

DATE	REVISION NOTES

BELMONT ACADEMY
PORTABLE CLASSROOM STRUCTURES
 PHASE 2
 GRADING PLAN

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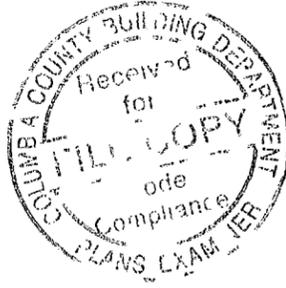
For Permitting and Review. Not Final.

DRAWN BY DW	CHECKED BY DW
PROJECT # 1130	SHEET

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 IBC w/ 2012 SUPPLEMENTS ASCE 7-10 CODE 2010 FLORIDA FIRE PREVENTION CODE (w/ FL VERSION OF NFPA 101 & NFPA 1) 2009 NEC	
BUILDING DEAD LOADS A. ROOF = 10 PSF B. FLOOR = 10 PSF C. WALLS = 6 PSF	
BUILDING LIVE LOADS A. ROOF = 30 PSF B. FLOOR = 40 PSF	
ROOF SNOW LOAD: N/A	
WIND LOAD CRITERIA: 1. 100 MPH (VHZ) WIND SPEED 2. III RISK CATEGORY 3. III BUILDING CATEGORY 4. ENCLOSURE CLASSIFICATION: ENCLOSED GCF = 0.18 INTERNAL PRESSURE COEFFICIENT 5. C EXPOSURE FACTOR	
6. COMPONENT & CLADDING LOAD: (ROOF) Pr = -27.7 PSF (ZONE 1), -43.4 PSF (ZONE 2), -54.9 PSF (ZONE 3) (WALL) Pw = -27.5 PSF (ZONE 4), Pw = -28.8 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.	
1. THE COMPLETE FOUNDATION SUPPORT AND THE DOWN SYSTEM.	
2. RAMPS, STAIRS AND GENERAL ACCESS TO THE BUILDING.	
3. PORTABLE FIRE EXTINGUISHERS (5).	
4. DRINKING FOUNTAIN, BUILDING GRABS, CLEAN-OUTS, AND HOOK-UP TO PLUMBING SYSTEM.	
5. ELECTRICAL SERVICE HOOK-UP (INCLUDING FEEDERS) TO THE 6. THE MAIN ELECTRICAL PANEL AND SUB-FEEDERS (MULTI-UNIT BUILDING).	
7. CONNECTION OF ELECTRICAL CIRCUITS CROSSING OVER MODULE ONLY, MATING LINES (S) (MULTI-UNIT ONLY).	
8. STRUCTURAL AND AESTHETIC INTERCONNECTIONS BETWEEN 9. WINDOW AND DOOR HIGH WIND STORM COVERINGS PER CODE.	
10. GUTTERS AND DOWNSPOUTS (IF APPLICABLE).	
11. SINK AND CABINETS.	
12. FIRE ALARM SYSTEM WIRING, ETC. IF REQUIRED, SYSTEM MUST BE CONNECTED TO FACILITY SYSTEM IF LOCATED WITHIN 60' OF THE MAIN BUILDING.	
13. THERMAL EXPANSION DEVICE IF REQUIRED.	
14. ROOFED PLATFORM FOR ALL EXTERIOR DOORS. (BY OTHERS)	
DRAWING INDEX.	
C1	COVER SHEET
ORIGINAL BUILDING PLANS (13 SHEETS)	
A1	FLOOR PLAN
A1A	FLOOR PLAN
A11	DETAILS
A12	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 ENCLOSURE (WHEN PROVIDED) MUST HAVE A SQUARE FOOT NET VENT AREA PER 111 SQ. FT. OF FLOOR AREA, AND A 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-4 INSULATION VALUE. DUCTS LOCATED IN UNCONDITIONED INTERIOR SPACE, INTERIOR SPACES SHALL HAVE AN R-2 INSULATION VALUE.	
2. RESTROOM VENT FANS SHALL PROVIDE 60 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 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. DWY SYSTEM SHALL BE EITHER ABS OR PVC DWY	
7. 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 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. SHOWERS SHALL BE CONTROLLED BY AN APPROVED MIXING VALVE WITH A MAXIMUM WATER OUTLET TEMPERATURE OF 120° F (48.9° 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 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 60% OF PUBLIC ENTRANCES (INCLUDING PRIMARY ENTRANCES) 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 SAFETY TEMPERED OR ACRYLIC PLASTIC SHEET	
4. FLOOR DESIGN LIVE LOAD 100 PSF (LOBBIES & CORRIDORS) 50 PSF (REMAINDER)	
5. MAXIMUM WIND LOADS +SE-30-PARTY CHART	
6. OCCUPANCY IS EDUCATION (PUBLIC)	
7. OCCUPANT LOAD: 45 PEOPLE, (BASED ON 1 PERSON PER 20 SQUARE FT OF AREA, SEE 3RD PARTY CHART)	
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 553.422, METAL STUDS TO BE 16" 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. ILM REVIEW AND INSPECTION REQUIRED BY CHAPTER 633 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 602 OF THE 2010 FLORIDA BUILDING CODE w/ 2012 SUPPLEMENTS.	
16. WHEN LOW SIDE 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 AND IMPACT RESISTANT COVERING OR WITH MINIMUM 7/16" WOOD STRUCTURAL PANELS PER SECTION 1609.1.4 OF THE FBC. PANELS SHALL BE PRECUT TO COVER THE GLAZED OPENING 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.	
18. ALL MATERIALS USED IN THE CONSTRUCTION OF THE BUILDING WHICH ARE COVERED BY THE FLORIDA BUILDING CODE SHALL HAVE CURRENT FLORIDA PRODUCT APPROVAL.	
19. THESE PLANS COMPLY WITH THE 2010 FLORIDA BUILDING CODE w/ 2012 SUPPLEMENTS.	
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 FC 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 0.1 FC AT THE END OF THE EMERGENCY LIGHT 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 AT 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. 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 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 REACHING.	
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 (a) TOUCH LATCHES, U-SHAPED PULLS; SPACES SHALL BE WITHIN 16 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; CLOTHES RODS SHALL BE A MINIMUM OF 64 INCHES ABOVE THE FLOOR (48 INCHES MAXIMUM WHEN DISTANCE FROM WHEELCHAIR TO ROD EXCEEDS 10 INCHES)	
4. CONTROLS, DISPENSERS, RECEPTACLES AND OTHER OPERABLE EQUIPMENT SHALL BE LOCATED BETWEEN 16" - 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 16 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 80 INCHES ABOVE THE FLOOR OR 6 INCHES BELOW CEILING, WHICHEVER IS LOWER.	
6. DOORS TO ALL ACCESSIBLE SPACES SHALL HAVE ACCESSIBLE HARDWARE (a) 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 SWINGING 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 0.26 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 PILE THICKNESS SHALL BE 0.5 INCH MAX. GRATINGS IN FLOOR SHALL HAVE SPACES NO GREATER THAN 0.6 INCH WIDE IN ONE DIRECTION. DOORWAY THRESHOLDS SHALL NOT EXCEED 0.6 INCH IN HEIGHT	
9. ACCESSIBLE WATER CLOSETS SHALL BE 10 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. & 39" MAX. FROM FLOOR TO THE TOP OF THE BAR.	
10. ACCESSIBLE URINALS SHALL BE STALL-TYPE OR WALL HUNG 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 29 INCHES ABOVE THE FLOOR TO THE BOTTOM OF THE ARROW.	
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 19 INCHES DEEP UNDERNEATH SINK. THE SINK DEPTH SHALL BE 8 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 (a) 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 48 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 TOILET DISPENSER SHALL BE LOCATED ADJACENT TO ALL ACCESSIBLE LAVATORIES.	
20. 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 424.5-3.5, FAC Rule 61-41.028(2) and SS 563.418(9) & (10). The building shall bear an insignia that validates the in-plant construction received a code compliance plan review and was inspected by Florida license personnel, in accordance with State Statute Part XII chapter 488, and is in compliance with Florida laws, rules, and codes.	

C.B.P.B. REMOVAL AND REPLACEMENT	
1. REMOVE EXISTING SIDING	
2. REMOVE BOTTOM BOARD OF SHEATHING.	
3. HEADS OF HILTI PIN FASTENERS ARE CUT OFF AT BOTTOM PLATE OF WALL.	
4. USING A HYDRAULIC JACK THE WALLS ARE LIFTED	
5. EXISTING C.B.P.B. IS CUT OUT/REMOVED COMPLETELY.	
6. REMAINDER OF HILTI PINS ARE TO BE CUT OFF WITH THE USE OF A GRINDER	
7. UNDER-RIGGING PAPER IS SECURED TO I-BEAM	
8. NEW STRUCTURE PANELS ARE INSTALLED	
9. WALL IS LOWERED AND REFASTENED TO I-BEAM USING HILTI FASTENERS (PER MANUF. SPECS)	

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 (STRUCTURE) CONCRETE)
UPGRADE 30' 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 MATR. 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 REFERENCED BY F.A.C. RULE 69A-3.012(6) 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

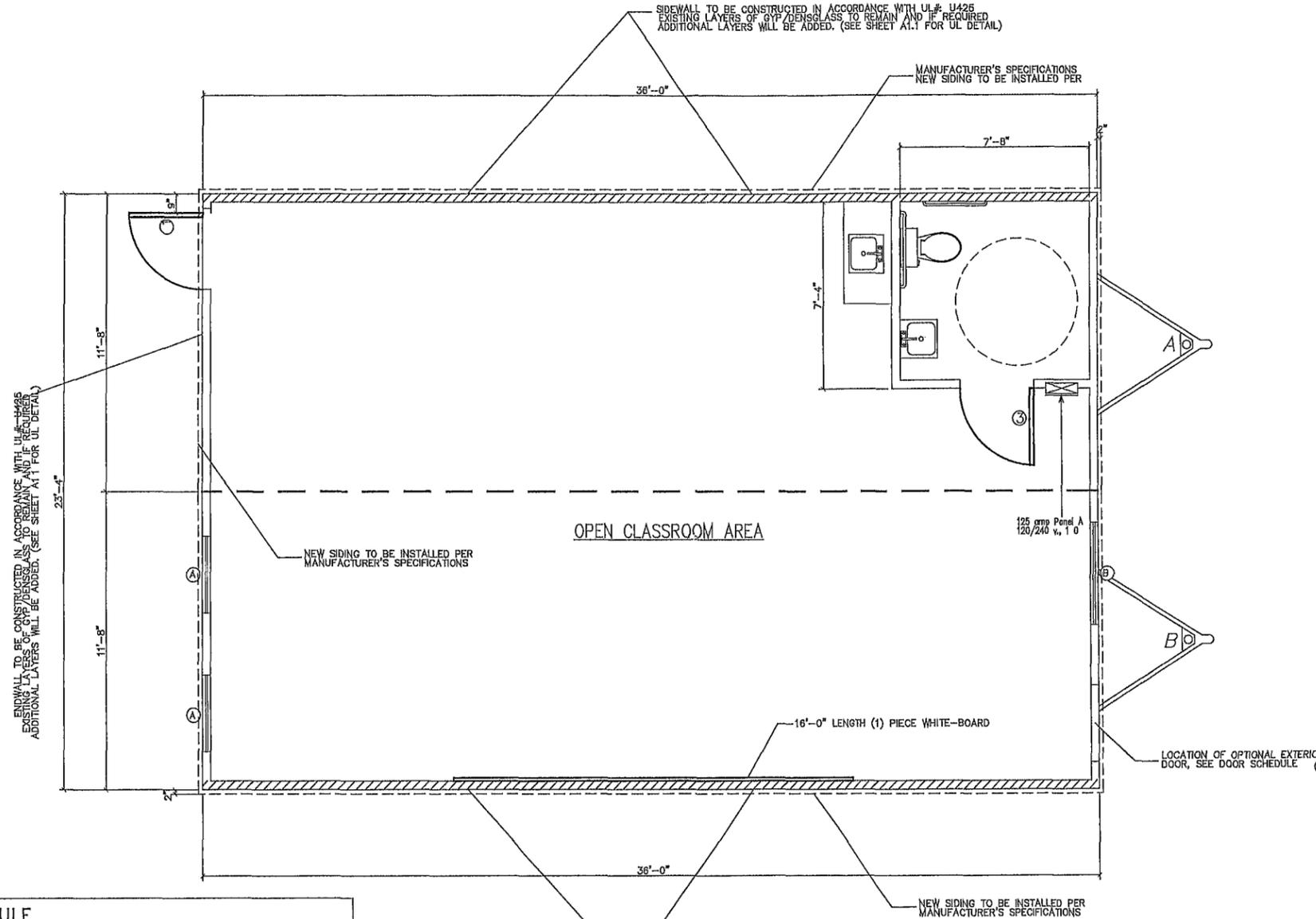
COMPLETION NOTE
TO THE BEST OF MY KNOWLEDGE, THESE DRAWINGS ARE COMPLETE AND COMPLY WITH THE 2010 FLORIDA BUILDING w/ 2012 SUPPLEMENTS.

