

**TYPICAL ELEVATION**

INSTALLATIONS AT WOOD OR MASONRY/CONC STRUCTURES USING 2X2 WOOD FURRING

**RAINSCREEN CLADDING SYSTEM**

FIBER CEMENT PANELS ANCHORED TO SHEAR WALLS AS EXTERIOR CLADDING.

APPROVAL APPLIES TO SINGLE UNITS OR MULTIPLE UNITS INSTALLATIONS

**MAX. DESIGN LOADS:**

- Cembrit Patina Rough = ± 70.0 PSF
- Cembrit Patina Inline = ± 70.0 PSF
- Cembrit Transparent = ± 70.0 PSF
- Cembrit Cover = ± 66.8 PSF
- Cembrit Patina Original = ± 64.6 PSF
- Cembrit Solid = ± 63.6 PSF

MIN. PANEL THICKNESS = 5/16 IN.  
 MAX. PANEL SIZE= 48" HIGH X 120" WIDE

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

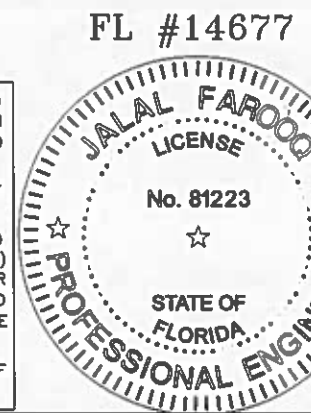
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2020 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

- A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
- B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- C- 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. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



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**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)  
 MIAMI, FLORIDA 33173  
 TEL. (305) 264-8100 FAX. (305) 262-8978

FIBER CEMENT RAINSCREEN CLADDING SYSTEM  
**American Fiber Cement Corporation**  
 6901 South Pierce Street, Suite 180  
 Littleton, CO. 80128  
 Tel. (303) 978-1199 Fax. (303) 978-0308

revisions:	no	date	by	description
	A	05.04.21		GENERAL REVISION

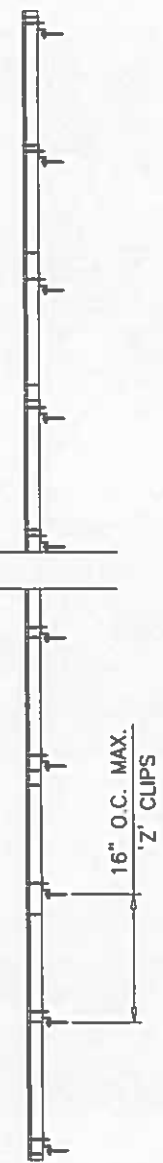
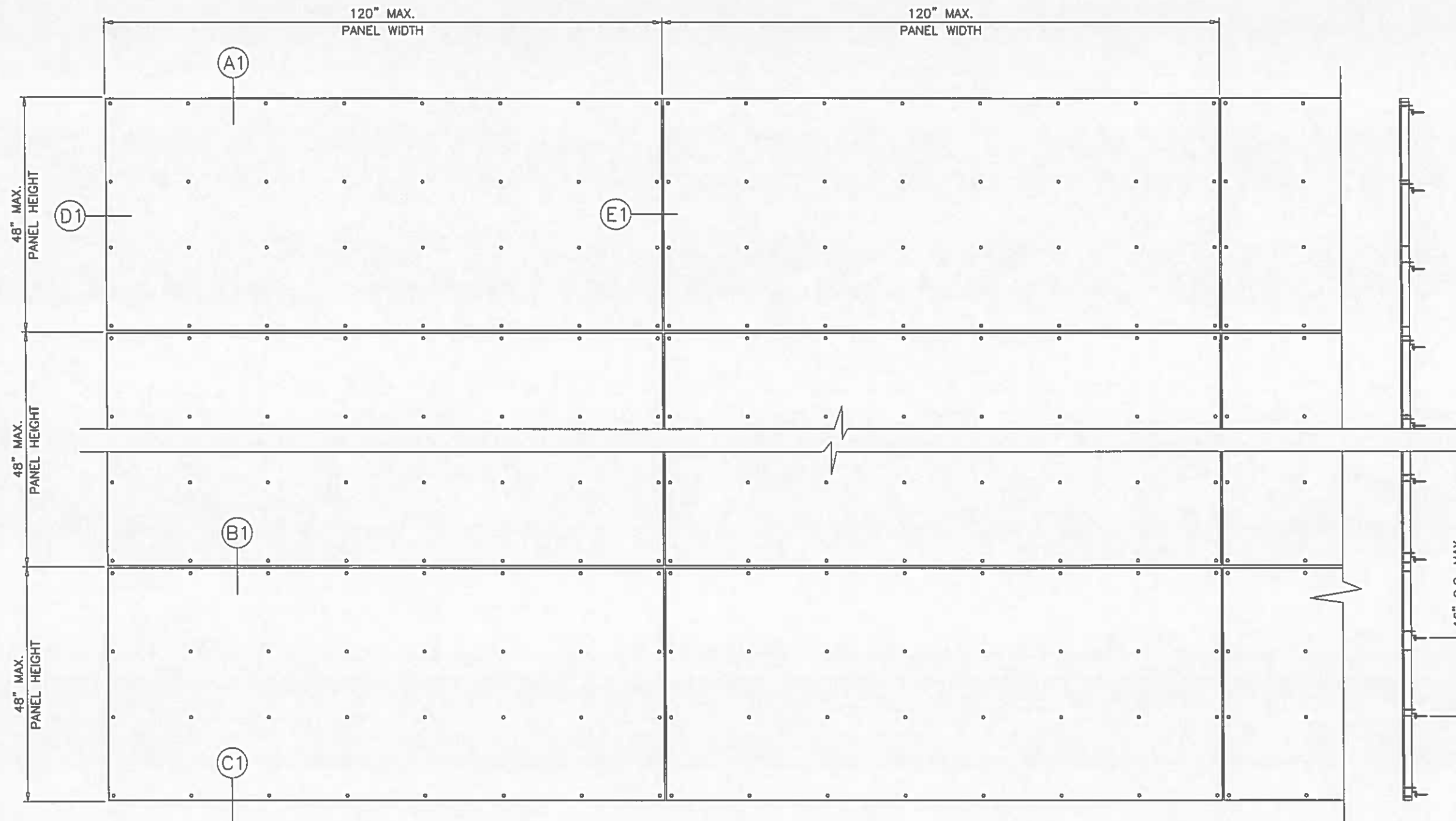
  

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chk. by:	

