

MODULAR PLANS DESIGN, CO.

1074 S. FLORIDA AVENUE
SUITE 201
LAKELAND, FLORIDA 33803
(863) 688 - 1054

MODULAR STRUCTURE FOR: Mobile-Modular



STRUCTURAL LOAD LIMITATIONS	
DESIGN CODES	2010 FLORIDA BUILDING CODE ASCE 7-05 CODE
BUILDING DEAD LOADS	A. ROOF = 10 PSF B. FLOOR = 10 PSF C. WALLS = 5 PSF
BUILDING LIVE LOADS	A. ROOF = 30 PSF B. FLOOR = 40 PSF
CONCENTRATED LOAD:	
ROOF SNOW LOAD:	NA
WIND LOAD CRITERIA	1. 140 V-MPH / 150 V-MPH (HVHZ) WIND SPEED 2. W = 1.15 WIND IMPORTANCE FACTOR 3. II BUILDING CATEGORY 4. ENCLASURE CLASSIFICATION: ENCLOSED GCF = 0.15 INTERNAL PRESSURE COEFFICIENT 5. C EXPOSURE FACTOR 6. COMPONENT & CLADDING LOAD: [ROOF] P ₁ = -38.2 PSF (ZONE 1), -51.2 PSF (ZONE 2), -61.8 PSF (ZONE 3) [WALL] P ₁ = -43.9 PSF (ZONE 4), P ₂ = -64.3 PSF (ZONE 5)
7 ENCLOSED BUILDING ENCLASURE CLASSIFICATION	
8. THIS BUILDING IS NOT DESIGNED FOR PLACEMENT ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 16 FEET IN HEIGHT	
SEISMIC LOAD: NA	
FLOOD LOAD: THIS BUILDING IS NOT DESIGNED TO BE SUBMERGED OR SUBJECTED TO WAVE ACTION WHEN LOCATED IN A FLOOD PRONE OR ZONE AREA. FRESH FLOOR ELEVATION MUST BE LOCATED ABOVE THE BUILDING SITE FLOOD PLANE LEVEL.	

SITE INSTALLED NOTES.	
NOTE THAT THIS LIST DOES NOT NECESSARILY LIMIT THE ITEMS OF WORK AND MATERIALS THAT MAY BE REQUIRED FOR A COMPLETE INSTALLATION. ALL SITE RELATED ITEMS ARE SUBJECT TO LOCAL JURISDICTION AND APPROVAL.	
THE COMPLETE FOUNDATION SUPPORT AND THE DOWN SYSTEM, RAMP, STAIRS AND GENERAL ACCESS TO THE BUILDING.	
1. PORTABLE FIRE EXTINGUISHERS (5)	
4. DRINKING FOUNTAIN, BUILDING DRAINS, CLEAN-OUTS, AND HOOK-UP TO PLUMBING SYSTEM.	
6. ELECTRICAL SERVICE HOOK-UP (INCLUDING FEEDERS) TO THE BUILDING.	
8. THE MAIN ELECTRICAL PANEL AND SUB-FEEDERS (MULTI-UNITS ONLY)	
9. CONNECTION OF ELECTRICAL CIRCUITS CROSSING OVER MODULE MATING LINES (S) (MULTI-UNITS ONLY)	
10. STRUCTURAL AND AESTHETIC INTERSECTIONS BETWEEN WINDOW AND DOOR HIGH WIND STORM COVERINGS PER CODE.	
11. OUTER AND DOWNSPUTS (IF APPLICABLE)	
12. SINK AND CABINETS	
13. FIRE ALARM SYSTEM WIRING, ETC. IF REQUIRED	
14. THERMAL EXPANSION DEVICE IF REQUIRED.	
DRAWING INDEX:	
101	COVER SHEET
ORIGINAL BUILDING PLANS (13 SHEETS)	
A1	FLOOR PLAN
A1.1	CEILING
A1.2	NEW ELECTRICAL PLAN
A2	NEW ELEVATIONS
A3	ROOF PLAN

ELEVATION NOTES (TYP)	
1)	SEE CROSS SECTION FOR METHOD OF ROOF VENTILATION
2)	HANDICAP RAMPS, STAIRS (S), AND HANDRAILS ARE TO BE DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION AND APPROVAL.
3)	FOUNDATION ENCLASURE (WHEN PROVIDED) MUST HAVE 1 SQUARE FOOT NET VENT AREA PER 171 V-MPH OF THE FLOOR AREA AND AN 18" X 24" MINIMUM CRAWL SPACE ACCESS, SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION AND APPROVAL.

MECHANICAL NOTES	
1.	ALL SUPPLY AIR REGISTERS SHALL BE 10 INCHES X 10 INCHES ADJUSTABLE w/ 10 INCHES X 20 INCHES (INSIDE) OVERHEAD FIBERGLASS DUCT, UNLESS OTHERWISE SPECIFIED. DUCTS LOCATED IN VENTILATED ATTIC SPACES SHALL HAVE AN R-8 INSULATION VALUE. DUCTS LOCATED IN UNCONDITIONED INTERIOR SPACE, INTERIOR SPACES SHALL HAVE AN R-4.2 INSULATION VALUE.
2.	RESTROOM VENT FANS SHALL PROVIDE 50 CFM MINIMUM PER WATER CLOSET AND / OR URINAL.
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 INTAKES PROVIDING 20 CFM FOR EACH OCCUPANT OR 50 CFM FOR EACH WATER HEATER CLOSET AND EACH URINAL, WHICH EVER IS GREATER.
PLUMBING NOTES	
1.	CUSTOMER ASSUMES ALL RESPONSIBILITY FOR DRINKING WATER FACILITIES AND SERVICE SINK WHEN NOT SHOWN ON THE FLOOR PLAN.
2.	TOILETS SHALL BE ELONGATED WITH NON-ABSORBENT OPEN FRONT SEAT
3.	RESTROOM WALLS SHALL BE COVERED WITH NON-ABSORBENT MATERIAL TO A MINIMUM HEIGHT OF 48 INCHES A.F.F.
4.	ALL PLUMBING FIXTURES SHALL HAVE SEPARATE SHUT-OFF VALVES.
5.	WATER HEATER SHALL HAVE BAFTY 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 POLYBUTYLENE, CPVC, OR COPPER, WHEN POLYBUTYLENE SUPPLY LINES ARE INSTALLED THE MAXIMUM WATER HEATER TEMPERATURE SETTING IS 160° F. THE POLYBUTYLENE PIPE 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.
10.	SUBJECT TO LOCAL JURISDICTION APPROVAL.
11.	SHOWERS SHALL BE CONTROLLED BY AN APPROVED MIXING VALVE WITH A MAXIMUM WATER OUTLET TEMPERATURE OF 107° F (42° C)
12.	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 JURISDICTION AND APPROVAL.

GENERAL NOTES.	
1.	ACCESS TO BUILDING FOR PERSONS IN WHEELCHAIRS IS DESIGNED BY AND FIELD BUILT BY OTHERS AND SUBJECT TO ALL LOCAL JURISDICTIONS. AT LEAST 50% OF PUBLIC ENTRANCES (INCLUDING 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 48 INCH ARC OF DOORS, WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR, AND ALL GLAZING IN DOORS SHALL BE BAFTY TEMPERED OR ACRYLIC PLASTIC SHEET
4.	FLOOR DESIGN LIVE LOAD: 100 PSF (LOBBIES & CORRIDORS) 60 PSF (REMAINDER)
5.	MAXIMUM WIND LOAD: SEE SCHEDULE CHART
6.	OCCUPANCY IS EDUCATION (PUBLIC)
7.	OCCUPANT LOAD: 43 PEOPLE (BASED ON 1 PERSON PER 20 SQUARE FEET OF AREA)
8.	CONSTRUCTION IS TYPE I-B
9.	ALL STEEL STRAPS REFERENCED SHALL BE TESTED/APPROVED WITH A FL. PRODUCT APPROVAL # OR IN ACCORDANCE WITH FL. STATUTE 893.042. METAL STUDS TO BE 16" O.C. (12" O.C. @ CORNERS)
10.	MIN. CORRIDOR WIDTH IS 44 INCHES
11.	MIN. CORRIDOR FINISH IS CLASS B (GYPSUM)
12.	WINDOW AND DOOR HIGH WIND STORM COVERINGS PER CODE TO BE SUPPLIED AND SITE INSTALLED BY OTHERS SUBJECT TO LOCAL JURISDICTION AND APPROVAL
13.	PLAN REVIEW AND INSPECTION REQUIRED BY CHAPTER 833 F.S. TO BE DONE BY THE LOCAL FIRE SAFETY INSPECTOR.
14.	PORTABLE FIRE EXTINGUISHER PER N.F.P.A. - 101 INSTALLED BY OTHERS ON SITE, AND SUBJECT TO LOCAL JURISDICTION AND APPROVAL.
15.	THIS BUILDING REQUIRES A FIRE SEPARATION DISTANCE IN ACCORDANCE WITH TABLE 902 OF THE 2010 FLORIDA BUILDING CODE.
16.	WHEN LOW SLOPE OF ROOF PROVIDES LESS THAN 6" OF OVERHANG GUTTERS AND DOWNSPOUTS WILL BE REQUIRED, SITE INSTALLED AND SUBJECT TO LOCAL JURISDICTION.
17.	IN WIND BORNE DEBRIS REGIONS, EXTERIOR GLAZING SHALL BE PROTECTED WITH AN IMPACT RESISTANT COVERING OR A MINIMUM 7/8" WOOD STRUCTURAL PANEL PER SECTION 1609.1.4 OF THE F.B.C. PANELS SHALL BE PRECUT TO COVER THE GLAZED OPENINGS WITH ATTACHMENT HARDWARE PROVIDED PER TABLE 1609.1.4 THE IMPACT RESISTANT COVERING ON WOOD STRUCTURAL PANELS ARE TO BE PROVIDED ON SITE BY THE BUILDING OWNER, SUBJECT TO LOCAL JURISDICTION AND APPROVAL. WIND BORNE DEBRIS REGIONS ARE AREAS WITHIN ONE MILE OF THE COASTAL MEAN HIGH WATER LINE WHERE THE BASIC WIND SPEED IS 110 MPH OR GREATER AND AREAS WHERE THE BASIC WIND SPEED IS 90 MPH OR GREATER.
18.	ALL MATERIALS USED IN THE CONSTRUCTION OF THE BUILDING WHICH ARE COVERED BY THE FLORIDA BUILDING COMMISSION CHAPTER 6072 RULES SHALL HAVE CURRENT FLORIDA PRODUCT APPROVAL.
19.	THESE PLANS COMPLY WITH THE 2010 EXISTING BUILDING CODE.
20.	THE RAISED SEAL SET OF PLANS ARE ON FILE IN THE THIRD PARTY AGENCY'S OFFICE AS DIRECTED BY DPBR.
21.	EMERGENCY LIGHTING SHALL BE CAPABLE OF PROVIDING INITIAL ILLUMINATION THAT IS AT LEAST AN AVERAGE OF 1 FOOT-CANDLE AND A MIN. OF 1 FD MEASURED ALONG THE EGRESS AT THE FLOOR LEVEL. ILLUMINATION LEVELS SHALL BE PERMITTED TO DECLINE TO 0.6 C AVERAGE AND A MINIMUM AT ANY POINT OF .06 FC AT THE END OF THE EGRESS LIGHT TRAIL. THE DURATION, A MAXIMUM TO MINIMUM ILLUMINATION UNIFORMITY RATIO OF 40 TO 1 SHALL NOT BE EXCEEDED. THE EMERGENCY POWER SYSTEM SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES.
ELECTRICAL NOTES:	
1.	ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES OF THE NATIONAL ELECTRICAL CODES (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 8 INCHES FROM "STORAGE AREA" AS DEFINED BY NEC 410-8.1 (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 LINES(S) SHALL BE SITE CONNECTED WITH APPROVED ACCESSIBLE JUNCTION BOXES OR CABLE CONNECTORS.
8.	REFERENCE STATE APPROVED PACKAGE FOR ELECTRICAL RISER DIAGRAM.
9.	EXTERIOR LIGHTS NOT INTENDED FOR 24 HOUR USE AND SHALL BE CONNECTED TO A PHOTOCELL OR TIMER.
10.	ALL RECEPTACLES INSTALLED IN WET LOCATIONS (EXTERIOR) SHALL BE IN WEATHER PROOF (W.P.) ENCLOSURES. THE INTEGRITY OF WHICH IS NOT AFFECTED WHEN AN ATTACHMENT PLUG CAP IS INSERTED OR REMOVED.
11.	WHEN NOT SHOWN ON THE PLANS PROVISIONS FOR EXIT DISCHARGE LIGHTING (INCLUDING EXIT DISCHARGE EMERGENCY LIGHTING) ARE DESIGNED BY OTHERS AND THE RESPONSIBILITY OF THE BUILDING OWNER AND SUBJECT TO LOCAL JURISDICTION APPROVAL.

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 38 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 IN BENDING.
3.	WHERE STORAGE FACILITIES SUCH AS CABINETS, SHELVES, CLOSETS, AND DRAWERS ARE PROVIDED AT LEAST ONE OF EACH 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 WITHIN 19 INCHES MINIMUM AND 48 INCHES MAXIMUM OFF THE FLOOR FOR FORWARD REACH OR 9 INCHES MINIMUM AND 48 INCHES MAXIMUM OF THE FLOOR FOR SIDE REACH. CLOSET ROBS SHALL BE A MINIMUM OF 34 INCHES ABOVE THE FLOOR (48 INCHES MAXIMUM WHEN DISTANCE FROM WHEELCHAIR TO ROBS EXCEEDS 10 INCHES).
4.	CONTROLS, DISPENSERS, RECEPTACLES AND OTHER OPERABLE EQUIPMENT SHALL BE LOCATED BETWEEN 15" - 48" ABOVE THE FLOOR. THIS RANGE WILL COMPLY FOR ADULTS. USE TABLE 308.1 FOR CHILDREN. RECEPTACLES ON WALLS SHALL BE MOUNTED NO LESS THAN 18 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 PROVIDED, THEY SHALL INCLUDE BOTH AUDIBLE AND VISUAL ALARMS. THE VISUAL ALARMS SHALL BE LOCATED THROUGHOUT, INCLUDING RESTROOMS, AND PLACED 60 INCHES ABOVE THE FLOOR OR 8 INCHES BELOW CEILING, WHICHEVER IS LOWER.
6.	DOORS TO ALL ACCESSIBLE SPACES SHALL HAVE ACCESSIBLE HARDWARE (i.e. LEVER - OPERATED, PUSH TYPE, U SHAPED) MOUNTED NO HIGHER THAN 48 INCHES ABOVE THE FLOOR.
7.	ALL DOORS SHALL BE OPENABLE BY A SINGLE EFFORT. THE MAXIMUM FORCE REQUIRED TO OPEN A DOOR SHALL NOT EXCEED 8.5 LBS. FOR EXTERIOR BIFOLDING DOORS AND 5 LBS. FOR ALL SLIDING, FOLDING, AND INTERIOR SWINGING DOORS.
8.	FLOOR SURFACES SHALL BE STABLE, FIRM, AND SLIP-RESISTANT. CHANGES IN LEVEL BETWEEN 0.25 INCHES AND 0.5 INCH SHALL BE BEVELLED WITH A SLOPE NO GREATER THAN 1:2. CHANGES IN LEVEL GREATER THAN 0.5 INCH REQUIRE RAMP, CARPET TILE THICKNESS SHALL BE 0.5 INCH MAX. GRATING 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.
9.	ACCESSIBLE WATER CLOSETS SHALL BE 18 INCHES FROM THE FLOOR TO THE TOP OF THE SEAT. GRAB BARS SHALL BE 30 INCHES LONG MINIMUM WHEN LOCATED BEHIND THE WATER CLOSET AND 42 INCHES MINIMUM WHEN LOCATED ALONG THE SIDE OF THE WATER CLOSET AND SHALL BE MOUNTED 33" MIN. & 34" MAX. FROM FLOOR TO THE TOP OF THE BAR.
10.	ACCESSIBLE URINALS SHALL BE STALL-TYPE OR WALL MOUNT WITH ELONGATED RIMS AT A MAXIMUM OF 17 INCHES ABOVE THE FLOOR.
11.	ACCESSIBLE LAVATORIES SHALL BE MOUNTED WITH THE RIM NO HIGHER THAN 34 INCHES ABOVE THE FLOOR AND A CLEARANCE OF AT LEAST 28 INCHES ABOVE THE FLOOR TO THE BOTTOM OF THE APRON.
12.	ACCESSIBLE SINKS SHALL BE MOUNTED WITH RIM NO HIGHER THAN 34 INCHES ABOVE THE FLOOR AND A CLEARANCE OF AT LEAST 27 INCHES HIGH, 30 INCHES WIDE, AND 10 INCHES DEEP UNDERNEAT SINK. THE SINK DEPTH SHALL BE 8.5 INCHES MAXIMUM.
13.	HOT WATER AND DRAIN PIPES UNDER ACCESSIBLE LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT CONTACT. INSULATION OR PROTECTION MATERIAL MAY BE SITE INSTALLED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER ACCESSIBLE LAVATORIES AND SINKS.
14.	ACCESSIBLE LAVATORIES AND SINKS SHALL HAVE ACCESSIBLE FAUCETS (i.e. LEVER-OPERATED, PUSH-TYPE, ELECTRONICALLY CONTROLLED).
15.	WHERE MIRRORS ARE PROVIDED IN RESTROOM, AT LEAST ONE SHALL BE PROVIDED WITH ITS BOTTOM EDGE NO HIGHER THAN 40 INCHES ABOVE THE FLOOR.
16.	WHERE MEDICINE CABINETS ARE PROVIDED, AT LEAST ONE SHALL BE LOCATED WITH A USABLE SHELF NO HIGHER THAN 44 INCHES ABOVE THE FLOOR.
17.	GRAB BARS REQUIRED FOR ACCESSIBILITY SHALL BE 1.25 INCHES TO 1.5 INCHES IN DIAMETER WITH 1.5 INCHES CLEAR SPACE BETWEEN THE BAR AND THE WALL.
18.	TOILET STALL DOORS SHALL BE THE SELF-CLOSING TYPE.
19.	A TOWEL DISPENSER SHALL BE LOCATED ADJACENT TO ALL ACCESSIBLE LAVATORIES.
20.	WATER CLOSET FLUSH CONTROL SHALL BE MOUNTED ON THE WIDE SIDE OF THE CLOSET

ADDITIONAL PROJECT INFORMATION	
-BUILDING IS TO BE RECERTIFIED.	
-ORIGINAL PLAN TRACKING# 03071.43	
-SCOPE OF WORK:	
NEW FLOOR COVERING	
INSTALL (2) NEW WINDOWS	
INSTALL (2) NEW EXTERIOR DOORS	
UPGRADE FLOOR INSULATION	
INSTALL S.I.P. PANELS AS NEW SIDING	
REMOVE EXISTING FLOOR DECKING & INSTALL NEW DECKING (STRUCTURE)	
UPGRADE 36" LENGTH EXTERIOR WALL TO A 1 HOUR RATING.	
ADD CRICKETS TO ROOF TO AID DRAINAGE	
-COMPLIANCE METHOD:	
-PRESCRIPTIVE COMPLIANCE METHOD	
-WORK CLASSIFICATION LEVEL	
AL TERATION LEVEL 2	
ADDITIONAL 3rd PARTY INFORMATION:	
A SIGNED/SEALED SET OF PLANS IS MAINTAINED ON FILE IN THE 3rd PARTY AGENCY OFFICE	
THESE PLANS COMPLY WITH FLORIDA PRODUCT APPROVAL RULE 9N-3 (FAC).	

NOTE.	
MINIMUM PLUMBING FACILITIES TO BE PROVIDED IN ACCORDANCE WITH FBC 403.4.1 AND SUBJECT TO THE APPROVAL BY THE LOCAL AUTHORITY HAVING JURISDICTION	
NOTE.	
THE FLOOR AND ROOF DESIGN OF THIS PLAN IS "LIGHT-FRAME TRUSS TYPE CONSTRUCTION" AS REFERENCED IN F.A.C. RULE 69A-3.012. POSTING OF NOTICE SIGN(S) AS REQUIRED BY F.A.C. RULE 69A-3.012(B) SHALL BE SITE INSTALLED AND IS THE RESPONSIBILITY OF THE BUILDING OWNER	
NOTE.	
PLEASE REFERENCE WIND MAP 1609B OF THE 2010 FLORIDA BUILDING CODE FOR ALLOWABLE SITE PLACEMENT	

SERIAL #'S:	
10746AB	
10939AB	
10939AB	
10940AB	
10941AB	

*** NOTICE ***
PLEASE REVIEW PLANS COMPLETELY. ANY COMPONENTS CROSSING MATE. LINES WILL BE SITE INSTALLED BY SET UP CREW.

