

CONSTRUCT WITH CONFIDENCE



Harvey Commercial Solutions is a division of Harvey Building Products - a leading manufacturer and distributor of high quality windows and doors built on a solid reputation for outstanding craftsmanship and superior service. With a proven 50-plus year track record of best-in-class manufacturing of high quality vinyl windows and doors, Harvey has been providing custom window and door solutions to the commercial sector for more than two decades.

Our modern manufacturing facilities represent more than 600,000 square feet of space, a state-of-the-art testing lab and a dedicated recycling area to help preserve our natural resources.

Architects, specifiers, developers and property managers have found Harvey Commercial Solutions to be a partner they can depend on to support large projects. Our dedicated team of top-notch commercial sales professionals, commercial project estimators and commercial project managers work with you to provide best-in-class custom solutions, keep your project on schedule, and provide industry-leading service.

HARVEY
COMMERCIAL SOLUTIONS

CAPABILITIES

Harvey's commercial strengths lie in our ability to value engineer product solutions in our on-site testing facility and manufacture specialty products, such as custom PTAC ready window units with integral louver, panning systems, structural mullion systems, and provide custom exterior paint finishes. Harvey's core commercial products are ideal for light commercial applications such as:

- Hotels
- Multi-family residential developments
- Independent & assisted living facilities
- Government-financed housing
- Low to mid-rise renovation solutions
- Student housing
- Military housing
- Municipal buildings



PROJECT MANAGEMENT & ENGINEERING

We engineer value. Our staff of talented engineers works with our commercial project management team to provide insight, strategies, and expertise that benefits you and your bottom line. And, they provide detailed information, including CAD drawings, CSI specifications, egress information, installation instructions and performance data.

Your dedicated commercial project manager is your direct connection to Harvey's wealth of expertise. We will be a valued member of your team from design and estimating, to the install and post-installation service.



TESTING

How can you be sure your Harvey products will perform? Because they are put through rigorous testing by our engineers in our certified on-site lab to verify they meet the thermal and structural requirements for your project. This unique capability allows us to create your custom product solution and prove its performance; and you can have confidence that Harvey will deliver. Available testing includes:

- Impact and Cycling
- Acoustic Materials and Product Construction
- NFRC Thermal Certification
- Design Pressure Testing (AAMA Standards)
- Condensation Resistance Simulation
- Validation Testing
- STC and OITC Testing
- HUD Approval



UNIQUE SOLUTIONS

STRUCTURAL MULLION AND RECEPTOR SYSTEMS

Harvey's structural mullion and receptor systems can combine to provide a clean, economical and efficient method to divide large openings into structurally and thermally sound openings. The system has a certified DP-50 rating.

STRUCTURAL MULLION SYSTEM

- DP50-120mph rated
- Used for vertical mulling of windows in light commercial applications
- Vinyl cap color matched to prime window
- Thermally broken aluminum mull
- Features a two-piece aluminum mullion and a vinyl cover system that works on both the interior and exterior of the mullion

ALUMINUM RECEPTOR SYSTEM

- Designed to convert multi-wide openings to individual openings to facilitate installation
- Used in place of exterior/interior stops and secures windows within the opening
- Cleans up the existing opening for a square, level and plumb window installation
- Ideal for masonry openings
- Interior installation eliminates the need for lifts on multi-story structures
- Not available for impact applications

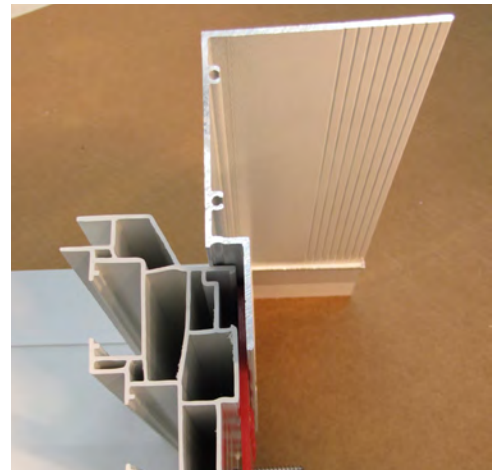
Before and after: Harvey Structural Mullion and Receptor System



PANNING SYSTEM

Harvey's panning system is designed for window replacement applications over existing wood or steel frames. The panning covers the perimeter of the existing opening without disturbing the existing casing and frames and provides a stop to install the window into.

