

ADDENDUM NUMBER ONE

**University of South Carolina
Elevator Installation and Tunnel Improvements**

**Owner's Project Number: H-27-Z010
Architect's Project Number: U-747-12-3**

COLUMBIA, SOUTH CAROLINA

PREPARED BY:

The Boudreaux Group, P.O. Box 5695 Columbia, SC 29250

DATE OF ISSUE: January 16, 2014

TO: ALL BIDDERS OF RECORD

The following items shall take precedence over the drawings and specifications for the above named project and shall become a part of the contract documents. Where any item called for in the specifications, or indicated on the drawings, is not supplemented hereby, the original requirements shall remain in effect. Where any original item is amended, voided or superseded hereby, the provisions of such item not specifically amended, voided or superseded shall remain in effect.

**BIDDER SHALL ACKNOWLEDGE RECEIPT OF ADDENDUM IN THE SPACE PROVIDED ON THE BID FORM.
FAILURE TO DO SO MAY CONSTITUTE AN INFORMALITY IN THE BID.**

This addendum consists of 2 pages and **the following attachments:**

1. Owner provided HAZMAT documents (8) pages, Pre-Bid meeting sign in Sheet, revised drawing sheet A1.1, ADD-SK-1, ADD-SK-2a, ADD-SK-2b, sheets M1.1 and P1.1.

I. GENERAL CLARIFICATION

1. See attached pre-bid sign in sheet for your records.
2. General Contractor shall be responsible for all electrical wiring and conduits with pull strings as indicated in the Electrical drawings. The Owner will be responsible for providing and installing all data wiring and new emergency call boxes.
3. See attached HAZMAT documents provided by the Owner for your information.
4. Laydown Area and Access Clarification: Permanent laydown area for the duration of the project will be available on the concourse of the coliseum across Assembly Street which will be accessible through the tunnel and the circular plaza in which the project will be constructed.

**University of South Carolina
Elevator Installation and Tunnel Improvements**

Addendum Number One

Page 1 of 3

When the tunnel is not in use for material transport the Owner requests half of the circular plaza, which includes half of the stairs and the tunnel, remain open for pedestrian use. The Contractor shall be allowed to utilize the southeast corner of the Law School parking lot for material deliveries from Main Street and temporary laydown of materials will also be allowed in this area. A minimum of four parallel spaces on Assembly Street, south of existing bus stop stop will also be provided. University passes will also be distributed to the General Contractor as well as Sub-Contractors as needed. Crane positioning on the east and west sides of the project site will be allowed with prior coordination. The tunnel and pedestrian traffic through the project site may be shut down as needed, but the desired affect is to leave half of the circular plaza and part of the tunnel open to pedestrian traffic for as long and as often as possible. Wherever the Contractor chooses to store materials on site, the laydown area, access way from the laydown area to the job site, and the job site itself must be secured using no less than hard chainlink fencing with signage to protect pedestrian and student traffic from construction activities.

II. ARCHITECTURAL

5. Specification Section 012300 – Alternates: Part 3.1, B. Revise to read as follows:
 - a. Alternate No. 2: Replace Curtain Wall Window Systems with Storefront Window Systems

Base Bid: Provide prefinished aluminum curtain wall systems as shown in the Drawings.
Alternate: In place of prefinished curtain wall systems, provide prefinished aluminum storefront systems. Required steel to support storefront systems is already included in the base bid of the project and indicated on structural drawings. Refer to 6A5.3 for alternate detail at all mullion conditions if storefront framing is used.

6. Sheet A1.1: See attached revised sheet A1.1 which now includes site drainage information. Also attached are existing drawings of which shows the original drainage design in the area of both new elevators. Contractors to note the number of drainage lines and other piping in the area of elevator 2. Care should be taken when digging in these areas not to damage any existing piping which is to remain. Any existing piping to remain which is damaged shall be replaced by the Contractor at no cost to the Owner.
7. Sheet A6.1, Detail 1: See attached sketches ADD-SK-2a and ADD-SK-2b which indicate revised window widths for units W2, W3, W4, and W5.
8. Sheet A5.2: Add attached sketch ADD-SK-1 which adds detail 3 onto sheet A5.2 which describes the new site walls.

III. MECHANICAL

9. Add attached sheets M1.1 and P1.1 to the project.

IV. ELECTRICAL

10. REFERENCE DRAWINGS E2.0 AND E4.0 – In and above Equipment Room 202, change electrical provisions for DAHU-1 (now called SHP-1). Electrical connection shall be made to outdoor unit mounted on roof of structure; coordinate with mechanical. Indoor unit shall be fed from the exterior unit. Provide a 60 amp/2 pole/240v/Nema 3R disconnect switch in lieu of the ID#1 switch shown. In panelboard schedule CPL, circuit 10,12; change breaker from 20 amp/2 pole to 40 amp/2 pole and provide 2#8, 1#10G. in 1”C. Provide one 20 amp GFI/WP receptacle adjacent to SHP-1 on roof and extend circuit CPL-4.

V. PRIOR APPROVALS

11. Section 34100 – PRC Precast is an approved manufacturer

END OF ADDENDUM NUMBER ONE

University of South Carolina
Columbia, South Carolina

Project Name: RE BID Elevator Installation & Tunnel Improvements
 Project Number: H27-2010
 Pre Bid Date & Time: January 9, 2014 @ 10 am

Name	Company Name	Address	Phone #	Email
Josh Kave	CURTTON CONSTRUCTION CO.	P.O. Box 29998 SHAWANBURG, SC 29304	804 5767001	JKAVE@CURTTONCONSTRUCTION.NET
Braudi Sims	Oracle Elevator	519 Enterprise Dr Charlotte	704-449-4235	braudi.sims@oraclelevator.com
CHRIS SIMS	PENN CONTRACTING LLC	P.O. Box 204 Ballentine, SC 29002	803 4079124 Fax 803 7814142	CHRIS@PENKONTRACTING.COM
SKYAR ASHBY	FALMETTO CONSTRUCTION GROUP.	205 CLEMENS KIRBY ROAD. CHAS. SC 29492	803-971-7156	BID@REGULC.NET
Don Ruckes	21st Century W.P.	4059 Broad River Rd. Columbia, S.C. 29210	803 451-2627	donrucker@sc.rr.com
Jeff Randolph	Randolph Builders	P.O. Box 910883 Charlotte NC 28291 705 Hampton Creek Way Columbia, 29209	704-588-7116	Jeff@randolphbuilders.com
Jason Peurse	Hammer Construction	1108-A Lykes Lane Irmo, S.C. 29063	803-783-7033	Jason@hammer11c.com
WADE BOZEMAN	Pyramid Contractors	P.O. Box 5496 Columbia, SC 29208	803 252-9948	WADE@PYRAMIDCONTRACTING.COM
Bar Lindler	Lindler Const.			HAS1@BellSouth.net

University of South Carolina
Columbia, South Carolina

Project Name: RE BID Elevator Installation & Tunnel Improvements
 Project Number: H27-2010
 Pre Bid Date & Time: January 9, 2014 @ 10 am

Name	Company Name	Address	Phone #	Email
Griff Toole	Southern Eleworks	104 Comp. Blvd, Ste 404 West Columbia, SC	(704) 301-1278	griff@southerneleworks.com
W. Li. Reynolds	Core Construction	1315 Platt Spring Rd West Columbia, SC	803-791-8788	wyli@stephen@coreconstruction.com
Mike Henderson	Weber Construction Co. Inc	PO Box 508 Ballentine, SC 29002	781-0473	mhenderson@weberco.com bell@south.net
Arthur Frank	Frank's Electrical	2713 WILKES RD Columbia, SC 29203	803-419-2814 803-419-1545	frankselectrical3301@yahoo.com
Greg Dayton	Frank Electrical	UN " "	" "	gregdayton@frankco.com
Dwight Colkurt	USC D+C	743 Greene St. Columbia, SC 29209	240-5394	dcolkurt@fmc.sc.edu
David Meserandanger	Boudreaux Group	1301 Lady St. Ste. 500 Columbia, SC 29201	799-0247	meserandanger@boudreauxgroup.com
Jacqueline Brackens	USC-B+F	743 Greene St Columbia, SC	803-777-3596	jacquelin@fmc.sc.edu

FM00394195

FM00394195

USC Work Order

Description HAZMAT SURVEY ELEVATOR UPGRADES AND TUNNEL IMPROVEMENTS

Site	COLUMBIA	Assigned To	JPROVENCE
Building		Crew	HAZMAT
Floor	Room:	Start Date	Priority 5
Equipment		Due date	23-MAY-12
		Request Date	23-APR-12
		by	CHAPMAS

Request #	FM00394195	Description	HAZMAT SURVEY ELEVATOR UPGRADES AND TUNNEL IMPROVEMENTS
Parent WO #			

CP Number	CP00349475	ELEVATOR INSTALLATION AND TUNNEL IMPROVEMENTS
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State/Internal Project Number	H27-Z010
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Requestor	Project Manager	CATHCART, CHARLES D.
Telephone	Telephone	777-9824
Alternate	Estimated Cost	\$ 174.00
Telephone	Billing	FIXED PRICE
Non-Available Time	53100-W530-57120	(ELEVATOR INSTALLATION/TUNNEL IMPROVEMENT)

Task List

(CHECK ALL THAT APPLY AND PROVIDE ADDITIONAL INFORMATION AS NEEDED)

