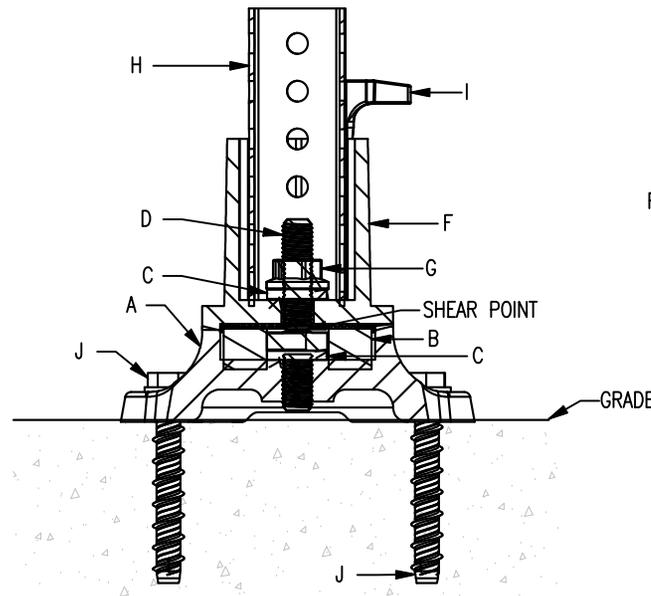
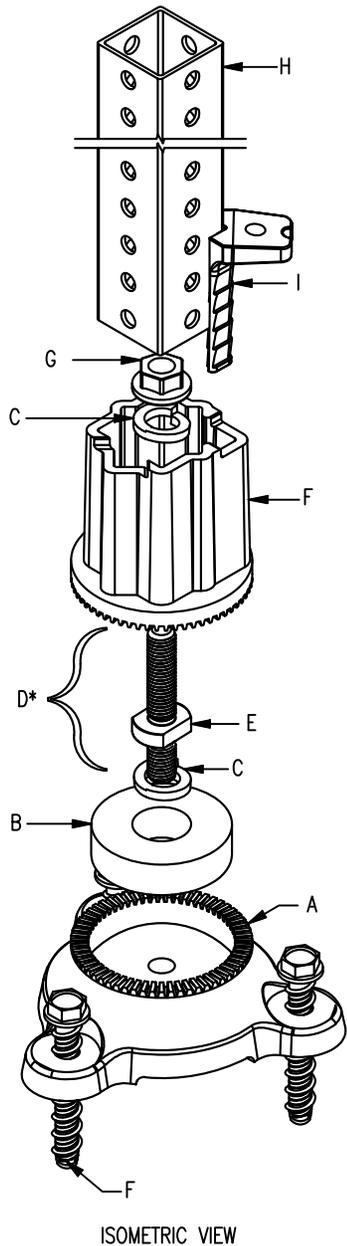


TRANSPORTATION DETAILS

- T-1 TYPICAL PARKING METER INSTALLATION(REMOVED)
- T-2 SIGN AND BREAKAWAY MOUNT INSTALLATION
- T-3 STREET NAME SIGN FOOTING DETAIL
- T-4 E-250 INSTALLATION
- T-5 E-450 INSTALLATION
- T-6 E-650 INSTALLATION



