



Buyer's Handbook

ISO 9001:2000



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INDEX

PolyBilt Body Company Introduction	Page 3
Shipping and Handling	Page 3
Installation of Body	Page 3
Maintenance of Body	Page 4
Steel Flex™ Subframe	Page 5
Integral Subframe	Page 6
Installation of Components	Page 7
Installation of Hand Rails	Page 7
Installation of Diamond Plate Compartment Tops	Page 7
Installation of Folding Steps	Page 8
Installation of Lights	Page 8
Installation of Diamond Plate Overlays	Page 8
Installation of Light Stanchions	Page 8
Installation of Hose Bed Liner and Stainless Steel Trim Plate	Page 9
Installation of Grab Handles	Page 9
Installation of Roll-Up Doors	Page 10
General Paint Instructions	Page 12
PolyBilt Contacts	Page 13
Picture Gallery	Page 14



Congratulations on your purchase of a Polyprene® truck body from PolyBilt Body Company, LLC. We are confident that you will be excited with the performance of your new truck body and that it will provide years of trouble free service.

This handbook will give you an overview of the truck body. We encourage you to read it carefully before installing the truck body. Additionally, please visit our web site at www.polybilt.com. You may also contact us at (800) 864-3817 for additional assistance.

SHIPPING & HANDLING

If your truck body has been shipped to you by flat bed truck, you will be able to unload the body using an overhead crane. If the body has an integrated tank, the tank is equipped with eyebolts installed in the lifting pegs for use in installation. The eyebolts are rated at 1500 pounds each. Your lifting device should be connected to the eyebolts with a “sling” which has a minimum angle of 45 degrees. Do not lift the body without properly fastening the sling to a minimum of four different lifting pegs. Damage may occur otherwise.

INSTALLATION OF BODY

The PolyBilt Body must be installed on the Steel Flex™ Subframe: an independent subframe constructed from minimum 3” x 1.5” square steel tubing. The Steel Flex subframe must have outrigger arms fastened to the bottom of the body compartmentation with a minimum of 15” distance between each arm. The subframe shall be fastened to the chassis by means of a spring loaded connection which must contain a dual bracket mounting system. This bracket system shall be fastened to the chassis and subframe; thus allowing up and down shifting while preventing forward and aft movement.

Unless otherwise specified, the body and tank must be isolated from the subframe of the vehicle through the use of rubber strips with a minimum thickness of .25”, 60 Durometer.

The tank section of the unit shall rest on the subframe made from 3” x 1.5” steel square tubing spaced at a distance that would not allow for more than 400 square inches of unsupported area under the tank floor.



INSTALLATION OF BODY- Continued

The tank and truck body must be supported around the entire bottom perimeter and supported both front and rear, as well as side to side, to prevent the tank from shifting during vehicle operation. This can be accomplished through subframe outrigger arms which support the tank/body compartments and/or traditional polymer tank cradle. Compartments over 40" must be supported by two cross braces on the outriggers.

Unless otherwise specified, a picture frame type cradle mount shall be utilized in each section of the tank/body where there is no outrigger arm. The cradle shall be constructed from a minimum 3" x 1.5" x .25" steel or aluminum angle. Where possible, the use of vertical corner angles having a minimum dimension of 4" x 4" x .25" thick by 6" high are permitted for cradling the tank.

Body floor mounting blocks are required to minimize movement of the tank/body during vehicle operation. The restraints are located in the tank floor and shall be bolted to the subframe tubing.

Hose floor loading must support 200 pounds per square foot. Equipment such as generators and pumps must not be mounted directly to the tank top unless accessory mounting pads have been provided by PolyBilt® in advance.

All tank connections must be of flexible design.

Do not drill holes or install fasteners on the tank surface without first obtaining approval from PolyBilt®. For more specific and complete mounting instructions please see the engineering specifications beginning on page 5.

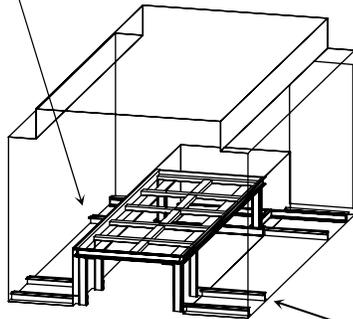
MAINTENANCE OF BODY

Your truck body is manufactured with tough, state-of-the art, Polyprene, a special blend of thermoplastic which will give you years of trouble free service. Polyprene will never rust or corrode; it also resists cracks, dents and dings. You can keep your Polyprene material looking factory fresh by washing the body periodically with a simple soap solution with mild detergent. If you develop any oil based smears or smudges on the inside of the body compartment walls use a small amount of oil based cleaner to wipe clean. Wipe thoroughly with a mild soap and water solution.

