

# 8'-0" x 14'-0" (ACTUAL SIZE) 814 GUARD BOOTH WITH COMPLIANT HALF BATH

## Twin Modular Services Inc.

1001 Lower Landing Road Suit 607, Blackwood , NJ

DESIGN BASIS	
State/Jurisdiction	North Carolina
Building Code	North Carolina Building Code, 2012 Edition
Plumbing Code	North Carolina Plumbing Code, 2012 Edition
Electrical Code	North Carolina Electrical Code, 2011 Edition
Mechanical Code	North Carolina Mechanical Code, 2012 Edition
Accessibility Code	North Carolina Building Code, Chapter 11 and 2009 ICC/ANSI Accessibility 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 <sup>2</sup>	
Allowable Height Above Grade		2 stories	
		40 ft	
LEVEL	OCCUPANCY	AREA	OCCUPANT LOAD
1	B	112 ft <sup>2</sup>	1

STRUCTURAL DESIGN CRITERIA			
GRAVITY LOADS	Floor Live	50 psf	SEISMIC (IBC) Seismic Design Category C Site Class D Importance Category 1.25 Occupancy Category III Mapped Accelerations $S_s$ 0.32 $S_1$ 0.16 Spectral Response $S_{DS}$ 0.34 $S_{D1}$ 0.26 Seismic Force Resisting System A13 Design Base Shear 0.09W Response Modification Factor 6.5 Analysis Procedure ASCE 7-05 Sec. 12.8 Allowable bearing pressure 2000 psf
	Floor Dead	10 psf	
	Roof Live	20 psf	
	Roof Dead	10 psf	
	Exterior Wall Dead	5 psf	
SNOW	Ground Snow Load	10 psf	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.
	Rain on Snow surcharge	5 psf	
WIND	Wind Speed (3 Second Gust)	130 mph	
	Exposure Category	C	
	Internal Pressure, $G C_{pi}$	+/- 0.18	
	Base Wind Pressure, $P_f$	36.0 psf	
	Mean Roof Height	15 ft	
SETBACKS	Setback	Greater than 10 feet to a common or assumed property line.	
APPROXIMATE WEIGHT OF BUILDING		8,000 lbs	
Building shall not be placed on the upper half of a hill or escarpment exceeding 15 feet in height.			

COMPONENTS AND CLADDING WIND LOADS		
Component	End Zone (psf)	Interior Zone (psf)
Windows & Siding	+42.5/-56.9	+42.5/-46.1
Doors	+36.1/-44.2	+36.1/-39.7
Roof Cladding	+17.3/-107.3	+17.3/-42.5
Roof Overhangs	-100.8	-61.2

DRAWING INDEX	
1.	Cover Sheet
1.1	General Notes
1.2	Specifications
2.	Elevations
3.	Floor Plan
3.1	Strapping Details
3.2	Strapping Details
4.	Electrical Plan
5.	Plumbing Schematic
6.	Cross Section
7.	Example Foundation

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: NTS	APPROVED BY:	Twin Modular Services Inc. Blackwood , NJ	TITLE: COVER SHEET	JOB NO: TMS051513-4
	DATE: 05/15/2013	DRAWN BY: pr		MODEL: 8x14 Gaurdbooth w/ADA restroom	DRAWING NO: 1

WOOD FRAMING

- 1. Structural sawn lumber shall be identified by a grade mark in accordance with DOC PS 20.
- 2. Approved end-jointed lumber may be use interchangeably with solid-sawn member of the same species and grade except in fire rated assemblies.
- 3. Structural sheathing shall be rated and labeled for compliance with DOC PS 1 or DOC PS 2.
- 4. LVL members shall have the following minimum properties, E=2.0, F<sub>b</sub>=2800 psi, unless noted otherwise.
- 5. All wood shall have a moisture content of 19% or less at the time of construction.
- 6. Wood framing members, including wood sheathing, that rest on exterior foundation walls and are less than 8" from exposed earth each shall be naturally durable or preservative treated.
- 7. Wood members shall be cut and joined so no gap larger than 1/8" exists between members.
- 8. Wood in contact with concrete or masonry shall be naturally durable or preservative treated in accordance with AWPA use category UC4C and properly identified as preservative treated.
- 9. Nails and staples shall conform to ASTM F1667. Nails with shank diameters of 0.099" but not larger than 0.142" shall have a minimum average bending yield strength, F<sub>y</sub> = 100 ksi.
- 10. Fasteners shall be installed to avoid splitting of the wood members. If splitting occurs, the connection shall be made by alternate means or otherwise reinforced under the direction of the design engineer.
- 11. Fasteners shall be driven so their head or crown is flush with the surface of the wood member or sheathing. Overdriven fasteners shall be replaced.
- 12. Bolts shall conform to ASTM A307 meeting the requirements of ANSI/ASME B18.2.1 for full-body diameter bolts. Screws and lag screws shall conform to ANSI B18.2.1 and ANSI B18.6.1, respectively.
- 13. Bolt holes shall be at least a minimum of 1/32" and no more than a maximum of 1/16" larger than the bolt diameter.
- 14. Bolt nuts shall be finger-tight plus 1/3 to 1/2 turn with a hand wrench.
- 15. Connection hardware shall be the brand and model specified. Alternate connectors shall be submitted to the design engineer for approval.
- 16. Unless otherwise noted, connectors shall be installed with the maximum number and size of fasteners as required in the manufacturer's installation instructions.
- 17. Prefabricated wood I-joist and structural composite lumber shall not be notched or drilled except where permitted by the manufacturer's recommendations.
- 18. Plywood beams shall be detailed and fabricated in accordance with the latest edition of APA Plywood Design Specification Supplement 5 - Design & Fabrication of All-Plywood Beams.
- 19. Douglas Fir, Hem Fir, or Southern Yellow Pine may be substituted for Spruce-Pine-Fir using an equal size and grade.

