BUILDING DESIGN CRITERIA:(FLA.)

OCCUPANCY GROUP: A-2 - ASSEMBLY
CONSTRUCTION TYPE: VI
BUILDING SIZE: 50'-0" X 64'-0"
SQUARE FOOTAGE: 3200
EGRESS LOAD: 140
PLUMBING LOAD: 140
DESIGN LOADS:
ROOF: 20 P.S.F.
FLOOR: 100PSF
WIND SPEED: 110M.P.H. **EXPOSURE:** B
SEISMIC: NONE

DESIGN CODES: FLORIDA

2001 FLORIDA BUILDING CODE
2001 FLORIDA MECHANICAL CODE
2001 FLORIDA PLUMBING CODE
1999 NATIONAL ELECTRICAL CODE
2000 NFPA 101 LIFE SAFETY CODE
2001 FLORIDA BUILDING CODES (ACCESSIBILITY)
2001 FLORIDA ENERGY EFFICIENCY CODE

STRUCTURAL LOAD LIMTATIONS: FL.

1. BASE WIND SPEED - 110 MPH

2. IMPORTANCE FACTOR 1.0

3. EXP. - B

4. N/A - INCLUDED IN TABLES.

WIND LOAD:
A. 110 MPH WIND SPEED
B. Iw = 1.0 WIND IMPORTANCE FACTOR.
C. B WIND EXPOSURE CATEGORY.
D. GCpi = 0.18 INTERNAL PRESSURE COEFFICIENT.
E. PW = 29.1 PSF WALL COMPONENT & CLADDING LOAD
F. Pr = 55.0 PSF ROOF COMPONENT & CLADDING LOAD
G. THIS BUILDING IS NOT DESIGNED FOR PLACEMENT ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 15 FEET IN HEIGHT.

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

GENERAL NOTES:

1. THIS BUILDING IS DESIGNED AS AN INDEPENDENT STRUCTURE AND IS TO HAVE A FIRE SEPARATION DISTANCE A MIN. OF 30'-0" FROM AN ASSUMED OR KNOWN PROPERTY LINE, UNLESS FIRE RESISTANT RATING IS NOT REQUIRED BY TABLE 600 OF THE FLORIDA AND/OR STANDARD BUILDING CODE. FOR STRUCTURES CLOSER THAN REQUIRED SEPARATION OR ANY OTHER CONDITIONS, IT SHALL BE THE SOLE RESPONSIBILITY OF THE DEALER TO PROVIDE NECESSARY PROVISIONS TO COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODE REQUIREMENTS.

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. ACCESS TO BUILDING FOR PERSONS IN WHEELCHAIRS MUST BE DESIGNED AND INSTALLED BY OTHERS AT SITE AND SUBJECT TO APPROVAL BY LOCAL JURISDICTION. THE PRIMARY ENTRANCE MUST BE ACCESSIBLE.

4. TRUSSES TO BE CERTIFIED BY TRUSS DESIGNER FOR LOAD AND APPLICATION USED (NOT RESPONSIBILITY OF DESIGN ENGINEER).

5. PORTABLE FIRE EXTINGUISHER(S) PER N.F.P.A.-10 SUBJECT TO APPROVAL BY LOCAL JURISDICTION.

6. THRESHOLD AT DOORWAYS SHALL BE BEVELED WITH A MAX. EDGE HEIGHT OF 1/2" AND NOT MORE THAN 1:2 SLOPE.

FOUNDATION:

THE ANCHORING AND FOUNDATION OF THE STRUCTURE ARE CRITICAL FOR THE STRUCTURAL INTEGRITY OF THE BUILDING AND MUST BE DESIGNED BY A LOCAL ENGINEER.

ELECTRICAL NOTES:

1. LIGHT FIXTURES INSTALLED IN CLOSETS SHALL BE SURFACE MOUNTED OR RECESSED WITH COMPLETELY REDUCED LAMPS AND SHALL BE INSTALLED IN ACCORDANCE WITH N.E.C. 410-8.

2. A DISCONNECT SHALL BE PROVIDED WITHIN SITE & READILY ACCESSIBLE FOR ALL AIR CONDITIONING EQUIPMENT. DISCONNECT MAY BE INSTALLED ON OR WITHIN HVAC EQUIPMENT.

3. MAIN DISTRIBUTION PANEL SHALL BE FURNISHED AT SITE & INSTALLED IN ACCORDANCE WITH LOCAL AND STATE CODES.

4. WEATHER PROOF PROTECTION REQUIRED FOR ALL OUTDOOR LIGHTS AND/OR RECEPTACLES.

5. RECESSED ELECTRICAL SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND N.E.C. 410-65 & 66.

6. ALL CIRCUITS & EQUIPMENT SHALL BE PROPERLY GROUNDED IN ACCORDANCE WITH THE N.E.C.

7. ALL WIRING (ELECTRICAL, COMMUNICATION, FIRE ALARM, ETC.) IN HVAC RETURN AIR PLENUMS MUST BE INSTALLED IN PROPER RACEWAYS OR BE APPROVED TYPE CABLES PER N.E.C. 300-22. NO ROMEX OR SEU CABLES ARE PERMITTED.

8. EXTERIOR MOUNTED CROSSOVERS OF ELECTRICAL CIRCUITS SHALL BE CONNECTED @ SITE & INSTALLED WITH ACCESSIBLE JUNCTION BOXES OR CABLE CONNECTORS. WIRES SHALL BE OF A TYPE APPROVED FOR INSTALLATION IN DAMP AREAS.

9. WHEN WATER HEATER HEATERS ARE INSTALLED THEY SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS ADJACENT TO THE WATER(S) 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 OF THE WATER HEATER OR IS CAPABLE OF BEING LOCKED IN THE OPEN POSITION.

ELEVATION NOTES:

1. SEE CROSS SECTION FOR METHOD OF ROOF VENTILATION.

2. FOUNDATION ENCLOSURE (WHEN PROVIDED) MUST HAVE 1 SQ. FT. NET AREA PER 1/150th OF THE FLOOR AREA, AND AN 18" x 24" MIN. CRAWL SPACE ACCESS, SITE INSTALLED BY OTHERS AND SUBJECT TO LOCAL JURISDICTION.

MECHANICAL NOTES:

1. DUCT EXPOSED TO NONCONDITIONED SPACE SHALL BE INSULATED TO PROVIDE THERMAL RESISTANCE.

2. DUCTS SHALL BE CLASS I, AND IF ALUMINUM OR GALVANIZED, CONSTRUCTION SHALL BE PER CODE.

3. SUPPLY AIR SHALL BE VIA DIFFUSER WITH ADJUSTABLE DAMPERS.

4. RETURN AIR SHALL BE VIA GRILLES EITHER MOUNTED IN CEILING, WALLS OR DOOR(S), AND/OR BY UNDERCUT DOORS.

5. VENT FANS SHALL BE DUCTED TO THE EXTERIOR AND TERMINATE AT AN APPROVED VENT CAP.

6. REST ROOM VENT FANS SHALL PROVIDE A MINIMUM OF 50 CFM PER WATER CLOSET AND/OR URINAL.

PLUMBING:

1. ALL PLUMBING FIXTURES SHALL HAVE SEPARATE SHUT-OFF VALVES.

2. STORAGE TYPE WATER HEATERS SHALL BE EQUIPPED WITH A DRAIN VALVE, T7P RELIEF VALVE (WITH DRAIN THROUGH FLOOR) AND A SHUTOFF VALVE WITHIN 3' ON COLD WATER SUPPLY LINE.

3. WATER HEATER THERMOSTAT SHALL BE FACTORY SET AT 120°.

4. LAVATORIES OF PUBLIC RESTROOMS SHALL BE EQUIPPED WITH OUTLET DEVICES WHICH LIMIT THE FLOW OF HOT WATER TO A MAXIMUM OF 0.5 GPM, OR BE EQUIPPED WITH SELF-CLOSING VALVES (UNLESS DESIGNED FOR THOSE WITH PHYSICAL DISABILITIES).

5. PLUMBING DWV MANIFOLD AND CLEANOUTS SHALL BE SUPPLIED AND INSTALLED AT SITE UNLESS PART OF SCOPE OF WORK.

6. WATER SUPPLY LINES SHALL BE CPVC OR COPPER.

7. DWV SYSTEM SHALL BE EITHER ABS OR PVC, IPS SCHEDULE 40.

8. DWV AND SUPPLY PIPING SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE STATE CODES.

SITE-INSTALLED ITEMS:

NOTE: THIS LIST DOES NOT NECESSARILY LIMIT THE ITEMS OF WORK AND MATERIALS REQUIRED FOR A COMPLETE INSTALLATION. ALL SITE RELATED ITEMS ARE SUBJECT TO LOCAL JURISDICTION.

1. CUSTOMER AND SET-UP CONTRACTOR TO CHECK AND REVIEW SHIP-LOOSE DRAWINGS.
2. PORTABLE FIRE EXTINGUISHER(S).
3. DELETED.
4. ELECTRICAL SERVICE CONNECTION (INCLUDING FEEDERS) TO THE BUILDING.
5. CONNECTION OF ELECTRICAL CIRCUITS CROSSING OVER MODULE MATING LINE(S) -- (MULTI-UNITS ONLY).
6. STRUCTURAL AND AESTHETIC INTERCONNECTIONS BETWEEN MODULES (MULTI-UNITS ONLY).
7. INTERNATIONAL BARRIER-FREE SYMBOL TO BE ON OUTSIDE OF THE BUILDING MAIN ENTRANCE AND ON THE OUTSIDE OF THE HANDICAP TOILET ROOM DOORS (AT SITE UNDER CONTRACTUAL TERMS BETWEEN CUSTOMER AND OWNER/USER).
8. STORM SHUTTERS FOR DOORS AND WINDOWS SHALL BE DESIGNED BY OTHERS, SITE INSTALLED SUBJECT TO LOCAL JUERISDICTION APPROVAL.
9. EXIT DISCHARGE LIGHTING.
10. ROOF DRAINS AND OVERFLOWS

ACCESSIBILITY:

GRAB BARS
1 1/4" TO 1 1/2" DIA W/ 1 1/2" OF CLEAR SPACE BETWEEN THE BAR AND THE WALL GRAB BARS: 36" MIN. BEHIND TOILET & 42" ALONG SIDE OF TOILET, MOUNTED @ 33" TO 36" A.F.F. TO CENTER

TOILETS
HEIGHT: 17" TO 19" TO TOP OF TOILET SEAT
TOILET PAPER DISPENSER: SHALL BE WITHIN REACH & 19" A.F.F. MIN.

