Fire Sprinkler System Specification Sheet

(Per §40-10-250)

Project Data

Project name: Turbeville Branch Library			
Location in South Carolina:	Address (street # & name): 1178 Smith Street		State Project: ☐ Yes ■ No
	City: Turbeville	County: Clarendon	State Project #:

Water Supply Information

(Flow test data must be less than 1 year old per §40-10-250(A)(1))

Date test conducted: / /	Static pressure (psi): TBD	Residual pressure (psi): TBD	Flow (gpm): TBD
Distances of test gauges relative to the base of the riser:	Horizontal (ft): 300	Vertical (elevation difference in ft): 0	
Source of water supply:	☐ Municipal dead-end ■ Municipal circulation ☐ existing fire pump ☐ Other:		Pipe Size (in.): 6
Test data by/from:	Name: Ellis Evans	Title:	
	Organization: Turbeville Water Department		Phone: 843-373-9273
Fire pump: ☐ New ☐ Existing ■ No Pump	Rated Pressure (psi):	Churn Pressure (psi):	
	Rated Capacity (gpm):	Pressure @ 150% flow (psi):	
On-site water storage:	☐ Yes ■ No ☐ New ☐ Existing	☐ Tank ☐ Other:	Capacity (gal):

NFPA Hazard Classification

(Attach continuation page when necessary)

Area #	Hazard Class or Code Reference	Description of Hazard Protected (including occupancy use group, and details of storage arrangement as applicable (including commodity class, rack arrangement/type, ceiling and storage height.))
1	Light Hazard	Office, Workroom, Kitchen, Restrooms, Lobby, Meeting Room
2	Ordinary Hazard, Group 1	Electrical Rooms, Storage Rooms
3	Ordinary Hazard, Group 1	Attic Spaces

Design Parameters

(Attach continuation page when necessary)

Area #	System Type	Density(gpm/ft²)/Area(ft²), or Other (Reference code sections)	Inside Hose (gpm)	Outside Hose (gpm)
1	Wet	0.10 gpm/sf/1500 sf *	0	100
2	Wet	0.15 gpm/sf/1500 sf *	0	250
3	Wet	0.15 gpm/sf/1950 sf	0	250

Seismic Design Data:	S_S= 0.55g	**Site Classification**= D	**Seismic Design Category**= D

Codes and Standards

(Attach continuation page when necessary)

Applicable Codes, Standards, & Editions (i.e. 2018 IBC, 2016 NFPA 13, etc.) **for the Scope of Work on the Fire Sprinkler System**

Wet Pipe Sprinkler System: NFPA-13 (2019), , IBC (2021), IFC (2021)

* Area reduction per 19.3.3.2.3.2 is allowed

Scope of work (i.e. sprinkler system A.G. from 1'-0" A.F.F., U.G. from tap to 5'-0" outside, etc.) and **notes** (attach continuation page when necessary):

- Fire sprinkler contractor's work begins 1'-0" above finished floor at the riser.

Specifier's Information

Name: Samuel C. Stephens, P.E.	
Engineering services provided through a firm: ■ Yes ☐ No	
Firm name: Stephens Engineering & Consulting, LLC	
Address: 130 Heritage Lane	
City: Easley	
State: SC Zip: 29642	
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SOUTH CAROLINA — STEPHENS ENGINEERING & CONSULTING LLC — C05169 — CERTIFICATE OF AUTHORIZATION

Certificate of Authorization

SOUTH CAROLINA — REGISTERED PROFESSIONAL ENGINEER — NO. 16685 — SAMUEL C. STEPHENS — 6-5-2025

Professional Engineer's Seal

Revision No.: 0

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Signature: Samuel C Stephens

Date: 6-5-2025

Form Version: July 1, 2021