

# PROFILE OPTIONS



**CEDAR PRIDE**



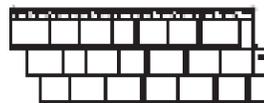
**HAND SPLIT SHAKE**



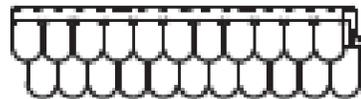
**ROUGHSAWN CEDAR EZ**



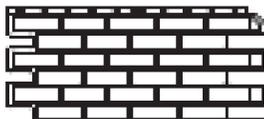
**ROUGHSAWN SINGLE EZ**



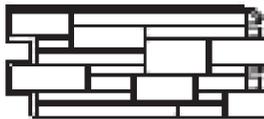
**CAPE COD PERFECTION**



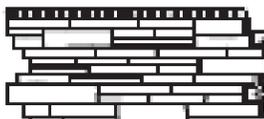
**SCALLOPED PERFECTION**



**HAND-LAID BRICK**



**HAND-CUT STONE**



**STACKED STONE**

# EXTERIA BUILDING PRODUCTS POLYPROPYLENE SIDING INSTALLATION ANCHORAGE DETAILS

### GENERAL NOTES:

1. THE SYSTEM DEPICTED HEREIN HAS BEEN TESTED & EVALUATED IN ACCORDANCE WITH THE 2006 INTERNATIONAL BUILDING AND 2006 RESIDENTIAL CODE WITH TEXAS SPECIFIC AMENDMENTS.
2. APPLICABLE DESIGN WIND PRESSURES FOR THE INSTALLATION OF THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A SITE-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE.
3. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE-SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS APPROVAL.
4. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS.
5. ALL SIDING PANELS SHALL BE FABRICATED FROM POLYPROPYLENE WITH FILLER AS SPECIFIED FOR EACH PROFILE AND NOMINAL THICKNESS  $t=0.090$ ".
6. PRODUCT BOX OR CONTAINER SHALL BE LABELED WITH THE TDI PRODUCT APPROVAL NUMBER IN ADDITION TO MANUFACTURER'S INFORMATION: EXTERIA BUILDING PRODUCTS, MIAMI, FL.
7. SIDING PANELS SHALL BE INSTALLED ON VERTICAL WALLS OR OTHER SURFACES WITH SLOPE GREATER THAN 45:12.
8. SIDING PANELS SHALL BE INSTALLED ON A SMOOTH, FLAT SURFACE AS FOLLOWS.
  - 8.1. 2X WOOD-FRAME WITH 15/32" MIN. PLYWOOD OR OSB SHEATHING HOST STRUCTURE .
  - 8.2. HOLLOW-BLOCK OF CONCRETE HOST STRUCTURE.
  - 8.3. METAL STUD WITH 15/32" MIN. PLYWOOD OR OSB SHEATHING HOST STRUCTURE .
  - 8.4. AREAS BETWEEN FURRING STRIPS (WHERE USED) SHALL BE FILLED TO ENSURE A SMOOTH, FLAT SURFACE.
9. THIS SYSTEM DOES NOT PROVIDE WEATHER RESISTANCE AND SHALL BE INSTALLED OVER A WEATHER RESISTANT BARRIER SYSTEM IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS.
10. ALL NAILS AND SCREWS SHALL BE GALVANIZED STEEL OR STAINLESS STEEL WITH A MINIMUM TENSILE YIELD STRENGTH OF 60 KSI.
11. PLASTIC COMPONENTS SATISFY ALL APPLICABLE FIRE/SMOKE/UV PERFORMANCE REQUIREMENTS AS SET FORTH IN THE ABOVE NOTED BUILDING CODE.

### ANCHOR NOTES:

1. IN ORDER TO ALLOW FOR THERMAL EXPANSION AND CONTRACTION, ALL ANCHORS SHALL BE INSTALLED INTO THE CENTER OF PRE-PUNCHED ANCHOR SLOTS, WITHOUT EXERTING PRESSURE UNDER THE ANCHOR HEADS. EXCEPTION: CENTER ANCHOR OF EACH PANEL MAY BE INSTALLED INTO PRE-PUNCHED OR FIELD-DRILLED HOLE.
2. ENSURE THAT ALL LOCKING TABS ARE PROPERLY ENGAGED WITH ADJACENT PANELS PRIOR TO INSTALLING ANCHORS.
3. NOT USED.
4. ENSURE MINIMUM 3/4" EDGE DISTANCE FOR ALL ANCHORS INTO WOOD FRAMING (i.e. ANCHOR SHALL BE LOCATED IN CENTER OF STUD WHERE FASTENED TO NARROW FACE OF NOMINAL 2x FRAMING).
5. ENSURE 2-1/2" EDGE DISTANCE FOR ALL ANCHORS INTO CONCRETE OR HOLLOW BLOCK.
6. ENSURE 1/2" MINIMUM EDGE DISTANCE FOR ALL ANCHORS INTO STEEL STUDS.
7. MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK AND OTHER WALL FINISHES.
8. HOST STRUCTURE STRENGTH REQUIREMENTS:
  - 8.1. WOOD HOST STRUCTURE SHALL BE "HEM-FIR", "DOUGLAS FIR", "SOUTHERN PINE", "SPRUCE-PINE-FIR", OR ANY OTHER SPECIES WITH  $G = 0.42$  OR GREATER SPECIFIC GRAVITY.
  - 8.2. CONCRETE HOST STRUCTURE SHALL BE 2000 PSI OR GREATER.
  - 8.3. HOLLOW BLOCK (CMU) HOST STRUCTURE SHALL BE ASTM C90 LIGHT WEIGHT (DENSITY > 95 PCF) CMU OR GREATER.
  - 8.4. STEEL STUDS SHALL BE A MINIMUM 18 ga. THICKNESS AND SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI AND MINIMUM ULTIMATE STRENGTH OF 45 KSI.

### HOST STRUCTURE ANCHOR SCHEDULE:

1. 2X WOOD-FRAME WITH 15/32" MIN. PLYWOOD OR OSB SHEATHING HOST STRUCTURE:
  - 1.1. 11 ga. x 2" (3/8" HEAD DIAMETER MIN.) SMOOTH SHANK ROOFING NAILS WITH FULL PENETRATION IN HOST STRUCTURE SHEATHING.
  - 1.2. NO. 10 PH TAPPING (METAL) SCREWS WITH 1-1/2" MINIMUM EMBEDMENT INTO HOST STRUCTURE WOOD FRAMING STUDS AND FULL THREAD ENGAGEMENT INTO HOST STRUCTURE SHEATHING.
2. HOLLOW BLOCK OR CONCRETE HOST STRUCTURE:
  - 2.1. CONCRETE: 3/16" DIA. PH OF HWH TAPCONS (ADVANCED THREADFORM) WITH 1" MINIMUM EMBEDMENT AND 1-1/8" MINIMUM EDGE DISTANCE.
  - 2.2. HOLLOW BLOCK (CMU): 3/16" DIA. TAPCONS (ADVANCED THREADFORM) WITH 1" MINIMUM EMBEDMENT AND 2" MINIMUM EDGE DISTANCE.
  - 2.3. METALSTUD WITH 15/32" MIN. PLYWOOD OR OSB SHEATHING HOST STRUCTURE:
    - 2.3.1. NO. 10 PH TAPPING (METAL SCREWS) (#10-16 OR #10-24) WITH FULL THREAD ENGAGEMENT.

