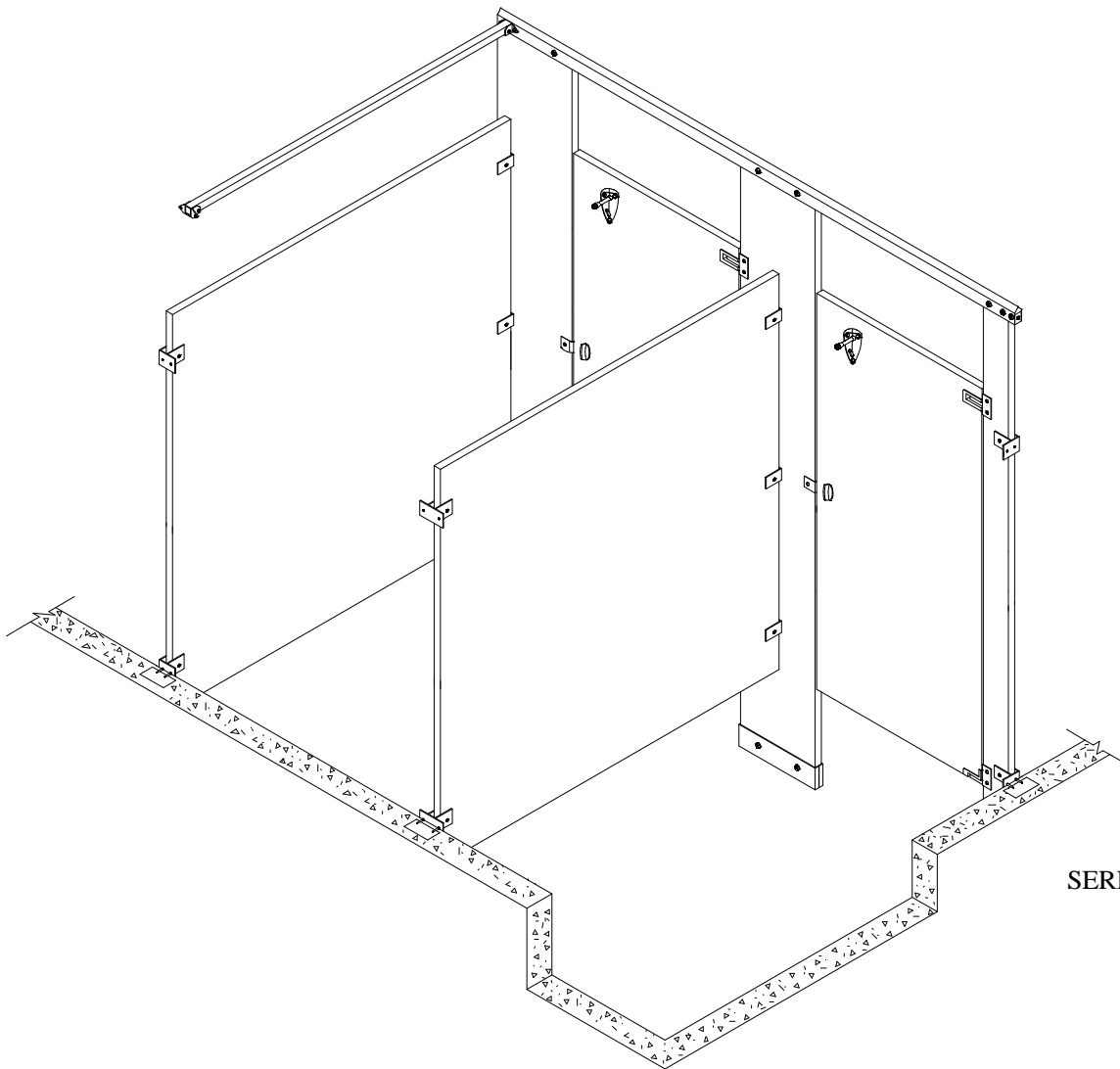


# GENERAL PARTITIONS Mfg. Corp.

1702 Peninsula Drive, Erie PA 16505-4243  
P.O. Box 8370, Erie, PA 16505-0370  
Phone (814) 833-1154 FAX (814) 838-3473

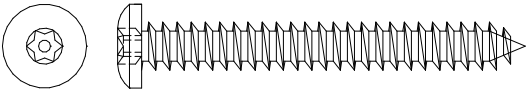
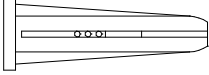
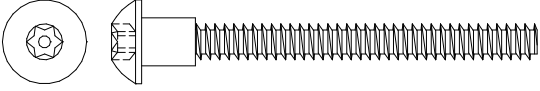
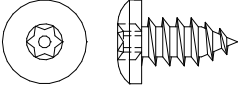
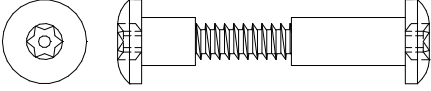
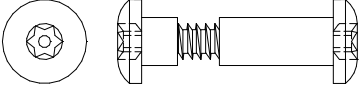
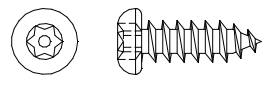
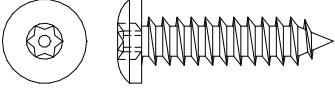
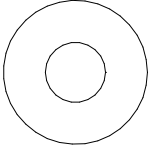
## *Installation Instructions for 30, 40, and 50 Series Plastic Laminate Toilet Partitions.*



SERIES 40-4

### **IMPORTANT!**

- \* PLEASE READ ALL INSTRUCTIONS AND STUDY DRAWINGS BEFORE BEGINNING
- \* VERIFY ALL DIMENSIONS ON JOB PRINTS WITH ACTUAL JOB CONDITIONS
- \* IN SERIES 40 BE SURE ALL PILASTERS ARE RIGHT SIDE UP
- \* FIRST HINGE HOLE SHOULD BE 12 3/8" FROM BOTTOM OF PILASTER
- \* THRU BOLTS ARE USED ON DOOR HARDWARE AND WHS SCREENS ONLY !!

	<p>2" TORX HEAD #12 SCREW- used for bracket-to-wall attachment, pilaster to floor attachment and headrail bracket-to-wall attachment. Drill 1/4" hole.</p>
	<p>PLASTIC ANCHOR- used in conjunction with the 2" x #12 screws.</p>
	<p>2 1/16" TORX #10 MALE MACHINE BOLT- used for attachment of back to back door pull on outswing doors only. Drill 1/4" hole.</p>
	<p>1/2" TORX HEAD #14 SCREW- used for headrail to headrail block and also back of headrail at top of pilaster. Drill 3/16" hole.</p>
	<p>1 1/4" TORX #10 THRU-BOLT- used for mounting hinge brackets and stop &amp; keeper to pilasters ONLY. Drill 1/4" hole.</p>
	<p>1" TORX #10 THRU-BOLT- used for WHS &amp; WHF urinal screen brackets to screen ONLY. Drill 1/4" hole.</p>
	<p>5/8" #10 TORX SCREW- used for attaching the coat hook and for attachment of the wall stop on outswing doors. Drill 1/8" hole.</p>
	<p>#14 x 1" TORX SCREW- used for attachment "U" brackets to back of pilasters and headrail block to pilaster at alcove connection. Drill 3/16" hole.</p>
	<p>1/4" x 3/4" x 1/16" WASHER- used for attachment of floor plate.</p>

