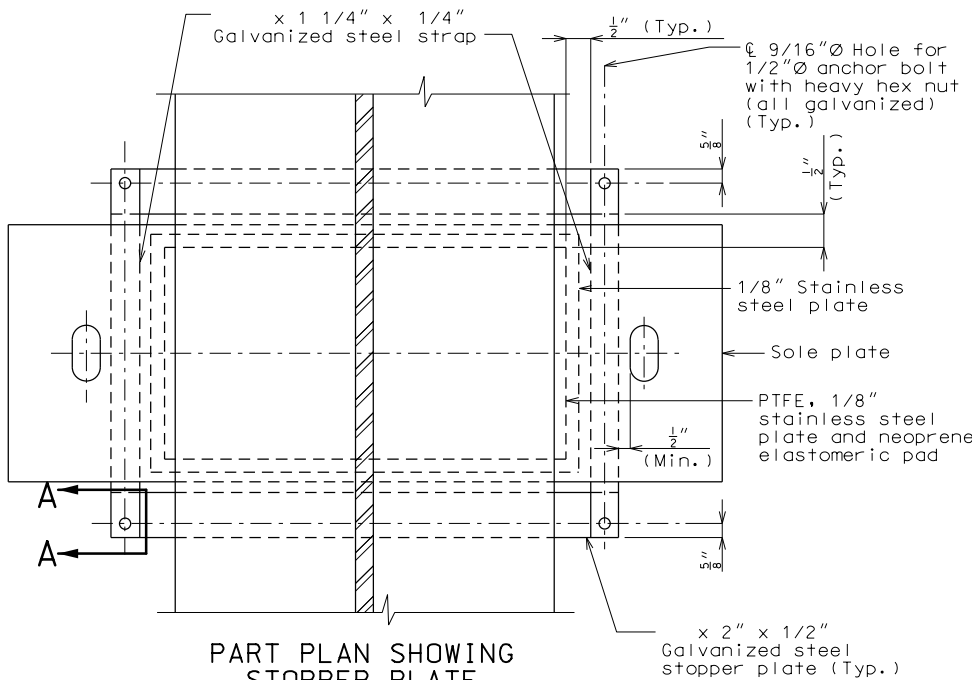
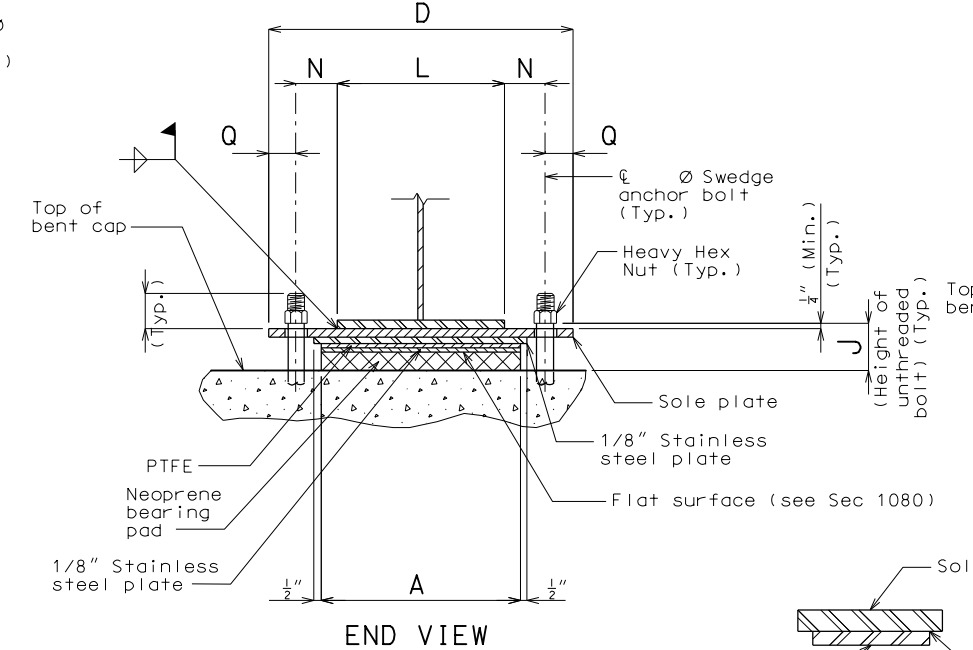


