Building Permit Application

☐ New construction

☐ Commercial

Suite/bldg./apt. no.:

Tax map/parcel no .:

Subdivision:

Phone:

Phone:

Phone:

CCB lic.: E-mail:

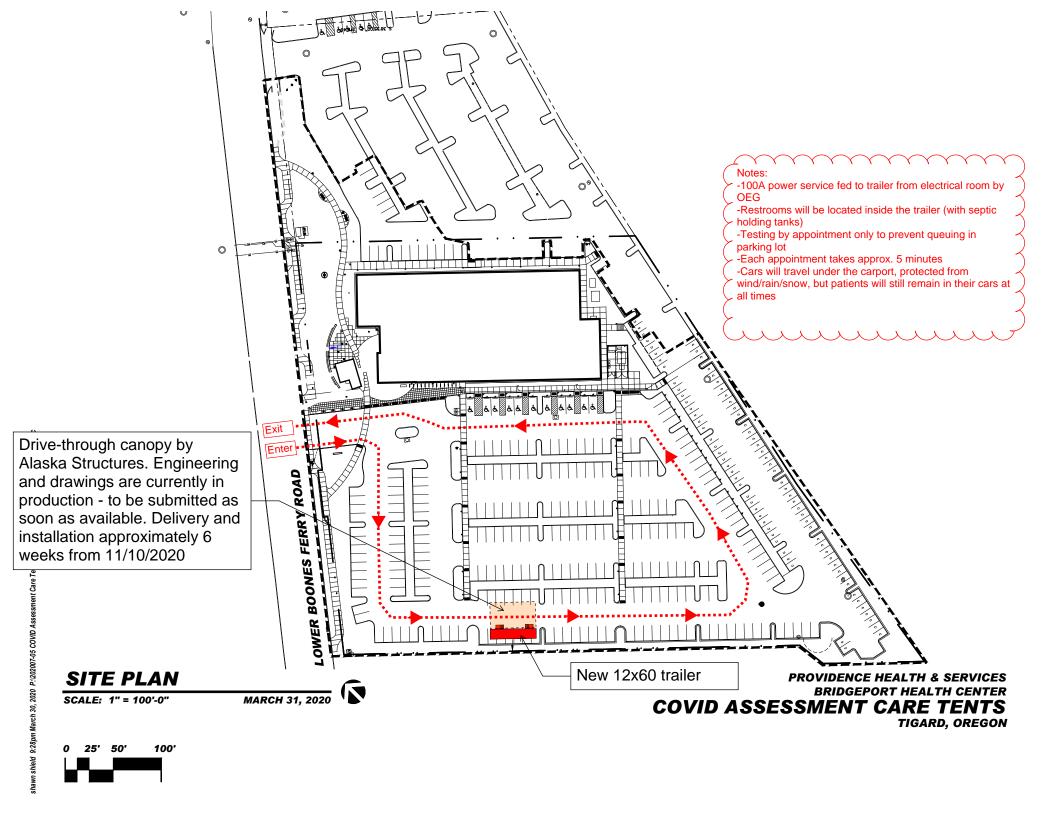
Business name: Address: City/State/ZIP:



Building Permit Applica City of Tualatin 18880 SW Martinazzi Ave. Tualatin, OR 97062 Phone: 503-691-3044 Fax: 503-692-0147 v		Date received:Permit # Date Issued: By: Receipt:				
		12 400 1334040				
☐ New construction	E OF WORK		Permit fees are based on the value of the work performed.			
Addition/alteration/replacement	Other:		Indicate the value (rounded to the materials and labor for the work d	nearest dollar) of all		
	OF CONSTRUCTION		application.	escribed on this		
1- and 2-family dwelling	☐ Multi-family		Valuation			
Accessory building	☐ Industrial		Number. of bedrooms:			
Commercial	☐ Other:		Number of bathrooms:			
	RMATION AND LOCATION		Total number of floors:			
ob site address: 18040 Lower Boone			New dwelling area:	square feet		
City/State/ZIP: Tigard, OR, 97224	, <u>,</u>		Garage/carport area:	square feet		
Suite/bldg./apt. no.:	Project name: Prov. Bridg	eport COVID	Covered porch area:	square feet		
Cross street/directions to job site:	SW Childs		Deck area:	square feet		
			Other structure area:	square feet		
Subdivision:	Lot no.:		REQUIRED DATA: COMMERCIAL-USE CHECKLIST			
Tax map/parcel no.:	·		Permit fees are based on the value			
DESCRI	PTION OF WORK		Indicate the value (rounded to the nearest dollar) of all materials and labor for the work described on this			
Installation of a wheeled, prefab	ricated structure and adjacer	nt canopy to	application.			
act as shelter for caregivers du	ring testing of COVID patien	ts at drive-	Valuation \$15,000			
thro	ugh facility.		Existing building area: square feet			
	OWNER		New building area: 720	square feet		
Name: Providence Medical Group			Number of stories: 1			
Address: 4400 NE Halsey Street, B	uilding #2		Type of construction:			
City/State/ZIP: Portland, OR 97213			Occupancy groups:			
Phone: (503) 515-6791			Existing:			
Email: evan.schaye@providence.d	org		New:			
А	PPLICANT		BUILDING PERMIT FEES			
Business name: Providence Medical	Group		Please refer to fee	e schedule		
Contact name: Evan Schaye			FEE TYPE	AMOUNT		
Address: 4400 NE Halsey Street, B	uilding #2		PERMIT FEE	147		
City/State/ZIP: Portland, OR 97213			PLAN CHECK FEE			
Phone: (503) 515-6791			(Due upon application) FIRE LIFE SAFETY FEE	95.55		
E-mail: evan.schaye@providence.	org		(Due upon application)	66.15		
CON	TRACTOR		STATE SURCHARGE (12% of permit fee)	17.64		
Business name:			METRO CET			
Address:			(0.12% of valuation)			
City/State/ZIP:			DEFERRED SUBMITTAL			
Phone:	,		OTHER			
CCB lic.: METRO	Dlic.: City Bus. lic.	:	TOTAL FEES	326.34		
E-mail:			NOTES:			
Authorized signature:						
Print name: Evan Schave	Date: 11/0	02/2020	This permit application will ex-			

Date: Print name: Evan Schaye

obtained within 180 days after it has been accepted as complete.



Initial draft of 22x40 canopy calculations, engineering and full drawings will be submitted at a later date. 5' x 20 (1.52m x 6.10m) Cover w/Blue Strip 11'-5" (3.48m)(2.13m)40' 14' x 8' (12.19m) (4.27m x 2.44)
Heavy Duty Double
Zipper w/Pulley Track Roll Up
Qty: 2 Heavy Duty Double Zipper __ Óty: 1 22' Square Net w/Clear Vinyl Window
Qty: 4 (6.71m)5' (1.52m)



22'x40' HGB 1'EH (6.71m x 12.19m)

BUILDING SPECIFICATIONS

CONTACT INFORMATION

toll free: +1-888-370-1800 local: +1-907-344-1565

www.ALASKASTRUCTURES.com

LEGAL

PROPRIETARY AND CONFIDENTIAL

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CONCEPTUAL DRAWING

ALL PICTURES AND FLOOR PLANS ARE FOR VISUAL
REPRESENTATION ONLY AND SUBJECT TO CHANGE

STRUCTURAL NOTES:

DESIGN INFORMATION & LOADING:

1.1. BUILDING CODE IBC, 2018 EDITION, OSSC-2019 **ROOF LIVE LOAD** 30 PSF (SNOW), Is=1.0, Cf=1.15 1.2. 1.3. FLOOR LIVE LOAD 50 PSF OR 2,000# CONC. (OFFICE)

1.4. WIND CRITERION 120 MPH, EXP C, Kzt=1.0

SDS=1.200, le=1.0, SITE CLASS D, CATEGORY D 1.5. SEISMIC CRITERION

1.6. ASSUMED SOIL BEARING 1,500 PSF

1.7. WALL PLATE HEIGHT

ROOF SLOPE 2:12 OR FLATTER 1.8.

CONCRETE: 2.

DESIGN COMP.STRENGTH 2,500 PSI 2.1. REINF. YIELD 60 KSI 2.2. 3.

MASONRY:

3.1. 8x16x8 UNITS ASTM C-90, GRADE N

3.2. SET UNITS W/CORES VERTICAL & NO MORE THAN 3 HIGH, PER PLAN. WITHOUT SOLID GROUTING CORES. SOLID GROUTED CORES OVER OVER 5 HIGH REQUIRES SPECIFIC ENGINEERING.

WOOD: 4.

