

TYPICAL SIGN SIZES:  
24" X 36"  
36" X 42"

TYPICAL SIGN SIZES:  
30" X 30"  
36" X 36"

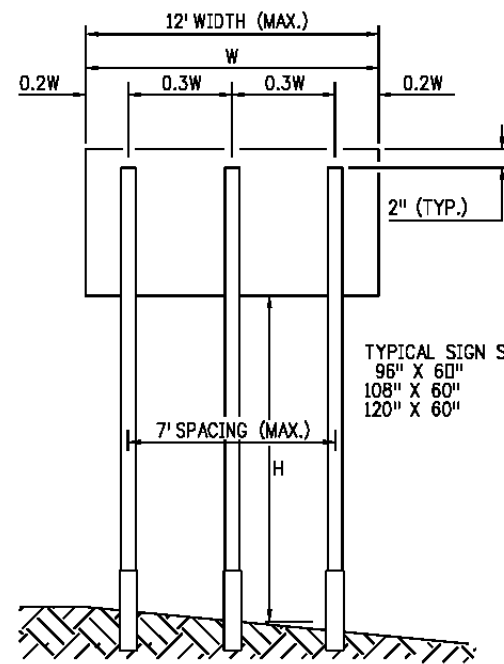
**● SIGN POST REQUIREMENTS**

POST TYPE	POST SIZE	MAX. CLEAR HEIGHT, H (FT.)	MAX. SIGN AREA (SF)
SQUARE TUBING	2.25" X 2.25" (12 GA.)	10	10.5
SQUARE TUBING	1.75" X 1.75" (12 GA.)	9	5
SQUARE TUBING	2.00" X 2.00" (12 GA.)	8	8
SQUARE TUBING	2.25" X 2.25" (12 GA.)	9	10.5
SQUARE TUBING	1.75" X 1.75" (12 GA.)	8	6
SQUARE TUBING	2.00" X 2.00" (12 GA.)	8	9
SQUARE TUBING	1.75" X 1.75" (12 GA.)	7	7
SQUARE TUBING	2.00" X 2.00" (12 GA.)	7	10

\* SINGLE POST SHALL BE PLACED IN THE CENTER OF THE SIGN

**SINGLE POST INSTALLATION**

(TOTAL SIGN AREA NOT TO EXCEED 10.5 SF)



**● SIGN POST REQUIREMENTS**

POST TYPE	POST SIZE	MAX. CLEAR HEIGHT, H (FT.)	MAX. SIGN AREA (SF)
△ U-CHANNEL	3 LB./FT.	11	36
△ SQUARE TUBING	2.50" X 2.50" (10 GA.)	9	45
△ SQUARE TUBING	2.50" X 2.50" (10 GA.)	7	50
○ SQUARE TUBING	2.50" X 2.50" (10 GA.)	11	36
○ SQUARE TUBING	2.50" X 2.50" (10 GA.)	9	45

