PLUMBING NOTES:

1. WHEN RESTROOM FACILITIES AND/OR PLUMBING FIXTURES REQUIRED BY CODE ARE NOT PROVIDED WITHIN THE BUILDING, IT MUST BE PROVIDED ON SITE AND BE HANDICAPPED ACCESSIBLE, AND ARE SUBJECT TO THE APPROVAL OF THE LOCAL JURISDICTION HAVING AUTHORITY (THIS NOTE SHALL BE INDICATED ON THE DATA PLATE).
2. THIS UNIT MUST BE CONNECTED TO A PUBLIC WATER SUPPLY AND SEWER SYSTEM IF THESE ARE AVAILABLE.
3. ALL PLUMBING FIXTURES SHALL HAVE SEPARATE SHUTOFF VALVES.
4. WATER HEATER SHALL HAVE SAFETY PAN WITH 1 INCH DRAIN TO EXTERIOR, T & P RELIEF VALVE WITH DRAIN TO EXTERIOR, AND A SHUT OFF VALVE WITHIN 3 FEET ON A COLD WATER SUPPLY LINE.
5. DWV SYSTEM SHALL BE EITHER ABS OR PVC – DWV.
6. WATER SUPPLY LINES SHALL BE CPVC, OR COPPER; AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS LIMITATIONS AND INSTRUCTIONS.
7. BUILDING DRAIN AND CLEANOUTS ARE DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION APPROVAL.
8. MAXIMUN WATER USAGE FOR PLUMBING FIXTURES AND FAUCETS SHALL COMPLY WITH TABLE 409.
9. THERMAL EXPANSION DEVICE, IF REQUIRED BY WATER HEATER INSTALLED, AND IF NOT SHOWN ON PLUMBING PLAN, IS DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL APPROVAL.
10. THE DISCHARGE FROM THE WATER HEATER RELIEF VALVE SHALL BE PIPED FULL SIZE SEPERATELY TO THE OUTSIDE OF BUILDING OR TO AN INDIRECT WASTE RECEPTOR SO THAT DISCHARGE CANNOT CAUSE PERSONAL INJURY AND DISCHARGE CAN BE READILY OBSERVED.
11. WATER, SOIL AND WASTE PIPES IN UNCONDITION SPACES SHALL BE INSULATED AND PROTECTED FROM FREEZING.
13. CUSTOMER ASSUMES ALL RESPONSIBILTY FOR REQUIRED PLUMBING FACILITIES WHEN NOT SHOWN ON THE PLANS.
14. TEMPERED WATER SHALL BE SUPPLIED THROUGH A WATER TEMP LIMITING DEVICE THAT CONFORMS TO ASSE 1070 AND SHALL LIMIT THE TEMPERED WATER TO A MAX OF 110°F(43°C)
15. TEMPERATURE ACTUATED MIXING VALVES WHICH ARE INSTALLED TO REDUCE WATER TEMPERATURE TO DEFINE LIMITS SHALL COMPLY WITH ASSE 1017
16. THE FIRST 8 FEET OF HOT WATER PIPING FROM THE WATER HEATER SHALL BE INSULATED WITH 0.5 INCH OF MATERIAL HASVING A CONDUCTIVITY NOT EXCEEDING 0.27 BTU PER INCH/h x ft. x F.
17. WATER HEATER SHALL BE PLUMBED WITH HEAT TRAPS ON SUPPLY AND DISCHARGE PIPING CONNECTED TO THE HEATER.
18. THE WATER HEATER SHALL HAVE CONTROLS TO ALLOW A SET POINT OF 90 DEGREES F. THE OUTLET TEMPERATURE OF LAVATORIES SHALL BE LIMITED TO 110 DEGREES F.
19. ALL PLUMBING PIPES, FITTINGS, PASTE AND FIXTURES MUST BE LEAD FREE.

MECHANICAL NOTES:

1. ALL SUPPLY AIR REGISTERS SHALL BE 24 INCHES x 24 INCHES ADJUSTABLE WITH 10 INCHES x 20 INCHES (INSIDE) OVERHEAD FIBERGLASS DUCT, UNLESS OTHERWISE SPECIFIED. DUCTS IN UNCONDITIONED SPACES SHALL HAVE R-4.2 MINIMUM INSULATION.
2. INTERIOR DOORS SHALL BE UNDERCUT 1.5 INCHES ABOVE FINISHED FLOOR FOR AIR RETURN AND/OR AS NOTED ON FLOOR PLAN. (UNRATED DOOR ONLY)
3. HVAC EQUIPMENT SHALL BE EQUIPPED W/OUTSIDE FRESH AIR INTAKES PROVIDING 5 CFM PER OCCUPANT & 0.06 CFM PER S.F. OF BLDG. AREA PER SECTION 403.3 OF IMC.
4. PERMISSIBLE GAS TYPE FOR APPLIANCES: NONE (ALL ELECTRICAL)
5. EXHAUST FANS SHALL PROVIDE A MINIMUM OF 50 CFM FOR EACH WATER CLOSET AND VENTILATE TO EXTERIOR OF BUILDING.
6. PERMISSIBLE GAS TYPE FOR APPLIANCES: NONE (ALL ELECTRICAL)

GENERAL NOTES:

1. ACCESS TO BUILDING FOR PERSONS IN WHEELCHAIRS IS DESIGNED BY AND FIELD BUILT BY OTHERS AND SUBJECT TO LOCAL JURISDICTION APPROVAL. THE PRIMARY ENTRANCE MUST BE ACCESSIBLE.
2. ALL DOORS SHALL BE OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY, TOOL, SPECIAL KNOWLEDGE OR EFFORT. MANUALLY OPERATED FLUSH BOLTS OR SURFACE BOLTS SHALL NOT BE USED.
3. ALL GLAZING WITHIN A 24 INCH ARC OF DOORS, WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR, AND ALL GLAZING IN DOORS SHALL BE SAFETY, TEMPERED OR ACRYLIC PLASTIC SHEET.
4. SEE CROSS SECTION FOR ROOF TO WALL AND WALL TO FLOOR CONNECTIONS.
5. PORTABLE FIRE EXTINGUISHER PER N.F.P.A. – 10 INSTALLED BY OTHERS ON SITE, AND SUBJECT TO LOCAL JURISDICTION.
6. PROVISIONS FOR EXIT DISCHARGE LIGHTING ARE THE RESPONSIBILITY OF THE BUILDING OWNER AND SUBJECT TO LOCAL JURISDICTION APPROVAL WHEN NOT SHOWN ON THE FLOOR PLAN (INCLUDING EMERGENCY LIGHTING, WHEN REQUIRED).
7. STRUCTURAL DETAILS NOT INCLUDED IN THIS PLAN SET ARE TO BE CONSTRUCTED ACCORDING TO THE MANUFACTURERS STATE APPROVED BUILDING SYSTEM MANUAL.
8. IN WIND-BORNE DEBRIS REGIONS, EXTERIOR GLAZING SHALL BE IMPACT RESISTANT OR PROTECTED WITH AN IMPACT RESISTANT COVERING MEETING THE REQUIREMENTS OF AN APPROVED IMPACT RESISTANT STANDARD, OR ASTM E1996. WIND-BORNE DEBRIS REGIONS ARE DESIGNATED IN SECTION 1609 OF THE IBC.
9. WINDOWS AND DOORS MUST BE CERTIFIED FOR COMPLIANCE WITH THE WIND DESIGN PRESSURE FOR COMPONENTS AND CLADDING.

ELECTRICAL NOTES:

1. ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES OF THE NATIONAL ELECTRICAL CODE (NEC).
2. WHEN LIGHT FIXTURES ARE INSTALLED IN CLOSETS THEY SHALL BE SURFACE MOUNTED OR RECESSED. INCANDESCENT FIXTURES SHALL HAVE COMPLETELY ENCLOSED LAMPS. SURFACE MOUNTED INCANDESCENT FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 12 INCHES AND ALL OTHER FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 6 INCHES FROM "STORAGE AREA" AS DEFINED BY NEC 410-8(a).
3. WHEN WATER HEATERS ARE INSTALLED THEY SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS ADJACENT TO THE WATER HEATERS SERVED. THE BRANCH CIRCUIT SWITCH OR CIRCUIT BREAKER SHALL BE PERMITTED TO SERVE AS THE DISCONNECTING MEANS ONLY WHERE THE SWITCH OR CIRCUIT BREAKER IS WITHIN SIGHT FROM THE WATER HEATER OR IS CAPABLE OF BEING LOCKED IN THE OPEN POSITION.
4. HVAC EQUIPMENT SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS ADJACENT TO THE EQUIPMENT SERVED. A UNIT SWITCH WITH A MARKED "OFF" POSITION THAT IS A PART OF THE HVAC EQUIPMENT AND DISCONNECTS ALL UNGROUNDED CONDUCTORS SHALL BE PERMITTED AS THE DISCONNECTING MEANS WHERE OTHER DISCONNECTING MEANS ARE ALSO PROVIDED BY A READILY ACCESSIBLE CIRCUIT BREAKER.
5. PRIOR TO ENERGIZING THE ELECTRICAL SYSTEM THE INTERRUPTING RATING OF THE MAIN BREAKER MUST BE DESIGNED AND VERIFIED AS BEING IN COMPLIANCE WITH SECTION 110-9 OF THE NEC BY LOCAL ELECTRICAL CONSULTANT.
6. THE MAIN ELECTRICAL PANEL AND FEEDERS ARE DESIGNED BY OTHERS, SITE INSTALLED AND SUBJECT TO LOCAL JURISDICTION APPROVAL.
7. ALL CIRCUITS CROSSING OVER MODULE MATING LINE(S) SHALL BE SITE CONNECTED WITH APPROVED ACCESSIBLE JUNCTION BOXES, OR CABLE CONNECTORS.
8. ALL RECEPTACLES INSTALLED IN WET LOCATIONS (EXTERIOR) SHALL BE IN WEATHER PROOF (WP) ENCLOSURES. THE INTEGRITY OF WHICH IS NOT AFFECTED WHEN AN ATTACHMENT PLUG CAP IS INSERTED OR REMOVED. THE RECEPT ITSELF SHALL ALSO BE LISTED FOR DAMP AND WET LOCATIONS AS PER 2011 NEC.
9. EXTERIOR LIGHTS NOT INTENDED FOR 24 HOUR USE SHALL BE CONNECTED TO A PHOTOCELL OR TIMER.
10. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS MUST HAVE WIRING FOR RECEPTACLE OUTLETS AND FIXED ELECTRICAL EQUIPMENT SUBJECT TP PERSONAL CONTACT RUN IN A METAL RACEWAY SYSTEM OR IN A CABLE HAVING A METALLIC ARMOR OR SHEATH ASSEMBLY WHICH QUALIFIES AS AN EQUIPMENT GROUNDING CONDUCTOR IN ACCORDANCE W/250.118. IN ADDITION, THOSE BRANCH CIRCUITS MUST CONTAIN AN INSULATED COPPER EQUIPMENT GROUNDING CONDUCTOR.

