

BUILDING SIZE: (1) 11'-9" X 30'-0"  
SQUARE FOOTAGE: 352.5 SQFT  
BUILDING SETBACK: GREATER THAN 10' TO COMMON LINE OR PROPERTY LINE  
OCCUPANCY/USE GROUP: B-BUISNESS  
OCCUPANT LOAD: (10)  
TYPE OF CONSTRUCTION: V-B COMBUSTIBLE UNPROTECTED  
BUILDING LOCATION: BUCKS COUNTY, PENNSYLVANIA

FLOOR (LIVE): 50 P.S.F.  
FLOOR (DEAD): 10 P.S.F.  
ROOF (LIVE): 30 P.S.F.  
ROOF (SNOW): 40 P.S.F.  
ROOF (DEAD): 10 P.S.F.  
MAX. WIND LOAD: 100 M.P.H. @ EXPOSURE 'C'  
SEISMIC ZONE: SDS = .49 (SEISMIC DESIGN CATEGORY 'C')  
SD1 = .19 SITE CLASS = D

2006 INTERNATIONAL BUILDING CODE  
2005 NATIONAL ELECTRICAL CODE  
2006 INTERNATIONAL ENERGY CONSERVATION CODE  
2006 INTERNATIONAL FIRE CODE  
2006 INTERNATIONAL MECHANICAL CODE  
2006 INTERNATIONAL PLUMBING CODE  
2003 ICC/ANSI A117.1 ACCESSIBILITY CODE W/AMENDMENTS

FRAME/FLOOR:

FRAME: (1) 11'-9" X 30'-0" OUTRIGGER

STEEL: M10x9LB MAIN BEAM W/13GA CROSSMEMBERS @ 48" O.C.

AXLES: (2) 6,000LB UNDERSLUNG AXLES W/ELECTRIC BRAKES

HITCH: BOLT ON REMOVABLE BALL HITCH

TIRES: (4) 8:00 X 14.5, 14PLY STANDARD TIRES

BARRIER: 1 MIL CROSS-WOVEN POLYPROPYLENE FABRIC UNDERSIDING

JOISTS: 2X8 SPF#2 OF BETTER TRANSVERSE @ 12" O.C. SPACING

INSULATION: R-21 UN-FACED F/G

DECKING: (1) LAYER 3/4" T&G OSB ADVANTECH UNDERLAYMENT, 24" O.C SPAN

FINISH: 1/8" VINYL TILE "1326"

STUDS: 2X4 #2 SPF OR BETTER @ 16" O.C. SPACING, 9'-5-1/4" HIGH SIDE  
9'-2-1/4" (3) SIDES (REAR END WALL IS 2X6 FOR PLUMBING)  
PLATES: SINGLE TOP PLATE & SINGLE BOTTOM PLATE  
INSULATION: R-15 KRAFT-FACED F/G BATTS  
FINISH: 1/2" VINYL COVERED GYPSUM "LOOMA BEIGE" INT FINISH TO BE CLASS  
"C" OR BETTER, MINIMUM FLAME SPREAD - 200 OR LESS

STUDS: 2X4 #2 & 2X3 SPF OR BETTER @ 16" O.C. SPACING, 8'-0"  
PLATES: SINGLE TOP PLATE & SINGLE BOTTOM PLATE  
INSULATION: NONE  
FINISH: 1/2" VINYL COVERED GYPSUM "LOOMA BEIGE" INT FINISH TO BE CLASS  
"C" OR BETTER, MINIMUM FLAME SPREAD - 200 OR LESS

COVE BASE: 6" VINYL COVE BASE "PUTTY"  
 CORNERS: VINYL COVERED BATTENS  
 CEILING: GRID WALL ANGLE  
 WINDOWS: "WHITE" PRE-FINISHED WOOD JAMB & CASING  
 INT DOORS: PRE-FINISHED WOODGRAIN JAMB & CASING

SHEATHING: 7/16" OSB W/HOUSEWRAP  
SIDING: 26GA HIGH RIB STEEL SIDING "LIGHT STONE"  
MANSARD: NONE  
TRIM: 26GA HIGH RIB STEEL TRIM @ TOP, BOTTOM & CORNERS "LIGHT STONE"  
SKIRTING: NONE

MATEBEAM: NONE  
 RAFTERS: 2X8 #2 SPF OR BETTER ROOF RAFTERS @ 16" O.C. SPACING  
 SHEATHING: 7/16" OSB W/1/4" DENS DECK SHEATHING  
 CEILING: 2X4 ACOUSTIC SUSPENDED CEILING  
 INSULATION: R-30 UN-FACED F/G  
 ROOFING: .045 EPDM RUBBER "BLACK"  
 MANSARD: NONE  
 EXHAUST: NONE  
 GUTTER: ALUMINUM J-RAIL ALONG LENGTH LOW SIDE, BULL NOSE ON 3 SIDES

EXTERIOR DOORS:  
 SIZE/QTY: (1) 3/0 X 6/8  
 TYPE: PRE-HUNG 20GA COMMERCIAL STEEL DOOR W/18GA STEEL FRAME  
 & 5" X 20" CLEAR VISION PANEL (UP 43" TO BOTTOM)  
 HARDWARE: SEE SHEET 'A1' FOR LIST OF HARDWARE

INTERIOR DOORS:  
 INT. DOORS: (1) 5/0 X 6/8 DOUBLE BI-FOLD HOLLOW CORE PRE-FINISHED WOOD  
 GRAIN CLOSET DOOR W/PRE-FINISHED WOODGRAIN JAMB & CASING  
 HARDWARE: PULL HANDLE

SERVICE: 120/240V SINGLE PHASE, 3 WIRE  
PANELS: (1) 100A MAIN BREAKER W/ENT SERVICE ENTRANCE  
RACEWAY: ROMEX CABLE/MC CABLE (PER NEC) 12/2 WIRE  
LIGHT: (5) TWO-TUBE GRID MOUNTED FLUORESCENT LIGHT FIXTUREW/T-8 LAMPS  
& SINGLE ELECTRONIC BALLAST #P141-2-32G-MA16-S-SEU  
(1) 26W RECESSED LIGHT  
(QUANTITY IS DETERMINED BY 1.0 WATTS/SQ. FT)  
EXT LIGHTS: (2) 13W FLUORESCENT EXTERIOR LIGHT (825 LUMENS) W/BATTERY  
BACKUP EMERGENCY FEATURE @ EVERY EXTERIOR DOOR  
(PHOTO-CELL CONTROLLED)  
RECEPTS: (8) 120V/15 AMP DUPLEX GFI "WHITE"  
(2) 120V/15 AMP GFI "WHITE" W/IN USE WATERPROOF COVER  
(1) 120V/15 AMP UNDER FLOOR HEAT TAPE RECEPTACLE  
SWITCHES: "WHITE" OCCUPANCY SENSOR 120V/15 AMP PER SHEET 'E1'  
EXIT/EMER: (2) WALL/CEILING MOUNTED EXIT/EMERGENCY LIGHTS W/BATTERY  
BACKUP SURLITE #AP70RWHDH  
VOICE/DATA: NONE  
FIRE ALARM: (2) LOCATIONS W/SINGLE GANG BOXES AND EMT CONDUIT TO ABOVE  
CEILING FOR EQUIPMENT TO BE INSTALLED ON SITE BY OTHERS (NO  
COVER PLATES SUPPLIED)

EQUIPMENT: (1) 30,000 BTU (2-1/2 TON) WALL MOUNTED CENTRAL HVAC UNIT  
W/10KW ELECTRIC HEAT STRIPS  
SUPPLY: F/G IN CEILING W/24" X 24" ADJUSTABLE DIFFUSERS  
RETURN: F/G IN CEILING W/24" X 24" GRILLES  
EXHAUST: (2) 250CFM EXHAUST FAN  
THERM: (1) 7-DAY WALL MOUNTED PROGRAMMABLE HEAT/COOL

