



DESIGN REVIEW BOARD APPLICATION

**Administered by:
Design Review Board**

Property Address*: 1030 Poplar Avenue Memphis, TN 38105

Applicant Name & Mailing Address: 1030 Poplar LLC

Applicant Phone Number: 901 252-0735 Ext 1 Applicant Fax Number: _____

Property Owner's Name & Mailing Address: 1030 Poplar Avenue Memphis, TN 38105

Property Owner's Phone Number: 901 252-0735 Ext 1

The proposed work consists of the following (check all that apply):

- Sign Renovation
New Building Other Exterior Alteration

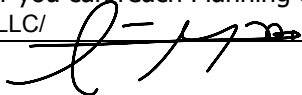
Project Description:

The project is a rehabilitation of 84 multifamily apartments, of which 66 are studios and 18 are 1 bedroom apartments. Total leasable sqft is 34,360. The rehabilitation will include a full replacement of all interior finishes and utilities. This rehabilitation will use the existing structures of the buildings as well as the intended usage when first developed but replacing all necessary exterior components in regards to any existing dilapidated materials and code update requirements. The project is centered around a communal atmosphere with two lush courtyards and a hangout/grill area. Each apartment will have their own washer/dryer stackable appliance.

Status of Project:

The design phase of the project has largely been completed. Once design approval is given we intend to start construction as soon as we have made best faith efforts to hiring Minority Owned Business Contractors.

A complete application must be submitted to the Development Department no later than two weeks before a regularly scheduled meeting of the Design Review Board. Please submit the application with any necessary attachments to designreview@downtownmemphis.com. Questions can also be e-mailed to designreview@downtownmemphis.com, or you can reach Planning & Development staff at (901) 575 - 0540.

Owner/Applicant Signature: 1030 Poplar LLC/ 

Date: 2/22/21

*Applications for properties that are located within a Landmarks Historic District may require additional approval from the Landmarks Commission. Please contact the Shelby County Division of Planning & Development at (901) 576-6601 for more information.



FIVE ONE

1 0 3 0
p o p l a r
a v e n u e
02 22 21

b u i l d i n g
i m p r o v e m e n t s



**TOTAL PARKING:
84 STALLS**

- 4 VISITOR STALLS
- 5 ACCESSIBLE STALLS (5.8%)
- 21 COMPACT STALLS (25%)
- 54 STANDARD STALLS

DUMPSTER

DUMPSTER

COURTYARD

20

14

EXIT GATE

24 AMENITY DECK

PEDESTRIAN GATE (ADA)

5

COURTYARD

ENTRY GATE

STREET ENTRY

17

4

PERIMETER FENCING

PEDESTRIAN GATE (ADA)

LANDSCAPED PEDESTRIAN ENTRY (ADA)





EXISTING FACADE



PROPOSED FACADE



PNT-1
SW SHOJI WHITE
SW-7042



PNT-2
SW IRON ORE
SW-7069



FC-1
FIBER CEMENT LAP-SIDING,
SOFFIT AND TRIM
MFR: JAMES HARDIE
FINISH: SMOOTH
COLOR: PNT-1



FC-2
FIBER CEMENT LAP-SIDING,
SOFFIT AND TRIM
MFR: JAMES HARDIE
FINISH: SMOOTH
COLOR: PNT-2



BRICK-1
EXISTING BRICK PAINTED PNT-1



BRICK-2
EXISTING BRICK PAINTED PNT-2



WOOD-1
EXTERIOR TREATED
CEDAR RAINSCREEN
2X3 RANDOM LENGTHS
MFR: LOCALLY SOURCED
STAIN: OLYMPIC NATURAL



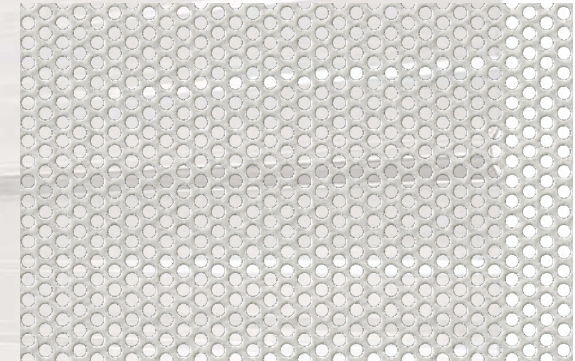
MTL-3
3/16" HOT-ROLLED
PLATE STEEL
MFR: LOCALLY SOURCED
COLOR: BLACK (PATINA)



MTL-2
38" HEAVY-DUTY WELDED BAR GRATING
APPLIED TO EXISTING GUARDRAIL
MFR: MCNICHOLS
COLOR: GALVANIZED, POWDER COATED



MTL-1
EXPOSED FASTENER
METAL R-PANEL
MFR: MORIN-KINGSPAN
PROFILE: BR9-35
COLOR: WHITE



MTL-4
PERFORATED METAL PANEL
MFR: MORIN-KINGSPAN
PROFILE: VB-36
1/8" Hole - 3/16" Spacing 40% Open
COLOR: WHITE



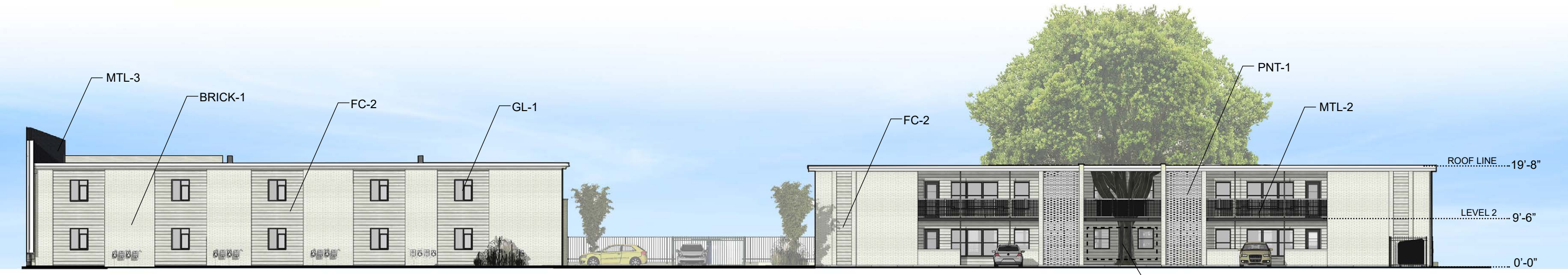
DOOR-1
36"X80" FULL-LITE DOOR
MFR: JED-WEN
COLOR: BLACK



GL-1
ALUMINUM TRIPLE-PANEL
CASEMENT WINDOW
MFR: APRO AS2047
FRAME COLOR: BLACK

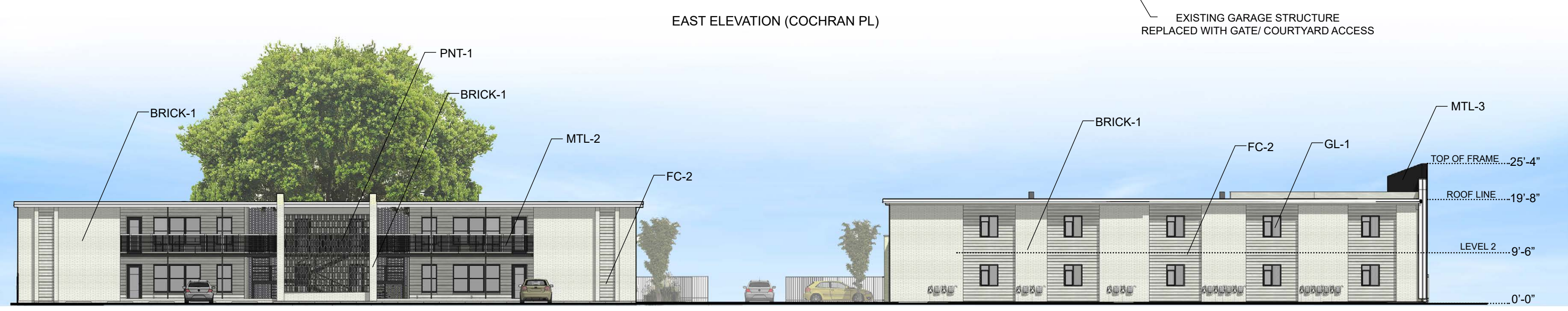


NORTH ELEVATION (POPLAR AVE)



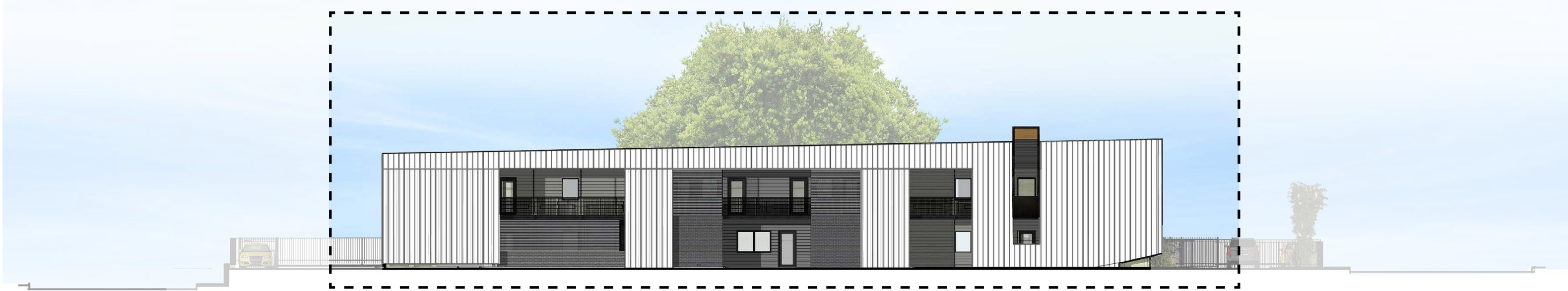
EAST ELEVATION (COCHRAN PL)

EXISTING GARAGE STRUCTURE
REPLACED WITH GATE/ COURTYARD ACCESS

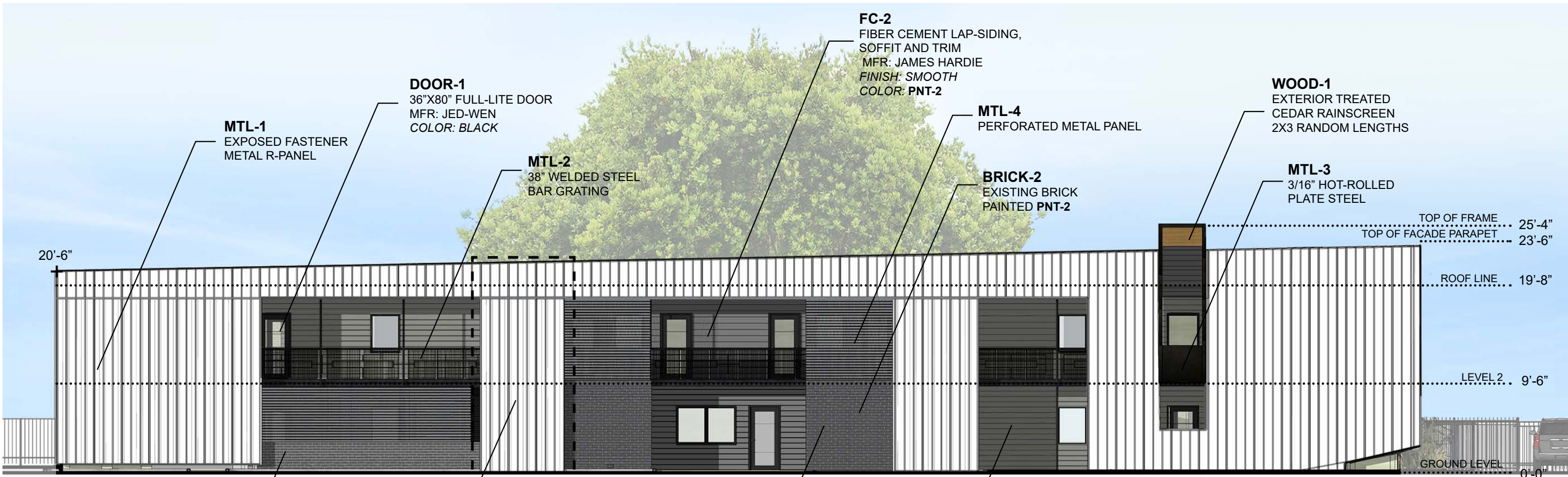


WEST ELEVATION (DECATUR ST)





NORTH ELEVATION (POPLAR AVE)

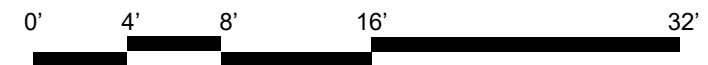


REPAIR AND REPOINT
EXISTING BRICK, AS REQ'D

NEW METAL PANEL IS FRAMED
OUTBOARD OF EXISTING STONE/CMU
WALLS.

