



Innovative Metals Company
 4648 South Old Peachtree Road
 Norcross, GA 30071

Print

Pressure Calculations

Phone Number: 770.908.1030

Date: 5/16/2023
 Sales Rep: Mendelson/Mulligan/Faville
 City: San Rafael
 State: CA

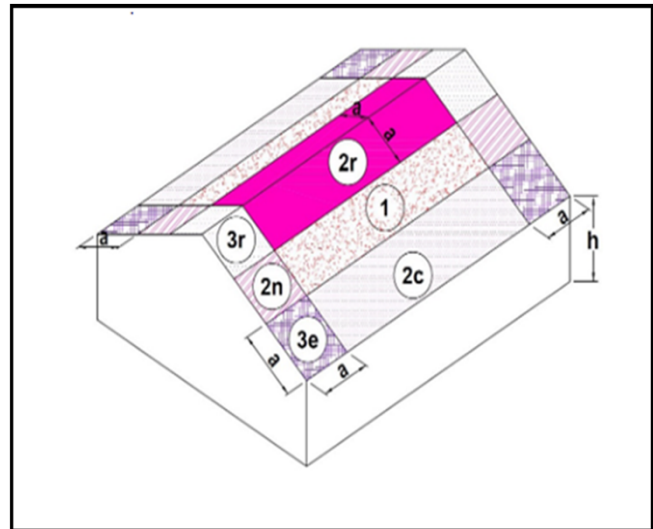
Project Name: ES VENETIA VALLEY - RESTROOMS ADDITIONS
 Roof Sections: SS Roof

Design Code: ASCE 7-16
 Exposure Category: C
 Importance Factor: III
 Wind Speed: 98
 Design Roof Height: 15
 Minimum Building Width: 32
 Roof Pitch (X, Y): 2.5 : 12
 Roof Angle: 11.77 deg
 Parapet: No

Base Velocity Pressure: 10.6
 Roof Type: Gable
 Edge Zones:
 Width: 3 ft 3 inches
 ft
 ft

Note: Zone 3 Width and Length Only Apply To Specific Conditions in ASCE 7-16

Zone Image



Panel Type: S-300
 16 in
 0.040 Aluminum
 Fastener: Wood: Concealor #14-13 DP1
 Fasteners per clip: 2
 Fastener Safety Factor: 3
 Clip Pry Coefficient: 1.65
 Ultimate Fastener Pullout: 475
 Allowable Clip Load: 192
 Panel Safety Factor: 1.67

Zone Pressures (psf)

ZONE 1	ZONE 2e	ZONE 2n	ZONE 2r	ZONE 3e	ZONE 3r	Zone 4	Zone 5
27.1	27.1	37.8	37.8	37.8	44.2	17.6	20.8

NOTES: Calcs per IAPMO report #686

Clip Spacing ft / in

ZONE 1		ZONE 2e		ZONE 2n		Zone 4	Zone 5
5	0	5	0	3	6	5	5
ZONE 2r		ZONE 3e		ZONE 3r			
3	6	3	6	3	0		