

TICKET

46 0/A MODULAR ~~GUARD~~ BOOTH

(4' x 6' ACTUAL SIZE)

OHIO DESIGN CODES

2007 OHIO BUILDING CODE
2007 OHIO MECHANICAL CODE
2007 OHIO PLUMBING CODE
2005 NATIONAL ELECTRICAL CODE

DESIGN LIVE LOADS

FLOOR:..... 50 PSF LIVE LOAD
10 PSF DEAD LOAD

ROOF:..... 40 PSF LIVE LOAD
10 PSF DEAD LOAD

CONSTRUCTION TYPE:..... 5B
OCCUPANCY/USE GROUP: B
BUILDING AREA:..... 24 SQ FT.
MINIMUM BUILDING
SET BACK:..... GREATER THAN 10 FEET TO A
COMMON OR ASSUMED PROPERTY LINE

SEISMIC ZONE:..... GROUP I, CATEGORY C
MAXIMUM WIND LOAD:..... 90 MPH, EXPOSURE C
OCCUPANT LOAD:..... 1

DRAWING INDEX

| DRAWING NUMBER | DESCRIPTION |
|----------------|--------------------------------------|
| #1 | SPECIFICATIONS |
| #2 | ELEVATIONS (GUARDHOUSE PLAN "A") |
| #3 | ELEVATIONS (GUARDHOUSE PLAN ""B") |
| #4 | FLOOR / ELECTRICAL PLAN |
| #5 | CROSS SECTION / BLOCKING POINTS PLAN |

SPECIAL LIMITATIONS:

ADEQUATE HANDICAPPED RESTROOM FACILITIES TO HANDLE THE
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.

| | | | | |
|------------------------------|-------------------|--|-------------------|---------------------|
| TITLE: COVER SHEET | DRAWN BY: R.M. | TWIN MODULAR SERVICES, INC. 1001 LOWER LANDING RD, SUITE 607, BLACKWOOD, NJ 08012 | DATE: 11/13/07 | JOB NO: 2007-371 |
| MODEL: 46 0/A GUARD BOOTH | REV: | | SCALE: NTS | DRAWING NO: CVR |

CHASSIS
TYPE: PERIMETER
MAIN BEAM: 6" JR. I-BEAM
CROSS MEMBERS: 6" JR. I-BEAM @ 24" O.C.
PAINT: ASPHALT BASED

FLOOR
INSULATION: NONE
DECKING: 3/4" PLYWOOD, 24 O.C. SECURED DIRECTLY TO STEEL FRAME
~~OPTIONAL: 1/4" STEEL PLATE FLOOR W/ NON-SKIP EPOXY PAINT~~
COVERING: 1/8"x12"x12" VINYL TILE
TRIM: 4" VINYL COVE BASE
MOISTURE BARRIER: TYVEK OR EQUAL

EXTERIOR WALLS
STUDS: 2"x4" STUD GRADE SPF @ 16" O.C.
BOTTOM PLATE: SINGLE 2"x4" #3 SPF
TOP PLATE SINGLE 2"x4" #3 SPF
WALL HEIGHT: 8'-3"
FINISHED CEILING HT: 7'-8" A.F.F.
INSULATION: R-13 FIBERGLASS KRAFT-BACKED BATTS
INT. WALL COVERING: 1/4" VINYL COVERED PANEL (CLASS III)
~~INT. WALL COVERING OPTION: 1/2" VINYL COVERED GYP. (CLASS I)~~

ROOF
TYPE: RAFTER, 2x4 #2 SPF @ 16" O.C.
CEILING: 2'x4' T-GRID DROP CEILING @ 7'-9" A.F.F.
INSULATION: R-13 KRAFT FACED FIBERGLASS BATTS
~~OPTIONAL: 6" OVERHANG ALL SIDES~~

12" overhang Ticket Window side only

ELECTRICAL
MAIN DISTRIBUTION PANEL: EXTERIOR (WEATHERPROOF) 100 AMP 120/240 VOLT SINGLE PHASE, 3 WIRE, 60 HZ. WITH GROUND
RACEWAY: MINIMUM #14/2, 90 DEG. C. TYPE MC, COPPER
INTERIOR LIGHTS: 2'x2' TWO TUBE LAY-IN FLUORESCENT TROFFER PER PRINT
EXTERIOR LIGHTS: 150 WATT QUARTZ HALOGEN SECURITY LIGHT (WEATHERPROOF)
SWITCHES: 120 V. 15 AMP SINGLE POLE PER PRINT
RECEPTACLES: 120 V. 15 AMP DUPLEX RECEPTS PER PRINT

H.V.A.C.
HEATING: 220V, 20 AMP, 4' ELEC. BASEBOARD HEATER, DEDICATED CIRCUIT
AIR CONDITIONING: 110V, 5000 BTU WALL MOUNT, DEDICATED CIRCUIT
~~OPTION: THERMOSTAT CONTROL OF A/C & B.B. HEATER~~
~~OPTION: 11600 BTU AIR CONTITIONING / HEAT COMBO UNIT, WALL MOUNTED~~

EXTERIOR WINDOWS & DOORS
DOORS: 36"x80" ALUM. DOOR, ALUM. FRAME, FOAM INSULATED W/ 14"x14" S.G., LEVER PASSAGE HARDWARE
OPTION: 36"x80" STEEL DOOR W/ 22"x30" WINDOW (S.G.), CLOSER

WINDOWS: ~~36"x39" HORIZONTAL SLIDER, ALUM. MILL FRAME, SINGLE GLAZE~~
~~36"x39" CLEAR TEMPERED GLASS - HORIZONTAL SLIDER, ALUM. MILL FRAME~~
~~OPTION: 36"x39" HORIZONTAL SLIDER, VINYL THERMAL INSULATED WINDOWS~~
OPTION: 24"x36" CLEAR TEMPERED GLASS TICKET WINDOW WITH STAINLESS STEEL SHELF, SPEAK-THRU & 1/2 ROUND TICKET SERVICE
~~OPTION: 36"x39" PICTURE WINDOW - NON OPERABLE, VINYL THERMAL INSULATED OR SINGLE GLAZED MILL FINISH FRAMES~~

