

DESCRIPTION

HIGH DENSITY STORAGE SYSTEM

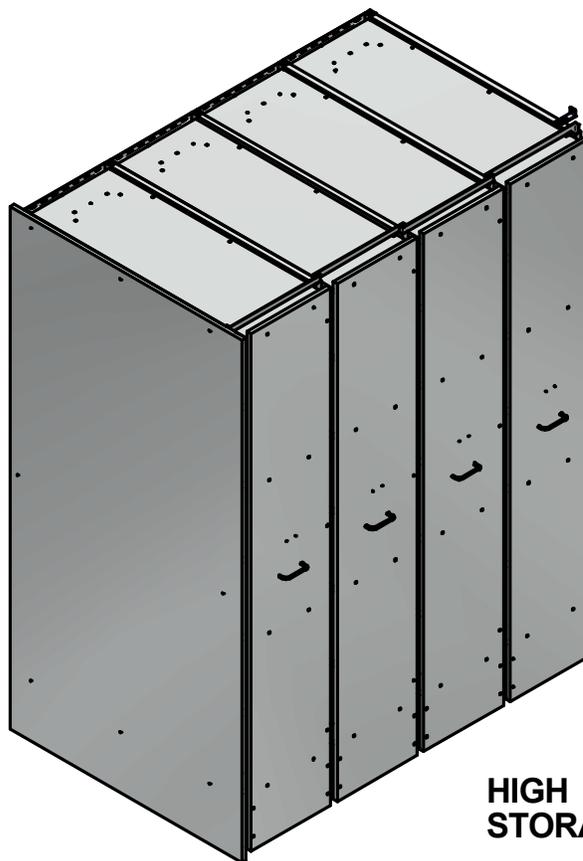
NO.

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BEFORE YOU BEGIN:

- Read the complete assembly procedure before you start to assemble the high density system. In particular, read the "IMPORTANT PRECAUTIONS" on page 3 CAREFULLY.
- Open one shipping carton at a time. Remove all items from carton, and lay them out approximately in their final position.
- Fasteners and additional parts may be packaged separately. Wall or floor mounting fasteners are not included.



**HIGH DENSITY
 STORAGE SYSTEM**

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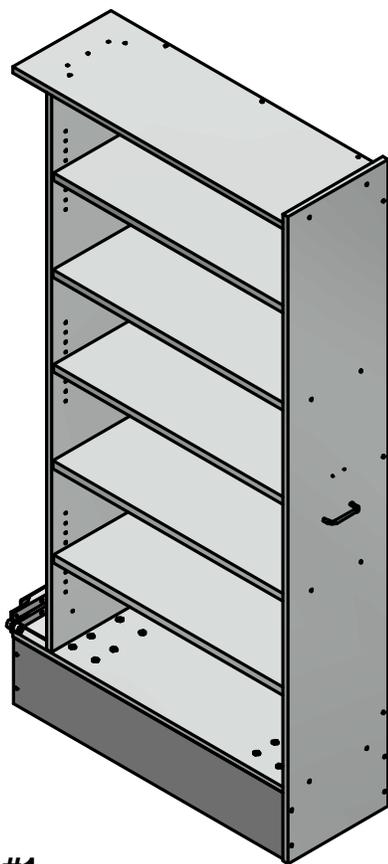
HIGH DENSITY STORAGE SYSTEM

NO.

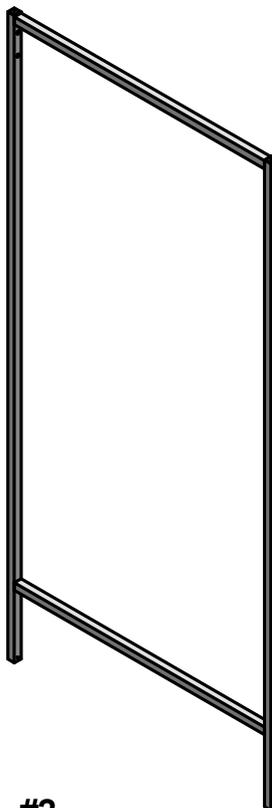
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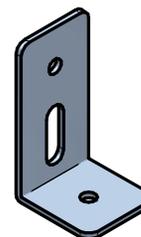
PARTS LIST: UNIT ASSEMBLY



