

## Gordon Data Center Security Wall

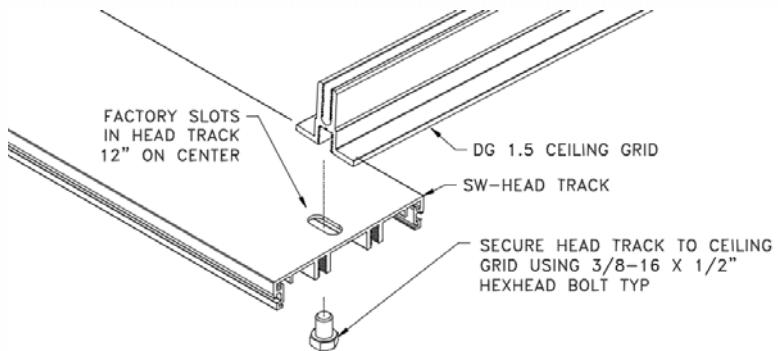
### Required Tools:

- Alignment tools
- Laser level,
- Rotary laser level,
- Mason's twine, or
- 4' level
  
- Drills and screw drivers with bits for installing # 2 Phillips head screws.
- 9/16" socket with extension for installing head track.
- Soft rubber mallet
- Non-permanent markers, graphite pencils, and chalk line.
- Saws that have the appropriate blade for cutting aluminum.

NOTE: Other tools may be required for installing brackets to floor depending on fasteners chosen to attach floor brackets.

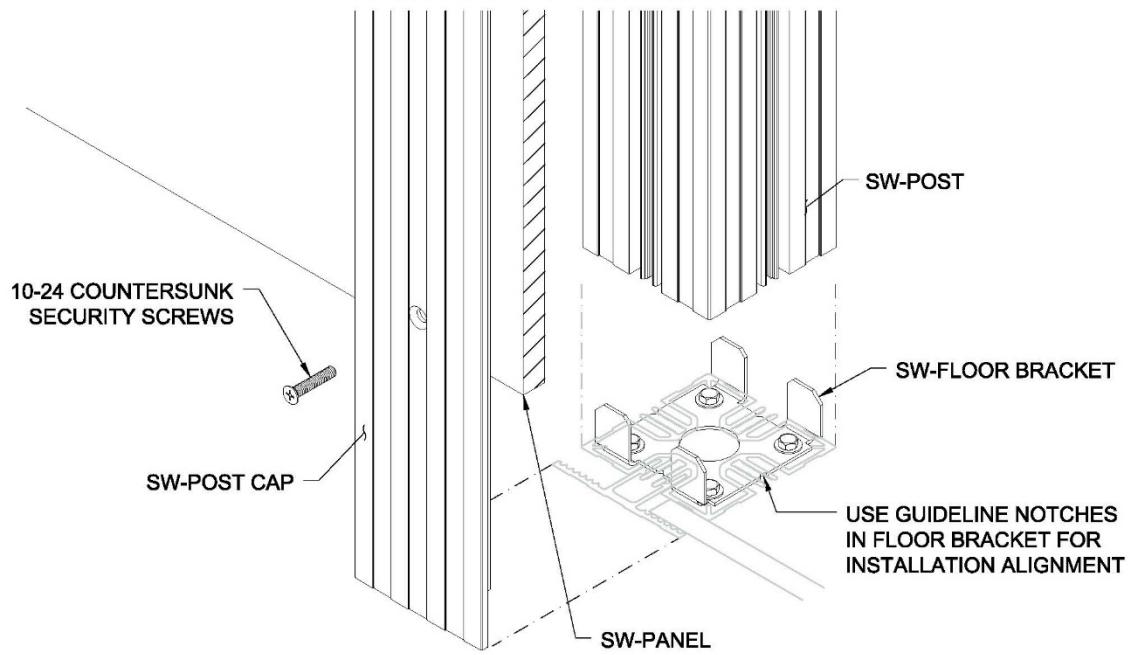
### Security Wall Installation Instructions:

1. Install top rails per required wall layout. Attach to grid ceiling through 3/8" X 1.5" slots to main tees FIG.1. Verify alignment of head track with a construction line laser, a string line, or erasable locating marks. Match part coding and parts to layout legend.