DCA FIRE PLAN REVIEW
Pursuant to FAC 63A-60.006(4)(e)
a plan review of CAA# 1030.07R-1
found items that are indicated to be installed for compliance with the Florida Fire Prevention Code in the Factory () yes (X) no
on site by others () yes (X) no
An inspection pursuant to SS 639.083(1) is required.
Reviewed by John J. Jones, R. 42373
Date: July 14, 2012

REVISION DATE:		DATE:	
		04-20-2012	
		DRAWN	R.C.S.
		JOB #:	CONVERSION
		SHEET NO.	C1

MODULAR PLANS DESIGN, CO.
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M P D Company
 CONSTRUCTION SERVICES

MODULAR STRUCTURE FOR:
Mobile-Modular
 (24' X 36')

CAA# 1030.07R-1 #7# 27768-1

2001 FLORIDA BUILDING CODE, CHAPTER 11. ACCESSIBILITY STANDARDS/AD/ANSI/A117.1/FACBC.

- THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN SHALL BE DISPLAYED AT ALL ACCESSIBLE REST ROOM 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.
- 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 IN BENDING.
- WHERE STORAGE FACILITIES SUCH AS CABINETS, SHELVES, CLOSETS, AND DRAWERS ARE PROVIDED AT LEAST ONE OF EACH 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 WITHIN 15 INCHES MINIMUM AND 48 INCHES MAXIMUM OF THE FLOOR FOR FORWARD REACH OR 9 INCHES MINIMUM AND 54 INCHES MAXIMUM OF THE FLOOR FOR SIDE REACH; CLOTHES RODS SHALL BE A MAXIMUM OF 54 INCHES ABOVE THE FLOOR (48 INCHES MAXIMUM WHEN DISTANCE FROM WHEELCHAIR TO ROD EXCEEDS 10 INCHES).
- CONTROLS, DISPENSERS, RECEPTACLES, AND OTHER OPERABLE EQUIPMENT SHALL BE NO HIGHER THAN 45 INCHES ABOVE THE FLOOR FOR FRONT APPROACH OR 54 INCHES ABOVE THE FLOOR FOR SIDE APPROACH 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.
- WHERE EMERGENCY WARNING SYSTEMS ARE PROVIDED, THEY SHALL INCLUDE BOTH AUDIBLE AND VISUAL ALARMS. THE VISUAL ALARMS SHALL BE LOCATED THROUGHOUT, INCLUDING RESTROOMS, AND PLACED 80 INCHES ABOVE THE FLOOR OR 6 INCHES BELOW CEILING, WHICHEVER IS LOWER.
- DOORS TO ALL ACCESSIBLE SPACES SHALL HAVE ACCESSIBLE HARDWARE (i.e. LEVER OPERATED, PUSH-TYPE, U-SHAPED) MOUNTED NO HIGHER THAN 48 INCHES ABOVE THE FLOOR.
- 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 INCH 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.
- ALL DOORS SHALL BE OPERABLE BY A SINGLE EFFORT. THE MAXIMUM FORCE TO OPEN A DOOR SHALL NOT EXCEED 8.5 POUNDS FOR EXTERIOR SWINGING DOORS AND 5.0 POUNDS FOR ALL SLIDING, FOLDING, AND INTERIOR SWINGING DOORS.
- ACCESSIBLE WATER CLOSETS SHALL BE 17-19 INCHES FROM THE FLOOR TO THE TOP OF THE SEAT. GRAB BARS SHALL BE 36" LONG MINIMUM WHEN LOCATED BEHIND THE WATER CLOSET AND 42 INCHES MINIMUM WHEN LOCATED ALONG SIDE OF THE WATER CLOSET AND SHALL BE MOUNTED 33-36 INCHES FROM THE FLOOR TO THE CENTERLINE OF THE RAIL.
- ACCESSIBLE URINALS SHALL BE STALL-TYPE OR WALL HUNG WITH ELONGATED RIMS AT A MAXIMUM OF 17 INCHES ABOVE THE FLOOR.
- ACCESSIBLE LAVATORIES SHALL BE MOUNTED WITH THE RIM NO HIGHER THAN 34 INCHES ABOVE THE FLOOR AND A CLEARANCE OF AT LEAST 29 INCHES ABOVE THE FLOOR TO THE BOTTOM OF THE APRON.
- ACCESSIBLE SINKS SHALL BE MOUNTED WITH THE RIM NO HIGHER THAN 34 INCHES ABOVE THE FLOOR AND A CLEARANCE OF AT LEAST 27 INCHES HIGH, 30 INCHES WIDE, AND 19 INCHES DEEP UNDERNEATH THE SINK. THE SINK DEPTH SHALL BE 6.5 INCHES MAXIMUM.
- HOT WATER AND DRAIN PIPES UNDERNEATH ACCESSIBLE LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER ACCESSIBLE LAVATORIES AND SINKS.
- ACCESSIBLE LAVATORIES AND SINKS SHALL HAVE ACCESSIBLE FAUCETS (i.e. LEVER OPERATED, PUSH-TYPE, ELECTRONICALLY CONTROLLED.)
- WHERE MIRRORS ARE PROVIDED IN RESTROOMS, AT LEAST ONE (1) SHALL BE PROVIDED WITH ITS BOTTOM EDGE NO HIGHER THAN 40 INCHES ABOVE THE FLOOR.
- WHERE MEDICINE CABINETS ARE PROVIDED, AT LEAST ONE SHALL BE LOCATED WITH A USABLE SHELF NO HIGHER THAN 44 INCHES ABOVE THE FLOOR.
- GRAB BARS REQUIRED FOR ACCESSIBILITY SHALL BE 1.25 INCHES TO 1.50 INCHES IN DIAMETER WITH 1.5 INCHES CLEAR SPACE BETWEEN THE BAR AND THE WALL.
- TOILET STALL DOORS SHALL BE SELF CLOSING TYPE.
- A TOWEL DISPENSER SHALL BE LOCATED ADJACENT TO ALL ACCESSIBLE LAVATORIES.

ELECTRICAL NOTES: 2002 N.E.C

- ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES OF THE NATIONAL ELECTRICAL CODE (NEC).
- 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).
- 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.
- 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 IS ALSO PROVIDED BY A READILY ACCESSIBLE CIRCUIT BREAKER.
- 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.
- THE MAIN ELECTRICAL PANEL AND FEEDERS ARE DESIGNED BY OTHERS, SITE INSTALLED AND SUBJECT TO LOCAL JURISDICTION APPROVAL.
- ALL CIRCUITS CROSSING OVER MODULE MATHING LINE(S) SHALL BE SITE CONNECTED WITHIN APPROVED ACCESSIBLE JUNCTION BOXES, OR CABLE CONNECTION.
- OUTSIDE AND INSIDE WET AND DRY BULB DESIGN MUST COMPLY WITH WEATHER CONDITIONS.

GENERAL NOTES 2001 F.B.C.

- ACCESS TO BUILDING FOR PERSONS IN WHEELCHAIRS ARE DESIGNED BY OTHERS AND SUBJECT TO LOCAL JURISDICTION. THE PRIMARY ENTRANCE AND REQUIRED EXITS MUST BE ACCESSIBLE.
- ALL DOORS SHALL BE OPERABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY, TOOL, SPECIAL KNOWLEDGE OR EFFORT. MANUAL OPERATED FLUSH BOLTS OR SURFACE BOLTS SHALL NOT BE USED. WITH THE EXCEPTION OF THE MAIN EXTERIOR EXIT A KEY LOCKING DEVICE MAY BE USED FROM THE EGRESS SIDE ON THE MAIN EXTERIOR EXIT DOORS ON GROUP B OCCUPANCIES SUBJECT TO THE FOLLOWING:
 - THERE IS A READILY VISIBLE SIGN ON OR ADJACENT TO THE DOOR STATING: THIS EXIT TO REMAIN UNLOCKED WHEN THIS BUILDING IS OCCUPIED. THE SIGN SHALL BE IN LETTERS NO LESS THAN 1" HIGH ON A CONTRASTING BACKGROUND.
 - THE LOCKING DEVICE MUST BE OF A TYPE THAT WILL BE READILY DISTINGUISHABLE AS LOCKED.
 - THE MAIN EXTERIOR DOOR IS A SINGLE DOOR OR ONE PAIR OF DOORS.
 - WHEN UNLOCKED, THE DOOR OR BOTH LEAVES OF THE PAIR MUST BE FREE. THE USE OF THE KEY LOCKING DEVICE MAY BE REVOKED BY THE BUILDING OFFICIAL FOR DUE CAUSE.
- ALL GLAZING WITHIN A 48 INCH ARC OF DOORS, WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR, AND ALL GLAZING IN DOORS SHALL HAVE SAFETY, TEMPERED, OR ACRYLIC PLASTIC SHEET.
- MINIMUM CORRIDOR WIDTH IS 72" -n/a
- MINIMUM INTERIOR FINISH IS CLASS B (GYP/SUM).
- PORTABLE FIRE EXTINGUISHER PER N.F.P.A.-10, INSTALLED BY OTHERS ON SITE, AND SUBJECT TO LOCAL JURISDICTION.
- STATE LABELS & DATA PLATE ARE LOCATED INSIDE ELECTRICAL PANEL BOX COVER.
- MAXIMUM WIND SPEED - 140 MPH
- SEISMIC PERFORMANCE CATEGORY - N/A
- OCCUPANCY IS EDUCATION-
- FLOOR DESIGN LIVE LOAD - 40 PSF
- OCCUPANT LOAD IS BASED UPON 1 PERSON PER 20 SQUARE FEET OF FLOOR AREA.

PLUMBING NOTES: 2001 F.P.C.

- CUSTOMER ASSUMES ALL RESPONSIBILITY FOR DRINKING WATER FACILITIES WHEN NOT SHOWN ON FLOOR PLAN.
- THE USE OF THIS BUILDING WITHOUT PLUMBING FACILITIES (ALL OR PARTIAL) IS SUBJECT TO THE LOCAL SCHOOL BOARD APPROVAL.

SYMBOLS

	RECESSED FLUORESCENT FIXTURE W/ (2) 34 WATT BULBS	
	FLUORESCENT FIXTURE W/ (2) 34 WATT BULBS	
	RECESSED FLUORESCENT FIXTURE W/ (4) 34 WATT BULBS	
	FLUORESCENT FIXTURE W/ (4) 34 WATT BULBS	
	FLUORESCENT FIXTURE W/ EMERGENCY BALLAST	
	ELECTRICAL PANEL 120/240V SGL. PH.	
	EXIT SIGN	
	EXIT SIGN W/ BATTERY BACK-UP	
	LOW PRESSURE SODIUM LIGHT	
	EMERGENCY LIGHT W/ BATTERY BACK-UP	
	FLOOR LIGHT W/ (2) 80 WATT BULBS	
	CLOCK RECEPTACLE 120V 1φ	
	PHOTO CELL	
	RECESSED (EYEBALL) FIXT. W/ (1) INCANDESCENT 40 WATT BULB	

PROJECT HISTORY

12/06/03
07/07/04

CLASSROOM TYPE IV
SEM SERIAL # A/B
GENERAL NOTES

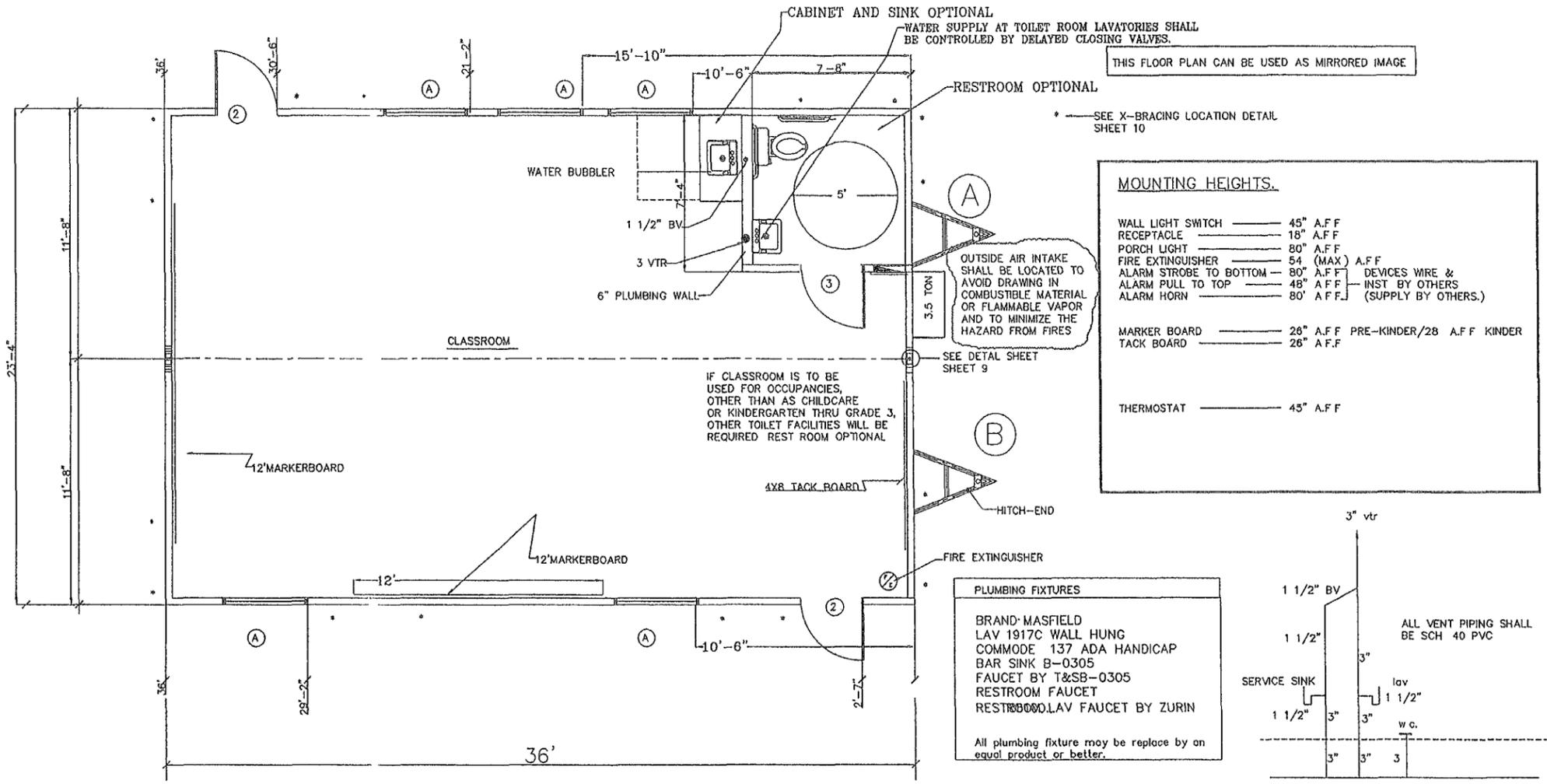
Southeast Modular Manufacturing
 2500 INDUSTRIAL STREET
 LEESBURG, FLORIDA 34748

William J. McCann, P.E.
 Consulting Engineer
 1563 Turner Street
 Clearwater Fl. 33756
 Florida P.E. License #50252

CODES: FACBC-2001 FMC-2001
 FBC-2001 NFPA-101, 2000 FPC-2001
 NEC-2002
 LABELS: HWC

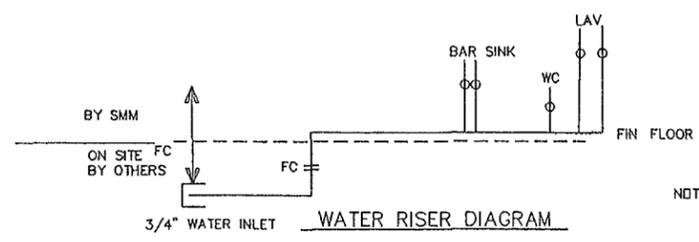
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CHECKED BY: WJM
DATE:
SCALE: 1/4"=1'0"
SERIAL# A/B
SHEET: 2
OF 12 SHEETS

PROJECT HISTORY



FLOOR PLAN
SCALE: 1/4" = 1'-0"

WHERE WATER PRESSURE WITHIN A BUILDING EXCEEDS 80 PSI AN APPROVED WATER PRESSURE REDUCING VALVE CONFORMING TO ASSE 1003 WITH STRAINER SHALL BE INSTALLED
F B C. PLUMBING 604.8
NEW POTABLE WATER SYSTEMS SHALL BE PURGED OF DELETERIOUS DISINFECTED PRIOR TO UTILIZATION
F B C. PLUMBING 610.



- NOTE
1. LINES ARE STUBBED DOWN THRU FLOOR CONNECTIONS BELOW MODULAR AND MATELINES TO BE SUPPLIED AND INSTALLED BY OTHERS.
 2. SUPPLY PIPING TO BE CPVC
 3. P.V.C. WASTE PIPING

NOTE: ALL WATER LINES ARE 3/4 inch UNLESS NOTED W/ ALL STUB UPS 1/2" SUPPLY LINE SIZING IS BASED ON AN ASSUMED AVAILABLE PRESSURE OF 46-60 PSI AT MAIN INLET AND SHOULD BE VERIFIED PRIOR TO INSTALLATION.

CLASSROOM TYPE IV
SEM SERIAL # A/B
FLOOR PLAN

Southeast Modular Manufacturing
2500 INDUSTRIAL STREET
LEESBURG, FLORIDA 34748

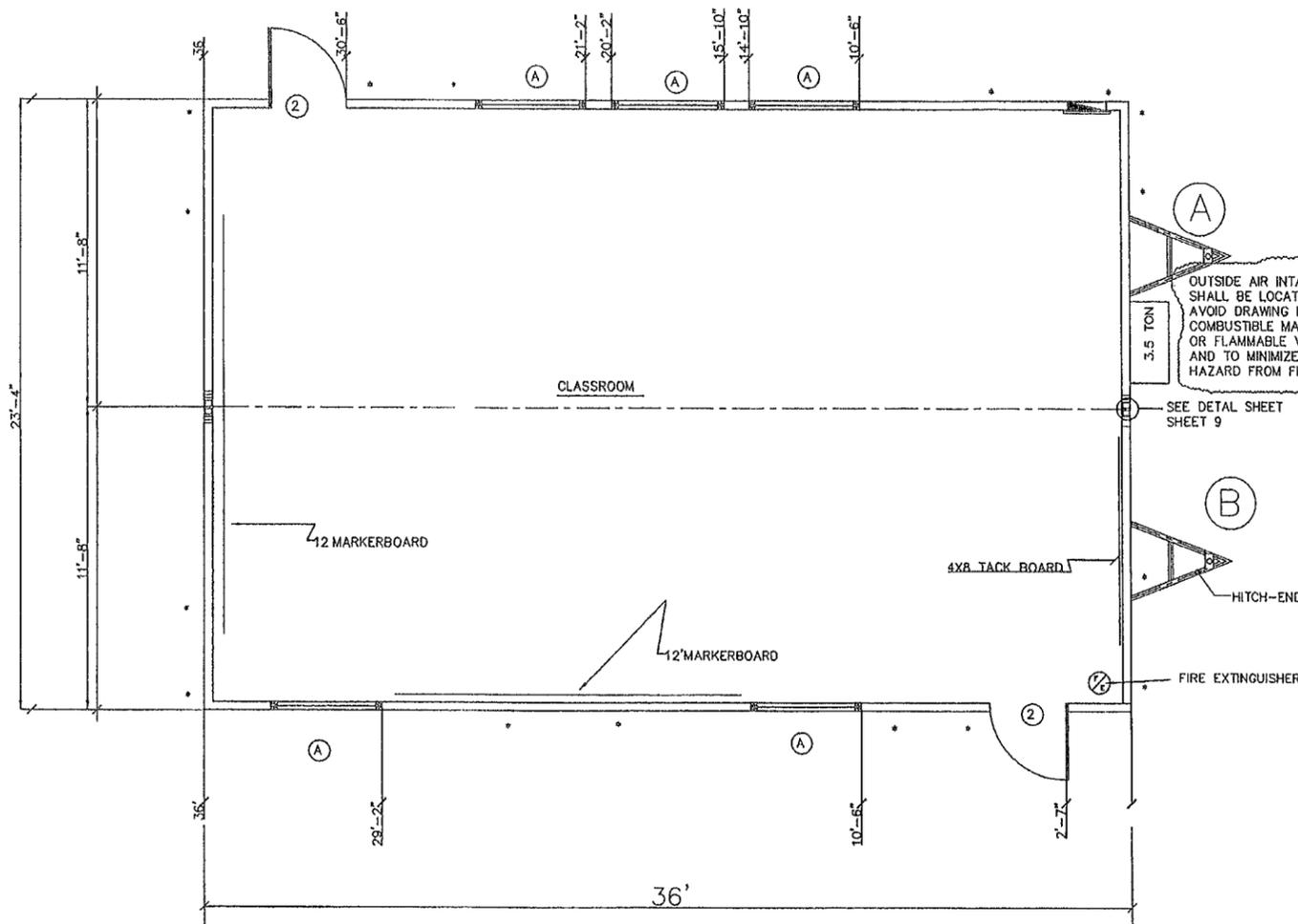
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HWC #1578-3802
SERIAL# A/B

William J. McCann, P.E.
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Clearwater FL 33756
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CODES: FACBC-2001
FBC-2001 FMC-2001
NFPA-101, 2000 FPC-2001
NEC-2002
LABELS: HWC

SHEET:
4
OF 12 SHEETS

NOTE:
ALL WINDOW AND DOOR HEADER HEIGHT SHALL BE THE SAME, 80" AFF



SEE X-BRACING LOCATION DETAIL SHEET 10

MOUNTING HEIGHTS.

