

Colonial Life Arena Grease Trap Replacements  
University of South Carolina  
Project Number: 50003010

Mechanical Addendum One

October 1, 2019

NOTE: The following amendments, additions, and deletions shall be made to the Construction Documents and Contract Documents. Insofar as those documents are at variance with this Addendum, this Addendum shall govern.

Clarifications

- | <u>Item No.</u> | <u>Description</u>  |
|-----------------|---|
| 1.              | <u>Addition:</u> Please see attached sheet S1 for structural details.   |
| 2.              | <u>Revision:</u> Reference Drawing P2. Renovation note #3 has been revised.   |
| 3.              | <u>Revision:</u> Reference Drawing P3. Renovation note #3 has been revised.   |
| 4.              | <u>Revision:</u> Reference Drawing P6. Plumbing fixture schedule has been revised to show GT-2 as "Not Used". Additional Project Requirements has been revised.   |
| 5.              | Deadline to submit question to Stephen Schutte at <a href="mailto:stephen@swygert-associates.com">stephen@swygert-associates.com</a> is October 2, 2019 by 12 pm. Final addendum will be posted on October 3, 2019. |

END OF ADDENDUM

Attachments:

Pre-bid sign in sheet  
P2  
P3  
P6  
S1

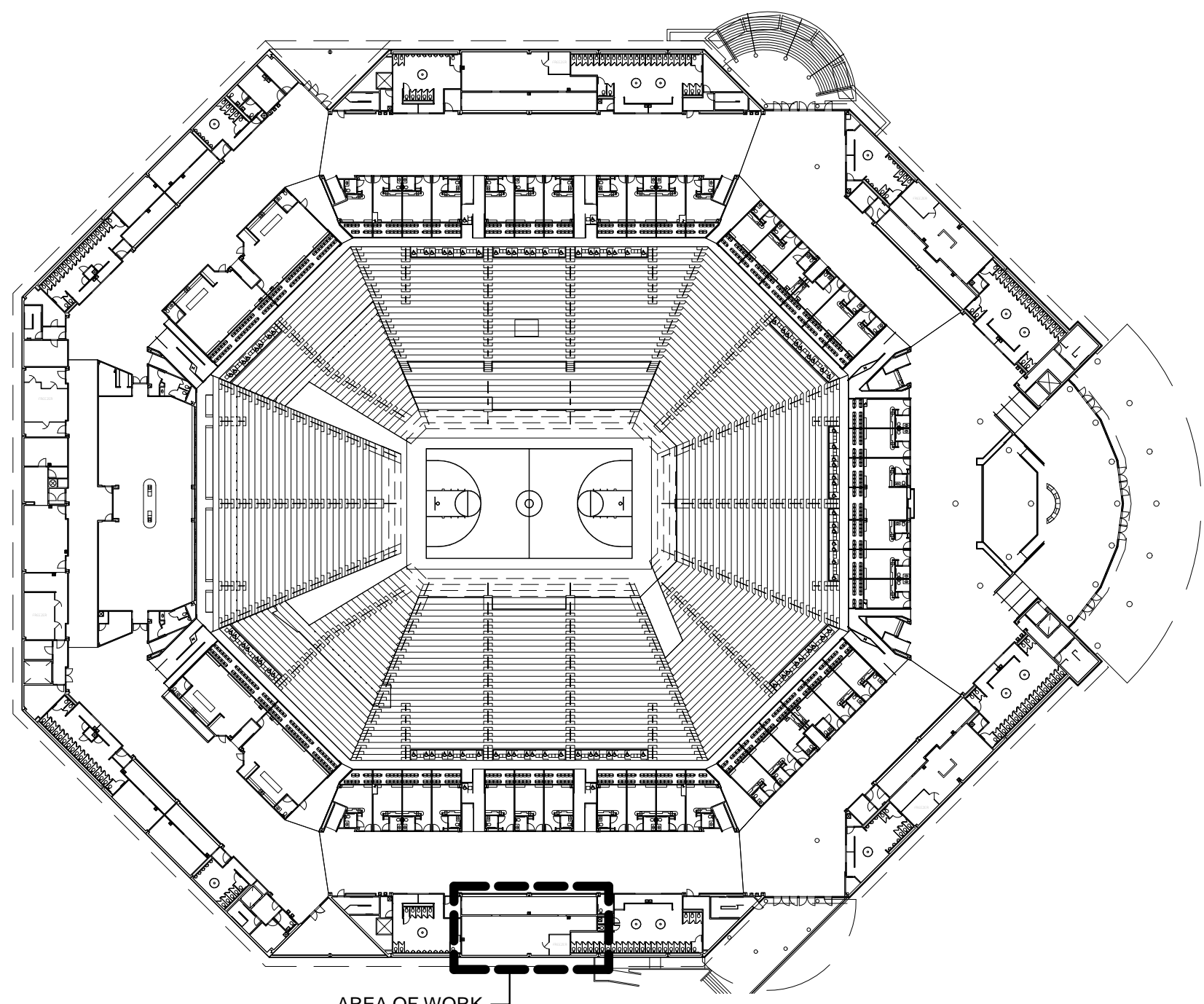
**University of South Carolina  
Pre Bid Sign In Sheet  
Columbia, South Carolina**

Colonial Life Arena Grease Trap  
Project  
50003010  
September 25, 2019@11:00am

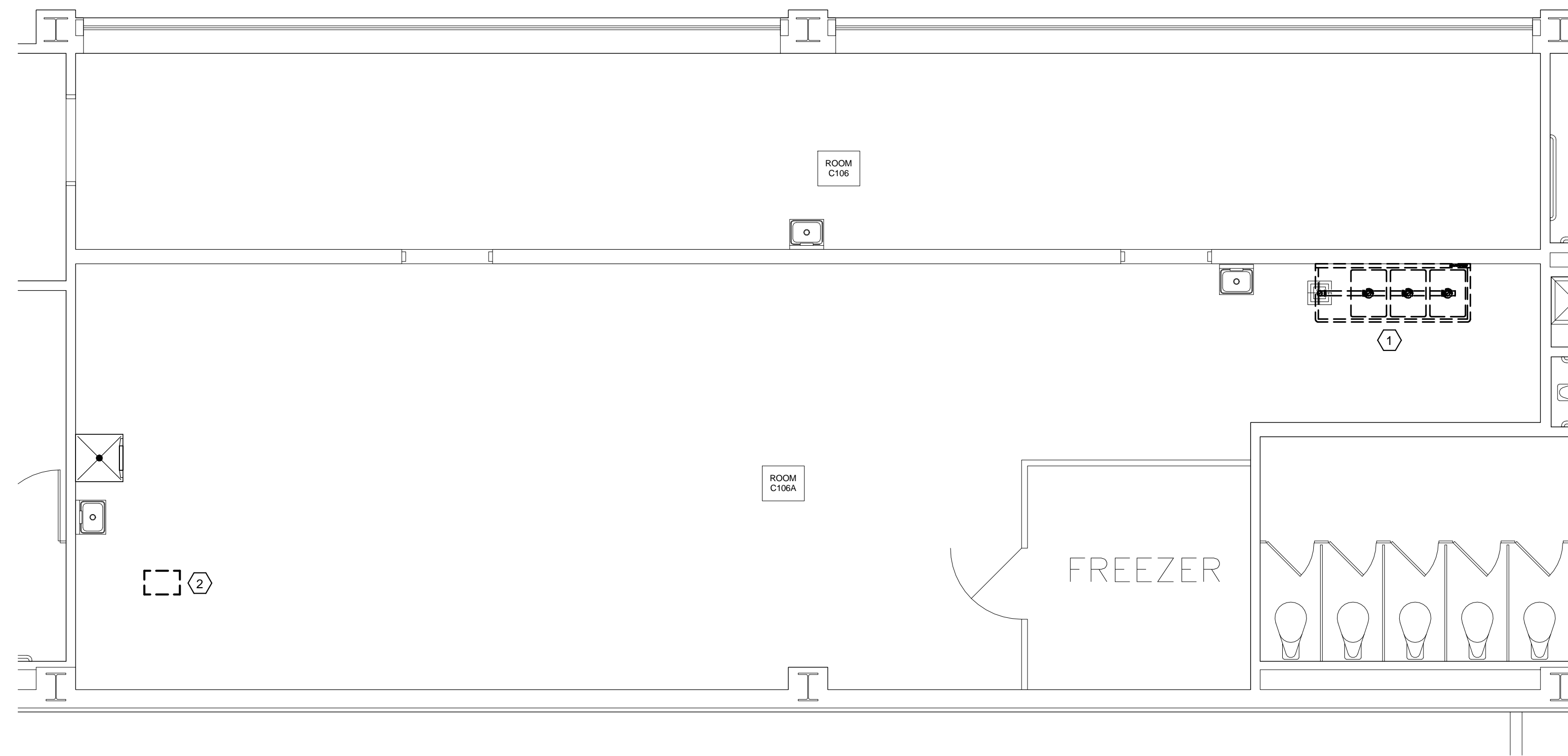
Project Name:  
Project Number:  
Pre Bid Date & Time:

SWMBE Contractor?	Name	Company Name	Address	Phone #	Email
S W M B E	JOHN ALLEN	USC	743 GREASE ST	667-1753	wilenjh2@MAILBOX.SC.EDU
S W M B E	Stephen Schutte	Suyget + Associates	1315 State St 1541 sitop rd.	791-9300 803	stephen@suyget-associates.com
S W M B E	ALEX DRAFTS	W.D. BLACKSTONE	COLA, SC 29201	360-6942	adrafts@wdbblackstone.com
S W M B E	Harceth Hinton	USC	1300 Pickens	777 9594	hikneth@mailbox.sc.edu
S W M B E					
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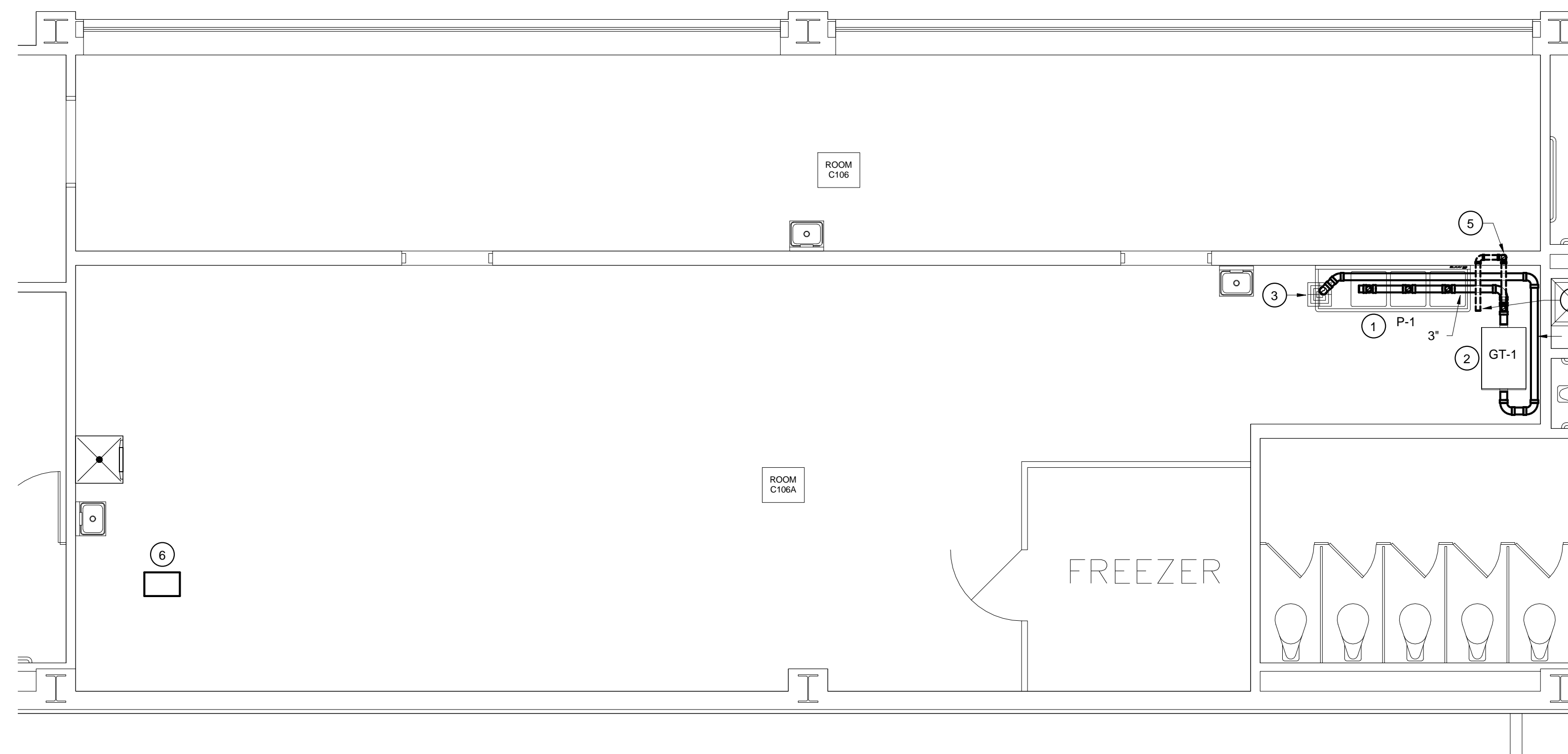
\*\*\*\*By signing this sheet you agree to receive information electronically.



**3 KEY PLAN - MARKET PLACE 106**  
P2 NO SCALE



**2 MARKET PLACE 106 - DEMOLITION PLAN**  
P2 1/4" = 1'-0"



**1 MARKET PLACE 106 - RENOVATION PLAN**  
P2 1/4" = 1'-0"

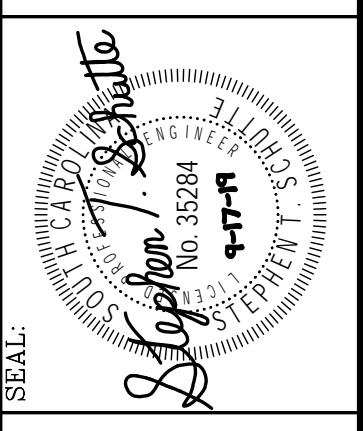
**DEMOLITION NOTES**

- EXISTING THREE COMPARTMENT SINK AND ALL DRAIN PIPING TO BE REMOVED COMPLETELY. EXISTING FAUCET SERVING THREE COMPARTMENT SINK TO REMAIN FOR CONNECTION TO NEW SINK.
- EXISTING GREASE TRAP TO BE REMOVED COMPLETELY.

**RENOVATION NOTES**

- PROVIDE NEW THREE COMPARTMENT SINK AS INDICATED IN THE PLUMBING FIXTURE SCHEDULE. NEW THREE COMPARTMENT SINK SHALL CONNECT TO EXISTING FAUCET. RAISE OR LOWER EXISTING FAUCET AS REQUIRED TO ACCOMMODATE NEW THREE COMPARTMENT SINK.
- PROVIDE NEW GREASE TRAP AS INDICATED IN THE PLUMBING FIXTURE SCHEDULE. COORDINATE GREASE TRAP LOCATION WITH USC BEFORE FINAL INSTALLATION.
- PROVIDE INDIRECT DISCHARGE INTO EXISTING FLOOR SINK AS SHOWN IN DETAIL (P.5)
- CONNECT 2" VENT TO EXISTING VENT ABOVE CEILING.
- 2" VENT FROM FLOW CONTROL UP IN EXISTING WALL.
- PATCH LOCATION OF EXISTING GREASE TRAP PER THE STRUCTURAL DRAWINGS.

