

48 0 / A MODULAR GUARD BOOTH

(4' x 8' ACTUAL SIZE)

OHIO DESIGN CODES

2005 OHIO BUILDING CODE
 2005 OHIO MECHANICAL CODE
 2005 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:..... 32 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 |
| #3 | FLOOR / ELECTRICAL PLAN |
| #4 | 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.

| | | | |
|-------------|---|--------|---------|
| JOB NO: | 2006-271 | DATE: | 9/18/06 |
| DRAWING NO: | CVR | SCALE: | NTS |
| TITLE: | TWIN MODULAR SERVICES, INC. | | |
| MODEL: | 10 INDUSTRIAL HWY., MS #26, BLDG. H3A, LESTER, PA 19113 | | |
| DRAWN BY: | R.M. | REV: | 10/3/06 |

CHASSIS

TYPE: PERIMETER

MAIN BEAM: 4" STEEL "C" CHANNEL 5.4# PER FT

CROSS MEMBERS: 4" STEEL "C" CHANNEL 5.4# PER FT @ 24" OC

PAINT: MARINE TYPE TWO PART EPOXY-BLACK

FLOOR

INSULATION: NONE

DECKING: 3/4" PLYWOOD, 24 O.C. SECURED DIRECTLY TO STEEL FRAME

COVERING: 1/4" COMMERCIAL RUBBER FLOORING - BLACK

OPTION: 3/16" STEEL PLATE FLOOR W/ NON-SKID PAINT

TRIM: 1/4" X 2" BLACK RUBBER FLOOR BASE TRIM

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'-9" 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 WOOD @ 16" O.C.

CEILING: 2'x4' T-GRID DROP CEILING @ 7'-9" A.F.F.

INSULATION: R-13 KRAFT FACED FIBERGLASS BATTS

OPTION: 6" OVERHANG ← STANDARD FEATURE

ELECTRICAL

MAIN DISTRIBUTION PANEL: INTERIOR (WEATHERPROOF) 100 AMP 120/240 VOLT SINGLE PHASE, 3 WIRE, 60 HZ. WITH GROUND

RACEWAY: MINIMUM #14/2 W/ GROUND 90 DEG. C. TYPE MC, COPPER

INTERIOR LIGHTS: 2'x4' TWO TUBE LAY-IN FLUORESCENT TROFFER PER PRINT

EXTERIOR LIGHTS: 60 WATT PORCH LIGHTS (WEATHERPROOF)

SWITCHES: 120 V. 15 AMP SINGLE POLE PER PRINT

RECEPTACLES: 120 V. 15 AMP DUPLEX RECEPPTS PER PRINT

OPTION: ADDITONAL RECEPTACLES

OPTION: EXTRA EXTERIOR LIGHTING

OPTION: INTERIOR RECESSED ELECTRICAL PANEL, 100 AMP

H.V.A.C.