WALL LIGHT SWITCH	45" A.F.F
RECEPTACLE	18" A.F.F
PORCH LIGHT	80" A.F.F
FIRE EXTINGUISHER	54" (MAX.) A.F.F
ALARM STROBE TO BOTTOM	80" A.F.F
ALARM PULL TO TOP	48" A.F.F
ALARM HORN	80" A.F.F
MARKER BOARD	26" A.F.F PRE-KINDER/28" A.F.F KINDER
TACK BOARD	26" A.F.F
THERMOSTAT	45" A.F.F

OUTSIDE AIR INTAKE SHALL BE LOCATED TO AVOID DRAWING IN COMBUSTIBLE MATERIAL OR FLAMMABLE VAPOR AND TO MINIMIZE THE HAZARD FROM FIRES

SEE DETAIL SHEET SHEET 9

HITCH-END

FIRE EXTINGUISHER

FLOOR PLAN
SCALE: 1/4" = 1'-0"

PROJECT HISTORY

12/08/03

CLASSROOM TYPE IV
SEM SERIAL # A/B DRY
FLOOR PLAN

Southeast Modular Manufacturing
2500 INDUSTRIAL STREET
LEESBURG, FLORIDA 34748

William J McCann, P.E.
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1563 Turner Street
Clearwater Fl 33756
Florida P.E. License#50252

DRAWN BY: JHD
CHECKED BY: WJM
DATE:
SCALE: 1/4"=1'0"

NOTE:
ALL WINDOW AND DOOR HEADER HEIGHT SHALL BE THE SAME, 80" AFF

CODES: FACBC-2001
FBC-2001 FMC-2001
NFPA-101, 2000 FPC-2001
NEC-2002
LABELS: HWC

SERIAL# A/B
SHEET
4 A
OF 12 SHEETS

LIGHTING DESCRIPTION

EMERGENCY LIGHT:
DC LAMP- Z-4 (3.6W 1-5)
277V/120V

EXIT LIGHT:
POLYCARBONATE LED EXIT SELF-POWERED. 120/277 VAC
SINGLE OR DOUBLE FACE W/ CANOPY RED LETTERS
NICKEL CADMIUM, WHITE HOUSING
232z

2 LAMP, 2'x4' FLANGED STATIC TROFFER
FP-232A-120V-LE3-U

FAN/LIGHT COMBO:
TYPE 1C, 15 AMP CIRCUIT
40WATT BULB.

SPECIAL NOTE

J-BOX CONDUIT SHALL BE STUBBED UP AND DOWN THRU CEILING

ELECTRICAL PANEL TO BE STUBBED THRU FLOOR

J-BOXES FOR ALARM SYSTEM SHALL STUBBED UP AND DOWN THRU FLOOR

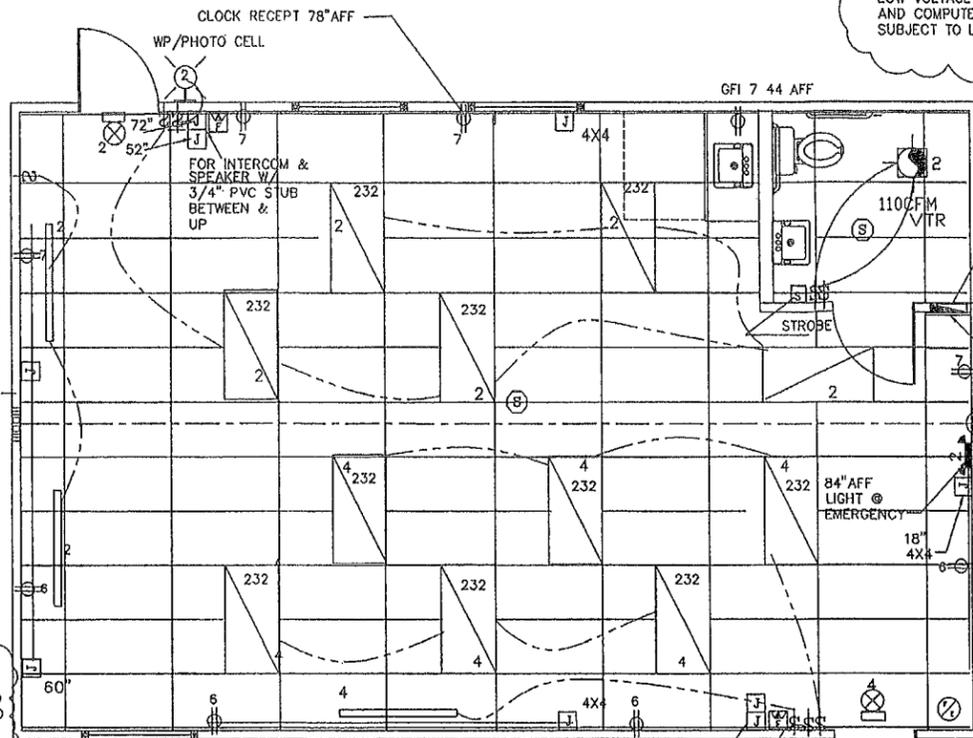
J-BOXES MUST CONTAIN WIRING AND COMPUTER TECHNOLOGY SUITABLE FOR THE PROGRAM TO BE HOUSED

CUSTOMER TO PROVIDE SURGE PROTECTION ON DATA, INTERCOM AND FIRE ALARM CIRCUITS

BUILDINGS WITHIN 60 FEET OF EACH OTHER SHALL HAVE A COMMON FIRE ALARM SYSTEM

LIGHTING AND POWER PANELS SHALL BE PROVIDED A MINIMUM OF 20 PERCENT SPARE BREAKERS AND A MINIMUM OF 10 PERCENT SPARE CAPACITY IN ALL MAIN PANELS

ALL FACILITIES IN HIGH LIGHTING RISK AREAS SHALL BE EVALUATED USING THE RISK ASSESSMENT GUIDE IN NFPA 780 AND OTHER STANDARDS WHICH ADDRESS LIGHTING PROTECTION AND SHALL BE PROTECTED ACCORDINGLY FBC 23.17.7



ELECTRICAL PLAN

ALL ALARM SYSTEM WIRING
LOW VOLTAGE TELEPHONE
AND COMPUTER WIRING BY SCHOOL BOARD
SUBJECT TO LOCAL JURISDICTION

Luminaire Location Summary

Project All Projects	X	Y	Z	Offset	TH
12 A	21.7	44.0	0	90	0
13 A	25.7	44.0	0	90	0
14 A	37.7	44.0	0	90	0
19 A	41.7	48.0	0	90	0
18 A	33.8	45.0	0	90	0
17 A	25.7	45.0	0	90	0
16 A	21.8	35.3	0	90	0
15 A	25.8	53.3	0	90	0
20 A	37.6	59.3	0	90	0
31 A	33.8	53.3	0	90	0
22 A	44.0	64.4	0	100	0

Luminaire Schedule

Project All Projects	Symbol	Qty	Label	Arrangement	Lumens	LF	Description
*	11	A	SHOLE		2850	0.790	METALLUX 2850-238

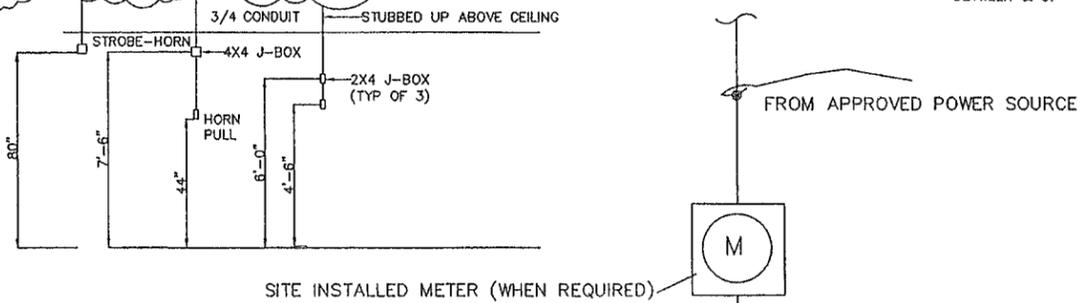
Numerical Summary

Project All Projects	Label	Color/Type	Units	Avg	Max	Min	Avg/Min	Max/Min	# Pts	Description
ROOM_Workplace	ILLUMINANCE		Ft	50.88	88.3	9.0	5.63	9.81	179	HORIZONTAL PLANE OF CALC AT 2.5FT AFF

PROJECT HISTORY

12/05/03
05/12/04
07/27/04

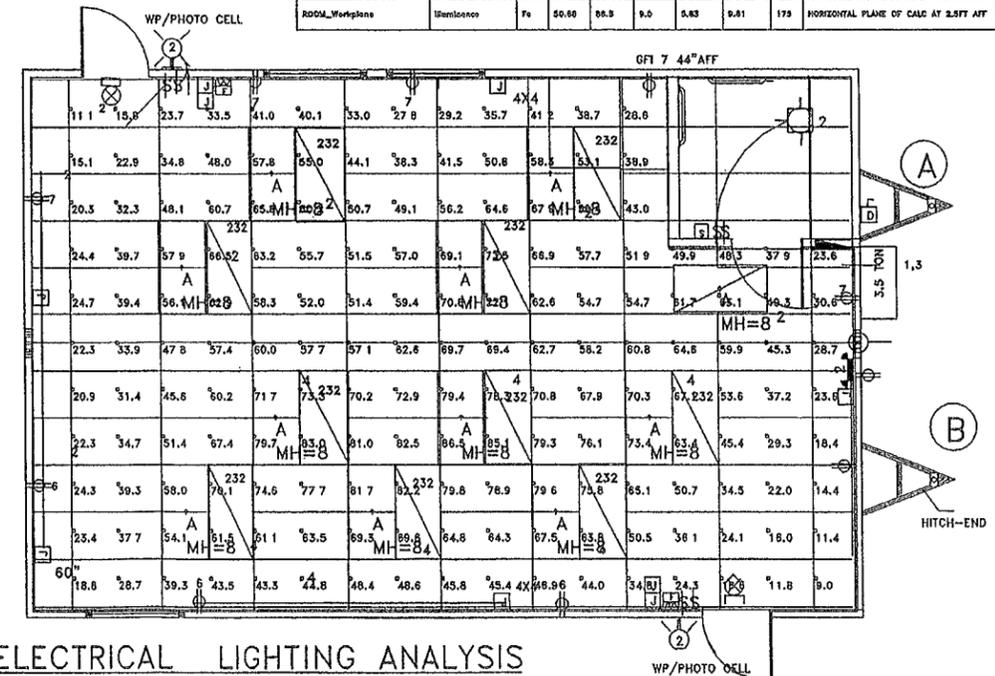
CLASSROOM TYPE IV
SEM SERIAL # A/B
ELECTRICAL PLAN



125A PANEL
100A MAIN
120/240V
1 Ø (SNGL PH)

SITE INSTALL #6 CU GROUND IN 1 1/2" CONDUIT TO TWO 5/8" MIN RODS 10 FT IN LENGTH SPACED A MINIMUM OF 6' (FT) APART, INSTALL PER NEC 250-52 (3) AND 250-64

ELECTRICAL RISER DIAGRAM



ELECTRICAL LIGHTING ANALYSIS

COMPUTER LIGHTING ANALYSIS: LPCC= CLP X PAF

CLASSROOM AREA (PAF) X UPD 2.0 = 1486 PAF

11 LIGHTS W/ 2 BULBS AT 32 WATTS= 896 LPCC

TOTAL LPCC MUST BE LESS THAN TOTAL PAF

ELECTRICAL SCHEDULE

CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU)
1,3	HVAC	35 (2P)	6-2 w/ GND.
2,4	LIGHTS	20A	12-2 MC
SPARE	OUTLETS	20A(1P)	12-2 MC
6	OUTLETS	20A	12-2 MC
7	OUTLETS	20A	12-2 MC
SPARE	OUTLETS	20A(1P)	12-2 MC

CIRCUIT SCHEDULE

DESCRIPTION	KVA
GENERAL LIGHTING	
.0035 KW/SF x 840 SF x 1.25 =	3.67
10 RECEPTS AT 180VA/1000 =	1.62
HVAC	
1 FAN @ .3 x 1.25 =	3.75
0 WATERHEATER @ 3.5 KW =	
TOTAL 11.16 KVA	
TOTAL/240 x 1000 =	46.5
INSTALL 125 AMP PANEL	
120/240 V 1-Ø	

** NOTE: 10A W/HEAT STRIP TO BE INSTALLED HOWEVER ONLY 9 KW IS TO BE USED. FILL 10A W/HEAT STRIP IN LOCATIONS AS ALLOWED BY THE FLORIDA ELECTRICAL CODE.

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CODES: FACBC-2001
FBC-2001 FMC-2001
NFPA-101, 2000 FPC-2001
NEC-2002
LABELS HWC

Southeast Modular Manufacturing
2500 INDUSTRIAL STREET
LEESBURG, FLORIDA 34748

DRAWN BY: JD
CHECKED BY: WJM
DATE:
SCALE: 1/4"=1'0"
SERIAL# A/B
SHEET: 6
OF 12 SHEETS

LIGHTING DESCRIPTION

EMERGENCY LIGHT:
DC LAMP Z-4 (3.6W 1-5)
277V/120V

EXIT LIGHT:
POLYCARBONATE LED EXIT SELF-POWERED. 120/277 VAC
SINGLE OR DOUBLE FACE W/ CANOPY RED LETTERS
NICKEL CADMIUM WHITE HOUSING
232

2 LAMP 2"x4" FLANGED STATIC TROFFER

FP-232A-120V-LE3-U

FAN/LIGHT COMBO:
TYPE 1C, 15 AMP CIRCUIT
40WATT BULB.

SPECIAL NOTE

J-BOX CONDUIT SHALL BE STUBBED UP AND DOWN THRU CEILING

ELECTRICAL PANEL TO BE STUBBED THRU FLOOR

J-BOXES FOR ALARM SYSTEM SHALL STUBBED UP AND DOWN THRU FLOOR

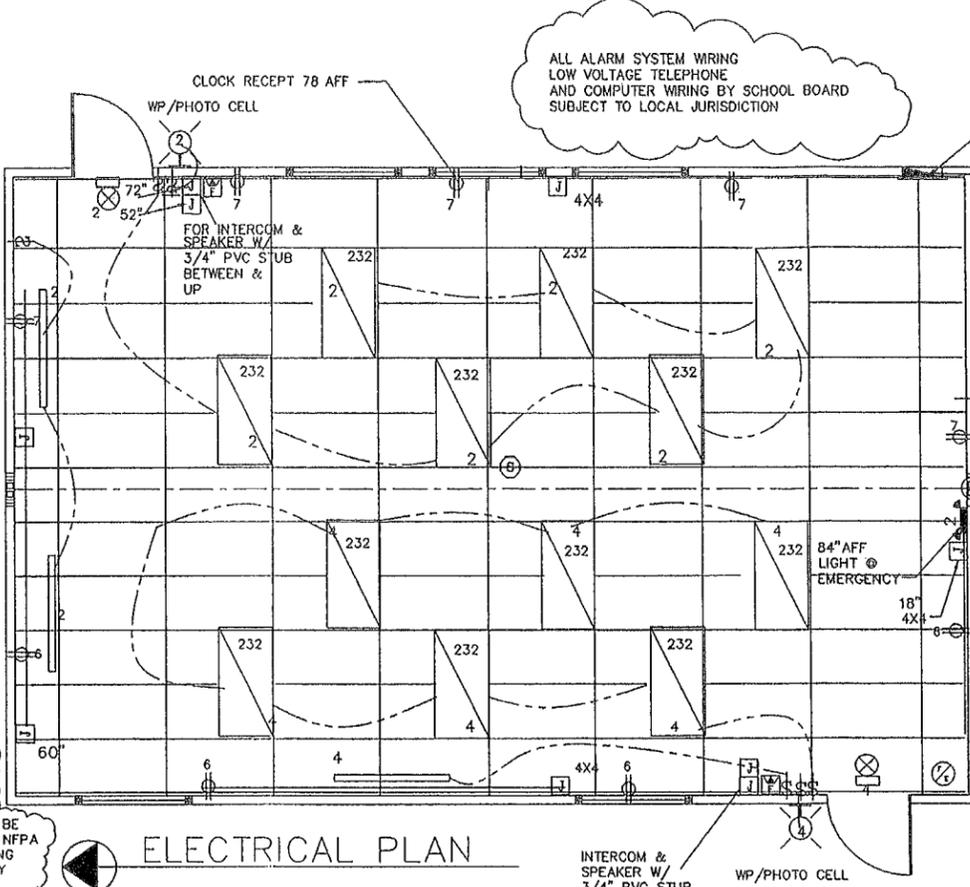
J-BOXES MUST CONTAIN WIRING AND COMPUTER TECHNOLOGY SUITABLE FOR THE PROGRAM TO BE HOUSED

CUSTOMER TO PROVIDE SURGE PROTECTION ON DATA, INTERCOM AND FIRE ALARM CIRCUITS

BUILDINGS WITHIN 60 FEET OF EACH OTHER SHALL HAVE A COMMON FIRE ALARM SYSTEM

LIGHTING AND POWER PANELS SHALL BE PROVIDED A MINIMUM OF 20 PERCENT SPARE BREAKERS AND A MINIMUM OF 10 PERCENT SPARE CAPACITY IN ALL MAIN PANELS

ALL FACILITIES IN HIGH LIGHTING RISK AREAS SHALL BE EVALUATED USING THE RISK ASSESSMENT GUIDE IN NFPA 780 AND OTHER STANDARDS WHICH ADDRESS LIGHTING PROTECTION AND SHALL BE PROTECTED ACCORDINGLY F.B.C.423.17



ELECTRICAL PLAN

Room/Location Summary

Proj#	Label	X	Y	Z	Orient	TH
1	A	28.7	44.9	8	90	0
2	A	31.6	44.9	8	90	0
3	A	39.7	44.9	8	90	0
4	A	43.7	48.9	8	90	0
5	A	36.7	48.9	8	90	0
6	A	27.7	48.9	8	90	0
7	A	23.7	55.2	8	90	0
8	A	27.6	59.3	8	90	0
9	A	31.0	55.2	8	90	0
10	A	36.7	58.2	8	90	0
11	A	43.7	59.2	8	90	0
12	A	39.7	55.2	8	90	0

Summary Schedule

Project All Projects	Symbol	Qty	Label	Arrangement	Location	HF	Description
-	18	A	232	232	232	232	232

Summary Summary

Project All Projects	Label	Code/Type	Qty	Req	Max	Min	Req/Min	Req/Max	# Pts	Description
2004	232	232	18	18	18	18	18	18	18	HORIZONTAL PANEL OF CASE AT 2321 AFF

