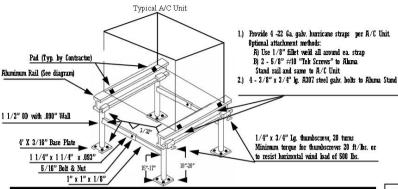
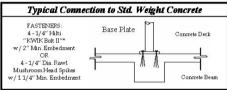
ADJUSTABLE CONDENSING UNIT BASE "ALUMA STAND" Exposure "C"



A/C STAND REACTIONS TABLE							
ROOF MATERIAL	ALLOWABLE ELEVATION @ 146 MPH	ALLOWABLE ELEVATION @ 150 MPH	ALLOWABLE WGT/UNIT	UPLIFT	LATERAL	COMPRESSION	BENDING MOMENT
Concrete Deck Steel Bar Joist	85'	65'	300 lbs	175#	150#	474#	125.0 ft lb
Wood Deck	45'	33'	300 lbs	175#	150#	474#	144.0 ft lb

Complies With ASCE 7-98

DESIGN WIND PRESSURE Maximum Wind Pressure A/C Stand on Concrete Roof 67.8 psf or Steel Joist Structure A/C Stand on Wood Deck Root 59.0 psf



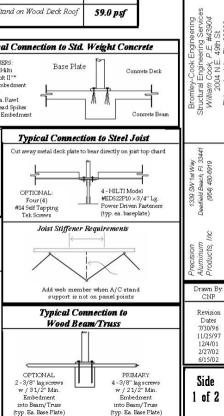
RAIL SECTION

CLAMP DETAIL

BASE PLATE DETAIL

Outional

Drilled



CNP

Revision

Dates

7/30/96 11/25/97

12/4/01

2/27/02 6/15/02

Side

of 2

Notes:

- 1 Frames 6061-T6/6005-T5 Aluminum Alloy (an exterior exposure alloy), all joints welded, other than shown
- 2 Yield strength shall be 35 ksi and conform to the American Aluminum Association standards
- 3 Weld filler shall be aluminum alloy 4043 with a tensile strength of 15 ksi
- 4 Frame withstands wind loads as per 2001 Florida Building Code & ASCE 7-98
- 5 It is the responsibility of the installing contractor to provide adequate anchorage as shown on this plan, and to provide corrosion resistant isolation pads at the bottom of the base plates when bearing on concrete and steel
- 6 Expansion bolts & lags screws shall have a minimum spacing of 2.5" & a minimum edge distance of 1" for lags and 3" for expansion bolts
- 7 Vibration isolator pads shall be provided by the A/C Contractor so as not to cause vibration to existing sub-
- 8 Calculations are based on the surface of the A/C unit. This is determined by multiplying the unit width by the unit height, with the result being the surface square footage. The maximum sizes allowed for the Aluma Stand are denoted in the table depicted on page 2.