

FIRE PROTECTION NOTES:

1. THE CONTRACT DRAWINGS ARE THE 'PRELIMINARY PLANS' DEFINED IN NFPA 13, A 22.1 TO OBTAIN A BUILDING PERMIT AND ARE ALSO USED TO DEFINE THE INTENT OF THE CONTRACT TO PROVIDE THE DESIGN, COORDINATION, INSTALLATION AND TESTING OF COMPLETE FIRE PROTECTION SYSTEMS IN COMPLIANCE WITH THE REFERENCED STANDARDS AND APPLICABLE CODES. THE DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE SPECIFIED REQUIREMENTS AND REFERENCED CODES AND STANDARDS TO PROVIDE COMPLETE, FULLY FUNCTIONAL, AND CODE COMPLIANT SYSTEMS.
2. ALL WORK SHALL BE IN ACCORDANCE WITH SPECIFICATIONS, 2015 INTERNATIONAL BUILDING CODE - NJ EDITION, 2015 INTERNATIONAL FIRE CODE, NJ REHABILITATION SUBCODE, NFPA 13, AUTHORITY HAVING JURISDICTION AND THE OWNER'S INSURANCE REQUIREMENTS.
3. THE CONTRACT DRAWINGS ARE DIAGRAMMATIC AND DO NOT INDICATE EVERY FITTING, COMPONENT AND SPRINKLER REQUIRED BY NFPA 13 FOR FINAL INSTALLATION CONDITIONS BUT INDICATE MINIMUM SYSTEM REQUIREMENTS FOR PRELIMINARY APPROVALS AND PERMITS FROM THE AUTHORITIES HAVING JURISDICTION. COMPLETE CONSTRUCTION COORDINATION SHALL BE PERFORMED BY THE CONTRACTOR WITH ALL OTHER TRADES MAY REQUIRE ADDITIONAL SPRINKLERS UNDER THIS CONTRACT.
4. THE SPRINKLER SYSTEM SHALL BE HYDRAULICALLY CALCULATED AND DESIGNED BY CONTRACTOR, AND SHALL CONTAIN THE STAMP AND SIGNATURE OF A NEW JERSEY STATE LICENSED PROFESSIONAL ENGINEER. ALLOW FOR A MINIMUM OF 10 PSIG DESIGN SAFETY FACTOR FOR FUTURE PIPING MODIFICATIONS AND TO ACCOUNT FOR FLUCTUATIONS IN MUNICIPAL WATER SYSTEM PRESSURE.
5. HYDRANT TEST DATA: CONTRACTOR SHALL PERFORM A FIRE FLOW TEST, PER APPLICABLE CODES AND REQUIREMENTS, PRIOR TO HYDRAULICALLY CALCULATING AND SIZING THE FIRE SPRINKLER SYSTEM.
6. MOST RECENT KNOWN FLOW DATA: 120 PSI STATIC PRESSURE, 65 PSI RESIDUAL PRESSURE, 1,950 GPM WATER FLOW, DATE OF TEST 11/06/2014.
7. PROVIDE AUXILIARY DRAINS AT ALL LOW POINTS FOR COMPLETELY DRAINING THE SYSTEM.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AS-BUILT SPRINKLER PIPING DRAWINGS OF NEW FIRE PROTECTION SYSTEM TO SHOW LOCATION AND ELEVATION OF PIPING, SPRINKLER HEADS, POINTS OF SYSTEM DRAINAGE AND INSPECTOR'S TEST.
9. PIPING TO BE INSTALLED AND COORDINATED WITH ALL OTHER TRADES' WORK.