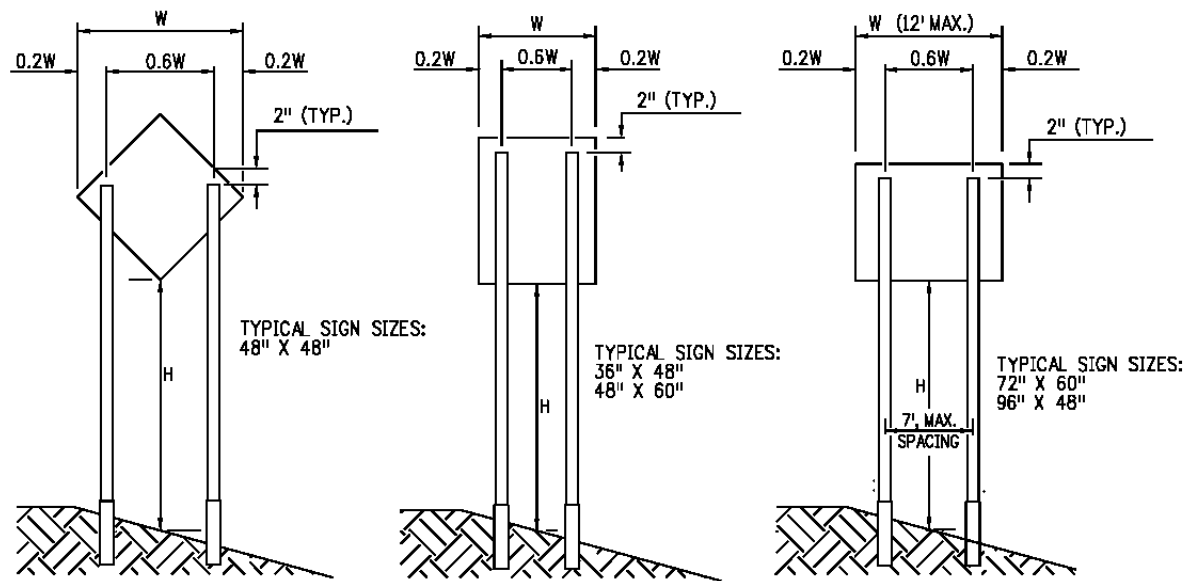
**TRIPLE POST INSTALLATION**

(TOTAL SIGN AREA NOT TO EXCEED 50 SF)

- GENERAL NOTES**
- ALL SQUARE TUBING SIGN POST REQUIREMENTS ARE BASED ON A 10 OR 12-GAUGE THICKNESS, ASTM A570 GRADE 50 STEEL, A MINIMUM YIELD STRENGTH OF 60,000 PSI AND A 70 MPH WIND LOAD. ALL U-CHANNEL SIGN POSTS REQUIREMENTS ARE BASED ON A MINIMUM YIELD STRENGTH OF 80,000 PSI AND 85 MPH WIND LOAD.
  - STEEL POSTS, BASE POSTS, AND SLIP BASES FOR ALUMINUM PANEL SIGNS SHALL BE SELECTED FROM THE CDDT APPROVED PRODUCT LIST.
  - BASE POSTS SHALL NOT EXTEND MORE THAN 4" ABOVE GROUND LEVEL AND SHALL BE OF THE SAME WEIGHT/GAUGE AND TYPE AS THE SIGN POST.
  - INTERMIXING OF U-CHANNEL AND SQUARE TUBING POSTS, POSTS OF DIFFERENT WEIGHTS/GAUGES OR PRODUCT BRANDS IS PROHIBITED.
  - SUPPLEMENTAL SIGNS SHALL NOT BE ATTACHED DIRECTLY TO PRIMARY PANELS.
  - SPACING BETWEEN SUPPLEMENTAL PANELS AND PRIMARY PANELS SHALL NOT EXCEED 6".
  - SIGN PANELS PLACED PARALLEL TO TRAFFIC SHALL BE MOUNTED ON A MULTI-DIRECTIONAL BREAKAWAY SYSTEM. (SEE STANDARD PLAN S-630-4, SHEET 2)
  - AN APPROVED SLIP BASE IS REQUIRED WITH THE DOUBLE POST AND TRIPLE POST INSTALLATION. (SEE STANDARD PLAN S-630-4, SHEET 2).
  - SEE MANUFACTURER'S DRAWINGS FOR SPECIFIC ASSEMBLY INFORMATION (POST-TO-BASE POST OVERLAP), INCLUDING TYPES OF NUTS, BOLTS, WASHERS, AND OTHER PARTS REQUIRED FOR PRODUCT USE.
  - LAP-SPLICE OR MULTI-DIRECTIONAL SLIP BASE MAY BE USED. SEE STANDARD PLAN S-630-4, SHEET 2.

**LEGEND**

- SEE GENERAL NOTE 1.
- ▲ SEE GENERAL NOTE 4.
- △ SEE GENERAL NOTE 8.
- SEE GENERAL NOTE 9.
- SEE GENERAL NOTE 10.



TYPICAL SIGN SIZES:  
48" X 48"

TYPICAL SIGN SIZES:  
36" X 48"  
48" X 60"

