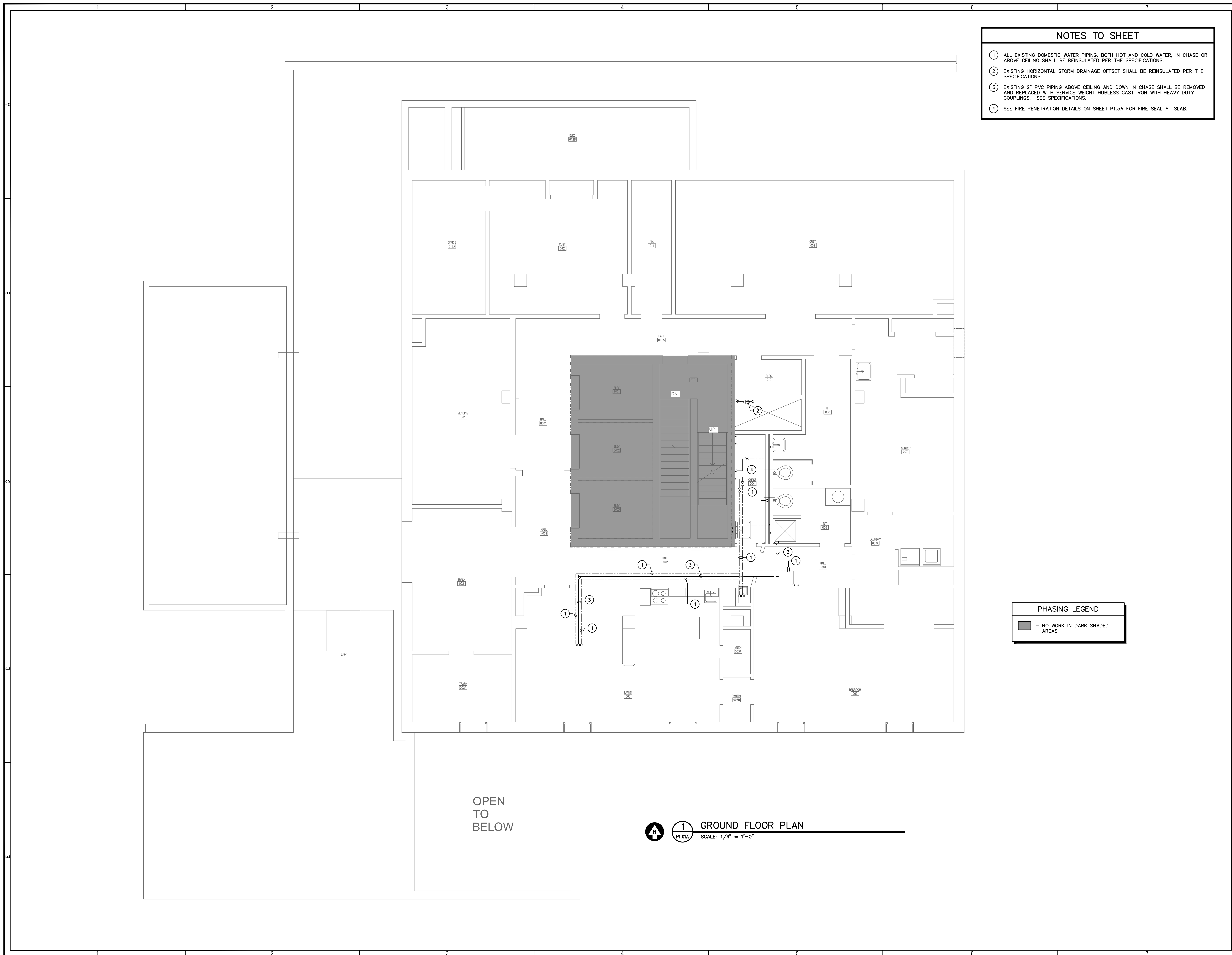


NOTE:
COORDINATE EXACT LOCATION
OF FLOOR DRAINS WITH HVAC
PUMPS.