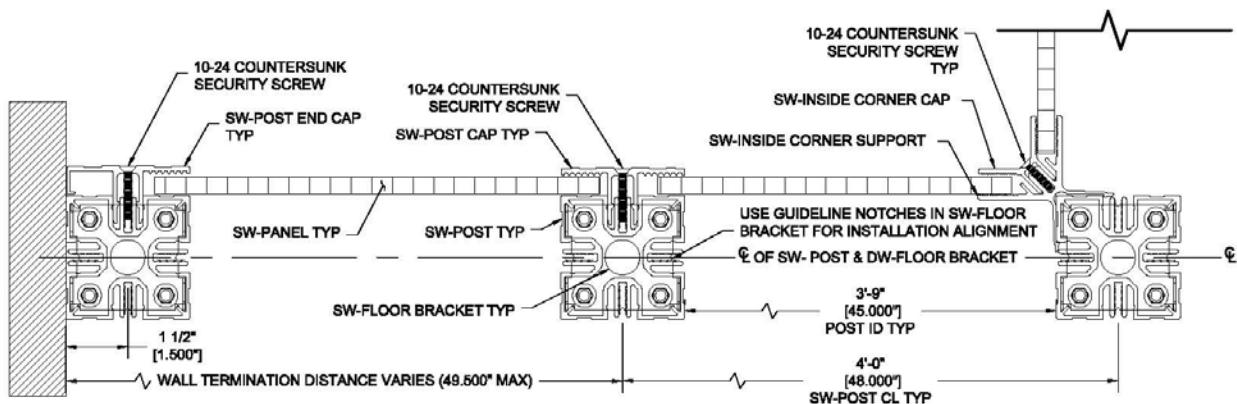
**FIG.1**

2. The centerline location of the floor bracket is 2.35" (2 15/64") from the outside face-edge of head track. Project the centerline of the head track slotted holes to the floor. Mark a line with visible erasable mark or chalk line or a construction line laser. This defines the center line of the floor brackets along the wall.
  
3. Locate floor bracket per layout aligned with center of head track. The floor brackets have locating notches to aid in centering post on established locations. Note orientation of mating parts **FIG.2**.



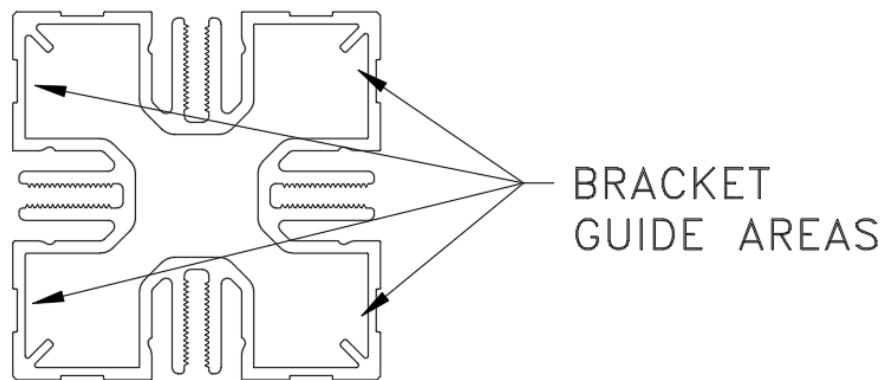
**FIG.2**

If the security suite is built next to an existing wall the first floor bracket will be installed 1.5" on center from start wall. (Approximately 1/8" from wall to edge of bracket.) **FIG.3** Fasten to floor with the appropriate fasteners for flooring material. Continue installing the floor brackets in line with the head track on 48" centers, as shown in layout **FIG.3**.