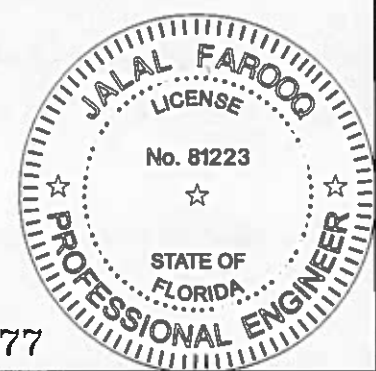
  

drawing no.	11-02
sheet	1 of 13

STORE\11-02-AFC



**TYPICAL ELEVATION**  
 INSTALLATION AT STEEL STUD FRAMING SYSTEM  
 USING 2X2 WOOD FURRING & 'Z' CLIPS



FL #14677

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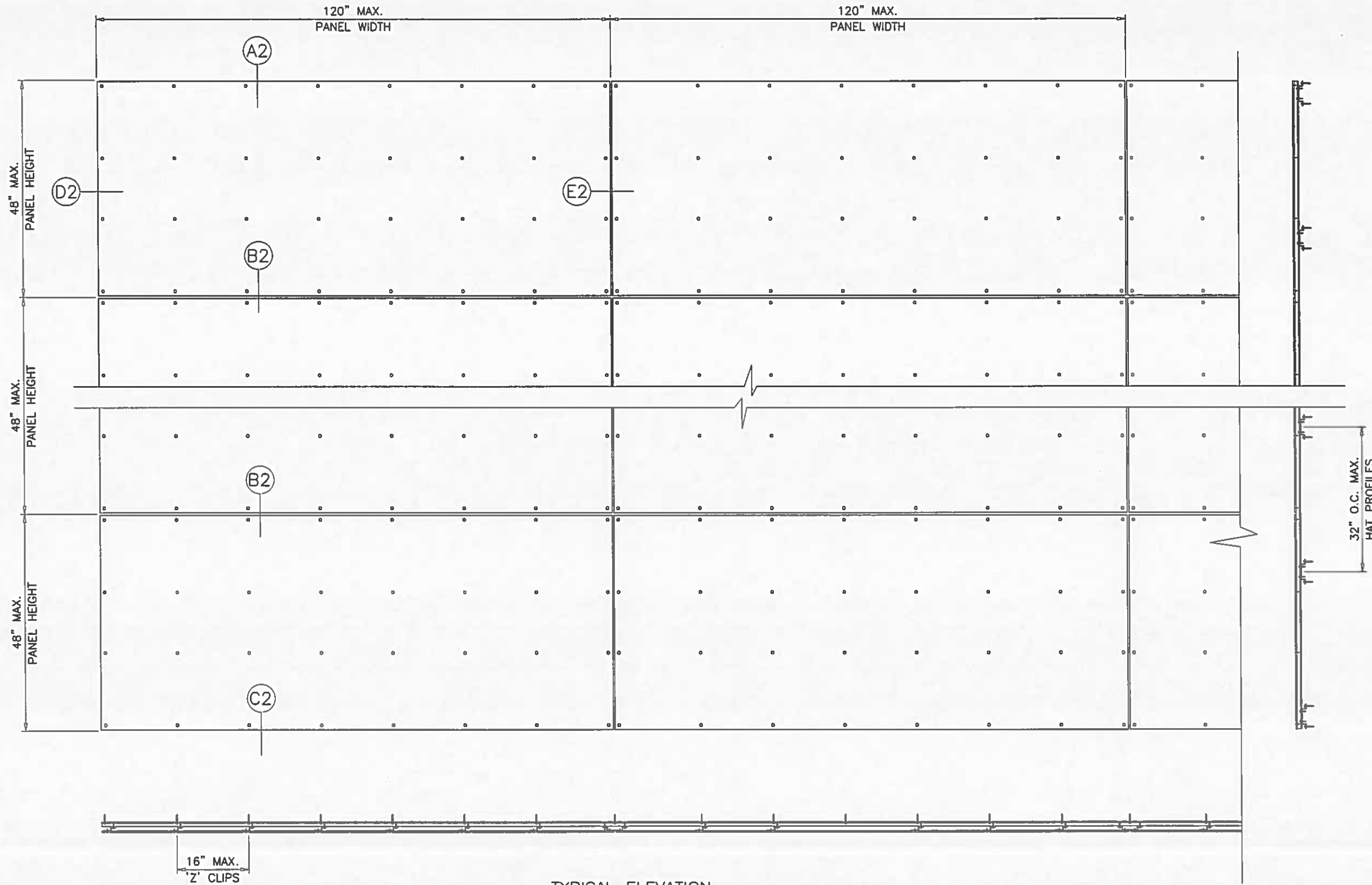
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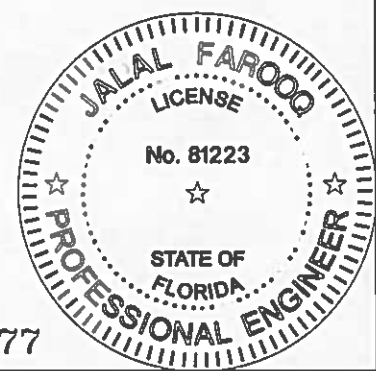
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**11-02**  
 sheet 2 of 13

