



CEILING SUPPORT & HANGER

CEILING ACCESS PANEL



NOTES TO G.C.

- Give special attention to any obstructions to ceiling pockets & cables (i.e. ducts, sprinkler pipes, drain pipes, electrical conduits, etc.).
- One steel C-channel** (flanges up) to be supplied & installed by others. Alternate steel support to be approved by Skyfold.

**C-channel designation:

North & South America = C8 x 11.5 [C200 x 17] Europe = C200 x 75 Asia = C200 x 80

Support steel above the wall along its axis must be parallel to the floor within $\frac{1}{2}$ " [12.7] for the entire length of the wall (this includes loaded deflection).

Larger deflection must be communicated to Skyfold as it affects support steel height & floor seal height.

- 3. Attachment details of C-channel** to structure to be designed by others & must not interfere with Skyfold hangers or motor unit or lifting cables.
- 4. Structural steel support & bracing must not interfere with motor mounts or ceiling supports.

5. Sprayed-on fireproofing (mineral wool & cement) is not

recommended for use on the steel support to which Skyfold is attached. An intumescent coating or film is preferred. Local building codes must be respected. Fireproofing is by others.

6. Approximate weight of wall: XXXX lbs. [XXXX Kg.] Maximum weight per hanger: XXX lbs. [XXXX Kg.]

7. Maximum cable tension: XXX lbs. [XXX N.]

8. Specified electrical: 208 VAC, 3Ø, 60 Hz.

* POWER MUST BE AVAILABLE AT TIME OF INSTALLATION.

THE ELECTRICAL CONTROL BOX IS TO BE MOUNTED BY THE ELECTRICAL CONTRACTOR.

- 9. 24 volt key switch controls & boxes to be installed by electrical contractor as per standard light switch. Boxes to be fitted at desired key switch location with suitable cable run back through ceiling void to control box position, including sufficient spare to allow connection. Key switches are supplied by Skyfold & are required on each side of the
- 10. Motor size: Varies project-specific
- Full load amp: XXXX A

 11. Skyfold requires two 24" x 24" [610 x 610] (minimum) access

installation & maintenance of system. Not required if finished

ceiling is suspended ceiling tiles.12. Drive unit to be installed prior to construction of acoustic barrier & pocket. All pocket construction (gypsum,

panels in acoustic ceiling directly beside motor for

13. Do not scale from this drawing. All dimensions must be verified on site.

suspended ceiling tile, framing, etc.) is by others.