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

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



SIDEWALL TO BE CONSTRUCTED IN ACCORDANCE WITH UL # U425
 EXISTING LAYERS OF GYP/DENSGLASS TO REMAIN AND IF REQUIRED
 ADDITIONAL LAYERS WILL BE ADDED. (SEE SHEET A1.1 FOR UL DETAIL)

SIDEWALL TO BE CONSTRUCTED IN ACCORDANCE WITH UL # U425
 EXISTING LAYERS OF GYP/DENSGLASS TO REMAIN AND IF REQUIRED
 ADDITIONAL LAYERS WILL BE ADDED. (SEE SHEET A1.1 FOR UL DETAIL)

MANUFACTURER'S SPECIFICATIONS
NEW SIDING TO BE INSTALLED PER

NEW SIDING TO BE INSTALLED PER
MANUFACTURER'S SPECIFICATIONS

OPEN CLASSROOM AREA

125 gmp Panel A
120/240 v., 1 0

16'-0" LENGTH (1) PIECE WHITE-BOARD

LOCATION OF OPTIONAL EXTERIOR
DOOR, SEE DOOR SCHEDULE ②

NEW SIDING TO BE INSTALLED PER
MANUFACTURER'S SPECIFICATIONS

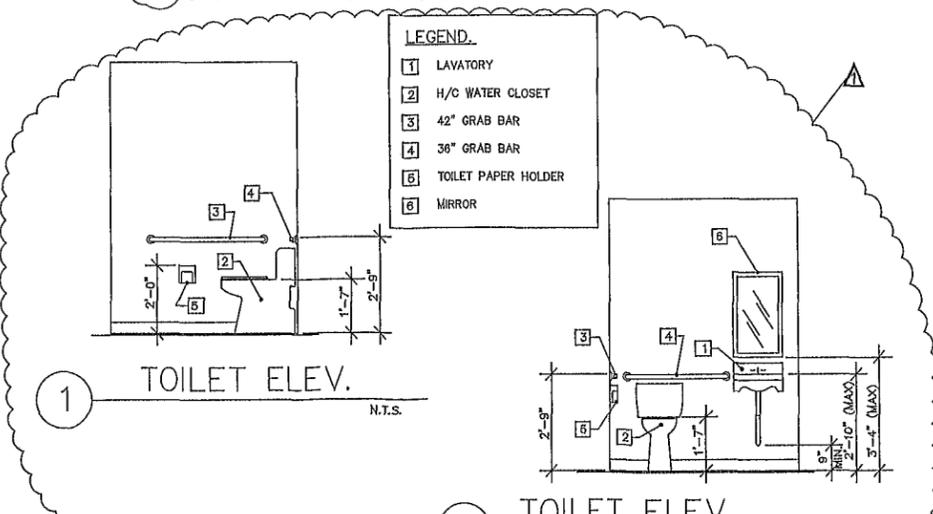
SIDEWALL TO BE CONSTRUCTED IN ACCORDANCE WITH UL # U423
 EXISTING LAYERS OF GYP/DENSGLASS TO REMAIN AND IF REQUIRED
 ADDITIONAL LAYERS WILL BE ADDED. (SEE SHEET A1.1 FOR UL DETAIL)

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

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-B	VS/BRONZE/WHITE/CLEAR	2	STEEL	1	2	FL # 14039.1
B	48X60	VS/BRONZE/WHITE/CLEAR	1	STEEL	1	2	FL # 2864 R2

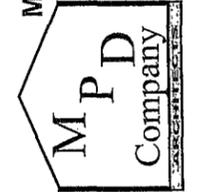
PRODUCT APPROVAL			
PRODUCT CATEGORY	SUB. CATEGORY	MANUFACTURER	STATE OF FLORIDA APPROVAL #
DOORS	EXTERIOR	FLEMING-BARON	FL# 14237
WINDOWS	SLIDER	HR WINDOWS	FL# 14039.1 NOA#: 11-1013.
ROOFING	SINGLE PLY ROOFING	EPDM	FL# 1601 R5
EXT SIDING	SIDING	M.B.C.I.	FL# 14620 R1 NOA#: 11-10 3.2



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 60W. MAX.	⊖ FLORESCENT FIXTURE 87.6W. MAX.
⊖ WATER PROOF PORCH LIGHT 60W. MAX.	
⊖ PHOTO CELL	

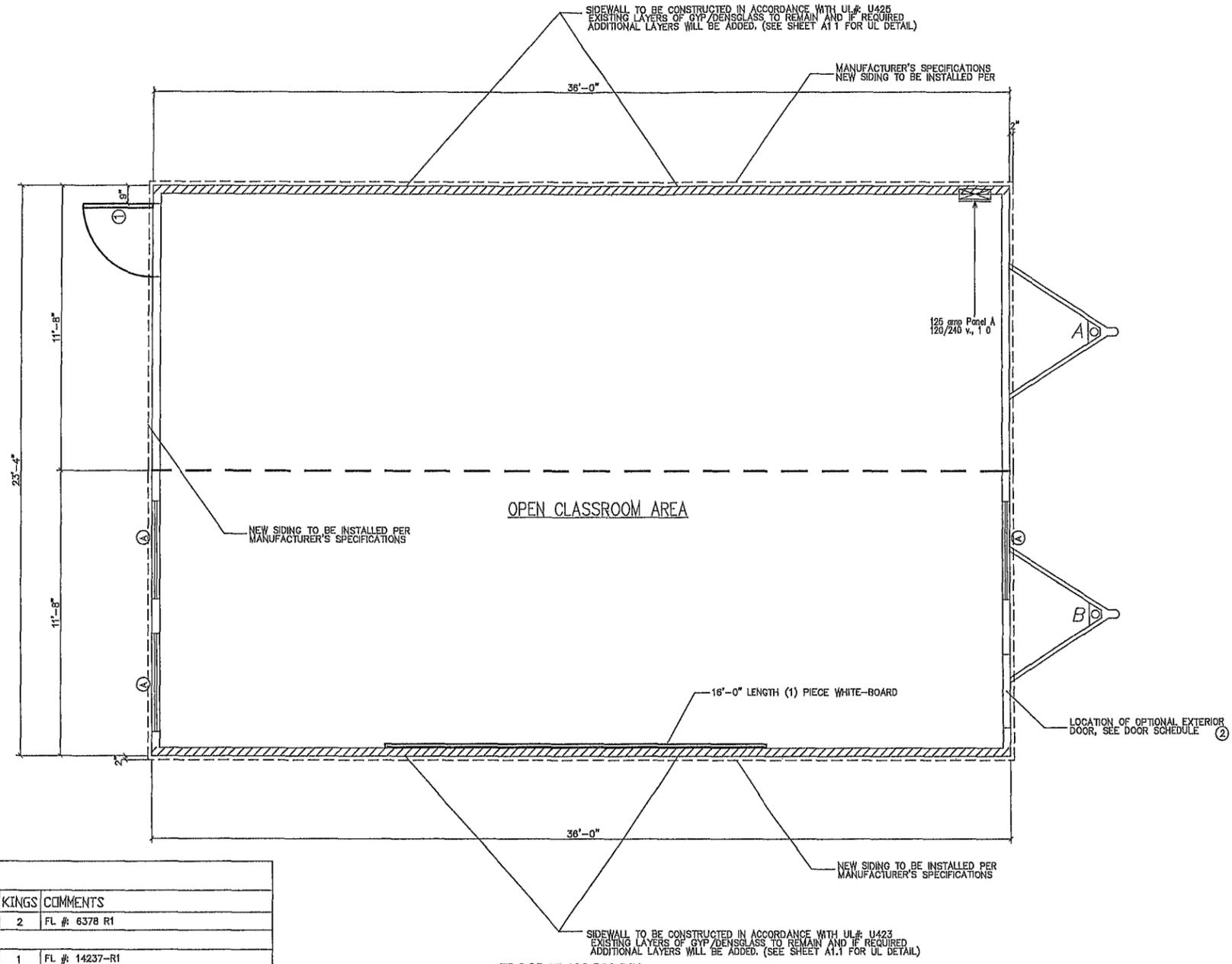
REVISION DATE:
08-16-2013

MODULAR PLANS DESIGN, CO.
 #AA002785
 FLORIDA # ARO017033
 THOMAS L. MELTON,
 1074 S. FLORIDA AVE., SUITE 201
 TAMPA, FLORIDA 33606
 PH: 888-888-1054
 FAX: 888-888-7118
 MODULARPLANS@TAMPABAY-FL.COM



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

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



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							

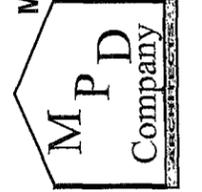
WINDOW SCHEDULE							
#	SIZE	DESCRIPTION	QTY	HEADER	JACKS	KINGS	COMMENTS
A	36X49-B/B	VS/BRONZE/WHITE/CLEAR	2	STEEL	1	2	FL #: 14039.1
B	48X60	VS/BRONZE/WHITE/CLEAR	1	STEEL	1	2	FL #: 2884 R2

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 #: 14020 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 60W. MAX.	⊕ FLORESCENT FIXTURE 67.6W. MAX.
⊕ WATER PROOF PORCH LIGHT 60W. MAX.	
⊕ PHOTO CELL	

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

MODULAR PLANS DESIGN, CO.
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 FLORIDA # ARO07033
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MODULAR STRUCTURE FOR:
Mobile-Modular
 (24' X 36')

Z: \UL DRAWINGS\U423.jpg

Design No. U423

March 07, 2012

Bearing Wall Ratings: 45 min, 1, 1-1/2 or 2 Hr (See Items 6 & 7)
Load Restricted for Canadian Applications ? See Guide EXUV7

1 Floor and Ceiling Runners - (Not shown) Channel shaped, fabricated from min 0.0329 in. bare metal thickness (No. 20 MSG) 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.
1A. 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 MSG corrosion-protected steel. Attached to floor and ceiling assemblies with steel fasteners spaced not greater than 24 in. OC.
2. Steel Studs - Min 0.0329 in. bare metal thickness (No. 20 MSG) 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 S-12 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 MSG 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 18 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 0.0329 in. (No. 20 MSG) corrosion-protected cold formed steel studs, min 3-1/2 in. deep with 1-5/8 in. wide with 1/2 in. returns. 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 S-12 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 MSG (0.0327 in. thick) 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 18 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 straps, 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, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, 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 0.282 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 90 percent of max stud capacity. When load is at 100 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 hr, 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 Batts 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 ? in. may be used as alternate to all 5/8 in. or ? in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or ? in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1A, 2A B, BA(a), Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 12) or Lead Discs or Tabs (see Item 13).
RAY-BAR ENGINEERING CORP ? Type RB-LBG

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 hour angle 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 S-12 bugle head steel screws spaced 8 in. OC to 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 S-12 steel screws spaced 8 in. OC to 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 the studs with 1-1/4 in. long Type S-12 bugle head steel screws spaced 16 in. OC to 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 S-12 bugle head steel screws spaced 16 in. OC to 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 S-12 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 S-12 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.
UNITED STATES GYPSUM CO ? 5/8 in. thick Type USGX (Joint tape and compound, Item 9, optional with Type USGX)

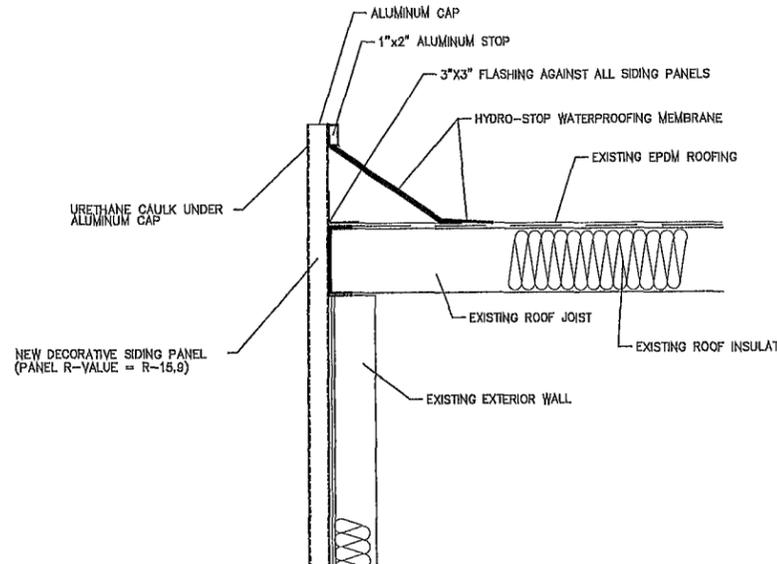
5C. Gypsum Board* : (As an alternate to Item 5 when used as the base layer on one or both sides of wall, For direct attachment only, not to be used with Item 4), Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs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

