

## GENERAL NOTES:

- 2. J-POST MATERIALS SHALL CONFORM TO THE FOLLOWING:
  - a. ROUND HOLLOW STEEL SECTIONS (HSS)
- b. BASEPLATES
- c. BOLTS d. NUTS
- e. WASHERS
- 3. BOLTS, U-CLAMPS, NUTS, AND METAL WASHERS SHALL BE GALVANIZED.
- WHEN INSTALLED.
- AND/OR AS SHOWN ON THE PLANS.
- BOLT DIMENSIONS BASED ON SELECTED POST DIAMETER.
- 7. GUARDRAIL PARAMETERS MUST BE VERIFIED PRIOR TO INSTALLATION.

- TEMPORARY OR PRECAST BARRIERS THAT ARE PINNED TOGETHER.
- PREVIOUSLY DAMAGED AND REPAIRED.

## DESIGN DATA:

SPECIFICATIONS:

DESIGN:	AASHTO LRFD SPECI LUMINAIRES, AND TR
	AASHTO LRFD BRIDG

WIND LOADING:

PER CDOT BRIDGE DESIGN MANUAL SECTION 32.3: 120 MPH OUTSIDE OF SPECIAL WIND REGION 165 MPH INSIDE SPECIAL WIND REGION

Computer File Information			Sheet Revisions	Colorado Department of Transportation		STANDARD PLAN NO.
Creation Date: 3/1/2024		Date:	Comments	2829 W. Howard Pl.	J-POST SIGN SUPPORT	
Created By: ASP				Denver, CD 80204	J-FUST SIGN SUFFURI	S-614-23
Last Modification Date:	$\Box$			Denver, CD 80204 Phone: 303-757-9654 FAX: 303-757-9219		Standard Sheet No. 1 of 3
Last Modified By:				- Traffic Safety & Engineering EB		
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English					Issued By: Traffic Safety & Engineering Branch March 1, 2024	Project Sheet Number:

1. J-POST MOUNT IS SPECIFIED FOR INSTALLATION ON BRIDGE RAIL TYPE 7, BRIDGE RAIL TYPE 9, GUARDRAIL TYPE 7 STYLES CA AND CC, AND GUARDRAIL TYPE 9 STYLES CA AND CC.

ASTM	A500	GRADE	С	
ASTM	A709	GRADE	50	
ASTM	F3125	GRADE	Α	325
ASTM	A563			
ASTM	F436			

4. VENT HOLES SHALL BE PROVIDED PRIOR TO GALVANIZATION. VENT HOLES ON HORIZONTAL SEGMENT OF POST SHALL BE ORIENTED DOWN SO AS TO DRAIN WATER FROM THE INTERIOR OF THE MEMBER

5. ALL SIGNS SHALL BE AS REQUIRED PER CDOT M&S STANDARDS PLANS AND SPECIFICATIONS

6. REFERENCE STANDARD S-614-3 FOR SIGN DETAILS, INCLUDING SIGN PANEL AND ZEE BACKING. POST SHALL BE ATTACHED TO ZEE MEMBERS WITH U-BOLTS. REFERENCE STANDARD S-614-8. ADJUST U-

8. BATTER ANGLE OF GUARDRAIL OR BRIDGE RAIL SHALL BE FIELD VERIFIED PRIOR TO FABRICATION.

9. J-POST MOUNT IS INTENDED FOR BACK (NON-TRAFFIC FACE) OF GUARDRAIL OR BRIDGE RAIL. DO NOT USE ON RETAINING WALL FACING, WALL COPING, OR TRAFFIC-FACING SIDE OF BARRIER.

