

PRODUCT SUMMARY

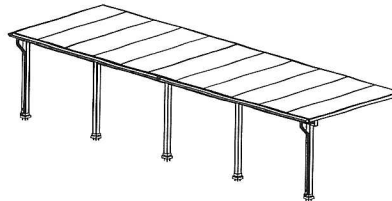
PERGOLA Product: Contempo
WALL Product: None
FRAMING: Wide Post & Beam

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.

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 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.

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
 $K_d = 0.05$, $K_z = 1$, $K_h = 0.57$
 $q_h = 0.00296 \text{ Ksf} \times 1.4 \times 1.0 \times 1.0 \times 1.0 = 16.98 \text{ PSF}$
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
 $S_S = 0.167$, $S_1 = 0.075$, $S_D = 0.8$, $T_L = 8$
 $S_DS = 0.178$, $S_D1 = 0.12$

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 A11 ALUMINUM PERGOLA
MANUFACTURED BY RENAISSANCE PATIO PRODUCTS.



Digitally signed by
Gordon DiBattisto, P.E.
DN: C=US, SN="Gordon DiBattisto, P.E.", G="Gordon DiBattisto, P.E.", E=gordon@doengineering.com, CN="Gordon DiBattisto, P.E."
Location:
Date: 2025.09.26
08:39:38-04'00'

Renissance Patio Products Inc.
4011 Tinsley Dr., Tampa, FL 33605
www.renaissancepatis.com/1005-24-001

QUOTE NO: 137207

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CONTRACTOR
Shindler Outdoor Living
125 Steelman Road
Southern Pines NC 28387

CUSTOMER
Ronald Vines
125 Steelman Road
Southern Pines NC 28387

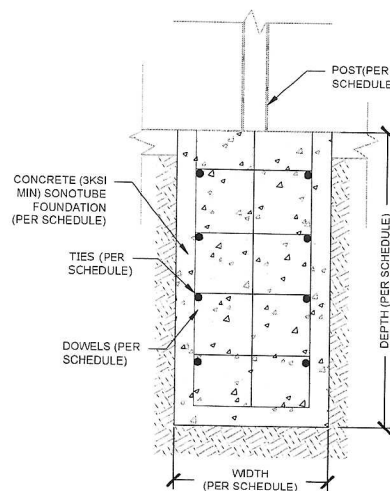
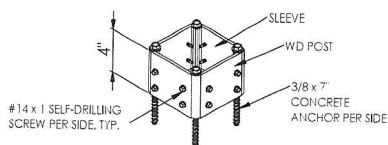
Contempo 12P x 41'W x 9'H in Bronze

SO Summary

SCALE: 1/8" = 1'-0"
FIG. 1 OF 6

DATE: 7/16/2025

7/16/2025



FOOTING TYPE:
ISOLATED DEEP CONCRETE FOOTING (3KSI MIN)
FOOTING DIMENSIONS:
18" DIA. X 24" DEEP
BASE PLATE:
(4) 3/8" BUILDUP+ 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

1. **SOIL BEARING CAPACITY** FOOTINGS HAVE BEEN DESIGNED FOR 2,000 P.S.F. ALLOWABLE SOIL BEARING CAPACITY. STRUCTURE TO BE INSTALLED ON ANY FOOTING FOUNDATION FOR NEW BUILDINGS, STRUCTURES, OR ADDITIONS TO EXISTING BUILDINGS SHALL BE DESIGNED IN ACCORDANCE WITH STATEMENT OF ALLOWABLE BEARING CAPACITY FROM AN ARCHITECT OR PROFESSIONAL ENGINEER. THE DESIGNER SHALL CLEARLY IDENTIFY THE ALLOWABLE IN-PLACE BEARING CAPACITY OF THE BUILDING PAD FOR THE PROPOSED STRUCTURE. THE DESIGNER SHALL STATE THE EXISTING SOIL CONDITIONS. THE CERTIFIED IN-PLACE BEARING CAPACITY SHALL HAVE BEEN DETERMINED BY FIELD TESTING OR RATIONAL ANALYSIS AND SHALL MEET OR EXCEED THE DESIGN BEARING CAPACITY.

