

0 1/4" = 1'

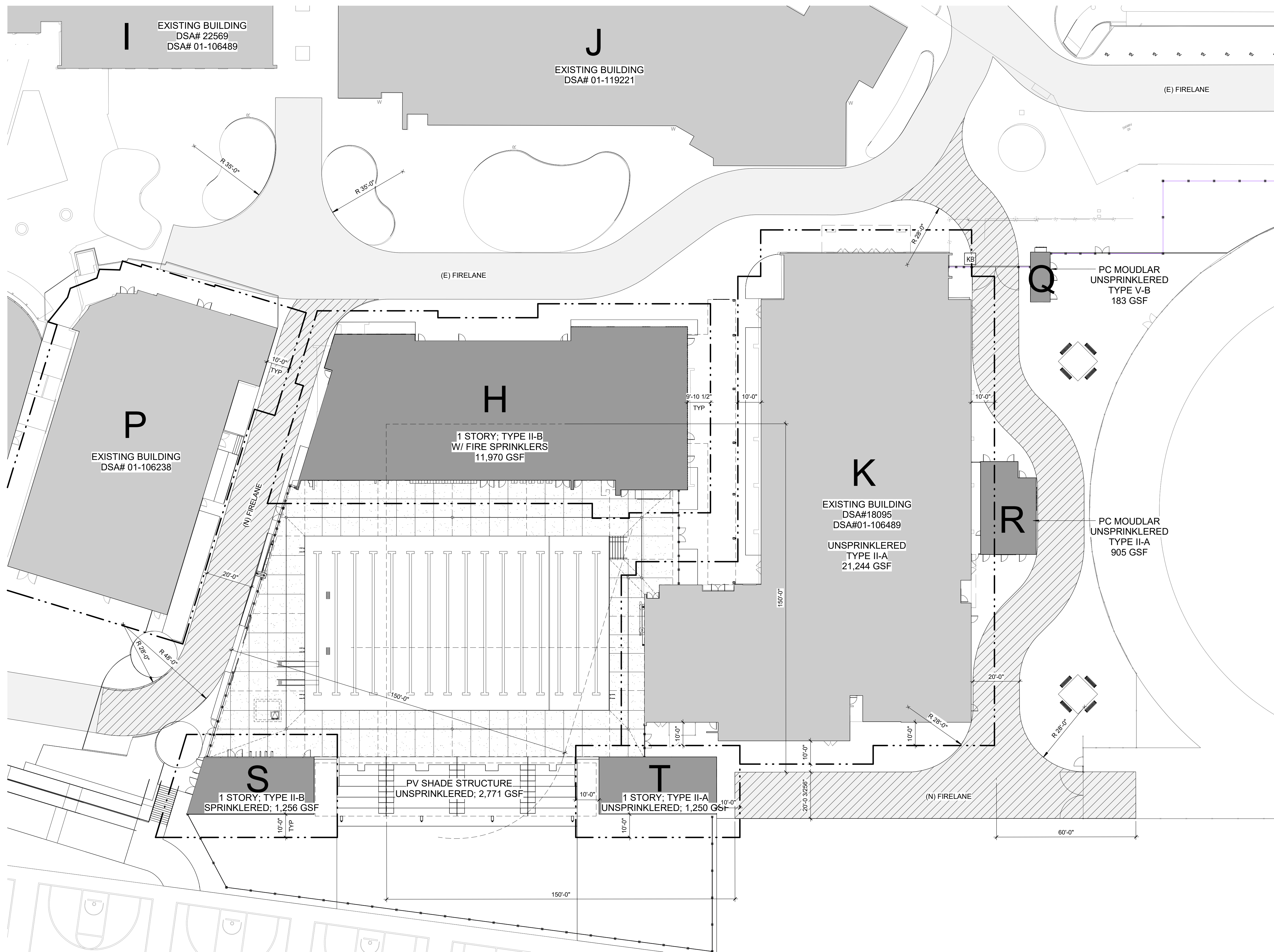
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Address: 023030 SCRS Terra Linda HS Aquatic/Athletic ARCHMSTR\_RFL\_CENTRAL.rvt

