

DERBY BUILDING PRODUCTS LLC

POLYPROPYLENE SIDING

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

- THE SYSTEM DEPICTED HEREIN HAS BEEN TESTED & EVALUATED IN ACCORDANCE WITH THE 2006 INTERNATIONAL BUILDING AND 2006 RESIDENTIAL CODE WITH TEXAS SPECIFIC AMENDMENTS.
- 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.
- 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.
- PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS.
- ALL SIDING PANELS SHALL BE FABRICATED FROM POLYPROPYLENE WITH FILLER AS SPECIFIED FOR EACH PROFILE AND NOMINAL THICKNESS $t=0.090"$.
- PRODUCT BOX OR CONTAINER SHALL BE LABELED WITH THE TDI PRODUCT APPROVAL NUMBER IN ADDITION TO MANUFACTURER'S INFORMATION: DERBY BUILDING PRODUCTS LLC, MIAMI, FL.
- SIDING PANELS SHALL BE INSTALLED ON VERTICAL WALLS OR OTHER SURFACES WITH SLOPE GREATER THAN 45:12.
- SIDING PANELS SHALL BE INSTALLED ON A SMOOTH, FLAT SURFACE AS FOLLOWS.
 - 2X WOOD-FRAME WITH 15/32" MIN. PLYWOOD OR OSB SHEATHING HOST STRUCTURE .
 - HOLLOW-BLOCK OF CONCRETE HOST STRUCTURE.
 - METAL STUD WITH 15/32" MIN. PLYWOOD OR OSB SHEATHING HOST STRUCTURE .
 - AREAS BETWEEN FURRING STRIPS (WHERE USED) SHALL BE FILLED TO ENSURE A SMOOTH, FLAT SURFACE.
- THIS SYSTEM DOES NOT PROVIDE WEATHER RESISTANCE AND SHALL BE INSTALLED OVER A WEATHER RESISTANT BARRIER SYSTEM IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS.
- ALL NAILS AND SCREWS SHALL BE GALVANIZED STEEL OR STAINLESS STEEL WITH A MINIMUM TENSILE YIELD STRENGTH OF 60 KSI.
- PLASTIC COMPONENTS SATISFY ALL APPLICABLE FIRE/SMOKE/UV PERFORMANCE REQUIREMENTS AS SET FORTH IN THE ABOVE NOTED BUILDING CODE.

ANCHOR NOTES:

- 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.
- ENSURE THAT ALL LOCKING TABS ARE PROPERLY ENGAGED WITH ADJACENT PANELS PRIOR TO INSTALLING ANCHORS.
- NOT USED.
- 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).
- ENSURE 2-1/2" EDGE DISTANCE FOR ALL ANCHORS INTO CONCRETE OR HOLLOW BLOCK.
- ENSURE 1/2" MINIMUM EDGE DISTANCE FOR ALL ANCHORS INTO STEEL STUDS.
- MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK AND OTHER WALL FINISHES.
- HOST STRUCTURE STRENGTH REQUIREMENTS:
 - 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.
 - CONCRETE HOST STRUCTURE SHALL BE 2000 PSI OR GREATER.
 - HOLLOW BLOCK (CMU) HOST STRUCTURE SHALL BE ASTM C90 LIGHT WEIGHT (DENSITY > 95 PCF) CMU OR GREATER.
 - 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:

- 2X WOOD-FRAME WITH 15/32" MIN. PLYWOOD OR OSB SHEATHING HOST STRUCTURE:
 - 11 ga. x 2" (3/8" HEAD DIAMETER MIN.) SMOOTH SHANK ROOFING NAILS WITH FULL PENETRATION IN HOST STRUCTURE SHEATHING.
 - 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.
- HOLLOW BLOCK OR CONCRETE HOST STRUCTURE:
 - CONCRETE: 3/16" DIA. PH OF HWH TAPCONS (ADVANCED THREADFORM) WITH 1" MINIMUM EMBEDMENT AND 1-1/8" MINIMUM EDGE DISTANCE.
 - HOLLOW BLOCK (CMU): 3/16" DIA. TAPCONS (ADVANCED THREADFORM) WITH 1" MINIMUM EMBEDMENT AND 2" MINIMUM EDGE DISTANCE.
 - METALSTUD WITH 15/32" MIN. PLYWOOD OR OSB SHEATHING HOST STRUCTURE:
 - 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	TANDOSHAKE™ RUSTIC CEDAR 9	TANDOSHAKE™ HAND-SPLIT SHAKE	TANDOSHAKE™ ROUGHSAWN CEDAR DUAL	TANDOSHAKE™ ROUGHSAWN CEDAR SINGLE	TANDOSHAKE™ R&R 4.5"	TANDOSHAKE™ SCALLOPED PERFECTION	TANDOSHAKE™ BRICK	TANDOSTONE™ HAND-CUT STONE OR TANDOSTONE™ CRAFTSMAN CUT STONE	TANDOSTONE™ STACKED STONE OR NOVIKSTONE™ MS	TANDOSTONE™ CREEK LEDGESTONE OR NOVIKSTONE™ CS
11 ga. x 2" ROOFING NAILS	2" OC	104 PSF	--- (1)	--- (1)	144 PSF	--- (1)	--- (1)	--- (1)	31.9 PSF	49.3 PSF	55.5 PSF
	3.5" OC	--- (1)	--- (1)	41.1 PSF	--- (1)	39.3 PSF	44.6 PSF	--- (1)	--- (1)	--- (1)	--- (1)
	4" OC	52 PSF	26.7 PSF	--- (1)	72 PSF	--- (1)	--- (1)	26.2 PSF	26.4 PSF	25.8 PSF	55.5 PSF
	6" OC	34.7 PSF	--- (1)	--- (1)	48 PSF	--- (1)	--- (1)	--- (1)	--- (2A)	--- (2)	55.5 PSF
#10 TAPPING SCREWS (NOTE 3)	2" OC	154.3 PSF	--- (1)	--- (1)	163.5 PSF	--- (1)	--- (1)	--- (1)	31.9 PSF	49.3 PSF	55.5 PSF
	3.5" OC	--- (1)	--- (1)	118.9 PSF	--- (1)	113.5 PSF	128.8 PSF	--- (1)	--- (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	55.5 PSF
	6" OC	100.2 PSF	--- (1)	--- (1)	138.7 PSF	--- (1)	--- (1)	--- (1)	31.9 PSF	--- (2)	55.5 PSF
3/16" ITW TAPCONS	2" OC	154.3 PSF	--- (1)	--- (1)	163.5 PSF	--- (1)	--- (1)	--- (1)	31.9 PSF	49.3 PSF	55.5 PSF
	3.5" OC	--- (1)	--- (1)	118.9 PSF	--- (1)	113.5 PSF	128.8 PSF	--- (1)	--- (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	55.5 PSF
	6" OC	100.2 PSF	--- (1)	--- (1)	138.7 PSF	--- (1)	--- (1)	--- (1)	31.9 PSF	--- (2)	55.5 PSF

Notes:

- LIMITATIONS DUE TO PROFILE'S ANCHOR SLOT SPACING.
- LIMITATIONS DUE TO TESTED ANCHOR SPACING. 2A) LIMITATIONS DUE TO ANCHOR TYPE.
- 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. 418-0502

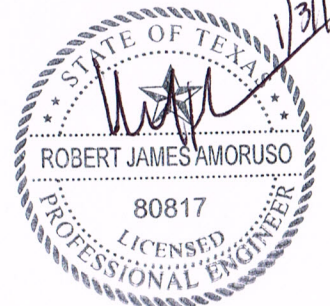
DERBY BUILDING PRODUCTS LLC
1111 NW 165TH ST.
MIAMI, FL 33169

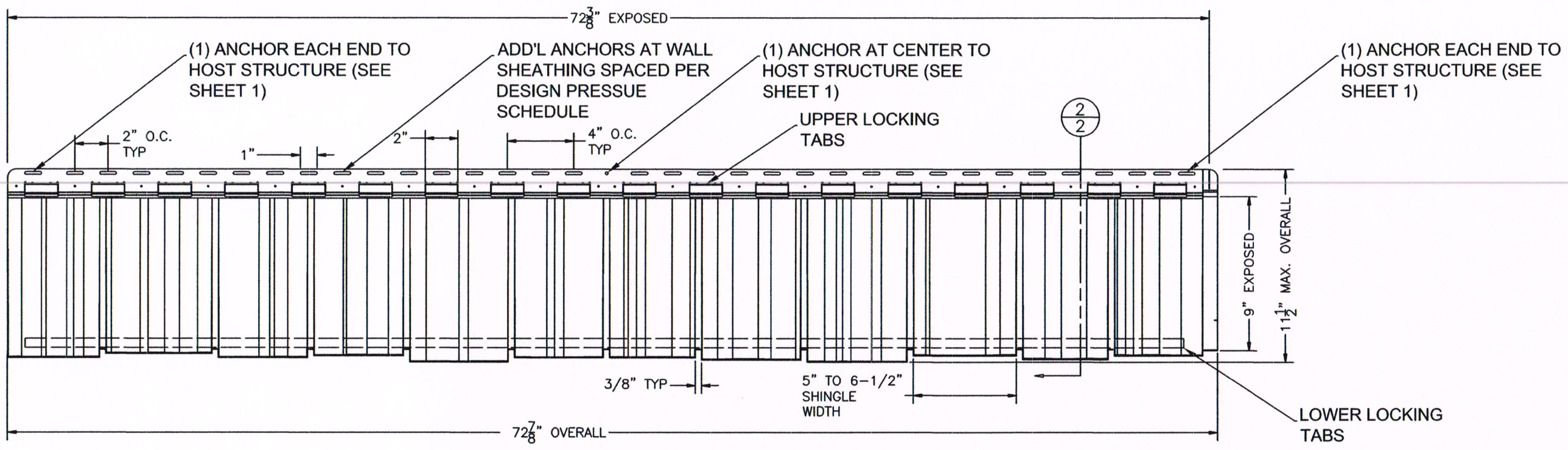
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DATE: 6/22/18
DRAWING NO: DERBY1001
SHEET: 1 OF 11
DRAWN BY: RJA
SCALE: N.T.S.
REV: ---

PTC Product Design Group, LLC
PO Box 6070
Lubbock, TX 79409-0775
Texas REG. NO. F-13740
Phone: 321.690.1788
Fax: 321.690.1789
Email: info@ptc-corp.com

