### THE UNIVERSITY OF RHODE ISLAND

DIVISION OF ADMINISTRATION AND FINANCE



PURCHASING DEPARTMENT

210 Flagg Road, Kingston, RI 02881 USA

p: 401.874.2171

f: 401.874.2306

uri.edu/strategic-procurement/purchasing



DATE: December 20<sup>th</sup>, 2024

#### Addendum# 1

BID NO.: 101445

OPENING: 1/24/25 at 1:00 PM

COMMODITY: RENOVATION OF 210 FLAGG ROAD – FACILITIES GROUP SPACE

This addendum is being issued to correct a technical issue. The drawings originally uploaded did not include all pages. The drawings attached to this addendum are the full set. Please refer to these drawings only.

Purchasing Department The University of Rhode Island

Rev. 9-1-15

# CT NUMBER: URI72II

# 210 FLAGG FACILITIES GROUP SPACE EFFICIENCY STUDY & RENOVATION

210 FLAGG ROAD KINGSTON, RHODE ISLAND OCP PROJECT ID#: KC.G.210F.2022.001



PROJECT LOCATION REVIS

GENE

G0.00 COVER SHEET

G1.12 LIFE SAFETY PLAN AND CODE DATA - SECOND FLOOR

ARCHITECTURE

A0.10 GENERAL INFORMATION

0.31.1 SECOND FLOOR REFLECTED CEILING PLAN -DEMO

A2.11.1 SECOND FLOOR CONSTRUCTION ANNOTATION PLAN

2.21.1 SECOND FLOOR DIMENSION PLAN

A3.11.1 REFLECTED CEILING PLAN SECOND FLOOR

12.12.1 SECOND FLOOR FINISH PLAN

FIRE PROTECTION

FP0.01 FIRE PROTECTION LEGEND, SCHEDULES & DETAILS

P1.10 FIRE PROTECTION SECOND FLOOR DEMOLITION PLAN

P1.00 SECOND FLOOR PLUMBING NEW WORK PLAN

FP2.10 FIRE PROTECTION SECOND FLOOR PLAN

M0.01 MECHANICAL LEGEND

MD1.00 SECOND FLOOR MECHANICAL DEMOLITION PLAN
M1.00 SECOND FLOOR MECHANICAL NEW WORK PLAN

M6.00 MECHANICAL SCHEDULES AND DETAILS

ELECTRICAL

01 ELECTRICAL SPECIFICATION AND DETAILS

E1.00 ELECTRICAL SECOND FLOOR DEMOLITION POWER PLAN

E2.00 ELECTRICAL SECOND FLOOR DEMOLITION LIGHTING

ELECTRICAL SECOND FLOOR LIGHTING PLAN

FIRE ALARM

FA1.00 ELECTRICAL SECOND FLOOR DEMOLITION FIRE ALARM PLAN

FA1.10 ELECTRICAL SECOND FLOOR FIRE ALARM PLAN

THE
UNIVERSITY
OF RHODE ISLAND





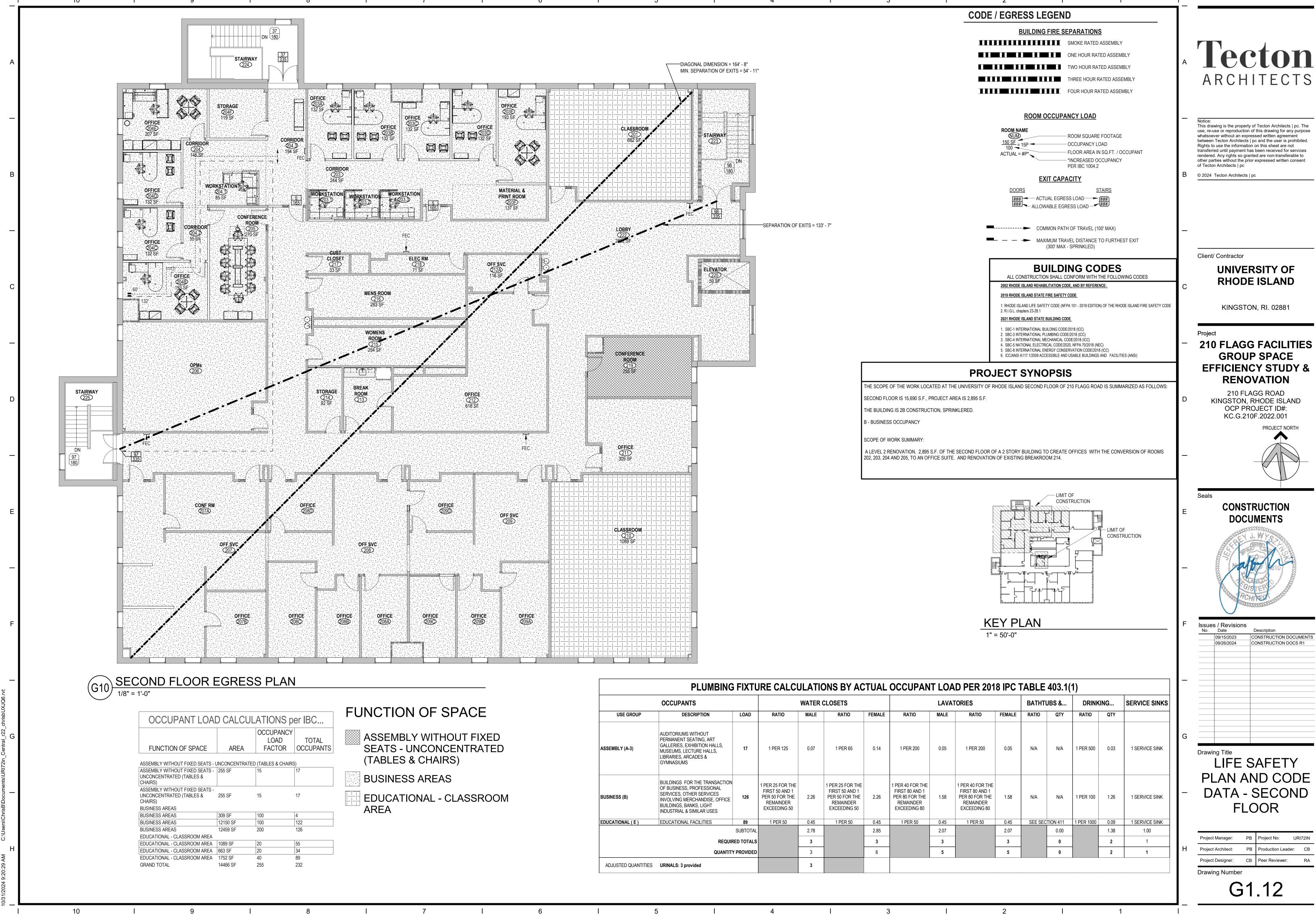
317 IRON HORSE WAY SUITE 101 PROVIDENCE, RI 02908



100 BURTT ROAD, SUITE 212 ANDOVER, MA 01810

CONSTRUCTION DOCUMENTS

9/26/2024



This drawing is the property of Tecton Architects | pc. The use, re-use or reproduction of this drawing for any purpose whatsoever without an expressed written agreement between Tecton Architects | pc and the user is prohibited. Rights to use the information on this sheet are not transferred until payment has been received for services rendered. Any rights so granted are non-transferable to other parties without the prior expressed written consent

**UNIVERSITY OF** 

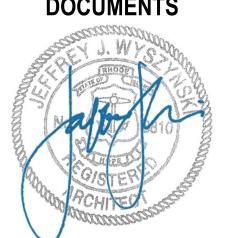
KINGSTON, RI. 02881

210 FLAGG FACILITIES **GROUP SPACE** 

RENOVATION 210 FLAGG ROAD

KINGSTON, RHODE ISLAND OCP PROJECT ID#: KC.G.210F.2022.001

**CONSTRUCTION** 

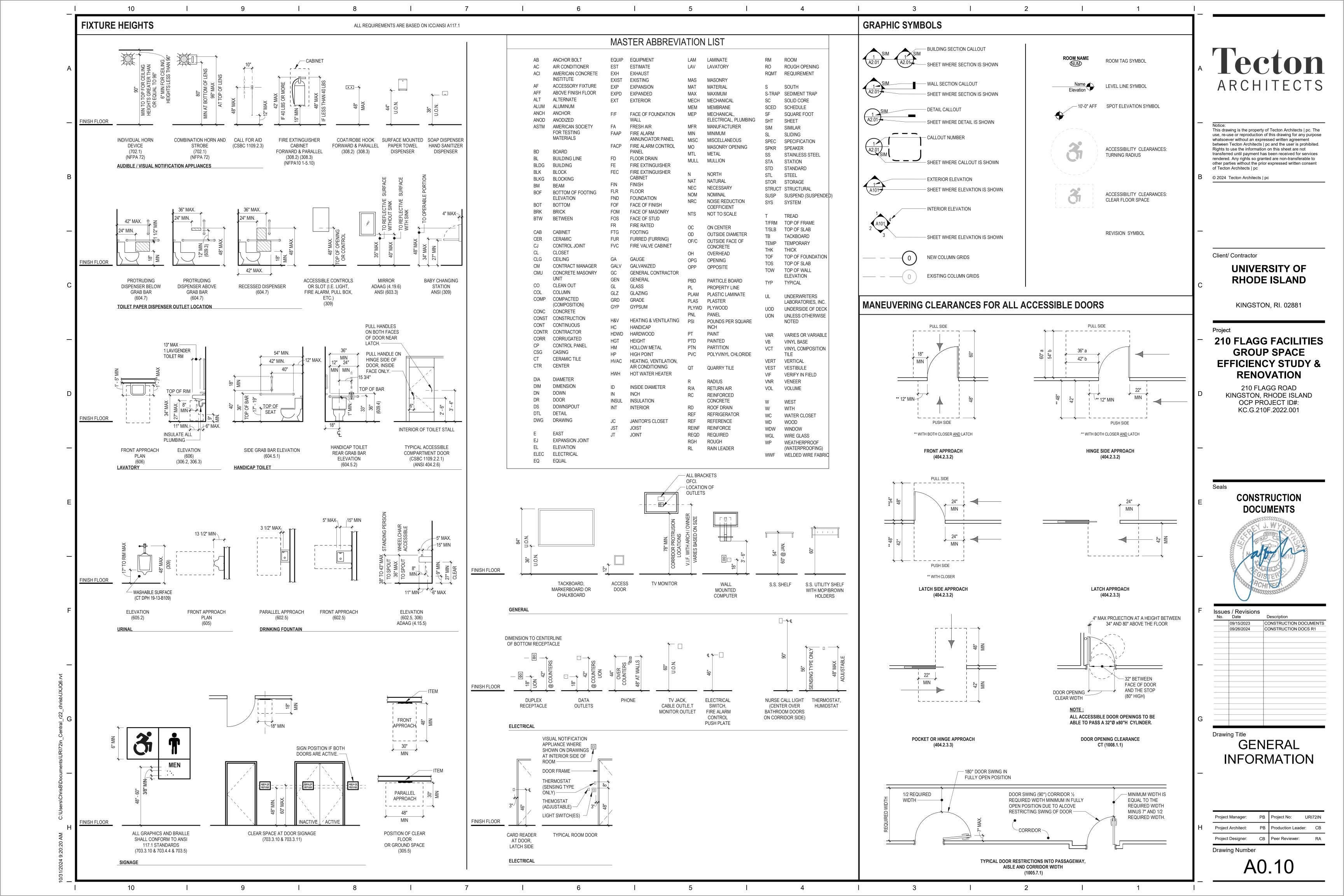


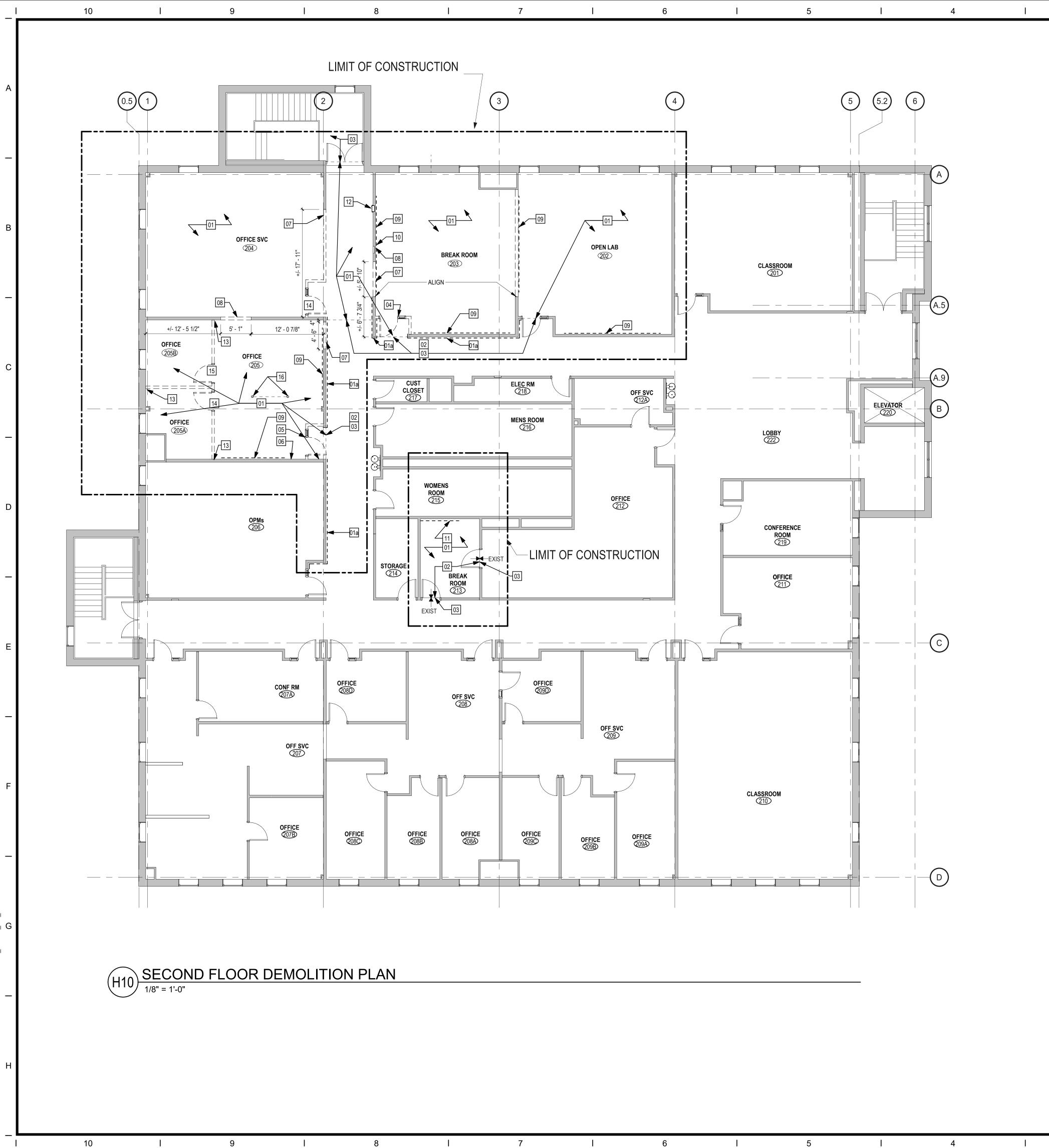
lssu No.	es / Revisions Date	Description
	09/15/2023	CONSTRUCTION DOCUMENTS
	09/26/2024	CONSTRUCTION DOCS R1
		1

LIFE SAFETY PLAN AND CODE DATA - SECOND **FLOOR** 

Project Designer: CB | Peer Reviewer:

G1.12





#### **GENERAL NOTES - DEMOLITION**

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL NECESSARY TO COMPLETE THE WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL, INCLUDING ALL COSTS FOR CARRYING AND DUMPING, OF ALL MATERIAL DEMOLISHED FROM THE PROJECT. THE CONTRACTOR SHALL PROVIDE OWNER WITH FIRST RIGHTS TO ALL MATERIALS, INCLUDING DOORS, HARDWARE, WINDOWS, PLUMBING FIXTURES, ETC., BEFORE REMOVING FROM SITE.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND REPAIR ALL EXISTING, TO REMAIN AREAS AND SURFACES AS NOTED AND/OR SHOWN. THIS INCLUDES ALL WORK NECESSARY TO READY SURFACES FOR NEW FINISH (N.I.C.) TO FOLLOW IN CONSTRUCTION PHASE. MATCH ALL ADJACENT MATERIALS WHERE PATCHING
- 3. ANY AND ALL PLUMBING FIXTURES/ACCESSORIES SHOWN DASHED ARE TO BE REMOVED AND DISCARDED, UNLESS OTHERWISE NOTED. ANY RELATED PIPING WHICH IS BEING ABANDONED SHALL BE REMOVED AND CAPPED TO NEAREST TERMINATION POINT. ALL RELATED WORK REQUIRED IN ADJACENT WALLS, FLOORS BELOW, FLOORS ABOVE OR ON THE EFFECTED FLOOR ITSELF SHALL BE PATCHED AND PREPPED FOR NEW FINISH.
- 4. ALL WALLS SHOWN DASHED ARE TO BE REMOVED AND DISCARDED, UNLESS OTHERWISE NOTED. ANY WALL OR SURFACE BEING WORKED ON SHALL BE PATCHED AND REPAIRED WITH A COMPLETE FINISH TO THE NEAREST CORNER, CHANGE OF PLANE OR OTHER JUNCTURE WHICH ALLOWS FOR A SMOOTH AND CLEAN TRANSITION FROM THE NEWLY FINISHED SURFACE TO THE SURROUNDING EXISTING SURFACES (THE INTENT IS TO AVOID THE APPEARANCE OF A PATCHED
- 5. UNLESS NOTED OTHERWISE, ALL FLOOR SURFACES/ FINISHES AND FLOORING BASE TRIM ARE TO BE REMOVED TO FLOOR SLAB AND DISCARDED. CLEAN AND PREPARE CONCRETE AS NECESSARY FOR REFINISHING. THIS DEMO AND PREP PERTAINS TO ELEVATOR LOBBY SPACES AS WELL.
- 6. IT IS NOT THE INTENT TO SHOW EVERY PIECE OR ITEM TO BE REMOVED IN DEMOLITION WORK. MECHANICAL, ELECTRICAL AND OR OTHER WORK RELATED TO A WALL OR AREA SCHEDULED FOR DEMOLITION AND REMOVAL SHALL BE PERFORMED WHETHER SO NOTED OR NOT. PROTECT ALL ITEMS INTENDED FOR SALVAGE AND REUSE OR SCHEDULED TO REMAIN.
- 7. WHEN WALLS, COLUMNS, ROOF CONSTRUCTION, OR OTHER SUPPORTING AND / OR BRACING ELEMENTS ARE SCHEDULED FOR DEMOLITION, TEMPORARY STRUCTURAL SUPPORTS AND BRACING FOR THE ADJACENT CONSTRUCTION SHALL BE PROVIDED AND MAINTAINED UNTIL THE PERMANENT STRUCTURES ARE IN PLACE AND ABLE TO SUPPORT THE IMPOSED LOADS.
- 8. PRESERVE AND PROTECT ALL FLOOR, WALL, AND CEILING FINISHES TO REMAIN WHERE POSSIBLE IN AREAS OF DEMOLITION. PATCH TO MATCH AS REQUIRED.
- 9. REPAIR ALL REMAINING WALLS, CEILINGS AND FLOOR SURFACES WHERE DEMOLITION OCCURS. THIS INCLUDES MEP AND OTHER NECESSARY WORK IN CEILINGS AND WALLS AT FLOOR BELOW. SEE MEP DRAWINGS FOR PROBABLE
- 10. ALL EQUIPMENT OR FURNITURE SHOWN DASHED IS TO BE REMOVED AND STOCKPILED FOR OWNER REUSE OR STORAGE. SEE PROPOSED PLANS AND VERIFY WITH OWNER FOR ANY LAST MINUTE CHANGES.
- 11. REFER TO MEP PLANS AND OR SPECS FOR SCOPE OF ALL MEP DEMOLITION.
- 12. ALL DOORS AND WINDOWS SHOWN DASHED ARE TO BE REMOVED AND DISCARDED, INCLUDING FRAMES AND HARDWARE EXCEPT WHERE NOTED