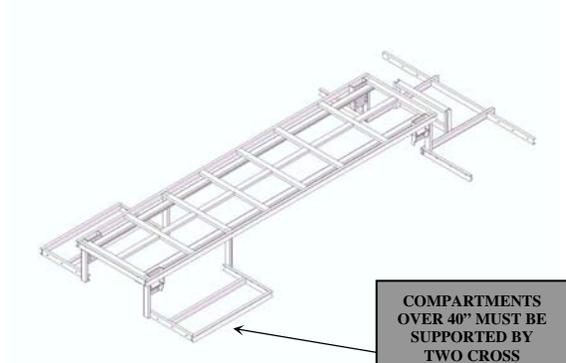


STANDARD STYLE STEEL FLEX™ SUBFRAME

1/4" RUBBER ISOLATOR STRIPS BETWEEN TANK & SUBFRAME



POLYPRENE ANGLE BODY MOUNT

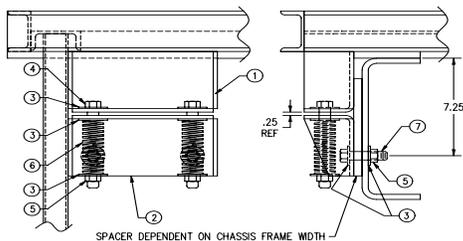


COMPARTMENTS OVER 40" MUST BE SUPPORTED BY TWO CROSS BRACES

SUBFRAME MOUNT TO CHASSIS FRAME

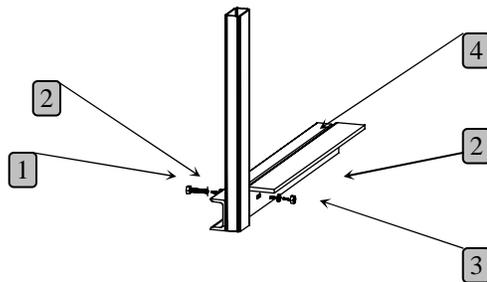
SIDE VIEW

END VIEW



SPACER DEPENDENT ON CHASSIS FRAME WIDTH
ASSEMBLY NOTE: PRELOAD SPRING 3/16"

POLYPRENE ANGLE BODY MOUNT

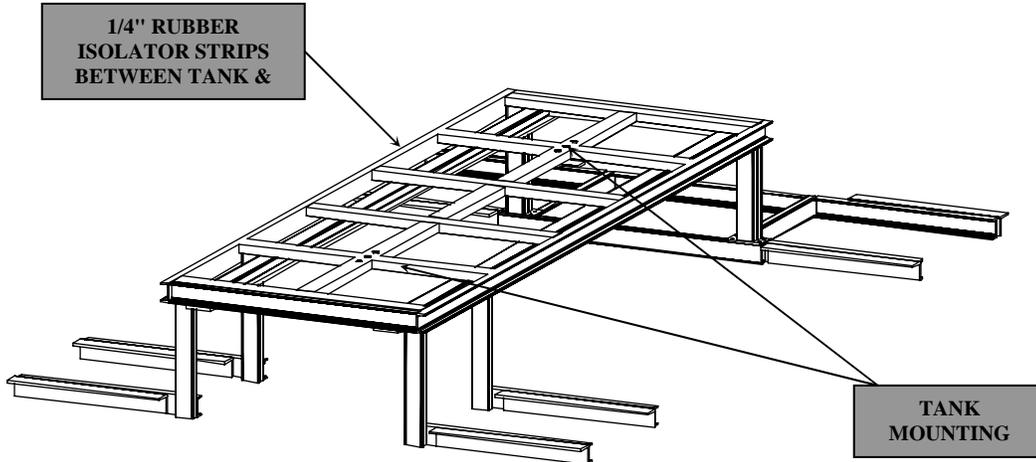


REP. NO.	DESCRIPTION
1	Subframe
2	Subframe Lower Bracket
3	Flat Washer 5/8"
4	Hex Head Cap Screws 5/8" x 6"Lg
5	Lock Nut 5/8"-11
6	Chrome Vanadium Spring
7	Hex Head Cap Screws 5/8" x 2-1/2"Lg

