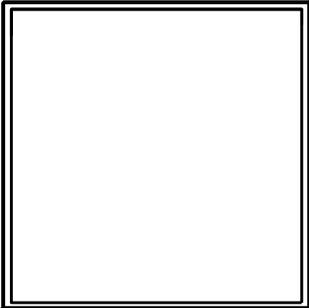
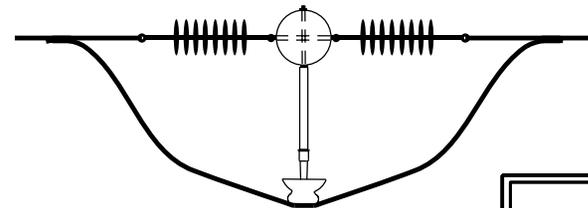


ITEM	QNTY.	DESCRIPTION
2	1	INSULATOR, PIN TYPE, 15 kV
5	2	BOLT MACHINE 5/8" X REQ'D LENGTH
7	7	LOCKNUT, 5/8"
8	2	WASHER SQUARE, 2 1/4"
13	3	INSULATOR, POLYMER, 15 kV
15	3	EYE BOLT 5/8"
16	5	WASHER SQUARE, 3" CURVED
40	2	D.E. CLAMP, #4 ACSR
42	3	D.E. CLAMP, 1/0 ACSR
53	1	BRACKET, JUMPER SUPPORT FIBERGLASS 18" X 1 1/2" ROD
64	2	NUT EYE, 5/8"
		* ALUMINUM TIE WIRE FOR JUMPER SUPPORT
		* JUMPERS
		* CONNECTORS

• AS REQUIRED

TOP VIEW



Lockhart Pole Specifications
(Highway 183 Project)

12.5/7.2 kV 2-PHASE
VERTICAL D. E.
TRANSITION TO
SINGLE PHASE

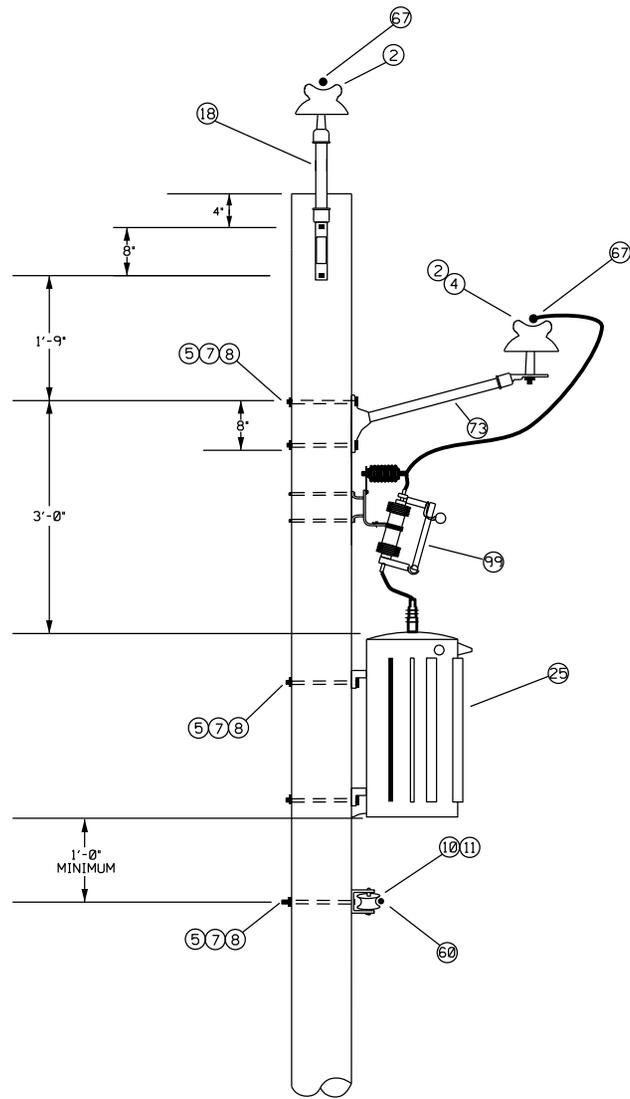
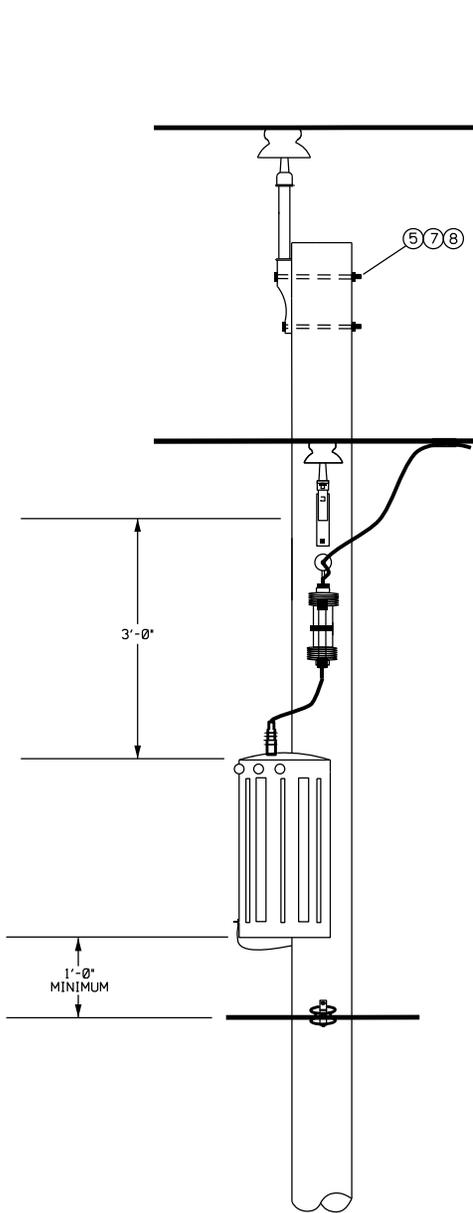
REVISION	DATE	DESCRIPTION	DRAWN	APPROVED

PREPARED BY



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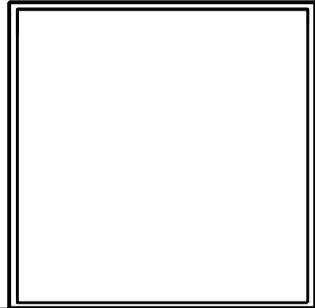
DESIGNED	CHECKED	SCALE	STANDARD
AT	LH	N.T.S.	B5-A5V
DATE	W.O. NUMBER		
2/6/14	203387		



ITEM	QNTY.	DESCRIPTION
2	2	INSULATOR, PIN TYPE, 15 kV
4	1	PIN, CROSSARM, SHORT SHANK
5	7	BOLT MACHINE 5/8" X REQ'D LENGTH
7	7	LOCKNUT, 5/8"
8	7	WASHER SQUARE, 2 1/4"
10	1	CLEVIS SECONDARY
11	1	INSULATOR, SPOOL, 3"
18	1	FIBERGLASS POLE TOP 13" X 1 1/2"
99	1	FUSED CUTOUT 15 kV ARRESTER 9 kV MOV COMBO
25	1	** TRANSFORMER OVERHEAD
60	1	CONDUCTOR NEUTRAL TIE, 1/0 ACSR
67	2	CONDUCTOR TOP TIE, 1/0 ACSR
73	1	BRACKET (SINGLE), FIBERGLASS 18" X 1 1/2"
		* JUMPERS
		* CONNECTORS

• AS REQUIRED

•• TRANSFORMER WILL BE CALLED FOR BY SIZE SEPARATELY ON STAKING SHEET



• SINGLE PHASE TRANSFORMER •
TO BE SET IN APPLICABLE
ROADSIDE QUADRANT

REVISION	DATE	DESCRIPTION	DRAWN	APPROVED

PREPARED BY

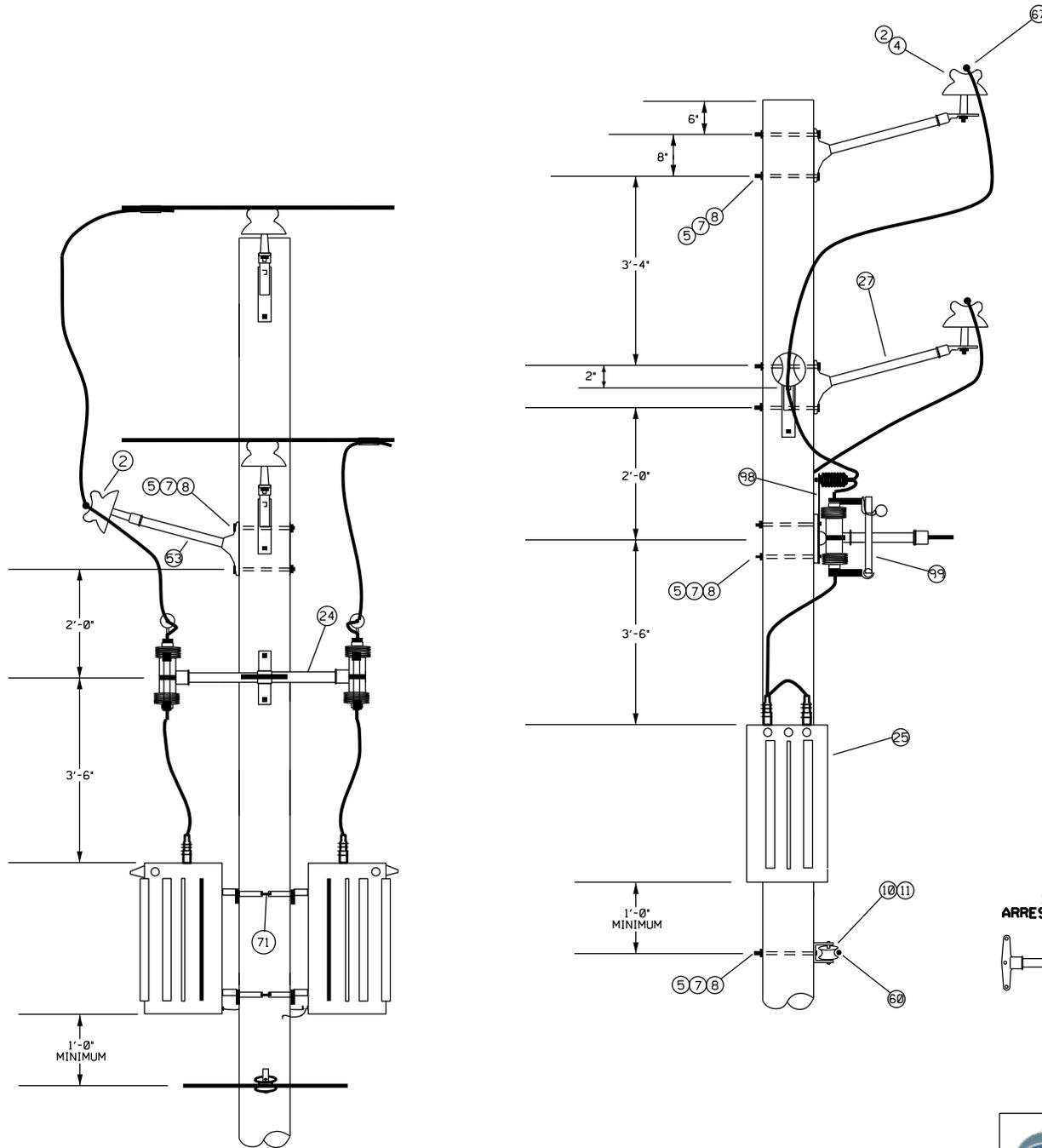


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Lockhart Pole Specifications
(Highway 183 Project)

12.5/7.2 kV
SINGLE PHASE TRANSFORMER
ON VERTICAL CONSTRUCTION
2-PHASE TANGENT-
NARROW PROFILE

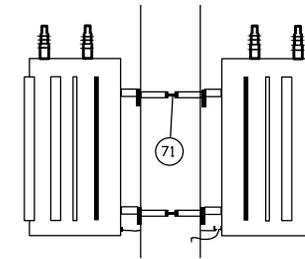
DESIGNED	AT	CHECKED	LH	SCALE	N.T.S.	STANDARD	B1VT-1
DRAWN	TRC	DATE	2/6/14	W.D. NUMBER	203387		



ITEM	QNTY.	DESCRIPTION
2	3	INSULATOR, PIN TYPE, 15 kV
4	2	PIN, CROSSARM, SHORT SHANK
5	9	BOLT MACHINE $\frac{5}{8}$ " X REQ'D LENGTH
7	9	LOCKNUT, $\frac{5}{8}$ "
8	9	WASHER SQUARE, $2\frac{1}{4}$ "
10	1	CLEVIS SECONDARY
11	1	INSULATOR, SPOOL, 3"
98	2	ADDITIONAL MOUNTING STRAP BRACKET COMBO
99	2	FUSED CUTOUT 15 kV ARRESTER 9 kV MOV COMBO
24	1	3 PHASE CUTOUT ARRESTER BRACKET 3' X 2"
25	2	** TRANSFORMER OVERHEAD
27	2	BRACKET FIBER GLASS 18" X 1 $\frac{1}{2}$ " ROD (SINGLE)
53	1	BRACKET JUMPER SUPPORT FIBERGLASS 18" X 1 $\frac{1}{2}$ " ROD
60	1	CONDUCTOR NEUTRAL TIE, 1/0 ACSR
67	2	CONDUCTOR TOP TIE, 1/0 ACSR
71	1	HANGER 2 POSITION CLUSTER
*		ALUMINUM TIE WIRE FOR JUMPER SUPPORT
*		JUMPERS
*		CONNECTORS

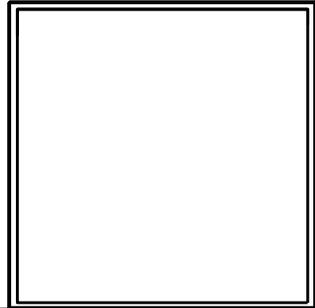
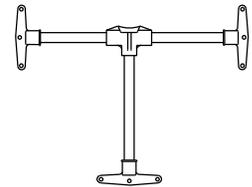
• AS REQUIRED

•• TRANSFORMERS WILL BE CALLED FOR BY SIZE SEPARATELY ON STAKING SHEET



GROUND TRANSFORMER TANK TO POLE

3-PHASE CUTOUT ARRESTER BRACKET 3' X 2"



Lockhart Pole Specifications
(Highway 183 Project)