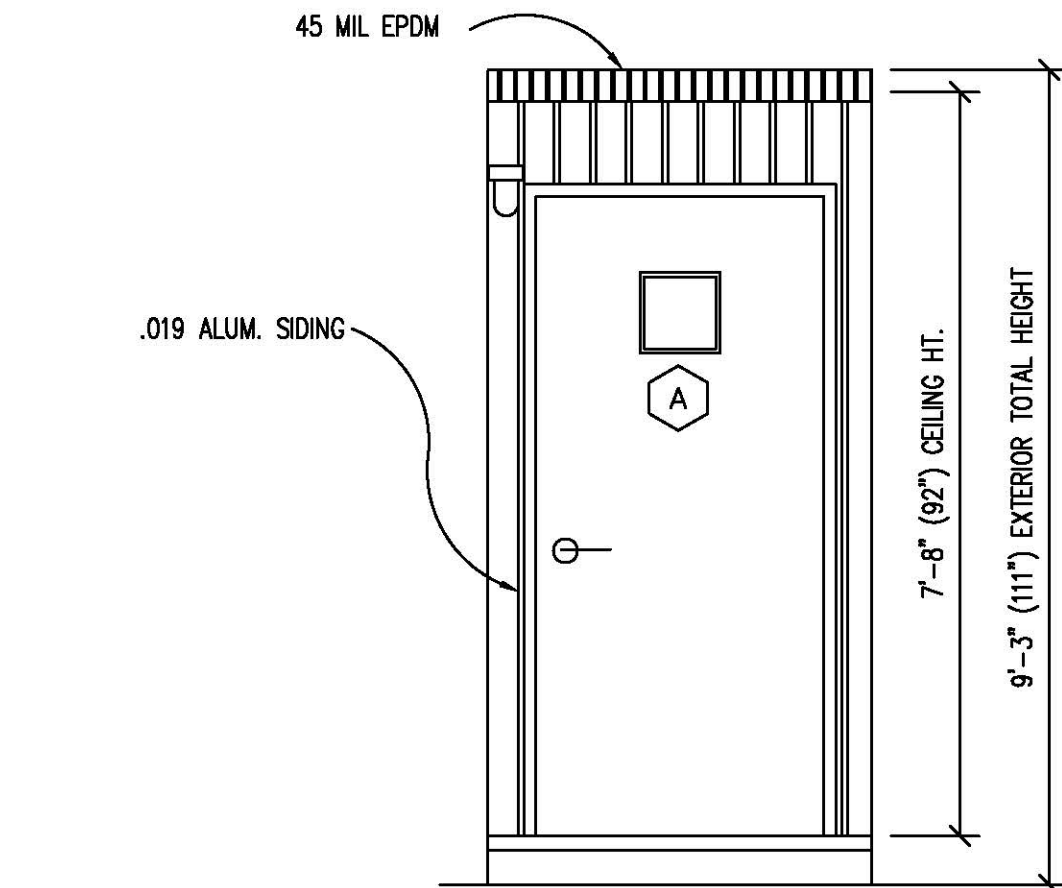
EXTERIOR FINISHES
SIDING: .019 ALUMINUM
TRIM: .019 ALUMINUM
WALL SHEATHING: 7/16" OSB OR CDX PLYWOOD, 16/0 SPAN INDEX RATING
ROOF SHEATHING: 1/2" CDX PLYWOOD, 16/0 SPAN RATING
ROOF: .45 EPDM RUBBER ROOFING

FURNISHINGS
COUNTER TOP - WHITE MICA

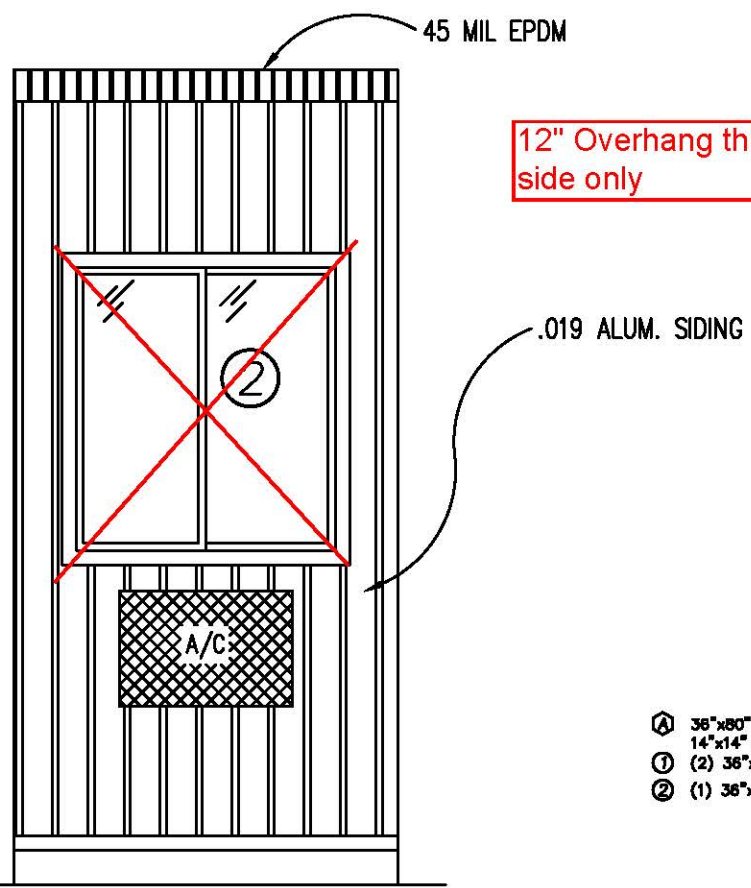
Desk Top Height 30"

Accepted

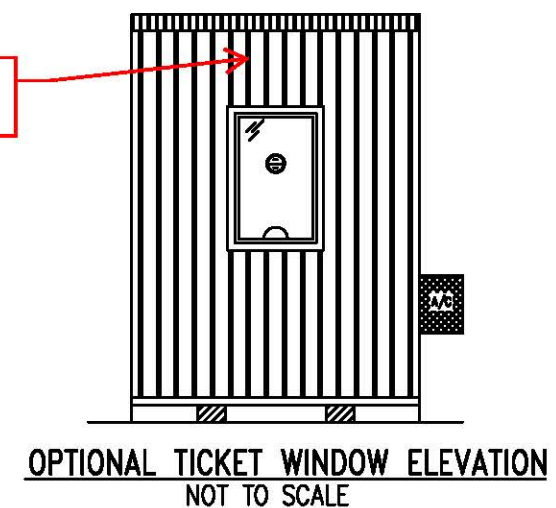
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|--|----------------|----------------|------------------|
| TITLE: SPECIFICATIONS | DRAWN BY: R.M. | DATE: 11/14/07 | JOB NO: 2007-371 |
| MODEL: 46 O/A GUARD BOOTH | REV: | SCALE: NTS | DRAWING NO: 1 |
| TWIN MODULAR SERVICES, INC. 1001 LOWER LANDING RD, SUITE 607, BLACKWOOD, NJ 08012 | | | |