- ALL WOOD TO BE HEM-FIR STUD GRADE OR BETTER. 4.1.
- 4.2. WOOD FRAMING AND SHEATHING WITHIN 6-INCHES OF GRADE TO BE PRETREATED FOR EXPOSURE TO MEET IBC 2015 2303.01.9.
- CONNECTORS IN TREATED MATERIALS SHALL BE HOT-DIPPED GALVANIZED 4.3. OR STAINLESS STEEL PER IBC 2015, 2304.10.5.
- SET MODULAR BUILDING SUCH THAT THE FLOOR JOISTS ARE A MINIMUM OF 18-INCHES ABOVE FINISHED SUBGRADE BELOW BUILDING.
- SPECIALTY ITEMS: ("MINUTE MAN PRODUCTS, Inc." (800) 438-7277

www.minutemanproducts.com, OR EQUIVALENT.)

- 5.1. METAL PIERS TO BE CAPABLE OF SUPPORTING 6,000#
- HOLD-DOWNS SET IN SOIL AND LOOSE GRAVEL SHALL BE SOIL ANCHOR AUGAR-TYPE SET VERTICAL W/STABILIZER PLATE OR HEAD; OR DRIVEN ANCHOR W/ STABILIZER PLATE OR HEAD, W/ A MIN, DESIGN WORKING LOAD OF 3,150# AND AN ULTIMATE LOAD OF 4,725#. NUMBER OF ANCHORS AS INDICATED ON TABLE A. CORNER TIE-DOWNS TO BE WITHIN 3'-0" OF THE BUILDING CORNER. TIE-DOWNS OTHER THAN AT THE CORNERS SHALL BE SPACED EQUALLY. EACH INDIVIDUAL EQUALLY SPACED TIE-DOWN SHALL BE WITHIN 4'-0" OF THE EQUAL SPACING.
- TIE-DOWNS TO STABLE CONCRETE SHALL BE EITHER A MMA-18-THDLS FOR PRE-POURED CONCRETE OR A MMA-42-210-PDH POUR INTO THE CONCRETE. NUMBER OF ANCHORS PER
- TIE-DOWNS SET IN AN ASPHALT ROADWAY OR PARKING AREA SHALL BE 5.4. "ROCK-TYPE" ANCHORS
- INSTALL GROUND PORTION OF THE ANCHOR PRIOR TO SETTING THE 5.5. BUILDING. CONNECT ANCHOR TIES TO BUILDING ONLY AFTER BUILDING IS FULLY BLOCKED AND LEVELED.
- INSTALL ALL SPECIALTY ITEMS PER THE MANUFACTURER'S RECOMMENDATIONS. SEE INSTALLATION INSTRUCTION MANUAL.

4. **VENTING:**

- 4.1. PROVIDE UNDER FLOOR VENTILATION PER IBC CODE AND LOCAL REQUIREMENTS AT 1 NET SF OF VENTILATION PER 150 SF OF FLOOR AREA.
- IF A SUITABLE VAPOR RETARDER IS INSTALLED THE RATIO MAY BE 4.2.

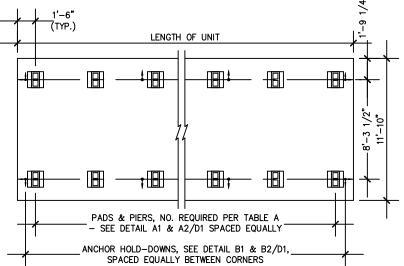
INCREASED TO $\frac{1}{1}$ 500. IF ACCEPTABLE TO THE LOCAL BUILDING OFFICIAL.

ACCESS: 6.

- PROVIDE ACCESS TO THE UNDER FLOOR AREA PER THE CODE. 6.1.
- PROVIDE 12" MIN. CLEARANCE FROM SOIL TO UNDERSIDE OF ALL BUILDING SUPPORT MEMBERS.

7. SITE CONDITIONS:

- FOUNDATION SUBGRADE TO BE UNDISTURBED NATIVE SOILS OR STRUCTURAL FILL, COMPACTED TO 95% OF THE STANDARD PROCTOR **DENSITY PER ASTM D-698.**
- SLOPE FINISHED GRADE AWAY FROM THE BUILDING FOUNDATION AT A MIN. GRADE OF 5% FOR THE FIRST 10-FEET AND 2% THEREAFTER TO A SUITABLE DISCHARGE.



