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. ALL STEEL STRAPS REFERENCED ON FLOOR PLAN SHALL BE 1.5 INCH x 26 GA. WITH 8 – 15 GA. x 7/16 INCH CROWN x 1 INCH STAPLES EACH END OF STRAP OR EQUIVALENT FROM RIDGE BEAM TO COLUMN, AND COLUMN TO FLOOR.
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. WHEN LOW SIDES OF ROOF PROVIDE LESS THAN 6" OF OVERHANG, GUTTERS AND DOWN SPOUTS SHALL BE SITE INSTALLED, DESIGNED BY OTHERS, SUBJECT TO LOCAL JURISDICTION APPROVAL.
8. WHEN BUILDINGS ARE INSTALLED IN WIND–BORNE REGIONS, EXTERIOR GLAZING SHALL BE IMPACT RESISTANT OR PROTECTED WITH AN IMPACT RESISTANT COVERING. UNLESS INDICATED OTHERWISE IN THE SPECIFICATIONS FOR BUILDING, THE GLAZED OPENING PROTECTION WILL BE PROVIDED BY WOOD STRUCTURAL PANELS WITH A MINIMUM THICKNESS OF 7/16" WHICH ARE PRECUT TO COVER THE GLAZED OPENINGS, AND ATTACHED WITH 2 1/2" x #8 WOOD SCREWS SPACED NOT MORE THAN 9" O.C. THE PRECUT WOOD STRUCTURAL PANELS AND WOOD SCREWS ARE TO BE PROVIDED ON SITE BY THE OWNER, SUBJECT TO LOCAL APPROVAL 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.

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 2008 NEC.
9. EXTERIOR LIGHTS NOT INTENDED FOR 24 HOUR USE SHALL BE CONNECTED TO A PHOTOCELL OR TIMER.

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. PIPING IN UNCONDITIONED SPACES MUST BE PROTECTED WITH INSULATION HAVING A MINIMUM R FACTOR OF 6.5 IN ACCORDANCE WITH SECTION 305.6.
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 EITHER ABS OR PVC – DWV.
7. WATER SUPPLY LINES SHALL BE 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. THE USE OF THIS BUILDING WITHOUT THE REQUIRED PLUMBING FACILITIES IS SUBJECT TO APPROVAL BY AUTHORITY HAVING JURISDICTION.
14. THE BUILDING OWNER ASSUMES ALL RESPONSIBILTY WHEN THE REQUIRED PLUMBING FACILITIES ARE NOT SHOWN ON THE PLANS. ACCESSBILE PLUMBING FACILITIES SHALL BE PROVIDED IN AN ADJACENT BUILDING, SUBJECT TO APPROVAL BY AUTHORITY HAVING JURISDICTION

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–5 MINIMUM INSULATION EXCEPT DUCTS EXPOSED TO VENTILATED ATTICS AND CRAWL SPACES SHALL HAVE R–6.5 INSULATION.
2. INTERIOR DOORS SHALL BE UNDERCUT 1.5 INCHES ABOVE FINISHED FLOOR FOR AIR RETURN AND/OR AS NOTED ON FLOOR PLAN.
3. VENT FANS SHALL BE DUCTED TO THE EXTERIOR AND TERMINATE AT AN APPROVED VENT CAP.
4. HVAC EQUIPMENT SHALL BE EQUIPPED WITH OUTSIDE FRESH AIR INTAKES PROVIDING 20 CFM FOR EACH OCCUPANT.
5. EXHAUST FANS SHALL PROVIDE A MINIMUM OF 75 CFM FOR EACH WATER CLOSET AND URINAL, 50 CFM PER SHOWER

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.

SYMBOLS

Ⓢ SMOKE DETECTOR
DUPLEX RECEPTACLE 120 V.
SINGLE RECEPTACLE 240 V.
INCANDESCENT LIGHT WITH 1– 60 W. BULB
VENT FAN
COMB. VENT FAN & LIGHT
☒ SUPPLY AIR REGISTER
⧄ RETURN AIR REGISTER
FLOOD LIGHT 2–150W BULBS

J–BOXES ONLY
P FIRE ALARM PULL STATION
H FIRE ALARM HORN/STROBE
S FIRE ALARM STROBE LIGHT

Ⓣ THERMOSTAT
▭ FLUORESCENT FIXTURE WITH 2– 32W TUBES
EXIT SIGNS
J JUNCTION BOX (NON POWERED UNLESS CIRCUIT NO. IS SHOWN)
▼ TELEPHONE JACK
$ $3 SWITCH & 3 WAY SWITCH
EMERGENCY LIGHT WITH BATTERY BACKUP

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, A VERTICAL GRAB BAR 18 INCHES MINIMUM IN LENGTH SHALL BE MOUNTED ON THE SIDEWALL WITH THE BOTTOM OF THE BAR LOCATED BETWEEN 39 AND 41 INCHES ABOVE THE FLOOR, AND WITH THE CENTER LINE OF THE BAR LOCATED BETWEEN 39 INCHES AND 41 INCHES FROM THE REAR WALL.
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.
19. ACCESSIBLE SHOWERS SHALL BE 36"x36" CLEAR WITH A 36"x48" CLEAR SPACE ADJACENT TO THE SHOWER FOR ACCESS. GRAB BARS SHALL BE INSTALLED ACROSS CONTROL WALL AND 18" OF BACK WALL AT 33" A.F.F. 18" VERTICAL GRAB BAR SHALL BE INSTALLED AT CONTROL WALL ACCORDING TO ANSI 608.1. A SEAT SHALL BE PROVIDED IN ACCORDANCE WITH ANSI 608.4. CONTROLS SHALL BE PROVIDED ON THE CONTROL WALL BETWEEN 38"–48" A.F.F. BETWEEN CENTER OF WALL AND 15" MAX. FROM CENTER (TOWARD OPENING) IN ACCORDANCE WITH ANSI 608.5.

STRUCTURAL LOAD LIMITATIONS

FLOOR LIVE LOAD:
A. 50 PSF, 100 PSF CORRIDORS
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 = 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 = 1.1 SNOW THERMAL FACTOR

WIND LOAD:
A. 110 WIND SPEED
B. Iw = 1.0 WIND IMPORTANCE FACTOR
C. C WIND EXPOSURE CATEGORY
D. GCpi= 0.18 INTERNAL PRESSURE COEFFICIENT
E. Pw: ZONE 4: 27.3 PSF
ZONE 5: 32.9 PSF

Pr: ZONE 1: 24.8 PSF
ZONE 2: 39.4 PSF
ZONE 3: 66.6 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. I SEISMIC USE GROUP
B. D SITE CLASS
C. 1K SEISMIC FORCE RESISTING SYSTEM.
D. D SEISMIC DESIGN CATEGORY
E. SIMPLIFIED ANALYSIS PROCEDURE
F. Sds = ≤.70 SPECTRAL RESPONSE COEFFICIENT
G. Sd1 = ≤.20 SPECTRAL RESPONSE COEFFICIENT
H. V = 8141 LB DESIGN BASE SHEAR
I. R = 6.5 RESPONSE MODIFICATION COEFFICIENT

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

ATTENTION LOCAL INSPECTIONS DEPARTMENT

SITE INSTALLED ITEMS

THE FOLLOWING ITEMS HAVE NOT BEEN COMPLETED BY THE MANUFACTURER, HAVE NOT BEEN INSPECTED BY RADCO 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. DRINKING FOUNTAIN, BOTTLED WATER, BUILDING DRAINS, CLEANOUTS, 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 DISCHARE LIGHTING (INCLUDING EMERGENCY)
10. WINDOW AND DOOR HIGH WIND STORM COVERINGS (PER CODE) SEE GENERAL NOTE 8.

BUILDING DESIGN PARAMETERS

1. USE/OCCUPANCY: BUSINESS
2. CONSTRUCTION TYPE: VB
3. SPRINKLER SYSTEM: YES
4. BUILDING AREA: 6300 S.F.
5. BUILDING HEIGHT: ≤ 15 FEET
6. NUMBER OF STORIES: 1
7. NUMBER OF MODULES: 9
8. OCCUPANT LOAD 85 BASED ON 15 NET SF/PERSON IN CONFERENCE ROOM AND 100 SF/PERSON ELSEWHERE.
9. EXTERIOR WALL FIRE RATING: NOT RATED
10. THIS BUILDING MUST BE INSTALLED WITH THE FIRE SEPARATION DISTANCES REQUIRED BY TABLE 602 AND SECTION 704.3 OF THE IBC.
11. ENGERGY CODE COMPLIANCE: SEE ATTACHED ENERGY CALCULATIONS.
12. MANUFACTURERS DATA PLATE, STATE LABELS AND RADCO LABELS ARE TO BE LOCATED ADJACENT TO ELECTRICAL PANEL.

