

GENERAL NOTES:

- When lockers are set in place, care must be taken to assure lockers are set plumb and true before anchoring.
- Lockers are not designed as free-standing structures. Lockers must be anchored securely to walls and/or floors with fasteners. Individual job conditions will dictate both the type of fasteners and whether the lockers must be anchored to the wall, the floor, or both. **WARNING: FAILURE TO PROPERLY ANCHOR LOCKERS COULD CAUSE THEM TO TOPPLE.**
- Adjust all doors to operate freely if required. See adjusting instructions below.
- If built-in locks are installed, make certain locks operate properly before closing doors.
- If built-in locks are NOT used, attach the proper escutcheon plates (furnished) with standard locker bolts and nuts.

ADJUSTING INSTRUCTIONS

Due to the shipping and handling of lockers plus uneven base or floor conditions on job, some lockers may require some adjustment after anchoring in place.

- ① Check for clearance of frame hooks - with handle raised, close the door to determine if frame hooks clear openings in door - bend hooks to clear if required.

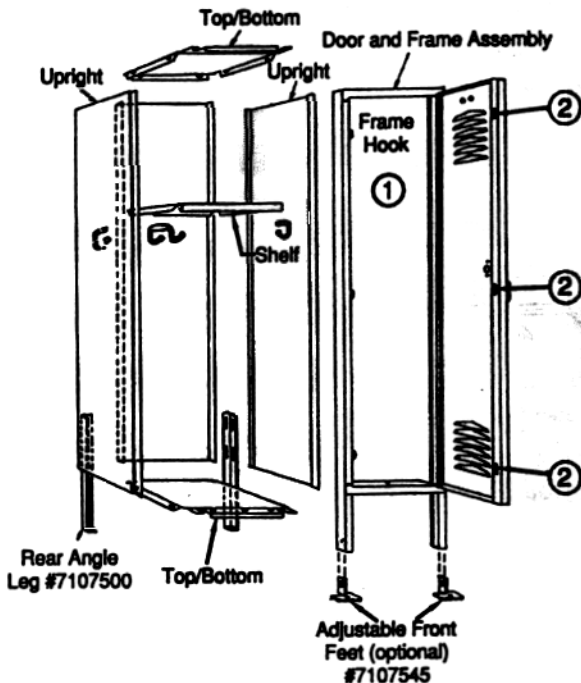
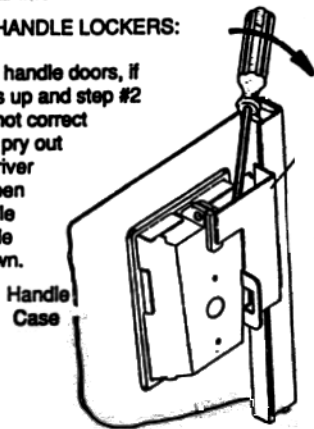


- ② Handle must raise and lower freely - with door open, lift handle and let drop - if handle hangs up, rap the formed edge of door in the vicinity of the latches with a rawhide hammer as shown in detail on left and in exploded view.

- ③ Gap between door and the frame must be uniform for proper operation of door. If door rubs the frame, place a pry bar between the door and frame and pry door up or down to gain greater gap. To gain a larger gap at the side of door, open door and hit knuckle of hinge/ hinges with hammer.

RECESSED HANDLE LOCKERS:

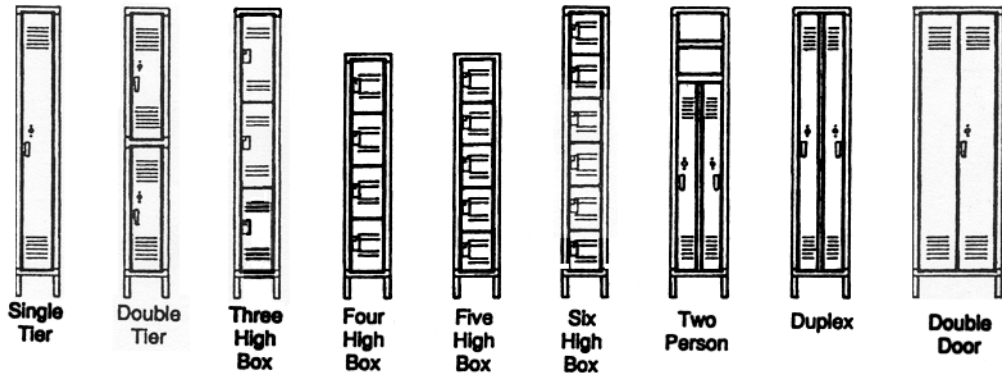
On recessed handle doors, if handle hangs up and step #2 above does not correct the problem, pry out with screw driver placed between back of handle case and slide plate as shown.



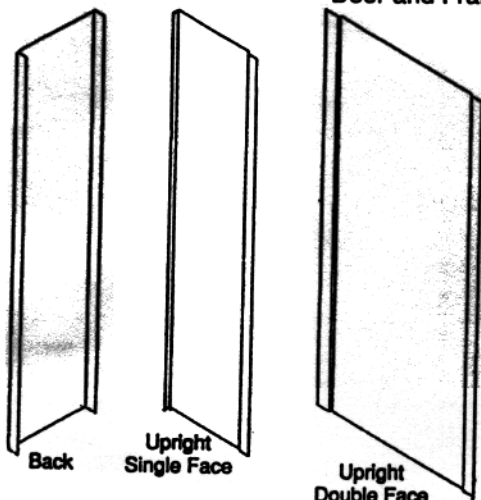
Exploded View of Standard Single Tier Locker

Instructions

REPUBLIC
STORAGE SYSTEMS COMPANY
1038 BELDEN AVE. NE • CANTON, OH 44705
800.477.1255 FAX 330.454.7772



Door and Frame Assemblies



Single Prong
Wall Hook
#701631



Double Prong
Back Hook
#701619



Coat Rod
Wall Hook &
Rod Bracket
#701632



Coat Rod
Bracket
#7107566



Box Locker
Escutcheon Plate
#7134872



Escutcheon
Plate
#7105920

Note: To ensure proper tightening of locker bolts, the max. assembly torque must be 21 in.-lbs. (1.75 ft.-lbs.)



#10-24 x 3/8 Slotless Fin
Hd. Mach. Screw #702343
Hex Nut #702550



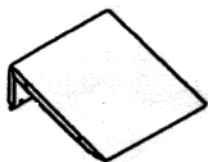
#10-24 x 1/2 Slotted Round
Hd. Mach. Screw #702426
Hex Nut #702550



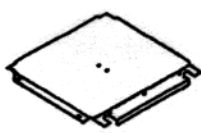
Break Stem Blind (Pop) Rivet #702786



Number Plate #700405



Individual Slope Top



Top/Bottom



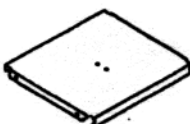
Two Person & Duplex
Top/Bottom



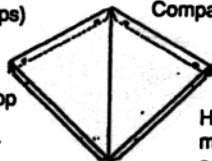
Two Person
Divider - Upper



Two Person
Divider - Lower



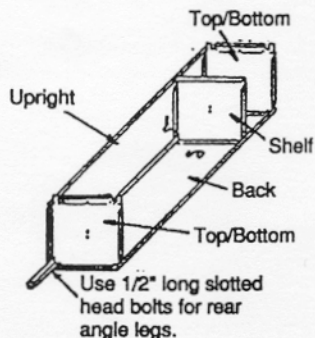
Shelf & Box Locker
Compartment Divider



Slope Top
Mitred
Corner

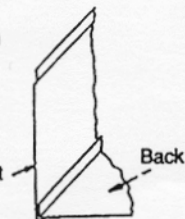
Holes for sheet
metal screws from
adjacent slope top

ASSEMBLY OF SINGLE ROW LOCKERS

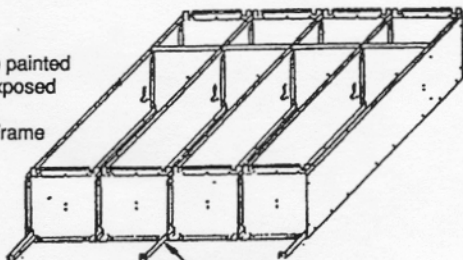


Step ①

- Start on left end - run nuts only finger tight until Step 3.



