

**1 FIRE SPRINKLER RISER DETAIL**  
NOT TO SCALE

FIRE PROTECTION ABBREVIATIONS			
AG	ABOVE GRADE	FT	FOOT (FEET)
ADD	ADDENDUM	GAL	GALLON
ADDL	ADDITIONAL	GC	GENERAL CONTRACTOR
ADJ	ADJUSTABLE	GPM	GALLONS PER MINUTE
AFF	ABOVE FINISH FLOOR	MC	MECHANICAL CONTRACTOR
AFG	ABOVE FINISH GRADE	MECH	MECHANICAL
ALT	ALTERNATE	MIN	MINIMUM
BG	BELOW GRADE	NTS	NOT TO SCALE
CI	CAST IRON	PC	PLUMBING CONTRACTOR
COL	COLUMN	PLBG	PLUMBING
CW	COLD WATER	QTY	QUANTITY
DN	DOWN	SCH	SCHEDULE
EC	ELECTRICAL CONTRACTOR	SPEC	SPECIFICATIONS
FD	FLOOR DRAIN	SS	STAINLESS STEEL
FDC	FIRE DEPARTMENT CONNECTION	TEMP	TEMPERATURE
FLR	FLOOR	TYP	TYPICAL
FP	FIRE PROTECTION	W/	WITH

FIRE PROTECTION SYMBOL LEGEND	
	SHUTOFF VALVE
	CHECK VALVE
	DOUBLE CHECK VALVE
	END CAP
	FIRE DEPARTMENT CONNECTION (FDC)
	BELL

FIRE PROTECTION PIPING LINETYPES	
LINE TYPE	DESCRIPTION
	NEW - ABOVE GRADE
	NEW - BELOW GRADE

- FIRE PROTECTION GENERAL NOTES**
- CONTRACTOR SHALL PROVIDE DESIGN FOR SPRINKLER SYSTEMS FOR NEW SAFEROOM ADDITION AND CLASSROOM ADDITION.
  - COORDINATE INSTALLATION OF SPRINKLER PIPING AND ALL COMPONENTS WITH OTHER TRADES, OWNER, AND GENERAL CONTRACTOR.
  - FIRE PROTECTION SYSTEM TO COMPLY WITH NFPA 13, INSURANCE CARRIER AND ALL APPLICABLE STATE AND LOCAL CODES.
  - CUTTING OF STRUCTURAL AND/OR ARCHITECTURAL MEMBERS TO BE DONE ONLY WITH THE WRITTEN APPROVAL OF THE ARCHITECT AND STRUCTURAL ENGINEER.
  - PROVIDE MINIMUM 10 PSI SAFETY FACTOR.
  - WORKING DRAWINGS INDICATING SPRINKLER HEAD LOCATIONS AND EXPOSED AND CONCEALED PIPING ROUTING SHALL BE PROVIDED TO THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION FOR APPROVAL.
  - FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR ORGANIZING A COORDINATION MEETING WITH OTHER TRADES AND OWNER PRIOR TO INSTALLATION.
  - SYSTEM PIPING LOCATION: WET SYSTEM PIPING SHALL BE INSTALLED AT HIGHEST ELEVATION POSSIBLE. PIPING SHALL BE INSTALLED ABOVE ALL MECHANICAL EQUIPMENT, DUCTWORK, AND ALL PLUMBING SYSTEM PIPING. PROVIDE ADEQUATE CLEARANCE TO MECHANICAL UNITS. FIRE PROTECTION CONTRACTOR SHALL COORDINATE FIRE PROTECTION PIPING PRIOR TO INSTALLATION.
  - PROPERLY TORQUE MECHANICAL TEES TO MANUFACTURER'S RECOMMENDATIONS.
  - FIRE PROTECTION PLANS ARE FOR REFERENCE ONLY. OCCUPANCIES AND AREAS OF PROTECTION NOTED ON THE PLANS SHALL BE CONFIRMED WITH NFPA 13 AND AUTHORITIES HAVING JURISDICTION. THIS CONTRACTOR SHALL COMPLY WITH ANY CODE REQUIREMENTS AS REQUIRED.
  - REFER TO ARCHITECTURAL FIRE CODE PLAN FOR ADDITIONAL INFORMATION.
  - FIRESEAL ALL PENETRATIONS THRU RATED STRUCTURES TO MAINTAIN FIRE RATING.
  - SEMI-RECESSED PENDANT SPRINKLER HEADS SHALL HAVE WHITE FINISH.
  - UPRIGHT SPRINKLER HEADS SHALL BE BRASS. PROVIDE PROTECTIVE GUARD FOR HEAD.