2. FOOTINGS SHALL BE FOUND ON WELL COMPACTED VIRGIN SOIL OR AN ENGINEERING FILL.

3. ALL EXTERIOR FOOTINGS SHALL BE TOP OF FOOTING ELEVATION (O.F.E.).

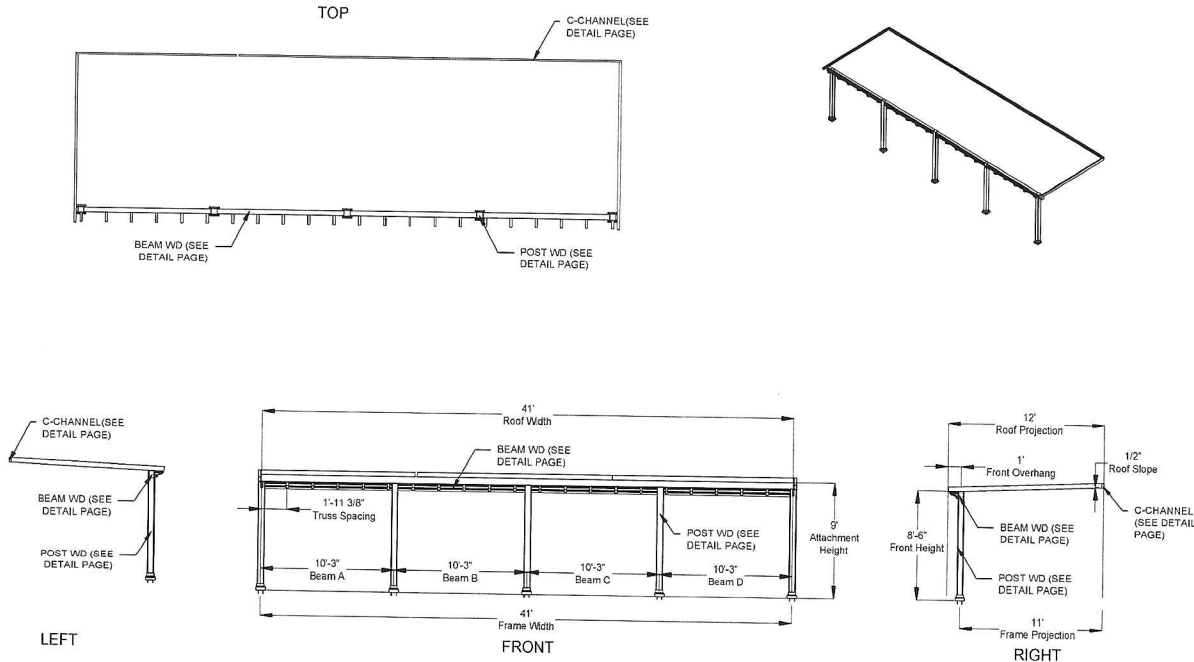
4. ALL EXTERIOR FOOTINGS TO BE BASED ON THE EXISTING FINISHED GRADE, UNLESS OTHERWISE NOTED. ADJUST BOTTOM OF FOOTING AS REQUIRED TO MEET THE REQUIREMENTS OF THE FROST DEPTH SPECIFIED BY LOCAL JURISDICTIONS. BOTTOM OF THE FOOTING SHALL EXTEND 6" BELOW THE FROSTLINE. U.S.

1. ALL BOLTS SHALL BE HOT DIPPED GALVANIZED, OR STAINLESS STEEL & MEET THE REQUIREMENTS OF ASTM A307.
2. WASHERS SHALL BE USED BETWEEN ALUMINUM & BOLT HEAD & BETWEEN WOOD & NUT. WHERE 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.

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CUSTOMER		CONTRACTOR		DATE		DESC		DRWN		CHWD	
Ronald Wines 125 Steelman Road Southern Pines NC 28387		Sindair Outdoor Living 125 Steelman Road Southern Pines NC 28387		7/16/2025		Design Tool		RPP		SLC	
Contempo 12'P x 41'W x 9'H in Bronze		Contempo 12'P x 41'W x 9'H in Bronze									
S1 Foundation		wines 137207									
SCALE 1/32 EQS 2 OF 2											

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.