FRONT ELEVATION

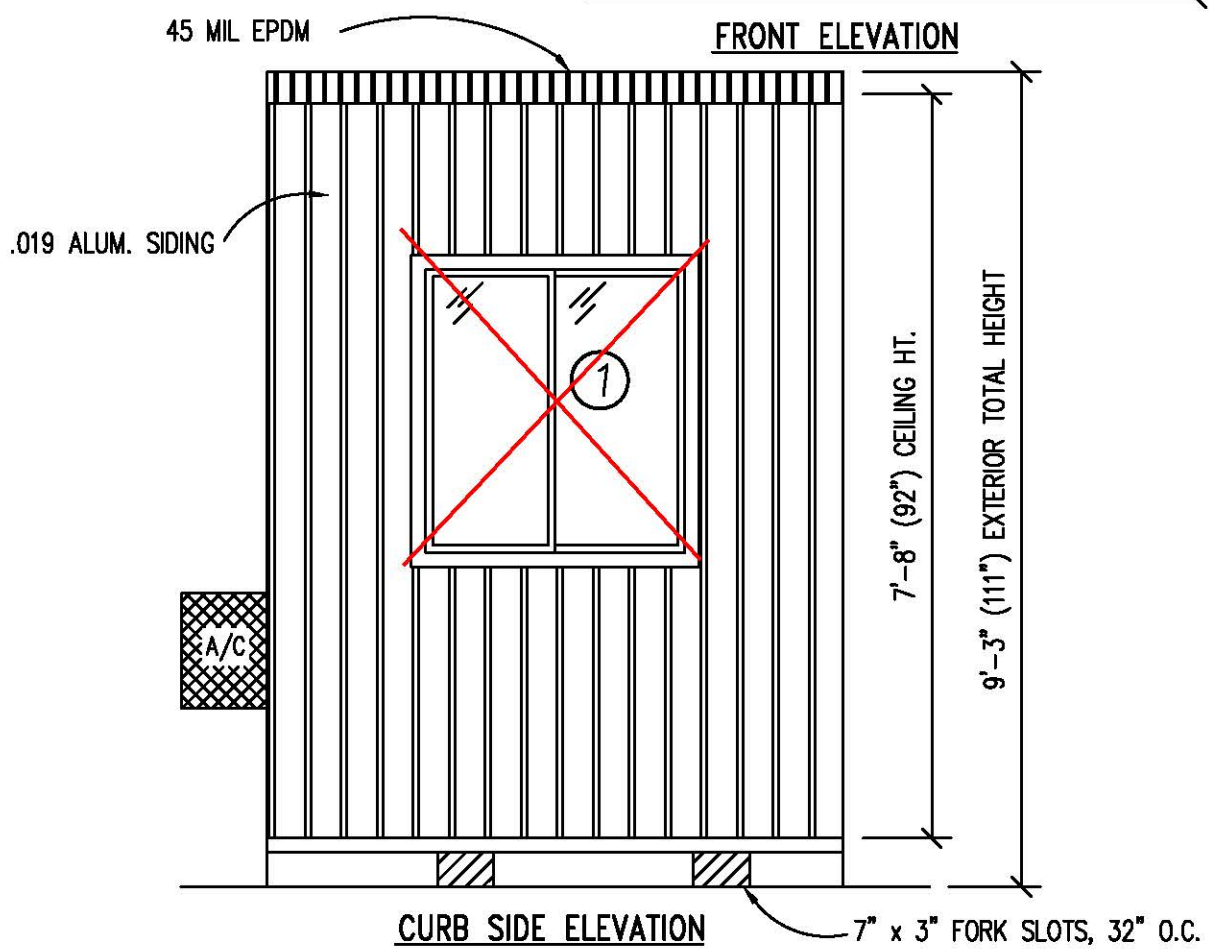


REAR ELEVATION

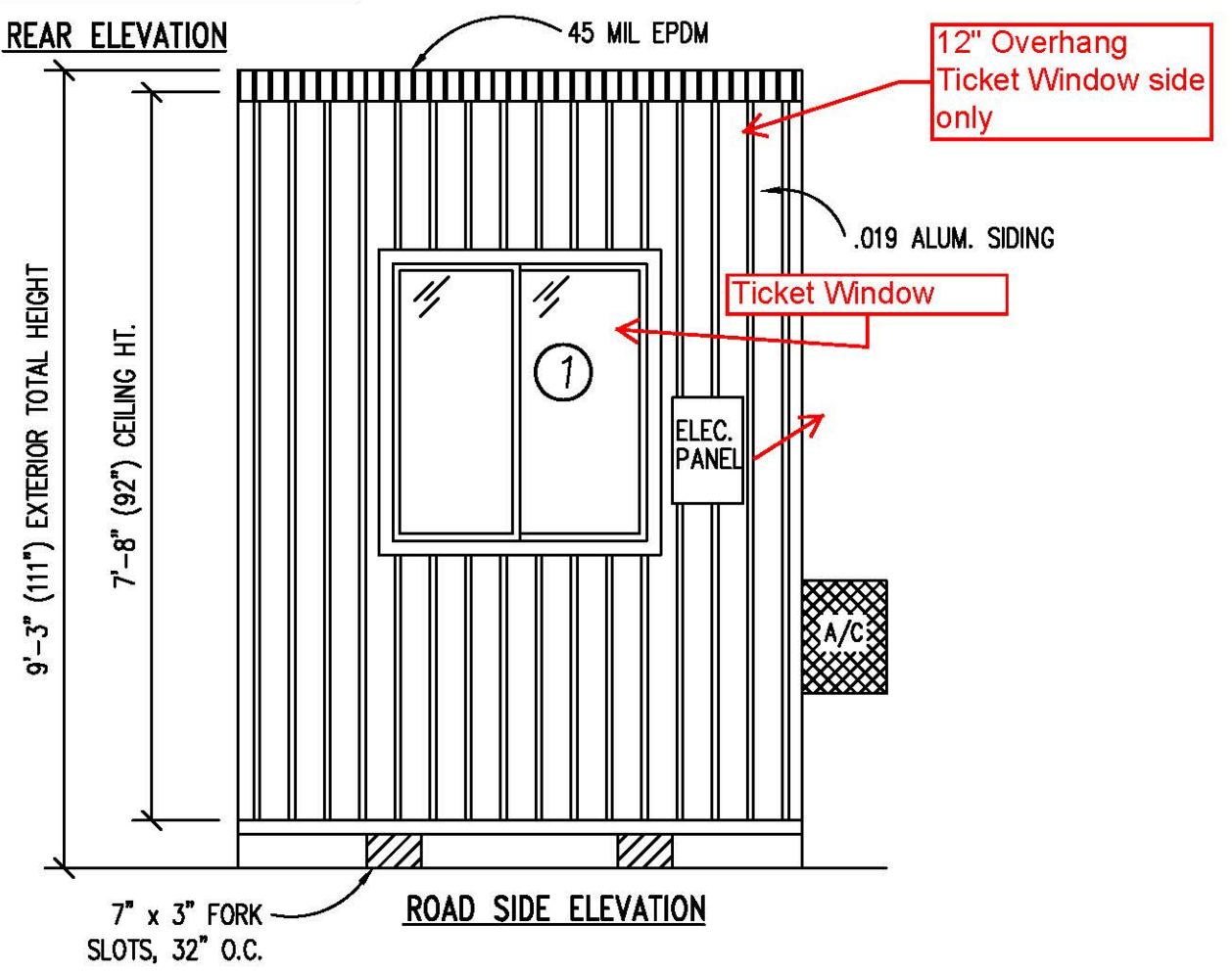


DOOR AND WINDOW SCHEDULE

- Ⓐ 36"x80" ALUM. DOOR, ALUM. FRAME, FOAM INSULATED W/ 14"x14" S.G., LEVER PASSAGE HARDWARE
- ① (2) 36"x39" CLEAR TEMPERED GLASS - HORIZONTAL SLIDER, ALUM. MILL FRAME
- ② (1) 36"x39" HORIZONTAL SLIDER, ALUM. MILL FRAME, SINGLE GLAZE

