

Glass Clamp Adapter Standoff Glass Panels DataSheet

SKU: GA.RND and GAD.SQU

Overview

1. 4 Glass Adapters are required for glass panels less than 48" in width [refer Table 1]
2. 6 Glass Adapters are required for glass panels larger than 48" in width and less than 60" [refer Table 2]
3. Glass Panel Adapter Hole Size Specifications 1" [refer Fig 1]
4. Considering **Monolithic Tempered** Glass Panel of minimum nominal thickness of 1/2" or **Laminated Tempered** Glass Panel of minimum nominal thickness of 9/16"
5. Considering an allowable live load edge stress of 6000 psi and an allowable deflection of 1 inch when subject to a 200 lb concentrated live load or a 50 lb concentrated live load, as specified in Section R301.5 of the IRC.

Limitation of Liability

It is the customer's sole responsibility to ensure compliance with all local, national, and international building codes. Any assistance provided by Inline Design, including our complimentary AutoCAD services, is strictly advisory. Furthermore, it is the customer's responsibility to verify the accuracy and completeness of the material lists provided on Inline Design quotes. Please review our full Terms of Service online at: <https://inlinedesign.com/policies/terms-of-service>

Glass Panels Standards and Requirements

1. **Monolithic Glass Panels:** These are single-layered glass panels, as opposed to laminated or insulated glass.
2. **Laminated Glass Panels:** These panels are composed of multiple layers of glass bonded together with an interlayer, typically made of polyvinyl butyral (PVB) or ethylene-vinyl acetate (EVA).
3. **Fully Tempered (FT) Glass:** This refers to a type of safety glass that has been treated to increase its strength and shatter resistance. Fully tempered glass is often required in certain applications for safety reasons.
4. **Complying with ASTM C1048:** This indicates that the glass panels must meet the standards set by ASTM International (formerly known as the American Society for Testing and Materials) under ASTM C1048, which specifies requirements for heat-strengthened and fully tempered flat glass.
5. **ANSI Z97.1 Class A:** ANSI Z97.1 is a standard for safety glazing materials used in buildings. Class A denotes the highest level of safety performance within this standard.
6. **Category I of CPSC 16 CFR 1201:** CPSC 16 CFR 1201 is a regulation set by the U.S. Consumer Product Safety Commission (CPSC) regarding safety glazing materials. Category I refers to the highest level of performance for safety glazing materials in terms of resistance to impact and shattering.
7. **Procured Separately:** This means that the fully tempered glass panels must be sourced independently according to the above standards for strength, safety, and performance.
8. **IRC Section R301.5:** The International Residential Code (IRC) typically pertains to the requirements and specifications regarding the design loads for buildings and structures. This section typically covers various aspects related to live loads, including provisions for concentrated loads, snow loads, wind loads, and other factors that may affect the structural integrity of residential buildings. It outlines the standards that must be followed to ensure the safety and stability of residential structures, including guidelines for determining design loads and permissible stresses under different conditions.

Glass Panel Specifications Data Sheet: Panel Width less than 48" [4 Adapters per panel]

