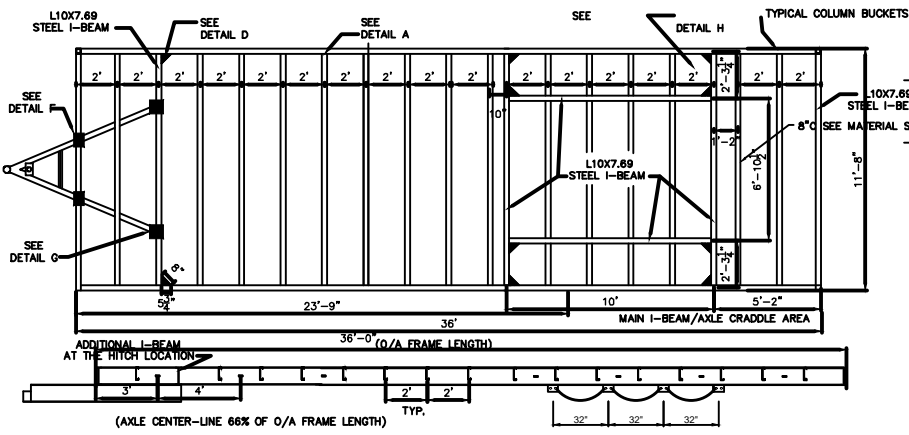
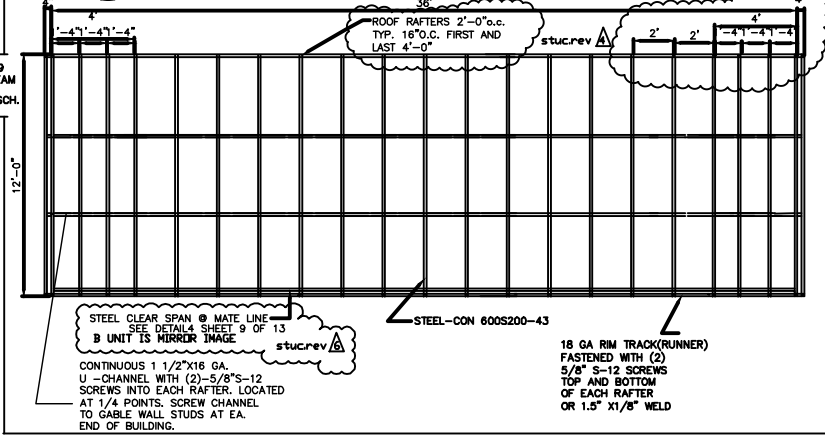
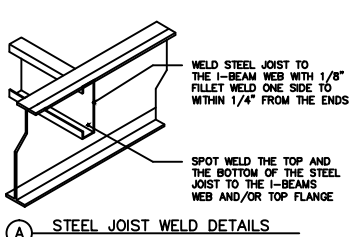


ROOF RAFTER FRAMING PLAN

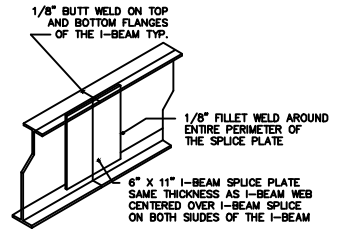


PERIMETER FRAME DETAILS

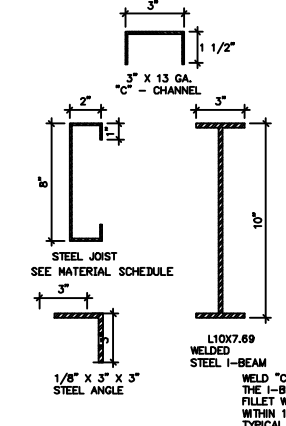
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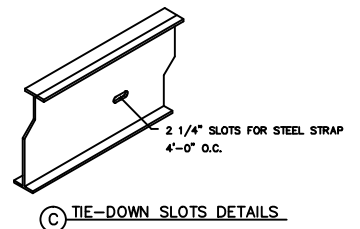
A STEEL JOIST WELD DETAILS



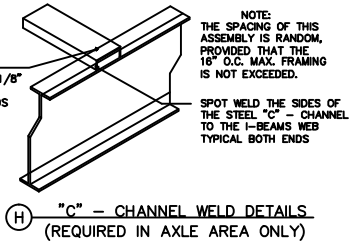
B I-BEAM SPLICE DETAIL



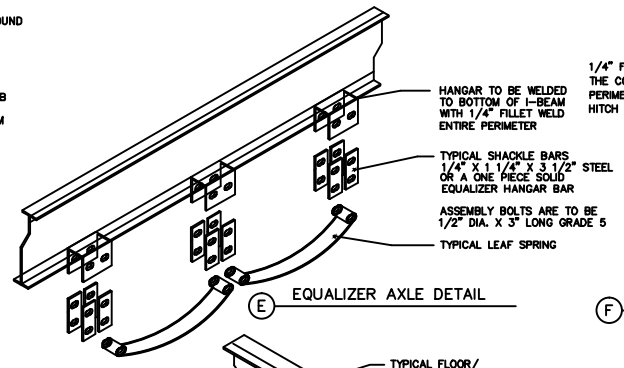
4 TYPICAL CHASSIS COMPONENTS



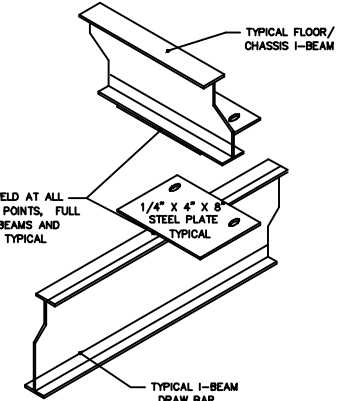
C TIE-DOWN SLOTS DETAILS



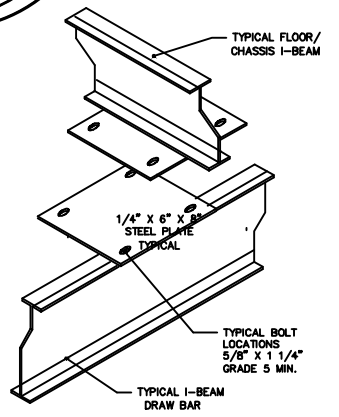
H "C" - CHANNEL WELD DETAILS (REQUIRED IN AXLE AREA ONLY)



E EQUALIZER AXLE DETAIL



F FRONT HITCH PLATE DETAIL

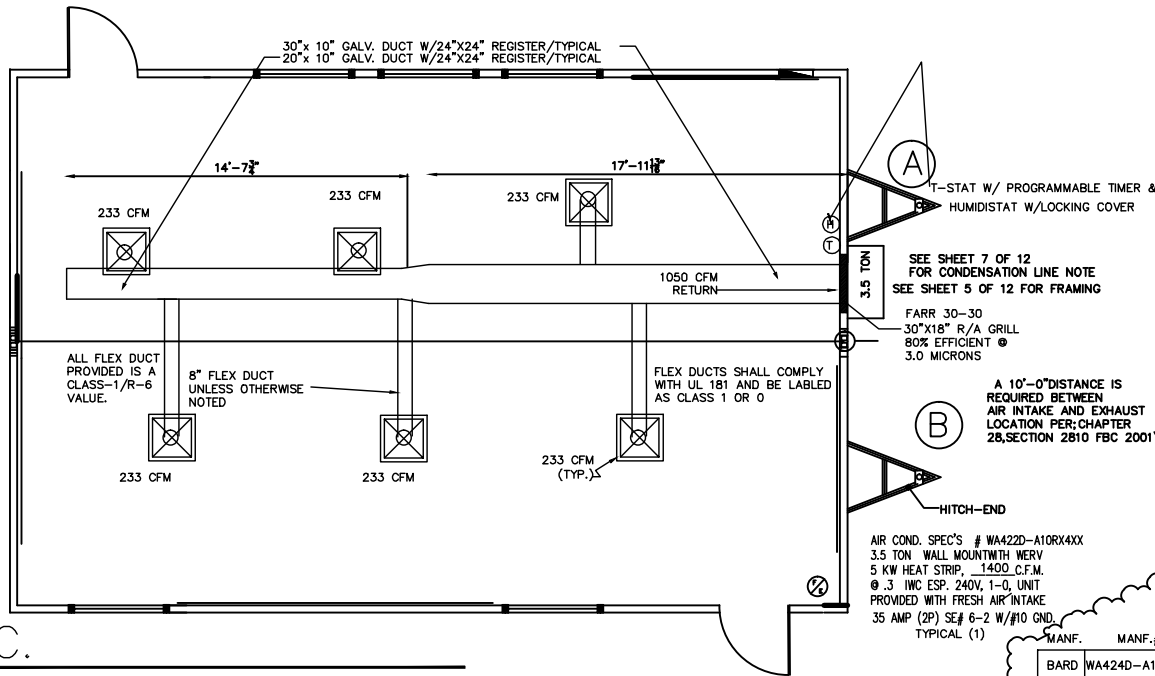


TYPICAL FLOOR/CHASSIS I-BEAM

NOTE:
HITCHES, LEAF SPRINGS, AXLES, HUBS, RIMS AND TIRES ARE ALL PURCHASED COMPONENTS FOR MORE COMPLETE SPECIFICATIONS REFER TO THE MATERIALS SPECIFICATIONS SECTION.

DRAWN BY:	
SCALE: 1/8"=1'-0"	
DATE: MARZZ/2010	
CHECKED BY:	

CLASSROOM TYPE IIB 24X36
ROOF & FLOOR FRAME DETAILS



DESIGN CONDITIONS - ORLANDO, FL.			
		OUTDOOR	INDOOR
SUMMER	DB/WB	93°/77°	76°
WINTER	DB	38°	68°
RELATIVE HUMIDITY			50%

D.A. TABLE - (ASHREA 62-1999)

- 30 STUDENTS @ 15 CFM = 450 CFM
- PROVIDE CONSTANT VENTILATION DURING OCCUPIED TIMES

HEATING AND COOLING REQUIRED WITH OUTSIDE AIR PER MFG. ERV SELECTION GUIDE

TOTAL SENSIBLE HEAT GAIN	30,720
TOTAL LATENT HEAT GAIN	9,625
TOTAL HEAT GAIN	40,345 BTUH
TOTAL HEAT LOOSE	11,600 BTUH

MECH.REV. 2

UNIT SCHEDULE		CFM	O.A. CFM	SENSIBLE	LATENT	HEAT/KW
MANF.	MANF.#	1400 @ .3ESP	450 CFM	32,300	9,700	10KW
BARD	WA424D-A10RX4XXX					

H.V.A.C.