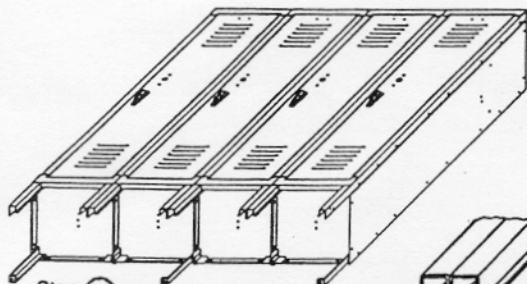
Note - Back fits "inside" upright



Step ②

- Add as many body part as required to make desired group.

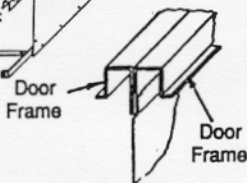
Angle legs are required at every other upright on 9", 12", & 15" wide units - every upright on wider units.



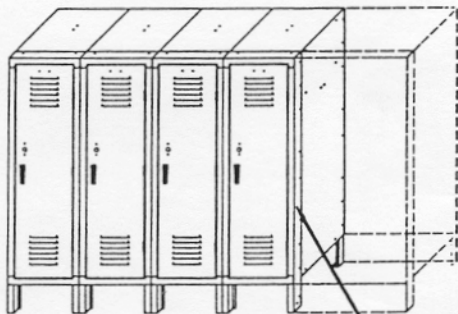
Step ③

- Add Door & Frame Assemblies.
- Square up group and tighten all bolts.

Note:
To ensure proper tightening of locker bolts, the max. assembly torque must be 21 in-lbs. (1.75 ft-lbs.)



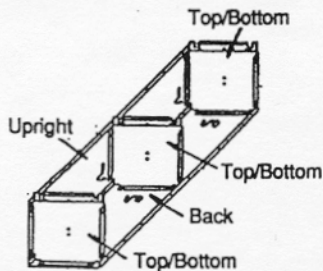
Upright fits "inside" door frame - never between frames.



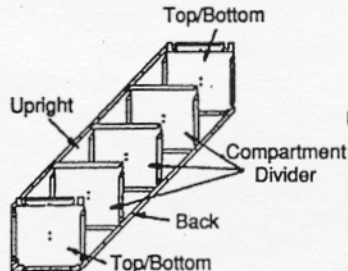
Step ④

- Stand group in place and anchor securely to wall and/or floor with suitable fasteners.

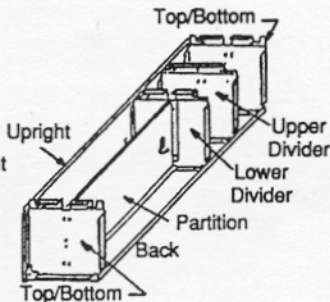
Note - omit bolts in end frame if another group is required - bolt groups together through these holes.