- Sloped sill design
- Common part for head/jamb
- Heavy extruded aluminum parts – 0.085" wall thickness
- Available in full length lineal or factory cut and notched
- Sill is available in 16' lengths
- Head/jamb is available in 18' lengths
- 7/16" raised leg on sill pan
- Installs into the window opening first, followed by the window (replacement style)
- Available in White and Almond to match Harvey's vinyl window colors
- Standard profile compatible with most openings



ACOUSTIC WINDOWS

Our acoustical insulating vinyl windows integrate premium glazing packages for the ultimate in noise reduction, resulting in sound abatement of up to STC40*. Additional acoustic products are available for large jobs with specific sound abatement program performance requirements.

- ENERGY STAR® qualified with optional ENERGY STAR glazing package upgrade
- Up to STC (Sound Transmission Class) Rating of 26-40
- Factory calibrated block & tackle sash balances never need adjustment or lubrication
- Top and bottom sash tilt-in for easy cleaning

*STC Ratings depend on size and operating style tested.



Harvey Acoustic windows have been installed through several Residential Sound Insulation Programs across the U.S. including:

BATON ROUGE METROPOLITAN AIRPORT
BOSTON LOGAN AIRPORT
CLEVELAND HOPKINS INT'L AIRPORT
CINCINNATI/NORTH KENTUCKY INT'L AIRPORT
LEHIGH-NORTHAMPTON AIRPORT
PROVIDENCE T.F. GREEN AIRPORT
TULSA INTERNATIONAL AIRPORT

UNIQUE SOLUTIONS

VIGILANCE IMPACT-RESISTANT VINYL WINDOWS AND PATIO DOORS

Vigilance windows were created to meet coastal building codes, among the most stringent followed in our industry. They provide exceptional storm protection, from not only wind and rain but also wind-borne debris. The Vigilance lineup includes double hung, casement, awning, and picture window styles for both new building construction as well as replacement applications.

VIGILANCE WINDOWS

- Standard ENERGY STAR® glazing
- Impact rated with minimum performance of DP55-120mph
- STC 34 rating for excellent noise reduction
- Top and bottom sash tilt-in for easy cleaning (double hung)
- Low profile, corrosion-resistant hardware
- Factory calibrated constant force balances never need adjustment or lubrication (double hung)
- Laminated & double-strength glazing system

VIGILANCE PATIO DOORS

- ENERGY STAR qualified with standard Low-E/Argon glazing
- Impact-rated with DP50 performance
- Not available set up
- No grids available
- Extruded aluminum screen frame with fiberglass wire
- White non-keyed corrosion-resistant hardware set included



PTAC WINDOW UNITS

Harvey PTAC-ready window solutions consist of a fully welded vinyl frame that is custom built around a PTAC louver and then mullied to another window unit(s). No longer will you need separate rough openings for the window and the PTAC unit itself.