14. Dimensions in [] are in millimeters (mm) unless noted otherwise.

Authorized Skyfold distributor

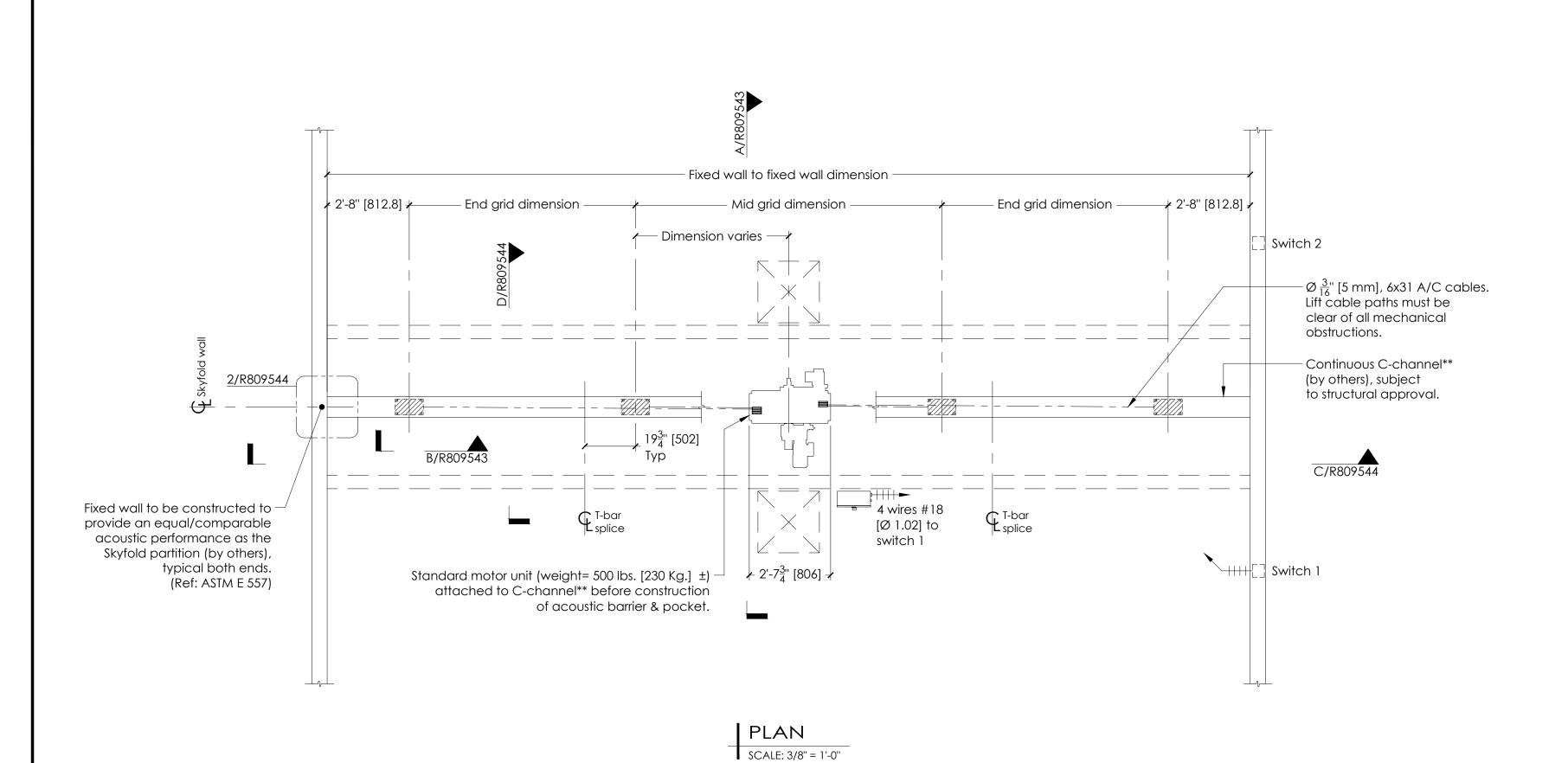
TYPICAL EVEN SKYFOLD WALL

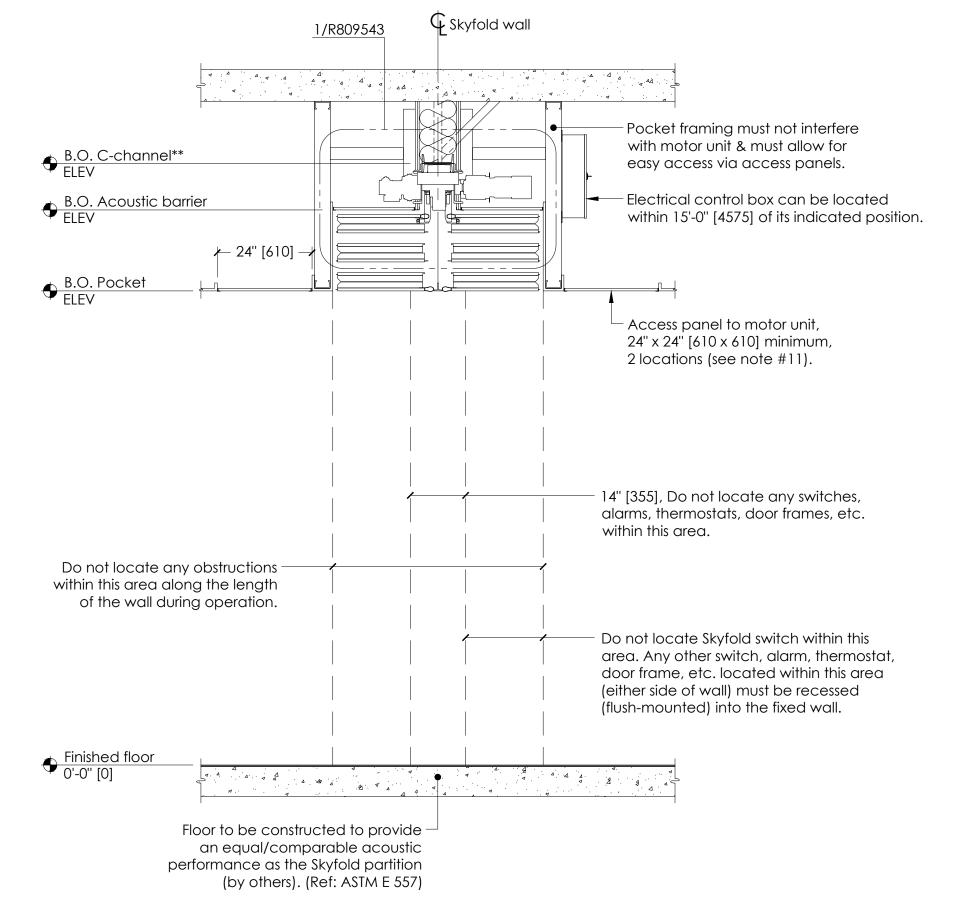
Drawing title

