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***CSA-5.0-BR Bottom Rolling Slide Door  
Assembly and Installation Instructions***

**Single panel door with Single track**

**This door does not use a girt doubler on top of the aluminum bottom rail.**

1. Open all structural component and hardware boxes and compare with itemized list in this instruction. Note: Structural components and hardware may arrive in separate shipments.
2. Install Top track per print. Use mounting brackets two foot on center. Track is punched 2' OC and mounts to single track brackets part #712138. The track brackets mount to the header 5/16x1" bolts, nuts and double washer. See print.  
Attach track to single track brackets using 5/16" fender washer and 5/16" bolt, nut and washer  
The track will have four 10' sections.  
A track cover bracket #712136 is attached with the bolt attaching the track to the track bracket.
3. Install a nominal 1-1/4" X 1-1/4" X 1/8" structural steel angle (supplied by others) bottom guide per print. Recommend installing weld strip in concrete when pouring. Option to weld spacer between guide angles and bolt space to existing concrete.
4. Measure distance between bottom of top track and top of bottom guide.
5. Lay out Door structural components per component layout. Suggested to start face down with protection to not scratch the paint.
6. Determine location of top guide pin on top rail. A double top rail girt is supplied and pre drilled and taped together in pairs (do not cut the tape). Install Trolley Support Bracket (3.5" drilled U-plate) on top and bottom of the double top girt at each hole using assembly tek screws. The holes will be towards the rear of the door
7. Install Top Rail and Bottom Rail with one screw at each joint.

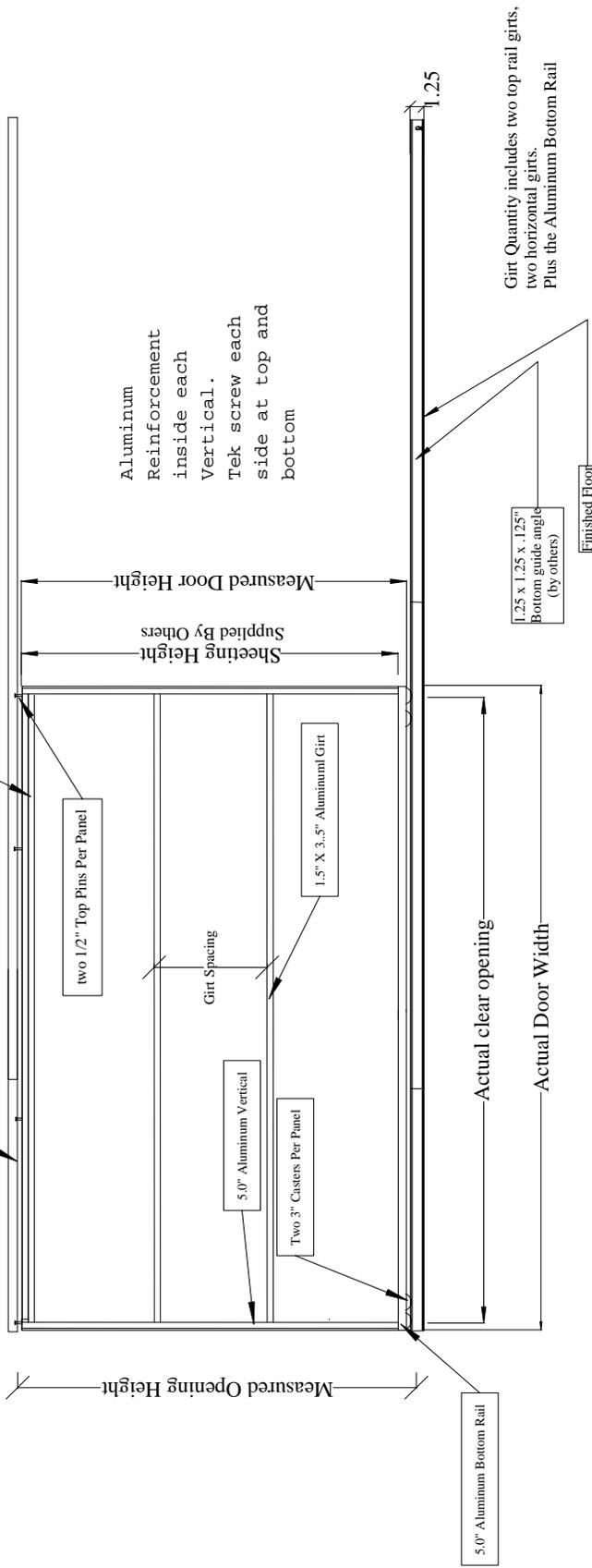
8. Locate and place remaining girts per the girt spacing. Numbers are starting from top down. This may vary per the number specified if the verticals are trimmed at site. **Vertical reinforcement girts are supplied and should be used to space the horizontal girts.**
9. The vertical reinforcement short section girts must be tek screwed into the vertical. Use one tek inside and outside at the top and bottom of each short girt. Four teks per section.
10. Square the door panel by measuring from corner to corner diagonally and equalizing.
11. Place two tek screws at each joint on the rear
12. Turn the door panel over and place two tek screws per joint.
13. Insert top guide pins in top rail. Secure with one Shaft collar on top and one under the top rail.
14. Bottom casters are pre installed in the bottom rail. A grease zerk fitting is installed on the axle and faces the front of the door. A bottom seal is fitted to the bottom rail and is cut to allow access to the grease fitting.
15. Slide door on bottom track and guide tip pin into top track from each side of opening.
16. Install a Jamb latch at each side of opening.
17. not used
18. White door pulls are supplied for the each panel and are installed on the outside by bolting thru a horizontal girt and the sheeting at the location desired for the pull.

