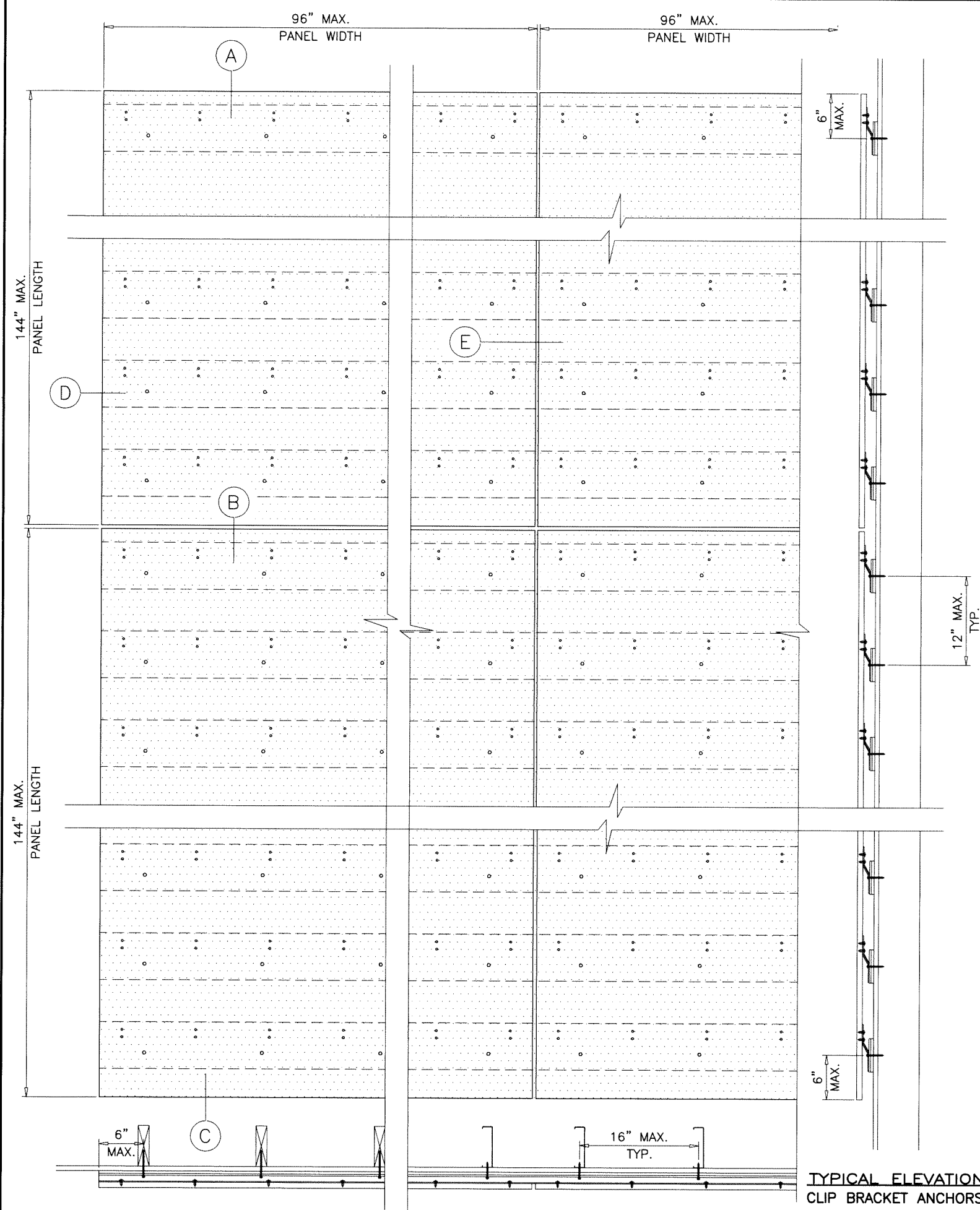




TYPICAL ELEVATION
CLIP BRACKET ANCHORS

INSTALLATIONS AT STEEL/WOOD STUD FRAMING SYSTEM AND CONC./MASONRY WALL
SEE SHEETS 3 AND 4 FOR INSTALLATION DETAILS

Simpson Signature Exterior Cladding Wall Panel System

POLYMER BONDED COMPRESSED FIBERGLASS PANEL
DENSITY: 13.4 Lbs/Cu Ft
PANELS COATED WITH A PRIMER CONSISTING OF SYNTEx 40-200
SCREENED SAND AS A ROLL-ON MATERIAL AND TOP COAT OF
SYNTEx TEXTURED FINISH LS-10 SAND.

APPROVAL APPLIES TO SINGLE OR MULTIPLE PANELS INSTALLATIONS

MIN. PANEL THICKNESS = 3/4 IN.
MAX. PANEL SIZE= 96" WIDTH X 144" LENGTH
MAXIMUM DESIGN LOAD = ±75.0 PSF

FACADE PANEL SYSTEM ANCHORED TO WALLS AS EXTERIOR CLADDING.
WALLS TO BE DESIGNED FOR LOADS AND DEFLECTION LIMITS IN
ACCORDANCE WITH THE 2020/2023 FLORIDA BUILDING CODE.
THIS SYSTEM IS RATED FOR LARGE MISSILE IMPACT ONLY WHEN INSTALLED
IN FRONT 1/2" PLYWOOD SUPPORTED BY WOOD/METAL STUDS,
EACH AT 16" O.C.
OR WHEN INSTALLED IN FRONT OF CONCRETE OR MASONRY WALLS.
PLYWOOD SHALL BE ATTACHED TO FRAMING STUDS IN ACCORDANCE WITH FBC.