LAVATORY
HEIGHT: 34" A.F.F. TO RIM MAX & 29" A.F.F. MIN. TO BOTTOM OF APRON
FAUCETS: SHALL BE OPERABLE BY ONE HAND AND REQUIRE NO GREATER THAN 5 LBS OF FORCE TO ACTIVATE (IE; LEVER OPERATED, PUSH TYPE, AND ELECTRONICALLY CONTROLLED)

URINALS
HEIGHT: STALL TYPE OR WALL HUNG ELONGATED W/RIM @ 17" A.F.F. MAX

MIRRORS
1 SHALL BE MOUNTED WITH BOTTOM EDGE NO HIGHER THAN 40" A.F.F.

CONTROLS, DISPENSERS, RECEPTACLES & OTHER OPERABLE EQUIPMENT
NO HIGHER THAN 48" FOR FRONT APPROACH
NO HIGHER THAN 54" FOR SIDE APPROACH
RECEPTACLES SHALL BE NO LESS THAN 15" A.F.F.

SINKS
HEIGHT: 34" MAX TO RIM OR COUNTER
KNEE CLEARANCE: 27" HIGH, 30" WIDE & 19" DEEP BELOW SINK
DEPTH: 6 1/2" MAX SINK DEPTH
EXPOSED HOT WATER & DRAIN PIPES SHALL BE INSULATED (TYP ALL SINKS AND LAVS)

DOORS:
1/2" MAX THRESHOLD HEIGHT
HARDWARE: EASY TO GRASP & DOES NOT REQUIRE TWISTING OF WRIST (IE: PUSH-TYPE, LEVER OPERATED OR U-SHAPED) 48" MAX A.F.F.
OPENING FORCE: 8.5 LBS (EXT. HINGED) 5 LBS (INT. HINGED)
TOILET DOORS SHALL BE SELF CLOSING

VISUAL ALARMS SHALL BE INSTALLED IN RESTROOMS IN BUILDINGS EQUIPPED W/ EMERGENCY WARNING SYSTEMS

ATTENTION: THE FOLLOWING ITEMS WILL NEED TO BE SITE INSTALLED BY OTHERS DUE TO:
MATERIAL CROSSING MATE-LINES
WEIGHT RESTRICTIONS
HEIGHT RESTRICTIONS
CUSTOMER REQUEST

- [x] CARPET/ TILES
- [ ] TOILETS
- [ ] PLUMBING CONNECTIONS
- [ ] ROOF VENT
- [ ] WATER COOLER
- [ ] COUNTER TOPS
- [ ] SINKS
- [ ] DOORS
- [ ] PLUMBING VENT
- [ ] TOILET PARTITIONS
- [x] 1 hr WALL/CEILING FINISH
- [ ] RIDGEBEAM SUPPORTS
- [ ] SUSPENDED CEILING

Date 8-1-02 Plan No. 2046-255F
Approved By CLAYTON E. BARROWS
Modular Building Plans Examiner
Florida License No. SMP-1

FLORIDA
JUL 31 2002

ENGINEER BY
ROBERT E. GREGG ARCHITECTS
2963 GULF TO BAY, SUITE 220
CLEARWATER, FL 34616

THIRD PARTY LISTING AGENCY APPROVAL
THESE PRINTS COMPLY WITH THE FLORIDA MANUFACTURED BUILDING ACT AND ADOPTED CODES AND ADHERE TO THE FOLLOWING CRITERIA
APPROVED BY HWC

CONST. TYPE	VI
OCCUPANCY	A-2
ALLOWABLE # OF FLOORS	1
WIND VELOCITY	110 mph
FIRE RATING OF EXTERIOR WALLS	0
PLAN NO.	2046-255 F
ALLOWABLE FLOOR LOAD	100
APPROVAL DATE	8-1-02
MANUFACTURER	UNITED MODULAR
HIGH VELOCITY HURRICANE AREAS	NO

APPROVAL OF THIS DOCUMENT DOES NOT AUTHORIZE OR APPROVE ANY DEVIATION OR DEVIATIONS FROM THE REQUIREMENTS OF APPLICABLE STATE LAWS

MANUFACTURE I.D. NUMBER: UM-333-6

REVISIONS

NO	DATE	BY	DESCRIPTION

AFFORDABLE STRUCTURES
P.O. BOX 1350
TAVARES, FL 32778
(352)742-7488

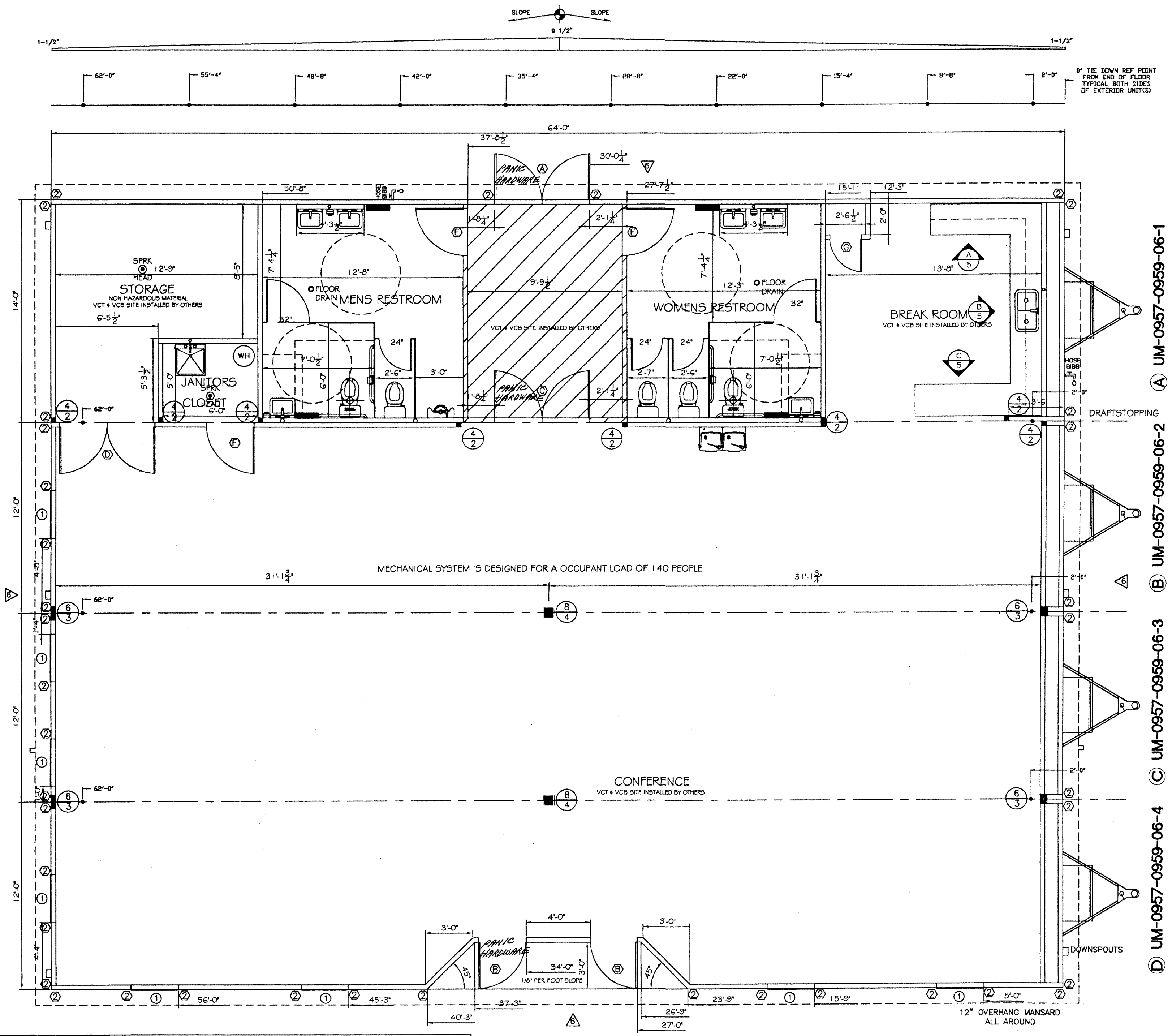
UNITED MODULAR
EXPERIENCE-QUALITY-EXCELLENCE
Arizona 5301 W. MADISON AVE. PHOENIX, AZ. 85043 (602) 233-1903
California 2830 BARRETT AVE. PERRIS, CA. 92572 (909) 484-4280
California 12030 S. HARLAN RD. LATHROP, CA. 95330 (209) 983-8180
Texas 310 GIBB BLVD. GLEN ROSE, TX. 76043 (254) 897-3072
Florida 6101 45TH ST. N. ST. PETERSBURG, FL. 33714 (727) 528-8006
Florida 2500 22nd AVENUE N. ST. PETERSBURG, FL. 33713 (727) 528-0550

LAKE COUNTY
COMM. CENTERS

COVER SHEET

DATE: 06/20/02
DRAWN BY: BR/JB
CHECKED BY: H.W.C
DRAWING#: UM-0957-0959-06-1-4
PROJECT#: FL-0818-02
APPROVAL#: 2046-255
DATE REVISED:
SHEET#: 1 of 5

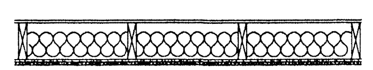
2046-255



RIDGEBEAM SPAN CHART

UNITS	SIDE	FROM	TO	LENGTH	MATERIAL
A/B	A	0'-0"	3'-7 3/4"	3'-7 3/4"	2x4 EDGE RAIL
A/B	B	0'-0"	1'-3 1/4"	1'-3 1/4"	2x4 EDGE RAIL
A/B	A	3'-7 3/4"	15'-2 3/4"	11'-7"	1 1/2"x24" LVL
A/B	B	1'-3 1/4"	15'-2 3/4"	13'-11 1/2"	1 1/2"x24" LVL
A/B	A	15'-2 3/4"	27'-9 1/4"	12'-6 1/2"	2x4 EDGE RAIL
A/B	A	27'-9 1/4"	38'-3 1/4"	10'-6"	1 1/2"x24" LVL
A/B	A	38'-3 1/4"	50'-9 3/4"	12'-6 1/2"	2x4 EDGE RAIL
A/B	A	50'-9 3/4"	57'-1 1/4"	6'-3 1/2"	1 1/2"x24" LVL
A/B	A	57'-1 1/4"	64'-0"	6'-10 3/4"	1 1/2"x24" LVL
A/B	B	15'-2 3/4"	64'-0"	48'-9 1/4"	2x4 EDGE RAIL
B/C	B/C	0'-0"	1'-3 1/4"	1'-3 1/4"	2x4 EDGE RAIL
B/C	B/C	1'-3 1/4"	32'-6 3/4"	31'-3 1/2"	1 1/2"x24" LVL
B/C	B/C	32'-6 3/4"	64'-0"	31'-5 1/4"	1 1/2"x24" LVL
C/D	C/D	0'-0"	1'-3 1/4"	1'-3 1/4"	2x4 EDGE RAIL
C/D	C/D	1'-3 1/4"	32'-6 3/4"	31'-3 1/2"	1 1/2"x24" LVL
C/D	C/D	32'-6 3/4"	64'-0"	31'-5 1/4"	1 1/2"x24" LVL