#### Operation

1. Unlatch all locks and secure lock components so they will not rub the building.
2. Push each panel to the open position.
3. Reverse steps to close the door.
4. Re-latch all locks

#### Maintenance

1. Clean bottom guide of debris, especially stones.
2. Grease each bottom caster annually, more often with frequent operations or if any noise is heard from the caster area when the door is moving.
3. Visually check each top guide pin to insure they are secure.



| Feet | Inches | Specifications & Dimensions for Print                                    | CSA-4.5                       |
|------|--------|--|-------------------------------|
| 10   | 0      | Actual Clear Opening Width   | Panels 1                      |
| 10   | 0      | Actual Clear Opening Height  | Top Rail Girt Doubler 1       |
| 10   | 3      | Outboard Panel Width   | Bottom Rail Girts 0           |
| 0    | 0      | Center Panel Width - 3 Panel Door  | Standard Girts 3              |
| 0    | 0      | Inboard Panel Width - 4 Panel Door                                       | Aluminum Bottom Rail 1        |
| 10   | 3      | Outrigger Width (structure by others)                                    | Both Sides on 2,4 and 6 Panel |
| 10   | 3      | Actual Finished Door Width   |                               |
| 0    | 0      | Outboard Track - Top Supplied / Bottom by Others                         |                               |
| 21   |        | Inboard Track - Top Supplied / Bottom by Others                          |                               |
| 21   |        | Overall Width Clear Space required For Door Operation                    |                               |
| 10   | 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 |                               |
| 9    | 11.504 | Measured Door Height - Door Lap Header 1"                                |                               |
| 9    | 9.504  | Sheeting Height (Site Verify and Supplied By Others)                     |                               |
| 3    | 0.75   | Space between girts.   | Girt Qty 4                    |

