GENERAL NOTES:

1. ACCESS TO BUILDING FOR PERSONS IN WHEELCHAIRS IS DESIGNED BY AND FIELD BUILT BY SMM AND SUBJECT TO LOCAL JURISDICTION APPROVAL. THE PRIMARY ENTRANCE AND ALL REQUIRED EXITS 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 CONNECTION REQUIRMENTS.
5. PORTABLE FIRE EXTINGUISHER PER NFPA–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. WHEN LOW SIDES OF ROOF PROVIDE LESS THAN 6" OF OVERHANG, GUTTERS AND DOWN SPOUTS SHALL BE SITE INSTALLED, DESIGNED BY SMM, SUBJECT TO LOCAL JURISDICTION APPROVAL.
8. IN WIND–BORNE DEBRIS REGIONS, EXTERIOR GLAZING SHALL BE IMPACT RESISTANT OR PROTECTED WITH AN IMPACT RESISTANT COVERING MEETING THE REQUIRMENTS 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.
10. STRUCTURAL DETAILS NOT INCLUDED IN THIS PLAN SET ARE TO BE CONSTRUCTED ACCORDING TO THE MANUFACTURERS STATE APPROVED BUILDING SYSTEM MANUAL.

NOTE:

FLOOR SYSTEM DESIGN FOR 15'–8" WIDE MODULES REQUIRES PERIMETER PIERS AT 8 FEET O.C., SEE FOUNDATION PLAN FOR PIER REQUIRMENTS.

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 CIRCUIT WIRING IN EXAM ROOMS AND PATIENT CARE AREAS MUST INCLUDE AN INSULATED COPPER EQUIPMENT GROUNDING CONDUCTOR AND WILL BE RUN IN EMT.

PLUMBING NOTES:

1. TOILETS SHALL BE ELONGATED WITH NONABSORBENT OPEN FRONT SEATS.
2. REST ROOM WALLS SHALL BE COVERED WITH NONABSORBENT MATERIAL TO A MINIMUM HEIGHT OF 48 INCHES A.F.F.
   FLOORS SHALL HAVEA SMOOTH, HARD, NONABSORBENT SURFACE THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 6 INCHES.
3. TEMPERATURE ACTUATED MIXING VALVES WHICH ARE INSTALLED TO REDUCE WATER TEMPERATURE TO DEFINE LIMITS SHALL COMPLY WITH ASSE 1017
4. ALL PLUMBING FIXTURES SHALL HAVE SEPARATE SHUTOFF VALVES.
5. 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.
6. DWV SYSTEM SHALL BE PVC – DWV.
7. WATER SUPPLY LINES SHALL BE CPVC, OR COPPER, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS LIMITATIONS AND INSTRUCTIONS.
8. WATER CLOSETS ARE TANK TYPE AND URINALS ARE FLUSH TANK TYPE UNLESS OTHERWISE SPECIFIED.
9. BUILDING DRAIN AND CLEANOUTS ARE DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION APPROVAL.
10. SHOWERS SHALL BE CONTROLLED BY AN APPROVED MIXING VALVE WITH A MAXIMUM WATER OUTLET TEMPERATURE OF 120°F (48.8°C).
11. 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.
12. 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 AN INSULATION OF R–6.5 MINIMUM.
13. PIPING IN UNCONDITIONED SPACES MUST BE PROTECTED WITH INSULATION HAVING A MINIMUM R FACTOR OF 6.5 IN ACCORDANCE WITH SECTION 305.6.
14. THIS BUILDING SHALL BE CONNECTED TO A PUBLIC WATER SUPPLY AND SEWER SYSTEM IF THESE ARE AVAILABLE.
15. 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)

MECHANICAL NOTES:

1. ALL SUPPLY AIR REGISTERS SHALL BE 10 INCHES x 10 INCHES ADJUSTABLE WITH 10 INCHES x 20 INCHES (INSIDE) OVERHEAD FIBERGLASS DUCT, UNLESS OTHERWISE SPECIFIED. DUCTS IN UNCONDITIONED SPACES SHALL HAVE R–5 MINIMUM INSULATION.
2. INTERIOR DOORS SHALL BE UNDERCUT 1.5 INCHES ABOVE FINISHED FLOOR FOR AIR RETURN AND/OR AS NOTED ON FLOOR PLAN.
3. HVAC EQUIPMENT SHALL BE EQUIPPED W/OUTSIDE FRESH AIR INTAKES PROVIDING 5 CFM PER OCCUPANT AND 0.06 AREA AIRFLOW RATE PER IMC SECTION 403
4. EXHAUST FANS SHALL PROVIDE A MINIMUM OF 70 CFM FOR EACH WATER CLOSET AND URINAL AND VENTILATE TO EXTERIOR OF BUILDING.

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.

STRUCTURAL LOAD LIMITATIONS

BUILDING RISK CATEGORY: II

FLOOR LIVE LOAD:
A. 50 PSF
B. 2000 LB. CONCENTRATED LOAD OVER 30 INCH x 30 INCH AREA LOCATED ANYWHERE ON FLOOR

ROOF LIVE LOAD:
A. 20 PSF

ROOF SNOW LOAD:
A. Pg = 16 PSF GROUND SNOW LOAD
B. Pf = 12.3 PSF FLAT ROOF SNOW LOAD
C. Ce = 1.1 SNOW EXPOSURE FACTOR
D. Is = 1.0 SNOW IMPORTANCE FACTOR
E. Ct = 1.0 SNOW THERMAL FACTOR

WIND LOAD: ASCE 7–10
A. 130 MPH Vult WIND SPEED
B. 100 MPH Vasd
C. Iw = 1.0 WIND IMPORTANCE FACTOR
D. C WIND EXPOSURE CATEGORY
E. GCpi= 0.18 INTERNAL PRESSURE COEFFICIENT
F. Pw: ZONE 4: 24.0 PSF
   ZONE 5: 29.5 PSF
   Pr: ZONE 1: 22.1 PSF
   ZONE 2: 37.0 PSF
   ZONE 3: 55.0 PSF
G. THIS BUILDING IS NOT DESIGNED FOR PLACEMENT ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 15 FEET IN HEIGHT.

SEISMIC LOAD:
A. I_E = 1.0 SEISMIC IMPORTANCE FACTOR
B. D SITE CLASS
C. A13 SEISMIC FORCE RESISTING SYSTEM.
D. D SEISMIC DESIGN CATEGORY
E. EQUIVALENT LATERAL FORCE ANALYSIS PROCEDURE
F. Ss = ≤ .90 MAPPED SPECTRAL RESPONSE COEF.
G. S1 = ≤ .25 MAPPED SPECTRAL RESPONSE COEF.
H. Sds = ≤ .66 SPECTRAL RESPONSE COEFFICIENT
I. Sd1 = ≤ .32 SPECTRAL RESPONSE COEFFICIENT
J. V = 35822 LB DESIGN BASE SHEAR
K. R = 6.5 RESPONSE MODIFICATION COEFFICIENT
L. Cs = 1.0 SEISMIC RESPONSE COEFFICIENT

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

COMPLIANCE WITH LOCAL REQUIREMENTS

RULE 110–2–4–03: ALL INDUSTRIAL BUILDINGS BEARING AN INSIGNIA OF APPROVAL ISSUED BY THE COMMISSIONER PURSUANT TO THESE RULES SHALL BE HELD TO COMPLY WITH THE REQUIREMENTS OF ALL ORDINANCES OR REGULATIONS ENACTED BY ANY LOCAL GOVERNMENT WHICH ARE APPLICABLE TO THE MANUFACTURER AND INSTALLATION OF SUCH BUILDINGS. THE DETERMINATION BY THE COMMISSIONER OF THE SCOPE OF SUCH APPROVAL IS FINAL.

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. IN ADDITION.
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. 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 ACCESIBLE 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.

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 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. FIRE INSPECTION
10. GLAZED OPENING PROTECTION (SEE GENERAL NOTE NO. 8)
11. SPRINKLER SYSTEM
12. LAB SINK

BUILDING DESIGN PARAMETERS

1. USE/OCCUPANCY: BUSINESS
2. CONSTRUCTION TYPE: VB
3. SPRINKLER SYSTEM: YES
4. BUILDING AREA: 15488 S.F.
5. BUILDING HEIGHT: ≤ 15 FEET
6. NUMBER OF STORIES: 1
7. NUMBER OF MODULES: 16
8. OCCUPANT LOAD 155 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.

ALLOWABLE AREA CALCULATION

OCCUPANCY GROUP:	BUSINESS
CONSTRUCTION TYPE:	VB
TABLE 503 AREA:	9,000 S.F.
300% SPRINKLER INCREASE (506.3)	27,000 S.F.
ALLOWABLE AREA:	36,000 S.F.

APPROVED–STATE OF GEORGIA
INDUSTRIALIZED BUILDINGS PROGRAM

DESIGN APPROVAL AGENCY: EMC

CONST. TYPE	VB
OCCUPANCY	B
FLOOR LL (PSF)	50
WIND VELOCITY (MPH)	130
SEISMIC DESIGN CATEGORY	C
EXTERIOR WALL FIRE RATING (HRS)	0
PLAN NUMBER	4376
APPROVAL DATE	

EMC

CODE SUMMARY:

STATE	BUILDING	ELECTRICAL	MECHANICAL	PLUMBING	ACCESSIBILTY	ENERGY CODE
GEORGIA	2012 IBC W/ 2014 GA. AMEND. CHAPTER 120–3–3 2012 LIFE SAFETY CODE.	2011 NEC	2012 IMC W/ 2014 GA. AMEND.	2012 IPC W/ 2014 GA. AMEND.	GA. ACCESS. CODE, CHAPTER 120–3–20 2010 ADASAD	2009 IECC W/2011 2012 GA. AMENDS.

EMC APPROVED 09 18 2014

STATE OF GEORGIA
JOHN A. BODZIAK
09/18/2014
CERTIFICATE NO. RA010759
REGISTERED ARCHITECT

REV.	REVISION DATE	BY
1	8–26–14	T.L.H.