WATER BARRIER REQUIREMENTS AND ADEQUACY OF STRUCTURE RECEIVING
FACADE PANEL SYSTEM SHALL BE CHECKED BY A LICENSED DESIGN
PROFESSIONAL IN ACCORDANCE WITH THE CURRENT EDITION OF THE
FLORIDA BUILDING CODE.

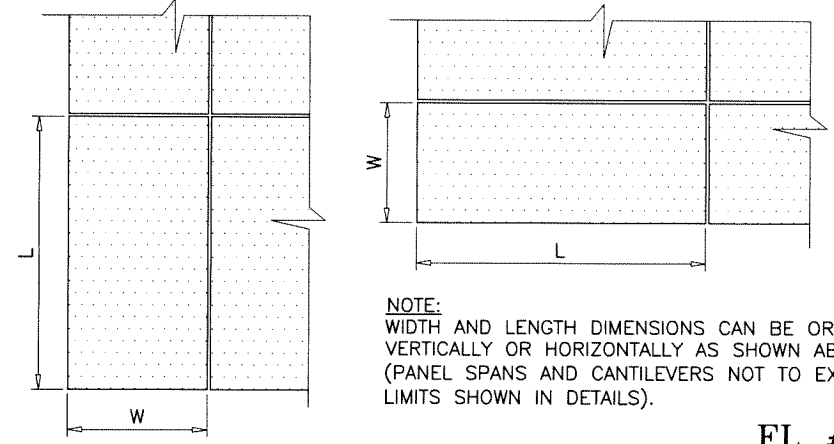
THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE 2020 (7TH EDITION)/2023 (8TH EDITION) FLORIDA
BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

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.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE 2020/2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

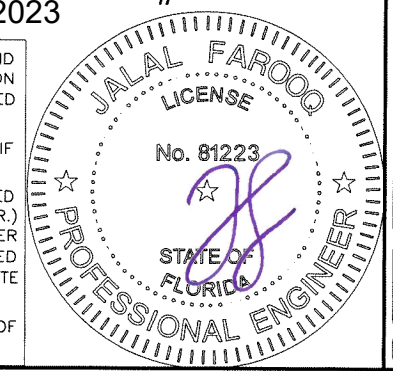
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION
FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY
OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR
WATER INFILTRATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY,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

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



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- 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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ENGINEERS & PRODUCT DEVELOPMENT
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MIAMI, FLORIDA 33173
TEL: (305) 264-8100
WWW.AFCENG.COM
FBPE #3538

Simpson Signature Ext. Cladding Wall Panel Sys.

Simpson Panel LLC
4800 Division Ave.
Birmingham, AL. 35222
Phone: (205) 994-2801
www.simpsonpanel.com

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	A	07.13.23		UPDATED TO 2023 FBC

date: 01-30-23

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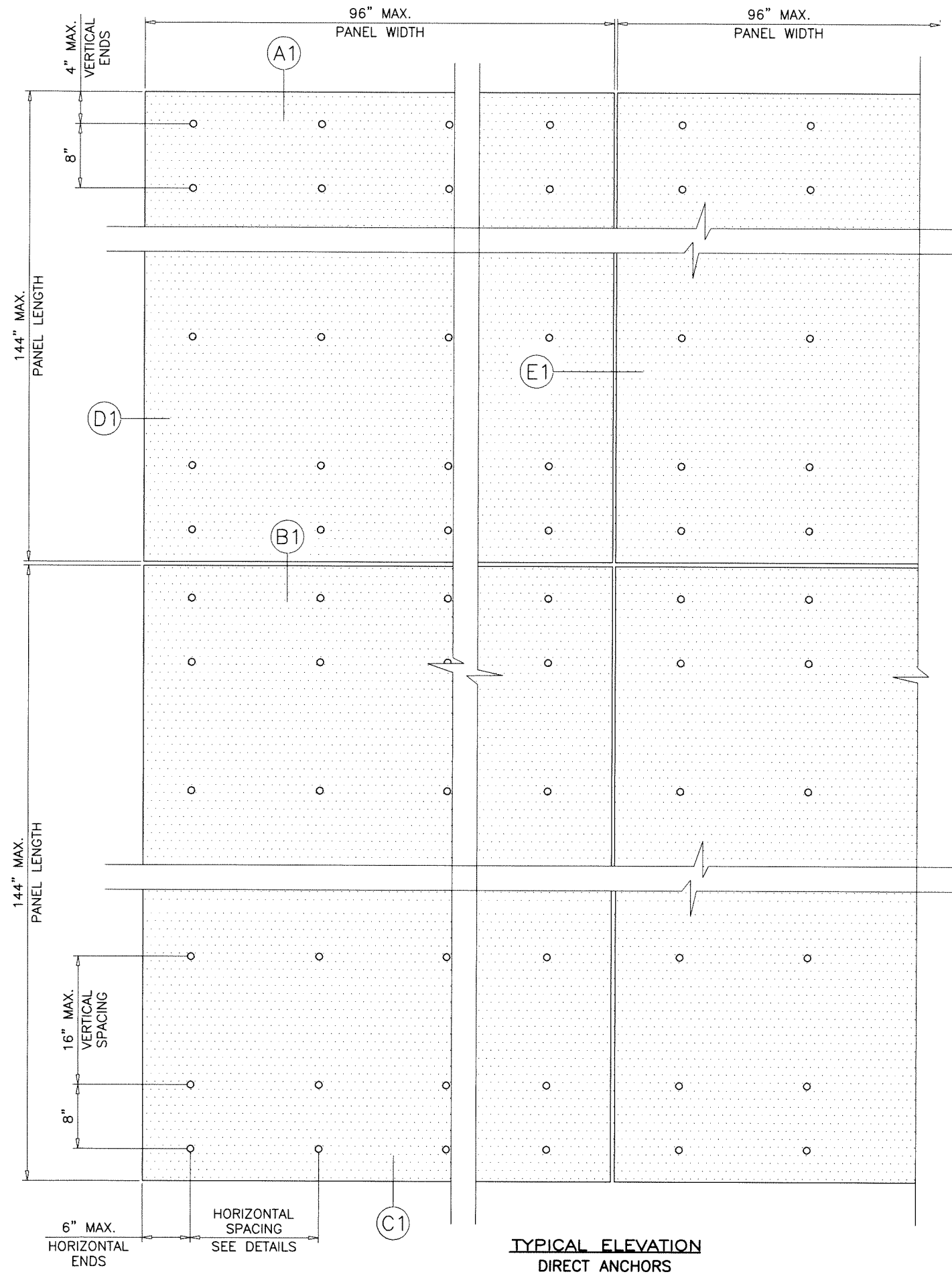
dr. by: TARIQ

