



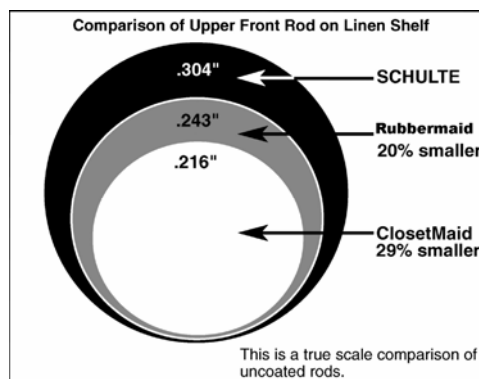
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Features & Benefits

Highest Gauge

SCHULTE uses the largest diameter wire rods in the industry.



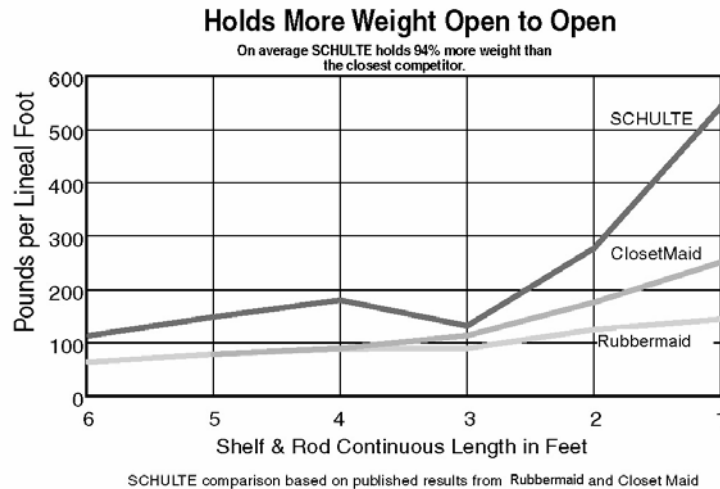
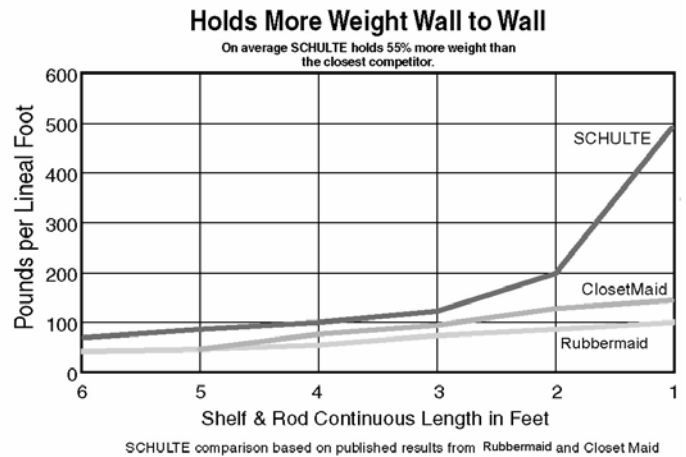
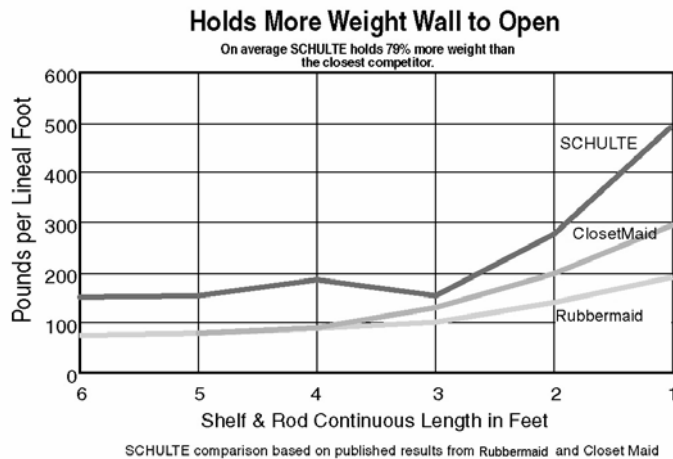
Front Rods	.306" diameter (1/0 gauge)
Studs (12" centers)	.306" diameter (1/0 gauge)
Back Rods	.243" diameter (3 gauge)
Cross Wires	1" spacing or standard mesh .105 (12 gauge)
	1" spacing for 20" standard mesh Storage Shelf .120 (11 gauge)
	1/2" spacing for Tight Mesh .0915 (13 gauge)

*All steel shelving is Grade C 1008 cold drawn steel rod PSI 100,000 tensile strength.

Higher Weight Capacity

More steel in our shelving and superior fastening system to hold more weight.

Properly installed SCHULTE shelving will hold 75 pounds per foot static load capacity.



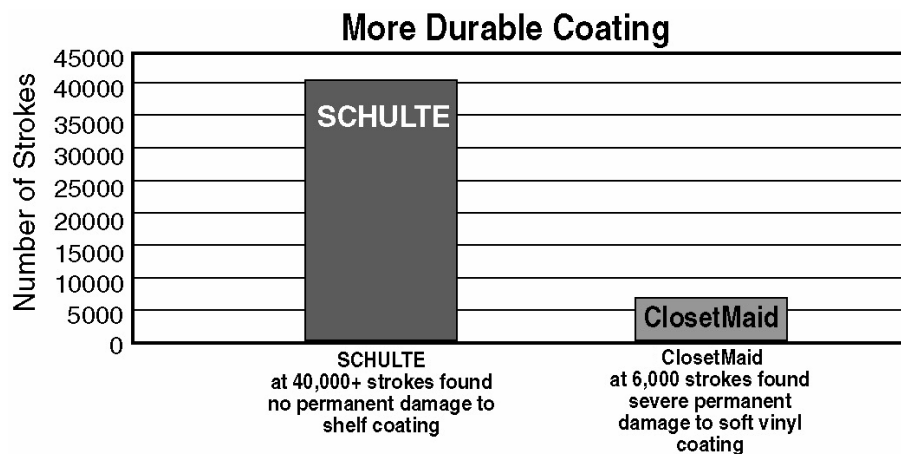
Tough Epoxy Finish

Unlike vinyl-coated product, our epoxy coating **does not**:

- Discolor
- Become sticky
- Indent from hanger weight

Our epoxy coating **is**:

- Specially formulated, electro-statically applied and baked-on
- Non-porous
- Non-absorbent
- Anti-marring, durable (never needs painting)
- easy-gliding finish with a 3-5 mils thickness
 - Allows for up to 5 times easier movement for hangers to glide freely

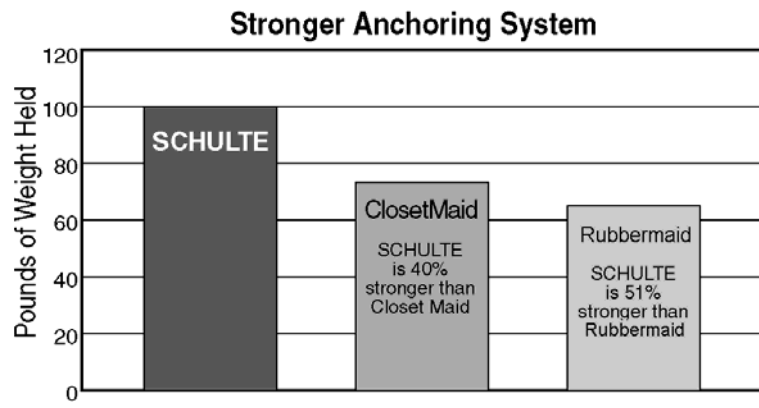


Brighter White

- SCHULTE's Lifetime Shelving has a superior white finish.
- Whiter and heavier than our competition.
- Matches our full family of products.

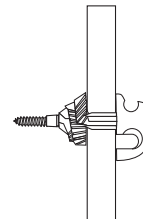
Superior Hardware

- Versa-clip Back Clips set SCHULTE apart from the competition.
- Support Braces and Support Poles offer superior strength.
- Maintains superior weight load capacities even on open-ended installations.



Simplicity

- We offer a Back Clip that works in any substrate.
 - drywall, concrete, plaster
- Support Poles that are adjustable.
- Patented Open Slide shelf.
- Back Clips do not interfere with cross wires.
 - placement of Back Clips is not critical (does not have to be in between the wires).
- The Versa Clip serves as both a Back Clip and a Down Back Clip.



Benefits of Ventilated Wire

- Easier to cut than wood and more forgiving.
- Quick and simple installations.
- Maintenance free – no dusting, painting, or cleaning.
- Allows airflow throughout the closet and allows you to see what is stored up high.

