

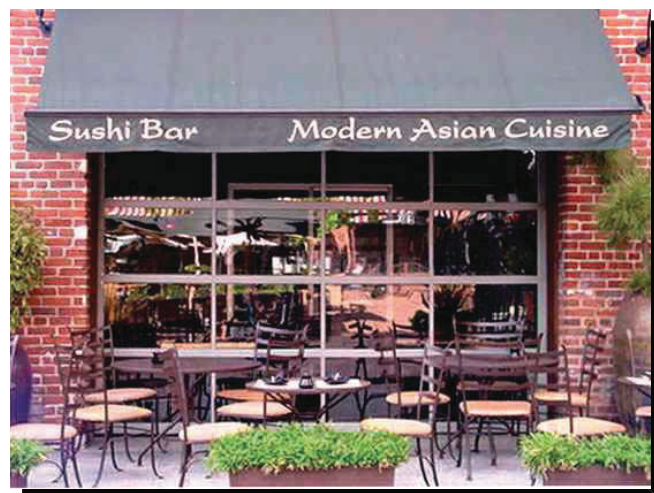
# bp Glass Garage Doors

## The Architects' Choice:

- Insulated Frames & Glass (Pat.)
- Energy Code & Hurricane Rated
- Factory Direct Shipping (US & Intl.)
- Stainless Steel Hardware & Rollers
- Custom Designs, Finishes, Glazing
- Custom Tapered/Sloped Sections

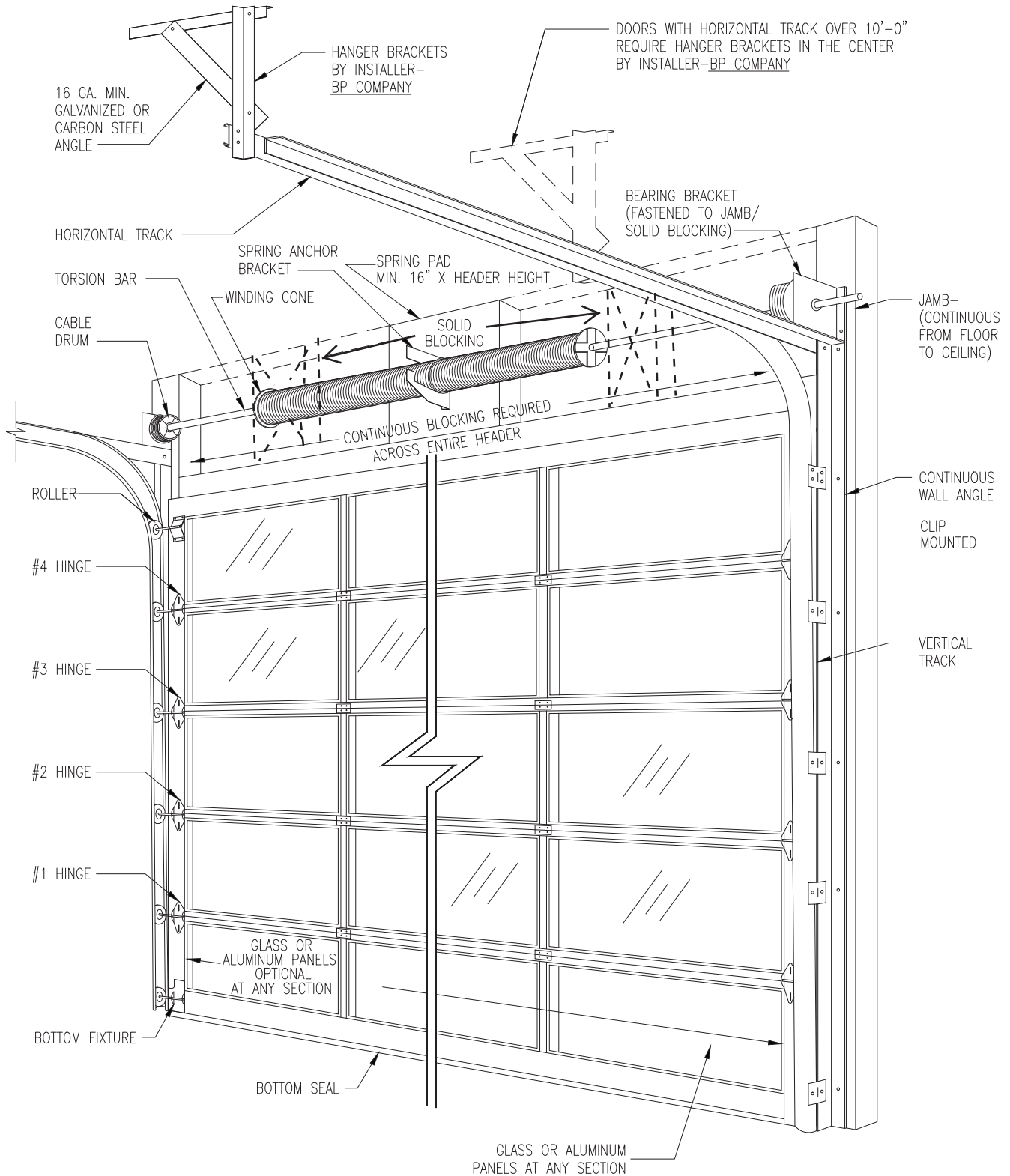
TOLL FREE:

**877-442-1716**



TF: 877-442-1716  
[www.GlassGarageDoors.com](http://www.GlassGarageDoors.com)

1511 W. 2nd St., Pomona, CA 91766  
Email: [service@glassgaragedoors.com](mailto:service@glassgaragedoors.com)



**CRITICAL REQUIREMENTS:**

1. THE INTERIOR FACE OF THE JAMBS AND ENTIRE HEADER (STRUCTURALLY OR COSMETICALLY FINISHED), MUST BE LOCATED ON THE SAME VERTICAL PLANE (FLUSH WITH EACH OTHER); FROM FLOOR TO CEILING. THIS INCLUDES FINISHES SUCH AS DRYWALL, TRIM, MOLDINGS, ETC., WHICH COULD INTERFERE WITH THE DOOR OPERATION. VERIFY THE INTERIOR AND EXTERIOR FINISHES WORK TOGETHER, AS SHOWN ON DRAWINGS 1-5; HEREIN.
2. THE INTERIOR FACE OF THE JAMBS, AND ENTIRE HEADER SHOWN BELOW (INCLUDING THE HORIZONTAL TRACK AREA, WHICH IS USED AS PART OF THE REQUIRED OPERATIONAL AIR SPACE), MUST BE KEPT CLEAR OF ANY: CONDUITS, PLUMBING LINES, HVAC, OR OTHER ITEMS, THAT CAN INTERFERE WITH THE DOOR OPERATION.
3. GARAGE DOORS ARE TYPICALLY FABRICATED 1"-2" LARGER THAN THE NET FINISHED OPENING, THEREFORE, WILL ONLY OPERATE AND ARTICULATE; ON THE INTERIOR FACE OF THE JAMBS, AND HEADER.

**INTERIOR ELEVATION**



Glass Garage Doors

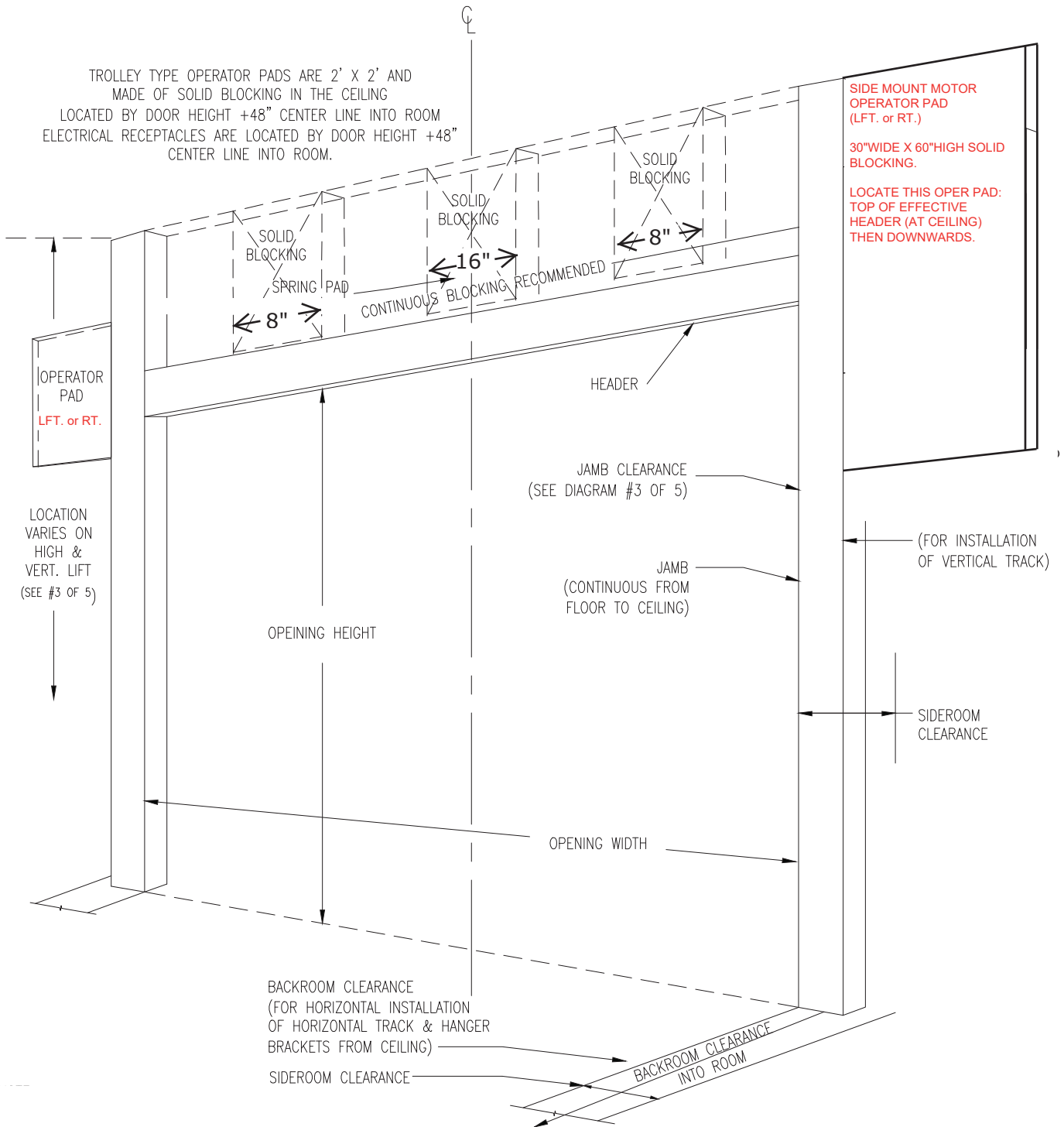
(877) 442-1716

[www.GlassGarageDoors.com](http://www.GlassGarageDoors.com)

DRAWING  
1 Of 5

**CRITICAL REQUIREMENTS:**

- THE TRACKS AND RELATED HARDWARE, MUST ONLY BE MOUNTED TO THE APPROVED JAMB & HEADER TYPES; PER EXAMPLES: 1-5. THIS WOULD EXCLUDE MOUNTING TO BRITTLE, OR UNEVEN TYPES OF FINISH MATERIALS, SUCH AS: TILE, MARBLE, STACKED STONE, VENEERS, TRIM MOULDING, ETC..
- HAVE THE AREA CLEAR OF ALL DEBRIS, VEHICLES, BUILDING MATERIALS, ETC., SO THE INSTALLATION CREWS MAY HAVE ACCESS TO CLEAR AND SOLID FLOORING, DEPLOY USE LADDERS, SCISSOR LIFTS, OR OTHER EQUIPMENT, TO EFFECT THE INSTALLATION IN A PROFESSIONAL MANNER.



