

Reform Specifications

GENERAL

Unitized, movable, non-progressive steel partitions shall be Reform series as manufactured by Inscape Walls, Falconer, New York. Partitions shall be 2 1/4" thick with narrow 1/2" recessed reveal at panel joints, recessed ceiling channel and 4 1/2" extruded aluminum base trim projecting .080" from panel face. Partition verticals shall be slotted both sides 1 1/2" on center to a height of 82" and be able to receive Inscape Platform furniture components directly. Reform shall also be capable of accepting other major furniture systems components by utilizing adapter brackets.

QUALITY

Complete installation shall have flat panel surfaces and tight, straight-line joints. All elements shall assemble into a rigid structure. All panels shall be readily removable without disturbing adjacent panels. Panels and door units of like size shall be readily interchangeable. The design shall permit complete rearrangement easily, quickly, and economically with maximum reusability of materials. Design must permit extension in two, three, and four-way conditions without removing adjacent units. Corner, three-way and four-way conditions shall permit furniture integration in all directions.

CONSTRUCTION

End Fillers

End filler shall be constructed similar to flush panel unit and telescope into a spring loaded wall channel with concealed sound and light seal at foreign wall.

Flush Panel

Panel unit shall be 2 1/4" thick with unit sizes 12", 18", 24", 30", 36", 42" and 48". Panels shall be constructed of two formed sheets of 20 gauge furniture grade steel -reinforced horizontally on approximate 12" centers -with solid reinforcements glued to each surface to provide ample rigidity to the panel face. 18 gauge slotted vertical side members and 20 gauge panel faces to be bolted together by means of an internal anchor band and panel clips to form a rigid unitized panel. The entire panel unit shall be completely insulated with 3.5-pound density mineral wool.

Clerestory Panel

Lower panel shall be 2 1/4" thick with unit sizes 12", 18", 24", 30", 36", 42" and 48". Lower panel to be approximately 84" high constructed of two formed sheets of 20 gauge furniture grade steel reinforced horizontally on approximately 12" centers with solid reinforcements glued to each surface to provide ample rigidity to the panel face. 18 gauge slotted vertical side members and 20 gauge panel faces to be bolted together by means of an internal anchor band to form a rigid unitized panel. The entire panel shall be completely insulated with 3.5-pound density mineral wool. Unitized upper clerestory panel shall be designed to be attached to lower panel by means of an 18 gauge continuous slotted side members attached to the vertical glazing member. Glass of specified design, quality and 1/4" thickness shall be furnished and factory glazed by the partition manufacturer and shall be set in vinyl glazing to provide firm retention and seal, without exposed screws.

Full Glass Panel

Panel unit shall be 2 1/4" thick with unit sizes 12", 18", 24", 30", 36", 42" and 48". Top and bottom glazing members shall be formed of 20-gauge steel, reinforced with solid reinforcements and welded into a complete assembly.

Vertical glazing legs to be assembled using an 18 gauge vertical post attached to a 20 gauge vertical glass rail. All vertical and horizontal glazing members will have a formed groove to accept 1/4" thick glass.

Horizontal and vertical glazing members are assembled around the glass insert and bolted together to form a complete unitized assembly.

Glass of specified design, quality and 1/4" thickness shall be furnished and factory glazed by the partition manufacturer and shall be set in vinyl glazing to provide firm retention and seal.

All panel tops to be formed in such a manner as to permit them to wrap around the recessed ceiling channel. Panels to interlock into the recessed ceiling channel by means of an adjustable jack post.

Panel Alignment

Panel and door units shall be mechanically locked together by alignment clips precision fitted to slotted vertical side members. The alignment clips and side members shall be concealed by a recessed dual durometer vinyl drive trim providing a light and sound seal.

CEILING CHANNEL

Three options are available

Recessed-Ceiling channel shall be one piece, 16 gauge steel, 2" deep, recessed from panel face and designed to provide +/-1" vertical adjustment and easy removal of panel. Ceiling channel shall be provided with continuous open cell light and sound seal at the ceiling and attached to the ceiling grid by means of non-damaging clips.

Projected-Ceiling channel shall be one piece, 18 gauge steel, 3" deep, projecting from panel face and designed to provide +/-1 1/4" vertical adjustment and easy removal of panel. Ceiling channel shall be provided with continuous open cell light and sound seal at the ceiling and attached to the ceiling grid by means of non-damaging clips.

