

# Code Compliance Research Report CCRR-0173

Issue Date: 09-22-2011 Revision Date: 04-14-2025 Renewal Date: 04-30-2026

# DIVISION: 08 00 00 – OPENINGS Section: 08 45 00 – Translucent Wall and Roof Assemblies

#### **REPORT HOLDER:**

Kalwall Corporation 1111 Candia Rd Manchester, NH 03109 (603) 627-3861 www.kalwall.com

#### **REPORT SUBJECT:**

Kalwall Translucent Sandwich Panels

#### **1.0 SCOPE OF EVALUATION**

**1.1** This Research Report addresses compliance with the following Codes:

- 2024, 2021 and 2018 International Building Code® (IBC)
- 2024, 2021 and 2018 International Residential Code<sup>®</sup> (IRC)

NOTE: This report references the most recent Code editions noted. Section numbers in earlier editions may differ

**1.2** *Kalwall* Translucent Sandwich Panels have been evaluated for the following properties

- Physical Properties
- Structural Performance
- Surface Burning
- Fire Classification
- Durability
- Water Resistance
- Air Infiltration

**1.3** *Kalwall* Translucent Sandwich Panels have been evaluated for the following uses:

• *Kalwall* Translucent Sandwich Panels are lighttransmitting roof and wall panels, and/or plastic glazing as defined in IBC Section 2602, and conforming to IBC Section 2606, Light Transmitting Plastics.

#### 2.0 STATEMENT OF COMPLIANCE

*Kalwall* Translucent Sandwich Panels comply with the Codes listed in Section 1.1, for the properties stated in Section 1.2 and uses stated in Section 1.3, when installed as described in this report, including the Conditions of Use stated in Section 6.

#### 2.1 2024 IBC and IRC Evaluation Reports

The Intertek CCRR is an *Evaluation Report* for approval of an alternate material, design, or method of construction in accordance with Section 104.2.3.6.1 of the 2024 IBC and Section R104.2.2.6.1 of the 2024 IRC.

#### 3.0 DESCRIPTION

**3.1** *Kalwall* Translucent Sandwich Panels consist of fiberglass-reinforced plastic (FRP) translucent face sheets that are permanently bonded with an adhesive to a grid-frame core, constructed of interlocked, structural aluminum I-beams. Panels are 2-3/4"and 4" nominal thickness with 4' widths, and lengths up to 20'. See Figures 2 through 4.

**3.1.1** FRP facings are produced in various types for interior and exterior face panels. See Table 1 for face sheet types, thicknesses and plastic classifications.

**3.1.2** Grid members include an extruded aluminum (6005-T5) I-beam and various size thermally broken I-beams which consist of extruded aluminum (6005-T5) flanges and an FRP web. I-beams are configured in several different grids with I-beams spaced from 8" to 24" on center, see Table 3.

**3.1.2.1** Thermally Broken I-beams are produced in various sizes: 2-5/8" Light I-beam, 2-5/8" Heavy I-beam and 3-7/8" Heavy I-beam. The web is 0.07" thick fiberglass reinforced plastic which is permanently attached to extruded aluminum flanges by crimping and adhesion. See Figure 1.



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**3.1.2.2** Additional extruded aluminum (6063-T5 or 6063-T6) framing members utilized for field assembly and installation include heads, sills, and battens and may include a 3-1/4" integral stiffener. See Figures 2 through 4.

**3.2** Panels are fabricated in two different orientations of grid-core framing.

**3.2.1** Longitudinal grid-core framing utilizes continuous I-beams spanning the panel length (See Figure 2).

**3.2.2** Transverse grid-core framing utilizes continuous I-beam framing spanning the width of the panel. Transverse grid-core panels are supported throughout the panel length with either a continuous 3-¼" aluminum integral stiffener (See Figure 3) or external supports/ structural framing. See Figure for 4 for general detail of coping integral stiffener.

### 4.0 PERFORMANCE CHARACTERISTICS

**4.1** *Kalwall* Translucent Sandwich Panels are designed to support transverse loads applied normal to the panel face in flexure between continuous structural supports located at each end of the continuous grid-core framing members. Allowable spans and loads are based upon the design capacities of the grid-core framing members (See Table 2) and the integral stiffener (ISH) member for panels fabricated with transverse grid-core framing.