10. DRAWINGS SHALL BE APPROVED BY OWNER'S INSURANCE AUTHORITY AND AUTHORITY HAVING JURISDICTION PRIOR TO ANY FABRICATION OR INSTALLATION TAKING PLACE.
11. PROVIDE TEMPORARY FIRE PROTECTION AND FIRE WATCH, WHEN NECESSARY AND AS REQUIRED BY CODE, DURING CONSTRUCTION. REFER TO SPECIFICATIONS FOR FIRE WATCH REQUIREMENTS.
12. CONTRACTOR TO OBTAIN ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL WALLS AND PARTITIONS AND CEILING.
13. LOCATION OF SPRINKLERS IN CEILING TILES:
 - A. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND ROOM FINISH SCHEDULES FOR CEILING TILE TYPES.
 - B. IN STANDARD 2 BY 2 CEILING TILES, LOCATE SPRINKLERS IN THE CENTER OF TILES.
 - C. IN STANDARD 2 BY 4 CEILING TILES WHICH SIMULATE 2 BY 2 CEILING TILES, LOCATE SPRINKLERS IN THE CENTER OF THE 2 BY 2 AREA.
14. IDENTIFICATION AND/OR ABATEMENT OF HAZARDOUS MATERIALS IS NOT PART OF THIS SCOPE OF WORK. IF ASBESTOS OR OTHER HAZARDOUS MATERIALS ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY.
15. REFER TO SPECIFICATIONS FOR RECYCLING, CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL REQUIREMENTS.
16. OPENINGS IN THE EXISTING STRUCTURE SMALLER THAN 12" IN ANY DIRECTION ARE NOT IDENTIFIED ON THESE DRAWINGS. SUBCONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING OPENINGS SMALLER THAN 12" AS REQUIRED FOR INSTALLATION OF THEIR WORK.
17. OPENINGS IN THE EXISTING STRUCTURE SHALL NOT BE MADE WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.
18. DO NOT REMOVE ITEMS WHICH JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDING. IF HIDDEN ELEMENTS OR DETERIORATED ELEMENTS ARE ENCOUNTERED, NOTIFY THE ARCHITECT IMMEDIATELY.
19. PROTECT ADJACENT AREAS AND ITEMS TO REMAIN DURING DEMOLITION/CONSTRUCTION. REPAIR/REPLACE ITEMS DAMAGED DURING CONSTRUCTION.
20. IF UNANTICIPATED HIDDEN ELEMENTS OR DETERIORATED ELEMENTS ARE ENCOUNTERED, NOTIFY THE OWNERS REPRESENTATIVE IMMEDIATELY. REFER TO CONSULTANT DRAWINGS FOR ADDITIONAL DEMOLITION WORK.
21. REVIEW W/ OWNER TO DETERMINE WHAT, IF ANYTHING, WILL BE REMOVED BY OWNER AND WHAT, IF ANYTHING, IS TO BE SALVAGED & TURNED OVER TO OWNER.
22. SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE LOCAL FIRE MARSHAL CONCERNING FIRE SPRINKLER SYSTEM SHUTDOWN PLANS, PROCEDURES, AND FIRE WATCH PLANS THAT WILL BE IMPLEMENTED FOR SYSTEM INTERRUPTIONS DURING CONSTRUCTION.