**ELEVATION OF GALVANIZED STEEL STOPPER PLATE**

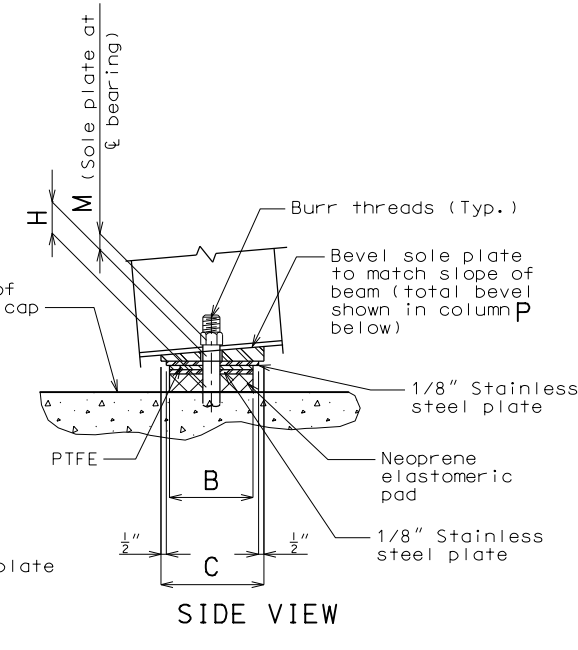
**PLAN OF GALVANIZED STEEL STOPPER PLATE**



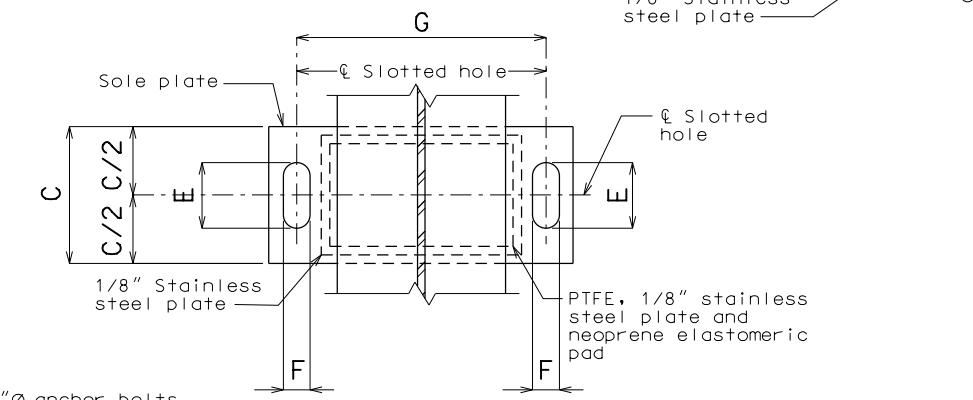
**PART PLAN SHOWING STOPPER PLATE**



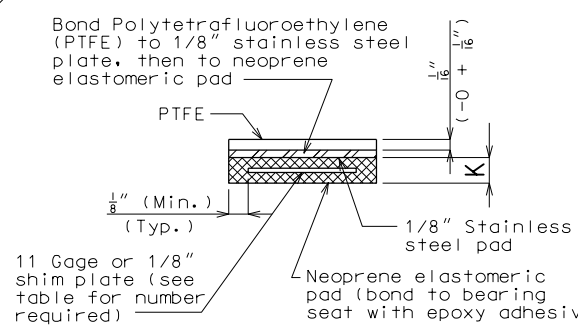
**END VIEW**



**SIDE VIEW**



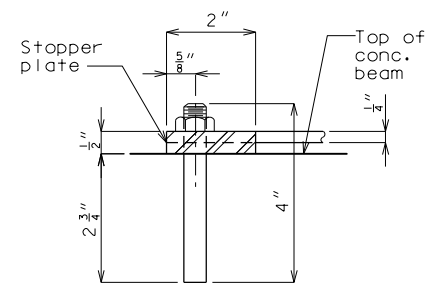
**PART PLAN**



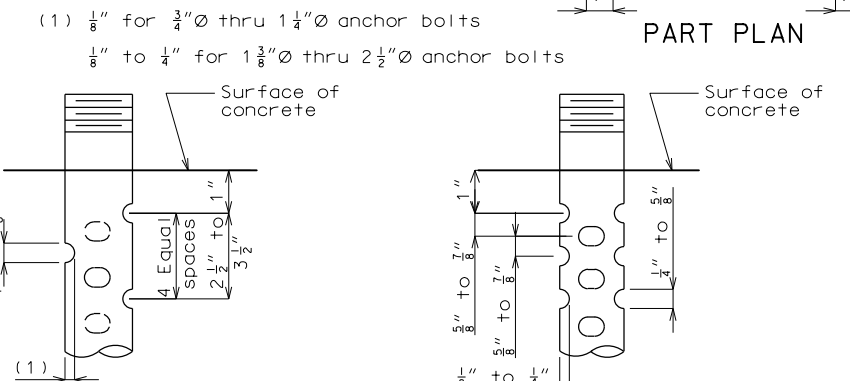
**NEOPRENE ELASTOMERIC PAD**

Stopper plates and straps shall be provided to prevent loss of support due to creeping of PTFE bearings. Payment for fabricating and installing the stopper plates and straps will be considered completely covered by the contract unit price for Type N PTFE Bearing.

The bottom face of the 1/8" stainless steel plate that is welded to the sole plate shall be lubricated with a lubricant that is approved by the bearing manufacturer.



**SECTION A-A**



**DETAIL FOR 3/4" Ø THRU 2 1/2" Ø ANCHOR BOLTS**  
**OPTIONAL DETAIL FOR 1 3/8" Ø THRU 2 1/2" Ø ANCHOR BOLTS**  
**SWEDGE ANCHOR BOLT DETAILS**

**Standard Drawing Guidance:**  
 (do not show on plans.)

- Use note H3.29.1 with Grade 50W steel. Use note H3.29.2 when steel superstructure is galvanized. (H3.29 shown)
- Remove underlined portion when steel superstructure is galvanized.

**GENERAL NOTES:**  
 Design coefficient of friction equals 0.06.

Anchor bolts shall be Ø ASTM F1554 Grade 55 swaged bolts and shall extend into the concrete with ASTM A563 Grade A Heavy Hex nuts. Actual manufacturer's certified mill test reports (chemical and mechanical) shall be provided. Swedging shall be 1" less than extension into the concrete.