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 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1A, 2A B, BA(a), Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 12A) or Lead Discs (see Item 13A).
MAYCO INDUSTRIES INC ? Type X-Ray Shielded Gypsum

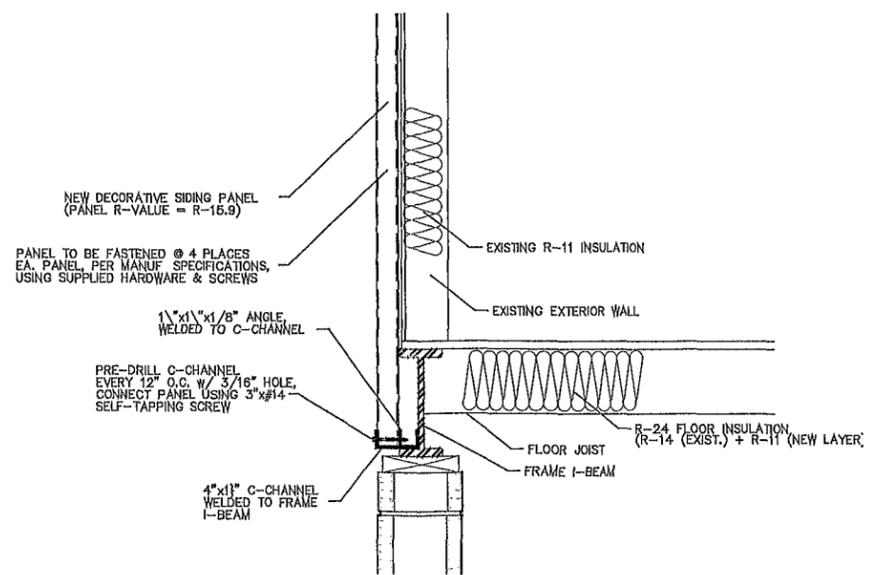
centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. See Items 1A, 2A B, BA(a), Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten 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 S-12 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 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C"
RADIATION PROTECTION PRODUCTS INC ? Type RPP-LBG

6. Fasteners - (Not shown) For use with Item 5 - Type S-12 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 with screws offset 8 in. from first layer. Three-layer systems: First layer- 1 in. long for 1/2 in. thick panels, spaced 24 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 8 in. from layer below.
7. Batts and Blankets* ? (Required as indicated under Item 5) ? Nom 2 in. thick mineral wool batte, friction fitted between studs and runners. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.
7A. Batts and Blankets* ? (Optional, not shown) ? 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 Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.
7B. Batts and Blankets* ? (Optional, not shown) ? Placed in stud cavities, glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. OWENS CORNING ? Type QuietZone Acoustic Batts

8. Furring Channels : (Optional on one or both sides, not shown, for single or double layer systems) ? Resilient furring channels fabricated from min 28 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each interspersing stud with 1/2 in. long Type S-12 panhead steel screws. Not for use with type FRX-G gypsum panels and Item 5A or 5C.
8A. Steel Framing Members (Not Shown)* ? (Optional on one or both sides, not shown, for single or double layer systems) ? As an alternate to Item 8, furring channels and Steel Framing Members as described below:
a. Furring Channels ? Formed of No. 25 MSG 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 b. 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.
b. Steel Framing Members* ? 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, S-12 steel screw through the center of channel. Furring channels are friction fitted



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



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

MODULAR PLANS DESIGN, CO.
THOMAS L. MELTON,
FLORIDA #PRO01763

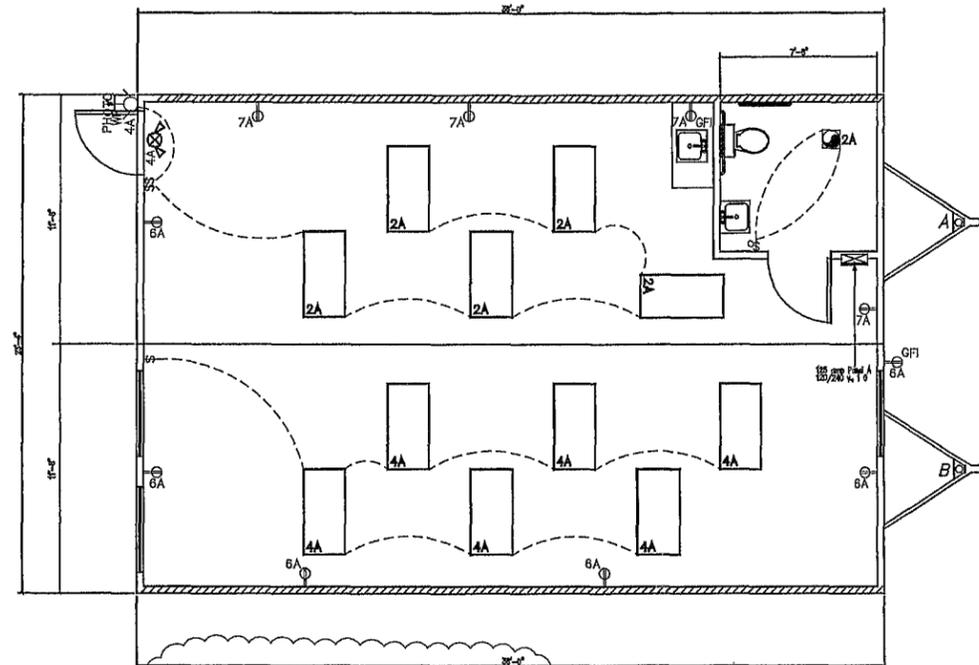
M P D
Company

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

PH: 888-688-1024
FAX: 888-688-7018
MODULARPLANS@TANPAUL.FLORIDA.COM

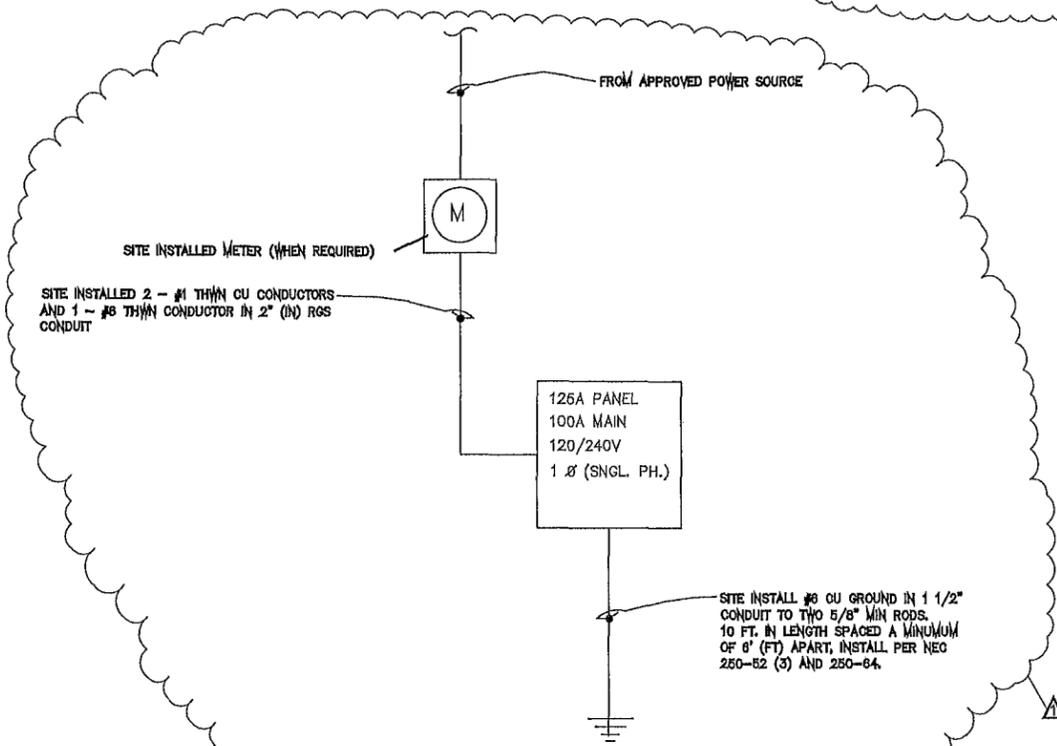
1074 S. FLORIDA AVE., SUITE 201
LAKELAND, FLORIDA
33803

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



NOTE: THE BUILDING HAS BEEN ASSESSED FOR LIGHTNING STRIKES PER NFPA 780.
 NOTE: THE PANEL BOX SHALL BE A LOCKING TYPE PER 2010 FBC 423.17.2.

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



ELECTRICAL RISER DIAGRAM

ELECTRICAL PANEL "A" SIZING

DESCRIPTION:

0.035 KW SF X 840 SF X 1.25	3.67
10 RECEPTS @ 180 VA / 1000	1.80
1 MAX HEATER @ 6.5 KW	---
1 FAN @ .3 KW X 1.25	---
HVAC	7.5
TOTAL	16.74 KW
TOTAL / 240 X 1000	69.76 A
INSTALL	125 AMP PANEL 120 / 240V 10

ELECTRICAL SCHEDULE

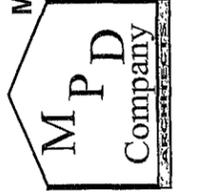
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU)
1,3	HVAC	35 (2P)	6-2 ea W/GND.
2,4	LIGHTS/FANS	20A	12-2 MC
SPARE	OUTLETS	20A(1P)	12-2 MC
6	OUTLETS	20A	12-2 MC
7	OUTLETS	20A	12-2 MC
SPARE	OUTLETS	20A(1P)	12-2 MC

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

ELECTRICAL LEGEND

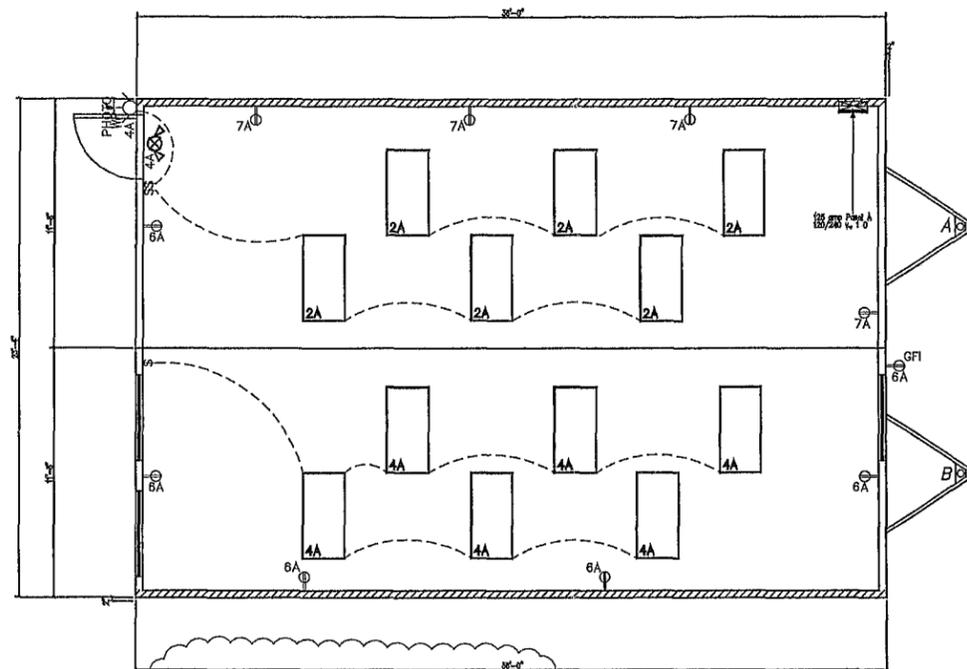
⊖ DUPLEX RECEPT @ 16" A.F.F.	⊖ EXHAUST FAN
⊖ DUPLEX RECEPT @ 42" A.F.F.	⊖ EXHAUST FAN / LIGHT
⊖ RECEPT 220 VOLT	⊖ EMERGENCY LIGHT
⊖ SWITCH	⊖ OCCUPANT SENSOR
▽ DATA JACK	⊖ JUNCTION BOX
▽ PHONE JACK @ 16" A.F.F.	⊖ 10" X 10" SUPPLY AIR REGISTER
⊖ THERMOSTAT	⊖ 12" X 12" RETURN AIR GRILLE
⊖ INCANDESCENT LIGHT 60W MAX.	⊖ EMERGENCY LIGHT & EXIT COMBO
⊖ WATER PROOF PORCH LIGHT 60W MAX.	⊖ FLUORESCENT FIXTURE
⊖ PHOTO CELL	
⊖ SMOKE DETECTOR	

