

FIBERGLASS ENCLOSURES



GFI Composites Ltd

FIBERGLASS SHELTERS FOR THE WATER, WASTE WATER AND INDUSTRIAL USE.

Lightweight, Insulated Fiberglass Shelters Won't Corrode, Rot, Rust or Decay!

Because of the way we construct our enclosure units, these enclosures are perfectly suited to service a multitude of different applications in the Water, Waste Water and Water Treatment industries. GFI Composites enclosure units are strong enough to withstand any temperature, any weather, any corrosive conditions and maintain their good looks virtually maintenance-free. They resist damage from impact, chemicals, water, UV rays. They can be installed in less than a day, by just a few people, using common equipment likely to be present on typical job sites. They are super-strong and super-light.

Applications:

- Pumping Stations & Headworks
- Chemical Feed
- Chlorination
- Dichlorination
- Sludge Dewatering
- Motor Control Centers
- Flow Meters & Samplers
- Aeration Blowers
- Sludge Pumps
- Water Booster Pumps
- Chemical Storage
- Well Covers
- Grit Washer Enclosures
- Sanitary Lift Stations



All shelters are made to order and built to each customer's unique specifications—any size, any color, any components, any specifications.

Features	Benefits
Fiberglass surface with encapsulated core materials	Improves strength, longevity, structural integrity and energy efficiency
Maintenance-free design	Lowest lifetime cost of ownership
50+ year lifespan	Confidence and peace of mind
Lightweight design	Shrinks construction costs such as freight and crane costs
Corrosion Resistant	Will not deteriorate, rust or decay
Impact Resistant	Can absorb impact without damage
Energy Efficient	Lowers energy costs
UV Resistant	Minimizes fading and chalking on exterior surfaces
Easy to Install	Cuts construction and labor costs
Non- Conductive	Reduces grounding requirements
RF Transparent	Improves communications
Field Erectable	Allows freedom to build on site in hard-to-reach locations
Custom, Flexible Design	Design to fit all needs

COMMERCIAL FINISH – (Peak Roof with Fiberglass Finish)

- 1.0 a. Framing
 - 2" x 4" c/c pressure treated lumber
- b. Fasteners
 - S/S Deck Screws
- c. Insulation
 - Walls and roof: R12 insulation (Expanded polystyrene)
- d. Inner Shell
 - 1/2" plywood
 - 1/16" thick hand-laid fiberglass (1.5oz / sqft)
 - 2 coats of gelcoat
- e. Outer Shell
 - 1/2" plywood
 - 1/8" thick hand-laid fiberglass (3.0 oz/ sqft)
 - 2 coats of gelcoat
- f. Door
 - 2" thick solid insulation S.M. R10
 - Hinges, cam-locks and weather strips
 - Inner shell: 1/16" thick hand-laid fiberglass (1.5 oz / sqft)
 - Outer shell: 1/8" thick hand-laid fiberglass (3.0 oz / sqft)
 - 2 coats of gelcoat on inner and outer shell



1004



935



425



2023



6075



1000



9001



424



212



606



1092



9089



417



218



6016



7061



9105



415



2056



309



7060



9002



4750



2055



6076



7064



930



4798



5100



9140



941



4799



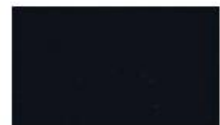
512



7547



7065



8001



575



516



560

Fiberglass Doors Hardware and Accessories

External Alarm Light & Horn For Gas Detectors

An external alarm light with combination audible horn is an electronic device designed to alert operators and other personnel both visually and audibly to a specific danger.

Most commonly an external alarm light and horn is used with a gas leak detector to warn of gas leaks before entering a structure or room.

Features

- Single compact unit
- Wall mounting
- LED strobe light with red lens
- 90 dB Audible horn
- Weather resistant

