

Fire Protection Sprinkler System Specification Sheet

(Per 843-43-750)

Project Data

Project name: Swain Boating Center (at The Citadel)
 Location in South Carolina: Address (street & street name): 11 Hammond Avenue City: Charleston, SC County: Charleston State project #: H09-9617-PG-C

Water Supply Information
 (flow test data must be less than 1 year old per 740-10-290.43C1)

Date test conducted: 07/06/2018 Static pressure (psig): 30 Residual pressure (psig): 25 Flow (gpm): 711
 Distances of test gauges relative to the base of the fire: Horizontal (ft): 220 Vertical (elevation difference in ft): -2.5'

Source of water supply: Municipal dead-end Municipal circulation Other Pipe Size (in.):

Test data by/for: Name: Jay Sowerby Title: Inspector
 Organization: Liberty Fire Protection Telephone #:

Fire pump: Yes No Pump Capacity (gpm): 400 Churn Pressure (psig): 120
 New Existing Rated Pressure (psig): 190 Pressure @ 150% flow (psig):

On-site storage tank: Yes No New Existing Tank capacity (gallons): N/A

NFPA Hazard Classification
 (attach continuation page when necessary)

Area #	Class or Code Reference	Description of Hazard Protected
1	Light Hazard	Administrative Office
2	Ordinary-1	Catering Kitchen
3	Ordinary-2	Heat Storage

Design Parameters
 (attach continuation page when necessary)

Area #	System Type	Density (gpm/ft ²)	Area (sq ft) or Other	Inside Hose	Outside Hose
1	Wet Pipe	0.10 gpm/ft ²	1250 sq ft	-0-	100
2	Wet Pipe	0.15 gpm/ft ²	1500 sq ft	-0-	250
3	Dry Pipe	0.15 gpm/ft ²	1250 sq ft	-0-	250

Seismic Design Data: See 1.155

Codes and Standards
 (attach continuation page when necessary)

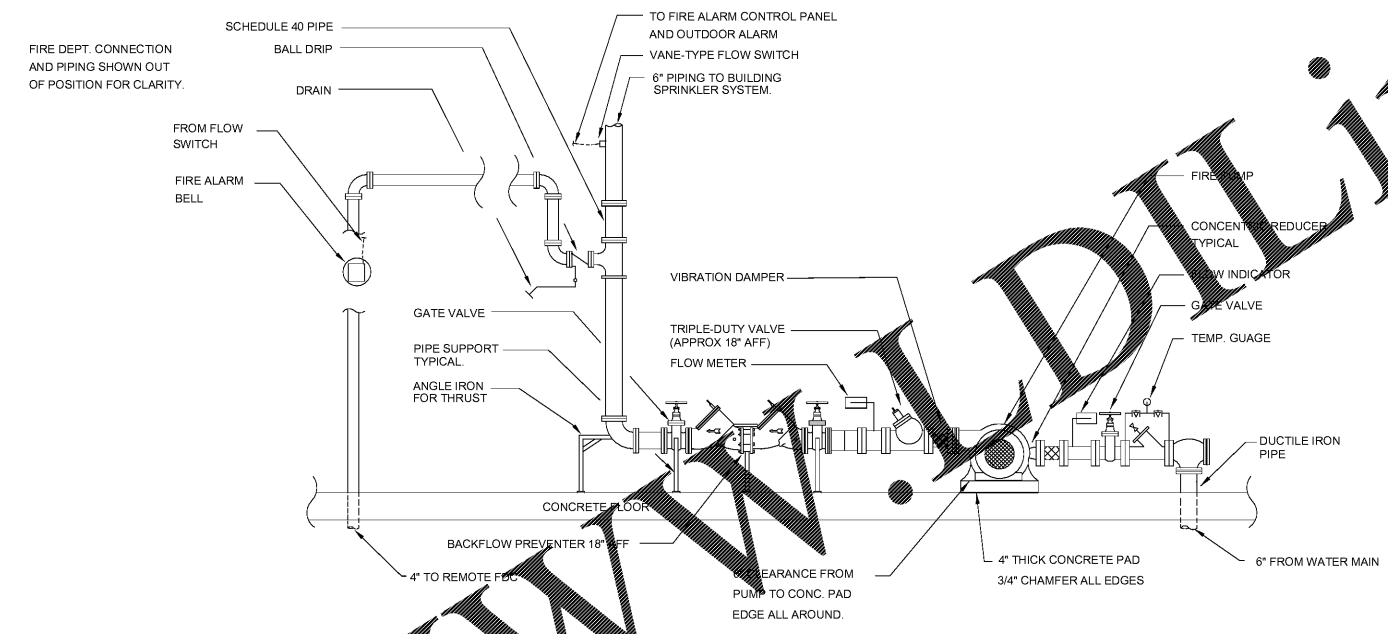
Applicable Codes, Standards, & Editions (see 2203 B.C., 2007 NFPA 117, etc.) for the Scope of Work on the Sprinkler System
 NFPA 13 - 2013 Edition, S.C.B.C. - 2015 Edition, S.C.P.C. - 2015 Edition

Scope of Work:
 New Interior Wet Pipe Sprinkler System starting at the flange 12-inches above floor, in-line fire pump and controller, sprinkler riser and distribution system to include fire department connection, standpipes and exterior wet heads.

Specifier's Information

Name: Christopher J. Constantine
 Engineering services provided through a firm: Yes No
 Firm name: Constantine Engineering Associates, LLC
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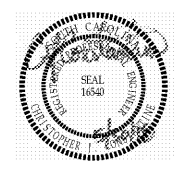
Certificate of Authorization: Professional Engineer Seal
 Signature: Christopher J. Constantine
 Date: 06/26/2018



① FIRE PUMP DETAIL
 NO SCALE

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BOATING CENTER REDEVELOPMENT - SWAIN BOATING CENTER H09-9617-PG-C

THE CITADEL
 11 HAMMOND AVENUE
 CHARLESTON, SC

Revisions	
Rev. No.	Rev. Date

DRAWN BY: TJR
 CHECKED BY: CJC
 DATE: 06.01.2018

COAST PROJECT NO: 17-069

FIRE SPRINKLER DETAILS

1.F201

BID DOCUMENTS