Double Tier

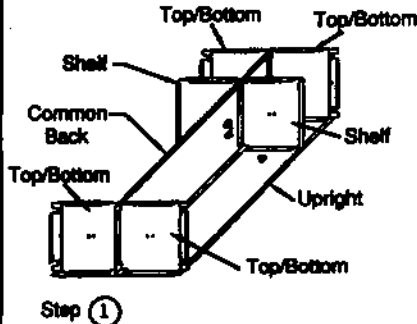


Box Locker

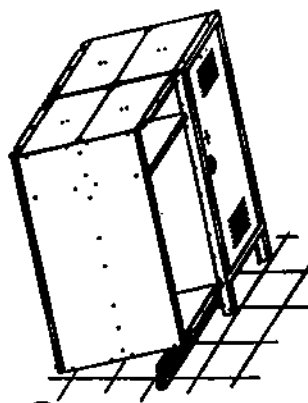


Two Person Locker

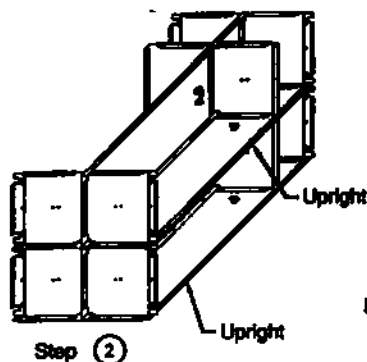
ASSEMBLY OF DOUBLE ROW LOCKERS



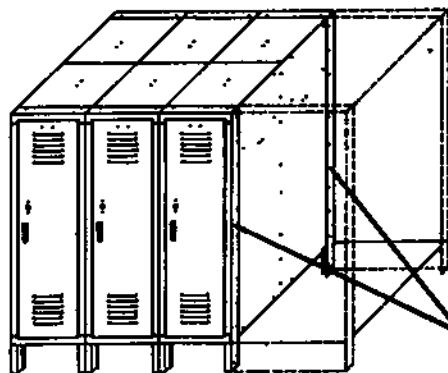
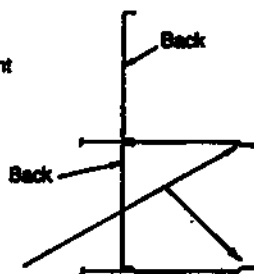
- Place upright across horses first, with flanges turned up - run nuts only finger tight until a complete group is built and squared up.



- Stand group upright and tilt back and block up for attachment of Door and Frame Assemblies.
- Attach Door and Frame Assemblies.



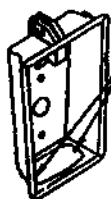
- Second upright to have flanges turned towards first upright -
- Continue to add body parts until desired number of openings are obtained in group.
- Square up group and tighten bolts.



- Set lockers in place and anchor to floor with suitable fasteners.

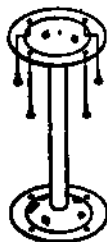
Note - omit bolts in end frame if another group is required - bolt groups together through these holes.

OPTIONAL EQUIPMENT: Recessed Handle



Use pop rivet #702786 to secure number plates. (Note - if number plates are not required, the pop rivets must still be installed in the holes provided)

Bench Pedestal #7107529



1/4" X 1" Lag Screws #703590 for attaching to bench tops.

Suitable floor anchors to be furnished by others.

LOCKER ANCHORING RECOMMENDATIONS

**SAFETY
WARNING**

FAILURE TO PROPERLY ANCHOR LOCKERS COULD CAUSE THEM TO TOPPLE OVER AND RESULT IN SEVERE PERSONAL INJURY.

Lockers must be anchored to walls and/or floors using appropriate fasteners to suit wall and floor materials. See Page 4 for chart of suggested fasteners with corresponding holding power.

The recommendations on Pages 1, 2 and 3 of this brochure are intended as recommendations only and not as warranties. Actual instructions depend on wall and floor materials, installation techniques and other variables. If assistance is needed, please call Republic Storage Systems Company, Inc. (also referred to hereinafter as "Republic" and as "Republic Storage Systems") in Canton, Ohio at (216) 438-5800 and every effort will be made to assist in designing a safe installation.

REPUBLIC STORAGE SYSTEMS COMPANY, INC. SPECIFICALLY DISCLAIMS ALL WARRANTIES, EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE CONCERNING THE RECOMMENDATIONS SET FORTH IN THIS BROCHURE.