**CRITICAL REQUIREMENTS:**

- THE INTERIOR / EXTERIOR FRAMING; (INCLUDING FINISHES), LOW VOLT WIRING FOR SENSORS, PUSH BUTTON OR KEY SWITCH CONTROLS, CONDUITS, ETC., MUST BE 100% COMPLETE; PRIOR TO INSTALLATION. THIS WILL ENSURE THE INTERIOR AND/OR EXTERIOR WEATHER STRIPPING, OPERATORS, THRESHOLDS, AIR / WATER INFILTRATION PACKAGES (IF APP.), OR OTHER RELATED HARDWARE, WILL BE FULLY OPERATIONAL, ON THE INSTAL DATE. IF THIS DOES NOT OCCUR, THE INSTALLATION MAY NOT BE GUARANTEED TO FUNCTION AS DESIGNED. THIS WILL ALSO HELP AVOID COMPLICATIONS, AND/OR RETURN TRIPS. AS SUCH, PHOTOGRAPHIC EVIDENCE (PRIOR TO INSTALLATION) WOULD BE HELPFUL IN VERIFYING THE SITE. (CUSTOMERS' RESPONSIBILITY)
- STRUCTURAL FRAMING (HEADER, JAMBS, BACK HANGER BRACKETS, OPERATOR PADS; AS APPL.) WILL BE CALCULATED TO HOLD THE CALCULATED LOADS; PER THE ENGINEER OF RECORD.
- 2" & 3" TRACK OPERATING WEIGHT LIMITS: (EX. DOOR WIDTH x DOOR HT. X 5LBS = TOTAL WEIGHT) DOOR FRAMES & PANELS WEIGHTS ARE APPROX. 5 LBS. PER SQ. FT. --> 2" TRACK = 600 LB. MAX, 3" TRACK = 1600 LB. MAX - DO NOT EXCEED TRACK WEIGHT LIMITS

**PREPARATION OF THE OPENING**



Glass Garage Doors

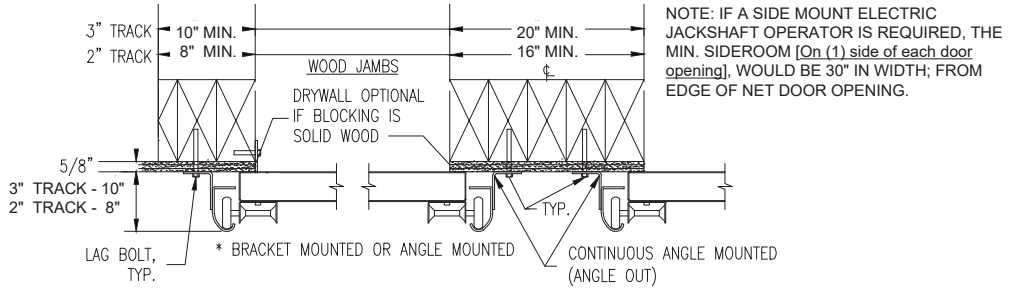
(877) 442-1716

[www.GlassGarageDoors.com](http://www.GlassGarageDoors.com)

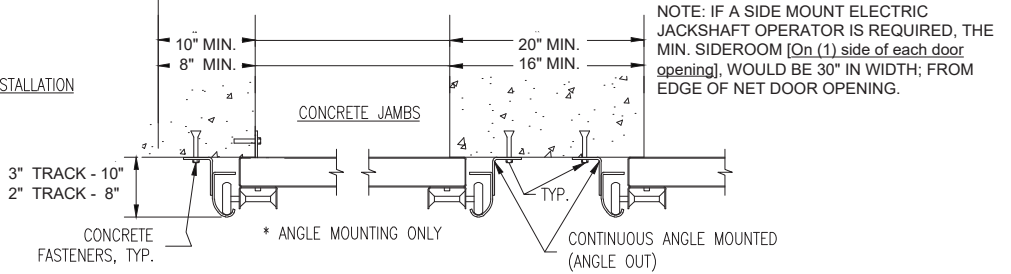
DRAWING  
2 Of 5

PREPERATION OF 2" & 3" TRACK REQUIREMENTS AND SIDE JAMB CLEARANCES – PLAN VIEW

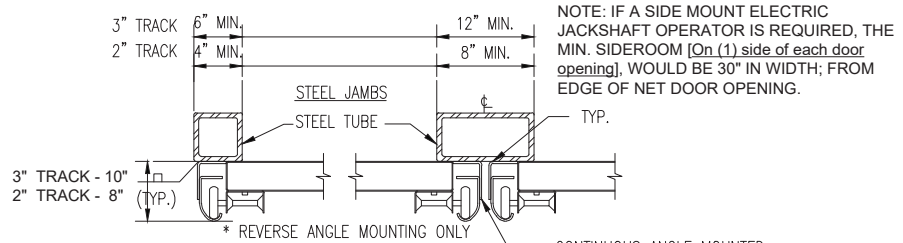
LAG BOLT INSTALLATION



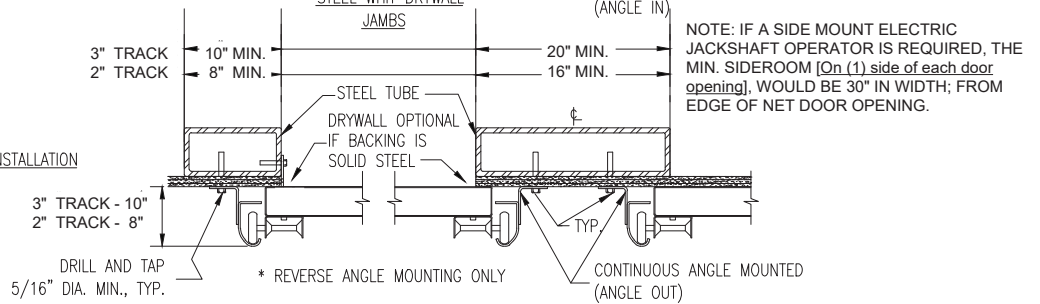
CONCRETE FASTENER INSTALLATION



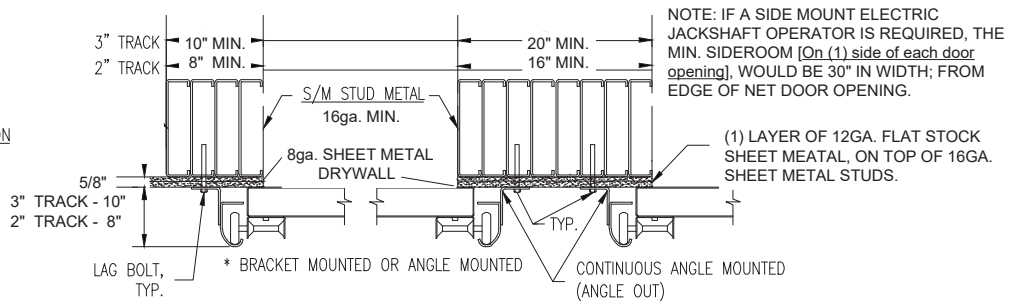
WELDED INSTALLATION



THREADED SCREW INSTALLATION



S/M STUD INSTALLATION



SIDE TRACK CLEARANCES

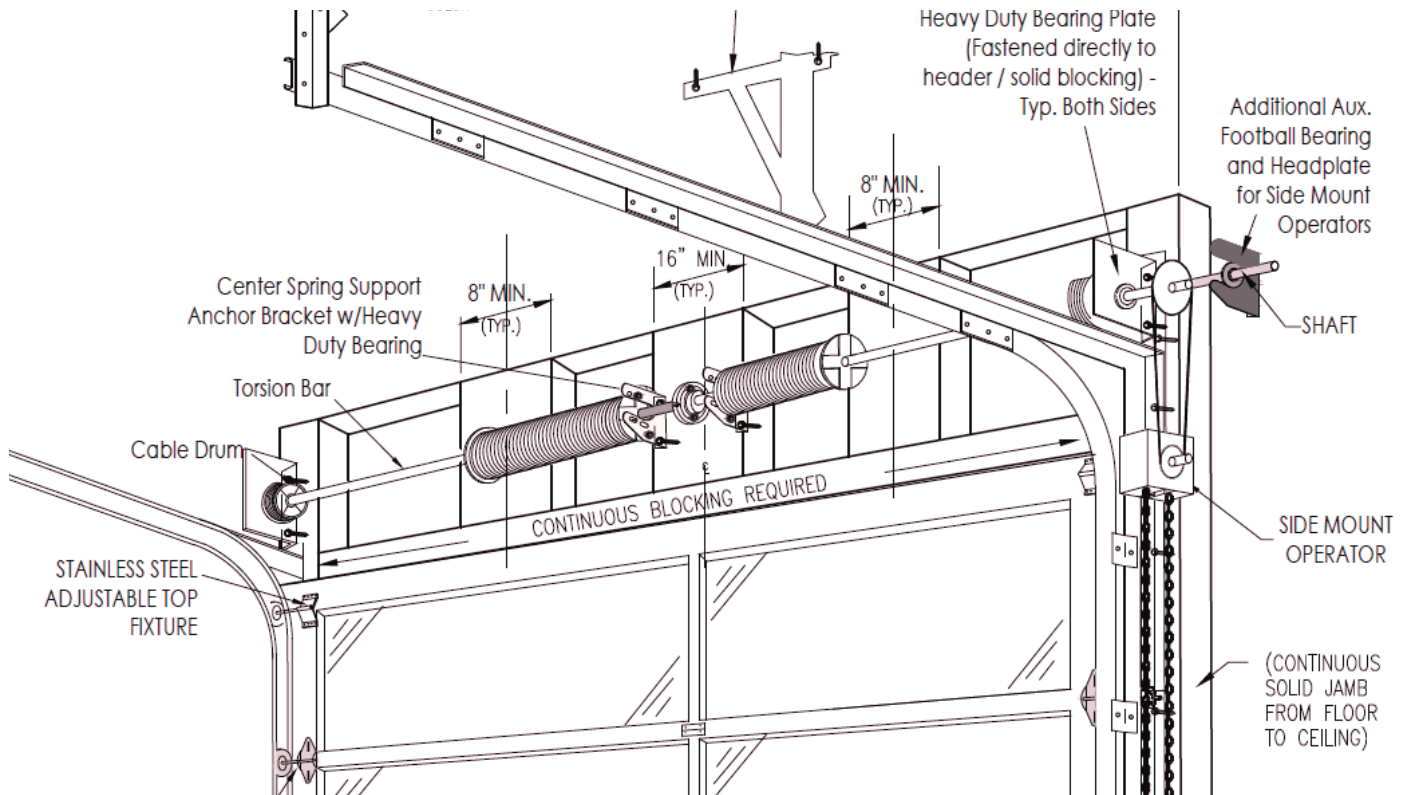


Glass Garage Doors  
 (877) 442-1716  
[www.GlassGarageDoors.com](http://www.GlassGarageDoors.com)