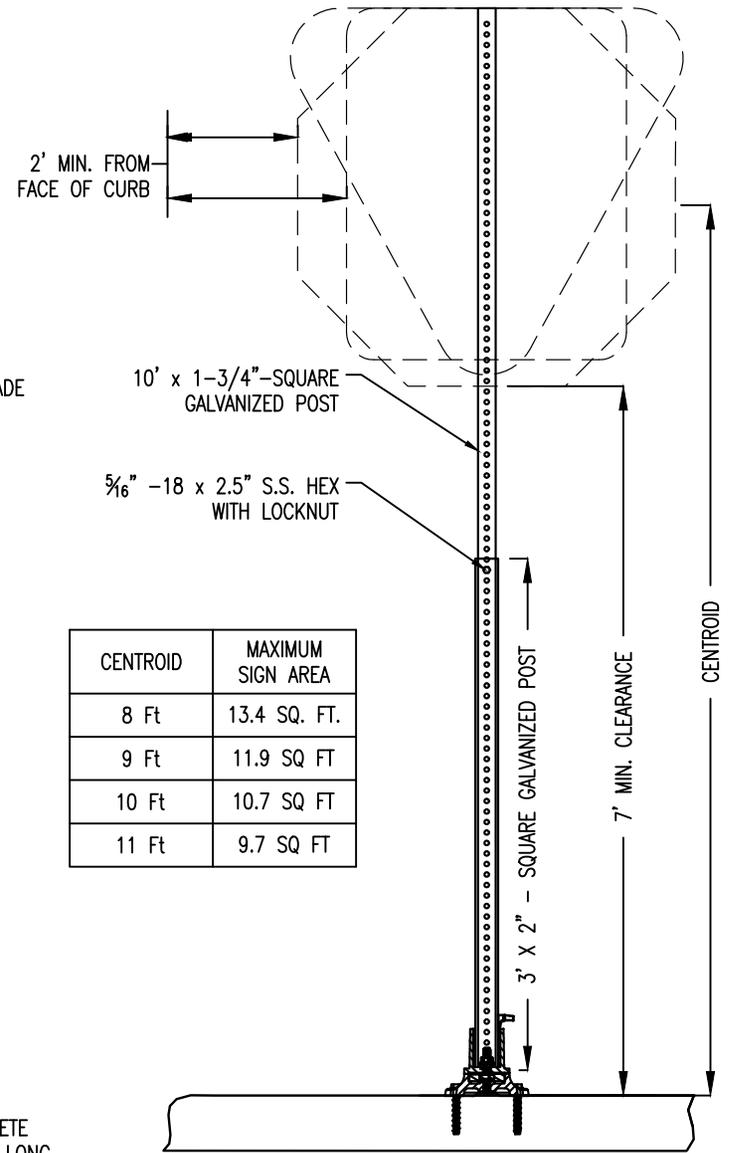
PARTS LIST

- A. SURFACE MOUNT ANCHOR BASE
- B. RUBBER BUSHING
- C. LOCK WASHER
- D. 5/8"-11 X 4" SHEAR BOLT
- E. SHOULDER
- F. TOP HALF COUPLER
- G. 5/8"-11 SERRATED FLANGE NUT
- H. SIGN SUPPORT 2"x 2" (12 GAUGE)
- I. SIGN SUPPORT LOCKING WEDGE
- J. 1/2" X 4" CONCRETE ANCHOR BOLT. (SEE NOTE BELOW)

* PRIOR TO THREADING THE SHEAR BOLT INTO ANCHOR BASE. AN ANTI-SIEZE COMPOUND SHALL BE GENEROUSLY APPLIED TO THE SHEAR BOLT AND BASE THREADS.

NOTE:

SURFACE MOUNTED UNIT SHALL BE ATTACHED WITH NO LESS THAN (3) CONCRETE ANCHORS WITH A MINIMUM DIAMETER OF 1/2" AND A MINIMUM LENGTH OF 4" LONG. THE EMBEDDED DEPTH SHALL BE A MINIMUM OF 3-5/8". THE ALLOWABLE TENSION LOAD SHALL BE 2,270 LBS WHEN INSTALLED IN NORMAL WEIGHT, 3,000 PSI CONCRETE.