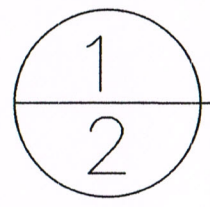
Robert J. Amoruso, P.E.
Texas PE No. 80817



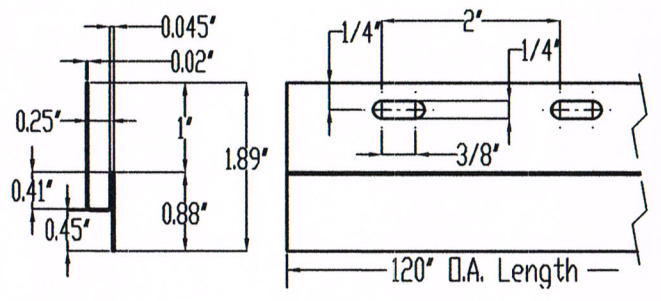


NOMINAL THICKNESS: 0.090"

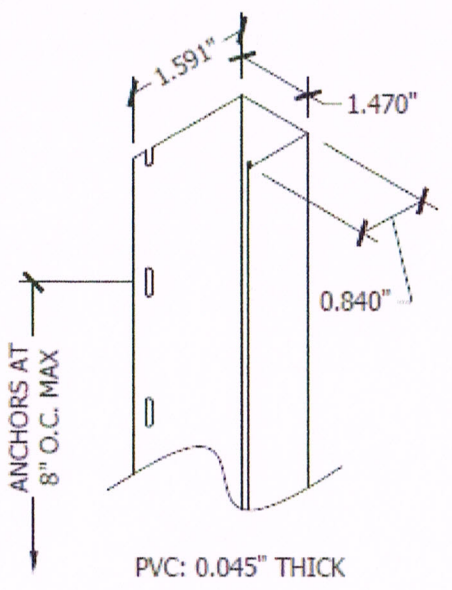
**TANDOSTONE™ RUSTIC
CEDAR 9**
EXTERIOR ELEVATION



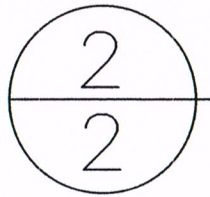
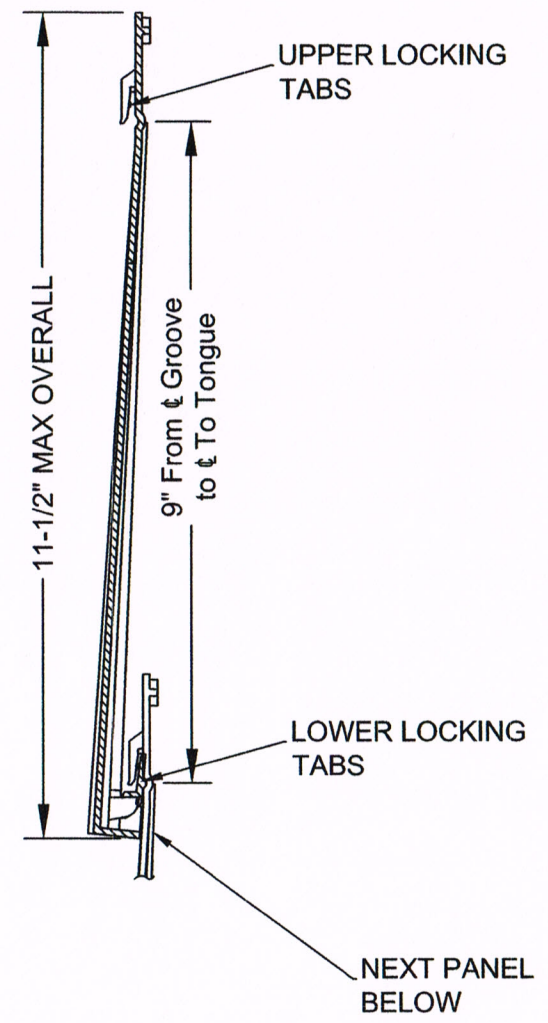
ALTERNATE SHINGLE
PATTERNS AVAILABLE



**STARTER STRIP AT
BOTTOM PANEL ROW**
ISOMETRIC



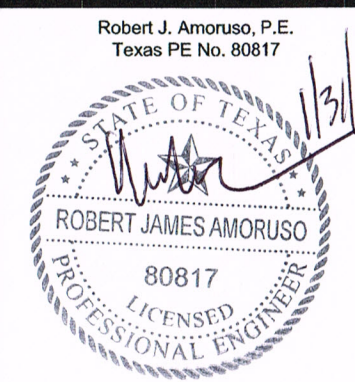
**"J" CHANNEL (1-1/8") AT
WALL ENDS**
ISOMETRIC

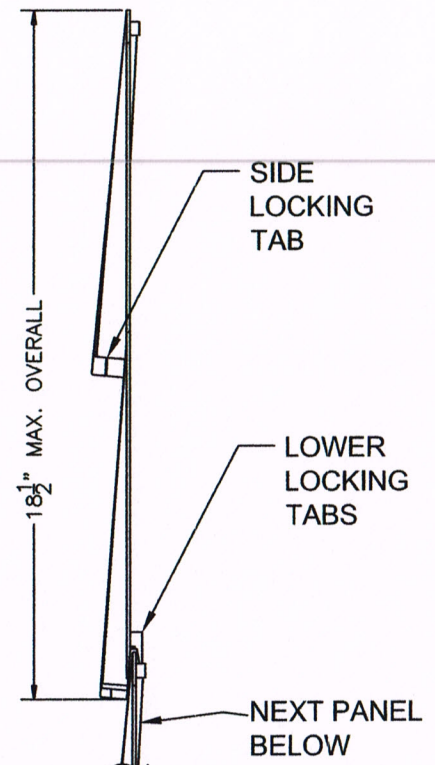
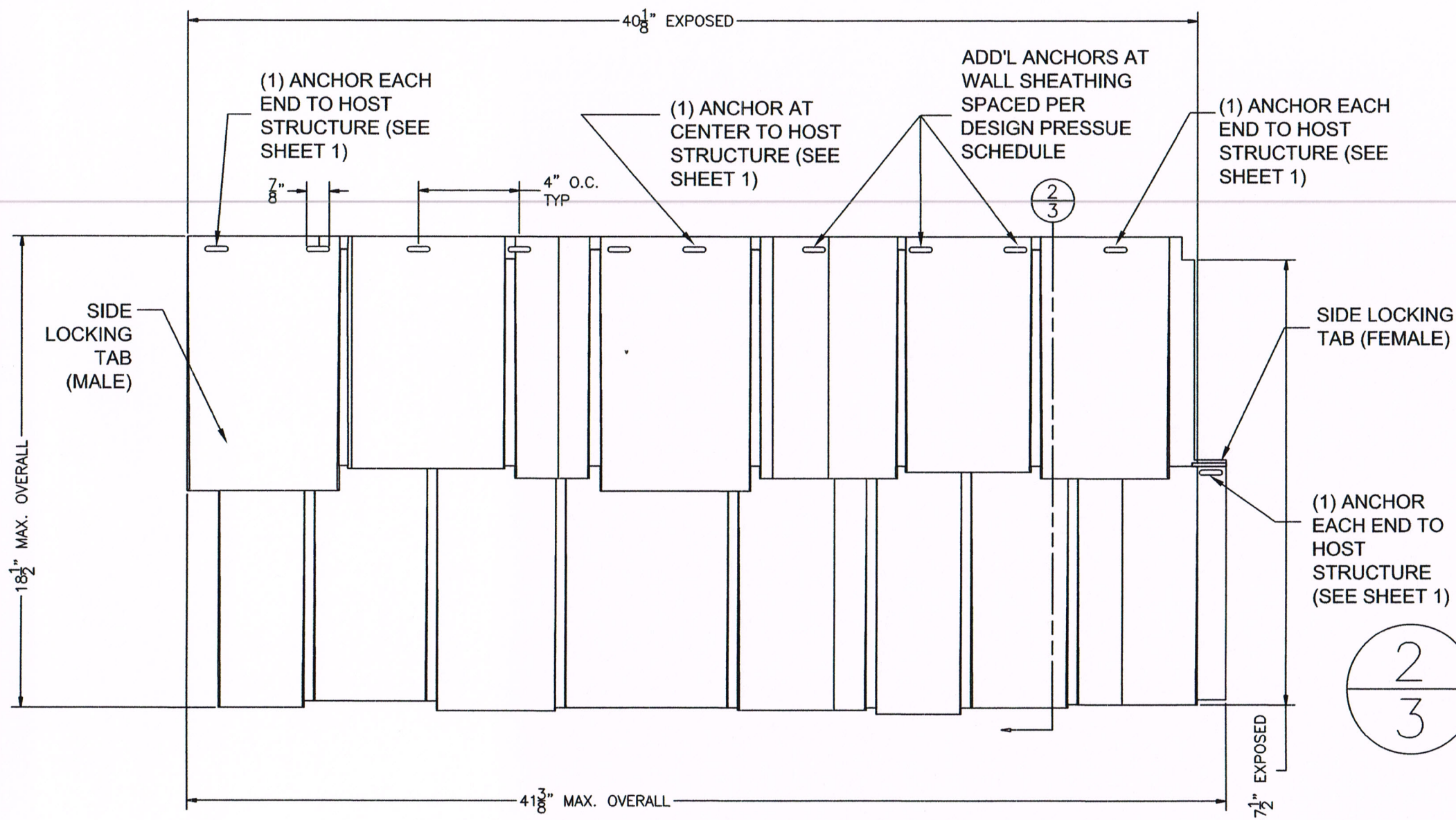


TYPICAL SECTION
VERTICAL SECTION

PROJECT NO. 418-0502

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TITLE: EXTERIOR WALL CLADDING POLYPROPYLENE SIDING (VARIOUS PROFILES)	DRAWN BY: RJA	SCALE: N.T.S.	DESCRIPTION: _____
PREPARED BY: PTC Product Design Group, LLC PO Box 630775 Lubbock, TX 79407 TEXAS REG. NO. F-13740	REV: ---	SHEET: 2 OF 11	DATE: _____