HEATING: 1500 WATT WALL HEATER WITH FAN - 110V 20 AMP

AIR CONDITIONING: 110V, 8000 BTU WALL MOUNT

OPTION: HEAT / AIR CONDITIONER COMBINATION UNIT

EXTERIOR WINDOWS & DOORS

DOORS: 36" X 80" STEEL DOOR WITH 22" X 22" VISION, CLOSER AND LOCKSET

~~OPTION:~~

WINDOWS: (2) 36"X39" VINYL THERMAL INSULATED HORIZONTAL SLIDING WINDOWS

OPTION: (3) 36"X39" VINYL THERMAL INSULATED PICTURE (NONE OPERABLE) WINDOW. ALL WINDOWS TO BE TEMPERED

EXTERIOR FINISHES

SIDING: .019 ALUMINUM LIGHT GRAY

TRIM: .019 ALUMINUM DARK GRAY

WALL SHEATHING: 7/16" OSB OR CDX PLYWOOD, 16/0 SPAN INDEX RATING

ROOF SHEATHING: 1/2" CDX PLYWOOD, 16/0 SPAN RATING

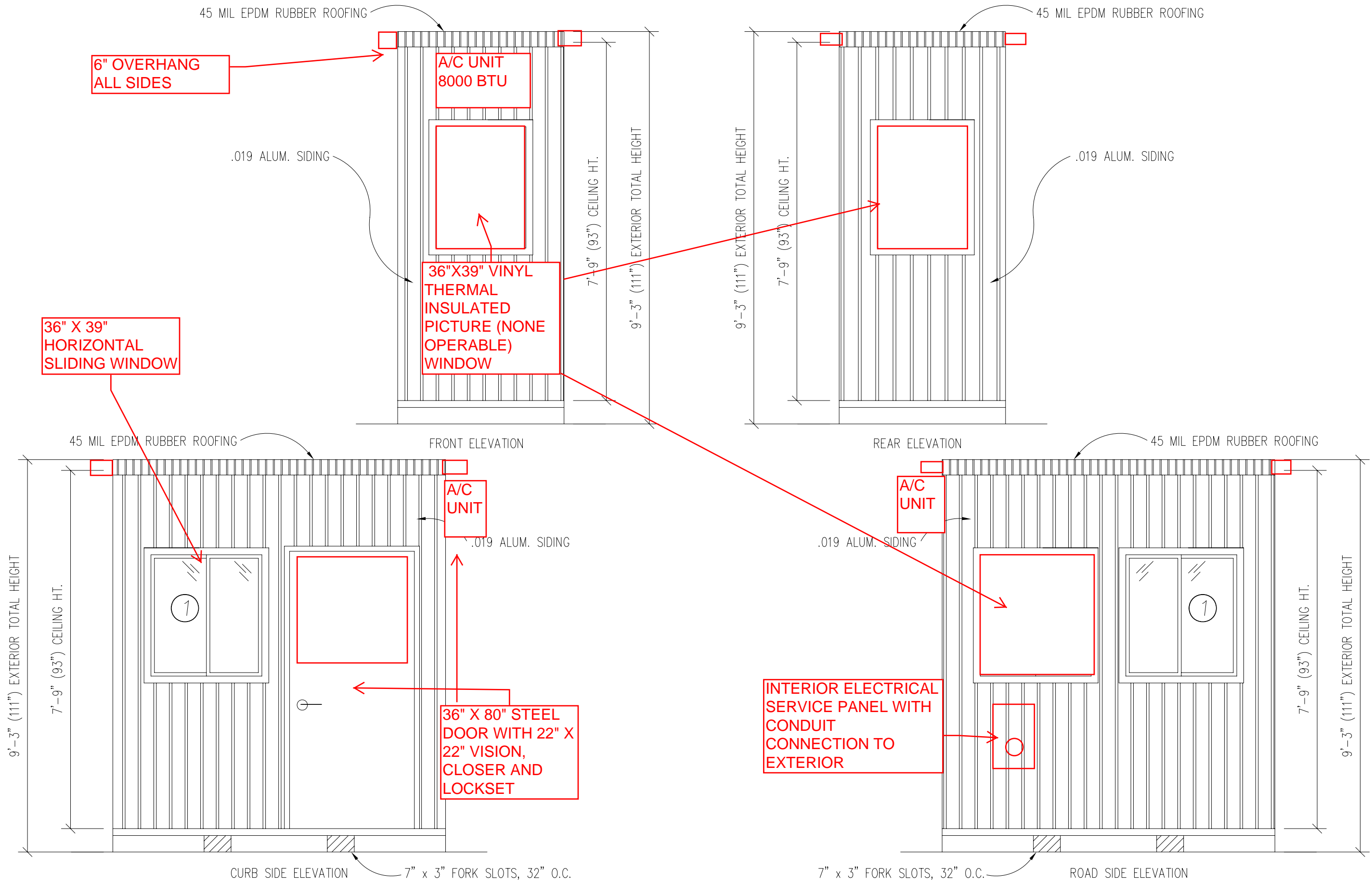
ROOF: .45 EPDM RUBBER ROOFING

FURNITURE

~~OPTION: 2'-0" x 3'-4" COUNTER TOP - WHITE MICA~~ ← STANDARD FEATURE

OPTION: STEEL PLATE COUNTER TOP

| | | | | | | | | |
|--------|--------------------|-----------|---------|---|--------|---------|-------------|----------|
| TITLE: | SPECIFICATIONS | DRAWN BY: | R.M. | TWIN MODULAR SERVICES, INC. | DATE: | 9/18/06 | JOB NO: | 2006-271 |
| MODEL: | 48 O/A GUARD BOOTH | REV: | 10/3/06 | 10 INDUSTRIAL HWY., MS #26, BLDG. H3A, LESTER, PA 19113 | SCALE: | NTS | DRAWING NO: | 1 |