CORROSION PROTECTION

- 1. Metal framing, connectors, fasteners, and flashing in contact with preservative treated or fire retardant treated wood members shall be hot-dipped zinc coated galvanized steel, stainless steel, silicon bronze, copper, or otherwise protected from the corrosive action of the wood member.
- 2. A barrier between the treated members can be used when approved by the design engineer.
- 3. Selection of the appropriate connector and fastener coating shall be based on the intended end use of the connector or fastener and the chemical preservative used in the the treatment of the member for which it is in contact.
- 4. Where connection hardware is used, such as joint hangers, fasteners used shall be made of the same material as the connection hardware.
- 5. Corrosion protection of metal connectors, fasteners, and flashing based on galvanized or stainless steel materials shall be in accordance with the table below.

Product Coatings Preservative	Hot Dipped Galvanized (ASTM A153)		Stainless Steel
	G90	G185	
Untreated Wood SBX/DOT CCA-C	Yes	Yes	Yes
ACQ-C & ACQ-B CBA-A & CA-B NON-DOT No Ammonia and Not Rated For Ground Contact	No	Yes	Yes
Unknown Preservative, Contains Ammonia, Rated For Ground Contact or ACZA	No	No	Yes

SBX = DOT Sodium Borate, CCA-C = Chromated Copper Arsenate, ACQ-C & ACQ-D = Alkaline Copper Quat, CBA-A & CA-B = Copper Azote, Non-DOT = Other Borate, ACZA = Ammoniacal Copper Zinc Arsenate

COASTAL CORROSION PROTECTION

- 1. The corrosion protection requirements in this sections shall apply to all structures located within 3000' landward of the mean high-tide waterline for all metal components or connectors not contained within the pressure envelope of the structure.
- 2. Fasteners or bolts less than 5/8" in diameter shall be Type 316L stainless steel. Fasteners or bolts 5/8" or larger shall be hot dip galvanized per ASTM A653 or ASTM A153 with a zinc coating thickness of 1.85 oz of zinc per square foot of surface area (G185).
- 3. Connection hardware, such as pre-formed connectors, steel plates, or steel straps, exposed to weather and having a base metal thickness equal to or less than 1/8" shall be Type 303, 304, 305 or 316 stainless steel. Steel exposed to weather having a base metal thickness greater than 1/8" shall be hot dip galvanized per ASTM A653 or ASTM A153 with a zinc coating thickness of 1.85 oz of zinc per square foot of surface area (G185) or painted using one of the following formulations:
  - A. Epoxy-polyamide
  - B. Coal-tar epoxy-polyamide
  - C. Zinc chormate-vinyl butyral primer with asphaltic mastic
- 3. Contact between dissimilar materials (stainless steel and carbon steel) shall be avoided.

CHASSIS

Type: Perimeter  
Main Beam: 6" C-Channel 8.2 LBS Per Half  
Cross Members: 6" C-Channel at 24" o.c.  
Paint: ~~Asphalt Based~~ **MARINE BASED TWO PART EPOXY-BLACK**  
Misc: Steel Fork Slots

FLOOR

Insulation: Ridged Insulation R-19  
Moisture Barrier: Ridged Insulation  
Decking And Covering: ~~3/16" Steel Tread Plate Floor Tack Welded~~ **3/4" T&G PLYWOOD**  
~~And Screwed To Steel C-Channel Members~~ **1/8" VINYL TILE IN RESTROOM**  
Trim: 4" Vinyl Cove Base **3/16" ALUMINUM TREAD PLATE IN GUARD AREA**

EXTERIOR WALLS

Studs: 2x4 Stud Grade SPF at 16" o.c.  
Bottom Plate: Single 2x4 #3 SPF  
Top Plate: Single 2x4 #3 SPF  
Wall Height: 8'-3"  
Finished Ceiling Height: 7'-6" AFF  
Insulation: R-13 Fiberglass Kraft-Backed Batts  
Interior Wall Covering: 1/4" Vinyl Covered Panel (Class III)

INTERIOR WALLS

Studs: 2x4 Stud Grade SPF at 16" oc  
Bottom Plate: Single 2x4 #3 SPF  
Top Plate: Single 2x4 #3 SPF  
★Steel Tube: 3"x3"x1/4 Steel Tube Beams And Corner Post  
Wall Height: 8'-3"  
Finished Ceiling Height: 7'-8" AFF  
Interior Wall Covering: 1/4" Vinyl Covered Panel (Class III)

**\*Steel Tube is Optional - See Quote**

INTERIOR DOOR

Door: 36"x80" Hollow Core, Pre-Finished, Hinged

ROOF

Type: Rafter, 2x8 #3 SPF at 16" o.c. Bow Type Roof 2% Slope (Vented)  
Ceiling: 2'x4' T-Grid (Class III) Drop Ceiling at 7'-6" AFF  
Insulation: R-30 Unfaced Fiberglass Batts  
Ventilated Roof  
Overhang: 3" All Sides (Unit Not to Exceed 102" Wide)

ELECTRICAL

Main Distribution Panel: Exterior Surface Mounted (Weatherproof), 100 Amp. 120/240 Volt Single Phase, 3 wire, 60 HZ with Ground, 12 Spaces 24 Circuits  
Raceway: Minimum #14/2 with Ground 90 Deg. C Type MC Copper  
Interior Lights: 2'x4' Two Tube Lay-In Florescent Troffer Per Print  
Exterior Lights: 150 Watt Quartz Halogen Security Light (Weatherproof)(2 Per Print)  
Switches: 120V 15 Amp Single Pole Per Print  
Receptacles: 120V 15 AMP Duplex Recepts Per Print  
120V 15 AMP Duplex GFI Recepts Per Print  
120V 15 AMP Duplex GFI, Weatherproof Recepts Per Print  
All Electrical Components To Be Factory Wired Directly To Main Service Panel Prior To Shipment

PLUMBING

Water Closet: Elongated Bowl, Open Front Seat, HC Height  
Lav: Wall Hung with Wrist Blade Faucets  
Water Heater: Instantaneous, Under Sink 120 V.A.C.- Cronomite or Equal  
Supply: Type "L" Copper with Shutoff Valves at Each Fixture  
Waste: 3" Schedule 40 PVC  
Misc: Wall Hung Mirror- 40" AFF Max. to Bottom of Mirror  
Accessories: Grab Bars (1) 36" and (1) 42"- Horizontal, (1) 18" Vertical, Toilet Paper Holder (Horizontal Grab Bars at 34" Center AFF, Vertical Grab Bar at 39"-41" AFF to bottom and 39"-41" from Wall Behind Water Closet, Toilet Paper Holder 24" AFF, Soap Dispenser: Tough Guy - #3FPN8-Wall Mount-Push Operation, Paper Towel Dispenser: Georgia Pacific-#54338)