STORE\11-02-AFC



16" MAX.  
"Z" CLIPS

TYPICAL ELEVATION  
INSTALLATION AT WOOD OR MASONRY/CONC STRUCTURES  
USING 'Z' AND 'HAT' CLIPS



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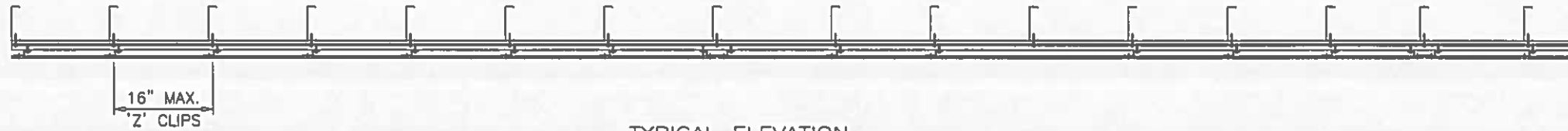
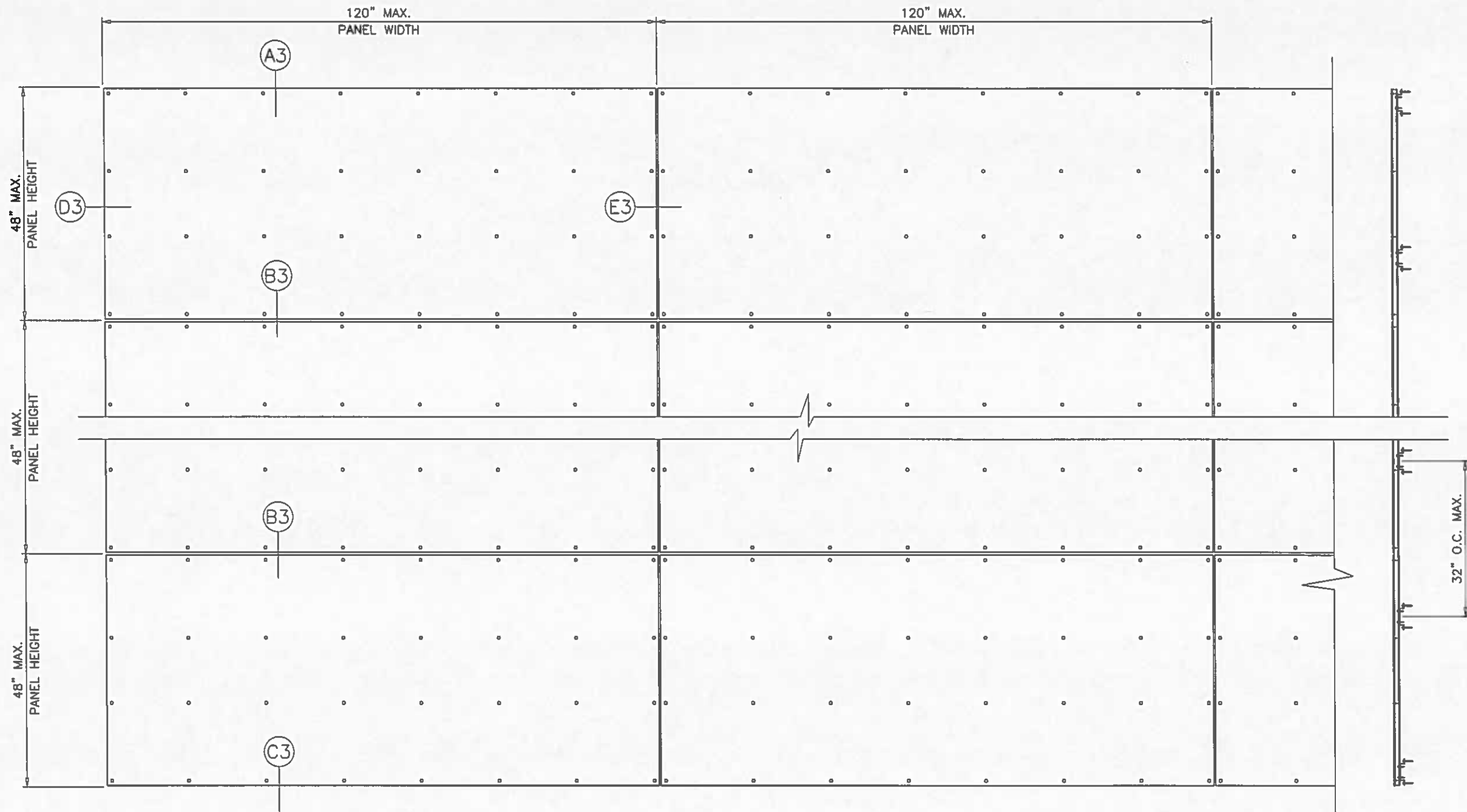
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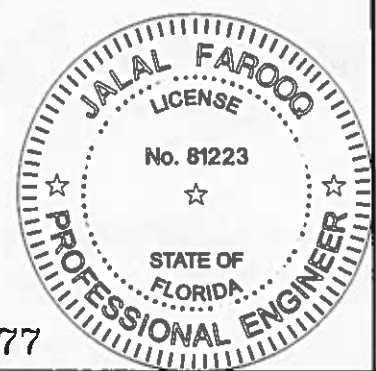
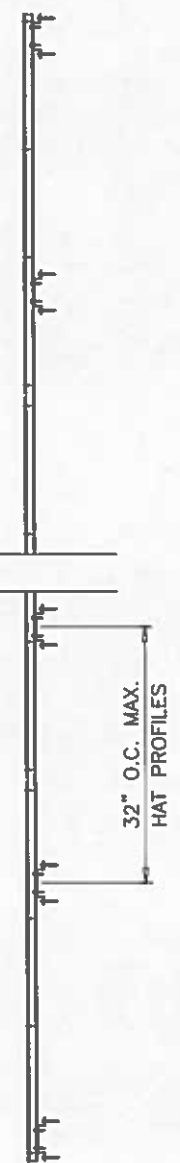
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 sheet 3 of 13

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TYPICAL ELEVATION  
 INSTALLATION AT STEEL STUD FRAMING SYSTEM  
 USING 'Z' AND 'HAT' CLIPS



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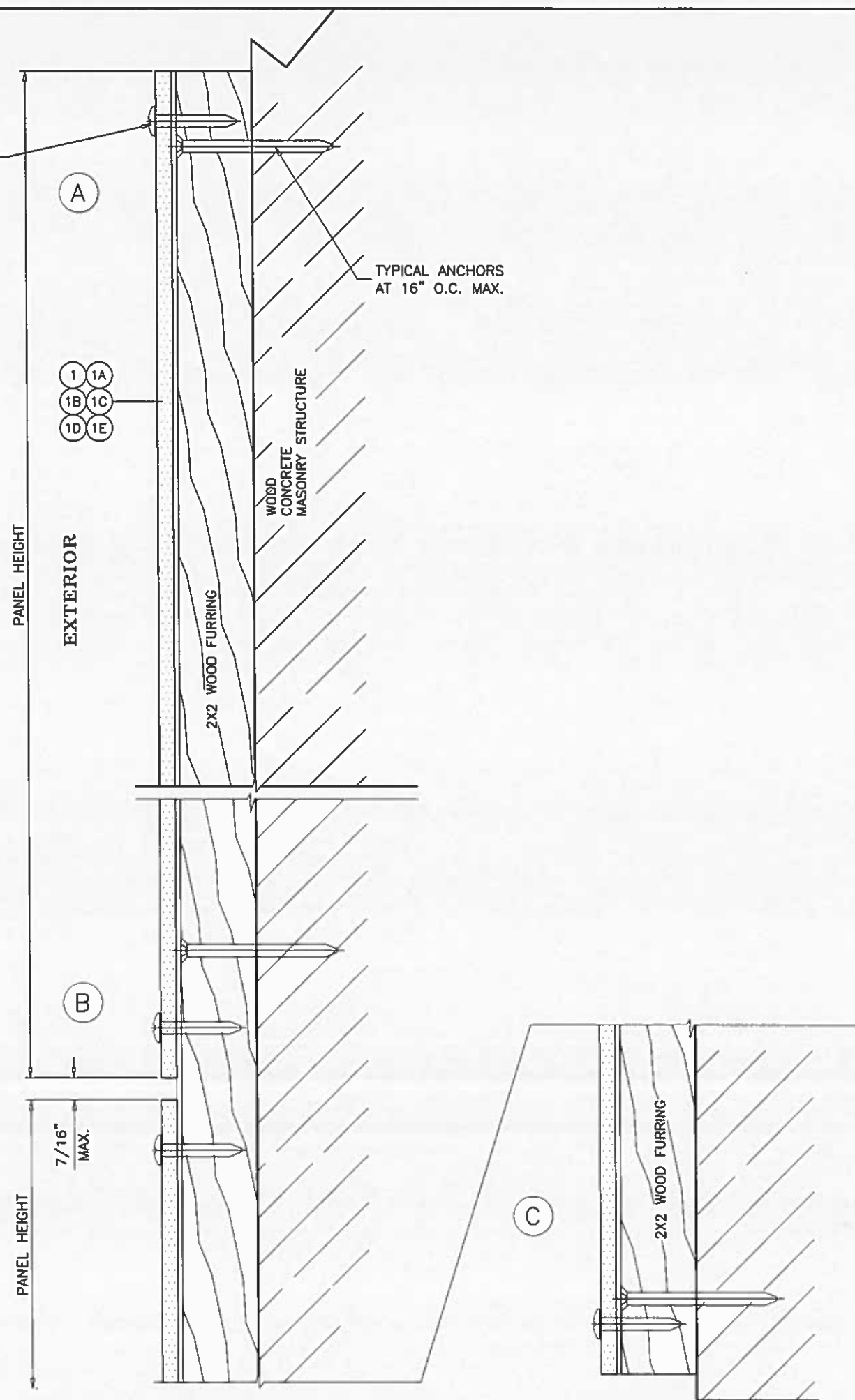
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 dr. by: TARIO  
 chk. by:

drawing no.  
**11-02**  
 sheet 4 of 13

#12 SMS  
AT 1" FROM ENDS  
AND 16" O.C. MAX.



TYPICAL ANCHORS  
AT 16" O.C. MAX.

PANEL HEIGHT  
EXTERIOR

1 1A  
1B 1C  
1D 1E

2X2 WOOD FURRING

WOOD  
CONCRETE  
MASONRY STRUCTURE

7/16"  
MAX.

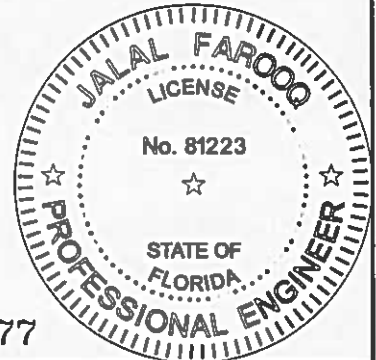
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2X2 WOOD FURRING

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING  
**1/4" DIA. ULTRACON+ BY 'DEWALT'** (Fu=164 KSI, Fy=148 KSI)  
 INTO WOOD STRUCTURES  
 1-3/8" MIN. PENETRATION INTO WOOD  
 DIRECTLY INTO CONCRETE OR BLOCKS  
 1-1/4" MIN. EMBED INTO CONCRETE OR BLOCKS

**CRITICAL EDGE DISTANCE**  
 INTO CONCRETE AND BLOCKS = 2-1/2" MIN.  
 INTO WOOD STRUCTURE = 1" MIN.

WOOD SG = 0.55 MIN.  
 CONCRETE f'c = 3000 PSI MIN.  
 C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.



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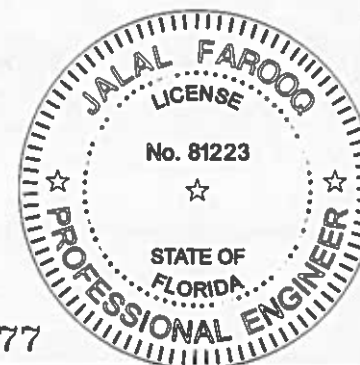
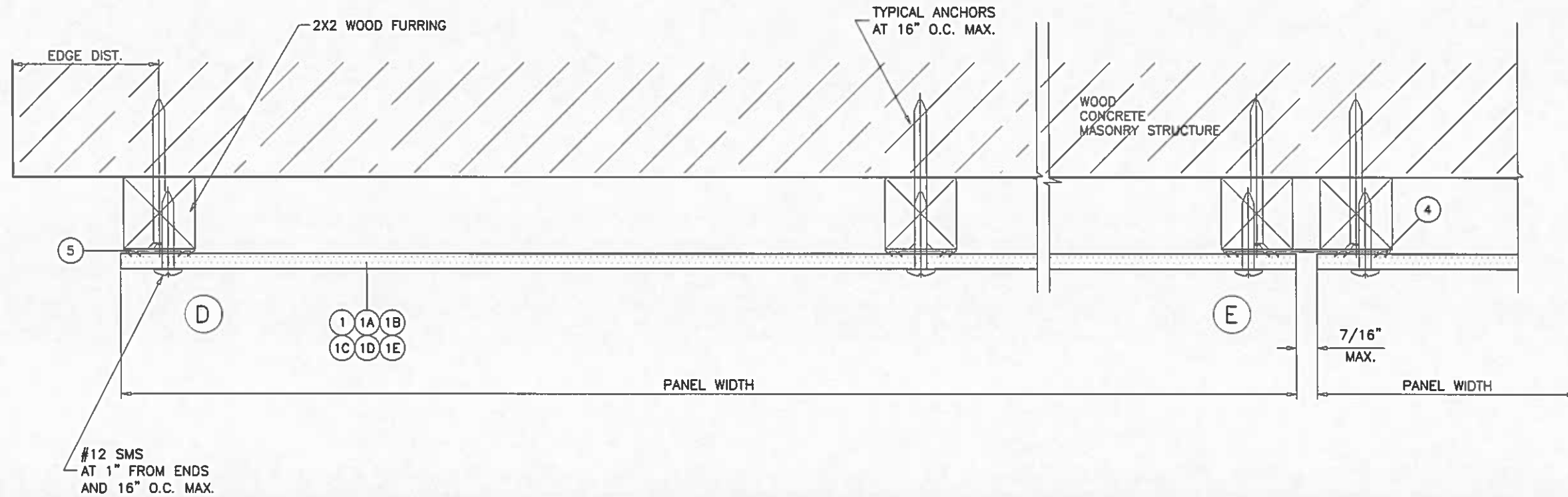
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revisions:	
no	date by description

date: 04-28-11	scale: 3/8" = 1"
dr. by: TARIQ	chk. by:
drawing no. 11-02	
sheet 5 of 13	

