

ASBESTOS PROTECTION NOTES

PHASE A WORK - NOTE TO CONTRACTORS:

- NO PENETRATIONS OR ATTACHMENTS TO THE EXISTING GYPSUM BOARD PARTITIONS WILL BE ALLOWED ONCE THE ASBESTOS ABATEMENT HAS BEEN COMPLETED BY THE ABATEMENT CONTRACTOR.
- THE CONTRACTOR SHALL NOT COME IN CONTACT WITH THE GYPSUM BOARD MATERIAL THAT IS TO REMAIN IN PLACE AFTER THE PARTIAL ABATEMENT OF ASBESTOS FROM THE CORRIDOR PARTITIONS ON THE EXISTING FLOORS 2 THRU 18 AND OTHER PARTITIONS ON THE BASEMENT AND GROUND LEVELS. CONTAMINATION OF THESE SPACES CAUSED BY DAMAGE TO THE GYPSUM BOARD MATERIAL SHALL BE CLEANED UP AT THE CONTRACTOR'S EXPENSE, INCLUDING BUT NOT LIMITED TO, COSTS ASSOCIATED WITH CLEARING THESE SPACES FOR RE-ACCESS, I.E. AIR SAMPLING.

PHASE B WORK - NOTE TO CONTRACTORS:

- DURING THE PROCESS OF INSTALLING HANGERS, SOFFITS, FAN COILS, METAL PAN COVERS, NEW PARTITIONS OR ANY OTHER MATERIAL OR EQUIPMENT AT THE CEILING OF THE EXISTING RESIDENT ROOMS ON FLOORS 2 THRU 18, THE CONTRACTOR SHALL NOT COME IN CONTACT WITH THE SPRAY APPLIED TEXTURED CEILING MATERIAL THAT IS TO REMAIN IN PLACE AFTER THE PARTIAL ABATEMENT OF ASBESTOS FROM THE CEILINGS. CONTAMINATION OF THESE SPACES CAUSED BY DAMAGE TO THE CEILING MATERIAL SHALL BE CLEANED UP AT THE CONTRACTOR'S EXPENSE, INCLUDING BUT NOT LIMITED TO, COSTS ASSOCIATED WITH CLEARING THESE SPACES FOR RE-ACCESS, I.E. AIR SAMPLING.
- DURING THE PROCESS OF INSTALLING UL RATED RACEWAYS AT CORRIDOR WALL PENETRATIONS, INSTALLATION OF NEW PARTITIONS, THE CONTRACTOR SHALL NOT DISTURB THE EXISTING GYPSUM BOARD IN ANY FASHION. NO PENETRATIONS OR ATTACHMENTS TO THE EXISTING GYPSUM BOARD PARTITIONS WILL BE ALLOWED ONCE THE ASBESTOS ABATEMENT HAS BEEN COMPLETED BY THE ABATEMENT CONTRACTOR.

PHASING NOTES

PHASE A:
PHASE A WILL CONSIST OF WORK IN THE BASEMENT, GROUND FLOOR, FIRST FLOOR, AND THE CORE AREAS OF THE TYPICAL FLOORS. CEILING REMOVAL AND INSTALLATION OF NEW CEILING SHALL BE COORDINATED AROUND EXISTING SPRINKLER HEADS. NO CEILING HEIGHT OR FLOOR PLAN CHANGES ARE ANTICIPATED IN THESE AREAS. THE ONLY WORK IS THE SCOPE INDICATED IN THE EXISTING CHASE.

PHASE B:
PHASE B WILL CONSIST OF WORK IN THE RESIDENCE ROOMS ON THE TYPICAL FLOORS. THE MAJORITY OF THE FIRE PROTECTION WORK WILL OCCUR DURING THIS PHASE.

SPECIAL NOTES

- EXISTING INSPECTOR'S TEST AND AUXILIARY DRAIN ARE CONNECTED TO EXISTING STEEL PIPE BEING REMOVED. FIRE PROTECTION CONTRACTOR SHALL EXTEND PIPING TO EXISTING STORM DRAIN LINE AND CONNECT. ROUTE PIPING TO AVOID CONFLICT WITH OTHER UTILITIES AND SERVICES IN CHASE.
- EXISTING SIDEWALL HEAD TO BE REMOVED.