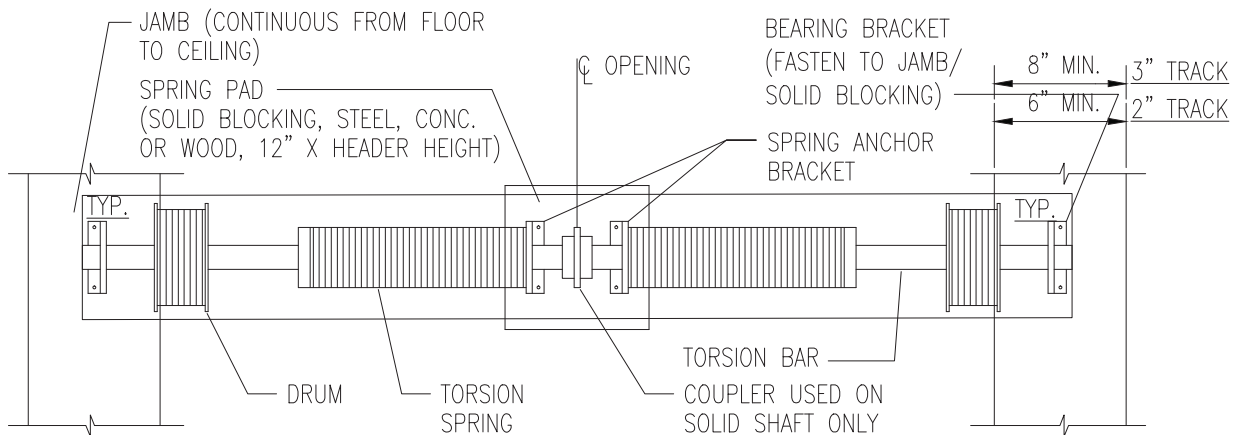
DRAWING  
 3 Of 5



**2 SPRINGS - ISOMETRIC VIEW -  
(Standard Track Example)**



**2 SPRINGS - FRONT ELEVATION**



CONTINUOUS BLOCKING IS REQUIRED  
NOTE: JAMBS ARE CONTINUOUS FROM FLOOR TO CEILING (SEE DIAGRAM #2 OF 5)

**NOTE:**

- \* 2" AND 3" TRACK: 1" CLEARANCE BETWEEN OUTSIDE OF DRUM AND HORIZONTAL TRACK.
- \* EXCEPT ON ROOF PITCH TRACK WHICH REQUIRES ADDITIONAL ROOM. 1" ADDITIONAL PER EVERY INCH OF PITCH.

**SPRING ANCHOR PAD**



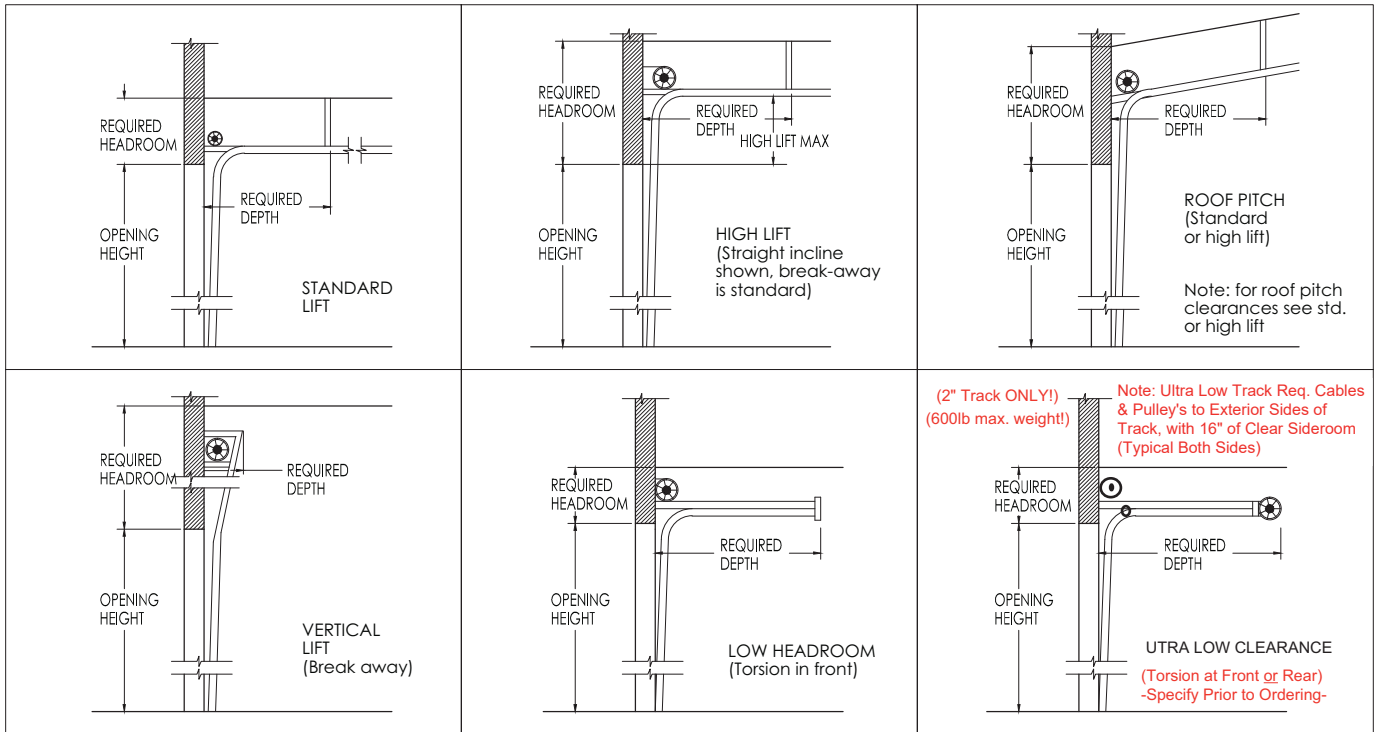
**Glass Garage Doors**

(877) 442-1716

[www.GlassGarageDoors.com](http://www.GlassGarageDoors.com)

**DRAWING  
4 Of 5**

## TRACK SELECTION GUIDE & CLEARANCES



- **MINIMUM REQ.** -

### OPERATING CLEARANCES

Verify the various track sets, will work w/ the project clearances!	HEADROOM REQ.		SIDE ROOM (Typ. Both Sides)		DEPTH INTO ROOM (PERPENDICULAR TO DOOR)
	2" Track	3" Track	2" Track	3" Track	2" & 3" Track
Std. Lift (14" or 20" Rad.: 2" trk.)	16" or 24"	24"	8"	10"	Opening Height +18" Manual or Side Mnt. Oper.
Std. Lift (14" or 20" Rad.)w/ Trolley Op	20" or 28"	28"	8"	10"	Opening Height + 48" For Trolley Operator
High lift Manual ***	24" High Lift +12" min.		8"	10"	Opening Height-Lift + 48"
High Lift Motor Oper. **	24" High Lift +12" min.		30"x48" One Side of Header		Opening Height-High Lift Amount
Vertical Lift Manual ***	Double Door Ht. + 18"		8"	10"	18"
Vertical Lift Motor Oper. **	Double Door Ht. + 18"		30"x48" One Side of Header		18"
Low Headroom Manual	N/A	N/A	N/A	N/A	N/A
Low Headroom Motor Oper. *	11"	17"	8"	10"	Opening Height + 48" Trolley Operator Req.
Ultra Low Clearance Manual	N/A	N/A	N/A	N/A	N/A
Ultra Low Clearance Motor Op.	6"	N/A	16" x 600lb max.	N/A	Opening Height + 48" Trolley Operator Req.

### OPERATING WEIGHTS

Multiply Door Width x Door Height x 5lbs = Door Weight (Select proper track above)

NOTE : Door weights are: 5 lbs. Per SQ. FT.

TRACK LIMITS:

2" Track = 600lbs Max.

3" Track = 1600lbs Max.

\* Standard Lift, Low Headroom, and Zero Clearance Track ore for trolley type operators.  
 \*\* High Lift and Vertical Lift clearances ore for jock shaft or choin hoist/side mounted type operators. See diagram #2 of 5  
 \*\*\* 4" of additional side room is required (one side) for doors having chain hoists. (Chain hoists ore for vertical & high lifts only)  
 NOTE 1: See diagram #2 of 5 for side mount jack shaft) operator preparation. The location of the standard pad is determined by the door height (+) the amount of high lift or vertical lift (-) 18" below headroom requirements (center line of operator pad)

## TRACK SELECTION GUIDE & CLEARANCES



Glass Garage Doors

(877) 442-1716

[www.GlassGarageDoors.com](http://www.GlassGarageDoors.com)

DRAWING  
5 Of 5



# Glass Garage Doors & Entry Systems, Inc.

## ARCHITECTURAL DESCRIPTION

### bp – Full View Aluminum & Glass Sectional Garage Doors

Factory Direct Installations in CA, AZ, NV, FL, optional in all other states (Shipped World Wide)

#### MODEL'S:

<b>Size Series: bp - 350</b>	(4 ft.-8ft. wide x 8 ft. high) <b>Lite Duty</b>
<b>Size Series: bp - 450HD</b>	(8 ft.-16 ft. wide x 12 ft. high) <b>Heavy Duty</b>
<b>Size Series: bp - 550SHD</b>	(16 ft.-24 ft. wide x 16 ft. high) <b>Super Heavy Duty</b>
<b>Classic Standard Line:</b>	Typ. use: Garages & Warehouses spaces (Non Conditioned)
<b>Insulated Line:</b>	Typ. use: Sealing the Building Envelope (Air Tight for HVAC)
<b>Hurricane Line:</b>	Typ. use: High Wind & Miami / Dade NOA (Hurricane Zones)

MANUFACTURER: Aluminum & Glass Sectional Overhead Garage Doors: Full Vision Type; manufactured by **bp - Glass Garage Doors** in Pomona, CA - 877-442-1716 – [www.glassgaragedoors.com](http://www.glassgaragedoors.com)  
An established manufacturer with 65 years experience specializing in Glass Garage Doors

ALUM. FRAMES: All sections are constructed of **bp** - extruded aluminum alloy. The tensile strength is a minimum of 38 ksi, and approximately double the strength of standard 6063-T5 aluminum alloy.  
All rails are heat treated to maximum hardness as per Aluminum Association Standards.

STILES & RAILS: **Size Series bp - 350:** Top rails, bottom rails, and end stiles are 3-1/4" wide.  
**Size Series bp - 450 HD:** Top & Bottom rails are 5-3/8" wide and end stiles are 3-1/4" wide  
**Size Series bp - 550SHD:** Top & Bottom rails are 5-3/8" wide and end stiles are 3-1/4" wide  
Horizontal meeting rails have a combined width of 2-3/4".  
Vertical intermediate center mullions are 1-1/2" wide.  
5/16 inch thru-bolts, nuts, and washers are used to rigidly secure all stiles and rails.

FINISH: All rails are standard clear anodized at least 4 mills thick for a permanent luster finish.  
Powder coated colors can be chosen from the RAL European color standard. (Optional)  
(Kynar paints or coatings are optional. Control Samples or Color #'s must be provided to **bp**)

DOOR THICKNESS: 1-3/4 inches thick.

JOINTS: All joints are mitered to form a tight and smooth fit with the door rails.