REPAIR AND REPOINT
EXISTING BRICK, AS REQ'D

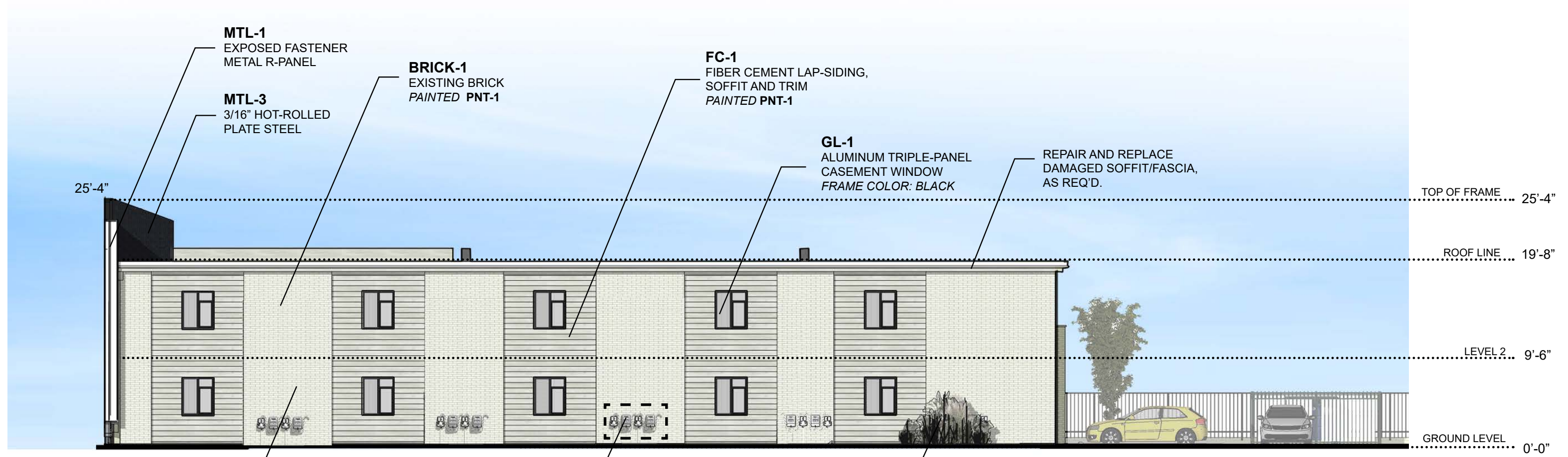
REPAIR AND REPLACE
DAMAGED FASCIA, AS REQ'D.



ELEVATION ENLARGEMENTS (NORTH)



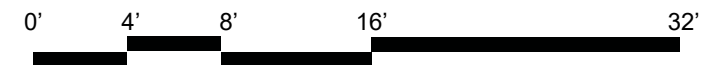
EAST ELEVATION (COCHRAN PL)



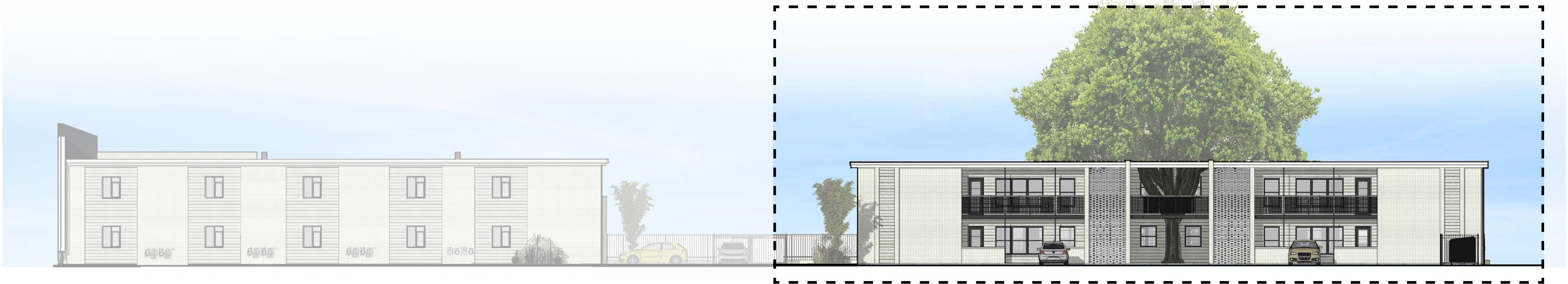
REPAIR AND REPOINT
EXISTING BRICK, AS REQ'D

MODIFY METER COUNT PER NEW
UNIT CONFIGURATION

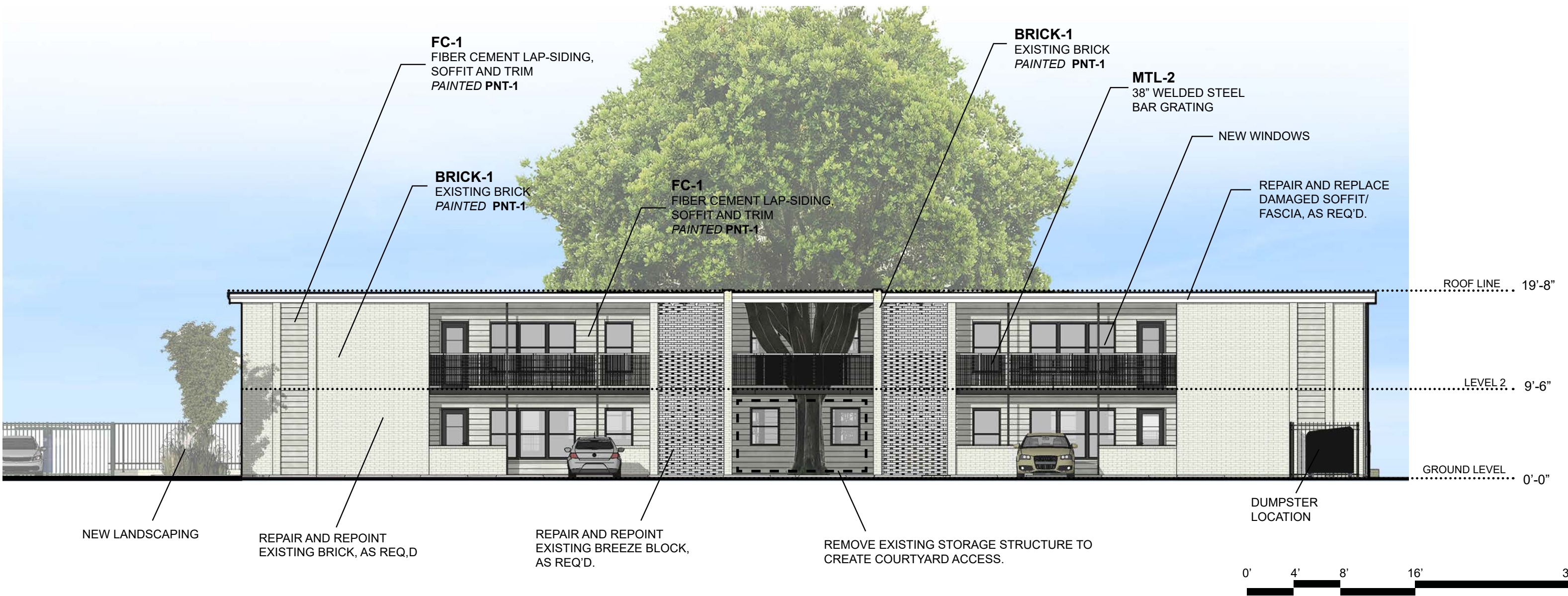
NEW LANDSCAPING



ELEVATION ENLARGEMENTS (EAST 1/2)



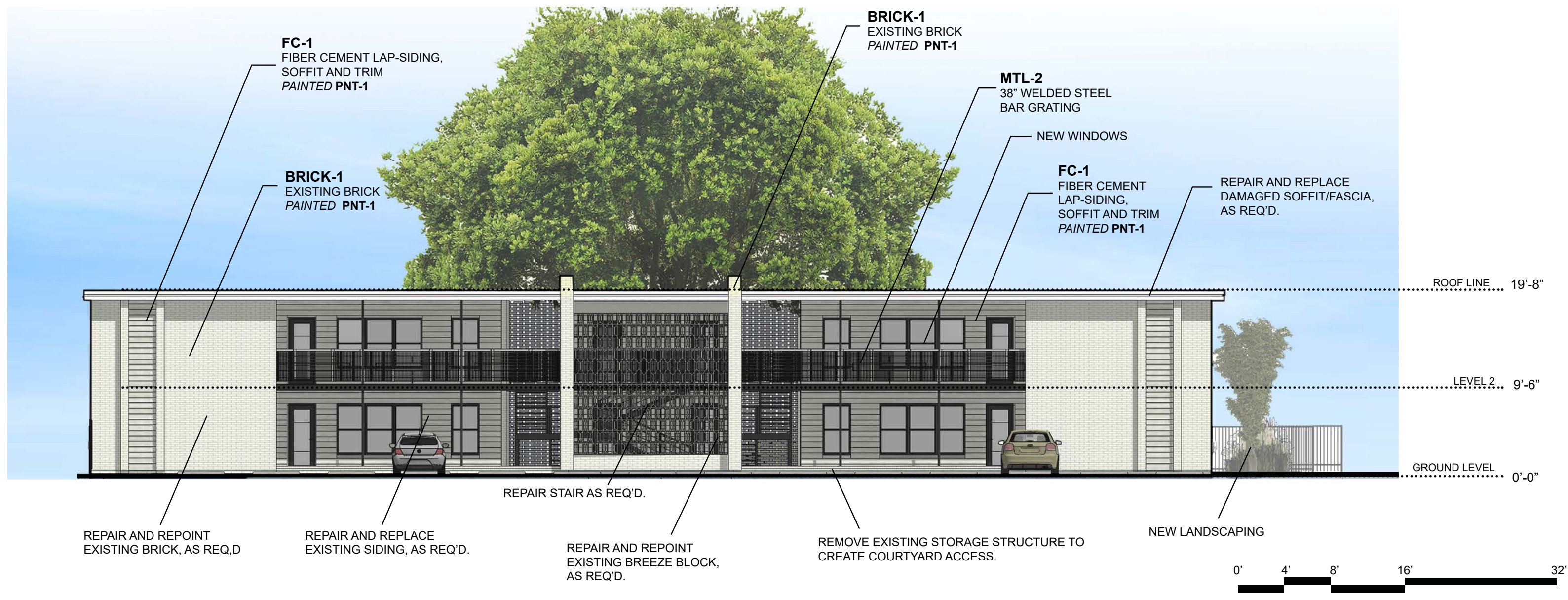
EAST ELEVATION (COCHRAN PL)



ELEVATION ENLARGEMENTS (EAST 2/2)



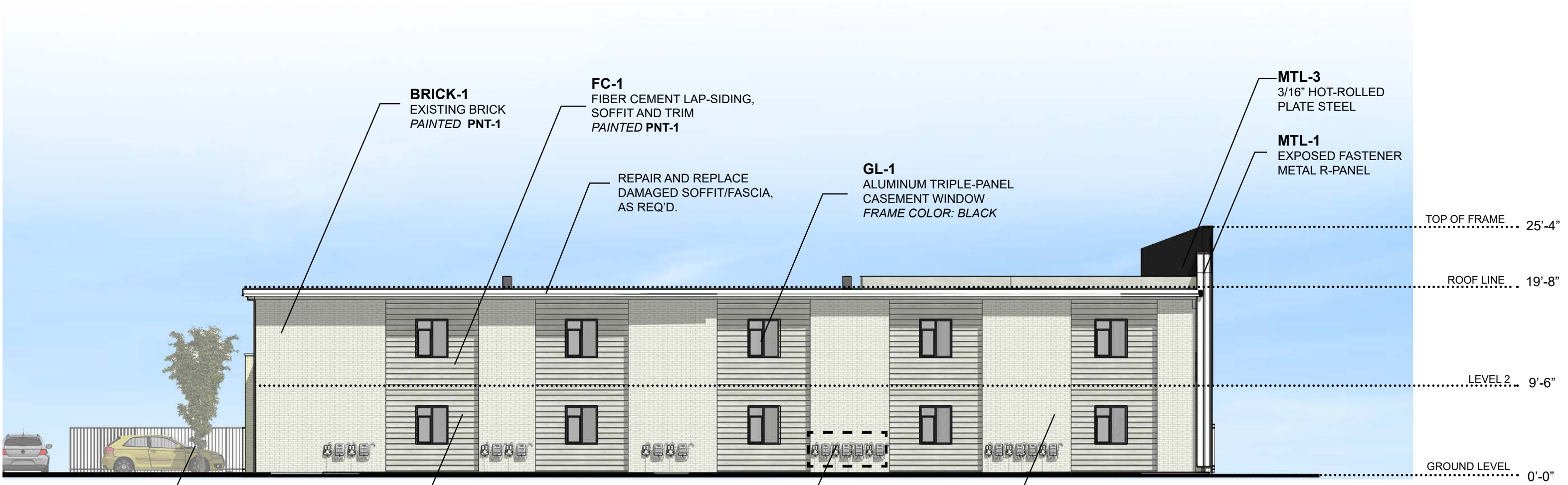
WEST ELEVATION (DECATUR ST)



ELEVATION ENLARGEMENTS (WEST 1/2)



WEST ELEVATION (DECATUR ST)



BRICK-1
EXISTING BRICK
PAINTED PNT-1

FC-1
FIBER CEMENT LAP-SIDING,
SOFFIT AND TRIM
PAINTED PNT-1

REPAIR AND REPLACE
DAMAGED SOFFIT/FASCIA,
AS REQ'D.

