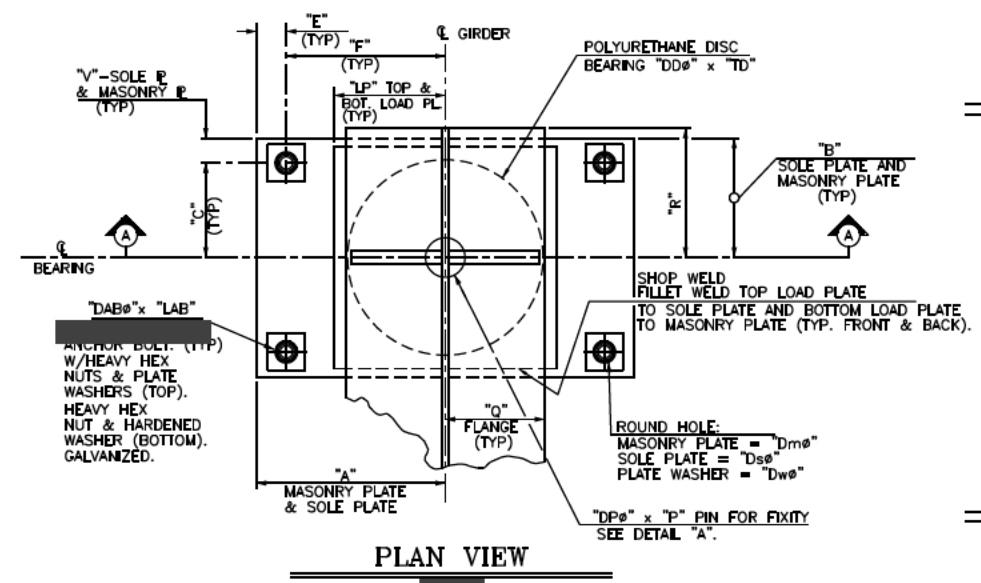


CHECKED BY: JA

DRAFTED BY: JA

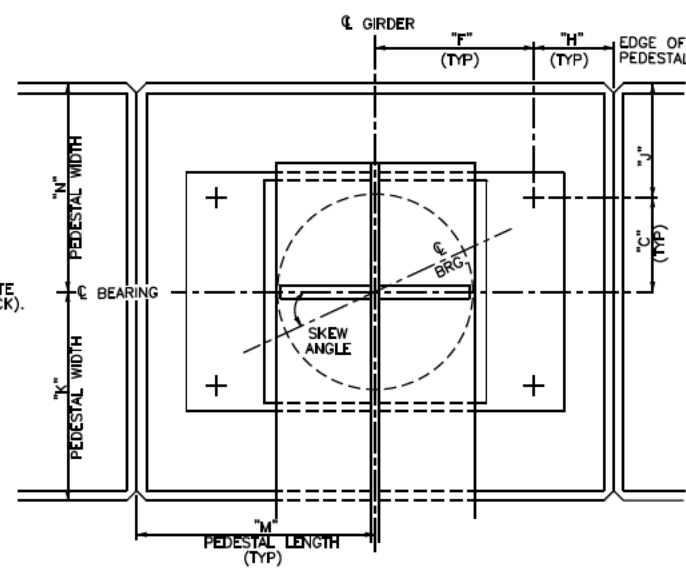
DESIGNED BY: JA

IN CHARGE OF: JA



PLAN VIEW

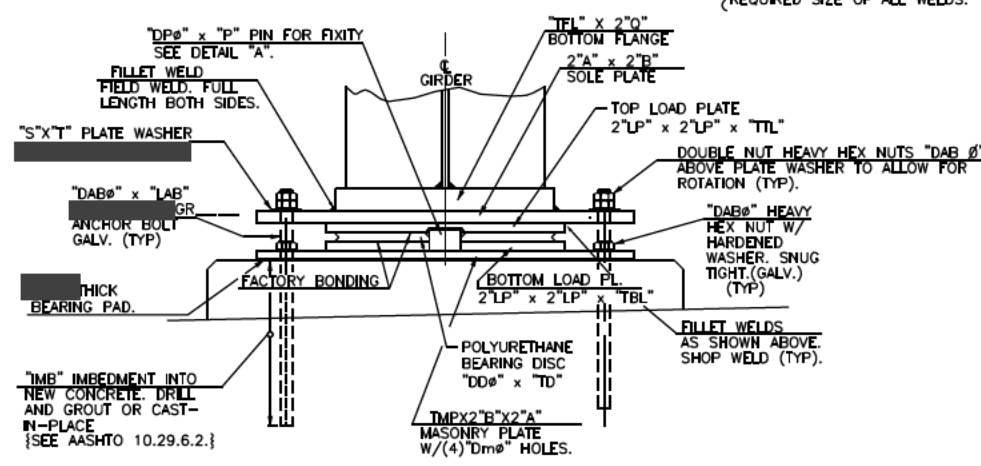
{DESIGNER SHALL INDICATE  
REQUIRED SIZE OF ALL WELDS. }



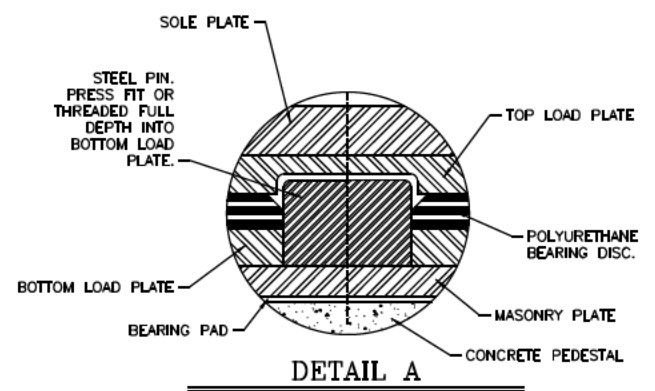
TYPICAL BEARING ANCHOR BOLT LAYOUT

N.T.S.

{NOTE: "I" INDICATES NOTES TO DESIGNER.  
DO NOT INCLUDE IN CONTRACT DRAWING. }



SECTION A-A



DETAIL A

\*\*HOLE SIZE IN SOLE PLATE  
DEPENDENT ON:  
AMOUNT OF ROTATION IN FIXED BEARINGS.

SOLE PLATE										TOP LOAD PLATE		BOTTOM LOAD PLATE	
A	B	C	V	E	F	G	TSP MIN.	TSP MAX.	Ds Ø**	LP	TTL	LP	TBL
#	#	#	#	#	#	#	#	#	#	#	#	#	#

POLYURETHANE DISC		PIN		MASONRY PLATE							
DD Ø	TD	DP Ø	P	A	B	C	V	E	F	Dm Ø	TMP
#	#	#	#	#	#	#	#	#	#	#	#

ANCHOR BOLTS			ASSUMED BEARING HEIGHT	SKEW ANGLE	PEDESTAL								FLANGE	
IMB	DAB Ø	LAB	HBRG		C	F	H	J	K	N	M	Q	R	TFL
#	#	#	#	#	#	#	#	#	#	#	#	#	#	#

PLATE WASHER				
GAP	S	T	TW MAX.	Dw Ø
#	#	#	#	#

{ NOTE: "I" INDICATES NOTES TO DESIGNER.  
DO NOT INCLUDE IN CONTRACT DRAWINGS. }

MULTI-ROTATIONAL DISC-TYPE BEARING NOTES:

- FIXED BEARING INSTALLATION AND ALIGNMENT: THE CENTERLINE OF THE SOLE PLATES OR OTHER FIXED PORTIONS OF BEARING ASSEMBLIES ATTACHED TO THE STRUCTURAL STEEL SHALL NOT BE OFFSET FROM THE CENTERLINE OF BEARING STIFFENERS OR DIAPHRAGM CONNECTION PLATES BY MORE THAN ONE-HALF THE THICKNESS OF THE FLANGE AT THAT LOCATION, OR THE THICKNESS OF THE BEARING STIFFENER, WHICHEVER IS LESSER.