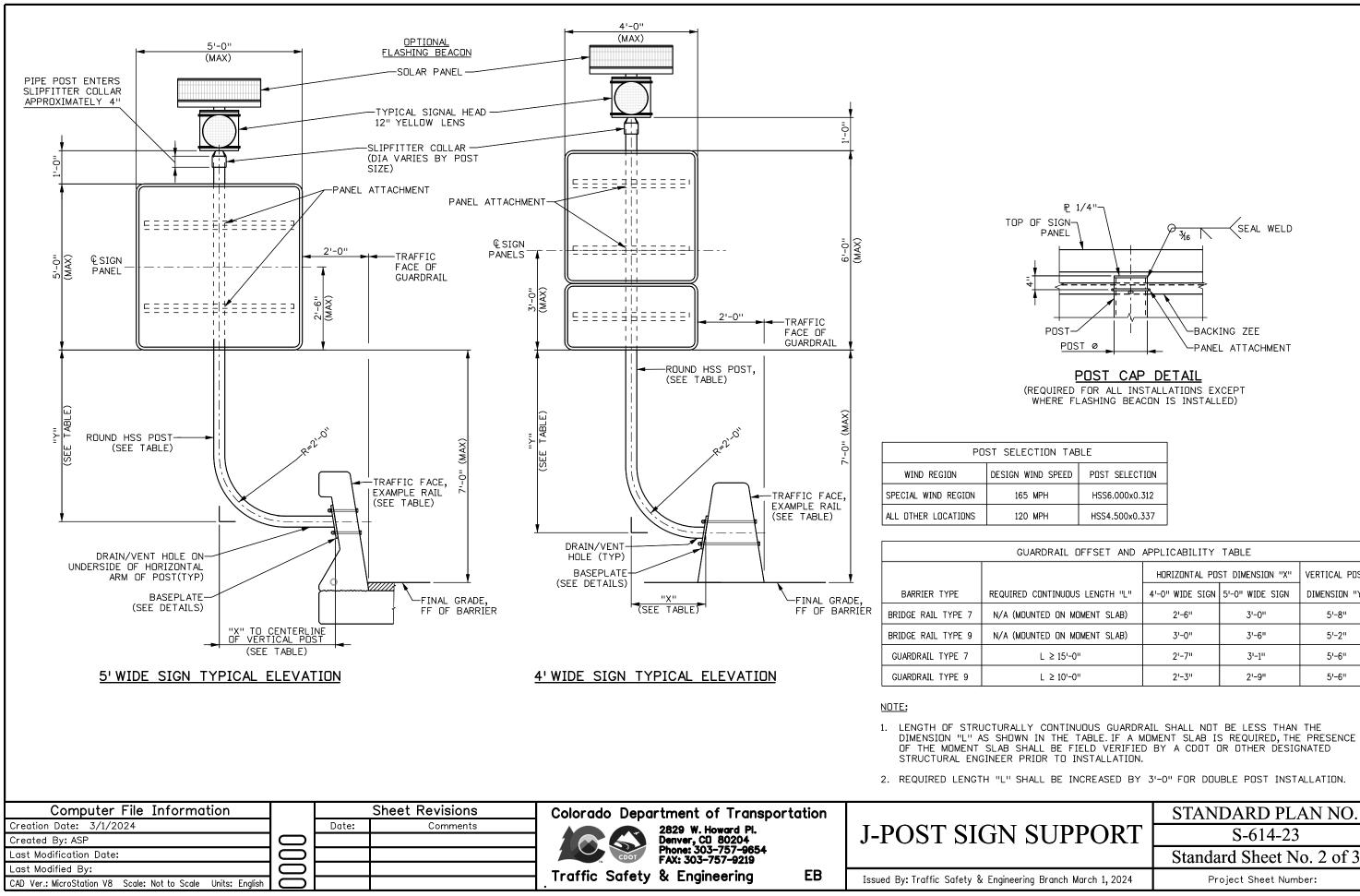
10. J-POST MOUNT IS ONLY APPLICABLE FOR USE ON PERMANENT, CAST-IN-PLACE GUARDRAIL, NOT

11. J-POST SHALL NOT BE MOUNTED ON A SEGMENT OF BARRIER WHERE THE GUARDRAIL WAS

12. REFERENCE STANDARD S-614-14 FOR FLASHING BEACON ELECTRICAL REQUIREMENTS AND DETAILS.

IFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, RAFFIC SIGNALS, 1ST EDITION (2015) WITH 2020 INTERIMS.

GE DESIGN SPECIFICATIONS, 9TH EDITION (2020).