NOTES:

Sustainable Modular Management

FORT GORDON
REPAIR
CONNELLY HEALTH CLINIC
CONTRACT: W912DY–13–D–2018–CK
TASK ORDER NO.: WD18–CK18

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

DATE:	9–5–14
DRAWN BY:	S.L.H.
SCALE:	NO SCALE
JOB NO:	SSI4376 A–P
LABELS:	EMC
DESTINATION:	FORT GORDON
STATE:	GEORGIA

COVER SHEET

132 x 120 BUSINESS

CONSULTING ARCHITECT

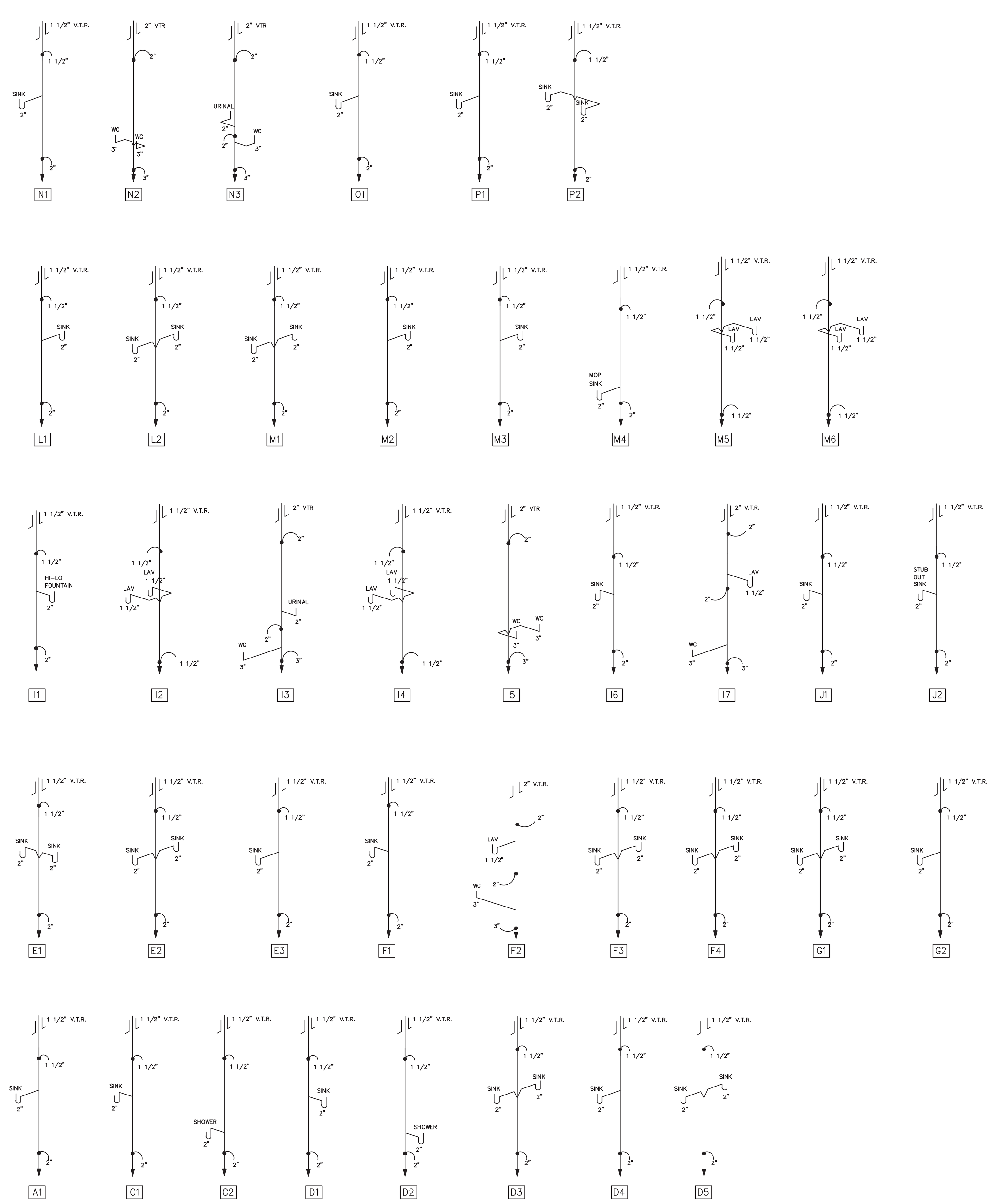
JOHN A. BODZIAK
ARCHITECT, A.I.A. PA.
ARCHITECTURE, DESIGN AND CONSTRUCTION MANAGEMENT
GEORGIA REGISTRATION No. RA010759
EMAIL: jack@jabodziak.com
2325 ULMERTON ROAD
SUITE 21, CLEARWATER, FLORIDA 33762
TEL: (727) 327–1966 FAX: (727) 865–5119

CONSULTING ENGINEER

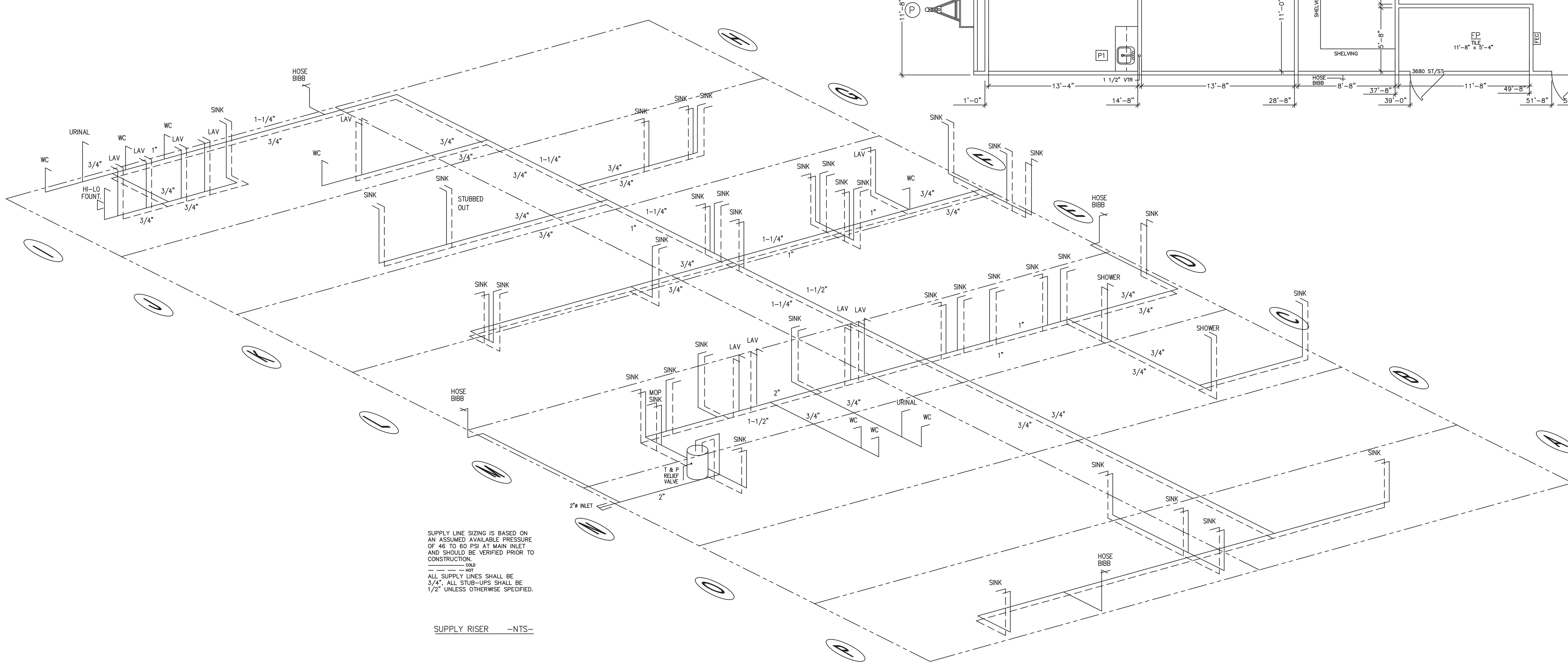
JAMES BRADLEY, P.E.
212 FOX TRAIL
PARKESBURG, PA 19365 (610) 857–2458

September 17, 2014

GEORGIA
REGISTERED
PE8787
PROFESSIONAL
ENGINEER
JAMES E. BRADLEY



DWV RISER NTS



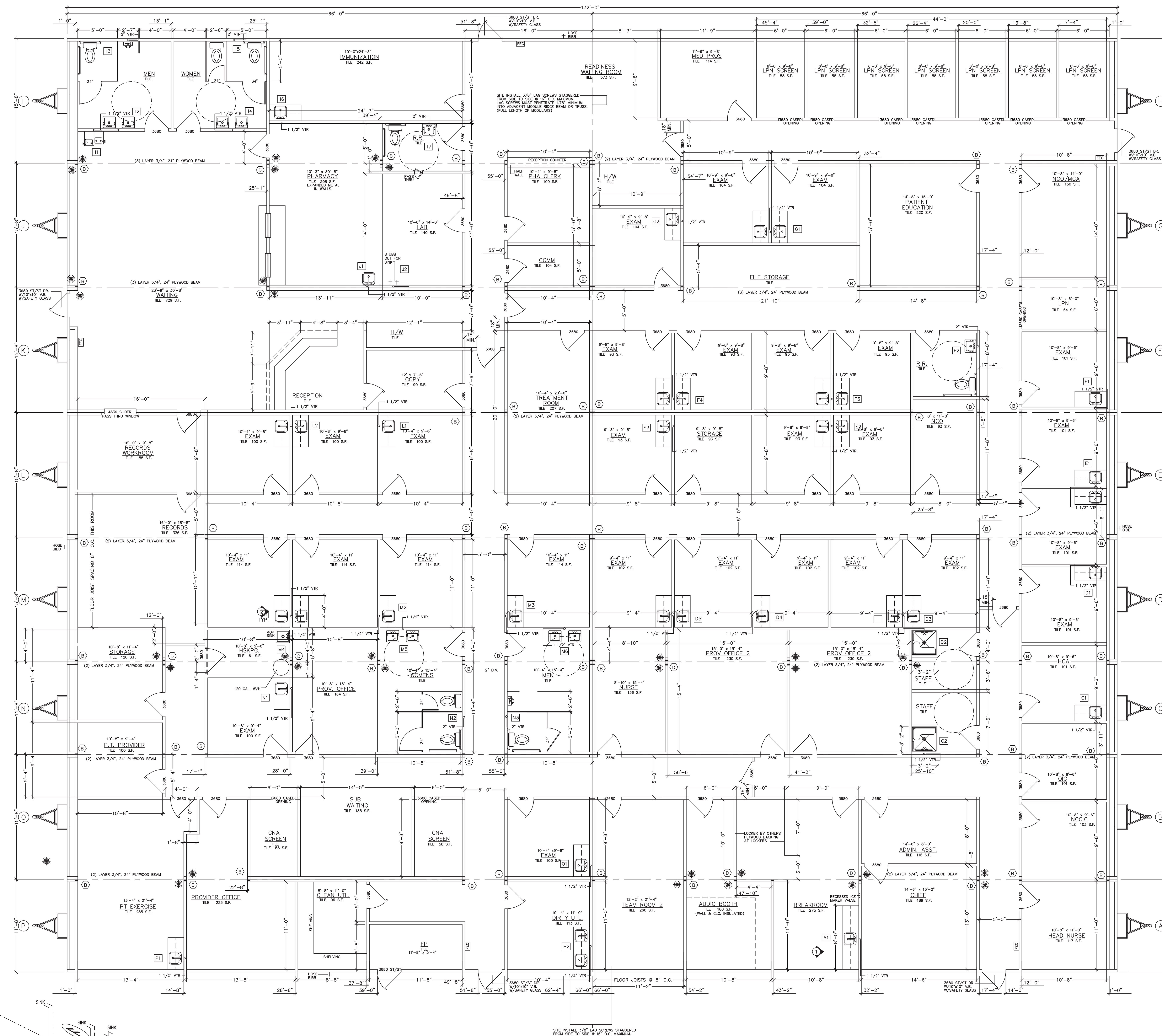
SUPPLY LINE SIZING IS BASED ON AN ASSUMED AVAILABLE PRESSURE OF 46 TO 60 PSI AT MAIN INLET AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.

