

Blazer Industries, Inc.

SPEC SHEET- ES2832HCRR (2009 STD)

DESIGN LOADS:

Date: Revised 4/29/09
Customer: **Equipment Supply LLC**
Location: _____
Project: **Lease Unit**

Size: 28x32
Description: Classroom/HCRR
Insignias: Washington Gold and Modular Building Institute Seals
Floor: 40
Wind: 110/B
Roof: 30

PONY WALL FOUNDATION

Offset rim joist to accommodate shear wall flush with exterior siding.
All weather wood shear wall material stamped for ground contact, shipped loose required pieces of 1/2" PT CDX plywood with (4) corners and vents, painted to match siding.

FLOOR

Joists: 2x8 @ 16" o/c with joist hangers
Rims: Continuous single 2x8 microllam
NOTE: Moist-stop water barrier applied to perimeter (over gyplap) at rims and end joists
Bottom Board: Class "A" woven poly. Fabric seamless
Insulation: R25 Cellulose blow in - Use R25 fiberglass batt at bolting locations
Decking (1st): 3/4" Advantech Tongue and Groove - Glued and nailed
Decking (2nd): 1/4" Ultraply XL in Restroom

WALLS

Framing (EXT): 2x6 @ 16" o/c with continuous single 2x6 microllam top plate - Height = 97"
Framing (INT): 2x4 @ 24" o/c, plumbing wall to be 2x6
Plenum Walls: NC35 Sound reducing lined with 5/8" sheetrock
Columns: Wood end columns
Insul-Exterior: R19 fiberglass batt
Insul-Interior: R11 fiberglass batt sound insulation at interior walls to bottom of rafters
Sheathing: 5/8" Type-X fire rated gyplap
Siding: 7/16" LP SmartSide Panel T1-11 with grooves 8" o/c over Housewrap
NOTES: No horizontal breaks in siding except at endwalls - Use 4'x9' panels
Moist-stop water barrier applied to perimeter (over gyplap) at rims and end joists
Trims: Corners: 1x4 TruWood Trim
NOTE: 2" x 2" galvanized flashing applied over siding and under corners
Mod line: 1x4 TruWood Trim
Fascia: 1x6 TruWood Trim
Doors: 1x4 TruWood Trim
Windows: 1x4 TruWood Trim

ROOF

Framing:	2x10 Rafters @ 24" o/c - Roof pitch = 2/12
Ridgebeam:	Continuous microllam 1-1/2"x 24" Double
Insulation:	R30 Cellulose blow in
Sheathing:	7/16" OSB
Cover:	Pabco 30 yr. Architectural shingle - High Wind Application
NOTE:	Mop tar under shingles from eave up 2'-0" towards ridge - Typical both eaves
Venting:	Continuous Eave & Ridge

DOORS

	EXT/INT	QTY	SIZE	TYPE	HINGES	FINISH	LOCK	CLOSER	PANIC
1	EXTERIOR	1	3'x6'8"	HM/GALV WELDED	SS-BBH NRP	PAINT	SCHLAGE CYLINDER	LCN 1461	VON DUPRIN 22L
2	INTERIOR	1	3'x6'8"	PW/SV	STD	VWCO	LC2276 PRIVACY		

DOOR HARDWARE TO HAVE #626 SATIN CHROMIUM PLATED FINISH

EXTERIOR

HM = Insulated Steel door w/ Welded Steel Jamb

GALV = Galvanized

INTERIOR

PW = Prehung Wood

SV = Solidcore Vinylwrap

FINISH

VWCO = Vinylwrap Colonial Oak

WINDOWS

	EXT/INT	QTY	SIZE W x H	BRAND	SLIDER	GLAZING	FINISH	BLINDS	TINT
1	EXTERIOR	2	48"x48"	ATRIUM	HORIZ	DUAL LOW E	WHITE VINYL	MINI	SOLAR BRONZE