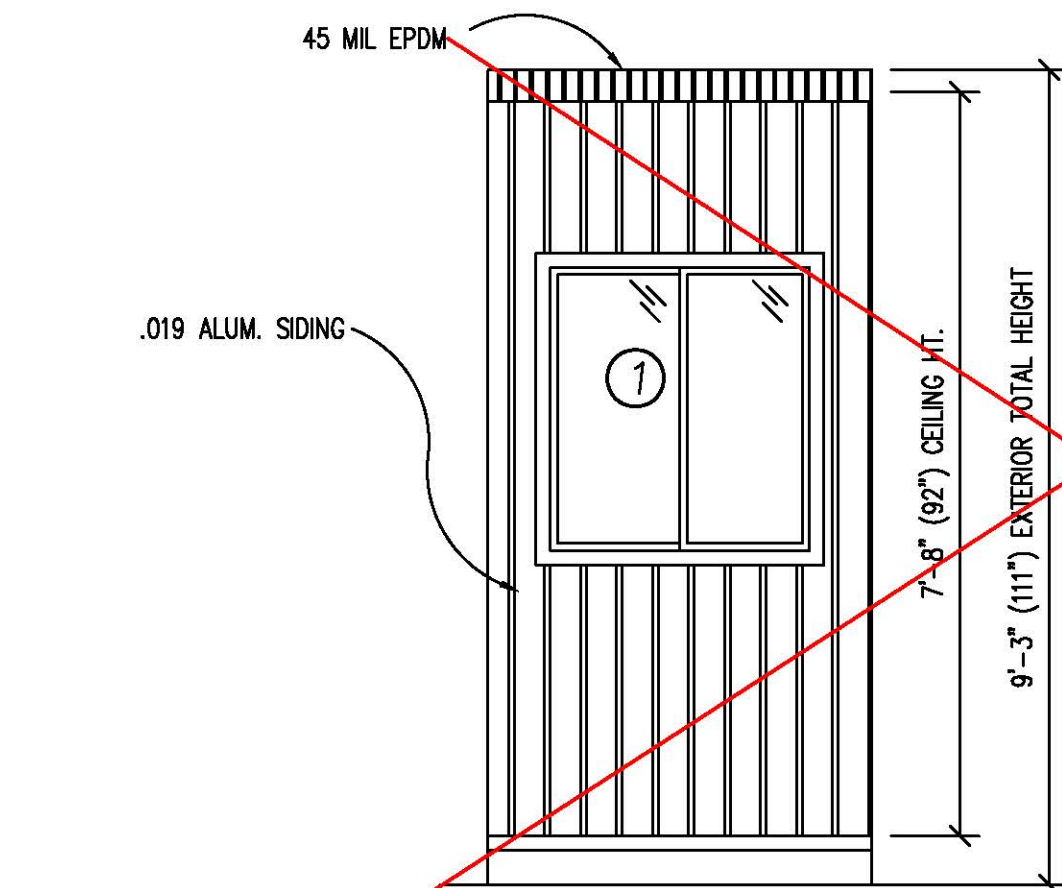


CURB SIDE ELEVATION

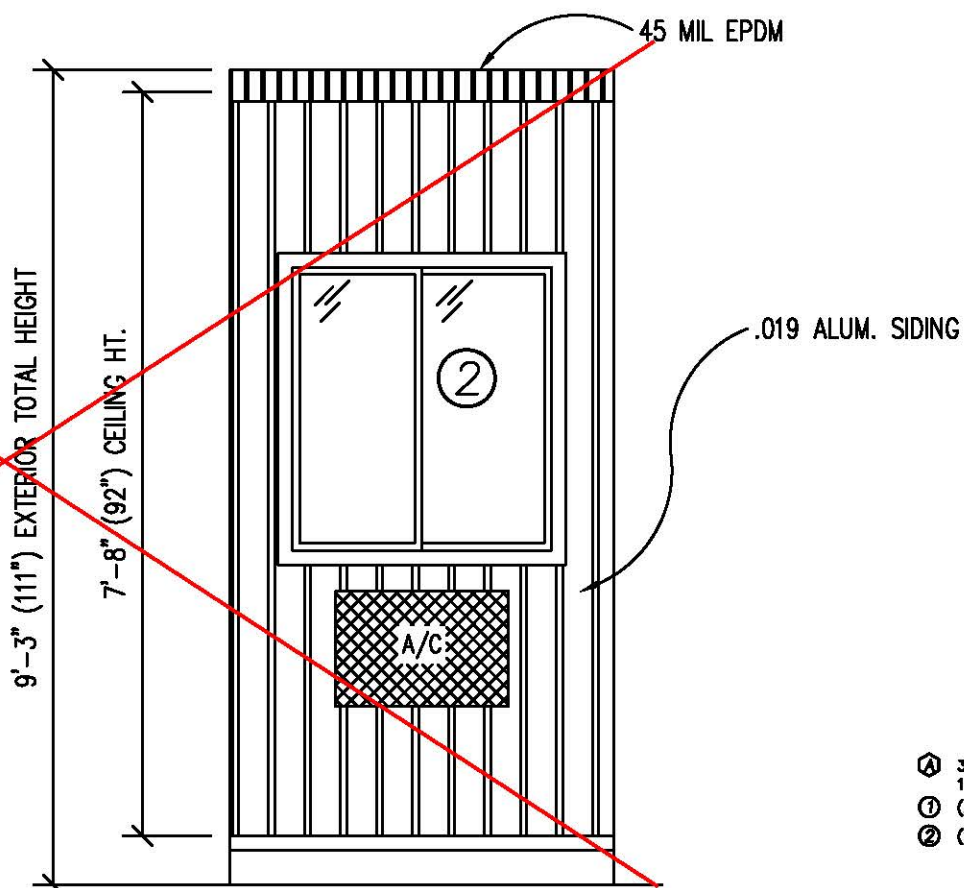


ROAD SIDE ELEVATION

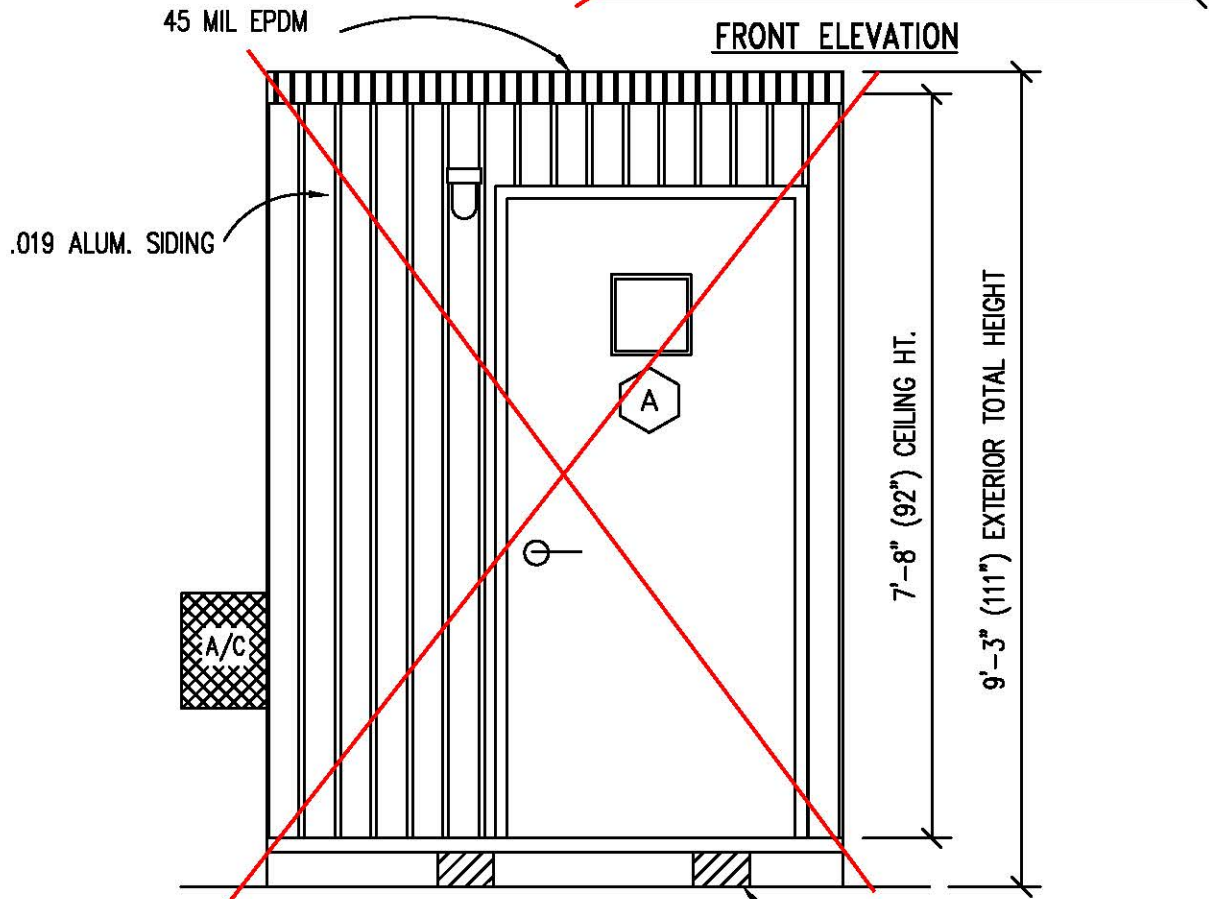
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|------------------------------|----------------|---|-------------------|------------------|
| TITLE: ELEVATIONS (PLAN "A") | DRAWN BY: R.M. | TWIN MODULAR SERVICES, INC. | DATE: 11/14/07 | JOB NO: 2007-371 |
| MODEL: 46 O/A GUARD BOOTH | REV: | 1001 LOWER LANDING RD, SUITE 607, BLACKWOOD, NJ 08012 | SCALE: 1/4"=1'-0" | DRAWING NO: 2 |



