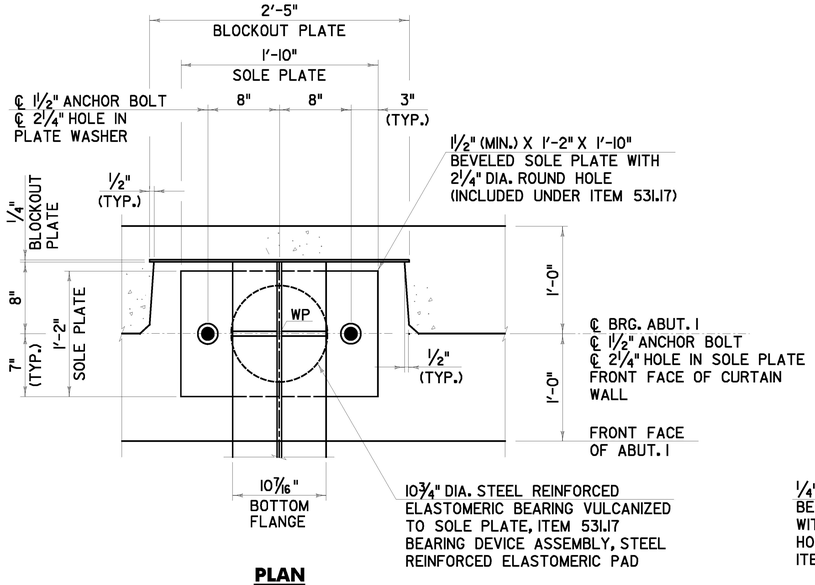
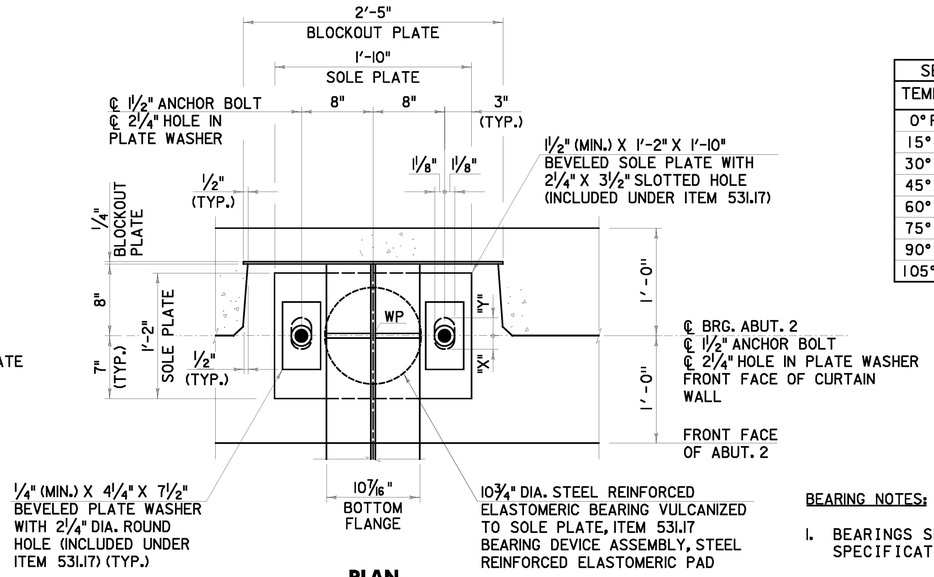


PLAN

(ABUT. 1 - FIXED BEARING)
SCALE: 1½" = 1'-0"



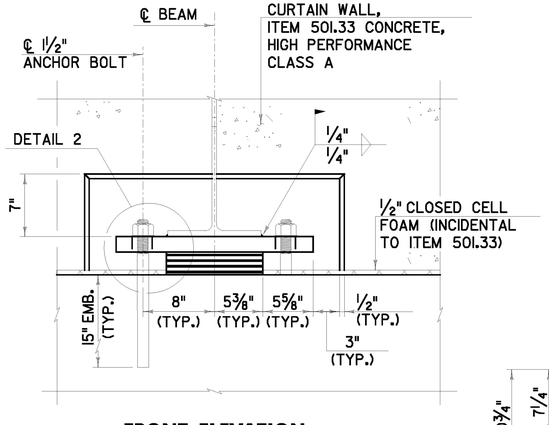
PLAN

(ABUT. 2 - EXPANSION BEARING)
SCALE: 1½" = 1'-0"

SETTING CHART (ABUT. 2)		
TEMP.	"X" DIST.	"Y" DIST.
0° F	1⅝"	1⅞"
15° F	1¾"	1¾"
30° F	1⅞"	1⅝"
45° F	2"	1½"
60° F	2⅛"	1⅜"
75° F	2¼"	1¼"
90° F	2⅜"	1⅛"
105° F	2½"	1"

BEARING NOTES:

1. BEARINGS SHALL CONFORM TO SECTION 531 OF THE STANDARD SPECIFICATIONS.
2. BEARING DEVICE ASSEMBLIES SHALL BE PAID UNDER ITEM 531.17 BEARING DEVICE ASSEMBLY, STEEL REINFORCED ELASTOMERIC PAD. SOLE PLATES, ANCHOR BOLTS AND PLATE WASHERS SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE INCLUDED UNDER ITEM 531.17.
3. SOLE PLATES, NUTS AND PLATE WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH STANDARD SPECIFICATION SUBSECTION 726.08.
4. THE CENTERLINE OF ALL BEARING COMPONENTS SHALL BE IN LINE AT 45° F.
5. THE CONTRACTOR SHALL INCLUDE THE BEARING INSTALLATION PROCEDURE WITH THE FABRICATION DRAWING PACKAGE REQUIRED UNDER STANDARD SPECIFICATION SUBSECTION 531.03. PROCEDURE SHALL INCLUDE BEARING ADJUSTMENT SETTING DEPENDING UPON TEMPERATURE AT TIME OF ERECTION.
6. ANCHOR BOLTS AT ABUTMENT 1 SHALL BE INSTALLED WITH THE NUT HAND TIGHTENED. BURR ANCHOR BOLT THREADS ABOVE THE NUT TO PREVENT REMOVAL.
7. ANCHOR BOLTS AT ABUTMENT 2 SHALL BE INSTALLED WITH AN ⅛" GAP BETWEEN THE BOTTOM OF THE NUT AND THE TOP OF THE PLATE WASHER. BURR ANCHOR BOLT THREADS ABOVE THE NUT TO PREVENT REMOVAL.



FRONT ELEVATION

(SHOWN AT FRONT FACE OF CURTAIN WALL)
(ABUT. 1 SHOWN, ABUT. 2 SIMILAR)
SCALE: 1½" = 1'-0"

BEARING DESIGN CRITERIA				
DESIGN LOADS			TOTAL ROTATION (RAD)	ONE-WAY MOVEMENT (IN)
TOTAL DL (KIPS)	TOTAL LL+I (KIPS)	HORIZONTAL (KIPS)		
25	32	4	.013	.41"

NOTE:

THE ONE WAY MOVEMENT SHOWN ON THE BEARING TABLE IS THE MAXIMUM MOVEMENT (EXPANSION OR CONTRACTION) OF THE SUPERSTRUCTURE WHEN BEARINGS AND SUPERSTRUCTURE ARE SET AT 45° F.

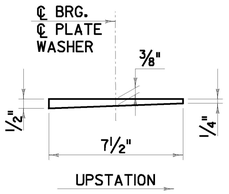
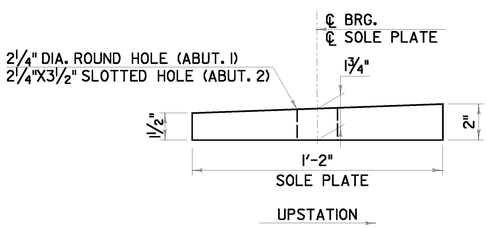


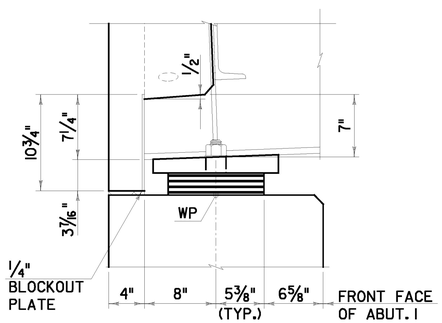
PLATE WASHER DETAIL

SCALE: 3" = 1'-0"



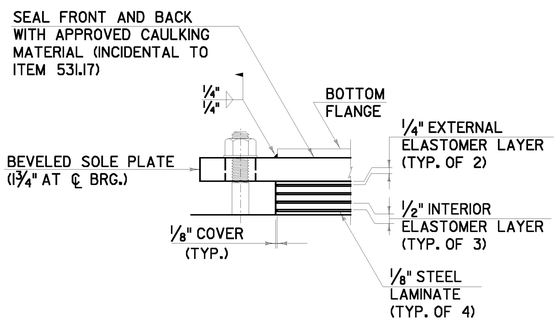
SOLE PLATE DETAIL

SCALE: 3" = 1'-0"



SIDE ELEVATION

(ABUT. 1 SHOWN, ABUT. 2 SIMILAR)
SCALE: 1½" = 1'-0"



DETAIL 2

(ABUT. 1 SHOWN, ABUT. 2 SIMILAR)
NOT TO SCALE

SCALE 1½" = 1'-0"
9 6 3 0

SCALE 3" = 1'-0"
9 6 3 0

CHA

BEARING DETAILS

PROJECT NAME: JERICHO
PROJECT NUMBER: STP FTBR (3)

PROJECT LEADER: M.D.S.
DESIGNED BY: D.M.D.
PLOT DATE: 4/7/2014
DRAWN BY: D.M.D.
CHECKED BY: P.M.P.
SHEET 29 OF 62

FILE NAME = V:\Projects\ANY\K2\21113\CADD\MSTN\08F004\Consultants\08f004bearingdetails.dgn
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