CAMPUS PLANNING  
AND CONSTRUCTION  
COLUMBIA, SC 29208



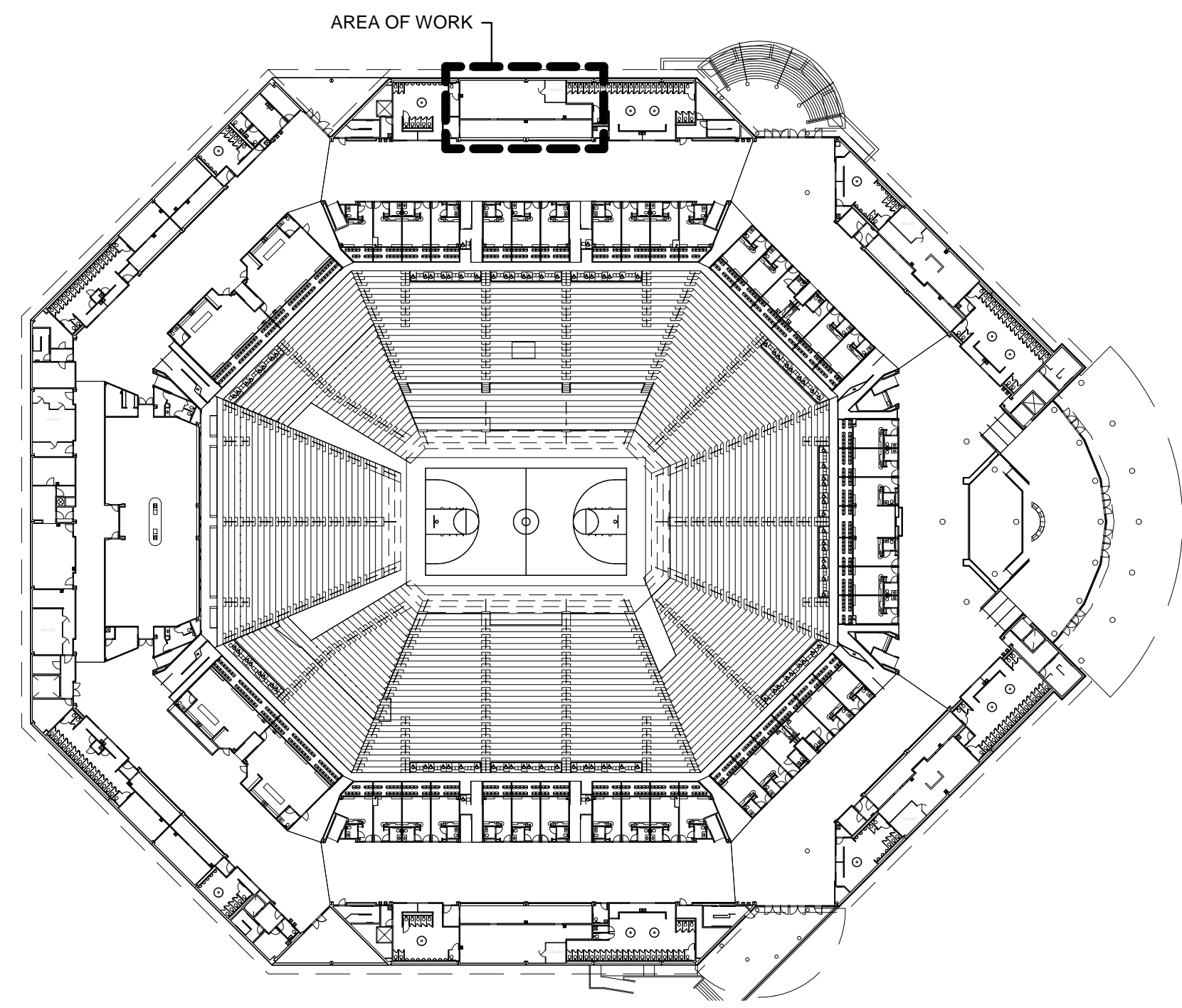
REV.	DATE	DESCRIPTION	DATE	DATE	DATE
1					

PROJECT TITLE: COLONIAL CENTER GREASE TRAP REPLACEMENTS  
BUILDING: 158  
DRAWING: 50003010  
DATE: 05/06/19  
CHECKED BY: TFS  
ORIG. BY:  
DRAWN BY:  
DATE:

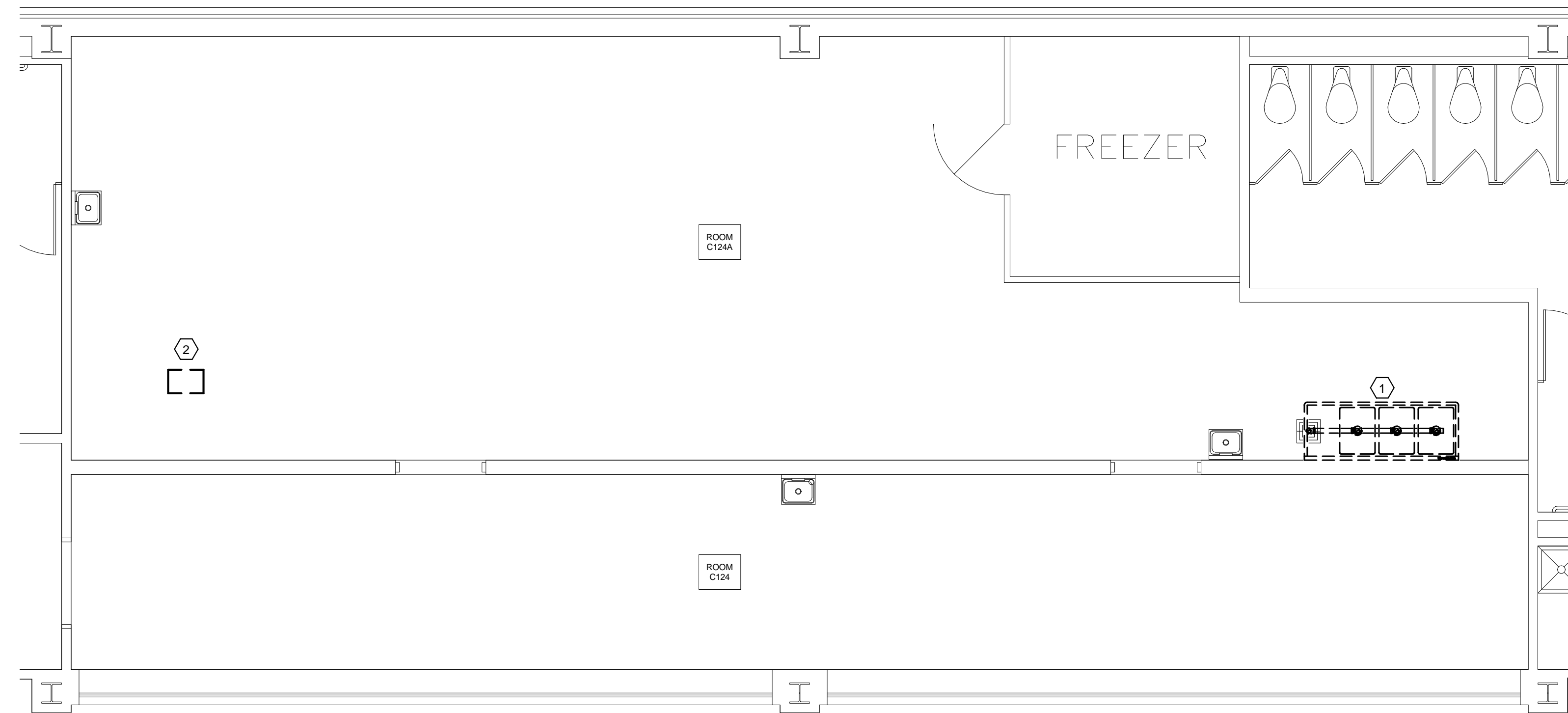
SHEET: **P2**  
OF  
SHEET IN SET:

**Swygert & Associates**  
CONSULTING ENGINEERS  
PBA Swygert & Assoc., Ltd. Telephone: (803) 791-3300  
Flag Office: No. 1199A Fax: (803) 791-3900  
Columbia, S.C. 29211 mail@swygert-associates.com