- THE [CONTRACTOR, FABRICATOR OR THRUWAY AUTHORITY, WHICHEVER IS APPLICABLE] SHALL SUPPLY MULTI-ROTATIONAL BRIDGE BEARINGS CONFORMING TO THE REQUIREMENTS OF THE BEARING ITEM SHOWN AND SUBJECT TO THE FOLLOWING CONDITIONS:
- THE BEARING DEVICES SUPPLIED SHALL BE CAPABLE OF TRANSMITTING THE LOADS AND MOVEMENTS SHOWN ON THESE PLANS.
  - THE HEIGHT OF THE BEARING BETWEEN THE SOLE PLATE AND THE MASONRY PLATE REPRESENTS THE ASSUMED TOTAL HEIGHT OF THE BEARING MECHANISM USED BY THE DESIGNER TO ESTABLISH CONCRETE DIMENSIONS. THE CONTRACTOR SHALL RECOMPUTE ALL TOP OF PEDESTAL ELEVATIONS TO ACCURATELY REFLECT THE HEIGHT OF BEARINGS SUPPLIED.
  - THE MASONRY PLATES SHOWN HAVE BEEN DESIGNED TO SUIT TYPICAL BEARINGS FOR THE DESIGN LOADS AND MOVEMENTS SHOWN. THE ALLOWABLE CONCRETE BEARING STRESS SHALL BE
- WHERE [REDACTED]
- THE MAXIMUM CONCRETE BEARING STRESS SHALL NOT EXCEED 1800 psi. IF THE PLAN AREA OF ANY MASONRY PLATE IS REVISED (INCREASED), IT SHALL FIT WITHIN THE PLAN DIMENSIONS SHOWN FOR THE PEDESTAL. THE MINIMUM CONCRETE EDGE DISTANCE SHALL BE 3 INCHES AND THE MINIMUM LATERAL ANCHOR BOLT COVER SHALL BE 8 INCHES.
- THE BEARING DEVICE, MASONRY PLATE, BEARING PAD, SOLE PLATE, ANCHOR BOLTS, NUTS, WASHERS, AND PLATE WASHERS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 565.17(21-25)-TYPE MR FIXED BEARING.
  - ALL BEARING CONNECTIONS SHALL BE CAPABLE OF RESISTING A LATERAL FORCE EQUAL TO [REDACTED] THE VERTICAL DESIGN DEAD LOAD AND SUPERIMPOSED DEAD LOAD HORIZONTALLY IN ANY DIRECTION.