chk. by:

drawing no.

23-07F

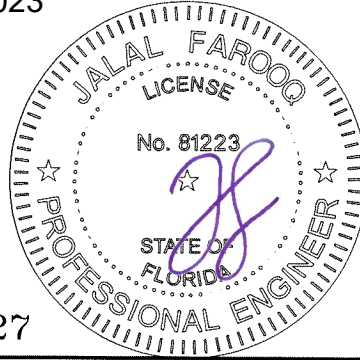
sheet 1 of 8



TYPICAL ELEVATION
DIRECT ANCHORS

INSTALLATION AT CONCRETE/MASONRY WALLS
SEE SHEETS 5 THRU 8 FOR INSTALLATION DETAILS
LIMIT MAX. DESIGN LOADS FOR DIRECT ANCHORS TO +68.3, -75.0 PSF

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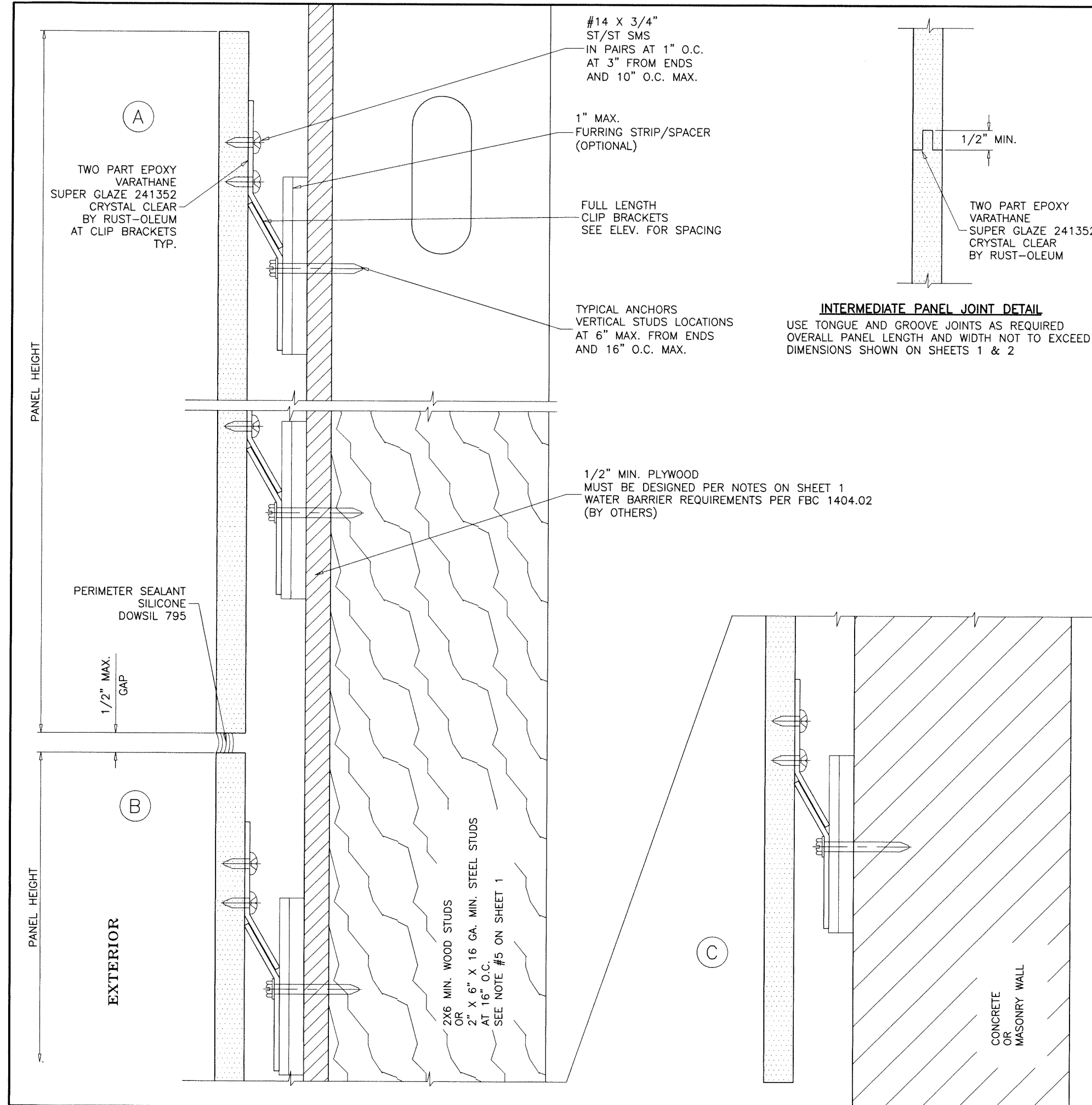
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CLIP BRACKET INSTALLATIONS AT WOOD/STEEL STUD FRAMING SYSTEM AND CONCRETE OR MASONRY WALL