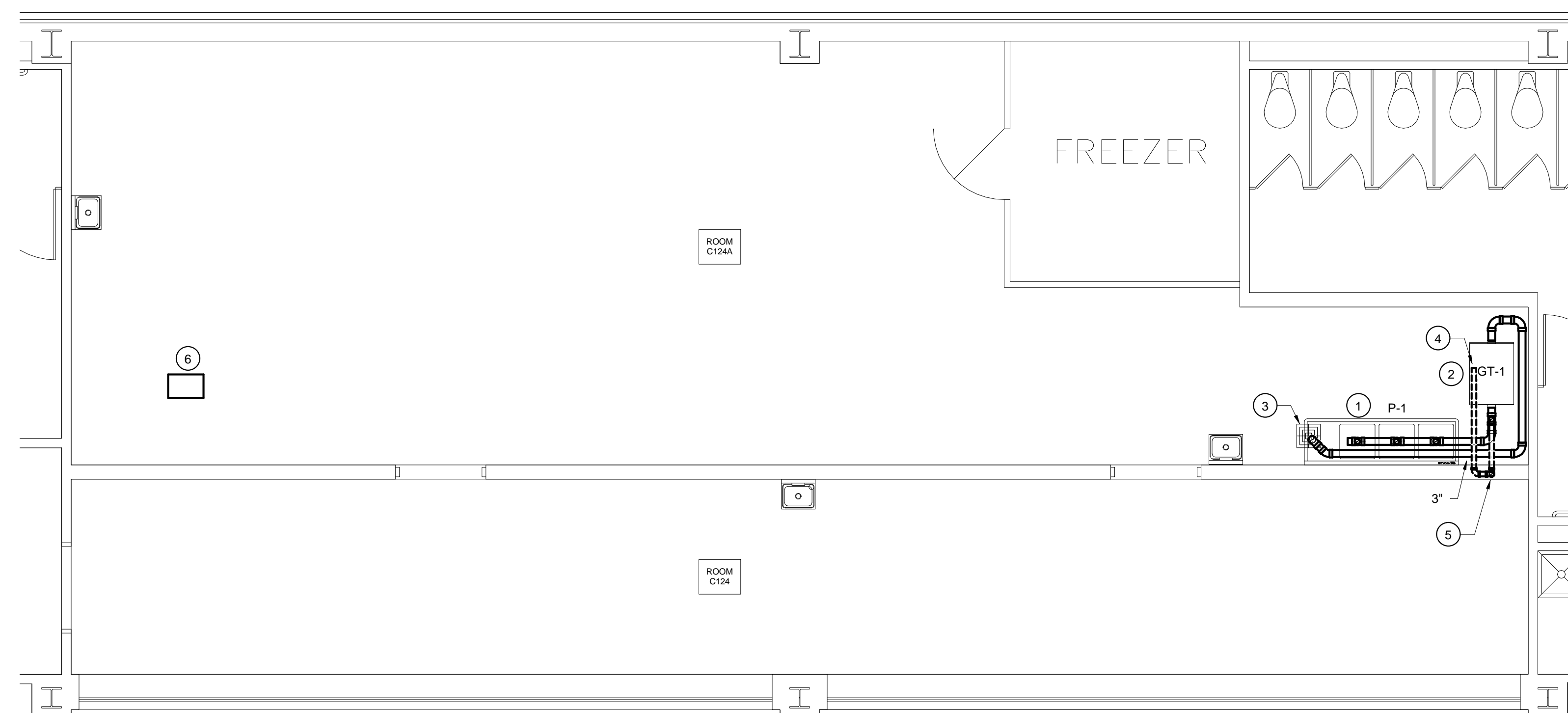
University of South Carolina



3 KEY PLAN - MARKET PLACE 124  
P3 NO SCALE



1 MARKET PLACE 124 - DEMOLITION PLAN  
P3 1/4" = 1'-0"



2 MARKET PLACE 124 - RENOVATION PLAN  
P3 1/4" = 1'-0"

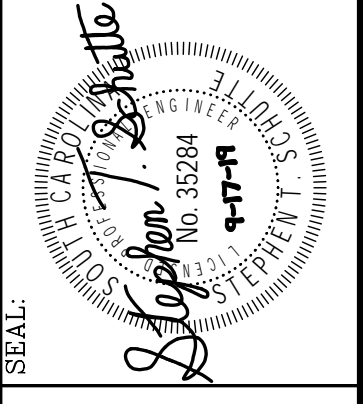
**DEMOLITION NOTES**

- 1 EXISTING THREE COMPARTMENT SINK AND ALL DRAIN PIPING TO BE REMOVED COMPLETELY. EXISTING FAUCET SERVING THREE COMPARTMENT SINK TO REMAIN FOR CONNECTION TO NEW SINK.
- 2 EXISTING GREASE TRAP TO BE REMOVED COMPLETELY.

**RENOVATION NOTES**

- 1 PROVIDE NEW THREE COMPARTMENT SINK AS INDICATED IN THE PLUMBING FIXTURE SCHEDULE. NEW THREE COMPARTMENT SINK SHALL CONNECT TO EXISTING FAUCET. RAISE OR LOWER EXISTING FAUCET AS REQUIRED TO ACCOMMODATE NEW THREE COMPARTMENT SINK.
- 2 PROVIDE NEW GREASE TRAP AS INDICATED IN THE PLUMBING FIXTURE SCHEDULE. COORDINATE GREASE TRAP LOCATION WITH USC BEFORE FINAL INSTALLATION.
- 3 PROVIDE INDIRECT DISCHARGE INTO EXISTING FLOOR SINK AS SHOWN IN DETAIL (P6).
- 4 CONNECT 2" VENT TO EXISTING VENT ABOVE CEILING.
- 5 2" VENT FROM FLOW CONTROL UP IN EXISTING WALL.
- 6 PATCH LOCATION OF EXISTING GREASE TRAP PER THE STRUCTURAL DRAWINGS.

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COLUMBIA, SC 29208

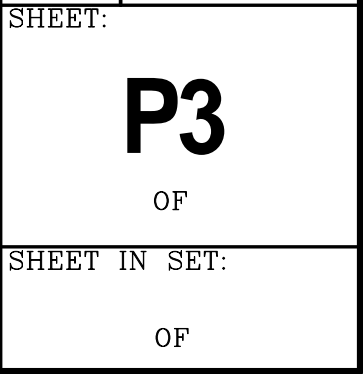


DATE	DESCRIPTION	BY
05/06/19		TFS
		DR
		OR
		CH
		CK
		SE

PROJECT TITLE: COLONIAL CENTER GREASE TRAP REPLACEMENTS  
BUILDING: 158  
DRAWING: 50003010  
DATE: 05/06/19  
REV: 1  
ADDENDUM #1

SHEET: **P3**  
OF  
SHEET IN SET:  
OF

Swygart & Associates  
CONSULTING ENGINEERS  
PBA Swygart & Assoc., Ltd. Telephone: (803) 791-3300  
Flag Office: 11496 Telephone: (803) 791-3300  
Columbia, S.C. 29211 Fax: (803) 791-3300  
mailto:swygart@swygart.com



PLUMBING FIXTURE SCHEDULE								
P. NO.	FIXTURE	MFG.	NAME	MFGRS. NO.	SIZE	MIN. SUPPLY		REMARKS
						CW	HW	
P-1	THREE COMPARTMENT SINK	ELKAY	---	3C18X18-2-18X	---	--	--	WITH 16 GAUGE TYPE 300 STAINLESS STEEL CONSTRUCTION, 12" DEEP BOWLS AND LK24RT ROTARY LEVER.
GT-1	GREASE TRAP	ZURN	---	Z-1170-700	---	--	--	WITH ACID RESISTANT COATED FABRICATED STEEL AND INTEGRAL FLOW CONTROL.
GT-2	NOT USED	---	---	---	---	--	--	---
GT-3	GREASE TRAP	GREEN TURTLE	PROCEPTOR	GMC-500	400 GALLONS	---	---	WITH EXTENSION COLLAR. FIELD VERIFY REQUIRED COLLAR LENGTH. GREASE TRAP SHALL BE APPROVED BY CITY OF COLUMBIA BEFORE INSTALLATION.
FCO	FLOOR CLEANOUT	ZURN	---	ZN-1400	---	--	--	WITH POLISHED NICKEL BRONZE TOP.
FS	FLOOR SINK	ZURN	---	ZN-1900-2	---	--	--	WITH 12"x12" TOP WITH HALF GRATE.

NOTE: SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS OF ALL WALL MOUNTED FIXTURES.

**SPECIFICATIONS**

**WASTE AND VENT PIPING:**  
 ALL WASTE AND VENT PIPING BELOW SLAB SHALL BE SCHEDULE 40 PVC PLASTIC PIPE AND FITTINGS CONFORMING TO ASTM D 2685 OR ASTM 2661. JOINTS FOR PVC PIPE SHALL BE MADE USING SOLVENT CEMENT. "CO-EX" PIPING IS NOT APPROVED.