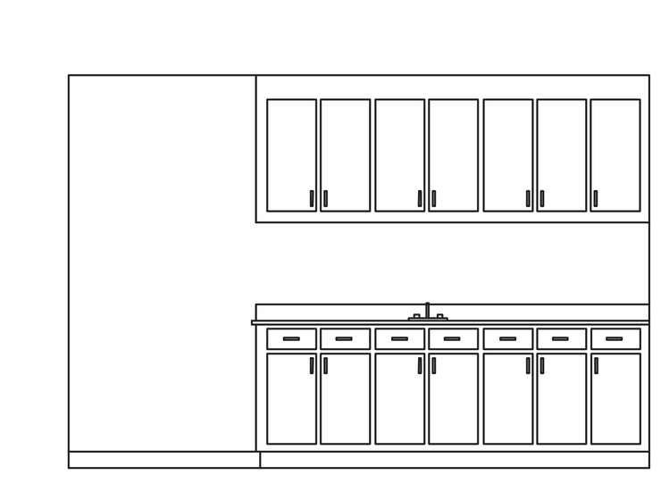
COLD

HOT

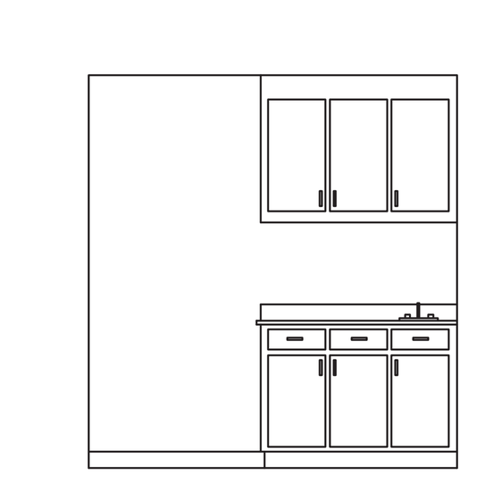
ALL SUPPLY LINES SHALL BE 3/4", ALL STUB-UPS SHALL BE 1/2" UNLESS OTHERWISE SPECIFIED.

SUPPLY RISER -NTS-





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



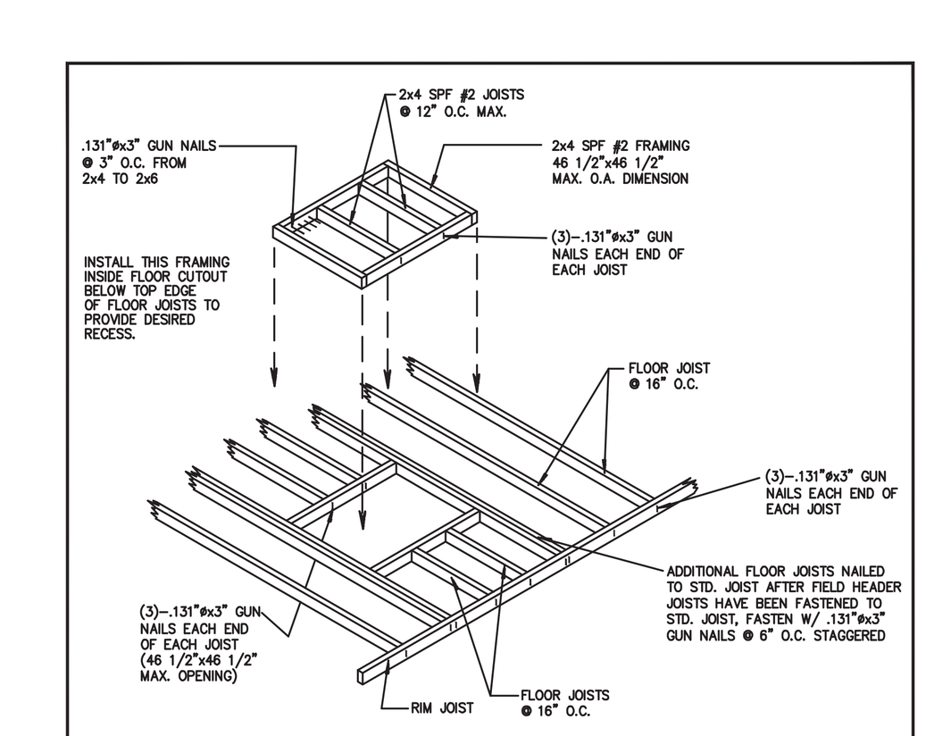
2 INTERIOR ELEVATION SCALE: 1/4"=1'-0"

COLUMN STRAPPING SCHEDULE:

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



ACCESSIBLE SHOWER STALL RECESSED FLOOR AREA DETAIL

EMC APPROVED 09 18 2014

STATE OF GEORGIA JOHN A. BODZIAK 09/18/2014 CERTIFICATE NO. RA010759 REGISTERED ARCHITECT

REV.	REVISION DATE	BY
1	8-26-14	T.L.H.

NOTES:

FORT GORDON
REPAIR
CONNELLY HEALTH CLINIC
CONTRACT: W912DY-13-D-0018-CK
TASK ORDER NO.: WD18-CK18

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

DATE:	9-5-14
DRAWN BY:	S.L.H.
SCALE:	NO SCALE
JOB NO:	SSI4376 A-P
LABELS:	EMC
DESTINATION:	FORT GORDON
STATE:	GEORGIA

FLOOR PLAN

132 x 120 BUSINESS

CONSULTING ARCHITECT
JOHN A. BODZIAK
ARCHITECT, A.I.A. PA.
ARCHITECTURE, DESIGN AND CONSTRUCTION MANAGEMENT
GEORGIA REGISTRATION No. RA010759
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2325 ULMERTON ROAD
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CONSULTING ENGINEER
JAMES BRADLEY, P.E.
212 FOX TRAIL
PARKESBURG, PA. 19365 (610) 857-2458
September 17, 2014
GEORGIA REGISTERED PE8787 PROFESSIONAL ENGINEER JAMES E. BRADLEY

REV.	REVISION DATE	BY
1	8-26-14	T.L.H.

NOTES:

ELECTRICAL SCHEDULE 'J'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1, 3	HVAC	60A(2P)	6-2 #10 GRND.
11, 13	HVAC	60A(2P)	6-2 #10 GRND.
9	DED. CKT. 1.9KW 120V.,1ø	20A(1P)	12-2 EMT
12	DED. CKT. 1.9KW 120V.,1ø	20A(1P)	12-2 EMT
14	DED. CKT. 1.9KW 120V.,1ø	20A(1P)	12-2 EMT
15	DED. CKT. 1.9KW 120V.,1ø	20A(1P)	12-2 EMT
16	DED. CKT. 1.9KW 120V.,1ø	20A(1P)	12-2 EMT
17	DED. CKT. 1.9KW 120V.,1ø	20A(1P)	12-2 EMT
10	RECEPTACLES	20 A	12-2 EMT
2, 4, 6, 8	RECEPTACLES	20 A	12-2 EMT
5, 7	LIGHTING	20 A	12-2 EMT

ELECTRICAL PANEL SIZING:

DESCRIPTION	PANEL 'J'	KVA
GENERAL LIGHTING .0035 KW/SF X1635 SF X 1.25=		7.2
30 RECEPTS AT 180VA/1000=		5.4
(6) DED. CKT. 1.9 KW x 1.25=		14.3
3 FAN(S) AT .3 KW X 1.25=		1.2
(2) HVAC		21.8

TOTAL 49.9 KW
TOTAL/240 X 1000= 208 AMPS
INSTALL 225 AMP PANEL
120/240 V 1ø

NOTE:
PANEL BOX TO HAVE LOCK AND BE KEYED ALIKE

ELECTRICAL SCHEDULE 'L'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1, 3	HVAC	60A(2P)	6-2 #10 GRND.
11, 13	HVAC	60A(2P)	6-2 #10 GRND.
12	DED. CKT. 1.9KW 120V.,1ø	20A(1P)	12-2 EMT
2, 4, 6	RECEPTACLES	20 A	12-2 EMT
8, 10	RECEPTACLES	20 A	12-2 EMT
5, 7, 9, 15	LIGHTING	20 A	12-2 EMT

ELECTRICAL PANEL SIZING:

DESCRIPTION	PANEL 'L'	KVA
GENERAL LIGHTING .0035 KW/SF X3102 SF X 1.25=		13.6
39 RECEPTS AT 180VA/1000=		7.0
DED. CKT. 1.9 KW x 1.25=		2.4
– FAN(S) AT .3 KW X 1.25=		–
(2) HVAC		21.8

TOTAL 44.8 KW
TOTAL/240 X 1000= 187 AMPS
INSTALL 200 AMP PANEL
120/240 V 1ø

NOTE:
PANEL BOX TO HAVE LOCK AND BE KEYED ALIKE

ELECTRICAL SCHEDULE 'N'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1, 3	HVAC	60A(2P)	6-2 #10 GRND.
11, 13	HVAC	60A(2P)	6-2 #10 GRND.
15, 17	WATER HEATER	30A (2P)	10-2 EMT
2, 4, 6, 8	RECEPTACLES	20 A	12-2 EMT
10, 12, 14	RECEPTACLES	20 A	12-2 EMT
5, 7	LIGHTING	20 A	12-2 EMT