GENERAL NOTES

- SUBMIT DRAWINGS INDICATING EXACT LOCATION OF ALL SPRINKLER HEADS FOR ARCHITECTS REVIEW AND BRING ALL FIELD CONFLICTS AND REQUIRED ADJUSTMENTS TO THE ARCHITECTS ATTENTION FOR VERIFICATION OF FINAL LOCATION OF ALL SPRINKLER HEADS.
- SPRINKLER DRAWINGS PROVIDED ARE TO ASSIST THE CONTRACTOR. SUCCESSFUL CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF SHOP DRAWINGS AND INSTALLATION OF A COMPLETE SYSTEM PER THE SCOPE INDICATED ON THESE PLANS AND SPECIFICATIONS AND IN COMPLIANCE WITH ALL APPLICABLE CODES. SEE SPECIFICATIONS FOR SHOP DRAWING REQUIREMENTS.
- THE DESIGN TEAM TO INSURE COMPATIBILITY WITH THE BUILDING DESIGN INTENT, WILL CAREFULLY REVIEW SPRINKLER PLANS. CORRECTIONS WILL BE MADE BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- NEW SPRINKLER PIPING SHALL BE INSTALLED TO MEET SEISMIC REQUIREMENTS AS REQUIRED BY NFPA AND INTERNATIONAL BUILDING CODES.
- WHERE PIPING IS TO BE RUN EXPOSED, CARE SHALL BE TAKEN TO MINIMIZE THE ABILITY OF THE BUILDING OCCUPANTS TO TOUCH, HANG FROM, OR OTHERWISE VANDALIZE THE FIRE PROTECTION SYSTEM.
- ALL NEW SPRINKLER PIPING SHALL BE SCHEDULE 40 STEEL PIPING.
- SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR ALL METAL SOFFITS AND HEIGHTS ABOVE FINISHED FLOOR.

Fire Protection Sprinkler System Specification Sheet

(Per 440-10-250)

Project Data

Project name: South Tower Mechanical Renovations
 Location in South Carolina: Address: tower # & street name: 614 Bull Street
 City: Columbia
 County: Richland
 State project #: H27-6082-NA

Water Supply Information
 (flow test data must be less than 1 year old per 440-10-250(A)(1))

Date test conducted: 05/23/2011
 State pressure (psi): N/A
 Residual pressure (psi): N/A
 Flow (gpm): N/A

Distances of test gauges relative to the base of the riser: Horizontal (ft): N/A
 Vertical (elevation difference in ft): N/A

Source of water supply: Municipal stand-stn Municipal circulation Other
 Pipe Size (in.): 6"

Test data by/for: Name: Robert A. Davis
 Title: Not Provided
 Organization: Palmetto Automatic Sprinkler Company
 Telephone #: (803)794-1602

Fire pump: Yes No
 Pump Capacity (gpm): 500
 Churn Pressure (psi): 174
 New Existing
 Rated Pressure (psi): 150
 Pressure @ 150% flow (psi): 143

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 (commodity description, storage height, and arrangement as applicable)
1	Light Hazard	Dormitory Rooms, Community Rooms

Design Parameters
 (attach continuation page when necessary)

Area #	System Type	Density (gpm/ft ²) / Area (ft ²) or Other (reference code section)	Inside Hose (gpm)	Outside Hose (gpm)
1	Wet	0.10/1500	0	100

Seismic Design Data: S_s=0.41 (provided by structural engineer of record)

Codes and Standards
 (attach continuation page when necessary)

Applicable Codes, Standards & Editions (i.e. "2006 IBC", "2007 NFPA 13", etc.) for the Scope of Work on the Sprinkler System
 International Building Codes - 2009 Edition
 NFPA 13 - 2010 Edition

Scope of work (such as sprinkler system A.G. from 1'-0" A.F.F. U.G. from top to 5'-0" outside, etc.) and notes (attach continuation page when necessary):
 Renovation of existing system to accommodate mechanical renovation including fan coil units, soffits and new ceilings.