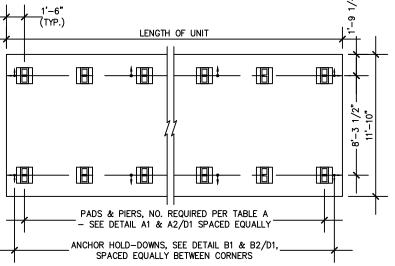
WIDE MODULAR FOUNDATION PLAN SCALE: 1/8" = 1'-0"

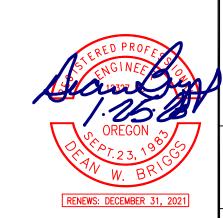
TABLE A

MODULE RAIL PIER/PAD SPACING

INSTALL PIER/PADS UNDER CHASSIS, SPACED EQUALLY BETWEEN CORNER PIERS INSTALL HOLD-DOWNS, SPACED EQUALLY BETWEEN CORNER HOLD-DOWNS

LENGTH OF UNIT	# PADS & PIERS	# HOLD-DO	WN ANCHORS
	EACH SUPPORT RAIL	ËA.SIDE	EA.END
32'-0"	8	3	2
40'-0"	10	4	2
42'-0"	10	4	2
44'-0"	11	4	2
48'-0"	11	4	2
56'-0"	13	5	3
60'-0"	14	5	3





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BRIGGS FOUNDATION - DETAILS

DEAN W. BRIGGS,

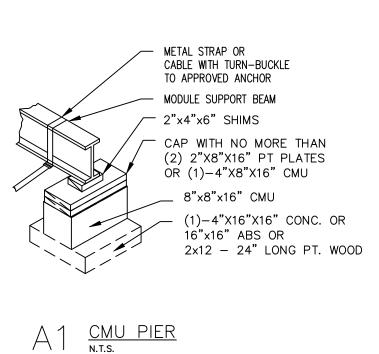
AREA

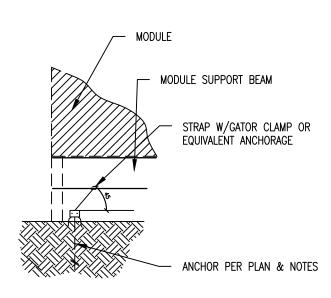
OFFICE BUILDINGS NORTHWEST TYPE | NOTES -PIER PLAN - N 12' MOBILE **PACIFIC** PAD

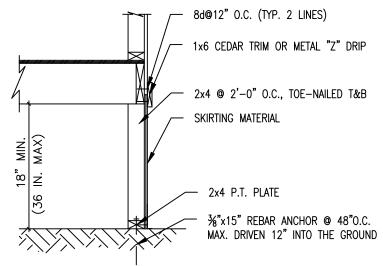
REVISION DATE: 1/25/2020 1 of 2

SHEET:

ANDREW WEIDL

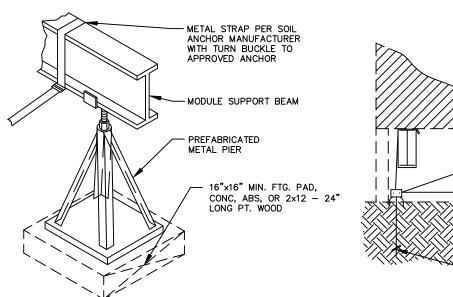


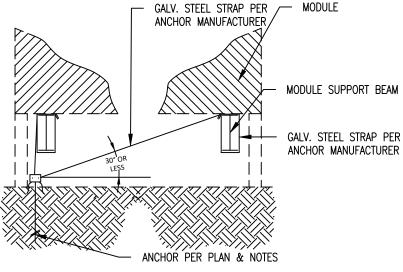




ANCHOR-ENDWALL

SKIRTING DETAIL-NONBEARING NTS.

