(0)	Locknut 5/8" MF	k	*	As Req'd.	Jumpers

Specify B8N for B8 less the neutral material. Quantities in parenthesis are for B8N.

*Denotes "Grab Bag" item. All bolt lengths are dependent on pole class.

Install M42-11, M42-11.1, M42-13, M42-13.1, or M42-17 as needed.



PEDERNALES ELECTRIC
COOPERATIVE, INC.
CONSTRUCTION ASSEMBLY UNIT

1Ø to 3Ø Conversion Crossarm Construction Double
Deadend, any NESC Grade of Construction
for #4 ACSR, #1/0 ACSR, #336 AAC, or #795 AAC

drawn:	approved	date:
REB	MJB	October 27, 2015

B8/B8N