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

- NOTES: #1 PROVIDE AUTO CHANGEOVER 7 DAY PROGRAMMABLE T-STAT W/ VENTILATION CONTACTS. VENTILATION NOT TO BE RUN DURING UNOCCUPIED TIMES. T-STAT MUST HAVE PRE CONDITIONING FEATURE. BASIS OF DESIGN ROBERT SHAW M#300-229. PROVIDE HUMIDISTAT TO ENERGIZE HOT-GAS & RE-HEAT COIL IN A/C FOR DE HUMIDIFICATION. LOCKING COVER FOR CONTROLS REQUIRED.
- #2 UNIT PROVIDED WITH ENERGY RECOVERY VENTILATOR TO PROVIDE 450 CFM OF FRESH AIR DURING UNOCCUPIED TIMES
- #3 HOT GAS REHEAT PROVIDED IN UNIT FOR HUMIDITY CONTROL DURING OFF-PEAK & HIGH HUMIDITY TIMES OF VENTILATION.

- MECHANICAL NOTES:**
- ALL MECHANICAL CONSTRUCTION, MATERIALS AND INSTALLATION MUST BE IN ACCORDANCE WITH THE 2001 & 2004 FLORIDA MECHANICAL CODE (FMC) AND THE STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES-SECTION 423.
 - H.V.A.C. EQUIPMENT SHALL BE U.L. LISTED. CONDENSATION PIPE FROM HVAC UNIT TO GRADE SHALL BE SITE INSTALLED. TIME SWITCH, PROGRAMMABLE TIME CLOCK, OR EQUAL SHALL BE INSTALLED ON HVAC FOR ENERGY CONSERVATION. HVAC UNIT SHALL HAVE A MINIMUM SEER RATING OF 9.7 (SGL PACKAGE).
 - RESERVED
 - HVAC UNITS SHALL HAVE FRESH AIR INTAKE CAPABLE OF PROVIDING 15 CFM OF OUTSIDE AIR PER OCCUPANT. INSTALLED IN ACCORDANCE WITH NFPA 90B.
 - RESTROOM VENT FANS SHALL BE CONNECTED TO THE ROOM LIGHT FIXTURE SWITCH AND SHALL CONTINUE TO OPERATE BY A BUILT IN AUTOMATIC TIMER FOR MINIMUM OF FIVE MINUTES AFTER LIGHT HAS BEEN TURNED OFF.
 - HVAC UNIT BLOWERS SHALL OPERATE CONTINUOUSLY DURING HOURS OF OCCUPANCY.
 - INSULATED DUCTS FOR CONDITIONED AIR SHALL HAVE A VAPOR BARRIER ON THE WARM SIDE OF THE DUCT.
 - HVAC EQUIPMENT HAS BEEN DESIGNED FOR MAXIMUM OCCUPANT LOAD OF 30 PERSONS.
 - OUTSIDE AND INSIDE WET AND DRY BULB DESIGN MUST COMPLY WITH WEATHER CONDITIONS

DRAWN BY:
SCALE: 1/8" = 1'-0"
DATE: MARZO/2010
CHECKED BY:

CLASSROOM TYPE IIB 24 X36
H.V.A.C.

LIGHTING DESCRIPTION

EMERGENCY LIGHT:
DC LAMP: 2-4 (3.6W T-5)
27V/120V

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

232Z
2 LAMP, 2'X4' FLANGED STATIC TROFFER
FP-232A-120V-LE3-U

FAN/LIGHT COMBO:
TYPE 1C, 20 AMP CIRCUIT
40WATT BULB.

SPECIAL NOTE

J-BOX CONDUIT SHALL BE STUBBED UP AND DOWN THRU CEILING
ELECTRICAL PANEL TO BE STUBBED THRU FLOOR

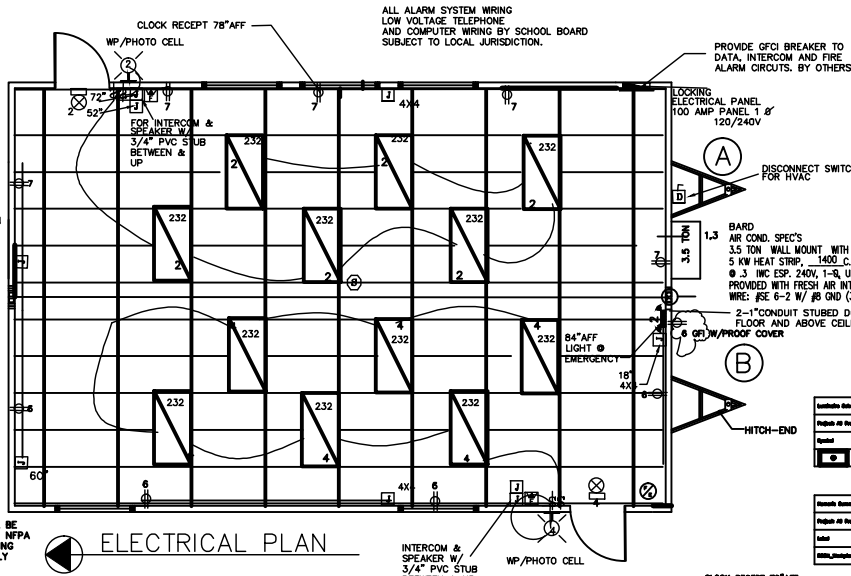
J-BOXES FOR ALARM SYSTEM SHALL STUBBED UP AND DOWN THRU FLOOR
J-BOXES MUST CONTAIN WIRING AND COMPUTER TECHNOLOGY SUITABLE FOR THE PROGRAM TO BE HOUSED

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

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

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

ALL FACILITIES IN HIGH LIGHTING RISK AREAS SHALL BE EVALUATED USING THE RISK ASSESSMENT GUIDE IN NFPA 780 AND OTHER STANDARDS WHICH ADDRESS LIGHTING PROTECTION AND SHALL BE PROTECTED ACCORDINGLY F.B.C.423.17.7



Loadable Location Summary

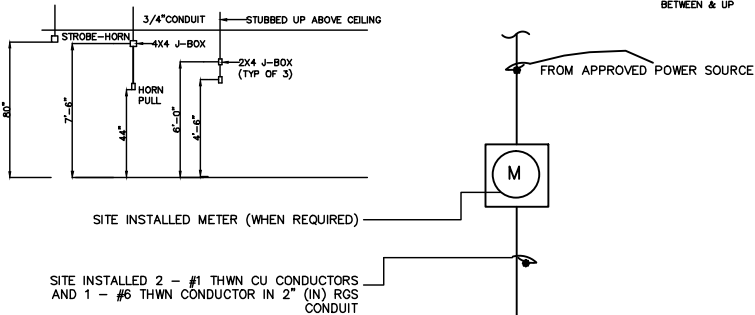
Project #	Project	X	Y	Z	Depth	Vol
1	A	20.7	20.0	0	00	0
2	A	21.6	20.0	0	00	0
3	A	20.7	20.0	0	00	0
4	A	20.7	20.0	0	00	0
5	A	20.7	20.0	0	00	0
6	A	20.7	20.0	0	00	0
7	A	20.7	20.0	0	00	0
8	A	20.7	20.0	0	00	0
9	A	21.6	20.0	0	00	0
10	A	20.7	20.0	0	00	0
11	A	20.7	20.0	0	00	0
12	A	20.7	20.0	0	00	0

Equipment Schedule

Equip #	Equip	Location	Notes	SP	Example
1	A	100	100	100	100

Equipment Summary

Equip #	Equip	Location	Notes	SP	Example
1	A	100	100	100	100



COMPUTER LIGHTING ANALYSIS: LPCC= CLP X PAF

CLASSROOM AREA (PAF) X UPD_2.0 = 1488 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	60 (2P)	6-2 #6 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

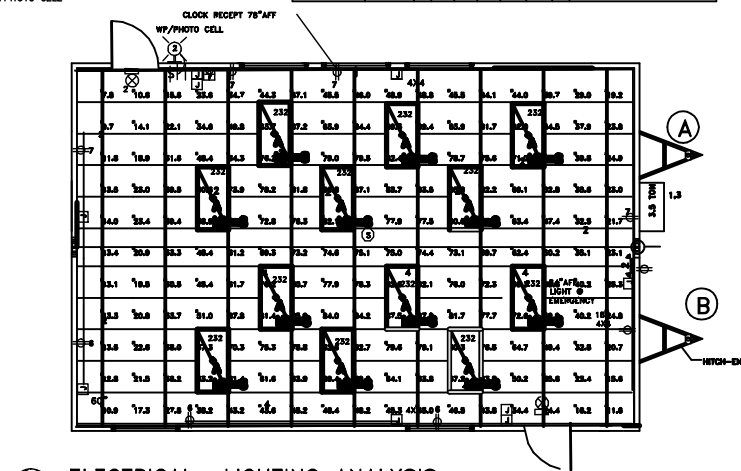
DESCRIPTION	K.V.A.
GENERAL LIGHTING .0035 KW/SF x 840 SF x 1.25 =	3.67
.10 RECEPTS AT 180VA/1000 =	1.8
HVAC	10.9
FAN @ 3 x 1.25 =	
.0 WATERHEATER @ 3.5 KW =	
TOTAL	16.4 KVA
TOTAL/240 x 1000 =	68.3
INSTALL 100 AMP PANEL	
120/240 V 1-Ø	

** NOTE: (G) W/HEAT STRIP TO BE INSTALLED HOWEVER ONLY 1 KW IS TO BE USED. FULL LOAD AVAILABLE FOR FUTURE USE IN LOCATIONS AS ALLOWED BY THE FLORIDA ENERGY CODE.

