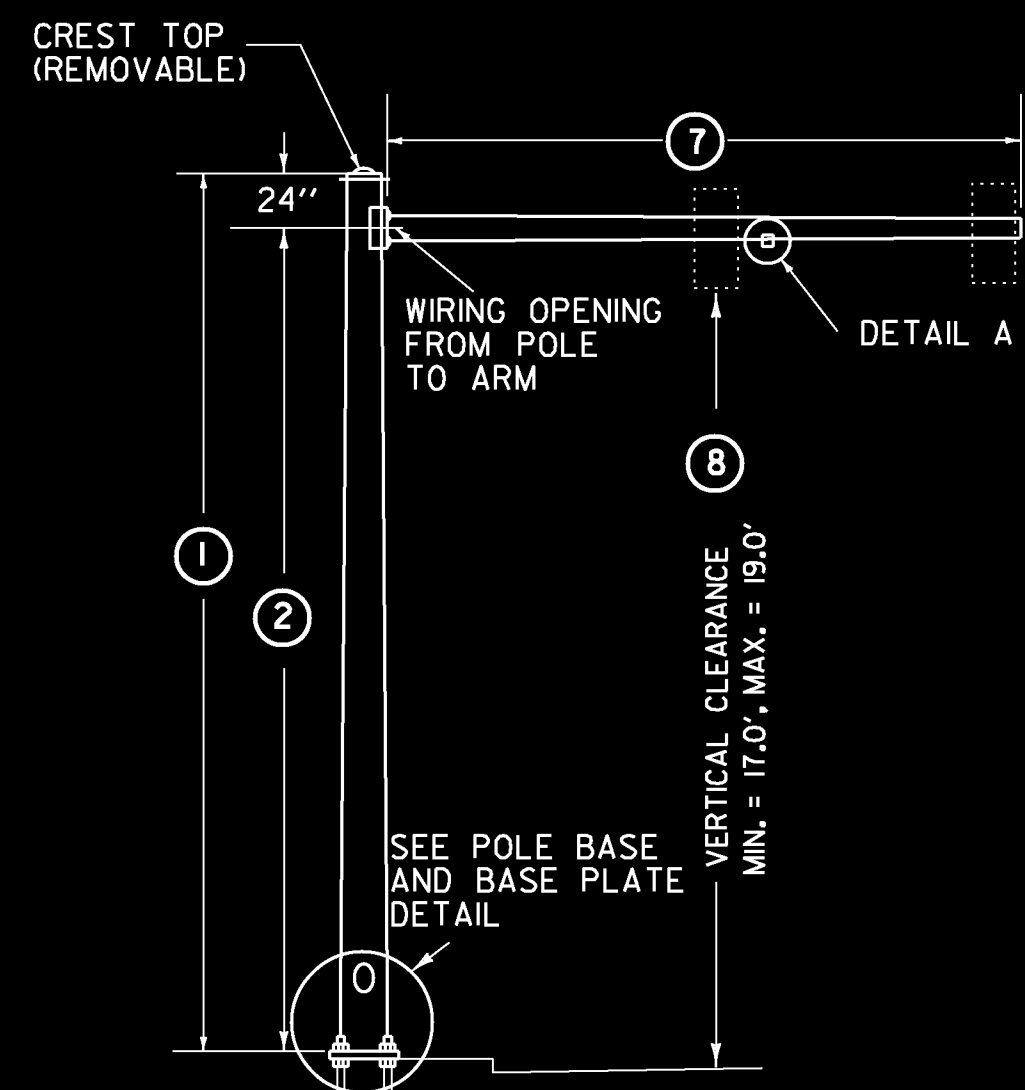
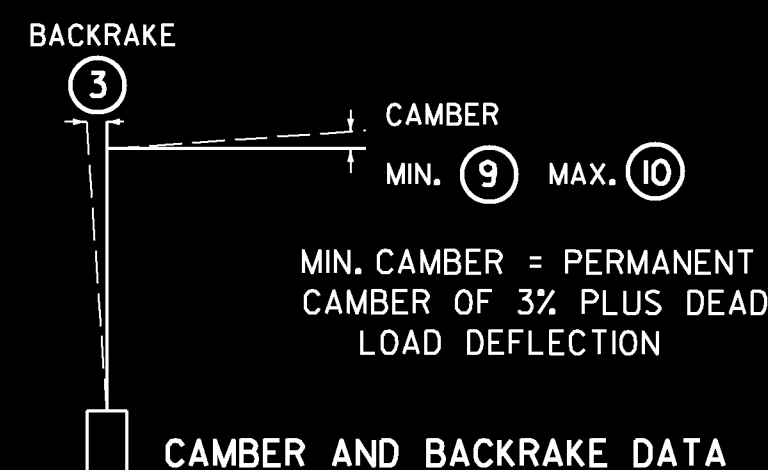