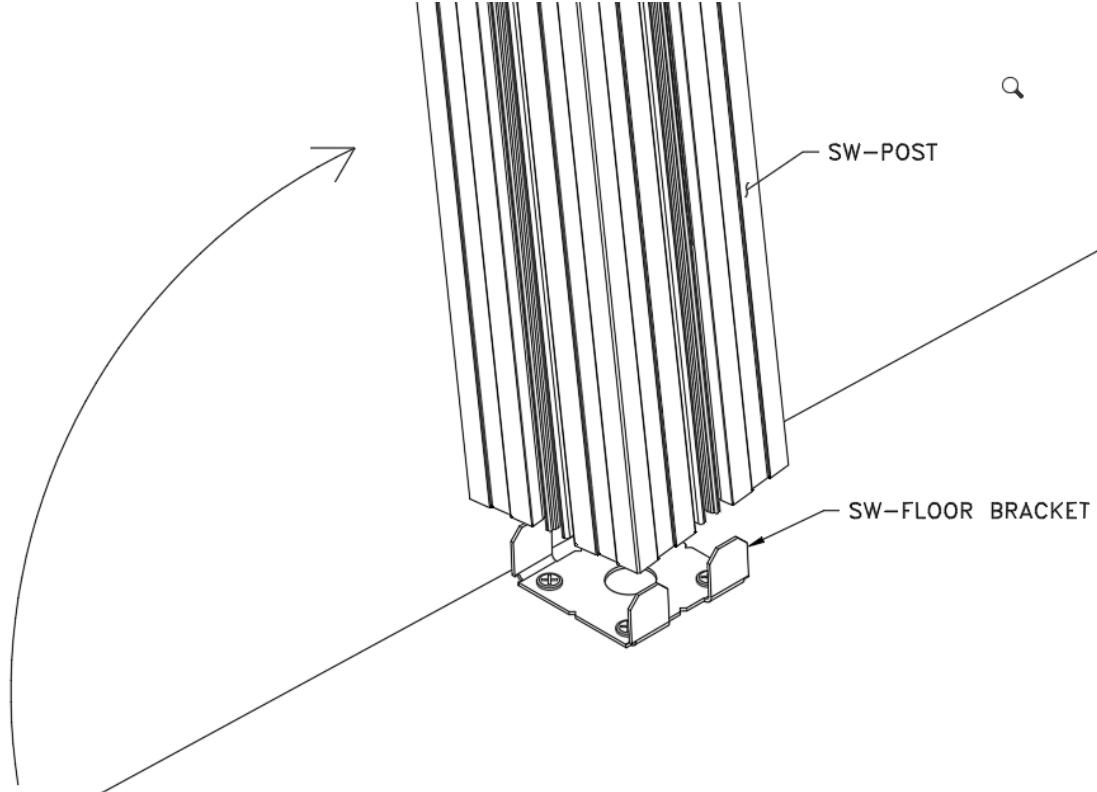
**FIG.3**

4. After the Top Rail and Floor Brackets are installed, the post installation may start. All posts at the top end will have two top brackets, except start and end posts located next to a wall use only one on the side opposite of wall. The brackets slide into the bracket guides.**Fig.4**.