ACCESSIBILITY NOTES:

1. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN SHALL BE DISPLAYED AT ALL ACCESSIBLE RESTROOM FACILITIES AND AT ACCESSIBLE BUILDING ENTRANCES UNLESS ALL ENTRANCES ARE ACCESSIBLE. INACCESSIBLE ENTRANCES SHALL HAVE DIRECTIONAL SIGNS INDICATING THE ROUTE TO THE NEAREST ACCESSIBLE ENTRANCE.
2. ACCESSIBLE DRINKING FOUNTAINS SHALL HAVE A SPOUT HEIGHT NO HIGHER THAN 36 INCHES ABOVE THE FLOOR AND EDGE OF BASIN NO HIGHER THAN 34 INCHES ABOVE THE FLOOR FOR INDIVIDUALS IN WHEELCHAIRS. ADDITIONALLY, DRINKING WATER PROVISIONS SHALL BE MADE FOR INDIVIDUALS WHO HAVE DIFFICULTY BENDING.
3. WHERE STORAGE FACILITIES SUCH AS CABINETS, SHELVES, CLOSETS AND DRAWERS ARE PROVIDED AT LEAST ONE TYPE PROVIDED SHALL CONTAIN STORAGE SPACE COMPLYING WITH THE FOLLOWING: DOORS ETC. TO SUCH SPACES SHALL BE ACCESSIBLE (I.E. TOUCH LATCHES, U-SHAPED PULLS); SPACES SHALL BE 15 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR FOR FORWARD REACH OR SIDE REACH; CLOTHES RODS OR COAT HOOKS SHALL BE A MAXIMUM OF 48 INCHES ABOVE THE FLOOR (46 INCHES MAXIMUM WHEN DISTANCE FROM WHEEL CHAIR TO ROD EXCEEDS 10 INCHES). SHELVES IN KITCHENS OR TOILET ROOMS SHALL BE 40 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE IN FLOOR.
4. CONTROLS, DISPENSERS, RECEPTACLES AND OTHER OPERABLE EQUIPMENT SHALL BE NO HIGHER THAN 48 INCHES ABOVE THE FLOOR. RECEPTACLES ON WALLS SHALL BE MOUNTED NO LESS THAN 15 INCHES ABOVE THE FLOOR. EXCEPTION; HEIGHT LIMITATIONS DO NOT APPLY WHERE THE USE OF SPECIAL EQUIPMENT DICTATES OTHERWISE OR WHERE ELECTRICAL RECEPTACLES ARE NOT NORMALLY INTENDED FOR USE BY BUILDING OCCUPANTS.
5. WHERE EMERGENCY WARNING SYSTEMS ARE PROVIED, THEY SHALL INCLUDE BOTH AUDIBLE AND VISUAL ALARMS. THE VISUAL ALARMS SHALL BE LOCATED THROUGHOUT, INCLUDING RESTROOM, AND PLACED 80 INCHES ABOVE THE FLOOR OR 6 INCHES BELOW CEILING,WHICHEVER IS LOWER.
6. ALL DOORS SHALL BE OPENABLE BY A SINGLE EFFORT. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM. THE MAXIMUM FORCE REQUIRED FOR PUSHING OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL NOT EXCEED 5 LBS. FOR ALL SLIDING, FOLDING, AND INTERIOR HINGED DOORS.
7. FLOOR SURFACES SHALL BE STABLE, FIRM, AND SLIP-RESISTANT. CHANGES IN LEVEL BETWEEN 0.25 INCH AND 0.5 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2 CHANGES IN LEVEL GREATER THAN 0.5 INCH REQUIRE RAMPS. CARPET PILE THICKNESS SHALL BE 0.5 MAX. GRATINGS IN FLOOR SHALL HAVE SPACES NO GREATER THAN 0.5 INCH WIDE IN ONE DIRECTION. DOORWAY THRESHOLDS SHALL NOT EXCEED 0.5 INCH IN HEIGHT.
8. ACCESSIBLE WATER CLOSETS SHALL BE 17 INCHES TO 19 INCHES, MEASURED FROM THE FLOOR TO THE TOP OF THE SEAT. GRAB BARS SHALL BE 36 INCHES LONG MINIMUM WHEN LOCATED BEHIND WATER CLOSET AND 42 INCHES MINIMUM WHEN LOCATED ALONG SIDE OF WATER CLOSET, AND SHALL BE MOUNTED 33 INCHES TO 36 INCHES ABOVE THE FLOOR.
9. ACCESSIBLE URINALS SHALL BE STALL-TYPE OR WALL HUNG WITH ELONGATED RIMS AT A MAXIMUM OF 17 INCHES ABOVE THE FLOOR.
10. ACCESSIBLE LAVATORIES AND SINKS SHALL BE MOUNTED WITH THE RIM NO HIGHER THAN 34 INCHES ABOVE THE FLOOR (THIS EXCLUDES SINKS IN CABINETRY). KNEE CLEARANCE OF AT LEAST 27 INCHES HIGH MUST BE PROVIDED WITH A MINIMUM DEPTH OF 8 INCHES BENEATH THE FIXTURE, AND 9 INCHES HIGH MINIMUM WITH A MINIMUM DEPTH OF 11 INCHES BENEATH THE FIXTURE. THE KNEE SPACE MUST BE AT LEAST 30 INCHES WIDE.
11. HOT WATER AND DRAIN PIPES UNDER ACCESSIBLE LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. INSULATION OR PROTECTION MATERIALS MAY BE SITE INSTALLED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER ACCESSIBLE LAVATORIES AND SINKS.
12. ACCESSIBLE LAVATORIES AND SINKS SHALL HAVE ACCESSIBLE FAUCETS (I.E. LEVER-OPERATED, PUSH TYPE, ELECTRONICALLY CONTROLLED).
13. MIRRORS LOCATED ABOVE LAVATORIES, SINKS OR COUNTERS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE A MAXIMUM OF 40 INCHES ABOVE THE FLOOR. OTHER MIRRORS IN TOILET ROOMS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 35 INCHES MAXIMUM ABOVE THE FLOOR.
14. GRAB BARS HAVING A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF 1.25 INCHES MINIMUM AND 2.0 INCHES MAXIMUM. THE SPACE BETWEEN THE GRAB BAR AND THE WALL SHALL BE 1.5 INCHES.
15. WATER CLOSET FLUSH CONTROL SHALL BE INSTALLED A MAXIMUM OF 36 INCHES ABOVE THE FLOOR AND SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.
16. DOORS TO ALL ACCESSIBLE SPACES SHALL HAVE ACCESSIBLE HARDWARE (I.E. LEVER – OPERRATED, PUSHTYPE, U-SHAPED) MOUNTED WITH OPERABLE PARTS BETWEEN 34 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR.
17. TOILET STALL DOORS SHALL BE THE SELF-CLOSING TYPE.
18. A TOWEL DISPENSER SHALL BE LOCATED ADJACENT TO ALL ACCESSIBLE LAVTORIES.

WINDOW & DOOR SPECIFICATIONS

1. DBL. PANE WINDOWS ARE REQUIRED FOR ALL CLIMATE ZONES. SEE THE COMCHECK ENERGY CALCULATIONS FOR THE MAXIMUM ALLOWED U-FACTOR AND SHGC.
2. THE MAXIMUM ALLOWABLE AIR LEAKAGE RATE FOR WINDOWS IS 0.3 CFM PER SQUARE FEET OF WINDOW AREA.
3. THE MAXIMUM ALLOWABLE AIR LEAKAGE RATE FOR EXTERIOR DOORS IS 0.5 CFM PER SQUARE FEET OF DOOR AREA.

ATTENTION LOCAL INSPECTIONS DEPARTMENT

SITE INSTALLED ITEMS

THE FOLLOWING ITEMS HAVE NOT BEEN COMPLETED BY THE MANUFACTURER, HAVE NOT BEEN INSPECTED BY EMC AND ARE NOT CERTIFIED BY THE STATE MODULAR LABEL. NOTE THAT THIS LIST DOES NOT NECESSARILY LIMIT THE ITEMS OF WORK AND MATERIAL THAT MAY BE REQUIRED FOR A COMPLETE INSTALLATION. ALL SITE RELATED ITEMS ARE SUBJECT TO LOCAL JURISDICTION APPROVAL. CODE COMPLIANCE MUST BE DETERMINED AT THE LOCAL LEVEL.

1. THE COMPLETE FOUNDATION SUPPORT AND TIE DOWN SYSTEM.
2. RAMPS, STAIRS AND GENERAL ACCESS TO THE BUILDING.
3. PORTABLE FIRE EXTINGUISHER(S).
4. BUILDING DRAINS, CLEANOUTS, DRINKING FOUNTAIN SERVICE SINK AND HOOK-UP TO PLUMBING SYSTEM.
5. ELECTRICAL SERVICE HOOK-UP (INCLUDING FEEDERS) TO THE BUILDING.
6. THE MAIN ELECTRICAL PANEL AND SUB-FEEDERS
7. CONNECTION OF ELECTRICAL CIRCUITS CROSSING OVER MODULE MATELINE(S) – (MULTI-UNITS ONLY).
8. STRUCTURAL AND AESTHETIC INTERCONNECTIONS BETWEEN MODULES (MULTI-UNITS ONLY).
9. EXIT DISCHARGE LIGHTING (INCLUDING EMERGENCY)
10. WINDOW AND DOOR HIGH WIND STORM COVERINGS (PER CODE) SEE GENERAL NOTE 8.
11. ROOF EXHAUST FAN

STRUCTURAL LOAD LIMITATIONS

BUILDING RISK CATEGORY: II

FLOOR LIVE LOAD:
A. 50 PSF, 100 PSF CORRIDOR, 250 PSF X-RAY ROOM
B. 2000 LB. CONCENTRATED LOAD OVER 30 INCH x 30 INCH AREA LOCATED ANYWHERE ON FLOOR

ROOF LIVE LOAD:
A. 20 PSF

SNOW LOAD:
A. Pg = 30 PSF GROUND SNOW LOAD
B. Pf = 23.1 PSF FLAT ROOF SNOW LOAD
C. Ce = 1.0 SNOW EXPOSURE FACTOR
D. Is = 1.0 SNOW IMPORTANCE FACTOR
E. Ct = 1.0 SNOW THERMAL FACTOR

WIND LOAD: ASCE 7-10
A1 Vult= 115 MPH WIND SPEED
A2 Vasd = 90 MPH WIND SPEED
B. Iw = 1.0 WIND IMPORTANCE FACTOR
C. C WIND EXPOSURE CATEGORY
D. GCpi= 0.18 INTERNAL PRESSURE COEFFICIENT
E. Pr: ZONE 1: 17.3 PSF Pw: ZONE 4: 18.7 PSF
ZONE 2: 29.0 PSF ZONE 5: 23.2 PSF
ZONE 3: 43.6 PSF

F. THIS BUILDING IS NOT DESIGNED FOR PLACEMENT ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 15 FEET IN HEIGHT.

SEISMIC LOAD:
A. Ie = 1.0 SEISMIC IMPORTANCE FACTOR
B. D SITE CLASS
C. A13 SEISMIC FORCE RESISTING SYSTEM.
D. C SEISMIC DESIGN CATEGORY
E. EQUIVALENT LATERAL FORCE ANALYSIS PROCEDURE
F. Ss = ≤ .537 MAPPED SPECTRAL RESPONSE COEF.
G. S1 = ≤ .285 MAPPED SPECTRAL RESPONSE COEF.
H. Sds = ≤ .49 SPECTRAL RESPONSE COEFFICIENT
I. Sd1 = ≤ .19 SPECTRAL RESPONSE COEFFICIENT
J. V = 3259 LB DESIGN BASE SHEAR
K. R = 6.5 RESPONSE MODIFICATION COEFFICIENT
L. Cs = 0.08 SEISMIC RESPONSE COEFFICIENT

FLOOD LOAD:
THIS BUILDING IS NOT DESIGNED TO BE LOCATED IN A FLOOD HAZARD AREA.

