

INSTALLATION OF MINI-SPLIT UNITS INTO APPROVED STANDS

GENERAL NOTES:

1- INSTALLATION OF MINI-SPLIT UNITS INTO APPROVED STAND HAVE BEEN VERIFIED IN ACCORDANCE WITH THE 2026 (9th EDITION) OF THE FLORIDA BUILDING CODE. DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM HAVE BEEN DETERMINED IN ACCORDANCE WITH ASCE 7-22 AND SECTIONS 1620.6 & 1616 OF THE 2026 (9th EDITION) OF THE FLORIDA BUILDING CODE. DESIGN BASED ON SITE INFORMATION PROVIDED BY THE CONTRACTOR TO THIS OFFICE.

MAXIMUM ASD DESIGN WIND LOADS: ALLOWED FOR THIS INSTALLATION OF MINISPLIT UNIT. ROOF MOUNTED STANDS:

LOCATION	LATERAL	UPLIFT
ROOF LEVEL	120.0psf.	94.8psf.

2-STAND SHALL BE INSTALLED AS PER APPROVAL DRAWINGS. (MIAMI DADE COUNTY NOA OR FLORIDA APPROVAL). STAND NOT INCLUDED ON THIS DRAWING.

3- VIBRATION ISOLATOR PADS IF APPLICABLE, PER UNIT MANUFACTURER SPECS SHALL BE PROVIDED BY OTHERS BETWEEN UNITS & STAND.

4- 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.

5- MAXIMUM DIMENSIONS AND WEIGHT OF MECHANICAL UNITS SHALL CONFORM TO SPECIFICATIONS STATED HEREIN, AS LISTED HEREIN. (SEE SHEETS 2 THRU 7) CASES I & II. STRUCTURAL ADEQUACY OF EQUIPMENT IS NOT INCLUDED ON THIS CERTIFICATION.

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

7- ALL ALUMINUM EXTRUSIONS SHALL BE 6063-T5 ALLOY & TEMPER.

8- MINISPLIT UNITS MAY BE INSTALLED ADJACENT TO OTHER CU'S ON THE SAME STAND BUT STAND SHALL COMPLY WHIT LIMITATIONS INDICATED FOR CASES I & II ON THIS DRAWING.

9- 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.

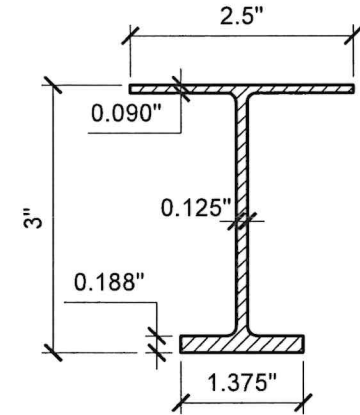
10- THIS ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION SAFETY AT SITE WHICH IS THE CONTRACTOR'S RESPONSIBILITY.

11- 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.

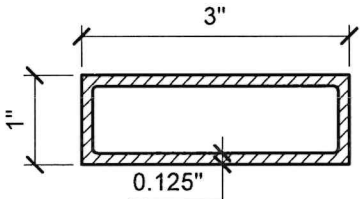
BILL OF MATERIALS: CASES I & II

COMP. No.	DESCRIPTION	DIMENSIONS	MATERIALS	NOTES
①	RAIL I-BEAM	2.50"x1.375"x3"	6061-T6 ALLOY	SUPPORT FOR ROOF TOP EQUIPMENT PER NOA OR FL. APPROVAL
②	STRAP	1.00"x0.030"THK. OR 1.50"x0.030"THK.	ASTM A-653 GRADE 33 G-90 GALV. STEEL	FOR Hu≤34"
③	STRAP**	2.00"x0.030"THK.	ASTM A-653 GRADE 33 G-90 GALV. STEEL	FOR Hu≤56"
④	BOLT & THRU BOLT *	3/8"ø-16	ASTM A-307 OR AISI 304 GALV. STEEL	FOR ①, ② & ③
⑤	MINI-SPLIT	34"Dx13"Wx34"H (MAX. DIMENSIONS)	0.035"Min. Fu=58Ksi.	Hu≤34" Wt≤ 150 Lbs.
⑥	MINI-SPLIT	34"Dx13"Wx56"H (MAX. DIMENSIONS)	0.035"Min. Fu=58Ksi.	Hu≤56" Wt≤ 300 Lbs.
⑦	TRANSVERSE TUBE	3"x1"x1/8"THK.	6063-T5 ALLOY	SUPPORT FOR ROOF TOP EQUIPMENT (CASE II ONLY)

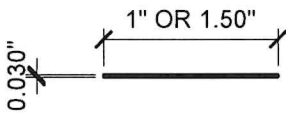
*ONLY STAINLESS STEEL ANCHORS ARE ALLOWED AT INSTALLATIONS WITHIN 300 ft FROM THE COASTAL SHORELINE.



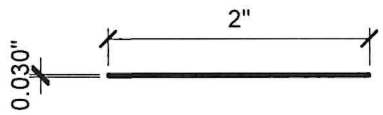
① RAIL (I-BEAM)



⑦ TRANSVERSE TUBE (CASE II ONLY)



② STRAP



③ STRAP**

**NOTE: 2" WIDE STRAP ③ CAN BE ALSO ACHIEVED BY USING ② 1" OR 1.50" WIDE STRAP ② NEXT TO EACH OTHER.

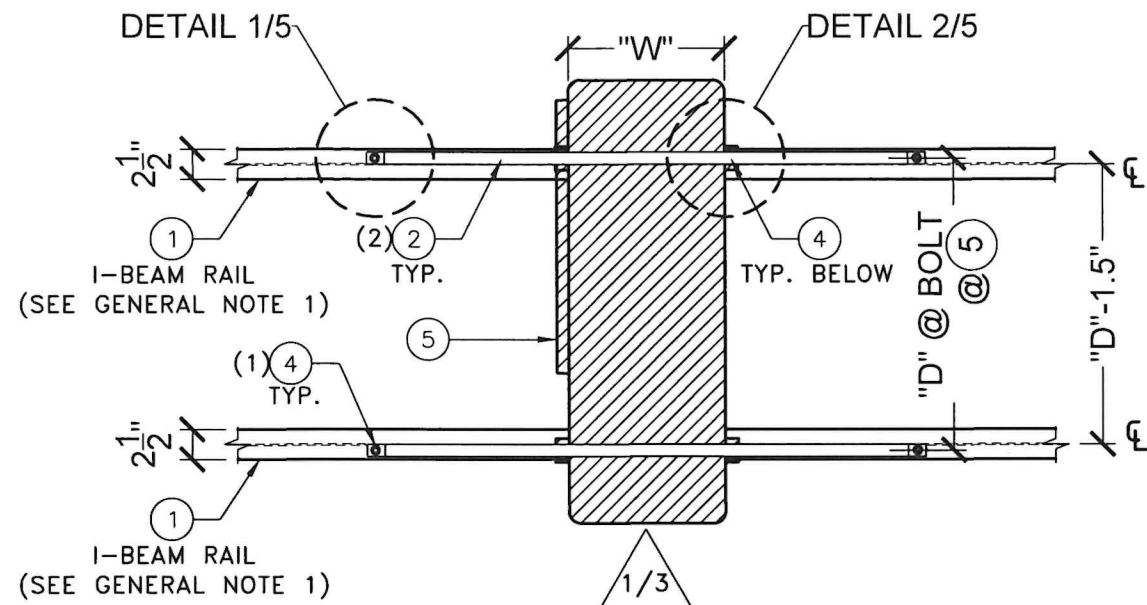
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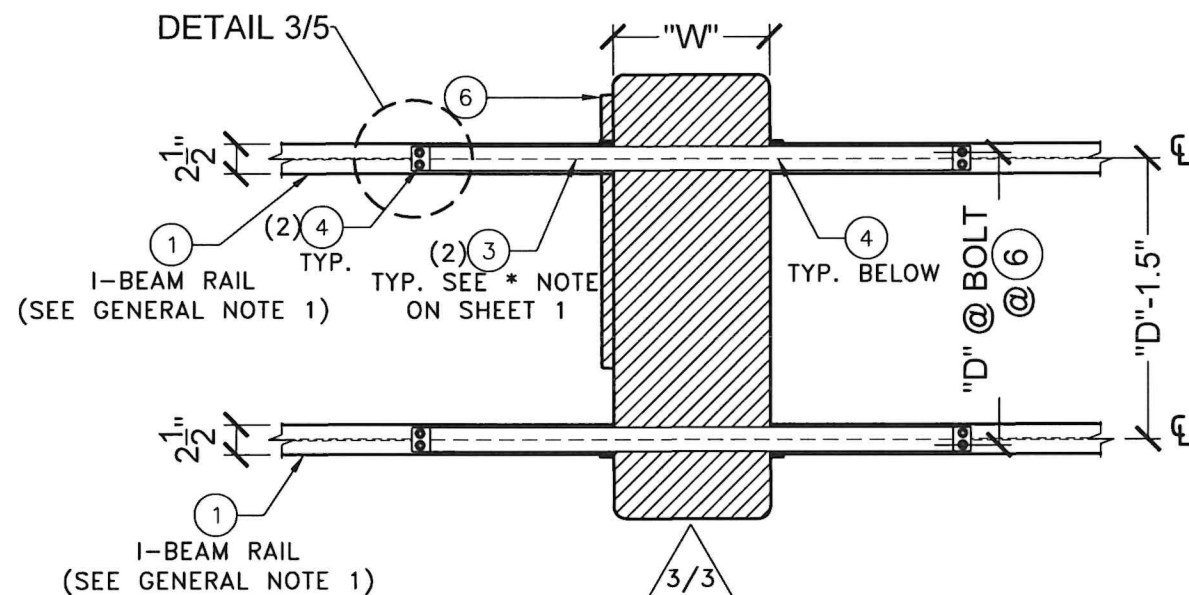
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CA-0006719
WALTER A. TILLIT JR. P.E.
FLORIDA Lic. # 44167

Professional Engineer Seal for Walter A. Tillit Jr., State of Florida, License No. 44167. Includes signature and date.