FIRE PROTECTION SHEET INDEX	
F000	FIRE PROTECTION TITLE SHEET
F101	FIRE PROTECTION PLAN - AREA A
F102	FIRE PROTECTION PLAN - AREA B

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CEDAR CREEK  
CIVIL  
KFC ENGINEERING  
STRUCTURAL  
SALAS O'BRIEN  
MECHANICAL / ELECTRICAL



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date  
revisions

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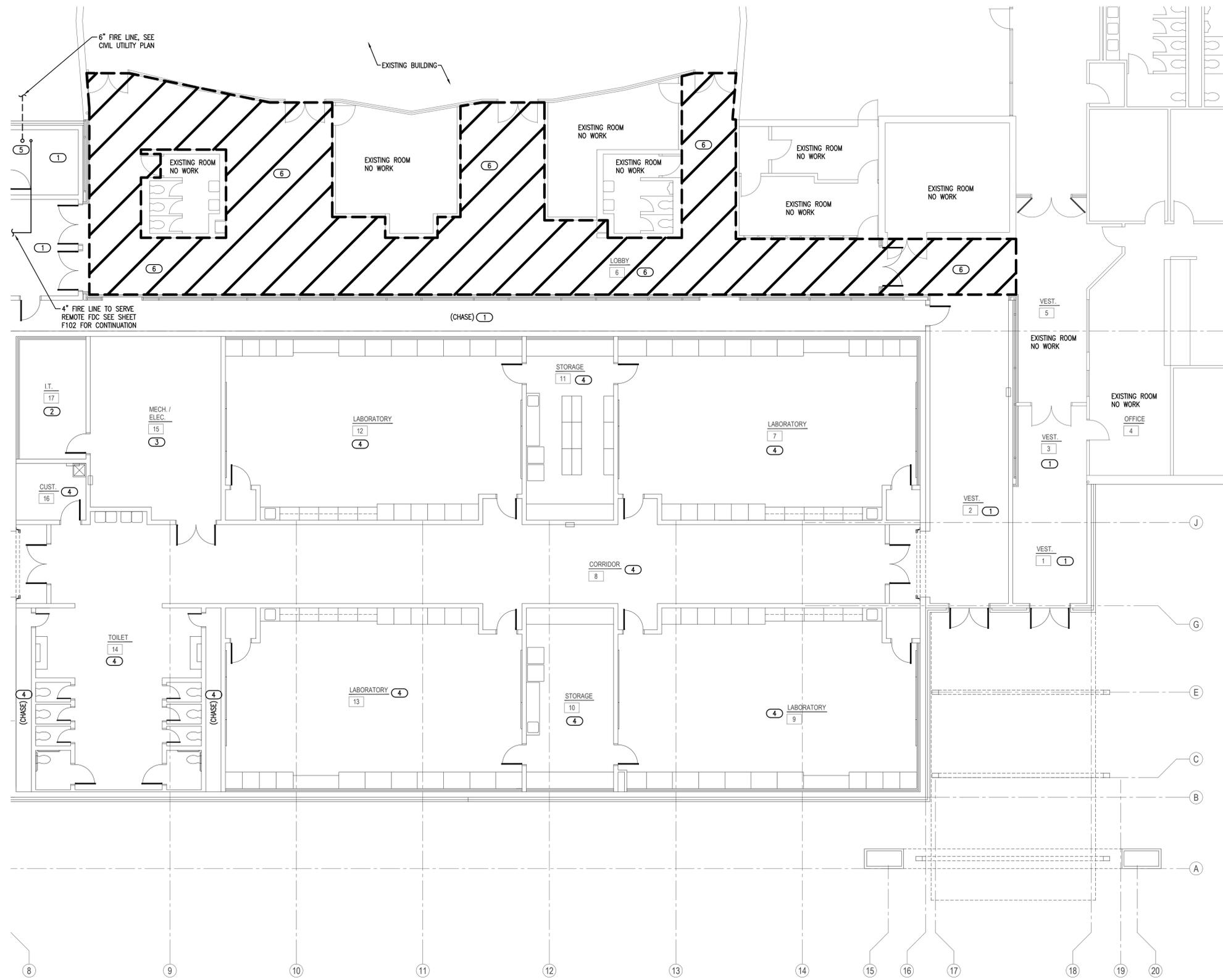
CLASSROOM ADDITION  
CENTRAL JUNIOR  
HIGH SCHOOL

sheet no:

**F000**

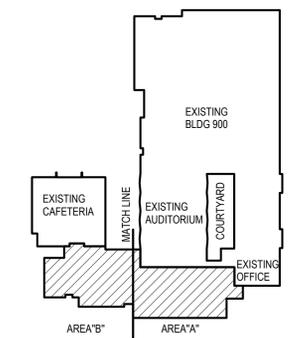
**Salas O'Brien**  
2900 S. Telephone Road, Suite 120  
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Salas O'Brien Registration: CA# 7058  
Expiration Date: 6/30/2025  
Salas O'Brien Project Number: 2550-00564-00

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- GENERAL NOTES**
1. COORDINATE WORK WITH ALL OTHER TRADES ON SITE.
  2. REFER TO GENERAL NOTES ON SHEET F000.
  3. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
  4. SEMI-RECESSED PENDANT SPRINKLER HEADS IN LAY-IN AND HARD CEILINGS SHALL HAVE WHITE FINISH. EXPOSED UPRIGHT HEADS SHALL BE BRASS WITH WIRE GUARDS.
  5. FIRE SEAL ALL PENETRATIONS THRU RATED STRUCTURES TO MAINTAIN FIRE RATING.
  6. COORDINATE FIRE DEPARTMENT CONNECTION LOCATIONS WITH LOCAL FIRE DEPARTMENT OR AHJ.
  7. COORDINATE INSPECTORS TEST DRAIN LOCATION WITH ALL TRADES ON SITE.
  8. CONTRACTOR SHALL COORDINATE ALL STORM SHELTER WALL AND ROOF PENETRATIONS WITH STRUCTURAL. REFER TO STRUCTURAL DETAIL SHEET FOR PENETRATION PROTECTION FOR RECTANGULAR OPENINGS GREATER THAN 3.5 SQUARE INCHES AND CIRCULAR OPENINGS GREATER THAN 2.125 INCHES PER 2014 ICC-500.

- KEYED NOTES**
- 1 LIGHT HAZARD - NEW ADDITION AREA. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE.
  - 2 LIGHT HAZARD - IT ROOM - PROVIDE INTERMEDIATE TEMPERATURE TYPE HEADS. COORDINATE HEAD LOCATION WITH IT DEPARTMENT. IN SAFEROOM AREA.
  - 3 ORDINARY HAZARD GROUP 1 - REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE. IN SAFEROOM AREA.
  - 4 LIGHT HAZARD AREA - REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE. IN SAFEROOM AREA.
  - 5 6" FIRE SPRINKLER RISER. SEE DETAIL 1/F000. SEE PLUMBING PLAN P101 FOR CONTINUATION OF FIRE LINE INTO BUILDING.
  - 6 LIGHT HAZARD - HATCHED AREAS - NEW CEILING LAYOUT IN EXISTING SPACE. MODIFY EXISTING SPRINKLER HEADS AS REQUIRED FOR NEW LAYOUT. COORDINATE HEAD PLACEMENT WITH ELECTRICAL, TECHNOLOGY AND MECHANICAL. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE.



**KEYPLAN**  
NO SCALE

sheet no:

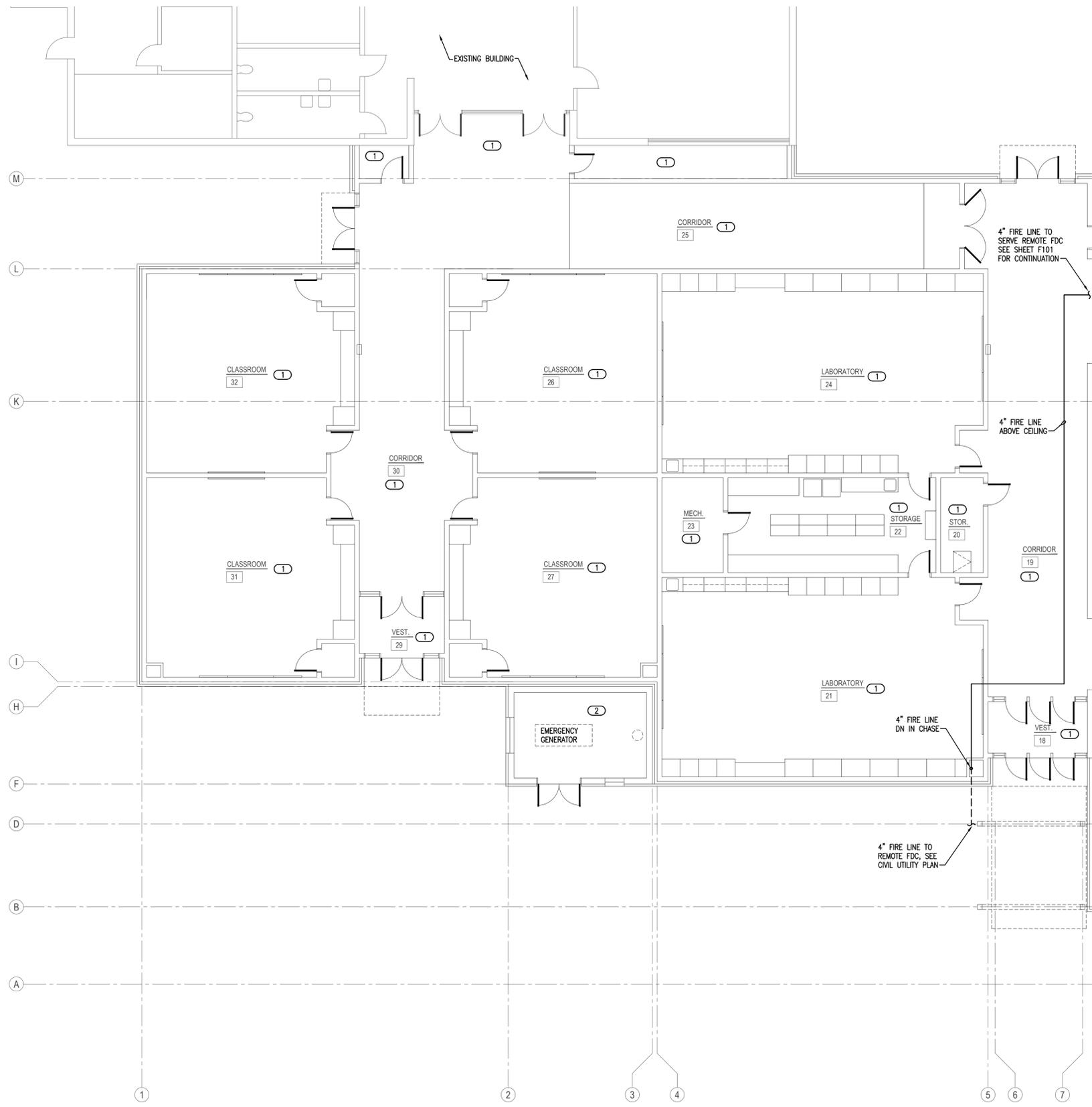
**F101**

**1 FIRE PROTECTION PLAN - AREA A**  
SCALE: 1/8" = 1'-0"



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- GENERAL NOTES**
- COORDINATE WORK WITH ALL OTHER TRADES ON SITE.
  - REFER TO GENERAL NOTES ON SHEET F100.
  - FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
  - SEMI-RECESSED PENDANT SPRINKLER HEADS IN LAY-IN AND HARD CEILING SHALL HAVE WHITE FINISH. EXPOSED UPRIGHT HEADS SHALL BE BRASS WITH WIRE GUARDS.
  - FIRE SEAL ALL PENETRATIONS THRU RATED STRUCTURES TO MAINTAIN FIRE RATING.
  - COORDINATE FIRE DEPARTMENT CONNECTION LOCATIONS WITH LOCAL FIRE DEPARTMENT OR AHI.
  - COORDINATE INSPECTORS TEST DRAIN LOCATION WITH ALL TRADES ON SITE.

- KEYED NOTES**
- LIGHT HAZARD - NEW ADDITION AREA. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE.
  - HAZARD - NEW EMERGENCY GENERATOR ENCLOSURE WITH UNIT HEATER. PROVIDE EXPOSED HIGH TEMPERATURE SPRINKLER HEADS WITH WIRE GUARD.

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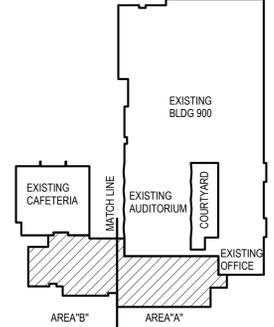


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CLASSROOM ADDITION  
CENTRAL JUNIOR  
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**KEYPLAN**  
NO SCALE

sheet no:

**F102**

**1 FIRE PROTECTION PLAN - AREA B**  
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