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# PG RIB PRODUCT CATALOG

Exposed Fastener Metal Roofing & Siding





## IMPORTANT INFORMATION

PortaGrace Mfg. is committed to being the superior source of metal roofing, siding and trim for residential, commercial, industrial and agricultural markets. Because of this commitment, PortaGrace Mfg. recognizes the responsibility to our customers and we appreciate the need for special attention to detail, as well as the need for maximum manufacturing flexibility to provide the quality, value and performance our customers have come to expect from PortaGrace.

PortaGrace Mfg. is committed to providing every customer quality workmanship, excellent service and satisfaction. We are excited about the opportunity to be your key source for new 29/26 gauge metal roofing & siding panels. We will maintain our reputation of delivering the highest quality products, produced on time, and at competitive prices.

PortaGrace Mfg. is ready to serve you by combining professionalism with an understanding that the finished roofing and siding project must meet and exceed the performance expectations.

**PORTAGRACE MFG. CREATED THIS MANUAL TO BE UTILIZED AS A GUIDE WHEN INSTALLING METAL ROOFING AND SIDING. IT IS THE RESPONSIBILITY OF THE INSTALLER TO ENSURE THE SAFE INSTALLATION OF THIS PRODUCT.**

## ORDERING PANELS

1. We can ship panels up to 45-foot long, but recommend lengths under 36-foot.
2. We cut our panels to exact requested lengths with only a (+/-) 1/8" tolerance.

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## DELIVERY AND SAFETY GUIDELINES

It is the responsibility of the PortaGrace customer to unload material from our delivery truck. The installer will be responsible for providing suitable equipment to unload the material. Heavy duty protective gloves should be worn when handling metal panels and trim products. Bundles may be bulky and heavy and extreme care should be used in the operation of power lifting devices such as cranes and forklifts and always follow the safety instructions provided by the equipment manufacturer.

**IMPORTANT INFORMATION** Boxes and bundles may be bulky and heavy. Improper or unaided lifting of bundles and boxes could result in bodily injury or material damage. PortaGrace Mfg. is not responsible for bodily injuries or material damage due to improper or unaided handling during loading and unloading of materials.

Upon receiving material, the condition of the material should be checked against the load sheet to ensure that all material is accounted for and should also be checked for any damages that may have occurred during shipment. If damages or shortages are found it should be noted on the load sheet at the time of delivery.

## STORAGE AND HANDLING

It is necessary to protect panels from damage caused by moisture, corrosive chemicals or improper handling. Always lift bundle at its center of gravity to avoid damage when unloading. Bundled panels should be inspected for moisture. If moisture is found, the panels should be separated and dried completely. Once dry, carefully restack the panels and cover loosely to allow for ample air circulation to prevent condensation. Whenever possible, the panels should remain bundled until placed at the storage location or job-site. Clean, heavy duty gloves should be worn when handling panels by hand.

**To avoid scratches to the finish, roll panels off the top of the bundle. Never drag the panels across the surface of one another. Carry panels by grasping the edge so that it is vertical to the ground.**

Prolonged storage of sheets in bundles is not recommended. However, if the panels are to be stored for any period of time, extra care must be taken to protect the material from moisture damage. The panels should be stored in a dry place, preferably under a roof. Sheets should be unbundled, stood on end against an interior wall to allow for air circulation. If unable to store sheets in an upright position, the panels should be separated and blocked off the floor with one end slightly elevated to encourage drainage. Stacked sheets should then be completely protected from the elements while maintaining good airflow to prevent condensation. A loose canvas tarp or other similar covering that will allow good air flow is a good protective cover. Do not cover tightly or use plastic as it causes sweating or condensation to occur.

Under no circumstances should the sheets be stored near or come in contact with salt water, corrosive chemicals, ash, or fumes generated or released inside the building or nearby plants, foundries, plating works, kilns, fertilizer, and wet or green lumber.

### IMPORTANT INFORMATION

Failure to follow these steps may result in wet storage stains and premature rusting. The manufacturer's warranty will be void at this time, and the manufacturer will not be responsible for damage to the panels

## DESIGN CONSIDERATIONS

PortaGrace Mfg. metal panels are designed to be installed over open framing and/or directly over a wood substrate (minimum 5/8") with 30# felt moisture barrier. Panels should not be in contact with, or subject to, water runoff from copper, lead or uncoated steel materials. Condensate water from air conditioning units typically contains dissolved copper and should be discharged through a plastic pipe extended beyond the edge of the roof.

## VENTILATION

Proper design and installation of vapor barriers and ventilation systems are important to prevent condensation and the resulting problems of moisture damage and loss of insulation efficiency. Condensation occurs when moisture laden air comes in contact with a surface temperature equal to or below the dew point of the air. These problems are common to all types of construction, not only metal buildings.

Proper venting and air flow consideration and the use of a vapor barrier such as vinyl backed insulation can eliminate this problem. This should reduce the potential of condensation forming on the underside of the panels. On buildings that have an attic space or are being retrofitted with a metal roofing system, vents should be placed at both the eave and peak of the roof in order to prevent a buildup of moisture (humidity) in the attic space.

### IMPORTANT INFORMATION

If left unattended, condensation can cause the premature rusting of the metal and void any applicable warranties.

## CUTTING METAL PANELS

Tin snips, electric or pneumatic shears or a portable profile shear is the preferred tool for cutting steel panels.

The use of a circular saw with a metal cutting blade is not recommended as this will cause the cut edges to be jagged and tend to rust more quickly than sheared edges. Also, saw cutting produces hot metal filings that can embed in the paint and cause rust marks on the face of the panel.