HAZMAT SURVEY(S) REQUESTED FOR THE FOLLOWING

- FLOOR TILE
- JOINT COMPOUND
- WALLS
- MASTIC
- CEILING TILE
- PIPE INSULATION
- VINYL SHEET FLOORING
- FIREPROOFING
- FUME HOODS/TABLE TOPS
- ROOFING MATERIALS
- FIRE DOORS
- GASKETS/VALVES
- BOILER INSULATION
- ACOUSTICAL POPCORN CEILING
- DUCT WORK
- OTHER (PLEASE DESCRIBE BELOW)

MOST OF THE IS OUTSIDE BUT THE CONCRETE PANELING AND PAITN NEED TO BE TESTED. DCATHCAR 05-23-13

DATE WORK STARTED	CAUSE
DATE WORK COMPLETED	CONDITION
EQUIPMENT	
CLOSING REMARKS	
BENCHSTOCK MATERIALS	
Qty	Description
	Price Per Unit

Note Date	Title
08 JUL 13	HAZMAT SURVEY RESULTS
SUPERVISOR'S APPROVAL	
SURVEY DATE:6/26/13	
INSPECTOR #: DARRYL WASHINGTON II BI-00568	
STATUS: THE FOLLOWING MATERIALS HAVE BEEN TESTED FOR ASBESTOS AND LEAD RESULTS FOLLOWS	
BROWN EXSPANSION CAULK- POSITIVE FOR ASBESTOS CONTAINING MATERIALS	
SURFACING MATERIAL (CEILING)- NEGATIVE FOR ASBESTOS CONTANING MATERIALS	
TAN EXSPANSION CAULK- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS	
GRAY EXSPANSION CAULK- NEGATIVE FOR ASBESTOS CONTAINING MATERAILS	
WHITE PAINT- NEGATIVE FOR LEAD	
BLACK PAINT- NEGATIVE FOR LEAD	
GARNETT PAINT- NEGATIVE FOR LEAD	
BEIGE PAINT- NEGATIVE FOR LEAD	
GRAY PAINT- NEGATIVE FOR LEAD	
IF YOU ENCOUNTER ANY SUSPECT MATERIALS IN PLACE AND DEEM IT SUSPECT FOR ASBESTOS AND OR LEAD AND IT IS NOT LISTED ABOVE PLEASE STOP WORK AND CALL THE ASBESTOS PROGRAM MANAGER FOR FURTHER TESTING OR ABATEMENT	
REFER TO THE SURVEY RESULTS DOCUMENT ATTACHED TO THE WO FOR DETAILED INFORMATION.	

**EMSL Analytical, Inc.**

706 Gralin Street, Kernersville, NC 27284

Phone/Fax: (336) 992-1025 / (336) 992-4175

greensborolab@emsl.com

EMSL Order: 021303949

CustomerID: UNSC62

CustomerPO:

ProjectID:

Attn: **Darryl Washington**
University of South Carolina
743 Greene Street
Columbia, SC 29208

Phone: (803) 777-7000
 Fax: (803) 777-3990
 Received: 06/27/13 10:00 AM
 Analysis Date: 6/27/2013
 Collected:

Project: **85 Law School/Fountain**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1 <i>021303949-0001</i>	Surfacing Material	White/Beige/Grayish Non-Fibrous Heterogeneous	<1%	Cellulose	100% Non-fibrous (other) None Detected
2 <i>021303949-0002</i>	Surfacing Material	White/Beige/Grayish Non-Fibrous Heterogeneous	<1%	Cellulose	100% Non-fibrous (other) None Detected
3 <i>021303949-0003</i>	Surfacing Material	White/Beige/Grayish Non-Fibrous Heterogeneous	<1%	Cellulose	100% Non-fibrous (other) None Detected
4 <i>021303949-0004</i>	Surfacing Material	White/Beige/Grayish Non-Fibrous Heterogeneous	<1%	Cellulose	100% Non-fibrous (other) None Detected
5 <i>021303949-0005</i>	Surfacing Material	White Non-Fibrous Homogeneous	<1%	Cellulose	100% Non-fibrous (other) None Detected
6 <i>021303949-0006</i>	Expansion Joint Caulk	Tan Non-Fibrous Homogeneous			100% Non-fibrous (other) None Detected
7 <i>021303949-0007</i>	Expansion Joint Caulk	Tan Non-Fibrous Homogeneous			100% Non-fibrous (other) None Detected

Analyst(s)

Kristie Elliott (3)
Scott Combs (9)

Stephen Bennett, Laboratory Manager
 or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Kernersville, NC NVLAP Lab Code 102104-0, Virginia 3333-000228, West Virginia LT000321

Initial report from 06/27/2013 17:50:38

**EMSL Analytical, Inc.**

706 Gralin Street, Kernersville, NC 27284

Phone/Fax: (336) 992-1025 / (336) 992-4175

greensborolab@emsl.com

EMSL Order: 021303949

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Attn: **Darryl Washington**
University of South Carolina
743 Greene Street
Columbia, SC 29208

Phone: (803) 777-7000
 Fax: (803) 777-3990
 Received: 06/27/13 10:00 AM
 Analysis Date: 6/27/2013
 Collected:

Project: **85 Law School/Fountain**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
8 021303949-0008	Expansion Joint Caulk	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
9 021303949-0009	Expansion Joint Caulk	Gray/Tan Non-Fibrous Heterogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
10 021303949-0010	Expansion Joint Caulk	Gray/Tan Non-Fibrous Heterogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
11 021303949-0011	Expansion Joint Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
12 021303949-0012	Expansion Joint Caulk	Brown Fibrous Homogeneous	<1% Cellulose	95% Non-fibrous (other)	5% Chrysotile
13 021303949-0013	Expansion Joint Caulk				Stop Positive (Not Analyzed)
14 021303949-0014	Expansion Joint Caulk				Stop Positive (Not Analyzed)

Analyst(s)

Kristie Elliott (3)
Scott Combs (9)

Stephen Bennett, Laboratory Manager
 or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Kernersville, NC NVLAP Lab Code 102104-0, Virginia 3333-000228, West Virginia LT000321

Initial report from 06/27/2013 17:50:38



EMSL Analytical, Inc.

706 Gralin Street, Kernersville, NC 27284
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greensborolab@emsl.com

EMSL Order: 021303949
CustomerID: UNSC62
CustomerPO:
ProjectID:

Attn: **Darryl Washington**
University of South Carolina
743 Greene Street
Columbia, SC 29208


Phone: (803) 777-7000
Fax: (803) 777-3990
Received: 06/27/13 10:00 AM
Analysis Date: 7/1/2013
Collected:

Project: 85 Law School/Fountain

**Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM
via EPA/600/R-93/116 Section 2.5.5.1**

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
8 021303949-0015	Expansion Joint Caulk	Tan Non-Fibrous Homogeneous	100	None	No Asbestos Detected
11 021303949-0016	Expansion Joint Caulk	Gray Non-Fibrous Heterogeneous	100	None	No Asbestos Detected

Analyst(s) _____
Stephen Bennett (2)


Stephen Bennett, Laboratory Manager
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.
Samples analyzed by EMSL Analytical, Inc. Kernersville, NC

Initial report from 07/01/2013 09:19:43

3949



Building # 85 LAW SCHOOL Sample Analysis Lead / Asbestos Date: 06-26-2013 Turn Around Time 24hr

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
A	#1	SURFACING MATERIAL	CEILING; LAW SCHOOL CONNECTOR TUNNEL	F	Fair	4000 SQ FT	Low
A	#2	SURFACING MATERIAL	CEILING; LAW SCHOOL CONNECTOR TUNNEL	F	Fair	4000 SQ FT	Low
A	#3	SURFACING MATERIAL	CEILING; LAW SCHOOL CONNECTOR TUNNEL	F	Fair	4000 SQ FT	Low
A	#4	SURFACING MATERIAL	CEILING; LAW SCHOOL CONNECTOR TUNNEL	F	Fair	4000 SQ FT	Low
A	#5	SURFACING MATERIAL	CEILING; LAW SCHOOL CONNECTOR TUNNEL	F	Fair	4000 SQ FT	Low
B	#6	TAN EXPANSION JOINT CAULK	BETWEEN BRICK AND CONCRETE @ LAW SCHOOL FOUNTAIN	NF	G	<1000 SQ FT	Low
B	#7	TAN EXPANSION JOINT CAULK	BETWEEN BRICK AND CONCRETE @ LAW SCHOOL FOUNTAIN	NF	G	<1000 SQ FT	Low
B	#8	TAN EXPANSION JOINT CAULK	BETWEEN BRICK AND CONCRETE @ LAW SCHOOL FOUNTAIN	NF	G	<1000 SQ FT	Low
C	#9	GREY EXPANSION JOINT CAULK	FOUNTAIN AREA @ LAW SCHOOL	NF	G	<1000 SQ FT	Low
C	#10	GREY EXPANSION JOINT CAULK	FOUNTAIN AREA @ LAW SCHOOL	NF	G	<1000 SQ FT	Low

Signature *Troy Nelson* Requestor TROY NELSON

License # 21534 FM# 00428164

Send lab results in PDF format as soon as possible to:
 Ed Pitts 803-777-3296 Darryl Washington 803-777-2399
 720 College St. 720 College St.
 Columbia, SC 29208 Columbia, SC 29208
 EHP@fmc.sc.edu NTRusse@fmc.sc.edu