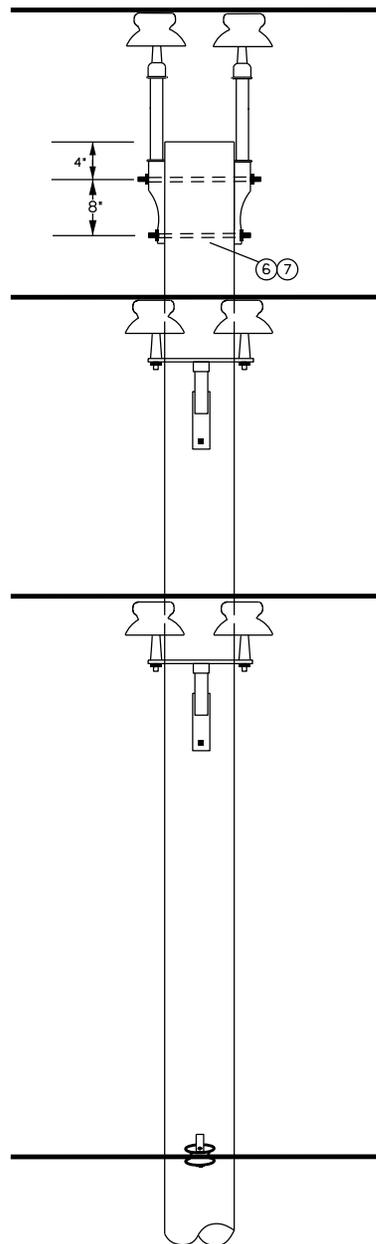
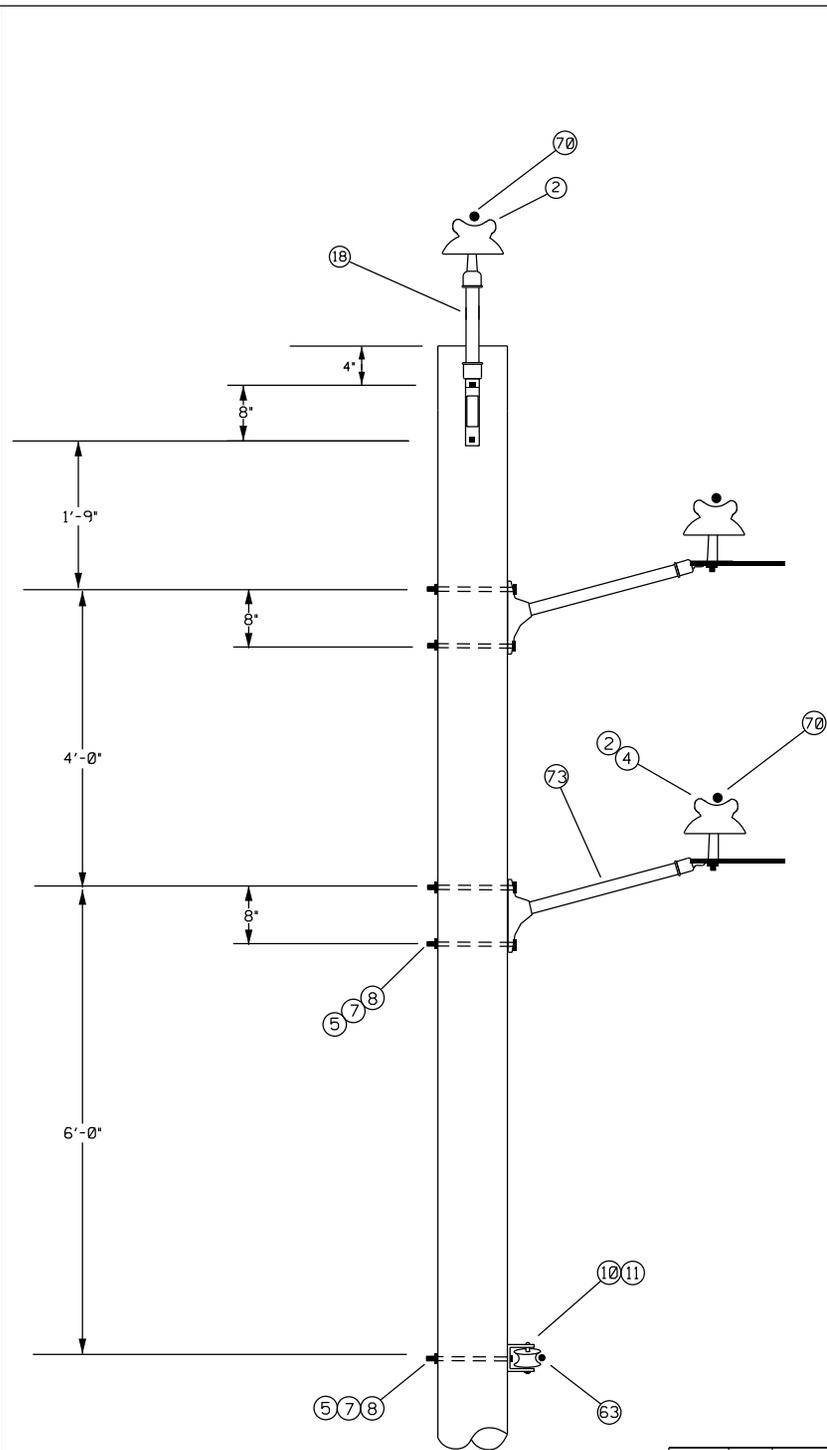
12.5/7.2 kV
2-PHASE TRANSFORMER
CLUSTER MOUNT ON
2-PHASE
VERTICAL CONSTRUCTION

PREPARED BY

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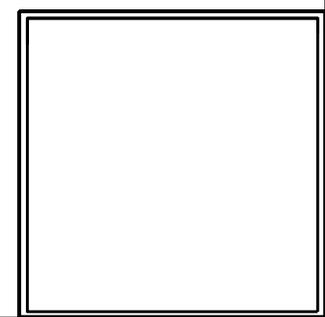
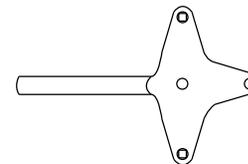
REVISION	DATE	DESCRIPTION	DRAWN	APPROVED

DESIGNED	CHECKED	SCALE	N.T.S.	STANDARD
AT	LH			
DRAWN	DATE	W.D. NUMBER	203387	B1VT-2
TRC	2/6/14			



ITEM	QNTY.	DESCRIPTION
2	6	INSULATOR, PIN TYPE, 15kV
4	4	PIN, CROSSARM, SHORT SHANK
5	5	MACHINE BOLT GALV 5/8" X REQ'D LENGTH
6	2	BOLT, DOUBLE ARMING, 5/8" X REQ'D LENGTH
7	9	LOCKNUT 5/8" GALV.
8	5	WASHER SQUARE 2 1/4"
10	1	SECONDARY CLEVIS
11	1	INSULATOR SPOOL 3"
18	2	FIBERGLASS POLE TOP 13" X 1 1/2"
63	1	CONDUCTOR NEUTRAL TIE, 336 ACSR
62	3	CONDUCTOR DOUBLE TOP TIE, 336 ACSR
73	2	BRACKET (CLOVERLEAF), FIBERGLASS 18" X 1 1/2"

TOP VIEW
CLOVERLEAF BRACKET



Lockhart Pole Specifications
(Highway 183 Project)

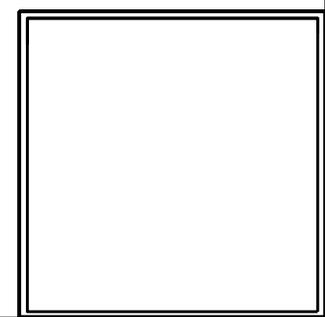
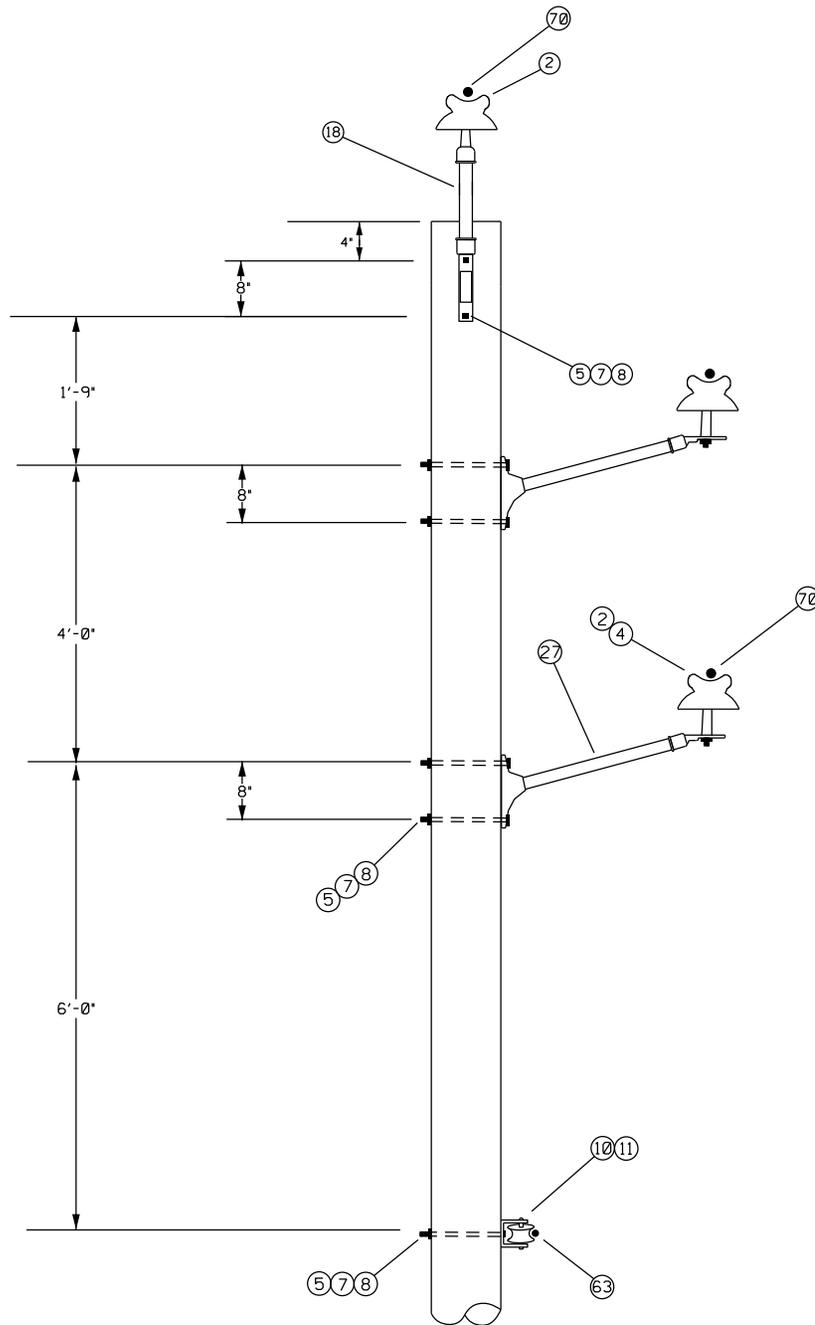
12.5/7.2 kV
VERTICAL CONSTRUCTION
3-PHASE TANGENT-
NARROW PROFILE-
DOUBLE SUPPORT

PREPARED BY
TRC
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DESIGNED	AT	CHECKED	LH	SCALE	N.T.S.	STANDARD	C1-1PTV
DATE	TRC	DATE	2/6/14	W.D. NUMBER	203387		

REVISION	DATE	DESCRIPTION	DRAWN	APPROVED

ITEM	QNTY.	DESCRIPTION
2	3	INSULATOR, PIN TYPE, 15kV
4	2	PIN, CROSSARM, SHORT SHANK
5	7	MACHINE BOLT GALV 5/8" X REQ'D LENGTH
7	7	LOCKNUT 5/8" GALV.
8	7	WASHER SQUARE 2 1/4"
10	1	SECONDARY CLEVIS
11	1	INSULATOR SPOOL 3"
18	1	FIBERGLASS POLE TOP 13" X 1 1/2"
27	2	BRACKET FIBERGLASS 18" X 1 1/2" (SINGLE)
63	1	CONDUCTOR NEUTRAL TIE, 336 ACSR
70	3	CONDUCTOR TOP TIE, 336 ACSR



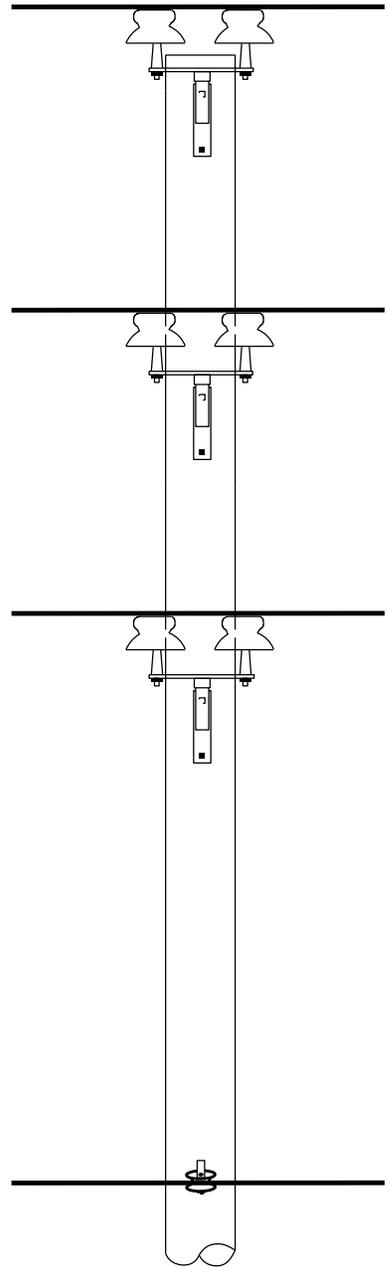
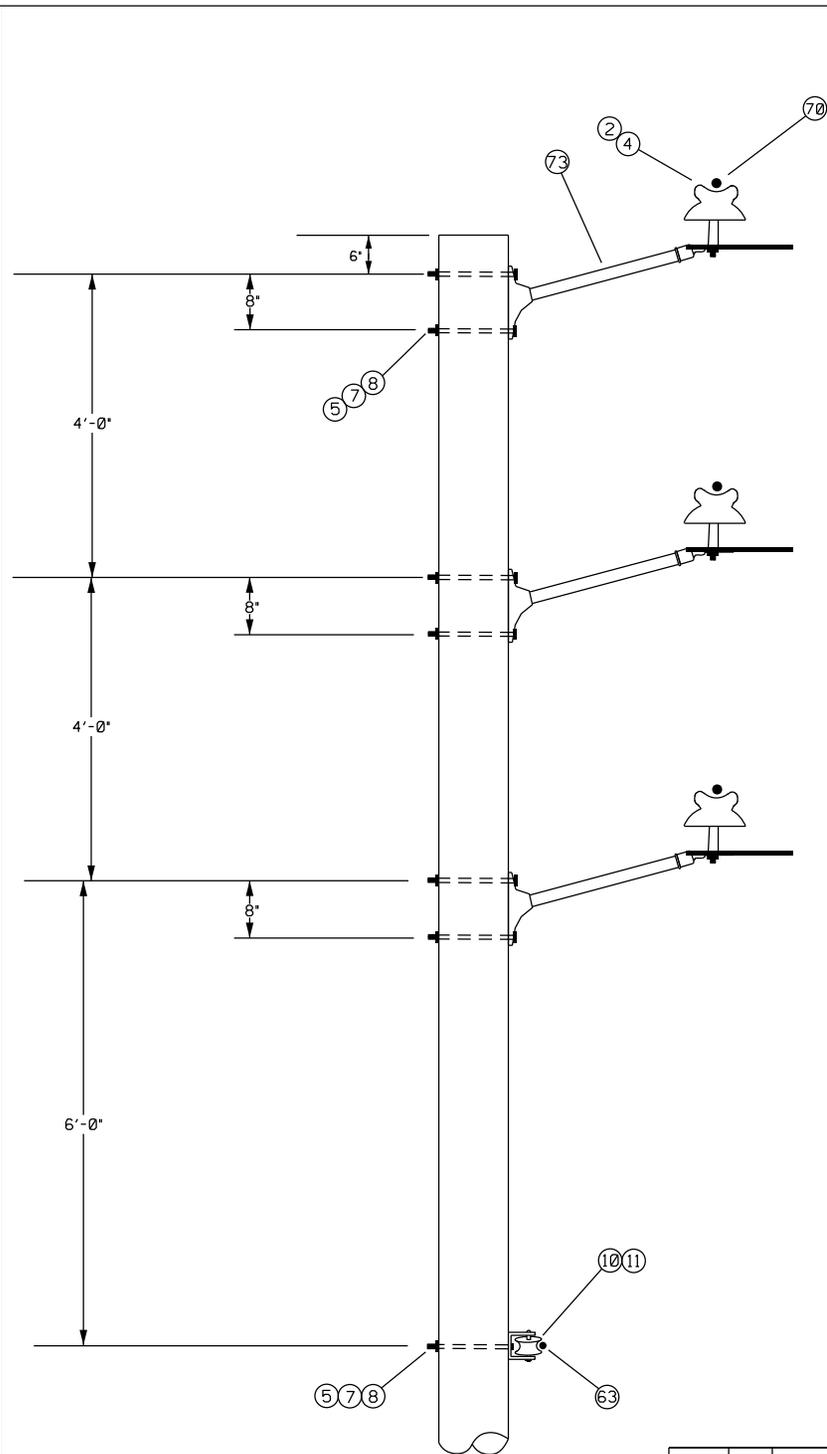
Lockhart Pole Specifications
(Highway 183 Project)