SPRINKLER APPLICATION SCHEDULE						
LOCATION	HAZARD CLASSIFICATION	DESIGN DENSITY	SPRINKLER K-FACTOR	AREA OF SPRINKLER OPERATION	SPRINKLER TYPE	RESPONSE CLASSIFICATION
DINING AREAS	LIGHT HAZARD	0.1 gpm/s.f.	5.6	1,500 S.F.	CONCEALED PENDENT OR EXPOSED UPRIGHT	QUICK RESPONSE, ORDINARY TEMP
SERVING / COOKING AREAS	ORDINARY HAZARD (GROUP 1)	0.15 gpm/s.f.	5.6	1,500 S.F.	CONCEALED PENDENT OR EXPOSED UPRIGHT	QUICK RESPONSE, ORDINARY TEMP OR HIGH TEMP
NOTE:						

SEALED:



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REVISIONS

DRAWN BY: DAS
 CHECKED BY: PP

FIRE PROTECTION - CODES & GENERAL NOTES

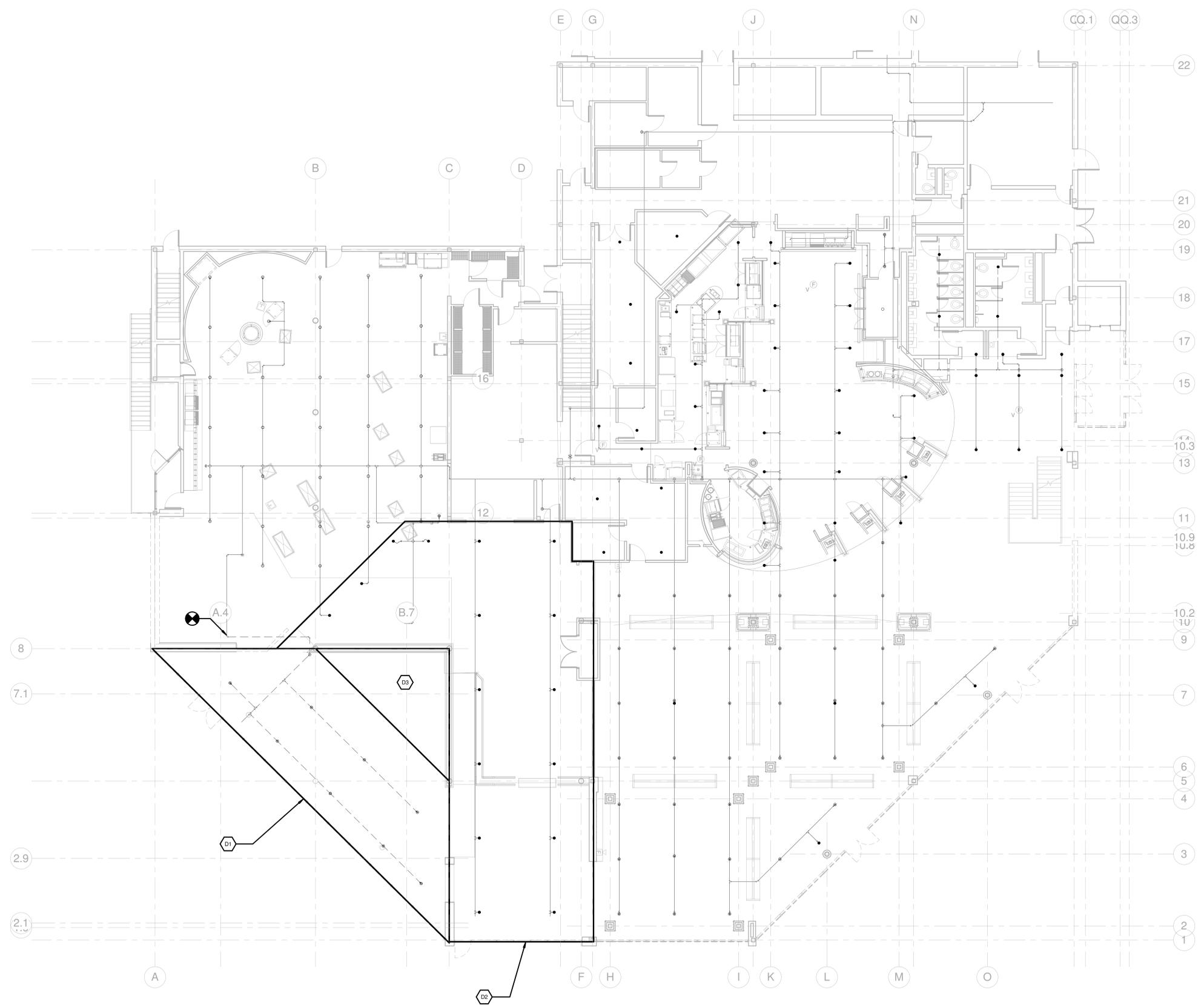


ISSUED: 3.24.2016

DESCRIPTION: BID DOCUMENTS

SHEET: FP-001

RCNJ No. 201437-01/C
 ALTERATIONS
 505 RAMAPO VALLEY RD.
 MAHWAH, NJ 07430
 18031.00



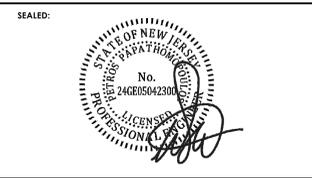
DEMOLITION

KEYED NOTES

- D1.** REMOVE ALL EXISTING SPRINKLERS AND PIPING IN THIS AREA.
- D2.** REMOVE ALL SPRINKLER HEADS AND DROPS IN THIS AREA. BRANCH PIPING AND MAINS TO BE REUSED.
- D3.** HIGH CEILING AREA, REMOVE EXISTING SPRINKLERS.