- PTAC louver unit and vinyl window are delivered as a complete integrated window unit
- The entire unit is installed into a single rough opening reducing many steps and providing a clean aesthetic on the exterior
- Louver is custom made specific to the PTAC unit and sleeve being used on the project
- Extruded aluminum louver; 6063-T5
- Integrated weep system within the frame
- Kynar industrial grade paint finish; custom colors available



OTHER SOLUTIONS

If you don't see something here, it doesn't mean we can't provide it. Other products and solutions offered by Harvey include:

- Commercial door capability including hollow metal jambs and doors, vinyl STC and DP rated doors, vinyl swing doors, commercial grade hardware
- High DP impact-rated vinyl patio doors
- Vinyl Casement WOCD designed for a hinged sash that opens out and keeps the sash from being opened more than 4"
- Heavy-duty security screen system with 0.023" stainless steel mesh for when a high durability is required
- Custodial (keyed) sash locks for institutional applications which can be factory applied and keyed alike, or the locks can be applied in the field after installation
- Large knob casement handles and lock latches for ease of use



RECENT PROJECTS



Structural Mullion and Receptor System

Project outline: Mill site renovation creating 199 residential units

Project highlights: Replacement of large 7.5 ft. x 10.5 ft. existing metal windows with an energy efficient and structurally sound window system.

The Harvey solution: Harvey collaborated with the city, building owner, and architect to develop a system to increase thermal efficiency while maintaining the architectural look of the buildings.

Products and applications

- Harvey muller replacement SH, picture and awning windows
- Glazed top panel with PVC to install venting for kitchens/baths
- Harvey receptor system made installation easier within 2' brick walls
- Harvey structural mullion mitigated window deflection due to the height of the openings, 105' building height, and the open location along the river



Custom Designed Energy-Efficient Windows

Project outline: 300 new construction painted stacked awning windows with simulated double hung bar applied.

Project highlights: Hotel owner needed windows that were extremely energy efficient which simulated a double hung look with silver painted exterior for this LEED-certified hotel.

The Harvey solution: Harvey worked directly with the architect and developer in designing a window that was custom painted, triple glazed with simulated double hung bars installed on the glass.

Products and applications

- Harvey new construction common stacked mull awning windows
- Harvey simulated double hung bar applied vertically on the glass
- Harvey white interior painted exterior components
- Triple glazed double Low-E with Krypton gas, U-value .21

Acoustic Windows

Project outline: New construction development of 160-unit luxury apartment building on Boston Harbor.

Project highlights: Rear facade abuts a commercial facility with evening transports by commercial vehicles. Architect designed uniquely styled window applications, but was concerned that sound reduction window assemblies would compromise the design.

The Harvey solution: Harvey offered single unit applications for field mulling with minimal site line obstruction; this allowed for implementation of the intended design features while also providing the necessary structural integrity.

Products and applications

- STC-40 acoustic double hungs
- Fixed transoms
- Field-applied framing for new construction nail fin applications



Classic Painted Windows

Project outline: Condominium project with complete window replacement and exterior envelope repairs.

Project highlights: Mission Hill is an architectural landmark district with both freestanding houses and traditional brick row homes. Owners began experiencing water leaks and deterioration to the exterior wood windows and architectural millwork.

The Harvey solution: More than 1200 painted vinyl windows were custom manufactured for the project. Window accessories were used to preserve the buildings' original architectural details.