**4.1.1** Maximum allowable spans and transverse loads for the panels installed in accordance with this report are indicated in Tables 4 thru 12. Allowable spans and loads are determined by the lesser of the limiting conditions which include deflection, flexural strength, shear strength and web crippling. Maximum allowable spans in roof live load tables found in this report include consideration for a 300 lb. concentrated live load per Section 1607.4 and Table 1607.1 of the IBC. Maximum allowable roof spans must consider required roof live load and wind load and shall be governed by the lesser allowable span.

**4.2** Fire – Plastic combustibility classification, surface burning (finish) classification and roofing fire classification are presented in Table 1.

**4.3** FRP facing materials are a Class A, B or C finish material based upon flame spread and smoke development index determined in accordance with UL 723 for classification in accordance with IBC Section 803 (See Table 1).

**4.4** Specific roof panel assemblies are Class A or Class B roof covering systems determined in accordance with UL 790 for Fire classification in accordance with IBC Section 1505. See Table 1 for exterior facing types used with classified panels.

**4.5** Air Infiltration – The *Kalwall* Translucent Sandwich Panels have an air leakage less than 0.3  $cfm/ft^2$  when tested in accordance with ASTM E283.

### 5.0 INSTALLATION

#### 5.1 General:

Kalwall Translucent Sandwich Panels must be installed in accordance with the manufacturer's published installation instructions, the applicable Code, and this Research Report. A copy of the manufacturer's instructions must be available on the jobsite during installation.

**5.2** Kalwall Translucent Sandwich Panels' standard installation is the Clamp-tite<sup>™</sup> Installation System. Clamp-tite<sup>™</sup> uses two-piece aluminum extrusions with stainless steel screws and sealing tape for installation. An optional thermal brake incorporating an Insulbar<sup>®</sup> nylon bridge between aluminum extrusions may be used in applications limited to resisting wind load.

**5.3** Sealants – An elastic type of sealant, i.e. Kalseal, seals butting joints and all head, sill and jamb fasteners. A non-hardening type of bed caulk, i.e. Kalcaulk, seals between the opening and the interior head, sill, and jamb members.

# 6.0 CONDITIONS OF USE

**6.1** Installation must comply with this Research Report, the manufacturer's published installation instructions, and the applicable Code. In the event of a conflict, this report governs.

**6.2** The design and details of the *Kalwall* Translucent Sandwich Panel installation must be submitted to and approved by the code official for each project. Minimum







bearing for Integral stiffener members shall be designed in accordance with the Aluminum Design Manual, ADM1-20.

**6.3** Calculations for designs requiring load combinations must be submitted to and approved by the code official for each project.

**6.4** Calculations for designs requiring the inclusion of collateral loads must be submitted to and approved by the code official for each project.

**6.5** Where required by the building official, calculations shall be prepared and sealed by a licensed design professional according to the requirements in the jurisdiction where the project is located.

**6.6** Panel design capacities, as noted in Table 2, shall not be exceeded. No diaphragm values are assigned to the panels.

**6.7** Evaluation for the use of *Kalwall* Translucent Sandwich Panels as a component of a fire-resistant rated wall assembly is not within the scope of this report.

**6.8** Insulbar<sup>®</sup> support is limited to negative wind load in roof panel applications.

**6.9** For roof panels, water accumulation or water ponding shall be addressed in accordance with Footnote e of IBC Table 1604.3.

**6.10** *Kalwall* Translucent Sandwich Panel's roof installation for compliance with the IBC shall be in accordance with IBC Section 2609 through item 3 of 2609.1.

**6.11** Fiberglass Reinforced Plastic (FRP) sheets are manufactured under an approved quality control system with inspections by Underwriters Laboratory (AA-668)

**6.12** Classified roof panels in accordance with IBC Section 1505 are manufactured under an approved quality control system with follow-up inspections by Underwriters Laboratory (AA-668)

**6.13** *Kalwall* Translucent Sandwich Panels is manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc. (AA-647).

#### 7.0 SUPPORTING EVIDENCE

7.1 Manufacturer's drawings and installation instructions.7.2 Testing and engineering analysis demonstrating compliance with the following codes and standards:

**7.2.1** Acceptance Criteria for Translucent Fiberglass Reinforced Plastic (FRP) Faced Panel Wall, Roof and Skylight Systems (AC177), revised April 2017.

