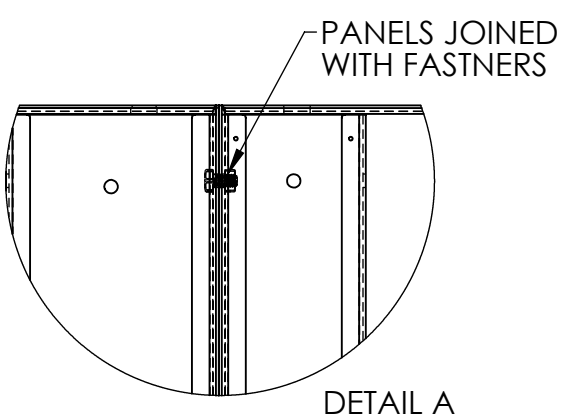
MOD WALL STANDARD FEATURES

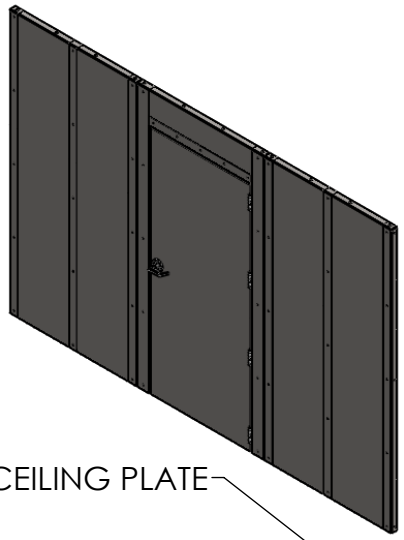
- -TYPE 304 SS 18GA WALL PANEL CONSTRUCTION
- -INNER WALL STUDS - 16GA CONSTRUCTION
- -2" THICK WALL
- -1-1/2" THICK DOOR
- -LEVER HANDLE LOCKABLE DOOR

OPTIONS

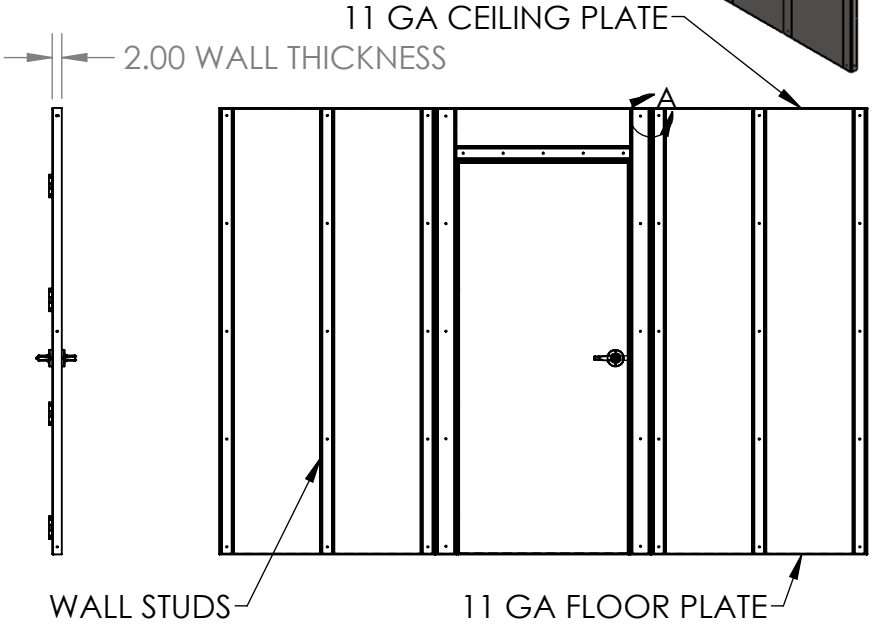
- -OPTIONAL FINISHED BACKS
- -OPTIONAL WALL INSULATION
- -OPTIONAL DOOR WINDOW
- -OPTIONAL DOOR VENTS
- -LEFT HAND OR RIGHT HAND DOOR SWING



DETAIL A
SCALE 1 : 4



FRONT



BACK

UNLESS OTHERWISE SPECIFIED:	REV.	REVISION DESCRIPTION	DRAWN	CHECKED	DATE	COMMENTS:
DIMENSIONS ARE IN INCHES TOLERANCES: ANGULAR ±2.50° ONE-PLACE ±0.5 TWO-PLACE ±0.13	A	STANDARD PRINT CREATED	JLC		5/3/23	