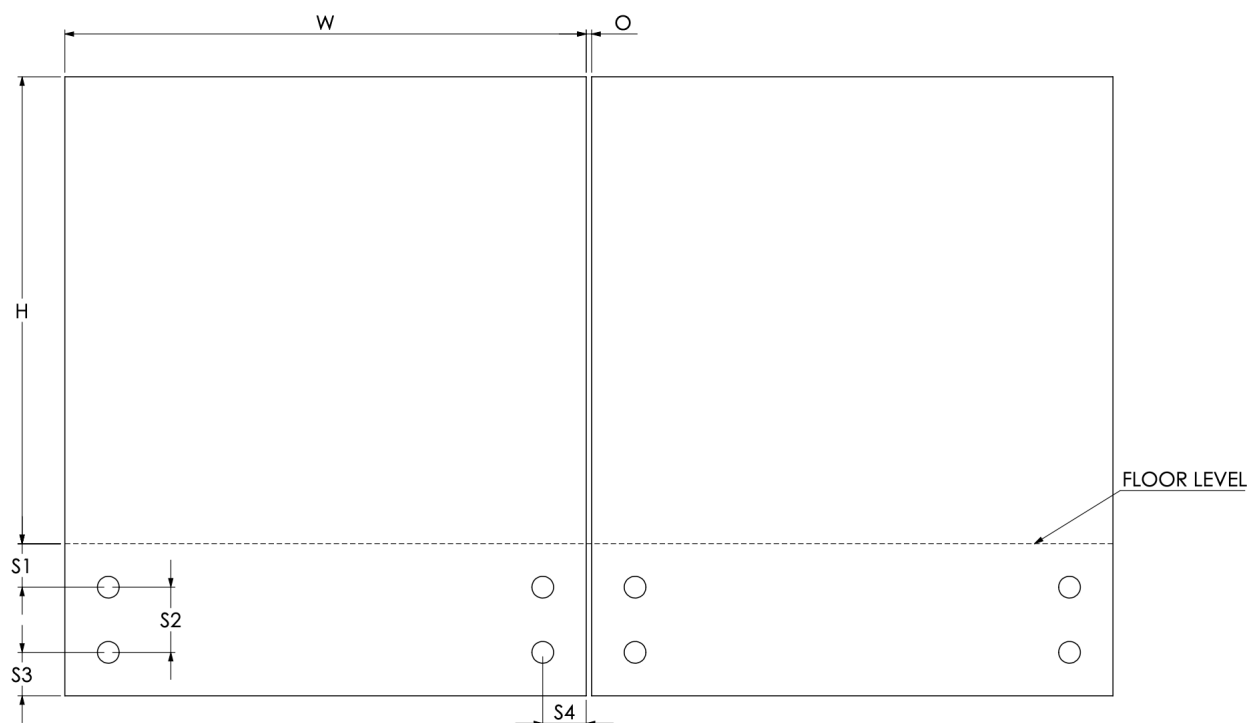


Table 1

W	Panel Width	W_{max}	48"
		W_{min}	12"
H	Panel Height	H_{max}	43"
		H_{min}	12"
O	Panels Opening	O_{max}	1"
		O_{min}	0.25"
S1	Spacing to floor level	$S1_{max}$	4"
		$S1_{min}$	2"
S2	Spacing between Adapters	$S2_{max}$	8"
		$S2_{min}$	4"
S3	Spacing to the bottom	$S3_{max}$	6"
		$S3_{min}$	2"
S4	Spacing to the side	$S4_{max}$	6"
		$S4_{min}$	2"

Glass Panel Specifications Data Sheet: Panel Width less than 60" [6 Adapters per panel]