APPROVED
RADCO
Aug 08, 2011
APPROVED

NOTE:
THIS BUILDING IS DESIGNED AND CONSTRUCTED FOR INSTALLATION ON A MILITARY BASE. THEREFORE IT IS EXEMPT FROM STATE REGULATIONS.

CODE SUMMARY:

CODE	BUILDING	ELECTRICAL	MECHANICAL	PLUMBING	ACCESSIBILTY	ENERGY CODE
IBC	2009 IBC	2008 NEC	2009 IMC.	2009 IPC	ANSI 117.1–03	2009 IECC

DRAWING INDEX

1 OF 7	COVER SHEET
2 OF 7	FLOOR/PLUMB PLAN
3 OF 7	ELECTRICAL PLAN
4 OF 7	MECH. PLAN
5 OF 7	ELEVATIONS
6 OF 7	FOUNDATION PLAN
7 OF 7	CROSS SECTION

REV.	REVISION DATE	BY

NOTES:

SMM Sustainable Modular Management

SECTOR 14 A–I
COVER SHEET
60 x 108 BUSINESS

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

DATE: 7–28–11
DRAWN BY: S.L.H.
SCALE: NO SCALE
JOB NO: SSI3959 A–I
LABLES: RADCO
DESTINATION: WRIGHT PATERSON
STATE:

1 OF 7

CONSULTING ENGINEER

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

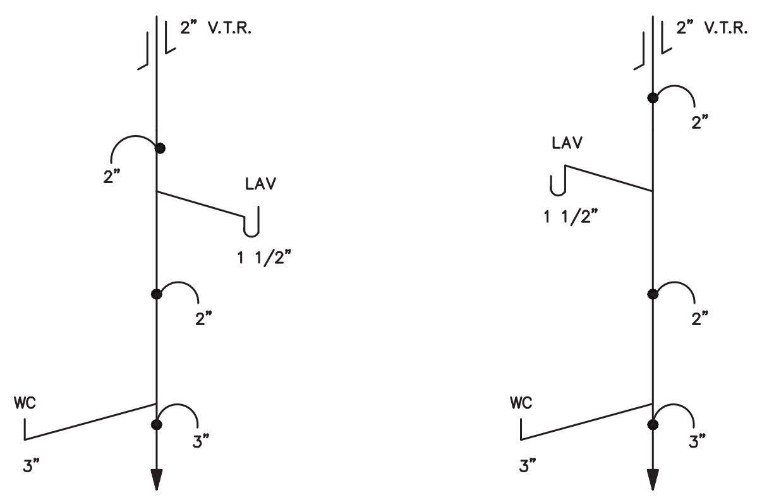
VALID
August 08, 2011
JAMES E. BRADLEY

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.

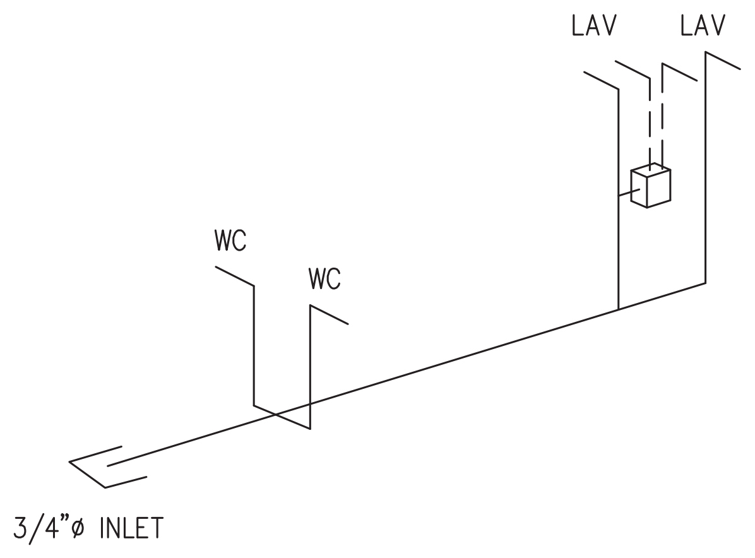


DWV RISER NTS

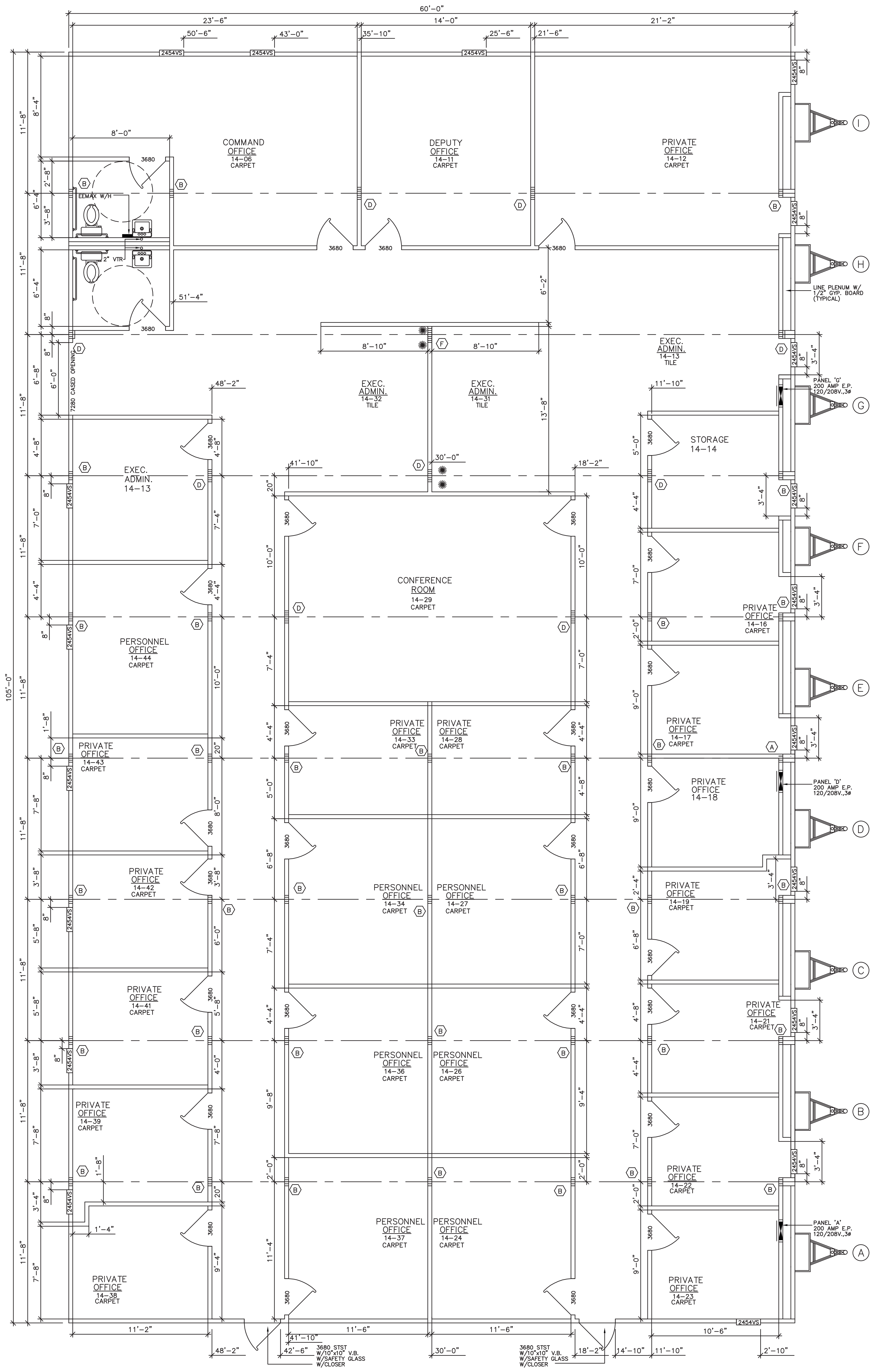
SUPPLY LINE SIZING IS BASED ON AN ASSUMED AVAILABLE PRESSURE OF 46 TO 60 PSI AT MAIN INLET AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.