HVAC

Air Conditioning: 208/240V 20 Amp, 11600 BTU AC/Heat Combo Unit Single Phase Dedicated Circuit - Frigidaire Model FRA12E2 Or Equal. Shipped Loose And Installed By Others On Site  
Heating: ~~4000~~ **3000** Watt Wall Heater With Fan 208/240V 20 Amp Dedicated Circuit

EXTERIOR WINDOWS AND DOORS

Doors: 36x80 Steel, ~~22"x22"~~ Window SG, Lever Hardware, Lockset and Closer **DOOR WINDOW TO BE 22" X 36"**  
Windows: 36"x39" Vinyl Frame, Fixed, DIG Glazing, Thermal Insulated (2) Per Print  
36"x39" Vinyl Frame, Sliding, DIG Glazing, Thermal Insulated (1) Per Print  
Tint: All Windows **OPTION NOT ACCEPTED**

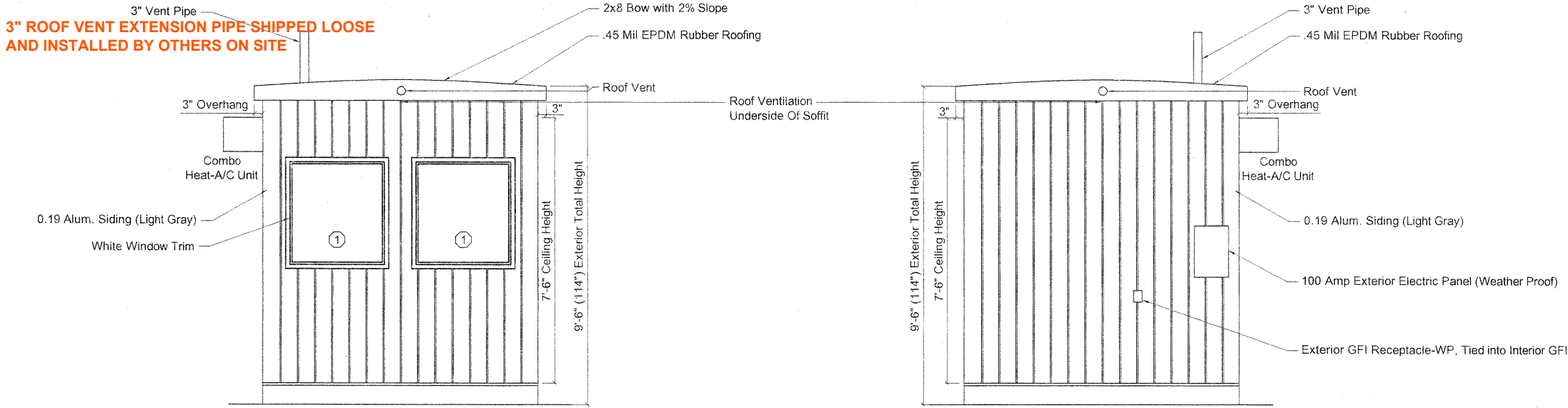
EXTERIOR FINISHES

Siding: 0.19 Aluminum Light Gray  
Trim: 0.19 Aluminum Dark Gray  
Wall Sheathing: 7/16" OSB or CDX Plywood, 16/0 APA Span Index Rating  
Roof Sheathing: 1/2" CDX Plywood, 16/0 Span Rating  
Roof: 0.45 EPDM Rubber Roofing

FURNITURE

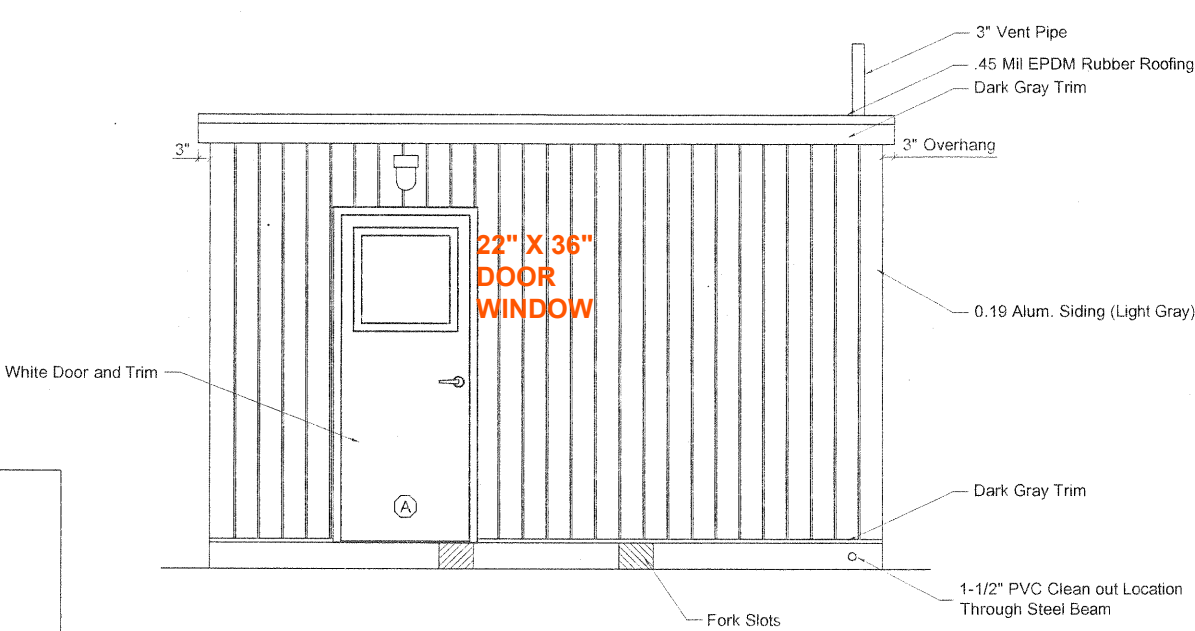
Option: 23" x 7'-4" Counter Top, White Mica