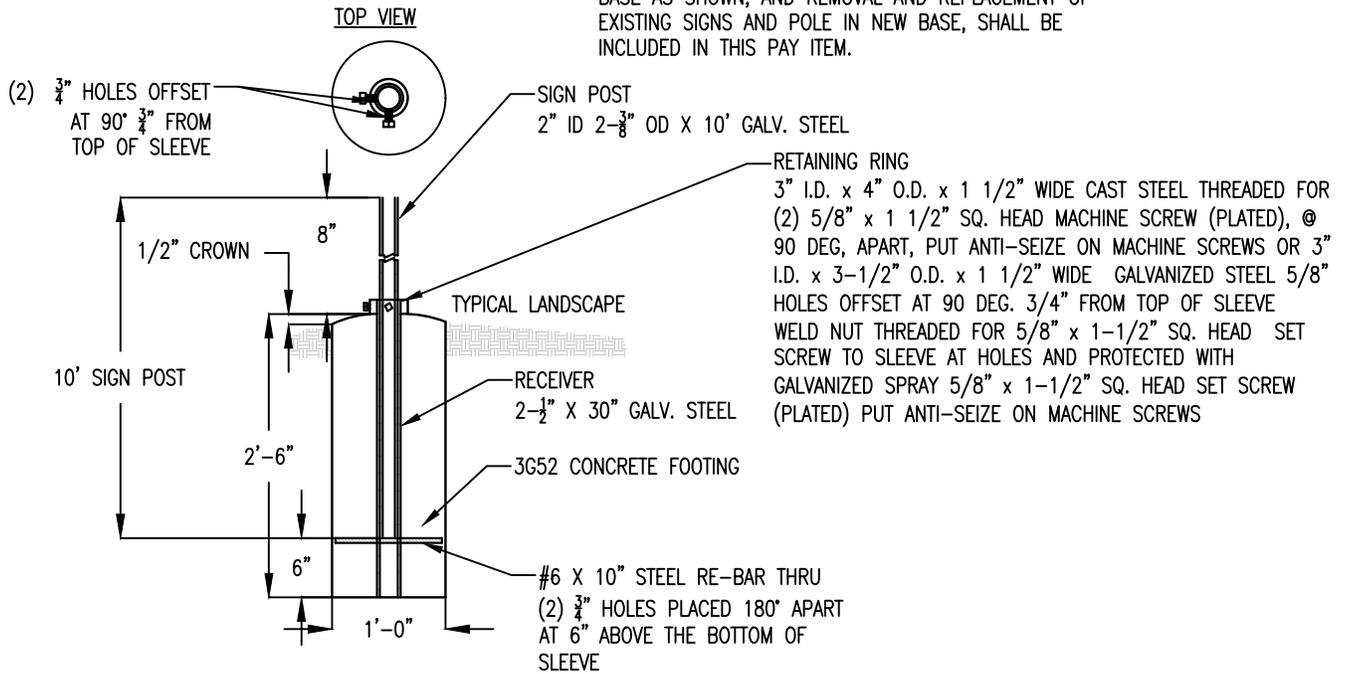


CENTROID	MAXIMUM SIGN AREA
8 Ft	13.4 SQ. FT.
9 Ft	11.9 SQ FT
10 Ft	10.7 SQ FT
11 Ft	9.7 SQ FT

SIGN & BREAKAWAY MOUNT INSTALLATION

T-2

ALL MATERIALS AND LABOR USED TO CONSTRUCT SIGN BASE AS SHOWN, AND REMOVAL AND REPLACEMENT OF EXISTING SIGNS AND POLE IN NEW BASE, SHALL BE INCLUDED IN THIS PAY ITEM.



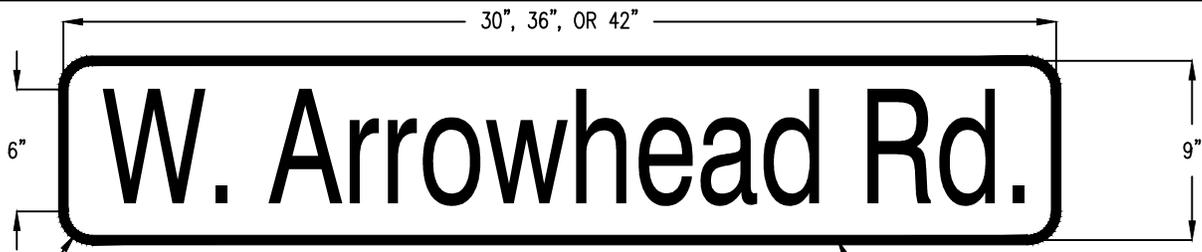
STREET NAME SIGN FOOTING DETAIL

T-3

REVISED/APPROVED 02/25/2026

CITY OF DULUTH STANDARD DETAIL
DEPT. OF PUBLIC WORKS AND UTILITIES

NO SCALE



R=1.5" (TYP)