Anchor bolts shall be at the center of slotted hole at 60°F. Bearing position shall be adjusted R for each 10° fall or rise in temperature at installation.

Anchor bolts and heavy hex nuts shall be coated with a minimum of two coats of inorganic zinc primer to provide a total dry film thickness of 4 mils minimum, 6 mils maximum, or galvanized in accordance with Sec 1081.

Neoprene Elastomeric Pads shall be 70 Durometer.

Structural steel for sole plate shall be ASTM A709 Grade and shall be coated with a minimum of two coats of inorganic zinc primer to provide a total dry film thickness of 4 mils minimum, 6 mils maximum. The stainless steel plate shall be protected from any coating.

Type N PTFE Bearings shall be in accordance with Sec 716.

PTFE surface shall be fabricated as a single piece. Splicing will not be permitted.

PTFE SLIDING BEARINGS																	NUMBER OF SHIM PLATES *	NUMBER REQUIRED				
BENT NO.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R						
TOTAL BEARINGS																						

\* The required shim plate shall be placed between layers of elastomer and molded together to form an integral unit.

**TYPE N PTFE BEARINGS**

DATE PREPARED		4/7/2022
ROUTE	STATE	MO
DISTRICT	SHEET NO.	BR * 1
COUNTY	JOB NO.	*
CONTRACT ID.	PROJECT NO.	
BRIDGE NO.	BRG07	
DESCRIPTION	DATE	
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION		
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MDOT (1-888-275-6636)		

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.