**PLUMBING:**  
**SUPPLY:** CPVC PIPE & FITTINGS  
**WASTE** SCHEDULE 40 PVC PIPE & FITTINGS  
**HEATER:** (1) 6-GALLON TANK TYPE WATER HEATER W/PLASTIC WATER HEATER PAN & TEMPERING VALVE  
**LAVATORY:** (5) WALL HUNG CHINA W/SINGLE LEVER FAUCET  
**TOILETS:** (2) HANDICAPPED BOWL TANK TYPE W/OPEN FRONT SEAT  
 (2) ELONGATED BOWL TANK TYPE TOILETS W/OPEN FRONT SEAT  
**URINAL:** (2) WALL HUNG CHINA W/TOP SPUD FLUSH VALVE TYPE  
**ACCES.:** (4) TOILET PAPER HOLDER  
 (4) 18" X 30" UN-FRAMED MIRROR  
 (2) 18" SST VERTICAL HANDICAPPED GRAB BAR, BOBRICK #B1608-18  
 (2) 36" SST HANDICAPPED GRAB BAR, BOBRICK #B1608-36  
 (2) 42" SST HANDICAPPED GRAB BAR, BOBRICK #B1608-42  
 (2) ENAMELED STEEL URINAL SCREEN (ALMOND)  
 (2) ENAMELED STEEL MODESTY PARTITION (ALMOND)  
 (2) ENAMELED STEEL HANDICAPPED MODEST PARTITION (ALMOND)

<h1 style="text-align: center; margin: 0;">LEGEND</h1>		
SHEET	DESCRIPTION	DRAWING ABBREVIATIONS
C1	COVER SHEET	A.F.F. ABOVE FINISHED FLOOR
A1	FLOOR PLAN	B.F.C. BELOW FINISHED CEILING
A2	EXTERIOR ELEVATION	E.O.U. END OF UNIT DIMENSION
E1	ELECTRICAL PLAN	E.O.W. END OF WALL DIMENSION
M1	MECHANICAL PLAN	F/G FIBERGLASS
P1-2	PLUMBING SCHEMATIC	GSL GROUND SNOW LOAD
S1	SECTION PLAN	PSF POUNDS PER SQUARE FOOT
S2	BLOCKING DIAGRAM	U.O.N. UNLESS OTHERWISE NOTED

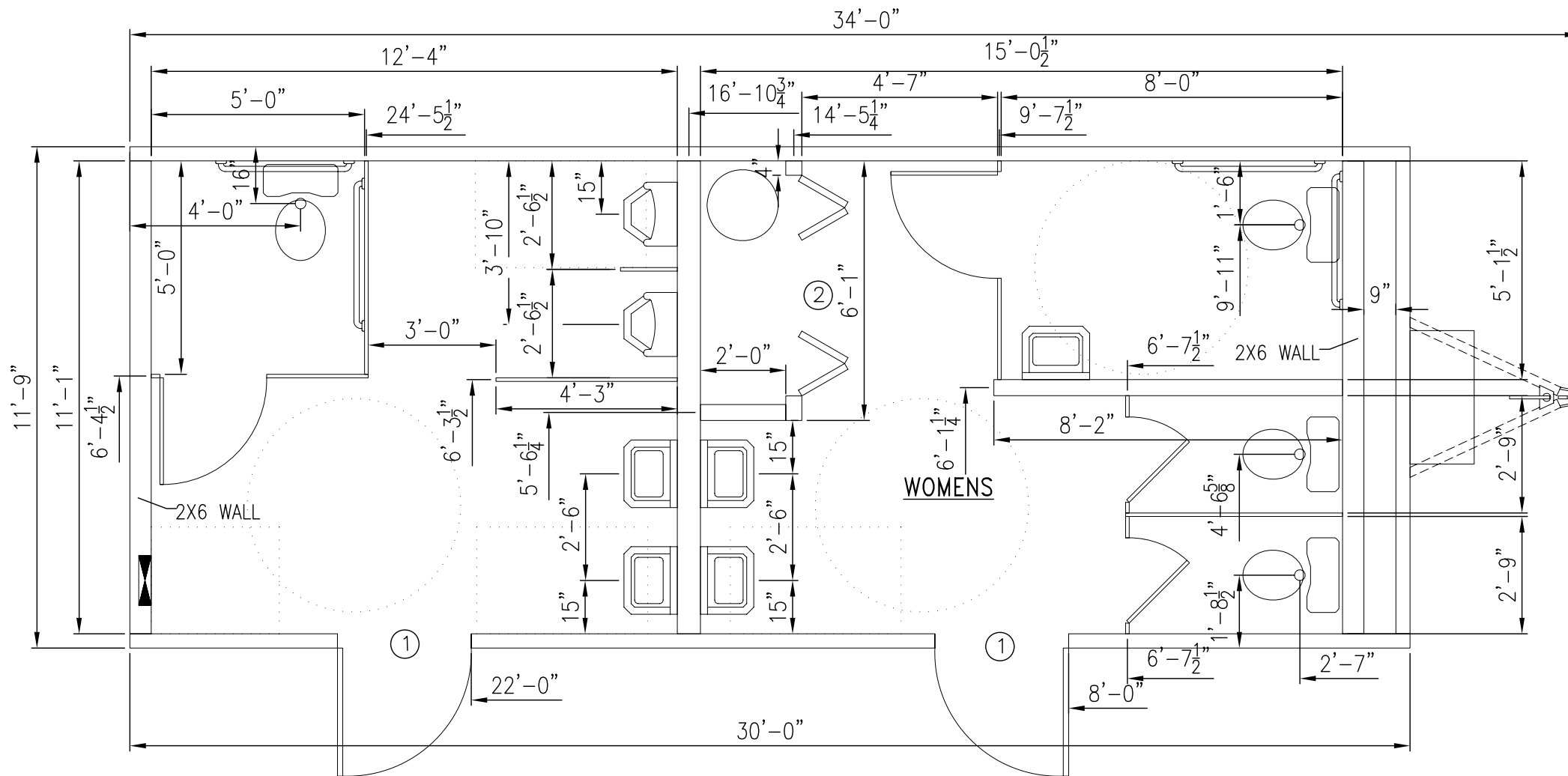
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APPROVED BY:	



#### BUILDING NOTES:

1. ATTIC VENTILATION SHALL NOT BE LESS THAN 1/150th OF THE HORIZONTAL AREA TO BE VENTILATED, UNLESS A VAPOR BARRIER IS INSTALLED THEN THE RATE SHALL BE REDUCED TO 1/300th.
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 1/20 FEET FOR SIDEWALKS AND A MAXIMUM OF 1/12 FOR RAMPS.
4. LANDING SHALL BE PROVIDED OUTSIDE OF EACH EXIT DOOR, EACH EXIT DOOR - 5 FOOT MINIMUM WIDTH WITH 1/2" MAXIMUM CHANGE IN ELEVATION. LANDING TO EXTEND A MINIMUM OF 24" PAST STRIKE EDGE OF THE DOOR. LANDING AND RAMPS BY OTHERS AT SITE.
5. ALL LOCKS TO BE UNLOCKABLE FROM THE INTERIOR WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE.
6. CORROSION RESISTANT FLASHING AT TOP AND SIDES OF DOORS, WINDOWS AND AT ROOF PENETRATIONS.
7. ALL GLAZING WITHIN 24" OF EXTERIOR PASSAGE DOORS AND IN PASSAGE DOORS, OR WITHIN 18" OF FLOOR TO BE "SAFETY GLAZED" AND SO MARKED.