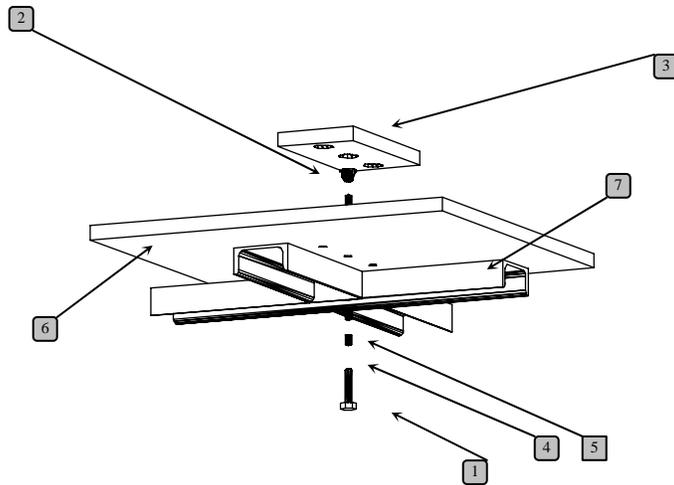
REP. NO.	DESCRIPTION
1	Hex Head Cap Screws 3/8" x 1-1/2"Lg
2	Flat Washer 3/8"
3	Nylon Insert Lock Nut 3/8"
4	Closed Cell Foam Adhesive Tape 1" x 1/2"



INTEGRAL TANK STYLE SUBFRAME



INTEGRAL TANK MOUNT

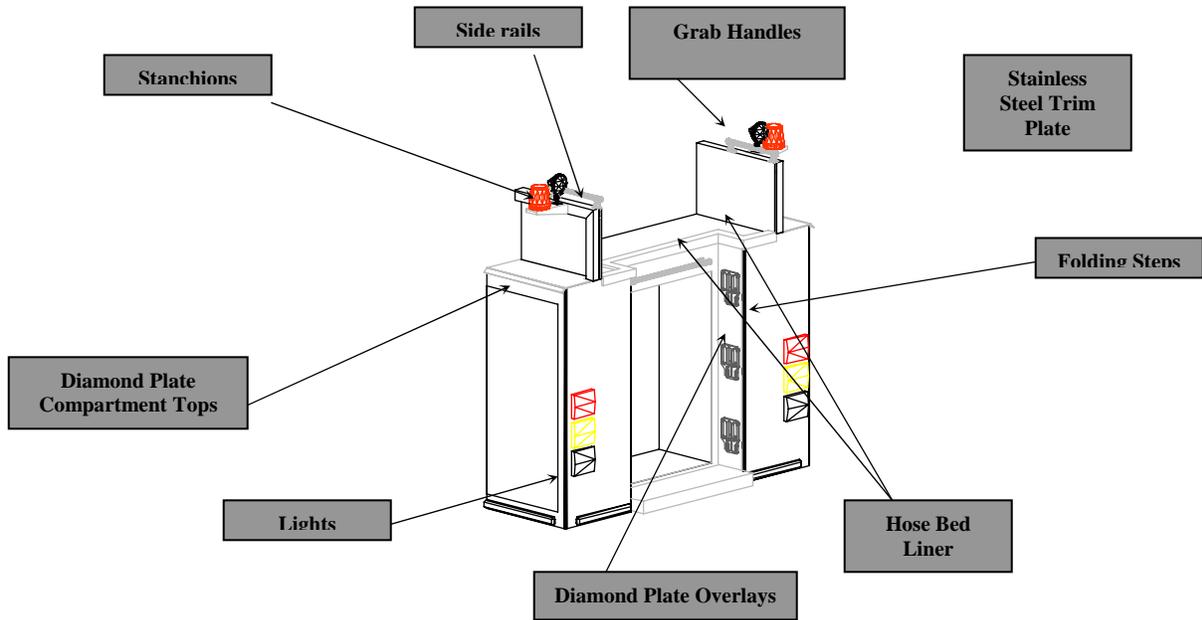


REP. NO.	DESCRIPTION
1	Hex Head Cap Screws 3/8" x 1-1/2"Lg Grade 8
2	Stainless Steel Tee Nut 3/8"
3	Inside Tank Cover Plate
4	Flat Washer 3/8"
5	Rubber Reinforced Pad 2" x 2" x 1/4"
6	Bottom of Tank
7	Subframe