Quoted by: [Redacted]
4001 Tenthredin Drive, Suite 100
www.RenaissancePatio.com 855-724-4897

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7/16/2025

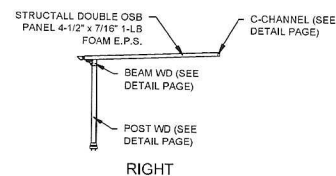
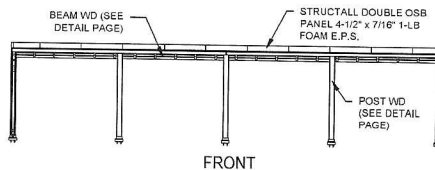
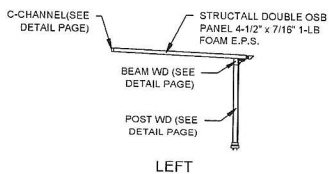
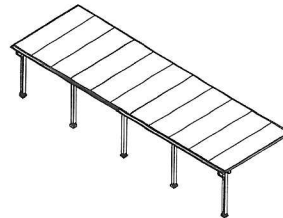
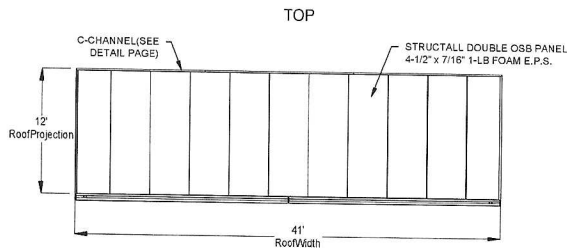
DATE	DESC	DRWN	CHKD
	Design Tool	RPP	SLC

Customer	Supplier
Ronald Vines 125 Steelman Road Southern Pines NC 28387	Sundair Outdoor Living 125 Steelman Road Southern Pines NC 28387
Contempo 12'P x 41'W x 9'H in Bronze	wings 137207
S2 Framing	SCALE: 1/8" = 1'-0"

STRUCTURAL INSULATED PANEL (SIP):

1. SIP SHALL BE MANUFACTURED BY STRUCTALL BUILDING SYSTEM OR AN APPROVED EQUIVALENT MANUFACTURER. PANEL SPACING PARTS 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.



REINFORCEMENT: 40%
40% Tensile D. Tens. FL 10005
www.Reinforce.com 888-221-4881

QUOTE NO. 137207

DATE	DESC	DRWN	CHKD
	Design Tool	RPP	SLC
	PERIODS		

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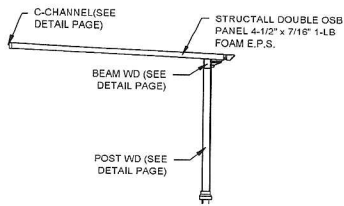
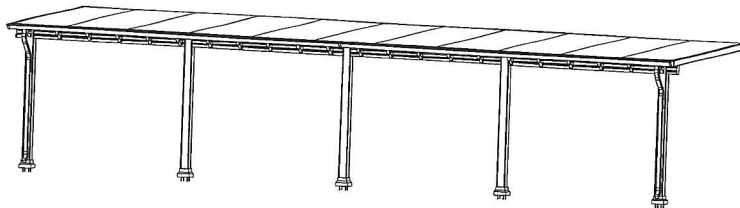
CUSTOMER
Ronald Wines
125 Steadman Road
Southern Pines NC 28387