## PLASTIC LAMINATE FASTENER SCHEDULE

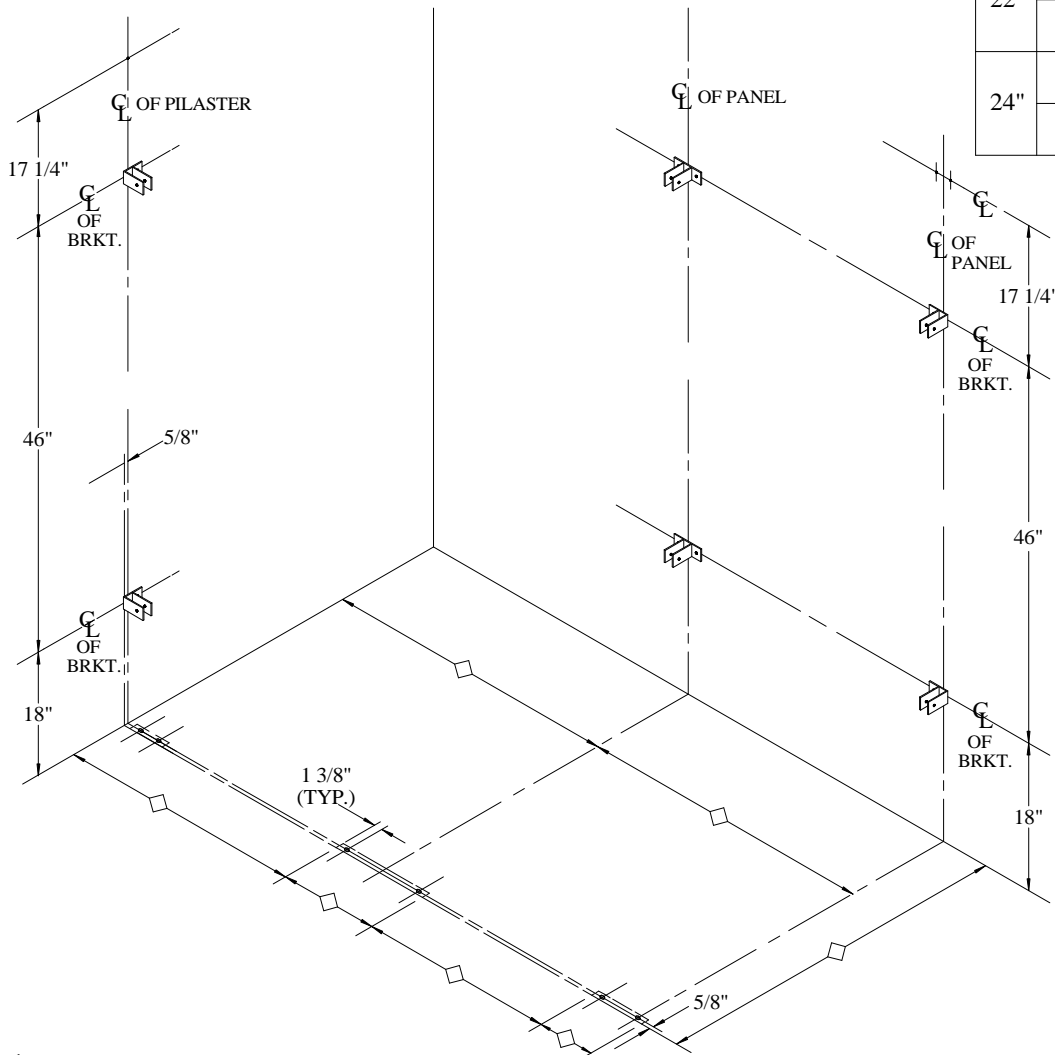
# STEP ONE:

## LAYOUT AND MOUNTING BRACKETS

- A. Establish and mark center line of pilasters, measuring out from back wall at each end of stall run.  
(Refer to ceiling bolt layout on Series 50)
- B. Establish and mark center lines of top and bottom wall brackets (if possible locate in mortar joints.)  
NOTE: Series 30 and 50 require a third wall bracket in the center to mount the pilaster to the wall.
- C. Measure from side wall and center of pilasters for floor fasteners according to job print, mark. Refer to chart on right for center to center distance of floor fasteners.
- D. Mark all bracket holes using the brackets as a template.
- E. Drill 1/4" holes for all wall brackets.
- F. DRILLING:

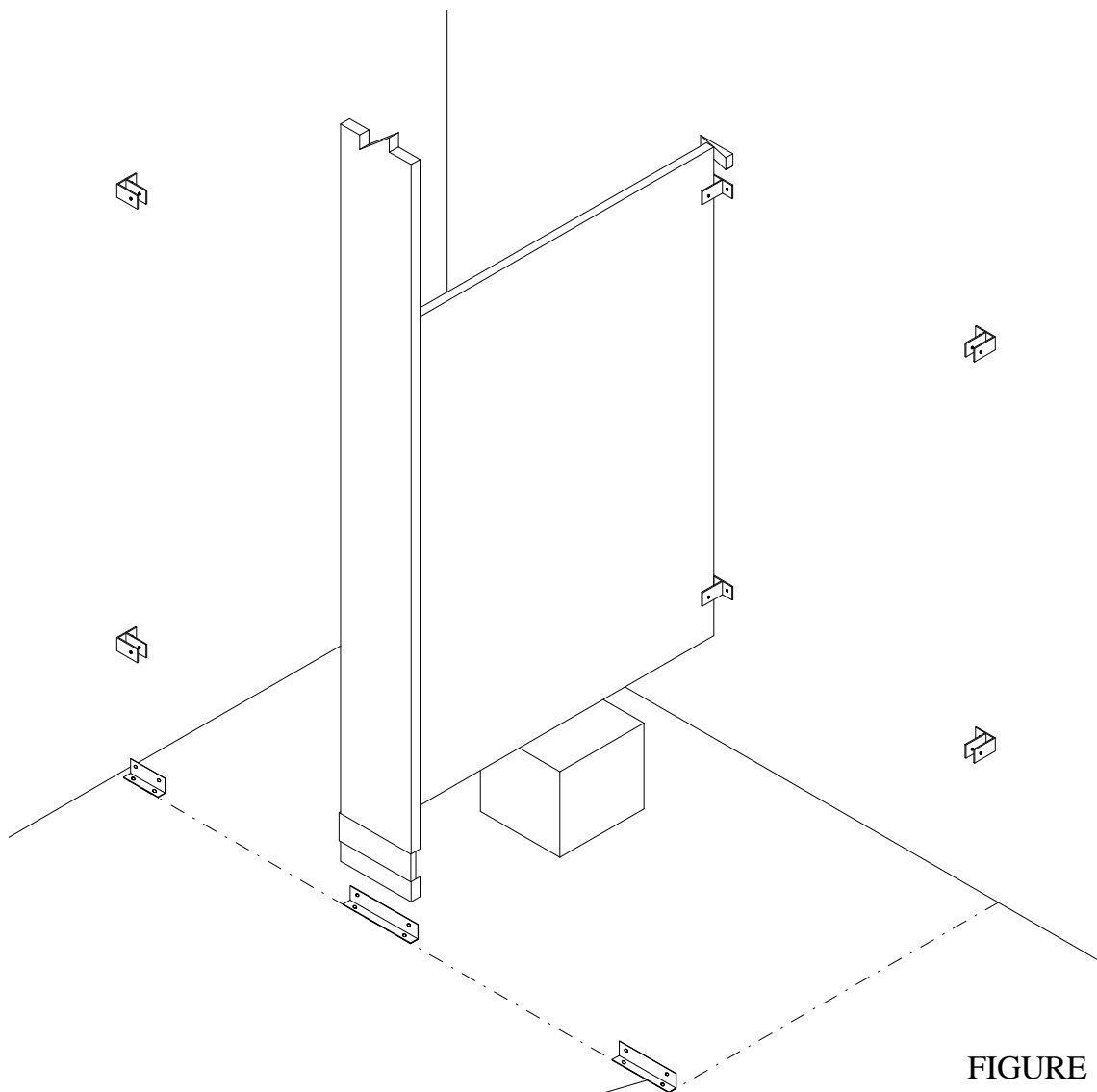
- \* Series 40-4 - Drill 1/4" hole for floor fasteners.
- \* Series 30-4 - Drill 5/8" hole for floor bolts
- \* Series 50-4 - Drill 7/16" hole in structural beam before finished ceiling is applied (locate in same manner as floor anchors.)

DIMENSIONS FOR DRILLING FLOOR FASTENERS					
PIL. SIZE	NO. OF BOLTS	PIL. EDGE TO $\bar{C}$ OF DRILL		$\bar{C}$ TO $\bar{C}$ OF DRILL HOLES	
		30	50	30	50
2"	1	—	1"	—	—
3"	1	—	1 1/2"	—	—
4"	2	1"	1 3/8"	2"	1 1/4"
5"	2	1"	1 3/8"	3"	2 1/4"
6"	2	1"	1 3/8"	4"	3 1/4"
8"	2	1"	1 3/8"	6"	5 1/4"
10"	2	1"	1 3/8"	8"	7 1/4"
12"	2	1"	1 3/8"	10"	9 1/4"
14"	2	1"	1 3/8"	12"	11 1/4"
18"	2	30	40	30	40
	1"	1 3/8"	16"	15 1/4"	
18"	3	50		50	
	1"			● 8" ● 8" ●	
20"	2	30	40	30	40
	1"	1 3/8"	18"	17 1/4"	
20"	3	50		50	
	1"			● 9" ● 9" ●	
22"	2	30	40	30	40
	1"	1 3/8"	20"	19 1/4"	
22"	3	50		50	
	1"			● 10" ● 10" ●	
24"	2	30	40	30	40
	1"	1 3/8"	22"	21 1/4"	
24"	3	50		50	
	1"			● 11" ● 11" ●	



## **STEP TWO - A:** **POSITIONING PANEL**

- A. Place some type of support (adjustable if possible) in position to hold panel. (See elevation for height off floor)
- B. Set panel on support and into wall brackets.  
DO NOT FASTEN



Floor plates for Series 40 only  
For all other series refer to  
page 3 for pilaster connections

## **STEP TWO - B:** **PREPARING PILASTER ANCHOR**

### Series 40-4

- \* Place plastic anchor in floor holes.
- \* Over each anchor, place the adjustable floor plate, washer, and fasten to floor with #12 x 2" torx screw.

