TRANSPORTATION DETAILS

T-1  TYPICAL PARKING METER INSTALLATION
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
INSTALLED CROSS SECTION VIEW

PARTS LIST
A. SURFACE MOUNT ANCHOR BASE
B. RUBBER BUSHING
C. LOCK WASHER
D. 1/2" - 11 X 4" SHEAR BOLT
E. SHOULDER
F. TOP HALF COUPLER
G. 3/8" - 11 SERRATED FLANGE NUT
H. SIGN SUPPORT 2" X 2" (12 GAUGE)
I. SIGN SUPPORT LOCKING WEDGE
J. 3/8" X 4" CONCRETE ANCHOR BOLT. (SEE NOTE BELOW)

* PRIOR TO THREADING THE SHEAR BOLT INTO ANCHOR BASE AN ANTI-SIEZE COMPOUND SHALL BE GENTLELY 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 3/8" 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.
(2) \( \frac{3}{8} \)" HOLES OFFSET AT 90° \( \frac{3}{8} \)" FROM TOP OF SLEEVE

TOP VIEW

SIGN POST
2" ID 2-\( \frac{3}{8} \)" OD X 10' GALV. STEEL

RETAINING RING
3" I.D. X 4" O.D. X 1 1/2" WIDE CAST STEEL THREADED FOR (2) 5/8" X 1 1/2" SQ. HEAD MACHINE SCREW (PLATED), @ 90 DEG. APART, PUT ANTI-SEIZE ON MACHINE SCREWS OR 3" I.D. X 3-1/2" O.D. X 1 1/2" WIDE GALVANIZED STEEL 5/8" HOLES OFFSET AT 90 DEG. 3/4" FROM TOP OF SLEEVE WELD NUT THREADED FOR 5/8" X 1-1/2" SQ. HEAD SET SCREW TO SLEEVE AT HOLES AND PROTECTED WITH GALVANIZED SPRAY 5/8" X 1-1/2" SQ. HEAD SET SCREW (PLATED) PUT ANTI-SEIZE ON MACHINE SCREWS

1/2" CROWN
8"

10' SIGN POST

2'-6"

6"

1'-0"

3G52 CONCRETE FOOTING

#6 X 10" STEEL RE-BAR THRU

(2) \( \frac{3}{8} \)" HOLES PLACED 180° APART AT 6" ABOVE THE BOTTOM OF SLEEVE

SPEC. 2564.602, REMOVE AND REINSTALL SIGN, EACH

STREET NAME SIGN FOOTING DETAIL

REVISED/APPROVED 01/20/2017
CITY OF DULUTH STANDARD DETAIL
DEPT. OF PUBLIC WORKS AND UTILITIES
T-3
NO SCALE
TYPICAL STREET NAME SIGN
TYPE D

NOTES:
- LETTERS AND NUMBERS SHALL BE SERIES 5C 6" UPPER AND LOWER CASE
- WHITE BORDER SHALL BE ½"

LEGEND

STAINLESS STEEL BOLTS (1" LONG X ¼"
X 20) WITH NYLON AND STAINLESS STEEL
WASHERS AND STAINLESS LOCKING NUTS

ORNAMENTAL TOP NUT
0.30 KG

PLATE HOLDER WITH STAR HOLE

16 MM SQUARE CENTER ROD

NAME PLATE

ROD IS WELDED TO POST CAP

POST CAP WITH ALLEN SET SCREWS

TOTAL WEIGHT OF ROD AND POST CAP = 1.68 KG

NOTE: SEE ASSEMBLY SPECIFICATIONS (2564)
University Dr.
Lawn St.
College St.

TOTAL WEIGHT OF ROD AND POST CAP = 2.74 KG

NOTE: SEE ASSEMBLY SPECIFICATIONS (S-28)