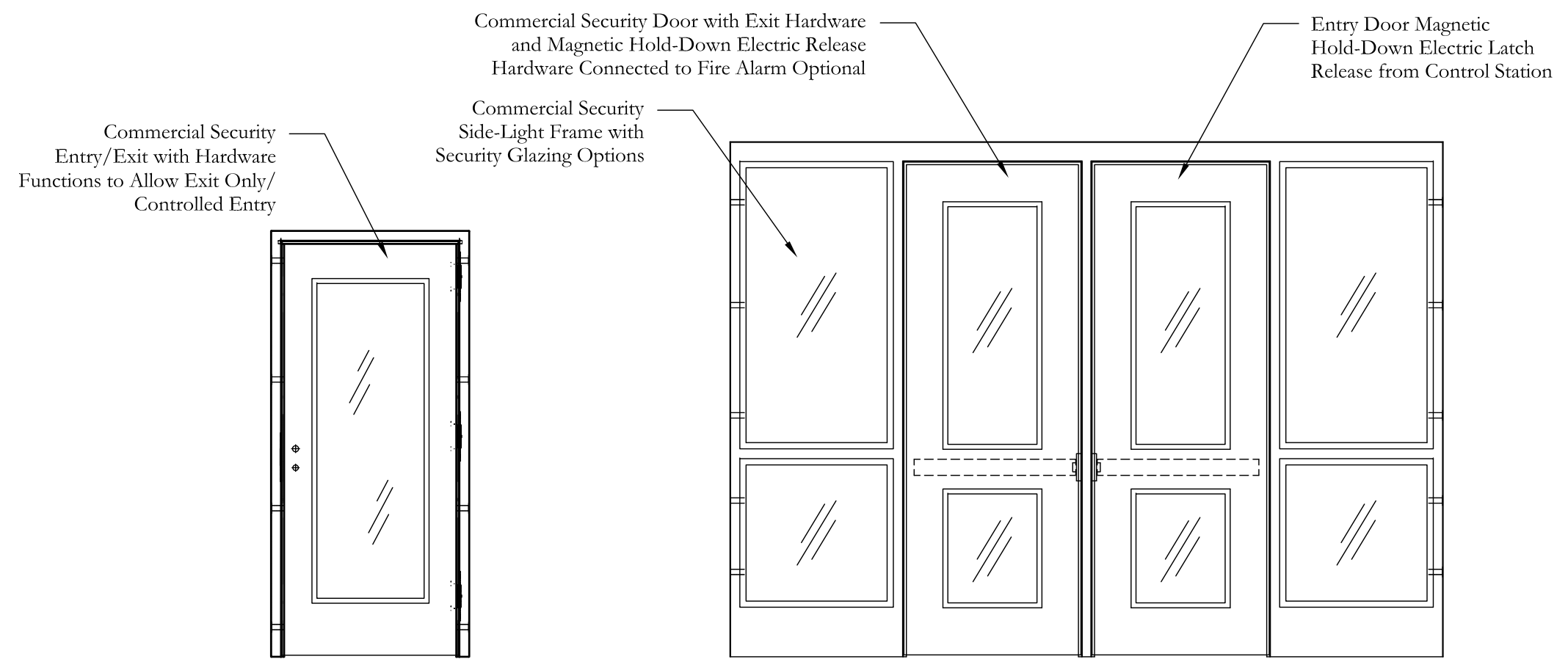
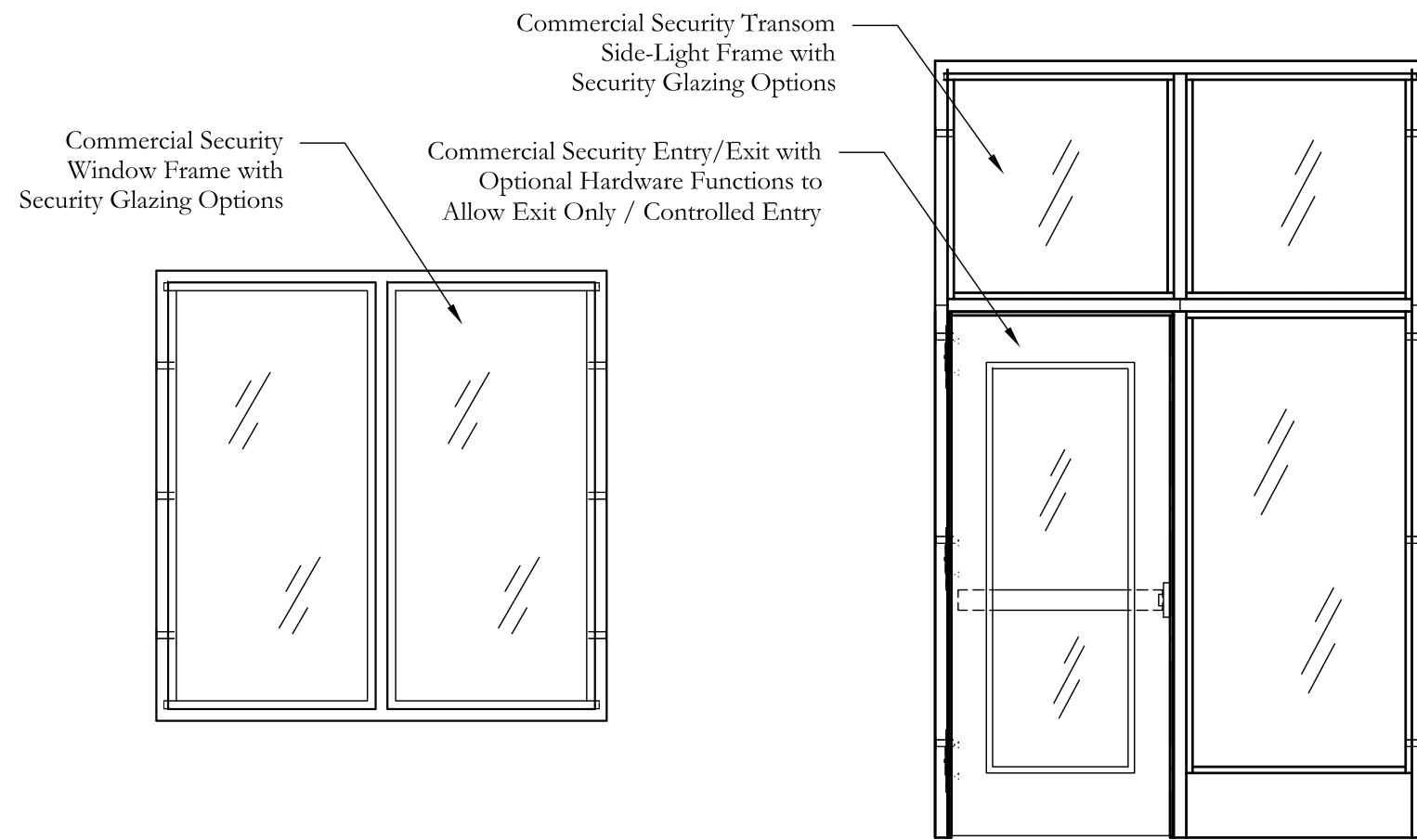
