PRODUCT SUMMARY

PERGOLA Product: Contempo

WALL Product: None

FRAMING: Wide Post & Beam

KEY DIMENSIONS

FRAME WIDTH: 41'

FRAME PROJECTION: 12'

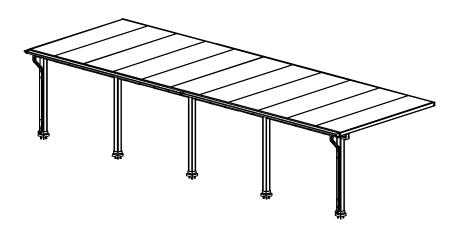
POST HEIGHT: 9' ROOF SLOPE: 0.5in ROOF WIDTH: 43'

ROOF PROJECTION: 13'

HOST STRUCTURE SHAPE: Wall Attached

HOST ATTACHMENT: 1 Story Home

FOUNDATION: ISOLATED DEEP CONCRETE FOOTING (3KSI MIN)



NOTE: THIS ISOMETRIC VIEW IS ONLY FOR ILLUSTRATIVE PURPOSES. ACTUAL DETAIL DRAWINGS SHOWN HEREIN MAY VARY.

STRUCTURAL NOTES / DESIGN CRITERIA:

THE WORK SPECIFIED HEREIN HAS BEEN DESIGNED & ALL WORK SHALL BE IN ACCORDANCE WITH THE STRUCTURAL PROVISIONS OF THE CODES REFERENCED BELOW

NORTH CAROLINA BUILDING CODE (2018), ASCE 7-16 CHAPTER 30, V= 117 MPH, EXPOSURE 'B'
MRH = 9', RISK CATEGORY II
Kd = 0.85, Kzt = 1, Kh = 0.57,
qh = 0.00256*Kz*Kzt*Kd*V = 16.98 PSF
MAXIMUM WIND PRESSURES (PERGOLA) = 15.3 PSF (ASD)

DEAD LOAD = 5 PSF ROOF LIVE LOAD (PER APENDIX I. PATIO COVERS) = 10 PSF SNOW LOAD = 10 PSF

SEISMIC

SEISMIC RISK = II, SITE CLASS = D SS = 0.167, S1 = 0.075, SDC = B, TL = 8 SDS = 0.178, SD1 = 0.12

THESE PLANS CERTIFY THE STRUCTURAL ADEQUACY OF THE PROPOSED SYSTEM IN ACCORDANCE WITH THE STRUCTURAL REQUIREMENTS OF THE BUILDING CODE ONLY. THE HOST STRUCTURE IS ASSUMED TO BE ADEQUATE TO WITHSTAND THE LOADS IMPOSED BY THIS DESIGN.

SCOPE OF WORK:

PROVIDE STRUCTURAL DRAWINGS FOR AN ALUMINUM PERGOLA MANUFACTURED BY RENAISSANCE PATIO PRODUCTS.

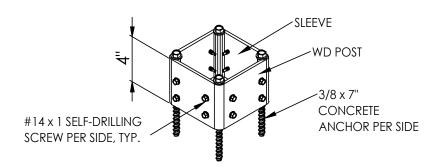
GENERAL NOTES:

- 1. CONSTRUCTION METHODS PROCEDURES, AND SEQUENCES ARE THE CONTRACTOR'S RESPONSIBILITY AND THE CONTRACTOR IS TO TAKE ALL THE NECESSARY MEANS TO MAINTAIN AND PROTECT THE STRUCTURAL INTEGRITY OF ALL CONSTRUCTION AT ALL STAGES.
 2. SHOULD ANY SPECIFIC CONDITION DIFFER FROM THAT SPECIFIED HEREIN, OR STANDARD FIELD CONDITIONS, ADDITIONAL SPECIFIC ENGINEERING MAY BE REQUIRED AS DETERMINED BY THE BUILDING INSPECTOR AND PERMITTING CONTRACTOR. THIS OFFICE HAS NOT VISITED THE PROJECT SITE.
- 3. USE MANUFACTURER'S CERTIFIED DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION NOT SHOWN IN THESE PLANS.
- 4. DIMENSIONS ARE SHOWN TO ILLUSTRATE DESIGN FORCES AND OTHER DESIGN CRITERIA. THEY MAY VARY SLIGHTLY, BUT SHALL REMAIN IN CONFORMANCE WITH THE LIMITATIONS OF THIS PLAN. THE CONTRACTOR IS TO VERIFY ALL FIELD DIMENSIONS PRIOR TO INSTALLATION, AND VERIFY THAT PROPOSED DIMENSIONS AND FIELD CONDITIONS AGREE WITH THIS PROPOSED PLAN. USE OF THIS DOCUMENT CONSTITUTES ACCEPTANCE OF THE PROPOSED SYSTEM LAYOUT, COMPONENTS SELECTED, AND INSTALLATION. THESE DRAWINGS ARE NOT INTENDED TO BE USED AS FABRICATION OR SHOP DRAWINGS.
- 5. ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COSTS & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN. EXCEPT AS EXPRESSLY PROVIDED IN HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- 6. THIS ENGINEER SHALL NOT BE HELD RESPONSIBLE OR LIABLE IN ANY WAY FOR ERRONEOUS OR INACCURATE DATA OR MEASUREMENTS. THIS ENGINEER SHALL BE NOTIFIED AND GIVEN AN OPPORTUNITY TO RE-EVALUATE OUR WORK UPON DISCOVERY OF ANY INACCURATE INFORMATION UPON DISCOVERY OF ANY NON-MATCHING FIELD CONDITIONS AND FABRICATION AND INSTALLATION OF MATERIALS.
- 7. PROPOSED CHANGES OR SUBSTITUTIONS TO STRUCTURAL DETAILS OR PLANS SHALL BE SUBMITTED TO THIS ENGINEER FOR REVIEW AND APPROVAL.
- 8. PATIO COVER SHOULD BE USED ONLY FOR RECREATIONAL, OUTDOOR LIVING PURPOSES AND NOT AS CARPOTS. STORAGE ROOMS OR HABITABLE ROOMS..

ALL PRODUCT DETAILS PROTECTED BY US CO FORBIDDED WITHOUT EXPRESS WRITTEN PERM ® RENAISSANCE PA	ALL PRODUCT DETAILS PROTECTED BY US COPYRIGHT. REPRODUCTION IN WHOLE OR IN PART, FORBIDDED WITHOUT EXPRESS WRITTEN PERMISSION FROM RENAISSANCE PATIO PRODUCTS INC 2023	on —	QUOTE NO: 137207	37207	Renaissance Patio Products Inc. 4501 Transport Dr, Tampa, FL 33605	lnc. 33605 224 4804
	CONTRACTOR Sinclair Outdoor Living	DATE	DESC	DRWN CHKD	P	
Notice Willes 125 Steelman Road	125 Steelman Road	7/16/2025	Design Tool	RPP SLC		ORDON
Southern Pines NC 28387	Southern Pines NC 28387				51594 (116/2 Y WITH O TION WITH NS, ADDIS DO AND INVALION.	DiBattisto, LLC
						TIST
Contempo 12'P x 41'W x 9'H in Bronze	3'H in Bronze				25 NAL SEA WRITTEN DR OTHE ENT ARE E OUR	2801 NW 55TH CT. FORT LAUDERDALE, FL 33
SCALE 1.75	wines 137207				CONSE R NOT	(561)-569-8707 OFFICE@DOPENGINEERI
S0 Summary PG. 10F8					ENT,	

TOP Framing Projection ISOLATED DEEP FOOTING (SEE FOOTING DETAIL) 41' Framing Width

GROUND CONNECTION



INTERNAL SLEEVE

FOUNDATION DETAILS

FOOTING TYPE:

ISOLATED DEEP CONCRETE FOOTING (3KSI MIN)

FOOTING DIMENSIONS: 18" DIA. X 24" DEEP

BASE PLATE:

(4) 3/8" BUILDEX+ TAPCON TO 3000 PSI CONCRETE @2

1/2" EMBED, 5" MIN EDGE DISTANCE, 3" MIN SPACING

REINFORCEMENT:

4-#4 DOWELS, 3-#3 TIES EQUALLY SPACED

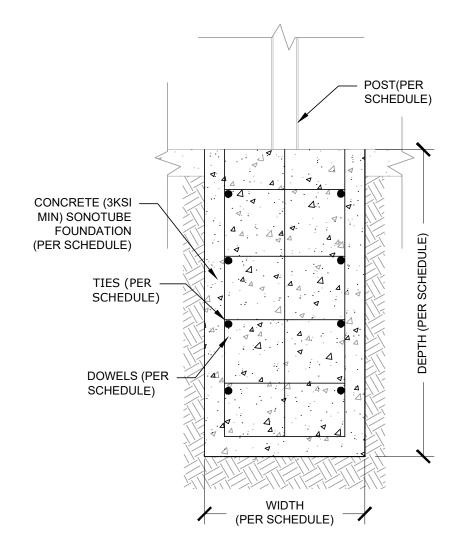
FOUNDATIONS:

1. SOIL STATEMENT: FOOTINGS HAVE BEEN DESIGNED FOR 2,000 P.S.F. ALLOWABLE SOIL BEARING CAPACITY. PRIOR TO THE INSTALLATION OF ANY FOOTING FOUNDATION SYSTEM FOR NEW BUILDINGS, STRUCTURES OR ADDITIONS, THE BUILDING OFFICIAL SHALL BE PROVIDED WITH A STATEMENT OF ALLOWABLE BEARING CAPACITY FROM AN ARCHITECT OR PROFESSIONAL ENGINEER. SAID STATEMENT SHALL CLEARLY IDENTIFY THE ALLOWABLE IN-PLACE BEARING CAPACITY OF THE BUILDING PAD FOR THE NEW BUILDING OR ADDITION AND VERIFY THE EXISTING SOIL CONDITIONS. THE CERTIFIED IN-PLACE BEARING CAPACITY SHALL HAVE BEEN DETERMINED BY WAY OF RECOGNIZED TESTS OR RATIONAL ANALYSIS AND SHALL MEET OR EXCEED THE DESIGN BEARING CAPACITY.

- 2. FOOTINGS SHALL BE FOUNDED ON WELL COMPACTED VIRGIN SOIL OR ON ENGINEERED FILL.
- 3. ELEVATIONS SHOWN AT FOOTINGS ARE TOP OF FOOTING ELEVATION (T.O.F.).

 4. ALL EXTERIOR FOOTINGS TO BEAR MINIMUM 2'-0" BELOW ADJACENT GRADE. UNLESS OTHERWISE NOTED. ADJUST BOTTOM OF FOOTING AS REQUIRED TO MEET THE REQUIREMENTS OF THE FROST DEPTH WHERE REQUIRED BY LOCAL JURISDICTIONS. BOTTOM OF THE FOOTING SHALL EXTEND 6" BELOW THE FROSTLINE, UNO.

FOOTING DETAIL



- FASTENERS (AS APPLICABLE)

 1. ALL BOLTS SHALL BE HOT DIPPED GALVANIZED, OR STAINLESS STEEL & MEET THE REQUIREMENTS OF ASTM A307.
- GENERIC FASTENERS ARE LABELED IN DETAILS,
 3. EMBEDMENT DEPTHS SPECIFIED HEREIN ARE DEPTHS INTO SOLID SUBSTRATE AND DO NOT
- INCLUDE THICKNESS OF STUCCO OR OTHER NON-STRUCTURAL FINISHES.
- 4. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS, I.E. ALUMINUM PER F.B.C. 2003.8.4.

ALL PRODUCT DETAILS PROTE	ECTED BY US COP	ALL PRODUCT DETAILS PROTECTED BY US COPYRIGHT. REPRODUCTION IN WHOLE OR IN PART,			İ	
FORBIDDED WITHOUT EXPRESS . © R	S WRITTEN PERMIS ENAISSANCE PATI	FORBIDDED WITHOUT EXPRESS WRITTEN PERMISSION FROM RENAISSANCE PATIO PRODUCTS INC © RENAISSANCE PATIO PRODUCTS INC. 2023) —	QUOTE NO: 13/20/	37207	
CUSTOMER		CONTRACTOR Sinclair Outdoor Living	DATE	DESC DRWN CHKD	DRWN	CHKI
Toliald Willes 125 Steelman Road		125 Steelman Road	7/16/2025	716/2025 Design Tool RPP	RPP	SLC
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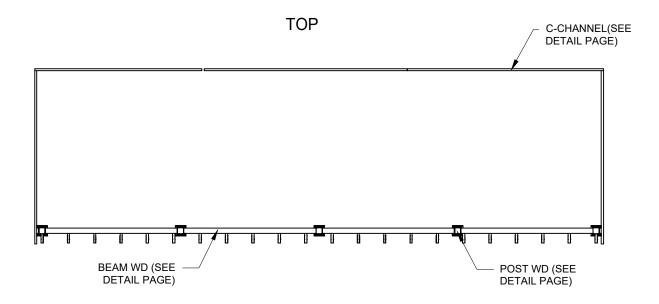
DiBattisto,

GORDON DIBATTISTO, P.E.

