



Fire Station No. 01

300 Middlefield Road, Menlo Park, CA

Project Description

History

Fire Station 1 is located at 300 Middlefield Road, Menlo Park, CA 94025. This station is located in the County of San Mateo and the authority having jurisdiction is the City of Menlo Park. The two-story fire station was built in 1955 and was seismically retrofitted in the 1990s. The station requires replacement to address its deteriorating infrastructure, to make it compliant with updated building codes, to address fire safety requirements, to incorporate advancements in technology and safety enhancements, and to provide additional space for staff, apparatus, and storage. Fire Station 1 staffs an engine and a squad which is operated by five personnel. In addition, the training division's office staff works out of the second floor of the fire station. The site includes an emergency diesel fueled generator, a 5-story training tower that is attached to the station, and an ancillary building comprised of a multi-purpose room for board meetings and training, a small mechanic shop used for storage, and an exercise room. In 2009 the District completed the remodel of the District owned office building at 170 Middlefield Road. Upon completion of this remodel the District relocated the administration and fire prevention office personnel to this new building. In 2016 the District procured 114 Santa Margarita in order to provide additional office space for its employees. In 2018, the District acquired 1.01 acres adjacent to Fire Station 1 from the Roman Catholic Church. The lot acquired has been merged with the existing lot to form a 1.96-acre lot. The property acquisition provides the District with the ability to develop the site to include a new fire station, training facility, an office building for administration, training, and fire prevention staff, a storage building for equipment and supplies and a multipurpose room that can be used as a board room, trainings and a district operations center.

Scope of Work

Menlo Park Fire District has since outgrown the existing site as well as their headquarters. MPFD intends to utilize 300 Middlefield Road as their new headquarters. The site and its features will be completely demolished and make way for 3 new buildings and new site features. The site will house a new Fire Station, an office/storage building and a Training building.



Fire Station

The project includes a new 16,300 square foot, two-story Fire Station with enough room for future growth of the fire district. The Fire Station sits in a similar footprint to the existing station and has an approximate height of 32 feet. The new station will house four drive-through apparatus bays each capable of accommodating a tiller truck or multiple fire engines parked in tandem. The main entry drive for the drive-through bays would be accessed off of Santa Monica Avenue with a secondary entry accessed off of Middlefield Road, while the apparatus would exit onto Middlefield Road. In addition to the apparatus space, the first floor of the new fire station would include a public lobby showcasing an antique apparatus as well as historical firefighting equipment, offices, a fitness room and utility space. The second floor of the new fire station would be composed of living quarters for on-duty personnel, including a second story patio deck. The proposed staffing of the fire station would remain at five on-duty firefighters for each shift rotation. The fire station would include living and sleeping quarters to accommodate up to thirteen firefighters and one Battalion Chief to address future growth. The Fire Station is designed in contemporary architectural style. Black metal panels and wood tone cement plaster is intended to be used. Glazing will be utilized as much as possible.

District Offices and Storage Building

A "L" shaped building at the rear of the lot is proposed to provide office space for the administration, fire prevention, and training divisions as well as storage space for District supplies and equipment and a multipurpose room for board meetings and to serve as a District Operations Center. This building is designed in contemporary architectural style which matches the Fire Station. Black metal panels and wood tone cement plaster is intended to be used.

Training Tower

The proposed training facility is anticipated to provide high-rise training, elevator rescue, high-angle rope, center hallway construction, confined space, firefighter survival and rapid intervention crew training, and class B (propane) fire training. This building will be comprised of a 5-story concrete masonry unit structure that is 50' in height along with a smaller 1 story residential training prop. There is also a basement to allow for additional training opportunities.



Purpose of Submittal

For this submittal, we are requesting review for Architectural Control, Use Permit, Heritage Tree Removal, Zoning Amendment to PF, and an amendment to the General Plan to allow up to 70% FAR.

Neighborhood Outreach

On 6/24/24 the District met with representatives from Saint Patrick's Seminary including Father Doherty to discuss the Fire Station 1 project. The District provided and discussed initial site plans and elevations. The discussion revolved around fencing, tree replacement, project phasing, and project duration. The project was well received by the representatives of St Patrick's Seminary. We discussed the District's plan for ongoing emergency response operations during construction and the possible placement of trailers on Saint Patrick's Seminary's property as well as replacement tree planting on their property to provide screening and to reduce noise. The District agreed to provide additional information regarding tree selection, fencing options, and site requirements for temporary facilities including utility requirements. The District plans to provide the requested information pending the progress of plan development and feedback from the City.

Additional public outreach is planned to occur upon receipt of initial comments from the City of Menlo Park on our planning submittal. This public outreach will include walking the neighborhood and talking with the neighbors and providing them with a flyer which will provide an overview of the project. Later in the planning process the District plans to hold a neighborhood meeting to obtain feedback from our neighbors.

Site Improvements

The site includes twelve secure parking spaces to accommodate the overlapping change of shift, along with six parking spaces for district owned trailers and unsecured public parking for two public van accessible spaces and seven non-accessible spaces.

A new stationary generator would be located onsite in the middle of the lot which shall provide emergency power to all structures on site in the event of a power outage. A new 1000-gallon above ground diesel fuel storage tank would be located adjacent to the emergency generator. The fuel storage tank would be used for refueling of fire engines and powering the generator. A second 1000-gallon unleaded fuel tank would be located adjacent to the diesel fuel tank for the fueling of the District's vehicles. The site would also include a 1000-gallon propane tank to provide fuel for class B live fire training inside the training building.



To accommodate the construction of the new fire station, all 23 of the existing trees on the subject site are proposed to be removed. Twenty-one of the trees are classified as heritage trees and one is classified as a street tree. The tree inventory is comprised of four American sweetgum, four coast live oaks, two little leaf linden, one north California black walnut, four Monterey cypress, seven olive tree, and one saucer magnolia. The trees to be removed would be replaced with new trees planted primarily along the street and property lines. Proposed trees to be planted include California buckeye, American smoke tree, Deodar cedar, Canary island pine, Coast live oak, Cork oak, Fruitless Chinese pistache, Eastern redbud multi-trunk, and California wax myrtle. Planted areas would be mulched and irrigated with a low volume irrigation system.

Construction Activities

Project construction is anticipated to occur over a four-and-a-half-year period, and the fire station would continue to operate throughout the construction process.

Construction would be broken into the following eight major phases:

- ❖ Phase 1: Construct new site utilities for a temporary modular fire station on Saint Patrick's Seminary's property. This would include paving, trenching and installation of water pipes for domestic water and fire sprinkler water, sanitary piping, and conduits for power and data.
 - Estimated construction duration: 1 month
- ❖ Phase 2: Relocate an existing temporary modular fire station to the subject site. This structure, along with a temporary tent structure to be erected to house the fire apparatus, would allow Fire Station No. 1 to remain fully operational during the construction process.
 - Estimated duration: 1 month
- ❖ Phase 3: Relocate firefighters into temporary quarters and demolish all existing structures.
 - Estimated duration: 1 month
- ❖ Phase 4: Perform site grading and excavation
 - Estimated duration: 3 months
- ❖ Phase 5: Construct the underground parking garage
 - Estimated duration: 6 months
- ❖ Phase 6: Construct the new fire station, office/storage building and training building.
 - Estimated duration: 36 months
- ❖ Phase 7: Construct sidewalks, walkways, paving, landscaping, and install fuel tanks and generator.
 - Estimated duration: 2 months



- ❖ Phase 8: Move personnel into the new fire station, remove temporary structures, and complete site improvements.
 - Estimated duration: 2 months

END OF PROJECT DESCRIPTION

MENLO PARK FIRE STATION NO. 01

MENLO PARK FIRE PROTECTION DISTRICT

VICINITY PLAN



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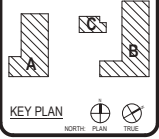
INDEX ELECTRICAL	
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E1.2	STREET LIGHTING PHOTOMETRIC PLAN
E1.3	CITY STANDARD AND FIXTURE DATA SHEET



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MENLO PARK FIRE STATION NO. 01 & TRAINING TOWER

CLIENT LOGO



CLIENT		
MENLO PARK FIRE PROTECTION DISTRICT		DATE
031		PROJECT NUMBER
08/30/2024		220532
DRAWING HISTORY		
No.	Description	Date

PLANNING DEPARTMENT SUBMITTAL
BUILDING NUMBER

COVER SHEET

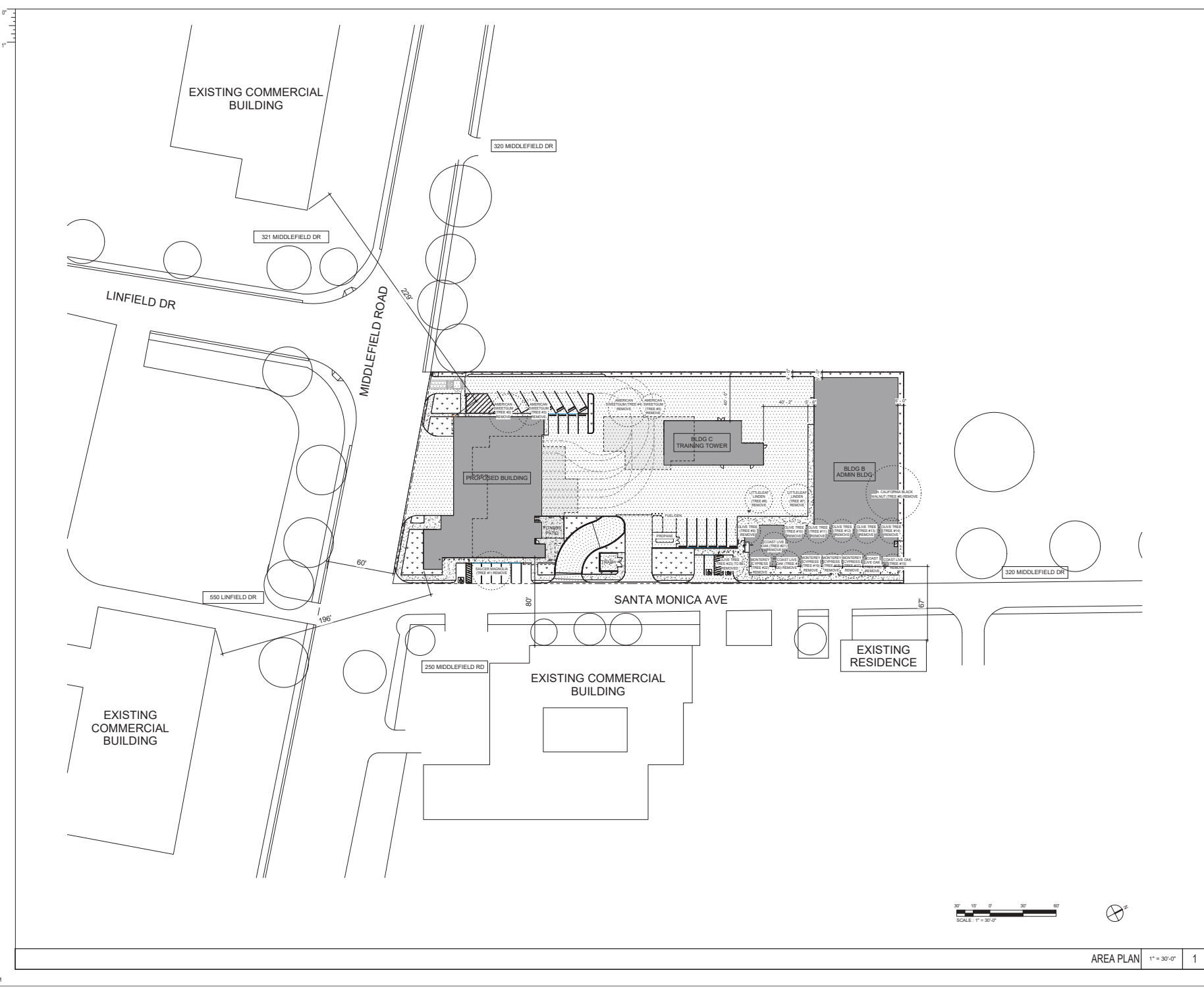
AP1.0

COVER SHEET
AP1.0
FROM BLUEPRINT LABELING TOOL

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DRAWN BY: Auto
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AREA PLAN
 AP1.1
 FOR BLUEPRINT LABELING ONLY
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 PLOT STAMP: 9/11/2024 12:12:35 PM



PRK

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MENLO PARK FIRE STATION NO. 01 & TRAINING TOWER

300 MIDDLEFIELD ROAD
 MENLO PARK, CA 94025

GENT LODG

KEY PLAN

NORTH

PLAN

TITLE

CLIENT

MENLO PARK FIRE PROTECTION DISTRICT

DATE: 08/30/2024 PROJECT NUMBER: 220532

DRAWING HISTORY

No.	Description	Date

PLANNING DEPARTMENT SUBMITTAL

BUILDING NUMBER

AREA PLAN

30' 15' 0' 30' 60'

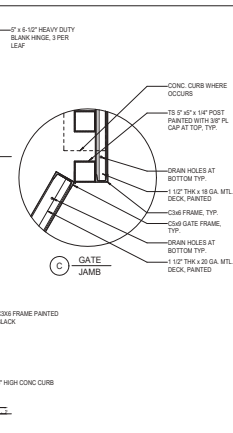
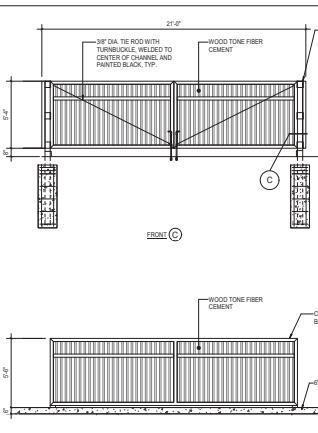
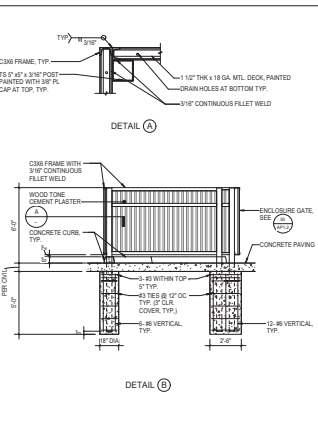
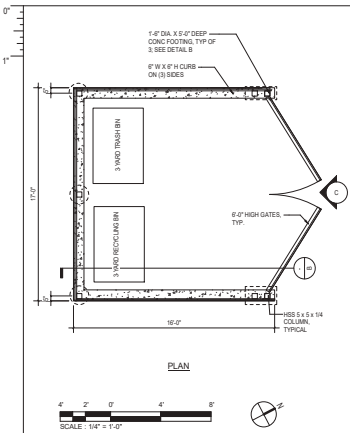
SCALE: 1" = 30'-0"

AREA PLAN

1" = 30'-0"

1

AP1.1



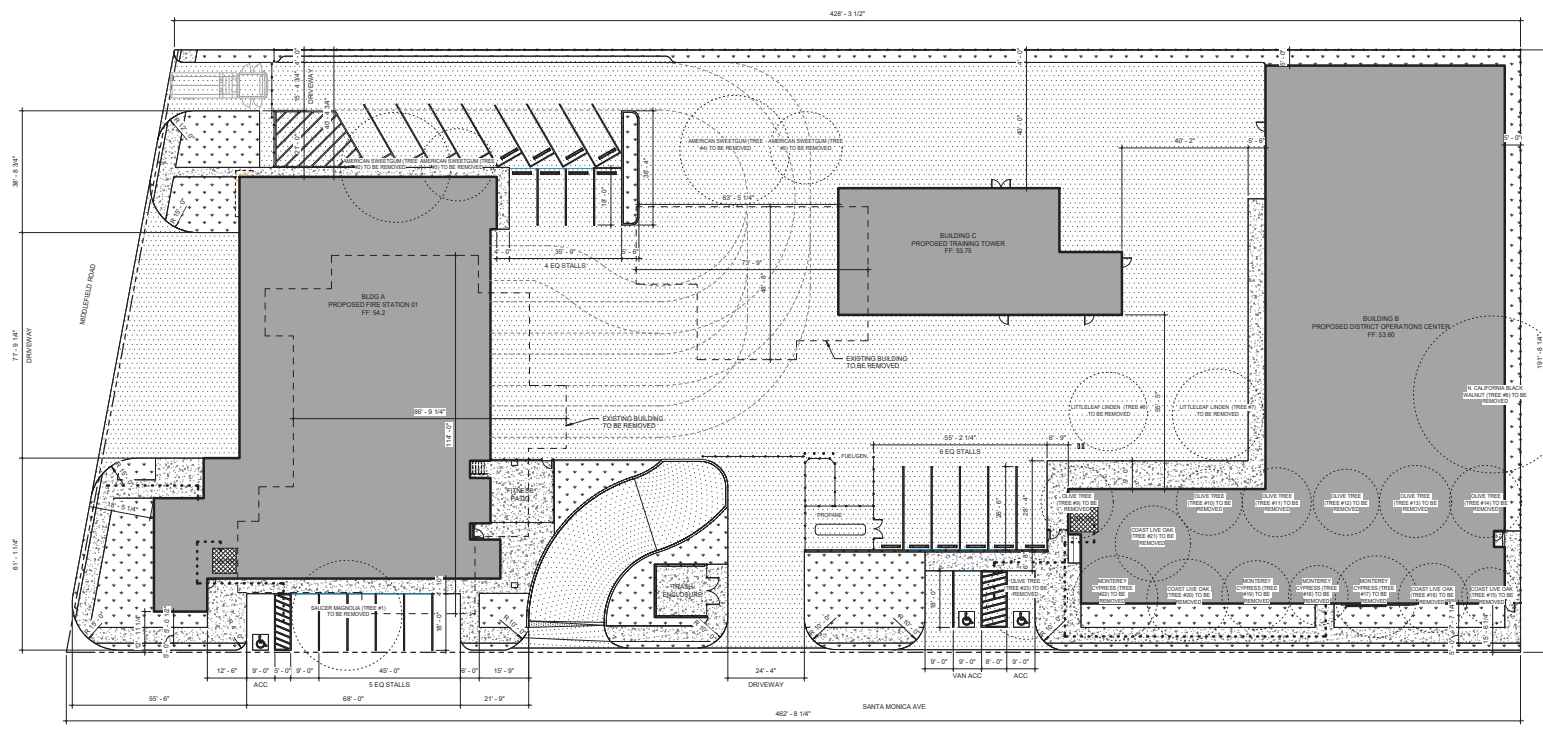
SITE ANALYSIS
LOT AREA = 85,271.4 SF = 1.958 ACRES
FAR: 82.624 / 85,271.43 SF = 0.980 + 1.7
BUILDING COVERAGE: 29,503.8 / 85,274.4 = 34.4%
PAVED AREAS: 48,876.1 / 85,271.43 = 58.1%
LANDSCAPE AREAS: 7,751.7 / 85,271.43 = 9.1%
PARKING STALLS:
UNCOVERED = 0
COVERED = 32 (3 VAN ACCESSIBLE STALL)
ACCESSIBLE STALLS = 3 (1 VAN ACCESSIBLE STALL)
UNDERGROUND PARKING LOT:
PARKING STALLS:
UNCOVERED = 0
COVERED = 79
ACCESSIBLE STALLS = 3 (1 VAN ACCESSIBLE STALL)
PAVED AREA = 36,781.6 SF
TOTAL PARKING STALLS = 97 ST

LEGEND

- PROPOSED NEW FENCELINE. SEE D
- CONCRETE
- ASPHALT
- LANDSCAPE

TRASH ENCLOSURE 1/4" = 1'-0" 3

FENCING 1/4" = 1'-0" 2



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MENLO PARK FIRE STATION NO. 01 & TRAINING TOWER

300 MIDDLEFIELD ROAD
MENLO PARK, CALIFORNIA

CLIENT LOGO

KEY PLAN
NORTH PLAN TRUE

DISCIPLINE

No.	Description	Date

PLANNING DEPARTMENT SUBMITTAL
BUILDING NUMBER

SITE PLAN

AP1.2

UNDERGROUND SITE ANALYSIS

PARKING STALLS:	0
UNCOVERED:	0
COVERED:	75
ACCESSIBLE STALLS:	3 (1 VAN ACCESSIBLE STALL)
PAVED AREA:	36,761.6 SF



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MENLO PARK FIRE STATION NO. 01 & TRAINING TOWER

300 MIDDEL FELD ROAD
 MENLO PARK, CA 94025

CLIENT LOGO:

KEY PLAN

DISCIPLINE

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CLIENT: MENLO PARK FIRE PROTECTION DISTRICT

DATE: 08/30/2024	PROJECT NUMBER: 220532
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DRAWING HISTORY

