

	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: 1  
Analysis Tag: 1

Design Load: -2.636382339    13.18210204    -2.31745174    11.58742583    -0.661069678    3.298687184

	Member 1		Member 2		Member 3	
	Design Compressive Strg of Brace., $\Phi P_n$ (kip)	Design Tensile Strg of Brace., $\Phi P_n$ (kip)	Design Compressive Strg of Brace., $\Phi P_n$ (kip)	Design Tensile Strg of Brace., $\Phi P_n$ (kip)	Design Compressive Strg of Brace., $\Phi P_n$ (kip)	Design Tensile Strg of Brace., $\Phi P_n$ (kip)
HDPB 5'-9'	9.58	9.93	10.34	10.34	9.80	10.14
HDPB 7'-11'	9.58	9.93	10.34	10.34	9.80	10.14
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'	9.58	9.93	11.86	11.89	9.80	10.14
MB 8'-14'	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

	Check					
HDPB 5'-9'	OK	NG	OK	NG	OK	OK
HDPB 7'-11'	OK	NG	OK	NG	OK	OK
HDPB 10'-15'	-	-	-	-	-	-
HDPB 12'-20'	-	-	-	-	-	-
HDPB 15'-26'	-	-	-	-	-	-
HDPB 22'-35'	-	-	-	-	-	-
MB 5'-8'	OK	NG	OK	OK	OK	OK
MB 8'-14'	-	-	-	-	-	-

Stiffness: 5994033.786

TODO Stiffness Check