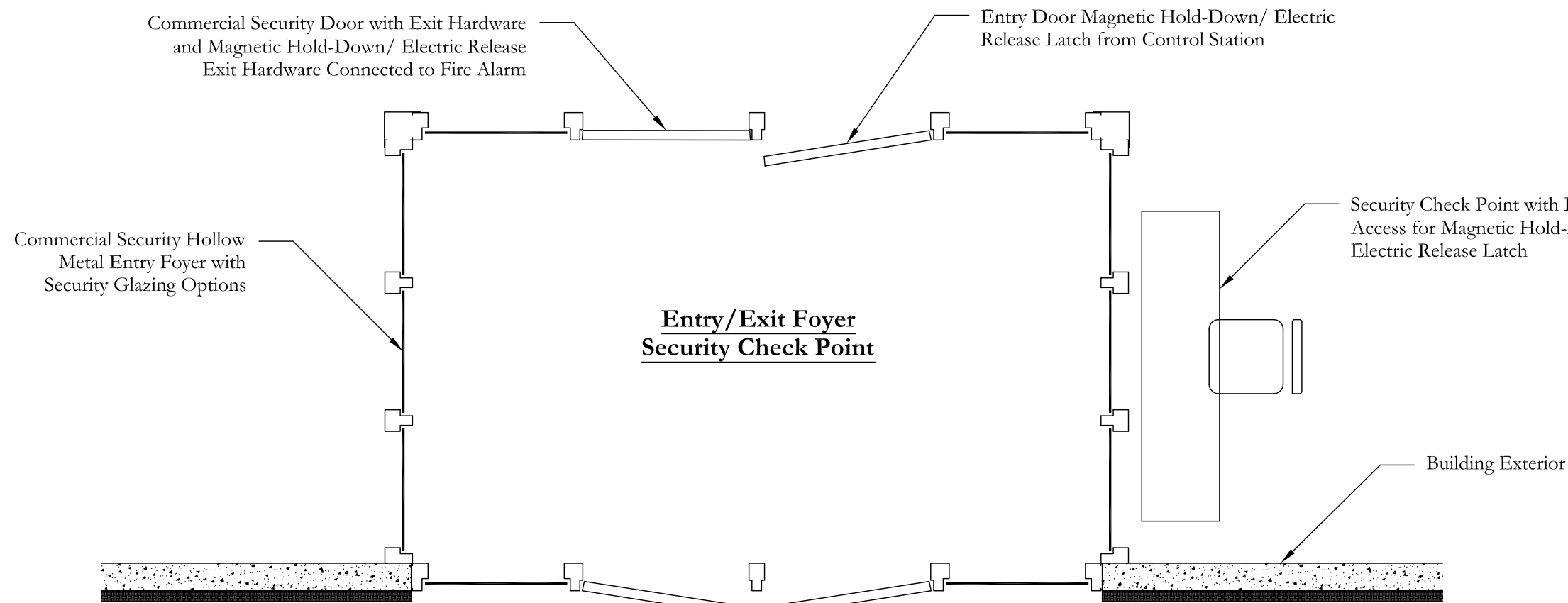