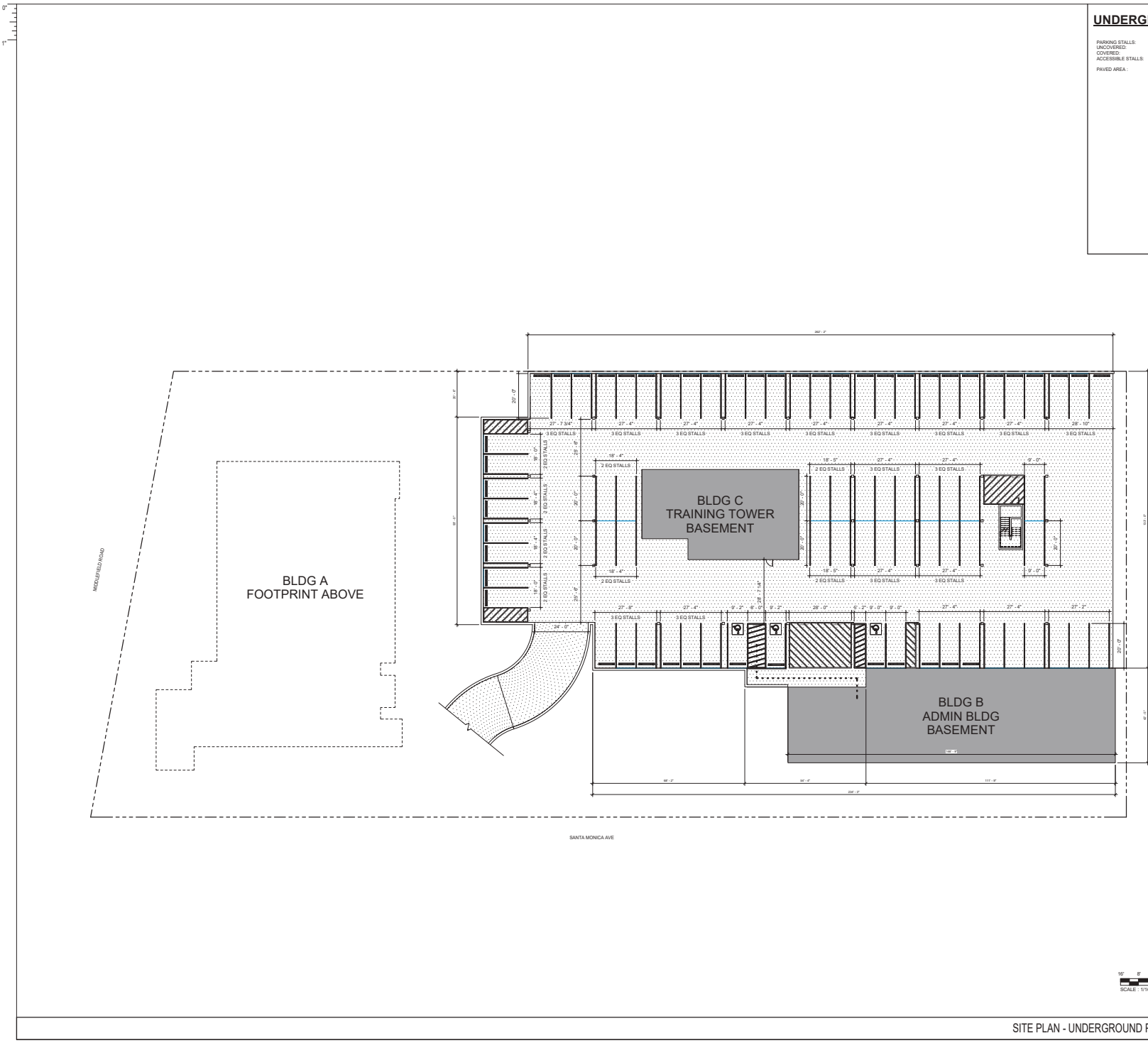
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PLANNING DEPARTMENT SUBMITTAL

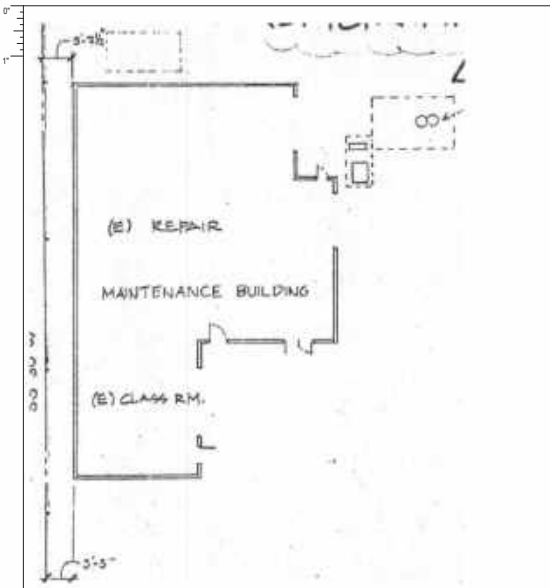
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SITE PLAN - UNDERGROUND PARKING GARAGE

A1.2



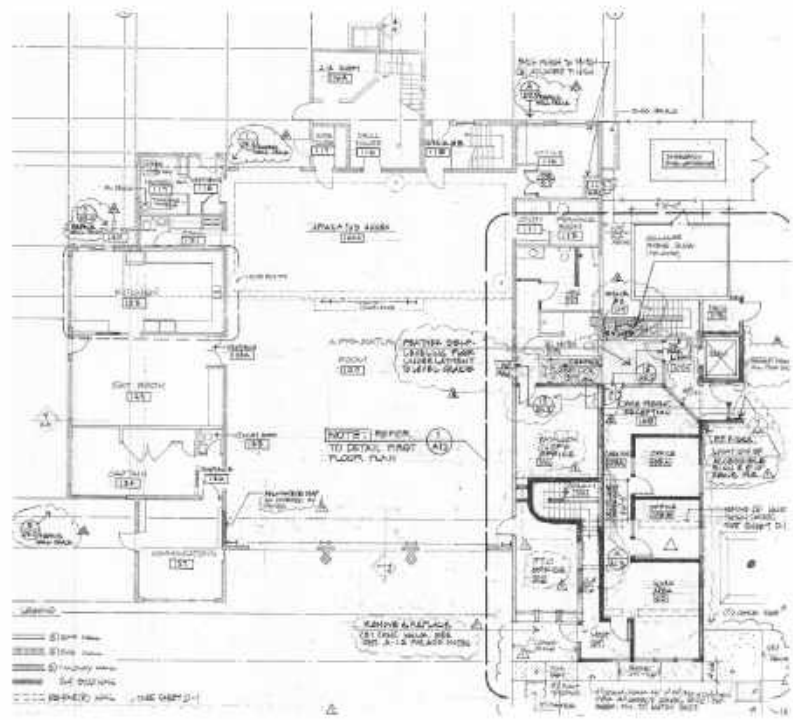
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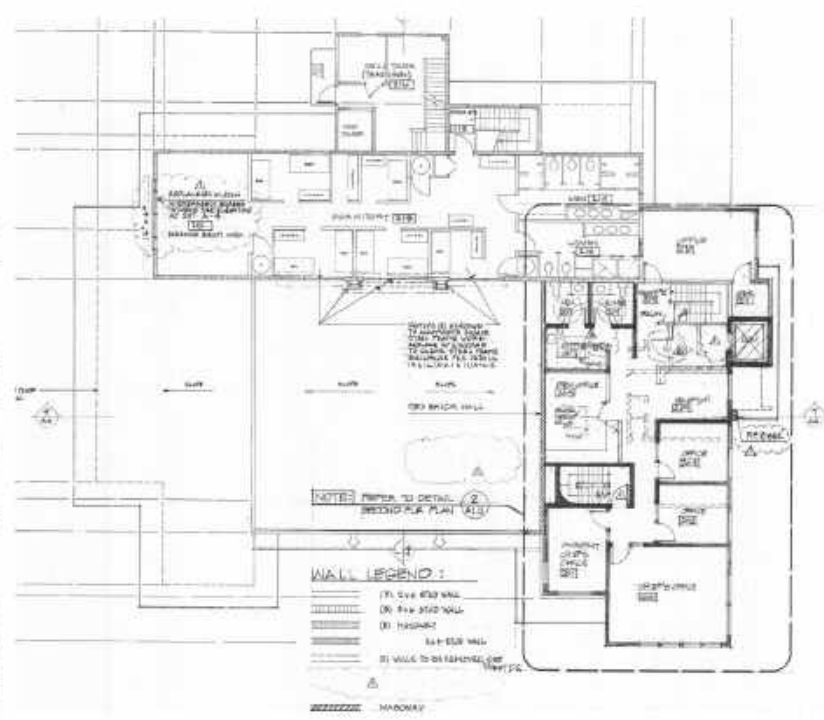
EXISTING MAINTENANCE BLDG FIRST FLOOR PLAN 1" = 10'



EXISTING FS TRAINING TOWER BLDG FLOOR PLANS 1" = 10'



EXISTING FIRE STATION FIRST FLOOR PLAN 1" = 10'



EXISTING FIRE STATION SECOND FLOOR PLAN 1" = 10'

EXISTING PROJECT DATA

LOT SIZE:	85,343.7 SF
TOTAL BUILDING AREA:	23,781.5 SF
LOT COVERAGE:	13.4%
ZONING:	R-1-S
BUILDING OCCUPANCY:	B-2
CONSTRUCTION TYP:	VN
MAINTENANCE BUILDING:	3,306 SF
FIRE STATION-BASEMENT:	984
1ST FLOOR:	11,167.3
2ND FLOOR:	6,374.5
3RD FLOOR:	650
4TH FLOOR:	650
5TH FLOOR:	650
TOTAL:	20,475 SF

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MENLO PARK FIRE STATION NO. 01 & TRAINING TOWER

300 MADOLE FIELD ROAD
MENLO PARK, CA 94025

CLIENT LOGO

KEY PLAN

LEGEND

CLIENT

MENLO PARK FIRE PROTECTION DISTRICT

DATE: 08/30/2024 PROJECT NUMBER: 220532

No.	Description	Date

PLANNING DEPARTMENT SUBMITTAL

BUILDING NUMBER

EXISTING SITE

AP2.0

EXISTING SITE
 AP2.1
 FOR BLUEBAM LABEL IN BOOK
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EXISTING MENLO PARK FIRE STATION NO. 01 TO BE DEMOLISHED - SANTA MONICA ROAD ELEVATION (EAST SIDE)



EXISTING MENLO PARK FIRE STATION NO. 01 TO BE DEMOLISHED - MIDDLEFIELD ROAD ELEVATION (FRONT)



EXISTING MENLO PARK FIRE STATION NO. 01 TO BE DEMOLISHED - ELEVATION (REAR)



EXISTING MENLO PARK MAINTENANCE BLDG TO BE DEMOLISHED - SANTA MONICA ROAD ELEVATION (EAST SIDE)



EXISTING MENLO PARK MAINTENANCE BLDG TO BE DEMOLISHED - ELEVATION (NORTH SIDE)

EXISTING MENLO PARK FIRE STATION NO. 01 & MAINTENANCE BUILDING TO BE DEMOLISHED - MIDDLEFIELD ROAD ELEVATION (EAST SIDE)



EXISTING MENLO PARK FIRE STATION NO. 01 & MAINTENANCE BUILDING TO BE DEMOLISHED - SANTA MONICA ROAD ELEVATION (EAST SIDE)



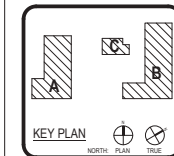
ARCHITECT: SAN LUIS OBISPO, 1327 AVENUE B, SUITE 110, SAN LUIS OBISPO, CA 95051, 805-325-3078 F, 805-325-3078 F

PRK, INC.

MENLO PARK FIRE STATION NO. 01 & TRAINING TOWER

300 MIDDLEFIELD ROAD, MENLO PARK, CA 94025

CLIENT LOGO: MENLO PARK FIRE DISTRICT



CLIENT: MENLO PARK FIRE PROTECTION DISTRICT

DIST: 031 PROJECT NUMBER: 220532

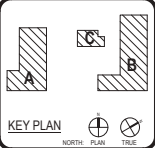
DATE: 08/30/2024

DRAWING HISTORY:

No.	Description	Date

PLANNING DEPARTMENT SUBMITTAL
 BUILDING NUMBER

EXISTING SITE



CLIENT

MENLO PARK FIRE PROTECTION DISTRICT

DATE: 08/30/2024 PROJECT NUMBER: 230332

DRAWING HISTORY

No.	Description	Date

PLANNING DEPARTMENT SUBMITTAL
 BUILDING NUMBER

PERSPECTIVE RENDERINGS

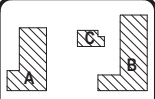


AERIAL VIEW



WEST VIEW FROM MIDDLEFIELD ROAD





DRAWING HISTORY

No.	Description	Date



VIEW OF FIRE STATION FROM MIDDLEFIELD ROAD



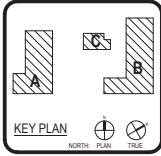
METAL PANEL



FIBRE CEMENT PANELS



VIEW OF TRAINING TOWER AND DISTRICT OPERATION CENTER FROM SANTA MONICA AVE



CLIENT: MENLO PARK FIRE PROTECTION DISTRICT
 DATE: 08/30/2024 PROJECT NUMBER: 230332

DRAWING HISTORY

No.	Description	Date

PLANNING DEPARTMENT SUBMITTAL
 BUILDING NUMBER

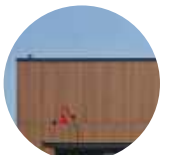
PERSPECTIVE RENDERINGS



VIEW FROM SANTA MONICA AVE OF DISTRICT OPERATIONS CENTER



METAL PANEL



FIBRE CEMENT PANELS



NORTH-EAST VIEW FROM MIDDLEFIELD ROAD

PERSPECTIVE RENDERINGS
 AP5.2
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BUILDING SIGNAGE
 FROM BUREAU LABELING GUIDE
 04-23
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 PLOT STAMP: 9/11/2024 12:12:42 PM

9'



FIREFIGHTER MEDALLION, 9" X 9"
 HIGH ALUMINUM LETTERS, FONT
 ARIAL, COLOR: TO MATCH IMAGE,
 AREA: 48 SF

FIREFIGHTER'S MEDALLION AT MIDDLEFIELD AVE

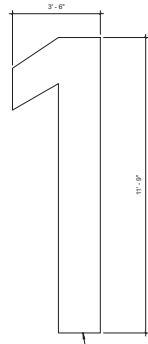
42'-2"

2'-0"

MENLO PARK FIRE STATION NO. 1

24" HIGH ALUMINUM
 LETTERS, FONT: ARIAL,
 COLOR: WHITE, AREA: 36 SF

FIRE STATION SIGN AT MIDDLEFIELD AVE



ALUMINUM LETTER WITH LED WHITE
 LIGHT, FONT: ARIAL, COLOR: BRONZE
 TRIM, AREA: 23 SF

LED FIRE STATION SIGN AT MIDDLEFIELD AVE

MENLO PARK FIRE PROTECTION DISTRICT
 ADMINISTRATION BUILDING

8" HIGH ALUMINUM LETTERS,
 FONT: ARIAL, COLOR: RED,
 AREA: 10 SF

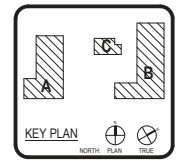
BUILDING B SIGN AT WEST FACADE

SIGN AREA SUMMARY	
FIREFIGHTER'S MEDALLION AT MIDDLEFIELD AVE	48 SF
FIRE STATION SIGN AT MIDDLEFIELD AVE	36 SF
LED FIRE STATION SIGN AT MIDDLEFIELD AVE	23 SF
BUILDING B SIGNAGE	10 SF
TOTAL	117 SF



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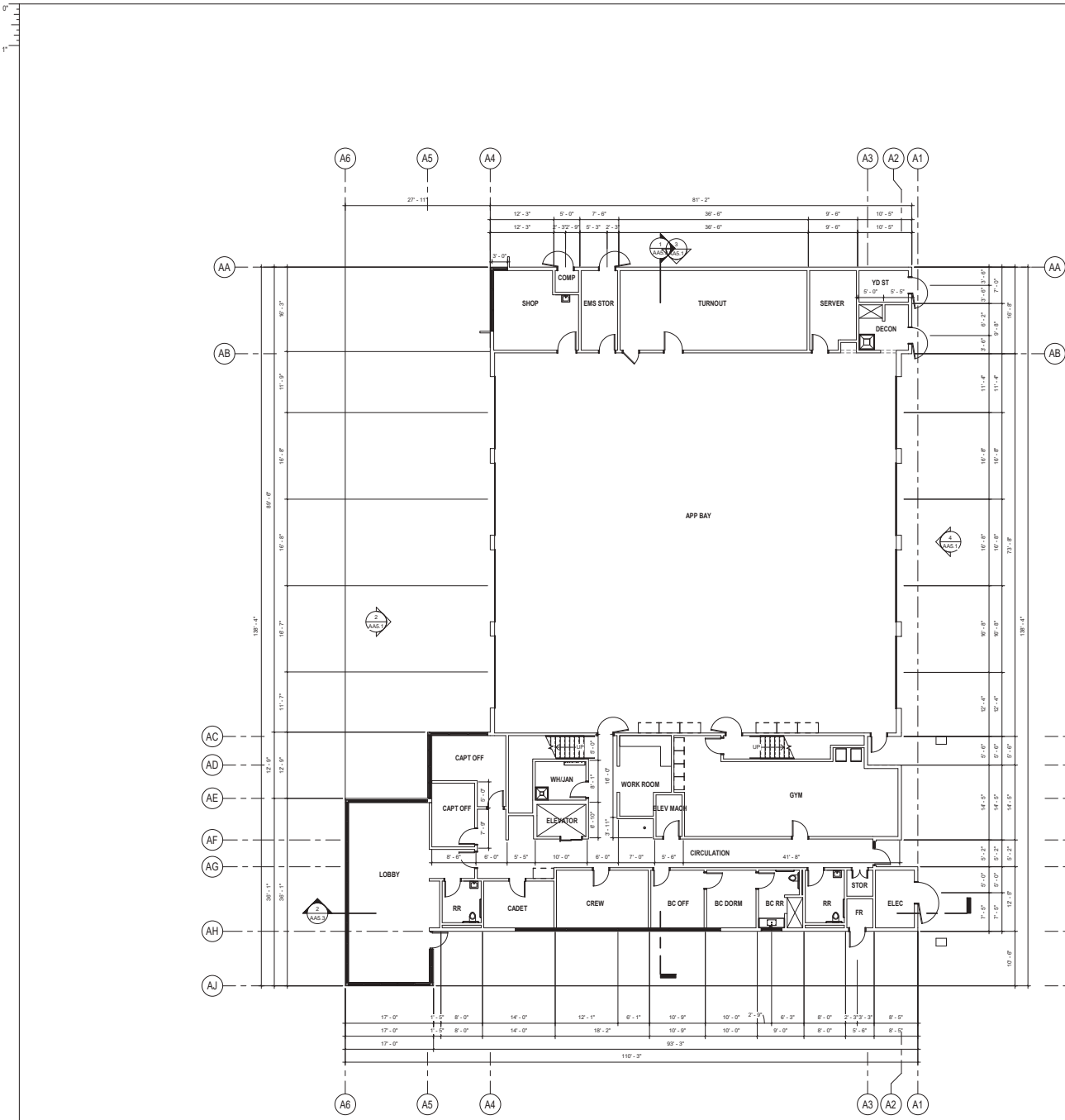
MENLO PARK FIRE STATION NO. 01 & TRAINING TOWER
 300 MIDDLEFIELD ROAD
 MENLO PARK, CA 94025



CLIENT		
MENLO PARK FIRE PROTECTION DISTRICT	DATE	PROJECT NUMBER
	08/30/2024	220532
DRAWING HISTORY		
No.	Description	Date

PLANNING DEPARTMENT SUBMITTAL
 BUILDING NUMBER
BUILDING SIGNAGE

AP5.0



REFERENCE NOTES

KEYNOTE	DESCRIPTION

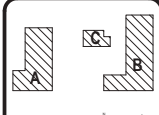


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 805-325-3078 F

MENLO PARK FIRE STATION NO. 01 & TRAINING TOWER

300 MIDDLEFIELD ROAD
 MENLO PARK, CA 94025

GENT LODG



KEY PLAN
 NORTH PLAN TRUE



CLIENT
 MENLO PARK FIRE PROTECTION DISTRICT

DRAWING HISTORY	
No.	Description

PLANNING DEPARTMENT SUBMITTAL
 BUILDING NUMBER

BLDG A - FIRST FLOOR PLAN

AA2.1

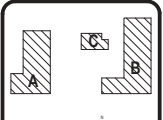


ARCHITECT PRK, INC.
 SAN LUIS OBISPO
 1327 Avenue B, Suite 110
 San Luis Obispo, CA 93401
 805-325-3078
 805-325-3078 F

MENLO PARK FIRE STATION NO. 01 & TRAINING TOWER

300 MIDDLEFIELD ROAD
 MENLO PARK, CA 94025

CLIENT LOGO



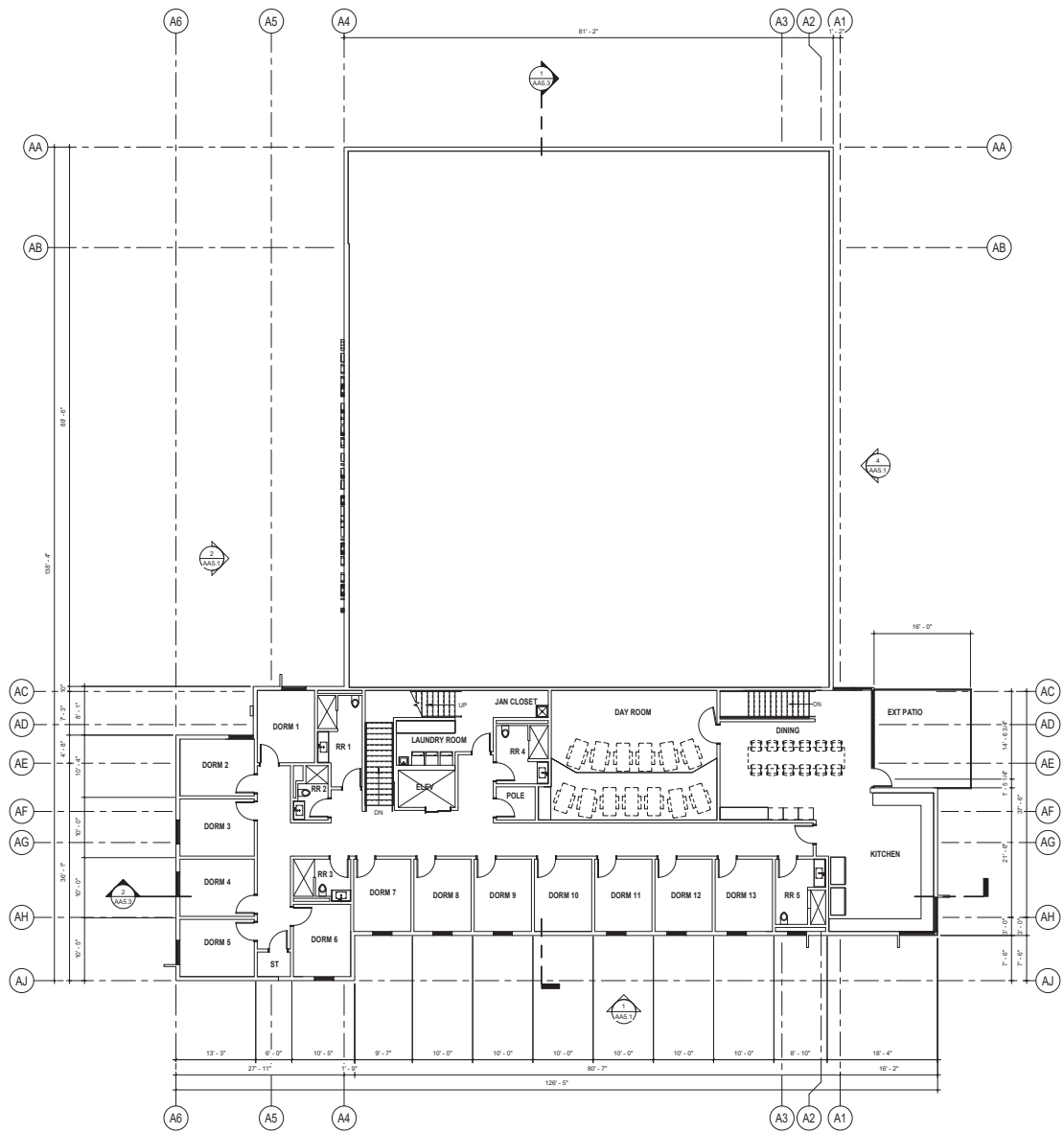
CLIENT: MENLO PARK FIRE PROTECTION DISTRICT
 031 PROJECT NUMBER: 220532
 08/30/2024
 DRAWING HISTORY