Fax # 803-777-3990

Reset Form Print Form

3949



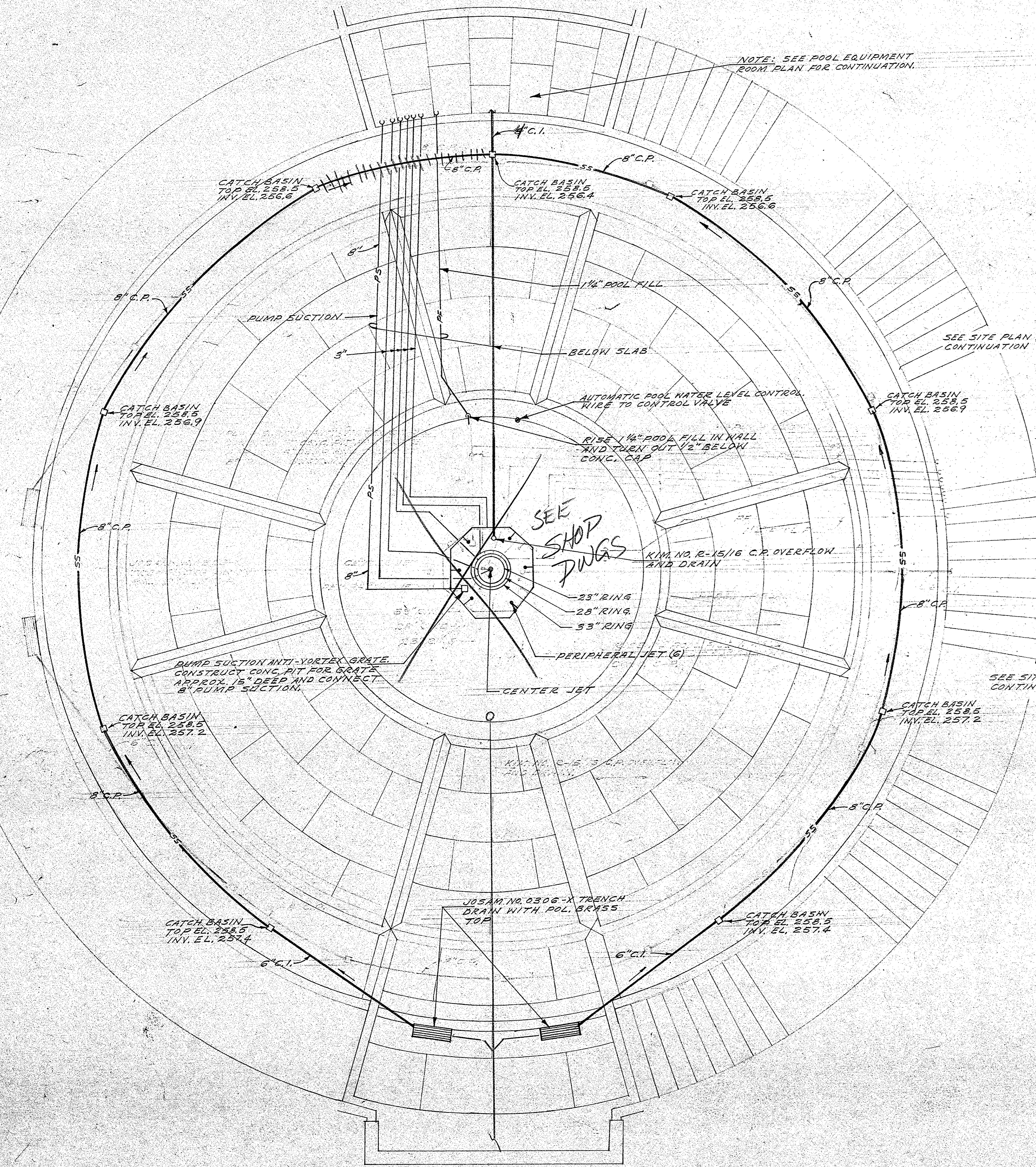
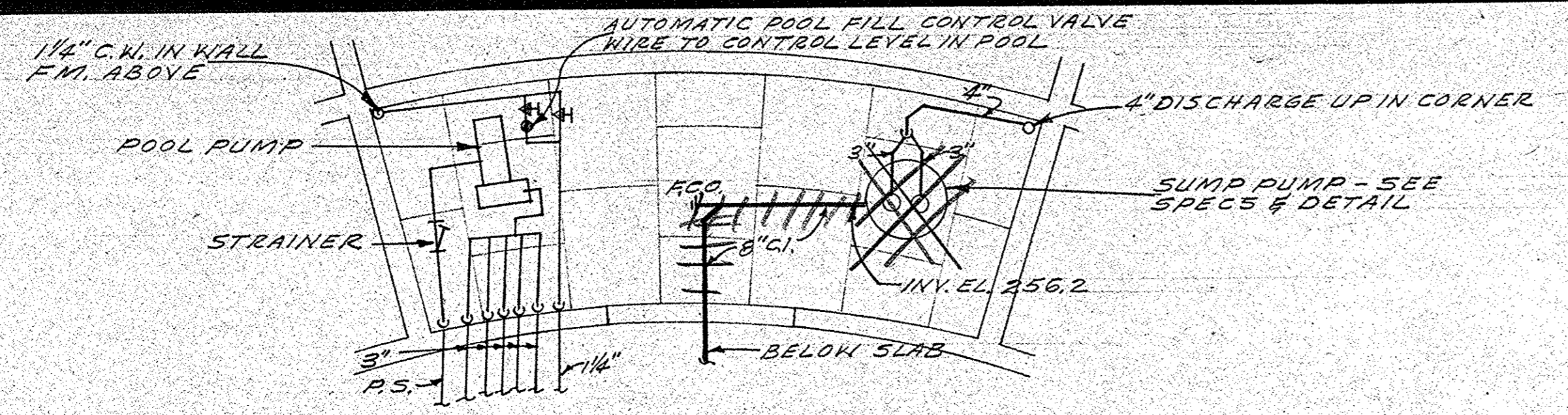
Building # 85 LAW SCHOOL Sample Analysis Date: 06-19-2013 Turn Around Time 24hr

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
C	#11	GREY EXPANSION JOINT CAULK	FOUNTAIN AREA @ LAW SCHOOL <i>TEM: F NEG</i>	NF	G	<1000	Low
D	#12	DARK BROWN EXPANSION JOINT	FOUNTAIN AREA @ LAW SCHOOL	NF	G	<1000	Low
D	#13	DARK BROWN EXPANSION JOINT	FOUNTAIN AREA @ LAW SCHOOL	NF	G	<1000	Low
D	#14	DARK BROWN EXPANSION JOINT	FOUNTAIN AREA @ LAW SCHOOL <i>TEM: F NEG</i>	NF	G	<1000	Low

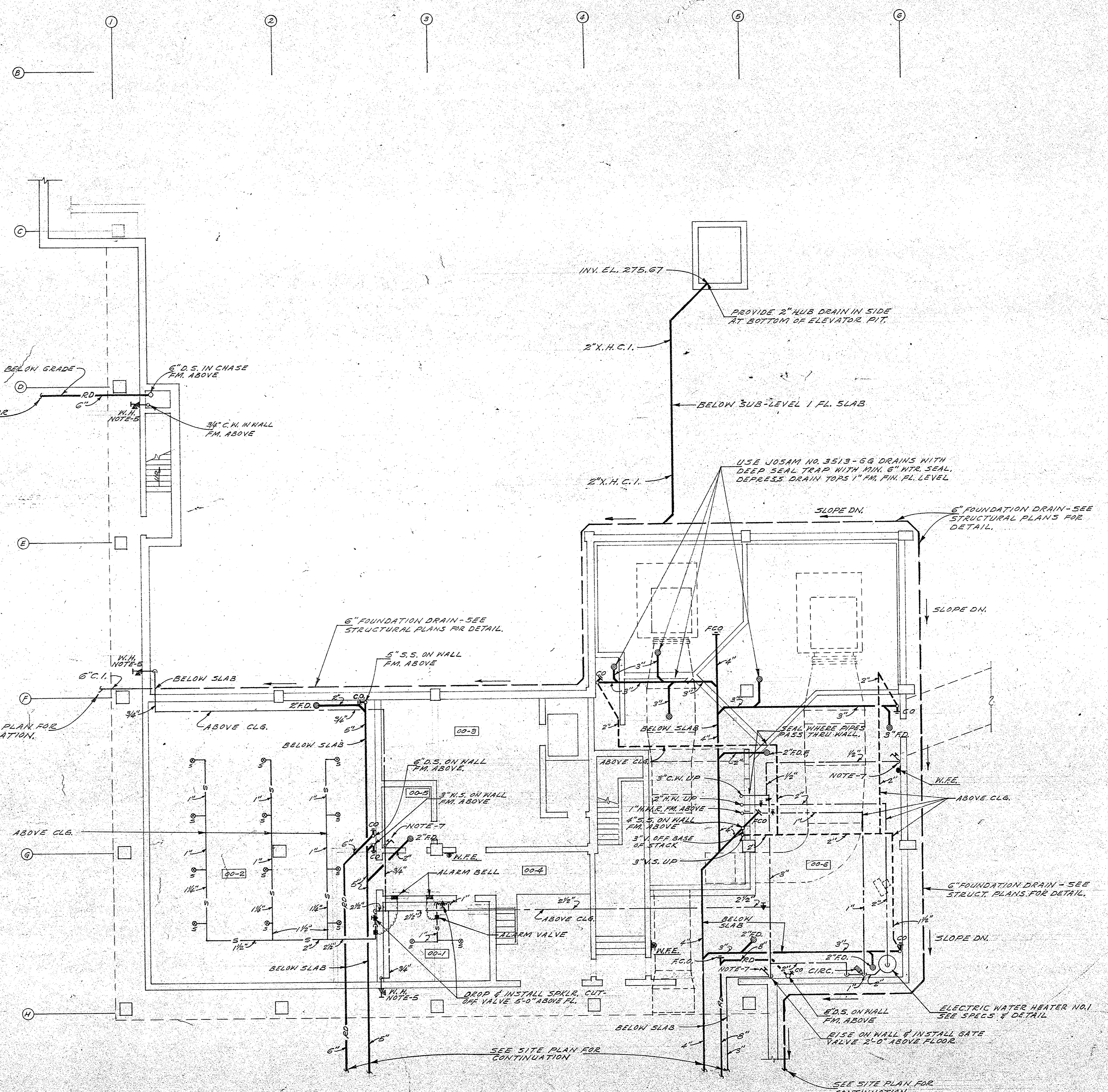
Signature *Ed Pitts* Requestor TROY NELSON