REVISIONS:	SCALE: NTS	APPROVED BY:	Twin Modular Services Inc. Blackwood , NJ	TITLE: SPECIFICATIONS	JOB NO: TMS051513-4
	DATE: 05/15/2013	DRAWN BY: pr		MODEL: 8x14 Gaurdbooth w/ADA restroom	DRAWING NO: 1.2

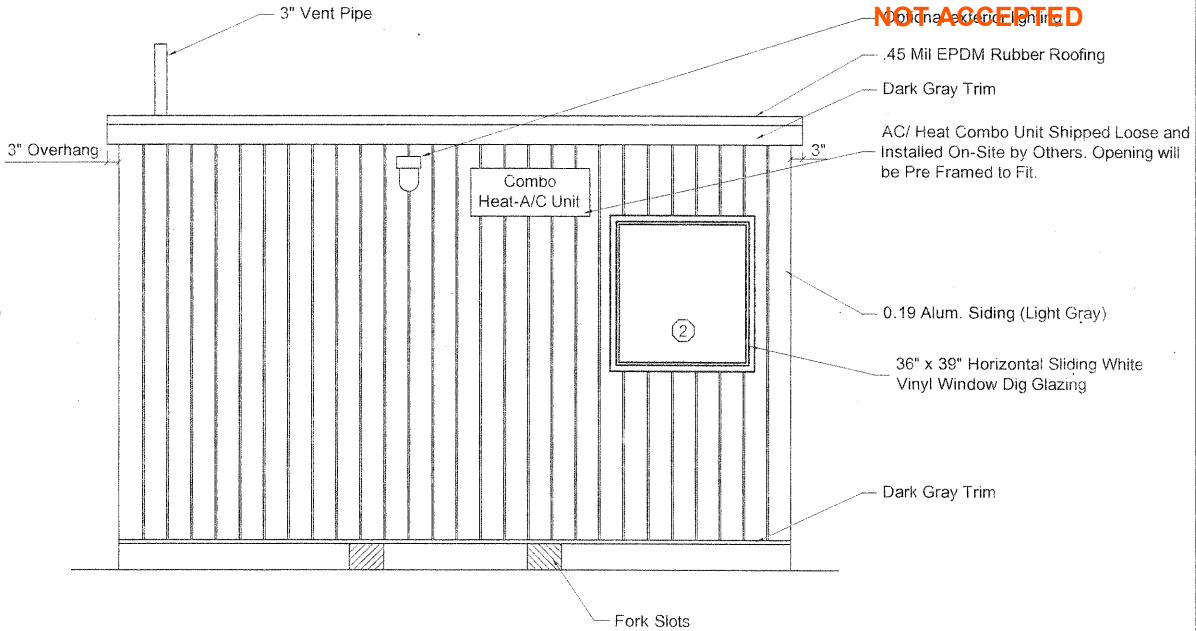


FRONT ELEVATION  
SCALE: 1/4" = 1'-0"

REAR ELEVATION  
SCALE: 1/4" = 1'-0"



CURB SIDE ELEVATION  
SCALE: 1/4" = 1'-0"



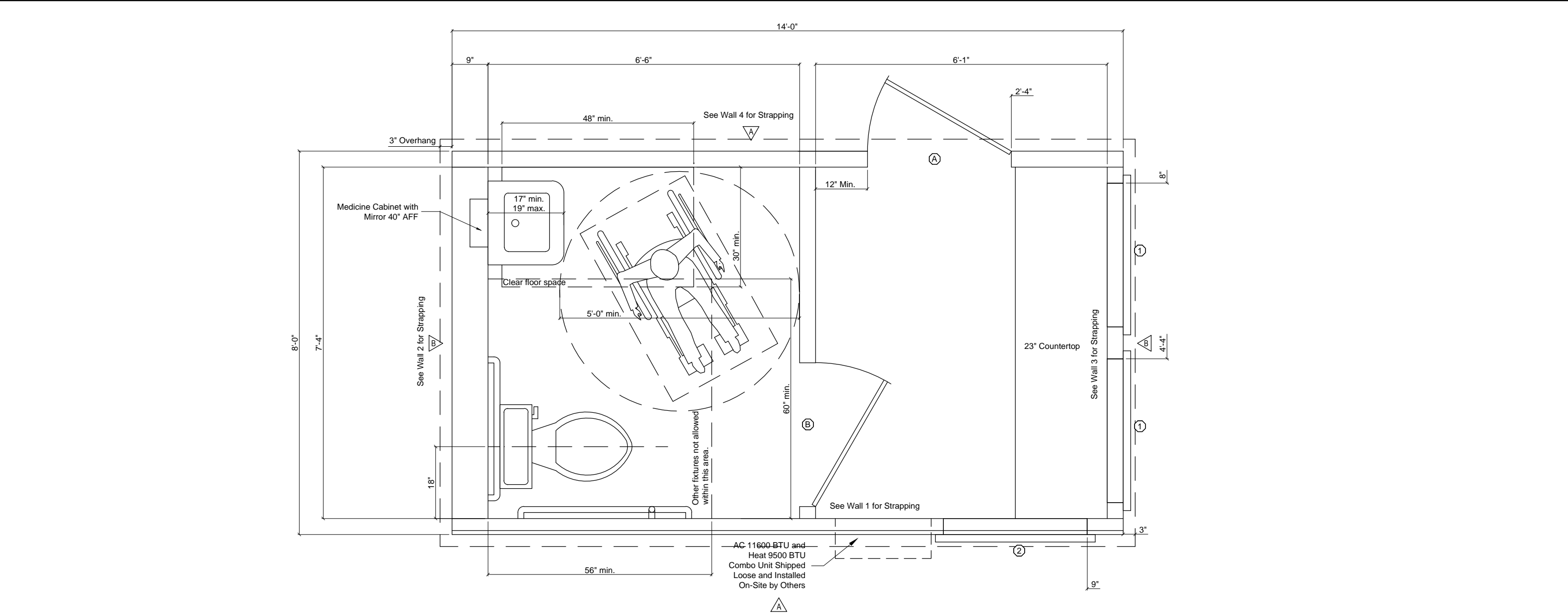
ROAD SIDE ELEVATION  
SCALE: 1/4" = 1'-0"