#### DOOR/WINDOW SPECIFICATIONS & ROUGH-IN SCHEDULE

I.D.	DESCRIPTION	ROUGH-IN	QNTY
①	3/0 X 6/8 20GA PRE-HUNG COMMERCIAL STEEL DOOR W/18GA STEEL FRAME, 5" X 20" VISION PANEL UP 43" TO BOTTOM, DOOR CLOSER TELL #12641, KEYED LEVER SET TELL #LC2681, WEATHER STRIPPING, ALUMINUM THRESHOLD & ALUMINUM DRIP CAP (DOOR AND FRAME ARE PAINTED "WHITE")	36-1/4" X 80-1/4"	2
②	5/0 X 6/8 HOLLOW CORE PRE-FINISHED WOOD GRAIN DOUBLE BI-FOLD CLOSET DOORS W/PRE-FINISHED WOOD GRAIN JAMB AND CASING "458 AUTUMN OAK" W/997 CASING & FLOOR MOUNTED DOOR STOP	62" X 81"	1

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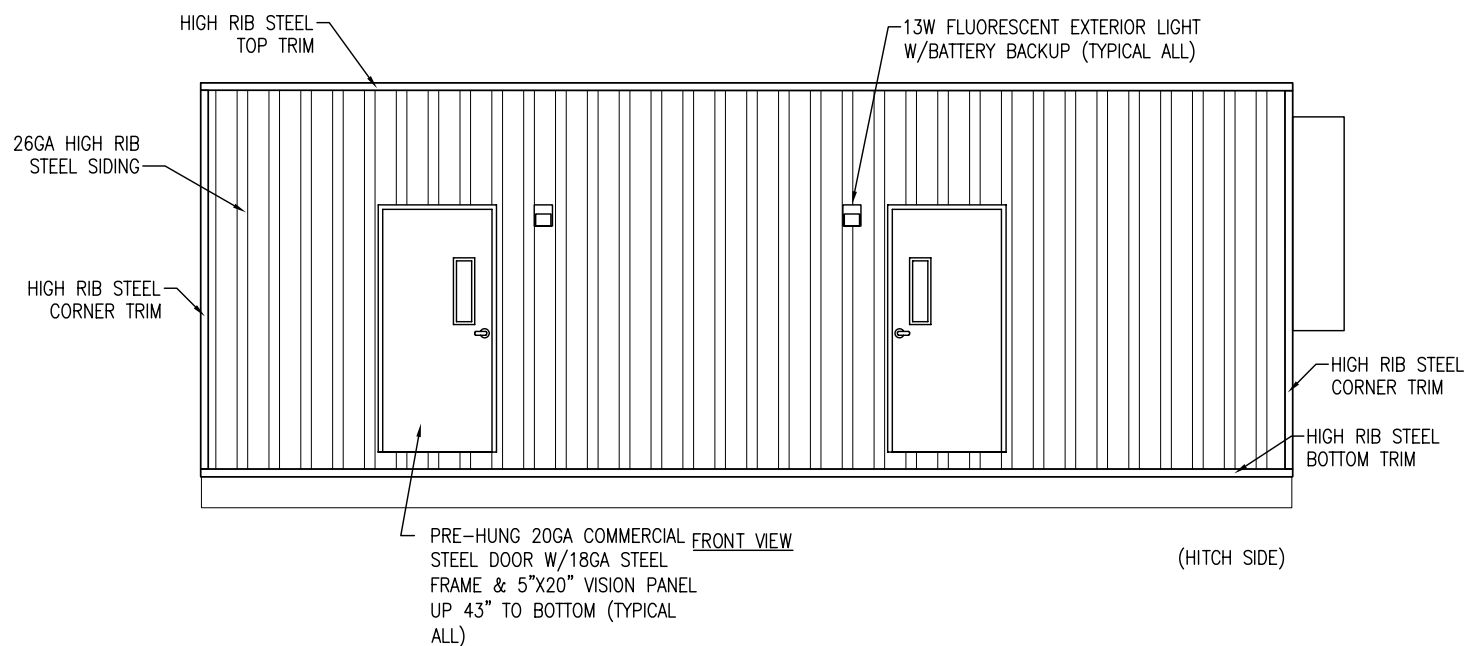
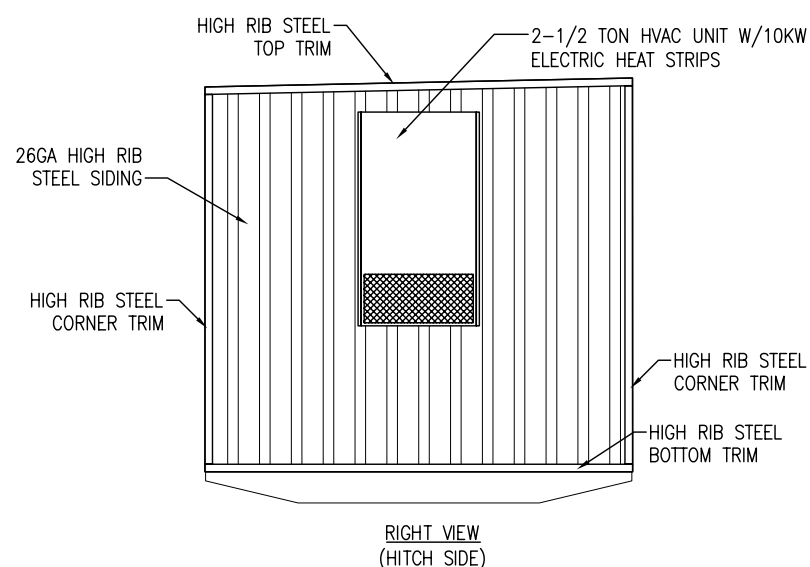
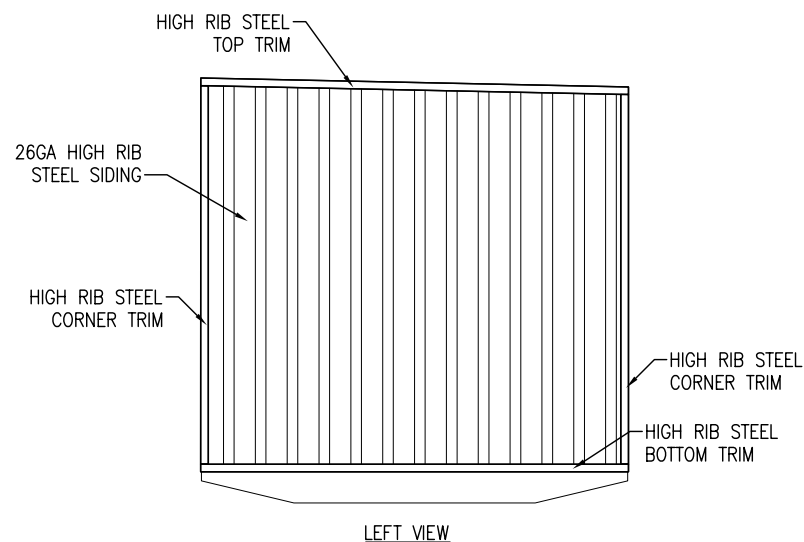
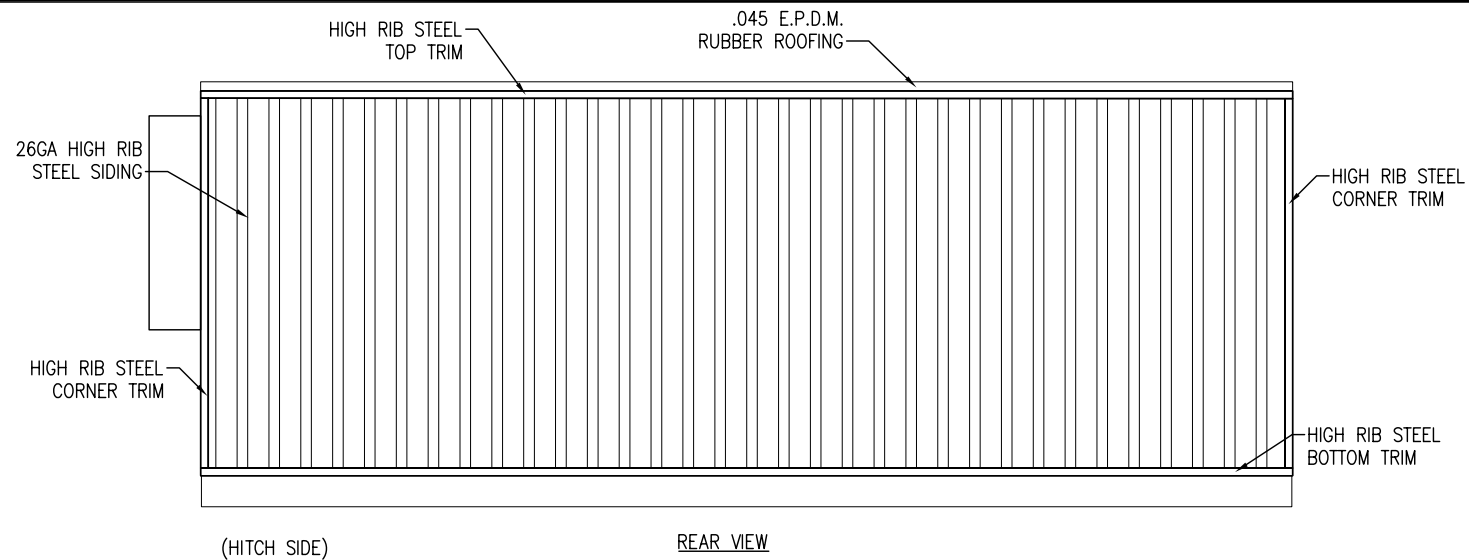
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### FLOOR PLAN