ALL WASTE AND VENT PIPING ABOVE SLAB SHALL BE STANDARD WEIGHT HUBLESS CAST IRON WITH HEAVY DUTY CLAMPS BY HUSKY OR MISSION.

ALL INDIRECT WASTE AS REQUIRED FROM ITEMS OF KITCHEN EQUIPMENT TO FLOOR DRAINS OR FLOOR SINKS SHALL BE TYPE L COPPER PIPING AND SHALL BE PROVIDED BY PLUMBING CONTRACTOR.

**SUPPLY PIPING:**  
 ALL SUPPLY PIPING SHALL BE TYPE L COPPER WITH LEAD FREE JOINTS. INSULATE ALL SUPPLY PIPING WITH 1" THICK FIBERGLASS INSULATION WITH ALL SERVICE JACKET.

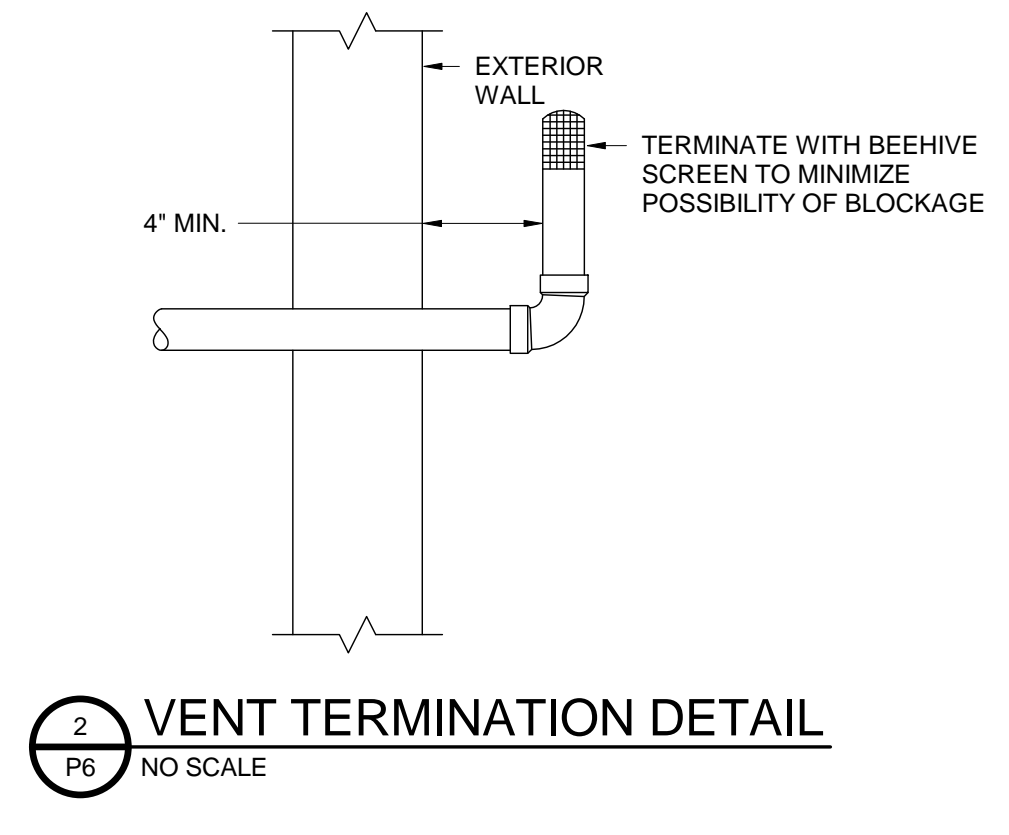
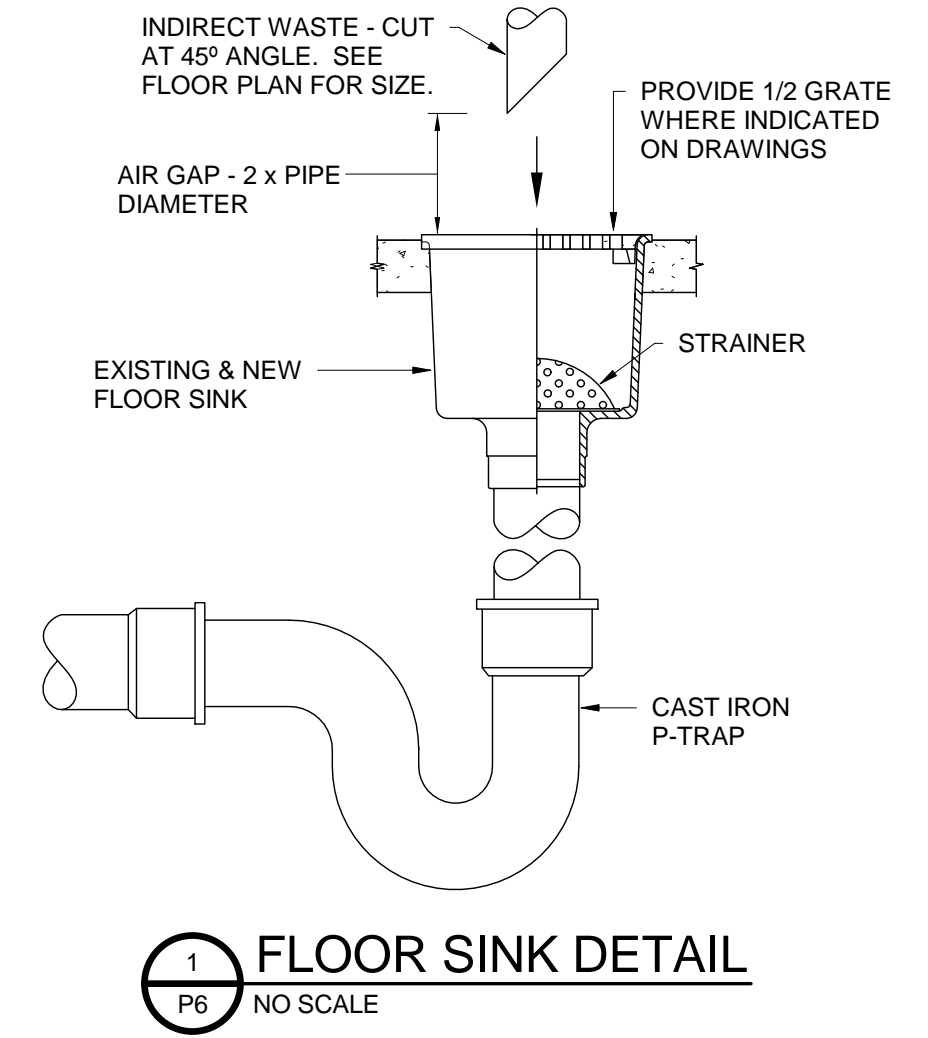
**ADDITIONAL PROJECT REQUIREMENTS**

**SCHEDULE:**  
 THE CONTRACTOR SHALL COORDINATE ALL WORKING HOURS WITH THE UNIVERSITY. CONTRACTOR SHALL CONTACT JOHN ALLEN (ALLENJH2@MAILBOX.SC.EDU) FOR AVAILABLE WORKING HOURS.