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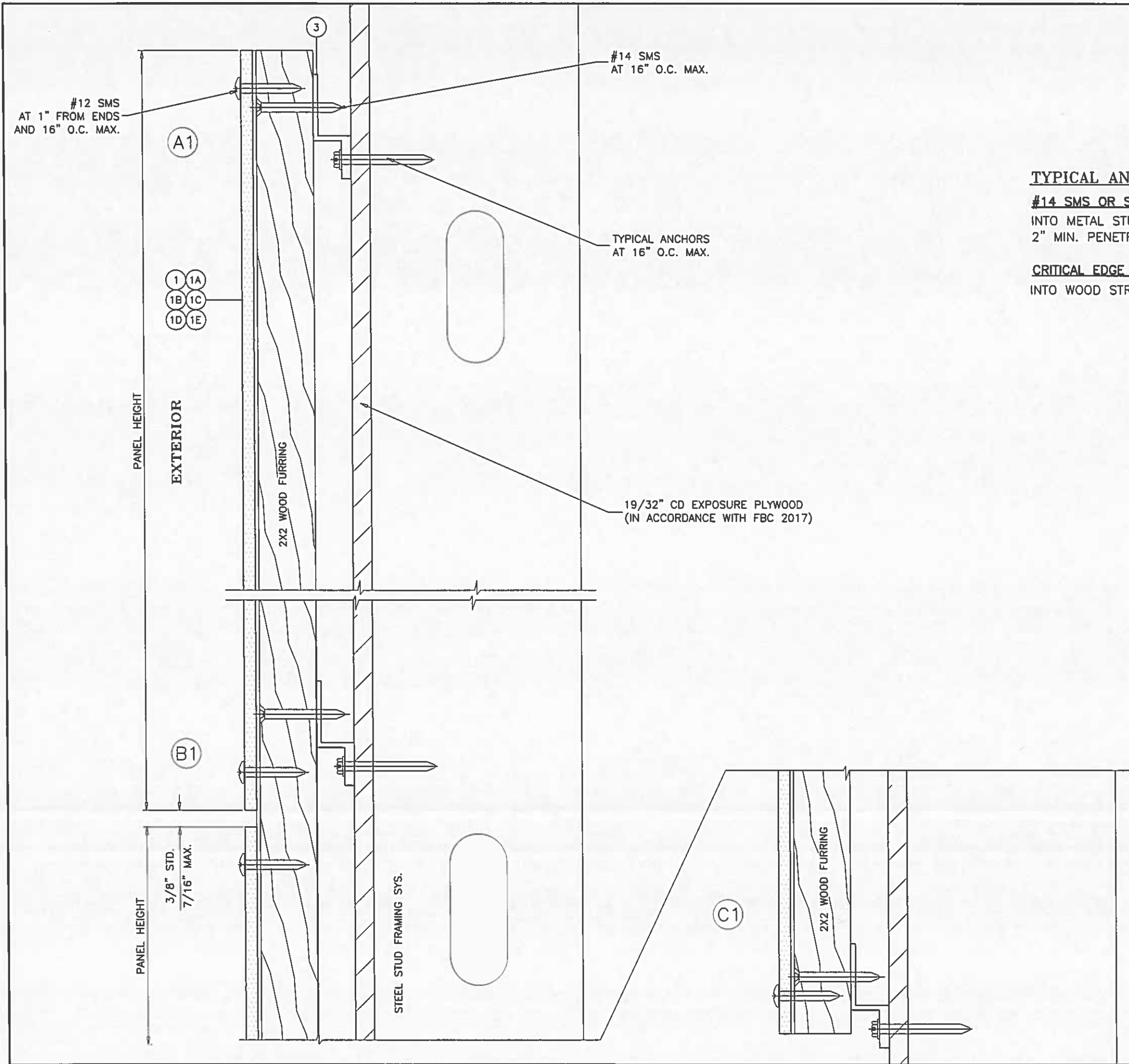
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**11-02**  
 sheet 6 of 13

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#12 SMS  
AT 1" FROM ENDS  
AND 16" O.C. MAX.

A1

1 1A  
1B 1C  
1D 1E

PANEL HEIGHT

EXTERIOR

2X2 WOOD FURRING

B1

3/8" STD.  
7/16" MAX.

PANEL HEIGHT

STEEL STUD FRAMING SYS.

#14 SMS  
AT 16" O.C. MAX.

TYPICAL ANCHORS  
AT 16" O.C. MAX.

19/32" CD EXPOSURE PLYWOOD  
(IN ACCORDANCE WITH FBC 2017)

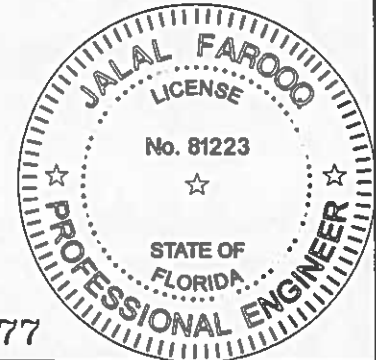
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2X2 WOOD FURRING

**TYPICAL ANCHORS:**

#14 SMS OR SELF-DRILLING SCREWS (GRADE 2 CRS)  
INTO METAL STUDS WITH WOOD BACKING  
2" MIN. PENETRATION INTO WOOD BACKING

**CRITICAL EDGE DISTANCE**  
INTO WOOD STRUCTURE = 1" MIN.



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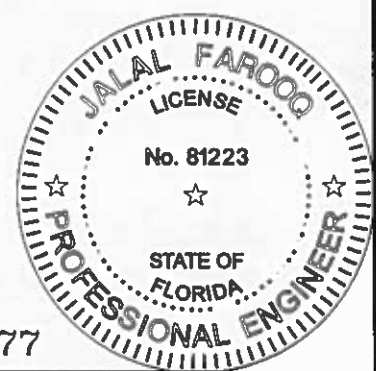
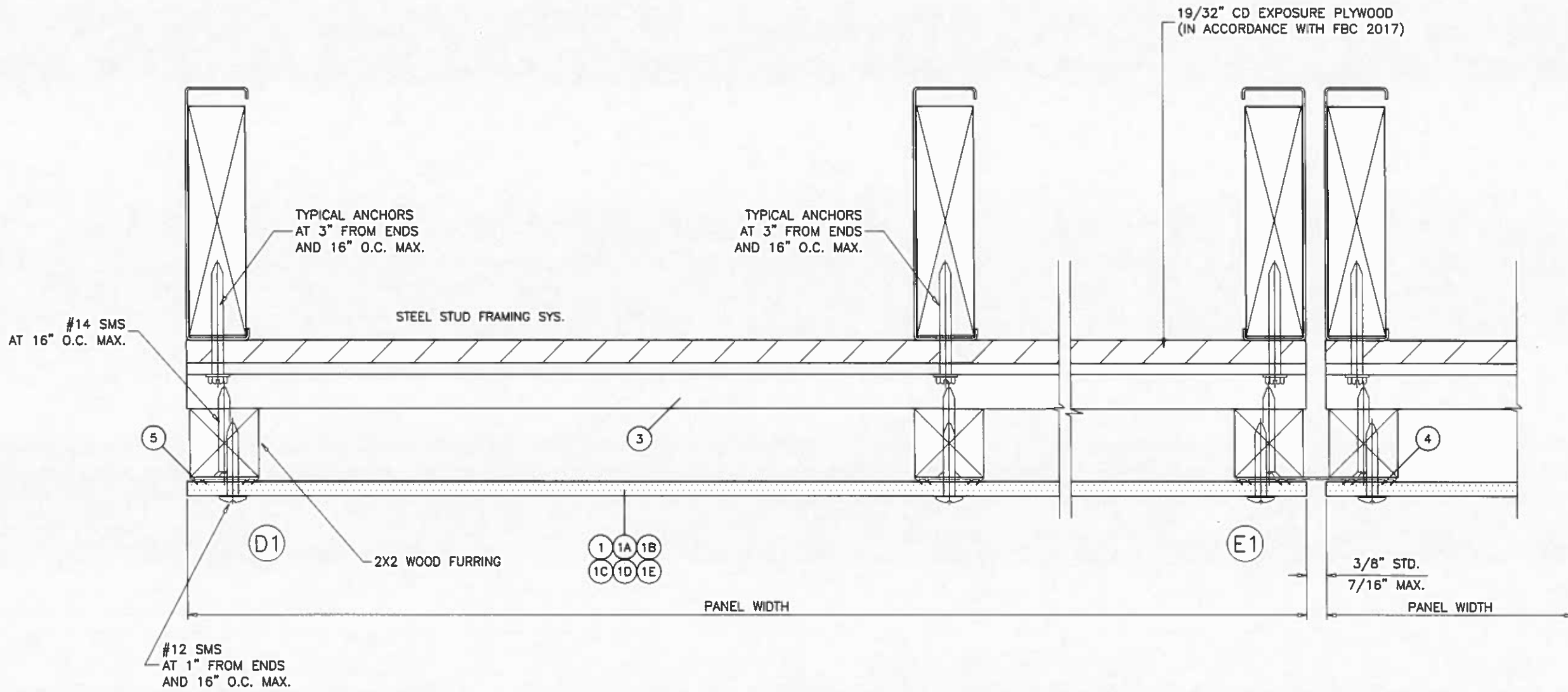
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sheet 7 of 13

