

# **Product Manual - Long Span III Wall Panels - Miami Dade**

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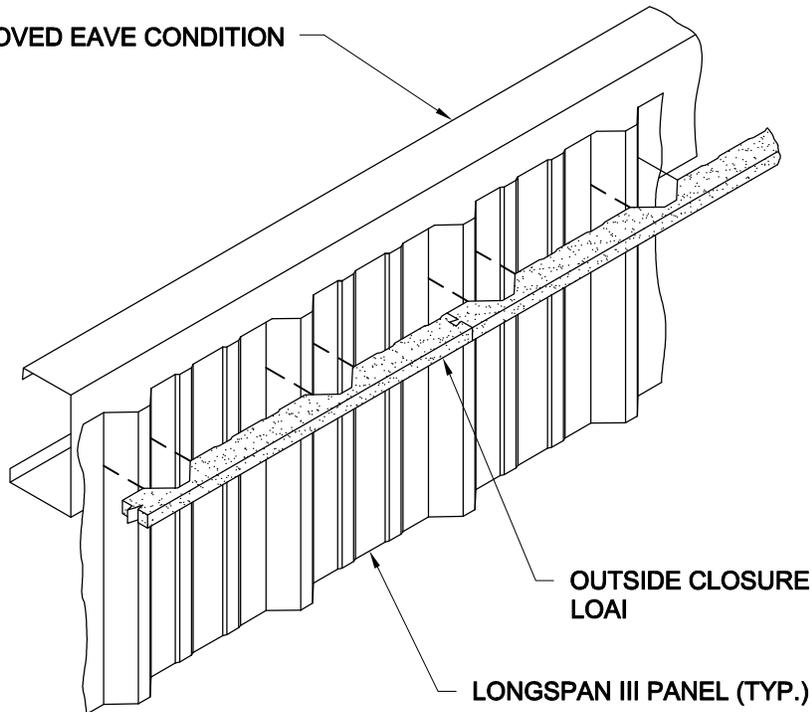
## Outside Closure Installation at Eave

Long Span III Walls

EA37/AB-MD

PRIOR TO FASTENING, INSIDE CLOSURES ARE TO BE SANDWICHED BETWEEN THE STRUCTURAL SUPPORT FRAME AND THE WALL PANEL. OUTSIDE CLOSURES ARE TO BE SANDWICHED BETWEEN THE OUTSIDE CLOSURE FLASHING AND THE WALL PANEL.

APPROVED EAVE CONDITION



OUTSIDE CLOSURE  
LOAI

LONGSPAN III PANEL (TYP.)

## OUTSIDE CLOSURE INSTALLATION AT EAVE

LONG SPAN III WALLS

EA37
AB-MD

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Approved Allowables and Design Notes  
Long Span III Walls  
MP04/AB-MD

**THE MAXIMUM PANEL SPAN AND THE MAXIMUM DESIGN PRESSURE FOR THIS WALL PANEL SHALL BE BASED ON THE FOLLOWING PANEL ALLOWABLES:**

**MAXIMUM ALLOWABLE BENDING MOMENT (AT SUPPORTS) = 156.3 ft-lbs.**

**MAXIMUM ALLOWABLE BENDING MOMENT (BETWEEN SUPPORTS) = 87.5 ft-lbs.**

**MAXIMUM ALLOWABLE PANEL REACTION (AT SUPPORTS) = 312.5 lbs/ft**

**PANEL'S EI VALUE (POSITIVE PRESSURE) = 1,972,000 lbs- in<sup>2</sup>**

**PANEL'S EI VALUE (NEGATIVE PRESSURE) = 1,321,000 lbs- in<sup>2</sup>**

**MAXIMUM ALLOWABLE PANEL DEFLECTION = L/240**

**NOTE:**

**THIS WALL PANEL IS APPROVED FOR SPANS OF UP TO 5'-0" MAXIMUM ATTACHED TO 16 GA. (MIN.) SUPPORTS**

**APPROVED ALLOWABLES AND DESIGN NOTES**

**LONG SPAN III WALLS**

<b>MP04</b>
<b>AB-MD</b>

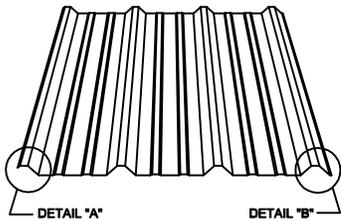
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### Panel Marking and Sidelap Details