100A 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

DRAWN BY:
SCALE: 1/8"=1'-0"
DATE: MARZO/2010
CHECKED BY:

CLASSROOM TYPE IIB 24 X 36
ELECTRICAL PLAN

LIGHTING DESCRIPTION

EMERGENCY LIGHT:
DC LAMP-2-4 (3.8W 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

FAN/LIGHT COMBO:
TYPE 1G, 20 AMP CIRCUIT
40WATT BULB.

SPECIAL NOTE

J-BOX CONDUIT SHALL BE STUBBED UP THRU CEILING

ELECTRICAL PANEL TO BE STUBBED THRU FLOOR

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

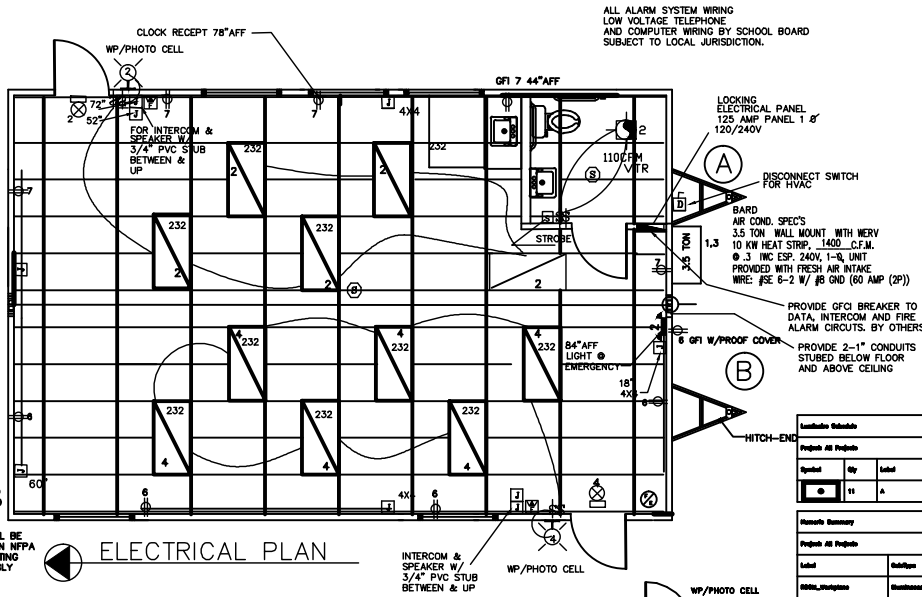
J-BOXES MUST CONTAIN WIRING AND COMPUTER TECHNOLOGY SUITABLE FOR THE PROGRAM TO BE HOUSED

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

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

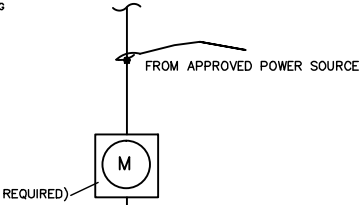
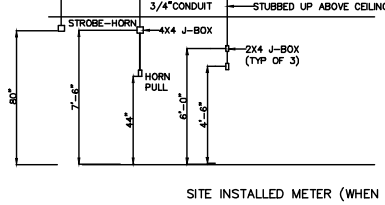
LIGHTING AND POWER PANELS SHALL BE PROVIDED A MINIMUM OF 20 PERCENT SPARE BREAKERS AND A MINIMUM OF 10 PERCENT SPARE CAPACITY IN ALL MAIN PANELS

ALL FACILITIES IN HIGH LIGHTING RISK AREAS SHALL BE EVALUATED USING THE RISK ASSESSMENT GUIDE IN NFPA 780 AND OTHER STANDARDS WHICH ADDRESS LIGHTING PROTECTION AND SHALL BE PROTECTED ACCORDINGLY F.B.C.423.17.7



Location Location Summary

Project #	Project	1	2	3	4	5	6	7	8	9	10
12	A	0.0	0.0	0	0	0	0	0	0	0	0
13	A	0.0	0.0	0	0	0	0	0	0	0	0
14	A	0.0	0.0	0	0	0	0	0	0	0	0
15	A	0.0	0.0	0	0	0	0	0	0	0	0
16	A	0.0	0.0	0	0	0	0	0	0	0	0
17	A	0.0	0.0	0	0	0	0	0	0	0	0
18	A	0.0	0.0	0	0	0	0	0	0	0	0
19	A	0.0	0.0	0	0	0	0	0	0	0	0
20	A	0.0	0.0	0	0	0	0	0	0	0	0
21	A	0.0	0.0	0	0	0	0	0	0	0	0
22	A	0.0	0.0	0	0	0	0	0	0	0	0
23	A	0.0	0.0	0	0	0	0	0	0	0	0
24	A	0.0	0.0	0	0	0	0	0	0	0	0
25	A	0.0	0.0	0	0	0	0	0	0	0	0
26	A	0.0	0.0	0	0	0	0	0	0	0	0
27	A	0.0	0.0	0	0	0	0	0	0	0	0
28	A	0.0	0.0	0	0	0	0	0	0	0	0
29	A	0.0	0.0	0	0	0	0	0	0	0	0
30	A	0.0	0.0	0	0	0	0	0	0	0	0



ALL WIRING ABOVE T-GRID TO BE IN M.C. CABLE

COMPUTER LIGHTING ANALYSIS: LPCC = CLP X PAF

CLASSROOM AREA (PAF) X UPD_2.0 = 1488 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	60 (2P)	6-2 #6 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
SPARE	OUTLETS	20A(1P)	12-2 MC

CIRCUIT SCHEDULE

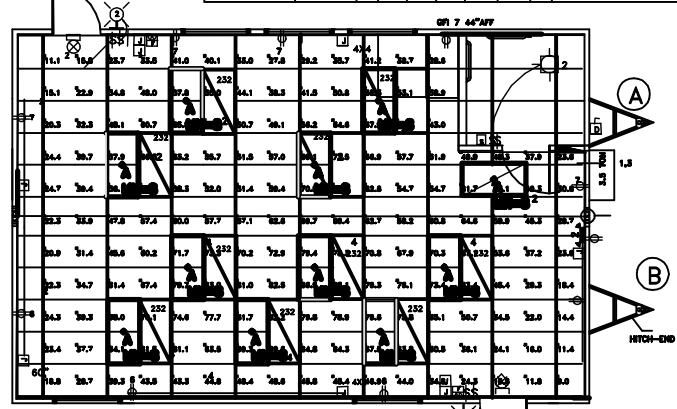
DESCRIPTION	K.V.A.
GENERAL LIGHTING 840 SF x 1.25 =	3.67
0.035 KW/SF x	
10 RECEPTS AT 180VA/1000 =	1.8
HVAC	10.9
1 FAN @ .3 x 1.25 =	3.75
0 WATERHEATER @ 3.5 KW =	
TOTAL 16.74 KVA	
TOTAL/240 x 1000 =	69.75
INSTALL 125 AMP PANEL	
120/240 V 1-Ø	

*** NOTE: 10 MINUTE STRIP TO BE INSTALLED; HOWEVER ONLY 5 MIN IS TO BE USED. FULL HOUR AVAILABLE FOR FUTURE USE IN LOCATIONS AS ALLOWED BY THE FLORIDA ENERGY CODE.

100A 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

DRAWN BY:
SCALE: 1/8"=1'-0"
DATE: MARZO/2010
CHECKED BY:

CLASSROOM TYPE IV 24X36
ELECTRICAL PLAN

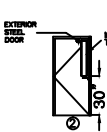

MATERIAL SCHEDULE

FLOOR	NAME	SIZE	TYPE OR MFG. NAME	GRADE	COMMENTS	MISC. SPEC. ITEMS
	HITCH		DETACHABLE			SEE BUILDING SECTIONS
	I-BEAM	L10X7.69	PERIMETER		W/ 13GA 8" C-CHANNEL @ 24" O.C.	
	BRAKE AXLES	UNDERSLUNG	6000#		(2) W/ 10 PLY TIRES.	
	IDLER AXLES	UNDERSLUNG	6000#		(1) W/ 10 PLY TIRES.	
	FLOOR JOIST	8"	STEEL CON 800S182-68		@24" O.C. (OR EQUAL)	SEE BUILDING SECTIONS
	DECKING	3/4"	VIROC		(1) LAYER VIROC	INSTALL PER MFG. SEPC.
	BOTT. BOARD		SIMPLEX			
	INSULATION	R-13	KRAFTFACED			
	FINISH	---	ROLL VINYL 6" UP RESTROOM WALL (RESTROOM OPTIONAL)			
	FINISH	260Z	CARPET (SPEE COMPLIANT) OR 1/8" TILE			
	FINISH	3/8"	VCG/OVER 1/2" -RAW		FRP OVER 1/2" GYP @ RESTROOM	
	STUD	3-5/8"	362S162-43 STEEL-CON			SEE BUILDING SECTIONS
	PLATES	3-5/8"	362T125-43 STEEL-CON.		- SINGLE	
	STUD	6"	600S162-43 STEEL-CON		PLUMBING WALL	
	PLATES	6"	600T125-43 STEEL-CON.		-	
	INSULATION	R-11	KRAFT			
	TRIM		STANDARD		VCG-TRIM	
	FINISH	.024	HIGH-RIB-ALUM		OVER AN APPROVED MOISTURE BARRIER (OPTIONAL SIDING HARDI-PANEL)	
	STUD	3-5/8"	362S162-43 STEEL-CON		9'-6"H @ 16" O.C./12" O.C. FIRST 4'-0" @ CORNERS	SEE BUILDING SECTION
	PLATES	3-5/8"	362T125-43 STEEL-CON.		18 GA.	SINGLE-TOP-SINGLE-BOTTOM
	INSULATION	R-11	KRAFT			SEE BUILDING SECTION
	TRIM		ALUMIN			
	SHEATHING	1/2"	M.R.GYP.		END WALLS (OR EQUAL)	SEE BUILDING SECTION
	SHEATHING	1/2"	M.R.GYP.		SIDEWALLS (OR EQUAL)	SEE BUILDING SECTION
						SEE BUILDING SECTIONS
	CEILING					
	FINISH		T-GRID-2X4		FIN. CEILING (8'-0") A.F.F.	2X2 GRID OPTIONAL
			OPTIONAL FRP CEILING IN BATH			
					STRUC. REV. A	
	MONO	RAFTER	STEEL -CON 600S200-43		@ 24" O.C. STEEL 2x6 MEMBERS -18GA	SEE BUILDING SECTIONS
	ROOF, TRIM	ALUM			EXCEPT @ 16" O.C. FIRST 4' FROM END WALLS	
	OVERHANG	4"				
	COVERING	45MIL	EPDM-FL1601.1			
	SHEATHING	22GA	MARLYN B-DECK/UNDER 1/4" DENS DECK		FL#1250	
	INSULATION	R-19	UNFACED-HELD UP BY VINYL-NETTING			SEE BUILDING SECTIONS
	STEEL		18" X 36" BAR JOIST			SEE BUILDING SECTIONS
	VENTS	(0)	N/A			