BUILDING DESIGN PARAMETERS

1.	USE/OCCUPANCY:	BUSINESS
2.	CONSTRUCTION TYPE:	VB
3.	SPRINKLER SYSTEM:	NO
4.	BUILDING AREA:	1400 S.F.
5.	BUILDING HEIGHT:	≤ 15 FEET
6.	NUMBER OF STORIES:	1
7.	NUMBER OF MODULES:	2
8.	OCCUPANT LOAD 14 BASED ON 100 SF/PERSON	
9.	EXTERIOR WALL FIRE RATING:	NOT RATED
10.	THIS BUILDING MUST BE INSTALLED WITH THE FIRE SEPARATION DISTANCES REQUIRED BY IBC TABLE 602 AND SECTION 705.3.	
11.	ENGERGY CODE COMPLIANCE: SEE ATTACHED ENERGY CALCULATIONS.	
12.	MANUFACTURERS DATA PLATE, STATE LABELS AND EMC LABELS ARE TO BE LOCATED ADJACENT TO ELECTRICAL PANEL.	

SMM Sustainable Modular Management

CODE SUMMARY:

STATE	BUILDING	ELECT.	MECHANICAL	PLUMBING	ACCESSIBILTY	ENERGY CODE
NEW JERSEY	2009 IBC W/ N.J. AMEND	2011 NEC W/N.J. AMEND	2009 IMC N.J. AMEND	2009 NSPC N.J. AMEND	NJAC 5:23-7 AND ICC/ANSI A117.1-2003 W/ N.J. AMEND	ASHRAE 90.1 2007 N.J. AMEND

STATE OF NEW JERSEY 15414 REGISTERED ARCHITECT

REV.	REVISION DATE	BY
1	2-5-16	T.L.H.
CHANGE AND CORRECT CFMS AND ADD NEW AIR FLOW TABLE		

RADCO APPROVED
Feb 08, 2016
RESOURCES, APPROVALS & CONTROLS, INC.
EASTERN REGIONAL REGION
5801 BENJAMIN CENTER DRIVE, SUITE 102
TAMPA, FL 33634
(813) 243-0370 - O | (813) 243-1314 - F
www.radcoinc.com
RADCO
THIRD PARTY DESIGN, APPROVAL & INSPECTION AGENCY

FORT DIX VET CLINIC
SSI4646 A/B 24 x 60
BUSINESS

MANUFACTURER:
SPECIALIZED STRUCTURES INC.
2400 SPRINGHEAD CHURCH ROAD
WILLACOOCHEE, GA. 31650
(912) 384-7565

DATE:	11-3-15
DRAWN BY:	S.L.H.
SCALE:	NO SCALE
JOB NO:	SSI4646 R1 A/B
LABLES:	EMC, N.J.
DESTINATION:	FORT DIX
STATE:	N.J.

COVER SHEET

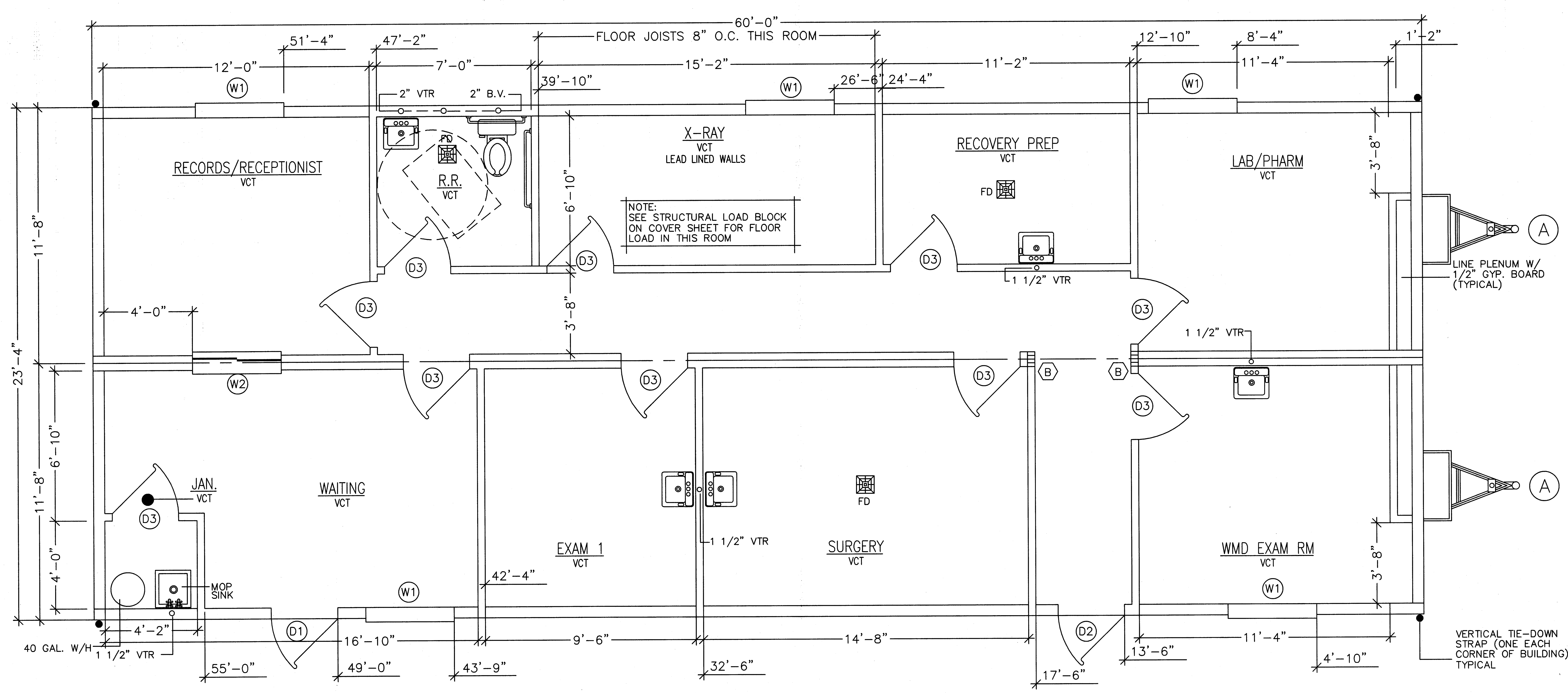
1 OF 7

CONSULTING ENGINEER

ROBERT E. GREGG R.A.
LIC.#15414
1008 WOODRUFF AVENUE
CLEARWATER, FL. 33756
(727) 644-8193

REV.	REVISION DATE	BY
1	2-5-16	T.L.H.

CHANGE AND CORRECT CFMS AND ADD NEW AIR FLOW TABLE



SYM.	DOOR SCHEDULE
D1	36"x 80" STEEL/STEEL W/10"x10" VIEW BLOCK W/SAFETY GLASS, 20 GAUGE DOOR, 18 GAUGE FRAME, LEVER HARDWARE, STANDARD CLOSER
D2	36"x 84" BRONZE/BRONZE, STORE FRONT W/SAFETY GLASS, STANDARD CLOSER
D3	36"x80" SOLID CORE, IMPERIAL OAK, STEEL FRAME, TELL GRADE 2 HARDWARE

SYM.	WINDOW SCHEDULE
W1	48"x28" HORIZONTAL SLIDER, DP50, LOW-E INSULATED, BRONZE ALUMINUM FRAME, BRONZE TINTED GLASS
W2	48"x30" INTERIOR SLIDING, PASS THRU

COLUMN STRAPPING SCHEDULE:

(A) (2) 2x4 SYP #2 THIS HALF.	(B) (2) 2x4 SYP #2 EACH HALF
(C) (3) 2x4 SYP #2 THIS HALF.	(D) (3) 2x4 SYP #2 EACH HALF.
(E) (4) 2x4 SYP #2 THIS HALF.	(F) (4) 2x4 SYP #2 EACH HALF.
(G) (5) 2x4 SYP #2 THIS HALF.	(H) (2) 2x6 SYP #2 EACH HALF.

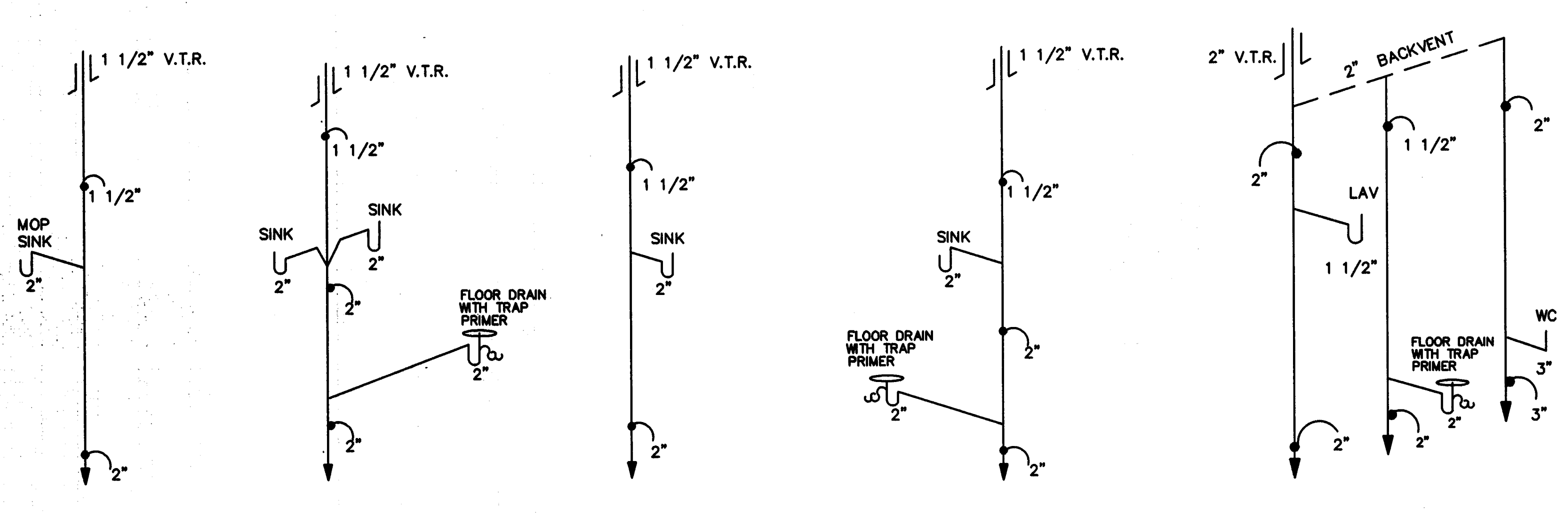
✱ WITH RIDGE BEAM BEARING STIFFENER

NOTES:
1. ALL COLUMN STUDS SHALL BE GLUE/NAILED TOGETHER. PVA GLUE WITH 100% COVERAGE SHALL BE USED.
2. INSTALL TWO STEEL STRAPS AT EACH STUD OF EACH COLUMN.
3. COLUMN STUDS SHALL NOT BE NOTCHED OR BORED.