BUYER ACCEPTANCE PLAN A SIGN AND DATE

ATTIC VENTILATION  
Vents shall be installed to provide a total net free ventilating area not less than 1/150 of the area of the space being ventilated.  
Vents shall be positioned to provide cross ventilation.  
48 Area /150= 0.32 sq. ft. Ventilation Required

SITE INSTALLED ITEMS  
Steps, rails, and decks are to be designed by others and built on-site in accordance with local codes and subject to approval by the local authority having jurisdiction.  
DISTANCE FROM EXPOSED EARTH:  
Wood Framing Members, Including Wood Sheathing, That Are Less Than 8 Inches From Exposed Earth Shall Be Of Naturally Durable Or Presservative-Treated Wood

REVISIONS:	SCALE: 1/2" = 1'-0"	APPROVED BY:	Twin Modular Services Inc. Blackwood, NJ	TITLE: ELEVATIONS	JOB NO: TMS051513-4
	DATE: 05/15/2013	DRAWN BY: pr		MODEL: 8x14 Gaurdbooth w/ADA restroom	DRAWING NO: 2



GENERAL

1. All glazing within 24" arc of doors, whose bottom edge is less than 60" above the floor, and all glazing in door shall be safety glazed, tempered or acrylic plastic sheet.
2. Minimum corridor width shall not be less than 36".
3. Exterior windows and sliding doors shall be labeled as conforming to AAMA/WDMA/CSA101/I.S.2/A440.
4. Windows in buildings located in windborne debris regions shall be BTotected in accordance with Section 301.2.1.2 of the residential code.

code.

DOOR SCHEDULE						
Mark	Description	Hardware	Header	Jack Studs	Jamb Studs	
(A)	36"x80" Steel with Closer, 22"x22" SG Window	Lever	(1) 2x4 #2 SPF	1	1	
(B)	36"x80" BTe Finished, Hollow Core, Hinged	Lever	(1) 2x4 #2 SPF	1	1	
WINDOW SCHEDULE						
Mark	Description	Glazed Area	Vent Area	Header	Jack Studs	Jamb Studs
(1)	36"x39" Vinyl Frame, Fixed, DIG Glazing, Thermal Insulated, Tinted	9.75 ft²	4.87 ft²	(1) 2x4 #2 SPF	0	1
(2)	36"x39" Vinyl Frame, Horizontal Sliding, DIG Glazing, Thermal Insulated, Tinted	9.75 ft²	4.87 ft²	(1) 2x4 #2 SPF	0	1

REVISIONS:	SCALE:	APPROVED BY:
	1/2" = 1'-0"	
	DATE:	DRAWN BY:
	05/16/2017	BT

SHEARWALL CONSTRUCTION

1. A holdown shall be BTovided at each "shearwall mark" location on the plan above. The wall between marks shall be constructed as specified in the table above.
2. In corners, where two holdowns are required (one in each orthogonal direction) the lower capacity holdown may be omitted when the walls are interconnected to transfer the lower chord force to the larger anchor.
3. Stagger all fasteners spaced 2" oc, or less, in multiple rows with the rows staggered not less than 1.5" apart.
4. Truss(es) shall be placed over each interior shearwall and the truss(es) shall be sheathed in the same manner as the wall below.
5. Alternate holddown of equal or greater capacity may be substituted for holdowns specified.
6. Holdowns to be installed in accordance with manufacturer's installation instructions.
7. Where holdowns are to be installed on-site, a clearly marked access panel shall be BTovided.

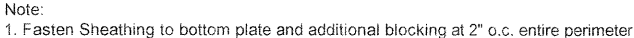
SHEARWALL SCHEDULE			
Mark	Sheathing	Fastening	Framing
(A)	7/16" Structural Sheathing, One Side, Blocked	0.113" x 2.5" nails 6/12 (edge/field)	2x4 SPF @ 16" oc
(B)	7/16" Structural Sheathing, One Side, Blocked	0.113" x 2.5" nails 4/12 (edge/field)	2x4 SPF @ 16" oc

