

ALUMINUM WALL MOUNTED BRACKET STAND FOR AIR CONDITIONING UNIT

1- THIS EQUIPMENT UNIT STAND SYSTEM SHOWN ON THIS PRODUCT EVALUATION DOCUMENT (P.E.D) HAS BEEN VERIFIED FOR CODE COMPLIANCE IN ACCORDANCE WITH THE 2026 (9th EDITION) OF THE FLORIDA BUILDING CODE AND CHAPTER 20 OF SAME, FOR USE WITHIN THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OR OUT OF IT. DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED SEPARATELY ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE USING ASD METHODOLOGY, IN ACCORDANCE WITH ASCE 7-22 AND SECTIONS 1609.1.1, 1616.1.1, 1620.1, 1620.2, 1620.3, 1620.6 & 1620.7 OF THE FLORIDA BUILDING CODE, AND SHALL BE LESS THAN OR EQUAL TO THE LATERAL AND UPLIFT DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN:

MAX LATERAL A.S.D. WIND LOAD: +90,-90psf
MAX UPLIFT A.S.D. WIND LOAD: -90 psf

2- THE ARCHITECT/ENGINEER OF RECORD FOR THE EXISTING STRUCTURE THAT WILL SUPPORT THESE ALUMINUM STANDS SHALL BE RESPONSIBLE FOR ITS INTEGRITY AND SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND THE SUPERIMPOSED LOADS (ASD) - REF "REACTION SCHEDULE" INDICATED ON THIS SHEET, WHERE REACTION FORCES ARE LISTED FOR USE WITH EXISTING STRUCTURE. DESIGN PROFESSIONAL OF RECORD SHALL VERIFY APPLICABILITY AND/OR ADDITIONAL FACTORS FOR USE WITH EXISTING STRUCTURE VERIFICATION.

3- PRODUCT MANUFACTURER'S LABEL SHALL BE PLACED ON AN EXPOSED SURFACE OF STAND, INCLUDING MANUFACTURER'S NAME, CITY WHERE LOCATED AND THE FLORIDA PRODUCT APPROVAL NUMBER.

4- STAND SHALL BE INSTALLED WITH MINIMUM CLEAR HEIGHT AS SPECIFIED ON THIS P.E.D.

5- VIBRATION ISOLATOR PADS SHALL BE PROVIDED BY OTHERS BETWEEN UNITS & STAND.

6- STRUCTURAL ADEQUACY OF EQUIPMENT FOR WIND RESISTANCE IS NOT PART OF THIS DOCUMENT AND MUST BE VERIFIED SEPARATELY.

7- ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS. ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ETC.) SHALL BE AS PER MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.

8- MAXIMUM DIMENSIONS AND WEIGHT OF MECHANICAL UNITS SHALL CONFORM TO SPECIFICATIONS STATED HEREIN, SEE SHEET 3.

9- ALL ANCHORS, SCREWS & BOLTS TO WALL SHALL BE AS SPECIFIED ON THIS DRAWING, AND SHALL COMPLY WITH SECTIONS 2411.3.3.4 & 1711 OF THE FLORIDA BUILDING CODE.

10- ALL ALUMINUM EXTRUSIONS SHALL BE 6061-T6 ALLOY & TEMPER, UNLESS NOTED OTHERWISE. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWS D 1.2 REQUIREMENTS, USING 5356 FILLER ALLOYS.

11- ALL EXISTING CONCRETE SUBSTRATE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI. ALL CONCRETE BLOCK WALL SHALL HAVE f'm= 1500 psi AND TO BE ASTM C-90 COMPLIANT. ALL WOOD STUDS AT WOOD FRAME WALLS SHALL BE HAVE A MIN. G=0.55 DENSITY.

12- ALL ALUMINUM EXTRUSIONS IN CONTACT WITH DISSIMILAR MATERIALS SHALL COMPLY WITH SECTION III-6 OF THE 2020 ALUMINUM DESIGN MANUAL.

13- ENGINEER SEAL AFFIXED HERETO VALIDATE STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED ON THIS DOCUMENT.

14- WATER-TIGHTNESS OF EXISTING HOST SUBSTRATE SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR. CONTRACTOR SHALL ENSURE THAT ANY REMOVED OR ALTERED WATERPROOFING MEMBRANE IS RESTORED AFTER FABRICATION AND INSTALLATION OF STRUCTURE

THIS DRAWING SHALL ONLY BE USED TO
OBTAIN PERMITS IN THE STATE OF FLORIDA

PROPOSED HEREIN. THIS ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY WATERPROOFING OR LEAKAGE ISSUES WHICH WAY OCCUR AS WATER-TIGHTNESS SHALL BE THE FULL RESPONSIBILITY OF THE INSTALLING CONTRACTOR.

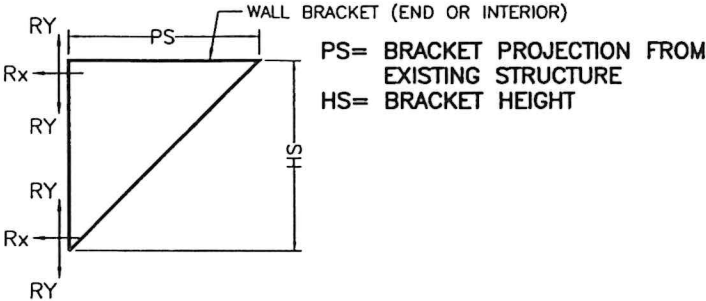
15- (a) THIS P.E.D. (PRODUCT EVALUATION DOCUMENT) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.

(b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.E.D., PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

(c) THIS P.E.D. WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

(d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.

(e) ORIGINAL P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



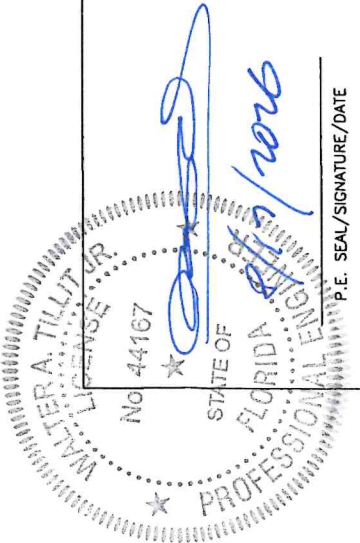
REACTION SCHEDULE

BRACKET DIMENSIONS					
PS	HS	END BRACKETS*		INTERIOR BRACKETS**	
		Rx(Lbs.)	Ry(Lbs.)	Rx(Lbs.)	Ry(Lbs.)
18	18	65	117	336	261
24	24	194	201	336	261
30	30	205	202	336	261
24	18	255	197	336	261
36	30	190	170	336	261
48	36	660	476	336	261
36	36	190	170	336	261
40	40	660	476	336	261

* SEE SHEET 3,6
** SEE SHEET 4,6

SHEET #	INDEX
	DESCRIPTION
1	GENERAL NOTES AND INDEX
2	BILL OF MATERIALS AND COMPONENTS
3	ASSEMBLY DETAILS FOR WALL MOUNTED BRACKET STAND W/ ONLY (2) END BRACKETS
4	ASSEMBLY DETAILS FOR WALL MOUNTED BRACKET STAND W/ UP TO (2) INTERIOR BRACKETS
4A	ASSEMBLY DETAILS FOR WALL MOUNTED BRACKET STAND W/ UP TO (3) INTERIOR BRACKETS
5	EQUIPMENT UNIT TIE DOWN TO BRACKET DETAILS
6	END WALL BRACKET ANCHORAGE TO EXISTING STRUCTURE
6A	INTERIOR WALL BRACKET ANCHORAGE TO EXISTING STRUCTURE

NOTE: THIS ENGINEER'S SIGNATURE & SEAL ARE ONLY CERTIFYING GENERIC ENGINEERING INCLUDED ON THIS DRAWING, THIS ENGINEER HAS NOT SELECTED WHICH CASES APPLY FOR THE GIVEN JOB ADDRESS AND CONDITIONS.