X @ X'-X" [XXXX] x X'-X" [XXXX] B.O. Pocket Standard drive unit - 4 to 8 panels high

PLAN & MECHANICAL DETAILS

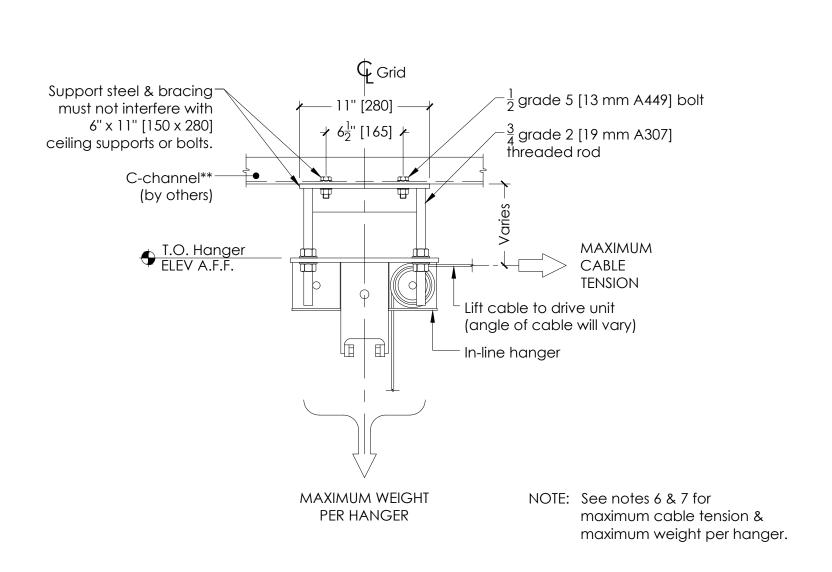
Architect		Contractor	
Drawn by	Date	Approved by	Date
Skyfold project No.		Scale	Sheet No.
		As noted	1 of 3
Drawing No.			Revision
R809543			9