#### **DEMOLITION LEGEND**

ITEMS TO BE REMOVED EXISTING ITEMS DEMOLITION KEYNOTE LIMIT OF DEMOLITION

#### **KEYNOTES - DEMOLITION**

01	REMOVE WALL BASE AND FLOORING TO SUBSTRATE, PREP TO RECEIVE NEW FLOOR FINISH
01a	CAREFULLY REMOVE WALL BASE, EXISTING WALL FINISH TO REMAIN. PREP TO RECEIVE NEW WALL BASE.
02	REMOVE TRANSITION STRIP, PREP TO RECEIVE NEW TRANSITION STRIP.
03	EXISTING FLOORING TO REMAIN.
04	REMOVE AND SALVAGE LOCKSET AND STRIKE FOR REINSTALLATION ON NEW DOOR. REMOVE DOOR, FRAME AND REMAINING HARDWARE. REFER TO DOOR SCHEDULE FOR LOCATION OF SALVAGED LOCKSET AND STRIKE.
05	REMOVE AND SALVAGE EXISTING DOOR, FRAME AND HARDWARE FOR REINSTALLATION ON PROJECT, REFER TO DOOR SCHEDULE.
06	REMOVE EXISTING GYPSUM BOARD FOR INSTALLATION OF IN-WALL BLOCKING AND IN-WALL STORAGE BOX. COORDINATE LOCATION WITH WALL MOUNTED MONITOR AND IN-WALL STORAGE BOX.
07	PROVIDE WALL OPENING FOR NEW DOOR AND FRAME. COORDINATE LOCATION WITH NEW DOOR AND FRAME.
08	PROVIDE WALL OPENING, COORDINATE EXTENTS WITH CONSTRUCTION AND REFLECTED CEILING PLANS.
09	REMOVE AND DISPOSE OF ALL EXISTING WALL MOUNTED MARKER BOARDS. SHOWN DASHED. DO NOT SALVAGE FOR OWNER. PATCH AND PREP WALL TO RECEIVE NEW FINISH.
10	EXISTING WALL MOUNTED CLOCK TO BE REMOVED AND SALVAGED TO OWNER.
11	REMOVE EXISTING GYPSUM BOARD AND INSULATION FOR INSTALLATION OF NEW PLUMBING AND VENT PIPING FROM FLOOR TO CEILING. REMOVE GYPSUM BOARD FOR INSTALLATION OF IN-WALL BLOCKING FOR NEW MILLWORK. COORDINATE EXTENT WITH CONSTRUCTION PLANS.
12	REMOVE AND SALVAGE EXISTING FIRE EXISTUISHER CABINET AND FIRE EXTINGUISHER, RETURN TO OWNER. PREP OPENING FOR INFILL.
13	PREP AND PATCH AT REMOVED WALLS AND DEVICES
14	REMOVE DOOR, FRAME AND HARDWARE, SALVAGE AND RETURN TO OWNER.
15	REMOVE AND SALVAGE DOOR, FRAME AND HARDWARE FOR REINSTALLATION ON PROJECT. REFER TO DOOR SCHEDULE.
16	COREDRILL FLOOR SLAB FOR TWO FLOOR PENETRATION DEVICES, COORDINATE LOCATION CONSTRUCTION PLAN. COORDINATE WITH URI FOR ACCESS TO SPACE

BELOW. RESTORE ALL FINISHES/CEILINGS TO PREVIOUS CONDITIONS.

# ARCHITECTS

This drawing is the property of Tecton Architects | pc. The use, re-use or reproduction of this drawing for any purpose whatsoever without an expressed written agreement between Tecton Architects | pc and the user is prohibited. Rights to use the information on this sheet are not transferred until payment has been received for services rendered. Any rights so granted are non-transferable to other parties without the prior expressed written consent of Tecton Architects | pc

© 2024 Tecton Architects | pc

Client/ Contractor

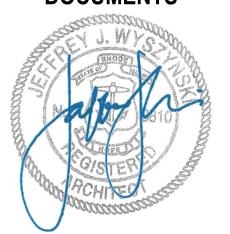
#### **UNIVERSITY OF** RHODE ISLAND

KINGSTON, RI. 02881

#### 210 FLAGG FACILITIES **GROUP SPACE EFFICIENCY STUDY & RENOVATION**

210 FLAGG ROAD KINGSTON, RHODE ISLAND OCP PROJECT ID#: KC.G.210F.2022.001

#### CONSTRUCTION **DOCUMENTS**

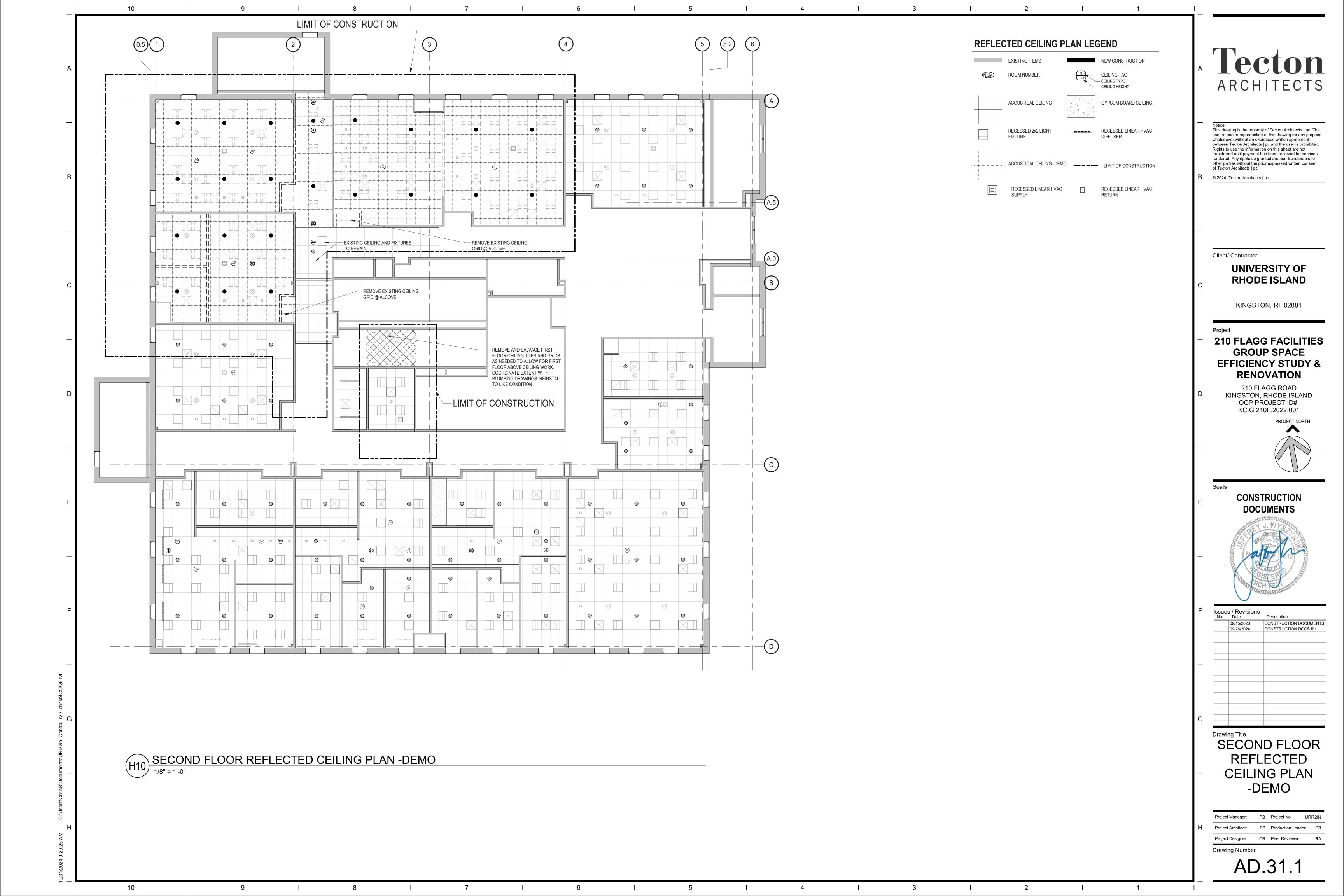


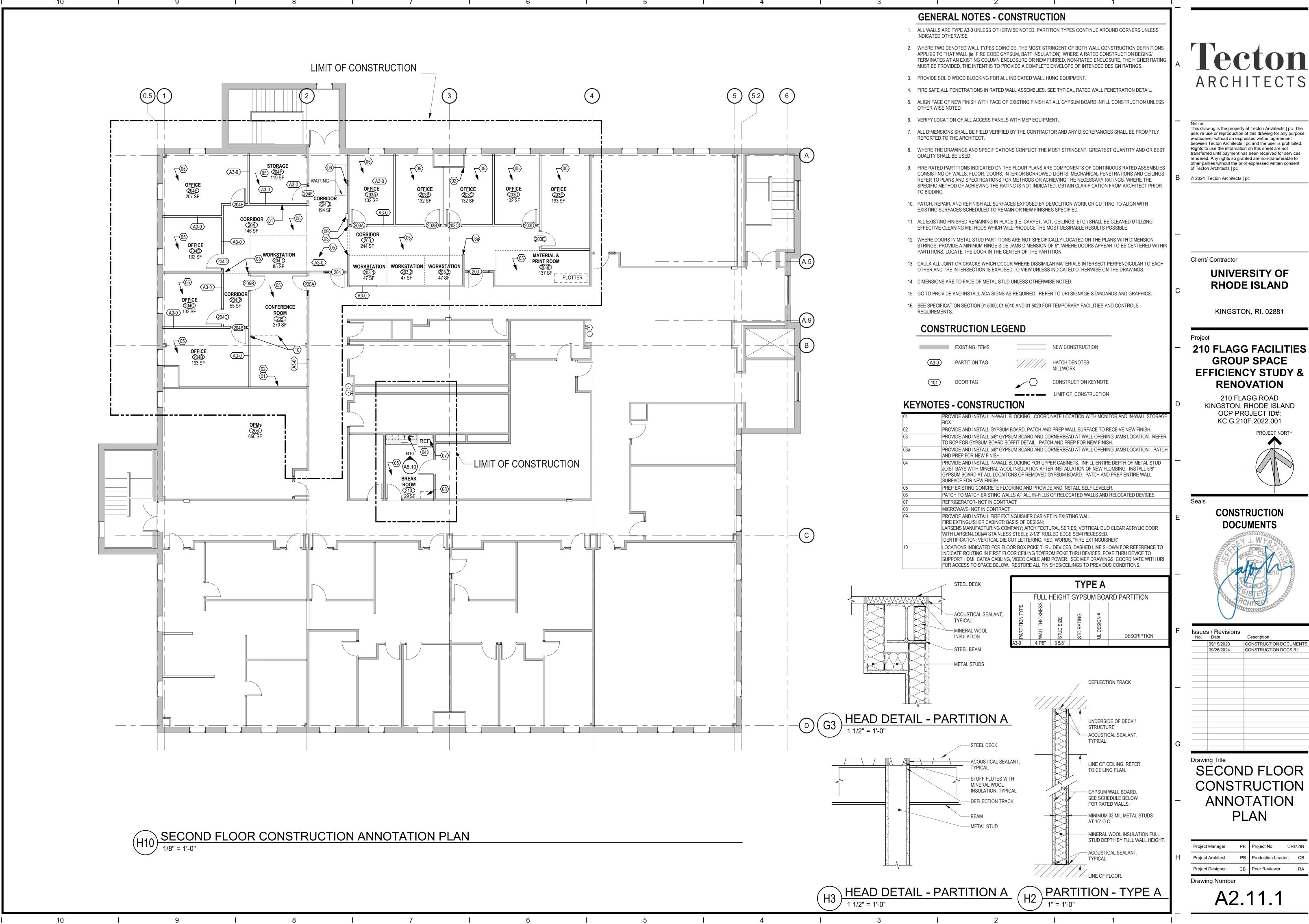
No. Date	Description		
09/15/2023	CONSTRUCTION DOCUMENTS		
09/26/2024	CONSTRUCTION DOCS R1		

SECOND FLOOR **DEMOLITION PLAN** 

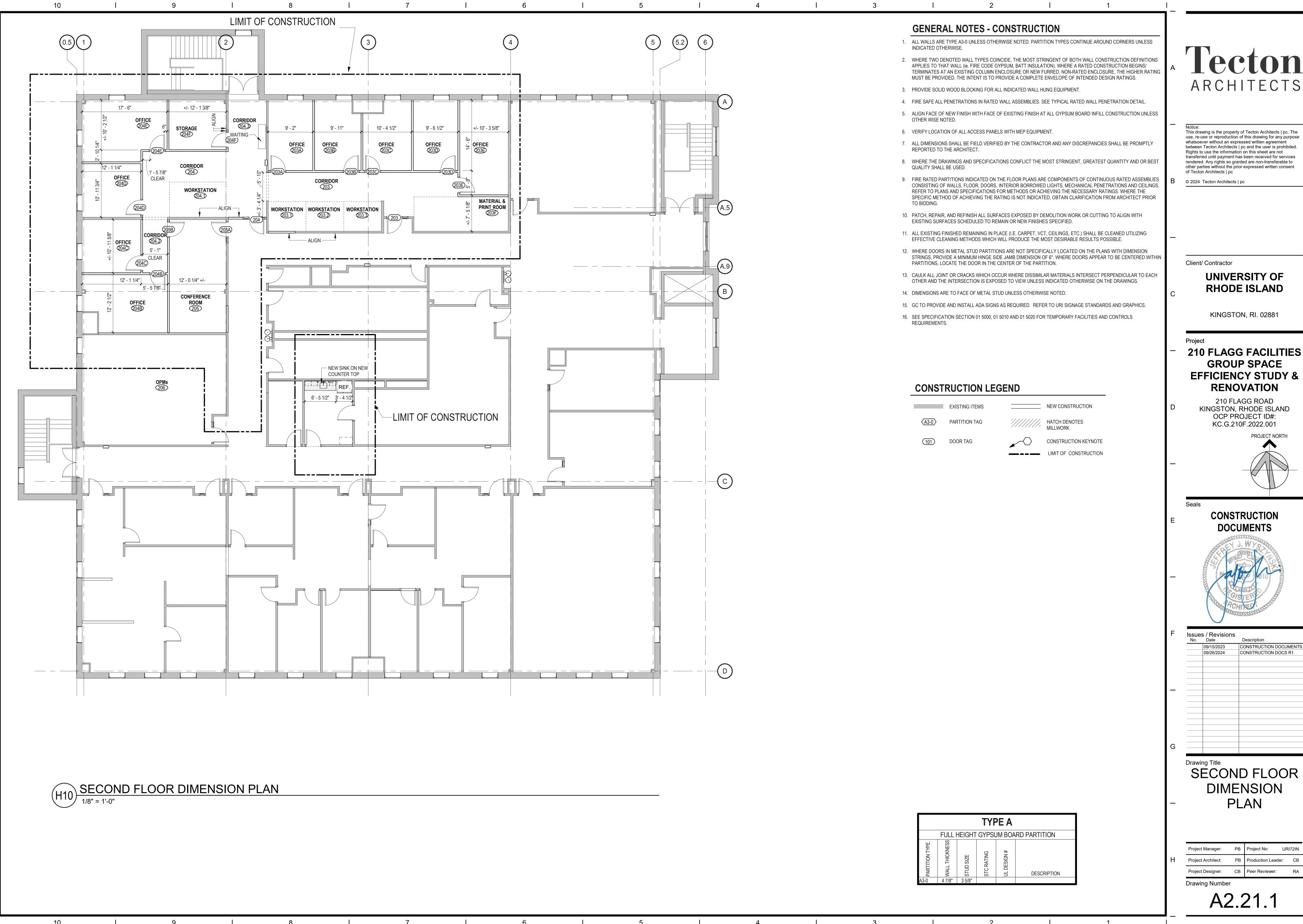
Project Manager: Project Designer: CB | Peer Reviewer: **Drawing Number** 

AD.21.1





CONSTRUCTION DOCUMENTS



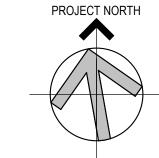
This drawing is the property of Tecton Architects | pc. The use, re-use or reproduction of this drawing for any purpose whatsoever without an expressed written agreement between Tecton Architects | pc and the user is prohibited. Rights to use the information on this sheet are not transferred until payment has been received for services rendered. Any rights so granted are non-transferable to other parties without the prior expressed written consent