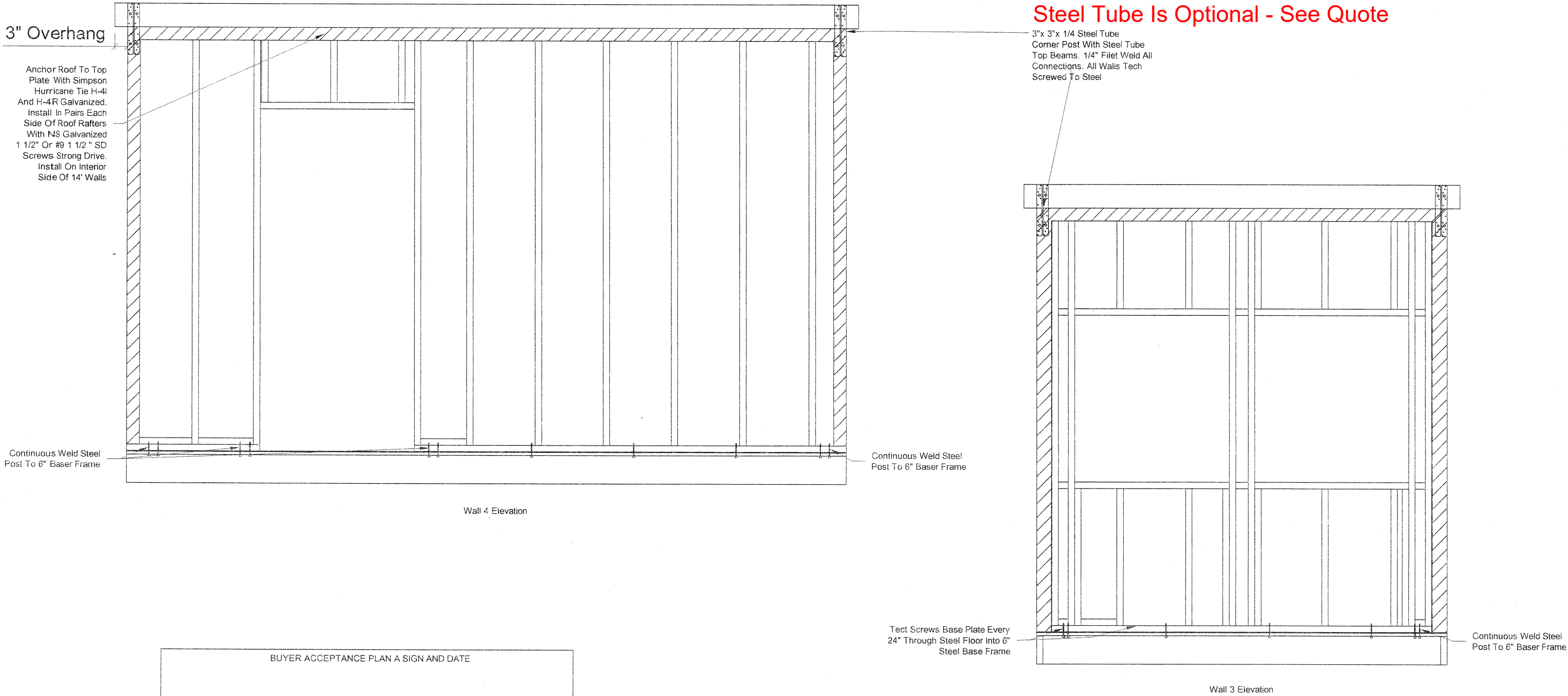
BUYER ACCEPTANCE PLAN A SIGN AND DATE

Twin Modular Services Inc.  
Blackwood , NJ

TITLE:	FLOOR PLAN A	JOB NO:	TMS051517-35
MODEL:	8x14 Gaurdbooth w/ADA restroom	DRAWING NO:	3

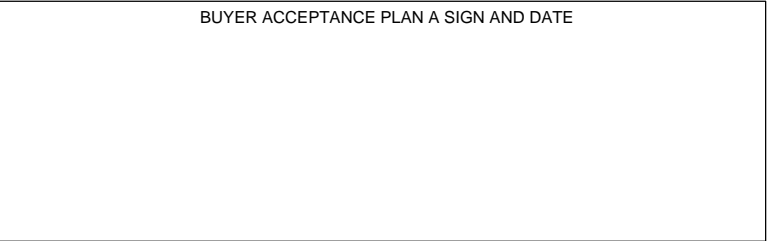






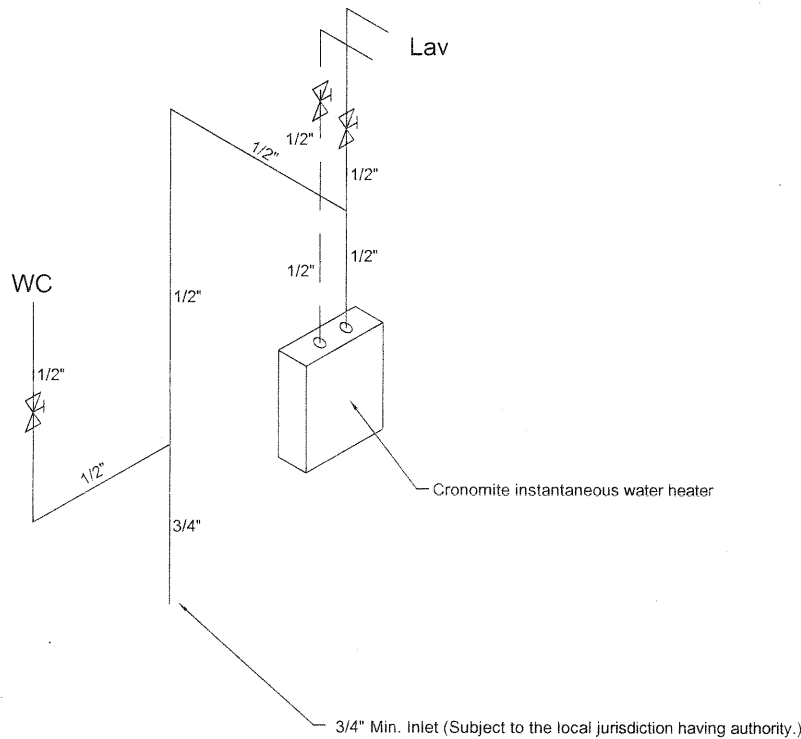
BUYER ACCEPTANCE PLAN A SIGN AND DATE

REVISIONS:	SCALE:	APPROVED BY:	Twin Modular Services Inc. Blackwood , NJ	TITLE:	JOB NO:
	DATE:	DRAWN BY:		MODEL:	DRAWING NO:
	1/2" = 1'-0"	pr		STRAPPING DETAILS	TMS051513-4
	05/15/2013			8x14 Gaurdbooth w/ADA restroom	3.2

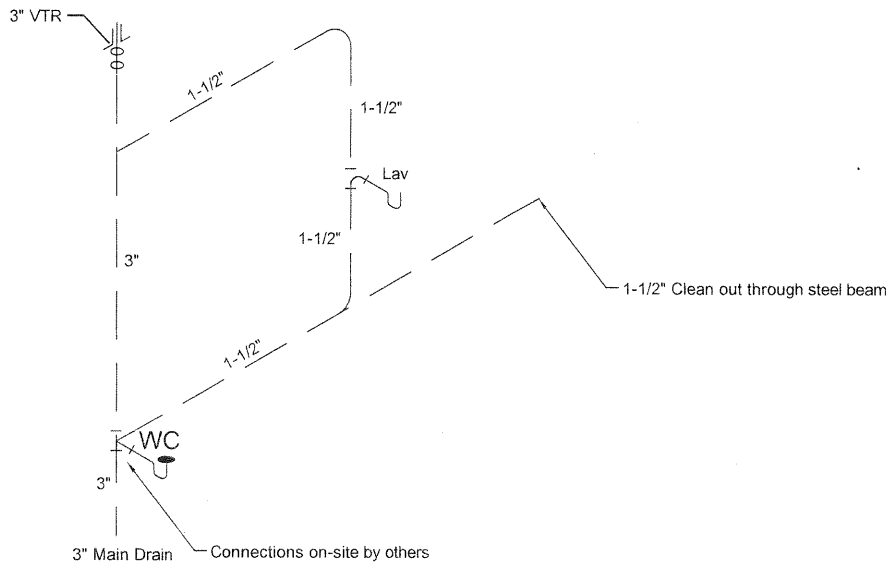




DWV LEGEND	
	Drain/waste
	Vent
	Fixture Trap
	Clean Out
ABBREVIATIONS	
LP	Loop vent
AV	Auto vent (optional)
VTR	Vent through roof
WHA	Water hammer arrestor
WC	Water closet
LAV	Lavatory