DOOR SCHEDULE

DOOR & HDRW. NOTES	DOOR SYMBOL		②	③	TOTAL OF (1) (CN -CLOSER) DOOR HARDWARE SCHLAGE D SERIES VANDLEGUARD RODES "F" TYPE 6 PIN REMOVABLE CORE W/KICK PLATE
	SIZE	WIDTH	36"	36"	
		HEIGHT	80"	80"	
	STYLE	INTERIOR DR.	*	*	
		EXTERIOR DR.	*	*	
STEEL./CLOSER-BACK-CHECK/2-LOCKSETS/8" X42" V.B.			*	*	TOTAL OF (1) RESTROOM UNITS ONLY-SCHLAGE AL 40'S
SOLIDCORE/PRE-HUNG/STAINED			*	*	

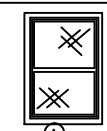
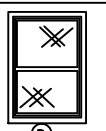
ALL DOOR HARDWARE SUBJECT TO CHANGE. ANY CHANGES MUST BE EQUAL TO OR EXCEED THE ABOVE HARDWARE SCHEDULE

STORM SHUTTERS INSTALLED ON SITE BY OTHERS TO MEET 140 MPH/LAND LARGE MISSILE IMPACT SUBJECT TO LOCAL APPROVAL. STORM SHUTTERS NOT REQUIRED IF WIND ZONE IS ZONE 4 OR LESS SUBJECT TO LOCAL APPROVAL - FL 2198

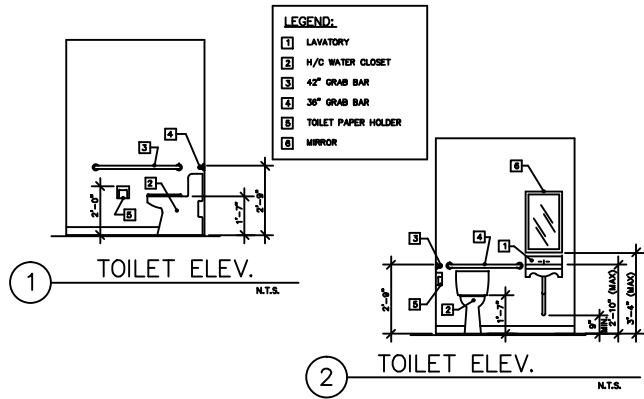
WINDOW SCHEDULE

ITEM DESCRIPTION	WINDOW SYMBOL		④	⑤	TOTAL OF 4 ON UNITS WITH BATH OPTIONAL
	SIZE	WIDTH	48"	53"	
		HEIGHT	53"	53"	
	STYLE	TEMPERED GL.			
		EMERGENCY			
VERT.SLIDE/CLR			*	*	TOTAL OF 5 ON DRY UNITS
VERT.SLIDE/BRON/CLR			*	*	

STORM SHUTTERS INSTALLED ON SITE BY OTHERS TO MEET 140 MPH/LAND LARGE MISSILE IMPACT SUBJECT TO LOCAL APPROVAL. STORM SHUTTERS NOT REQUIRED IF WIND ZONE IS ZONE 4 OR LESS SUBJECT TO LOCAL APPROVAL

KINCO FL# 123.3

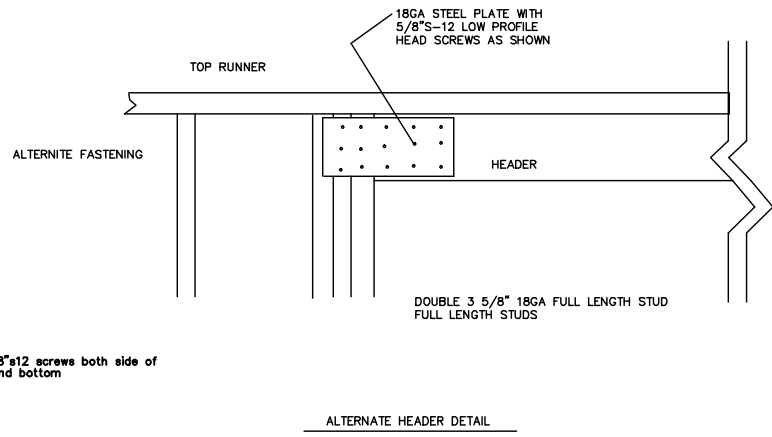
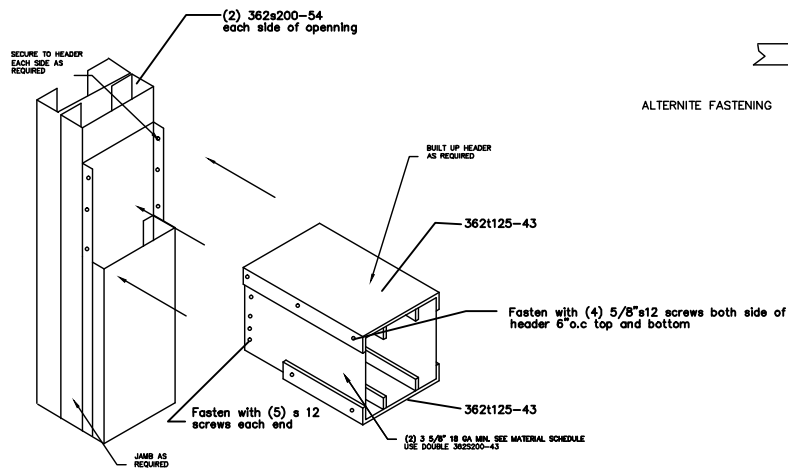


Approved Products list

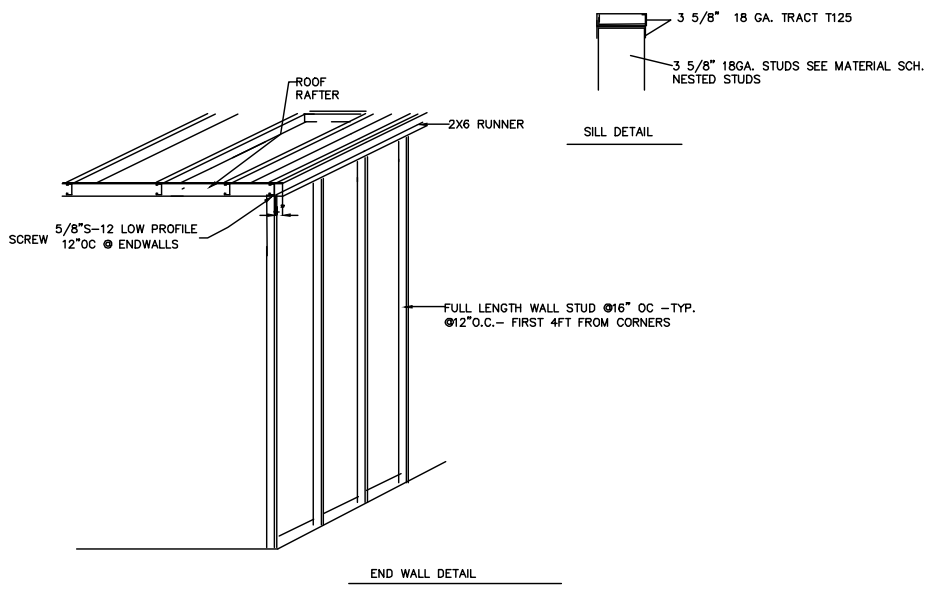
PRODUCT CATEGORY	SUB CATEGORY	MANUFACTURER	STATE OF FLORIDA	APPROVAL NUMBER
DOORS	EXTERIOR	CURRIES	FL#	2198
STEEL /STEEL				
WINDOWS	SINGLE HUNG	KINCO, LTD.	FL#	123.3
	SINGLEPLY ROOFING SYSTEM	CARLISLE SYN TEC	FL#	1601
ROOFING				
DENS DECK	ROOFING UNDERLAYMENT	GEORGIA PACIFIC	FL#	1250
SIMPSON	HURRICANE CLIP	SIMPSON	FL#	474.11
WINDOW OPTION	SINGLE HUNG/HUNG	P.G.T.	FL#	239.3
WINDOW OPTION	SINGLE HUNG	KINRO, INC	FL#	993

ALL WINDOWS AND DOORS MUST MEET OR EXCEED ZONE 4 -38.2 P.S.F. ZONE 5 -47.2 P.S.F.