{DESIGNER NOTE:  
FIXED BEARING PINS SHALL BE  
DESIGNED AND SIZED FOR  
OF THE MAXIMUM EXPECTED  
HORIZONTAL LOAD. THE MINIMUM  
DESIGN LOAD IS [REDACTED]}

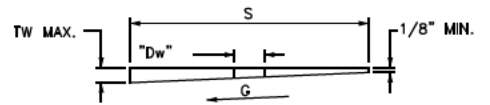
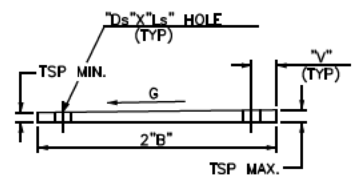
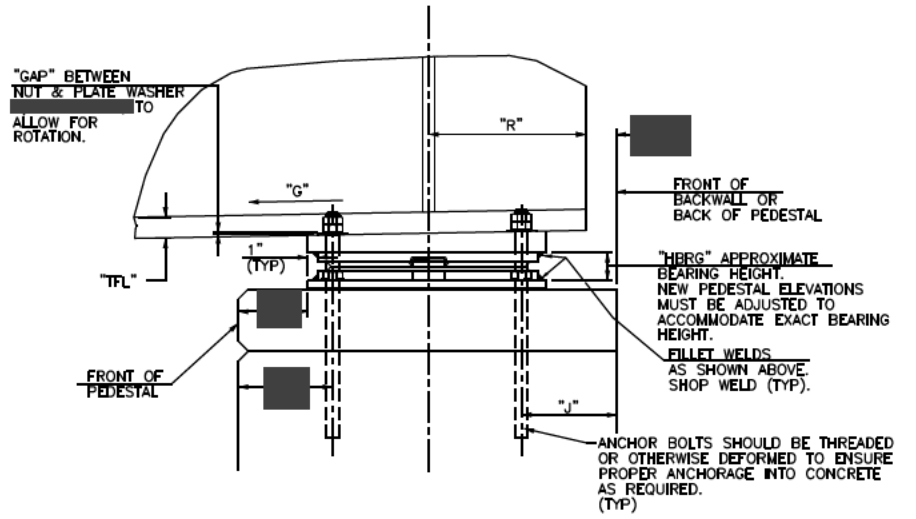


PLATE WASHER DETAIL BOLT LAYOUT



SOLE PLATE DETAIL

PE STAMP &  
SIGNATURE ARE  
REQUIRED  
ON THIS SHEET.



SIDE VIEW

DATE	DESCRIPTION	BY	SYM.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING 200 SOUTHERN BLVD., ALBANY, N.Y. 12209			
TITLE OF PROJECT TITLE OF PROJECT LINE 1 TITLE OF PROJECT LINE 2			
LOCATION OF PROJECT LOCATION OF PROJECT LINE 1 LOCATION OF PROJECT LINE 2			
TITLE OF DRAWING MULTI-ROTATIONAL DISC-TYPE FIXED BEARING DETAILS			
CONTRACT NUMBER: TA		DATE: 12/10	
DRAWING NUMBER: *			