12.5/7.2 kV
VERTICAL CONSTRUCTION
3-PHASE TANGENT-
NARROW PROFILE

PREPARED BY
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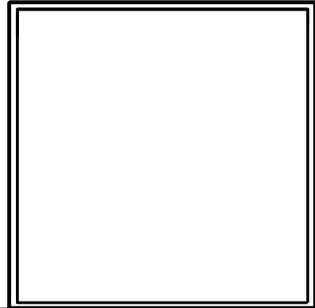
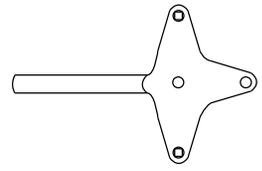
DESIGNED	CHECKED	SCALE	N.T.S.	STANDARD
AT	LH			
TRC	2/6/14		203387	C1PTV

REVISION	DATE	DESCRIPTION	DRAWN	APPROVED



ITEM	QNTY.	DESCRIPTION
2	6	INSULATOR, PIN TYPE, 15kV
4	6	PIN, CROSSARM, SHORT SHANK
5	7	MACHINE BOLT GALV 5/8" X REQ'D LENGTH
7	7	LOCKNUT 5/8" GALV.
8	7	WASHER SQUARE 2 1/4"
10	1	SECONDARY CLEVIS
11	1	INSULATOR SPOOL 3"
63	1	CONDUCTOR NEUTRAL TIE, 336 ACSR
62	3	CONDUCTOR DOUBLE TOP TIE, 336 ACSR
73	3	BRACKET (CLOVERLEAF), FIBERGLASS 18" X 1 1/2"

TOP VIEW
CLOVERLEAF BRACKET



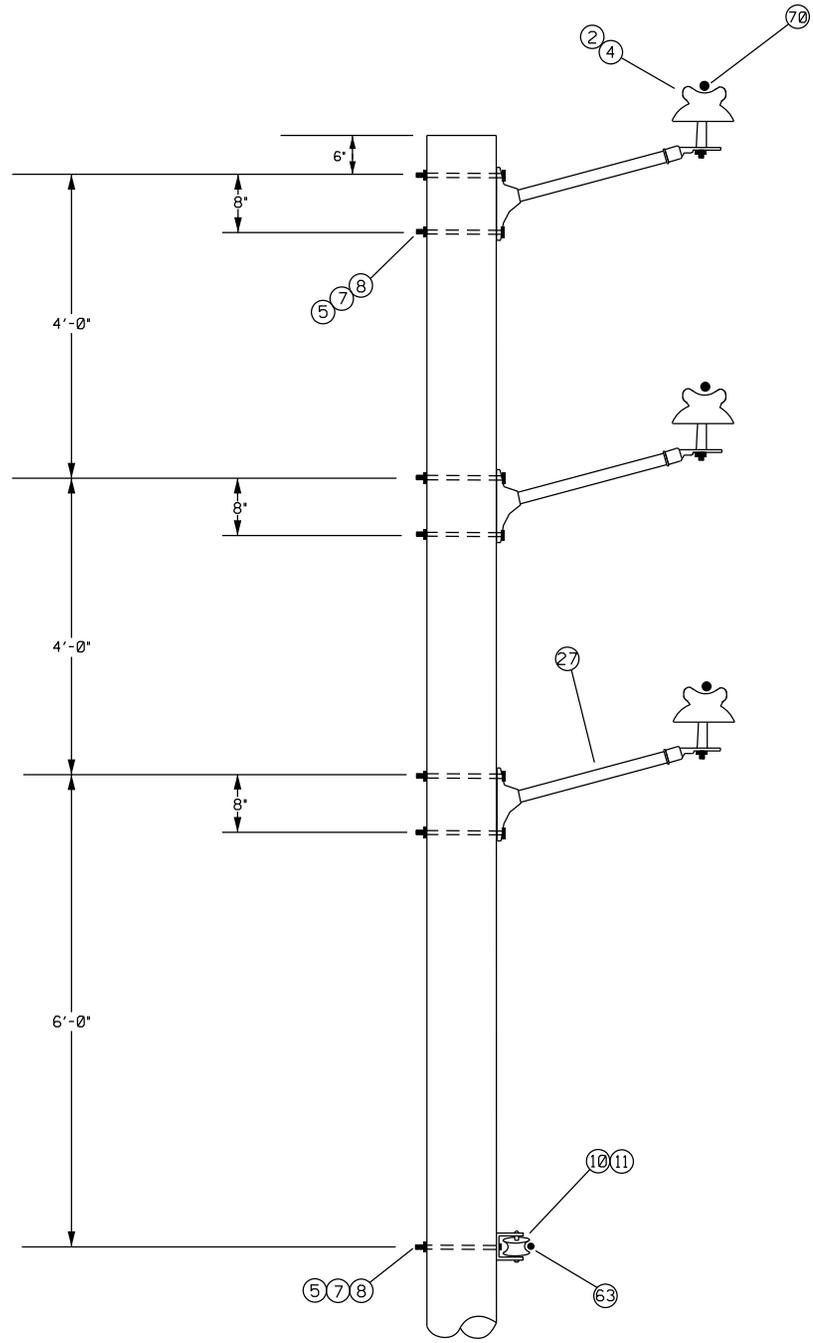
Lockhart Pole Specifications
(Highway 183 Project)

12.5/7.2 kV
VERTICAL CONSTRUCTION
3-PHASE TANGENT-
DOUBLE SUPPORT

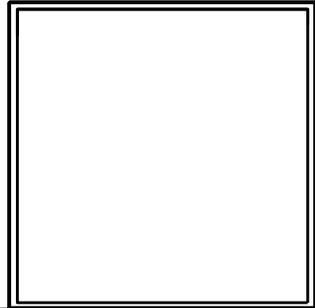
PREPARED BY
TRC
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DESIGNED AT	CHECKED LH	SCALE N.T.S.	STANDARD C2V
DATE TRC	DATE 2/6/14	W.D. NUMBER 203387	

REVISION	DATE	DESCRIPTION	DRAWN	APPROVED



ITEM	QNTY.	DESCRIPTION
2	3	INSULATOR, PIN TYPE, 15kV
4	3	PIN, CROSSARM, SHORT SHANK
5	7	MACHINE BOLT GALV 5/8" X REQ'D LENGTH
7	7	LOCKNUT 5/8" GALV.
8	7	WASHER SQUARE 2 1/4"
10	1	SECONDARY CLEVIS
11	1	INSULATOR SPOOL 3"
27	3	BRACKET FIBERGLASS 18" X 1 1/2" (SINGLE)
63	1	CONDUCTOR NEUTRAL TIE, 336 ACSR
70	3	CONDUCTOR TOP TIE, 336 ACSR



Lockhart Pole Specifications
(Highway 183 Project)

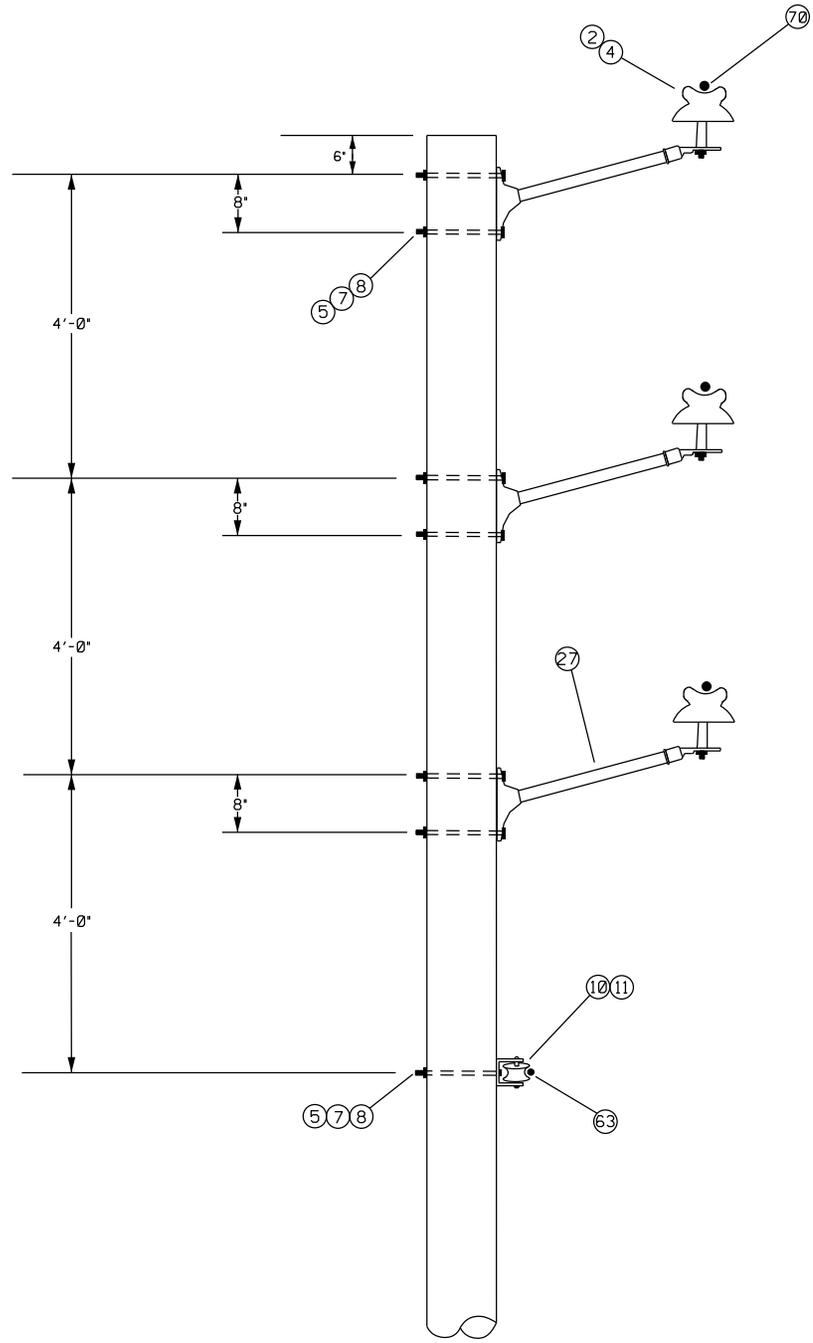
12.5/7.2 kV
VERTICAL CONSTRUCTION
3-PHASE TANGENT

PREPARED BY

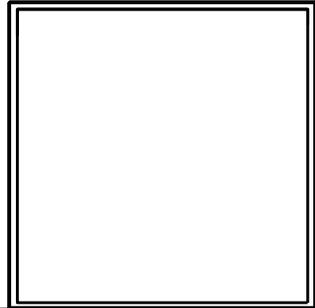
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DESIGNED AT TRC	CHECKED LH DATE 2/6/14	SCALE N.T.S. W.D. NUMBER 203387	STANDARD C1V
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REVISION	DATE	DESCRIPTION	DRAWN	APPROVED



ITEM	QNTY.	DESCRIPTION
2	3	INSULATOR, PIN TYPE, 15kV
4	3	PIN, CROSSARM, SHORT SHANK
5	7	MACHINE BOLT GALV 5/8" X REQ'D LENGTH
7	7	LOCKNUT 5/8" GALV.
8	7	WASHER SQUARE 2 1/4"
10	1	SECONDARY CLEVIS
11	1	INSULATOR SPOOL 3"
27	3	BRACKET FIBERGLASS 18" X 1 1/2" (SINGLE)
63	1	CONDUCTOR NEUTRAL TIE, 336 ACSR
70	3	CONDUCTOR TOP TIE, 336 ACSR



Lockhart Pole Specifications
(Highway 183 Project)

