

| REVISIONS |                      |            |          |
|-----------|----------------------|------------|----------|
| REV       | DESCRIPTION          | DATE       | APPROVED |
| A         | REVISED PER NEW CODE | 05/01/2023 | R.L.     |

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD, METAL FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
4. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
5. FOR ANCHORING THROUGH WALL BRACKET INTO WOOD FRAMING OR 2X BUCK USE #12 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
6. FOR ANCHORING THROUGH WALL BRACKET INTO MASONRY/CONCRETE USE 1/4” ELCO CRETE-FLEX WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2” MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
7. FOR ANCHORING THROUGH WALL BRACKET INTO METAL STRUCTURE USE #12 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
8. FOR ANCHORING SUPPORT PROFILE TO WALL BRACKET USE (2) #14 SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
9. ALL FASTENERS TO BE CORROSION RESISTANT.
10. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER’S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:

A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42

B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.

C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.

D. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .048” THICK MINIMUM.
11. WALL BRACKET DESIGN AND ANCHORING TO BUILDING STRUCTURE TO BE DESIGNED AND DETERMINED BY A LICENSED PROFESSIONAL.

SIGNED: 05/01/2023

| TABLE OF CONTENTS |                      |
|-------------------|----------------------|
| SHEET NO.         | DESCRIPTION          |
| 1                 | NOTES                |
| 2                 | ELEVATION            |
| 3 – 5             | INSTALLATION DETAILS |
| 6                 | COMPONENTS           |

AVENERE CLADDING LLC

2801 SISSON STREET

BALTIMORE, MD 21211

NEACERA TERRA – COTTA WALL PANEL

EXTERIOR WALL CLADDING SYSTEM

NOTES

DRAWN:

A.R.

DWG NO.