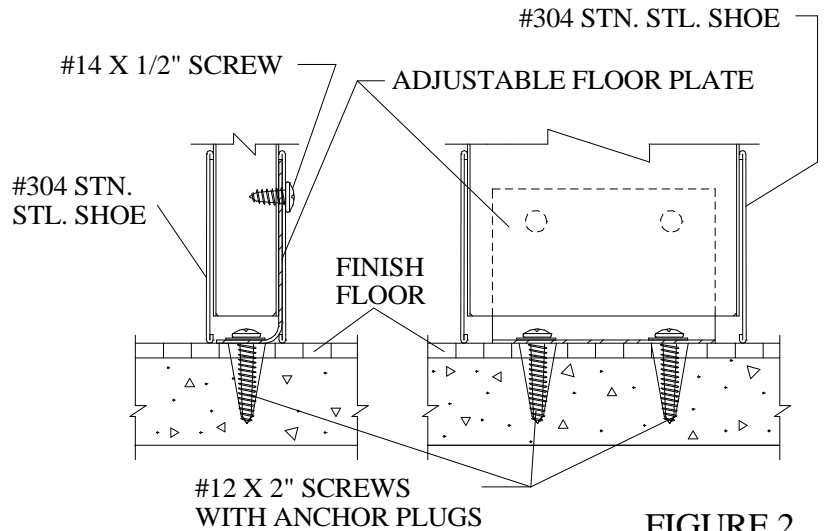


FIGURE 2

### Series 30-4

- \* Place expansion shield in floor holes.
- \* Screw (hand tight) 3/8"-16 x 5" long stud into shield.
- \* On each stud place (1) washer.
- \* Screw (2) 3/8"-16 hex nuts on to each stud, tighten the two hex nuts together with a wrench then tighten stud into expansion shield.
- \* Release bind on nuts and run down on the studs.
- \* Place (1) washer over each stud.

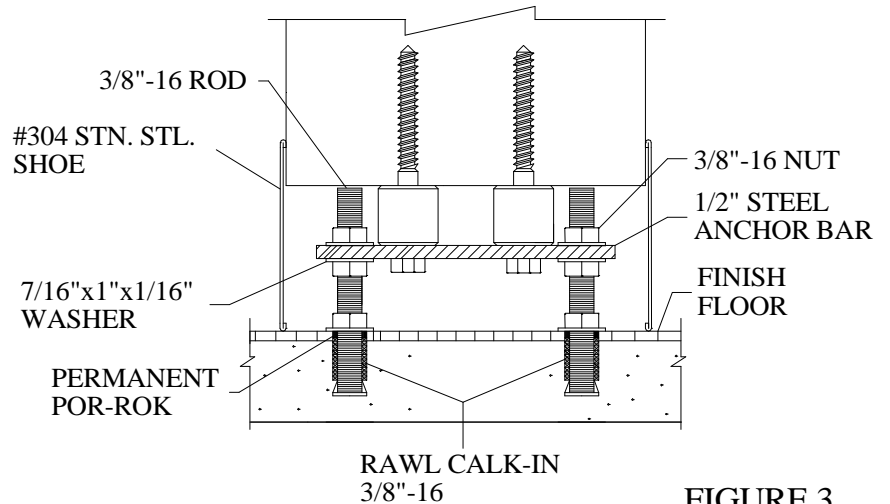


FIGURE 3

### Series 50-4

- \* Insert 5" rods through holes in beam before finished ceiling is applied.
- \* Drop washer over rod.
- \* Screw on (1) 3/8"-16 hex nut.
- \* Install second washer and nut under beam.
- \* Tighten all nuts and apply finished ceiling.

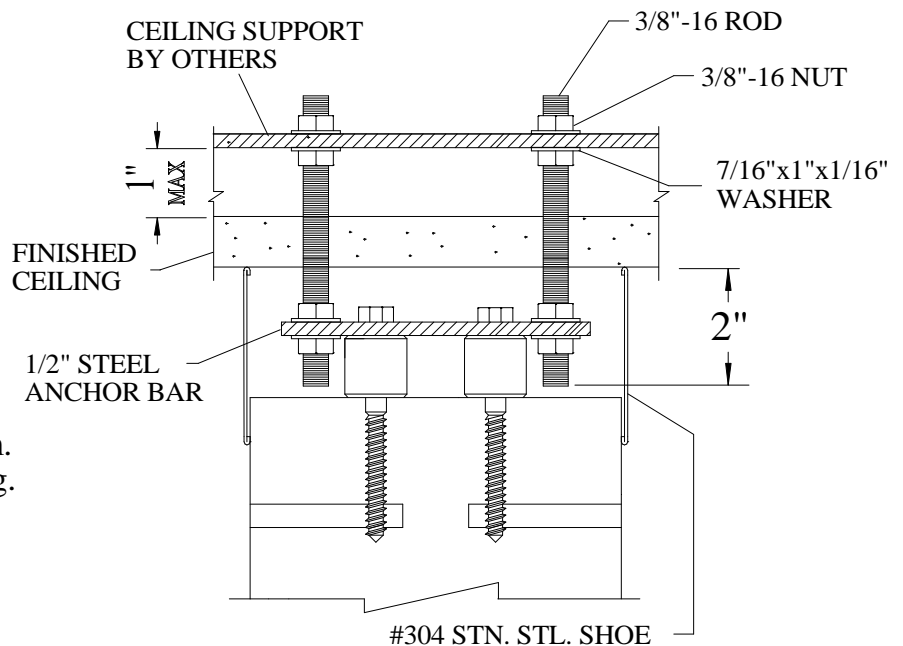


FIGURE 4

# STEP TWO - C:

## ATTACHING PILASTERS

- C. Fasten panel "U" brackets to pilasters with #14 x 1" torx screws at proper locations. (see detail that corresponds with job series)
- D. Slide stainless steel shoe on pilasters. (Do Not Fasten)
- E. POSITIONING PILASTERS:

\* Series 40-4

Place pilaster in position over adjustable floor plate.

\* Series 30-4

Slip pilaster over floor stud.

Place (1) washer and nut down over stud loosely.

\* Series 50-4

Place (1) nut and washer on stud.

Slide pilaster on stud.

Slip on last washer and nut loosely.