**UNIVERSITY OF** RHODE ISLAND

KINGSTON, RI. 02881

#### 210 FLAGG FACILITIES **GROUP SPACE EFFICIENCY STUDY & RENOVATION**

210 FLAGG ROAD KINGSTON, RHODE ISLAND OCP PROJECT ID#: KC.G.210F.2022.001



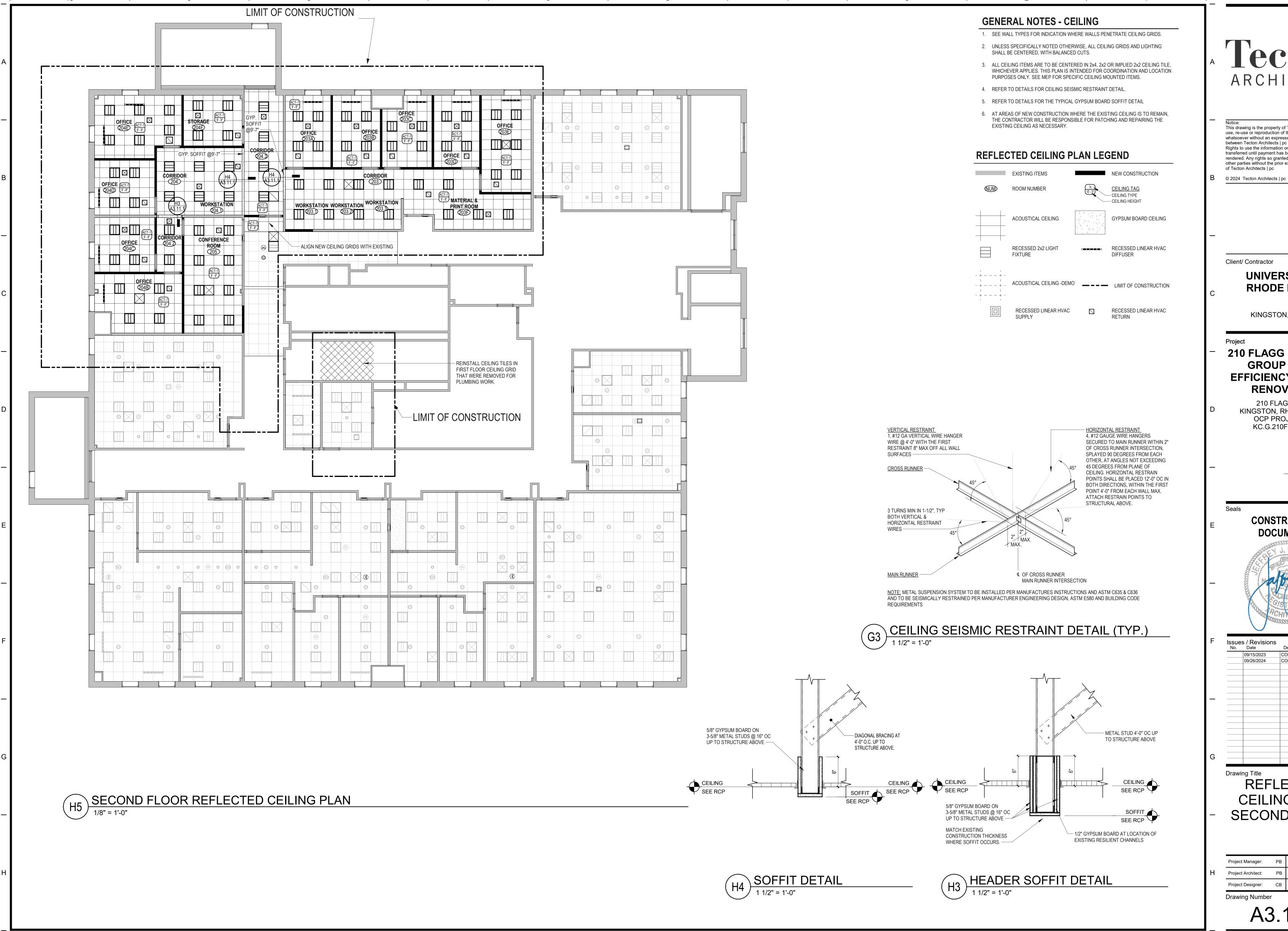
CONSTRUCTION



	Drawing Title					
	SI	<b>ECON</b>	D FI OOR			

Project Designer: CB Peer Reviewer:

A2.21.1



9

ARCHITECTS

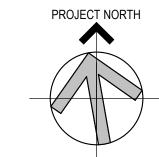
This drawing is the property of Tecton Architects | pc. The use, re-use or reproduction of this drawing for any purpose whatsoever without an expressed written agreement between Tecton Architects | pc and the user is prohibited. Rights to use the information on this sheet are not transferred until payment has been received for services rendered. Any rights so granted are non-transferable to other parties without the prior expressed written consent

**UNIVERSITY OF** RHODE ISLAND

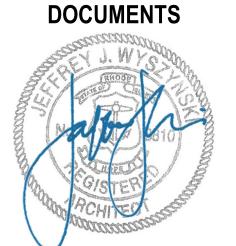
KINGSTON, RI. 02881

**210 FLAGG FACILITIES GROUP SPACE EFFICIENCY STUDY & RENOVATION** 

210 FLAGG ROAD KINGSTON, RHODE ISLAND OCP PROJECT ID#: KC.G.210F.2022.001



CONSTRUCTION

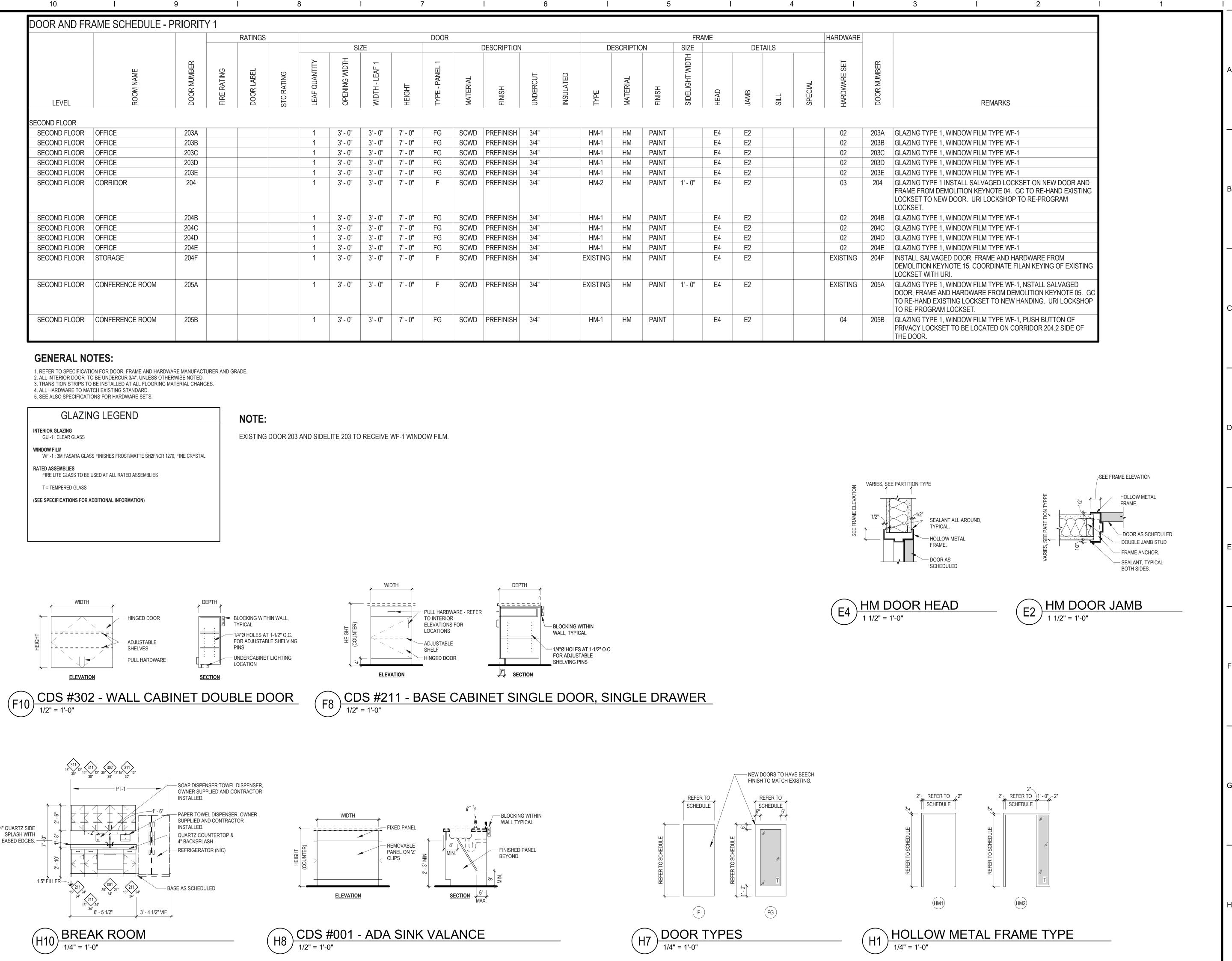


Issue:	s / Revisions Date	Description		
	09/15/2023	CONSTRUCTION DOCUMENTS		
	09/26/2024	CONSTRUCTION DOCS R1		
Drowi	na Titlo			

REFLECTED **CEILING PLAN** SECOND FLOOR

PB Project No: Project Designer: CB | Peer Reviewer:

A3.11.1



9

Tecton

Notice:
This drawing is the property of Tecton Architects | pc. The use, re-use or reproduction of this drawing for any purpose whatsoever without an expressed written agreement between Tecton Architects | pc and the user is prohibited. Rights to use the information on this sheet are not transferred until payment has been received for services rendered. Any rights so granted are non-transferable to other parties without the prior expressed written consent

of Tecton Architects | pc
© 2024 Tecton Architects | pc

Client/ Contractor

UNIVERSITY OF RHODE ISLAND

KINGSTON, RI. 02881

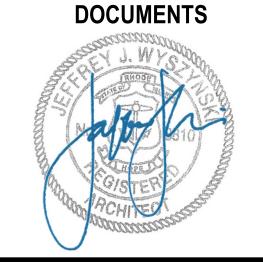
1

210 FLAGG FACILITIES
GROUP SPACE
EFFICIENCY STUDY &
RENOVATION

210 FLAGG ROAD KINGSTON, RHODE ISLAND OCP PROJECT ID#: KC.G.210F.2022.001

Spale

CONSTRUCTION



Issues / Revisions
No. Date Description

09/15/2023 CONSTRUCTION DOCUMENTS

09/26/2024 CONSTRUCTION DOCS R1

DOOR
SCHEDULES,
AND CASEWORK
ELEVATIONS &
DETAILS

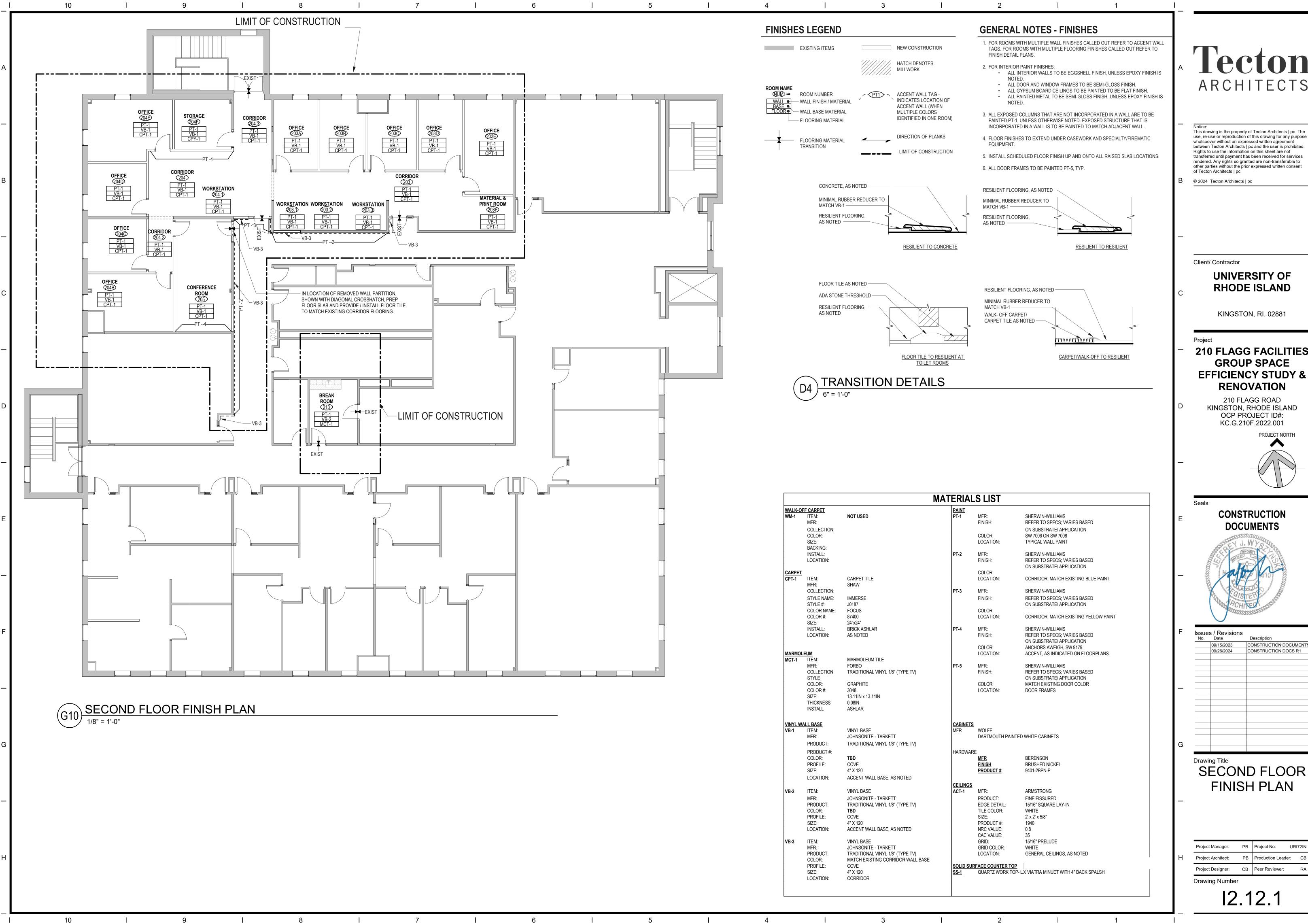
Project Manager: PB Project No: URI72IN

Project Architect: PB Production Leader: CB

Project Designer: CB Peer Reviewer: RA

Drawing Number

A8.10



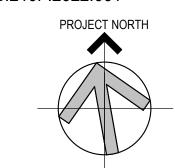
This drawing is the property of Tecton Architects | pc. The use, re-use or reproduction of this drawing for any purpose whatsoever without an expressed written agreement between Tecton Architects | pc and the user is prohibited. Rights to use the information on this sheet are not transferred until payment has been received for services rendered. Any rights so granted are non-transferable to other parties without the prior expressed written consent

#### **UNIVERSITY OF** RHODE ISLAND

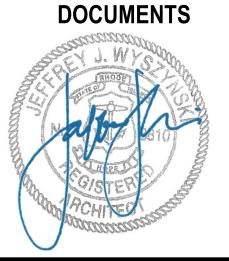
KINGSTON, RI. 02881

#### **210 FLAGG FACILITIES GROUP SPACE EFFICIENCY STUDY & RENOVATION**

210 FLAGG ROAD KINGSTON, RHODE ISLAND OCP PROJECT ID#: KC.G.210F.2022.001



### **CONSTRUCTION**

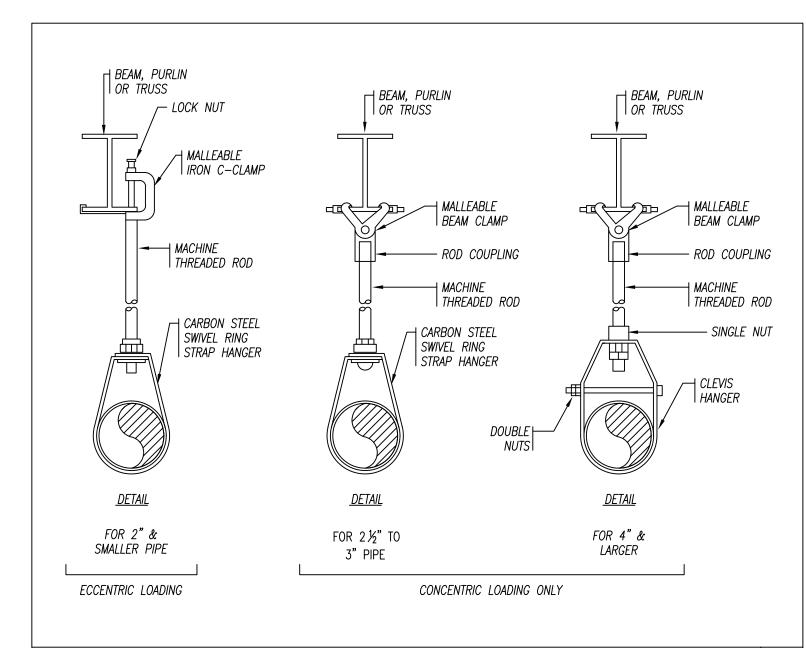


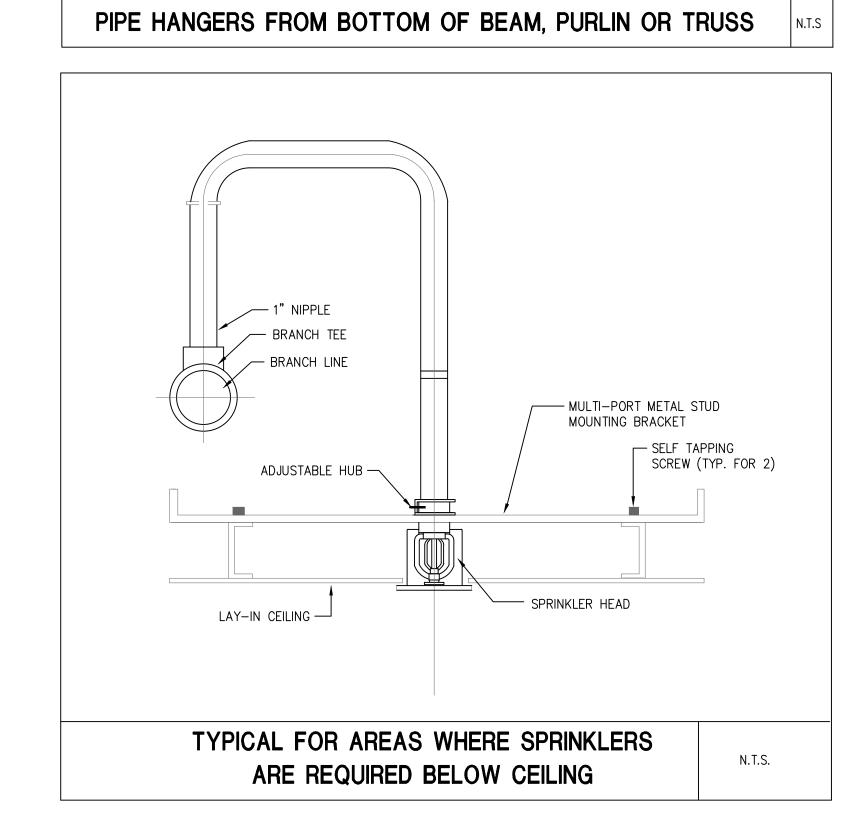
No.	Date	Description
	09/15/2023	CONSTRUCTION DOCUMENT
	09/26/2024	CONSTRUCTION DOCS R1
raw	ing Title	ID 51 00D

Project Manager: PB Project No:

PB Production Leader: CB Project Designer: CB Peer Reviewer: **Drawing Number** 

12.12.1





#### FIRE PROTECTION NOTES

- 1. BASIS OF DESIGN: KINGSTON, RI FIRE DEPARTMENT AND RHODE ISLAND STATE CODES.
- 1.1. SPRINKLERS SYSTEMS, SHALL BE INSTALLED BY A LICENSED SPRINKLER CONTRACTOR WITH LICENSED SPRINKLER FITTERS.
- 2. SPRINKLER SYSTEM
- 2.1. SPRINKLERS SHALL BE INSTALLED IN ALL AREAS OF THE BUILDING WHERE SHOWN, INCLUDING ROOMS CONTAINING ELECTRICAL EQUIPMENT.
- 2.2. THE SPRINKLER SYSTEM SHALL BE SIZED BASED ON HYDRAULIC CALCULATIONS THAT PROVIDE A MINIMUM 10 PSI SAFETY MARGIN.
- 2.3. THE PRIMARY SPRINKLER SYSTEM SHALL BE AN AUTOMATIC WET TYPE SYSTEM.
- 2.4. THE AUTOMATIC WET SPRINKLER SYSTEMS SHALL BE MONITORED BY AN EXISTING ALARM CHECK VALVE LOCATED IN THE SPRINKLER SERVICE ROOM.
- 3. PIPE HANGERS TO BE INSTALLED IN ACCORDANCE WITH NFPA-13:
- 3.1. NO OTHER PIPING OR DEVICES ARE TO BE ATTACHED TO SPRINKLER PIPE HANGING SYSTEM
- 3.2. PIPING SHALL BE INSTALLED WITH EARTHQUAKE BRACING IN ACCORDANCE WITH NFPA 13 AND THE STATE BUILDING CODE.