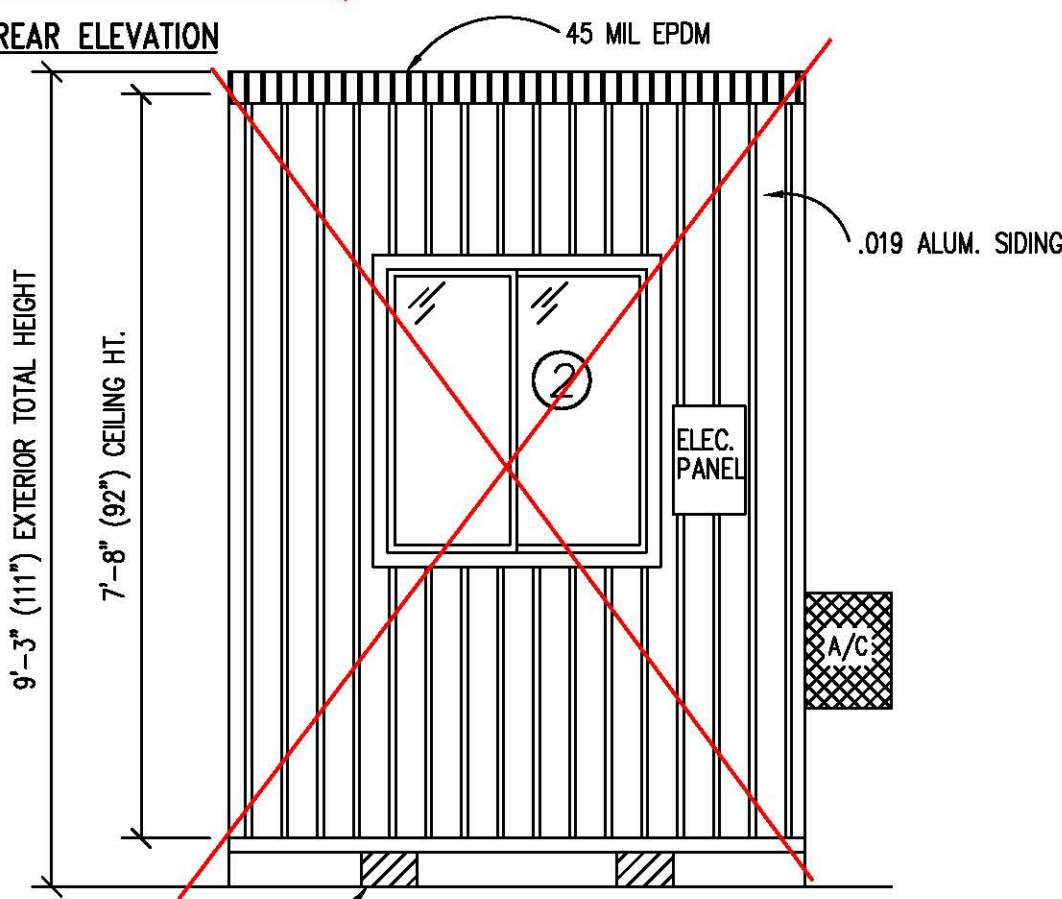
FRONT ELEVATION



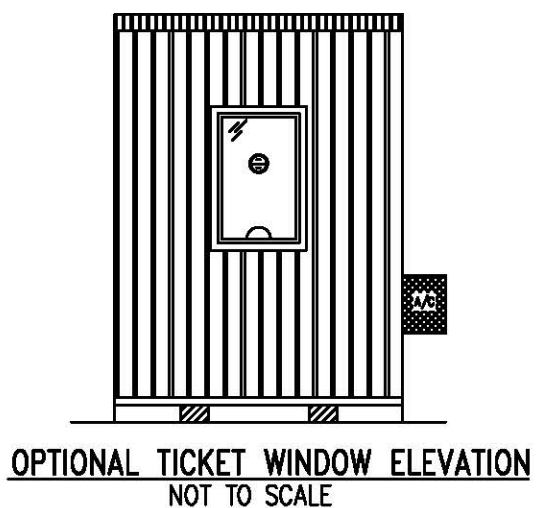
REAR ELEVATION



CURB SIDE ELEVATION

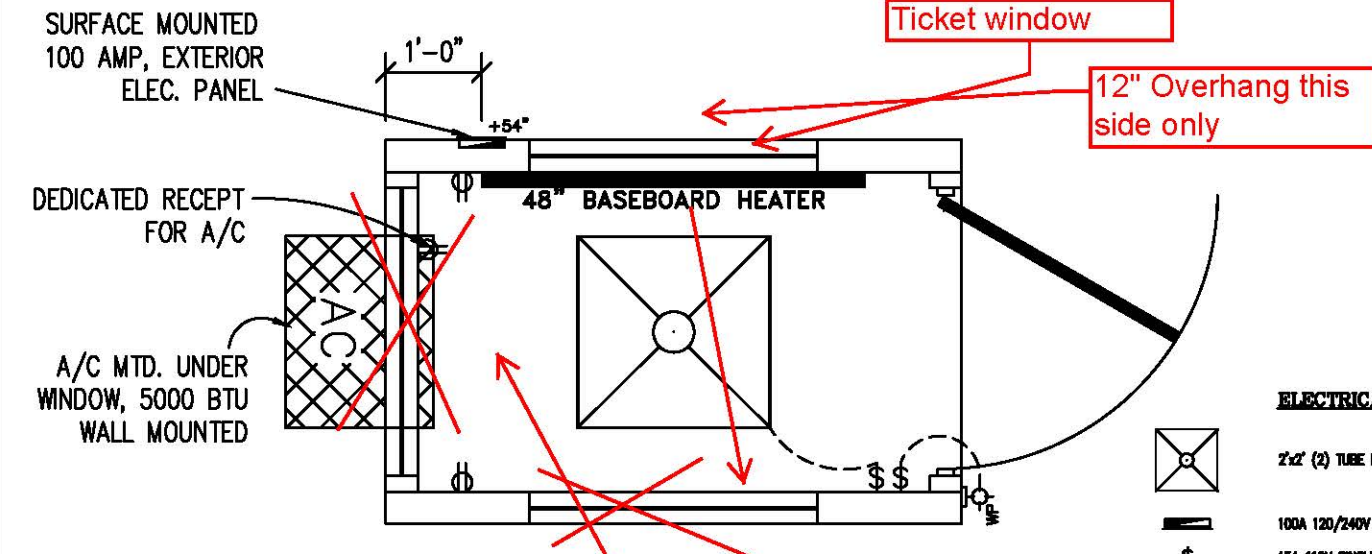


ROAD SIDE ELEVATION



- OPTIONAL TICKET WINDOW ELEVATION
NOT TO SCALE
- DOOR AND WINDOW SCHEDULE
- ① 36"x80" ALUM. DOOR, ALUM. FRAME, FOAM INSULATED W/ 14"x14" S.G., LEVER PASSAGE HARDWARE
 - ② (2) 36"x36" CLEAR TEMPERED GLASS - HORIZONTAL SLIDER, ALUM. MILL FRAME
 - ③ (1) 36"x39" HORIZONTAL SLIDER, ALUM. MILL FRAME, SINGLE GLAZE

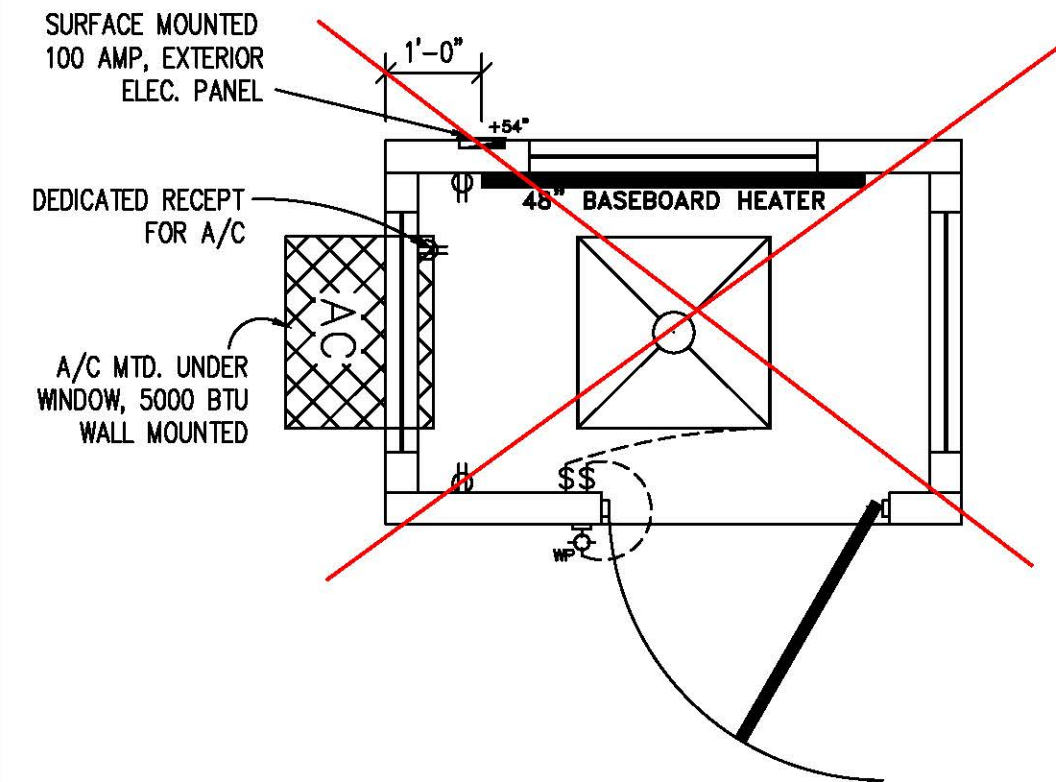
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|------------------------------|----------------|---|-------------------|------------------|
| TITLE: ELEVATIONS (PLAN "B") | DRAWN BY: R.M. | TWIN MODULAR SERVICES, INC. | DATE: 11/14/07 | JOB NO: 2007-371 |