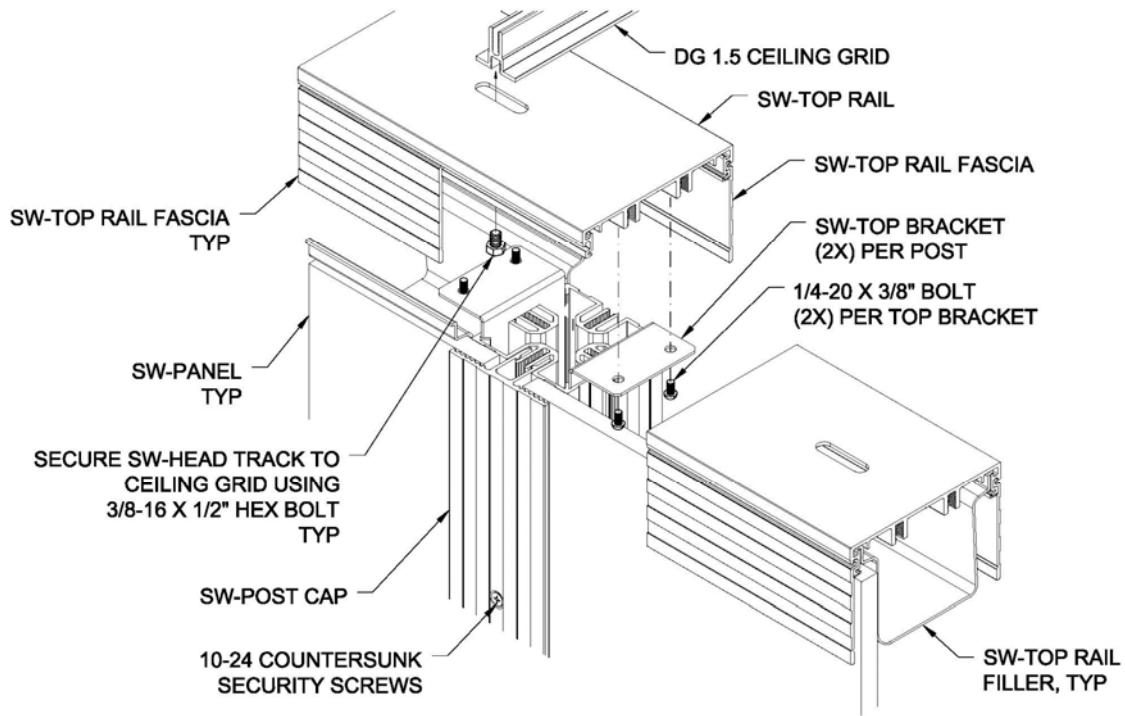


**FIG.4**

5. Install post over floor bracket next to wall. **Fig 5.** Align top bracket holes with head track screw bosses and fasten with supplied  $\frac{1}{4}$ -20 X 3/8" bolts. Repeat process using two top brackets per intermediate post. One bracket placed on each side as shown in **Fig 6**.



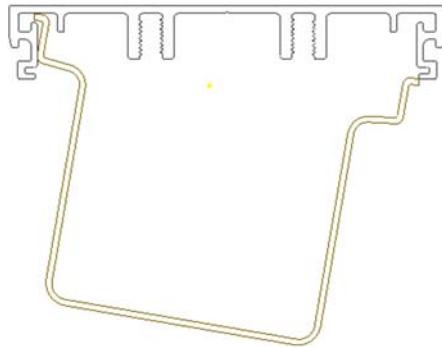
**FIG.5**



**FIG.6**

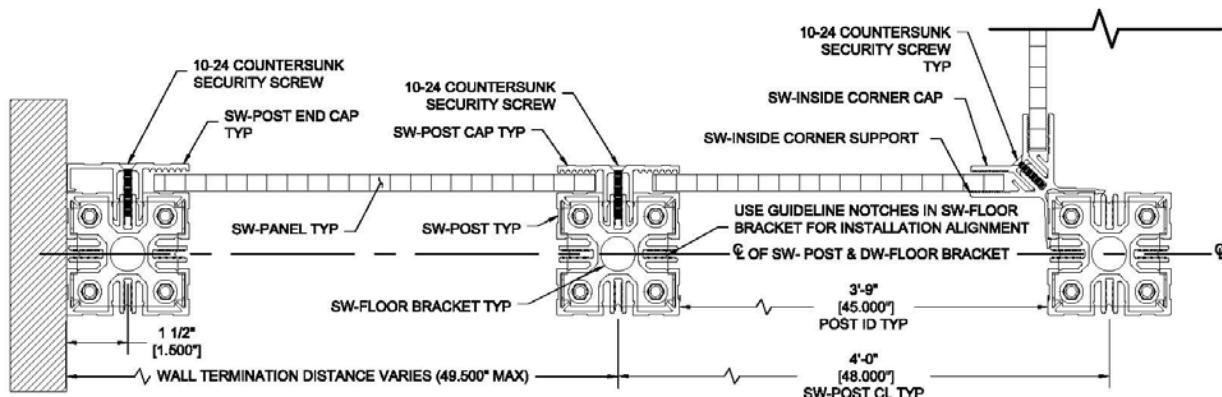
Note: It is important to maintain 45" spacing between post for installing head track filler.