PROJECT HISTORY

REV 05/12/04

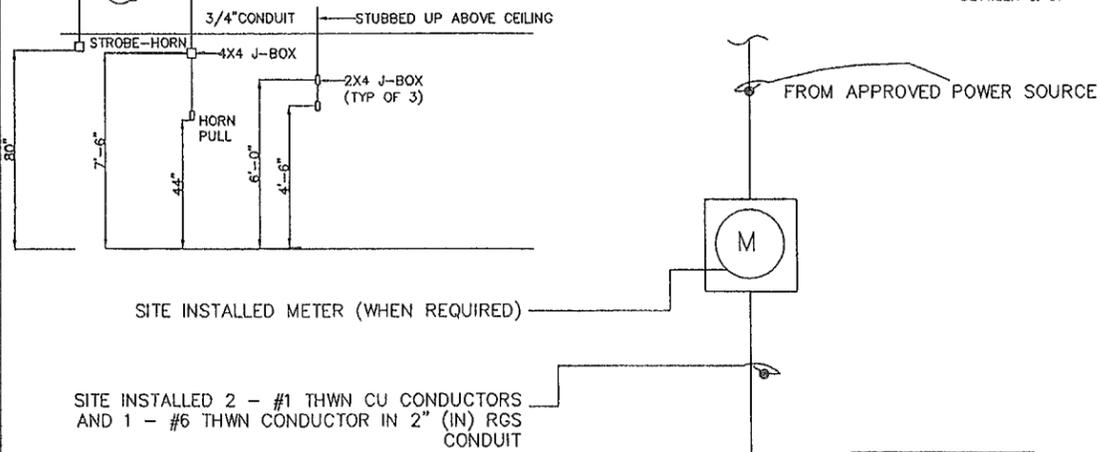
CLASSROOM TYPE IV
SEM SERIAL # A/B
ELECTRICAL PLAN

Southeast Modular Manufacturing

2500 INDUSTRIAL STREET
LEESBURG, FLORIDA 34748

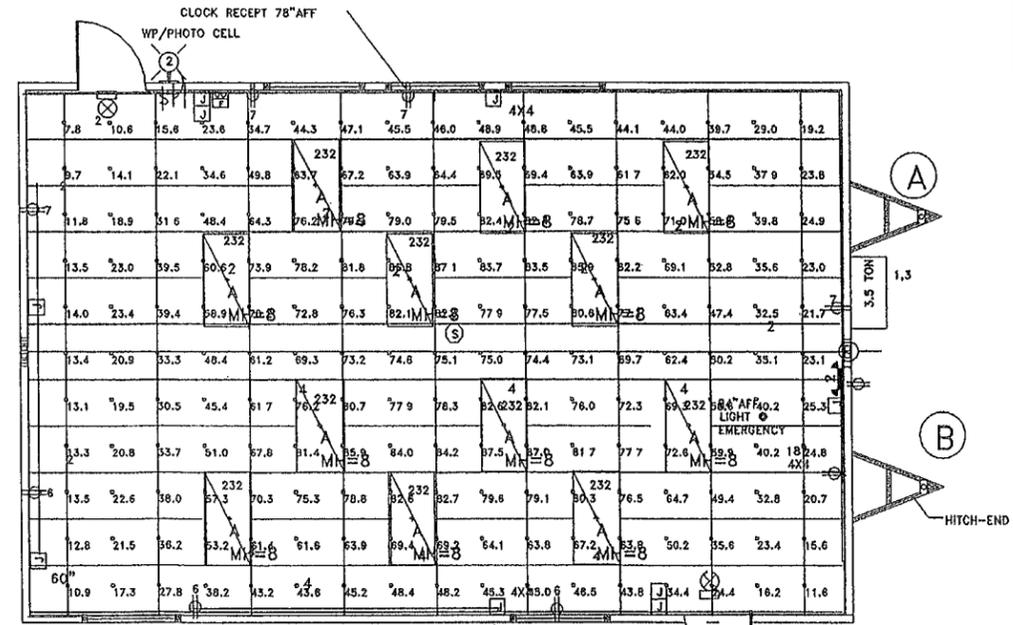
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CHECKED BY: WJM
DATE:
SCALE: 1/4"=1'0"

SERIAL# A/B
SHEET 6A
OF 12 SHEETS



125A PANEL
100A MAIN
120/240V
1 Ø (SNGL PH)

ELECTRICAL RISER DIAGRAM



ELECTRICAL LIGHTING ANALYSIS

William J. McCann, P.E.
Consulting Engineer
1563 Turner Street
Clearwater FL 33756
Florida P.E. License#50252

CODES FACBC-2001
FBC-2001 FMC-2001
NFPA-101, 2000 FPC-2001
NEC-2002
LABELS: HWC

COMPUTER LIGHTING ANALYSIS: LPCC= CLP X PAF

CLASSROOM AREA (PAF) X UPD 2.0 = 1486 PAF

14 LIGHTS W/ 2 BULBS AT 32 WATTS= 896 LPCC

TOTAL LPCC MUST BE LESS THAN TOTAL PAF

ELECTRICAL SCHEDULE

CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU)
1,3	HVAC	35 (2P)	6-2 se W/GND.
2,4	LIGHTS	20A	12-2 MC
SPARE	OUTLETS	20A(1P)	12-2 MC
6	OUTLETS	20A	12-2 MC
7	OUTLETS	20A	12-2 MC
SPARE	OUTLETS	20A(1P)	12-2 MC

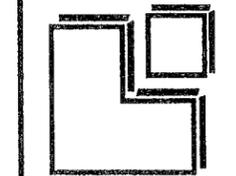
CIRCUIT SCHEDULE

DESCRIPTION	K.V.A.
GENERAL LIGHTING	840 SF x 1.25 = 367
10 RECEPTS AT 180VA/1000	= 1.62
HVAC	55
1 FAN @ .3 x 1.25	= .375
0 WATERHEATER @ 3.5 KW	=
TOTAL	1116 KVA
TOTAL/240 x 1000 =	465
INSTALL	125 AMP PANEL
120/240 V 1-Ø	

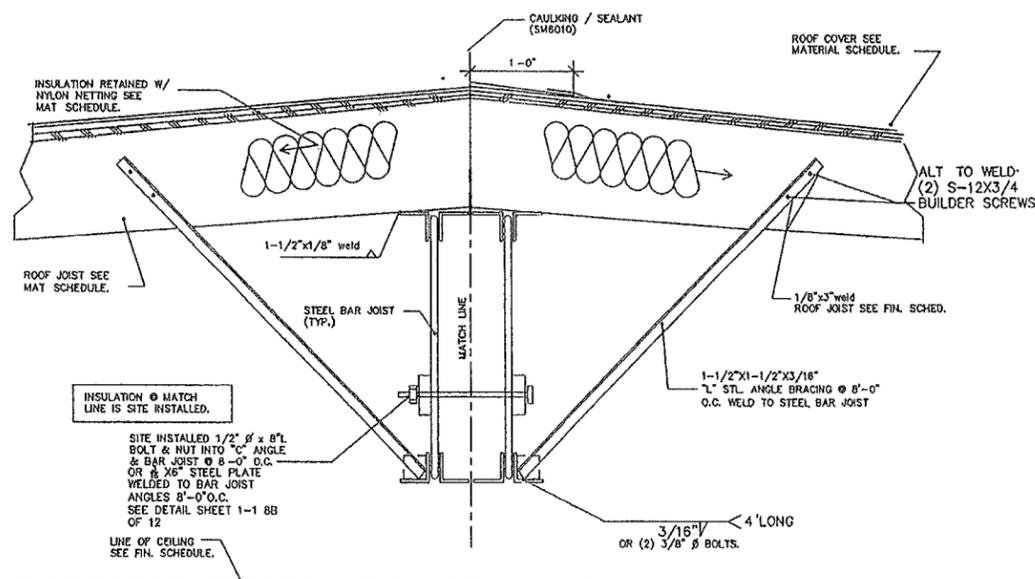
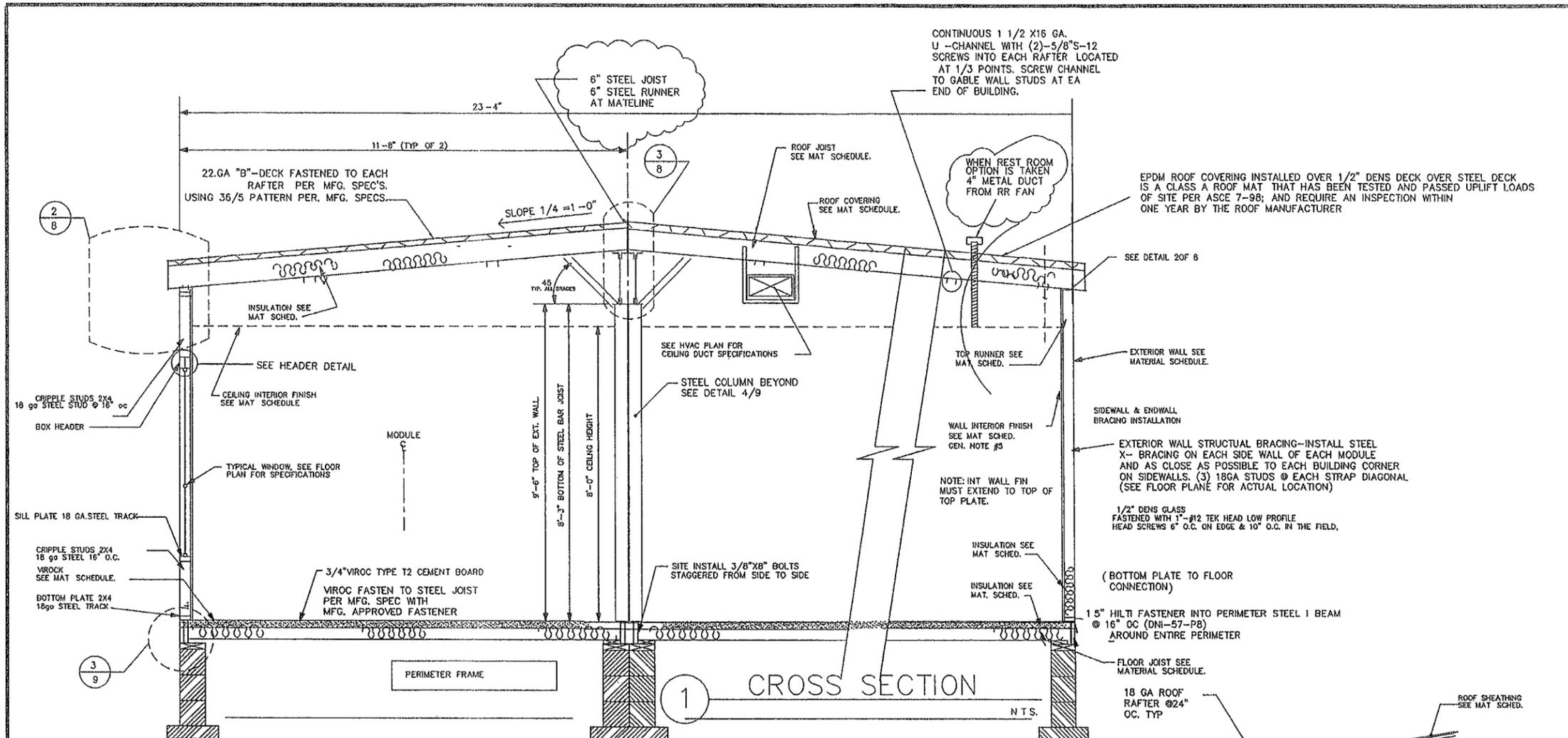
*NOTE: 10 KW HEAT STRIP TO BE INSTALLED HOWEVER ONLY 9 KW IS TO BE USED. FULL LOAD AVAILABLE CURRENT USE IN LOCATIONS AS ALLOWED BY THE FLORIDA PERMITS.

CLASSROOM TYPE IV
SEM SERIAL # A/B WET
BUILDING SECTION

Southeast Modular Manufacturing
2500 INDUSTRIAL STREET
LEESBURG, FLORIDA 34748



DRAWN BY: JD
CHECKED BY: WJM
DATE:
SCALE: 1/4"=1'0"
SERIAL# A/B WET
SHEET:
8
OF 12 SHEETS

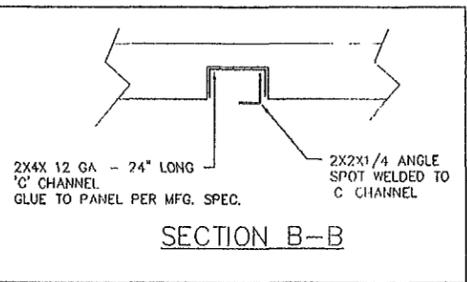
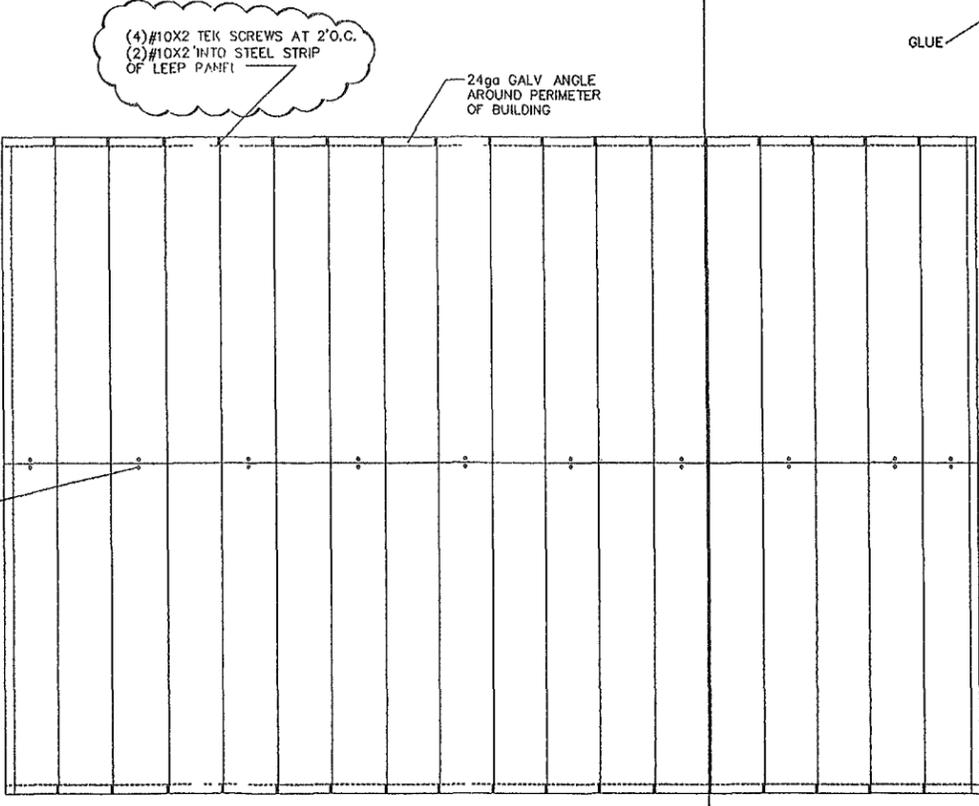
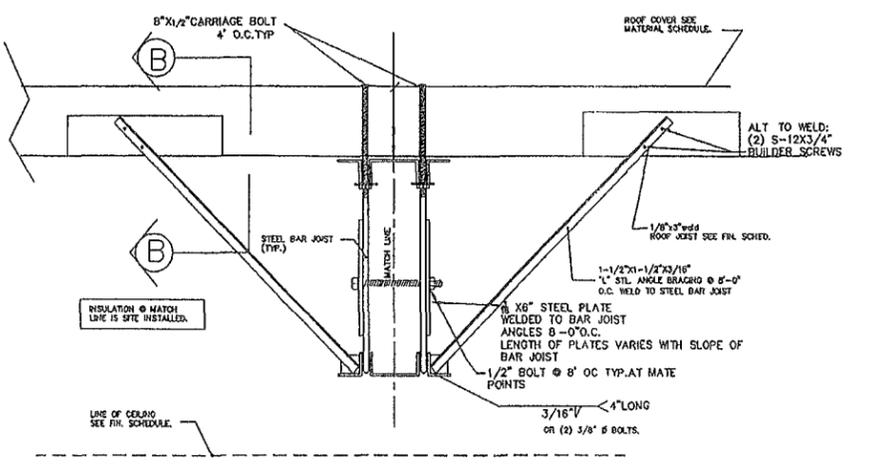
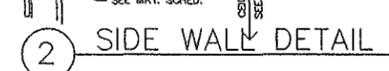
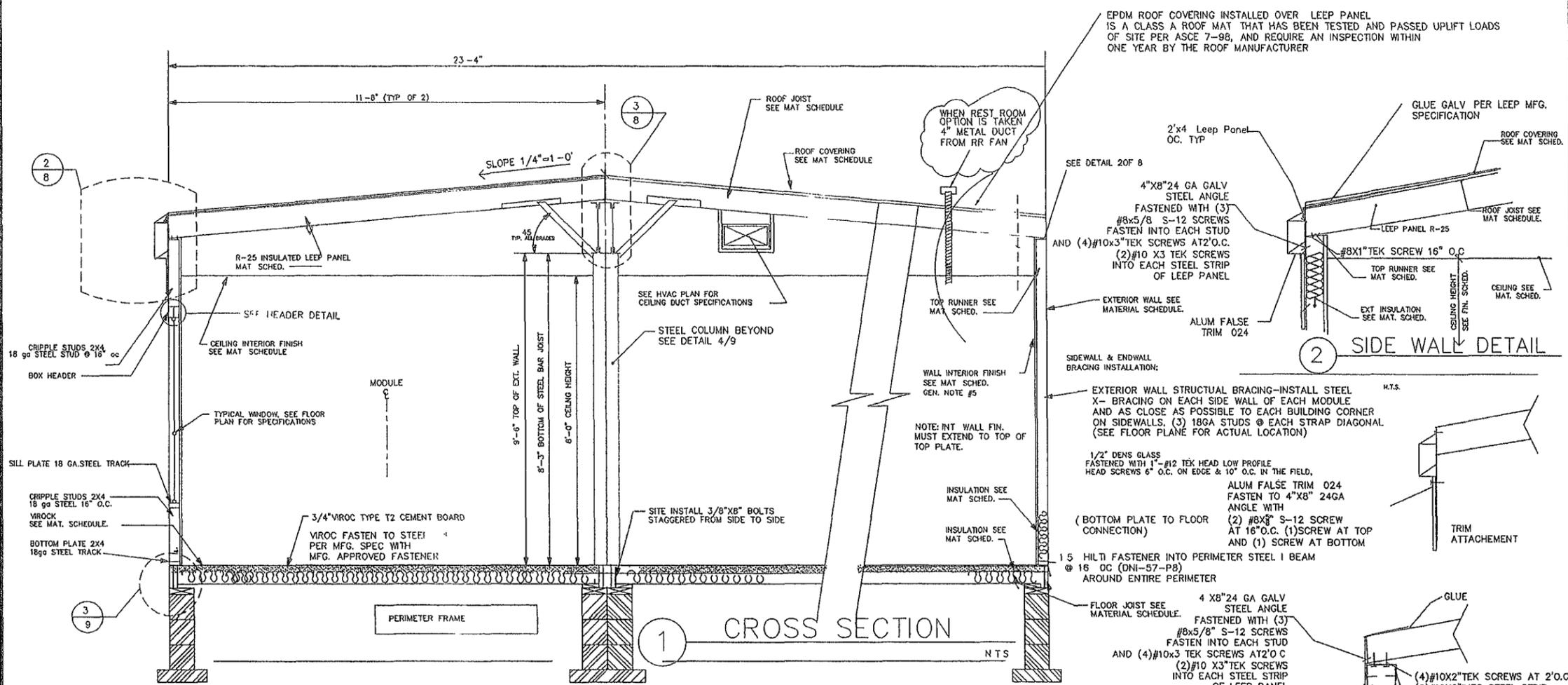


GENERAL CROSS SECTION NOTES

- UNLESS OTHERWISE SPECIFIED, ALL STEEL MUST COMPLY WITH ASTM A36, YIELD STRENGTH = 36 KSI
- SEE FOUNDATION PLAN FOR PIER AND THE DOWN STRAPPING LOCATIONS, ORIENTATIONS, AND SPECIFICATIONS.
- STEEL STUD AND ROOF JOIST MINIMUM YIELD STRENGTH=33KSI, STEEL RUNNER MINIMUM YIELD STRENGTH = 33 KSI, FLOOR JOIST MINIMUM YIELD STRENGTH = 50 KSI.
- ALL FORMED STEEL SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION.