COUNTER BALANCE: Galvanized torsion springs, head-plates, and center spring supports are mounted on a continuous galvanized torsion bar, calculated to exact weight and travel of each door.  
Cable drums are of die cast aluminum and are paired categorically for the track type specified.  
Lift cables are of high tension galvanized aviation type. (1/8" – 1/4" as req. by Factory Calc.'s)  
Stainless Steel: Springs, and hardware above, can be substituted in lieu of galvanized (Optional)

TRACK: 2 inch x 15ga. galvanized continuous angle mounted (14 inch or 20 in. radius x 600lb max.)  
3 inch x 12ga. galvanized continuous angle mounted (15 inch radius x 1200lb max.)  
3 inch x 12ga. Stainless Steel continuous angle mounted (15 inch radius x 1400lb max) (Optional)  
All tracks are tapered to insure a weather-tight fit when in the closed position.  
(See "Track Selection Guide" for headroom required in our design guide: [glassgaragedoors.com](http://glassgaragedoors.com))

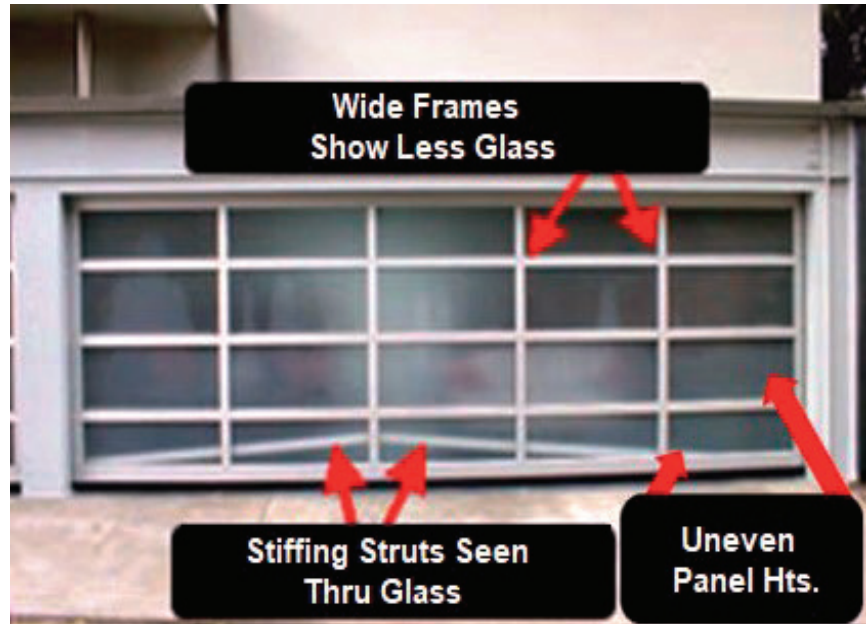


## Glass Garage Doors & Entry Systems, Inc.

- HINGES:** **bp** - Stainless Steel 12ga. laser cut and offset type, are graduated at each section to insure weather tight fit. **bp** – Stainless Steel hinges do not require lubrication. (Lifetime Warranty = Standard)
- ROLLERS:** 2 in. **bp** - Stainless Steel, poly coated tire, sealed, 500 lb ea., precision bearing, roller (Standard)  
3 in. **bp** - Stainless Steel, poly coated tire, sealed, 700 lb, precision bearing, roller (Standard)  
**bp** – Stainless Steel sealed rollers do not require lubrication. (Standard)
- WEATHER-STRIP:** A Vinyl or Santoprene gasket is applied at the factory the full length of the bottom section and at each end of the top rail where contact is made with the bumper spring.  
**bp** - Architectural perimeter weather-stripping is made of a three part extruded aluminum and Santoprene system, which conceals the fasteners with a snap cover. The **bp** – Architectural perimeter weather stripping can be exterior or interior mounted for a clean “Architectural finish”.  
**Optional:** To prevent energy loss, we recommend our Pat. Pend. “**bp** - Insulated Frame Package”
- OPERATORS:** Manual chain-hoists are compatible with standard, roof pitch, high-lift, and full vertical lift tracks  
Electric operation must be specified with the following: Push button station, key button station, and/or remote control operation. Auto reversing safety sensors are required for residential use and optional for most commercial applications. Operator specifications are per **bp** – **Glass Garage Door** factory recommendations; based on weight, height, track type, and as required per code.  
(Note: Low headroom & zero-clearance track must be electronically operated for safety)
- GLAZING:** Glass, aluminum, or specialty panels ranging from: 1/16 in. – 1/2 in. thickness, and are encased in vinyl moldings, held in place by aluminum snap-in beads, and are designed to be easily removed and replaced in case of glass or panel breakage. Tempered, Laminated, and Insulated Options.  
(Note: Call the Factory for Custom, or maximum panel limits!)
- GLASS/  
SPECIFICATIONS:** Glass type must be specified with the following: Transparent or obscured frosted, tempered or laminated safety glass, and clear or color tinted hues (Visit us online to view glass panel samples)  
**Tempered Glass** meets the quality and strength requirements of ASTM C 1036 and ASTM 1048 for condition A, Quality q3, and Kind FT (Full Tempered). Tempered glass also meets the safety criteria of CPSC 16 CFR 1201 Categories 1 & 2, ANSI Z97.1, and qualifies as the glazing material for use in hazardous locations.  
**Laminated Safety Glass** (0.030 PVB or thicker interlayer with two lites of glass) also meets the safety criteria CPSC 16 CFR 1201 Categories 1 & 2, ANSI Z97.1, and ASTM C 1172 Standard Specifications for Laminated Architectural Flat Glass. 1/4" laminated glass has an STC of 35.
- ADDL. OPTIONS:** Custom glass panels, plastic panels, metal panels, or any flat panel within 1/16”- 1/2” thick  
Ventilation louvers in 1/16” aluminum panels as required by some local building codes  
300 powder coated colors from the RAL color standard, Simulated Wood, and Kynar Paint.  
Stainless track, springs, and related hardware. Note: Stainless hinges are already provided!  
Tapered bottom sections (for use when floors are out of square or sloping)  
Custom panel locations, widths, and heights within the same door can also be accommodated to meet specific Architectural designs. Custom Requests are also accepted: Call 877-442-1716  
**Note: Custom configurations (Varied panels or centerlines, tapered bottom sections, etc.) require elevation/ shop drawings!**

VIEW ADDITIONAL OPTIONS & INFO. ON OUR DOWNLOADS PAGE: [www.GlassGarageDoors.com](http://www.GlassGarageDoors.com)





## bp Advantage

### 1. STRONGER ALUMINUM ALLOY

High Tensile Strength Aluminum Alloy: Double rigidity of standard alloy.

### 2. NARROW / SKINNY MULLIONS

Narrow Frame Rails: Cleaner architectural lines, shows more glass, and less frame.

### 3. STRONGER WALL THICKNESS

Heavier Wall Thickness: Allows for more structural load, heavier weight, and wider glass panels. This reduces deflection. (Ex. Our door has 250 lbs. of aluminum vs. a competitor's 100 lbs)

### 4. FACTORY DIRECT MANUFACTURING

Factory Direct: Saves costs, more accurate customer service, backed by our experience of strictly focusing on Glass Garage & Entry Doors.

### 5. FACTORY INSTALLATION

Factory Direct Installation (CA, AZ, NV, UT & FL, optional in all other states): A factory spec. installation, produces a smoother installation and longer lasting garage door, with a Factory Direct Warranty.

## Competitor' Disadvantage

### 1. WEAKER ALUMINUM ALLOY

Standard Aluminum Alloy: Much weaker and ½ the tensile **bp** alloy.

### 2. WIDER / FATTER MULLIONS

Wide Frame Rails: Shows more frame, and less glass, which is visually less appealing. (See picture above w/ red arrows)

### 3. WEAKER WALL THICKNESS

Thinner Walls: Causes major vertical & horizontal deflection, which requires unsightly struts (seen through the glass). This marketing practice reduce cost, but compromises quality. (See picture above w/ red arrows)

### 4. INDIRECT DISTRIBUTOR

Non-Factory Direct: Orders are placed through a distributor, who will most likely order the wrong sizes, make mistakes, and mark up the price.

### 5. INDIRECT INSTALLATION

Distributor Installation: An unlicensed and / or uninsured installer, may not have the expertise, or take care needed to meet a factory specified installation, with an unpredictable warranty.

## **6. CUSTOM CONFIGURATIONS**

Heavy Wall Construction: Allows for more weight, and wider glass panels, with little to no deflection. As the Factory, we listen and work with our customers, to produce custom and unique designs.

## **7. MATCHING GLASS ENTRY DOORS & GATES**

**bp** manufactures matching entry doors and gates, to provide a seamless look between our glass garage & driveway gate systems.

## **8. STAINLESS STEEL ROLLERS**

Stainless Steel Rollers: Extra Heavy Duty, sealed, water resistant rollers; of 900 lb. load capacity each, with no lubrication required. Our nylon ultra quiet glide tire, does not produce any noise.

## **9. STAINLESS STEEL HINGES**

Stainless Steel 12ga Hinges: Laser cut, extra heavy duty; for an extra clean Architectural finish, that does not require lubrication!

## **10. ZINC COATED SPRINGS**

Zinc Plated or Stainless Steel Springs: Rust resistant and requires minimal lubrication. Long Lasting.

## **11. CONCEALED STRUTS**

Concealed Stiffening Struts: Stronger, lighter, and are hidden in the door rail, which can't be seen from the outside (through the glass), and are aesthetically integrated from inside. (For doors over 18' wide)

## **12. CUSTOM FRAME & GLASS COLORS**

Custom Glass & Frame colors: Over 100 types of custom glass, 300 powder coating colors (with a 10 yr warranty), and 300 Kynar paint colors (with a 30 year warranty). The possibilities are only limited by your imagination.

## **13. ARCHITECTURAL ALUM. WEATHER STRIPPING**

Architectural Weather Stripping: Made from 2-part extruded aluminum, and 1-part commercial Santoprene, which is designed to provide a seamless and fastener appearance. Extremely Architectural

# **Competitor' Disadvantage**

## **6. STANDARD OPTIONS ONLY**

Limited Customization: Our competitors are not set up to accommodate customers' special requests. As such, distributors are not capable of helping or accommodating customers' special requests.

## **7. DOES NOT OFFERED ENTRY DOORS OR GATES**

No Complementing Entry Doors: Our competitors are not set up to help or accommodate customers' special requests.

## **8. CHEAP IMPORTED HINGES**

Standard Metal or Nylon Rollers: 50 lb. load capacity each, are not sealed, and require constant lubrication. This produces friction and a very noisy door.

## **9. CHEAP IMPORTED ROLLERS**

Standard Mild Steel Hinges: Thinner 14ga to 18ga hinges are weaker, may break under typical glass weights, and require constant lubrication.

## **10. OIL TEMPERED SPRINGS**

Steel Springs: Raw oil tempered springs rust and required constant lubrication.

## **11. VISIBLE STRUTS**

Standard Metal Struts: Weak, galvanized metal (not aluminum), heavy, surface mounted, and can be through the glass. (See picture above w/ red arrows)

## **12. MINIMAL FRAME & GLASS COLORS**

Limited Glass and color Options: A few standard glazing types and color are all that is offered. They do not offer Kynar painting options, and only provide a 1 year warranty; for color fade.

## **13. CHEAP SIM. WOOD / VINYL WEATHER STRIPPING**

Typical Residential Weather Stripping: Made entirely of poor quality vinyl, with exposed nails. This type of trim molding will produce rusted nail heads, which will stain whatever paint materials is applied on the surface.