3" ROOF VENT EXTENSION PIPE SHIPPED LOOSE  
AND INSTALLED BY OTHERS ON SITE



- PLUMBING SYSTEM
- 1. Plumbing fixtures shall have separate shut-off valves.
  - 2. Water heater shall have a safety pan with 3/4" minimum drain to exterior, T&P relief valve with drain to exterior, and a shut off valve within 3' on a cold water supply line.
  - 3. Water pipes installed in a wall exposed to the exterior shall be located on the heated side of the wall insulation. Water piping installed in an unconditioned attic shall be insulated with R6.5 insulation minimum.
  - 4. DWV system shall be either ABS or PVC
  - 5. Water supply lines shall be copper or PEX.
  - 6. Building drain and cleanouts are to be designed by others on site and subject to review and approval by the local authority having jurisdiction.
  - 7. Tub access provided under home unless otherwise noted.
  - 8. Shower stalls shall be covered with non-absorbent material to a height of 72" above the finish floor.
  - 9. A thermal expansion device shall be provided at the water heater if required by the manufacturer's installation instructions.
  - 10. A water hammer arrestor shall be installed where quick closing valves are utilized, unless otherwise approved. Water hammer arrestors shall be installed in accordance with manufacturer's installation instructions.
  - 11. Building must be connected to a public water supply and sewer system if available.
  - 12. Shower and tub/shower combination valves shall be equipped with control valves of the pressure-balance, thermostatic-mixing or combination pressure-balance/thermostatic-mixing valve types with a high limit stop in accordance with ASSE 1016 or CSA B125. High limit stop shall limit the maximum water temperature to 120° F.
  - 13. Bathtubs and whirlpool bathtubs hot water shall be limited to a maximum temperature of 120° F by a water temperature limiting device.

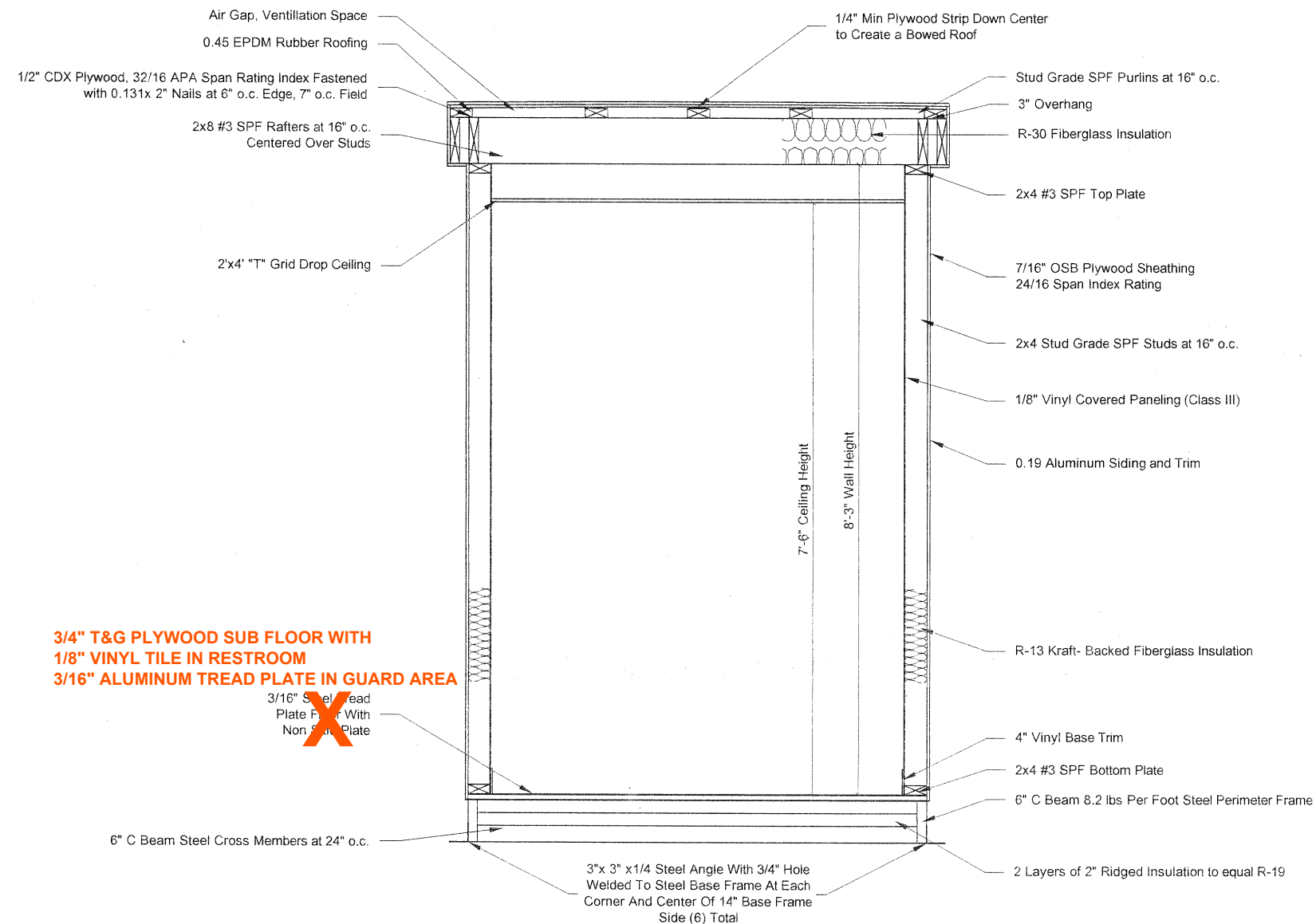
WATER SUPPLY LEGEND	
	Cold water line
	Hot water line
	Shut off valve