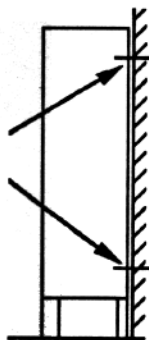
SINGLE ROW LOCKERS

Use an anchor with at least 150 lb. pull-out value.

If wall material or fastener will not allow this value, use enough fasteners to achieve this value within the 36" (maximum) horizontal spacing.

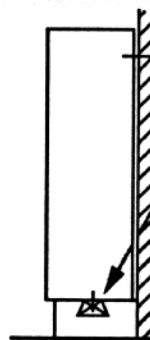
WITH LEGS AGAINST WALL

Anchor to wall near top and bottom of locker at each end of row of lockers plus every 36" (maximum) along the length of the row.



ON BASE AGAINST WALL

Anchor to wall near top of locker and to base at each end of row of lockers plus every 36" (maximum) along the length of the row.

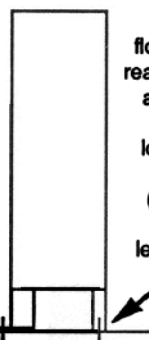


Use an anchor with at least 200 lb. pull-out value.

If floor/base material or fastener will not support this value, use additional fasteners to achieve this value within the 36" (maximum) horizontal spacing.

WITH LEGS EXPOSED BACKS

Anchor to floor through adjustable front feet at each end of row of lockers plus every 36" (maximum) along the length of the row.



Anchor to floor through rear angle leg at each end of row of lockers plus every 36" (maximum) along the length of the row.

ON BASE EXPOSED BACKS

Anchor to base in two places at each end of row of lockers plus every 24" (maximum) along the length of the row.



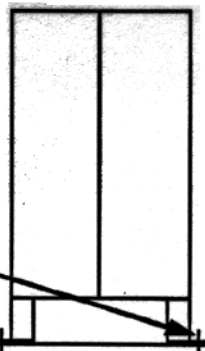
DOUBLE ROW LOCKERS

Use an anchor with at least 150 lb. pull-out value.

If floor/base material or fastener will not support this value, use additional fasteners to achieve this value within the 36" (maximum) spacing.

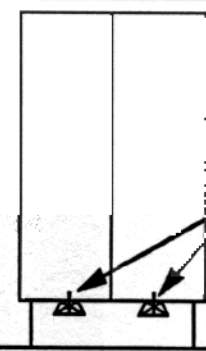
DOUBLE ROW WITH LEGS

Anchor to floor through adjustable front feet at each end of row of lockers plus every 36" (maximum) along the length of the row.

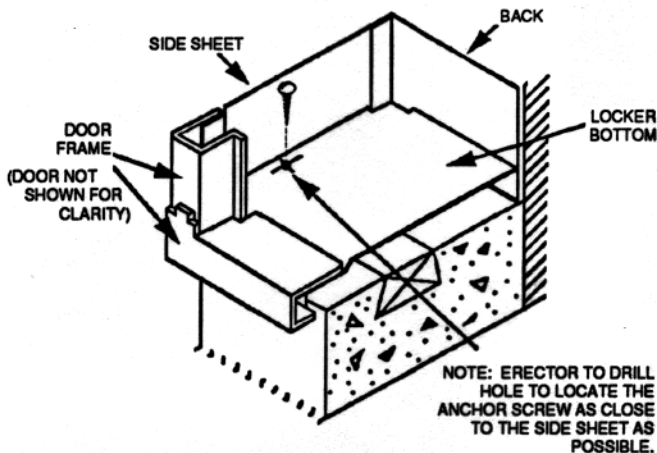


DOUBLE ROW ON BASE

Anchor to base at each end of row of lockers plus every 36" (maximum) along the length of the row.