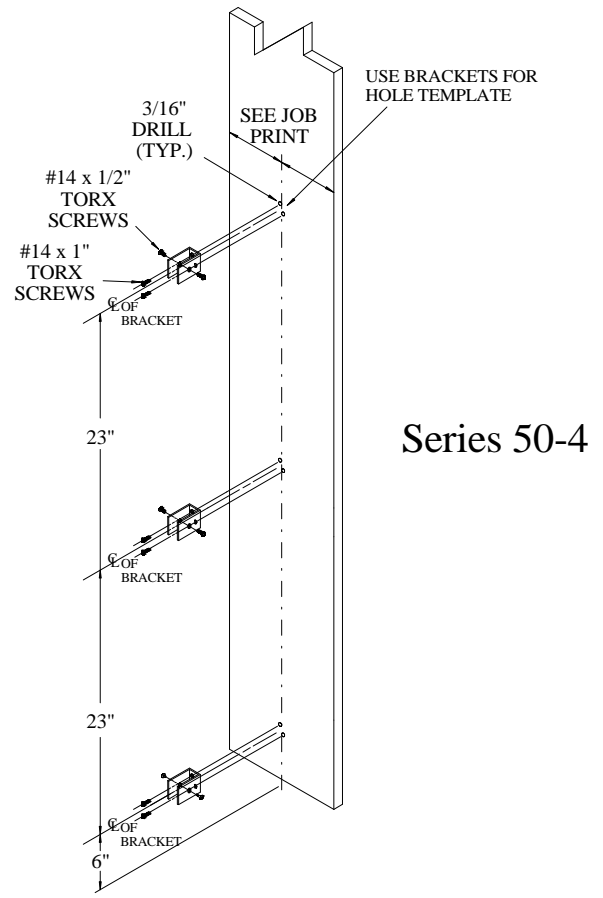
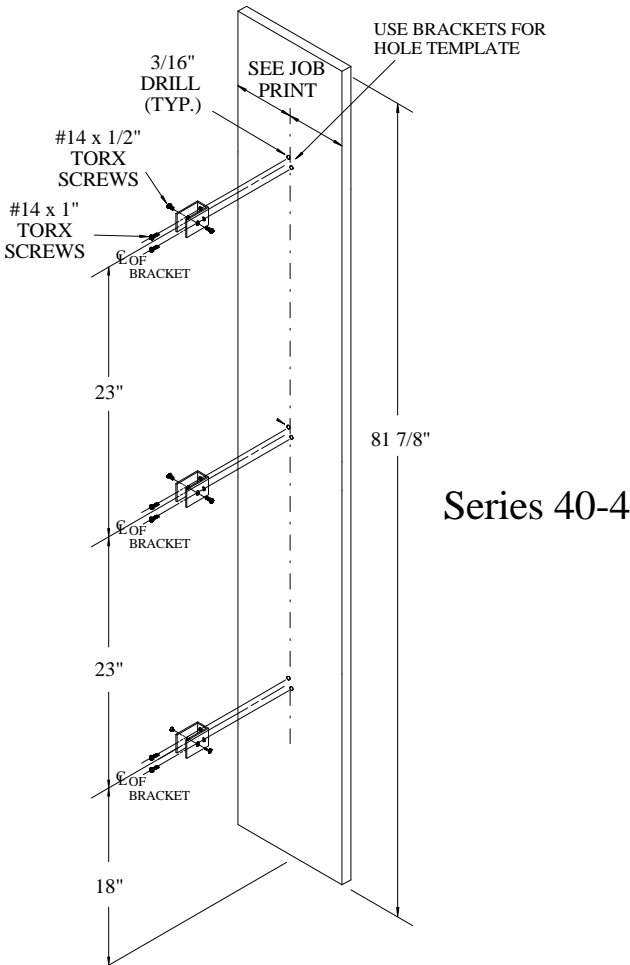
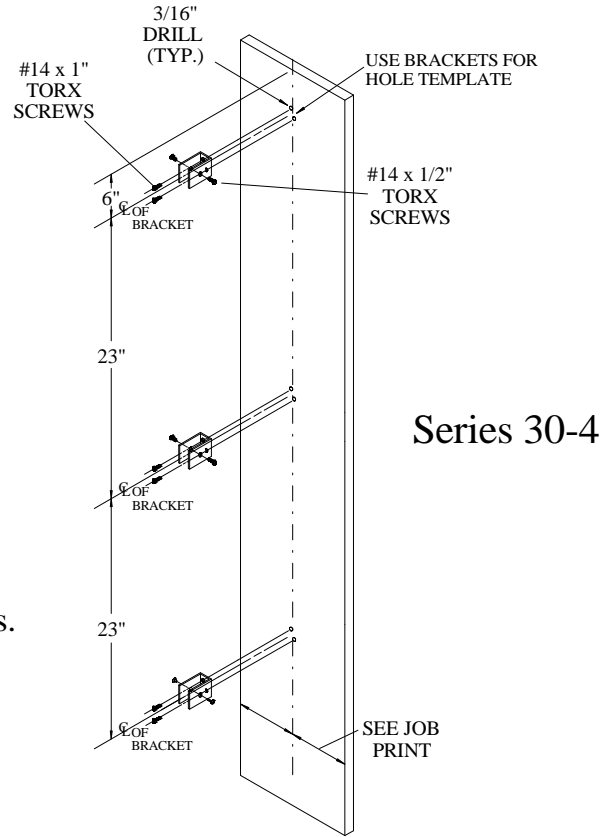
F. Fasten pilaster brackets to panel with #14 x 1/2" torx screws.

G. Plumb pilaster, place wedge at top rear of panel between panel and wall. (see figure 1)

Repeat for each compartment.

H. Series 30 and 50 ONLY.

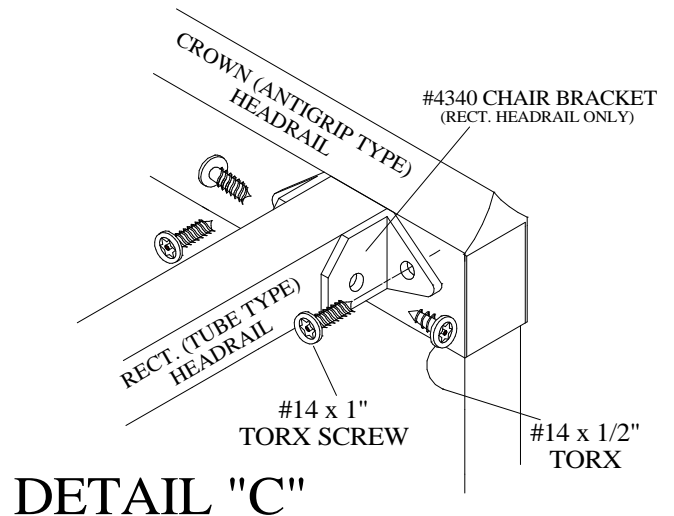
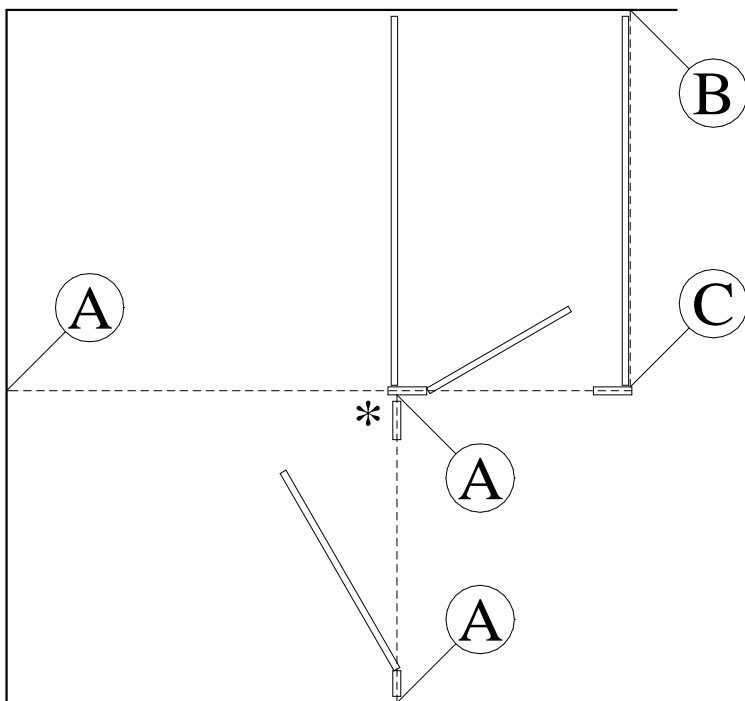
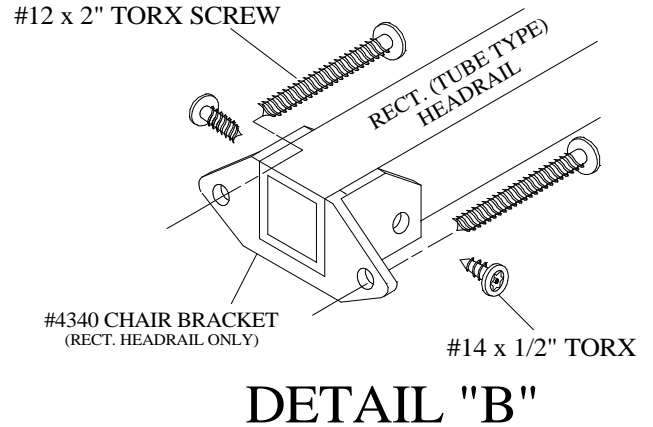
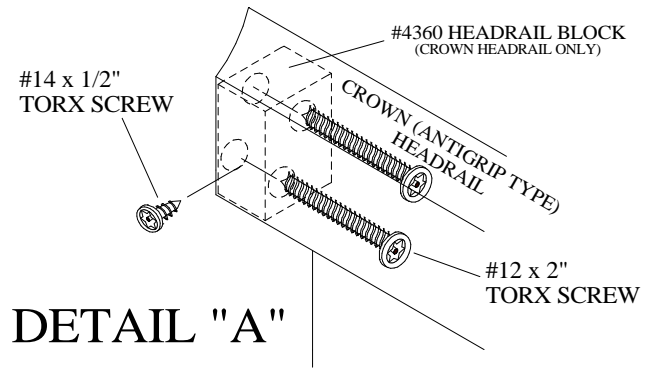
Attach panels to wall brackets at this time, drilling 3/16" holes and fastening with #14 x 1/2" torx screws



# **STEP THREE:**

## **MOUNTING HEADRAIL SERIES 40 ONLY**

- A. Level headrail on top of pilasters from one compartment to the next.
- B. Establish location of headrail wall brackets on side wall by placing the bracket on one end of the headrail and lowering it into position. mark position and remove headrail. (see detail "A")
- C. Drill 1/4" hole into wall and insert anchors.
- D. Fasten to wall with #12 x 2" torx screws.
- E. Replace headrail and drill 3/16" hole from the inside of the compartment, securing to bracket with #14 x 1/2" torx screw.
- F. Drill 3/16" holes and secure panels to wall brackets with #14 x 1/2" torx screws
- G. Drill 3/16" hole and attach headrail chair bracket to end pilaster with #14 x 1" torx screws. (see detail "C")
- H. Place headrail wall bracket on one end of headrail, place in position and mark.
- I. Drill 1/4" holes and fasten chair bracket to back wall with #12 x 2" torx screws. (see detail "B")
- J. Cut headrail to length and slip into brackets.
- K. Drill 3/16" holes and attach brackets to headrail at each end with #14 x 1/2" torx screw.