7/27/2023 8:37:03 AM



### LEGEND

- FIRE TRUCK ACCESS ROAD (MINIMUM 20'-0" CLEAR WIDTH)
- EMERGENCY FIRE TRUCK ACCESS PATH OF TRAVEL ROUTE IS TO BE A MINIMUM OF 20' WIDE BY 15'-6" VERTICAL CLEARANCE WITH 50' INSIDE TURNING RADIUS AND AN ADDITIONAL 2' OF WIDTH PROVIDED TO ALLOW FOR CLEARANCE OF APPARATUS BUMPER OVERHANG, TYP. VEHICLE BARRIERS SUCH AS GATES SHALL BE PROVIDED WITH A KNOX BOX AT CAMPUS ENTRY POINTS.
- NEW BUILDING LOCATION
- EXISTING BUILDING LOCATION
- SAFE DISPERSAL AREA: 5SF/PERSON MIN 50'-0" FROM ANY BUILDING
- ASSUMED PROPERTY LINE PER BUILDING
- (E) FIRE HYDRANT, SEE CIVIL DWGS
- (E) POST INDICATOR VALVE, SEE CIVIL DWGS
- (E) FIRE DEPARTMENT CONNECTION, SEE CIVIL DWGS
- KNOX BOX

### FIRE & LIFE SAFETY SITE CONDITIONS

**PROJECT INFORMATION**

School District/Owner: \_\_\_\_\_

Project Name/School: \_\_\_\_\_

Project Address: \_\_\_\_\_

**FIRE & LIFE SAFETY INFORMATION**

1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
3. Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Refer to the following website for FHSZ locations: <a href="http://egis.fire.ca.gov/FHSZ/">http://egis.fire.ca.gov/FHSZ/</a>	Moderate <input type="checkbox"/>	High <input type="checkbox"/> Very High <input type="checkbox"/>
Wildland Interface Area (WIFA) (If any designations are check, project design team must meet the requirements of CBC Chapter 7A.)	WIFA <input type="checkbox"/>	

**CONDITION MEANS AND METHODS RESOLUTION**

	Y	N	NA	NR
4. Emergency vehicle access roadways do not meet CFC requirements.				
4a. <b>Acceptable Alternative:</b> Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5. Fire Hydrants: Number and spacing does not meet CFC requirements.				
5a. <b>Acceptable Alternative:</b> Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6. Fire Hydrants: Water flow and pressure are less than CFC minimum.				
6a. <b>Acceptable Alternative:</b> The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7. Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.				
7a. <b>Acceptable Alternative:</b> The location of fire department connections serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

**School District Acceptance of Acceptable Design Alternates**

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a, or 7a, for providing fire and life safety protection of life and property.

Accepted by: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**LOCAL FIRE AUTHORITY (LFA)**