GL-1
ALUMINUM TRIPLE-PANEL
CASEMENT WINDOW
FRAME COLOR: BLACK

MTL-3
3/16" HOT-ROLLED
PLATE STEEL

MTL-1
EXPOSED FASTENER
METAL R-PANEL

TOP OF FRAME . . . 25'-4"

ROOF LINE . . . 19'-8"

LEVEL 2 . . . 9'-6"

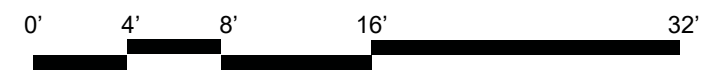
GROUND LEVEL . . . 0'-0"

NEW LANDSCAPING

REPAIR AND REPLACE
EXISTING SIDING, AS REQ'D.

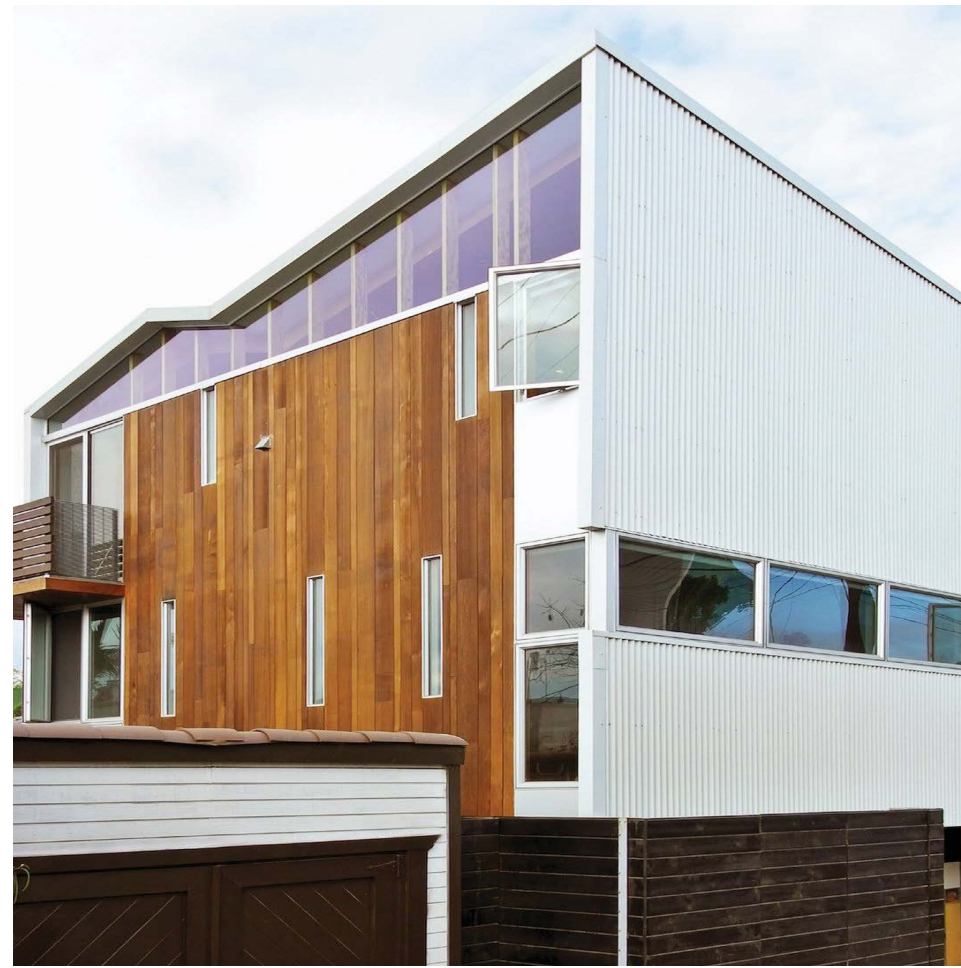
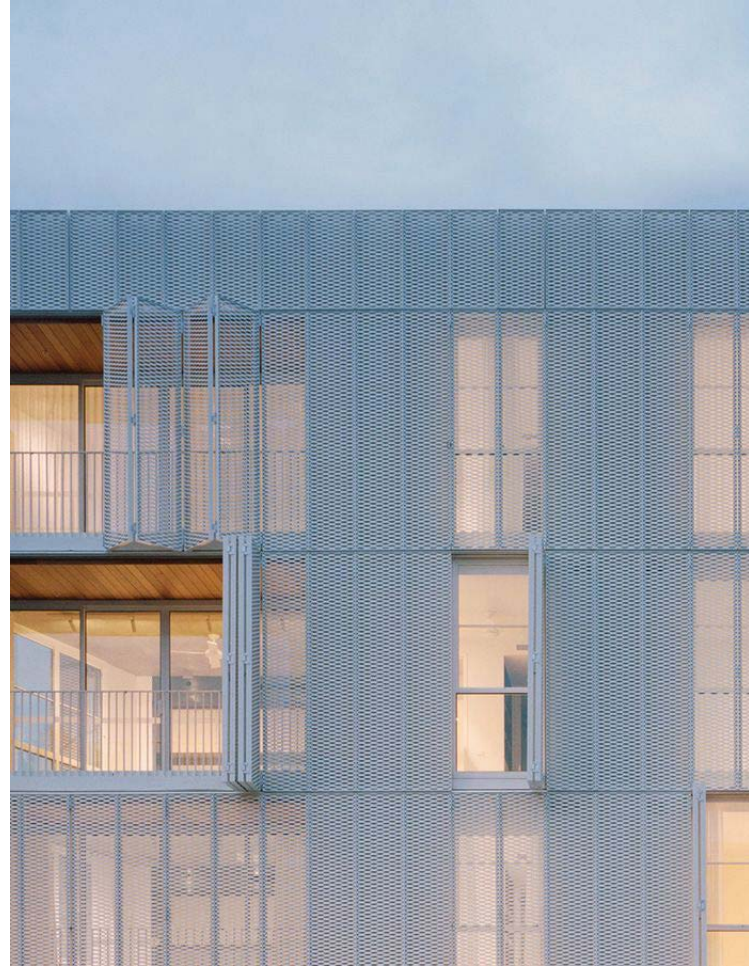
MODIFY METER COUNT PER NEW
UNIT CONFIGURATION

REPAIR AND REPOINT
EXISTING BRICK, AS REQ'D



ELEVATION ENLARGEMENTS (WEST 2/2)







PEDESTRIAN GATE
W/ ACCESS CONTROL
(ADA)

PEDESTRIAN GATE
W/ ACCESS CONTROL
(ADA)

LANDSCAPED
PEDESTRIAN ENTRY (ADA)

MAIN ENTRY CORNER

FIVE ONE

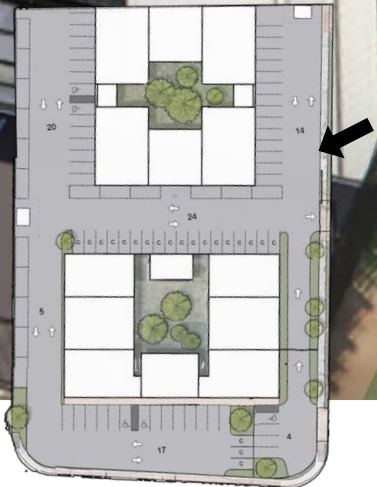


AERIAL PERSPECTIVE LOOKING NORTH

FIVE ONE



AERIAL PERSPECTIVE LOOKING EAST



AERIAL PERSPECTIVE LOOKING WEST



VIEW FROM NORTHEAST CORNER OF SITE



VIEW BETWEEN STRUCTURES (WEST)



VIEW FROM NORTHWEST CORNER OF SITE



Exposed Fastener Wall Series

Exposed fastener wall and roof panels are used on every type of building today from industrial manufacturing plants to Class A office buildings.



Whether it's the traditional wave C profile or the bold O-24 profile, the many interesting designs available within this product line are numerous.

- Seventeen unique profiles
- Overlapping side joint design
- Weather resistant or rainscreen rear ventilated application
- May be insulated to meet required thermal values
- Ideal for new or retrofit projects
- Smooth surface standard, stucco embossed texture optional
- Perforated options available
- All PVDF painted finishes available

Panel Depth:
1/2" (13mm) to 4" (102mm)

Cover Width:
24" (610mm) to 40" (1016mm)

Lengths:
5' (1.52m) to 30' (9.14m) standard.
Shorter and longer lengths available

Galvalume / Zinalume Painted Steel Options:
18 GA (.91mm) / 20 GA (.91mm) /
22 GA (.76mm) / 24 GA (.60mm)

Aluminum Options:
.050 GA (1.27mm) / .040 GA (1mm)

Stainless Steel Options:
20 GA (.91mm) / 22 GA (.76mm) /
24 GA (.60mm)

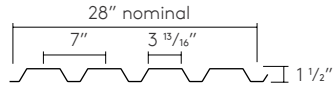
Zinc Options:
18 GA (1.19mm) / 20 GA (1.0mm) /
22 GA (.91mm)

Natural Copper Options:
20 oz. / 16 oz.

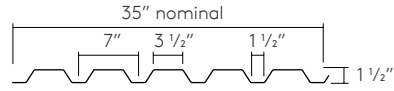
Application:
Horizontal or vertical



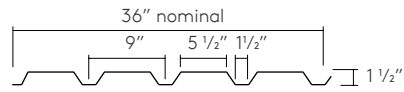
BR-28



BR7-35*

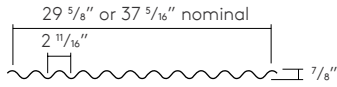


BR9-36

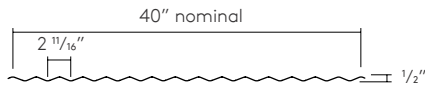


C-37-7/8"

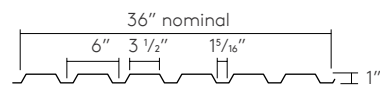
C-29-7/8"



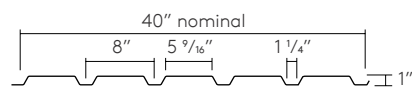
C-40/1/2"



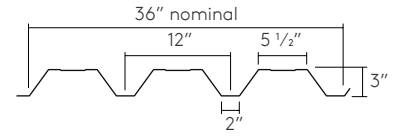
E-36



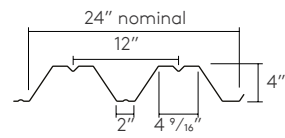
E8-40



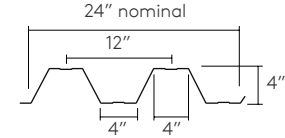
MR-36



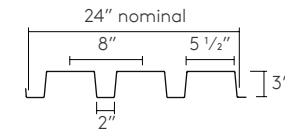
O-24



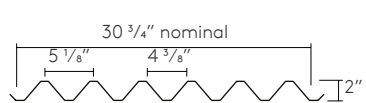
O-24W



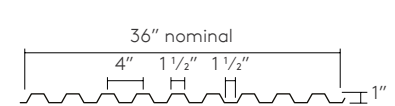
U-24



VB-31

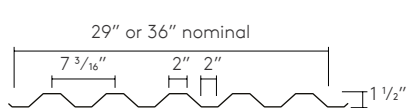


VB-36



Y-29

Y-36



SECTION 07462

SIDING

(James Hardie HZ10 Engineered for Climate Siding)

Display hidden notes to specifier. (Don't know how? [Click Here](#))
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PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Fiber cement lap siding, panels, shingle, trim, fascia, moulding and accessories; James Hardie HZ10 Engineered for Climate Siding.
- B. Factory-finished fiber cement lap siding, panels, shingle, trim, fascia, moulding and accessories; James Hardie HZ10 Engineered for Climate Siding.

1.2 RELATED SECTIONS

- A. Section 05400 - Light Gage Metal Framing: Wall framing and bracing.
- B. Section 06100 - Rough Carpentry: Wood framing and bracing.
- C. Section 06100 - Rough Carpentry: Sheathing.
- D. Section 07210 - Insulation: Exterior wall insulation.

1.3 REFERENCES

- A. AS D3359 - Standard Test Method for Measuring Adhesion by Tape Test, Tool and Tape.
- B. AS E136 - Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 degrees C.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Shop Drawings: Provide detailed drawings of atypical non-standard applications of cementitious siding materials which are outside the scope of the standard details and specifications provided by the manufacturer.
- D. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- E. Verification Samples: For each finish product specified, two samples, minimum size

4 by 6 inches (100 by 150 mm), representing actual product, color, and patterns.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: Minimum of 2 years experience with installation of similar products.
- B. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
 - 1. Finish areas designated by Architect.
 - 2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
 - 3. Remodel mock-up area as required to produce acceptable work.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store siding on edge or lay flat on a smooth level surface. Protect edges and corners from chipping. Store sheets under cover and keep dry prior to installing.
- C. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.7 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.8 WARRANTY

- A. Product Warranty: Limited, non-pro-rated product warranty.
 - 1. HardiePlank HZ10 lap siding for 30 years.
 - 2. HardiPanel HZ10 vertical siding for 30 years.
 - 3. HardieSoffit HZ10 panels for 30 years.
 - 4. HardieShingle HZ10 siding for 30 years.
 - 5. HardieTrim HZ10 boards for 15 years.
 - 6. Artisan HZ10 lap siding for 30 years.
- B. Finish Warranty: Limited product warranty against manufacturing finish defects.
 - 1. When used for its intended purpose, properly installed and maintained according to Hardie's published installation instructions, James Hardie's ColorPlus finish with ColorPlus Technology, for a period of 15 years from the date of purchase: will not peel; will not crack; and will not chip. Finish warranty includes the coverage for labor and material.
- C. Workmanship Warranty: Application limited warranty for 2 years.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: James Hardie Building Products, Inc., which is located at: 26300 La Alameda Suite 400 ; Mission Viejo, CA 92691; Toll Free Tel: 866-274-3464; Tel: 949-367-4980; Fax: 949-367-4981; Email: [request info \(info@jameshardie.com\)](mailto:request_info@jameshardie.com); Web: www.jameshardiepros.com.

