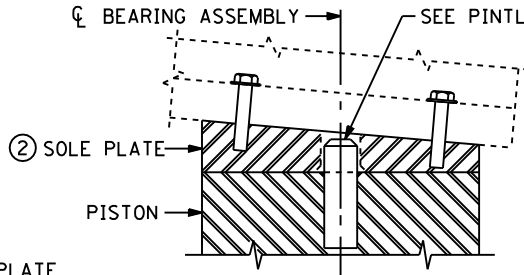
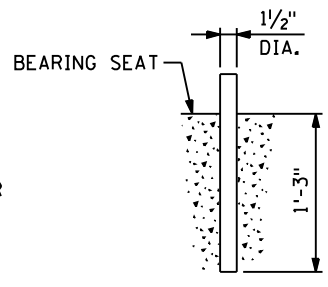


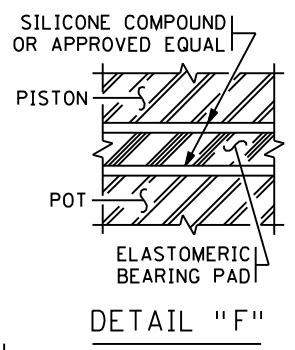
SECTION X-X



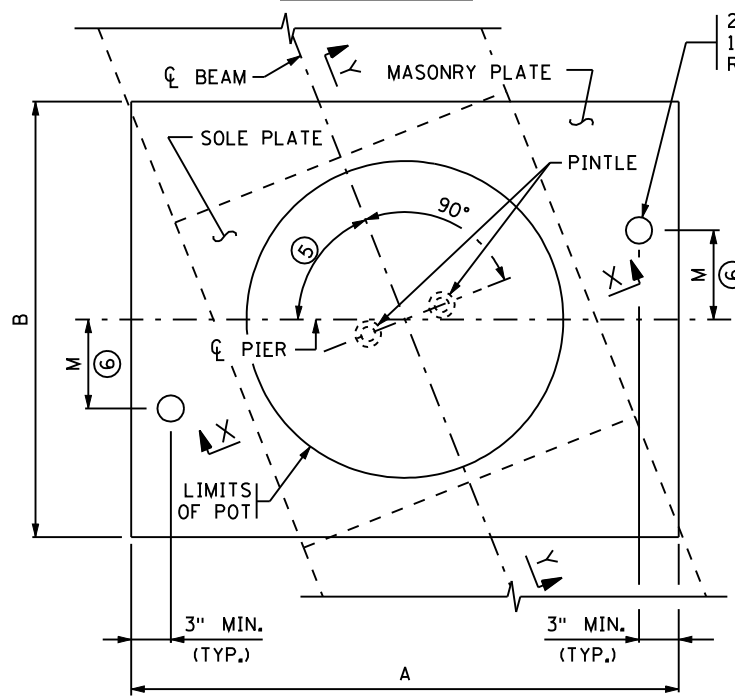
SECTION Y-Y



ANCHOR ROD DETAIL



DETAIL "F"



DETAIL AT MASONRY PLATE

NOTES:

MATERIALS, DESIGN AND FABRICATION PER SPECIAL PROVISIONS.

STEEL PLATES, PINTLES AND ANCHOR RODS SHALL COMPLY WITH Mn/DOT SPEC. 3309.

GALVANIZE SOLE PLATE, MASONRY PLATE, AND ANCHOR RODS PER Mn/DOT SPEC. 3394

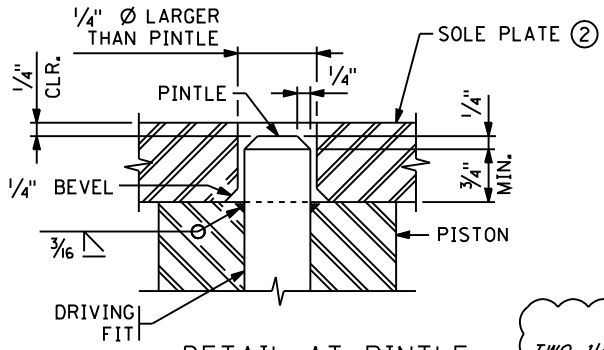
SHIMMING UNDER MASONRY PLATE SHALL BE PREFORMED FABRIC PADS PER AASHTO DIV II, SECTION 18.

DETAILS, DIMENSIONS AND MATERIALS NOT SHOWN SHALL BE SUBMITTED BY THE MANUFACTURER OF THE BEARING ASSEMBLY TO THE ENGINEER FOR APPROVAL.

ALL MATERIAL SHOWN SHALL BE INCLUDED IN THE PRICE BID FOR EACH BEARING ASSEMBLY, EXCEPT AS NOTED.

METALIZE PISTON AND POT PER Mn/DOT SPEC. 2471.3L2.

- ① FACTORED LIVE LOAD (LL) ROTATION OR 0.02 RADIAN'S WHICHEVER IS GREATER.
- ② THE SOLE PLATE IS INCLUDED IN THE POT BEARING ASSEMBLY QUANTITY. 1/4" MIN. THICKNESS IS REQUIRED. SOLE PLATE SHALL BE TAPERED TO FINISHED GRADE INCLUDING TRANSVERSE TAPER FOR SKEWED BRIDGES.
- ③ POT BEARING MANUFACTURER TO DETERMINE THE FINAL DIMENSIONS AND NUMBER OF ALL BEARING COMPONENTS INCLUDING PISTON, POT, MASONRY PLATE, SOLE PLATE, THREADED FASTENERS, BOLTED FLANGE CONNECTIONS, PINTLES AND OVERALL HEIGHT, AND COORDINATE SHARING THIS INFORMATION WITH THE BEAM FABRICATOR AND CONTRACTOR. MINIMUM PINTLE SIZE IS 1/2" DIAMETER.
- ④ FACTORED HORIZONTAL RESISTANCE SHALL BE A MINIMUM OF 15% OF THE STRENGTH LIMIT STATE VERTICAL LOAD UNLESS STATED OTHERWISE.
- ⑤ SEE FRAMING PLAN
- ⑥ "+" DENOTES OFFSET AS SHOWN.
"-" DENOTES OFFSET OPPOSITE OF SHOWN.



DETAIL AT PINTLE

DESIGNER NOTE (REMOVE DESIGNER NOTE PRIOR TO PLOTTING FINAL PLAN): TWO 1 1/2" DIAMETER ANCHOR RODS HAVE A FACTORED HORIZONTAL RESISTANCE OF 95 KIPS. DESIGNER SHALL INCREASE DIAMETER, NUMBER OF RODS OR BOTH WHEN NEEDED.

BEARING ASSEMBLY TABLE

ASSEMBLY TYPE	LOCATION	FACTORED LL ROTATION ① (RAD)	MASONRY PLATE ③		ANCHOR ROD OFFSET		ASSUMED HEIGHT "H" ③	BOTTOM FLANGE WIDTH	DESIGN LOADS (KIPS)			
			A	B	+/- ⑥	M			SERVICE LIMIT STATE		STRENGTH LIMIT STATE	
									VERTICAL	HORIZONTAL	VERTICAL	HORIZONTAL ④
-	-	--	--	--	--	--	--	--	-	-	-	-
-	-	--	--	--	--	--	--	--	-	-	-	-

APPROVED: SEPTEMBER 18, 2007

Daniel J. Morgan
STATE BRIDGE ENGINEER

STATE OF MINNESOTA
DEPARTMENT OF TRANSPORTATION

POT BEARING ASSEMBLY
(STEEL BEAMS)
(FIXED)

REVISION
12-17-2008

DETAIL NO.

B316