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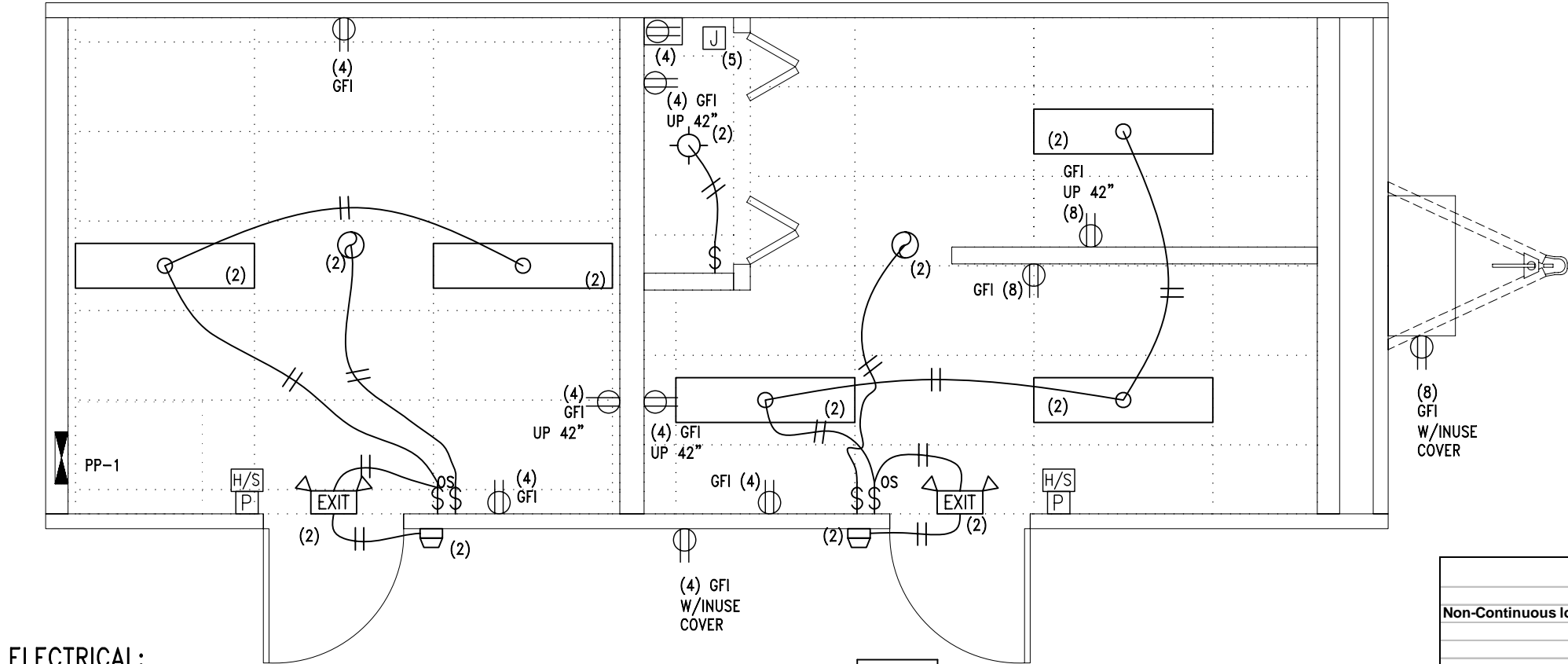
EXTERIOR  
ELEVATIONS

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ELECTRICAL:

1. ALL RECEPTACLES TO BE GROUNDED TYPE.
2. ALL WIRING TO BE PER N.E.C., W/TYPE ROMEX OR MC WHERE EXPOSED ABOVE GRID CEILING (COPPER) W/GROUND CONDUCTOR.
3. MAIN PANEL TO BE MARKED "SUITABLE FOR USE AS SERVICE EQUIPMENT", AND BE EQUIPPED WITH BREAKER/FUSE TYPE OVER CURRENT 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 DISCONNECTING 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 NATIONAL ELECTRIC CODE
12. EXTERIOR LIGHTS ARE TO BE PHOTO-CELL CONTROLLED AND BI-LEVEL SWITCHING OF INTERIOR LIGHTS IN ACCORDANCE WITH INTERNATIONAL ENERGY CONSERVATION OR STATE CODES.
13. INTERIOR LOCATION OF ELECTRICAL PANEL REQUIRES A DISCONNECT TO BE INSTALLED AT THE POINT OF ENTRANCE NEAREST THE SERVICE CONDUCTORS.
14. INSULATED WIRE STAPLES
15. TAMPER PROOF RECEPTACLES

NOTE:  
SMOKE DETECTOR PROVIDED BY CUSTOMER FOR  
INSULATION ON SITE BY OTHERS



ELECTRICAL LEGEND

- 100A SINGLE PHASE BREAKER PANEL W/1-1/2" CONDUIT SERVICE ENTRANCE THRU FLOOR
- 1X4 TWO TUBE GRID MOUNTED FLUORESCENT LIGHT W/T-8 LAMPS & WRAP AROUND DIFFUSERS #P414-232G-MA16S-EU
- 26W FLUORESCENT RECESSED LIGHT
- SINGLE POLE WALL MOUNTED OCCUPANCY SENSOR UP 44" A.F.F. (U.O.N.) #WSP200W
- SINGLE POLE TOGGLE SWITCH UP 44" A.F.F. (U.O.N.)
- 13W FLUORESCENT LIGHT (825 LUMENS) W/BATTERY BACKUP EMERGENCY FEATURE, UP 84" A.F.F., PHOTO-CELL CONTROLLED, #30S-CP-HB-13PL-NPF-120-EM-LP
- COMBINATION DUAL HEAD EMERG./SINGLE FACED EXIT LIGHT W/BATTERY BACKUP, AP70RWHDH
- 250CFM EXHAUST FAN
- 15A. DUPLEX RECEPTACLE, 110V. UP 18" A.F.F. (U.O.N.)
- 15A. HEAT TAPE RECEPTACLE, 110V.
- JUNCTION BOX PER PLAN
- DATA/COMMUNICATION ROUGH-IN W/SINGLE GANG BOX UP 18" A.F.F. & 1/2" PLASTIC CONDUIT TO BELOW FLOOR (EQUIPMENT ON SITE BY OTHERS)
- PULL STATION & HOR/STROBE ROUGH-IN W/SINGLE GANG BOX UP 44" A.F.F., (1) SINGLE GANG BOX UP 84" A.F.F. & 1/2" PLASTIC CONDUIT TO BELOW FLOOR (EQUIPMENT ON SITE BY OTHERS)

Electrical Load Calculations Panel #1

	Item	QTY	Watts	%	Total	
Non-Continuous loads	Receptacles	11	180	1	1980	Watts
				1	0	Watts
	Sub Total				1980	Watts
Continuous loads	Interior Lights	5	64	1.25	400	Watts
	Interior Lights	1	13	1.25	16.25	Watts
	Exterior lights	2	13	1.25	32.5	Watts
	Emergency Lights	2	2.8	1.25	7	Watts
	Fan	2	156	1.25	390	Watts
	Sub Total				846	Watts
Other Continuous loads	Water Heater	1	1500	1.25	1875	
	HVAC	1	13680	1.25	17100	
	Sub Total				18975	
Calculated Lighting load		352.5	3.5	1	1234	Watts
Lighting Circuits required	846	/	120	=	7.0	Amps
Note: Use Calculated lighting load because it exceeds 125 percent of the actual lighting load						
Panel Size	Non-Continuous Electrical Load				1980	Watts
	Continuous Electrical Load		1234	1	1234	Watts
	Other Continuous Electrical Load				18975	
	Total Load				22189	Watts
Panel Phase Amps	22189	/	240	=	92.5	Amps