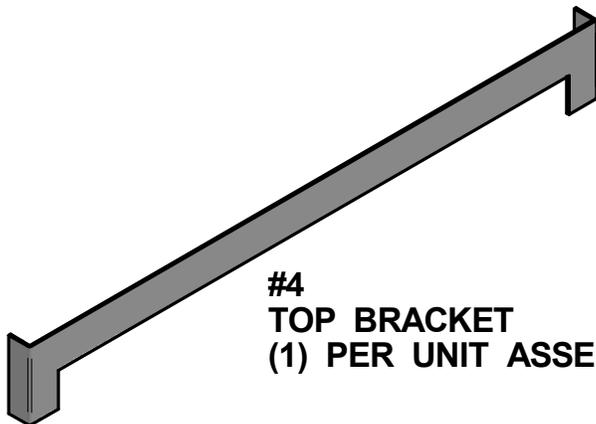
#1
 UNIT ASSEMBLY



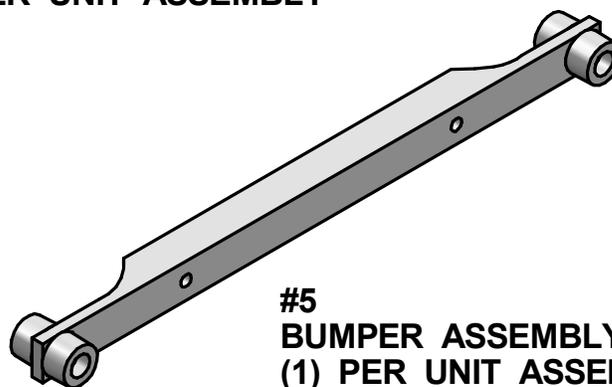
#2
 FRAME
 (1) PER UNIT ASSEMBLY



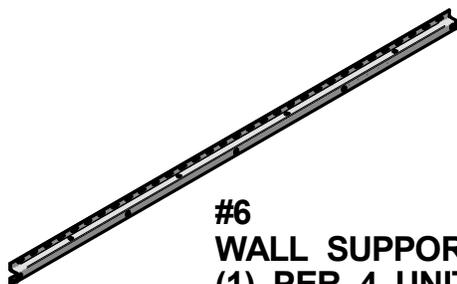
#3
 FLOOR BRACKET
 (2) PER UNIT ASSEMBLY



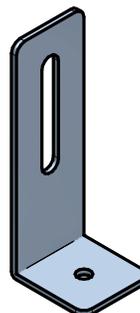
#4
 TOP BRACKET
 (1) PER UNIT ASSEMBLY



#5
 BUMPER ASSEMBLY
 (1) PER UNIT ASSEMBLY



#6
 WALL SUPPORT
 (1) PER 4 UNIT ASSEMBLY



#7
 WALL BRACKET
 (1) PER 4 UNIT ASSEMBLY

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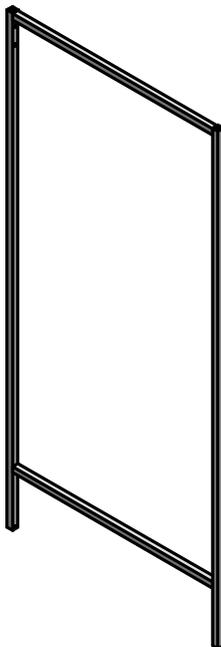
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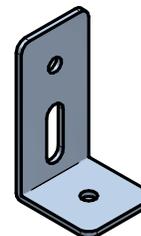
PARTS LIST: END CAP



#1
 END CAP
 (OPTIONAL)
 (1) PER END ASSEMBLY



#2
 FRAME
 (1) PER END ASSEMBLY



#3
 FLOOR BRACKET
 (2) PER END ASSEMBLY

IMPORTANT PRECAUTIONS:

- This system should be installed only by skilled technical persons, and only after carefully studying these instructions.
 - These instructions assume that you will install the system next to a side wall (either side). This is the preferred method.
- If there won't be a wall on either side, you must (for safety) install a minimum of four shelving units in a row. Ignore step 8, but follow the remaining instructions.
- The installation site must be level - no more than 1/4" variation in a 6' distance (in both directions).
 - Do not install over carpeted floors that have a foam padding underneath (because the shelving unit will be too hard to roll).
 - The framework must be properly anchored to a rear wall and to the floor (according to the instructions in this manual).
 - For smooth operation, the framework must be assembled square with the rear wall and must be plumb. Recheck carefully before securing the unit to the rear wall and floor.