7/16/2025

ALUMINUM:

1. STRUCTURAL ALUMINUM SHALL BE 6005-T5 ALLOY, DESIGNED IN ACCORDANCE WITH THE ALUMINUM ASSOCIATION'S SPECIFICATION FOR ALUMINUM STRUCTURES, LATEST EDITION. 2. ALUMINUM WELDING SHALL BE PERFORMED TO MEET THE LOCAL REQUIREMENTS OF THE BUILDING CODE SECTION WHICH REFERENCES WELD FILLER ALLOYS MEETING ANSI/AWS A5.10 STANDARDS TO ACHIEVE ULTIMATE DESIGN STRENGTH IN ACCORDANCE WITH THE ALUMINUM DESIGN MANUAL PART I-A, TABLE J.2.1. USE WELD FILLER 5356 OR BETTER ELECTRODES. ALL ALUMINUM CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE TOLERANCES, QUALITY AND METHODS OF CONSTRUCTION AS SET FORTH IN FBC SECTION 2003 AND THE AMERICAN WELDING SOCIETY'S STRUCTURAL WELDING CODE-ALUMINUM (D1.2). MINIMUM WELD IS 1/8" THROAT FULL PERIMETER FILLET WELD UNLESS OTHERWISE NOTED.



1'-11 3/8" Truss Spacing

10'-3"

Beam A

41' Roof Width

BEAM WD (SEE DETAIL PAGE)

41' Frame Width

FRONT

10'-3"

Beam C

10'-3"

Beam B

POST WD (SEE

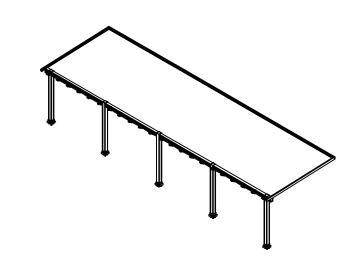
DETAIL PAGE)

10'-3"

Beam D

Attachment

Height



	Roof Projection 1' Front Overhang 1/2" Roof Slope	
8'-6" Front Height	BEAM WD (SEE DETAIL PAGE) POST WD (SEE DETAIL PAGE)	
	Frame Projection RIGHT	

	anc	DATE	7/16/2025		
EL All	ALL PRODUCT DETAILS PROTECTED BY US COPYRIGHT. REPRODUCTION IN WHOLE OR IN PART, FORBIDDED WITHOUT EXPRESS WRITTEN PERMISSION FROM RENAISSANCE PATIO PRODUCTS INC . © RENAISSANCE PATIO PRODUCTS INC. 2023	contractor Sinclair Outdoor Living	125 Steelman Road Southern Pines NC 28387	'H in Bronze	wines 137207
	TED BY US COP WRITTEN PERMIS NAISSANCE PAT		387	41'W x 9	SCALE 1:75
	ALL PRODUCT DETAILS PROTEC FORBIDDED WITHOUT EXPRESS \(\) © RE	CUSTOMER Wipes	125 Steelman Road Southern Pines NC 28387	Contempo 12'P x 41'W x 9'H in Bronze	

DiBattisto, LLC

GORDON DIBATTISTO, P.E. P.E. No. 51594 (NC)

7/16/2025

SLC

RPP

Design Tool DESC

DRWN

OTE NO: 137207

C-CHANNEL(SEE DETAIL PAGE)	
BEAM WD (SEE — DETAIL PAGE) POST WD (SEE — DETAIL PAGE)	