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TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 303, Virginia Gardens, FL 33166
Phone: (954) 381-1131
E-mail: tiltco@tiltco.com
CA-0006719
WALTER A. TILLIT JR. P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (High and Non High Velocity Hurricane Zone)

ALUMINUM WALL MOUNTED BRACKET STAND FOR AIR CONDITIONING UNIT

F&L ALUMINUM PARTS, INC.

2087 N. POWERLINE RD. SUITE #1
POMPANO BEACH, FL. 33069

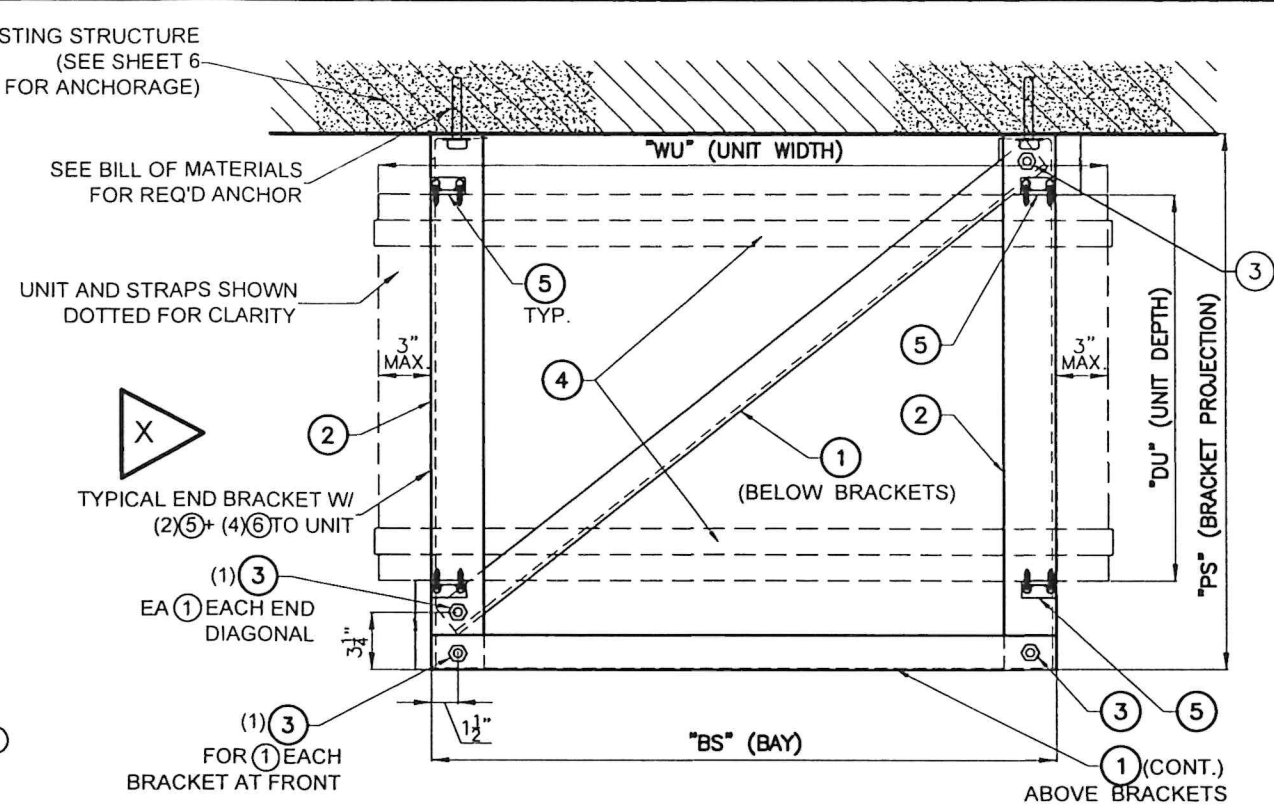
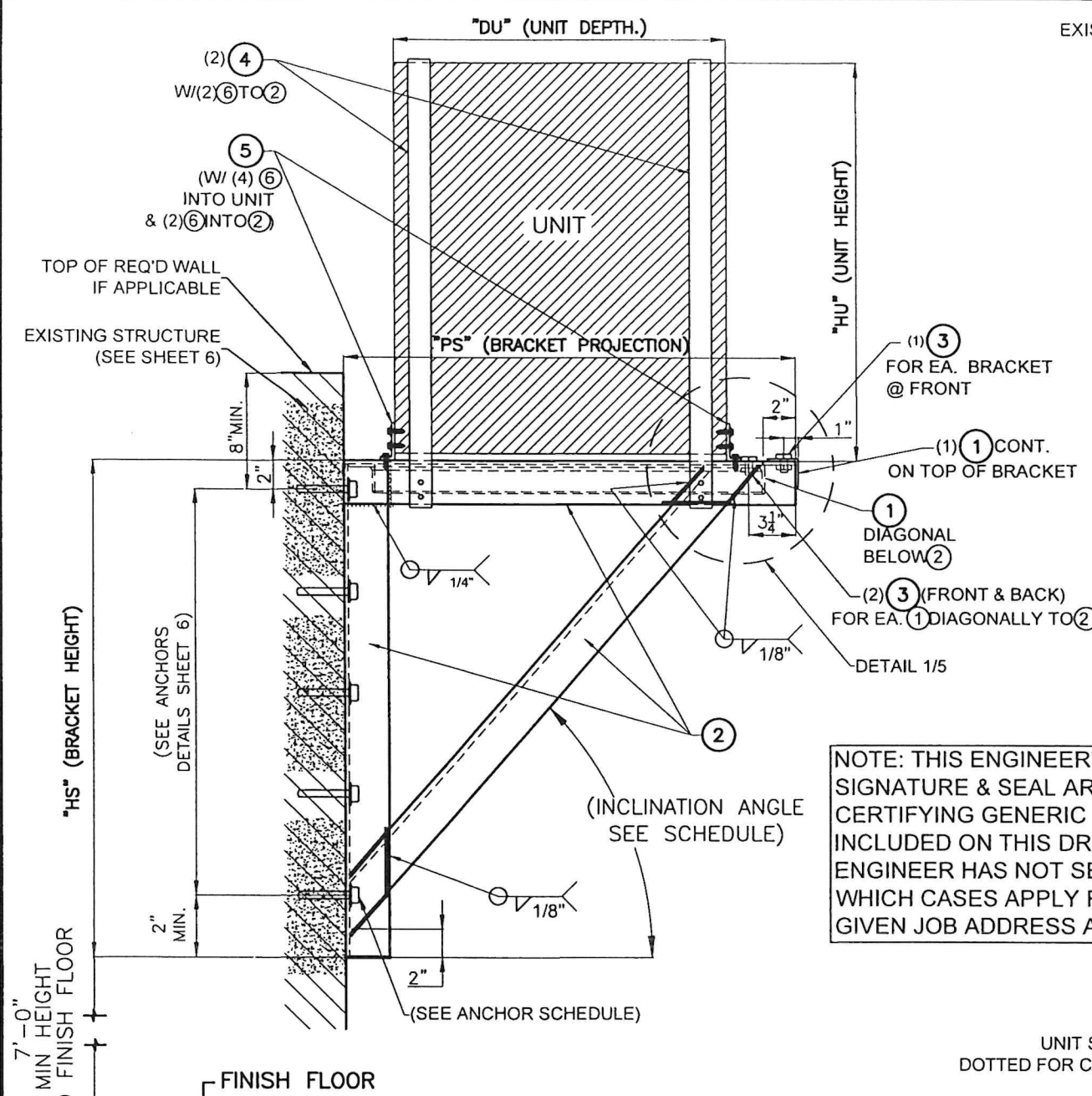
DRAWN BY: W.H