08-03093

REV

A

SCALE

NTS

DATE

04/10/17

SHEET

1

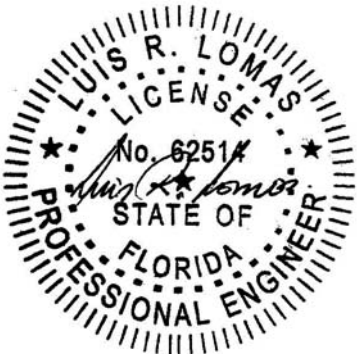
OF

7

L. ROBERTO LOMAS P.E.

400 S. PALM AVE, INDIALANTIC, FL 32903

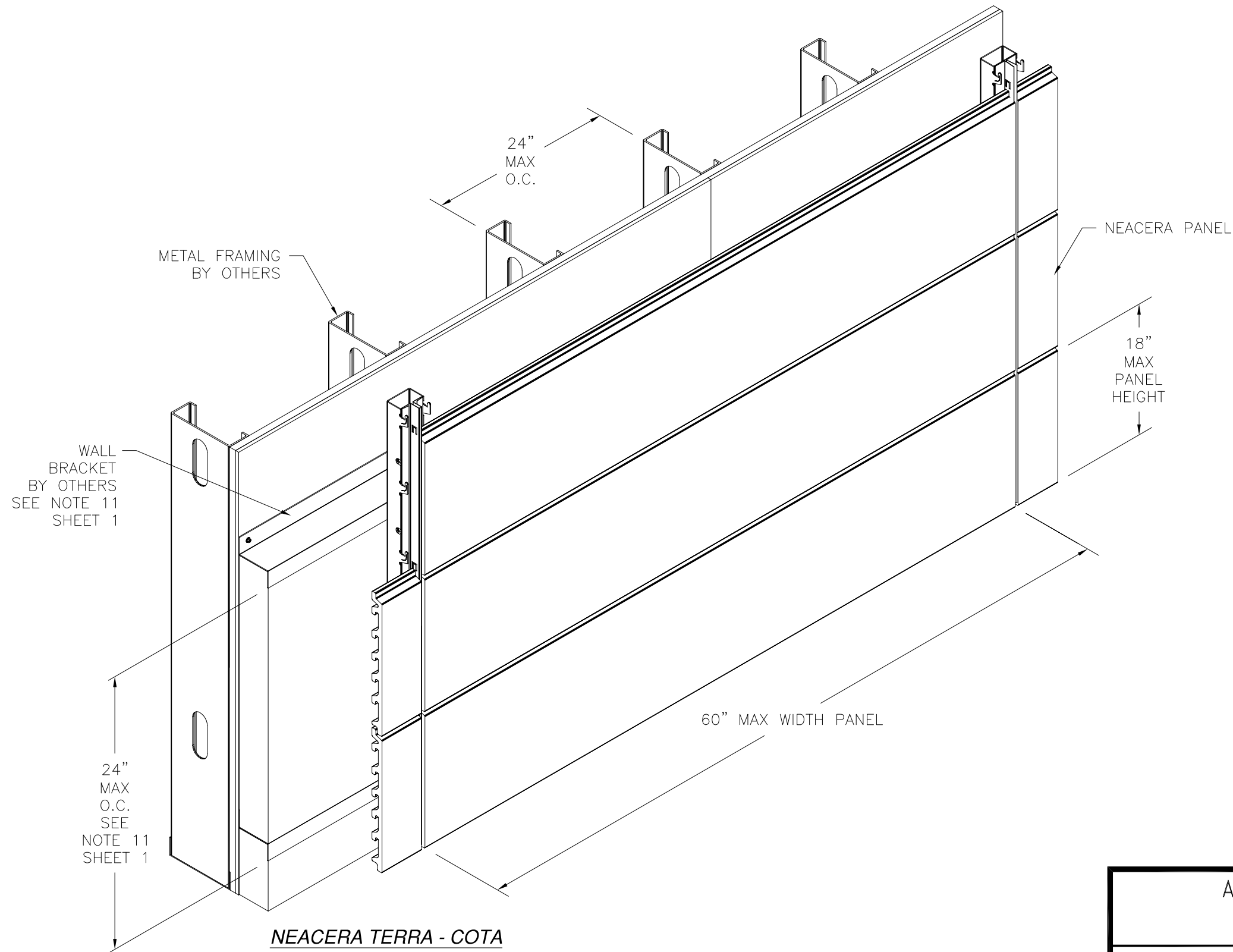
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Luis R. Lomas P.E.

FL No.: 62514

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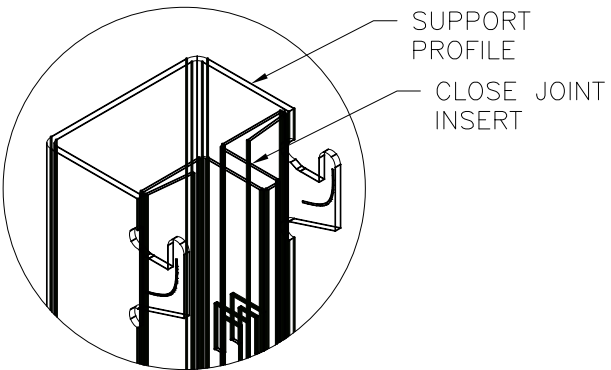


PANELS INSTALLED WITH SUPPORTS AT EACH PANEL END  
SEE CHART #1 FOR RATINGS.

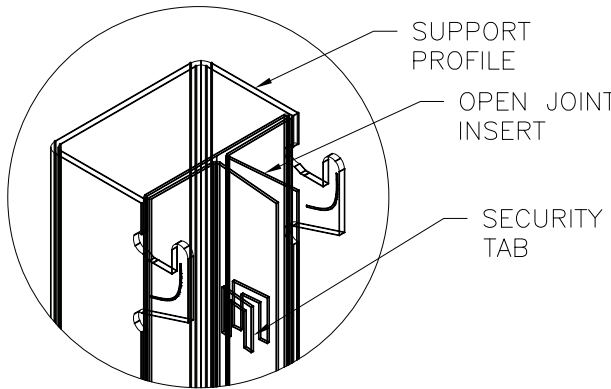
**Chart #1**  
**Design Pressure (psf)**

| Panel height (in) | Panel width (in) |       |       |       |       |       |       |
|-------------------|------------------|-------|-------|-------|-------|-------|-------|
|                   | 48.00            | 50.00 | 52.00 | 54.00 | 56.00 | 58.00 | 60.00 |
| 12.00             | 70.2             | 64.5  | 58.8  | 53.1  | 47.4  | 41.7  | 36.0  |
| 14.00             | 67.1             | 61.9  | 56.6  | 51.4  | 46.1  | 40.9  | 35.6  |
| 16.00             | 64.1             | 59.3  | 54.5  | 49.7  | 44.9  | 40.1  | 35.3  |
| 18.00             | 61.0             | 56.7  | 52.3  | 48.0  | 43.6  | 39.3  | 34.9  |