# Habersham Metal Products Company - Security, Blast, Bullet Resistance, FEBR Forced Entry - Tech Data Sheet



## Security Control Entry Foyer and Exit Way (Commercial Security Hollow Metal Option)



### NARRATIVE

Habersham has developed a full line of Security, Blast, Bullet Resistant and Forced Entry doors, windows, enclosures, louvers and roof/escape hatches. All accompanied by 3rd party testing with fire and fire egress options available.

There is a ever-growing need for security measures against the public in international/domestic terrorism, vandalism, theft and civil unrest prone buildings and structures.

We have worked with the following sectors to develop custom security solutions; domestic and international governments, military, port authorities, hospitality, petro-chemical, education, religious institutions, historic up-arming/ retrofits, residential, private/public corporations and financial institutions.

We have a product mix that addresses the various potential threats such as, bullet resistance from handguns up through assault rifle attack; blast resistance for a variety types of blast attacks, and forced entry resistance up through 60 minute break-in and battering type attacks, all having fire protection capabilities as needed. We can draw from these capabilities in order to develop designs that address physical security applications taking into consideration the best solution against the anticipated threat.

NAAMM/HMMA - (National Association of Architectural Metals Manufacturers / Hollow Metal Manufacturers Association) [www.naamm.org](http://www.naamm.org)

HMMA 862-03 - Guide Specifications for Commercial Security Hollow Metal Doors and Frames

### BULLET PENETRATION

When specified by the contract documents, test door assemblies for bullet penetration resistance in accordance with Level 1- 3, 4, 5, 7, and 8 UL-752 (UL listing file BP4470).

Bullet Resistant Standards - UL (Underwriters Laboratories) [www.ul.com](http://www.ul.com)

Model	UL 752 Level	Description
BR-38	Level 1	9mm full metal jacket with lead core.
BR-357	Level 2	.357 Magnum jacketed lead soft point.
BR-44	Level 3	.44 Magnum lead semi-wadcutter gas checked.
BR-3006	Level 4	.30 Caliber rifle lead core soft point.
BR-762	Level 5	7.62mm Rifle lead core full metal copper jacket, military ball.
BR-556	Level 7	5.56mm Rifle full metal jacket with lead core.
BR-762A	Level 8	7.62mm Rifle lead core full metal copper jacket, military ball. (Multiple hits)

### IMPACT TESTING

Impact testing under this section is performed using the methods and testing equipment described in ASTM F 1450 for hard body impacting and ASTM F 1592 for all vision system impact testing. Hardware must be of equal rating.

### FORCED ENTRY ATTACK TEST

Door and frame and/or window assemblies tested in accordance with SD-STD-01.01, Revision G, Certification Standard for Forced Entry and Ballistic Resistance of Structural Systems. Use Table 1 for pass/fail criteria

### BLAST RESISTANCE

Blast resistance up to 15 psig static tested to ASTM F2247. 82 psi short duration less than 246 psi.msec impulse. Higher blast ratings and glazing options subject to project specific analysis.