06/26/2026 DATE

26-079

DRAWING No

SHEET 1 OF 6



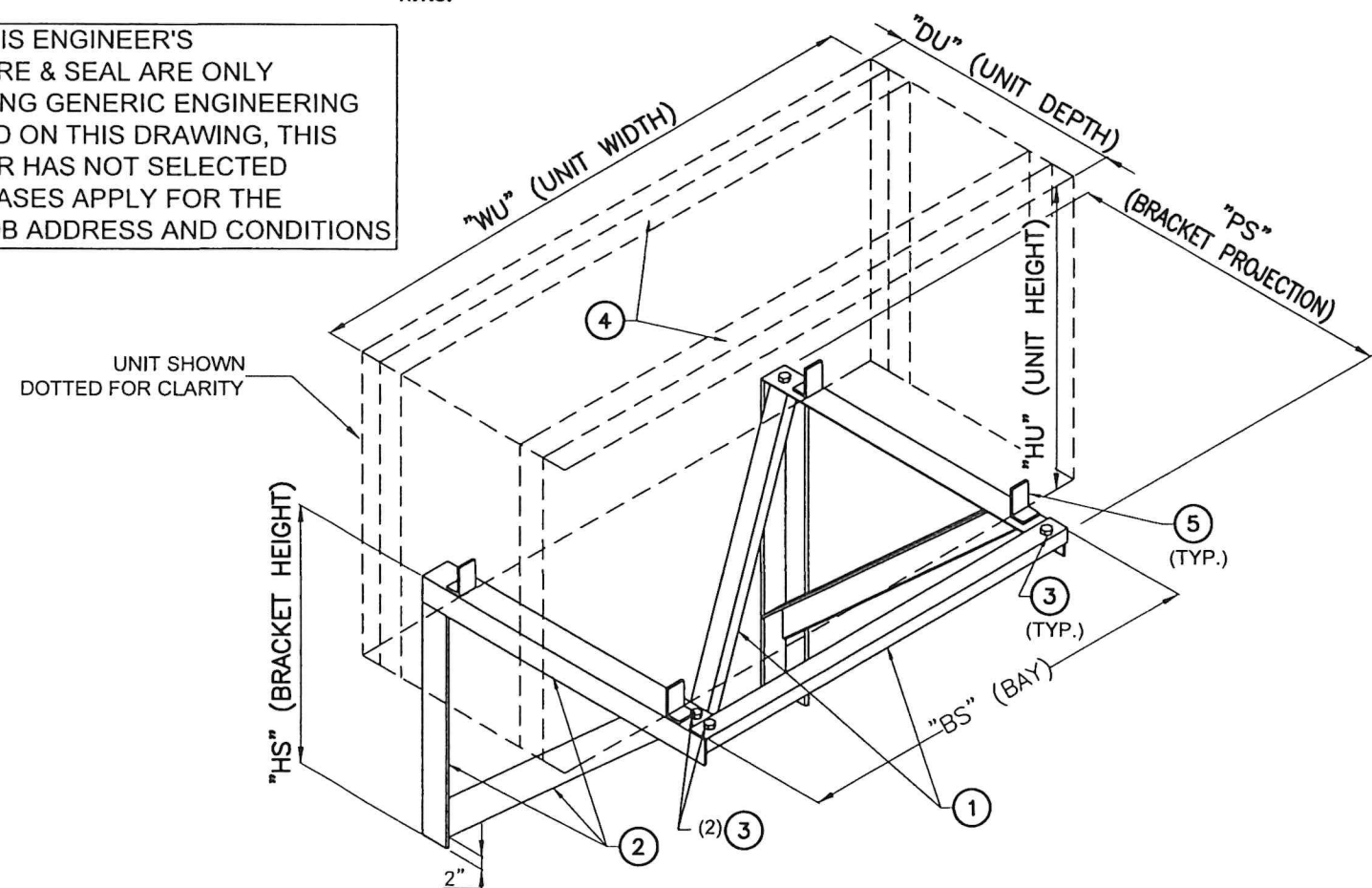
WALL MOUNTED STAND WITH (2) END BRACKETS (SIDE ELEVATION)
N.T.S.

WALL MOUNTED STAND WITH (2) END BRACKETS (PLAN)
N.T.S.

NOTE: THIS ENGINEER'S SIGNATURE & SEAL ARE ONLY CERTIFYING GENERIC ENGINEERING INCLUDED ON THIS DRAWING, THIS ENGINEER HAS NOT SELECTED WHICH CASES APPLY FOR THE GIVEN JOB ADDRESS AND CONDITIONS

INCLINATION ANGLE	DIMENSIONS SCHEDULE BRACKET/UNIT						
	BRACKET DIMENSIONS			MAX. UNIT DIMENSIONS			MAXIMUM TOTAL UNIT WEIGHT (SEE SHEET 4)
	PS	HS	BS	WU	DU	HU	
45°	18"	18"	30"	36"	12"	30"	500 Lb.
45°	24"	24"	30"	36"	18"	30"	500 Lb.
45°	30"	30"	30"	36"	24"	35"	500 Lb.
37°	24"	18"	30"	36"	18"	30"	500 Lb.
40°	36"	30"	30"	36"	30"	36"	500 Lb.
37°	48"	36"	30"	36"	36"	40"	500 Lb.
45°	36"	36"	30"	36"	30"	36"	500 Lb.
45°	40"	40"	30"	36"	34"	40"	500 Lb.

TYPICAL WALL MOUNTED STAND WITH (2) END BRACKETS WITHOUT INTERIOR ADDITIONAL BRACKETS (SEE SHEETS 4 & 4A FOR INTERIOR BRACKET STANDS)



WALL MOUNTED STAND WITH (2) END BRACKETS (ISOMETRIC)
N.T.S.

FLORIDA BUILDING CODE (High and Non High Velocity Hurricane Zone)

ALUMINUM WALL MOUNTED BRACKET STAND FOR AIR CONDITIONING UNIT

F&L ALUMINUM PARTS, INC.