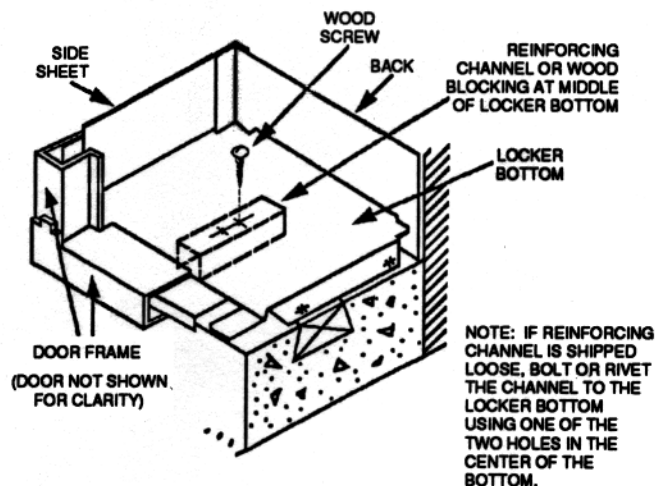


Note: Select anchors to meet recommended pull-out value from Column 5 of Table shown on Page 4.



CUT-AWAY DETAIL OF LOCKER BOTTOM

Showing Placement of Anchoring Screw when Bottom Reinforcement is not used.

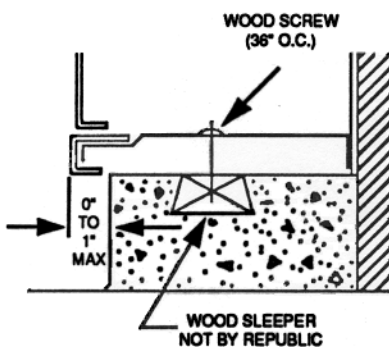


CUT-AWAY DETAIL OF LOCKER BOTTOM

Showing Bottom Reinforcing Channel or Wood Blocking, Anchoring Screw and Wood Sleeper.

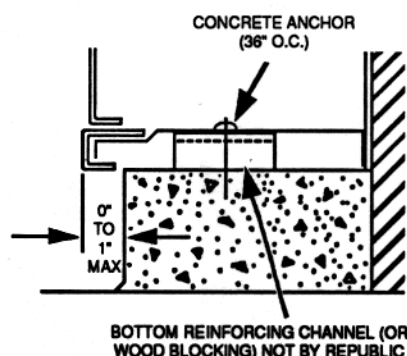
ANCHORING NOTES

- The minimum nominal size of wood sleepers is 2" x 4".
- The minimum pull-out value required for wood screws into sleepers or, concrete anchors into concrete, is 80 pounds provided lockers are **ALSO** anchored to wall.
- When lockers are **NOT** anchored to walls, the minimum pull-out value required for wood screws into sleepers or, concrete anchors into concrete, is 200 pounds.



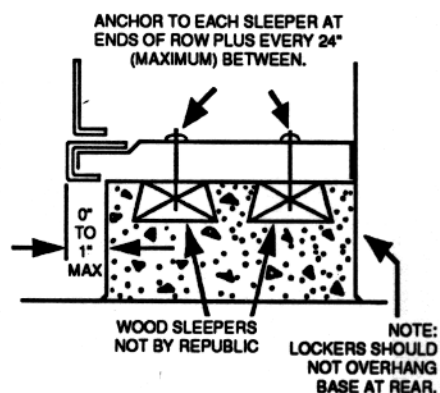
SUGGESTED BASE DETAIL

Concrete Base **WITH** Wood Sleepers and Lockers **ALSO** anchored to wall.



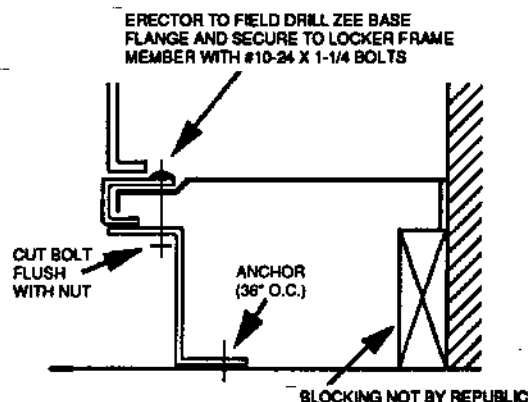
SUGGESTED ALTERNATE METHOD BASE DETAIL

Concrete Base **WITHOUT** Wood Sleepers and Lockers **ALSO** anchored to wall.