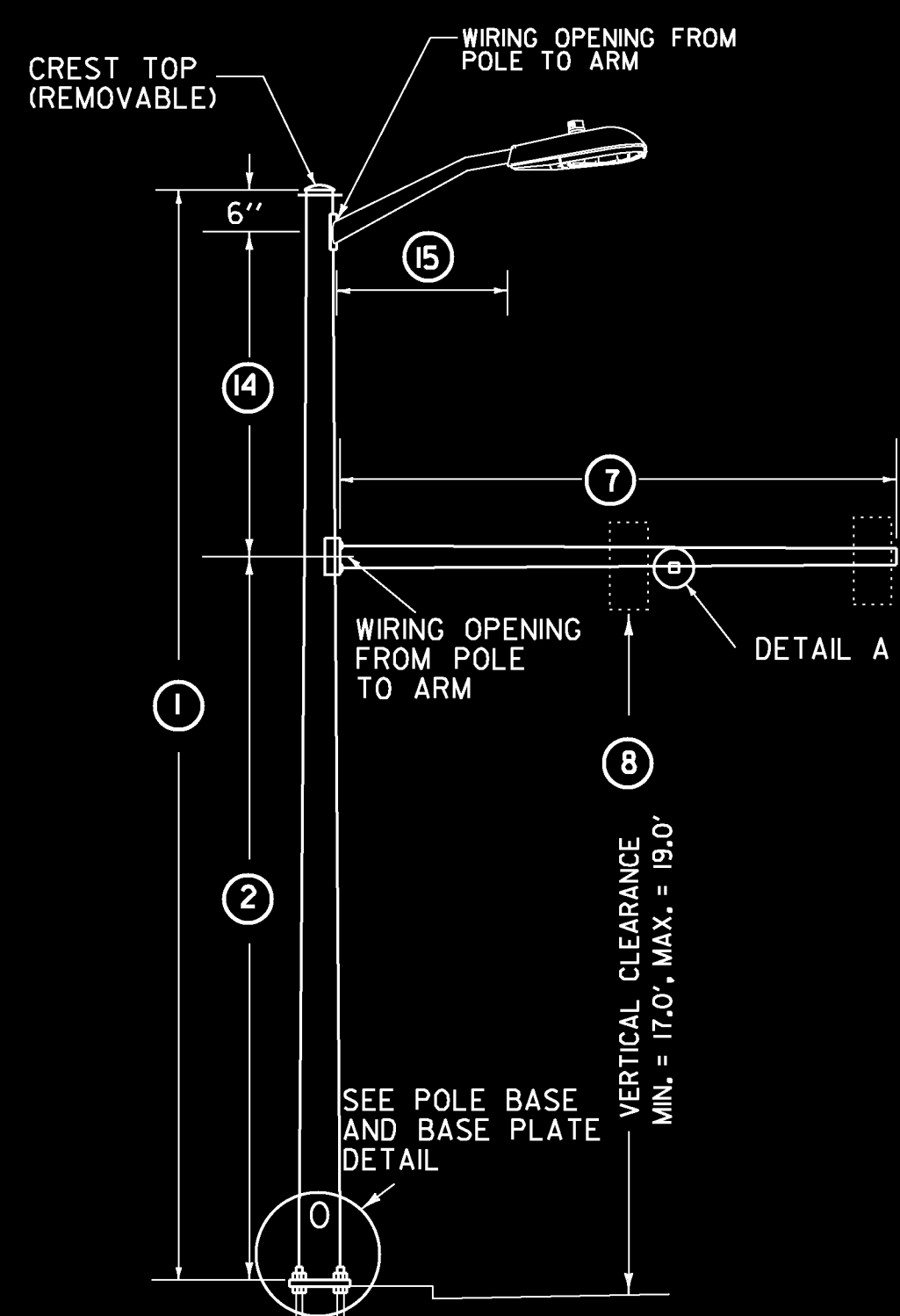