Cornice-Partition not extending to ceiling is to have an 18 gauge two-piece structural cornice, 1 1/2" high, projecting 1 1/2" from panel face and to be continuous with an 18 gauge continuous splice channel interlocking all joints.

BASE

Base shall be .080 extruded aluminum approximately 4 1/2" high with a continuous and overlapping design. The base shall be installed individually from each side of the partition, and permit continuous lay-in wiring. The overlapping design shall allow the panels to compensate for floor irregularities.

FLOOR TRACK

The floor track to be continuous in design, manufactured of 18 gauge steel, incorporating a center groove that automatically centers the panels. The outer edges of the floor track are over bent to allow the base to form tightly to the face of the panel.

DOOR FRAMES

Door frames to be 18 gauge furniture grade steel, welded construction, with slip fit adjustable plinth at bottom to compensate for floor irregularities. Standard door frames shall be 42" centerline units and have a continuous cushioned sound seal stop at head, hinge, and strike jams. Frame shall be mortised and reinforced to receive 1 1/2 pair of 4 1/2" x 4 1/2" ball bearing hinges and a 4 7/8" strike plate. Doorframe to be securely anchored within the ceiling channel by means of jack posts.

Door Frame Options

- Full height
- Steel Transom
- Clerestory

STANDARD DOOR

Door shall be paint grade solid-core-standard. Size to be nominal 3'0" wide x 7' high x 1-3/4" thick and shall be machined to accept 1-1/2 pair of 4 1/2"x 4 1/2" ball bearing hinges and cylindrical lockset.

Door Options

- Hinge
- Pivot
- Sliding

Door Material

- Wood
- Steel
- Aluminum

Door Finishes

- Powder coat or water born paint
- High pressure laminates
- Veneers

DOOR HARDWARE

Field installed commercial grade lever lockset and 1 1/2 pair of 4 1/2" x 4 1/2" ball-bearing hinges. Hardware to be US26D finish unless otherwise specified.

SOUND CONTROL

Flush partitions shall be designed for maximum sound control and shall provide a minimum STC of 40 when tested in accordance with ASTM E-90-90 by an approved testing laboratory.

LIFE SAFETY

Partitions shall be Class A non-combustible rated – wall panel flame spread to be 25 or less and "smoke develop" to be 100 or less as per ASTM E-84-00.

STRUCTURAL TRANSVERSE LOAD TEST

Partition has been laboratory tested according to ASTM E-72-80 to prove that deflection will not exceed L/120 with a 5 pound per square foot uniform load applied uniformly over the surface of panel.

Note: Certification on all testing cam be provided upon request.

GLAS AND GLAZING

Glass of specified design, quality and 1/4" thickness shall be furnished and factory glazed by the partition manufacturer and shall be set in vinyl glazing to provide firm retention and seal.

Factory punched cutouts in power panels for switches and/or outlets for power, data or communication.

FINISHING SYSTEM

Surface Preparation: Prior to finish application, the exposed surfaces of the product are treated through a process that consists of a vigorous cleaning, surface etching with a phosphate wash and sealed with a rust-inhibitive sealer.

Powder Coat Finish: Inscape Architectural Interiors has the ability to provide 23 standard coated colors to all of our products. This finish is over cured. All finishes are supplied in our standard gloss of 17° +/-5. Custom color matches are available in our standard gloss.

Fabric and Vinyl: Fabric and vinyl finishes are available from Inscape Walls approved selection. Please consult factory of complete information.

ELECTRICAL PROVISIONS

Door frames to be factory prepared for switches. Power panels and door frames to be supplied with boxes and flexible conduit whips to meet National Electrical Codes. Base access covers to be factory punched for power, data or communication. Access covers to be supplied with boxes only. Wiring, devices, cover plates and installation of electrical, data and communication by others. Inscape's Platform standard 8-wire modular electrical system is also available.

INSTALLATION

Partitions shall be installed on top of finished flooring. If on carpeting, carpet grippers shall be furnished which permit installation of partition without damage to carpeting or flooring. Partitions shall be neatly fitted to building conditions, installed in a rigid and substantial manner, straight and plumb, with all horizontal lines level. Hardware shall be adjusted and left in proper working condition. All fastenings shall be completely concealed. Metal surfaces shall be cleaned and free from scratches or abrasions.

CLEANING

Installation contract is responsible to remove all cartons, wrappings, left over materials, etc. and leave job broom clean. Wipe down all steel partitions. Cleaning of glass and washing of partitions to be done by others.