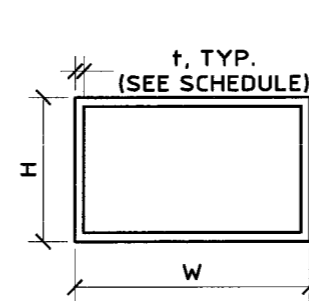
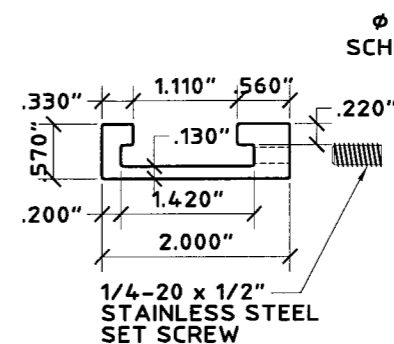


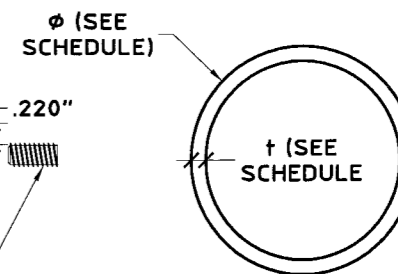
1 RAIL (I-BEAM)  
SCALE: HALF SIZE



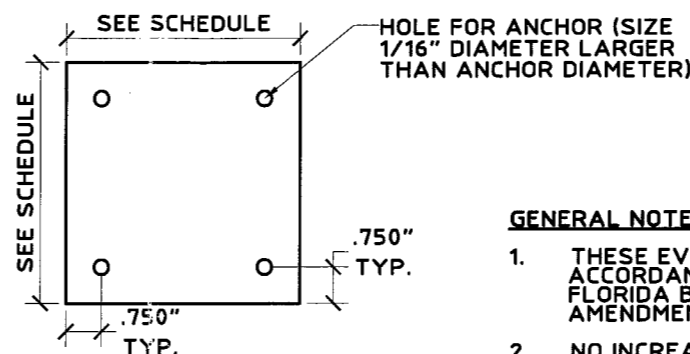
2 RECTANGULAR TUBING  
SCALE: HALF SIZE



3 C-CHANNEL  
SCALE: HALF SIZE



4 ROUND TUBING  
SCALE: HALF SIZE



5 BASE PLATE  
SCALE: 3" = 1'-0"

**GENERAL NOTES:**

- THESE EVALUATION DOCUMENTS REPRESENT A/C STANDS DESIGNED IN ACCORDANCE WITH HIGH VELOCITY HURRICANE ZONE PROVISIONS OF THE FLORIDA BUILDING CODE 2004 INCLUDING THE 2005, 2006 AND 2007 AMENDMENTS.
- NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS PRODUCT. HOWEVER, FOR WOOD ANCHORS, A LOAD DURATION FACTOR OF 1.6 HAS BEEN USED.
- WIND LOADS SHALL BE DETERMINED BY AN ARCHITECT OR PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS USING ASCE 7-02, USE TABLE 6-10 WITH A FORCE COEFFICIENT  $C_f$  OF 1.32 AND DIRECTIONALITY FACTOR  $K_d$  OF 0.90. THE SYSTEM IS DESIGNED FOR THE MAX WIND LOADS SHOWN IN THE A/C STAND SCHEDULE.
- THESE PRODUCT EVALUATION DOCUMENTS ARE GENERIC AND DO NOT INCLUDE INFORMATION FOR SITE-SPECIFIC APPLICATION OF THESE A/C STANDS.
- USE OF THESE PRODUCT EVALUATION DOCUMENTS SHALL COMPLY WITH CHAPTER 61G15-23 OF THE FLORIDA ADMINISTRATIVE CODE.
- THESE PRODUCT EVALUATION DOCUMENTS ARE INTENDED FOR USE ONLY BY A LICENSED CONTRACTOR, PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT AND ARE SUITABLE TO BE APPLIED BY THE CONTRACTOR PROVIDED THE CONTRACTOR DOES NOT DEVIATE FROM THE CONDITIONS DETAILED HEREIN AND THE CONTRACTOR VERIFIES THAT THE EXISTING STRUCTURE DOES NOT DEVIATE IN EITHER FORM OR MATERIAL FROM THE STRUCTURAL SUBSTRATES DETAILED HEREIN.
- THE CONTRACTOR SHALL VERIFY EXISTING STRUCTURE CAN WITHSTAND SUPERIMPOSED LOAD OF A/C STANDS. A FLORIDA REGISTERED ENGINEER SHALL VERIFY CAPACITY OF EXISTING STRUCTURE TO SUPPORT A/C STAND LOADS SHOWN IN FRAME SCHEDULE.
- THE MAXIMUM SIZE AND WEIGHT OF A/C UNIT IS SHOWN IN THE A/C STAND SCHEDULE.
- STANDS SHALL BE INSTALLED WITH A MINIMUM CLEAR HEIGHT IN ACCORDANCE WITH F.B.C. CHAPTER 15, SECTION 1522 AND TABLE 1522.3.
- ALUMINUM DESIGN IS IN ACCORDANCE WITH THE F.B.C. CHAPTER 20 AND THE ALUMINUM ASSOCIATION SPECIFICATIONS FOR ALUMINUM STRUCTURES.
- ALUMINUM ALLOYS SHALL BE AS NOTED ON DRAWINGS. ALL WELDING SHALL BE PERFORMED WITH 5183 FILLER ALLOY, UNLESS OTHERWISE NOTED.
- A/C CONTRACTOR SHALL PROVIDE VIBRATION ISOLATOR PADS BETWEEN A/C UNIT AND STAND.
- WHERE ALTERNATE CONNECTIONS OF A/C UNIT TO FRAME ARE REQUIRED, CONNECTIONS SHALL BE DESIGNED FOR THE ACTUAL WIND LOADS WITH CONSIDERATION OF UPLIFT, OVERTURNING & SLIDING. CONNECTIONS TO RAIL SHALL NOT INDUCE TORSIONAL FORCES.
- CONTRACTOR SHALL VERIFY CONNECTION OF AC UNIT TO FRAME DOES NOT VOID MANUFACTURER'S WARRANTY.