———— COLD
— — — — HOT

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



SUPPLY RISER -NTS-



REV.	REVISION DATE	BY

NOTES:

SMM
Sustainable Modular Management

SECTOR 14 A-I
FLOOR PLAN
60 x 108 BUSINESS

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

DATE:	7-28-11
DRAWN BY:	S.L.H.
SCALE:	3/16"=1'-0"
JOB NO:	SSI3959 A-I
LABLES:	RADCO
DESTINATION:	WRIGHT PATERSON
STATE:	

2 OF 7

CONSULTING ENGINEER

JAMES BRADLEY, P.E.
212 FOX TRAIL
PARKESBURG, PA. 19365
(610) 857-[illegible]

VALID
August 08, 2011

APPROVED RADCO Aug 08, 2011 APPROVED

JAMES B. BRADLEY

NOTE:
NM CABLE SHALL NOT BE USED WHERE INTERIOR FINISH HAS LESS THAN A 15 MIN. FIRE RATING TYPE AC OR OTHER APPROVED WIRING METHODS SHALL BE USED WHEN USING LESS THAN 1/2" GYP. WALL SHEATHING

ELECTRICAL PANEL 'A'

200 AMP PANEL 120/208 VOLT, 3 PHASE, 4 WIRE

DESCRIPTION	WATTAGE		BRKR.	CU.	CKT.	WATTAGE			CKT.	CU.	BRKR.	WATTAGE		DESCRIPTION
	LIGHTING	OTHER	AMPS	WIRE	NO.	Aø	Bø	Cø	NO.	WIRE	AMPS	OTHER	LIGHTING	
HVAC		2250	35–3	8	1	4500			2	8	35–3	2250		HVAC
HVAC		2250		8	3		4500		4	8		2250		HVAC
HVAC		2250		8	5			4500	6	8		2250		HVAC
HVAC		2250	35–3	8	7	3418			8	12	20		1168	LIGHTS
HVAC		2250		8	9		3418		10	12	20		1168	LIGHTS
HVAC		2250		8	11			2954	12	12	20		704	LIGHTS
LIGHTS	704		20	12	13	2144			14	12	20	1440		RECEPTACLES
RECEPTACLES		1440	20	12	15		2880		16	12	20	1440		RECEPTACLES
RECEPTACLES		1440	20	12	17			2880	18	12	20	1440		RECEPTACLES
RECEPTACLES		1440	20		19	2880			20	12	20	1440		RECEPTACLES
RECEPTACLES		1440	20		21		2880		22	12	20	1440		RECEPTACLES
RECEPTACLES		1440	20		23			2880	24	12	20	1440		RECEPTACLES
RECEPTACLES		900	20		25	900			26					SPARE
SPARE					27				28					SPARE
TOTALS	704	21600				13842	13678	13214				15390	3040	

TOTAL ACTUAL LTG. WATTS 3744 x 1.25 = 4680 WATTS
MIN. CODE LTG. WATTS 2100 SF x 3.5 W/SF x 1.25 = 9188 WATTS
TOTAL WATTS = OTHER WATTS 36990 + MAX LTG. WATTS 9188 = 46178 WATTS
PANEL AMPS = TOTAL WATTS 46178 / (208V x 1.732) = 129 AMPS

EMT CONDUIT THROUGHHOUT
BOLT ON BREAKERS...COPPER BUS

ELECTRICAL PANEL 'D'

200 AMP PANEL 120/208 VOLT, 3 PHASE, 4 WIRE

DESCRIPTION	WATTAGE		BRKR.	CU.	CKT.	WATTAGE			CKT.	CU.	BRKR.	WATTAGE		DESCRIPTION
	LIGHTING	OTHER	AMPS	WIRE	NO.	Aø	Bø	Cø	NO.	WIRE	AMPS	OTHER	LIGHTING	
HVAC		2250	35–3	8	1	4500			2	8	35–3	2250		HVAC
HVAC		2250		8	3		4500		4	8		2250		HVAC
HVAC		2250		8	5			4500	6	8		2250		HVAC
HVAC		2250	35–3	8	7	2907			8	12	20		657	LIGHTS
HVAC		2250		8	9		2907		10	12	20		657	LIGHTS
HVAC		2250		8	11			3690	12	12	20	1440		RECEPTACLES
RECEPTACLES		1440	20	12	13	2880			14	12	20	1440		RECEPTACLES
RECEPTACLES		1440	20	12	15		2880		16	12	20	1440		RECEPTACLES
RECEPTACLES		1440	20	12	17			2880	18	12	20	1440		RECEPTACLES
RECEPTACLES		1440	20	12	19	2880			20	12	20	1440		RECEPTACLES
RECEPTACLES		1440	20	12	21		2880		22	12	20	1440		RECEPTACLES
SPARE					23				24					SPARE
SPARE					25				26					SPARE
SPARE					27				28					SPARE
TOTALS	–	20700				13167	13167	11070				15390	1314	

TOTAL ACTUAL LTG. WATTS 1314 x 1.25 = 1643 WATTS
MIN. CODE LTG. WATTS 2100 SF x 3.5 W/SF x 1.25 = 9188 WATTS
TOTAL WATTS = OTHER WATTS 36090 + MAX LTG. WATTS 9188 = 45278 WATTS
PANEL AMPS = TOTAL WATTS 45278 / (208V x 1.732) = 126 AMPS

EMT CONDUIT THROUGHHOUT
BOLT ON BREAKERS...COPPER BUS

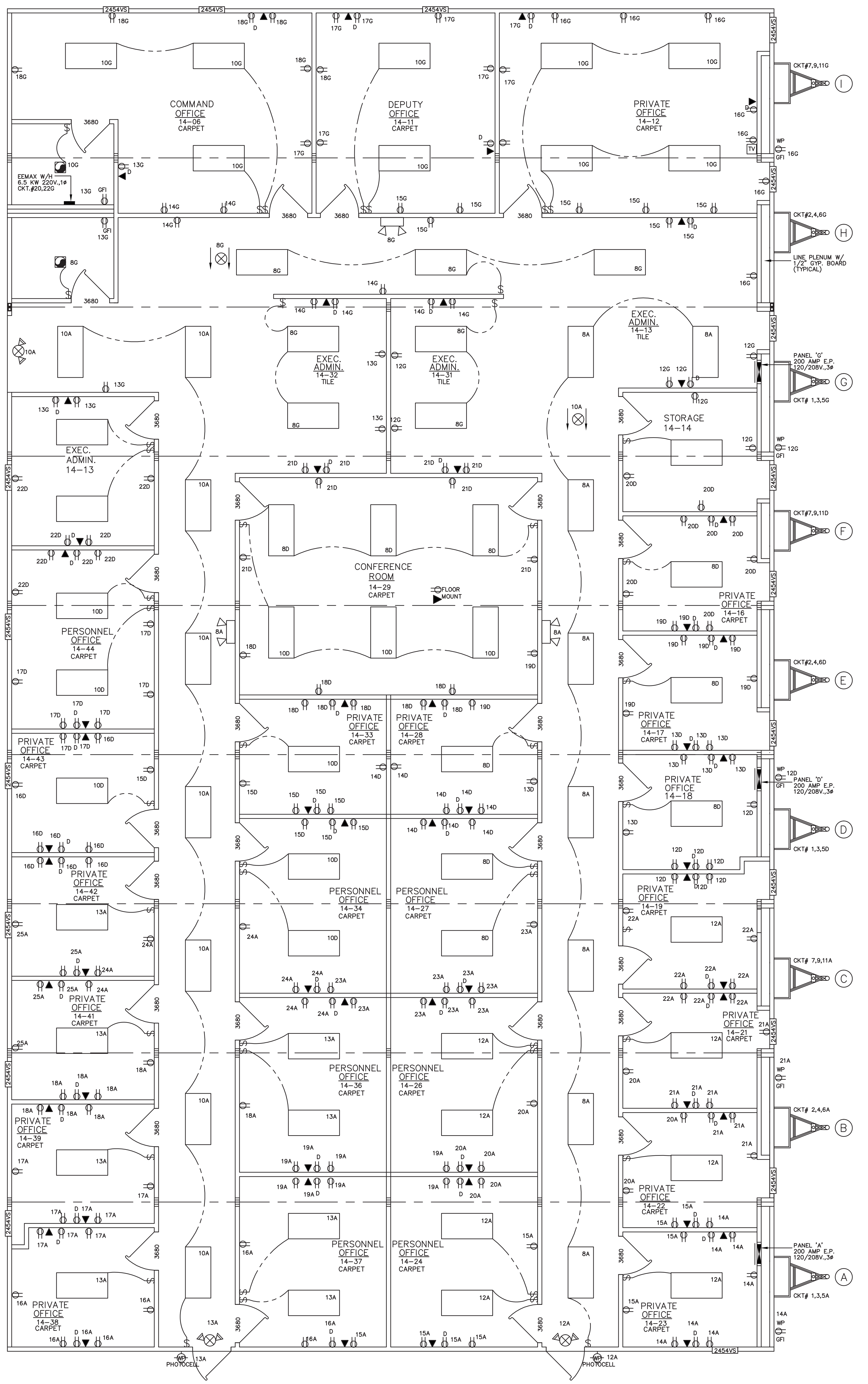
ELECTRICAL PANEL 'G'