### DESIGN PRESSURE SCHEDULE

SCHEDULE BELOW PROVIDES ALLOWABLE NEGATIVE DESIGN PRESSURES  
NO LIMITATION APPLICABLE TO POSITIVE RESSURES

ANCHOR TYPE	ANCHOR SPACING	CEDAR PRIDE	HAND-SPLIT SHAKE	ROUGHSAWN CEDAR EZ	ROUGHSAWN SINGLE EZ	CAPE COD PERFECTION	SCALLOPED PERFECTION	HAND-LAID BRICK	HAND-CUT STONE	STACKED STONE
11 ga. x 2" ROOFING NAILS	2" OC	104 PSF	--- (1)	--- (1)	144 PSF	--- (1)	--- (1)	--- (1)	31.9 PSF	49.3 PSF
	3.5" OC	--- (1)	--- (1)	41.1 PSF	--- (1)	39.3 PSF	44.6 PSF	--- (1)	--- (1)	--- (1)
	4" OC	52 PSF	26.7 PSF	--- (1)	72 PSF	--- (1)	--- (1)	26.2 PSF	26.4 PSF	25.8 PSF
	6" OC	34.7 PSF	--- (1)	--- (1)	48 PSF	--- (1)	--- (1)	--- (1)	--- (2A)	--- (2)
#10 TAPPING SCREWS (NOTE 3)	2" OC	154.3 PSF	--- (1)	--- (1)	163.5 PSF	--- (1)	--- (1)	--- (1)	31.9 PSF	49.3 PSF
	3.5" OC	--- (1)	--- (1)	118.9 PSF	--- (1)	113.5 PSF	128.8 PSF	--- (1)	--- (1)	--- (1)
	4" OC	150.3 PSF	49.4 PSF	--- (1)	163.5 PSF	--- (1)	--- (1)	34.4 PSF	31.9 PSF	49.3 PSF
	6" OC	100.2 PSF	--- (1)	--- (1)	138.7 PSF	--- (1)	--- (1)	--- (1)	31.9 PSF	--- (2)
3/16" ITW TAPCONS	2" OC	154.3 PSF	--- (1)	--- (1)	163.5 PSF	--- (1)	--- (1)	--- (1)	31.9 PSF	49.3 PSF
	3.5" OC	--- (1)	--- (1)	118.9 PSF	--- (1)	113.5 PSF	128.8 PSF	--- (1)	--- (1)	--- (1)
	4" OC	150.3 PSF	49.4 PSF	--- (1)	163.5 PSF	--- (1)	--- (1)	34.4 PSF	31.9 PSF	49.3 PSF
	6" OC	100.2 PSF	--- (1)	--- (1)	138.7 PSF	--- (1)	--- (1)	--- (1)	31.9 PSF	--- (2)

### Notes:

- 1) LIMITATIONS DUE TO PROFILE'S ANCHOR SLOT SPACING.
- 2) LIMITATIONS DUE TO TESTED ANCHOR SPACING. 2A) LIMITATIONS DUE TO ANCHOR TYPE.
- 3) TAPPING SCREWS APPROVED FOR WOOD AND METAL SUBSTRATE INSTALLATION. WOOD SCREWS NOT RECOMMENDED FOR WOOD SUBSTRATE INSTALLATION DUE TO NOT BEING THREADED THEIR FULL LENGTH.

PROJECT NO. 413-0812

EXTERIA BUILDING PRODUCTS  
1111 NW 165TH ST.  
MIAMI, FL 33169

TITLE: EXTERIOR WALL CLADDING  
POLYPROPYLENE SIDING (VARIOUS PROFILES)

DATE: 10/7/13

DRAWING NO: EXT1001

SHEET: 1 OF 10

DRAWN BY: RJA

SCALE: N.T.S.

REV: 0

PREPARED BY:

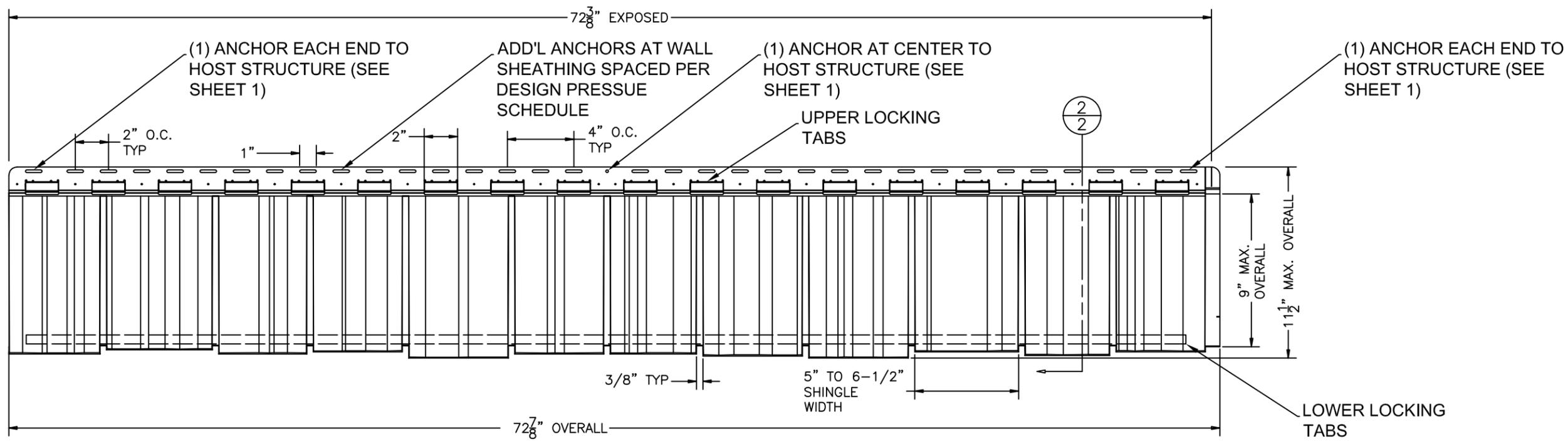
PTC Product Design Group, LLC

PO Box 520715

Longwood, FL 32752-0715

TEXAS REG. NO. F-13740  
Email: info@ptc-corp.com

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Texas PE No. 80817



1  
2

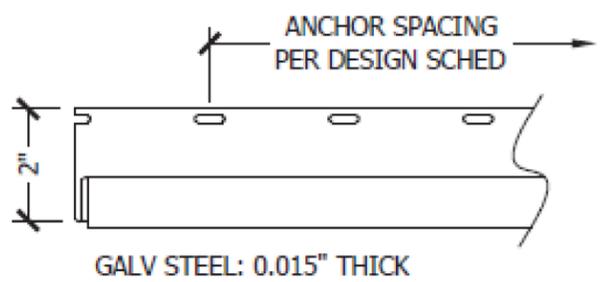
**CEDAR PRIDE**  
EXTERIOR ELEVATION

NOMINAL THICKNESS: 0.090"

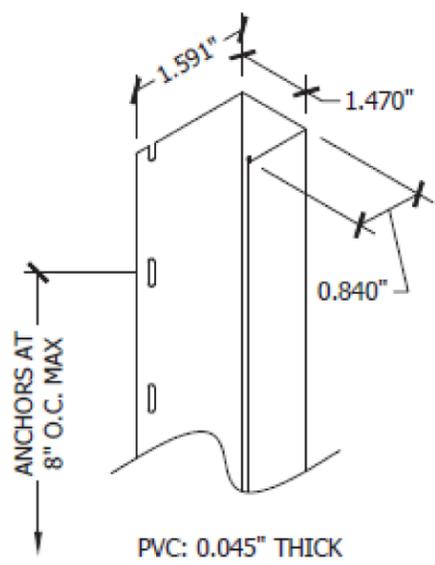
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- 15% TALC (UNPAINTED)
- 30% CALCIUM CARBONATE (PAINTED)

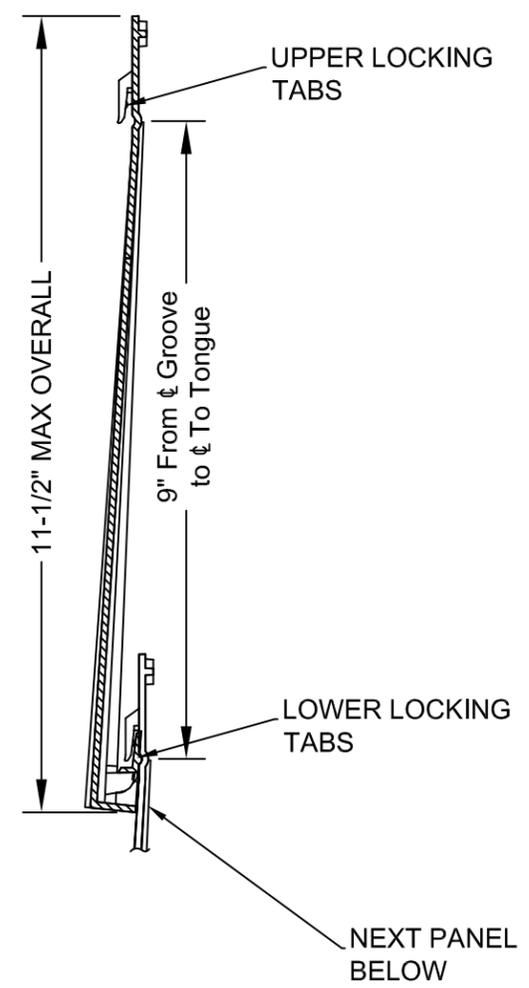
**ALTERNATE SHINGLE PATTERNS AVAILABLE**



**STARTER STRIP AT BOTTOM PANEL ROW**  
ISOMETRIC



**"J" CHANNEL (1-1/8") AT WALL ENDS**  
ISOMETRIC



2  
2

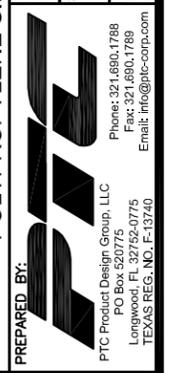
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VERTICAL SECTION