2087 N. POWERLINE RD. SUITE #1
POMPANO BEACH, FL. 33069

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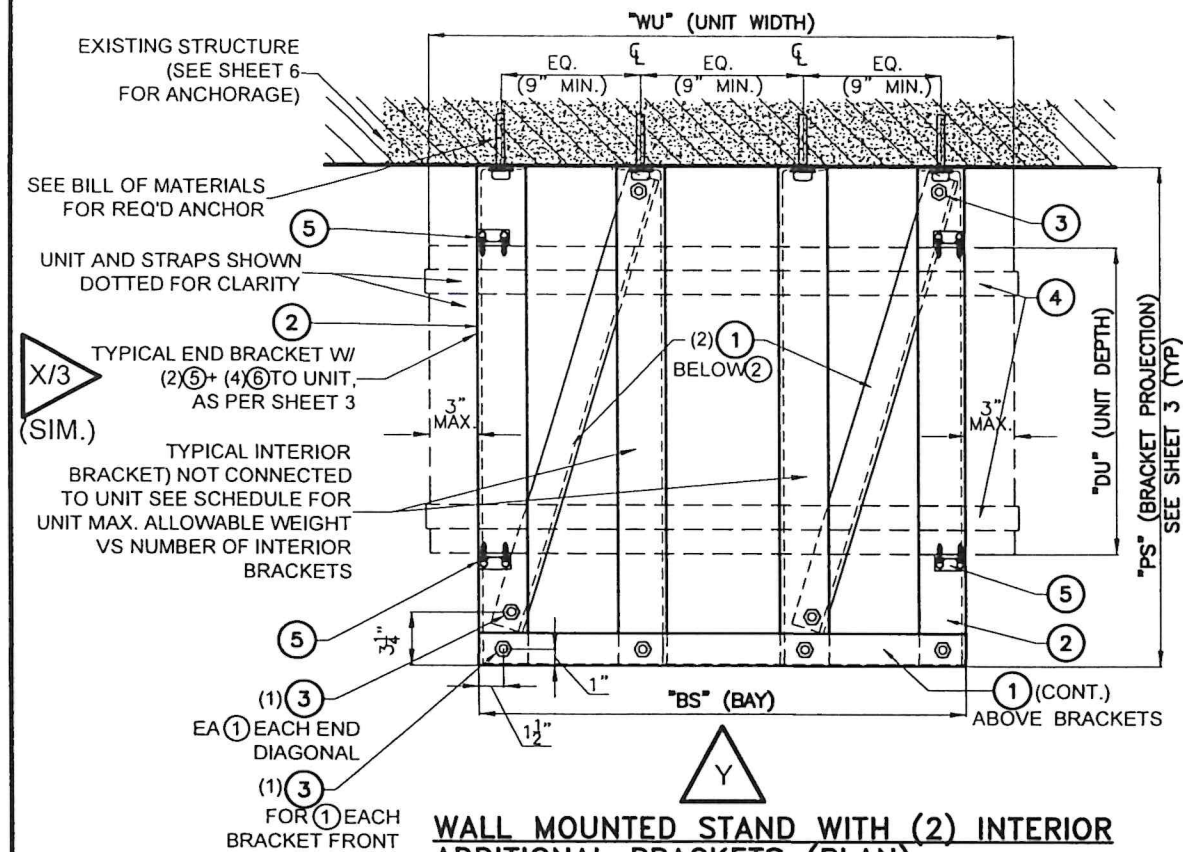
REV. No. 1
DESCRIPTION: 06/24/2026
DATE: 1/24/21
REV. No. 3
DESCRIPTION: 1/24/21
DATE: 1/24/21
REV. No. 4
DESCRIPTION: 1/24/21
DATE: 1/24/21

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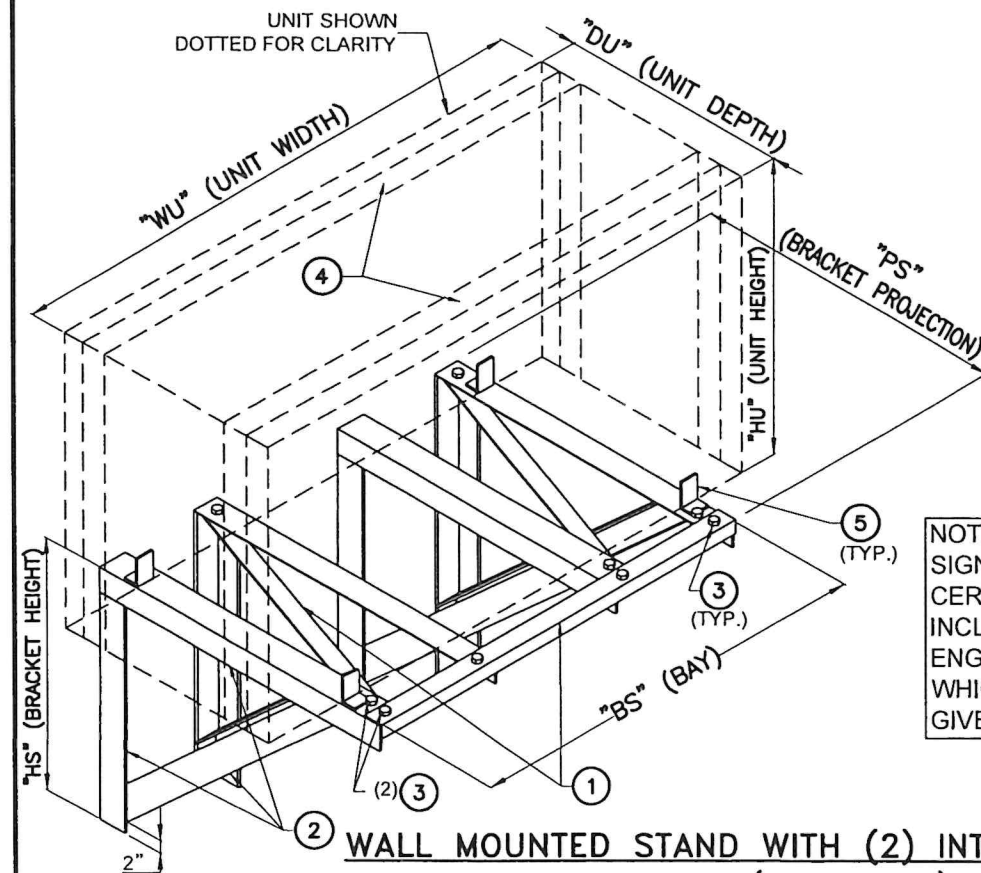
TILTECO INC.

TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Suite 300, Virginia Gardens, FL 33166
Phone: 781-337-1501
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

FLORIDA PROFESSIONAL ENGINEER
No. 44167
WALTER A. TILLIT JR.
P.E. SEAL/SIGNATURE/DATE
6/13/2026

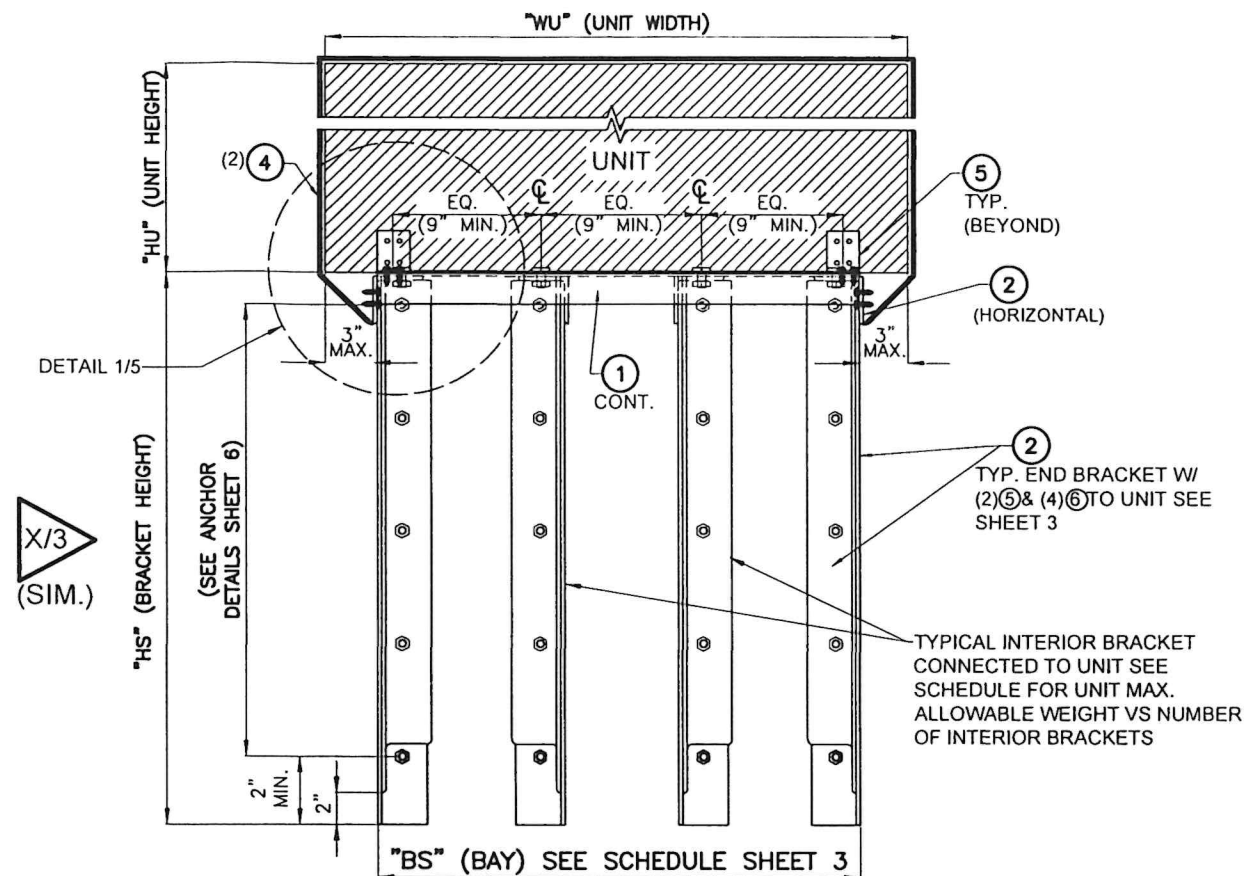


WALL MOUNTED STAND WITH (2) INTERIOR ADDITIONAL BRACKETS (PLAN)
N.T.S.