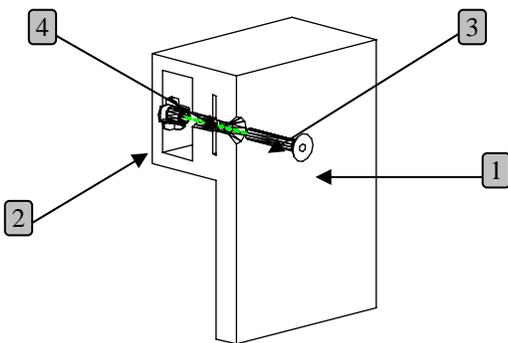
INSTALLATION OF COMPONENTS

Full View

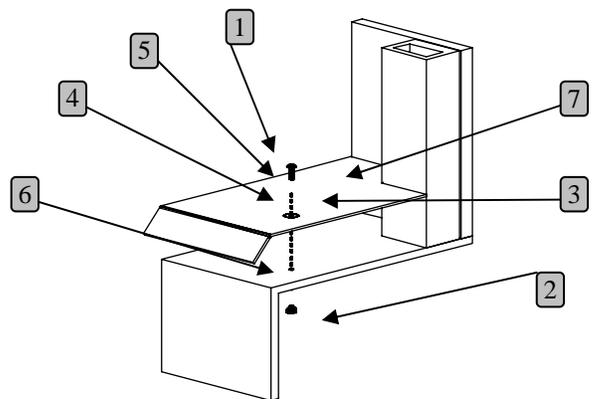


Side Rails

Tops



Diamond Plate Compartment



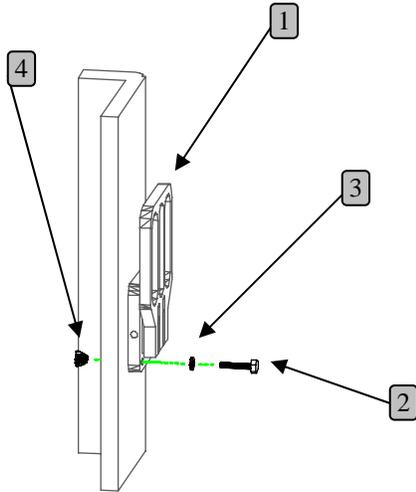
REP. NO.	DESCRIPTION
1	Flat Head Socket Cap Screw 5/16"-18 x 2"Lg
2	Stainless Steel Tee Nut 5/16" x 1/2" (3/8"Hole)
3	Countersink for Flush Head
4	Closed Cell Foam Adhesive Tape 1" x 1/4"

REP. NO.	DESCRIPTION
1	Machine Screw Round Head Phillips 1/4"-20 x 5/8"Lg
2	Stainless Steel Tee Nut 1/4"-20 (5/16"Hole)
3	Oversize Hole 5/16" DIA
4	Spot Face 3/4" DIA
5	Silicon Threads to Seal out Water
6	Silicon Bead Around Hole to Seal out Water
7	Diamond Plate



INSTALLATION OF COMPONENTS-Continued

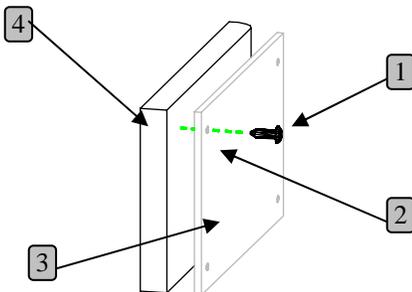
FOLDING STEPS



REP. NO.	DESCRIPTION
1	Folding Step
2	Hex Head Cap Screws 5/16"-18 (Length May Vary)
2*	Carriage Bolt
3	Flat Washer 5/16"
4	Stainless Steel Tee Nut 5/16"x 1/2" (3/8"Hole)
4*	Flat Washer 5/16"
4*	Nylon Insert Lock Nut 5/16"-18

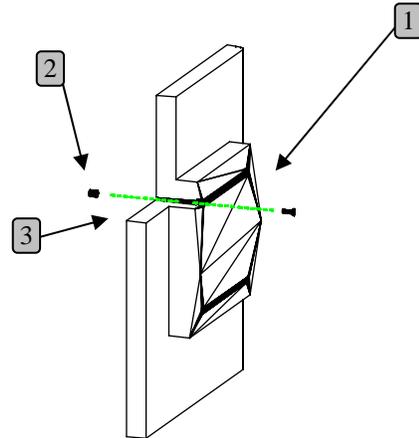
*If it does not have to be a flush surface or if it is not a blind mounting.