6" OVERHANG ALL SIDES

A/C UNIT 8000 BTU

.019 ALUM. SIDING

36"X39" VINYL THERMAL INSULATED PICTURE (NONE OPERABLE) WINDOW

36" X 39" HORIZONTAL SLIDING WINDOW

A/C UNIT

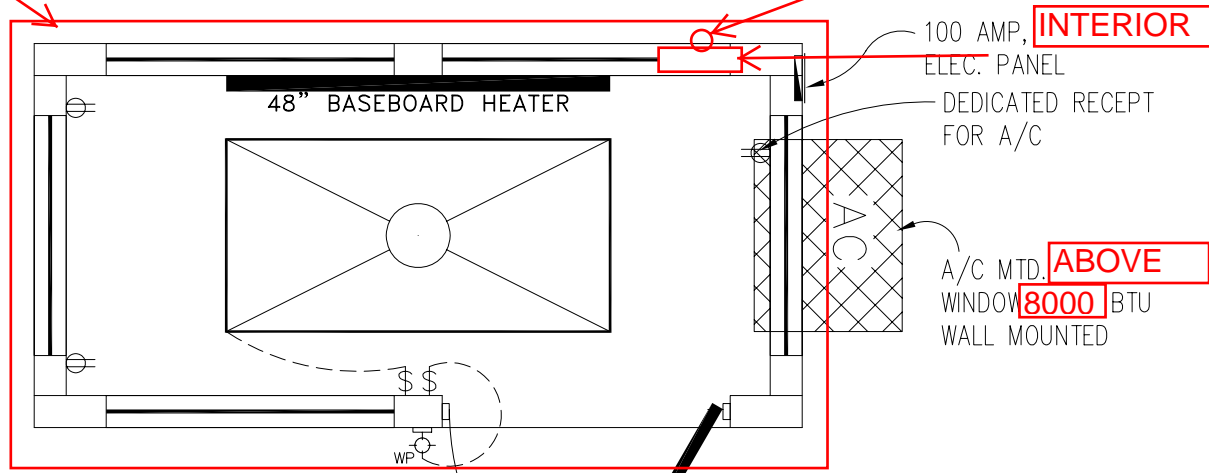
36" X 80" STEEL DOOR WITH 22" X 22" VISION, CLOSER AND LOCKSET

INTERIOR ELECTRICAL SERVICE PANEL WITH CONDUIT CONNECTION TO EXTERIOR

| | | | | |
|---------------------------|----------------|---|-------------------|------------------|
| TITLE: ELEVATIONS | DRAWN BY: R.M. | TWIN MODULAR SERVICES, INC. | DATE: 9/18/06 | JOB NO: 2006-271 |
| MODEL: 48 O/A GUARD BOOTH | REV: 10/3/06 | 10 INDUSTRIAL HWY., MS #26, BLDG. H3A, LESTER, PA 19113 | SCALE: 1/4"=1'-0" | DRAWING NO: 2 |