6. Install Top Rail Fillers. For ease of installation, it helps to engage the filler lip in the head track at about a 10° angle and then bump in place with heel of hand. Fig. 7.



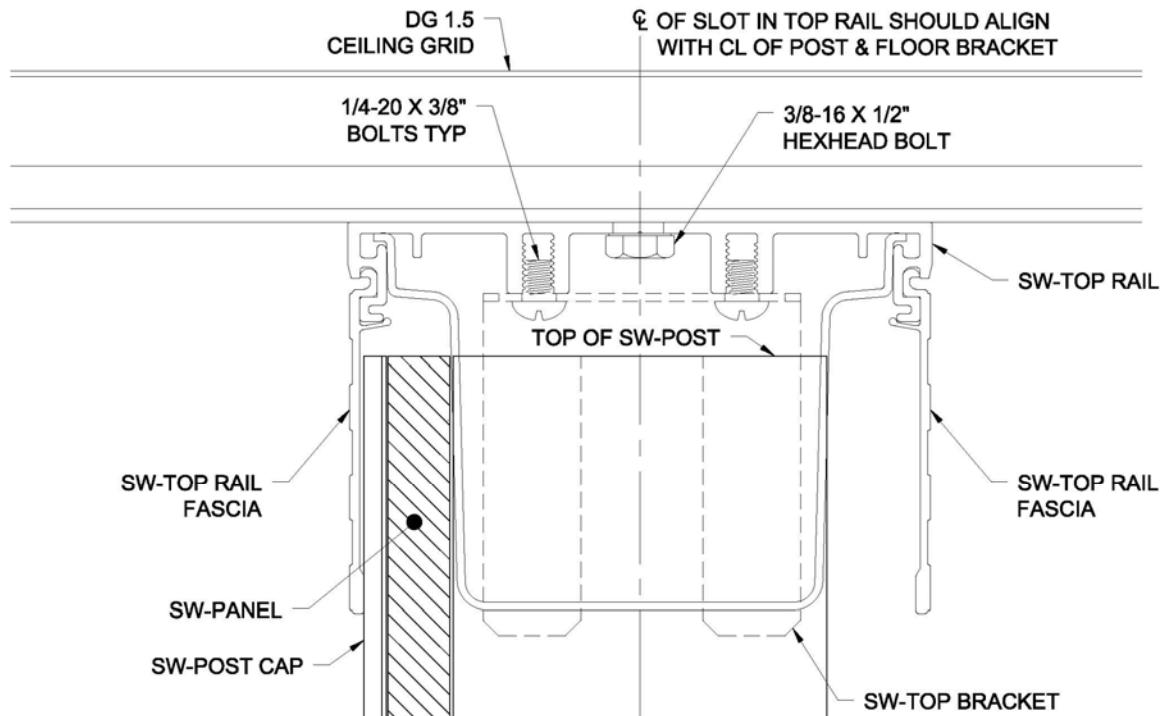
**FIG. 7**

7. **Fig. 8.** Install panels between posts. Peel protective coating about 3" away from edges of panels on both sides. Place panels in position between posts. Place post cap in line with post. Starting at floor working toward ceiling use a rubber mallet to impact batten in place against panels. Fasten post caps to posts with supplied 10-24 security screws.



**FIG. 8**

8. The Security Wall panels are factory made to fit post 48" on center. The final panel terminating at end wall may require field cutting if different to 47" supplied width. The panel can be cut with a table or circular saw. The width of the terminating panel is the measurement between post centers minus 1".