100 AMP  
BREAKER  
PANEL

MINIMUM COPPER  
SERVICE FEEDER  
3#1 90°C THHN  
W/#8 GROUND  
PER NEC TABLE  
310.16 & 250.122

GROUNDING ELECTRODE SYSTEM TO BE  
PROVIDED PER NEC SECTIONS 250.50 &  
250.52 ON SITE BY OTHERS

ONE LINE DIAGRAM

PANEL: PP-1		100A. MAIN BREAKER SUB PANEL 120/240V., SINGLE PHASE, 3 WIRE									
LOCATION: EXTERIOR WALL		10,000 AIC., BOT. FEED									
MOUNTING TYPE: RECESSED		1-1/2" SERVICE ENTRANCE, COPPER BUS, GROUND BAR									
CIRC. NO.	CIRC. BKR.	WIRE	POLE	CIRCUIT DESIGNATION	A	B	CIRCUIT DESIGNATION	CIRC. NO.	CIRC. BKR.	WIRE	POLE
1	60A.	6/3	2	2-1/2 TON HVAC UNIT	45.6	5.6	LIGHTS, FAN & RECEPTACLES	2	20A.	12/2	1
3				W/10KW ELEC. HEAT		45.6	RECEPTACLES	4	20A.	12/2	1
5	20A.	12/2	1	6-GALLON TANK WATER HEATER	12.5			6			
7						4.5	RECEPTACLES	8	20A.	12/2	1
9								10			
					63.7	62.1					

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ELECTRICAL  
PLAN

DWG. NO.:

E1

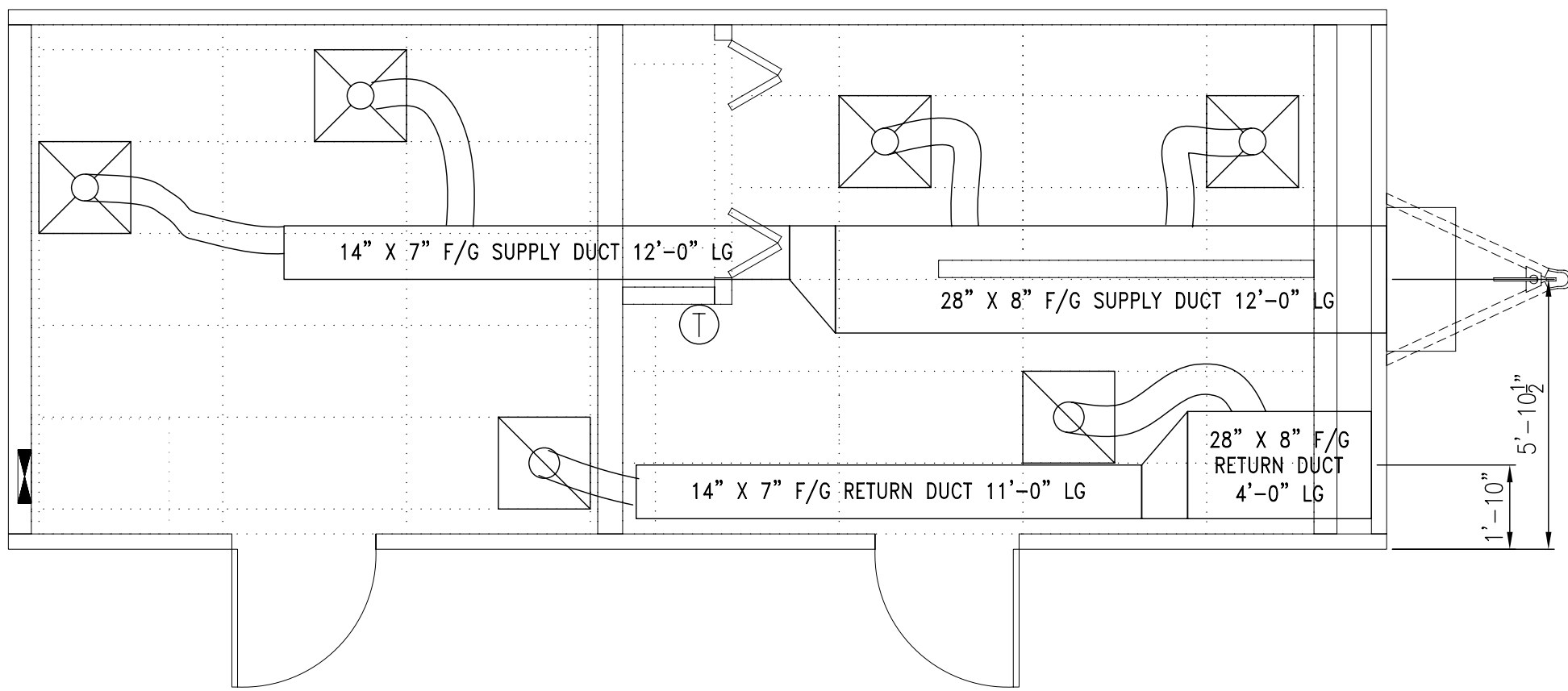
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**MECHANICAL:**

1. EXHAUST FANS AND VENTING EQUIPMENT TO BE DUCTED TO EXTERIOR AND TERMINATE AT AN APPROVED VENT CAP.
2. "MECHANICAL VENTILATION", USE 75% OF RECIRCULATED AIR VIA HVAC UNIT.
3. DUCT EXPOSED TO NON-CONDITIONED SPACES SHALL BE INSULATED TO PROVIDE A THERMAL RESISTANCE.
4. FLOOR AND WALL REGISTERS: THE LOWER EDGE SHALL NOT BE LESS THAN 1/2" FROM THE FLOOR IN TOILET ROOMS, LAUNDRY ROOMS OR UTILITY ROOMS.
5. METAL CHIMNEYS SHALL EXTEND AT LEAST 3 FT. ABOVE THE HIGHEST POINT WHERE THEY PASS THROUGH THE ROOM AND 2 FT. MINIMUM HIGHER THAN OTHER PORTIONS OF A BUILDING WITHIN 10 FT.
6. DUCTS SHALL BE CLASS I, IF NON-METALLIC, AND IF ALUMINUM OR GALVANIZED SHALL BE PER TABLE M-603.3 2006 IMC
7. RETURN AIR VIA GRILLES IN WALL, DOORS OR CEILING AS NOTED.