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

#14 WOOD SCREWS

INTO 2X6 WOOD STUDS
1-1/2" MIN. PENETRATION INTO WOOD

1/4" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS)

INTO METAL STRUCTURES
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
GALV. STEEL STUDS: 16 GA. MIN. (Fy = 50 KSI MIN.)

1/4" DIA. TAPCON BY 'ITW' (Fu=125 KSI, Fy=100 KSI)

DIRECTLY INTO CONCRETE WALL
1-1/2" MIN. EMBED INTO CONCRETE
AT 6" FROM ENDS AND 16" O.C. MAX.

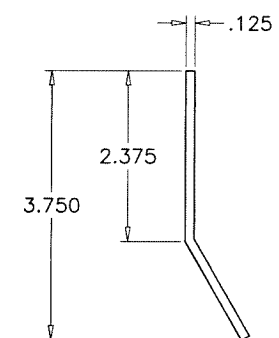
1/4" DIA. TAPCON BY 'ITW' (Fu=125 KSI, Fy=100 KSI)

DIRECTLY INTO BLOCK WALL
1" MIN. EMBED INTO BLOCK
AT 3" FROM ENDS AND 6-1/2" O.C. MAX.

CRITICAL EDGE DISTANCE

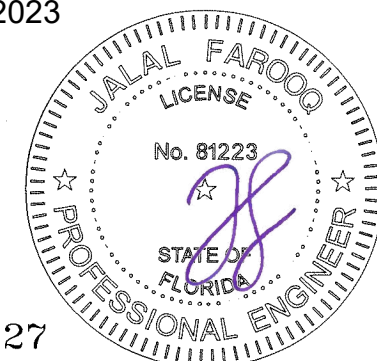
INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
INTO WOOD STUDS = 3/4" MIN.
INTO STEEL STUDS = 3/4" MIN.