License # 21534 FM# 00428164
Send lab results in PDF format as soon as possible to:
Ed Pitts 803-777-3296 Darryl Washington 803-777-2399 Ty Rusell 803-777-1208
720 College St. 720 College St. 720 College St.
Send lab results in PDF format as soon as possible to: asbestos@matheson.com
EHP@fmc.sc.edu WashinDH@fmc.sc.edu NTRusse@fmc.sc.edu

Fax # 803-777-3990



HOLE - FOUNTAIN POOL AREA PLUMBING PLAN
SCALE: 1/4" = 1'-0"



SUB 2 LEVEL PLUMBING PLAN

BLDG. SCALE: 1/8" = 1'-0"

085-03-03-008

GILL AND WILKINS A.I.A.
ARCHITECTS - PLANNERS
FLORENCE, SOUTH CAROLINA

LAW CENTER
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

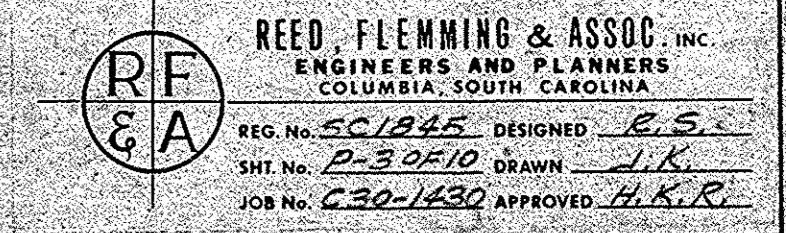
date: June '71

comm no. 481

sheet no.

P-3

of 10



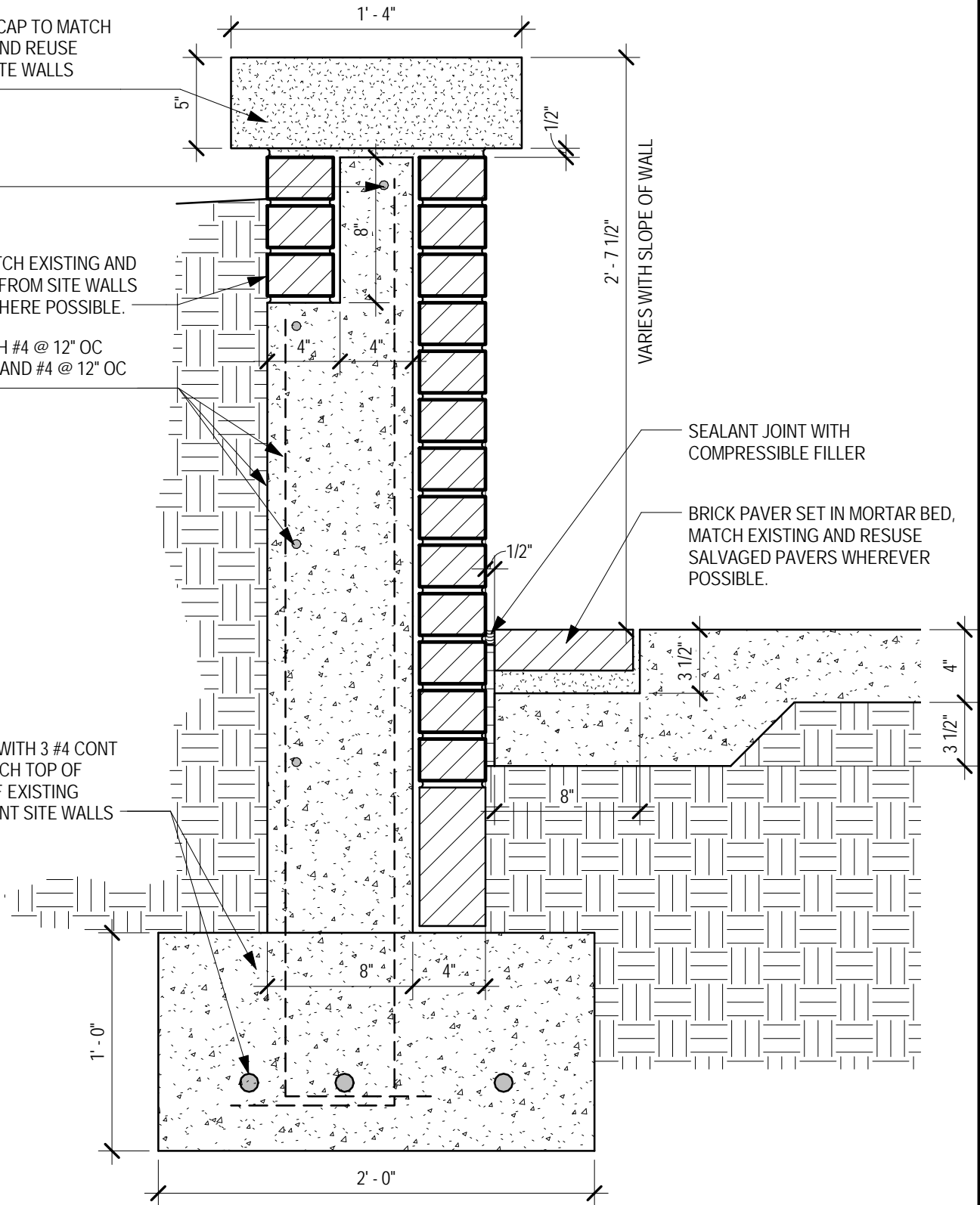
PRECAST CONCRETE CAP TO MATCH EXISTING. SALVAGE AND REUSE FROM DEMOLISHED SITE WALLS WHERE POSSIBLE.

#4 BAR CONT.

BRICK MASONRY. MATCH EXISTING AND SALVAGE AND REUSE FROM SITE WALLS TO BE DEMOLISHED WHERE POSSIBLE.

CONCRETE WALL, WITH #4 @ 12" OC VERTICAL EACH FACE AND #4 @ 12" OC HORIZONTAL

CONCRETE FOOTING, WITH 3 #4 CONT BARS AS SHOWN, MATCH TOP OF FOOTING WITH TOP OF EXISTING FOOTINGS OF ADJACENT SITE WALLS



VARIES WITH SLOPE OF WALL

SEALANT JOINT WITH COMPRESSIBLE FILLER

BRICK PAVER SET IN MORTAR BED, MATCH EXISTING AND RESUSE SALVAGED PAVERS WHEREVER POSSIBLE.

1
ADD-SK-1

SKETCH - SECTION DETAIL AT SITE WALLS

1 1/2" = 1'-0"

The Boudreaux Group

2221 Lake St., Suite 300 (222nd)
P.O. Box 9849
Columbia, SC 29209
803 798 0427
803 775 0842
info@boudreauxgroup.com

Interdisciplinary Design Architecture Interiors Planning

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DRAWING SCALE

1 1/2" = 1'-0"

SHEET REFERENCE

PROJECT TITLE
USC ELEVATOR INSTALLATION AND
TUNNEL IMPROVEMENTS - RE BID

ARCH. PROJECT NO.

