



GAMCO CORPORATION

MANUFACTURERS OF QUALITY FENESTRATION PRODUCTS

131-10 Maple Avenue, Flushing, N.Y. 11355

SERIES "BD-325" SWING BALCONY DOOR

I. GENERAL:

Scope of Work – Furnish all necessary materials, labor, and equipment for the complete installation of aluminum hinged glass doors for this project as show on the drawings and herein specified. Door shall be the "Series BD-325" as manufactured by Gamco Corporation, Flushing, New York. The "Series BD-325" is a single vent Hinged Glass Door with thermally improved main frame and vent consisting of side hinges, locking handle, and multipoint lock system. The specifications and materials for the "Series BD-325" are as follows

II. PRODUCTS:

Materials – Aluminum shall be of proper alloy for commercial window construction. All extruded sections shall be of 6063-T5 aluminum alloy.

Frame – Main frame and sash members shall be .125" nominal thickness. Main frame shall be 3.250" in depth Horizontal and vertical vent members shall be hollow extrusions. Main frames and vent members are to be extruded aluminum with a dual insulbar thermal barrier system creating a .5625" wide thermal barrier.

Sill – Threshold for the swing-out BD-325 is a .500" tall thermally broken aluminum extrusion with an EPDM weather-seal. Check codes for FHA compliance. See drawing cuts.

Hardware – Operating handle shall be lever type connecting to a multi-point lock system. Lock system engagements shall be as follows: Two (2) at handle, one (1) 2.500" from each end of lock stile and one (1) centered between handle and upper locking point.

Hinges – Shall consist of three (3) extruded aluminum butt type hinges. Hinge pins shall be .250" diameter stainless steel with hard vinyl bushings.

Weather-stripping – Door panel shall close to a full perimeter EPDM weather-seal utilizing welded corner construction.

III. CONSTRUCTION:

Assembly – Main frame and door panel corners shall be of mitered, sealed crimped and staked corner construction. Each corner shall consist of one extruded aluminum corner key held in place with two die cast retainer pins, one die cast corner key staked in place and one friction fit hard vinyl corner key. Threshold is mechanically fastened and sealed between the jambs.

Glazing – Glass in the door panel shall be factory glazed using EPDM gasket at exterior perimeter with extruded aluminum glazing bead and EPDM wedge at interior of glass. The insulated glass units shall be 1.000" overall thickness with two lites .125"

Tempered glass, separated by a .750" air space for optimum insulation. All insulated glass units shall meet the requirement of the ASTM E 774 specification, Class "A".

Finish – Shall be a factory applied baked polyurethane powder coat finish meeting the requirements of AAMA 2604 for Pigmented Organic Coating on Extruded Aluminum. Standard Tier 1 colors available are bronze and white. Class 1 Clear and Dark Bronze anodizing.

Operation – The door panel is operable to the outside. Deadbolt is operable by thumb turn inside.

IV. PERFORMANCE:

Structural Performance, Air, and Water Infiltration – Shall meet the requirements of AAMA/WDMA/CSA 101/I.S.2/A440-5, ATD-AW50. Design Pressure, $\pm 2400\text{Pa}$ ($\pm 50.16\text{ psf}$). Air Infiltration, 0.5 L/s/m^2 (0.10 cfm/ft^2). Water Penetration Resistance, 480Pa (10.03 psf). Uniform Load Structural, $\pm 3600\text{Pa}$ ($\pm 75.24\text{ psf}$).