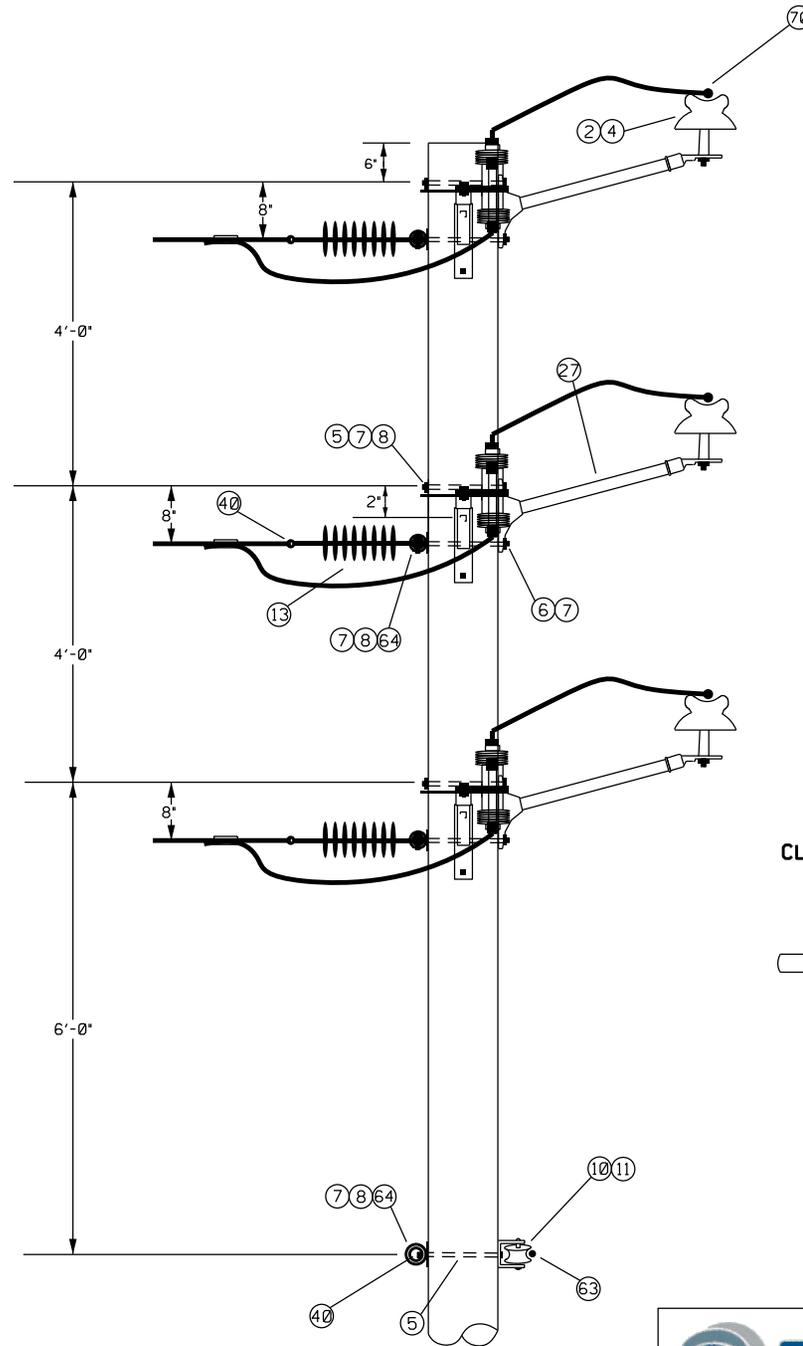
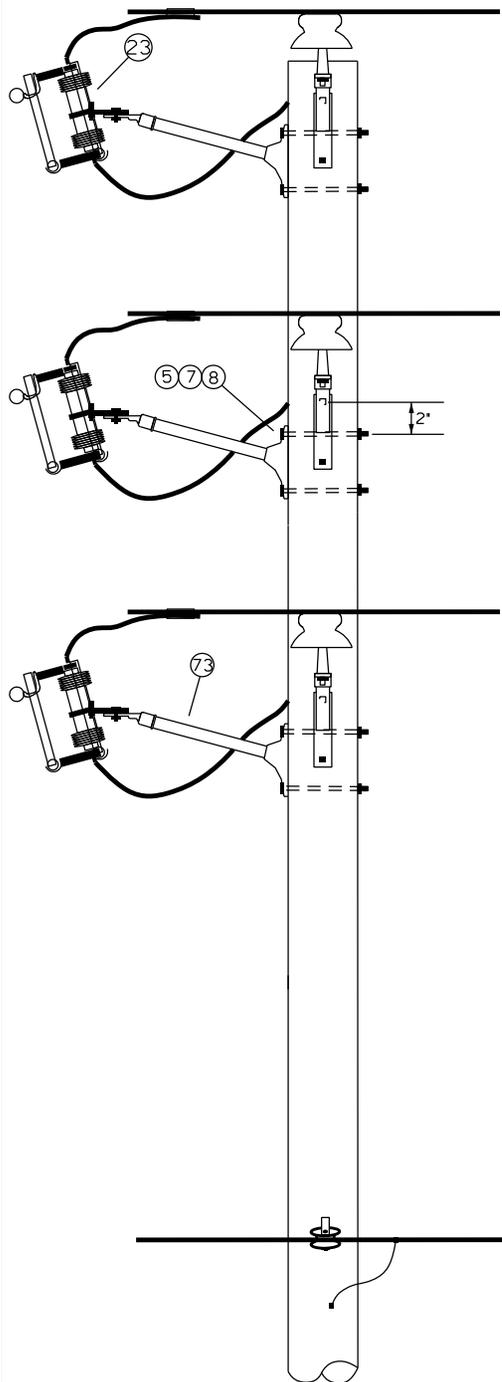
12.5/7.2 kV
VERTICAL CONSTRUCTION
3-PHASE TANGENT
(4' CLEARANCE TO NEUTRAL)

PREPARED BY

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DESIGNED AT	CHECKED LH	SCALE N.T.S.	STANDARD C1VX
DATE TRC	DATE 2/6/14	W.O. NUMBER 203387	

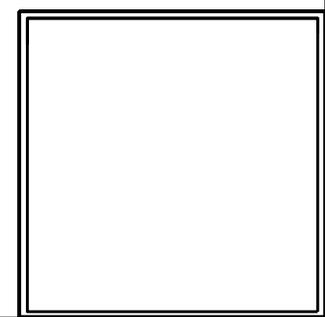
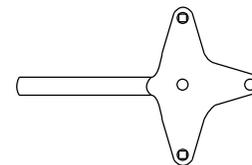
REVISION	DATE	DESCRIPTION	DRAWN	APPROVED



ITEM	QNTY.	DESCRIPTION
2	3	INSULATOR, PIN TYPE, 15 kV
4	3	PIN, CROSSARM, SHORT SHANK
5	10	BOLT MACHINE 5/8" X REQ'D LENGTH
6	3	BOLT, DOUBLE ARMING, 5/8" X REQ'D LENGTH
7	17	LOCKNUT, 5/8"
8	13	WASHER SQUARE, 2 1/4"
10	1	CLEVIS SECONDARY
11	1	INSULATOR, SPOOL, 3"
13	3	INSULATOR, POLYMER, 15 kV
23	3	FUSED CUTOUT 15 kV
27	3	BRACKET FIBER GLASS 18" X 1 1/2" ROD (SINGLE)
40	4	D.E. CLAMP, #4 ACSR
63	1	CONDUCTOR NEUTRAL TIE, 336 ACSR
64	4	NUT EYE, 5/8"
70	3	CONDUCTOR TOP TIE, 336 ACSR
73	3	BRACKET (CLOVERLEAF), FIBERGLASS 18" X 1 1/2" ROD
		* ALUMINUM TIE WIRE FOR JUMPER SUPPORT
		* JUMPERS
		* CONNECTORS

• AS REQUIRED

TOP VIEW
CLOVERLEAF BRACKET



Lockhart Pole Specifications
(Highway 183 Project)

12.5/7.2 kV
3-PHASE SLACK SPAN
TAP ON 3-PHASE
VERTICAL CONSTRUCTION
W/CUTOUTS

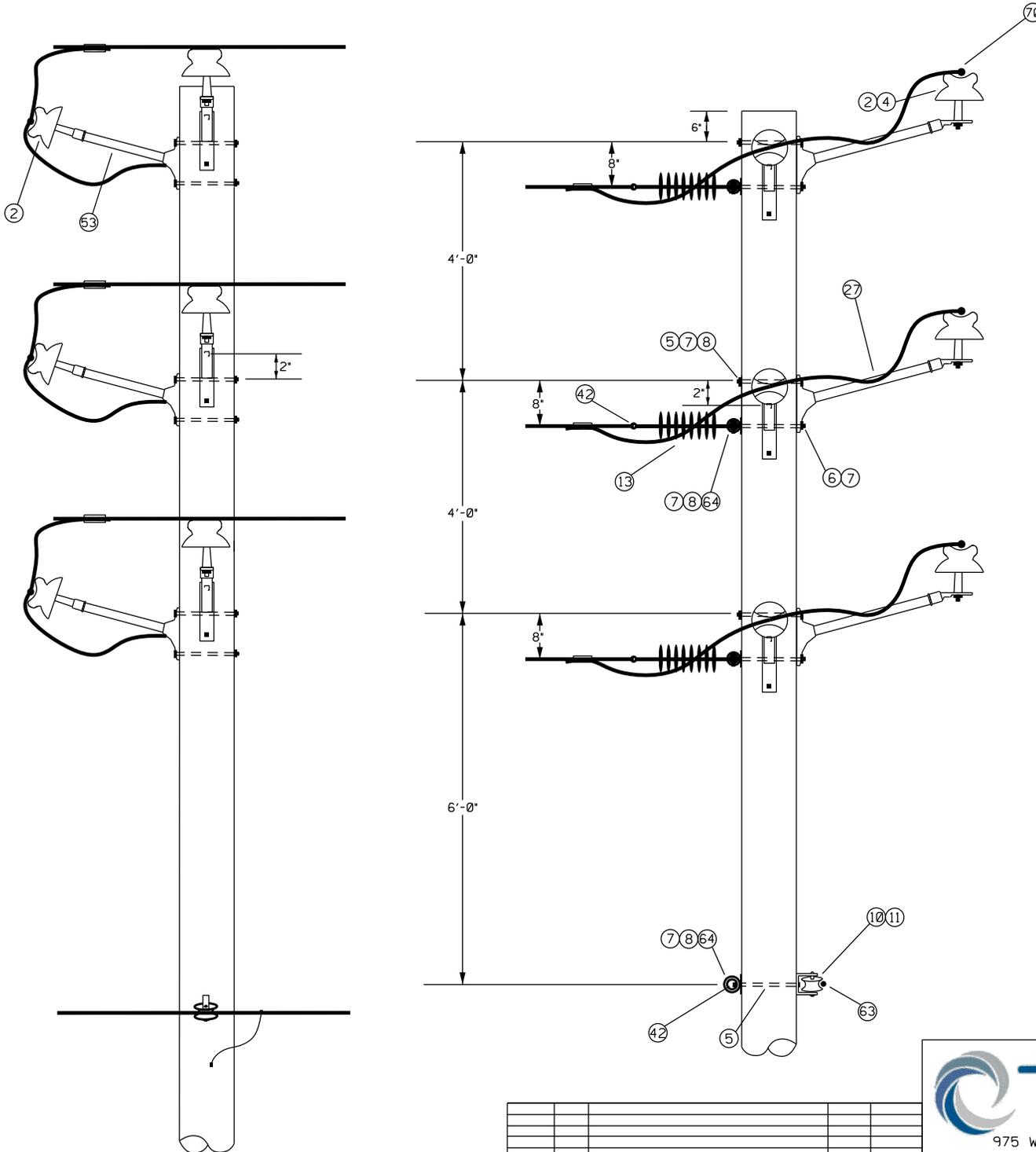


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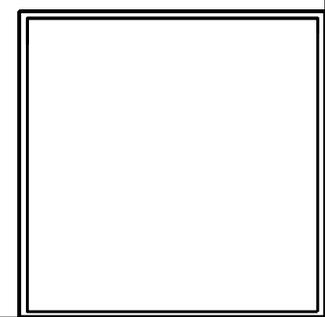
DESIGNED	CHECKED	SCALE	N.T.S.	STANDARD
AT	LH			
TRC	2/6/14		203387	C1-C7VX

REVISION	DATE	DESCRIPTION	DRAWN	APPROVED



ITEM	QNTY.	DESCRIPTION
2	6	INSULATOR, PIN TYPE, 15 kV
4	3	PIN, CROSSARM, SHORT SHANK
5	10	BOLT MACHINE 5/8" X REQ'D LENGTH
6	3	BOLT, DOUBLE ARMING, 5/8" X REQ'D LENGTH
7	16	LOCKNUT, 5/8"
8	13	WASHER SQUARE, 2 1/4"
10	1	CLEVIS SECONDARY
11	1	INSULATOR, SPOOL, 3"
13	3	INSULATOR, POLYMER, 15 kV
27	3	BRACKET FIBER GLASS 18" X 1 1/2" ROD (SINGLE)
42	4	D.E. CLAMP, 1/0 ACSR
53	3	BRACKET, JUMPER SUPPORT FIBERGLASS 18" X 1 1/2" ROD
63	1	CONDUCTOR NEUTRAL TIE, 336 ACSR
64	4	NUT EYE, 5/8"
70	3	CONDUCTOR TOP TIE, 336 ACSR
		* ALUMINUM TIE WIRE FOR JUMPER SUPPORT
		* JUMPERS
		* CONNECTORS

• AS REQUIRED



Lockhart Pole Specifications
(Highway 183 Project)

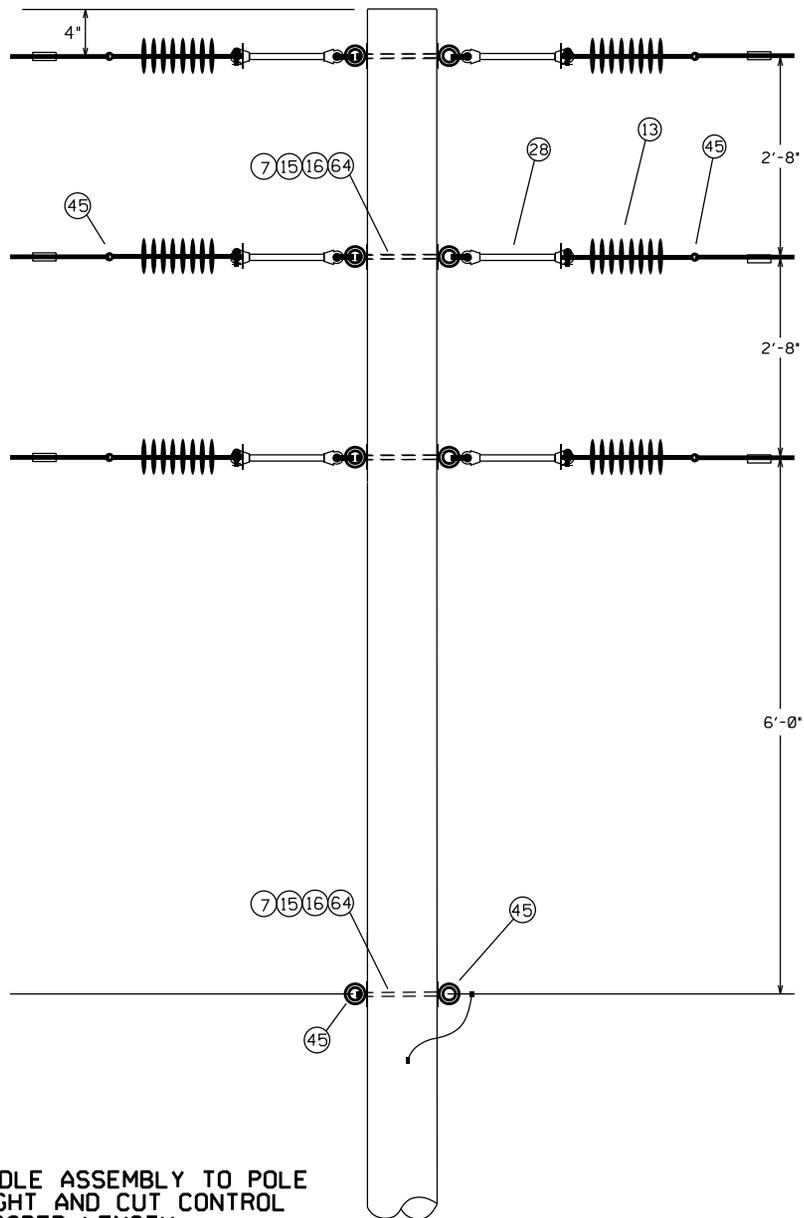
12.5/7.2 kV
3-PHASE SLACK SPAN
TAP ON 3-PHASE
VERTICAL CONSTRUCTION

PREPARED BY

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DESIGNED	CHECKED	SCALE	STANDARD
AT	LH	N.T.S.	C1-C7V
DATE	W.O. NUMBER		
2/6/14	203387		

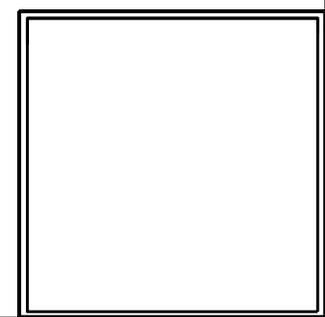
REVISION	DATE	DESCRIPTION	DRAWN	APPROVED



NOTE: MOUNT HANDLE ASSEMBLY TO POLE AT 48" HEIGHT AND CUT CONTROL PIPE TO PROPER LENGTH

ITEM	QNTY.	DESCRIPTION
7	8	LOCKNUT, 5/8"
13	6	INSULATOR, POLYMER, 15 kV
15	4	EYE BOLT 5/8"
16	8	WASHER SQUARE, 3" CURVED
28	6	LINK, EXTENSION, FIBERGLASS, 12" MINIMUM
45	8	D.E. CLAMP, 336 ACSR
64	4	NUT EYE, 5/8"
		* JUMPERS
		* CONNECTORS

• AS REQUIRED



Lockhart Pole Specifications
(Highway 183 Project)