Lifetime Warranty



SCHULTE CORPORATION • LIMITED LIFETIME WARRANTY

SCHULTE Corporation warrants to the original consumer purchaser of properly installed SCHULTE wire shelving, wall and door racks, and other wire storage devices, that its products will remain free of any defects in materials and workmanship for as long as the original purchaser owns the products. This warranty applies only to properly installed SCHULTE products used for indoor domestic/consumer purposes.

In the case of installation of SCHULTE products for industrial, commercial, or business purposes, or use for such purposes, these same products are warranted to be free of defects in materials and workmanship for a period of two (2) years from the date of purchase. In case of any claim hereunder by a non-domestic use customer, such claim must be received by SCHULTE prior to a date ending on the second year after original purchase.

In case of any claim hereunder, SCHULTE agrees, at its sole discretion, to provide replacement product (FOB at the SCHULTE plant in Bloomington, IN) or a refund of the original purchase price. All claims should be addressed to SCHULTE Corporation, 12115 Ellington Court, Cincinnati, Ohio 45249. Attn: Warranty Damages.

THIS WARRANTY EXCLUDES PRODUCT DAMAGE DUE TO IMPROPER INSTALLATION OR PRODUCT ABUSE OR MISUSE, WHETHER INFLECTED BY AN INSTALLING CONTRACTOR, SERVICE COMPANY OR OTHERS. SCHULTE WILL NOT BE RESPONSIBLE FOR LABOR, INSTALLMENT OR FREIGHT CHARGES AND/OR ANY DAMAGE INCURRED IN INSTALLATION,

REPAIR OR REPLACEMENT, NOR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. NO IMPLIED WARRANTY SHALL EXCEED IN LENGTH THE SPECIFIC WARRANTY GIVEN HEREUNDER.

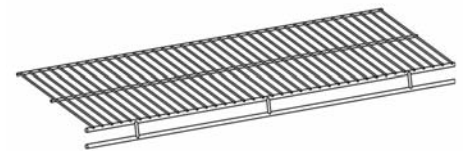
Some states, provinces and nations do not allow the exclusion or limitation of implied warranties, or of incidental or consequential damages so the above limitations or exclusions may not apply in every case. This warranty gives the owner specific legal rights, and the owner may also have other rights which may vary from state to state, province to province, and nation to nation.

Product Description

Hanging Shelves

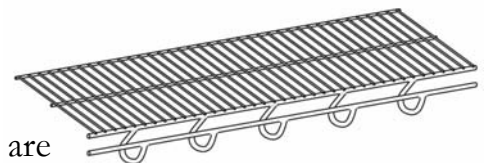
Shelf with Hanging Rod

- Most common type of hanging shelf.
- Dual duty shelf perfect for hanging and storage (Closets, laundries, etc...).
- The shelf cross wires are 1" apart and studs are every 12".
- It comes in two depths, 12" and 16".
- Shelves come in 12' lengths.



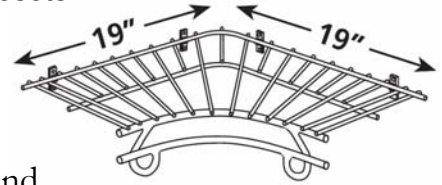
Open Slide® Hanging Shelf

- Allows uninterrupted movement along the entire shelf .
- Dual Shelf, like the Shelf with Hanging rod, but with continuous hanger movement.
- The shelf cross wires are 1" apart and support hooks are every 6" for strength.
- It comes in two depths, 12" and 16".
- Shelves come in 12' lengths.



Corner Rounder Shelves

- Extends hanging space around corners inside of closets.
- Allow 19" for placement in corner.
- Uses Joiner Clip and Waste Saver Joiner.
- It comes in 12" and 16" and is available for Shelf and Rod and Open Slide® II shelves.



Storage Shelves

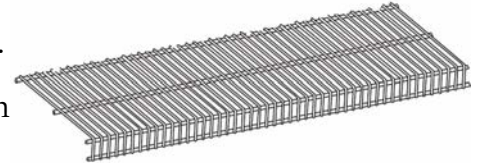
Storage/Linen Shelves

- An economical shelf used in pantries, linens, laundries and wherever hanging space is not needed.
- May be inverted to create a Shoe Shelf.
- The shelf cross wires are 1" apart and continue down the front lip of the shelf.
- It comes in three different depths, 12", 16", and 20".
- Shelves come in 12' lengths.



Tight-Mesh Storage Shelf

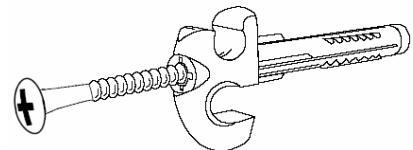
- Tight-mesh design keeps small items upright.
- May be inverted to create a Shoe Shelf.
- A versatile shelf used in pantries, linens and laundries.
- The shelf cross wires are 1/2" apart and continue down the front lip of the shelf.
- It comes in four different depths, 9", 12", 16" and 20".
- Shelves come in 12' lengths.



Installation Hardware

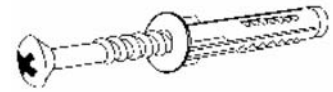
Versa-Clip® with Tri-Loc® II Anchor

- Strongest hardware available.
- Ventilated shelf every 11" to the back wall.
 - Shelf snaps into the Versa-Clip* with 20lbs of pressure.
 - Front of Versa-Clip does not interfere with crosswires.
- Patented Tri-Loc anchor system.
 - provides full 360 degree contact with drywall.
- Used as a Down Back Clip.
 - Placed above the shelf at open ends and above all support braces.
 - Installed in addition to regular usage to capture the back rod and keep the shelf from popping out.



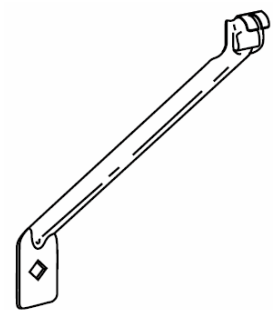
Tri-Loc® II Anchor

- Anchoring system that attaches Support Braces and Side Wall Brackets to the wall.
- Patented Tri-Loc anchor system.
 - provides full 360 degree contact with drywall.



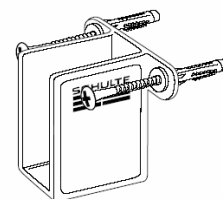
Support Brace

- Required every 42" and at the open ends of shelving.
- Comes in sizes for 9", 12", 16" and 20" shelves.
- All hanging shelves use 12" Support Braces.



Side Wall and Angled Side Wall Brackets

- Used in place of Support Brace when the shelf meets a wall.
 - Holds the front two rods of the ventilated shelf.
- Side Wall Brackets come with anchors loaded or not loaded.
- Angled Side Wall Brackets are designed to accommodate shelves that need to be cut at an angle.
 - Angled Side Wall Brackets only come without anchors loaded.



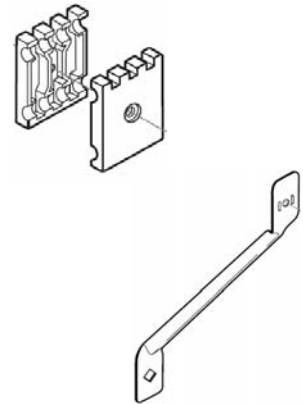
Anchors Loaded



Angled Sidewall Bracket

12" Joiner Support Brace with Joiner Clamp

- Used to connect to long continuous runs of shelving.
- Supports 12" and 16" Hanging Shelf and 12" Storage/Linen Shelving.
- Grasps the front wires of any two ventilated shelves.
- Can be inverted to hang shelf from a clipped ceiling (see page 34).



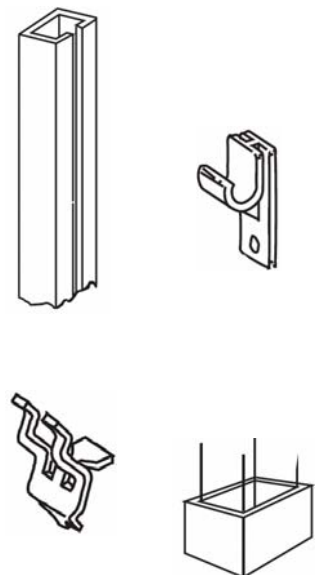
Strap Back Clip

- Used to secure ventilated shelving to studs in heavy duty applications (Optional) such as in pantries and garages.
- Uses a #8 x 1-1/2" Phillips PN: 1430-6688-30 sold separately.



Vertical Support Pole and Clips

- Replaces the Support Braces and Side Wall Brackets.
 - Most commonly used to create a tower of shelving.
- Support Pole uses either plastic Adjustable Pole Clip or metal Snap-In Pole Clips.
- Vertical Support Pole is made of steel and is available in 70" and 84 3/4" lengths.
- Rubber Caps are available for the top and bottom of the Vertical Support Pole.