Products and applications

- Harvey Classic painted vinyl windows
- Factory applied exterior casing



STRUCTURAL DATA

Product Line	Unit Size W x H	Configuration	Air Infiltration	Water Resistance	Structural Test Pressure	Design Pressure	Structural Rating
Tribute Double Hung	48 x 84	Single	0.07 cfm/ft ²	5.43 psf	52.63 psf	DP35	H-LC35
	42 x 77**	Single	0.05 cfm/ft ²	7.52 psf	74.24 psf	DP50	H-LC50
	85 1/2 x 75	2-Wide CJ	0.06 cfm/ft ²	5.43 psf	52.63 psf	DP35	H-LC35
Tribute Double Hung Commercial	54 x 91+	Single	0.06 cfm/ft ²	6.06 psf	60.15 psf	DP40	H-C40
Classic Double Hung	46 x 77	Single	0.10 cfm/ft ²	6.06 psf	60.15 psf	DP40	H-LC40
	46 x 60+**	Single	0.08 cfm/ft ²	7.52 psf	75.24 psf	DP50	H-R50
	42 x 77+**	Single	0.14 cfm/ft ²	7.52 psf	75.24 psf	DP50	H-LC50
	72 x 63	2-Wide CJ	0.16 cfm/ft ²	6.90 psf	67.70 psf	DP45	H-R45
	72 x 72	2-Wide CJ	0.24 cfm/ft ²	4.59 psf	67.67 psf	DP30	H-R30
	96 x 63**	3-Wide CJ	0.21 cfm/ft ²	6.06 psf	60.19 psf	DP40	H-R40
Slimline Double Hung & Single Hung	42 x 77	Single	0.06 cfm/ft ²	5.43 psf	52.63 psf	DP35	H-R35
	46 x 77	Single	0.06 cfm/ft ²	4.60 psf	45.11 psf	DP30	H-LC30
	44 x 67+**	Single	0.07 cfm/ft ²	6.06 psf	60.19 psf	DP40	H-R40
	40 x 63+**	Single	0.03 cfm/ft ²	7.52 psf	75.19 psf	DP50	H-C50
Vinyl Awning	48 x 32	Single	0.01 cfm/ft ²	11.28 psf	112.78 psf	DP75	AP-C75
	48 x 58	Single	0.01 cfm/ft ²	7.52 psf	82.71 psf	DP55	AP-LC55
	64 x 32+	Single	0.01 cfm/ft ²	7.52 psf	75.19 psf	DP50	AP-LC50
	60 x 42	Single	0.01 cfm/ft ²	6.06 psf	60.19 psf	DP40	AP-C40
Vinyl Casement	36 x 80	Single	0.01 cfm/ft ²	6.06 psf	60.15 psf	DP40	C-C40
	71 x 80	2-Wide CJ	0.04 cfm/ft ²	5.43 psf	52.63 psf	DP35	C-C35
	56 x 72	2-Wide CJ	0.04 cfm/ft ²	7.52 psf	75.19 psf	DP50	C-C50
	56 x 48	2-Wide CJ	0.04 cfm/ft ²	9.82 psf	97.74 psf	DP65	C-C65
Fixed Vinyl Casement / Awning	60 x 80	Single	0.03 cfm/ft ²	5.43 psf	52.63 psf	DP35	F-C35
	64 x 56	Single	0.02 cfm/ft ²	7.52 psf	75.19 psf	DP50	F-C50
	46 x 60	Single	0.01 cfm/ft ²	6.06 psf	60.19 psf	DP40	F-C40
Venting Vinyl Awning over Fixed w/Mull & CJ	65 x 77+	Stacked CJ-Mull	0.01 cfm/ft ²	7.52 psf	75.19 psf	DP50	AP-LC50
Fixed Vinyl Casement over Venting Awning	64 x 78+	Stacked CJ	0.03 cfm/ft ²	7.52 psf	75.19 psf	DP50	AP-LC50
Vinyl PW mulled over Venting Awning	64 x 78+	Stacked Mull	0.01 cfm/ft ²	7.52 psf	75.19 psf	DP50	AP-LC50
Vinyl Picture Window	70 x 70	Single	0.01 cfm/ft ²	8.35 psf	55.14 psf	DP55	F-C55
Vinyl Designer Shape	64 x 64	Single	0.01 cfm/ft ²	6.90 psf	67.67 psf	DP45	F-C45
Welded Vinyl Deadlite	57 x 57	Single	0.01 cfm/ft ²	2.92 psf	22.56 psf	DP15	F-R15
Welded Vinyl Rolling Window	72 x 62 1/2	2-Lite	0.03 cfm/ft ²	5.43 psf	52.63 psf	DP35	HS-LC35
	120 x 62 1/2	3-Lite	0.07 cfm/ft ²	3.76 psf	37.59 psf	DP25	HS-LC25
Vinyl Hopper Window	48 x 32	Single	0.06 cfm/ft ²	2.92 psf	22.57 psf	DP15	AP-R15
Vinyl Patio Door (with or without Transom)	96 x 80 (8068)	2-Lite	0.06 cfm/ft ²	5.43 psf	52.63 psf	DP35	SD-R35
Vinyl Patio Door	144 x 80 (12068)	3-Lite OXO	0.01 cfm/ft ²	5.43 psf	52.63 psf	DP35	SD-R35
Vigilance Patio Door Impact Resistant DP50 / Wind Zone 4	96 x 96 (8080)	2-Lite Only	0.04 cfm/ft ²	7.50 psf	75.00 psf	DP50	SD-R50
Vigilance Double Hung Impact Resistant DP55 / Wind Zone 3	42 x 72	Single Only	0.10 cfm/ft ²	9.82 psf	105.33 psf	DP70	H-R70
Vigilance Awning Impact Resistant DP55 / Wind Zone 3	48 x 32	Single Only	0.01 cfm/ft ²	7.52 psf	82.71 psf	DP55	AP-LC55
Vigilance Casement Impact Resistant DP55 / Wind Zone 3	32 x 65	Single Only	0.02 cfm/ft ²	8.35 psf	82.71 psf	DP55	C-C55
Vigilance Picture Window *** Impact Resistant DP55 / Wind Zone 3 ***Replacement frame only	64 x 65	Single Only	0.01 cfm/ft ²	8.35 psf	82.71 psf	DP55	F-C55
Helix Tilt and Turn	60 x 80	Single	0.02 cfm/ft ²	15.30 psf	60.19 psf	DP40	DAW-C40
	40 x 84	Single	0.01 cfm/ft ²	15.30 psf	90.22 psf	DP60	DAW-C60
	60 x 48	Single	0.01 cfm/ft ²	15.30 psf	97.74 psf	DP65	DAW-C65
	40 x 74	Single	0.02 cfm/ft ²	15.30 psf	105.33 psf	DP70	DAW-C70
Helix Picture Window	59 x 99	Single	0.01 cfm/ft ²	20.00 psf	112.50 psf	DP75	F-LC75