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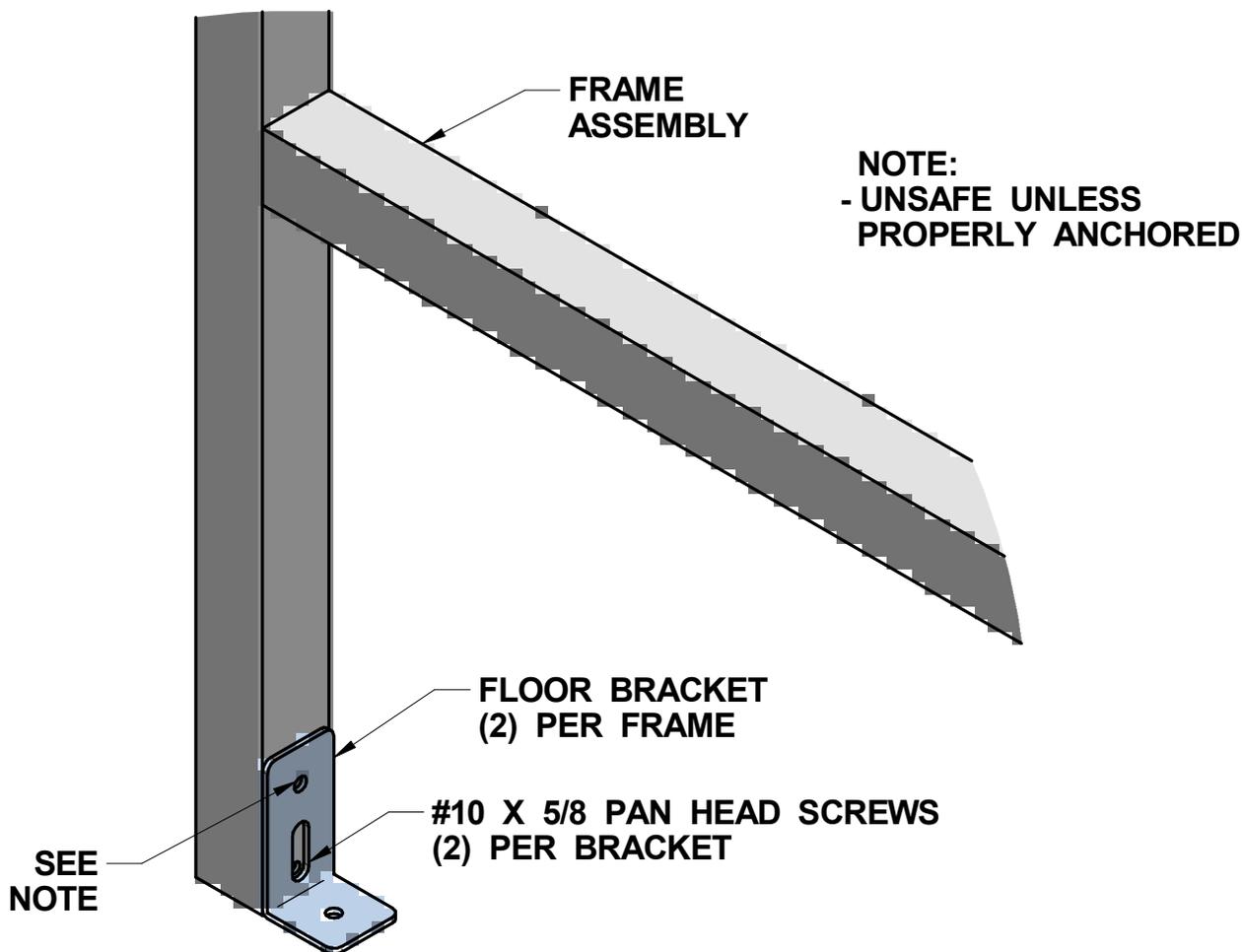
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ASSEMBLY OF GUIDE FRAMES



1. Attach (2) floor brackets to frame in predrilled holes using (2) 10 X 5/8 pan head screws through slot as shown.

NOTE:

- Drill remaining hole after plumbing and leveling system and use 10 X 5/8 pan head screws to lock in position. (See step 13).

ASSEMBLY OF SYSTEM

1. Determine where high density storage system will be installed.
2. Determine the construction of the floor and walls.

NOTE:

- Use appropriate wall / floor fasteners for safe anchoring. (Note: Fasteners not included).
- Have suitable tools before you start to assemble.