LEGEND

- PIPING TO BE REMOVED
- EXISTING PIPING TO REMAIN
- PENDANT SPRINKLER TO BE REMOVED
- EXISTING PENDANT SPRINKLER TO REMAIN
- UPRIGHT SPRINKLER TO BE REMOVED
- EXISTING UPRIGHT SPRINKLER TO REMAIN



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FIRE PROTECTION DEMOLITION - FIRST FLOOR

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RAMAPO COLLEGE OF NEW JERSEY



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FPD-100

1 PHASE 2 - FIRE PROTECTION DEMOLITION - FIRST FLOOR
 1/8" = 1'-0"

DEMOLITION

KEYED NOTES

D1 REMOVE ALL EXISTING SPRINKLER BRANCH PIPING IN THIS AREA.

LEGEND

- PIPING TO BE REMOVED
- EXISTING PIPING TO REMAIN
- PENDANT SPRINKLER TO BE REMOVED
- EXISTING PENDANT SPRINKLER TO REMAIN
- ⊙ UPRIGHT SPRINKLER TO BE REMOVED
- ⊙ EXISTING UPRIGHT SPRINKLER TO REMAIN
- PIPE CAP
- ⊥ PIPE BOTTOM CONNECTION
- ⊥ PIPE DROP
- PIPE RISE
- ⊥ PIPE FITTING - ELBOW
- ⊥ PIPE FITTING - TEE
- ⊥ PIPE FITTING - CROSS
- ⊗ POINT OF CONNECTION / DISCONNECTION

SEALED:



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FIRE PROTECTION DEMOLITION - PHASE 2 INTERIOR



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FPD-110

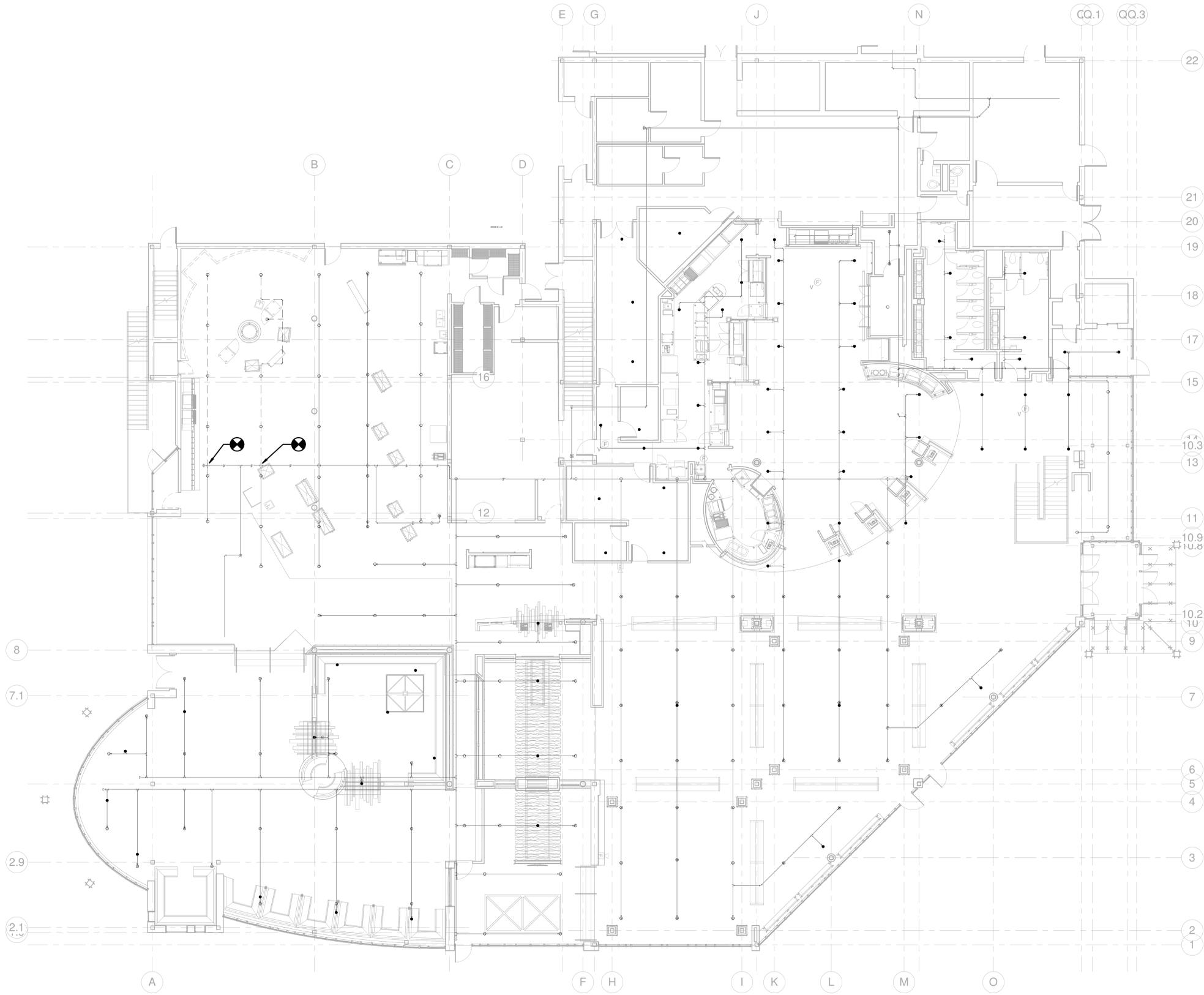
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**RAMAPO COLLEGE
OF NEW JERSEY**