Product Line	Unit Size W x H	Configuration	Air Infiltration	Water Resistance	Structural Test Pressure	Design Pressure	Structural Rating
Acoustic Vinyl Casement (STC 35 & 40)	36 x 80†	Single	0.02 cfm/ft²	8.35 psf	82.71 psf	DP55	C-C55
Acoustic Fixed Vinyl Casement / Awning (STC 35 & 40)	41 x 78†	Single	0.01 cfm/ft²	7.52 psf	75.19 psf	DP50	C-C50
Majesty Double Hung	44 x 75	Single	0.17 cfm/ft²	5.43 psf	52.66 psf	DP35	H-R35
Majesty Picture Window	54 x 54	Single	0.11 cfm/ft²	3.76 psf	52.63 psf	DP35	F-LC35
Majesty Casement	32 x 72	Single	0.03 cfm/ft²	3.76 psf	37.59 psf	DP25	C-LC25
Majesty Fixed Casement	60 x 72	Single	0.01 cfm/ft²	3.13 psf	30.08 psf	DP20	F-R20
Majesty Awning	48 x 39	Single	0.03 cfm/ft²	5.43 psf	52.63 psf	DP35	AP-C35
Majesty Gliding Window	72 x 61	2-Lite	0.26 cfm/ft²	3.75 psf	37.59 psf	DP25	HS-R25
Majesty Gliding Patio Door	72 x 108	2-Lite	0.24 cfm/ft²	4.59 psf	45.11 psf	DP30	SD-R30
	96 x 96	2-Lite	0.19 cfm/ft²	6.90 psf	60.15 psf	DP40	SD-LC40
	192 x 82	4-Lite	0.21 cfm/ft²	5.43 psf	52.63 psf	DP35	SD-R35
	192 x 96	4-Lite	0.18 cfm/ft²	3.75 psf	37.59 psf	DP25	SD-LC25
Majesty Hinged Patio Door In-swing Multi Point	64 x 82	2-Lite	0.08 cfm/ft²	6.90 psf	60.15 psf	DP40	SHD-R40
	64 x 96	2-Lite	0.10 cfm/ft²	6.90 psf	60.15 psf	DP40	SHD-R40
	72 x 96	2-Lite	0.10 cfm/ft²	7.52 psf	75.19 psf	DP50	SHD-R50
	72 x 108	2-Lite	0.08 cfm/ft²	4.59 psf	45.11 psf	DP30	SHD-R30
Majesty Hinged Patio Door Out-swing Multi Point	64 x 82	2-Lite	0.20 cfm/ft²	6.90 psf	60.15 psf	DP40	SHD-R40
	64 x 96	2-Lite	0.10 cfm/ft²	6.90 psf	60.15 psf	DP40	SHD-R40
	72 x 96	2-Lite	0.10 cfm/ft²	7.52 psf	75.19 psf	DP50	SHD-LC50
	72 x 108	2-Lite	0.04 cfm/ft²	4.59 psf	45.11 psf	DP30	SHD-R30

