

COLONIAL LIFE ARENA GREASE TRAP REPLACEMENTS USC PROJECT NUMBER: 50003010

COLUMBIA, SC
CONSTRUCTION DOCUMENTS

DRAWING INDEX

GENERAL

T1 TITLE SHEET

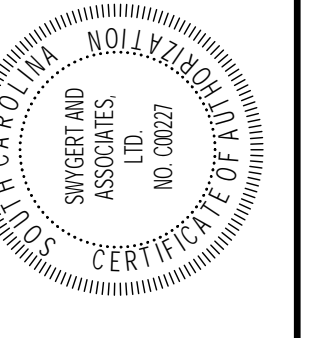
PLUMBING

- P1 ORIENTAL WOK / CHICKEN & WAFFLES - PLUMBING PLANS
- P2 MARKET PLACE 106 - PLUMBING PLANS
- P3 MARKET PLACE 124 - PLUMBING PLANS
- P4 GAMECOCK CLASSIC / MARCOS PIZZA - PLUMBING PLANS
- P5 MAIN KITCHEN - PLUMBING PLANS
- P6 NOTES, SCHEDULES, LEGEND, & DETAILS

STRUCTURAL

S1 STRUCTURAL DETAILS

CAMPUS PLANNING
AND CONSTRUCTION
COLUMBIA, SC 29208



CHECKED BY	DATE

ORIG. BY	DATE

DRAWN BY	DATE

DATE	DESCRIPTION

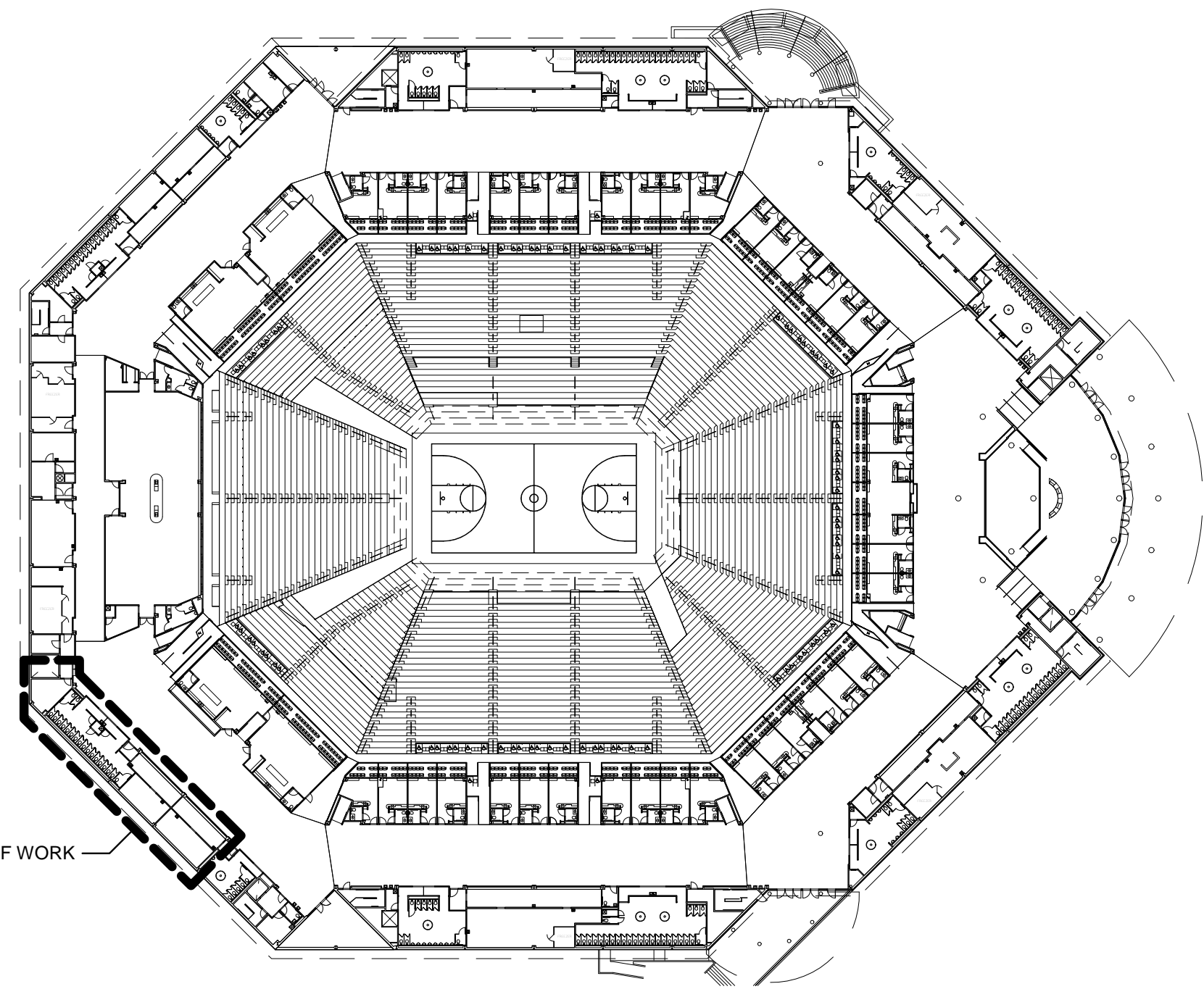
REV.	DATE	DESCRIPTION

PROJECT TITLE: COLONIAL CENTER GREASE TRAP REPLACEMENTS
UNIVERSITY OF SOUTH CAROLINA

SHEET: **T1**
OF
SHEET IN SET:
OF

Swygert & Associates
CONSULTING ENGINEERS

204 Swygert & Assoc., Ltd. Telephone: (803) 791-3300
204 Office Bldg. 1166 Fax: (803) 791-3800
Columbia, S.C. 29211 mail@swygert-associates.com



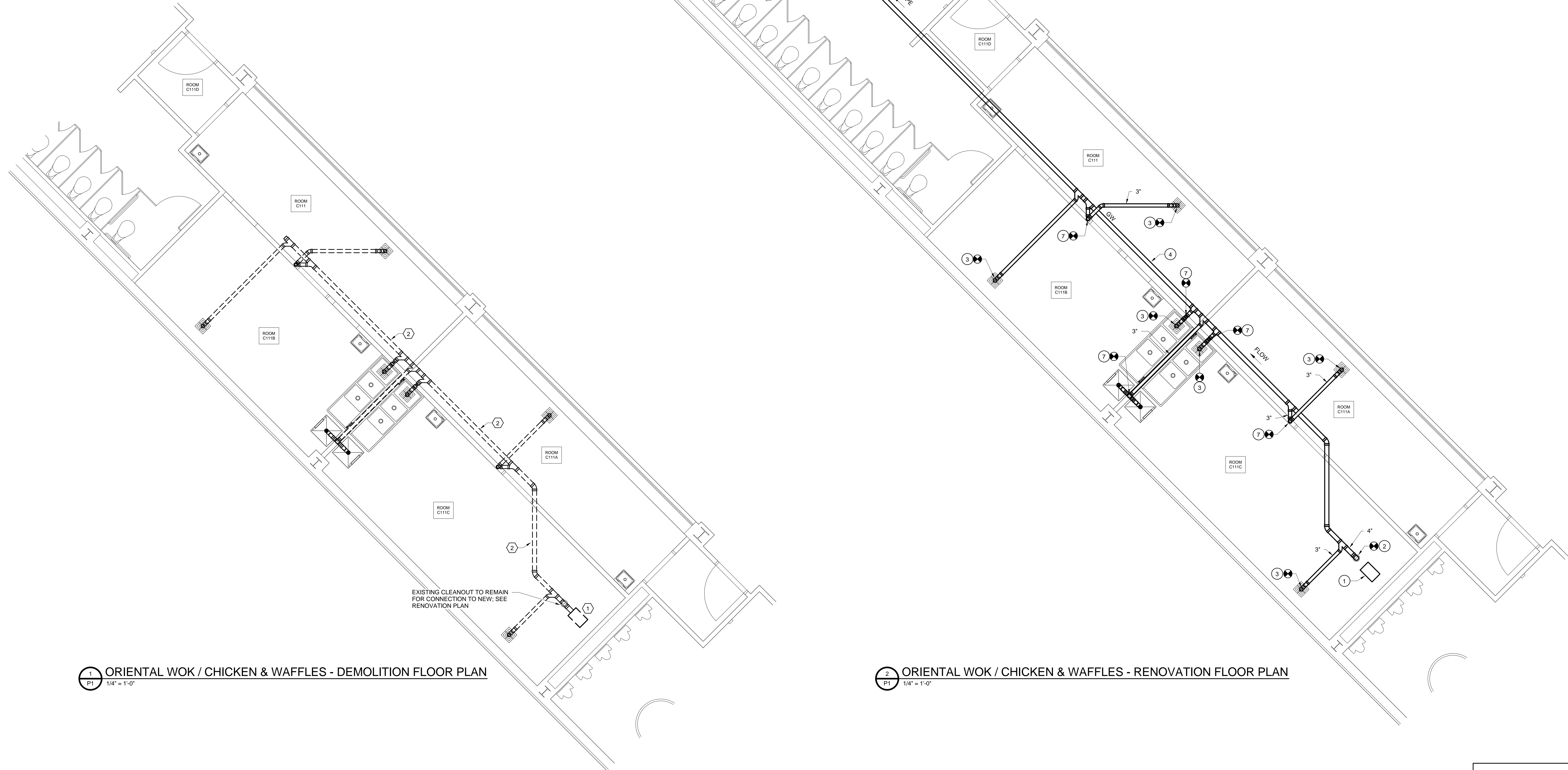
3 KEY PLAN - ORIENTAL WOK / CHICKEN & WAFFLES
P1 NO SCALE

DEMOLITION NOTES

- EXISTING GREASE TRAP TO BE REMOVED COMPLETELY, INCLUDING ALL HANGING SUPPORTS. PIPING ON OUTLET SIDE OF GREASE TRAP SHALL BE CAPPED ABOVE CEILING.
- EXISTING WASTE PIPING TO BE REMOVED COMPLETELY AS INDICATED. FIELD VERIFY EXISTING PIPING CONNECTIONS BEFORE REMOVAL.