LFA Agency Name: \_\_\_\_\_

LFA Review Official: \_\_\_\_\_

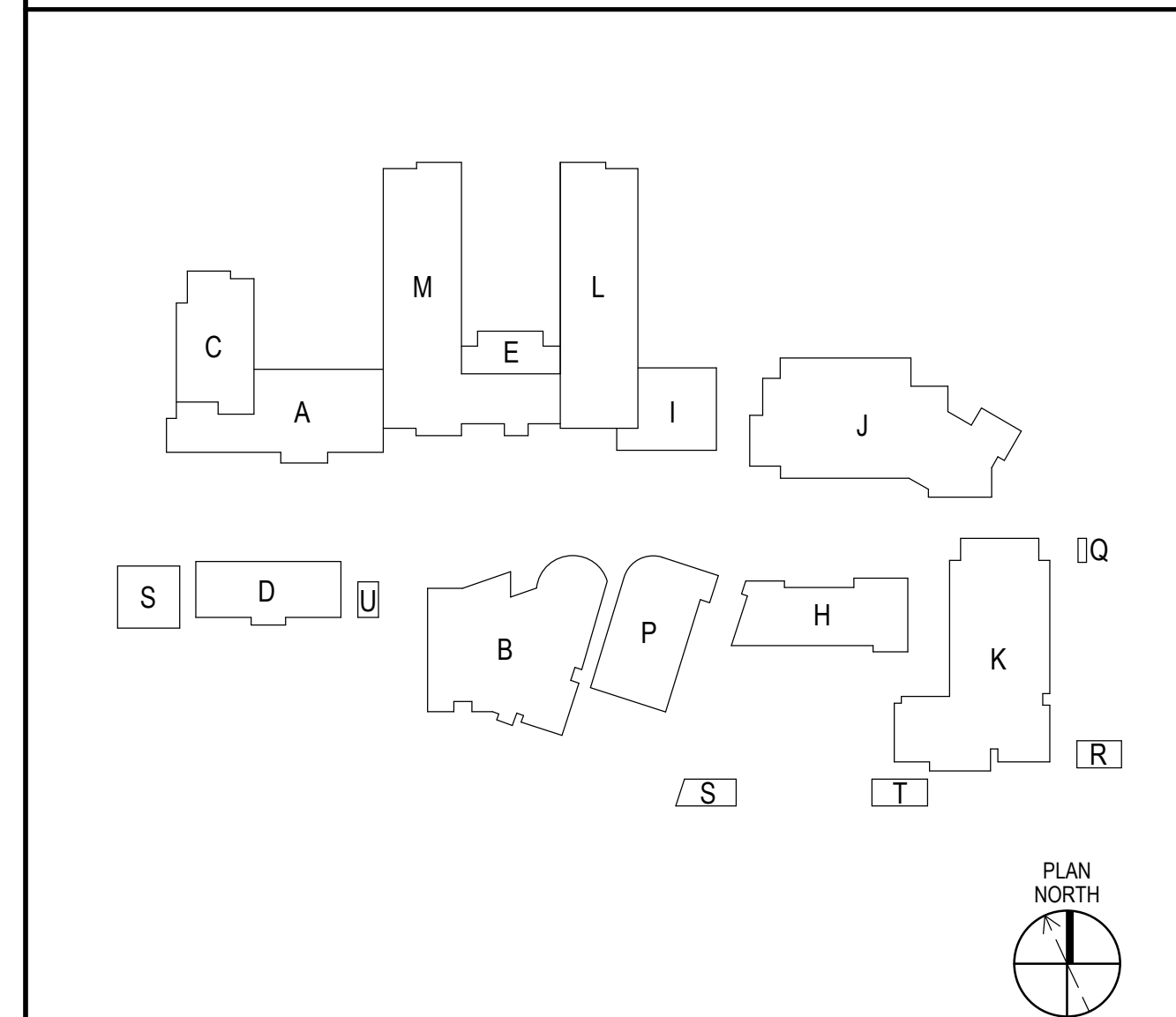
Title: \_\_\_\_\_ Work Phone: \_\_\_\_\_

Work Email: \_\_\_\_\_

LFA Reviewer Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Review Key:** "Y" = Complies with LFA requirements "N" = Not Approved (complete Section B)  
 "NA" = Not applicable to the project "NR" = LFA elects not to review

### KEY PLAN



## 1 CODE ANALYSIS / FIRE SAFETY SITE PLAN - ENLARGED

SCALE 1" = 20'-0"

# LIONAKIS

2025 Nineteenth Street  
Sacramento CA 95818  
P 916.558.1900  
www.lionakis.com

CONSULTANT

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SEAL

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**PROJECT**  
TERRA LINDA HIGH SCHOOL  
AQUATIC & ATHLETIC  
RENOVATIONS  
320 NOVA ALBION WAY  
SAN RAFAEL, CA 94903