200 AMP PANEL 120/208 VOLT, 3 PHASE, 4 WIRE

DESCRIPTION	WATTAGE		BRKR.	CU.	CKT.	WATTAGE			CKT.	CU.	BRKR.	WATTAGE		DESCRIPTION
	LIGHTING	OTHER	AMPS	WIRE	NO.	Aø	Bø	Cø	NO.	WIRE	AMPS	OTHER	LIGHTING	
HVAC		2250	35–3	8	1	4500			2	8	35–3	2250		HVAC
HVAC		2250		8	3		4500		4	8		2250		HVAC
HVAC		2250		8	5			4500	6	8		2250		HVAC
HVAC		2250	35–3	8	7	2821			8	12	20		571	LIGHTS
HVAC		2250		8	9		2967		10	12	20		717	LIGHTS
HVAC		2250		8	11			3690	12	12	20	1440		RECEPTACLES
RECEPTACLES		1440	20	12	13	2880			14	12	20	1440		RECEPTACLES
RECEPTACLES		1440	20	12	15		2880		16	12	20	1440		RECEPTACLES
RECEPTACLES		1440	20	12	17			2520	18	12	20	1080		RECEPTACLES
SPARE					19	3250			20	10	30–2	3250		WATER HEATER
SPARE					21		3250		22	10	30–2	3250		WATER HEATER
SPARE					23				24					SPARE
SPARE					25				26					SPARE
SPARE					27				28					SPARE
TOTALS	–	17820				13451	13597	10710				18650	1288	

TOTAL ACTUAL LTG. WATTS 1288 x 1.25 = 1610 WATTS
MIN. CODE LTG. WATTS 2100 SF x 3.5 W/SF x 1.25 = 9188 WATTS
TOTAL WATTS = OTHER WATTS 36470 + MAX LTG. WATTS 9188 = 45658 WATTS
PANEL AMPS = TOTAL WATTS 45658 / (208V x 1.732) = 127 AMPS

EMT CONDUIT THROUGHHOUT
BOLT ON BREAKERS...COPPER BUS



APPROVED RADCO Aug 08, 2011 APPROVED

REV.	REVISION DATE	BY

NOTES:

Sustainable Modular Management

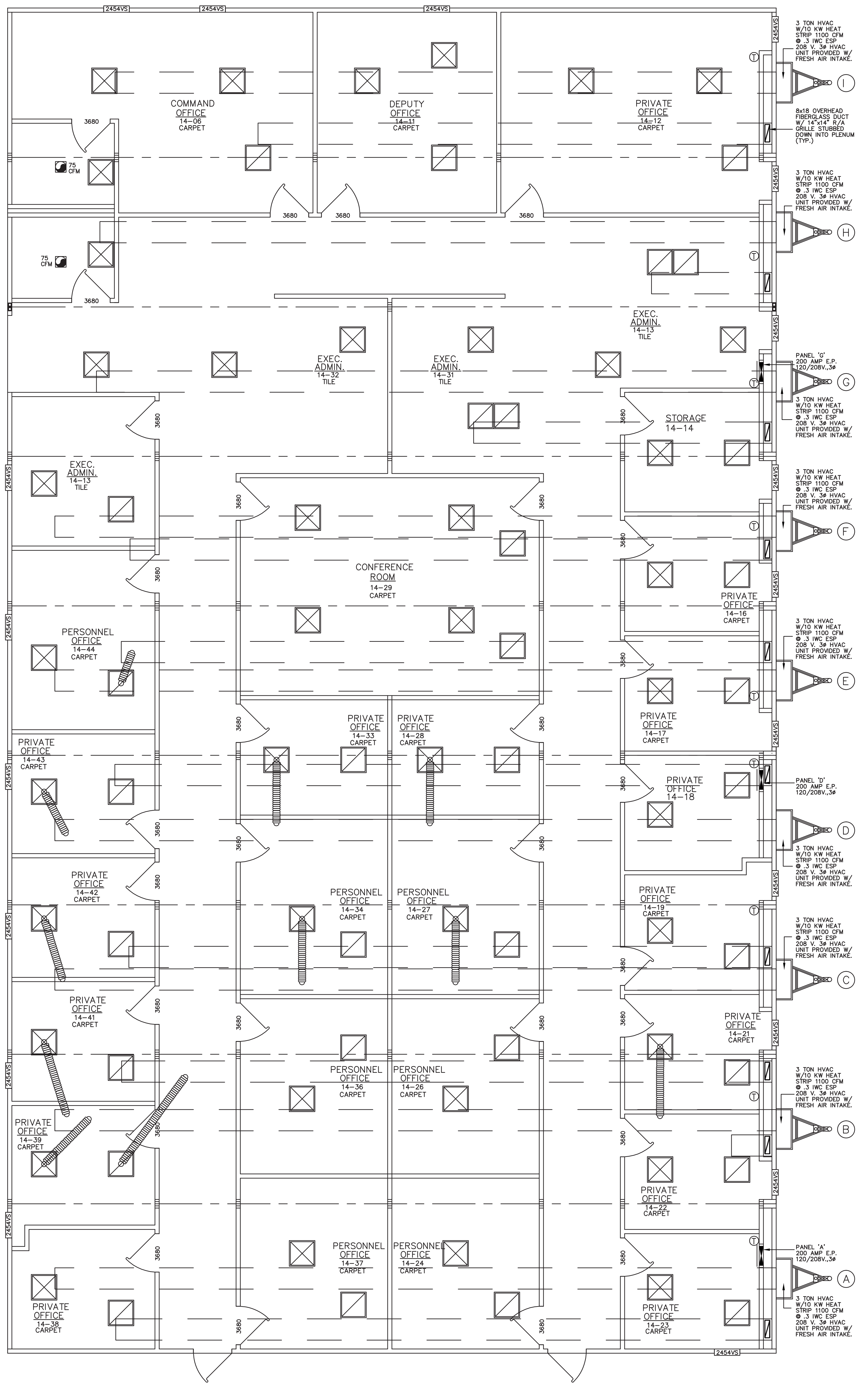
SECTOR 14 A–I
ELECT. PLAN
60 x 108 BUSINESS

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

DATE:	7–28–11
DRAWN BY:	S.L.H.
SCALE:	3/16"=1'–0"
JOB NO:	SSI3959 A–I
LABLES:	RADCO
DESTINATION:	WRIGHT PATERSON
STATE:	

3 OF 7

CONSULTING ENGINEER
JAMES BRADLEY, P.E.
312 [illegible] TRAIL
PARKERSBURG, PA [illegible]365
VALID
August 08, 2011



REV.	REVISION DATE	BY

NOTES:

SMM
Sustainable Modular Management

SECTOR 14 A-I
MECH. PLAN
60 x 108 BUSINESS

MANUFACTURER:

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

DATE:	7-28-11
DRAWN BY:	S.L.H.
SCALE:	3/16"=1'-0"
JOB NO:	SSI3959 A-I
LABLES:	RADCO
DESTINATION:	WRIGHT PATERSON
STATE:	

4 OF 7

CONSULTING ENGINEER

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

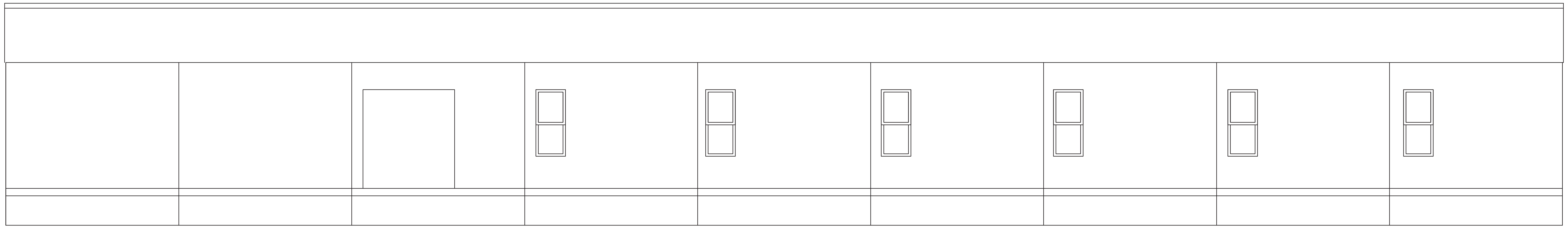
P.E.