## **14. CUSTOM TAPERED SECTIONS (When Required)**

Tapered Sections: Top and/or bottom sections / panels, are custom made to fit sloped driveways or flooring, and guarantees a good seal.

## **15. H.D. COMMERCIAL TRACK HARDWARE**

Heavy Duty Commercial Hardware: High capacity, long lasting, with NO DEFLECTION or serviced required.

## **16. QUIET OPERATION = LESS SOUND**

Extremely Quiet Operation: Due to the use of Premium Stainless Steel Components, noise causing friction, is dramatically reduced.

## **17. CUSTOM MADE = UNIFORM GLASS & PANEL SIZES**

We offer varied sizes for sections and glass sizes for our Glass Garage Doors. All our doors have aesthetic and symmetrical appeal.

## **18. 100% AMERICAN MADE (IN HOUSE)**

We manufacture our own hardware and parts (in house), most of which are Stainless Steel.

## **19. NFRC CERTIFIED & HURRICANE (NOA) RATED**

The ONLY CODE COMPLIANT door of this type (**US & intl. pat.**) used for sealing the building envelope; with insulated frame, and IG units.

**bp** is NFRC tested, certified, and Miami-Dade NOA rated.

## **20. HEAVY DUTY SEAMLESS MOUNTING ANGLE**

**bp** manufactures and provide 12ga heavy duty seamless mounting angle, without any pre-punched holes. This ensures strength (2-3 times stronger), and is aesthetically pleasing to the eye.

## **21. WHY bp?**

What makes **bp** the Best Glass Garage Door in the Industry?  
In addition to the items above, proprietary fabrication methods and classified materials have been incorporated into our 70 year history. This culmination is used to produce our highly regarded glass doors.

# Competitor' Disadvantage

## **14. STANDARD SECTIONS**

Standard Rectangular Sections: May otherwise leave a large gaps at either side of the opening, floor, or header. Unsealed opening may attract pests.

## **15. THIN GAGE RESIDENTIAL TRACK HARDWARE**

Standard Residential Hardware: Low capacity, thinly made, MAJOR DEFLECTION; which requires constant and costly service calls.

## **16. NOISY OPERATING = RATTLING SOUND**

Typical Noisy Operation: Attributed to cheap components (Hinges, Rollers, Fixtures, Bearings); which will cause friction, noise, and costly repairs.

## **17. MASS PRODUCTION = UNEVEN GLASS & PANEL SIZES**

Our competitors are infamously known for producing unequal panel heights, which are not symmetrical. (**See picture above w/ red arrows**)

## **18. CHEAP OVERSEAS IMPORTED PARTS**

Our competitors use light weight imported residential components, tracks, hinges, fixtures, and bearings, which is used by the majority of the industry.

## **19. ILLEGAL DOOR**

Competitors falsely advertise insulated glass units, which ignorantly assumes the product they sell is insulated in its entirety. What is the purpose of insulated glass if the door leaks air, and is NOT NFRC certified?

## **20. PRE-PUNCHED MOUNTING ANGLE**

Competitors use pre-punched mounting angle with hundreds of holes, which takes away strength, causes deflection, and looks cheap.

## **21. WHY THERE IS NO COMPARISON**

Why Others can't compare: Quality, Quality, Quality!! Manufacturers that mass-produce a wide variety of other types of doors, are catering to a less discriminating market. In most cases quality is compromised for quality.

# bp Glass Garage Doors & Entry Systems, Inc.

## Insulated Line (US & Intl. Pat.)

bp Glass Garage Doors **“Fully Insulated Frame Technology”** (US & Intl. Pat.) is the key component for eliminating air leakage, when using Full Vision Type Doors to “seal the building envelope, or any HVAC climate controlled space.” Our Insulated Frame System, also enhances acoustical performance: STC = 36±  
What is the point in having Insulated Glass Panels, if the frame leaks Air or Water?

bp **Insulated Line** glazing options consists of: 1/2” Krypton or Argon filled IG units. Each glass panel is sealed during fabrication process, to ensure an air-tight fit. Glazing options are available in transparent, obscured, low-E glass, and in a variety of color tints, to suit your design. Every glass type has a unique set of energy ratings: **U-Values: ±/ - 0.22 - 0.99, SHGC: ±/ - 0.15 - 0.45, and VT: 0.02 - 0.46;** and is ultimately determined by the glass specified on your project.

→ (Keep in mind that IG units (Insulated Glass) are ineffective if the frame leaks air!)

The bp - **NFRC Air Resistance Package** provides an airtight seal; where building code compliance is required. bp doors have been certified as a “whole system”, and not just glass alone. Testing reports and CPD (Certified Products Database) #'s for various glass types can be found at the **National Fenestration Rating Council: [www.NFRC.org](http://www.NFRC.org) – Per: NFRC 100, 200, 400, U-Factors, SHGC, VT, & ASTM E283**



Note: The **“bp - Water Resistant Option”**, Per ASTM E331 & E547 [SOLD SEPARATELY], must be combined with the **“bp - Air Infiltration Option”** to function as tested. This **CAN NOT BE INSTALLED AFTERWARDS!**

Note: **Doors or Windows WITHOUT Certified “NFRC” labels, are simply FALSE ADVERTISING, and ILLEGAL per the “IECC ENERGY CODE”.** Insulated Glass alone WILL NOT make a Door or Window Insulated, unless it has been certified by the [NFRC.org](http://NFRC.org)

**24ft. wide x 18ft. high (max.)**



bp - Air Leakage Resistance Package*	
Air Leakage Resistance Results ( Per NFRC 400 / ASTM E283 / DASMA 105)	
Residential Standard	0.3 CFM
Commercial Standard	0.4 CFM
<b>bp - Glass Garage Doors results</b>	<b>0.06 CFM</b>
* Note: The lower the CFM = the Better Air Leakage Resistance Results...	
* Thermal date ratings for U-factor, SHGC, & VT are avail. upon request. Call bp for info..	





# bp Glass Garage Doors & Entry Systems, Inc.

## Hurricane Line (US Pat.)

bp Glass Garage Doors meet hurricane requirements for wind load, impact, and cycling, in accordance with Miami-Dade County Test Protocols TAS 201 (lrg./sml. missile impact), TAS 202 (structural, air, forced entry), and TAS 203 (cyclical pressure). bp Glass Garage Doors have been certified, and issued a Florida Product Approval # 13380, and Miami-Dade NOA (Notice Of Acceptance) for our bp - 350 / 450HD / 550SHD: 18'w x 8'h or 24'w x 16'h size series.

bp Glass Garage Doors are engineered for impact resistance & structural performance, per ASTM E1996, ASTM E1886, & HVHZ: High Velocity Hurricane Zones

An optional NFRC Air and Water Leakage Resistance Package, is available for airtight openings, where energy code compliance required. Per NFRC 400.

bp Glass Garage Doors "Fully Insulated Frame Technology" (US & Intl. Pat.) reduces air leakage below the allowable residential and commercial standards.

**Note:** For Custom Design Pressures Requirements between +/- 65 & +/- 50, a One Time NOA or FPA can be provided for your specific project. Call bp for info...

### Design Pressure & Impact Rating

NOA	+50.0	NOA	+65.0	Lrg. & Sml. Missile Impact Rated
20-	/ -50.0	20-	/ -65.0	
1123.02	PSF	1123.02	PSF	

**MIAMI-DADE COUNTY**  
APPROVED



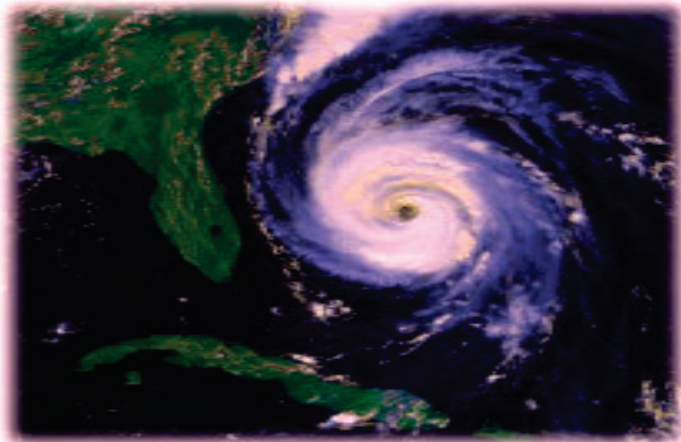
### Air Leakage Resistance Results

( Per NFRC 400 / ASTM E283)

Residential Standard	0.3 CFM
Commercial Standard	0.4 CFM
<b>bp - Glass Garage Doors results</b>	<b>0.06 CFM</b>

**Note:** the lower the CFM = Better Air Leakage Resistance. Thermal ratings for U-factor, SHGC, VT available upon request, per NFRC 100

**24ft wide x 16ft high (max.)**



**FACTORY DIRECT – WORLDWIDE SHIPPING** - 1511 W 2<sup>nd</sup> St. Pomona, CA 91766 – TF: (877) 422-1716 - Fax (626) 579-5320 - Web: [www.glassgaragedoors.com](http://www.glassgaragedoors.com)



# **bp** Glass Garage Doors & Entry Systems, Inc.

## Classic-Standard Line

**bp** manufacturers, ships, and / or Installs "Full Vision Aluminum & Glass Sectional Overhead Doors". The **bp** - Classic Standard Line (our base model) is primarily used for residential & commercial garages, mechanic bays, warehouses, partition walls, and more.

**Model Lines:** **24ft wide x 18ft high (max.)**

**bp** - Classic-Standard Line: Garages, Warehouses, Partitions (Non-Insulated)

**bp** - Insulated Line: Seals the Building Envelope (Airtight - HVAC Spaces)

**bp** - Hurricane Line: Miami / Dade NOA, Wind, & Impact Rated (HVHZ Zones)

**bp** - Storefront Garage Combo Line: Entry Door w/ Garage (Retail Spaces)

**bp** - Entry Door & Gate Line: Matches **bp** Glass Garage Doors (Ext. & Interior)



**Warehouses**



**Residential & Commercial Garages**



**Partition Walls**

# bp Glass Garage Doors & Entry Systems, Inc.

## Storefront Garage Combo Line (US & Intl. Pat.)

bp manufacturers Glass Garage & Matching Entry Doors (in combination), to comprise our bp Storefront Garage Combo Line. This Architectural blend focuses on Form and Function, allowing the end user to implement an operable window wall, or limit access to just an entry door... All while sealing the bldg. envelope.

The bp NFRC Air Resistance Package provides an airtight seal; where building energy code compliance is required. bp Glass Doors have been tested and certified as a “whole system”, and not just glass alone. The bp “Fully Insulated Frame Technology” (US & Intl. Pat.) is the key component for eliminating air leakage, when using Full Vision Type Doors to seal the building envelope, or any HVAC climate-controlled space... Our products far exceed the allowable resi. & com. standards.



**28ft wide x 16ft high (max.)**



**FACTORY DIRECT – WORLDWIDE SHIPPING** - 1511 W 2<sup>nd</sup> St. Pomona, CA 91766 – TF: (877) 422-1716 - Fax (626) 579-5320 - Web: [www.glassgaragedoors.com](http://www.glassgaragedoors.com)

# bp Glass Garage Doors & Entry Systems, Inc.

## bp - Water Resistance Option



**24ft. wide x 18ft. high (max.)**

Note: The **bp** - Water Resistant Option must be combined with the **bp** - Air Resistant Package, to function as tested!  
**CAN NOT BE INSTALLED AFTERWARDS.**

The **bp** - Water Resistance Option has been Certified for: Residential, Lite Commercial, and Commercial performance.