No.	Description	Date

PLANNING DEPARTMENT SUBMITTAL
 BUILDING NUMBER

BLDG A - SECOND FLOOR PLAN

AA2.2

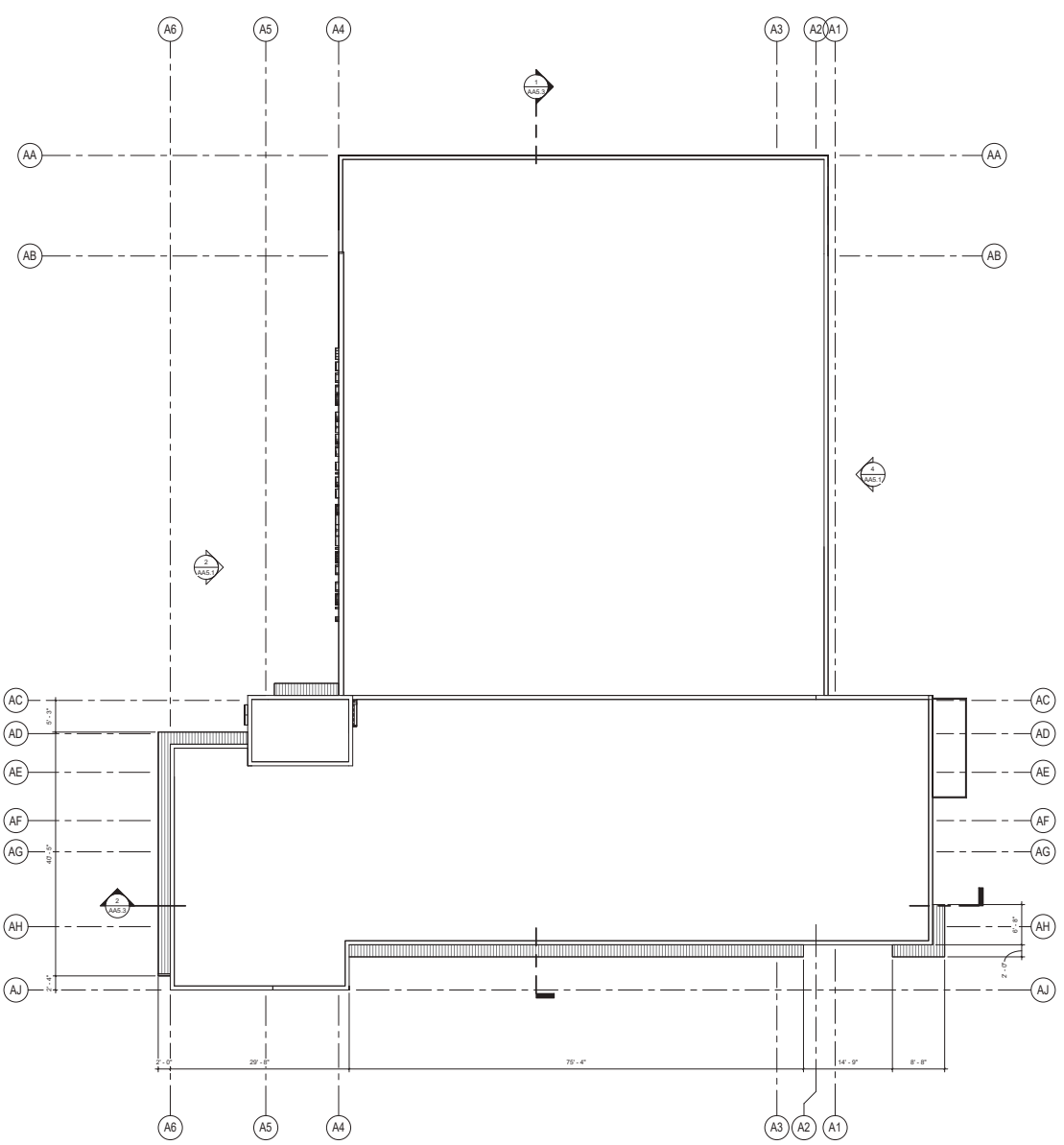


BLOOD - SECOND FLOOR PLAN
 AA2
 FOR BLUEPRINT LABELING ONLY

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CHECKED BY: Checker
 DRAWN BY: Author
 PLOT STAMP: 9/11/2024 12:12:20 PM

FOR BLUEPRINT LABEL IN DOOR



REFERENCE NOTES

KEYNOTE	DESCRIPTION




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1327 Arthur St, Suite 110
San Luis Obispo, CA 93401
805-325-3038 F
805-325-3038 F

MENLO PARK FIRE STATION NO. 01 & TRAINING TOWER

300 MIDDLEFIELD ROAD
MENLO PARK, CA 94025

CLIENT LOGO



KEY PLAN

NORTH PLAN TITLE

REVISIONS

No.	Description	Date

CLIENT
MENLO PARK FIRE PROTECTION DISTRICT

DATE: 08/30/2024	PROJECT NUMBER: 220532
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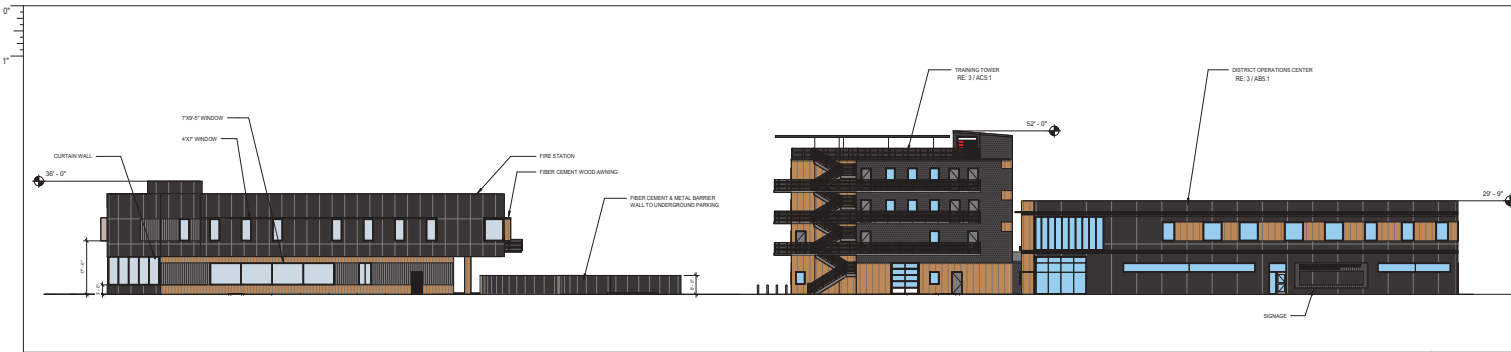
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PLANNING DEPARTMENT SUBMITTAL

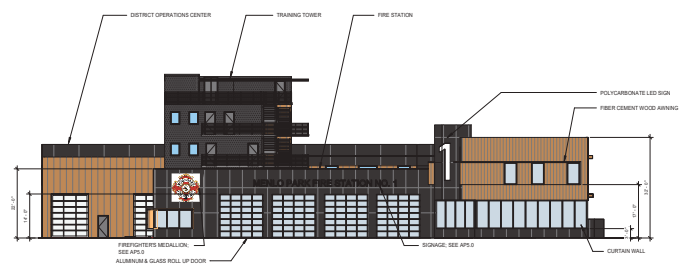
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BLDG A - ROOF PLAN

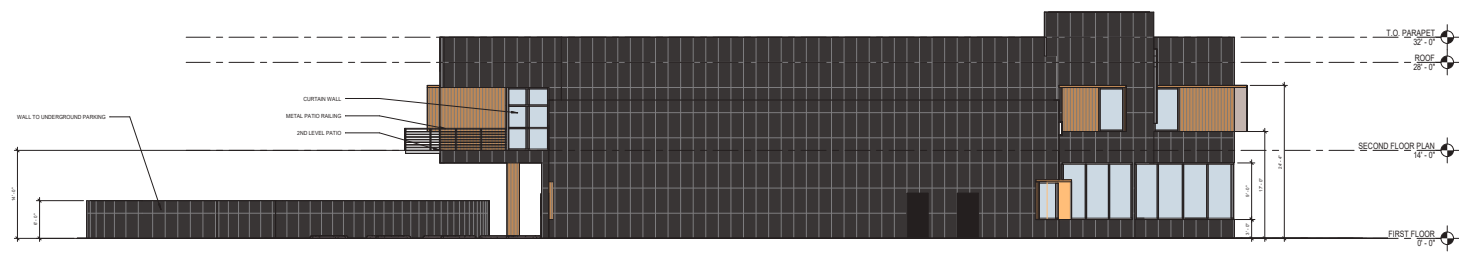
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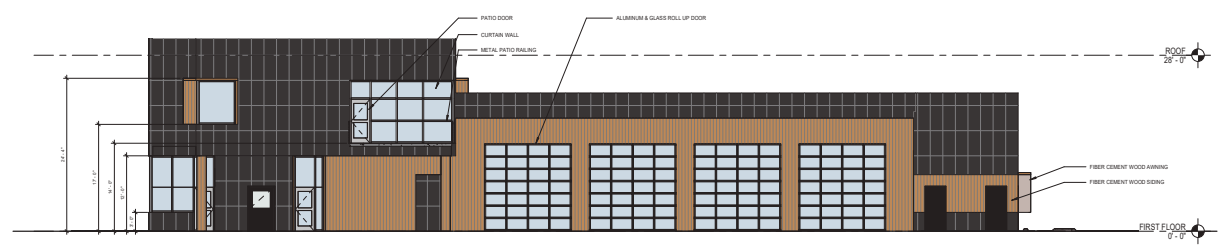
OVERALL EXTERIOR ELEVATION - VIEW FROM SANTA MONICA AVE 1/16" = 1'-0" 1



OVERALL EXTERIOR ELEVATION - VIEW FROM MIDDLEFIELD ROAD 1/16" = 1'-0" 2



BLDG A - EXTERIOR ELEVATION NORTH 1/8" = 1'-0" 3



BLDG A - EXTERIOR ELEVATION WEST 1/8" = 1'-0" 4

ELEVATION LEGEND

- BLACK METAL PANEL
- WOOD TONE FIBER CEMENT PLANK
- GLAZING
- BLACK CORRUGATED METAL
- BLACK CMU



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1327 Avila St. Suite 110
San Luis Obispo, CA 93401
805-343-8078
805-343-8078 F

MENLO PARK FIRE STATION NO. 01 & TRAINING TOWER

300 MIDDLEFIELD ROAD
MENLO PARK, CA 94025



CLIENT LOGO

KEY PLAN
NORTH PLAN TITLE

DISCIPLINE

--	--

CLIENT
MENLO PARK FIRE PROTECTION DISTRICT

No.	Description	Date

PLANNING DEPARTMENT SUBMITTAL
BUILDING NUMBER

BLDG A - EXTERIOR ELEVATIONS

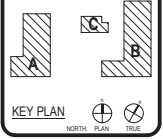
AA5.1



ARCHITECT SAN LUIS OBISPO PRK, INC.
 1827 Avila St. Suite 110
 San Luis Obispo, CA 93401
 805-325-3078 F

MENLO PARK FIRE STATION NO. 01 & TRAINING TOWER

CLIENT LOGO



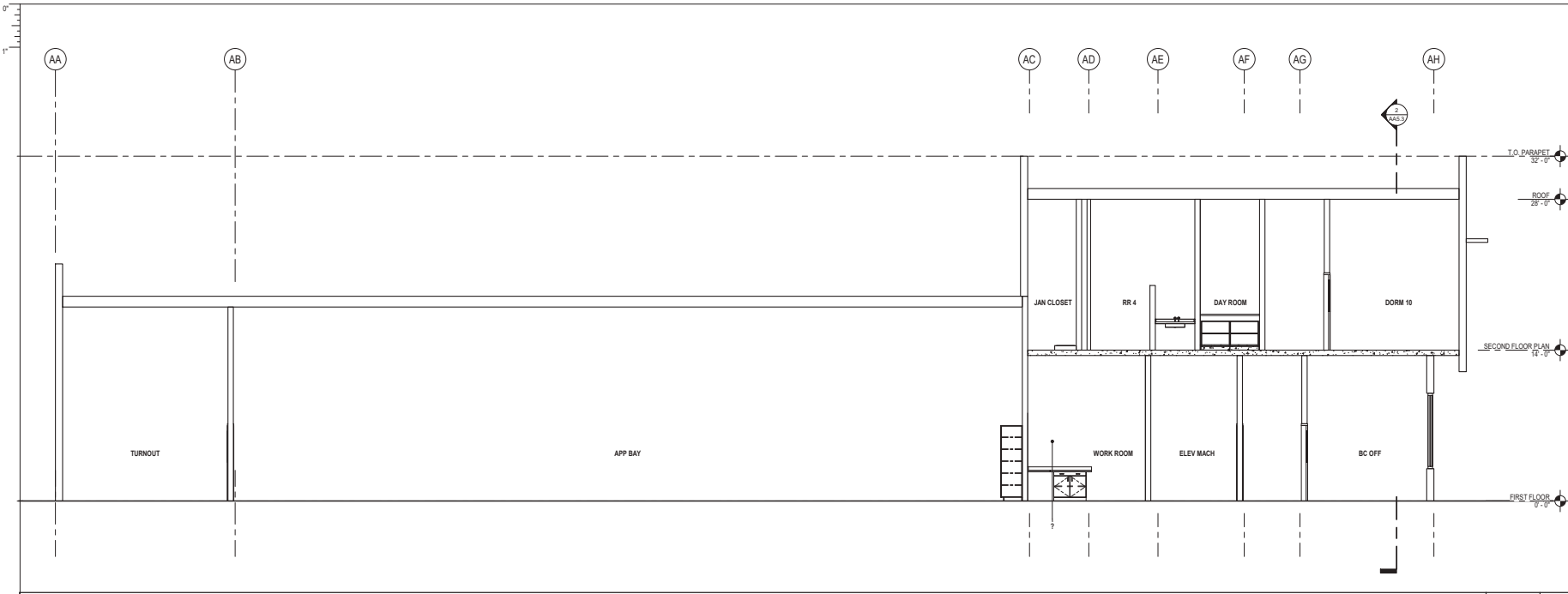
CLIENT: MENLO PARK FIRE PROTECTION DISTRICT
 DATE: 08/30/2024 PROJECT NUMBER: 220532
 DRAWING HISTORY

No.	Description	Date

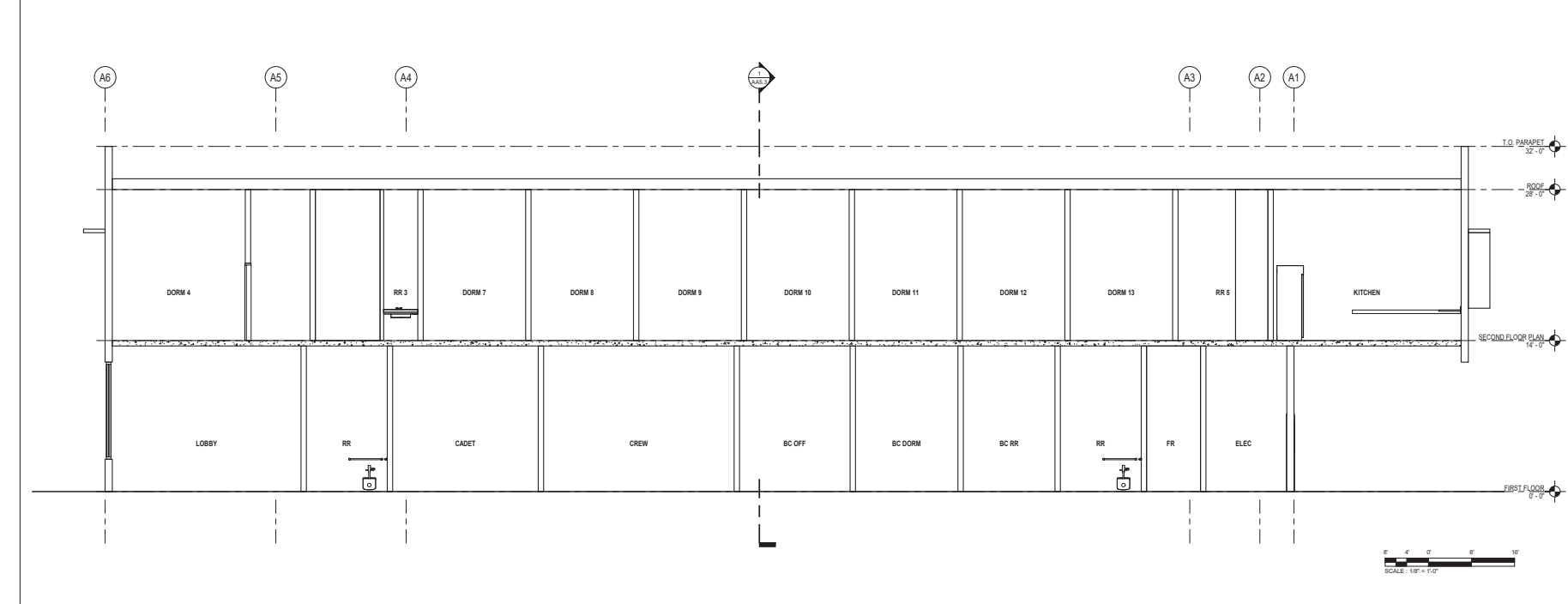
PLANNING DEPARTMENT SUBMITTAL
 BUILDING NUMBER

BLDG A - BUILDING SECTIONS

AA5.3



BLDG A BUILDING SECTION 1/4" = 1'-0" 1



BLDG A BUILDING SECTION 1/4" = 1'-0" 2



BLOOM - BUILDING SECTIONS
 AA.3
 FROM BLUEPRINT LABEL IN BOOK

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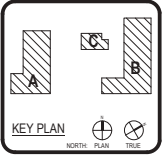


ARCHITECT PRK, INC.
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 805-325-3078
 805-325-3078 F

MENLO PARK FIRE STATION NO. 01 & TRAINING TOWER

300 MIDDLERFIELD ROAD
 MENLO PARK, CA 94025

GENT LODG



CLIENT
 MENLO PARK FIRE PROTECTION DISTRICT

DATE: 08/30/2024 PROJECT NUMBER: 220532

DRAWING HISTORY

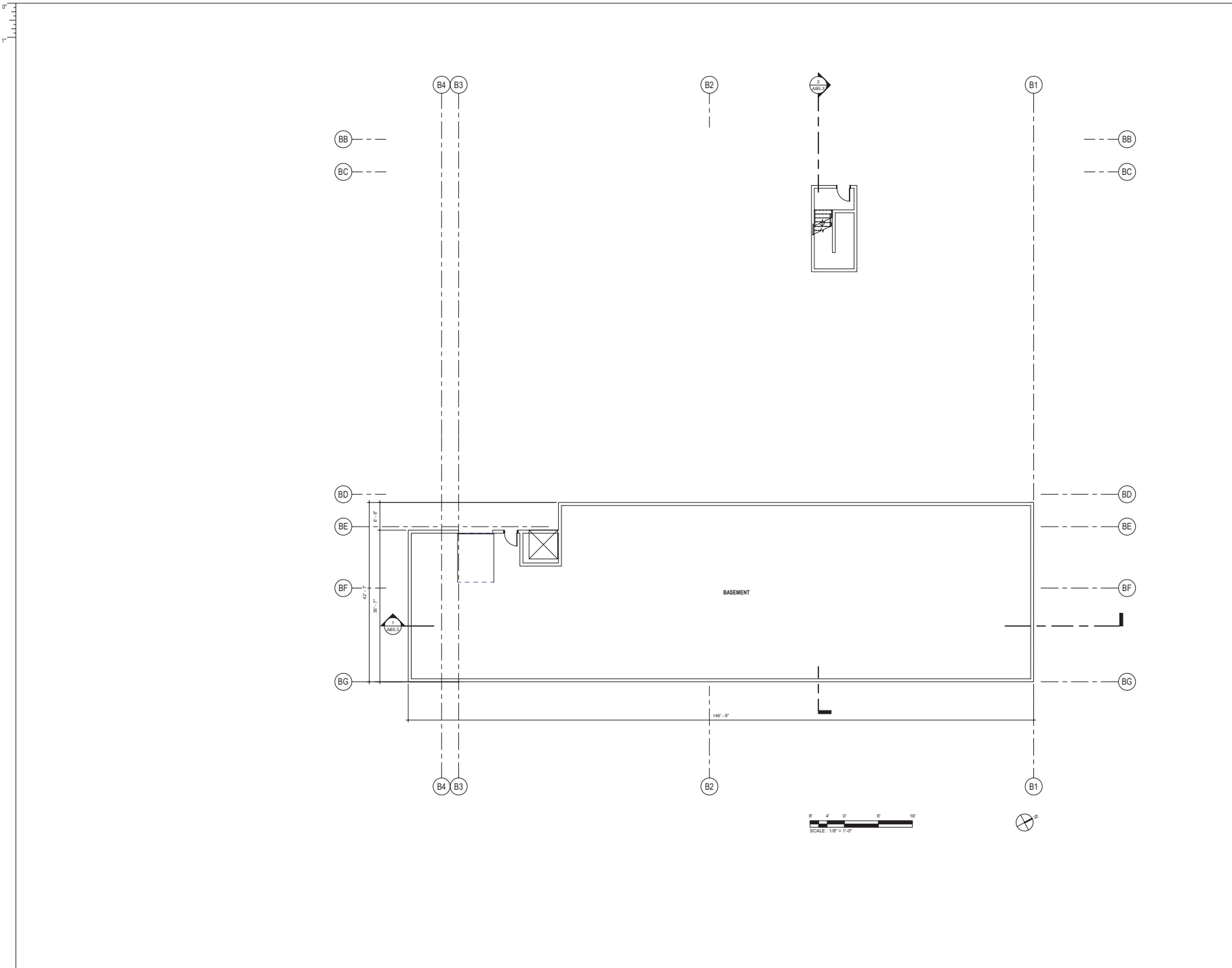
No.	Description	Date

PLANNING DEPARTMENT SUBMITTAL

BUILDING NUMBER

BLDG B - BASEMENT

AB2.0



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MENLO PARK FIRE STATION NO. 01 & TRAINING TOWER