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QTY: N/A

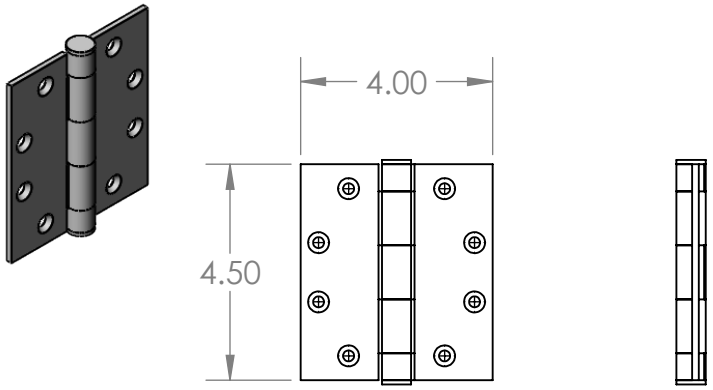
INTER DYNE
SYSTEMS, INC
676 E. Ellis Rd., Norton Shores, MI 49441
Phone: 231-799-8760 Fax: 231-799-9690

PART NO.

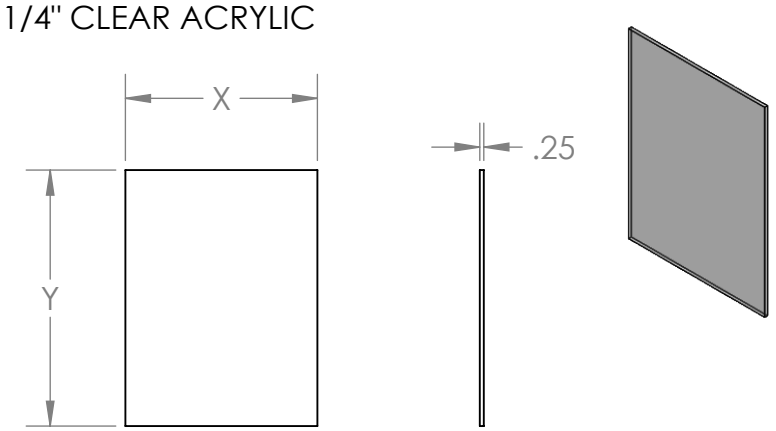
MOD WALL

MATERIAL:

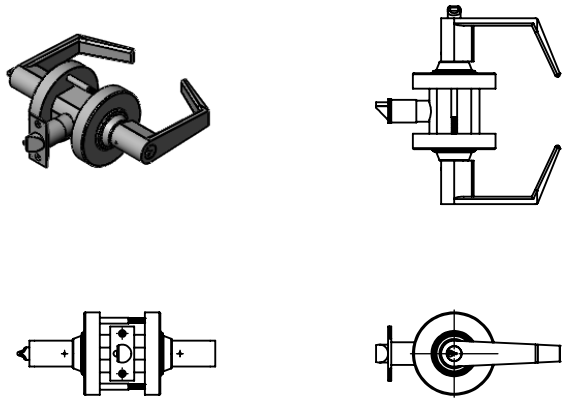
FINISH: 304 #4



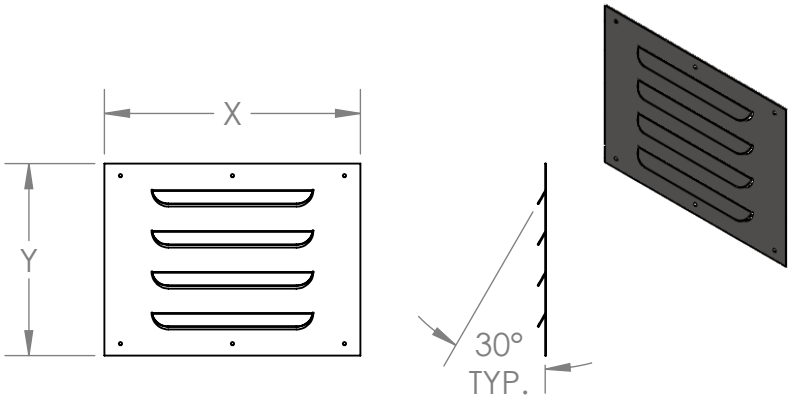
5 KNUCKLE DOOR HINGE - MCMASTER CARR #1781A44



OPTIONAL DOOR WINDOW - S.S. TRIM INCLUDED



SCHLAGE LOCKABLE DOOR HANDLE



OPTIONAL DOOR VENT - MECHANICALLY FASTENED

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES:
ANGULAR ±2.50°
ONE-PLACE ±0.5
TWO-PLACE ±0.13