- B. Substitutions: Not permitted.
- C. Requests for approval of equal substitutions will be considered in accordance with provisions of Section 01600.

2.2 SIDING AND TRIM

- A. HardiePlank HZ10 lap siding, HardiPanel HZ10 vertical siding, HardieSoffit HZ10 panels and HardieShingle HZ10 siding requirement for materials:
 - 1. Fiber-cement siding - complies with ASTM C 1186 Type A Grade II.
 - 2. Fiber-cement siding - complies with ASTM E 136 as a noncombustible material.
 - 3. Fiber-cement siding - complies with ASTM E 84 Flame Spread Index = 0, Smoke Developed Index = 5.
 - 4. CAL-FIRE, Fire Engineering Division Building Materials Listing - Wildland Urban Interface (WUI) Listed Product.
 - 5. ICC-ES evaluation reports ESR-2290, ESR-1844, and ESR-2273 (IBC, IRC, CBC, CRC)
 - 6. City of Los Angeles, Research Report No. 24862.
 - 7. Miami Dade County, -Notice of Acceptance -15-0122.04.
 - 8. US Department of Housing and Urban Development Materials Release - 1263f.
 - 9. California DSA PA-019.
 - 10. City of New York M EA 223-93-M.
 - 11. Florida State Product Approval -FL13192, FL13223, and FL13265
 - 12. Texas Department of Insurance Product Evaluation EC-23.
- B. Artisan HZ10 lap siding requirement for Materials:
 - 1. Fiber-cement siding - complies with ASTM C 1186 Type A Grade II.
 - 2. Fiber-cement siding - complies with ASTM E 136 as a noncombustible material.
 - 3. Fiber-cement Siding - complies with ASTM E 84 Flame Spread Index = 0, Smoke Developed Index = 5.
 - 4. ICC-ES evaluation report ESR-2290
 - 5. Intertek Product Listing.
 - 6. CAL-FIRE, Fire Engineering Division Building Materials Listing - Wildland Urban Interface (WUI) Listed Product.
 - 7. Florida State Product Approval FL-13192.
 - 8. Miami Dade County, Florida Notice of Acceptance -15-0122.04.
 - 9. Texas Department of Insurance Product Evaluation EC-55.
 - 10. Manufacturer's Technical Data Sheet.
- C. Lap Siding: Artisan HZ10 Lap Siding as manufactured by James Hardie Building Products, Inc.
 - 1. Type: Smooth 5-1/4 inches (133 mm) with 4 inches (102 mm) exposure.
 - 2. Type: Smooth 7-1/4 inches (184 mm) with 6 inches (152 mm) exposure.
 - 3. Type: Smooth 8-1/4 inches (210 mm) with 7 inches (178 mm) exposure.
 - 4. Type: Texture 5-1/4 inches (133 mm) with 4 inches (102 mm) exposure.
 - 5. Type: Texture 7-1/4 inches (184 mm) with 6 inches (152 mm) exposure.
 - 6. Type: Texture 8-1/4 inches (210 mm) with 7 inches (178 mm) exposure.
 - 7. Type: Beaded 8-1/4 inches (210 mm) with 7 inches (178 mm) exposure.
- D. Lap Siding: Artisan HZ10 Siding with Lock Joint System as manufactured by James Hardie Building Products, Inc.
 - 1. Type: V-Groove 8-1/4 inches (210 mm) with 7 inches (178 mm) exposure.
 - 2. Type: Shiplap 10-1/4 inches (260 mm) with 9 inches (229 mm) exposure.
 - 3. Type: Square Channel 10-1/4 inches (260 mm) with 9 inches (229 mm)

- exposure.
4. Type: Bevel Channel 10-1/4 inches (260 mm) with 9 inches (229 mm) exposure.
- E. Lap Siding: HardiePlank HZ10 Lap as manufactured by James Hardie Building Products, Inc.
1. Type: Smooth 5-1/4 inches (133 mm) with 4 inches (102 mm) exposure.
 2. Type: Smooth 6-1/4 inches (159 mm) with 5 inches (127 mm) exposure.
 3. Type: Smooth 7-1/4 inches (184 mm) with 6 inches (152 mm) exposure.
 4. Type: Smooth 8-1/4 inches (210 mm) with 7 inches (178 mm) exposure.
 5. Type: Smooth 9-1/4 inches (235 mm) with 8 inches (203 mm) exposure.
 6. Type: Smooth 12 inches (305 mm) with 10-3/4 inches (273 mm) exposure.
 7. Type: Select Cedarmill 5-1/4 inches (133 mm) with 4 inches (102 mm) exposure.
 8. Type: Select Cedarmill 6-1/4 inches (159 mm) with 5 inches (127 mm) exposure.
 9. Type: Select Cedarmill 7-1/4 inches (184 mm) with 6 inches (152 mm) exposure.
 10. Type: Select Cedarmill 8-1/4 inches (210 mm) with 7 inches (178 mm) exposure.
 11. Type: Select Cedarmill 9-1/4 inches (235 mm) with 8 inches (203 mm) exposure.
 12. Type: Select Cedarmill 12 inches (305 mm) with 10-3/4 inches (273 mm) exposure.
 13. Type: Beaded Smooth 8-1/4 inches (210 mm) with 7 inches (178 mm) exposure.
 14. Type: Beaded Cedarmill 8-1/4 inches (210 mm) with 7 inches (178 mm) exposure.
- F. Soffit Panels: HardieSoffit HZ10 soffit panel, factory sealed on 5 sides as manufactured by James Hardie Building Products, Inc.
1. Type: Smooth non-vented, 12 inches (305 mm) by 12 feet (3658 mm).
 2. Type: Smooth non-vented, 16 inches (406 mm) by 12 feet (3658 mm).
 3. Type: Smooth non-vented, 24 inches (610 mm) by 8 feet (2438 mm).
 4. Type: Smooth vented, provides 5 square inches (32.3 sq.cm) of net free ventilation per linear foot, 12 inches (305 mm) by 12 feet (3658 mm).
 5. Type: Smooth vented, provides 5 square inches (32.3 sq.cm) of net free ventilation per linear foot, 16 inches (406 mm) by 12 feet (3658 mm).
 6. Type: Smooth vented, provides 5 square inches (32.3 sq.cm) of net free ventilation per linear foot, 24 inches (610 mm) by 8 feet (2438 mm).
 7. Type: Textured Cedarmill non-vented, 12 inches (305 mm) by 12 feet (3658 mm).
 8. Type: Textured Cedarmill non-vented, 16 inches (406 mm) by 12 feet (3658 mm).
 9. Type: Textured Cedarmill non-vented, 24 inches (610 mm) by 8 feet (2438 mm).
 10. Type: Textured Cedarmill vented, provides 5 square inches (32.3 sq.cm) of net free ventilation per linear foot, 12 inches (305 mm) by 12 feet (3658 mm).
 11. Type: Textured Cedarmill vented, provides 5 square inches (32.3 sq.cm) of net free ventilation per linear foot, 16 inches (406 mm) by 12 feet (3658 mm).
 12. Type: Textured Cedarmill vented, provides 5 square inches (32.3 sq.cm) of net free ventilation per linear foot, 24 inches (610 mm) by 8 feet (2438 mm).
 13. Thickness: 1/4 inch (6 mm).
- G. Trim:

1. HardieTrim HZ10 boards as manufactured by James Hardie Building Products, Inc.
 - a. Product: Batten Boards, 2-1/2 inch (63 mm) width.
 - b. Product: 4/4 Boards, 3-1/2 inch (89 mm) width.
 - c. Product: 4/4 Boards, 5-1/2 inch (140 mm) width.
 - d. Product: 4/4 Boards, 7-1/4 inch (184 mm) width.
 - e. Product: 4/4 Boards, 9-1/4 inch (235 mm) width.
 - f. Product: 4/4 Boards, 11-1/4 inch (286 mm) width.
 - g. Product: 4/4 NT3 Boards, 3-1/2 inch (89 mm) width.
 - h. Product: 4/4 NT3 Boards, 5-1/2 inch (140 mm) width.
 - i. Product: 4/4 NT3 Boards, 7-1/4 inch (184 mm) width.
 - j. Product: 4/4 NT3 Boards, 9-1/4 inch (235 mm) width.
 - k. Product: 4/4 NT3 Boards, 11-1/4 inch (286 mm) width.
 - l. Product: 5/4 Boards, 3-1/2 inch (89 mm) width.
 - m. Product: 5/4 Boards, 5-1/2 inch (140 mm) width.
 - n. Product: 5/4 Boards, 7-1/4 inch (184 mm) width.
 - o. Product: 5/4 Boards, 9-1/4 inch (235 mm) width.
 - p. Product: 5/4 Boards, 11-1/4 inch (286 mm) width.
 - q. Product: 5/4 NT3 Boards, 3-1/2 inch (89 mm) width.
 - r. Product: 5/4 NT3 Boards, 4-1/2 inch (114 mm) width.
 - s. Product: 5/4 NT3 Boards, 5-1/2 inch (140 mm) width.
 - t. Product: 5/4 NT3 Boards, 7-1/4 inch (184 mm) width.
 - u. Product: 5/4 NT3 Boards, 11-1/4 inch (286 mm) width.
 - v. Texture: Smooth.
 - w. Texture: Rustic.
 - x. Texture: Wood Grained.
 - y. Length: 12 feet (3658 mm).
 - z. Thickness: 3/4 inch (19 mm).
 - aa. Thickness: 1 inch (24 mm).
2. HardieTrim HZ10 Fascia boards as manufactured by James Hardie Building Products, Inc.
3. Artisan HZ10 Accent trim as manufactured by James Hardie Building Products, Inc.
4. Fiber-cement trim - complies with ASTM C 1186 Type A Grade II.
5. Fiber-cement trim - complies with ASTM E 136 as a noncombustible material.
6. Fiber-cement trim - complies with ASTM E 84 Flame Spread Index = 0, Smoke Developed Index = 5.
7. Intertek Product Listing.

2.3 FASTENERS

- A. Wood Framing Fasteners:
 1. Wood Framing: 4d common corrosion resistant nails.
 2. Wood Framing: 6d common corrosion resistant nails.
 3. Wood Framing: 8d box ring common corrosion resistant nails.
 4. Wood Framing: 0.089 inch (2.2 mm) shank by 0.221 inch (5.6 mm) head by 2 inches (51 mm) corrosion resistant siding nails.
 5. Wood Framing: 0.093 inch (2.4 mm) shank by 0.222 inch (5.6 mm) head by 2 inches (51 mm) corrosion resistant siding nails.
 6. Wood Framing: 0.093 inch (2.4 mm) shank by 0.222 inch (5.6 mm) head by 2-1/2 inches (64 mm) corrosion resistant siding nails.
 7. Wood Framing: 0.091 inch (2.3 mm) shank by 0.221 inch (5.6 mm) head by 1-1/2 inches (38 mm) corrosion resistant siding nails.
 8. Wood Framing: 0.091 inch (2.3 mm) shank by 0.225 inch (5.7 mm) head by 1-1/2 inches (38 mm) corrosion resistant siding nails.

9. Wood Framing: 0.121 inch (3 mm) shank by 0.371 inch (9.4 mm) head by 1-1/4 inches (32 mm) corrosion resistant roofing nails.
 10. Wood Framing: No. 11 gauge 1-1/4 inches (32 mm) corrosion resistant roofing nails.
 11. Wood Framing: No. 11 gauge 1-1/2 inches (38 mm) corrosion resistant roofing nails.
 12. Wood Framing: No. 11 gauge 1-3/4 inches (44 mm) corrosion resistant roofing nails.
- B. Masonry Walls:
1. Masonry Walls: Aerico Stud Nail, ET&F ASM No.-144-125, 0.14 inch (3.6 mm) shank by 0.30 inch (7.6 mm) head by 2 inches (51 mm) long corrosion resistant nails.

2.4 FINISHES

- A. Factory Primer: Provide factory applied universal primer.
1. Primer: Factory primed by James Hardie.
 2. Topcoat: Refer to Section 09900 and Exterior Finish Schedule.
- B. Factory Finish: Refer to Exterior Finish Schedule.
1. Product: ColorPlus Technology by James Hardie.
 2. Definition: Factory applied finish; defined as a finish applied in the same facility and company that manufactures the siding substrate.
 3. Process:
 - a. Factory applied finish by fiber cement manufacturer in a controlled environment within the fiber cement manufacturer's own facility utilizing a multi-coat, heat cured finish within one manufacturing process.
 - b. Each finish color must have documented color match to delta E of 0.5 or better between product lines, manufacturing lots or production runs as measured by photospectrometer and verified by third party.
 4. Protection: Factory applied finish protection such as plastic laminate that is removed once siding is installed
 5. Accessories: Complete finishing system includes pre-packaged touch-up kit provided by fiber cement manufacturer. Provide quantities as recommended by manufacturer.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If framing preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- C. Nominal 2 inch by 4 inch (51 mm by 102 mm) wood framing selected for minimal shrinkage and complying with local building codes, including the use of water-resistive barriers or vapor barriers where required. Minimum 1-1/2 inches (38 mm) face and straight, true, of uniform dimensions and properly aligned.
1. Install water-resistive barriers and claddings to dry surfaces.
 2. Repair any punctures or tears in the water-resistive barrier prior to the installation of the siding.
 3. Protect siding from other trades.
- D. Minimum 20 gauge (33 mm) 3-5/8 inch (92 mm) C-Stud 16 inches maximum on center or 16 gauge (54 mm) 3-5/8 inches (92 mm) C-Stud 24 inches (610 mm)

maximum on center metal framing complying with local building codes, including the use of water-resistive barriers and/or vapor barriers where required. Minimum 1-1/2 inches (38 mm) face and straight, true, of uniform dimensions and properly aligned.