\* = SAME CONNECTION AS DETAIL "A"  
BUT USE #14 x 1" SCREWS INTO  
PILASTER

## STEP FOUR:

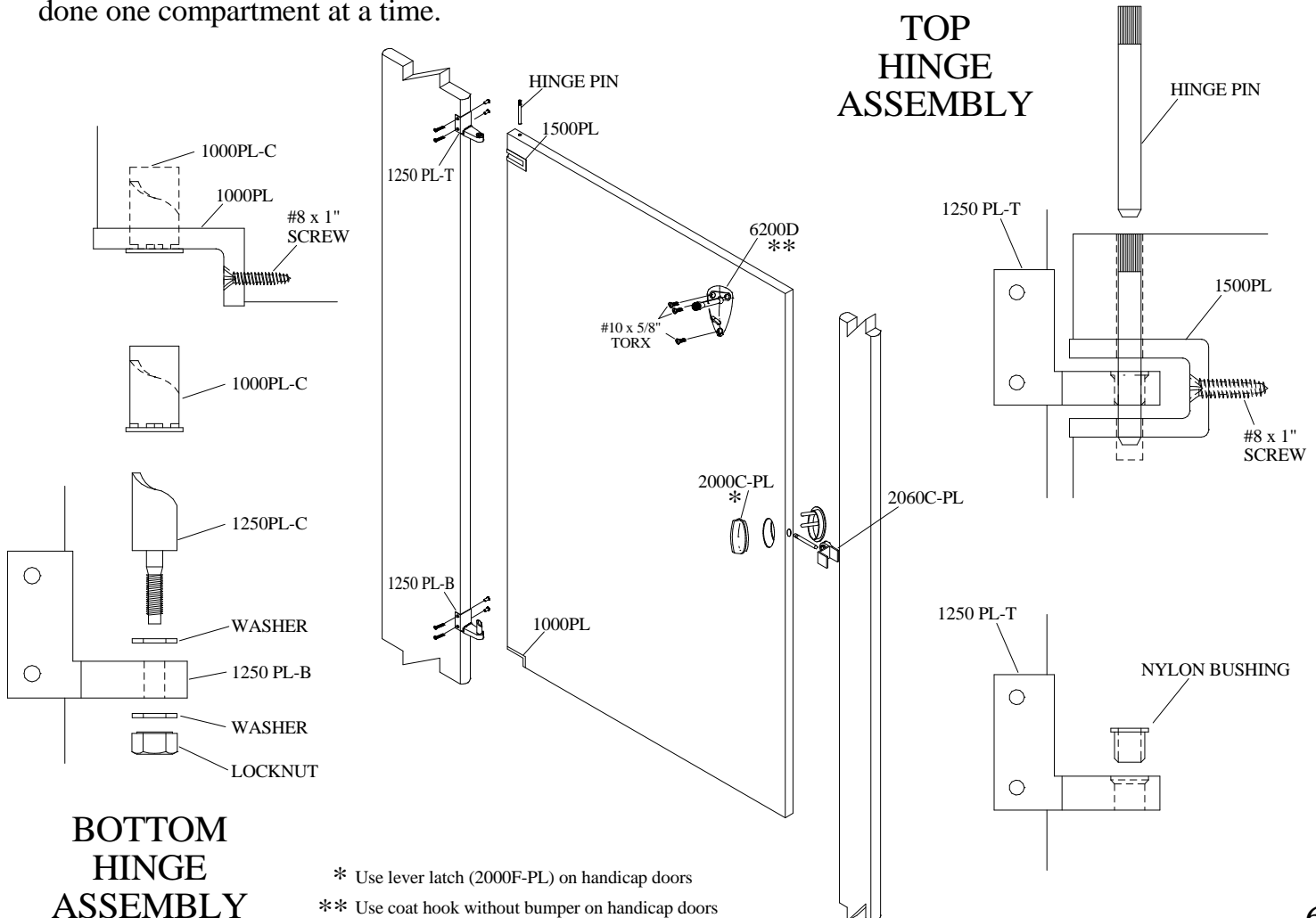
### SET DOOR OPENINGS

- A. Position wall pilaster - plumb and secure.
- B. Using wall pilaster as a reference point, position each pilaster to required door opening (see shop drawings) and secure.
- C. FASTENING PILASTERS:
  - \* Series 40-4  
Fasten pilaster to floor plate with #14 x 1/2" torx screw through holes prepunched in shoe. Locate screw on back side of pilasters. (see figure 2)
  - \* Series 30-4  
Adjust hex nuts to level pilasters and tighten all nuts firmly.  
Secure stainless steel shoe with #14 x 1/2" torx screw. (see figure 3)
  - \* Series 50-4  
Adjust hex nuts to level pilasters and tighten all nuts firmly.  
Secure stainless steel shoe with #14 x 1/2" torx screw. (see figure 4)
- D. Drill 3/16" holes and fasten headrail to the pilasters from inside the compartment with #14 x 1/2" torx screw. This is to be done one compartment at a time.

## STEP FIVE:

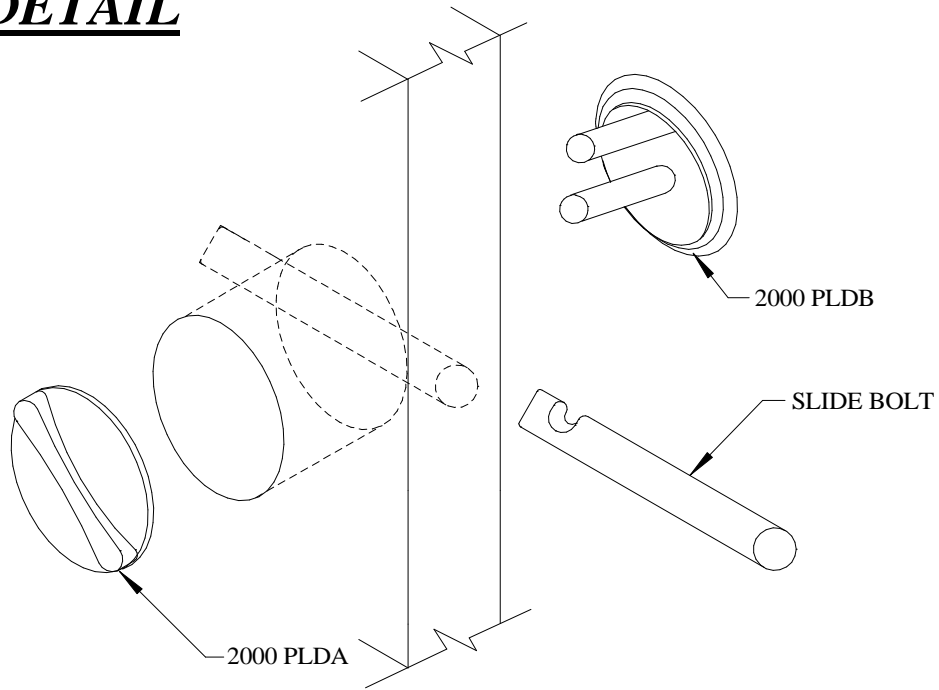
### HANGING DOORS

- A. Mount hinge brackets on pilasters with sex bolts in predrilled locations.  
NOTE: If pilasters are not predrilled see page 11 for template location
- B. Install top and bottom chrome plated hinge inserts into pre-notched locations on doors and secure with #8 x 1" phillips head screws.
- C. Insert female cam in bottom hinge casting on door. Set door on male cam located on bottom hinge brackets. Drive pin through hole in top of door all the way until it is flush with top of the door.
- D. To adjust door, loosen lock nut, adjust door to desired position, retighten nut.
- E. Slide latch bar in from the hole on side of the door, being sure that the notched section of the bar is located on top. (See sheet #7)
- F. From the outside of the compartment, insert male latch cover, threading top post through notch in latch bar.
- G. Align inside female knob with pins on male knob, press firmly until locked into place.
- H. Align stop and keeper with latch bolt, drill 1/4" hole and fasten with 1 1/4" pilaster sex bolt.