W.H. DRAWN BY: 08/6/2026 DATE: 26-243 DRAWING No. SHEET 1 of 7
INSTALLATION OF MINI-SPLIT UNITS INTO APPROVED STANDS
F & L ALUMINUM PARTS, INC.
2087 N. POWERLINE RD. SUITE #1
POMPANO BEACH, FL 33069
REV. NO. 1 DESCRIPTION 1 OLD 24-131 DATE 08/6/2026 REV. NO. 2 DESCRIPTION 2 OLD 24-131 DATE 08/6/2026



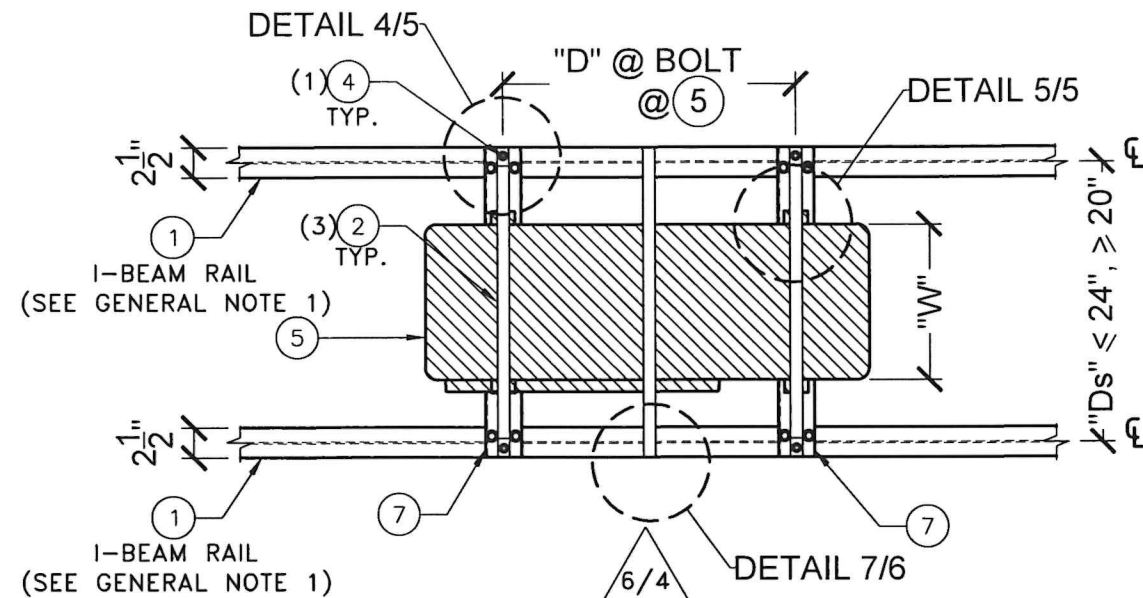
TYP. PLAN VIEW FOR MINI-SPLIT CASE I $H_u \leq 34"$ STAND
 $3/4" = 0'-1"$



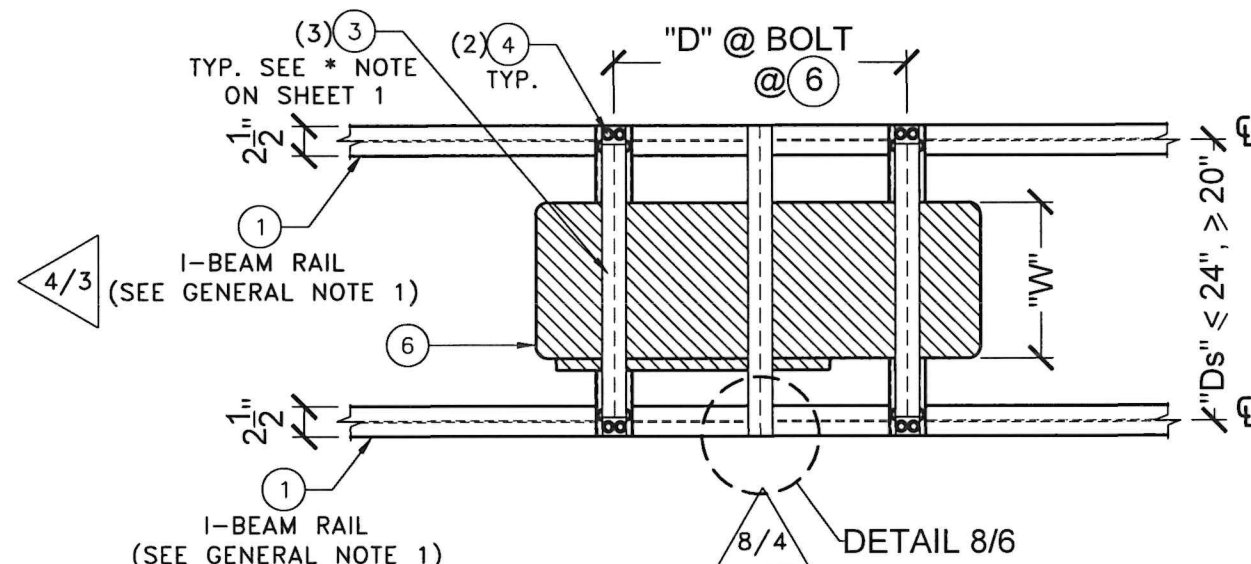
TYP. PLAN VIEW FOR MINI-SPLIT CASE I
 $H_u \leq 56"$, $H_u > 34"$ STAND
 $3/4" = 0'-1"$

CASE I NOTES: MINI-SPLIT "W" INSTALLED PARALLEL TO STAND RAILS.

- 1- STAND'S RAIL SPACING MUST BE $D-1.5"$ WHERE D =MINISPLIT ON CENTERS DISTANCE BETWEEN SUPPORTING LEGS.
- 2- MINISPLIT LEGS TO BE BOLTED TO STAND LEGS W/ (4) EACH LEG.
- 3- (2) STRAPS (2) OR (3) MUST BE USED DEPENDING ON H_u BOLTED TO RAIL W/ (4) EACH END.



TYP. PLAN VIEW FOR MINI-SPLIT CASE II $H_u \leq 34"$ STAND
 $3/4" = 0'-1"$



TYP. PLAN VIEW FOR MINI-SPLIT CASE II
 $H_u \leq 56"$, $H_u > 34"$ STAND
 $3/4" = 0'-1"$

CASE II NOTES: MINI-SPLIT "W" INSTALLED PERPENDICULAR TO STAND RAILS.

- 1-TRANSVERSE TUBE (7) ON CENTERS SPACING MUST COINCIDE W/MINISPLIT LEGS LOCATION.
- 2-TRANSVERSE TUBE (7) MUST BE CONNECTED TO RAIL W/(2) (4) EACH END.
- 3-MINISPLIT LEGS MUST BE CONNECTED TO (7) W/ (4) EACH LEG.
- 4-(2) STRAPS (2) OR (3) DEPENDING ON H_u MUST BE USED BOLTED TO (7) W/ (2) (4) EACH END.
- 5-INSTALLATION ONLY VALID FOR STANDS W/ $D_s \leq 24"$, $\geq 20"$.

