

**Cool-Air, Inc.**

Manufactured and sold by  
**Fold Tite Systems, Inc.**

518-664-2100

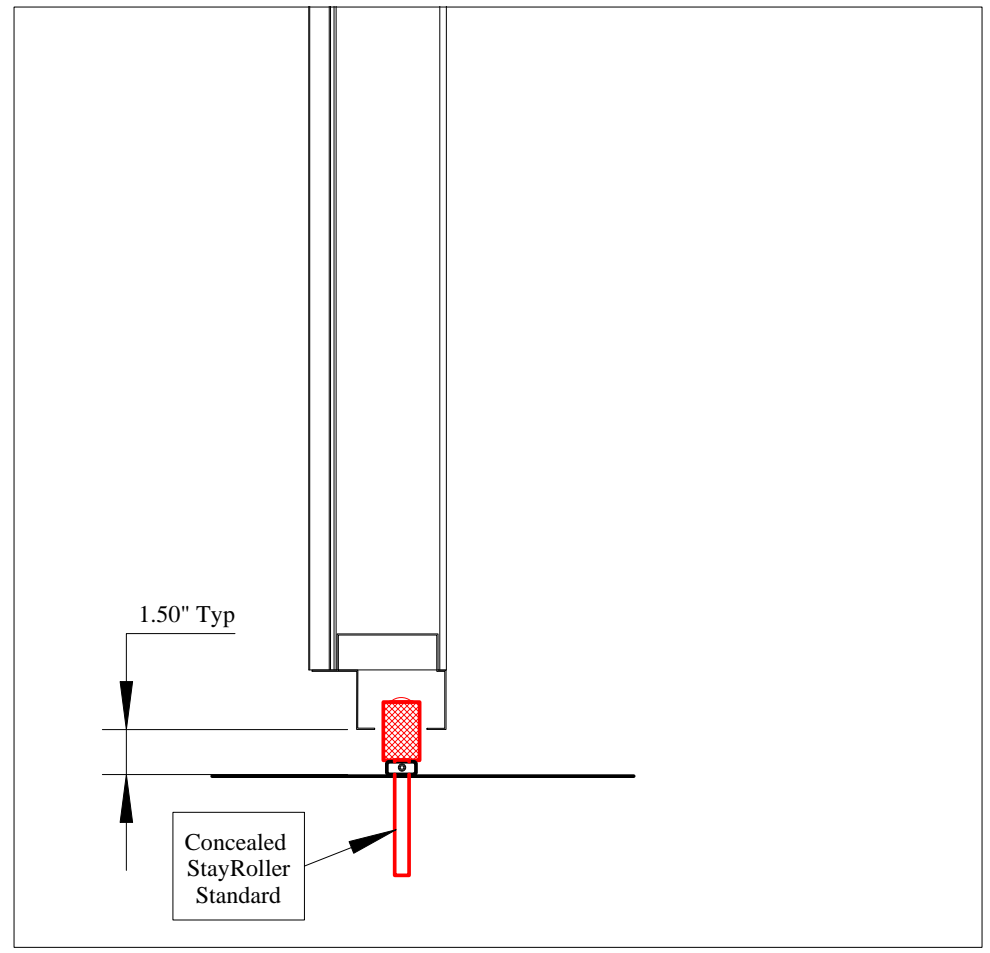