#### 4. SPRINKLERS:

- 4.1. SPRINKLER HEADS ARE TO BE QUICK RESPONSE 155 DEGREE TYPE UNLESS NOTED OTHERWISE.
- 4.2. CONCEALED TYPE SPRINKLER HEADS ARE TO BE MOUNTED IN CENTER OF CEILING
- 4.3. CONCEALED HEADS IN ALL AREAS ARE TO BE WHITE. DEEP ADJUSTABLE ESCUTCHEONS ARE TO BE USED ADJACENT TO SURFACE MOUNTED LIGHTING.
- 4.4. SPRINKLER HEADS FOR GENERAL AREAS WITHOUT CEILINGS SHALL BE UPRIGHT TYPE WITH ORDINARY TEMPERATURE RATING.
- 4.5. SPRINKLER HEADS FOR MECHANICAL AND ELECRTRIC ROOMS WITHOUT CEILINGS SHALL BE UPRIGHT WITH INTERMEDIATE TEMPERATURE RATING.

#### PIPE:

- 5.1. ALL 2-1/2" THROUGH 6" PIPING SHALL BE ASTM A-175 BLACK SCHEDULE 10 PIPE WITH GROOVED CONNECTIONS.
- 5.2. ALL 1" THROUGH 2" PIPING SHALL BE ASTM A-53 BLACK SCHEDULE 40 PIPE WITH THREADED CONNECTIONS.

#### 6. SHUTDOWNS

6.1. CONTRACTOR SHALL PROVIDE THE OWNER'S AGENT WRITTEN NOTIFICATION A MINIMUM OF 72 HOURS PRIOR TO ANY SYSTEM SHUTDOWNS. (\*VERIFY AND COORDINATE TIME DURATION WITH DISCIPLINE SPECIFICATION\*)

#### FIRE PROTECTION LEGEND

<u>EXISTING</u>	SYMBOL	<u>ABBR</u>	DESCRIPTION
SPR	SPR	SPR	SPRINKLER PIPING
<del>-x -x -x -x -</del>			EXISTING SPR PIPE TO BE REMOVED
	<del></del>		CONNECT NEW TO EXISTING PIPING
<u></u>	——₩		GATE VALVE
			PIPE CAP
<del></del>	<del></del>		PIPE CONTINUATION
O	<del></del> 0		PIPE UP THRU SLAB OF FLOOR ABOVE
-			PIPE DOWN THRU FLOOR SHOWN
			PIPE DROP
			PIPE RISE
	×	<b>ETBR</b>	EXISTING TO BE REMOVED
		G	SPRINKLER GUARD
		E	EXISTING SPR HEAD
		R	EXISTING SPR HEAD TO BE RELOCATED & REUSEL
		CTE	CONNECT TO EXISTING
		ETR	EXISTING TO REMAIN
		ETBR	EXISTING TO BE REMOVED
		ETBR&R	EXISTING TO BE REMOVED & REPLACED
		VIF	VERIFY IN FIELD
		NF	NON FERROUS PIPING

### TEMPORARY SPRINKLER PROTECTION DURING CONSTRUCTION TEMPORARY STATIC: - PSI RESIDUAL: - PSI

4

- 1) FP CONTRACTOR TO INSTALL TEMPORARY SPRINKLER PROTECTION WITHIN PROJECT SCOPE DURING CONSTRUCTION BY TURNING ANY PENDENT SPR HEADS UPRIGHT TO CLOSE TO DECK. FP CONTRACTOR TO INCLUDE THIS COST IN THE BID.
- 2) FIRE PROTECTION CONTRACTOR SHALL INCLUDE IN HIS BID ALL REQUIREMENTS SET FORTH IN NFPA-241 "STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATIONS, DEMOLITION OPERATIONS THAT PERTAIN TO FIRE PROTECTION & SPRINKLER.

#### DESIGN DENSITIES

EXISTING BUILDING CONSTRUCTION: NON-COMBUSTIBLE CONCRETE BLOCK & STEEL CONSTRUCTION.

- PROJECT INCLUDES RENOVATION TO EXISTING OFFICE SPACES
DESIGN NFPA 13 2013: LIGHT HAZARD

LIGHT HAZARD .10 GPM / 1500 SQ. FT. + 100 GPM HOSE

CENTERLINE OF TILE YES NO								
	SPRINKLER SYMBOLS							
SYM	NAME	METAL	TEMP	К	NPT	MFG.	MODEL#	FINISH
•	PENDENT	BRASS	155 <b>°</b>	5.60	1/2"	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING

\* CONFIRM IF REQUIRED TO BE QUICK RESPONSE

### HYDRANT FLOW WATER DATA

STATIC: - PSI
RESIDUAL: - PSI
PITOT: - PSI
FLOW: - GPM

IF REQUIRED FP CONTRACTOR
TO INCLUDE IN HIS BID
THE COST TO PERFORM
HYDRANT FLOW TEST.

#### FIRE PROTECTION DEMOLITION NOTES

- THIS SUBCONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING SPRINKLERS AND SPRINKLER PIPING IN THE BUILDING INDICATED WHEN THE PHASING SCHEDULE ALLOWS. SPRINKLER SYSTEMS SHALL REMAIN UNLESS OTHERWISE INDICATED. SPECIAL ATTENTION MUST BE GIVEN TO THE REQUIRED PHASING OF THE CONSTRUCTION AS IT RELATES TO FIRE PROTECTION.
- 2. DISCONNECTED PIPING SHALL BE REMOVED AND NEATLY STOCKPILED WHERE AND, AS DIRECTED BY THE THE GENERAL CONTRACTOR, UNTIL MATERIAL CAN BE DISPOSED OF AS
- 3. ALL DISCONNECTED AND REMOVED PIPING SHALL BE PLUGGED OR CAPPED BACK AT MAIN OR RISER. ALL UNUSED BRANCH PIPING MUST BE REMOVED.

#### APPLICABLE CODES

2021 RHODE ISLAND BUILDING CODE (IBC 2018 WITH AMENDMENTS)
2021 RHODE ISLAND PLUMBING CODE (IPC 2018 WITH AMENDMENTS)
2021 RHODE ISLAND MECHANICAL CODE (IMC 2018 WITH AMENDMENTS)
2021 STATE OF RHODE ISLAND ENERGY CONSERVATION CODE (IECC 2018 WITH AMENDMENTS)
RHODE ISLAND ACCESSIBILITY CODE 2009 (A117.1, 2009)
2010 ADA STANDARDS
2021 RHODE ISLAND ELECTRICAL CODE (NFPA 70, 2020)
RHODE ISLAND LIFE SAFETY CODE (NFPA 101, 2018)
LIFE SAFETY CODE OF CMS (NFPA 101, 2012)
RHODE ISLAND FIRE CODE (NFPA 1, 2018)
RHODE ISLAND FIRE SPRINKLER CODE 2016 (NFPA 13, 2016)
RHODE ISLAND STANDPIPE AND HOSE SYSTEM INSTALLATION CODE 2016 (NFPA 14, 2016)
RHODE ISLAND FOR ALARM CODE (NFPA 72, 2019)
RHODE ISLAND COMMERCIAL ENERGY CODE 2016 (ASHRAE 90.1, 2016)

2

# Tecton

Notice:
This drawing is the property of Tecton Architects | pc. The use, re-use or reproduction of this drawing for any purpose whatsoever without an expressed written agreement between Tecton Architects | pc and the user is prohibited. Rights to use the information on this sheet are not transferred until payment has been received for services rendered. Any rights so granted are non-transferable to other parties without the prior expressed written consent of Tecton Architects | pc

© 2024 Tecton Architects | pc



Client/ Contractor

UNIVERSITY OF RHODE ISLAND

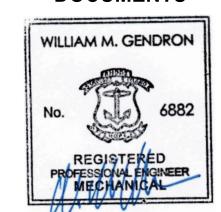
KINGSTON, RI. 02881

210 FLAGG FACILITIES
GROUP SPACE
EFFICIENCY STUDY &
RENOVATION

210 FLAGG ROAD KINGSTON, RHODE ISLAND OCP PROJECT ID#: KC.G.210F.2022.001

Seals

CONSTRUCTION DOCUMENTS



No.	/ Revisions  Date	Description		
1	09/15/2023	CONSTRUCTION DOCUMENTS		
2	09/26/2024	CONSTRUCTION DOCS R1		

Drawing Title

FIRE PROTECTION
LEGEND, SCHEDULES
& DETAILS

NOT TO SCALE

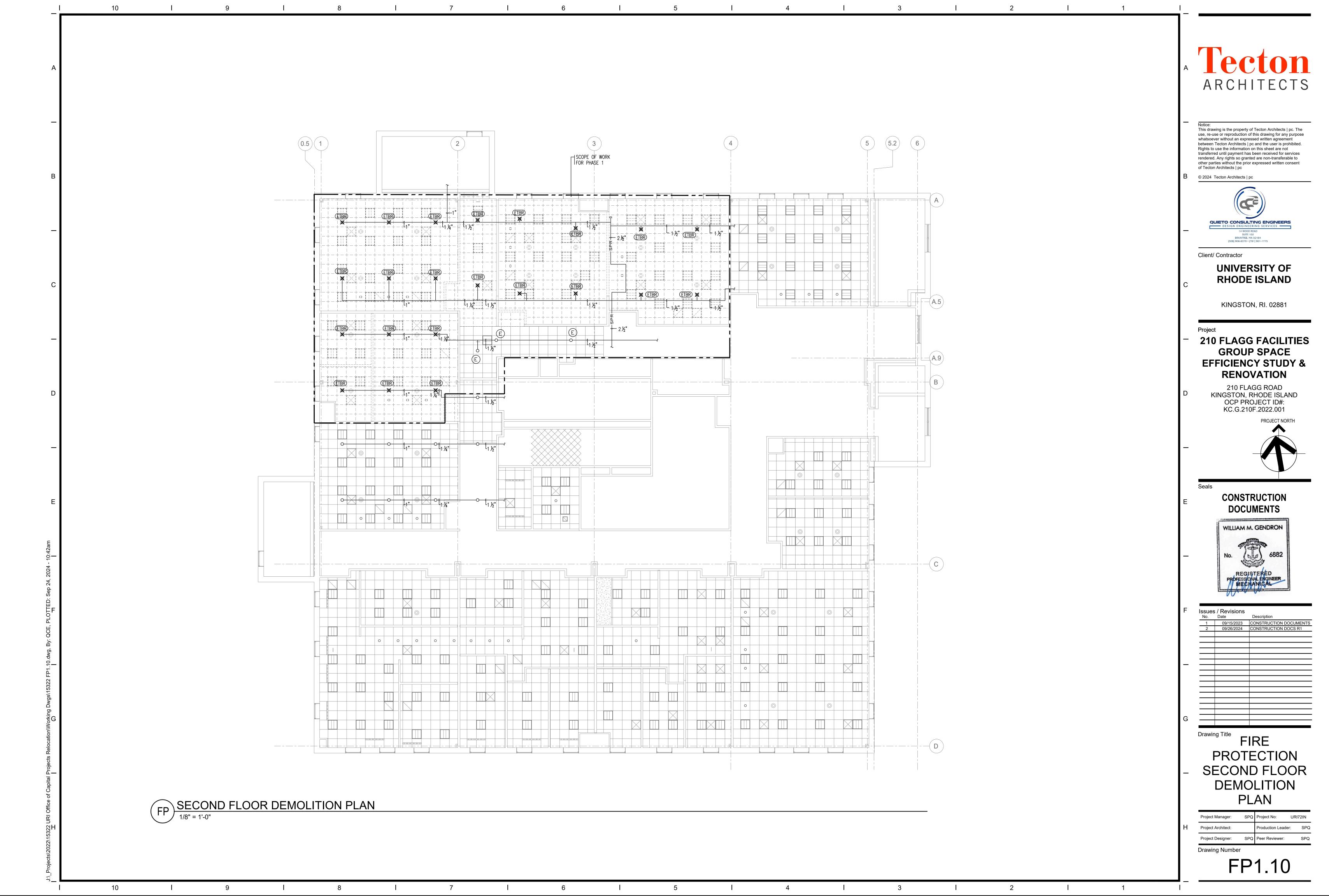
Project Manager: SPQ Project No: URI72IN

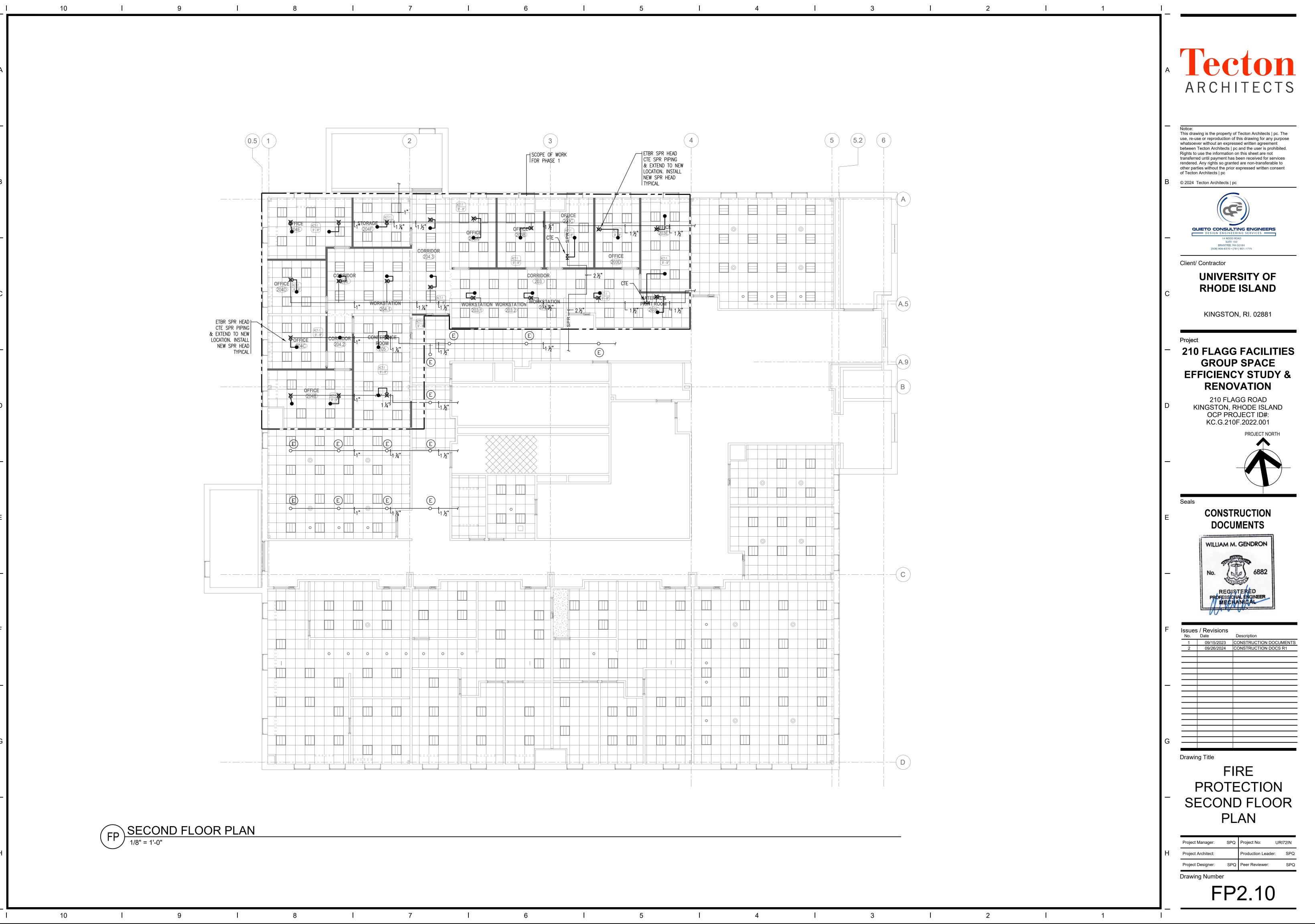
Project Architect: Production Leader: SPQ

Project Designer: SPQ Peer Reviewer: SPQ

Prawing Number FP0.01

10





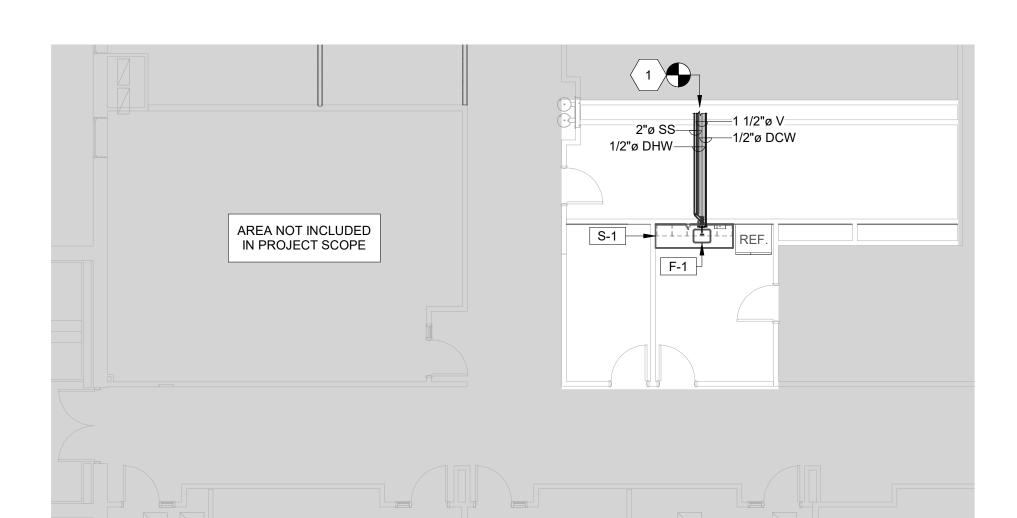
ojects\2022\15322 URI Office of Capital Projects Relocation\Working Dwgs\15322 FP2.10.dwg, By: QCE, PLOTTED: Sep 24, 202