RENOVATION NOTES

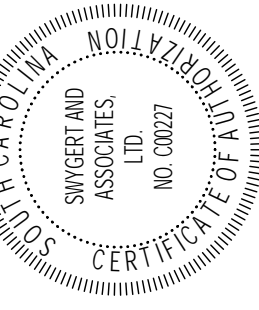
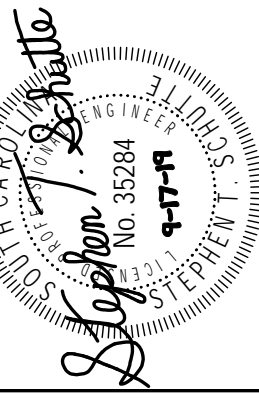
- EXISTING SLAB PENETRATION SHALL BE PATCHED WITH NEW CONCRETE TO MATCH EXISTING FINISHES IN ROOM. SEE STRUCTURAL DETAIL FOR PATCHING REQUIREMENTS.
- CONNECT TO EXISTING CLEANOUT.
- CONNECT TO EXISTING FLOOR SINK, PROVIDE NEW P-TRAP AND PIPING AS REQUIRED.
- NEW GREASE WASTE LINE SLOPED AT 1/4" / 12' AS INDICATED ON DRAWINGS. COORDINATE NEW GREASE WASTE LINE WITH EXISTING UTILITIES IN SPACE.
- CONNECT TO EXISTING GREASE WASTE RISER AT THIS APPROXIMATE LOCATION.
- CONNECT TO EXISTING JANITOR'S SINKS, PROVIDE NEW P-TRAP AND PIPING AS REQUIRED.
- CONNECT TO EXISTING VENT PIPE.



1 ORIENTAL WOK / CHICKEN & WAFFLES - DEMOLITION FLOOR PLAN
P1 1/4" = 1'-0"

2 ORIENTAL WOK / CHICKEN & WAFFLES - RENOVATION FLOOR PLAN
P1 1/4" = 1'-0"

CAMPUS PLANNING
AND CONSTRUCTION
COLUMBIA, SC 29208

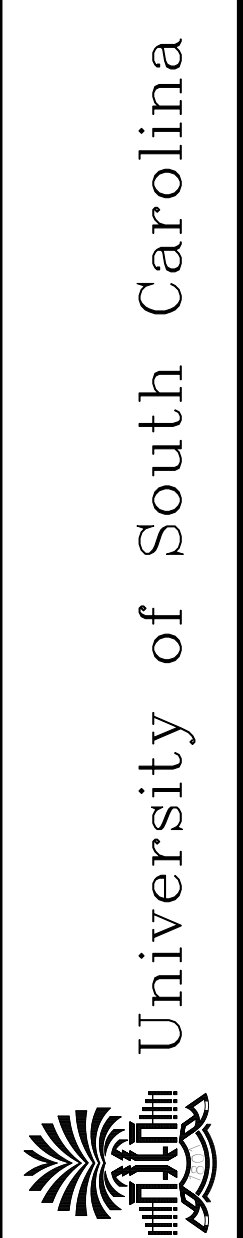


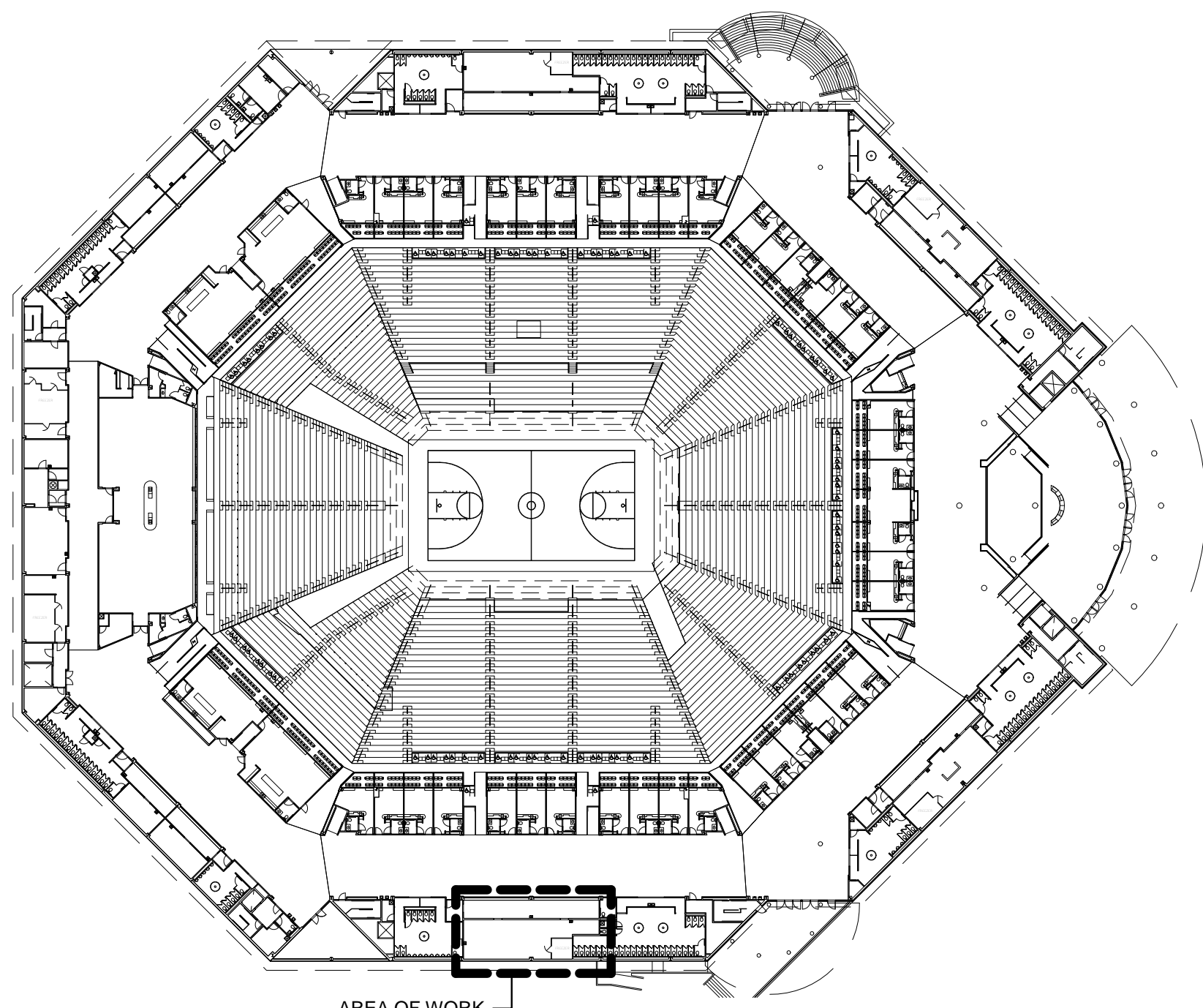
DATE	DESCRIPTION	DATE	DATE
05/06/19			

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

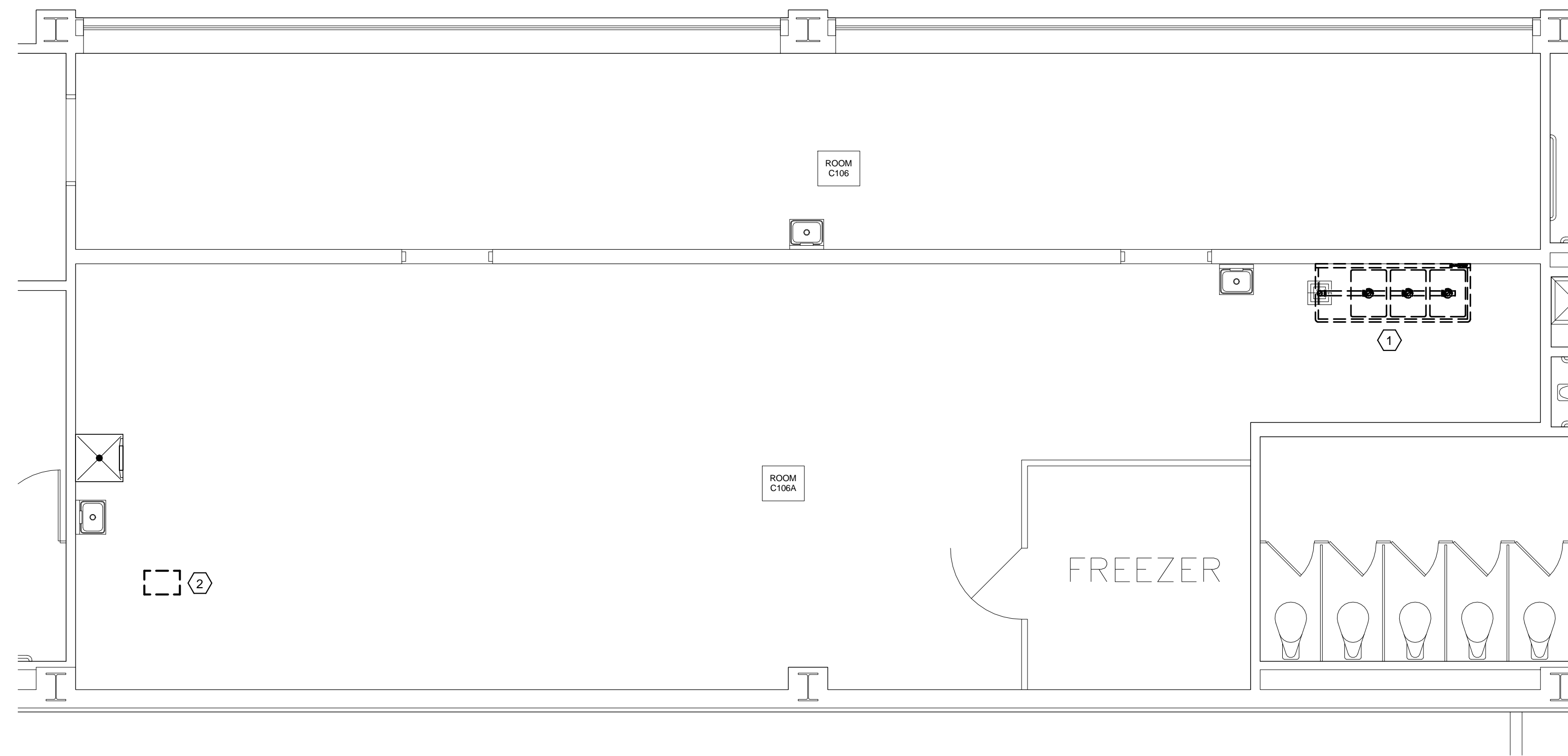
SHEET: P1
OF
SHEET IN SET: []
OF

Swygart & Associates
CONSULTING ENGINEERS
PMA, Swygart & Assoc., Ltd. Telephone: (803) 791-3300
Fax: (803) 791-3996
2000 North Main Street, Columbia, SC 29201
www.swygart-associates.com