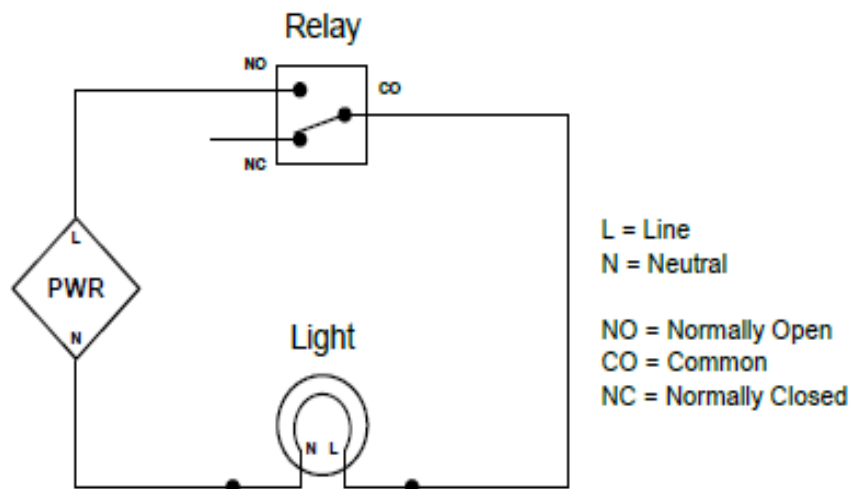


Available Models

- GA-AL-110 (110VAC)
- GA-AL-220 (220VAC)

The external alarm light & horn is an optional accessory for use with all Hydro Instruments gas leak detection equipment. The alarm light connects to a relay inside the gas detector monitor. This can be a sensor specific relay or a common relay.

Figure 1: Normally Open Circuit



OPX Explosion-Proof Sloped Top Convector Heater



Features

Color

- Standard: beige.

Voltage

- 120V, 208V, 240V, 347V, 480V, 600V, 1 or 3-phase.

Construction

- Sloped top, 18-gauge steel cabinet.
- Low temperature convection.
- Linear high-limit temperature control with automatic reset.
- Sealed junction box. ¹

Heating element

- Cooper tubular heating element with aluminum fins. ²

Watt density

- Varies according to temperature code.

Control

- Built-in or wall thermostat available.

Installation

- Built-in wall brackets. ³
- Minimum mounting height of 6 in. (152 mm) above the floor.

Warranty

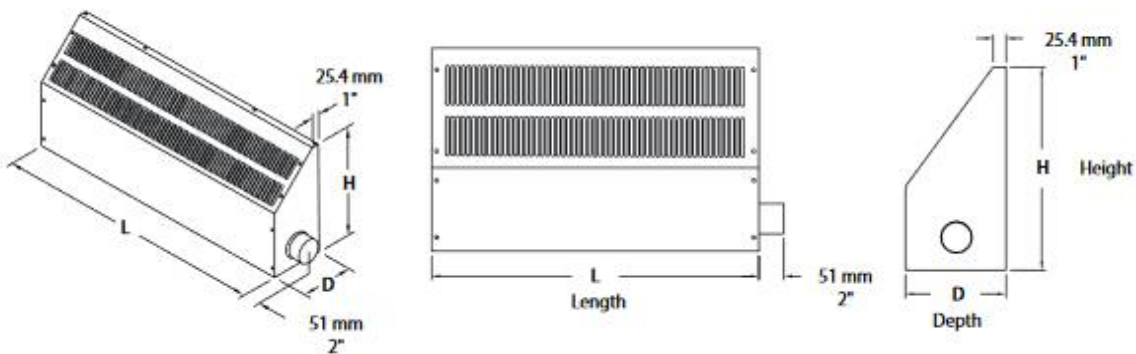
- 1-year warranty against defects.

Application

- Paint room, chemical storage, petrochemical plant, oil refinery, dry cleaning plant, coal handling facility.

Maximum room temperature: 40 °C (104 °F).

Consult the Electrical Code in your area before installing this unit.



Unit Sizes	L		H		D		Weight	
	mm	in.	m	in.	m	in.	kg	lb
1	660	26	150	6	110	4 1/2	6	13
2	660	26	410	16	200	8	12	27
3	990	39	410	16	200	8	16	36
4	1710	67 1/2	410	16	200	8	27	60