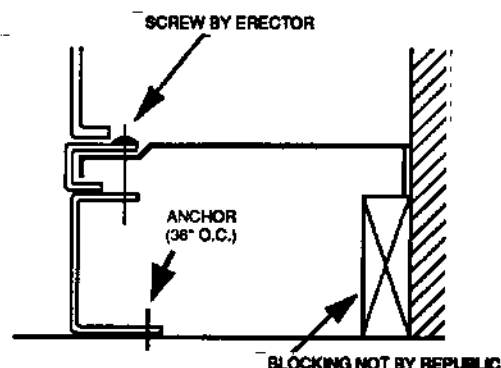


SUGGESTED BASE DETAIL (CONCRETE)

When Lockers are In Single Row Island Groups and anchoring to wall is not possible.



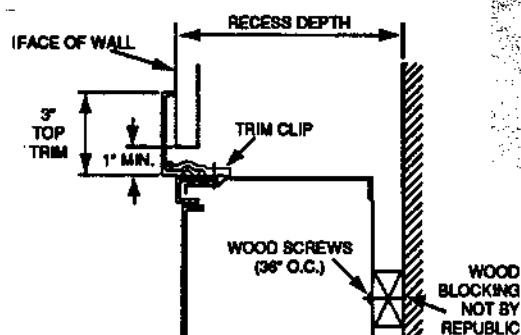
ZEE BASE DETAIL



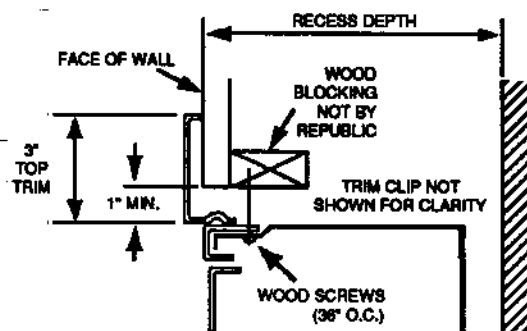
CHANNEL BASE DETAIL

RECESS ANCHORING DETAILS

Recessed Lockers must also be anchored to the base or floor as shown in details throughout this brochure.



SUGGESTED HEAD DETAIL
(Preferred Anchoring Method)



SUGGESTED HEAD DETAIL
*Alternate Anchoring Method when
blocking cannot be provided at rear of recess
(as shown on left).*

RECESS ANCHORING NOTES













- The above Recess Details depict standard locker construction. If Designer or Mondrian® lockers are being installed, the face of wall will not be flush with face of lockers as shown.
- **California Installations:** Please contact our Product Engineering Department at the Canton Home Office for information relative to anchoring requirements that may be required for compliance with Title 24 of the California Administrative Code.



Note: The recommendations on Pages 1, 2 and 3 of this brochure are intended as recommendations only and not as warranties. Actual anchoring instructions depend on wall and floor materials, installation techniques and other variables.

If assistance or additional information is needed, please call Republic Storage Systems Company, Inc. in Canton, Ohio at (216) 438-5800 and every effort will be made to assist in designing a safe installation.