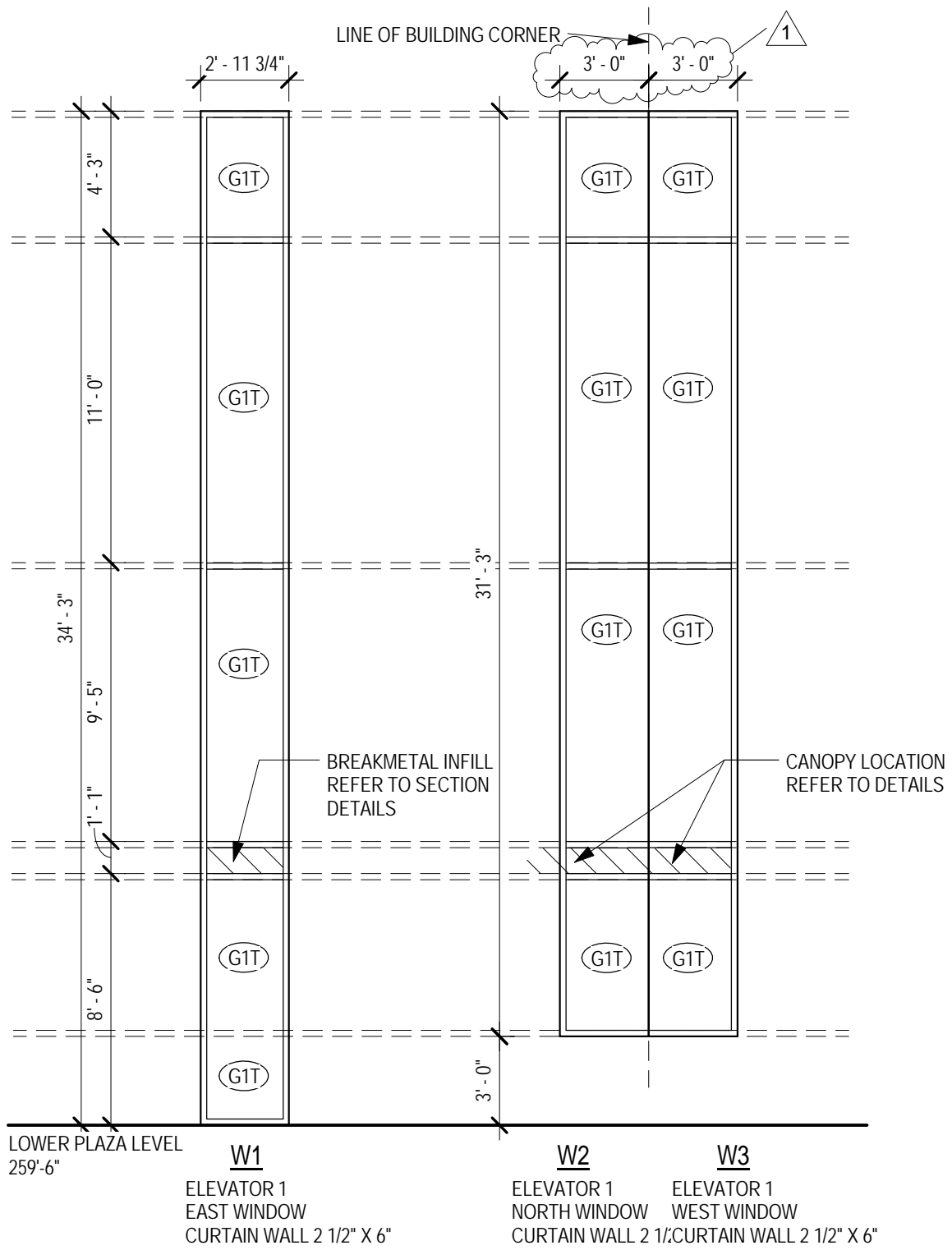
H27-Z010

DATE

1/16/14

SKETCH NO.

ADD **S** **1**



LOWER PLAZA LEVEL
259'-6"

W1
ELEVATOR 1
EAST WINDOW
CURTAIN WALL 2 1/2" X 6"

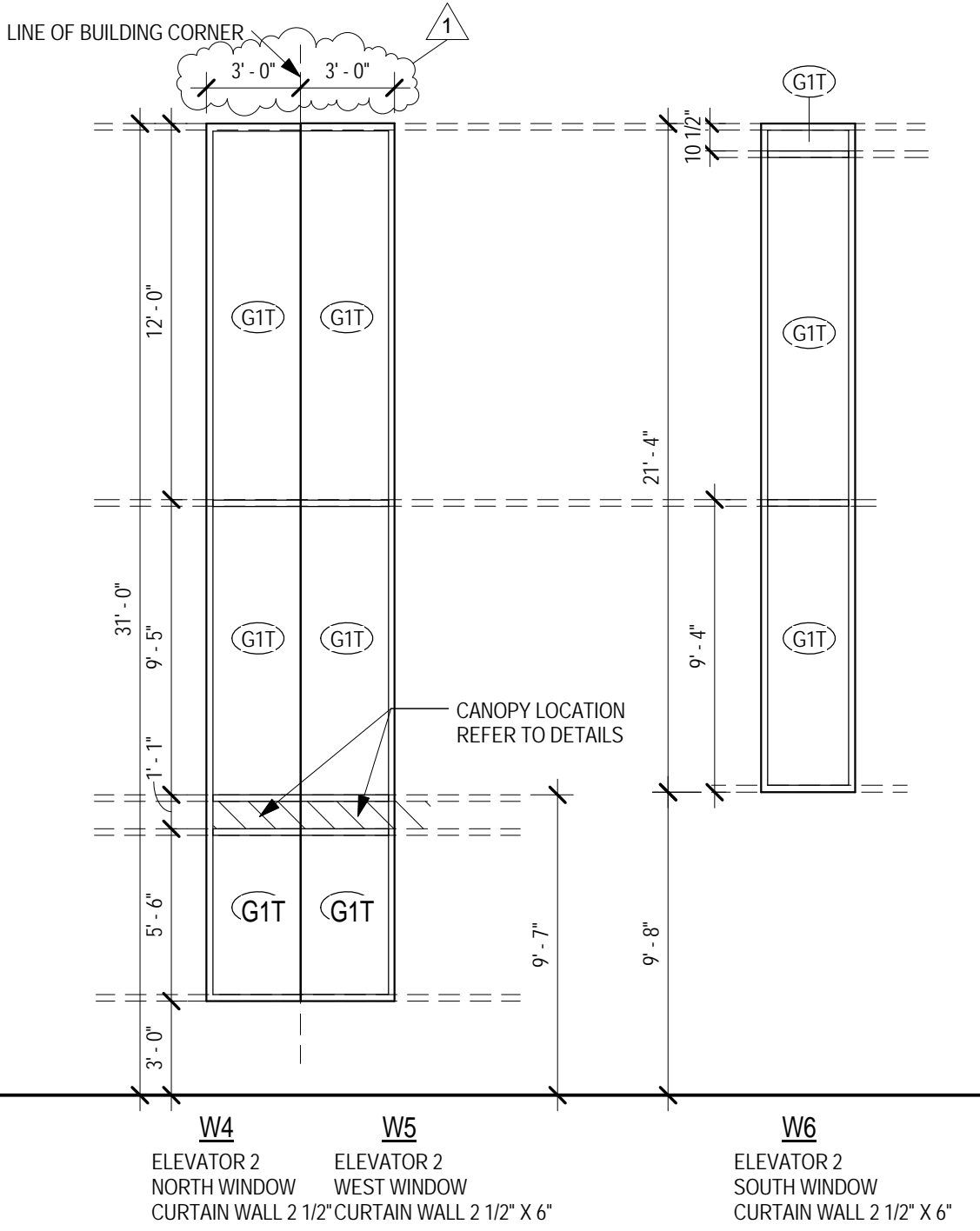
W2
ELEVATOR 1
NORTH WINDOW
CURTAIN WALL 2 1/2" X 6"

W3
ELEVATOR 1
WEST WINDOW
CURTAIN WALL 2 1/2" X 6"

1 WINDOW ELEVATIONS A

ADD-SK-2a 3/16" = 1'-0"

The Boudreaux Group <small>1721 Ledy St., Suite 500 (202) 462-1100 P.O. Box 9849 Columbia, SC 29209 803 798 0427 803 775 0842 info@boudreauxgroup.com</small> Interdisciplinary Design Architecture Interiors Planning	THE DRAWING AND THE DESIGN THERON ARE THE PROPERTY OF THE BOUDREAUX GROUP, INC. THE REPRODUCTION, COPYING, OR USE OF THIS DRAWING WITHOUT THE WRITTEN CONSENT OF THE BOUDREAUX GROUP, INC. IS PROHIBITED AND ANY INFRINGEMENT WILL BE SUBJECT TO LEGAL ACTION.		DRAWING SCALE 3/16" = 1'-0"
	PROJECT TITLE USC ELEVATOR INSTALLATION AND TUNNEL IMPROVEMENTS - RE BID	ARCH. PROJECT NO. H27-Z010	DATE 01/15/14



<p>The Boudreaux Group</p> <p>1721 Ledy St., Suite 300 (222nd) P.O. Box 9849 Columbia, SC 29209 803 798 0427 803 775 0847 info@boudreauxgroup.com</p> <p><i>Interdisciplinary Design</i> Architecture Interiors Planning</p>	<p>THE DRAWING AND THE DESIGN THERON ARE THE PROPERTY OF THE BOUDREAUX GROUP, INC. THE REPRODUCTION, COPYING, OR USE OF THIS DRAWING WITHOUT THE WRITTEN CONSENT OF THE BOUDREAUX GROUP, INC. IS PROHIBITED AND ANY INFRINGEMENT WILL BE SUBJECT TO LEGAL ACTION.</p>		<p>DRAWING SCALE 3/16" = 1'-0"</p>
	<p>PROJECT TITLE USC ELEVATOR INSTALLATION AND TUNNEL IMPROVEMENTS - RE BID</p>		<p>SHEET REFERENCE</p>
<p>ARCH. PROJECT NO. H27-Z010</p>	<p>DATE 01/15/14</p>	<p>SKETCH NO. ADD <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>	

DUCTLESS SPLIT HEAT PUMP SCHEDULE							
TAG	MITSUBISHI MODEL DAHU/SHP	COOLING CAP. - MBH @ 80/67/95 TOTAL	HEAT CAP. - MBH @ 47	CFM		SEER	REMARKS
				O.A.	TOTAL		
SHP-1/DAHU-1	PUZ-A42NHA5/PCA-A42KA5	42.0	45.0	0	955	15.8	1