Metal Corner Bracket

- Bracket used to create a “butt” corner.
- Holds the front of one shelf level with the connecting shelf without interfering with hanger movement.



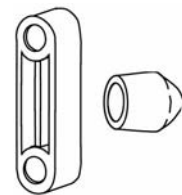
Shoe Rack Support

- Used with 12” Storage or Tight-Mesh Shelves.
- Supports shelf at an angle.
- Two mounting options:
 - Attached on middle wire of shelf to support the shelf off the wall.
 - Attached to the front wire of the shelf to support the shelf off of the floor.



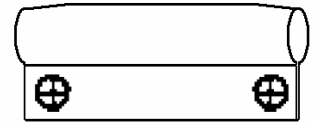
End Caps & Double End Caps

- Covers and finishes rods that have been cut.
 - Prevents articles of clothing from snagging on the ends of the shelf and other issues.
- Presses on the end of each cut rod.
 - Can also be permanently attached to shelf with super glue.
- Large and small sizes available as well as Double End Caps for every application.



Open Slide® Joiner Clip

- Connects the Hanging Rods of two ventilated shelves together to allow for continuous hanging.
- Comes with two bolts and two nuts that tighten the Clip to the Hanging Rod.
- Need two Joiner Clips per Corner Rounder Shelf.



Waste Saver

- Used to connect any two Shelf Rods together other than the Hanging Rod.
- Keeps shelf crosswires 1" apart.
- Fits snugly over wires to allow a seamless transition along the shelf.



Side Wall Support

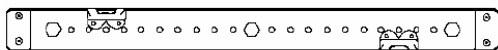
- Used when you have an Angled Shelf to capture the cross-wires.
- Attaches to the side wall with Tri-Loc Anchor.



Templates

- Available in two different types: Punch-Type (mark wall for drilling later) and Drill Type (give bushing for drilling hole).
 - Punch Type Templates have points on the back of the template that when pressed into the wall mark the wall with small divets where holes should be drilled. Allows for any corrections that need to be made before drilling the actual holes.
 - Drill type templates have a bushing that guides a 1/4" drill bit where holes should be drilled. Process allows for little leeway if holes end up being in the wrong place.
- Templates are available in 24" and 36" Back Clip Templates and for 9", 12"-16" and 20" Shelves.
- The Drill-Type Template is the only Template that is available as a Combination Template. The Combination Template is used for putting Back Clips and Sidewall Brackets in Shelf Stacks.

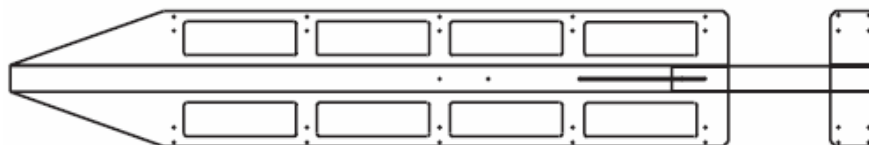
Back Clip Template



Side Wall Bracket Template



Back Clip & Side Wall Bracket Template



Template Instructions

Side Wall Bracket

Drill Through

Drill-type Side Wall Bracket Templates:

5010-6731-40 (9"), **5010-6732-40** (12-16"), **5010-6734-40** (20")



1. Align notch of Side Wall Bracket Template with marked shelf line, level, and drill through the template's bushings using a 1/4" drill.
2. When using combination 12"-16" Side Wall Bracket Template (5010-6732-40) extend sliding extension for 16" deep shelving.

Punch

Punch Type Side Wall Bracket Templates:

5010-6741-40 (9"), **5010-6742-40** (12-16"), **5010-6744-40** (20")



1. Align notch of Side Wall Bracket Template with marked shelf line, level, and press firmly to the wall.
2. When using combination 12"-16" Side Wall Bracket Template (5010-6742-40) extend sliding extension for 16" deep shelving. Drill 1/4"-inch hole at all indent marks.

Back Clip

Drill Through

Drill-type Side Back Clip Templates:

5010-6705-40 (24"), **5010-6710-40** (36")



1. Measure and mark the required shelf height.
2. Drill a 1/4" hole approximately 1-1/2" inside of the shelf starting point. Insert the post on the template into this first hold, level, and drill the next holes. Repeat this process across the shelf wall. At the end of the shelf wall, it may be necessary to align the slots of the template of the previously drilled holes (not using the post), and drill the last hole approximately 1-1/2" inside of the shelf ending point.
3. If Side Wall Bracket is required, mark the shelf height at the notch before removing Back Clip Template. This mark will be used to align Side Wall Bracket Template.

Punch

Drill-type Side Back Clip Templates:

5010-6725-40 (24"), **5010-6730-40** (36")



4. Measure and mark the required shelf height.
5. Align notch on template with this mark, level, and press firmly or tap against the wall to leave small indentation marks. Place the point of the punch in the last indentation, level and repeat the process. At the end of the shelf wall, it may be necessary to align the holes on the template over the previously punched indentations, level and then mark the last indentation, level and then mark the last indentation through the hole with a pencil or awl.
6. If Side Wall Bracket is required, mark the shelf height at the notch before removing Back Clip Template. This mark will be used to align Side Wall Bracket Template.
7. Drill a 1/4" hole at all hole locations.

Combination Template

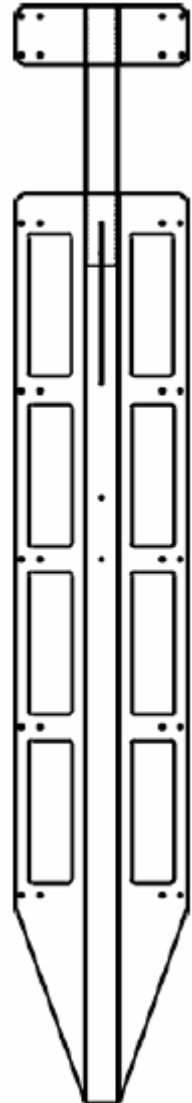
Drill Type

Back Clip and Side Wall Bracket Template

5010-6736-40 ("Ironing Board")

Caution: Do not rely on the floor to be level. Use the level on the template to ensure level shelves.

1. Determine the required shelf heights. The shelf heights of template can be adjusted by raising or lowering the foot. See information below.
2. Place edge of template where shelf will begin. The foot of template should rest on the floor as you level it. Drill through the second bushing from the edge as well as the next matching color for each required shelf height. Colors are coordinated for moving left to right, and right to left. Move the template across the wall by aligning the template, then drill. (You may also approximate the required 11" between Back Clips and drill the next two sets of holes.)
3. For Side Wall Brackets, place the template against the return wall, and drill the blue and green pair of bushings at the required shelf heights.
4. For 16" deep shelving, extend the foldable arms before drilling for Side Wall brackets.



Shelf Stack Heights

Shelf heights with legs in extended position:

84", 81", 68", 55", 42" and 29"

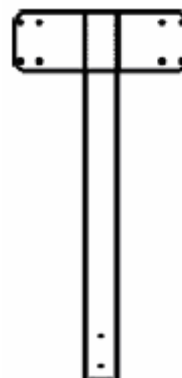
Shelf heights with legs in lower position:

71", 68", 55", 42", 29" and 16"

33" Extension Arm

5010-6737-40 ("Ironing Board")

- Used with the Combination Template to accommodate taller ceilings



Tools

Required Tools:

- Templates
- 9.6 v or greater cordless drill with an extra charged battery
- #2 Phillips Screwdriver
- 1/4" drill bit
- Tape Measure
- Pliers
- T-bevel
- Mallet
- 5 gallon bucket for bulk hardware
- 12" and 24" levels
- Bolt cutters
- Pencils
- Tool belt
- Razor knife

Highly Recommended:

- Pneumatic cutting head
- Cutting table
- Replacement Jaws
- Balancer
- Air Compressor
 - Professional Compressor. 25 gallon, 3 1/2 HP, Vertical, 2-stage, Oil free Pump, 175 psi max or similar compressor

Design Fundamentals

Determining the Type of Installation

This is important because of different types of hardware and installation.

Wall-to-Wall

- In this installation, there are two side walls to attach the shelf.
- This is the easiest installation! Requires Versa-Clips, Side Wall brackets at each end against the side wall and center support if the shelf is more than 42" long.
- Important: This type of installation requires that you cut the shelving 1" shorter than the measured width.

Open-to-Wall

- In this installation, there is only one side wall available to attach the shelf.
- This installation requires Versa-Clips and a Side Wall Bracket on one end where the shelf will meet the wall and either Support Brace or Support Pole on the other end (open end).
- The shelf should be cut exactly to the length desired.
- An extra Versa-Clip needs to be installed above the shelf at the open end if using a Support Brace.

