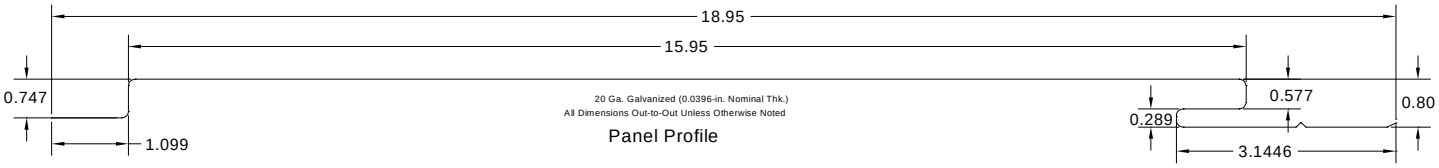
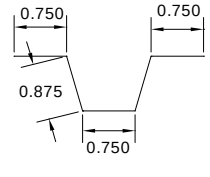
TransAmerican Strukturoc, Inc.

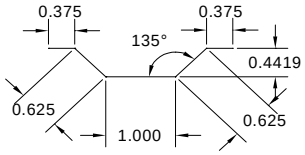
Stucco Wall Panel



Panel Profile



Strukturoc Hat-Channel



Locking Clip

SECTION PROPERTIES							
Section	Gage	Panel Weight (Lbs./SF)	Base Metal Thickness (In.)	Positive Bending [5]		Negative Bending [5]	
				I_p (In^4/ft.)	S_p (In^3/ft.)	I_n (In^4/ft.)	S_n (In^3/ft.)
Standard	20	1.99	0.0359	0.0194	0.0428	0.0223	0.0314
w/ Locking Clip	20	2.06	0.0359	0.0281	0.0506	0.0256	0.0363

1. Structural properties are in accordance with 2001 AISI Cold Formed Steel Specifications.
2. Steel yield strength, Fy = 50 ksi.
3. Thicknesses shown are design thicknesses without coating.
4. Effective moment of inertia (I_p, I_n) is computed at allowable moment (F = 30 ksi).
5. Positive bending places nominal 16-in. flat in compression, whereas negative bending places flat in tension.

ALLOWABLE UNIFORM WIND PRESSURE [1,3,6], PSF (POSITIVE/NEGATIVE)						
Section	Center-to-Center Support Spacing					
	L = 2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"
Standard [4,5]	+65/-33	+65/-33	+65/-33	+50/-33	+39/-33	+31/-33
w/ Locking Clip	+65/-61	+65/-61	+65/-61	+57/-61	+45/-61	+36/-50

1. Tabulated pressures are taken as the lesser value determined from bending strength in accordance with the 2001 AISI Cold Formed Steel Specifications, and the maximum test pressures obtained using ASTM E330-02, as outlined in NTA, Inc. test reports TL112103-21 and TAS022304-29.
2. Pressures are for panels with one or more spans.
3. Deflection limit of L/120 is not exceeded under the pressures above.
4. Locking Clip profile requires one Locking Clip at each seam on each support.
5. Panels must be secured to a Strukturoc Hat-Channel at each support location. Panels must be secured to each flange of hat-channel. Connections must be designed by other for the required loads, but the fasteners used should not be less than 1 1/4 x 7/8 in., self drilling screws into each flange of the hat-channel. Hat-channel must be fully supported by a purlin or girt.
6. The wind load is permitted to be taken as 0.7 times the "component and cladding" loads for the purpose of determining deflection limits (ref. IBC Table 1604.3, note f)