GALVANIZED FLASHING INSTALLED UNDER EXTERIOR TRIM ABOVE WINDOWS

INTERIOR FINISHES

Floors:	Restrooms:	Congoleum "Diamond" #9230 sheet vinyl
	All Else:	On site by others
Walls:	Restrooms:	5/8" Vinylwrap sheetrock (Type-X fire rated sheetrock) and plastic laminate wainscot per code
	One wall:	1/2" Vinylwrap Tackboard over 5/8" Type-X fire rated sheetrock on one wall
	All Else:	5/8" Vinylwrap sheetrock (Type-X fire rated sheetrock)
Base:	Restrooms:	6" rubber
	All Else:	On site by others
Trims:	Walls:	Vinylwrap corners and batts to match wall color
	Windows:	Vinylwrap Colony Oak wood surrounds and casing
	Door:	Vinylwrap Colony Oak wood door and casing as required
Ceiling:	Entire Building:	2'x4' T-bar grid and tile - Height: 8'-0"
Tile:	Entire Building:	T-bar tiles Armstrong "Cortega" #769A

<u>HVAC</u>	
Comb Heat/AC:	(1) Bard wall hung Heat Pumps - 2.5 ton 8 kw with Economizers - rated nominal 10 EER
NOTE:	Minimum code required is 8.6 EER (Energy Efficiency Rating)
Supply Ducting:	Round galvanized overhead and insulated flexduct with flexduct sound isolation sleeves
Diffuser:	24"x24" T-bar with NO dampers - Flow controls at supply plenum and wyes
Thermostat:	(1) 7-day programmable - Honeywell VisionPRO TH8320U
Return Air:	Thru return air grills in plenum walls; bottom of grills mounted 6" above finished floor
Outside Air:	As required to meet the Washington State Indoor Ventilation Code for Classrooms
Exhaust Fans:	(1) 110 CFM - Switched with light Broan QTRE110
<u>PLUMBING</u>	
HC Toilets:	(1) Handicap Height, Elongated Bowl, Pressure Assist Gerber 21-318
Toilet Tissue:	(1) single roll
Grab Bars:	(1) 18", (2) 36" & (2) 42"
Lavatory:	(1) 19 x 17 Wall Hung, One Piece Wall Hanger Gerber 12-314
Lav. Faucet:	(1) Ceramic Disc, Hot Limit Stop, ADA Lever Handle A/S 2385.404
Mirror:	(1) 24"x36" - glass with no frame
Water Heater:	(1) 2 1/2 Gallon, 120 Volts, 1440 Watts, High Efficiency Ruud PEP2-1
NOTE:	Water Heater mounted on wall in Restroom above toilet
Sewer Lines:	PVC DWV Schedule 40 Plastic
Water Lines:	Copper & Aquapex
<u>ELECTRICAL</u>	
Design/Approval:	Electrical system designed/stamped by licensed electrical engineer as required. Includes State of Washington special approval/compliance for classrooms.
Meter Base:	On site by others if required
Service:	120/240V Single phase - Stub through exterior wall
Panel:	(1) 100 amp Square D HOM1224M100
Material:	Metallic Raceway System
Receptacles:	(4) Duplex 20 amp Leviton CR20 (1) Clock 15 amp Leviton 688 (1) 15 amp GFCI Leviton 8599-CP (1) 15 amp GFCI WP Leviton 8599-CP w/ Intermatic WP 1100C cover
Switches:	(3) Single pole Leviton CS120
NOTES:	Automatic shut-off provided for classroom lights All devices and face plates to be ivory
Light:	(9) Troffer 2'x4' 3-tube Day-Brite #3TG8 Series or equal
Tubes:	T-8, 32 watt 70CRI, 3500K
Ballast:	Single electronic Advance-Centium ICN-3P32-SC or equal
Porch Light:	(1) 13 watt fluorescent with vandal resistant cover and integral Photo Cell Lithonia TWS-13TT
Raceway Only:	Exterior Horn/Strobe (1) Pull Station (1) Interior Horn/Strobe (2)