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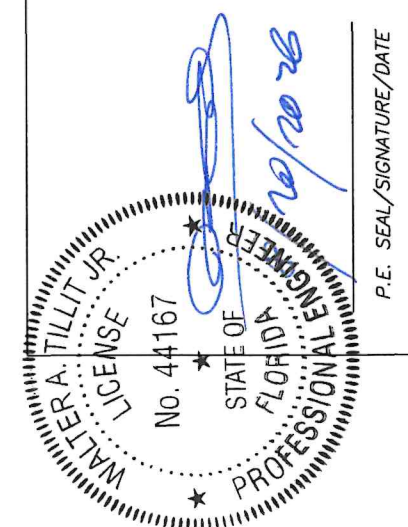
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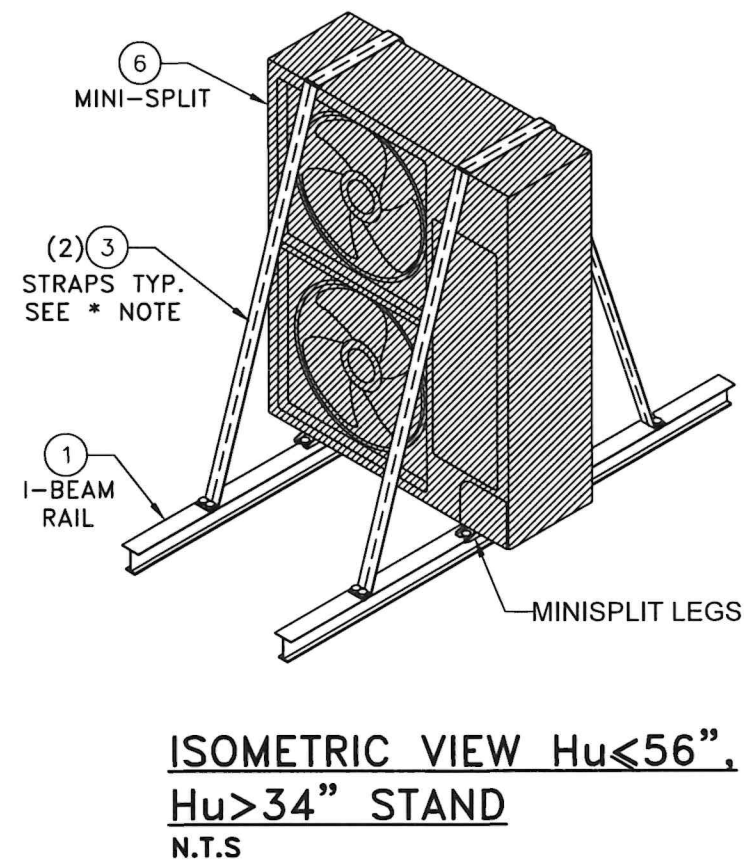
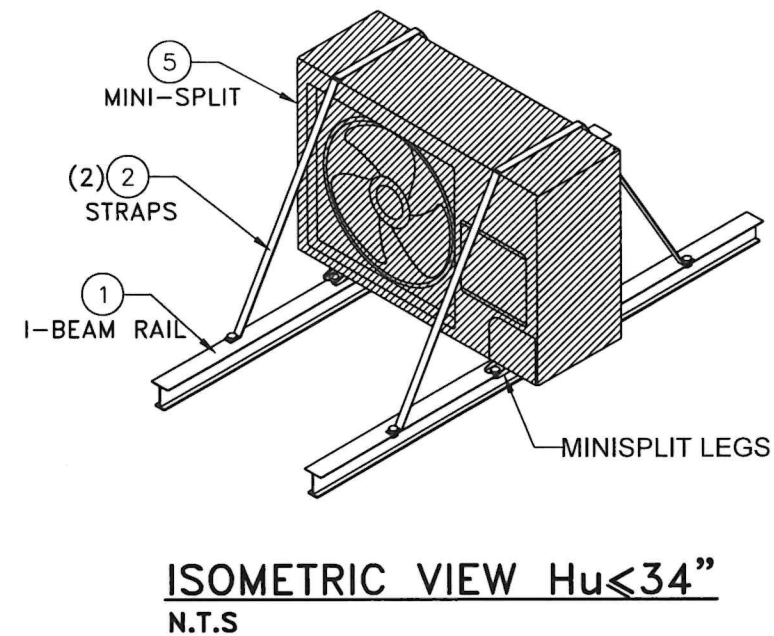
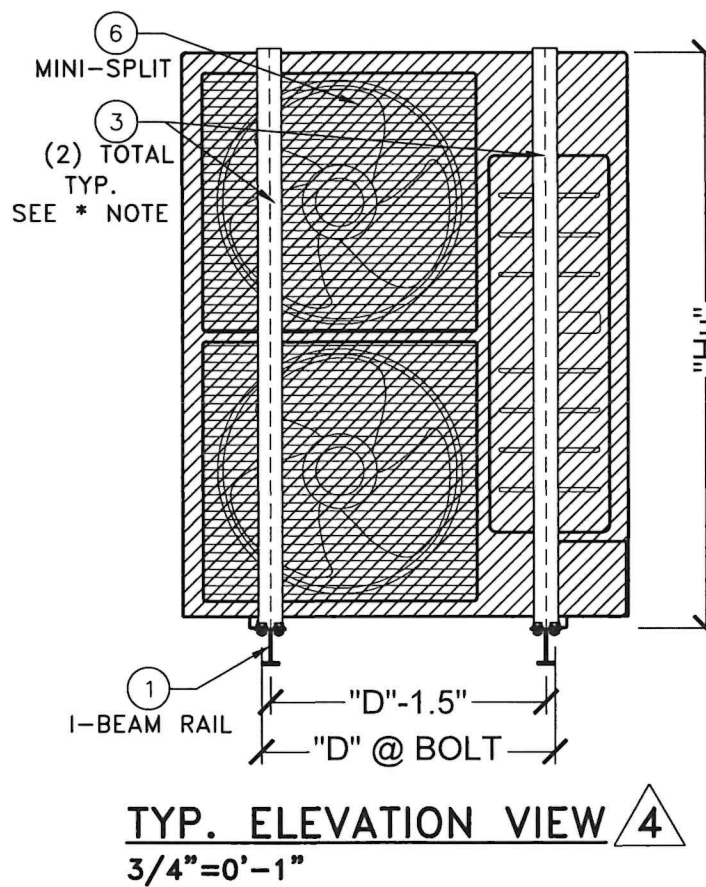
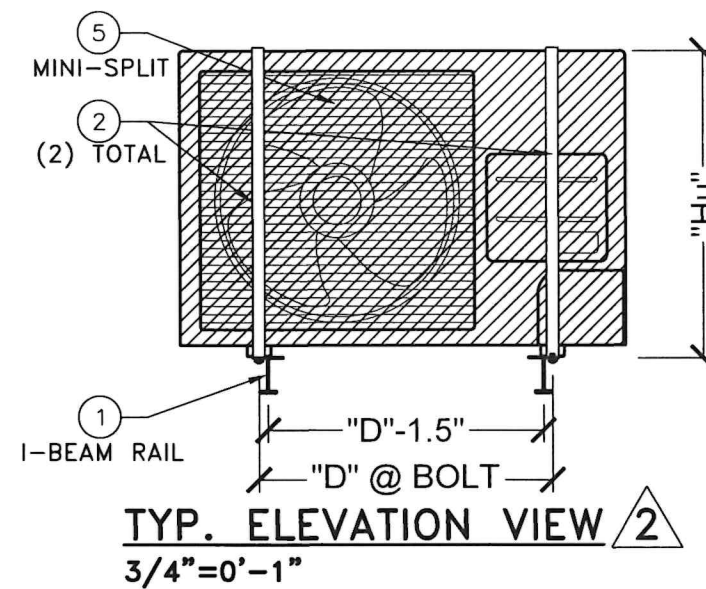
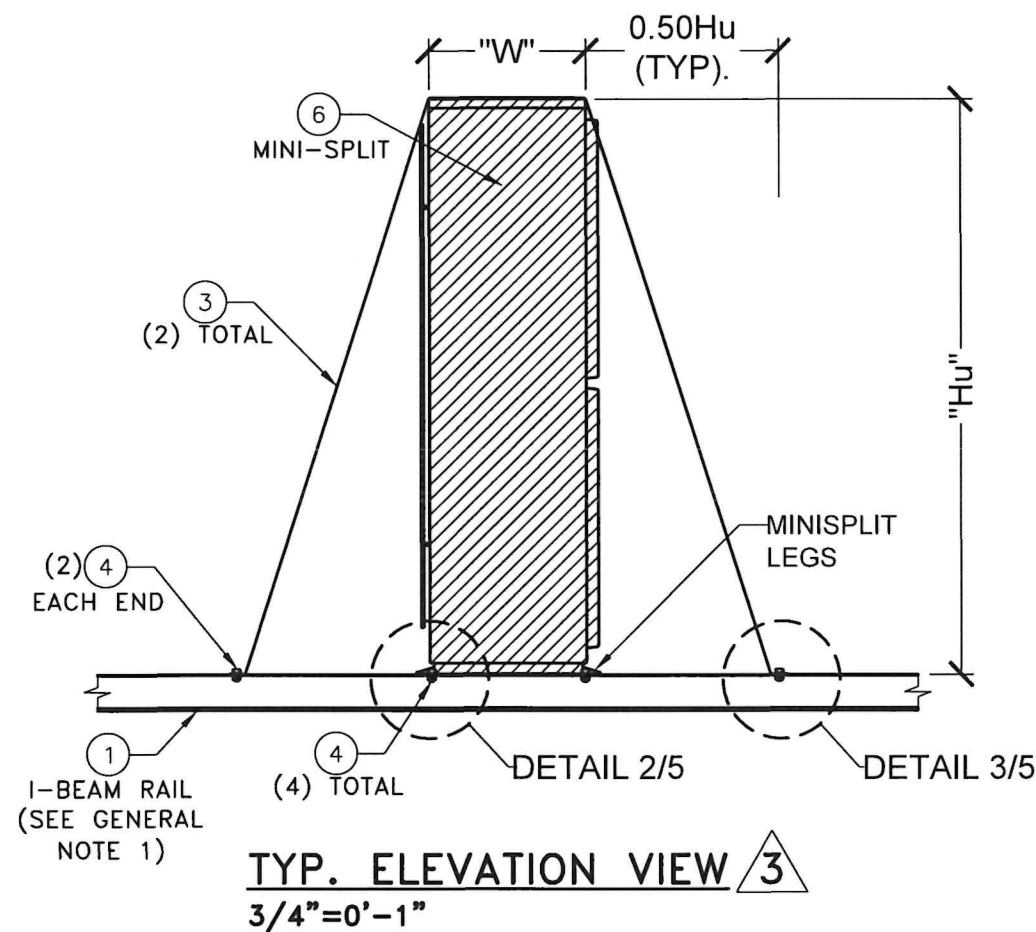
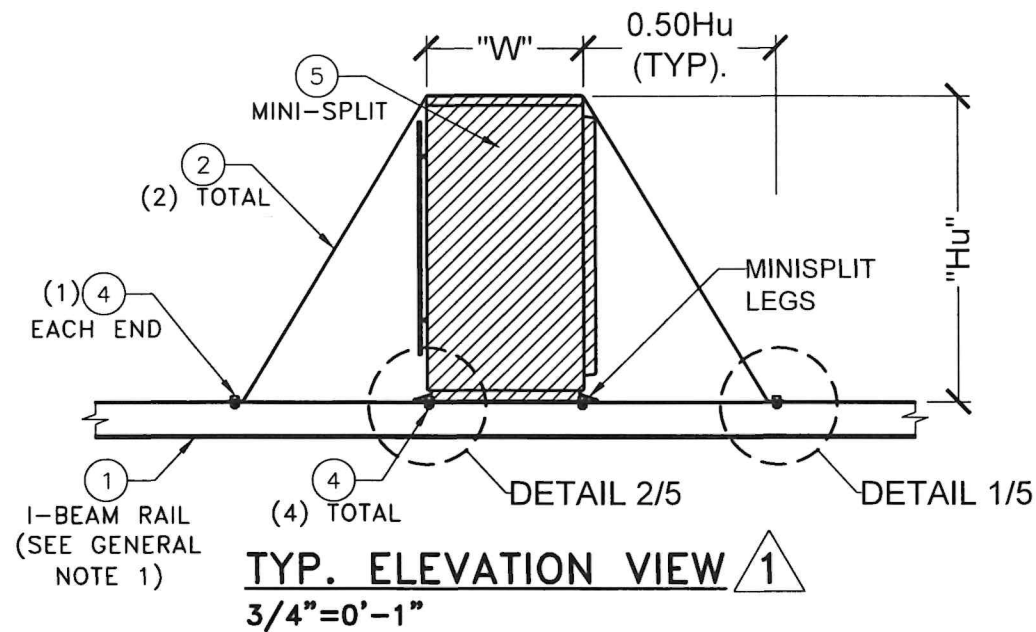
INSTALLATION OF MINI-SPLIT UNITS INTO APPROVED STANDS

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

REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	OLD 24-131	08/6/2026	3	-	-
2	-	-	4	-	-

W.H. DRAWN BY: 08/6/2026 DATE: 26-243 DRAWING No. SHEET 2 of 7





CASE I: MINISPLIT "W" INSTALLED PARALLEL TO STAND RAIL

*NOTE: 2" WIDE STRAP (3) CAN BE ALSO ACHIEVED BY USING (2) 1" OR 1.50" WIDE STRAP (2) NEXT TO EACH OTHER.