**MECHANICAL LEGEND**

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**MECHANICAL  
PLAN**

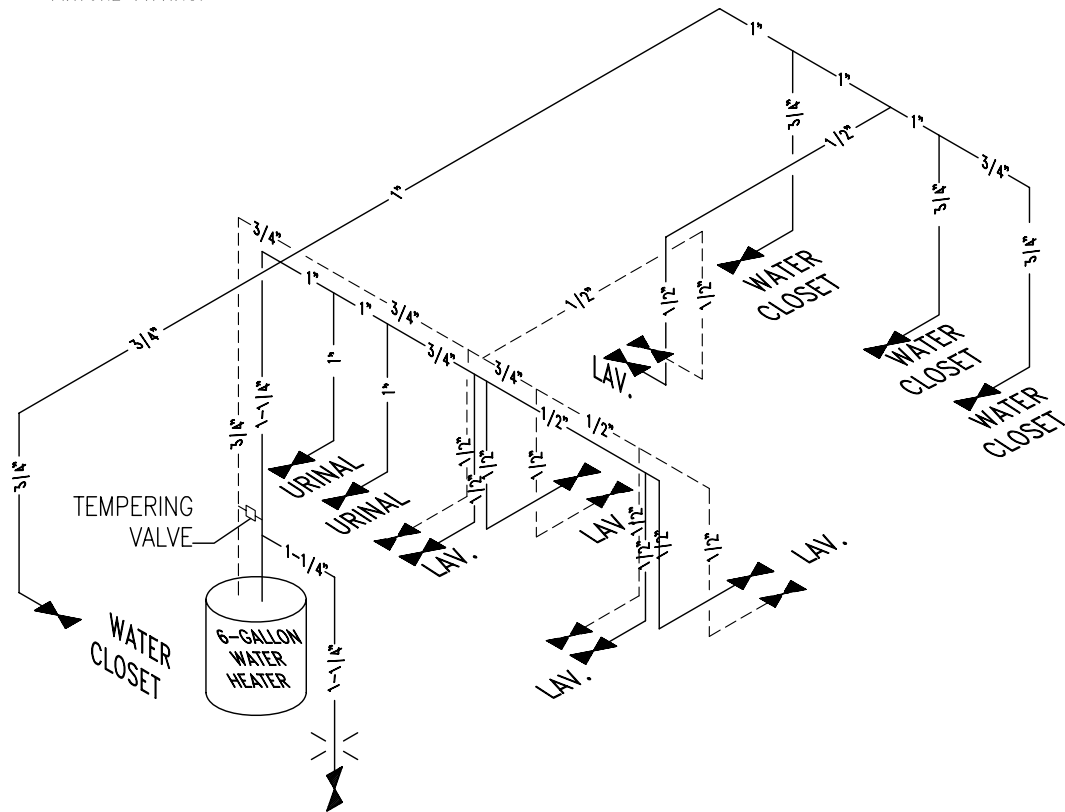
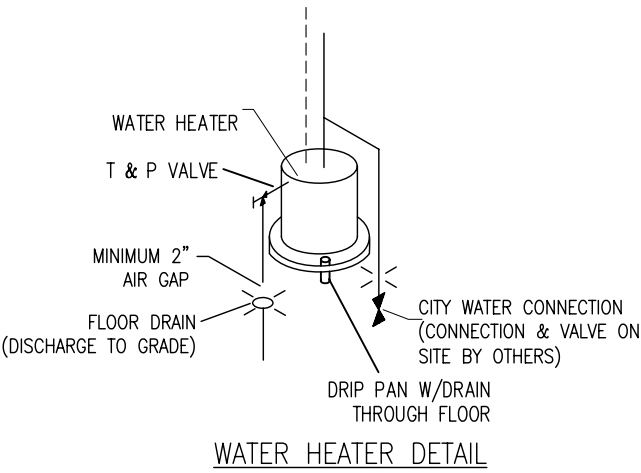
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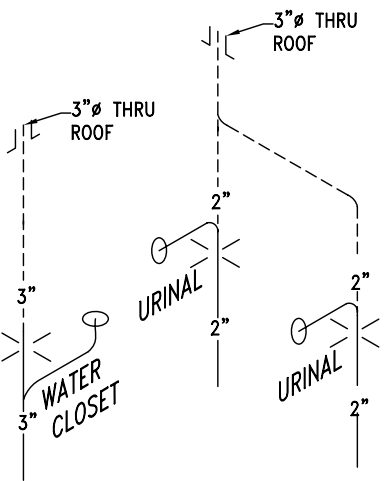
- 1. WATER SUPPLY LINES TO BE CPVC, SUPPORTED 4' O.C. MAX.
- 2. WATER TEMPERATURE FACTORY SET AT A MAXIMUM OF 110°F.
- 3. SHUT OFF VALVES ARE TO BE PROVIDED AT EACH FIXTURE IN ACCORDANCE WITH SCHEMATICS ABOVE.
- 4. WATER HAMMER ARRESTORS PROVIDED, OR IF AIR CHAMBERS, TO BE MINIMUM 15" LONG AND NOT LESS THAN THE DIAMETER OF PIPE SERVED.
- 5. DIELECTRIC UNIONS TO BE USED AT CONNECTIONS OF WATER LINES TO WATER HEATER.
- 6. COLD WATER INLET TO BE PROVIDED WITH A SHUT OFF VALVE ABOVE FLOOR AT THE COLD WATER SUPPLY PER SCHEMATIC.
- 7. FULL SIZED SHUT OFF VALVE TO BE PROVIDED BETWEEN BUILDING AND WATER MAIN/METER BY OTHERS ON SITE.

WASTE NOTES:

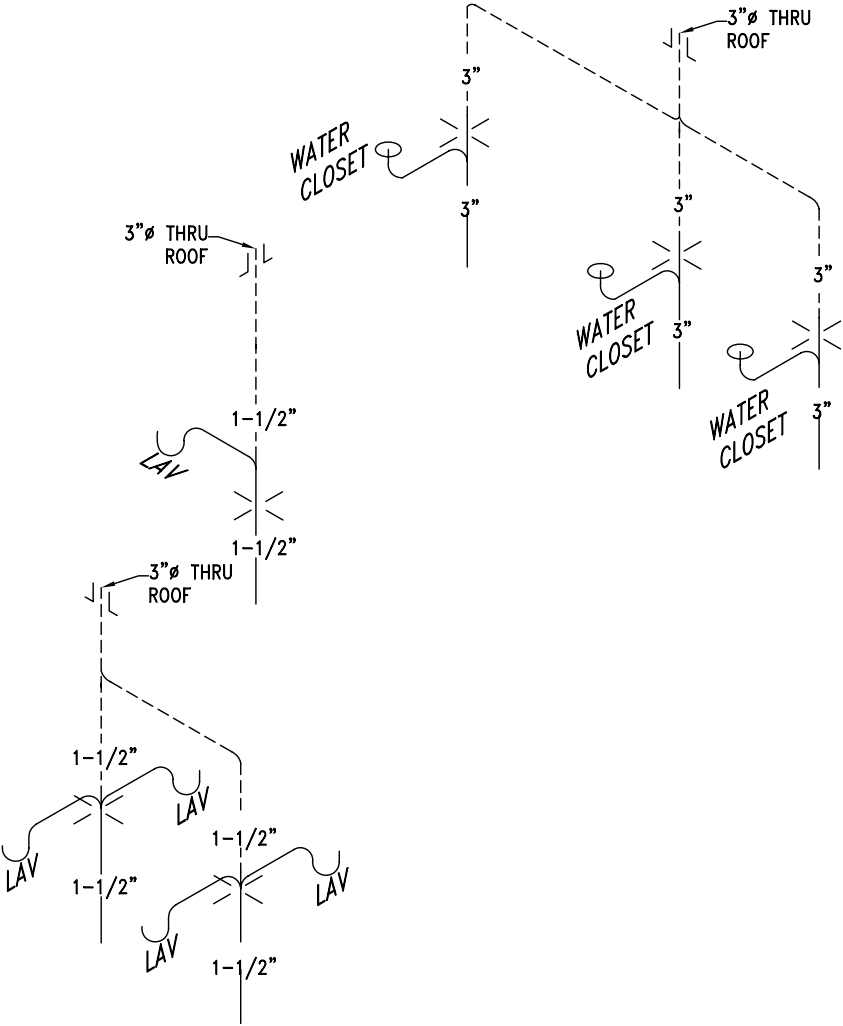
- 1. DMV MATERIAL TO BE CONCEALED SCHEDULE 40 PVC.
- 2. ALL PIPES TO BE SECURED MAXIMUM 4' O.C.
- 3. ALL CLEAN OUTS SHALL BE ACCESSIBLE, PROVIDED AT THE BASE OF ALL WASTE/SOIL STACKS, AND SO THAT ALL HORIZONTAL PIPING MAY BE REACHED WITHOUT PASSING THROUGH MORE THAN 45° OF TURNS.
- 4. 1/4" PER. FT SLOPE PROVIDED ON ALL HORIZONTAL BRANCHES.
- 5. VENT PIPE SHALL END 12" ABOVE FINISHED ROOF AND NOT BE LOCATED WITHIN 10' OF OTHER VENT OPENINGS.
- 6. ALL VERTICAL TO HORIZONTAL OR HORIZONTAL TO HORIZONTAL CHANGES IN DIRECTION SHALL BE THROUGH LONG TURN T.Y. OR COMBINATION WYE FITTINGS WITH 1/8" BEND.
- 7. ALL HORIZONTAL TO VERTICAL CHANGES IN DIRECTION SHALL BE THROUGH SANITARY TEE, OR IF AT THE SAME LEVEL ON THE STACK THEN THROUGH AN APPROVED DOUBLE FIXTURE FITTING.



