

	Subject: <u>Girder Bracing Design</u>		
	Comp by: <u>MLS</u>	Date: <u>09/13/18</u>	Sheet Number: <u> </u> of <u> </u>
	Check by: <u>PRS</u>	Job Number: <u>135-17-1</u>	

Analysis Number: 4
Analysis Tag: 4

Design Load: -2.466046525 7.706408748 -2.42659919 7.583135578 -0.747052817 2.331430984

	Member 1		Member 2		Member 3	
	Design Compressive Strg of Brace., ΦP_n (kip)	Design Tensile Strg of Brace., ΦP_n (kip)	Design Compressive Strg of Brace., ΦP_n (kip)	Design Tensile Strg of Brace., ΦP_n (kip)	Design Compressive Strg of Brace., ΦP_n (kip)	Design Tensile Strg of Brace., ΦP_n (kip)
HDPB 5'-9'	9.98	10.30	10.34	10.34	10.21	10.34
HDPB 7'-11'	9.98	10.30	10.34	10.34	10.21	10.34
HDPB 10'-15'	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
HDPB 12'-20'	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
HDPB 15'-26'	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
HDPB 22'-35'	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
MB 5'-8'	9.98	10.30	11.86	11.89	10.21	10.51
MB 8'-14'	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

	Number of Lines						Number of Lines
HDPB 5'-9'	1.00	1.00	1.00	1.00	1.00	1.00	1.00
HDPB 7'-11'	1.00	1.00	1.00	1.00	1.00	1.00	1.00
HDPB 10'-15'	-	-	-	-	-	-	NG
HDPB 12'-20'	-	-	-	-	-	-	NG
HDPB 15'-26'	-	-	-	-	-	-	NG
HDPB 22'-35'	-	-	-	-	-	-	NG
MB 5'-8'	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MB 8'-14'	-	-	-	-	-	-	NG

Stiffness: 4825836.947

TODO Stiffness Check