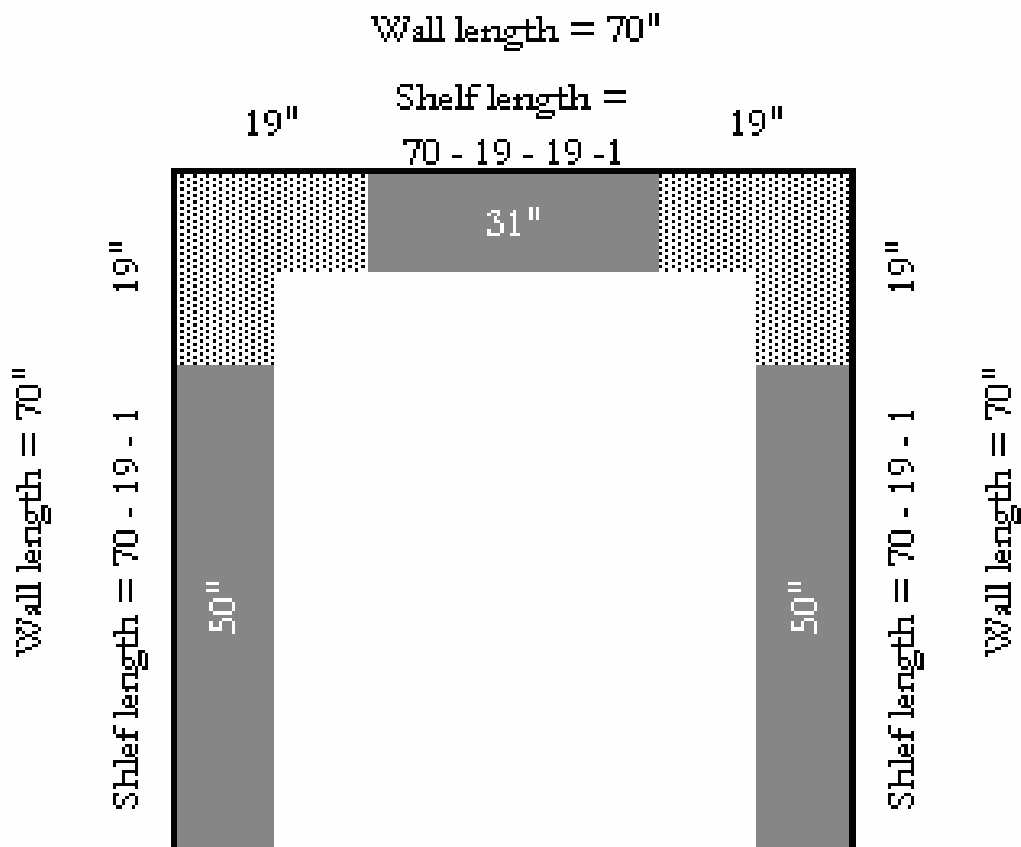
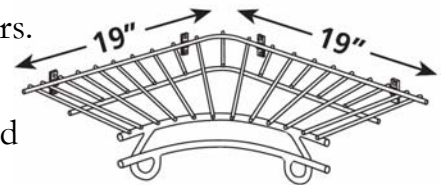
Open-to-Open

- In this installation, the shelf is not attached to either side wall.
- This installation requires Versa-Clips and a Support Brace or Support Pole on both ends.
- The shelf should be cut exactly to the length desired.
- Extra Versa-Clips needs to be installed above the shelf at both ends if using Support Braces.

Corner Treatment

Corner Rounder

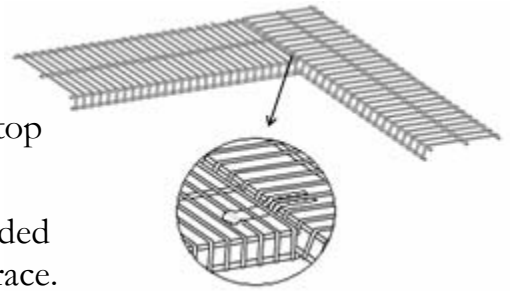
- This design will allow hanging space to continue through the 90-degree corner, keeping clothing accessible and not pushed into “out-of-reach” corners.
- The Corner Rounder shelf is available for hanging shelves, Shelf with Hanging Rod and Open Slide, and uses conventional hardware.
- The shelf connecting to the Corner Rounder is always cut 1” shorter, similar to a wall-to-wall installation.



Corner Treatment Continued...

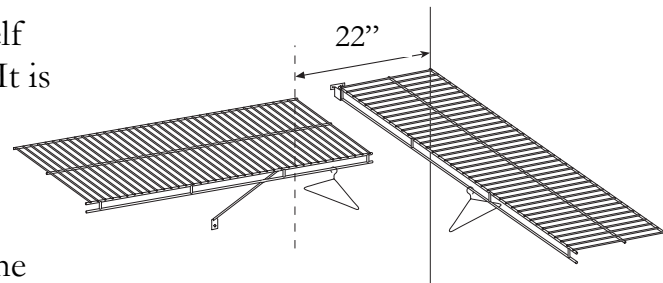
Square

- This design allows the shelves to be butted together in a the 90-degree corner.
- Butting shelves in a corner is generally done with storage shelves such as a large linen closet or the top shelf in a walk-in.
- One shelf uses a Side Wall Bracket. The open-ended shelf uses a metal corner bracket and a support brace. Place the support brace 10-12" from the shelf end so the support brace does not interfere with hanger movement on the other shelf.



Open

- This design is used when one hanging shelf meets another hanging shelf in a corner. It is the most economical and allows for the complete use of the corner for hanging.
- Typically one shelf stops 22-30" from the corner and the other shelf is installed to the wall.



Clothing Measurements and Spacing

The best-designed storage space considers the customer's available space and an inventory of the items to be stored. Ask the consumer to organize his or her items into three groups; long hang, short hang, and items to be placed on shelves or in drawers. This inventory will assist in determining how much space should be allocated to each type of storage. Below you will find a chart of general space guidelines.

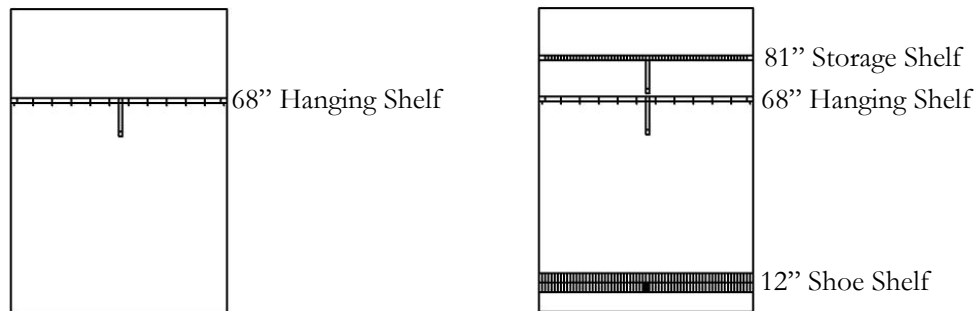
Men's Clothing	Thickness	Length	Women's Clothing	Thickness	Length
Jacket	2"	45"	Jacket	2"	36"
Long coat	2.5"	60"	Long coat	2.25"	60"
Bathrobe	1.5"	54"	Short coat	2"	42"
Suit	2-4"	42"	Bathrobe	1.5"	51"
Slacks over hanger	1.5"	39"	Suit	2-4"	36"
Slacks hung from cuff	1"	54"	Slacks over hanger	1.5"	36"
Shirt	1.25"	39"	Slacks hung from cuff	1.5"	51"
Shoes (pair)	9"	12-16"	Skirt	1.75"	36"
Ties	6"	30"	Dress	2"	60"
Folded clothes	14"	12"	Blouse	1.25"	36"
			Folded clothes	12"	10-12"
			Shoes	7"	12"

- The width and length measurements found in the chart are approximates and should be adjusted to fit the size of the individual.
- Plan ahead for future additions by adding 10-15% to the storage space required.

LAYOUTS

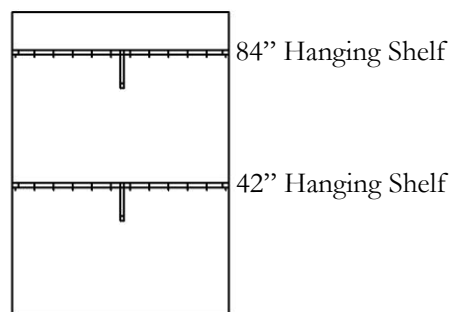
Single Hang

One hanging shelf, typically Shelf & Rod or Open Slide, is hung at 68" from the floor. Generally, an upper Storage/Linen or Tight-Mesh shelf is added at 81" from the floor. Consider a Shoe Shelf (inverted shelf) placed at either 6" or 11" from the floor and at every 8" for multiple Shoe Shelves.