Design pressures are per ASD



**SUPPORT PROFILE CONECTION**



**SUPPORT PROFILE CONECTION**

SIGNED: 05/01/2023

AVENERE CLADDING LLC  
2801 SISSON STREET  
BALTIMORE, MD 21211

NEACERA TERRA – COTTA WALL PANEL  
EXTERIOR WALL CLADDING SYSTEM  
SUPPORT AT EACH END ELEVATION

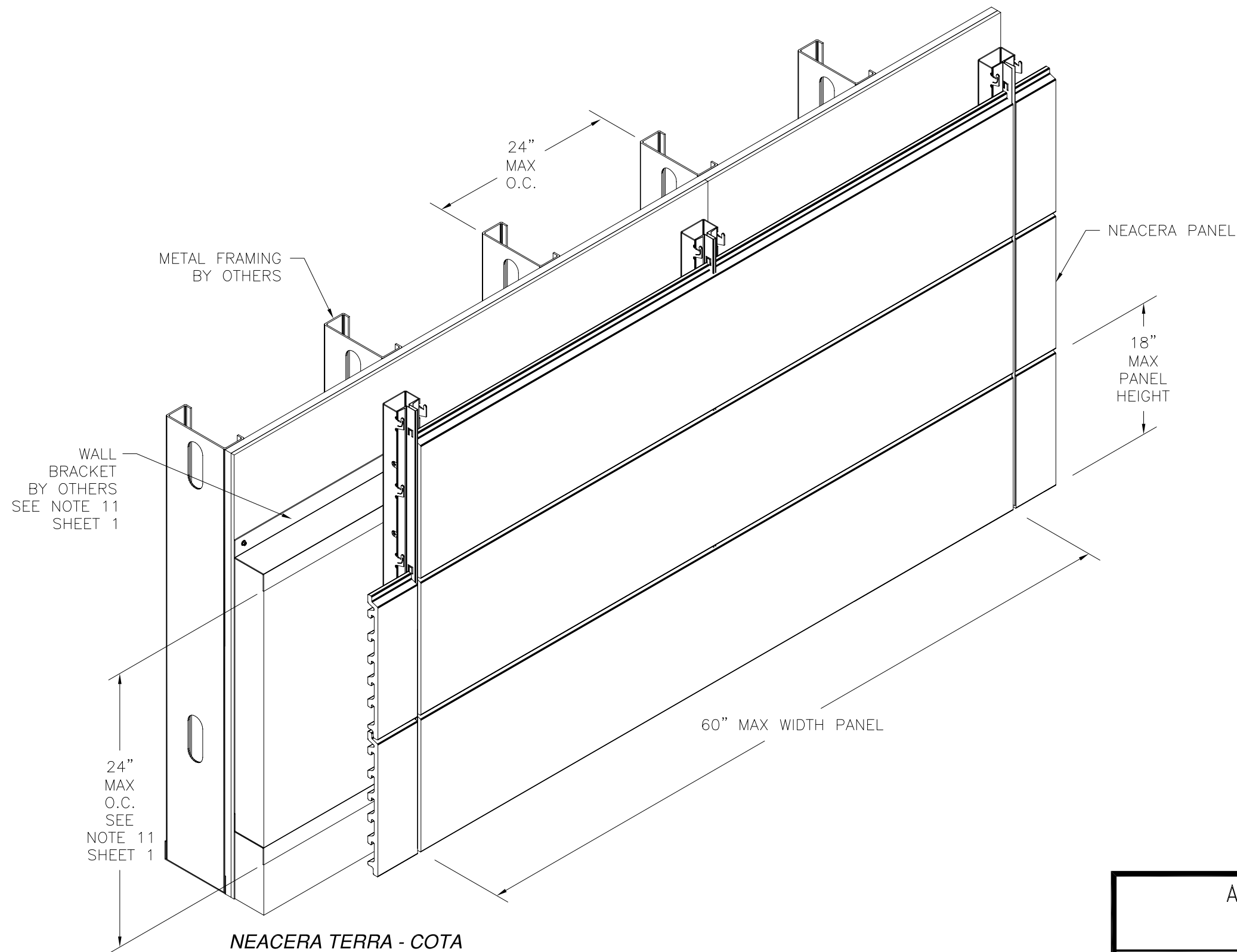
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|----------------|---------------------|--------------|
| DRAWN:<br>A.R. | DWG NO.<br>08-03093 | REV<br>A     |
| SCALE NTS      | DATE 04/10/17       | SHEET 2 OF 7 |