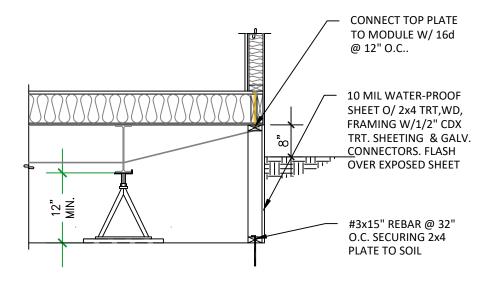




SKIRTING DETAIL-STRUCTURAL/PITSET

 $A \supseteq \frac{PAD \& PIER}{N.T.S.}$

B2 SOIL ANCHOR-SIDEWALL



RENEWS: DECEMBER 31, 2021

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S

BRIGGS

DEAN W. BRIGGS, PE

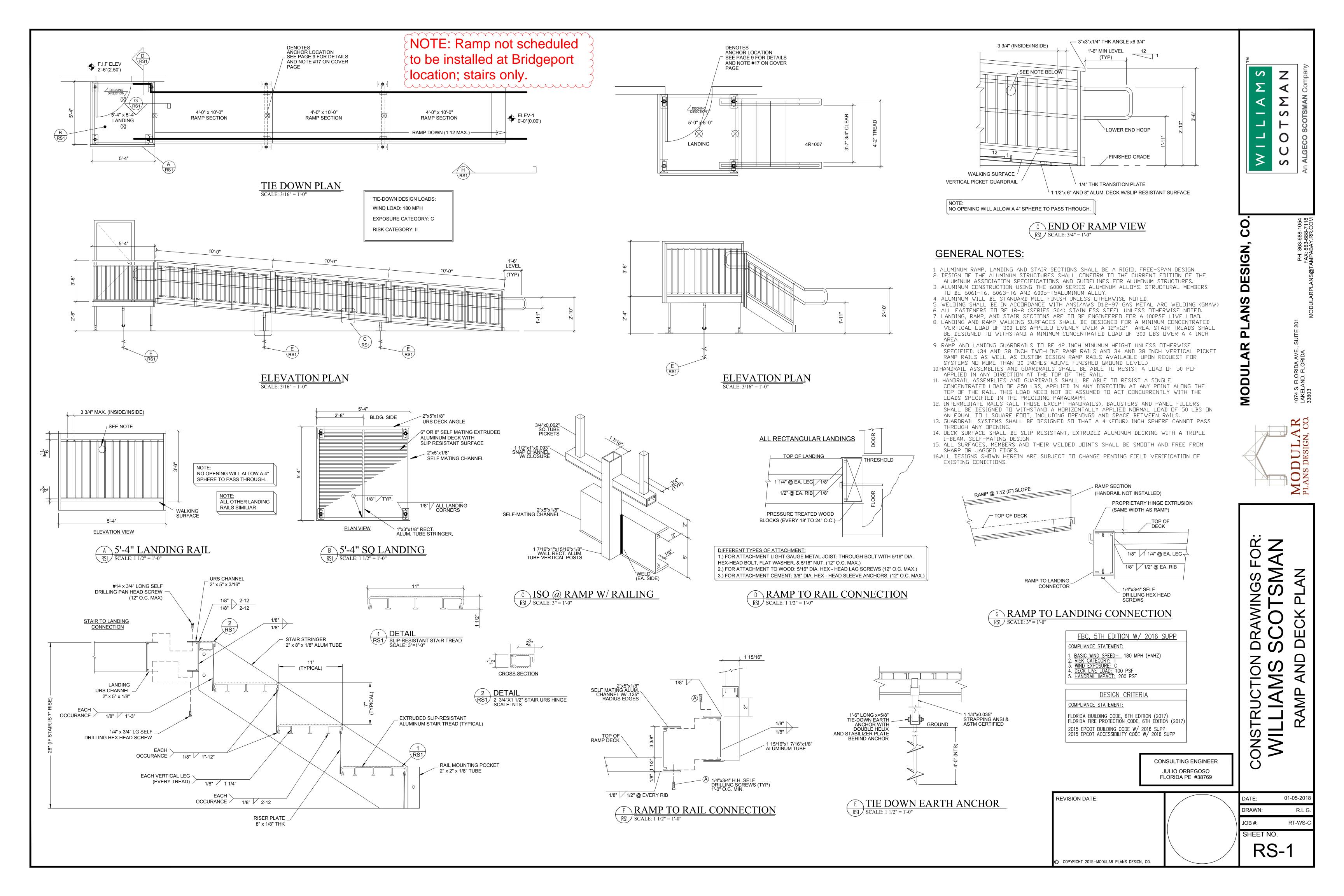
PIER TYPE FOUNDATION DETAILS IBC-2018, OSSC-2019 SINGLE-WIDE MOBILE OFFICE BUILDINGS ACIFIC NORTHWEST AREA