**7.2.2** Acceptance Criteria for Sandwich Panel Adhesives (AC05), revised July 2015.

**7.2.3** Transverse load tests in accordance with ASTM E 72-05, Standard Test Method of Conducting Strength Tests of Panels for Building Construction.

**7.2.4** Fire testing in accordance with UL 723-08, Standard for Test for Surface Burning Characteristics of Building Materials.

**7.2.5** Flexural testing for determination of Thermally Broken I-beam structural properties.

**7.2.6** Concentrated Static testing in accordance with ASTM E 661-88(1997), Test Method for Performance for Wood and Wood-Based Floor and Roof Sheathing Under Concentrated Static and Impact Loads.

**7.2.7** Tensile testing in accordance with ASTM D 638-03, Standard Test Method for Tensile Properties of Plastics.

**7.2.8** Air infiltration testing in accordance with ASTM E 283, Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.

**7.2.9** Fire testing of roof coverings in accordance with UL 790-04, Standard Test Methods for Fire Tests of Roof Coverings.

**7.2.10**Temperature Cycling testing in accordance with AC177 Section 4.9.







**7.2.11** Water penetration testing in accordance with ASTM E 547, Test Method for Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.

**7.3** Documentation of an Intertek approved quality control system for the manufacturing of products recognized in this report.

#### 8.0 IDENTIFICATION

The *Kalwall* Translucent Sandwich Panels are identified with the manufacturer's name (Kalwall Corporation), address and telephone number, the product name (*Kalwall* Translucent Sandwich Panels), the part number, the thickness and plastic classification (CC1 or CC2), identification of the exterior FRP face, for roof panels, the roof covering classification, interior finish (surface burning) classification (Class A, B, or C), the Intertek Mark as shown below, and the Code Compliance Research Report number (CCRR-0173).



9.0 OTHER CODES

This section is not applicable.

#### **10.0 CODE COMPLIANCE RESEARCH REPORT USE**

**10.1** Approval of building products and/or materials can only be granted by a building official having legal authority in the specific jurisdiction where approval is sought.

**10.2** Code Compliance Research Reports shall not be used in any manner that implies an endorsement of the product by Intertek.

**10.3** Reference to the <u>https://bpdirectory.intertek.com</u> is recommended to ascertain the current version and status of this report.

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FRP Face Sheet Types <sup>3</sup>		Thickness (inch)	Plastic Combustibility Classification <sup>1</sup>	Surface Burning Classification (UL 723)	Roof Fire Classification (UL 790) <sup>2,4</sup>
	Type S-171	0.045	CC1	Class B	N.A.
Interior Sheets	Type 25	0.045	CC1	Class A	N.A.
Sheets	Type B-3A	0.045	CC1	Class A	N.A.
	Type SW	0.070	CC2	Class C	N.A.
Exterior Sheets	Type SW-C	0.070	CC1	Class B	Class A
Sheets	Type A	0.070	CC1	Class A	Class A

**TABLE 1 - FIBERGLASS REINFORCED PLASTIC SHEET TYPES** 

<sup>1</sup>IBC Section 2606.4

<sup>2</sup>Roof fire classification is for the face sheet type when used in a classified roof panel assembly. See UL listing for complete description of the classified roof panel assembly.

<sup>3</sup>In special cases (e.g. screen wall, partition, canopy) panels may have either interior sheets or exterior sheets installed on both faces to meet code or performance requirements, with the limitation that interior sheets shall not be exposed to exterior conditions.

<sup>4</sup>Aluminum I-Beam panels may or may not include fiberglass insulation. Fiberglass insulation is required for Thermally Broken I-Beam panels. The fiberglass insulation is either DRAH-type with a nominal density of 0.5 pound per cubic foot or RAH-type with a nominal density of 0.27 pound per cubic foot.