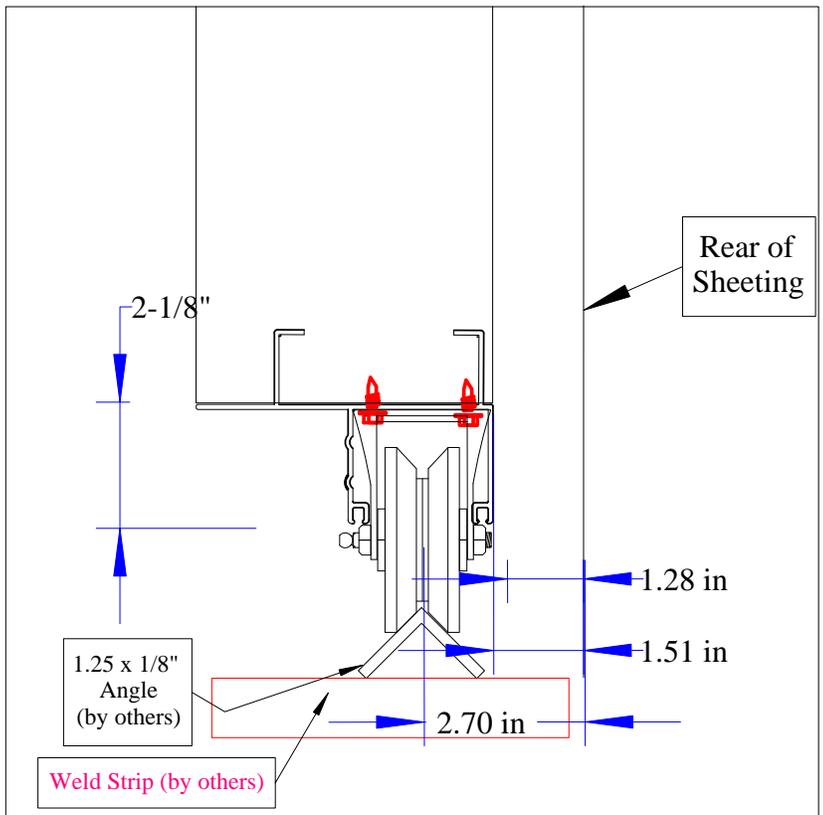
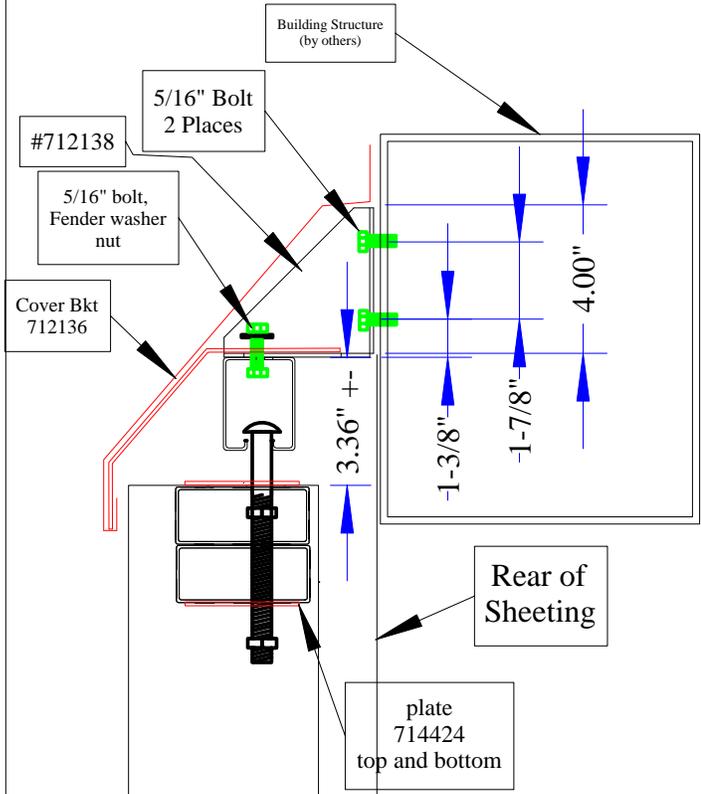
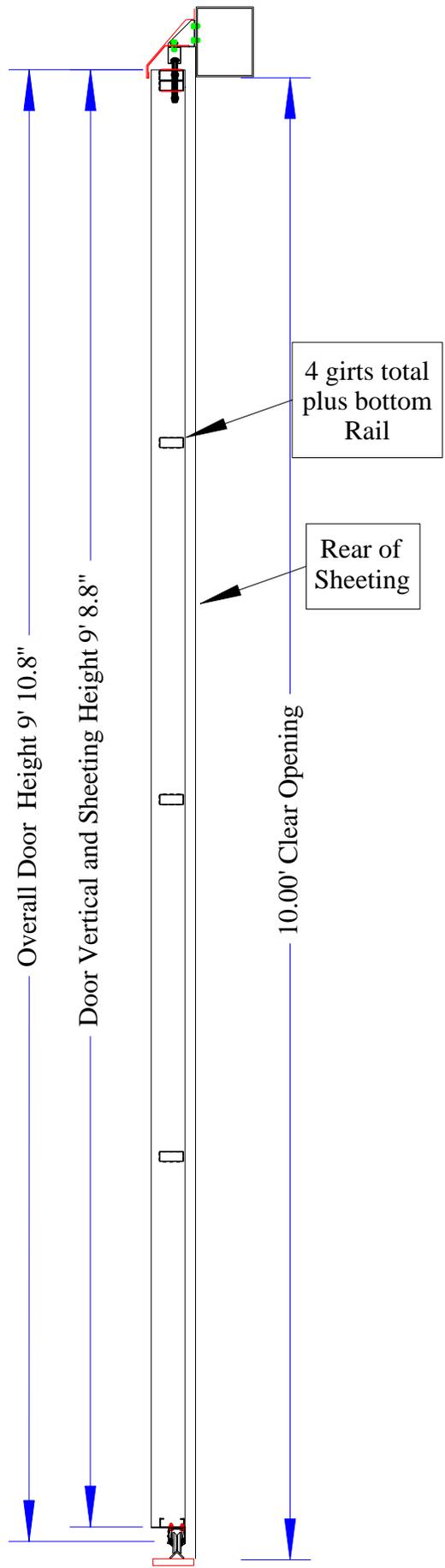
Approved as Is

Date

Approved with Changes Noted:

Date:

|                                       |                       |
|---------------------------------------|-----------------------|
| Cool-Air, Inc.                        | 10/23/2014            |
| CSA-4.5-BR One Panel                  | Front View - No Scale |
| Girt Quantity listed Plus Bottom Rail | Jacob Ind             |



|                   |                         |
|-------------------|-------------------------|
| Jacob Industries  | 10/22/2014              |
| Job - Jack Cannon | David Coolman           |
| O'dessa, Fl 33556 | Fold Tite Systems, Inc. |