Long Span III

RC63/BB-MD



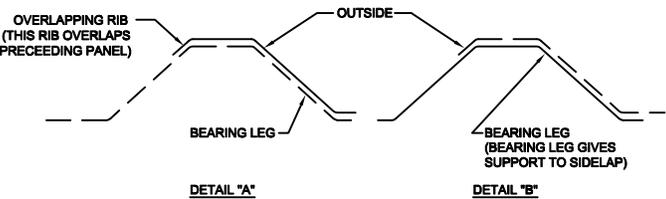
**LONG SPAN III PANEL**

**SAFETY PRECAUTION:**  
DO NOT STEP ON RIB OF PANEL. ALWAYS STEP ON FLAT SURFACE.

**SAFETY PRECAUTION:**  
DO NOT STEP ON PANELS UNTIL FULLY SECURED WITH FASTENERS.

LONG SPAN III PANEL IDENTIFICATION MARK NUMBER

EXAMPLE LSP 24 - 30.0  
└── 30'-0" IN LENGTH  
└── 24 GAGE  
└── LONG SPAN III



**SIDELAP DETAIL**

**EACH PANEL SHALL BE PERMANENTLY LABELED WITH MANUFACTURER'S NAME, LOGO AND MIAMI-DADE ACCEPTANCE NO.**

**ERECTION OF THE LONG SPAN PANEL REQUIRES THAT THE PROPER DIRECTION OF ITS APPLICATION BE MADE. THE DESIGN OF THE PANEL INCORPORATES A BEARING LEG INTO ITS LEADING EDGE WHICH PROVIDES SUPPORT FOR PROPER NESTING OF THE OVERLAPPING RIB OF THE NEXT PANEL. THE INSTALLATION OF THE PANELS (SHOWN AT LEFT) PROCEEDS FROM LEFT TO RIGHT. HOWEVER, UNLESS FIELD CIRCUMSTANCES DICTATE OTHERWISE, INSTALLATION OF PANELS CAN PROCEED FROM EITHER LEFT TO RIGHT OR RIGHT TO LEFT AS LONG AS THE OVERLAPPING RIB IS LAPPED OVER THE BEARING RIB.**

**PANEL MARKING AND SIDELAP DETAILS**

LONG SPAN III

**RC63**

**BB-MD**

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Erection Notes  
Long Span III  
RC91/BA-MD

**ERECTION NOTES:**

1. ALL AREAS WHERE MASTIC IS TO BE APPLIED SHOULD BE WIPED CLEAN WITH A MILD DETERGENT OR AN ALL PURPOSE CLEANER BEFORE MASTIC APPLICATION. THIS WILL INSURE A GOOD SEALING SURFACE AND IMPROVE WEATHER TIGHTNESS.
2. THE BLANKET INSULATION MANUFACTURER RECOMMENDS THAT DOUBLE SIDED TAPE BE USED TO SECURE THE INSULATION TO THE EAVE. AMERICAN BUILDINGS COMPANY IS NOT RESPONSIBLE FOR THE INSTALLATION OR ATTACHMENT OF THE INSULATION. ADDITIONAL ATTACHMENTS (NOT BY ABC) MAY BE REQUIRED.
3. ALL EXPOSED FASTENERS SHOULD PENETRATE THE SEALANT FOR THE MOST WEATHER TIGHT CONNECTION IN ROOF AND WALL AREAS WHERE APPLICABLE.
4. WHEN FIELD CUTTING PANELS OR TRIM DO NOT USE ABRASIVE SAWS OR OTHER CUTTING METHODS WHICH PRODUCE HOT METAL PARTICLES OR BURN THE CUT EDGES. THESE METHODS WILL DAMAGE THE PAINTED AND GALVALUME FINISH AND VOID ANY WARRANTIES. USE DOUBLE CUT SHEARS, NIBBLERS OR OTHER CUTTING DEVICES WHICH DO NOT PRODUCE HOT METAL PARTICLES OR BURNED EDGES.