D	DISTANCE BETWEEN UNIT BOLT AT LEGS BY MANUFACTURER SPECS
D-1.5"	DISTANCE BETWEEN I-BEAM RAIL AT STAND
Hu	UNIT HEIGHT BY MANUFACTURER SPECS
W	UNIT WIDTH BY MANUFACTURER SPECS

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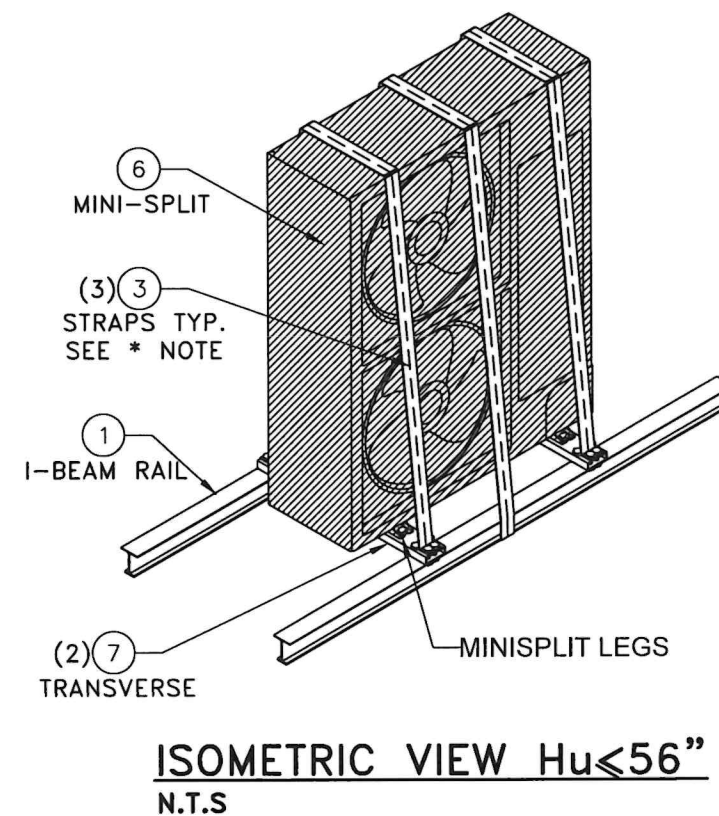
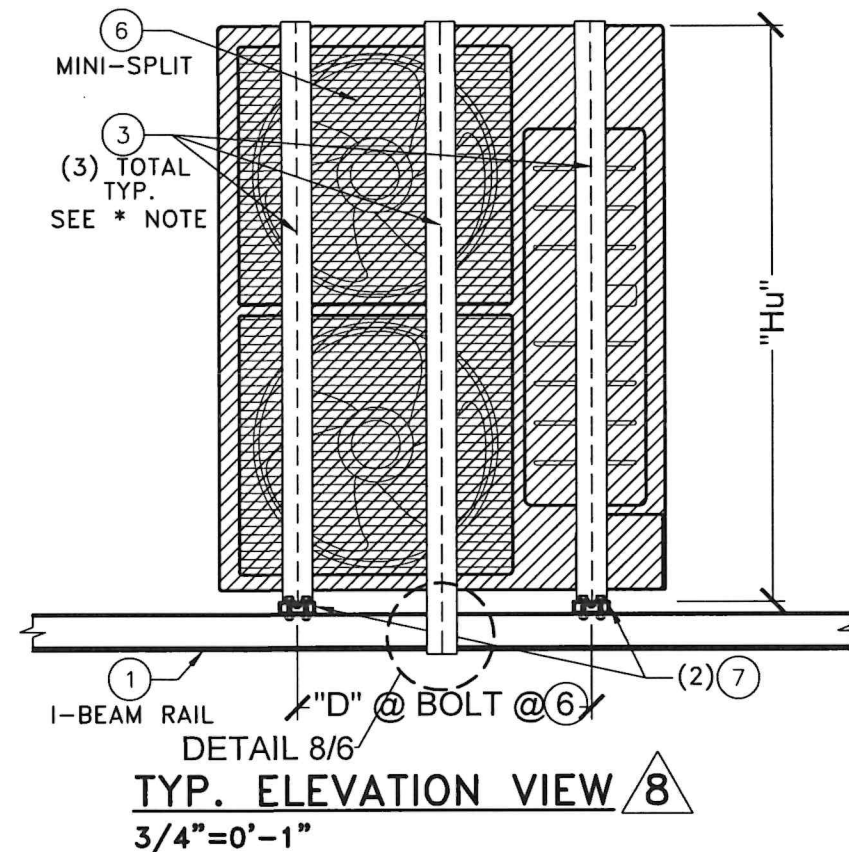
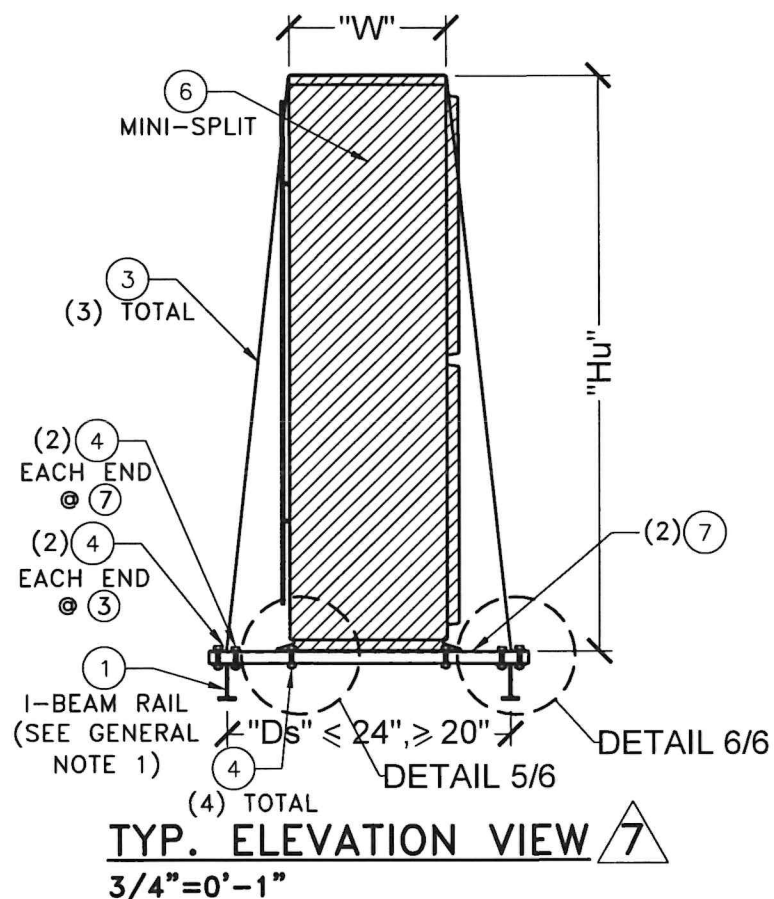
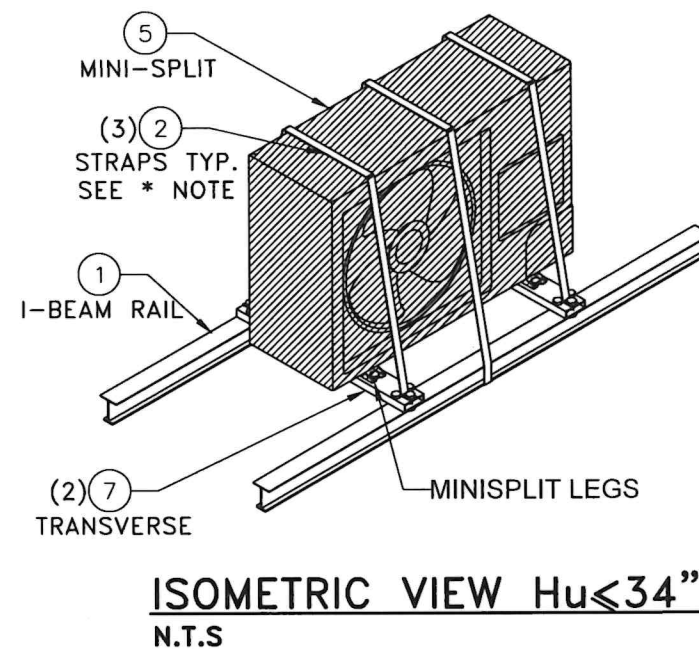
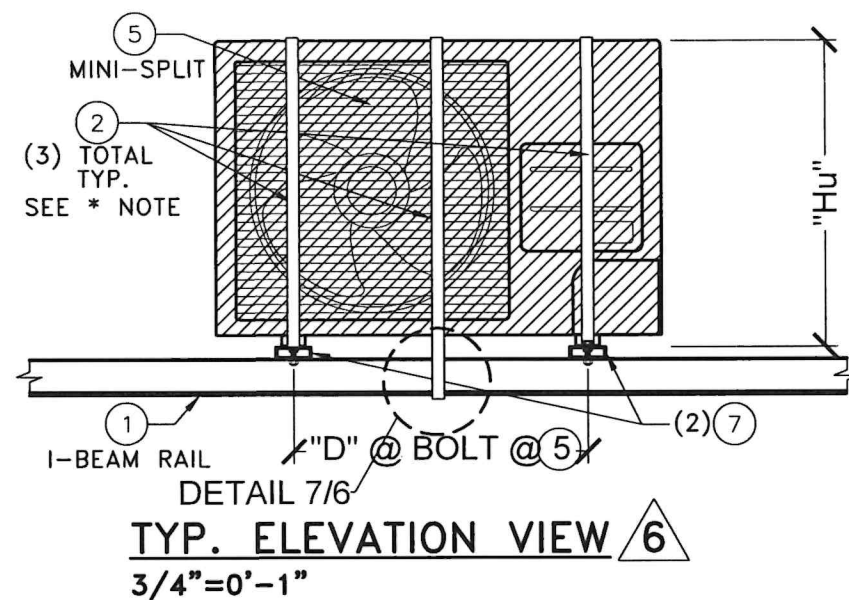
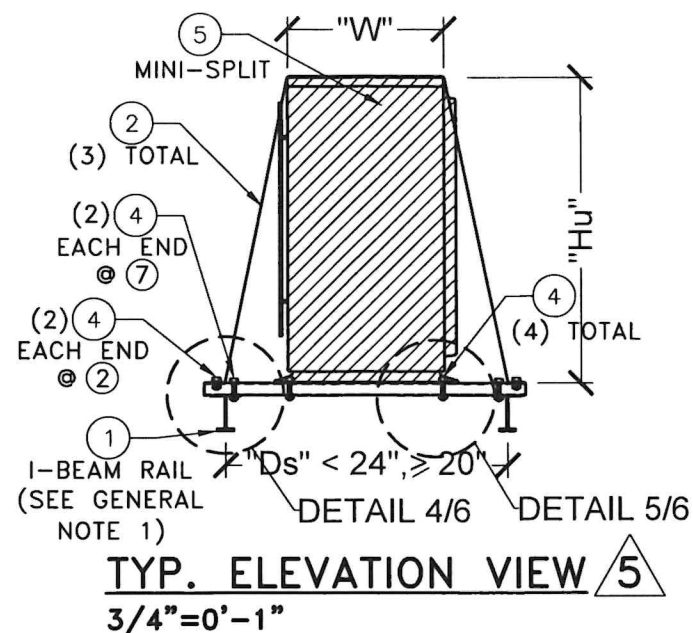
W.H. DRAWN BY: 08/6/2026 DATE: 26-243 DRAWING No. SHEET 3 of 7