ELECTRICAL PANEL SIZING:

DESCRIPTION	PANEL 'N'	KVA
GENERAL LIGHTING .0035 KW/SF X1607 SF X 1.25=		7.1
40 RECEPTS AT 180VA/1000=		7.2
WATER HEATER 6.5 KW x 1.25=		8.1
2 FAN(S) AT .3 KW X 1.25=		.8
(2) HVAC		21.8

TOTAL 45 KW
TOTAL/240 X 1000= 188 AMPS
INSTALL 200 AMP PANEL
120/240 V 1ø

NOTE:
PANEL BOX TO HAVE LOCK AND BE KEYED ALIKE

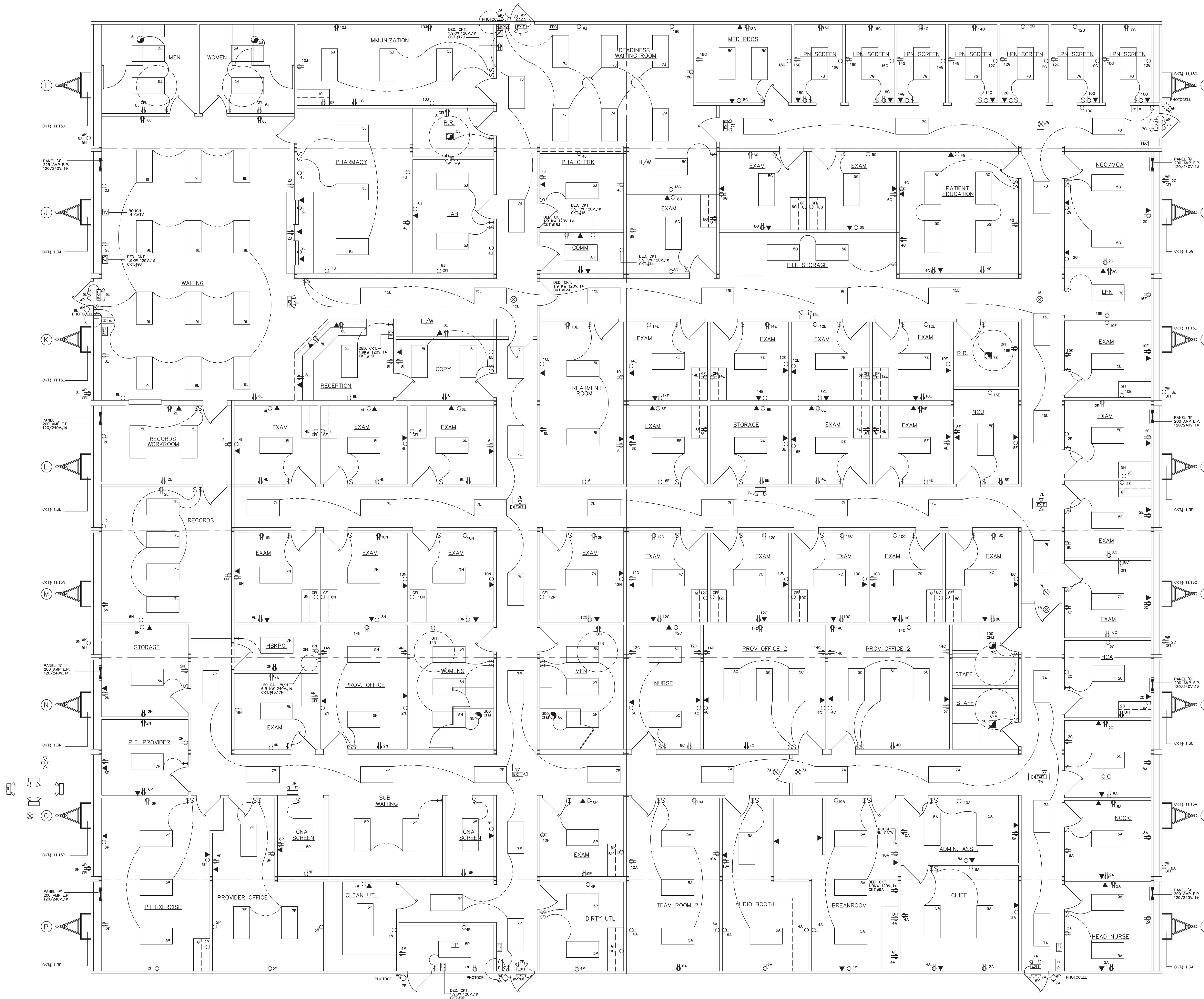
ELECTRICAL SCHEDULE 'P'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1, 3	HVAC	60A(2P)	6-2 #10 GRND.
11, 13	HVAC	60A(2P)	6-2 #10 GRND.
9	DED. CKT. 1.9KW 120V.,1ø	20A(1P)	12-2 EMT
8, 10	RECEPTACLES	20 A	12-2 EMT
2, 4, 6	RECEPTACLES	20 A	12-2 EMT
5, 7	LIGHTING	20 A	12-2 EMT

ELECTRICAL PANEL SIZING:

DESCRIPTION	PANEL 'P'	KVA
GENERAL LIGHTING .0035 KW/SF X1938 SF X 1.25=		8.5
30 RECEPTS AT 180VA/1000=		5.4
DED. CKT. 1.9 KW x 1.25=		2.4
– FAN(S) AT .3 KW X 1.25=		–
(2) HVAC		21.8

TOTAL 38.1 KW
TOTAL/240 X 1000= 159 AMPS
INSTALL 200 AMP PANEL
120/240 V 1ø

NOTE:
PANEL BOX TO HAVE LOCK AND BE KEYED ALIKE



ELECTRICAL SCHEDULE 'G'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1, 3	HVAC	60A(2P)	6-2 #10 GRND.
11, 13	HVAC	60A(2P)	6-2 #10 GRND.
14, 16, 18	RECEPTACLES	20 A	12-2 EMT
8, 10, 12	RECEPTACLES	20 A	12-2 EMT
2, 4, 6,	RECEPTACLES	20 A	12-2 EMT
5, 7	LIGHTING	20 A	12-2 EMT

ELECTRICAL PANEL SIZING:

DESCRIPTION	PANEL 'G'	KVA
GENERAL LIGHTING .0035 KW/SF X2068 SF X 1.25=		9.1
58 RECEPTS AT 180VA/1000=		10.5
WATER HEATER 6.5 KW=		–
– FAN(S) AT .3 KW X 1.25=		–
(2) HVAC		21.8

TOTAL 41.4 KW
TOTAL/240 X 1000= 173 AMPS
INSTALL 200 AMP PANEL
120/240 V 1ø

NOTE:
PANEL BOX TO HAVE LOCK AND BE KEYED ALIKE

ELECTRICAL SCHEDULE 'E'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1, 3	HVAC	60A(2P)	6-2 #10 GRND.
11, 13	HVAC	60A(2P)	6-2 #10 GRND.
12, 14, 16	RECEPTACLES	20 A	12-2 EMT
6, 8, 10	RECEPTACLES	20 A	12-2 EMT
2, 4	RECEPTACLES	20 A	12-2 EMT
5, 7	LIGHTING	20 A	12-2 EMT

ELECTRICAL PANEL SIZING:

DESCRIPTION	PANEL 'E'	KVA
GENERAL LIGHTING .0035 KW/SF X1400 SF X 1.25=		6.2
49 RECEPTS AT 180VA/1000=		8.9
WATER HEATER 1.9 KW x 1.25=		–
1 FAN(S) AT .3 KW X 1.25=		.4
(2) HVAC		21.8

TOTAL 37.3 KW
TOTAL/240 X 1000= 156 AMPS
INSTALL 200 AMP PANEL
120/240 V 1ø

NOTE:
PANEL BOX TO HAVE LOCK AND BE KEYED ALIKE

ELECTRICAL SCHEDULE 'C'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1, 3	HVAC	60A(2P)	6-2 #10 GRND.
11, 13	HVAC	60A(2P)	6-2 #10 GRND.
14	RECEPTACLES	20 A	12-2 EMT
8, 10, 12	RECEPTACLES	20 A	12-2 EMT
2, 4, 6	RECEPTACLES	20 A	12-2 EMT
5, 7	LIGHTING	20 A	12-2 EMT

ELECTRICAL PANEL SIZING:

DESCRIPTION	PANEL 'C'	KVA
GENERAL LIGHTING .0035 KW/SF X1668 SF X 1.25=		7.3
52 RECEPTS AT 180VA/1000=		9.4
WATER HEATER 1.9 KW x 1.25=		–
2 FAN(S) AT .3 KW X 1.25=		.8
(2) HVAC		21.8

TOTAL 39.2 KW
TOTAL/240 X 1000= 164 AMPS
INSTALL 200 AMP PANEL
120/240 V 1ø

NOTE:
PANEL BOX TO HAVE LOCK AND BE KEYED ALIKE

ELECTRICAL SCHEDULE 'A'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1, 3	HVAC	60A(2P)	6-2 #10 GRND.
11, 13	HVAC	60A(2P)	6-2 #10 GRND.
9	DED. CKT. 1.9KW 120V.,1ø	20A(1P)	12-2 EMT
2, 4, 6, 8	RECEPTACLES	20 A	12-2 EMT
10	RECEPTACLES	20 A	12-2 EMT
5, 7	LIGHTING	20 A	12-2 EMT

ELECTRICAL PANEL SIZING:

DESCRIPTION	PANEL 'A'	KVA
GENERAL LIGHTING .0035 KW/SF X1804 SF X 1.25=		7.9
34 RECEPTS AT 180VA/1000=		6.2
DED. CKT. 1.9 KW x 1.25=		2.4
1 FAN(S) AT .3 KW X 1.25=		.4
(2) HVAC		21.8

TOTAL 38.7 KW
TOTAL/240 X 1000= 162 AMPS
INSTALL 200 AMP PANEL
120/240 V 1ø

NOTE:
PANEL BOX TO HAVE LOCK AND BE KEYED ALIKE

ALL BRANCH CIRCUIT WIRING IN EXAM ROOMS AND PATIENT CARE AREAS MUST INCLUDE AN INSULATED COPPER EQUIPMENT GROUNDING CONDUCTOR AND WILL BE RUN IN EMT.