VALID

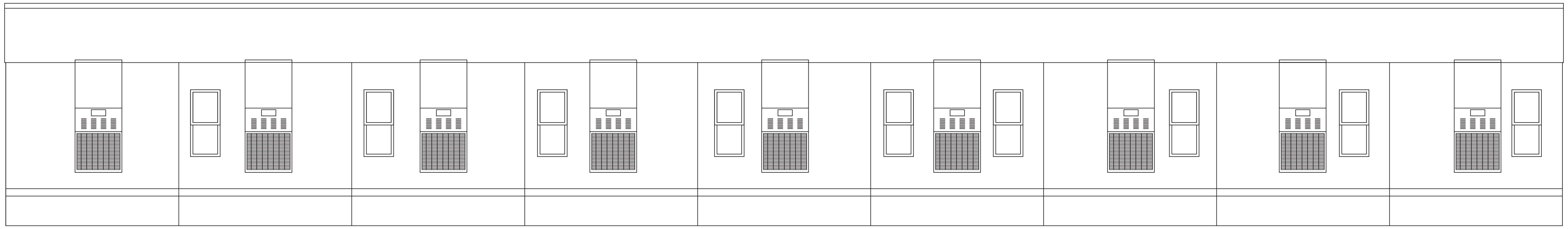
August 08, 2011

JAMES E. BRADLEY
E-36042

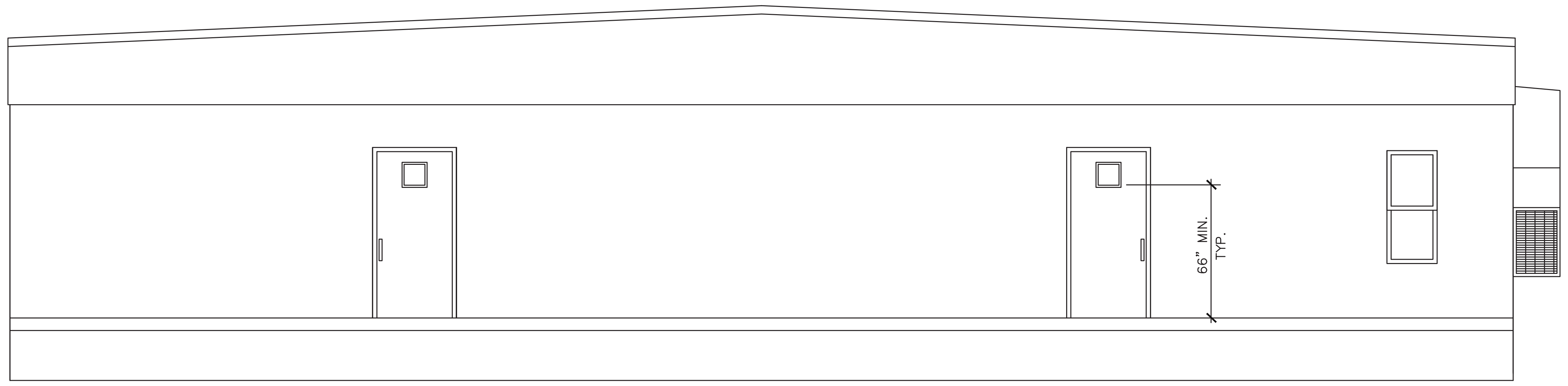
APPROVED RADCO APPROVED
Aug 08, 2011



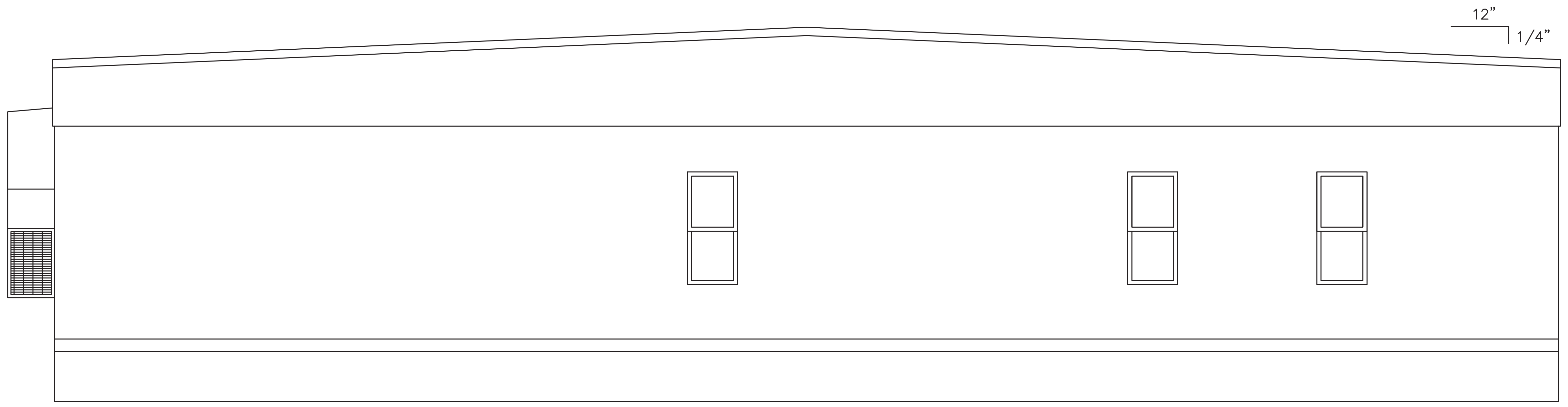
LEFT ELEVATION



RIGHT ELEVATION



FRONT ELEVATION



REAR ELEVATION

TYPICAL ELEVATION NOTES:

1. ALL SITE INSTALLED ITEMS ARE SUBJECT TO THE APPROVAL OF THE JURISDICTION HAVING AUTHORITY.
2. ACCESSIBLE RAMP(S), STAIR(S), AND HANDRAILS ARE DESIGNED, SUPPLIED AND SITE INSTALLED BY SSI.
3. FOUNDATION ENCLOSURE IS DESIGNED, SUPPLIED AND INSTALLED BY SSI. ENCLOSURE MUST HAVE A MINIMUM NET AREA OF VENTILATION OPENINGS OF NOT LESS THAN ONE SQUARE FOOT FOR EACH 150 SQUARE FEET OF CRAWL SPACE AREA. LOCATE OPENINGS TO PROVIDE CROSS VENTILATION OF ENTIRE CRAWL SPACE. INSTALL AN 18" X 24" MINIMUM OPENING FOR CRAWL SPACE ACCESS.
4. FOR LOCATION OF VTRS AND ALL PENETRATIONS THRU ROOF SEE ROOF PLAN

APPROVED RADCO APPROVED
Aug 08, 2011

REV.	REVISION DATE	BY

NOTES:

Sustainable Modular Management

SECTOR 14 A-I
ELEVATIONS
60 x 108 BUSINESS

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

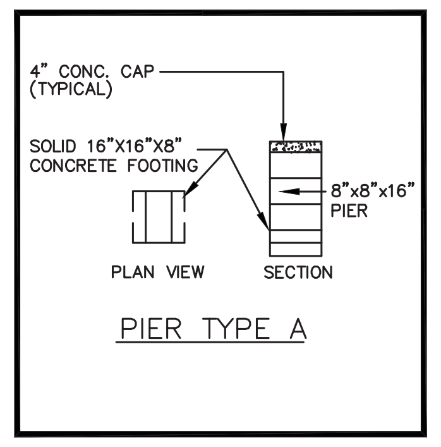
DATE:	7-28-11
DRAWN BY:	S.L.H.
SCALE:	3/16"=1'-0"
JOB NO:	SSI3959 A-I
LABLES:	RADCO
DESTINATION:	WRIGHT PATERSON
STATE:	