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**NEACERA TERRA - COTA**  
EXTERIOR VIEW  
PANELS INSTALLED WITH SUPPORTS AT EACH PANEL END AND AT MIDSPAN  
SEE CHART #2 FOR RATINGS

**Chart #2**  
**Design Pressure (psf)**

| Panel height (in) | Panel width (in) |       |       |       |       |       |       |
|-------------------|------------------|-------|-------|-------|-------|-------|-------|
|                   | 48.00            | 50.00 | 52.00 | 54.00 | 56.00 | 58.00 | 60.00 |
| 12.00             | 125.0            | 125.0 | 125.0 | 125.0 | 125.0 | 125.0 | 125.0 |
| 14.00             | 125.0            | 125.0 | 125.0 | 125.0 | 125.0 | 125.0 | 125.0 |
| 16.00             | 125.0            | 125.0 | 125.0 | 125.0 | 125.0 | 125.0 | 125.0 |
| 18.00             | 125.0            | 125.0 | 125.0 | 125.0 | 124.8 | 119.8 | 114.8 |

Design pressures are per ASD

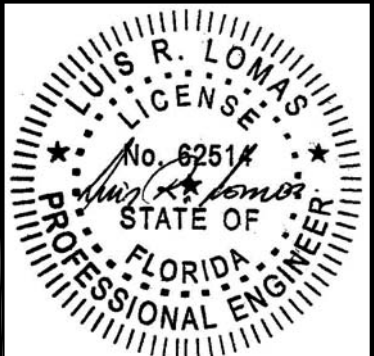
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NEACERA TERRA – COTTA WALL PANEL  
EXTERIOR WALL CLADDING SYSTEM  
SUPPORT AT EACH END AND MIDSPAN ELEVATION

