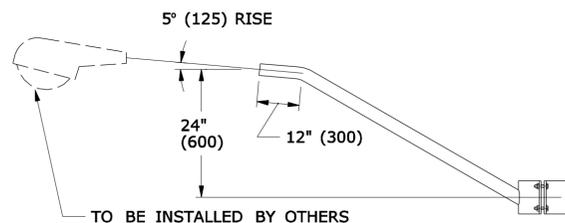


TYPICAL TRUSS LUMINAIRE ARM

12' to 16' (3600 to 5000) 2" (50) SCH 40
 20' to 30' (6000 to 9000) 2 1/2" (63) SCH 40

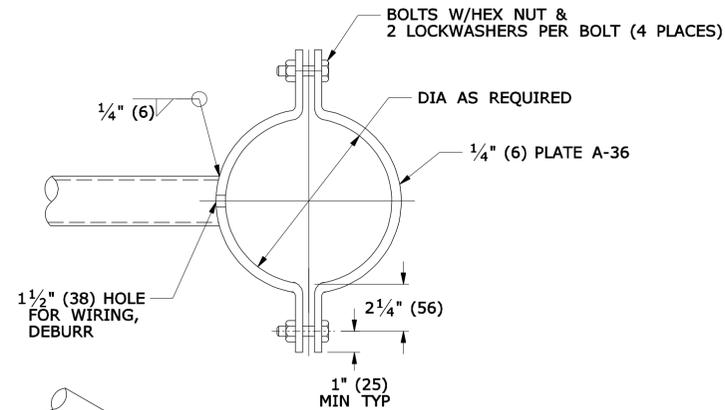


TYPICAL SINGLE LUMINAIRE ARM

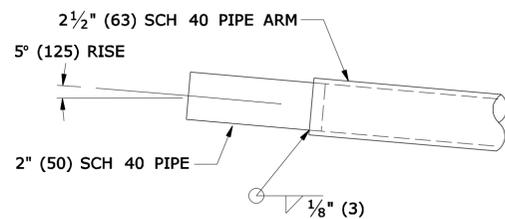
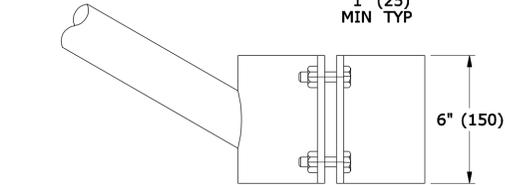
4' to 10' (1200 to 3000) 2" (50) SCH 40