1 PHASE 2 INTERIOR - FIRE PROTECTION DEMOLITIONS - FIRST FLOOR
1/8" = 1'-0"





DEMOLITION

LEGEND

- PIPING TO BE REMOVED
- EXISTING PIPING TO REMAIN
- PENDANT SPRINKLER TO BE REMOVED
- EXISTING PENDANT SPRINKLER TO REMAIN
- UPRIGHT SPRINKLER TO BE REMOVED
- EXISTING UPRIGHT SPRINKLER TO REMAIN
- PIPE CAP
- PIPE BOTTOM CONNECTION
- PIPE DROP
- PIPE RISE
- PIPE FITTING - ELBOW
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- ⊗ POINT OF CONNECTION / DISCONNECTION

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FIRE PROTECTION DEMOLITION - SERVERY ALTERNATE #1



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DESCRIPTION:
BID DOCUMENTS

SHEET:

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1 PHASE 2 ADD/ALT - FIRE PROTECTION DEMOLITION - FIRST FLOOR
1/8" = 1'-0"



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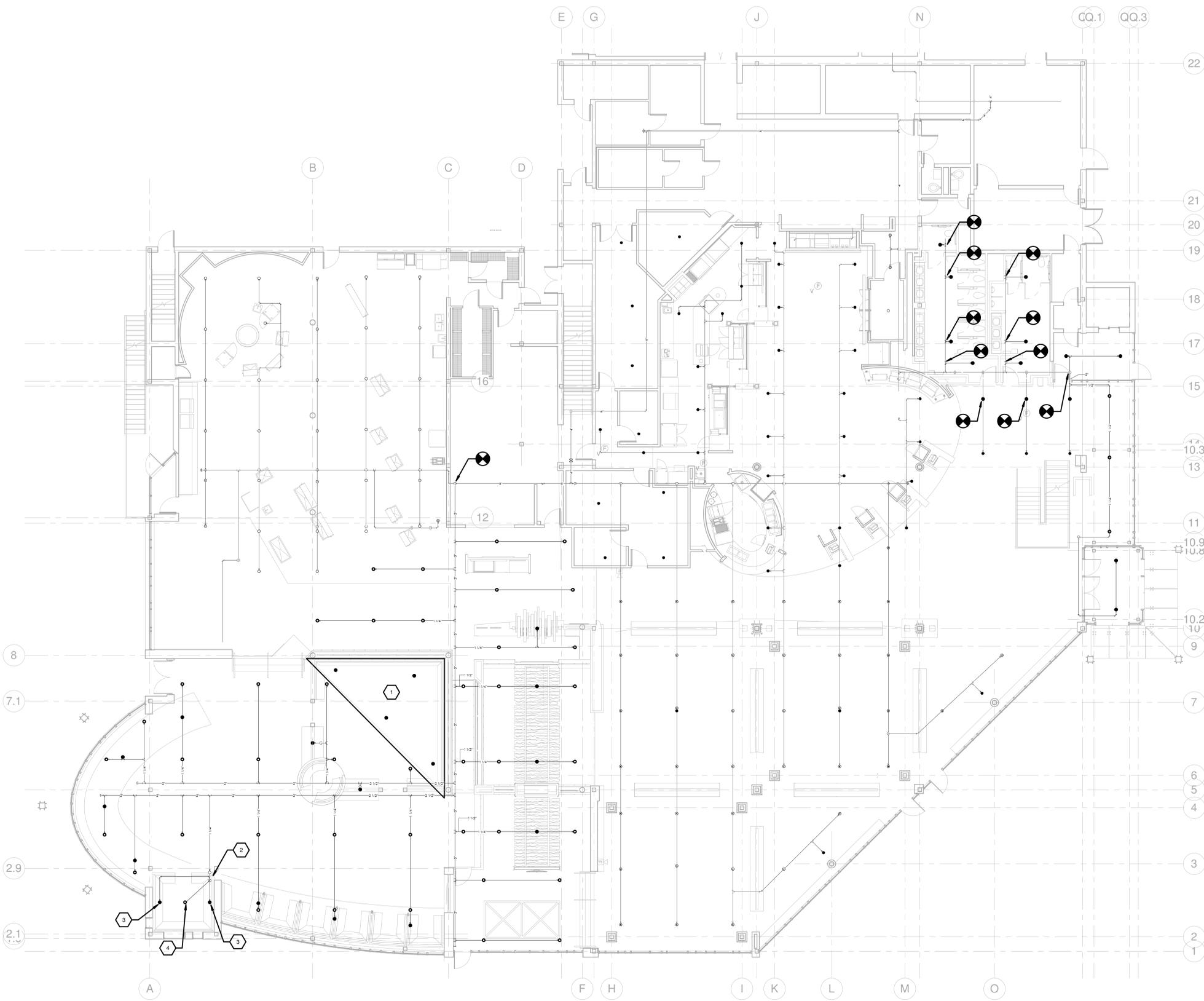
ADDITION/ALTERATION

KEYED NOTES

1. PROVIDE SPRINKLERS IN HIGH CEILING AREA. REUSE EXISTING BRANCH PIPING.
2. 1 1/4" PIPE UP TO TOP OF TOWER. KEEP TIGHT TO WALL.
3. CONCEALED PENDANT SPRINKLER IN OVERHANG. ROUTE PIPING ABOVE OVERHANG.
4. UPRIGHT SPRINKLER CENTERED BELOW ROOF PEAK. PIPING TO FOLLOW ROOF SLOPE UP.

LEGEND

- NEW PIPING
- EXISTING PIPING
- NEW PENDANT SPRINKLER
- NEW INTERMEDIATE TEMPERATURE PENDANT SPRINKLER
- EXISTING PENDANT SPRINKLER
- NEW UPRIGHT SPRINKLER
- EXISTING UPRIGHT SPRINKLER
- PIPE CAP
- PIPE BOTTOM CONNECTION
- PIPE DROP
- PIPE RISE
- PIPE FITTING - ELBOW
- PIPE FITTING - TEE
- PIPE FITTING - CROSS
- ⊗ POINT OF CONNECTION / DISCONNECTION