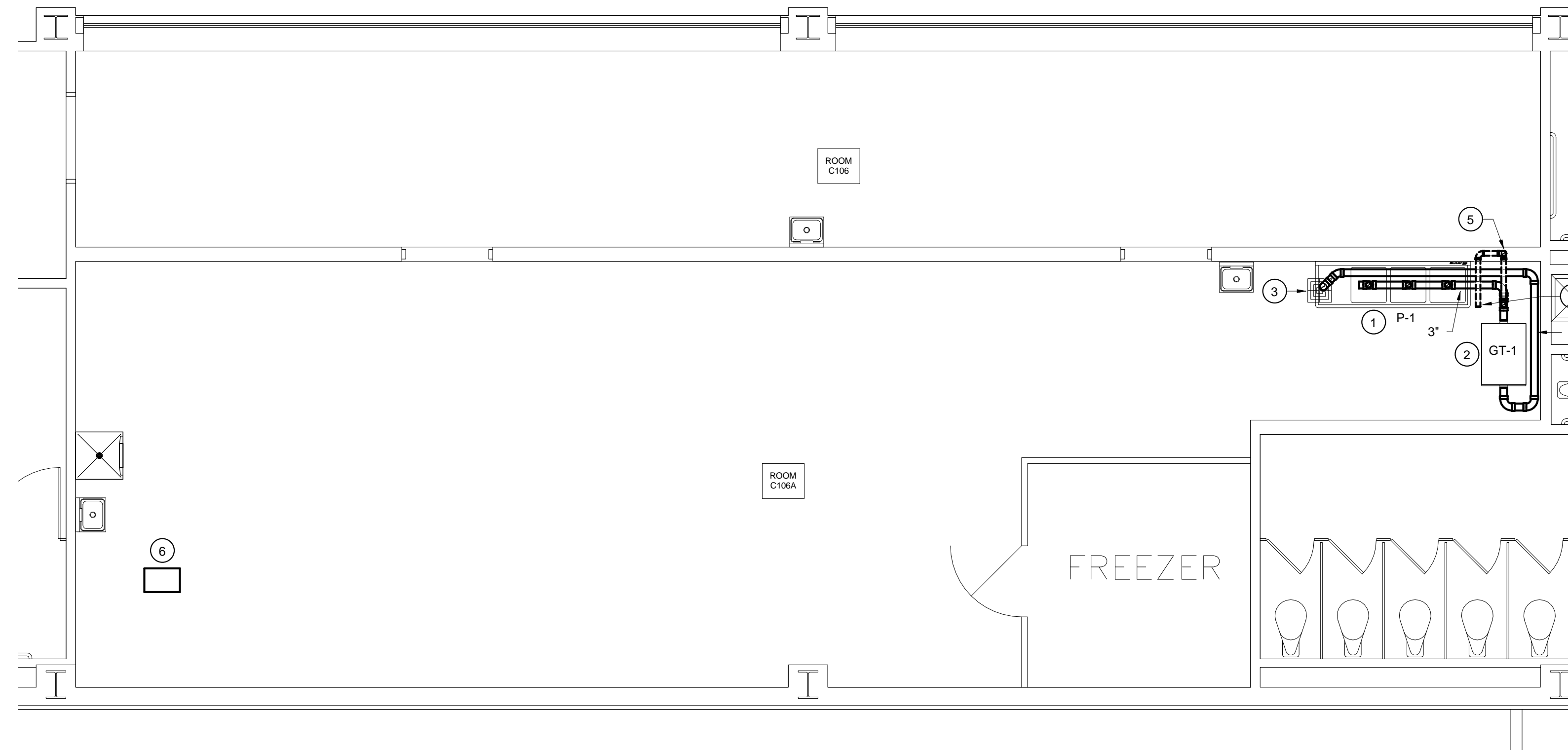




3 KEY PLAN - MARKET PLACE 106
P2 NO SCALE



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

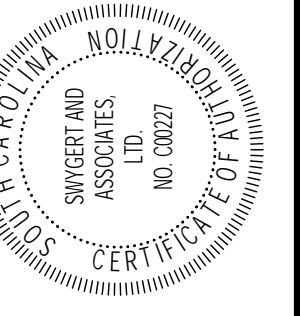
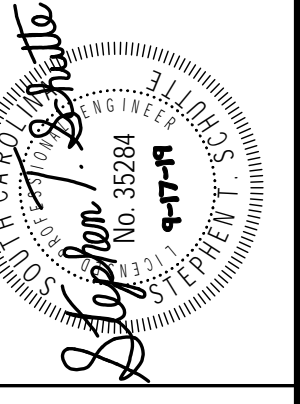


1 MARKET PLACE 106 - RENOVATION PLAN
P2 1/4" = 1'-0"

- 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 2/P1.8.
 - 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