The following testing methods were utilized:

- ❖ ASTM E331- Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls, by **Uniform** Static Air Pressure Differentials.
- ❖ ASTM E547 – Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls, by **Cyclical** Static Air Pressure Differentials.

Test Method E331 and E547			Title of Test Water Resistance			Results No Leakage	
Classification			DP	Pa	PSF	mph	" H2O
Res.	Lite Com.	Com.	30	220	4.59	42	0.88"



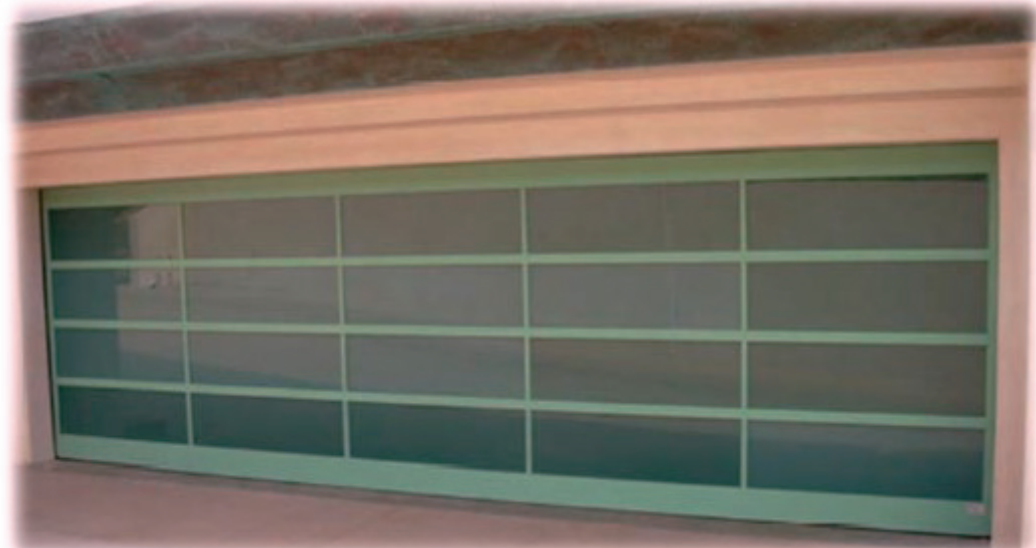




# Glass Garage Doors & Entry Systems, Inc.

## Green Building References

<u>LEED NC 3.0</u>	
<b>MATERIALS AND RESOURCES</b>	
<b>bp meets criteria</b>	Recycle Content
Garage Doors	Cr. 4, Cr. 5
<b>AIR INFILTRATION</b>	
Garage Doors	EAc1 - Optimize Energy Performance
<u>LEED V 2.2</u>	
<b>MATERIALS AND RESOURCES</b>	
<b>bp meets criteria</b>	EEP
Garage Doors	MR 4.1, 4.2, 5.1, 5.2
<u>National Green Building Standard</u>	
<b>RESOURCE EFFICIENCY</b>	
<b>bp meets criteria</b>	Recycled Material
Garage Doors	604.1
<u>Green Globes</u>	
<b>RESOURCE EFFICIENCY</b>	
<b>bp meets criteria</b>	Recycled Content
Garage Doors	E.2



**24ft wide x 18ft high (max.)**

**bp** Glass Garage Doors help projects achieve third-party certifications, such as LEED or Green Globes, by providing Environmentally Preferable Product (EPP).

















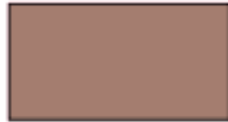











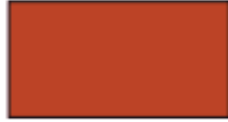







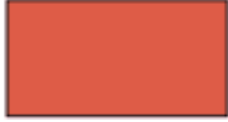











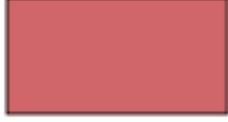
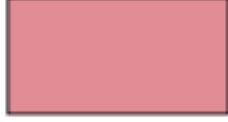

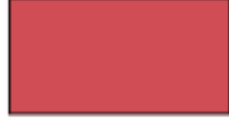


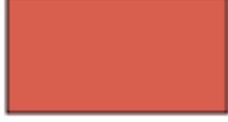





**bp** Glass Garage Doors has historically streamlined its operation to minimize waste of materials, and maximize the ability to use recycled content.

**bp** Glass Garage Doors & Entry Systems manufacturing plant utilizes 25-40% (by weight), of post-industrial (pre-consumer) and 60-75% (by weight), of post-consumer recycled materials within our products. In addition, 95% of our raw materials are manufactured regionally; within 500 miles of our factory.

**bp** Glass Garage Doors has committed to utilize recycled materials, while meeting the needs of our valued customers, and sustaining the environment.



## POWDER COATING - FRAME COLOR OPTIONS

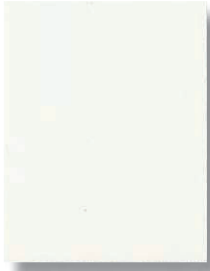
					
RAL 1000 149/15200	RAL 1001 149/15190 138/15001	RAL 1002 149/22590 138/20002	RAL 1003 149/22580	RAL 1004 149/22570	RAL 1005 149/22560
					
RAL 1006 149/22550	RAL 1007 149/22540	RAL 1011 149/15180	RAL 1012 149/22530	RAL 1013 149/11280 138/10013	RAL 1014 149/15170 138/15014
					
RAL 1015 149/15320 138/15015	RAL 1016 149/22520 138/20016	RAL 1017 149/22510	RAL 1018 149/21830	RAL 1019 149/13660 138/15019	RAL 1020 149/22500
					
RAL 1021 149/22280	RAL 1023 149/22490	RAL 1024 149/22480 138/20024	RAL 1027 149/22470	RAL 1028 149/22460	RAL 1032 149/22450
					
RAL 1033 149/22240	RAL 1034 149/23910	RAL 1037 149/20096	RAL 2000 149/24570	RAL 2001 149/24560	RAL 2002 149/24550
					
RAL 2003 149/24540	RAL 2004 149/24530	RAL 2008 149/24340	RAL 2009 149/24360	RAL 2010 149/24520	RAL 2011 149/24580
					
RAL 2012 149/24690	RAL 3000 149/33120	RAL 3001 149/31120	RAL 3002 149/31110	RAL 3003 149/31100	RAL 3004 149/33900
					
RAL 3005 149/31900	RAL 3007 149/31910	RAL 3009 149/31920	RAL 3011 149/31090	RAL 3012 149/31940 138/30012	RAL 3013 149/31950
					
RAL 3014 149/31080	RAL 3015 149/33670	RAL 3016 149/31980	RAL 3017 149/31060	RAL 3018 149/31050	RAL 3020 149/31040
					
RAL 3022 149/33700	RAL 3027 149/33660	RAL 3031 149/34730	RAL 4001 149/43160	RAL 4002 149/31030	RAL 4003 149/32270



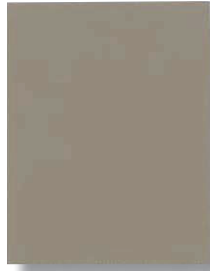
					
RAL 4004 149/31020	RAL 4005 149/42780	RAL 4006 149/32090	RAL 4007 149/32540	RAL 4008 149/32280	RAL 4009 149/34740
					
RAL 4010 149/40490	RAL 5000 149/42200	RAL 5001 149/42210	RAL 5002 149/42220	RAL 5003 149/42230	RAL 5004 149/42240 138/40004
					
RAL 5005 149/43190	RAL 5007 149/42250 138/40007	RAL 5008 149/42260 138/40008	RAL 5009 149/42270	RAL 5010 149/42280	RAL 5011 149/43180 138/40011
					
RAL 5012 149/43170	RAL 5013 149/42310 138/40013	RAL 5014 149/42320	RAL 5015 149/42330	RAL 5017 149/40760 138/40017	RAL 5018 149/41140 138/40020
					
RAL 5019 149/42360 138/40019	RAL 5020 149/44270 138/40018	RAL 5021 149/41190 138/40021	RAL 5022 149/42390	RAL 5023 149/44650	RAL 5024 149/44660
					
RAL 6000 149/53160 138/50000	RAL 6001 149/52900 138/50005	RAL 6002 149/52890	RAL 6003 149/52880 138/50003	RAL 6004 149/50980 138/50004	RAL 6005 149/50670 138/50002
					
RAL 6006 149/52870 138/50006	RAL 6007 149/52860 138/50007	RAL 6008 149/53240 138/50008	RAL 6009 149/52840 138/50009	RAL 6010 149/52830	RAL 6011 149/52820 138/50011
					
RAL 6012 149/51540 138/50012	RAL 6013 149/52810 138/50013	RAL 6014 149/52800	RAL 6015 149/52790	RAL 6016 149/51020 138/50016	RAL 6017 149/52780 138/50017
					
RAL 6018 149/52720 138/50018	RAL 6019 149/51000 138/50019	RAL 6020 149/52710 138/50020	RAL 6021 149/52700 138/50021	RAL 6022 149/52690 138/50022	RAL 6024 149/52680
					
RAL 6025 149/52670	RAL 6026 149/52660 138/50026	RAL 6027 149/50990 138/50027	RAL 6028 149/52650 138/50028	RAL 6029 149/52640 138/50029	RAL 6032 149/52630 138/50032
					
RAL 6033 149/55010 138/50033	RAL 6034 149/55020 138/50034	RAL 7000 149/72700 138/70000	RAL 7001 149/72710	RAL 7002 149/72720 138/70007	RAL 7003 149/72600

					
RAL 7004 149/73300 138/70004	RAL 7005 149/72590 138/70005	RAL 7006 149/72580 138/70006	RAL 7008 149/72570	RAL 7009 149/72770 138/70009	RAL 7010 149/72560 138/70014
					
RAL 7011 149/72790 138/70011	RAL 7012 149/71180 138/70012	RAL 7013 149/72550 138/70013	RAL 7015 149/72820 138/70015	RAL 7016 149/72830 138/70016	RAL 7021 149/72540 138/70021
					
RAL 7022 149/72850 138/70022	RAL 7023 149/72530 138/70827	RAL 7024 149/72870 138/70024	RAL 7026 149/72880 138/70026	RAL 7030 149/72890 138/70027	RAL 7031 149/72520 138/70031
					
RAL 7032 149/72910 138/70001	RAL 7033 149/72510 138/70033	RAL 7034 149/72500	RAL 7035 149/73510 138/70035	RAL 7036 149/72950 138/70036	RAL 7037 149/72480 138/70037
					
RAL 7038 149/72470 138/70038	RAL 7039 149/71020 138/70039	RAL 7040 149/75470 138/70046	RAL 7042 149/73250 138/70042	RAL 7043 149/72460 138/70043	RAL 7044 149/75480 138/70044
					
RAL 7045 149/77890 138/70045	RAL 7046 149/72010 138/70817	RAL 7047 149/72020 138/70047	RAL 8000 149/66170	RAL 8001 149/66160 138/60005	RAL 8002 149/66150 138/60002
					
RAL 8003 149/66140 138/60003	RAL 8004 149/66130 138/60004	RAL 8007 149/66120 138/60007	RAL 8008 149/66110 138/60008	RAL 8011 149/66100 138/60011	RAL 8012 149/66090 138/60012
					