Double Hang

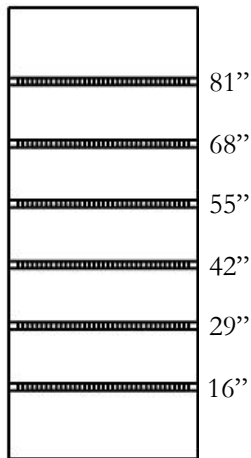
This design doubles the vertical space with two hanging shelves, either Shelf and Rod or Open Slide are hung at 42" and 84" from the floor.



Layouts Continued...

Tower/Stacking

Five or six storage shelves stacked 13" apart (due to support braces) starting at either 29" (five shelves) or 16" (6 shelves) from the floor. Towers can be created in between single or double hang sections of a design for storage of folded clothing.



LAYOUTS CONTINUED...

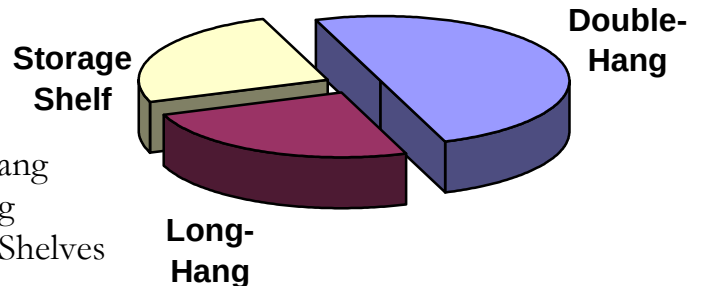
Reach-in

A 50/25/25 rule is a good start.

50% of the closet for Double-hang

25% of the closet for Long-hang

25% of the closet for a Storage Shelves



Using this rule for a typical 8' reach-in closet you would allow 4' for double-hang, 2' for single-hang and 2' for a tower.

Walk-in

A walk-in uses similar rules (50/25/25) as the reach-in, but consider that the "HIS" side may not need 25% single-hang, and the "HER" side may require more.

Child Reach-in

A child's reach-in for toddlers may use triple-hang by mounting shelving at 28", 56" and 84" from the floor. Adjustable installation may be best in this situation (see freedomRail) because it can be changed to normal mounting locations as the child grows.

The tower space should be designed for games, toys and books.

Pre-Teen Reach-in

A pre-teen's closet is similar to a normal reach-in, but the hanging can be installed closer together. If you position the shelving at 32" and 64" then you can put a storage shelf at 84" from the floor which provides double-hang and added storage.

Design Considerations

Doors

Bypass doors leave the center of the closet somewhat cumbersome to access. Do not put a tower in the center. Instead, consider long hang in the center.

Return Walls

Reach-in closets often have return walls on either side of the door. These walls may offer an opportunity to hang a tower of shoe shelves if the closet is more than 30" deep.

Above Doors

A closet with a tall inside and a normal size door poses other problems. Once you reach a point in the height of the shelving that it is at or above the doors, a normal depth shelf may not be the best choice. If the closet is 22" deep, once you are above the door height (80"), a 16" deep shelf will only leave 6" of space to access the shelf. Use 9" or 12" deep shelving instead.

Other Obstacles

Closets usually house a variety of items that can get in the way of the installation of shelving. Some of these items include switches, outlets, registers, security panels, attic access's electric panels, windows, central vac hookups and recessed vanity mirrors that are on the other side of the wall to name a few. It's important to note that anytime these things are present, the person designing the closet should place them on the drawing so that the installer knows before hand what he is getting into and can install around them.

Questions to Ask Before Designing...

Before starting closet designs, the following questions will help you to customize the design to the homebuyer's needs.

Master or Bedroom Closets

How much long hang will the customer need?

- Storage for dresses, robes, pants hung by the cuff.
- Women – 25% estimate between 18” and 36”.
- Men – 0-25% but if needed at all, it will be for pants/robes.
- Child – usually none, but teenage girls may need a minimal amount for dresses.

How much shelving will the customer need?

- Shoes, sweaters, handbags, hats, games, toys, linens.
- Women – usually need 1-2 sections.
- Men – at least one section.
- Child – may need as much shelving as hanging.

How much double hang will the customer need?

- After determining long hang and shelving needs, the remainder of the space should be used as double hang.

Linen

What do you store in your linen closet? Do you need to maximize the depth of the closet shelving?

- Is the closet deep enough to install shelving on the side walls?
- Does the customer need deep shelving for beach towels, blankets, etc., if so suggest 16” or 20” deep shelving.
- Suggesting the use of tight mesh shelving makes the space more versatile; smaller items can be stored on the shelving without falling through the cross-wires.

Pantry

Do you need adjustable storage?

- If adjustable storage is desired in the pantry, the customer should be introduced to freedomRail.

Do you buy in bulk?

- Yes – the first shelf should start at 29” to provide sufficient storage below.
- No – the first shelf can be located at 16” to provide 6 storage shelves.

Do you buy items in large packages (cereal boxes, etc)?

- Yes – leave a large space between two shelves or omit one shelf in the stack.
- No – space shelves evenly.

Do you store small items (spices, etc) in your pantry?

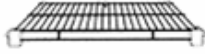
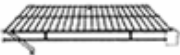
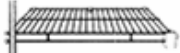
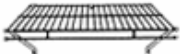
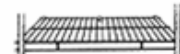
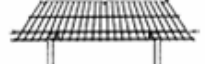
- Yes – suggest use of tight-mesh shelving to prevent small items from falling between the crosswires
- No – Linen/Storage shelving will be sufficient

Do you need to maximize the depth of the shelf (foil, plastic wrap, etc)?

- Yes – suggest 16” or 20” deep shelving.

Note: The top shelf in a pantry may need to be 9” or 12” deep to allow clearance with the door header. It is recommended to provide a minimum of 8-10” of clearance between the shelf and the door header.

Selecting Proper Hardware

Wall-to-wall with side walls supporting shelves.  requires A, B shelves longer than 3'6" require H or I, J	Open-end-to-wall with a side wall anchoring one shelf end and a Support Brace or Support Pole on the other.  requires A, B, H or I  requires A, B, J	Open-end-to-open-end with Support Braces or Support Poles anchoring both ends.  requires A, H or I  requires A, J
Shoe Rack - Upside down with added Shoe Rack Supports, the 12" shelf converts to a Shoe Rack.  requires A, E		

A	Versa-Clip® with Tri-Loc® II* Anchor	Attaches Shelving to wall every 11".	
B	Side Wall Brackets with Tri-Loc® II* Anchor	Supports front of Shelf from side wall(s).	
C	End Caps - Small, Large, Double	Covers cut rods for a finished look.	
D	Tri-loc® II* Anchor	Attaches Support Braces to wall.	
E	Shoe Rack Supports	Converts Shelving to shoe rack.	
F	Adjustable Pole Clips & Caps	Attaches multiple shelves to Support Pole (J) at any height.	
G	Metal Corner Bracket	Joins Shelving to Shelving in corners.	
H	12" Support Brace	Supports Shelf at open end or every 3'6". For all 12" Shelving and 16" Hanging Shelves.	Requires D 
I	16" Support Brace	For 16" Storage Shelving.	Requires D 
J	84" Support Pole	May be used in place of Support Braces.	Requires F 

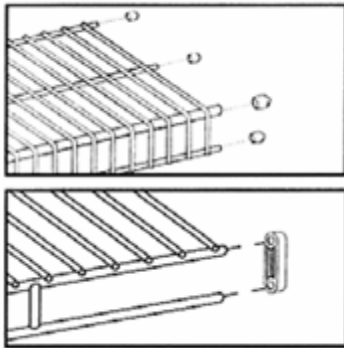
* Patent 6,086,035

Hardware to Wire Shelving Ratios for Ordering

Description	Type of Shelving	Ratio
Versa-Clip	All	# of ft x 1.25
Side Wall Bracket	All	# of ft x 0.5
Small End Cap	All	# of ft x 2
Large End Cap	Shelf & Rod	# of ft x 2
Support Brace	All	# of ft x 0.20

Installation

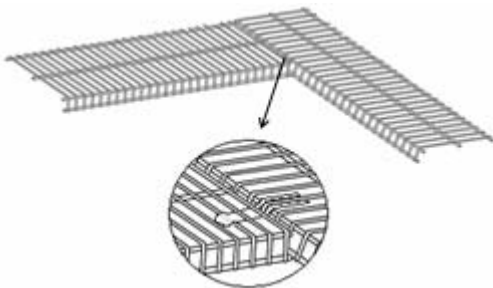
End Caps



To cover rods for a finished look

- Place over cut rods on either end of shelving for a finished look
- Double end caps provide additional support and prevent hanger from sliding off the shelf