FIGURE 1: GRID-CORE I-BEAMS







# FIGURE 2: LONGITUDINAL GRID-CORE FRAMING- WALL PANELS



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2 1/2" BATTEN



# **OPTIONAL THERMAL COVER**





**2" BATTEN** 







2 1/2" BATTEN

**OPTIONAL THERMAL COVER** 

FIGURE 3: WALL AND ROOF BATTEN OPTIONS









FIGURE 4: TRANSVERSE GRID-CORE FRAMING WITH INTEGRAL STIFFENER (ISH) - WALL AND ROOF PANELS



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FIGURE 5: LONGITUDINAL GRID-CORE FRAMING WITH BATTENS - ROOF PANELS







TABLE 2 - 4 WIDE LONGTIODINAL GRID PANEL CAPACITIES										
l-Beam	Shear S Max Sh	trength ear (lbs)	Bending Max Mom	Strength ent (ft·lbs)	Panel Stiffness Equiv. El (x10 <sup>6</sup> lbs∙in <sup>2</sup> )					
	12" x 24"	8" x 20"	12" x 24"	8″ x 20″	12" x 24"	8" x 20"				
2 5/8" Alum. I-Beam	5,750	8,050	1,148	1,607	9.27	12.98				
2 5/8" TBI (Light)	765	1,070	1,002	1,403	8.10	11.34				
2 5/8" TBI (Heavy)	890	1,181	1,361	1,905	11.00	15.40				
3 7/8" TBI (Heavy)	730	1,020	2,393	3,350	28.55	39.97				

# TABLE 2 AVAIDE LONGITUDINAL COLD DANEL CADACITIES

TABLE 3 - NOMINAL GRID-CORE MODULE CONFIGURATIONS										
Donal Crid	Cara Madula	Grid-Core I-E	Beam Spacing	Continuous I-Beam	3 ¼" Integral Heavy Stiffener (ISH) Span					
Panel Grid-		Continuous	Intermittent	Span						
Longitudinal	12" x 24"	12″ O.C.	24″ O.C.	Panel Length	NI / A					
Grid (Fig. 2)	8″ x 20″	8" O.C.	20″ O.C.	(See Span Tables)	N/A					
Transverse	12" x 24"	24" O.C.	12" O.C.	Panel Width	Panel Length <sup>1</sup>					
Grid with ISH (Fig. 3)	24" x 12"	12″ O.C.	24" O.C.	(4 Ft.)	(See Span Tables)					

<sup>1</sup>Allowable spans for transverse grid-core panels with external supports are greater than transverse grid-core panels with ISH supports.

#### **ROOF SPAN TABLES – 4' Wide Panels**

Maximum allowable spans include a panel dead load of 2 psf and 3 psf for 2 3/4" and 4" nominal panels respectively.

\* Panel deflections for wind load are taken at 0.7 times the tabulated loads in accordance with IBC Table 1604.3, note f.

\*\* Limited by 300 lb concentrated live load per IBC 1607.4







Crid Orientation	Crid Size			Liv	/e Load (L/e	50)		
Grid Orientation	Grid Size	20 PSF	30 PSF	40 PSF	50 PSF	60 PSF	70 PSF	80 PSF
Longitudinal Grid	12" x 24"	8-4"**	8'-4"**	7'-6"	6'-9"	6'-2"	5'-9"	5'-4"
(Fig. 2)	8" x 20"	10'- 10"**	9'-9"	8'-10"	8'-0"	7'-4"	6'-9"	6'-4"
<u>4 ft. Panel</u>	12" x 24"	19'-10"	16'-5"	14'-4"	12'-11"	-	-	-
with ISH (Fig. 3)	24" x 12"	19'-10"	16'-5"	14'-4"	12'-11"	11'-10"	10'-11"	10'-3"
Crid Orientation	Cuid Sine	Wind Load (L/60)*						
Grid Orientation	Grid Size	20 PSF	30 PSF	40 PSF	50 PSF	60 PSF	70 PSF	80 PSF
Longitudinal Grid	12" x 24"	10'-9"	8'-9"	7'-7"	6'-9"	6'-2"	5'-9"	5'-4"
(Fig. 2)	8″ x 20″	12'-8"	10'-4"	9'-0"	8'-0"	7'-4"	6'-9"	6'-4"
<u>4 ft. Panel</u>	12" x 24"	20'-6"	16'-9"	14'-6"	13'-0"	-	-	-
with ISH (Fig. 3)	24" x 12"	20'-6"	16'-9"	14'-6"	13'-0"	11'-10"	10'-11"	10'-3"

TABLE 4 – 2 3/4" ALUMINUM I-BEAM MAXIMUM ROOF SPANS (2:12 MINIMUM ROOF PITCH)

### ROOF SPAN TABLES - 4' Wide Panels (Cont'd)

Maximum allowable spans include a panel dead load of 2 psf and 3 psf for 3" and 4" nominal panels respectively. \* Panel deflections for wind load are taken at 0.7 times the tabulated loads in accordance with IBC Table 1604.3, note f.