SYMBOLS

J-BOXES ONLY

- P FIRE ALARM PULL STATION
- H FIRE ALARM HORN/STROBE
- S FIRE ALARM STROBE LIGHT
- J 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
- FLUORESCENT FIXTURE WITH 2-32W TUBES
- 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
- $ $3 SWITCH & 3 WAY SWITCH
- OS$ OCCUPANCY SENSOR SWITCH
- FEC FIRE EXTINGUISHER CABINET

APPROVED
09 18 2014

JOHN A. BODZIAK
09/18/2014
CERTIFICATE NO. RA010759
STATE OF GEORGIA REGISTERED ARCHITECT

CONSULTING ARCHITECT

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212 FOX TRAIL
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VALID
September 17, 2014
REGISTERED PROFESSIONAL ENGINEER PE 28787 JAMES E. BRADLEY

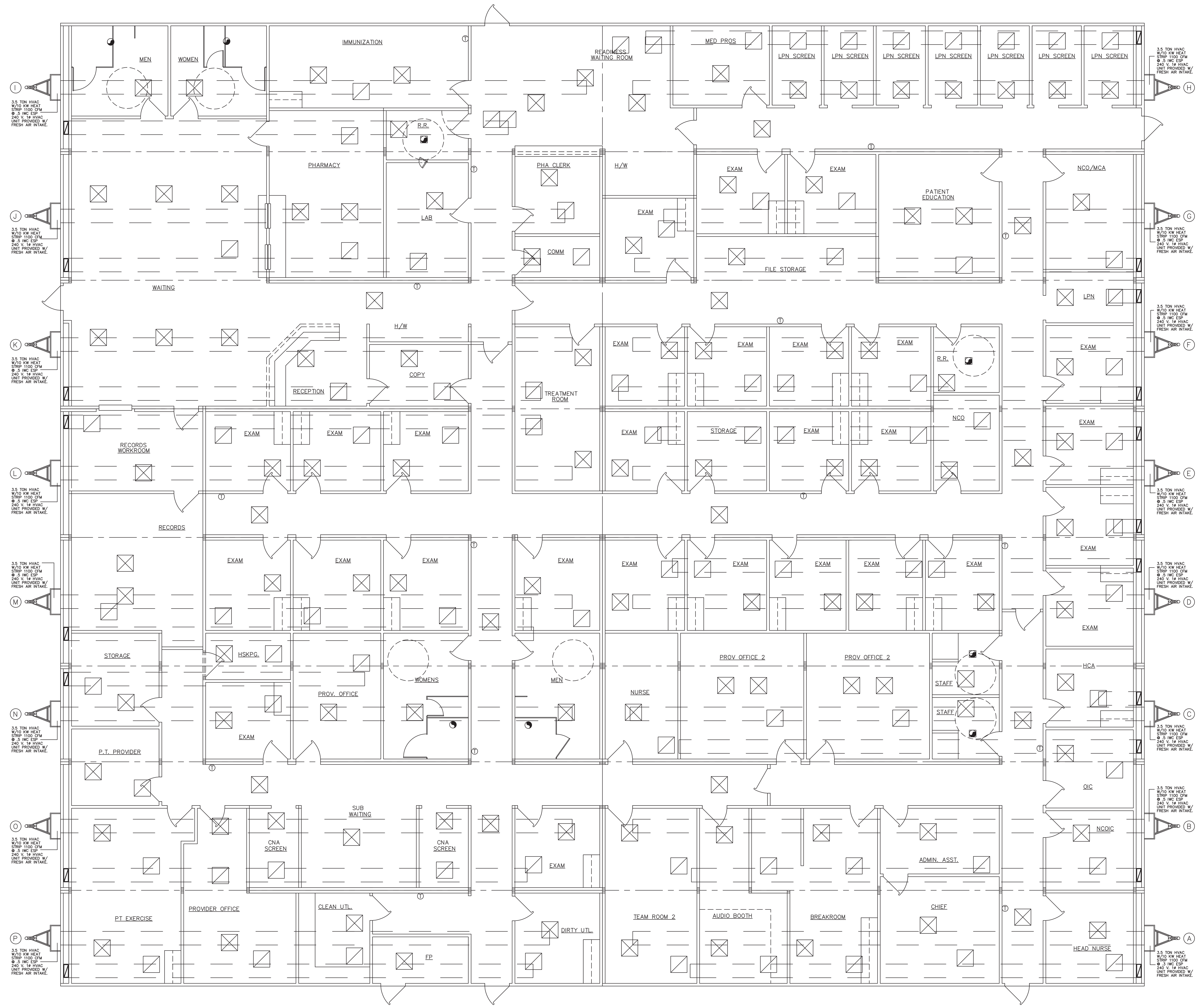
FORT GORDON
REPAIR
CONNELLY HEALTH CLINIC
CONTRACT: W912DY-13-D-0018-CK
TASK ORDER NO.: WD18-CK18

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

DATE:	9-5-14
DRAWN BY:	S.L.H.
SCALE:	NO SCALE
JOB NO:	SSI4376 A-P
LABELS:	EMC
DESTINATION:	FORT GORDON
STATE:	GEORGIA

ELECT PLAN

132 x 120 BUSINESS



LEGEND

Symbol	Description
(square with diagonal)	24"x24" RETURN AIR GRILLE
(square with X)	24"x24" SUPPLY AIR GRILLE
(filled circle)	EXHAUST FAN
(T)	THERMOSTAT PROGRAMMABLE

NOTES:

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

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

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

REV.	REVISION DATE	BY
1	8-26-14	T.L.H.

NOTES:

Sustainable Modular Management
SMM

FORT GORDON
REPAIR
CONNELLY HEALTH CLINIC

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DESTINATION:	FORT GORDON
STATE:	GEORGIA

EMC APPROVED 09 18 2014

MECH PLAN

132 x 120 BUSINESS

4 OF 7

CONSULTING ARCHITECT

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STATE OF GEORGIA REGISTERED ARCHITECT JOHN A. BODZIAK 09/18/2014 CERTIFICATE NO. RA010759

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JAMES BRADLEY, P.E.
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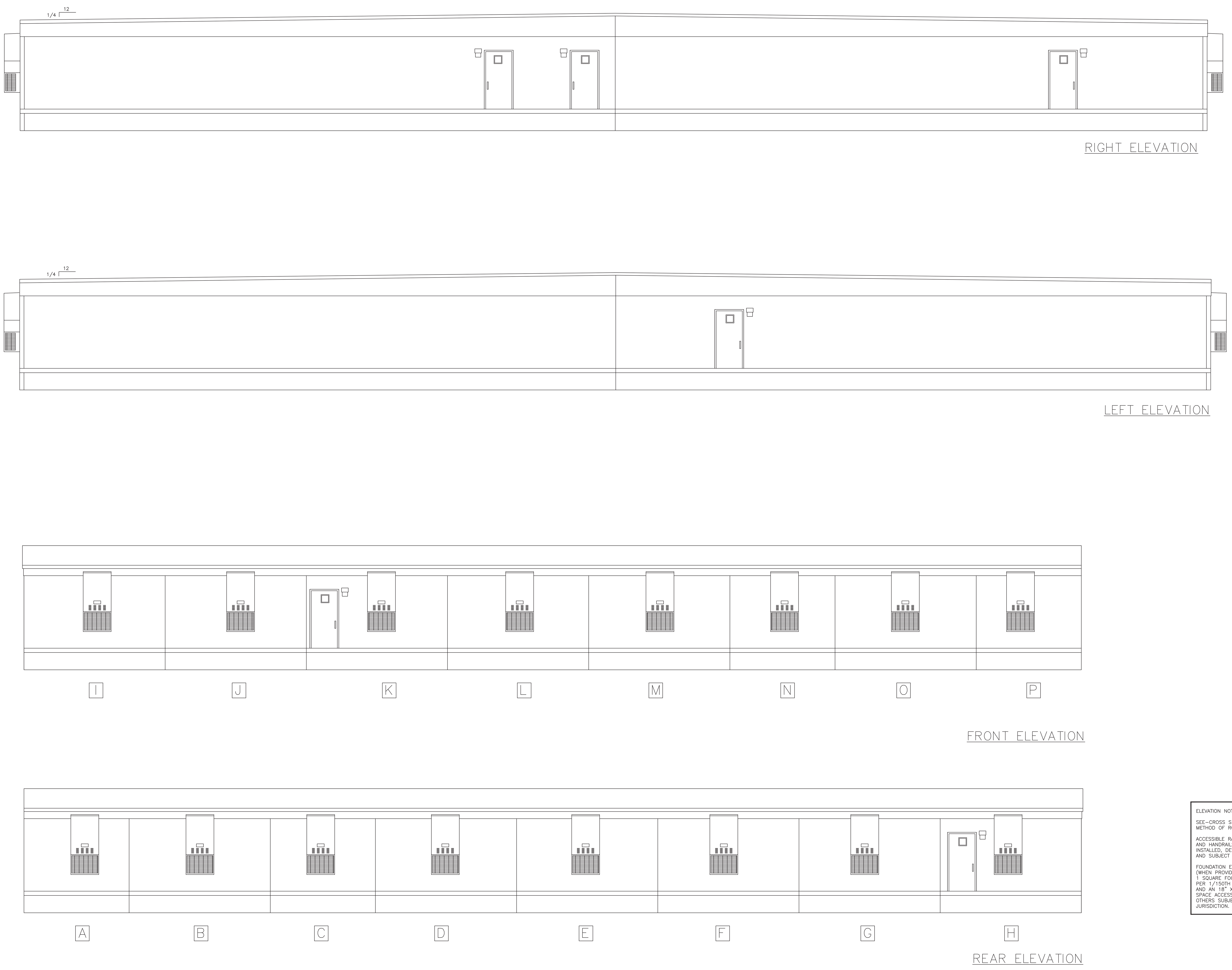
VALID September 17, 2014

GEORGIA REGISTERED PE8787 PROFESSIONAL ENGINEER JAMES E. BRADLEY



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.

EMC APPROVED 09 18 2014

REV.	REVISION DATE	BY
1	8-26-14	T.L.H.

