

PLAN HATCHING	DESIGN CRITERIA
	- SYSTEM TYPE - PREACTION
	- HAZARD CLASSIFICATION - LIGHT
	- DESIGN DENSITY - 0.10 GPM/SQ.FT.
	- SYSTEM AREA OF OPERATION - 1500 SQ. FT.
	- MAX. COVERAGE PER SPRINKLER - 225 SQ. FT.

NOTE: SYSTEM AREA OF OPERATION SHALL BE INCREASED FOR SLOPED CEILING PER NFPA 13 11.2.3.2.4 AND FOR DRY PIPE SYSTEM PER NFPA 13 11.2.3.2.5, AS APPLICABLE.

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consultants

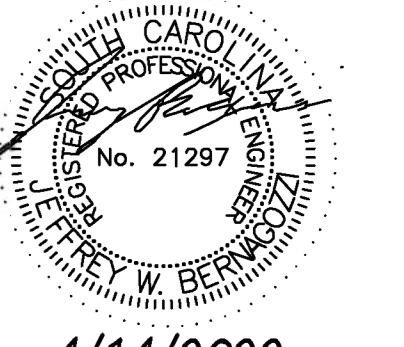
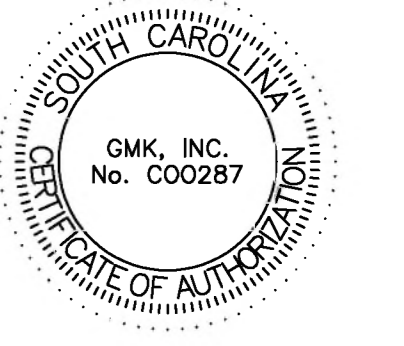


THE SOUTH CAROLINA DEPARTMENT OF ADMINISTRATION
State Project #D50-6037-PD

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COLUMBIA MILLS ROOF REPLACEMENT & ATRIUM ROOF/WINDOW REPLACEMENT

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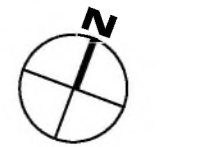
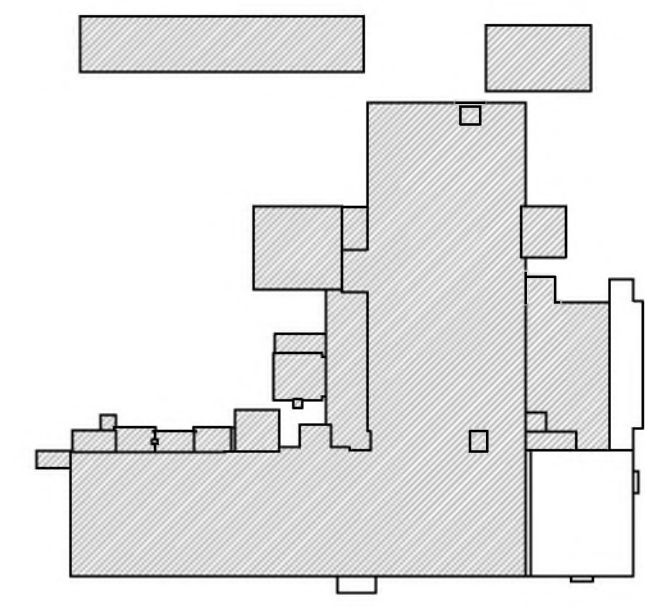
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key plan



