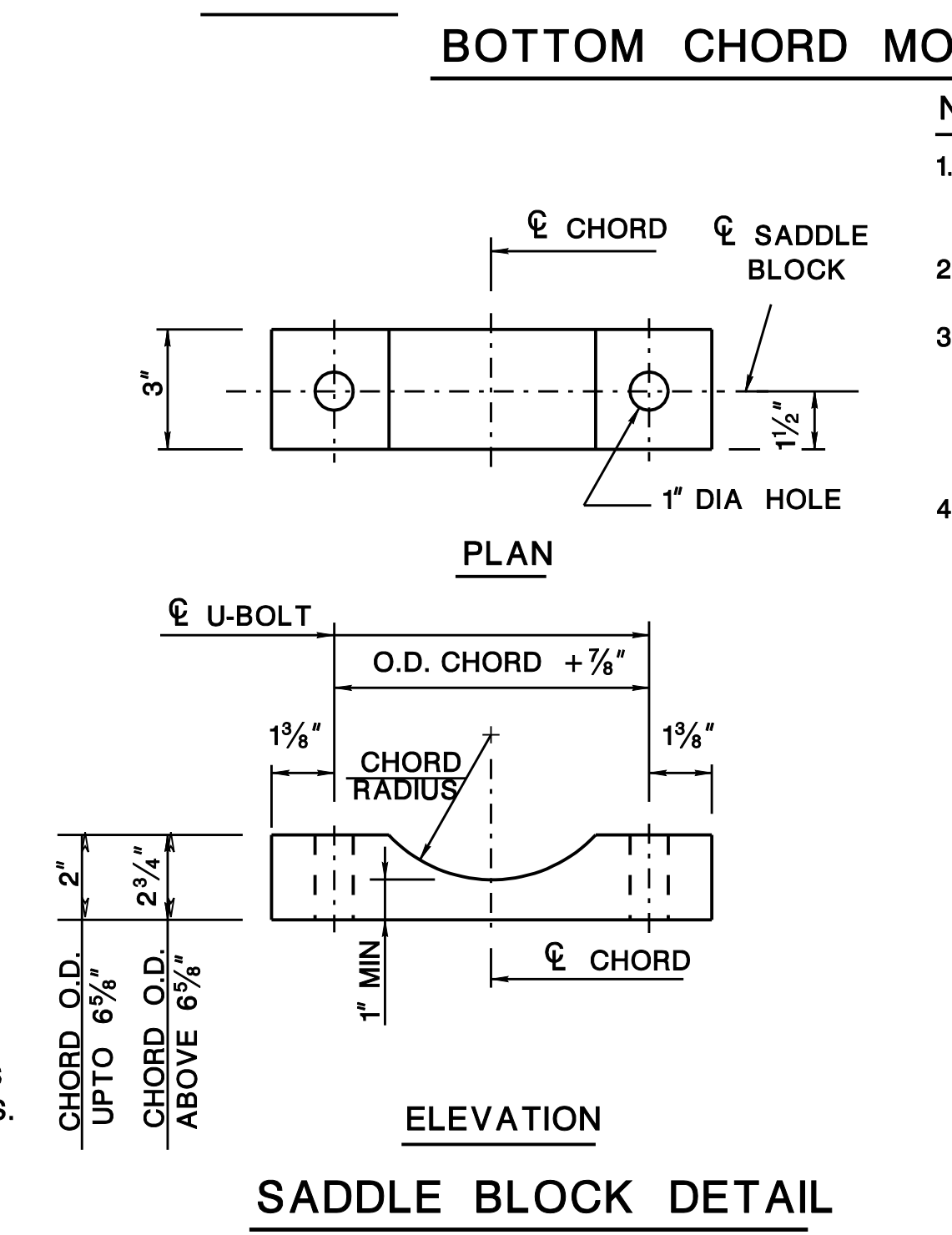


**ANCHOR BOLT DETAIL**

**TOWER SHAFT BASE ASSEMBLY**

TOWER SHAFT O.D.xTHICK (IN)	BASE PLATE		ANCHOR BOLTS			BRACKET PLATES	
	THICKNESS T	BOLT CIRCLE C	SIZE DIAxLGTH	BOLT TENSION (KIPS)	PROJ*	A	
10.750x.365	2"	1'-6 3/4"	2"X54"	87	10 3/4"	4 1/2"	
12.750x.375	2 1/4"	1'-8 3/8"	2"X54"	87	10 3/4"	4 1/2"	
14.000x.375	2 1/4"	1'-9 3/8"	2 3/4"X72"	172	13 1/4"	5 1/2"	
14.000x.500	2 1/2"	1'-9 3/8"	2 3/4"X72"	172	13 1/4"	5 1/2"	
16.000x.375	2 1/2"	2'-1 3/8"	2 3/4"X72"	172	13 1/4"	6 1/2"	
16.000x.500	2 3/4"	2'-1 3/8"	2 3/4"X72"	172	13 1/4"	6 1/2"	
18.000x.375	2 3/4"	2'-4 3/4"	2 3/4"X72"	172	13 1/4"	7 1/4"	
18.000x.500	2 3/4"	2'-4 3/4"	2 3/4"X72"	172	13 1/4"	7 1/4"	
20.000x.500	3 1/4"	2'-8 1/8"	3"X78"	208	14 3/4"	8 1/2"	
24.000x.500	3 1/4"	3'-2 1/2"	3"X78"	208	14 3/4"	9 1/2"	



- NOTES:**
- ANCHOR BOLTS SHALL BE PROVIDED WITH HEAVY HEXAGON NUTS AND TWO WASHERS AS SHOWN ON THE ANCHOR BOLT DETAIL.
  - ANCHOR BOLTS SHALL BE GALVANIZED AFTER THREADING.
  - REFER TO THE NJDOT STANDARD SPECIFICATIONS FOR ANCHOR BOLT TIGHTENING PROCEDURES. WHEN CALIBRATED WRENCHES ARE USED FOR BOLT INSTALLATION, THEY SHALL BE SET TO PROVIDE THE TENSION THAT IS SPECIFIED IN THE TABLE PROVIDED HEREIN.
  - 3/4" STAINLESS STEEL U-BOLTS SHALL HAVE THE THREADS EXCLUDED FROM THE SHEAR PLANE BETWEEN THE SADDLE BLOCK AND BOTTOM CHORD SUPPORT.

**SIGN STRUCTURE DRG. OH-D8**

NEW JERSEY DEPARTMENT OF TRANSPORTATION  
 BUREAU OF STRUCTURAL ENGINEERING

**OVERHEAD SIGN SUPPORT STRUCTURES**  
 TOWER SHAFT BASE AND TRUSS SEAT DETAILS

ROUTE: \_\_\_\_\_ SECTION \_\_\_\_\_

SCALE: NONE

BRIDGE SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_

BD008D-02 - Engineer Changed to RE  
 BD007D-02 - ORIGINAL SHEET

\* PROJECTION LENGTH SHOWN IS BASED ON USING DOUBLE NUTS.