PROJECT NO. 413-0812

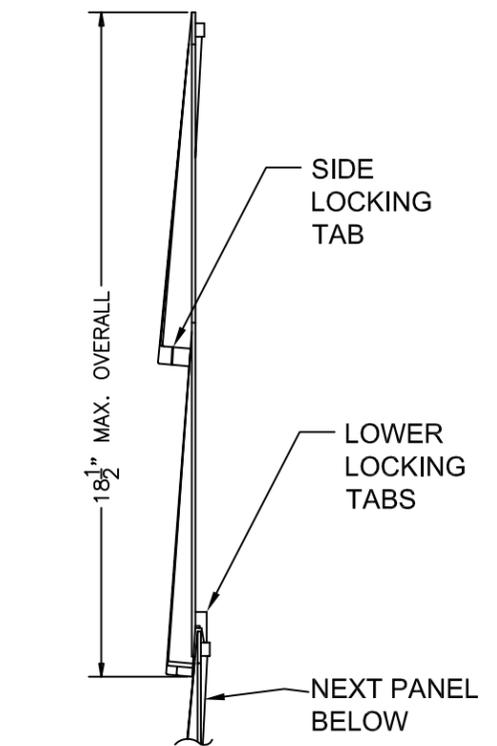
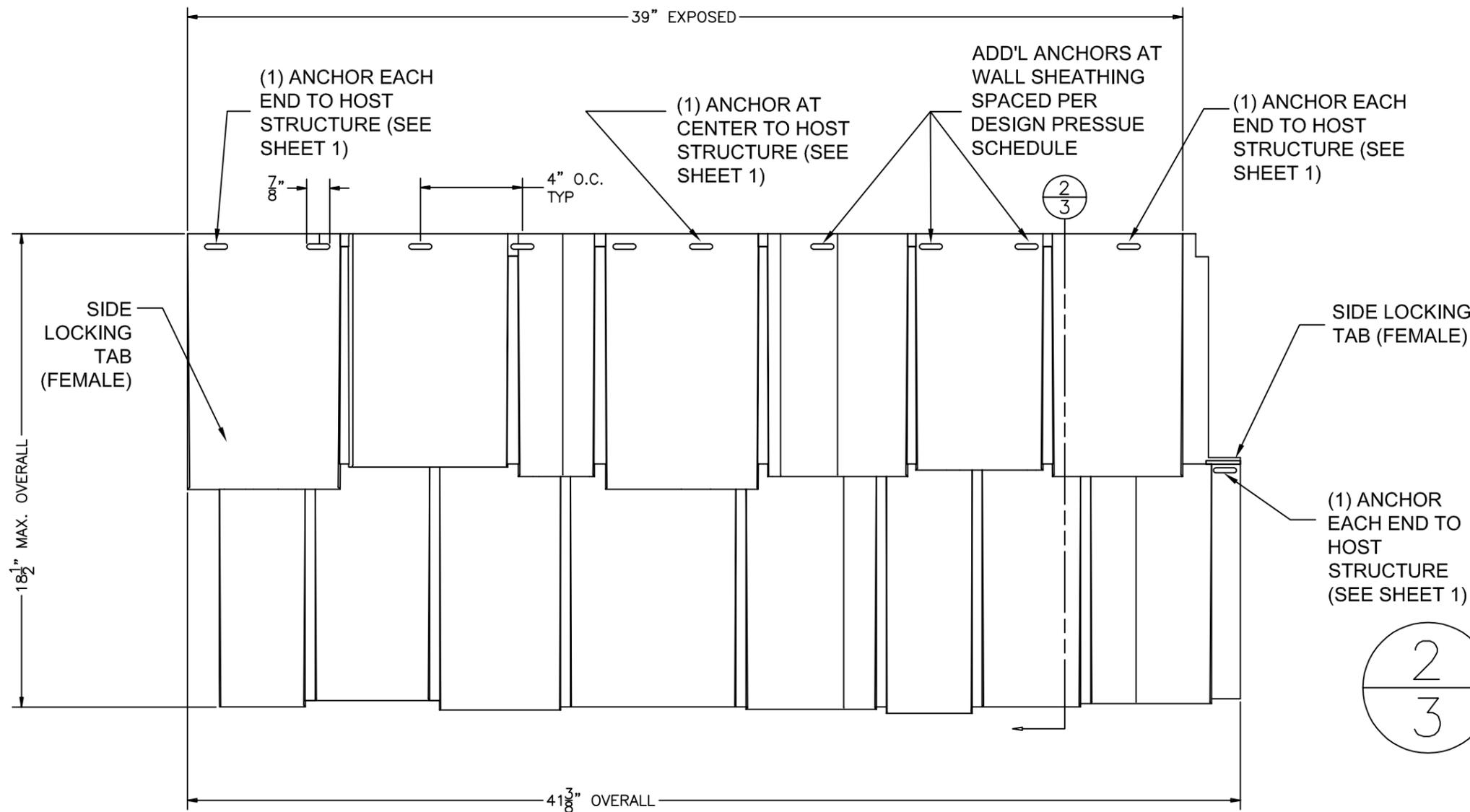
EXTERIA BUILDING PRODUCTS  
1111 NW 165TH ST.  
MIAMI, FL 33169

TITLE: EXTERIOR WALL CLADDING  
POLYPROPYLENE SIDING (VARIOUS PROFILES)

DATE:	10/7/13
DRAWING NO.:	EXT1001
DRAWN BY:	RJA
SCALE:	N.T.S.
REV:	0
SHEET:	2 OF 10



Robert J. Amoruso, P.E.  
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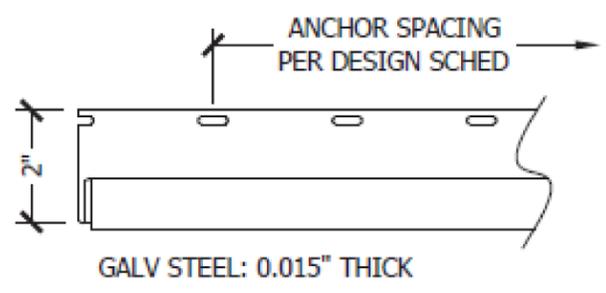
**TYPICAL SECTION**  
VERTICAL SECTION

1 / 3 **HAND SPLIT SHAKE**  
EXTERIOR ELEVATION

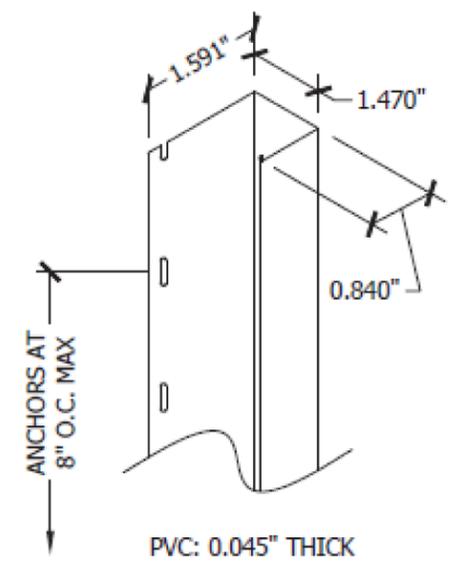
NOMINAL THICKNESS: 0.090"

**FILLER OPTIONS**

- 15% TALC (UNPAINTED)
- 30% CALCIUM CARBONATE (PAINTED)
- 40% CALCIUM CARBONATE (PAINTED)