Contempo 12P x 41W x 9H in Bronze
S3 Roof
SCALE 1/8"
FIG. 4 OF 8

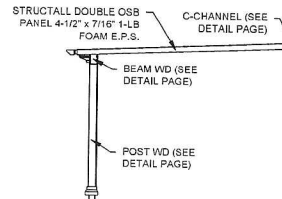
Dibartolo, LLC

7/16/2025

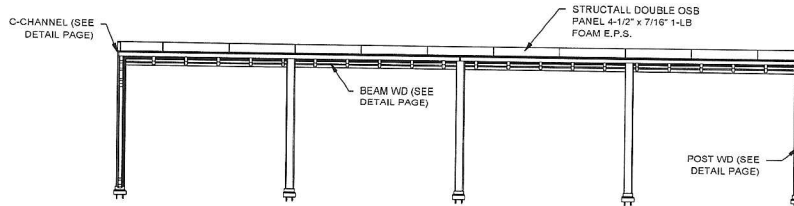
2001 W. 40TH CT.
GORDON GIBARTISTO P.E.
P.E. No. 51594 (NC)
485 FAIRBANKS RD. #100
SOUTH PINE, NC 28387
919-692-0000
www.dibartolo.com



LEFT



RIGHT



FRONT

Recessed Photo Products Inc.
4600 Revere Blvd. Suite 100
www.RecessedPhoto.com 866-224-8891

QUOTE NO: 137207

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CUSTOMER
Ronald Vines
125 Steelman Road
Southern Pines NC 28387

DESIGNER
Sundair Outdoor Living
125 Steelman Road
Southern Pines NC 28387

PROJECT
Contempo 12P x 41W x 9H in Bronze
S5 Installed

DATE
7/16/2025

DESC
Design Tool

DRWN
RPP

CHKD
SLC

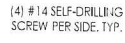
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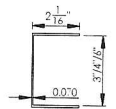
(8) #14 SELF-DRILLING
SCREW PER SIDE, TYP.

(4) #14 SELF-DRILLING
SCREW PER SIDE, TYP.

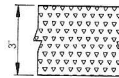
POST WD/MAIN BEAM WD CONNECTION

[illegible]

CONTEMPO PATIO COVER STRUCTURAL PARTS



ROOF RECEIVING
CHANNEL 3" 4" 1/8"



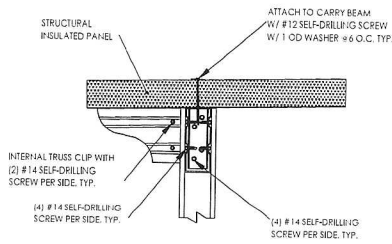
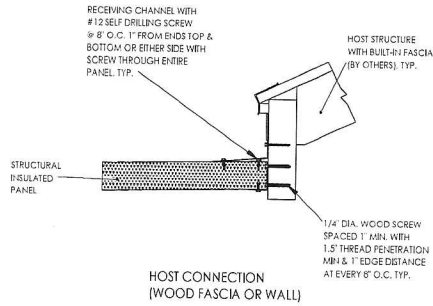
STRUCTURAL INSULATED
PANEL (3' , 4' , 6")

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CUSTOMER Ronald Vines 125 Steelman Road Southern Pines NC 28387	QUOTE FOR Sundair Outdoor Living 125 Steelman Road Southern Pines NC 28387	DATE	DESC	DRWN	CHKD
		7/16/2025	Design Tool	RPP	SLC
		Contempo 12P x 41W x 8H in Bronze			
58 Parts Contempo	SCALE 1:1	TOTAL 137207			
		TOL. 1/8 OF 8			

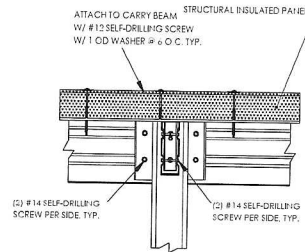
Dibattisto, LLC
200 W. 10TH STREET, # 1203
TAMPA, FL 33604
GARY@DIBATTISTO.COM

GORDON GUERRERO P.E.
P.E. No. 0158 (FL)
7/16/2025

CONTEMPO PATIO COVER CONNECTION DETAILS



PANEL/ PROJECTION & POST CONNECTION
(Side Facing View)



PANEL/ PROJECTION & POST CONNECTION
(Front Facing View)

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QUOTE NO: 137207

DATE

DESC

DRWN

CHKD

Design Tool

RPP

SIC

PHOTOS

PROCESS

DATE

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Design Tool

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