GENT LODG



KEY PLAN

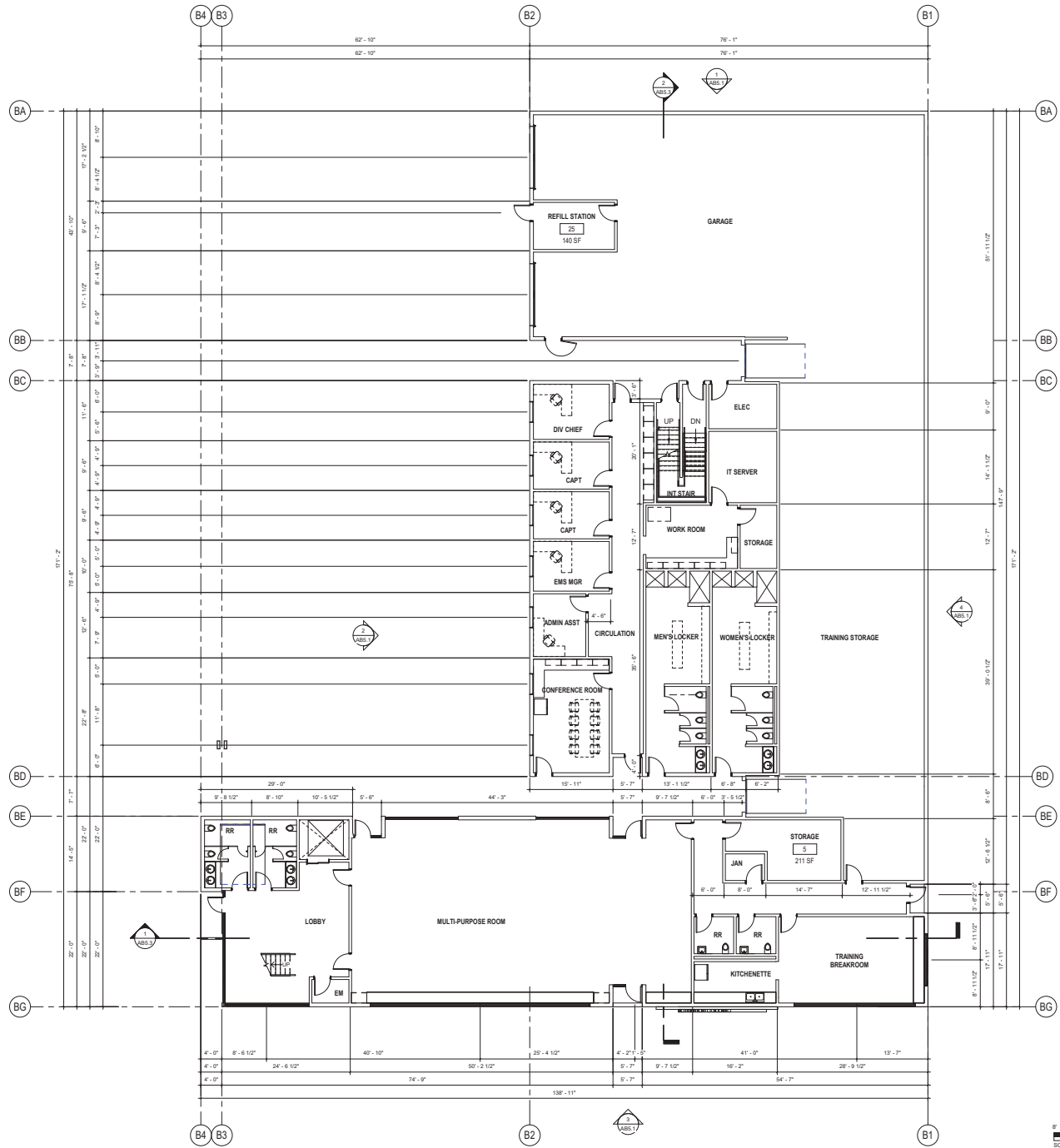


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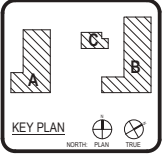
No.	Description	Date

PLANNING DEPARTMENT SUBMITTAL
 BUILDING NUMBER

BLDG B - FIRST FLOOR PLAN



BUILDING B FIRST FLOOR PLAN 1/8" = 1'-0" 1

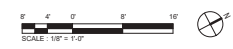
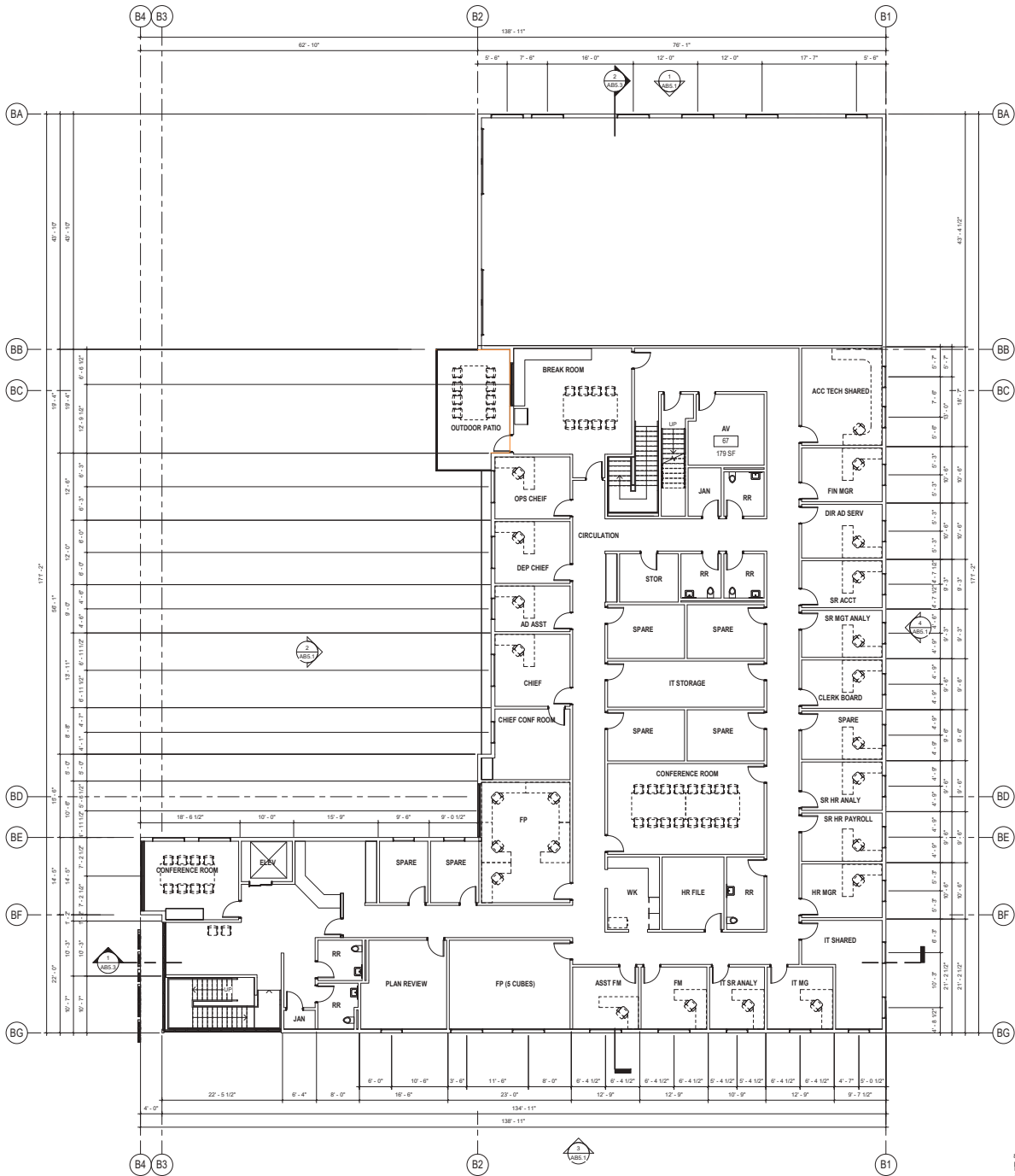


CLIENT
 MENLO PARK FIRE PROTECTION DISTRICT
 031
 08/30/2024 PROJECT NUMBER
 220532

DRAWING HISTORY		
No.	Description	Date

PLANNING DEPARTMENT SUBMITTAL
 BUILDING NUMBER

BLDG B - SECOND FLOOR PLAN





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MENLO PARK FIRE STATION NO. 01 & TRAINING TOWER

300 MIDDLEFIELD ROAD
 MENLO PARK, CA 94025

CLIENT LOGO



KEY PLAN



CLIENT

MENLO PARK FIRE PROTECTION DISTRICT

DATE: 08/30/2024 PROJECT NUMBER: 220532

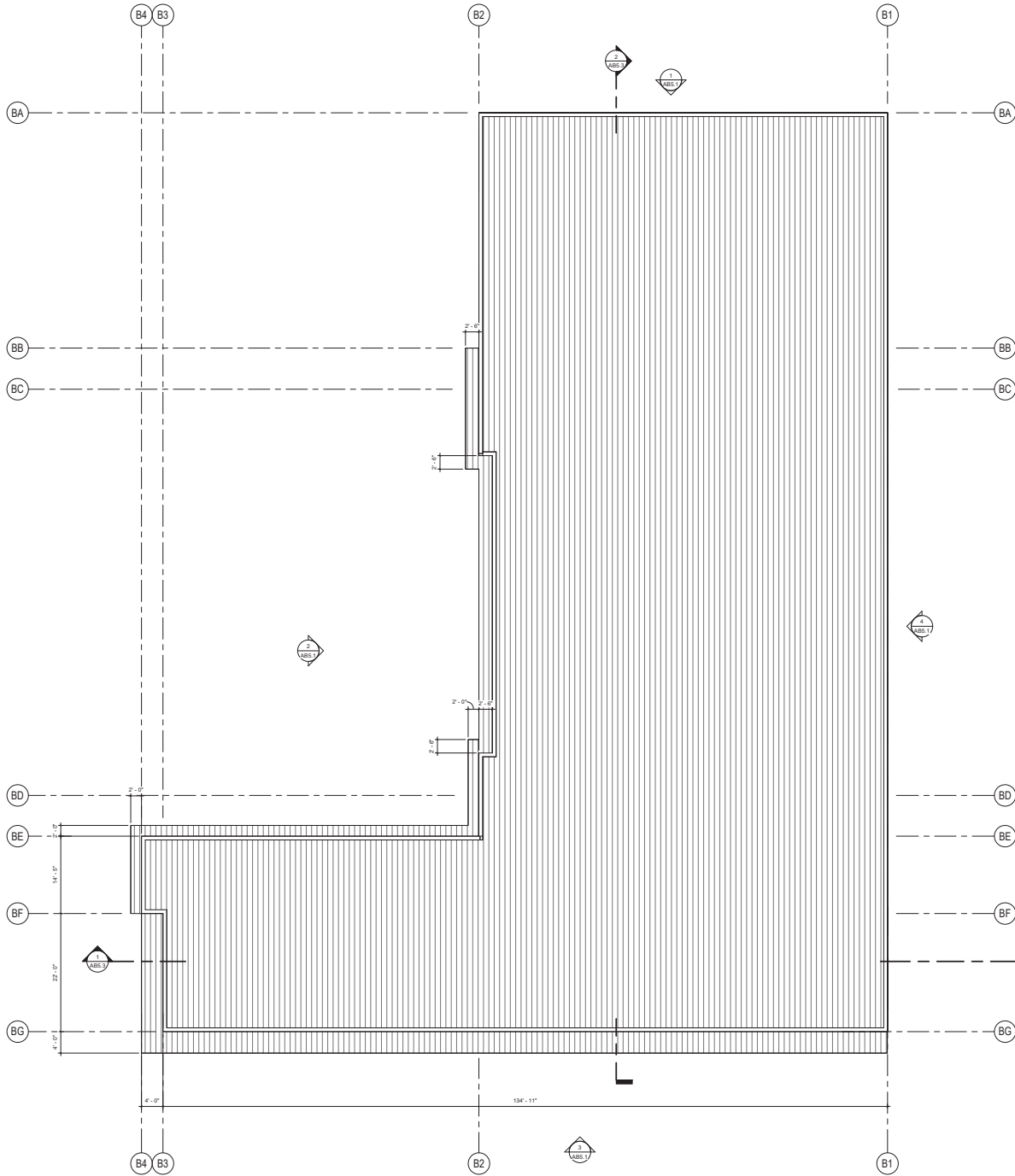
DRAWING HISTORY

No.	Description	Date

PLANNING DEPARTMENT SUBMITTAL
 BUILDING NUMBER

BLDG B - ROOF PLAN

AB4.1

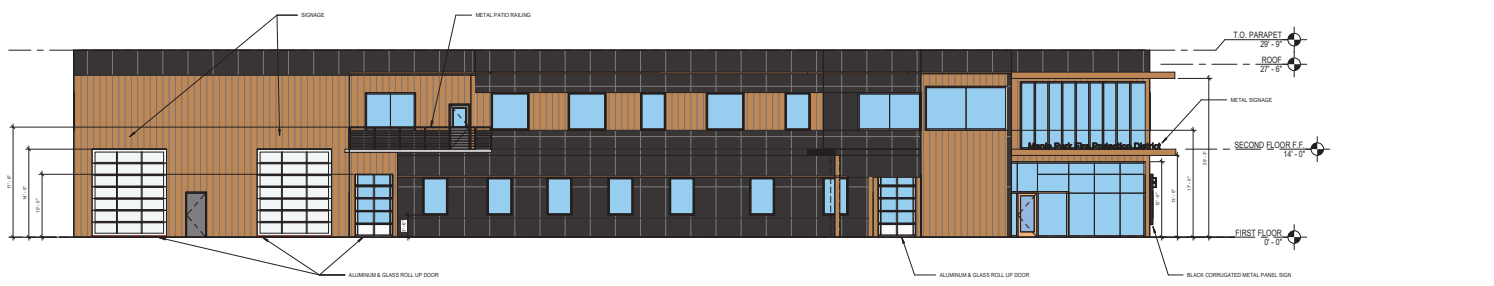


BLODB - ROOF PLAN
 AB4.1
 FOR BLUEBEAM LABEL IN DOOR

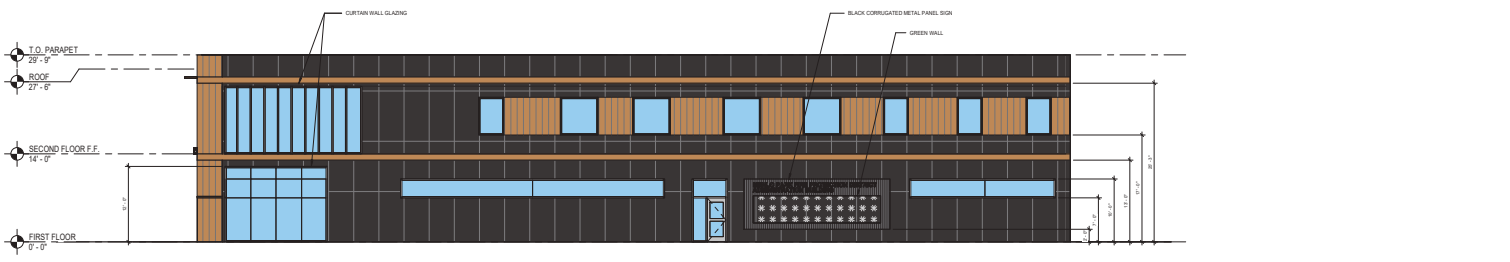
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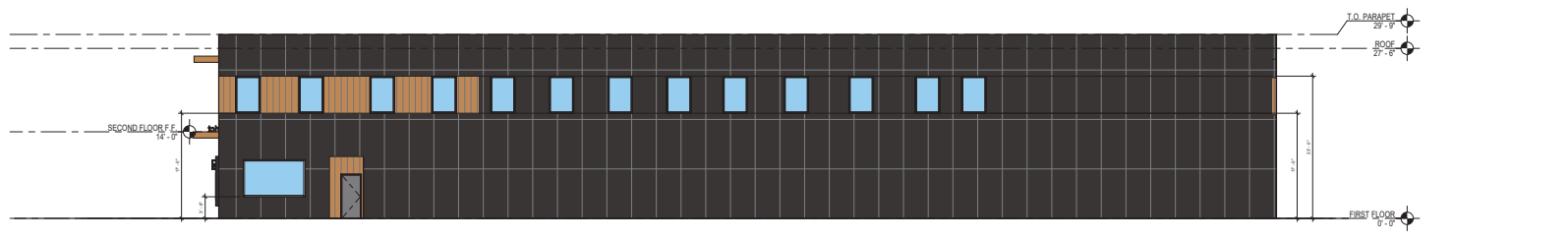
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BLDG B 0 EXTERIOR ELEVATION EAST 1/8" = 1'-0" 2



BLDG B - EXTERIOR ELEVATION SOUTH 1/8" = 1'-0" 3

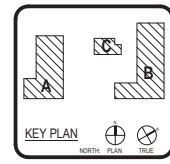


BLDG B - EXTERIOR ELEVATION WEST 1/8" = 1'-0" 4



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MENLO PARK FIRE STATION NO. 01 & TRAINING TOWER



DISCIPLINE

--	--

CLIENT

MENLO PARK FIRE PROTECTION DISTRICT

DATE: 08/30/2024 PROJECT NUMBER: 220532

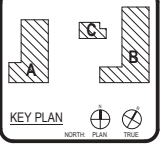
DRAWING HISTORY

No.	Description	Date

PLANNING DEPARTMENT SUBMITTAL
 BUILDING NUMBER

BLDG B - EXTERIOR ELEVATIONS

AB5.1



CLIENT
 MENLO PARK FIRE PROTECTION DISTRICT

DATE	PROJECT NUMBER
08/30/2024	220532

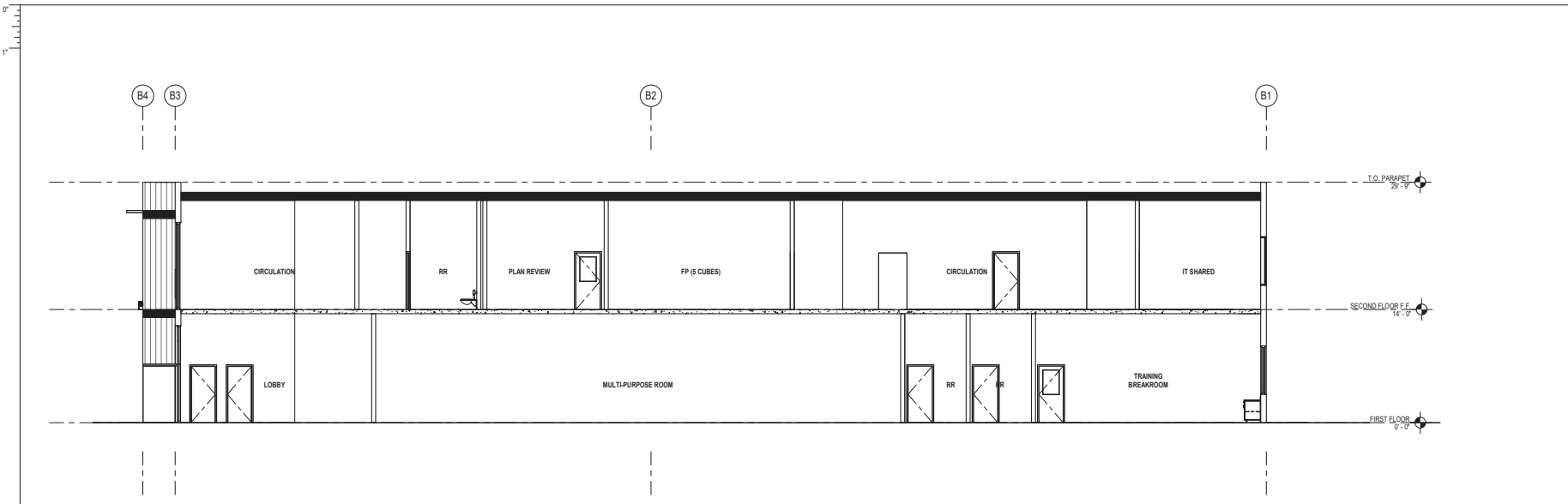
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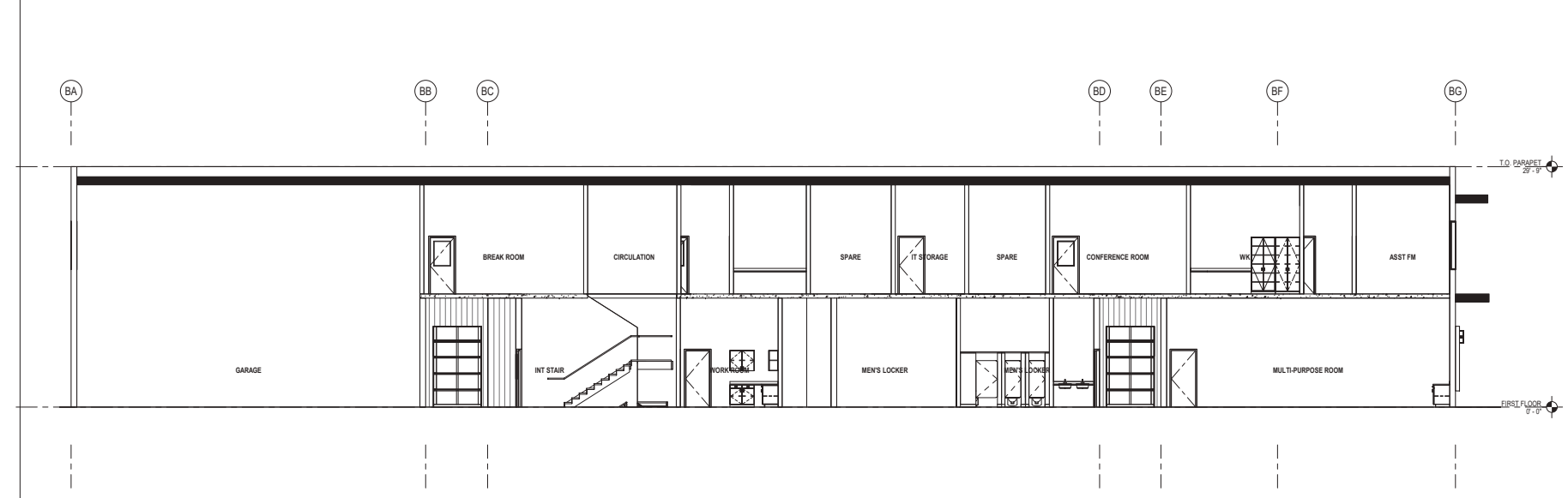
PLANNING DEPARTMENT SUBMITTAL
 BUILDING NUMBER