WALL MOUNTED STAND WITH (2) INTERIOR ADDITIONAL BRACKETS (ISOMETRIC)
N.T.S.

NOTE: THIS ENGINEER'S SIGNATURE & SEAL ARE ONLY CERTIFYING GENERIC ENGINEERING INCLUDED ON THIS DRAWING, THIS ENGINEER HAS NOT SELECTED WHICH CASES APPLY FOR THE GIVEN JOB ADDRESS AND CONDITIONS



WALL MOUNTED STAND WITH (2) INTERIOR ADDITIONAL BRACKETS (FRONT ELEV. Y)
N.T.S.

NOTES ON USE OF ADDITIONAL INTERIOR, WALL MOUNTED BRACKETS TO CARRY UNITS WEIGHT LARGER THAN SHOWN ON SCHEDULE ON SHEET 3

- 1: ADDITIONAL INTERIOR WALL MOUNTED BRACKETS MAY BE INSTALLED TO CARRY UNITS WITH WEIGHTS LARGER THAN INDICATED ON SCHEDULE ON SHEET 3.
- 2: MAXIMUM UNIT WEIGHTS SHALL BE AS PER SCHEDULE SHOWN ON THIS SHEET.
- 3: ADDITIONAL INTERIOR WALL MOUNTED BRACKETS WILL NOT BE CONNECTED TO A/C UNITS BUT WILL BE ALWAYS DIAGONALLY & LONGITUDINALLY BRACED PER DETAIL SHOWN ON THIS SHEET WITH COMPONENT 1 & 3.
- 4: MAX. UNIT DIMENSIONS SHALL BE LIMITED TO SAME DIMENSIONS AS PER SCHEDULE ON SHEET 3 FOR A GIVEN BRACKET DIMENSION. HOWEVER UNIT WEIGHT MAY BE LARGER.

END & INTERIOR BRACKETS SCHEDULES VS MAX. UNIT WEIGHT

#OF END BRACKETS	#OF ADDITIONAL INTERIOR BRACKETS	MAX. UNIT WEIGHT
2	0	500 Lb.
2	2	1500 Lb.
2	3	2000 Lb.

TYPICAL WALL MOUNTED BRACKET STANDS WITH (2) INTERIOR ADDITIONAL BRACKETS TO SUPPORT UNIT WEIGHTS LARGER THAN SHOWN ON SCHEDULE ON SHEET 3 (SEE SHEET 3 FOR END BRACKET STANDS)

FLORIDA BUILDING CODE (High and Non High Velocity Hurricane Zone)

DRAWN BY: W.H.		DATE: 06/26/2026	
ALUMINUM WALL MOUNTED BRACKET STAND FOR AIR CONDITIONING UNIT		26-079	
F&L ALUMINUM PARTS, INC.		DRAWING No	
2087 N. POWERLINE RD. SUITE #1		DATE	
POMPAHO BEACH, FL. 33069		DESCRIPTION	
REV. No	DATE	REV. No	DATE
1	8/29/24	3	-
2	-	4	-
SHEET 4 OF 6			

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TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305) 881-1331
Email: tilteco@tilteco.com
WALTER A. TILLIT JR. P.E.
FLORIDA Lic. # 44167

No. 44167

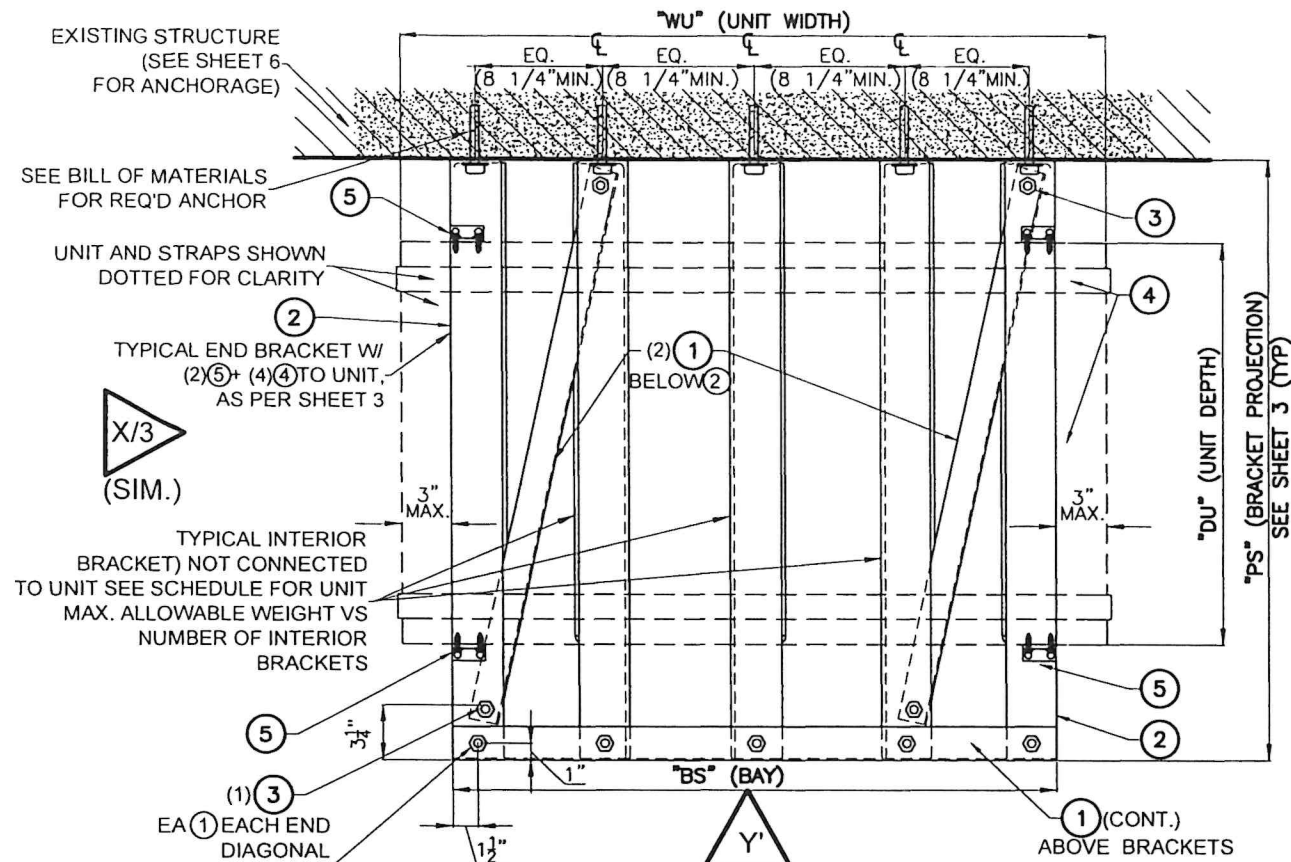
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PROFESSIONAL ENGINEER