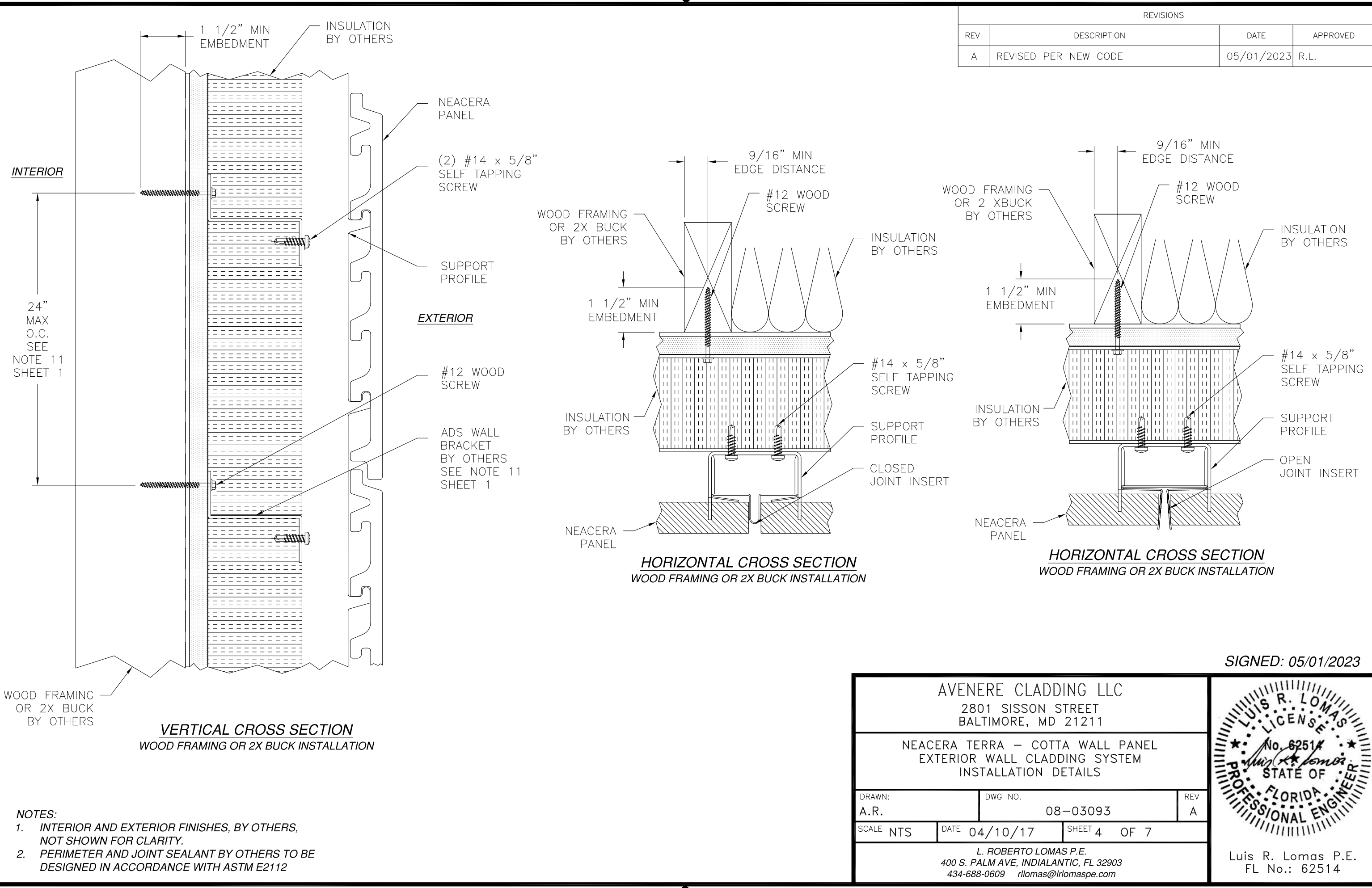
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- NOTES:
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  - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