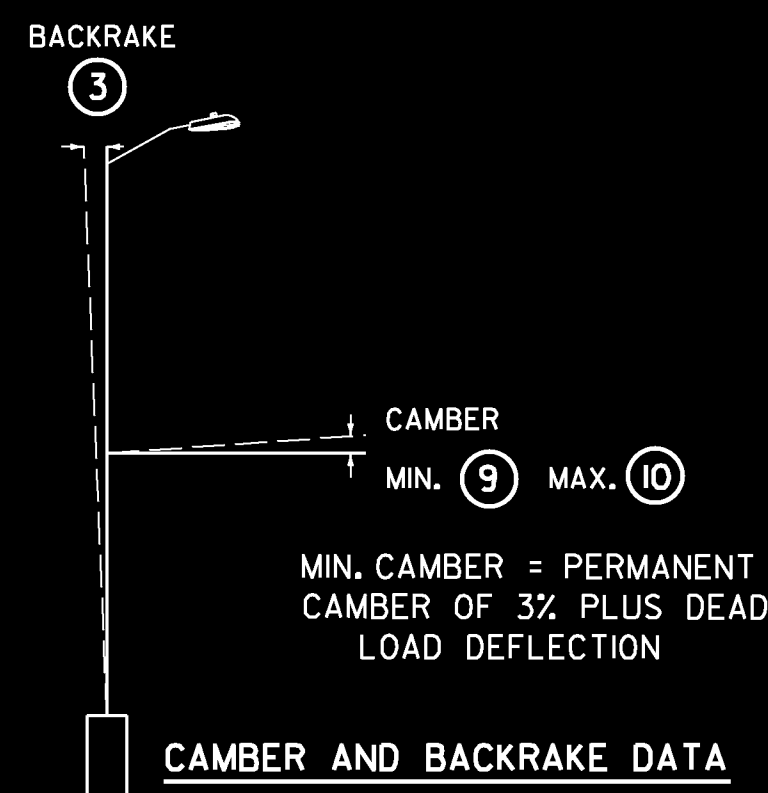
TYPE A



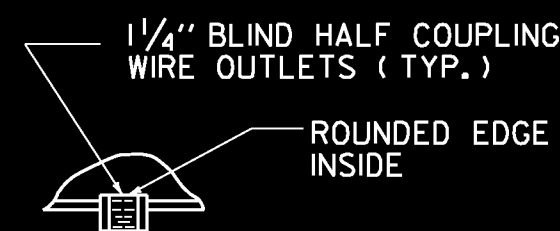
CAMBER AND BACKRAKE DATA



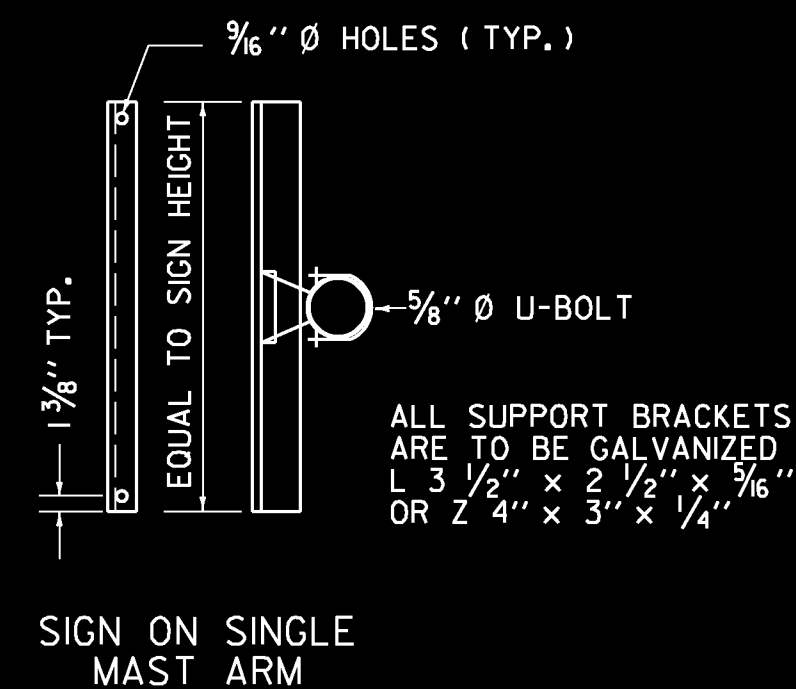
TYPE B



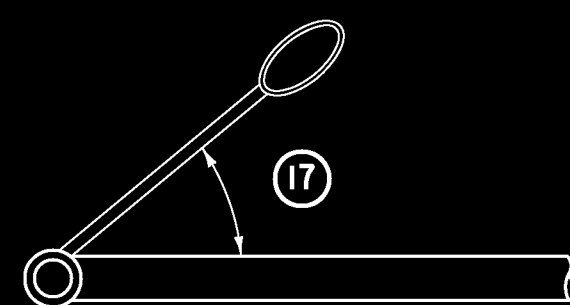
CAMBER AND BACKRAKE DATA



DETAIL A

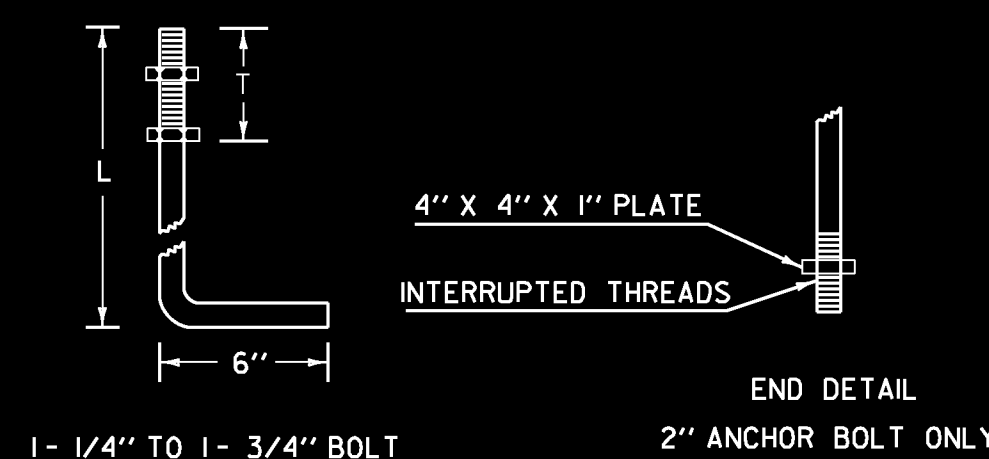


SIGN BRACKET DETAILS

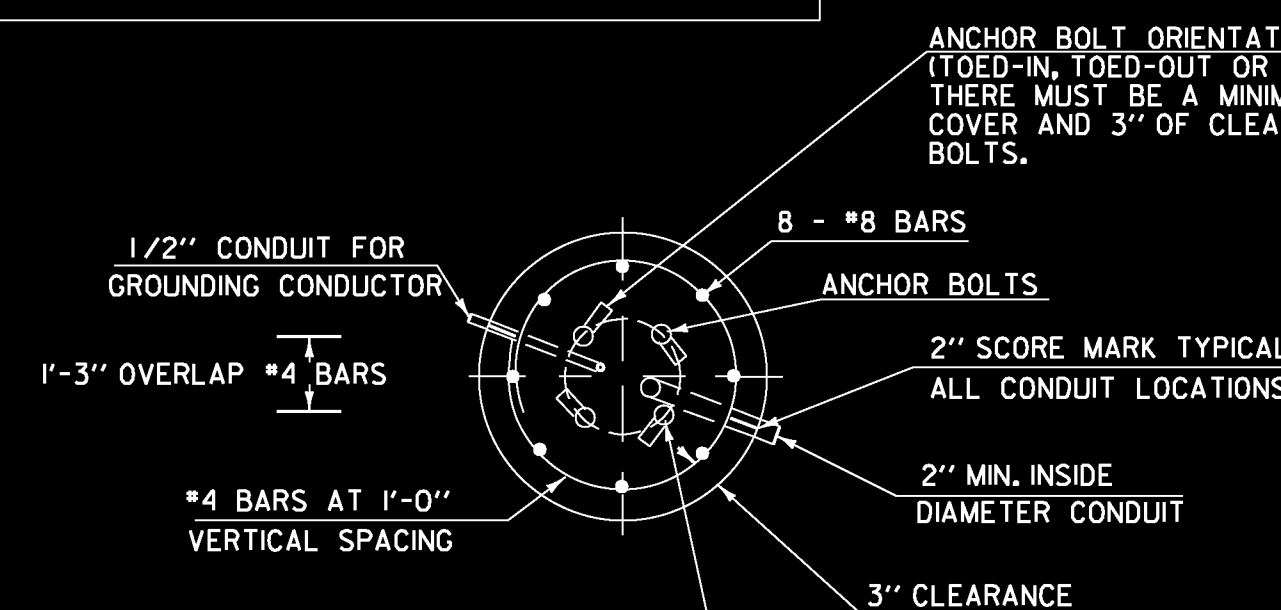