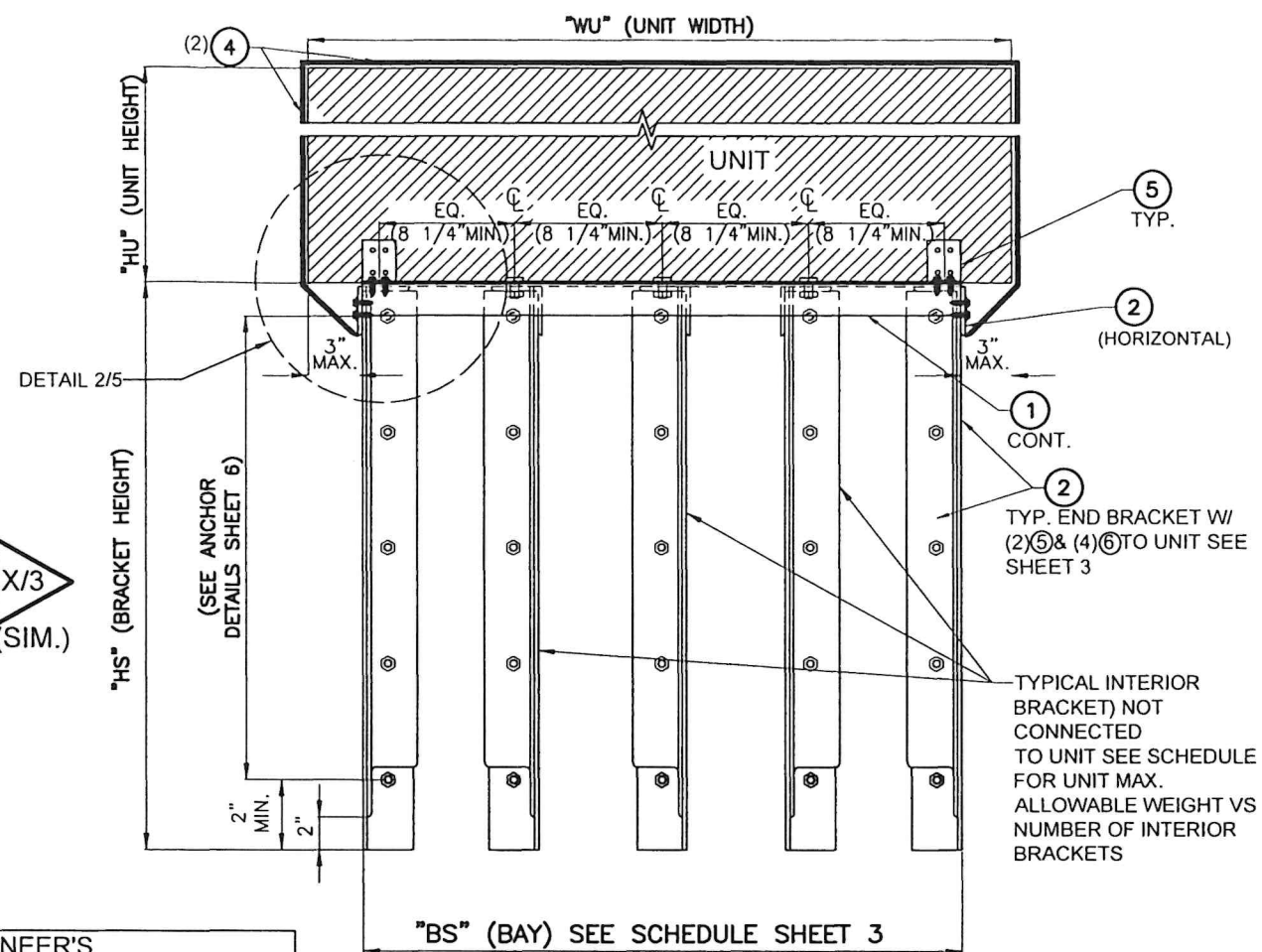
DATE: 8/27/2026

P.E. SEAL/SIGNATURE/DATE

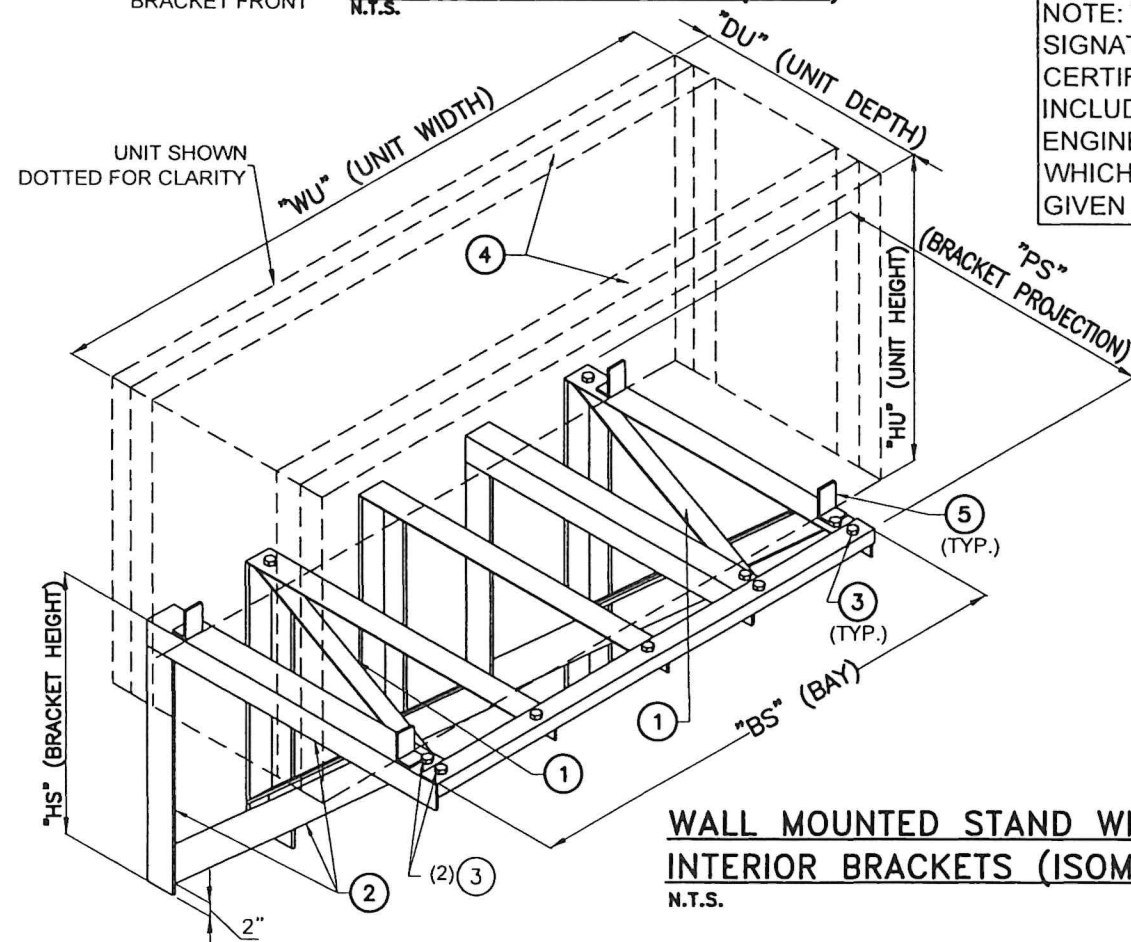


WALL MOUNTED STAND WITH (3) INTERIOR ADDITIONAL BRACKETS (PLAN)
N.T.S.

X/3
(SIM.)



WALL MOUNTED STAND WITH (3) INTERIOR ADDITIONAL BRACKETS (FRONT ELEV.)
N.T.S.