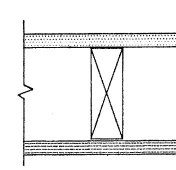
*MAY SUBSTITUTE EQUAL OR BETTER MATERIALS



1-HR CEILING DETAIL

GA RC 2601

BASE LAYER 5/8" TYPE X GYPSUM WALLBOARD APPLIED AT RIGHT ANGLES TO 2x WOOD JOISTS @ 24" O.C. w/ 1 1/4" TYPE W OR S DRYWALL SCREWS @ 24" O.C. FACE LAYER 5/8" TYPE X GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED AT RIGHT ANGLES TO JOIST w/ 1 7/8" TYPE S DRYWALL SCREWS 12" O.C. AT JOINTS & INTERMEDIATE ON EITHER SIDE OF END JOINTS. JOINTS OFFSET 24" FROM BASE LAYER JOINTS. WOOD JOIST SUPPORTING 1/2" PLYWOOD w/ EXTERIOR GLUE APPLIED AT RIGHT ANGLES TO JOISTS w/ d NAILS. APPROPRIATE ROOF COVERING. CEILING PROVIDES ONE HOUR FIRE RESISTANCE PROTECTION FOR WOOD FRAMING, INCLUDING TRUSSES



1-HR WALL DETAIL

GA WP 3520

ONE LAYER 5/8" TYPE X PLAIN OR DECORATED GYPSUM WALLBOARD, APPLIED PARALLEL TO EACH SIDE OF 2x WOOD STUDS @ 24" O.C. w/ 6d COATED NAILS, 1 7/8" LONG, .0915" SHANK, 1/4" HEADS 7" O.C. @ JOINTS, TOP & BOTTOM PLATES AND BEAD OF ADHESIVE @ INTERMEDIATE STUDS

JOINTS STAGGERED 24" ON OPPOSITE SIDES (LOAD-BEARING)

FINISH SCHEDULE

	INTERIOR	REMARKS
FLOOR	1. 1/8" V.C.T COLOR: 51839 FORTRESS WHITE	RESTROOM & J.CLOSET ONLY
	2. CARPET READY THRU-OUT REMAINDER SITE INSTALLED BY OTHERS COLOR:	X X
	3. IN/OUTDOOR CARPET OVER BLACK RUBBER FLASH UP WALL IN RECESSED ENTRY 4" COLOR: GRAY	ENTRY WAY
BASE	1. VINYL 4" COVE BASE X COLOR: 208 TAUPE	RESTROOM ONLY
	2. X X COLOR: X	X X X
WALLS	1. VCG (5/8" IN FIRE RATED AREAS 1/2" REMAINDER) COLOR: BERKLEY THISTLE	X X X
	2. FRP OVER VCG 4' HIGH X COLOR: GREY	RESTROOM ONLY X
TRIM	1. VINYL BATTEN COLOR: GREY	ISC, OSC SEAMS
	2. COLOR:	X X
CEILING	1. 5/8 GYP IN FIRE REATED AREAS 1/2" GYP IN REMAINDER 8'-0" A.F.F. TAPE TEXTURE PAINT COLOR:	X X X
	2. X X COLOR: X	X X X

DOOR SCHEDULE

SYM	SIZE	THK.	DOOR MAT'L	DOOR TYPE	JAMB MAT'L	JAMB TYPE	JAMB	FIN GRP	HRD GRP	QTY	ROUGH OPENING	REMARKS
A	72x80	1-3/4"	ST	18 GA	ST	16 GA	4-9/16"	1	1	1	74-1/4x81	REMOVABLE MULLION
B	36x80	1-3/4"	ST	18 GA	ST	16 GA	4-9/16"	1	1	2	38x81	
C	72x80	1-3/4"	BIRCH	SC	ST/HM	16 GA	N/A	2	2	1	73-1/2x81	20 MIN.
D	72x80	1-3/4"	BIRCH	SC	ST/HM	16 GA	N/A	2	3	1	73-1/2x81	
E	36x80	1-3/4"	BIRCH	SC	ST/HM	16 GA	N/A	2	4	1	37-1/4x81	20 MIN.
F	36x80	1-3/4"	BIRCH	SC	ST/HM	16 GA	N/A	2	3	1	37-1/4x81	
G	24x80	1-3/4"	BIRCH	SC	ST/HM	16 GA	N/A	2	5	1	25-1/4x81	

FINISH GROUP

1. PAINTED
   INTERIOR COLOR : SW2254
   EXTERIOR COLOR : SW2254
   JAMB COLOR :
2. STD PREFINISHED
   INTERIOR COLOR : GREY
   EXTERIOR COLOR : GREY
   JAMB COLOR :
3. X
   INTERIOR COLOR : XX
   EXTERIOR COLOR : XX
   JAMB COLOR : XX

HARDWARE GROUP

NOTE DOOR HANDLES TO BE HANDICAP ACCESSIBLE.
1. 6x30 LITE KIT W/ WIRED GLASS, CLASSROOM LOCKSETS KEYED, PUSH PLATES AND CLOSURE
2. 6x30 LITE KIT PANIC DEVICE W/ PULL HANDLE, CLOSURE, SMOKE SEAL, MATCHING CASING AND WALL DOOR STOP.
3. KEYED, MATCHING CASEING AND WALL DOOR STOP.
4. PUSH PULL HANDLES, CLOSURE, SMOKE SEAL, MATCHING CASEING AND WALL DOOR STOP.
5. PASSAGE LOCKSET, MATCHING CASEING AND WALL DOOR STOP.

WINDOW SCHEDULE

SYM	SIZE	WINDOW TYPE	FRAME	GLASS	QTY	ROUGH OPENING	REMARKS
1	36x48	VS W/ GRIDS	WHITE	BRONZE	8	36-1/4x48-1/4	SEASONSHIELD

HEADER HEIGHT	MISCELLANEOUS
82" A.F.F.	1. 1" REGULAR MINI BLINDS COLOR: GREY QTY: 8

CONSTRUCTION NOTES

CHASSIS

DIMENSION	(1) 14'-0"x64'-0"
DIMENSION	(3) 12'-0"x64'-0"
FRAME	BASEMENT
I-BEAM	12"
OR/CM/MC	4/4/4
HITCH	DETACHABLE
AXLE	4
W-B	2/3
TIRES	800 NEW 8-PLY
SPECIAL NOTES	

FLOOR

JOISTS	2x6x165" SPF #2
JOISTS	2x6x141" SPF #2
SPACING	16" O.C.
SPACING	N/A
DECKING	3/4" T&G PLYWOOD 20"o.c.
INSULATION	R-11 UNFACED
BTM. CLDS	STD .040 PLASTIC

EXTERIOR WALLS

STUDS	2x4x106-1/4" SPF #2
STUDS	N/A
SPACING	16" O.C.
SPACING	N/A
BALLOON	N/A
FLAT	N/A
TOP PLATE	DBL 2x4 TOP PLATE
INSULATION	R-11 KRAFT
SIDING	5/16" HARDIPANEL STUCCO
GROOVES	8" O/C
SHEATHING	T-PLY
SPECIAL NOTES	

INTERIOR WALLS

STUDS	2x4x108" SPF #2
STUDS	N/A
STUDS	N/A
SPACING	16" O.C.
FULL HT.	N/A
FLAT	ALL WALLS
TOP PLATE	SGL 2x4, DBL AS NEEDED
INSULATION	R-11
SPECIAL NOTES	

ROOF

ROOF CVR -	45 MIL EDPM RUBBER
COLOR:	BLACK
RAFTER	STEP DOWN TRUSS
RAFTER	165 AND 141
RAFTER	N/A
ROOF SLOPE	1/4" TO 12"
SPACING	16" o.c
SPACING	N/A
SHEATHING	7/16" OSB
SHEATHING FASTING	8d 6" Egde/12" Field
5/8 GYP.	IN CORIDOOR
INSULATION	R-19 KRAFT / PLASTIC
OVERHANG	N/A
MANSARD	S.S. ANGLE 33 1/2"
DRAINAGE	GUTTER & DOWNSPOUTS

RIDGEBEAM

SEE CHART

LAMINATED

GLUE LAM	N/A
CENTER HT.	N/A
HEEL HT.	N/A

CLOSE-UP PREP.

HARD CLOSE UP	N/A
SOFT CLOSE UP	N/A
SPECIAL NOTES	N/A

COLUMNS

SEE STRUCTURAL PKG PAGE S-17

STRAPS / STUDS: INDICATES NO. OF STEEL STRAPS INSTALLED AT SUPPORT COLUMN LOCATIONS (EA. HALF) / INDICATES NO. OF STUDS INSTALLED AT SUPPORT COLUMN LOCATIONS (EA. HALF)

SHEARWALLS & HOLD DOWNS

SEE STRUCTURAL PKG PAGE S-16

1 SHEARWALLS

1 HOLD DOWN

NOTE: DIMENSIONS DO NOT INCLUDE WALL COVERING ALL WALLS 2x4 UNLESS NOTED

CLEAR SPAN

LOAD	N/A
CENTER HT.	N/A
HEEL HT.	N/A
POST SIZE	N/A
TOP OF I-BEAM TO BOTT. OF TRUSS	

SPRKLR SYSTEM

REQUIRED		NOT REQUIRED	X

ACCESSORIES

CABINET -	HP LAM.
COLOR:	929-58 OYSTER GREY
COUNTER-	HP LAM.
EDGE TYPE:	SQUARE
COLOR:	949-58 WHITE
SHELVING-TYPE:	120 LF WIRE TYPE 4 TIERS IN STR. ROOM & PANTRY
COLOR:	
MISC.	N/A
MISC.	N/A
MISC.	N/A