REV. NO. DESCRIPTION DATE REV. NO. DATE

1 OLD 24-131 08/6/2026 3 - -

2 - - - -

P.E. SEAL/SIGNATURE/DATE



CASE II: MINISPLIT "W" INSTALLED PERPENDICULAR TO STAND RAIL

D	DISTANCE BETWEEN UNIT BOLT AT LEGS BY MANUFACTURER SPECS
Hu	UNIT HEIGHT BY MANUFACTURER SPECS
W	UNIT WIDTH BY MANUFACTURER SPECS
Ds	STAND DEPTH

*NOTE: 2" WIDE STRAP (3) CAN BE ALSO ACHIEVED BY USING (2) 1" OR 1.50" WIDE STRAP (2) NEXT TO EACH OTHER.

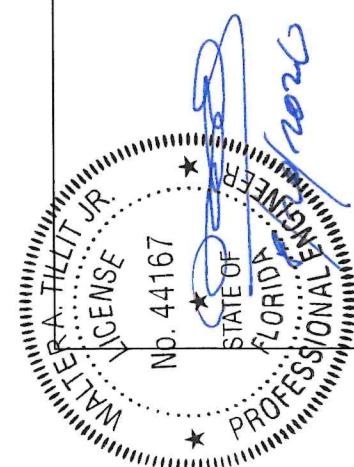
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INSTALLATION OF MINI-SPLIT UNITS INTO APPROVED STANDS		F & L ALUMINUM PARTS, INC. 2087 N. POWERLINE RD. SUITE #1 POMPANO BEACH, FL. 33069		SHEET 4 of 7	
REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
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2	-	-	4	-	-

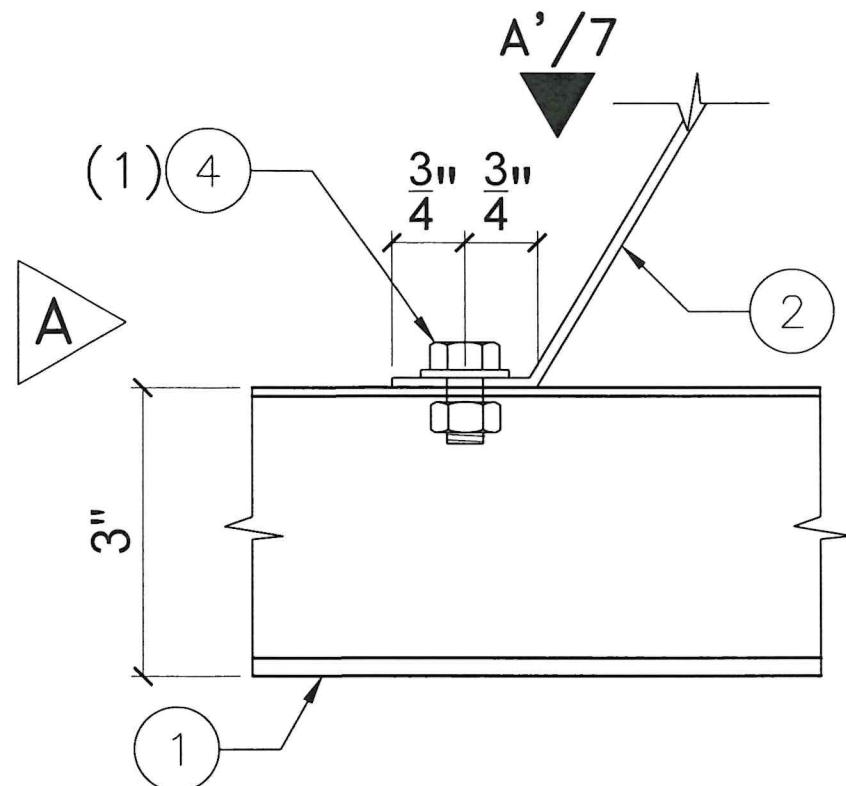
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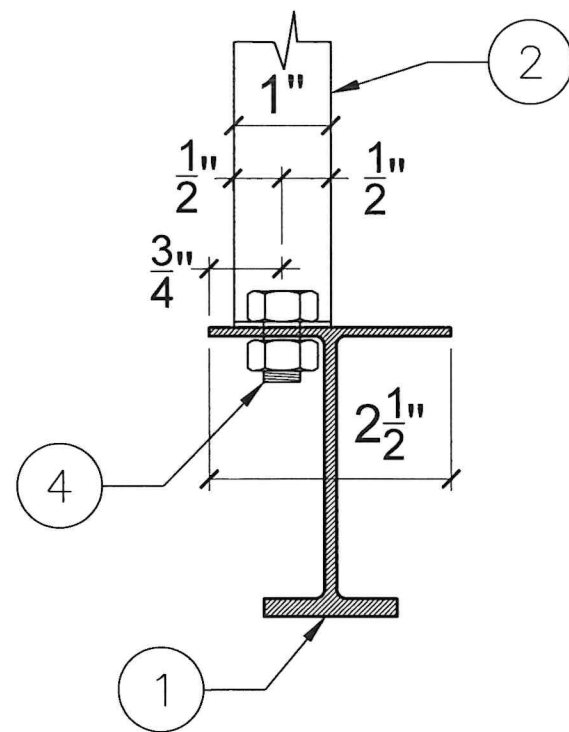
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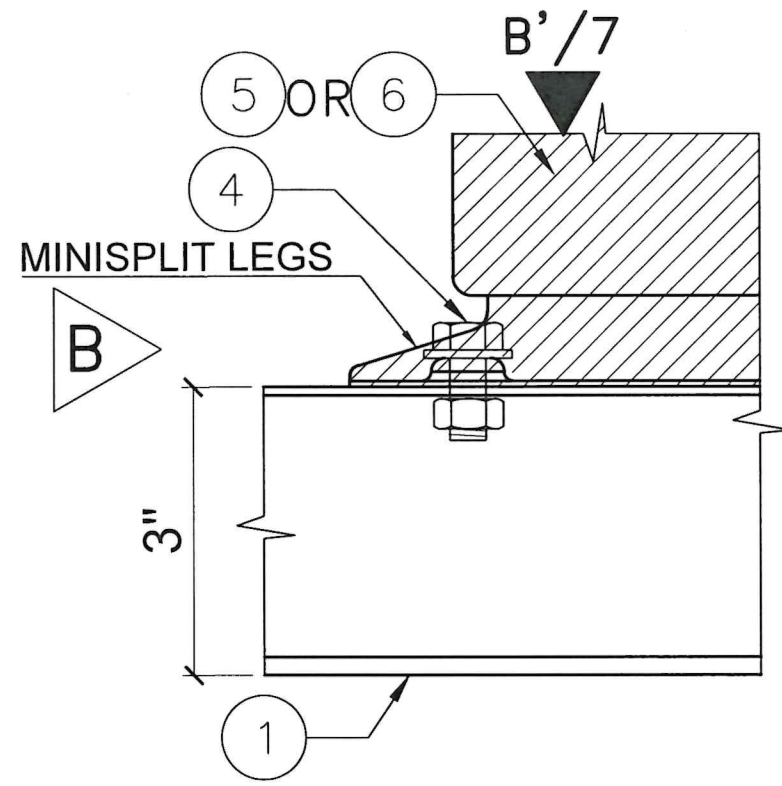
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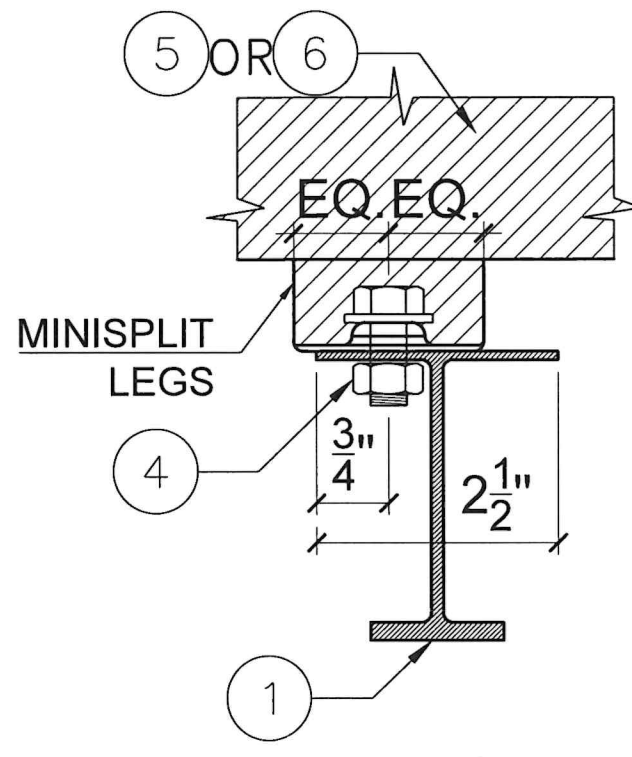
DETAIL 1: CASE 1
 $(H_u \leq 34")$
 $1/2"=0'-1"$