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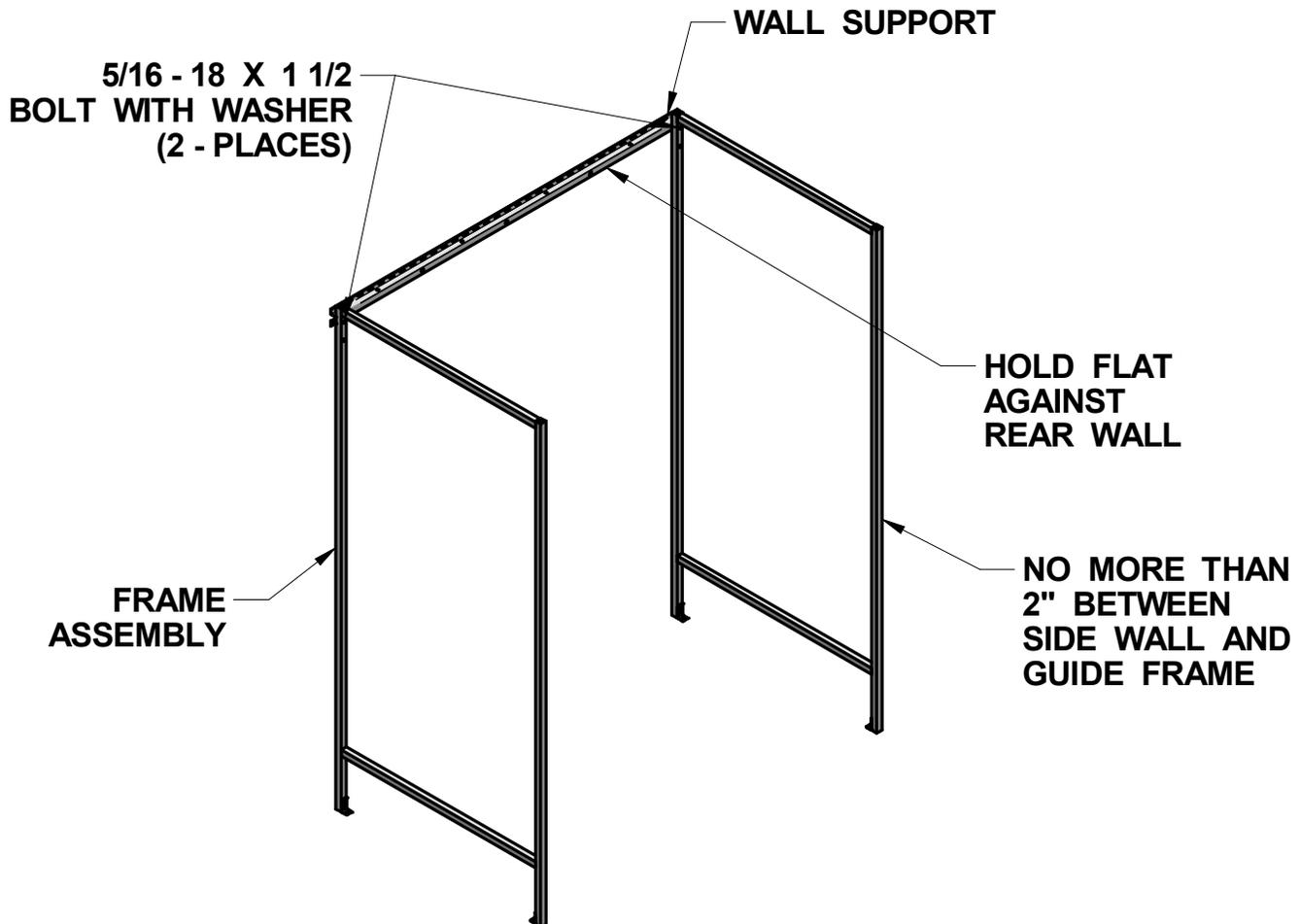
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ASSEMBLY OF SYSTEM



3. Position two guide frames and attach them loosely to end of a wall support as shown.

NOTE:

- If less than four units will be installed cut off excess wall support channel.
- Guide frames will be installed 16" apart along wall support.

4. Position the framework at desired location with the wall support flat against rear wall.

NOTE:

- Guide frame should be no more than 2" from side wall as shown.

5. Plumb and square unit assembly.

NOTE:

- Position flat against rear wall and no more than 2" from side wall.