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 MODULARPLANS@TAMPAPLAN.COM



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

REVISION DATE: 08-15-2013	DATE: 07-31-2013
	DRAWN: R.L.G.
	UNIT# MPD-1813
	SHEET NO

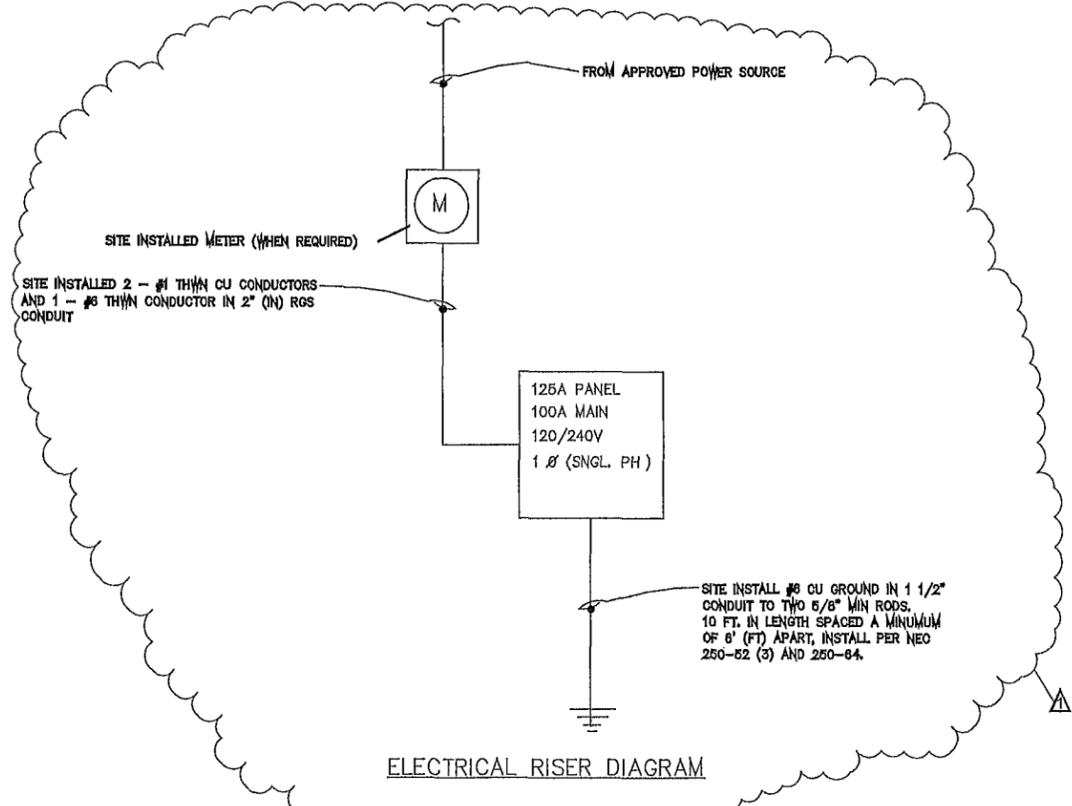


NOTE: THE BUILDING HAS BEEN ASSESSED FOR LIGHTNING STRIKES PER NFPA 780.
NOTE: THE PANEL BOX SHALL BE A LOCKING TYPE PER 2010 FBC 423.17.2.

ELECTRICAL PLAN (NO RR)
SCALE: 1/4" = 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	⊖ OCCUPANT SENSOR
⊖ DATA JACK	⊖ JUNCTION BOX
⊖ PHONE JACK @ 16" A.F.F.	⊖ 10" X 10" SUPPLY AIR REGISTER
⊖ THERMOSTAT	⊖ 12" X 12" RETURN AIR GRILLE
⊖ INCANDESCENT LIGHT @ 10" MAX.	⊖ EMERGENCY LIGHT & EXIT COMBO
⊖ WATER PROOF PORCH LIGHT @ 10" MAX.	⊖ FLUORESCENT FEATURE
⊖ PHOTO CELL	
⊖ SMOKE DETECTOR	



ELECTRICAL RISER DIAGRAM

ELECTRICAL PANEL "A" SIZING

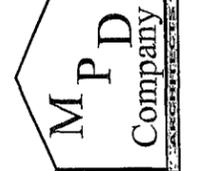
DESCRIPTION:		
10036 KW SF X 840 SF X 1.26		3.67
10 RECEPTS @ 180 VA / 1000		1.60
(-) EMAX HEATER @ 6.5 KW		---
1 FAN @ .3 KW X 1.26		.375
HVAC		10.0
TOTAL	16.74 KW	
TOTAL / 240 X 1000	69.75 A	
INSTALL	125 AMP PANEL 120 / 240V 10	

ELECTRICAL SCHEDULE

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

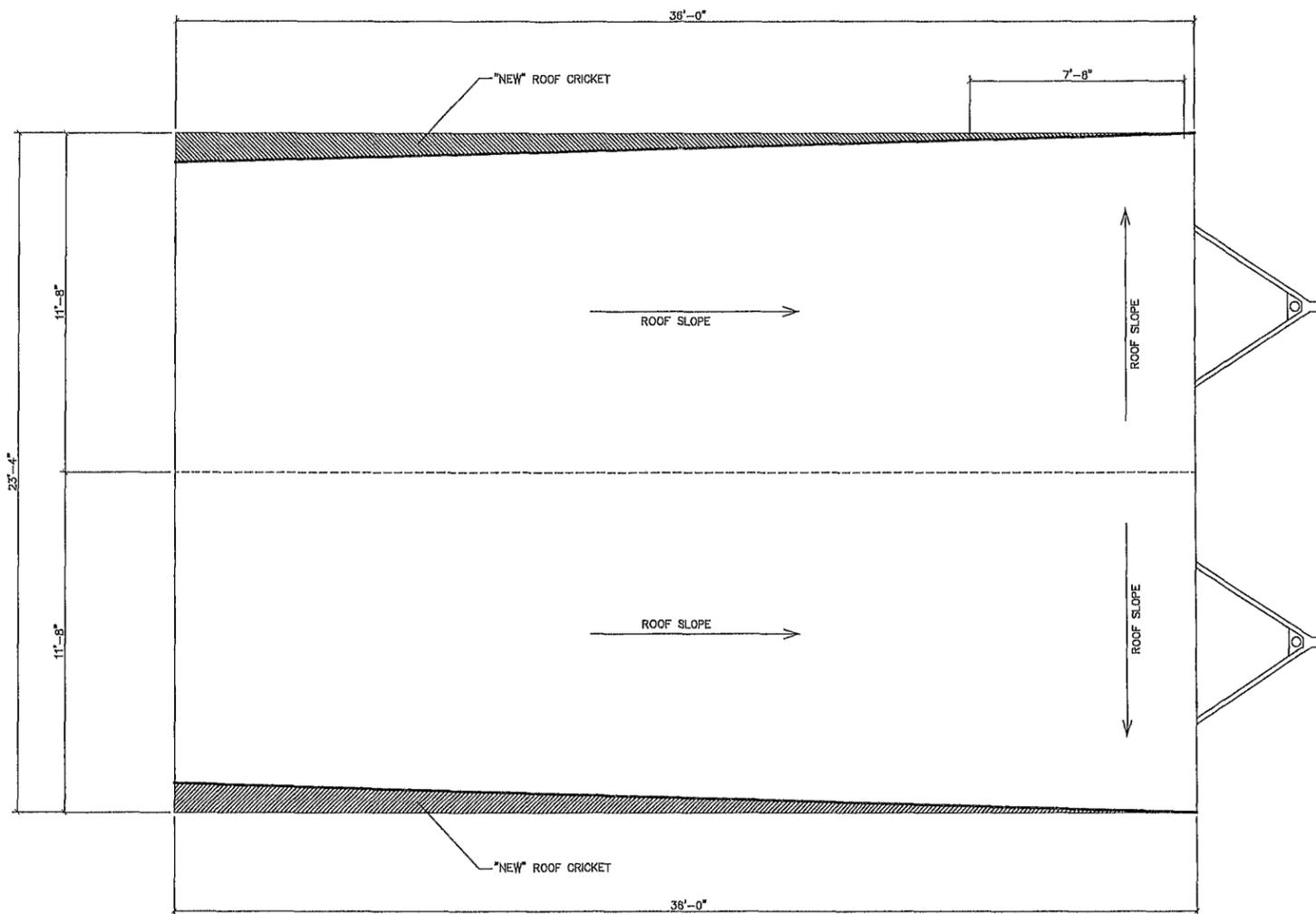
ALL PORTABLE APPLIANCES INCLUDING W/AL TO HAVE DISCONNECT IF NOT WITHIN VIEW OF ELECTRIC PANEL

MODULAR PLANS DESIGN, CO.
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MODULAR STRUCTURE FOR:
Mobile-Modular
(24' x 36')

REVISION DATE: 08-15-2013	DATE: 07-31-2013
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	UNIT# MPD-1813
	SHEET NO.



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"

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



MODULAR PLANS DESIGN, CO.
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REVISION DATE:	DATE: 03-11-2014
	DRAWN: R.C.S.
	JOB #: MPD-0814
	SHEET NO

2010 FBC w/ 2012 SUPPLEMENTS
COMPLIANCE STATEMENT:
 1. BASIC WIND SPEED - SEE CHART BELOW
 2. BASIC CATEGORY RISK CATEGORY III
 3. WIND EXPOSURE C
 4. INTERNAL PRESSURE COEFF. +0.18
 5. COMPONENT & CLADDING +35.3 PSF, -47.2 PSF

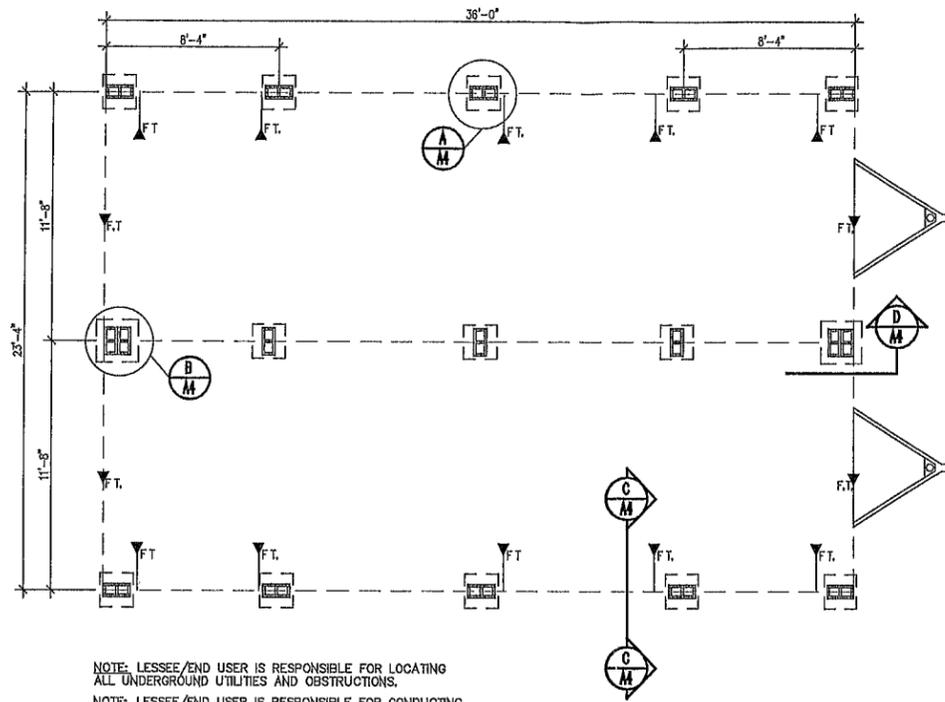
GROUND ANCHOR NOTE:
GENERAL NOTE:
 STABILIZER PLATES ARE NOT REQUIRED WITH INSTALLATION, HOWEVER, ANY UNSTABLE SOIL CONDITIONS THAT MAY IMPACT THE GROUND ANCHORS ABILITY TO RESIST UPLIFT MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT

ANCHOR & STRAPPING SCHEDULE

36" BOX 130 MPH	3 STRAPS PER SIDE
36" BOX 140 MPH	4 STRAPS PER SIDE
36" BOX 150 MPH	5 STRAPS PER SIDE
36" BOX 160 MPH	6 STRAPS PER SIDE
36" BOX 170 MPH	7 STRAPS PER SIDE
36" BOX 180 MPH	8 STRAPS PER SIDE (HW12)

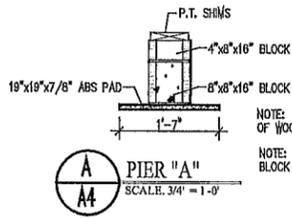
FOUNDATION DIMENSIONS

A. MODULE WIDTH	B. PIER TO MODULE EDGE	C. STEEL BEAM SPACING
11' - 8"	N/A	N/A
D. MAX. PIER SPACING	MINIMUM SOIL BEARING CAPACITY	
9'-0" O.C.	2000 PSF	

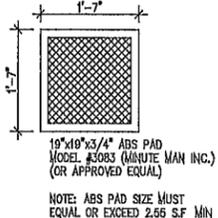


NOTE: LESSEE/END USER IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND OBSTRUCTIONS.
NOTE: LESSEE/END USER IS RESPONSIBLE FOR CONDUCTING A "PULL TEST" IF REQUIRED FOR PERMITTING.
NOTE: A SWIVEL STRAP CAN BE CONNECTED TO THE PERIMETER FRAME FLANGE FOR FRAME TIE-DOWNS.
NOTE: ANY STATE OF FLORIDA APPROVED TIE-DOWN METHOD MAY BE USED.
NOTE: STRAP LOCATIONS MAY VARY SLIGHTLY DUE TO BUILDINGS BEING CONSTRUCTED BY MULTIPLE MANUFACTURERS.

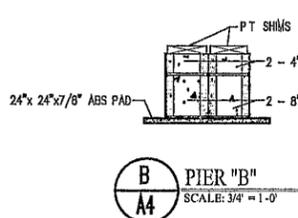
FOUNDATION PLAN
 SCALE: 1/4" = 1'-0"



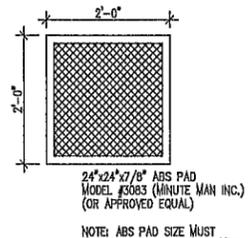
NOTE: MAXIMUM OF (2) LAYERS OF WOOD MAY BE USED.
NOTE: AT LEAST (1) 4"x8"x16" CAP BLOCK MUST BE USED AT ALL PIERS



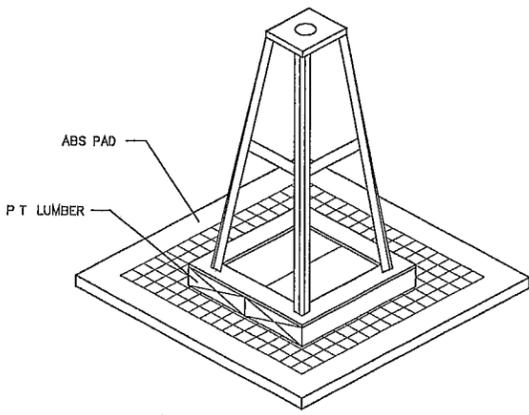
NOTE: ABS PAD SIZE MUST EQUAL OR EXCEED 2.65 SF MIN



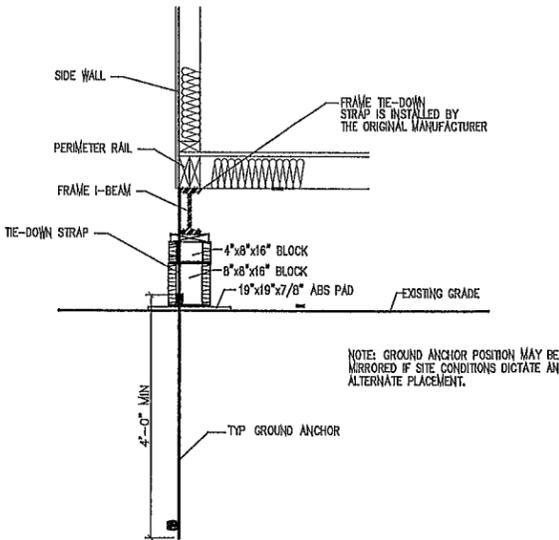
NOTE: MAXIMUM OF (2) LAYERS OF WOOD MAY BE USED.
NOTE: AT LEAST (2) 4"x8"x16" CAP BLOCK MUST BE USED AT ALL PIERS



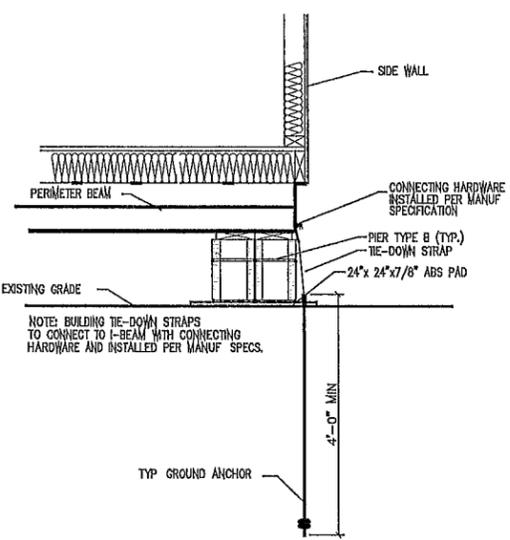
NOTE: ABS PAD SIZE MUST EQUAL OR EXCEED 4.0 SF MIN



NOTE: POWER PIER SUPPORT MODEL #48834 SHOWN W/ TYPICAL PIER HEADS. PIER HEADS ARE TO BE ATTACHED WITH SUPPLIED HARDWARE PER MANUF. SPECIFICATIONS.
NOTE: MAXIMUM OF (3) LAYERS P.T. MAY BE USED. LAYERS MUST BE SCREWED OR GLUED TOGETHER.



NOTE: GROUND ANCHOR POSITION MAY BE MIRRORRED IF SITE CONDITIONS DICTATE AN ALTERNATE PLACEMENT.



NOTE: BUILDING TIE-DOWN STRAPS TO CONNECT TO I-BEAM WITH CONNECTING HARDWARE AND INSTALLED PER MANUF SPECS.

FOUNDATION NOTES:

MATERIAL SPECIFICATIONS

SOIL & SITE PREPARATION:

- FOUNDATION DESIGN IS BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF ANY SOIL CONDITIONS THAT MAY DIFFER FROM THIS MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- FOUNDATIONS SHALL BE BUILT ON UNDISTURBED SOIL OR PROPERLY COMPACT FILL MATERIAL. COMPACTED SOILS SHALL BE TESTED TO A MINIMUM OF 95% PROCTOR IN ACCORDANCE WITH ASTM D 1557
- EXCAVATIONS FOR FOUNDATIONS SHALL BE BACKFILLED WITH SOIL, WHICH IS FREE OF ORGANIC MATERIAL, CONSTRUCTION DEBRIS, AND LARGE ROCKS.
- LESSEE/END USER IS RESPONSIBLE FOR INSURING THAT SITE/SOIL CONDITIONS MEET OR EXCEED THE REQUIREMENTS SHOWN.

BASE PAD:

- PIER FOOTING TYPE "A" SHALL BE 19"x19" ABS PAD OR 16"x16"x4, 2500 PSI CONCRETE PAD.
- CONCRETE IN FOOTINGS SHALL HAVE A SPECIFIED COMPRESSIVE STRENGTH OF NO LESS THAN 2500 PSI AT 28 DAYS.

MASONRY UNIT:

- PIERS SHALL BE CONSTRUCTED WITH NOMINAL 8"x8"x16" CONCRETE MASONRY UNITS CONFORMING TO ASTM C-90.

WOOD & SHIM MATERIAL:

- ALL WOOD BLOCKING AND SHIMS SHALL BE CEDAR OR PRESSURE TREATED.

GROUND ANCHORS:

- GROUND ANCHORS SHALL HAVE 4725# MIN. ULTIMATE CAPACITY & SHALL BE INSTALLED IN AN APPROVED METHOD.

TIE-DOWN STRAPS:

- THE TIE-DOWN STRAPS SHALL BE 1-1/2" X 0.35" GALVANIZED STEEL QQS-781-H TYPE 1 FINISH-B, GRADE-1 TIE-DOWN STRAPS ANC CONNECTING HARDWARE SHALL HAVE 4725# MIN. ULTIMATE CAPACITY

INSTALLATION SPECIFICATIONS

SOIL & SITE PREPARATION:

- WHERE WATER IMPACTS THE GROUND FROM A ROOF VALLEY, DOWN SPOUT, SCUPPER, OR OTHER RAINWATER COLLECTION OR DIVERSION DEVICE, PROVISIONS SHALL BE MADE TO PREVENT SOIL EROSION AND DIRECT THE WATER AWAY FROM THE FOUNDATION.
- FINISH GRADE SHALL BE SLOPED AWAY FROM THE FOUNDATION FOR DRAINAGE. THE AREA UNDER FOOTINGS, FOUNDATIONS, AND CONCRETE SLABS ON GRADE SHALL HAVE NO VEGETATION, STUMPS, ROOTS, AND FOREIGN MATERIAL REMOVED PRIOR TO THEIR CONSTRUCTION. FILL MATERIAL SHALL BE FREE OF VEGETATION AND FOREIGN MATERIAL.

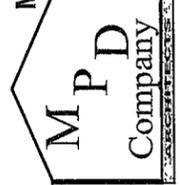
MASONRY UNIT:

- LONG DIMENSION OF ALL PIERS MAY BE INSTALLED PERPENDICULAR OR PARALLEL TO THE FRAME. MAXIMUM OF (4) COURSES, (32" HIGH) UNLESS OTHERWISE NOTED.
- FOUNDATION WALLS OF HOLLOW MASONRY CONSTRUCTION SHALL HAVE BE CAPPED WITH 4" OF SOLID MASONRY OR CONCRETE, OR SOLID 2x P.T. LUMBER.
- CONCRETE MASONRY UNITS SHALL CONFORM TO THE ASTM C 90 STANDARDS.
- CONSTRUCTION OF DRY-STACKED, SURFACE BONDED MASONRY WALLS WHEN SPECIFIED, INCLUDING STACKING AND LEVELING OF ALL UNITS, MIXING AND THE APPLICATION OF MORTAR, CURING AND PROTECTION SHALL COMPLY WITH ASTM C 946.

TIE-DOWN STRAPS:

- THE FIRST TIE-DOWN STRAP FROM THE ENDWALL SHALL NOT EXCEED 2'-6"
- MAXIMUM TIE-DOWN SPACING IS PER SPACING CHART
- REFER TO TIE-DOWN CHART FOR MINIMUM NUMBER OF GROUND ANCHORS.

MODULAR PLANS DESIGN, CO.
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 LAKELAND, FLORIDA
 33803

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

REVISION DATE:	DATE: 03-11-2014
	DRAWN: R.C.S.
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MODULAR PLANS DESIGN, CO.