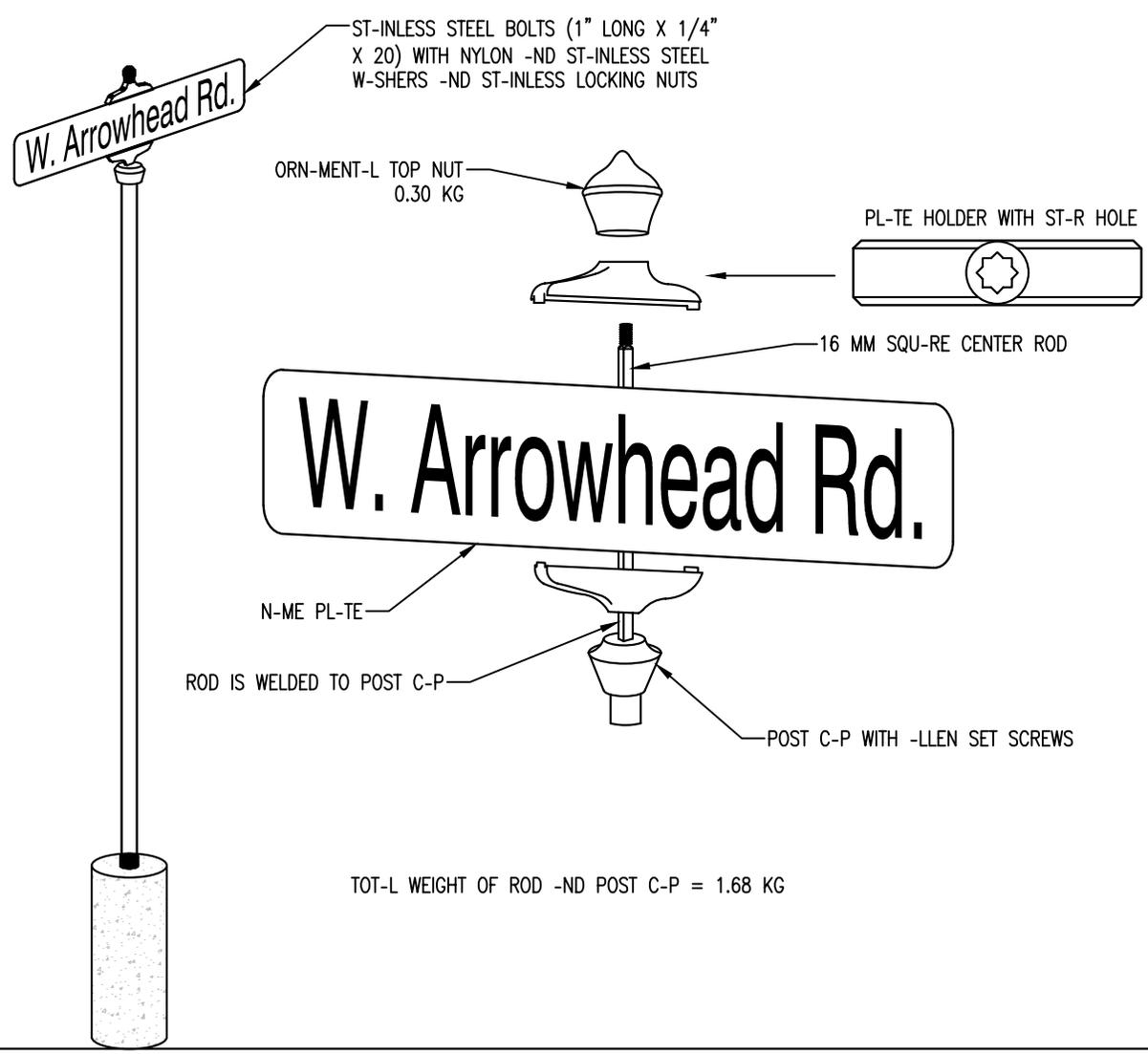
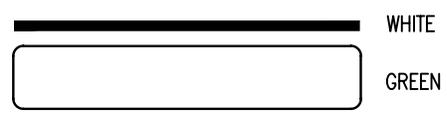
TYPIC-L STREET N-NE SIGN
TYPE D

WHITE BORDER

NOTES:

- LETTERS -ND NUMBERS SH-LL BE SERIES "C" 6" UPPER -ND LOWER C-SE
- WHITE BORDER SH-LL BE $\frac{3}{8}$ "

LEGEND



ROD IS WELDED TO POST C-P

TOT-L WEIGHT OF ROD -ND POST C-P = 1.68 KG

E-250 INSTALLATION		T-4
REVISED/-PPROVED 02/25/2026	CITY OF DULUTH STAND-RD DETAIL DEPT. OF PUBLIC WORKS AND UTILITIES	NO SCALE



ORN-MENT-L TOP NUT 0.30 KG



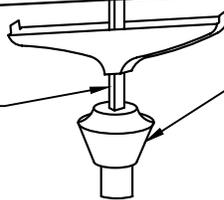
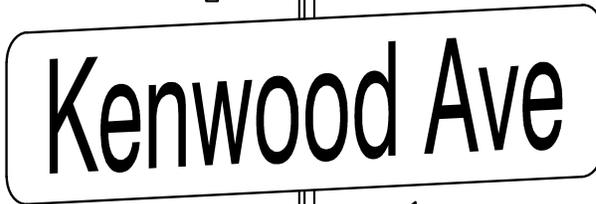
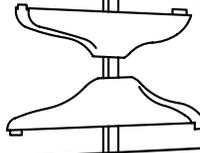
PL-TE HOLDER WITH ST-R HOLE