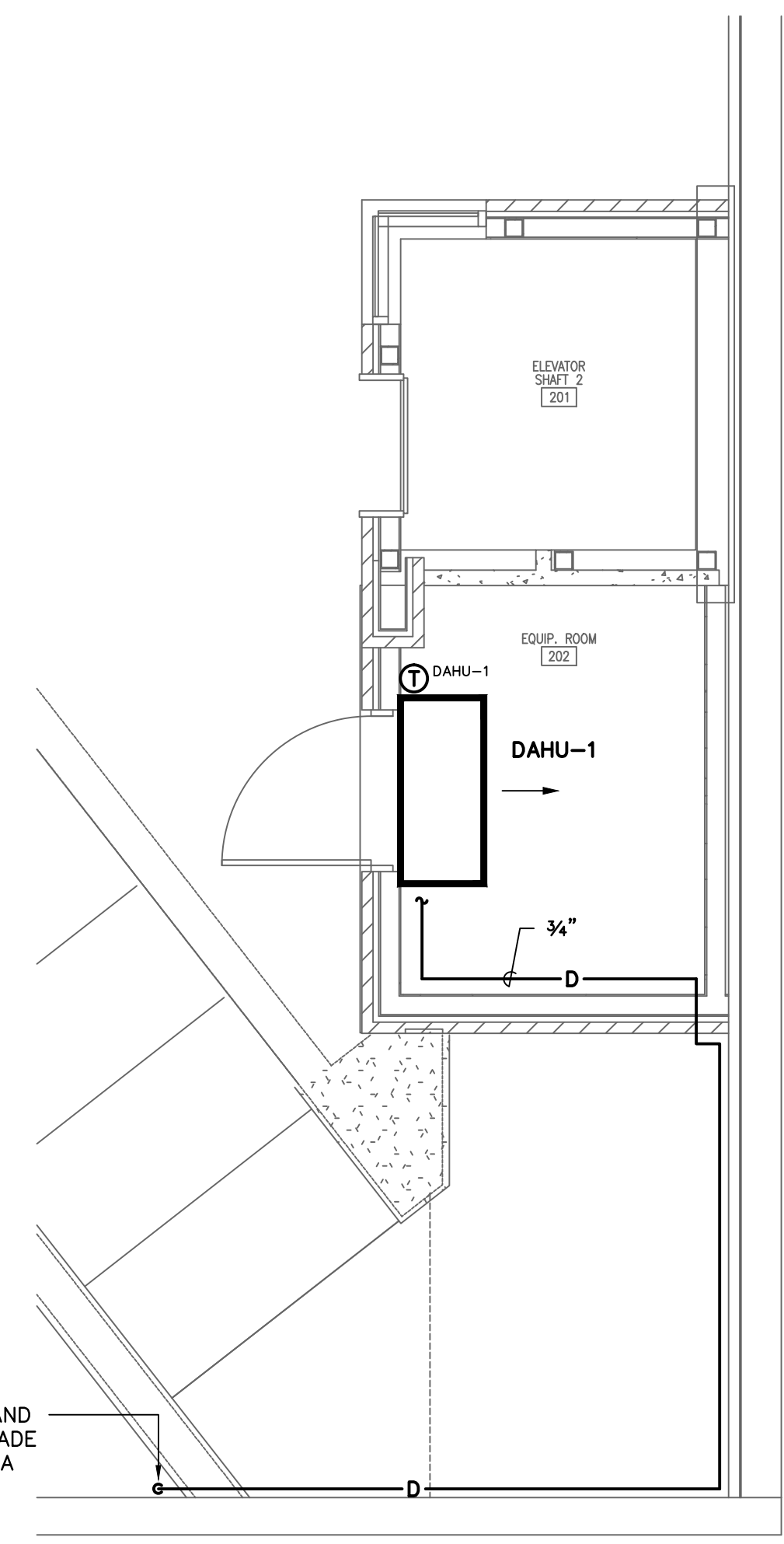
1. PROVIDE HARD WIRED WALL MOUNTED THERMOSTAT AND INTERNAL CONDENSATE PUMP WITH FLOAT SWITCH TO SHUT DOWN UNIT IN ORDER TO PREVENT CONDENSATE OVPFLOW AND LOW AMBIENT COOLING WITH CRANKCASE HEATER.

- ### GENERAL NOTES
- ALL PIPING LOCATIONS SHALL BE COORDINATED WITH WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE.
 - THIS CONTRACTOR SHALL COORDINATE STEEL OPENINGS AND EQUIPMENT SUPPORT WITH STEEL SHOP DRAWINGS TO CONFIRM DIMENSIONS MATCH WITH EQUIPMENT SUPPLIED.
 - ALL PIPING INSULATION SHALL BE RUN CONTINUOUSLY THROUGH ROOFS AND PARTITIONS.
 - ALL MECHANICAL ITEMS EXTENDING THROUGH WALLS AND ROOF SHALL BE FLASHED AND COUNTERFLASHED. PROVIDE PIPE PENETRATION AS REQUIRED FOR CONDUIT OR TUBING PENETRATIONS THROUGH THE ROOF. COORDINATE WITH ROOFING CONTRACTOR.
 - ALL PIPING IS SHOWN DIAGRAMMATIC. HOWEVER, THIS CONTRACTOR SHALL PROVIDE ALL REQUIRED FITTINGS, PIPING AND INSULATION FOR ALL OFFSETS AND/OR CHANGES IN ELEVATION.
 - EXTEND ALL DRAIN LINES AS INDICATED - SO ROUTED AS TO AVOID INTERFERENCE WITH PASSAGeways AND MAINTENANCE. DRAINS FROM AIR HANDLING UNITS SHALL BE TRAPPED PER STATIC PRESSURE REQUIREMENTS.
 - MINIMUM PIPE SIZE SHALL BE 3/4-INCH UNLESS INDICATED OTHERWISE.
 - ALL PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH THE SPECIFICATIONS AND FURTHER SUPPORTS OR HANGERS SHALL BE PROVIDED TO PREVENT WEIGHT OF PIPING BEING PLACED ON EQUIPMENT.
 - PROVIDE FOR ACCESS TO ALL EQUIPMENT REQUIRING CLEANING OR ADJUSTMENT.
 - THIS CONTRACTOR SHALL PROVIDE ALL ITEMS OF MISCELLANEOUS STEEL AS REQUIRED FOR INSTALLATION OF ALL MECHANICAL ITEMS.
 - THIS CONTRACTOR SHALL DO ALL CONTROL WIRING. DIVISION 28 WILL DO ALL POWER WIRING. ALL WIRING SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE. CONTROL WIRING SHALL BE CONCEALED WITHIN WALL AND ALL CONTROL WIRING SHALL BE ROUTED IN EMT CONDUIT.
 - LOCATE ALL SPACE CONTROL INSTRUMENTS 4'-0" ABOVE FINISHED FLOOR.

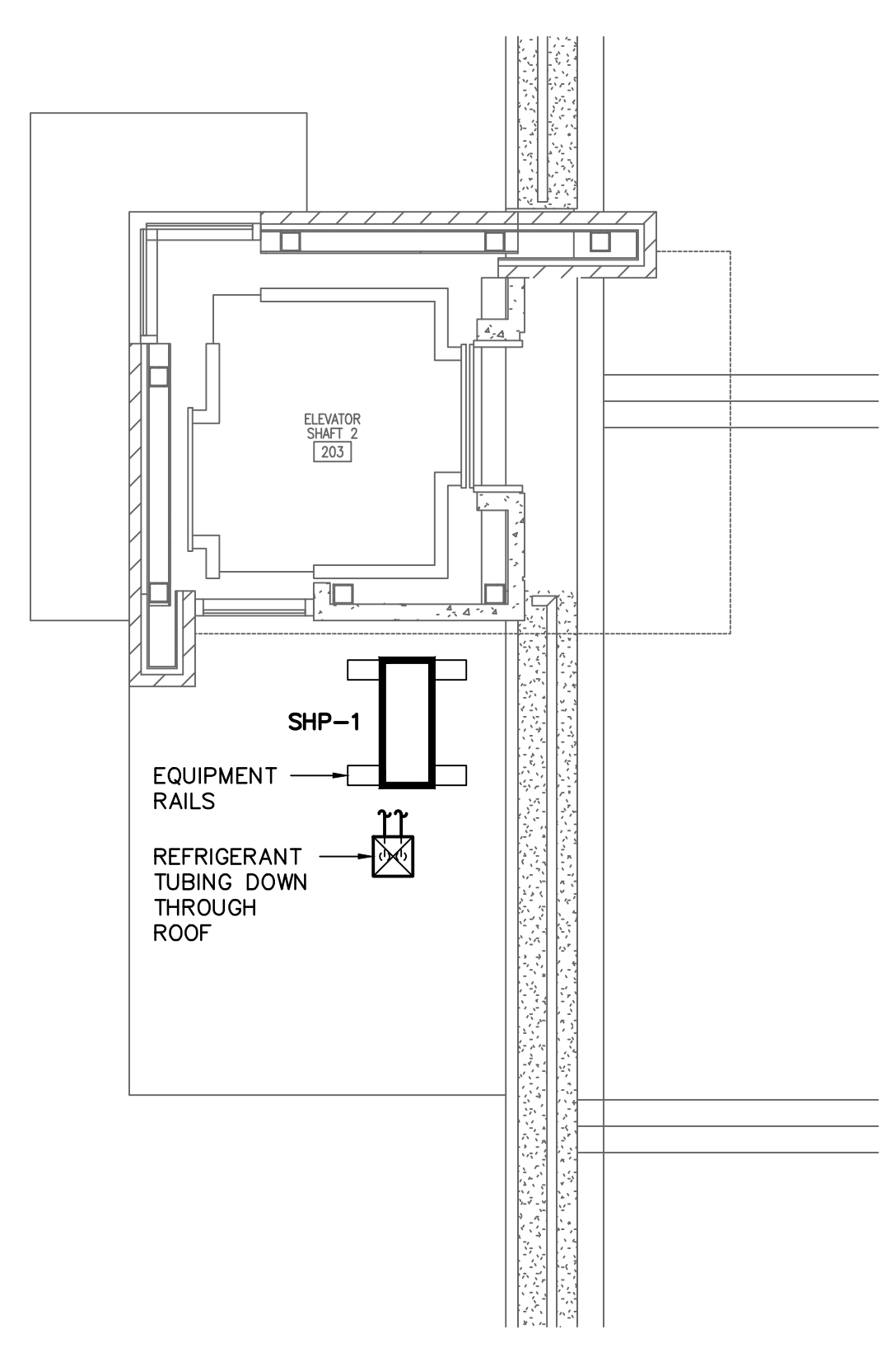
- ### SPECIFICATIONS
- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2012 INTERNATIONAL MECHANICAL CODE, SMACNA, AND ASHRAE STANDARDS. ALL LOCAL CODES OR REQUIREMENTS STILL APPLY.
 - INSTALL ALL ACR COPPER TUBING PER MANUFACTURER'S SPECIFICATIONS. INSULATE COPPER TUBING WITH 3/4" ARMAFLEX INSULATION. ALUMINUM JACKET SHALL BE APPLIED TO ALL EXTERIOR ARMAFLEX FOR ULTRA-VIOLET PROTECTION.
 - CONDENSATE DRAINS SHALL BE TYPE L COPPER AND WHERE INDOORS SHALL BE INSULATED WITH 1/2" ARMAFLEX.
 - CONTROL WIRING SHALL BE RUN IN EMT CONDUIT AND SHALL BE COLOR CODED 18 GAUGE SOLID WIRE, IN A PROTECTIVE COVER. CONTROL HIGH VOLTAGE CONNECTIONS BETWEEN SHP AND DAHU SHALL BE BY THIS CONTRACTOR.
 - SUBMIT ALL EQUIPMENT AND PRODUCTS PROPOSED TO BE USED FOR THIS PROJECT PRIOR TO ORDERING. SUBMIT PDF FORMAT OR SIX COPIES OF DATA SHEETS TO THE ENGINEER, BOUND IN A SINGLE VOLUME FOR APPROVAL.
 - ALL EQUIPMENT, PRODUCTS AND WORK SHALL BE GUARANTEED TO BE FREE OF DEFECTS IN MANUFACTURE AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION. ALL REPAIRS WILL BE MADE AT NO COST TO THE OWNER.

