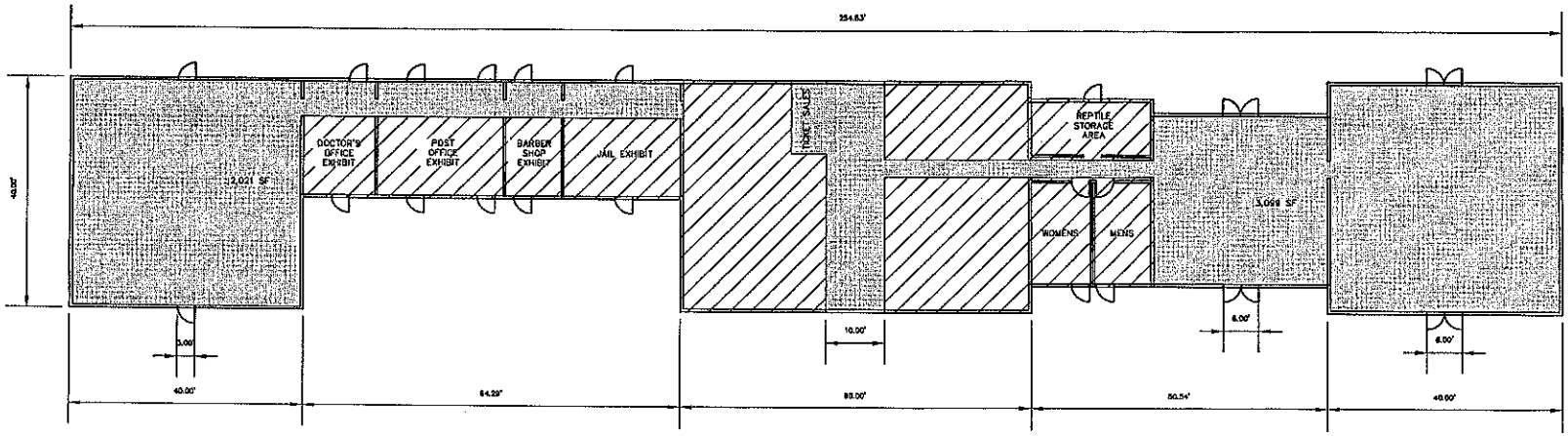


PIEDMONT DESIGN ASSOCIATES, P.A.						Engineering
125 East Plaza Drive, Suite 101						Surveying
Mooresville, North Carolina 28115-8812						Planning
Telephone (704) 664-7888 Fax (704) 664-1778						
Job No.:		Date:	10/29/2009	Revision:		
Project:	Zootastic					
Location:	Pilch Road, Iredell County, NC					
Septic System Design Flow Calculations						
Main Building Left Gift Shop & Exhibit Viewing Hall Areas:			2,021	SF		
Main Building Entry, Ticket Sales, Gift Shop Areas:			3,099	SF		
			5,120	SF		
Wastewater Design Flow Determination:						
Per 15A NCAC 18A .1949 SEWAGE FLOW RATES FOR DESIGN UNITS TABLE NO. 1						
	Retail Sales Area =	5,120	at	120	GPD per 1,000 SF of Retail Sales Area	
	Number of Employees =	10	at	25	GPD per Employee per shift	
				614.4	GPD from Retail Sales	
				250	GPD from Employees	
				864.4	**GPD Total**	

Location:

Date of Issue:

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PREPARED FOR:
ROBERT SCOTT BROWN
448 PILCH ROAD
TROUTMAN, NC 28166
704-309-5564

SEPTIC SYSTEM AREA CALCULATION
EXHIBIT DRAWING
"ZOOTASTIC"
IREDELL Co., NORTH CAROLINA

REVISIONS	BY

Date: 10/29/09
Scale: 1"=20'
Drawn: DLM
Checked: DLM
Job: 09-08-01
Sheet: EX-1
of 1 Sheets

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