**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 07-0516.04  
 Expiration Date 09/05/2012  
 By: Helmut A. Knezevich  
 Miami Design Product Control  
 Division

A ASSEMBLY ELEVATION (END VIEW)  
SCALE: 1-1/2" = 1'-0"

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J.W. Knezevich  
 Professional Engineer  
 FL License No.: PE 0041961

MAY 02 2007

no	date	description
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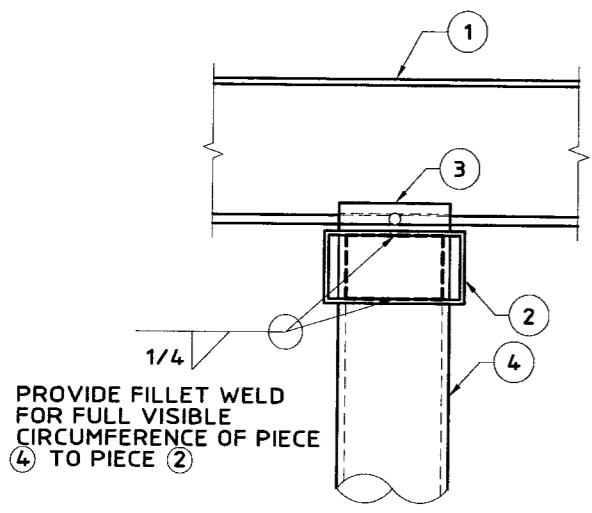
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scale AS NOTED drawn by MCR

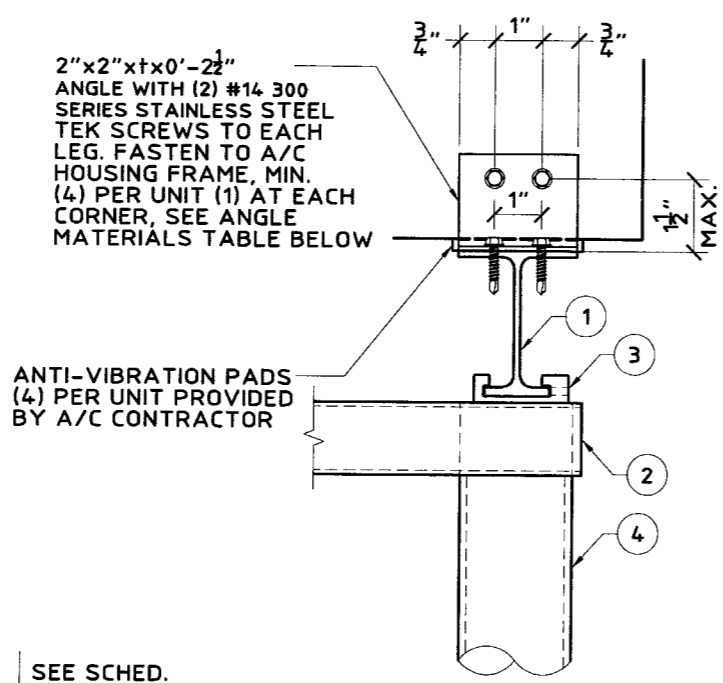
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drawing no. 07-369