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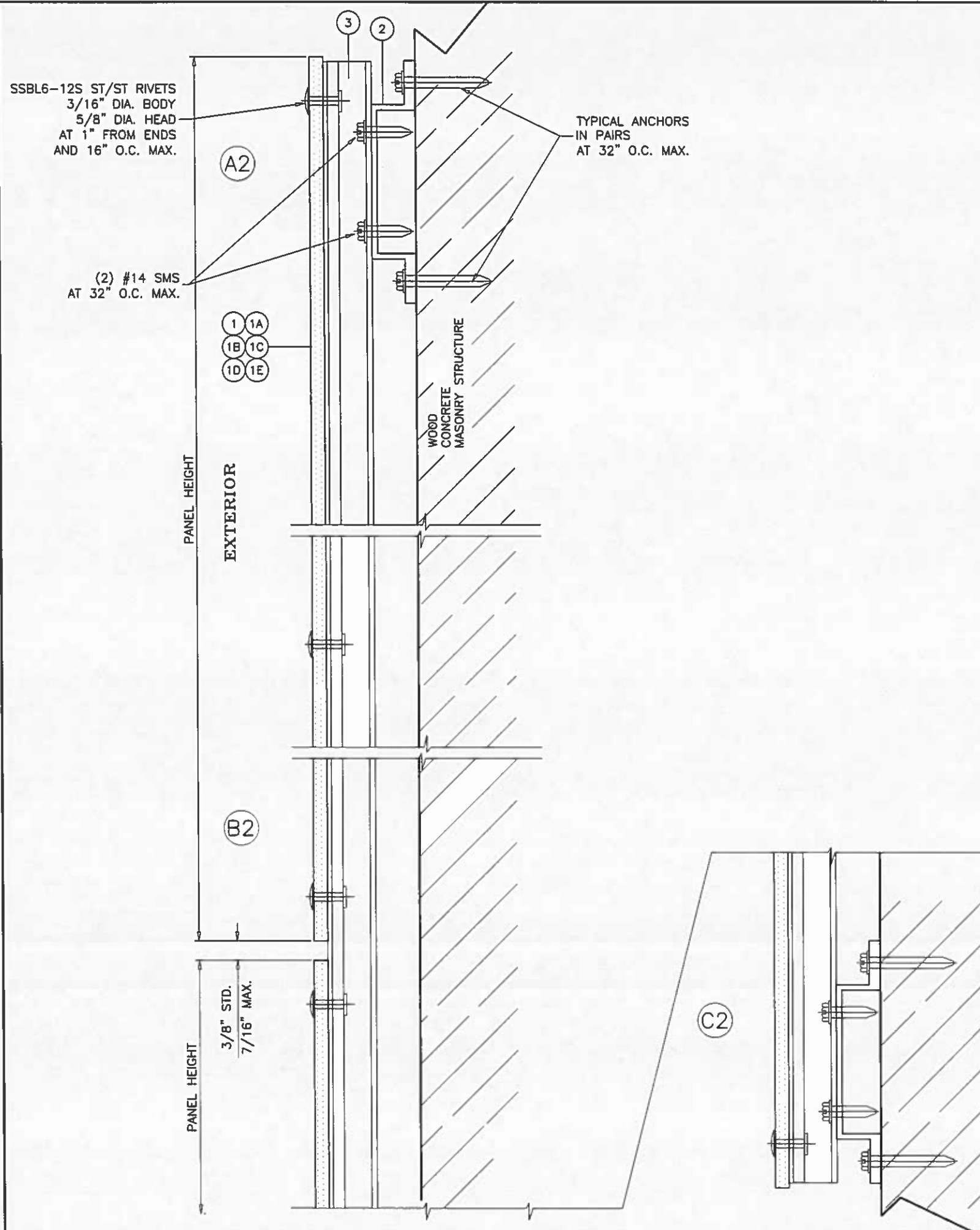
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 sheet 8 of 13

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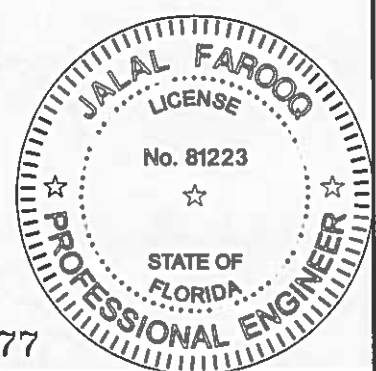