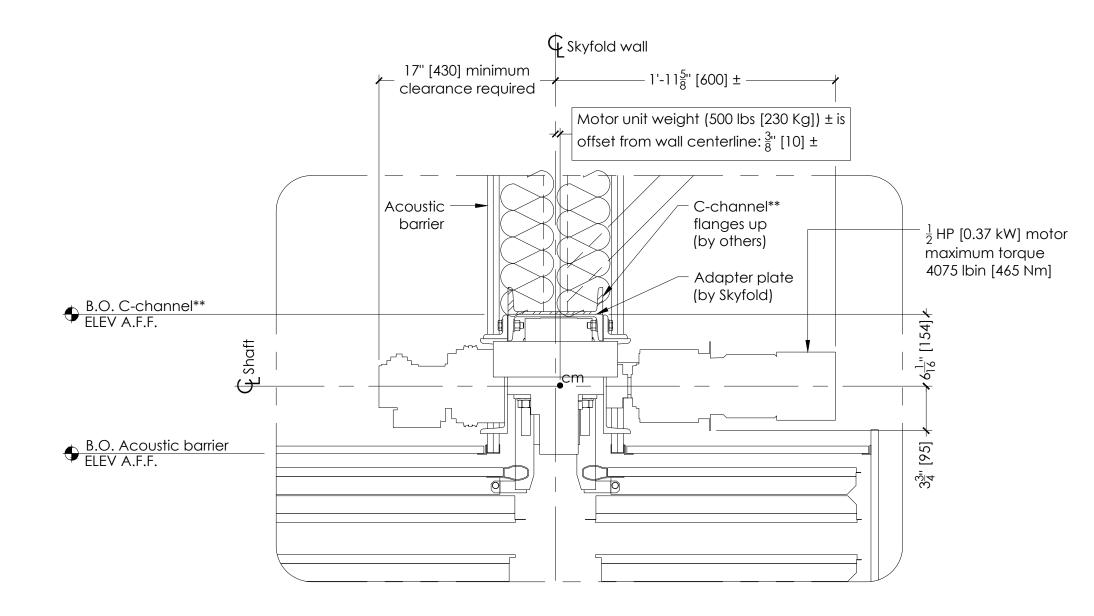
A SECTION - WALL UP

R809543 SCALE: 1/2" = 1'-0"



B SECTION - LOADS @ HANGERS

R809543 SCALE: 1 1/2" = 1'-0"



1 DETAIL - SKYFOLD MECHANICAL
R809543 SCALE: 1 1/2" = 1'-0"

THIS DRAWING IS INTENDED AS A GUIDE. IN ALL CASES SKYFOLD SHOP DRAWINGS SPECIFIC TO EACH PROJECT ARE REQUIRED FOR FINAL BUILD-TO DIMENSIONS.



NOTES TO G.C.

1. Give special attention to:

- Any obstructions to ceiling pockets & cables (i.e. ducts, sprinkler pipes, drain pipes, electrical conduits, etc.),
- Tolerances of fixed walls & finished floor,
- Removable ceiling tile for top of pocket.
- 2. Acoustic performance:

Skyfold Classic 51

North America: STC: 51 as per ASTM E90

Europe: Rw: 51 as per ISO 140-3, Part 3 & ISO 717-1.2

Skyfold Classic 55

North America: STC: 55 as per ASTM E90

Europe: Rw: 54 as per ISO 140-3, Part 3 & ISO 717-1.2

Skyfold Classic 60

North America: STC: 60 as per ASTM E90

Europe: Rw: 59 as per ISO 140-3, Part 3 & ISO 717-1.2

Skyfold Classic NRC

North America: STC: 50 as per ASTM E90 NRC: 0.65 as per C423

Europe: Rw: 49 as per ISO 140-3, Part 3 & ISO 717-1.2

SAC: 0.65 as per ISO 354.

- 4. Skyfold requires two 24" x 24" [610 x 610] (minimum) access panels in acoustic ceiling directly beside motor for installation & maintenance of system. Not required if finished ceiling is suspended ceiling tiles.
- 5. Drive unit to be installed prior to construction of acoustic barrier & pocket. All pocket construction (gypsum, suspended ceiling tile, framing, etc.) is by others.
- 6. The floor underneath the wall along its axis must be flat to within $\frac{1}{4}$ [6] over the entire length of the wall. A peak to valley undulation of $\pm \frac{1}{4}$ " [6] must not be closer together than 24" [610]. A peak to valley undulation of $\pm \frac{1}{8}$ " [3] must not be closer together than 12" [305].
- 7. Do not scale from this drawing. All dimensions must be verified on site.
- 8. Dimensions in [] are in millimeters (mm) unless noted otherwise.

**C-channel designation:

North & South America = $C8 \times 11.5$ [C200 x 17] Europe = C200 x 75 Asia = $C200 \times 80$

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Authorized Skyfold distributor

TYPICAL EVEN SKYFOLD WALL

X @ X'-X" [XXXX] x X'-X" [XXXX] B.O. Pocket Standard drive unit - 4 to 8 panels high

PANEL & POCKET DETAILS

Contractor Approved by Skyfold project No. Scale Sheet No. As noted 2 of 3 Drawing No. Revision R809544

X panels wide Fixed wall to fixed wall dimension - Acoustic barrier above wall (by others) B.O. Acoustic barrier ELEV - Fixed wall to be constructed to provide an equal/comparable acoustic performance as the Skyfold partition (by others), typical both ends. (Ref: ASTM E 557) Finished floor 0'-0" [0] $\frac{1}{2}$ " [12.7] Typ $\frac{1}{2}$ ₩ 1" [25.4] Typ – Typical panel length — FINISHED FLOOR ±1/4" [6 mm] FROM FLAT LEVEL