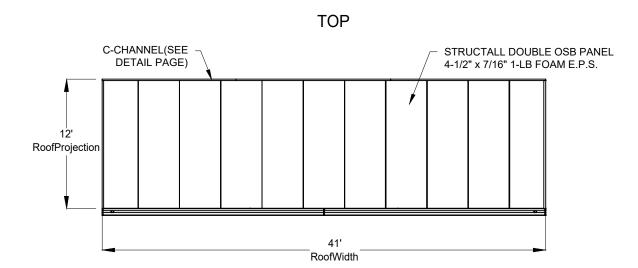
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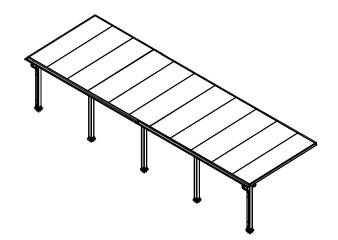
STRUCTURAL INSULATED PANEL (SIP):

1. SIP SHALL BE MANUFACTURED BY STRUCTALL BUILDING SYSTEM OR AN APPROVED EQUIVALENT MANUFACTURER. PANEL SPANCHARTS DOUBLE OSB COMPOSITE PANELS.

STANDARD ENGINEERING BOOK. ENGINEERED BY LAWRENCE E. BENNETT

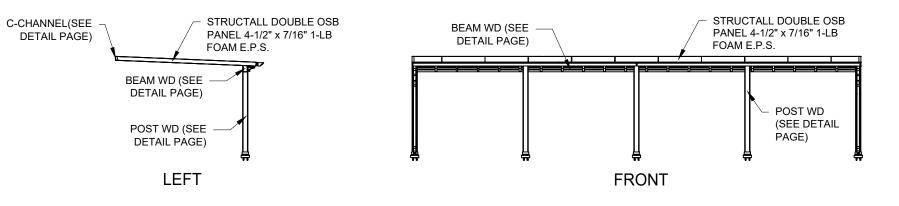
- 2. MINIMUM ALUMINUM SKIN THICKNESS SHALL BE 7/16".
- 3. FOAM CORE TO BE MINIMUM 1.0 #/CF DENSITY EPS OR EQUIVALENT.
- 4. SEE MANUFACTURER APPROVED TABLE FOR PANEL CAPACITY.
- 5. DEFLECTION LIMITS USED L/180.

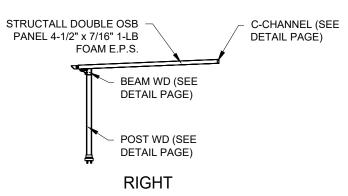




ROOF PANEL: STRUCTALL DOUBLE OSB PANEL

4-1/2" x 7/16" 1-LB FOAM E.P.S.