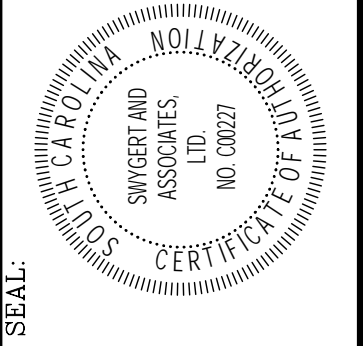
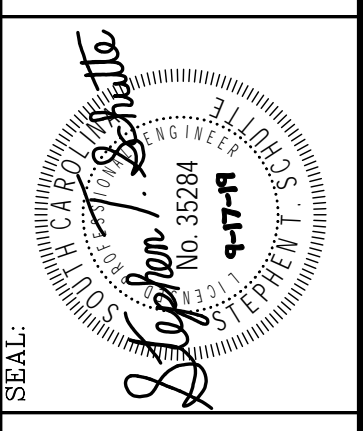
- GENERAL NOTES**
- ALL WORK SHALL BE PERFORMED ACCORDING TO ALL LOCAL STATE, NATIONAL CODES, THE 2015 INTERNATIONAL PLUMBING CODE, AND CITY OF COLUMBIA GREASE TRAP/INTERCEPTOR REQUIREMENTS.
  - THIS CONTRACTOR SHALL, PRIOR TO BIDDING, VISIT THE SITE AND DETERMINE SCOPE OF WORK AND POINTS OF CONNECTION FOR NEW WORK.
  - DRAWINGS ARE BASED ON INFORMATION TAKEN FROM OWNER'S AS BUILT SET. FIELD VERIFY ALL EXISTING ITEMS PRIOR TO COMMENCING WORK.
  - COORDINATE CLOSELY WITH ALL EXISTING UTILITIES TO AVOID INTERFERENCE AND CONFLICT.
  - PROVIDE FOR ACCESS TO ALL EQUIPMENT REQUIRING CLEANING OR ADJUSTMENT.
  - ALL DEMO ITEMS TO BE REMOVED FROM SITE AND DISPOSED OF PROPERLY.
  - THIS PROJECT SHALL BE DONE IN PHASES AS REQUIRED BY THE OWNER. CONTRACTOR SHALL COORDINATE WITH THE OWNER ON SEQUENCE OF GREASE TRAP REPLACEMENT BEFORE BEGINNING WORK.
  - REMOVAL AND REPLACEMENT OF EXISTING CEILING FOR NEW WORK SHALL BE DONE BY THIS CONTRACTOR. ANY TILES THAT ARE DAMAGED SHALL DURING REMOVAL SHALL BE REPLACED BY THIS CONTRACTOR.
  - THIS CONTRACTOR SHALL SURVEY ALL UNDERSLAB UTILITIES PRIOR TO BEGINNING WORK.
  - ALL AREAS OF WORK SHALL BE PARTITIONED OFF FROM THE REST OF THE BUILDING WITH PLASTIC BARRIERS.
  - CUTTING OF WALLS, FLOORS, ROOFS, PARTITIONS, AND CEILING, REQUIRED FOR PROPER INSTALLATION OF THE SYSTEMS SHALL BE PERFORMED UNDER THIS CONTRACT.
  - CUTTING SHALL BE DONE IN A NEAT, WORKMANLIKE MANNER. NO JOIST, GIRDERS, COLUMNS, OR OTHER STRUCTURAL MEMBERS MAY BE CUT WITHOUT WRITTEN PERMISSION FROM THE ENGINEER. WHEN POSSIBLE, HOLES SHALL BE SAW-CUT OR CORE DRILLED NEAT TO MINIMIZE PATCHING.
  - RE-ROUTING OF EXISTING PIPES, INSULATION, ETC. AS REQUIRED FOR INSTALLATION OF NEW SYSTEM IS INCLUDED IN THIS WORK. ALL WORK SHALL BE DONE IN ACCORDANCE WITH SPECIFICATIONS FOR NEW WORK OF THE PARTICULAR TYPE INVOLVED.
  - PATCHING SHALL BE PERFORMED TO MATCH EXISTING STRUCTURES, EXTERIOR WALLS AND ROOFS, AND SHALL FORM WATERTIGHT INSTALLATION.
  - AT THE COMPLETION OF THE CONTRACT WORK, ALL AREAS WHERE WORK HAS BEEN PERFORMED SHALL BE LEFT CLEAN. ALL TRASH SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.
  - THE CONTRACTOR SHALL FURNISH TO THE OWNER A WRITTEN WARRANTY FOR THE INSTALLATION AS INSTALLED, INCLUDING ALL EQUIPMENT COVERED WITHIN THE CONTRACT DOCUMENTS TO PERFORM IN A QUIET, EFFICIENT, AND SATISFACTORY MANNER WITH NO MORE THAN NORMAL SERVICE. THE WARRANTY SHALL EXTEND FOR A PERIOD OF ONE YEAR FOLLOWING SUBSTANTIAL COMPLETION AND ACCEPTANCE OF CONSTRUCTION. THEY SHALL BE ENDORSED BY THE CONTRACTOR.

**LEGEND**

SYMBOL	DESCRIPTION
	SANITARY WASTE LINE
	SANITARY VENT LINE
	GREASE WASTE LINE (SLOPED 1/4" / 12" TOWARDS GREASE TRAP)
	PIPE TURNS TO AWAY
FCO	FLOOR CLEANOUT
AFF	ABOVE FINISHED FLOOR
	CONNECTION POINT OF NEW TO EXISTING



CAMPUS PLANNING  
AND CONSTRUCTION  
COLUMBIA, SC 29208



CHECKED BY:	DATE:
IFS	05/06/19
DRN BY:	
ORG. BY:	
DATE:	

DATE:	DESCRIPTION:
05/06/19	

REV:	ADDENDUM #1
1	

PROJECT TITLE: COLONIAL CENTER GREASE TRAP REPLACEMENTS  
 BUILDING: 158  
 DRAWING: 50003010  
 DATE: 05/06/19

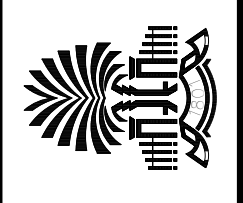
Swygart & Associates  
CONSULTING ENGINEERS