WATER SUPPLY SCHEMATICS  
MATERIAL: CVPC PIPE & FITTINGS



WASTE SCHEMATICS  
MATERIAL: SCHEDULE 40 PIPE & FITTINGS



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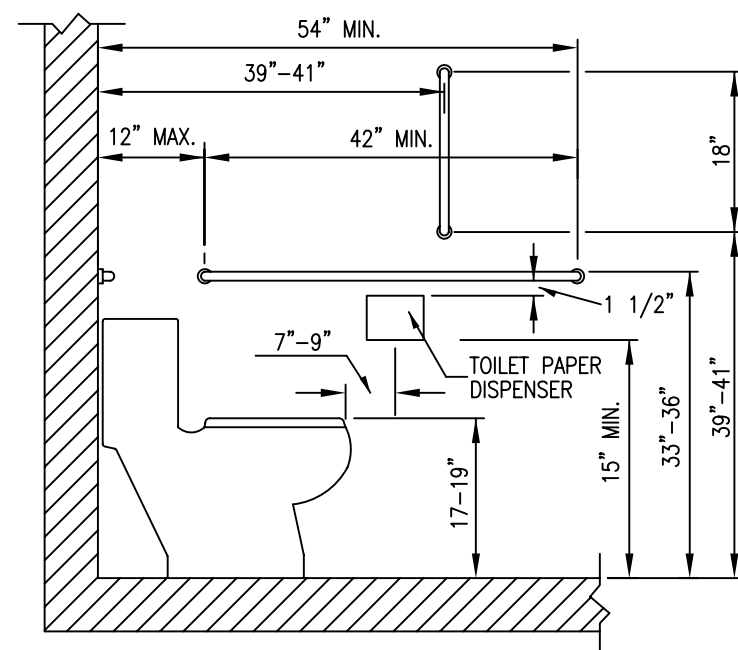
58120 C.R. 3, SOUTH  
ELKHART, IN 46516  
PHONE: (574) 295-1214  
FAX: (574) 295-2232

64 HESS ROAD  
LEOLA, PA 17450  
PHONE: (717) 656-2081  
FAX: (717) 656-4349

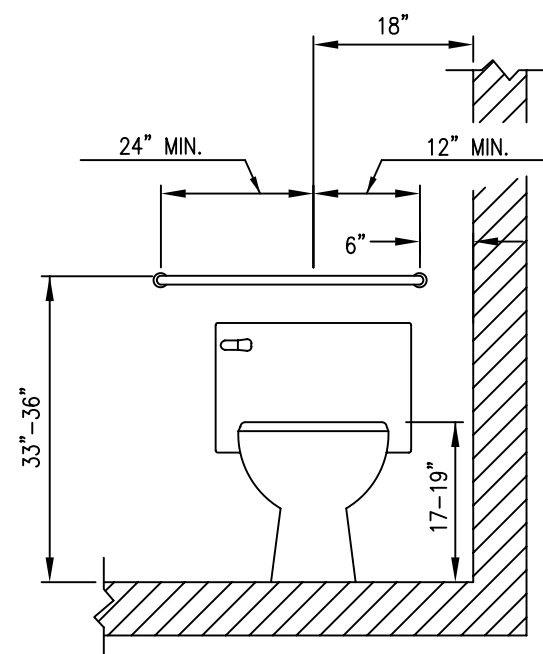
WILLIAMS SCOTSMAN  
TT1234  
TOILET TRAILER

PLUMBING  
SCHEMATICS

DWG. NO.:	P1	DATE					
DESIGNED:							
PRINTED:							
SERIAL NO.:							
SCALE:	N.T.S.	REVISIONS					

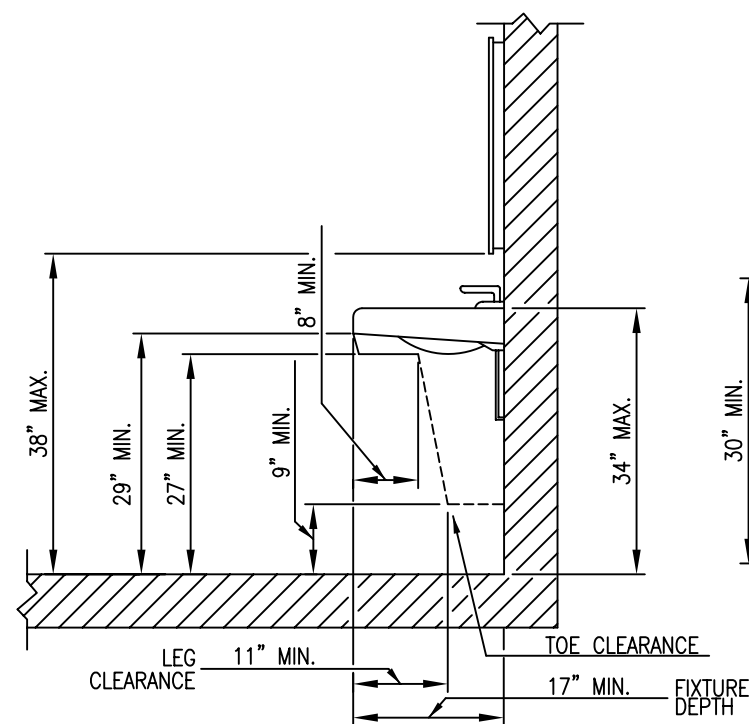


WATER CLOSET  
SIDE VIEW

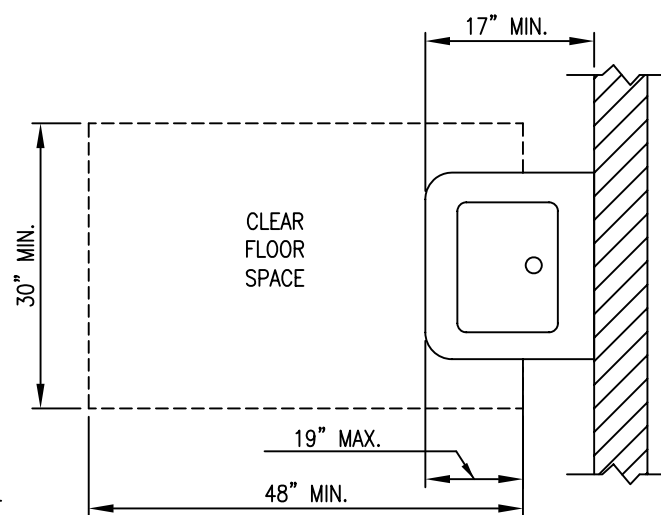


\*WHERE SPACE PERMITS,  
EXTEND GRAB BAR ON TRANSFER SIDE

WATER CLOSET  
FRONT VIEW



NOTE: DASHED LINE INDICATES DIMENSIONAL  
CLEARANCE OF OPTIONAL UNDER FIXTURE ENCLOSURE.



CLEAR SPACE AT  
LAVATORIES AND SINKS

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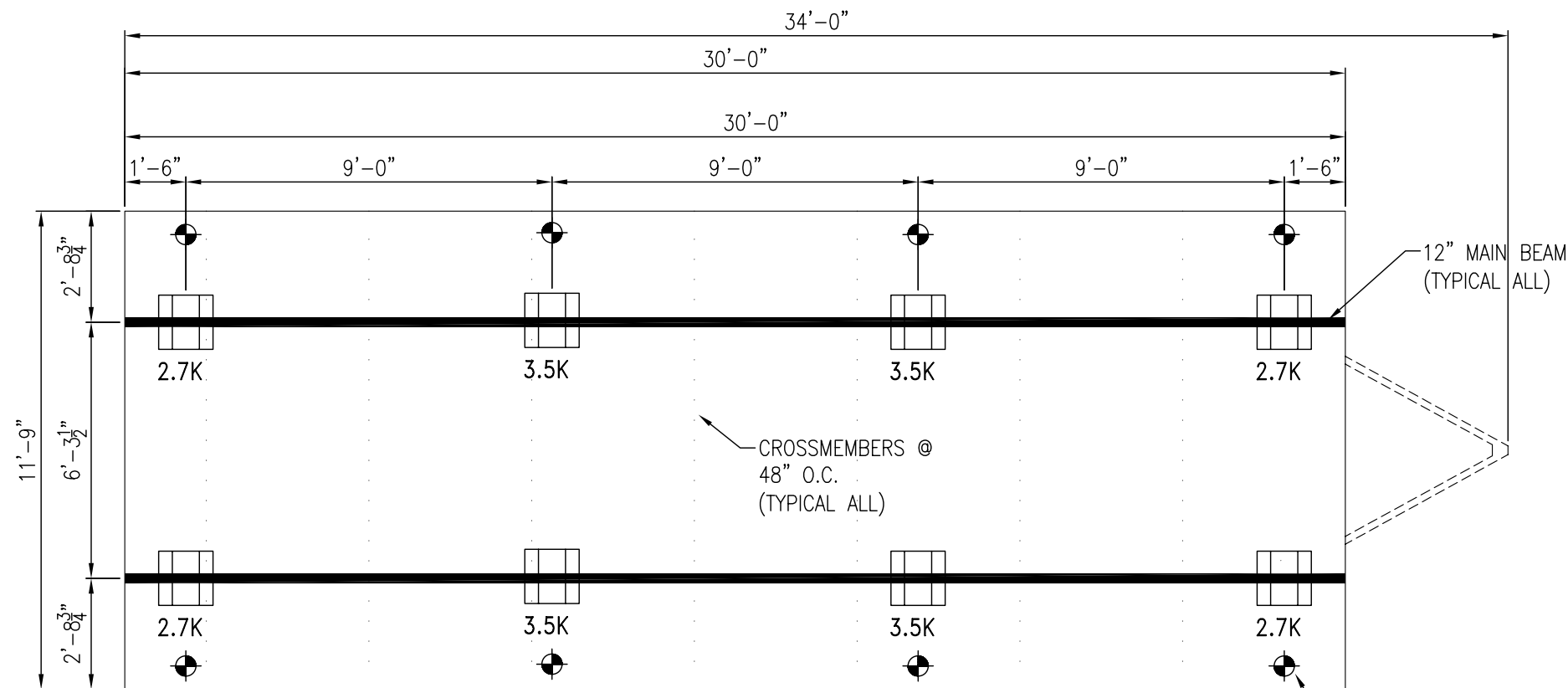
**WILLIAMS SCOTSMAN**  
**TT1234**  
**TOILET TRAILER**