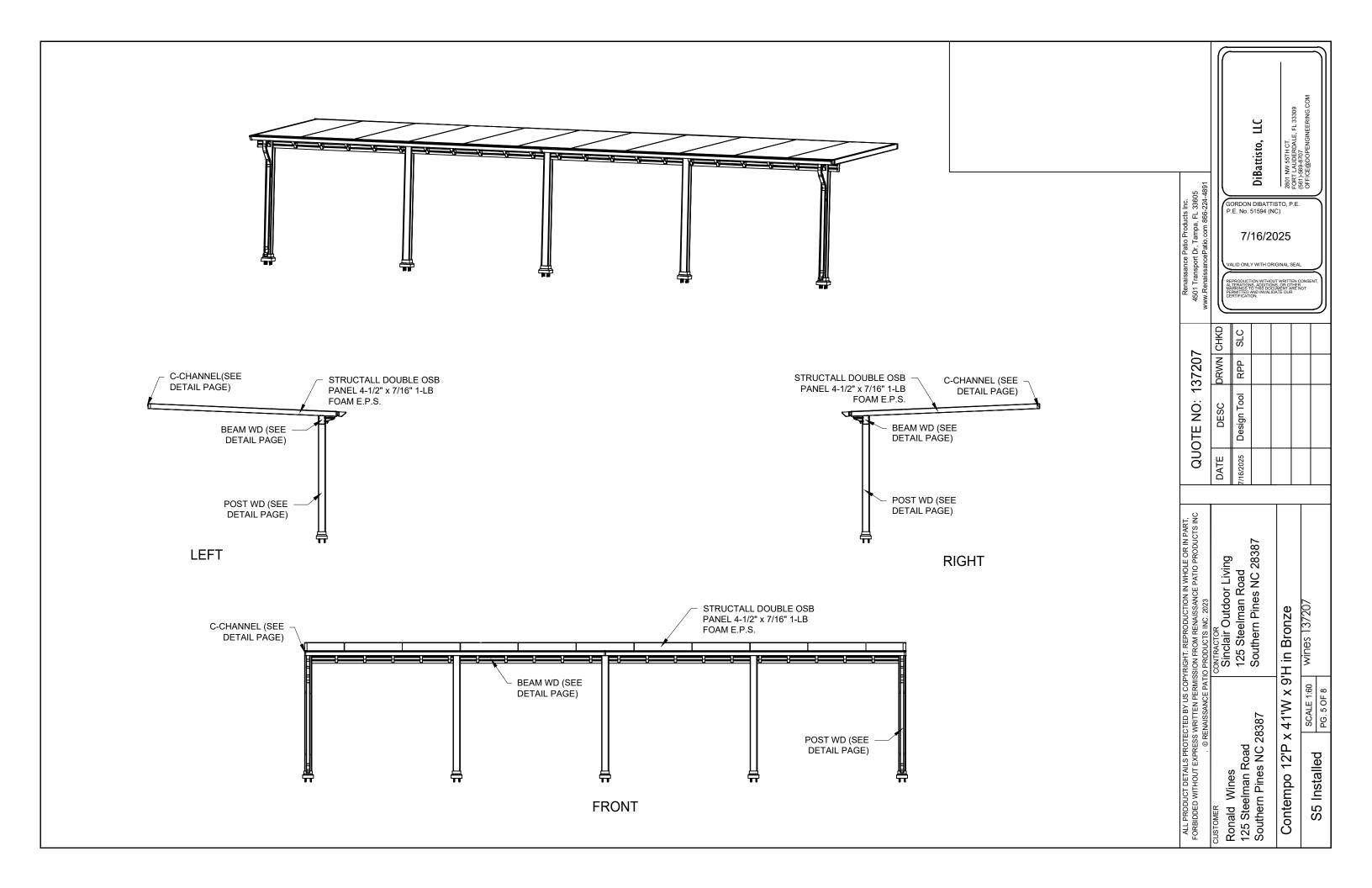


1-4891				DiBattisto, LLC		2801 NW 55TH CT.	FORT LAUDERDALE, FL 33309 (5611-569-8707	OFFICE@DOPENGINEERING.COM		
366-224				DIBAT 51594 (I), P	E.			İ
www.RenaissancePatio.com 866-224-4891		L va		16/2			EAL			
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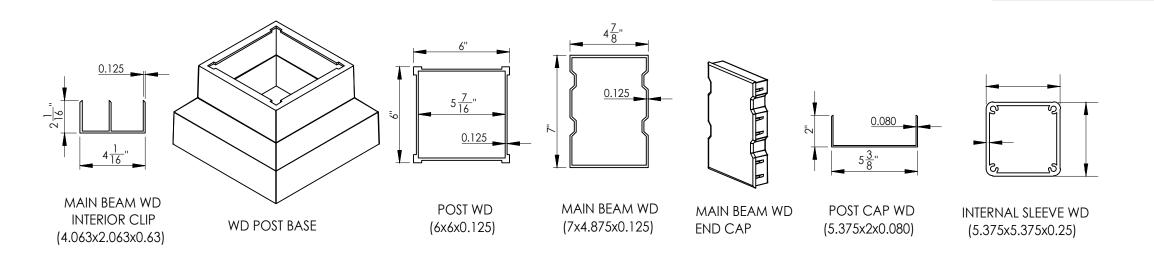
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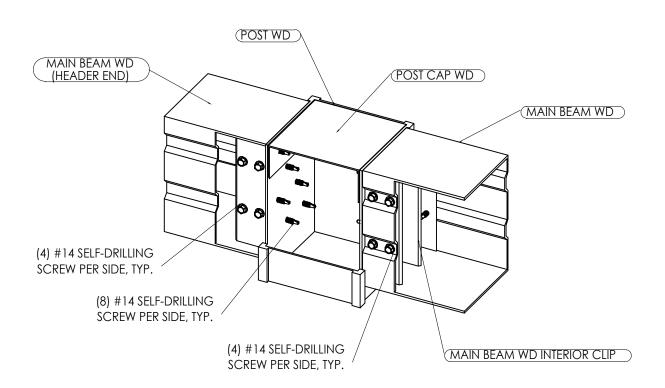
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NAISSANCE PAT	NAISSANCE PATIO PRODUCTS INC. 2023
	CONTRACTOR Sinclair Outdoor Living
	125 Steelman Road
387	Southern Pines NC 28387
41'W×9'	41'W x 9'H in Bronze
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PG. 4 OF 8	