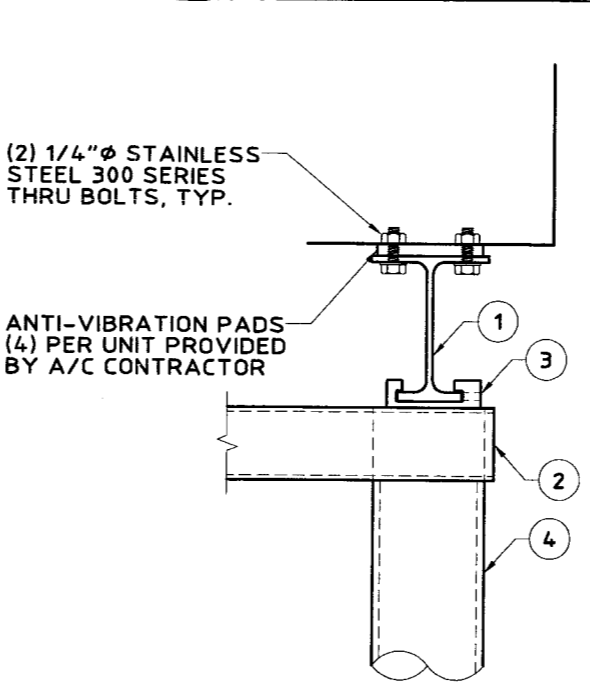
sheet 1 of 3



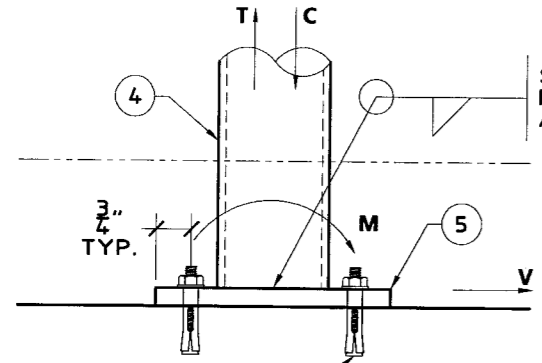
**B** FRAME ASSEMBLY DETAIL  
SCALE: 3" = 1'-0"



**C** A/C UNIT CONNECTION TO FRAMING 1  
SCALE: 3" = 1'-0"



**D** A/C UNIT CONNECTION TO FRAMING 2  
SCALE: 3" = 1'-0"



**F** BASE PLATE REACTION DIAGRAM  
SCALE: 3" = 1'-0"

SEE SCHED. FOR FILLER ALLOY & SIZE

ANGLE MATERIALS				
	t (IN.)	ALUM. ALLOY 6063-T6	ASTM A653 GRADE 50	STAINLESS STEEL 303
ASSEMBLY NO.	1,2&3	0.125"	0.100"	0.125"
	4,5,6&7	0.1875"	0.130"	0.1875"

ASSEMBLY NO.	AC UNIT HxWxD	FRAME TYPE	POST SIZE		TUBE SIZE WxHxt (inxinxin)	BASE PLATE (BxBxt)	MAX. DESIGN WIND PRESSURE (PSF)		MAX STD HEIGHT (in)	UNIT WT (lbs)	MAX. SUPPORT REACTIONS			
			O.D. (in)	t (in)			BASE PLATE WELD TYPE 4043-1/4	BASE PLATE WELD TYPE 4043-3/8 OR 5183-1/4			T (lbs)	C (lbs)	V (lbs)	M (lb-in)
			1	24x24x24			C	1.75			0.065	2.03x1.4x0.050	4x4x1/4	76
	24x24x24	C	1.75	0.065	2.03x1.4x0.050	4x4x1/4	61	61	24	200	159	335	134	1684
	24x24x24	C	1.75	0.065	2.03x1.4x0.050	4x4x1/4	49	49	30	200	137	313	108	1686
2	24x24x24	A	1.75	0.065	2.03x1.4x0.050	5x5x1/4	78	78	18.5	200	189	365	172	1659
	24x24x24	A	1.75	0.065	2.03x1.4x0.050	5x5x1/4	61	61	24	200	159	335	134	1684
	24x24x24	A	1.75	0.065	2.03x1.4x0.050	5x5x1/4	49	49	30	200	137	313	108	1686
3	24x24x24	B	1.75	0.08	2.03x1.4x0.050	5x5x1/4	86	86	18.5	200	206	382	189	1968
	24x24x24	B	1.75	0.08	2.03x1.4x0.050	5x5x1/4	70	70	24	200	182	358	154	2066
	24x24x24	B	1.75	0.08	2.03x1.4x0.050	5x5x1/4	56	56	30	200	157	333	123	2046
4	36x30x30	D-1	2	0.100	2.5x1.5x0.093	5x5x5/16	57	64	24	300	430	622	240	3058
	36x30x30	D-1	2	0.100	2.5x1.5x0.093	5x5x5/16	46	54	30	300	393	585	203	3210
	36x30x30	D-1	2	0.100	2.5x1.5x0.093	5x5x5/16	39	46	36	300	360	552	173	3266
5	36x30x30	D-2	2	0.125	2.5x1.5x0.093	5x5x3/8	57	80	24	300	555	747	300	3823
	36x30x30	D-2	2	0.125	2.5x1.5x0.093	5x5x3/8	46	65	30	300	488	680	244	3864
	36x30x30	D-2	2	0.125	2.5x1.5x0.093	5x5x3/8	39	55	36	300	445	637	206	3905
6	40x30x30	E	2.375	0.154	3.0x1.5x0.093	5x5x3/8	62	71	24	300	588	788	308	4276
	40x30x30	E	2.375	0.154	3.0x1.5x0.093	5x5x3/8	51	60	30	300	536	736	260	4463
	40x30x30	E	2.375	0.154	3.0x1.5x0.093	5x5x3/8	43	52	36	300	500	700	226	4587
7	40x40x40	E	2.375	0.154	3.0x1.5x0.093	5x5x3/8	61	70	24	300	612	765	311	4317
	40x40x40	E	2.375	0.154	3.0x1.5x0.093	5x5x3/8	50	59	30	300	558	712	262	4493
	40x40x40	E	2.375	0.154	3.0x1.5x0.093	5x5x3/8	42	51	36	300	520	674	226	4607