5 OF 7

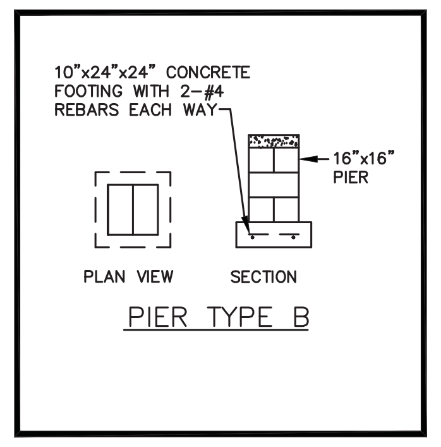
CONSULTING ENGINEER

JAMES BRADLEY, P.E.
212 FOX TRAIL
PARKESBURG, PA 19365
(610) 857-2456

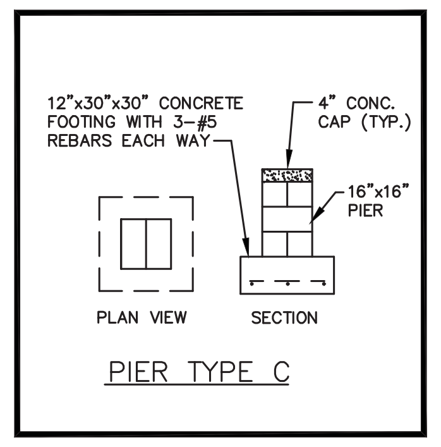
VALID
August 08, 2011



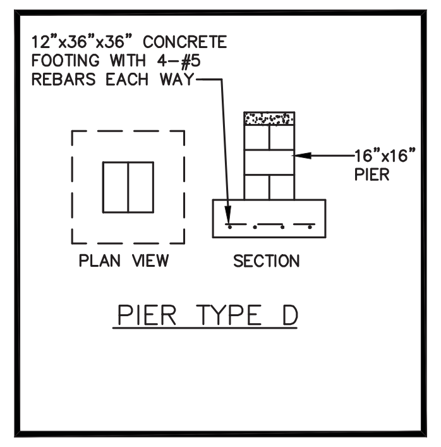
PIER TYPE A



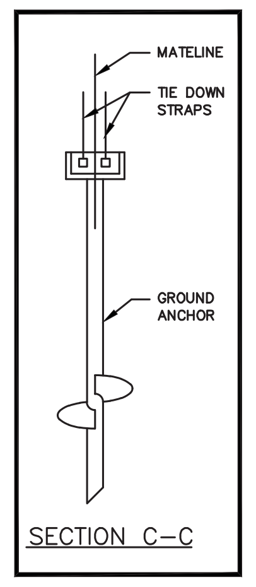
PIER TYPE B



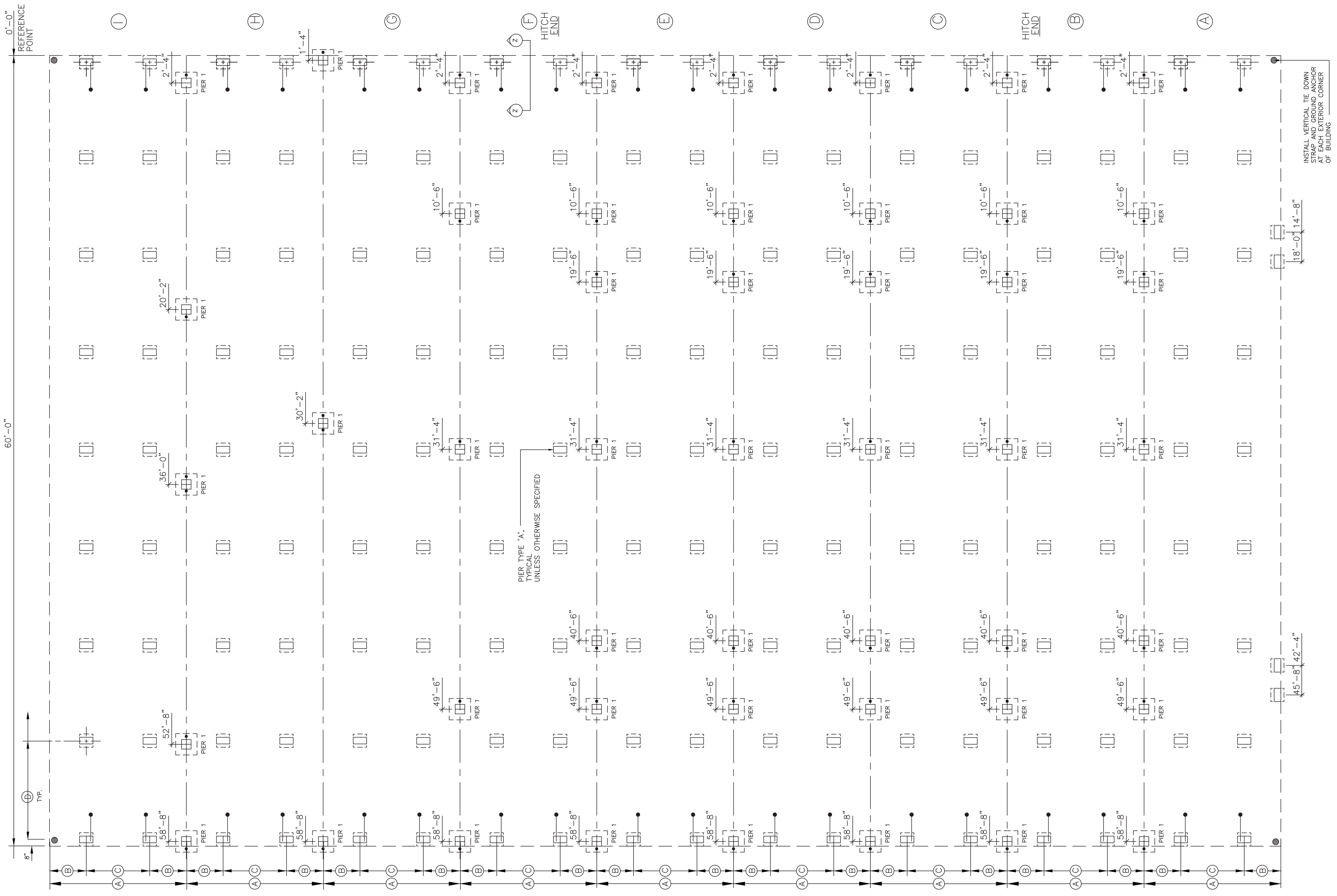
PIER TYPE C



PIER TYPE D

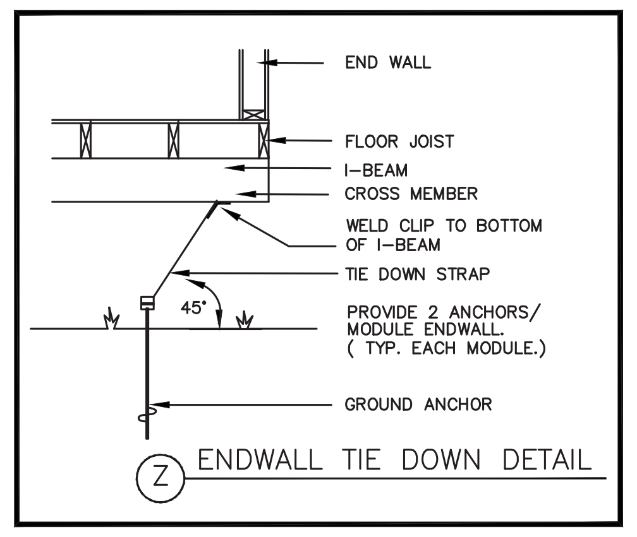


SECTION C-C

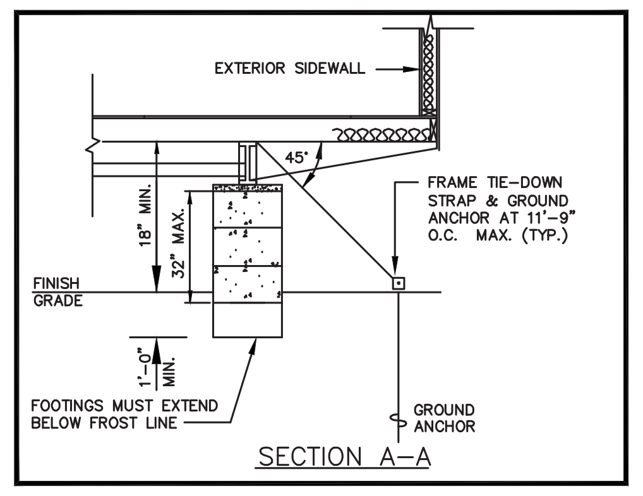


FOUNDATION NOTES:

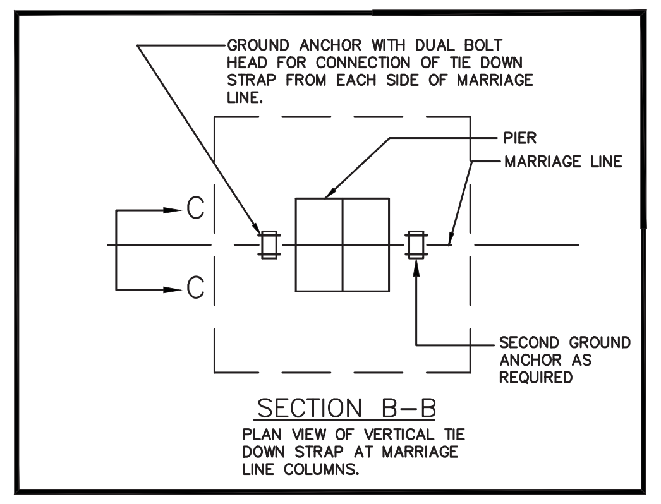
1. ALL FOUNDATION CONSTRUCTION, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES.
2. TIE-DOWN STRAPS TO BE 1-1/4"x .035" TYPE-1, FINISH B, GRADE 1 ZINC COATED STEEL STRAPPING CERTIFIED BY A REGISTERED ENGINEER OR ARCHITECT AS CONFORMING WITH ASTM D3953-91. TIE DOWN STRAPS AND CONNECTING HARDWARE SHALL HAVE 3150# MINIMUM WORKING CAPACITY.
3. EACH GROUND ANCHOR SHALL HAVE A WORKING CAPACITY NO LESS THAN THE SUM OF THE REQUIRED WORKING CAPACITIES OF ALL TIE DOWN STRAPS CONNECTED TO THE GROUND ANCHOR, 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 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 12 INCHES.
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 2,500 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. SEE SHEET 1 OF 7 FOR BUILDING DESIGN LOADS.
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.



ENDWALL TIE DOWN DETAIL

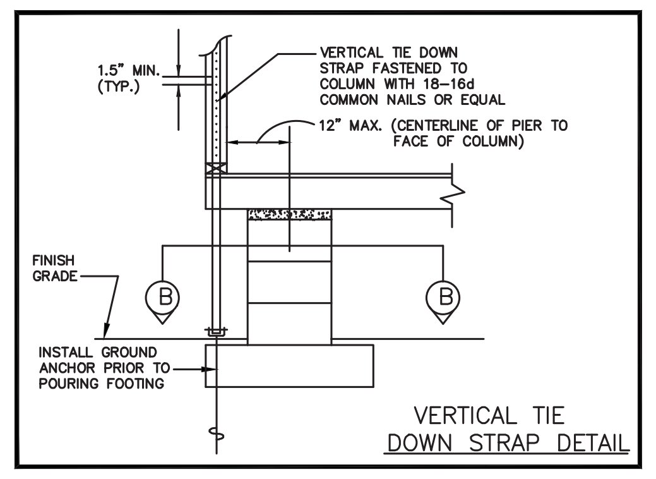


SECTION A-A



SECTION B-B

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



VERTICAL TIE DOWN STRAP DETAIL

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 BELOWT 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

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.

MARRIAGE WALL PIER REQUIREMENTS

PIER NUMBER	MINIMUM SOIL BEARING CAPACITY	PIER TYPE	NUMBER OF VERTICAL TIE DOWN STRAPS REQ'D (EACH MODULE)
1	1500 PSF	D	1
	2000 PSF	C	1
	1500 PSF		
	2000 PSF		

APPROVED RADCO Aug 08, 2011 APPROVED

REV.	REVISION DATE	BY

NOTES:

Sustainable Modular Management

SECTOR 14 A-I
FOUNDATION
60 x 108 BUSINESS

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

DATE:	7-28-11
DRAWN BY:	S.L.H.
SCALE:	3/16"=1'-0"
JOB NO:	SSI3959 A-I
LABLES:	RADCO
DESTINATION:	WRIGHT PATERSON
STATE:	

6 OF 7

CONSULTING ENGINEER

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

VALID

JAMES E. BRADLEY
E-56042

August 08, 2011

INTERIOR FINISH MATERIAL:

CEILING – T-GRID CEILING INSTALLED PER MANUFACTURERS SPECIFICATIONS

WET AREAS CEILING – 5/8" RAW GYP. BOARD (TAPE AND MUD BY OTHERS) INSTALLED PER MANUFACTURERS SPECIFICATIONS

WALL – 5/8" GYP. BOARD (VINYL COVERED IN THROUGHOUT) INSTALLED PER MANUFACTURERS SPECIFICATIONS

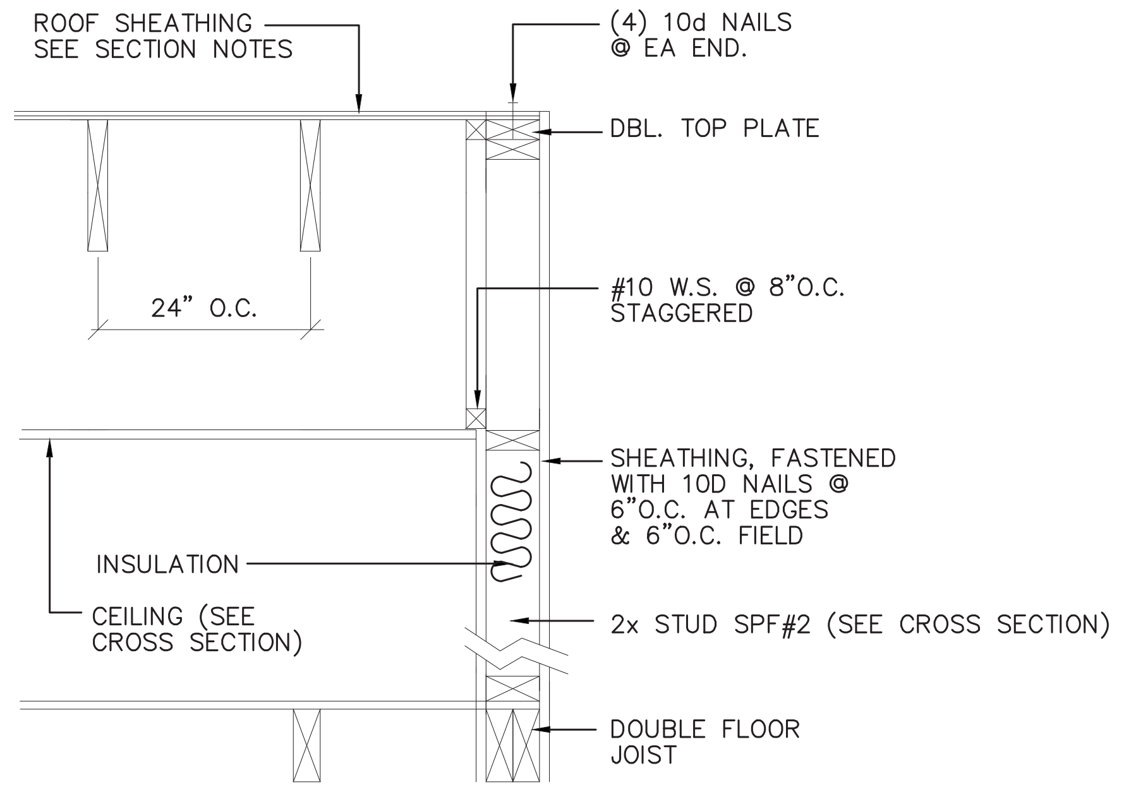
FLOOR – AS NOTED FLOOR PLAN

NOTE: INTERIOR FINISHES SHALL BE CLASS 'C' OR BETTER.