C ELEVATION - WALL DOWN
R809543 SCALE: 3/8" = 1'-0"

Typical ceiling detail

Flexible acoustic – 1" [25.4] end seal, retracted $| | + \frac{1}{2} | [12.7]$ Activating Fixed wall to be constructed to mechanism provide an equal/comparable acoustic performance as the Skyfold partition (by others). (Ref: ASTM E 557) Metal t-bar -Flexible acoustic end seal, deployed Typical Skyfold panel with semi-rigid fibreglass Fixed wallboard backer

> 2 | END SEAL DETAIL R809543 SCALE: 1 1/2" = 1'-0"

Typical Skyfold panel with semi-rigid fibreglass board backer - Metal t-bar - Obstruction sensor - Flexible acoustic floor seal Finished floor 4 FLOOR SEAL DETAIL

R809544 SCALE: 1 1/2" = 1'-0"

 \bigoplus Skyfold wall

4/R809544

SECTION - WALL DOWN

Floor to be constructed to provide —

an equal/comparable acoustic

(by others). (Ref: ASTM E 557)

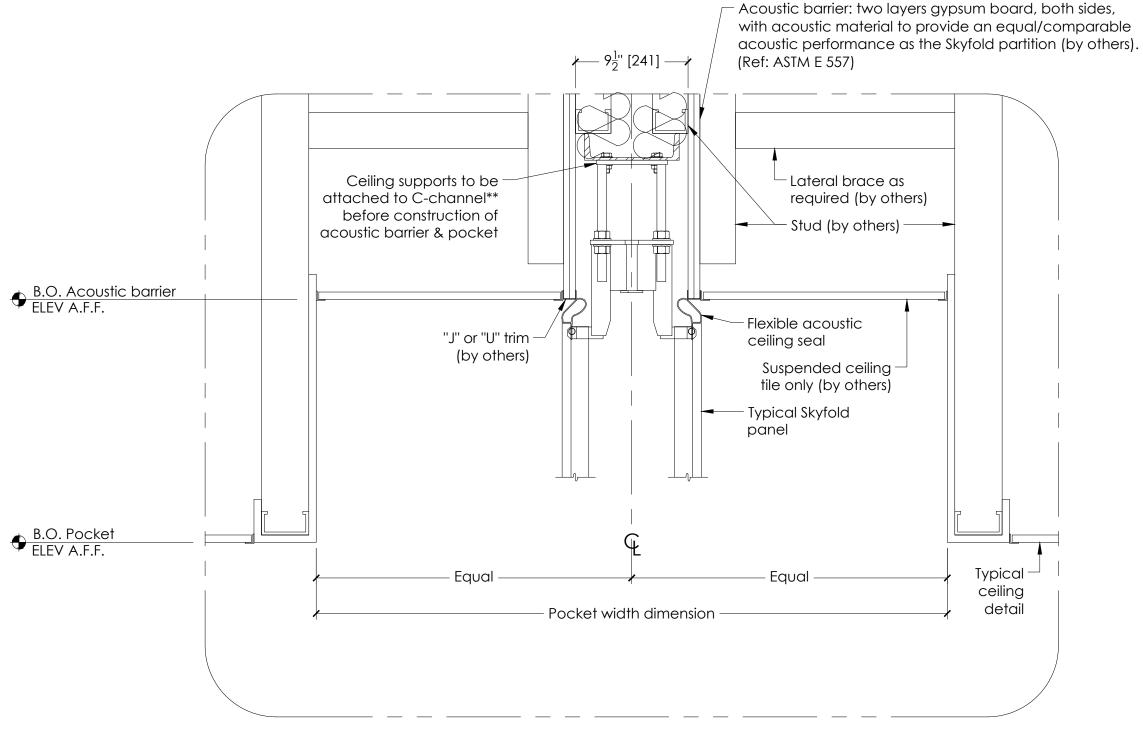
D SECTION R809543 SCALE: 1/2" = 1'-0"

performance as the Skyfold partition

B.O. C-channel**
ELEV

B.O. Pocket
 ELEV

B.O. Acoustic barrier ELEV



3 POCKET DETAIL
R809544 SCALE: 1 1/2" = 1'-0"

FIXED WALL +1/4" [6 mm] / -0 [0 mm] FROM FLAT LEVEL