**CLIENT** SAN RAFAEL CITY SCHOOLS

310 NOVA ALBION WAY SAN RAFAEL, CA 94903

ISSUED

MARK	DATE	DESCRIPTION

MANAGEMENT

LIONAKIS PROJECT NO:	023030
CLIENT PROJECT NO:	700.00.007
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TITLE

## CODE ANALYSIS / FIRE ACCESS SITE PLAN - ENLARGED

SHEET

# GL101A



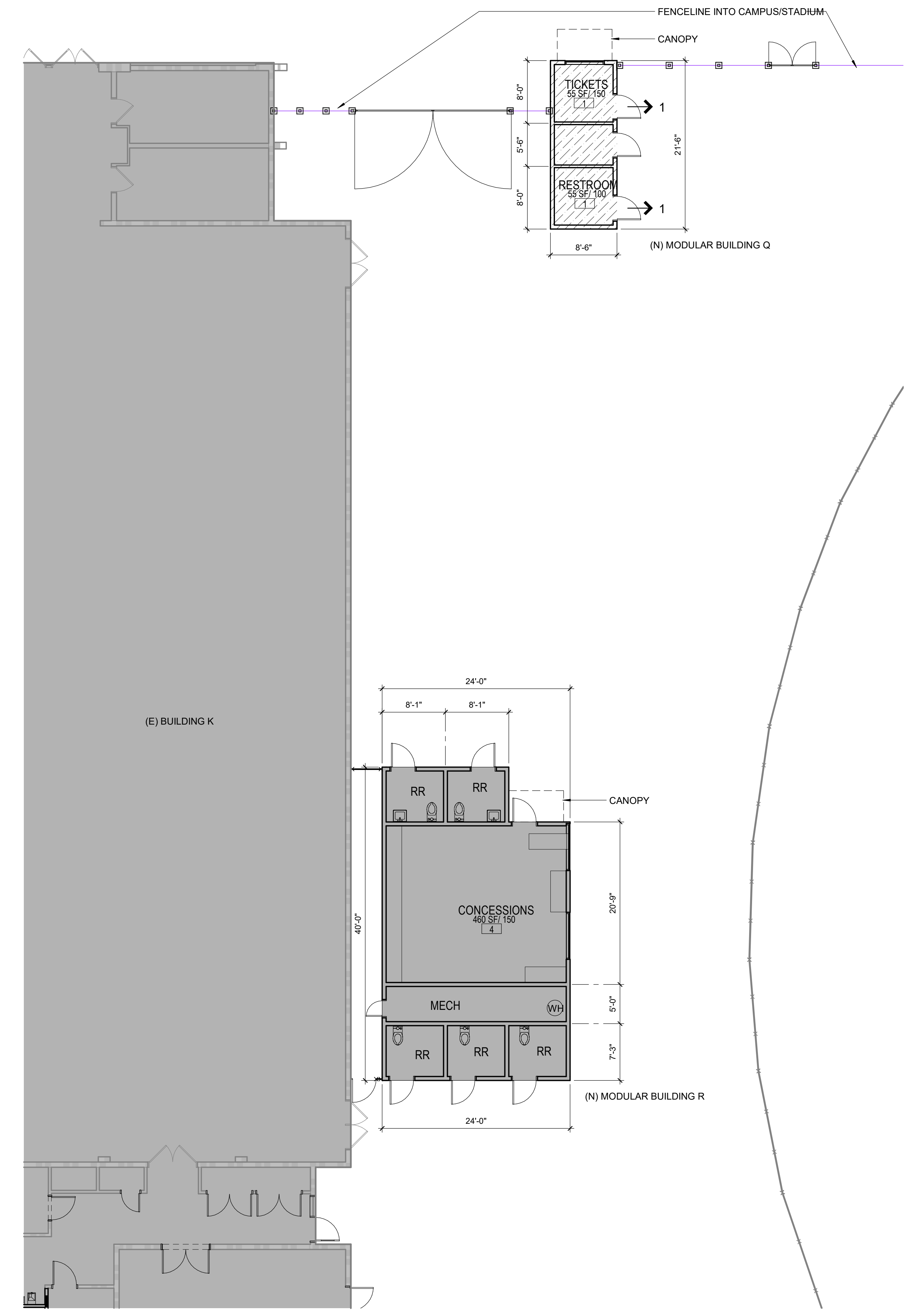
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0.14" = 1'-0"