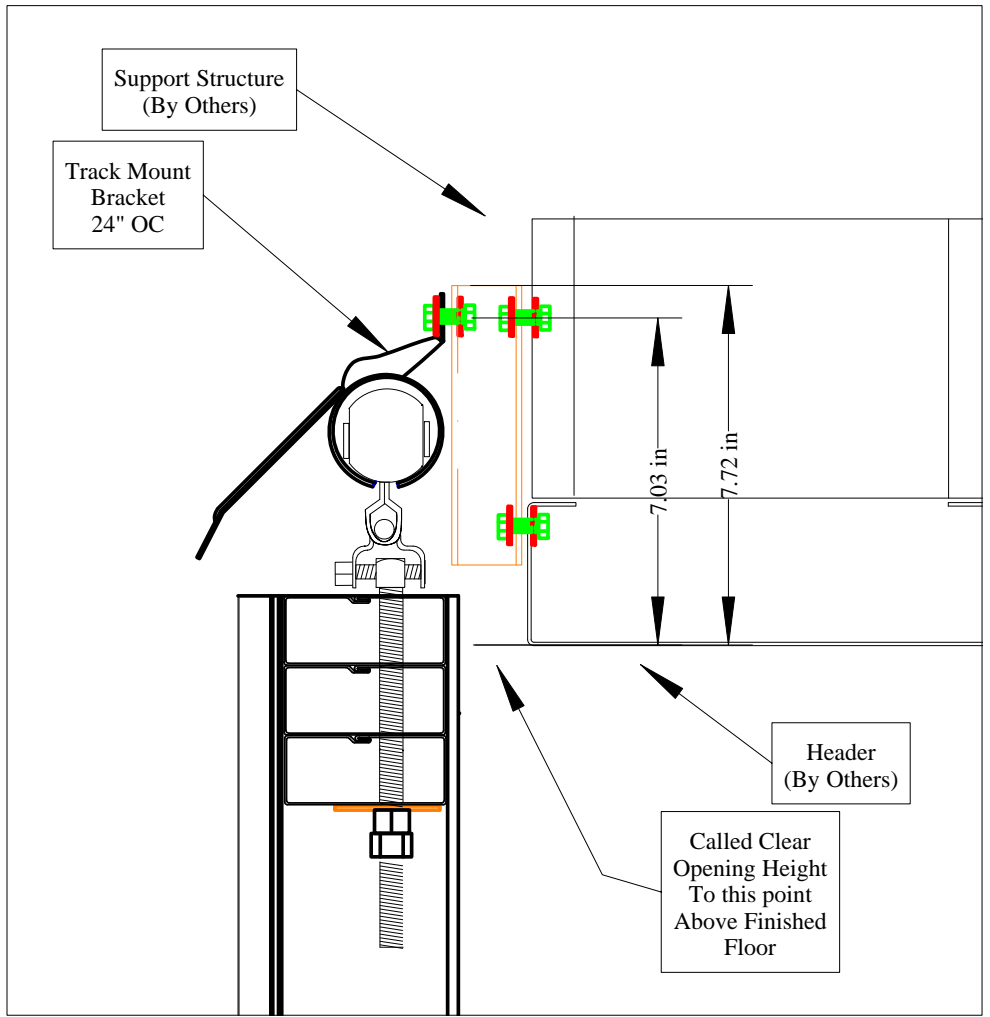
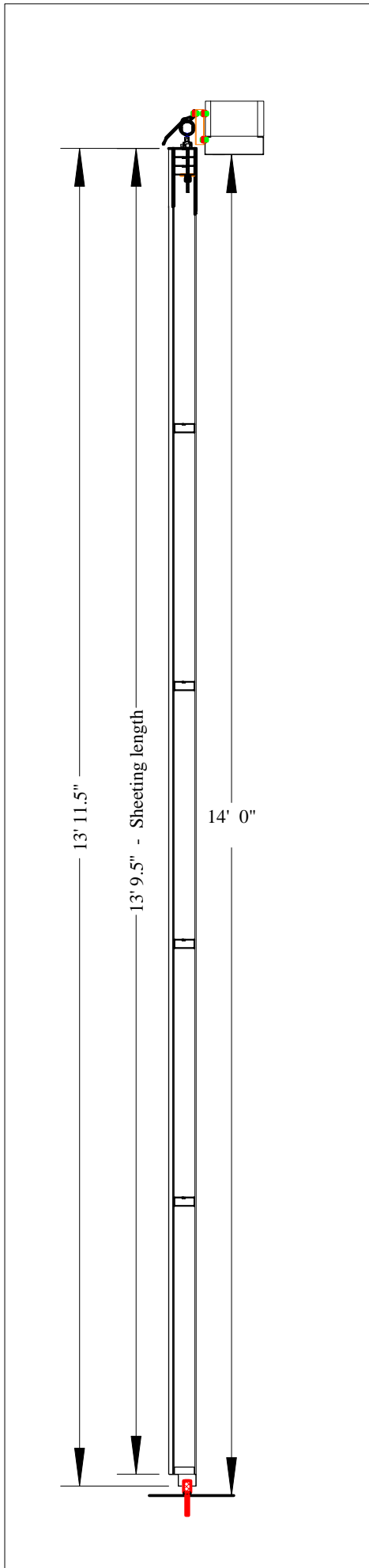
***CSA-4.5-TH Top Hung Slide Door***  
***Assembly and Installation Instructions***