**P6**  
OF

SHEET IN SET:  
OF

Swygart & Associates  
CONSULTING ENGINEERS

P6  
OF



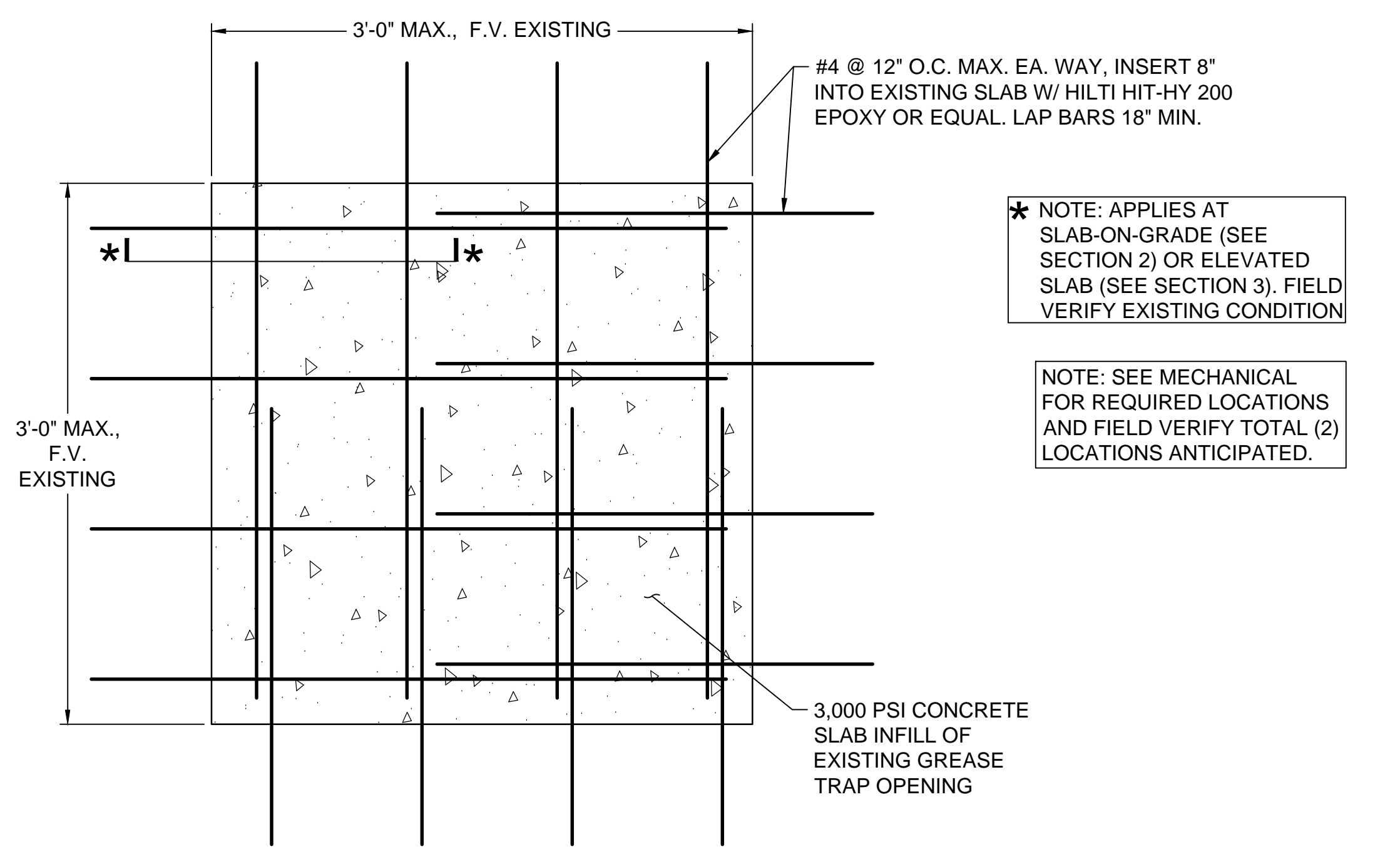
University of South Carolina

SWY 2019-05-06 11:58 AM  
 3010 05/06/19 11:58 AM  
 3010 05/06/19 11:58 AM

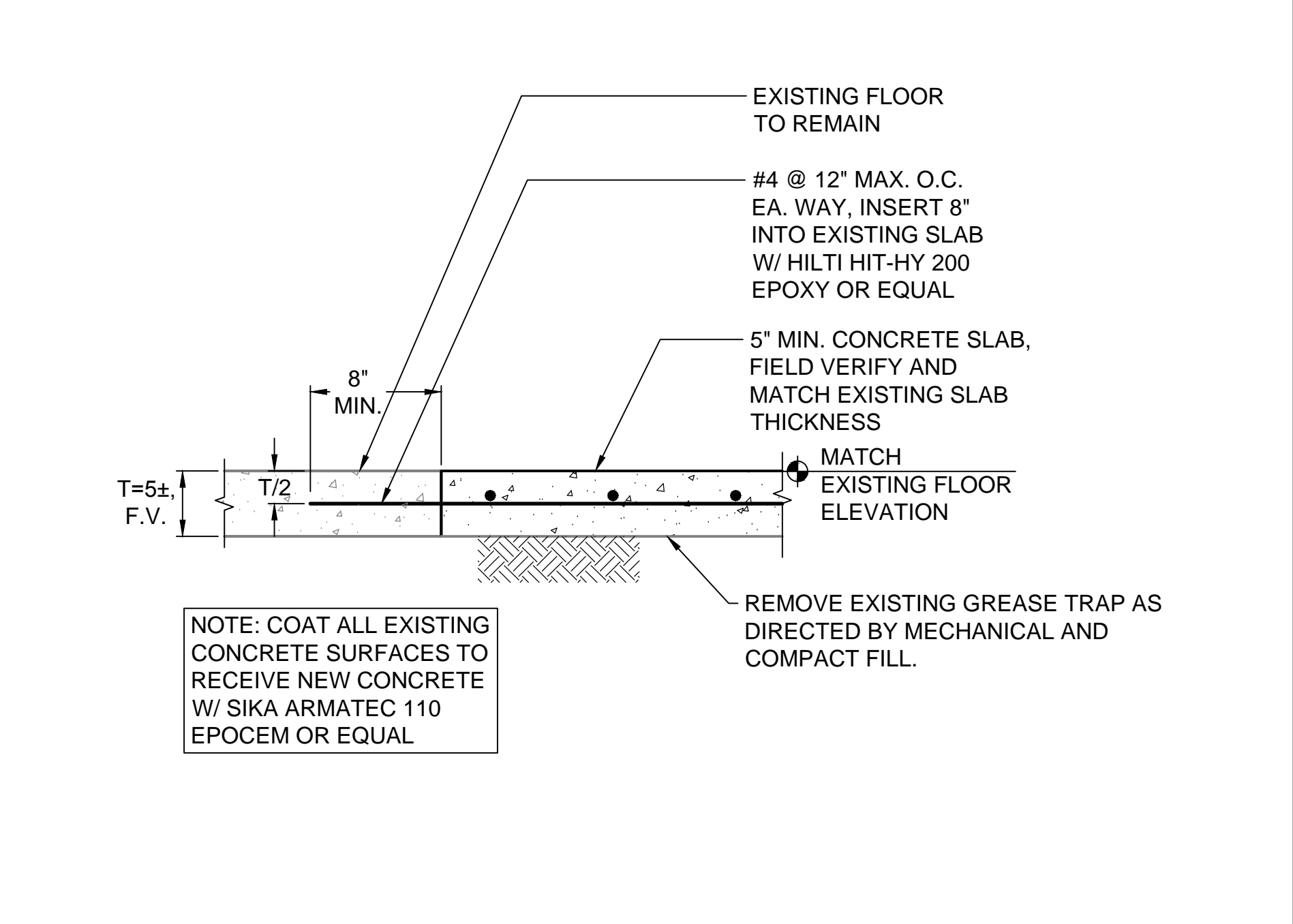
- General Notes:**  
 Design Specifications: International Building Code (2015 Edition).  
 Design Loads:  
 Floor live load: 100 PSF  
 Dead load: Actual
- In case of a discrepancy in dimensions or details, between Mechanical and Structural Drawings, not affecting strength, the Mechanical plans shall govern. For dimensions and details not shown, see Mechanical plans.
  - The construction falsework design (if any) is the responsibility of the Contractor. The design shall be performed by a Registered Engineer and shall be submitted for approval before commencing of the work.
  - Where a detail is shown on Structural Drawings for one condition, it shall apply to all similar or like conditions, unless noted or shown otherwise on plans.
  - All items shall be tightly anchored or attached square, plumb, and true, or in other planes and shapes as shown on the drawings. Joints shall be tight, even, and free of offsets. No field altering of any members will be allowed that will cause them not to be in accordance with the drawings and specifications, without written approval of the Project Engineer.
  - The dimensions shown with a suffix "L" are approximate and shall be verified by the Contractor before fabrication.
  - If the Contractor finds a difference between these drawings & existing conditions, or finds any other conditions which prohibit execution of the work as directed in these drawings, the Contractor shall notify the Engineer immediately.
  - The Owner shall employ a laboratory to perform the quality assurance, sampling, testing and/or inspection at his expense. Final selection of such laboratory shall be approved by the Engineer.
  - Any revision/modification to the original design during the shop drawing process, the Contractor shall clearly cloud line all the changes and shall receive approval from the Engineer in writing before fabrication. Any costs associated with correcting the unapproved change shall be at the Contractor's expense.