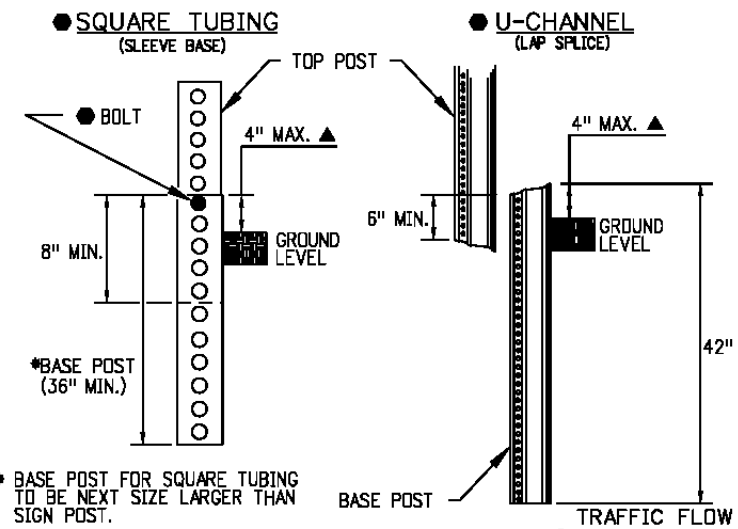
TYPICAL SIGN SIZES:  
72" X 60"  
96" X 48"

**● SIGN POST REQUIREMENTS**

POST TYPE	POST SIZE	MAX. CLEAR HEIGHT, H (FT.)	MAX. SIGN AREA (SF)
SQUARE TUBING	2.25" X 2.25" (12 GA.)	11	13
SQUARE TUBING	2.25" X 2.25" (12 GA.)	9	15
SQUARE TUBING	2.25" X 2.25" (12 GA.)	8	16
SQUARE TUBING	2.25" X 2.25" (12 GA.)	7	20
△ U-CHANNEL	3 LB./FT.	11	25
△ U-CHANNEL	3 LB./FT.	9	30
△ SQUARE TUBING	2.50" X 2.50" (10 GA.)	7	36

**DOUBLE POST INSTALLATION**

(TOTAL SIGN AREA NOT TO EXCEED 30 SF)



\* BASE POST FOR SQUARE TUBING TO BE NEXT SIZE LARGER THAN SIGN POST.

**BASE POST INSTALLATION DETAILS**  
FOR SQUARE TUBING AND U-CHANNEL SYSTEMS  
(SEE STANDARD PLAN S-630-4, SHEET 2 FOR MULTI-DIRECTIONAL SLIP BASE SYSTEMS)

**Computer File Information**

Creation Date: 07/04/12
Created By: KEN
Last Modification Date:
Last Modified By:
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English

**Sheet Revisions**

Date:	Comments

Colorado Department of Transportation

2829 W. Howard Pl.  
Denver, CO 80204  
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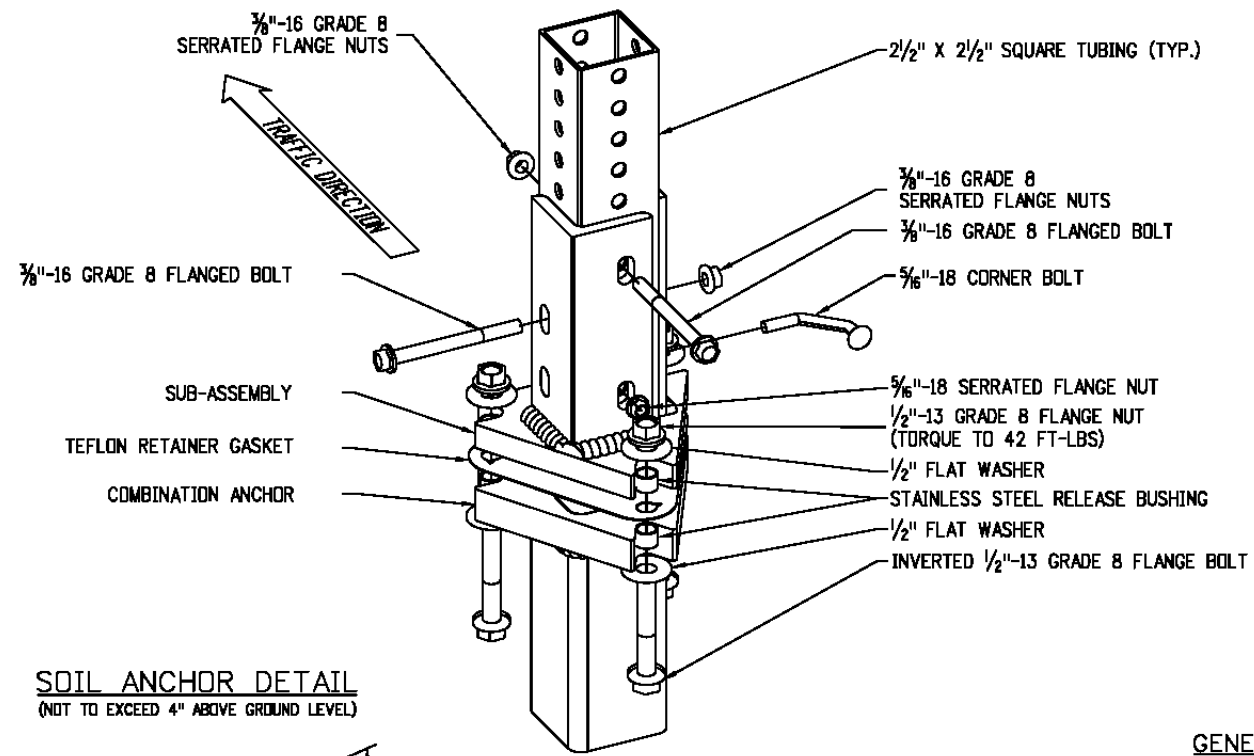
Traffic & Safety Engineering MKB