PHASING LEGEND
 ■ - NO WORK IN DARK SHADED
 AREAS

1 BASEMENT FLOOR PLAN
 SCALE: 1/4" = 1'-0"

		<p>Swygert & Associates CONSULTING ENGINEERS</p> <p>204 Swygert & Assoc. Ltd. Telephone: (803) 791-0850 204 Swygert & Assoc. Ltd. Telephone: (803) 791-0850 Columbia, S.C. 29211 mcl@swygert-associates.com</p>
<p>SOUTH TOWER MECHANICAL RENOVATIONS UNIVERSITY OF SOUTH CAROLINA STATE PROJECT NUMBER H27-6082-NA BID DOCUMENTS</p>		
<p>DATE: 03/15/12</p>	<p>CHECKED BY: WCL</p>	<p>PROJECT TITLE</p>
<p>DESCRIPTION</p>	<p>DATE</p>	<p>DATE</p>
<p>REV.</p>	<p>DATE</p>	<p>DATE</p>
<p>THIS DRAWING AND THE DESIGN THEREOF ARE THE PROPERTY OF SWYBERT & ASSOCIATES, INC. NO PART OF THIS DRAWING OR THE DESIGN THEREOF SHALL BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF SWYBERT & ASSOCIATES, INC. ANY VIOLATION WILL BE SUBJECT TO LEGAL ACTION.</p>		
<p>BASEMENT FLOOR PLAN - PHASE A</p>		
<p>P1.00A</p>		



- NOTES TO SHEET**
- ① ALL EXISTING DOMESTIC WATER PIPING, BOTH HOT AND COLD WATER, IN CHASE OR ABOVE CEILING SHALL BE REINSULATED PER THE SPECIFICATIONS.
 - ② EXISTING HORIZONTAL STORM DRAINAGE OFFSET SHALL BE REINSULATED PER THE SPECIFICATIONS.
 - ③ EXISTING 2" PVC PIPING ABOVE CEILING AND DOWN IN CHASE SHALL BE REMOVED AND REPLACED WITH SERVICE WEIGHT HUBLESS CAST IRON WITH HEAVY DUTY COUPLINGS. SEE SPECIFICATIONS.
 - ④ SEE FIRE PENETRATION DETAILS ON SHEET P1.5A FOR FIRE SEAL AT SLAB.