**Concrete:**

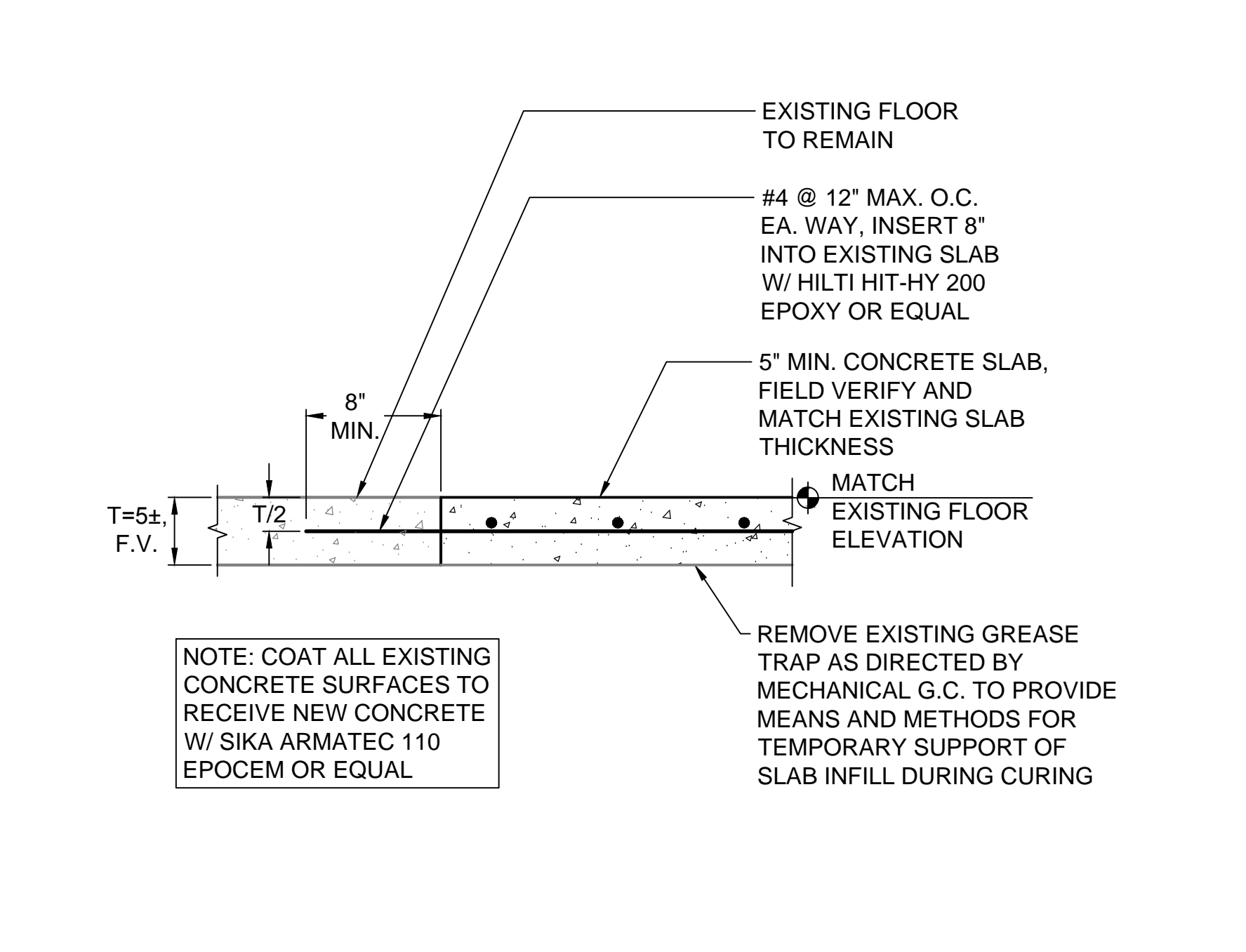
- Concrete minimum compressive strength at 28 days shall be 3,000 PSI.
- Reinforcement: all mild reinforcement bar shall be A615 grade 60 steel. All welded wire fabric shall conform to ASTM A185, grade 65. All welded wire fabric shall be in sheets and shall be supported on chairs.
- Bending dimensions & tolerances for reinforcing bar shall conform to current CRSI Manual of Standard Practice.
- Lap splices shall conform to the current CRSI Manual of Standard Practice unless otherwise noted.
- Horizontal construction joints to be scrubbed with a coarse wire brush at the approximate time of initial set to remove all laitance and to produce a roughened surface.
- Concrete work shall comply with ACI "Specifications for Structural Concrete" (ACI 301-10) and applicable provisions of ACI 318-14. Keep a copy of ACI Field Reference Manual (ACI SP-15-10) which includes ACI 301 and other ACI and ASTM references on the job.
- Detailing, fabricating, and placing of reinforcing steel and accessories shall be in accordance with ACI "Details and Detailing of Concrete Reinforcement" (ACI 315-99) and shall comply with (ACI 318-14) and with (ACI 301-10).
- The contractor shall select the testing laboratory & employ the laboratory at the contractor's expense to perform concrete strength testing per ACI 318-14. Final selection of testing laboratory shall be approved by engineer.



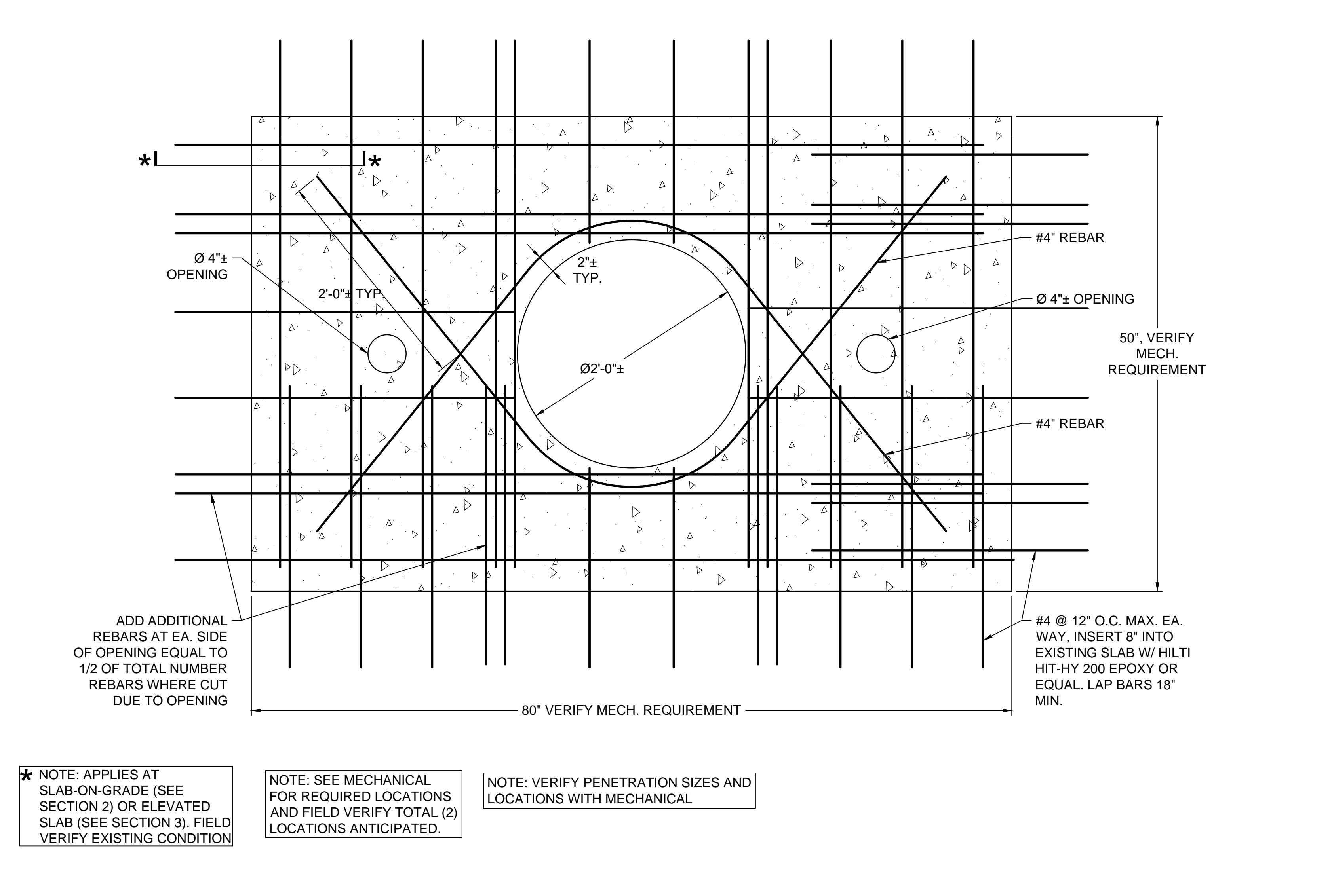
1 - TYPICAL SLAB INFILL PLAN DETAIL Scale: 1 1/2" = 1'-0"



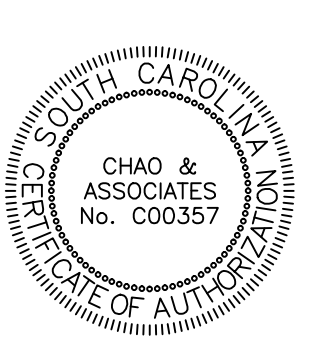
2 - SLAB-ON-GRADE INFILL SECTION Scale: 1 1/2" = 1'-0"



3 - ELEVATED SLAB INFILL SECTION Scale: 1 1/2" = 1'-0"



4 - SLAB INFILL AT NEW GREASE TRAP BELOW FLOOR PLAN DETAIL Scale: 1 1/2" = 1'-0"



DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
06/26/19	06/26/19	06/26/19	06/26/19	06/26/19	06/26/19	06/26/19	06/26/19	06/26/19	06/26/19
50003010	50003010	50003010	50003010	50003010	50003010	50003010	50003010	50003010	50003010
158	158	158	158	158	158	158	158	158	158
CJH	CJH	CJH	CJH	CJH	CJH	CJH	CJH	CJH	CJH
LPL	LPL	LPL	LPL	LPL	LPL	LPL	LPL	LPL	LPL