**STEEL SIGN SUPPORT  
(TEMPORARY)  
INSTALLATION DETAILS**

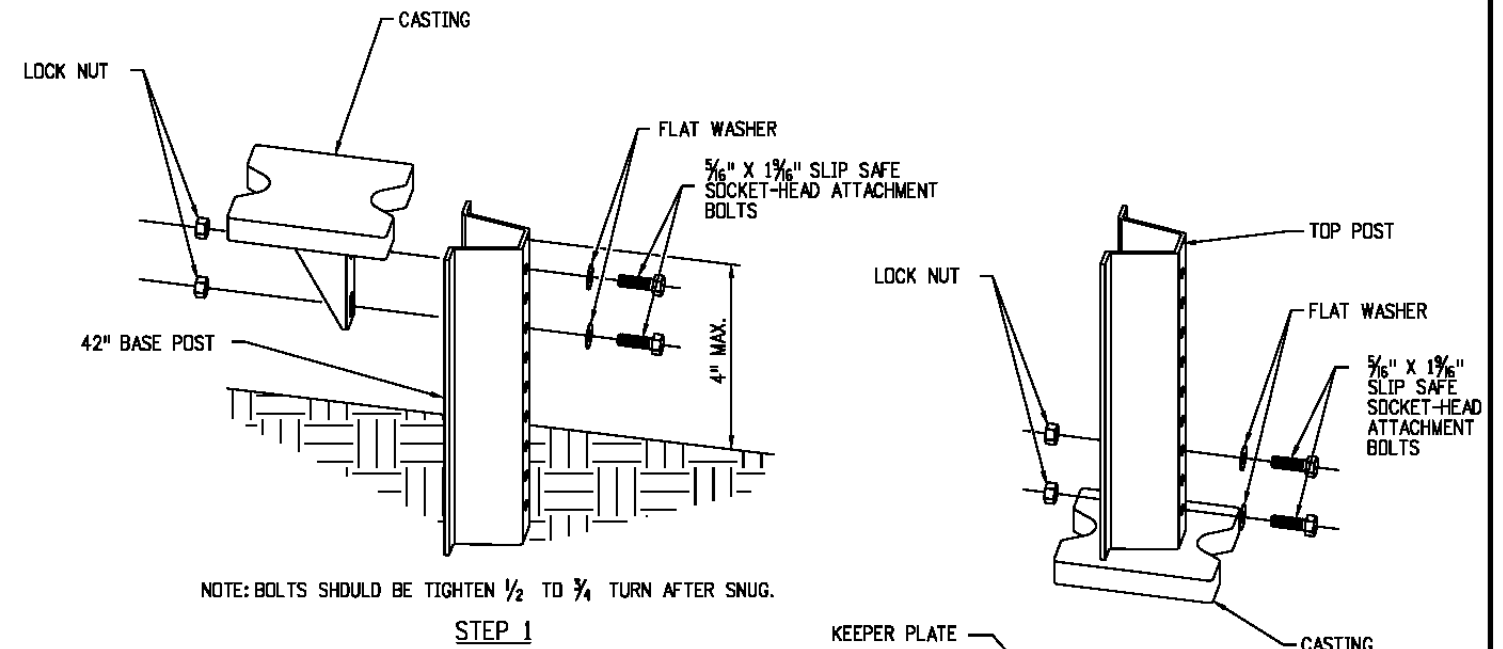
Issued By: Traffic & Safety Engineering Branch July 31, 2019