BLDG B - BUILDING SECTIONS

AB5.3



BLDG B - BUILDING SECTION 3/16" = 1'-0" 1



BLDG B - BUILDING SECTION 3/16" = 1'-0" 2

BLDG B - BUILDING SECTIONS
 RAS3
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 CHECKED BY: XX
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 PLOT STAMP: 9/11/2024 12:12:28 PM



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 805-329-3078
 805-329-3078 F

MENLO PARK FIRE STATION NO. 01 & TRAINING TOWER

300 MADOLEFIELD ROAD
 MENLO PARK, CA 94025

CLIENT LOGO



KEY PLAN



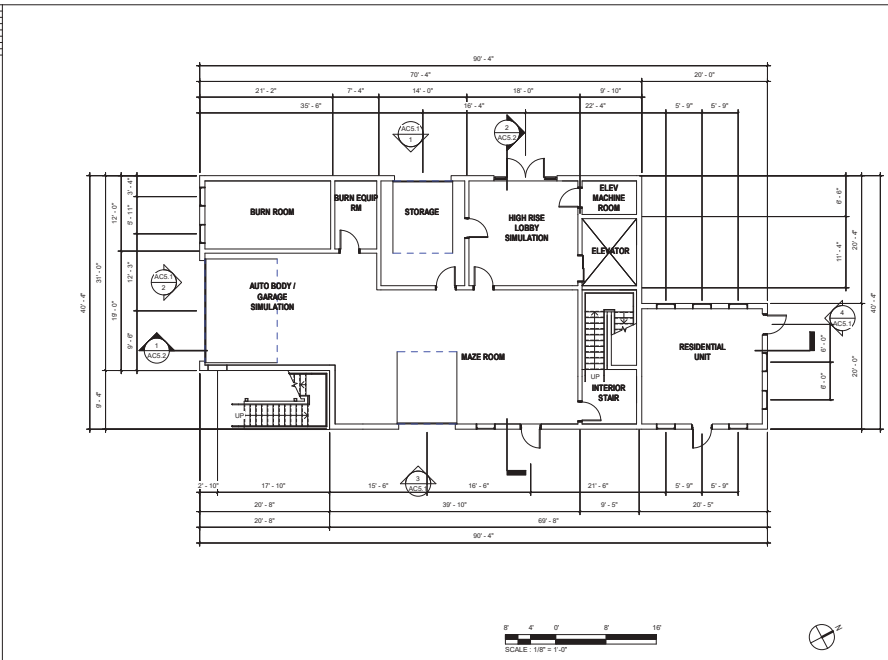
CLIENT: MENLO PARK FIRE PROTECTION DISTRICT
 DATE: 08/30/2024 PROJECT NUMBER: 220532
 DRAWING HISTORY

No.	Description	Date

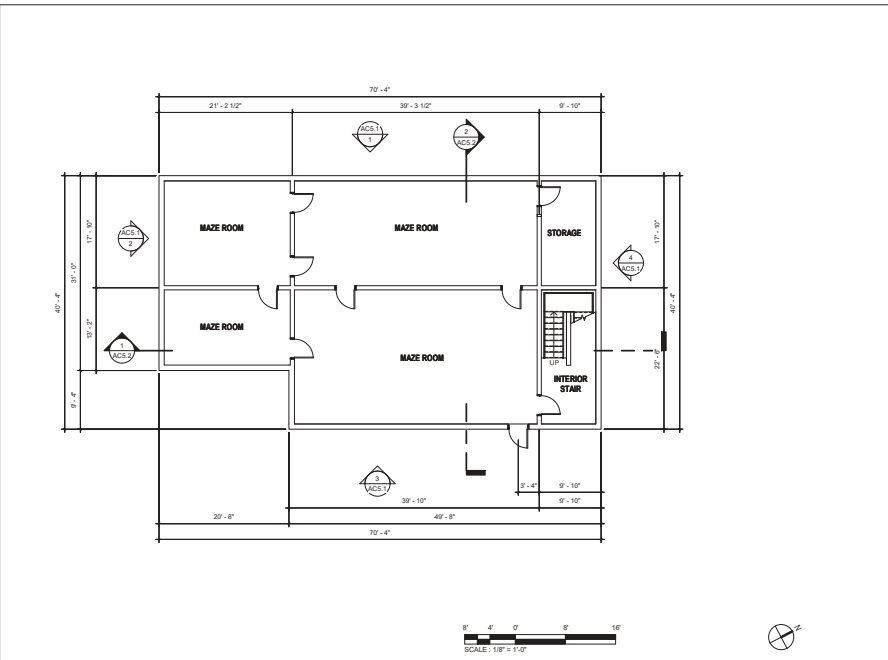
PLANNING DEPARTMENT SUBMITTAL
 BUILDING NUMBER

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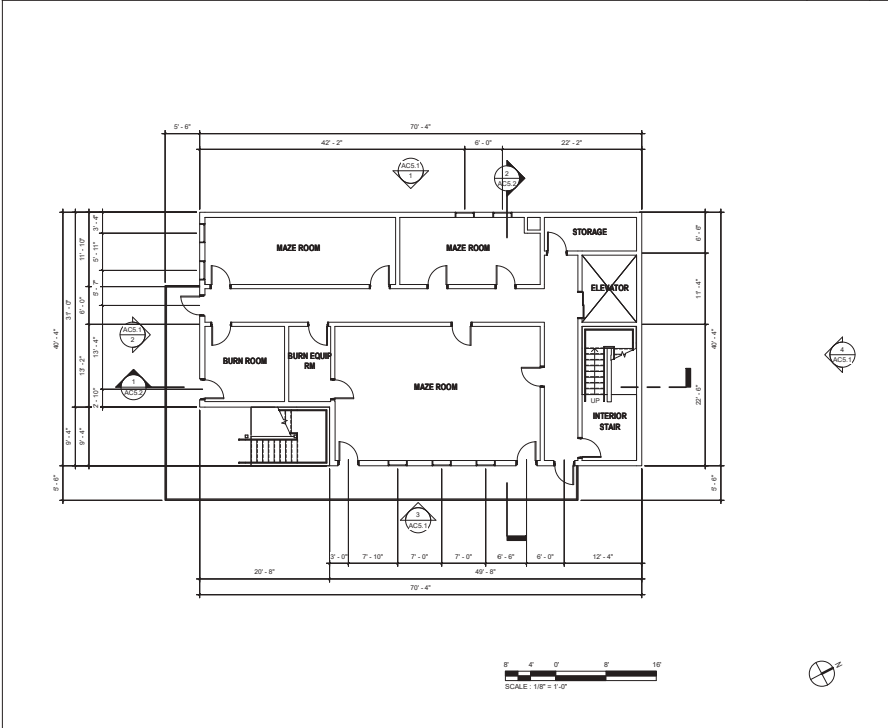
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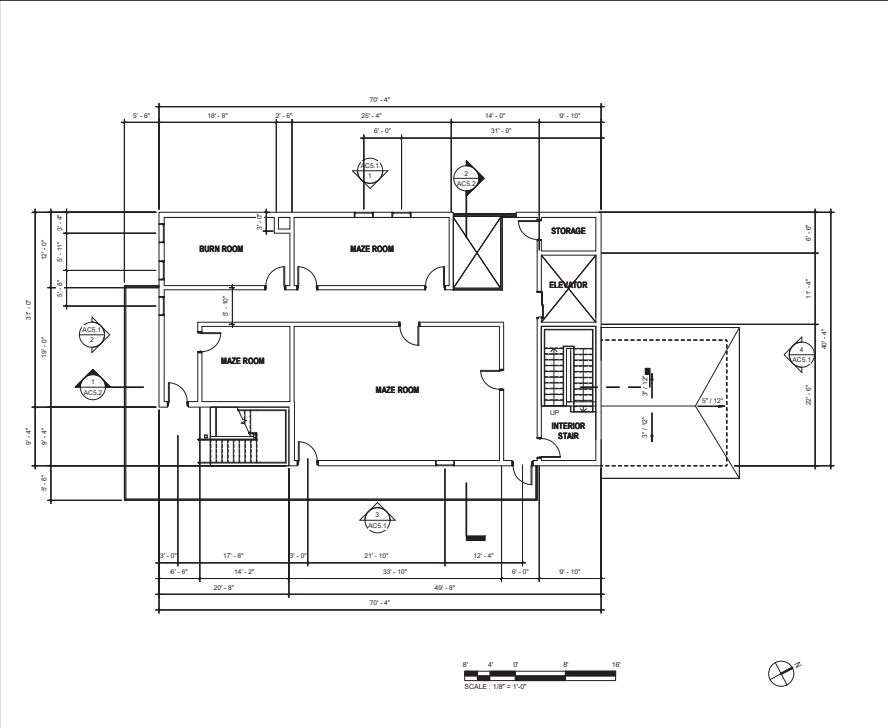
BUILDING C FIRST FLOOR PLAN 1/8" = 1'-0" 2



BUILDING C BASEMENT 1/8" = 1'-0" 1



BUILDING C THIRD FLOOR PLAN 1/8" = 1'-0" 4

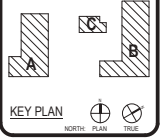


BUILDING C SECOND FLOOR PLAN 1/8" = 1'-0" 3

BLDG C - BASEMENT-3RD FLOOR
 FROM BLUEPRINT LABEL IN ROOM

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 DRAWN BY: ldenny
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CLIENT
 MENLO PARK FIRE PROTECTION DISTRICT

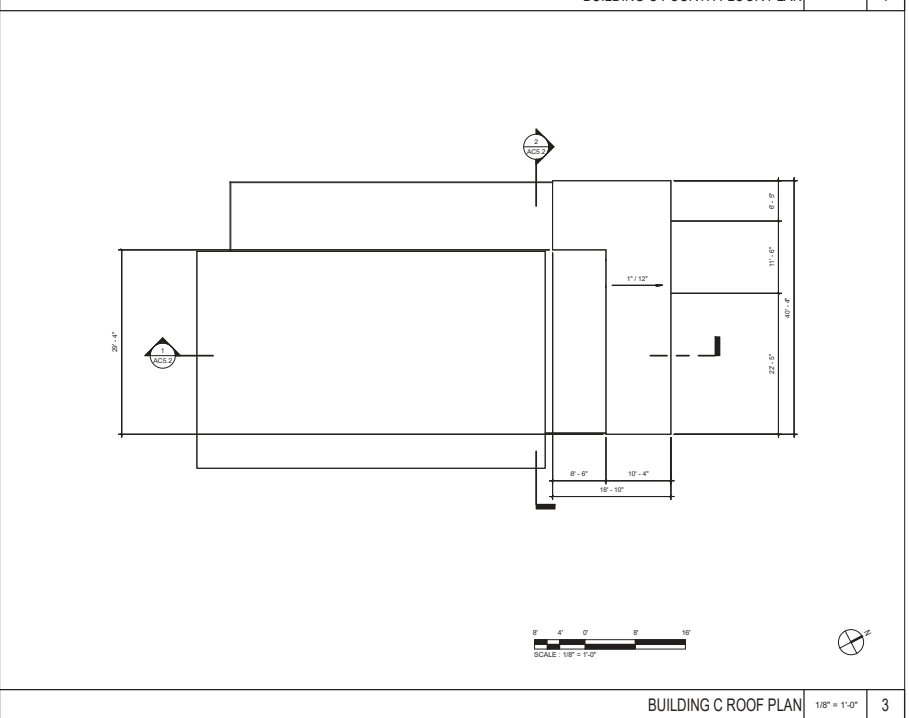
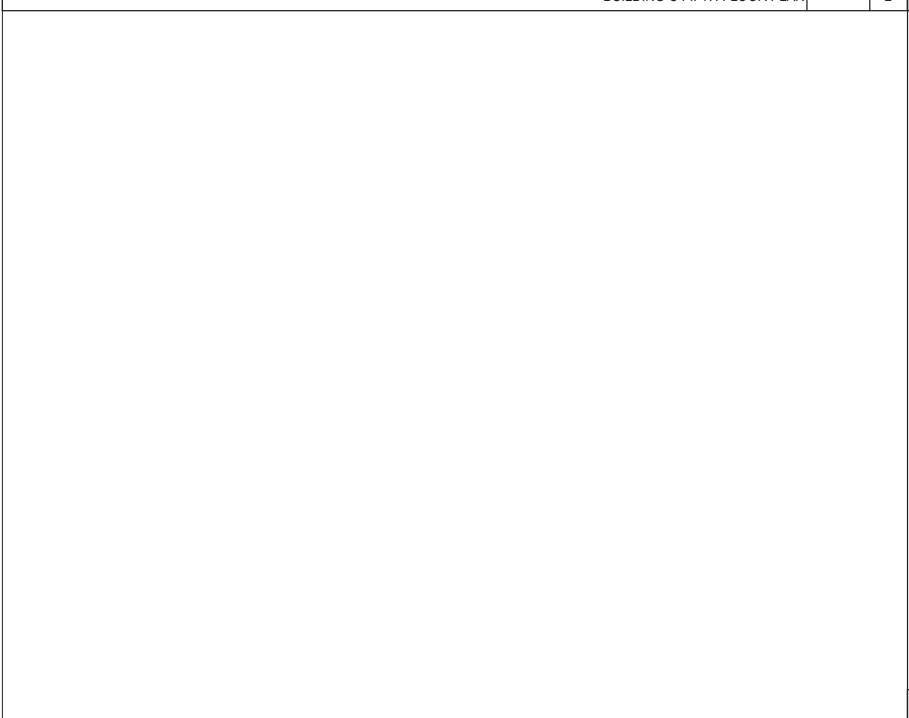
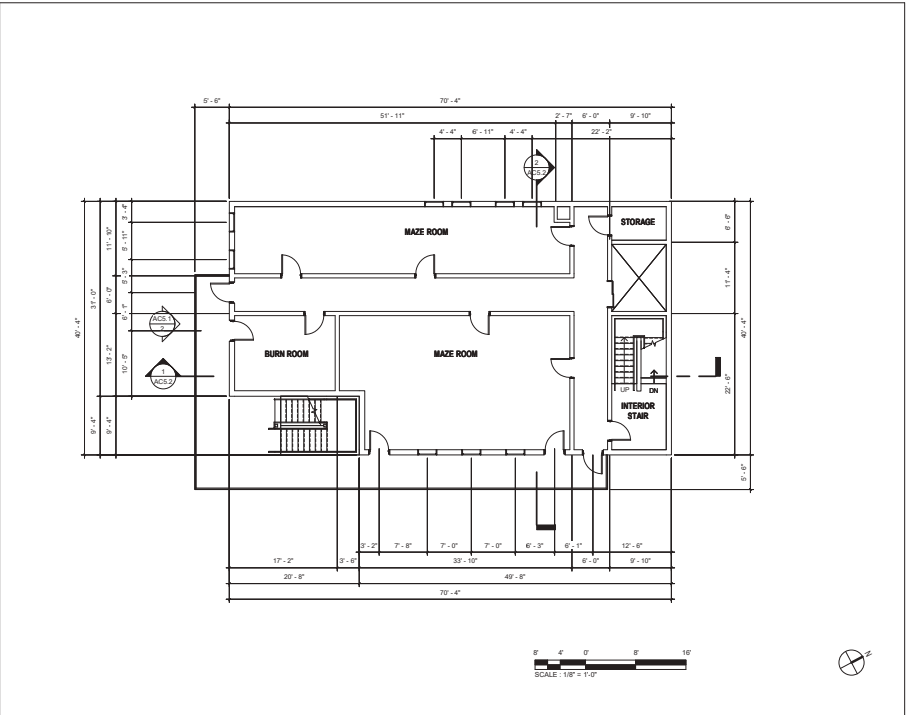
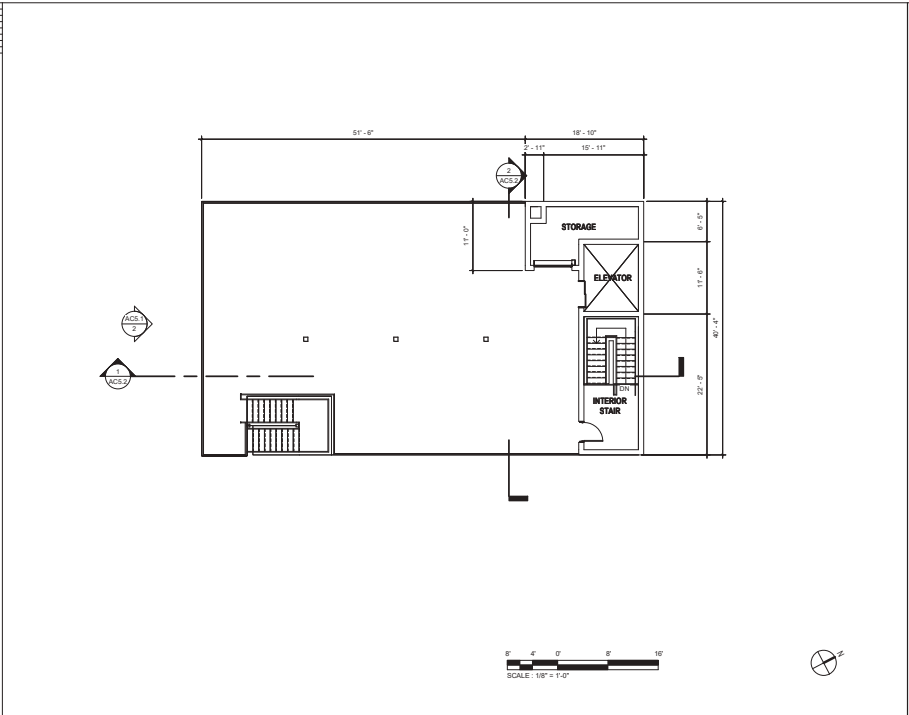
DATE: 08/30/2024 PROJECT NUMBER: 220532

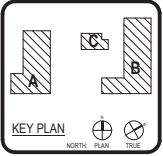
DRAWING HISTORY

No.	Description	Date

PLANNING DEPARTMENT SUBMITTAL
 BUILDING NUMBER

BLDG C- 4TH FLOOR PLAN





CLIENT: MENLO PARK FIRE PROTECTION DISTRICT
 DATE: 08/30/2024 PROJECT NUMBER: 220532
 DRAWING HISTORY

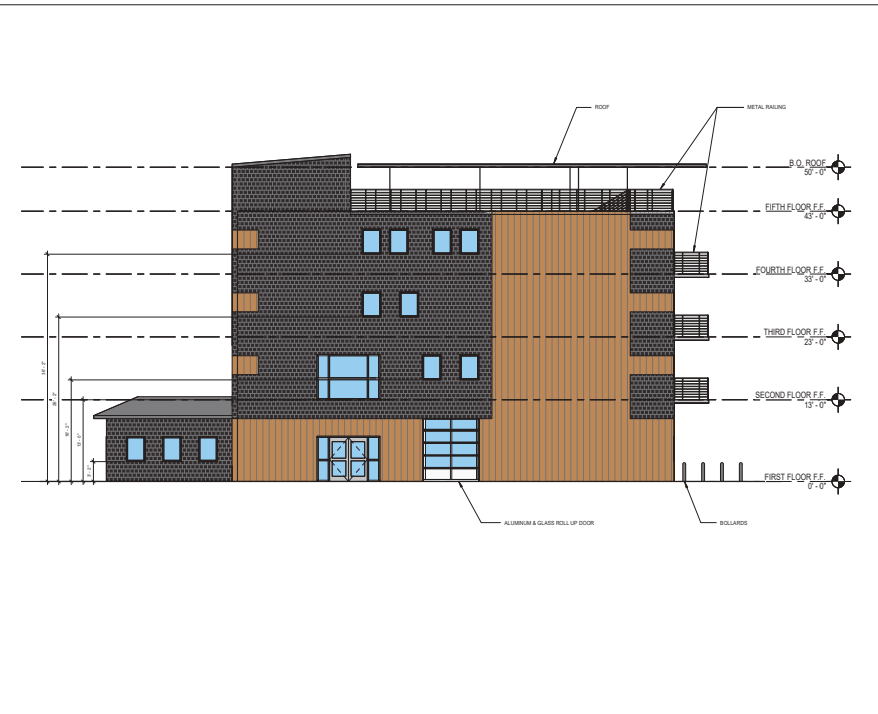
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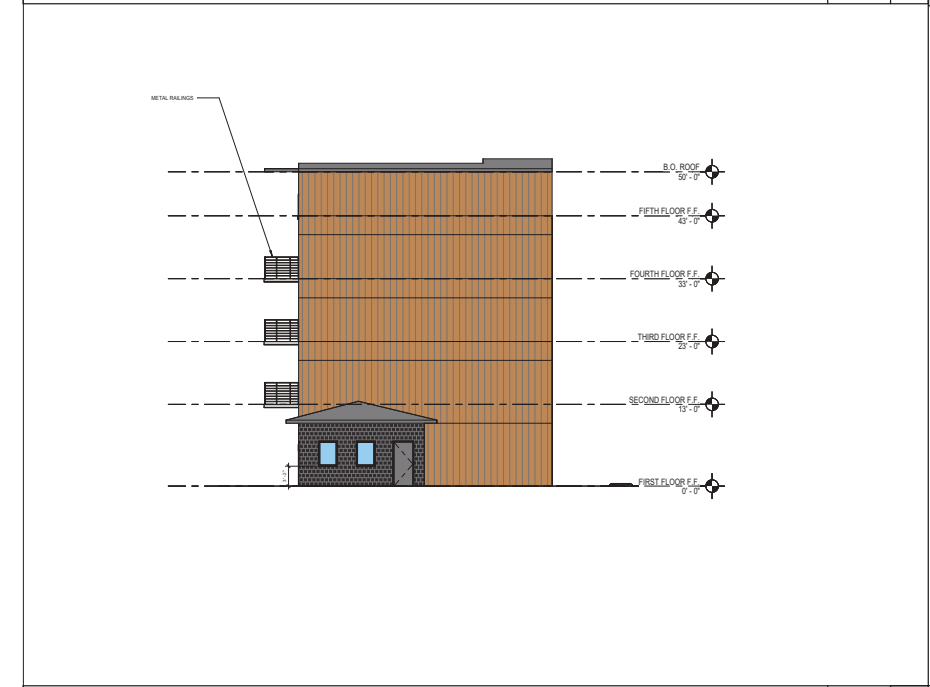
BLDG C - EXTERIOR ELEVATIONS