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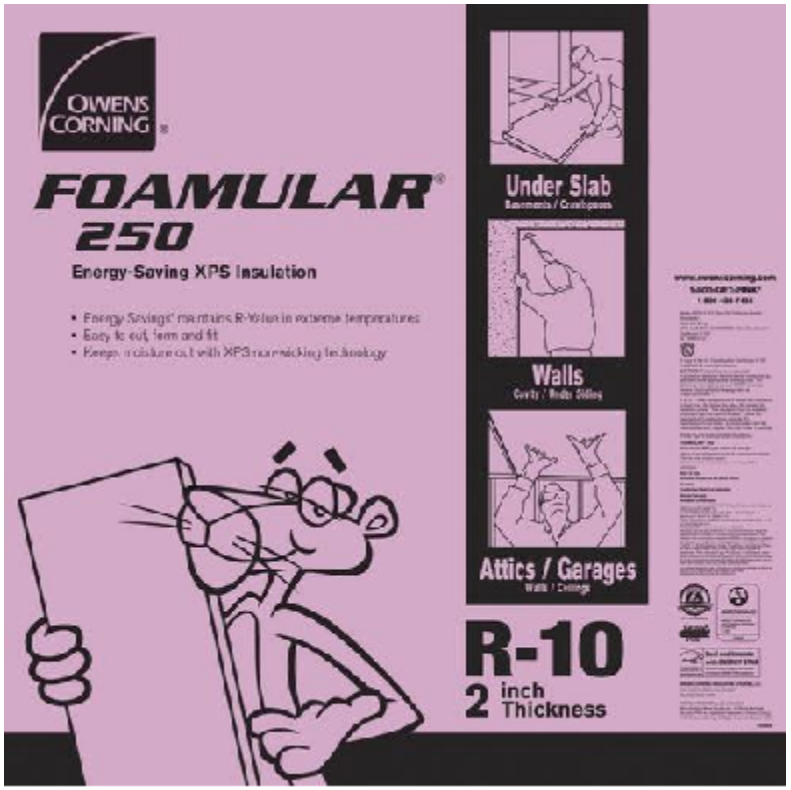

OPTIONAL FOAM BOARD INSULATION

EXTRUDED POLYSTYRENE INSULATION
CLOSED CELL, MOISTURE-RESISTANT
MAINTAINS 90% OF R-VALUE

Physical Properties[4]

PROPERTY	TEST METHOD[5]	VALUE
Thermal Resistance,[6] R-Value, hr·ft²·°F/Btu (RSI, °C·m²/W) @ 75°F (24°C) mean temperature	ASTM C518	5.0 (0.88)
@ 40°F (4.4°C) mean temperature		5.4 (0.95)
@ 25°F (-3.9°C) mean temperature		5.6 (0.99)
Long-Term Thermal Resistance, LTTR-Value[7], minimum hr·ft²·°F/Btu (RSI, °C·m²/W) @ 75°F (24°C) mean temperature	CAN/ULC S770-03	5.0 (0.88)
Compressive Strength[7], minimum psi (kPa)	ASTM D1621	25 (172)
Flexural Strength[8], minimum psi (kPa)	ASTM C203	50 (345)
Water Absorption[9], maximum % by volume	ASTM C272	0.3
Water Vapor Permeance[10] maximum perm (ng/Pa·s·m²)	ASTM E96	1.5 (86)
Dimensional Stability, maximum % linear change	ASTM D2126	2.0
Flame Spread[11,12]	ASTM E84	10
Smoke Developed[11,12]	ASTM E84	175
Oxygen Index[11], minimum % by volume	ASTM D2863	24
Service Temperature, maximum °F (°C)	-	165 (74)
Linear Coefficient of Thermal Expansion, in/in/°F (m/m/°C)	ASTM E228	3.5 x 10⁻⁵ (6.3 x 10⁻⁵)