**STANDARD PLAN NO.**  
S-630-4  
Standard Sheet No. 1 of 2  
Project Sheet Number:

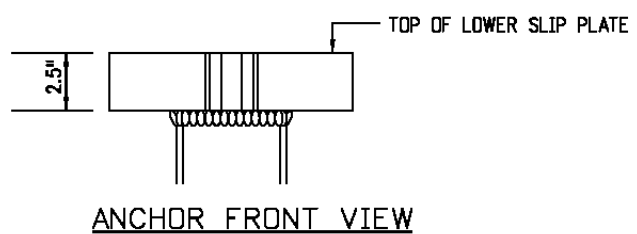
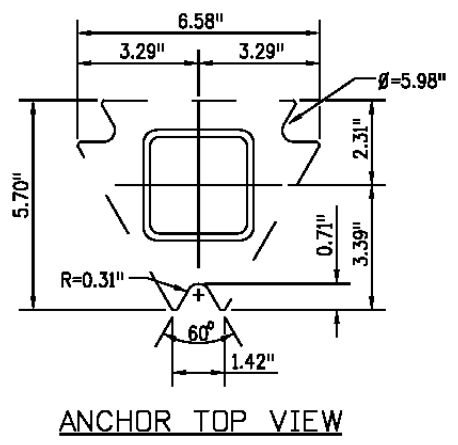
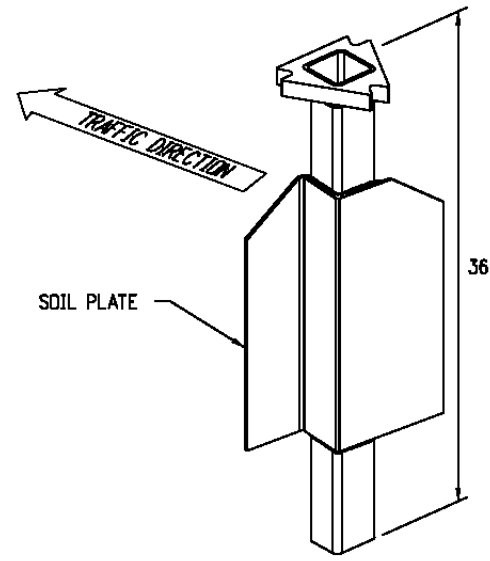
**SQUARE TUBING SLIP BASE**