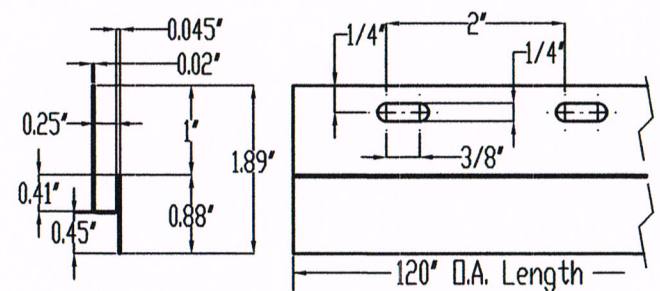
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TYPICAL SECTION
VERTICAL SECTION

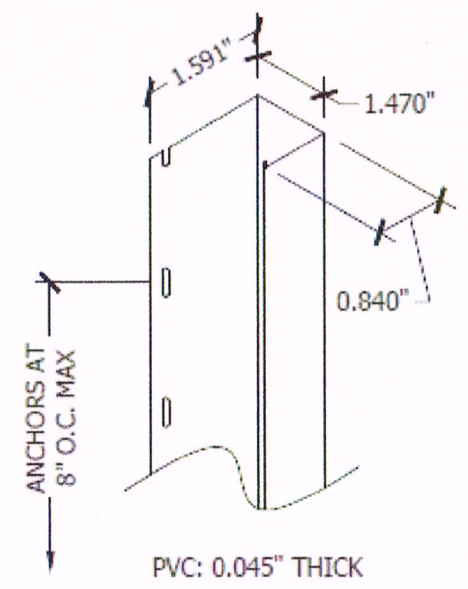
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TANDOSHAKE™
HAND SPLIT SHAKE
EXTERIOR ELEVATION

NOMINAL THICKNESS: 0.090"



STARTER STRIP AT
BOTTOM PANEL ROW
ISOMETRIC



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

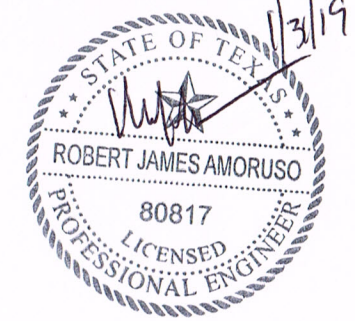
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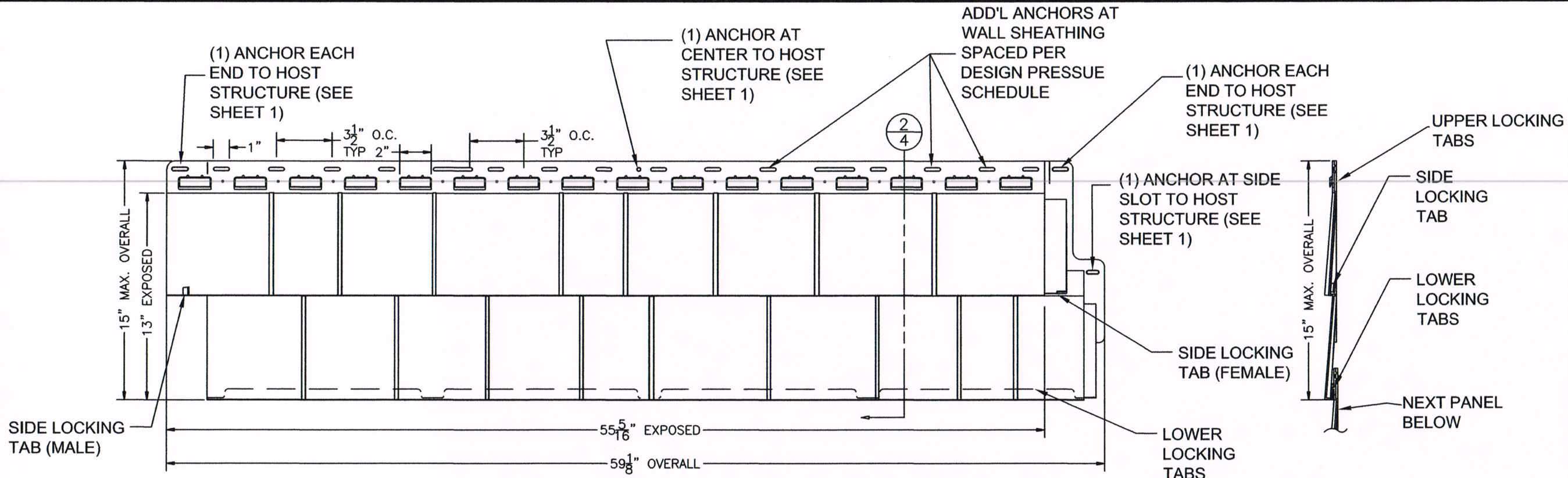
DERBY BUILDING PRODUCTS LLC
1111 NW 165TH ST.
MIAMI, FL 33169

TITLE: EXTERIOR WALL CLADDING
POLYPROPYLENE SIDING (VARIOUS PROFILES)

PREPARED BY:	PTC Product Design Group, LLC PO Box 520775 Longwood, FL 32752-0775 TEXAS REG. NO. F-13740
DRAWN BY:	RJA
DATE:	6/22/18
SCALE:	N.T.S.
DRAWING NO.:	DERBY1001
REV:	---
SHEET:	3 OF 11

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





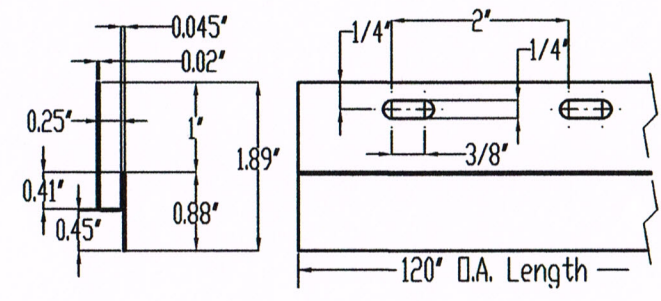
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ROUGHSAWN CEDAR DUAL
 EXTERIOR ELEVATION

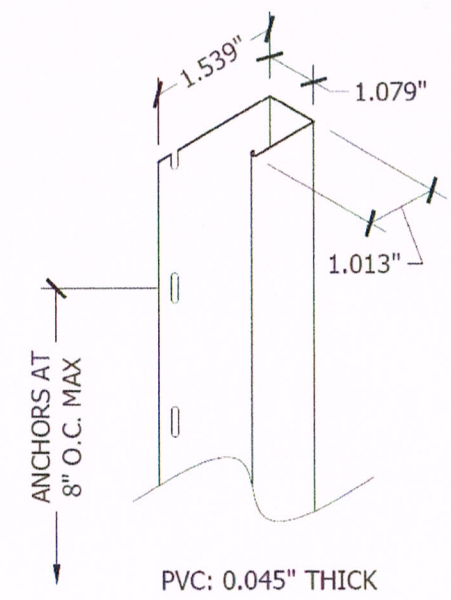
NOMINAL THICKNESS: 0.090"

2
4

TYPICAL SECTION
 VERTICAL SECTION



**STARTER STRIP AT
 BOTTOM PANEL ROW**
 ISOMETRIC



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

PROJECT NO. 418-0502

REV	DESCRIPTION	DATE	BY

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

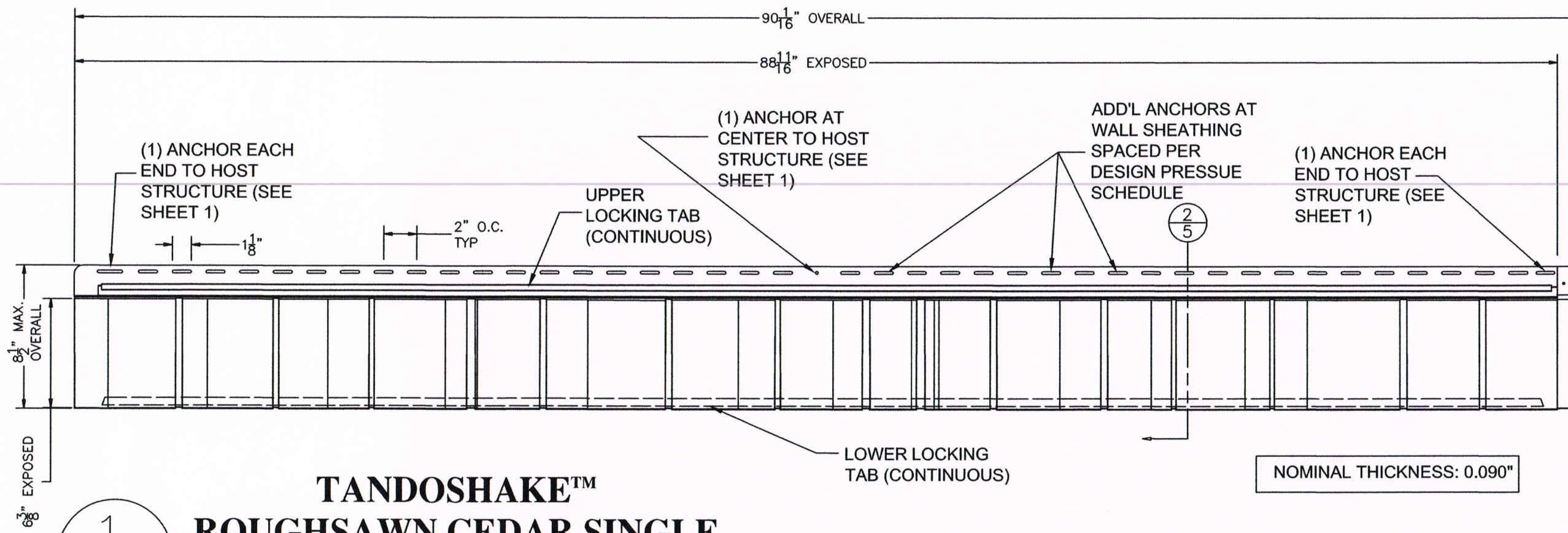
**EXTERIOR WALL CLADDING
 POLYPROPYLENE SIDING (VARIOUS PROFILES)**

PREPARED BY: PTC
 DRAWN BY: RJA
 SCALE: N.T.S.
 DATE: 6/22/18
 DRAWING NO: DERBY1001
 SHEET: 4 OF 11

PTC
 PTC Product Design Group, LLC
 PO Box 132752
 Lewisville, TX 75044-0752
 Phone: 321.690.1788
 Fax: 321.690.1789
 Email: info@ptc-corp.com
 TEXAS REG. NO. F-13740