PHASING LEGEND

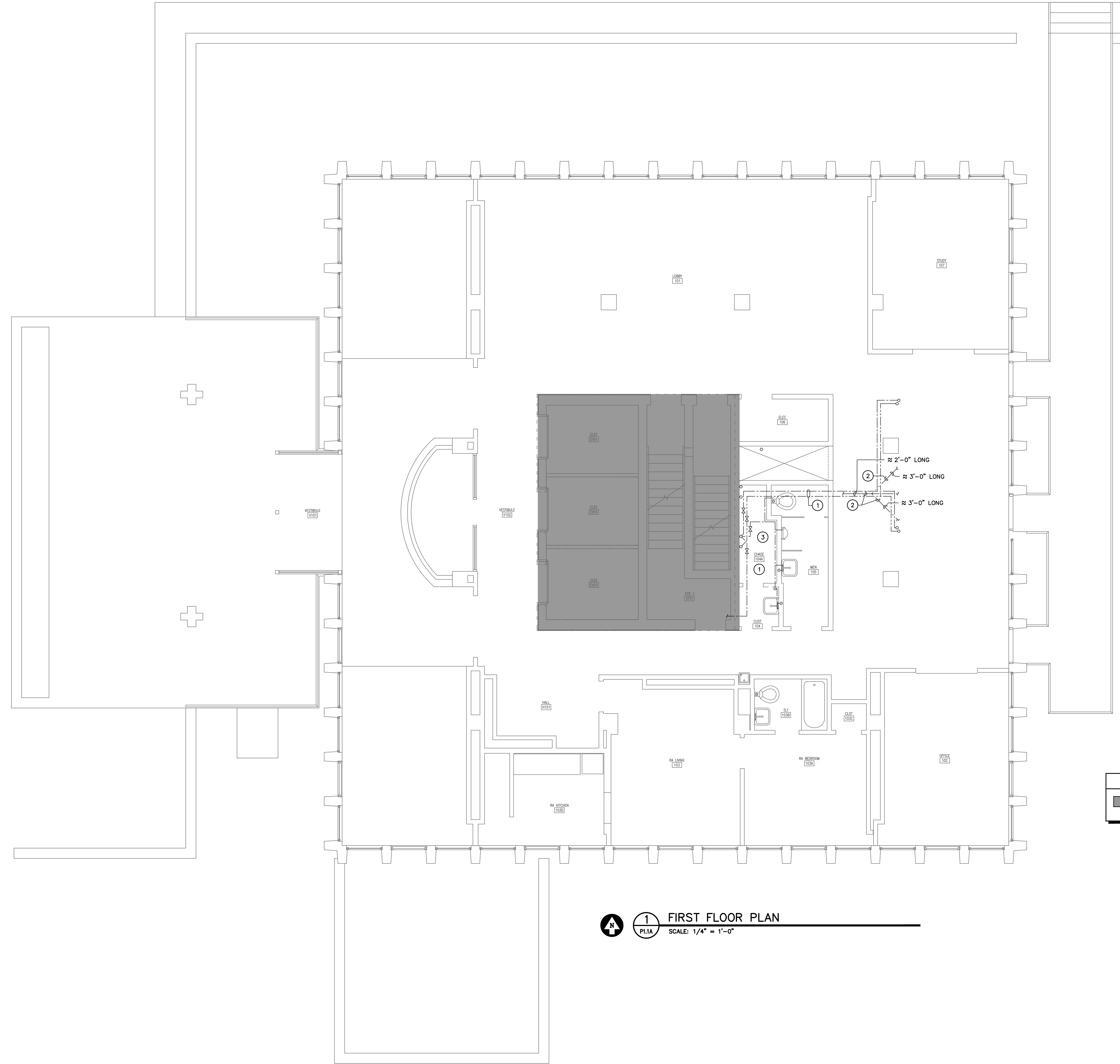
■ — NO WORK IN DARK SHADED AREAS

1 **GROUND FLOOR PLAN**
 P1.01A SCALE: 1/4" = 1'-0"

OPEN TO BELOW

	<p>Swygort & Associates CONSULTING ENGINEERS</p> <p>204 Swygort & Assoc. Ltd. Telephone: (803) 791-0850 111866 Columbia, S.C. 29211 mcl@swygort-associates.com</p>																														
	<p>SOUTH TOWER MECHANICAL RENOVATIONS UNIVERSITY OF SOUTH CAROLINA STATE PROJECT NUMBER H27-6082-NA BID DOCUMENTS</p>																														
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">DRAWING</th> <th style="width: 10%;">DATE</th> <th style="width: 10%;">DESCRIPTION</th> <th style="width: 10%;">CHECKED BY</th> <th style="width: 10%;">TFS</th> </tr> </thead> <tbody> <tr> <td>11380-P1.01A</td> <td>03/15/12</td> <td></td> <td></td> <td></td> </tr> <tr> <td>REV.</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	DRAWING	DATE	DESCRIPTION	CHECKED BY	TFS	11380-P1.01A	03/15/12				REV.					<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">DRAWN BY</th> <th style="width: 10%;">DEM</th> <th style="width: 10%;">DATE</th> <th style="width: 10%;">DRAWN BY</th> <th style="width: 10%;">TFS</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	DRAWN BY	DEM	DATE	DRAWN BY	TFS										
DRAWING	DATE	DESCRIPTION	CHECKED BY	TFS																											
11380-P1.01A	03/15/12																														
REV.																															
DRAWN BY	DEM	DATE	DRAWN BY	TFS																											
THIS DRAWING AND THE DESIGN OF SWYGORT & ASSOCIATES, INC. IS THE PROPERTY OF SWYGORT & ASSOCIATES, INC. NO PART OF THIS DRAWING OR USE OF THE INFORMATION CONTAINED HEREIN IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF SWYGORT & ASSOCIATES, INC. ANY VIOLATION WILL BE SUBJECT TO LEGAL ACTION.	<p style="font-size: 12px;">SHEET TITLE</p> <p style="font-size: 18px; font-weight: bold;">GROUND FLOOR PLAN - PHASE A</p> <p style="font-size: 12px;">SHEET:</p> <p style="font-size: 24px; font-weight: bold;">P1.01A</p>																														

- NOTES TO SHEET**
- 1 ALL EXISTING DOMESTIC WATER PIPING, BOTH HOT AND COLD WATER, IN CHASE OR ABOVE CEILING SHALL BE REINSULATED PER THE SPECIFICATIONS.
 - 2 EXISTING SECTION OF 2" PVC PIPING AND FITTINGS ABOVE CEILING (SHOWN APPROXIMATE) SHALL BE REMOVED AND REPLACED WITH SERVICE WEIGHT HUBLESS CAST IRON WITH HEAVY DUTY COUPLINGS. SEE SPECIFICATIONS.
 - 3 SEE FIRE PENETRATION DETAILS ON SHEET P1.5A FOR FIRE SEAL AT SLAB.



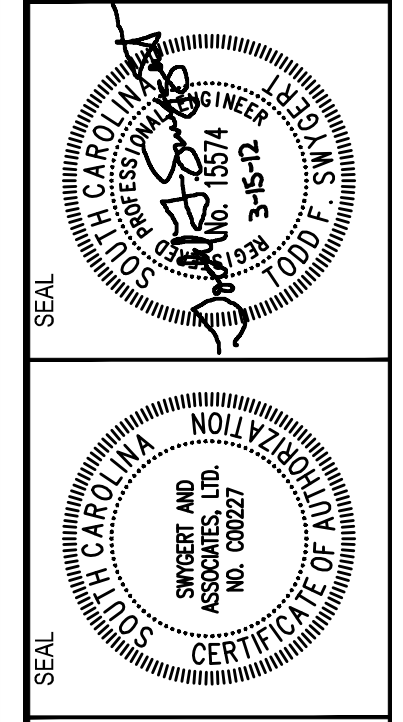
PHASING LEGEND

■ - NO WORK IN DARK SHADED AREAS

1 FIRST FLOOR PLAN
 P1.1A SCALE: 1/4" = 1'-0"

Swygert & Associates
 CONSULTING ENGINEERS

204 Swygert & Assoc. Ltd. Telephone: (803) 791-0850
 1000 North Main Street, Suite 11186 Telephone: (803) 791-0850
 Columbia, S.C. 29211 mc@swygert-associates.com