**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING  
 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)  
 INTO WOOD STRUCTURES  
 1-3/8" MIN. PENETRATION INTO WOOD  
 DIRECTLY INTO CONCRETE OR BLOCKS  
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**CRITICAL EDGE DISTANCE**  
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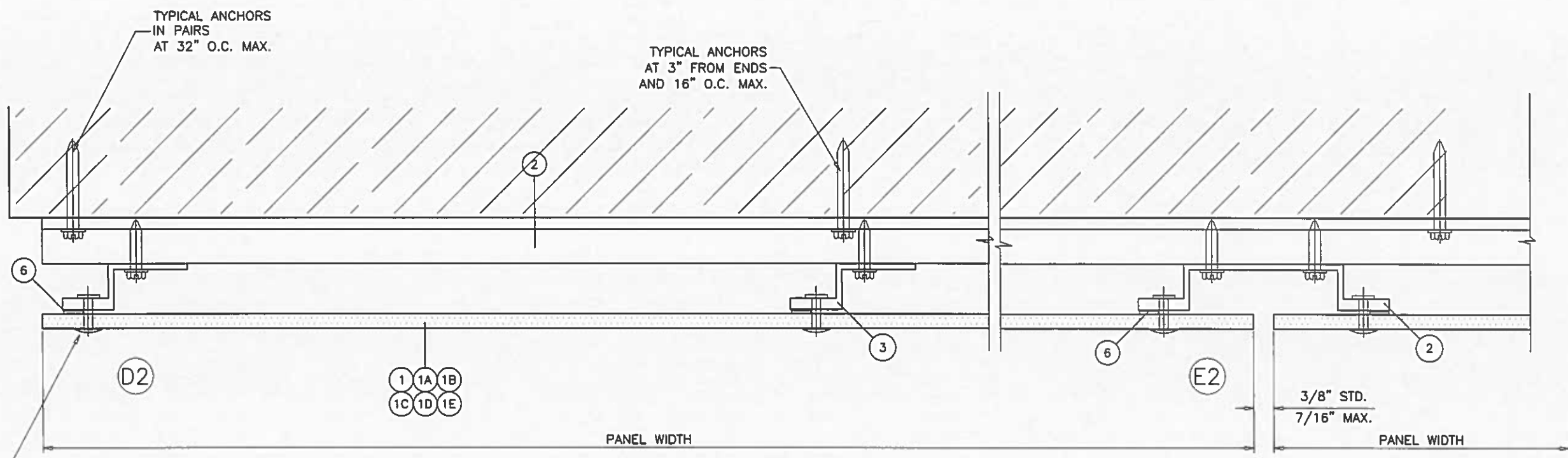
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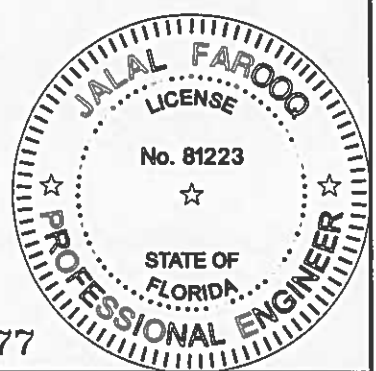
sheet 9 of 13



SSBL6-12S ST/ST RIVETS  
 3/16" DIA. BODY  
 5/8" DIA. HEAD  
 AT 1" FROM ENDS  
 AND 16" O.C. MAX.

TYPICAL ANCHORS  
 IN PAIRS  
 AT 32" O.C. MAX.

TYPICAL ANCHORS  
 AT 3" FROM ENDS  
 AND 16" O.C. MAX.



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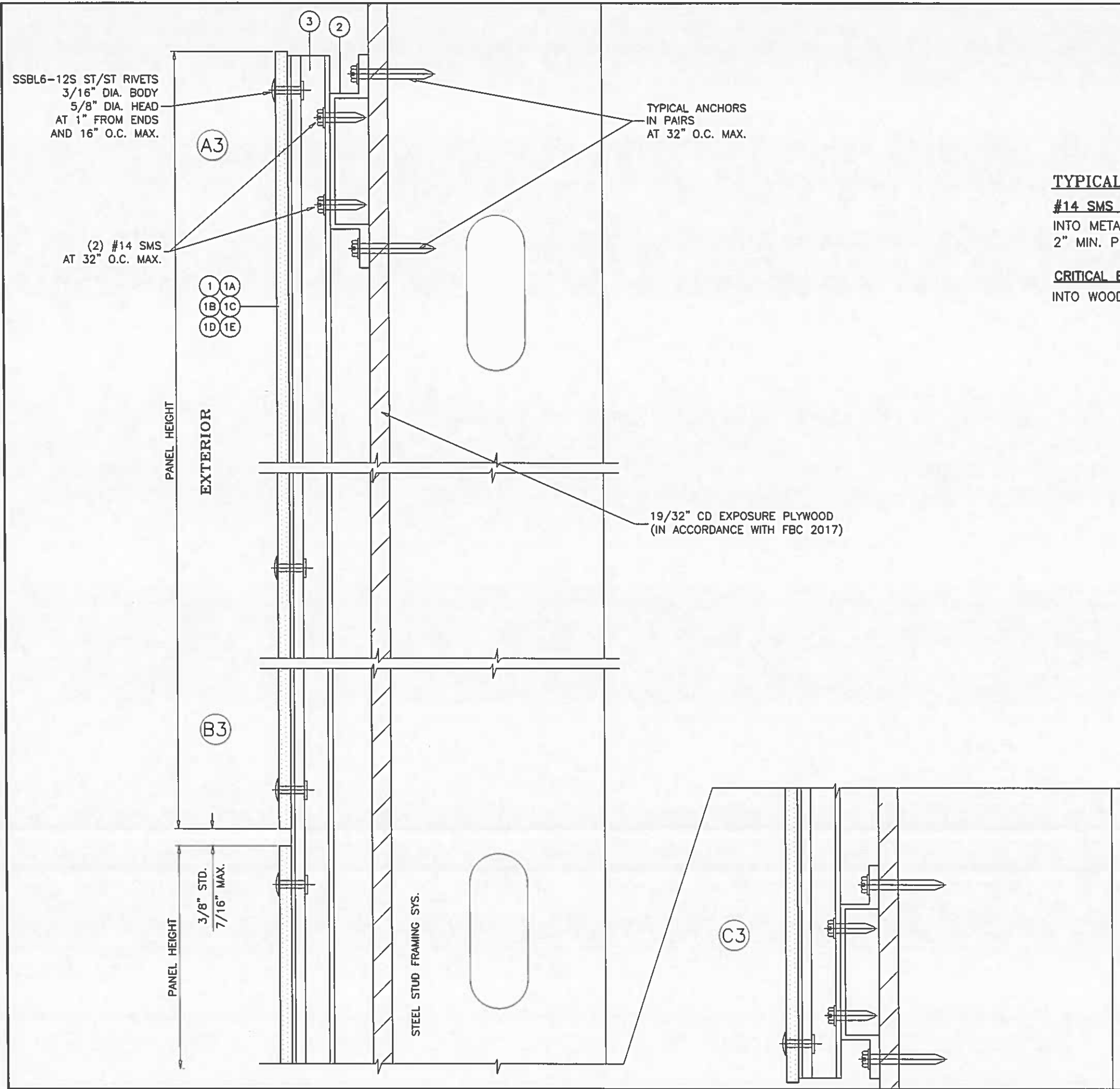
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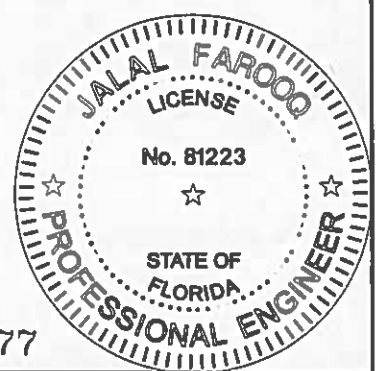
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**TYPICAL ANCHORS:**