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

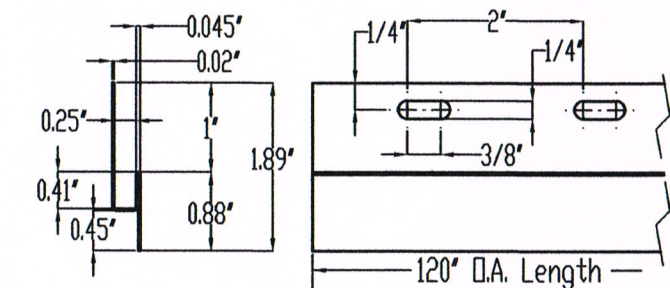




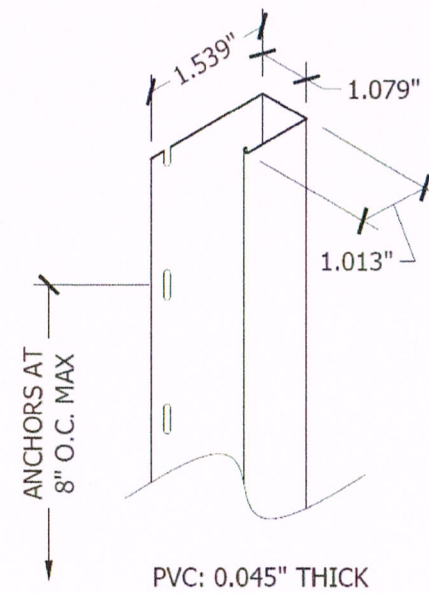
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ROUGHSAWN CEDAR SINGLE
 EXTERIOR ELEVATION

1
5

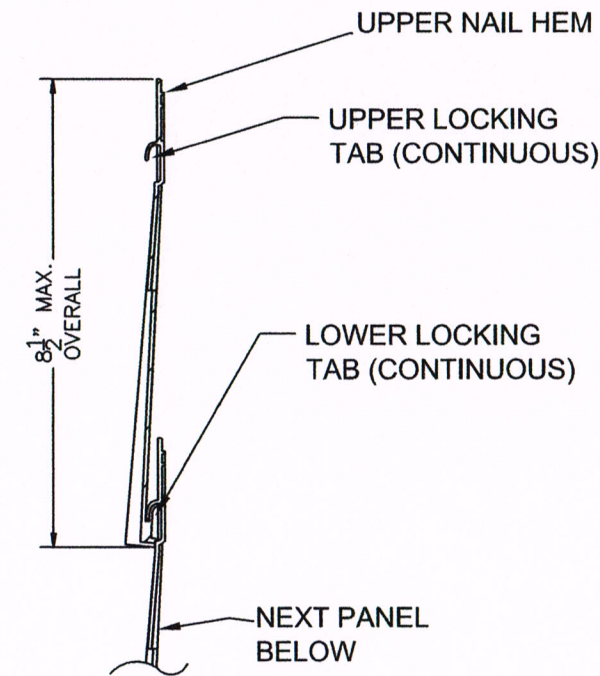
NOMINAL THICKNESS: 0.090"



**STARTER STRIP AT
 BOTTOM PANEL ROW**
 ISOMETRIC



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



2
5
TYPICAL SECTION
 VERTICAL SECTION

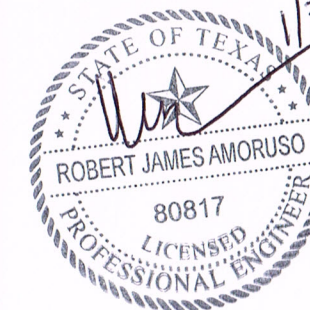
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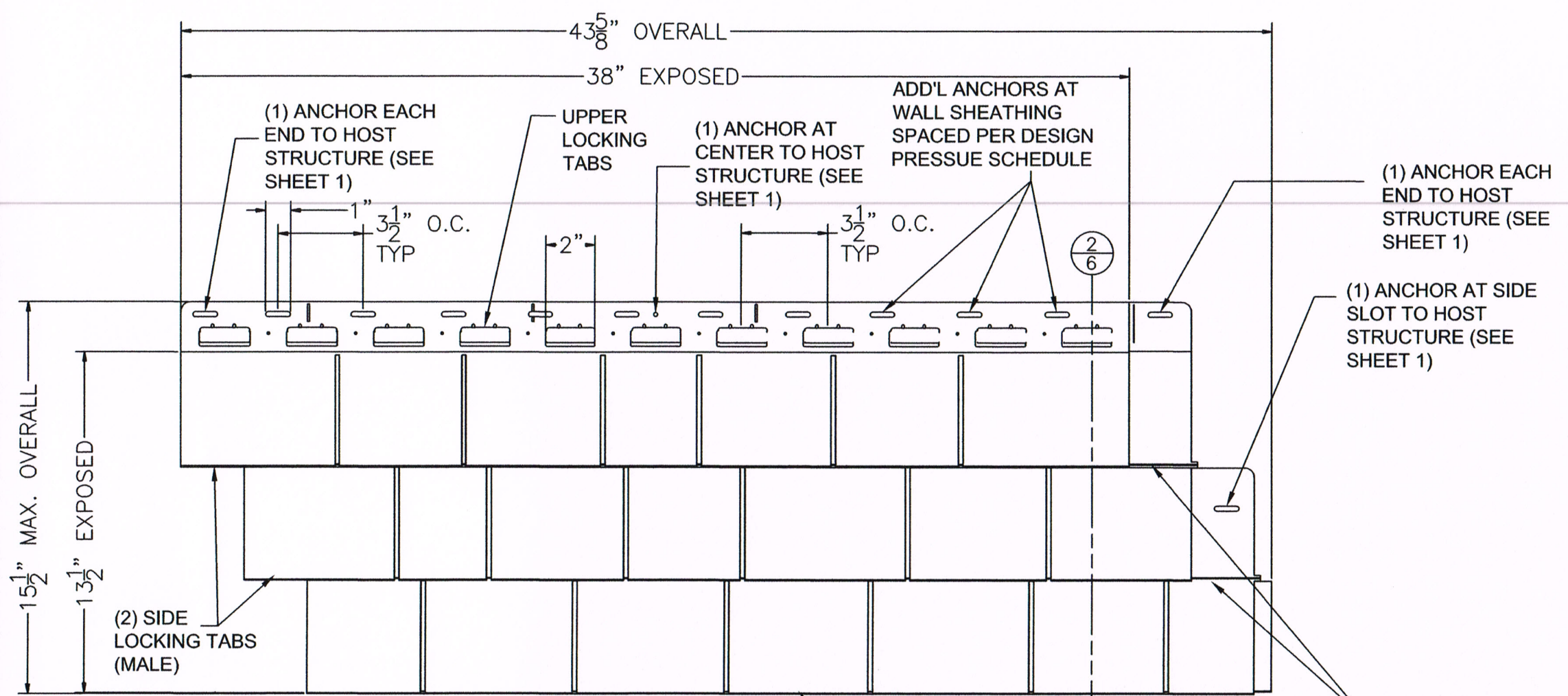
DERBY BUILDING PRODUCTS LLC
 1111 NW 165TH ST.
 MIAMI, FL 33169

TITLE: EXTERIOR WALL CLADDING
 POLYPROPYLENE SIDING (VARIOUS PROFILES)

PREPARED BY:	DATE:	DRAWING NO.:	BY:
PTC Product Design Group, LLC	6/22/18	DERBY1001	
PO Box 347			
Levy, TX 77729-0775			
TEXAS REG. NO. F-13740			
SCALE: N.T.S.	REV:	SHEET:	DESCRIPTION
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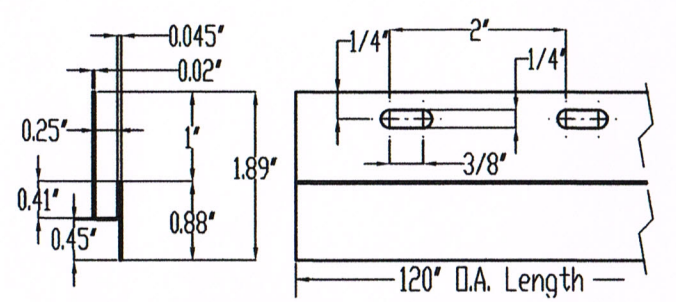
Robert J. Amoruso, P.E.
 Texas PE No. 80817



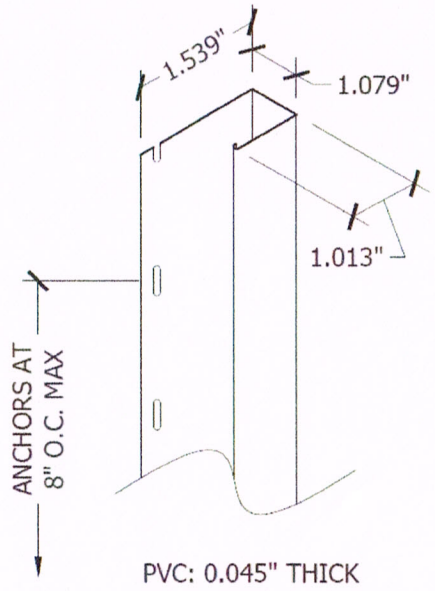


**TANDOSHAKE™
R&R 4.5"**
EXTERIOR ELEVATION

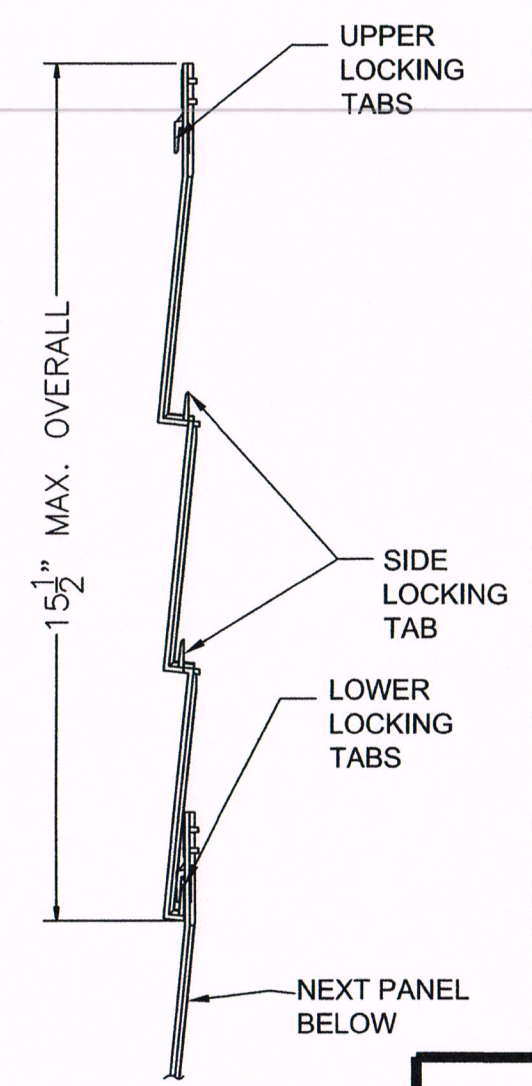
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**STARTER STRIP AT
BOTTOM PANEL ROW**
ISOMETRIC