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

DRAWING NO.	DATE	DESCRIPTION	CHECKED BY		DRAWN BY	
			TFS	DEM	REV.	DATE
11360-P1_1A	03/15/12					

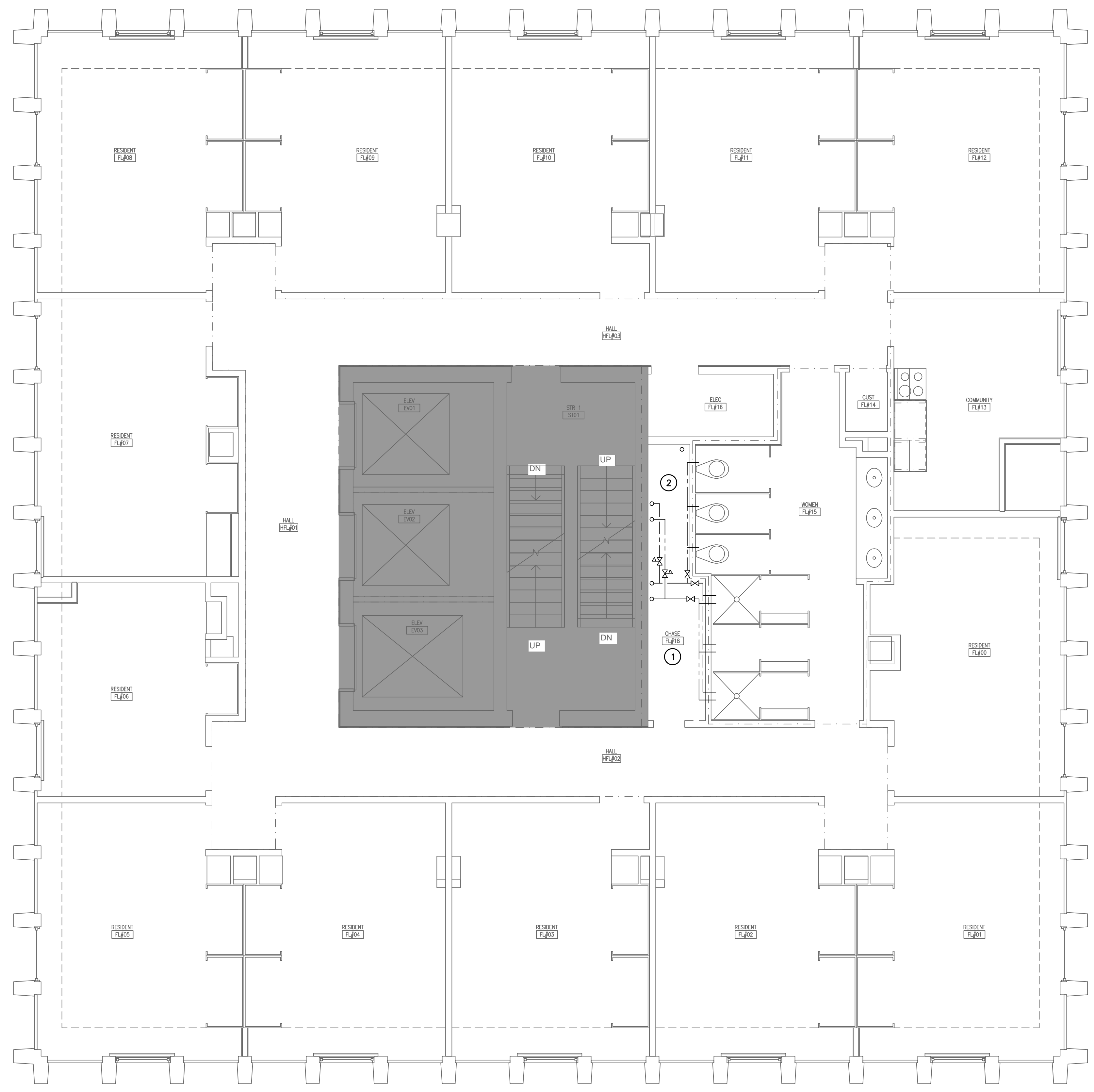
THIS DRAWING AND THE DESIGN THEREON ARE THE PROPERTY OF SWYBERT & ASSOCIATES, INC. NO PART OF THIS DRAWING OR DESIGN IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF SWYBERT & ASSOCIATES, INC. ANY VIOLATION OF THIS NOTICE WILL BE SUBJECT TO LEGAL ACTION.

