ENVIRO-BEAM$_{TM}$ SPAN/LOAD TABLE

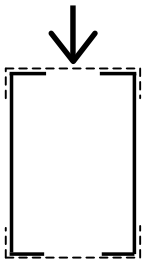
EB8-1.5-43 **8 " DEPTH**

Steel Shape [1] (2) 800T150-43

Steel thickness: 43 mil (0.0451 in - 18 ga) Flange Width: 1.5 in

Section Properties: I: 7.38 in^4 Fy: 33 ksi
S: 1.31 in^3

Max. Allowable Bending Moment [6] : Ma: 2158 lb-ft
Max. Allowable Beam Shear: Va: 2060 lb



Span [3] (ft)	**Maximum Allowable Uniformly Distributed Vertical Loads** [2] Pounds per Lineal Foot (lb/ft)					**Deflection Due to Critical Load** (in)	
	Load Controlled by:				**Critical Uniformly Distributed Load** [4,5,6,7]		
	Shear	**Bending** [6]	**Deflection**				
			L/240	**L/360**		**S, B or L/240**	**L/360**
4	1030	1079	7430	4953	**1030**	0.03	
5	824	691	3804	2536	**691**	0.05	
6	687	480	2201	1468	**480**	0.07	
7	588	352	1386	924	**352**	0.09	
8	515	270	929	619	**270**	0.12	
9	458	213	652	435	**213**	0.15	
10	412	173	475	317	**173**	0.18	
11	374	143	357	238	**143**	0.22	
12	343	120	275	183	**120**	0.26	
13	317	102	216	144	**102**	0.31	
14	294	88	173	116	**88**	0.36	
15	275	77	141	94	**77**	0.41	
16	257	67	116	77	**67**	0.46	

Notes:

1. Section designations and geometry are based on standard shapes defined by the Steel Stud Manufacturers Association (SSMA). Section properties are based on the 2001 NAS Specification.
2. All loads are service loads
3. Tables are extended to a maximum span/depth ratio of 24.
4. Critical Load is the lowest uniform load capacity based on Bending, Shear or Deflection.
5. Top and bottom tracks are required for proper stability of Enviro-Beam headers. Top and bottom tracks are not a part of the Envio-Beam header and must be designed by a qualified professional and be properly fastened to the flanges of the Enviro-Beam. As a minimum, top and bottom tracks shall be at least the same gauge as the Enviro-Beam header.
6. Bending capacities are based on the assumption that the compression flange is adequately laterally braced by a top track section. Lateral (wind or seismic) loads are assumed to be resisted by the top and bottom tracks and not by the Enviro-Beam header itself.
7. When Enviro-Beam header is supported by bearing on steel studs, stiffened end is required to resist web crippling. When end support is by screwed side plate connectors, stiffened end is not required. See stiffened end detail.