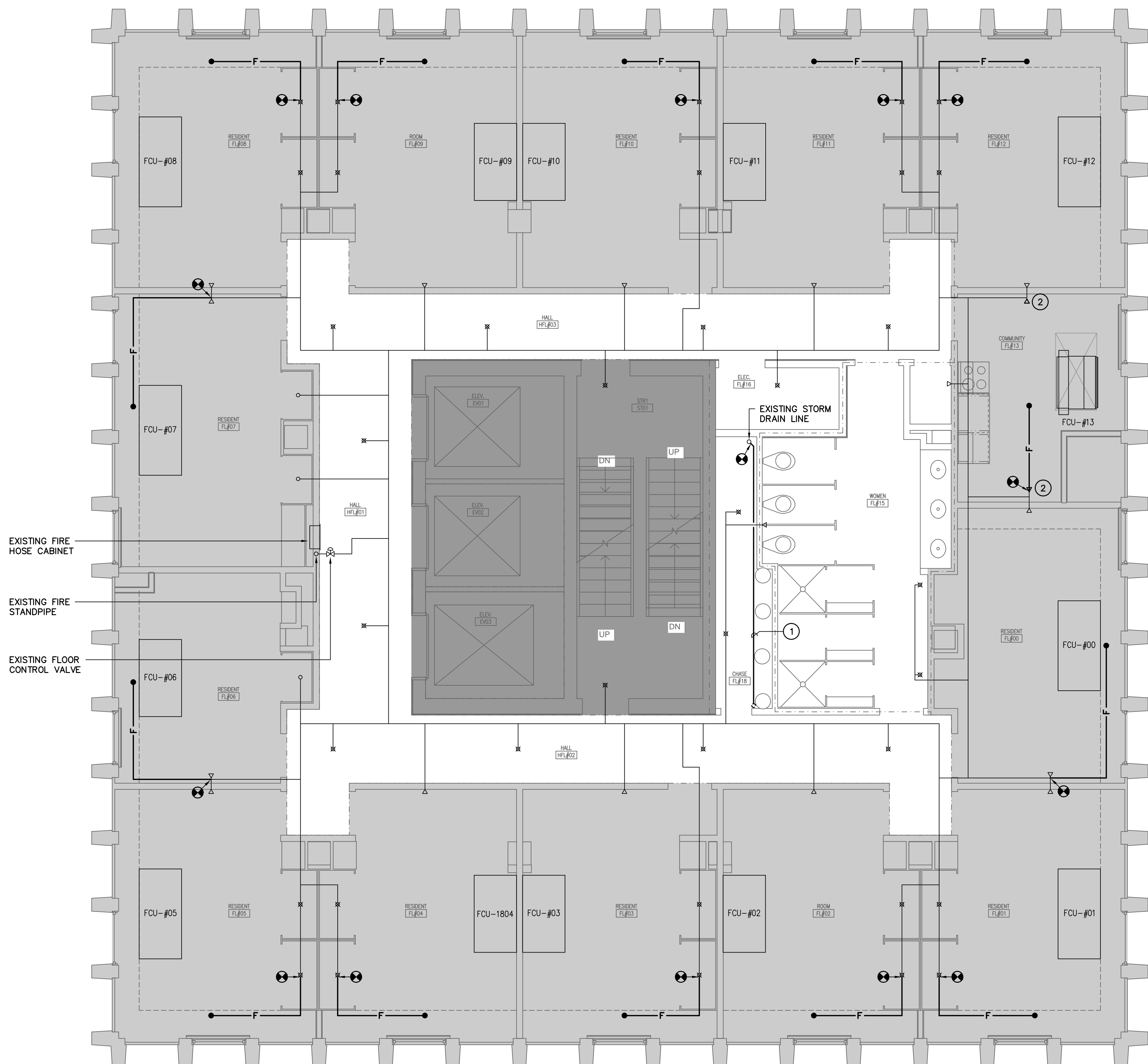
Specifier's Information

Name: Todd F. Swygert, P.E.
 Engineering services provided through a firm: X Yes No
 Firm name: Swygert and Associates, Ltd.
 Address: Post Office Box 11686
 City: Columbia
 State: South Carolina
 Zip: 29211
 Phone #: (803)791-9300
 Fax #: (803)791-0830
 E-mail: todd@swygert-associates.com