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Florida P.E. License#50252

CODES: FACBC-2001 FBC-2001 FMC-2001
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NEC-2002
LABELS: HWC

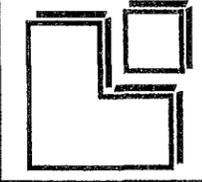


GENERAL CROSS SECTION NOTES

- UNLESS OTHERWISE SPECIFIED, ALL STEEL MUST COMPLY WITH ASTM A36, 110 STRENGTH = 36 KSI
- SEE FOUNDATION PLAN FOR PIER AND TIE DOWN STRAPPING LOCATIONS, ORIENTATIONS, AND SPECIFICATIONS.
- STEEL STUD MINIMUM YIELD STRENGTH = 33 KSI, STEEL RUNNER MINIMUM YIELD STRENGTH = 33 KSI, FLOOR JOIST MINIMUM YIELD STRENGTH = 50 KSI.
- ALL FORMED STEEL SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION.

Southeast Modular Manufacturing

2500 INDUSTRIAL STREET
LEESBURG, FLORIDA 34748

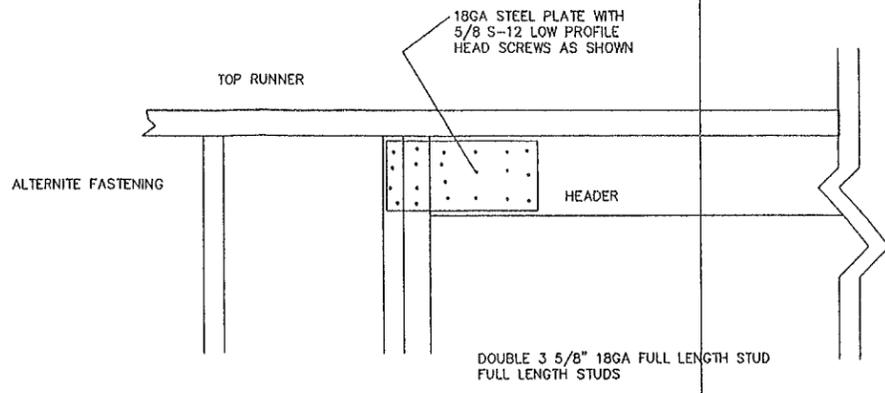
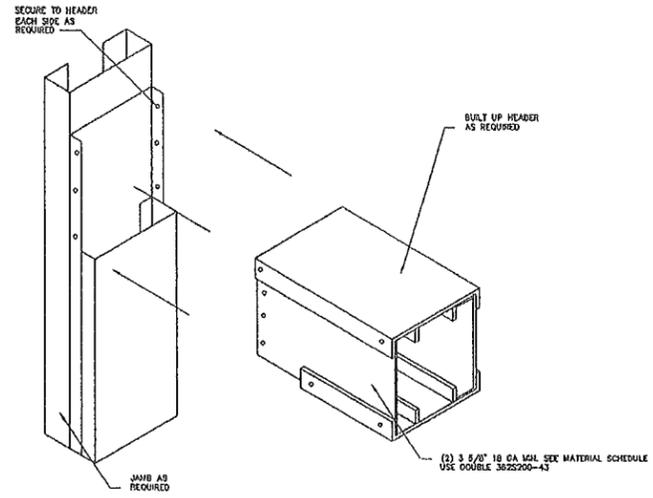


DRAWN BY: JD
CHECKED BY: WJM
DATE:
SCALE: 1/4"=1'0"
SERIAL# A/B WET
SHEET:
8A
OF 12 SHEETS

William J. McCann, P.E.
Consulting Engineer
1563 Turner Street
Clearwater FL 33756
Florida P.E. License #50252

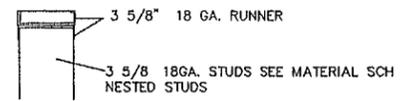
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NEC-2002
LABELS: HWC

CLASSROOM TYPE IV
SEM SERIAL # A/B WET
BUILDING SECTION LEEP OPTION

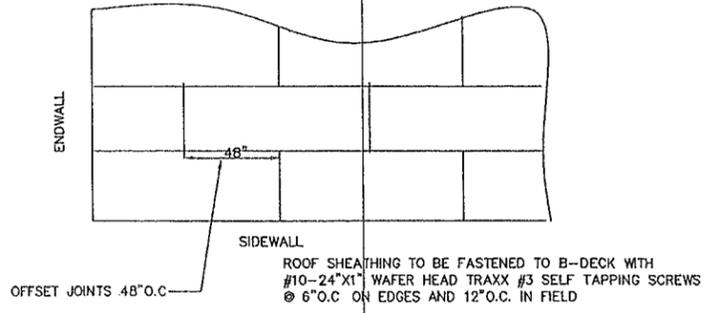


ALTERNATE HEADER DETAIL

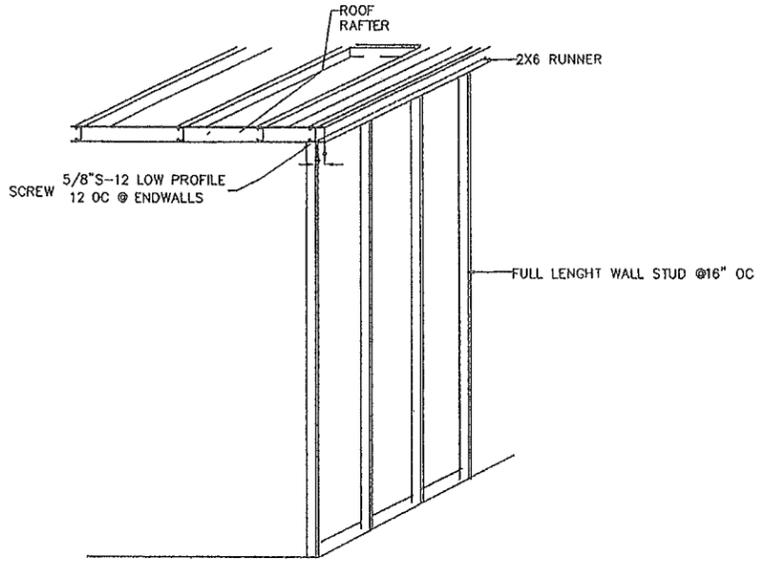
1 BOX HEADER TO JAMB CONNECTION N.T.S.



SILL DETAIL



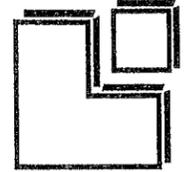
ROOF SHEATHING DETAIL



END WALL DETAIL

WET CLASSROOM TYPE IV
SEM SERIAL # A/B
DETAILS

Southeast Modular Manufacturing
2500 INDUSTRIAL STREET
LEESBURG, FLORIDA 34748

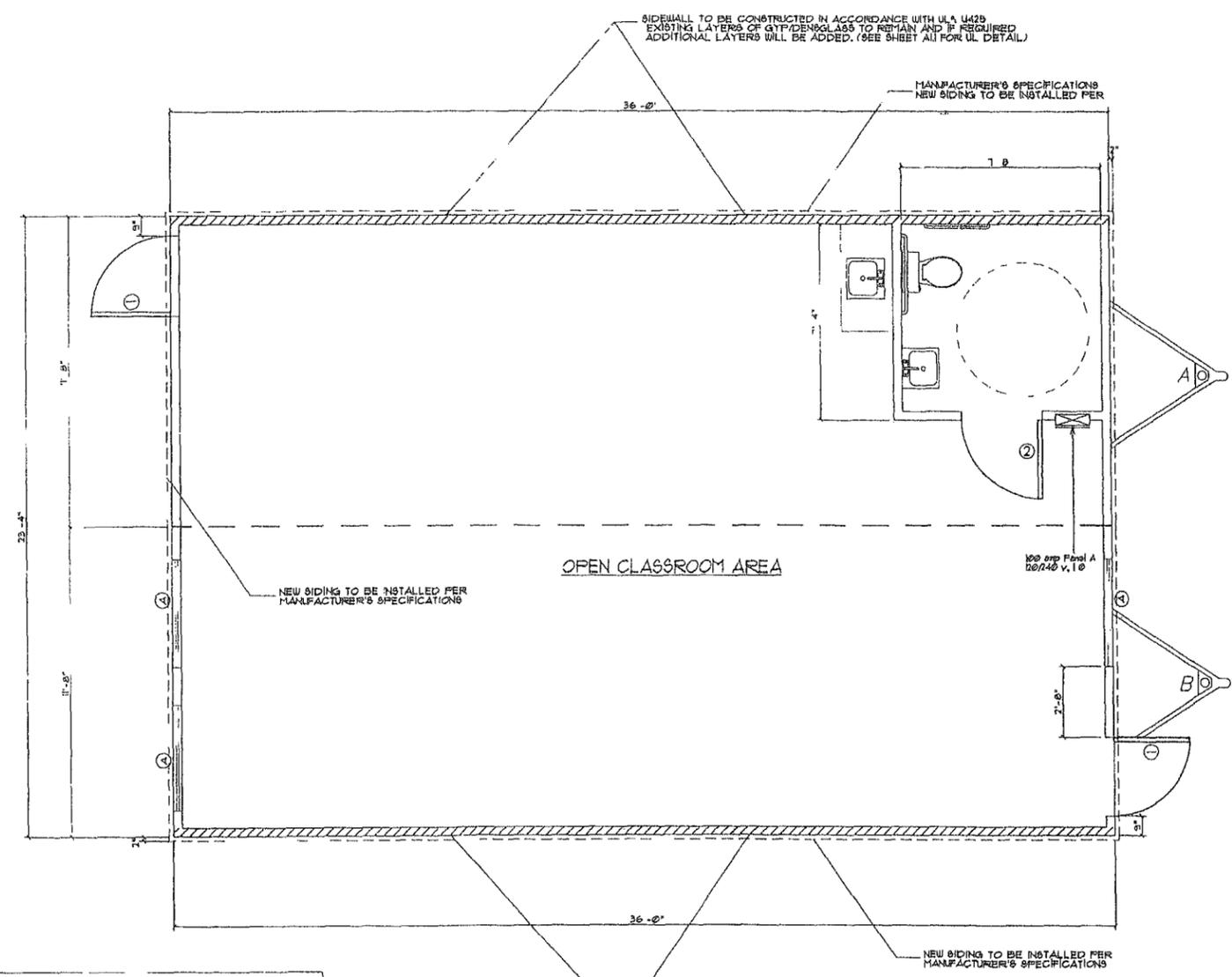


William J. McCann, P.E.
Consulting Engineer
1563 Turner Street
Clearwater FL 33756
Florida P.E. License #50252

DRAWN BY: JHD
CHECKED BY: WJM
DATE:
SCALE: 1/4"=1'0"

CODES: FACBC-2001 FBC-2001 FMC-2001
NFPA-101, 2000 FPC-2001
NEC-2002
LABELS: HWC

SERIAL# A/B
SHEET
11
OF 12 SHEETS



NEW FLOOR PLAN
SCALE: 3/8" = 1'-0"

DOOR SCHEDULE							
#	SIZE	DESCRIPTION	QTY	HEADER	JACKS	KINGS	COMMENTS
1	36x80	STEEL/STEEL W/D 42" V.B.	2	STEEL	1	2	FL # 6318 RI
HARDWARE: CLOSURE, CLASSROOM LEVER SET KICK PLATE ADA THRESHOLD							
2	12x80	S.C. 1-3/4" w/ STEEL FRAME	1	STEEL	1	1	EXISTING
HARDWARE: PRIVACY LEVER SET							

WINDOW SCHEDULE							
#	SIZE	DESCRIPTION	QTY	HEADER	JACKS	KINGS	COMMENTS
A	40x50	V8/BRONZE/WHITE/CLEAR	3	STEEL	1	2	FL # 2864 R2

PRODUCT APPROVAL			
PRODUCT CATEGORY	SUB. CATEGORY	MANUFACTURER	STATE OF FLORIDA APPROVAL #
DOORS	EXTERIOR	FLEMING BARN	FL # 14231
WINDOWS	SLIDER	HR WINDOWS	FL # 13229.01 (IMPACT RESIST)
ROOFING	SINGLE PLY ROOFING	EPDM	FL # 16-01 R3
EXT SIDING	SIDING	M.B.C.I.	FL # 14620 RI

ELECTRICAL PANEL 'A' SIZING		
DESCRIPTION	AMPS	WIRE SIZE
2000 KW 2P X 240V 1P X 120V	363	
10 RECEPTS @ 150 VA / 1800W	180	
1 EXHAUST HEATER @ 6.5 KW	31	
1 FAN @ 3 KW X 125	37.5	
HVAC	100	
TOTAL	611.5 KW	
TOTAL / 240 X 1000	637.2 A	
INSTALL	100 AMP PANEL 120 / 240V 1P	

ELECTRICAL SCHEDULE			
CIRCUIT	TEMPERATURE	BREAKER (AMP)	WIRE SIZE (CU FT)
1-3	HVAC	60A F	10-2
2-4	LIGHTS	20A F	12-2
6	RECEPTS	20A F	12-2
1	RECEPTS	20A F	12-2

ALL PORTABLE APPLIANCES, INCLUDING WHAT TO HAVE DISCONNECT IF NOT WITHIN VIEW OF ELECTRIC PANEL

ELECTRICAL LEGEND	
⊖ DUPLEX RECEPT @ 15' APP	⊖ EXHAUST FAN
⊖ DUPLEX RECEPT @ 4' APP	⊖ EXHAUST FAN / LIGHT
⊖ RECEPT 220 VOLT	⊖ EMERGENCY LIGHT
⊖ SWITCH	⊖ BOX FOR MANUAL PULL STATION
⊖ PHONE JACK @ 4' APP	⊖ 10' X 10' SUPPLY AIR REGISTER
⊖ PHONE JACK @ 15' APP	⊖ 1' X 1' RETURN AIR GRILLE
⊖ THERMOSTAT	⊖ EMERGENCY EXIT SIGN
⊖ INCANDESCENT LIGHT @ 60W MAX	⊖ FLOURESCENT FIXTURE @ 16W MAX
⊖ WATER PROOF PORCH LIGHT @ 60W MAX	
⊖ PHOTO CELL	

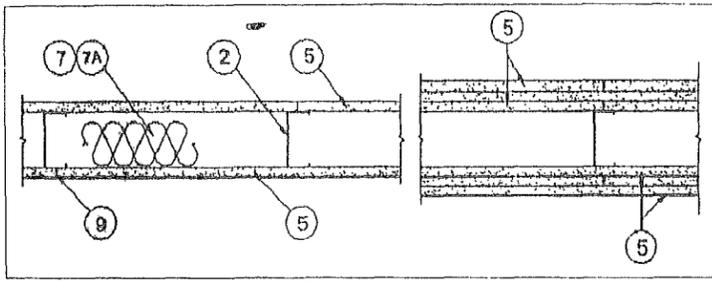
C.R.A.
DBPR PLAN REVIEW
11030.07 R-1
APPROVED
DATE: July 18, 2012

REVISION DATE:
DATE: 02-28-2012
DRAWN: R.C.S.
JOB #: CONVERSION
SHEET NO. A1

MODULAR STRUCTURE FOR:
Mobile-Modular
(24' X 36')

MODULAR PLANS DESIGN, CO.
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LAKELAND, FLORIDA 33803
PH: 888-888-1064
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WWW.MPDDESIGN.COM





Design No. U423

March 07, 2012

Bearing Wall Ratings: 45 min, 1 1/2 or 2 hr (see Item 5 & 7)
Load Restricted For Canadian Applications: See Guide ENXV1

1. Floor and Ceiling Runners (Not shown): Channel shaped, fabricated from min #20 MBS corrosion-protected steel that provide a sound structural connection between steel studs and adjacent assemblies such as floors, ceilings and/or other walls. Attached to floor and ceiling assemblies with steel fasteners spaced not greater than 24 in. OC. IA, Floor and Ceiling Runners (Not shown, As an alternate to Item 1, For Use With Item 5A and 5C) Channel shaped runners min 3 1/2 in. deep with 1-1/4 in. flanges fabricated from min No. 20 MBS corrosion-protected steel. Attached to floor and ceiling assemblies with steel fasteners spaced not greater than 24 in. OC.

2. Steel Studs (Not shown): Bare metal thickness (No. 20 MBS) corrosion-protected steel studs, min 3 1/2 in. wide, cold formed, designed in accordance with the current edition of the Specification for the Design of Cold-Formed Steel Structural Members by the American Iron and Steel Institute (AISI). All design details enhancing the structural integrity of the wall assembly, including the axial design load of the studs, shall be as specified by the steel stud designer and/or producer and shall meet the requirements of all applicable local code agencies. The max stud spacing shall not exceed 24 in. OC. Studs attached to floor and ceiling runners with 1/2 in. long Type 5 1/2 steel screws on both sides of the studs or by welded or bolted connections designed in accordance with the AISI specifications.

2A. Steel Studs: (As an alternate to Item 2 for use with Item 5A and 5C) Channel shaped, fabricated from min 20 MBS corrosion-protected or galv steel, 3 1/2 in. min width, min 1-1/2 in. flanges and 1/4 in. return, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners.

2B. Steel Studs: (As an alternate to Item 2 and 2A, For Use with Item 5B) Min #20 MBS (No. 20 MBS) corrosion-protected cold formed steel studs min 3 1/2 in. deep with 1/2 in. return. Braced at mid-height and designed in accordance with the current edition of the Specification for the Design of Cold-Formed Steel Structural Members by the American Iron and Steel Institute (AISI). All design details enhancing the structural integrity of the wall assembly, including the axial design load of the studs, shall be as specified by the steel stud designer and/or producer and shall meet the requirements of all applicable local code agencies. The max stud spacing shall not exceed 24 in. OC. Studs attached to floor and ceiling runners with 1/2 in. long Type 5 1/2 steel screws on both sides of the studs or by welded or bolted connections designed in accordance with the AISI specifications.

2C. Framing Members: Steel Studs: (As an alternate to Item 2 for use with Item 5C) Channel shaped, fabricated from min 20 MBS (No. 20 MBS) corrosion-protected or galv steel, 3 1/2 in. min width, min 1-1/2 in. flanges and 1/4 in. return, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

3. Lateral Support Members (Not shown): Where required for lateral support of studs, support shall be provided by means of steel struts, channels or other similar means as specified in the design of a particular steel stud wall system.

4. Wood Structural Panel Sheathing (Optional): For use with Item 5 only. (Not shown) - 4 ft wide, 1/2 in. thick oriented strand board (OSB) or 5/8 in. thick structural sheathing (plywood) complying with ICC E1 or E2 or APA Standard PS-109, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of #29 in. at maximum 6 in. OC in the perimeter and 12 in. OC in the field when used, fastener lengths for gypsum panels increased by min. 1/2 in. The maximum loading on the steel studs was evaluated with the steel studs braced at mid-height and not braced by the plywood sheathing.

5. Gypsum Board: Gypsum panels with beveled square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered when load is reduced to 50 percent of max stud capacity when load is at 50 percent, horizontal edge joints and horizontal butt joints on opposite sides of studs staggered a min of 12 in. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. when used in widths other than 48 in. gypsum panels to be installed horizontally. The thickness and number of layers and percent of design load for the 45 min, 1 1/2 hr and 2 hr ratings are as follows:

Wallboard Protection on Each Side of Wall

Rating	No. of Layers & Thickness	% of Design Load
45 min	1 layer 1/2 in. thick	100
1 hr	1 layer 5/8 in. thick	100
1 1/2 hr	2 layers 1/2 in. thick	100
2 hr	2 layers 5/8 in. thick	80
2 hr	2 layers 5/8 in. thick	100
2 hr	3 layers 1/2 in. thick	100
2 hr	2 layers 3/4 in. thick	100

*Rating applicable when Batte and Blankets (Item 7) are used.

5A. Gypsum Board: (As an alternate to Item 5 when used as the base layer on one or both sides of wall, for direct attachment only, not to be used with Item 4) - Nom 5/8 in. or 1 in. may be used as alternate to all 5/8 in. or 1 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or 1 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MBS steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1A, 2A, 2B, 2C, 2A, Wallboard secured to studs with 1 1/4 in. long Type 5 1/2 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batte Strips (see Item 12) or Lead Discs (see Item 13).