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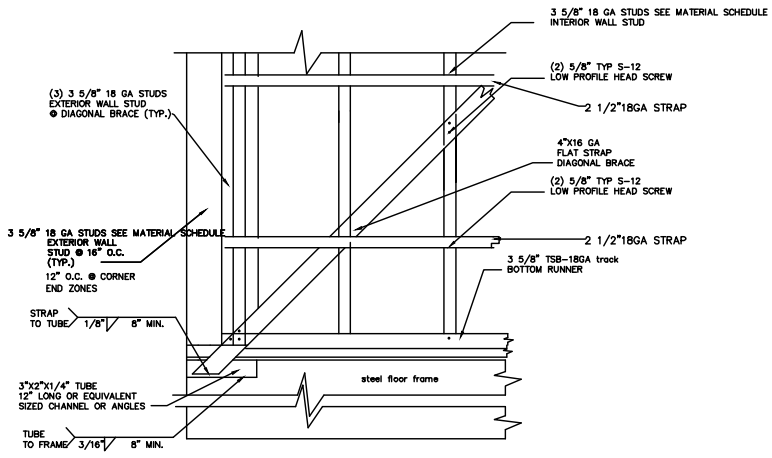


1 BOX HEADER TO JAMB CONNECTION N.T.S.

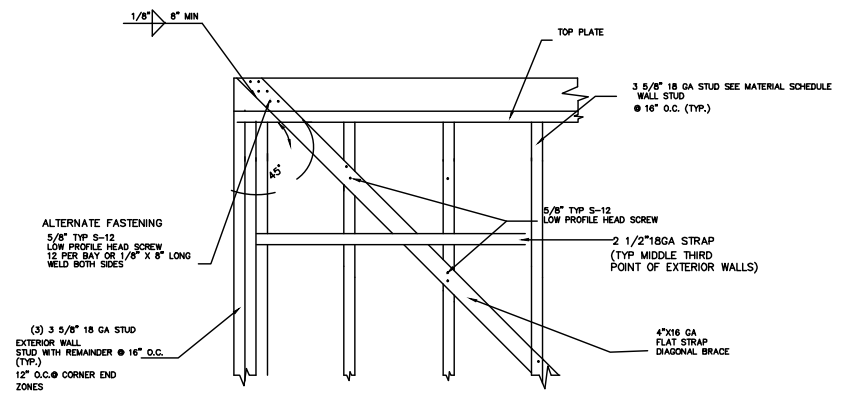


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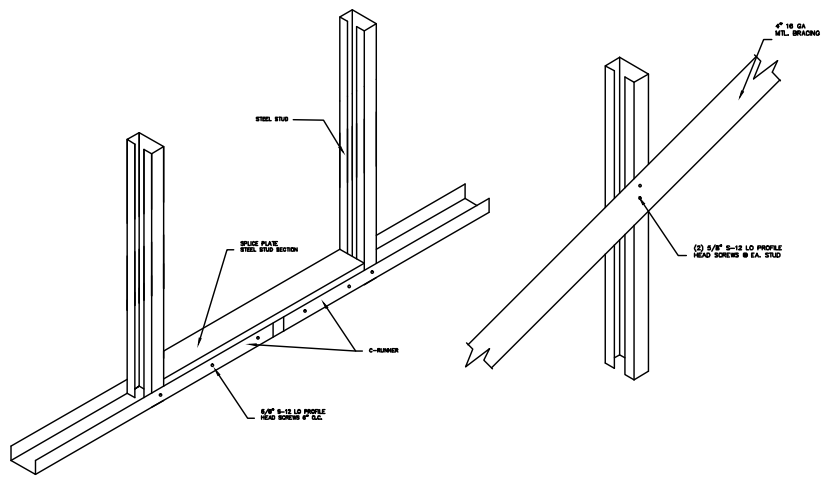
CLASSROOM TYPE IV 24 X36
DETAILS



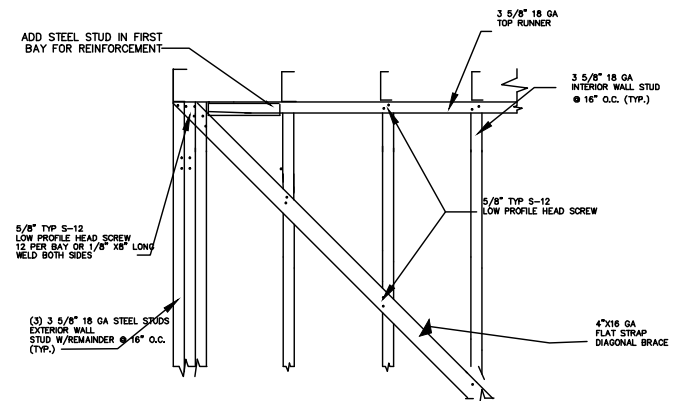
6 X-BRACING TO FLOOR FRAMING N.T.S.



7 X-BRACING TO TOP OF END WALL N.T.S.



4 DIAGONAL BRACING

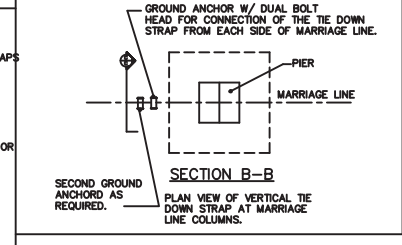
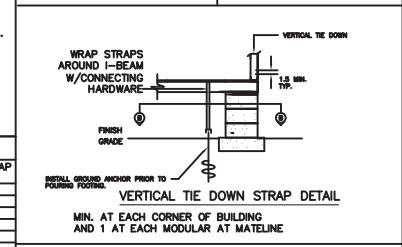
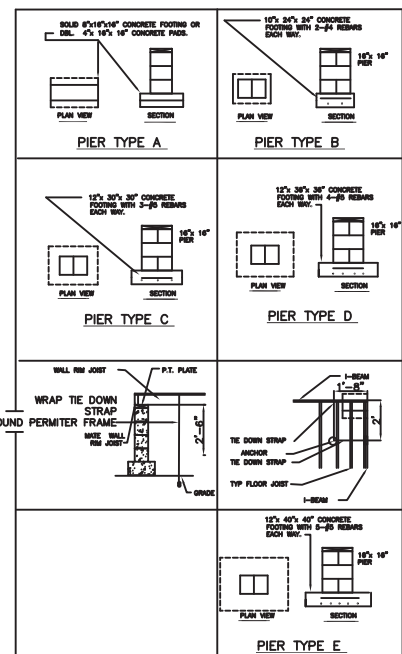
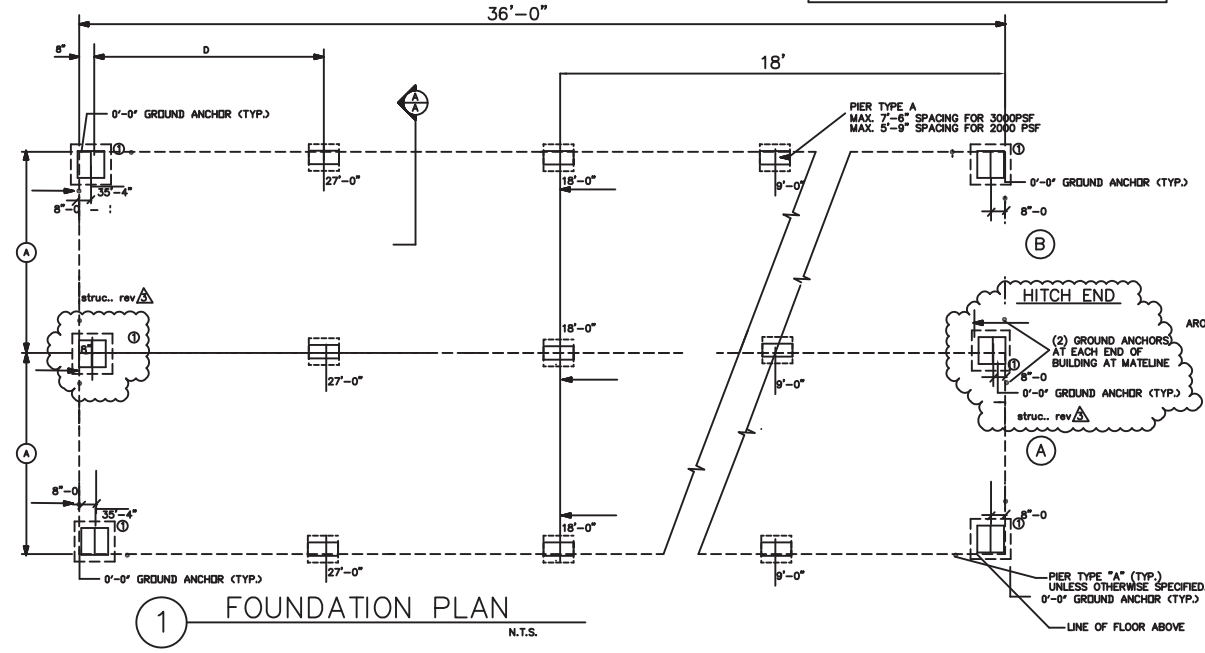


5 X-BRACING TO TOP OF SIDE WALL N.T.S.

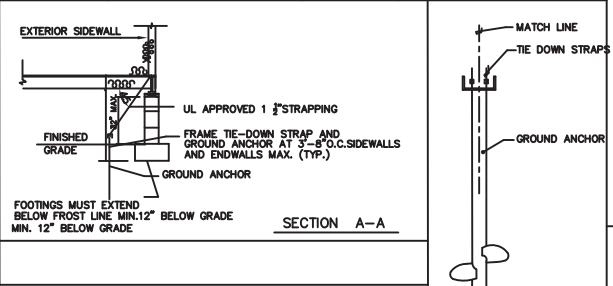
3 WALL DETAIL N.T.S.

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NOTE:
THIS FOUNDATION PLAN IS PROVIDED FOR REFERENCE AS A TYPICAL STANDARD. ACTUAL FOUNDATION CONDITIONS MUST BE EVALUATED FOR APPLICABILITY IF THIS PLAN IS TO BE USED. ALTERNATE FOUNDATION PLANS MAY BE DESIGNED BY OTHERS IN ACCORDANCE WITH THE REQUIREMENTS OF THE JURISDICTION HAVING AUTHORITY.



