

SIZE:

Width(ft):	50	Back side roof slope:	1:12
Length(ft):	75	Front side roof slope:	1:12
Backside eave height(ft):	14		
Frontside eave height(ft):	14		
Left Endwall Bay spacing:	3 at 16'8"		
Right Endwall Bay spacing:	3 at 16'8"		
Sidewall Bay spacing:	3 at 25'		
LEW Type: Flush	REW Type: Flush	FSW Type: Bypass	BSW Type: Bypass

LOADING:

Applicable Building Code:	IBC 12	Roof Snow Load:	7
Roof Live Load(psf):	20.00	Ground Snow Load:	10
Reduction Allowed:	Yes	Snow Importance:	1.00
Roof Dead Load(psf):	2.000	Wind Speed (mph):	115
Roof Collateral Load(psf):	0	Wind Importance:	1.00
Seismic Zone:	C	Building Exposure:	B
Seismic Importance:	1.00	Building Enclosure:	Closed
Seismic Coeff.:	Ss=0.24 S1=0.11		

NOTE: The wind loads used in the design of this building are based on exposure category B. If Surface roughness B does not prevail for a 1,500 ft. radius contact SBI as the design wind loads may need to be increased.

Surface roughness B: Urban, suburban, wooded areas with numerous closely spaced obstructions having the size of single-family dwellings.

DEFLECTION CRITERIA:

Wall Girt Max. :	L\ 90	Rigid Frame Horizontal:	H\ 60
Roof Purlin L.L.:	L\ 180	Rigid Frame Vertical:	L\ 180

FRAMING:

Left endwall frames: Bearing (Bearing = Post & Beam - Non expandable)  
Right endwall frames: Bearing (Bearing = Post & Beam - Non expandable)  
Interior Frames: 2 Rigid Frames, Clear Span  
RF Column Type: Tapered Depth  
Maximum Depth: None Specified  
Base Condition: Standard Base Angle

WIND FRAMING:

Roof: Diagonal Bracing  
Left endwall: Panel Shear  
Right endwall: Panel Shear  
Front sidewall: Wind Column  
Back sidewall: Wind Column

ROOF SYSTEM:

Roof panel: PBR Gauge: 26 Finish/Color: Galvalume

WALL SYSTEM:

Wall panel: PBR Gauge: 26 Finish/Color: SP40 Color Ash Gray  
Gable/Eave trim color: SP40 Color Polar White  
OS corner color: SP40 Color Polar White

GUTTERS AND DOWNSPOUTS:

Front sidewall gutters(ft):	None	Front SW downspouts:	None
Back sidewall gutters(ft):	None	Back SW downspouts:	None
Color:	N/A	Color:	N/A

TRIMMED STRUCTURAL OPENINGS / ACCESSORIES

FACTORY LOCATED OPENINGS:

Left endwall:	none		
Front sidewall:	(1) 12	W x 12	H
	(1) 20	W x 12	H
Right endwall:	none		
Back sidewall:	(2) 12	W x 12	H
	(1) 20	W x 12	H

Partial Open Wall Areas:

Left Endwall: None  
Front Sidewall: None  
Right Endwall: None  
Back Sidewall: None

Column Base Elevations:

Left Endwall: 0 in  
Front Sidewall: 0 in  
Right Endwall: 0 in  
Back Sidewall: 0 in

Insulation:

Roof: Type = Vinyl Reinforced Reflective  
Thickness = 3"  
Wire = None  
Wall: Type = Vinyl Reinforced Reflective  
Thickness = 3"  
Wire = None

Translucent Wall Panels: None  
Translucent Roof Panels: None

Personal Doors: 1 - 3070M With Dead Bolt Locks  
Windows: None

Liner Panels:

Left Endwall: None  
Front Sidewall: None  
Right Endwall: None  
Back Sidewall: None

Roof Extensions (Overhangs):

Left Endwall: 0 in  
Right Endwall: 0 in  
Front Sidewall: 0 in  
Back Sidewall: 0 in

Canopies:

Left Endwall: None  
Front Sidewall: None  
Right Endwall: None  
Back Sidewall: None

Facia:

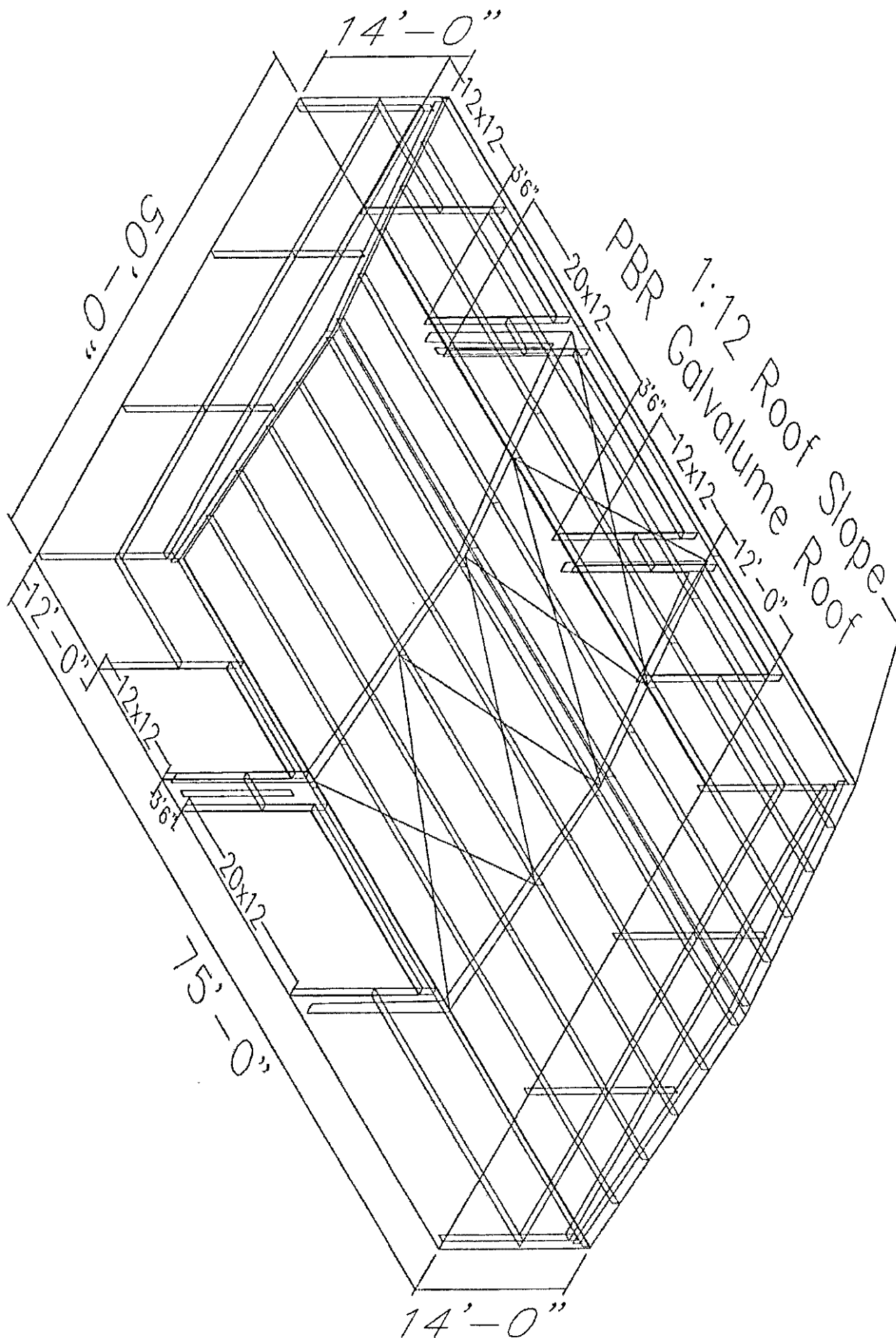
Left Endwall: None  
Front Sidewall: None  
Right Endwall: None  
Back Sidewall: None

Interior Metal Partitions:

Transverse: None  
Longitudinal: None

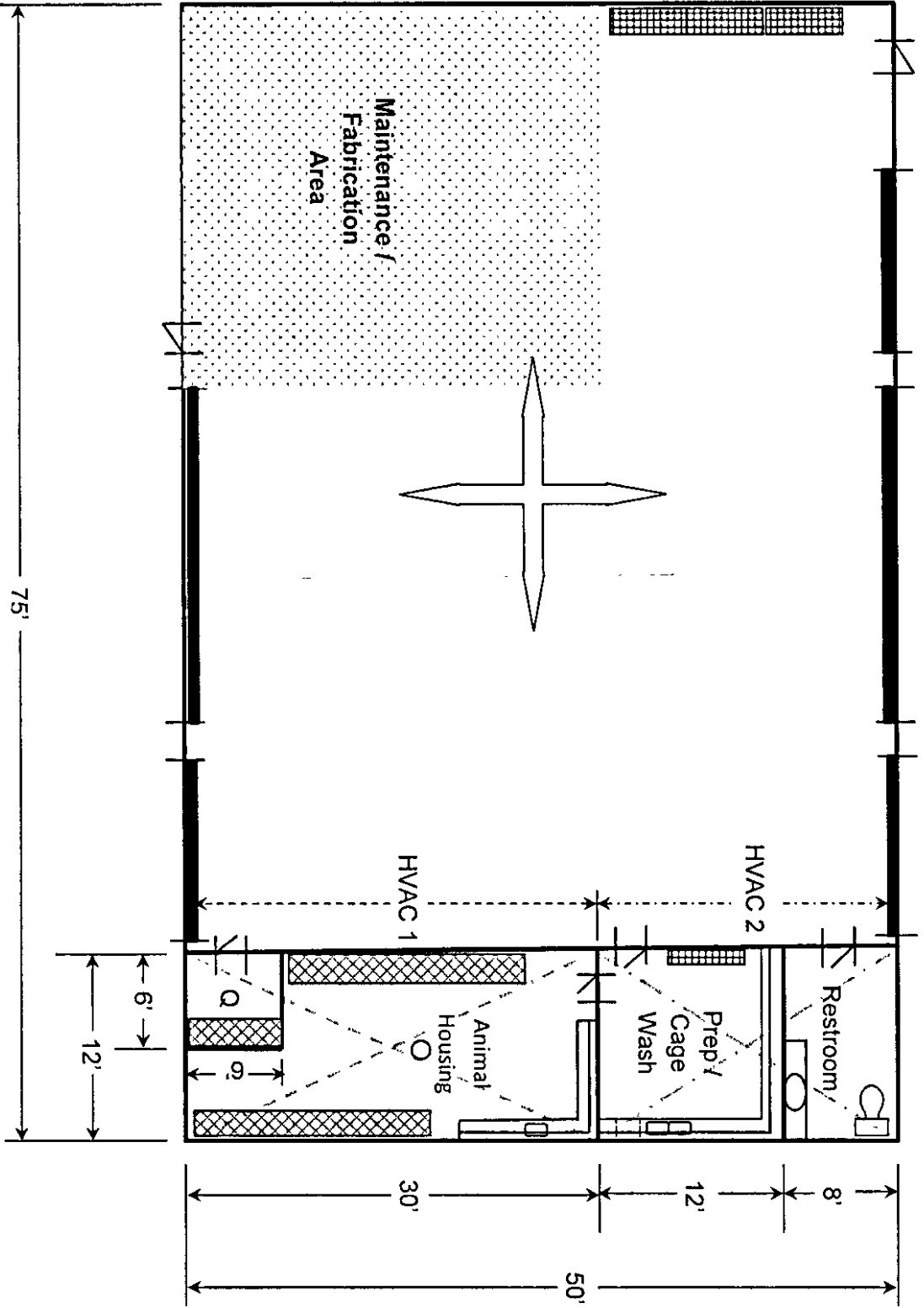
Special Items: None

COMMENTS/NOTES:



**SBFS Shop With Animal Housing Facility**

Front



Henderson State University's Simonson Biological Field Station  
100 Simonson Road, Bismarck AR 71929  
501-865-6033

Build Site of Henderson State University Simonson Biological Field Station's Shop