1074 S. FLORIDA AVENUE

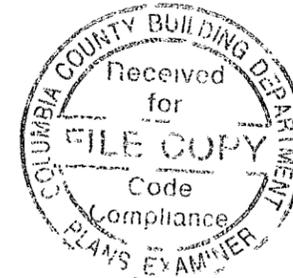
SUITE 201

LAKELAND, FLORIDA 33803

(863) 688 - 1054

MODULAR STRUCTURE FOR:

Mobile-Modular



STRUCTURAL LOAD LIMITATIONS.	
DESIGN CODES	2010 FLORIDA BUILDING CODE ASCI 7-09 CODE
BUILDING DEAD LOADS	A. FLOOR = 10 PSF B. FLOOR = 10 PSF C. WALLS = 8 PSF
BUILDING LIVE LOADS	A. FLOOR = 30 PSF B. FLOOR = 40 PSF
CONCENTRATED LOAD.	
ROOF: SNOW LOAD: NA	
WIND LOAD CRITERIA	1. 140 MPH / 100 MPH (FMFZ) WIND SPEED 2. 1:1 = 1:15 WIND IMPORTANCE FACTOR 3. II BUILDING CATEGORY 4. ENCLOSURE CLASSIFICATION: ENCLOSED GCF = 0.10 INTERNAL PRESSURE COEFFICIENT 5. C EXPOSURE FACTOR 6. COMPONENT & CLADDING LOAD: (ROOF) PW = -36.2 PSF (ZONE 1), -51.2 PSF (ZONE 2), -61.1 PSF (ZONE 3) (WALL) PW = -43.9 PSF (ZONE 4), PW = -54.3 PSF (ZONE 5)
7. ENCLOSED BUILDING ENCLOSURE CLASSIFICATION	
8. THIS BUILDING IS NOT DESIGNED FOR PLACEMENT ON THE UPPER HALF OF A HILL OR EQUIPMENT 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 PROVE 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, RAMP, STAIRS AND GENERAL ACCESS TO THE BUILDING.	
1. PORTABLE FIRE EXTINGUISHERS (2)	
2. DRINKING FOUNTAIN, BUILDING DRAIN, CLEAN-OUTS, AND HOOK-UP TO PLUMBING SYSTEM.	
3. ELECTRICAL SERVICE HOOK-UP (INCLUDING FEEDERS) TO THE BUILDING.	
4. THE MAIN ELECTRICAL PANEL AND SUB-FEEDERS (MULTI-HITS ONLY) CONNECTION OF ELECTRICAL CIRCUITS CROSSING OVER MODULE MATING LINES (S) (MULTI-HITS ONLY)	
5. STRUCTURAL AND ASSISTIVE INTERCONNECTIONS BETWEEN 6. WINDOW AND DOOR HIGH WIND STORM COVERINGS PER CODE.	
7. GUTTERS AND DOWNSPOUTS (IF APPLICABLE)	
8. 1. SINK AND CABINETS 2. FIRE ALARM SYSTEM WIRING, ETC., IF REQUIRED 3. THERMAL EXPANSION DEVICE IF REQUIRED.	
DRAWING INDEX:	
01	COVER SHEET
ORIGINAL BUILDING PLANS (13 SHEETS)	
01	FLOOR PLAN
02	CEILING
03	NEW ELECTRICAL PLAN
04	NEW ELEVATIONS
05	ROOF PLAN

ELEVATION NOTES (TYP)	
1.	SEE CROSS SECTION FOR METHOD OF ROOF VENTILATION
2.	HANDICAP RAMPS, STAIRS (S), AND HANDRAILS TO BE DESIGNED AND INSTALLED BY OTHERS. SUBJECT TO LOCAL JURISDICTION AND APPROVAL.
3.	FOUNDATION ENCLOSURE (WHEN PROVIDED) MUST HAVE 1 SQUARE FOOT NET VENT AREA PER 1/4" MIN. OF FLOOR AREA AND AN 1/4" X 24" MINIMUM CRAWL SPACE ACCESS, SITE INSTALLED BY OTHERS. SUBJECT TO LOCAL JURISDICTION AND APPROVAL.

CLIFFMONS RUTHERFORD & ASSOC.	
DCA PLAN REVIEW	
AGENCY PLAN # <i>CA# 11030.07 R-1</i>	
CODE VERSION: <i>FCB 2010</i>	
CONT. TYPE: <i>FCB</i>	
MANUFACTURE: <i>Mobile Modular Management</i>	
FIRE PROTECTION: <i>Owner provided when required</i>	
OCCUPANCY: <i>Group E</i>	
ALLOWABLE # OF STORIES: <i>One</i>	
WIND VELOCITY: <i>100 mph Exposure C</i>	
EXTERIOR WALL RATING: <i>1 Hour</i>	
FLOOR LOAD: <i>EMX (100 LEVEL) DEAD/10</i>	
ROOF LOAD: <i>EMX (100 LEVEL) DEAD/10</i>	
7" FLOOR W.L. ROOF: <i>240, 40, 19.0</i>	
MODULES PER BLDG: <i>One (1)</i>	
SQUARE FOOTAGE: <i>840</i>	
HVHZ: <i>Yes</i>	
EHPA: <i>No</i>	
FLOOD ZONE: <i>Zone 1 (not mapped) w/ FCB 423, 4.2</i>	
APPROVED DATE: <i>July 16, 2012</i>	
REVIEWER: <i>Billie Lynn, JMD/KG</i>	
This copy is a soft copy and does not constitute a final set of drawings. All drawings are to be identified by the drawing title and sheet number.	

DCA FIRE PLAN REVIEW
Pursuant to FAC 63A-60.006(4)(e)
a plan review of *CA# 11030.07 R-1*
found items that are indicated to be installed for
compliance with the Florida Fire Prevention Code
in the Factory [] Yes [] No
on site by others [] Yes [] No
An inspection pursuant to SS 639.083(1) is required.
Reviewed by *Jeffrey W. 6/27/12*
Date: *July 16, 2012*

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-2 INSULATION VALUE.	
2. RESTROOM VENT FANS SHALL PROVIDE 60 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 80 CFM FOR EACH WATER HEATER CLOSET AND EACH URINAL, WHICHEVER 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 ELEVATED WITH NON-ABSORBENT OPEN FRONT SEAT	
3. RESTROOMS 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 BAFFY 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 180° F. THE POLYBUTYLENE PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LIMITATIONS AND INSTRUCTIONS.	
8. WATER CLOSERS 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° 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 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 48 INCH AND OF DOORS, WHOSE BOTTOM EDGE IS LESS THAN 80 INCHES ABOVE THE FLOOR, AND ALL GLAZING IN DOORS SHALL BE BAFFY TEMPERED OR ACRYLIC PLASTIC SHEET	
4. FLOOR DESIGN LIVE LOAD: 100 PSF (LOBBIES & CORRIDORS) 60 PSF (REMAINDER)	
5. MAXIMUM WIND LOAD: SEE 3RD PARTY CHART	
6. OCCUPANCY IS EXTERIOR (RECL)	
7. OCCUPANT LOAD: 43 PEOPLE (BASED ON 1 PERSON PER 20 SQUARE FEET OF AREA)	
8. CONSTRUCTION IS TYPE II-B	
9. ALL STEEL STUDS REPORTING SHALL BE TESTED/APPROVED WITH A FL PRODUCT APPROVAL # OR IN ACCORDANCE WITH FL. STATUTE 883.042 METAL STUDS TO BE 1" O.C. (1/2" O.C. @ CORNERS)	
10. MIN. CORRIDOR FINISH IS CLASS B (PER PLUM)	
11. MIN. CORRIDOR WIDTH IS 44 INCHES	
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 633 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 SIDE OF ROOF PROVIDES LESS THAN 6" OF OVERHANG GUTTERS AND DOWNSPOUTS WILL BE INSTALLED AND SUBJECT TO LOCAL JURISDICTION.	
17. IN WIND Borne debris regions, EXTERIOR GLAZING SHALL BE PROTECTED WITH AND IMPACT RESISTANT COVERING OR WITH WITHIN 24" WOOD STRUCTURAL PANELS PER SECTION 1609.1.4 OF THE FBC. PANELS SHALL BE PRECUT 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.	
18. WIND Borne debris regions ARE AREAS WITHIN ONE MILE OF THE COASTAL HIGH WIND WATER LINE WHERE THE BASIC WIND SPEED IS 110 MPH OR GREATER AND AREAS WHERE THE BASIC WIND SPEED IS 120 MPH OR GREATER.	
19. ALL MATERIALS USED IN THE CONSTRUCTION OF THE BUILDING WHICH ARE COVERED BY THE FLORIDA BUILDING COMMISSION CHAPTER 633 F.S. RULES SHALL HAVE CURRENT FLORIDA PRODUCT APPROVAL.	
20. THESE PLANS COMPLY WITH THE 2010 EXISTING BUILDING CODE.	
21. THE RAISED SEAL SET OF PLANS ARE ON FILE IN THE THIRD PARTY AGENCY'S OFFICE AS DIRECTED BY DPBR.	
22. 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 C AVERAGE AND A MINIMUM AT ANY POINT OF 0.05 FC AT THE END OF THE EMERGENCY LIGHT TIME DURATION. A MAXIMUM TO MINIMUM ILLUMINATION UNIFORMITY RATIO OF 10 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 AREAS 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 PRINTED TO INDICATE THE DISCONNECT MEANS ONLY WHERE THE SWITCH OR CIRCUIT BREAKER IS WITHIN 8 FEET 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 110.6 OF THE NEC BY LOCAL ELECTRICAL CODES.	
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 FOUNTAINS 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 (A. 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. CLOTHES ROOBS SHALL BE A MINIMUM OF 54 INCHES ABOVE THE FLOOR (48 INCHES MAXIMUM WHEN DISTANCE FROM WHEELCHAIR TO ROOF 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 306.1 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 80 INCHES ABOVE THE FLOOR OR 8 INCHES BELOW CEILING, WHICHEVER IS LOWER.	
6. DOORS TO ALL ACCESSIBLE SPACES SHALL HAVE ACCESSIBLE HARDWARE (A. 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 SWINGING 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 PILE 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 CLOSERS SHALL BE 18 INCHES FROM THE FLOOR TO THE TOP OF THE SEAT. GRAB BARS SHALL BE 36 INCHES LONG MINIMUM WHEN LOCATED BESIDE THE WATER CLOSET AND 42 INCHES MINIMUM WHEN LOCATED ALONG THE SIDE OF THE WATER CLOSET AND SHALL BE MOUNTED 33" MIN. & 38" 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 18 INCHES DEEP UNDERNEATH SINK. THE SINK DEPTH SHALL BE 8 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 (A. 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 TOILET DISPENSER SHALL BE LOCATED ADJACENT TO ALL ACCESSIBLE LAVATORIES.	
20. WATER CLOSET FLOOR 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 (3) NEW WINDOWS	
UPGRADE EXISTING FLOOR DECKING & 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	
-WCRK CLASSIFICATION LEVEL: ALTERATION 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 6N-3 (FAC).	

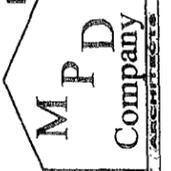
NOTE	
MINIMUM PLUMBING FACILITIES TO BE PROVIDED IN ACCORDANCE WITH FBC 403.4.1 AND SUBJECT TO THE APPROVAL BY THE LOCAL AUTHORITY HAVING JURISDICTION	
NOTE:	
THE FLOOR AND ROOF DESIGN OF THIS PLAN IS "LIGHT FRAME TRUSS TYPE CONSTRUCTION" AS REFERENCED IN F.A.C. RULE 69A-3.012 POSTING OF NOTICE SIGN(S) 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.	
10745AB	
10939AB	
10939AB	
10940AB	
10941AB	

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

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

MODULAR PLANS DESIGN, CO.
THOMAS L. REED, P.E.
1074 S. FLORIDA AVE., SUITE 201
LAKELAND, FLORIDA 33803
PH: 888-688-1054
FAX: 888-688-1054
MODULARPLANSDESIGN@AOL.COM



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

CA# 11030.07 R-1 AT 27768-R-1

2001 FLORIDA BUILDING CODE, CHAPTER 11. ACCESSIBILITY STANDARDS/ADA/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 6.0 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 MATING 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.