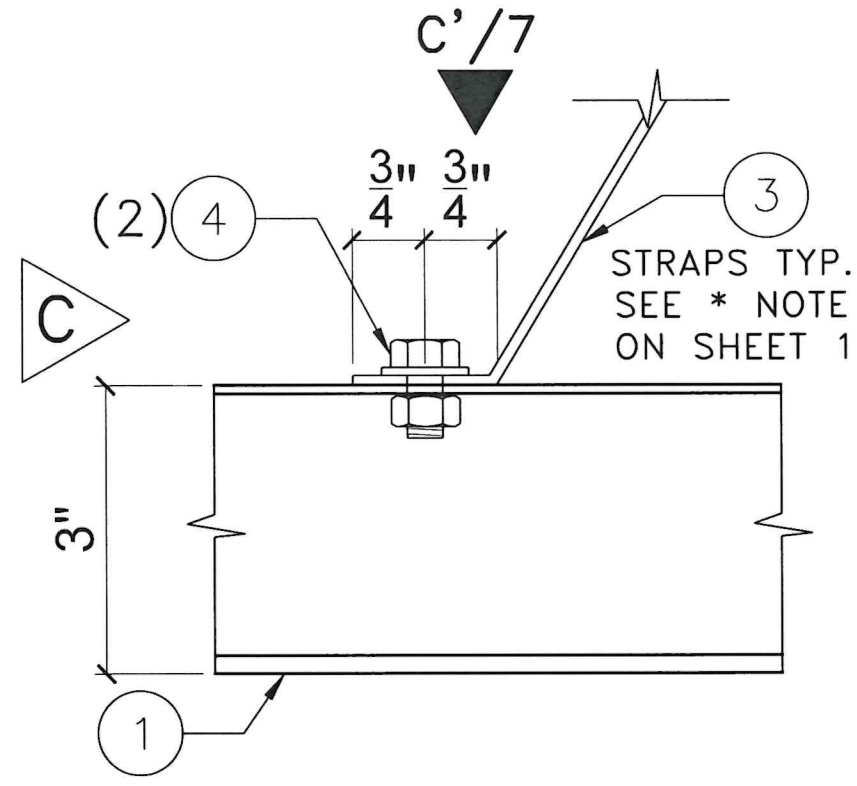
VIEW A



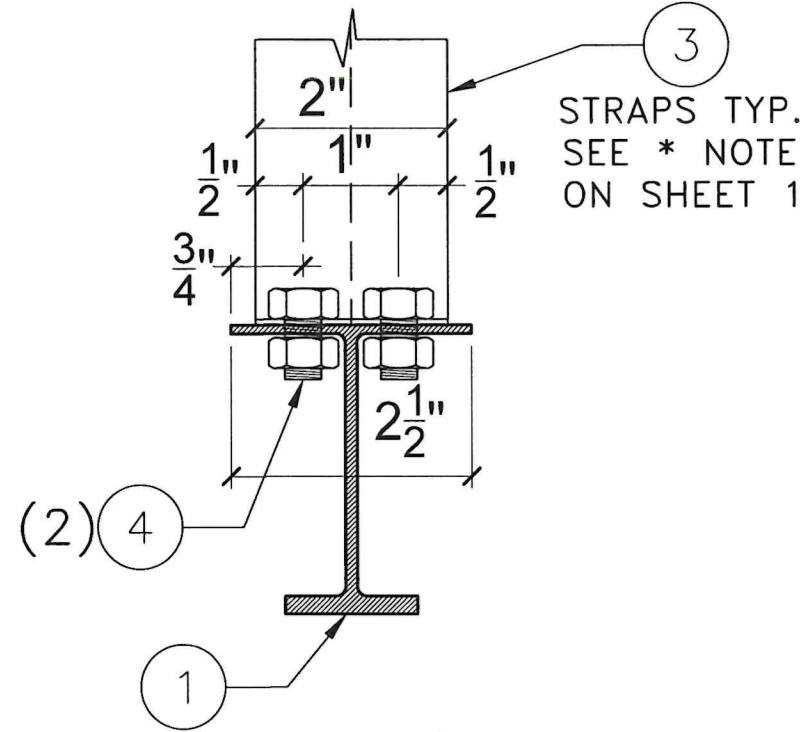
DETAIL 2: CASE 1
 $(H_u \leq 56")$
 $1/2"=0'-1"$



VIEW B



DETAIL 3: CASE 1
 $(H_u \leq 56", H_u > 34")$
 $1/2"=0'-1"$



VIEW C

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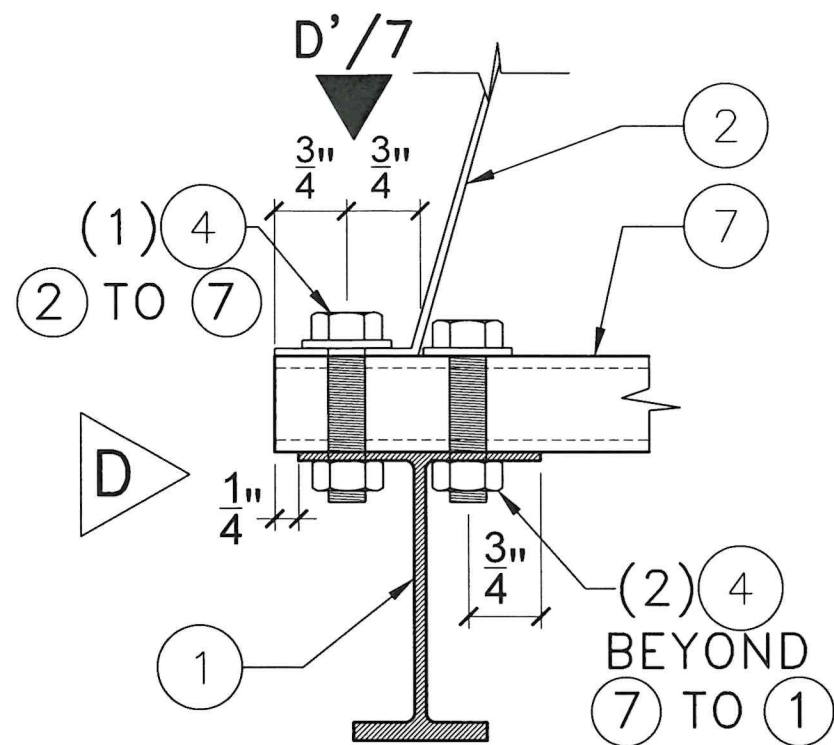
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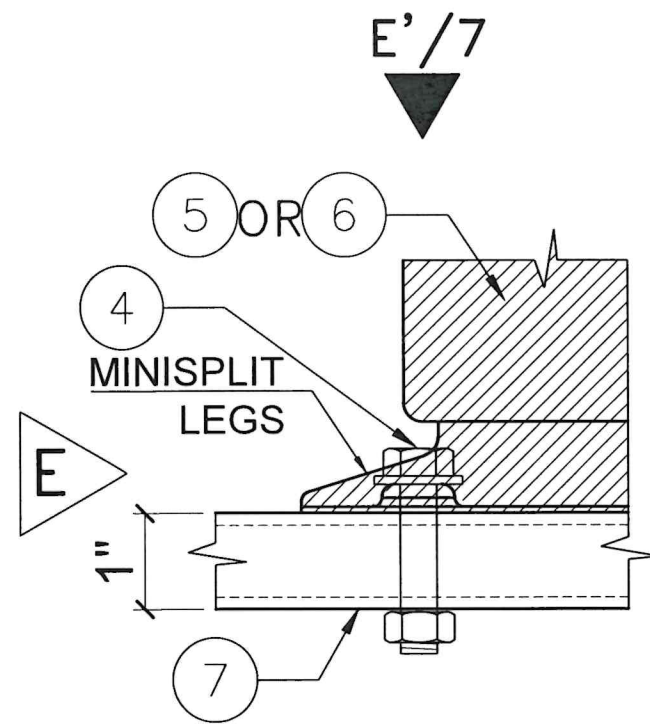
INSTALLATION OF MINI-SPLIT UNITS INTO APPROVED STANDS		W.H. DRAWN BY: 08/6/2026		DATE: 08/6/2026		DRAWING No. 26-243		SHEET 5 of 7	
F & L ALUMINUM PARTS, INC. 2087 N. POWERLINE RD. SUITE #1 POMPANO BEACH, FL 33069		REV. NO.		DATE		DESCRIPTION		DATE	
1		08/6/2026		3		-		-	
2		-		4		-		-	

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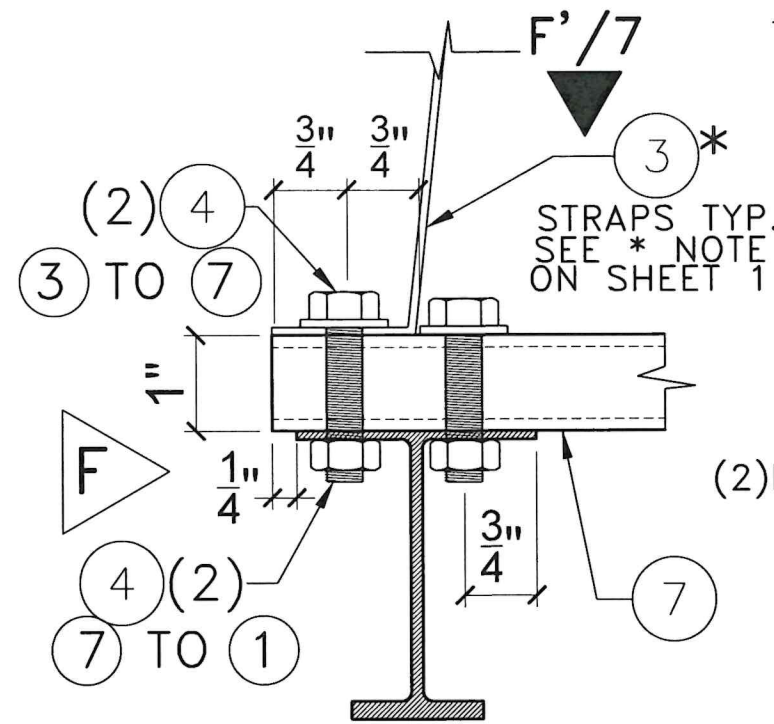
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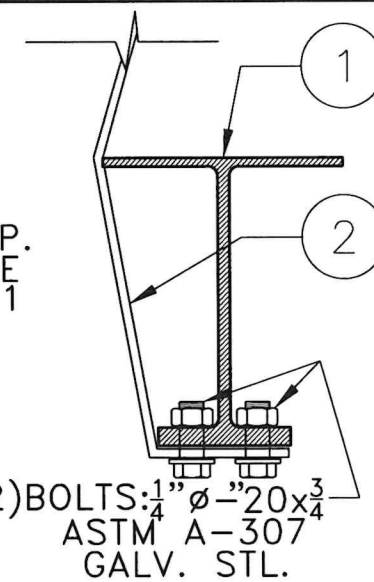
DETAIL 4: CASE II
 $(H_u \leq 34'')$
 1/2"=0'-1"