### FIRE RATINGS

Fire ratings up to 3 Hour in accordance with UL9, UL 10c, NFPA 80. (UL listing Files R3904 R4446 R15281)

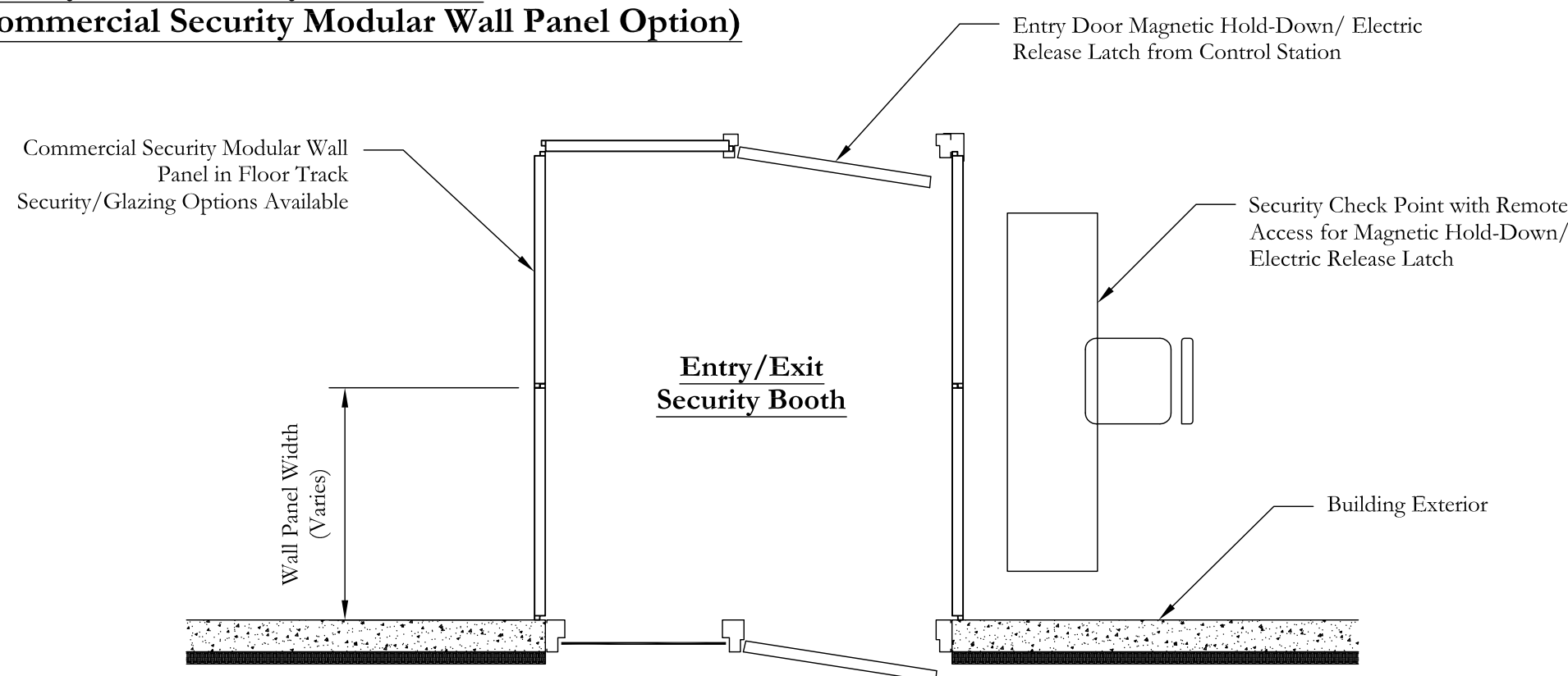
### THERMAL RATINGS (Door Panel Average Center Construction)

Option #1 -	R-Value 1.786 (degF hr sqft) / Btu	U-Factor 0.560 Btu / (degF hr sqft)
Option #2 -	R-Value 2.077 (degF hr sqft) / Btu	U-Factor 0.482 Btu / (degF hr sqft)
Option #3 -	R-Value 2.580 (degF hr sqft) / Btu	U-Factor 0.388 Btu / (degF hr sqft)

### WINDSTORM RATINGS (Door and Frame Window Frame Sidelight Door and Frame)

Door and Frame - +/-104 psf (+/- 291 psf Static Pressure) ASTM E330, ASTM E1886/ E1996, TAS 201, TAS 202, TAS 203 ASTM E331 ASTM E283 - Warnock Hersey Intertek Label Number W/N 20541  
Window Frame Sidelight Frame - +/-104 psf (+/- 291 psf Static Pressure) ASTM E330, ASTM E1886/ E1996, TAS 201, TAS 202, TAS 203 ASTM E331 ASTM E283 - Warnock Hersey Intertek Label Number W/N 20541

## Security Control Entry Exit Booth (Commercial Security Modular Wall Panel Option)



DESIGNED BY	DATE	2-16-18
	DRAWN BY	JSIII
JOB	Tech Data Sheet - Ballistics, Blast FEBR Security Products	HMP ELEVATION
	DRAWING NAME	HMMA 862 Commercial Security Hollow Metal
MATERIAL	RELEASE	3-22-18
	SCALE	1/1

**PROPRIETARY AND CONFIDENTIAL**  
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