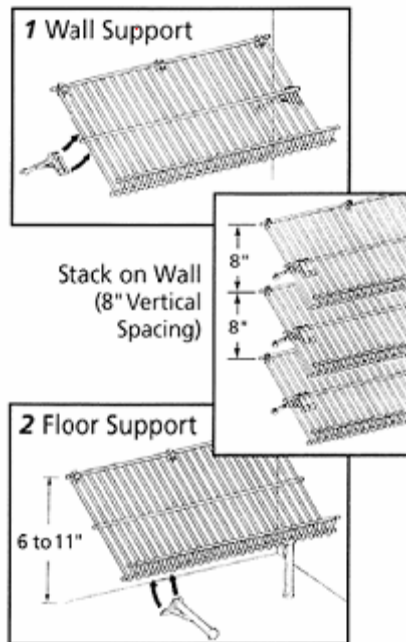
Metal Corner Bracket



Creates corners without Corner Rounders Treatment

1. Run one shelf fully into corner, secure with a Side Wall Bracket
2. At corner, butt the end of a second shelf against the first
3. Secure second shelf with Support Brace

Shoe Rack Supports



Turned upside down and braced with Shoe Rack Supports, a Storage Shelf or a Shelf with Hanging Rod becomes a Shoe Rack.

Double your shoe storage by lining shoes up on the shelf and on the floor beneath.

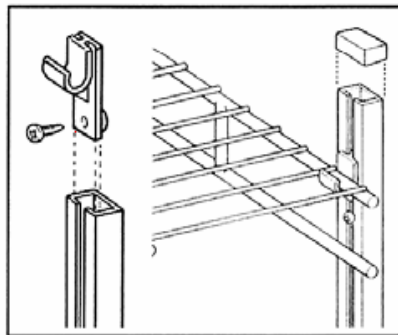
To convert shelving to a shoe rack:

1. Install inverted shelf to back wall (see instruction for Versa-Clip).
2. Snap Shoe Rack Supports in place for either wall support (figure 1) or floor support (figure 2) as illustrated.

NOTE: May be used with all 12" or 16" depth shelving

Support Pole

To support shelving at open end or as a center support when Support Braces are not used.



Support Poles provide greater strength than Support Braces when installing multiple shelves.

Adjustable Support Pole Clips allow you to attach shelves at almost any height.

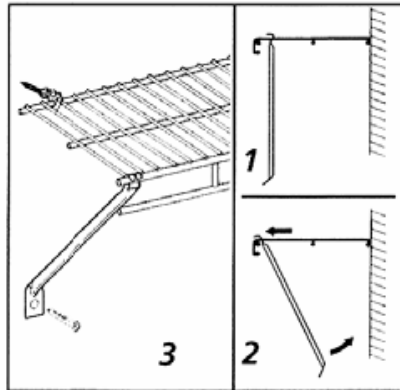
Adjustable Support Pole Clips come in two different types:

1. The screw in type that uses a serrated head to grip the pole. The serrated head stays on the pole even when not attached.
2. Clip-in type. While the clip-in type is stronger, it cannot stay on the pole without weight forcing it down.

The recommended spacing is every 3'6". If desired, an 84" Support Pole can be cut to length about $\frac{3}{4}$ " above the highest shelf. Place caps over each end to protect the floor and provide a finished look.

Support Braces

To support front of shelf at open end or when shelf span is greater than 42". For extra-heavy loads, place Support Braces every two feet.



1. Attach shelf to wall. (see instructions for Versa-Clip)
2. While holding shelf level, insert Support Brace in shelf as shown and rotate back to wall. (figure 1 thru 2)
3. Mark wall through Support Brace and drill 1/4" hole at marked position.
4. Holding Support Brace to wall, insert Tri-Loc II Anchor through Support Brace (figure 3) leaving it approximately 1/8" from the wall. Draw tight with power screwdriver till anchor is flush with the wall.

Note: If installing Tri-Loc II into a stud or solid wall, be sure to drill at least 2-1/2" deep and fully insert Tri-Loc II Anchor into the wall.

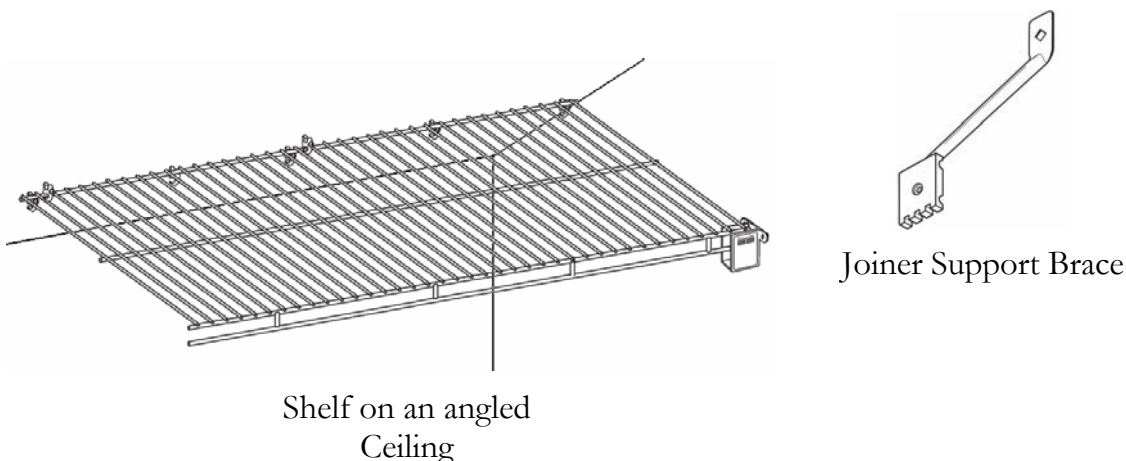
Angled Ceiling Support Brace

Purpose:

To support the front of 12" and 16" shelves with an open end or as a center support on an angled ceiling installation.

Installation:

1. For most applications, a 12" Joiner Support Brace will be used for a 12" Shelf and a 16" Joiner Support Brace will be used for a 16" Shelf.
2. For the most secure installation, attach the Joiner Support Brace to a stud when possible. Otherwise, use a tri-loc anchor.
3. With a pair of pliers, bend the flange end, where the Joiner Clamp will be attached, of the support brace down approximately $\frac{3}{4}$ " to 1".
4. Then, using pliers, bend the other flange end back approximately $\frac{1}{2}$ " to 1". The steeper the pitch of the ceiling, the more the flange end should be bent.
5. Attach the Joiner Clamp and Support Brace to the Shelf. The Brace will attach to the back of the Joiner Clamp.
6. Level the shelf and determine the exact bend that is needed in the top flange. Make the final adjustment of the flange with the pliers.
7. Level the shelf again, mark the hole for the Support Brace, drill and attach.



Take-offs

The key to a successful installation is to start with the proper measurements that take into account any obstruction in the closet. Obstructions may include safes, windows, heating ducts, attic access doors, alarm or electrical boxes and light switches. It is also important to note what type of door will be used and the orientation of the door (swing in or swing out).

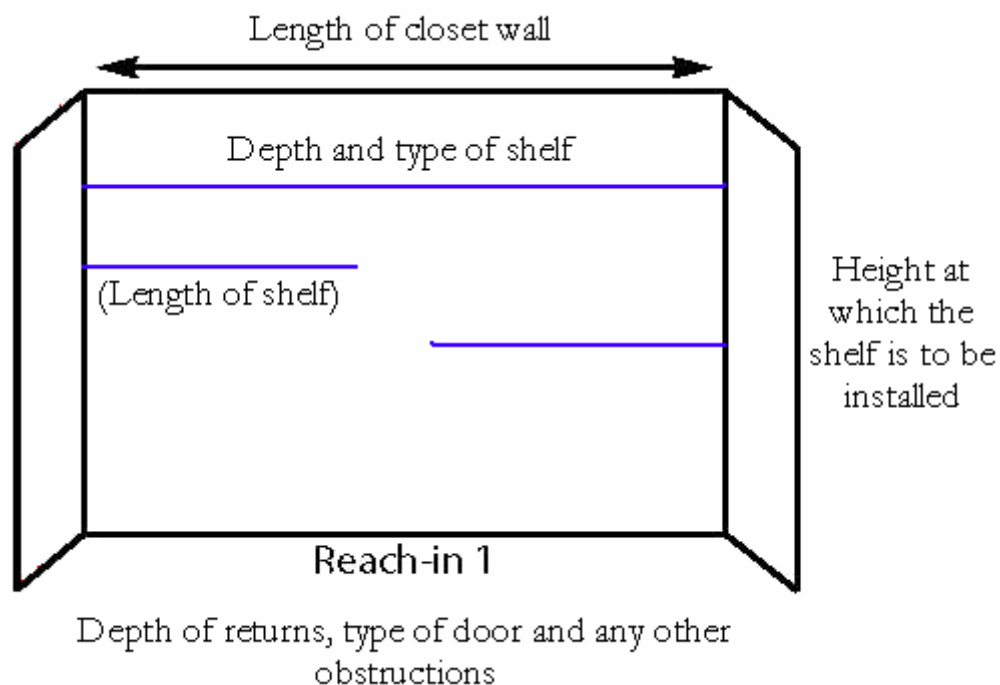
Always consider what is on the other side of the wall!!