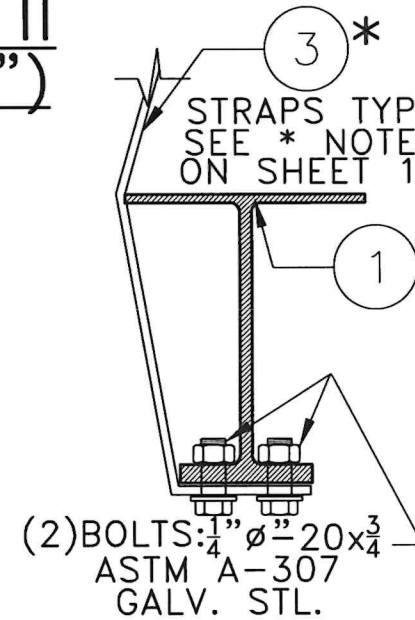
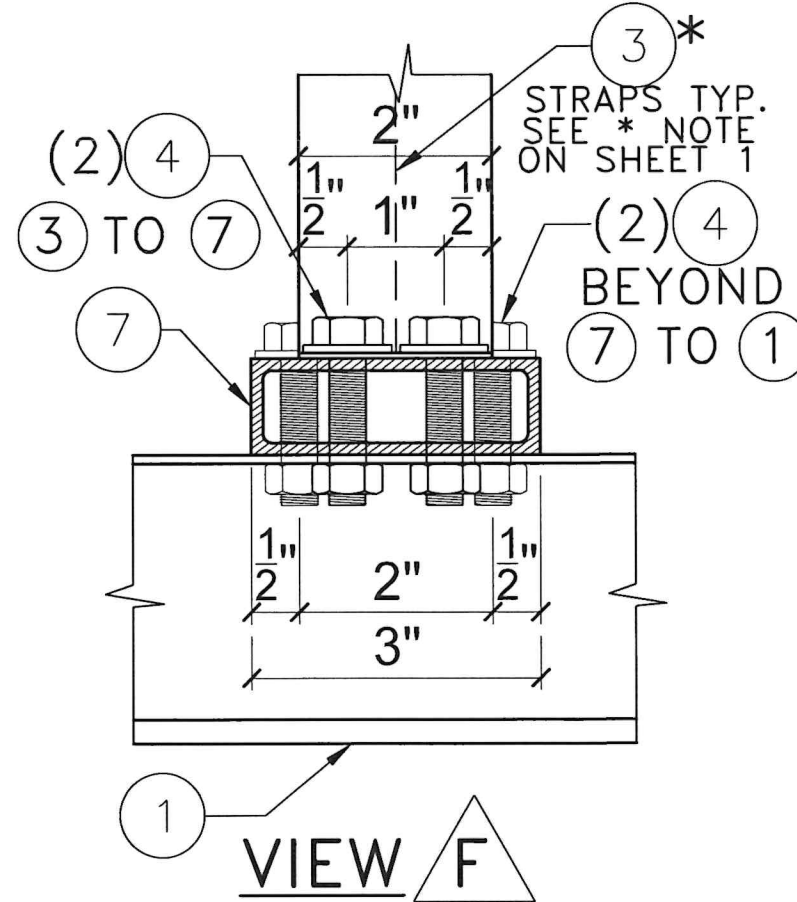
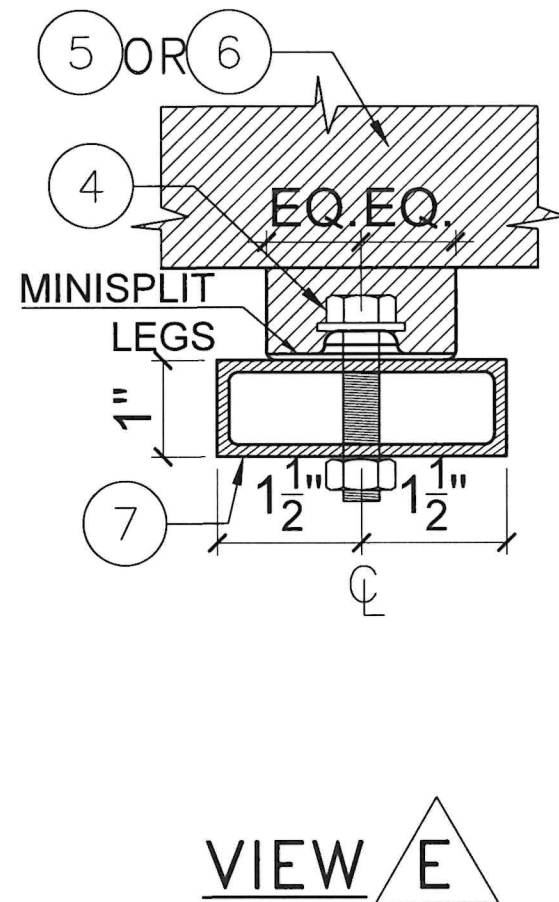
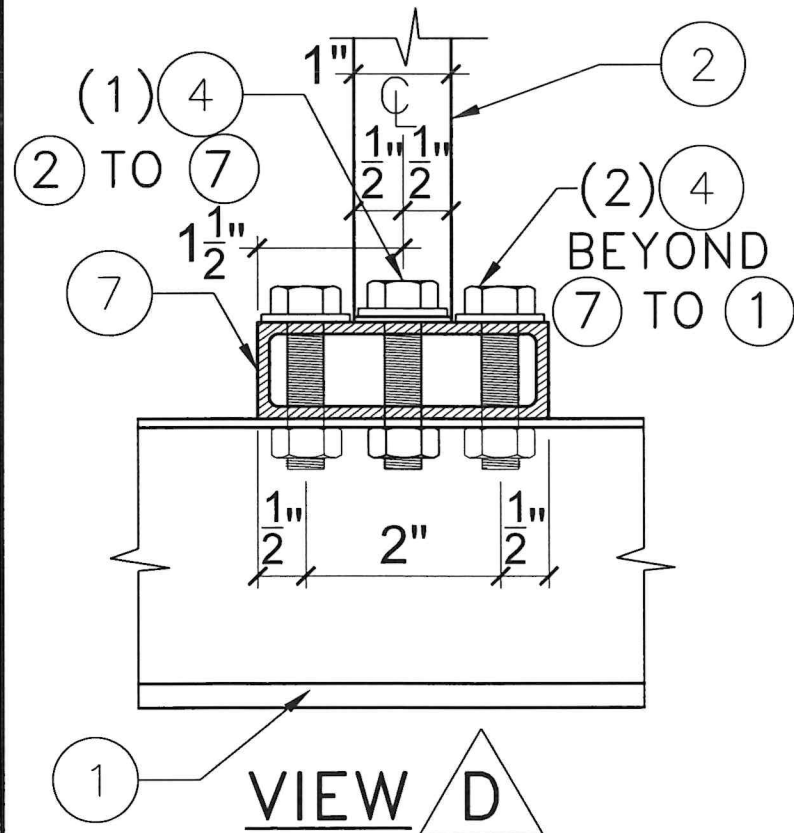
DETAIL 5: CASE II
 $(H_u \leq 56'')$
 1/2"=0'-1"



DETAIL 6: CASE II
 $(H_u \leq 56'', H_u > 34'')$
 1/2"=0'-1"



DETAIL 7: CASE II
 1/2"=0'-1"



DETAIL 8: CASE II
 1/2"=0'-1"