5B. Gypsum Board: (As an alternate to Items 5 and 5A) - Nom 5/8 in. thick gypsum panels with square edges, applied horizontally or vertically. For the one single layer system, when the gypsum board panels are installed horizontally the joints are to be staggered by a minimum of 12 in. on opposite sides of assembly, they are to be secured on each side of the studs with 1 1/4 in. long Type 5 1/2 bugle head steel screws spaced 8 in. OC on the top and bottom tracks and in the field with screws 1 in. and 4 in. from the horizontal joints. When the gypsum board panels are installed vertically all vertical joints must be centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to studs with 1 1/4 in. long Type 5 1/2 steel screws spaced 8 in. OC on the top and bottom tracks and in the field with screws 1 in. and 4 in. from the perimeter. For the 2 hour double layer system, when the gypsum board panels are installed horizontally the joints need not be staggered on opposite sides of assembly. Base layer secured on each side of studs with 1-1/4 in. long Type 5 1/2 bugle head steel screws spaced 16 in. OC on the top and bottom track and in the field with screws beginning 1 in. and 8 in. from the horizontal joints. Face layer horizontal joints staggered 8 in. from base layer joints and secured with 1-5/8 in. long Type 5 1/2 bugle head steel screws spaced 16 in. OC on the top and bottom tracks and in the field with screws beginning 1 in. and 8 in. from the horizontal joints. Face layer screws offset 8 in. from base layer screws when the gypsum board panels are installed vertically all vertical joints must be centered over studs and staggered min 1 stud cavity on opposite sides of studs. Face layer gypsum boards secured to studs with 1-1/4 in. long Type 5 1/2 steel screws spaced 16 in. OC with screws 2 in. and 16 in. from the perimeter. Base layer gypsum boards secured to studs with 1 1/4 in. long Type 5 1/2 steel screws spaced 16 in. OC with screws 1 1/2 in. and 8 in. from the perimeter. Face layer screws offset 8 in. from base layer screws.

5C. Gypsum Board: (As an alternate to Item 5 when used as the base layer on one or both sides of wall, for direct attachment only, not to be used with Item 4) - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1 1/4 in. long Type 5 1/2 (or 7/8 by 1 1/4 in. long bugle head (the drill) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

5D. Gypsum Board: (As an alternate to Item 5 when used as the base layer on one or both sides of wall, for direct attachment only, not to be used with Item 4) - Nom 5/8 or 3/4 in. may be used as alternate to all 5/8 or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MBS steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1A, 2A, 2B, 2C, 2A, Wallboard secured to studs with 1 1/4 in. long Type 5 1/2 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batte Strips (see Item 12) or Lead Discs (see Item 13).

5E. Gypsum Board: (As an alternate to Item 5 when used as the base layer on one or both sides of wall, for direct attachment only, not to be used with Item 4) - Nom 5/8 in. may be used as alternate to all 5/8 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MBS steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1A, 2A, 2B, 2C, 2A, Wallboard secured to studs with 1 1/4 in. long Type 5 1/2 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batte strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batte strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type 5 1/2 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max #20 MBS in. thick. Compression filled or adhered over the screw heads. Lead batte strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201F Grade 'C'.

6. Fasteners (Not shown): For use with Item 5 Type 5-1/2 steel screws used to attach panels to runners (Item 1 or 1A) and studs (Item 2 or 2A) or furring channels (Item 8). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1 1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 12 in. OC when panels are applied vertically. Two layer systems: First layer: 1 in. long for 1/2 and 5/8 in. thick panels or 1 1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer: 1 5/8 in. long for 1/2 in. and 5/8 in. thick panels or 2 1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer: 1 5/8 in. long for 1/2 in. thick panels, spaced 24 in. OC. Third layer: 2 1/4 in. long for 1/2 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

7. Batte and Blankets: (Required as indicated under Item 5) 1 Nom 2 in. thick mineral wool batte, friction fitted between studs and runners. See Batte and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

7A. Batte and Blankets: (Optional, not shown) 1 Placed in stud cavities any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batte and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

7B. Batte and Blankets: (Optional, not shown) 1 Placed in stud cavities glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batte and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

8. Furring Channels: (Optional on one or both sides, not shown, for single or double layer systems) 1 Resilient furring channels fabricated from min 20 MBS corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type 5-1/2 panhead steel screws. Not for use with type FRX-G gypsum panels and Item 5A or 5C.

8A. Steel Framing Members (Not shown) 1 (Optional on one or both sides, not shown, for single or double layer systems) 1 As an alternate to Item 8, furring channels and Steel Framing Members as described below.

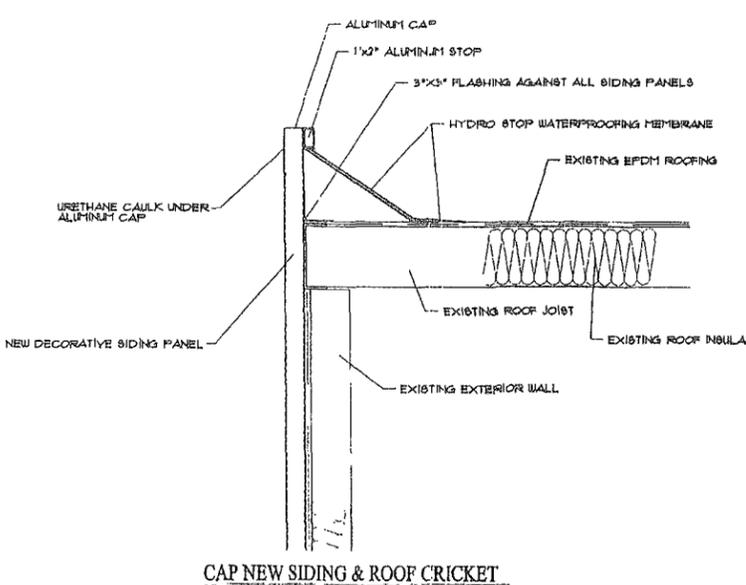
8. Furring Channels 1 Formed of No. 20 MBS galv steel, 2-3/8 in. wide by 7/8 in. deep spaced max 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 8. Gypsum board attached to furring channels as described in Item 6. Not for use with type FRX-G gypsum panels and Item 5A or 5C.

8B. Steel Framing Members 1 Used to attach furring channels (Item 8a) to studs (Item 2). Clips spaced max. 48 in. OC, and secured to studs with No. 8 x 1 1/2 in. minimum self-drilling 5-1/2 steel screw through the center grommet. Furring channels are friction fitted into clips. PAC INTERNATIONAL INC 1 Type R51C 1.

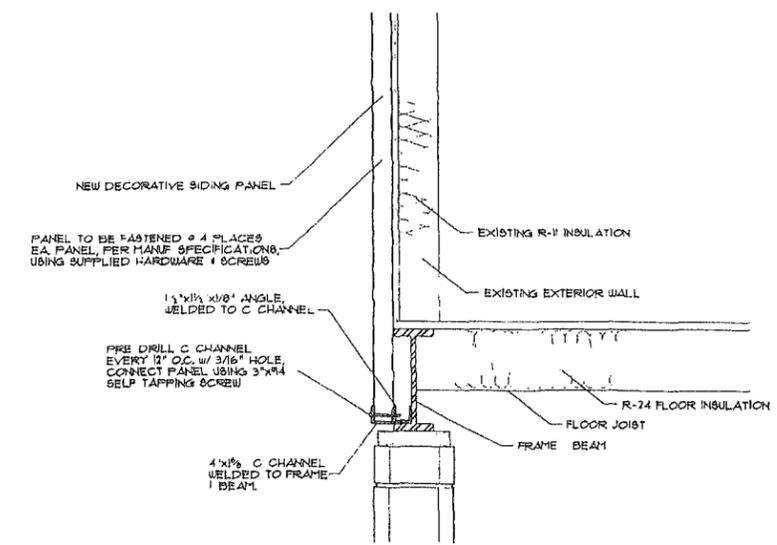
9. Joint Tape and Compound: Vinyl or caulk, dry or pre-mixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, not 2 in. wide, embedded in first layer of compound over all joints of outer layers. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.

10. Siding, Brick or Stucco (Optional, not shown) 1 Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

11. Caulking and Sealants: (Optional, not shown) 1 A bead of acoustical sealant applied around the partition perimeter for sound control.



CAP NEW SIDING & ROOF CRICKET
SCALE: 3/8" = 1'-0"



BASE OF NEW SIDING CONNECTION
SCALE: 3/8" = 1'-0"

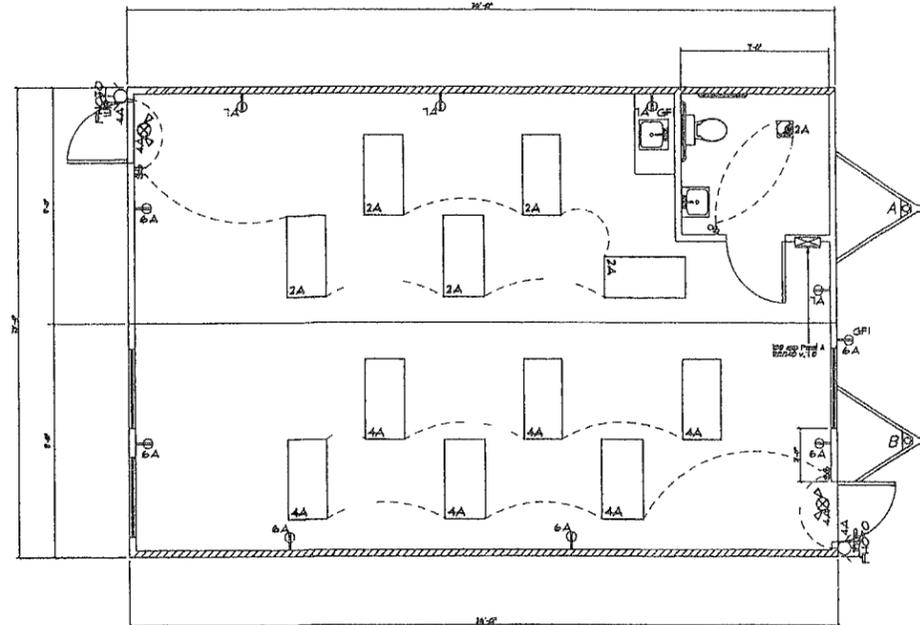
C.R.A.
DBPR PLAN REVIEW
10.00.07 R-1
APPROVED
DATE 07/18/2012

REVISION DATE:
DATE: 02-20-2012
DRAWN: R.C.S.
JOB #: CONVERSION
SHEET NO. A1.1

MODULAR PLANS DESIGN, CO.
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M P D
Company

MODULAR STRUCTURE FOR:
Mobile-Modular
(24' X 36')



ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

ELECTRICAL PANEL "A" SIZING	
DESCRIPTION	
0020 KW SF X 240 OF X US	36.1
30 RECEPTS @ 180 VA / 1800	180
(-) EXHAUST HEATER @ 6.9 KW	
1 FAN @ 3 KW X US	3.0
INAC	10.0
TOTAL	69.1 KW
TOTAL 1240 X 1000	69.1 @ A
INSTALL	1200 AMP PANEL @ 120V 1Ø

ELECTRICAL SCHEDULE			
CIRCUIT	DESCRIPTION	BREAKER (AMP)	WIRE SIZE (CU FT)
1 (3)	INAC	60A 1P	1Ø-2
2A	LIGHTS	30A 1P	Ø-2
6	RECEPTACLES	30A 1P	Ø-2
7	RECEPTACLES	30A 1P	Ø-2

ALL PORTABLE APPLIANCES, INCLUDING W/H, TO HAVE DISCONNECT IF NOT WITHIN VIEW OF ELECTRIC PANEL.

ELECTRICAL LEGEND	
⊕ DUPLEX RECEPT @ 15' APP.	⊕ EXHAUST FAN
⊕ DUPLEX RECEPT @ 42' APP.	⊕ EXHAUST FAN / LIGHT
⊕ RECEPT 220 VOLT	⊕ EMERGENCY LIGHT
⊕ SWITCH	⊕ OCCUPANT SENSOR
▽ DATA JACK	⊕ JUNCTION BOX
▽ PHONE JACK @ 16" A/S	⊕ 12" X 12" SUPPLY AIR REGISTER
⊕ THERMOSTAT	⊕ 12" X 12" RETURN AIR GRILLE
⊕ INCANDESCENT LIGHT @ 60W MAX.	⊕ EMERGENCY LIGHT 1 EDIT CONTROL
⊕ WATER PROOF PORCH LIGHT @ 60W MAX. W/ PHOTO CELL	⊕ FLUORESCENT FIXTURE
⊕ SMOKE DETECTOR	

C.R.A.
DBPR PLAN REVIEW
11030.07 R-1
APPROVAL #
DATE 04/18/2012

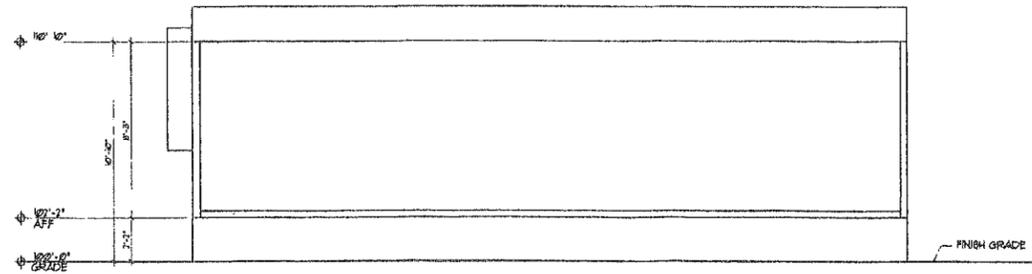
MODULAR STRUCTURE FOR:
Mobile-Modular
(24' x 36')

M P D
Company

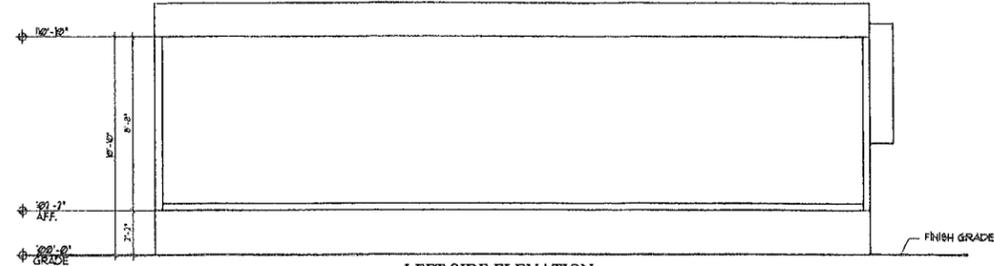
MODULAR PLANS DESIGN, CO.
THOMAS L. MELTON,
FLORIDA ARCHITECT

1774 S. FLORIDA AVE. SUITE 201
LAKELAND, FLORIDA 32803
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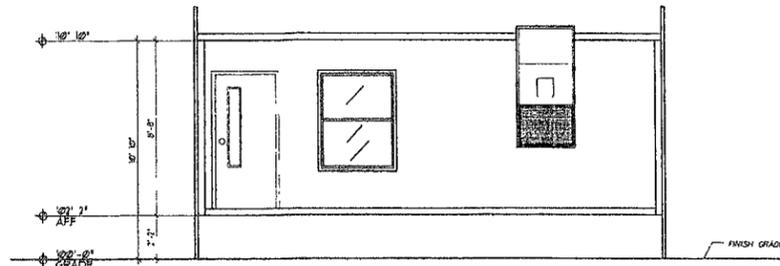
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	UNIT# CONVERSION
	SHEET NO. A1.2



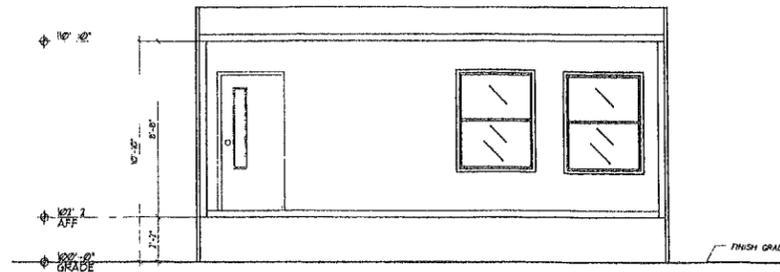
RIGHT SIDE ELEVATION
SCALE: 1/4" = 1'-0"



LEFT SIDE ELEVATION
SCALE: 1/4" = 1'-0"



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



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

C.R.A.
DBPR PLAN REVIEW
11030 07R-1
APPROVAL #
DATE July 18, 2012

REVISION DATE:

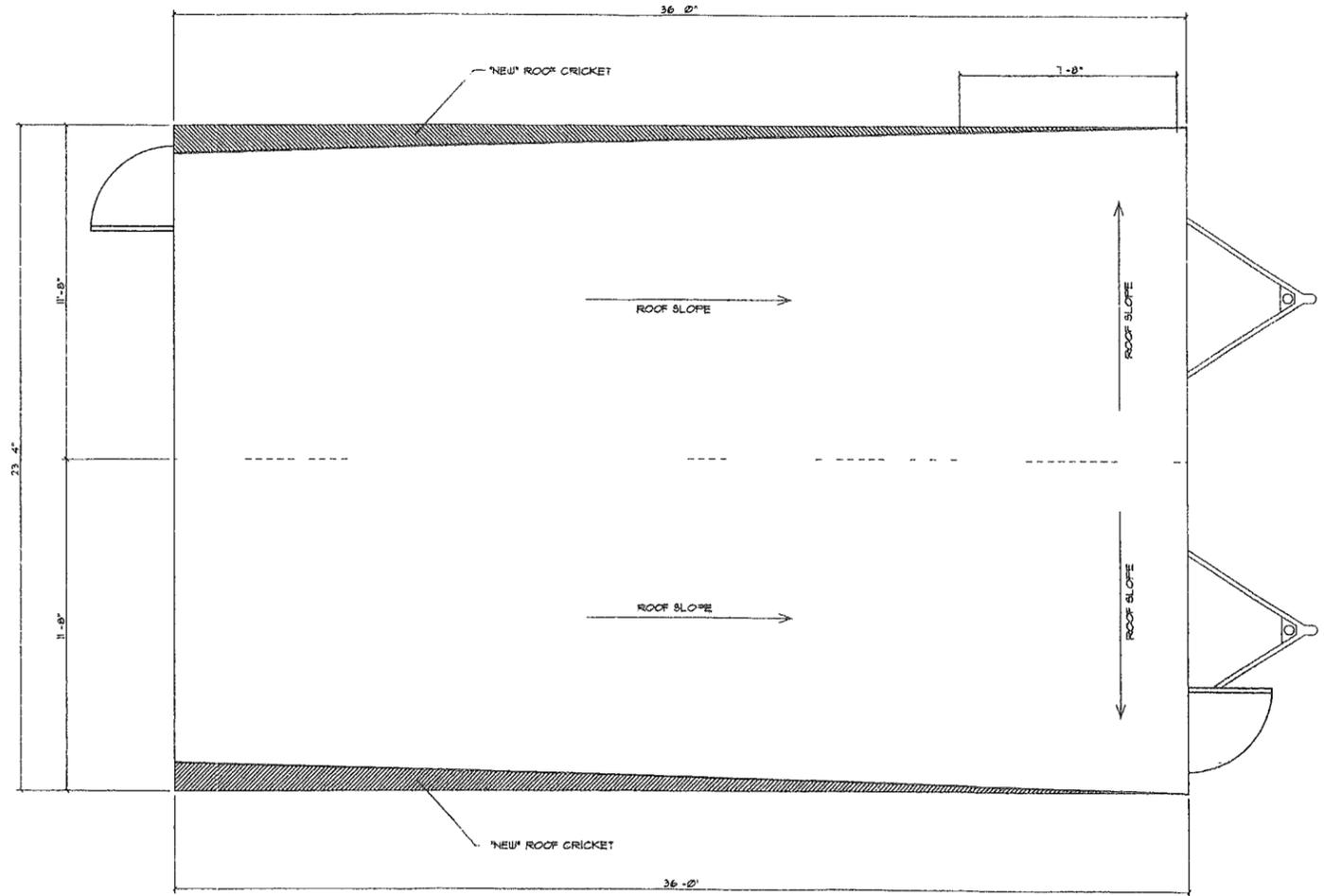
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DATE: 04-10-2012
DRAWN: R.C.S.
JOB #: CONVERSION
SHEET NO. A2

MODULAR STRUCTURE FOR:
Modile-Modular
(24' X 36')



MODULAR PLANS DESIGN, CO.
THOMAS L. NELSON, P.E.
34402706
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GENERAL NOTES ON ROOF CRICKET INSTALLATION

- 1 PRIOR TO INSTALLATION OF NEW ROOFING MATERIALS THE EXISTING ROOF DECK MUST BE INSPECTED FOR COMPLIANCE WITH THE 2010 FLORIDA BUILDING CODE ROOFING LIFE-CYCLE REQUIREMENTS
- 2 NEW ROOFING COMPONENTS ARE A LISTED FLORIDA APPROVED PRODUCT FL PRODUCT APPROVAL #: 1026-R2

ROOF PLAN
SCALE: 3/8" = 1'-0"

C.R.A.
DEPR PLAN REVIEW
110.30.0724
APPROVED
DATE 02/17/2012

REVISION DATE:
DATE: 02-28-2012
DRAWN: R.C.S.
JOB #: CONVERSION
SHEET NO. A3

11
02/17/12

**MODULAR STRUCTURE FOR:
Mobile-Modular
(24' X 36')**

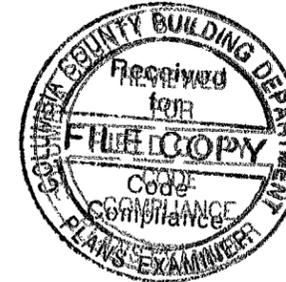


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MODULAR STRUCTURE FOR: Mobile-Modular



STRUCTURAL LOAD LIMITATIONS	
DESIGN CODES 2010 IRC w/ 2012 SUPPLEMENTS ASCE 7-10 CODE 2010 FLORIDA FIRE PREVENTION CODE (w/ FL VERSION OF NFPA 101 & NFPA 1) 2008 NEC	
BUILDING DEAD LOADS A. ROOF = 10 PSF B. FLOOR = 10 PSF C. WALLS = 8 PSF	
BUILDING LIVE LOADS A. ROOF = 30 PSF B. FLOOR = 40 PSF	
CONCENTRATED LOAD.	
ROOF SNOW LOAD: N/A	
WIND LOAD CRITERIA: 1. 180 MPH (HVHZ) WIND SPEED 2. III RISK CATEGORY 3. III BUILDING CATEGORY 4. ENCLOSURE CLASSIFICATION: ENCLOSED Gcpl = 0.18 INTERNAL PRESSURE COEFFICIENT 5. C EXPOSURE FACTOR	
6. COMPONENT & CLADDING LOAD: (ROOF) P1 = -27.7 PSF (ZONE 1), -43.4 PSF (ZONE 2), -54.9 PSF (ZONE 3) (WALL) PW = -27.5 PSF (ZONE 4), PW = -20.9 PSF (ZONE 5)	
7. ENCLOSED BUILDING ENCLOSURE CLASSIFICATION	
8. THIS BUILDING IS NOT DESIGNED FOR PLACEMENT ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 15 FEET IN HEIGHT	
SEISMIC LOAD: N/A	
FLOOD LOAD: THIS BUILDING IS NOT DESIGNED TO BE SUBMERGED OR SUBJECT TO WAVE ACTION WHEN LOCATED IN A FLOOD PRONE OR ZONE AREA. FINISH FLOOR ELEVATION MUST BE LOCATED ABOVE THE BUILDING SITE FLOOD PLANE LEVEL.	