4 Properties shown are representative values for 1" thick material, unless otherwise specified.
5 Modified as required to meet ASTM C578
6 R means the resistance to heat flow; the higher the value, the greater the insulation power. This insulation must be installed properly to get the marked R-value. Follow the manufacturer's instructions carefully. If a manufacturer's fact sheet is not provided with the material shipment, request this and review it carefully. R-values vary depending on many factors, including the mean temperature at which the test is conducted and the age of the sample at the time of testing. The U.S. FTC requires the R-value of home insulation to be measured at 75 degrees F mean temperature. R-value claims should always be compare at the same mean temperature. Because rigid foam plastic insulation products are not all aged in accordance with the same standards, it is useful to publish comparison R-value data. The R-value for FOAMULAR® & FOAMULAR® NGX™ XPS Insulation is provided from testing at mean temperatures of: -4°C (25oF), 4.4°C (40°F), and 24°C (75°F) and aging techniques of 180-day real time aged (as mandated by ASTM C578) and accelerated aging "Long-Term Thermal Resistance" (LTTR) per CAN/ULC S770-03.
7 Values at yield or 10% deflection, whichever occurs first.
8 Value at yield or 5%, whichever occurs first.
9 Data ranges from 0.00 to value shown due to the level of precision of the test method.
10 Water vapor permeance decreases as thickness increases.
11 These laboratory tests are not intended to describe the hazards presented by this material under actual fire conditions.
12 Data from Underwriters Laboratories Inc.® classified. See Classification Certificate U-197.

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PART NO.

MOD WALL

MATERIAL:

FINISH: 304 #4

PRODUCT DESCRIPTION

CAFCO-BOARD / ISOLATEK Type CB is a rigid mineral wool board which combines fire protection, thermal insulation and acoustical control all in one product.

With the ability to be installed during any phase of construction, regardless of roof traffic, temperature or substrate condition, CAFCO-BOARD / ISOLATEK Type CB is the ideal solution for fast paced projects.

PRODUCT ADVANTAGES

- *Lasting in-place performance – mechanically fastened*
- *70% recycled content (pre-consumer)*
- *Inorganic composition*
- *Available in pre-manufactured thicknesses according to UL design criteria*
- *Choice of unfaced, silver or white foil faced finish*
- *NRC of up to 1.1 for noise reduction coefficient*
- *Thermal resistance (R-value) up to 4.2*

OPTIONAL MINERAL WOOL BOARD
24" X 48" X 1" - CUT TO FIT CAVITIES

70% RECYCLED CONTENT
THERMAL REISTANCE UP TO 4.2
MOISTURE RETARDANT
FIRE RESISTANT - FIRE BLOCK RATED
MOLD RESISTANT
SOUND PROOFING INSULATION

Technical Information

Nominal Density	9 pcf (144 kg/m³)
Standard Dimension	2' x 4' (610 x 1219 mm)
Thickness Range	1" to 4½" (25 to 114 mm)
Finish	Unfaced, silver foil faced, white foil faced
Recycled Content	70% (pre-consumer)
Method of Attachment	Patented friction fit Cafclips, welded pins and clinch shields

Hourly Rating

FIRE TEST PERFORMANCE

CAFCO-BOARD / ISOLATEK Type CB has been extensively tested for fire resistance and is rated for up to 4 hours for floor assemblies, beams, joists, columns, and roof assemblies.

- Classified by UL in accordance with ANSI/UL 263 (ASTM E119)
- Classified by UL in accordance with CAN/ULC-S101 (ASTM E119)

CAFCO-BOARD / ISOLATEK Type CB has also been tested for surface burning characteristics in accordance with ASTM E84 and is rated Class A.

Plain	Flame Spread 0	Smoke Developed 0
Foil Faced	Flame Spread 15	Smoke Developed 5

Thermal Performance

Product	Conductivity(k)*	Resistance (R/inch)
CAFCO-BOARD ISOLATEK Type CB	0.24 BTU in/hr ft²°F @ 75°F (0.034 W/m•K@24° C)	4.2

*When tested in accordance with ASTM C518

Noise Reduction Coefficients*

1/3 Octave Band Center Frequency HZ

	125	250	500	1000	2000	4000	NRC
2 in (51 mm)	0.18	0.75	1.17	1.06	1.00	0.81	1.00
4 in (102 mm)	0.49	1.11	1.11	1.14	0.97	0.84	1.10

* Data on Unfaced CAFCO-BOARD / ISOLATEK TYPE CB, when tested in accordance with ASTM C423

Sound Transmission Class (STC) Data

1 in (25 mm)	10
2 in (51 mm)	15
3 in (76 mm)	18

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