\*\* Limited by 300 lb concentrated live load per IBC 1607.4

Crid Orientation	Cuid Size		Live Load (L/60)						
Grid Orientation	Grid Size	20 PSF	30 PSF	40 PSF	50 PSF	60 PSF	70 PSF	80 PSF	
Longitudinal Grid	12" x 24"	7'-5″**	7'-5"**	7'-0"	6'-4"	5'-9"	-	-	
(Fig. 2)	8″ x 20″	10'-2"**	9'-4"	8'-3"	7'-5"	6'-10"	-	-	
Transverse Grid	12" x 24"	19'-10"	16'-5"	14'-4"	-	-	-	-	
ft. Panel Width	24" x 12"	19'-10"	16'-5"	14'-4"	12'-11"	11'-10"	10'-11"	10'-3"	
		Wind Load (L/60)*							
Grid Orientation	Grid Size	20 PSF	30 PSF	40 PSF	50 PSF	60 PSF	70 PSF	80 PSF	
Longitudinal Grid	12" x 24"	10'-0"	8'-2"	7'-1"	6'-4"	5'-9"	-	-	
(Fig. 2)	8" x 20"	11'-10"	9'-8"	8'-4"	7'-6"	6'-10"	-	-	
Transverse Grid	12" x 24"	20'-6"	16'-9"	14'-6"	-	-	-	-	
ft. Panel Width	24" x 12"	20'-6"	16'-9"	14'-6"	13'-0"	11'-10"	10'-11"	10'-3"	

TABLE 5 – 2 3/4" TBI (LIGHT) MAXIMUM ROOF SPANS (2:12 MINIMUM ROOF PITCH)





				Liv	ve Load (L/6	50)		
Grid Orientation	Grid Size	20 PSF	30 PSF	40 PSF	50 PSF	60 PSF	70 PSF	80 PSF
Longitudinal Grid	12" x 24"	9'-6"	9'-3"	8'-2"	7'-4"	6'-9"	-	-
(Fig. 2)	8″ x 20″	11'-8"	10'-4"	9'-5"	8'-8"	7'-11"	-	-
Transverse Grid	12" x 24"	19'-10"	16'-5"	14'-4"	12'-11"	-	-	-
with ISH (Fig. 3) 4 ft. Panel Width	24" x 12"	19'-10"	16'-5"	14'-4"	12'-11"	11'-10"	10'-11"	10'-3"
Crid Orientation	Crid Size			Win	d Load (L/6	50)*		
Grid Orientation	Grid Size	20 PSF	30 PSF	40 PSF	50 PSF	60 PSF	70 PSF	80 PSF
Longitudinal Grid	12" x 24"	11'-8"	9'-6"	8'-3"	7'-5"	6'-9"	-	-
(Fig. 2)	8″ x 20″	13'-6"	11'-3″	9'-9"	8'-9"	8'-0"	7′-5″	6'-11"
Transverse Grid with ISH (Fig. 3) 4 ft. Panel Width	12" x 24"	20'-6"	16'-9"	14'-6"	13'-0"	-	-	-
	24" x 12"	20'-6"	16'-9"	14'-6"	13'-0"	11'-10"	10'-11"	10'-3"

TABLE 6 – 2 3/4" TBI (HEAVY) MAXIMUM ROOF SPANS (2:12 MINIMUM ROOF PITCH)

#### TABLE 7 – 4" TBI (HEAVY) MAXIMUM ROOF SPANS (2:12 MINIMUM ROOF PITCH)

Crid Orientation	Grid Size	Live Load (L/60)						
Grid Orientation		20 PSF	30 PSF	40 PSF	50 PSF	60 PSF	70 PSF	80 PSF
Longitudinal Grid	12" x 24"	14'-2"	11'-4"	8'-9"	7'-1″	5'-11″	-	-
(Fig. 2)	8″ x 20″	15'-10"	14'-0"	12'-2"	9'-11"	8'-4"	-	-
Grid Orientation	Grid Sizo			Win	d Load (L/6	50)*		
Grid Orientation	Grid Size	20 PSF	30 PSF	Win 40 PSF	d Load (L/6 50 PSF	60)* 60 PSF	70 PSF	80 PSF
Grid Orientation	<b>Grid Size</b> 12" x 24"	<b>20 PSF</b> 15'-6"	<b>30 PSF</b> 12'-2"	Win <b>40 PSF</b> 9'-2"	d Load (L/6 50 PSF 7'-4"	60)* 60 PSF 6'-1"	70 PSF -	80 PSF -

# WALL SPAN TABLES – 4' Wide Panels

\* Panel deflections for wind load are taken at 0.7 times the tabulated loads in accordance with IBC Table 1604.3, note f.