PAD &

REVISION DATE: 1/25/2020 2 of 2

ANDREW WEIDL

SHEET:



MULLIARIC CONTERIARIE DA		PRE-FABRICATED BUILDING DESIGN - FOUNDATION CALCULATIONS IBC 2018								
DFALFR	WILLIAMS SCOTSMAN - PACIFIC NORTHWEST MOBILE BUILDINGS			120	30	1500				
DATE: 25-Jan-20	1.00	0%	1.5	С	2.0	4725				
PROJECT # 201904.09.2-1	201904.09.2-1 II		1.2	STATES:	OR					
	1.0	4.0	D							

2	Га	b	le	of	Co	nt	en	ts

		-	
MOBILE OFFICE BUILDING SINGLE WIDE FOUNDATIONS	WIDTH:	LENGTH:	
	8	20	
	8	28	
	8	32	
	8	34	
	8	40	
	10	20	
	10	32	
	10	36	
	10	42	
	10	44	
	10	50	
	12	32	
	12	40	
	12	42	
	12	44	
	12	48	
	12	56	
	12	60	
	14	56	
	14	60	
	14	66	
	14	70	
MOBILE OFFICE BUILDING MULTI WIDE FOUNDATIONS	WIDTH:	LENGTH:	
	24	60	
	36	60	
	36	74	
	48	60	
	60	60	
	28	60	
	42	60	
	56	72	



RENEWS: DECEMBER 31, 2021

25-Jan-20

DEALER

DATE:

PRE-FABRICATED BUILDING DESIGN - FOUNDATION CALCULATIONS

WILLIAMS SCOTSMAN - PACIFIC NORTHWEST MOBILE BUILDINGS

CRITERIA: 30,50,120C,D,1.5,1500

FDN. TYPE: 12-FT Wide Mobile, OFFICE

IBC 2018

PROJECT #	201904.09.2-1	STATES: OR				
DESIGN CDITE						
I. DESIGN CRITE I Dead Load:	NIA.					
Deau Loau.	Roof, RDL =	12 psf				
	Floor, FDL =	10 psf				
	Wall, WDL =	8 psf				
Roof Live Load:	waii, wdl -	ο μει				
ROOI LIVE LOAG.	Snow Load DII -	30 psf				
	Snow Load, RLL = Load Duration Factor, Cd =	1.15 %				
Floor Lood.	Load Duration Factor, Cd =	1.15 %				
Floor Load:	Uniform Floor Load, FLL = OFFICE	EO mof	ASCE 7 Table 4.2.1			
	,	50 psf	ASCE 7, Table 4.3-1			
	Concentrated Live Load, p =	2000 lbs.	ASCE 7, Table 4.3-1			
Maria I and	Partion, PDL =	15 psf	IBC Section 1607.5			
Wind Load:	ASCE - Section 28.6	11	ACCE 7 Table 1 F 1			
	Building Risk Category: Category	120 mmh	ASCE 7, Table 1.5-1			
	Basic Wind Speed, V =	120 mph	ASCE 7, Table 26.5-1B			
	Directional Factor Kd =	0.85	ASCE 7, Table 26.6-1			
	"a" Edge Pressure Distance =	3.60 ft	ASCE 7, Figure 28.5-1			
	Roof Slope = 2.00 :12 =	9.46 Degrees	1005 7 5: 00 5 1			
	Edge Wind Pressure, Wep =	25.8 psf	ASCE 7, Figure 28.5-1			
	Interior Wind Pressure, Wip =	17.1 psf	ASCE 7, Figure 28.5-1			
	Average Wind Pressure, Wp =	19.71 psf	ASCE 7, Figure 28.5-1			
	Exposure Category = C Exposure Factor, λ =	1.21	ASCE 7, Figure 28.5-1			
	Wind Topographic Factor, Kz =	1.00	ASCE 7 Section 26.8.1			
	Design Wind Pressure , $Pw = Wp*\lambda*Iw*Kz =$	23.9 psf	ASCE 7, Figure 28.5-1			
Seismic:	ASCE - Section 12.14					
	Total Weight, Wtot =	35.50 psf				
	Storage Load % Used in Seismic Design =	0%	ASCE 7, 12.7.2.1			
	Partition Load Used in Seismic Design =	10 psf	ASCE 7, 12.7.2.2			
	Equipment Load % Used in Seismic Design =	100%	ASCE 7, 12.7.2.3			
	Snow Load % Used in Seismic Design =	0%	ASCE 7, 12.7.2.4			
	Seismic Improtance Factor, Is =	1.00	ASCE 7, Table 1.5-2			
	Seismic Site Class	D	ASCE-7, Section 11.4.1&2			
	Seismic Category =	D	ASCE 7, Table 11.6.1 & 11.6-2			
	Mapped Spectral Accelerations, short periods, Ss =	1.50 0.50	ASCE 7, Figures 22-1 to 22-6			
	Site Coefficient, Fa =	1.20 2.400	ASCE 7, Tables 11.4-1&2			
	Max. Spectral Response, SMS = Fa*Ss =	1.80 1.200	ASCE 7, EQ 11.4-1 & 11.4-2			
	Design Spectral Response, SDS = 2/3*SMS =	1.20 0.800	ASCE 7, EQ 11.4-3 & 11.4-4			
	Response Modification Coefficient, R =	4.00	ASCE 7, Table 12.2-1			
	Redundancy Factor, ps =	1.00	ASCE 7, Section 12.3.4			
	Cs = Ie*Sds/R	0.3002	ASCE 7, EQ 12.8-2			
	Ct = 0.02 $x = 0.75$		ASCE 7, Table 12.8-2			
	Ta (sec) = Ct*hn^x	0.1125	ASCE 7, EQ 12.8-7			
	TL (sec) =	6	ASCE 7, Figures 22-12 to 22-16			
	Csmax =	1.7783	ASCE 7, EQ 12.8-3 & 12.8-4			
	Csmin =	0.3000	ASCE 7, EQ 12.8-5 & 12.8-6			
	Total Shear , pst = ps*Cs*Wtot =	10.66 psf	ASCE 7 EQ 12.14-11			
	Load Factor for Ultimate	1.00 psi	IBC Section 1605.2			