Certificate of Authorization
 Professional Engineer's Seal
 Signature: Todd F. Swygert
 Date: 2-23-12

Revision No.: 0
 Page 1 of 1

Form: Fire Sprinkler Specification Sheet
 (Download latest at <http://www.llr.state.sc.us/final/index.asp?file=forms.htm>)



PHASING LEGEND

- WORK SHOWN IN SHADED AREAS IS INDICATED TO BE COMPLETED IN PHASE B, SUMMER 2013
- NO WORK IN DARK SHADED AREAS

LEGEND

- EXISTING SIDEWALL HEAD
- EXISTING UPRIGHT HEAD
- EXISTING RECESSED PENDENT HEAD
- NEW FLAT PLATE CONCEALED PENDENT HEAD WITH EXPANSION PLATE
- CONNECTION POINT OF NEW TO EXISTING

1 TYPICAL FLOOR PLAN (LEVEL 2-18)
 FPI.1A SCALE: 1/4" = 1'-0"

Swygert & Associates
 CONSULTING ENGINEERS

111686
 Post Office Box 11686
 Columbia, S.C. 29211
 Telephone: (803) 791-0830
 Fax: (803) 791-0830
 mol@swygert-associates.com

SOUTH TOWER MECHANICAL RENOVATIONS
 UNIVERSITY OF SOUTH CAROLINA
 STATE PROJECT NUMBER H27-6082-NA
 BID DOCUMENTS

PROJECT TITLE: SOUTH TOWER MECHANICAL RENOVATIONS
 CHECKED BY: WCL
 DRAWN BY: DEM
 DATE: 03/15/12
 DESCRIPTION: TYPICAL FLOOR PLAN (LEVEL 2-18) AND NOTES - PHASE A

THIS DRAWING AND THE DESIGN OF THE SYSTEM IS THE PROPERTY OF SWYGERT & ASSOCIATES, INC. NO PART OF THIS DRAWING OR THE DESIGN SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF SWYGERT & ASSOCIATES, INC. ANY VIOLATION WILL BE SUBJECT TO LEGAL ACTION.