DIAMOND PLATE OVERLAYS



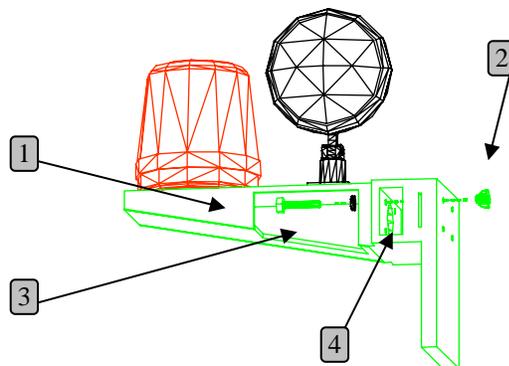
REP. NO.	DESCRIPTION
1	Pan Head Phillips Screw #10 x 3/4"Lg
2	Clearance Hole 1/4" DIA
3	Diamond Plate
4	Body

LIGHTS



REP. NO.	DESCRIPTION
1	Pan Head Phillips #10-24 (Length May Vary)
2	Brass Insert #10-24
3	1/4" Hole for Mounting

STANCHIONS

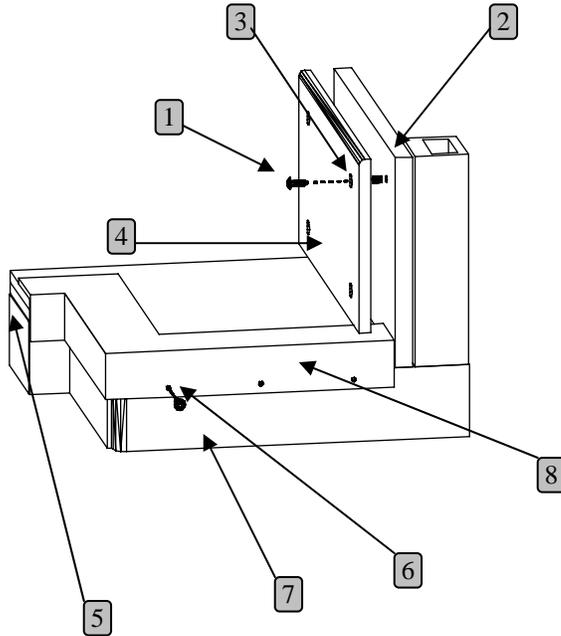


REP. NO.	DESCRIPTION
1	Hex Head Cap Screw 1/4"-20 x 3-1/2"Lg
2	Stainless Steel Tee Nut 1/4"-20 (5/16"Hole)
3	Flat Washer 1/4"
4	Hole for Electrical Wiring 3/4" DIA



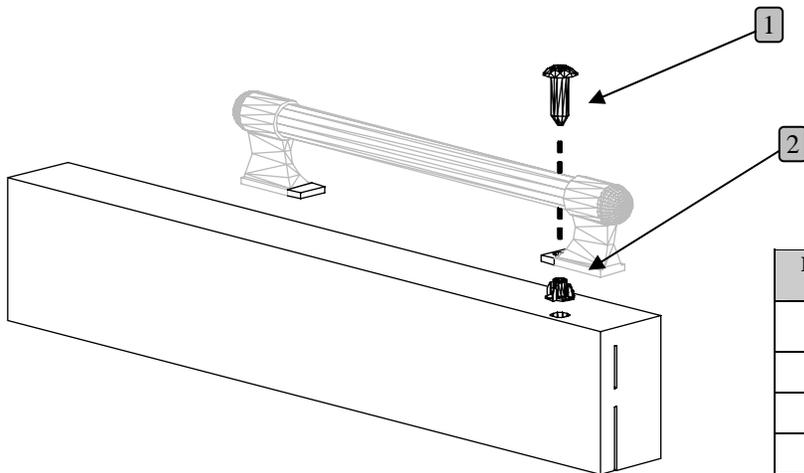
INSTALLATION OF COMPONENTS-Continued

HOSE BED LINER & STAINLESS STEEL TRIM PLATE



REP. NO.	DESCRIPTION
1	#10 Sheet Metal Screw x 3/4"Lg
2	1/8" Hole in side wall for screw threads
3	Spot Face 1/2" DIA x 1/8" Deep & Hole 1/4" DIA
4	Hose Bed Liner
5	Hose Bed Floor
6	Pan Head Phillips Screw #10 x 3/4"Lg
7	Clearance Hole 3/16" DIA
8	Stainless Steel Trim Plate