LUMINAIRE ORIENTATION

ANCHOR BOLT DETAIL	SIZE	L (IN)	T (IN)
1 - 1/4" X 48"	42	8	
1 - 1/2" X 60"	54	9	
1 - 3/4" X 90"	84	9	
2" X 96"	96	9	



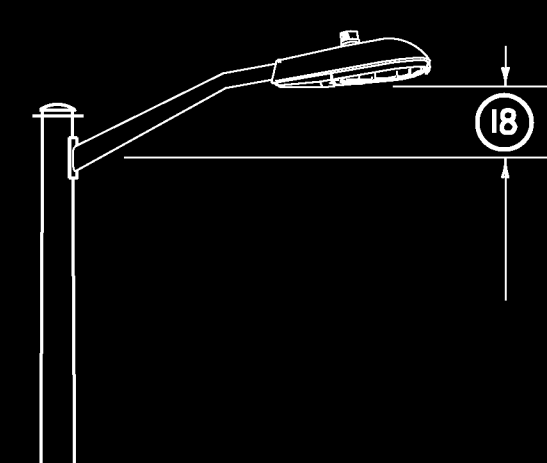
ANCHOR BOLT DETAIL



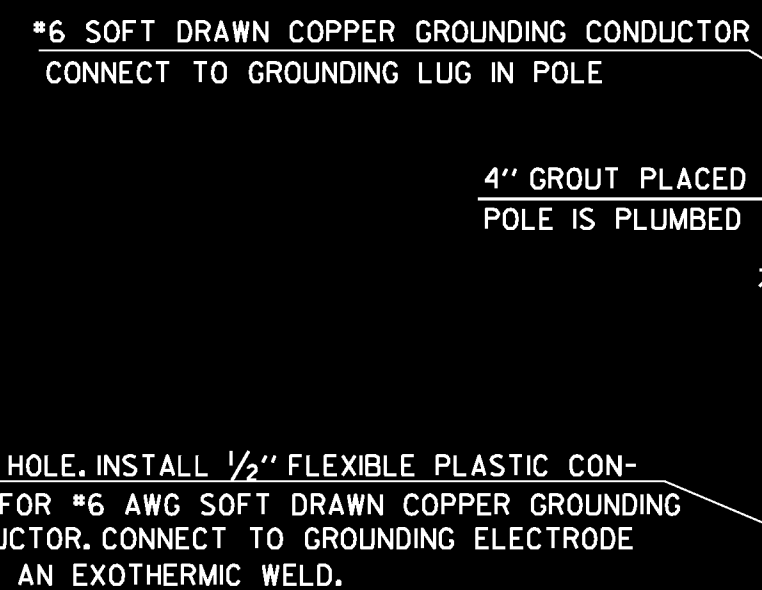
SECTION

CANTILEVER FOOTING DETAIL

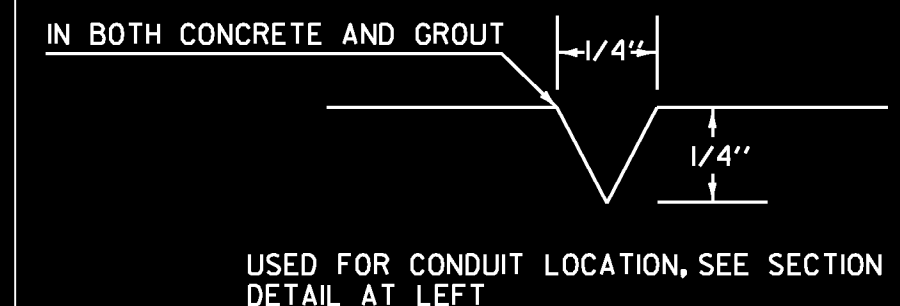
NOTE: BORINGS FOR THE MAST ARMS WERE PERFORMED ON THE SAME DAY IN FEBRUARY 2012. SUFFICIENT TIME WAS NOT GIVEN TO ALLOW FOR STABILIZATION OF THE GROUNDWATER TABLE. THE MAST ARM FOUNDATION DESIGN SHALL ASSUME GROUNDWATER IS AT THE GROUND SURFACE. REFER TO THE GEOTECHNICAL OFFICE MEMORANDUM DATED FEBRUARY 29TH 2012 AND THE ADDENDUM DATED FEBRUARY 7TH 2013 FOR ADDITIONAL REQUIREMENTS.