Notes:

† Reinforced sash

** Sill Rise Extender will reduce clear opening height by 9/16"

*** Vigilance Picture Window is available as a 3 1/4" replacement frame only.

Legend:

Product Line	Describes that product line of windows and doors and provides the Name for that line.
Unit Size	Shows the overall size of the window tested to achieve the results listed.
Configuration	Indicates the window or door configuration, number of units and/or shape tested
Air Infiltration	A measure of a windows air flow passing through the window taken at 1.57 psf. (25 mph equivalent).
Water Resistance	A measure of a windows water performance or resistance to water entry expressed in psf.
Structural Test Pressure	Overload pressure used during testing (1.5 x Design Pressure)
Design Pressure (DP Rating)	Overall structural performance rating for the subject window based on Air, Water and Structural performance
psf	Pressure measurement = Pounds per square foot (Lbs./ft²)
cfm/ft²	Air Infiltration measurement expressed in Cubic Feet / Minute / Square Foot of window or Door
Single	Indicates a single unit was tested to achieve the results
2-Wide CJ	Indicates window is a 2-Wide unit made in a Common Jamb configuration
3-Wide CJ	Indicates window is a 3-Wide unit made in a Common Jamb configuration
2-Lite	Indicates a 2-Lite window configuration on windows that can be 2 or 3 lites
3-Lite	Indicates a 3-Lite window configuration on windows that can be 2 or 3 lites

Performance Class

R = Residential Performance	≥DP15
LC = Light Commercial Performance	≥DP25
C = Commercial Performance	≥DP30

Product Type:

H = Single or Double Hung window
AP = Awning Projected Window
C = Casement Window
F = Fixed Window
HS = Horizontal Slider Window
DAW = Dual Action Window
SD = Sliding Door
SHD = Side Hinged Door

Test results subject to change due to periodic retesting.



Photovoltaic roof panels, New London, CT location

OUR COMMITMENT

For more than 50 years at Harvey Building Products, we've taken our responsibilities seriously by being committed to our employees, our customers, as well as our business partners. And, we are committed to environmental responsibility and natural resource preservation.

We believe our products and practices, from raw materials, to trucking, to superior energy efficiency, make us one of the nation's premiere green building products manufacturer and distributor.

Our focus on environmental responsibility is most evident in our products. We provide products that help people minimize their environmental footprint while reducing energy usage. But what gives our program depth and sets us apart are all the things going on behind the scenes, with everything our team does before our products ever get to your job site.

Partner with Harvey and **CONSTRUCT WITH CONFIDENCE.**

Harvey Commercial Solutions
harveycommercial.com
team@harveycommercial.com
800-225-5724