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



2
6

TYPICAL SECTION
VERTICAL SECTION

PROJECT NO. 418-0502

REV	DESCRIPTION	DATE	BY

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

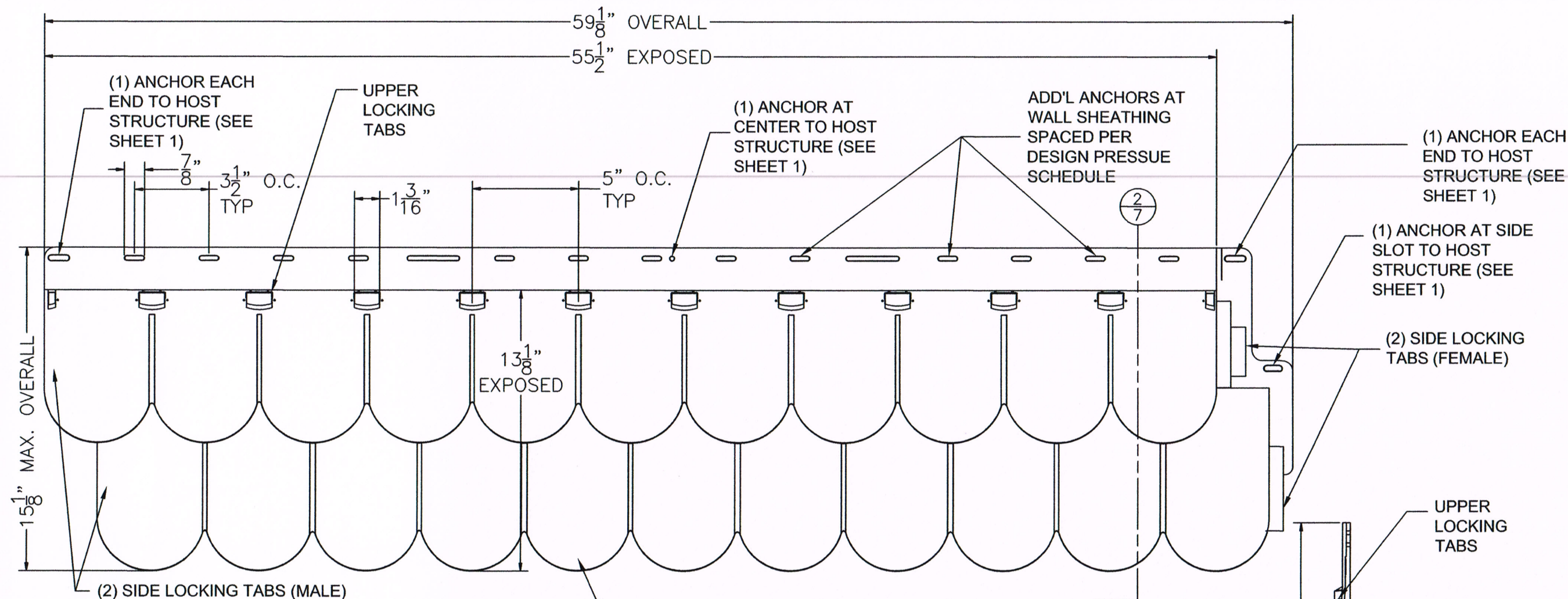
TITLE: EXTERIOR WALL CLADDING
POLYPROPYLENE SIDING (VARIOUS PROFILES)

PREPARED BY: PTC Product Design Group, LLC
PO Box 520775
Lubbock, TX 79452
TEXAS REG. NO. F-13740

DRAWN BY: RJA
SCALE: N.T.S.
REV: --

DATE: 6/22/18
DRAWING NO: DERBY1001
SHEET: 6 OF 11

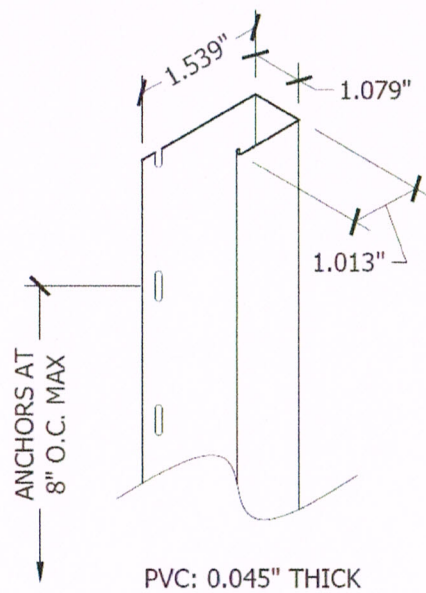
Robert J. Amoruso, P.E.
Texas PE No. 80817



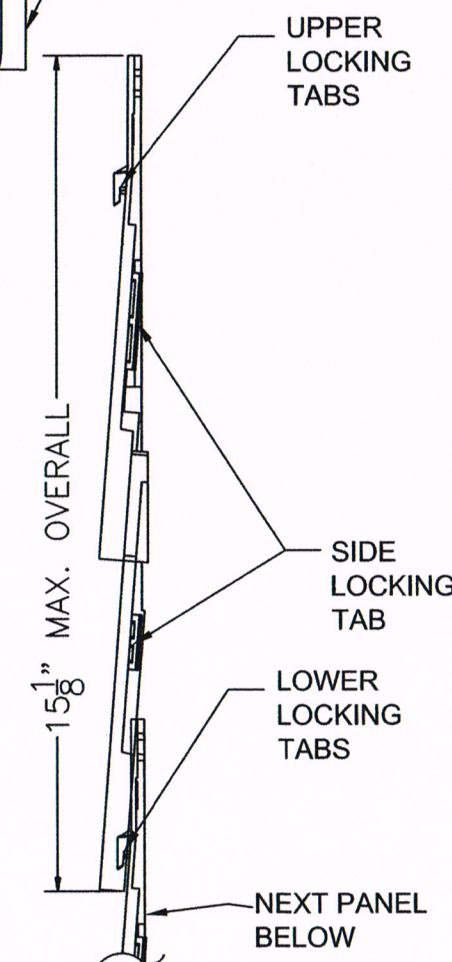
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TANDOSHAKE™
SCALLOPED PERFECTION
 EXTERIOR ELEVATION

NOMINAL THICKNESS: 0.090"



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



2
7

TYPICAL SECTION
 VERTICAL SECTION

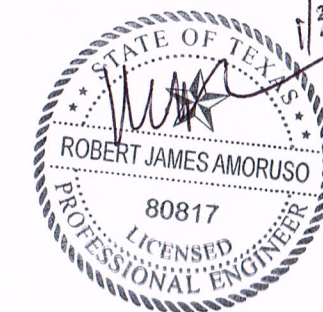
PROJECT NO. 418-0502

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

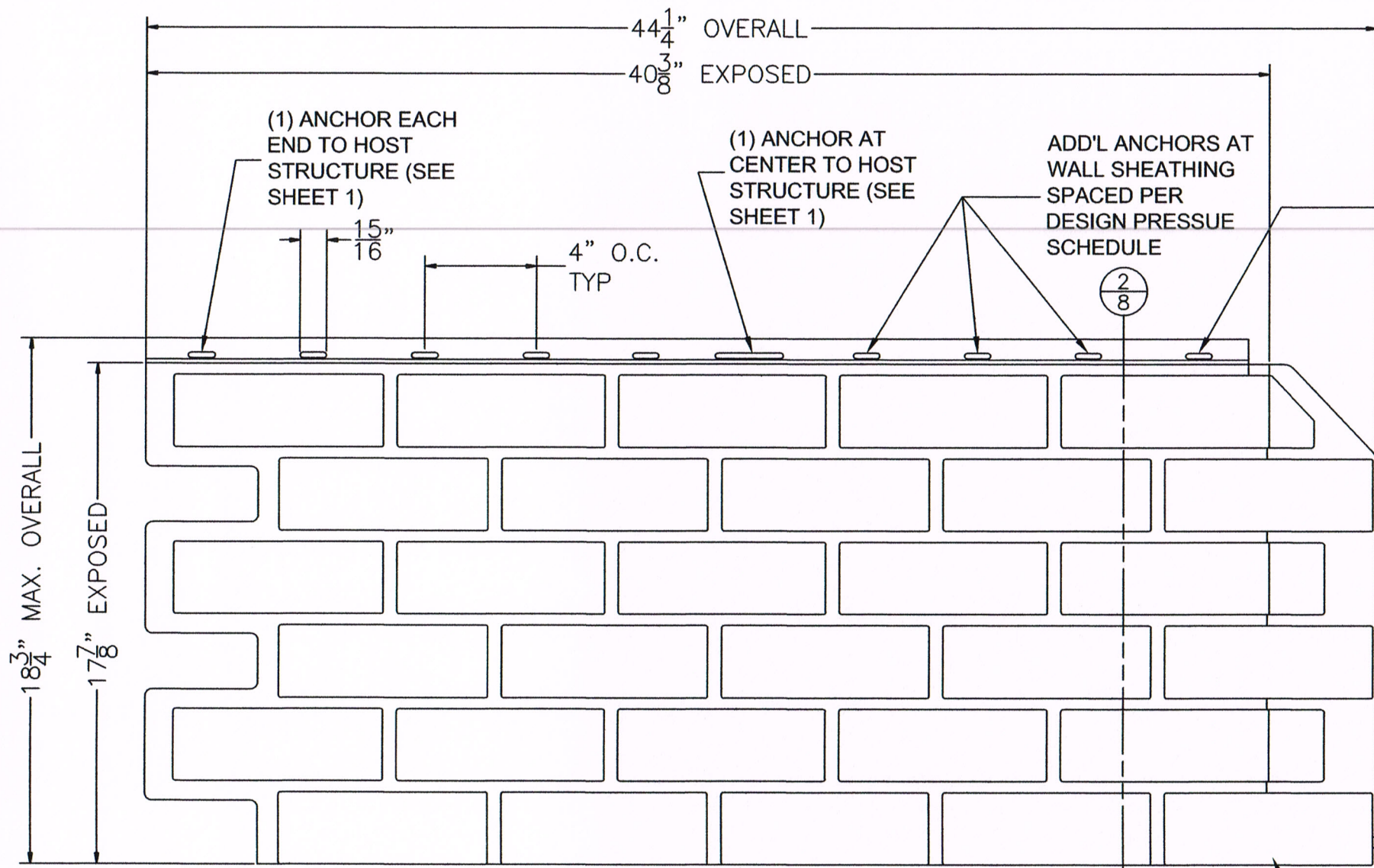
TITLE: EXTERIOR WALL CLADDING
 POLYPROPYLENE SIDING (VARIOUS PROFILES)