**STARTER STRIP AT BOTTOM PANEL ROW**  
ISOMETRIC



**"J" CHANNEL (1-1/8") AT WALL ENDS**  
ISOMETRIC

PROJECT NO. 413-0812

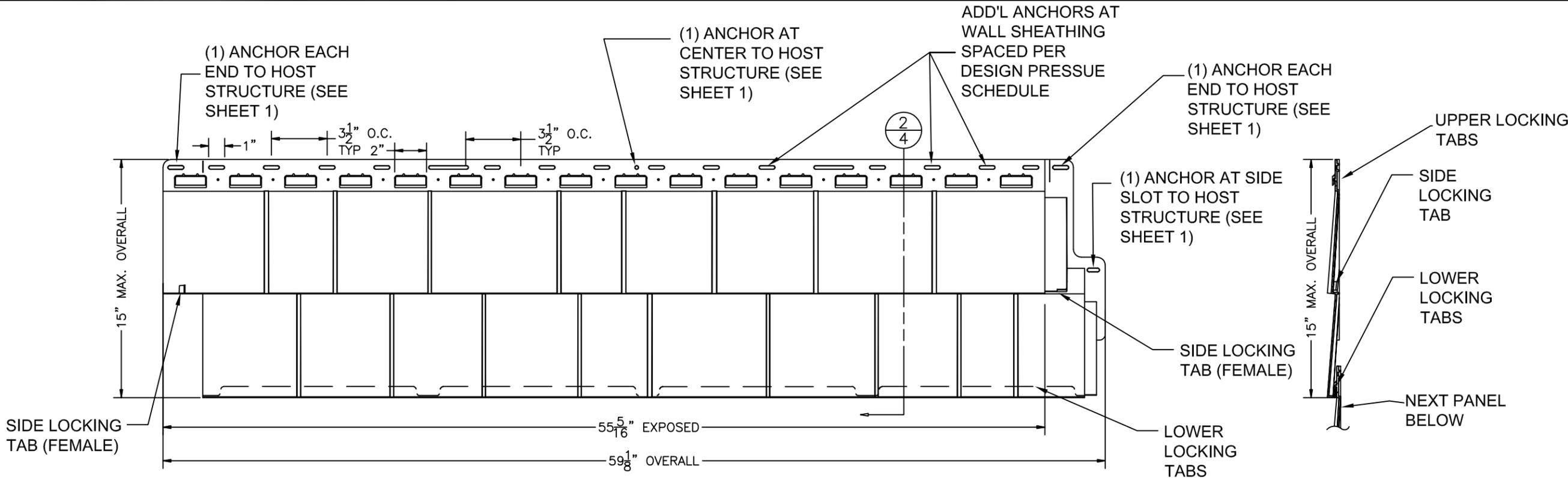
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POLYPROPYLENE SIDING (VARIOUS PROFILES)

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DRAWN BY:	RJA	DRAWING NO.:	EXT1001
SCALE:	N.T.S.	SHEET:	3 OF 10
REV:	0	REV:	

PTC Product Design Group, LLC  
P.O. Box 520775  
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Fax: 321.690.1789  
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TEXAS REG. NO. F-13740

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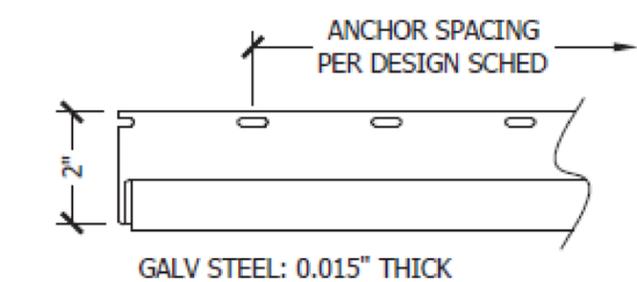
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**ROUGHSAWN CEDAR EZ**  
EXTERIOR ELEVATION

NOMINAL THICKNESS: 0.090"

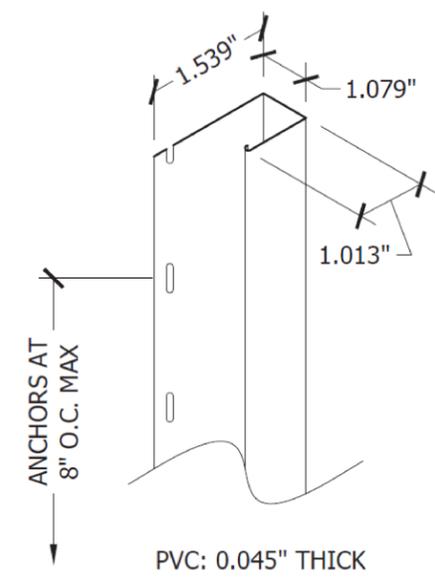
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4  
**TYPICAL SECTION**  
VERTICAL SECTION

**FILLER OPTIONS**

- 15% TALC (UNPAINTED)
- 40% CALCIUM CARBONATE (PAINTED)



**STARTER STRIP AT  
BOTTOM PANEL ROW**  
ISOMETRIC

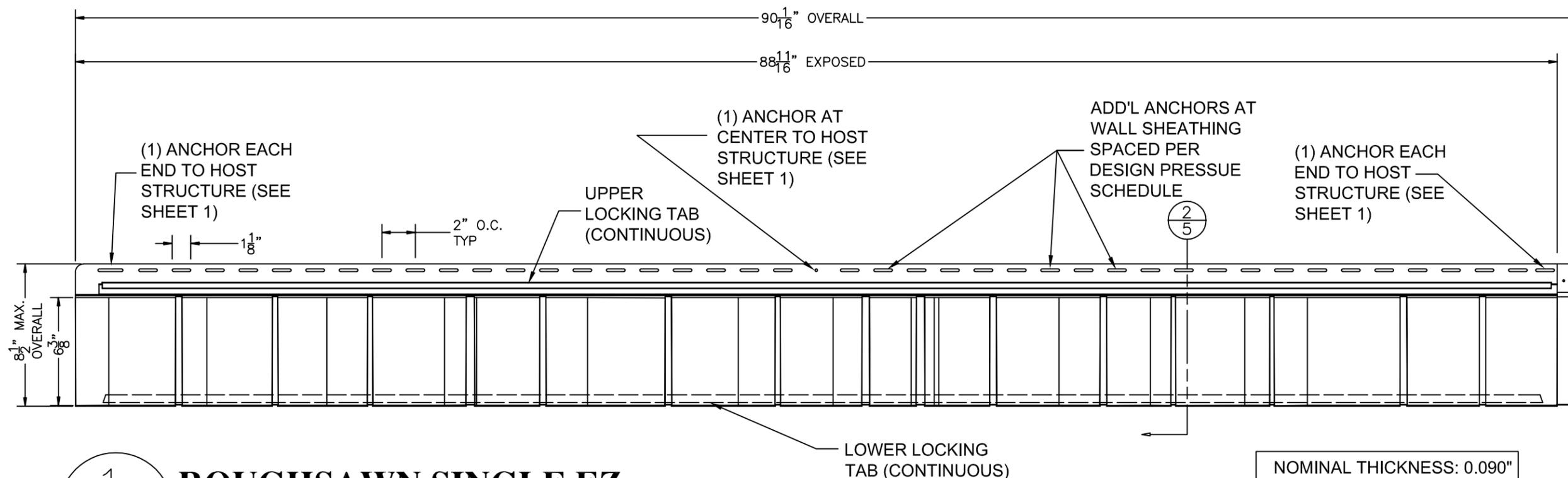


**"J" CHANNEL (3/4") AT  
WALL ENDS**  
ISOMETRIC

PROJECT NO. 413-0812		DATE	BY
EXTERIA BUILDING PRODUCTS 1111 NW 165TH ST. MIAMI, FL 33169		DESCRIPTION	REV
TITLE: EXTERIOR WALL CLADDING POLYPROPYLENE SIDING (VARIOUS PROFILES)		DATE: 10/7/13	DRAWING NO: EXT1001
PREPARED BY: RJA	SCALE: N.T.S.	SHEET: 0	4 OF 10
PTC Product Design Group, LLC P.O. Box 520775 Longwood, FL 32752-0775 Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com		TEXAS REG. NO. F-13740	



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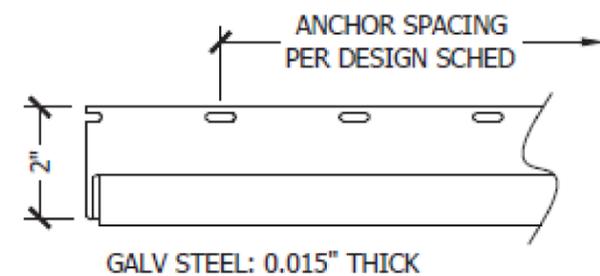
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**ROUGHSAWN SINGLE EZ**  
EXTERIOR ELEVATION