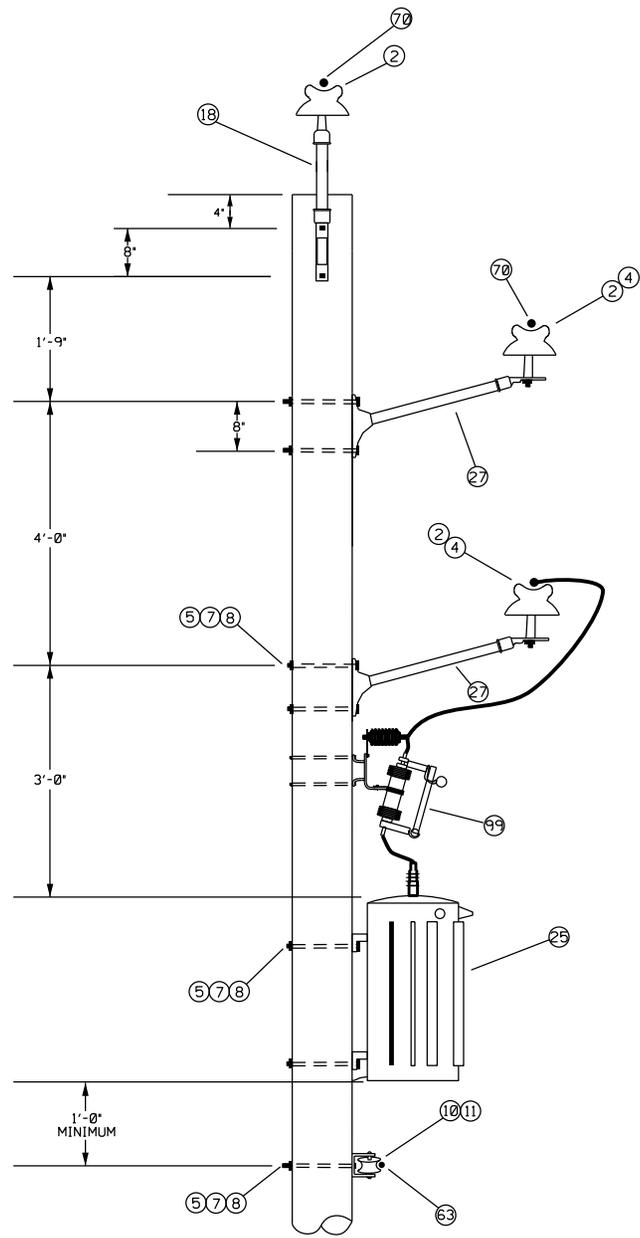
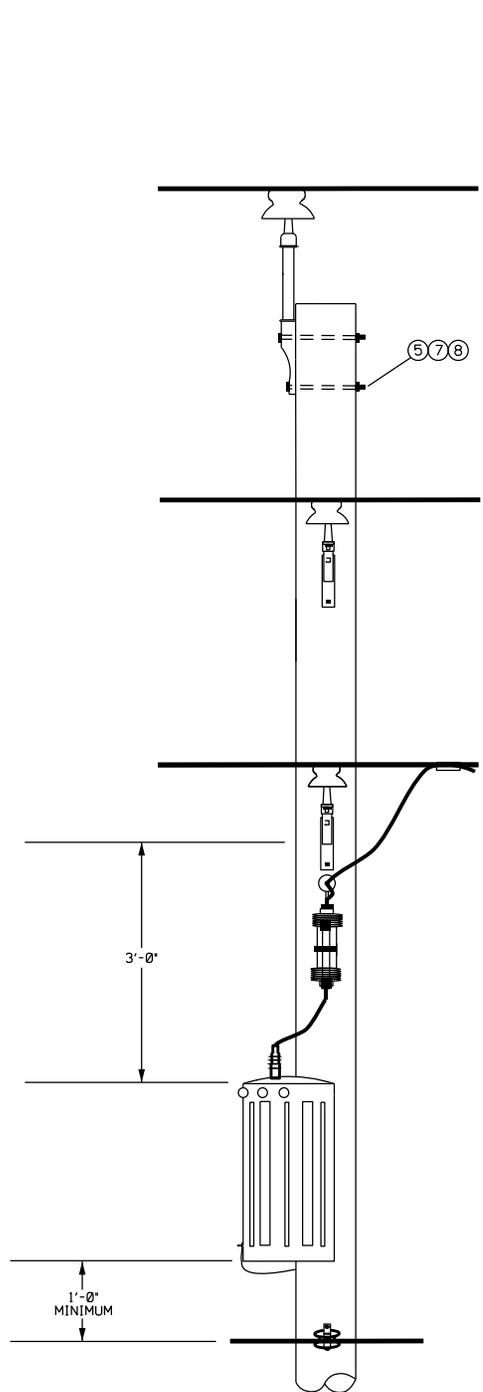
12.5/7.2 kV 3-PHASE
VERTICAL D. E. (DOUBLE)
FOR GANG SWITCH

PREPARED BY

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DESIGNED AT TRC	CHECKED LH DATE 2/6/14	SCALE N.T.S.	STANDARD C8V-SW
DATE 2/6/14		W.D. NUMBER 203387	

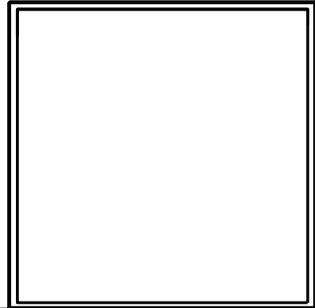
REVISION	DATE	DESCRIPTION	DRAWN	APPROVED



ITEM	QNTY.	DESCRIPTION
2	3	INSULATOR, PIN TYPE, 15 kV
4	2	PIN, CROSSARM, SHORT SHANK
5	9	BOLT MACHINE 5/8" X REQ'D LENGTH
7	9	LOCKNUT, 5/8"
8	9	WASHER SQUARE, 2 1/4"
10	1	CLEVIS SECONDARY
11	1	INSULATOR, SPOOL, 3'
18	1	FIBERGLASS POLE TOP 13" X 1 1/2"
99	1	FUSED CUTOUT 15 kV ARRESTER 9 kV MOV COMBO
25	1	**TRANSFORMER OVERHEAD
27	2	BRACKET FIBER GLASS 18" X 1 1/2" ROD (SINGLE)
63	1	CONDUCTOR NEUTRAL TIE, 336 ACSR
70	3	CONDUCTOR TOP TIE, 336 ACSR
		* JUMPERS
		* CONNECTORS

• AS REQUIRED

•• TRANSFORMER WILL BE CALLED FOR BY SIZE SEPARATELY ON STAKING SHEET



• SINGLE PHASE TRANSFORMER •
TO BE SET IN APPLICABLE
ROADSIDE QUADRANT

REVISION	DATE	DESCRIPTION	DRAWN	APPROVED

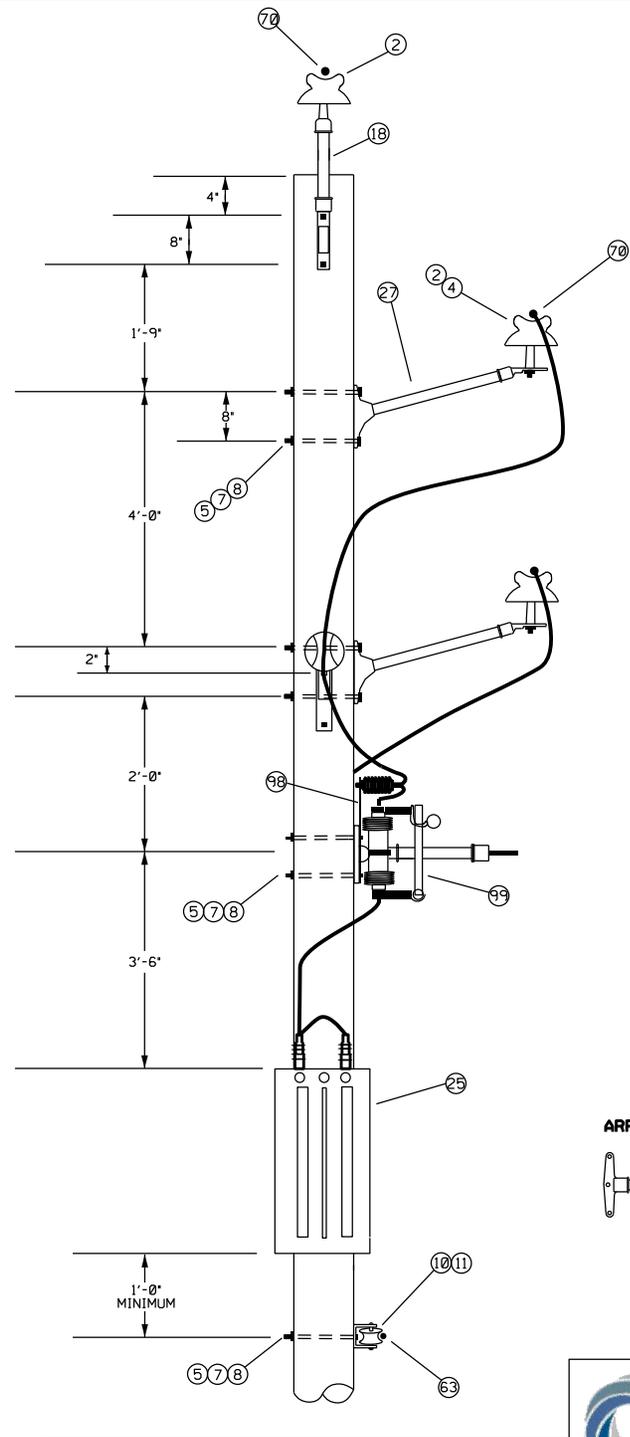
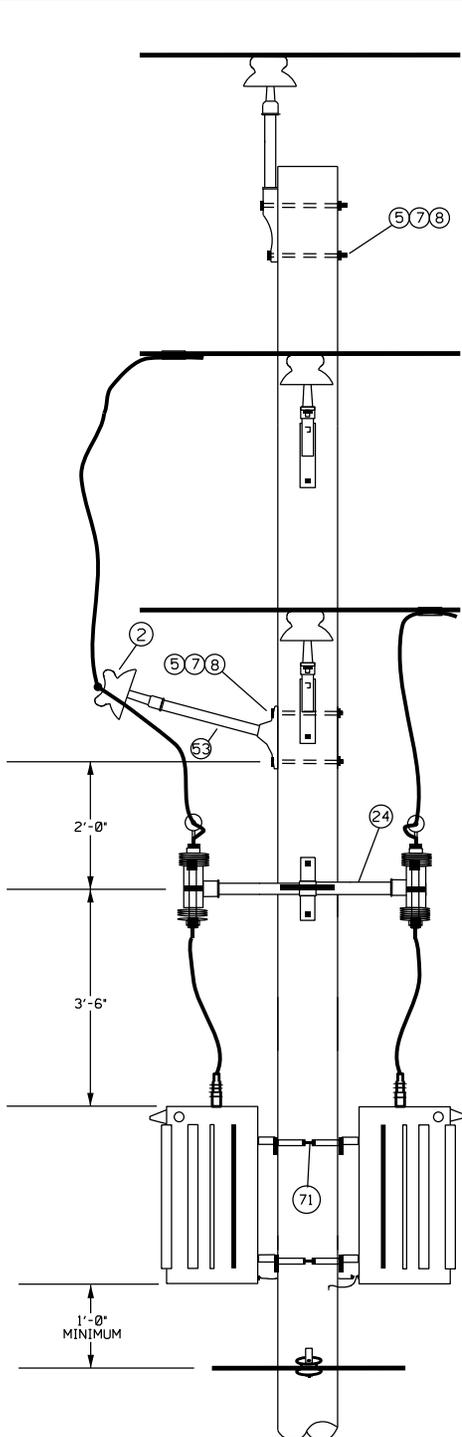
PREPARED BY

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Lockhart Pole Specifications
 (Highway 183 Project)

12.5/7.2 kV
 SINGLE PHASE TRANSFORMER
 ON VERTICAL CONSTRUCTION
 3-PHASE TANGENT-
 NARROW PROFILE

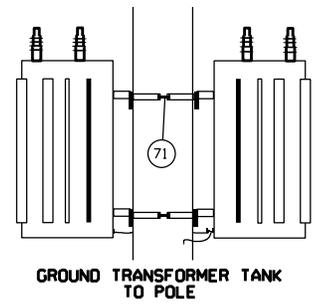
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DRAWN	TRC	DATE	2/6/14	W.O. NUMBER	203387		C1VT-1



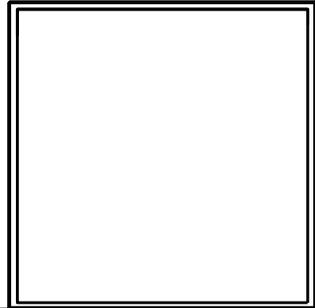
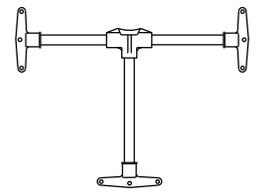
ITEM	QNTY.	DESCRIPTION
2	4	INSULATOR, PIN TYPE, 15 kV
4	2	PIN, CROSSARM, SHORT SHANK
5	11	BOLT MACHINE 5/8" X REQ'D LENGTH
7	11	LOCKNUT, 5/8"
8	11	WASHER SQUARE, 2 1/4"
10	1	CLEVIS SECONDARY
11	1	INSULATOR, SPOOL, 3"
18	1	FIBERGLASS POLE TOP 13" X 1 1/2"
98	2	ADDITIONAL MOUNTING STRAP BRACKET COMBO
99	2	FUSED CUTOUT 15 kV ARRESTER 9 kV MOV COMBO
24	1	3 PHASE CUTOUT ARRESTER BRACKET 3' X 2'
25	2	** TRANSFORMER OVERHEAD
27	2	BRACKET FIBER GLASS 18" X 1 1/2" ROD (SINGLE)
53	1	BRACKET JUMPER SUPPORT FIBERGLASS 18" X 1 1/2" ROD
63	1	CONDUCTOR NEUTRAL TIE, 336 ACSR
70	3	CONDUCTOR TOP TIE, 336 ACSR
71	1	HANGER 2 POSITION CLUSTER
*		ALUMINUM TIE WIRE FOR JUMPER SUPPORT
*		JUMPERS
*		CONNECTORS

• AS REQUIRED

•• TRANSFORMERS WILL BE CALLED FOR BY SIZE SEPARATELY ON STAKING SHEET



3-PHASE CUTOUT ARRESTER BRACKET 3' X 2'



Lockhart Pole Specifications
(Highway 183 Project)