FIRST FLOOR PLAN - PHASE A

P1.1A

NOTES TO SHEET

- ALL EXISTING DOMESTIC WATER PIPING, BOTH HOT AND COLD WATER, IN CHASE SHALL BE REINSULATED PER THE SPECIFICATIONS.
- SEE FIRE PENETRATION DETAILS ON SHEET P1.5A FOR FIRE SEAL AT SLAB.



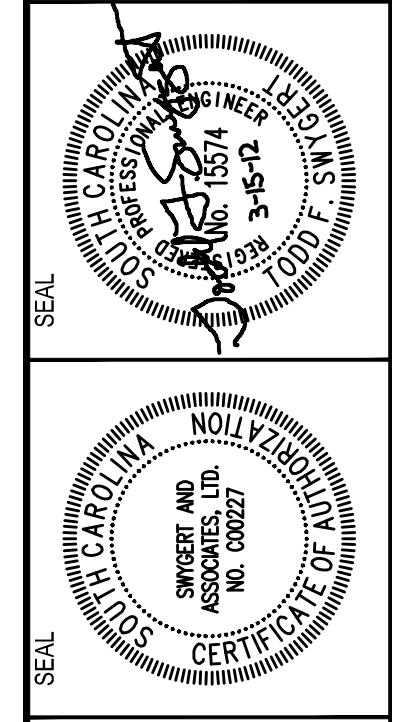
NOTE:
ON FLOORS 4, 9, AND 14 THE DOMESTIC WATER PIPING EXTENDS OVER TO THE JANITOR'S CLOSET AND THIS PIPING SHALL BE REINSULATED AS WELL. SEE PIPING ON P1.2A (FIRST FLOOR PLAN) FOR APPROXIMATE ROUTING.

PHASING LEGEND

■ - NO WORK IN DARK SHADED AREAS

1 TYPICAL FLOOR PLAN (LEVEL 2 - 17)
P1.2A SCALE: 1/4" = 1'-0"

Swygert & Associates
CONSULTING ENGINEERS
204 Swygert & Assoc. Ltd. Telephone: (803) 791-0850
1000 Orangeburg Road, Suite 1100 Telephone: (803) 791-0850
Columbia, S.C. 29211 Fax: (803) 791-0850
mcl@swygert-associates.com



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

DATE	DESCRIPTION	BY	CHECKED BY
03/15/12			TFS
			DEM
			DRG. BY
			DATE

THIS DRAWING AND THE DESIGN THEREON ARE THE PROPERTY OF SWYBERT & ASSOCIATES, INC. NO PART OF THIS DRAWING OR DESIGN IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF SWYBERT & ASSOCIATES, INC. ANY VIOLATION WILL BE SUBJECT TO LEGAL ACTION.

TYPICAL FLOOR PLAN
(LEVEL 2 - 17) - PHASE A

P1.2A

PLUMBING FIXTURE SCHEDULE							
P. NO.	FIXTURE	MFR.	NAME	MFRS. NO.	SIZE	MIN. SUPPLY	REMARKS
						CW	
FD	FLOOR DRAIN	ZURN	---	ZN-541	---	---	WITH 12" ROUND STRAINER, AND TRAP GUARD BY PROSET, OR APPROVED EQUAL.
RD	ROOF DRAIN	ZURN	---	Z-121-C	---	---	WITH 12" CAST IRON DOME AND CLAMPING COLLAR.

NOTES TO SHEET

① EXISTING ROOF DRAIN SHALL BE REMOVED AND REPLACED WITH NEW 4" ROOF DRAIN IN NEW ROOF. SEE GENERAL NOTE 6.

PHASING LEGEND

■ - NO WORK IN DARK SHADED AREAS

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:

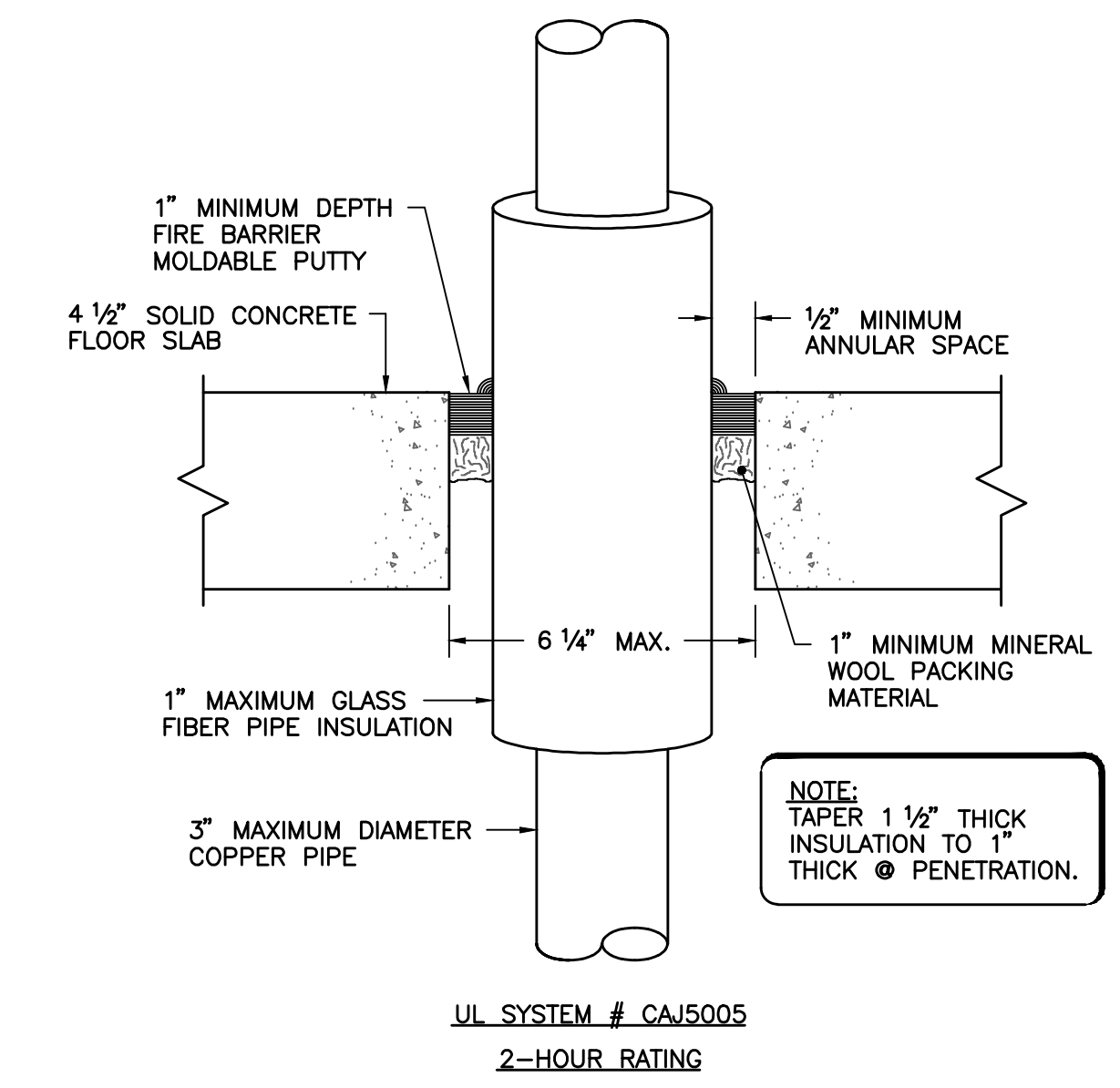
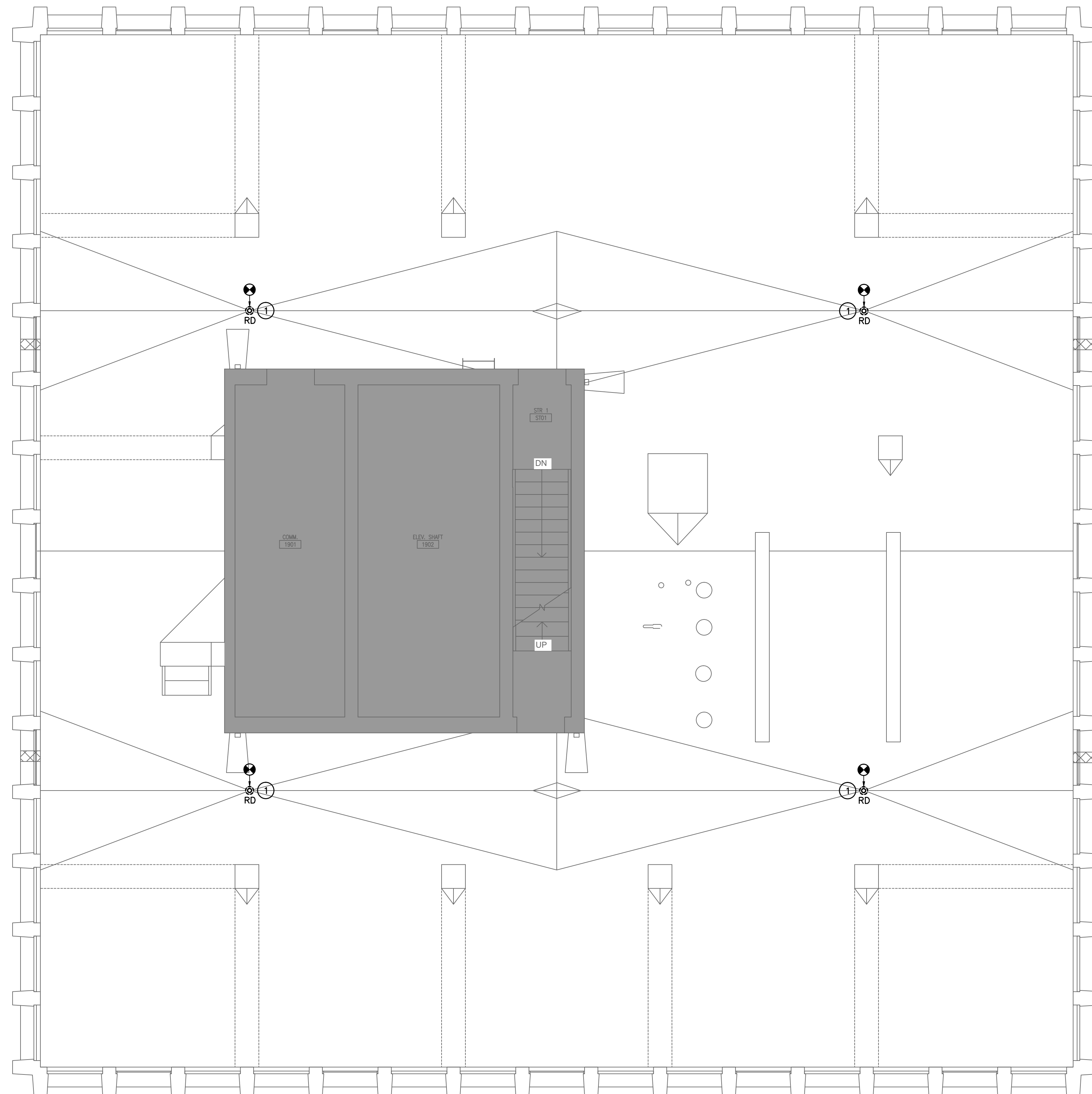
- DURING THE PROCESS OF INSTALLING HANGERS, SOFFITS, FAN COILS, METAL PAN COVERS, NEW PARTITIONS OR ANY OTHER MATERIAL OR EQUIPMENT AT THE CEILING OF THE EXISTING RESIDENT ROOMS ON FLOORS 2 THRU 18, THE CONTRACTOR SHALL NOT COME IN CONTACT WITH THE SPRAY APPLIED TEXTURED CEILING MATERIAL THAT IS TO REMAIN 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.