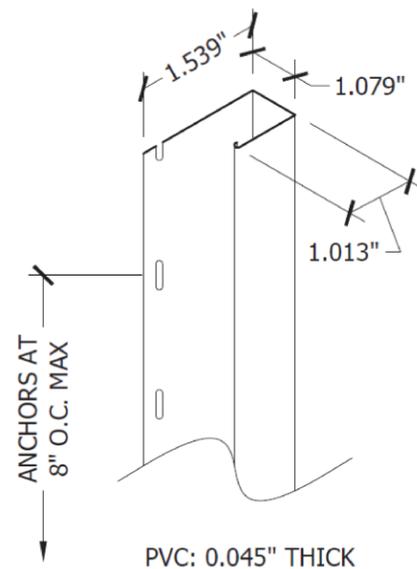
**FILLER OPTIONS**

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- 40% CALCIUM CARBONATE (PAINTED)

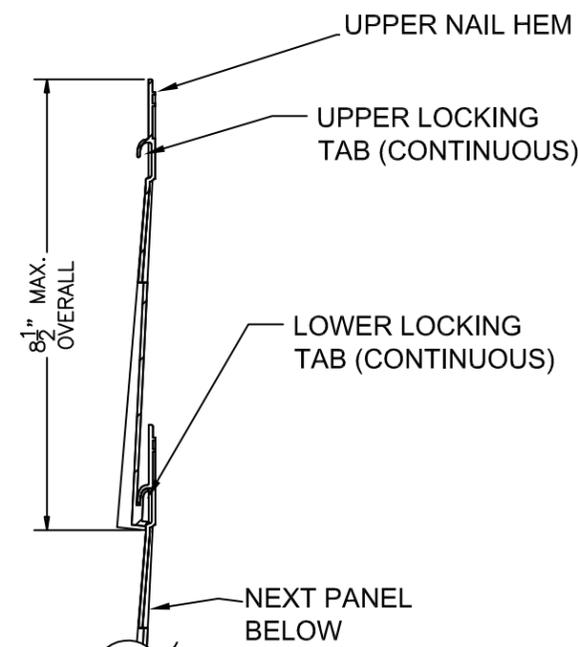
NOMINAL THICKNESS: 0.090"



**STARTER STRIP AT  
BOTTOM PANEL ROW**  
ISOMETRIC



**"J" CHANNEL (3/4") AT  
WALL ENDS**  
ISOMETRIC



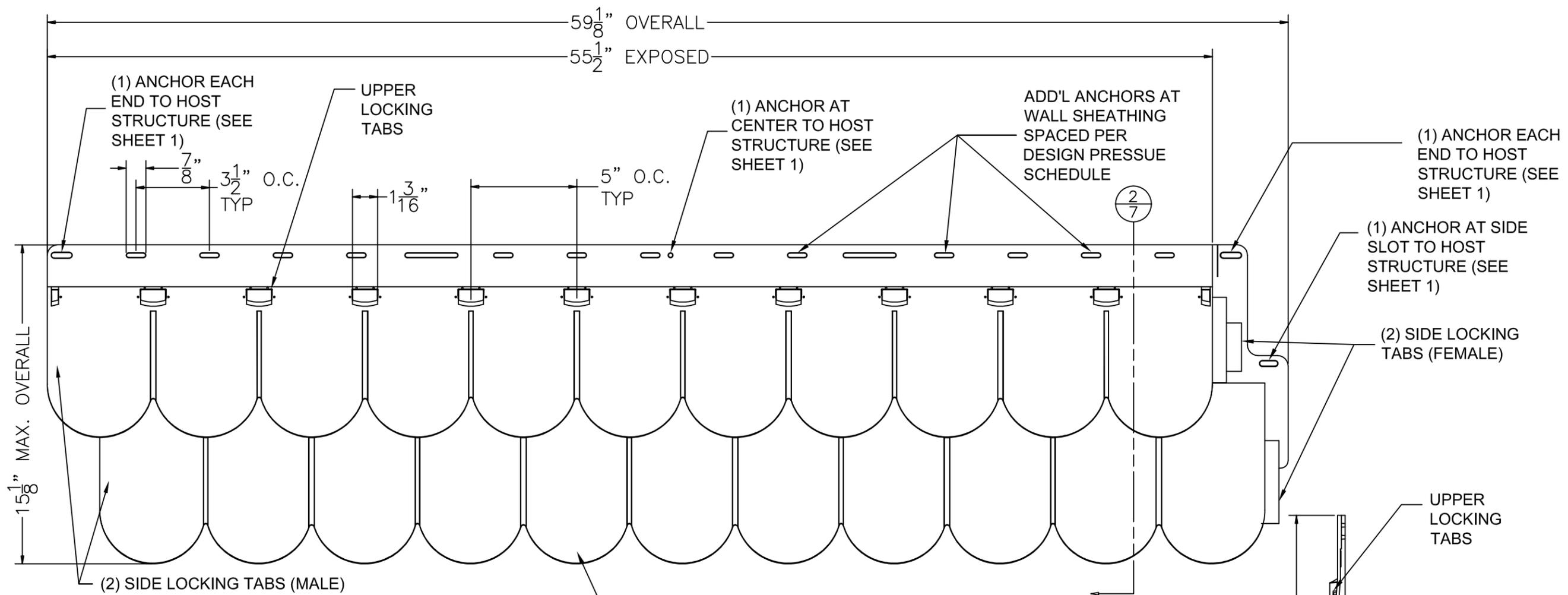
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**TYPICAL SECTION**  
VERTICAL SECTION

PROJECT NO. 413-0812					
EXTERIA BUILDING PRODUCTS 1111 NW 165TH ST. MIAMI, FL 33169	EXTERIOR WALL CLADDING POLYPROPYLENE SIDING (VARIOUS PROFILES)	DATE:	10/7/13	DRAWING NO.:	EXT1001
		DRAWN BY:	RJA	SCALE:	N.T.S.
		REV:	0	SHEET:	5 OF 10

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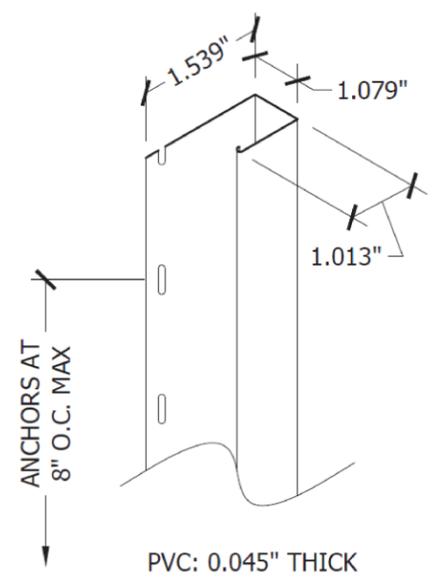


**1**  
**SCALLOPED PERFECTION**  
EXTERIOR ELEVATION

NOMINAL THICKNESS: 0.090"

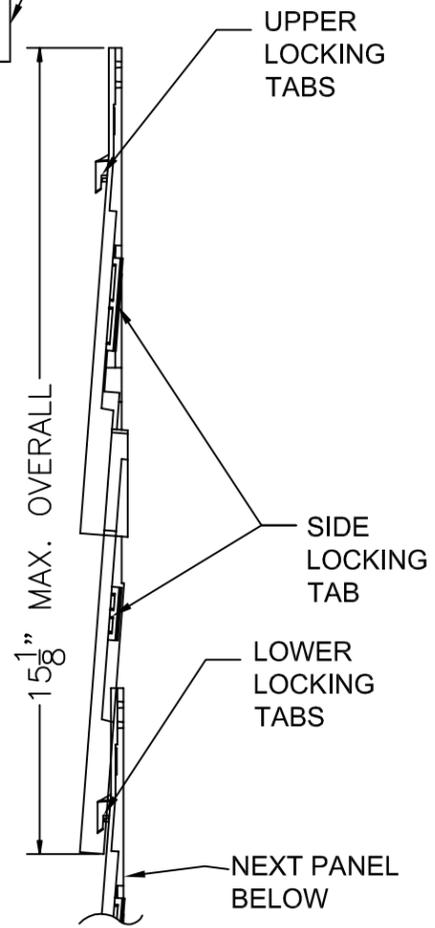
**FILLER OPTIONS**

- 15% TALC (UNPAINTED)
- 40% CALCIUM CARBONATE (PAINTED)