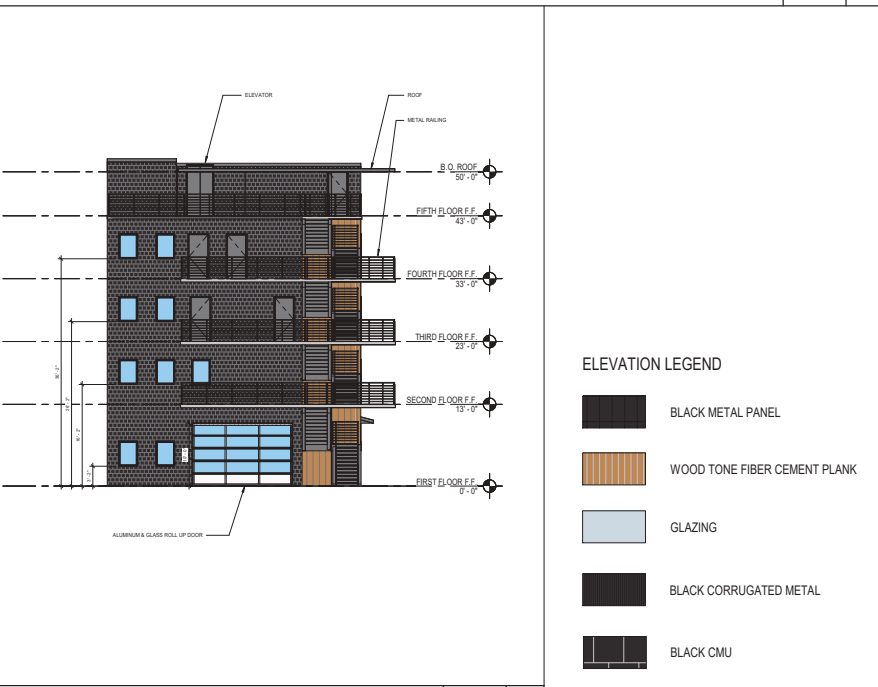
BLDG C - EXTERIOR ELEVATION SOUTH 1/8" = 1'-0" 3



BLDG C - EXTERIOR ELEVATION NORTH 1/8" = 1'-0" 1



BLDG C - EXTERIOR ELEVATION WEST 1/8" = 1'-0" 4



BLDG C - EXTERIOR ELEVATION EAST 1/8" = 1'-0" 2

ELEVATION LEGEND

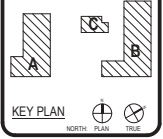
- BLACK METAL PANEL
- WOOD TONE FIBER CEMENT PLANK
- GLAZING
- BLACK CORRUGATED METAL
- BLACK CMU



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 1327 Avenue B, Suite 110
 San Luis Obispo, CA 93401
 805-325-3078
 805-325-3078 F

MENLO PARK FIRE STATION NO. 01 & TRAINING TOWER

CLIENT LOGO



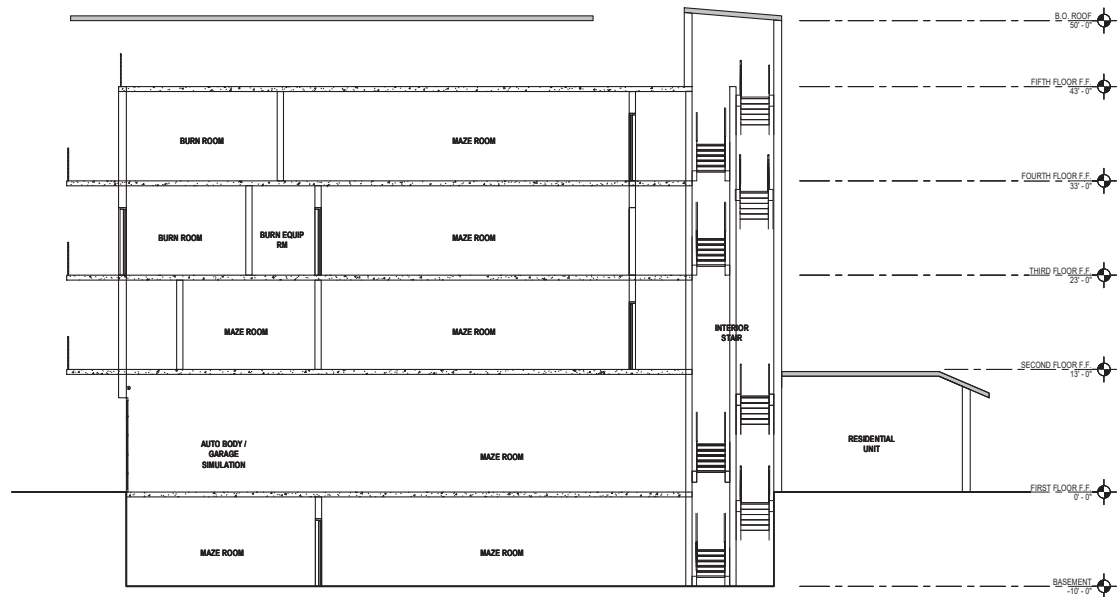
CLIENT
 MENLO PARK FIRE PROTECTION DISTRICT
 DATE: 08/30/2024 PROJECT NUMBER: 220532
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No.	Description	Date

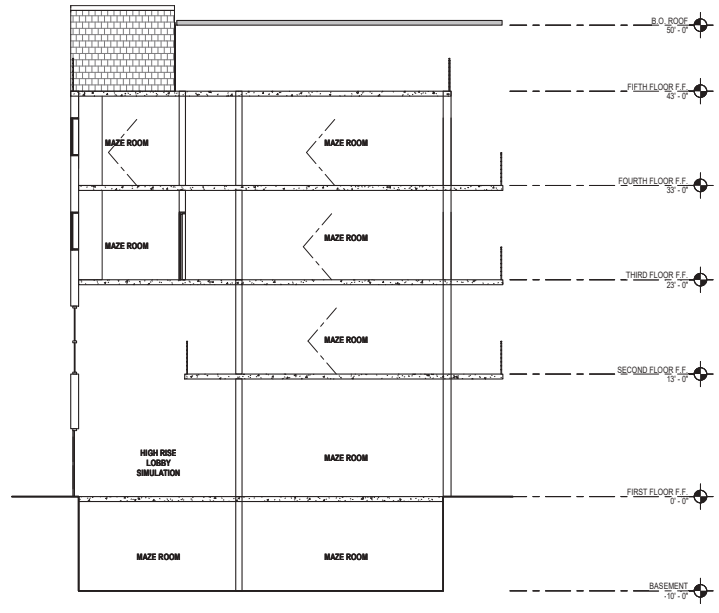
PLANNING DEPARTMENT SUBMITTAL
 BUILDING NUMBER

BLDG C - BUILDING SECTIONS

AC5.2



BLDG C BUILDING SECTION 3/16" = 1'-0" 1

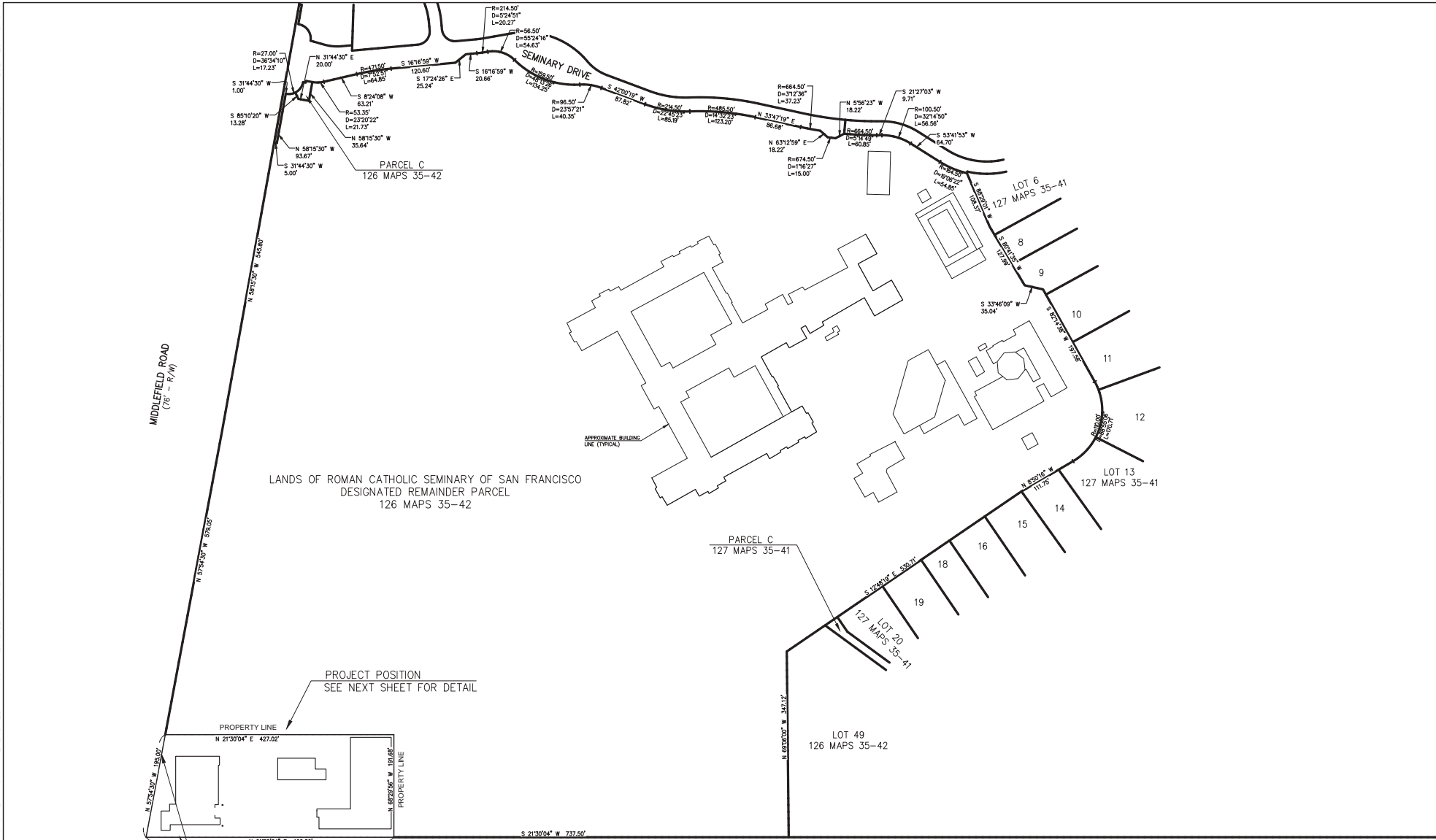


BLDG C BUILDING SECTION 3/16" = 1'-0" 2

BLDG C - BUILDING SECTIONS
 AC5.2
 FROM BLDG B MAIN LAYOUT DOC

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PLAN # _____
 SHEET _____ OF _____

REVISIONS:		
DATE	DESCRIPTION	BY:

HANNA-BRUNETTI
 CIVIL ENGINEERS • LAND SURVEYORS
 CONSTRUCTION MANAGERS
 1000 S. GILBERT STREET • SAN JOSE, CA 95128
 OFFICE: (408) 424-7171 • FAX: (408) 424-7172
 EMAIL: ENGINEERING@HANNA-BRUNETTI.COM

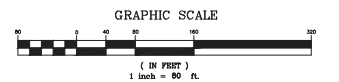
DATE: JULY 2024
 HORIZ. SCALE: 1"=50'
 VERT. SCALE: N/A
 DESIGNED BY: AM
 CHECKED BY: T.M.
 DRAWN BY: T.M.

daniel
 Hanna - Brunetti
 Amanda Joy Maszy-Vorhe
 R.C.E. # 69278



REFERENCES

MENLO PARK
 JULY 2024



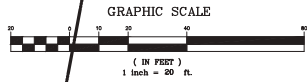
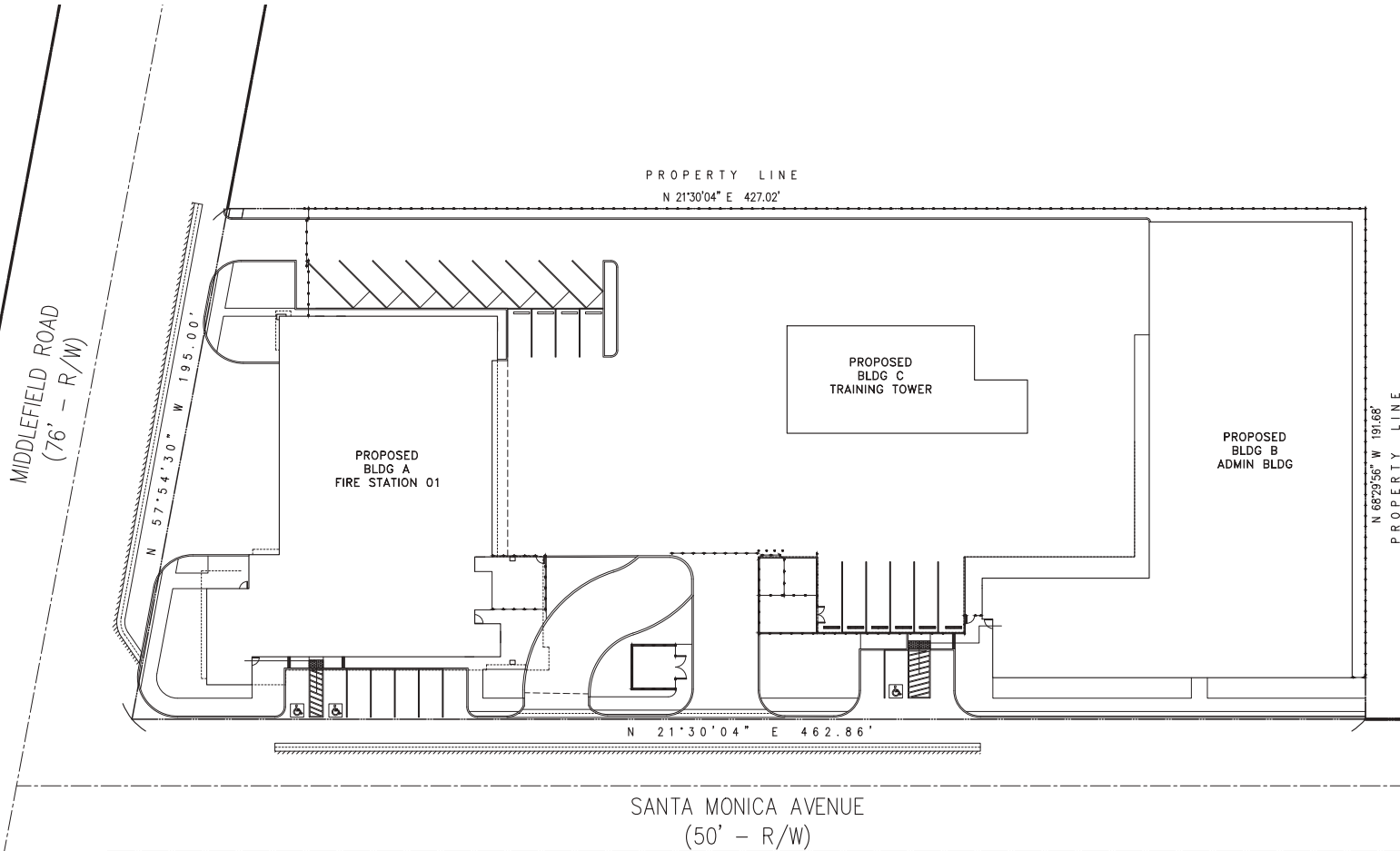
PRELIMINARY PLANS
 NOT FOR CONSTRUCTION

APPROVED FOR ISSUANCE
 REFER TO ENCROACHMENT AND/OR
 CONSTRUCTION PERMIT AND PLAN
 COVER SHEET FOR SPECIAL
 CONDITIONS AND PERMIT NUMBERS

Site Development Plan
 Menlo Park Fire Station No.1 & Training Tower - apn 062-460-030 & -060
 SANTA CLARA COUNTY CALIFORNIA

SHEET	5.0
OF 14	
JOB NO.	23062

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 COVER SHEET FOR SPECIAL
 CONDITIONS AND PERMIT NUMBERS

DATE	REVISIONS: DESCRIPTION	BY:

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INCORPORATED
 CIVIL ENGINEERS • LAND SURVEYORS
 CONSTRUCTION MANAGERS
 185 SULLY STREET #100 • MILPITAS, CALIFORNIA
 OFFICE: (408) 642-7172
 EMAIL: ENGINEERING@HANNA-BRUNETTI.COM

DATE: JULY 2024
 HORIZ. SCALE: 1"=20'
 VERT. SCALE: N/A
 DESIGNED BY: AM
 CHECKED BY: TM
 DRAWN BY: TM

ddb: Hanna - Brunetti
 Amanda Joy Musy-Verde
 R.C.E. # 69278



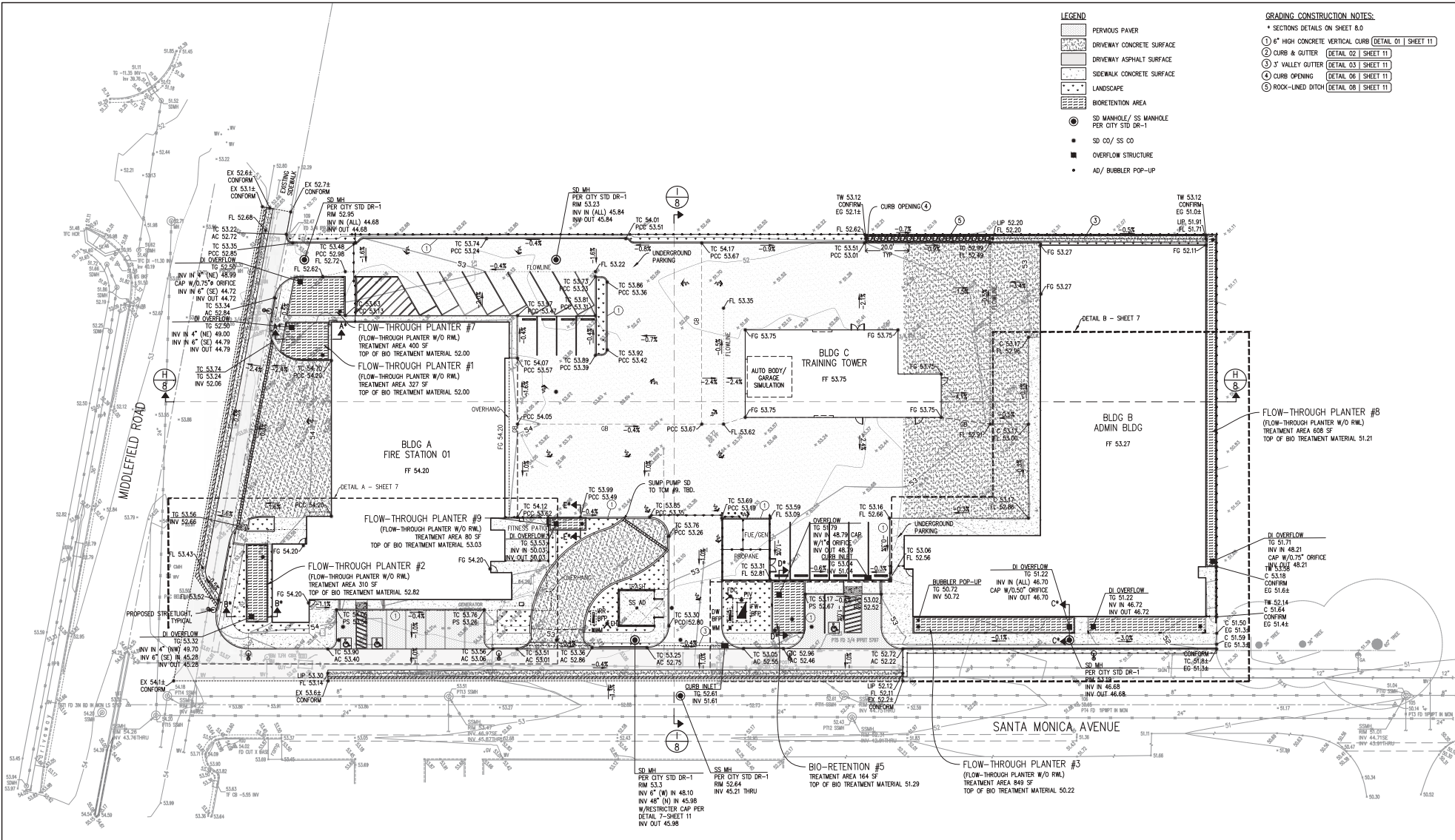
REFERENCES

MENLO PARK
 JULY 2024

Site Development Plan
 Menlo Park Fire Station No.1 & Training Tower - apn 062-460-030 & -060
 SANTA CLARA COUNTY
 CALIFORNIA

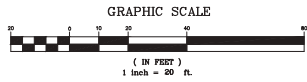
SHEET
5.1
OF 14
JOB NO. 23062

THE USER OF THESE PLANS AND SPECIFICATIONS REMAINS IN THE SOLE POSSESSION OF THE ORIGINAL SET FOR WHICH THEY WERE PREPARED AND PUBLICATION, IN WHOLE OR IN PART, IS PROHIBITED. THE USER OF THESE PLANS AND SPECIFICATIONS REMAINS IN THE SOLE POSSESSION OF THE ORIGINAL SET FOR WHICH THEY WERE PREPARED AND PUBLICATION, IN WHOLE OR IN PART, IS PROHIBITED.