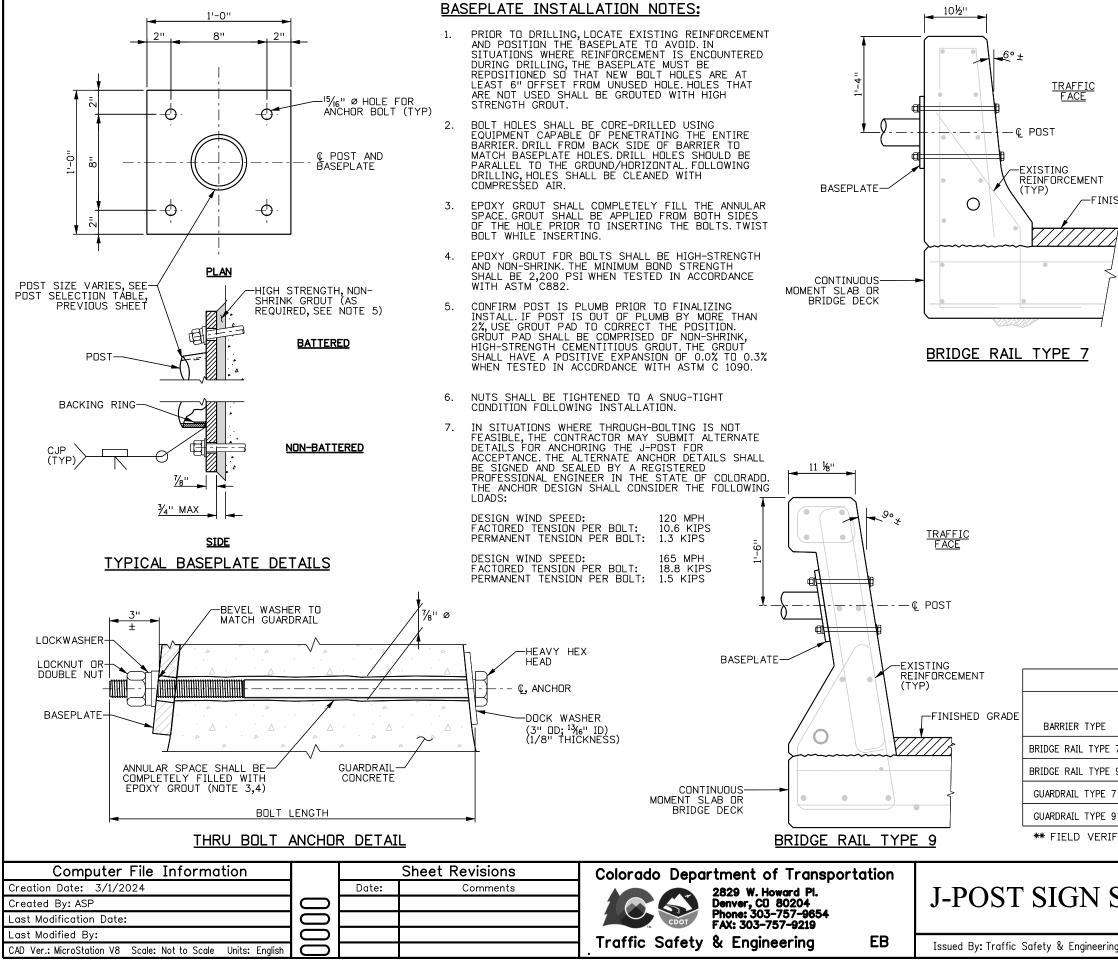
SUPPORT		
	STANDARD PLAN NO.	
	S-614-23	
	Standard Sheet No. 2 of 3	
ring Branch March 1, 2024	Project Sheet Number:	

IOUNTED ON MOMENT SLAB)	2'-6''	3'-0''	5'-8"
IOUNTED ON MOMENT SLAB)	3'-0"	3'-6"	5'-2"
L ≥ 15'-0"	2'-7"	3'-1''	5'-6"
L ≥ 10'-0"	2'-3"	2'-9"	5'-6"

VERTICAL POST

DIMENSION "Y

ECTION TABLE			
WIND SPEED	POST SELECTION		
5 MPH	HSS6.000x0.312		
20 MPH	HSS4.500x0.337		



BASEPLATE	SUARDRAIL TYPE	G RCEMENT POST RAFFIC FACE	
BOLT SELECTION TABLE (F			
_		LENGTH **	
E DIAMETER	TOP BOLT 1'-3¾''	BOTTOM BOLT	
PE 7	1'-3'%''	1'-4½'' 1'-0''	
2E 9 3/4"	1'-2½"	1'-4''	
<u> </u>		2'-0"	
RIFY REQUIRED BOLT LENGTH PRIOR TO INSTALLATION.			
	STANDARD P	LAN NO.	
SUPPORT	S-614-23		
	Standard Sheet No. 3 of 3		
nny brunch March 1, 2024	Branch March 1, 2024 Project Sheet Number:		