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



CLIP BRACKET
6063-T5

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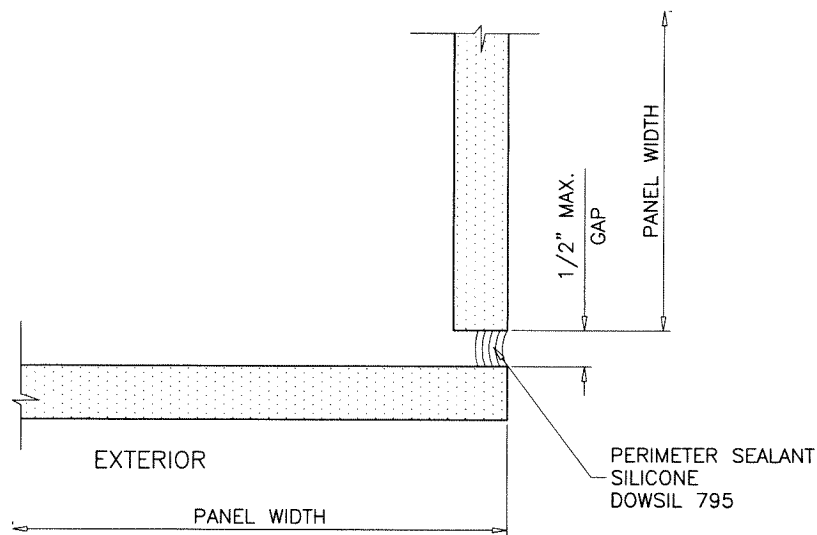
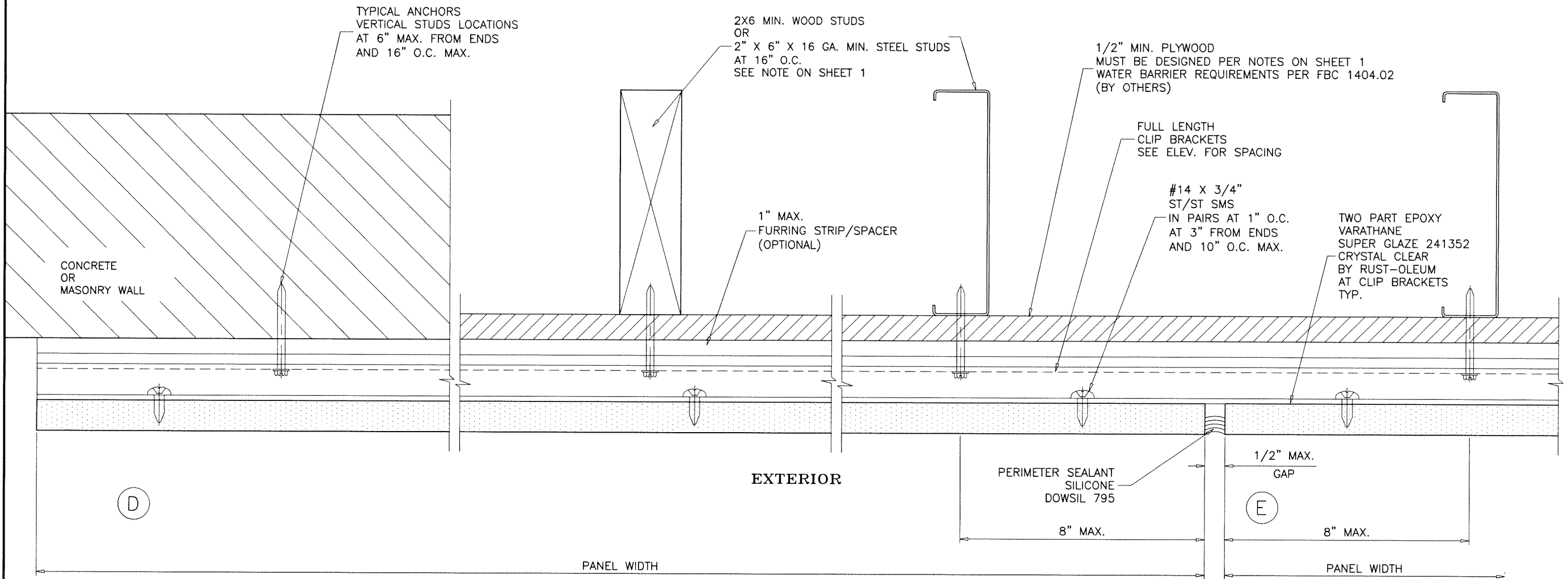
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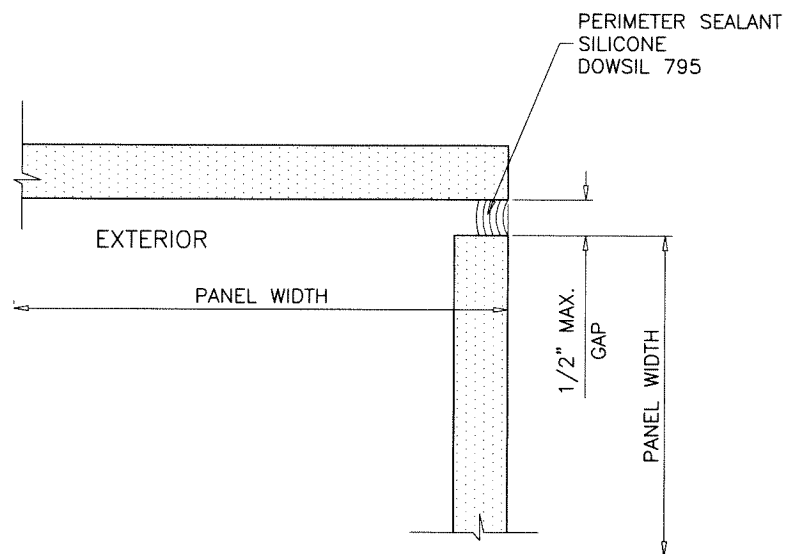
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23-07F
sheet 3 of 8

CLIP BRACKET INSTALLATIONS
AT WOOD/STEEL STUD FRAMING SYSTEM
AND CONCRETE OR MASONRY WALL



OUTSIDE OR INSIDE CORNER



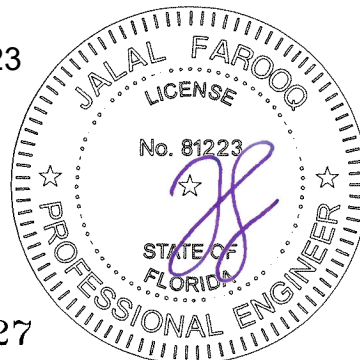
TWO PART EPOXY
VARATHANE
SUPER GLAZE 241352
CRYSTAL CLEAR
BY RUST-OLEUM

1/2" MIN.