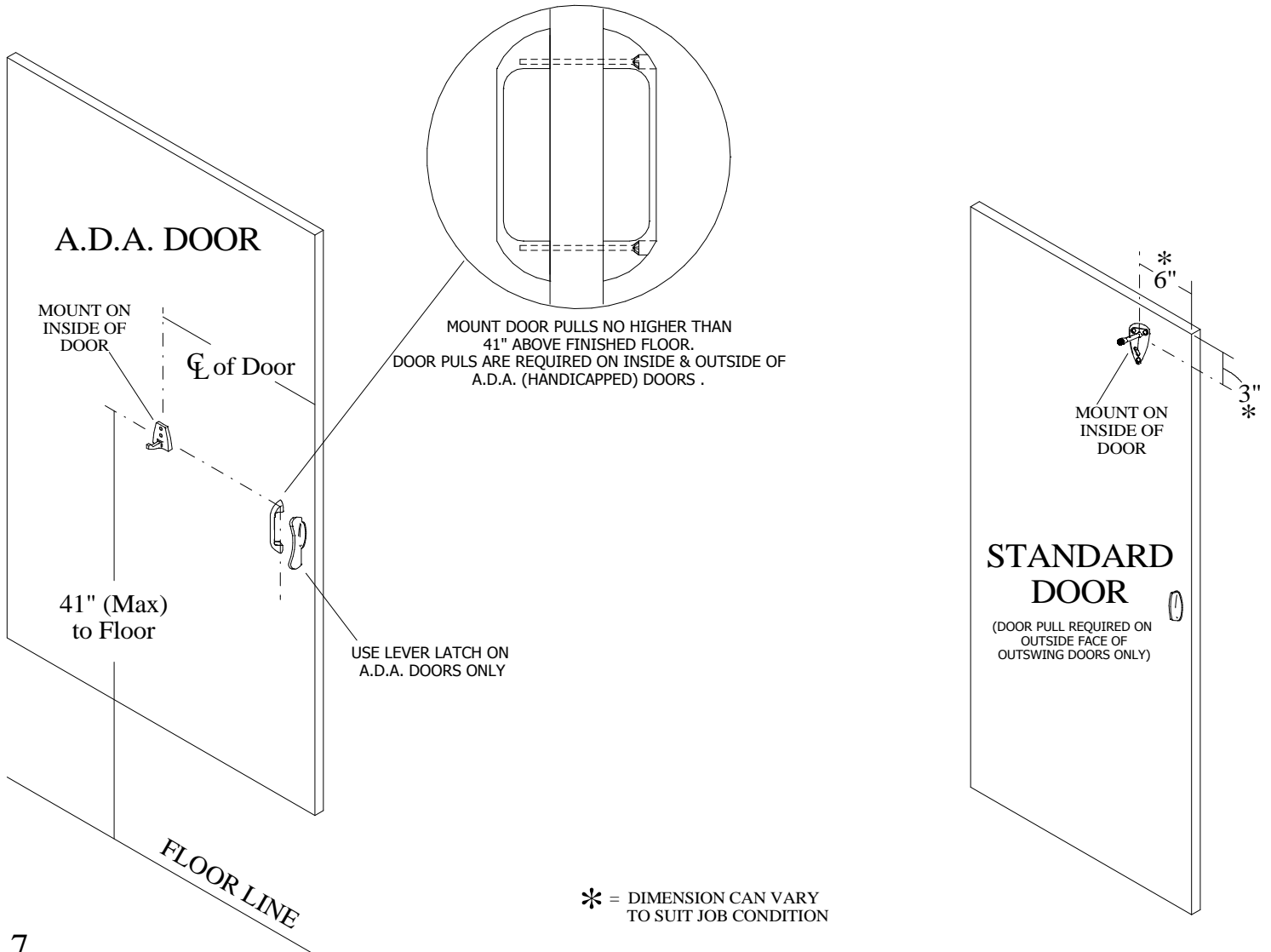


# LATCH DETAIL



# DOOR PULL & COAT HOOK INSTALLATION

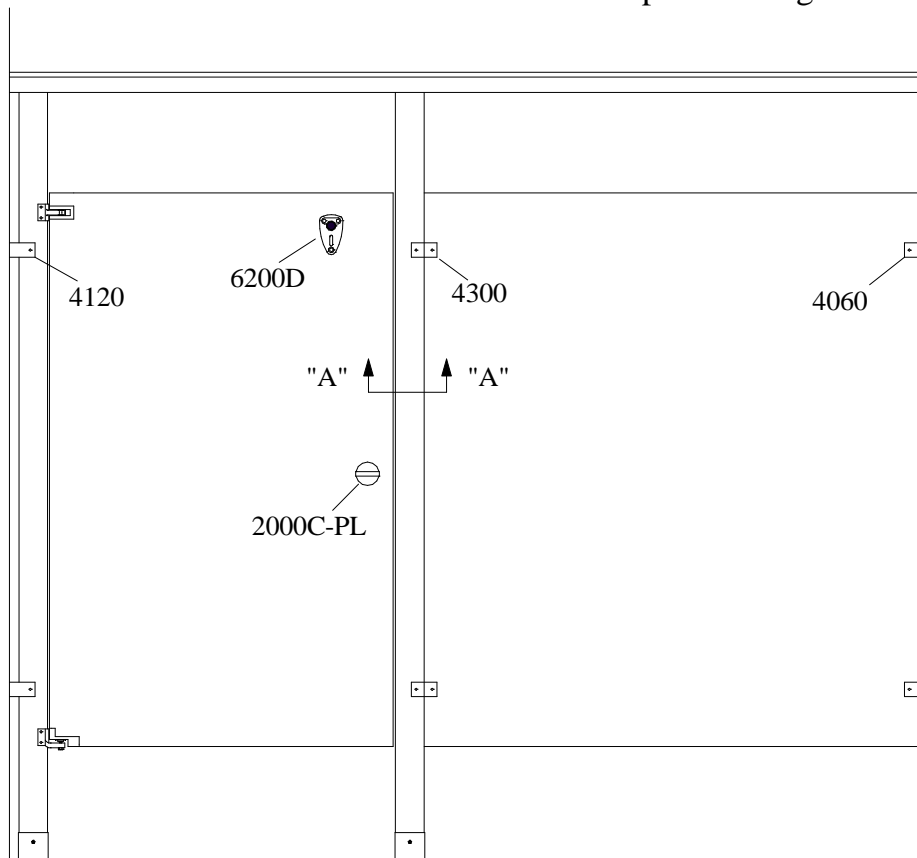
DOOR PULL DETAIL



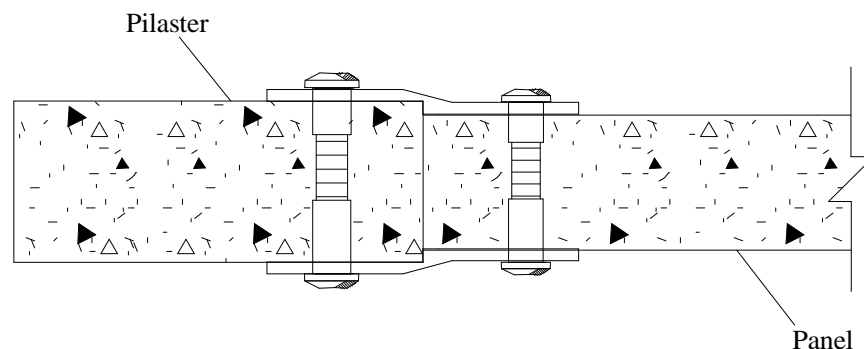
# ALCOVE INSTALLATION

## SERIES 40-4

- A. Establish center line from back wall and mark location on the floor of the center pilaster, referring to chart on page 1 for center to center distance of floor anchors. mark and drill 1/4" holes
- B. Establish and mark the center line of all top and bottom wall brackets (if possible locate in mortar joints).
- C. Using brackets as a template mark and drill 1/4" holes for wall brackets.
- D. Insert plastic anchors into all holes, and secure wall brackets With #12 x 2" torx screw.
- E. Secure floor plate to floor with #12 x 2" torx screw, 1/4" washer and anchor plugs.
- F. Place a support under the panel while setting it into the wall brackets. (Do Not Fasten)
- G. Slide the stainless steel shoe on the pilaster and place it on the floor plate.
- H. Attach center pilaster to the panel with (3) sets of the following; (2) alcove offset brackets, (1) pilaster sex bolt, and (1) panel sex bolt
- I. Level and secure panel to wall brackets with #14 x 1/2" torx screws.
- J. Fasten pilaster to floor plate with #14 x 1/2" torx screws through prepunched holes in shoe. Locate screws on back of pilaster.
- K. Position wall pilaster, plumb and secure being sure to keep required door opening. (See shop drawings)
- L. See step #5 to hang doors.