### IMPORTANT INFORMATION

All cut panels must be thoroughly wiped to ensure the removal of all metal filings to prevent rust spots on panels.

# ROOFING INSTALLATION

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## ROOFING INSTALLATION

THE MINIMUM roof slope recommended is 3 inches of rise per foot. All 36" coverage panels are based on 38" sheet widths (coverage width +/- 1/8" tolerance). This ensures that sufficient slope is present for adequate drainage. A quality sealant tape should also be applied at all side laps and end laps to provide maximum weather protection.

The recommended industry standard end lap based on the roof slope is as follows:

UNDER 4 INCHES OF RISE ... 9 INCHES OF LAP  
4-6 INCHES OF RISE ... 6 INCHES OF LAP

To provide a drip edge at the eave, a minimum of 1.5 inches of overhang is recommended.

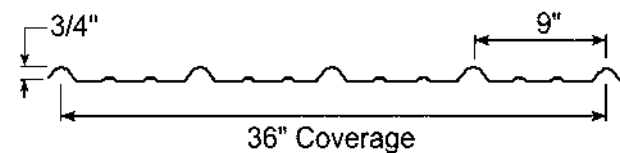
### IMPORTANT INFORMATION

It is important to remember that in the installation of roof sheets, the side laps should face away from the direction of the prevailing wind. The first sheet should be installed square with the eave and at the downwind end of the roof, farthest from the direction of the wind.

Remember to ALWAYS sweep the roof clean of any metal filings created from panel cuts or screw placement to prevent rust marks on the surface of the metal.

Walking on the panels can damage the finish and should be kept to an absolute minimum. When walking on the roof panels is unavoidable, walk only in the flats of the panel NEVER on the ribs as this can damage the panels. Rubber sole shoes should also be worn to avoid scuffing the painted surface.

## PG RIB® PANEL PROFILE




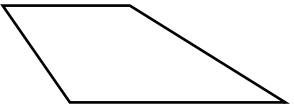



# PG RIB PANEL 29/26 GAUGE TRIM PROFILES

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<b>OUTSIDE CORNERS</b> 	<b>J-CHANNEL TRIM</b> 	<b>DENVER EAVE TRIM</b> 	<b>RIDGE CAP</b> 	<b>3.5X3.5 L-TRIM</b> 
<b>L-TRIM</b> X = 2 1/2" X = 3 1/2" X = 4 1/2" X = 5" X = 5 1/2" X = 6" X = 7 1/4" X = 7 1/2" X = 9 1/4" X = 9 1/2" 	<b>BASE ANGLE (RAT GUARD)</b> 	<b>WAINSCOT FLASHING</b> 	<b>SIDEWALL FLASHING</b> 	<b>DENVER END FLASHING</b> Specify Pitch 
<b>DENVER SIDEWALL FLASHING</b> 	<b>W-VALLEY TRIM</b> 	<b>SQUARE BASE ANGLE</b> 	<b>INSIDE CORNER</b> 	<b>SHINGLE RAKE TRIM</b> 
<b>DENVER GABLE TRIM</b> 	<b>WINDOW DRIP CAP TRIM</b> 	<b>CANNONBALL TRACK COVER</b> 	<b>CANNONBALL DOUBLE TRACK COVER</b> 	<b>OVERHEAD DOOR ADAPTER TRIM</b> X = 7 3/8" X = 7 7/8" X = 9" 
<b>F &amp; J CHANNEL</b> 	<b>F CHANNEL</b> 	<b>DOOR JAMB TRIM</b> 	<b>TRACK DOOR JAMB TRIM</b> 	
<b>GAMBREL TRIM</b> Lower Transition 6 11/16" x 6 11/16" Specify Pitches Upper Specify Pitches 	<b>WIDE RAKE TRIM</b> 	<b>EAVE FLASHING</b> Specify Pitch 	<b>DOOR EDGE CAP</b> 	

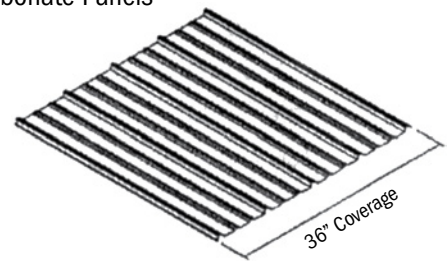


ITEM	PART ID	DESCRIPTION	SIZE	WEIGHT
<b>CLOSURE STRIPS*</b>	CL	Outside Closure Strips  OUTSIDE	1" x 36"	.03 #
	ICL	Inside Closure Strips  INSIDE  Also available in Hi-Rib There is adhesive on the flat side of both the outside and inside closure strips	1" x 36"	.03 #
<b>VENTED CLOSURES*</b>	CLV	Vented Closure Strips   There is adhesive on the flat side of both the outside and inside closure strips	2"x36"	.05 #
<b>FLAT SHEETS</b>	FLS	40 7/8" wide 	10'6" long	22.89 #
<b>CUPOLAS*</b> 	CU24	24"x24" Cupola Roof, Walls, Base		50 #
	CU36	36"x36" Cupola Roof, Walls, Base		55 #
	CU48	48"x48" Cupola Roof, Walls, Base		60 #
	WE24	24" Weathervane		5 #
	WE30	30" Weathervane		5 #
Specify pitch				

\* FOR MORE INFORMATION, SEE FLYER BEHIND ACCESSORIES TAB IN THIS BINDER.