Carriage Beam Height, CBht, =

12 inches

DRIGGS ENGINEERING, IIIC.						deane briggs engineering.com		
PRE-FABRICAT	ED BUILDING DESIGN -		IBC 2018					
DEALER	WILLIAMS SCOTSM	AN - PACIFIC NORT	HWEST MOB	CRITERIA: 30,50,120C,D,1.5,1500				
DATE:	25-Jan-20				FDN. TYPE:	12-FT Wide Mobile, OFFICE		
PROJECT #	201904.09.2-1				STATES:	OR		
Dimensions:								
	Module Width, MW	<i>l</i> =			12	ft.		
	Module Length, ML	. =			60	ft.		
	Width, W =	# Units = 1			12.00	ft.		
	Length, L =	# Units = 1			60.00	ft.		
	Wall Height, Wht =				9.00	ft.		
		2 ::	L2 Slope		1.00	ft.		
	Floor Height above	NG, Fht =		30 inches	2.50	ft		
	Building Ht Coeff, Htc = Rht+Wht+Fht-15				1.00			
	Clear Distance betw	veen supports, L2a	=		99.50	inches		
	Joist Overhang, L2b) =			22.25	inches		

PRE-FABRICATED BUILDING DESIGN - FOUNDATION CALCULATIONS IBC 2018

DEALERWILLIAMS SCOTSMAN - PACIFIC NORTHWEST MOBILE BUILDINGSCRITERIA:30,50,120C,D,1.5,1500DATE:25-Jan-20FDN. TYPE:12-FT Wide Mobile, OFFICE

PROJECT # 201904.09.2-1 **STATES:** OR

II. FOUNDATION DESIGN

A. Foundation Components

Individual Bearing Pads - Poured-in-place, Concrete Bearing Pads

Width, wbp = 16 inches
Length, lbp = 16 inches
Minimum Pier Bearing Area, BA1 = (At Base of Pier) 256 Sq. Inches
Minimum Prepared Base Depth, gbd = 2 inches
Minimum Bearing Area, BA2 = (At Base of Base) 324 Sq. Inches

IBC-T.18.4.2 Allowable Bearing Pressure At Bottom of Base Material = 1500 psf. By Others

Allowable Load, Pbp = (BA)/144*Q = 3375 pounds

Anchors - Single or Double Helix 'Auger' Type

Anchor Capacity (Ultimate Design Value), Anchc = 4725 lbs.