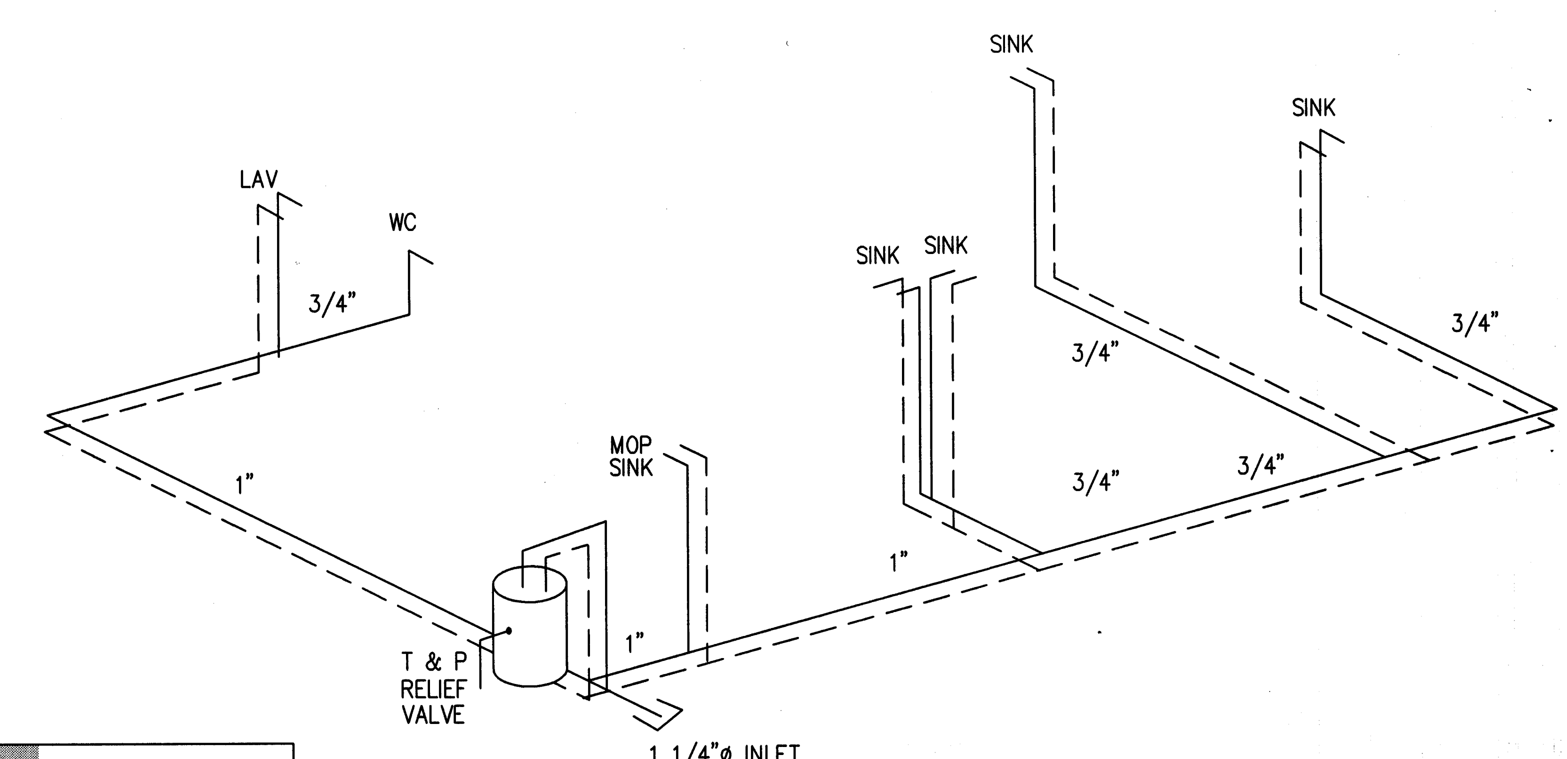
SUPPLY LINE SIZING IS BASED ON AN ASSUMED AVAILABLE PRESSURE OF 46 TO 60 PSI AT MAIN INLET AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.

——— COLD
— — — HOT

ALL SUPPLY LINES SHALL BE 3/4", ALL STUB-UPS SHALL BE 1/2" UNLESS OTHERWISE SPECIFIED.



DWV RISER NTS



SUPPLY RISER -NTS-

RADCO APPROVED
Feb 08, 2016
RESOURCES, APPLICATIONS, DESIGN & CONTROLS, INC.
EASTERN NATIONAL REGION
5801 BENJAMIN CENTER DRIVE, SUITE 102
TAMPA, FL 33634
(813) 243-0370-O | (813) 243-1324-F
www.radcoinc.com
RADCO
THIRD PARTY DESIGN APPROVAL & INSPECTION AGENCY

FORT DIX VET CLINIC
SSI4646 A/B 24 x 60
BUSINESS

MANUFACTURER:
SPECIALIZED STRUCTURES INC.
2400 SPRINGHEAD CHURCH ROAD
WILLACOOCHEE, GA. 31650
(912) 384-7565

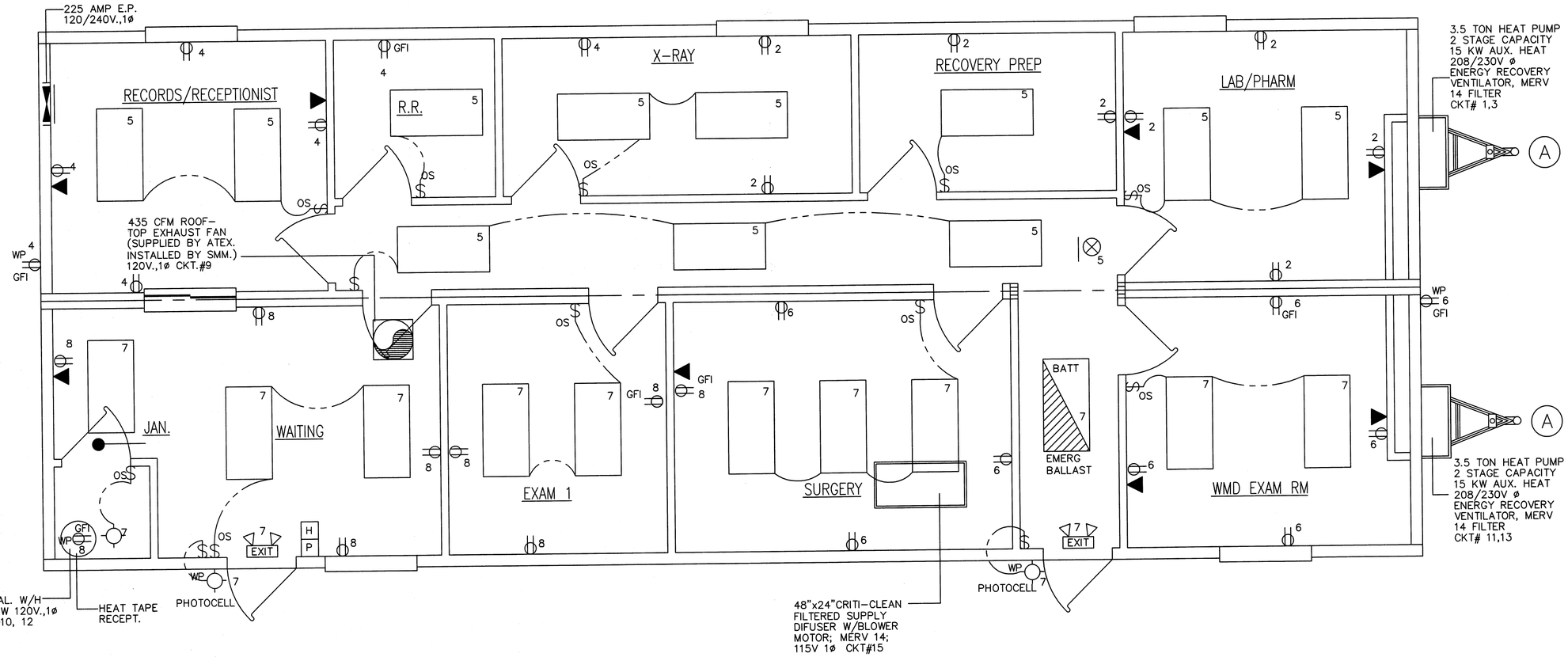
DATE:	11-3-15
DRAWN BY:	S.L.H.
SCALE:	NO SCALE
JOB NO:	SSI4646 R1 A/B
LABLES:	EMC, N.J.
DESTINATION:	FORT DIX
STATE:	N.J.

FLOOR PLAN

CONSULTING ENGINEER

ROBERT E. GREGG R.A.
LIC.#15414
1008 WOODRUFF AVENUE
CLEARWATER, FL. 33756
(727) 644-8193

SMM Sustainable Modular Management



SYMBOLS

J-BOXES ONLY

- FIRE ALARM PULL STATION
- FIRE ALARM HORN/STROBE
- FIRE ALARM STROBE LIGHT
- JUNCTION BOX (NON POWERED UNLESS CIRCUIT NO. IS SHOWN)
- SMOKE DETECTOR
- DUPLEX RECEPTACLE 120 V.
- SINGLE RECEPTACLE 240 V.
- INCANDESCENT LIGHT WITH 1- 60 W. BULB
- COMPACT FLOURESENT LIGHT 1-60 W. BULB
- HIGH PRESSURE SODIUM LIGHT
- METAL HALIDE WALL PACK
- VENT FAN
- COMB. VENT FAN & LIGHT
- SUPPLY AIR REGISTER
- RETURN AIR REGISTER
- FLOOD LIGHT 2-150W BULBS
- THERMOSTAT
- 24x24 LED FIXTURE
- EXIT/EMERGENCY COMBO W/BATTERY BACKUP
- EXIT/EMERGENCY COMBO W/REMOTE HEAD W/BATTERY BACKUP
- EXIT/EMERGENCY COMBO W/BATTERY BACKUP
- EXIT SIGN W/BATTERY BACKUP
- EMERGENCY LIGHT WITH BATTERY BACKUP
- TELEPHONE JACK
- SWITCH & 3 WAY SWITCH
- OCCUPANCY SENSOR SWITCH
- FIRE EXTINGUISHER
- EMERGENCY LIGHT W/BATTERY BACK-UP

ELECTRICAL SCHEDULE 'H'

CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1, 3	HVAC	90 A (2P) HACR	4-2 #10 GRND.
11, 13	HVAC	90 A (2P) HACR	4-2 #10 GRND.
15	MERV DIFUSER W/BLOWER	20A(1P)	12-2 MC
9	435 CFM ROOF TOP EXHAUST FAN	20A(1P)	12-2 MC
10, 12	WATER HEATER	30A(2P)	10-2 MC
2, 4, 6, 8	RECEPTACLES	20 A	12-2 MC
5, 7	LIGHTING	20 A	12-2 MC

ELECTRICAL PANEL SIZING:

DESCRIPTION	PANEL 'H'	KVA
GENERAL LIGHTING		
.0035 KW/SF X 1400 SF X 1.25=		6.2
32 RECEPTS AT 180VA/1000=		5.8
WATER HEATER 4.5 KW =		4.5
(2) HVAC		31.0
MERV BLOWER 1.9KW x 1.25 =		2.4
EXHAUST FAN 1.9KW x 1.25 =		2.4

TOTAL 52.3 KW
TOTAL/240 X 1000= 218 AMPS
INSTALL 225 AMP PANEL
120/240 V 1ø

SMM Sustainable Modular Management

REV.	REVISION DATE	BY
1	2-5-16	T.L.H.
CHANGE AND CORRECT CFMS AND ADD NEW AIR FLOW TABLE		

RADCO APPROVED
Feb 08, 2016
RESOURCES, APPLICATIONS, DESIGN & CONTROLS, INC.
EASTERN NATIONAL REGION
5801 BENJAMIN CENTER DRIVE, SUITE 102
TAMPA, FL 33634
(813) 243-0370 - O | (813) 243-1314 - F
www.radcoinc.com
RADCO
YOUR MISSION - OUR MISSION
THIRD PARTY DESIGN, APPROVAL & INSPECTION AGENCY

FORT DIX VET CLINIC
SSI4646 A/B 24 x 60
BUSINESS

MANUFACTURER:
SPECIALIZED STRUCTURES INC.
2400 SPRINGHEAD CHURCH ROAD
WILLACOOCHEE, GA. 31650
(912) 384-7565

DATE:	11-3-15
DRAWN BY:	S.L.H.
SCALE:	NO SCALE
JOB NO:	SSI4646 R1 A/B
LABLES:	EMC, N.J.
DESTINATION:	FORT DIX
STATE:	N.J.

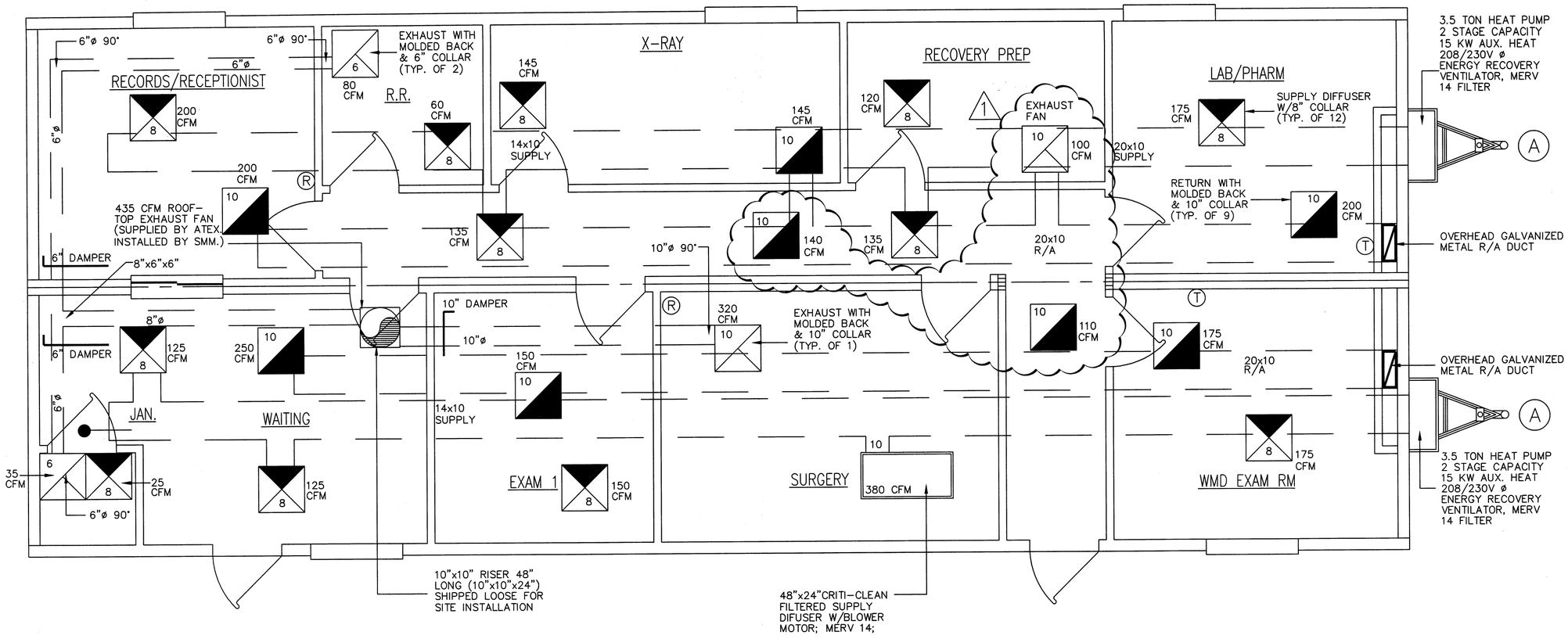
ELECTRICAL

3 OF 7

CONSULTING ENGINEER

ROBERT E. GREGG R.A.
LIC.#15414
1008 WOODRUFF AVENUE
CLEARWATER, FL. 33756
(727) 644-8193

STATE OF NEW JERSEY
ROBERT E. GREGG
15414
REGISTERED ARCHITECT



LEGEND

- 24"x24" RETURN AIR GRILLE W/ BALANCING DAMPER
- 24"x24" SUPPLY AIR GRILLE W/ BALANCING DAMPER
- EXHAUST FAN
- (R) REMOTE SENSOR
- (T) THERMOSTAT/HUMISTAT

NOTES:

ACOUSTICAL CEILING TILE INSTALLED PER MANUFACTURERS SPECIFICATIONS (MOISTURE RESISTANT IN RESTROOMS) BY OTHERS.

FLEX DUCT FOR SUPPLY IS 8" AND FLEX DUCT FOR RETURN IS 10"

SEE ATTACHED HVAC SPECIFICATIONS FOR ALL REQUIRMENTS AND INFORMATION REGUARDING HVAC INSTALLATION AND OPERATING PROCEDURES

ALL SUPPLY AND RETURN AIR GRILLS ARE EQUIPPED WITH BALANCING/VOLUME DAMPERS (BY ATEX)

FLEX, HANGERS, TAPE AND MASTIC SUPPLIED SSI

Airflow Table

Room Name	Module	Room #	Room Code	Room Area (SF)	Ceiling Height (FT)	Volume (CF)	Supply Air (CFM)	Return Air (CFM)	Exhaust Air (CFM)	Room Fresh Air (CFM)	Air Balance Required	Pre-Filter Provided	Final Filter Provided
Lab/Pharm	A	107	VLB01	133	8	1064	175	200		86	-	14	
Recovery Prep	A	106	VRRP1	82	8	656	120	0	100	59	+	14	
X-Ray	A	103	VXER1	112	8	896	145	145		71	0	14	
H.C RR Restroom	A	103A	TLTU1	51	8	408	60	0	80	29	-	14	
Records/Reception	A	102	RECP1	142	8	1136	200	200		98	0	14	
Corridor	A	109	n/a	125	8	1000	270	140		132	0	14	
WMD Exam	B	104	VEX01	133	8	1064	175	175		85	0	14	
Surgery	B	110	VS001	160	8	1280	380	0	320	184	+	14	14*
Exam 1	B	111	VEX01	105	8	840	150	150		73	0	14	
Waiting	B	101	WRC01	167	8	1336	250	250		121	0	14	
Janitor	B	20	JANC1	25	8	200	25	0	35	12	-	14	
Corridor	B	109	n/a	52	8	416	0	110		0	0	14	

* MERV 14 Filter provide with Fan Powered Supply Terminal with Filter; Pre-filters provided in Bard unit upstream of Fresh Air Intake and Evaporator Coil

Air Balance Table

Unit	Supply	Return	Exhaust	Ventil.
A	970	685	180	475
B	980	685	355	475
Building Total	1,950	1,370	535	950
Building Pressurization	+45			

Testing, Adjusting and Balancing Notes:

1. Balance negative rooms (depicted as - or 100% Exhaust on airflow positive rooms with min. 10% positive. Adjust exhaust fan speed accc dampers, as necessary.
2. Balance all other areas per plan with return grilles balanced propo
3. +/- 10% Deviation of Airflow is acceptable, however ACH and Outs on Airflow Table.
4. Supply ,Return and Exhaust shall be provided with Volume Dampe

1

REV.	REVISION DATE	BY
1	2-5-16	T.L.H.
CHANGE AND CORRECT CFMS AND ADD NEW AIR FLOW TABLE		

RADCO APPROVED
Feb 08, 2016
RESOURCES, APPLICATIONS, DESIGN & CONTROLS, INC.
EASTERN NATIONAL REGION
5801 BENJAMIN CENTER DRIVE, SUITE 102
TAMPA, FL 33634
(813) 243-0370 O | (813) 243-1354 - F
www.radcoinc.com
RADCO
THIRD PARTY DESIGN APPROVAL & INSPECTION AGENCY

FORT DIX VET CLINIC
SSI4646 A/B 24 x 60
BUSINESS

MANUFACTURER:
SPECIALIZED STRUCTURES INC.
2400 SPRINGHEAD CHURCH ROAD
WILLACOOCHEE, GA. 31650
(912) 384-7565

DATE:	11-3-15
DRAWN BY:	S.L.H.
SCALE:	NO SCALE
JOB NO:	SSI4646 R1 A/B
LABLES:	EMC, N.J.
DESTINATION:	FORT DIX
STATE:	N.J.