6. Attach wall support to rear wall using appropriate fasteners (not included).

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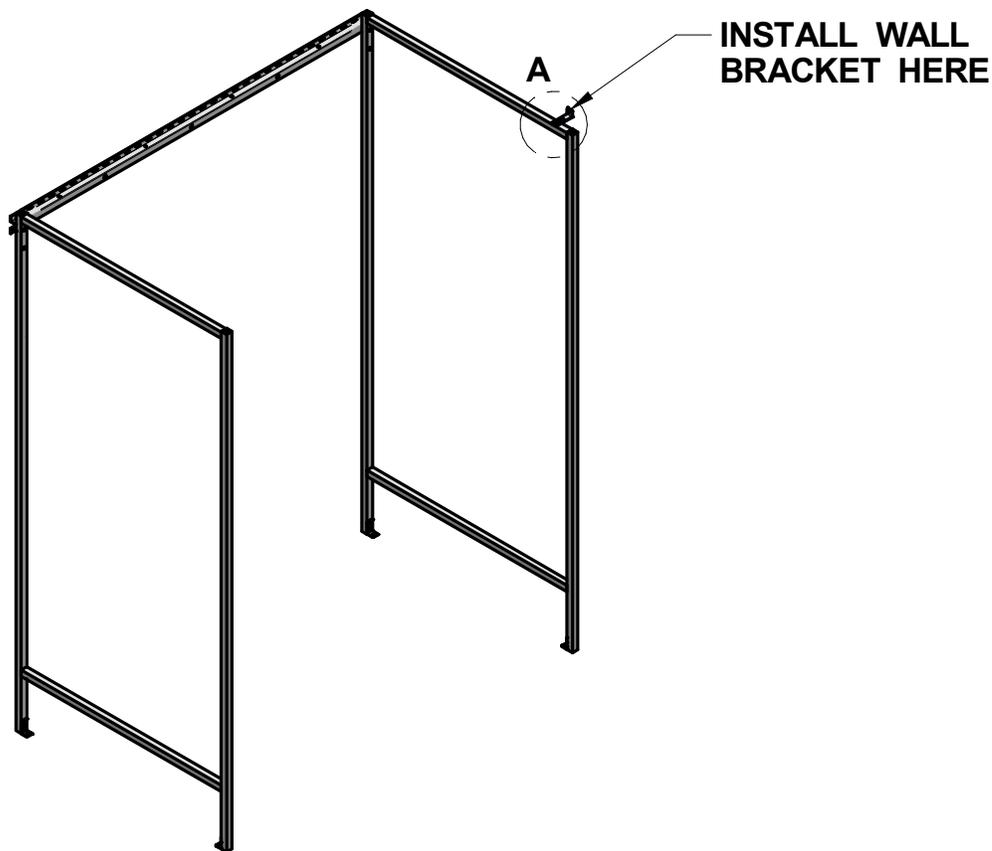
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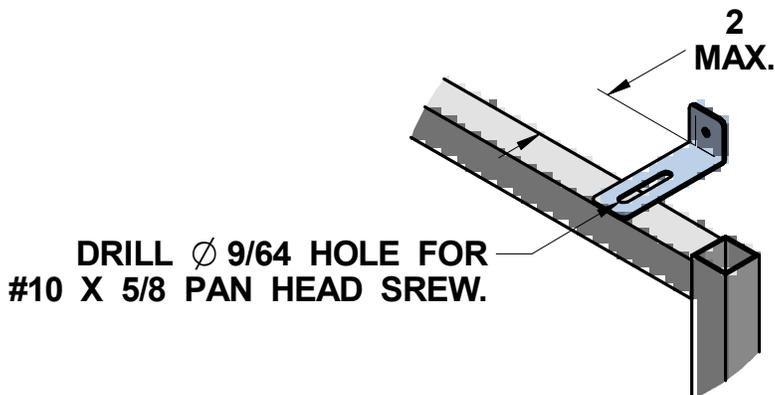
ASSEMBLY OF SYSTEM



7. Attach guide frame to floor with the appropriate fasteners. (1) per bracket. (Fasteners not included).
8. Attach the front end of the first guide frame to the side wall (keep the guide frame square and plumb).

NOTE:

- Attach bracket to wall first then drill 9/64 dia. hole in guide frame for #10 X 5/8 pan head screw.



DETAIL A

DESCRIPTION

HIGH DENSITY STORAGE SYSTEM

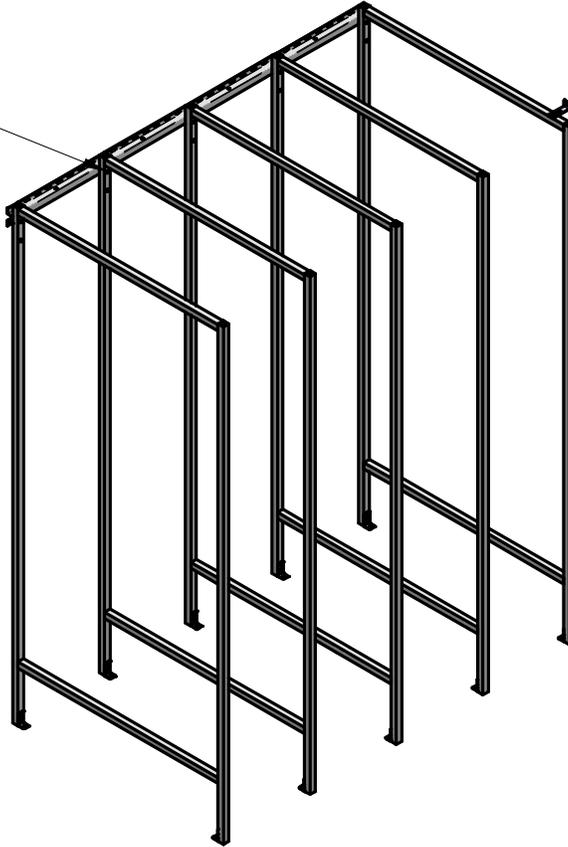
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ASSEMBLY OF SYSTEM