PREPARED BY:	PTC Product Design Group, LLC PO Box 230775 Lubbock, TX 79403 TEXAS REG. NO. F-13740
DRAWN BY:	RJA
DATE:	6/22/18
SCALE:	N.T.S.
DRAWING NO.:	DERBY1001
REV.:	---
SHEET:	7 OF 11

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



REV	DESCRIPTION	DATE	BY

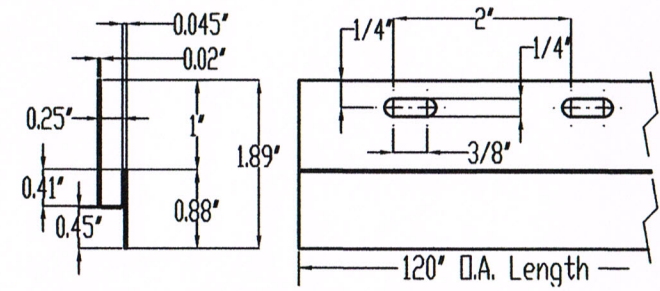


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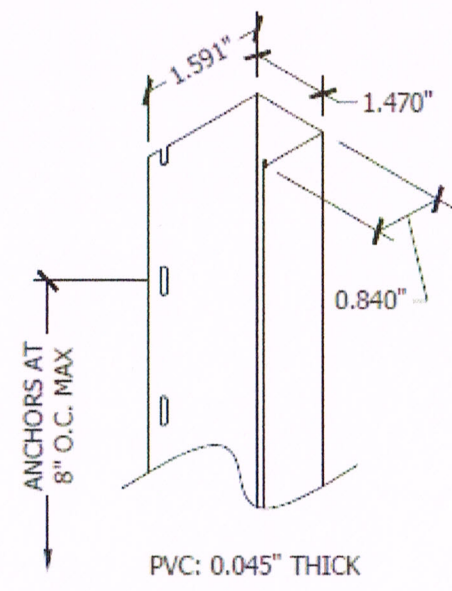
TANDOSTONE™ BRICK

EXTERIOR ELEVATION

NOMINAL THICKNESS: 0.090"

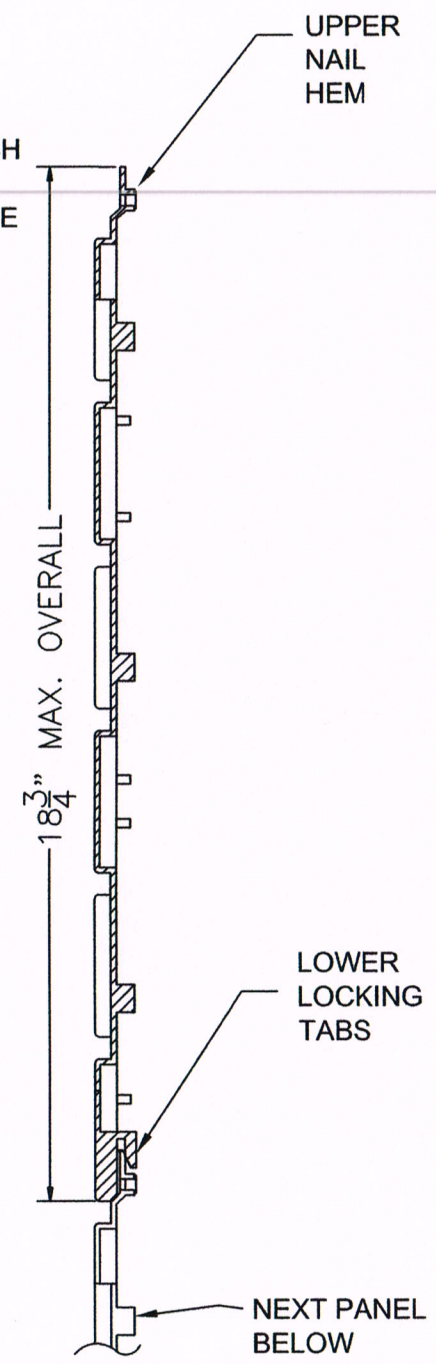


STARTER STRIP AT BOTTOM PANEL ROW
ISOMETRIC



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

LOWER LOCKING TABS



2
8

TYPICAL SECTION

VERTICAL SECTION

PROJECT NO. 418-0502

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

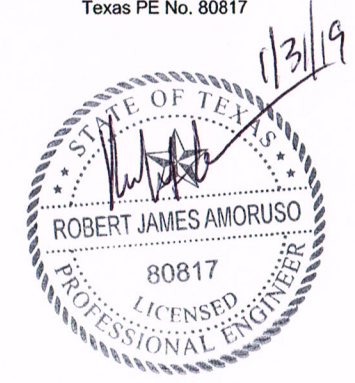
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POLYPROPYLENE SIDING (VARIOUS PROFILES)

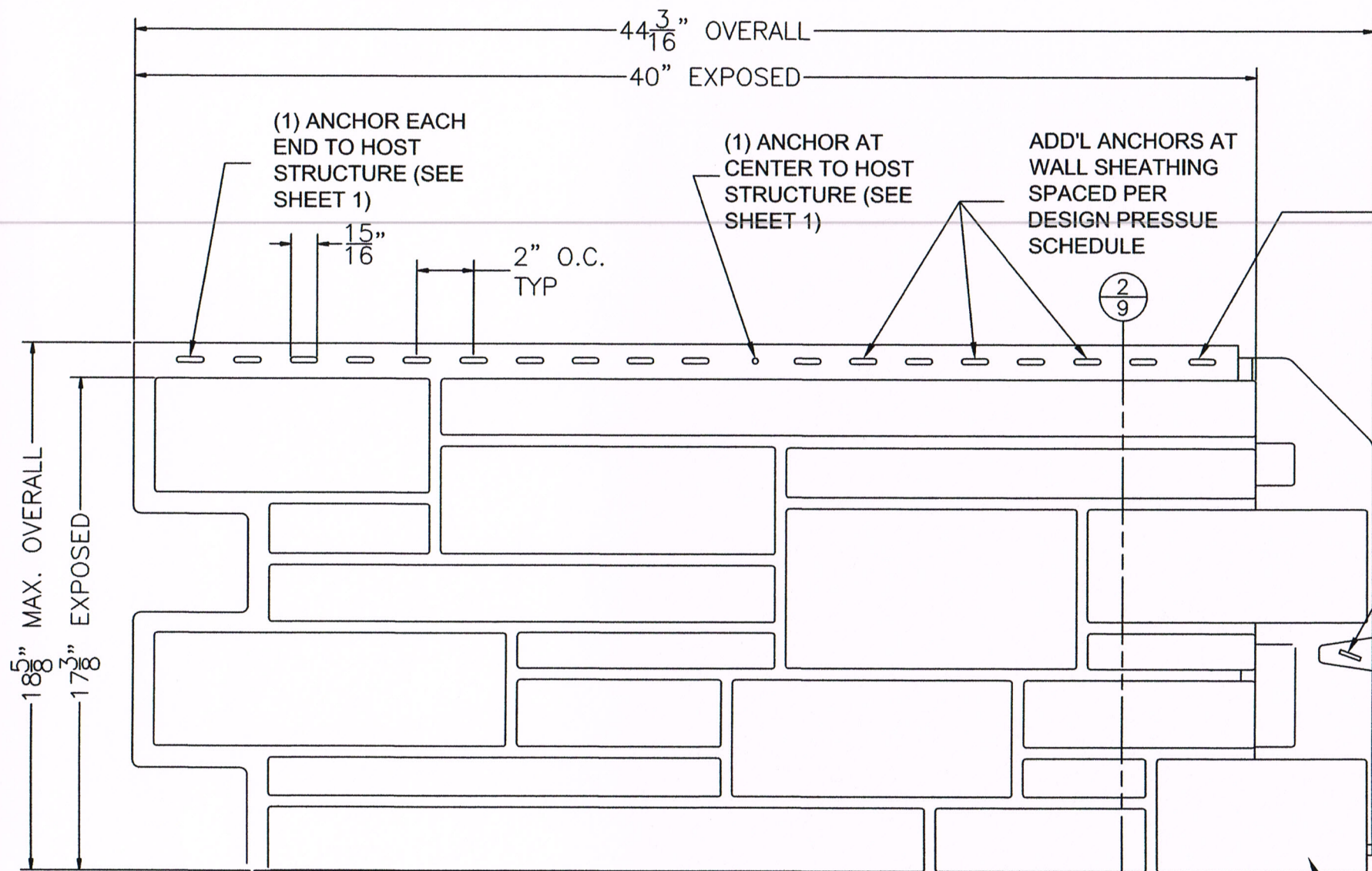
PREPARED BY: PTC
DRAWN BY: RJA
SCALE: N.T.S.
REV: ---

DATE: 6/22/18
DRAWING NO: DERBY1001
SHEET: 8 OF 11

PTC Product Design Group, LLC
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Los Angeles, CA 90053-0752
TEXAS REG. NO. F-13740
Phone: 321.690.1788
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Email: info@ptc-corp.com