WALL PIER REQUIREMENTS			
PIER NUMBER	MIN. SOIL BEAR'G. CAPACITY	PIER TYPE	# OF MATING LINE TIE DOWN STRAP REQUIRED @ EACH MODULE
(1)	3000 PSF	C	1



FOUNDATION DIMENSIONS				
A MODULE WIDTH	B PIER TO BLD. EDGE	C CENTER SPACING	D MAX. PIER SPACING	MIN. BEAR'G CAPACITY
11'-8"	N/A	N/A	7'-6"	3000
11'-8"	N/A	N/A	5'-9"	2000

- FOUNDATION NOTES:**
- 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.
 - TIE-DOWN STRAPS TO BE 1-1/4"x0.036" 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.
 - 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 HELICES, 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.
 - THE FIRST TIE-DOWN STRAP FROM ENDWALLS SHALL NOT EXCEED 1/2 THE MAXIMUM SPACING INDICATED.
 - ALL PIERS SHALL BE CONSTRUCTED OF 8"x8"x16" CONCRETE MASONRY UNITS CONFORMING TO ASTM C90. MASONRY UNITS SHALL BE LAYED IN TYPE M OR S MORTAR OR COVERED WITH SURFACE BONDING CEMENT INSTALLED IN ACCORDANCE WITH ITS LISTING. PIER FOOTINGS SHALL BE AS DESCRIBED BELOW.
 - MINIMUM CONCRETE FOOTING COMPRESSIVE STRENGTH SHALL BE 2500 PSI AT 28 DAYS.
 - 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.
 - 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.
 - ALL PIERS SHALL BE CAPPED WITH 2X8 SYP PRESSURE TREATED SILL PLATES. FULL LENGTH OF PIER. PIERS SHALL PROVIDE A TRUE & EVEN BEARING SURFACE.
 - 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.
 - INSTALL BLOCK PIER ON EACH SIDE OF ALL EXTERIOR DOOR OPENINGS (MANUFACTURERS RECOMMENDATION ONLY - OPTIONAL WHEN NOT SHOWN) MUST BE REQUIRED TO INSURE OPENABILITY AFTER INSTALLATION OF BUILDING IS COMPLETE.
 - THE AREA UNDER FOOTINGS AND FOUNDATIONS SHALL HAVE ALL VEGETATION, STUMPS, ROOTS, AND FOREIGN MATERIALS REMOVED PRIOR TO THEIR CONSTRUCTION.

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CLASSROOM TYPE IV
FOUNDATION

2001 FLORIDA BUILDING CODE, CHAPTER 11. ACCESSIBILITY STANDARDS/ADA/ANSI/A117.1/FCDC.

- 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 (% 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 48 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 (% LEVER OPERATED, PUSH-TYPE, U-SHAPED) MOUNTED NO HIGHER THAN 48 INCHES ABOVE THE FLOOR.
- FLOOR SURFACES SHALL BE STABLE, FIRM, AND SLIP-RESISTANT. CHANGES IN LEVEL BETWEEN 0.25 INCH AND 0.5 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2. CHANGES IN LEVEL GREATER THAN 0.5 INCH REQUIRE RAMPS. CARPET PILE THICKNESS SHALL BE 0.5 INCH MAX. GRATINGS IN FLOOR SHALL HAVE SPACES NO GREATER THAN 0.5 INCH WIDE IN ONE DIRECTION. DOORWAY THRESHOLDS SHALL NOT EXCEED 0.5 INCH IN HEIGHT.
- ALL DOORS SHALL BE OPERABLE BY A SINGLE EFFORT. THE MAXIMUM FORCE TO OPEN A DOOR SHALL NOT EXCEED 8.5 POUNDS FOR EXTERIOR SWINGING DOORS AND 5.0 POUNDS FOR ALL SLIDING, FOLDING, AND INTERIOR SWINGING DOORS.
- ACCESSIBLE WATER CLOSETS SHALL BE 17-19 INCHES FROM THE FLOOR TO THE TOP OF THE SEAT. GRAB BARS SHALL BE 36" LONG MINIMUM WHEN LOCATED BEHIND THE WATER CLOSET AND 42 INCHES MINIMUM WHEN LOCATED ALONG SIDE OF THE WATER CLOSET AND SHALL BE MOUNTED 33-38 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 (% 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.

GENERAL NOTES 2001 F.B.C /2004 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 80 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 (GYPSUM).
- 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 EXPOSURE. B
- 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./2004F.P.C.

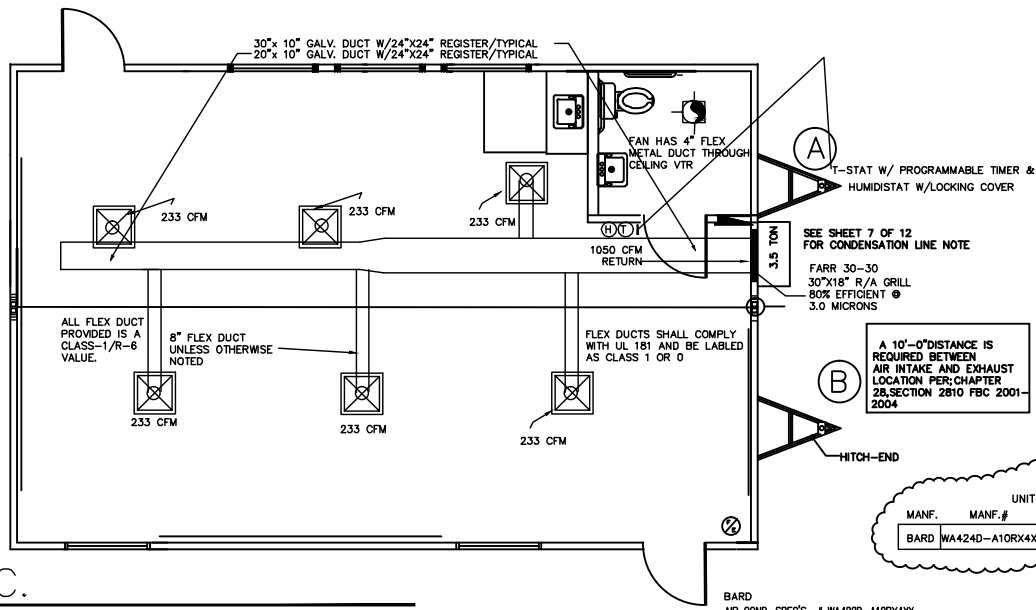
- CUSTOMER ASSUMES ALL RESPONSIBILITY FOR DRINKING WATER FACILITIES WHEN NOT SHOWN ON FLOOR PLAN.
- ALL PLUMBING FIXTURES SHALL HAVE SEPARATE SHUTOFF VALVES.
- WATER HEATER SHALL HAVE SAFETY PAN WITH 1 INCH DRAIN TO EXTERIOR. T&P RELIEF VALVE WITH DRAIN TO EXTERIOR, AND A SHUT OFF VALVE WITHIN 3 FEET ON A COLD WATER SUPPLY LINE.
- D.W.V. SYSTEM SHALL BE EITHER A.B.S. OR P.V.C. - D.W.V.
- WATER SUPPLY LINES SHALL BE C.P.V.C., OR COPPER;
- BUILDING DRAIN AND CLEAN OUTS ARE DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION APPROVAL.
- TOILETS SHALL BE ELONGATED WITH NON ABSORBENT MATERIAL.
- REST ROOM WALLS SHALL BE COVERED WITH IMPERVIOUS MATERIAL MINIMUM OF 6 FEET.
- WATER CLOSETS ARE TANK TYPE AND URINALS ARE FLUSH TANK TYPE UNLESS OTHERWISE SPECIFIED.
- SHOWERS SHALL BE CONTROLLED BY AN APPROVED MIXING VALVE WITH A MAXIMUM WATER OUTLET TEMPERATURE OF 120° F. (48.8° C)
- THERMAL EXPANSION DEVICE, IF REQUIRED BY WATER HEATER (INSTALLED), AND IF NOT SHOWN ON PLUMBING PLAN, IS DESIGNED AND SITE INSTALLED BY OTHERS SUBJECT TO LOCAL APPROVAL.
- WATER SUPPLY AT LAVATORIES SHALL HAVE DELAYED CLOSING VALVES.

SYMBOLS

	DUPLEX RECEPTACLE 120 V.		FIRE DAMPER
	SPECIAL RECEPTACLE 120V/1Ø		J-BOX FOR SITE INSTALLED TELEPHONE
	SINGLE RECEPTACLE 240 V.		FLOOR MOUNTED J-BOX FOR SITE INST. TELEPHONE
	FLOOR MOUNTED RECEPTACLE		J-BOX FOR SITE INSTALLED COMPUTER OUTLET
	SWITCH		HOSE BIB W/ BACK FLOW PREVENTER
	PT SWITCH W/ PROGRAMMABLE TIMER		JUNCTION BOX CEILING BOX
	3-WAY SWITCH		FIRE PULL STATION WITH STROBE
	RETURN AIR GRILL (R.A.G.)		FIRE PULL STATION WITH HORN/STROBE
	SUPPLY AIR DIFFUSER (S.A.D.)		FIRE PULL STATION
	GRILLE (THRU WALL)		SMOKE DETECTOR
	THERMOSTAT		PORCH LIGHT W/PHOTO CELL & (1) 40 WATT BULB
	PROGRAMMABLE THERMOSTAT		PORCH LIGHT W/(1) 40 WATT BULB
	DUCT REDUCER		VENT FAN/110 CFM UNLESS NOTED
	RECESSED (CAN) FIXT. W/(0) INCANDESCENT 40 WATT BULB		COMB. VENT FAN & LIGHT W/ (1) 40 WATT BULB
	RECESSED FLUORESCENT FIXTURE W/ (2) 34 WATT BULBS		INCANDESCENT LIGHT W/ (1) 40 WATT BULB
	RECESSED FLUORESCENT FIXTURE W/ (2) 34 WATT BULBS		
	RECESSED FLUORESCENT FIXTURE W/ (4) 34 WATT BULBS		
	FLUORESCENT FIXTURE W/ EMERGENCY BALLAST		
	ELECTRICAL PANEL 120/240V SGL. PH.		
	EXT SIGN		
	EXT SIGN W/ BATTERY BACK-UP		
	LOW PRESSURE SODIUM LIGHT		
	EMERGENCY LIGHT W/ BATTERY BACK-UP		
	FLUOR LIGHT W/ (2) 40 WATT BULBS		
	CLOCK RECEPTACLE 120V 1Ø		
	PHOTO CELL		

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CLASSROOM TYPE IIB 24x36
GENERAL NOTES



DESIGN CONDITIONS - ORLANDO, FL.