All measurements should be exact. If the installation is going to call for an inch to be subtracted from the shelf, it should be the cut-man who subtracts the inch. All measurements should be included on a takeoff Sheet.

The following should be noted on the takeoff sheet for each closet:

- Wall-to-wall length in inches
- Height in inches
- Return measurements in inches
- Location of any obstruction(s)
- Type of door to be used

Measurements should be recorded on the take off sheet using the following method:



Abbreviations for Shelving:

SR = Shelf & Rod

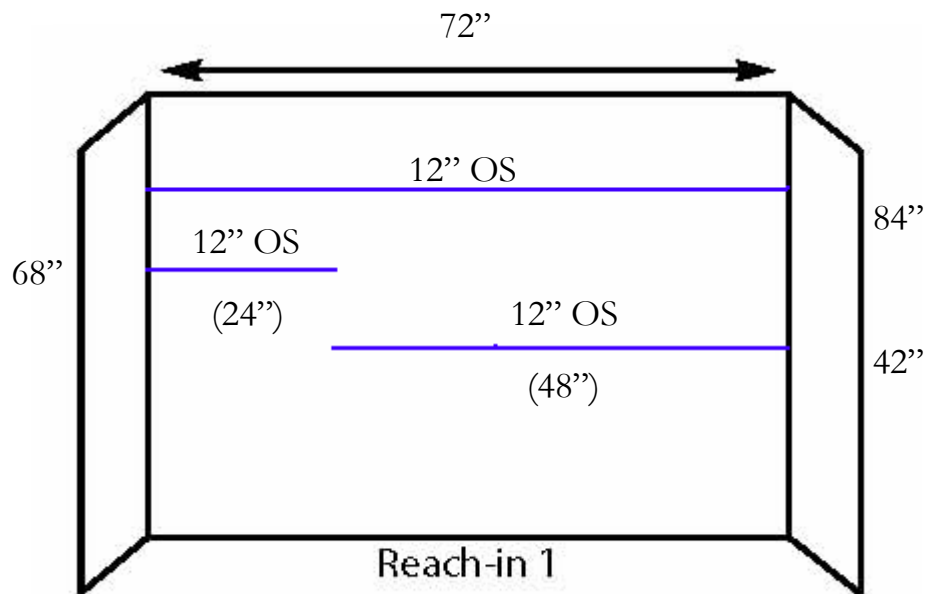
LN = Linen

OS = Open Slide

TM = Tight mesh

It is important to make sure that the **wall length is exact** and marked at the top of the take off. The length of any shelf that is not to extend wall to wall should be noted under the shelf. The height at which the shelves are to be installed should be indicated next to each shelf.

Example Take Off:



33.5" returns walls with sliding doors

The back of the take off sheet is used for creating parts lists and pricing the job, therefore it, extremely important that take offs are accurate.

Take off sheets are typically used to invoice a job! Accuracy is extremely important!

General Rules for Calculating Hardware Needs

The following rules will assure the strongest installation and should be used for every shelf in a design:

1. # of Versa-Clips = Feet of shelving + 1.
2. For every open end, add 1 more Versa-Clip as a Down Back Clip.
3. For Shelf & Rod or Open Slide, add 1 more Versa-Clip as a Down Back Clip for every Support Brace.
4. # of Support Braces = 1 for every 3'6" (42") of shelving.
5. # of Tri-Loc Anchors = (1 for every Support brace) + (2 for every Side Wall Bracket).

Shelving					Hardware				Accessories
Closet #	Qty	Measured Length	Type	W-W O-O W-O	Versa-Clip	Support Brace w/ Tri-Loc Anchor	Support Pole w/ Clips	Side Wall Bracket	Tie & Belt Racks, Shoe Racks
1	1	72	12" OS	W-W	8	1		2	
1	1	24	12" OS	W-O	4	1		1	
1	1	48	12" OS	W-O	7	2		1	

Total Length	Shelving Type	Cost/Foot	Subtotal
144	12" OS	\$4.83	\$57.96
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00

Qty	Hardware	Cost Each	Subtotal
19	Versa-Clips	\$0.259	\$4.92
4	Support Brace	\$1.708	\$6.83
4	Side Wall Bracket	\$0.994	\$3.98
8	Tri-Loc Anchors	\$0.248	\$1.98
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00

Qty	Accessories	Cost Each	Subtotal
TOTAL			\$75.67

**The above example is list pricing

**SCHULTE VENTILATED STORAGE SYSTEMS
6' WALL TO WALL CLOSET
LIST PRICE / Effective 9/25/06 (March 2007 update)**

Shelf TECH Line	
Item	List Price per Foot
12" ST Shelf / Rod	\$3.67
9" ST Linen	\$3.64
12" ST Linen	\$3.44
16" ST Linen	\$4.02

Suggestion on Grouping Shelving

Item	List Price per Foot
12" ST Shelf / Rod	\$3.65
9" ST Linen	\$3.65
12" ST Linen	\$3.65
16" ST Linen	\$4.05

SCHULTE Lifetime Shelving	
Item	List Price per Foot
12" Shelf / Rod	\$4.16
16" Shelf / Rod	\$4.87

Suggestion on Grouping Shelving

Item	List Price per Foot
12" Shelf / Rod	\$4.15
12" Linen	\$4.15
9" Tight Mesh	\$4.15

12" Open Slide	\$5.47
16" Open Slide	\$6.60

16" Shelf / Rod	\$4.75
16" Linen	\$4.75
12" Tight Mesh	\$4.75

12" Linen	\$3.89
16" Linen	\$4.57
20" Linen	\$5.48

12" Open Slide	\$5.50
20" Linen	\$5.50
16" Tight Mesh	\$5.50

9" Tight Mesh	\$4.37
12" Tight Mesh	\$4.72
16" Tight Mesh	\$5.69
20" Tight Mesh	\$6.69

16" Open Slide	\$6.70
20" Tight Mesh	\$6.70

- 1) Includes all hardware for a 6' Reach-in closet
- 2) Based on pallet quantities and bulk hardware
- 3) 6' "Wall to Open", add .12 to List Price per foot.
- 4) 6' "Open to Open", add .24 to List Price per foot.

When ordering product:

Back Clips:	# of all shelving footage X 1.25
Side Wall Brackets	# of all shelving footage X .4
Support Braces	# of all shelving footage X .2
Brace Anchors	total amount of braces
Small End Caps	# of all shelving footage X 2
Large End Caps	# of all shelving footage X 2