NOTES:

SMM Sustainable Modular Management

FORT GORDON
REPAIR
CONNELLY HEALTH CLINIC
CONTRACT: W912DY-13-D-0018-CK
TASK ORDER NO.: WD18-CK18

MANUFACTURER:
SPECIALIZED STRUCTURES INC.
2400 SPRINGHEAD CHURCH ROAD
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SCALE:	NO SCALE
JOB NO:	SSI4376 A-P
LABELS:	EMC
DESTINATION:	FORT GORDON
STATE:	GEORGIA

ELEVATIONS

132 x 120 BUSINESS

5 OF 7

CONSULTING ARCHITECT

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VALID September 17, 2014

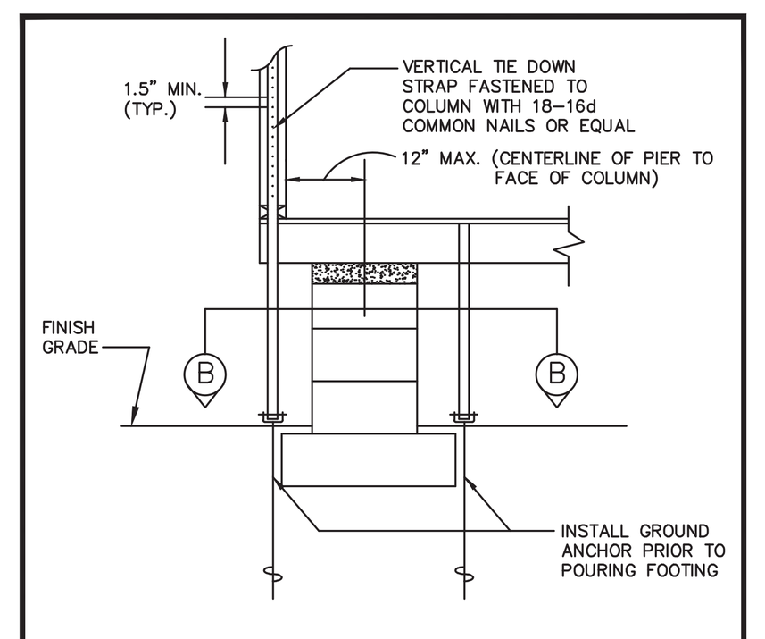
STATE OF GEORGIA REGISTERED ARCHITECT JOHN A. BODZIAK 09/18/2014 NO. RA010759

GEORGIA REGISTERED PE8787 PROFESSIONAL ENGINEER JAMES E. BRADLEY

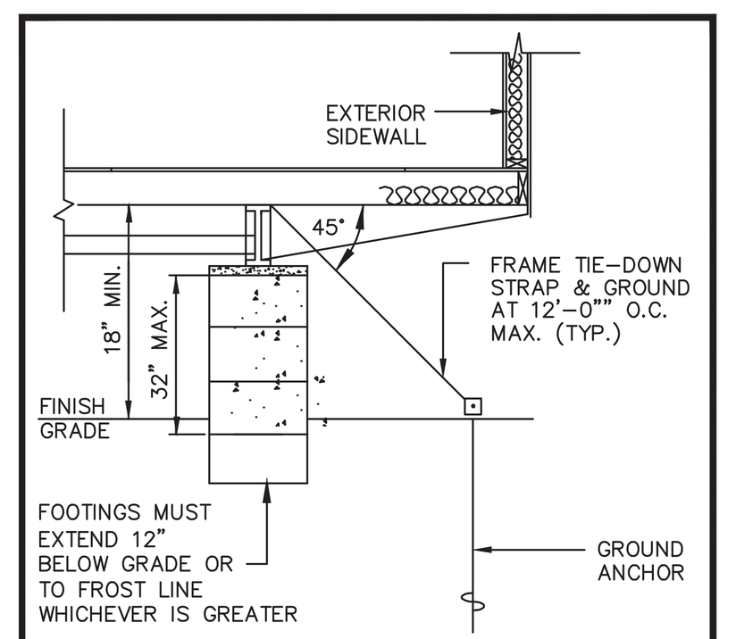
REV.	REVISION DATE	BY
1	8-26-14	T.L.H.

NOTES:

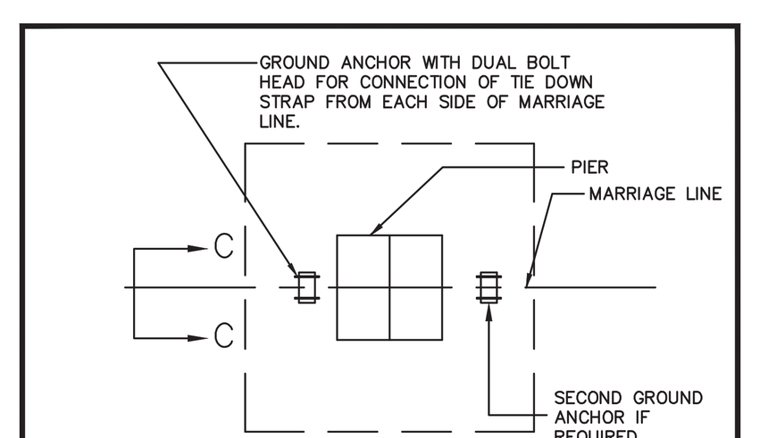
Sustainable Modular Management



VERTICAL TIE DOWN STRAP DETAIL

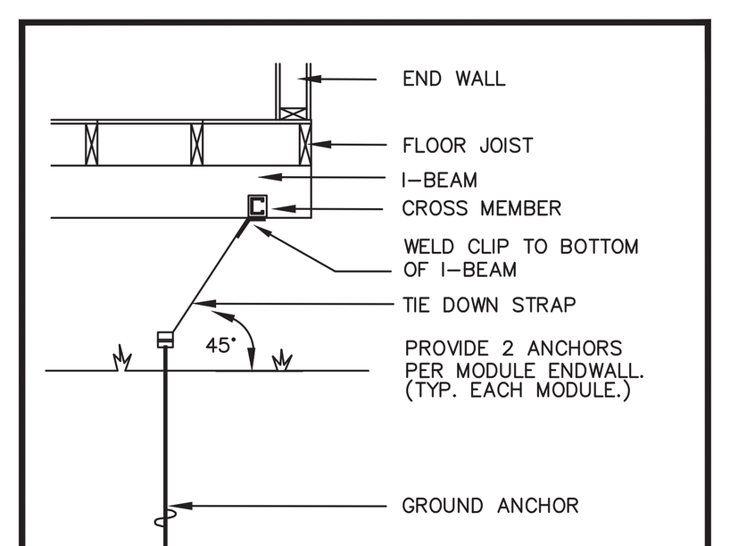


SECTION A-A

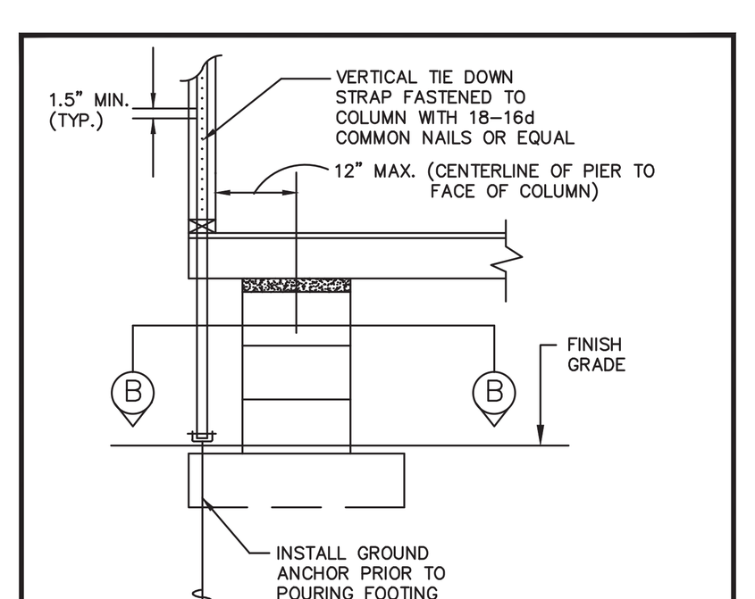


SECTION B-B

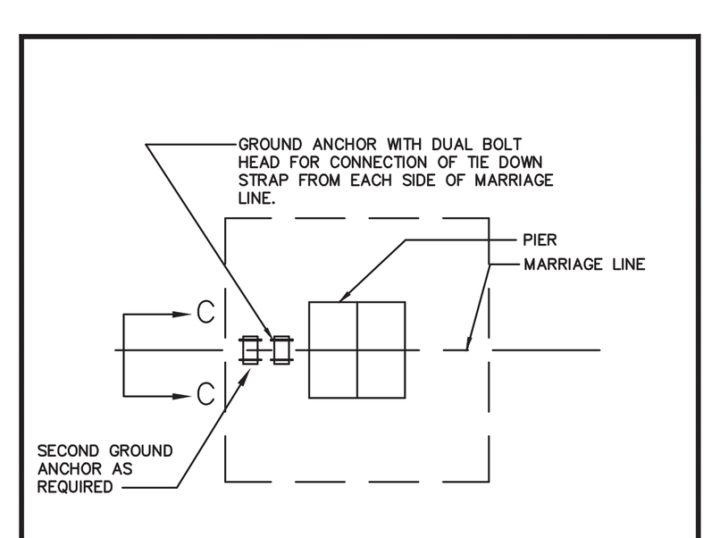
PLAN VIEW OF VERTICAL TIE DOWN STRAP AT MARRIAGE LINE COLUMNS.