LEGEND

SYMBOL	DESCRIPTION
	REFRIGERANT LINES
	DRAIN LINE
	THERMOSTAT



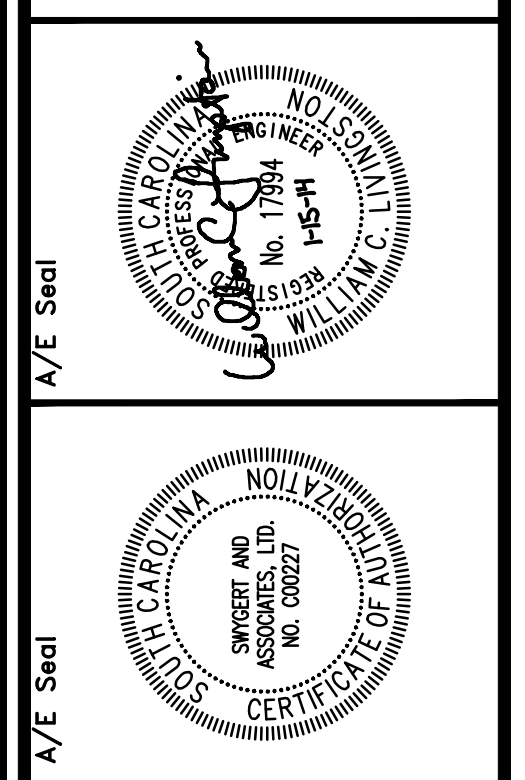
1 ELEV. 2 - MID LEVEL PLAN
SCALE: 1/4" = 1'-0"



2 ELEV. 2 - UPPER PLAZA PLAN
SCALE: 1/4" = 1'-0"

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Interdisciplinary Design Architecture Interior Planning



**UNIVERSITY SOUTH CAROLINA
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Project No.	Date	Drawn By	Checked By
H27-2010	JAN. 15, 2014	DEM	WCL

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**FLOOR PLAN, NOTES,
SCHEDULE, AND LEAD**