**1 FLOOR PLAN - BUILDING Q - LIFE SAFETY**  
SCALE: 1/8" = 1'-0"

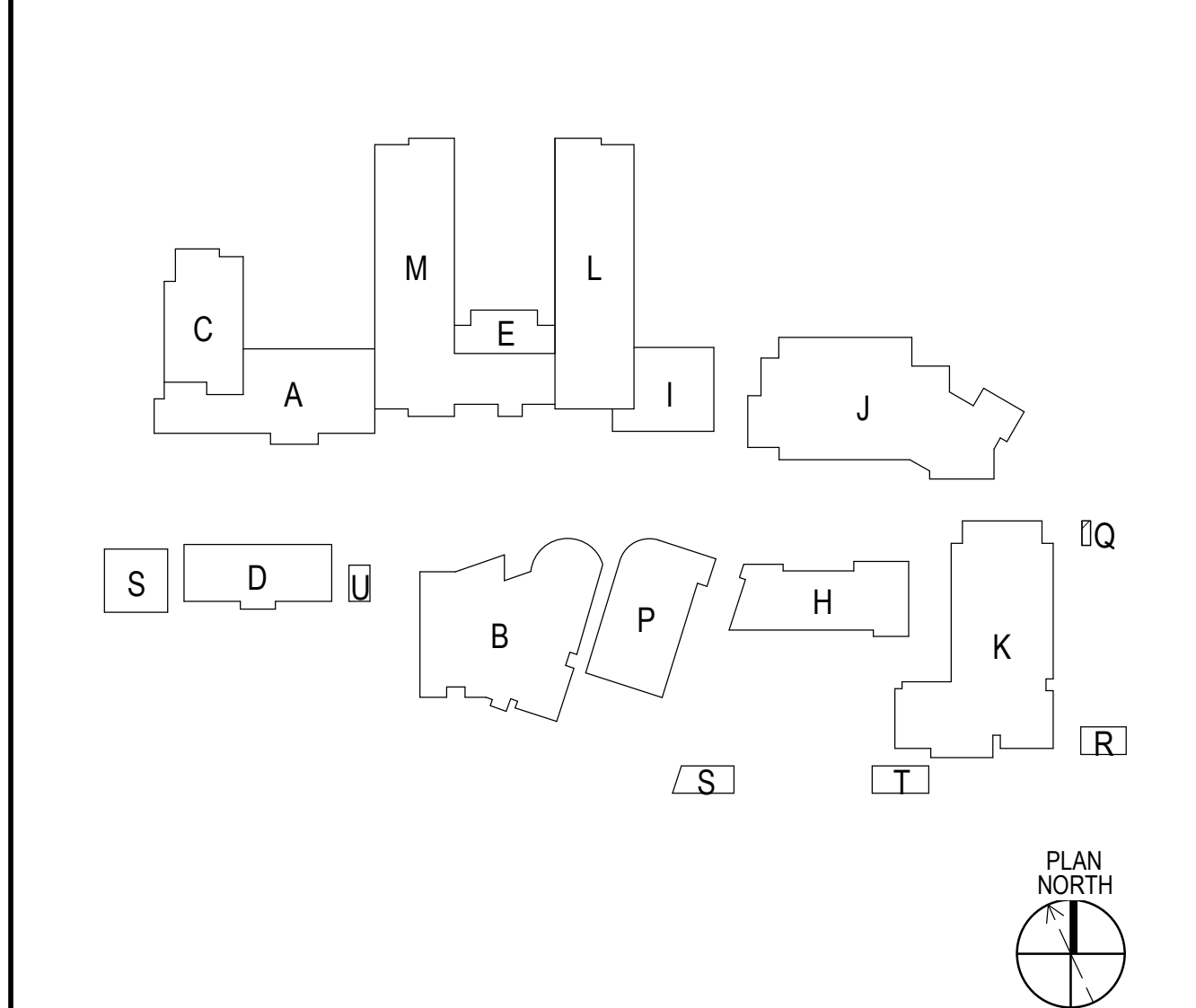
## BUILDING Q CODE ANALYSIS

1. GOVERNING CODE:	2022 CALIFORNIA BUILDING CODE		
2. OCCUPANCY TYPE: (CBC 302)	BUILDING R: B OCCUPANCY BUILDING Q: ANALYZED ON SHEET K.GL111		
3. CONSTRUCTION TYPE: (CBC 602 & TABLE 601)	TYPE V-B WITH NO FIRE SPRINKLER SYSTEM		
4. BASIC ALLOWABLE HEIGHT AND BUILDING AREA: (CBC TABLE 504.3, 504.4, & 506.2)	OCCUPANCY GROUP	ALLOWABLE BLDG AREA	MAX NO OF STORIES
	GROUP B	9,000 SF	2 STORIES
5. ACTUAL BUILDING DATA:	OCCUPANCY GROUP	ACTUAL BLDG AREA	ACTUAL NO OF STORIES
	GROUP B	71 SF	1 STORIES
		GROUP S-2	112 SF
		TOTAL GROSS	183 SF
6. BASIC ALLOWABLE BUILDING AREA: (CBC 506.1 & TABLE 503)	BLDG Q - ACTUAL 183 SF < ALLOWABLE AREA 9,000 SF OK		
7. FIRE RESISTANCE REQUIREMENTS: (CBC TABLE 601)	STRUCTURAL FRAME	0 HOURS	
	BEARING WALLS - EXTERIOR	0 HOURS	
		BEARING WALLS - INTERIOR	0 HOURS
		NON-BEARING WALLS & PARTITIONS - EXTERIOR: (CBC TABLE 602)	FIRE RATING BASED ON FIRE SEPARATION DISTANCE X < 5 FT = 1HR 5 FT < X < 10 FT = 1 HR 10 FT < X < 30 FT = 0 HR X > 30 = 0 HR
		NON-BEARING WALLS & PARTITIONS - INTERIOR:	0 HOURS
		FLOOR CONSTRUCTION	0 HOURS
		ROOF CONSTRUCTION	0 HOURS
		PROJECTIONS (CBC 705.2)	0 HR - MAY BE OF ANY NONCOMBUSTIBLE MATERIAL