INTERMEDIATE PANEL JOINT DETAIL

USE TONGUE AND GROOVE JOINTS AS REQUIRED
OVERALL PANEL LENGTH AND WIDTH NOT TO EXCEED
DIMENSIONS SHOWN ON SHEETS 1 & 2

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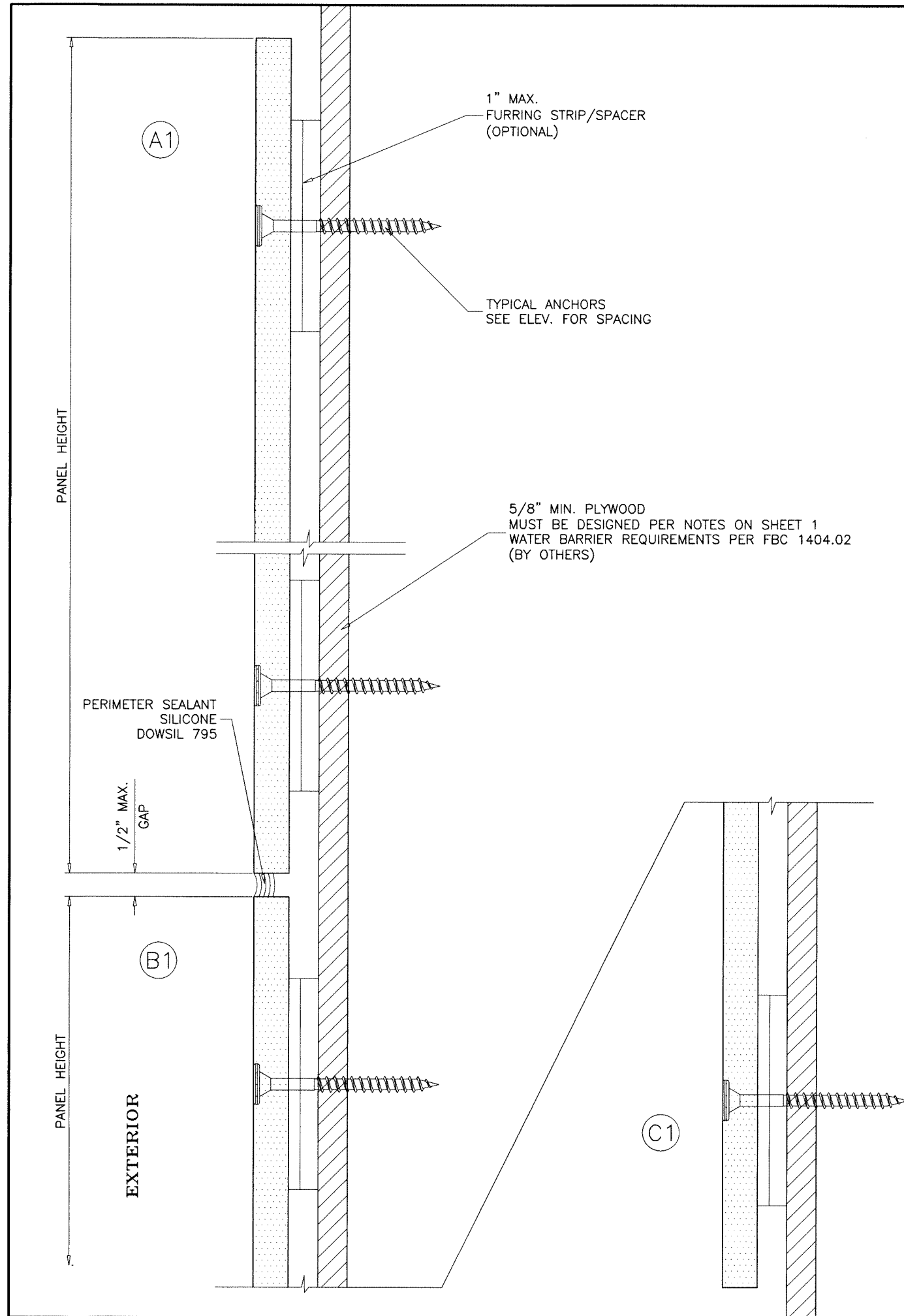
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23-07F

sheet 4 of 8

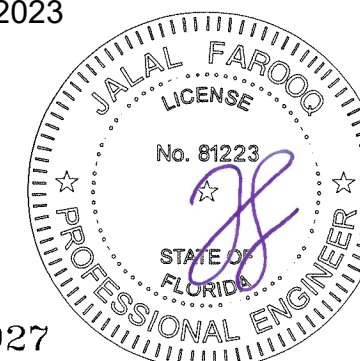


DIRECT ANCHORS INSTALLATIONS
AT PLYWOOD SUPPORTED BY
FRAMING STUDS

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" X 2-7/8" HEADLOCK FH SCREWS BY 'FASTENMASTER'
 INTO 5/8" MIN. CD EXPOSURE PLYWOOD
 AT 12" O.C. MAX. (HORIZONTAL SPACING)

#14 WOOD SCREWS WITH 7/8" DIA. WASHER
 INTO 5/8" MIN. CD EXPOSURE PLYWOOD
 AT 12" O.C. MAX. (HORIZONTAL SPACING)