SITE INSTALLED NOTES

- NOTE THAT THIS LIST DOES NOT NECESSARILY LIMITS THE ITEMS OF WORK AND MATERIALS THAT MAY BE REQUIRED FOR A COMPLETE INSULATION. ALL SITE RELATED ITEMS ARE SUBJECT TO LOCAL JURISDICTION AND APPROVAL.
- THE COMPLETE FOUNDATION SUPPORT AND THE DOWN SYSTEM.
 - RAMPS, STAIRS AND GENERAL ACCESS TO THE BUILDING.
 - PORTABLE FIRE EXTINGUISHERS (S).
 - DRINKING FOUNTAIN, BUILDING DRAINS, CLEAN-OUTS, AND HOOK-UP TO PLUMBING SYSTEM.
 - ELECTRICAL SERVICE HOOK-UP (INCLUDING FEEDERS) TO THE MAIN ELECTRICAL PANEL AND SUB-FEEDERS (MULTI-UNIT BUILDING).
 - CONNECTION OF ELECTRICAL CIRCUITS CROSSING OVER MODULE ONLY (MATING LINES) (MULTI-UNIT ONLY).
 - STRUCTURAL AND AESTHETIC INTERCONNECTIONS BETWEEN 9. WINDOW AND DOOR HIGH WIND STORM COVERINGS PER CODE. 10. GUTTERS AND DOWNSPOUTS (IF APPLICABLE).
 - SINK AND CABINETS.
 - FIRE ALARM SYSTEM, WIRING, ETC. IF REQUIRED. SYSTEM MUST BE CONNECTED TO FACILITY SYSTEM IF LOCATED WITHIN 60' OF THE MAIN BUILDING.
 - THERMAL EXPANSION DEVICE IF REQUIRED.
 - ROOFED PLATFORM FOR ALL EXTERIOR DOORS. (BY OTHERS)

DRAWING INDEX

DRAWING INDEX	
C1	COVER SHEET
ORIGINAL BUILDING PLANS (13 SHEETS)	
A1	FLOOR PLAN
A1A	FLOOR PLAN
A1.1	DETAILS
A1.2	NEW ELECTRICAL PLAN
A2	NEW ELEVATIONS
A3	ROOF PLAN

ELEVATION NOTES (TYP)

- SEE CROSS SECTION FOR METHOD OF ROOF VENTILATION
- INCADIP RAM(S), STAIRS (S), AND HANDRAILS ARE TO BE DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION AND APPROVAL.
- FOUNDATION ENCLOSURE (WHEN PROVIDED) MUST HAVE 1 SQUARE FOOT NET VENT AREA PER 1/1150th OF THE FLOOR AREA, AND AN 18" X 24" MINIMUM CRAWL SPACE ACCESS, SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION AND APPROVAL.

MECHANICAL NOTES

- ALL SUPPLY AIR REGISTERS SHALL BE 10 INCHES X 10 INCHES ADJUSTABLE w/ 10 INCHES X 20 INCHES (INSIDE) OVERHEAD FIBERGLASS DUCT UNLESS OTHERWISE SPECIFIED, DUCTS LOCATED IN VENTILATED ATTIC SPACES SHALL HAVE AN R-6 INSULATION VALUE. DUCTS LOCATED IN UNCONDITIONED INTERIOR SPACE, INTERIOR SPACES SHALL HAVE AN R-4.2 INSULATION VALUE.
- RESTROOM VENT FANS SHALL PROVIDE 50 CFM MINIMUM PER WATER CLOSET AND / OR URINAL.
- VENT FANS SHALL BE DUCTED TO THE EXTERIOR AND TERMINATE AT AN APPROVED VENT CAP.
- HVAC EQUIPMENT SHALL BE EQUIPPED WITH OUTSIDE FRESH INTAKES PROVIDING 20 CFM FOR EACH OCCUPANT OR 50 CFM FOR EACH WATER HEATER CLOSET AND EACH URINAL, WHICH EVER IS GREATER.

PLUMBING NOTES.

- CUSTOMER ASSUMES ALL RESPONSIBILITY FOR DRINKING WATER FACILITIES AND SERVICE SINK WHEN NOT SHOWN ON THE FLOOR PLAN.
- TOILETS SHALL BE ELONGATED WITH NON-ABSORBENT OPEN FRONT SEAT
- RESTROOM WALLS SHALL BE COVERED WITH NON-ABSORBENT MATERIAL TO A MINIMUM HEIGHT OF 48 INCHES A.F.F.
- ALL PLUMBING FIXTURES SHALL HAVE SEPARATE SHUT-OFF VALVES.
- 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.
- DHW SYSTEM SHALL BE EITHER ABS OR PVC DWV
- WATER SUPPLY LINES SHALL BE POLYBUTYLENE, CPVC, OR COPPER; WHEN POLYBUTYLENE SUPPLY LINES ARE INSTALLED THE MAXIMUM WATER HEATER TEMPERATURE SETTING IS 180° F THE POLY BUTYLENE PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS LIMITATIONS AND INSTRUCTIONS.
- WATER CLOSETS ARE TANK TYPE AND URINALS ARE FLUSH TANK TYPE UNLESS OTHERWISE SPECIFIED.
- BUILDING DRAIN AND CLEANOUTS ARE DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION APPROVAL.
- SHOWERS SHALL BE CONTROLLED BY AN APPROVED MIXING VALVE WITH A MAXIMUM WATER OUTLET TEMPERATURE OF 120° F (48.9° C).
- 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 JURISDICTION AND APPROVAL.

GENERAL NOTES

- ACCESS TO BUILDING FOR PERSONS IN WHEELCHAIRS IS DESIGNED BY AND FIELD BUILT BY OTHERS AND SUBJECT TO ALL LOCAL JURISDICTIONS, AT LEAST 50% OF PUBLIC ENTRANCES (INCLUDING PRIMARY ENTRANCES) AND ALL REQUIRED EXITS MUST BE ACCESSIBLE.
- 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.
- ALL GLAZING WITHIN A 48 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
- FLOOR DESIGN LIVE LOAD 100 PSF (LOBBIES & CORRIDORS) 50 PSF (REMAINDER)
- MAXIMUM WIND VELOCITY - SEE 3RD PARTY CHART
- OCCUPANCY IS EDUCATION (PUBLIC)
- OCCUPANT LOAD: 43 PEOPLE (BASED ON 1 PERSON PER 20 SQUARE FT OF AREA, SEE 3RD PARTY CHART)
- CONSTRUCTION IS TYPE II-B.
- ALL STEEL STRAPS REFERENCED SHALL BE TESTED/APPROVED WITH A FL. PRODUCT APPROVAL # OR IN-PLANT INSPECTION REPORT. METAL STRAPS TO BE 1/2" OR 3/4" (1/2" OR 3/4" CORNERS)
- MIN. CORRIDOR WIDTH IS 44 INCHES
- MIN. CORRIDOR FINISH IS CLASS B (GYPSUM)
- WINDOW AND DOOR HIGH WIND STORM COVERINGS PER CODE TO BE SUPPLIED AND SITE INSTALLED BY OTHERS SUBJECT TO LOCAL JURISDICTION AND APPROVAL.
- PLAN REVIEW AND INSPECTION REQUIRED BY CHAPTER 633 F.S., TO BE DONE BY THE LOCAL FIRE SAFETY INSPECTOR.
- PORTABLE FIRE EXTINGUISHER PER N.F.P.A. 101 INSTALLED BY OTHERS ON SITE, AND SUBJECT TO LOCAL JURISDICTION AND APPROVAL.
- THIS BUILDING REQUIRES A FIRE SEPARATION DISTANCE IN ACCORDANCE WITH TABLE 602 OF THE 2010 FLORIDA BUILDING CODE w/ 2012 SUPPLEMENTS.
- WHEN LOW SIDE OF ROOF PROVIDES LESS THAN 4" OF OVERHANG GUTTERS AND DOWNSPOUTS WILL BE REQUIRED, SITE INSTALLED AND SUBJECT TO LOCAL JURISDICTION.
- IN WIND BORNE DEBRIS REGIONS, EXTERIOR GLAZING SHALL BE PROTECTED WITH AND IMPACT RESISTANT COVERING OR WITH MINIMUM 7/16" WOOD STRUCTURAL PANELS PER SECTION 1609.1.4 OF THE FBC. PANELS SHALL BE PERMITTED TO COVER THE GLAZED OPENINGS WITH ATTACHMENT HARDWARE PROVIDED PER TABLE 1609.1.4 THE IMPACT RESISTANT COVERING OR WOOD STRUCTURAL PANELS ARE TO BE PROVIDED ON SITE BY THE BUILDING OWNER SUBJECT TO LOCAL JURISDICTION AND APPROVAL.
- WIND BORNE DEBRIS REGIONS ARE AREAS WITHIN ONE MILE OF THE COASTAL MEAN HIGH WATER LINE WHERE THE BASIC WIND SPEED IS 110 MPH OR GREATER AND AREAS WHERE THE BASIC WIND SPEED IS 120 MPH OR GREATER.
- ALL MATERIALS USED IN THE CONSTRUCTION OF THE BUILDING WHICH ARE COVERED BY THE FLORIDA BUILDING CODE IN CHAPTER 633 F.S. HAVE CURRENT FLORIDA PRODUCT APPROVAL.
- THESE PLANS COMPLY WITH THE 2010 FLORIDA BUILDING CODE w/ 2012 SUPPLEMENTS.
- THE RAISED SEAL SET OF PLANS ARE ON FILE IN THE THIRD PARTY AGENCY'S OFFICE AS DIRECTED BY DPBR.
- EMERGENCY LIGHTING SHALL BE CAPABLE OF PROVIDING INITIAL ILLUMINATION THAT IS AT LEAST AN AVERAGE OF 1 FOOT-CANDLE AND A MIN. OF 1 FC MEASURED ALONG THE EGRESS AT THE FLOOR LEVEL. ILLUMINATION LEVELS SHALL BE PERMITTED TO DECLINE TO .5 FC AVERAGE AND A MINIMUM AT ANY POINT OF .25 FC AT THE END OF THE EMERGENCY LIGHT TIME DURATION. A MAXIMUM TO MINIMUM ILLUMINATION RATIO OF 40 TO 1 SHALL NOT BE EXCEEDED, THE EMERGENCY POWER SYSTEM SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES.

ELECTRICAL NOTES

- ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES OF THE NATIONAL ELECTRICAL CODES (NEC)
- WHEN LIGHT FIXTURES ARE INSTALLED IN CLOSETS THEY SHALL BE SURFACE MOUNTED OR RECESSED. INCANDESCENT FIXTURES SHALL HAVE COMPLETELY ENCLOSED LAMP(S), SURFACE MOUNTED INCANDESCENT FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 12 INCHES AND ALL OTHER FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 8 INCHES FROM "STORAGE AREA" AS DEFINED BY NEC 410-8.4
- 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.
- 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.
- 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
- THE MAIN ELECTRICAL PANEL AND FEEDERS ARE DESIGNED BY OTHERS, SITE INSTALLED AND SUBJECT TO LOCAL JURISDICTION APPROVAL.
- ALL CIRCUITS CROSSING OVER MODULE MATING LINE(S) SHALL BE SITE CONNECTED WITH APPROVED ACCESSIBLE ALLOCATION BOXES OR CABLE CONNECTORS.
- REFERENCE STATE APPROVED PACKAGE FOR ELECTRICAL RISER DIAGRAM.
- EXTERIOR LIGHTS NOT INTENDED FOR 24 HOUR USE AND SHALL BE CONNECTED TO A PHOTOCELL OR TIMER.
- ALL RECEPTACLES INSTALLED IN WET LOCATIONS (EXTERIOR) SHALL BE IN WEATHER PROOF (W.P.) ENCLOSURES, THE INTEGRITY OF WHICH IS NOT AFFECTED WHEN AN ATTACHMENT PLUG CAP IS INSERTED OR REMOVED.
- WHEN NOT SHOWN ON THE PLANS PROVISIONS FOR EXIT DISCHARGE LIGHTING (INCLUDING EXIT DISCHARGE EMERGENCY LIGHTS) ARE DESIGNED BY OTHERS AND THE RESPONSIBILITY OF THE BUILDING OWNER AND SUBJECT TO LOCAL JURISDICTION APPROVAL.

ACCESSIBILITY NOTES

- 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.
- 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 IN BENDING.
- WHERE STORAGE FACILITIES SUCH AS CABINETS, SHELVES, CLOSETS, AND DRAWERS ARE PROVIDED AT LEAST ONE OF EACH 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 WITHIN 15 INCHES MINIMUM AND 48 INCHES MAXIMUM OF THE FLOOR FOR FORWARD REACH OR 9 INCHES MINIMUM AND 48 INCHES MAXIMUM, OF THE FLOOR FOR SIDE REACH; CLOTHES RODS SHALL BE A MINIMUM OF 94 INCHES ABOVE THE FLOOR (48 INCHES MAXIMUM WHEN DISTANCE FROM WHEELCHAIR TO ROD EXCEEDS 10 INCHES).
- CONTROLS, DISPENSERS, RECEPTACLES AND OTHER OPERABLE EQUIPMENT SHALL BE LOCATED BETWEEN 15" - 48" ABOVE THE FLOOR. THIS RANGE WILL COMPLY FOR ADULTS. USE TABLE 308.1 FOR CHILDREN. 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.
- WHERE EMERGENCY WARNING SYSTEMS ARE PROVIDED, THEY SHALL INCLUDE BOTH AUDIBLE AND VISUAL ALARMS. THE VISUAL ALARMS SHALL BE LOCATED THROUGHOUT INCLUDING RESTROOMS, AND PLACED 80 INCHES ABOVE THE FLOOR OR 8 INCHES BELOW CEILING, WHICHEVER IS LOWER.
- DOORS TO ALL ACCESSIBLE SPACES SHALL HAVE ACCESSIBLE HARDWARE (i.e. LEVER - OPERATED, PUSH TYPE, U SHAPED) MOUNTED NO HIGHER THAN 48 INCHES ABOVE THE FLOOR.
- ALL DOORS SHALL BE OPENABLE BY A SINGLE EFFORT THE MAXIMUM FORCE REQUIRED TO OPEN A DOOR SHALL NOT EXCEED 8.5 LBS. FOR EXTERIOR SWINGING DOORS AND 5 LBS. FOR ALL SLIDING, FOLDING, AND INTERIOR SWINGING DOORS.
- FLOOR SURFACES SHALL BE STABLE, FIRM, AND SLIP-RESISTANT CHANGES IN LEVEL BETWEEN 0.25 INCHES 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 TILE THICKNESS SHALL BE 0.5 INCH 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.
- ACCESSIBLE WATER CLOSETS SHALL BE 19 INCHES FROM THE FLOOR TO THE TOP OF THE SEAT GRAB BARS SHALL BE 36 INCHES LONG MINIMUM WHEN LOCATED BEHIND THE WATER CLOSET AND 42 INCHES MINIMUM WHEN LOCATED ALONG THE SIDE OF THE WATER CLOSET AND SHALL BE MOUNTED 33" MIN. & 36" MAX. FROM FLOOR TO THE TOP OF THE RAIL.
- ACCESSIBLE URINALS SHALL BE STALL-TYPE OR WALL HUNG WITH ELONGATED RIMS AT A MAXIMUM OF 17 INCHES ABOVE THE FLOOR.
- ACCESSIBLE LAVATORIES SHALL BE MOUNTED WITH THE RIM NO HIGHER THAN 34 INCHES ABOVE THE FLOOR AND A CLEARANCE OF AT LEAST 20 INCHES ABOVE THE FLOOR TO THE BOTTOM OF THE APRON.
- ACCESSIBLE SINKS SHALL BE MOUNTED WITH RIM NO HIGHER THAN 34 INCHES ABOVE THE FLOOR AND A CLEARANCE OF AT LEAST 27 INCHES HIGH, 30 INCHES WIDE, AND 18 INCHES DEEP UNDERMOUNT SINK. THE SINK DEPTH SHALL BE 6.5 INCHES MAXIMUM.
- HOT WATER AND DRAIN PIPES UNDER ACCESSIBLE LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT CONTACT INSULATION OR PROTECTION MATERIAL MAY BE SITE INSTALLED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER ACCESSIBLE LAVATORIES AND SINKS.
- ACCESSIBLE LAVATORIES AND SINKS SHALL HAVE ACCESSIBLE FAUCETS (i.e. LEVER - OPERATED, PUSH-TYPE, OR AUTOMATICALLY CONTROLLED).
- WHERE MIRRORS ARE PROVIDED IN RESTROOM, AT LEAST ONE SHALL BE PROVIDED WITH ITS BOTTOM EDGE NO HIGHER THAN 40 INCHES ABOVE THE FLOOR.
- WHERE MIRROR CABINETS ARE PROVIDED, AT LEAST ONE SHALL BE LOCATED WITH A USABLE SHELF NO HIGHER THAN 44 INCHES ABOVE THE FLOOR.
- GRAB BARS REQUIRED FOR ACCESSIBILITY SHALL BE 1.25 INCHES TO 1.5 INCHES IN DIAMETER WITH 1.5 INCHES CLEAR SPACE BETWEEN THE BAR AND THE WALL.
- TOILET STALL DOORS SHALL BE THE SELF-CLOSING TYPE.
- A TOWEL DISPENSER SHALL BE LOCATED ADJACENT TO ALL ACCESSIBLE LAVATORIES.
- WATER CLOSET FLUSH CONTROL SHALL BE MOUNTED ON THE WIDE SIDE OF THE CLOSET

IN-PLANT INSPECTIONS:

In-plant inspections shall be conducted in compliance with FBC 428.3-3.5, FAC Rule 61-41.028(2) and SS 563.415(9) & (10). The building shall bear an insignia that validates the in-plant construction. A code compliance plan review and inspection by Florida licensed personnel, in accordance with Florida State Statute Part XII chapter 488, and is in compliance with Florida laws, rules, and codes.