GRAB HANDLES

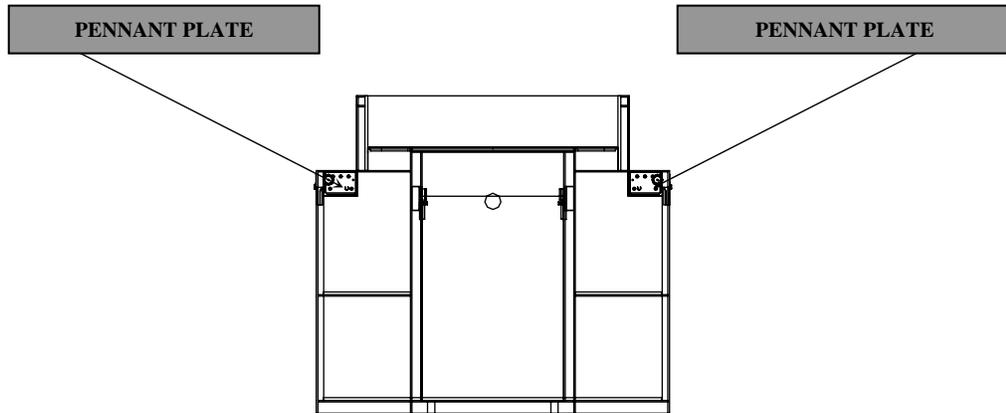


REP. NO.	DESCRIPTION
1	Machine Screw Round Head Phillips 1/4"-20 (Length May Vary)
2	Stainless Steel Tee Nut 1/4"-20 (5/16"Hole)
2*	Flat Washer 1/4"
2*	Nylon Insert Lock Nut 1/4"

* If it doesn't have to be a flush surface or if it is not a blind mounting

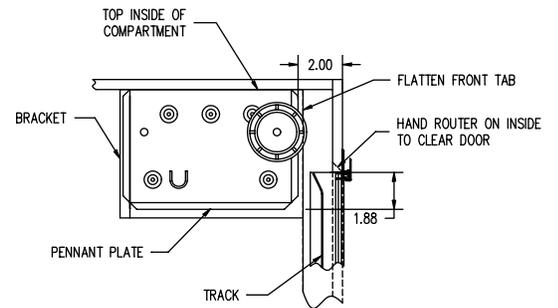
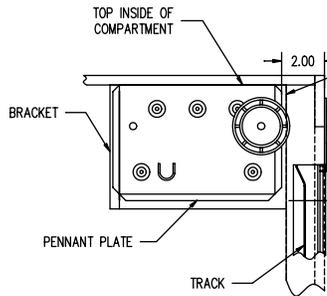
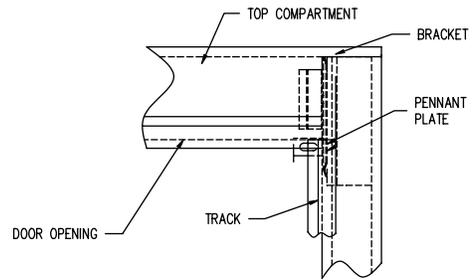
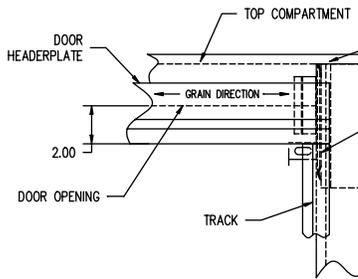