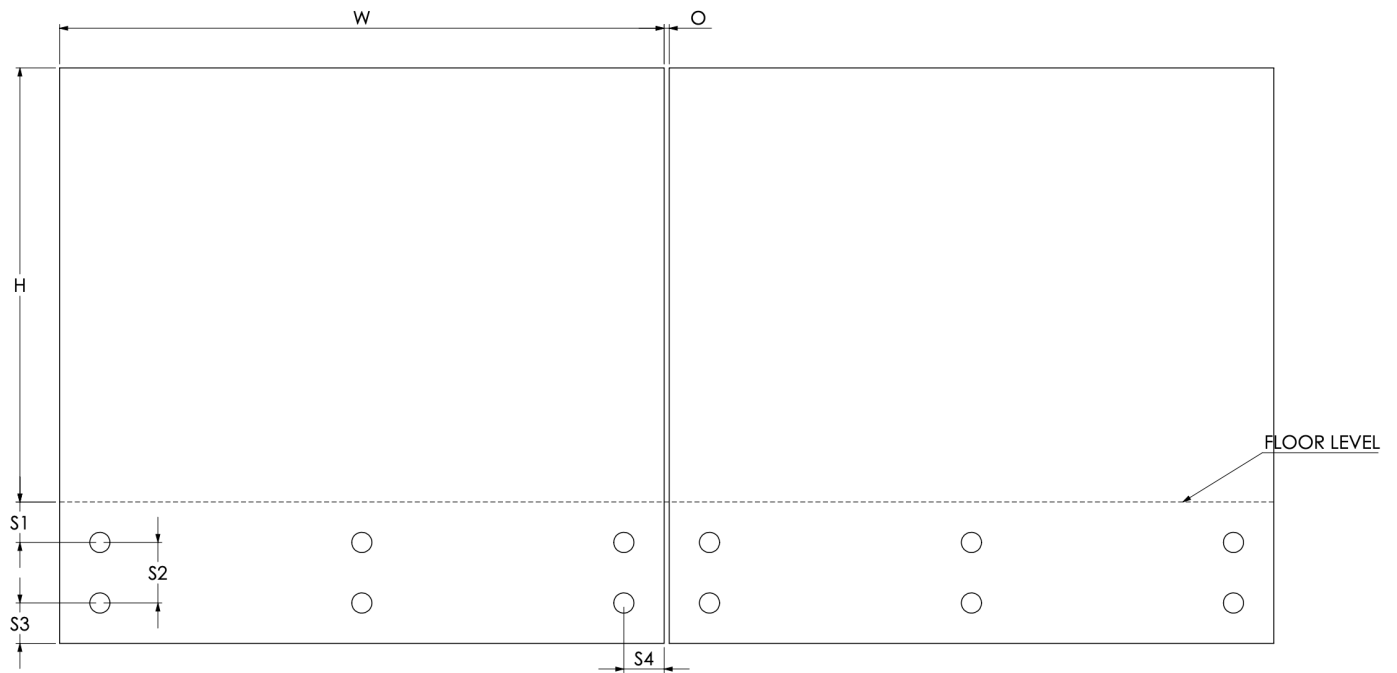


Table 2

W	Panel Width	$W_{\max}$	60"
		$W_{\min}$	22"
H	Panel Height	$H_{\max}$	43"
		$H_{\min}$	12"
O	Panels Opening	$O_{\max}$	1"
		$O_{\min}$	0.25"
S1	Spacing to floor level	$S1_{\max}$	4"
		$S1_{\min}$	2"
S2	Spacing between Adapters	$S2_{\max}$	8"
		$S2_{\min}$	4"
S3	Spacing to the bottom	$S3_{\max}$	6"
		$S3_{\min}$	2"
S4	Spacing to the side	$S4_{\max}$	6"
		$S4_{\min}$	2"

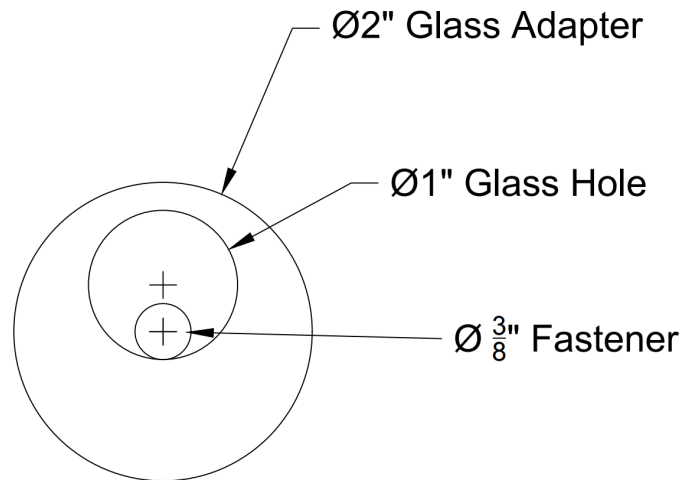


Fig 1: Glass Panel Adapter Hole Specifications 1"