1. Open all structural component and hardware boxes and compare with itemized list in this instruction. Note: Some components will ship separately by UPS.
2. Install Top track. Track is supplied in 10' lengths. Use Key Hole bracket #710808. Attach track to header using thru the skin bracket # 711386. Use a splice collar #465101 at each joint. End caps #646514 are supplied for each end of the track
3. Bottom Concealed Stay Rollers will contain the bottom of the door and will be located after the door is installed. Site drilling of the concrete floor is required.
4. Measure distance between bottom of top track bracket and finished floor.
5. The Verticals are pre cut based on supplied print information but confirmation is worth taking time.
6. Lay out Door structural components per component layout
7. When inserting the Girts – Place the SEAM DOWN so that it will face the floor when the door is hung.
8. The Triple top rail is pre-drilled 18" in from each side and 1- 1/4" from the rear.
9. Install Top and Bottom Rail (Top rail will have three pre drilled girts stacked together), Top and Bottom Rail are attached to the aluminum vertical with two tek screws at each joint, front and rear. Square door before inserting second tek.
10. Locate and place remaining girts per the girt spacing. Spacing starting from top down.
11. Square the door panel by measuring from corner to corner diagonally and equalizing.
12. Place two tek screws at each joint on the rear.
13. Turn the door panel over and place two tek screws per joint. Top and Bottom Rail also get two tek screws per joint.
14. Install Trolley Support Plate (2-3/8 X 4" drilled flat plate) under the bottom of the top rail girt at each hole drilled in top rail using assembly tek screws.
15. The Trolley System allows the trolley to be disconnected from the pendant. This will simplify installing the door onto the track.

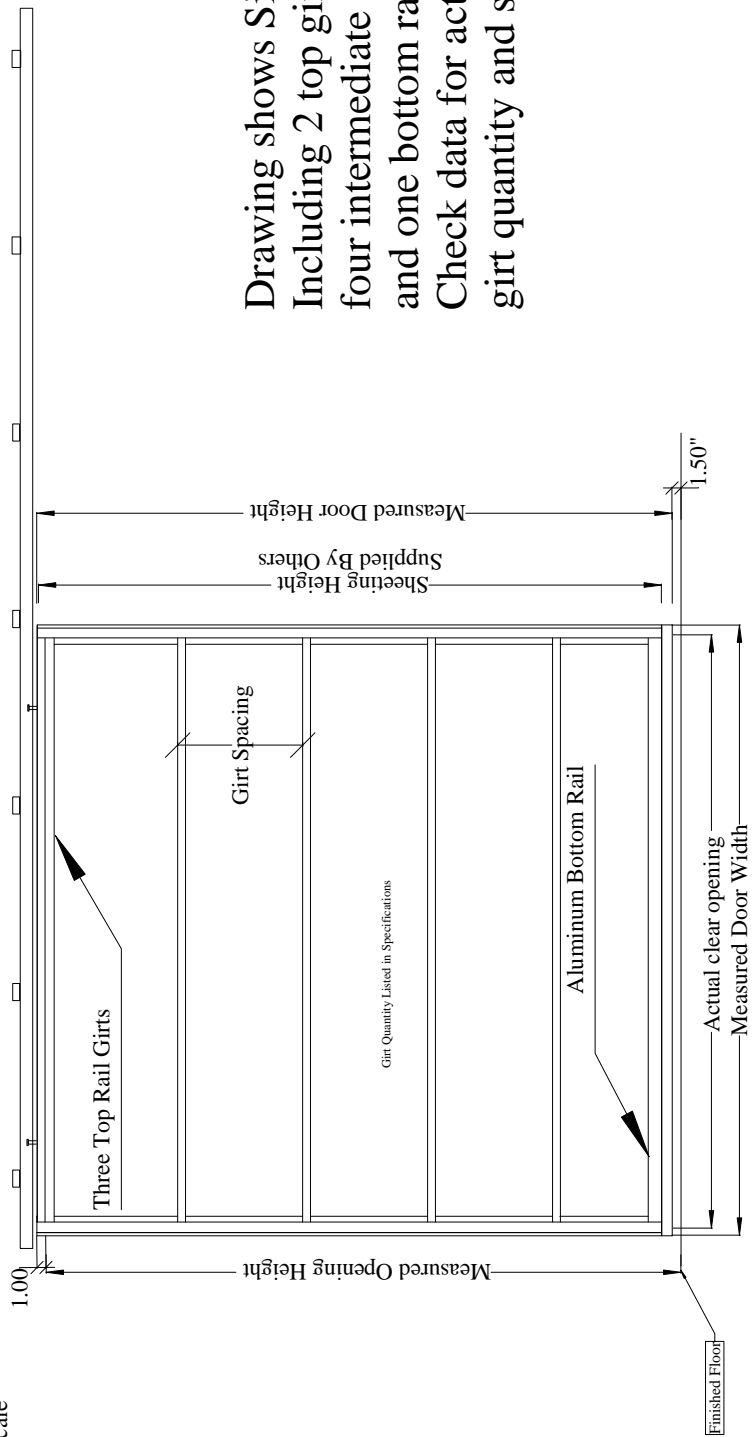
16. Insert trolleys pendant in top rail. Secure double nut under the top rail but do not tighten until doors are adjusted for height. There is an adjusting screw below the trolley above the door to adjust door to opening. Locate the screw head toward the outside.
17. Insert the Trolley rollers into the track.
18. Attach the trolley pendant to the trolley.
19. With the door panels hanging in the opening and plum, adjust the track and the adjustment screw on the trolley to assure the door will pass the building and each other with out rubbing.
20. Mark the center line of the Aluminum bottom rail on the concrete. Space the Concealed Stray rollers so that each panel is secured by at least 2 rollers at all time.
21. Drill holes in the concrete for the CSR's and insert them into the holes..
22. Install Walk Doors, sheeting, rain cover and trims. Sheeting, rain cover and trims by Others.
23. Door pulls are supplied with a backer bracket #500865, the pull can be installed as desired but if installed outside and placed vertically, the backer bracket must be placed behind the sheeting at a girt.
24. One Foot bolts for the each of the top hung doors is supplied and to be installed and is recommended to be installed near the center of the opening and located inside the door cavity. Be sure to install the concealed stay roller first and locate the foot bolt to miss the concealed stay rollers.