6" OVERHANG ALL SIDES

INTERIOR ELECTRICAL SERVICE PANEL WITH CONDUIT CONNECTION TO EXTERIOR

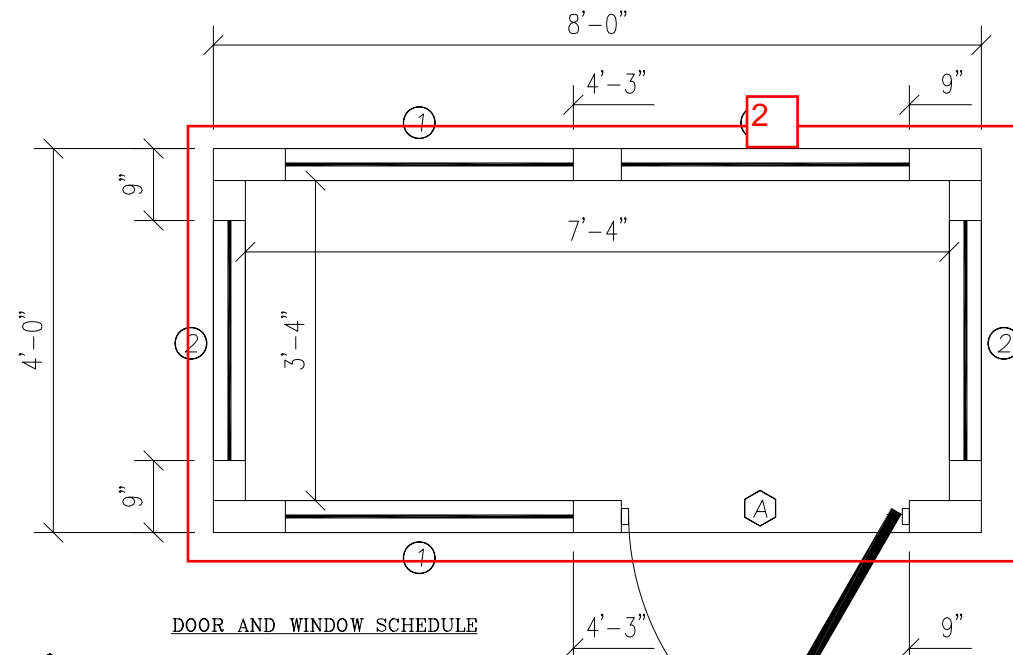


100 AMP, INTERIOR ELEC. PANEL

DEDICATED RECEPT FOR A/C

A/C MTD. ABOVE WINDOW 8000 BTU WALL MOUNTED

36" X 80" STEEL DOOR WITH 22" X 22" VISION, CLOSER AND LOCKSET

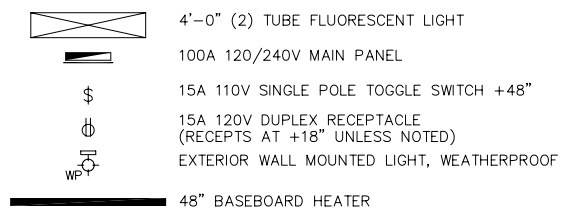


- DOOR AND WINDOW SCHEDULE
- Ⓐ 36" X 80" STEEL DOOR WITH 22" X 22" VISION, CLOSER AND LOCKSET
 - ① (2) 36" X 39" VINYL THERMAL INSULATED HORIZONTAL SLIDING WINDOWS
 - ② (3) 36" X 39" VINYL THERMAL INSULATED PICTURE (NONE OPERABLE) WINDOW

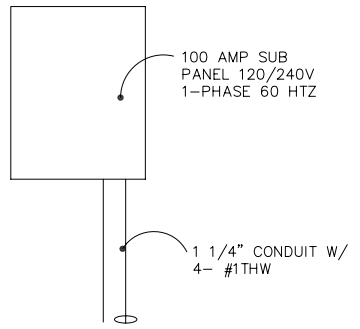
ELECTRICAL

1. ALL RECEPTACLES TO BE GROUNDING TYPE.
2. ALL WIRING TO BE PER THE EDITION OF THE NEC LISTED ON THE COVER PAGE, TYPE MC (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.