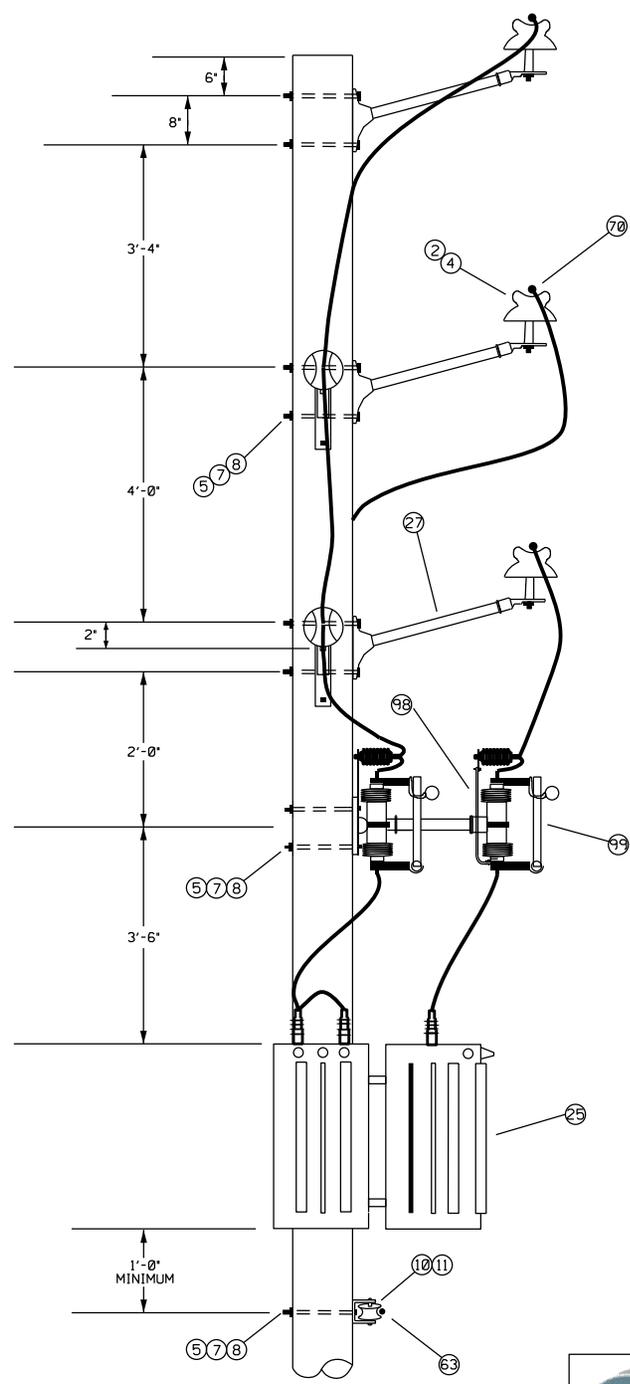
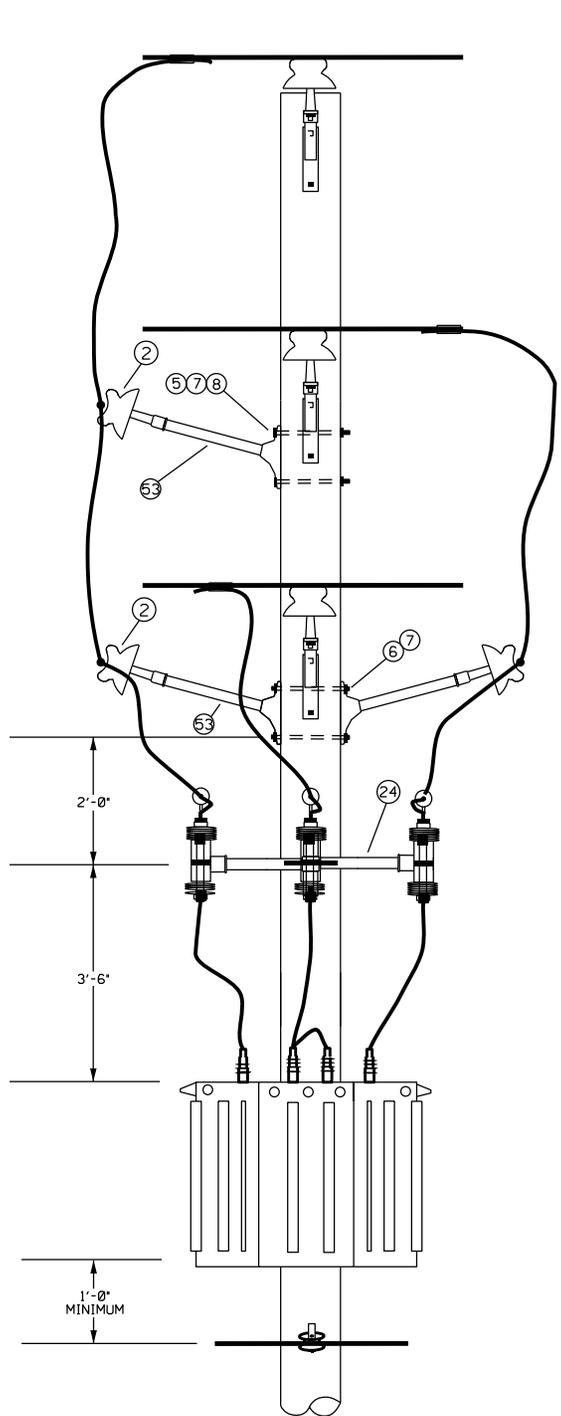
12.5/7.2 kV
2-PHASE TRANSFORMER
CLUSTER MOUNT ON
VERTICAL CONSTRUCTION
3-PHASE TANGENT-
NARROW PROFILE

DESIGNED	AT	CHECKED	LH	SCALE	N.T.S.	STANDARD	
DRAWN	TRC	DATE	2/6/14	W.D. NUMBER	203387		C1VT-2

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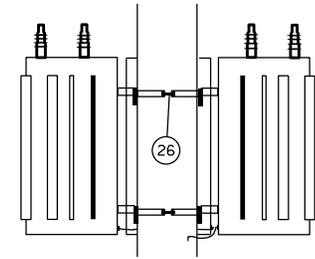
REVISION	DATE	DESCRIPTION	DRAWN	APPROVED



ITEM	QNTY.	DESCRIPTION
2	6	INSULATOR, PIN TYPE, 15 kV
4	3	PIN, CROSSARM, SHORT SHANK
5	11	BOLT MACHINE 5/8" X REQ'D LENGTH
6	2	BOLT, DOUBLE ARMING, 5/8" X REQ'D LENGTH
7	15	LOCKNUT, 5/8"
8	11	WASHER SQUARE, 2 1/4"
10	1	CLEVIS SECONDARY
11	1	INSULATOR, SPOOL, 3'
98	3	ADDITIONAL MOUNTING STRAP BRACKET COMBO
99	3	FUSED CUTOUT 15 kV ARRESTER 9 kV MOV COMBO
24	1	3 PHASE CUTOUT ARRESTER BRACKET 3' X 2'
25	3	** TRANSFORMER OVERHEAD
26	1	HANGER 3 POSITION CLUSTER
27	3	BRACKET FIBER GLASS 18" X 1 1/2" ROD (SINGLE)
53	3	BRACKET JUMPER SUPPORT FIBERGLASS 18" X 1 1/2" ROD
63	1	CONDUCTOR NEUTRAL TIE, 336 ACSR
70	3	CONDUCTOR TOP TIE, 336 ACSR
	*	ALUMINUM TIE WIRE FOR JUMPER SUPPORT
	*	JUMPERS
	*	CONNECTORS

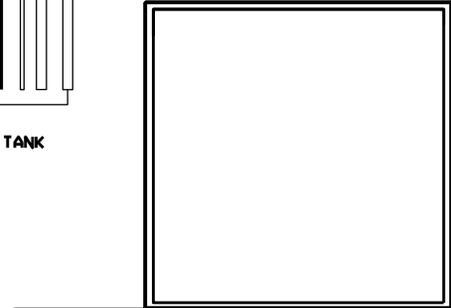
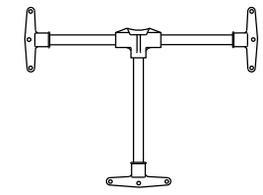
• AS REQUIRED

•• TRANSFORMERS WILL BE CALLED FOR BY SIZE SEPARATELY ON STAKING SHEET



GROUND TRANSFORMER TANK TO POLE

3-PHASE CUTOUT ARRESTER BRACKET 3' X 2'



Lockhart Pole Specifications
(Highway 183 Project)

12.5/7.2 kV
3-PHASE TRANSFORMER
CLUSTER MOUNT ON
3-PHASE
VERTICAL CONSTRUCTION

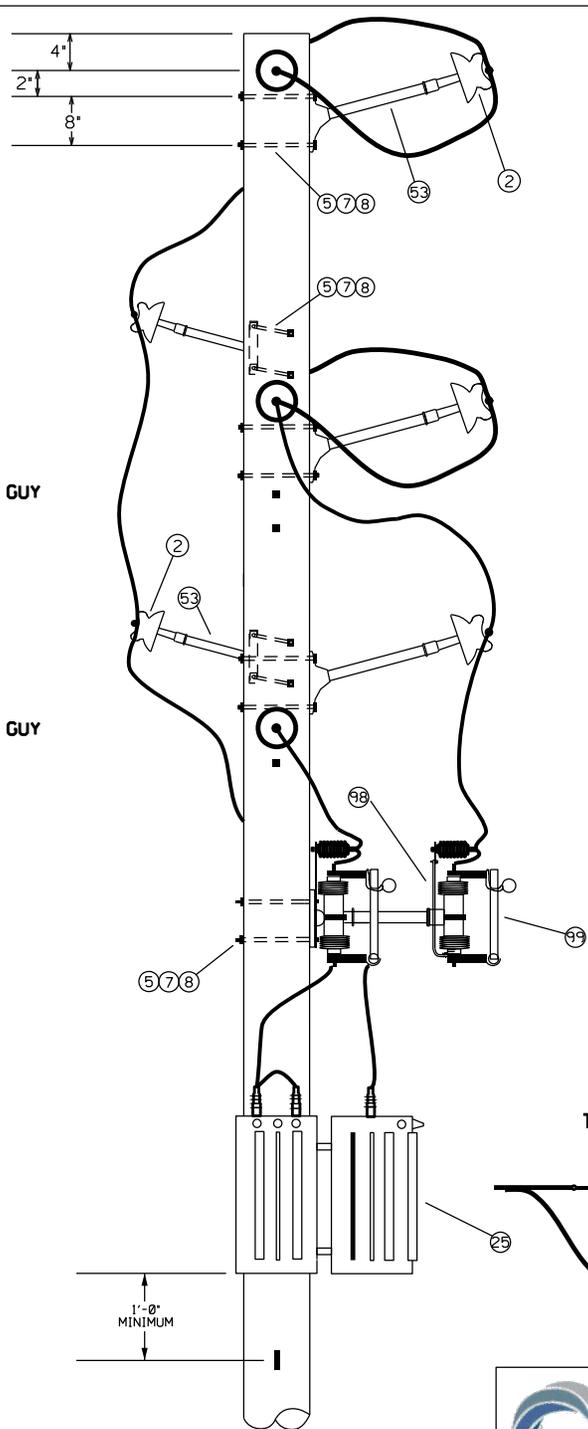
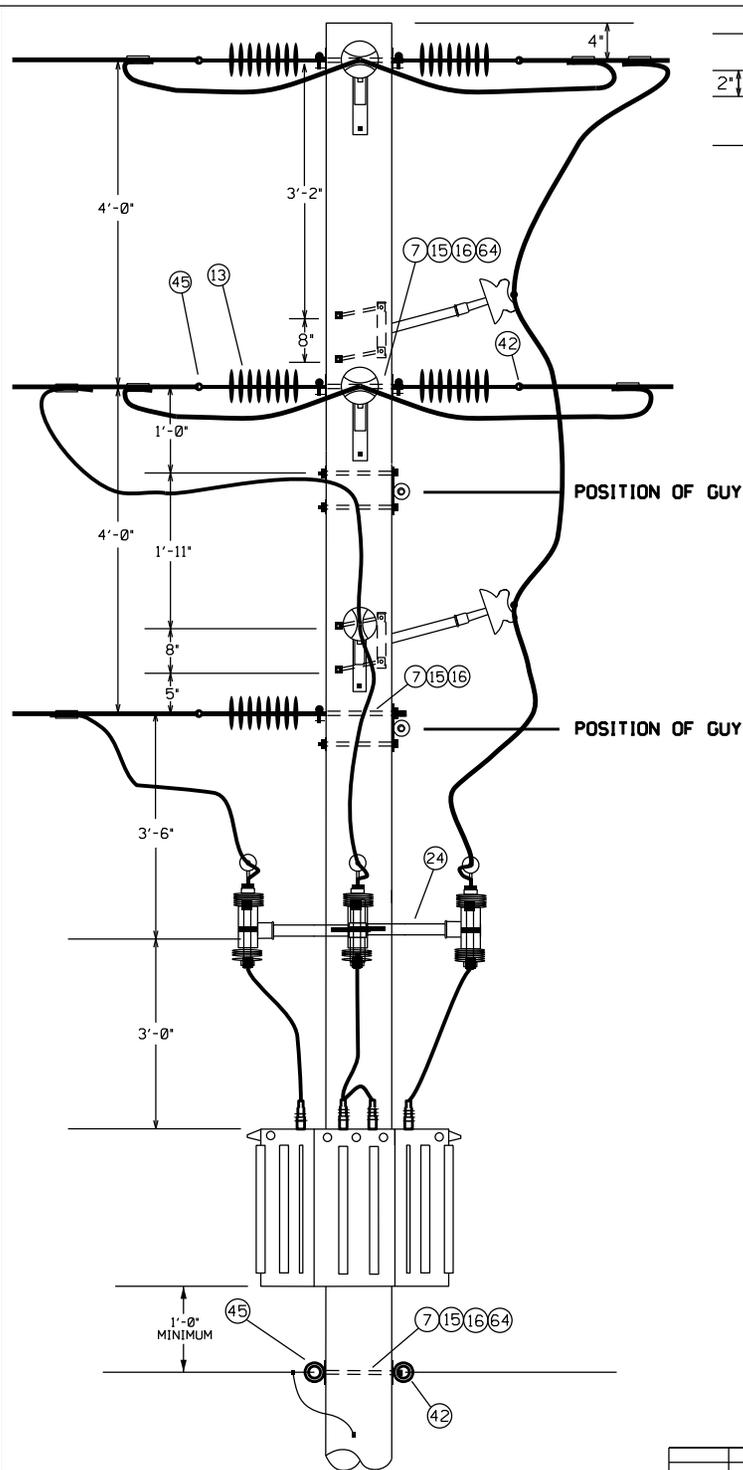
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DESIGNED	CHECKED	SCALE	N.T.S.	STANDARD
AT	LH			C1VT-3
DRAWN	DATE	W.D. NUMBER		
TRC	2/6/14	203387		

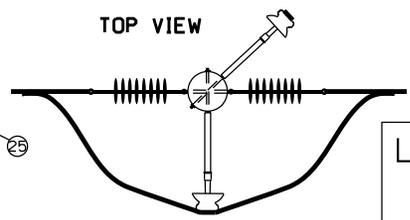
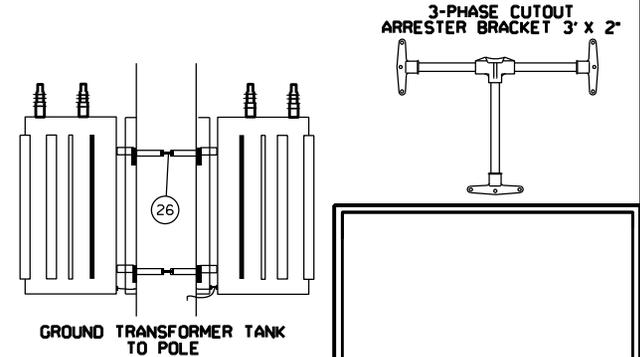
REVISION	DATE	DESCRIPTION	DRAWN	APPROVED