Must round up to carton quantities

Custom Closet Design Worksheet

Lifetime Ventilated with Versa-Clip Hardware



Date _____

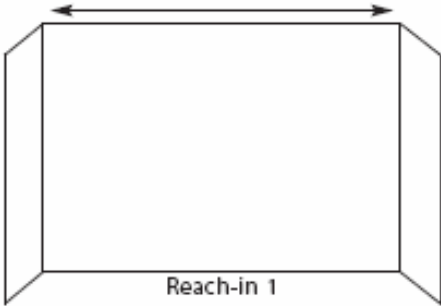
Job Name/No. _____

Contact _____

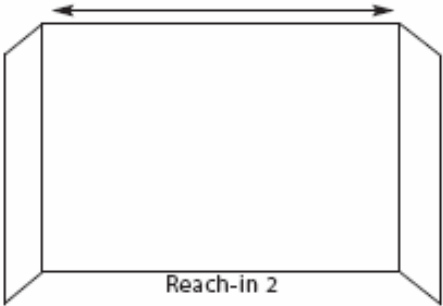
Address _____

Phone _____ Fax _____ Day # _____

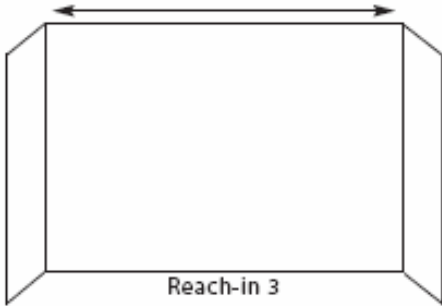
Designed by: _____



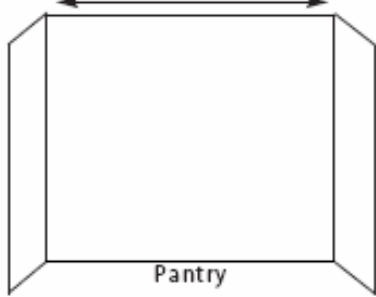
Reach-in 1



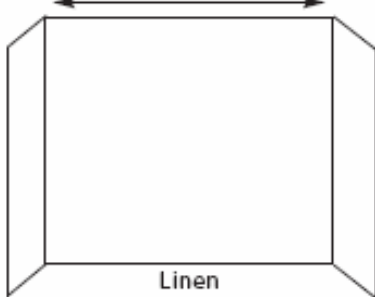
Reach-in 2



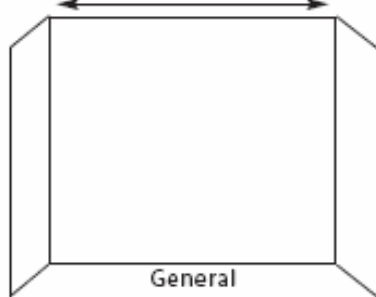
Reach-in 3



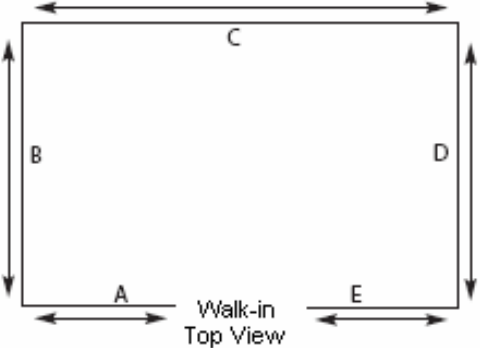
Pantry



Linen



General



Walk-in Top View



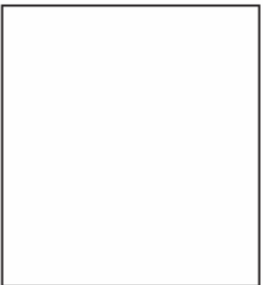
Walk-in Side View Wall A



Walk-in Side View Wall B



Walk-in Side View Wall C



Walk-in Side View Wall D



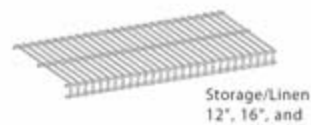
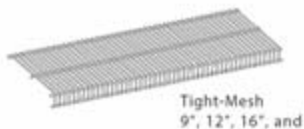
Walk-in Side View Wall E

SR = Shelf & Rod

LN = Storage/Linen

OS = Open Slide

TM = Tight-Mesh

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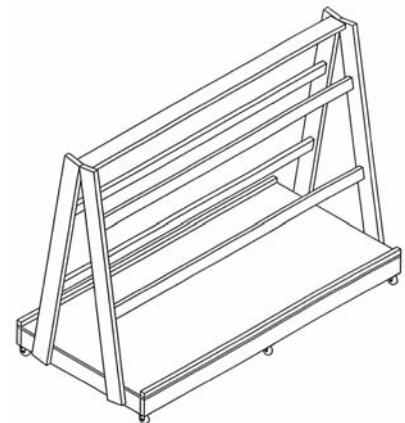
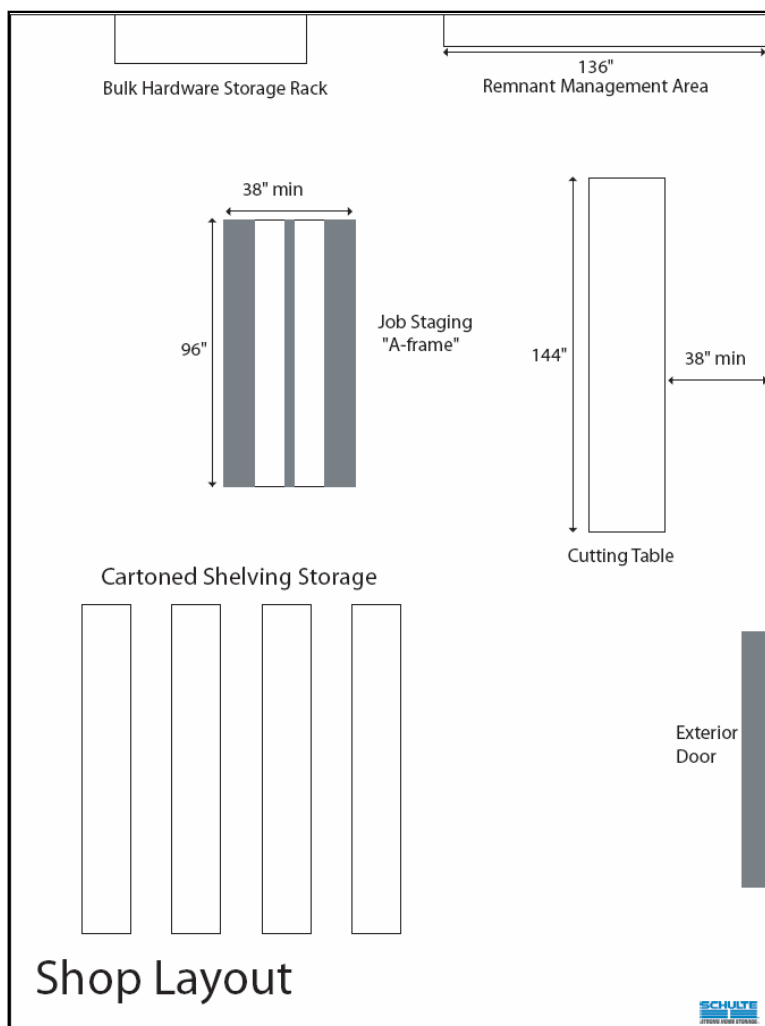
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Warehousing & Installation Preparation

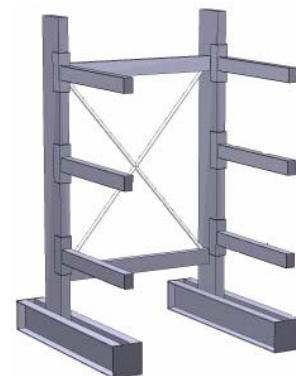
- There should be an **efficient flow** of materials from storage to cutting to bundling and staging.
- Remnant management will minimize waste, maximize your inventory and your cutter's time, and maximize your profits.
- Bundling jobs by the closet and marking them, increases your efficiency and productivity.

Shop Set-up

The ideal shop will be a minimum of 1,000 to 1,500 sq ft. The following is a sample shop layout that would allow for an efficient flow of materials through the shop. The cutting area should be at least 15'x20' to 20'x20' in order to allow for easy movement of materials.



A-Frame



Cantilever Rack

Remnant Management

The remnant management area should be positioned as close to the cutting table as the new inventory. A section of wall 10'-16' long should be divided into sections for different types and lengths of shelving, and the walls should be marked in 6" increments from the floor to 12'. This will allow your cutter to easily identify desired lengths of shelving without having to use a measuring tape.

Cutting Guidelines

The following Cutting Guidelines should be posted by the cutting table and above the remnant management area.

Before every cut, always check the remnant pile for a shelf within 6" of the needed length. If all shelves in this area will leave more than 6", use a new 12' shelf.

Shelf and Rod/Open Slide

- Never make a cut that will leave less than 3' (36").
- Never make a cut within 2" of a hook on Open Slide, in order to follow this rule you may need to make 2 cuts.

Linen/Tight-mesh

- Never make a cut that will leave less than a 2' (24") piece of shelving.

If a shelf is to be installed wall to wall, 1" should be deducted from the measurement, otherwise cuts should be exact. A 1/2" deduction is acceptable in order to achieve a proper cut. A **proper cut** is made in the middle of two deck wires. This allows for proper end capping and possible shelf joining.

When possible, cut more than one house at a time.

Other Tips for Minimizing Waste

- Field measure the job, be careful that your take-offs are neat and complete.
- Cut and prepare the shelving closet by closet in your shop, not at the jobsite.
- Follow the remnant management program.
- Bundle each job and/or closet separately and mark the locations on the bundle.
 - Each closet should be wrapped independently and the closet location and house location should be indicated. The number of shelves in each closet should also be indicated.
 - **TIP:** Some companies assign a color to each room in a home (ex: Master Closet is always purple) and use a colored shipping tag to indicate the home location.
 - All closet bundles for a house should be staged together.
- Double check orders before they leave to ensure that no closets or shelves were omitted.

Truck Set-up

To reduce trips back to the shop for materials, the following should always be in stock on the truck:

- Safety stock of shelving and hardware
- Bolt cutters
- Wall patch and Sandpaper
- Templates