sheet title
FIRE PROTECTION SECOND FLOOR PLAN

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FP1.2

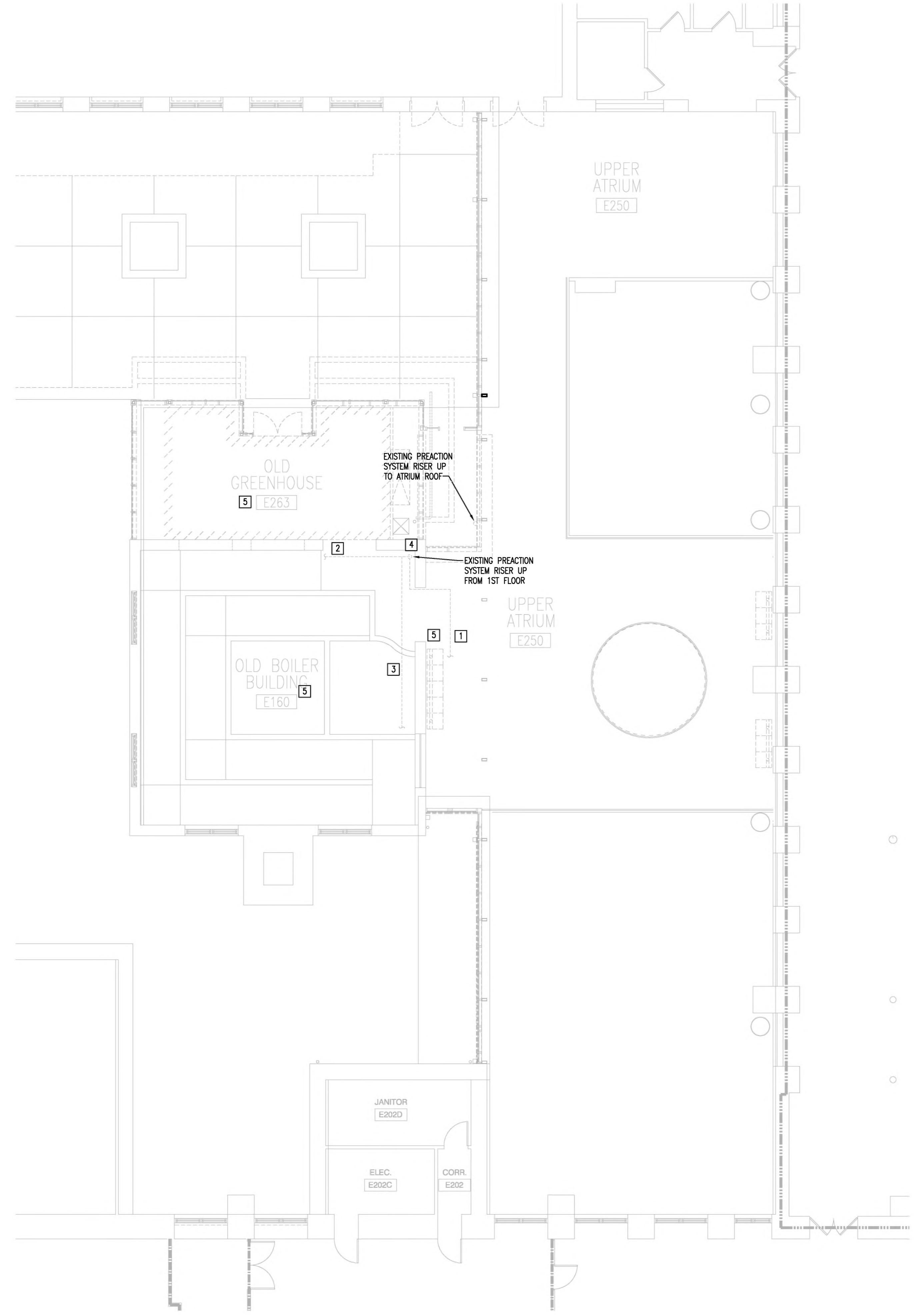
drawn by **JDK**
checked by **JWB**

- DEMOLITION KEYNOTES:**
- 1 DEMOLISH EXISTING PREACTION SYSTEM PIPING SUPPLYING PENDENT SPRINKLERS AT LOW CEILING TO EXISTING RISER COMPLETE, INCLUDING ARM-OVERS, DROPS, SPRINKLERS, AND SUPPORTS.
 - 2 DEMOLISH EXISTING PREACTION SYSTEM PIPING SUPPLYING SIDEMALL SPRINKLERS IN GREENHOUSE TO EXISTING RISER COMPLETE, INCLUDING ARM-OVERS, SPRINKLERS, AND SUPPORTS.
 - 3 DEMOLISH EXISTING PREACTION SYSTEM PIPING SUPPLYING UPRIGHT SPRINKLERS AT BOILER BUILDING ROOF TO EXISTING RISER COMPLETE, INCLUDING SPRINKLERS, AND SUPPORTS.
 - 4 DEMOLISH EXISTING RISER TO BELOW FLOOR AND CAP AT CONNECTION TO THE EXISTING 3" MAIN.
 - 5 DEMOLISH EXISTING HEAT DETECTORS, CONDUIT, AND WIRING BACK TO THE ZONE 4 PREACTION SYSTEM RISER AND PANEL.