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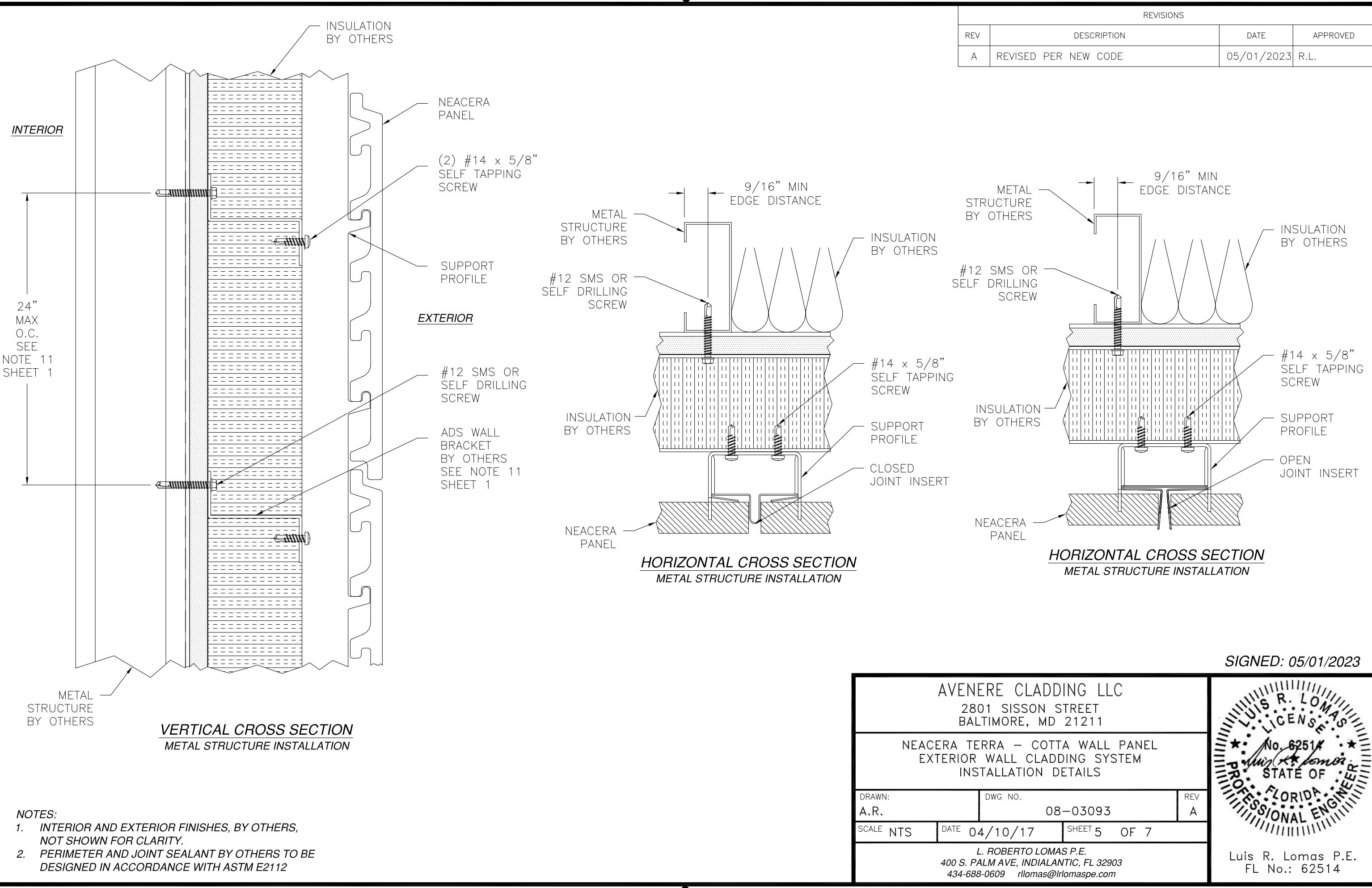
NEACERA TERRA – COTTA WALL PANEL  
EXTERIOR WALL CLADDING SYSTEM  
INSTALLATION DETAILS