MECHANICAL

4 OF 7

ROBERT E. GREGG R.A.
LIC.#15414
1008 WOODRUFF AVENUE
CLEARWATER, FL 33756
(727) 644-8193

SMM Sustainable Modular Management

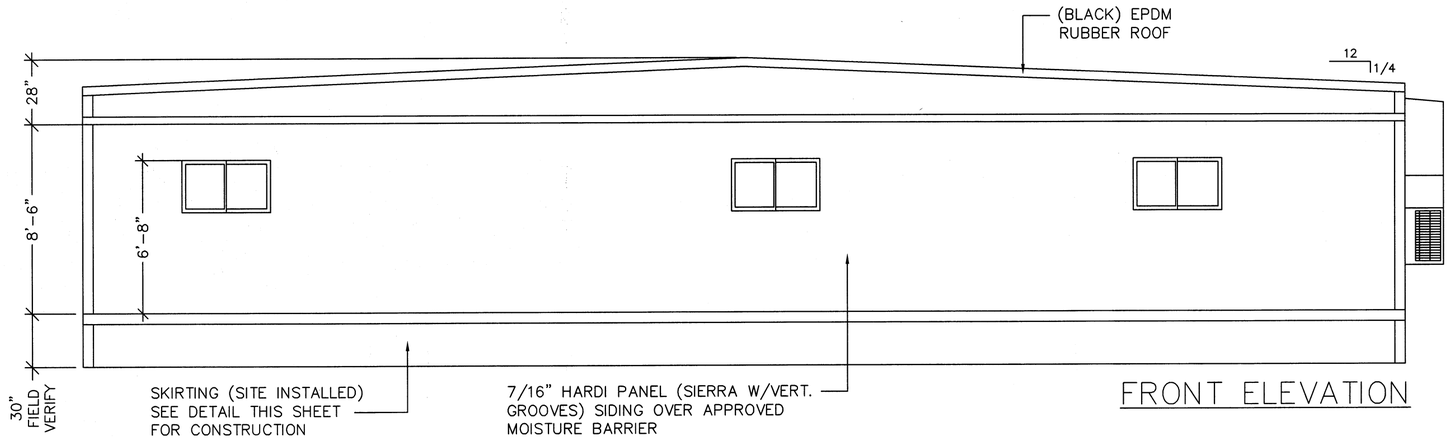
STATE OF NEW JERSEY ROBERT E. GREGG REGISTERED ARCHITECT 15414

ELEVATION NOTES: TYPICAL

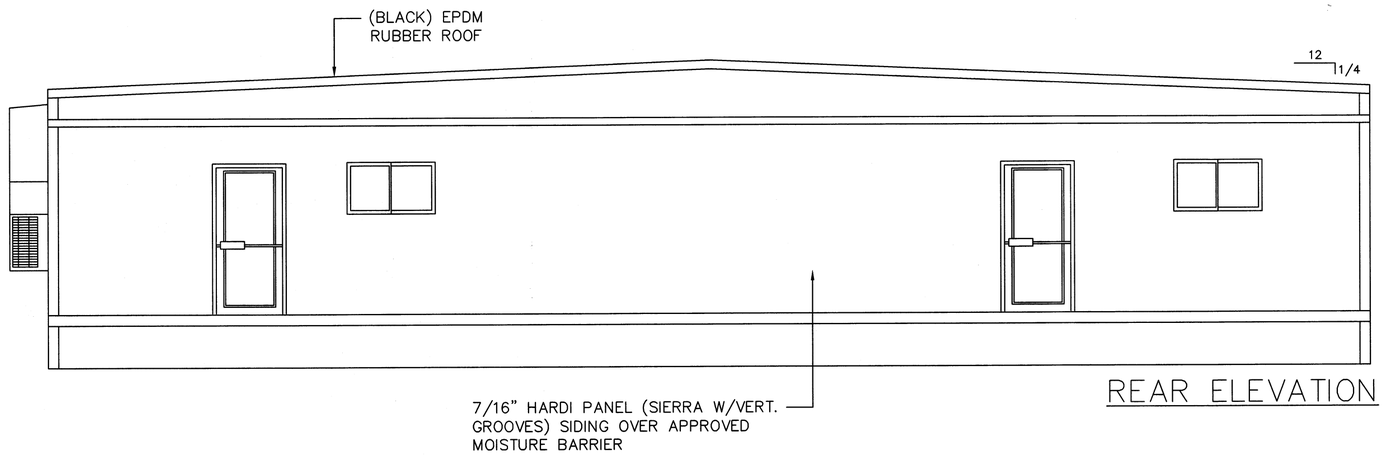
SEE–CROSS SECTION FOR METHOD OF ROOF VENTILATION

ACCESSIBLE RAMP(S), STAIR(S), AND HANDRAILS ARE SITE INSTALLED, DESIGNED BY OTHERS, AND SUBJECT TO LOCAL JURISDICTION.

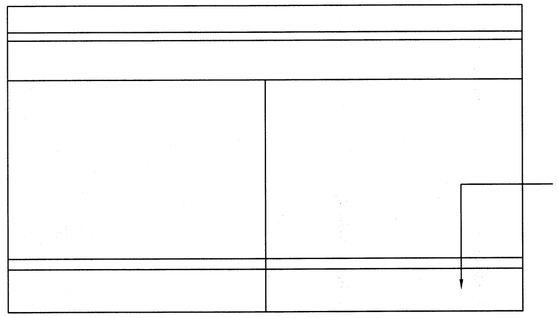
FOUNDATION ENCLOSURE (WHEN PROVIDED) MUST HAVE 1 SQUARE FOOT NET VENT AREA PER 1/150TH OF THE FLOOR AREA, AND AN 18" X 24" MINIMUM CRAWL SPACE ACCESS, SITE INSTALLED BY OTHERS SUBJECT TO LOCAL JURISDICTION.



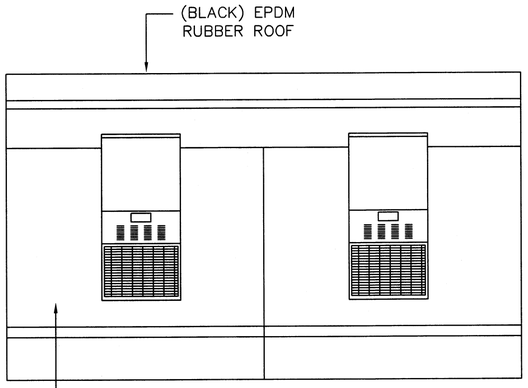
FRONT ELEVATION



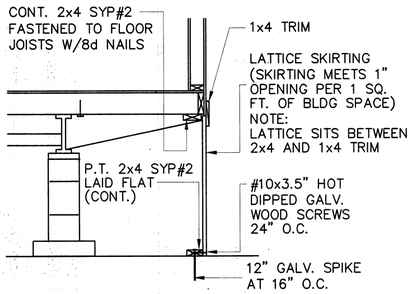
REAR ELEVATION



LEFT ELEVATION



RIGHT ELEVATION



SKIRTING DETAIL

NTS

SMM Sustainable Modular Management

REV.	REVISION DATE	BY
1	2-5-16	T.L.H.
CHANGE AND CORRECT CFMS AND ADD NEW AIR FLOW TABLE		

RADCO APPROVED
Feb 08, 2016
RESOURCES, APPLICATIONS, DESIGN & CONTROLS, INC.
EASTERN NATIONAL REGION
5801 BENJAMIN CENTER DRIVE, SUITE 102
TAMPA, FL 33634
(813) 243-0371 - O | (813) 243-1314 - F
www.radcodc.com
RADCO
THIRD PARTY DESIGN APPROVAL & INSPECTION AGENCY

FORT DIX VET CLINIC
SSI4646 A/B 24 x 60
BUSINESS

MANUFACTURER:
SPECIALIZED STRUCTURES INC.
2400 SPRINGHEAD CHURCH ROAD
WILLACOOCHEE, GA. 31650
(912) 384-7565

DATE:	11-3-15
DRAWN BY:	S.L.H.
SCALE:	NO SCALE
JOB NO:	SSI4646 R1 A/B
LABLES:	EMC, N.J.
DESTINATION:	FORT DIX
STATE:	N.J.

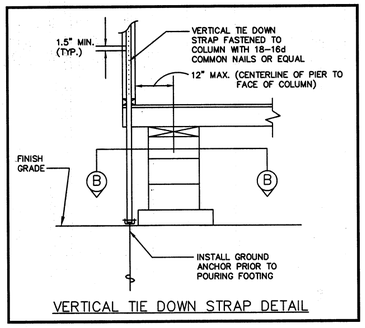
ELEVATIONS

5 OF 7

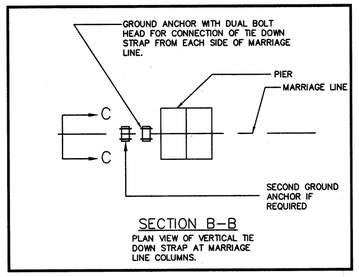
CONSULTING ENGINEER

ROBERT E. GREGG R.A.
LIC.#15414
1008 WOODRUFF AVENUE
CLEARWATER, FL. 33756
(727) 644-8193

STATE OF NEW JERSEY ROBERT E. GREGG 15414 REGISTERED ARCHITECT

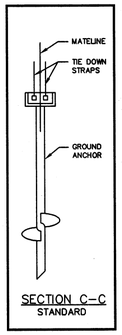


VERTICAL TIE DOWN STRAP DETAIL

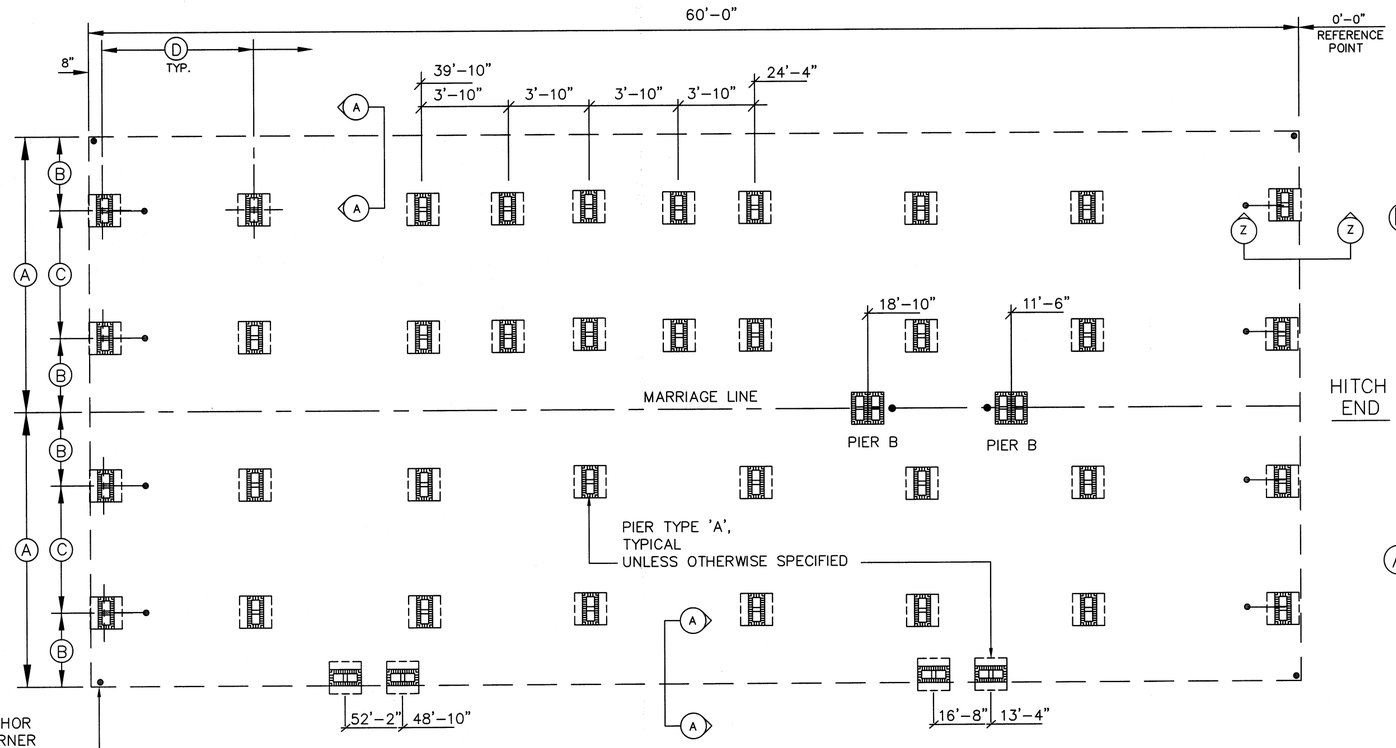


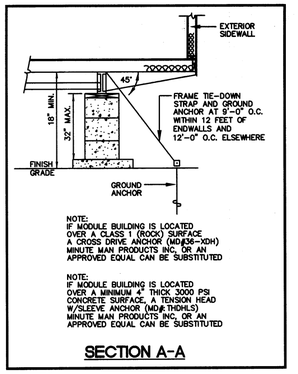
SECTION B-B

PLAN VIEW OF VERTICAL TIE DOWN STRAP AT MARRIAGE LINE COLUMNS.