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

W.H. DRAWN BY: 08/6/2026 DATE: 26-243 DRAWING No. SHEET 6 of 7

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

REV. NO. DESCRIPTION DATE REV. NO. DATE

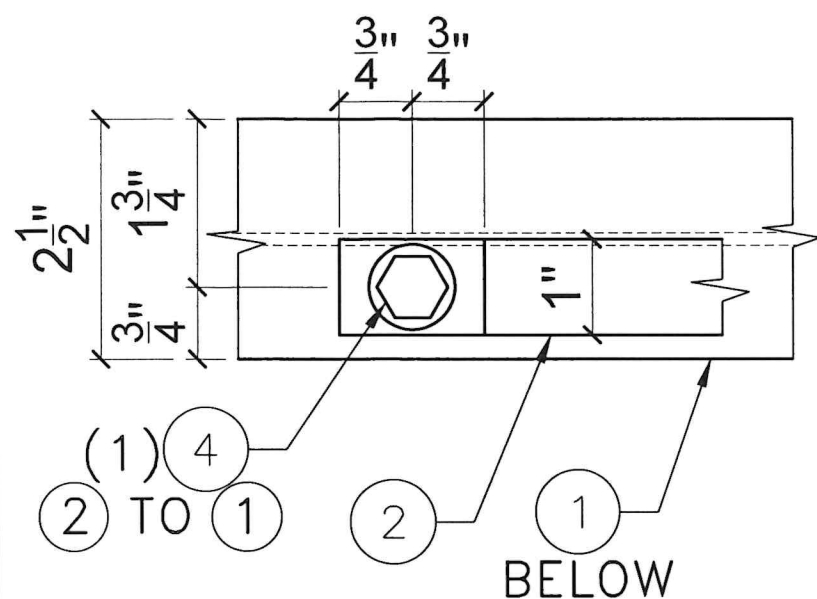
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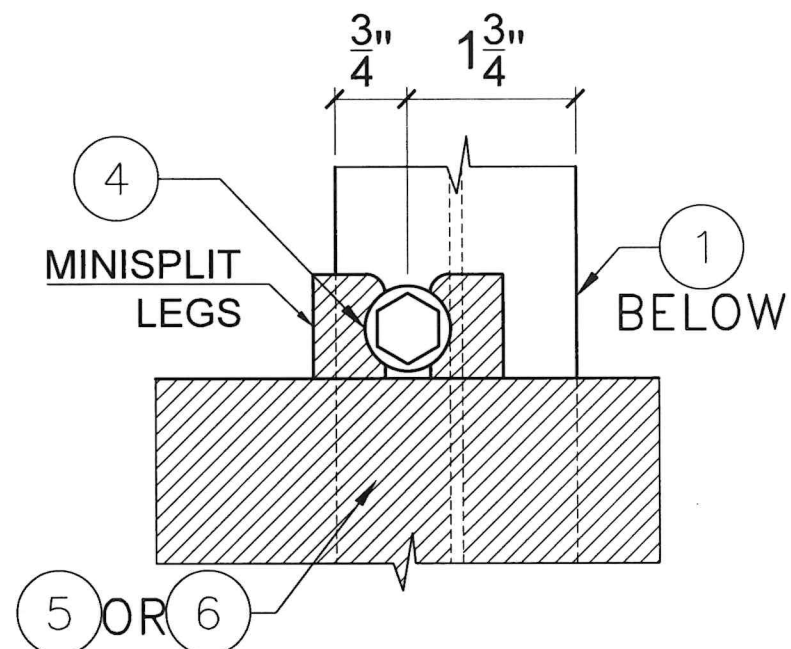
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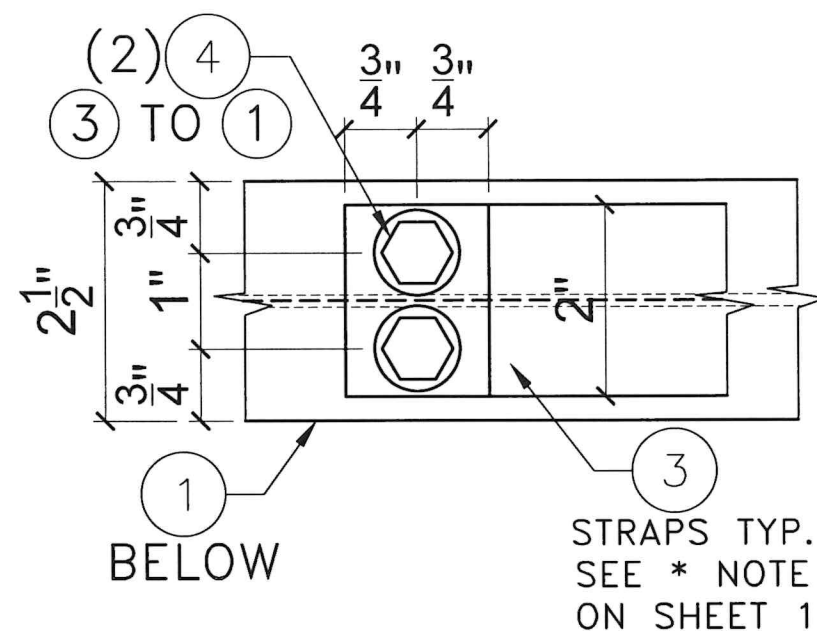
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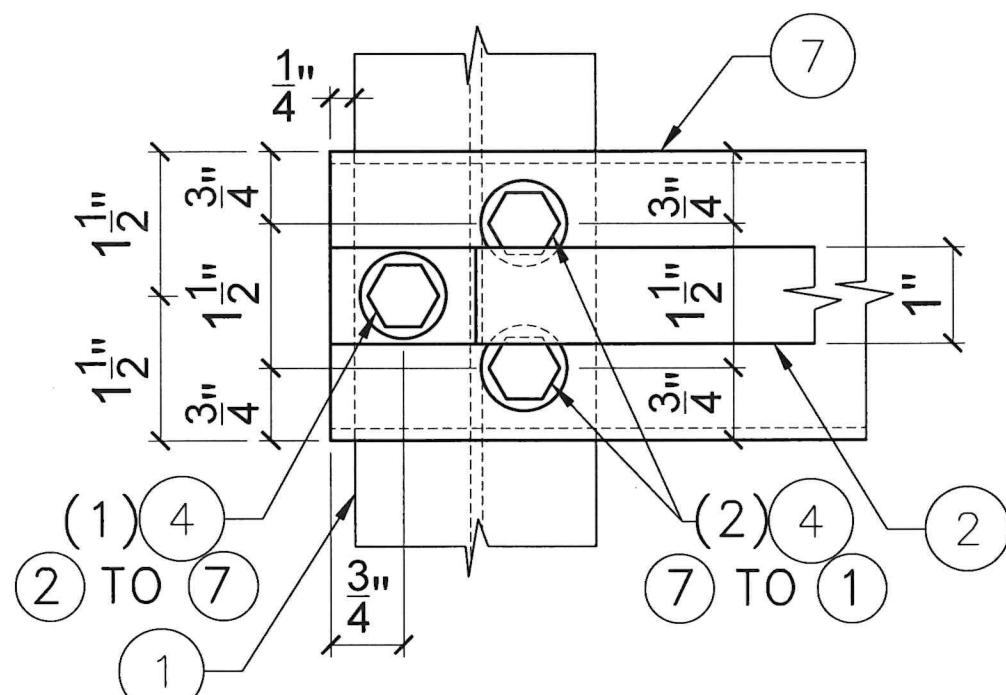
DETAIL 1: VIEW $\triangle A'$ (PLAN)
CASE I ($H_u < 34''$)



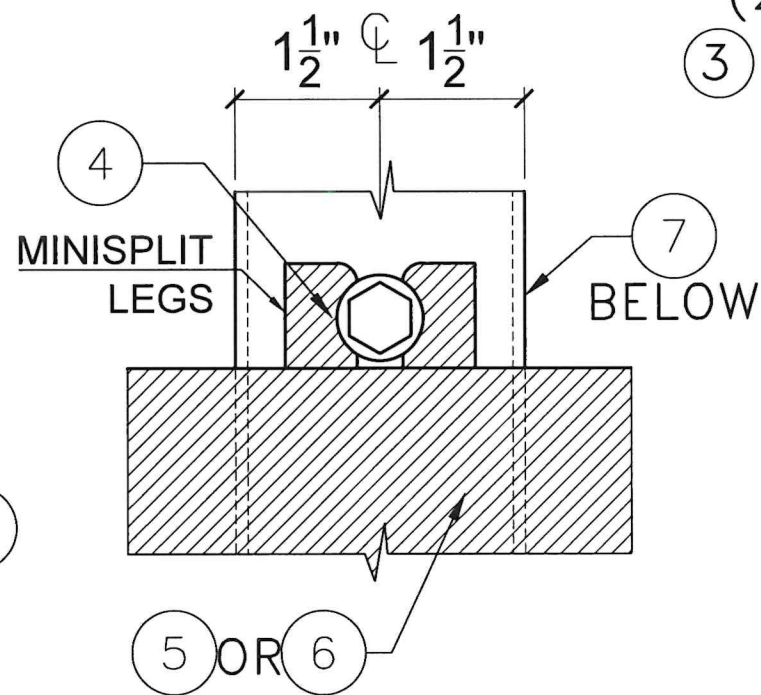
DETAIL 2: VIEW $\triangle B'$ (PLAN)
CASE I ($H_u < 56''$)



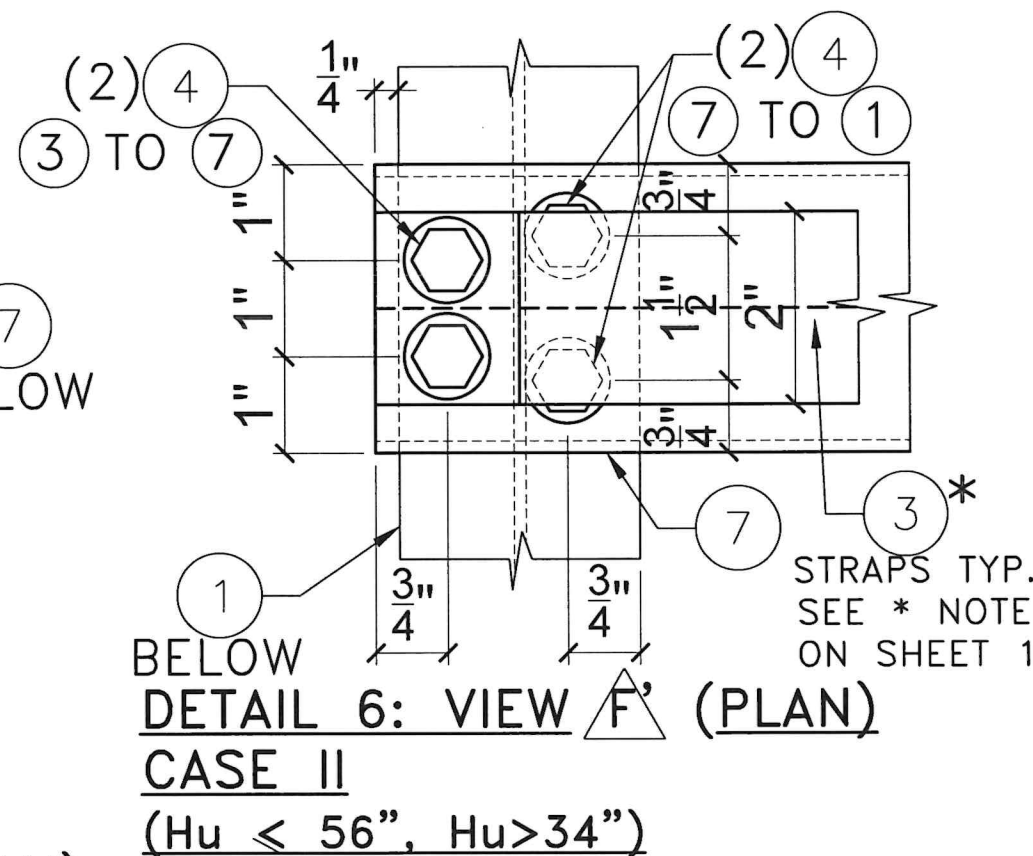
DETAIL 3: VIEW $\triangle C'$ (PLAN)
CASE I ($H_u < 56''$, $H_u > 34''$)



BELOW
DETAIL 4: VIEW $\triangle D'$ (PLAN)
CASE II ($H_u < 34''$)



DETAIL 5: VIEW $\triangle E'$ (PLAN)
CASE II ($H_u < 56''$)



BELOW
DETAIL 6: VIEW $\triangle F'$ (PLAN)
CASE II
($H_u < 56''$, $H_u > 34''$)

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WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

INSTALLATION OF MINI-SPLIT UNITS
INTO APPROVED STANDS

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

REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
1	OLD 24-131	08/6/2026	3	-	-
2	-	-	4	-	-

W.H. DRAWN BY: 08/6/2026 DATE: 26-243 DRAWING No. SHEET 7 of 7

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER P.E. SEAL/SIGNATURE/DATE