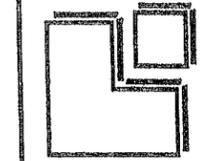
SYMBOLS

PROJECT HISTORY

12/08/03
07/07/04

CLASSROOM TYPE IV
SEM SERIAL # A/B
GENERAL NOTES

Southeast Modular Manufacturing
2500 INDUSTRIAL STREET
LEESBURG, FLORIDA 34748



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

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 FPC-2001
NFPA-101, 2000
NEC-2002
LABELS: HWC

LIGHTING DESCRIPTION

EMERGENCY LIGHT:
DC LAMP- 2-4 (3.6W T-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
232A

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

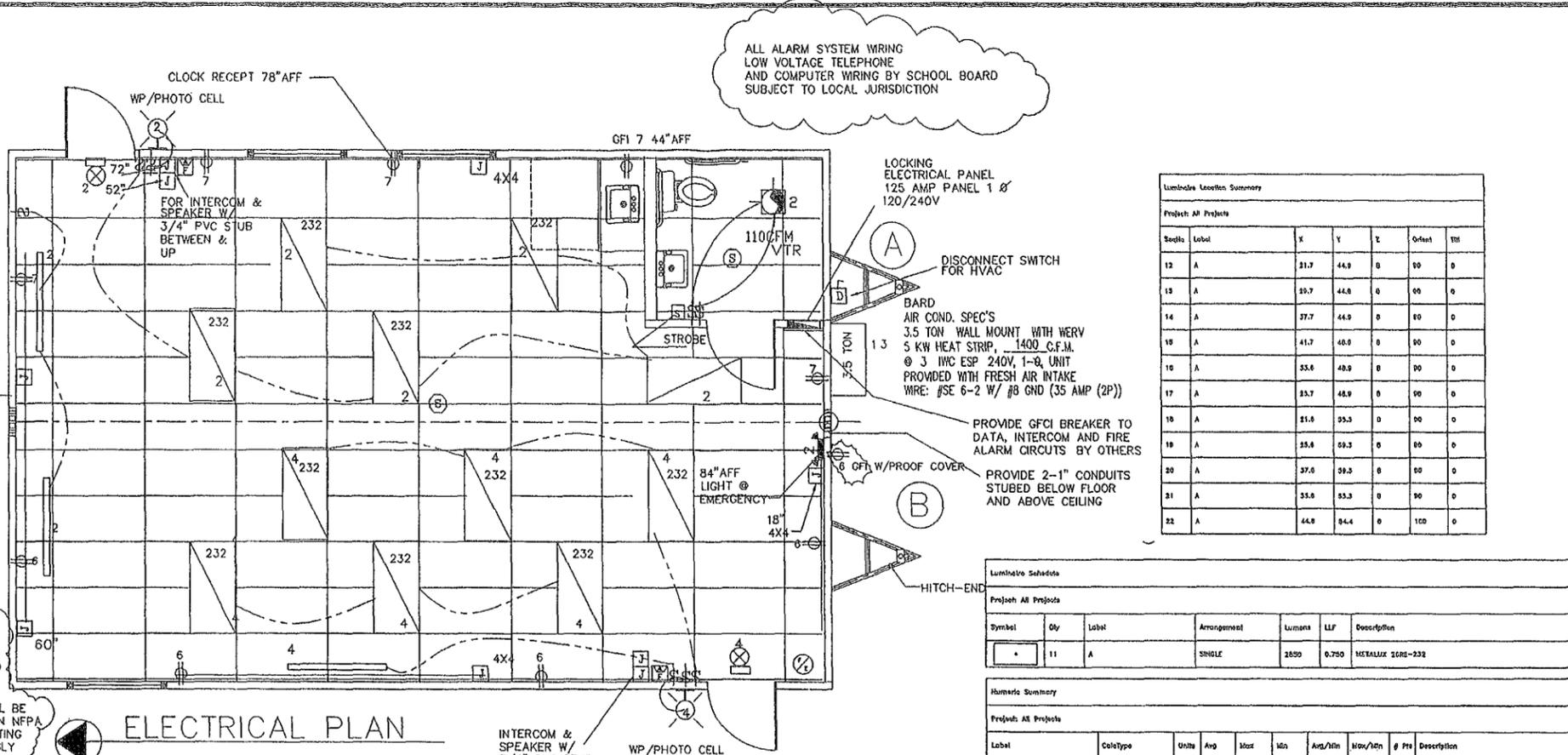
J-BOXES MUST CONTAIN WIRING AND COMPUTER TECHNOLOGY SUITABLE FOR THE PROGRAM TO BE HOUSED

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 423.177



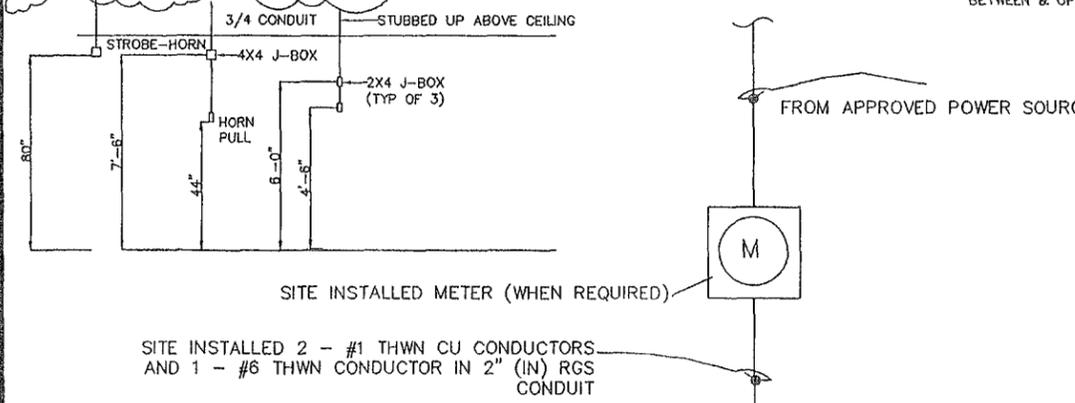
ELECTRICAL PLAN

Luminaire Location Summary

Room	Label	X	Y	Z	Offset	Yield
12	A	21.7	44.9	0	00	0
13	A	20.7	44.0	0	00	0
14	A	37.7	44.9	0	00	0
19	A	41.7	48.0	0	00	0
10	A	33.6	48.9	0	00	0
17	A	33.7	48.9	0	00	0
18	A	31.8	35.3	0	00	0
19	A	33.8	39.3	0	00	0
20	A	37.0	39.3	0	00	0
21	A	33.8	33.3	0	00	0
22	A	44.8	34.4	0	100	0

Luminaire Schedule

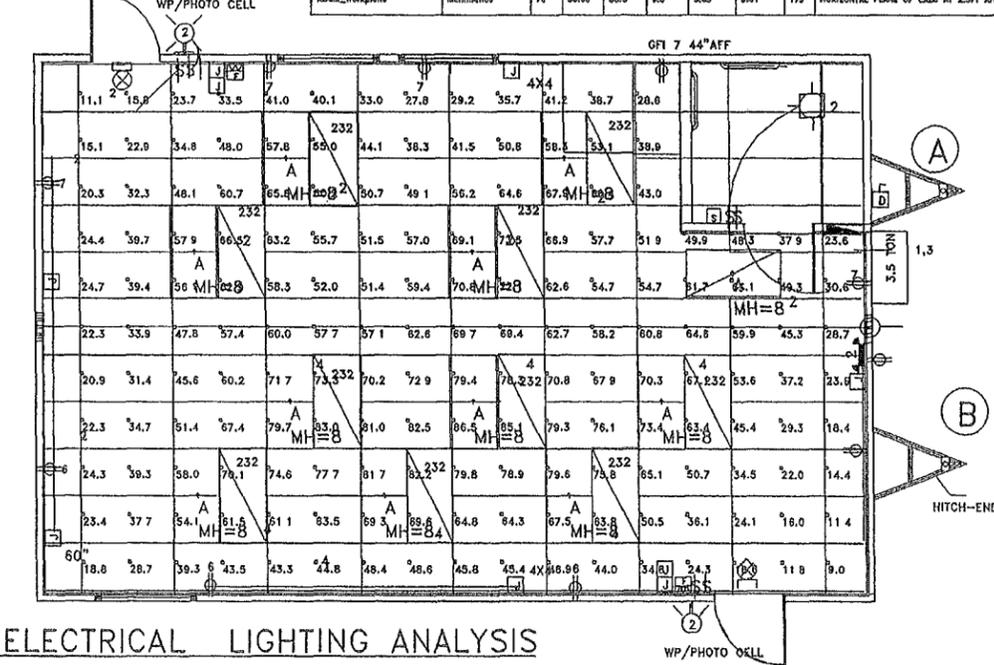
Symbol	Qty	Label	Arrangement	Lumens	LPF	Description
*	11	A	SINGLE	2800	0.700	METALUX SIRE-232



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= OLP 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	K.V.A.
GENERAL LIGHTING	840 SF x 1.25 = 3.67
10 RECEPTS AT 180VA/1000	= 1.62
HVAC	5.5
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	

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 HVC

PROJECT HISTORY

12/06/03
05/12/04
07/27/04

CLASSROOM TYPE IV
SEM SERIAL # A/B
ELECTRICAL PLAN

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 7-4 (3.6W T-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

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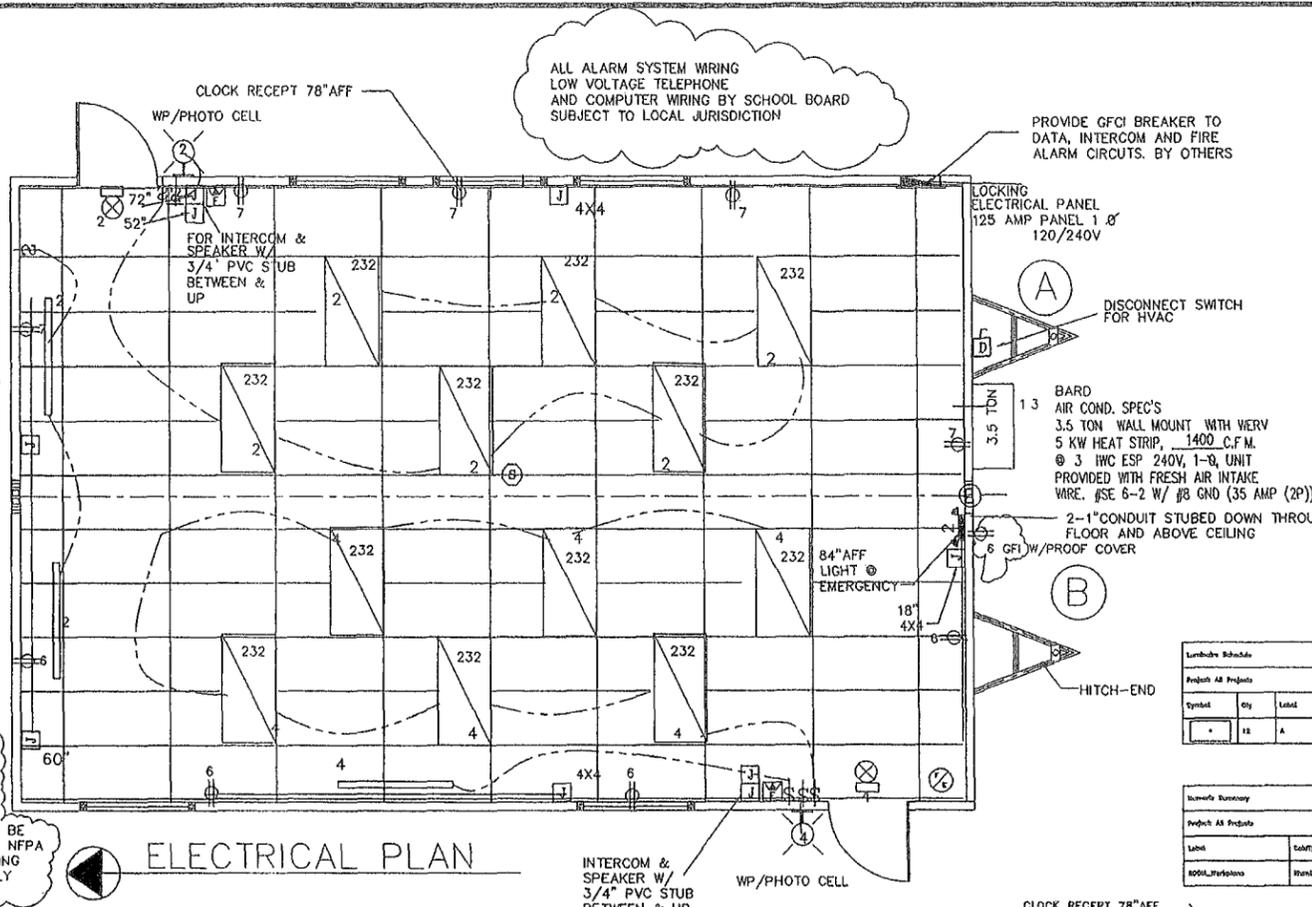
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ELECTRICAL PLAN

Luminaire Location Summary

Project All Projects

SeqNo	Label	X	Y	Z	Orient	TH
1	A	23.7	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	35.7	48.9	8	90	0
6	A	27.7	48.9	8	90	0
7	A	23.7	58.2	8	90	0
8	A	27.6	50.5	8	90	0
9	A	31.0	58.2	8	90	0
10	A	35.7	50.2	8	90	0
11	A	43.7	59.2	8	90	0
12	A	39.7	58.2	8	90	0