SECTION C-C
STANDARD

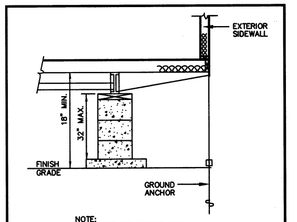




NOTE:
IF MODULE BUILDING IS LOCATED OVER A CLASS 1 (ROCK) SURFACE, A CROSS DRIVE ANCHOR (MD#36-XDH) MINUTE MAN PRODUCTS INC. OR AN APPROVED EQUAL CAN BE SUBSTITUTED

NOTE:
IF MODULE BUILDING IS LOCATED OVER A MINIMUM 4" THICK 3000 PSI CONCRETE SURFACE, A TENSION HEAD W/SLEEVE ANCHOR (MD# THDHLS) MINUTE MAN PRODUCTS INC. OR AN APPROVED EQUAL CAN BE SUBSTITUTED

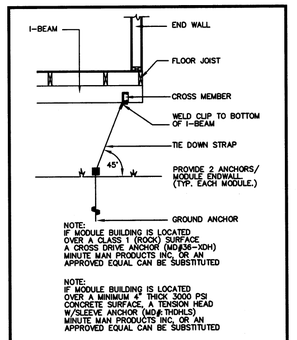
SECTION A-A



NOTE:
IF MODULE BUILDING IS LOCATED OVER A CLASS 1 (ROCK) SURFACE A CROSS DRIVE ANCHOR (MD#36-XDH) MINUTE MAN PRODUCTS INC. OR AN APPROVED EQUAL CAN BE SUBSTITUTED

NOTE:
IF MODULE BUILDING IS LOCATED OVER A MINIMUM 4" THICK 3000 PSI CONCRETE SURFACE, A TENSION HEAD W/SLEEVE ANCHOR (MD# THDHLS) MINUTE MAN PRODUCTS INC. OR AN APPROVED EQUAL CAN BE SUBSTITUTED

SECTION X-X



NOTE:
IF MODULE BUILDING IS LOCATED OVER A CLASS 1 (ROCK) SURFACE A CROSS DRIVE ANCHOR (MD#36-XDH) MINUTE MAN PRODUCTS INC. OR AN APPROVED EQUAL CAN BE SUBSTITUTED

NOTE:
IF MODULE BUILDING IS LOCATED OVER A MINIMUM 4" THICK 3000 PSI CONCRETE SURFACE, A TENSION HEAD W/SLEEVE ANCHOR (MD# THDHLS) MINUTE MAN PRODUCTS INC. OR AN APPROVED EQUAL CAN BE SUBSTITUTED

SECTION Z-Z
ENDWALL TIEDOWN DETAIL

NOTE:
THIS FOUNDATION PLAN IS PROVIDED FOR REFERENCE AS A TYPICAL STANDARD. ACTUAL FOUNDATION CONDITIONS MUST BE EVALUATED FOR APPLICABILITY IF THIS PLAN IS TO BE USED. ALTERNATE FOUNDATION PLANS MAY BE DESIGNED BY OTHERS IN ACCORDANCE WITH THE REQUIREMENTS OF THE JURISDICTION HAVING AUTHORITY.

NOTE:
THE NUMBER OF PIERS SHOWN ON THIS FOUNDATION PLAN IS NO INDICATION OF THE AMOUNT OF PIERS REQUIRED AND NEEDED FOR THIS BUILDING. SEE MAXIMUM PIER SPACING CHART TO THE RIGHT FOR THE CORRECT NUMBER OF PIERS REQUIRED FOR EACH SOIL BEARING CAPACITY.

FOUNDATION DIMENSIONS

A MODULE WIDTH	B PIER TO MODULE EDGE	C STEEL BEAM SPACING
11'-8"	22 1/4"	95 1/2"

D MAXIMUM PIER SPACING	MINIMUM SOIL BEARING CAPACITY
5'-8"	2000 PSF
8'-9"	3000 PSF

FOUNDATION NOTES:

NOTE: ALL REQUIRED BUILDING AND/OR CONSTRUCTION PERMITS MUST BE APPLIED FOR AND OBTAINED FROM THE LOCAL AUTHORITIES HAVING JURISDICTION PRIOR TO ANY WORKED BEING DONE ON THE ABOVE SHOWN FOUNDATION DESIGN.

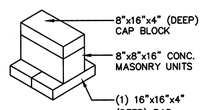
THE ABOVE FOUNDATION DESIGN IS DESIGNED FOR A TEMPORARY BUILDING. APPROVAL OF THIS PLAN SHALL BE SUBJECT TO LOCAL JURISDICTION APPROVAL.

IF THE ABOVE BUILDING DOES NOT MEET THE QUALIFICATIONS OF A "TEMPORARY BUILDING" THEN AN ALTERNATIVE FOUNDATION DESIGN SHALL BE REQUIRED IN ACCORDANCE WITH 2010 FBC.

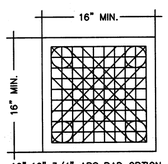
1. ALL FOUNDATION CONSTRUCTION, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES.
2. TIE-DOWN STRAPS TO BE 1-1/4"x .035" TYPE-1, FINISH B, GRADE 1 ZINC COATED STEEL STRAPPING CERTIFIED BY A REGISTERED ENGINEER OR ARCHITECT AS CONFORMING WITH ASTM D3953-91. TIE DOWN STRAPS AND CONNECTING HARDWARE SHALL HAVE 3150# MINIMUM WORKING CAPACITY.
3. EACH CONCRETE ANCHOR SHALL HAVE A WORKING CAPACITY NO LESS THAN THE SUM OF THE REQUIRED WORKING CAPACITIES OF ALL TIE DOWN STRAPS CONNECTED TO THE CONCRETE ANCHOR, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. DESIGN OF CONCRETE ANCHOR, INCLUDING SHAFT LENGTH, NUMBER AND DIAMETER OF HELIXES, ETC., TO BE AS SPECIFIED BY THE CONCRETE ANCHOR MANUFACTURER FOR THE ACTUAL SOIL TYPE ENCOUNTERED. IF THE HOLDING OR PULLOUT CAPACITIES OF CONCRETE ANCHORS ARE BELOW THE ASSUMED DESIGN VALUES, THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR AN ALTERNATE ANCHORAGE DESIGN.
4. THE FIRST TIE-DOWN STRAP FROM ENDWALLS SHALL NOT EXCEED 1/2 THE MAXIMUM SPACING INDICATED.
5. INSTALL BLOCK PIER ON EACH SIDE OF ALL EXTERIOR DOOR OPENINGS. (MANUFACTURER'S RECOMMENDATION ONLY - OPTIONAL WHEN NOT SHOWN) SLIGHT ADJUSTMENT MAY BE REQUIRED TO INSURE OPENABILITY AFTER INSTALLATION OF BUILDING IS COMPLETE.
6. THIS FOUNDATION PLAN IS DESIGNED AND APPROVED PER ASCE 7-2010
7. SEE SHEET 1 OF 7 FOR BUILDING DESIGN LOADS
8. I-BEAM SUPPORT PIERS MAY BE INSTALLED LATERALLY (90° FROM THE ORIENTATION SHOWN ON THE FOUNDATION PLAN). CENTERLINE OF EACH PIER MUST BE LOCATED DIRECTLY BELOW THE I-BEAM CENTERLINE.
9. SOIL BEARING CAPACITY SHOWN ON THIS PLAN IS ASSUMED. IF THE ACTUAL SOIL BEARING CAPACITY IS LESS THAN 2,000 PSF, THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR REQUIRED ALTERNATE FOUNDATION DESIGN. FOOTINGS SHALL BE PLACED ON NON-EXPANSIVE SOILS ONLY.
10. THE OWNER AND CONTRACTOR SHALL HOLD HARMLESS THE ENGINEER/ARCHITECT FROM AND AGAINST ALL LIABILITY CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING LEAGAL FEES ARISING OUT OF OR RESULTING FROM ERRORS OR OMISSIONS IN THE ENGINEERS/ARCHITECTS DRAWINGS AND THE PREFORMANCE OF THE WORK BY THE CONTRACTOR, ALL WORK AND MATERIAL SHALL MEET THE REQUIREMENTS OF ALL LOCAL AND STATE BUILDING CODES SPECIFICATIONS.

MAX PIER LOADS IN POUNDS BASED ON SOIL VALUES

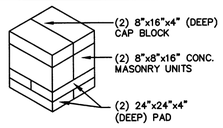
1,000 LB SOIL 1,780	1,500 LB SOIL 2,670	2,000 LB SOIL 3,560	2,500 LB SOIL 4,450	3,000 LB SOIL 5,340	REMARKS MAX 5,340



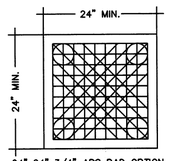
PIER TYPE 'A'



16"x16"x3/4" ABS PAD OPTION IN-LIEU-OF 16"x16"x4" CONCRETE PAD MODEL #SPA 264-1 OR #4148-5 (OR AN APPROVED EQUAL)



PIER TYPE 'B'



24"x24"x3/4" ABS PAD OPTION IN-LIEU-OF 24"x24"x4" CONCRETE PAD MODEL #SPA 264-1 OR #4148-5 (OR AN APPROVED EQUAL)

PERIMETER PIERS ALONG I-BEAMS

SMM Sustainable Modular Management

REV.	REVISION DATE	BY
1	2-5-16	T.L.H.

CHANGE AND CORRECT CFMS AND ADD NEW AIR FLOW TABLE

RESOURCES, APPLICATIONS, DESIGN & CONTROLS, INC.
EASTERN NATIONAL REGION
5801 BENJAMIN CENTER DRIVE, SUITE 102
TAMPA, FL 33634
(813) 243-0370 O (813) 243-1314 F
www.radcoinc.com
RADCO
THIRD PARTY DESIGN APPROVAL & INSPECTION AGENCY

FORT DIX VET CLINIC
SSI4646 A/B 24 x 60
BUSINESS

MANUFACTURER:
SPECIALIZED STRUCTURES INC.
2400 SPRINGHEAD CHURCH ROAD
WILLACOOCHEE, GA. 31650
(912) 384-7565

DATE:	11-3-15
DRAWN BY:	S.L.H.
SCALE:	NO SCALE
JOB NO:	SSI4646 R1 A/B
LABLES:	EMC, N.J.
DESTINATION:	FORT DIX
STATE:	N.J.