SHEET TITLE: TYPICAL FLOOR PLAN (LEVEL 2-18) AND NOTES - PHASE A
 SHEET: FP1.1A

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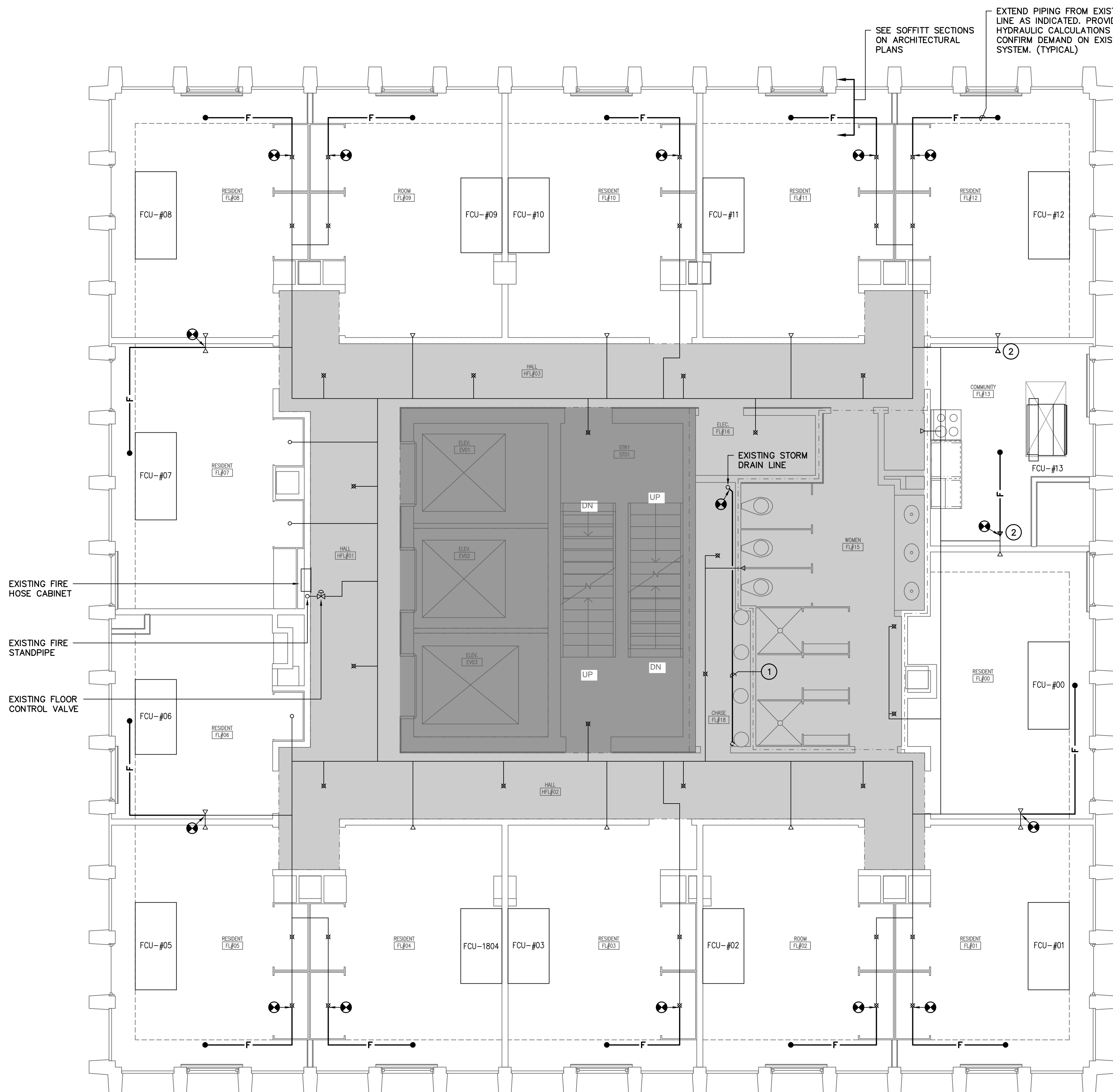
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Certificate of Authorization
 Professional Engineer's Seal
 No. 11574

Revision No.: 0
 Page 1 of 1
 Signature: Todd F. Swygert
 Date: 2-23-12

Form: Fire Sprinkler Specification Sheet
 (Download latest at <http://www.ltr.state.sc.us/final/index.asp?file=Forms.htm>)



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LEGEND

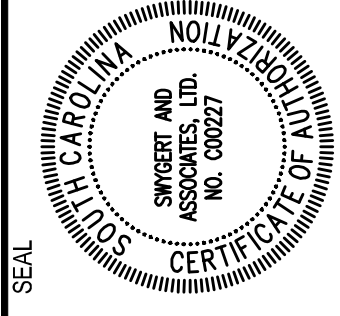
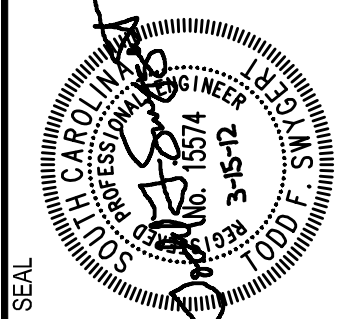
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SOUTH TOWER
 MECHANICAL RENOVATIONS
 UNIVERSITY OF SOUTH CAROLINA
 STATE PROJECT NUMBER H27-6082-NA
 BID DOCUMENTS

DATE	DESCRIPTION	BY	DATE	DESCRIPTION	BY
03/15/12	03/15/12	WCL			
		DEM			
		DRG			
		DATE			

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TYPICAL FLOOR PLAN (LEVEL 2-18) AND NOTES - PHASE B

FP1.1B