ITEM	PART ID	DESCRIPTION	SIZE	WEIGHT
<b>ROOF JACKS*</b>	RJ3	#3 Roof Jack	¼" - 5"	.50 #
	RJ5	#5 Roof Jack	4¼" - 7½"	.95 #
	RJ8	#8 Roof Jack	7" - 13"	1.55 #
	RJ9	#9 Roof Jack	10" - 18"	2.56 #
<b>RETROFIT ROOF JACKS*</b>	RRJ1	#1 Retrofit Roof Jack (Zip-Up)	¾" - 2¾"	.50 #
	RRJ2	#2 Retrofit Roof Jack (Zip-Up)	2" - 7¼"	.95 #
<b>HIGH TEMPERATURE ROOF JACK</b>	RJ3H	#3 Roof Jack Silicone	¼" - 4"	.75 #
	RJ5H	#5 Roof Jack Silicone	4" - 7"	1.25 #
	RJ8H	#8 Roof Jack Silicone	7" - 13"	1.75 #
	RJ9H	#9 Roof Jack Silicone	10" - 18"	2.89 #

\* FOR MORE INFORMATION, SEE FLYER BEHIND ACCESSORIES TAB IN THIS BINDER.

ITEM	PART ID	DESCRIPTION	SIZE	WEIGHT
<b>REFLECTIVE INSULATION*</b>	I	4' Foil Bubble Bubble Foil	4'x125'	38 #
	ID6F	6' Foil Bubble Bubble Foil	6'x125'	57 #
	IWP	4' Foil Bubble Bubble White Vinyl Polyethylene	4'x125'	38 #
	ID6WP	6' Foil Bubble Bubble White Vinyl Polyethylene	6'x125'	57 #
	IS6WP	6' Foil Bubble White Vinyl Polyethylene	6'x125'	38 #
<b>METAL BUILDING VINYL BACK FIBERGLASS INSULATION</b>	R196	R-19 6" Vinyl Back Fiberglass	4'x50'	164 #
	R103	R-10 3" Vinyl Back Fiberglass	4'x100'	87 #
	R624	R-6 2" Vinyl Back Fiberglass	4'x100'	75 #
	R626	R-6 2" Vinyl Back Fiberglass	6'x100'	125 #
<b>INSULATION TAPE</b>	IT	Foil Tape Roll	125'	1 #
	ITWP	White Tape Roll	125'	1 #
	DST	Double Sided Tape 1½"	180'	1 #
<b>POLYCARBONATE PANELS &amp; RIDGE CAP*</b>	Clear- PCP White- PWP	Polycarbonate Panels  Available in Low Rib Available in White or Clear	12' Long	8 #
	Clear- PRC White- PRCW	Polycarbonate Ridge Cap Available in White or Clear	24' Wide 10'4" Long	5 #

\* FOR MORE INFORMATION, SEE FLYER BEHIND ACCESSORIES TAB IN THIS BINDER.

ITEM	PART ID	DESCRIPTION	SIZE	WEIGHT
<b>TOUCH-UP PAINT</b>	TPM	Touch Up Paint - Spray Can	3.4 oz/ can	1#
	TPP	Touch Up Paint - Pen	.5 oz/pen	
		Spray cans cannot be shipped via Air Touch-up paint available in all colors listed on the color chart		
<b>MAGNETIC SOCKET</b>	N/A	1/4" One Piece		.5 #
	N/A	5/16" One Piece		1#
<b>BUTYL TAPE</b>	BUTYL	3/32" x ½" Butyl Tape	50' Roll	1 #
<b>EMSEAL*</b>	EMSEAL	Expandable Closure (expands to 1½")	13.12' Roll	1 #
<b>RETRO EASE (RE2)*</b>	RE300	Retro Ease (goes over Shingles instead of wood)	300' per box	10 #
<b>CAULKING*</b>	GEOCEL	Geocel 2300 (caulking to match colors of metal)	1 Tube	1 #
<b>TURBO SHEAR</b>	MTSHD	MALCO Turbo Shear HD		5 #

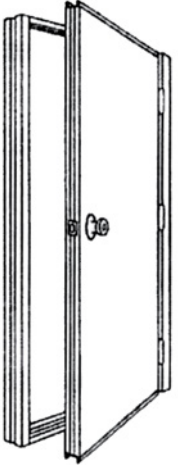
\* FOR MORE INFORMATION, SEE FLYER BEHIND ACCESSORIES TAB IN THIS BINDER.

# MANDOORS

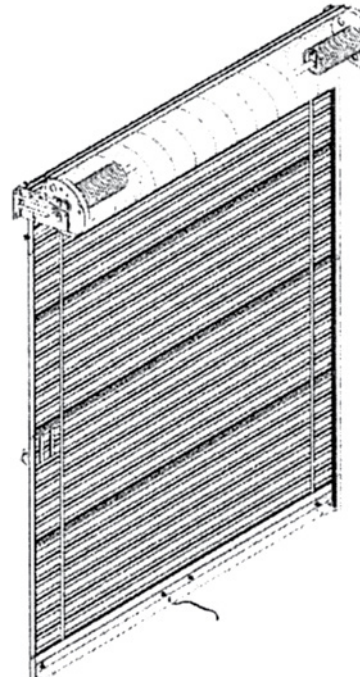
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# ROLLUP DOORS

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ITEM	PART ID	DESCRIPTION	SIZE	WEIGHT
<b>HARVARD MANDOORS*</b>    <b>ALL STEEL FRAME &amp; DOOR</b>  Available in White	HM	Harvard Mandoor	3' x 6'8"	160 #
	HMG	Harvard Mandoor with 9 Lite Glass (Specify Hand)	3' x 6'8"	165 #
	HM4	Harvard Mandoor	4' x 6'8"	215 #
	HM4G	Harvard Mandoor with 9 Lite Glass (Specify Hand)	4' x 6'8"	220 #
	HM6	Double Harvard Mandoor	6' x 6'8"	320 #
	HM6G	Double Harvard Mandoor with 9 Lite Glass (specify Hand)	6' x 6'8"	330 #
<b>PLYCO MANDOORS*</b>  Available in White	P99	PLYCO Economy Series 99E	3' x 6'8"	120 #

\* FOR MORE INFORMATION, SEE FLYER BEHIND UTILITY DOORS TAB IN THIS BINDER.

ROLLUP DOORS*	DESCRIPTION	WEIGHT
  <b>NOTE:</b> 1. Please specify wood, steel or masonry application. 2. Door includes all hardware & track. 3. Optional Pantheon Opener available on all doors. 4. Door color is white, unless otherwise specified. Optional colors are available at an additional charge (shipping time will vary).	4 X 8 Mini Rollup Door	80 #
	6 X 8 Mini Rollup Door	120 #
	8 X 8 Mini Rollup Door	160 #
	9 X 8 Mini Rollup Door	180 #
	10 X 10 Mini Rollup Door	250 #

\* FOR MORE INFORMATION, SEE FLYER BEHIND ROLL UP DOORS TAB IN THIS BINDER.



# FASTENER GUIDE FOR SCREWS

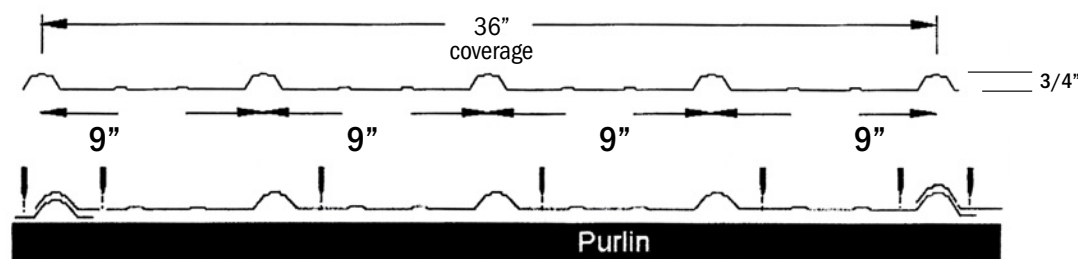
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DESCRIPTION	SIZE	FINISH	APPLICATION	QUANTITY
 Self-Driller (Tek screws)*	1" Long Head Size 5/16"	Painted Or Galvanized	Metal to Metal	Bags of 250 or 500
 Wood Screw*	1" Long 1½" Long 2" Long Head Size 1/4"	Painted Or Galvanized	Wood to Metal	Bags of 250 or 500
 Stitch*	1" Long Head Size 5/16"	Painted Or Galvanized	Light Gauge Metal to Light Gauge Metal	Bags of 250 or 500

Note: We recommend using 1 bag of screws per 100 ft of metal.

\* FOR MORE INFORMATION, SEE FLYER BEHIND ACCESSORIES TAB IN THIS BINDER.

## Typical Screw Pattern



PortaGrace Mfg. recommends the use of painted or galvanized screws as a fastening method for our metal panels. Screws should have a driller tip with a flat rubber washer being careful to apply sufficient torque to seat the washer – do not overdrive the fastener.

The correct screw gun is also important to the proper installation of self-drilling screws. A tool with the appropriate speed and torque settings (as recommended

by the fastener manufacturer) will help prevent fastener thread strip-out and possible damage to the panel or its coating. Bear down only hard enough on the screw gun to engage clutch. This prevents excess friction and burn out of the drill point. Correct pressure will allow the screw to drill and tap without binding.

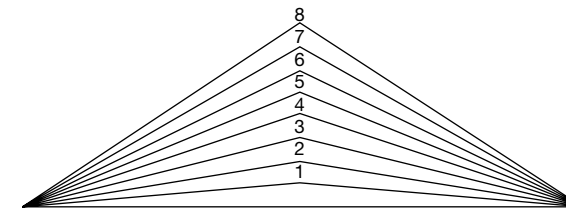
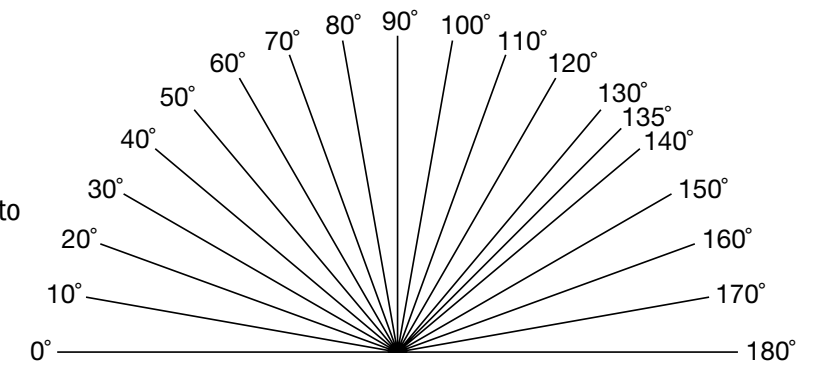
# HOW TO ORDER SPECIAL FLASHING

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## HOW TO ORDER SPECIAL FLASHING

### Order Notes:

1. Always dimension each segment.
2. Always put in degrees of each angle.
3. Always use degrees on inside angle from line to line (never use angle from non-existing line).
4. Always show where color goes on each piece.
5. Calculate girth (flat width).



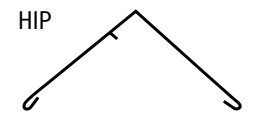
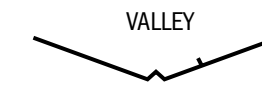
### RIDGE ANGLE

- 1:12 = 170°
- 2:12 = 161°
- 3:12 = 152°
- 4:12 = 143°
- 5:12 = 135°
- 6:12 = 127°
- 7:12 = 120°
- 8:12 = 113°

- 128° 8:12
- 123° 7:12
- 119° 6:12
- 113° 5:12
- 109° 4:12
- 104° 3:12
- 100° 2:12
- 95° 1:12
- 90° FLAT

### EAVE ANGLE

## Angle Chart for Ridge, Valley & Hip



	ROOF SLOPE											
	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12
HIP AND VALLEY	173°	166°	160°	154°	148°	143°	138°	133°	129°	126°	123°	120°
RIDGE	170°	161°	152°	143°	135°	127°	120°	113°	106°	100°	95°	90°



# CLEANING & REPAINTING METAL SURFACES

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## CLEANING PAINTED SURFACES

Factory-applied finishes for hot-dipped galvanized steel sheets are durable and last years longer than ordinary paints. However, a routine, thorough cleaning is recommended.

Metal in some dirt-laden atmospheres, especially for long periods of time, may appear to be discolored or faded and strong sunlight may cause slight chalking. However, a thorough cleaning will generally restore the appearance of the metal and repainting will not be necessary. To maintain a good appearance overall, lightly clean on occasion.

The only regular maintenance necessary to maintain the original finish on metal panels is an annual washing. A mild solution of detergents or ammonia will help remove most dirt. The following are recommended cleaning solutions.

1. One cup of Tide (registered R), or other common detergent, dissolved into five gallons of warm water.
2. One cup of household ammonia dissolved into five gallons of water (room temperature).

Wash the metal with the soap solution and a well soaked cloth, sponge or low pressure spray. (We do not recommend the use of scouring powders or solvents, since these may permanently damage the film.) Once the metal is washed, a thorough rinsing with clear water is necessary to eliminate the possibility of any residue.

## REPAINTING METAL BUILDING PANELS & ROOFS

### A. Surface Preparation

Before any metal panel surface can be repainted, it must be prepared and treated properly to insure continued performance of the coating system. Before the repainting process can begin, the following four problem areas must be addressed:

1. Dirt  
Remove dirt, chalk and loose mildew easily with a common soap solution. Heavier dirt accumulations may require the use of a diluted solution of trisodium phosphate, and excessive mildew may be treated with a diluted solution of common bleach. (NOTE: Never blend cleansers and bleach.) Always rinse the surface thoroughly to remove any of the agents used in the cleaning procedure. We recommend Tide (registered R) detergent at a concentration of one cup for five gallons of water.

### 2. Wax

There may be a layer of factory-applied wax on the surface of the siding. This material is used to protect the siding during transit, and failure to remove this material will result in poor intercoat adhesion, and eventually peeling or flaking. To remove this material, it will be necessary to wipe the surface with a rag saturated with Xylene (Xylol). This industrial solvent will facilitate the removal of the wax and assure maximum adhesion between the substrate and the repainted material.

### 3. Surface Imperfections

Minor scratches, which have not left the metal substrate exposed, can be lightly sanded or buffed to create a smoother surface. Care must be taken, however, not to expose the substrate. Once this exposed condition exists, the likelihood for rusting is greatly increased. Should the metal substrate be observed during this operation, see the following paragraph.

### 4. Exposed Metal and Rust

You must treat exposed metal to prevent rusting. Sand the general area lightly and use a high-quality primer to protect the exposed metal from corrosion. Please allow sufficient dry time between primer and the topcoat. If either red or white rust is evident scrape or brush away as much rust as

possible and then sand lightly, removing all rust before proceeding. Where large areas of rusting or surface imperfections are evident, the relative economy of power brushing or sand-blasting should be considered. Sandblasting with 16-35 mesh sand will provide a commercially clean and well-abraded surface for painting. If such a procedure is undertaken, make certain that all dust from the abrading process is removed before priming the substrate.

### 5. General Surface Condition

The surface to be recoated must be abraded enough to guarantee adequate adhesion. If the baked enamel finish is too smooth, the repaint material will not adhere to it, and it is advisable to test a representative area of the building to evaluate adhesion. If poor adhesion is observed, the surface must be "roughed-up" by sanding (#400 mesh recommended) or power washing. It is imperative, of course, that the enamel finish itself not be removed during this process.

### B. Repainting

After the building has been properly prepared, it must be immediately coated with a direct to metal epoxy primer. After the primer has fully cured apply a compatible topcoat. The primer, and compatible topcoat, may be purchased from any major paint retailer. Follow the manufacturer's instructions for application technique and cure time.

### PRECAUTIONS

THESE FIELD-APPLIED COATINGS AND SOLVENTS ARE FLAMMABLE MATERIALS. Keep away from heat and open flames. Use normal precautions when handling. DO NOT USE ON WET SURFACES. For best results, do not apply when temperature is below 55 (degrees) F or when temperature is abnormally high.

## USE OF AIR DRY TOUCH-UP PAINT

### A. Surface Preparation









The area to be painted needs to be clean, free of dirt, and lightly sanded with #400 mesh sandpaper to assure adhesion. Where bare metal is exposed, sand the general area lightly and use a high-quality primer to protect the exposed metal from corrosion. Allow sufficient time for the primer to thoroughly dry before applying the topcoat.

### B. Painting

1. Brush Touch-up paint is a fast air-dry coating not ideally suited for brushing large areas, but it does work well to "spot paint". Use the paint as you would any other brushed coating, always working quickly to smooth out brush marks before the coating dries. Lacquer thinner will clean brushes and other tools.
2. Aerosol Spray Agitate and mix aerosol spray as directed on the back of the can. Apply multiple light coats of paint, allowing one-minute intervals between coats, until the desired hiding and color are achieved.

# SLIDING DOOR COMPONENTS

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	CLC	<b>CENTER LATCH WITH 17" CHAIN</b>
		Secures bi-parting doors Sliding chain provides maximum security
	JL7	<b>JAMB LATCH (7")</b>
		7" Hook pulls door securely against jamb with a cam action
	DPW	<b>DOOR PULL (white)</b>
		Large design 1-3/4" W x 6-5/8"L White poly coated 1000 Spray Hours
	SH	<b>SHORT HANGERS</b>
		Used for mounting track system without cover
	LH	<b>LONG HANGERS</b>
		Used for mounting with standard cover trim Use one support for every 2' of track cover
	DTB	<b>DOUBLE TRACK BRACKET WITH LONG HANGER</b>
		A heavy duty bracket that allows for a double mounted track Use one bracket for every 2' of track cover
	SPLC	<b>SPLICE COLLAR</b>
		Enables splicing of multiple track sections with perfect alignment
	TREC	<b>TRACK END CAP</b>
		Adds a finished look to track system creating a bird-proof barrier Includes a set of 2 caps

# SLIDING DOOR COMPONENTS

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## ADJUSTABLE DOOR STOP (white)

ADSW

Adjustable design for multiple positions  
White poly coated  
1000 salt spray hours



## GUIDE RAIL WITH BRACKET (6')

GRB6

Holds sliding door close to building using bottom rail system



## OFFSET ADJUSTABLE STAY ROLLER

OASR

Galvanized steel bracket  
3 mounting slots for adjustment  
Delrin guide wheel



## TROLLEY SET (9.5")

TS9

Derlin 4-way adjustable trolley  
Includes 9-1/2" offset bolt  
Includes a set of 2



## SLIDING DOOR TRACK

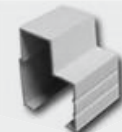
8', 10' 12' 14' 16', 18', 20'  
14 Gauge Steel  
Round key slot design for easy mounting every 2' with mounting brackets  
Splice collars lock track sections together in perfect alignment  
End caps provide bird proofing  
Round design is self-cleaning and allows for easy opening of doors



## SLIDING DOOR FRAME RAILS (1.5" wide)

### Bottom Box Rail

8', 10' 12' 14' 16'



### Vertical Side Rail (male)

8', 10' 12' 14' 16'



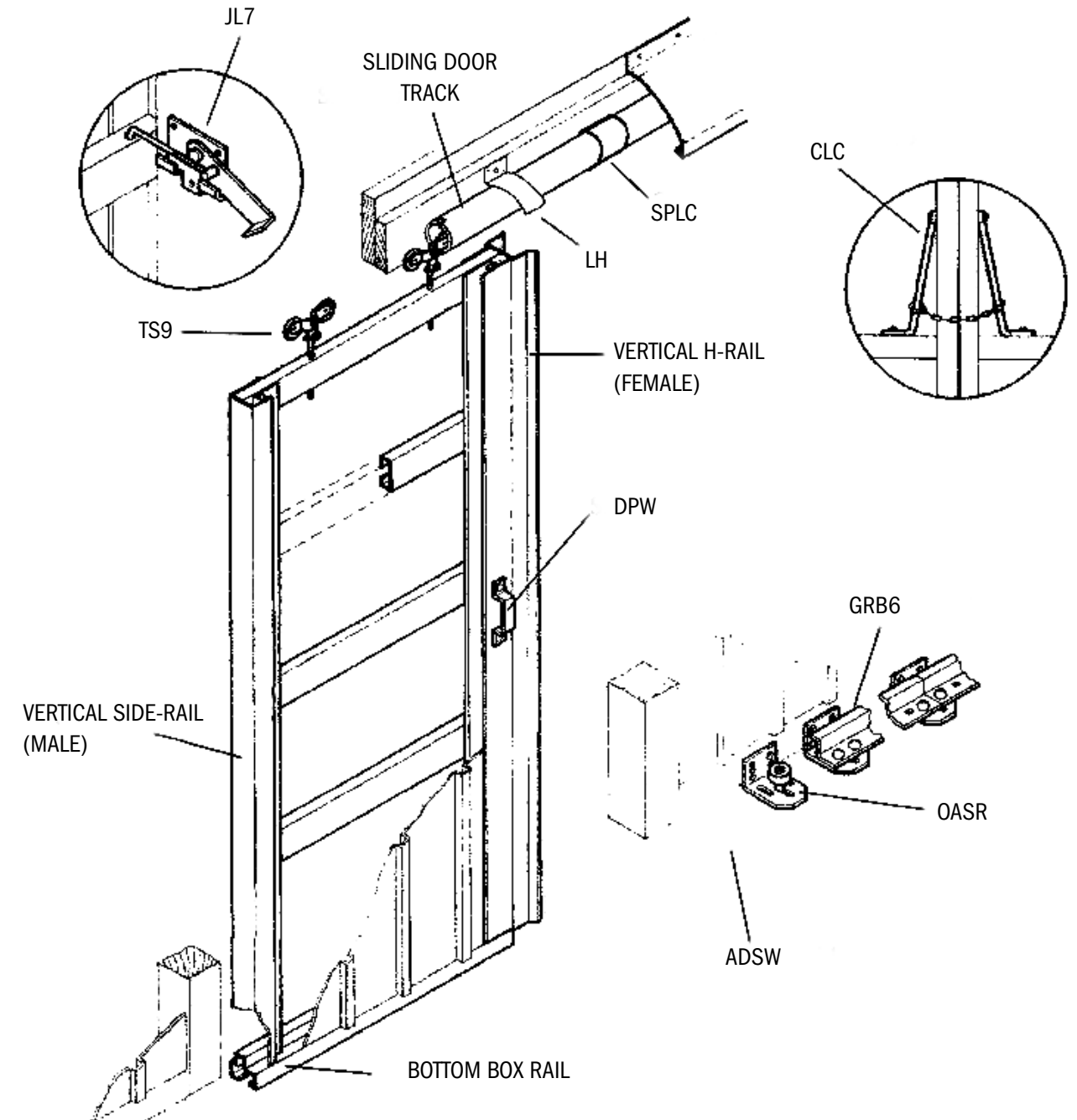
### Vertical H-Rail (female)