Luminaire Schedule

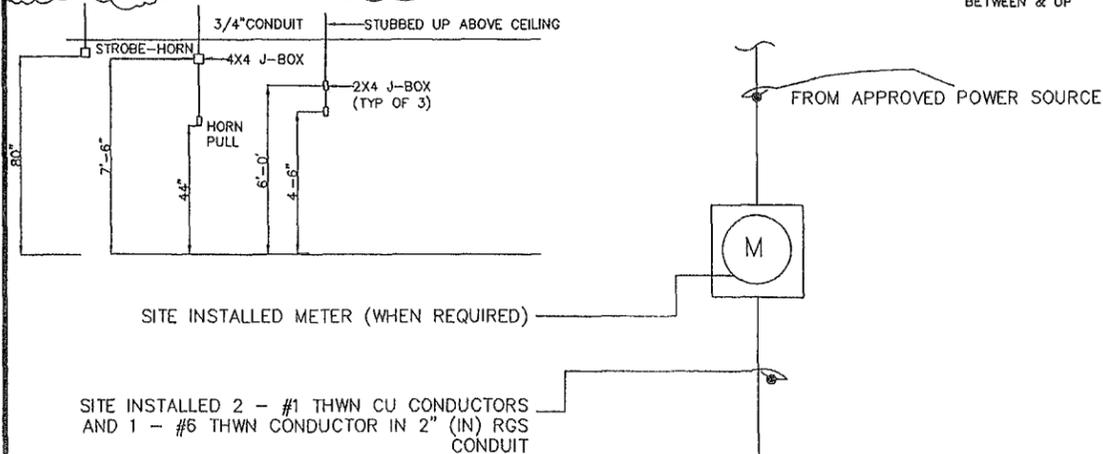
Project All Projects

Symbol	Qty	Label	Arrangement	Lumens	LF	Description
*	12	A	2000L	2350	0.750	120/240V 2000-332

Luminaire Summary

Project All Projects

Label	Subtype	Qty	Arr	Len	Wd	Adj/ht	Max/Ht	# Ph	Description
2000L	2000L	12	0.00	0.00	0.00	0.00	0.00	12	120/240V 2000-332



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

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

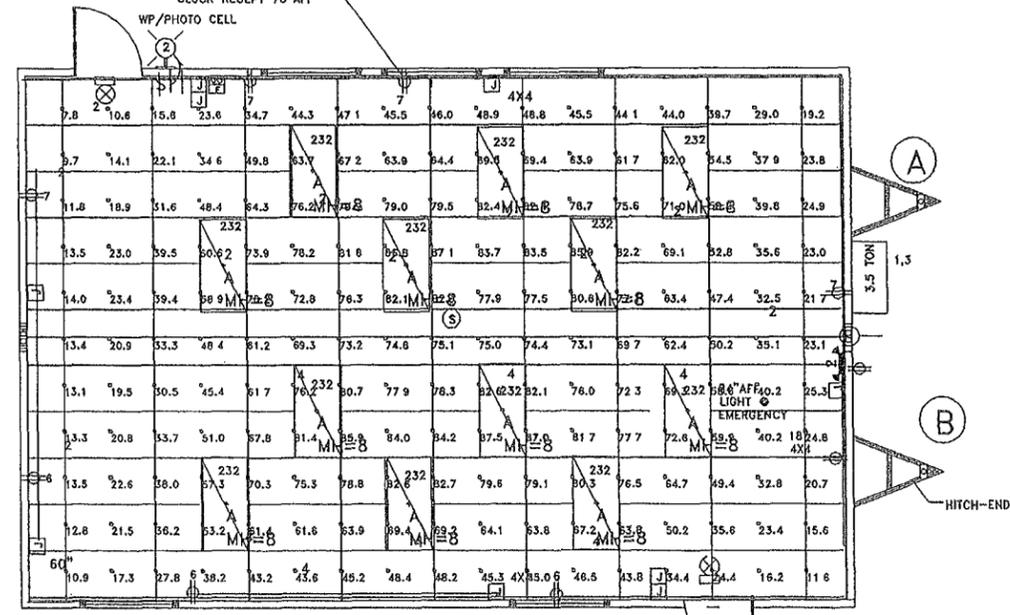
ELECTRICAL SCHEDULE

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 .0035 KW/SF x 840 SF x 1.25 =	3.67
10 RECEPTS AT 180VA/1000 =	1.62
HVAC	5.5
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: 10 AMP AMP STEP TO BE INSTALLED HOWEVER ONLY 5 W/ IS TO BE USED. FULL LOAD AVAILABLE CURRENT USE IN LOCATIONS IS ALLOWED BY THE FLORIDA RULES.



ELECTRICAL LIGHTING ANALYSIS

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

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

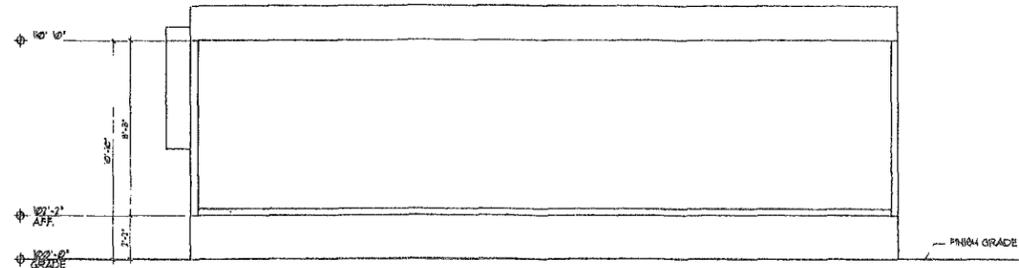
PROJECT HISTORY

REV 05/12/04

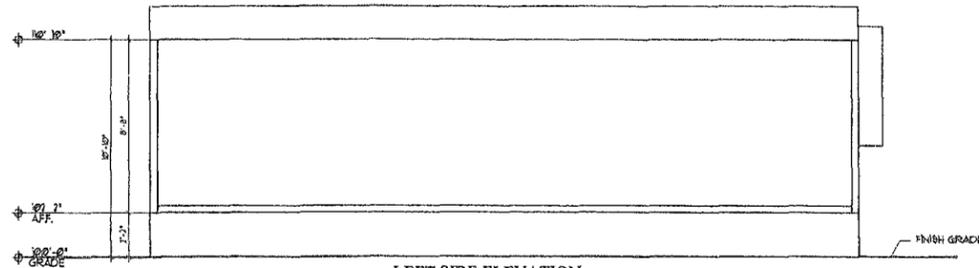
CLASSROOM TYPE IV
SEM SERIAL # A/B
ELECTRICAL PLAN

Southeast Modular Manufacturing
2500 INDUSTRIAL STREET
LEESBURG, FLORIDA 34748

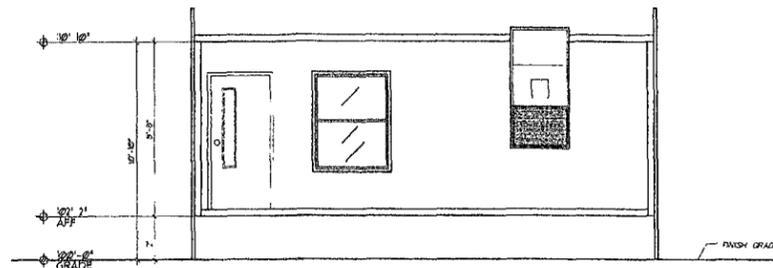
DRAWN BY: JD
CHECKED BY: WJM
DATE:
SCALE: 1/4"=1'0"
SERIAL# A/B
SHEET 6A
OF 12 SHEETS



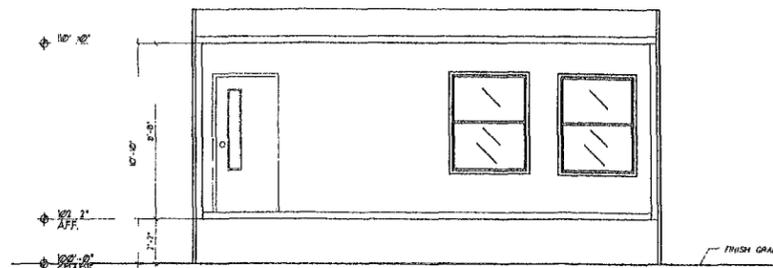
RIGHT SIDE ELEVATION
SCALE: 1/4" = 1'-0"



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
110-30 07 R-1
APPROVAL DATE
July 18, 2012

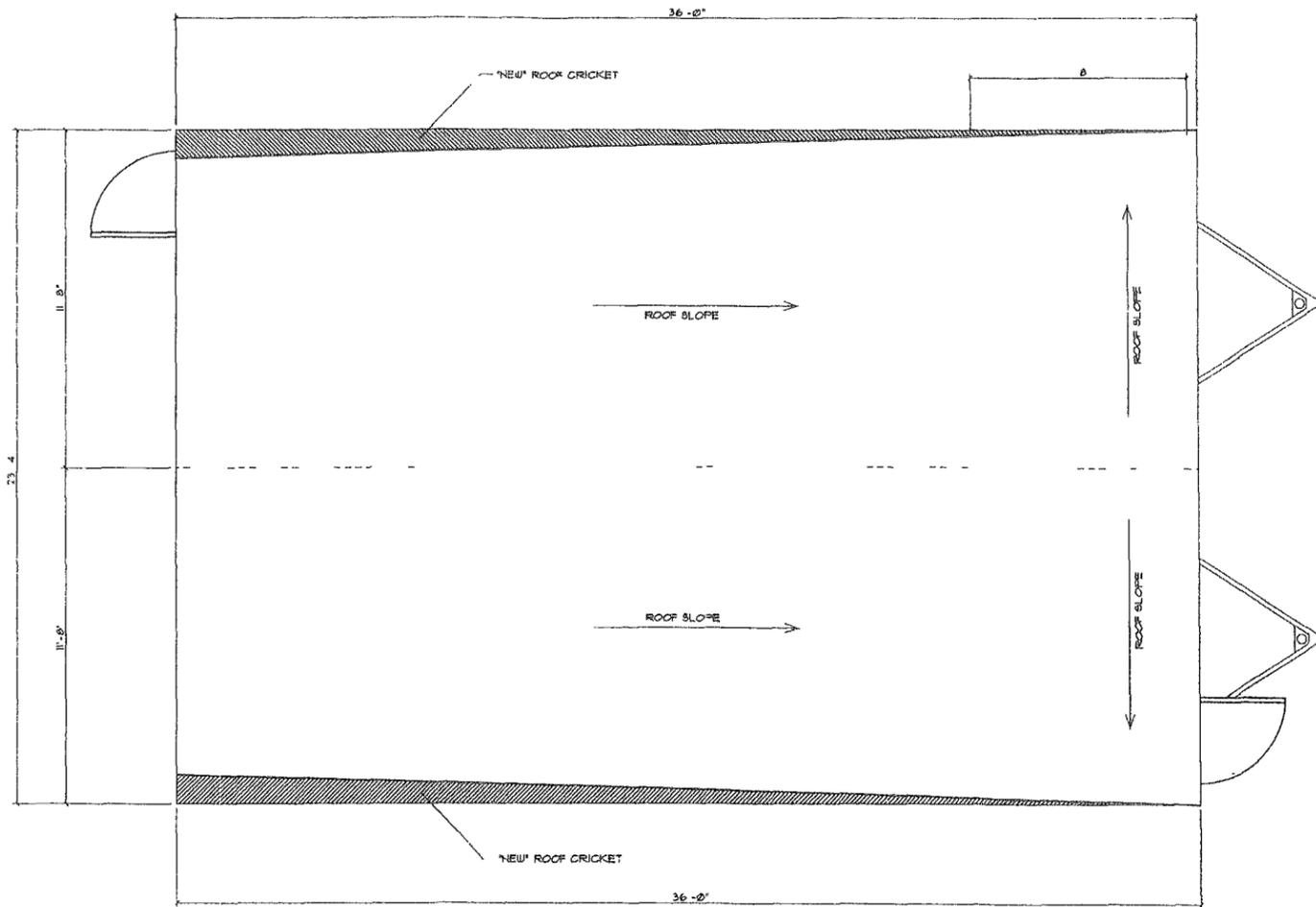
REVISION DATE:	DATE: 04-10-2012
	DRAWN: R.C.S.
	JOB #: CONVERSION
	SHEET NO. A2

MODULAR PLANS DESIGN, CO.
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1474 S. FLORIDA AVE. SUITE 201
MCKEAN, FLORIDA 33863
PH: 888-888-1064
FAX: 888-888-1118
MORNING SUNSHINE ARCHITECTURE



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

11/1/12



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: 3/4" = 1'-0"

C.R.A.
DBPR PLAN REVIEW
11030.072-1
APPROVAL #
DATE 02/19/2012

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

MODULAR PLANS DESIGN, CO.
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LANELAND, FLORIDA 33409
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MODULAR STRUCTURE FOR:
Mobile-Modular
(24' X 36')