

8'-0" x 12'-0" (ACTUAL SIZE) 812 O/A GUARD BOOTH PLAN

B

Twin Modular Services Inc.

1001 Lower Landing Road Suit 607, Blackwood , NJ

DESIGN BASIS			
State/Jurisdiction	Indiana		
Building Code	2008 Indiana Building Code		
Plumbing Code	1997 Uniform Plumbing Code with 1999 Indiana Amendments		
Electrical Code	2009 Indiana Electrical Code		
Mechanical Code	2008 Indiana Mechanical Code		

LIFE SAFETY SUMMARY			
Construction type		VB	
Sprinkler Increase, I _S		1.00	
Frontage Increase, I _F		1.00	
Allowable Area Per Story, A _A		900 ft ²	
Allowable Height Above Grade		2 stories	
		40 ft	
LEVEL	OCCUPANCY	AREA	OCCUPANT LOAD
1	B	96 ft ²	1

STRUCTURAL DESIGN CRITERIA				
GRAVITY LOADS		SEISMIC (IBC)		
	Floor Live	50 psf	Seismic Design Category	C
	Floor Dead	10 psf	Site Class	D
	Roof Live	40 psf	Importance Category	1.0
	Roof Dead	10 psf	Occupancy Category	II
	Exterior Wall Dead	5 psf	Mapped Accelerations	
			S _a	0.55
			S _i	0.13
SNOW	Ground Snow Load	30 psf	Spectral Response	
	Flat-Roof Snow, P _f	23.1 psf	S _{DS}	0.49
			S _{D1}	0.19
WIND	Wind Speed (3 Second Gust)	120 mph	Seismic Force Resisting System	A13
	Exposure Category	C	Design Base Shear	0.08W
	Internal Pressure, GC _{pi}	+/-0.18	Response Modification Factor	3.0
	Base Wind Pressure, P _f	26.6 psf	Analysis Procedure	ASCE 7-05
	Mean Roof Height	15 ft		Sec. 12.8
WIND	Setback	Greater than 10 feet to a common or assumed property line.	FLOOD	
			Building shall not be located, in whole or in part, in a flood hazard area as established by the authority having jurisdiction unless set on a foundation designed in accordance with ASCE/SEI 25. The flood resistant foundation shall be designed by a registered design professional and constructed to resist all flood loads without transferring loads to the modular structure.	
		Building shall not be placed on the upper half of a hill or escarpment exceeding 15 feet in height.		

DRAWING INDEX	
1.	Cover Sheet
1.1	General Notes
1.2	Specifications
2.	Elevations
3.	Floor Plan
3.1	Framing Details
3.2	Framing Details
4.	Electrical Plan
5.	Cross Section
6.	Blocking Plan

THIS PLAN MAY BE REVERSED OR MIRRORED.

ACCESSIBILITY EXCEPTIONS

1103.2.7 Raised areas. Raised areas used primarily for purposes of security, life safety, or fire safety including but not limited to, observation galleries, prison guard towers, fire towers or life guard stands are not required to be accessible or to be served by an accessible route.

1103.2.10 Single occupant structures. Single occupant structures accessed only by passageways below grade or elevated above ground including but not limited to, toll booths that are accessed by underground tunnels are not required to be accessible.

Note: Single occupant guard structures will be placed on and elevated entrance island to the park that does not have an accessible route.

SPECIAL LIMITATIONS

Adequate handicapped restroom facilities to handle this additional occupant load created by the addition of this building to a site shall be provided in an adjacent building on the same property. The local official having jurisdiction shall verify the existing facilities.

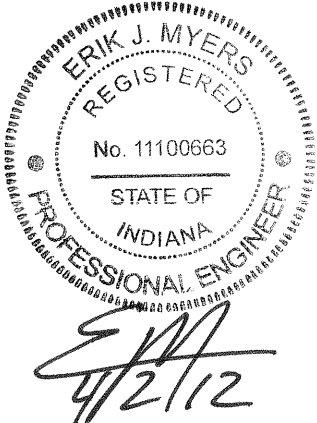
THERMAL ZONE

This buildings design complies with or exceeds the minimum requirements for thermal zone 4.

ATTENTION LOCAL BUILDING OFFICIAL

All work to be completed on-site is to be in compliance with all state and local codes and is subject to review, approval, and inspection by the local authority having jurisdiction. This building is designed for installation on a permanent foundation and is not intended to be moved once installed. All on-site work shall be performed by a licensed contractor with experience in the setup of modular buildings. The following list is not all inclusive, nor does it limit the items of work or materials that may be required for complete installation.

- Complete foundation support and anchorage system.
- Ramps, stairs and general access to building.
- Electrical service connection (including feeders) to the building.



NOTICE

These drawings are applicable only to the elements and loading criteria specifically provided herein. These drawings shall not be construed in any way to specify, certify or design any aspects of the building not contained herein. Elements not contained herein are to be constructed in accordance with the prescriptive requirements of the adopted building code or designed by other registered design professionals, as applicable. Specified design criteria are based solely on information provided by the client and must be verified and approved by the local authority having jurisdiction. NTA, Inc. is not responsible for fabrication or erection. If it is suspected that these drawings have been modified, substituted or altered in any way, contact NTA, Inc. directly to obtain a file copy.

0104 2008-05-28

REVISIONS:	SCALE:	APPROVED BY:	Twin Modular Services Inc. Blackwood , NJ	TITLE:	JOB NO:
	DATE:	DRAWN BY:		MODEL:	DRAWING NO:
	NTS			COVER SHEET	TMS032212-19
	03/26/2012	R. Knowles		812 GUARD BOOTH	1