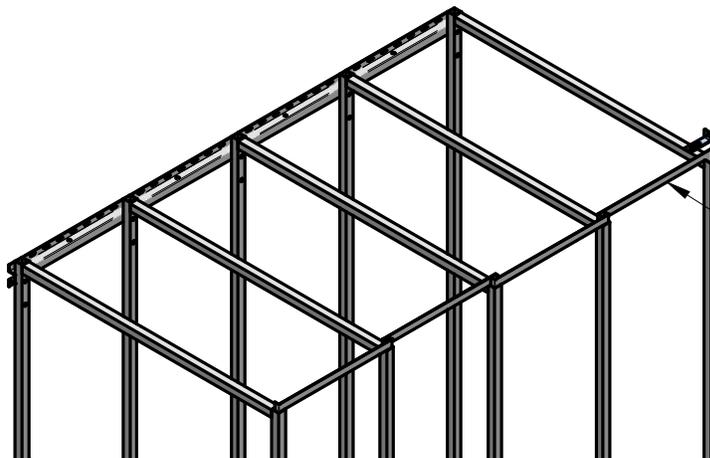
5/16 - 18 X 1 1/2
 BOLT & WASHER
 (3 - PLACES)



9. Attach the remaining three guide frames to wall channel.

NOTE:

- You may find it more convenient to do one frame at a time.



TOP BRACKET
 (4 - REQ'D.)

10. Insert top bracket into the top of the front post.

NOTE:

- Alternate the bars to face in opposite directions.

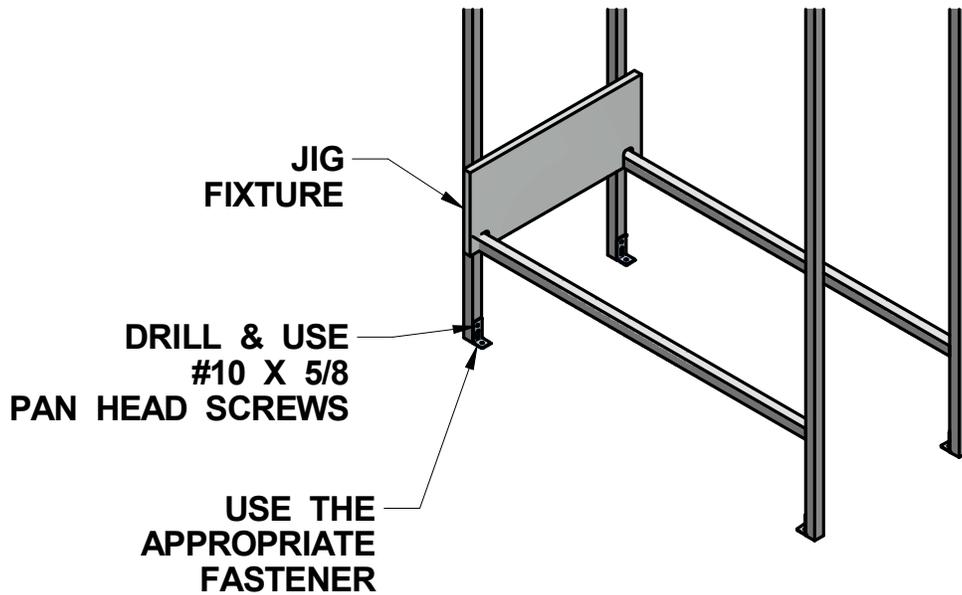
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11. Attach the rear post to the floor using appropriate fasteners.