| MODEL: 46 O/A GUARD BOOTH | REV: | 1001 LOWER LANDING RD, SUITE 607, BLACKWOOD, NJ 08012 | SCALE: 1/4"=1'-0" | DRAWING NO: 3 |



**CAPACITIES OF INSULATED CONDUCTORS
90°C WIRE COPPER**

| AWG | MAXIMUM AMPACITY |
|-----|------------------|
| 14 | 15 AMP |
| 12 | 20 AMP |
| 10 | 30 AMP |
| 8 | 50 AMP |
| 6 | 65 AMP |
| 4 | 85 AMP |
| 3 | 100 AMP |
| 2 | 115 AMP |
| 1 | 130 AMP |

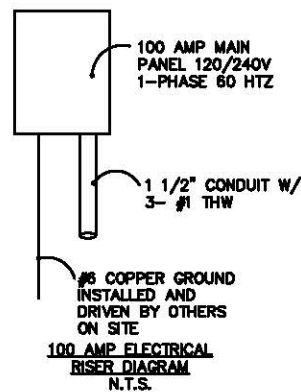
GUARDHOUSE PLAN "A"



GUARDHOUSE PLAN "B"

ELECTRICAL LEGEND

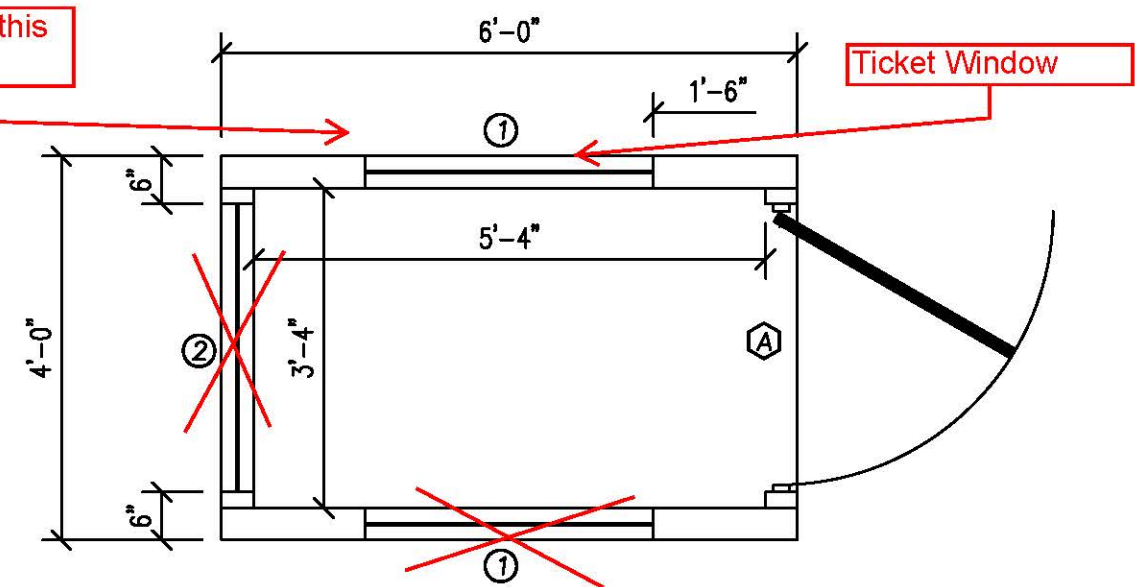
- 2'x2' (2) TUBE DROP-IN FLUORESCENT LIGHT
- 100A 120/240V MAIN PANEL, SURFACE MOUNTED EXTERIOR
- 15A 110V SINGLE POLE TOGGLE SWITCH +48"
- 15A 120V DUPLEX RECEPTACLE (RECEPTS AT +34" UNLESS NOTED)
- 150 WATT QUARTZ HALOGEN SECURITY LIGHT, WEATHERPROOF
- 48" ELECTRIC BASEBOARD HEATER



