



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.]
- (TWO cables per hanger)

 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 wall.
- 10. Motor size: Varies project-specific. Full load amp: XXXX A
- 11. 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.
- Drive unit to be installed prior to construction of acoustic barrier & pocket. All pocket construction (gypsum, suspended ceiling tile, framing, etc.) is by others.
- 13. Do not scale from this drawing. All dimensions must be verified on site.
- 14. Dimensions in [] are in millimeters (mm) unless noted otherwise.

Authorized Skyfold distributor

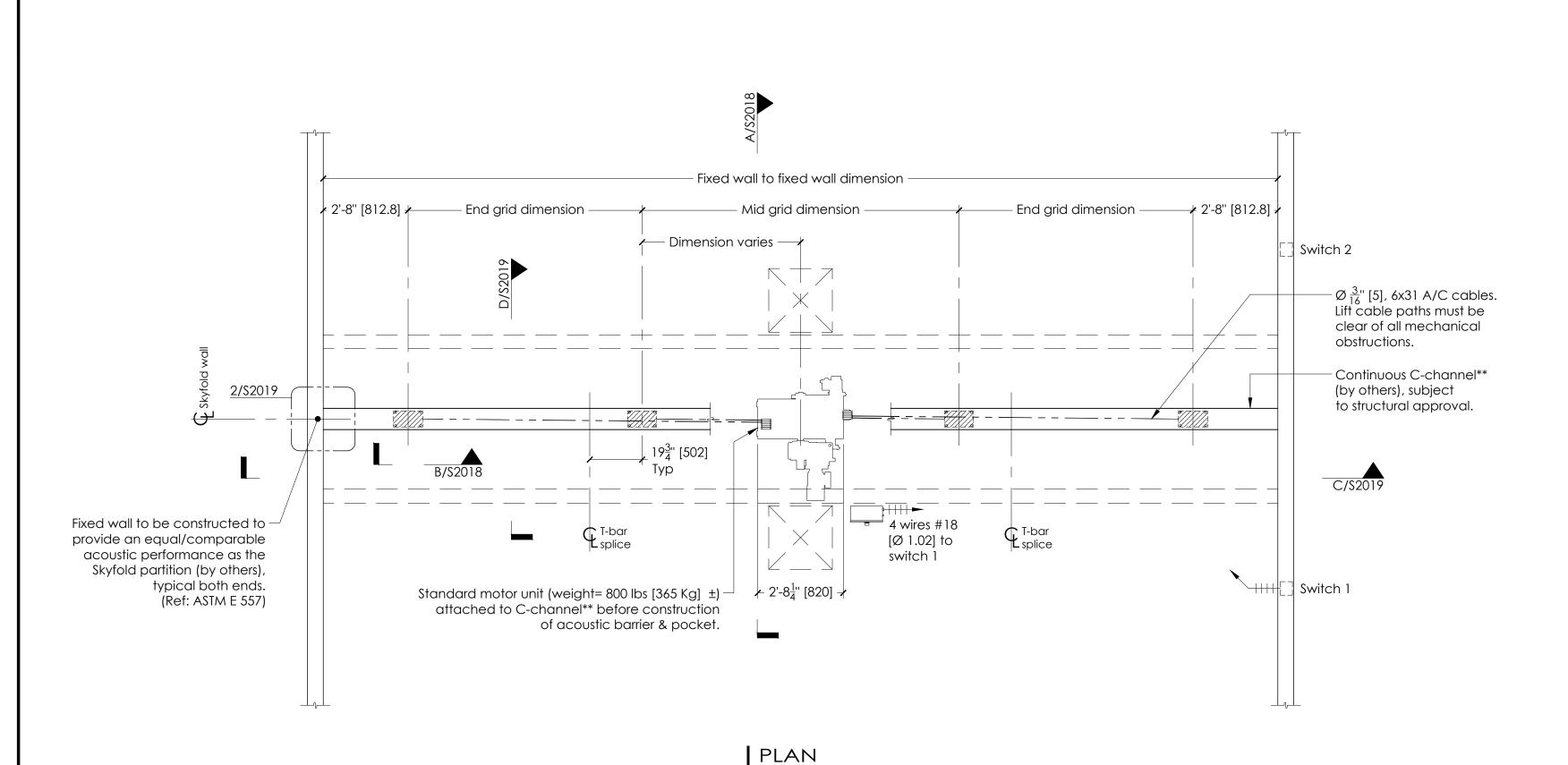
TYPICAL ODD SKYFOLD WALL

Drawing title

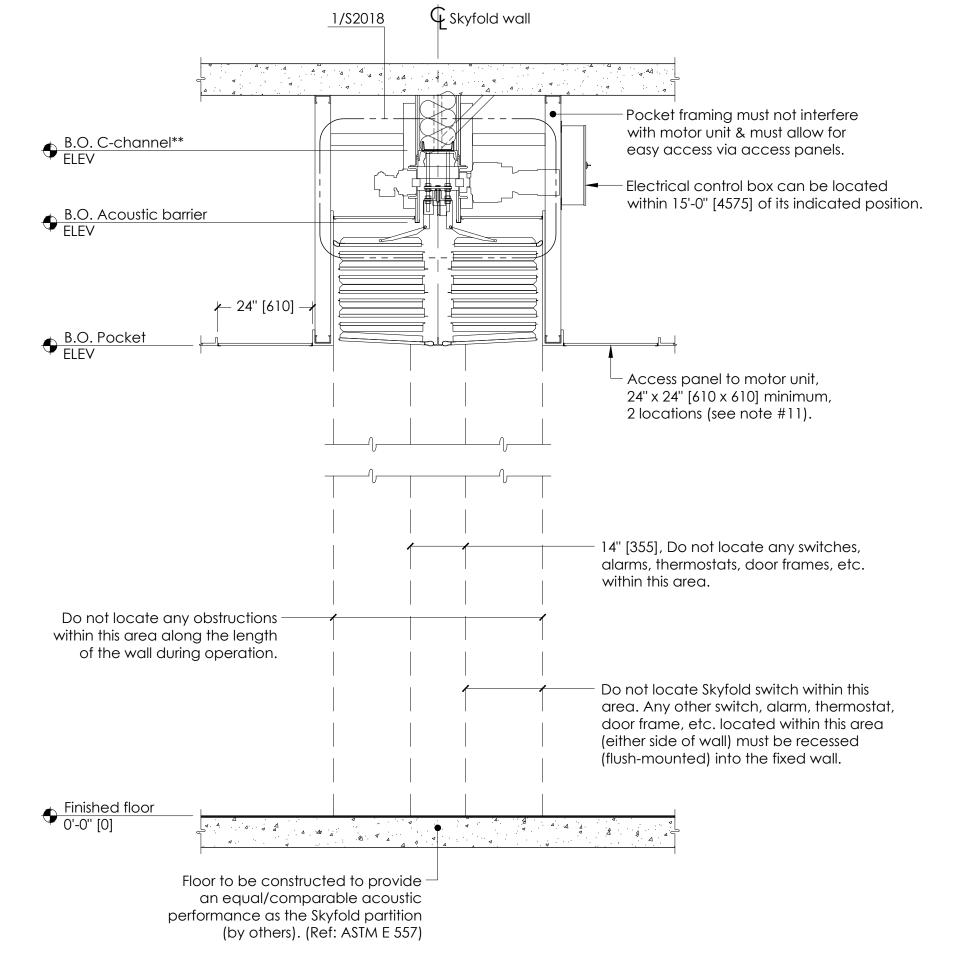
X @ X'-X" [XXXX] x X'-X" [XXXX] B.O. Pocket Standard drive unit - 9 to 17 panels high

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	
\$2018			7	

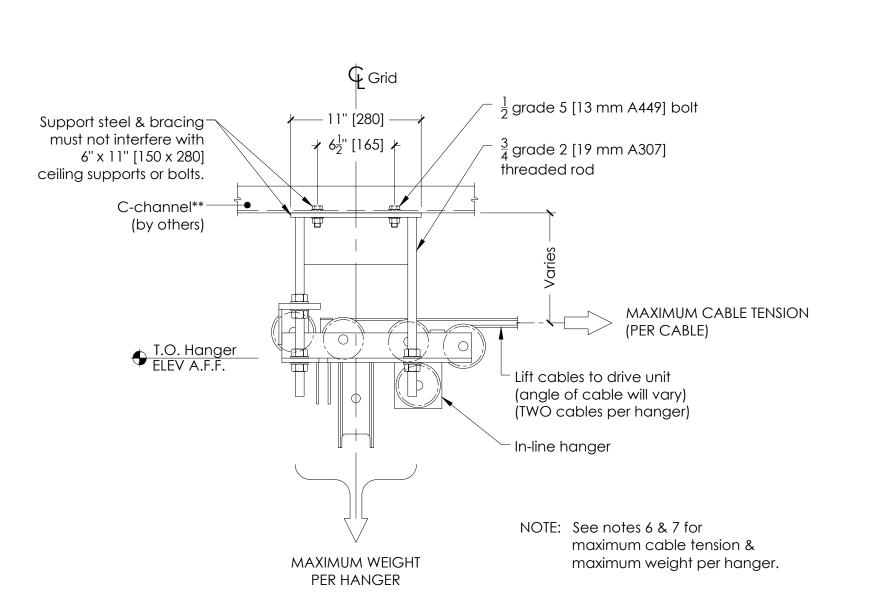


SCALE: 3/8" = 1'-0"