|                |                     |                 |
|----------------|---------------------|-----------------|
| DRAWN:<br>A.R. | DWG NO.<br>08-03093 | REV<br>A        |
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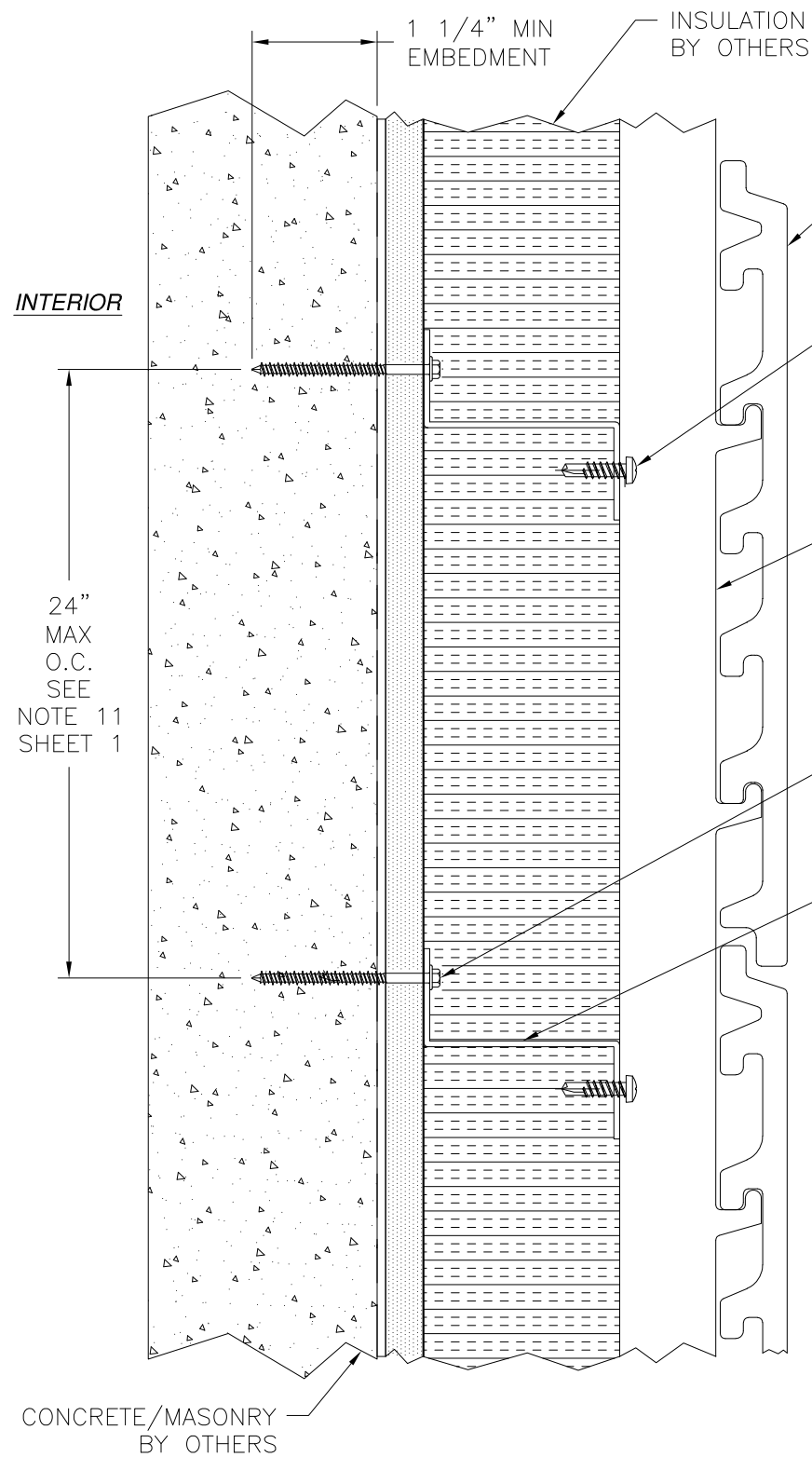
NEACERA TERRA – COTTA WALL PANEL  
EXTERIOR WALL CLADDING SYSTEM  
INSTALLATION DETAILS