8', 10' 12' 14' 16'



# SLIDING DOOR & TRACK COMPONENTS

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# SINGLE SLIDING DOOR KITS

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## SINGLE SLIDING DOOR KITS

OPENING SIZE (W X H)	TRACK Pcs. Length	Splice Collar	END CAPS (Pair)	LONG HANGERS	TROLLY SETS (9.5") (Pair)	DOOR PULL	OFF-SET ADJ. STAY ROLLERS	ADJ. DOOR STOP	JAMB LATCH (7")
10 X 10	2	10	1	11	1	1	1	2	2
12 X 10	2	12	1	13	1	1	1	2	2
14 X 10	2	14	1	15	2	1	1	2	2
16 X 10	2	16	1	17	2	1	1	2	2
10 X 12	2	10	1	11	1	1	1	2	2
12 X 12	2	12	1	13	1	1	1	2	2
14 X 12	2	14	1	15	2	1	1	2	2
16 X 12	2	16	1	17	2	1	1	2	2
10 X 14	2	10	1	11	1	1	1	2	2
12 X 14	2	14	1	13	1	1	1	2	2
14 X 14	2	14	1	15	2	1	1	2	2
16 X 14	2	16	1	17	2	1	1	2	2

NOTE: Above does not include track cover

## KWIK FRAME SETS

MALE Pcs. Length	BOTTOM Pcs. Length		
2	10	1	10
2	10	1	12
2	10	1	14
2	10	1	16
2	12	1	10
2	12	1	12
2	12	1	14
2	12	1	16
2	14	1	10
2	14	1	12
2	14	1	14
2	14	1	16

# DOUBLE SLIDING DOOR KITS

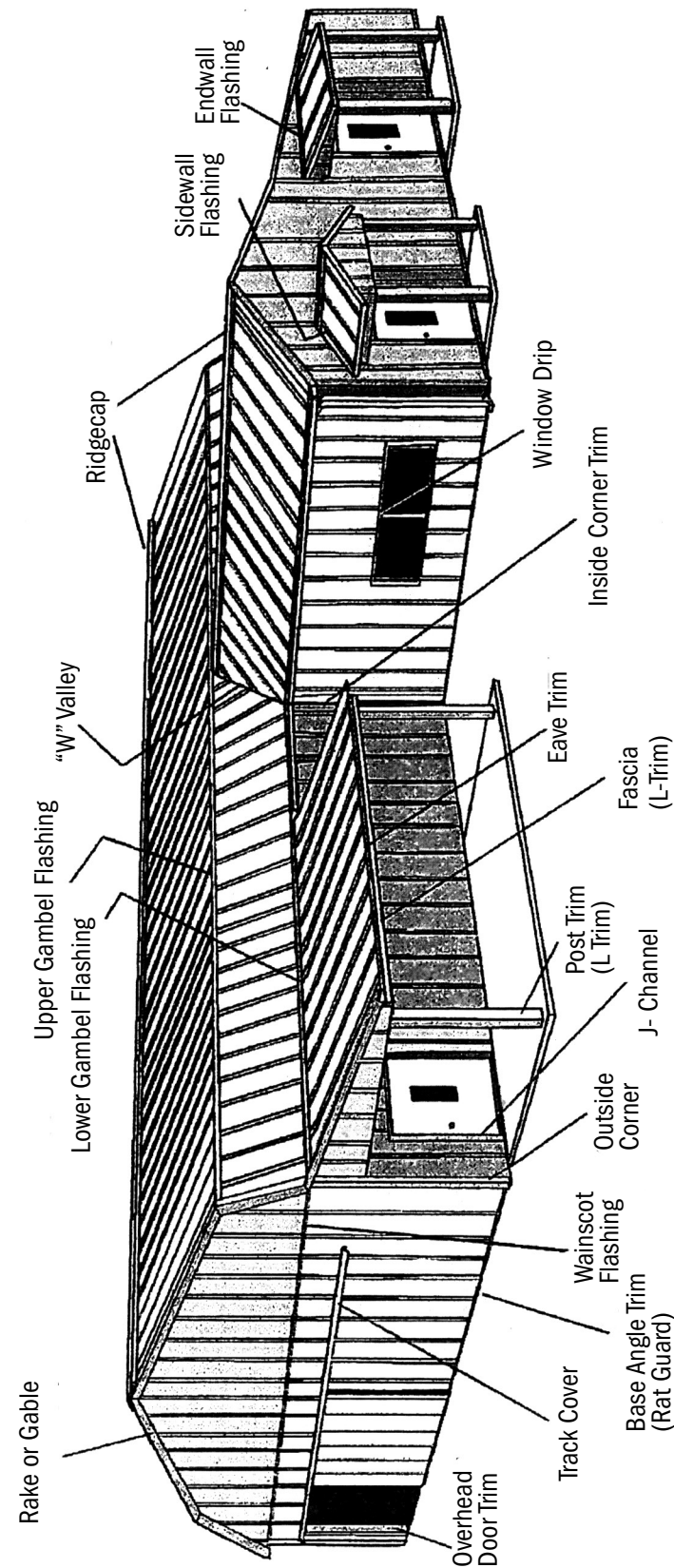
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## DOUBLE SLIDING DOOR KITS

