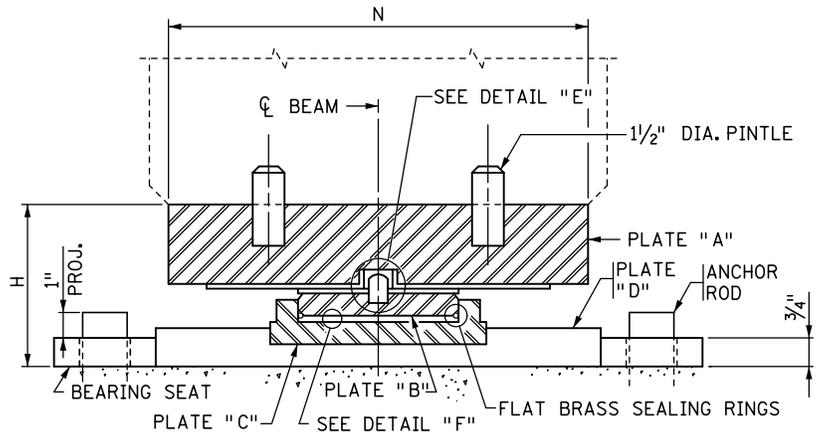
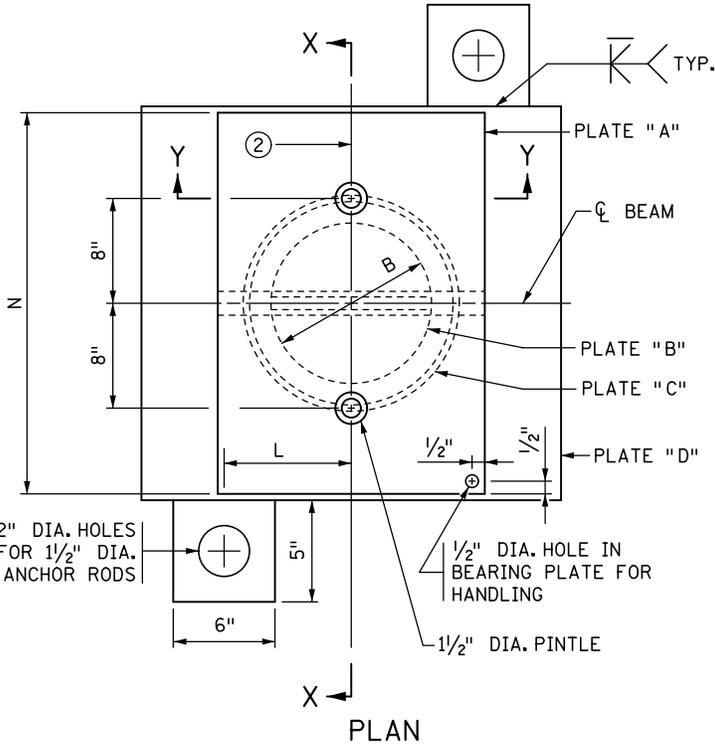


SECTION Y-Y

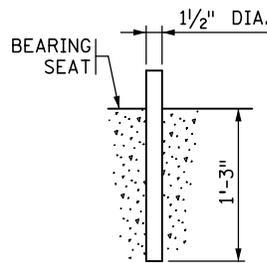
(ALL PLATES & MATERIALS BELOW PLATE "A" NOT SHOWN)



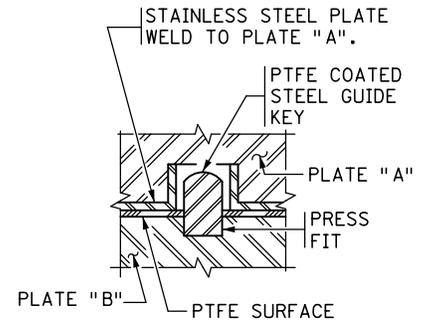
SECTION X-X



PLAN



ANCHOR ROD DETAIL



DETAIL "E"

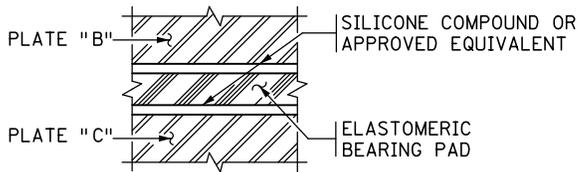
NOTES:

- PROVIDE MATERIALS, DESIGN AND FABRICATION PER SPECIAL PROVISIONS.
- PROVIDE STEEL PLATES AND PINTLES PER SPEC. 3309.
- GALVANIZE PLATES "A", "D" AND PINTLES PER SPEC. 3394.
- METALIZE PLATES "B" & "C" PER SPEC. 2471.3.L.2.
- PROVIDE ANCHOR RODS PER SPEC. 3385, TYPE B. GALVANIZE PER SPEC. 3392.
- PERFORM SHIMMING UNDER PLATE "D" WITH FABRIC PADS PER AASHTO LRFD BRIDGE CONSTRUCTION SPEC. SECTION 18.10.

MANUFACTURER TO SUBMIT ANY BEARING ASSEMBLY DIMENSIONS, DETAILS, OR MATERIALS NOT SHOWN TO THE ENGINEER FOR APPROVAL.

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

- ① MINIMUM ROTATION OF .02 RADIAN
- ② MARK ϕ OF BRG. PLATES "A" AND "B" TO FACILITATE PLACEMENT.
- ③ HEIGHT IS MINIMUM DIMENSION IF PLATE IS TAPERED.



DETAIL "F"

BEARING ASSEMBLY DIMENSIONS

| ASSEMBLY TYPE | ROTATION ① | TOTAL LOAD (KIPS) | TOTAL MOVEMENT (INCHES) | PLATE "A" ③ | PLATE "B" (DIA.) | PLATE "C" (DIAMETER) | PLATE "D" (MAXIMUM) | DIMENSION "L" | DIMENSION "H" | DIMENSION "N" |
|---------------|------------|-------------------|-------------------------|-------------|------------------|----------------------|---------------------|---------------|---------------|---------------|
| | | | | | | | | | | |
| | | | | | | | | | | |

DIMENSION "N" = BOTTOM FLANGE WIDTH OF BEAMS MINUS 1/2"

DESIGN DATA:

MAXIMUM HORIZONTAL LOAD IS 70 KIPS FOR 1/2" PINTLES.

APPROVED: NOVEMBER 22, 2002

STATE OF MINNESOTA
DEPARTMENT OF TRANSPORTATION

REVISION
11-03-2015

DETAIL NO.

POT TYPE BEARING ASSEMBLY
(PRESTRESSED CONCRETE BEAMS)
(GUIDED EXPANSION)

B312

Ramirez
STATE BRIDGE ENGINEER