SKIRTING

N/A
N/A

ENGINEER BY

ROBERT E. GREGG ARCHITECTS
2963 GULF TO BAY, SUITE 220
CLEARWATER, FL 34616

THIRD PARTY LISTING AGENCY APPROVAL

THESE PRINTS COMPLY WITH THE FLORIDA MANUFACTURED BUILDING ACT AND ADOPTED CODES AND ADHERE TO THE FOLLOWING CRITERIA

APPROVED BY HWC

CONST. TYPE	VI
OCCUPANCY	A-2
ALLOWABLE # OF FLOORS	1
WIND VELOCITY	110 mph
FIRE RATING OF EXTERIOR WALLS	0
PLAN NO.	2046-255F
ALLOWABLE FLOOR LOAD	100
APPROVAL DATE	8-1-02
MANUFACTURER	UNITED MODULAR
HIGH VELOCITY HURRICANE AREAS	NO

APPROVAL OF THIS DOCUMENT DOES NOT AUTHORIZE OR APPROVE ANY DEVIATION OR DEVIATIONS FROM THE REQUIREMENTS OF APPLICABLE STATE LAWS

MANUFACTURE I.D. NUMBER: UM-333-6

FLORIDA

JUL 3 1 2002

REVISIONS			
NO	DATE	BY	DESCRIPTION

AFFORDABLE STRUCTURES
P.O. BOX 1350
TAVARES, FL 32778
(352)742-7488

UNITED MODULAR
EXPERIENCE-QUALITY-EXCELLENCE

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5301 W. MADISON AVE.
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(602) 233-1903

California
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PERRIS, CA. 92572
(909) 484-4280

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12030 S. HARLAN RD.
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Texas
310 GIBB BLVD.
GLEN ROSE, TX. 76043
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Florida
6101 45TH ST. N.
ST. PETERSBURG, FL. 33714
(727) 528-8006

Florida
2500 22nd AVENUE N.
ST. PETERSBURG, FL. 33713
(727) 528-0550

LAKE COUNTY COMM. CENTERS

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

DATE: 06/20/02

DRAWN BY: BR/JB

CHECKED BY: H.W.C

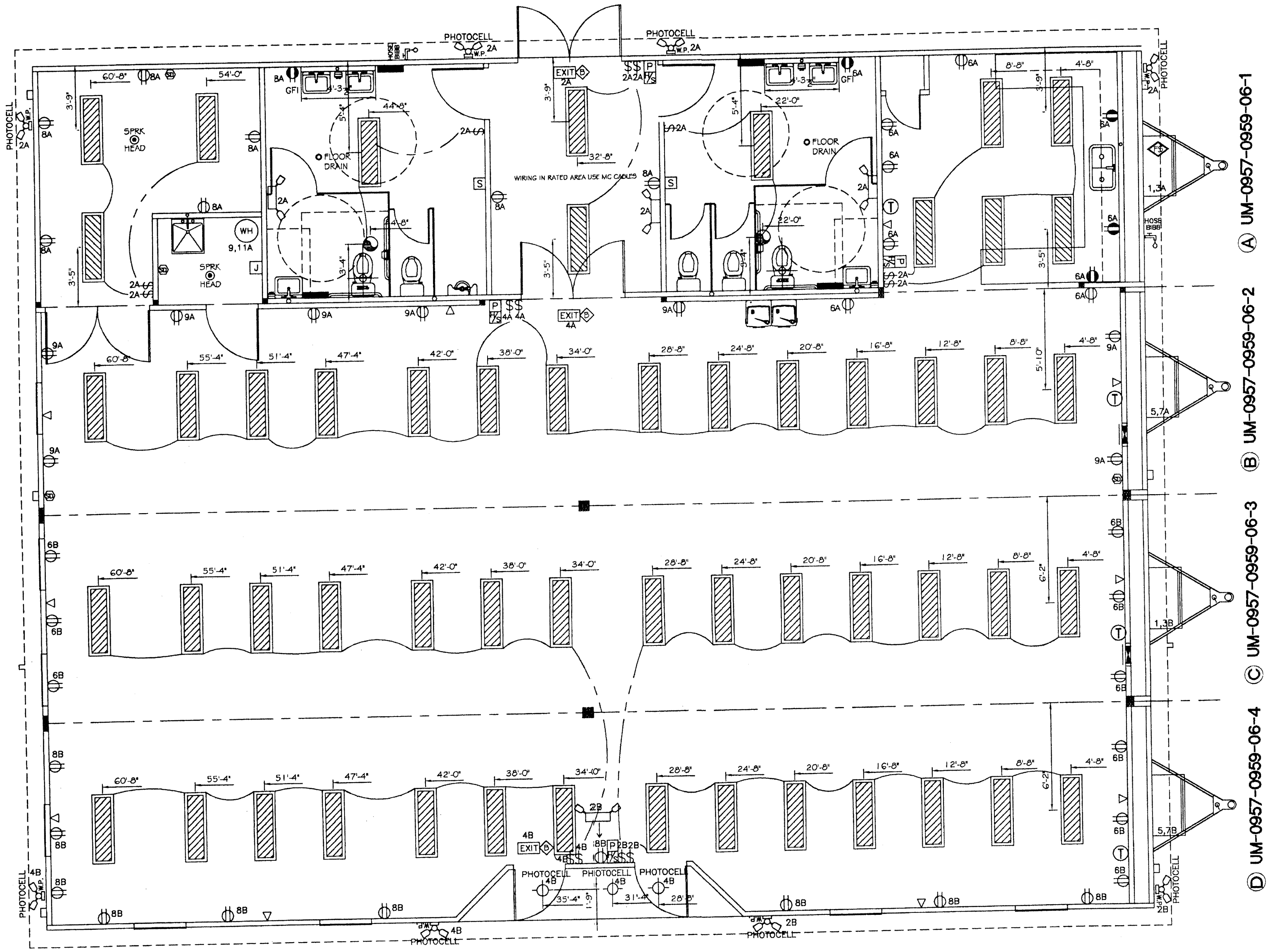
DRAWING#: UM-0957-0959-06-1-4

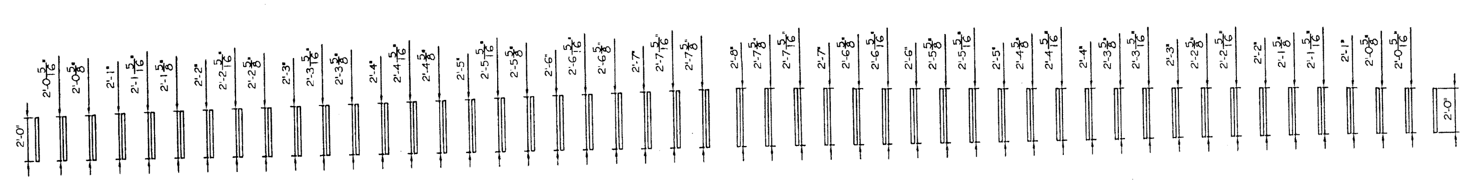
PROJECT#: FL-0818-02

APPROVAL#: 2046-255

DATE REVISED:

SHEET#: 2 of 5





TRUSS SPACEING 16" O.C.
TRUSS MANUF. BANKS LUMBER
TRUSS # MC02413 & MC02414

ELECTRICAL SCHEDULE

SYMBOL	DESCRIPTION	CLR	QTY	REMARKS
Duplex receptacle	DUPLEX RECEPTACLE W/ COVER PLATE @16" A.F.F. U.N.O. (NO BRAND SPECIFIED)	IVORY	40	
GFCI	GROUND FAULT CIRCUIT INTERRUPT RCPT. W/ COVER PLATE @42" A.F.F. U.N.O. (NO BRAND SPECIFIED)	IVORY	5	
$	SINGLE POLE SWITCH W/COVER PLATE @ 48" A.F.F. U.N.O. (NO BRAND SPECIFIED)	IVORY	14	
Fan	180 CFM FAN (VENT-LINE OR EQUAL)	N/A	2	
(T)	THERMOSTAT @48" A.F.F. U.N.O. BRAND: NO BRAND SPECIFIED	N/A	4	
Fixture	2x4-2 TUBE FLUORESCENT FIXTURE, RECESSED, DIFFUSED, (NO BRAND SPECIFIED)	N/A	54	
Panel	200 AMP 1 PHASE 120/240 W/200 AMP MAIN @48" A.F.F. TO BOTTOM OF PANEL/INT. RECESSED (N.B.S.)	N/A	2	
◁	2x4 J-BOX @16" A.F.F. W/ 3/4" CONDUIT STUBBED TO FLOOR U.N.O. w/ COVER PLATE	IVORY	10	FOR FUTURE TELEPONE
EXIT	CEILING MOUNT EXIT LIGHT A.F.F. W/ BATTERY BACK UP AND RED FACE LETTERS U.N.O.	N/A	3	
Emergency light	WALL MOUNT EMERGENCY LIGHT MNT'D CEILING W/ BATTERY BACKUP U.N.O.	N/A	4	
W.P.	FLOOD LIGHTS @84" A.F.F. U.N.O. (NO BRAND SPECIFIED)	N/A	8	
J	4x4 J-BOX MNT'D @60" A.F.F. W/3/4" CONDUIT STUBBED THRU FLOOR U.N.O.	N/A	1	FOR FUTURE INLET.
FS	SMOKE DETECTOR TO PROVIDE HVAC FAN SHUT-DOWN. TO BE LOCATED IN R/A STREAM PRIOR TO EXHAUSTING OR MIXING WITH FRESH AIR INTAKE	N/A	1	
P	J-BOX MANUAL PULL STATION DEVICE @ 48" A.F.F. DEVICES AND RELATED WIRING INSTALLED ON SITE BY OTHERS	N/A	4	
H/S	J-BOX FOR HORN/STROBE DEVICE @ 80" A.F.F. DEVICES AND RELATED WIRING INSTALLED ON SITE BY OTHERS	N/A	4	
S	J-BOX FOR STROBE WARNING DEVICE @ 80" A.F.F. DEVICES AND RELATED WIRING INSTALLED ON SITE BY OTHERS	N/A	2	
SD	HARD WIRED J-BOX WALL MOUNTED FOR SMOKE DETECTORS	N/A	4	
Can light	CAN LIGHTS W/ STD TRIM (NO BRAND SPECIFIED)	N/A	3	

RACEWAY ROMEX

NOTE:
1. ALL MEASUREMENTS FOR DEVICES WHICH REQUIRE A HEIGHT ARE TO THE BOTTOM LINE OF DEVICE UNLESS NOTED OTHERWISE
2. ALL EXTERIOR ELECTRICAL DEVICES TO BE WEATHERPROOF.
3. FIRE ALARM SYSTEM PROVIDED AND INSTALLED ON SITE BY OTHERS. (WHEN APPLICABLE.)