WALL MOUNTED STAND WITH (3) INTERIOR BRACKETS (ISOMETRIC)
N.T.S.

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TYPICAL WALL MOUNTED BRACKET STANDS WITH (3) INTERIOR ADDITIONAL BRACKETS TO SUPPORT UNIT WEIGHTS LARGER THAN SHOWN ON SCHEDULE ON SHEET 3 (SEE SHEET 3 FOR END BRACKET STANDS)

(SEE SHEET 4 FOR # OF INTERIOR BRACKETS VS WEIGHT SCHEDULE AND NOTES)

FLORIDA BUILDING CODE (High and Non High Velocity Hurricane Zone)

DRAWN BY: W.H.		DATE: 06/26/2026	
ALUMINUM WALL MOUNTED BRACKET STAND FOR AIR CONDITIONING UNIT		F&L ALUMINUM PARTS, INC.	
2087 N. POWERLINE RD. SUITE #1		26-079	
POMPANO BEACH, FL. 33069		DRAWING NO	
REV. NO.	DESCRIPTION	DATE	REV. NO.
1	OLD 24-039	4/24/24	3
2			4
SHEET 4A OF 6			

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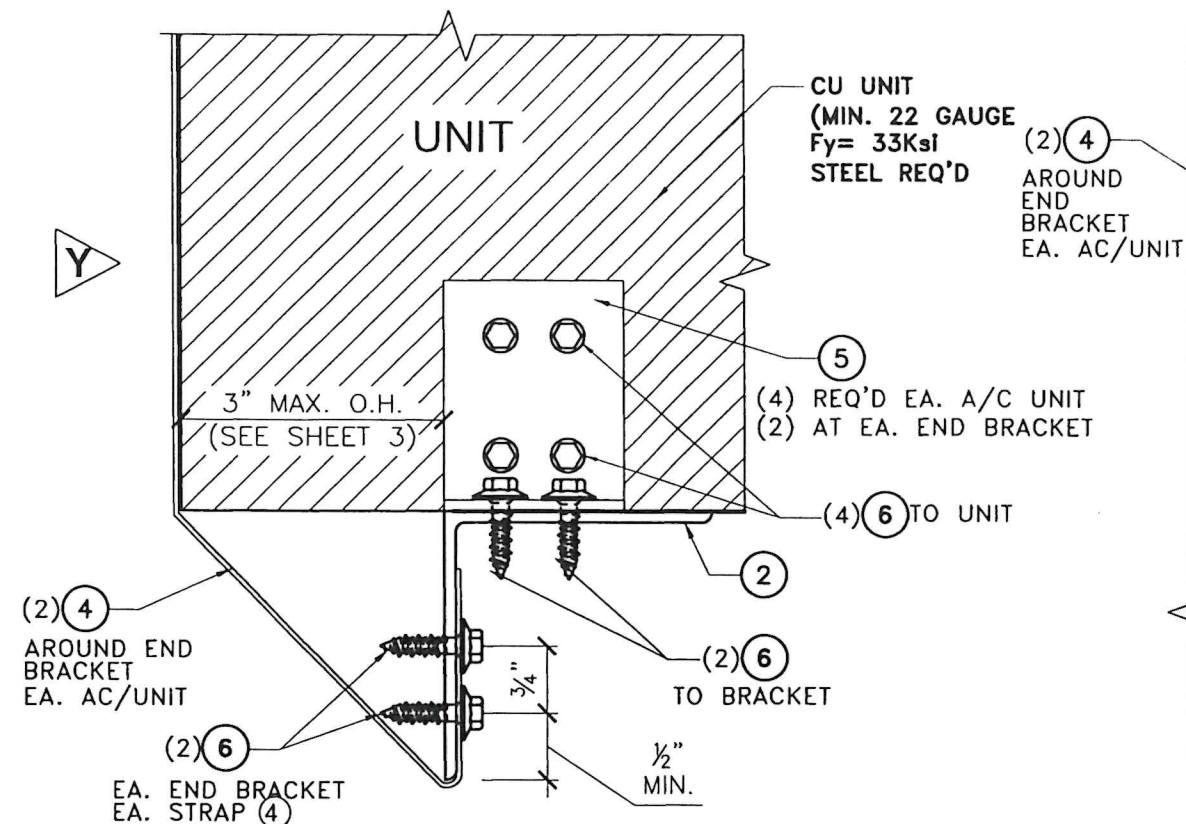
TILLIT TESTING & ENGINEERING COMPANY
8355 N.W. 36th Ave., Ste. 305
Pompano Beach, FL 33166
Phone: (305) 947-1531
Fax: (305) 947-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT JR. P.E.
FLORIDA Lic. # 44167

No. 44167

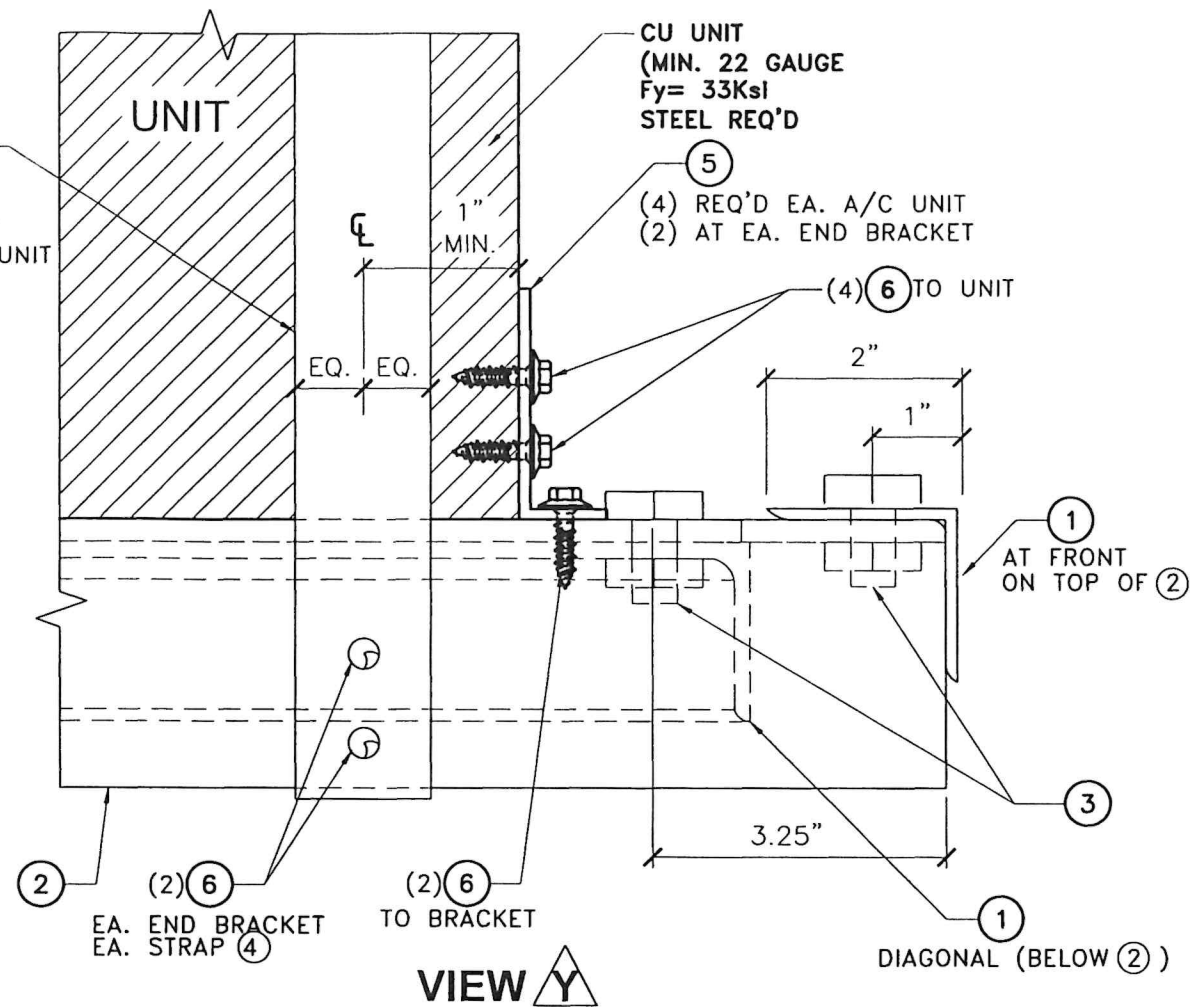
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8/7/2026