GENERAL NOTES

- THIS CONTRACTOR SHALL, PRIOR TO BIDDING, VISIT SITE AND DETERMINE SCOPE OF WORK AND POINTS OF CONNECTION FOR NEW WORK.
- ALL WORK SHALL BE PERFORMED ACCORDING TO ALL LOCAL, STATE, NATIONAL CODES, AND THE 2009 INTERNATIONAL PLUMBING CODE.
- DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS, FIXTURE LOCATIONS, ETC.
- COORDINATE CLOSELY WITH ALL WORK DONE UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE AND CONFLICT.
- ALL PIPING INSULATION SHALL BE RUN CONTINUOUSLY.
- THIS CONTRACTOR SHALL MAKE ALL CONNECTIONS TO ROOF DRAINS INSTALLED BY GENERAL CONTRACTOR. PLUMBING CONTRACTOR SHALL FURNISH ROOF DRAINS TO GENERAL CONTRACTOR FOR INSTALLATION BY OTHERS WITH INSTALLATION OF NEW ROOF.
- EXISTING FLOOR SLAB SHALL BE "SAW-CUT" FOR INSTALLATION OF NEW STORM DRAIN LINES. THIS CONTRACTOR SHALL PATCH AND FILL AND PROVIDE FOR CONCRETE FINISH. SEE SPECIFICATION SECTION 033000.
- PLUMBING INSULATION SHALL BE PERFORMED BY AN INDEPENDENT INSULATION CONTRACTOR. SEE SPECIFICATION SECTION 2200700.
- EXISTING INFORMATION TAKEN FROM OWNERS RECORD SET OF DRAWINGS DATED JULY 15, 1964.