ELECTRICAL SCHEDULE

CKT. #	BREAKER	WIRE	NOMENCLATURE
1,3 A,B	60A 2 POLE	6-6-8 XHHW SE CABLE	HVAC
5,7 A,B			
2,4,6,8 A,B	20A 1 POLE	12-2 W/GROUND	LIGHTS / RECEPTS
9 A	30A 2 POLE	10-2 W/ GROUND	WATER HEATER
11 A			

PANEL "A" 200 AMP

		KVA
GEN. LIGHTING		
.0035 KW SF X 1664	SF X 1.25	= 7.3
26 RECEPTS	@ 180 VA / 1000	= 4.7
WATER HEATER 1	@ 4.5	= 4.5
2 FANS	@ 0.3KW X 1.25	= 0.8
2 HVAC	@ 10.9	= 21.8
DEDICATED 1.9 * 1.25		= 0.0
OTHER		= 0.0
TOTAL KVA		= 39.1
TOTAL / 240 X 1000		= 162.9

INSTALL 200 AMP PANEL 120/240V SINGLE PHASE

PANEL "B" 200 AMP

		KVA
GEN. LIGHTING		
.0035 KW SF X 1536	SF X 1.25	= 6.7
19 RECEPTS	@ 180 VA / 1000	= 3.4
WATER HEATER 0	@ 2.4	= 0.0
0 FANS	@ 0.3KW X 1.25	= 0.0
2 HVAC	@ 10.9	= 21.8
DEDICATED 1.9 * 1.25		= 0.0
OTHER		= 0.0
TOTAL KVA		= 31.9
TOTAL / 240 X 1000		= 132.9

INSTALL 200 AMP PANEL 120/240V SINGLE PHASE

ENGINEER BY
ROBERT E. GREGG ARCHITECTS
2963 GULF TO BAY, SUITE 220
CLEARWATER, FL 34616

THIRD PARTY LISTING AGENCY APPROVAL

THESE PRINTS COMPLY WITH THE FLORIDA MANUFACTURED BUILDING ACT AND ADOPTED CODES AND ADHERE TO THE FOLLOWING CRITERIA

APPROVED BY IIWC

CONST. TYPE	VI
OCCUPANCY	A-2
ALLOWABLE # OF FLOORS	1
WIND VELOCITY	110 mph
FIRE RATING OF EXTERIOR WALLS	0
PLAN NO.	2046-255F
ALLOWABLE FLOOR LOAD	100
APPROVAL DATE	8-1-02
MANUFACTURER	UNITED MODULAR
HIGH VELOCITY HURRICANE AREAS	NO

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MANUFACTURE I.D. NUMBER: UM-333-6

FLORIDA
JUL 3 1 2002

NO	DATE	BY	REVISIONS DESCRIPTION

AFFORDABLE STRUCTURES
P.O. BOX 1350
TAVARES, FL 32778
(352)742-7488

UNITED MODULAR
EXPERIENCE—QUALITY—EXCELLENCE
Arizona 5301 W. MADISON AVE. PHOENIX, AZ. 85043 (602) 233-1903
California 2830 BARRETT AVE. PERRIS, CA. 92572 (909) 484-4280
California 12030 S. HARLAN RD. LATHROP, CA. 95330 (209) 983-8180
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Florida 6101 45TH ST. N. ST. PETERSBURG, FL. 33714 (727) 528-8006
Florida 2500 22nd AVENUE N. ST. PETERSBURG, FL 33713 (727) 528-0550

LAKE COUNTY
COMM. CENTERS

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

DATE: 06/20/02
DRAWN BY: BR/JB
CHECKED BY: H.W.C
DRAWING#: UM-0957-0959-06-1-4
PROJECT#: FL-0818-02
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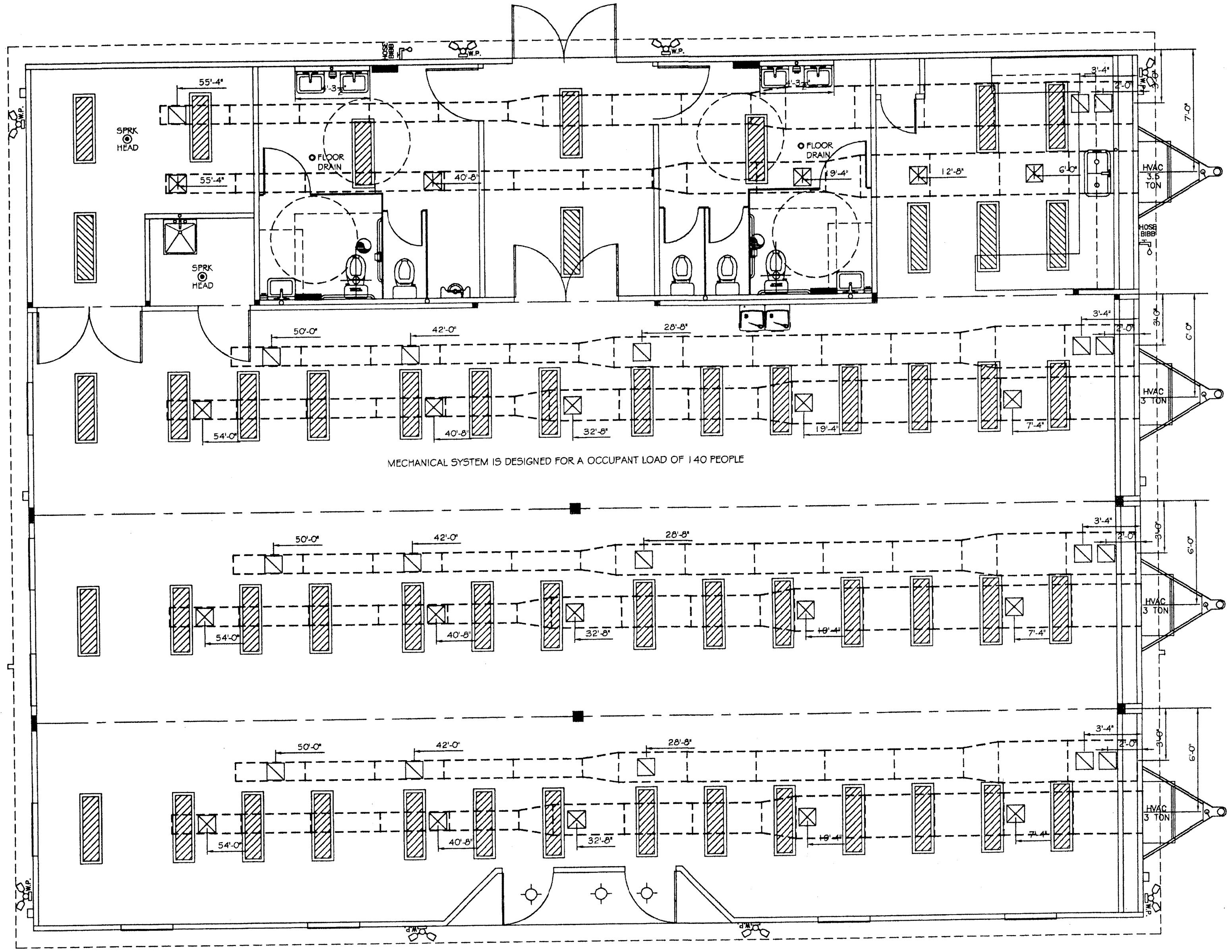


HVAC SCHEDULE

SYM	DESCRIPTION	QTY
✱ HVAC	3 TON AC W/ 10kw HEAT STRIP (F.A.D.) W/ CRV 1005 CFM @ .5 IWC ESP W/ FRESH AIR INTAKE 230V/208V, 60 AMP 1ø BRAND: BARD WA36-A10 OR EQUAL	3
✱ HVAC	3.5 TON AC W/ 10kw HEAT STRIP (F.A.D.) W/ CRV 1250 CFM @ .5 IWC ESP W/ FRESH AIR INTAKE 230V/208V, 60 AMP 1ø BRAND: BARD WA42-A10 OR EQUAL	1
	GALV. SLEEVE 12" LONG	4
	RETURN AIR PLENUM	4
	29"x9"x4'-0" FIBERGLASS DUCT.	30
	21"x9" x4'-0" FIBERGLASS DUCT.	29
	13"x9" x4'-0" FIBERGLASS DUCT.	42
	12"x12" 4-WAY THROW DIFFUSER. 8" COLLAR W/ SCOOP & DAMPER 8" FLEX. 8" BALD COLLAR.	20
	12"x12" RETURN AIR GRILL W/ 8" START COLLAR, 8" FLEX, 8" START COLLAR FOR FIBERGLASS.	18

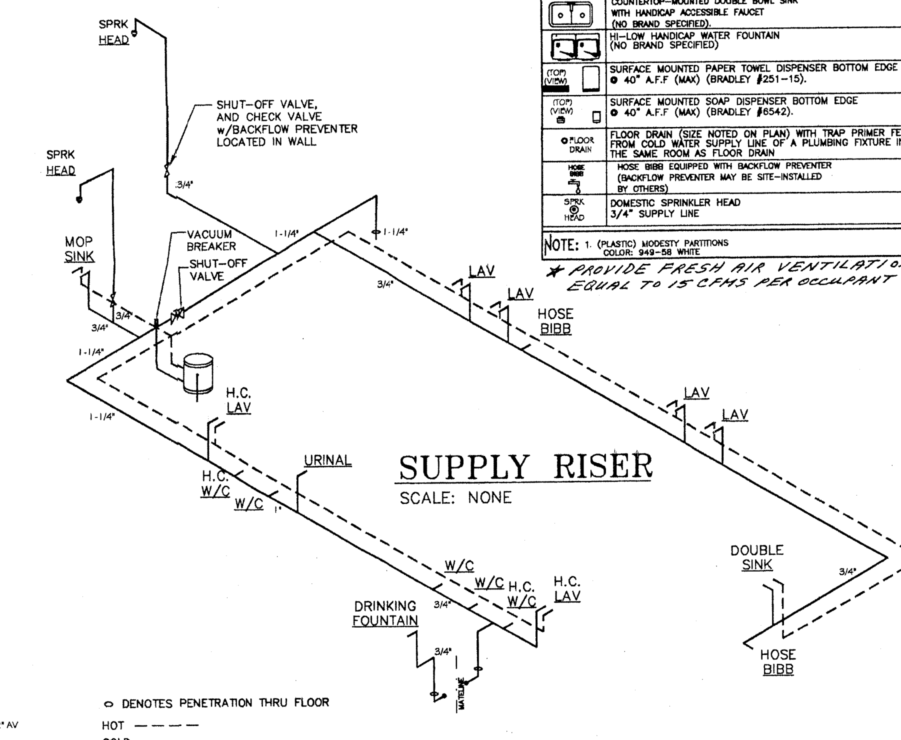
NOTE: RETRUN AIR DUCTED IN PLENUM OR LINE PLENUM WITH GYP PER STATE PACKAGE #S-M1