**PLUMBING**  
**DETAILS**

DWG. NO:				
<b>P2</b>	REVISIONS	DATE		
DESIGNED: 7/22/09				
PRINTED: 7/28/09 3:29PM				
SERIAL NO.: 09052454				
SCALE: N.T.S.				

DWG. NO.:					
S1	DATE				
DESIGNED:	REVISIONS				
7/22/09					
PRINTED:					
7/28/09 3:29PM					
SERIAL NO.:					
09052454					
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N.T.S.					

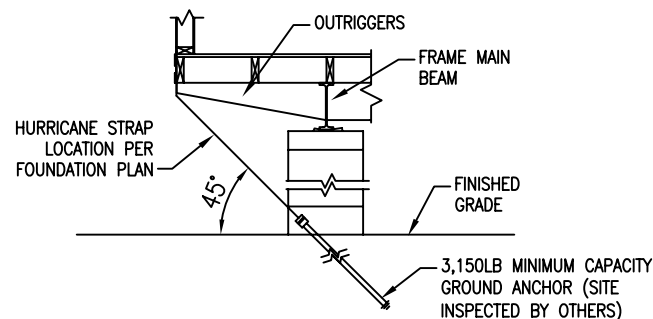




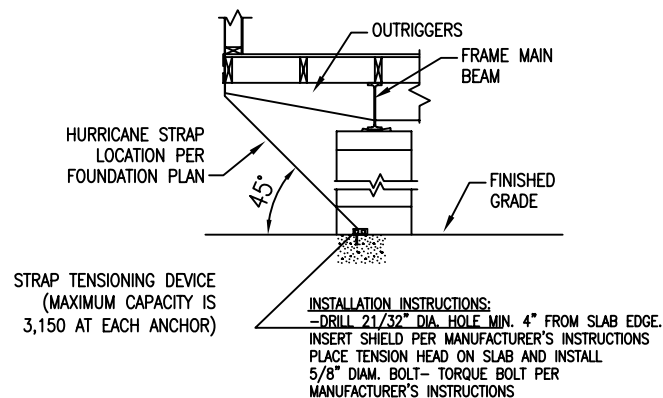
### FOUNDATION NOTES:

1. ALL FOUNDATION CONSTRUCTION, MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES. THE PIER LOCATIONS PROVIDED ON THIS PLAN ARE FOR THE SOLE PURPOSE OF IDENTIFYING THE LOCATION OF THE REQUIRED BLOCKING POINTS FOR THIS BUILDING. FOUNDATION REQUIREMENTS ARE NOT KNOWN DUE TO VARYING SOIL CONDITIONS. FOUNDATION REVIEW AND INSPECTION IS TO BE PERFORMED BY THE LOCAL OFFICIAL HAVING JURISDICTION.
2. MINIMUM CONCRETE FOOTING DEPTH OF BELOW FROST LINE AND PER LOCAL CONDITIONS - 3,000 PSI @ 28 DAYS.
3. SINGLE STACK CONCRETE BLOCK FOR PIERS UP TO 32" IN HEIGHT WITH TYPE M OR S MORTAR. DOUBLE STACK CONCRETE BLOCK FOR PIERS BETWEEN 32" & 72" WITH TYPE M OR S MORTAR.
4. CORNER PIERS OVER 24" HIGH (THREE BLOCKS) SHALL BE DOUBLE BLOCK CONSTRUCTION WITH TYPE M OR S MORTAR.
5. TIE-DOWN STRAPS TO BE 1-1/4" X .035" TYPE-1, FINISH B, GRADE 1 ZINC COATED STEEL STRAPPING CONFORMING WITH ASTM d3953-91. TIE DOWN STRAPS AND CONNECTING HARDWARE SHALL HAVE A MINIMUM WORKING CAPACITY OF 3,150 LBS.
6. GROUND ANCHORS SHALL HAVE A 3,150# MINIMUM WORKING CAPACITY AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
7. THE MINIMUM NET AREA OF VENTILATION OPENINGS SHALL NOT BE LESS THAN 1SQ. FT IN 150 SQ. FT OF CRAWL-SPACE AREA.

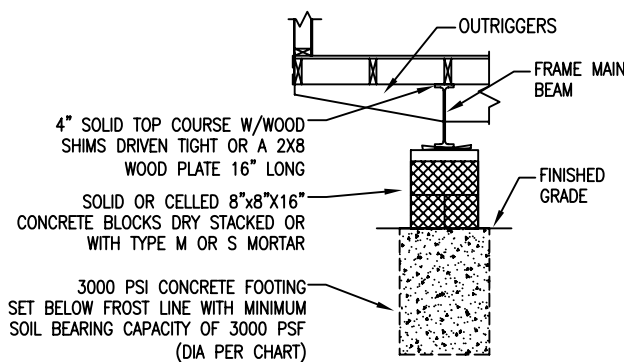
**NOTE:**  
THIS BLOCKING DESIGN BY MOBILE/MODULAR EXPRESS, IS ONLY A SUGGESTED DESIGN. FOUNDATION DETAILS, FOUNDATION SIZES & TIE DOWN LOCATIONS SHALL BE SPECIFIED ACCORDING TO LOCAL JURISDICTION. FINAL DESIGN IS SUGGESTED TO BE APPROVED BY A PROFFESIONAL ENGINEER FAMILAR WITH ALL OF THE SITE CONDITIONS.



**SCREW TYPE ANCHORING DETAIL**  
(AT HURRICANE STRAP LOCATIONS)  
Scale: NTS



**CONCRETE SLAB ANCHORING DETAIL**  
(AT HURRICANE STRAP LOCATIONS)  
Scale: NTS



**TYPICAL OUTRIGGER BLOCKING DETAIL**

ROUND PIER MAXIMUM LOADS (KIPS)					
MINIMUM PIER DIMENSIONS (IN)	ALLOWABLE SOIL BEARING CAPACITY				
	2000PSF	2500PSF	3000PSF	3500PSF	4000PSF
18	3.5	4.4	5.3	6.2	7.1
20	4.4	5.5	6.5	7.6	8.7
22	5.3	6.6	7.9	9.2	10.6
24	6.3	7.9	9.4	11.0	12.6
26	7.4	9.2	11.1	12.9	14.7
28	8.6	10.7	12.8	15.0	17.1
30	9.8	12.3	14.7	17.2	19.6
32	11.1	14.0	16.8	19.5	22.3
34	12.6	15.8	18.9	22.1	25.2
36	14.1	17.7	21.2	24.7	28.3
38	15.7	19.7	23.6	27.5	31.4
40	17.5	21.8	26.2	30.5	34.9
42	19.2	24.0	28.8	33.6	38.4
44	21.1	26.3	31.6	36.9	42.2
46	23.0	28.8	34.6	40.3	46.1
48	25.1	31.4	37.6	43.9	50.2

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