OPENING SIZE (W X H)	TRACK Pcs. Length	Splice Collar	END CAPS (Pair)	LONG HANGERS	TROLLY SETS (9.5") (Pair)	DOOR PULL	OFF-SET ADJ. STAY ROLLERS	ADJ. DOOR STOP	JAMB LATCH (7")
10 X 10	2	10	2	12	2	2	2	2	3
12 X 10	2	12	2	14	2	2	2	2	3
14 X 10	2	14	2	16	2	2	2	2	3
16 X 10	2	16	2	18	2	2	2	2	3
20 X 10	2	20	2	22	2	2	2	2	3
10 X 12	2	10	2	12	2	2	2	2	3
12 X 12	2	12	2	14	2	2	2	2	3
14 X 12	2	14	2	16	2	2	2	2	3
16 X 12	2	16	2	18	2	2	2	2	3
20 X 12	2	20	2	22	2	2	2	2	3
10 X 14	2	10	2	12	2	2	2	2	3
12 X 14	2	12	2	14	2	2	2	2	3
14 X 14	2	14	2	16	2	2	2	2	3
16 X 14	2	16	2	18	2	2	2	2	3
20 X 14	2	20	2	22	2	2	2	2	3

## KWIK FRAME SETS

MALE Pcs. Length	BOTTOM Pcs. Length	FEMALE Pcs. Length			
3	10	1	10	1	10
3	10	1	12	1	10
3	10	1	14	1	10
3	10	1	16	1	10
3	10	2	10	1	10
3	12	1	10	1	12
3	12	1	12	1	12
3	12	1	14	1	12
3	12	1	16	1	12
3	12	2	10	1	12
3	14	1	10	1	14
3	14	1	12	1	14
3	14	1	14	1	14
3	14	1	16	1	14
3	14	2	10	1	14



**PG RIB PANEL**



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**Post Frame Building Estimate Worksheet**



Company Name: \_\_\_\_\_ Location: \_\_\_\_\_ Date: \_\_\_\_\_  
 Contact: \_\_\_\_\_ Phone #: ( ) \_\_\_\_\_ Fax #: ( ) \_\_\_\_\_  
 Job Name: \_\_\_\_\_

Building Size: \_\_\_\_\_ X \_\_\_\_\_ Eave Height: \_\_\_\_\_ Roof Pitch: \_\_\_\_\_ : 12  
Width Length Sidewall

Overhang: Eave: \_\_\_\_\_ Gable: \_\_\_\_\_ One-piece Soffitt / Facia Trim: Y or N

Insulated: Y or N Thickness: 2" 3" 4" or other \_\_\_\_\_

Windows: Quantity: \_\_\_\_\_ Size: \_\_\_\_\_ Service Doors: Quantity: \_\_\_\_\_ Size: \_\_\_\_\_  
 Quantity: \_\_\_\_\_ Size: \_\_\_\_\_ Quantity: \_\_\_\_\_ Size: \_\_\_\_\_

**Door Openings:**

Size: \_\_\_\_\_ with: \_\_\_\_\_ Opening(s) only \_\_\_\_\_ w/sliding door \_\_\_\_\_ w/double sliding door  
(W x H) Qty. Qty. Qty. Qty.  
 Size: \_\_\_\_\_ with: \_\_\_\_\_ Opening(s) only \_\_\_\_\_ w/sliding door \_\_\_\_\_ w/double sliding door  
(W x H) Qty. Qty. Qty. Qty.

\* Overhead Doors Available

Kwik-Frames: Y or N

Metal Specified: Roof: \_\_\_\_\_ G-lume or \_\_\_\_\_ Painted: #1 #2 Economy  
(Circle One)  
 Walls: \_\_\_\_\_ G-lume or \_\_\_\_\_ Painted: #1 #2 Economy  
(Circle One)

Building Drawing (if needed): \_\_\_\_\_

Additional Information: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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 Website: www.portagrace.com

Toll-Free: 1-800-458-3464  
 Phone: 270-886-7351  
 Fax: 270-886-7544

<b>For Office Use Only</b>	
Receiving Branch _____	Received in Estimating: ____/____/____
Date To Estimating: ____/____/____ To Customer: ____/____/____	Quote # _____
By: _____	By: _____







# **PORTAGRACE**

## **MANUFACTURING**

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