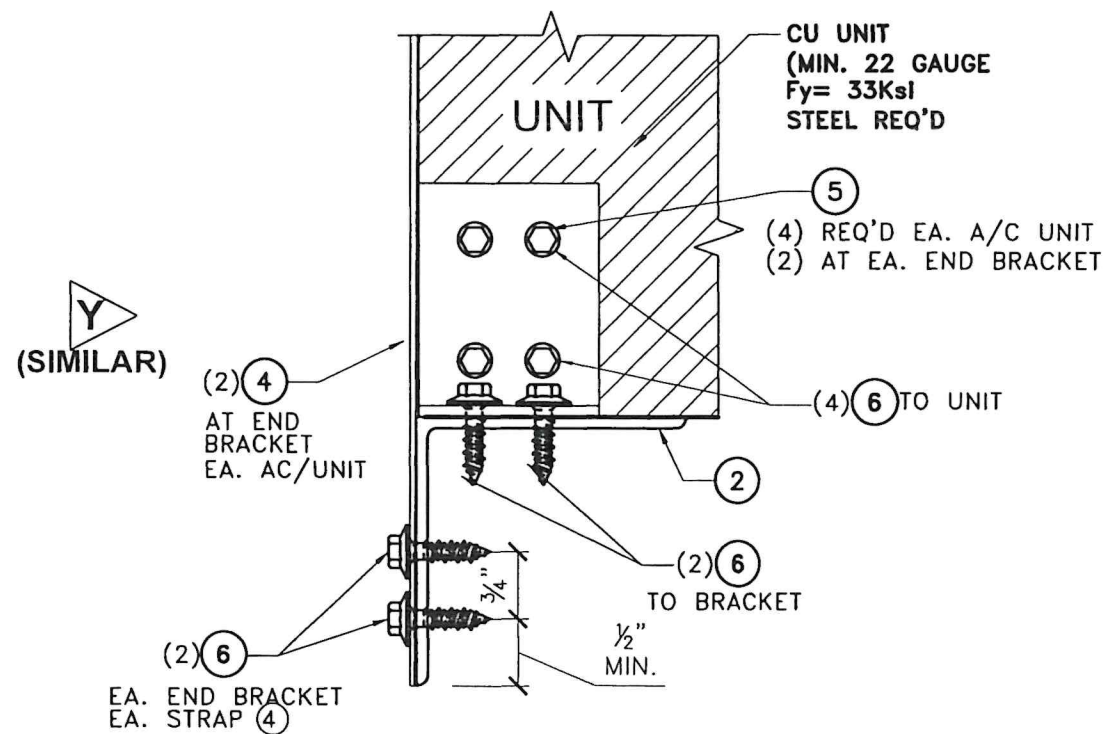
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DETAIL 1
(WHEN UNIT OVERHANG)
1/2"= 0'- 1" ELEVATION



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DETAIL 2
(OPTIONAL WHEN UNIT DOES NOT OVERHANG)
1/2"= 0'- 1" ELEVATION

FLORIDA BUILDING CODE (High and Non High Velocity Hurricane Zone)

ALUMINUM WALL MOUNTED BRACKET
STAND FOR AIR CONDITIONING UNIT

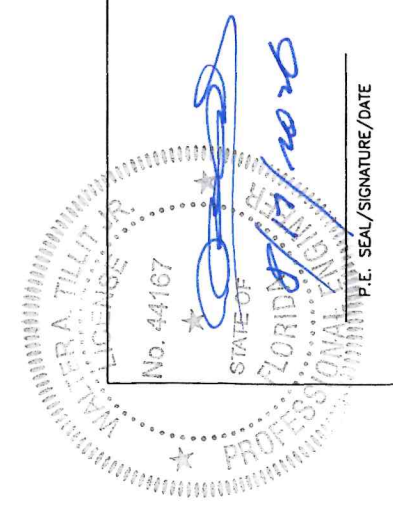
F&L ALUMINUM PARTS, INC.
2087 N. POWERLINE RD. SUITE #1
POMPANO BEACH, FL. 33069

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TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6335 N.W. 36th St., Suite 300
Pompano Beach, FL 33069
Phone: 954-781-1531
e-mail: tilteco@aol.com
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

REV. NO.	DATE	DESCRIPTION
1	04/24/03	OLD 24-035
2	-	-
3	-	-
4	-	-

DRAWN BY: W.H.
DATE: 06/26/2026
26-079
DRAWING NO.
SHEET 5 OF 6



REQUIRED END BRACKETS ANCHORAGE TO EXISTING WALL SUBSTRATE VS BRACKET DIMENSIONS

END BRACKETS (SEE SHEET 3)					
BRACKET DIMENSIONS	POURED CONCRETE	GROUTED CONCRETE BLOCK WALL	HOLLOW CONCRETE BLOCK WALL	WOOD FRAME	STEEL FRAME

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FLORIDA BUILDING CODE (High and Non High Velocity Hurricane Zone)

ALUMINUM WALL MOUNTED BRACKET STAND FOR AIR CONDITIONING UNIT

F&L ALUMINUM PARTS, INC.
2087 N. POWERLINE RD. SUITE #1
POMPANO BEACH, FL. 33069

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TILTECO inc.

TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 303, VERO BEACH, FL 33166
Phone : (352) 236-1111
E-mail: tilteco@tillit.com

FLORIDA PROFESSIONAL ENGINEER
WALTER A. TILLIT JR., P.E.
No. 44167
2/17/2026

P.E. SEAL/SIGNATURE/DATE

DRAWN BY: W.H

06/26/2026

DATE

26-079

DRAWING NO

SHEET 6 OF 6

REQUIRED INTERIOR BRACKETS ANCHORAGE TO EXISTING WALL SUBSTRATE VS
BRACKET DIMENSIONS

INTERIOR BRACKETS (SEE SHEETS 4 & 4A)					
BRACKET DIMENSIONS	POURED CONCRETE	GROUTED CONCRETE BLOCK WALL	HOLLOW CONCRETE BLOCK WALL	WOOD FRAME	STEEL FRAME
18					
24					
30					
18					
36					
48					
36					
40					

NOTE: THIS ENGINEER'S
SIGNATURE & SEAL ARE ONLY
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GIVEN JOB ADDRESS AND CONDITIONS

FLORIDA BUILDING CODE (High and Non High Velocity Hurricane Zone)

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TILTECO INC.

TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th Ave., Suite 130, Pompano Beach, FL 33066
Phone: (305) 971-1550 Fax: (305) 971-1551
e-mail: tilteco@sol.com

WALTER A. TILLIT JR., P.E.
CA-0006719
FLORIDA Lic. # 44167

No. 44167

STATE OF FLORIDA

PROFESSIONAL ENGINEER

P.E. SEAL/SIGNATURE/DATE

8/17/2026

ALUMINUM WALL MOUNTED BRACKET
STAND FOR AIR CONDITIONING UNIT

F&L ALUMINUM PARTS, INC.

2087 N. POWERLINE RD. SUITE #1
POMPANO BEACH, FL. 33069

REV. No. DATE DESCRIPTION

1	1	1	1
2	2	2	2

26-079
DRAWING No

SHEET 6A OF 6