ITEM	QNTY.	DESCRIPTION
2	5	INSULATOR, PIN TYPE, 15 kV
5	12	BOLT MACHINE 5/8" X REQ'D LENGTH
7	20	LOCKNUT, 5/8"
8	12	WASHER SQUARE, 2 1/4"
13	5	INSULATOR, POLYMER, 15 kV
15	4	EYE BOLT 5/8"
16	8	WASHER SQUARE, 3" CURVED
98	3	ADDITIONAL MOUNTING STRAP BRACKET COMBO
99	3	FUSED CUTOUT 15 kV ARRESTER 9 kV MOV COMBO
24	1	3 PHASE CUTOUT ARRESTER BRACKET 3' X 2"
25	3	**TRANSFORMER OVERHEAD
26	1	HANGER 3 POSITION CLUSTER
42	3	D.E. CLAMP, 1/0 ACSR
45	4	D.E. CLAMP, 336 ACSR
53	5	BRACKET, JUMPER SUPPORT FIBERGLASS 18" X 1 1/2" ROD
64	3	NUT EYE, 5/8"
		* ALUMINUM TIE WIRE FOR JUMPER SUPPORT
		* JUMPERS
		* CONNECTORS

• AS REQUIRED

•• TRANSFORMERS WILL BE CALLED FOR BY SIZE SEPARATELY ON STAKING SHEET



Lockhart Pole Specifications
(Highway 183 Project)

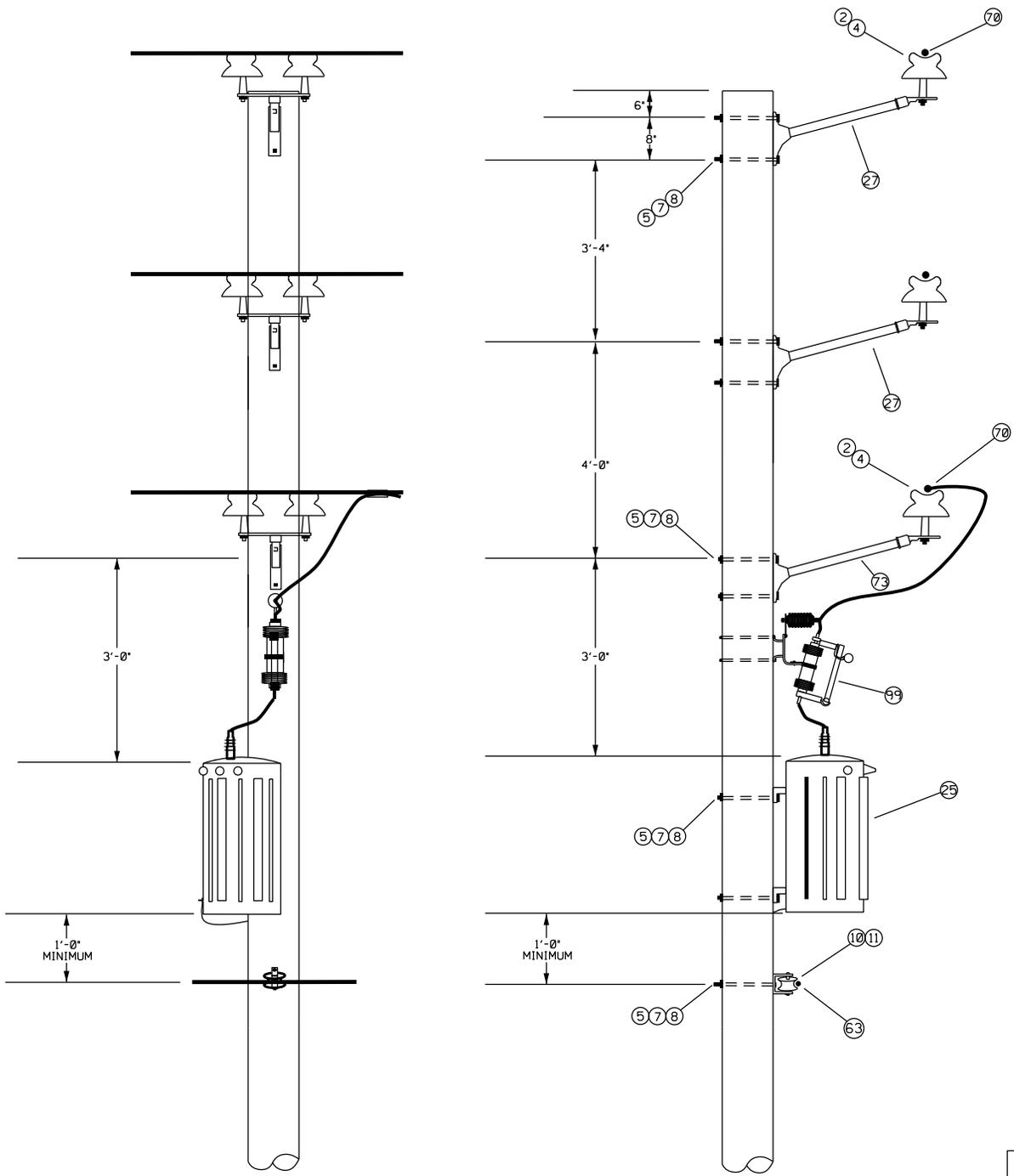
12.5/7.2 kV
3-PHASE TRANSFORMER
CLUSTER MOUNT ON
VERTICAL D. E. (DOUBLE)
3-PHASE TRANSITION
TO 2-PHASE

DESIGNED	CHECKED	SCALE	N.T.S.	STANDARD
AT	LH			C5-B5VT
DRAWN	DATE	W.O. NUMBER		
TRC	2/6/14	203387		

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REVISION	DATE	DESCRIPTION	DRAWN	APPROVED

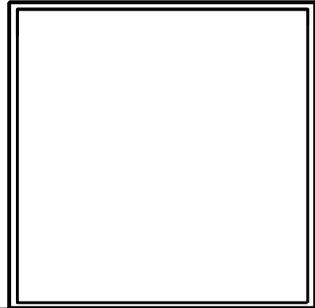
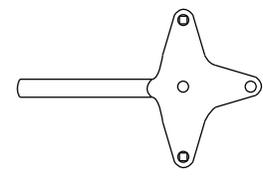


ITEM	QNTY.	DESCRIPTION
2	6	INSULATOR, PIN TYPE, 15 kV
4	6	PIN, CROSSARM, SHORT SHANK
5	9	BOLT MACHINE 5/8" X REQ'D LENGTH
7	9	LOCKNUT, 5/8"
8	9	WASHER SQUARE, 2 1/4"
10	1	CLEVIS SECONDARY
11	1	INSULATOR, SPOOL, 3'
99	1	FUSED CUTOUT 15 kV ARRESTER 9 kV MOV COMBO
25	1	** TRANSFORMER OVERHEAD
63	1	CONDUCTOR NEUTRAL TIE, 336 ACSR
62	3	CONDUCTOR DOUBLE TOP TIE, 336 ACSR
73	3	BRACKET (CLOVERLEAF), FIBERGLASS 18" X 1 1/2"
*		JUMPERS
*		CONNECTORS

• AS REQUIRED

•• TRANSFORMER WILL BE CALLED FOR BY SIZE SEPARATELY ON STAKING SHEET

TOP VIEW
CLOVERLEAF BRACKET



• SINGLE PHASE TRANSFORMER •
TO BE SET IN APPLICABLE
ROADSIDE QUADRANT

REVISION	DATE	DESCRIPTION	DRAWN	APPROVED

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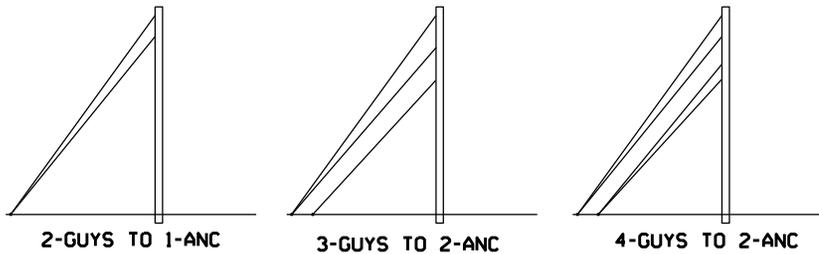


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(Highway 183 Project)

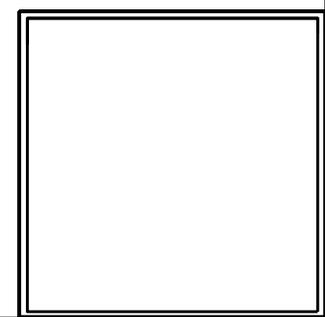
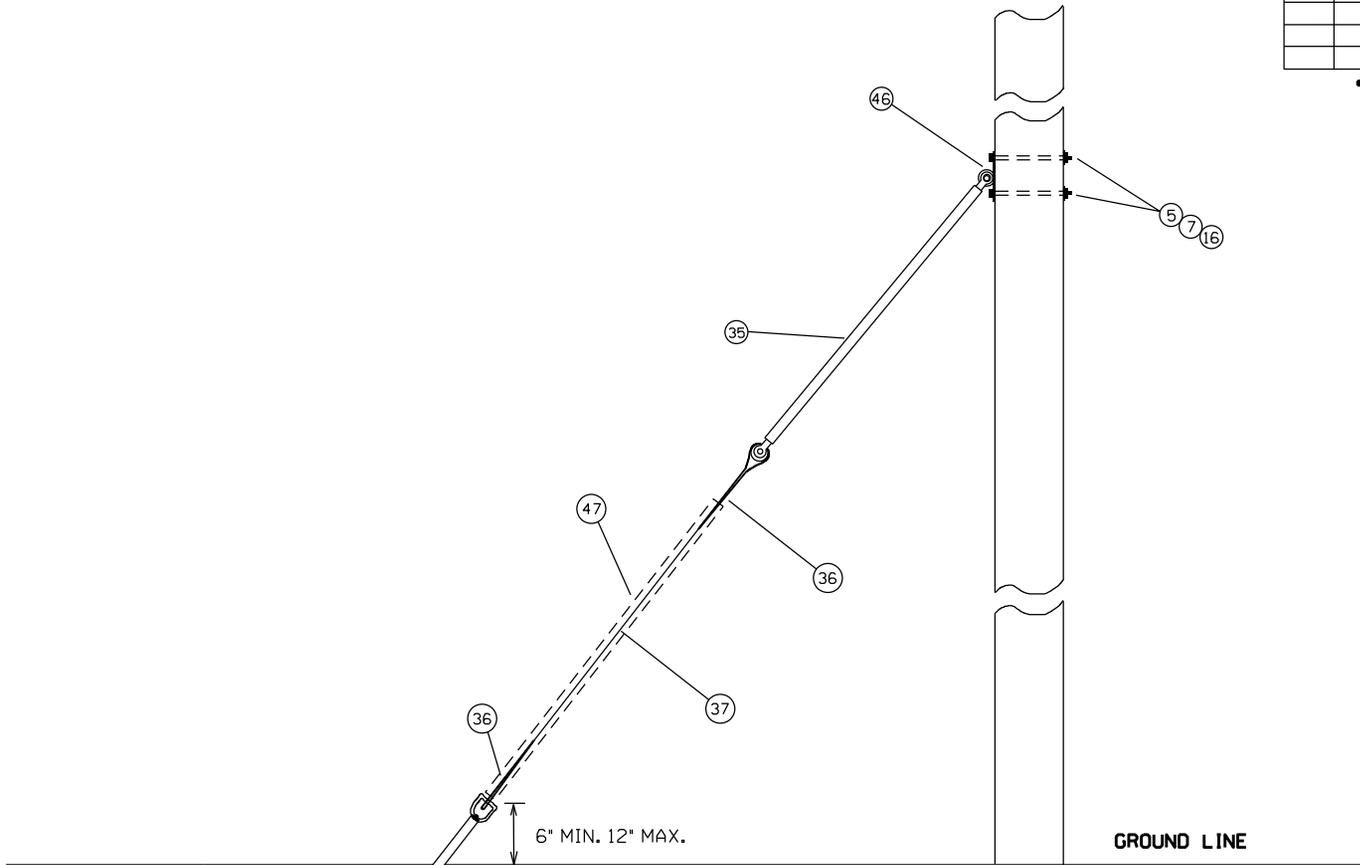
12.5/7.2 kV
SINGLE PHASE
TRANSFORMER
ON 3-PHASE
VERTICAL CONSTRUCTION
DOUBLE SUPPORT

DESIGNED	AT	CHECKED	LH	SCALE	N.T.S.	STANDARD
DRAWN	TRC	DATE	2/6/14	W.D. NUMBER	203387	C2VT-1



ITEM	QNTY.	DESCRIPTION
5	2	BOLT MACHINE $\frac{5}{8}$ " X REQ'D LENGTH
7	2	LOCKNUT $\frac{5}{8}$ "
16	2	WASHER SQUARE, 3" CURVED
35	1	ROD GUY FIBERGLASS $\frac{5}{8}$ " X 96' 15000* W/ROLLER
36	2	GUY DEADEND, PREFORM $\frac{3}{8}$ " GUY STRAND
37	*	WIRE GUY $\frac{3}{8}$ " H.S. 7 STRAND
46	1	GUY ATTACHMENT, POLE EYE PLATE
47	1	GUY GUARD, YELLOW PLASTIC

• AS REQUIRED



Lockhart Pole Specifications
(Highway 183 Project)

GUYING DETAIL GUIDE

PREPARED BY



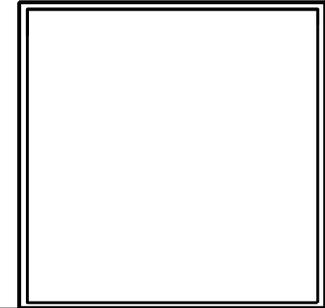
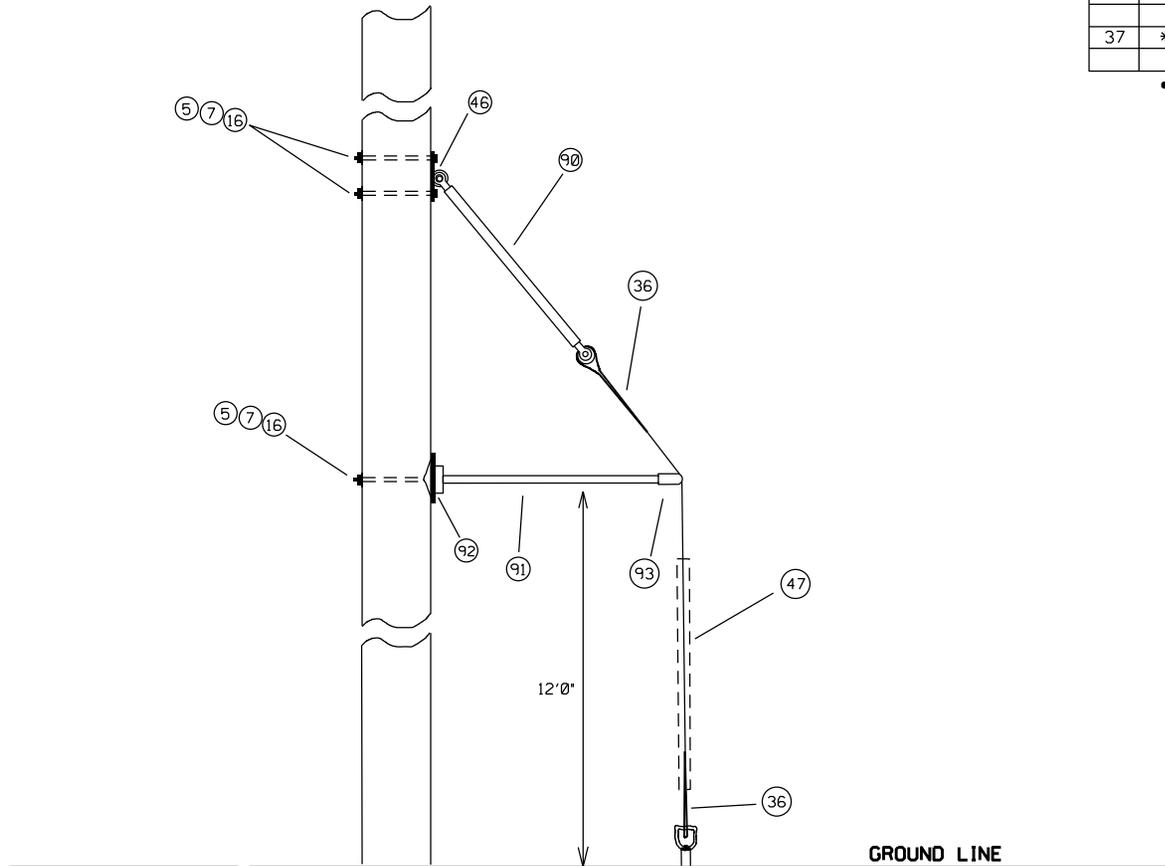
975 W. Bitters Rd. SA, Tx 78101
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DESIGNED	CHECKED	SCALE	STANDARD
AT	LH	N.T.S.	E1-31
DATE	W.D. NUMBER		
TRC	203387	2/6/14	

