GENERAL NOTES:

1. Physical fit of the sign must be verified. The edges of the street name sign shall not be within 6" of other signs or the mast arm connection flanges.
2. Equal spaces top and bottom.
3. The top of the street name sign shall be leveled.
4. Extruded Beams are to be set at an angle perpendicular to the mast arm.
5. Material for extruded beam shall be ASTM B 221 6061–T6 Aluminum.
6. Material for ¾" Band shall be ¾" wide, 0.03" thick, and ASTM A 666, Type 201 Stainless Steel.
7. Material for the Sign Bracket, Universal Channel Clamp, and buckle shall be ASTM A 666, Type 201 Stainless Steel.
8. Existing signal poles must be analyzed to verify that the pole and foundation can support the new street name sign loading. See TM650 for allowable street name sizes on new installations.

Extruded Beam, Typ. See Detail

Back of Sheet Aluminum Street Name Sign

5° or 3° Mast Arm Angle

See Note 2

"X" 3" Min. — "Y" — "Y" — "Y" — "X" 3" Min.
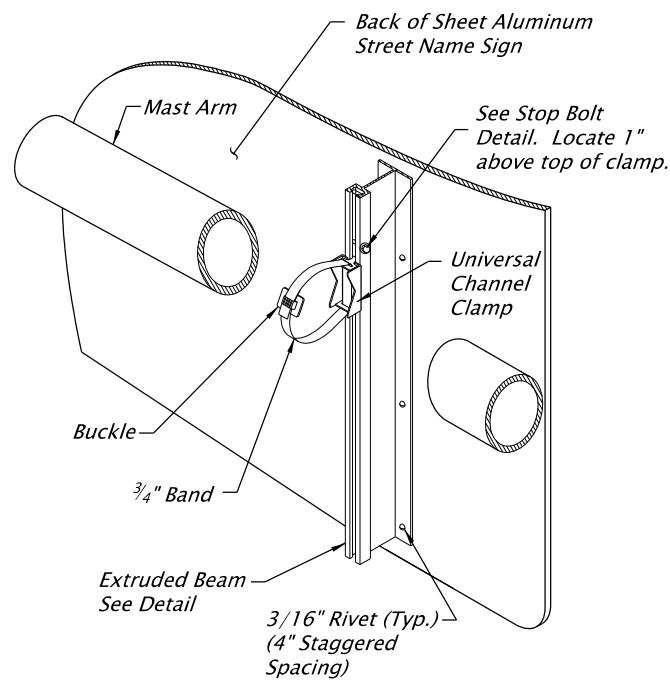
Sign Length "L"

"Z"

See Note 2

Mast Arm Street Name Mount Requirements

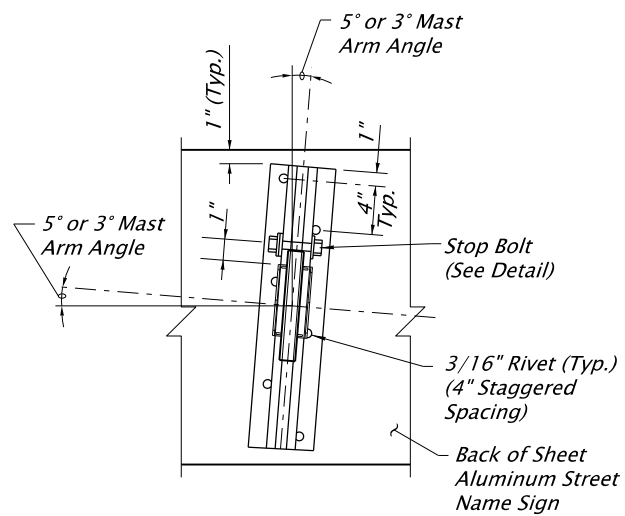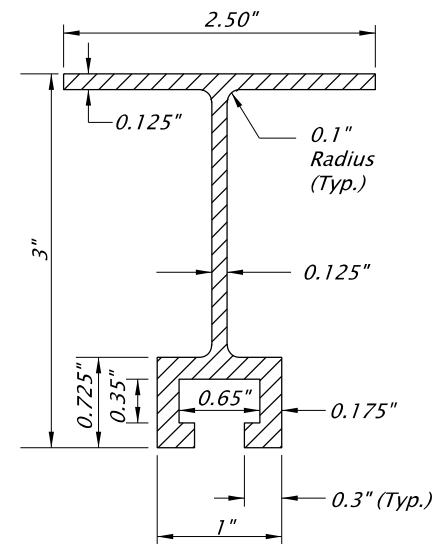| Sign Length "L"	Maximum Sign Height "Z"	Maximum Edge Distance "X"	Maximum Support Spacing "Y"	Number of Extruded Beam Locations
"L" Less than or Equal to 4'-0"	30"	"L"/4	"L"/2	2
"L" Greater than > 4'-0" and "L" less than or Equal to 8'-0"	30"	1'-0"	3'-0"	3
"L" Greater than > 8'-0" and "L" less than or Equal to 10'-0"	21"	1'-0"	2'-8"	4
"L" Greater than > 10'-0" and "L" less than or Equal to 12'-0"	21"	1'-0"	2'-6"	5