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ARCHITECT:



ENGINEER:



REVISIONS

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FIRE PROTECTION ALTERATIONS - FIRST FLOOR



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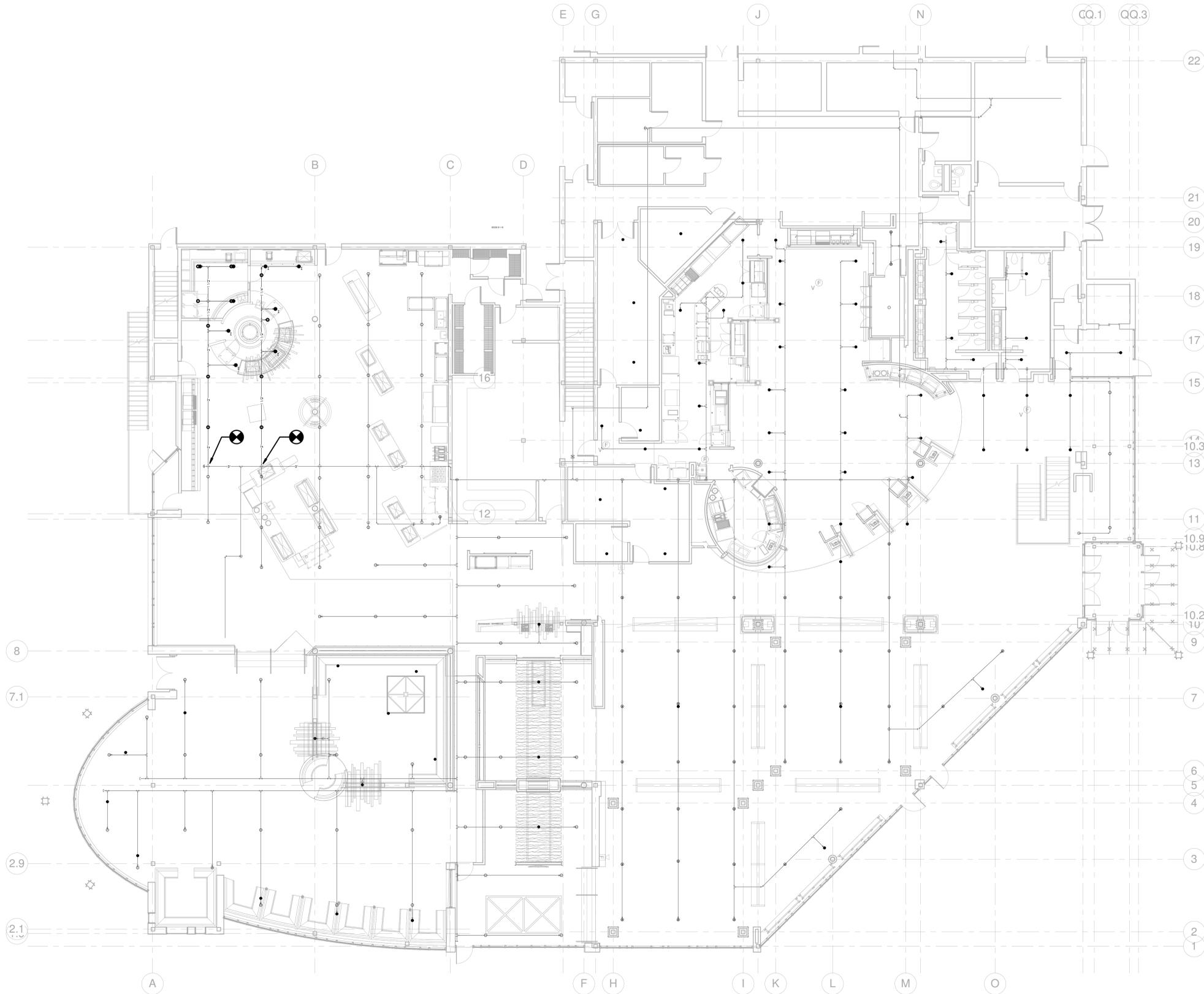
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ADDITION/ALTERATION



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