TABLE 8 - 2 3/4" ALUMINUM I-BEAM MAXIMUM WALL SPANS

Crid Orientation	Crid Cine	Wind Load (L/120)*						
Grid Orientation	Grid Size	20 PSF	30 PSF	40 PSF	50 PSF	60 PSF	70 PSF	80 PSF
Longitudinal Grid	12" x 24"	9'-0"	7'-11"	7'-2"	6'-8"	6'-2"	5'-9"	5'-4"
(Fig. 2)	8″ x 20″	10'-1"	8'-10"	8'-0"	7'-5"	7'-0"	6'-8"	6'-4"
Transverse Grid	12" x 24"	18'-4"	16'-0"	14'-6"	13'-0"	-	-	-
with ISH (Fig. 3) 4 ft. Panel Width	24" x 12"	18'-4"	16'-0"	14'-6"	13'-0"	11'-10"	10'-11"	10'-3"





TABLE 9 - 2 3/4" TBI (LIGHT) MAXIMUM WALL SPANS

Grid Orientation	Crid Size	Wind Load (L/120)*						
Grid Orientation	Griu Size	20 PSF	30 PSF	40 PSF	50 PSF	60 PSF	70 PSF	80 PSF
Longitudinal Grid	12" x 24"	8'-8"	7'-6"	6'-10"	6'-4"	5'-9"	-	-
(Fig. 2)	8″ x 20″	9'-8"	8'-5"	7′-8″	7'-1″	6'-8"	-	-
Transverse Grid	12" x 24"	18'-0"	15'-8"	14'-2"	-	-	-	-
with ISH (Fig. 3) 4 ft. Panel Width	24" x 12"	18'-0"	15'-8"	14'-2"	13'-0"	11'-10"	10'-11"	10'-3"

### TABLE 10 - 2 3/4" TBI (HEAVY) MAXIMUM WALL SPANS

Grid Orientation	Crid Size	Wind Load (L/120)*						
Gha Ohentation	Griu Size	20 PSF	30 PSF	40 PSF	50 PSF	60 PSF	70 PSF	80 PSF
Longitudinal Grid	12" x 24"	9'-7"	8'-4"	7′-7″	7'-1″	6'-8"	-	-
(Fig. 2)	8" x 20"	10'-8"	9'-4"	8'-6"	7'-11"	7′-5″	-	-
Transverse Grid	12" x 24"	18'-4"	16'-0"	14'-6"	13'-0"	-	-	-
4 ft. Panel Width	24" x 12"	18'-4"	16'-0"	14'-6"	13'-0"	11'-10"	10'-11"	10'-3"

#### TABLE 11 - 4" TBI (HEAVY) MAXIMUM WALL SPANS

Crid Orientation	Crid Size	Wind Load (L/120)*							
Grid Orientation	Grid Size	20 PSF	30 PSF	40 PSF	50 PSF	60 PSF	70 PSF	80 PSF	
Longitudinal Grid	12" x 24"	13'-2"	11'-6"	9'-2"	7'-4"	6'-1"	-	-	
(Fig. 2)	8″ x 20″	14'-8"	12'-10"	11'-8"	10'-3″	8'-6"	-	-	

# TABLE 12 - MAXIMUM HEIGHT FOR INTERIOR NON-LOAD BEARING PARTITIONS

Grid-Core Framing	Crid Sizo	Uniform Transverse Load (Deflection ≤ L/120)					
1	Ghu Size	5 PSF	7.5 PSF	10 PSF			
2 3/4" Aluminum I-	12" x 24"	12'-9"	11'-1"	10'-1"			
Beam	8″ x 20″	14'-3″	12'-5″	11'-4"			

<sup>1</sup>Longitudinal grid-core framing (Fig. 2)



