

TABLE: Steel Beam Envelope - AISC 360-10

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Section Class	Conn. V I-End	Conn. V J-End
									kN	kN
N+3.55	B76	239	IPE200	$0.049 = 1.844\text{E-}04 + 0.049 + 0$	1.2D+1.6L+0.5Lr	0.016	0	Seismic HD	-4.52	3.38
N+3.55	B200	240	IPE200	$0.082 = 4.497\text{E-}04 + 0.081 + 1.065\text{E-}04$	1.2D+1EX+0.3EY+1L	0.017	0	Seismic HD	-10.65	11.19
N+3.55	B201	241	IPE200	$0.85 = 0 + 0.85 + 0$	1.2D+0.3EX+1EY+1L	2.057	0	Seismic HD	0	5.78
N+3.55	B202	242	IPE200	$0.287 = 0 + 0.287 + 0$	1.4D	0.755	0	Seismic HD	174.83	4.89
N+3.55	B203	243	IPE200	$0.097 = 0.001 + 0.097 + 0$	1.2D+0.3EX+1EY+1L	0.027	0	Seismic HD	-7.98	4.28
N+3.55	B1	255	IPE200	$0.07 = 0.001 + 0.069 + 0$	1.2D+1EX+0.3EY+1L	0.014	0	Seismic HD	6.12	7.53
N+3.55	B2	256	IPE200	$0.142 = 0 + 0.142 + 0$	1.2D+1.6L+0.5Lr	0.018	0	Seismic HD	-6.12	6.14
N+3.55	B3	257	IPE200	$0.072 = 2.536\text{E-}04 + 0.071 + 0$	1.2D+1EX+0.3EY+1L	0.013	0	Seismic HD	-6.85	5.44
N+3.55	B4	258	IPE200	$0.089 = 0.001 + 0.088 + 4.309\text{E-}04$	0.9D+0.3EX+1EY	0.024	0	Seismic HD	17.19	18.26
N+00	B46	264	IPE240	$0.066 = 0.008 + 0.058 + 0.001$	1.2D+1EX+0.3EY+1L	0.03	0.001	Seismic HD	0	0
N+00	B64	272	IPE270	$0.389 = 0 + 0.389 + 0$	1.2D+1.6L+0.5Lr	0.092	0	Seismic HD	-42.49	41.98
N+00	B65	273	IPE270	$0.281 = 0.007 + 0.272 + 0.002$	1.2D+1EX+0.3EY+1L	0.092	0	Seismic HD	-43.49	40.26
N+00	B76	132	IPE200	$0.045 = 0.001 + 0.041 + 0.003$	1.2D+1EX+0.3EY+1L	0.008	0	Seismic HD	-5.89	5.92
N+00	B200	285	IPE200	$0.016 = 0 + 0.014 + 0.003$	1.2D+1EX+0.3EY+1L	0.004	0	Seismic HD	0	0.83
N+00	B205	290	IPE240	$0.823 = 1.777\text{E-}04 + 0.823 + 0$	1.2D+1.6L+0.5Lr	0.196	0	Seismic HD	7.49	60.35
N+00	B1	300	IPE200	$0.247 = 0.005 + 0.239 + 0.003$	1.2D+1EX+0.3EY+1L	0.014	0.0001029	Seismic HD	-9.67	9.65
N+00	B2	125	IPE200	$0.129 = 0 + 0.126 + 0.002$	1.2D+1EX+0.3EY+1L	0.006	0	Seismic HD	-2.8	2.76
N+00	B3	302	IPE200	$0.305 = 0.018 + 0.272 + 0.016$	1.2D+1EX+0.3EY+1L	0.015	0.0004811	Seismic HD	-9.67	8.87
N+00	B4	303	IPE200	$0.43 = 0.001 + 0.423 + 0.005$	1.2D+1.6L+0.5Lr	0.073	0.001	Seismic HD	-19.7	-19.16
N+00	B6	133	IPE200	$0.175 = 0.003 + 0.172 + 3.177\text{E-}04$	1.2D+1EX+0.3EY+1L	0.079	0	Seismic HD	-24.13	29.36
N+00	B9	265	IPE270	$0.026 = 2.244\text{E-}04 + 0.009 + 0.016$	0.9D+1EX+0.3EY	0.003	0.001	Seismic HD	0	2.38
N+00	B10	308	IPE200	$0.133 = 4.973\text{E-}04 + 0.109 + 0.024$	1.2D+1EX+0.3EY+1L	0.023	0.001	Seismic HD	-14.26	-13.53
N+00	B238	207	IPE200	$0.088 = 0.008 + 0.078 + 0.003$	1.2D+1EX+0.3EY+1L	0.018	0.0003512	Seismic HD	-6.41	7.27