PLUMBING SCHEDULE

SYMBOL	DESCRIPTION	QTY
	FLOOR MNT'D ELONGATED BOWL FOR THE HANDICAPPED W/ FLUSH VALVE (NO BRAND SPECIFIED)	2
	FLOOR MNT'D BOWL WITH FLUSH VALVE (NO BRAND SPECIFIED)	3
	WALL MOUNT STANDARD URINAL (NO BRAND SPECIFIED).	1
	WALL HUNG LAVATORY W/ 29" SPACE UNDERNEATH RIM FOR HANDICAPPED W/ STANDARD FAUCETS (NO BRAND SPECIFIED)	6
WH	40 GAL ELECTRIC WATER HEATER. 240v	1
	ONE SET GRAB BARS. INCLUDES: (1) 36" LONG & (1) 42" LONG. MOUNTED @ 34" A.F.F.	2 SETS
	TOILET PAPER HOLDER (NO BRAND SPECIFIED)	5
	18"x30" MIRROR @ 40" A.F.F. VANDAL RESISTANT (NO BRAND SPECIFIED).	6
	MOP SINK W/ LEGS MODEL FL-1	1
	COUNTERTOP-MOUNTED DOUBLE BOWL SINK WITH HANDICAP ACCESSIBLE FAUCET (NO BRAND SPECIFIED).	1
	HI-LOW HANDICAP WATER FOUNTAIN (NO BRAND SPECIFIED)	1
(TOP) (VIEW)	SURFACE MOUNTED PAPER TOWEL DISPENSER BOTTOM EDGE @ 40" A.F.F (MAX) (BRADLEY #251-15).	4
(TOP) (VIEW)	SURFACE MOUNTED SOAP DISPENSER BOTTOM EDGE @ 40" A.F.F (MAX) (BRADLEY #6542).	4
FLOOR DRAIN	FLOOR DRAIN (SIZE NOTED ON PLAN) WITH TRAP PRIMER FED FROM COLD WATER SUPPLY LINE OF A PLUMBING FIXTURE IN THE SAME ROOM AS FLOOR DRAIN	2
HOSE BIBB	HOSE BIBB EQUIPPED WITH BACKFLOW PREVENTER (BACKFLOW PREVENTER MAY BE SITE-INSTALLED BY OTHERS)	2
SPRK HEAD	DOMESTIC SPRINKLER HEAD 3/4" SUPPLY LINE	2

NOTE: 1. (PLASTIC) MODESTY PARTITIONS COLOR: 949-58 WHITE

✱ PROVIDE FRESH AIR VENTILATION EQUAL TO 15 CFMS PER OCCUPANT



SUPPLY RISER

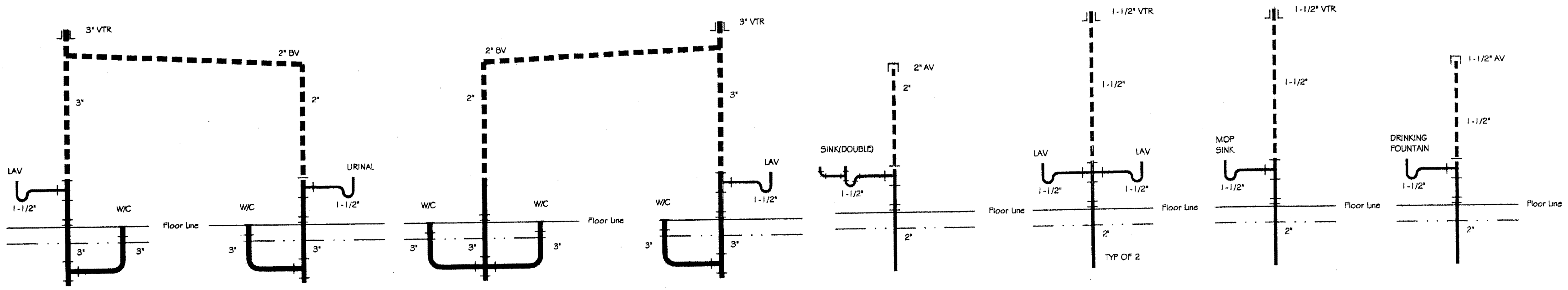
SCALE: NONE

○ DENOTES PENETRATION THRU FLOOR

HOT – – – –

COLD ————

ALL SUPPLY LINES SHALL BE 3/4" AND ALL STUB-UPS SHALL BE 1/2" UNLESS OTHERWISE SPECIFIED. SUPPLY LINE SIZING IS BASED ON AN ASSUMED AVAILABLE PRESSURE OF 46 TO 60 PSI AT MAIN INLET AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.



D.W.V. RISER

SCALE: NONE

———— DENOTES ALL ITEMS BELOW LINE ARE SITE SUPPLIED AND INSTALLED BY OTHER AT SITE

ENGINEER BY

ROBERT E. GREGG ARCHITECTS
2963 GULF TO BAY, SUITE 220
CLEARWATER, FL 34619

THIRD PARTY LISTING AGENCY APPROVAL

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APPROVED BY

IIWC

CONST. TYPE	VI
OCCUPANCY	A-2
ALLOWABLE # OF FLOORS	1
WIND VELOCITY	110 mph
FIRE RATING OF EXTERIOR WALLS	0
PLAN NO.	2046-255 F
ALLOWABLE FLOOR LOAD	100
APPROVAL DATE	8-1-02
MANUFACTURER	UNITED MODULAR
HIGH VELOCITY HURRICANE AREAS	NO

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MANUFACTURE I.D. NUMBER: UM-333-6

FLORIDA

JUL 31 2002

REVISIONS

NO	DATE	BY	DESCRIPTION

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LAKE COUNTY
COMM. CENTERS

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

DATE: 06/20/02
DRAWN BY: BR/JB
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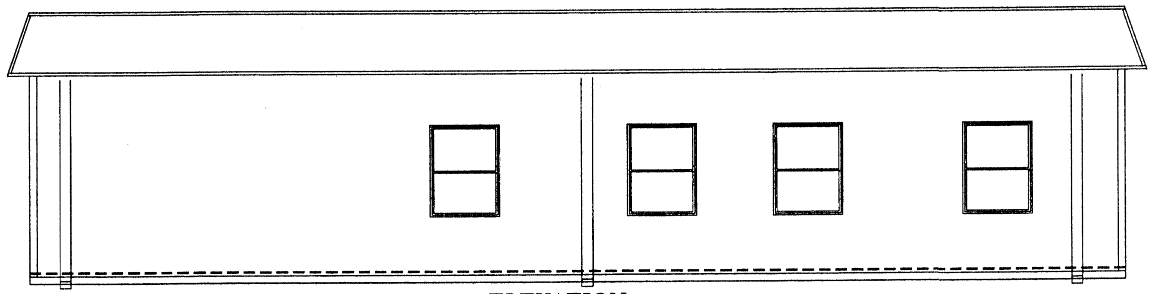
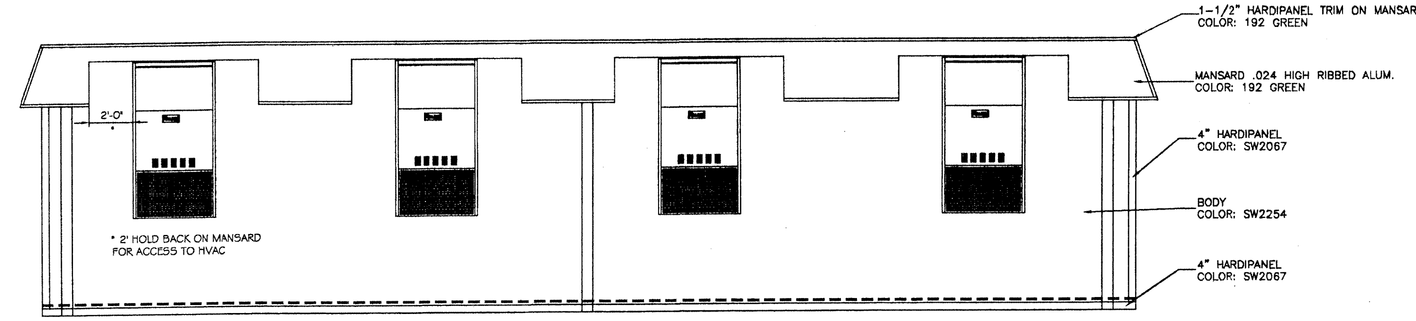


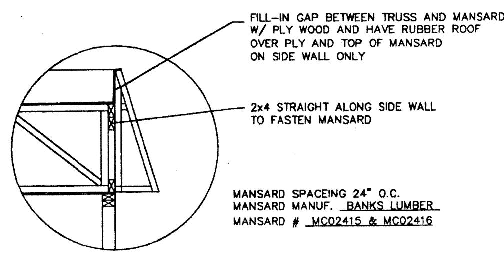
ELEVATION

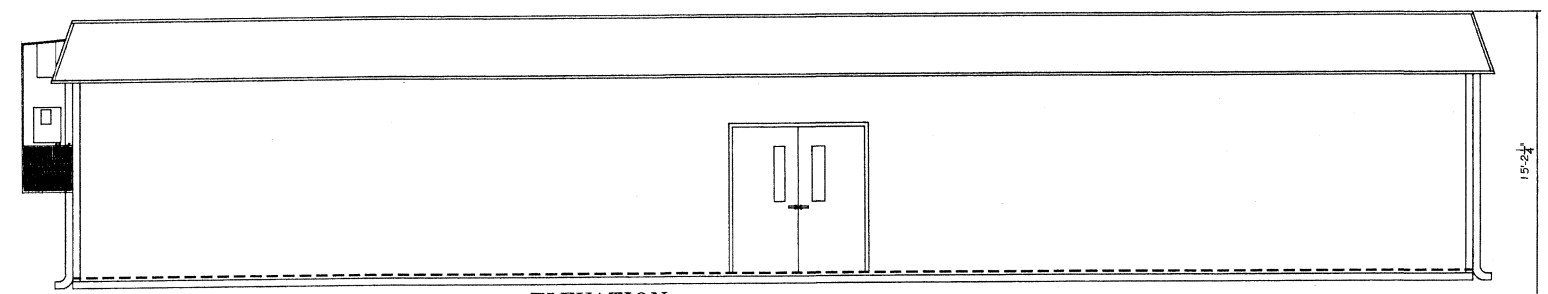
SCALE: 1/4"=1'-0"