**#14 SMS OR SELF-DRILLING SCREWS** (GRADE 2 CRS)  
INTO METAL STUDS WITH WOOD BACKING  
2" MIN. PENETRATION INTO WOOD BACKING

**CRITICAL EDGE DISTANCE**  
INTO WOOD STRUCTURE = 1" MIN.



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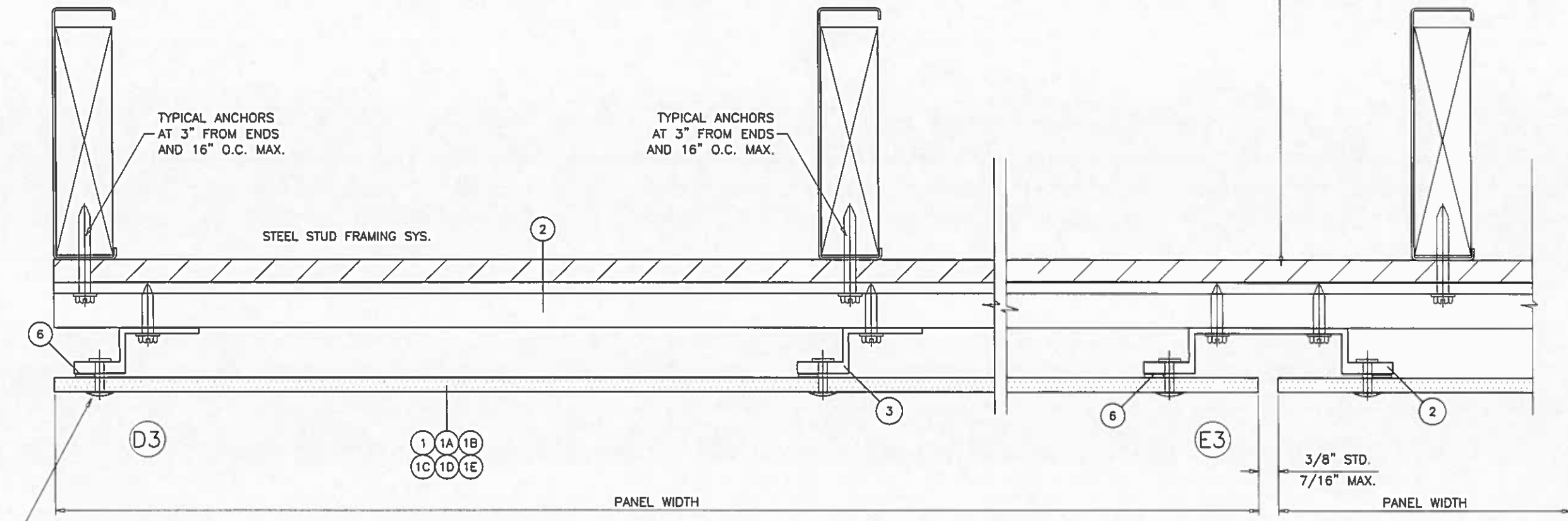
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19/32" CD EXPOSURE PLYWOOD  
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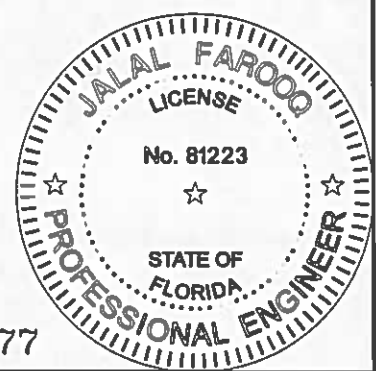
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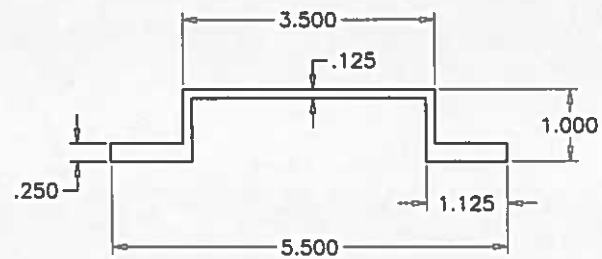
STEEL STUD FRAMING SYS.



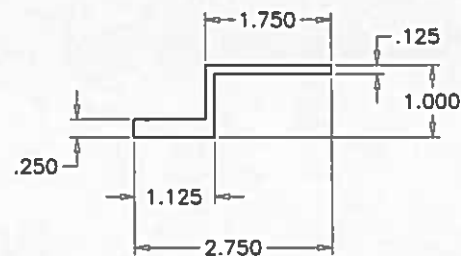
SSBL6-12S ST/ST RIVETS  
 3/16" DIA. BODY  
 5/8" DIA. HEAD  
 AT 1" FROM ENDS  
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FL #14677



2 HAT PROFILE



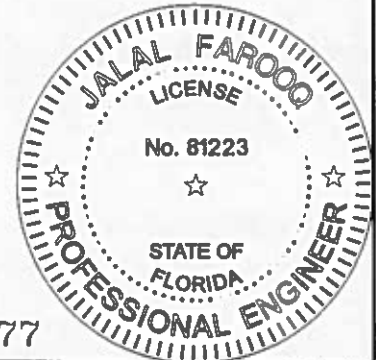
3 Z PROFILE

ITEM NO.	WEIGHT	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	2.54 Lbs/Sq. Ft.	AS REQD.	CLADDING PANELS (CEMBRIT PATINA ROUGH)	FIBER CEMENT	-
1A	2.89 Lbs/Sq. Ft.	AS REQD.	CLADDING PANELS (CEMBRIT PATINA INLINE)	FIBER CEMENT	-
1B	3.15 Lbs/Sq. Ft.	AS REQD.	CLADDING PANELS (CEMBRIT TRANSPARENT)	FIBER CEMENT	-
1C	2.91 Lbs/Sq. Ft.	AS REQD.	CLADDING PANELS (CEMBRIT COVER)	FIBER CEMENT	-
1D	2.54 Lbs/Sq. Ft.	AS REQD.	CLADDING PANELS (CEMBRIT PATINA ORIGINAL)	FIBER CEMENT	-
1E	3.20 Lbs/Sq. Ft.	AS REQD.	CLADDING PANELS (CEMBRIT SOLID)	FIBER CEMENT	-
2	-	AS REQD.	HAT PROFILE	6063-T6	-
3	-	AS REQD.	Z PROFILE	6063-T6	-
4	-	AS REQD.	RUBBER STRIP	EPDM	-
5	-	AS REQD.	RUBBER STRIP	EPDM	-
6	-	AS REQD.	FOAM TAPE	FOAM	-

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revisions:	no	date	by	description



date: 04-28-11  
 scale: 3/8" = 1"  
 dr. by: TARIQ  
 chk. by:

drawing no.  
 11-02  
 sheet 13 of 13

FL #14677

STORE 11-02-AFC