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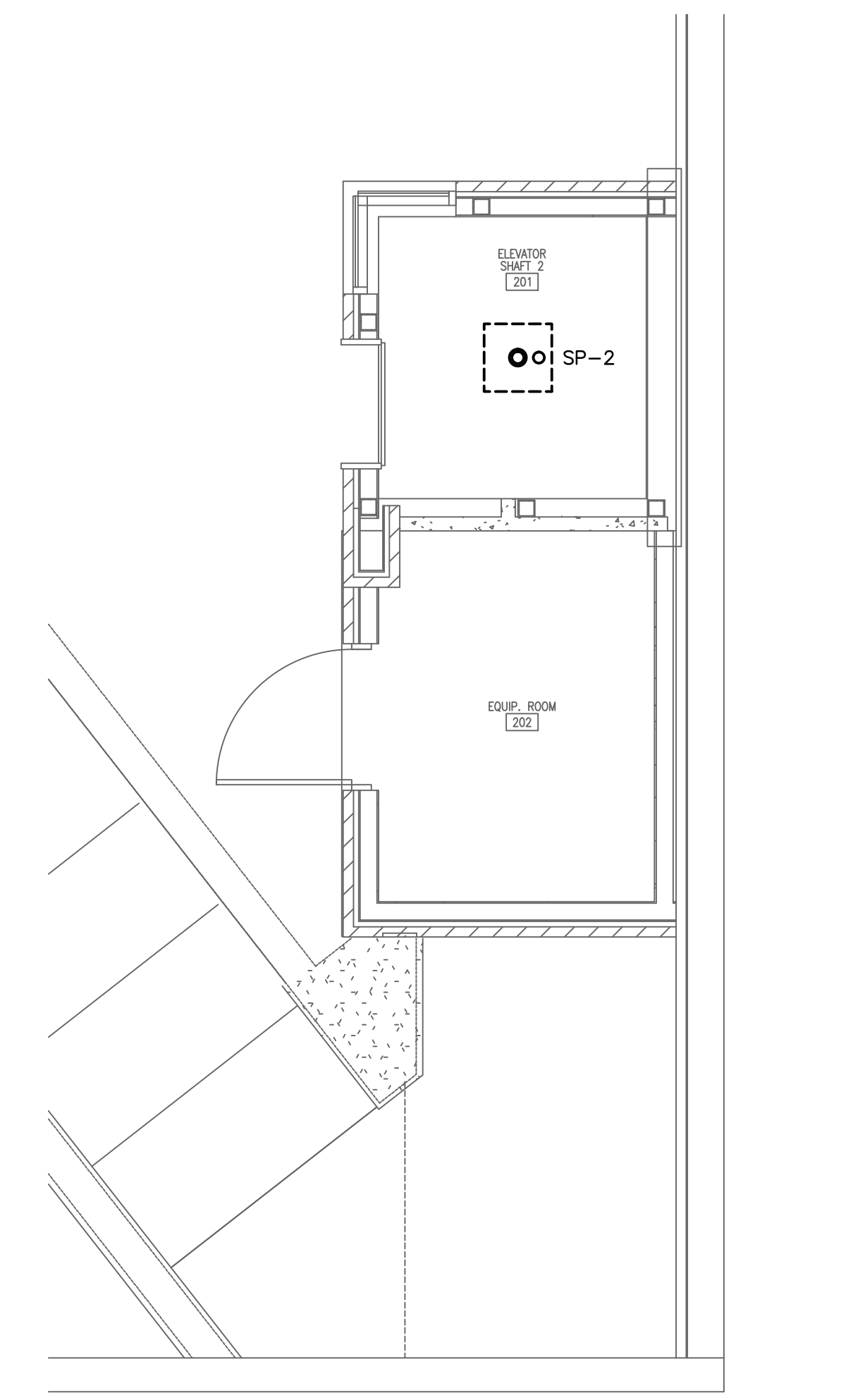
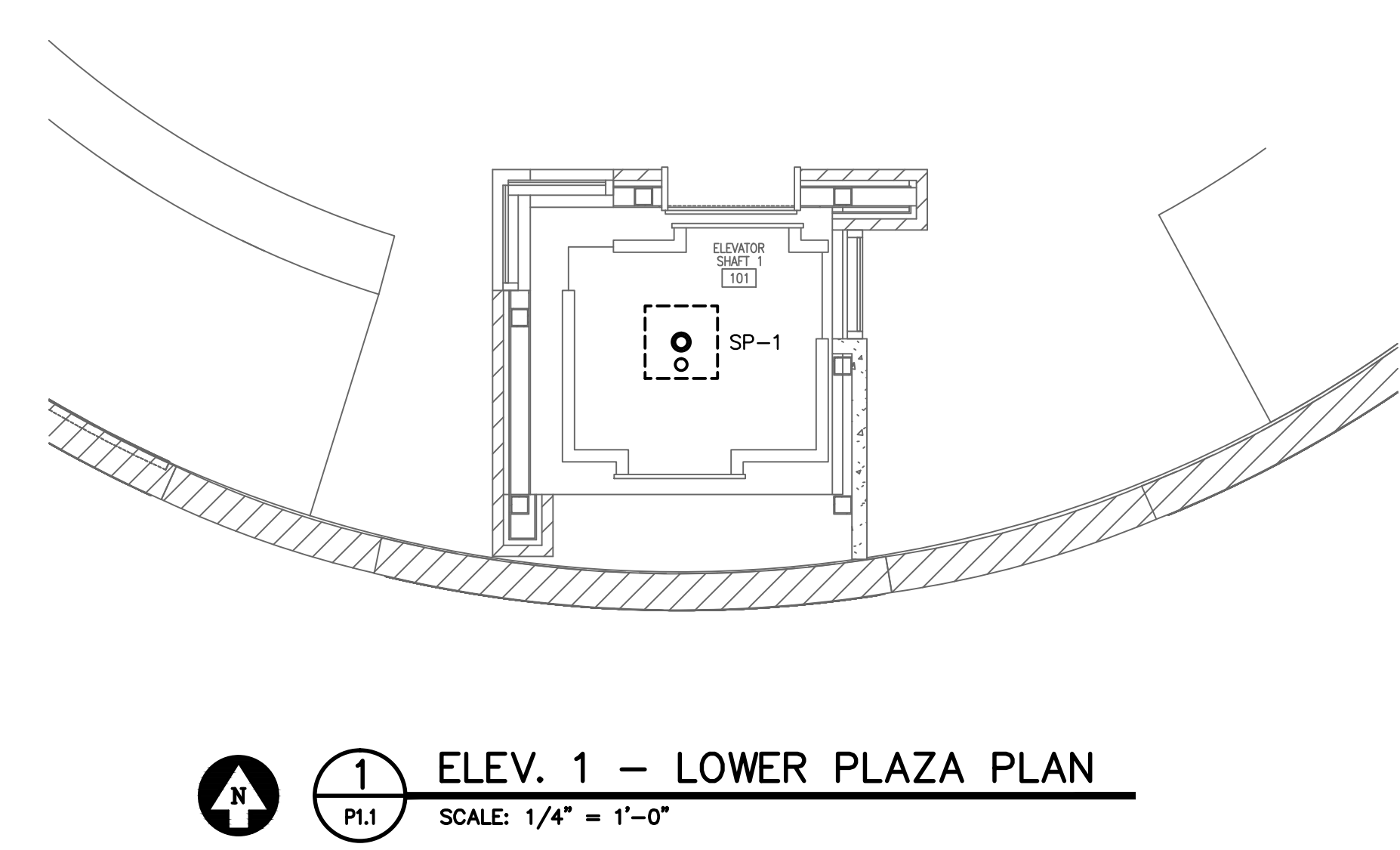
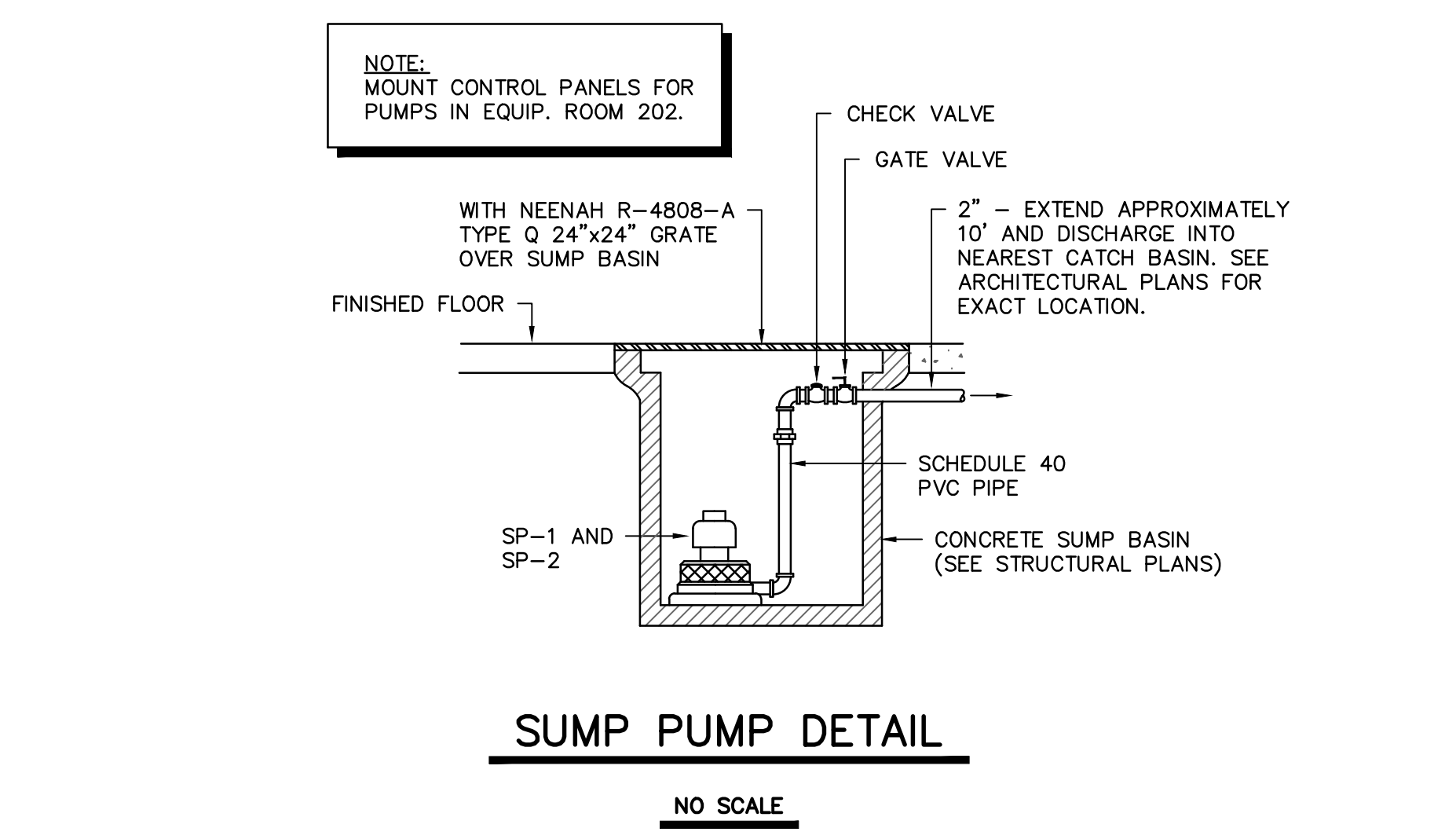
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SUMP PUMP SCHEDULE							
TAG	MANUFACTURER	MODEL NO.	TYPE	GPM	HEAD FT-WTR	HP (MIN)	REMARKS
SP-1	B&G	2EC	SUBMERSIBLE	50	20	1/2	1,2,3
SP-2	B&G	2EC	SUBMERSIBLE	50	20	1/2	1,2,3

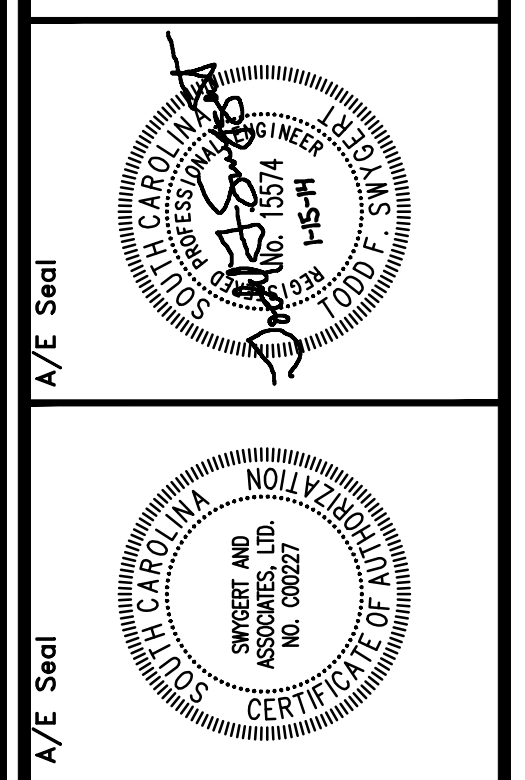
1. WITH PRE-ASSEMBLED PACKAGE INCLUDING CABLE, VALVES, PIPING, AND LEVEL CONTROLS WITH PANEL. MOUNT PANEL IN EQUIP. ROOM 202.
 2. WITH OIL SMART SWITCH AND ALARM KIT TO SENSE OIL, SHUTOFF PUMP, AND SOUND ALARM.
 3. OR APPROVED EQUAL BY STANCOR.

- GENERAL NOTES**
- ALL WORK SHALL BE PERFORMED ACCORDING TO ALL LOCAL STATE, NATIONAL CODES, AND THE 2012 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.
 - PROVIDE FOR ACCESS TO ALL EQUIPMENT REQUIRING CLEANING OR ADJUSTMENT.
 - SUBMIT ALL EQUIPMENT AND PRODUCTS PROPOSED TO BE USED FOR THIS PROJECT PRIOR TO ORDERING. SUBMIT SIX COPIES OF DATA SHEETS TO THE ENGINEER, BOUND IN A SINGLE VOLUME FOR APPROVAL.



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407-2010	JAN. 15, 2014	DEM	TES

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FLOOR PLANS, NOTES, AND SCHEDULE

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P1.1