C.B.P.B REMOVAL AND REPLACEMENT

- REMOVE EXISTING SIDING
- REMOVE BOTTOM BOARD OF SHEATHING.
- HEADS OF HILTI PIN FASTENERS ARE CUT OFF AT BOTTOM PLATE OF WALL.
- USING A HYDRAULIC JACK THE WALLS ARE LIFTED.
- EXISTING C.B.P.B. IS CUT OUT/REMOVED COMPLETELY.
- REMAINDER OF HILTI PINS ARE TO BE CUT OFF WITH THE USE OF A GRINDER.
- UNDER-RIGGING PAPER IS SECURED TO I-BEAM.
- NEW STRUCTO-CRETE PANELS ARE INSTALLED.
- WALL IS LOWERED AND REFASTENED TO I-BEAM USING HILTI FASTENERS (PER MANUF. SPECS)
- WALL SHEATHING/COVERINGS ARE REINSTALLED.

COMPLETION NOTE

TO THE BEST OF MY KNOWLEDGE, THESE DRAWINGS ARE COMPLETE AND COMPLY WITH THE 2010 FLORIDA BUILDING CODE w/ 2012 SUPPLEMENTS.

SERIAL #'S:

10768AB
10760AB
10775AB

ADDITIONAL PROJECT INFORMATION

- BUILDING IS TO BE RECERTIFIED
- ORIGINAL PLAN TRACKING#: 03071.43
- SCOPE OF WORK:
NEW FLOOR COVERING
INSTALL (2) NEW WINDOWS
INSTALL (1) NEW EXTERIOR DOORS
UPGRADE FLOOR INSULATION
INSTALL S.I.P. PANELS AS NEW SIDING
REMOVE EXISTING FLOOR DECKING &
INSTALL NEW DECKING (STRUCTOCRETE)
UPGRADE 36" LENGTH EXTERIOR WALL AND
(1) ENDWALL TO A 1 HOUR RATING
ADD CRICKETS TO ROOF TO AID DRAINAGE

ADDITIONAL 3rd PARTY INFORMATION:

A SIGNED/SEALED SET OF PLANS IS MAINTAINED ON FILE IN THE 3rd PARTY AGENCY OFFICE.

THESE PLANS COMPLY WITH FLORIDA PRODUCT APPROVAL CODE FAC 61G20-3.

* NOTICE

PLEASE REVIEW PLANS COMPLETELY ANY COMPONENTS CROSSING MATE. LINES WILL BE SITE INSTALLED BY SET UP CREW

NOTE:
THE EXISTING BUILDING CONSTRUCTION HAS BEEN EVALUATED AND FOUND TO BE COMPLIANT WITH THE HVHZ PRESCRIPTIVE REQUIREMENTS OF THE 2010 FBC w/ 2012 SUPPLEMENTS.

NOTE:
THIS BUILDING HAS BEEN DESIGNED TO MEET THE REQUIREMENTS FOR PLACEMENT IN THE HIGH VELOCITY HURRICANE ZONE.

NOTE:
MINIMUM PLUMBING FACILITIES TO BE PROVIDED IN ACCORDANCE WITH FBC 403.4.1 AND SUBJECT TO THE APPROVAL BY THE LOCAL AUTHORITY HAVING JURISDICTION

NOTE:
THE FLOOR AND ROOF DESIGN OF THIS PLAN IS 'LIGHT-FRAME TRUSS TYPE CONSTRUCTION' AS REFERENCED IN F.A.C. RULE 69A-3.012. POSTING OF NOTICE SIGN(S) AS REQUIRED BY F.A.C. RULE 69A-3.012(b) SHALL BE SITE INSTALLED AND IS THE RESPONSIBILITY OF THE BUILDING OWNER.

NOTE:
PLEASE REFERENCE WIND MAP 1609B OF THE 2010 FLORIDA BUILDING CODE FOR ALLOWABLE SITE PLACEMENT

NOTE:
THIS BUILDING DOES NOT MEET THE FLORIDA ENHANCED HURRICANE PROTECTION AREA REQUIREMENTS

NOTE:
THESE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH FAC RULE 61-41

MODULAR PLANS DESIGN, CO.
THOMAS L. WELTON,
FLORIDA # ARC01733

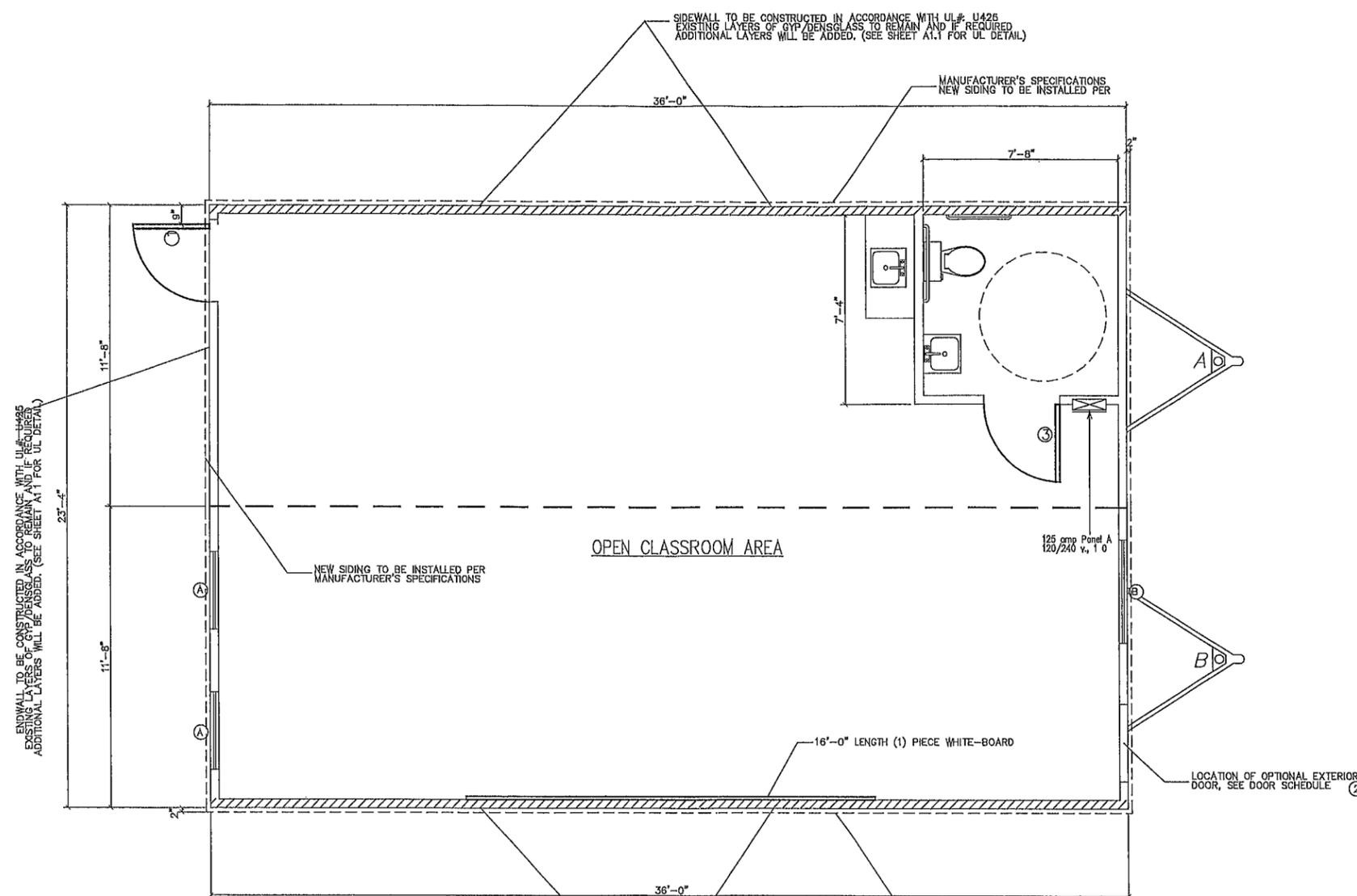
MPD
Company

MODULAR STRUCTURE FOR:
Mobile-Modular
(24' X 36' CLASSROOM)

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FAX: 863-688-7118
MODULARPLANS@TAMPABAY.PRC.COM

SUITE 201
1074 S. FLORIDA AVE.
LAKELAND, FLORIDA
33803

REVISION DATE: 08-15-2013
DATE: 07-31-2013
DRAWN: R.C.S.
JOB #: MPD-1913
SHEET NO: C1

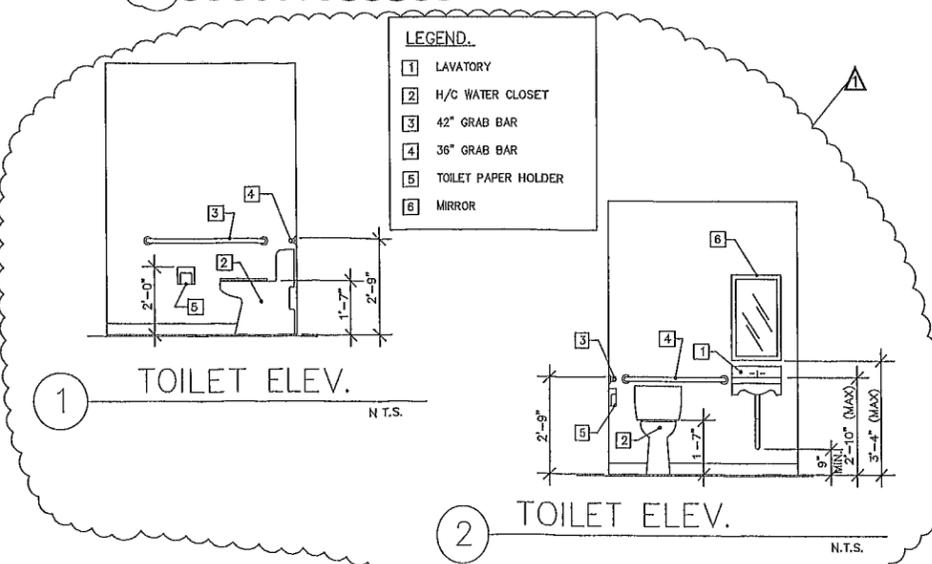


DOOR SCHEDULE							
#	SIZE	DESCRIPTION	QTY	HEADER	JACKS	KINGS	COMMENTS
1	36x80	STEEL/STEEL W/8"x42" V.B.	2	STEEL	1	2	FL # 6378 R1
HARDWARE: CLOSURE, CLASSROOM LEVER SET, KICK PLATE, ADA THRESHOLD							
2	72x80	S.C. - 1" w/ STEEL FRAME	1	STEEL	1	1	FL # 14237-R1
HARDWARE: CLOSURE, CLASSROOM LEVER SET, KICK PLATE, ADA THRESHOLD (OPTIONAL DOOR)							
3	36x80	S.C. - PRE-HUNG STAINED	1	STEEL	1	1	EXISTING
HARDWARE: PRIVACY LEVER SET							

WINDOW SCHEDULE							
#	SIZE	DESCRIPTION	QTY	HEADER	JACKS	KINGS	COMMENTS
A	36X49-5/8	VS/BRONZE/WHITE/CLEAR	2	STEEL	1	2	FL # 14039.1
B	48X50	VS/BRONZE/WHITE/CLEAR	1	STEEL	1	2	FL # 2864 R2

PRODUCT APPROVAL			
PRODUCT CATEGORY	SUB. CATEGORY	MANUFACTURER	STATE OF FLORIDA APPROVAL #
DOORS	EXTERIOR	FLEMING-BARON	FL# 14237
WINDOWS	SLIDER	HR WINDOWS	FL# 14039.1 NOA# 11-1013
ROOFING	SINGLE PLY ROOFING	EPDM	FL# 1601 R5
EXT SIDING	SIDING	M.B.C.I.	FL# 14620 R1 NOA# 11-103.2

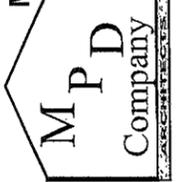
FLOOR PLAN (w/ OPTIONAL RESTROOM)
SCALE 3/8" = 1'-0"



ELECTRICAL LEGEND	
⊖ DUPLEX RECEPT @ 16" A.F.F.	⊖ EXHAUST FAN
⊖ DUPLEX RECEPT @ 42" A.F.F.	⊖ EXHAUST FAN / LIGHT
⊖ RECEPT 220 VOLT	⊖ EMERGENCY LIGHT
⊖ SWITCH	⊖ J BOX FOR MANUAL PULL STATION
⊖ PHONE JACK @ 42" A.F.F.	⊖ 10" X 10" SUPPLY AIR REGISTER
⊖ PHONE JACK @ 16" A.F.F.	⊖ 12" X 12" RETURN AIR GRILLE
⊖ THERMOSTAT	⊖ EMERGENCY EXIT SIGN
⊖ INCANDESCENT LIGHT 60W. MAX.	⊖ FLORESCENT FIXTURE 87.5W. MAX.
⊖ WATER PROOF PORCH LIGHT 60W. MAX.	
⊖ PHOTO CELL	

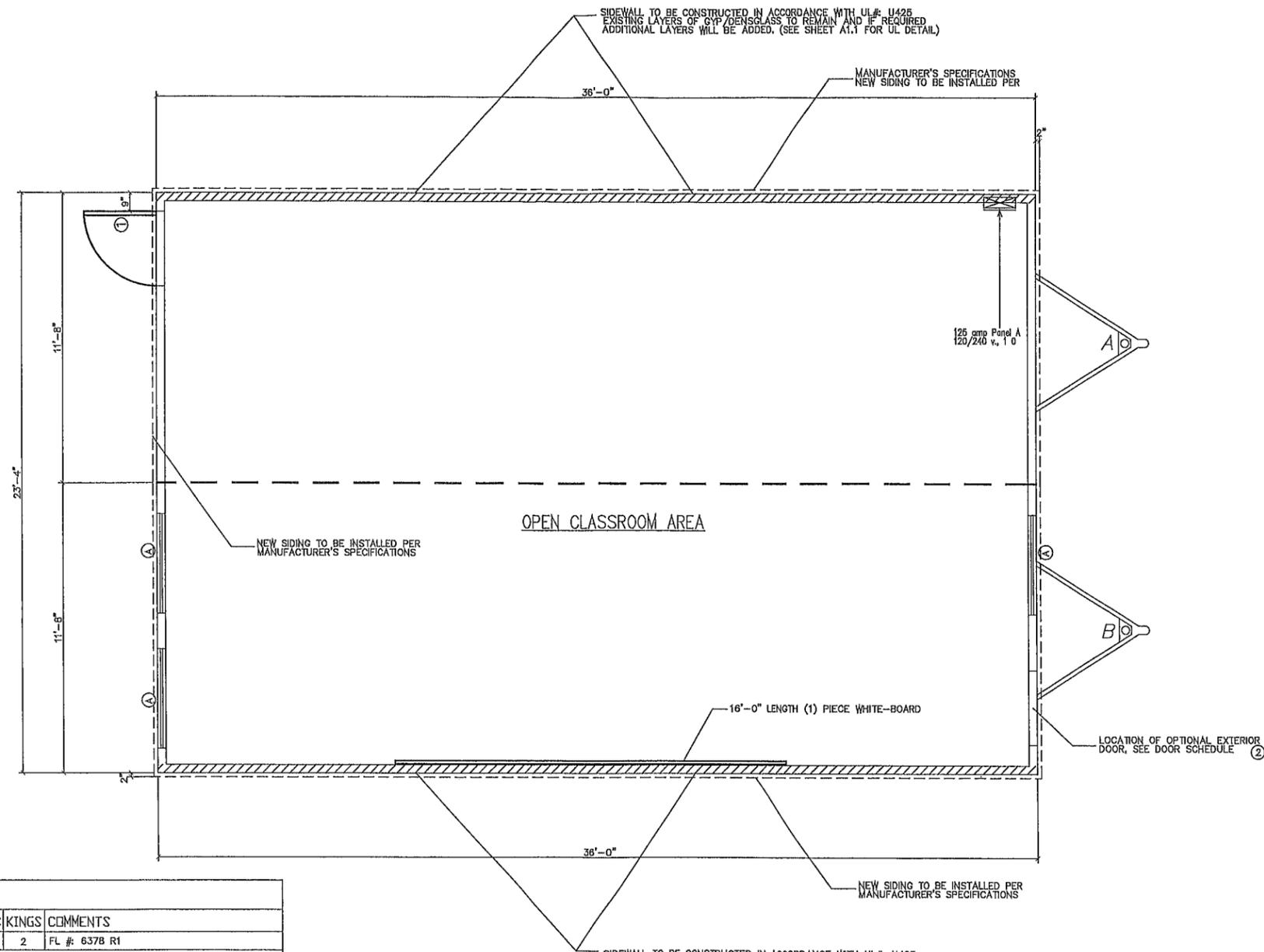
REVISION DATE: 08-15-2013	DATE: 07-31-2013
	DRAWN: R.C.S.
	JOB #: MPD-1813
	SHEET NO: A1

MODULAR PLANS DESIGN, CO.
THOMAS L. MELTON,
1074 S. FLORIDA AVE., SUITE 201
LAKELAND, FLORIDA 33803



MODULAR STRUCTURE FOR:
Mobile-Modular
(24' X 36')

FLORIDA #AOC017033
PH: 888-888-1054
MODULARPLANS@TAMPABAYFLORIDA.COM



FLOOR PLAN (NO RR)

SCALE: 3/8" = 1'-0"

DOOR SCHEDULE							
#	SIZE	DESCRIPTION	QTY	HEADER	JACKS	KINGS	COMMENTS
①	36x80	STEEL/STEEL W/6"x42" V.B	2	STEEL	1	2	FL # 637B R1
HARDWARE: CLOSURE, CLASSROOM LEVER SET, KICK PLATE, ADA THRESHOLD							
②	72x80	S.C. - 1" W/ STEEL FRAME	1	STEEL	1	1	FL # 14237-R1
HARDWARE: CLOSURE, CLASSROOM LEVER SET, KICK PLATE, ADA THRESHOLD (OPTIONAL DOOR)							
③	36x80	S.C. - PRE-HUNG STAINED	1	STEEL	1	1	EXISTING
HARDWARE: PRIVACY LEVER SET							

WINDOW SCHEDULE							
#	SIZE	DESCRIPTION	QTY	HEADER	JACKS	KINGS	COMMENTS
Ⓐ	36X48-6	48"/BRONZE/WHITE/CLEAR	2	STEEL	1	2	FL # 14039.1
Ⓑ	48X60	VS/BRONZE/WHITE/CLEAR	1	STEEL	1	2	FL # 2864 R2

PRODUCT APPROVAL			
PRODUCT CATEGORY	SUB. CATEGORY	MANUFACTURER	STATE OF FLORIDA APPROVAL #
DOORS	EXTERIOR	FLEMING-BARON	FL# 14237
WINDOWS	SLIDER	HR WINDOWS	FL# 14039.1 NOA# 11-1013.
ROOFING	SINGLE PLY ROOFING	EPDM	FL# 1601 R5
EXT SIDING	SIDING	M.B.C.I.	FL# 14620 R1 NOA# 11-1013.2

ELECTRICAL LEGEND	
⊖ DUPLEX RECEPT @ 16" A.F.F.	⊖ EXHAUST FAN
⊖ DUPLEX RECEPT @ 42" A.F.F.	⊖ EXHAUST FAN / LIGHT
⊖ RECEPT 220 VOLT	⊖ EMERGENCY LIGHT
⊖ SWITCH	⊖ J BOX FOR MANUAL PULL STATION
⊖ PHONE JACK @ 42" A.F.F.	⊖ 10" X 10" SUPPLY AIR REGISTER
⊖ PHONE JACK @ 16" A.F.F.	⊖ 12" X 12" RETURN AIR GRILLE
⊖ THERMOSTAT	⊖ EMERGENCY EXIT SIGN
⊖ INCANDESCENT LIGHT 80% MAX.	⊖ FLORESCENT FIXTURE 87.6% MAX.
⊖ WATER PROOF PORCH LIGHT 80% MAX.	
⊖ PHOTO CELL	

MODULAR PLANS DESIGN, CO.
THOMAS L. MELTON,
FLORIDA # A0002755



MODULAR STRUCTURE FOR:
Mobile-Modular
(24' X 36')

DATE: 07-31-2013
DRAWN: R.C.S.
JOB #: MPD-1813
SHEET NO
A1.A

PH: 885-688-1054
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33803

REVISION DATE:

