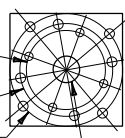


NOTE: ARM 1 & 2 - ANY COMBINATION OF CLASS 1, 2 OR 3

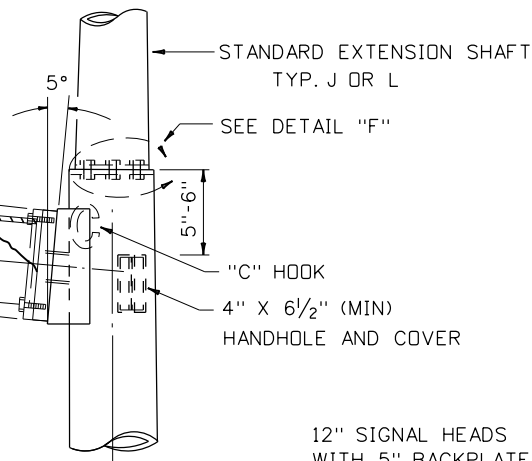
MULTIPLE SIGNAL ARM ATTACHMENT CONCEPT

6 ea. -1/4"-7 (CLASS 1), AND
6 ea. -1/2" -6 (CLASS 2 AND 3)
HEX HEAD CAP SCREWS TO BE
FURNISHED WITH THE MAIN SHAFT.
ALL TAPPED HOLES IN THE SIGNAL
ARM CONNECTION SHALL BE SEALED
WITH A REMOVABLE THREADED PLUG.

TAPPED PLATE
12" B.C. (DESIGN LOAD CLASS 1)
14" B.C. (DESIGN LOAD CLASS 2)
17" B.C. (DESIGN LOAD CLASS 3)



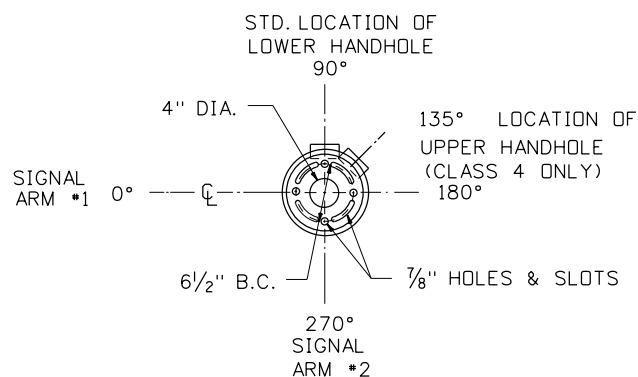
4" DIA. - ROUND OR CHASE
EDGES FOR WIRE PROTECTION



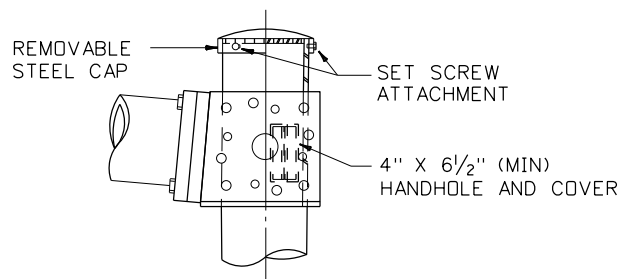
**SIGNAL ARM CONNECTION
DETAIL "E"**

NOTE:
CLEAN ALL THREADS AND SEAT
ALL BOLTS PRIOR TO ASSEMBLY.

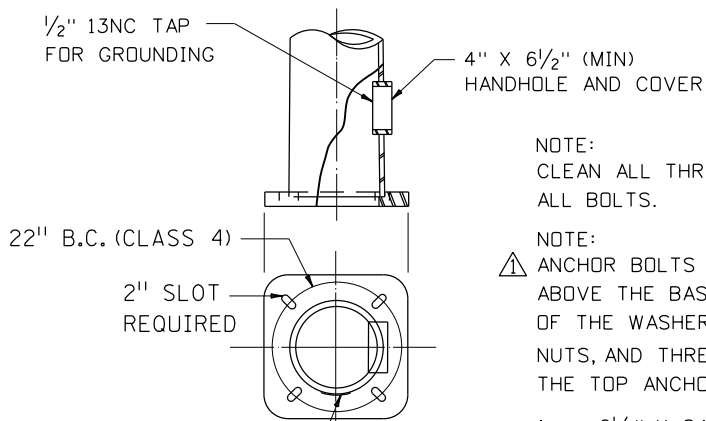
NOTE: HEAD CONFIGURATION AND DIMENSIONS
SHOWN FOR MAXIMUM LOADING, SEE PLANS
FOR ACTUAL SIGN AND SIGNAL PLACEMENT.



DETAIL "F" TOP VIEW



STEEL CAP AND HANDHOLE DETAIL

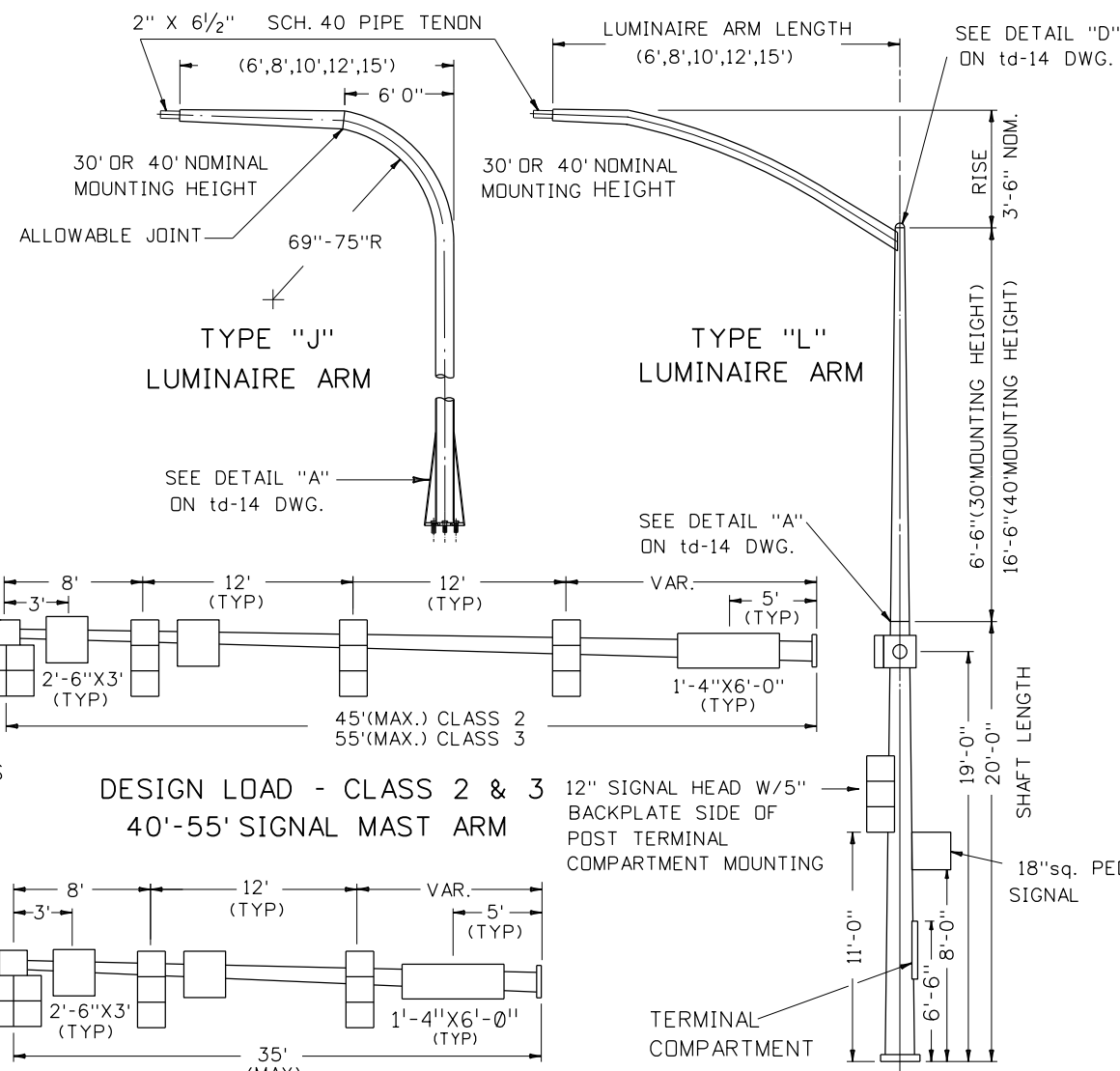


BASE DETAIL

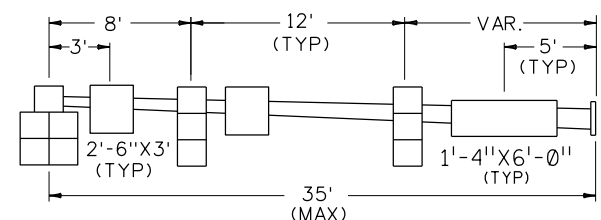
NOTE:
CLEAN ALL THREADS AND SEAT
ALL BOLTS.

NOTE:
ANCHOR BOLTS SHALL PROJECT
ABOVE THE BASE PLATE THE HEIGHT
OF THE WASHER, TWO ANCHOR BOLT
NUTS, AND THREE THREADS (ABOVE
THE TOP ANCHOR BOLT NUTS).

4 ea. 2 1/4" X 84" X 6" ANCHOR BOLTS
WITH EIGHT GALV. WASHERS AND
TWELVE HEX NUTS, TO BE FURNISHED
WITH MAIN SHAFT.



**DESIGN LOAD - CLASS 2 & 3
40'-55' SIGNAL MAST ARM**



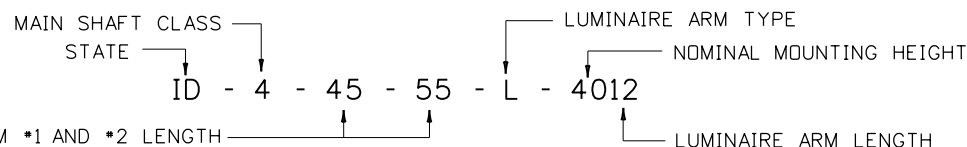
**DESIGN LOAD - CLASS 1
20'-35' SIGNAL MAST ARM**

* NOTE:
THE FOLLOWING IDENTIFICATION INFORMATION
SHALL BE PERMANENTLY SHOWN ON
APPROPRIATE COMPONENTS:
MANUFACTURER AND PRODUCTION DATE,
MAIN SHAFT - (CLASS),
SIGNAL ARM - (LENGTH),
LUMINAIRE EXTENSION - (TYPE & M. H.),
LUMINAIRE ARM - (LENGTH),

LUMINAIRE ARM		
EXTENSION TYPE	MOUNTING HEIGHT	ARM LENGTH
L OR J	30'	6'
	40'	8'
		10'
		12'
		15'

SIGNAL POLE	
MAIN SHAFT	SIGNAL ARM LENGTH
CLASS 4	20'
	25'
	30'
	35'
	40'
	45'
	50'
55'	

**POLE ASSEMBLY
IDENTIFICATION PROCEDURE**



GENERAL NOTES:

- THESE STRUCTURES SHALL CONFORM TO THE LATEST REVISION TO THE 1994 AASHTO SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS. WITH 80 M.P. WIND LOADING. MAXIMUM ALLOWABLE OVERSTRESS SHALL BE 120% FOR GROUPS 2 AND 3.
- CLASS 1 LOADS FOR A 20 FT. MAST ARM SHALL BE BASED ON A 3 SECTION SIGNAL HEAD.

- CLASS 4 IS ANY COMBINATION OF CLASS 1, 2 OR 3 DESIGN LOAD ON ARMS 1 AND 2.
- DESIGN LOADS SHALL BE BASED ON 12" POLYCARBONATE SIGNAL HEADS WITH 5" BACKPLATES AND STRAP ON BRACKET MOUNTING.

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	09-07	HEB	ADDED TERMINAL COMPARTMENT
2	09-09	HEB	REMOVED 20' LUMINAIRE MAST ARM

DESIGNED	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	
DETAILED	CADD FILE NAME td15_0909.dgn
DRAWING CHECKED	DRAWING DATE: March, 1997

IDAHO TRANSPORTATION DEPARTMENT

PROJECT NO. td-15

DUAL MAST ARM POLES: CLASS 4 LUMINAIRE ARMS AND EXTENSION REQUIRES td-14a & td14b
STANDARD MASTARM TRAFFIC SIGNAL POLES

English
COUNTY
KEY NUMBER
SHEET OF

NOT APPROVED
PRELIMINARY
FOR CONSTRUCTION