FOUNDATION

6 OF 7

CONSULTING ENGINEER

ROBERT E. GREGG R.A.
LIC.#15414
1008 WOODRUFF AVENUE
CLEARWATER, FL. 33756
(727) 644-8193

STATE OF NEW JERSEY
ROBERT E. GREGG
15414
REGISTERED ARCHITECT

INTERIOR FINISH MATERIAL:

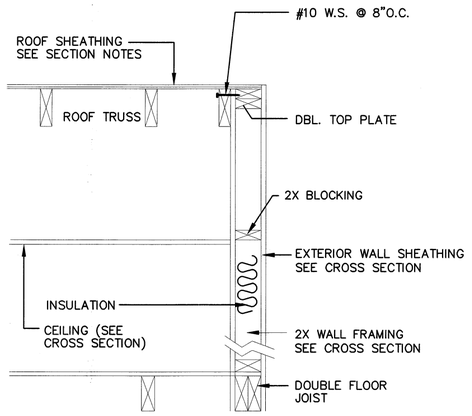
CEILING	–	T–GRID CEILING INSTALLED PER MANUFACTURERS SPECIFICATIONS
WALL	–	1/2" GYP. BOARD (VCG) INSTALLED PER MANUFACTURERS PER MANUFACTURERS SPECIFICATIONS
RESTROOMS	–	FRP OVER (48" AFF) GYP. BOARD INSTALLED PER MANUFACTURERS PER MANUFACTURERS SPECIFICATIONS
X–RAY	–	LEAD LINED INSTALLED PER MANUFACTURERS PER MANUFACTURERS SPECIFICATIONS
FLOOR	–	AS NOTED ON FLOOR PLAN

NOTE:
ALL INTERIOR WALL AND CEILING FINISHES SHALL BE CLASS 'C' OR BETTER.

EXTERIOR FINISH MATERIAL:

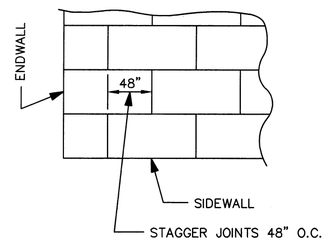
ROOF – MULE–HIDE 45 MIL (BLACK) EPDM FULLY ADHERED IN ACCORDANCE WITH ER–5867 OVER 7/16" MULE–HIDE FR DECK PANEL 'C' INSTALLED PER MANUFACTURERS SPECIFICATIONS.

WALL – 7/16" HARDI PANEL (SIERRA W/VERT. GROOVES) SIDING OVER APPROVED MOISTURE BARRIER INSTALLED PER MANUFACTURERS SPECIFICATIONS



BALLOON END WALL DETAIL

NTS



FR DECK PANEL 'C' TO BE FASTENED TO TRUSSES W/ 8D NAILS @ 6" O.C. ON EDGES AND 12" O.C. IN FIELD

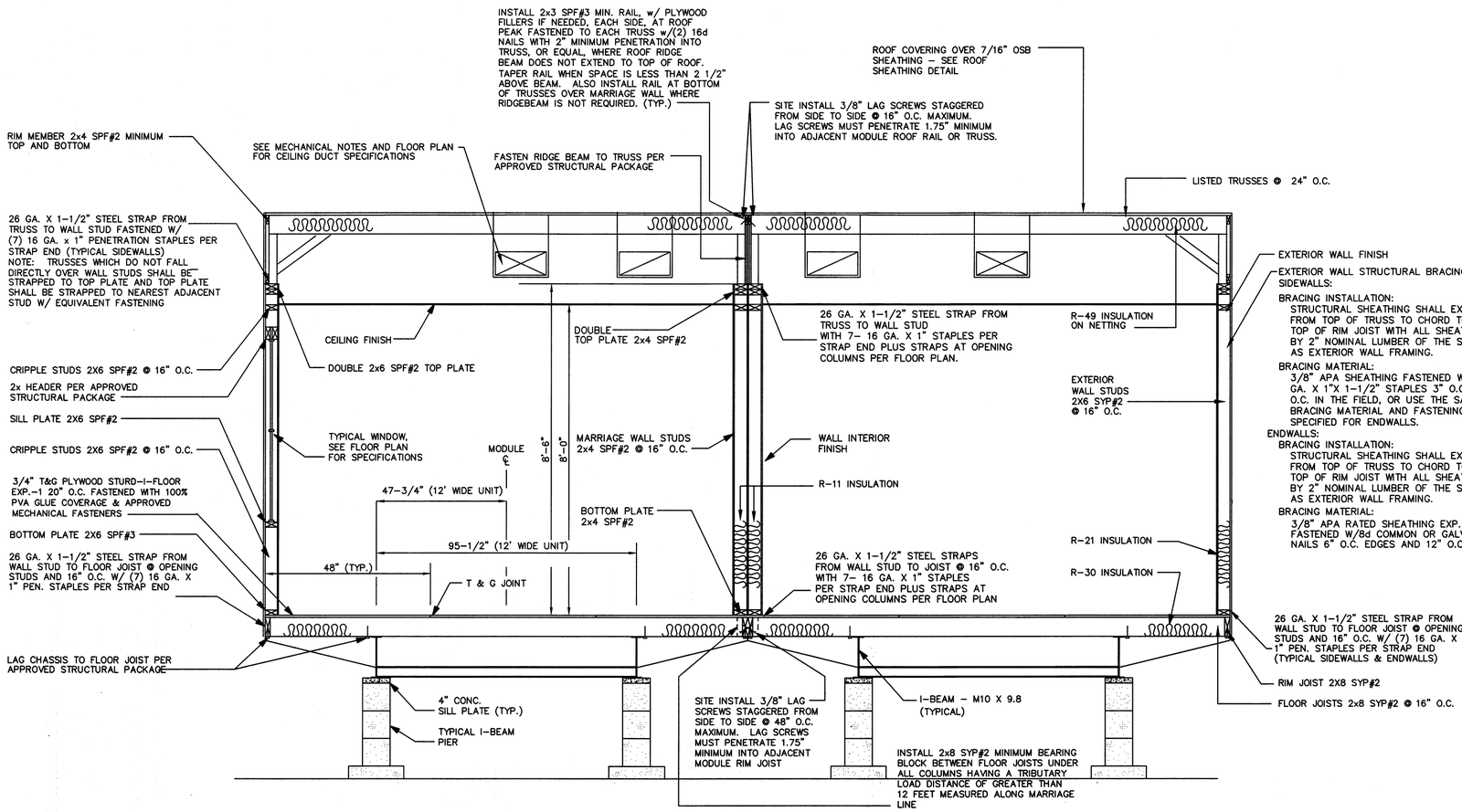
ROOF SHEATHING DETAIL

APPROVED TRUSS DESIGN:

TRUSS MANUF.: UNIVERSAL

TRUSS NO. F138478

SEE ATTACHED DWG.



RIDGE BEAM CONSTRUCTION:

(2) LAYER 3/4" x 24" PLYWOOD EXP.–1, STRUCT.–1, 5 PLY/5 LAYER, 48/24 EACH HALF CONTINUOUS ENTIRE LENGTH OF BUILDING. (AT A/B MATELINE)

NOTES:

1. PLYWOOD FACE GRAIN MUST BE PARALLEL TO THE RIDGE BEAM SPAN.
2. ALL PLYWOOD BUTT JOINTS MUST BE STAGGERED 24" MINIMUM.
3. ALL RIDGE BEAM PLYWOOD LAMINATIONS MUST BE THE SAME DEPTH, THICKNESS, AND GRADE OF PLYWOOD. NO LUMBER OR PLYWOOD FLANGES ARE PERMITTED.
4. PLYWOOD MUST BE MANUFACTURED IN ACCORDANCE W/ PS 1–95.
5. PLYWOOD LAMINATIONS IN EACH HALF OF THE UNITS MUST BE GLUE NAILED TO ADJACENT LAYERS IN ACCORDANCE W/ PDS SUPPLEMENT #5, W/ AN ADHESIVE COMPLYING W/ ASTM D2559, OR CA25–4.
6. PLYWOOD MUST NOT BE TREATED W/ A FIRE RETARDANT PROCESS.
7. MOISTURE CONTENT MUST BE LESS THAN 16%.
8. BEAMS SUPPORTED BY ENDWALL COLUMNS MUST EXTEND CONTINUOUS OVER COLUMNS TO EXTERIOR FACE OF ENDWALL.
9. INSTALL (2X4) X 20" SPF#3 RIDGE BEAM BEARING STIFFENER OVER SUPPORT COLUMNS, WHEN SPECIFIED ON FLOOR PLAN; FASTEN THE FACE OF THE STIFFENER TO THE RIDGE BEAM W/ 100% GLUE COVERAGE AND (6) 16 GA. X 2–1/2" STAPLES.

SMM Sustainable Modular Management

GENERAL CROSS–SECTION NOTES:

1. UNLESS OTHERWISE SPECIFIED, ALL STEEL MUST COMPLY W/ ASTM A36, YIELD STRENGTH = 36 KSI.
2. ALL LAG SCREWS MUST COMPLY W/ ANSI/ ASME B18.2.1. F_{YB}= 60 KSI MINIMUM.
3. SEE FOUNDATION PLAN FOR PIER AND TIE–DOWN STRAPPING LOCATIONS, ORIENTATIONS, AND SPECIFICATIONS.

REV.	REVISION DATE	BY
1	2–5–16	T.L.H.
CHANGE AND CORRECT CFMS AND ADD NEW AIR FLOW TABLE		

RADCO APPROVED
Feb 08, 2016
RESOURCES, APPLIED CODES, DESIGN & CONTROLS, INC.
EASTERN NATIONAL REGION
5803 BENJAMIN CENTER DRIVE, SUITE 102
TAMPA, FL 33634
(813) 243-0370 O | (813) 243-1314 F
www.radcoinc.com
RADCO
THIRD PARTY DESIGN APPROVAL & INSPECTION AGENCY

FORT DIX VET CLINIC
SSI4646 A/B 24 x 60 BUSINESS

MANUFACTURER:
SPECIALIZED STRUCTURES INC.
2400 SPRINGHEAD CHURCH ROAD
WILLACOOCHEE, GA. 31650
(912) 384-7565

DATE:	11–3–15
DRAWN BY:	S.L.H.
SCALE:	NO SCALE
JOB NO:	SSI4646 R1 A/B
LABLES:	EMC, N.J.
DESTINATION:	FORT DIX
STATE:	N.J.

CROSS SECTION

7 OF 7

ROBERT E. GREGG R.A.
LIC.#15414
1008 WOODRUFF AVENUE
CLEARWATER, FL. 33756
(727) 644–8193

STATE OF NEW JERSEY ROBERT E. GREGG 15414 REGISTERED ARCHITECT