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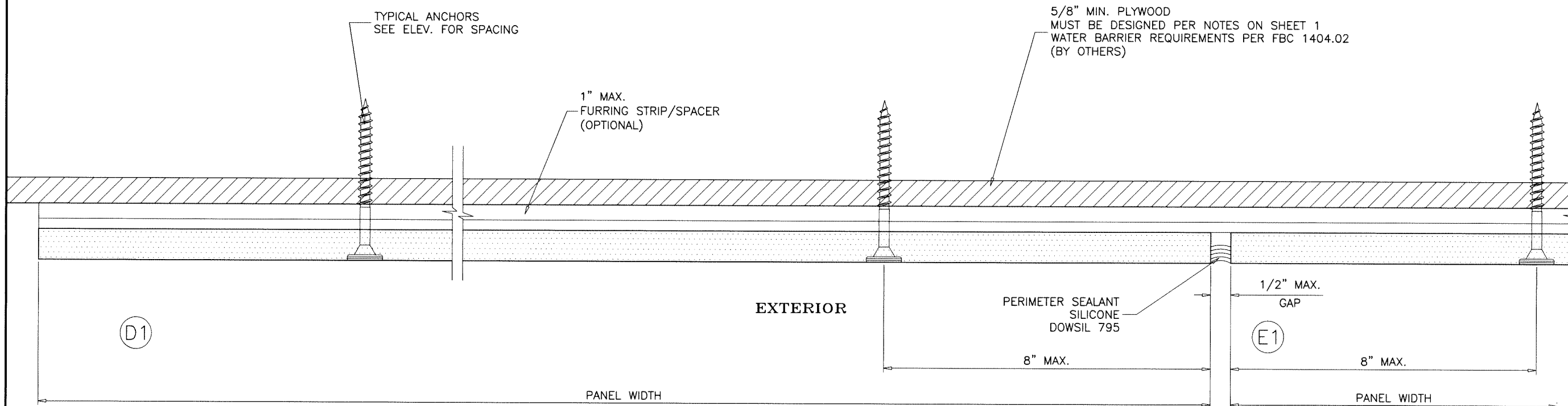
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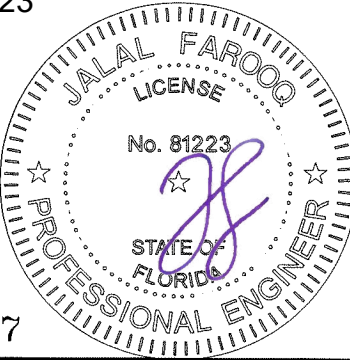
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DIRECT ANCHORS INSTALLATIONS
AT PLYWOOD SUPPORTED BY
FRAMING STUDS



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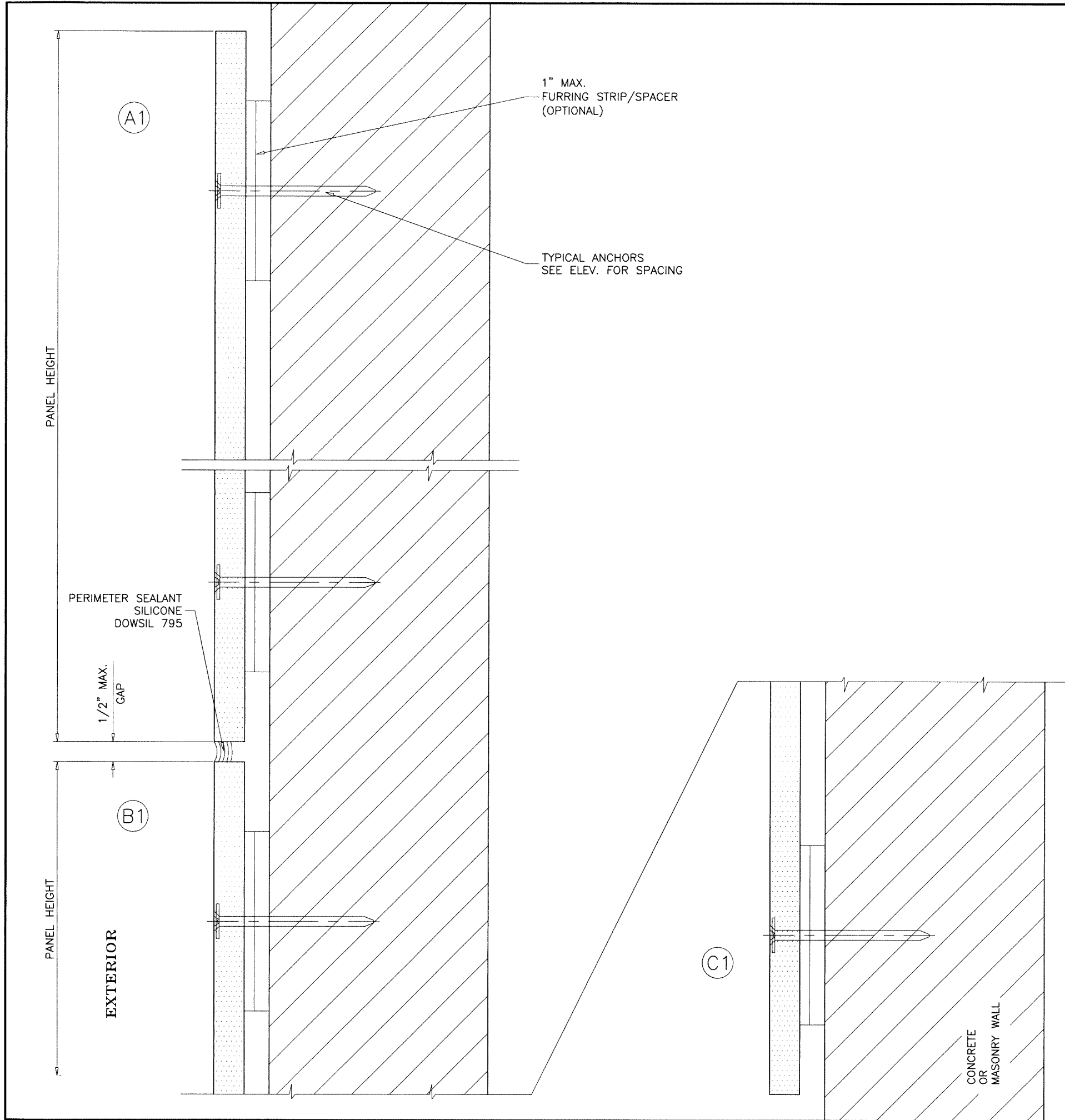