OPX

Models

Watts	Product #						T° Code ²	Model
	120V (1 ph)	208V (1 ph)	208V (3 ph)	240V (1 ph)	480V (3 ph)			
Class I, Groups B¹, C and D, Divisions 1 and 2								
500	OPX2A0502	OPX2A0508	-	OPX2A0500	-		T2A	1
1000	OPX2A1002	OPX2A1008	-	OPX2A1000	-		T2A	1
1800	OPX2A1802	OPX2A1808	-	OPX2A1800	OPX2A1834-CTT		T2A	2
2500	-	OPX2A2508	OPX2A2538-CTT	OPX2A2500	OPX2A2534-CTT		T2A	2
3600	-	OPX2A3608	OPX2A3638-CTT	OPX2A3600	OPX2A3634-CTT		T2A	3
4400	-	-	OPX2A4438-CTT	OPX2A4400	OPX2A4434-CTT		T2A	3
6500	-	-	OPX2A6538-CTT	OPX2A6500-CTT	OPX2A6534-CTT		T2A	4
7500	-	-	OPX2A7538-CTT	OPX2A7500-CTT	OPX2A7534-CTT		T2A	4
9500	-	-	OPX2A9538-CTT	OPX2A9500-CTT	OPX2A9534-CTT		T2A	4
Class I, Groups B¹, C and D, Divisions 1 and 2								
500	OPX3A0502	OPX3A0508	-	OPX3A0500	-		T3A	1
1400	OPX3A1402	OPX3A1408	-	OPX3A1400	-		T3A	2
2300	OPX3A2302	OPX3A2308	OPX3A2338-CTT	OPX3A2300	OPX3A2334-CTT		T3A	3
3200	-	OPX3A3208	OPX3A3238-CTT	OPX3A3200	OPX3A3234-CTT		T3A	4
5000	-	-	OPX3A5038-CTT	OPX3A5000	OPX3A5034-CTT		T3A	4
Class II, Groups E, F and G, Divisions 1 and 2								
500	OPX3C0502	OPX3C0508	-	OPX3C0500	-		T3C	1
1000	OPX3C1002	OPX3C1008	-	OPX3C1000	-		T3C	2
1700	OPX3C1702	OPX3C1708	-	OPX3C1700	OPX3C1734-CTT		T3C	3
3200	-	OPX3C3208	OPX3C3238-CTT	OPX3C3200	OPX3C3234-CTT		T3C	4

Options

Product # Kit	Product # Factory Installed*	Description
-	CTT ¹	24V contactor and control transformer
-	T ¹	Class I and II, Groups C, D, E, F and G single-pole thermostat
-	TGRB ¹	Class I and II, Groups B, C, D, E, F and G single-pole thermostat
XB-TM	-	Explosion-proof wall thermostat, range de -18 °C to 40 °C (0 °F to 100 °F); 15A at 600V, 25A at 277V
-	C1 ⁴	Galvanized steel cabinet wet area approved (Type 3)
-	C2 ⁴	304 stainless steel cabinet corrosion and wet area approved (Type 3)

* For factory installed options, add the option number to the product number. See the **Product Code** section inside the front cover.

¹ No factory installed option available for model 1.

² Temperature code: T2A = 280 °C (536 °F), T3A = 180 °C (356 °F), T3C = 160 °C (320 °F).

³ For Group B applications: if the convector requires a built-in thermostat, use the TGRB option.

⁴ See features below.

For any other ratings and risk areas, contact our customer service.

Standard color is beige.

Features of the C1 Option

Galvanized steel cabinet wet area approved with a baked on powder coating.

Elements with a chromate coating.

A gasketed terminal box cover (O-ring).

The option C1 is not available with the T option and the TGRB option. Allow a 4 weeks production lead time.

Features of the C2 Option

304 stainless steel cabinet corrosion and wet area (Type 3) approved with a baked on powder coating.

Elements with a chromate coating.

A gasketed terminal box cover (O-ring).

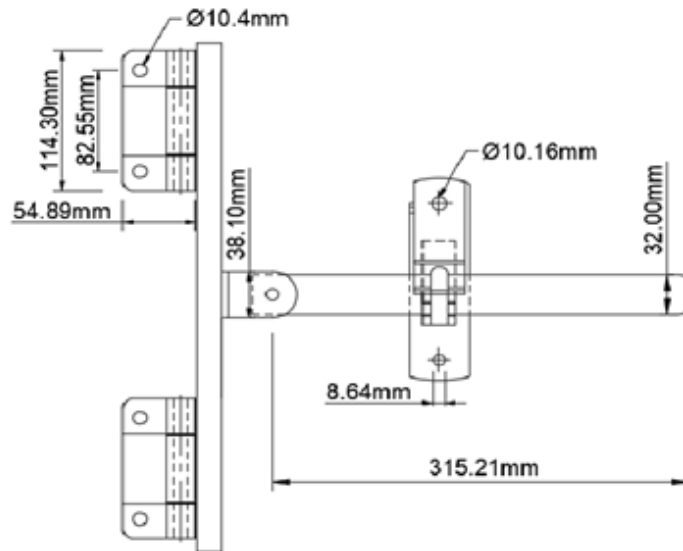
ONLY the cabinet is upgraded to stainless steel.