ARM CLAMP DETAIL MATERIAL SPEC'S

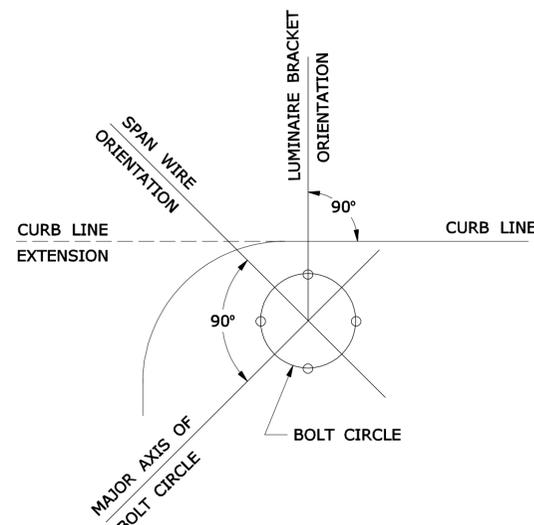
CLAMP PLATE	ASTM A36
BOLTS & NUTS	ASTM A325
PIPE	ASTM A36
BAR	ASTM A36



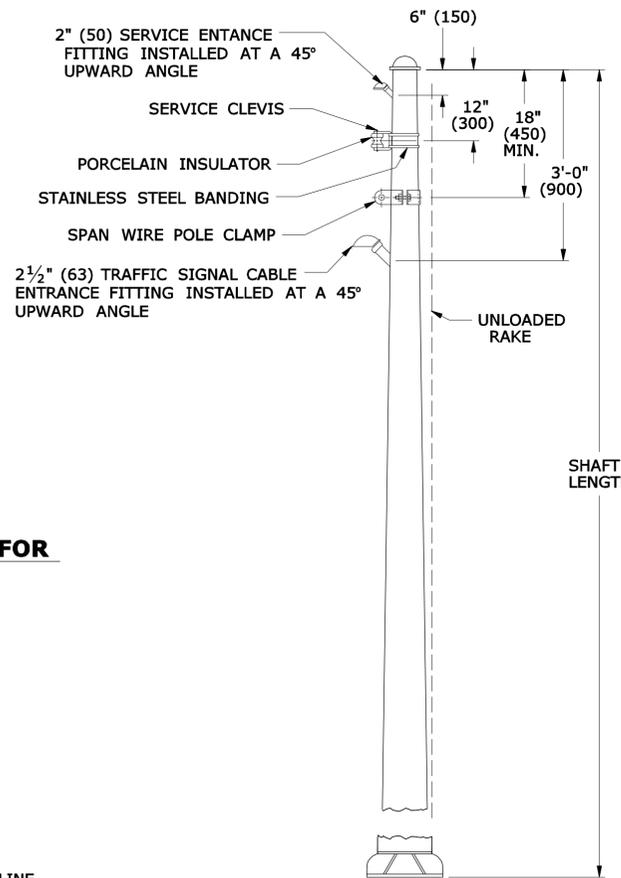
ARM CLAMP DETAIL



REDUCING TENON EXTENSION FOR FOR 2 1/2" (64) ARMS

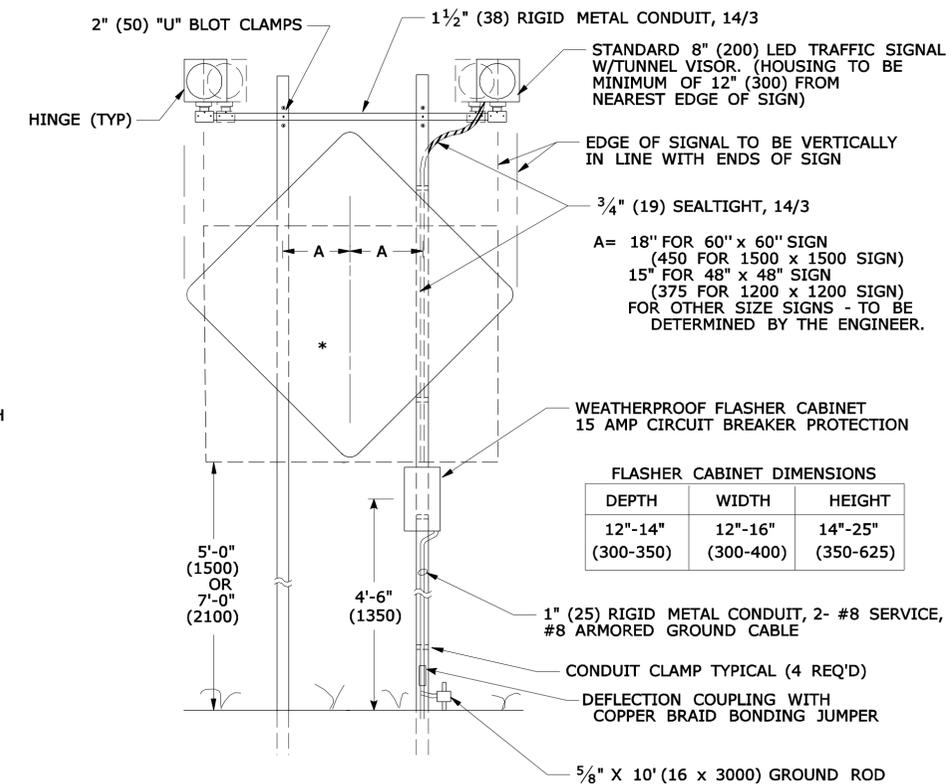
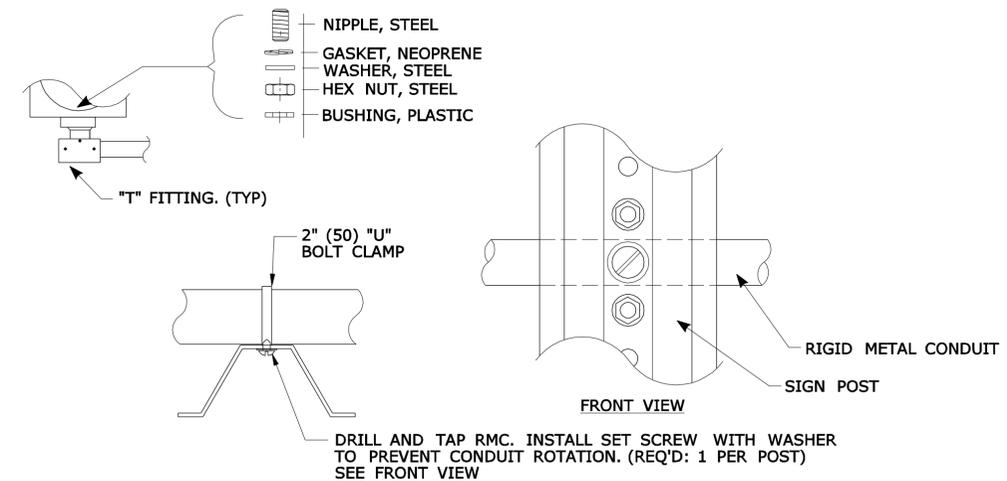