HITCH END ELEVATION

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





ELEVATION

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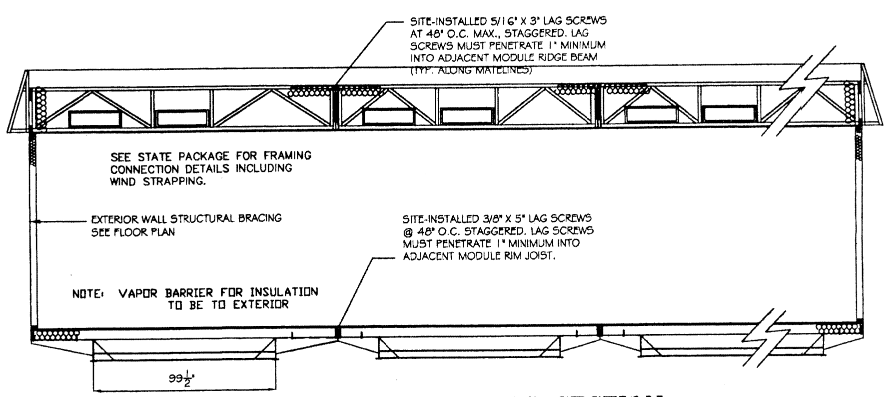

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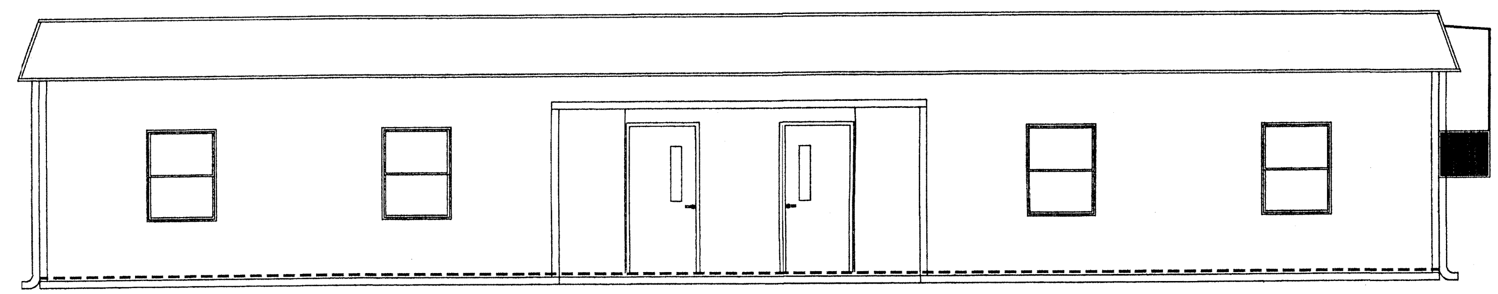

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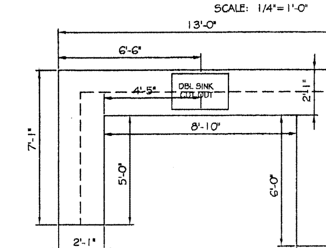
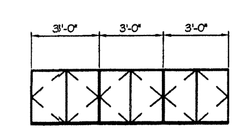
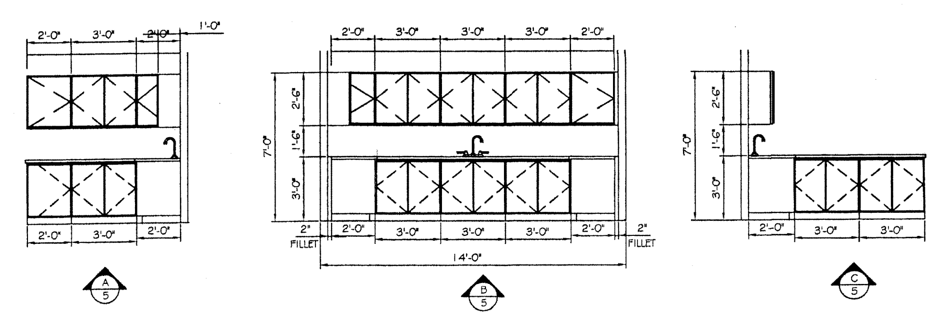


COUNTERTOP DETAILS
N.T.S.



6' UPPER CAB. SHIPPED LOOSE SITE INSTALLED BY OTHERS
N.T.S.



CABINET DETAILS
N.T.S.

RIDGE BEAM

RIDGEBEAM AT MATELINES: (SEE RIDGEBEAM SPAN CHART)

LVL BEAM

1. LVL Fb=2850 PSI
2. RIDGE BEAM MUST BE CONTINUOUS OVER CLEARSPAN.
3. BEAMS SUPPORTED BY ENDWALL COLUMNS MUST EXTEND CONTINUOUS OVER COLUMNS TO EXTERIOR FACE OF ENDWALL.
4. MULTIPLE LAYERS (IF USED) ARE TO BE GLUED & NAILED TOGETHER TO ACT AS ONE UNIT.
5. INSTALL (2x4) x 20" SPF #3 RIDGE BEAM BEARING STIFFENER OVER SUPPORT COLUMNS WHEN SPECIFIED ON FLOOR PLAN; FASTEN THE FACE OF STIFFENER TO THE RIDGE BEAM WITHN 100% GLUE COVERAGE AND (6) 16 GA. x 2 1/2" STAPLES.

PLYWOOD: (2) LAYERS 3/4"x _(PER CHART OR CALL OUT)__" PLYWOOD RATED SHEATHING, STRUCT. I, EXP.-I 48/24, 5 PLY/5 LAYER EACH MODULE.

1. PLYWOOD FACE GRAIN MUST BE PARALLEL TO THE RIDGE BEAM SPAN.
2. ALL RIDGE BEAM PLYWOOD LAMINATIONS MUST BE THE SAME DEPTH, THICKNESS AND GRADE OF PLYWOOD – NO LUMBER OR PLYWOOD FLANGES ARE PERMITTED.
3. PLYWOOD MUST BE MANUFACTURED IN ACCORDANCE WITH PS 1-83.
4. PLYWOOD LAMINATIONS IN EACH HALF OF THE UNIT MUST BE GLUE/NAILED TO ADJACENT LAYERS WITH AN ADHESIVE CONFORMING TO ASTM D3024, ASTM D2559, OR CA 25-4.
5. PLYWOOD MUST NOT BE TREATED WITH A FIRE-RETARDANT PROCESS.
6. PLYWOOD EQUILIBRIUM MOISTURE CONTENT MUST BE LESS THAN 16% (DRY APPLICATION)
7. BEARING STIFFENERS USED TO REDUCE REQUIRED PLYWOOD BEARING LENGTHS MUST BE 2x3 OR 2x4 LUMBER (X THE DEPTH OF THE RIDGE BEAM) WITH THE WIDE FACE OF THE LUMBER GLUE/NAILED TO THE RIDGE BEAM. ALL SUCH BEARING STIFFENERS MUST BE LOCATED DIRECTLY OVER SUPPORT COLUMNS.
8. ALL PLYWOOD BUTT JOINTS IN ADJACENT LAYERS MUST BE STAGGERED 24" MINIMUM – BUTT JOINTS CAN OCCUR IN ANY OF THE RIDGE BEAM PLYWOOD LAMINATIONS.
9. NO PLYWOOD SPLICE PLATES ARE REQUIRED.

GENERAL CROSS SECTION NOTES

1. UNLESS OTHERWISE SPECIFIED, ALL STEEL MUST COMPLY WITH ASTM A36, YIELD STRENGTH = 36 KSI, AND COMPLY WITH AISC.
2. ALL LAG SCREWS MUST COMPLY WITH ANSI/ASME STANDARD B18.21.

DESIGN CRITERIA

SEE COVER SHEET FOR DESIGN INFORMATION

INTERIOR FINISH MATERIAL

1. CEILING –SEE SPECS.
2. WALLS – SEE SPECS.
3. FLOOR –SEE SPECS.

FLORIDA

JUL 3 1 2002

ENGINEER BY

ROBERT E. GREGG ARCHITECTS
2963 GULF TO BAY, SUITE 220
CLEARWATER, FL 34616

THIRD PARTY LISTING AGENCY APPROVAL

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APPROVED BY IIWC

CONST. TYPE	VI
OCCUPANCY	A-2
ALLOWABLE # OF FLOORS	1
WIND VELOCITY	110 mph
FIRE RATING OF EXTERIOR WALLS	0
PLAN NO.	2046-255F
ALLOWABLE FLOOR LOAD	100
APPROVAL DATE	8-1-02
MANUFACTURER	UNITED MODULAR
HIGH VELOCITY HURRICANE AREAS	NO

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(352)742-7488

UNITED MODULAR
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(727) 528-0550