PLUMBING LEGEND					
SS	SANITARY SEWER PIPING				
PW	PUMPED WASTE				
VENT	VENT PIPING				
DCW	COLD WATER				
DHW	HOT WATER				
co	CLEANOUT				
	GATE VALVE				
——————————————————————————————————————	BALL VALVE				
	BALANCING VALVE				
	CHECK VALVE				
	GAS COCK				
FD	FLOOR DRAIN				
FS	FLOOR SINK				
]	CLEANOUT				
	FLUSH FLOOR CLEANOUT				
	DROP				
VTR	VENT THROUGH ROOF				

#### **GENERAL NOTES** 1. GENERAL NOTES, SYMBOLS LIST AND DETAILS ARE APPLICABLE TO ALL PLUMBING DRAWINGS. 2. DRAWINGS ARE DIAGRAMMATIC: DETERMINE LOCATIONS OF SYSTEMS AND COMPONENTS IN FIELD. 3. DIMENSIONS SHOWN ON PLAN ARE HORIZONTAL. DIMENSIONS SHOWN IN ELEVATION ARE VERTICAL. 4. DETERMINE EXACT LOCATIONS OF EXISTING UTILITIES IN FIELD, WHETHER OR NOT SHOWN ON DRAWINGS. EXERCISE CAUTION AND IDENTIFY LOCATIONS OF UNMARKED UTILITY LINES AS NECESSARY TO PERFORM WORK OF THIS SECTION. 5. ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE LATEST PLUMBING CODE AND ALL APPLICABLE LOCAL CODES. 6. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO COORDINATE THE WORK WITH THAT OF ALL OTHER TRADES, INCLUDING BUT NOT LIMITED TO ELECTRICAL, HVAC, PLUMBING, STRUCTURAL AND GENERAL ARCHITECTURE. ANY INTERFERENCE SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE, AND SHALL BE RESOLVED PRIOR TO THE INSTALLATION OF THE WORK. 8. ALL PIPING PENETRATING CEILINGS AND WALLS SHALL BE INSTALLED WITH ESCUTCHEONS AT THE PENETRATION. ALL PIPING PENETRATING EXTERIOR WALLS AND ROOFS SHALL BE FLASHED IN AN APPROVED MANNER AND SHALL BE SEALED WEATHERTIGHT. PIPING PENETRATING FIRE RATED PARTITIONS SHALL BE PROVIDED WITH FIRE RATED SEALS AS REQUIRED BY LOCAL CODE AUTHORITY. 9. MANUFACTURERS' MODEL NUMBERS ARE SPECIFIED SOLELY TO ESTABLISH STANDARDS OF QUALITY FOR PERFORMANCE AND MATERIALS. 10. INSTALLATION SHALL ADHERE TO MANUFACTURERS' RECOMMENDATIONS. 11. PROVIDE ACCESS PANELS TO SYSTEM COMPONENTS THAT ARE CONCEALED AND REQUIRE PERIODIC SERVICE. 12. PROVIDE SHUTOFF VALVES ON ALL BRANCH PIPING AND ON ALL SUPPLIES TO INDIVIDUAL FIXTURES AND EQUIPMENT. PROVIDE BALL VALVES ON ALL WATER MAIN BRANCHES IN CORRIDORS AND WHERE INDICATED ON DRAWINGS. 13. PROVIDE CLAMPS, OFFSETS, EXPANSION JOINTS, ANCHORS AND GUIDES AS NEEDED TO PREVENT 14. PROVIDE VENTS AT HIGH POINTS IN PIPING SYSTEMS AND DRAIN VALVES AT LOW POINTS.

16. VERIFY EXACT SIZES, LOCATIONS, INVERTS AND ELEVATIONS PRIOR TO RUNNING ANY PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FIXTURES AND EQUIPMENT.

15. PITCH PRESSURE PIPING IN DIRECTION OF FLOW.



SECOND FLOOR PLUMBING NEW WORK PLAN

#### **GENERAL DRAWING NOTES**

- 1 CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS, AND CLEARANCES REQUIRED PRIOR TO ORDERING NEW EQUIPMENT.
- 2 ALL EXISTING EQUIPMENT, PIPING, ELECTRICAL, AND STUCTURAL COMPONENTS ARE NOT ILLUSTRATED ON DRAWINGS. FIELD VERIFY ADDITIONAL MISCELLANEOUS COORDINATION FOR REMOVAL OR RELOCATION NECESSARY TO COMPLETE THE INSTALLATION OFNEW WORK.
- 3 COORDINATE ALL EQUIPMENT SHUTDOWNS WITH OWNER.
- 4 CONTRACTOR SHALL FIELD VERIFY THE STRUCTURAL INTEGRITY OF ALL EXISTING DUCTWORK AND PIPING TO BE REUSED. REPORT ANY OBSERVED DEFICIENCIES TO ENGINEER AND OWNER FOR REVIEW.

#### **KEYNOTE LEGEND**

1 CONNECT NEW 1/2"DCW&DHW TO EXISTING 2"DCW&DHW MAIN. CONNECT NEW 2"SS TO EXISTING 2"SS LOCATED ABOVE LEVEL 1 CEILING, BELOW. CONNECT NEW 1-1/2"V TO EXISTING VENT.

### Tecton

Notice:
This drawing is the property of Tecton Architects | pc. The use, re-use or reproduction of this drawing for any purpose whatsoever without an expressed written agreement between Tecton Architects | pc and the user is prohibited. Rights to use the information on this sheet are not transferred until payment has been received for services rendered. Any rights so granted are non-transferable to other parties without the prior expressed written consent of Tecton Architects | pc

© 2024 Tecton Architects | pc

Client/ Contractor

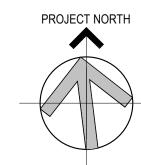
UNIVERSITY OF RHODE ISLAND

KINGSTON, RI 02881

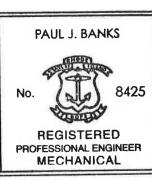
Project

FACILITIES GROUP SPACE EFFICIENCY STUDY AND RENOVATION

210 FLAGG ROAD KINGSTON, RHODE ISLAND



CONSTRUCTION DOCUMENTS



) Laws

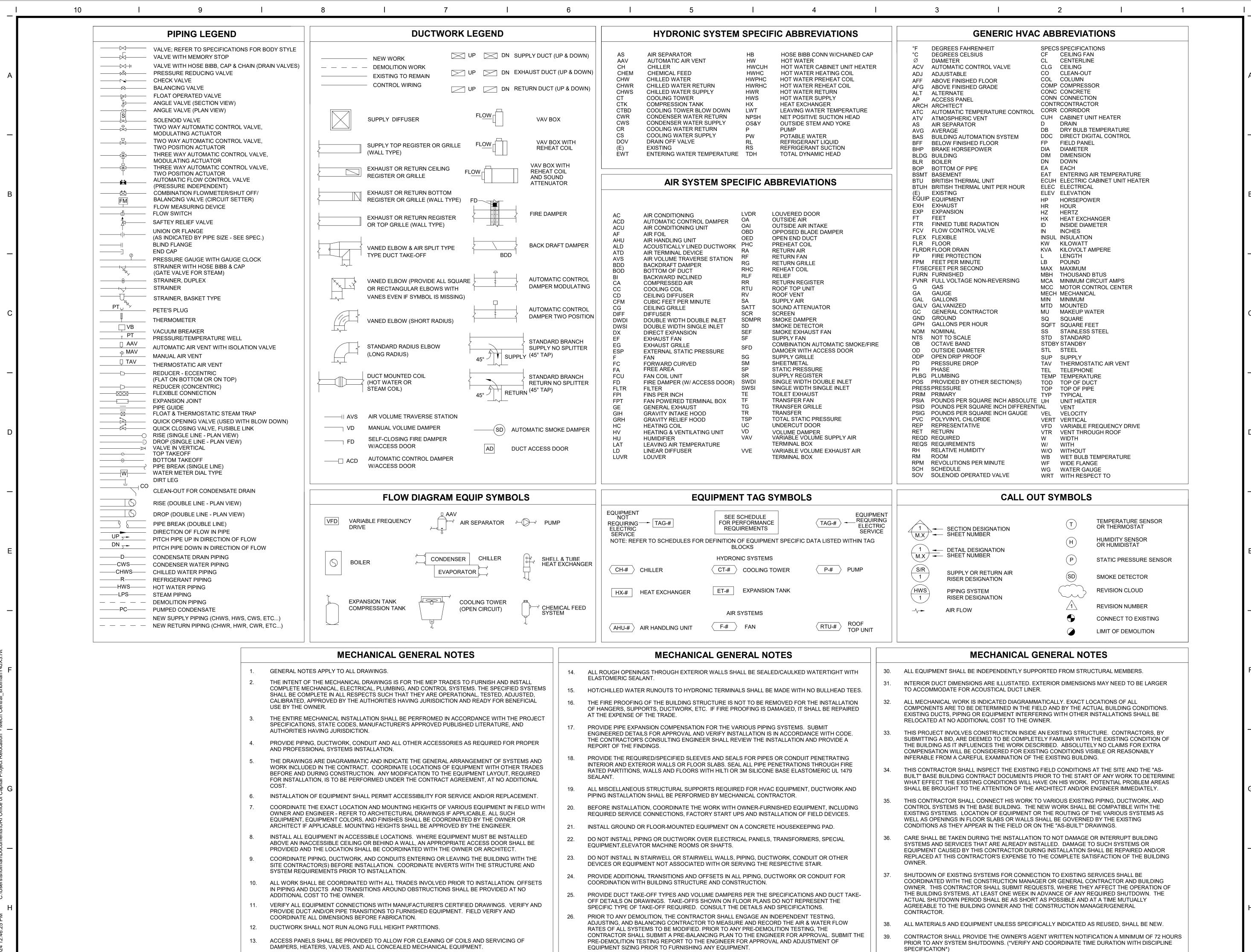
	Description
09/15/2023	CONSTRUCTION DOCUMENT
09/26/2024	CONSTRUCTION DOCUMENT
	09/26/2024

SECOND FLOOR
PLUMBING NEW
WORK PLAN

Project Manager: JB		Project No: URI72IN	
Project Architect:	JB	Production Leader:	JB
Project Designer:	SH	Peer Reviewer:	РВ

Drawing Number

P1.00



ARCHITECTS

This drawing is the property of Tecton Architects | pc. The use, re-use or reproduction of this drawing for any purpose whatsoever without an expressed written agreemen between Tecton Architects | pc and the user is prohibited Rights to use the information on this sheet are not transferred until payment has been received for services rendered. Any rights so granted are non-transferable to other parties without the prior expressed written consent of Tecton Architects | pc

© 2024 Tecton Architects | pc

Client/ Contractor

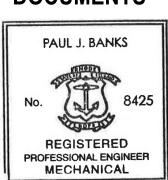
**UNIVERSITY OF** RHODE ISLAND

KINGSTON, RI 02881

**FACILITIES GROUP SPACE EFFICIENCY STUDY AND** RENOVATION

210 FLAGG ROAD KINGSTON, RHODE ISLAND

CONSTRUCTION **DOCUMENTS** 



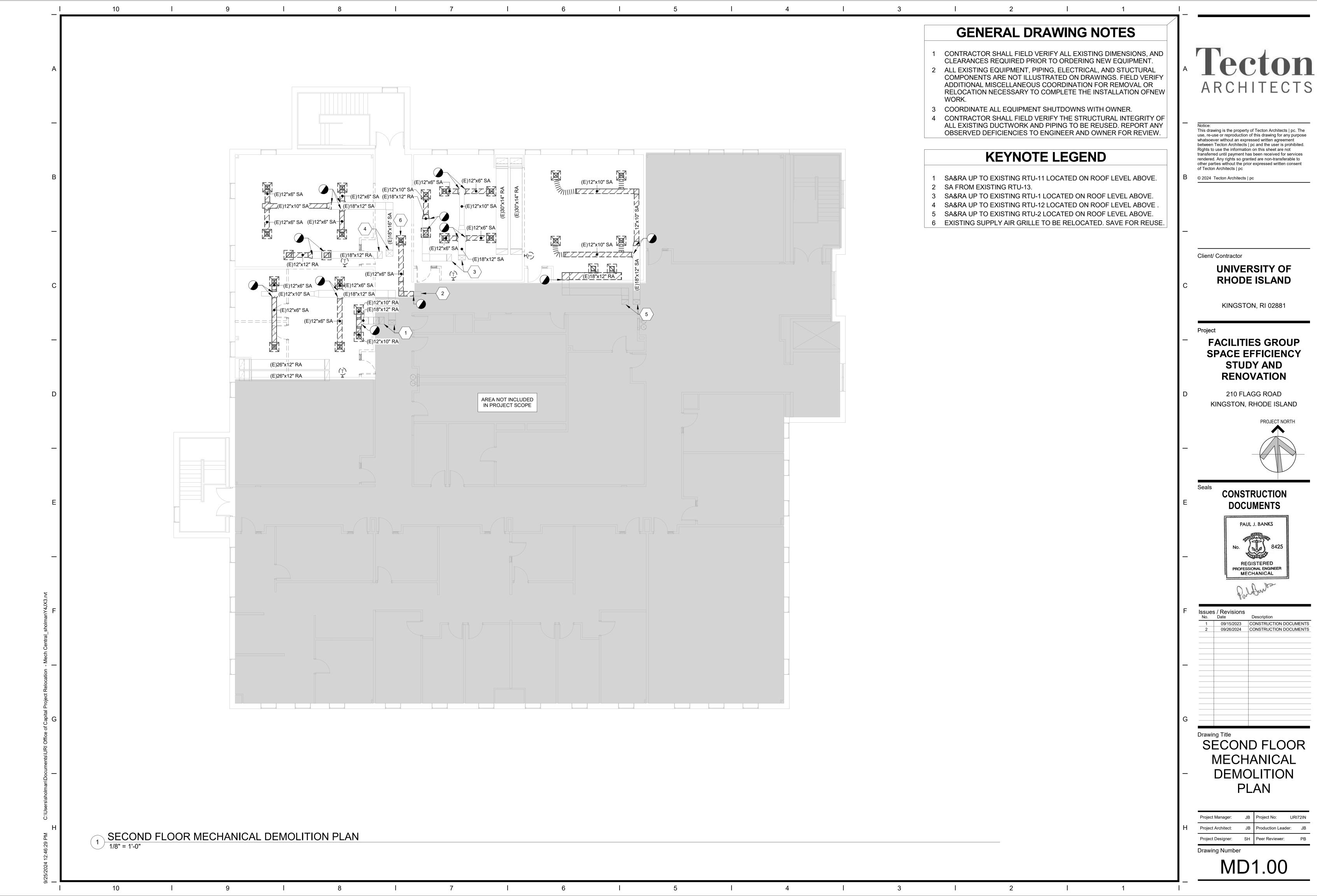
Issues / Revisions No. Date

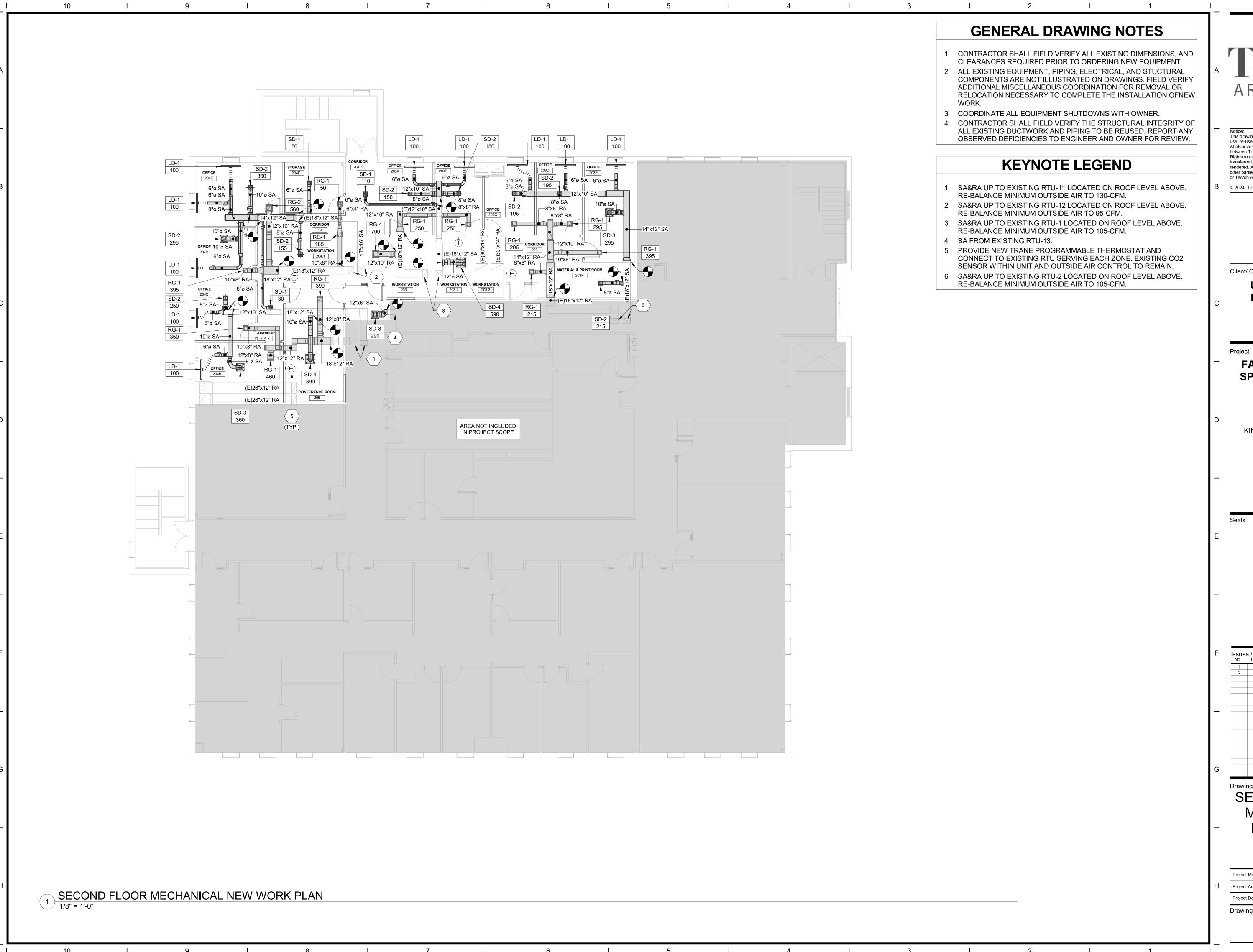
1 09/15/2023 CONSTRUCTION DOCUMENTS 2 09/26/2024 CONSTRUCTION DOCUMENTS

Drawing Title **MECHANICAL** 

Proiect No: Project Manager: Project Architect: JB | Production Leader: JE Project Designer: SH Peer Reviewer:

Drawing Number





This drawing is the property of Tecton Architects | pc. The use, re-use or reproduction of this drawing for any purpose whatsoever without an expressed written agreement between Tecton Architects | pc and the user is prohibited. Rights to use the information on this sheet are not transferred until payment has been received for services rendered. Any rights so granted are non-transferable to other parties without the prior expressed written consent of Tecton Architects | pc

© 2024 Tecton Architects | pc

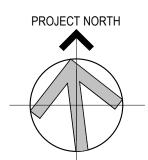
Client/ Contractor

**UNIVERSITY OF RHODE ISLAND** 

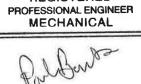
KINGSTON, RI 02881

**FACILITIES GROUP SPACE EFFICIENCY** STUDY AND RENOVATION

210 FLAGG ROAD KINGSTON, RHODE ISLAND



CONSTRUCTION **DOCUMENTS** 



Issues / Revisions No. Date 1 09/15/2023 CONSTRUCTION DOCUMENTS 2 09/26/2024 CONSTRUCTION DOCUMENTS

**Drawing Title** SECOND FLOOR **MECHANICAL NEW WORK** PLAN

Project Architect: JB Production Leader: JB  Project Designer: SH Peer Reviewer: PB	Project Manager:	JB	Project No: UR	1/2IN
Project Designer: SH Peer Reviewer: PB	Project Architect:	JB	Production Leader:	JB
	Project Designer:	SH	Peer Reviewer:	РВ

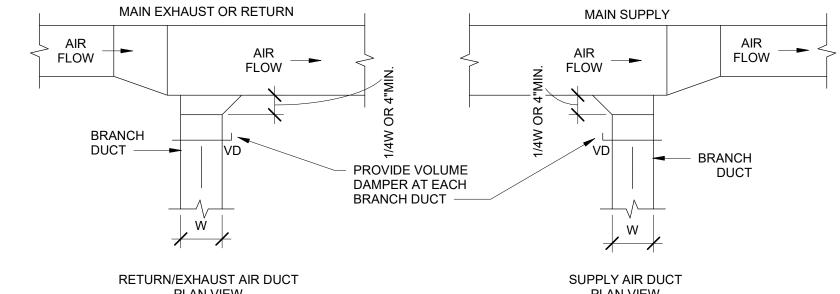
Drawing Number

M1.00

### GRILLE, REGISTER, & DIFFUSER SCHEDULE

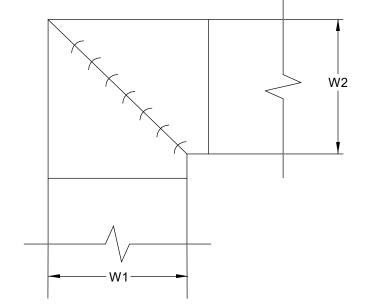
				MAX AIRFLOW		INLET SIZE	SLOT NUMBER,	FACE SIZE (LxW)	STATIC PRESSURE		MAX NOISE	
MARK	TYPE	MANUFACTURER	MODEL	(CFM)	MOUNTING	(IN.)	WIDTH	(IN.)	DROP (IN. WG.)	THROW	CRITERIA	REMARKS
SD-1	SUPPLY DIFFUSER	PRICE	SCDA	140	LAY IN	6	-	12x12	0.082	4-6-9	18	1,2,3
SD-2	SUPPLY DIFFUSER	PRICE	SCDA	280	LAY IN	8	-	12x12	0.152	6-9-13	28	1,2,3
SD-3	SUPPLY DIFFUSER	PRICE	SCDA	350	LAY IN	8	-	20x20	0.118	4-7-10	25	1,2,3
SD-4	SUPPLY DIFFUSER	PRICE	SCDA	630	LAY IN	12	-	24x24	0.112	5-8-13	26	1,2,3
LD-1	LINEAR DIFFUSER	PRICE	SDS	100	SDB	6	2, 1/2	48	0.05	10-12-16	-	1,2,3
RG-1	RETURN GRILLE	PRICE	535	455	LAY IN	-	-	12x12	0.9	-	26	1,2,3
RG-2	RETURN GRILLE	PRICE	535	800	LAY IN	-	-	16X16	0.097	-	28	1,2,3
	_	1		1	•		<u>'</u>				-	

- COLOR BY ARCHITECT.
- PROVIDE TRANSITION AS NECESSARY.
- PROVIDE WITH ACT BLANK-OFF PLATE AS REQUIRED.



ROD (TABLE 2)





- ALL VANE ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA. WHEN W1 DOES NOT EQUAL W2, VANE SHALL BE SINGLE THICKNESS VANE TYPE
- REGARDLESS OF W DIMENSION.
- ALL SINGLE THICKNESS VANES SHALL HAVE A 2" RADIUS, 1-1/2" MAXIMUM SPACE BETWEEN VANES AND A 3/4" TRAILING EDGE.
- WHEN W EQUALS W2 AND W1 IS GREATER THAN 20" VAES SHALL BE DOUBLE VANE TYPE.

### DUCTWORK RECTANGULAR VANED ELBOWS

#### CHECKLIST:

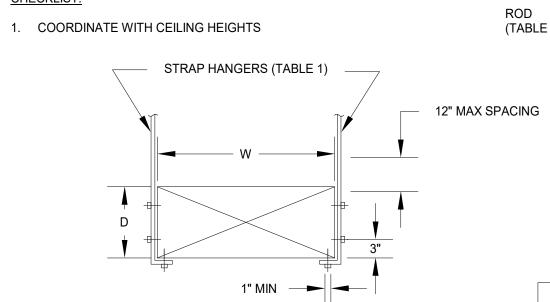


TABLE 1 STRAP HANG	GERS (PAIR) SPACED
W+D MAX.	8'-0" MAX.
72"	1" X 22 GA
96"	1" X 20 GA
120"	1" X 18 GA
168"	
400"	

72"	1" X 22 GA
96"	1" X 20 GA
120"	1" X 18 GA
168"	
192"	

- 1. TABULATED DATA FROM SMACNA ALLOWS FOR DUCT
- REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.
- 2. PROVIDE HIGH DENSITY INSERT AT TRAPEZE FOR INSULATED 3. NO PIPING OR ELECTRIC CONDUIT SHALL BE HUNG FROM THE

RECTANGULAR DUCT HANGERS

	TABLE 3 TRAPEZE ANGLE LOAD, MAX						
L	2" X 2" X 1/4"	2 1/2" X 2 1/2" X 1/4"					
36"	1200 LBS	1940 LBS					
48"	1160 LBS	1900 LBS					
60"	1060 LBS	1800 LBS					
72"	900 LBS	1640 LBS					
84"	660 LBS	1400 LBS					
96"	320 LBS	1060 LBS					

(TABLE 3)

STRAPS

2 - 1" X 22 GA

TABLE 2 ALLOWABLE HANGER LOAD, MAX

STRAPS

2 - 3/8" DIA

2 - 3/8" DIA

1400 2 - 3/<sub>8</sub>" DIA

—**—** 6" MAX

LBS

360

2500

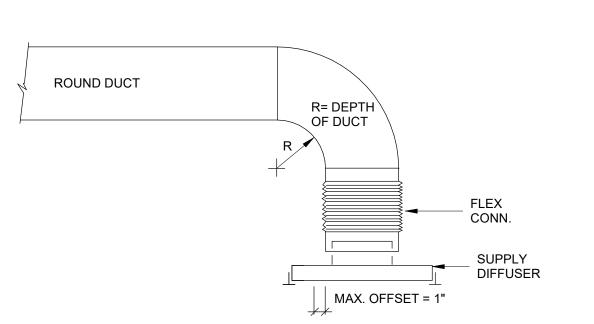
4000

6000

#### INSULATION. SEE SPECIFICATION 1/2" ROUND ROD DUCT OUTSIDE END BEARING INSULATION Symmy Washington STAND-OFF DAMPER - CLEARANCE ALL AROUND HANDLE WITH LOCKING QUADRANT B'mmmmmm. REFER TO SMACNA SIDE ELEVATION FOR DUCT SECTION INSIDE END **BEARING**

- 1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR
- 2. DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND
- 3. DAMPER MATERIALS SHALL BE EQUIVALENT TO DUCT 4. REFER TO SMACNA FOR ADDITIONAL

6 DUCT VOLUME DAMPERS



- THESE DETAILS ALLOW DUCTWORK TO BE PROVIDED BEFORE CEILING GRID IS INSTALLED THEN DIFFUSER/REGISTER CAN BE POSITIONED PROVIDE INSULATED TRANSITION ROUND TO SQUARE IF REQUIRED AT DIFFUSER. PROVIDE NYLON TY-WRAP TOOL OR REUSEABLE SS DRAW BAND PER SPECS. FLEX DUCT SHALL NOT HAVE MORE THAN 1/2" SAG PER FOOT.
- LENGTH OF FLEX DUCT SHALL NOT EXCEED 3'-0". PROVIDE DUCT MOUNTED VOLUME DAMPER WHENEVER POSSIBLE. TRY TO AVOID NECK

SUPPLY DIFFUSER CONNECTION

# ARCHITECTS

This drawing is the property of Tecton Architects | pc. The use, re-use or reproduction of this drawing for any purpose whatsoever without an expressed written agreement between Tecton Architects | pc and the user is prohibited. Rights to use the information on this sheet are not transferred until payment has been received for services rendered. Any rights so granted are non-transferable to other parties without the prior expressed written consent of Tecton Architects | pc

© 2024 Tecton Architects | pc

Client/ Contractor

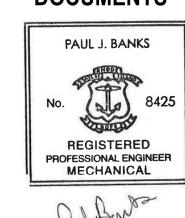
**UNIVERSITY OF RHODE ISLAND** 

KINGSTON, RI 02881

**FACILITIES GROUP SPACE EFFICIENCY** STUDY AND **RENOVATION** 

210 FLAGG ROAD KINGSTON, RHODE ISLAND

CONSTRUCTION **DOCUMENTS** 



No.	/ Revisions	Description
1	09/15/2023	CONSTRUCTION DOCUMEN
2	09/26/2024	CONSTRUCTION DOCUMEN

Drawing Title MECHANICAL SCHEDULES & **DETAILS** 

Project Manager:	JB	Project No:	URI7	2IN
Project Architect:	JB	Production Lea	der:	JB
Project Designer:	SH	Peer Reviewer:		РВ

Drawing Number

3. NOT ALL DEVICES DEPICTED ARE APPLICABLE TO PROJECT.

TYPICAL DEVICE MOUNTING HEIGHTS

5. COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL PLANS.

4. COORDINATE POWER POLE CONNECTIONS WITH FINAL FURNITURE LAYOUT.

		LIGHT FIXTURE S	SCHEDULE	
TYPE	DISCRIPTION	LAMP TYPE	VOLTAGE	MANUFACTURER
E	EXIT SIGN WITH DUEL HEAD INTERIOR WITH BATTERY BACKUP REMOTE CAPABLE	(2) 1W HEAD LED	277V	E-CONOLIGHT E-XCL2RRCW
R1	2X2 TROFFER	36W 40K	MVOLT	LITHONIA LIGHTING BLC-2X2-4000LM-80CRI-40K-ADSM-MIN10-ZT-MVOLT

1. CONFIRM FINAL SELECTION WITH ARCHITECT

BREAKER		CONDUCTORS-CONDUIT S	SIZE (*)
SIZE	1ø	3ø, 3W	3ø, 4W
15A	3#12— <sup>1</sup> ⁄2"	4#12-1/2"	5#12-½ <b>"</b>
20A	3#12- <sup>1</sup> ⁄2"	4#12-1/2"	5#12- <sup>1</sup> ⁄2"
25A	2#10, 1#12- <sup>3</sup> ⁄4"	3#10, 1#12- <sup>3</sup> 4"	4#10, 1#12- <sup>3</sup> ⁄4"
30A	3#10- <sup>3</sup> ⁄4"	4#10- <sup>3</sup> ⁄4"	5#10- <sup>3</sup> 4"
35A	3#8- <sup>3</sup> 4"	3#8, 1#10- <sup>3</sup> ⁄4"	4#8, 1#10- <sup>3</sup> 4"
40A	2#8, 1#10- <sup>3</sup> ⁄4"	3#8, 1#10- <sup>3</sup> ⁄ <sub>4</sub> "	4#8, 1#10- <sup>3</sup> ⁄ <sub>4</sub> "
45A	2#8, 1#10- <sup>3</sup> ⁄ <sub>4</sub> "	3#8, 1#10- <sup>3</sup> ⁄ <sub>4</sub> "	4#8, 1#10- <sup>3</sup> 4"
50A	2#6, 1#10-1"	3#6, 1#10-1"	4#6, 1#10-1"
60A	2#6, 1#10-1"	3#6, 1#10-1"	4#6, 1#10-1"
70A	2#4, 1#8-1"	3#4, 1#8-11/4"	4#4, 1#8-11/4"
80A	-	3#4, 1#8-11/4"	4#4, 1#8-11/4"
90A	-	3#3, 1#8-11/4"	4#3, 1#8-11/4"
100A	-	3#3, 1#8-11/4"	4#3, 1#8-11/4"
110A	-	3#2 <b>,</b> 1#6-1½"	4#2, 1#6-1½"
125A	-	3#1, 1#6-2"	4#1, 1#6-2"
150A	-	3#1/0, 1#6-2"	4#1/0, 1#6-2"
175A	-	3#2/0, 1#4-2"	4#2/0, 1#4-2"
200A	-	3#3/0, 1#2-2½"	4#3/0, 1#2-2½"
225A	_	3#4/0, 1#2-2½"	4#4/0, 1#2-2½"
250A		3#250kcmil, 1#2-3"	4#250kcmil, 1#2-3"
300A	_	3#350kcmil, 1#2−3½"	4#350kcmil, 1#2-3½"
350A	_	3#500kcmil, 1#1/0-4"	4#500kcmil, 1#1/0-4"
400A	_	3#600kcmil, 1#2/0-4"	4#600kcmil, 1#2/0-4"
500A	_	2(3#250kcmil, 1#2-3")	2(4#250kcmil, 1#2-3")

1. CONDUCTOR/CONDUIT SIZE SHALL CORRESPOND WITH ASSOCIATED BREAKER SIZE UNLESS OTHERWISE INDICATED ON ONE LINE DIAGRAM(S)

2. WHEN MORE THAN THREE CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A TRADE SIZE CONDUIT, CONDUCTOR AMPACITY RATING SHALL BE REDUCED TO THE PERCENTAGES LISTED IN N.E.C. ARTICLE 310-15, TABLE 8(A).

#### **GENERAL NOTES:**

1. CONFORM TO, THE NATIONAL ELECTRICAL CODE, OSHA AND THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.

2. GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION AND SUPPLEMENTARY GENERAL CONDITIONS APPLY TO THE ELECTRICAL WORK. EXAMINE THE SPECIFICATIONS AND DRAWINGS OF ALL DISCIPLINES PRIOR TO

3. DRAWINGS SHOW A LAYOUT OF ELECTRICAL SYSTEMS AND EQUIPMENT DIAGRAMMATICALLY. EXACT LOCATION OF EQUIPMENT AND ROUTING OF RACEWAYS SHALL BE DETERMINED BY FIELD CONDITIONS AND DIRECTION OF THE ENGINEER AND OWNER. BY SUBMITTING A BID. CONTRACTOR WARRANTS THAT A SITE VISIT HAS BEEN MADE. EXISTING CONDITIONS HAVE BEEN EXAMINED AND THAT THE CONTRACTOR UNDERSTANDS THE EXTENT OF LABOR MATERIAL SPECIFIED IS TO ESTABLISH THE REQUIRED QUALITY. ACCEPTANCE AND MATERIALS REQUIRED FOR PROJECT COMPLETION.

4. THE ELECTRICAL CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE, BUT NOT BE LIMITED TO ALL ELECTRICAL POWER, LIGHTING AND CONTROL REQUIREMENTS INDICATED.

5. PREPARE AND FILE DOCUMENTS, SECURE PERMITS AND PAY FEES FOR INSPECTIONS REQUIRED BY LOCAL AUTHORITIES HAVING JURISDICTION.

6. ELECTRICAL CONTRACTOR SHALL NOTIFY ENGINEER (ONE WEEK ADVANCE WRITTEN NOTICE) FOR ROUGH INSPECTION PRIOR TO CLOSING OF WALLS, CEILINGS AND EXCAVATION. PRIOR TO FINAL ACCEPTANCE, THE ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER AND OPEN PANELBOARDS. JUNCTION BOXES, HAND HOLES, CONTROL PANELS, ETC., AS NECESSARY FOR THHN/THWN INSULATION UNLESS OTHERWISE NOTED. #8 AWG AND LARGER THE INSPECTION OF EQUIPMENT, WIRING AND TERMINATIONS. ELECTRICAL CONTRACTOR SHALL PROVIDE LABOR AND TESTING EQUIPMENT TO DEMONSTRATE PROPER OPERATION OF ELECTRICAL SYSTEMS TO THE

7. GUARANTEE SYSTEMS FOR ONE YEAR STARTING FROM THE DATE OF FINAL WRITTEN ACCEPTANCE.

8. EQUIPMENT SHOP DRAWING SHALL BE SUBMITTED FOR ENGINEER

SATISFACTION OF THE ENGINEER.

9. PROVIDE THREE BOUND SETS OF OPERATING, MAINTENANCE AND TROUBLESHOOTING MANUALS, INCLUDING UPDATED COPIES OF ALL APPROVED SHOP DRAWINGS.

10. UNLESS OTHERWISE NOTED, THE ELECTRICAL WORK SHALL INCLUDE BUT IS NOT LIMITED TO FURNISH AND INSTALLING THE FOLLOWING: PANELBOARDS, CIRCUIT BREAKERS, FEEDERS, WIRING AND DEVICES, RACEWAYS, LIGHT FIXTURES (COMPLETE) AND CONNECTION NECESSARY TO OPERATE MOTORS AND OTHER EQUIPMENT. SPARE SLOTS IN EXISTING ELECTRICAL PANELS ARE TO BE UTALIZED AND LOADING CONFIRMED.

11. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL. INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE ELECTRICAL WORK COMPLETE AND READY FOR OPERATION.

12. THE ELECTRICAL CONTRACTOR SHALL USE CAUTION TO AVOID DAMAGE TO E. EXTERIOR BRANCH CIRCUITS SHALL BE INSTALLED IN SCHEDULE 40 PVC. EXISTING UTILITY LINES AND/OR HARM TO PERSONNEL ENGAGED IN WORKING CONDUIT. IN THESE AREAS.

13. WORK NOT INCLUDED: TEMPERATURE AND HVAC CONTROL WIRING.

14. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL CODE REQUIRED STARTERS AND DISCONNECTS WHICH ARE NOT FURNISHED BY THE HVAC OR PLUMBING CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE HVAC AND PLUMBING CONTRACTOR'S AND MANUFACTURER'S SHOP DRAWINGS FOR THE EXACT LOCATIONS AND ROUGHING IN DIMENSIONS OF ALL EQUIPMENT AND SHALL MAKE ALL FINAL POWER CONNECTIONS AS REQUIRED. I.E., POWER, CONTROL, INTERLOCK, ETC.

15. EQUIPMENT FURNISHED BY OTHERS, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR: MAGNETIC MOTOR STARTERS, OVERCURRENT PROTECTION

16. EQUIPMENT SHALL BE NEW. SPECIFICATION GRADE AND UL LABELED. OR REJECTION OF A PROPOSED EQUAL PRODUCT SHALL BE SUBJECT TO THE WRITTEN RESPONSE OF THE ENGINEER.

17. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE 98 PERCENT CONDUCTIVITY, COPPER, MINIMUM #12 AWG SIZE, THWN/THHN WITH DUAL RATED 75/90

DEGREE C INSULATION, 600 VOLTS RATED, UNLESS OTHERWISE NOTED. 18. PROVIDE INSULATED GREEN EQUIPMENT GROUNDING CONDUCTOR THROUGH OUT COMPLETE WITH BONDING, A GROUNDING CONDUCTOR SHALL BE

INCLUDED IN EACH RACEWAY OR CABLE, SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.

19. WRE, SIZES #12 AWG TO #10 AWG SHALL BE COPPER, 600 VOLT TYPE AND UNDERGROUND WIRING AND FEEDERS SHALL HAVE XHHN INSULATION. MINIMUM WIRE SIZE SHALL BE #12 AWG SOLID UNLESS OTHERWISE NOTED. CONNECTORS SHALL BE COLOR CODED TWIST-ON SPRING TYPE FOR WIRE SIZES #10 AWG AND SMALLER. SOLDERLESS MECHANICAL PRESSURE TYPE CONNECTORS SHALL BE USED FOR WIRE SIZES #8 AWG AND LARGER. ALL CABLE SHALL BE COLOR CODED PER MEC.

20. 120 VOLT, 20 AMPERE BRANCH CIRCUITS EXCEEDING 75 FEET AND 277 VOLT 20 AMPERE BRANCH CIRCUITS EXCEEDING 150 FEET FROM PANELBOARD TO THE FIRST OUTLET SHALL BE WIRED WITH #10 AWG WIRE THROUGHOUT.

21. WIRING METHODS:

A. INTERIOR BRANCH CIRCUITS IN PARTITIONS FOR LIGHTING AND RECEPTACLES SHALL BE STEEL METAL CLAD CABLE, TYPE MC.

B. INTERIOR BRANCH CIRCUITS ABOVE HUNG CEILINGS FOR LIGHTING AND RECEPTACLES SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING AND/OR METAL CLAD CABLE, TYPE MC.

C. INTERIOR FEEDERS SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING. EMPTY CONDUIT SYSTEMS SHALL HAVE A NYLON PULL CORD PROVIDED.

D. EQUIPMENT CONNECTIONS SUBJECT TO VIBRATION SHALL BE MADE WITH FLEXIBLE LIQUID TIGHT METAL CONDUIT AND EQUIPMENT GROUND.

F. ALL ELECTRICAL WORK SHALL BE RECESSED INTO WALLS OR RUN ABOVE THE HUNG CEILINGS WHERE POSSIBLE.

G. RIGID STEEL CONDUIT AND ELECTRICAL METALLIC TUBING SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE.

H. EXPOSED IN NON-FINISHED ROOMS; I.E. STORAGE ROOMS. MECHANICAL ROOMS, ETC. SHALL BE E.M.T. MINIMUM SIZE 1/2" CONDUIT UNLESS SUBJECT TO INJURY, THEN RIGID STEEL.

I. SET SCREW TYPE FITTINGS MAY BE USED ON CONDUITS OR FLEXIBLE METAL CONDUITS, WITCH ARE SIZED 2" INCH OR LESS.

J. WIRE AND CONDUIT SIZED INDICATED ON HOMERUNS SHALL BE. CONTINUOUS THROUGH CIRCUIT.

K. BACK-TO-BACK RECEPTACLES, SWITCHES, TELEPHONE OUTLETS, ETC., WILL NOT BE ACCEPTABLE.

L. MINIMUM CONDUIT OR TUBING SIZE SHALL BE 1/2 INCH.

M. FITTINGS FOR EMT SHALL BE SET SCREW TYPE.

N. EXPOSED RACEWAYS SUBJECT TO PHYSICAL DAMAGE SHALL BE RIGID GALVANIZED STEEL CONDUIT.

O. BOXES SHALL BE STEEL, 4 INCH SQUARE MINIMUM. EXTERIOR BOXES SHALL BE CAST TYPE WITH THREADED OPENINGS AND MOUNTING LUGS.

P. WRING PASSING THROUGH OR TERMINATING IN PENUM SPACES MUST BE PLENUM RATED. THIS SHALL INCLUDE ALL WIRING, FEEDERS AND COMMUNICATION / DATA WIRING.

20. PANELBOARDS AND DISTRIBUTION EQUIPMENT SHALL BE AS SCHEDULED ON THE CONTRACT DRAWINGS. CABINETS SHALL BE CODE GAUGE GALVANIZED STEEL. SURFACE MOUNTED PANELBOARDS SHALL BE PROVIDED WITH TYPEWRITTEN CIRCUIT DIRECTORY BEHIND A CLEAR ACETATE SHEET. CIRCUIT BREAKERS SHALL BE THE THERMAL MAGNETIC TYPE WITH BOLT-ON CONNECTIONS. EQUIPMENT SHALL BE MANUFACTURED BY GENERAL ELECTRIC, SQUARE D, SIEMANS OR APPROVED EQUAL.

21. NAMEPLATES SHALL BE PROVIDED FOR ALL PANELBOARDS AND REMOTE CONTROL DEVICES. NAMEPLATES SHALL BE ENGRAVED PLASTIC, WHITE WITH BLACK LETTERING.

22. GENERAL USE DEVICE PLATES SHALL BE SMOOTH NYLON. WALL PLATES IN UNFINISHED AREA SHALL BE STEEL. PLATES IN TOILET ROOMS SHALL BE STAINLESS STEEL.

23. LIGHT SWITCHES SHALL BE QUIET TOGGLE TYPE RATED 20 AMPERE @ 120/277 VOLT. SWITCHES SHALL BE MANUFACTURED BY HUBBELL, LEVITON OR APPROVED EQUAL. PROVIDE MULTI-GANG PLATES AND BOXES FOR SWITCHES SHOWN IN THE SAME GENERAL LOCATION.

24. DUPLEX RECEPTACLES SHALL BE RATED 20 AMPERE @ 125 VOLT, GROUNDING TYPE. MANUFACTURER SHALL BE HUBBELL, LEVITON OR APPROVED EQUAL.

25. FUSED AND NON-FUSED SAFETY SWITCHES SHALL BE ENCLOSED. HEAVY DUTY TYPE. SWITCHES SHALL BE RATED FOR THE EQUIPMENT SERVED AND CIRCUIT APPLICATION. EXTERIOR SWITCHES SHALL HAVE A NEMA 3R ENCLOSURE. SAFETY SWITCHES AND POWER DISTRIBUTION EQUIPMENT SHALL BE SUPPLIED BY A SINGLE MANUFACTURER.

26. FUSES SHALL BE DUAL ELEMENT, CURRENT LIMITING, TIME DELAY TYPE AS MANUFACTURED BY GOULD SHAWMUT.

27. COORDINATE WORK WITH ALL TRADES. OBTAIN AND REVIEW SHOP DRAWINGS OF EQUIPMENT REQUIRING ELECTRICAL SERVICE PRIOR TO PURCHASING ELECTRICAL APPARATUS FOR SAME. NOTIFY ENGINEER OF ANY

**DESIGN INTENT:** 

BASIS OF DESIGN:

OFFICE IN AN EXISTING SPACE.

BUT ARE NOT LIMITED TO, THE FOLLOWING:

NATIONAL ELECTRICAL CODE 2020 NFPA 70

INTERNATIONAL ENERGY CONSERVATION CODE

RHODE ISLAND ELECTRICAL CODE

INTERNATIONAL BUILDING CODE

NFPA 101 LIFE SAFETY CODE

THE DESIGN INTENT FOR THIS PROJECT IS TO PROVIDE OCCUPANT WITH

FIRE ALARM SYSTEM AND EQUIPMENT CONNECTIONS FOR A RENOVATED

ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL APPLICABLE

STATE CODES. SPECIFICATIONS, LOCAL AND STATE ORDINANCES, INDUSTRY

STANDARDS AND UTILITY COMPANY REGULATIONS. STATE CODES INCLUDE,

INTERNATIONAL ENERGY CONSERVATION IECC - MANDATED LIGHTING LEVELS

ALL SPECIFIED LIGHTING LEVELS SHALL BE COMPLIANT WITH THE

ENERGY EFFICIENT CODE COMPLIANT LIGHTING, MAINTENANCE RECEPTACLES,

ELECTRICAL CONTRACTOR SHALL COORDINATE SCHEDULE AND WORK WITH OWNER TO AVOID LOSS OF PRODUCTION TIME. OVERTIME AND OFF-HOUR WORK SHALL BE USED ONLY AT THE OWNER'S DISCRETION.

29. CUTTING, PATCHING AND CORE DRILLING FOR CABLES THAT PASS THROUGH FIRE RATED CONSTRUCTION SHALL BE PART OF THIS SPECIFICATION. FIRE BARRIER SEALING SYSTEM SHALL BE PROVIDED.

30. LIGHT FIXTURES. PULL BOXES AND RACEWAYS SHALL BE INDIVIDUALLY SUPPORTED FROM A STRUCTURAL BUILDING MEMBER. PROVIDE SUPPLEMENTARY STEEL CHANNEL WHERE REQUIRED.

31. WRING SHALL BE CONCEALED IN FINISHED AREAS. FEEDERS SHALL BE ROUTED HIGH. BELOW THE UNDERSIDE OF STRUCTURE ABOVE. PARALLEL AND PERPENDICULAR TO THE BUILDING STEEL. CONDUIT SHALL BE SUPPORTED USING ZINC COATED STEEL STRAPS, BEAM CLAMPS AND PIPE HANGERS. WALL BRACKETS AND STEEL CHANNEL SUPPORTS SHALL BE FASTENED TO WOOD BY WOOD SCREWS, TOGGLE BOLTS IN MASONRY, POWER DRIVEN STUDS ON CONCRETE AND SELF DRILL SCREWS ON METAL SURFACES.

32. ALL SYSTEMS IN SCOPE SHALL BE TESTED FOR SHORT CIRCUITS AND PROPER GROUND PRIOR TO ENERGIZING. ALL DEFECTS SHALL BE

**LEGEND** 

JUNCTION BOX NON-FUSIBLE DISCONNECT SWITCH (M.H.=4'-0" AFF TO \( \mathcal{L} \) XXAS - DENOTES SWITCH RATING.

FLUSH MOUNTED PANELBOARD 120/208 VOLT

SURFACE MOUNTED PANELBOARD 120/208 VOLT FLUSH MOUNTED PANELBOARD 277/480 VOLT

SURFACE MOUNTED PANELBOARD 277/480 VOLT

DUPLEX RECEPTACLE 125 VOLT, 2 POLE, 3 WIRE, 20 AMP (M.H.=1'-6" AFF TO Q). C — DENOTES COUNTER HEIGHT MOUNTED (M.H.=6" ABOVE COUNTER, MAXIMUM 3'-6" AFF) COORDINATE WITH ARCHITECT

DOUBLE DUPLEX RECEPTACLE 125 VOLT, 2 POLE, 3 WIRE, 20 AMP.  $(M.H.=1'-6" AFF TO \emptyset)$ 

DOUBLE DUPLEX RECEPTACLE 125 VOLT, 2 POLE, 3 WIRE, 20 AMP WITH GROUND FAULT INTERRUPTER

DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER  $(M.H.=1'-6" AFF TO <math>\emptyset$ ). WP - DENOTES WEATHERPROOF C - DENOTES COUNTER HEIGHT MOUNTED (M.H.=6" ABOVE COUNTER, MAXIMUM 3'-6" AFF)

▼ VOICE & DATA COMMUNICATION OUTLET FLUSH MOUNTED TO WALL, FLOOR OR CEILING. ALL POINTS WILL BE LABELED ON FACEPLATE AND TAGGED AT ORIGIN. EACH SYMBOL REPRESENTS TWO POINTS.

3/4" FIRE RETARDANT PLYWOOD BACKBOARD

COORDINATE WITH ARCHITECT

DRY TYPE TRANSFORMER - NUMERAL DENOTES RATING

METER SOCKET

WALL MOUNTED VACANCY SENSOR (M.H.=4'-0" AFF TO HIGHEST OPERABLE PART OF DEVICE) DIM DENOTES

CEILING MOUNTED OCCUPANCY SENSOR

EXIT SIGN E- DENOTES FIXTURE TYPE, X - DENOTES CIRCUIT NO. REFER TO DRAWINGS FOR QUANTITY.

LIGHT FIXTURE CONNECTED TO EMERGENCY AND/OR NIGHT LIGHT CIRCUIT.

2X2IGHT FIXTURE RECESSED, SURFACE / PENDANT MOUNT FX - DENOTES FIXTURE TYPE, X - DENOTES CIRCUIT NUMBER EX y y - DENOTES SWITCH CONTROL. REFER TO FIXTURE SCHEDULE ÉX — DENOTES EXISTING

FIRE ALARM

ADDRESSABLE FIRE ALARM CONTROL PANEL, MOUNT 6'-0" ABOVE

FINISHED FLOOR TO TOP OF CABINET. FIRE DEPARTMENT KEY LOCK BOX (KNOX BOX), FLUSH WALL MOUNT (M.H.=4'-0" AFF TO HIGHEST OPERABLE PART OF DEVICE)

FINAL KNOX BOX LOCATION BY LOCAL AUTHORITY ADDRESSABLE MANUAL PULL STATION, DUAL ACTION

(M.H.=4'-0" AFF TO HIGHEST OPERABLE PART OF DEVICE) HORN STROBE LIGHT UNIT, V-DENOTES VISUAL ONLY (M.H.=6'-8" AFF OR 6" BELOW CEILING WHICHEVER IS LOWER)

STROBE LIGHTS SHALL BE SYNCRONIZED, CD RATING SHALL BE PER NFPA 72

HORN STROBE LIGHT UNIT. MOUNTED TO BOTTOM OF JOIST

ADDRESSABLE SMOKE DETECTOR, PHOTOELECTRIC TYPE (30' X 30' SPACINGS NFPA 72)

CARBON MONOXIDE DETECTOR SYSTEM SPECIFIED ON MECHANICAL DRAWINGS INDICATED ON PLANS FOR CLARIFICATION.

ADDRESSABLE PHOTO ELECTRIC DUCT SMOKE DETECTOR WITH SAMPLING TUBE FURNISHED AND WIRED BY E.C., INSTALLED BY HVAC CONTRACTOR ON SUPPLY SIDE OF UNIT.

REMOTE FIRE ALARM INDICATOR AND TEST STATION (M.H.=6" ABOVE TYPICAL DOOR FRAME OR PARALLEL ON WALL) ARCHITECTS

This drawing is the property of Tecton Architects | pc. The use, re-use or reproduction of this drawing for any purpose whatsoever without an expressed written agreement between Tecton Architects Loc and the user is prohibited Rights to use the information on this sheet are not transferred until payment has been received for services rendered. Any rights so granted are non-transferable to other parties without the prior expressed written consent

of Tecton Architects | pc © 2024 Tecton Architects | pc

Client/ Contractor

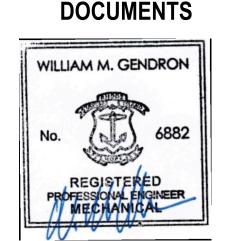
**UNIVERSITY OF** RHODE ISLAND

KINGSTON, RI. 02881

210 FLAGG FACILITIES **GROUP SPACE EFFICIENCY STUDY &** RENOVATION

210 FLAGG ROAD KINGSTON, RHODE ISLAND OCP PROJECT ID#: KC.G.210F.2022.001

CONSTRUCTION



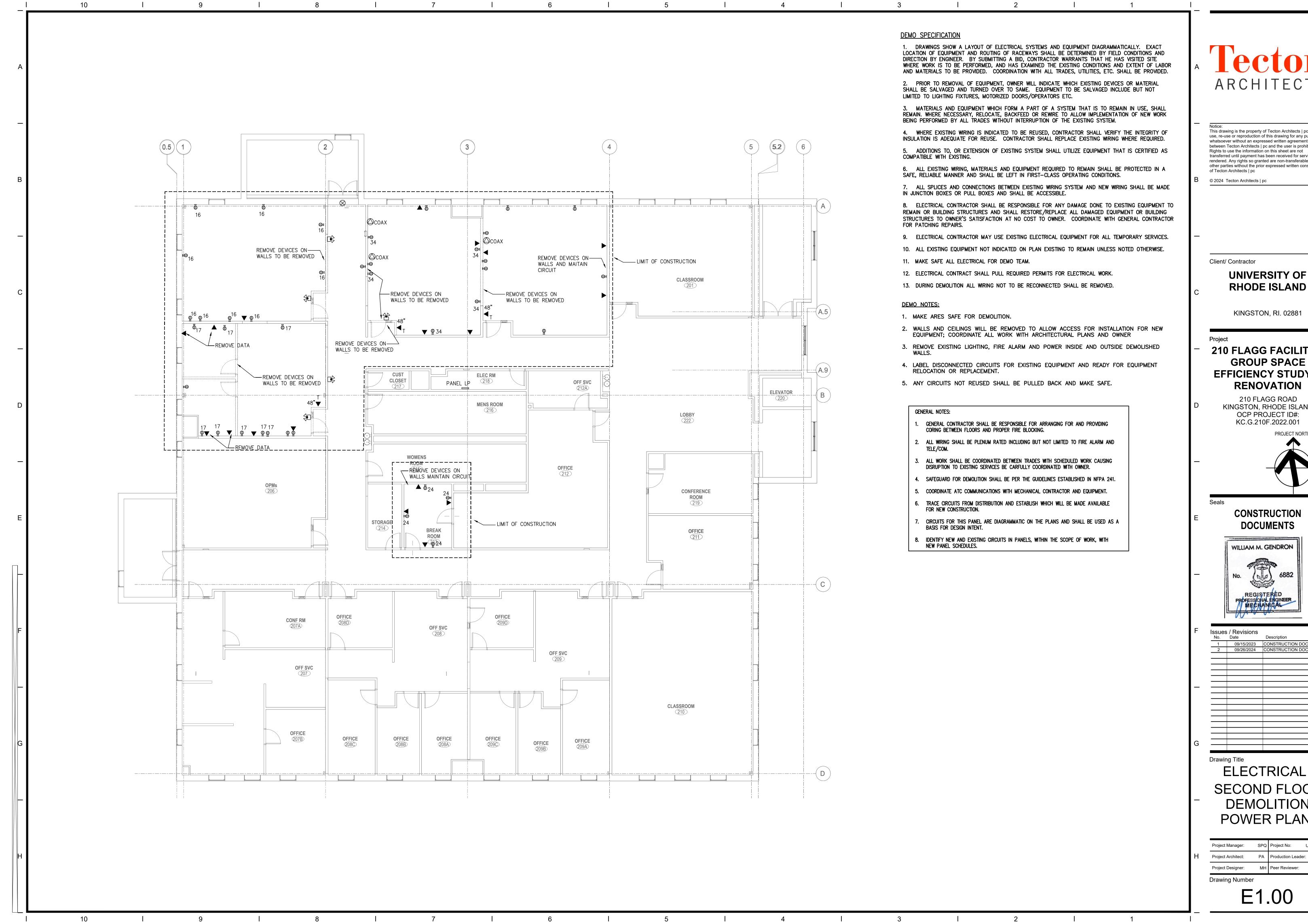
Issues / Revisions

1 09/15/2023 CONSTRUCTION DOCUMENTS Drawing Title

ELECTRICAL **SPECIFICATION** AND DETAILS

Project Manager: Production Leader: SPQ Project Architect: Project Designer: MH Peer Reviewer:

**Drawing Number** 



This drawing is the property of Tecton Architects | pc. The use, re-use or reproduction of this drawing for any purpose whatsoever without an expressed written agreement between Tecton Architects | pc and the user is prohibited. Rights to use the information on this sheet are not transferred until payment has been received for services rendered. Any rights so granted are non-transferable to other parties without the prior expressed written consent

#### **UNIVERSITY OF** RHODE ISLAND

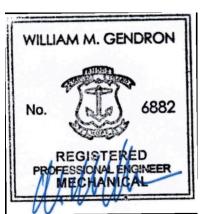
KINGSTON, RI. 02881

#### 210 FLAGG FACILITIES **GROUP SPACE EFFICIENCY STUDY &** RENOVATION

210 FLAGG ROAD KINGSTON, RHODE ISLAND OCP PROJECT ID#:



#### CONSTRUCTION **DOCUMENTS**

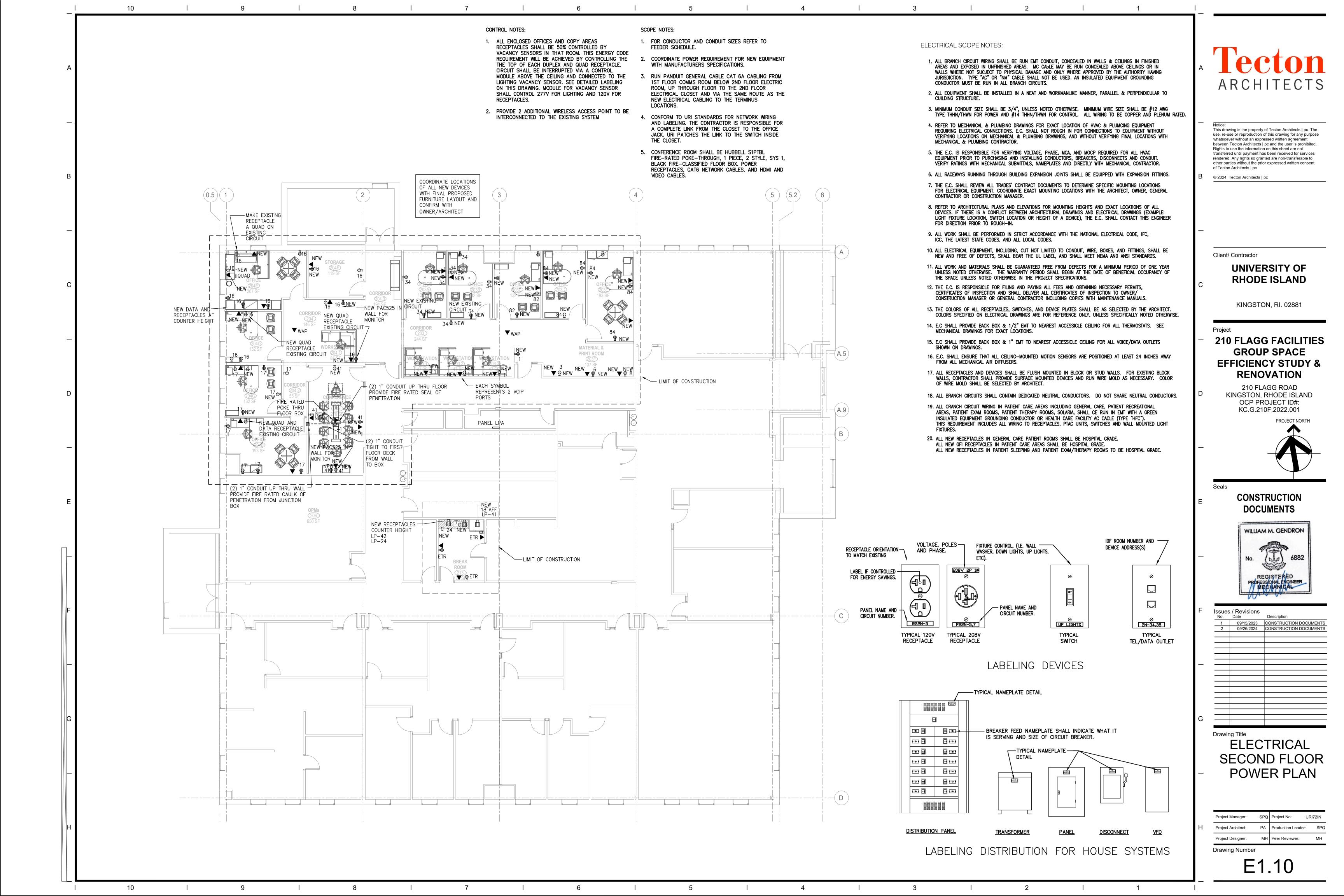


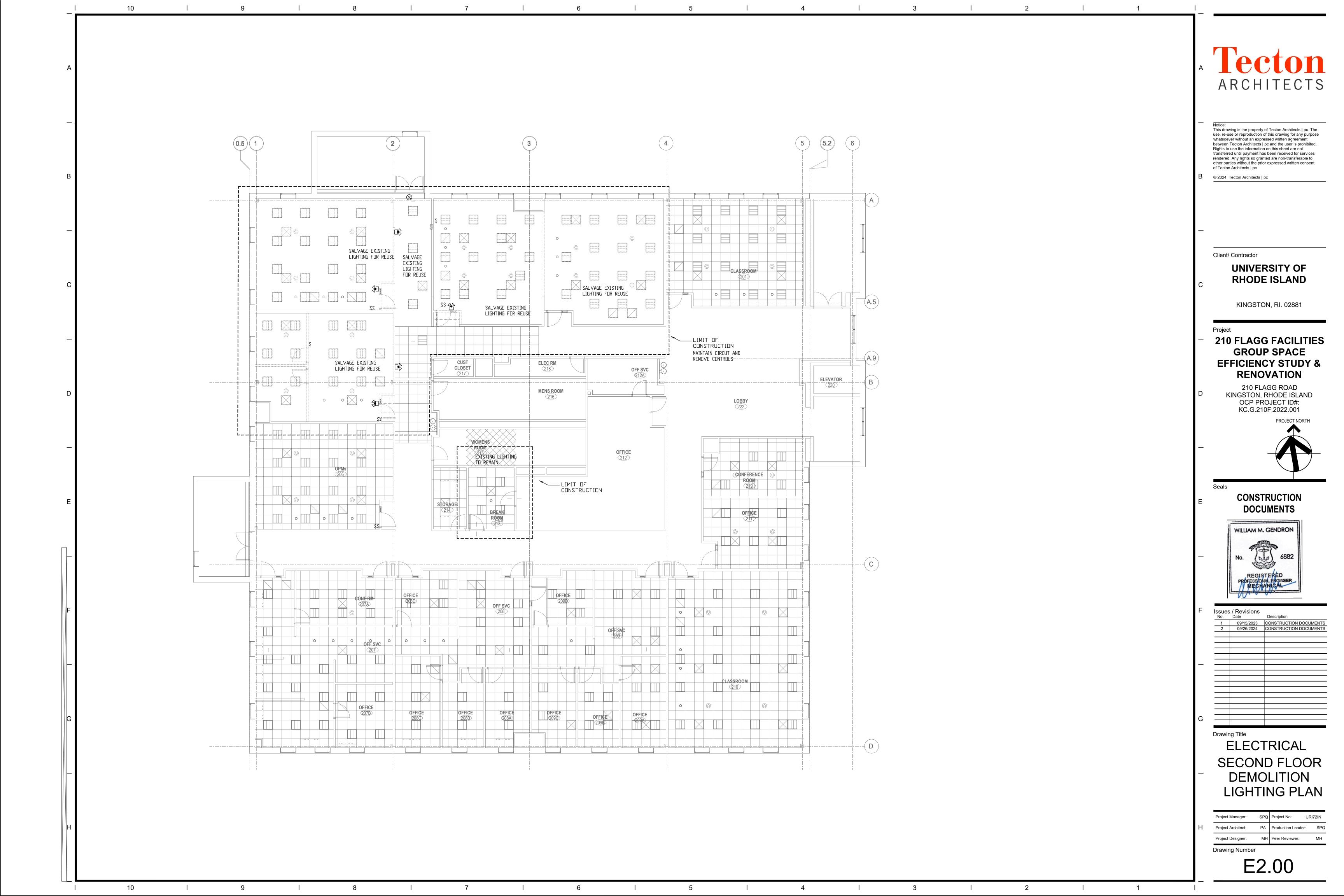
INO.	Date	Description
1	09/15/2023	CONSTRUCTION DOCUMENTS
2	09/26/2024	CONSTRUCTION DOCUMENTS
)rawi	ng Title	
лат	ng me	
		TRICAL
		IDICAL

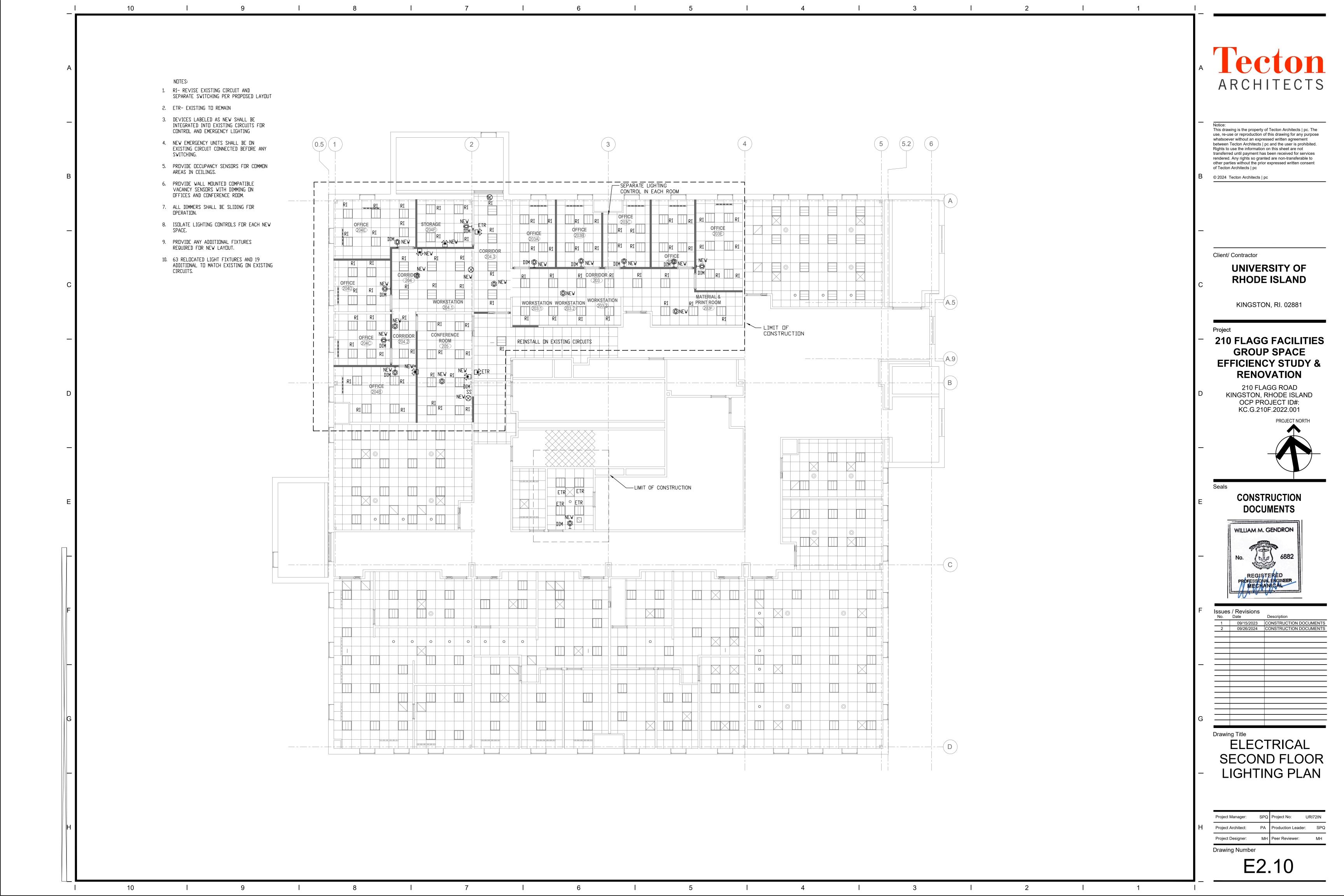
### SECOND FLOOR DEMOLITION **POWER PLAN**

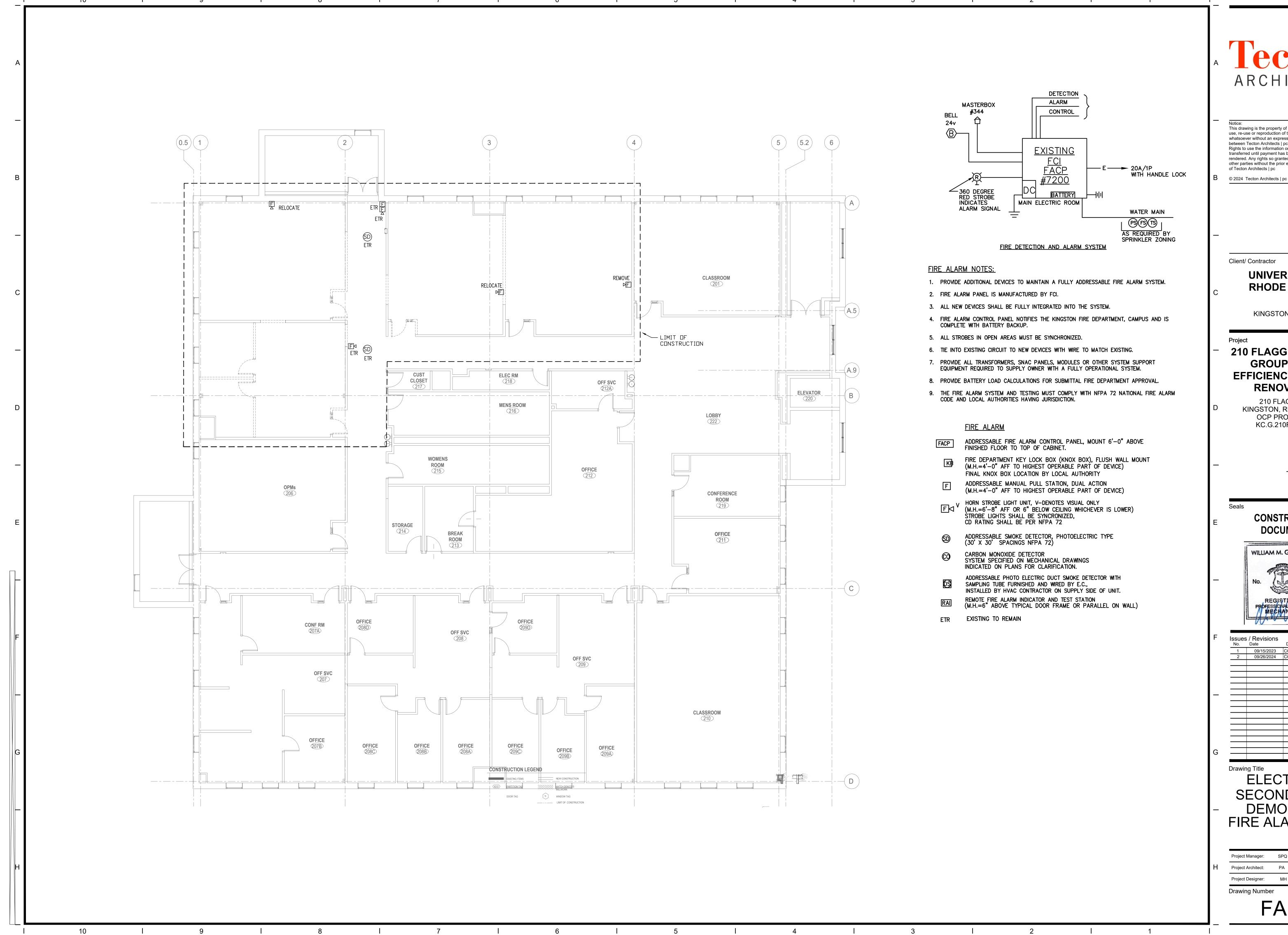
MH Peer Reviewer: **Drawing Number** 

E1.00









This drawing is the property of Tecton Architects | pc. The use, re-use or reproduction of this drawing for any purpose whatsoever without an expressed written agreement between Tecton Architects | pc and the user is prohibited. Rights to use the information on this sheet are not transferred until payment has been received for services rendered. Any rights so granted are non-transferable to other parties without the prior expressed written consent

#### **UNIVERSITY OF RHODE ISLAND**

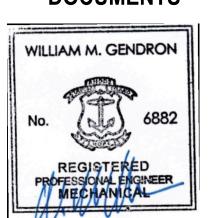
KINGSTON, RI. 02881

#### 210 FLAGG FACILITIES **GROUP SPACE EFFICIENCY STUDY & RENOVATION**

210 FLAGG ROAD KINGSTON, RHODE ISLAND OCP PROJECT ID#:

KC.G.210F.2022.001

#### CONSTRUCTION **DOCUMENTS**



No.	B / Revisions Date	Description
1	09/15/2023	CONSTRUCTION DOCUMENTS
2	09/26/2024	CONSTRUCTION DOCUMENTS
rawir	ng Title	

ELECTRICAL SECOND FLOOR DEMOLITION FIRE ALARM PLAN

Project Manager:	SPQ	Project No:	URI72IN
Project Architect:	PA	Production Leade	r: SPQ
Project Designer:	МН	Peer Reviewer:	МН
Drawing Number			

FA1.00