## **Periodic adjustment and maintenance**

- 1. Confirm that the jamb nuts on the trolleys are tight.**
- 2. Confirm that the bottom rollers are free turning.**
- 3. Confirm that all lock points are secure and operational**
- 4. Tighten any TEK screw that is visibly loose.**
- 5. Lubrication: It is NOT recommended to use any type of lubrication on the top trolleys. Top trolleys have a sealed roller bearings and lifetime warranty and the top track is self cleaning. The addition of lubrication will increase wear. Equally, the bottom roller will wear longer without the introduction of lubrication. The bottom roller shaft is steel. If necessary, add a minor amount of white lithium to the shaft of the bottom roller only.**



Not To Scale



Drawing shows Six girts  
Including 2 top girts,  
four intermediate girts  
and one bottom rail.  
Check data for actual  
girt quantity and spacing

Feet	Inches	Specifications & Dimensions for Print	CSA-4.5
14	0	Actual Clear Opening Width	Panels 1
14	0	Actual Clear Opening Height	Top Rail Girt Doubler 2
14	2	Outboard Panel Width	Bottom Rail Girts 0
0	0	Center Panel Width - 3 Panel Door	Standard Girts 5
0	0	Inboard Panel Width - 4 Panel Door	Aluminum Bottom Rail 1
14	2	Outrigger Width (structure by others)	Both Sides on 2,4 and 6 Panel
14	4	Actual Finished Door Width	
0	0	Outboard Track - Top Supplied / Bottom by Others	
29		Inboard Track - Top Supplied / Bottom by Others	
29		Overall Width Clear Space required For Door Operation	
14	0	Usable Width with door Open	
	1.5	Bottom Track Space Under Door Frame	
	6.75	Space required for Top Track above bottom of Header - Side Mount Bracket	
13	11.504	Measured Door Height - Door Lap Header 1"	
13	9.504	Sheeting Height (Site Verify and Supplied By Others)	
3	2.44	Space between girts.	<b>Girt Qty 7</b>

Approved as Is

Date

Approved with Changes Noted:

Date:

Cool-Air, Inc.	10/14/2013
CSA-4.5 TH Two Panel	Front View - No Scale
Girt Quantity listed Plus Bottom Rail	Alliance Steel, Inc.

PO 123419