INSTALLATION OF ROLL UP DOORS



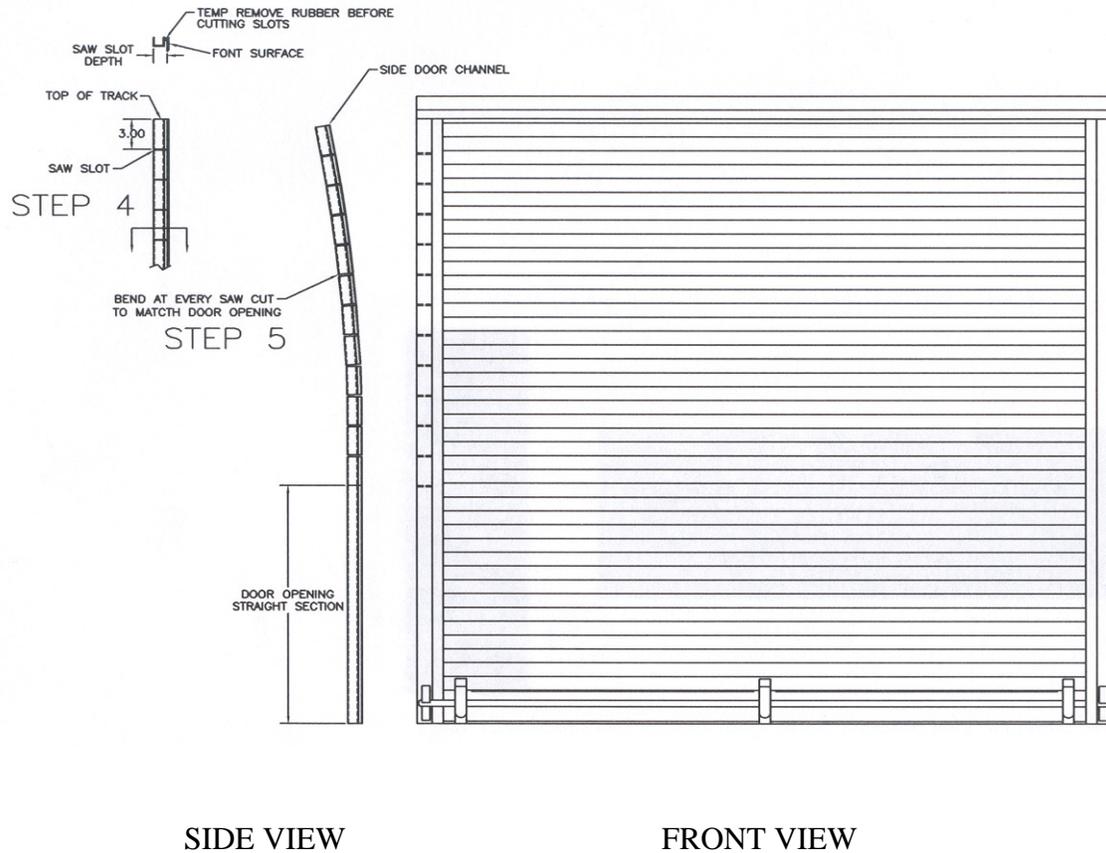
PENNANT PLATE WITH HEADER PLATE

PENNANT PLATE WITHOUT HEADER PLATE





INSTALLATION OF ROLL UP DOORS - Continued



Rework as Follows:

1. Determine the approximate straight section of the door opening. Mark the door channel.
2. From this mark, measure every three (3) inches and mark the back side of the channel.
3. Remove the rubber seal from its groove.
4. Saw cut from the back side at every 3" mark as shown. Replace the seal.
5. Hand bend at every saw cut to match the door opening radius.
6. Fasten with screws.



GENERAL PAINT INSTRUCTIONS

It is suggested that you contact your local DuPont Representative for specific plastic paint instructions.

Use your favorite paint and refer to the specific plastic paint instructions from the paint manufacturer.

SURFACE PREPARATION

Cleaning:

1. Wash entire area to be painted with soap and water.
2. Wash with Plastic Prep.

Panel Finishing:

1. Grind seams with 80 grit paper.
2. Sand seams and remainder of area to be painted with 180 grit paper.
3. Final wipe with Plastic Prep.
4. Apply (2) medium wet coats of Adhesion Promoter for Plastics.
5. Prime with Primer-Filler with Flexible Additive for plastics. Apply (4) coats.
6. Fill imperfections with a metal glaze (not more than 1/8" thick).
7. Finish sand with 400 grit paper.
8. Reprime as needed.
9. Seal with a Premier Sealer or recommended color.

CHROMABASE BASE COAT APPLICATION

1. Apply according to your base coat application instructions.

CHROMACLEAR CLEAR COAT APPLICATION

1. Apply according to your clear coat application instructions.



PolyBilt Body Company Contacts

Inside Sales/Customer Service

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The PolyBilt Badger



The PolyBilt EllipTPak



The PolyBilt JakPak



The PolyBilt PolyPak



The PolyBilt RescuPak



The PolyBilt StakPak



The PolyBilt TankR Pak



The PolyBilt Custom Pumper



PolyBilt Custom Bodies