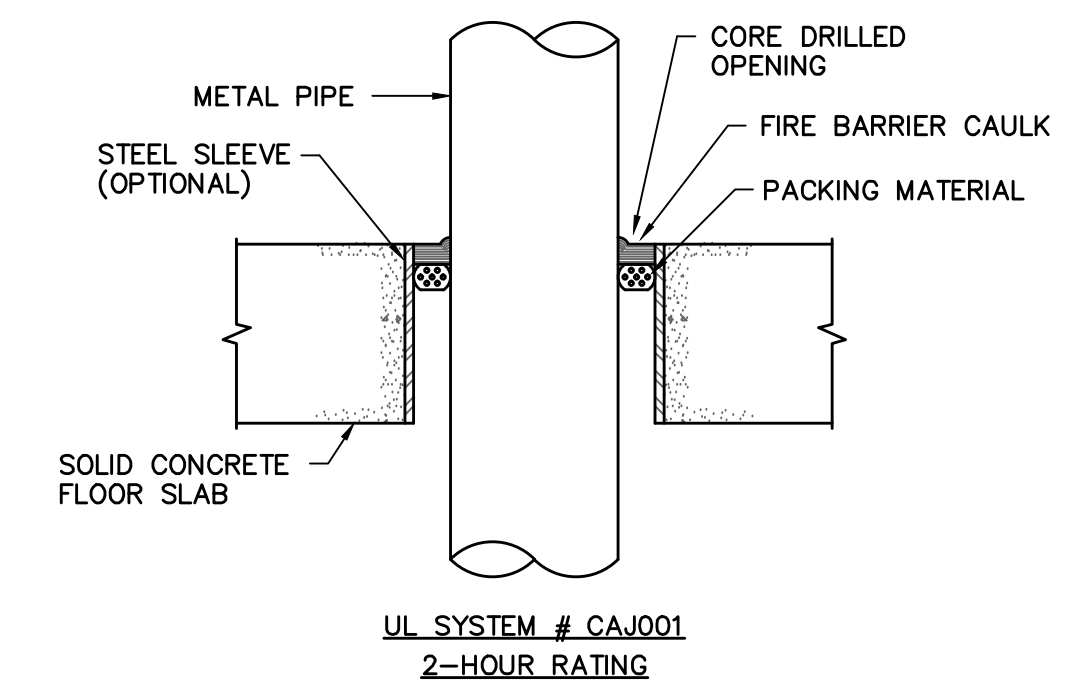
LEGEND

SYMBOL	DESCRIPTION
	SANITARY WASTE LINE
	DOMESTIC COLD WATER LINE
	DOMESTIC HOT WATER LINE
	STORM DRAIN LINE
	SHUTOFF VALVE
	PIPE TURNS TO AWAY
	FLOOR CLEANOUT
	CONNECTION POINT OF NEW TO EXISTING



PENETRATION FIRESTOP FOR 3" MAXIMUM DIAMETER INSULATED COPPER PIPE THROUGH A CONCRETE FLOOR

NO SCALE



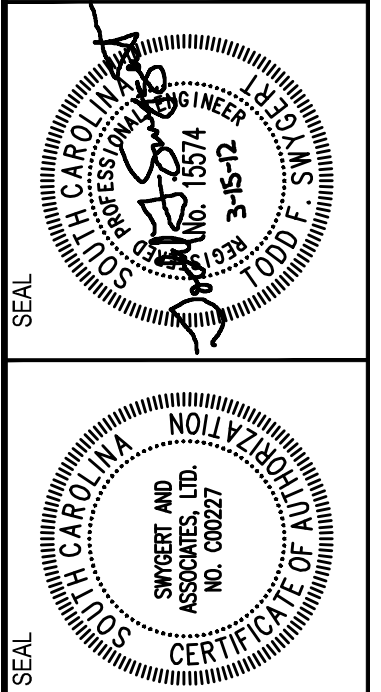
PENETRATION FIRESTOP FOR 10" MAXIMUM DIAMETER METAL PIPE THROUGH A SOLID CONCRETE FLOOR

NO SCALE

ROOF PLAN
SCALE: 1/4" = 1'-0"

Swygert & Associates
CONSULTING ENGINEERS

204 Swygert & Associates, Ltd.
111866
Columbia, S.C. 29211
Telephone: (803) 791-0850
Facsimile: (803) 791-0850
mcl@swygert-associates.com



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

PROJECT TITLE

CHECKED BY:	WCL
DRAWN BY:	DEM
DATE:	03/15/12
DESCRIPTION:	

THIS DRAWING AND THE DESIGN OF THE WORK SHOWN HEREON ARE THE PROPERTY OF SWYGERT & ASSOCIATES, LTD. NO PART OF THIS DRAWING OR THE DESIGN HEREON SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF SWYGERT & ASSOCIATES, LTD. ANY INFRINGEMENT WILL BE SUBJECT TO LEGAL ACTION.

ROOF PLAN - PHASE A, DETAILS, NOTES, SCHEDULE, AND LEGEND

P1.4A