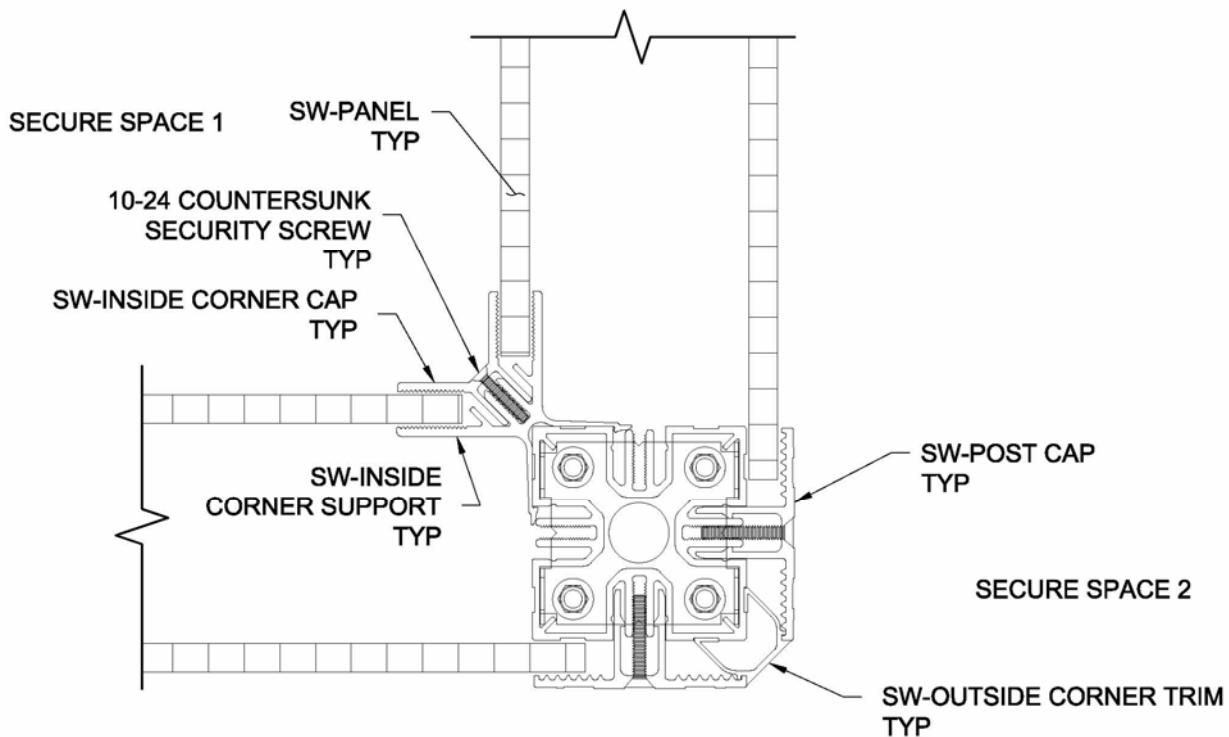


**FIG. 9**

9. Install the Top Rail Fascia supplied in 8' long pieces. Snapping into place on head track **Fig. 9.**

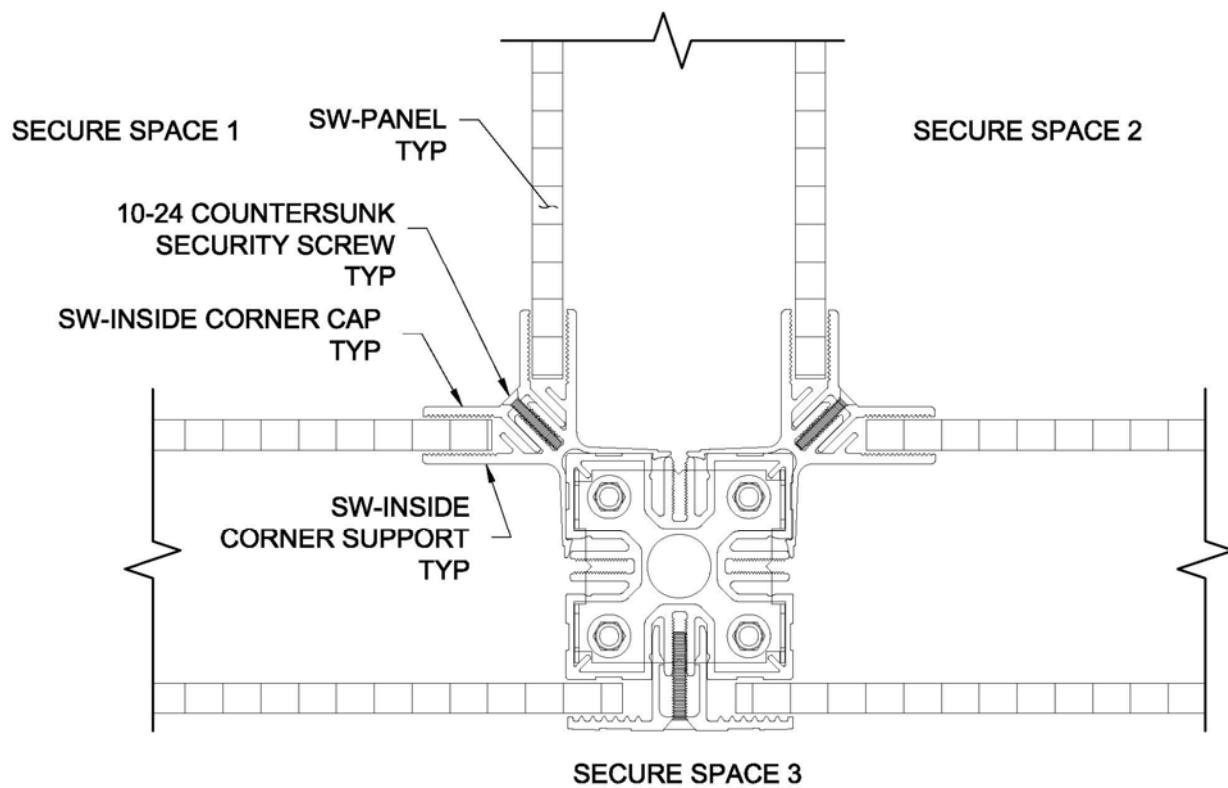
10. The Gordon security wall system allows to easily build corners or to install an intermediate wall. The pictures below illustrates the necessary parts required to install corners and intermediate walls.

The inside corners are created using an inside corner adapter placed on one of the stud corners as depicted below. The wall panels adjacent to the corner will be 