N+00	B239	208	IPE200	$0.243 = 0.064 + 0.177 + 0.002$	1.2D+0.3EX+1EY+1L	0.025	0	Seismic HD	0	3.05
N+00	B241	211	IPE200	$0.116 = 0.003 + 0.112 + 0.002$	1.2D+1EX+0.3EY+1L	0.033	0.0001571	Seismic HD	-7.83	9.16
N+00	B242	212	pts120x60x2	$0.155 = 0.001 + 0.154 + 0$	1.2D+1.6L+0.5Lr	0.018	0	Non-Compact	1.52	1.52
N+00	B243	213	pts120x60x2	$0.154 = 0 + 0.154 + 0$	1.2D+1.6L+0.5Lr	0.018	0	Non-Compact	1.52	1.52
N+00	B244	214	pts120x60x2	$0.154 = 3.512\text{E-}04 + 0.154 + 0$	1.2D+1.6L+0.5Lr	0.018	0	Non-Compact	1.52	1.52
N+00	B245	220	pts120x60x2	$0.155 = 0.001 + 0.154 + 0$	1.2D+1.6L+0.5Lr	0.018	0	Non-Compact	1.52	1.52
N+00	B246	262	pts120x60x2	$0.156 = 0.002 + 0.154 + 0$	1.2D+1.6L+0.5Lr	0.018	0	Non-Compact	1.52	1.52
N+00	B247	267	pts120x60x2	$0.154 = 3.853\text{E-}04 + 0.154 + 0$	1.2D+1.6L+0.5Lr	0.018	0	Non-Compact	1.52	1.52
N+00	B248	268	pts120x60x2	$0.154 = 3.858\text{E-}04 + 0.154 + 0$	1.2D+1.6L+0.5Lr	0.018	0	Non-Compact	1.52	1.52
N+00	B249	269	pts120x60x2	$0.155 = 0.001 + 0.154 + 0$	1.2D+1.6L+0.5Lr	0.018	0	Non-Compact	1.52	1.52
N+00	B47	141	IPE330	$0.172 = 0.001 + 0.172 + 0$	1.2D+1.6L+0.5Lr	0.057	0.000147	Seismic HD	0	0
N+00	B8	146	IPE270	$0.43 = 4.514\text{E-}04 + 0.429 + 0$	1.2D+1.6L+0.5Lr	0.104	0	Seismic HD	0	0
N+00	B124	152	IPE270	$0.205 = 2.896\text{E-}04 + 0.204 + 0$	1.2D+1.6L+0.5Lr	0.085	0	Seismic HD	4.13	31.29
N+00	B125	153	IPE270	$0.386 = 0.001 + 0.385 + 0$	1.2D+1.6L+0.5Lr	0.092	0	Seismic HD	-42.48	41.56
N+00	B112	134	IPE300	$0.678 = 0.001 + 0.677 + 1.51\text{E-}04$	1.2D+1.6L+0.5Lr	0.203	0	Seismic HD	89.3	0
N+00	B116	147	IPE300	$0.366 = 0.003 + 0.363 + 2.991\text{E-}04$	1.2D+1.6L+0.5Lr	0.081	0	Seismic HD	0	0
N+00	B117	148	IPE270	$0.323 = 0.002 + 0.321 + 2.502\text{E-}04$	1.2D+1.6L+0.5Lr	0.114	0	Seismic HD	0	0
N+00	B118	149	IPE300	$0.817 = 2.427\text{E-}04 + 0.817 + 2.327\text{E-}04$	1.2D+1.6L+0.5Lr	0.237	0	Seismic HD	104.62	0
N+00	B119	150	IPE300	$0 = 0 + 0 + 0$	1.2D+1EX+0.3EY+1L	0	0	Seismic HD	0	0
N+00	B84	142	IPE270	$0.738 = 0.001 + 0.737 + 0$	1.2D+1.6L+0.5Lr	0.219	0	Seismic HD	0	80.71
N+00	B115	145	IPE270	$0.055 = 1.371\text{E-}04 + 0.039 + 0.015$	1.2D+1EX+0.3EY+1L	0.009	0.001	Seismic HD	0	3.62
N+00	B120	151	IPE270	$0.135 = 2.964\text{E-}04 + 0.134 + 1.514\text{E-}04$	1.2D+1.6L+0.5Lr	0.044	0	Seismic HD	0	16.39
N+00	B126	154	IPE270	$0.06 = 4.882\text{E-}04 + 0.059 + 2.204\text{E-}04$	1.2D+1.6L+0.5Lr	0.038	0	Seismic HD	-15.77	0
N+00	B127	159	IPE270	$0.573 = 0 + 0.573 + 0$	1.2D+1.6L+0.5Lr	0.136	0	Seismic HD	0	50.22