16 MM SQU-RE CENTER ROD



N-ME PL-TE



ROD IS WELDED TO POST C-P

POST C-P WITH -LLEN SET SCREWS

TOT-L WEIGHT OF ROD -ND POST C-P = 2.15 kg

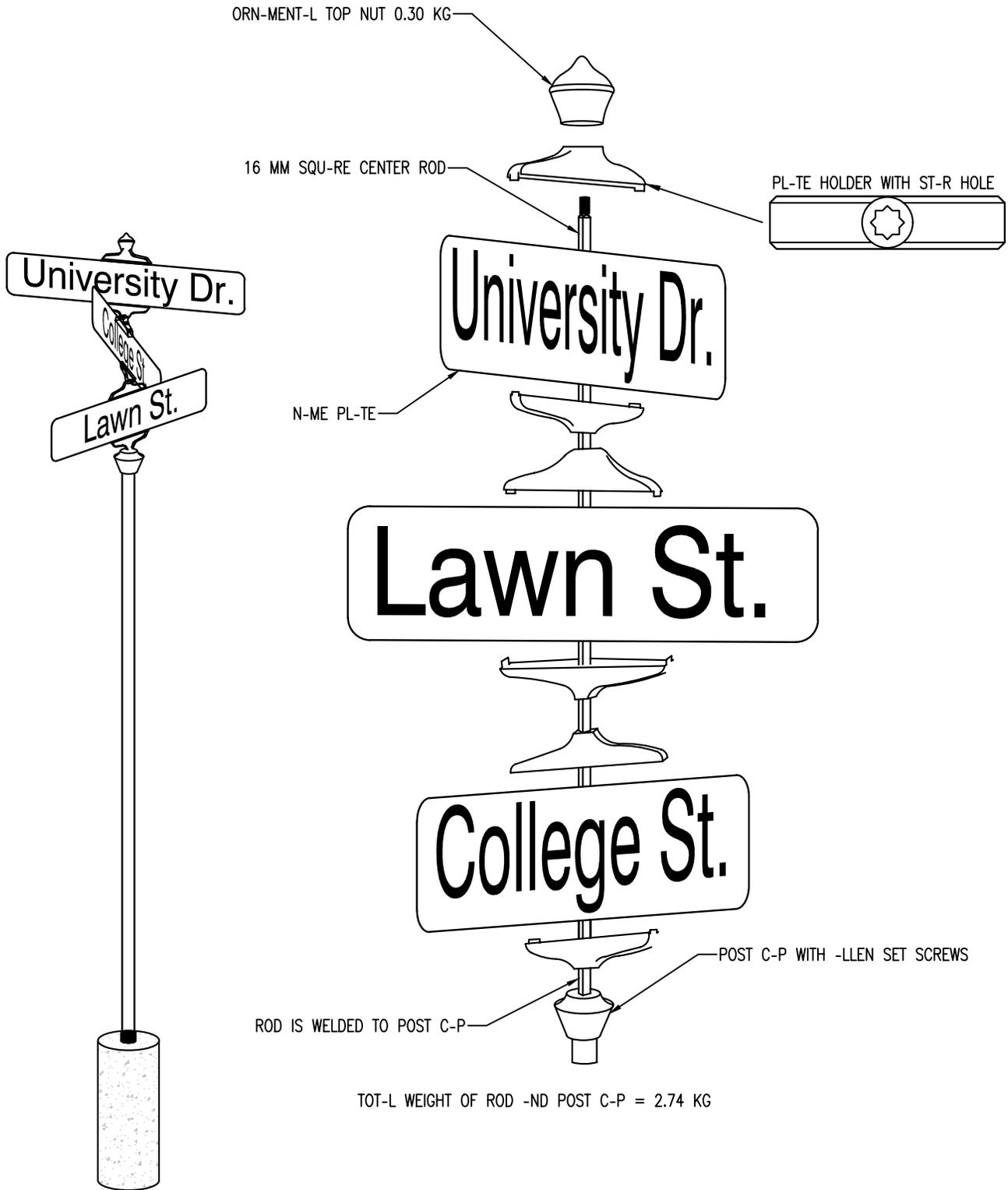
E-450 INSTALLATION

T-5

REVISED/-PPROVED 02/25/2026

CITY OF DULUTH STAND-RD DETAIL
DEPT. OF PUBLIC WORKS AND UTILITIES

NO SCALE



E-650 INSTALLATION

T-6

REVISED/-PPROVED 02/25/2026

CITY OF DULUTH STAND-RD DETAIL
DEPT. OF PUBLIC WORKS AND UTILITIES

NO SCALE