Legend Impact Series
LEGEND RADIUS SPECIFICATIONS

PART 1 - GENERAL

1.01 SECTION INCLUDES
A. Factory assembled low-maintenance PVC direct set windows construction, glass and glazing, and [grilles].
B. Anchorages, attachments, and accessories.

1.02 RELATED SECTIONS
A. Section 01340 - Shop Drawings, Product Data, and Samples.
B. Section 01610 - Delivery, Storage, and Handling.
C. Section 01710 - Final Cleaning.
D. Section 07200 - Batt and Blanket Insulation.
E. Section 07920 - Sealants and Caulking.
F. Section 08800 - Glass and Glazing.

1.03 REFERENCES
A. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM):
   1. ASTM E-283 - Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors.
   2. ASTM E-547 - Water Penetration of Exterior Windows, Curtain Walls, and Doors by Cyclic Static Air Pressure Difference.
   3. ASTM E-330 - Structural Performance of Exterior Windows, Curtain Walls, and Doors under Uniform Static Air Pressure Difference.
B. AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION (AAMA):
   1. AAMA/WDMA/CSA 101/I.S.2/A440-11 North American Fenestration Standard/Specification for Windows, Doors and Skylights.
C. WINDOW & DOOR MANUFACTURERS ASSOCIATION (WDMA):
   1. WDMA I.S-4 – 07 Industry Standard for Water-Repellent Preservative Treatment for Millwork
D. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
E. NATIONAL FENESTRATION RATING COUNCIL (NFRC)

1.04 PERFORMANCE CRITERIA
A. Direct Set units shall meet requirements in accordance with AAMA 506-08 / NWWDA 101-I.S.2-97 / CSA A440.
B. Air leakage shall not exceed 0.30 cfm per sq.ft. of sash when tested in accordance with ASTM E-283 at 1.57 psf.
C. No water penetration shall be allowed when tested in accordance with ASTM E-547.
D. Window units shall withstand positive and negative wind loads without damage. The units shall be tested in accordance with ASTM E-330.
E. Window units shall meet impact requirements in accordance with AAMA 506-11 / ASTM E-1886/ ASTM E-1996.

1.05 SUBMITTALS
A. Shop drawings shall be submitted in accordance with Section 01340.
B. Product data in the form of general catalogs, test lab reports, product performance, and warranty information shall be submitted in accordance with Section 01340.
C. Samples showing glazing, quality of construction, and finish shall be submitted in accordance with Section 01340.

1.06 DELIVERY, STORAGE, AND HANDLING
A. In compliance with Section 01610, window units shall be delivered undamaged and with protective packaging. Complete installation and finishing instructions shall be included.
B. Store units in a clean, dry place off the ground in an upright position.

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PART 2 - PRODUCTS

2.01 MANUFACTURER

A. Legend Series Direct Set window direct glaze construction as manufactured by Windsor Windows & Doors.

2.02 MATERIALS

A. Frame: All exterior stops shall be low-maintenance cellular PVC material. All jambs shall be interior primed select softwoods treated with water repellent preservative in accordance with NWWDA I.S.-4. Installation clips and screws will be provided with units.

B. Finish: Shall be white in color with a satin surface finish. This finish can be left as-is or repainted if other color is desired.

C. Glazing: Shall be 1" Sea Storm™ Laminated LoE^3 insulating glass as standard, glazed with double-faced tape plus a full perimeter of structural silicone. Cardinal's Preserve™ option is standard for Sea Storm™ Impact IG. It is a removable, factory-applied protective film adhered to both interior and exterior surfaces of the glass.

D. Grilles: (Extra when specified) White, cinnamon, bronze, tan, ivory, hunter green, or black aluminum inner grilles (in air space) are available in 13/16" flat or 3/4" profiled. Two-toned inner grilles are available with a white interior, and a bronze, green, tan, ivory, or black exterior. Windsorlite (WDL) simulates true divided lite, but is created by adhesively fixing cellular PVC exterior and interior bars to the surfaces of the insulated glass. WDL is available in 5/8", 7/8" and 1-1/4" widths. See Divided Lite Options for profile details. Available in white color only. Also available with or without inner bar between the glass.

PART 3 – EXECUTION

3.01 EXAMINATION

A. Verify that there is no visible damage to the unit before installation.

3.02 INSTALLATION

A. Verify the rough opening is of the recommended size and that it is plumb, level, and square.
B. Install the window unit in accordance with the manufacturer's recommendations.
   1. Reference Supplemental Impact Installation instructions per www.floridabuilding.org
C. Install sealant, backing material, and insulation around opening perimeter in accordance with Section 07900 and Section 07920.

3.03 ADJUSTMENT AND CLEANING

A. Cover the window unit to avoid damage due to spray paint, plaster, and other construction operations.
B. Remove all visible labels and instructions.
C. Final cleaning of glass in accordance of Section 01