- LEGEND**
- PERVIOUS PAVER
 - DRIVEWAY CONCRETE SURFACE
 - DRIVEWAY ASPHALT SURFACE
 - SIDEWALK CONCRETE SURFACE
 - LANDSCAPE
 - BIORETENTION AREA
 - SD MANHOLE/ SS MANHOLE PER CITY STD DR-1
 - SD CO/ SS CO
 - OVERFLOW STRUCTURE
 - AD/ BUBBLER POP-UP

- GRADING CONSTRUCTION NOTES:**
- * SECTIONS DETAILS ON SHEET 8.0
 - ① 6" HIGH CONCRETE VERTICAL CURB (DETAIL 01 | SHEET 11)
 - ② CURB & GUTTER (DETAIL 02 | SHEET 11)
 - ③ 3" VALLEY GUTTER (DETAIL 03 | SHEET 11)
 - ④ CURB OPENING (DETAIL 06 | SHEET 11)
 - ⑤ ROCK-LINED DITCH (DETAIL 08 | SHEET 11)



**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

APPROVED FOR ISSUANCE
REFERS TO ENCROACHMENT AND/OR
CONSTRUCTION PERMIT AND PLAN
COVER SHEET FOR SPECIAL
CONDITIONS AND PERMIT NUMBERS

PLAN #	OF	SHEET	REVISIONS:		
			DATE	DESCRIPTION	BY:

HANNA-BRUNETTI
 CIVIL ENGINEERS & LAND SURVEYORS
 CONSTRUCTION MANAGERS
 1000 CALIFORNIA STREET, SUITE 200 • MENLO PARK, CALIFORNIA
 OFFICE: (415) 324-7171
 EMAIL: ENGINEERING@HANNA-BRUNETTI.COM

DATE: JULY 2024
 HORIZ. SCALE: 1"=20'
 VERT. SCALE: NONE
 DESIGNED BY: AM
 CHECKED BY: JMV
 DRAWN BY: T.M.

DATE: July 2024
 HANNA - Brunetti
 Amanda Joy Massey-Verde
 R.C.E. # 69278



REFERENCES

MENLO PARK
 JULY 2024

Grading & Drainage Plan

Menlo Park Fire Station No. 1 & Training Tower - apn 062-460-030 & -060

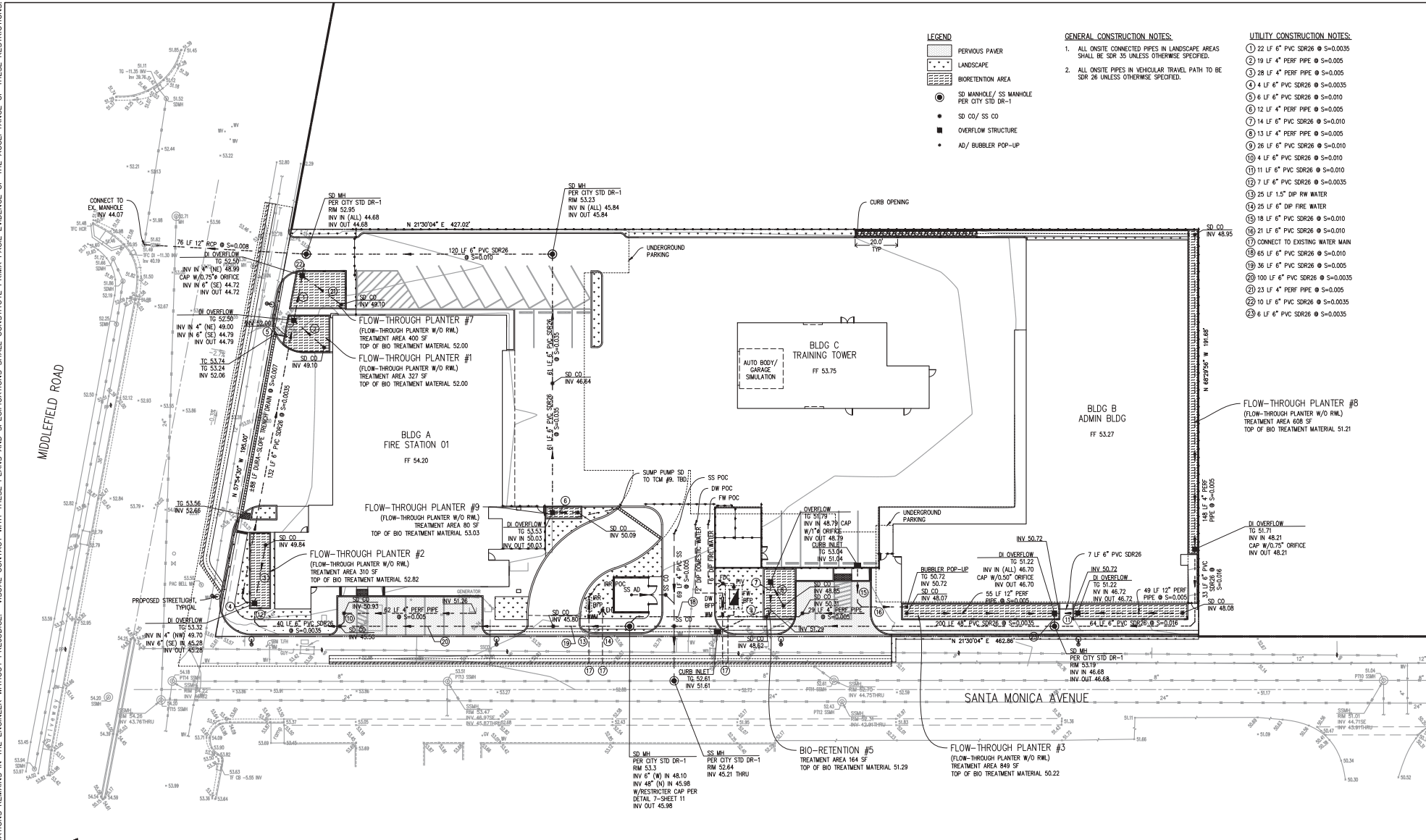
SANTA CLARA COUNTY
 CALIFORNIA

JOB NO. 23062

SHEET
6.0
 OF 14

APPLICANT: MENLO PARK FIRE PROTECTION DISTRICT ROAD: MIDDLEFIELD ROAD

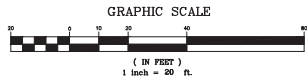
THE USER OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREIN EXPRESSLY LIMITED TO SUCH USE. REPRODUCTION OR PARTIAL REPRODUCTION OF ANY KINDS IN WHOLE OR PART IS PROHIBITED. THE USER OF THESE PLANS AND SPECIFICATIONS REMAINS IN THE SOLE POSSESSION OF THE ORIGINAL CONTRACTOR AND SHALL BE RESPONSIBLE FOR THE PERFORMANCE OF THESE RESTRICTIONS.



- LEGEND**
- PERVIOUS PAVEN
 - LANDSCAPE
 - BIORETENTION AREA
 - SD MANHOLE / SS MANHOLE PER CITY STD DR-1
 - SD CO / SS CO
 - OVERFLOW STRUCTURE
 - AD / BUBBLER POP-UP

- GENERAL CONSTRUCTION NOTES:**
1. ALL ONSITE CONNECTED PIPES IN LANDSCAPE AREAS SHALL BE SDR 35 UNLESS OTHERWISE SPECIFIED.
 2. ALL ONSITE PIPES IN VEHICULAR TRAVEL PATH TO BE SDR 26 UNLESS OTHERWISE SPECIFIED.

- UTILITY CONSTRUCTION NOTES:**
- 1) 22 LF 6" PVC SDR26 @ S=0.0035
 - 2) 19 LF 4" PERF PIPE @ S=0.005
 - 3) 28 LF 4" PERF PIPE @ S=0.005
 - 4) 4 LF 6" PVC SDR26 @ S=0.0035
 - 5) 6 LF 6" PVC SDR26 @ S=0.010
 - 6) 12 LF 4" PERF PIPE @ S=0.005
 - 7) 14 LF 6" PVC SDR26 @ S=0.010
 - 8) 13 LF 4" PERF PIPE @ S=0.005
 - 9) 28 LF 6" PVC SDR26 @ S=0.010
 - 10) 4 LF 6" PVC SDR26 @ S=0.010
 - 11) 11 LF 6" PVC SDR26 @ S=0.010
 - 12) 7 LF 6" PVC SDR26 @ S=0.0035
 - 13) 25 LF 1.5" DIP RW WATER
 - 14) 25 LF 6" DIP FIRE WATER
 - 15) 18 LF 6" PVC SDR26 @ S=0.010
 - 16) 21 LF 6" PVC SDR26 @ S=0.010
 - 17) CONNECT TO EXISTING WATER MAIN
 - 18) 65 LF 6" PVC SDR26 @ S=0.010
 - 19) 36 LF 6" PVC SDR26 @ S=0.005
 - 20) 100 LF 6" PVC SDR26 @ S=0.0035
 - 21) 23 LF 4" PERF PIPE @ S=0.005
 - 22) 10 LF 6" PVC SDR26 @ S=0.0035
 - 23) 6 LF 6" PVC SDR26 @ S=0.0035



**PRELIMINARY PLANS
NOT FOR CONSTRUCTION**

APPROVED FOR ISSUANCE
 REFER TO ENCROACHMENT AND/OR
 CONSTRUCTION PERMIT AND PLAN
 COVER SHEET FOR SPECIAL
 CONDITIONS AND PERMIT NUMBERS

DATE	REVISIONS: DESCRIPTION	BY:

HANNA-BRUNETTI
 CIVIL ENGINEERS & LAND SURVEYORS
 CONSTRUCTION MANAGERS
 REGISTERED PROFESSIONAL ENGINEER - CIVIL
 OFFICE: (408) 624-7171
 EMAIL: ENGINEERING@HANNA-BRUNETTI.COM

DATE: JULY 2024
 HORIZ. SCALE: 1"=20'
 VERT. SCALE: NONE
 DESIGNED BY: AM
 CHECKED BY: T.M.
 DRAWN BY: T.M.

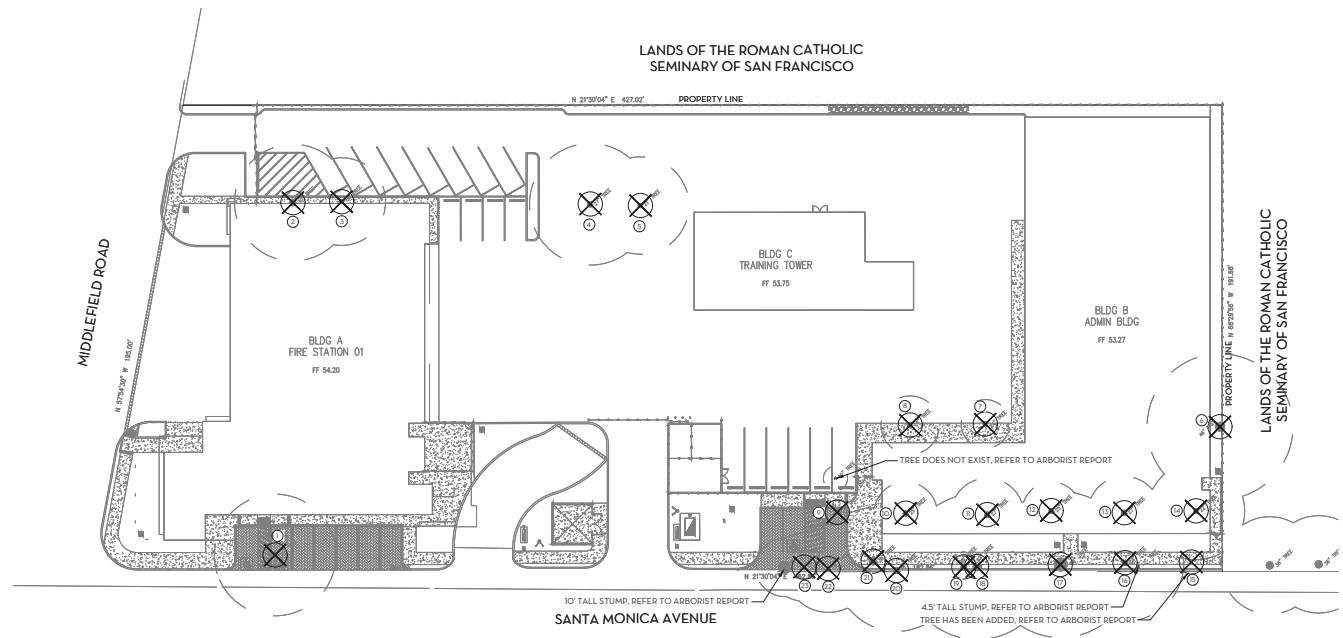


REFERENCES

MENLO PARK
 JULY 2024

Utility Plan
 Menlo Park Fire Station No.1 & Training Tower - apn 062-460-030 & -060
 SANTA CLARA COUNTY CALIFORNIA

SHEET
9.0
 OF 14
 JOB NO. 23062



TREE REMOVAL LEGEND

(E) TREE TO BE REMOVED, TYP. REFER TO MENLO PARK FIRE STATION NO. 1 ARBORIST REPORT DATED APRIL 19, 2024 FOR MORE INFORMATION ON TREE SPECIES AND SIZE.

TREE #	NAME	DISPOSITION		DIAM (in.)	TREE #	NAME	DISPOSITION		DIAM (in.)
		RETAIN	RMV				RETAIN	RMV	
1	Saucar magnolia	-	X	30	14	Olive tree	-	X	22
2	American sweetgum	-	X	27	16	Coast live oak	-	X	25
3	American sweetgum	-	X	20	17	Monterey cypress	-	X	48
4	American sweetgum	-	X	25	18	Monterey cypress	-	X	29
5	American sweetgum	-	X	19	19	Monterey cypress	-	X	25
6	N. CA black walnut	-	X	49	20	Coast live oak	-	X	25
7	Littleleaf linden	-	X	21	21	Coast live oak	-	X	29
8	Littleleaf linden	-	X	25	22	Monterey cypress	-	X	20
9	Olive tree	-	X	22					
10	Olive tree	-	X	19					
11	Olive tree	-	X	19					
12	Olive tree	-	X	25					
13	Olive tree	-	X	23					



ARCHITECT
SAN LUIS OBISPO
127 Archer St. Suite 110
San Luis Obispo, CA 93401
805.329.3878 P
805.329.3878 F

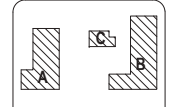


WDSL A
We plan. We design. We build. We maintain. We improve.
1000 California Street, Suite 1200
San Francisco, CA 94108
Tel: 415.774.9900
www.wdsla.com

MENLO PARK FIRE STATION NO. 01 & TRAINING TOWER

CLIENT LOG

300 MIDDLEFIELD ROAD
MENLO PARK, CA 94025



CLIENT
MENLO PARK FIRE PROTECTION DISTRICT

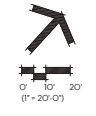
DATE: 09/09/2024 PROJECT NUMBER: 23032

DRAWING HISTORY

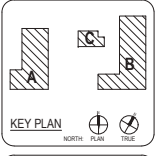
No.	Description	Date

PLANNING DEPARTMENT SUBMITTAL
BUILDING NUMBER

TREE REMOVAL PLAN



L1.0



CLIENT

MENLO PARK FIRE PROTECTION DISTRICT

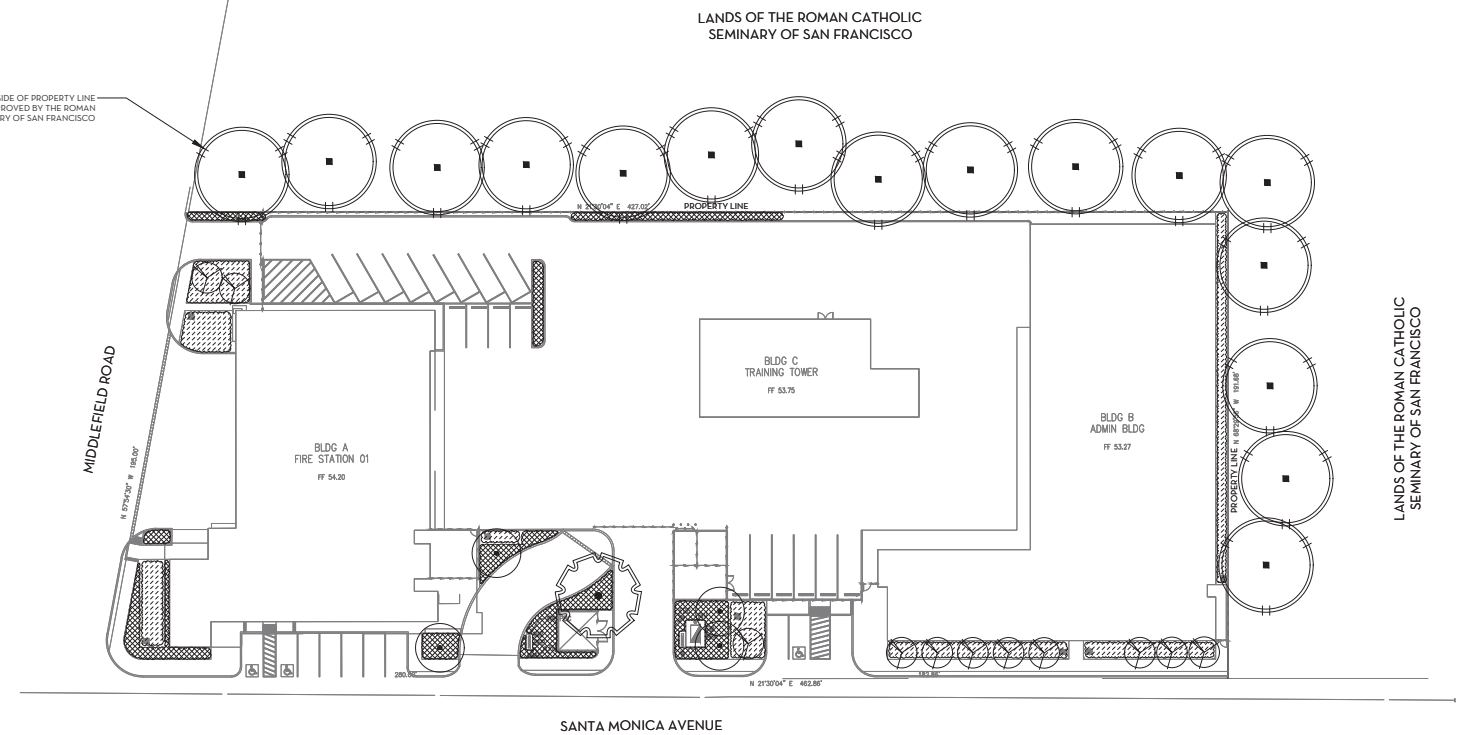
DATE: 09/09/2024 PROJECT NUMBER: 230332

DRAWING HISTORY

No.	Description	Date

PLANNING DEPARTMENT SUBMITTAL
BUILDING NUMBER

PLANTING PLAN



PRELIMINARY TREE MITIGATION CALCULATIONS

David L. Balbo, Registered Consulting Architect April 16, 2024

Pursuant to Section 15.24.090(h) of the Menlo Park Municipal Code, replacements to mitigate the removal of heritage trees shall be of a size and amount equal to or in excess of the trees' appraised values, equating to \$46,000. For reference, the City's Heritage Tree Ordinance Administrative Guidelines establishes the following replacement values to determine the amount and size of new trees to mitigate heritage tree removal: 3-gallon container = \$100; 15-gallon container = \$200; 24-inch box = \$400; 36-inch box = \$1,200; 48-inch box = \$5,000; and 60-inch box = \$7,000.

PROJECT NAME: MENLO PARK FIRE STATION NO. 01

PRELIMINARY TREE MITIGATION CALCULATIONS

TREE SIZE	TREE QUANTITY	APPRAISED VALUE	TOTAL VALUE
60" BOX	0	\$ 7,000.00	\$ -
48" BOX	0	\$ 5,000.00	\$ -
36" BOX	16	\$ 1,200.00	\$ 19,200.00
24" BOX	0	\$ 400.00	\$ -
15 GAL. CONTAINER	16	\$ 200.00	\$ 3,200.00
5 GAL. CONTAINER	0	\$ 100.00	\$ -
TOTAL APPRAISED VALUE OF PROPOSED TREES		\$ 22,400.00	\$ 22,400.00

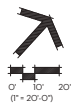
WATER EFFICIENT LANDSCAPE ORDINANCE COMPLIANCE

I HAVE COMPLIED WITH THE CRITERIA OF THE WATER EFFICIENT LANDSCAPING ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN.