X-X ENDWALL TIE DOWN DETAIL

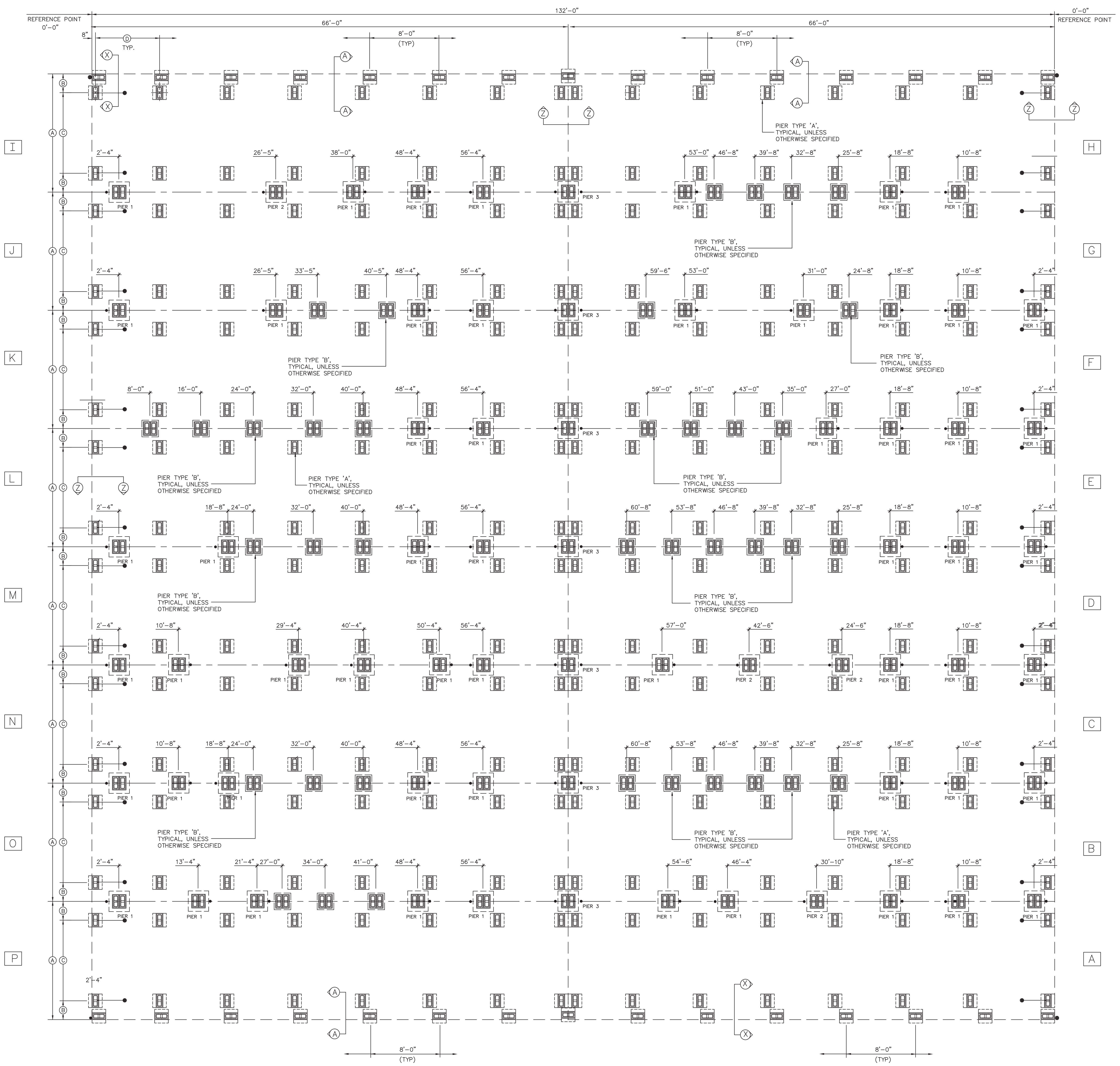


VERTICAL TIE DOWN STRAP DETAIL



SECTION B-B

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



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.

FOUNDATION NOTES:

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. GROUND ANCHORS SHALL HAVE 3150# MINIMUM WORKING CAPACITY, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. DESIGN OF GROUND ANCHOR, INCLUDING SHAFT LENGTH, NUMBER AND DIAMETER OF HELIXES, ETC., TO BE AS SPECIFIED BY THE GROUND ANCHOR MANUFACTURER FOR THE ACTUAL SOIL TYPE ENCOUNTERED. IF THE HOLDING OR PULLOUT CAPACITIES OF GROUND ANCHORS ARE BELOW THE VALUES SPECIFIED ABOVE 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. ALL PIERS SHALL BE CONSTRUCTED OF CONCRETE MASONRY UNITS CONFORMING TO ASTM C90. MASONRY UNITS SHALL BE LAID IN TYPE M OR S MORTAR OR COVERED WITH SURFACE BONDING CEMENT INSTALLED IN ACCORDANCE WITH ITS LISTING. PIER FOOTINGS SHALL BE AS DESCRIBED ABOVE.
6. MINIMUM CONCRETE FOOTING COMPRESSIVE STRENGTH 1,500 PSI AT 28 DAYS.
7. ALL REINFORCEMENT BARS SHALL COMPLY WITH ASTM A615, GRADE 60. REINFORCEMENT BARS SHALL BE EQUALLY SPACED AND PLACED WITH 3" CLEARANCE FROM BOTTOM AND SIDES OF THE FOOTING.
8. ALL PIERS SHALL BE CAPPED WITH 2x8 SYP PRESSURE TREATED SILL PLATES, FULL LENGTH OF PIER.
9. 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.
10. 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.
11. 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.
12. THE AREA UNDER FOOTINGS AND FOUNDATIONS SHALL HAVE ALL VEGETATION, STUMPS, ROOTS, AND FOREIGN MATERIALS REMOVED PRIOR TO THEIR CONSTRUCTION.
13. THE FOUNDATION DIMENSIONS SHOWN ARE NOMINAL. AN INCREASE IN MODULE WIDTH SHOULD BE EXPECTED DUE TO MODULE EXPANSION, SETTING TOLERANCES, ETC. THE FOUNDATION CONTRACTOR SHOULD CONSULT WITH THE MANUFACTURER OF THE MODULES PROIR TO CONSTRUCTION OF THE FOUNDATION TO DETERMINE THE AMOUNT OF INCREASED WIDTH TO BE ADDED TO THE NOMINAL DIMENSIONS SHOWN ABOVE.

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 BELOW FOR THE CORRECT NUMBER OF PIERS REQUIRED FOR EACH SOIL BEARING CAPACITY.

FOUNDATION DIMENSIONS

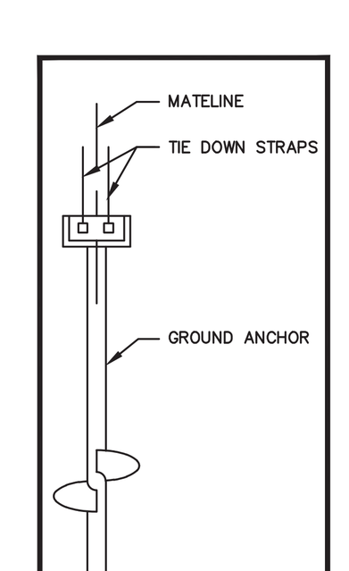
A MODULE WIDTH	B PIER TO MODULE EDGE	C STEEL BEAM SPACING
11'-8"	22 1/4"	95 1/2"

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

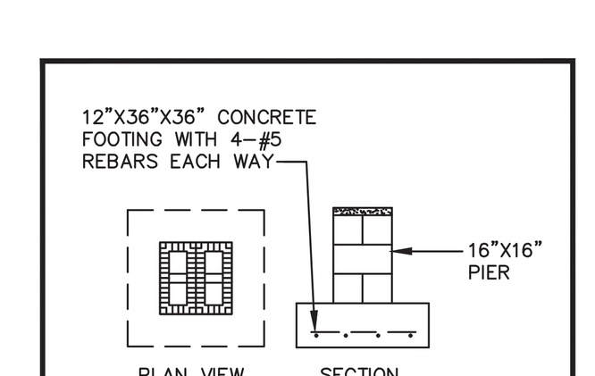
FOUNDATION DIMENSIONS

A MODULE WIDTH	B PIER TO MODULE EDGE	C STEEL BEAM SPACING
15'-8"	46 1/4"	95 1/2"

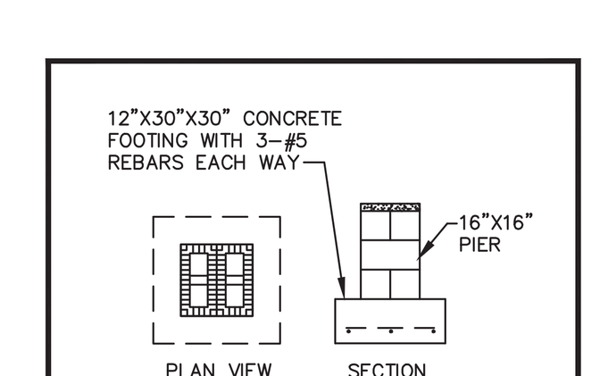
D MAXIMUM PIER SPACING	MINIMUM SOIL BEARING CAPACITY
4'-4" 6'-8"	2000 PSF 3000 PSF



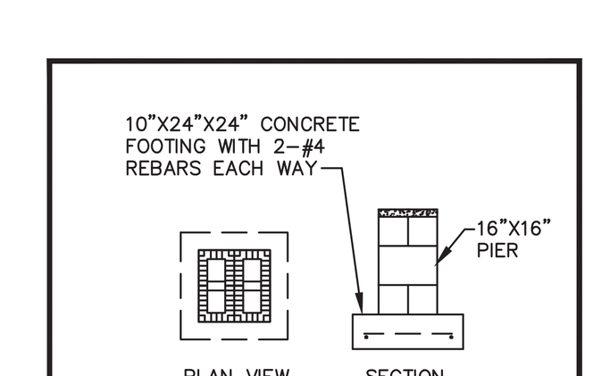
SECTION C-C



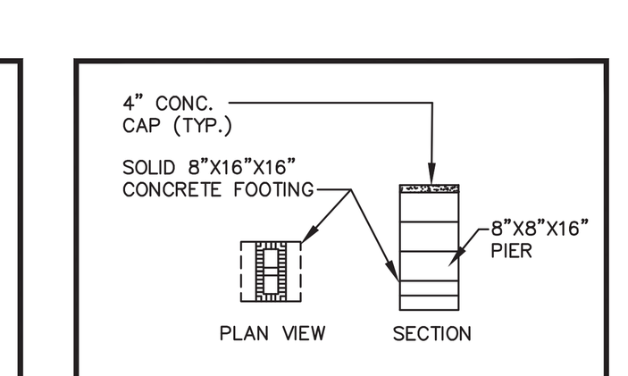
PIER TYPE D



PIER TYPE C



PIER TYPE B



PIER TYPE A

MARRIAGE WALL PIER REQUIREMENTS

PIER NUMBER	MINIMUM SOIL BEARING CAPACITY	PIER TYPE	NUMBER OF VERTICAL TIE DOWN STRAPS REQ'D (EACH MODULE)
1	2000 PSF	B	1
	3000 PSF	B	1
2	2000 PSF	C	1
	3000 PSF	C	1
3	2000 PSF	B	2
	3000 PSF	B	2

EMC APPROVED 09 18 2014

FORT GORDON
REPAIR
CONNELLY HEALTH CLINIC
CONTRACT: W912DY-13-D-0018-CK
TASK ORDER NO.: WD18-CK18

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

DATE:	9-5-14
DRAWN BY:	S.L.H.
SCALE:	NO SCALE
JOB NO:	SSI4376 A-P
LABELS:	EMC
DESTINATION:	FORT GORDON
STATE:	GEORGIA

FOUNDATION

132 x 120 BUSINESS

6 OF 7

CONSULTING ARCHITECT
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TEL: (727) 327-1966 FAX: (727) 865-5119

CONSULTING ENGINEER
JAMES BRADLEY, P.E.
212 FOX TRAIL
PARKESBURG, PA. 19365 (610) 857-2458
September 17, 2014
GEORGIA REGISTERED PE8787 PROFESSIONAL ENGINEER JAMES E. BRADLEY

INTERIOR FINISH MATERIAL:

CEILING – T-GRID CEILING INSTALLED PER MANUFACTURERS SPECS.