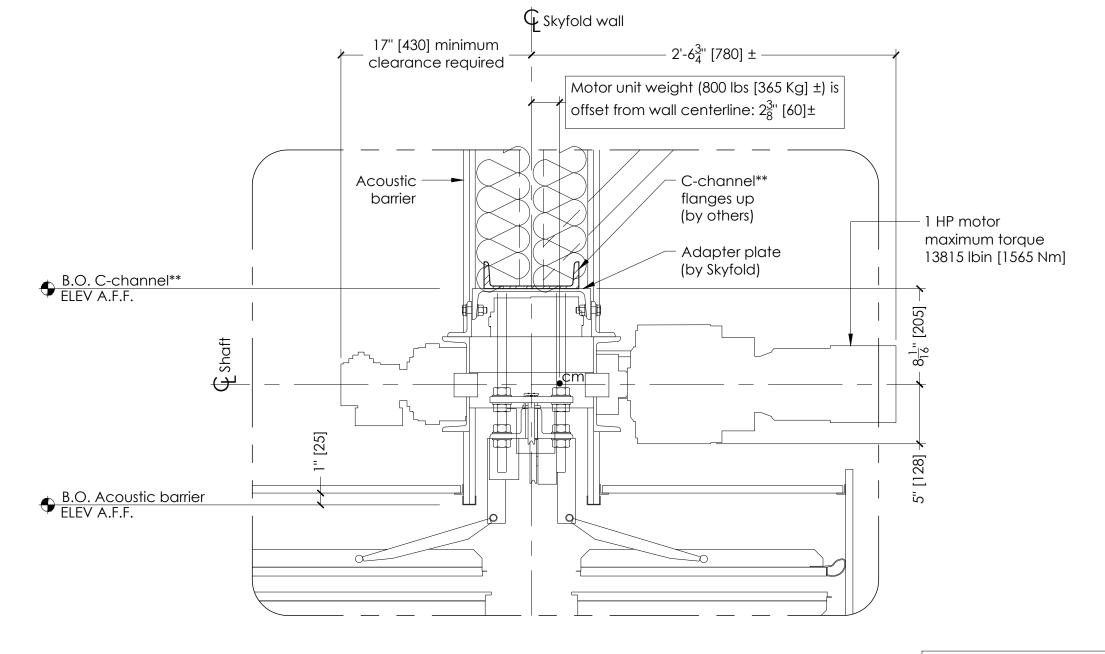
A SECTION - WALL UP

S2018 SCALE: 1/2" = 1'-0"



B | SECTION - LOADS @ HANGERS

S2018 SCALE: 1 1/2" = 1'-0"



1 DETAIL - SKYFOLD MECHANICAL
S2018 SCALE: 1 1/2" = 1'-0"

THIS DRAWING IS IN 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 x 11.5 [C200 x 17] Europe = C200 x 75 Asia = $C200 \times 80$

ARE REQUIRED FOR FINAL BUILD-TO DIMENSIONS.

THIS DRAWING IS INTENDED AS A GUIDE. IN ALL CASES SKYFOLD SHOP DRAWINGS SPECIFIC TO EACH PROJECT

Authorized Skyfold distributor

TYPICAL ODD SKYFOLD WALL

X @ X'-X" [XXXX] x X'-X" [XXXX] B.O. Pocket Standard drive unit - 9 to 17 panels high

PANEL & POCKET DETAILS

Contractor Approved by

Skyfold project No. Scale Sheet No. 2 of 3 As noted Drawing No. Revision S2019

Skyfold wall B.O. C-channel** B.O. Acoustic barrier ELEV 4/\$2019 Finished floor 0'-0" [0] 4 4 4 4 Floor to be constructed to provide —

D SECTION - WALL DOWN
S2018 SCALE: 1/2" = 1'-0"

an equal/comparable acoustic

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

performance as the Skyfold partition

 Acoustic barrier: two layers gypsum board, both sides, with acoustic material to provide an equal/comparable acoustic performance as the Skyfold partition (by others). (Ref: ASTM E 557) + 11 $\frac{1}{2}$ " [292] -Ceiling supports to be Lateral brace as attached to C-channel** required (by others) before construction of – Stud (by others) $\overline{}$ acoustic barrier & pocket T.O. Pocket ELEV A.F.F. B.O. Acoustic barrier ELEV A.F.F. - Flexible acoustic ceiling seal "J" or "U" trim (by others) Suspended ceiling – tile only (by others) Typical Skyfold panel - Equal -- Equal -- Pocket width dimension -Typical ceiling B.O. Pocket ELEV A.F.F.

3 POCKET DETAIL

S2019 SCALE: 1 1/2" = 1'-0"

FINISHED FLOOR ±1/4" [6 mm] FROM FLAT LEVEL

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

Access hole & cover (18" x 12" [460 x 300] min) -

X panels wide

Fixed wall to fixed wall dimension

½" [12.7] Typ →

C ELEVATION - WALL DOWN
S2018 SCALE: 3/8" = 1'-0"

in acoustic barrier (both sides) at each hanger location & on each side of the motor (by others)

> Flexible acoustic -**→ 1" [25.4]** end seal, retracted $\frac{1}{2}$ [12.7] \longrightarrow 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 Fixed wall with semi-rigid fibreglass board backer

- Acoustic barrier above wall

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.

Finished floor 0'-0" [0]

(Ref: ASTM E 557)

→ 1" [25.4] Typ

– Typical panel length -

(by others)

2 | END SEAL DETAIL \$2018 | SCALE: 1 1/2" = 1'-0"

4 | FLOOR SEAL DETAIL S2019 SCALE: 1 1/2" = 1'-0"

Typical Skyfold panel

board backer

- Obstruction sensor

Flexible acoustic

- Metal t-bar

floor seal

Finished floor

with semi-rigid fibreglass