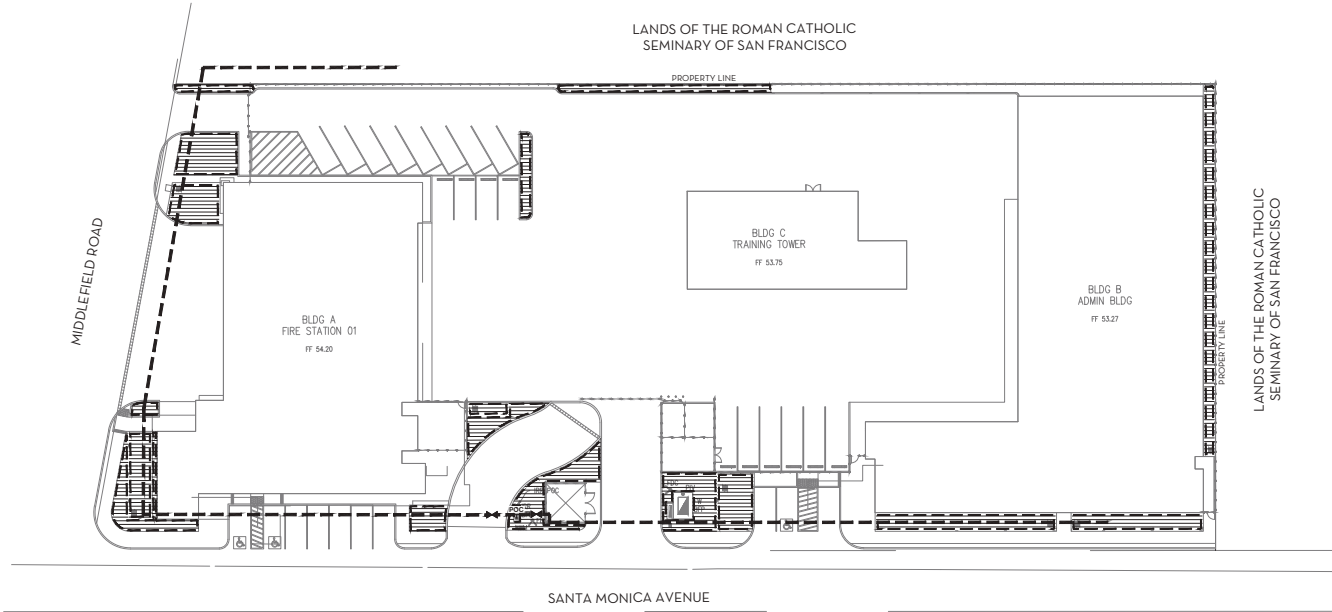
Karl
KARL FOERSTER, ASLA, CRLA 4726

CONCEPT PLANT SCHEDULE

	MATURE SIZE, TYP.	PLANTING SIZE, TYP.
SMALL ON-SITE TREES AESCULUS CALIFORNICA / CALIFORNIA BUCKEYE COTINUS OBOVATUS / AMERICAN SMOKE TREE	15 GAL. VERY LOW, 20" X25" 15 GAL. MODERATE, 20" X20"	6" X 4" 6" X 4"
OFF-SITE TREES CEDRUS DEODARA / DEODAR CEDAR PINUS CANARIENSIS / CANARY ISLAND PINE PISTACIA CHINENSIS KEITH DAVEY / FRUITLESS CHINESE PISTACHE QUERCUS AGRIFOLIA / COAST LIVE OAK QUERCUS SUBER / CORK OAK	36" BOX, LOW, 70" X35" 36" BOX, LOW, 55" X35" 36" BOX, LOW, 35" X35" 36" BOX, LOW, 60" X50" 36" BOX, LOW, 40" X40"	10" X 6" 10" X 6" 10" X 6" 10" X 6" 10" X 6"
LARGE ON-SITE TREES PISTACIA CHINENSIS KEITH DAVEY / FRUITLESS CHINESE PISTACHE	15 GAL., LOW, 35" X35"	7" X 5"
BIO RETENTION TREES/SHRUBS CERCIS CANADENSIS / EASTERN REDBUD MULTI-TRUNK CORNUS GLABRATA / BROWN DOGWOOD MORELLA CALIFORNICA / CALIFORNIA WAX MYRTLE RHUS INTEGRIFOLIA / LEMONADE BERRY VIBURNUM TINUS / LAURUSTINUS	15 GAL., MODERATE, 15" X10" 15 GAL., MODERATE, 15" X10" 15 GAL., LOW, 12" X10" 15 GAL., MODERATE, 12" X10"	5" X 4" 5" X 4" 5" X 4" 5" X 4"
BIORETENTION CHONDROPETALUM TECTORUM / CAPE RUSH JUNCUS PATENS / CALIFORNIA GRAY RUSH	5 GAL., LOW, 3" X 4" 5 GAL., LOW, 2" X 2"	
SHRUBS CALAMAGROSTIS X ACUTIFLORA KARL FOERSTER / KARL FOERSTER FEATHER BEED GRASS DIANELLA REVOLUTA LITTLE REV / LITTLE REV FLAX LILY LOMANDRA LONGIFOLIA PLATINUM BEAUTY / PLATINUM BEAUTY VARIEGATED MAT RUSH PENSTEMON HETEROPHYLLUS MARGARITA BOP / MARGARITA BOP PENSTEMON WESTRINGIA FRUITICOSA MORNING LIGHT / MORNING LIGHT COAST ROSEMARY	1 GAL., LOW, 4" X2.5" 1 GAL., LOW, 2.5" X2" 1 GAL., LOW, 2.5" X3" 1 GAL., LOW, 2" X 2" 5 GAL., LOW, 3" X3"	



SITE PLAN FOR MENLO PARK FIRE STATION



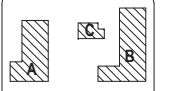
ARCHITECT
 SAN LUIS OBISPO
 127 Archer St, Suite 110
 San Luis Obispo, CA 93401
 805.339.3076 P
 805.339.3078 F



MENLO PARK FIRE STATION NO. 01 & TRAINING TOWER

CLIENT LOGO: [Fire Station Logo]

300 MIDDLEFIELD ROAD
 MENLO PARK, CA 94025



CLIENT: MENLO PARK FIRE PROTECTION DISTRICT

DATE: 09/09/2024 PROJECT NUMBER: 23052

DRAWING HISTORY:

No.	Description	Date

BUILDING DEPARTMENT SUBMITTAL
 BUILDING NUMBER:

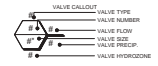
IRRIGATION PLAN

L2.0

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI
▲	HUNTER RZWS 36-CV 36IN. LONG RZWS WITH INSTALLED 25 GPM OR 50 GPM BUBBLER OPTIONS. CHECK VALVE, 1/2IN. SWING JOINT FOR CONNECTION TO 1/2IN. PIPE.	25
⊕	HUNTER PLO-DV BY MANUAL FLUSH/SHUT OFF VALVE, BARBED INSERT, TYPICALLY INSTALLED IN TOIN. BOX, WITH ADEQUATE BLANK TUBING TO EXTEND VALVE OUT OF VALVE BOX. USE WITH HDL OR OTHER 3/4IN. DRIPLINE.	80
⊙	HUNTER PLO-AVR 3/4" PLO-AVR ALLOWS FOR AIR TO ESCAPE A RESIDENTIAL DRIP IRRIGATION SYSTEM TO PREVENT BLOCKAGE AND WATER HAMMERING. 1/2IN. NPT CONNECTION WITH 80 PSI MAXIMUM RATING.	80
⊙	HUNTER ECO-ID ECO-ID, 1/2IN. FPT CONNECTION WITH 12 PSI-70 PSI OPERATING PRESSURE. SPECIFY WITH HUNTER SJ SWING JOINT.	80
■	AREA TO RECEIVE DRIPLINE HUNTER HDL-06-18-DC HDL-06-18-DC HUNTER DRIPLINE WITH 0.6 GPH FLOW, LIGHT BROWN TUBING WITH GRAY STRIPING, EMITTERS AT 18" O.C. DRIPLINE LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN, INSTALL WITH HUNTER PLO BARBED OR PLO-LOC FITTINGS.	80
●	HUNTER ICV-G T 1IN., 1 1/2IN., 2IN., AND 3IN. PLASTIC ELECTRIC REMOTE CONTROL VALVES, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE.	80
⊕	HUNTER HO-44LDC T QUICK COUPLER VALVE, YELLOW RUBBER LOCKING COVER, RED BRASS AND STAINLESS STEEL, WITH 1IN. NPT INLET, 2-PIECE BODY.	80
⊕	NIBCO T-113 CLASS 125 BRONZE GATE SHUT OFF VALVE WITH WHEEL, HANDLE, SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION. SIZE RANGE - 1/4IN. - 3IN.	80
---	IRRIGATION LATERAL LINE, PVC SCHEDULE 40	80
---	IRRIGATION MAINLINE, PVC SCHEDULE 40 PVC SCHEDULE 40 FOR SIZES 1 1/2" OR SMALLER. SOLVENT WELD SCH 40 FITTINGS AT 2' DEPTH. SIZE AS NOTED.	80

PIPE SLEEVE, PVC SCHEDULE 40 SIZE TO BE 2X THE TOTAL OF PIPE DIAMETER. INSTALL UNDER ALL NEW PAVING AND EXTEND 12" BEYOND HARDSCAPE EDGES.



FULL IRRIGATION SYSTEM COVERAGE DELINEATION WILL BE SUBMITTED WITH PLANS FOR BUILDING PERMITS.

MENLO PARK FIRE STATION NO. 1 300 MIDDLEFIELD ROAD, MENLO PARK, CA 94025
 WATER EFFICIENT LANDSCAPE WORKSHEET (REV. 10/21/2023)

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION
1	IRIS	LOW	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	Yucca	LOW	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	Tree	LOW	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
4	Tree	LOW	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	Tree	LOW	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	Tree	LOW	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTALS:										

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION
1	IRIS	LOW	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	Yucca	LOW	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	Tree	LOW	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
4	Tree	LOW	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	Tree	LOW	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	Tree	LOW	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTALS:										

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION	PLANT WATER USE CLASSIFICATION
1	IRIS	LOW	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2	Yucca	LOW	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3	Tree	LOW	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
4	Tree	LOW	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5	Tree	LOW	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
6	Tree	LOW	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
TOTALS:										

ETAP R. 0.88 (0.0) BY MEDICAL APPLICATIONS AND CLASS FOR COMMERCIAL APPLICATIONS. THIS AREA IS CALCULATED BY THE AREA COVERED BY FOOTBALL BRICKS (28' x 28').

ETAP: 0.88 (0.0) BY MEDICAL APPLICATIONS AND CLASS FOR COMMERCIAL APPLICATIONS. THIS AREA IS CALCULATED BY THE AREA COVERED BY FOOTBALL BRICKS (28' x 28').

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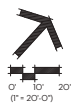
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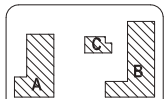
ETAP: 0.88 (0.0) BY MEDICAL APPLICATIONS AND CLASS FOR COMMERCIAL APPLICATIONS. THIS AREA IS CALCULATED BY THE AREA COVERED BY FOOTBALL BRICKS (28' x 28').

A PRELIMINARY WATER EFFICIENT LANDSCAPE WORKSHEET

FILE PATH: C:\Users\mccoy\Documents\230522_Menlo Park Fire St. 1_S01.dwg (date: 9/24/2024)

CHECKED BY: JM
 DRAWN BY: CW
 PLOT STAMP: 09/09/24





KEY PLAN
NORTH PLAN
SCALE



CLIENT
MENLO PARK FIRE PROTECTION DISTRICT
DATE: 08/22/2024
PROJECT NUMBER: 230532

No.	Description	Date

PLANNING DEPARTMENT SUBMITTAL
BUILDING NUMBER:

SITE PHOTOMETRIC PLAN

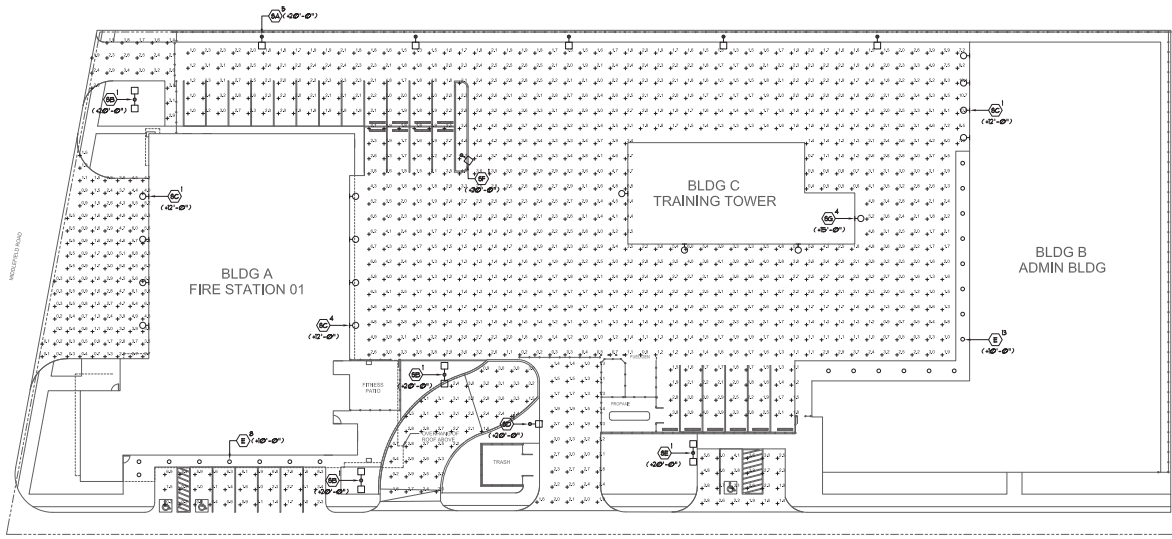
PLAN NOTES
 ① THIS LIGHTING PATTERN REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS UTILIZING CURRENT INDUSTRY STANDARD LAMP RATINGS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER VARIABLE FIELD CONDITIONS.

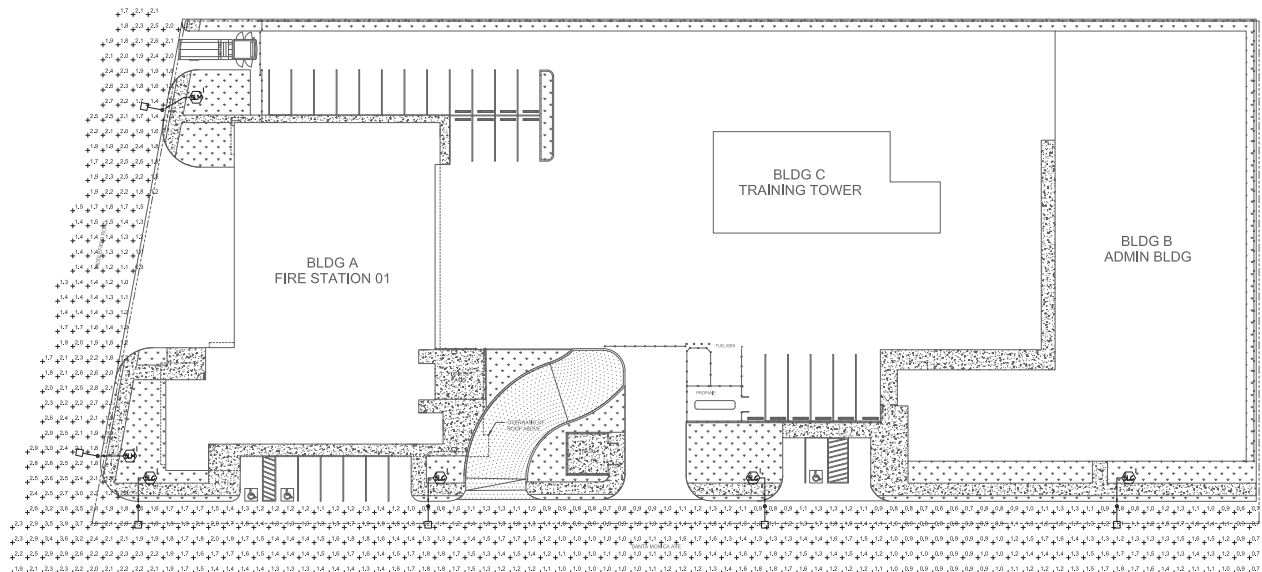
Statistics

Description	Symbol	Avg	Min	Min	Max/Min	Avg/Min
Front Entrance	+	2.4 f.c.	3.4 f.c.	1.4 f.c.	3.2:1	1.7:1
Front Fire Station Driveway	+	2.4 f.c.	8.8 f.c.	0.1 f.c.	69.0:1	26.0:1
Garage Driveway	+	2.4 f.c.	3.8 f.c.	0.2 f.c.	19.0:1	12.0:1
Side Entrance	+	2.1 f.c.	3.3 f.c.	1.0 f.c.	3.3:1	2.3:1
Side Parking	+	3.1 f.c.	5.8 f.c.	1.4 f.c.	4.0:1	2.9:1
Station Parking	+	3.2 f.c.	8.3 f.c.	0.2 f.c.	41.5:1	16.0:1
Fire Station Vehicle Hardscape	+	2.5 f.c.	10.7 f.c.	0.3 f.c.	35.7:1	8.3:1

STREET LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER/ MODEL	LAMP/ WATTS/ VOLTAGE	MOUNTING HEIGHT
(A)	U.S. ARCHITECTURAL FURN-FILED-IV-PT-40LED-502PS-42K-271-1-19-P35-HE-FILED	LED 4000K 65W	10'-0"
(B)	U.S. ARCHITECTURAL FURN-FILED-II-40LED-502PS-42K-271-1-19-P35-19-351	LED 4000K 85W	10'-0"
(C)	AMF LIGHTING F50VA8-EP50GLD-S-40C-E3	LED 4000K 30W	12'-0"
(D)	U.S. ARCHITECTURAL FURN-FILED-II-40LED-502PS-42K-271-1-19-P35-19-351	LED 4000K 43W	10'-0"
(E)	U.S. ARCHITECTURAL FURN-FILED-II-40LED-502PS-42K-271-2-180-19-351	LED 4000K 125W	10'-0"
(F)	U.S. ARCHITECTURAL FURN-FILED-IV-PT-40LED-502PS-42K-271-1-19-P35	LED 4000K 65W	10'-0"
(G)	U.S. ARCHITECTURAL FURN-FILED-IV-PT-40LED-502PS-42K-271-2-180-19-351	LED 4000K 65W	10'-0"
(H)	GOYMAN LIGHTING 51036-40/35-AR-155-10-VOL-1-02	LED 4000K 15W	10'-0"





PLAN NOTES

① THIS LIGHTING PATTERN REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS UTILIZING CURRENT INDUSTRY STANDARD LAMP RATINGS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER VARIABLE FIELD CONDITIONS.

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Overall		1.6 fc	8.4 fc	0.5 fc	6.8:1	2.1:1
Major Rd		1.4 fc	8.0 fc	0.4 fc	8.0:1	2.1:1
Collector Rd		1.9 fc	2.4 fc	0.6 fc	4.0:1	2.2:1

STREET LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER/MODEL	LAMP/TEMP	WATTS/VOLTAGE	MOUNTING HEIGHT
①	CRS LUMIN	857R-LVY-24-INT-12-E-UP-5V-S25-DIM-R-UTL-40K	LED 4000K	10'W 45'-8"
②	CRS LUMIN	857R-LVY-24-INT-08-E-UP-5V-S25-DIM-R-UTL-40K	LED 4000K	10'W 45'-8"

STREET LIGHTING PHOTOMETRIC PLAN 1"=20'-0" 1

ROADWAY LIGHTING MANUAL Caltrans

Lighting Design Criteria for Streets

Street lighting is provided for areas where pedestrian and bicyclist use is present. These notes are meant to assist in selecting street and roadway lighting fixtures based on the expected pedestrian activities. The recommended values for street lighting are shown in Table C-1.

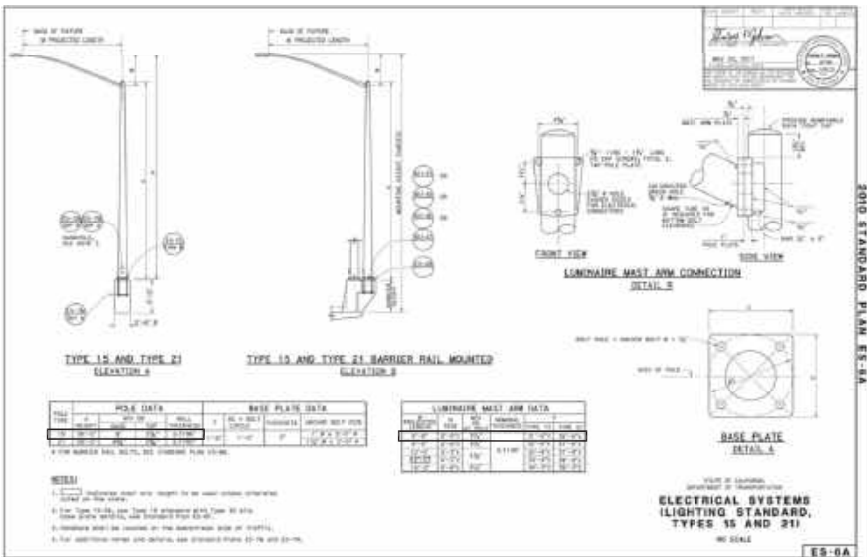
Finishing Classification	FDD/ft	Minimum F_{av} (fc)	Maximum Uniformity F_{max}/F_{min}
Major	0.60	1.00	3:1
Collector	0.40	0.75	3:1

Classification for Streetlights

The recommended lighting levels for intermediate and collector streets are based on the luminous classifications of the luminaires, mounting and beam of protection cap. The values are taken from Table C-1.1 in M-800 (2014) - Recommended Practices for Street and Roadway Lighting and Parking Facility Lighting. The luminous classifications of streetlights are based on the Institute of Transportation Engineers (ITE) Classification of Streetlighting Substation Street Design.

- Major - Class 1, 200 ACD
- Collector - 1, 201 to 3, 201 ACD
- Local - 301 to 1, 200 ACD

Source: Date: 01/07/2021



CALTRANS STANDARDS N.T.S. 2

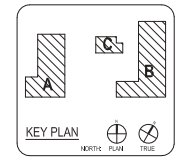


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MENLO PARK FIRE STATION NO. 01 & TRAINING TOWER



CLIENT

MENLO PARK FIRE PROTECTION DISTRICT

DATE: 08/22/2024
PROJECT NUMBER: 230532

No.	Description	Date

PLANNING DEPARTMENT SUBMITTAL

STREET LIGHTING PHOTOMETRIC PLAN