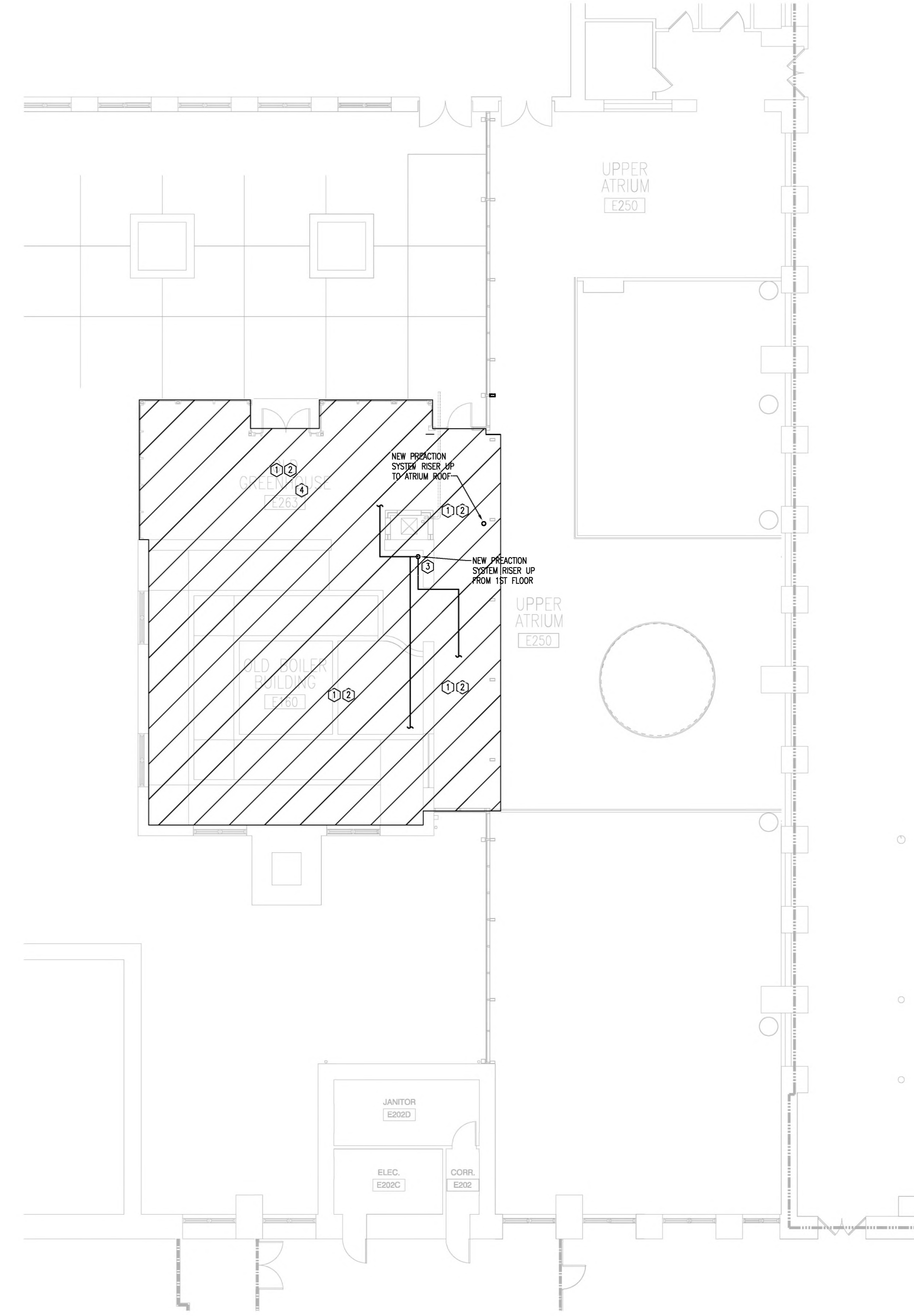
DEMOLITION AND RENOVATION PLAN LEGEND

DEMO PIPING	
EXISTING PIPING	
NEW PIPING	
AREA OF DEMOLITION	
PIPING DOWN	c
PIPING UP	o
PIPING CONTINUES	s

- RENOVATION KEYNOTES:**
- 1 PROVIDE AND INSTALL LIGHT HAZARD SPRINKLER PROTECTION AS REQUIRED AND CONNECT TO THE NEW RISER. SPRINKLERS SHALL BE INSTALLED NO MORE THAN 12" BELOW THE ROOF DECK IN AREAS WITHOUT CEILINGS.
 - 2 PROVIDE AND INSTALL FIXED TEMPERATURE HEAT DETECTORS FOR PREACTION SYSTEM ACTIVATION WITH OPERATION TEMPERATURES LESS THAN THAT OF THE SPRINKLERS INSTALLED IN THE SAME AREA. DETECTORS SHALL BE LOCATED TO NOT EXCEED THERE LISTED SPACING. SELECT HEAT DETECTORS THAT ARE COMPATIBLE WITH THE EXISTING PREACTION SYSTEM COMPONENTS. COORDINATE SYSTEM INTERCONNECTION WITH WITH FIRE ALARM CONTRACTOR.
 - 3 EXTEND NEW RISER UP FROM CONNECTION TO EXISTING PREACTION SYSTEM MAIN ON FIRST FLOOR.
 - 4 INSTALL NEW PREACTION SYSTEM PIPING AS HIGH AS POSSIBLE AND ROUTE THROUGH NEW BEAMS. COORDINATE WITH STRUCTURAL ENGINEER AND ARCHITECT. STRUCTURAL SHALL BE RESPONSIBLE FOR PROVIDING PENETRATIONS IN NEW BEAMS FOR NEW PIPING.



1 FIRE PROTECTION SECOND FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



2 FIRE PROTECTION SECOND FLOOR RENOVATION PLAN
SCALE: 1/8" = 1'-0"