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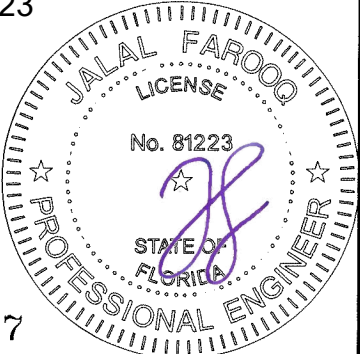


DIRECT ANCHORS INSTALLATIONS
AT CONCRETE AND BLOCK WALL

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" DIA. TAPCON BY 'ITW' (Fu=125 KSI, Fy=100 KSI)
WITH 7/8" DIA. WASHER
INTO CONCRETE WALL
1-1/2" MIN. EMBED INTO CONCRETE
AT 16" O.C. MAX. (HORIZONTAL SPACING)
1/4" DIA. TAPCON BY 'ITW' (Fu=125 KSI, Fy=100 KSI)
WITH 7/8" DIA. WASHER
INTO BLOCK WALL
1" MIN. EMBED INTO BLOCK
AT 12" O.C. MAX. (HORIZONTAL SPACING)

CRITICAL EDGE DISTANCE
INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
CONCRETE f'c = 3000 PSI MIN.
C-90 HOLLOW BLOCKS f'm = 2000 PSI MIN.

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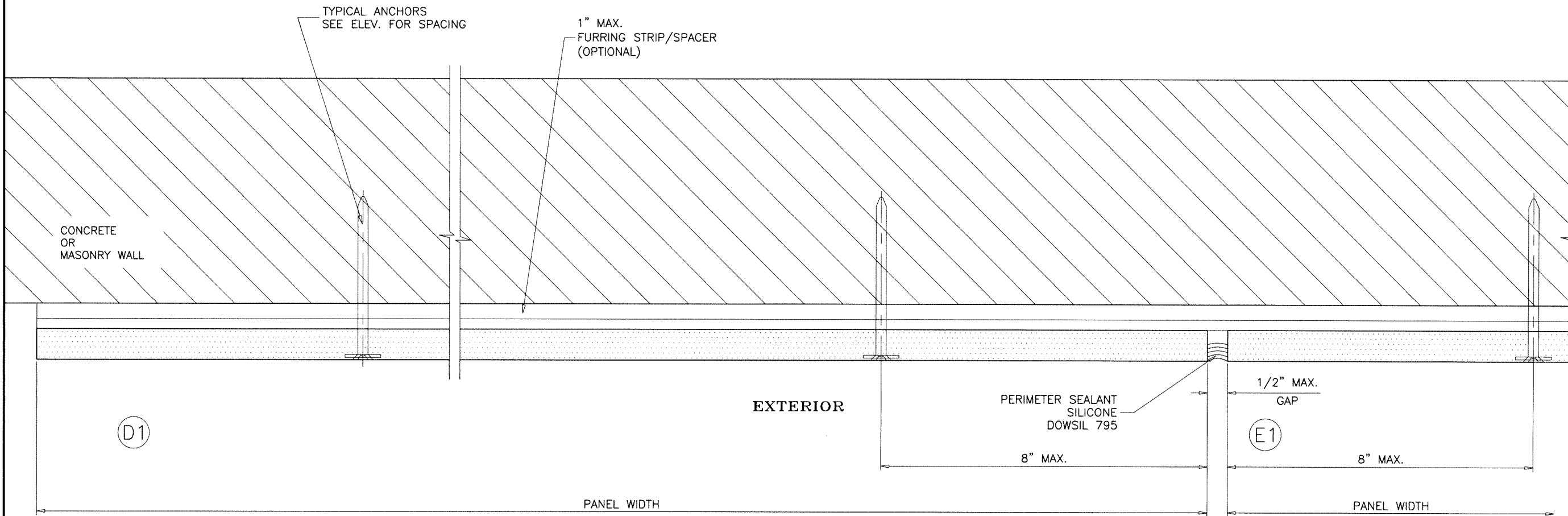
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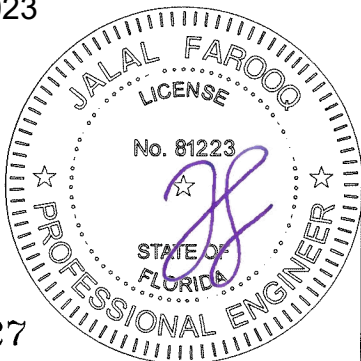
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DIRECT ANCHORS INSTALLATIONS
AT CONCRETE AND BLOCK WALL



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