REVISION	DATE	DESCRIPTION	DRAWN	APPROVED

ITEM	QNTY.	DESCRIPTION
5	3	BOLT MACHINE 5/8" X REQ'D LENGTH
7	3	LOCKNUT 5/8"
16	3	WASHER SQUARE, 3" CURVED
36	2	GUY DEADEND, PREFORM 3/8" GUY STRAND
46	1	GUY ATTACHMENT, POLE EYE PLATE
47	1	GUY GUARD, YELLOW PLASTIC
90	1	ROD GUY FIBERGLASS 5/8" X 18" W/ROLLER
91	1	PIPE 2" X 5" LENGTH
92	1	POLE PLATE W/ BOLT CENTER
93	1	END FITTING
37	*	WIRE GUY 3/8" H.S. 7 STRAND

• AS REQUIRED



Lockhart Pole Specifications
(Highway 183 Project)

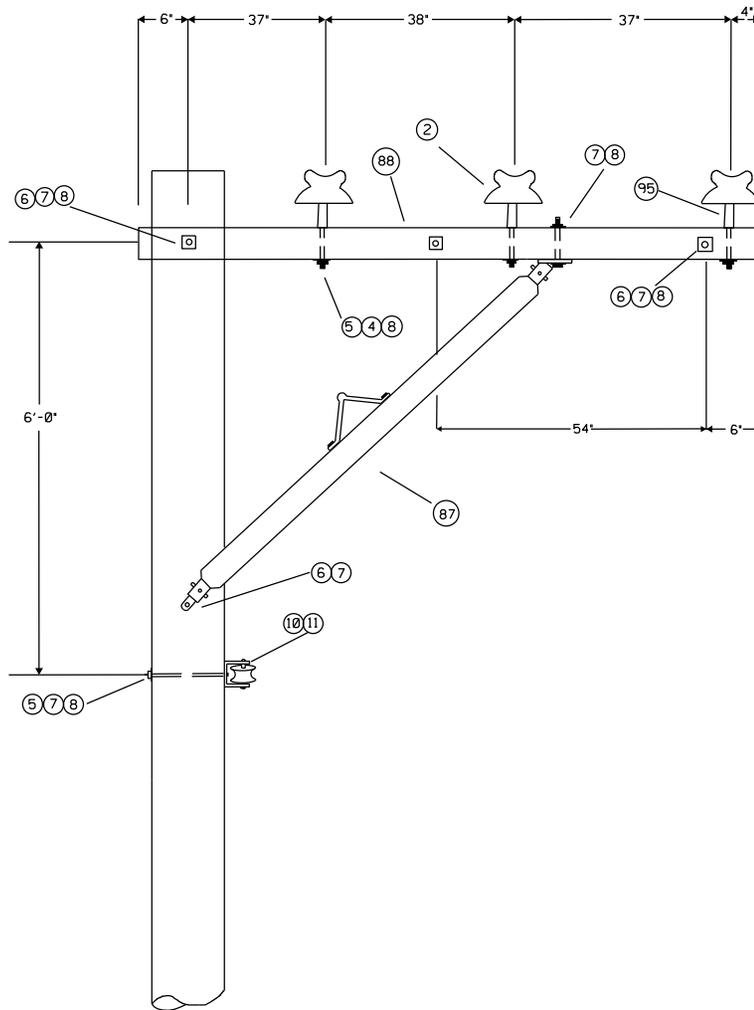
SIDEWALK GUY

PREPARED BY

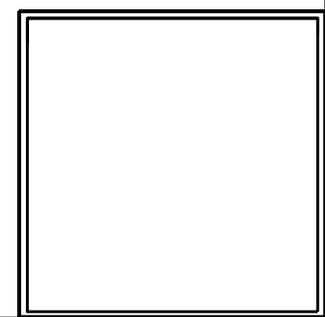
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DESIGNED AT TRC	CHECKED LH DATE 2/6/14	SCALE N.T.S.	STANDARD E1-31SW
W.D. NUMBER 203387			

REVISION	DATE	DESCRIPTION	DRAWN	APPROVED



ITEM	QNTY.	DESCRIPTION
2	6	INSULATOR, PIN TYPE, 15kV
95	6	PIN, CROSSARM, LONG SHANK
5	3	MACHINE BOLT GALV 5/8" X REQ'D LENGTH
7	13	LOCKNUT 5/8" GALV.
8	15	WASHER, SQUARE, 2 1/4"
6	4	BOLT, DOUBLE ARMING, 5/8" X REQ'D LENGTH
10	1	SECONDARY CLEVIS
11	1	INSULATOR SPOOL 3"
87	2	BRACE, HUGHES, 7 FT.
88	2	CROSSARM, 10 FT.
62	3	CONDUCTOR DOUBLE TOP TIE, 336 ACSR
63	1	CONDUCTOR NEUTRAL TIE, 336 ACSR



Lockhart Pole Specifications
(Highway 183 Project)

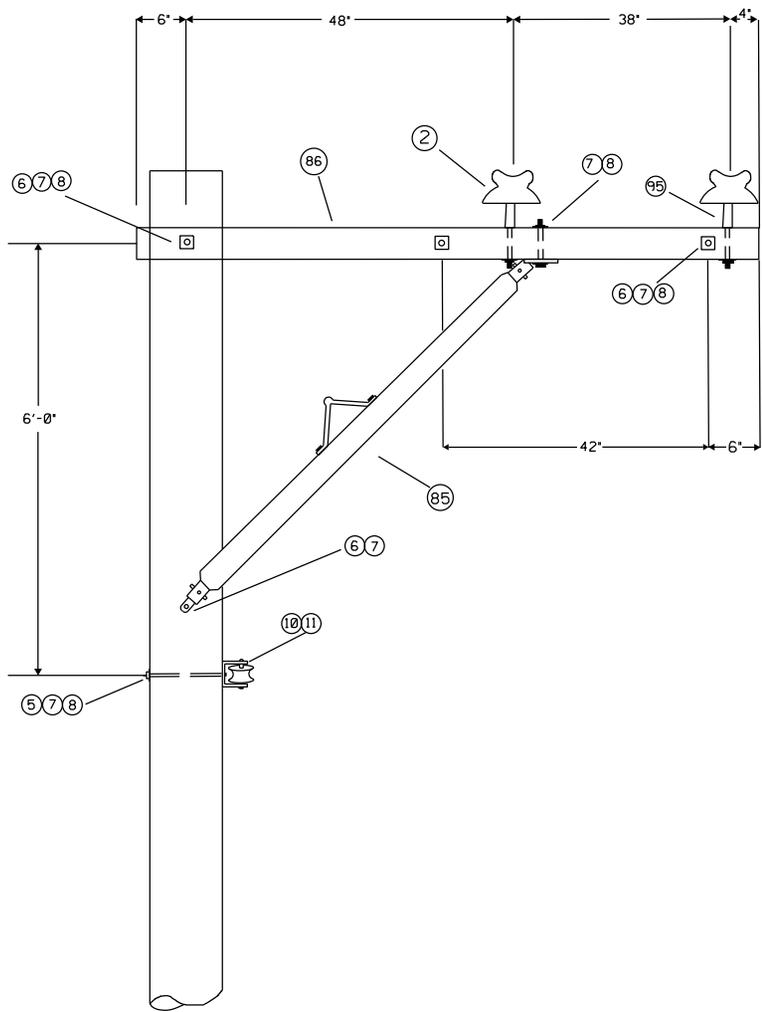
3-PHASE DOUBLE ALLEY ARM
ASSEMBLY GUIDE

PREPARED BY

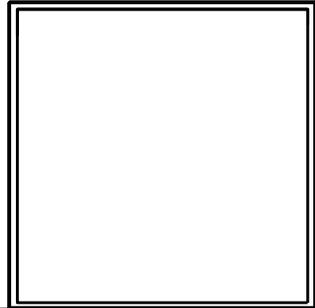
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DESIGNED	AT	CHECKED	LH	SCALE	N.T.S.	STANDARD	C1-1AAF
DRAWN	TRC	DATE	10/31/13	W.O. NUMBER	203387		

REVISION	DATE	DESCRIPTION	DRAWN	APPROVED



ITEM	QNTY.	DESCRIPTION
2	4	INSULATOR, PIN TYPE, 15kV
95	4	PIN, CROSSARM, LONG SHANK
5	3	MACHINE BOLT GALV 5/8" X REQ'D LENGTH
7	13	LOCKNUT 5/8" GALV.
8	15	WASHER, SQUARE, 2 1/4"
6	4	BOLT, DOUBLE ARMING, 5/8" X REQ'D LENGTH
10	1	SECONDARY CLEVIS
11	1	INSULATOR SPOOL 3"
85	2	BRACE, HUGHES, 6 FT.
86	2	CROSSARM, 8 FT.
65	2	CONDUCTOR DOUBLE TOP TIE, 1/0 ACSR
67	1	CONDUCTOR NEUTRAL TIE, 1/0 ACSR



Lockhart Pole Specifications
(Highway 183 Project)

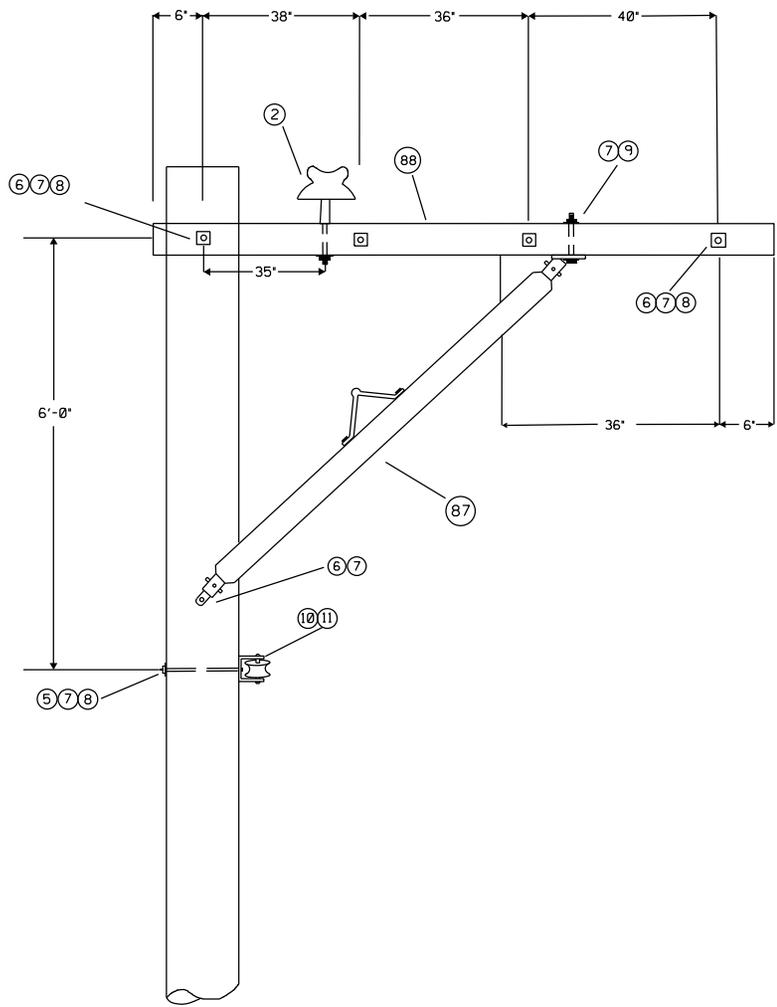
2-PHASE DOUBLE ALLEY ARM
ASSEMBLY GUIDE

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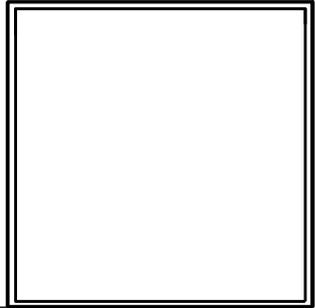
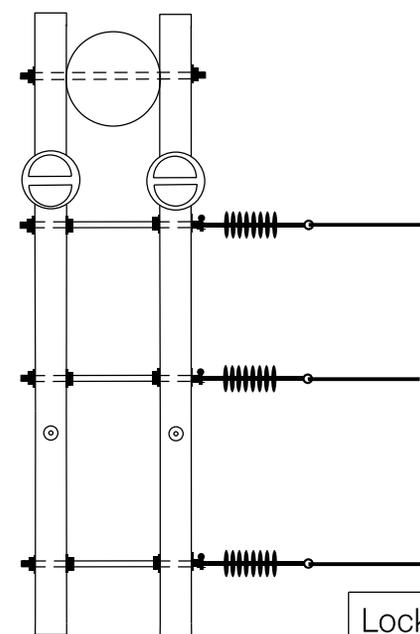
DESIGNED AT	CHECKED LH	SCALE N.T.S.	STANDARD B1-1AAF
DATE TRC	DATE 10/31/13	W.O. NUMBER 203387	

REVISION	DATE	DESCRIPTION	DRAWN	APPROVED



ITEM	QNTY.	DESCRIPTION
2	2	INSULATOR, PIN TYPE, 15kV
95	2	PIN, CROSSARM, LONG SHANK
5	3	MACHINE BOLT GALV 5/8" X REQ'D LENGTH
7	17	LOCKNUT 5/8" GALV.
8	17	WASHER, SQUARE, 2 1/4"
6	5	BOLT, DOUBLE ARMING, 5/8" X REQ'D LENGTH
10	1	SECONDARY CLEVIS
11	1	INSULATOR SPOOL 3"
16	3	WASHER SQUARE 3" CURVED
13	3	INSULATOR, POLYMER, 15 kV
45	3	D.E. CLAMP, 336 ACSR
64	3	NUT EYE, 5/8"
87	2	BRACE, HUGHES, 7 FT.
88	2	CROSSARM, 10 FT.
62	1	CONDUCTOR DOUBLE TOP TIE, 336 ACSR
63	1	CONDUCTOR NEUTRAL TIE, 336 ACSR
	*	JUMPERS
	*	CONNECTORS
	*	ALUMINUM TIE WIRE

• AS REQUIRED



Lockhart Pole Specifications
(Highway 183 Project)

3-PHASE ALLEY ARM
DEADEND (SLACK) FIBERGLASS
CROSSARM
ASSEMBLY GUIDE

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DESIGNED	CHECKED	SCALE	N.T.S.	STANDARD
AT	LH			C7AA
TRC	10/31/13	W.D. NUMBER	203387	

REVISION	DATE	DESCRIPTION	DRAWN	APPROVED