BASE PLATE SIZE	EXISTING STRUCTURE	ANCHOR TYPE			
		T	C	V	M
4"x4"x1/4" & 5"x5"x1/4"	CONCRETE	(4) 5/16"Ø POWERS LOK BOLTS WITH 1-1/2" MIN. EMBEDMENT IN CONCRETE AND 3-3/4" MIN. EDGE DIST. TO MIN. 3 KSI CONCRETE.			
5"x5"x5/16"	CONCRETE	(4) 3/8"Ø POWERS LOK/BOLT SLEEVE ANCHORS WITH 1-5/8" MIN. EMBEDMENT IN CONCRETE & 4-1/2" MIN. EDGE DIST. TO MIN. 3 KSI CONCRETE.			
5"x5"x3/8"	CONCRETE	(4) 1/2"Ø POWERS LOK/BOLT SLEEVE ANCHORS WITH 2-1/4" MIN. EMBEDMENT IN CONCRETE & 5" MIN. EDGE DIST. TO MIN. 3 KSI CONCRETE.			
4"x4"x1/4" & 5"x5"x1/4"	WOOD	(4) 3/8"Ø STAINLESS STEEL LAG SCREW WITH 2" MIN. EMBEDMENT IN WOOD FRAMING BEYOND PLYWOOD & MIN. 1" EDGE DIST.			
5"x5"x5/16" & 5"x5"x3/8"	STEEL	(4) #12-14 ITW BUILDDEX TEK-SELF DRILLING FASTENERS WITH BONDED WASHER. FASTEN DIRECTLY TO EXIST. STEEL MEMBERS, NOT THRU METAL DECK OR ROOFING.			
4"x4"x1/4" & 5"x5"x1/4"	WOOD	(4) 3/8"Ø STAINLESS STEEL LAG SCREW WITH 3-1/2" MIN. EMBEDMENT IN WOOD FRAMING BEYOND PLYWOOD & MIN. 1" EDGE DIST.			
5"x5"x5/16" & 5"x5"x3/8"	STEEL	(4) 3/8"Ø A307 GALVANIZED BOLTS WITH NUT & WASHER. FASTEN DIRECTLY TO EXIST. STEEL MEMBERS, NOT THRU METAL DECK OR ROOFING.			

**NOTE:**  
A FLORIDA REGISTERED ENGINEER SHALL VERIFY THAT THE EXISTING STRUCTURE IS CAPABLE OF RESISTING THE LOADS IMPOSED SHOWN IN THE FRAME SCHEDULE. DO NOT ATTACH TO STEEL JOISTS WITHOUT COORDINATING WITH JOIST MANUFACTURER OR APPROVAL OF PROFESSIONAL ENGINEER.

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
Acceptance No. 07-0516.04  
Expiration Date 09/05/2012  
By: *Heber A. Nelson*  
Professional Engineer  
Division

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Professional Engineer  
FL License No.: PE 0041961

MAX 02 2007

no.	date	by	description
0	05/02/2007	TLF	PREVIOUSLY DRAWING NO. 03-378

date 05/02/2007  
scale AS NOTED  
design by TLF  
checked by VJK  
drawing no. 07-369  
sheet 2 of 3