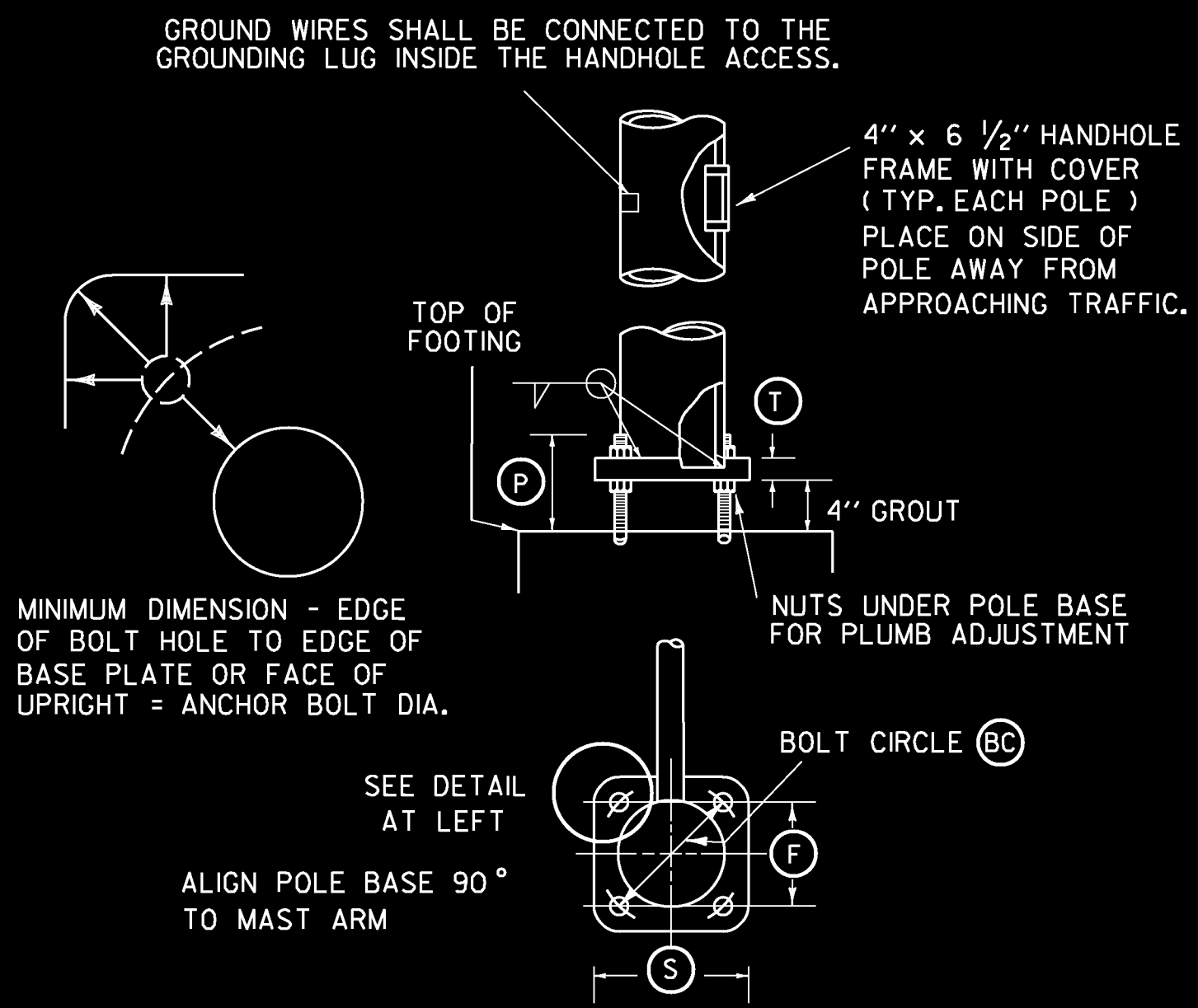
LUMINAIRE ARM RISE



ELEVATION



2" SCORE MARK DETAIL



POLE BASE AND BASE PLATE DETAIL

SEE TRAFFIC SIGNAL DETAIL SHEETS 2 AND 3 FOR CROSS SECTIONS

		POLE DATA						ARM DATA						LIGHTING DATA						FOOTING DATA		BASE PLATE / BOLT DATA					
POLE	TYPE	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑳	㉟	F	S	T	P	ANCHOR BOLT SIZE
MP1A	A	20'	18'	TBDM	TBDM	TBDM	TBDM	15'	17'	3%	5%	TBDM	TBDM	TBDM	N/A	N/A	N/A	N/A	N/A	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM
MP1B	A	20'	18'	TBDM	TBDM	TBDM	TBDM	15'	17'	3%	5%	TBDM	TBDM	TBDM	N/A	N/A	N/A	N/A	N/A	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM
MP1C	A	20'	18'	TBDM	TBDM	TBDM	TBDM	15'	17'	3%	5%	TBDM	TBDM	TBDM	N/A	N/A	N/A	N/A	N/A	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM
MP2A	B	28'-6"	18'	TBDM	TBDM	TBDM	TBDM	20'	17'	3%	5%	TBDM	TBDM	TBDM	10'	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM
MP2B	B	28'-6"	18'	TBDM	TBDM	TBDM	TBDM	20'	17'	3%	5%	TBDM	TBDM	TBDM	10'	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM
MP2C	B	28'-6"	18'	TBDM	TBDM	TBDM	TBDM	25'	17'	3%	5%	TBDM	TBDM	TBDM	10'	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM
MP2D	B	28'-6"	18'	TBDM	TBDM	TBDM	TBDM	30'	17'	3%	5%	TBDM	TBDM	TBDM	10'	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM	TBDM

TBDM = TO BE DETERMINED BY MANUFACTURER

NOTE: DETAILS NOT TO SCALE

PROJECT NAME: RICHMOND
PROJECT NUMBER: STP 0284 (17)

FILE NAME: z97clB6trfbd2.dgn
PROJECT LEADER: JEFFREY MAXTUTIS
DESIGNED BY: J. SOBEL
SIGNAL MAST ARM DETAIL SHEET

PLOT DATE: 4/29/2013
DRAWN BY: Y.CAO/LALMY
CHECKED BY: D.FLYNN
SHEET 74 OF 133