	OUTDOOR	INDOOR
SUMMER DB/WB	93/77°	76°
WINTER DB	38°	68°
RELATIVE HUMIDITY		50%

BATHROOM FAN SCHEDULE

MANUF.	CFM	DUCT NOTES
BROAN	100	VENT TO OUTSIDE VIA 4" FLEX DUCT

D.A. TABLE - (ASHREA 62-1999)

- 30 STUDENTS @ 15 CFM = 450 CFM
- PROVIDE CONSTANT VENTILATION DURING OCCUPIED TIMES

HEATING AND COOLING REQUIRED WITH OUTSIDE AIR, PER MFG. ERY SELECTION GUIDE

TOTAL SENSIBLE HEAT GAIN	30,720
TOTAL LATENT HEAT GAIN	9,625
TOTAL HEAT GAIN	40,345 BTUH
TOTAL HEAT LOOSE	11,600 BTUH

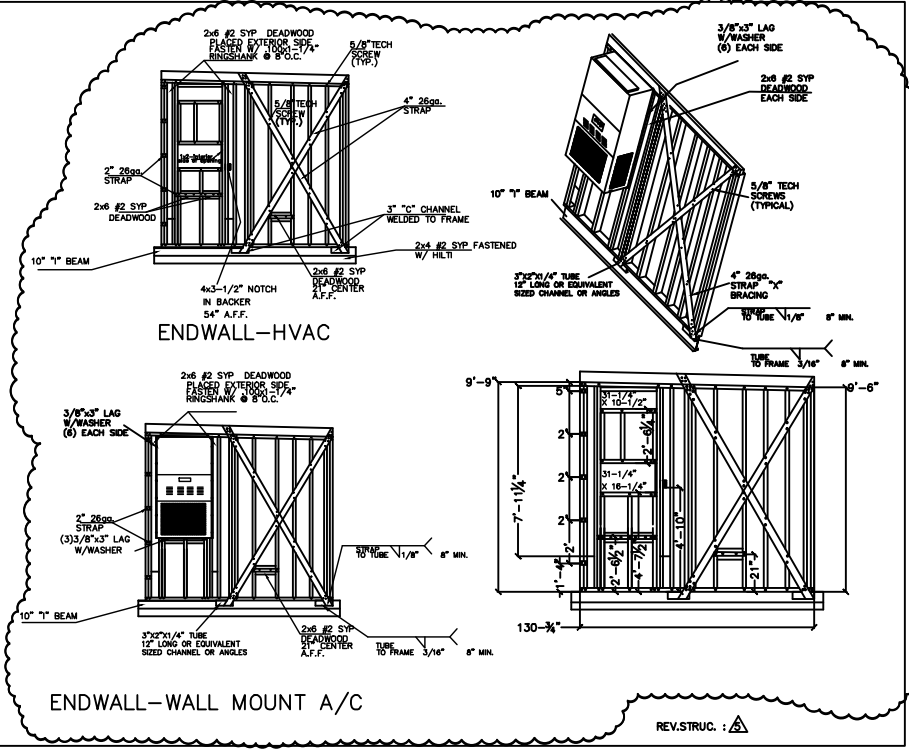
UNIT SCHEDULE

MANF.	MANF.#	CFM	O.A. CFM	SENSIBLE	LATENT	HEAT/KW
BARD	WA424D-A10RX4XX	1400 @ .3ESP	450 CFM	32,300	9,700	10KW

- MECH.REV. **A**
- NOTES: #1 PROVIDE AUTO CHANGEOVER 7 DAY PROGRAMMABLE T-STAT W/ VENTILATION CONTACTS. VENTILATION NOT TO BE RUN DURING UNOCCUPIED TIMES. T-STAT MUST HAVE PRE CONDITIONING FEATURE. BASIS OF DESIGN ROBERT SHAW M#300-229. PROVIDE HUMIDISTAT TO ENERGIZE HOT-GAS & RE-HEAT COIL IN A/C FOR DE HUMIDIFICATION. LOCKING COVER FOR CONTROLS REQUIRED.
- #2 UNIT PROVIDED WITH ENERGY RECOVERY VENTILATOR TO PROVIDE 450 CFM OF FRESH AIR DURING OCCUPIED TIMES
- #3 HOT GAS REHEAT PROVIDED IN UNIT FOR HUMIDITY CONTROL DURING OFF-PEAK & HIGH HUMIDITY TIMES OF VENTILATION.

H.V.A.C.

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

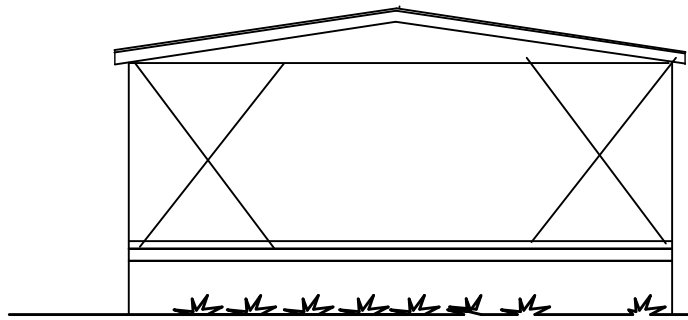


BARD
AIR COND. SPEC'S # WA422D-A10RX4XX
3.5 TON WALL MOUNT WITH WERV
10 KW HEAT STRIP, 1400 CFM
@ .3 INC ESP, 240V, 1-3, UNIT
PROVIDED WITH FRESH AIR INTAKE
WIRE: #6-2 W/ #8 GND (60 AMP (2P))

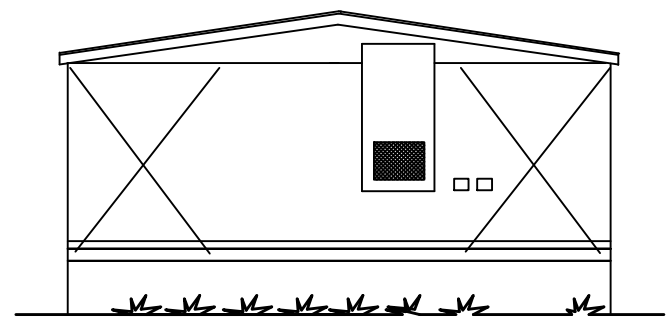
- MECHANICAL NOTES:
- ALL MECHANICAL CONSTRUCTION, MATERIALS AND INSTALLATION MUST BE IN ACCORDANCE WITH THE 2001 & 2004 FLORIDA MECHANICAL CODE (FMC) AND THE STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES-SECTION 423 FRC.
 - H.V.A.C. EQUIPMENT SHALL BE U.L. LISTED. CONDENSATION PIPE FROM HVAC UNIT TO GRADE SHALL BE SITE INSTALLED. TIME SWITCH, PROGRAMMABLE TIME CLOCK, OR EQUAL SHALL BE INSTALLED ON HVAC FOR ENERGY CONSERVATION. HVAC UNIT SHALL HAVE A MINIMUM SEER RATING OF 9.7 (SGL PACKAGE).
 - RESERVED
 - HVAC UNITS SHALL HAVE FRESH AIR INTAKE CAPABLE OF PROVIDING 15 CFM OF OUTSIDE AIR PER OCCUPANT. INSTALLED IN ACCORDANCE WITH NFPA 90B.
 - RESTROOM VENT FANS SHALL BE CONNECTED TO THE ROOM LIGHT FIXTURE SWITCH AND SHALL CONTINUE TO OPERATE BY A BUILT IN AUTOMATIC TIMER FOR MINIMUM OF FIVE MINUTES AFTER LIGHT HAS BEEN TURNED OFF.
 - HVAC UNIT BLOWERS SHALL OPERATE CONTINUOUSLY DURING HOURS OF OCCUPANCY.
 - INSULATED DUCTS FOR CONDITIONED AIR SHALL HAVE A VAPOR BARRIER ON THE WARM SIDE OF THE DUCT.
 - HVAC EQUIPMENT HAS BEEN DESIGNED FOR MAXIMUM OCCUPANT LOAD OF 60 PERSONS.
 - OUTSIDE AND INSIDE NET AND DRY BULB DESIGN MUST COMPLY WITH WEATHER CONDITIONS

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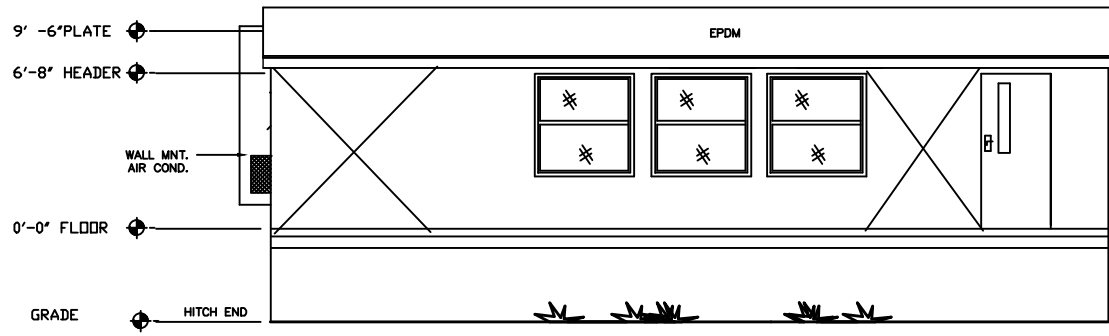
CLASSROOM TYPE IV 24 X36
H.V.A.C.



