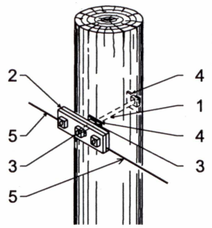
Plot Date: 3/22/2012 4:48:09 PM Filename: Li\station\DGN\CITY OF PORTLAND - STANDARD DRAWINGS\SECTION DIVISIONS\6-TRAFFIC SIGNALS\MICROSTATION\Traffic Signal Drawings\P-635 .dgn 11x17 PRINT SCALE: $SCALE$

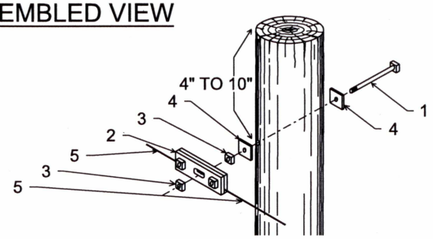
NOTES:

1. PREFERRED DISTANCE FROM TOP OF POLE TO BOLT HOLE IS 10". BUT NOT LESS THAN 4".
2. CHECK BONDING REQUIREMENTS.



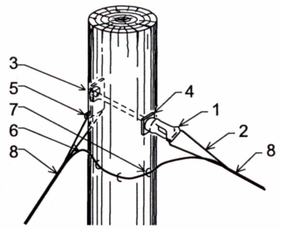
ITEM	DESCRIPTION	QTY.
1	5/8" MACHINE BOLT	1
2	SUSPENSION CLAMP	1
3	SQUARE NUT	2
4	SQUARE WASHER	2
5	5/16" STRAND	

ASSEMBLED VIEW



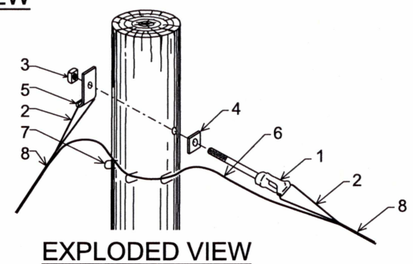
EXPLODED VIEW

POLE FRAMING
STRAIGHT-LINE POLE



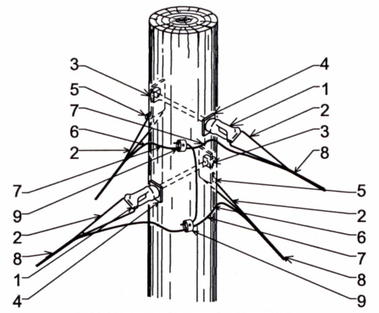
ITEM	DESCRIPTION	QTY.
1	THIMBLE EYE BOLT	1
2	5/16 " PRE-FORM DEAD END	1
3	SQUARE NUT	1
4	SQUARE WASHER	1
5	GUY ATTACHMENT	1
6	5/16 " MESSENGER STRAND	
7	GALV. STAPLES	
8	5/16 " GUY STRAND	

ASSEMBLED VIEW



EXPLODED VIEW

POLE FRAMING
DEAD-END POLE WITH GUY



ITEM	DESCRIPTION	QTY.
1	THIMBLE EYE BOLT	
2	5/16 " PRE-FORM DEAD END	
3	SQUARE NUT	
4	SQUARE WASHER	
5	5/16 " GUY STRAND	
6	GUY ATTACHMENT	
7	5/16 " MESSENGER STRAND	
8	GALV. STAPLES	
9	BONDING CLAMP	

ASSEMBLED VIEW

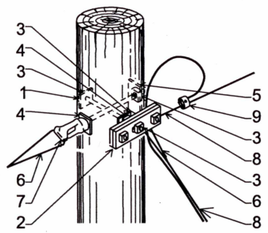
NOTES:

1. CHECK BONDING REQUIREMENTS.

POLE FRAMING
DOUBLE DEAD-END WITH GUYS

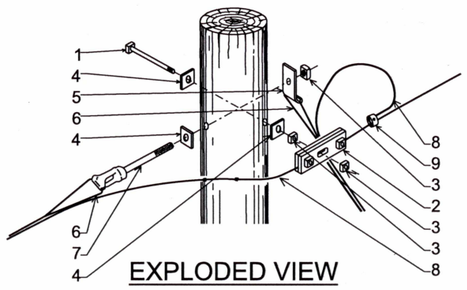
NOTES:

1. MINIMUM OF 4" VERTICAL SEPARATION BETWEEN BOLT HOLES.
2. CHECK BONDING REQUIREMENTS.



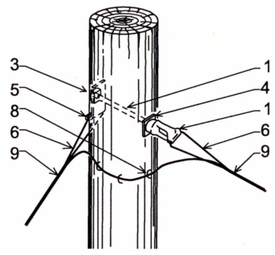
ITEM	DESCRIPTION
1	5/8" MACHINE BOLT
2	SUSPENSION CLAMP
3	SQUARE NUT
4	SQUARE WASHER
5	GUY ATTACHMENT
6	5/16" PRE-FORM DEAD END
7	THIMBLE EYE BOLT
8	5/16" STRAND
9	BONDING CLAMP

ASSEMBLED VIEW



EXPLODED VIEW

POLE FRAMING
FALSE DEAD-END POLE

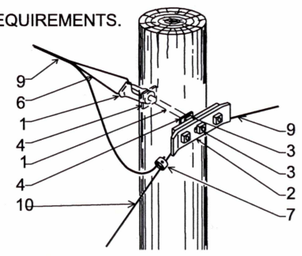


ITEM	DESCRIPTION
1	THIMBLE EYE BOLT
2	ANGLE SUSPENSION CLAMP
3	SQUARE NUT
4	SQUARE WASHER
5	GUY ATTACHMENT
6	5/16" PRE-FORM DEAD END
7	BONDING CLAMP
8	GALV. STAPLES
9	5/16" STRAND
10	5/16" GUY STRAND

ASSEMBLED VIEW

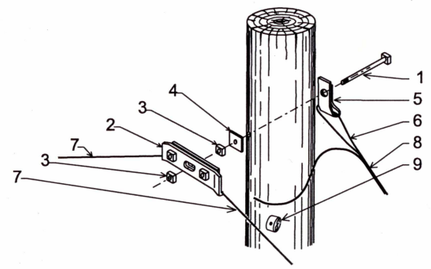
NOTES:

1. CHECK BONDING REQUIREMENTS.



ASSEMBLED VIEW

POLE FRAMING
OVERHEAD GUY



ITEM	DESCRIPTION	QTY.
1	5/8" MACHINE BOLT	1
2	SUSPENSION CLAMP	1
3	SQUARE NUT	2
4	SQUARE WASHER	1
5	GUY ATTACHMENT	1
6	5/16" PRE-FORM DEAD END	
7	5/16" STRAND	2
8	5/16" GUY STRAND	2
9	BONDING CLAMP	

EXPLODED VIEW

POLE FRAMING
ANGLE POLE

NOTES:

1. CHECK BONDING REQUIREMENTS.

NOT TO SCALE

The selection and use of this Standard Detail, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user.

BUREAU OF TRANSPORTATION
CITY OF PORTLAND, OREGON

Steve Townsend
Chief Engineer

Standard Detail Title

CABLE PLACEMENT AND WOOD POLE FRAMING DETAILS (1 0F 3)

Note:
All material and workmanship shall be in accordance with the City of Portland Standard Construction Specifications.

Effective Date: 03-21-12

Calc. Book No.:

Baseline Report Date:

Standard Detail No.

P-635