2.00" narrower than the standard module panel. After the corner wall panels are placed, they are secured in place by the inside corner trim. The outside corner, as shown below, is created by using the standard post caps with a outside corner trim joining them. The outside corner panels are the same size of the modular panels. **Fig. 10.**



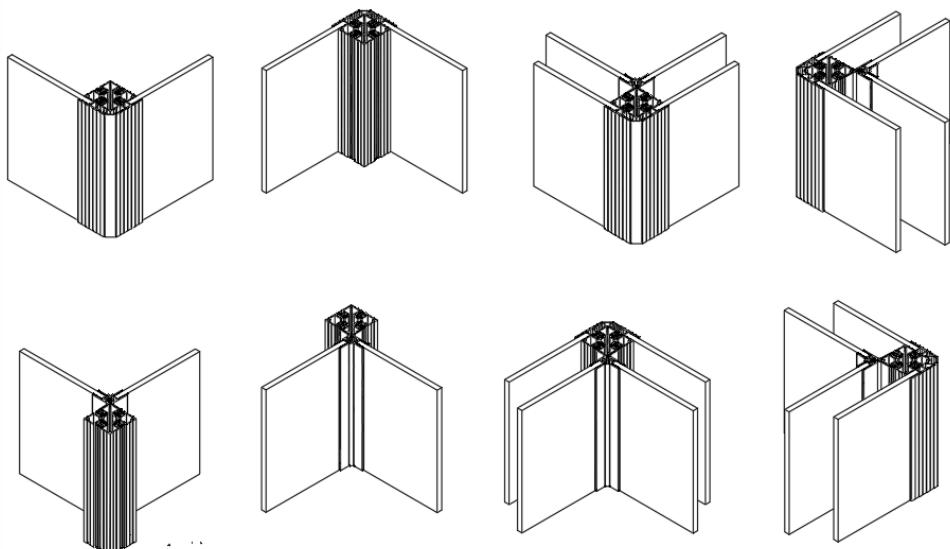
**FIG. 10**

The intermediate wall attachment is created very similarly to the inside corners, by using the inside corner adapter and the inside corner trim as depicted below. **Fig. 11.**