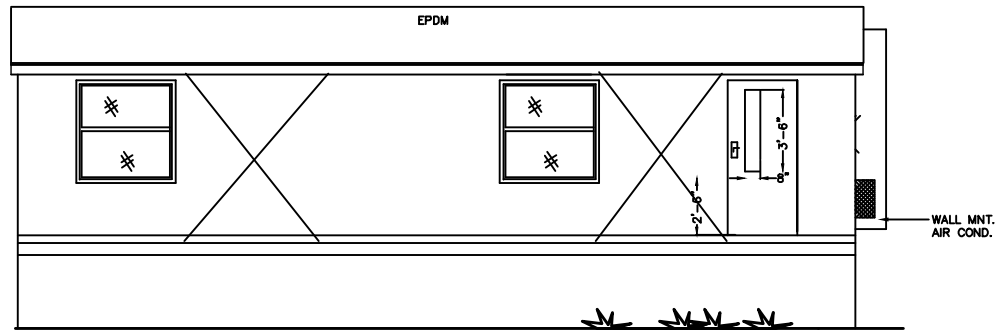
4 LEFT ELEVATION
1/4"=1'-0"



3 RIGHT ELEVATION HITCH END
1/4"=1'-0"



2 REAR ELEVATION
1/4"=1'-0"



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

ELEVATION NOTES:

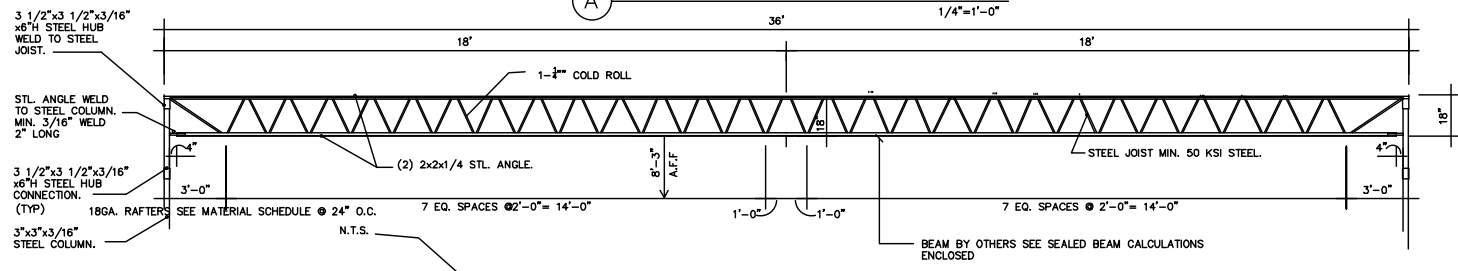
1. SEE CROSS SECTION FOR METHOD OF ROOF VENTILATION.
2. (ACCESSIBILITY) RAMP(S), STAIR(S), AND HANDRAILS ARE SITE INSTALLED, DESIGNED BY OTHERS, AND SUBJECT TO LOCAL SCHOOL DISTRICT JURISDICTION.
3. FOUNDATION ENCLOSURE (WHEN PROVIDED) MUST HAVE 1 SQUARE FOOT NET VENT AREA PER 1/150TH OF THE FLOOR AREA, AND AN 18"x24" MINIMUM CRAWL SPACE ACCESS, SITE INSTALLED BY OTHERS SUBJECT TO LOCAL SCHOOL DISTRICT JURISDICTION.

DRAWN BY:
SCALE: 1/8"=1'-0"
DATE: MARZO/2010
CHECKED BY:

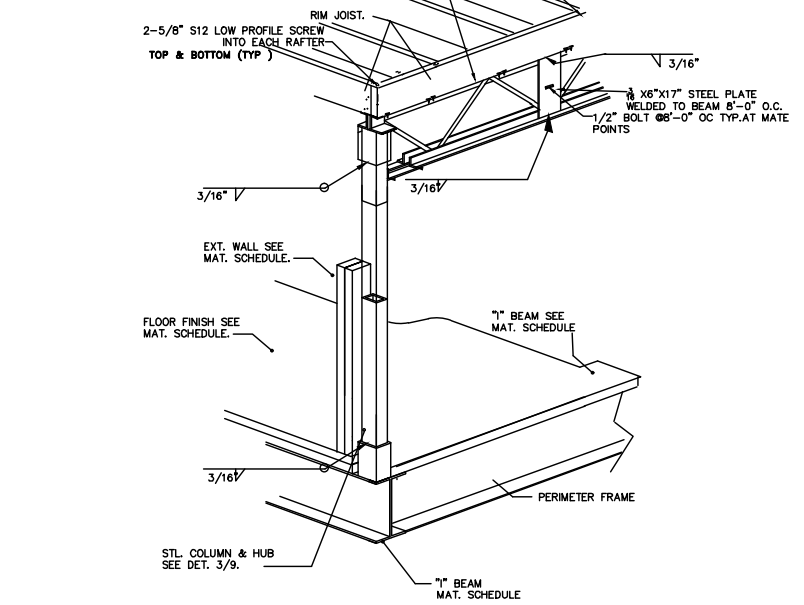
CLASSROOM TYPE IV 24 X36

ELEVATIONS

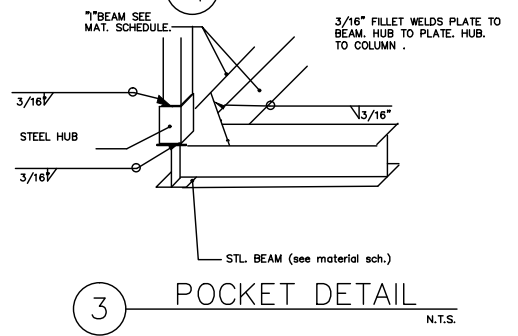
(A) STEEL JOIST @ MATE WALL



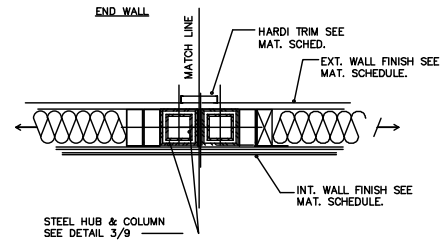
AS AN ALTERNATE: USE AN OPEN WEB STEEL JOIST 18KG PER SJ--STEEL STANDARDS MODIFIED FOR 18" TO 27" DEPTH. ADJUST DETAILS AND DIMENSIONS ACCORINGLY.



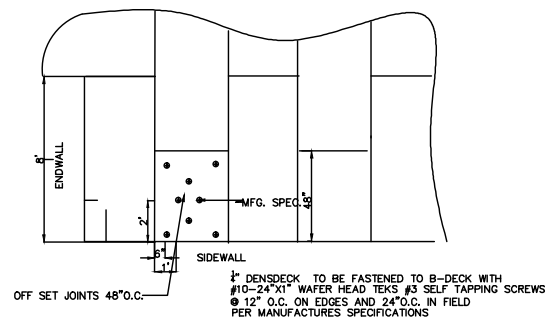
(4) CORNER STL. COL. DET.



(3) POCKET DETAIL



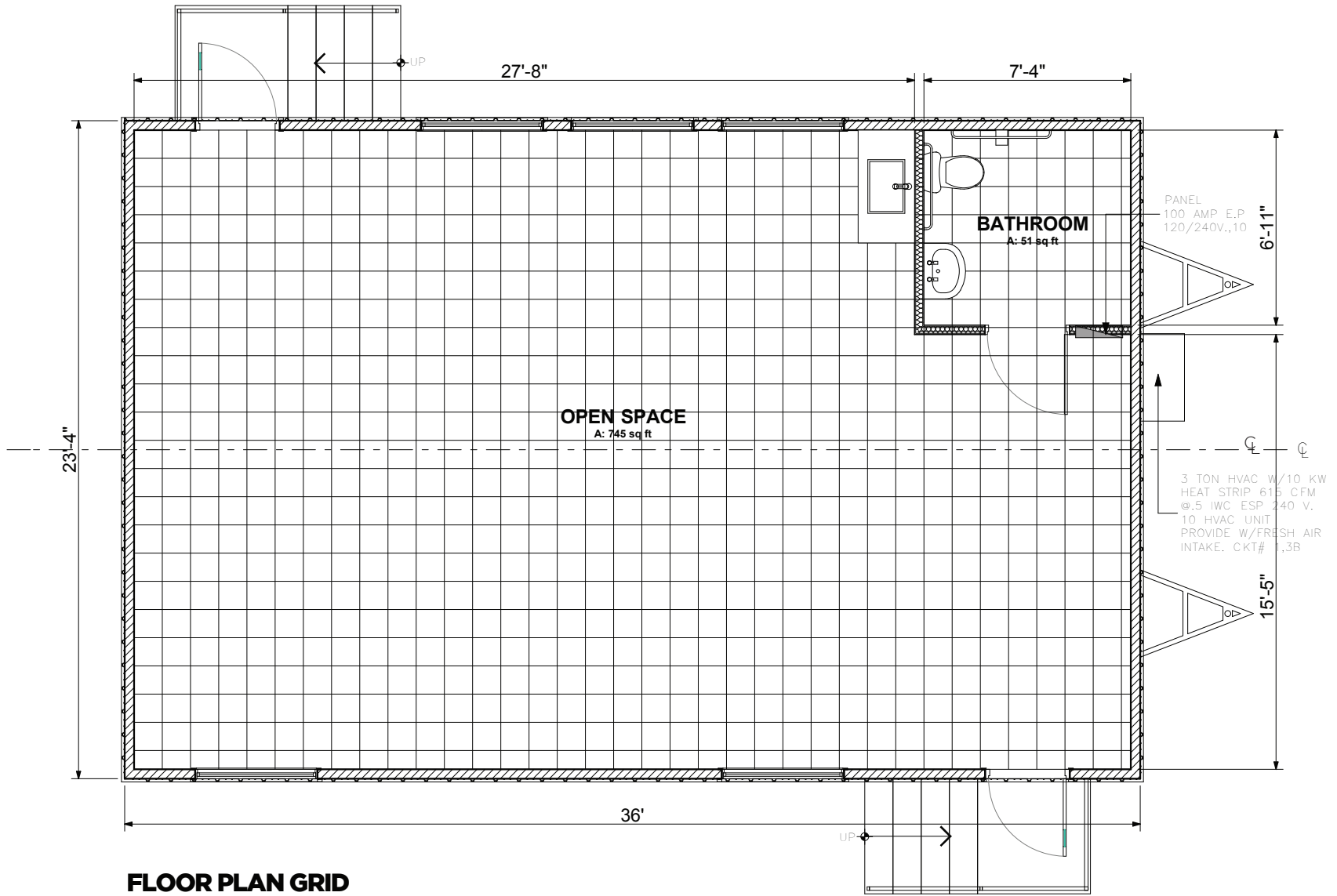
(5) PLAN DETAIL



ROOF SHEATHING DETAIL

DRAWN BY:
SCALE: 1/8"=1'-0"
DATE: MARZO/2010
CHECKED BY:

CLASSROOM TYPE IV 24 X 36
ROOF DETAILS



FLOOR PLAN GRID

DOUBLE WIDE WITH BATHROOM
SCALE: 3/16" = 1' - 0"