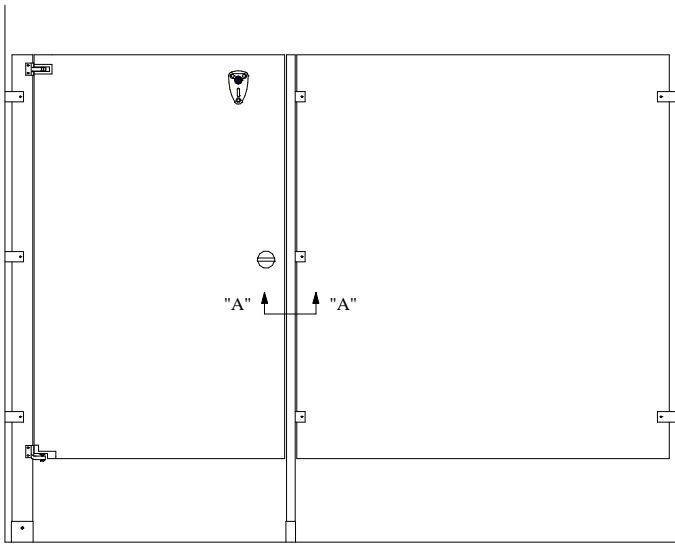
Section A - A



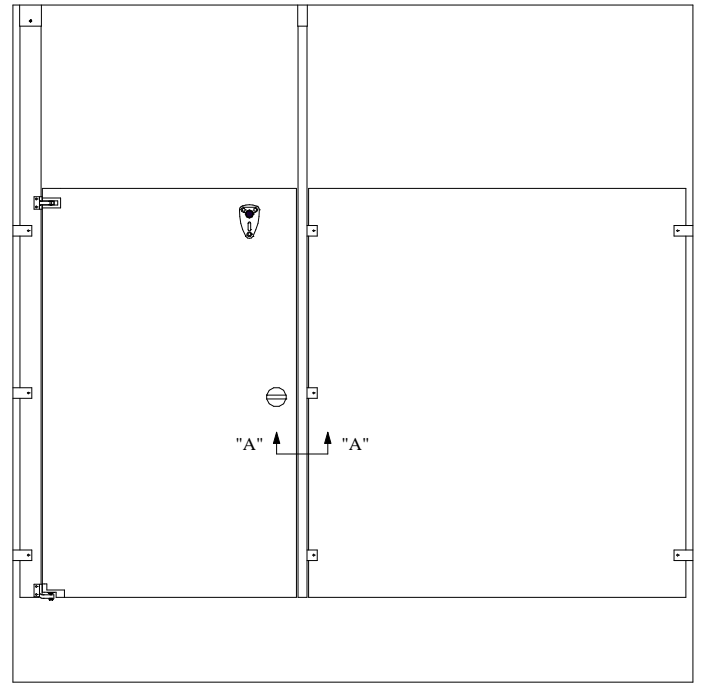
# ALCOVE INSTALLATION

## SERIES 30 and 50

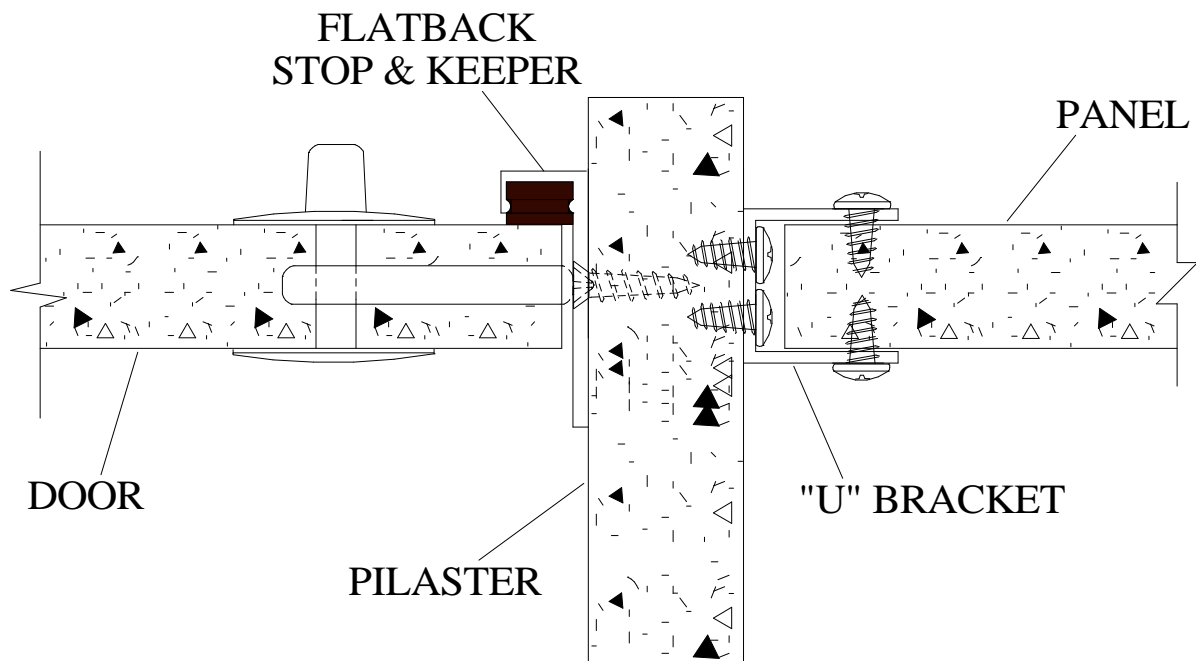
In Series 30 and 50 alcoves the center pilaster is installed perpendicular to the panel to gain maximum strength. The installation is basically the same procedure as installing a standard series 30 or 50 toilet compartment. Please refer to the beginning of the text for step by step instructions. This type of alcove utilizes a flat strike and keeper due to its configuration.



Series 30



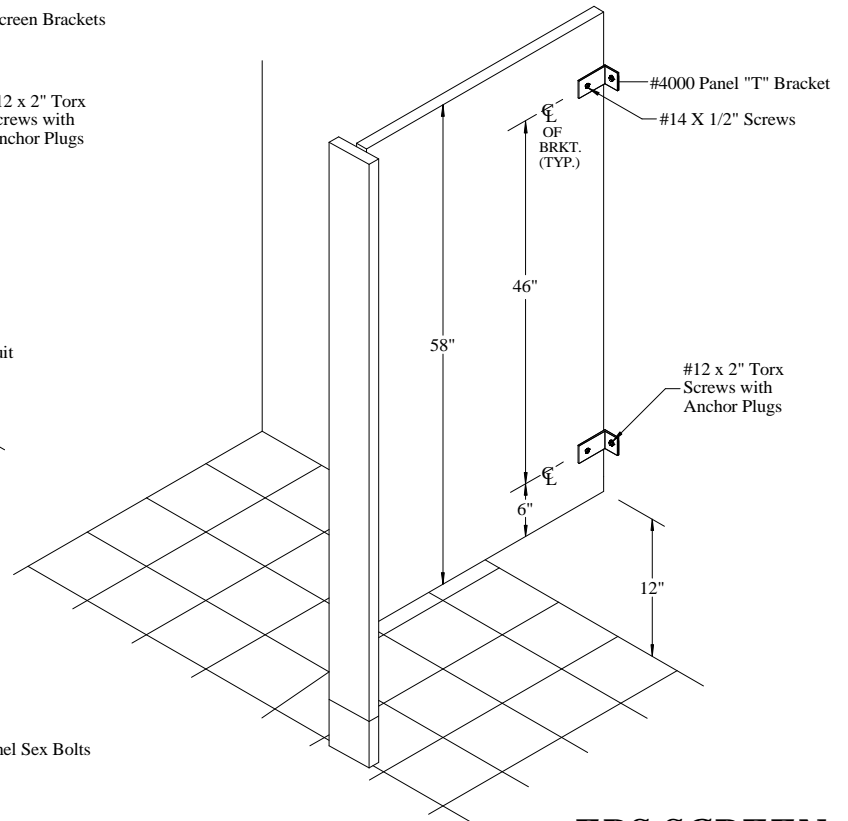
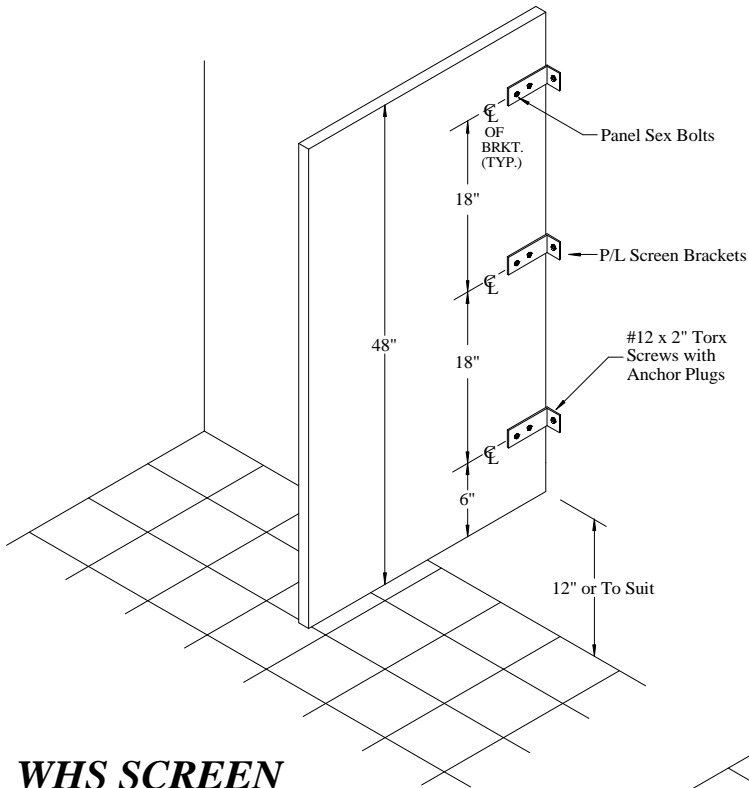
Series 50