1. Install water-resistive barriers and claddings to dry surfaces.
2. Repair any punctures or tears in the water-resistive barrier prior to the installation of the siding.
3. Protect siding from other trades.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Install a water-resistive barrier is required in accordance with local building code requirements.
- D. The water-resistive barrier must be appropriately installed with penetration and junction flashing in accordance with local building code requirements.
- E. Install Engineered for Climate HardieWrap weather barrier in accordance with local building code requirements.
- F. Use HardieWrap Seam Tape and joint and laps.
- G. Install and HardieWrap flashing, HardieWrap Flex Flashing.

3.3 INSTALLATION - HARDIEPLANK HZ10 LAP SIDING, ARTISAN HZ10 LAP SIDING, AND ARTISAN HZ10 LAP SIDING WITH LOCK JOINT SYSTEM

- A. Install materials in strict accordance with manufacturer's installation instructions.
- B. Starting: Install a minimum 1/4 inch (6 mm) thick lath starter strip at the bottom course of the wall. Apply planks horizontally with minimum 1-1/4 inches (32 mm) wide laps at the top. The bottom edge of the first plank overlaps the starter strip.
- C. Allow minimum vertical clearance between the edge of siding and any other material in strict accordance with the manufacturer's installation instructions.
- D. Align vertical joints of the planks over framing members.
- E. Butt joints must not fall within 4 inches (102 mm) of a stud. Do not nail within 2 inches (51 mm) of the end of planks.
- F. Maintain clearance between siding and adjacent finished grade.
- G. Locate splices at least one stud cavity away from window and door openings.
- H. For proper fastener selection and fastening schedules for various wind load requirements and framing options, refer to the Technical Data Sheet at www.aspyredesign.com.
- I. Face nail to sheathing.
- J. Locate splices at least 12 inches (305 mm) away from window and door openings.

3.4 INSTALLATION - HARDIEPANEL HZ10 VERTICAL SIDING

- A. Install materials in strict accordance with manufacturer's installation instructions.
- B. Block framing between studs where HardiePanel siding horizontal joints occur.
- C. Install metal Z flashing and provide a 1/4 inch (6 mm) gap at horizontal panel joints.
- D. Place fasteners no closer than 3/8 inch (9.5 mm) from panel edges and 2 inches (51 mm) from panel corners.
- E. Allow minimum vertical clearance between the edge of siding and any other material in strict accordance with the manufacturer's installation instructions.
- F. Maintain clearance between siding and adjacent finished grade.
- G. Specific framing and fastener requirements refer to Tables 2 and 3 in National Evaluation Service Report No. NER-405.
- H. Factory Finish Touch Up: Apply touch up paint to cut edges in accordance with manufacturer's printed instructions.
 - 1. Touch-up nicks, scrapes, and nail heads in pre-finished siding using the manufacturer's touch-up kit pen.
 - 2. Touch-up of nails shall be performed after application, but before plastic protection wrap is removed to prevent spotting of touch-up finish.
 - 3. Use touch-up paint sparingly. If large areas require touch-up, replace the damaged area with new pre-finished siding. Match touch up color to siding color through use of manufacturer's branded touch-up kits.

3.5 INSTALLATION - HARDIETRIM HZ10 BOARDS

- A. Install materials in strict accordance with manufacturer's installation instructions. Install flashing around all wall openings.
- B. Fasten through trim into structural framing or code complying sheathing. Fasteners must penetrate minimum 3/4 inch (19 mm) or full thickness of sheathing. Additional fasteners may be required to ensure adequate security.
- C. Place fasteners no closer than 3/4 inch (19 mm) and no further than 2 inches (51 mm) from side edge of trim board and no closer than 1 inch (25 mm) from end. Fasten maximum 16 inches (406 mm) on center.
- D. Maintain clearance between trim and adjacent finished grade.
- E. Trim inside corner with a single board trim both side of corner.
- F. Outside Corner Board Attach Trim on both sides of corner with 16 gage corrosion resistant finish nail 1/2 inch (13 mm) from edge spaced 16 inches (406 mm) apart, weather cut each end spaced minimum 12 inches (305 mm) apart.
- G. Allow 1/8 inch gap between trim and siding.
- H. Seal gap with high quality, paint-able caulk.
- I. Shim frieze board as required to align with corner trim..
- J. Fasten through overlapping boards. Do not nail between lap joints.

- K. Overlay siding with single board of outside corner board then align second corner board to outside edge of first corner board. Do not fasten HardieTrim boards to HardieTrim boards.
- L. Shim frieze board as required to align with corner trim.
- M. Install HardieTrim Fascia boards to rafter tails or to sub fascia.

3.6 FINISHING

- A. Finish unprimed siding with a minimum one coat high quality, alkali resistant primer and one coat of either, 100 percent acrylic or latex or oil based, exterior grade topcoats or two coats high quality alkali resistant 100 percent acrylic or latex, exterior grade topcoat within 90 days of installation. Follow paint manufacturer's written product recommendation and written application instructions.
- B. Finish factory primed siding with a minimum of one coat of high quality 100 percent acrylic or latex or oil based exterior grade paint within 180 days of installation. Follow paint manufacturer's written product recommendation and written application instructions.

3.7 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION



**SHERWIN
WILLIAMS®**

SUPERPAINT®

Exterior Latex High Gloss

A85W00507 Super White
A85W00051 Extra White
A85W00053 Deep Base
A85T00054 Ultradeep Base



As of 11/20/2017, Complies with:			
OTC	Yes	LEED® 09 NC CI	N/A
OTC Phase II	Yes	LEED® 09 CS	N/A
SCAQMD	No	LEED® v4 Emissions	N/A
CARB	Yes	LEED® v4 VOC	No
CARB SCM2007	Yes		
Canada	Yes	MPI	

CHARACTERISTICS

SuperPaint Exterior Latex High Gloss, with improved resistance to early dirt pick up, provides outstanding performance on properly prepared aluminum and vinyl siding, wood, hardboard, masonry, cement, brick, block, stucco, and metal.

VinylSafe™ paint colors allow you the freedom to choose from 100 color options, including a limited selection of darker colors formulated to resist warping or buckling when applied to a sound, stable vinyl substrate.

Recommended for:

- Doors
- Windows
- Trim
- Shutters

Excellent Performance in:

- Block Resistance
- Moisture Resistance
- Gloss Retention
- Flow and Leveling

Color: Most colors
To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350 - 400 sq ft/gal
@ 4 mils wet: 1.8 mils dry

Drying Time, @ 77°F, 50% RH:
Touch: 1 hour
Tack Free: 4 hours
Recoat: 18 hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 70+ units @ 60°

Tinting with CCE:

Base	oz/gal	Strength
Extra White	0-6	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor

Extra White A85W00051
(may vary by base)

VOC (less exempt solvents):
90 g/L; 0.75 lb/gal
As per 40 CFR 59.406 and SOR/2009-264, s.12

Volume Solids: 44 ± 2%
Weight Solids: 53 ± 2%
Weight per Gallon: 9.87 lb
Flash Point: N/A
Vehicle Type: Acrylic

Mildew Resistant
This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

SPECIFICATIONS

SuperPaint Exterior Latex can be self-priming when used directly over existing coatings, or bare drywall, plaster and masonry (with a cured pH of less than 9). The first coat acts like a coat of primer and the second coat provides the final appearance and performance. Please note that some specific surfaces require specialized treatment.

Aluminum & Aluminum Siding, Galvanized Steel, Vinyl Siding

2 cts. SuperPaint Exterior Latex
Concrete Block, CMU, Split face Block

1 ct. Loxon Block Surfacers
2 cts. SuperPaint Exterior Latex
Brick

1 ct. Loxon Conditioner
2 cts. SuperPaint Exterior Latex
Cement Composition Siding/Panels

1 ct. Loxon Concrete & Masonry Primer or Loxon Conditioner
2 cts. SuperPaint Exterior Latex
Stucco, Cement, Concrete

1 ct. Loxon Concrete & Masonry Primer
2 cts. SuperPaint Exterior Latex
Plywood

1 ct. Exterior Latex Wood Primer
2 cts. SuperPaint Exterior Latex
Wood (Cedar, Redwood)¹

1 ct. Exterior Oil-Based Wood Primer
2 cts. SuperPaint Exterior Latex

¹ Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. For best results on these woods, use a coat of Exterior Oil-Based Wood Primer.

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Scrape and sand peeled or checked paint to a sound surface. Sand glossy surfaces dull. Seal stains from water, smoke, ink, pencil, grease, etc. with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Aluminum and Galvanized Steel
Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.

Caulking
Gaps between windows, doors, trim, and other through-wall openings can be filled with the appropriate caulk after priming the surface.

Cement Composition Siding/Panels
Remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, if the pH is higher than 9, prime with Loxon Concrete & Masonry Primer.



SUPERPAINT[®]

Exterior Latex High Gloss

A85W00507 Super White
 A85W00051 Extra White
 A85W00053 Deep Base
 A85T00054 Ultradeep Base

<u>SURFACE PREPARATION</u>	<u>SURFACE PREPARATION</u>	<u>CAUTIONS</u>
<p>Masonry, Concrete, Cement, Block All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer. Cracks, voids, and other holes should be repaired with an elastomeric patch or sealant.</p> <p>Steel Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed the same day as cleaned.</p> <p>Stucco Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.</p> <p>*Vinyl or other PVC Building Products Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, prime with appropriate white primer. Do not paint vinyl with any color darker than the original color or having a Light Reflective Value (LRV) of less than 56 unless VinylSafe[®] Colors are used. If VinylSafe colors are not used the vinyl may warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.</p> <p>Wood, Plywood, Composition Board Clean the surface thoroughly then sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All new and patched areas must be primed. Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, it may show some staining. If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using.</p>	<p>Mildew Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised. Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.</p> <p style="text-align: center;"><u>APPLICATION</u></p> <p>Apply at temperatures above 50°F. No reduction needed.</p> <p>SuperPaint Exterior Latex High Gloss sets up very quickly, providing painted surfaces which resists sticking together (blocking). When used at normal temperature and humidity, windows and doors can be closed after 4 hours drying. Maximum blocking resistance is achieved after 24 hours. With this benefit, some adjustments to your painting approach must be made.</p> <ul style="list-style-type: none"> • Do not paint in direct sun. Temperatures over 80°F and humidity under 30% will make the paint set up quicker. • Do not over-work the product. Load paint on the surface, spread to cover, smooth out with long, even strokes. Finish this area before moving to a new area. Do not attempt to brush back into and further uniform an area once finished. • Work quickly to maintain a wet edge. • Paint objects in a vertical position to reduce the collection of airborne dirt and dust on the drying paint. <p>Brush Use a nylon/polyester brush.</p> <p>Roller 3/8" - 3/4" nap synthetic cover</p> <p>Spray—Airless Pressure2000 psi Tip......013"-.017"</p>	<p style="text-align: center;"><u>CAUTIONS</u></p> <p>For exterior use only. Protect from freezing. Non-photochemically reactive. Not for use on floors.</p> <p>Before using, carefully read CAUTIONS on label.</p> <p>HOTW 11/20/2017 A85W00051 22 90 Viet, KOR</p> <p style="text-align: center;"><u>CLEANUP INFORMATION</u></p> <p>Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with a compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.</p> <p>The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.</p>

SW 7042
Shoji White

Interior / Exterior
Location Number: 254-C4



254

Shoji White

COORDINATING COLORS

SIMILAR COLORS

DETAILS

[View All White & Pastel Paint Colors →](#)

R:230 G:223 B:211 Hex Value:#e6dfd3 LRV:74

Color Collections: Living Well - Inspire, Warm White

SW 7069
Iron Ore

Interior / Exterior
Location Number: 251-C7



251

Iron Ore

COORDINATING COLORS

SIMILAR COLORS

DETAILS

[View All Neutral Paint Colors →](#)

R:67 G:67 B:65 Hex Value:#434341 LRV:6

Color Collections: Nurterer, Pottery Barn Kids - Fall/Winter 2020, Pottery Barn Teen - Fall/Winter 2020, West Elm, Rejuvenation - Fall/Winter 2020



This guide contains procedures for common user serviceable repair tasks found on interior and exterior doors. If a condition arises that is not covered in this guide, please contact us for professional help.

Interior and Exterior doors swing in or out on side hinges and may be single or double door configurations.