LAKE COUNTY
COMM. CENTERS

CROSS SECTION AND DETAIL SHEET

DATE: 06/20/02
DRAWN BY: BR/JB
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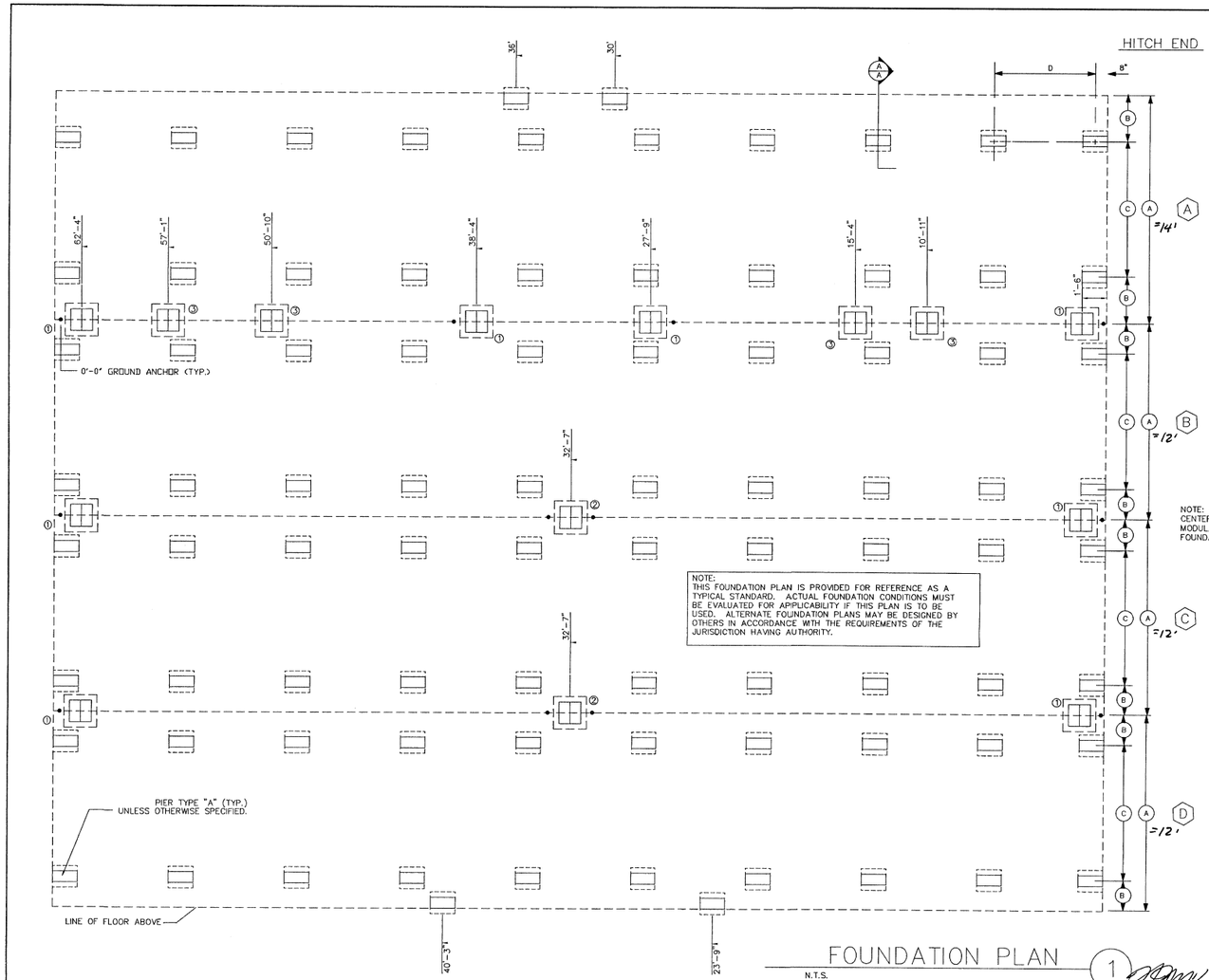


FOUNDATION PLAN 1

N.T.S.

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

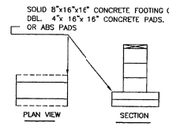
Affordable Structures inc.

LAKE COUNTY C.C.

SERIAL#
UN-0957-0959-06-1-4

P.C. MODULAR DRAFTING
9677 S.E. HWY.464-C
OCKLAWAHA, FL. 32179

DRAWN BY:	DWJ
CHECKED BY:	WJM
DATE:	03/19/02
SCALE:	1/4"=1'0"
SERIAL#	UN-0957-0959-06-1-4
SHEET:	1
OF	2 SHEETS



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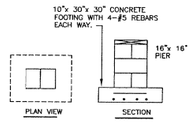
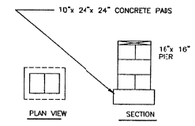
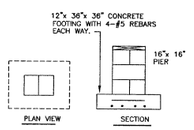


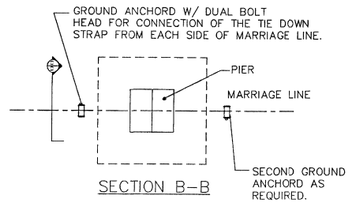
PIER TYPE C



PIER TYPE B

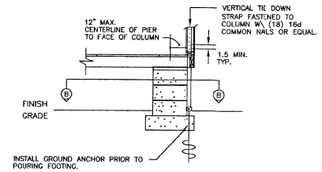


PIER TYPE D



SECTION B-B

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



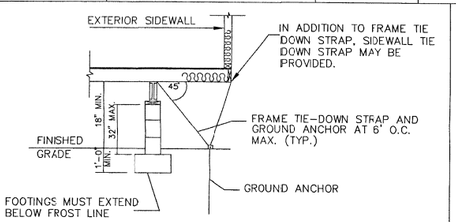
VERTICAL TIE DOWN STRAP DETAIL

FOUNDATION NOTES:

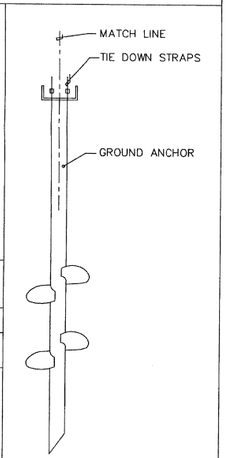
1. FOUNDATION PLAN IS SHOWN AS A TYPICAL STANDARD FOR REFERENCE ONLY. FOUNDATION PLAN ABOVE INDICATES MINIMUM PIER REQUIREMENTS TO RESIST GRAVITY LOADS. ACTUAL FOUNDATION CONSTRUCTION AND INSTALLATION IS SUBJECT TO LOCAL CODES AND INSPECTION.
2. TIE-DOWN STRAPS TO BE 1-1/4"X.035" TYPE 1, FINISH B, GRADE 1 ZINC COATED STEEL STRAPPING CERTIFIED BY A REGISTERED ENGINEER OR ARCHITECT AS CONFORMING W/ ASTM D3953-91. THE DOWN STRAPS AND CONNECTING HARDWARE SHALL HAVE 3150# MINIMUM WORKING CAPACITY.
3. EACH GROUND ANCHOR SHALL HAVE A WORKING CAPACITY NO LESS THAN THE SUM OF THE REQUIRED WORKING CAPACITIES OF ALL TIE DOWN STRAPS CONNECTED TO THE GROUND ANCHOR, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. DESIGN OF GROUND ANCHORS, INCLUDING SHAFT LENGTH, NUMBER AND DIAMETER OF HELIXES, ETC., TO BE AS SPECIFIED BY THE GROUND ANCHOR MANUFACTURER FOR THE ACTUAL SOIL TYPE ENCOUNTERED. IF THE HOLDING OR PULLOUT CAPACITIES OF GROUND ANCHORS ARE BELOW THE ASSUMED DESIGN VALUES, THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR AN ALTERNATE ANCHORAGE DESIGN.
4. THE FIRST TIE-DOWN STRAP FROM ENDWALLS SHALL NOT EXCEED 1/2 THE MAXIMUM SPACING INDICATED.
5. ALL PIERS SHALL BE CONSTRUCTED OF 8"X8"X16" CONCRETE MASONRY UNITS CONFORMING TO ASTM C90. MASONRY PIERS MAY BE INSTALLED IN A DRY STACK FOR TEMPORARY BUILDINGS. FOR NON-TEMPORARY BUILDINGS (AS DETERMINED BY LOCAL JURISDICTION) ALL MASONRY PIERS SHALL BE LAID IN TYP M OR S MORTAR IN COMPLIANCE W/ASTM C887, OR SHALL HAVE SURFACE BONDING MOTOR IN COMPLIANCE W/ASTM C 946.
6. MINIMUM CONCRETE FOOTING COMPRESSIVE STRENGTH SHALL BE 2500 PSI AT 28 DAYS.
7. ALL REINFORCEMENT BARS SHALL COMPLY WITH ASTM A615, GRADE 60. REINFORCEMENT BARS SHALL BE EQUALLY SPACED AND PLACED WITH 3" CLEARANCE FROM BOTTOM AND SIDES OF THE FOOTING.
8. I-BEAM SUPPORT PIERS MAY BE INSTALLED LATERALLY (90 DEG. FROM THAT SHOWN). CENTERLINE OF EACH PIER MUST BE LOCATED DIRECTLY BELOW THE I-BEAM CENTERLINE.
9. ALL PIERS SHALL BE CAPPED WTH 2X8 SYP PRESSURE TREATED SILL PLATES, FULL LENGTH OF PIER. PIERS SHALL PROVIDE A TRUE & EVEN BEARING SURFACE
10. SOIL BEARING CAPACITY SHOWN ON THIS PLAN ASSUMED. IF THE ACTUAL SOIL BEARING CAPACITY IS LESS THAN 3000 PSF THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR REQUIRED ALTERNATE FOUNDATION DESIGN. FOOTINGS SHALL BE PLACED ON NON-EXPANSIVE SOILS ONLY.
11. INSTALL BLOCK PIER ON EACH SIDE OF ALL EXTERIOR DOOR OPENINGS.(MANUFACTURERS RECOMMENDATION ONLY- OPTIONAL WHEN NOT SHOWN) SLIGHT ADJUSTMENT MAY BE REQUIRED TO INSURE OPENABILITY AFTER INSTALLATION OF BUILDING IS COMPLETE.
12. THE AREA UNDER FOOTINGS AND FOUNDATIONS SHALL HAVE ALL VEGETATION, STUMPS, ROOTS, AND FOREIGN MATERIALS REMOVED PRIOR TO THEIR CONSTRUCTION.

MARRIAGE WALL PIER REQUIREMENTS

PIER NUMBER	MIN. SOIL BEAR'G. CAPACITY	PIER TYPE	# OF MATING LINE TIE DOWN STRAP
①	3000 PSF	C	1
②	3000 PSF	D	2
⑤	3000 PSF	B	0



SECTION A-A



SECTION C-C

FOUNDATION DIMENSIONS

A MODULE WIDTH	B PIER TO BLD. EDGE	C CENTER SPACING	D MAX. PIER SPACING	MIN. BEAR'G CAPACITY
14'-0"	34 1/4"	99 1/2"	5'-0"	3000
12'-0"	22 1/4"	99 1/2"	5'-10"	3000

NOTE: CONTRACTOR SHALL CHECK CENTER I-BEAM SPACING ON MODULAR UNITS BEFORE SETTING FOUNDATION.

BUILDING DESIGN CRITERIA:(FLA.)

OCCUPANCY GROUP:	A-2 - ASSEMBLY
CONSTRUCTION TYPE:	VI
BUILDING SIZE:	50'-0" X 54'-0"
SQUARE FOOTAGE:	3200
EGRESS LOAD:	100
PLUMBING LOAD:	100
DESIGN LOADS:	
ROOF:	20 P.S.F.
FLOOR:	100 PSF
WIND SPEED:	110 M.P.H. EXPOSURE: B
SEISMIC:	NONE

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Florida P.E. License#50252

7/03/02

Affordable Structures inc.

LAKE COUNTY C.C.

SERIAL# UN-0957-0959-06-1-4

P.C. MODULAR DRAFTING
9677 S.E. HWY.464-C
OCKLAWAHA, FL. 32179

DRAWN BY: DWJ
CHECKED BY:WJM
DATE:03/19/02
SCALE: 1/4"=1'0"
SERIAL#
UN-0957-0959-06-1-4
SHEET: 2
OF 2 SHEETS