SECTION A - A

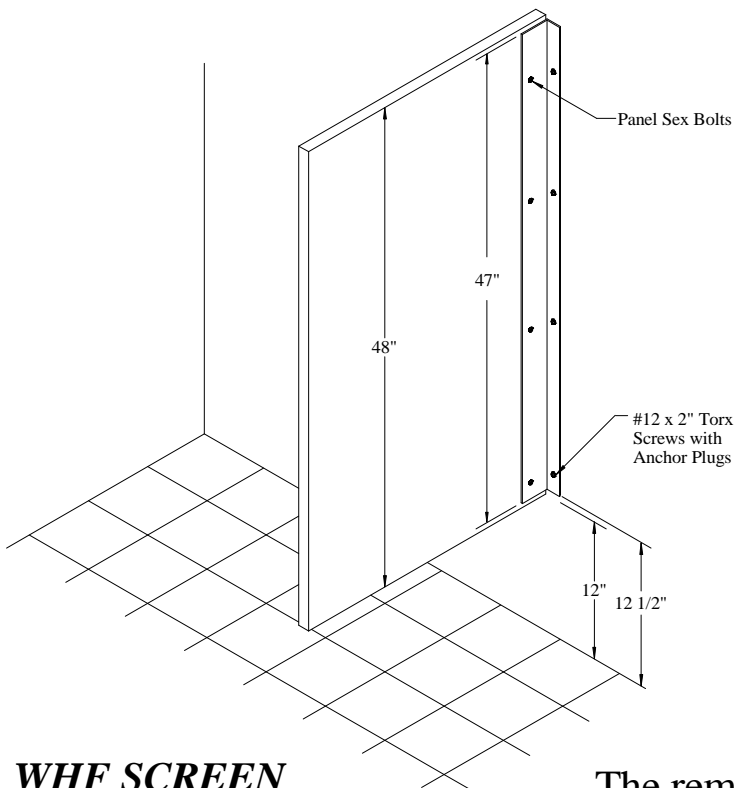
# URINAL SCREEN

General Partitions manufactures several different styles of urinal screens for all types of applications. The most common model is the WHS-4 or the wall hung screen.



## WHS SCREEN

## FBS SCREEN

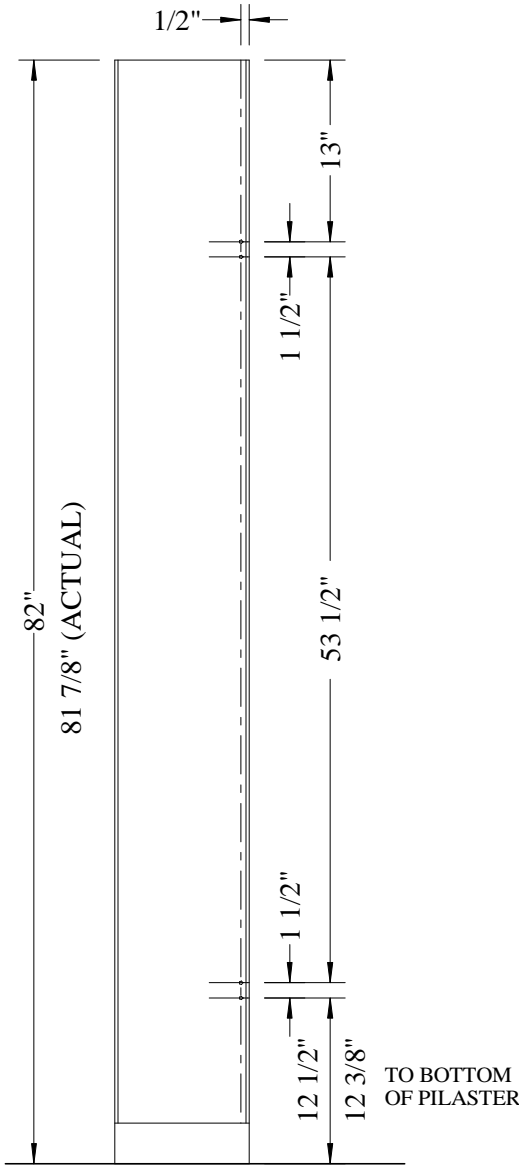


## WHF SCREEN

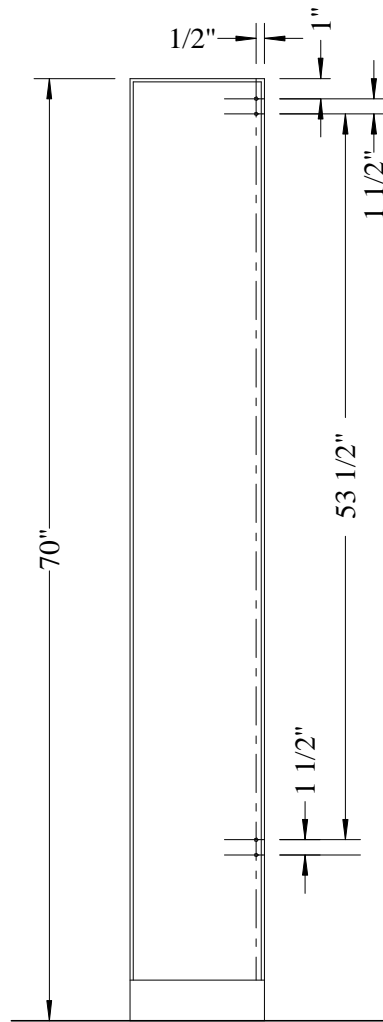
The remainder of the screens are basically installed in a similar manner to the toilet partitions

# PILASTER DRILLING LOCATIONS FOR DOOR HINGES

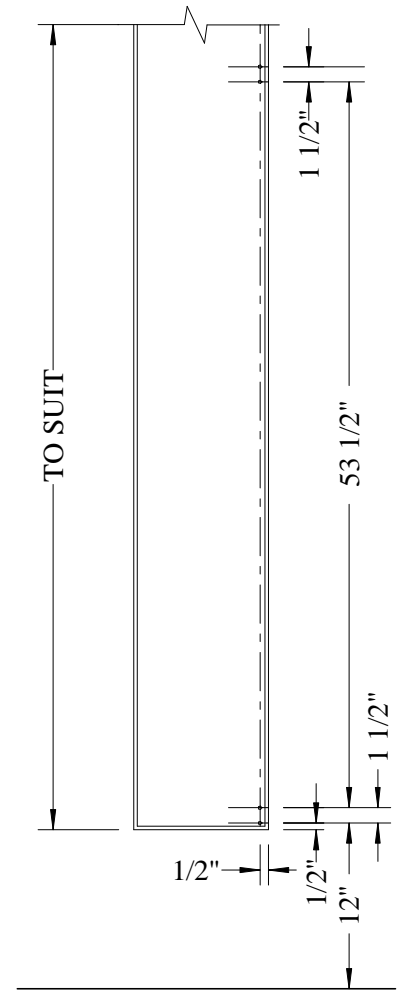
In most cases the pilasters will already be predrilled. There will be instances when the pilasters will be supplied undrilled.



SERIES 40-4



SERIES 30-4



SERIES 50-4

17/64" DRILL / 4 HOLES TYP.