STEEL SPAN POLE ORIENTATION DETAIL



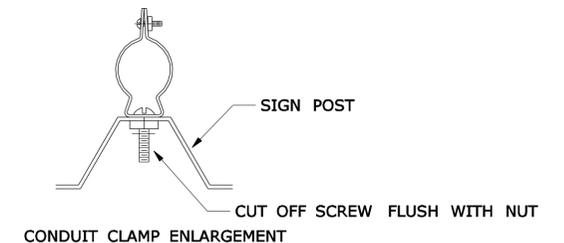
TYPICAL STEEL SPAN POLE

- RAKE UNLOADED SPAN POLE IN ACCORDANCE WITH STANDARD SPECIFICATIONS, SECTION 11.03.03 - CONSTRUCTION METHODS.
- WHEN THERE IS MORE THAN ONE SPAN ATTACHMENT, THE RESULTANT VECTOR MUST BE SQUARE TO THE BOLTS.
- TWO BOLTS IN COMPRESSION, TWO BOLTS IN TENSION.
- FOUNDATIONS INSTALLED WITH GREATER THAN 9° ERROR ON BOLT CIRCLE AXIS FROM SPAN WIRE ORIENTATION, WILL NOT BE ACCEPTED.
- EACH SPAN ATTACHMENT SHALL USE A SEPARATE SPAN CLAMP.



TYPICAL ALTERNATE FLASHING SIGNALS FOR WARNING SIGNS

* TYPICAL WARNING SIGN A CLEAR PATH NOT LESS THAN 3' (900) SHALL BE PROVIDED IN SIDEWALK AREAS FOR HANDICAP ACCESS.



SHAFT SIZE				
LENGTH	LOAD AT YIELD *	STRINGING TENSION	MAXIMUM DEFLECTION AT STRINGING TENSION	BOLT CIRCLE
26'	6100 lbs.	2440 lbs.	9.0"	20"
28'	6100 lbs.	2440 lbs.	9.0"	20"
30'	7800 lbs.	3120 lbs.	9.6"	20"
32'	10,000 lbs.	4000 lbs.	10.3"	22"
34'	11,200 lbs.	4480 lbs.	10.9"	22"

* 18" FROM TOP OF POLE

SHAFT SIZE				
LENGTH	LOAD AT YIELD *	STRINGING TENSION	MAXIMUM DEFLECTION AT STRINGING TENSION	BOLT CIRCLE
8.0 m	27 150 N	10 860 N	230	510
8.5 m	27 150 N	10 860 N	230	510
9.0 m	34 710 N	13 890 N	240	510
9.5 m	44 500 N	17 800 N	260	560
10.0 m	46 700 N	18 670 N	260	560
10.5 m	49 840 N	19 940 N	280	560

* 460 FROM TOP OF POLE

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:
 PROPOSED STEEL SPAN POLE
 EXISTING STEEL SPAN POLE
 WARNING SIGN WITH FLASHERS & CABINET

DIMENSIONS ARE IN ENGLISH ("AND ") AND METRIC UNITS (mm). METRIC CONVERSIONS OVER 1" ROUNDED TO NEAREST 5 mm - UNDER 1" TO NEAREST 1 mm.

DESIGNER/DRAFTER:
 D.K. SWINBURNE
 CHECKED BY:
 R.M. WATERMAN



SIGNATURE/
 BLOCK:
OFFICE OF ENGINEERING
 SUBMITTED BY:
 M.J. GARVIE
 APPROVED BY: DATE:
 R.S. TWORKOWSKI 1-31-07

PROJECT TITLE:

TOWN:

PROJECT NO.

DRAWING NO.

DRAWING TITLE:
 TYPICAL INSTALLATION DETAILS
 STEEL SPAN POLE & FLASHING
 SIGNAL FOR WARNING SIGN

SHEET NO. 14