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

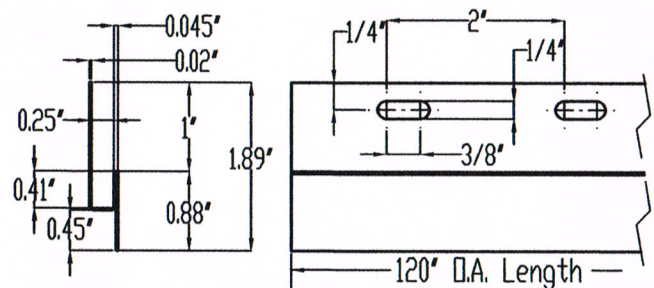




**TANDOSTONE™ HAND-CUT STONE
OR TANDOSTONE™ CRAFTSMAN
CUT STONE**

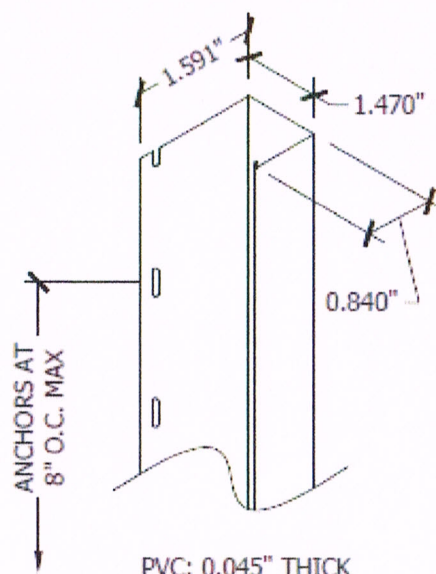
EXTERIOR ELEVATION

NOMINAL THICKNESS: 0.090"



**STARTER STRIP AT
BOTTOM PANEL ROW**

ISOMETRIC

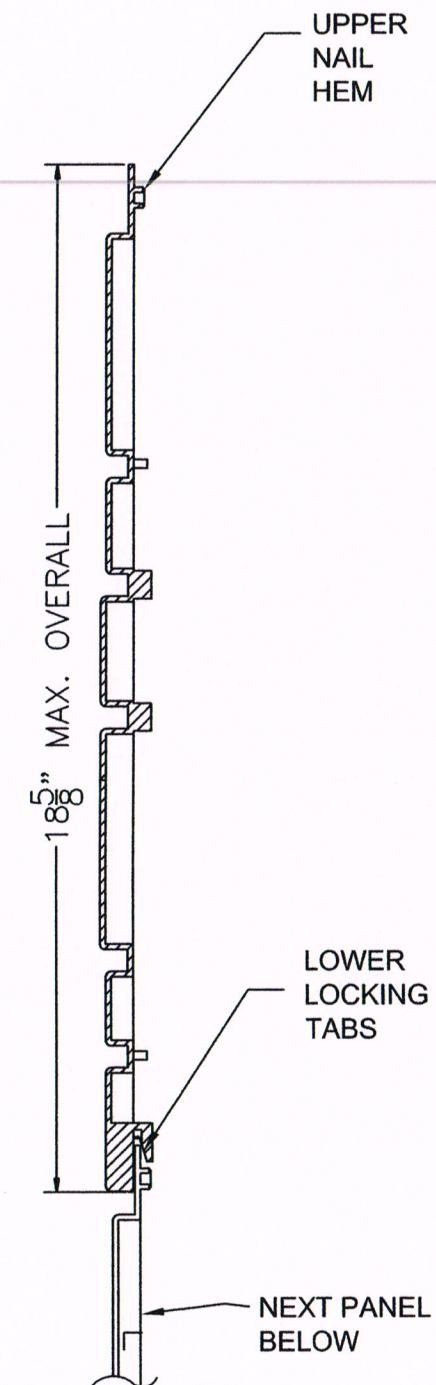


**"J" CHANNEL (1-1/8")
AT WALL ENDS**

ISOMETRIC

2
9

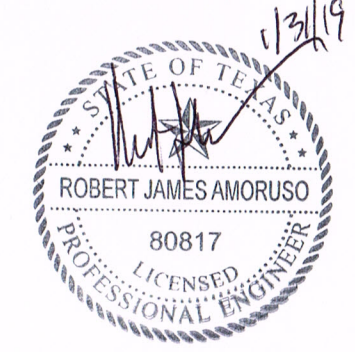
**TYPICAL SECTION
VERTICAL SECTION**

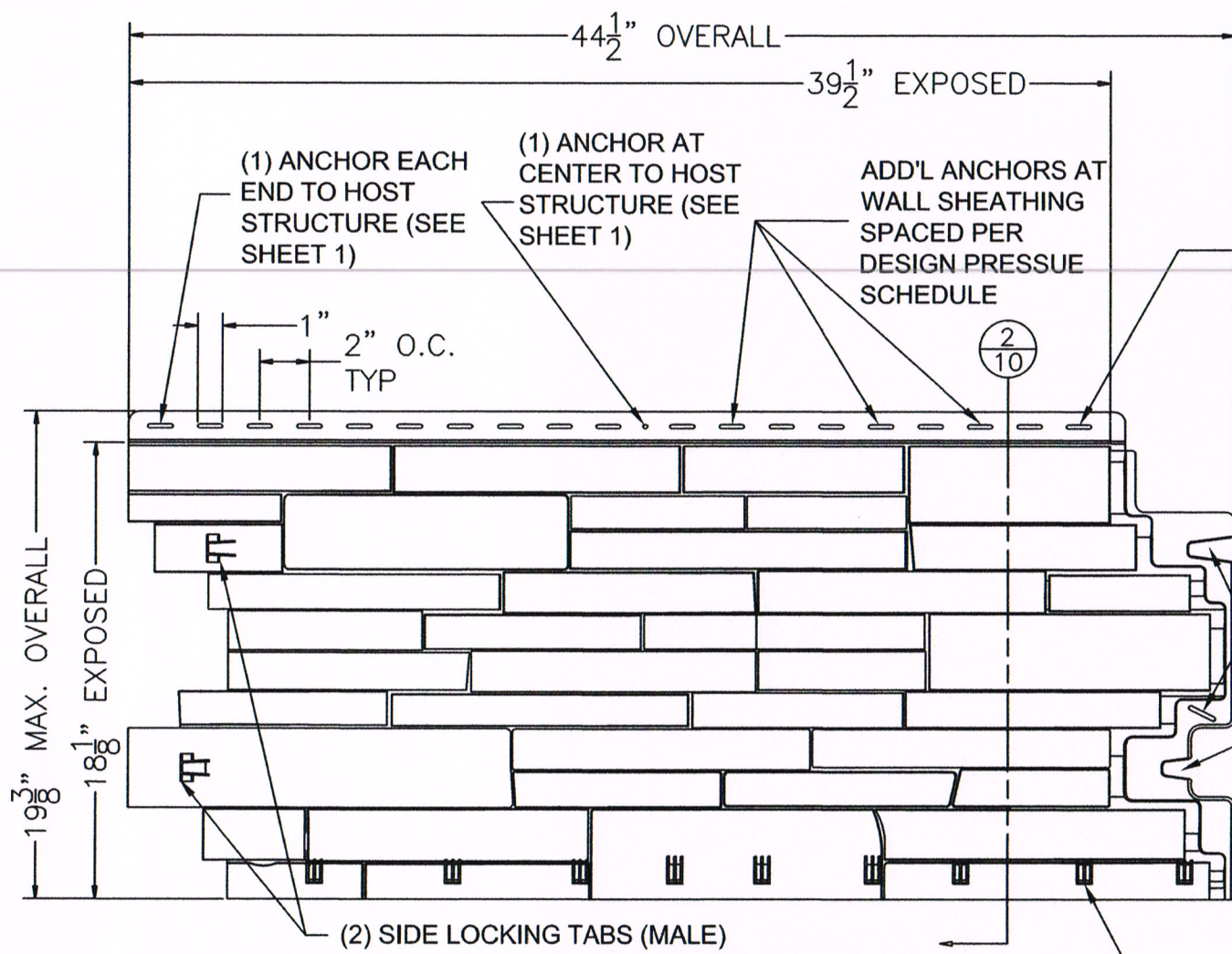


PROJECT NO. 418-0502

DERBY BUILDING PRODUCTS LLC 1111 NW 165TH ST. MIAMI, FL 33169	DATE: 6/22/18	DRAWING NO: DERBY1001	BY: DATE
TITLE: EXTERIOR WALL CLADDING POLYPROPYLENE SIDING (VARIOUS PROFILES)	DRAWN BY: RJA	SCALE: N.T.S.	DESCRIPTION
PREPARED BY: PTC Product Design Group, LLC P.O. Box 520775 Longwood, FL 32752-0775 TEXAS REG. NO. F-13740	REVISIONS: ---	SHEET: 9 OF 11	REV

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

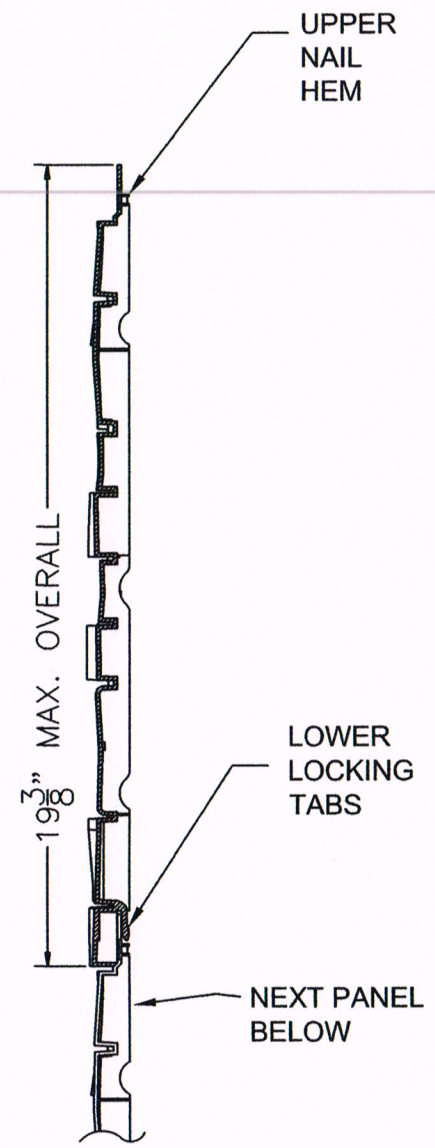




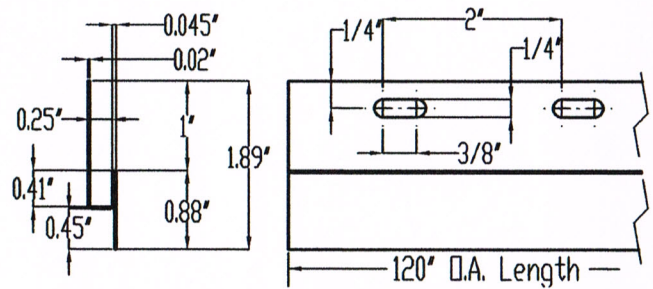
**TANDOSTONE™ STACKED STONE
OR NOVIKSTONE™ MS**

EXTERIOR ELEVATION
NOMINAL THICKNESS: 0.090"