**ERECTION NOTES**

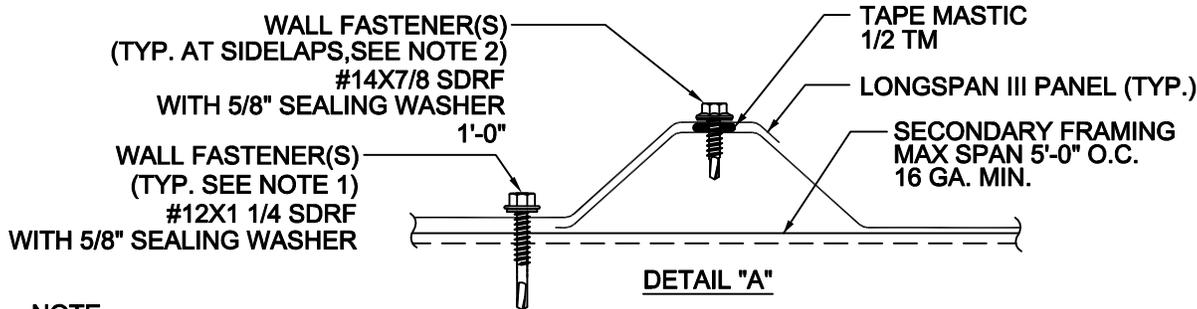
LONG SPAN III

RC91
BA-MD

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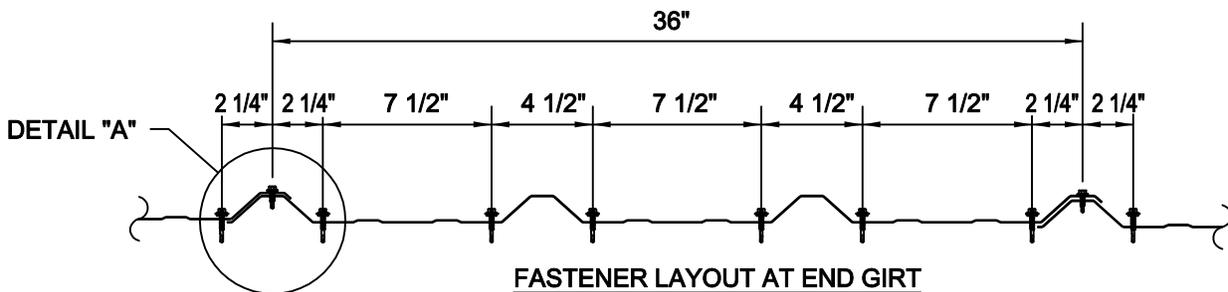
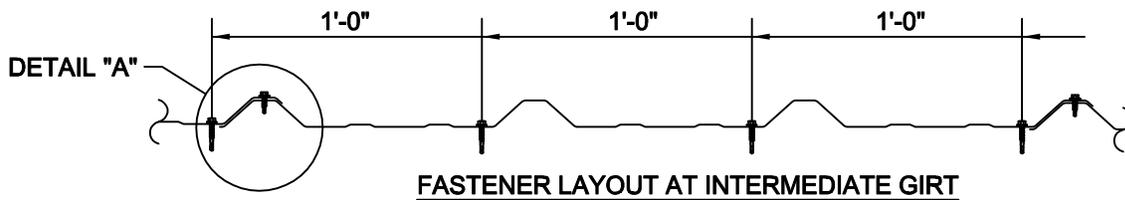
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Fastener Layout  
 Long Spann III Walls  
 WC05/AB-MD



**NOTE:**

1. WALL FASTENER(S) #12X1 1/4 SDRF WITH 5/8" SEALING WASHERS REQUIRED AT SIDEWALL AND ENDWALL GIRTS, BASE ANGLE, EAVE STRUT AND GABLE ANGLE.
2. WALL FASTENER(S) #14X7/8 SDRF WITH 5/8 SEALING WASHER AS SHOWN REQ'D. ONLY AT PANEL SIDELAPS OR AT FLASHING LAPS AND FLASHING TO PANEL CONNECTIONS.