EXTERIOR FINISH MATERIAL:

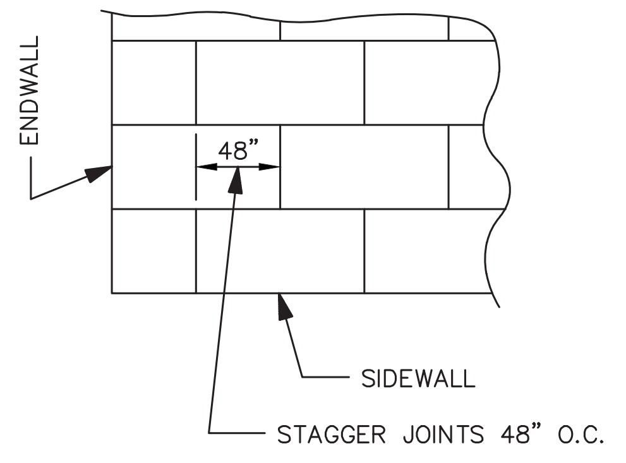
ROOF – .45 WHITE RUBBER ROOF COVERING (EPDM) INSTALLED OVER FR DECK PANEL 'C' INSTALLED PER MANUFACTURES SPECIFICATIONS.

WALL – 5/16 INCH HARDI-PANEL (T1-11) OVER APPROVED MOISTURE BARRIER.
* MAY BE USED AS A BRACING MATERIAL, FASTEN SIDING PER SPECIFICATIONS GIVEN ABOVE FOR 3/8 INCH APA RATED SIDING EXTERIOR.



WALL DETAIL

NTS



7/16" FR DECK PANEL "C" TO BE FASTENED TO TRUSSES W/ 8D NAILS @ 6" O.C. EDGES AND 12" O.C. IN FIELD

ROOF SHEATHING DETAIL

APPROVED TRUSS DESIGN:

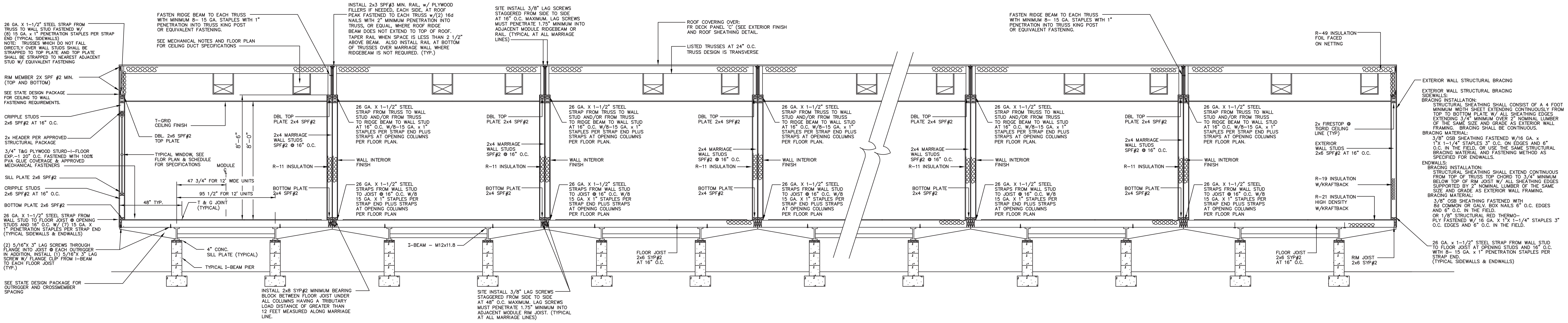
TRUSS MANUFACTURER: UNIVERSAL

TRUSS DRAWING. # F138406

REV.	REVISION DATE	BY

NOTES:

Sustainable Modular Management



EXTERIOR WALL STRUCTURAL BRACING
SIDEWALLS:
BRACING INSTALLATION:
STRUCTURAL SHEATHING SHALL CONSIST OF A 4 FOOT MINIMUM WIDTH SHEET EXTENDING CONTINUOUSLY FROM TOP TO BOTTOM PLATE W/ ALL SHEATHING EDGES EXTENDING 3/4" MINIMUM OVER 2" NOMINAL LUMBER OF THE SAME SIZE AND GRADE AS EXTERIOR WALL FRAMING. BRACING SHALL BE CONTINUOUS.
BRACING MATERIAL:
3/8" OSB SHEATHING FASTENED W/16 GA. x 1"X 1-1/4" STAPLES 3" O.C. ON EDGES AND 6" O.C. IN THE FIELD, OR USE THE SAME STRUCTURAL BRACING MATERIAL AND FASTENING METHOD AS SPECIFIED FOR ENDWALLS.
ENDWALLS:
BRACING INSTALLATION:
STRUCTURAL SHEATHING SHALL EXTEND CONTINUOUS FROM TOP OF TRUSS TOP CHORD TO 3/4" MINIMUM BELOW TOP OF RIM JOIST W/ ALL SHEATHING EDGES SUPPORTED BY 2" NOMINAL LUMBER OF THE SAME SIZE AND GRADE AS EXTERIOR WALL FRAMING.
BRACING MATERIAL:
3/8" OSB SHEATHING FASTENED WITH 8d COMMON OR GALV. BOX NAILS 6" O.C. EDGES AND 6" O.C. IN THE FIELD.
OR 1/8" STRUCTURAL RED THERMO-PLY FASTENED W/ 16 GA. X 1"X 1-1/4" STAPLES 3" O.C. EDGES AND 6" O.C. IN THE FIELD.

26 GA. x 1-1/2" STEEL STRAP FROM WALL STUD TO FLOOR JOIST AT OPENING STUDS AND 16" O.C. WITH 8- 15 GA. x 1" PENETRATION STAPLES PER STRAP END.
(TYPICAL SIDEWALLS & ENDWALLS)

SECTOR 14 A-I
CROSS SECTION
60 x 108 BUSINESS

MANUFACTURER:

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

RIDGE BEAM CONSTRUCTION:

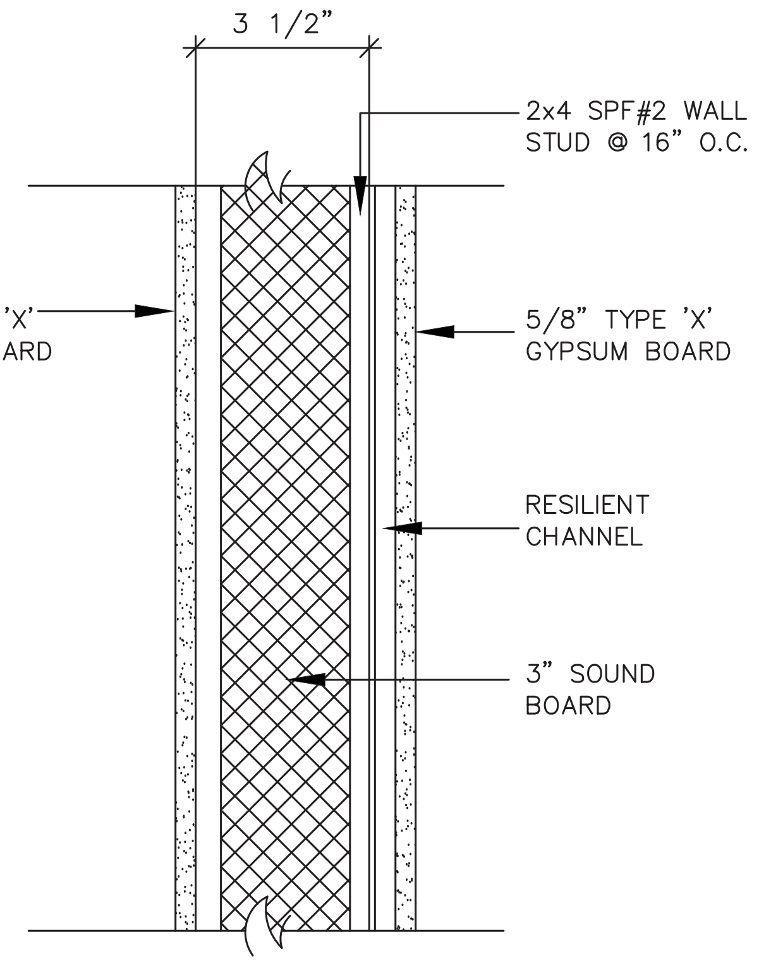
4 LAYERS 3/4"X 24" PLYWOOD, RATED SHEATHING, EXP.-1, STRUCT.-1, 5 PLY/5 LAYER, 48/24 EACH HALF CONTINUOUS ENTIRE LENGTH OF BUILDING.

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.



INTERIOR WALL SECTION
SCALE: 2" = 1'-0"

APPROVED RADCO Aug 08, 2011 APPROVED

DATE:	7-28-11
DRAWN BY:	S.L.H.
SCALE:	3/16"=1'-0"
JOB NO:	SSI3959 A-I
LABLES:	RADCO
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CONSULTING ENGINEER

JAMES BRADLEY, P.E.
212 FOX TRAIL
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