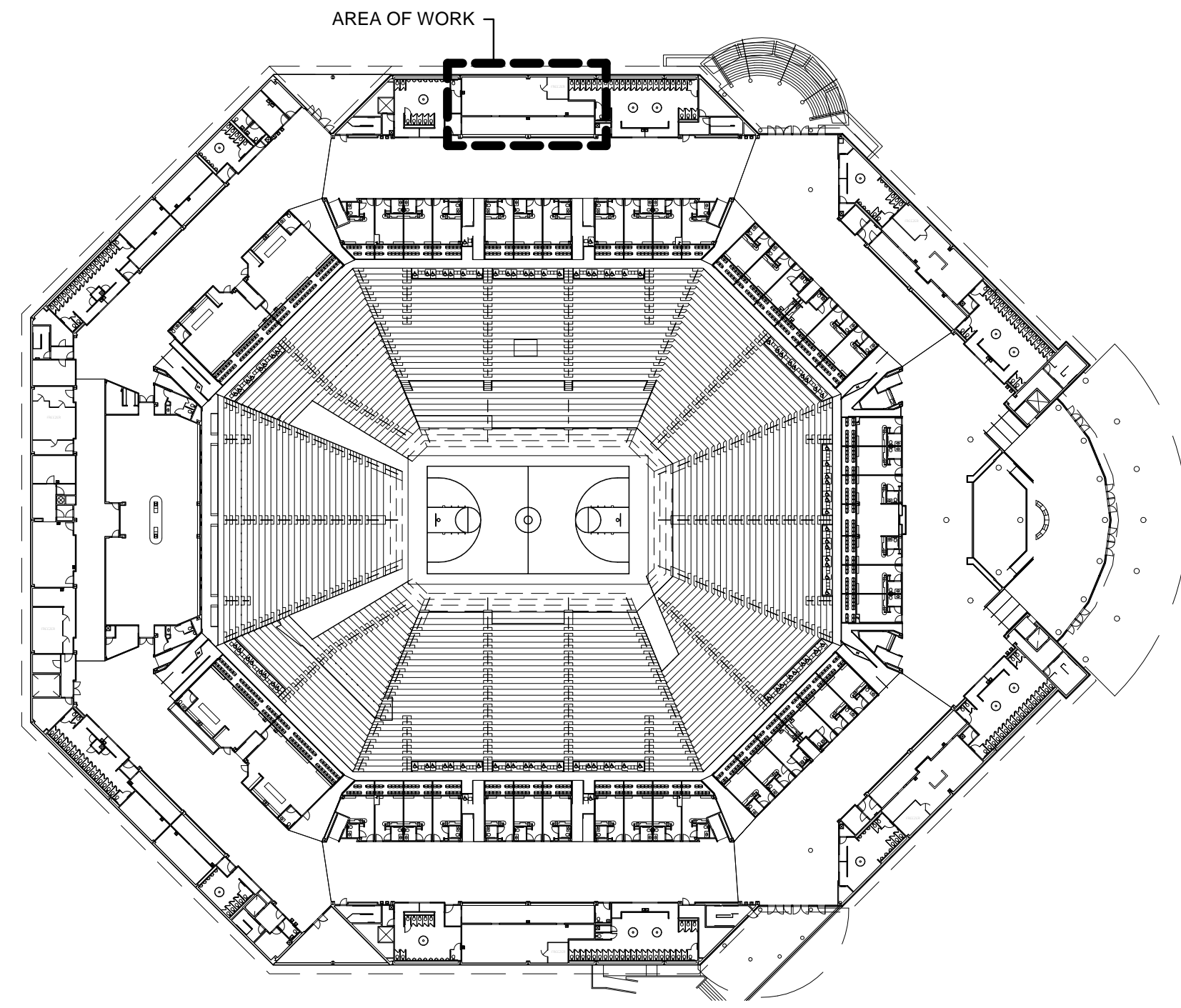
REV.	DATE	DESCRIPTION	CHECKED BY:		DATE
			TFS	ORIG. BY	

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

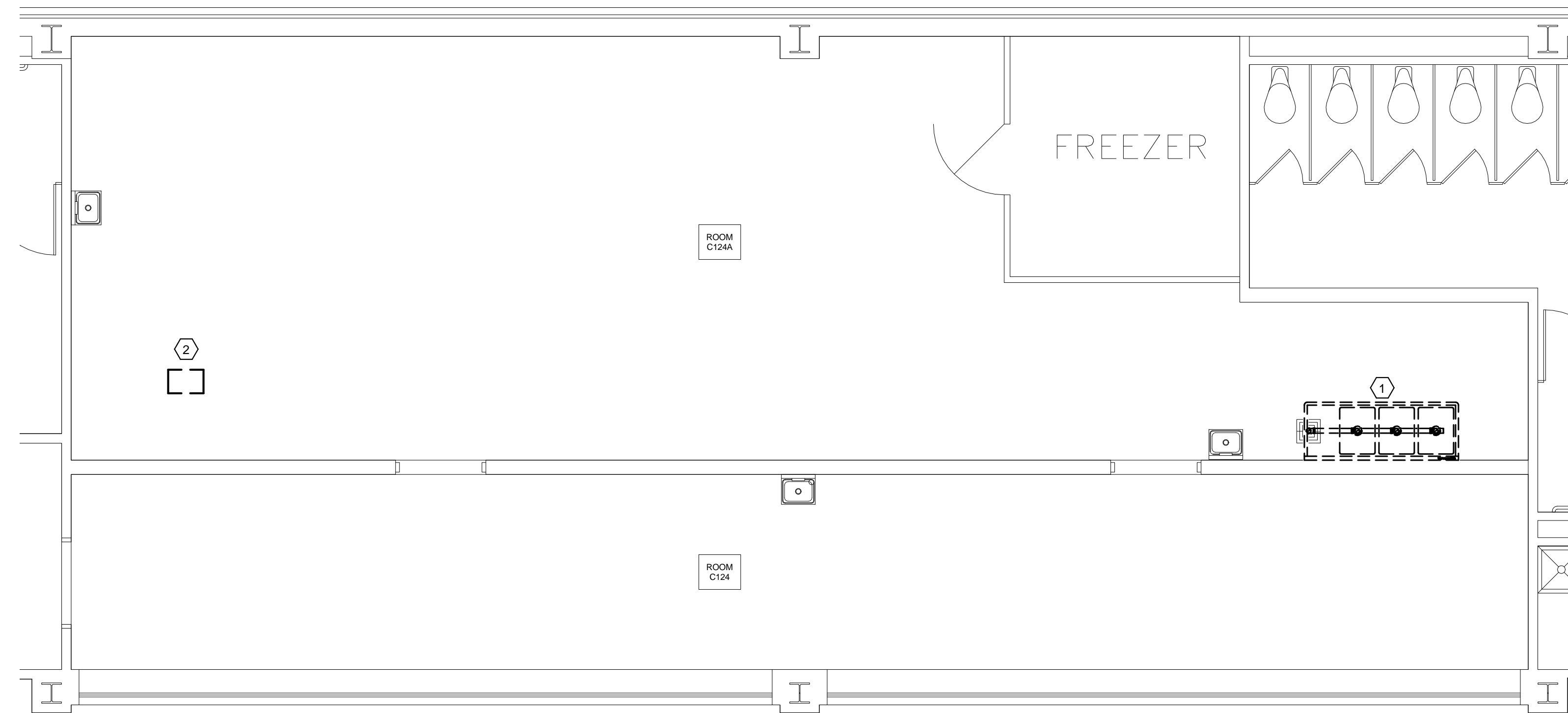
SHEET: **P2**
OF
SHEET IN SET:

Swygert & Associates
CONSULTING ENGINEERS
PBA Swygert & Assoc., Ltd. Telephone: (803) 791-3300
Flag Office: No. 11998 - Fax: (803) 791-3800
Columbia, S.C. 29211 - mail@swygert-associates.com

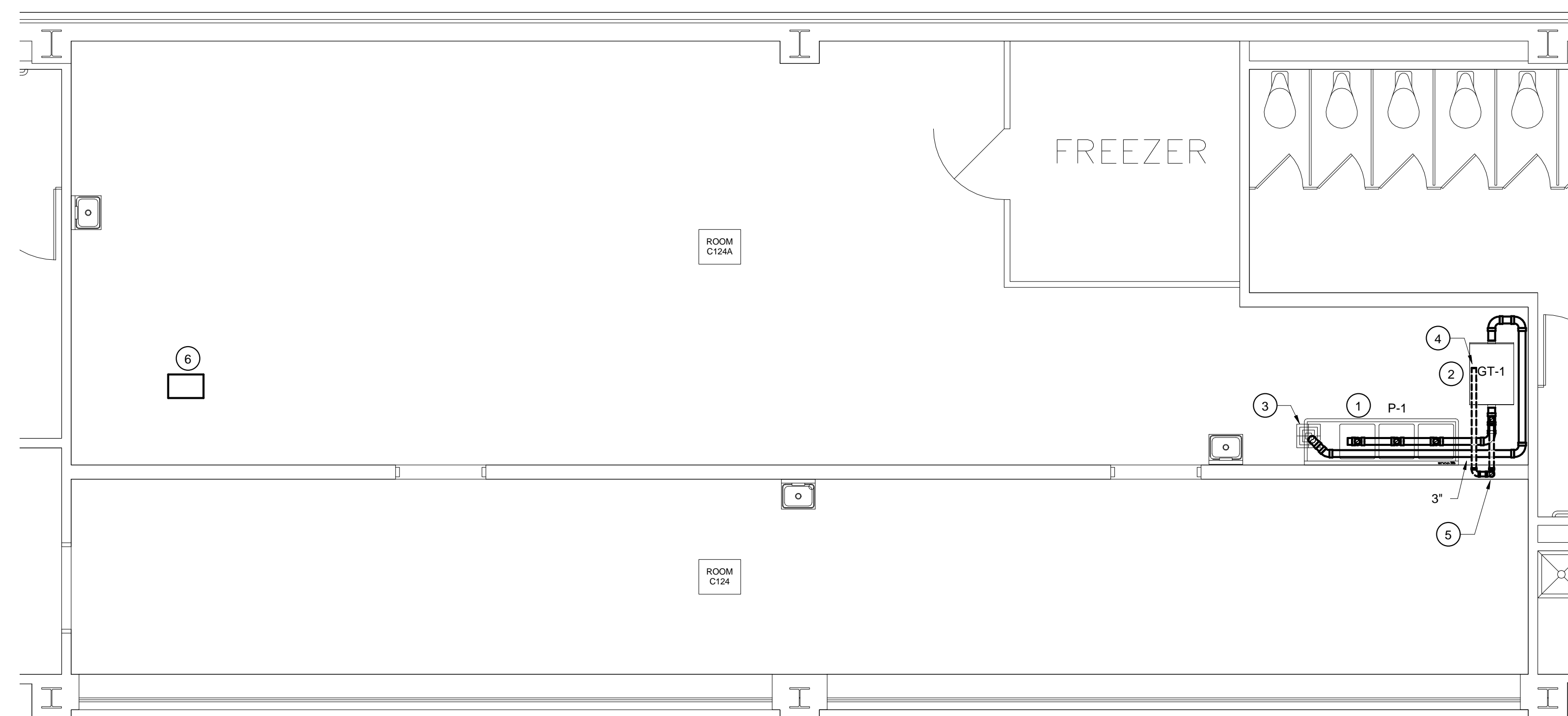
University of South Carolina



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"

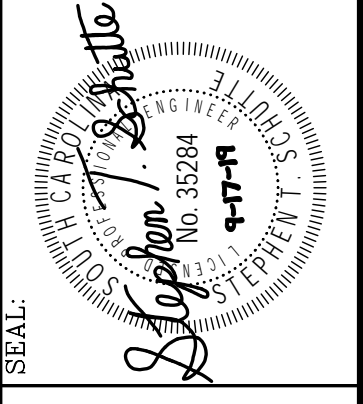
DEMOLITION NOTES

- 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 2/P1.8.
- 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.

CAMPUS PLANNING
AND CONSTRUCTION
COLUMBIA, SC 29208

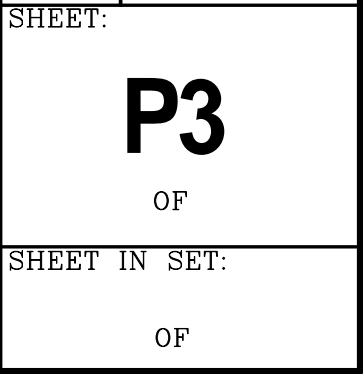


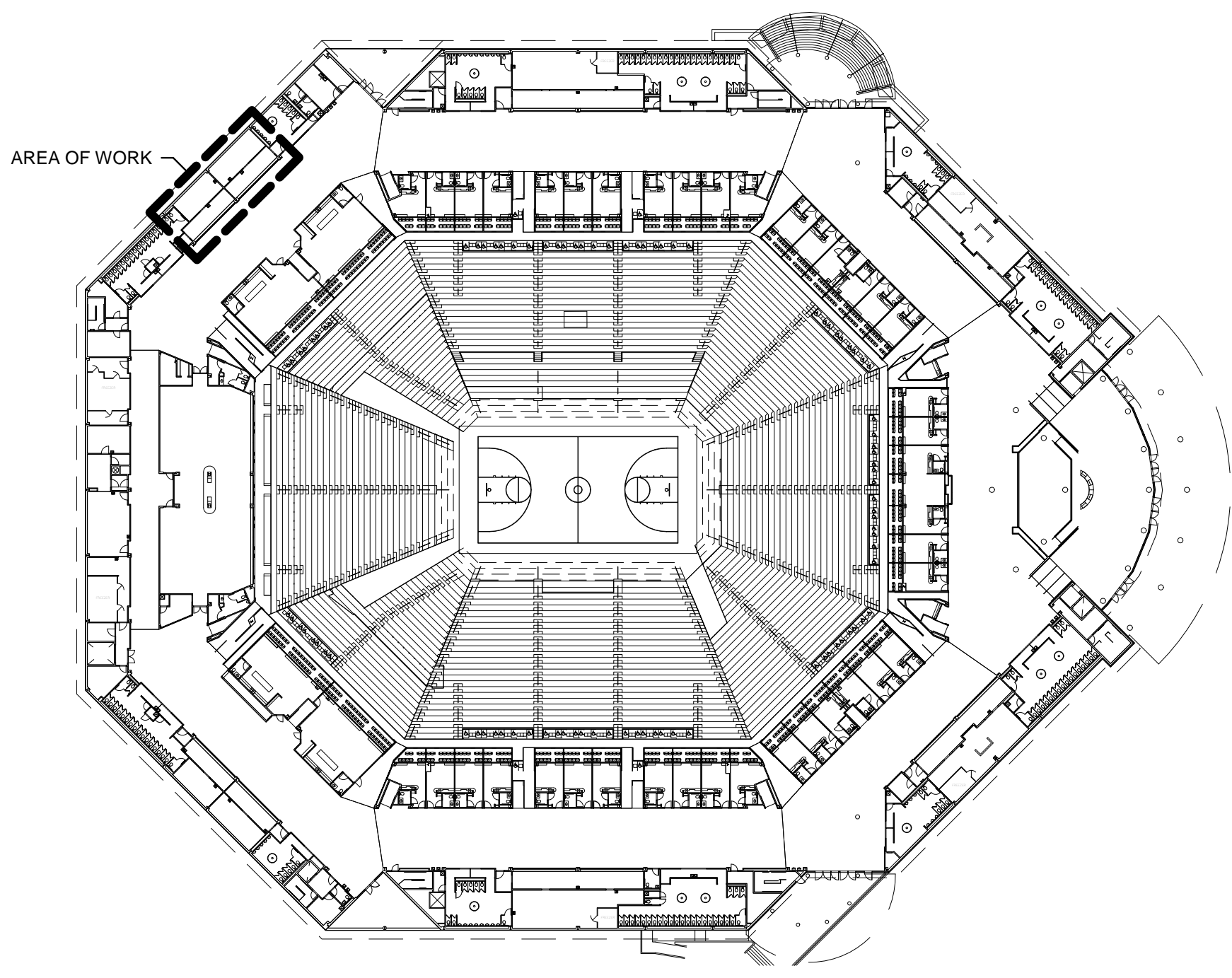
DATE	DESCRIPTION	BY	DATE	DESCRIPTION	BY
05/06/19		TFS			
		ORIG. BY			
		DATE			
		DATE			
		DATE			

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

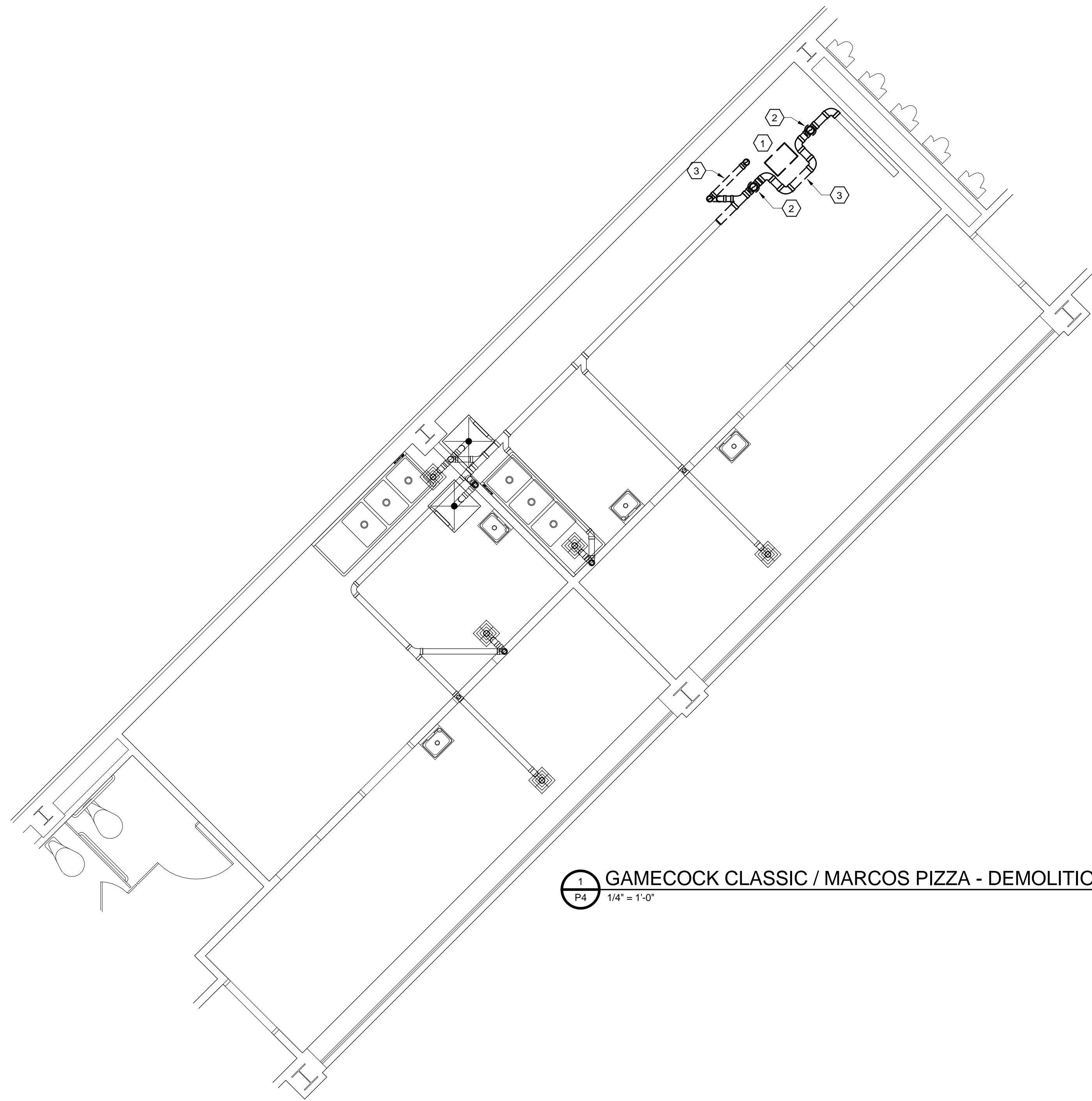
SHEET: **P3**
OF
SHEET IN SET:
OF

Swygert & Associates
CONSULTING ENGINEERS
PBA Swygert & Assoc., Ltd. Telephone: (803) 791-3300
Flag Office: 1148 Telephone: (803) 791-3300
Columbia, S.C. 29211 Fax: (803) 791-3300
mailto:swygert@swygert.com

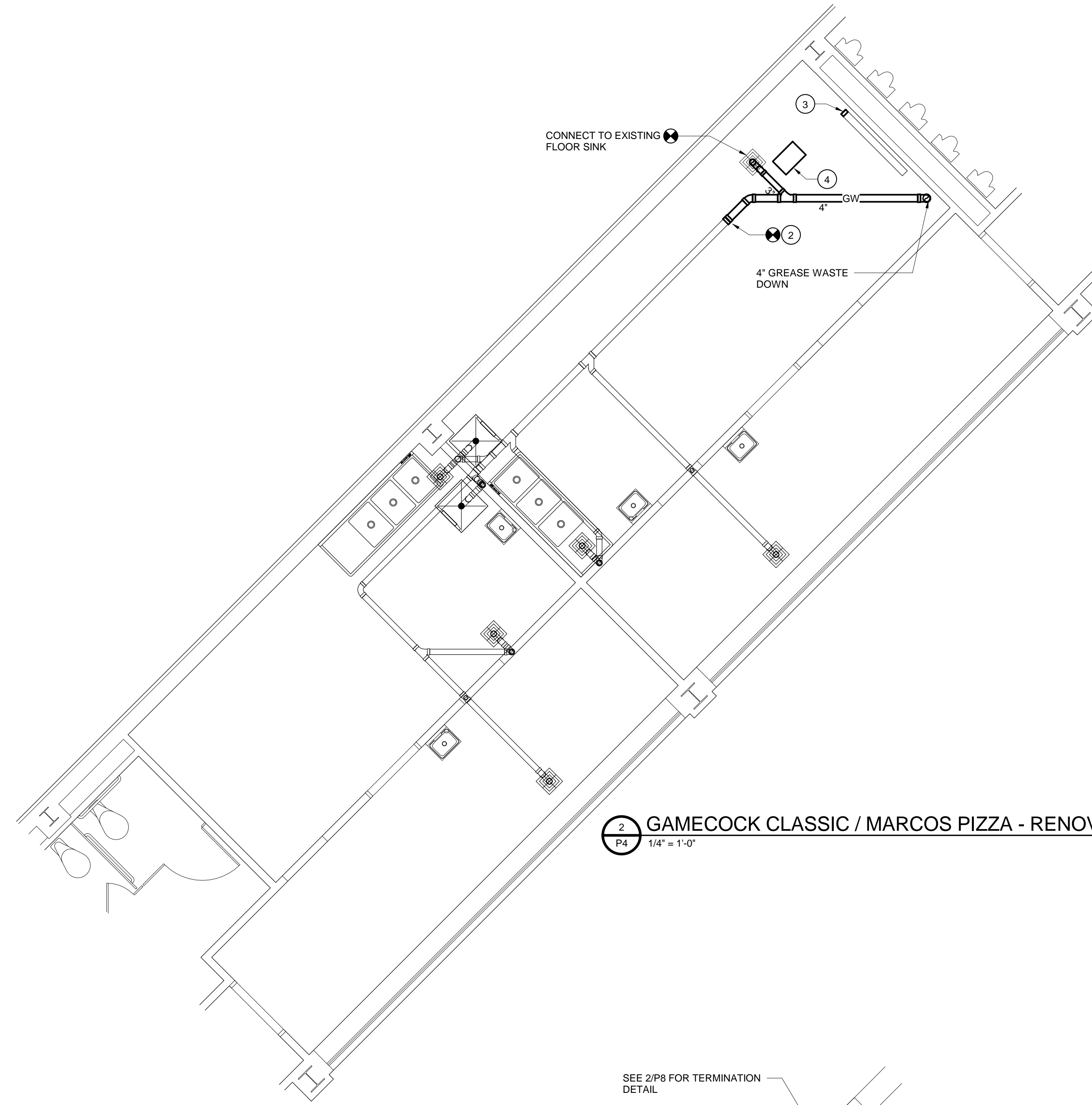




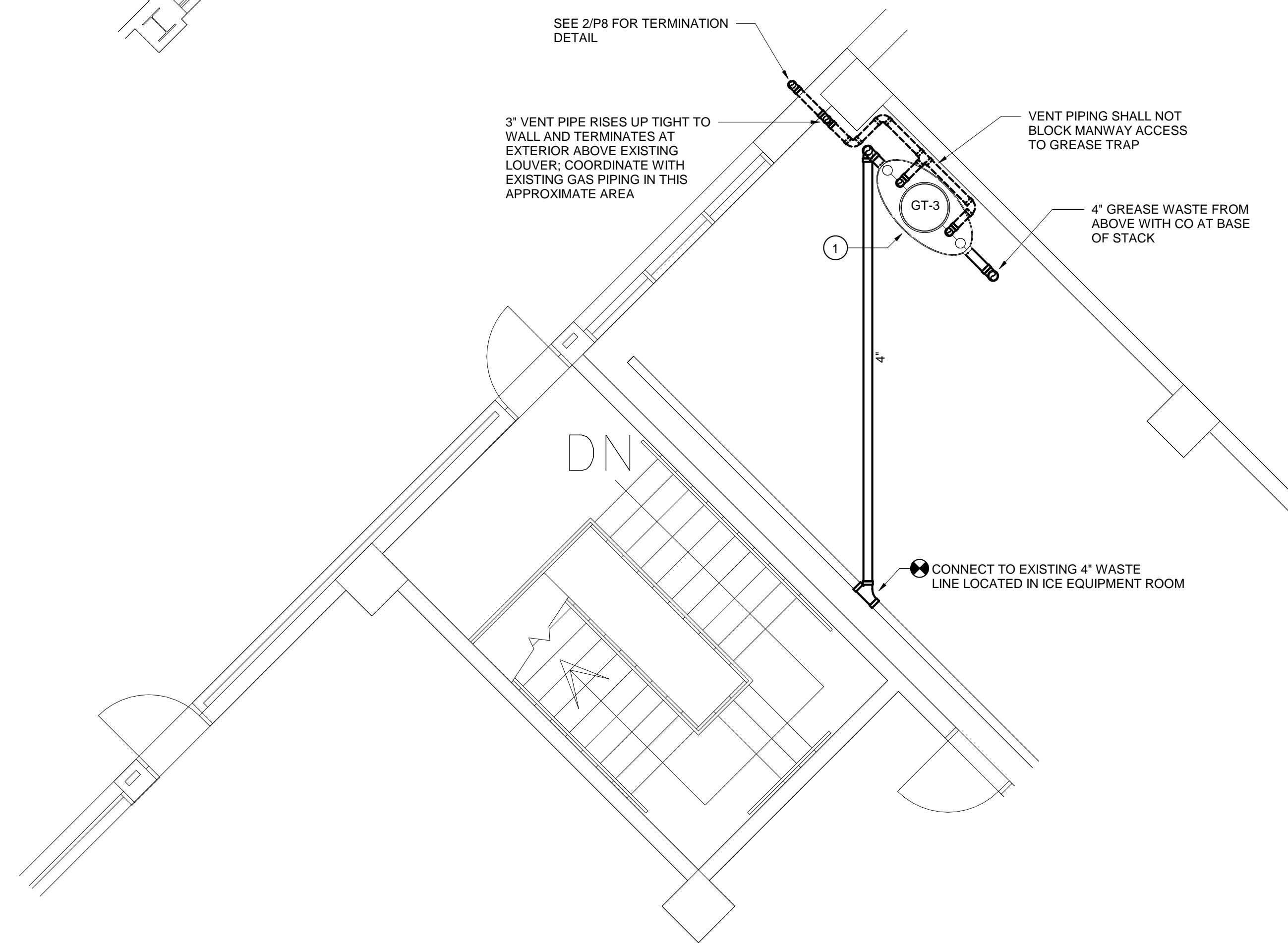
3 KEY PLAN - GAMECOCK CLASSIC / MARCOS PIZZA
P4 NO SCALE



1 GAMECOCK CLASSIC / MARCOS PIZZA - DEMOLITION PLAN
P4 1/4" = 1'-0"



2 GAMECOCK CLASSIC / MARCOS PIZZA - RENOVATION PLAN (CONCOURSE LEVEL)
P4 1/4" = 1'-0"

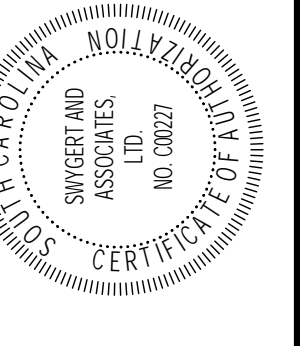
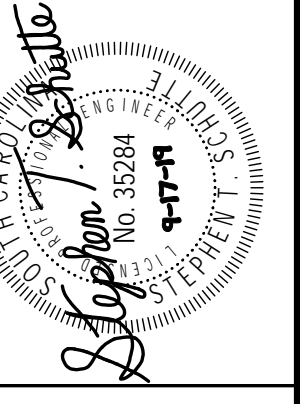


4 GAMECOCK CLASSIC / MARCOS PIZZA - RENOVATION PLAN (MEZZANINE LEVEL)
P4 1/4" = 1'-0"

- DEMOLITION NOTES**
- ① EXISTING GREASE TRAP TO BE REMOVED COMPLETELY, INCLUDING ALL HANGING SUPPORTS.
 - ② REMOVE EXISTING CLEANOUTS.
 - ③ REMOVE EXISTING WASTE PIPING AS INDICATED.

- RENOVATION NOTES**
- ① PROVIDE NEW GREASE TRAP AS INDICATED ON THE PLUMBING FIXTURE SCHEDULE. INSTALL GREASE TRAP ON FLOOR OF BOILER ROOM AT LOCATION INDICATED. COORDINATE WITH LOCATION OF EXISTING BOILER AND UTILITIES. BRING ANY CONFLICTS TO ATTENTION OF ENGINEER.
 - ② CONNECT TO EXISTING WASTE PIPING.
 - ③ CAP EXISTING WASTE LINE AT THIS APPROXIMATE LOCATION.
 - ④ EXISTING SLAB PENETRATION SHALL BE PATCHED WITH NEW CONCRETE TO MATCH EXISTING FINISHES IN ROOM. SEE STRUCTURAL DETAIL FOR PATCHING REQUIREMENTS.

CAMPUS PLANNING
AND CONSTRUCTION
COLUMBIA, SC 29208

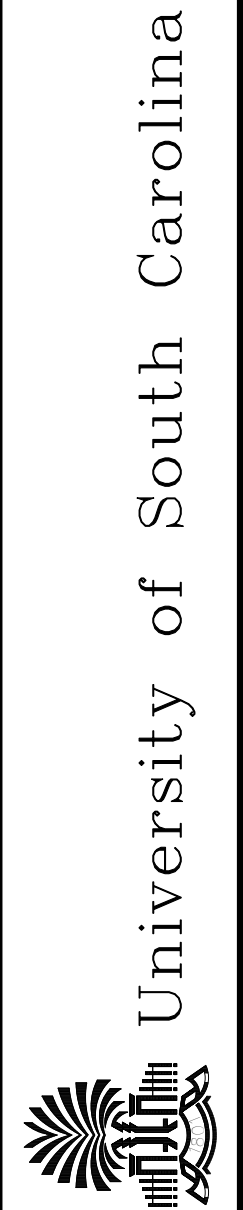


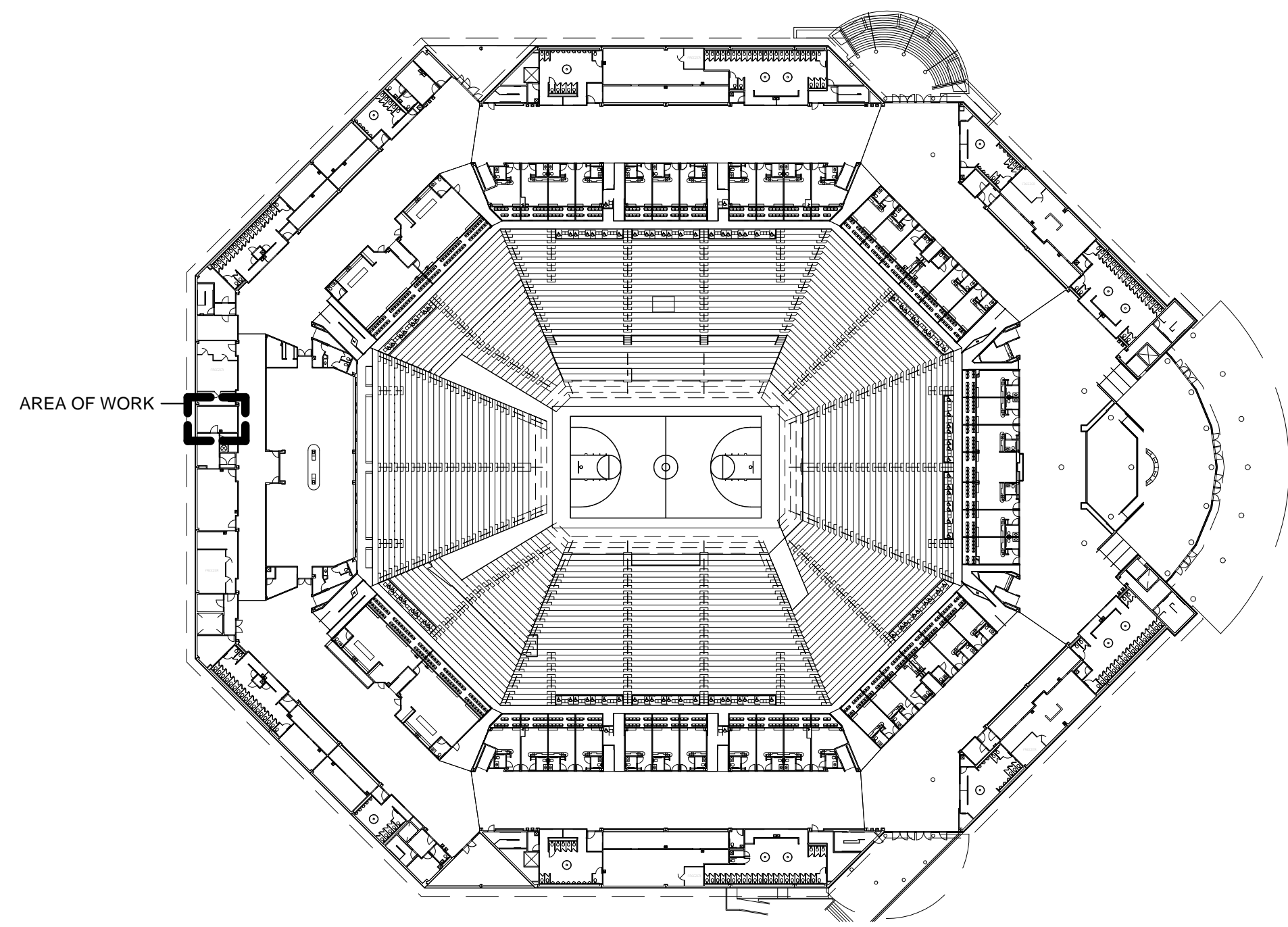
DATE	DESCRIPTION	BY	DATE	DESCRIPTION	BY
05/06/19		TFS			
		ORIG. BY			
		DATE			
		DATE			
		DATE			

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

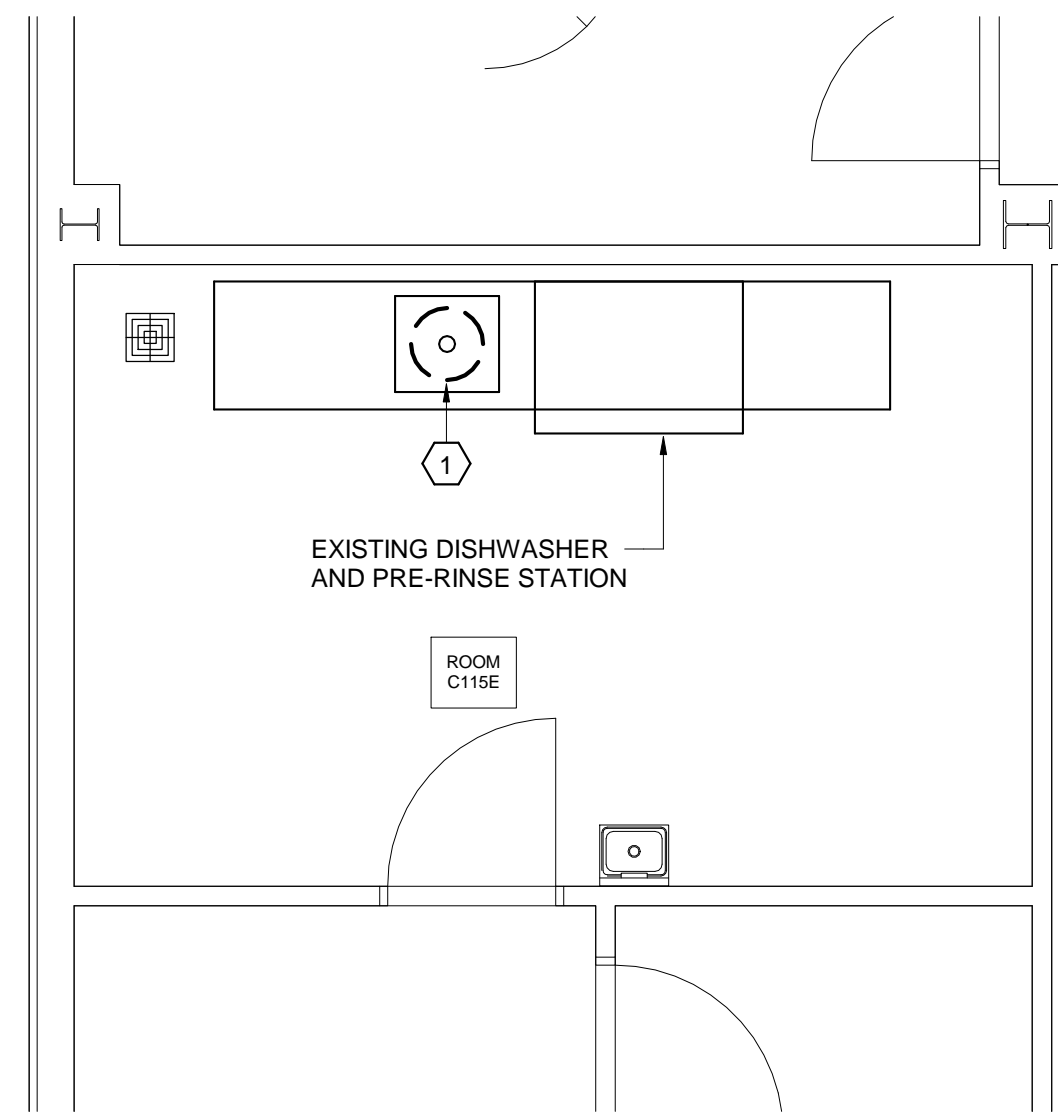
SHEET: **P4**
OF
SHEET IN SET:
OF

Swygert & Associates
CONSULTING ENGINEERS
PBA Support & Assoc., Ltd. Telephone: (803) 791-3300
Flag Office: No. 1166 Telephone: (803) 791-3300
Columbia, S.C. 29211 mail@swygert-associates.com

