GENERAL
Fixed, projected and casement windows shall be Marlin series #1505 as manufactured by Marlin windows, and conform to AAMA–101–93 structural performance as follows:
1505 Fixed Window F–HC65
1505 Casement C–C65
1505 Projected P–C65

Series 1505 shall have a condensation–resistance factor (CRF) of not less than 56.

MATERIALS
All frame and sash members shall be aluminum extrusions of 6063–T5 alloy & temper with a minimum wall thickness of .062". Frame and sash members shall have a rigid polyurethane "thermal–barrier" as an integral part of the extrusion which eliminates all direct contact between interior and exterior aluminum sections. Glazing stops to be extruded aluminum with a minimum wall thickness of .050".

FINISH
Standard architectural Class II anodic color conforming to Aluminum Association AA–M12–C22–A34 for dark bronze or AA–M12–C22–A31 for clear anodize. (Architectural Class I anodic finishes and organic coatings available — specify).

CONSTRUCTION–
Frame members shall be 2 1/4" in depth. Frame and vent corners shall be fabricated to form tight mitered joints. All intermediate frame members shall be coped to form tight butt joints where joined to perimeter members. All joinery fastened securely with stainless steel self–tapping screws and sealed to prevent moisture and air infiltration. Extruded aluminum glass stops shall be fabricated to form tight butt–joints.

PROJECTED HARDWARE
Projected shall be balanced with two heavy duty four bar friction hinges. Hinges shall be of stainless steel, and include a positive stop and an adjustable friction shoe. Locking hardware shall consist of cam handle locks and surface strikes. Handle, base & strike housing shall be cast white bronze with burnished finish. Roto operators and underscreen bar operators are available (specify).

CASEMENT HARDWARE
Casement windows shall be supported by exposed hinges manufactured from cast bronze alloy and secured with concealed fasteners, or by heavy duty 4 bar concealed friction hinges (specify). Roto type operation with locking handles and concealed strikes shall be standard with exposed hinges. Other variations of hardware and finish available – consult factory.

WEATHERSTRIPPING
A compression seal shall run continuously around entire perimeter of ventilator and frame opening of ventilator to form a double seal.

GLAZING
Marlin series #1505 windows shall accept glazing materials with nominal thickness of 1/4", 1", & 1 1/2".

OPTIONAL SCREEN
Screen frames shall be fabricated from roll–form aluminum, finish to match window. Screen cloth to be 18 x16 fiberglass mesh held in the aluminum screen frame with a tight fitting continuous vinyl spline.

INSTALLATION
Windows shall be installed straight, plumb, and level without twisting and securely anchored in place. Openings shall be properly prepared to provide sufficient space at jambs, head and sill to compensate for normal construction movement without affecting intended use.

PROTECTION AND CLEANING
The General Contractor shall provide adequate protection of the aluminum and glass surfaces from damage by grinding compound, lime, acids, cement or other contaminants. The General Contractor shall be responsible for final cleaning.
TRIPLE GLAZE OPTION

MARLIN WINDOWS, INC

1505 SERIES
2\(\frac{1}{4}\)" FIXED & OPERABLE
1. HEAD @ VENT

2. SILL @ VENT
1A HEAD @ HEAVY VENT

2A SILL @ HEAVY VENT
1B HEAD @ VENT

3B JAMB @ VENT

2B SILL @ VENT
3 JAMB @ VENT

3A JAMB @ HEAVY VENT
4  JAMB @ FIXED

6  SILL @ FIXED

5  HEAD @ FIXED
1505 SERIES
2¼" FIXED & OPERABLE

4A JAMB @ FIXED

5A HEAD @ FIXED

6A SILL @ FIXED

4B JAMB @ FIXED

5B HEAD @ FIXED

6B SILL @ FIXED
OPTIONAL FIXED FRAMES

AT-3

2 1/4"

2"

AT-12

2"

1 5/8"

AT-2

1 1/8"

2 1/4"

AT-16

1"

1 1/8"

3 3/8"
7 HORIZONTAL VENT BELOW FIXED

8 HORIZONTAL VENT ABOVE FIXED
10 VERTICAL DOUBLE VENT
11 TYPICAL MULLION

11A HEAVY MULLION

11B MULLION W/1 x 2 SUPPORT TUBE

11C MULLION W/2 x 2 SUPPORT TUBE
12 PROJECT IN VENT

13 PROJECT IN VENT ABOVE FIXED
1505 SERIES
2 1/4" FIXED & OPERABLE

FIXED @ JAMB

14 W/ STACK BAR

14A W/ STACK BAR
23 RIDGE

22 HEAD

24 SILL

25 ROOF JAMB