WALL – 5/8" TYPE 'X' (VCG) GYPSUM BOARD INSTALLED PER MANUFACTURES SPECIFICATIONS.

FLOOR – VINYL COMPOSITE BLOCK TILE INSTALLED PER MANUFACTURES SPECIFICATIONS.

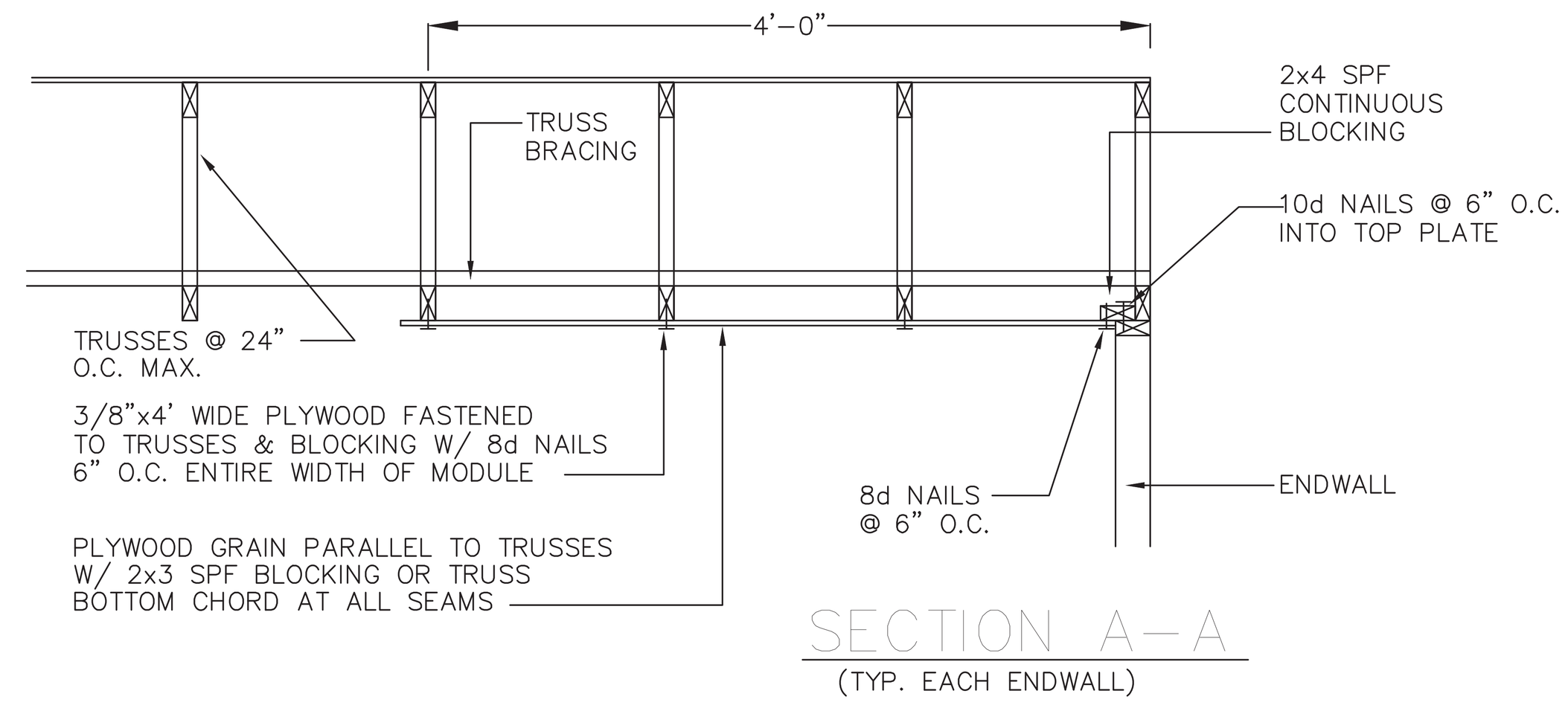
TREATMENT ROOM – SHEET VINYL (COMMMERCIAL GRADE NOT HOMOGENUOUS) INSTALLED PER MANUFACTURES SPECIFICATIONS.

NOTE: INTERIOR WALL AND CEILING FINISHES SHALL BE CLASS C OR BETTER. FLOOR FINISH SHALL BE CLASS II OR BETTER.

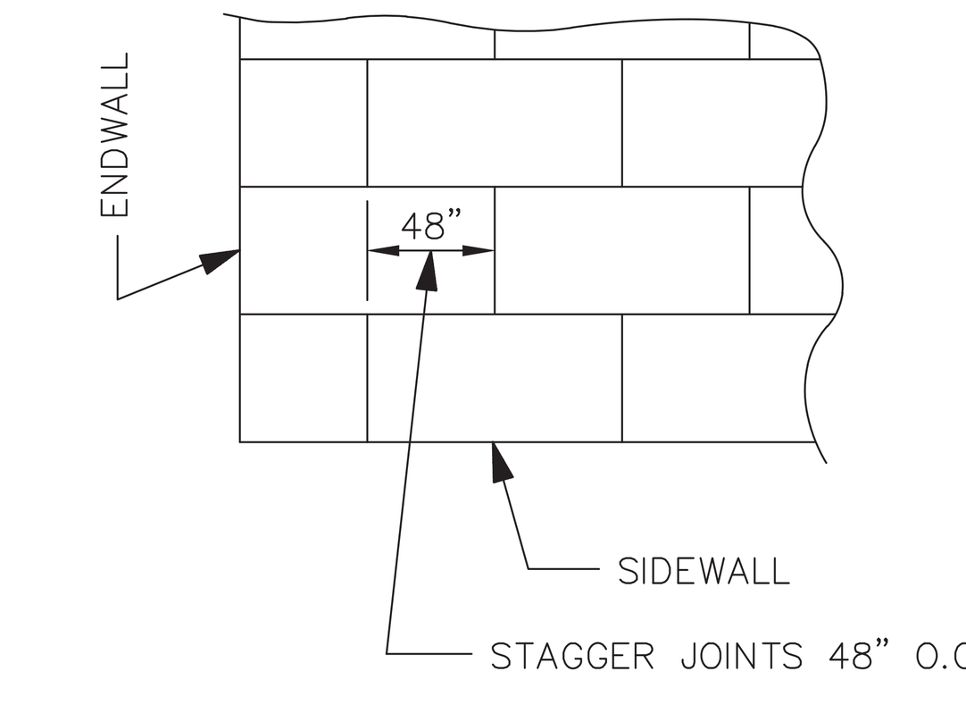
EXTERIOR FINISH MATERIAL:

ROOF – MULE-HIDE 45 MIL (BLACK) EPDM FULLY ADHERED IN ACCORDANCE WITH ESR-1776 OVER 7/16" MULE-HIDE FR DECK PANEL 'C' INSTALLED PER MANUFACTURERS SPECIFICATIONS.

WALL – 5/16 INCH HARDI-PANEL (SIERRA W/VERT GROOVES) OVER APPROVED MOISTURE BARRIER INSTALLED PER MANUFACTURES SPECIFICATIONS.



SECTION A-A
(TYP. EACH ENDWALL)



MULEHIDE:
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

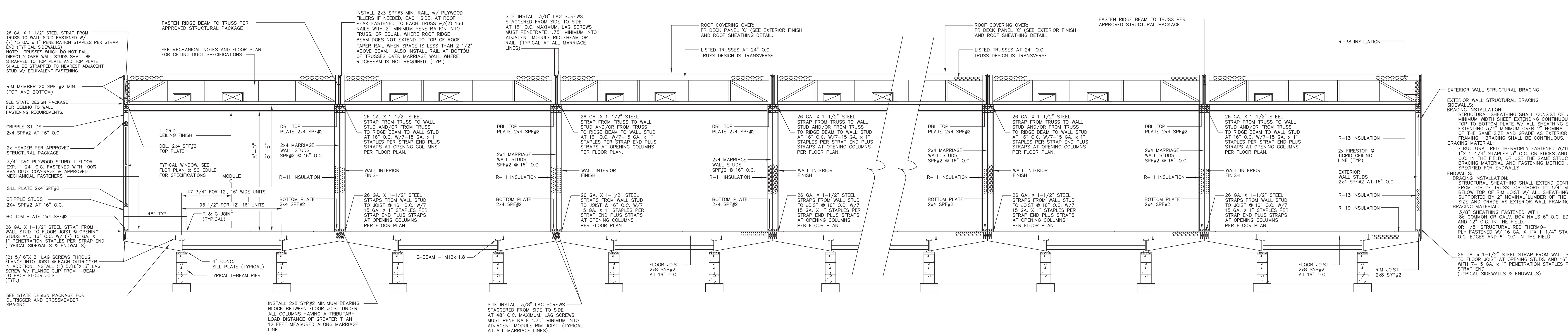
APPROVED TRUSS DESIGN:

TRUSS MANUF # : UNIVERSAL
TRUSS DRAWING. # F138469
TRUSS DRAWING. # F227434
TRUSS DRAWING. # F304704
SEE ATTACHED DWG.

REV.	REVISION DATE	BY
1	8-26-14	T.L.H.

NOTES:

Sustainable Modular Management
SMM



RIDGE BEAM CONSTRUCTION:

SEE FLOOR PLAN FOR EXACT LOCATIONS:

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

(3) LAYER 3/4" x 24" PLYWOOD EXP.-1, STRUCT.-1, 5 PLY/5 LAYER, 48/24 EACH HALF CONTINUOUS ENTIRE LENGTH OF BUILDING.

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 I-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.

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.

STATE OF GEORGIA REGISTERED ARCHITECT
JOHN A. BODZIAK
09/18/2014
CERTIFICATE NO. RA010759

EMC APPROVED 09 18 2014

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