1/10

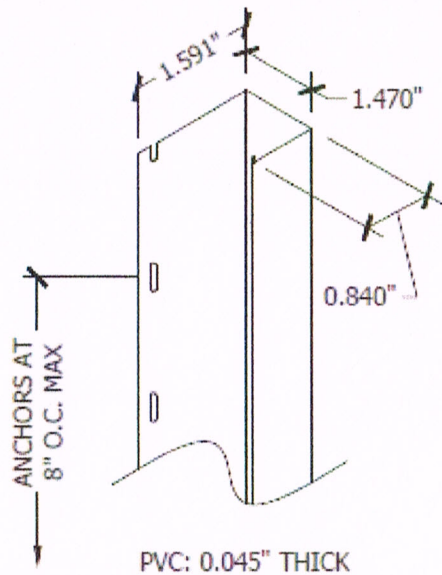


**TYPICAL SECTION
VERTICAL SECTION**



**STARTER STRIP AT
BOTTOM PANEL ROW**

ISOMETRIC



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

ISOMETRIC

PROJECT NO. 418-0502

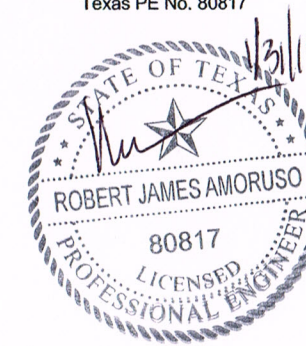
DERBY BUILDING PRODUCTS LLC
1111 NW 165TH ST.
MIAMI, FL 33169

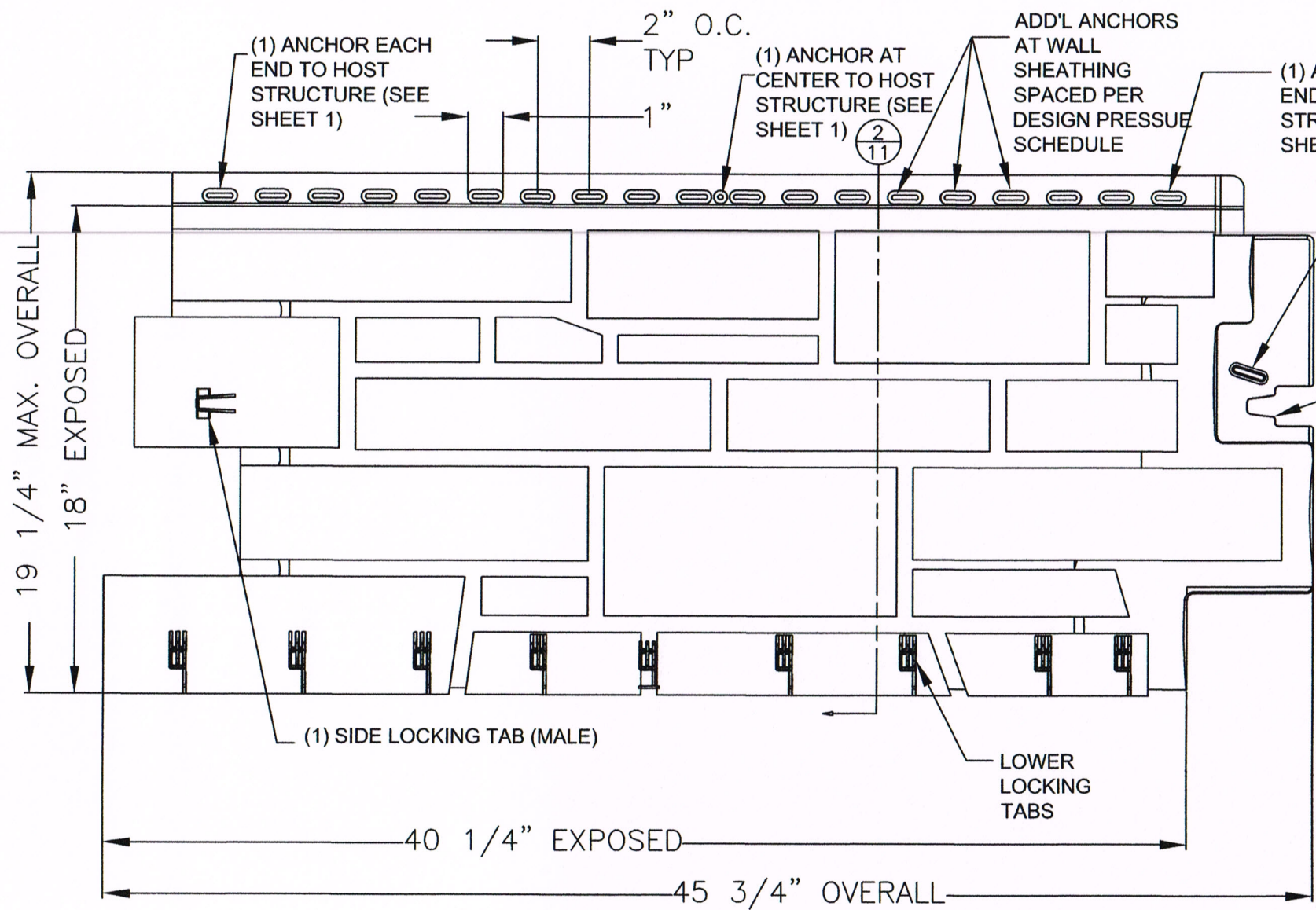
TITLE: EXTERIOR WALL CLADDING
POLYPROPYLENE SIDING (VARIOUS PROFILES)

PREPARED BY: RJA
DRAWN BY: RJA
SCALE: N.T.S.
DATE: 6/22/18
DRAWING NO: DERBY1001
SHEET: 10 OF 11

PTC Product Design Group, LLC
PO Box 1000
Lubbock, TX 79408
Phone: 321.690.1788
Fax: 321.690.1789
Email: info@ptc-corp.com
TEXAS REG. NO. F-13740

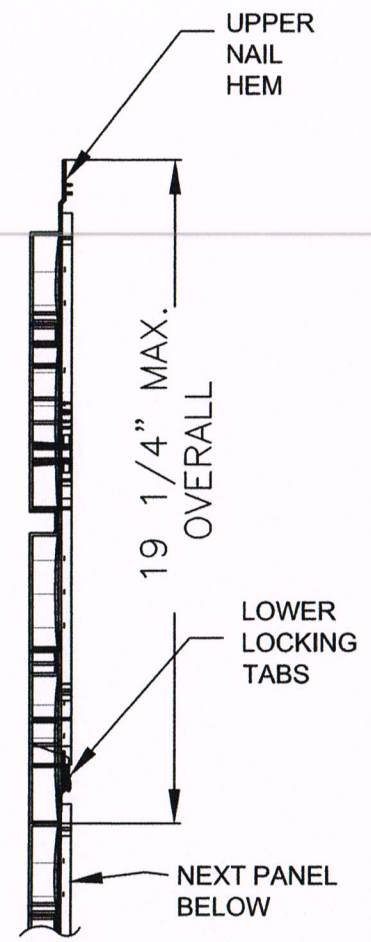
Robert J. Amoroso, P.E.
Texas PE No. 80817





2
11

**TYPICAL SECTION
VERTICAL SECTION**

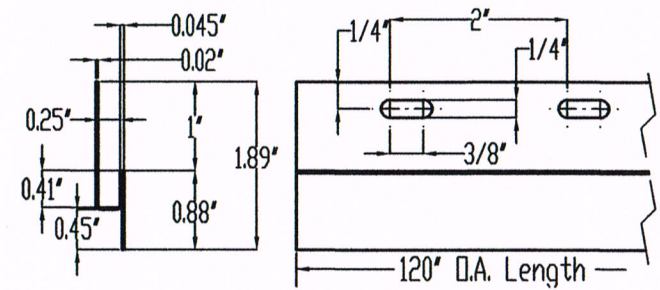


1
11

**TANDOSTONE™ CREEK LEDGESTONE
OR NOVIKSTONE™ CS**

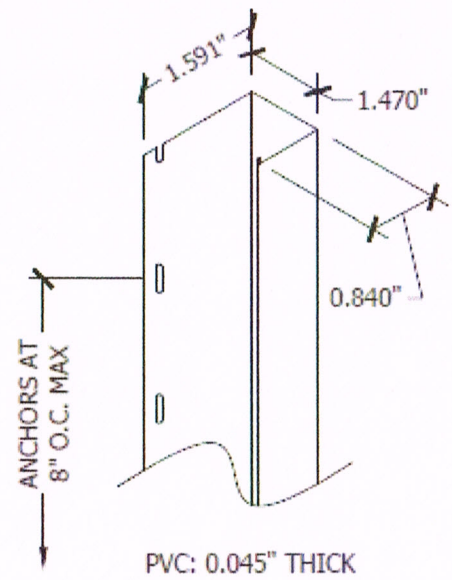
EXTERIOR ELEVATION

NOMINAL THICKNESS: 0.090"



**STARTER STRIP AT
BOTTOM PANEL ROW**

ISOMETRIC



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

ISOMETRIC

PROJECT NO. 418-0502

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

TITLE: EXTERIOR WALL CLADDING
POLYPROPYLENE SIDING (VARIOUS PROFILES)

PREPARED BY:	PTC Product Design Group, LLC P.O. Box 520775 Longwood, FL 32752-0775 TEXAS REG. NO. F-13740
DRAWN BY:	RJA
DATE:	6/22/18
SCALE:	N.T.S.
DRAWING NO.:	DERBY1001
REV:	---
DESCRIPTION	11 OF 11

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