		EXTERIOR DOORS AND WINDOWS (CBC TABLE 705.8)	UNPROTECTED, 25% MAX (FIRE SEPARATION DISTANCE 5 FT ≤ X < 10 FT)  UNPROTECTED, 75% MAX (FIRE SEPARATION DISTANCE 15 FT ≤ X < 20 FT)
8. OCCUPANT LOAD: (CBC TABLE 1004.5)	CORRIDORS (CBC TABLE 1020.1)	0 HOURS	
9. TOTAL EGRESS WIDTH REQUIRED: (CBC 1005.1)	BUILDING Q - 2 OCCUPANTS X 0.2 = 0.4" 0.4" NEEDED (32" MIN)	68" PROVIDED	
10. COMMON PATH OF EGRESS TRAVEL: (CBC 1006.2.1)	TWO EXITS OR EXIT ACCESS DOORWAYS FROM A SPACE SHALL BE PROVIDED WHERE THE COMMON PATH OF TRAVEL EXCEEDS 75'		
	COMMON EGRESS PATH OF TRAVEL SHALL NOT EXCEED 75'		

## LIFE SAFETY LEGEND

USE: SQUARE FOOTAGE → XXX SF / XX	CEILING MOUNTED "EXIT" SIGNS W/ DIRECTIONAL ARROWS WHERE SHOWN	EXIT →
OCCUPANT LOAD → LXX	NON-RATED PARTITION	□
OCCUPANT LOAD FACTOR → LXX	MIN 1HR-RATED PARTITION	▨
EXIT LOCATION & NUMBER OF OCCUPANTS USING EXIT → 27	PANIC HARDWARE	PH
OCCUPANT LOAD → 0	ASSUMED PROPERTY LINE / FIRE SEPARATION DISTANCE	---
FIRE EXTINGUISHER CABINET → FEC	OCCUPANCY A	▩
FIRE EXTINGUISHER → FE	OCCUPANCY E	□
OCCUPANCY A	OCCUPANCY S-2	▨
OCCUPANCY E	NOT IN SCOPE OR ANALYZED SEPARATELY	■
OCCUPANCY B		▩

## KEY PLAN



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TITLE  
**LIFE SAFETY FLOOR  
PLAN - BLDG Q**

SHEET  
**Q.GL111**