Do-It-Yourself

Technician



INTRODUCTION

CONTACT US

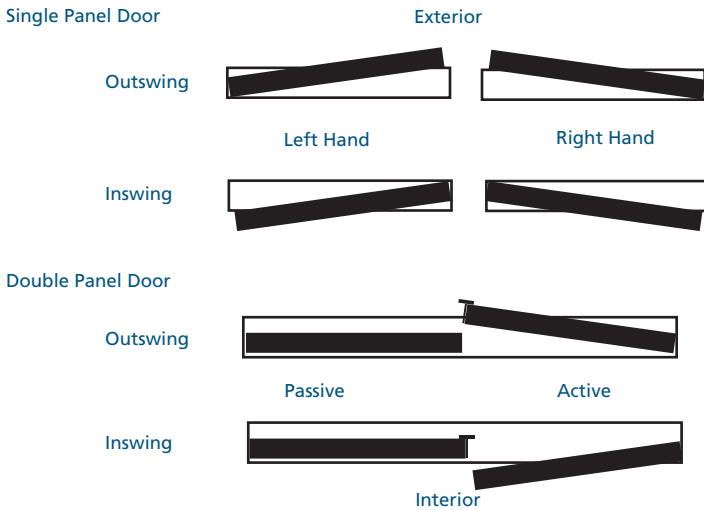
For questions, feel free to contact us by phone or email:

- Email: customerserviceagents@jeld-wen.com
- Phone: (800)-JELD-WEN/(800)-535-3936

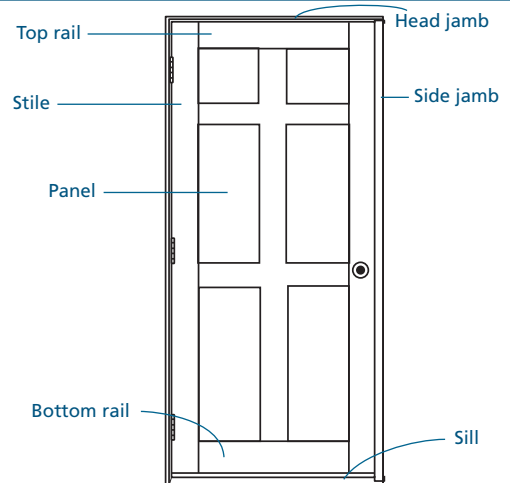
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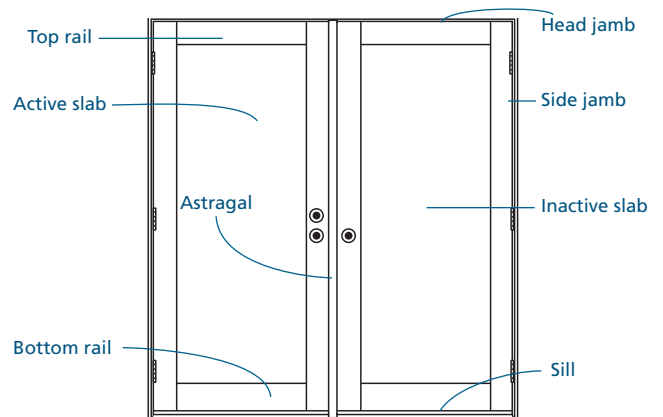
HANDING (SHOWN FROM TOP)



SINGLE DOOR ANATOMY



DOUBLE DOOR ANATOMY



The advice offered herein can be done by a homeowner with some mechanical aptitude. If you are unsure, it is recommended that you hire a trained service provider such as a competent and licensed construction contractor or building professional. JELD-WEN disclaims any and all liability associated with the use and/or provision of these instructions. Any reliance upon the information or advice is at the risk of the party so relying. The information contained herein may be changed from time to time without notification.

PRECAUTIONS & SAFETY

- Follow all manufacturers' instructions and labels.
- Use proper and safe equipment and precautions when cleaning and servicing the exterior side of patio doors above ground level.
- Insect screens are not security devices and will not prevent a child, other person, or pet from falling through.
- Use sharp tools with care to avoid damage to wood surfaces.

- Use extra care when driving screws near glass unit to avoid breakage.
- Use caution when tightening screws to avoid stripping the screw holes.
- Slab removal can be awkward and could cause physical injury or product damage; we recommend the help of a second person.

NEEDED TOOLS & MATERIALS

NEEDED TOOLS

Note! Each tool is not required for every task.

- #2 Phillips head, square drive, and/or flat head screwdrivers
- Hammer
- Nail set/punch
- Tape measure
- Level
- Utility knife
- Putty knives
- Allen wrenches
- Power drill with bits
- Chisel
- Gloves
- Pliers/side cutters

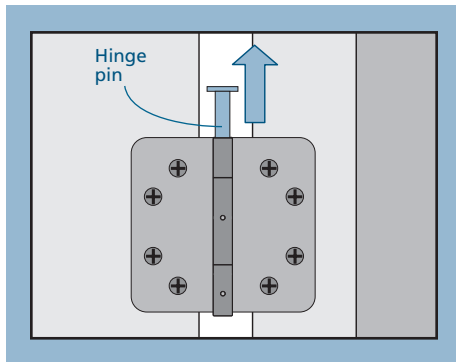
NEEDED MATERIALS

- String
- Tape
- Pencil & paper
- Scissors
- Brad nails
- Shims
- Replacement parts
- For Hardware Replacement:
 - Wooden toothpicks or dowels
 - Wood glue
 - Wood putty
 - Fine sandpaper
 - Finishing supplies
 - Silicone sealant

SLAB & ASTRAGAL REMOVAL & INSTALLATION

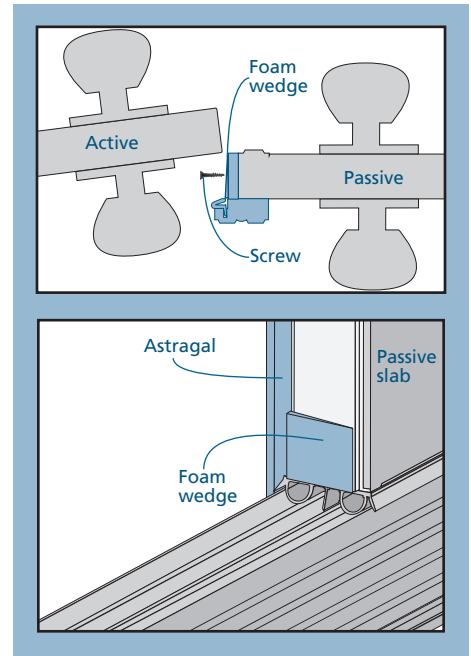
Because slab removal can be awkward and could cause physical injury or product damage, we recommend the help of additional people.

1. Open slab about half way and hold steady with the help of a second person.
2. Only inswing standard door hinges have removable hinge pins. With a small screwdriver or nail punch and hammer, drive hinge pin from bottom hinge, then working up to the top hinge. Doors with automatically closing hinges or outswing doors require removing the screws from one side of the hinge to remove the slab. Take extra precautions when removing the spring loaded automatically closing hinges.
3. Remove slab from frame.
4. To install slab, perform removal steps in reverse order.



ASTRAGAL REPLACEMENT

1. Open the active slab.
2. Remove the screws that attach the astragal.
3. If the astragal doesn't come off, there may be adhesive tape holding it in place. If so, carefully score the joint between the astragal and the slab.
4. Remove the astragal.
5. Fasten the new astragal through the pre-drilled holes in the same location as the old astragal.
6. Install a foam wedge on the passive slab at the bottom with the thick part against the leg of the astragal as shown.



HARDWARE REPLACEMENT & ADJUSTMENT

HARDWARE TYPES

- Metal hardware offers functionality, aesthetic appeal and resistance to corrosion but is not totally corrosion proof.
- Plastic hardware offers high resistance to the elements however, over time it can deteriorate from ultraviolet light, heat, cold, and chemical exposure.
- Brass hardware has a special protective film to reduce/eliminate polishing and requires special care.
- See our complete Care and Maintenance document at www.jeld-wen.com/resources for more information on cleaning and lubricating hardware.

Screw hole repair and hardware alignment, or realignment, are common tasks for any hardware replacement component. Follow these instructions if screw holes become stripped and/or if hardware no longer functions properly due to misalignment.

SCREW HOLE REPAIR (IN WOOD ONLY)

1. Cut wooden toothpicks or appropriate sized wood dowel to fit screw hole just below wood surface.
2. Fill screw hole with wood glue.
3. Insert toothpicks or dowel; let dry.
4. Fill to surface with wood putty; let dry.
5. Sand smooth and refinish; let dry.
6. Drill new pilot hole.

HARDWARE ALIGNMENT (IN WOOD ONLY)

Misalignment can happen if screws have become stripped and cannot be tightened. This alignment will create new screw holes.

1. Remove hardware.
2. Repair screw holes according to the procedure above.
3. Mark new screw holes as follows:
 - Lay hardware in position and hold in place.
 - Mark new screw locations through screw holes.
 - Remove hardware and set aside.
4. Drill pilot holes with 1/16" drill bit at new marked screw hole positions no deeper than screw length.
5. Install hardware.
6. Test operation; if not operating properly, call us for assistance.

HINGE REPLACEMENT AND ADJUSTMENT

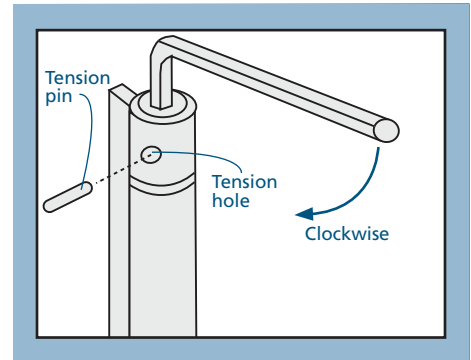
REPLACEMENT

1. Remove slab.
2. Remove hinge plates from slab.
3. Repair screw holes as instructed above if stripped.
4. Install new hinge plates in the same locations.
5. Reinstall slab.

HINGE REPLACEMENT AND ADJUSTMENT - CONTINUED

ADJUSTMENT (SPRING HINGES ONLY)

1. Close door.
2. Insert the provided hex wrench so that it can be rotated clockwise.
3. Rotate hex wrench 1/4 turn and insert tension pin loosely into tension hole.
4. Remove hex wrench and try closing force.
5. Repeat steps until closing force is adequate but do not rotate past 3 holes on 180° openings or 4 holes on 90° openings.



BLINDS BETWEEN THE GLASS

For easiest operation, keep the slats in a fully open position while operating.

ADJUSTMENTS

1. If the operator comes off of the track, hold the operator at a sharp angle to the glass and reinsert the two legs under the track opening.
2. Re-couple the operator magnets.

RE-COUPLE OPERATOR MAGNETS

1. Slide the operator past the half-way engagement point until the first click.
2. Full travel blinds will fully engage when you hear the first click. Half travel (those units with a single side operation) will require you to continue moving the operator up until you hear the second click. This will ensure the magnets are fully engaged.

MECHANISM REPLACEMENT

RAISE & LOWER MECHANISM

1. Place a piece of cardboard between the slide mechanism and the glass to help release the magnets.
2. Tilt the mechanism toward you, and remove the mechanism. It may require a strong tug to break the magnetic bond.
3. Before replacing the new slide mechanism, ensure the glass is clean.
4. Insert the tabs underneath the lip of the inner frame and raise the slide to the top until the magnets engage.
 - a. Full travel blinds will fully engage when you hear the first click.
 - b. Half travel (those units with a single side operation) will require you to continue the travel of the operator up until you hear the second click. This will ensure the magnets are fully engaged.
5. Check for proper operation. Remove and reinstall if necessary.

TILT MECHANISM

1. Move the top helix to the left side. Moving the slider magnet on the outside of the glass can do this. The helix tilt operator has a magnet set which will follow the magnet inside the slide mechanism.
2. Clean the glass attaching area.
3. Peel off the tape on the back of the slider.
4. Before application, push the magnet to the left of the slider. Ensure the slider is facing the right direction (there is a long horizontal gap at the top that allows the magnet housing to slide along the base).
5. Let the magnet be attracted to the left side of the magnet, which is inside the glass. Make sure the slide is horizontal.
6. Push the slide against the glass firmly on the tape area, as the adhesive works under pressure.

WEATHERSTRIP REPLACEMENT

ORDERING NEW WEATHERSTRIP

Weatherstrip gaskets and foam wedges are critical to water and air infiltration control. Check placement and quality of weatherstrip. Replace if damaged.

Fire-rated doors require specific weatherstrip. Please contact us if replacing weatherstrip in a fire-rated door.

Doors will have weatherstrip in the frame where the slab(s) are when normally closed. Some doors have a sweep attached to the bottom of the operating panel where it contacts the threshold. Double doors will have weatherstrip in the astragal.

1. Determine amount needed by measuring each piece to be replaced. Note the location on the door of each type of weatherstrip.
2. For each type of weatherstrip, add all measurements, then add an additional 10%.
3. Round up to the nearest foot.
4. Fill out the following table.

Information for Replacement Weatherstrip	
Product Identification	
Weatherstrip Location	
Weatherstrip Type	
Color	
Amount Needed	

5. Purchase new weatherstrip from a local supplier.

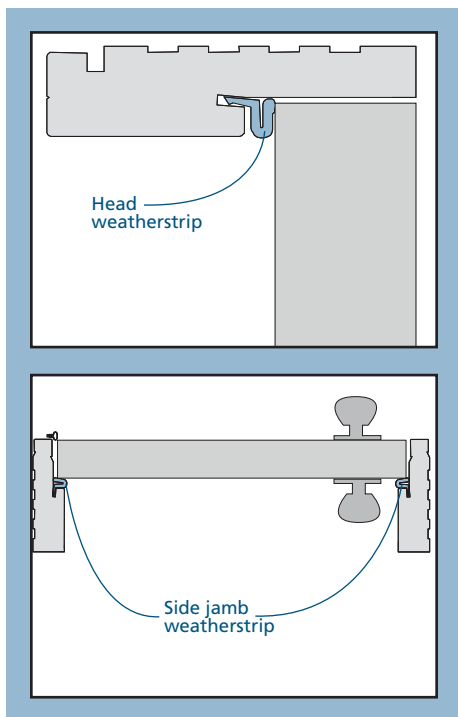
FRAME/THRESHOLD/ASTRAGAL/MULLION WEATHERSTRIP

When replacing both the side and the head weatherstrip in the frame, install head weatherstrip first. Astragal weatherstrip runs vertically along the astragal (between the two slabs of double doors).