ELECTRICAL

1. ALL RECEPTACLES TO BE GROUNDING TYPE.
2. ALL WIRING TO BE PER THE EDITION OF THE NEC LISTED ON THE COVER PAGE, TYPE NM ROMEX (CU) W/ GROUND.
3. MAIN PANEL TO BE MARKED "SUITABLE FOR USE AS SERVICE EQUIPMENT", AND BE EQUIPPED W/ BREAKER/FUSE TYPE OVERCURRENT PROTECTION.
4. PROPER THERMAL OVERLOAD PROTECTION TO BE PROVIDED FOR ALL MOTORS.
5. DISCONNECTING MEANS WITHIN SIGHT REQUIRED FOR ALL MOTORS.
6. WEATHERPROOF PROTECTION REQUIRED FOR ALL OUTDOOR LIGHTS, RECEPTACLES AND DISCONNECTS.
7. PROPER WORKING CLEARANCES TO BE PROVIDED AND MAINTAINED ABOUT ALL ELECTRICAL EQUIPMENT.
8. ALL FLUORESCENT FIXTURES REQUIRE THERMAL PROTECTION AND PROPER CLEARANCES FROM INSULATION, ALSO APPLICABLE FOR INCANDESCENT FIXTURES.
9. COMBINATION EXHAUST FAN/LIGHT AND ALL RECESSED INCANDESCENT FIXTURES TO BE WITH THERMAL PROTECTION.
10. EXIT LIGHTS (IF ELECTRIC) MUST BE FED FROM AN APPROVED EMERGENCY SERVICE CONNECTED AHEAD OF, BUT NOT WITHIN MAIN SERVICE DISCONNECTION MEANS ENCLOSURE, AND INSTALLED AS PER SERVICE REQUIREMENTS, OR BE BATTERY BACKUP TYPE UNITS.
11. SERVICE CONDUCTORS, LOCATED WITHIN THE PERIMETER OF THE BUILDING, SHALL BE INSTALLED IN ACCORDANCE WITH ARTICLE 230-6, PER THE EDITION OF THE NEC LISTED ON THE COVER PAGE.
12. MAXIMUM 15 (2) TUBE FLOURESCENT LIGHTS ON 15A CIRCUIT, MAXIMUM 10 RECEPTS ON 15A CIRCUIT, MAXIMUM 7 (4) TUBE FLOURESCENT LIGHTS ON 15A CIRCUIT.
13. MAXIMUM 20 (2) TUBE FLOURESCENT LIGHTS ON 20A CIRCUIT, MAXIMUM 13 RECEPTS ON 20A CIRCUIT, MAXIMUM 10 (4) TUBE FLOURESCENT LIGHTS ON 20A CIRCUIT.