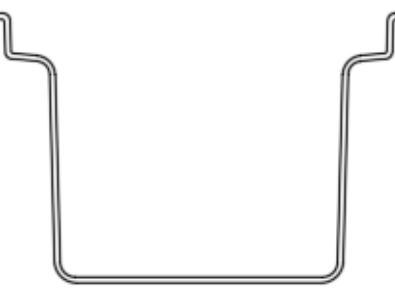
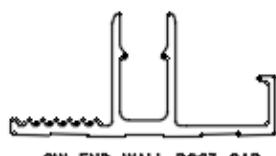
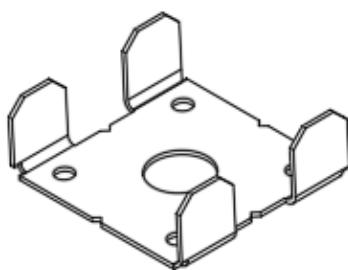
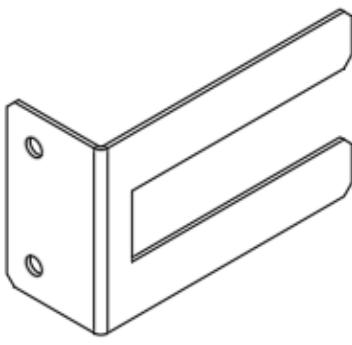
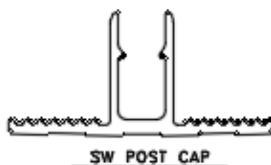
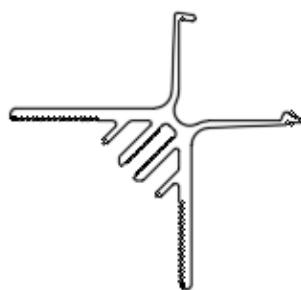
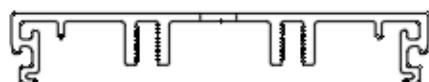
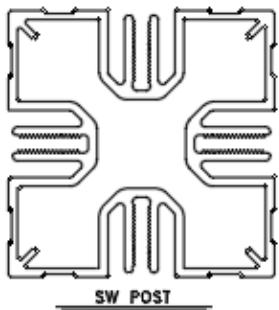
**FIG. 11**

Various Isometric views of single and double wall Gordon Security Wall configurations **Fig. 12.**



**FIG. 12**

## SECURITY WALL COMPONENTS



## **Security Wall Maintenance:**

### **Cleaning Powder Coated, Anodized, and Polyvision CeramicSteel Finished Products:**

Gordon's clear anodized and powder coated aluminum products may be kept clean and bright using the following steps:

1. For normal cleaning, a soft cloth with mild soap and water should be used. Material should have excess water wiped off.
2. If cleaning has been postponed for an extended period time and/or a tough "stain" is visible, first follow step one above. If this does not sufficiently clean the material, you should use a soft cloth with a 50-50 mixture of water and Isopropyl Alcohol. Material should have excess liquid wiped off.
3. If step one and two above is still not sufficient, you may use the 50-50 mixture of water and Isopropyl Alcohol with a small amount of "Comet" dabbed on the cloth. The damp cloth with the "Comet" should be used in a circular motion being careful not to rub to hard and leave scratches in the finish. Once done, the material must be wiped clean with a damp cloth to remove any "Comet" residue.

### **Cleaning twin wall polycarbonate panels:**

Use a warm soapy (mild liquid dish soap) water to clean polygal sheets. Wipe with a soft, clean lint-free cloth dampened with the soapy water. Wipe panel again with a lint-free cloth dampened with water only to remove soap residue. Dry with a soft cloth.

Cleaning procedures should be initiated as soon as practical after completion of installation to remove construction soils and accumulated soils from handling.

If you have questions call Gordon or visit our website:

1-800-747-8954

<http://www.gordon-inc.com>