The option C2 is not available with the T option and the TGRB option. Allow a 4 weeks production lead time.

Hinged Cam Lock

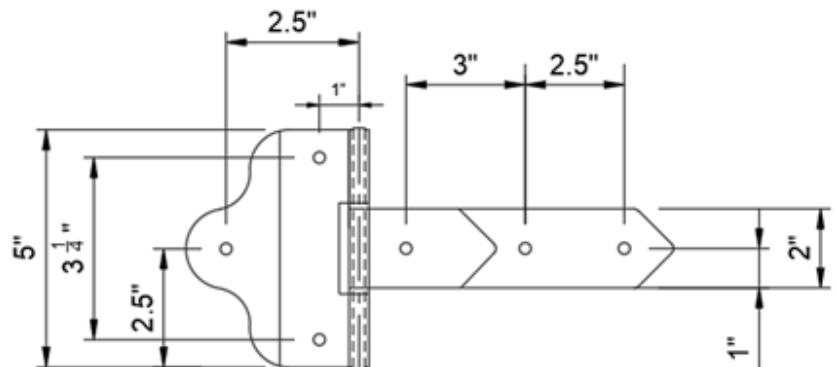
PRL 3057

Hinged locks for FRP or Metalply side foors where a conventional type lock cannot be used. The tubing welded to the hinge brackets, compresses the edge of the door into the door opening. (tubing not included)




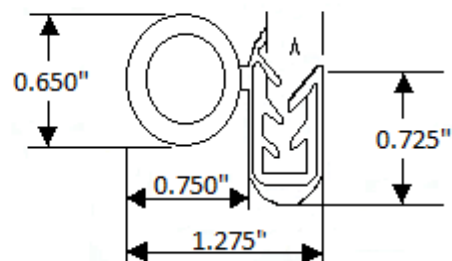
8" Hinges

Prod.#: 754-1104



Edge Trim With Weatherstrip

Prod. #	Color	For Material Up To	Roll	
623-0138	Black	1/4"	300' (90m)	min. 25' (7.6m)





NOTES:

1. CONSTRUCTED IN ACCORDANCE WITH CAN/CSA B66-M90
2. CONSTRUCTED WITH FIBERGLASS
3. INSULATED WITH R12 15 INSULATION
4. BASE INSIDE FLANGE FOR ANCHORING SYSTEM
5. TWO VENTS ON OPPOSITE SIDES

MANUFACTURED BY:

GFI COMPOSITES LTD
130 WINNONISH DRIVE
BAY BULLS, NL
A0A 1C0

TITLE:

LIFT STATION
ENCLOSURE

SCALE:

NTS

DATE:

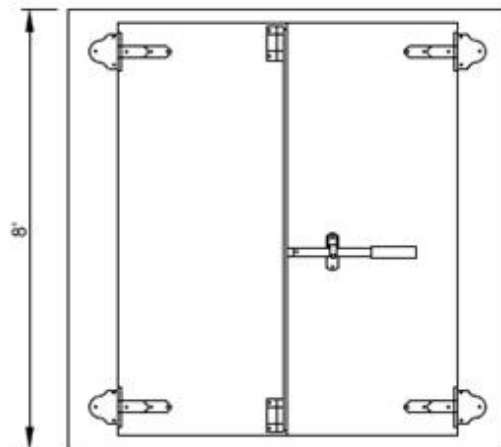
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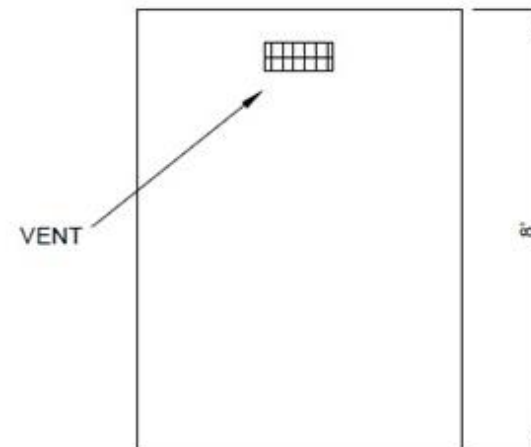
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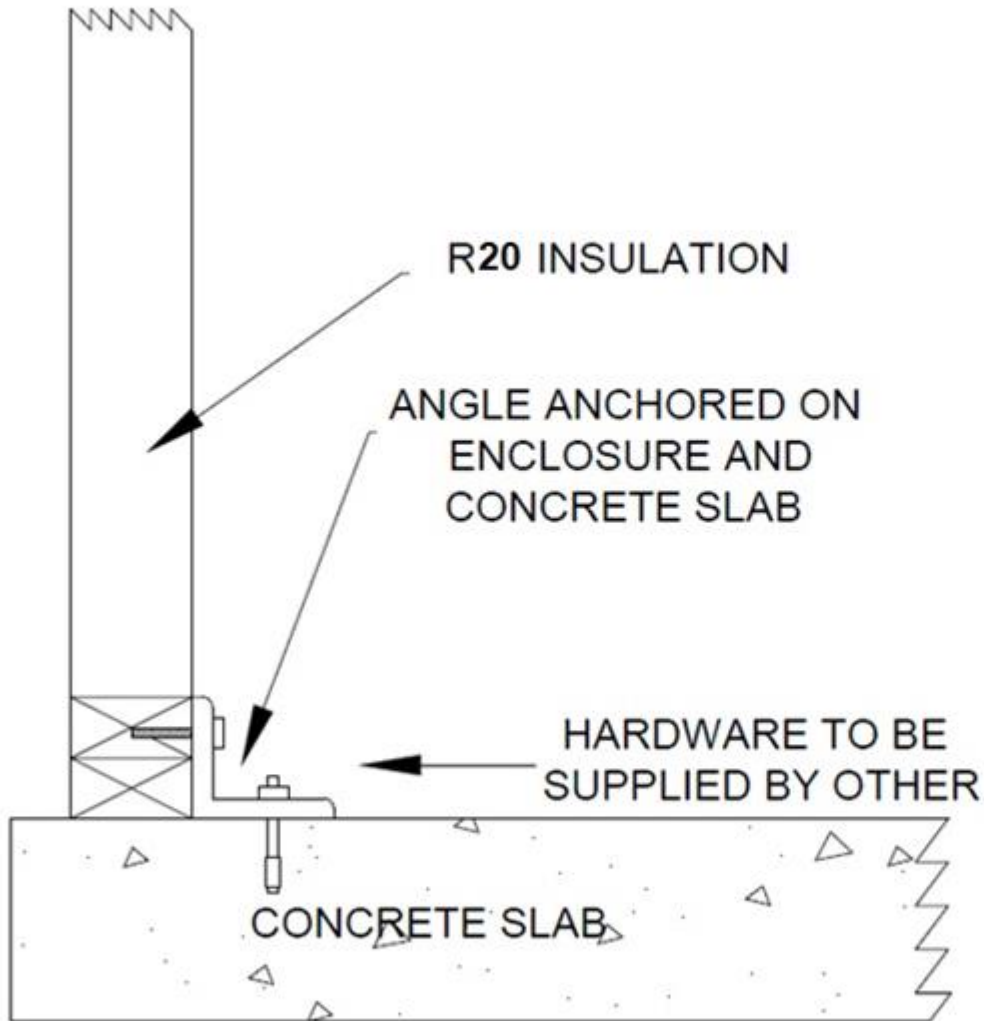
1 OF 2



1 FRONT VIEW



2 SIDE VIEW



- NOTES:
1. CONSTRUCTED IN ACCORDANCE WITH CAN/CSA B66-M90
 2. CONSTRUCTED WITH GEL-COAT AND FIBERGLASS
 3. INSULATED WITH R12 15 INSULATION
 4. BASE INSIDE FLANGE FOR ANCHORING
 5. TWO VENTS ON OPPOSITE SIDES