Various Types of Fasteners Recommended for Anchoring Lockers and Accessories

1. DESCRIPTION	2. USE IN:	3. PENETRATION	4. SIZE	5. RECOMMENDED PULL-OUT HOLDING POWER	6. DRILLED HOLE REQUIRED
SPRING WING TOGGLE BOLT 	Hollow Block Wall Board Plaster Hollow Tile	Completely through wall.	1/8" Diameter	1/2" Drywall Concrete Block	3/8" Diameter
			3/16" Diameter	1/2" Drywall Concrete Block	1/2" Diameter
HOLLOW WALL ANCHOR 	Plaster Wall Board Cinder Block Hollow Tile	Completely through wall.	1/8"	1/2" Drywall	1/4" Diameter
			3/16"	5/8" Drywall	3/8" Diameter
WOOD SCREW 	Wood: • Cypress • White Pine	1"	#10		80#
		1-1/2"	#12		120#
		1-1/2"	#12		90#
		1"	#14		135#
LAG SCREW 	Wood: • Spruce • Pine • Fir	1-1/2"	1/4"		100#
		1-1/2"	5/16"		150#
		1-1/2"	5/16"		173#
		1-1/2"	5/16"		260#
WEDGE ANCHOR STUD 	Concrete or Stone	1-1/8"	1/4"		204#
		1-5/8"	3/8"		307#
STUD ANCHOR 	Concrete Stone	1-5/8"	1/4" x 1-3/4"	In concrete, having minimum compressive strength of 2,000 PSI.	417#
					891#
HAMMER DRIVE PIN 	Concrete Block Brick	1/2" Minimum in hard concrete to 1-1/4" in softer concrete block.	1/4" x 3/4"	Embedded 1/2" in concrete having minimum compressive strength of 4,000 PSI—1-1/4" in block or brick.	1/4" Diameter x 1-3/8". Note: Depth of hole is critical.
					59#
JUTE FIBER ANCHOR 	All Masonry materials	1"	#8 s.m.s.		No hole required.
			#12 s.m.s.	In concrete or masonry having minimum compressive strength of 3,000 PSI.	297#
EXPANSION SHIELD 	Concrete Brick Stone	1-3/8"	1/4"	In concrete or masonry having minimum compressive strength of 3,300 PSI.	11/64" Diameter
					500#
LAG SHIELD 	Concrete Mortar Joint	1" in hard masonry. 1-1/2" in soft masonry.	1/4"	In concrete or masonry having minimum compressive strength of 3,000 PSI.	1/2" Diameter x 1-3/8" Minimum Depth.
					425#
NAILIN, ZINC 	Concrete Block Brick Stone	5/8"	1/4" x 3/4"	In concrete or masonry having minimum compressive strength of 4,100 PSI.	1/2" Diameter x 1" Minimum.
					150#
RAWL DRIVE 	Concrete Stone	1-1/8"	1/4" x 1-1/2"	In concrete or masonry having minimum compressive strength of 3,000 PSI.	1/4" Diameter
					502#

Use Column 5 to find the pull-out value equal to or greater than values shown on Pages 1 and 2* (see note below). Column 5 represents the recommended holding power of the particular fastener and is derived from the ultimate holding power by applying a factor of safety of 4:1 (25% of ultimate value). Use this column to select the fasteners suitable for the job conditions by matching these values to the recommended pull-out values in the anchoring details.

For proper methods of installing fasteners, consult the fastener manufacturers detailed instructions.



*** Note**

This chart is intended as a guide only, and not as a warranty. Actual values depend on wall and floor materials, installation techniques and other variables. Ultimate values based upon empirical data given in the various charts by the fastener manufacturers are divided by a factor of safety of 4 to derive the figures shown in Column 5.

Compressive strengths of concrete shown in the table are those used by the manufacturer of the fastener indicated and represents a value achieved in the tests conducted to derive the ultimate holding power. The actual material into which the anchoring devices are used on the job may not match that as stated on the chart and could result in a reduction of the holding power shown.

REPUBLIC STORAGE SYSTEMS SPECIFICALLY DISCLAIMS ALL WARRANTIES, EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE CONCERNING THE RECOMMENDATIONS SET FORTH ON PAGE 4 OF THIS BROCHURE.

The fasteners used to anchor lockers are not furnished by Republic Storage Systems. They are furnished by the erector/installer who must match the individual job conditions with the appropriate fastener (selected from the chart above) to obtain the recommended holding power as shown in the various anchoring details.