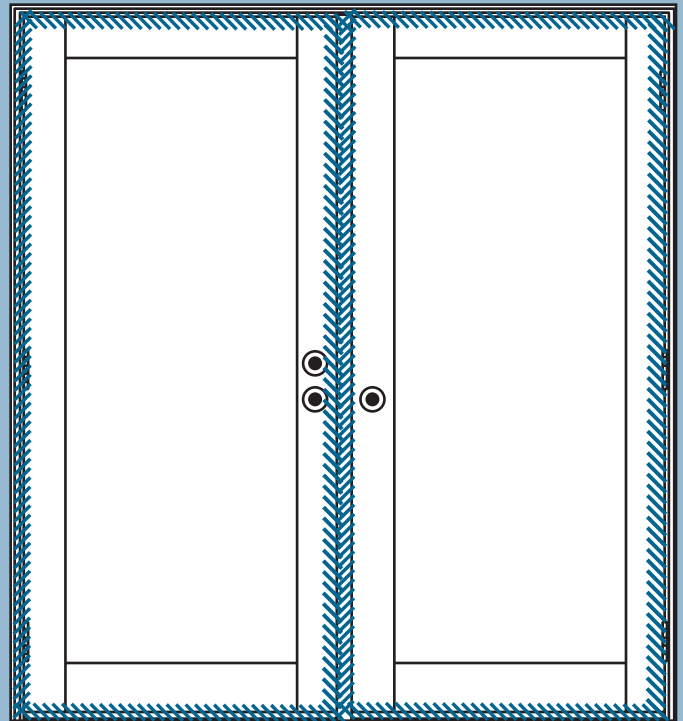
1. Open active panel.
2. Grip weatherstrip and gently pull out of kerf.

When replacing frame weatherstrip, if applicable, trim and overlap the new weatherstrip in the same way as the old weatherstrip.

1. Cut new weatherstrip to length.
2. Work the attachment barb into the kerf from one end to the other.



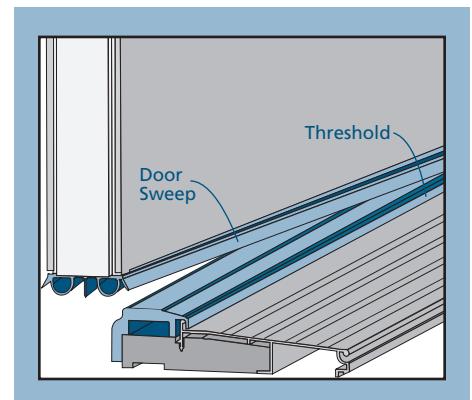
Possible Weatherstrip Locations on Double Doors



DOOR SWEEP (INSWING DOORS ONLY)

The door sweep is mounted on the bottom of the door slab and fills the gap between the threshold and the slab. Due to continual contact with the threshold, the door sweep may lose its shape and cease to provide an effective seal.

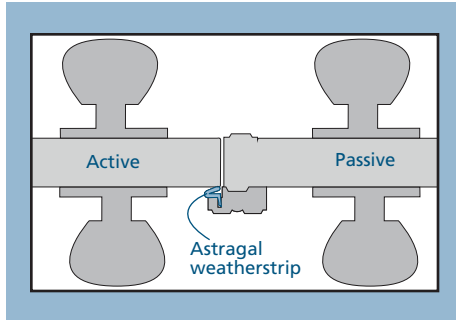
1. Remove slab.
2. Lay slab on flat padded work surface.
3. Remove staples in door sweep with needle nose pliers or side cutters.
4. Pull door sweep loose by starting at one end and working to the other.
5. Clean old sealant off rail with putty knife.
6. Trim new door sweep to same length as the existing one.
7. Cover face (the side with the barbs) of new door sweep with silicone sealant.
8. Work attachment barbs into kerfs from one end of the panel to the other.
9. Secure sweep to the door panel with staples and wipe off sealant squeeze-out. Seal the sweep on both ends with silicone sealant. Reinstall slab.



WEATHERSTRIP REPLACEMENT - CONTINUED

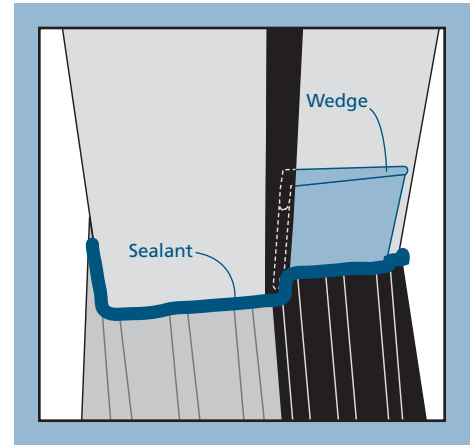
ASTRAGAL WEATHERSTRIP

1. Open active door all the way.
2. Locate the accessible weatherstrip.
3. Grip weatherstrip and gently pull out of kerf.
4. Cut new weatherstrip to length.
5. Work the attachment barb into the kerf from one end to the other.



FOAM WEDGES

The foam wedges included with entry doors are used to complete the weatherstrip seal, at each bottom corner of the operating door slab(s). Doors will be provided with one of two types of wedges. One has an up-turned L-shaped leg (shown) and the other is a simple wedge. For both types, the thin edge faces the edge of the door as it swings closed. Apply a bead of sealant at the intersection of the jambs, brickmoulds, thresholds and floor as shown.

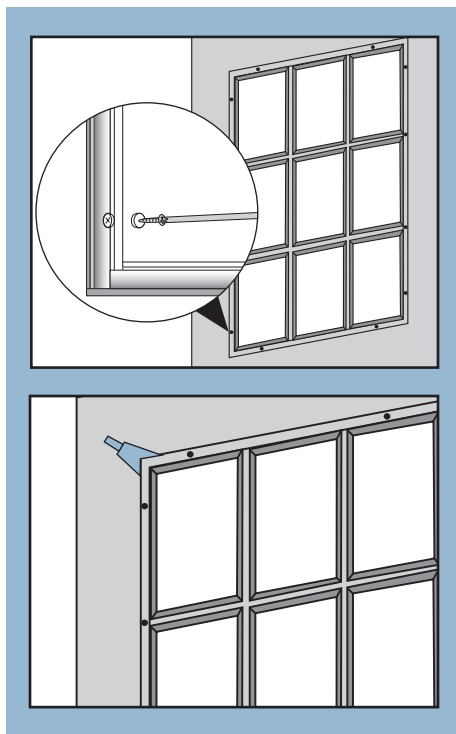


GLASS INSERT REPLACEMENT

REMOVE OLD GLASS INSERT

Note! Handling glass can be dangerous. Glass inserts can be heavy and awkward. Use additional help and always wear protective clothing.

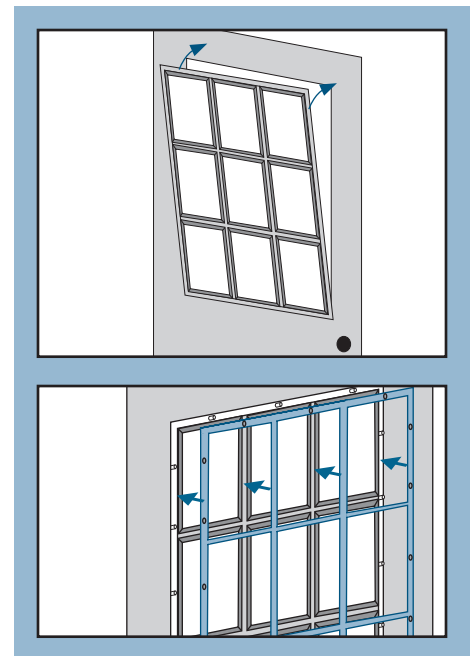
1. If the old insert has screw plugs over the screw heads in the interior frame, drive a drywall screw into the screw plug until it is loose from the hole. Remove all remaining screw plugs in the same manner.
2. Support the glass insert while removing screws to keep it from falling. Remove the screws from the interior frame from the bottom up.
3. When all the screws are removed, slide the edge of a putty knife between a top corner of the interior frame and door.
4. Repeat this procedure around the exterior frame. Remove the glass insert and set aside in a safe location.
5. Clean both sides of the door where the new glass insert will contact the panel with a clean rag dampened with paint thinner. Remove all the old weatherstrip and then wipe again with a clean rag.



INSTALL NEW GLASS INSERT

Note! The exterior frame is attached to the glass and does not have holes; the interior frame has screw holes.

1. Remove packaging materials from the new insert. If shipping screws are holding the unit together, separate the interior and exterior frames by loosening screws. Leave the screws in the interior frame and set aside. Additional screws are provided to complete assembly.
2. Place the lower portion of the exterior frame and glass on the lower edge of the door opening. Horizontally center the frame and glass into the opening and tilt up until the frame is flush against the door.
3. Position the interior frame in the opening using the press fit alignment pins located on the frame.
4. Secure the frame halves together by driving the screws through the interior frame and into the exterior frame with a Phillips head screwdriver until snug. Power drivers can be used on the lowest torque setting. Screws must then be checked with a hand screwdriver.
5. Finishing instructions are provided on the label attached to the door glass. Please read this BEFORE removing the label.
6. Insert the provided screw hole plugs over all exposed screw heads.
7. Clean glass with mild soap and water.



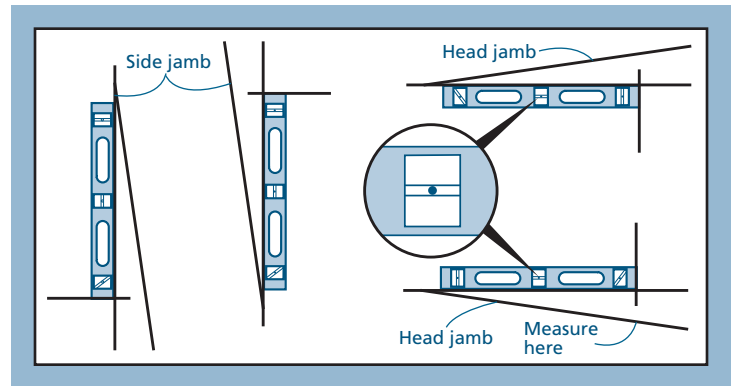
PROPER DOOR INSTALLATION

- Proper installation is essential for keeping doors operating smoothly. If a door fails to operate properly, an inspection is necessary to determine if it was installed correctly.
- A contractor or installer can assist in determining the cause of a door being “out of specification” and possibly correct it. Door problems due to improper installation are usually not covered by the manufacturer’s warranty. For installation instructions, contact us or your supplier.
- The specifications and measurements referenced in this guide are taken from ASTM E2112 Standard Practice for Installation of Exterior Windows, Doors and Skylights.

Note: These instructions do not address inspection for proper “water tightness” or flashing where the product integrates with the structure. A “water tight” inspection requires removal of the exterior siding and interior trim around the door. Seek professional assistance regarding this issue.

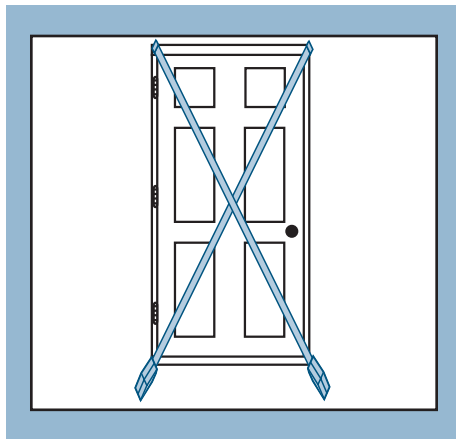
LEVEL INDICATOR

Accurate measurements are essential in determining level and plumb. Most carpenters' levels have several bubble level indicators, making it possible to measure all parts of the door. Examine the horizontal indicator. If the bubble is centered between the lines of the indicator, it is level. If the bubble is not exactly centered, measure how far “out of level” or “out of plumb” by maneuvering the end of the level until the bubble is exactly centered. Measure the farthest gap between the level and the surface. On a 4' level (or longer), the gap must not exceed 1/4", or the surface is out of level/plumb.



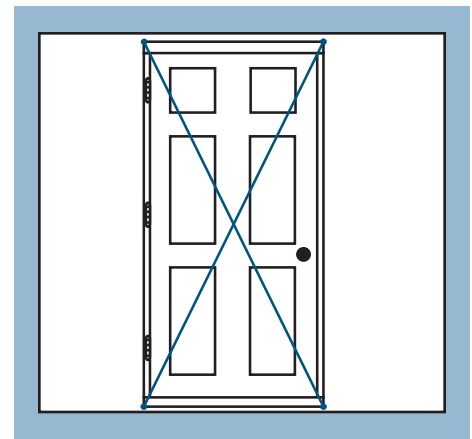
SQUARE

Measure frame from top left to bottom right corner and from top right to bottom left corner. If measurements differ by 1/8", unit is out-of-square.