		Sinclair
Ronald Wines		
125 Steelman Road		125 Steell
Southern Pines NC 28387	387	Southern
Contempo 12'P x 41'W x 9'H in Bron:	41'W × 9'	H in Bron
J	SCALE 1:75	wines 137
53 K00I	PG. 4 OF 8	



WD POST FRAME DETAILS AT





POST WD/MAIN BEAM WD CONNECTION

891				DiBattisto, LLC	2801 NW 55TH CT.	FORT LAUDERDALE, FL 33309 (561)-569-8707 OFFICE@DOPENGINEERING.COM	
www.RenaissancePatio.com 866-224-4891		P. REAL	PRODUCT TERATION RIVINGS T RIVITED I	16/2 Y WITH O ION WITH O O THIS OF T	NC)	SEAL EN CONSE	ent,
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Sinclair Outdoor Living 125 Steelman Road Southern Pines NC 28387	'x 9'H in Bronze	137207

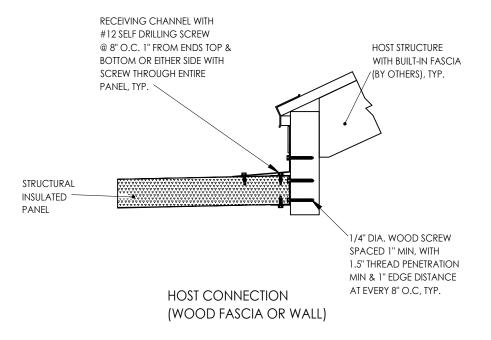
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×41'W×9	x 41'W x 9'H in Bronze
	700751 20011

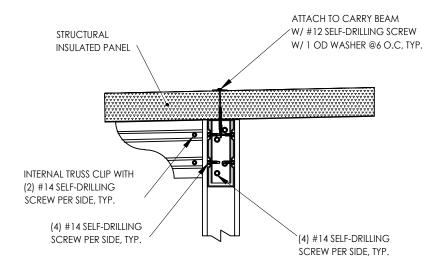
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x 41'W	SCALE	0
Contempo 12'P x 41'W	S6 Post WD	00 - 001

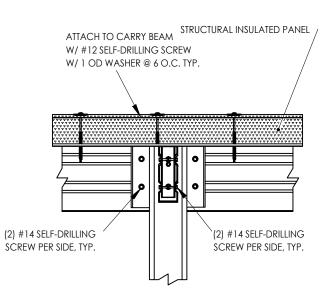
Ronald Wines 125 Steelman Road Southern Pines NC 28387	
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CONTEMPO PATIO COVER CONNECTION DETAILS





PANEL/ PROJECTION & POST CONNECTION (Side Facing View)



PANEL/ PROJECTION & POST CONNECTION (Front Facing View)

DiBattisto, LLC GORDON DIBATTISTO, P.E. P.E. No. 51594 (NC) 7/16/2025 CHKD SLC

137207 DRWN RPP Design Tool QUOTE NO: DESC DATE

CONTRACTOR
Sinclair Outdoor Living
125 Steelman Road
Southern Pines NC 28387

Contempo 12'P x 41'W x 9'H in Bronze

nes 137207

S7 Connection Contempo

Ronald Wines 125 Steelman Road Southern Pines NC 28387

GORDON DIBATTISTO, P.E. P.E. No. 51594 (NC) 7/16/2025 CONTEMPO PATIO COVER STRUCTURAL PARTS DRWN CHKD SLC QUOTE NO: 137207 RPP Design Tool DESC DATE **ROOF RECEIVING** STRUCTURAL INSULATED CHANNEL 3"/4"/6" PANEL (3", 4", 6") ALL PRODUCT DETAILS PROTECTED BY US COPYRIGHT. REPRODUCTION IN WHOLE OR IN PART, FORBIDDED WITHOUT EXPRESS WRITTEN PERMISSION FROM RENAISSANCE PATIO PRODUCTS INC. SUSTOMER Ronald Wines 125 Steelman Road Southern Pines NC 28387 Contempo 12'P x 41'W x 9'H in Bronze S8 Parts Contempo PG. 8 OF 8 Ronald Wines 125 Steelman Road Southern Pines NC 28387