**"J" CHANNEL (3/4") AT WALL ENDS**  
ISOMETRIC

**2**  
**TYPICAL SECTION**  
VERTICAL SECTION

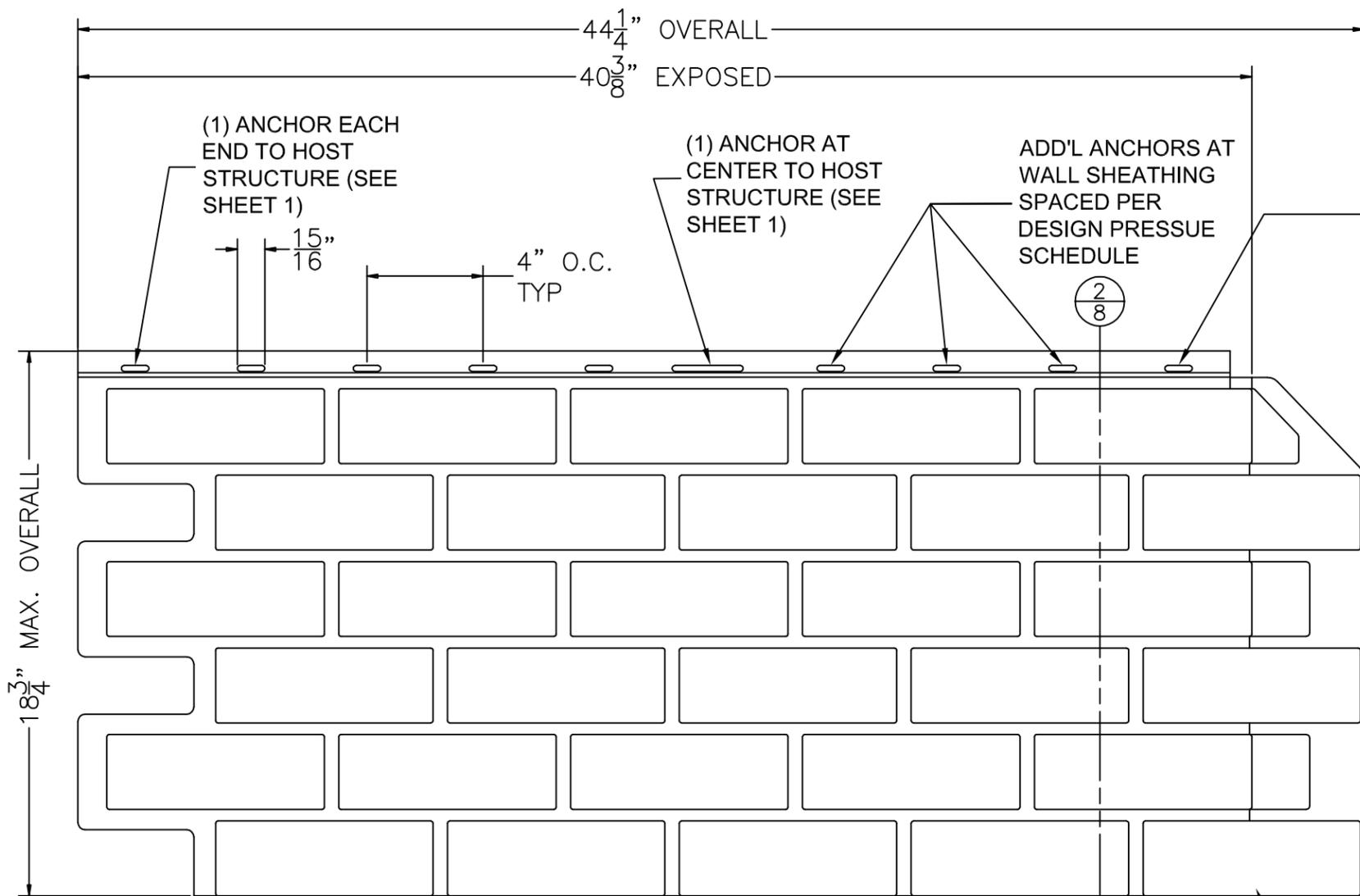


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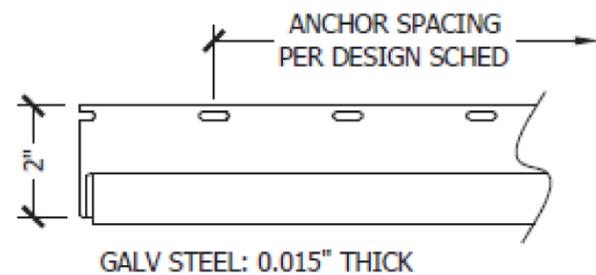
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	DRAWING NO.:	EXT1001	REV:	
PREPARED BY:	RJA	SCALE:	N.T.S.	SHEET:
PTC Product Design Group, LLC P.O. Box 520775 Longwood, FL 32752-0775 Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com	0		7 OF 10	

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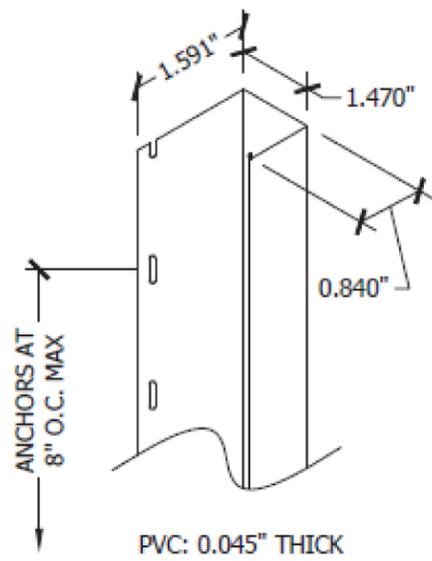


1  
8

**HAND-LAID BRICK**  
EXTERIOR ELEVATION

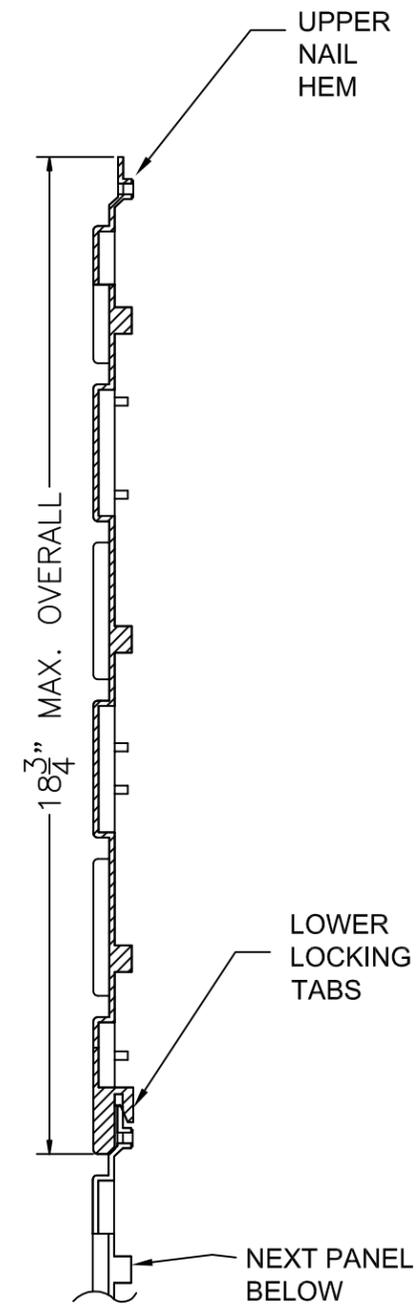


**STARTER STRIP AT BOTTOM PANEL ROW**  
ISOMETRIC



**"J" CHANNEL (1-1/8") AT WALL ENDS**  
ISOMETRIC

LOWER LOCKING TABS



2  
8

**TYPICAL SECTION**  
VERTICAL SECTION

**FILLER OPTIONS**

- 15% TALC (UNPAINTED)
- 40% CALCIUM CARBONATE (PAINTED)

NOMINAL THICKNESS: 0.090"