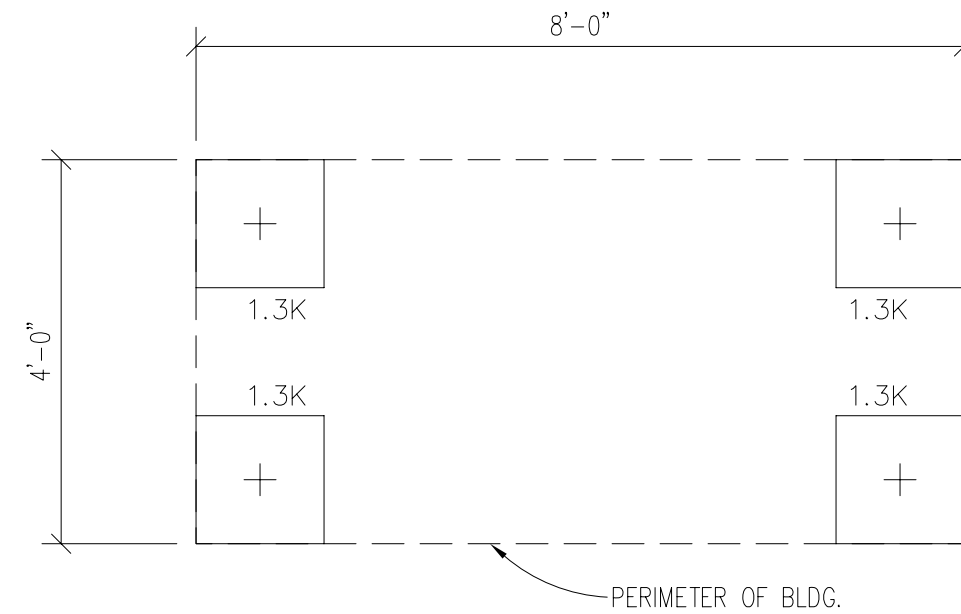
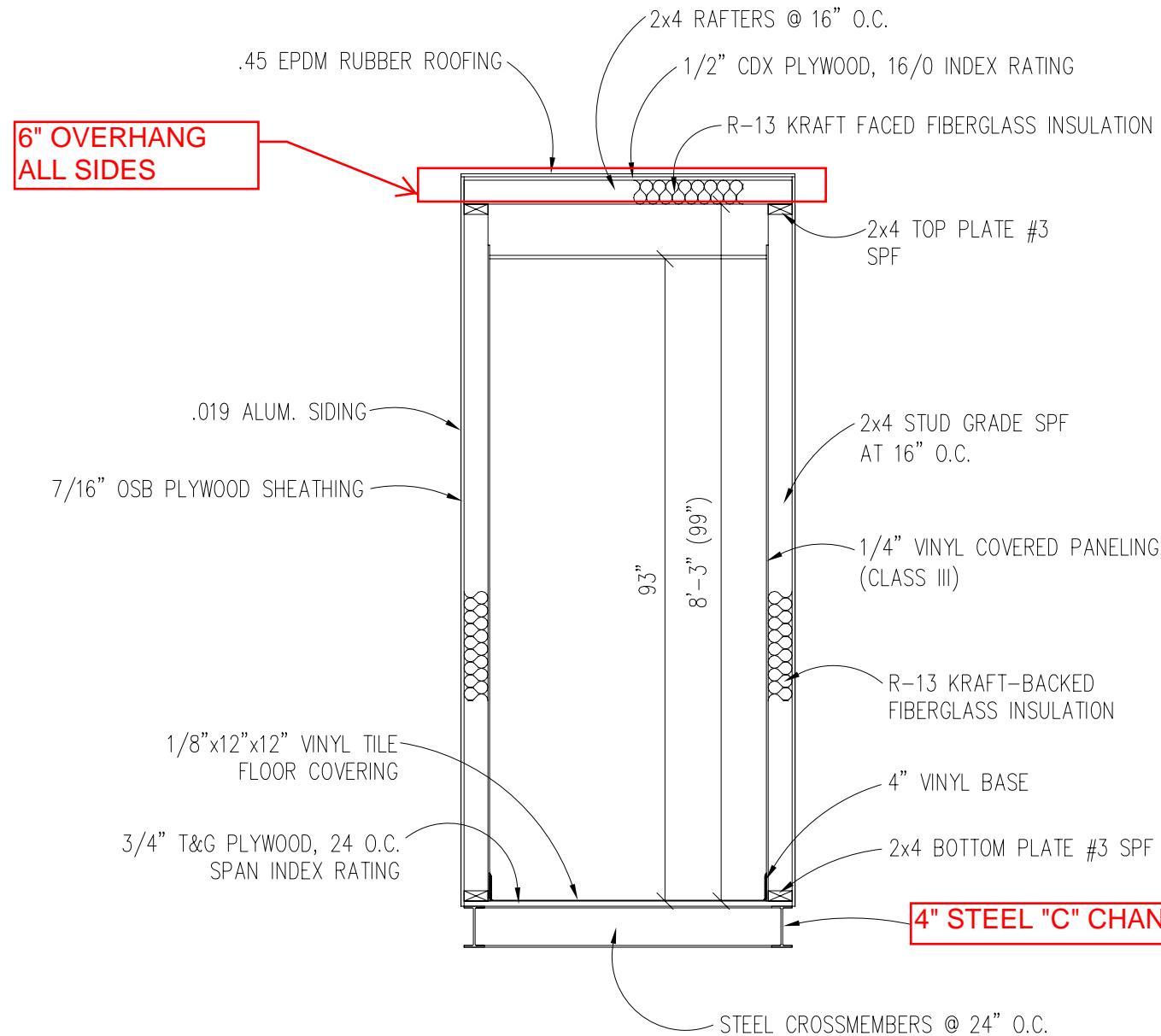
ELECTRICAL LEGEND



| AMPACITIES 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 |



TYP. 100 AMP ELECTRICAL RISER DIAGRAM N.T.S.



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. BUILDER/DEALER 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

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. MINIMUM FOOTING DEPTH OF BELOW FROSTLINE AND PER LOCAL CONDITIONS.
7. PIER LOADS ARE SHOWN IN KIPS
8. 90 MPH WIND SPEED, EXPOSURE C
9. UNIT MAY BE SHIMMED AS NECESSARY WITH HARDWOOD SHIMS BETWEEN TOP OF PIER AND MODULAR UNIT FRAME
10. MINIMUM CONCRETE STRENGTH SHALL BE 3,000 PSI AT 28 DAYS

DESIGN LOADS

| | |
|-------------------------|----------|
| FLOOR LIVE LOAD | = 50 PSF |
| FLOOR DEAD LOAD | = 10 PSF |
| ROOF LIVE LOAD | = 30 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 | DRAWN BY: R.M. | DATE: 9/18/06 | JOB NO: 2006-271 |
| MODEL: 48 O/A GUARD BOOTH | REV: 10/3/06 | SCALE: 1/4"=1'-0" | DRAWING NO: 4 |

TWIN MODULAR SERVICES, INC.

10 INDUSTRIAL HWY., MS #26, BLDG. H3A, LESTER, PA