|                |                     |                 |
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**VERTICAL CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION

- NOTES:
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NEACERA  
PANEL

(2) #14 x 5/8"  
SELF TAPPING  
SCREW

SUPPORT  
PROFILE

**EXTERIOR**

1/4" ELCO  
CRETE-FLEX

ADS WALL  
BRACKET  
BY OTHERS  
SEE NOTE 11  
SHEET 1

CONCRETE/MASONRY  
BY OTHERS

1 1/4" MIN  
EMBEDMENT

INSULATION  
BY OTHERS

NEACERA  
PANEL

**HORIZONTAL CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION

1/4" ELCO  
CRETE-FLEX

#14 x 5/8"  
SELF TAPPING  
SCREW

SUPPORT  
PROFILE

CLOSED  
JOINT INSERT

CONCRETE/MASONRY  
BY OTHERS

1 1/4" MIN  
EMBEDMENT

INSULATION  
BY OTHERS

NEACERA  
PANEL

**HORIZONTAL CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION

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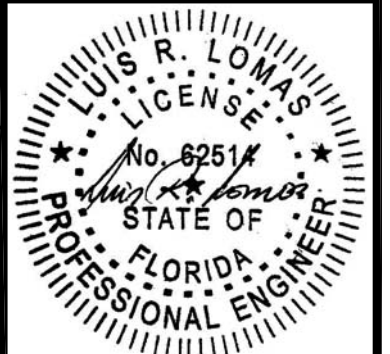
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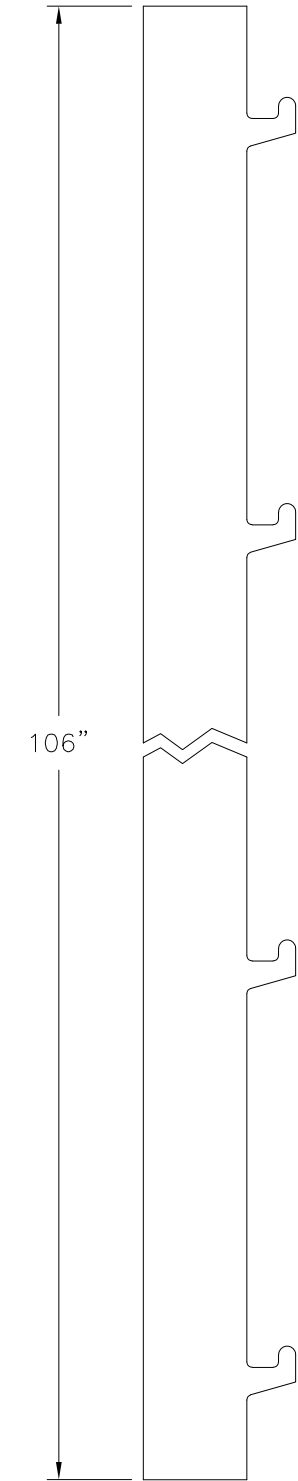
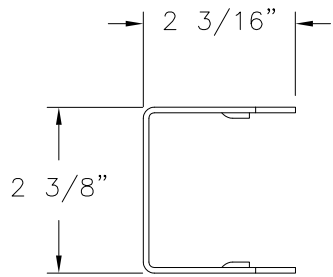
NEACERA TERRA - COTTA WALL PANEL  
EXTERIOR WALL CLADDING SYSTEM  
INSTALLATION DETAILS

|                |                     |                 |
|----------------|---------------------|-----------------|
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| SCALE<br>NTS   | DATE<br>04/10/17    | SHEET<br>6 OF 7 |

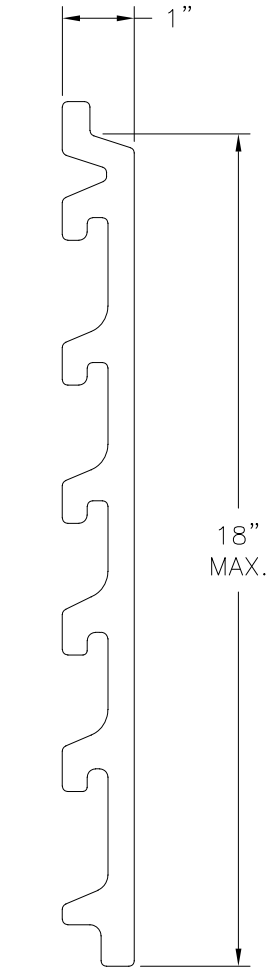
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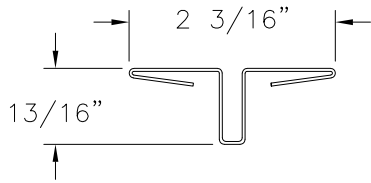
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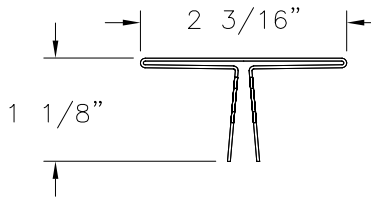
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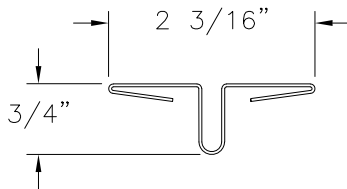
**NEACERA PANEL**  
TERRA COTTA



**CLOSE JOINT INSERT**  
ALUMINUM 5754-H22



**OPEN JOINT INSERT**  
ALUMINUM 5754-H22



**CLOSE JOINT INSERT**  
ALUMINUM 5754-H22

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NEACERA TERRA – COTTA WALL PANEL  
EXTERIOR WALL CLADDING SYSTEM  
COMPONENTS

|                                                                                                       |                     |              |
|-------------------------------------------------------------------------------------------------------|---------------------|--------------|
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| SCALE NTS                                                                                             | DATE 04/10/17       | SHEET 7 OF 7 |
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