PROJECT NO. 413-0812

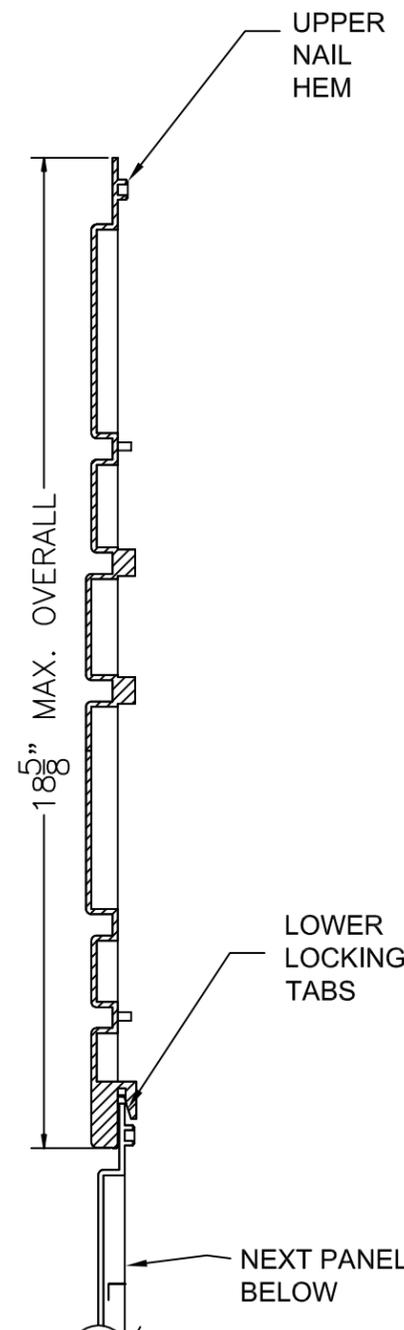
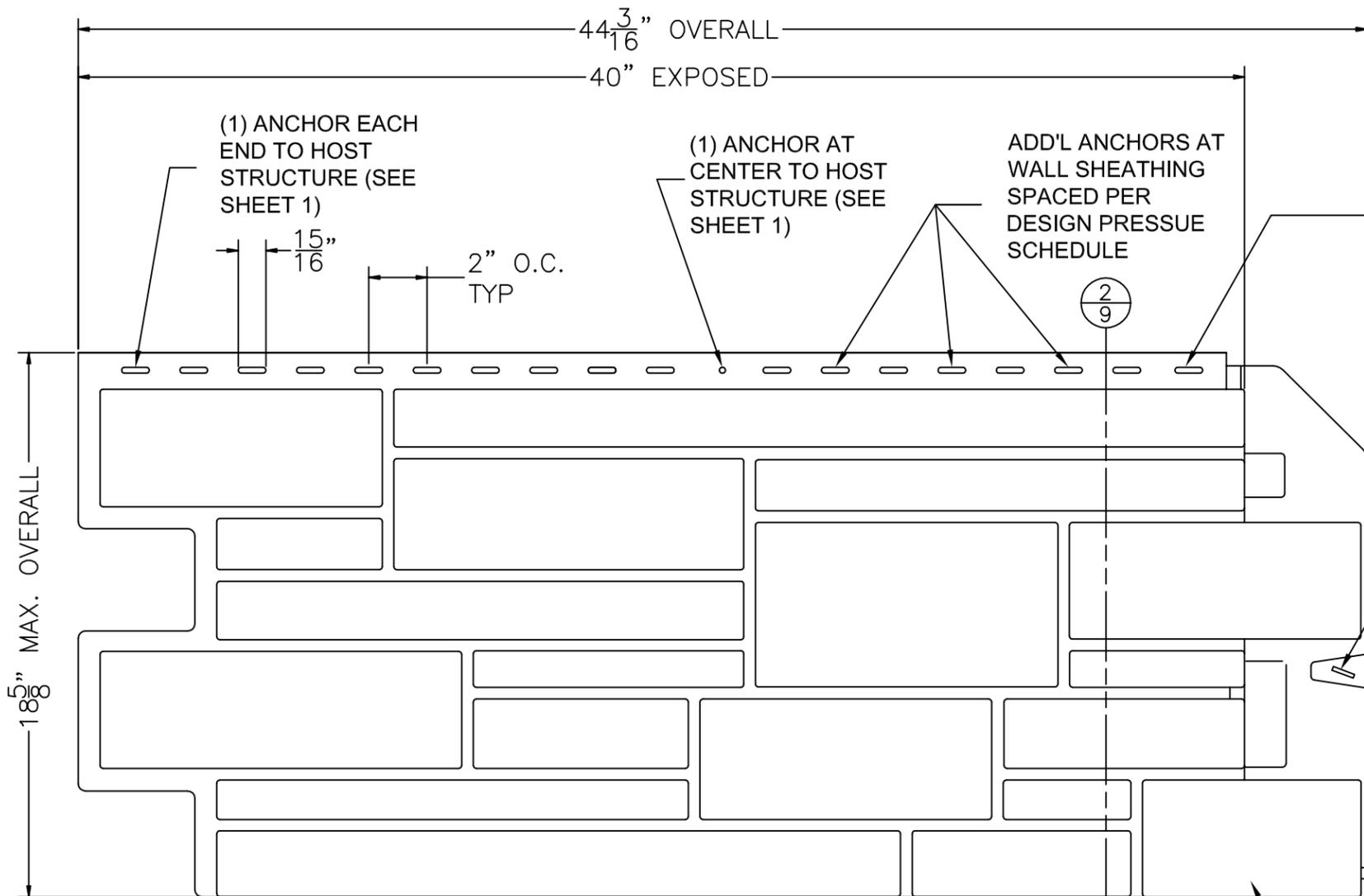
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1111 NW 165TH ST.  
MIAMI, FL 33169

TITLE: EXTERIOR WALL CLADDING  
POLYPROPYLENE SIDING (VARIOUS PROFILES)

DATE:	10/7/13
DRAWING NO.:	EXT1001
DRAWN BY:	RJA
SCALE:	N.T.S.
REV:	0
SHEET:	8 OF 10

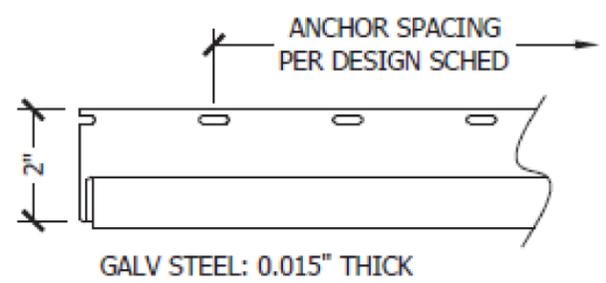
PTC Product Design Group, LLC  
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TEXAS REG. NO. F-13740

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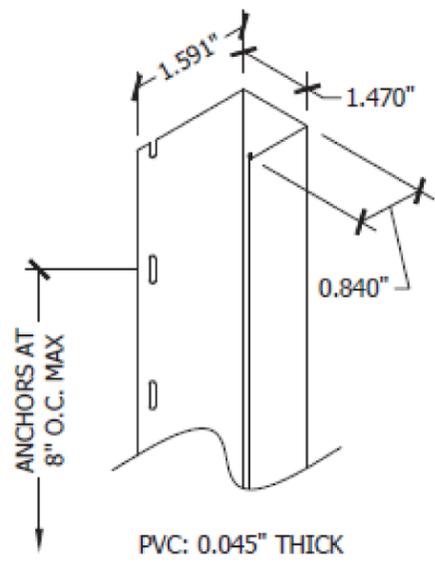


1  
9

**HAND-CUT STONE**  
EXTERIOR ELEVATION



**STARTER STRIP AT BOTTOM PANEL ROW**  
ISOMETRIC



**"J" CHANNEL (1-1/8") AT WALL ENDS**  
ISOMETRIC

2  
9

**TYPICAL SECTION**  
VERTICAL SECTION

**FILLER OPTIONS**

- 15% TALC (UNPAINTED)
- 40% CALCIUM CARBONATE (PAINTED)

NOMINAL THICKNESS: 0.090"