B. Exterior Pads (Around Perimeter)

Floor and Roof Loads:

Exterior Pads Required, Epr = 1 pad
Allowable Load, Pfla = 3375 lbs.

Exterior Uniform Floor Load, ufll = (FLL+FDL+RLL+RDL+PDL)*MW/2-770 lb/ft.

Max. Pad Spacing, Mps1 = Pfla/ufll = 4.39 ft.

Use: (14) 16-inch x 16-inch pad @ 4.39-ft o.c. supporting exterior frames.

C. Interior Pads (Floor Loads Only)

Floor Loads:

Interior Pads Required, Ipr = 1 pad
Allowable Load, Pfla = 3375 lbs.
Interior Uniform Floor Load, iflI = (FLL+FDL+PDL)*MW/2+Wht*WDI 518 lb/ft.
Max. Pad Spacing, Mps2 = Pfla/iflI = 6.52 ft.

Use: N/A

D. Column Pads (Roof Loads Only)

Roof Loads:

Column Pads Required, Cpr =2 padsAllowable Load, Prla =6750 lbs.Mateline Roof Beams Uniform Roof Load,mbrl = (RLL+RDL)*MW =504 lb/ft.Effective Mateline Beam Span Per Set of Pads, Mbs = Pfla/mbrl =13.39 ft.

Use: N/A

E. Lateral Design

1. Longitudinal Walls (Anchors Along Front & Back, Long Walls)

Unit Wind Load, UWL1 = (Wht+Rht+Fht/2)*Pw= 268 plf Governs 128 plf Unit Seismic Load, USL1 = W*pst = Angle of Anchor Strap, Asa, Radians 0.79 45 degrees Effective Soil Anchor Resistance, ESAR @ Asa° = 3326 lbs. Building Weight = 25560 lbs 426 plf % Building Weight Used for Lateral Sliding 0% Transverse Foundation Friction Factor = 0.40Gravity Resistance, GR = Building WT * Friction Factor = 0 lbs. 0 plf OTM = Lateral Load*L*wht/2+(Wind Uplift) 72445 Ft-lbs

OTM = Lateral Load*L*wht/2+(Wind Uplift) /2445 Ft-lbs

RM = Building Wt*W/2 153360 Ft-lbs

Factor of Safety = RM/OTM 2 No Uplift Anchors Required

Use: (1) Anchor per " 12.4 ft = (5) Anchors Per Side

PRE-FABRICATED BUILDING DESIGN - FOUNDATION CALCULATIONS

IBC 2018

DEALERWILLIAMS SCOTSMAN - PACIFIC NORTHWEST MOBILE BUILDINGSCRITERIA:30,50,120C,D,1.5,1500DATE:25-Jan-20FDN. TYPE:12-FT Wide Mobile, OFFICE

PROJECT # 201904.09.2-1 **STATES:** OR

2. Lateral Walls (Anchors Along End, Short Walls)

Unit Wind Load, UWL2 = (Wht+Rht/2+Fht/2)*Pw = 256 plf
Unit Seismic Lateral Load, USL2 = L*pst = 639 plf Governs
Angle of End Anchor Strap, Asea, Radians 0.79 45 degrees
Effect. End Soil Anchor Resist.., ELSAR @ Asa° = 3326 lbs.

% Building Weight Used for Longitudinal Sliding 0%

% Building Weight Used for Longitudinal Sliding
Longitudinal Foundation Friction Factor = 0.40

Gravity Resistance, GR = Building WT * Friction Factor = 0 #

OTM = Lateral Load*W*wht/2 34524 Ft-lbs

RM = Building Wt*W/2 766800 Ft-lbs

Factor of Safety = RM/OTM 22 No Uplift Anchors Required

Use: (1) Anchor per 5.21 ft = (3) Anchors Per End

ADDITIONAL 12-FT. WIDE OFFICE BUILDING LENGTHS

<u>Length</u>	Ext Pads	Int Pads	Longitudinal Anchors (MOD Side)	<u>Lateral</u> Anchors (MOD <u>End)</u>	Bldg Wt.	Bldg Wt. Load	Seismic Load
32	8	0	3	2	14388	0	4319
40	10	0	4	2	17580	0	5277
42	10	0	4	2	18378	0	5516
44	11	0	4	2	19176	0	5756
48	11	0	4	2	20772	0	6235
56	13	0	5	3	23964	0	7193
60	14	0	5	3	25560	0	7672