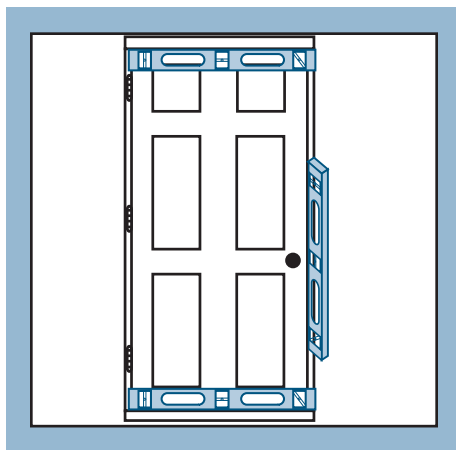
FRAME TWISTS

Attach two pieces of string to frame, corner to corner. If there is a gap between strings at center point larger than 1/8", the frame is not flat. Repeat by switching strings and re-measuring.



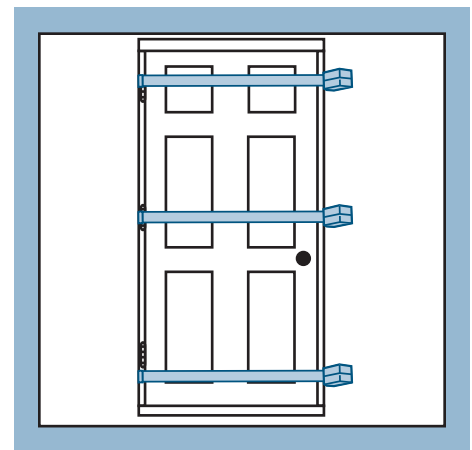
LEVEL AND PLUMB

For plumb, place level against each side jamb or use a plumb bob. For level, place level against head jamb and sill.



PROPER SHIMMING

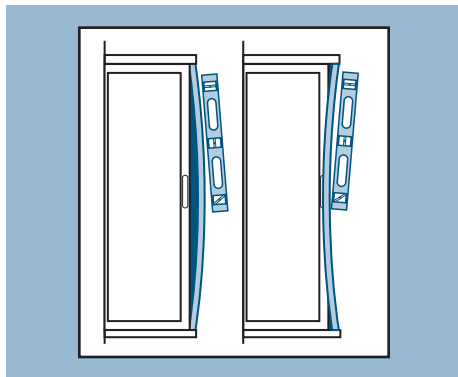
Measure width of frame at top, center, and bottom. If any two measurements differ more than 1/16", the frame is over or under shimmed. Repeat process and measure height of frame.



PROPER DOOR INSTALLATION - CONTINUED

STRAIGHT SIDE JAMBS

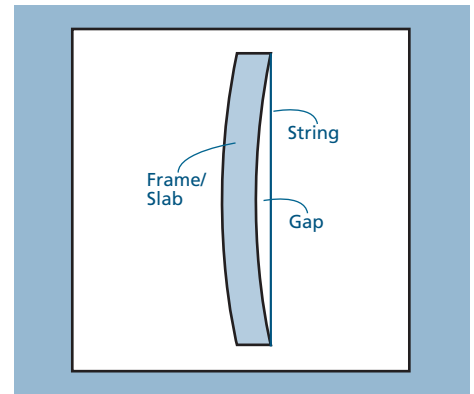
Place level against inside of side jamb. Look for gaps anywhere between level and side jamb. Repeat steps for other side jamb.



FRAME/SLAB BOW

Inspect interior and exterior frame jambs, or stiles/rails of slab (not glass) to determine if bowed.

1. Cut piece of string slightly longer than height of frame or slab.
2. Pull tightly and stretch string to upper and lower corners of jambs, or stiles or rails of slab. Tape securely.



3. Look for gap between string and frame or slab. If gap measures more than 1/4" at any point, the slab is bowed.

TROUBLESHOOTING OPERATIONAL PROBLEMS

Note! Please check each possible cause, including verifying proper installation, before contacting us for assistance.

PROBLEM	POSSIBLE CAUSES	POSSIBLE SOLUTIONS
Door will not open	Knob locked	Make sure lock is in unlocked position, try again.
	Obstructions	Remove obstructions/shipping blocks
	Slab damaged	Repair or replace slab
	Lockset damaged or broken	Replace lockset
	Strike plate loose or damaged	Tighten if loose. Replace if damaged.
	Improper installation	Inspect installation
Door will not close	Sill track dirty	Clean sill track then lubricate with silicone spray on cloth. Clean and lubricate hinge track.
	Deadbolt in locked position	Make sure lock latch is in unlocked position. Try again.
	Obstructions	Remove obstructions/debris/shipping blocks.
	Strike plate loose or damaged	Tighten if loose. Replace if damaged.
	Lock strike plate misaligned	<ul style="list-style-type: none"> • Realign. Create new screw holes and chisel bore if necessary. • Make shoot bolt lock strikes flush to sill (double doors)
	Weatherstrip loose or damaged	Reattach If loose, replace if damaged.
	Frame bowed	Inspect Installation
Improper installation	Inspect installation	
Door swings open by itself	Slab not plumb	Inspect Installation
	Hinge plates not flush with frame or slab	Make hinge plates flush
	Hinge screws not flush with hinge plates	Ensure proper hinge placement; tighten screws
Uneven reveal (gap) between slab & frame	Slab(s) not aligned properly	<ul style="list-style-type: none"> • Adjust threshold if adjustable • Make hinge plates flush (hinged doors) • Ensure proper hinge placement (hinged doors)
	Improper installation	Inspect installation
Door stuck shut	Slab(s) misaligned	Remove obstructions/shipping blocks
	Slab painted to weatherstrip	Un-stick painted-over weatherstrip

PROBLEM	POSSIBLE CAUSES	POSSIBLE SOLUTIONS
Door will not lock	Lock misaligned	<ul style="list-style-type: none"> Align lock strikes Make shoot bolt lock strikes flush to sill (double doors)
	Improper installation	Inspect installation
Door squeaks	No lubricant on hinges	Lubricate all hinges with light oil
Light or air leaks through corners	Worn weatherstrip	Repair loose or damaged weatherstrip
	Foam wedge damaged or missing	Replace foam wedge
	Hinges may be worn or misaligned	Replace hinges. Ensure proper hinge placement
Door handle will not operate	Improper installation, damaged or misaligned	<ul style="list-style-type: none"> Check for damage/lubricate if necessary Check alignment of strike plate. Re-align if necessary
Shoot bolt will not fully engage	Lock strike obstructed or not deep enough to allow shoot bolt to fully engage	Clear any debris and verify shoot bolt lock strikes flush to sill
Water leaks through the door	Slab damaged or loose at hinges	Replace slab
	Weatherstrip damaged or missing	Reattach if loose, replace if damaged or missing
	Slab warped or bowed	Inspect installation
Moisture occurs between glass panes	Seal failure	Replace either the insulating glass assembly or the entire slab. This determination should be made by a service representative.
Glass surface fogs up	Condensation.	<p>If condensation is on an interior surface:</p> <ul style="list-style-type: none"> Raise the average temperature of the house one or two degrees and do not block vents. Vent all appliances to the outdoors and run exhaust fans. Open patio door blinds for air circulation. Turn humidifiers down as the temperature gets colder (unless used for medical purposes). <p>If condensation is on an exterior surface:</p> <ul style="list-style-type: none"> Close patio door coverings to reduce cooling of the glass surface by air-conditioning. Remove or trim shrubbery close to patio doors to promote air circulation. <p>If condensation is between glass panes:</p> <ul style="list-style-type: none"> Seal failure. Replace either the insulating glass assembly or the entire slab. This determination should be made by a service representative.

GLOSSARY

Active Slab

Active slab(s) are any slab(s) on double door systems that operate and include locking hardware.

Astragal

The vertical trim attached to the inactive slab of a double door that bridges the gap between the slabs when closed and provides weather and overswing protection.

Boot-glaze

The method by which glass is set and sealed into a panel with a rubber-like beige or gray gasket ("boot").

Door Sweep

Weatherstrip that attaches to the bottom of a swinging patio door panel, providing a barrier against the elements.

Frame

The assembly of structural members (head, sill, and jambs) used to fasten the window/patio door to the structure.

Handing

The operating direction of an entry door; refers to the way the entry door will swing or slide to open (right-handed or left-handed).

Hinge

A jointed or flexible device on which a door or window turns.

Hinge Pin

A pin in the center of a hinge that holds the two parts together and allows them to pivot.

Passive Slab

The slab of a double door system that has the astragal mounted to it; the active slab locks into the passive slab.

Jamb

The vertical frame members of a window or patio door assembly.

Strike Plate

A bracket fixed to the frame utilized as a latching point for locking systems.

Kerf

A groove that often holds weatherstrip.

Keyway

The slot in the lock where the key is inserted.

Lock Jamb

The side jamb that houses the lock strike plate; the door slab closes into the lock jamb.

Pilot Hole

A drilled hole that is no larger than the body of the screw (minus the threads).

Rail

The horizontal members of a door slab.

Reveal

The space between the slab and the frame.

Score

To inscribe a line with a sharp instrument.

Shoot Bolt

A locking component which, when activated, extends vertically from the end of an inactive slab and engages a strike plate in the head and sill of the frame.

Slab

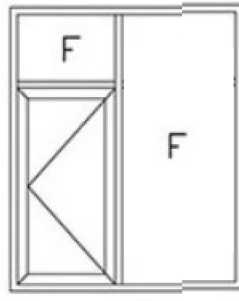
An assembly comprised of stiles (vertical pieces), rails (horizontal pieces) that is installed into a frame.

Stile

The vertical members of a door slab.

Weatherstrip

A strip of flexible material that fills the joint between the door slab and the frame and is used to prevent rain, snow, and air from entering.



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Product Details

Company Profile

Report Suspicious Activity

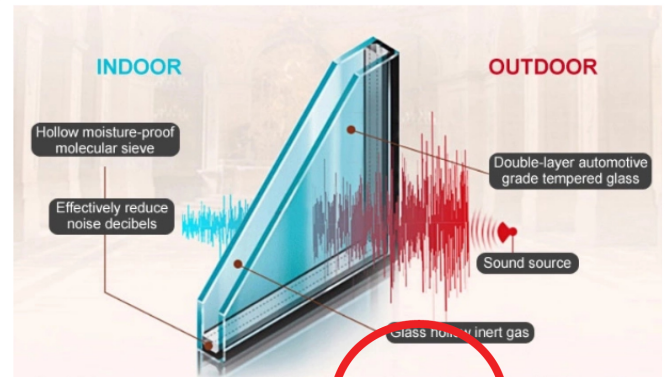
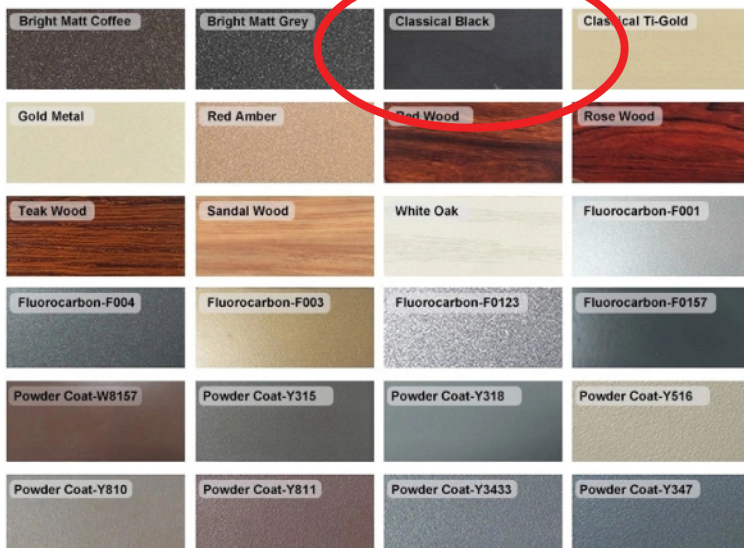
Product Description Detailed Images Packing&Shipping Company Introduction Related Products Recommend Products < >

Overview

Quick Details

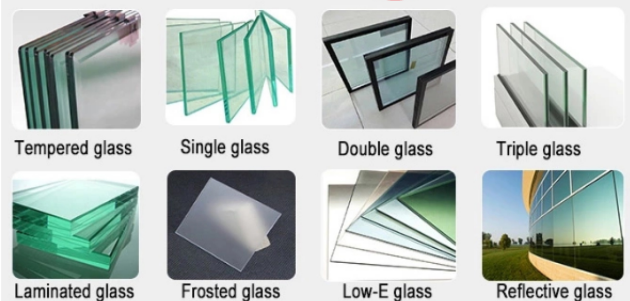
Warranty: 5 years	After-sale Service: Online technical support
Project Solution Ca...graphic design	Application: Hotel
Design Style: Modern	Place of Origin: Shandong, China
Brand Name: MY	Model Number: MY0033
Frame Material: Aluminum Alloy	Open Style: Swing
Feature: Magnetic Screen	Opening Pattern: Horizontal
Screen Netting Mat...FiberGlass	Product name: aluminium casement double glazed windows with blinds inside
Color: Customized Colors	Hardware: Chinese Top Brand
Material: Aluminum Alloy+Glass+Accessories	Profile: Alumium Frame 6063T5
Surface treatment: Anodizing	Certificates: AS2047/CE/ISO9001/SGS
Window type: Aluminium Windows	Glass: Double Tempered Glass
Profile Thickness: 1.4mm/1.6mm/1.8mm/2.0mm	

color chart



Double layer tempered automobile grade glass is used, the surface is flat and free from impurities, and inert gas is injected to strengthen the sound insulation effect.

SELECTION OF GLASS TYPES



Contact



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