PROJECT NO. 413-0812

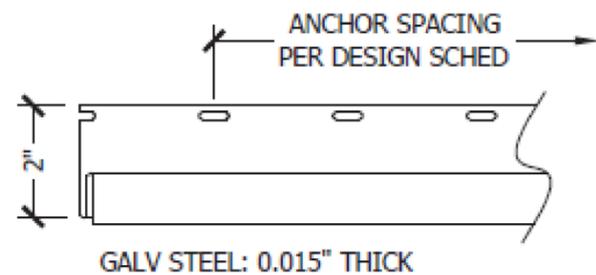
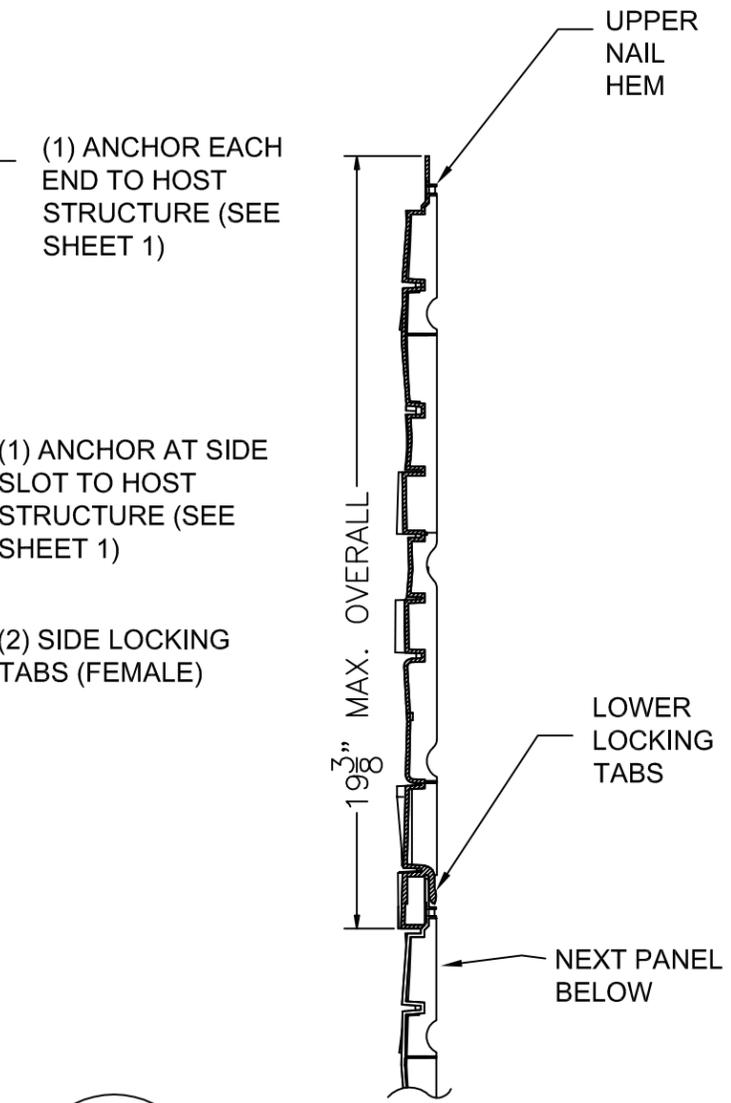
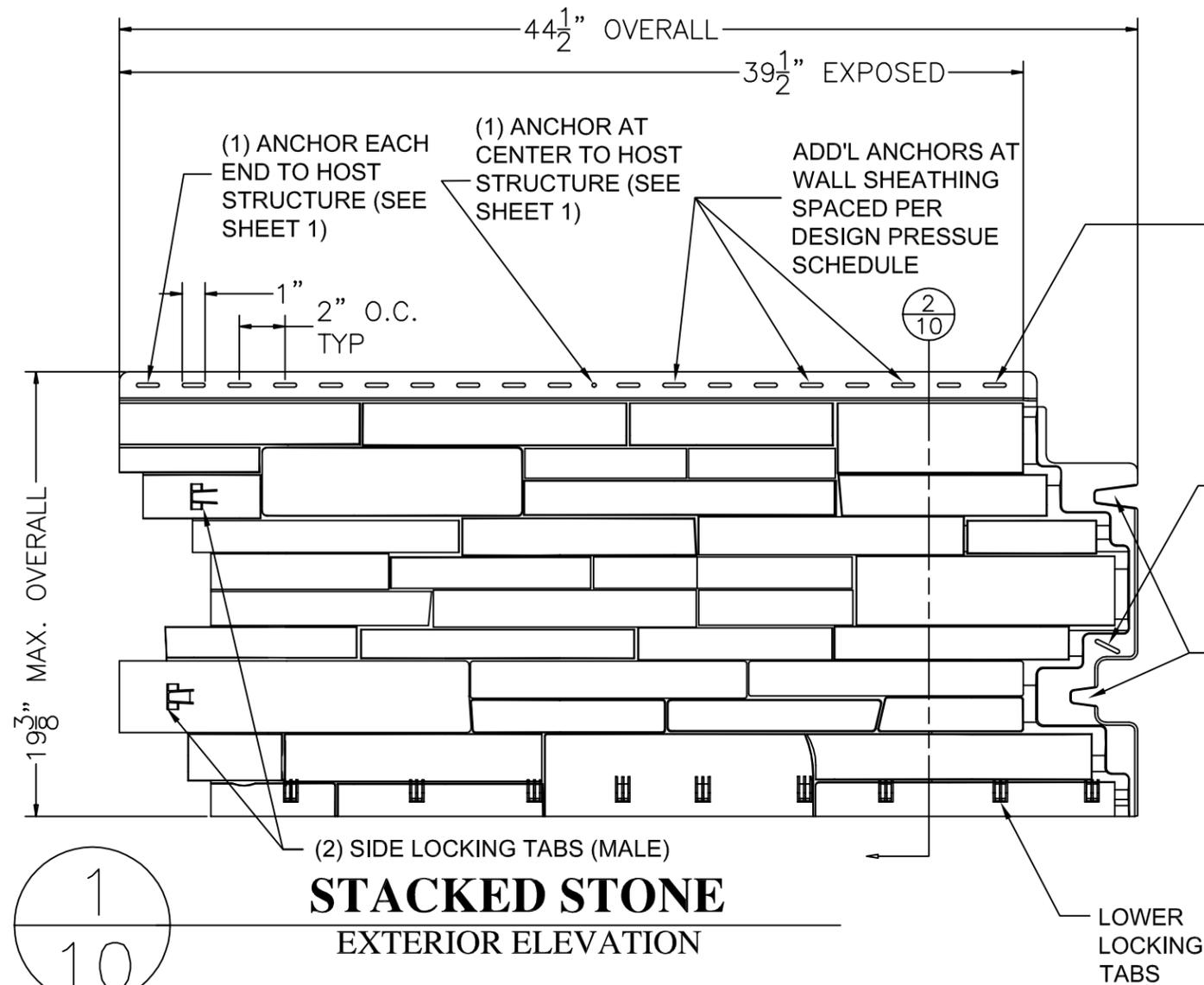
EXTERIA BUILDING PRODUCTS  
1111 NW 165TH ST.  
MIAMI, FL 33169

TITLE: EXTERIOR WALL CLADDING  
POLYPROPYLENE SIDING (VARIOUS PROFILES)

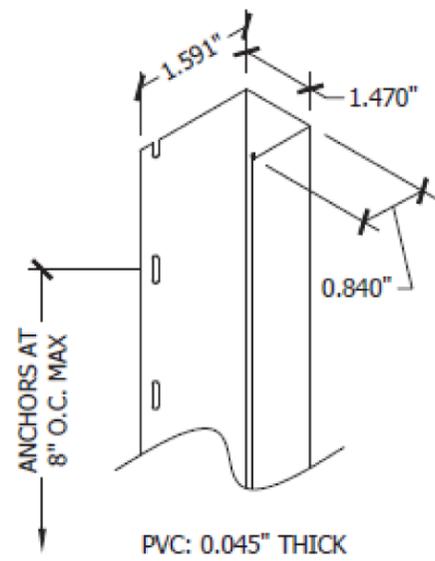
PREPARED BY: RJA  
SCALE: N.T.S.  
DATE: 10/7/13  
DRAWING NO: EXT1001  
SHEET: 9 OF 10  
REV: 0

PTC Product Design Group, LLC  
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TEXAS REG. NO. F-13740

Robert J. Amoruso, P.E.  
Texas PE No. 80817



**STARTER STRIP AT  
BOTTOM PANEL ROW**  
ISOMETRIC



**"J" CHANNEL (1-1/8")  
AT WALL ENDS**  
ISOMETRIC

**FILLER OPTIONS**

- 15% TALC (UNPAINTED)
- 40% CALCIUM CARBONATE (PAINTED)

NOMINAL THICKNESS: 0.090"

PROJECT NO. 413-0812

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