RAL 8014 149/65230 138/60010	RAL 8015 149/63040	RAL 8016 149/66080 138/60016	RAL 8017 149/65220 138/60017	RAL 8019 149/65490 138/60019	RAL 8022 149/63080 138/60022
					
RAL 8023 149/66070	RAL 8024 149/66060 138/60024	RAL 8025 149/66050 138/60025	RAL 8028 149/66500 138/60028	RAL 9001 149/10016 138/10001	RAL 9002 149/70520 138/10002
					
RAL 9003 149/11400 138/10003	RAL 9004 149/81950 138/80004	RAL 9005 149/82830 138/80010	RAL 9010 149/11500 138/10004	RAL 9011 149/80540	RAL 9016 149/11340 138/10010
					
RAL 9017 149/80550 138/80017	RAL 9018 149/72490 138/10018				

# POWDER COAT - (Matte) FRAME COLOR OPTIONS



TIGER Drylac® 38/10130  
**SeaShell White** 30±5\*



TIGER Drylac® 38/70070  
**Taupe** 30±5\*



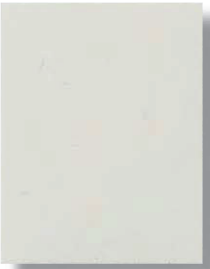
TIGER Drylac® 38/60040  
**Roman Bronze** 30±5\*



TIGER Drylac® 38/30028  
**Brick Red** 20±5\*



TIGER Drylac® 38/70049  
**Silver Grey** 30±5\*



TIGER Drylac® 38/10070  
**Bone White** 30±5\*



TIGER Drylac® 38/15002  
**Sierra Tan** 30±5\*



TIGER Drylac® 38/60080  
**Statuary Bronze** 30±5\*



TIGER Drylac® 38/60006  
**Aged Copper** 20±5\*



TIGER Drylac® 38/40025  
**Interstate Blue** 20±5\*



TIGER Drylac® 38/70048  
**Sky Grey** 30±5\*



TIGER Drylac® 38/70025  
**Ash Grey** 30±5\*



TIGER Drylac® 38/60090  
**Dark Anodized Bronze** 20±5\*



TIGER Drylac® 38/50080  
**Ivy Green** 30±5\*



TIGER Drylac® 38/40051  
**Military Blue** 30±5\*



TIGER Drylac® 38/15003  
**Almond** 30±5\*



TIGER Drylac® 38/70019  
**Slate Grey** 30±5\*



TIGER Drylac® 38/30033  
**Boysenberry** 20±5\*



TIGER Drylac® 38/50037  
**Classic Green** 30±5\*



TIGER Drylac® 38/80020  
**Jet Black** 30±5\*



TIGER Drylac® 38/15012  
**Sandstone** 30±5\*



TIGER Drylac® 38/60018  
**Koko Brown** 30±5\*



TIGER Drylac® 38/30041  
**Redwood** 30±5\*



TIGER Drylac® 38/50110  
**Hartford Green** 30±5\*



TIGER Drylac 38/81009  
**Railing Black Semi Gloss** 60±5\*

\*Gloss level according to Gardner 60° ASTM D523. Paper and ink limitations of color samples as well as influence from heat and light account for differences from actual powder coatings.

# POWDER COATING - (Matte) FRAME COLOR OPTIONS

Glossy

Metallic



TIGER Drylac<sup>®</sup> 38/00001  
**Clear 90+\***



TIGER Drylac<sup>®</sup> 38/15009  
**Crème 305 85±5\***



TIGER Drylac<sup>®</sup> 38/50039  
**Highland 305 85±5\***



TIGER Drylac<sup>®</sup> 38/70061  
**Grey Classic 314 85±5\***



TIGER Drylac<sup>®</sup> 38/90003  
**Argento 301 Metallic**



TIGER Drylac<sup>®</sup> 38/10007  
**Bianco 302 85±5\***



TIGER Drylac<sup>®</sup> 38/15007  
**Crème 303 85±5\***



TIGER Drylac<sup>®</sup> 38/50040  
**Highland 306 85±5\***



TIGER Drylac<sup>®</sup> 38/80002  
**Carbon 301 85±5\***



TIGER Drylac<sup>®</sup> 38/90010  
**Marine Silver**



TIGER Drylac<sup>®</sup> 38/10090  
**Extrusion White 85±5\***



TIGER Drylac<sup>®</sup> 38/15005  
**Crème 301 85±5\***



TIGER Drylac<sup>®</sup> 38/50041  
**Highland 307 85±5\***



TIGER Drylac<sup>®</sup> 38/90007  
**Argento 305 Metallic**



TIGER Drylac<sup>®</sup> 38/70032  
**Grey Classic 303 85±5\***



TIGER Drylac<sup>®</sup> 38/60026  
**Marrone 306 85±5\***



TIGER Drylac<sup>®</sup> 38/40033  
**Azzurro 307 85±5\***



TIGER Drylac<sup>®</sup> 38/90011  
**Argento 308 Metallic**



TIGER Drylac<sup>®</sup> 38/70056  
**Grey Classic 310 85±5\***



TIGER Drylac<sup>®</sup> 38/60039  
**Marrone 308 85±5\***



TIGER Drylac<sup>®</sup> 38/70054  
**Grey Classic 308 85±5\***



TIGER Drylac<sup>®</sup> 38/90015  
**Pearl Dark Grey Metallic**

\*Gloss level according to Gardner 60° ASTM D523. Paper and ink limitations, account for differences from actual powder coatings. Gloss levels are indicated as shown, or otherwise defaulted to 80%.

**bp - Glass Garage Doors & Entry Systems - Frame Color - Sim. Wood Powder Coating**



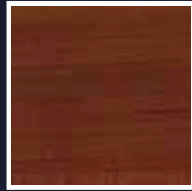
DS 403  
1001/01



DS 403  
1002/01



DS 402  
1101/02



DS 403  
1102/01



DS 402  
1103/01



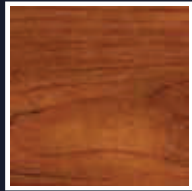
DS 403  
1301/01



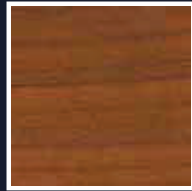
DS 403  
1401/01



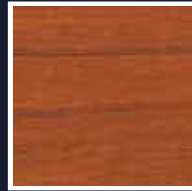
DS 403  
1402/02



DS 402  
1403/01



DS 402  
1404/02



DS 402  
1405/02



DS 402  
1406/01



DS 403  
1407/01



DS 402  
1501/02



DS 402  
1502/02



DS 402  
1601/06



DS 402  
1602/01



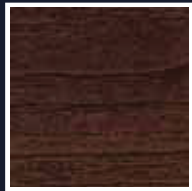
DS 402  
1603/02



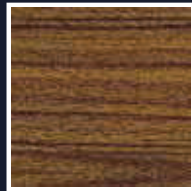
DS 406  
1701/01



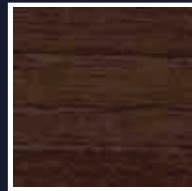
DS 403  
1801/01



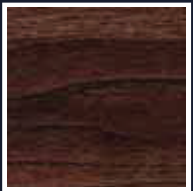
DS 403  
1802/02



DS 403  
1803/01



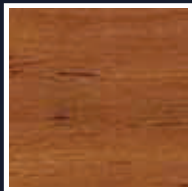
DS 403  
1804/05



DS 403  
1806/02



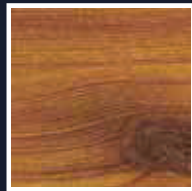
DS 403  
1807/01



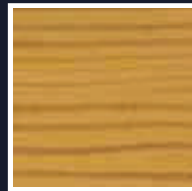
DS 402  
1901/01



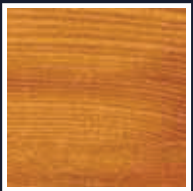
DS 402  
2001/01



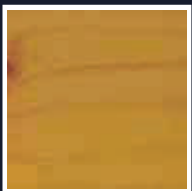
DS 402  
2101/01



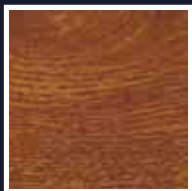
DS 402  
2102/01



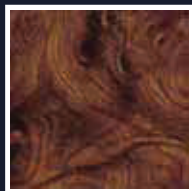
DS 402  
2103/01



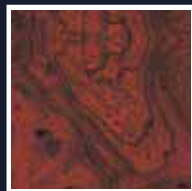
DS 402  
2104/01



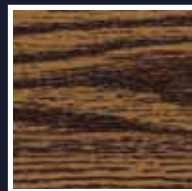
DS 403  
2301/02



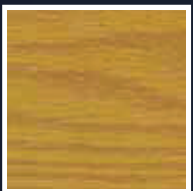
DS 403  
2401/04



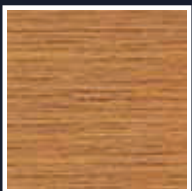
DS 810+PE411  
2402/02



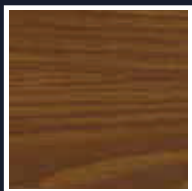
DS 403  
2501/02



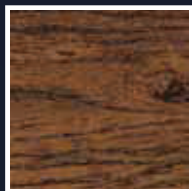
DS 402  
2501/05



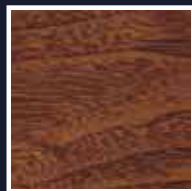
DS 402  
2502/01



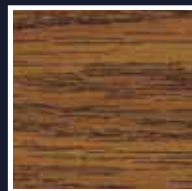
DS 403  
2503/04



DS 403  
2504/01



DS 403  
2505/01



DS 403  
2507/01



DS 402  
2902/03

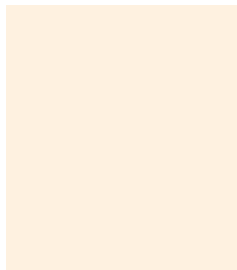




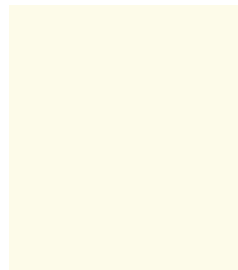
Proven performance and lasting durability. That's why generations of architects and building professionals, have trusted Kynar Color Coatings; to protect architectural metal substrates.

All PPG Kynar coatings contain 70% fluoropolymer resin, which is chemically inert to protect your building from environmental stresses. Adhesion and flexibility are excellent, which resists chipping, cracking, crazing, erosion, abrasion and impact. Color fast warranties are provided for 20 - 30 years.