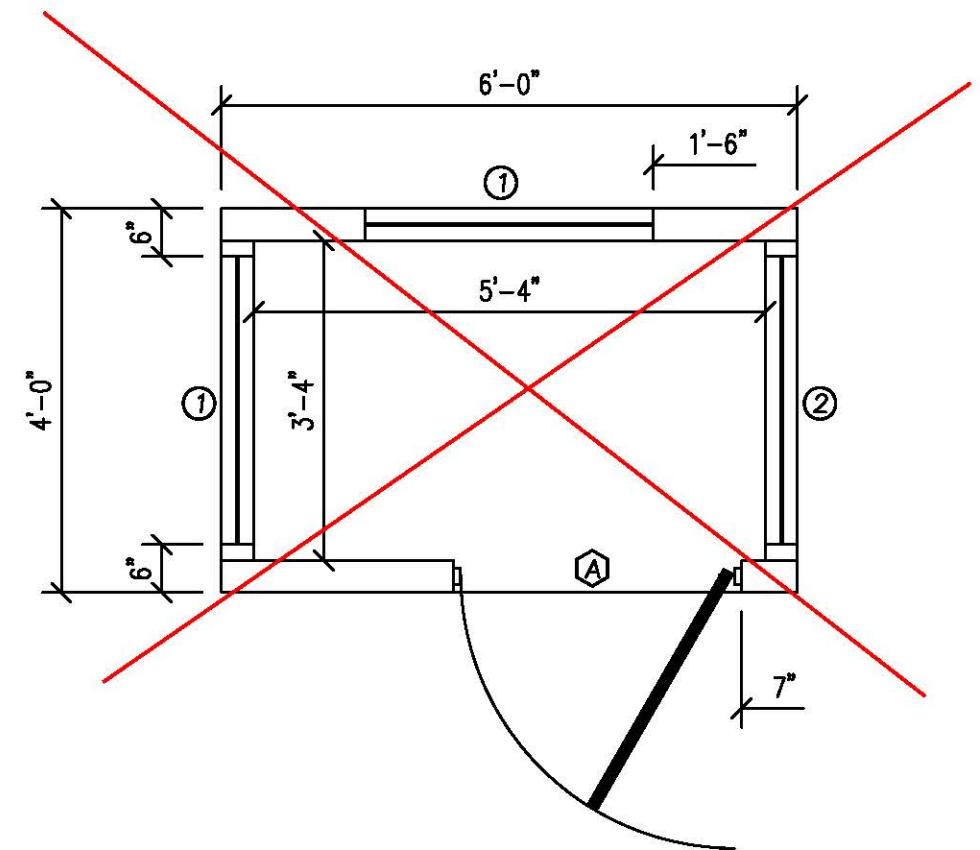
12" Overhang this side only



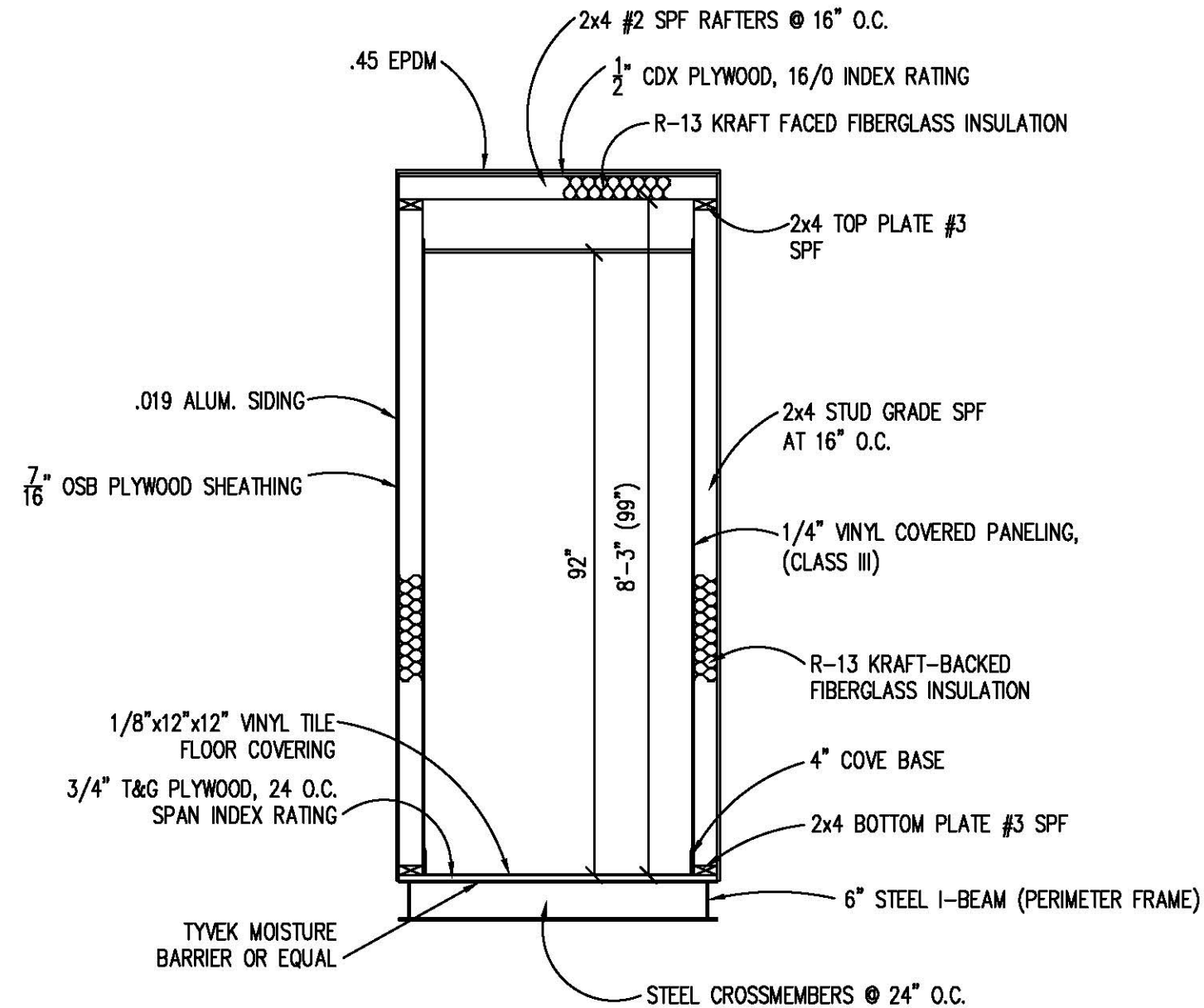
GUARDHOUSE PLAN "A"

DOOR AND WINDOW SCHEDULE

- ① 36"x80" ALUM. DOOR, ALUM. FRAME, FOAM INSULATED W/ 14"x14" S.G., LEVER PASSAGE HARDWARE
- ② 36"x39" CLEAR TEMPERED GLASS - HORIZONTAL SLIDER, ALUM. MILL FRAME
- (1) 36"x39" HORIZONTAL SLIDER, ALUM. MILL FRAME, SINGLE GLAZE

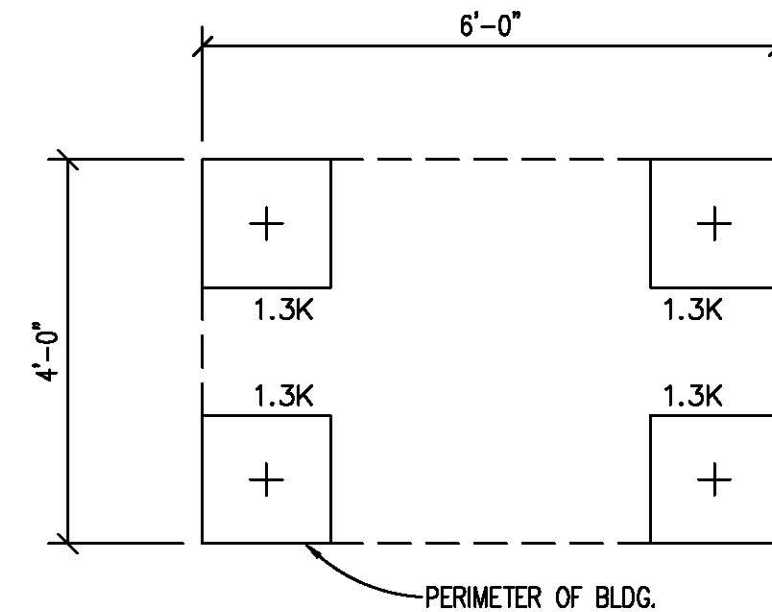


GUARDHOUSE PLAN "B"



BUILDING CODE

1. ATTIC VENTILATION SHALL NOT BE LESS THAN 1/150th OF THE HORIZONTAL AREA TO BE VENTILATED.
2. THE BUILDING EXTERIOR AND ALL FACILITIES WITHIN THE BUILDING SHALL BE IDENTIFIED WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY.
3. OWNER/BUYER SHALL BE RESPONSIBLE FOR ON SITE BARRIER FREE PROVISIONS: STEPS, RAMPS, PARKING SIGNS, ETC. - BUILDING APPROACH (WALK OR RAMP) WITH A MINIMUM WIDTH OF 5' AND A GRADIENT OF NOT MORE THAN 1 FOOT IN 20 FEET.
4. ALL LOCKS TO BE UNLOCKABLE FROM THE INTERIOR WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE.
5. CORROSION RESISTANT FLASHING AT TOP AND SIDES OF DOORS, WINDOWS AND AT ROOF PENETRATIONS.
6. ALL GLAZING WITHIN 24" OF EXTERIOR PASSAGE DOORS AND IN PASSAGE DOORS, OR WITHIN 18" OF FLOOR TO BE "SAFETY GLAZED" AND SO MARKED.



FOUNDATION AND TIE-DOWN DESIGN BY OTHERS

FOUNDATION

1. THE 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 IS BY OTHERS. FOUNDATION REVIEW AND APPROVAL IS TO BE PERFORMED BY THE LOCAL OFFICIAL HAVING JURISDICTION.
3. CRAWL SPACE TO BE VENTILATED AT 1 SQ. FT. PER EACH 150 SQ. FT. OF CRAWL SPACE AREA TO BE VENTILATED.
4. PROVIDE POSITIVE DRAINAGE UNDER UNIT.
5. PROVIDE MINIMUM CRAWL SPACE ACCESS OF 22" x 24".
6. PIER LOADS ARE SHOWN IN KIPS

DESIGN LOADS

| | |
|-------------------------|----------|
| FLOOR LIVE LOAD | = 50 PSF |
| FLOOR DEAD LOAD | = 10 PSF |
| ROOF LIVE LOAD | = 40 PSF |
| ROOF DEAD LOAD | = 10 PSF |
| EXTERIOR WALL DEAD LOAD | = 42 PLF |

FOUNDATION LEGEND

| | |
|--|---|
| | INDICATES BLOCKING TO BOTTOM OF MAIN I-BEAM |
| | INDICATES BLOCKING TO BOTTOM OF COLUMN |
| | INDICATES MINUTE-MAN OR EQUAL FRAME TIE-DOWN LOCATION AND DIRECTION |

| | | |
|--|-------------------|------------------|
| TITLE: BLOCKING POINTS PLAN CROSS SECTION | DATE: 11/14/07 | JOB NO: 2007-371 |
| MODEL: 46 O/A GUARD BOOTH | SCALE: 1/4"=1'-0" | DRAWING NO: 5 |
| TWIN MODULAR SERVICES, INC. 1001 LOWER LANDING RD, SUITE 607, BLACKWOOD, NJ 08012 | | |
| DRAWN BY: R.M. | | |