NOTE:

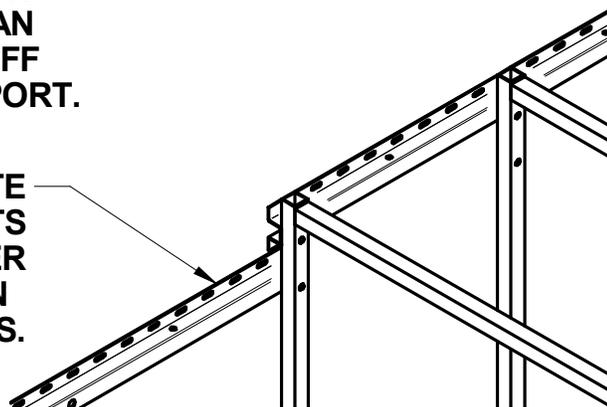
- Use special jig fixture, and be sure the post is plumb front to back.

12. Again using the jig fixture, attach the front post to floor in the same way.

13. Drill remaining hole in floor bracket and use #10 X 5/8 pan head screw to lock frames in position.

IF THE LAST SECTION
 CONTAINS LESS THAN
 FOUR UNITS, CUT OFF
 EXCESS WALL SUPPORT.

ATTACH ALTERNATE
 WALL SUPPORTS
 THROUGH LOWER
 HOLES IN
 GUIDE FRAMES.



14. Install additional wall support and guide frames in same way if more than four units are being installed.

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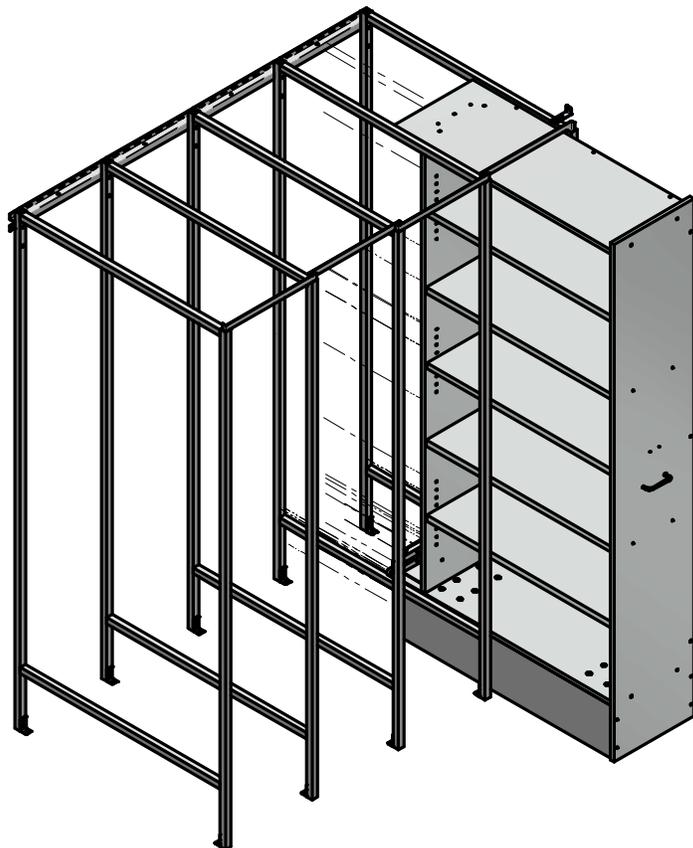
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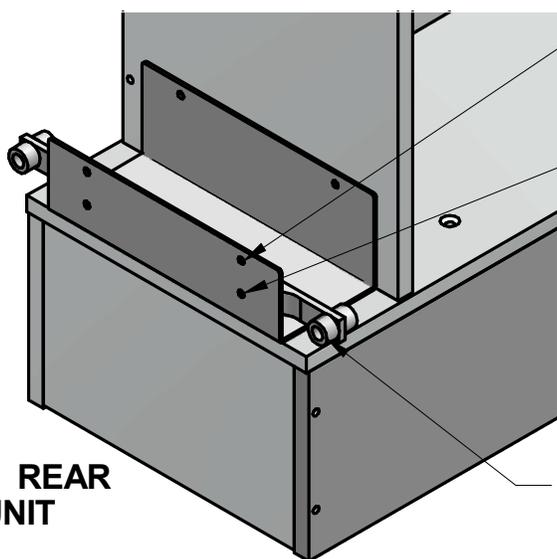
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ASSEMBLY OF SYSTEM



UNIT
 ASSEMBLY

15. Roll the first unit assembly into position between the guide frames. Be sure it can be freely moved in and out.



ALTERNATE BUMPER HEIGHT
 ON ADJACENT UNITS TO
 TOP HOLES

1/4 - 20 X 1 1/2
 BOLT & LOCK NUT
 (2 - REQ'D.)

BOTTOM OF REAR
 SHELVING UNIT

NOTE:
 BUMPER IS OFFSET
 TOWARD FRONT OF UNIT.

16. Pull unit assembly partway out, and install the bumper bar. Alternate bumper on next unit assembly to upper holes as shown.