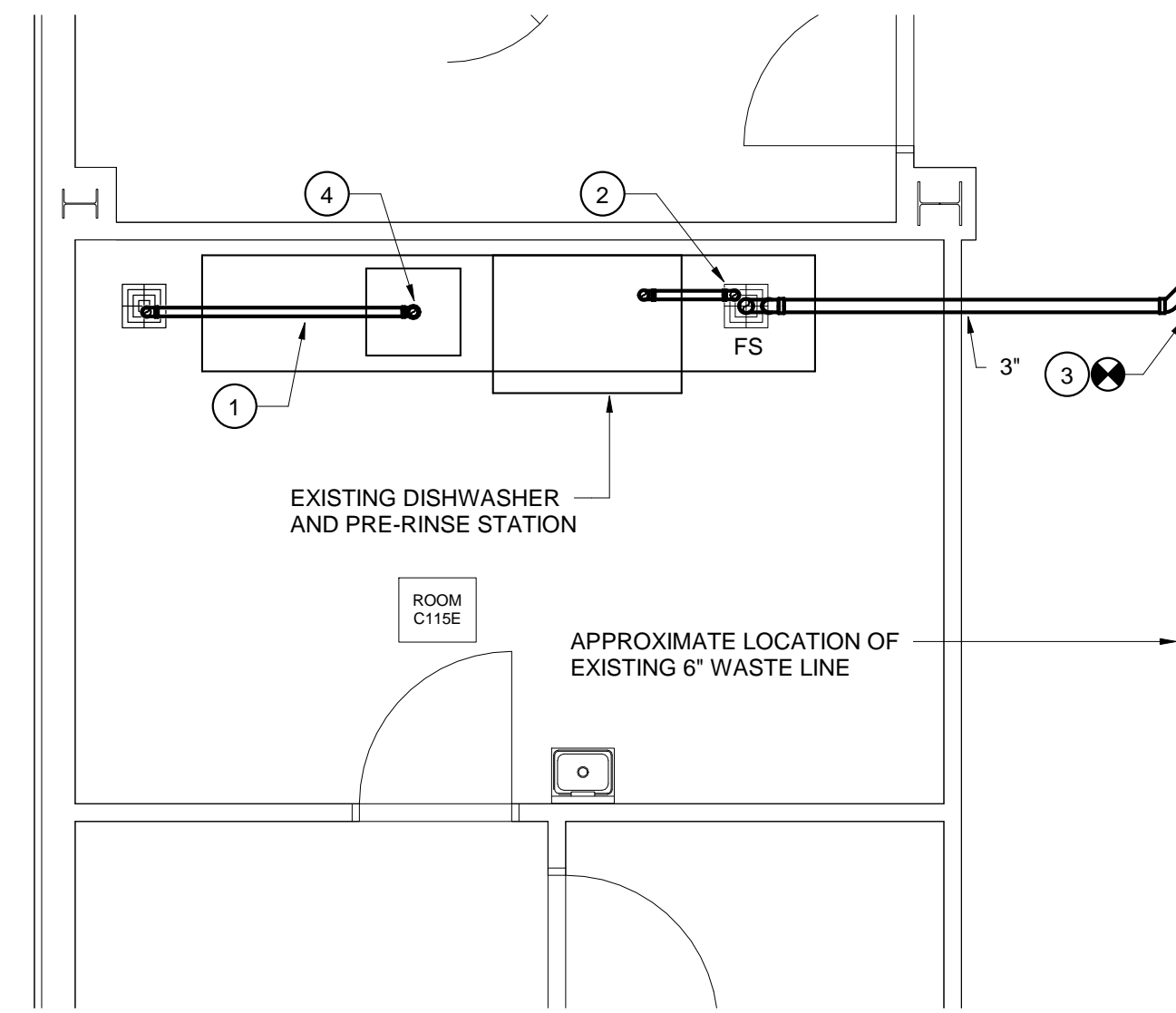




3 KEY PLAN - MAIN KITCHEN
NO SCALE



1 MAIN KITCHEN - DEMOLITION PLAN
1/4" = 1'-0"



2 MAIN KITCHEN - RENOVATION PLAN
1/4" = 1'-0"

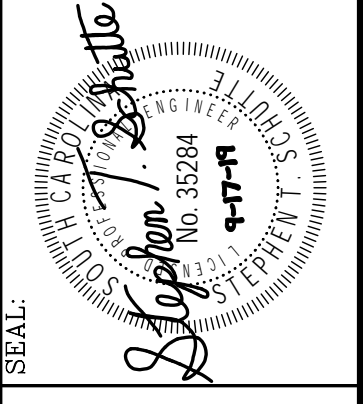
DEMOLITION NOTES

1 EXISTING GARBAGE DISPOSER AND ASSOCIATED PIPING TO BE REMOVED COMPLETELY.

RENOVATION NOTES

1 PROVIDE 2" INDIRECT WASTE FROM PRE-RINSE SINK TO EXISTING FLOOR SINK.
 2 PROVIDE 2" INDIRECT WASTE FROM DISHWASHER TO NEW FLOOR SINK. FLOOR SINK TO PROJECT UP APPROXIMATELY 1/2" ABOVE FINISHED FLOOR SLAB. PROVIDE CAULK AROUND PERIMETER TO PROVIDE A SMOOTH FINISH.
 3 CONNECT TO EXISTING 6" SANITARY SEWER LINE AT THIS APPROXIMATE LOCATION.
 4 PROVIDE GRID STRAINER AT EXISTING PRE-RINSE SINK DRAIN.

CAMPUS PLANNING
AND CONSTRUCTION
COLUMBIA, SC 29208



DATE	DESCRIPTION	BY	CHECKED BY
05/06/19		TFS	TFS
		ORIG. BY	
		DATE	
		DATE	
		DATE	
		DATE	
		DATE	
		DATE	
		DATE	
		DATE	
		DATE	
		DATE	

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

Swygert & Associates
CONSULTING ENGINEERS

158
50003010
05/06/19
TFS
TFS

University of South Carolina

P5
OF
SHEET IN SET:
OF

Swygert & Associates, Ltd. Telephone: (803) 791-3300
 804 Office Bldg. #1600 Fax: (803) 791-3800
 Columbia, S.C. 29211 mail@swygert-associates.com

PLUMBING FIXTURE SCHEDULE								
P. NO.	FIXTURE	MFGR.	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	GREASE TRAP	GREEN TURTLE	PROCEPTOR	GMC-200	200 GALLONS	--	--	WITH EXTENSION COLLAR, FIELD VERIFY REQUIRED COLLAR LENGTH. GREASE TRAP SHALL BE APPROVED BY CITY OF COLUMBIA BEFORE INSTALLATION.
GT-3	GREASE TRAP	GREEN TURTLE	PROCEPTOR	GMC-300	300 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 2681. 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.

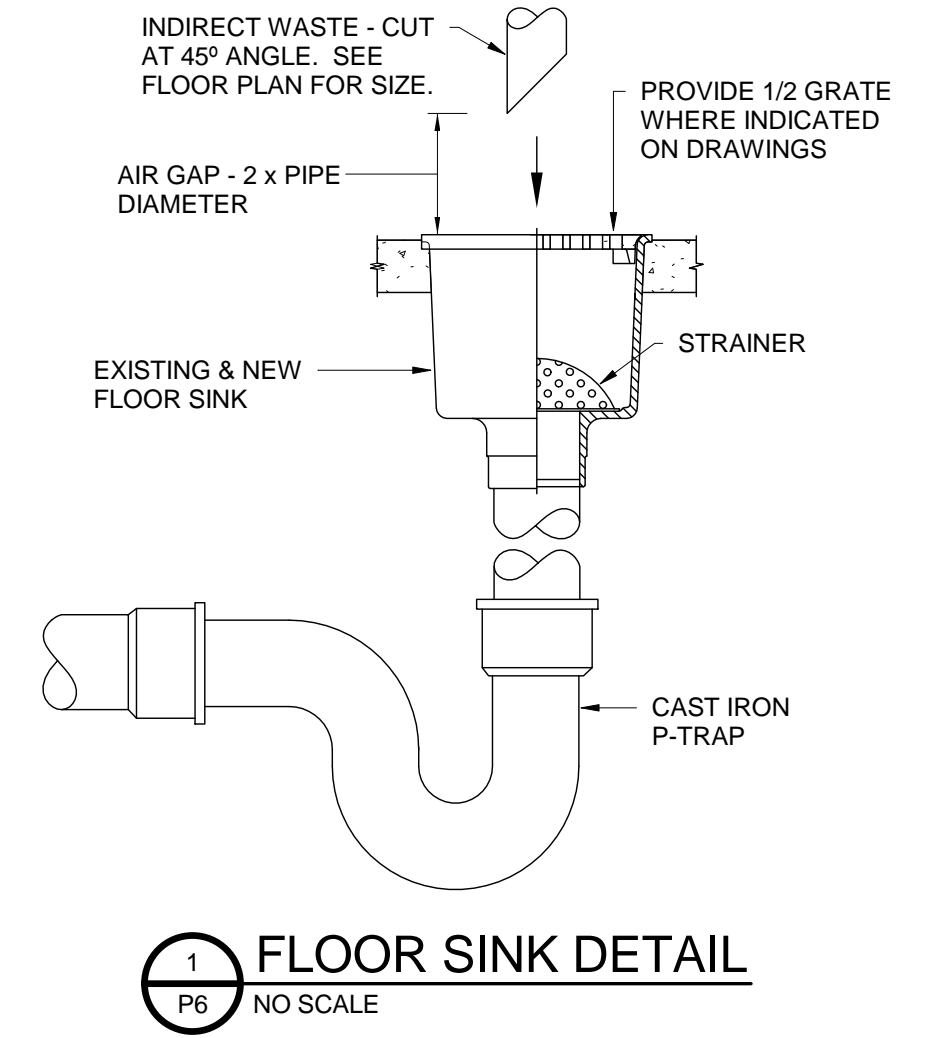
ADDITIONAL PROJECT REQUIREMENTS

SCHEDULE:
 THE CONTRACTOR SHALL COORDINATE ALL WORKING HOURS WITH THE UNIVERSITY. THE CURRENT AVAILABLE WORKING DAYS AREA AVAILABE AND ARE SUBJECT TO CHANGE:
 SEPTEMBER 16 - 19
 SEPTEMBER 23 - 26
 SEPTEMBER 30 - OCTOBER 03
 OCTOBER 09 - 15
 OCTOBER 21 - 24
 NOVEMBER 11 - 14
 THE ENTIRE PROJECT SCOPE MUST BE COMPLETED BY NOVEMBER 14, 2019.

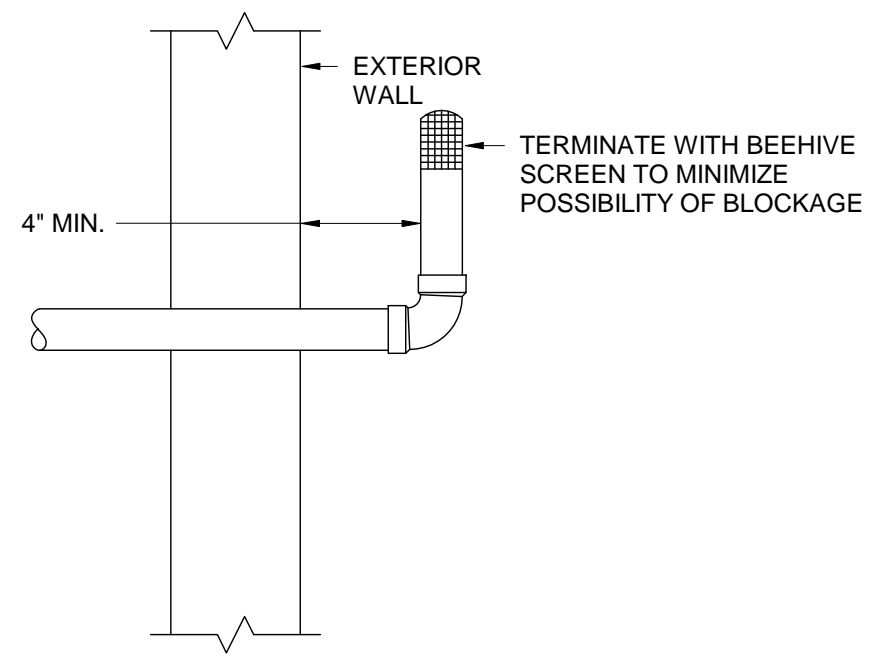
- ### GENERAL NOTES
- ALL WORK SHALL BE PERFORMED ACCORDING TO ALL LOCAL STATE, NATIONAL CODES, THE 2015 INTERNATIONAL PLUMBING CODE, AND CITY OF COLUMBIA GREASE TRAP/INTERCEPTOR REQUIREMENTS.
 - THIS CONTRACTOR SHALL, PRIOR TO BIDDING, VISIT THE SITE AND DETERMINE SCOPE OF WORK AND POINTS OF CONNECTION 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



1 FLOOR SINK DETAIL
 P6 NO SCALE



2 VENT TERMINATION DETAIL
 P6 NO SCALE

CAMPUS PLANNING AND CONSTRUCTION COLUMBIA, SC 29208

CHECKED BY: **TFS** DRAWN BY: **SJS**
 ORG. BY: DATE:

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

REV:

SHEET: **P6**
 OF

SHEET IN SET:
 OF

Swygert & Associates
 CONSULTING ENGINEERS

89A Swygert & Assoc., Ltd. Telephone: (803) 791-5300
 800 Office Bldg. 1198A Fax: (803) 791-5800
 Columbia, S.C. 29211F e-mail: swygert@swygert.com