MANUFACTURED BY:
GFI COMPOSITES LTD
130 WINNONISH DRIVE
BAY BULLS, NL
A0A 1C0

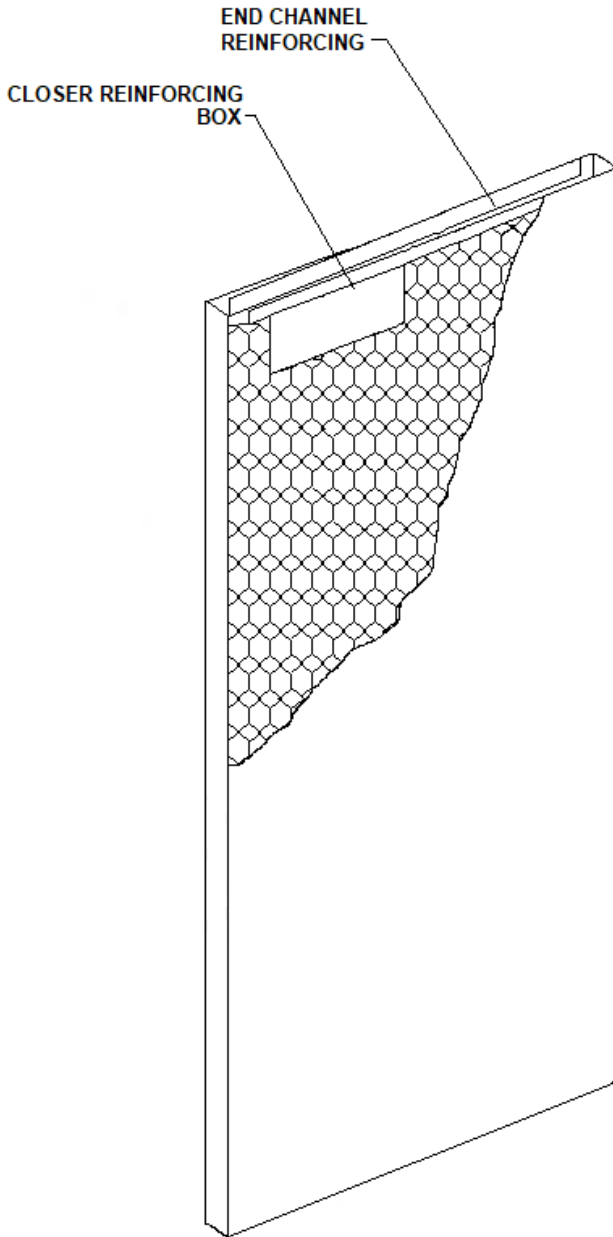
TITLE:
COMPRESSOR
ENCLOSURE

SCALE: NTS	DATE: 2/7/2018
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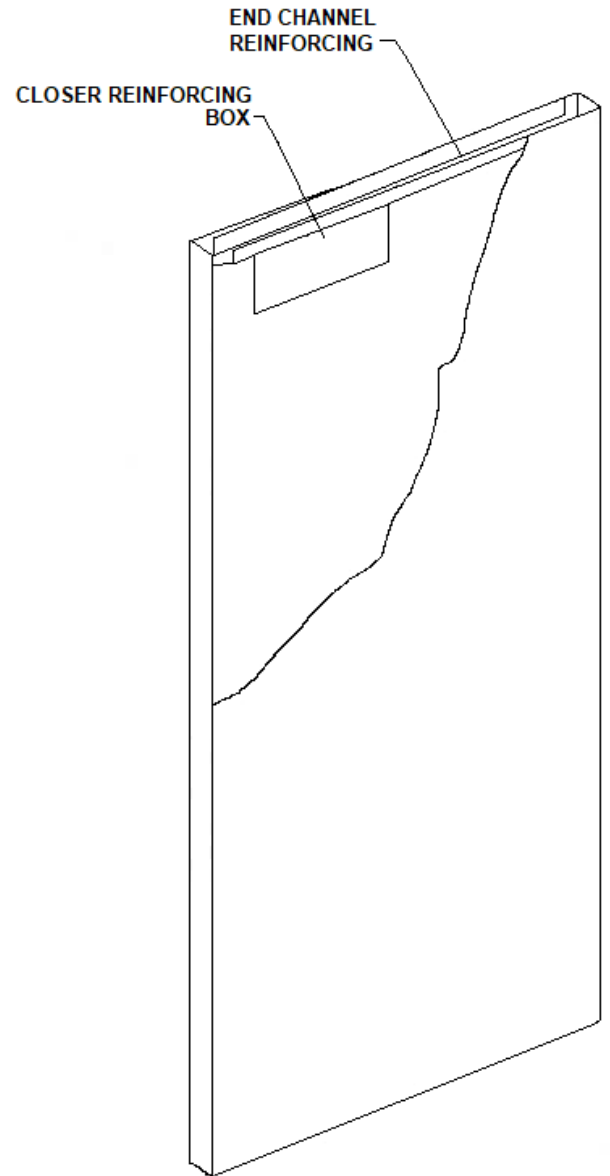
FILE NAME: GFI LFT	SHEET NO: 2 OF 2
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STANDARD DOOR CONSTRUCTION



HONEYCOMB



**POLYSTYRENE OR
POLYURETHANE**