REVISIONS:	SCALE: 1/2" = 1'-0"	APPROVED BY:
	DATE: 05/15/2013	DRAWN BY: pr

Twin Modular Services Inc.  
Blackwood , NJ

TITLE: PLUMBING SCHEMATIC	JOB NO: TMS051513-4
MODEL: 8x14 Gaurdbooth w/ADA restroom	DRAWING NO: 5

0110.1150 2008-12-02



BUYER ACCEPTANCE SIGN AND DATE

## NOTES

- Fireblocking shall be installed at the floor and ceiling level. Fireblocking material shall be as permitted in NC Building Code. Exterior joints in the building envelope that are sources of air leakage, such as floor and ceiling lines, door and windows, or any other penetrations through the building envelope shall be caulked, gasketed, weather-stripped, wrapped or otherwise sealed to limit uncontrolled air movement. Stopping materials installed on-site are subject to local review, approval and inspection.
- In all framed walls, floors and roof/ceiling comprising elements of the building thermal envelope, a vapor retarder shall be installed on the warm-in-winter side of the insulation with the following exceptions:
  - Where the framed cavity or space is ventilated to allow moisture to escape.
- Where required, the vapor retarder shall be comprised of any material (kraft backing, polyethylene, spray applied) approved for such use and having a perm rating of 1 or less.
- Connections not specified, per typical systems manual.

0110.1150 2008-12-02

Twin Modular Services Inc.  
Blackwood, NJ

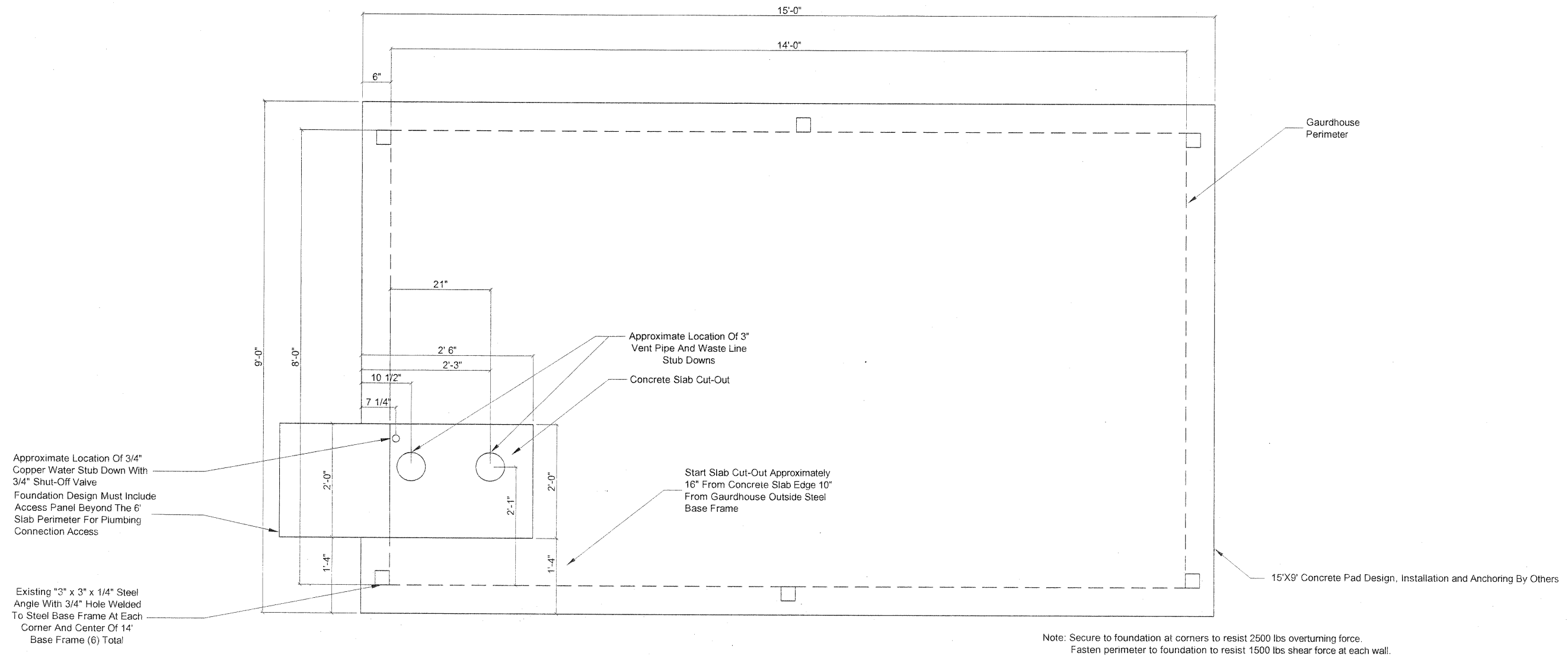
TITLE: CROSS SECTION

MODEL: 8x14 Gaurdbooth w/ADA restroom

JOB NO: TMS051513-4

DRAWING NO: 6

REVISIONS:	SCALE: 1/2" = 1'-0"	APPROVED BY:
	DATE: 05/15/2013	DRAWN BY: pr



BUYER ACCEPTANCE SIGN AND DATE

## Notes:

1. Pier locations shown on this plan are for the purpose of identifying the location of the required blocking points and the loads applied at each point for this building. Foundation requirements are not known due to varying soil conditions.
2. Foundation Design by others. Foundation review and approval is to be performed by the local official having jurisdiction.
3. Provide positive drainage under unit.

THIS DRAWING IS NOT FOR CONSTRUCTION. This drawing is intended to show the minimum foundation loads and minimum foundation support locations and is not to be used for construction or certification of any foundation for any building. The foundation for this modular building shall be designed and sealed by a local engineer for the conditions present on-site in accordance with local codes. Additionally, the foundation designed by others shall be reviewed and approved by the local authority having jurisdiction.

0110.1150 2008-12-02

**Twin Modular Services Inc.**  
Blackwood, NJ

REVISIONS:	SCALE: 1/2" = 1'-0"	APPROVED BY:
	DATE: 05/15/2013	DRAWN BY: pr

TITLE: Example Foundation	JOB NO: TMS051513-4
MODEL: 8x14 Gaurdbooth w/ADA restroom	DRAWING NO: 7