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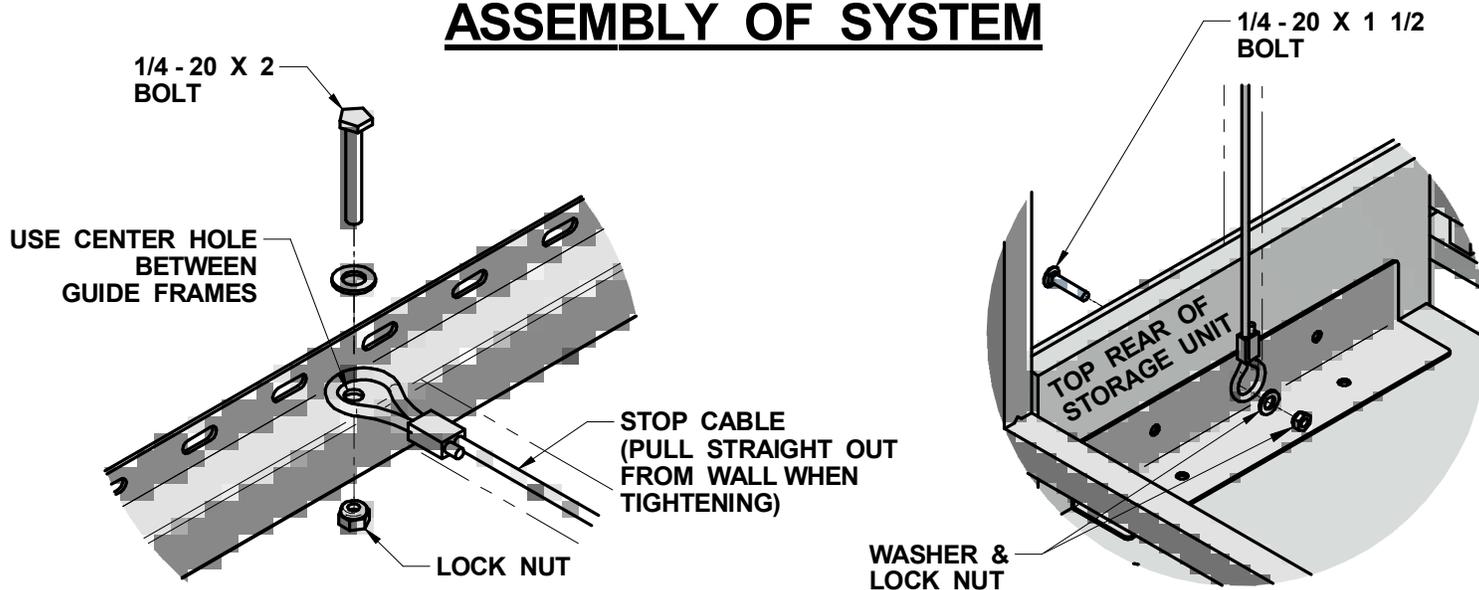
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ASSEMBLY OF SYSTEM



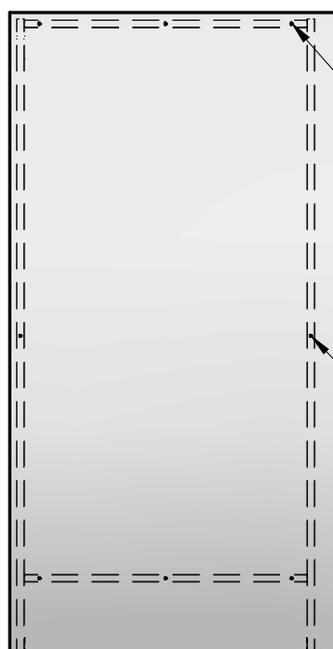
17. Attach a unit movement stop cable to the wall channel.

18. Attach other end of movement stop cable to storage unit.

19. Roll unit in and out. Be sure it is stopped by the bumpers and stop cable at about the same time.

20. Install the remaining shelving units by repeating these steps.

**KEEP THE PANEL TIGHT TO THE REAR WALL.
 NOTCH IT IF NECESSARY TO AVOID OBSTRUCTIONS.**



1. DRILL (6) ϕ 9/64 HOLES INTO GUIDE FRAME, USING PANEL HOLES AS GUIDES (HERE AND AT BOTTOM).

2. DRILL (2) HOLES CENTERED ON THE FRONT AND REAR POSTS.

3. ATTACH PANEL WITH #10 X 1 1/2 TRUSS HEAD SCREWS (8 - REQ'D.)

21. Install the end cover panel on the final guide frame.