## FASTENER LAYOUT

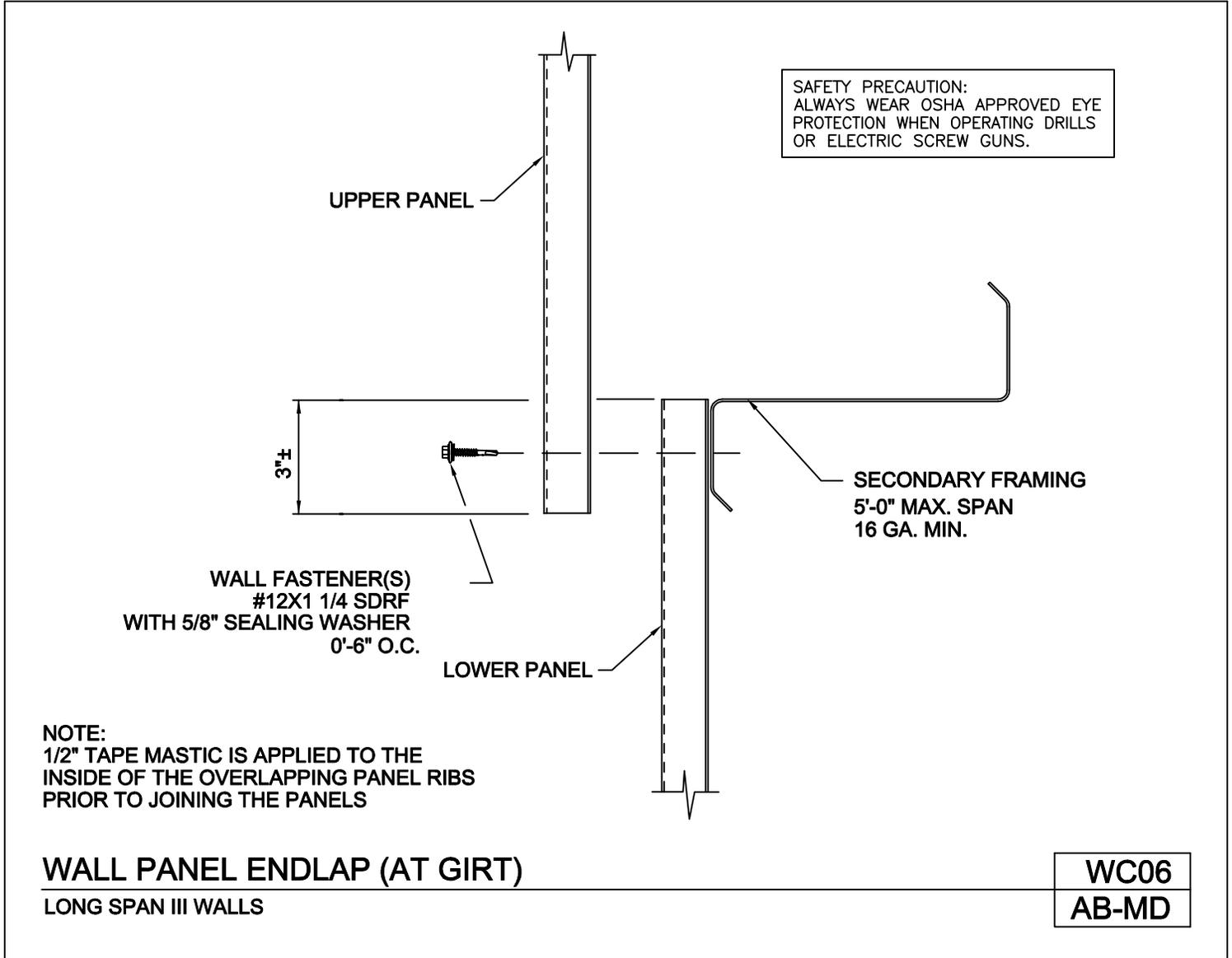
LONG SPAN III WALLS

WC05
AB-MD

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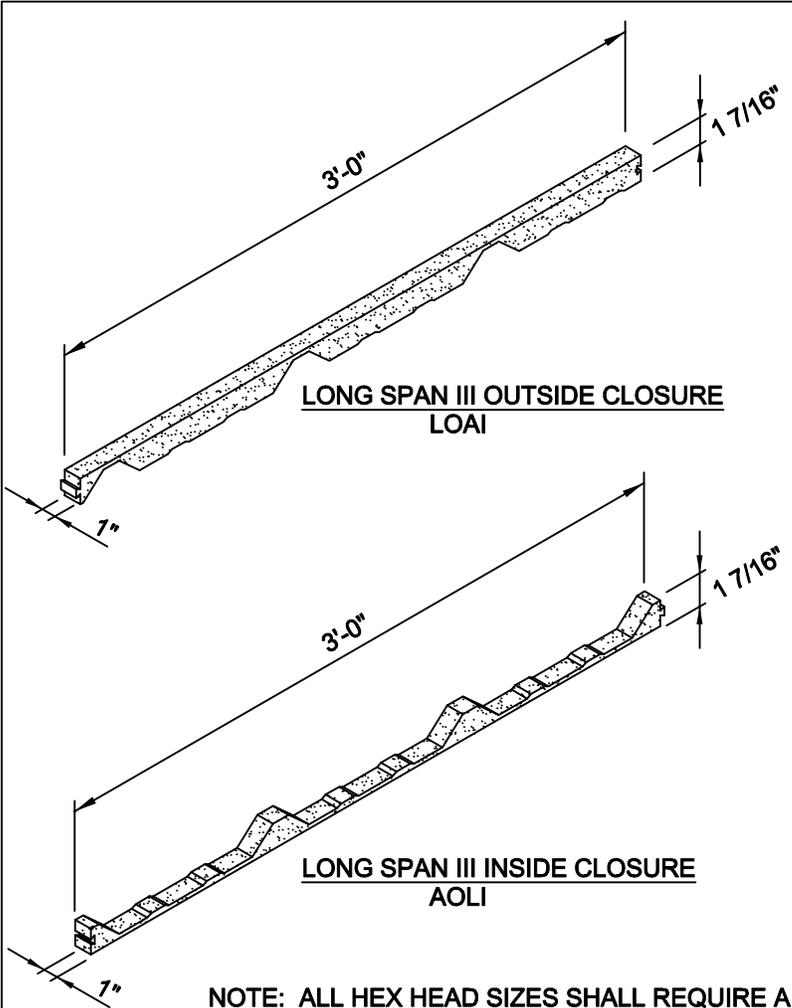
Wall Panel Endlap (At Girt)  
Long Span III Walls  
WC06/AB-MD



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Basic Parts and Pieces  
Long Span III Walls  
WC61/AB-MD



**LONG SPAN III OUTSIDE CLOSURE  
LOAI**

**LONG SPAN III INSIDE CLOSURE  
AOLI**

**WALL FASTENERS**

**DESCRIPTION**  
#12 X 1 1/4  
SELF DRILLING CARBON STEEL HEX HEAD  
FASTENER WITHOUT WASHER  
MARK NO. #12X1 1/4 SDHH

**APPLICATION**  
CLIPS AT OVERHEAD DOORS,  
WALK DOORS, ETC.

**DESCRIPTION**  
#12 X 1 1/4  
SELF DRILLING COLOR MATCHING HEX HEAD  
FASTENER WITH 5/8" SEALING WASHER  
MARK NO. #12X1 1/4 SDRF

**APPLICATION**  
SHEET TO STRUCTURAL CONNECTIONS  
(BASE & GABLE ANGLE, GIRTS, EAVE  
STRUTS, ETC.)

**DESCRIPTION**  
#14 X 7/8"  
SELF DRILLING COLOR MATCHING HEX HEAD  
FASTENER WITH 5/8" SEALING WASHER  
MARK NO. #14X7/8 SDRF

**APPLICATION**  
PANEL SIDELAP CONNECTIONS, FLASHING TO  
PANEL CONNECTIONS AND OTHER SHEET TO  
SHEET CONNECTIONS

**NOTE: ALL HEX HEAD SIZES SHALL REQUIRE A 5/16" HEX SOCKET UNLESS NOTED.**

**BASIC PARTS AND PIECES**  
LONG SPAN III WALLS

<b>WC61</b>
<b>AB-MD</b>

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