MAST ARM STREET NAME SIGN MOUNT

No Scale

EXTRUDED BEAM DETAIL

2.50"
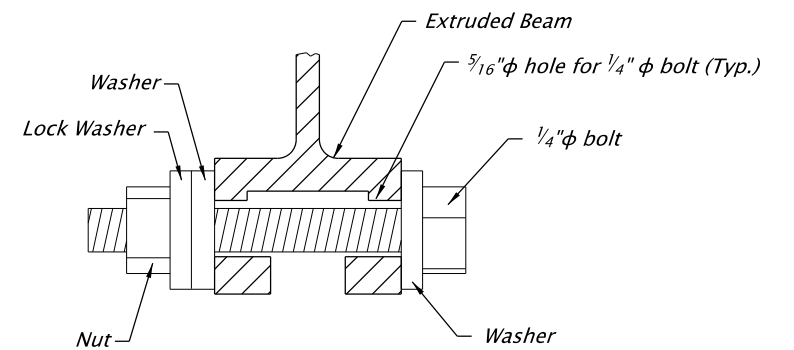0.125"
3"
0.1" Radius (Typ.)
0.125"
0.725"
0.35"
0.65"
0.175"
1"
0.3" (Typ.)

No Scale

Washer
Lock Washer
Nut
Extruded Beam
5/16"φ hole for ¼" φ bolt (Typ.)
¼"φ bolt
Washer

1. All hardware to be Type 316 Stainless Steel.
2. Locate 1" above the top of the Universal Channel Clamp.

STOP BOLT DETAIL

No Scale

TYPICAL MAST ARM INSTALLATION

Back of Sheet Aluminum Street Name Sign
Mast Arm
See Stop Bolt Detail. Locate 1" above top of clamp.
Universal Channel Clamp
Buckle
¾" Band
Extruded Beam See Detail
3/16" Rivet (Typ.) (4" Staggered Spacing)

No Scale

DETAIL A

5° or 3° Mast Arm Angle
1" (Typ.)
1"
1"
4" Typ.
Stop Bolt (See Detail)
5° or 3° Mast Arm Angle
3/16" Rivet (Typ.) (4" Staggered Spacing)
Back of Sheet Aluminum Street Name Sign

No Scale

DETAIL VIEW B

3/16" Rivet (Typ.) (4" Staggered Spacing)
Universal Channel Clamp
¾" Band
Buckle
Signal Mast Arm
Extruded Beam See Detail
Sheet Aluminum Street Name Sign

No Scale

OREGON STANDARD DRAWINGS

SIGNAL MAST ARM STREET NAME SIGN MOUNTS

2021

DATE	REVISION DESCRIPTION

CALC. BOOK NO. _N/A_

SDR DATE _06-JAN-2012_

TM679

Effective Date: June 1, 2023 – November 30, 2023