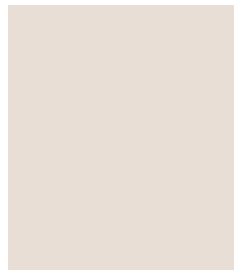
*10 colors (shown below) out of 500+ for your choosing - [Custom color matching upon request]*



Graham White  
UC72638



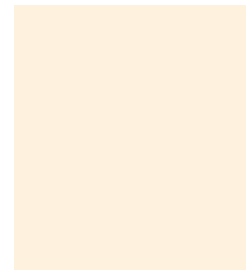
Bright White  
UC55026



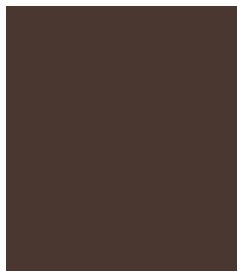
Kuala White  
UC74215



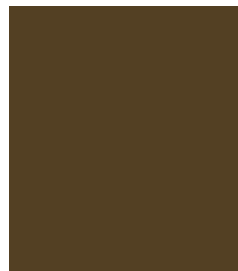
Caramel Latte  
UC105737



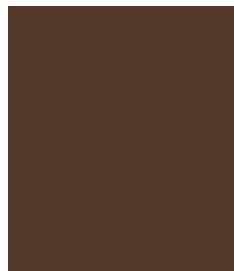
Natural Wicker  
UC105747



Antique Bronze  
UC100027



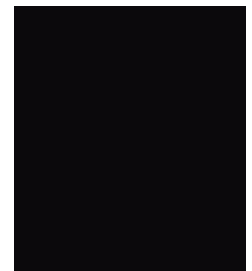
Fairview Taupe  
UC105741



Medium Bronze  
UC109862



Sanctuary Bronze  
UC43347



Black  
UC40577

## Lasting Choices with Architecturally Tested Coating Systems

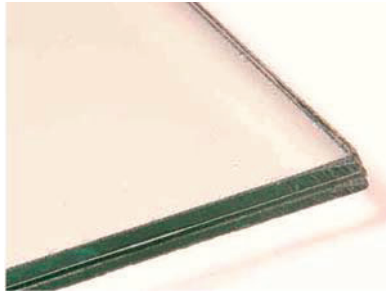
Kynar coatings meet the industry's toughest performance requirements, including AAMA 2605 (Voluntary Specification), for Performance Requirements, Test Procedures, and Superior Performing Organic Coatings; on Aluminum Extrusions and Panels.



### DISCLAIMER:

The color chips on this website cannot be considered totally accurate color matches, and are not to be used as approved standards. This document contains general information only, and should not be construed as creating any warranties, express or implied. Please contact a PPG representative for additional information.

# bp - Glass Garage Doors "Glass Panel Options"



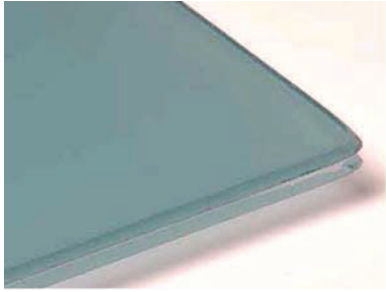
CLEAR LAMINATED



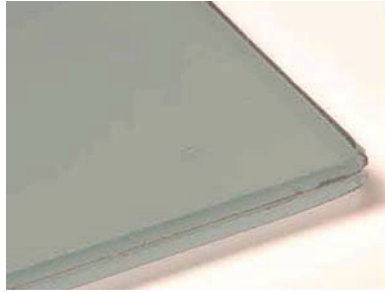
OBSUCRED LAMINATED  
REG. WHITE (SLIGHT GREENISH HUE)



OBSCURED OR TRANSPARENT  
LAMINATED STARFIRE WHITE  
(ARCHITECTURAL LOW-IRON)



OBSCURED OR TRANSPARENT  
LAMINATED (AZURLITE)  
*(Orders of 10 or more doors)*



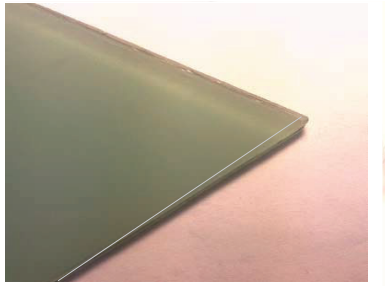
OBSCURED OR TRANSPARENT  
LAMINATED (SOLEX GREEN )



OBSCURED OR  
TRANSPARENT LAMINATED  
(GRAY 60%)



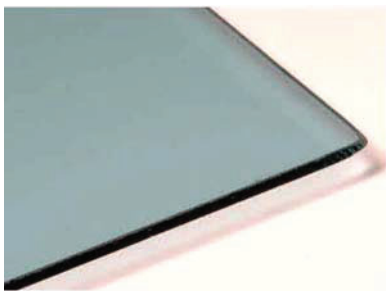
OBSCURED OR TRANSPARENT  
LAMINATED (GRAY 24%)



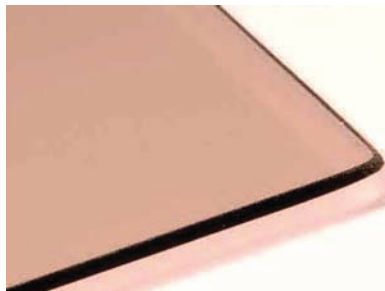
OBSCURED OR TRANSPARENT  
LAMINATED (EVERGREEN)  
*(Orders of 10 or more doors)*



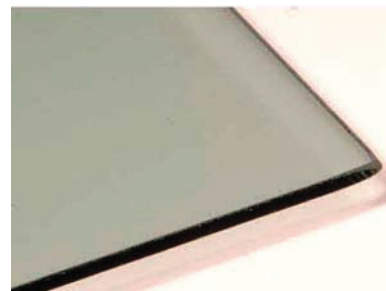
OBSCURED OR TRANSPARENT  
LAMINATED (BRONZE)



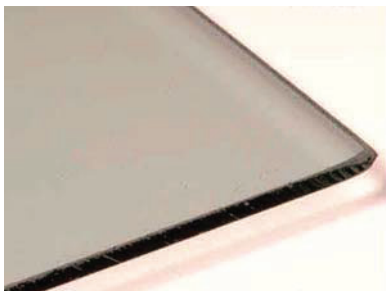
TEMPERED (AZURLITE)  
*(Orders of 10 or more doors)*



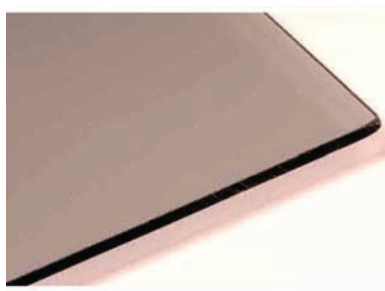
TEMPERED (BRONZE)



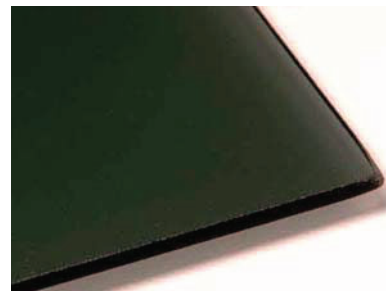
TEMPERED (EVERGEEN)  
*(Orders of 10 or more doors)*



TEMPERED (SOLEX GREEN)

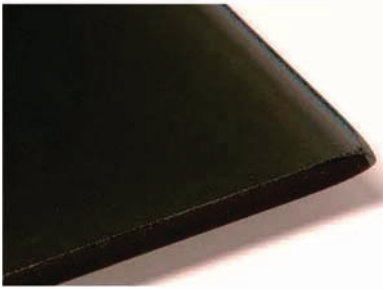


TEMPERED (GRAY 61%)

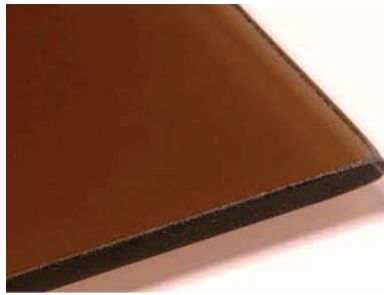


TEMPERED (GRAY 24%)

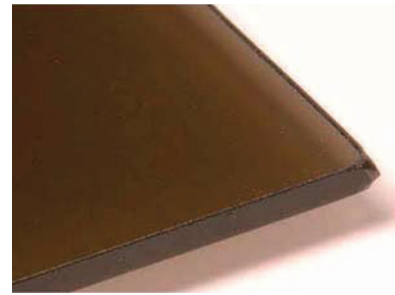
# bp - Glass Garage Doors "Glass Panel Options"



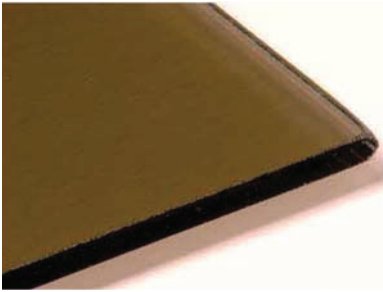
REFLECTIVE TEMPERED BLUE RC



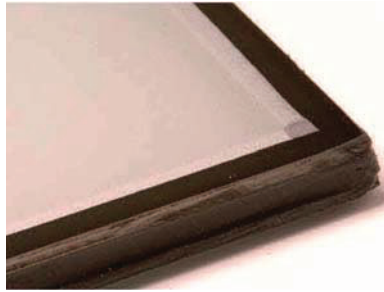
REFLECTIVE TEMPERED BRONZE RC



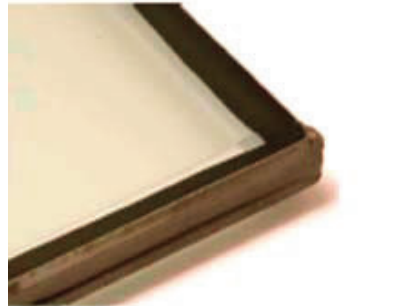
REFLECTIVE TEMPERED GRAY RC



REFLECTIVE TEMPERED GREEN RC



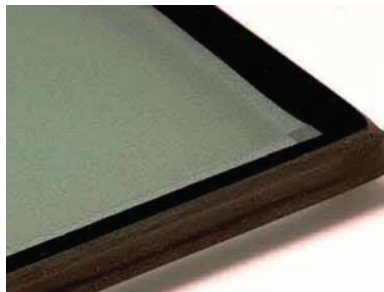
OBSCURED or TRANSPARENT INSUL.  
STARPHIRE via SANDBLAST (WHITE)



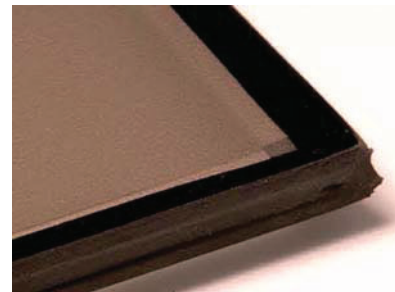
OBSCURED or TRANSPARENT INSUL.  
via ACID ETCH (SLIGHT GREEN HUE)



OBSCURED or TRANSPARENT INSUL.  
via ACID ETCH (AZURLITE)  
(Orders of 10 or more doors)



OBSCURED or TRANSPARENT INSUL.  
via ACID ETCH (EVERGREEN)  
(Orders of 10 or more doors)



OBSCURED or TRANSPARENT INSUL.  
via ACID ETCH (BRONZE)



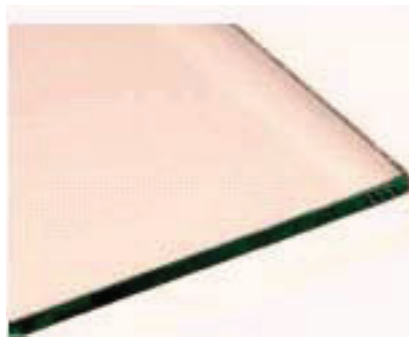
OBSCURED or TRANSPARENT INSUL.  
via ACID ETCH (GRAY 60%)



OBSCURED or TRANSPARENT INSUL.  
via ACID ETCH (GRAY 24%)



OBSCURED or TRANSPARENT INSUL.  
via ACID ETCH (SOLEX GREEN)



CLEAR: TEMP., LAMI, INSUL., & LOW-E