**U-CHANNEL SLIP BASE**



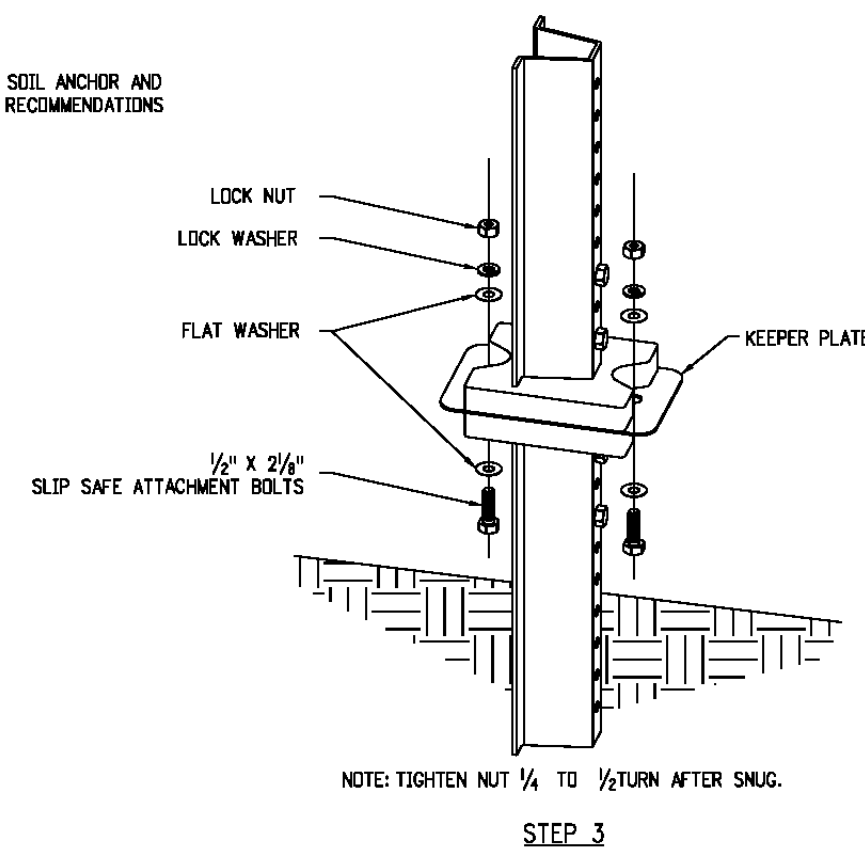
**SOIL ANCHOR DETAIL**  
(NOT TO EXCEED 4\"/>



**GENERAL NOTE:**  
THE CONTRACTOR SHALL INSTALL THE SOIL ANCHOR AND SLIP BASE PER THE MANUFACTURER'S RECOMMENDATIONS WITHOUT ADDITIONAL COMPENSATION.

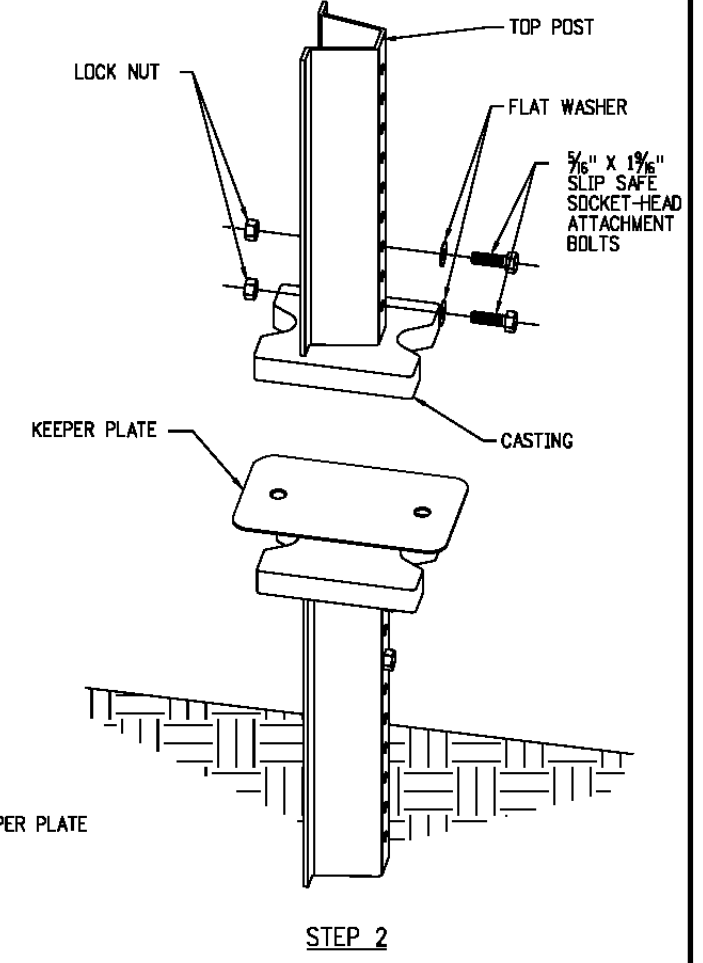
NOTE: BOLTS SHOULD BE TIGHTEN 1/2 TO 3/4 TURN AFTER SNUG.

**STEP 1**



NOTE: TIGHTEN NUT 1/4 TO 1/2 TURN AFTER SNUG.

**STEP 3**



**STEP 2**

**MULTI-DIRECTIONAL SLIP BASE POST DETAILS**

Computer File Information	
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Last Modification Date:	
Last Modified By:	
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	

Sheet Revisions	
Date:	Comments

Colorado Department of Transportation



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Traffic & Safety Engineering **MKB**

**STEEL SIGN SUPPORT  
(TEMPORARY)  
INSTALLATION DETAILS**

Issued By: Traffic & Safety Engineering Branch July 31, 2019

**STANDARD PLAN NO.**  
S-630-4  
**Standard Sheet No. 2 of 2**  
Project Sheet Number: