

# HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER

1401 WEST WINTON AVENUE, HAYWARD, CA. 94545

PLANNING SPR RESUBMITTAL

NEW FIRE STATION #6 CONCEPT RENDERING



CONCEPT RENDERING - NOT FOR CONSTRUCTION

## HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER

1401 W. WINTON AVE.  
HAYWARD, CA 94545

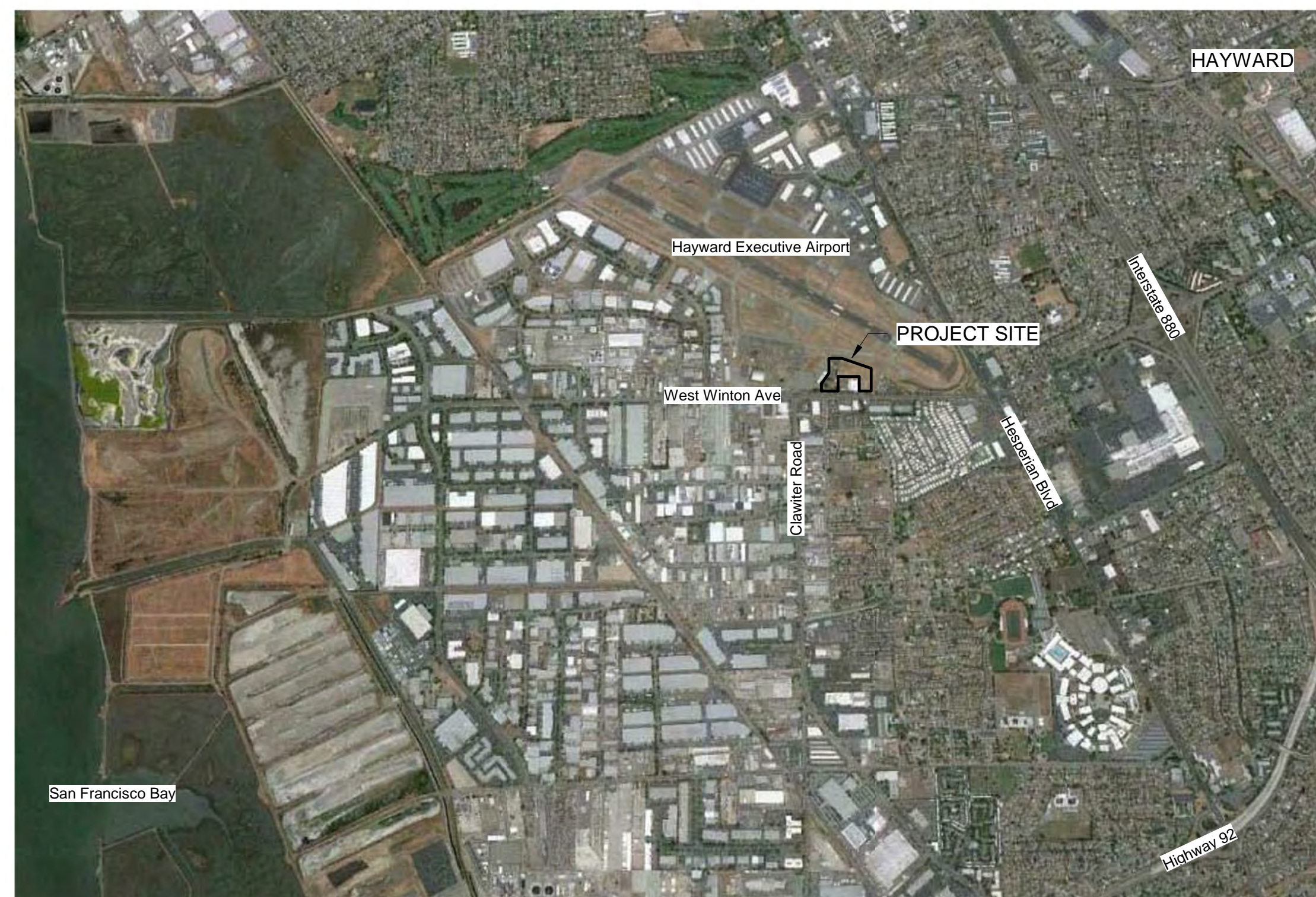
REVISIONS		
No.	Description	Date

### VICINITY MAP

### PROJECT SITE LOCATION MAP

### PROJECT DIRECTORY

### VOLUME DIRECTORY



**Owner**

**City of Hayward**  
Public Works Department  
777 B Street  
Hayward, CA 94541  
(510) 583 - 4752

**Architect of Record**  
RossDrulisCusenbery Architecture  
18294 Sonoma Highway  
Sonoma, CA 95476  
(707) 996 - 8448

**Fire Training Consultant**  
Abercrombie Planning+Design  
3508 Overton Park Drive West  
Fort Worth, TX 76109  
(817) 920 - 9198

**Geotechnical Engineer**  
Rockridge Geotechnical  
270 Grand Avenue  
Oakland, CA 94610  
(510) 420 - 5738

**Civil Engineer**  
BKF Engineering  
200 Fourth Street, Suite 300  
Santa Rosa, CA 95401  
(707) 583 - 8500

**Landscape Architect**  
MacNair Landscape Architecture  
Post Office Box 251  
Kenwood, CA 95452  
(707) 833 - 2288

**Structural Engineer**  
ZFA Structural Engineers  
1390 El Camino Real, Suite 100  
San Carlos, CA 94070  
(650) 394 - 8869

**Mechanical Engineer**  
WSP Group  
405 Howard Street, Suite 500  
San Francisco, CA 94105  
(415) 398 - 3833

**Electrical Engineer**  
WSP Group  
405 Howard Street, Suite 500  
San Francisco, CA 94105  
(415) 398 - 3833

**LEED Consultant**  
WSP Group  
405 Howard Street, Suite 500  
San Francisco, CA 94105  
(415) 398 - 3833

**AV - IT - Security Engineer**  
WSP Group  
405 Howard Street, Suite 500  
San Francisco, CA 94105  
(415) 398 - 3833

**Signage Design**  
Square Peg Design  
1631 Telegraph Avenue  
Oakland, CA 94612  
(510) 596 - 8810

**Cost Estimator**  
Cumming  
475 Sansome Street, Suite 520  
San Francisco, CA 94111  
(415) 748 - 3093

**VOLUME 1**

**OWNER-SUPPLIED DOCUMENTS**  
*(Not included in this bound package)*

**VOLUME 2**

**PROJECT SPECIFICATIONS**  
*(Not included in this bound package)*

**VOLUME 3**

**DESIGN DEVELOPMENT DRAWINGS**

**VOLUME 4**

**SIGNAGE DRAWINGS**  
*(Not included in this bound package)*

**VOLUME 5**

**FIRE PROP INTERFACE DRAWINGS**  
*(Not included in this bound package)*

## PLANNING SPR RESUBMITTAL

## COVER SHEET

Sheet Title

Drawn By: EW

Checked By: EW

Scale:

Date:  
February 1, 2018

Project No.: 2016039

**G-A0.01**  
Drawing No.

PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.

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**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**

1401 W. WINTON AVE.  
HAYWARD, CA 94545

REVISIONS

No. Description Date

**PLANNING SPR RESUBMITTAL**

ARCHITECTURAL SITE PLAN - DEMOLITION

Drawn By: Author Checked By: Checker

Scale: As indicated

Date: February 1, 2018

Project No. 2016039

**0-A1.00**  
Drawing No.

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GENERAL SHEET NOTES

1. THE EXISTING SITE INFORMATION AND FEATURES SHOWN HEREIN ARE BASED UPON AN AERIAL SURVEY PERFORMED BY GEOTERRA ON APRIL 4, 2016 AND SUPPLEMENTAL FIELD SURVEY PERFORMED BY BKF ENGINEERS ON APRIL 27, 2016.
2. SEE CIVIL DRAWINGS FOR EXTENTS OF DEMOLITION OF THE EXISTING SITE DEVELOPMENT AND UTILITIES.

SITE PLAN LEGEND

- PROPERTY LINE (SEE CIVIL DRAWINGS FOR LIMITS OF WORK)
- - - - - OUTLINE OF EXISTING BUILDING, TO BE DEMOLISHED AND REMOVED
- - - - - PROJECT MATCH LINE
- . . . . LEED BOUNDARY LINE
- - - - - ZONING ORDINANCE BUILDING SETBACK LINE
- EXISTING BUILDING, TO REMAIN
- NEW BUILDING FOOTPRINT

SHEET KEYNOTE LEGEND

- 02 40.01 EXISTING FIRE STATION TO BE DEMOLISHED AND REMOVED. STRUCTURE CONSISTS OF CONCRETE TILT-UP WALL PANELS, LOW-SLOPE MEMBRANE ROOF, AND A HIGH-SLOPE CONCRETE TILE ROOF. HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING AND REQUIRE MITIGATION
- 02 40.02 EXISTING ARFF GARAGE TO BE DEMOLISHED AND REMOVED. STRUCTURE CONSISTS OF STEEL FRAMING WITH FABRIC COVER
- 02 40.03 EXISTING OFFICE/CLASSROOM TO BE DEMOLISHED AND REMOVED. EXACT STRUCTURE COMPOSITION AND PRESENCE OF HAZARDOUS MATERIALS IS UNKNOWN
- 02 40.04 EXISTING BURN BUILDING TO BE DEMOLISHED AND REMOVED. STRUCTURE CONSISTS OF CMU WALLS AND NON-COMBUSTIBLE ROOF. PRESENCE OF HAZARDOUS MATERIALS IS UNKNOWN
- 02 40.05 EXISTING 4-STORY TRAINING TOWER TO BE DEMOLISHED AND REMOVED. STRUCTURE CONSISTS OF WOOD-FRAMED WALLS, FLOORS, AND ROOF. PRESENCE OF HAZARDOUS MATERIALS IS UNKNOWN
- 02 40.06 EXISTING STORAGE BUILDING TO BE DEMOLISHED AND REMOVED. STRUCTURE CONSISTS OF PRE-ENGINEERED STEEL FRAMING AND METAL WALL AND ROOF PANELS. PRESENCE OF HAZARDOUS MATERIALS IS UNKNOWN

**HAYWARD EXECUTIVE AIRPORT**

**WEST WINTON AVENUE**

**SAKLAN ROAD**

**AIR NATIONAL GUARD**

**PACIFIC ROLLER DIE COMPANY**

02 40.01

02 40.05

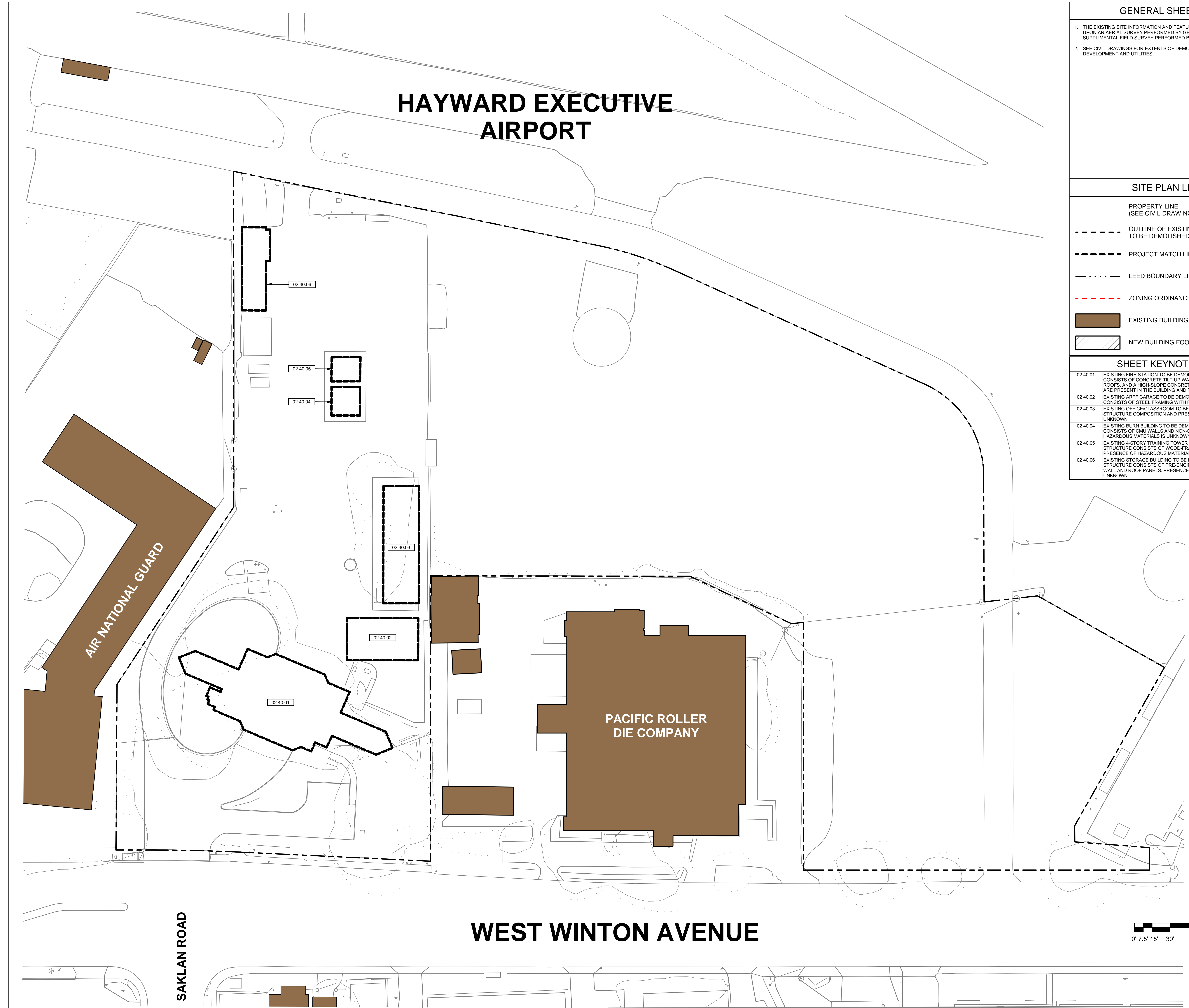
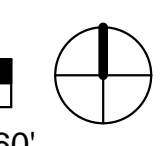
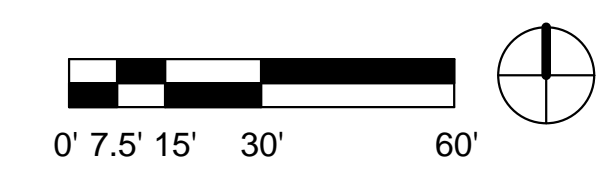
02 40.04

02 40.06

02 40.03

02 40.02

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**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**

1401 W. WINTON AVE.  
HAYWARD, CA 94545

REVISIONS

No.	Description	Date

PLANNING SPR  
RESUBMITTAL

ARCHITECTURAL SITE PLAN -  
OVERALL CAMPUS

Drawn By: EW Checked By: EW

Scale:  
As indicated

Date:  
February 1, 2018

Project No.: 2016039

**0-A1.10**  
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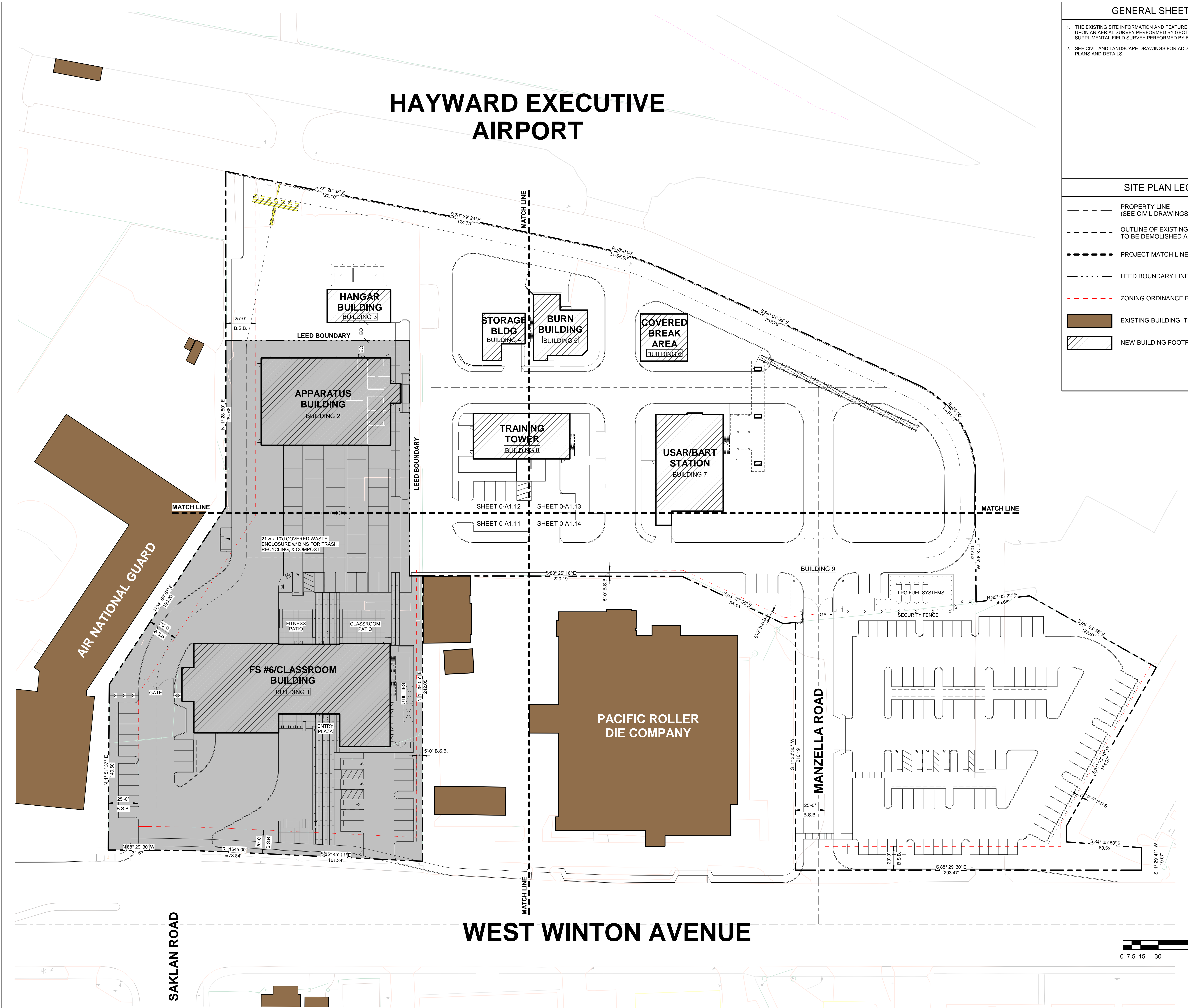
GENERAL SHEET NOTES

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2. SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL SITE IMPROVEMENT PLANS AND DETAILS.

SITE PLAN LEGEND

- PROPERTY LINE (SEE CIVIL DRAWINGS FOR LIMITS OF WORK)
- - - OUTLINE OF EXISTING BUILDING, TO BE DEMOLISHED AND REMOVED
- - - PROJECT MATCH LINE
- - - LEED BOUNDARY LINE
- - - ZONING ORDINANCE BUILDING SETBACK LINE
- EXISTING BUILDING, TO REMAIN
- ▨ NEW BUILDING FOOTPRINT

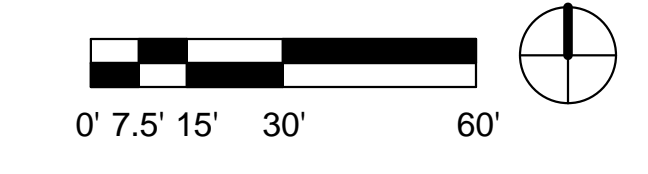
**HAYWARD EXECUTIVE AIRPORT**



**WEST WINTON AVENUE**

**SAKLAN ROAD**

**MANZELLA ROAD**



PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.



**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**

1401 W. WINTON AVE.  
HAYWARD, CA 94545

REVISIONS

No. Description Date

PLANNING SPR  
RESUBMITTAL

ARCHITECTURAL SITE PLAN -  
SOUTHWEST QUADRANT

Drawn By: EW Checked By: EW

Scale:  
As indicated

Date:  
February 1, 2018

Project No.: 2016039

**0-A1.11**  
Drawing No.

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GENERAL SHEET NOTES

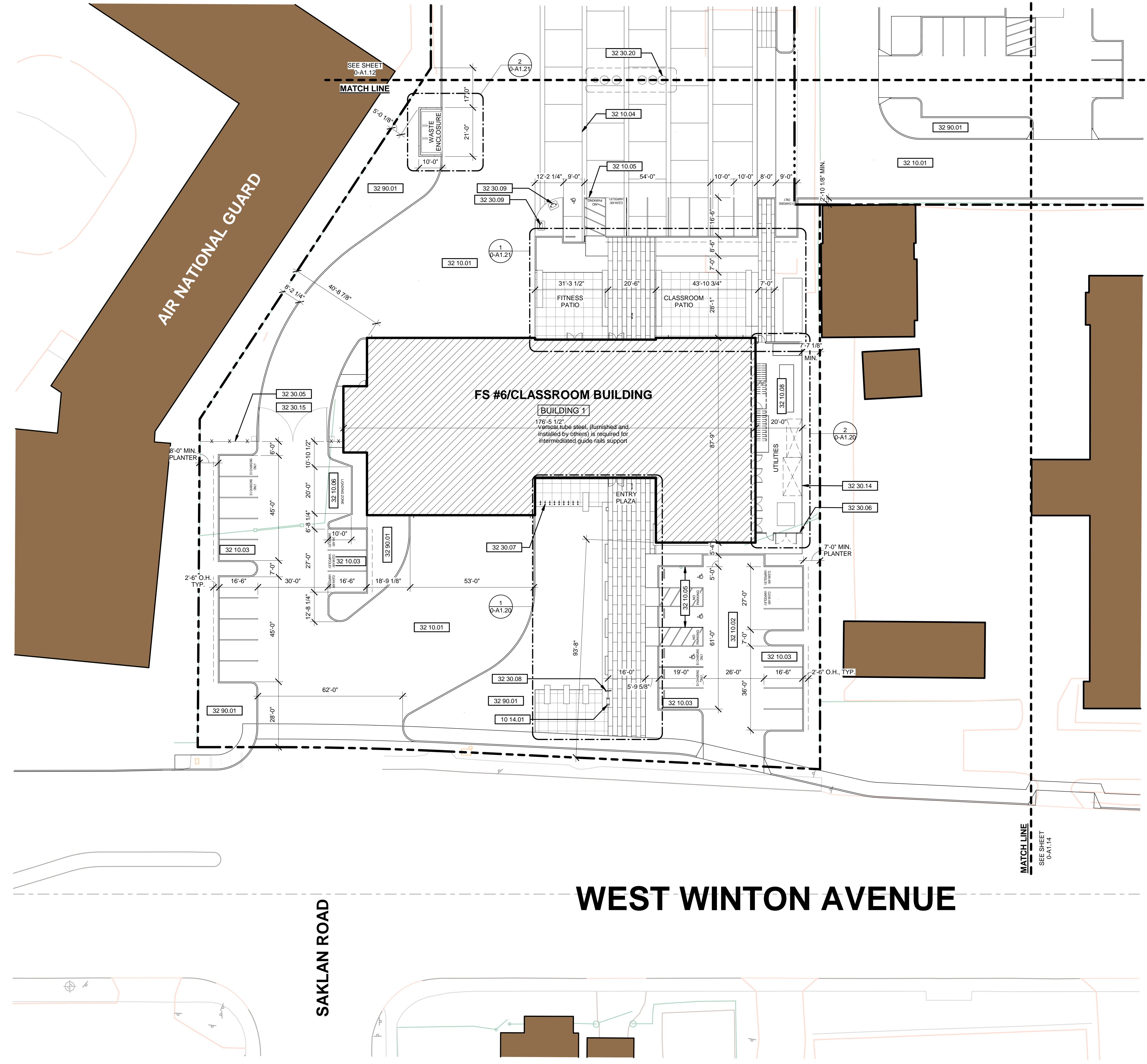
1. THE EXISTING SITE INFORMATION AND FEATURES SHOWN HEREIN ARE BASED UPON AN AERIAL SURVEY PERFORMED BY GEOTERRA ON APRIL 4, 2016 AND SUPPLEMENTAL FIELD SURVEY PERFORMED BY BKF ENGINEERS ON APRIL 27, 2016.
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SITE PLAN LEGEND

- PROPERTY LINE (SEE CIVIL DRAWINGS FOR LIMITS OF WORK)
- - - OUTLINE OF EXISTING BUILDING, TO BE DEMOLISHED AND REMOVED
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- . . . LEED BOUNDARY LINE
- - - ZONING ORDINANCE BUILDING SETBACK LINE
- EXISTING BUILDING, TO REMAIN
- ▨ NEW BUILDING FOOTPRINT

SHEET KEYNOTE LEGEND

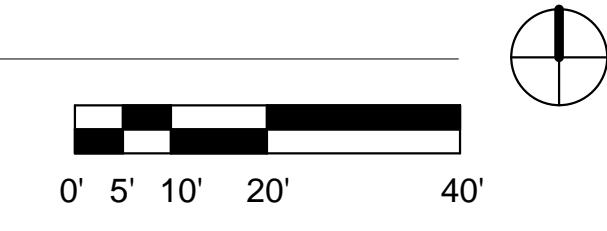
10 14.01	MAIN ENTRY MONUMENT SIGN WITH LIGHTING, SEE SIGNAGE DRAWINGS
32 10.01	CONCRETE PAVING, SEE CIVIL DRAWINGS
32 10.02	AC PAVING, SEE CIVIL DRAWINGS
32 10.03	PERMEABLE PAVERS IN PARKING STALLS, SEE CIVIL AND LANDSCAPE DRAWINGS
32 10.04	SPECIAL JOINT PATTERN IN CONCRETE PAVING, SEE LANDSCAPE DRAWINGS
32 10.05	ACCESSIBLE PARKING STALLS W/ SURFACE STRIPING AND POLE-MOUNTED SIGNAGE, SEE CIVIL DRAWINGS
32 10.06	LOADING ZONE WITH PERMEABLE PAVERS, SEE LANDSCAPE DRAWINGS
32 10.08	GRAVEL SITE SURFACING, SEE CIVIL AND LANDSCAPE DRAWINGS
32 30.05	DECORATIVE METAL SECURITY FENCE
32 30.06	8' HIGH PRIVACY FENCE AT SOUTH SIDE OF UTILITY YARD
32 30.07	BICYCLE RACK (1 OF 9), SEE LANDSCAPE PLANS FOR DETAILS
32 30.08	FLAGPOLE
32 30.09	DIESEL/GASOLINE DISPENSING STATION
32 30.14	8' HIGH CHAIN-LINK FENCE AT EAST SIDE OF UTILITY YARD
32 30.15	8' HIGH DOUBLE SWING GATE WITH ELECTRIC OPERATOR ON EACH LEAF
32 30.20	UNDERGROUND FUEL STORAGE TANK BELOW WITH AT-GRADE MANHOLES
32 90.01	LANDSCAPE AREA, SEE CIVIL AND LANDSCAPE DRAWINGS



WEST WINTON AVENUE

SAKLAN ROAD

1 ARCHITECTURAL SITE PLAN - SOUTHWEST QUADRANT  
1" = 20'-0"



PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.



**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**

1401 W. WINTON AVE.  
HAYWARD, CA 94545

**PLANNING SPR RESUBMITTAL**

**ARCHITECTURAL SITE PLAN - NORTHWEST QUADRANT**

Drawn By: EW Checked By: EW

Scale: As indicated

Date: February 1, 2018

Project No. 2016039


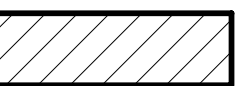
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2. SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL SITE IMPROVEMENT PLANS AND DETAILS.

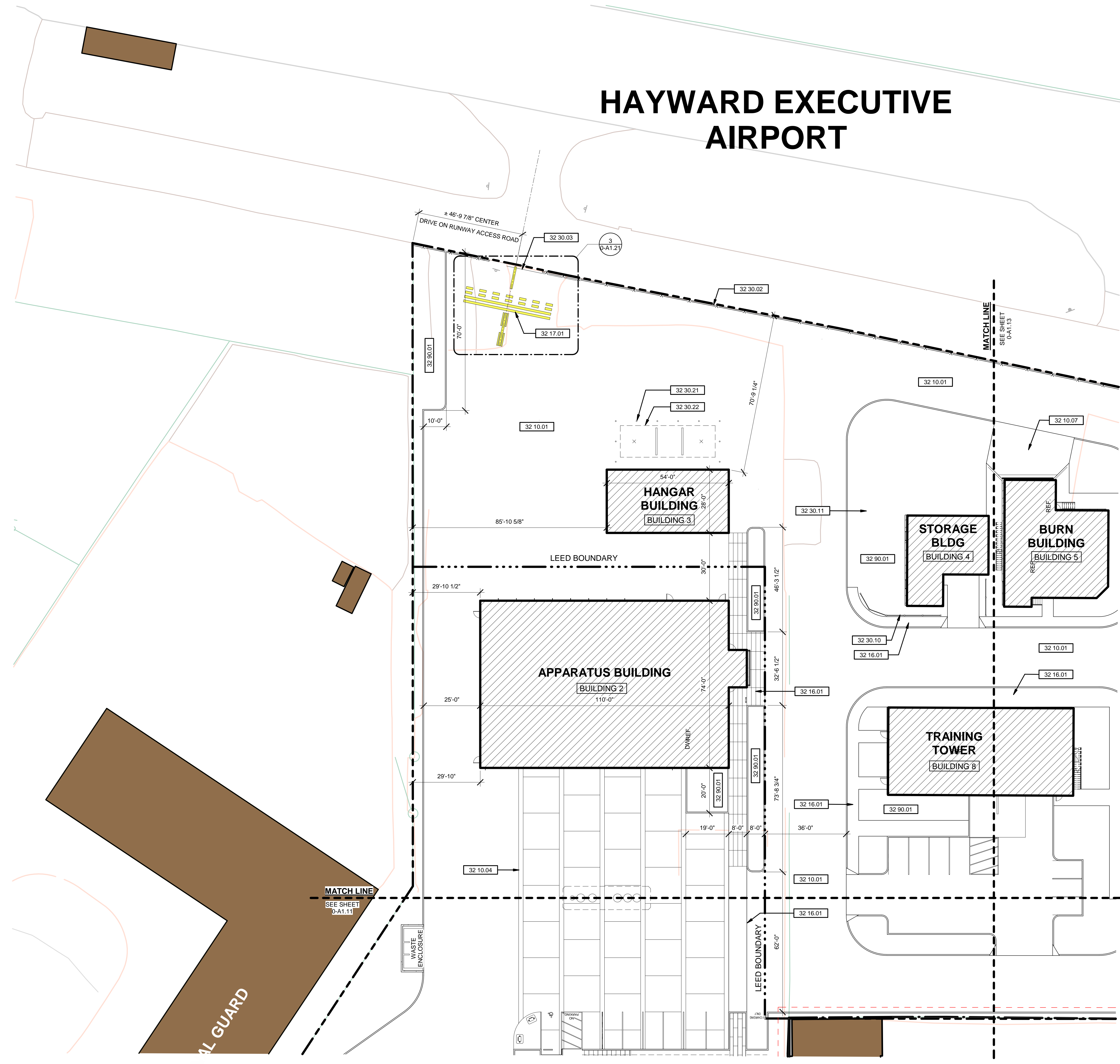
**SITE PLAN LEGEND**

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- - - OUTLINE OF EXISTING BUILDING, TO BE DEMOLISHED AND REMOVED
- - - PROJECT MATCH LINE
- . . . LEED BOUNDARY LINE
- - - ZONING ORDINANCE BUILDING SETBACK LINE
-  EXISTING BUILDING, TO REMAIN
-  NEW BUILDING FOOTPRINT

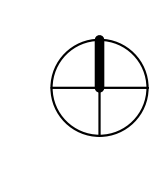
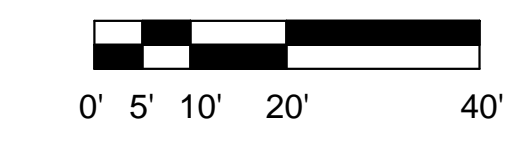
**SHEET KEYNOTE LEGEND**

32 10.01	CONCRETE PAVING. SEE CIVIL DRAWINGS
32 10.04	SPECIAL JOINT PATTERN IN CONCRETE PAVING. SEE LANDSCAPE DRAWINGS
32 10.07	PERMEABLE PAVERS ON SLOPED SURFACE DOWN TO BASEMENT. SEE BUILDING 5 DRAWINGS
32 16.01	NEW CONCRETE SIDEWALK. SEE CIVIL PLANS
32 17.01	PAINTED RUNWAY DESIGNATOR MARKINGS FOR TRAINING PURPOSES, CENTERED ON DRIVE. ALL MARKING LINE WIDTHS AND PAINT COLORS SHALL COMPLY WITH FAA STANDARDS.
32 30.02	4-FOOT HIGH CHAIN-LINK SECURITY FENCE ALONG COMMON LINE WITH AIRPORT PROPERTY
32 30.03	4-FOOT HIGH CHAIN-LINK SLIDING GATE WITH V-GROOVE WHEELS AND ELECTRIC OPERATOR. VERIFY OVERALL GATE LEAF LENGTH WITH OPERATOR SUPPLIER TO PROVIDE REQUIRED 'TAIL' AND ROLLBACK DISTANCE.
32 30.10	3' HIGH CONCRETE SPLIT-RAIL STYLE FENCE
32 30.11	CONCRETE SLAB UNDER FLASH OVER TRAILERS WITH SLOPE TO CENTER DRAIN, S.C.D.
32 30.21	PROTECTIVE PIPE BOLLARDS @ PUMP TEST PIT. SEE BUILDING 3 PLANS.
32 30.32	PUMP TEST PIT. SEE BUILDING 3 PLANS.
32 90.01	LANDSCAPE AREA. SEE CIVIL AND LANDSCAPE DRAWINGS

**HAYWARD EXECUTIVE AIRPORT**



1 ARCHITECTURAL SITE PLAN - NORTHWEST QUADRANT  
1" = 20'-0"



PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.



**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**

1401 W. WINTON AVE.  
HAYWARD, CA 94545

REVISIONS

No.	Description	Date

PLANNING SPR  
RESUBMITTAL

ARCHITECTURAL SITE PLAN -  
NORTHEAST QUADRANT

Drawn By: EW      Checked By: EW

Scale:  
As Indicated

Date:  
February 1, 2018

Project No.: 2016039

**0-A1.13**  
Drawing No.

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GENERAL SHEET NOTES

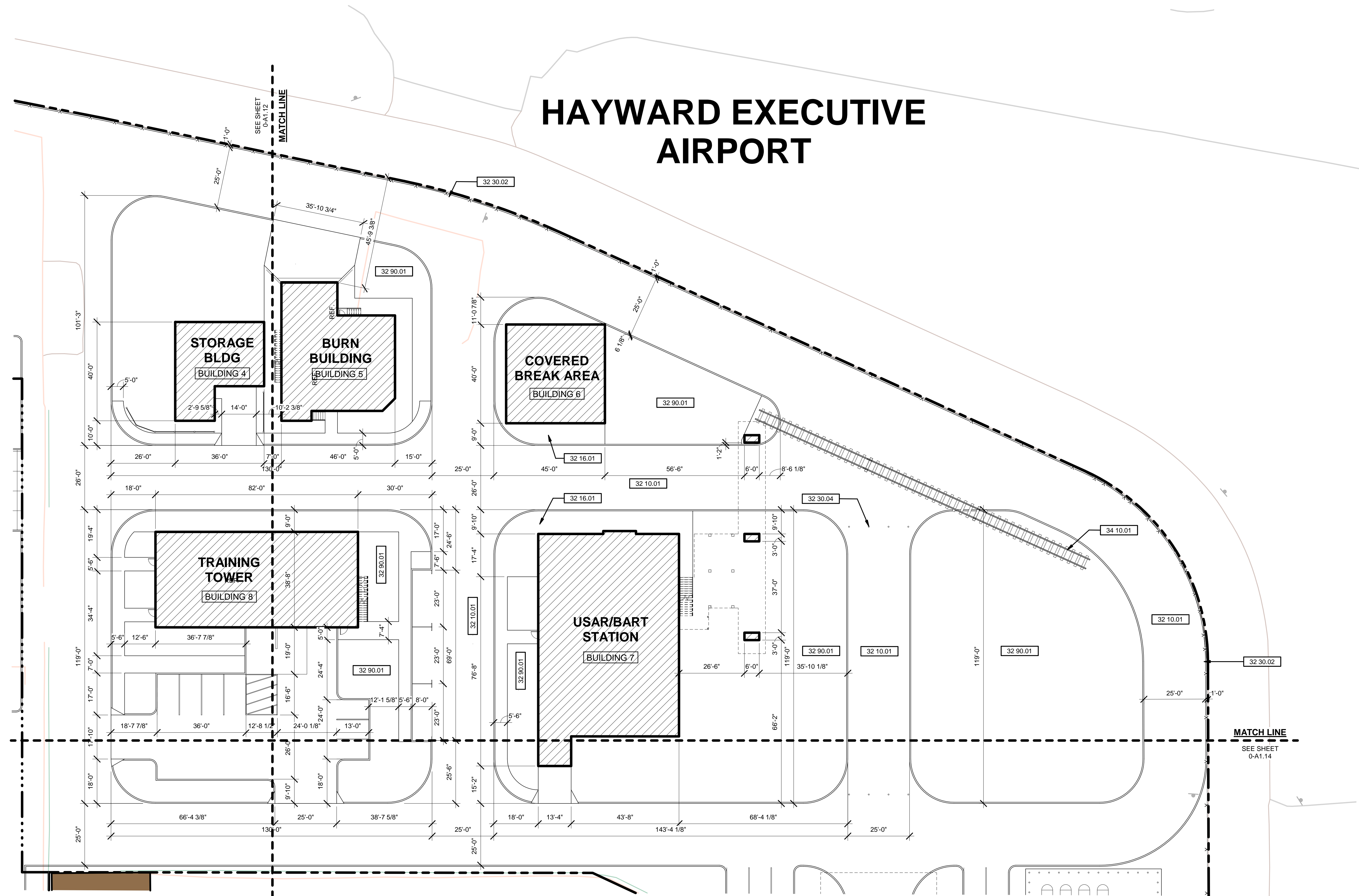
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2. SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL SITE IMPROVEMENT PLANS AND DETAILS.

SITE PLAN LEGEND

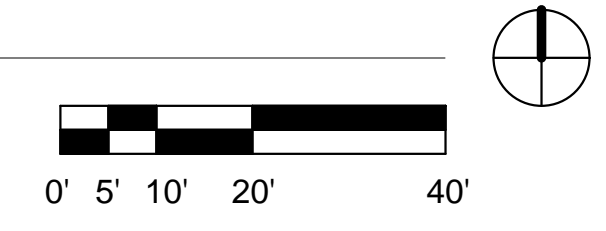
- PROPERTY LINE (SEE CIVIL DRAWINGS FOR LIMITS OF WORK)
- - - - - OUTLINE OF EXISTING BUILDING, TO BE DEMOLISHED AND REMOVED
- - - - - PROJECT MATCH LINE
- . . . . LEED BOUNDARY LINE
- - - - - ZONING ORDINANCE BUILDING SETBACK LINE
- EXISTING BUILDING, TO REMAIN
- ▨ NEW BUILDING FOOTPRINT

SHEET KEYNOTE LEGEND

32 10.01	CONCRETE PAVING, SEE CIVIL DRAWINGS
32 16.01	NEW CONCRETE SIDEWALK, SEE CIVIL PLANS
32 30.02	4-FOOT HIGH CHAIN-LINK SECURITY FENCE ALONG COMMON LINE WITH AIRPORT PROPERTY
32 30.04	(4) REMOVABLE PIPE BOLLARDS @ E.A. END OF STREET
32 90.01	LANDSCAPE AREA, SEE CIVIL AND LANDSCAPE DRAWINGS
34 10.01	AT-GRADE RAILROAD TRACK (A±150 LF)



1 ARCHITECTURAL SITE PLAN - NORTHEAST QUADRANT  
1" = 20'-0"



PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.



**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**

1401 W. WINTON AVE.  
HAYWARD, CA 94545

**PLANNING SPR RESUBMITTAL**

**ARCHITECTURAL SITE PLAN - SOUTHEAST QUADRANT**

Drawn By: EW  
Checked By: EW  
Scale: As Indicated  
Date: February 1, 2018  
Project No.: 2016039

**0-A1.14**  
Drawing No.

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**GENERAL SHEET NOTES**

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2. SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL SITE IMPROVEMENT PLANS AND DETAILS.

**SITE PLAN LEGEND**

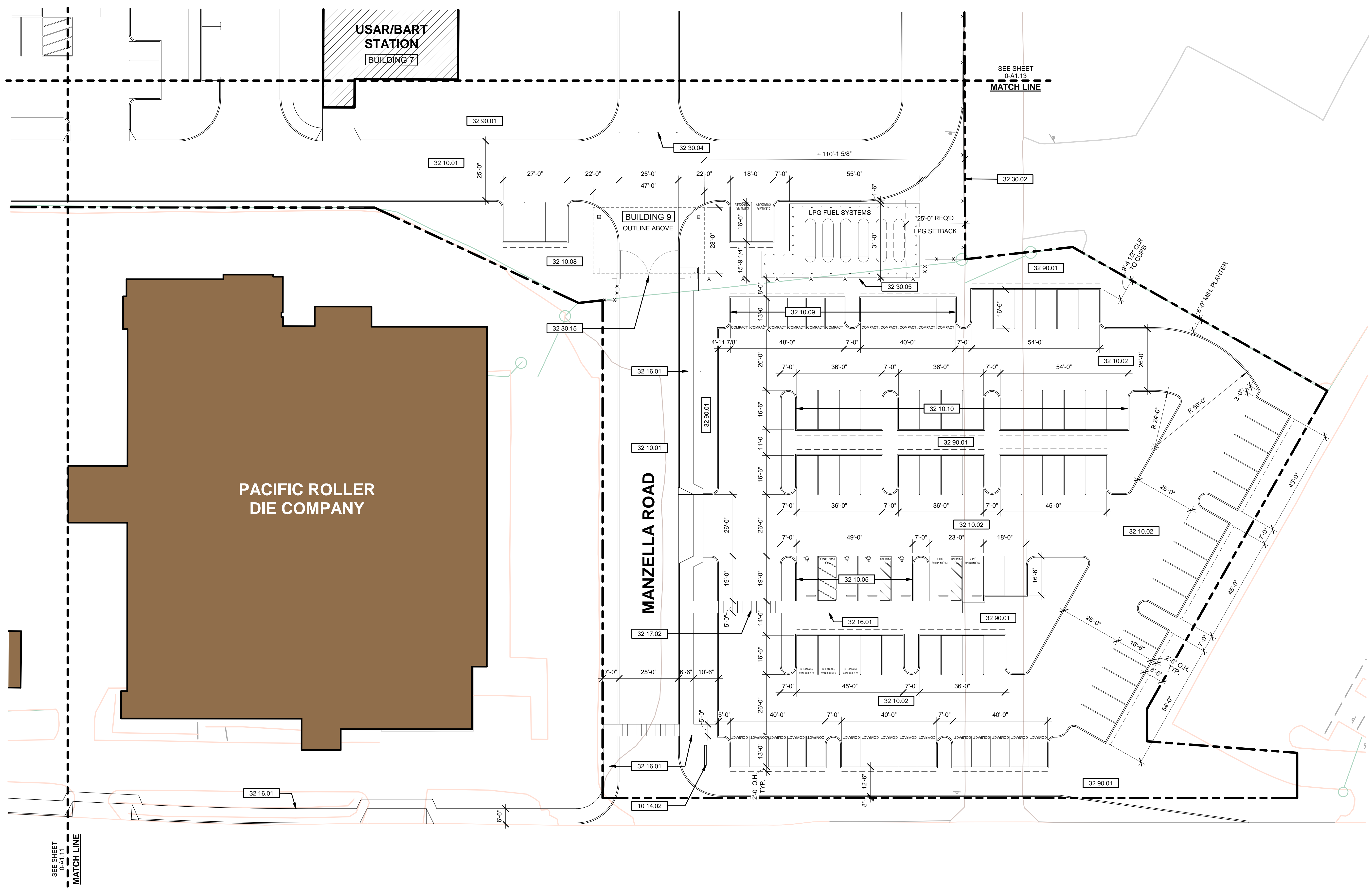
- PROPERTY LINE (SEE CIVIL DRAWINGS FOR LIMITS OF WORK)
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- - - PROJECT MATCH LINE
- . . . LEED BOUNDARY LINE
- - - ZONING ORDINANCE BUILDING SETBACK LINE
- EXISTING BUILDING, TO REMAIN
- ▨ NEW BUILDING FOOTPRINT

**SHEET KEYNOTE LEGEND**

10 14.02	PARKING MONUMENT SIGN, SEE SIGNAGE DRAWINGS
32 10.01	CONCRETE PAVING, SEE CIVIL DRAWINGS
32 10.02	AC PAVING, SEE CIVIL DRAWINGS
32 10.05	ACCESSIBLE PARKING STALLS W/ SURFACE STRIPING AND POLE-MOUNTED SIGNAGE, SEE CIVIL DRAWINGS
32 10.08	GRAVEL SITE SURFACING, SEE CIVIL AND LANDSCAPE DRAWINGS
32 10.09	8' X 15' COMPACT STALL, TYP.
32 10.10	9' X 18' STANDARD STALL, TYP. U.N.O.
32 16.01	NEW CONCRETE SIDEWALK, SEE CIVIL PLANS
32 17.02	PAINTED PEDESTRIAN CROSSWALK, WITH 4 INCH STRIPING @ 2'-0" O.C.
32 30.02	4-FOOT HIGH CHAIN-LINK SECURITY FENCE ALONG COMMON LINE WITH AIRPORT PROPERTY
32 30.04	(4) REMOVABLE PIPE BOLLARDS @ EA. END OF STREET
32 30.05	DECORATIVE METAL SECURITY FENCE
32 30.15	8' HIGH DOUBLE SWING GATE WITH ELECTRIC OPERATOR ON EACH LEAF
32 90.01	LANDSCAPE AREA, SEE CIVIL AND LANDSCAPE DRAWINGS

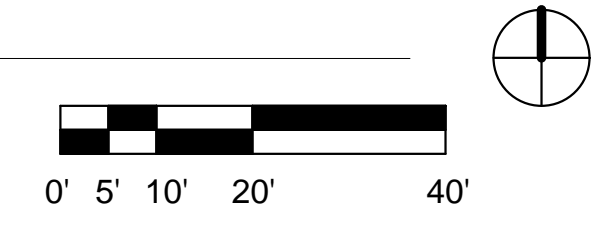
**REVISIONS**

No. Description Date



**WEST WINTON AVENUE**

1 ARCHITECTURAL SITE PLAN - SOUTHEAST QUADRANT  
1" = 20'-0"



PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.



ARCHITECTURE



ENGINEERS SURVEYORS PLANNERS 200 4TH ST. STE. 300 SANTA ROSA, CA 95401 PHONE: (707) 583-8500 FAX: (707) 583-8539

HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER

1401 W. WINTON AVE. HAYWARD, CA 94545

REVISIONS

Table with 3 columns: No., Description, Date

PLANNING SPR RESUBMITTAL

PROJECT INFORMATION

Table with 2 columns: Field, Value (e.g., Sheet Title, Drawn By, Scale)

0-C0.1

SYMBOLS & LEGEND table listing existing and proposed symbols for benchmarks, valves, fire hydrants, traffic signals, trees, property lines, etc.

ABBREVIATIONS table listing codes for materials like concrete, asphalt, gravel, and construction items like trench, storm drain, etc.

BLASTING (IF REQUIRED) REQUIRES A PERMIT FROM THE CITY OF HAYWARD FIRE DEPARTMENT. PRIOR TO ANY GRADING OPERATION, THE GRADING CONTRACTOR SHALL JOINTLY SEARCH THE SITE FOR EXISTING WELLS AND SEPTIC SYSTEMS...

IMPROVEMENTS RELATED TO THE WATER SERVICE REPLACEMENT FROM THE WATER METER TO THE CONNECTION AT THE MUNICIPAL WATER MAIN TO BE PERFORMED BY CITY OF HAYWARD FORCES.

THERE SHALL BE NO UNMETERED CONNECTIONS TO THE CITY OF HAYWARD WATER SYSTEM INCLUDING CONNECTIONS BYPASSING THE METER FOR TESTING ON-SITE PLUMBING OR FOR OBTAINING CONSTRUCTION WATER...

CONTRACTOR SHALL CONTACT CITY OF HAYWARD PUBLIC WORKS DEPARTMENT FOR FINAL INSPECTION OF ALL SEWER MAINS AND LATERALS, ALL SEWER MAINS AND LATERALS MUST BE CLEANED & MANHOLED PRIOR TO CITY ACCEPTANCE.

UTILITY CONFLICTS MAY OCCUR IN THOSE INSTANCES WHERE TWO GRAVITY UTILITIES CROSS AND LACK THE REQUIRED SEPARATION, OR IN THOSE INSTANCES WHERE AN EXISTING UTILITY HAS NOT BEEN IDENTIFIED IN THE CONSTRUCTION DOCUMENTS.

CROSSING UTILITIES WHICH HAVE BEEN IDENTIFIED IN THE CONSTRUCTION DOCUMENTS MAY NOT BE CONSTRUED AS UTILITY CONFLICTS. INSTALL GRAVITY UTILITIES ABOVE OR BELOW IDENTIFIED EXISTING UTILITIES...

EROSION CONTROL NOTES ALL PROJECTS SHALL HAVE A CITY APPROVED EROSION AND SEDIMENT CONTROL PLAN OR A SWRCB STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SPECIFIC FOR THE PROJECT...

THE EROSION AND SEDIMENT CONTROL PLAN SHALL EMPHASIZE SOURCE CONTROL AND ADDRESS CONTROLLING WATER AND WIND EROSION, SEDIMENTATION, TRASH AND OTHER POSSIBLE POLLUTANTS USING BEST MANAGEMENT PRACTICES (BMPs)...

TRASH OR MATERIALS DEPOSITED OR TRACKED ONTO THE PUBLIC RIGHT-OF-WAY SHALL BE REMOVED DAILY. THE EROSION AND SEDIMENT CONTROL PLAN SHALL INCLUDE A STATEMENT DESCRIBING THE LOCATION OF BMPs AND RATIONALE FOR BMP SELECTION...

AFTER CONSTRUCTION IS COMPLETED ALL STORM DRAIN SYSTEMS IMPACTED BY THIS PROJECT SHALL BE CLEANED OF ACCUMULATED SEDIMENT AND DEBRIS AND INSPECTED. STORM DRAIN CLEANING/FLUSHING WATER SHALL NOT BE DISCHARGED TO THE STORM DRAIN.

HYDROSEED SHALL BE EITHER APPLIED MECHANICALLY OR BY HYDROSEEDING. HYDROSEEDING REQUIRES THE APPLICATION OF FIBER AND STABILIZING EMULSION. MECHANICAL APPLICATION SHALL REQUIRE ROLLING, TAMPING, OR OTHERWISE WORKING THE SEED APPROXIMATELY 0.5 INCHES INTO THE TOPSOIL.

STABILIZATION OF EXPOSED GRADED AREAS WITH STRAW MULCH SHALL BE APPLIED AT A RATE OF 2 TONS PER ACRE.

TOPOGRAPHIC INFORMATION SHOWN HEREON WAS OBTAINED FROM AN AERIAL SURVEY CONDUCTED BY GEOTERRA ON APRIL 4, 2016 AND SUPPLEMENTED BY A FIELD SURVEY CONDUCTED BY BKF ENGINEERS ON APRIL 27, 2016 AND JULY 13, 2017.

BENCHMARK: MAGNETIC NAIL SET IN ASPHALT CONCRETE ALONG THE SOUTH SIDE OF WEST WINTON AVENUE, APPROXIMATELY 18 FEET FROM THE DRIVEWAY SERVING 1410 WEST WINTON AVENUE, LOCATION SHOWN HEREON. ELEVATION 38.71'

BASES OF BEARING: VERTICAL DATUM NAVD 88 BASED ON GPS OBSERVATIONS.

EXCESS AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE TO AN AREA APPROVED BY THE CITY BUILDING DIVISION AND CITY FIRE DEPARTMENT. APPROVALS MUST BE IN WRITING PRIOR TO REMOVAL OF MATERIAL.

HAZARDOUS MATERIAL SHALL BE REMOVED AND DISPOSED OF ACCORDING TO THE REQUIREMENTS OF THE CITY'S FIRE DEPARTMENT. THE APPLICANT IS REQUIRED TO DEMONSTRATE COMPLIANCE WITH STATE AND LOCAL CODES FOR REMOVAL OF ASBESTOS CONTAINING MATERIALS DURING DEMOLITION OF ANY STRUCTURES ON THE PROJECT SITE.

PRIOR TO ANY GRADING OPERATION, THE CONTRACTOR SHALL INSTALL PROTECTIVE FENCING AROUND THE DRIP LINE OF TREES TO BE SAVED IN COMPLIANCE WITH THE CITY TREE ORDINANCE. THE CUTTING, FILLING, PAVING OR TRENCING WITHIN ROOT ZONES OF TREES TO BE SAVED MUST BE REVIEWED AND APPROVED BY A CITY APPROVED ARBORIST AND PERFORMED UNDER THEIR OWN SITE SUPERVISION.

DEVELOPMENT MUST CONFORM TO 40 CFR (CODE OF FEDERAL REGULATIONS) PARTS 122, 123 AND 124 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT APPLICATIONS FOR STORM WATER DISCHARGE. PROJECT MUST ALSO CONFORM WITH ANY DESIGN AND CONSTRUCTION POLICIES ADOPTED BY THE CITY TO CONFORM WITH THESE REGULATIONS.

UNDER 40 CFR, CONSTRUCTION ACTIVITY INCLUDES CLEARING, GRADING AND EXCAVATION ACTIVITIES. THESE ACTIVITIES REQUIRE OBTAINING AN NPDES PERMIT FROM THE STATE WATER RESOURCES CONTROL BOARD FOR PROJECTS WHICH QUALIFY, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITY.

- 33. THE CONTRACTOR SHALL CONTROL DUST AT ALL TIMES AND SWEEP STREETS AS OFTEN AS NECESSARY DURING CONSTRUCTION AS REQUIRED BY THE CITY ENGINEER. 34. ALL ASPHALT CONCRETE AND PORTLAND CEMENT CONCRETE TO BE REMOVED SHALL FIRST BE FULL DEPTH SAW-CUT. ALL SIDEWALKS SHALL BE REMOVED TO THE NEAREST JOINT OR SCORE MARK BEYOND THE POINT IDENTIFIED IN THE PLAN.

PLACE EQUIPMENT OR VEHICLES, WHICH ARE BEING FUELED, MAINTAINED AND STORED, IN A DESIGNATED AREA FITTED WITH APPROPRIATE BMPs. AT A MINIMUM, ALL BMPs WILL BE INSPECTED EACH WORKING DAY AND BEFORE ALL RAIN EVENTS.

CONTRACTOR SHALL OBTAIN AND PAY FOR ALL CONSTRUCTION PERMITS REQUIRED BY THE CITY OF HAYWARD (SUCH AS ENCROACHMENT, GRADING, BUILDING, DEMOLITION ETC.) PRIOR TO COMMENCEMENT OF WORK.

THE CONTRACTOR SHALL OBTAIN A TRENCH PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO EXCAVATION OF ANY TRENCH OVER FIVE FEET IN DEPTH.

ALL TRENCH SPOILS SHALL BE REMOVED AS THEY ARE GENERATED OR DISPOSED OF ON SITE AS REQUIRED BY THE GRADING PERMIT. EXCESS/UNSUITABLE MATERIAL DISPOSED OF OFFSITE AT AN APPROVED LOCATION BY ENGINEERING SERVICES CONTAIN AND SECURELY PROTECT STOCKPILED TRENCH BACKFILL AND WASTE MATERIAL FROM WIND AND RAN AT ALL TIMES UNLESS ACTIVELY BEING USED.

CONTRACTOR SHALL SECURE A TRENCH PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO EXCAVATION OF ANY TRENCH OVER FIVE FEET IN DEPTH.

IF CONTAMINATED MATERIAL IS ENCOUNTERED DURING CONSTRUCTION, WORK MUST STOP UNTIL A WORK PLAN HAS BEEN APPROVED IN WRITING BY THE CITY FIRE DEPARTMENT AND THE NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD (NCRWQCB). HAZARDOUS MATERIAL SHALL BE REMOVED AND DISPOSED OF ACCORDING TO THE REQUIREMENTS OF THE CITY'S FIRE DEPARTMENT.

SEWER AND/OR WATER CONNECTIONS TO EXISTING RESIDENCES REQUIRE A PLUMBING PERMIT FROM THE CITY BUILDING INSPECTION DIVISION BY CALLING 510-583-4727.

THE DESIGN PROFESSIONAL WHO PREPARED THESE DRAWINGS IS NOT RESPONSIBLE FOR THE MISUSE OF, OR UNAUTHORIZED CHANGES MADE TO THESE DRAWINGS. OBTAIN WRITTEN PERMISSION FROM THE DESIGN PROFESSIONAL WHO PREPARED THESE DRAWINGS PRIOR TO MAKING CHANGES.

OPINION OF PROBABLE EARTHWORK QUANTITIES MATERIAL MOVED ON SITE X CY IMPORT X CY EXPORT X CY

THE CONTRACTOR IS CAUTIONED NOT TO ORDER ITEMS OR INSTALL EQUIPMENT UNTIL CONFLICTS ARE RESOLVED. THE DRAWINGS MAY NOT INSTALLED OR ORDERED PRIOR TO CONFLICT RESOLUTION SHALL BE DONE SOLELY AT THE CONTRACTOR'S RISK AND AT NO EXPENSE TO THE OWNER, THE DESIGN PROFESSIONAL, OR THE CITY OF HAYWARD.

GRADING NOTES NO GRADING, CLEARING OR GRUBBING SHALL BE PERFORMED PRIOR TO ISSUANCE OF A GRADING PERMIT BY THE CITY OF HAYWARD. THE DUST CONTROL SHALL BE PROVIDED BY CONTRACTOR DURING ALL PHASES OF CONSTRUCTION.

EXCESS AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE TO AN AREA APPROVED BY THE CITY BUILDING DIVISION AND CITY FIRE DEPARTMENT. APPROVALS MUST BE IN WRITING PRIOR TO REMOVAL OF MATERIAL.

HAZARDOUS MATERIAL SHALL BE REMOVED AND DISPOSED OF ACCORDING TO THE REQUIREMENTS OF THE CITY'S FIRE DEPARTMENT. THE APPLICANT IS REQUIRED TO DEMONSTRATE COMPLIANCE WITH STATE AND LOCAL CODES FOR REMOVAL OF ASBESTOS CONTAINING MATERIALS DURING DEMOLITION OF ANY STRUCTURES ON THE PROJECT SITE.

PRIOR TO ANY GRADING OPERATION, THE CONTRACTOR SHALL INSTALL PROTECTIVE FENCING AROUND THE DRIP LINE OF TREES TO BE SAVED IN COMPLIANCE WITH THE CITY TREE ORDINANCE. THE CUTTING, FILLING, PAVING OR TRENCING WITHIN ROOT ZONES OF TREES TO BE SAVED MUST BE REVIEWED AND APPROVED BY A CITY APPROVED ARBORIST AND PERFORMED UNDER THEIR OWN SITE SUPERVISION.

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- CITY OF HAYWARD GENERAL NOTES 1. DESIGN INTENT: THESE DRAWINGS REPRESENT THE GENERAL DESIGN INTENT TO BE IMPLEMENTED ON THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING CITY OF HAYWARD FOR ANY ADDITIONAL CLARIFICATION OR DETAILS NECESSARY TO ACCOMMODATE SITE CONDITIONS OR DETAILS. 2. CONTRACTOR COORDINATION: EACH CONTRACTOR SHALL COORDINATE AND OTHERWISE INTEGRATE WORK WITH THAT OF OTHERS IN AN EFFICIENT AND TIMELY MANNER...







**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**

1401 W. WINTON  
AVE. HAYWARD, CA  
94545

REVISIONS		
No.	Description	Date

**PLANNING SPR  
RESUBMITTAL**

**GRADING PLAN**

Drawn By: JP      Checked By: BCJ

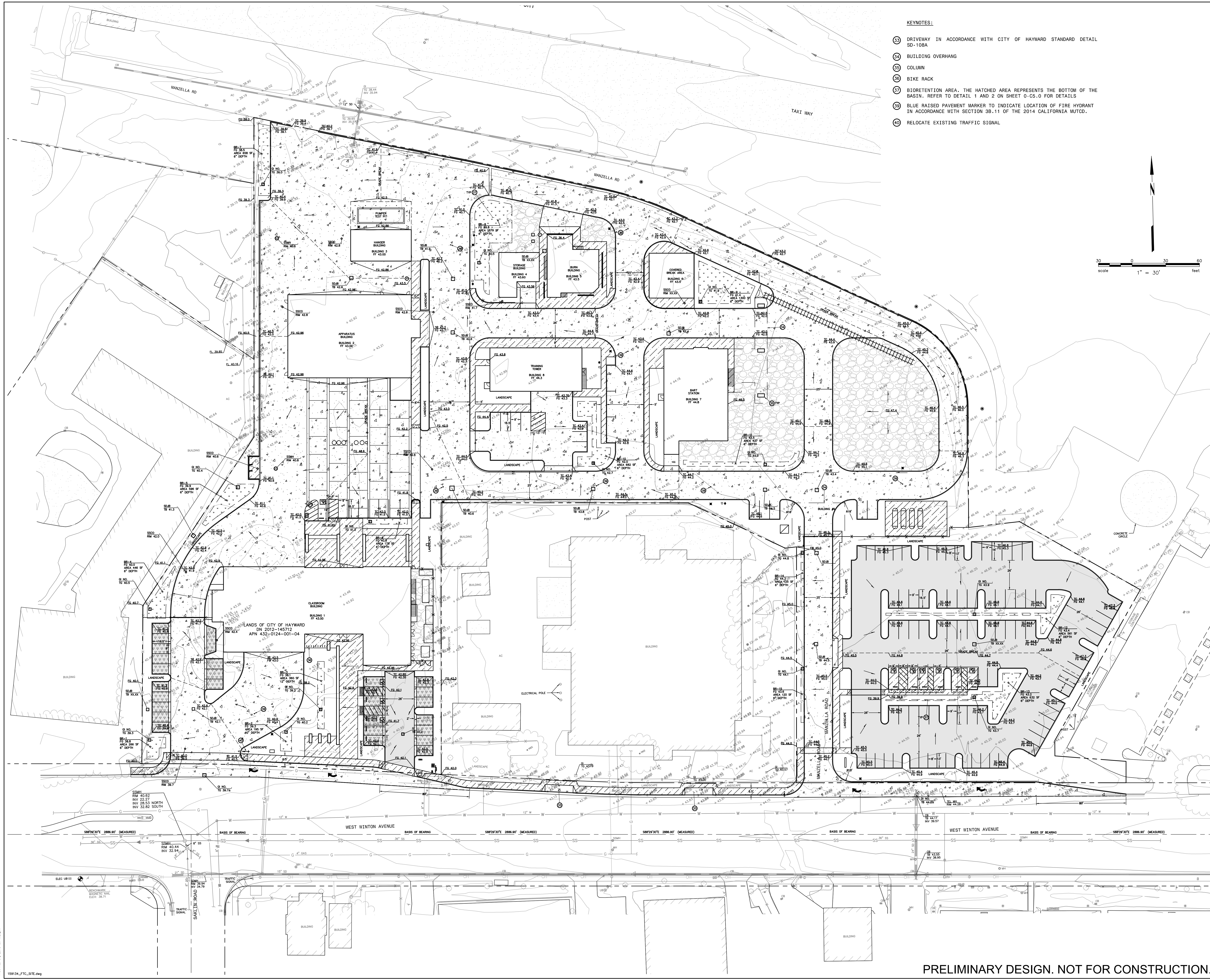
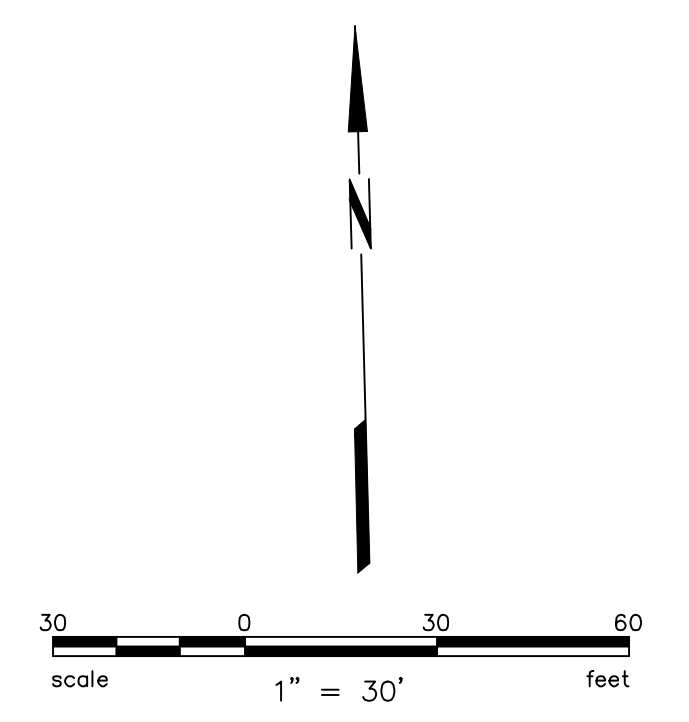
Scale: AS SHOWN

Date: FEBRUARY 1, 2018

Project No.: 20159134

**0-C2.0**  
Drawing No.

- KEYNOTES:**
- 33 DRIVEWAY IN ACCORDANCE WITH CITY OF HAYWARD STANDARD DETAIL SD-108A
  - 34 BUILDING OVERHANG
  - 35 COLUMN
  - 36 BIKE RACK
  - 37 BIORETENTION AREA. THE HATCHED AREA REPRESENTS THE BOTTOM OF THE BASIN. REFER TO DETAIL 1 AND 2 ON SHEET 0-C5.0 FOR DETAILS
  - 38 BLUE RAISED PAVEMENT MARKER TO INDICATE LOCATION OF FIRE HYDRANT IN ACCORDANCE WITH SECTION 3B.11 OF THE 2014 CALIFORNIA MUTCD.
  - 39 RELOCATE EXISTING TRAFFIC SIGNAL



PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.



**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**

1401 W. WINTON  
AVE. HAYWARD, CA  
94545

REVISIONS		
No.	Description	Date

**PLANNING SPR  
RESUBMITTAL**

Sheet Title  
**HARDSCAPE PLAN**

Drawn By: JP Checked By: BCJ

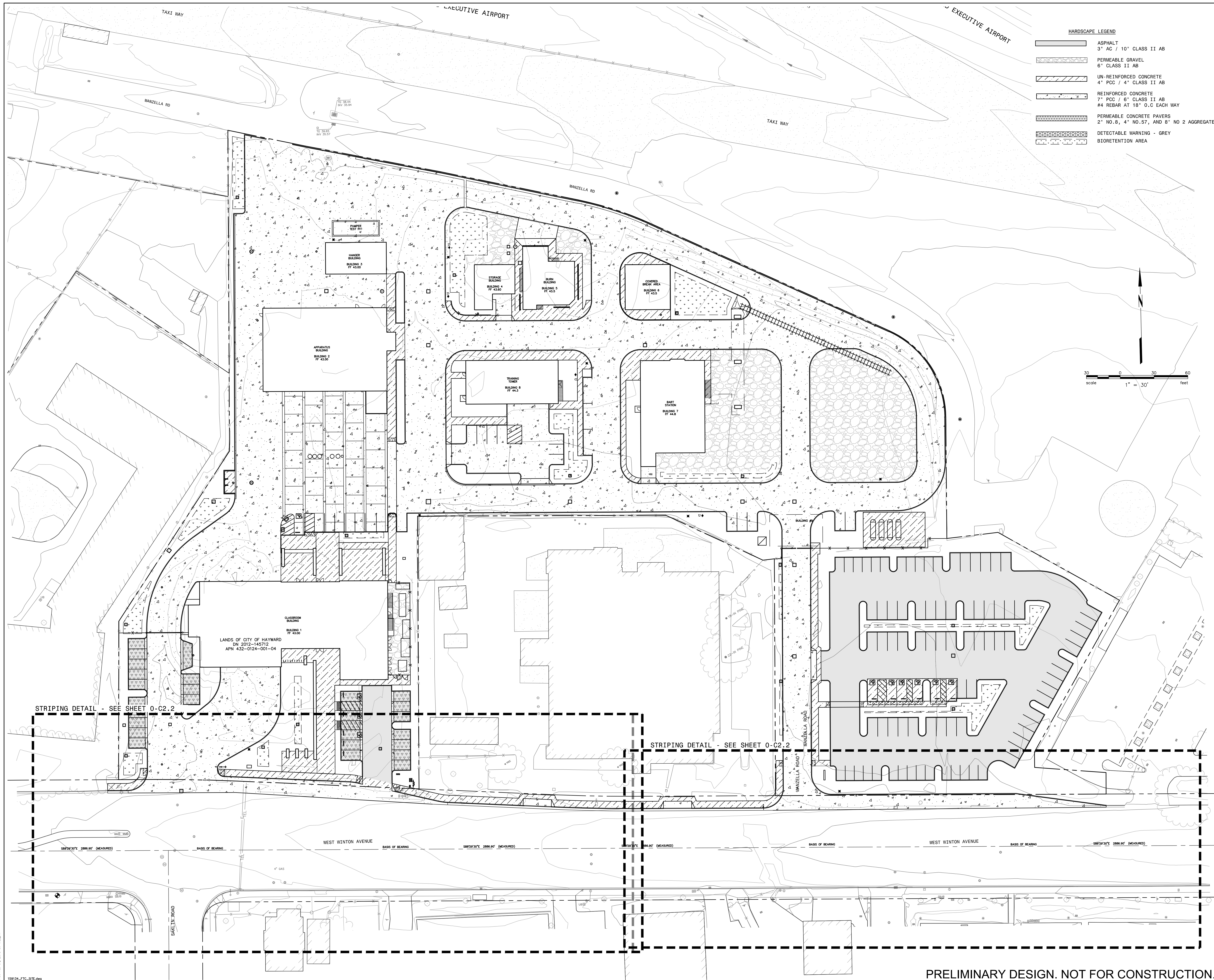
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Date: FEBRUARY 1, 2018

Project No.: 20159134

**0-C2.1**  
Drawing No.

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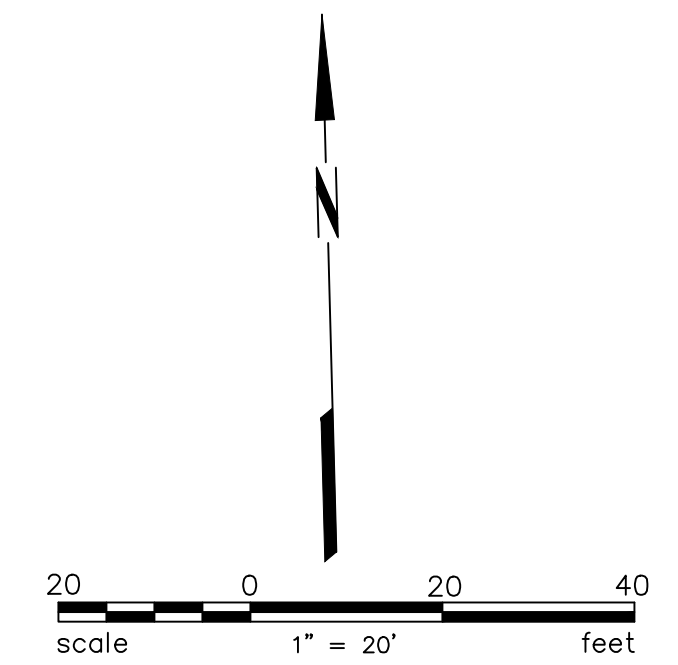
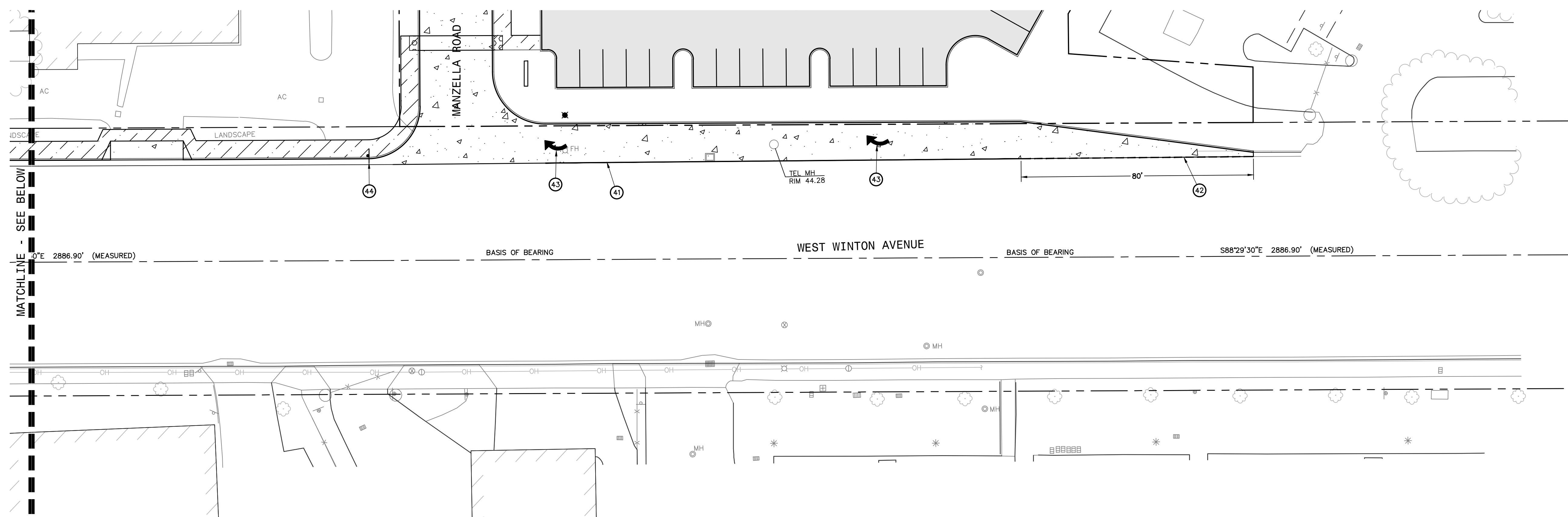
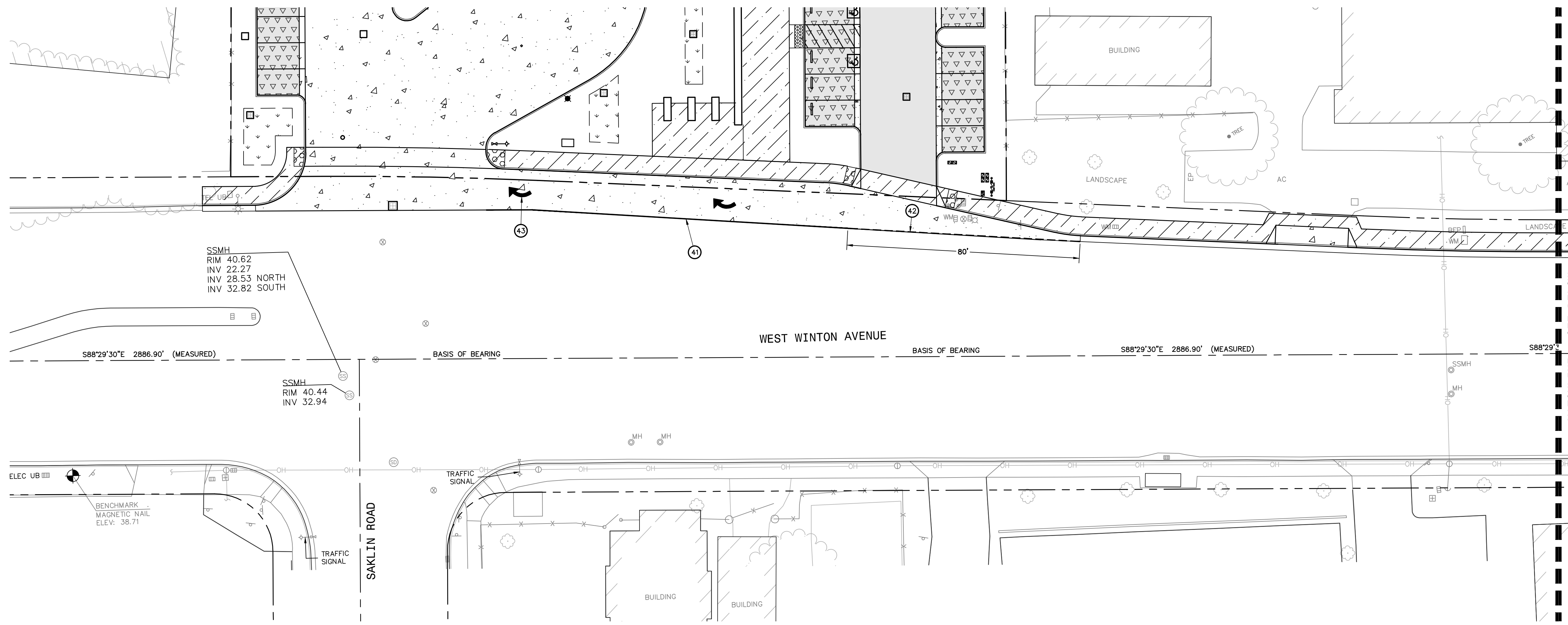
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**HARDSCAPE LEGEND**

	ASPHALT 3" AC / 10" CLASS II AB
	PERMEABLE GRAVEL 6" CLASS II AB
	UN-REINFORCED CONCRETE 4" PCC / 4" CLASS II AB
	REINFORCED CONCRETE 7" PCC / 6" CLASS II AB #4 REBAR AT 18" O.C EACH WAY
	PERMEABLE CONCRETE PAVERS 2" NO. 8, 4" NO. 57, AND 8" NO 2 AGGREGATE
	DETECTABLE WARNING - GREY
	BIORETENTION AREA

- KEYNOTES:**
- ① CHANNELIZING LINE IN ACCORDANCE WITH DETAIL 38 OF CALTRANS STANDARD PLAN A200
  - ② LANE DROP LINE IN ACCORDANCE WITH DETAIL 37 OF CALTRANS STANDARD PLAN A200
  - ③ TYPE IV (R) ARROW IN ACCORDANCE WITH CALTRANS STANDARD PLAN A24A
  - ④ INSTALL R3-5 MANDATORY LANE CONTROL SIGN IN ACCORDANCE WITH MUTCD AND HAYWARD TRAFFIC STANDARDS (30" X36")
  - ⑤ RELOCATE EXISTING HYDRANT

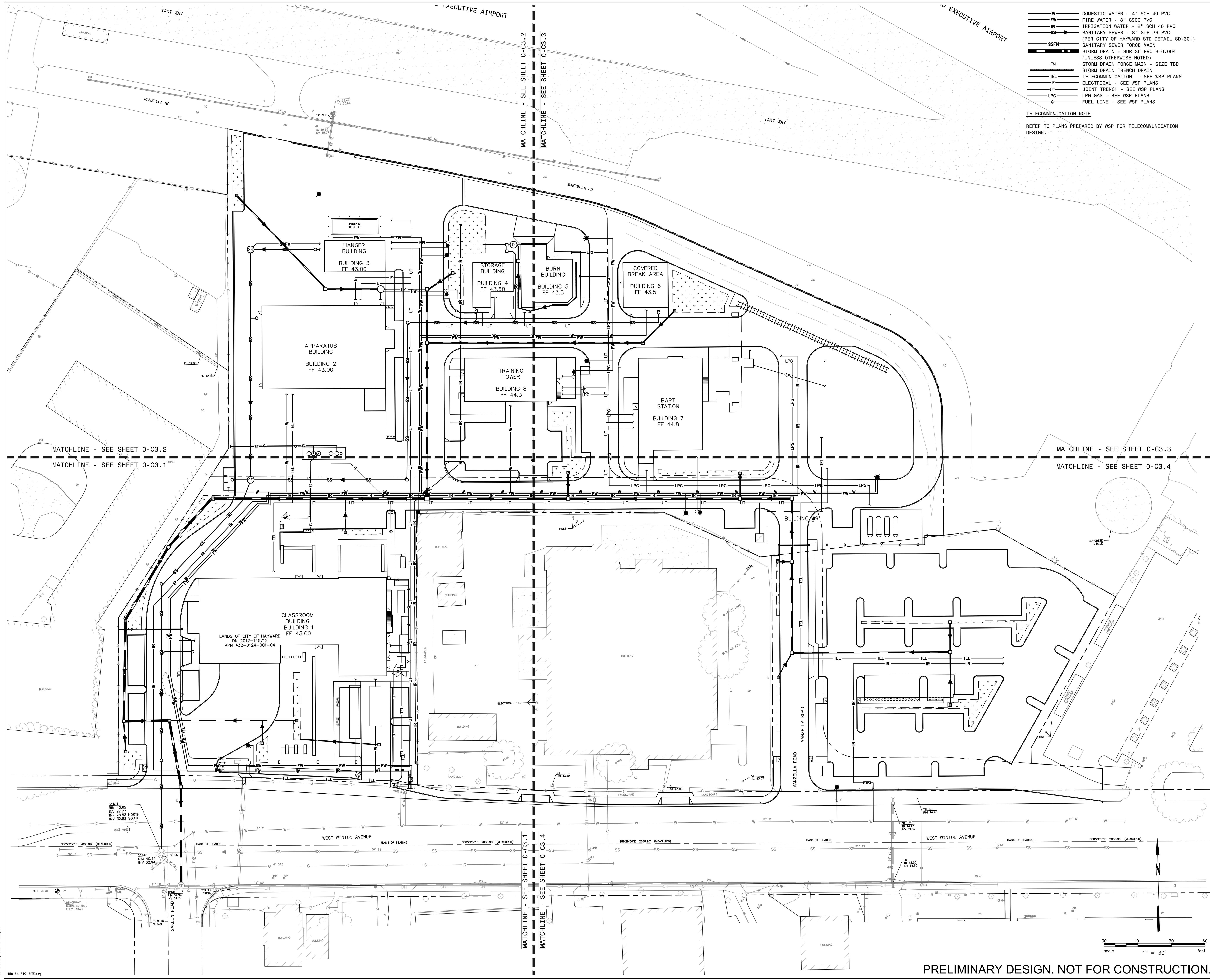


PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.



- W DOMESTIC WATER - 4" SCH 40 PVC
- FW FIRE WATER - 8" C900 PVC
- IR IRRIGATION WATER - 2" SCH 40 PVC
- SS SANITARY SEWER - 8" SDR 26 PVC (PER CITY OF HAYWARD STD DETAIL SD-301)
- SSFM SANITARY SEWER FORCE MAIN
- SDR STORM DRAIN - SDR 35 PVC S=0.004 (UNLESS OTHERWISE NOTED)
- FM STORM DRAIN FORCE MAIN - SIZE TBD
- STDR STORM DRAIN TRENCH DRAIN
- TEL TELECOMMUNICATION - SEE WSP PLANS
- E ELECTRICAL - SEE WSP PLANS
- UT JOINT TRENCH - SEE WSP PLANS
- LPG LPG GAS - SEE WSP PLANS
- G FUEL LINE - SEE WSP PLANS

TELECOMMUNICATION NOTE  
REFER TO PLANS PREPARED BY WSP FOR TELECOMMUNICATION DESIGN.

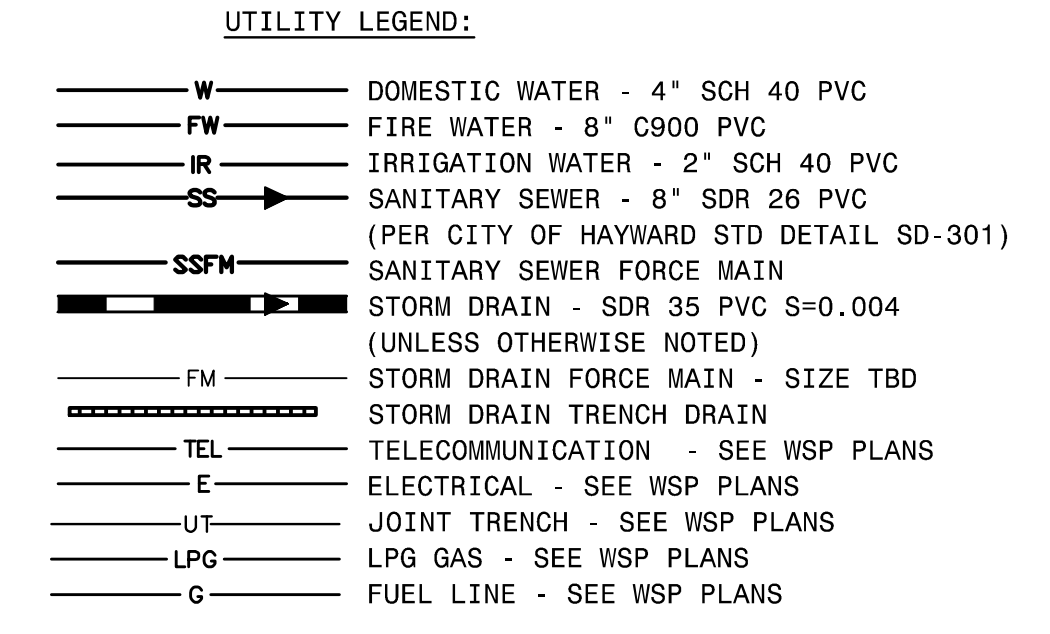


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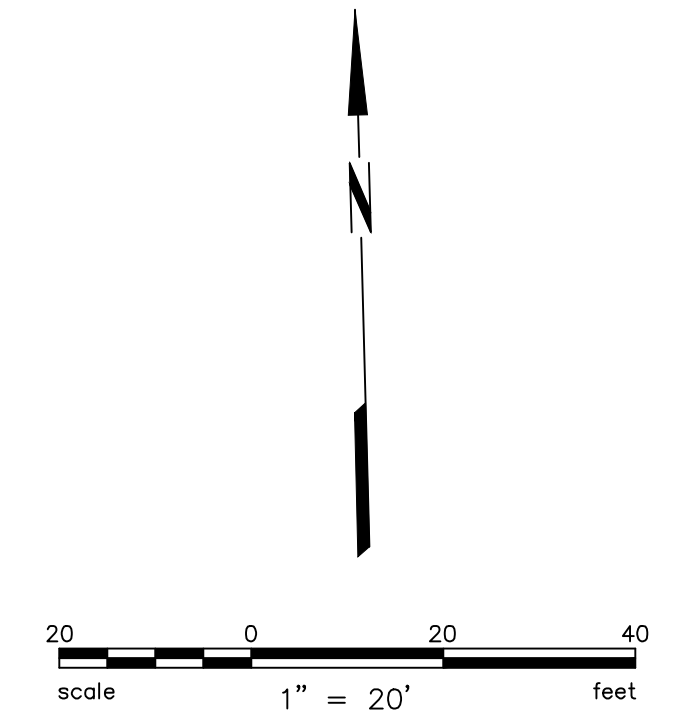
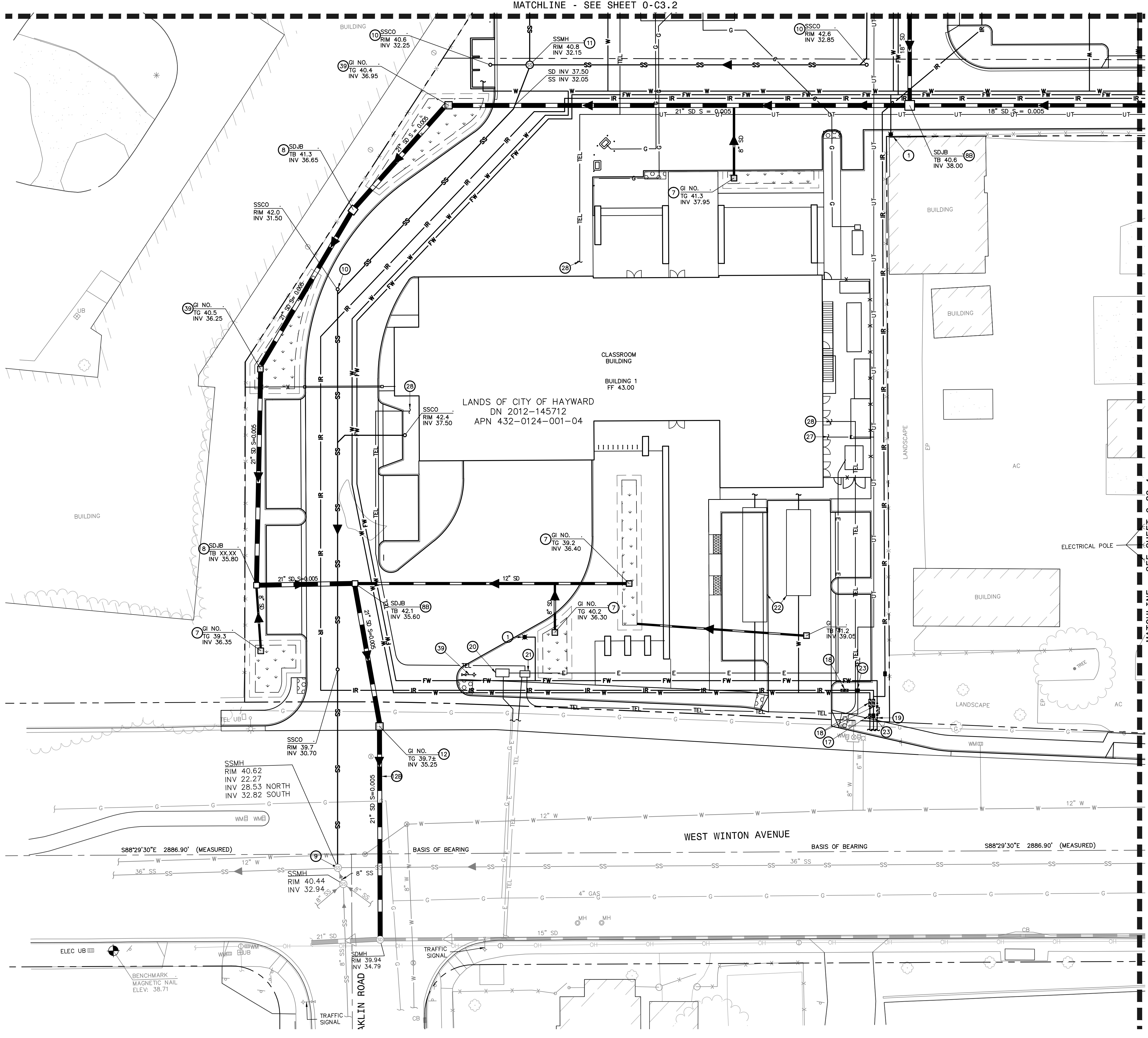
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- KEYNOTES:**
- 1 DOUBLE STEAMER FIRE HYDRANT WITH (2) 4-1/2" OUTLETS AND 1 (2-1/2" OUTLET. INSTALL BLUE REFLECTIVE DOT MARKER IN ROADWAY.
  - 2 FIRE DEPARTMENT CONNECTION (FDC) / PIV CONNECTIONS
  - 3 ENCLOSED PROPANE TANKS ON CONCRETE PAD
  - 4 DIESEL FUEL STATION ON CONCRETE PAD
  - 5 TRENCH DRAIN- ACO KLASSIK WITH 1/4" GRATE
  - 6 STORM DRAIN SOLIDS HANDLING PUMP STATION
  - 7 18"x18" CONCRETE STORMWATER OVERFLOW INLET IN BIORETENTION AREA
  - 8 24"x24" CONCRETE STORMWATER JUNCTION BOX
  - 9 36"x36" CONCRETE STORMWATER JUNCTION BOX
  - 10 TIE NEW SITE WASTEWATER LATERAL INTO CITY OF HAYWARD MUNICIPAL SEWER SYSTEM AT MANHOLE
  - 11 SANITARY SEWER CLEANOUT PER CITY OF HAYWARD SD-313
  - 12 SANITARY SEWER MANHOLE PER CITY OF HAYWARD SD-304 & SD-307
  - 13 REPLACE INLET WITH CITY OF HAYWARD STANDARD TYPE "E" STORM WATER INLET, SD-405,
  - 14 REPLACE EXISTING 12" OUTLET PIPE TO CITY OF HAYWARD MUNICIPAL STORM DRAIN SYSTEM WITH A NEW 21" PIPE.
  - 15 18"x18" CONCRETE JUNCTION BOX. DURING RAIN EVENTS, STORMWATER WILL BE DIRECTED INTO STORM DRAIN SYSTEM. DURING NON-RAIN EVENTS, BURN BUILDING RUNOFF IS DIRECTED INTO SANITARY SEWER.
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  - 24 UNDERGROUND STORAGE TANK - SEE WSP PLANS
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  - 31 LPG POINT OF CONNECTION - SEE WSP PLANS
  - 32 TRANSFORMER - SEE WSP PLANS
  - 33 24" X 24" STORMWATER OVERFLOW INLET IN BIORETENTION AREA





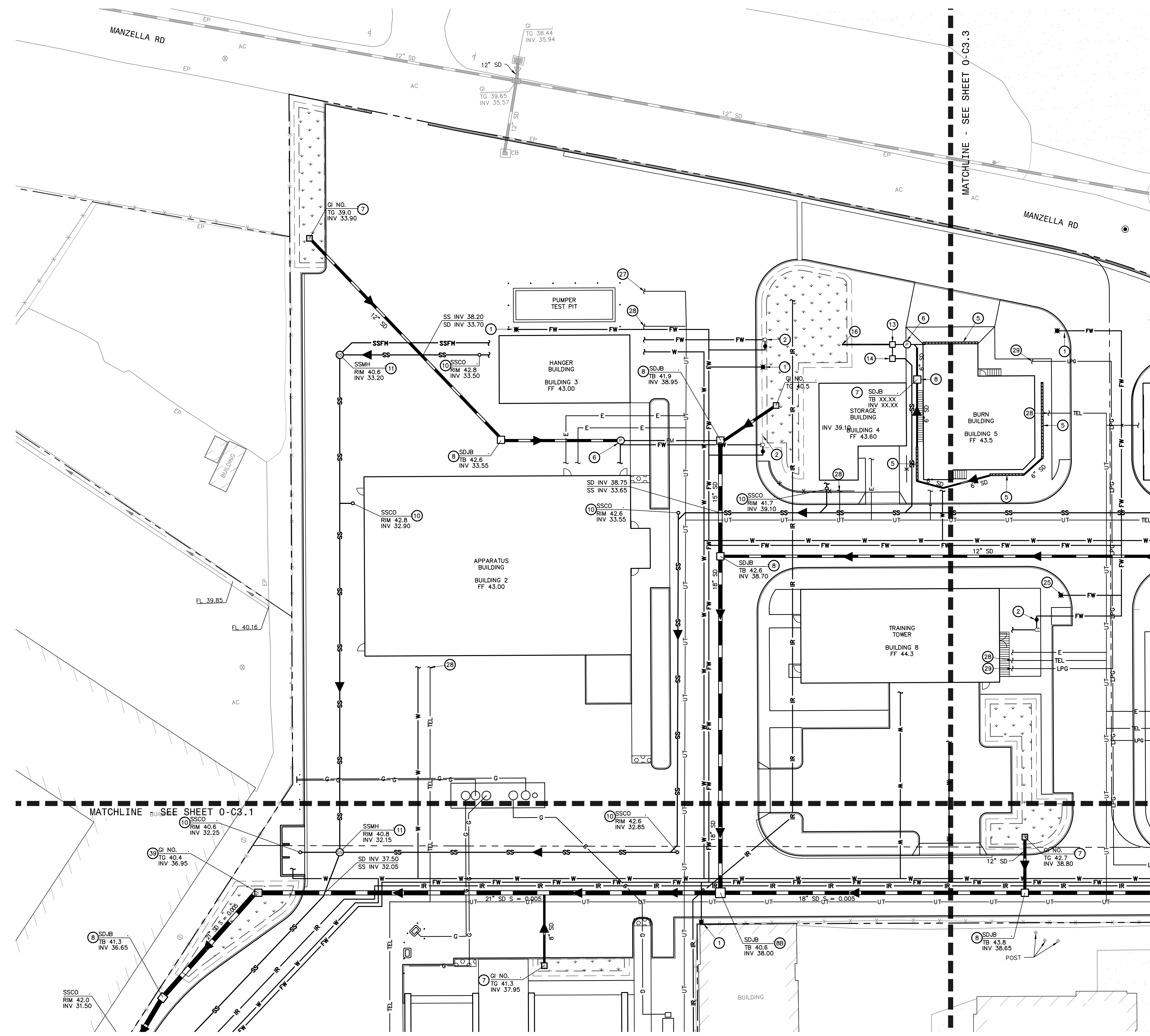
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SSFM	SANITARY SEWER FORCE MAIN (PER CITY OF HAYWARD STD DETAIL SD-301)
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FM	STORM DRAIN FORCE MAIN - SIZE TBD
SDT	STORM DRAIN TRENCH DRAIN
TEL	TELECOMMUNICATION - SEE WSP PLANS
E	ELECTRICAL - SEE WSP PLANS
UT	JOINT TRENCH - SEE WSP PLANS
LPG	LPG GAS - SEE WSP PLANS
G	FUEL LINE - SEE WSP PLANS

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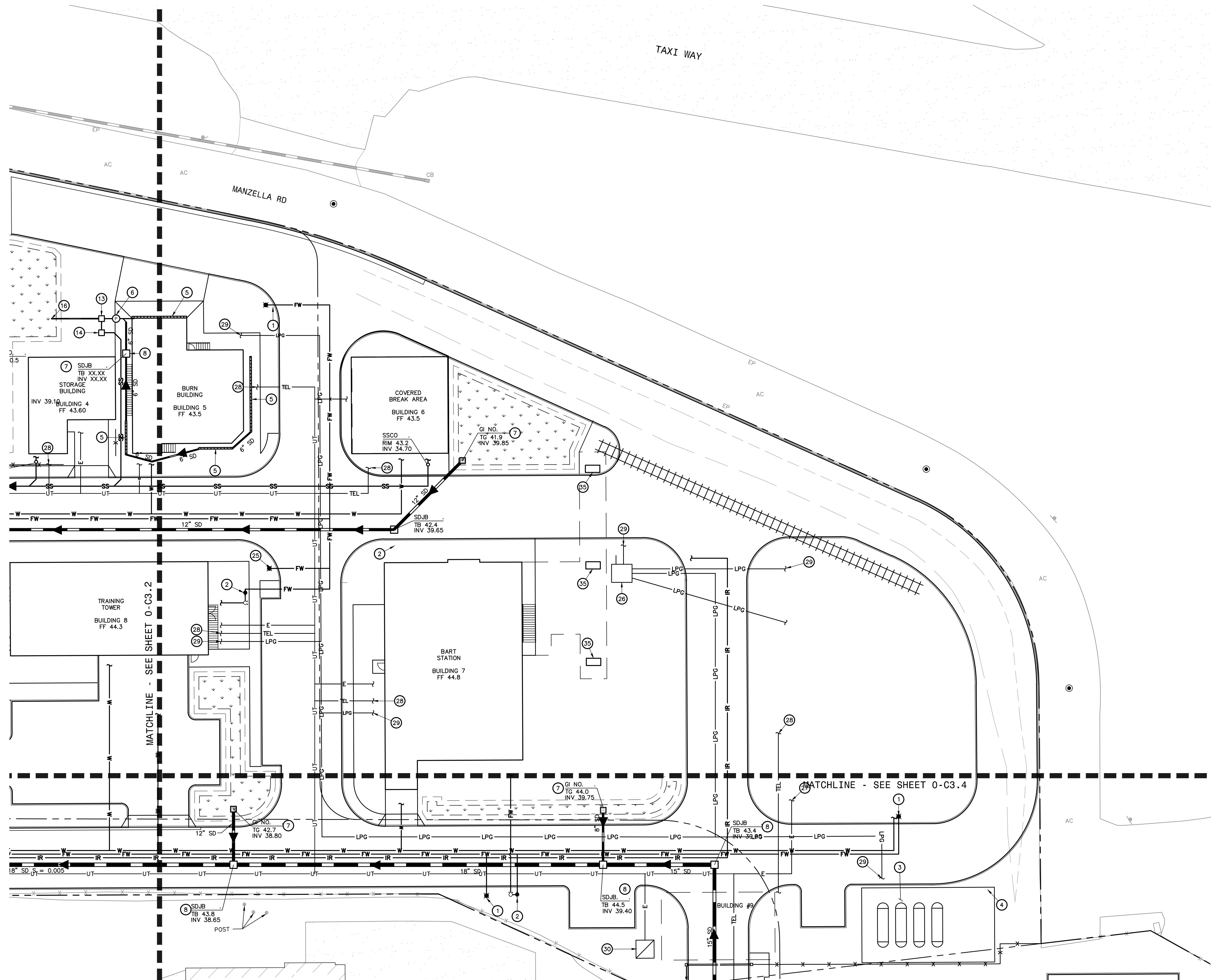
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UTILITY LEGEND:

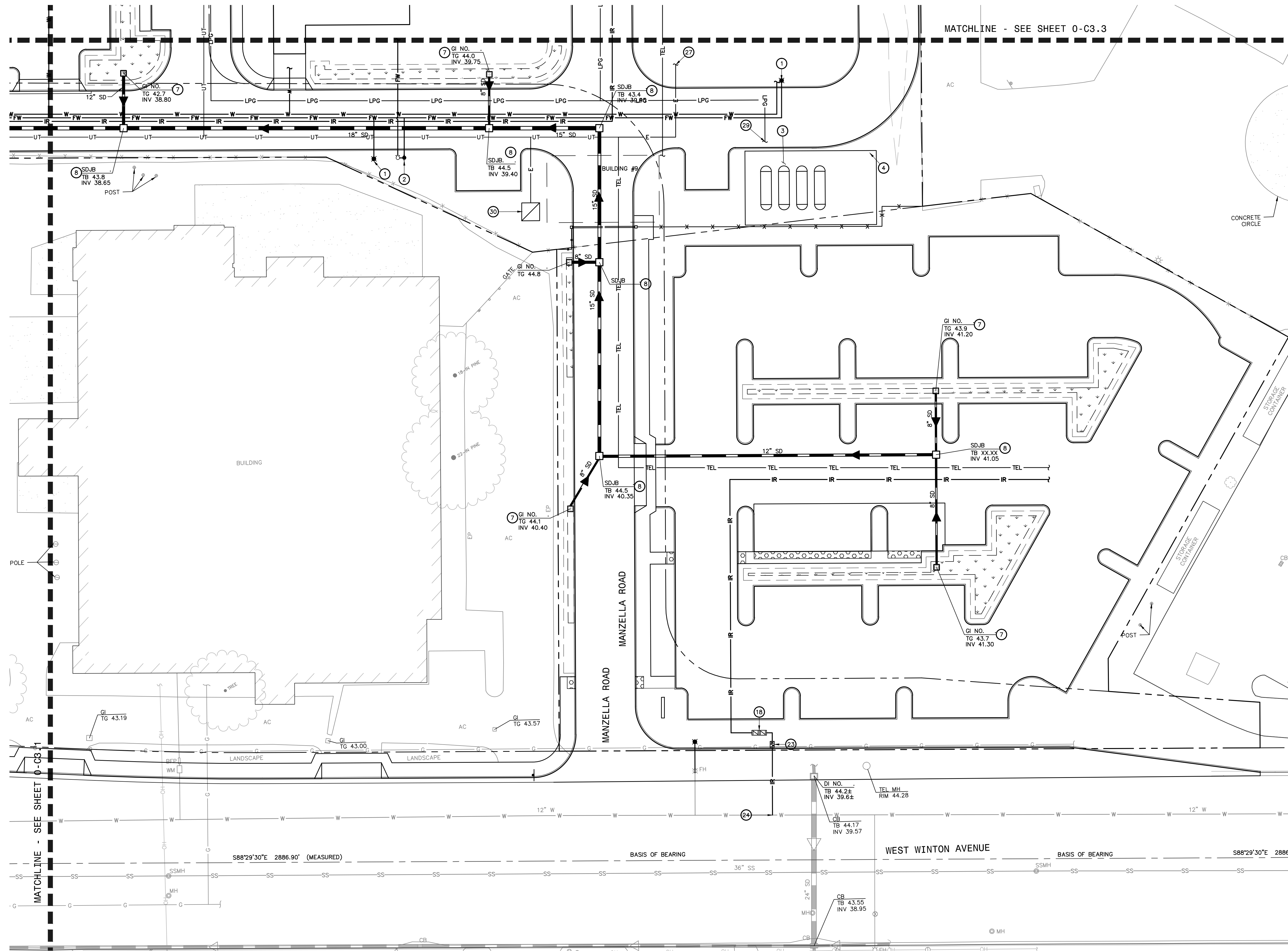
- W DOMESTIC WATER - 4" SCH 40 PVC
- FW FIRE WATER - 8" C900 PVC
- IR IRRIGATION WATER - 2" SCH 40 PVC
- SS SANITARY SEWER - 8" SDR 26 PVC (PER CITY OF HAYWARD STD DETAIL SD-301)
- SSFM SANITARY SEWER FORCE MAIN (UNLESS OTHERWISE NOTED)
- SD STORM DRAIN - SDR 35 PVC S=0.004
- SD.FM STORM DRAIN FORCE MAIN - SIZE TBD
- TEL TELECOMMUNICATION - SEE WSP PLANS
- E ELECTRICAL - SEE WSP PLANS
- UT JOINT TRENCH - SEE WSP PLANS
- LPG LPG GAS - SEE WSP PLANS
- G FUEL LINE - SEE WSP PLANS

TELECOMMUNICATION NOTE

REFER TO PLANS PREPARED BY WSP FOR TELECOMMUNICATION DESIGN.

KEYNOTES:

- 1 DOUBLE STEAMER FIRE HYDRANT WITH (2) 4-1/2" OUTLETS AND 1 (2-1/2" OUTLET. INSTALL BLUE REFLECTIVE DOT MARKER IN ROADWAY.
- 2 FIRE DEPARTMENT CONNECTION (FDC) / PIV CONNECTIONS
- 3 ENCLOSED PROPANE TANKS ON CONCRETE PAD
- 4 DIESEL FUEL STATION ON CONCRETE PAD
- 5 TRENCH DRAIN- ACO KLASSIK WITH 1/4" GRATE
- 6 STORM DRAIN SOLIDS HANDLING PUMP STATION
- 7 18"X18" CONCRETE STORMWATER OVERFLOW INLET IN BIORETENTION AREA
- 8 24"X24" CONCRETE STORMWATER JUNCTION BOX
- 9 36"X36" CONCRETE STORMWATER JUNCTION BOX
- 10 TIE NEW SITE WASTEWATER LATERAL INTO CITY OF HAYWARD MUNICIPAL SEWER SYSTEM AT MANHOLE
- 11 SANITARY SEWER CLEANOUT PER CITY OF HAYWARD SD-313
- 12 SANITARY SEWER MANHOLE PER CITY OF HAYWARD SD-304 & SD-307
- 13 REPLACE INLET WITH CITY OF HAYWARD STANDARD TYPE 'E' STORM WATER INLET, SD-405.
- 14 REPLACE EXISTING 12" OUTLET PIPE TO CITY OF HAYWARD MUNICIPAL STORM DRAIN SYSTEM WITH A NEW 21" PIPE.
- 15 18"X18" CONCRETE JUNCTION BOX. DURING RAIN EVENTS, STORMWATER WILL BE DIRECTED INTO STORM DRAIN SYSTEM. DURING NON-RAIN EVENTS, BURN BUILDING RUNOFF IS DIRECTED INTO SANITARY SEWER.
- 16 VINYLVALE AUTOMATIC DIVERSION VALVE
- 17 STORM DRAIN AREA DRAIN
- 18 OUTFALL TO BIORETENTION AREA WHEN AUTOMATIC DIVERSION VALVE SENDS WATER TO STORM DRAIN SYSTEM
- 19 RELOCATED WATER METERS. TIE INTO EXISTING LATERAL CONNECTED TO CITY MUNICIPAL WATER SYSTEM
- 20 REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY PER CITY OF HAYWARD SD-202
- 21 DOUBLE CHECK DETECTOR ASSEMBLY PER CITY OF HAYWARD SD-201 & SD-204
- 22 RELOCATE EXISTING ELECTRICAL VAULT (TO BE COORDINATED WITH PG&E)
- 23 RELOCATE EXISTING TELECOM VAULT AND CONNECT SITE TELECOM TO VAULT (TO BE COORDINATED WITH UTILITY PROVIDER).
- 24 UNDERGROUND STORAGE TANK - SEE WSP PLANS
- 25 NEW IRRIGATION WATER METER / SUBMETER
- 26 NEW WATER CONNECTION TO EXISTING MAIN
- 27 DOUBLE STEAMER FIRE HYDRANT WITH (2) 4-1/2" OUTLETS AND 1 (2-1/2" OUTLET AND WITH ELECTRONIC VALVING CONTROL
- 28 CONTROL ROOM - SEE WSP PLANS
- 29 ELECTRICAL POINT OF CONNECTION - SEE WSP PLANS
- 30 TELECOMMUNICATION POINT OF CONNECTION - SEE WSP PLANS
- 31 LPG POINT OF CONNECTION - SEE WSP PLANS
- 32 TRANSFORMER - SEE WSP PLANS





**EROSION CONTROL NOTES**

ALL PROJECTS SHALL HAVE A CITY APPROVED EROSION AND SEDIMENT CONTROL PLAN OR A SWRCB STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SPECIFIC FOR THE PROJECT. A COPY SHALL BE KEPT ON SITE AT ALL TIMES DURING CONSTRUCTION. THE EROSION AND SEDIMENT CONTROL PLAN OR SWPPP SHALL BE UPDATED AND KEPT CURRENT AS WORK PROGRESSES AND CONDITIONS CHANGE AND SHALL BE MADE AVAILABLE TO CITY AND SWRCB INSPECTORS WHEN REQUESTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT, INSPECTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES/DEVICES SPECIFIED IN THE EROSION AND SEDIMENT CONTROL PLAN UNTIL SUCH TIME THAT THE PROJECT IS ACCEPTED AS COMPLETE OR UNTIL THE NOTICE OF TERMINATION IS FILED FOR THE CONSTRUCTION GENERAL PERMIT.

THE EROSION AND SEDIMENT CONTROL PLAN SHALL EMPHASIZE SOURCE CONTROL AND ADDRESS CONTROLLING WATER AND WIND EROSION, SEDIMENTATION, TRASH AND OTHER POSSIBLE POLLUTANTS USING BEST MANAGEMENT PRACTICES (BMPs). THE PLAN SHALL REFERENCE CASQA "STORM WATER BEST MANAGEMENT PRACTICE HANDBOOK FOR CONSTRUCTION" FOR PROPER BMP SELECTION, INSTALLATION AND MAINTENANCE.

TRASH OR MATERIALS DEPOSITED OR TRACKED ONTO THE PUBLIC RIGHT-OF-WAY SHALL BE REMOVED DAILY.

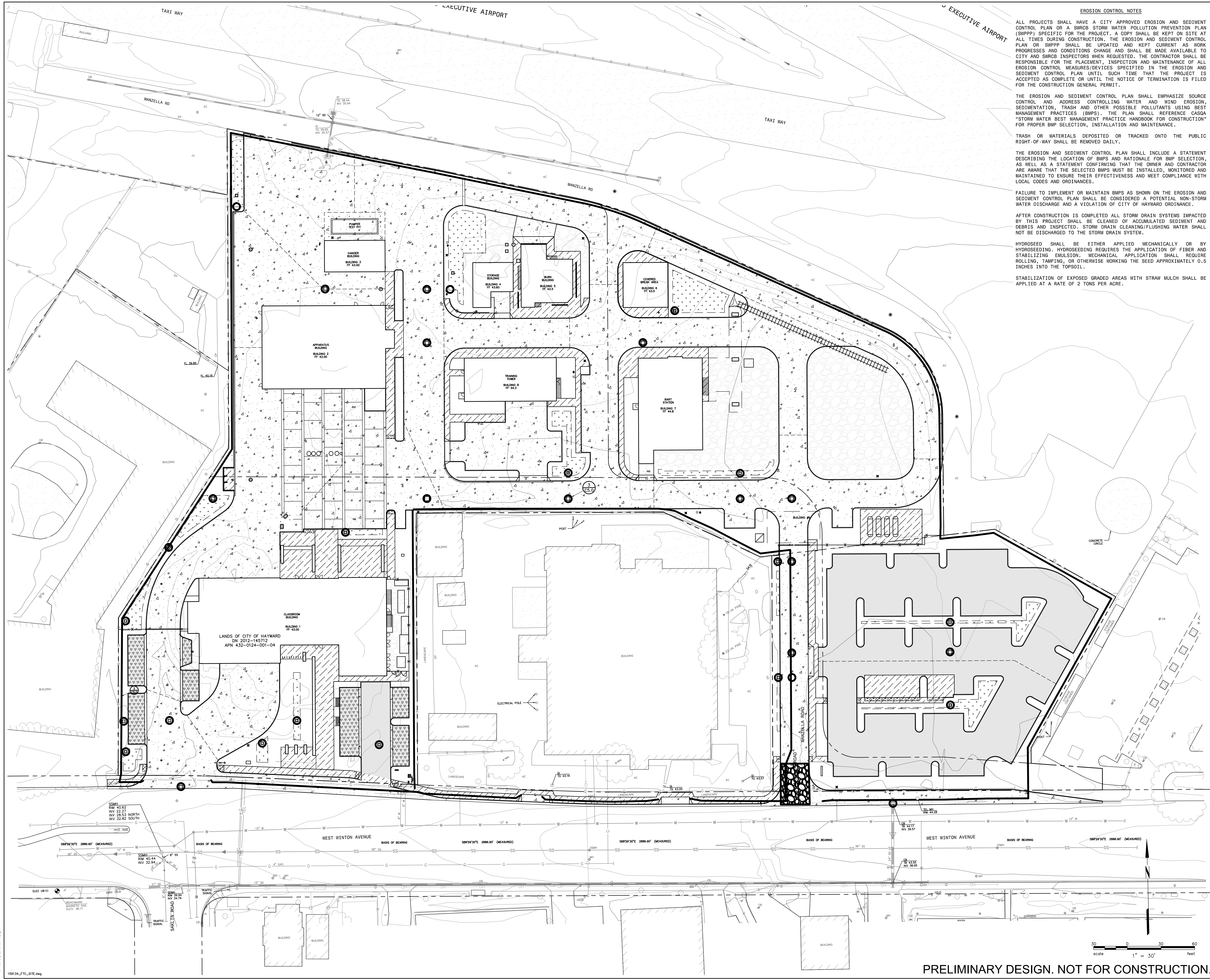
THE EROSION AND SEDIMENT CONTROL PLAN SHALL INCLUDE A STATEMENT DESCRIBING THE LOCATION OF BMPs AND RATIONALE FOR BMP SELECTION, AS WELL AS A STATEMENT CONFIRMING THAT THE OWNER AND CONTRACTOR ARE AWARE THAT THE SELECTED BMPs MUST BE INSTALLED, MONITORED AND MAINTAINED TO ENSURE THEIR EFFECTIVENESS AND MEET COMPLIANCE WITH LOCAL CODES AND ORDINANCES.

FAILURE TO IMPLEMENT OR MAINTAIN BMPs AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN SHALL BE CONSIDERED A POTENTIAL NON-STORM WATER DISCHARGE AND A VIOLATION OF CITY OF HAYWARD ORDINANCE.

AFTER CONSTRUCTION IS COMPLETED ALL STORM DRAIN SYSTEMS IMPACTED BY THIS PROJECT SHALL BE CLEANED OF ACCUMULATED SEDIMENT AND DEBRIS AND INSPECTED. STORM DRAIN CLEANING/FLUSHING WATER SHALL NOT BE DISCHARGED TO THE STORM DRAIN SYSTEM.

HYDROSEED SHALL BE EITHER APPLIED MECHANICALLY OR BY HYDROSEEDING. HYDROSEEDING REQUIRES THE APPLICATION OF FIBER AND STABILIZING EMULSION. MECHANICAL APPLICATION SHALL REQUIRE ROLLING, TAMING, OR OTHERWISE WORKING THE SEED APPROXIMATELY 0.5 INCHES INTO THE TOPSOIL.

STABILIZATION OF EXPOSED GRADED AREAS WITH STRAW MULCH SHALL BE APPLIED AT A RATE OF 2 TONS PER ACRE.

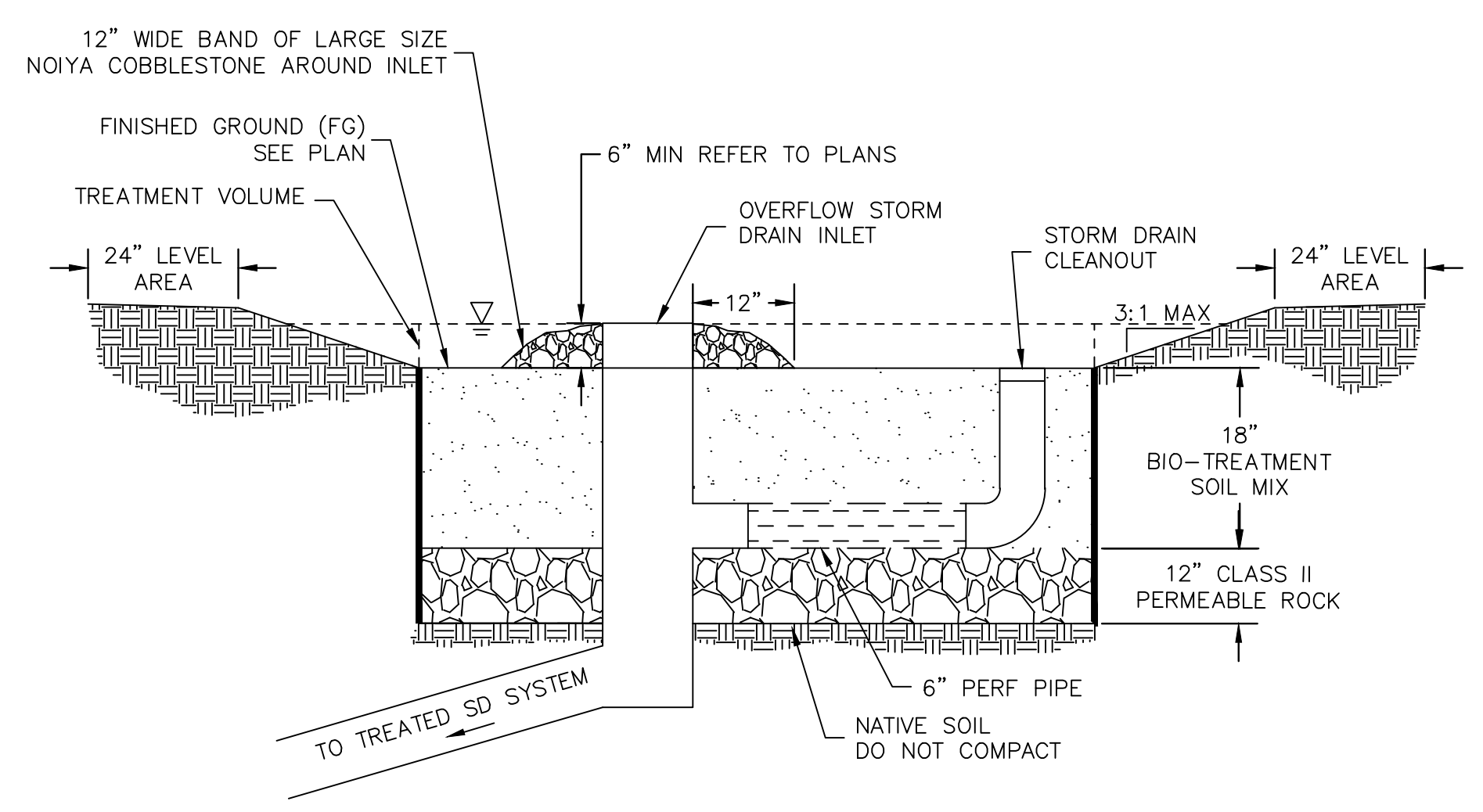


PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.

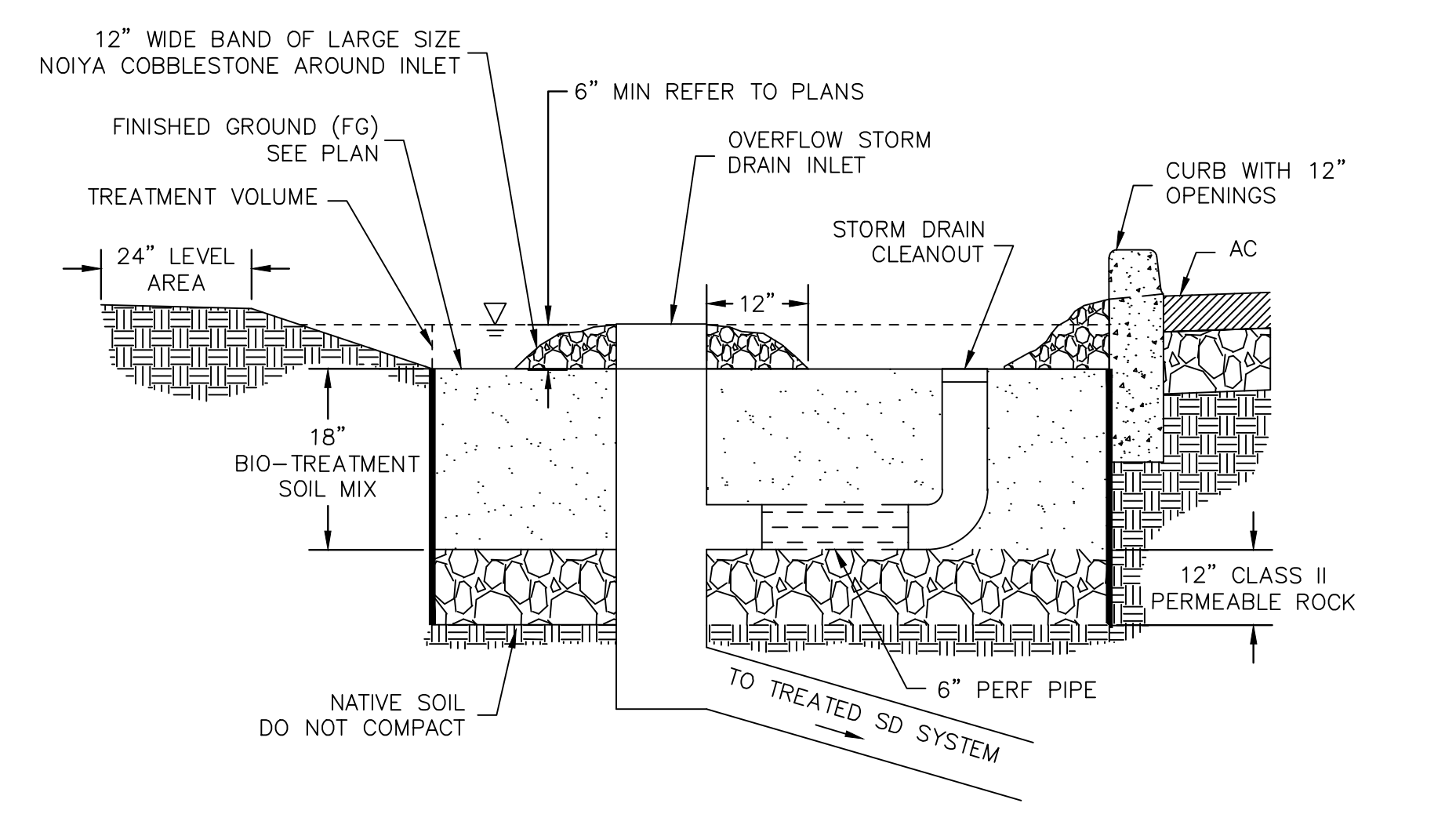
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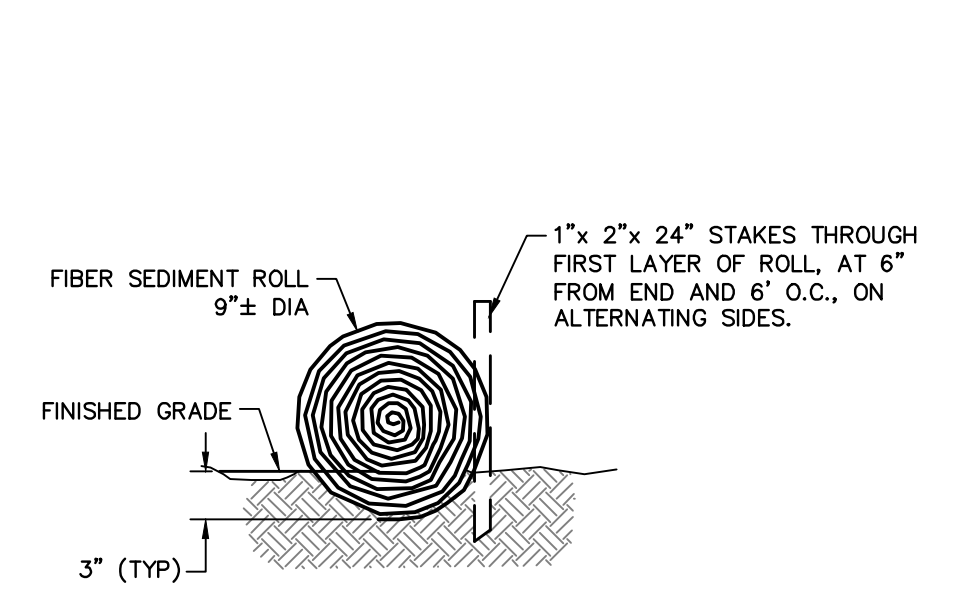




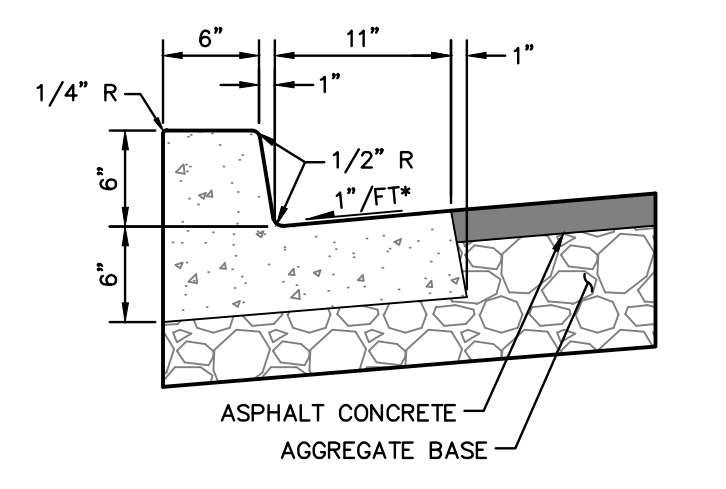
1 TYPICAL UNRETAINED BIORETENTION AREA CROSS SECTION  
NTS



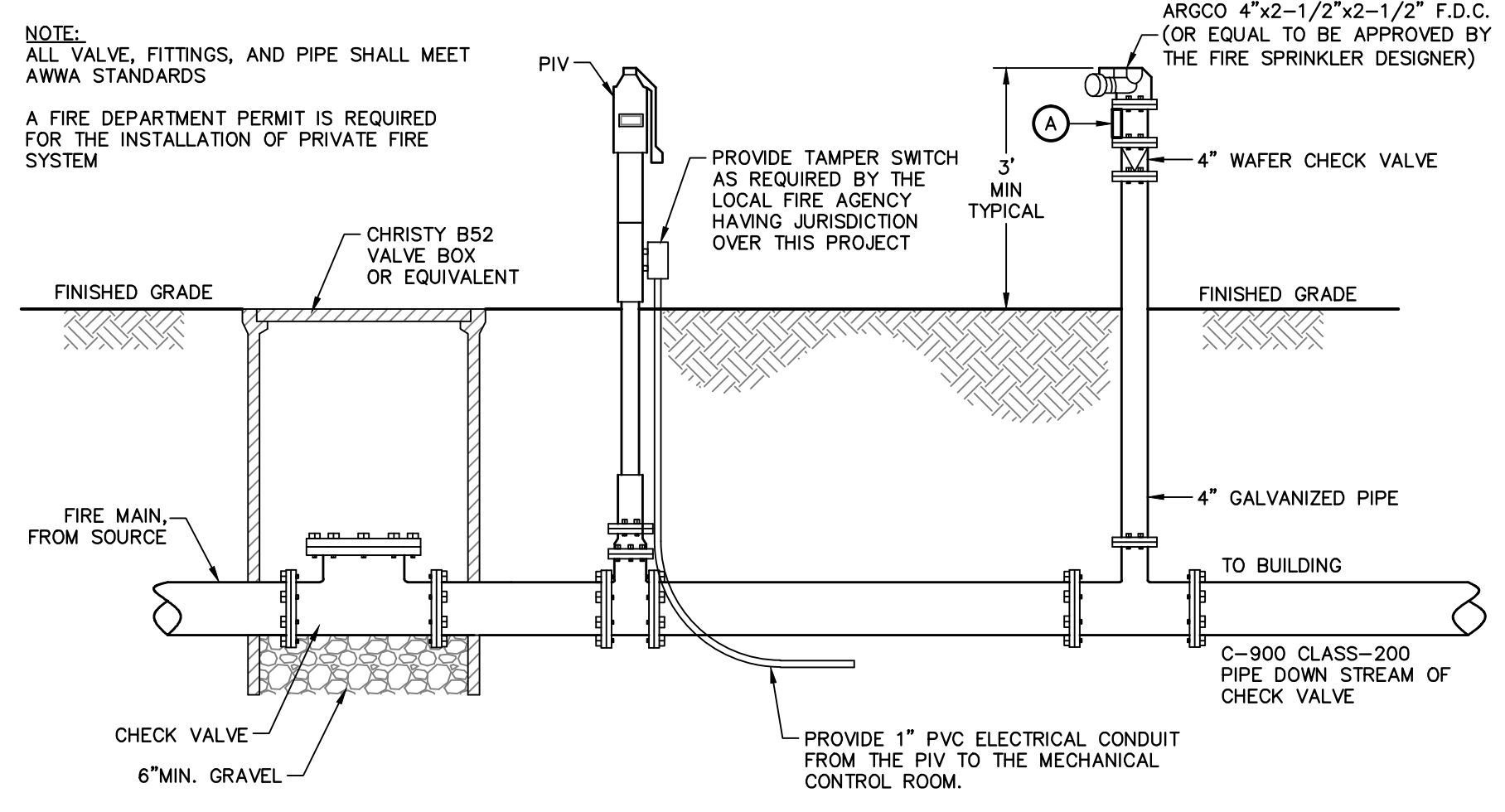
2 TYPICAL RETAINED BIORETENTION AREA CROSS SECTION  
NTS



3 FIBER ROLL  
NO SCALE



4 CURB AND GUTTER  
NO SCALE



21 FIRE DEPARTMENT CONNECTION  
NO SCALE

PROVIDE A RED PERMANENT SIGN WHITE ENGRAVED OR STAMPED 1.5-INCH TALL LETTERS, HAVING A 1/4-INCH STROKE, WHICH IDENTIFIES WHICH BUILDING THE FIRE DEPARTMENT PUMPER CONNECTION SERVES. MOUNT THE SIGN ON THE STAND PIPE 4-6 INCHES BELOW THE PUMPER CONNECTION IN A MANNER WHICH MAY BE READ FROM THE DRIVE LANE.



U.S.A NOTE

IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO BE FAMILIAR WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, STRUCTURES, AND UTILITIES. THE IRRIGATION CONTRACTOR SHALL EXERCISE EXTREME CARE AND BE RESPONSIBLE FOR ANY DAMAGE IN EXCAVATING AND WORKING NEAR UTILITIES. THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OTHER SUB-CONTRACTORS FOR THE LOCATION OF UTILITIES AND THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, AND NEAR STRUCTURES. PRIOR TO CONSTRUCTION, CONTACT ALL APPLICABLE AGENCIES AND U.S.A. AT 1-800-642-2444 OR 1-800-227-2600 TO FIELD LOCATE ALL EXISTING UTILITIES.

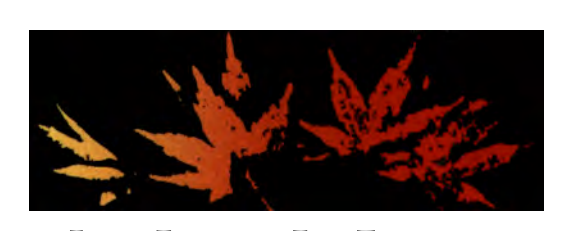
THIS DRAWING COMPLIES WITH THE CRITERIA OF THE CITY OF HAYWARD-BAY FRIENDLY WATER EFFICIENT LANDSCAPE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN AND THE OVERALL LANDSCAPE DESIGN.

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HAYWARD FIRESTATION #6 & REGIONAL ARFF FIRE TRAINING CENTER

1401 W. WINTON AVE. HAYWARD, CA 94545

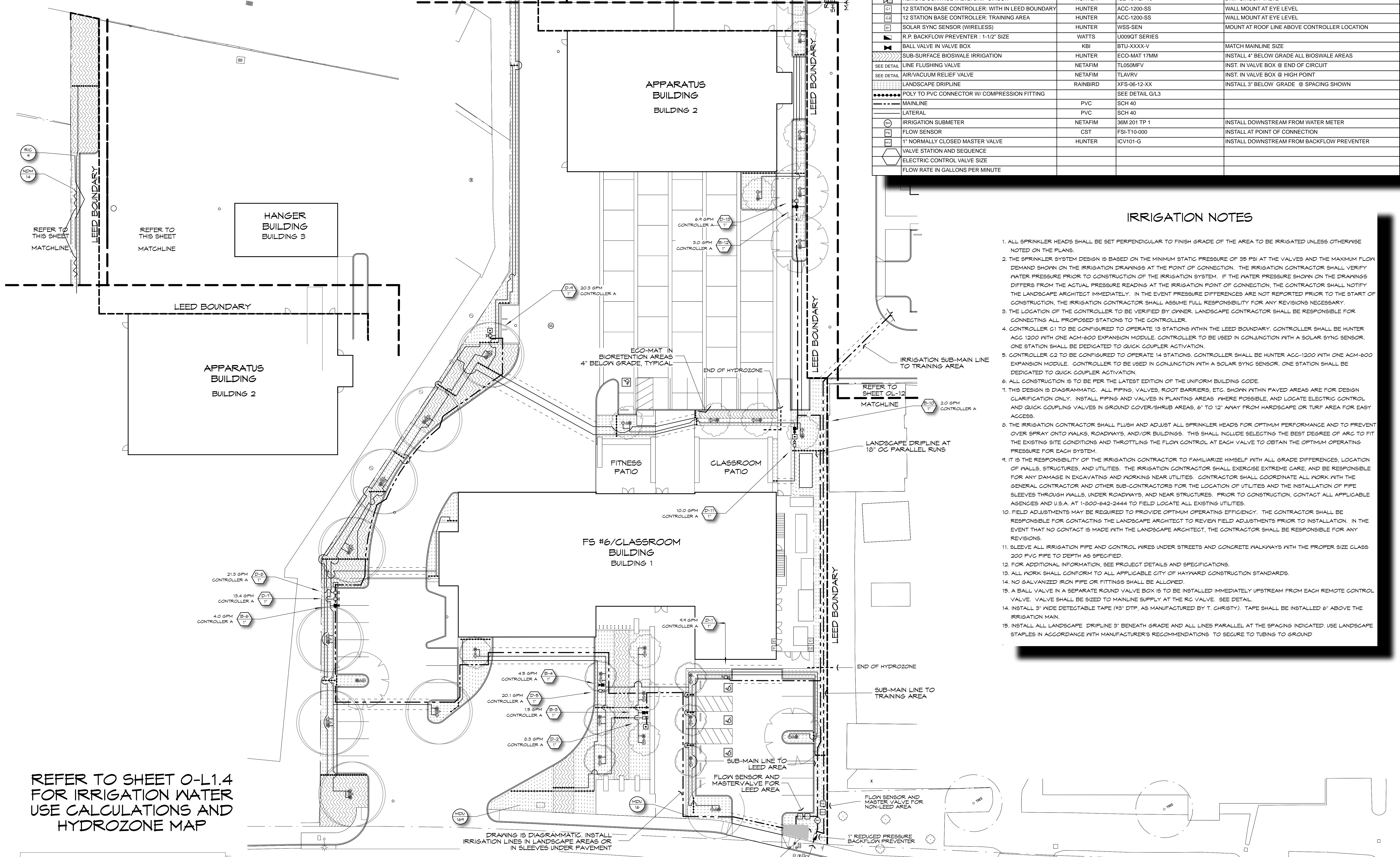
Table with 3 columns: No., Description, REVISIONS Date

IRRIGATION LEGEND

Table with 5 columns: SYMBOL, EQUIPMENT, MANUFACTURER, MODEL, REMARKS. Lists various irrigation components like stream bubblers, controllers, valves, and sensors.

IRRIGATION NOTES

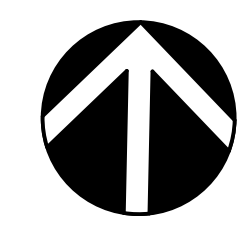
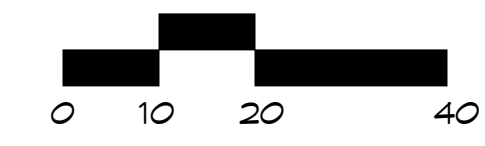
- 1. ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE NOTED ON THE PLANS.
2. THE SPRINKLER SYSTEM DESIGN IS BASED ON THE MINIMUM STATIC PRESSURE OF 35 PSI AT THE VALVES AND THE MAXIMUM FLOW DEMAND SHOWN ON THE IRRIGATION DRAWINGS AT THE POINT OF CONNECTION.
3. THE LOCATION OF THE CONTROLLER TO BE VERIFIED BY OWNER. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING ALL PROPOSED STATIONS TO THE CONTROLLER.
4. CONTROLLER G1 TO BE CONFIGURED TO OPERATE 13 STATIONS WITHIN THE LEED BOUNDARY. CONTROLLER SHALL BE HUNTER ACC 1200 WITH ONE ACM-600 EXPANSION MODULE. CONTROLLER TO BE USED IN CONJUNCTION WITH A SOLAR SYNC SENSOR. ONE STATION SHALL BE DEDICATED TO QUICK COUPLER ACTIVATION.
5. CONTROLLER G2 TO BE CONFIGURED TO OPERATE 14 STATIONS. CONTROLLER SHALL BE HUNTER ACC-1200 WITH ONE ACM-600 EXPANSION MODULE. CONTROLLER TO BE USED IN CONJUNCTION WITH A SOLAR SYNC SENSOR. ONE STATION SHALL BE DEDICATED TO QUICK COUPLER ACTIVATION.
6. ALL CONSTRUCTION IS TO BE PER THE LATEST EDITION OF THE UNIFORM BUILDING CODE.
7. THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ROOT BARRIERS, ETC. SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY. INSTALL PIPING AND VALVES IN PLANTING AREAS WHERE POSSIBLE, AND LOCATE ELECTRIC CONTROL AND QUICK COUPLING VALVES IN GROUND COVER/SHRUB AREAS, 6" TO 12" AWAY FROM HARDSCAPE OR TURF AREA FOR EASY ACCESS.
8. THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVER SPRAY ONTO WALKS, ROADWAYS, AND/OR BUILDINGS. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING SITE CONDITIONS AND THROTTLING THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.
9. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, STRUCTURES, AND UTILITIES. THE IRRIGATION CONTRACTOR SHALL EXERCISE EXTREME CARE, AND BE RESPONSIBLE FOR ANY DAMAGE IN EXCAVATING AND WORKING NEAR UTILITIES. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR AND OTHER SUB-CONTRACTORS FOR THE LOCATION OF UTILITIES AND THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, AND NEAR STRUCTURES. PRIOR TO CONSTRUCTION, CONTACT ALL APPLICABLE AGENCIES AND U.S.A. AT 1-800-642-2444 TO FIELD LOCATE ALL EXISTING UTILITIES.
10. FIELD ADJUSTMENTS MAY BE REQUIRED TO PROVIDE OPTIMUM OPERATING EFFICIENCY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE LANDSCAPE ARCHITECT TO REVIEW FIELD ADJUSTMENTS PRIOR TO INSTALLATION. IN THE EVENT THAT NO CONTACT IS MADE WITH THE LANDSCAPE ARCHITECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REVISIONS.
11. SLEEVE ALL IRRIGATION PIPE AND CONTROL WIRES UNDER STREETS AND CONCRETE WALKWAYS WITH THE PROPER SIZE CLASS 200 PVC PIPE TO DEPTH AS SPECIFIED.
12. FOR ADDITIONAL INFORMATION, SEE PROJECT DETAILS AND SPECIFICATIONS.
13. ALL WORK SHALL CONFORM TO ALL APPLICABLE CITY OF HAYWARD CONSTRUCTION STANDARDS.
14. NO GALVANIZED IRON PIPE OR FITTINGS SHALL BE ALLOWED.
15. A BALL VALVE IN A SEPARATE ROUND VALVE BOX IS TO BE INSTALLED IMMEDIATELY UPSTREAM FROM EACH REMOTE CONTROL VALVE. VALVE SHALL BE SIZED TO MAINLINE SUPPLY AT THE RC VALVE. SEE DETAIL.
16. INSTALL 3" WIDE DETECTABLE TAPE (3" DTP, AS MANUFACTURED BY T. CHRISTY). TAPE SHALL BE INSTALLED 6" ABOVE THE IRRIGATION MAIN.
17. INSTALL ALL LANDSCAPE DRIPLINE 3" BENEATH GRADE AND ALL LINES PARALLEL AT THE SPACING INDICATED. USE LANDSCAPE STAPLES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS TO SECURE TO TUBING TO GROUND



REFER TO SHEET O-L1.4 FOR IRRIGATION WATER USE CALCULATIONS AND HYDROZONE MAP

- NOTES FOR TYPICAL IRRIGATION SYSTEM:
IRRIGATION LATERAL PIPE SIZING TO BE DETERMINED BASED ON THE FOLLOWING INFORMATION.
1. ALL LATERALS TO BE SCH 40 PVC.
2. FLOW SHALL NOT EXCEED 5" PER SECOND.
3. MAXIMUM FRICTION LOSS THROUGH ANY SECTION OF PIPE SHALL NOT EXCEED 3.00 PSI PER 100' OF PIPE.
4. NO LATERAL SHALL BE SMALLER THAN 3/4" DIAMETER.
5. MINIMUM OPERATING PRESSURE SHALL BE 25 PSI AT THE SPRINKLER HEAD AND 50 PSI FOR ROTORS.
6. MAX FLOW THROUGH LATERALS, AS FOLLOWS:
3/4" SCH 40 PVC: 5.5 GPM
1" SCH 40 PVC: 10.5 GPM
1-1/4" SCH 40 PVC: 17.5 GPM
1-1/2" SCH 40 PVC: 27 GPM
2" SCH 40 PVC: 45 GPM
7. ALL MAINLINE TO BE XXX" IN SIZE UNLESS OTHERWISE INDICATED.
8. INSTALL SUPPLEMENTAL CHECK VALVES IN LATERALS AT 15' VERTICAL ELEVATION CHANGE, AS REQUIRED.

IRRIGATION PLAN LEED AREA



PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.

IRRIGATION PLAN SOUTHWEST AND NORTHWEST QUADRANT PLANNING SPR RESUBMITTAL

Scale:
Date: FEBRUARY 1, 2018
Project No. 2016039

O-L1.1 Drawing No.

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**HAYWARD  
FIRESTATION #6  
& REGIONAL  
ARFF FIRE  
TRAINING CENTER**

1401 W. WINTON  
AVE. HAYWARD, CA  
94545

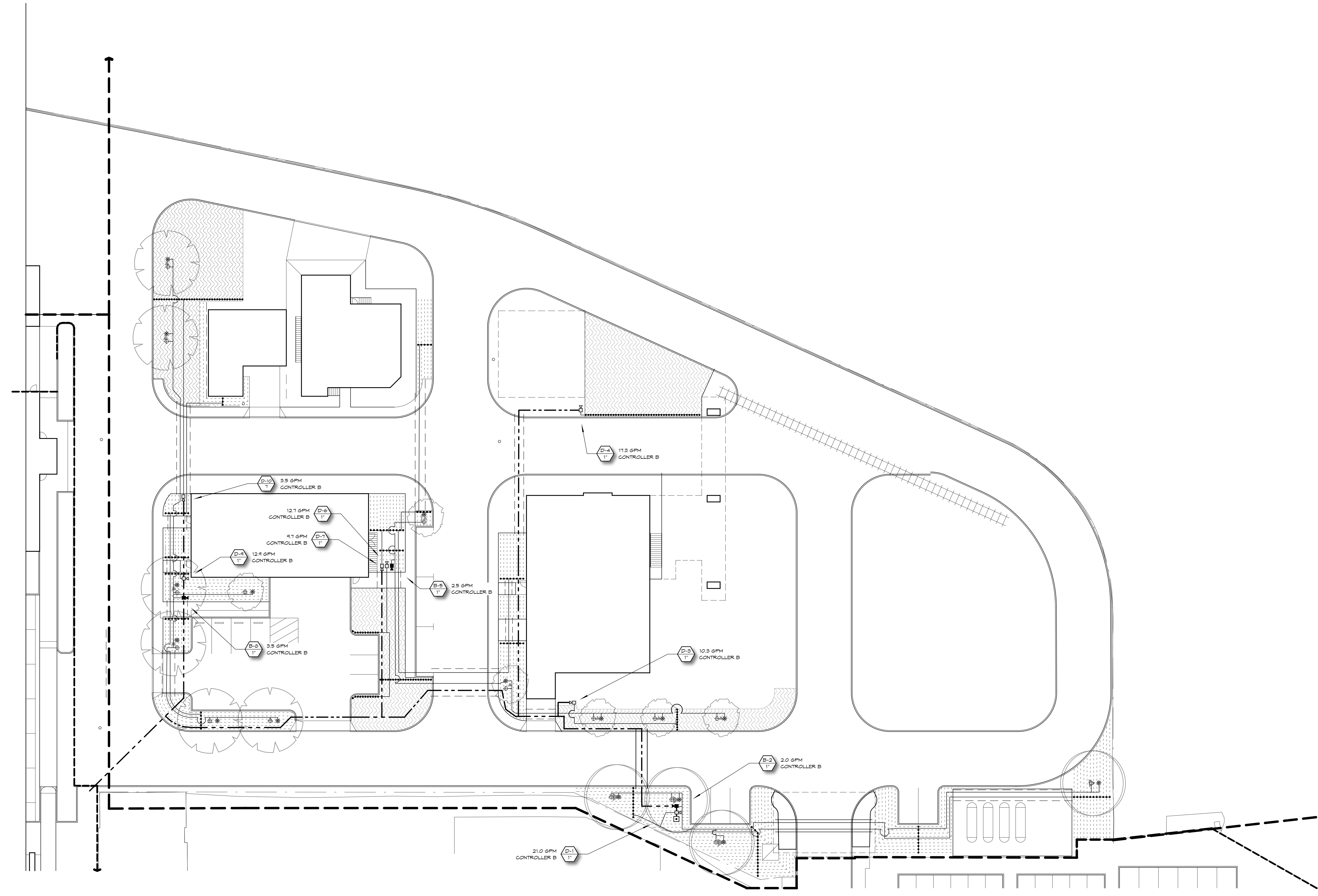
REVISIONS  
No. Description Date

IRRIGATION PLAN  
NORTHEAST QUADRANT  
PLANNING  
SPR RESUBMITTAL

Drawn By: DM Checked By:

Scale:  
Date: FEBRUARY 1, 2018  
Project No. 2016039

**O-L1.2**  
Drawing No.



- NOTES FOR TYPICAL IRRIGATION SYSTEM:**  
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1. ALL LATERALS TO BE SCH 40 PVC.
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  8. INSTALL SUPPLEMENTAL CHECK VALVES IN LATERALS AT 15' VERTICAL ELEVATION CHANGE, AS REQUIRED.

REFER TO SHEET O-L1.4  
FOR IRRIGATION WATER  
USE CALCULATIONS AND  
HYDROZONE MAP

REFER TO SHEET O-L1.1  
FOR IRRIGATION LEGEND  
AND IRRIGATION NOTES.

IRRIGATION PLAN  
TRAINING AREA

0 10 20 40

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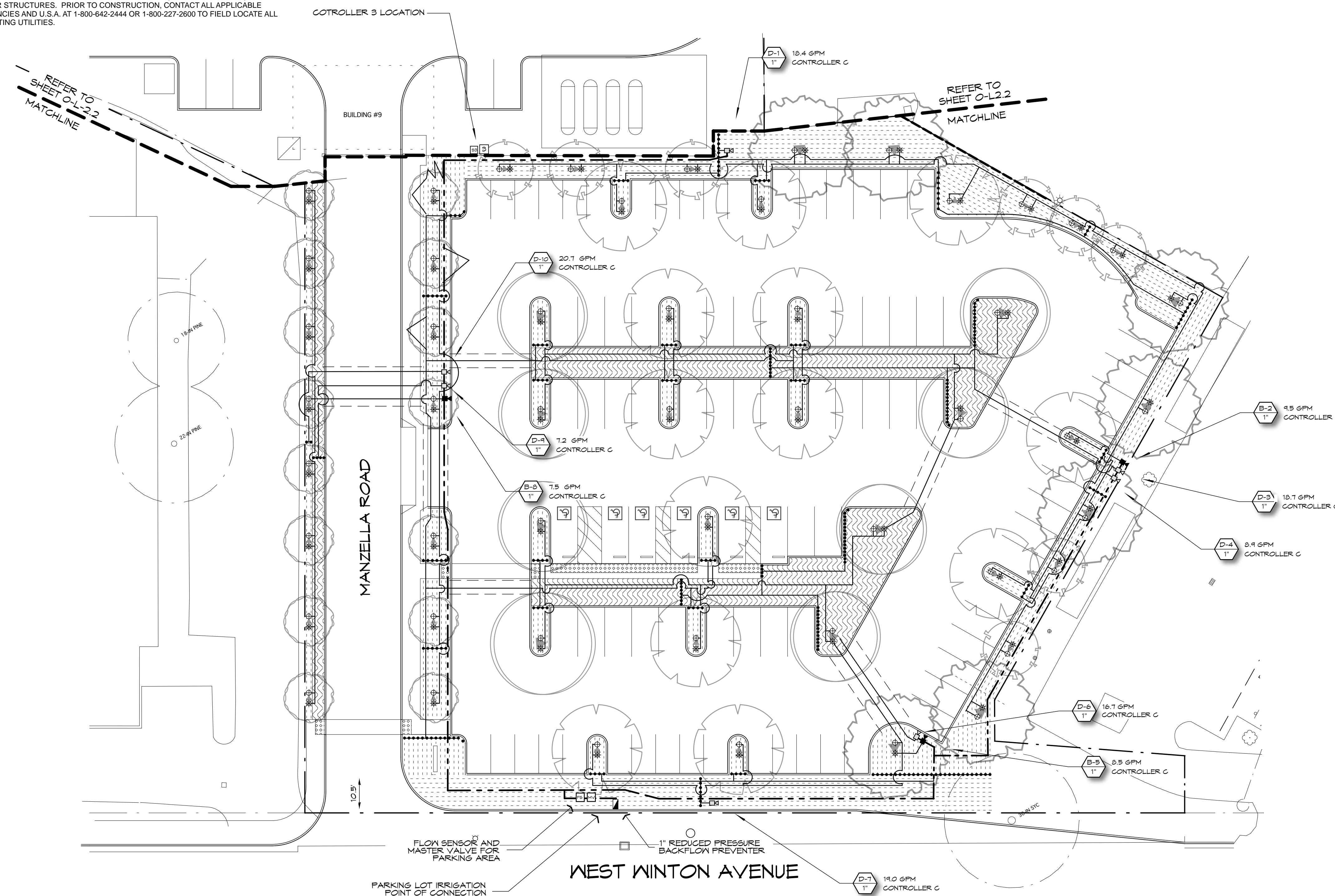
REVISIONS

No. Description Date

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- THE LOCATION OF THE CONTROLLER TO BE VERIFIED BY OWNER. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING ALL PROPOSED STATIONS TO THE CONTROLLER.
- CONTROLLER G3 TO BE CONFIGURED TO OPERATE 10 STATIONS. CONTROLLER SHALL BE HUNTER ACC-1200. CONTROLLER TO BE USED IN CONJUNCTION WITH A SOLAR SYNC SENSOR. ONE STATION SHALL BE DEDICATED TO QUICK COUPLER ACTIVATION. INSTALL IN CONTROLLER PEDESTAL.
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- THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ROOT BARRIERS, ETC. SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY. INSTALL PIPING AND VALVES IN PLANTING AREAS WHERE POSSIBLE, AND LOCATE ELECTRIC CONTROL AND QUICK COUPLING VALVES IN GROUND COVER/SHRUB AREAS, 6" TO 12" AWAY FROM HARDSCAPE OR TURF AREA FOR EASY ACCESS.
- THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVER SPRAY ONTO WALKS, ROADWAYS, AND/OR BUILDINGS. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING SITE CONDITIONS AND THROTTLING THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.
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- INSTALL 3" WIDE DETECTABLE TAPE (15" DTP, AS MANUFACTURED BY T. CHRISTY). TAPE SHALL BE INSTALLED 6" ABOVE THE IRRIGATION MAIN.
- INSTALL ALL LANDSCAPE DRIFLINE 3" BENEATH GRADE AND ALL LINES PARALLEL AT THE SPACING INDICATED. USE LANDSCAPE STAPLES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS TO SECURE TO TUBING TO GROUND.

REFER TO SHEET O-L1.4  
FOR IRRIGATION WATER  
USE CALCULATIONS AND  
HYDROZONE MAP



**IRRIGATION LEGEND**

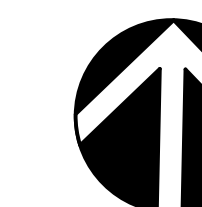
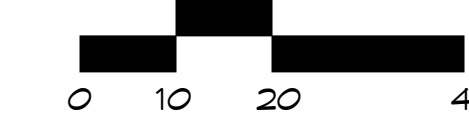
SYMBOL	EQUIPMENT	MANUFACTURER	MODEL	REMARKS
☼	STREAM BUBBLER: 6" POP-UP	HUNTER	PROS-06-PRS30-MSBN-25Q	TREE WELL BUBBLER, AIM AT ROOT BALL; 1 PER TREE
⊕	ROOT WATERING SYSTEM	HUNTER	RZWS-10-25-CV	1 PER TREE, INSTALL ADJACENT TO & UPHILL FROM TREE
⊕	REMOTE CONTROL VALVE TREE BUBBLER CIRCUIT	HUNTER	ICV-101G-AS-ADJ	TREE BUBBLER CIRCUIT VALVE
⊕	REMOTE CONTROL VALVE DRIP CIRCUIT	HUNTER	ICZ-101-LF-40	DRIP CIRCUIT VALVE
⊕	12 STATION BASE CONTROLLER: PUBLIC PARKING	HUNTER	ACC-1200-SS	MOUNT IN PEDESTAL
⊕	STAINLESS STEEL CONTROLLER PEDESTAL	HUNTER	PED-SS	
⊕	SOLAR SYNC SENSOR (WIRELESS)	HUNTER	WSS-SEN	MOUNT AT ROOF LINE ABOVE CONTROLLER LOCATION
⊕	R.P. BACKFLOW PREVENTER : 1" SIZE	WATTS	U099QT SERIES	
⊕	BALL VALVE IN VALVE BOX	KBI	BTU-XXXX-V	MATCH MAINLINE SIZE
⊕	SUB-SURFACE BIOSWALE IRRIGATION	HUNTER	ECO-MAT 17MM	INSTALL 4" BELOW GRADE ALL BIOSWALE AREAS
⊕	LINE FLUSHING VALVE	NETAFIM	TL050MFV	INST. IN VALVE BOX @ END OF CIRCUIT
⊕	AIR/VACUUM RELIEF VALVE	NETAFIM	TLAVRV	INST. IN VALVE BOX @ HIGH POINT
⊕	LANDSCAPE DRIFLINE	RAINBIRD	XFS-06-12-XX	INSTALL 3" BELOW GRADE @ SPACING SHOWN
⊕	POLY TO PVC CONNECTOR W/ COMPRESSION FITTING		SEE DETAIL G/L3	
⊕	MAINLINE	PVC	SCH 40	
⊕	LATERAL	PVC	SCH 40	
⊕	IRRIGATION SUBMETER	NETAFIM	36M 201 TP 1	INSTALL DOWNSTREAM FROM WATER METER
⊕	FLOW SENSOR	CST	FSI-T10-000	INSTALL AT POINT OF CONNECTION
⊕	1" NORMALLY CLOSED MASTER VALVE	HUNTER	ICV101-G	INSTALL DOWNSTREAM FROM BACKFLOW PREVENTER
⊕	VALVE STATION AND SEQUENCE			
⊕	ELECTRIC CONTROL VALVE SIZE			
⊕	FLOW RATE IN GALLONS PER MINUTE			

**NOTES FOR TYPICAL IRRIGATION SYSTEM:**

IRRIGATION LATERAL PIPE SIZING TO BE DETERMINED BASED ON THE FOLLOWING INFORMATION.

- ALL LATERALS TO BE SCH 40 PVC.
- FLOW SHALL NOT EXCEED 5' PER SECOND.
- MAXIMUM FRICTION LOSS THROUGH ANY SECTION OF PIPE SHALL NOT EXCEED 3.00 PSI PER 100' OF PIPE.
- NO LATERAL SHALL BE SMALLER THAN 3/4" DIAMETER.
- MINIMUM OPERATING PRESSURE SHALL BE 25 PSI AT THE SPRINKLER HEAD AND 50 PSI FOR ROTORS.
- MAX FLOW THROUGH LATERALS, AS FOLLOWS:  
3/4" SCH 40 PVC: 5.5 GPM  
1" SCH 40 PVC: 10.5 GPM  
1-1/4" SCH 40 PVC: 17.5 GPM  
1-1/2" SCH 40 PVC: 27 GPM  
2" SCH 40 PVC: 45 GPM
- ALL MAINLINE TO BE XXX" IN SIZE UNLESS OTHERWISE INDICATED.
- INSTALL SUPPLEMENTAL CHECK VALVES IN LATERALS AT 15' VERTICAL ELEVATION CHANGE, AS REQUIRED.

**IRRIGATION PLAN  
PUBLIC PARKING LOT**



Drawn By: DM Checked By:

Scale:

Date:

FEBRUARY 1, 2018

Project No. 2016039

**O-L1.3**  
Drawing No.

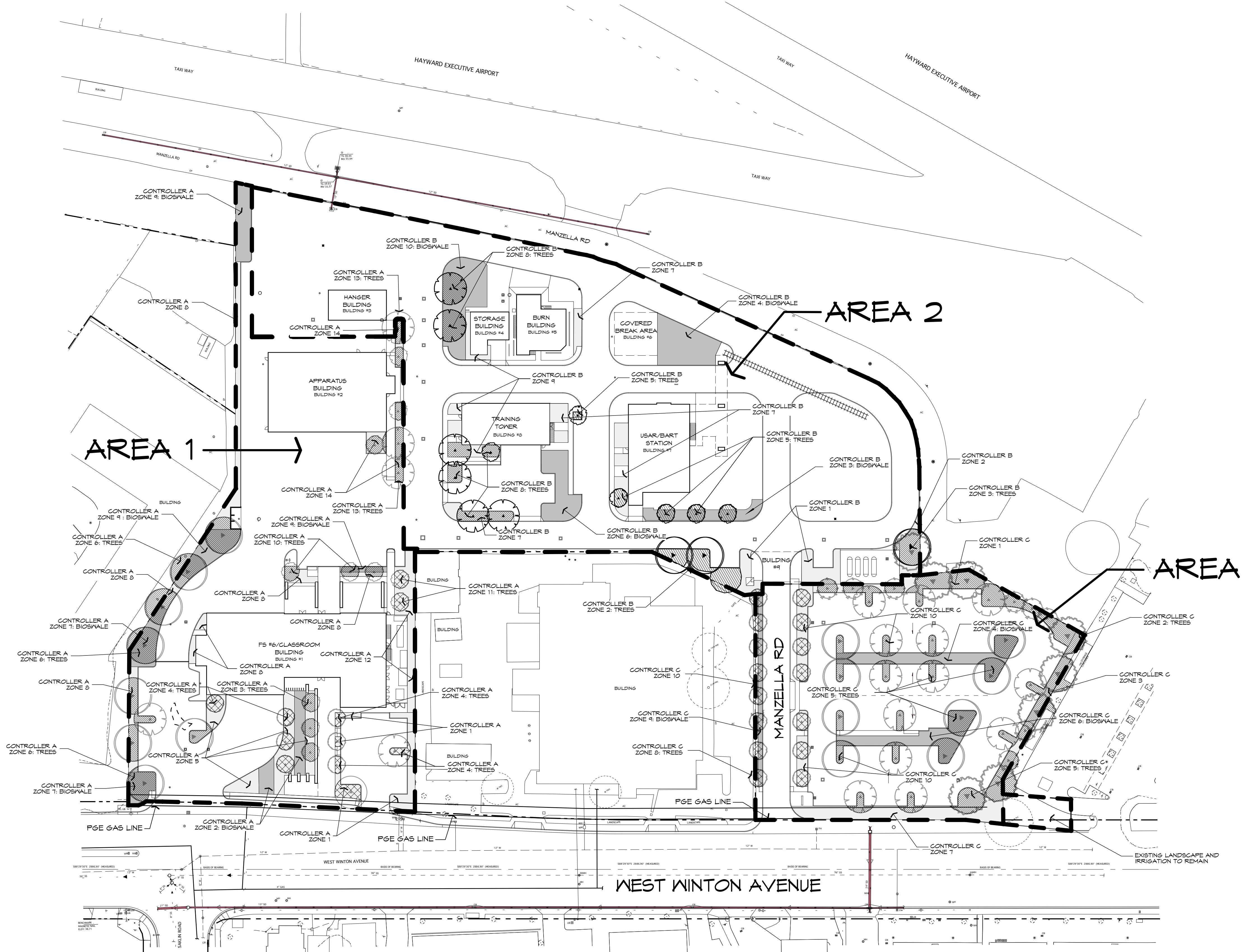




**HAYWARD  
FIRESTATION #6  
& REGIONAL  
ARFF FIRE  
TRAINING CENTER**

1401 W. WINTON  
AVE. HAYWARD, CA  
94545

REVISIONS		
No.	Description	Date



Hayward Fire Training Center  
AREA 1 - CONTROLLER A  
MAWA AND ETWU CALCULATIONS

1.) Maximum Applied Water Allowance (MAWA)  
Net Evapotranspiration Calculation

Annual Eto	44.20
B.) Adjusted Landscape Area Calculation	
Landscape Area	24,110 X 0.45 = 10,850
Special Landscape Area	- X 0.55 = -
Sum of Adjusted Landscape Area	= 10,850
MAWA =	44.20 X 0.62 X 10,850 = 297,324 Gallons

2.) Estimated Total Water Use (ETWU)

Net Evapotranspiration Calculation	Annual Eto
Very Low Water Plant Use SF	0 X 0.10 = -
Low Water Plant Use SF	21,979 X 0.30 = 6,594
Moderate Water Plant Use SF	2,131 X 0.60 = 1,279
High Water Use	X 0.80 = -
Sum of Adjusted Landscape Area	= 7,872
DRIP ETWU =	44.20 X 0.62 X 7,872 / 0.81 = 266,339 Gallons

Hayward Fire Training Center  
AREA 2 - CONTROLLER B  
MAWA AND ETWU CALCULATIONS

1.) Maximum Applied Water Allowance (MAWA)  
Net Evapotranspiration Calculation

Annual Eto	44.20
B.) Adjusted Landscape Area Calculation	
Landscape Area	16,768 X 0.45 = 7,546
Special Landscape Area	- X 0.55 = -
Sum of Adjusted Landscape Area	= 7,546
MAWA =	44.20 X 0.62 X 7,546 = 206,784 Gallons

2.) Estimated Total Water Use (ETWU)

Net Evapotranspiration Calculation	Annual Eto
Very Low Water Plant Use SF	0 X 0.10 = -
Low Water Plant Use SF	16,768 X 0.30 = 5,030
Moderate Water Plant Use SF	0 X 0.60 = -
High Water Use	X 0.80 = -
Sum of Adjusted Landscape Area	= 5,030
DRIP ETWU =	44.20 X 0.62 X 5,030 / 0.81 = 170,192 Gallons

Hayward Fire Training Center  
AREA 3 - CONTROLLER C  
MAWA AND ETWU CALCULATIONS

1.) Maximum Applied Water Allowance (MAWA)  
Net Evapotranspiration Calculation

Annual Eto	44.20
B.) Adjusted Landscape Area Calculation	
Landscape Area	26,645 X 0.45 = 11,990
Special Landscape Area	- X 0.55 = -
Sum of Adjusted Landscape Area	= 11,990
MAWA =	44.20 X 0.62 X 11,990 = 328,586 Gallons

2.) Estimated Total Water Use (ETWU)

Net Evapotranspiration Calculation	Annual Eto
Very Low Water Plant Use SF	0 X 0.10 = -
Low Water Plant Use SF	24,526 X 0.30 = 7,358
Moderate Water Plant Use SF	2,119 X 0.60 = 1,271
High Water Use	X 0.80 = -
Sum of Adjusted Landscape Area	= 8,629
DRIP ETWU =	44.20 X 0.62 X 8,629 / 0.81 = 291,950 Gallons

Hydrozone Tables  
CONTROLLER A  
HYDROZONE TABLE

VALVE NO. (HYDROZONE)	IRRIGATION METHOD	PLANT TYPE	GPM	PRECIPITATION RATE IN INCHES PER HOUR	AREA IN SQUARE FEET	% OF LANDSCAPE
D-1	DRIFTLINE	LOW	9.9	0.27	1,873.66	6.9%
D-2	DRIFTLINE	LOW	8.3	0.67	1,187.23	4.9%
B-3	BUBBLER	LOW	1.5	0.29	504.02	2.1%
B-4	BUBBLER	MODERATE	4.5	0.33	1,315.99	5.3%
D-5	DRIFTLINE	LOW	20.1	0.66	2,953.99	12.2%
B-6	BUBBLER	LOW	4.0	0.09	4,329.89	18.0%
D-7	DRIFTLINE	LOW	13.4	0.78	1,663.13	6.9%
D-8	DRIFTLINE	LOW	21.3	0.60	3,424.68	14.2%
D-9	DRIFTLINE	LOW	20.3	0.80	2,428.02	10.1%
B-10	BUBBLER	MODERATE	1.5	0.32	445.50	1.8%
B-11	BUBBLER	MODERATE	1.0	0.28	370.32	1.5%
D-12	DRIFTLINE	LOW	10.0	0.58	1,952.03	8.0%
B-13	BUBBLER	LOW	3.0	0.30	374.67	1.5%
D-14	DRIFTLINE	LOW	6.9	0.58	1,177.52	4.9%
				TOTAL SQUARE FEET	24,110.36	100%

PLANT TYPE	AREA (SF)	% OF LANDSCAPE
VERY LOW WATER USE	-	0%
LOW WATER USE	21,979.45	91%
MODERATE WATER USE	2,130.91	9%
HIGH WATER USE	-	0%
TOTAL	24,110.36	100%

ACTUAL LANDSCAPE AREA (SF)	16,170.87
DUPLICATE LANDSCAPE AREA (SF)	7,939.49
CALCULATED MAWA AND ETWU AREA (SF)	24,110.36

Hydrozone Tables  
CONTROLLER B  
HYDROZONE TABLE

VALVE NO. (HYDROZONE)	IRRIGATION METHOD	PLANT TYPE	GPM	PRECIPITATION RATE IN INCHES PER HOUR	AREA IN SQUARE FEET	% OF LANDSCAPE
D-1	ECO MAT	LOW	8.5	0.77	584.00	3.1%
D-2	DRIFTLINE	LOW	17.8	0.82	2,750.35	16.4%
B-3	BUBBLER	LOW	1.5	0.11	1,368.59	8.2%
D-4	ECO MAT	LOW	17.3	0.84	1,960.86	11.7%
B-5	BUBBLER	LOW	2.0	0.30	642.88	3.8%
D-6	ECO MAT	LOW	12.7	0.81	1,033.04	6.1%
D-7	DRIFTLINE	LOW	11.4	0.58	1,901.57	11.3%
B-8	BUBBLER	LOW	10.0	0.80	1,526.70	9.2%
D-9	DRIFTLINE	LOW	12.0	0.60	2,077.93	12.4%
D-10	ECO MAT	LOW	23.5	0.83	2,711.91	16.2%
				TOTAL SQUARE FEET	16,768.33	100%

PLANT TYPE	AREA (SF)	% OF LANDSCAPE
VERY LOW WATER USE	-	0%
LOW WATER USE	16,768.33	100%
MODERATE WATER USE	-	0%
HIGH WATER USE	-	0%
TOTAL	16,768.33	100%

ACTUAL LANDSCAPE AREA (SF)	13,630.16
DUPLICATE LANDSCAPE AREA (SF) <th>3,138.17</th>	3,138.17
CALCULATED MAWA AND ETWU AREA (SF) <th>16,768.33</th>	16,768.33

Hydrozone Tables  
CONTROLLER C  
HYDROZONE TABLE

VALVE NO. (HYDROZONE)	IRRIGATION METHOD	PLANT TYPE	GPM	PRECIPITATION RATE IN INCHES PER HOUR	AREA IN SQUARE FEET	% OF LANDSCAPE
D-1	DRIFTLINE	LOW	18.4	0.57	3,123.66	11.7%
B-2	BUBBLER	LOW	9.5	0.18	5,118.03	19.2%
D-3	DRIFTLINE	LOW	18.7	1.28	1,427.80	5.4%
D-4	DRIFTLINE	LOW	4.9	0.40	2,120.57	8.0%
B-5	BUBBLER	LOW	8.5	0.22	3,721.17	14.0%
D-6	DRIFTLINE	LOW	19.7	0.88	1,819.92	7.2%
D-7	DRIFTLINE	LOW	19.0	0.55	3,223.82	12.5%
B-8	BUBBLER	MODERATE	2.5	0.34	2,118.18	8.0%
D-9	DRIFTLINE	LOW	7.2	0.67	716.08	2.7%
D-10	DRIFTLINE	LOW	20.7	0.81	3,068.30	11.5%
				TOTAL SQUARE FEET	26,645.41	100%

PLANT TYPE	AREA (SF)	% OF LANDSCAPE
VERY LOW WATER USE	-	0%
LOW WATER USE	24,526.25	92%
MODERATE WATER USE	2,119.16	8%
HIGH WATER USE	-	0%
TOTAL	26,645.41	100%

ACTUAL LANDSCAPE AREA (SF)	15,877.05
DUPLICATE LANDSCAPE AREA (SF) <th>10,996.36</th>	10,996.36
CALCULATED MAWA AND ETWU AREA (SF) <th>26,645.41</th>	26,645.41

AREA CALCULATION NOTE  
WATER USE CALCULATIONS ARE BASED ON ACTUAL AND DUPLICATED LANDSCAPE AREAS. ACTUAL LANDSCAPE AREAS INCLUDE ALL SITE AREAS OCCUPIED WITH LANDSCAPE TREATMENT. DUPLICATED LANDSCAPE AREAS ARE THOSE AREAS WHERE A PROPOSED TREE CANOPY OVERLAPS AN ACTUAL LANDSCAPE AREA. ACTUAL PLUS DUPLICATED LANDSCAPE AREAS ARE INCLUDED IN THE OVERALL LANDSCAPE AREA FOR MAWA CALCULATIONS.  
FOR MAWA AREA AND HYDROZONE CALCULATIONS, SQUARE FOOTAGE BENEATH THE DRIP LINE OF A TREE IS CONSIDERED A SEPARATE HYDROZONE. THIS SQUARE FOOTAGE IS ALSO INCLUDED AS PART OF THE LANDSCAPE HYDROZONE FOR NON-TREE LANDSCAPE AREAS WHICH RESULTS IN CALCULATED LANDSCAPE AREAS GREATER THAN ACTUAL SQUARE FOOTAGE.

**IRRIGATION HYDROZONES  
AND WATER CALCULATIONS**



HYDROZONE MAP

PLANNING  
SPR RESUBMITTAL

Drawn By: DM Checked By:

Scale:  
Date: FEBRUARY 1, 2018  
Project No. 2016039

**O-L1.4**

Drawing No.



**U.S.A NOTE**

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THIS DRAWING COMPLIES WITH THE CRITERIA OF THE CITY OF HAYWARD-BAY FRIENDLY WATER EFFICIENT LANDSCAPE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN AND THE OVERALL LANDSCAPE DESIGN.

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**HAYWARD  
FIRESTATION #6  
& REGIONAL  
ARFF FIRE  
TRAINING CENTER**

1401 W. WINTON  
AVE. HAYWARD, CA  
94545

REVISIONS		
No.	Description	Date

PLANTING PLAN  
SOUTHWEST AND  
NORTHWEST QUADRANT  
PLANNING  
SPR RESUBMITTAL

Drawn By: DM Checked By:

Scale:  
Date:  
FEBRUARY 1, 2018  
Project No.: 2016039

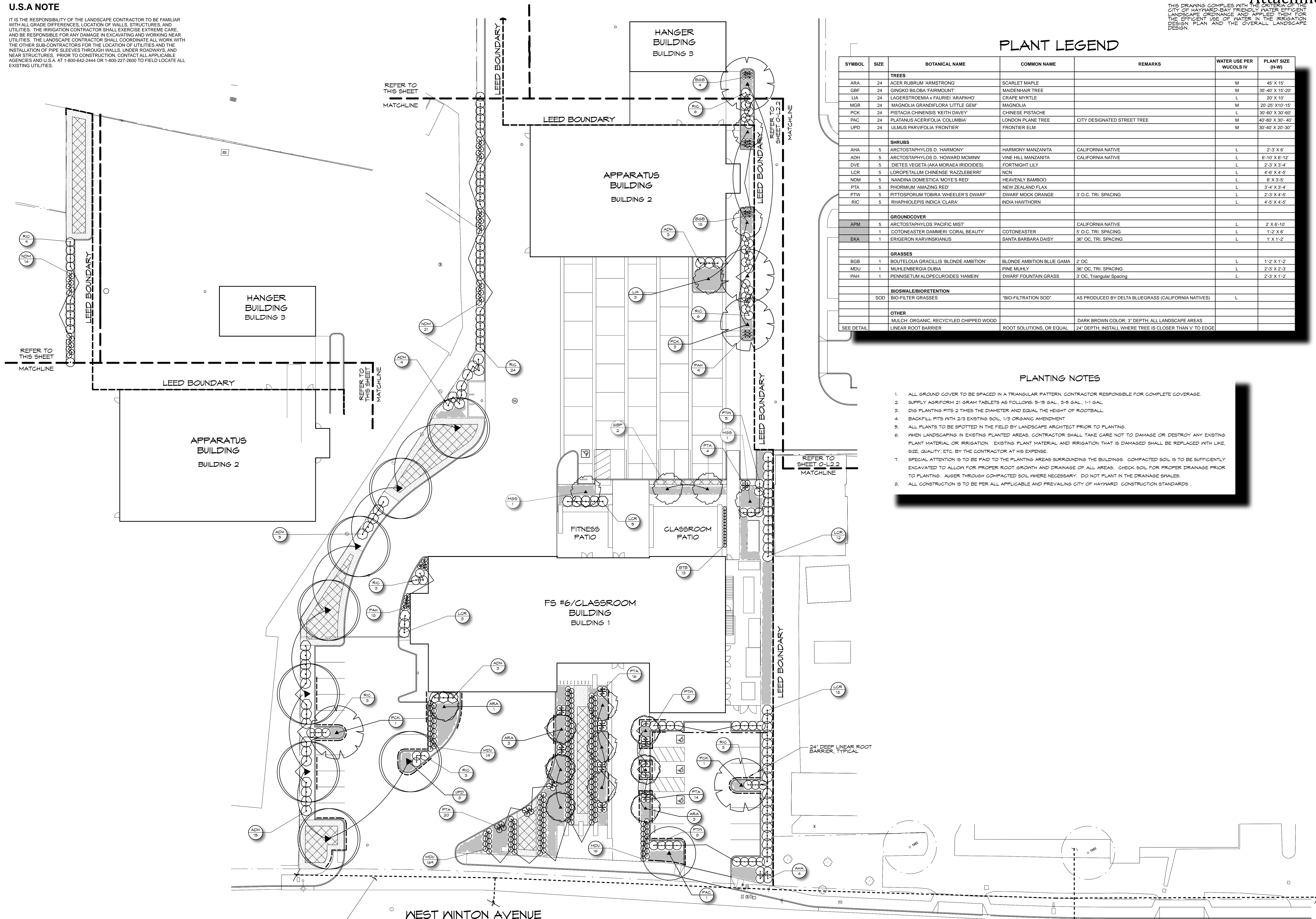
**O-L2.1**  
Drawing No.

**PLANT LEGEND**

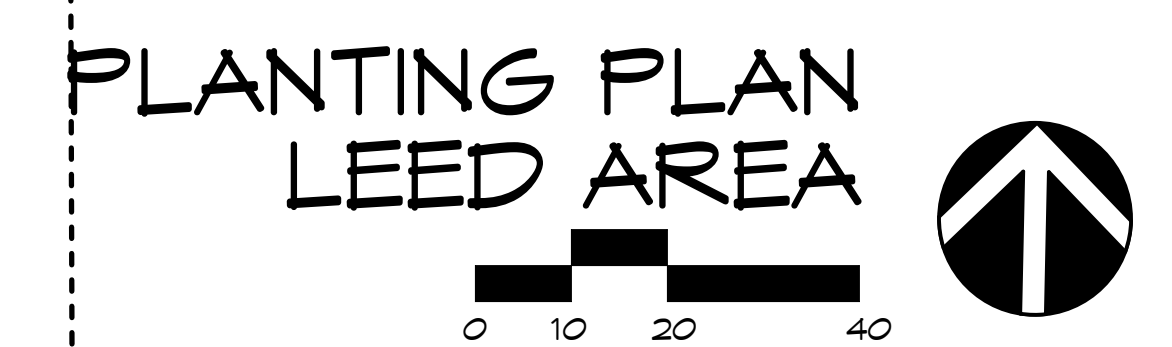
SYMBOL	SIZE	BOTANICAL NAME	COMMON NAME	REMARKS	WATER USE PER WUCOLS IV	PLANT SIZE (H-W)
<b>TREES</b>						
ARA	24	ACER RUBRUM 'ARMSTRONG'	SCARLET MAPLE		M	45' X 15'
GBF	24	GINGKO BILOBA 'FAIRMOUNT'	MAIDENHAIR TREE		M	35-40' X 15'-20'
LIA	24	LAGERSTROEMIA x FAURIEI 'ARAPAHO'	CRAPE MYRTLE		L	20' X 10'
MGR	24	MAGNOLIA GRANDIFLORA 'LITTLE GEM'	MAGNOLIA		M	20'-25' X 10'-15'
PCK	24	PISTACIA CHINENSIS 'KEITH DAVEY'	CHINESE PISTACHE		L	30'-60' X 30'-40'
PAC	24	PLATANUS ACERIFOLIA 'COLUMBIA'	LONDON PLANE TREE	CITY DESIGNATED STREET TREE	M	40'-80' X 30'-40'
UPD	24	ULMUS PARVIFOLIA 'FRONTIER'	FRONTIER ELM		M	30'-40' X 20'-30'
<b>SHRUBS</b>						
AHA	5	ARCTOSTAPHYLOS D. 'HARMONY'	HARMONY MANZANITA	CALIFORNIA NATIVE	L	2'-3' X 6'
ADH	5	ARCTOSTAPHYLOS D. 'HOWARD MCMINN'	VINE HILL MANZANITA	CALIFORNIA NATIVE	L	6'-10' X 6'-12'
DVE	5	DIETES VEGETA (AKA MORAEA IRIDOIDES)	FORTNIGHT LILY		L	2'-3' X 3'-4'
LCR	5	LOROPETALUM CHINENSE 'RAZZLEBERRY'	NCN		L	4'-6' X 4'-5'
NDM	5	NANDINA DOMESTICA 'MOYE'S RED'	HEAVENLY BAMBOO		L	6' X 3'-5'
PTA	5	PHORMIUM 'AMAZING RED'	NEW ZEALAND FLAX		L	3'-4' X 3'-4'
PTW	5	PITTOSPORUM TOBIRA 'WHEELER'S DWARF'	DWARF MOCK ORANGE	3' O.C. TRI. SPACING	L	2'-3' X 4'-5'
RIC	5	RHAPHIOLEPIS INDICA 'CLARA'	INDIA HAWTHORN		L	4'-5' X 4'-5'
<b>GROUND COVER</b>						
APM	5	ARCTOSTAPHYLOS 'PACIFIC MIST'	CALIFORNIA NATIVE		L	2' X 6'-10'
AKA	1	COTONEASTER DAMMERI 'CORAL BEAUTY'	COTONEASTER	5' O.C. TRI. SPACING	L	1'-2' X 6'
EKA	1	ERIGERON KARVINSKIANUS	SANTA BARBARA DAISY	36" OC. TRI. SPACING	L	1' X 1'-2'
<b>GRASSES</b>						
BGB	1	BOUTELOUA GRACILLIS 'BLONDE AMBITION'	BLONDE AMBITION BLUE GRAMA	2' OC	L	1'-2' X 1'-2'
MDU	1	MUHLENBERGIA DUBIA	PINE MUHLY	36" OC. TRI. SPACING	L	2'-3' X 2'-3'
PAH	1	PENNISETUM ALOPECUROIDES 'HAMEIN'	DWARF FOUNTAIN GRASS	3' OC, Triangular Spacing	L	2'-3' X 1'-2'
<b>BIOSWALE/BIORETENTION</b>						
SOD		BIO-FILTER GRASSES	'BIO-FILTRATION SOD'	AS PRODUCED BY DELTA BLUEGRASS (CALIFORNIA NATIVES)	L	
<b>OTHER</b>						
		MULCH: ORGANIC, RECYCLED CHIPPED WOOD		DARK BROWN COLOR; 3" DEPTH; ALL LANDSCAPE AREAS		
		SEE DETAIL	LINEAR ROOT BARRIER	ROOT SOLUTIONS, OR EQUAL		24" DEPTH; INSTALL WHERE TREE IS CLOSER THAN Y TO EDGE

**PLANTING NOTES**

- ALL GROUND COVER TO BE SPACED IN A TRIANGULAR PATTERN. CONTRACTOR RESPONSIBLE FOR COMPLETE COVERAGE.
- SUPPLY ASRIFORM 21 GRAM TABLETS AS FOLLOWS: 5-15 GAL, 3-5 GAL, 1-1 GAL.
- DIG PLANTING PITS 2 TIMES THE DIAMETER AND EQUAL THE HEIGHT OF ROOTBALL.
- BACKFILL PITS WITH 2/3 EXISTING SOIL, 1/3 ORGANIC AMENDMENT.
- ALL PLANTS TO BE SPOTTED IN THE FIELD BY LANDSCAPE ARCHITECT PRIOR TO PLANTING.
- WHEN LANDSCAPING IN EXISTING PLANTED AREAS, CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE OR DESTROY ANY EXISTING PLANT MATERIAL OR IRRIGATION. EXISTING PLANT MATERIAL AND IRRIGATION THAT IS DAMAGED SHALL BE REPLACED WITH LIKE, SIZE, QUALITY, ETC. BY THE CONTRACTOR AT HIS EXPENSE.
- SPECIAL ATTENTION IS TO BE PAID TO THE PLANTING AREAS SURROUNDING THE BUILDINGS. COMPACTED SOIL IS TO BE SUFFICIENTLY EXCAVATED TO ALLOW FOR PROPER ROOT GROWTH AND DRAINAGE OF ALL AREAS. CHECK SOIL FOR PROPER DRAINAGE PRIOR TO PLANTING. AUGER THROUGH COMPACTED SOIL WHERE NECESSARY. DO NOT PLANT IN THE DRAINAGE SWALES.
- ALL CONSTRUCTION IS TO BE PER ALL APPLICABLE AND PREVAILING CITY OF HAYWARD CONSTRUCTION STANDARDS.



REFER TO SHEET O-L2.4  
FOR TREE REMOVAL PLAN  
AND TREE VALUATIONS



PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.

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**HAYWARD  
FIRESTATION #6  
& REGIONAL  
ARFF FIRE  
TRAINING CENTER**

1401 W. WINTON  
AVE. HAYWARD, CA  
94545

REVISIONS  
No. Description Date

PLANTING PLAN  
NORTHEAST QUADRANT  
PLANNING  
SPR RESUBMITTAL

Drawn By: DM Checked By:

Scale:

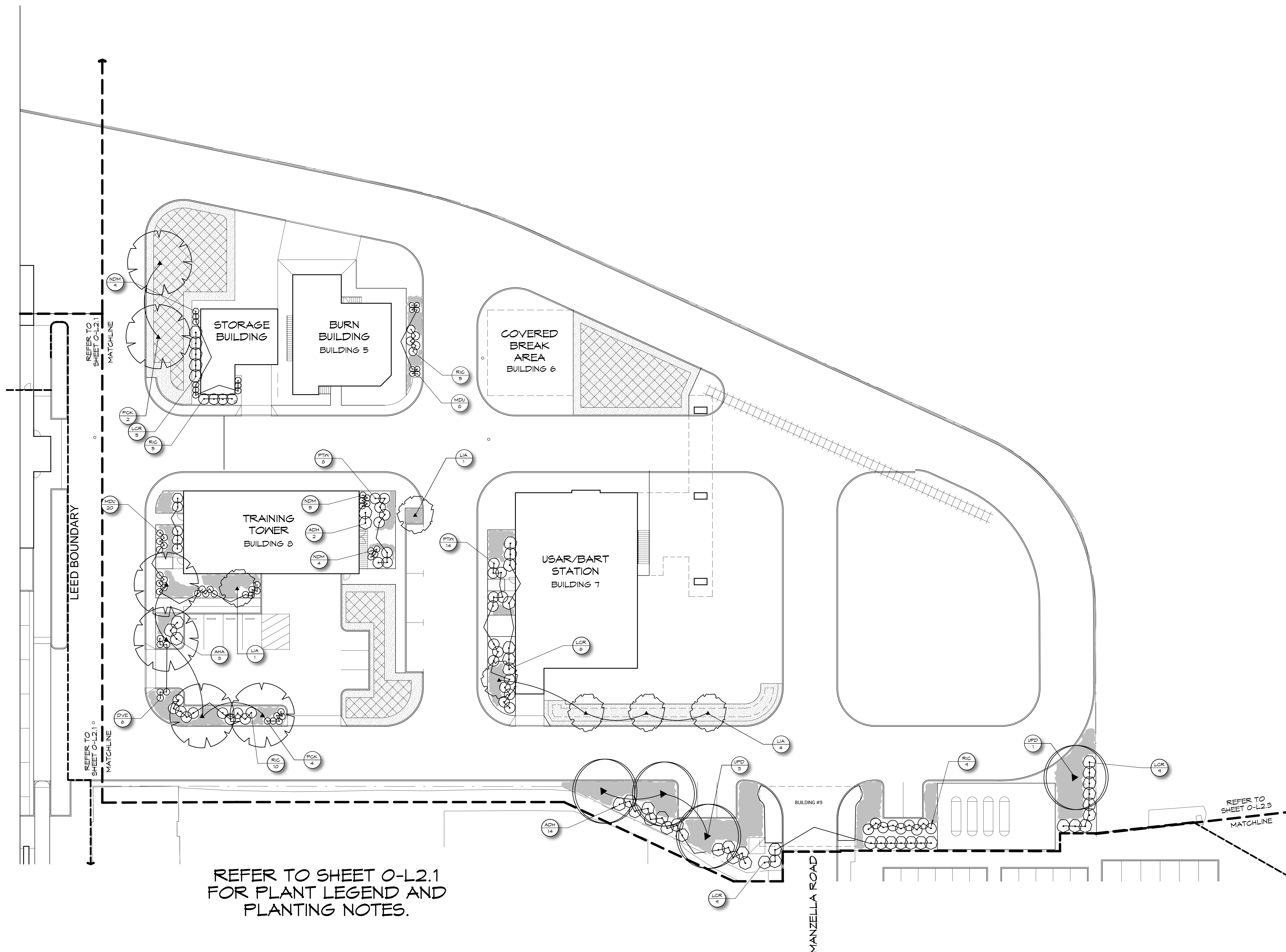
Date: FEBRUARY 1, 2018

Project No. 2016039

**O-L2.2**

Drawing No.

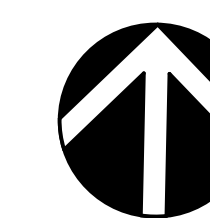
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REFER TO SHEET O-L2.1  
FOR PLANT LEGEND AND  
PLANTING NOTES.

REFER TO SHEET O-L2.4  
FOR TREE REMOVAL PLAN  
AND TREE VALUATIONS

**PLANTING PLAN  
TRAINING AREA**



PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.



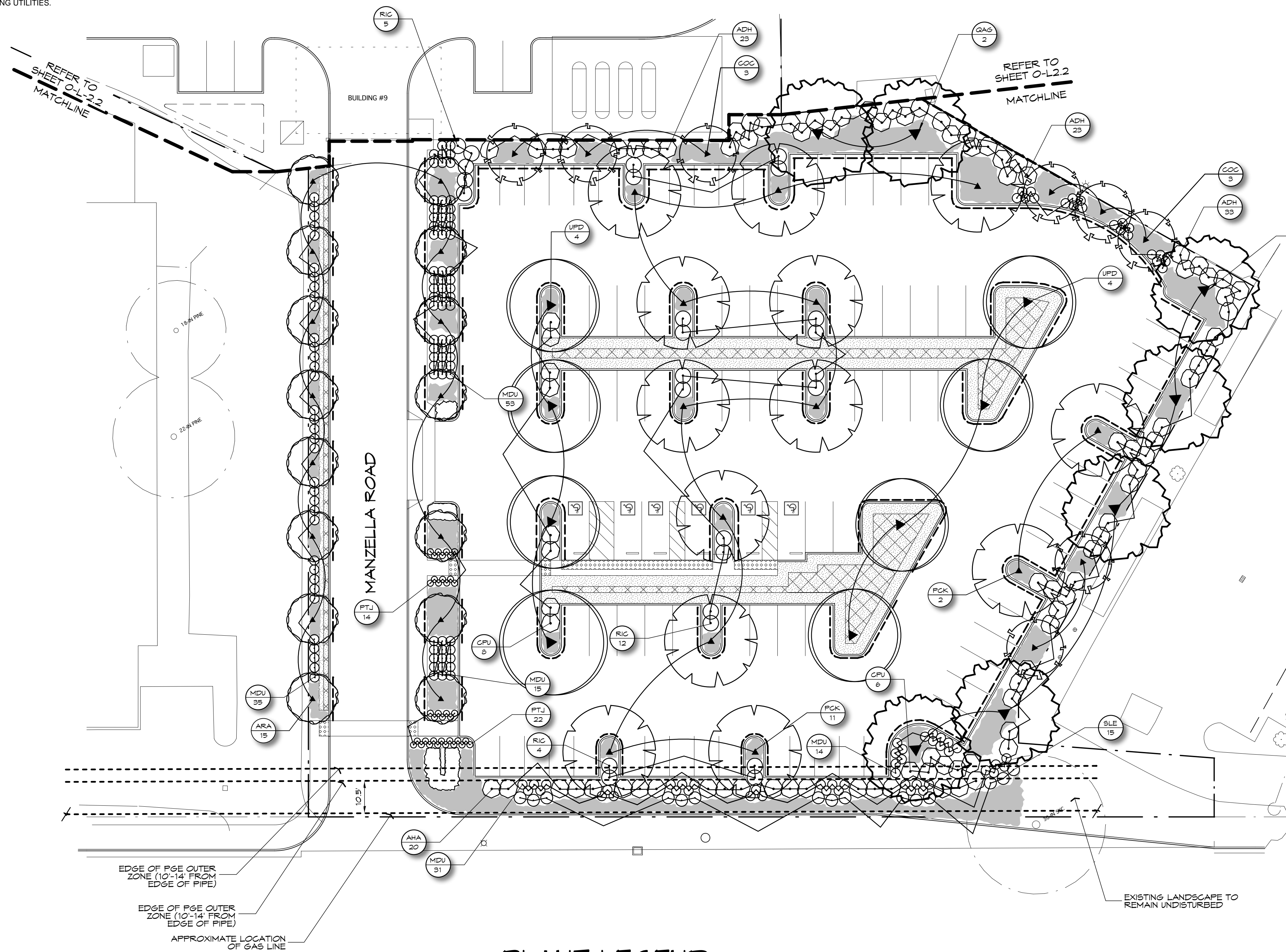
**U.S.A NOTE**

IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO BE FAMILIAR WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, STRUCTURES, AND UTILITIES. THE IRRIGATION CONTRACTOR SHALL EXERCISE EXTREME CARE AND BE RESPONSIBLE FOR ANY DAMAGE IN EXCAVATING AND WORKING NEAR UTILITIES. THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OTHER SUB-CONTRACTORS FOR THE LOCATION OF UTILITIES AND THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, AND NEAR STRUCTURES. PRIOR TO CONSTRUCTION, CONTACT ALL APPLICABLE AGENCIES AND U.S.A. AT 1-800-642-2444 OR 1-800-227-2600 TO FIELD LOCATE ALL EXISTING UTILITIES.

THIS DRAWING COMPLES WITH THE CRITERIA OF THE CITY OF HAYWARD-BAY FRIENDLY WATER EFFICIENT LANDSCAPE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN AND THE OVERALL LANDSCAPE DESIGN.

**PLANTING NOTES**

1. ALL GROUND COVER TO BE SPACED IN A TRIANGULAR PATTERN, CONTRACTOR RESPONSIBLE FOR COMPLETE COVERAGE.
2. SUPPLY AGRIFORM 21 GRAM TABLETS AS FOLLOWS: 5-15 GAL., 3-5 GAL., 1-1 GAL.
3. DIG PLANTING PITS 2 TIMES THE DIAMETER AND EQUAL THE HEIGHT OF ROOTBALL.
4. BACKFILL PITS WITH 2/3 EXISTING SOIL, 1/3 ORGANIC AMENDMENT
5. ALL PLANTS TO BE SPOTTED IN THE FIELD BY LANDSCAPE ARCHITECT PRIOR TO PLANTING.
6. WHEN LANDSCAPING IN EXISTING PLANTED AREAS, CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE OR DESTROY ANY EXISTING PLANT MATERIAL OR IRRIGATION. EXISTING PLANT MATERIAL AND IRRIGATION THAT IS DAMAGED SHALL BE REPLACED WITH LIKE, SIZE, QUALITY, ETC. BY THE CONTRACTOR AT HIS EXPENSE.
7. SPECIAL ATTENTION IS TO BE PAID TO THE PLANTING AREAS SURROUNDING THE BUILDINGS. COMPACTED SOIL IS TO BE SUFFICIENTLY EXCAVATED TO ALLOW FOR PROPER ROOT GROWTH AND DRAINAGE OF ALL AREAS. CHECK SOIL FOR PROPER DRAINAGE PRIOR TO PLANTING. AUGER THROUGH COMPACTED SOIL WHERE NECESSARY. DO NOT PLANT IN THE DRAINAGE SWALES.
8. ALL CONSTRUCTION IS TO BE PER ALL APPLICABLE AND PREVAILING CITY OF HAYWARD CONSTRUCTION STANDARDS.

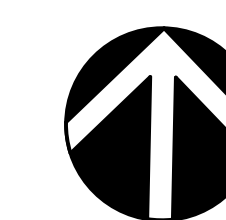


**PLANT LEGEND**

SYMBOL	SIZE	BOTANICAL NAME	COMMON NAME	REMARKS	WATER USE PER WUCOLS IV	PLANT SIZE (H-W)
<b>TREES</b>						
ARA	24	ACER RUBRUM 'ARMSTRONG'	SCARLET MAPLE		M	45' X 15'
COC	24	CERCIS OCCIDENTALIS	WESTERN REDBUD	MULTI-TRUNK, CALIFORNIA NATIVE	VL	20' X 10'-15'
LIA	24	LAGERSTROEMIA x FAURIEI 'ARAPAHO'	CRAPE MYRTLE		L	20' X 10'
PCK	24	PISTACIA CHINENSIS 'KEITH DAVEY'	CHINESE PISTACHE		L	30'-60' X 30'-60'
QAG	24	QUERCUS AGRIFOLIA	COAST LIVE OAK	CALIFORNIA NATIVE	VL	20'-70' X 20'-70'
UPD	24	ULMUS PARVIFOLIA 'FRONTIER'	FRONTIER ELM		M	30'-40' X 20'-30'
<b>SHRUBS</b>						
AHA	5	ARCTOSTAPHYLOS D. 'HARMONY'	HARMONY MANZANITA	CALIFORNIA NATIVE	L	2'-3' X 6'
ADH	5	ARCTOSTAPHYLOS D. 'HOWARD MCMINN'	VINE HILL MANZANITA	CALIFORNIA NATIVE	L	6'-10' X 6'-12'
CPU	5	CISTUS PURPUREUS	ORCHID ROCKROSE		L	4' X 4'-6'
PTJ	5	PHORMIUM TENAX 'JACK SPRATT'	NEW ZEALAND FLAX		L	1'-2' X 1'-2'
RIC	5	RHAPHIOLEPIS INDICA CLARA	INDIA HAWTHORN		L	4'-5' X 4'-5'
SLE	5	SALVIA LEUCANTHA 'PURPLE VELVET'	MEXICAN BUSH SAGE		L	3'-5' X 3'-5'
<b>GROUND COVER</b>						
APM	5	ARCTOSTAPHYLOS 'PACIFIC MIST'		CALIFORNIA NATIVE	L	2' X 6'-10'
	1	COTONEASTER DAMMERI 'CORAL BEAUTY'	COTONEASTER	5' O.C. TRI. SPACING	L	1'-2' X 6'
EKA	1	ERIGERON KARVINSKIANUS	SANTA BARBARA DAISY	36" O.C. TRI. SPACING	L	1' X 1'-2'
<b>GRASSES</b>						
MDU	1	MULLENBERGIA DUBIA	PINE MUHLY	36" O.C. TRI. SPACING	L	2'-3' X 2'-3'
<b>BIOSWALE/BIORETENTION</b>						
SOD		BIO-FILTER GRASSES	'BIO-FILTRATION SOD'	AS PRODUCED BY DELTA BLUEGRASS (CALIFORNIA NATIVES)	L	
<b>OTHER</b>						
		MULCH: ORGANIC, RECYCLED CHIPPED WOOD		DARK BROWN COLOR; 3" DEPTH; ALL LANDSCAPE AREAS		
SEE DETAIL		LINEAR ROOT BARRIER	ROOT SOLUTIONS, OR EQUAL	24" DEPTH; INSTALL WHERE TREE IS CLOSER THAN V TO EDGE		

REFER TO SHEET O-L2.4 FOR TREE REMOVAL PLAN AND TREE VALUATIONS

**PLANTING PLAN  
PUBLIC PARKING LOT**



PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.

18294 Sonoma Highway  
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CA 95476

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ARCHITECTURE



**MACNAIR**  
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**HAYWARD  
FIRESTATION #6  
& REGIONAL  
ARFF FIRE  
TRAINING CENTER**

1401 W. WINTON  
AVE. HAYWARD, CA  
94545

REVISIONS  
No. Description Date

PLANTING PLAN  
SOUTHEAST QUADRANT  
PLANNING  
SPR RESUBMITTAL

Drawn By: DM Checked By:

Scale:

Date:

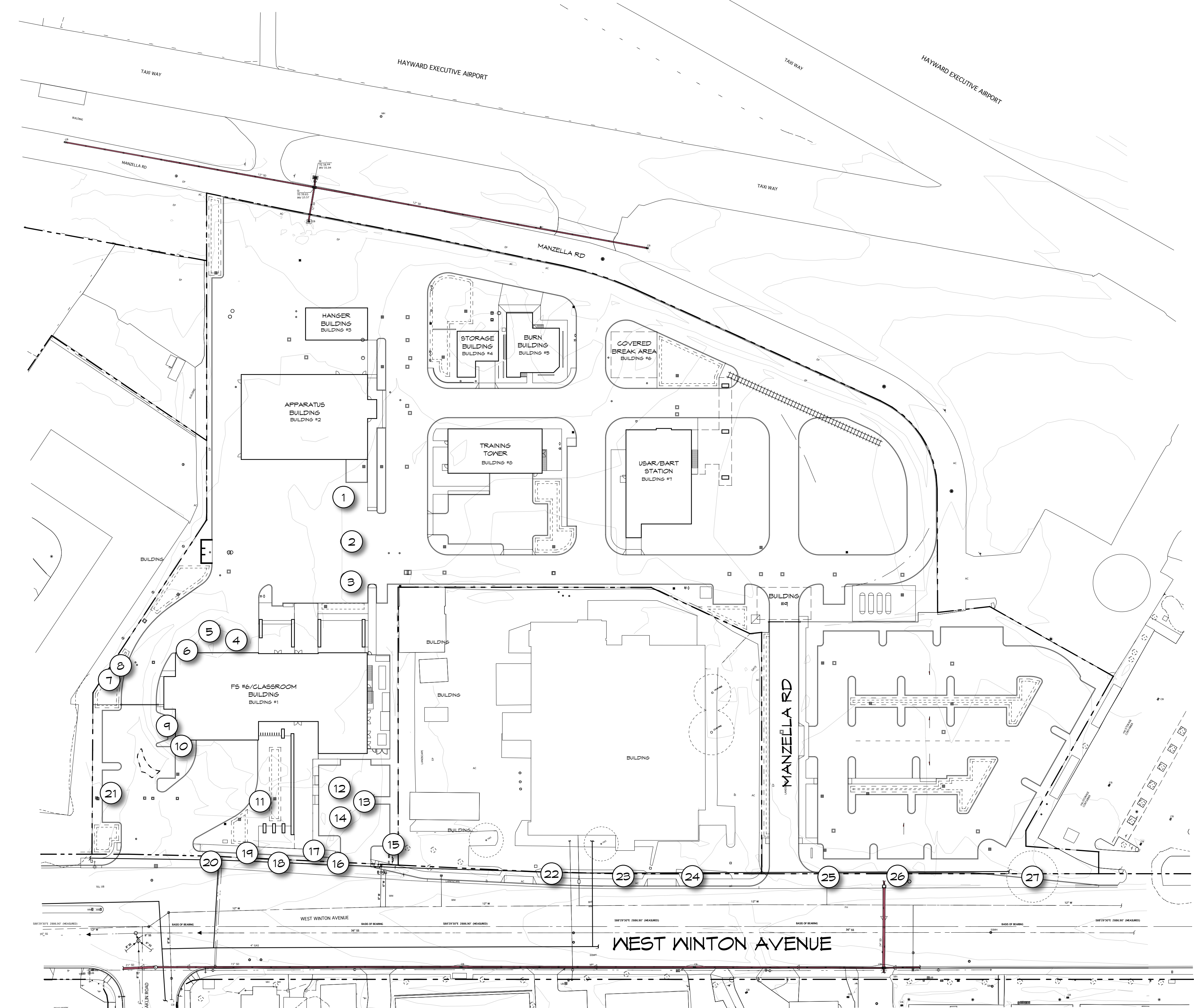
FEBRUARY 1, 2018

Project No. 2016039

**O-L2.3**  
Drawing No.

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Hayward Fire Training Facility  
 Appendix B- Tree Valuations

Tree Formula Method Appraisal Calculations

Tree #	Species	Condition	Trunk Diameter @ 4.5' (inches)	# of Trunks	Crown Height	Crown Diameter	Health Rating	Structural Rating	Comments/Observations	Suitability for Preservation (Based on Condition)	Construction Impact	Tree Impact Code	Protected Tree Status	Appraisal Value (Protected Tree)
001	Italian stone pine	3	19.5	1	25'	35'-40'	3.0	3.0	Wide spreading crown form. Closely spaced, multiple limb attachments form at 8'. No significant structural defects observed. Vigor and foliage density are moderate to good.	Moderate	located within construction or grading limits with removal required.	RC	Yes	\$12,100.00
002	bronze leucophaea	3	11.5	1	25'	25'	3.0	3.0	Round crown form with closely spaced, multiple limb attachments form at 8'. No significant structural defects observed. Area of variable foliage density. Limited twig dieback occurring.	Moderate	located within construction or grading limits with removal required.	RC	Yes	\$5,800.00
003	bronze leucophaea	3	11.5	1	25'	30'	2.5	3.0	Wide shaped crown with closely spaced, multiple limb attachments form at 8'. Significant twig dieback occurring.	Moderate	located within construction or grading limits with removal required.	RC	Yes	\$5,800.00
004	Italian stone pine (Pinus pinaster)	3	30.5	1	35'-40'	50'-55'	3.0	2.0	Mature tree with co-dominant trunks forming at 4.5'. Wide symmetrical crown form. Wood reaction ridge present. Dense crown with normal vigor. Dense ivy on lower trunk.	Marginal	located within construction or grading limits with removal required.	RC	Yes	\$12,900.00
005	Italian stone pine	3	26.1	2	35'-40'	50'-55'	3.0	2.0	Mature tree with three trunk structure forming at 4.5'. Wide symmetrical crown form. Wood reaction ridge present. Significant pavement displacement occurring from roots. Vigor and foliage density are normal. Dense ivy on lower trunk.	Marginal	located within construction or grading limits with removal required.	RC	Yes	\$21,100.00
006	Italian stone pine	3	4.3	1	35'-40'	50'-55'	3.0	2.0	Mature tree with closely spaced limb attachments forming at 4.5'. Wide, symmetrical, and dense crown. Extended limb over building. Vigor and foliage density are normal. Dense ivy on lower trunk.	Marginal	located within construction or grading limits with removal required.	RC	Yes	\$23,300.00
007	willow (Salix lasiolepis)	3	21	1	40'-45'	35'-40'	2.0	1.5	Mature tree with significant trunk and limb decay. History of limb failure. Old second trunk removed at base.	Poor	located within construction or grading limits with removal required.	RC	Yes	\$900.00
008	willow	3	6.14	2	40'	30'-35'	2.0	2.0	Low, two trunk structure forming at grade. Small canopy opening at base of trunk. High-branched structure. Old opposite side of tree is a 35' willow in very poor condition.	Poor	located within construction or grading limits with removal required.	RC	Yes	\$400.00
009	Italian stone pine	3	34.35	2	45'-50'	40'-45'	3.0	2.0	Mature tree with low, two trunk structure. Wide structure with extended and heavy limbs. History of lower crown pruning. Vigor and foliage density are normal.	Marginal	located within construction or grading limits with removal required.	RC	Yes	\$27,600.00

MacNair and Associates Page 1 of 3 9/14/17

Hayward Fire Training Facility, Hayward, CA Tree Evaluation and Construction Impact Assessment (Appendix A)

Tree # / GPS Waypoint	Species	Trunk Diameter @ 4.5' (inches)	# of Trunks	Crown Height	Crown Diameter	Health Rating	Structural Rating	Comments/Observations	Suitability for Preservation (Based on Condition)	Construction Impact	Tree Impact Code	Protected Tree Status	Appraisal Value (Protected Tree)
010	Italian stone pine	32	1	50'	30'-35'	3.0	3.0	Mature tree with single trunk structure. Significant crown form with no significant structural defects observed. Dense crown. Pavement displacement occurring.	Moderate	located within construction or grading limits with removal required.	RC	Yes	\$18,100.00
011	Shamohai (Pisonum ulmifolium)	17	1	30'-35'	30'-35'	2.0	2.0	Semi-mature tree with closely spaced, multiple limb attachments. Deep scars and included attachments present. Vigor is moderately low and significant upper crown dieback occurring.	Poor	located within construction or grading limits with removal required.	RC	Yes	\$2,600.00
012	Italian stone pine	24.30	2	35'-40'	35'-40'	3.0	2.0	Mature tree with narrow crown structure with stem present. Dense, symmetrical crown form. Extended and weighted limb form.	Marginal	located within construction or grading limits with removal required.	RC	Yes	\$20,800.00
013	Italian stone pine	33.5	1	35'-40'	35'-40'	3.0	2.0	Mature tree with co-dominant trunks forming at 10'. Vertical trunk forms with narrow crown and wood reaction ridge present.	Marginal	located within construction or grading limits with removal required.	RC	Yes	\$15,300.00
014	Italian stone pine	26	1	35'-40'	35'-40'	3.0	3.0	Mature tree with single trunk structure. No significant structural defects observed. Dense crown.	Moderate	located within construction or grading limits with removal required.	RC	Yes	\$12,200.00
015	English walnut (Juglans regia)	7 (low)	2	12'	15'	3.0	3.0	Young tree with low structure. No significant structural defects observed. Vigor and foliage density are moderate. Located at fence line.	Moderate	located within construction or grading limits with removal required.	RC	Yes	\$300.00
016	London plane tree (Platanus acerifolia 'Bronzeleaf')	26	1	40'-45'	45'-50'	2.0	3.0	Mature tree located adjacent to sidewalk. History of displacement and repairs. Closely spaced, multiple limb attachments form at 10'. History of lower crown pruning. No significant structural defects. Vigor is low with significant branch and limb dieback occurring. Significant crown dieback.	Marginal	located within the PG&E high pressure gas line easement and is being removed as part of the gas line project.	NA	Yes	NA
017	brinigo (Dialpa brinigo)	7.5	1	15'	20'	2.5	3.0	Small tree with leaning form. No significant structural defects. Vigor is moderately low from straight trunk.	Moderate	located within construction or grading limits with removal required.	RC	Yes	\$1,800.00
018	London plane tree	16.5	1	35'	30'	1.5	2.5	Mature tree located adjacent to storm drain. Open limb structure with history of lower crown pruning. Very low vigor with substantial branch and twig dieback.	Poor	located within the PG&E high pressure gas line easement and is being removed as part of the gas line project.	NA	Yes	NA
019	brinigo	7	1	18'-20'	15'	3.0	3.0	Young tree with closely spaced multiple limb attachments. No significant structural defects observed. Vigor and foliage density are moderate.	Moderate	located within construction or grading limits with removal required.	RC	Yes	\$1,600.00
020	London plane tree	13	1	35'	30'	2.0	2.5	Located in 4' sidewalk cutout. Semi-mature tree with open, symmetrical crown form. Lower crown pruning. Vigor is low with twig dieback occurring.	Marginal	located within the PG&E high pressure gas line easement and is being removed as part of the gas line project.	NA	Yes	NA

MacNair and Associates Page 3 of 3 9/14/17

Hayward Fire Training Facility, Hayward, CA Tree Evaluation and Construction Impact Assessment (Appendix A)

Tree # / GPS Waypoint	Species	Trunk Diameter @ 4.5' (inches)	# of Trunks	Crown Height	Crown Diameter	Health Rating	Structural Rating	Comments/Observations	Suitability for Preservation (Based on Condition)	Construction Impact	Tree Impact Code	Protected Tree Status	Appraisal Value (Protected Tree)
021	brinigo	6	1	18'	12'	3.0	3.0	Young tree with no significant structural defects. Vigor and foliage density are moderate.	Moderate to Good	located within construction or grading limits with removal required.	RC	Yes	\$1,300.00
022	London plane tree	27	1	50'-55'	50'-60'	2.5	3.0	Mature tree with closely spaced, multiple limb attachments. No significant structural defects present. Lower crown pruning. Vigor and foliage density are moderately low with twig dieback occurring.	Moderate	located within the PG&E high pressure gas line easement and is being removed as part of the gas line project.	NA	Yes	NA
023	London plane tree	25	1	50'-55'	50'-60'	2.5	3.0	Mature tree with closely spaced, multiple limb attachments. No significant structural defects present. Lower crown pruning. Vigor and foliage density are moderately low with twig dieback occurring.	Moderate	located within the PG&E high pressure gas line easement and is being removed as part of the gas line project.	NA	Yes	NA
024	London plane tree	18.5	1	50'-55'	50'-60'	1.5	2.5	Mature tree mostly entirely defoliated. Lower trunk wound present. Open limb structure.	Poor	located within the PG&E high pressure gas line easement and is being removed as part of the gas line project.	NA	Yes	NA
025	London plane tree	26	1	45'-50'	40'-45'	2.5	3.0	Mature tree with closely spaced, multiple limb attachments. No significant structural defects present. Lower crown pruning. Vigor and foliage density are moderate to low with twig dieback occurring.	Moderate	located within the PG&E high pressure gas line easement and is being removed as part of the gas line project.	NA	Yes	NA
026	London plane tree	15.5	1	45'-50'	40'-45'	2.5	3.0	Mature tree with closely spaced, multiple limb attachments. No significant structural defects present. Lower crown pruning. Vigor and foliage density are moderate to low with twig dieback occurring.	Moderate	located within the PG&E high pressure gas line easement and is being removed as part of the gas line project.	NA	Yes	NA
027	London plane tree	31.5	1	50'-55'	50'-60'	2.5	3.0	Mature tree with closely spaced, multiple limb attachments. No significant structural defects present. Lower crown pruning. Vigor and foliage density are moderate to low with twig dieback occurring.	Moderate	located within the PG&E high pressure gas line easement and is being removed as part of the gas line project.	NA	Yes	NA

MacNair and Associates Page 3 of 3 9/14/17

ARCHITECTURE

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 don@macnairlandscapes.com

**HAYWARD FIRESTATION #6 & REGIONAL ARFF FIRE TRAINING CENTER**

1401 W. WINTON AVE. HAYWARD, CA 94545

REVISIONS

No.	Description	Date

TREE REMOVAL PLAN

PLANNING SPR RESUBMITTAL

Drawn By: DM Checked By: \_\_\_\_\_

Scale: \_\_\_\_\_

Date: FEBRUARY 1, 2018  
 Project No. 2016039

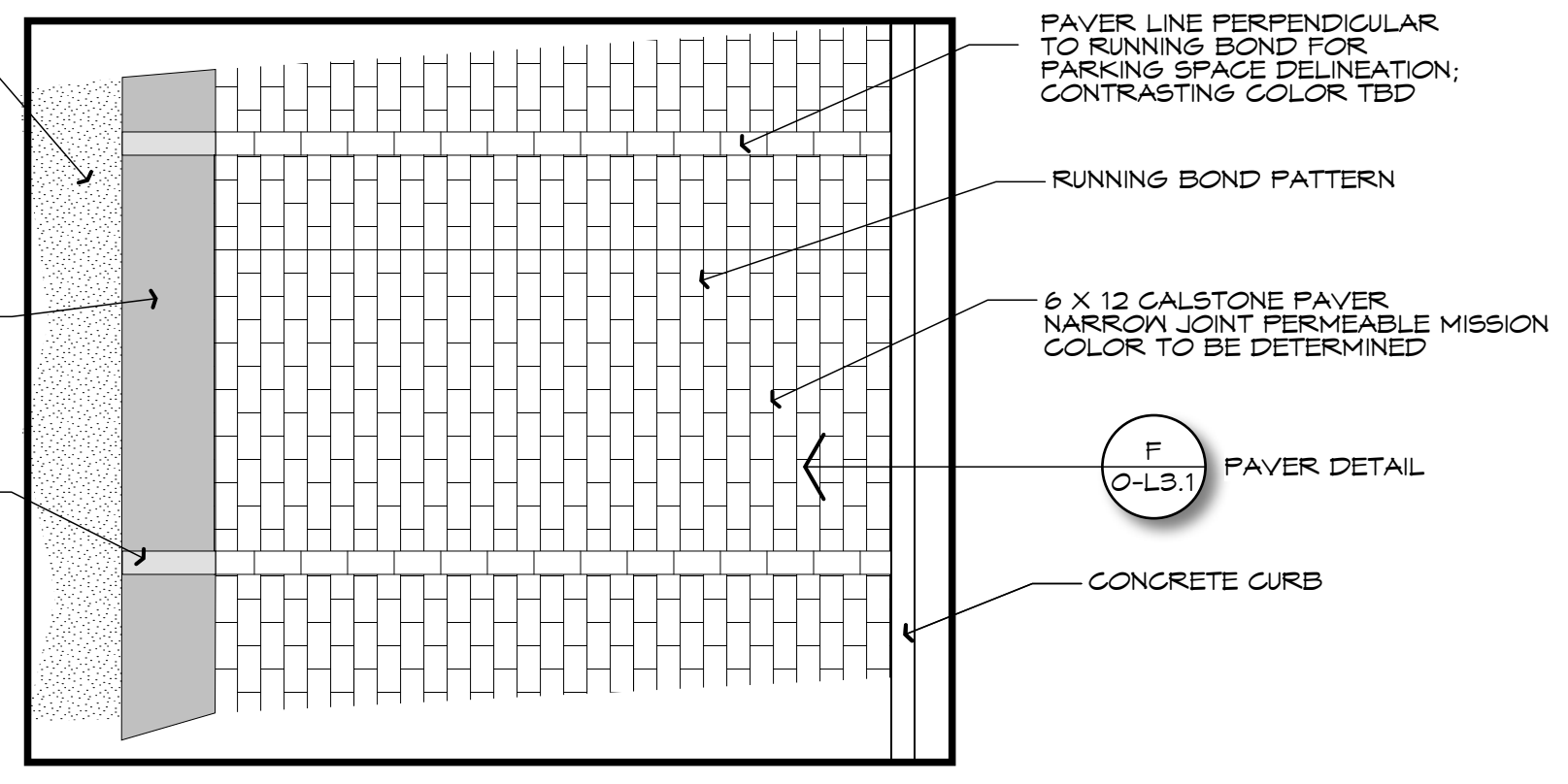
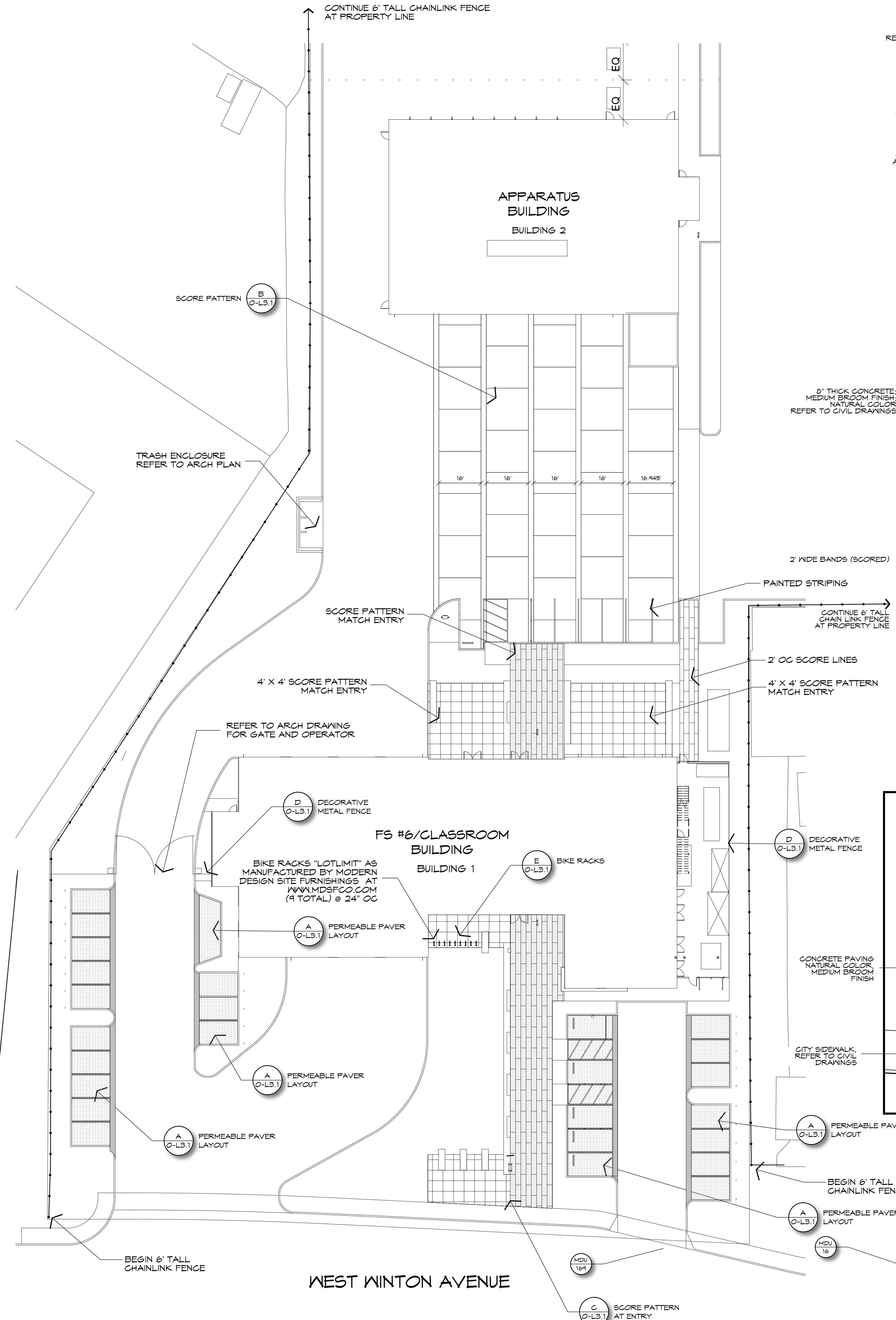
**TREE REMOVAL AND MITIGATION**

**O-L2.4**  
 Drawing No.

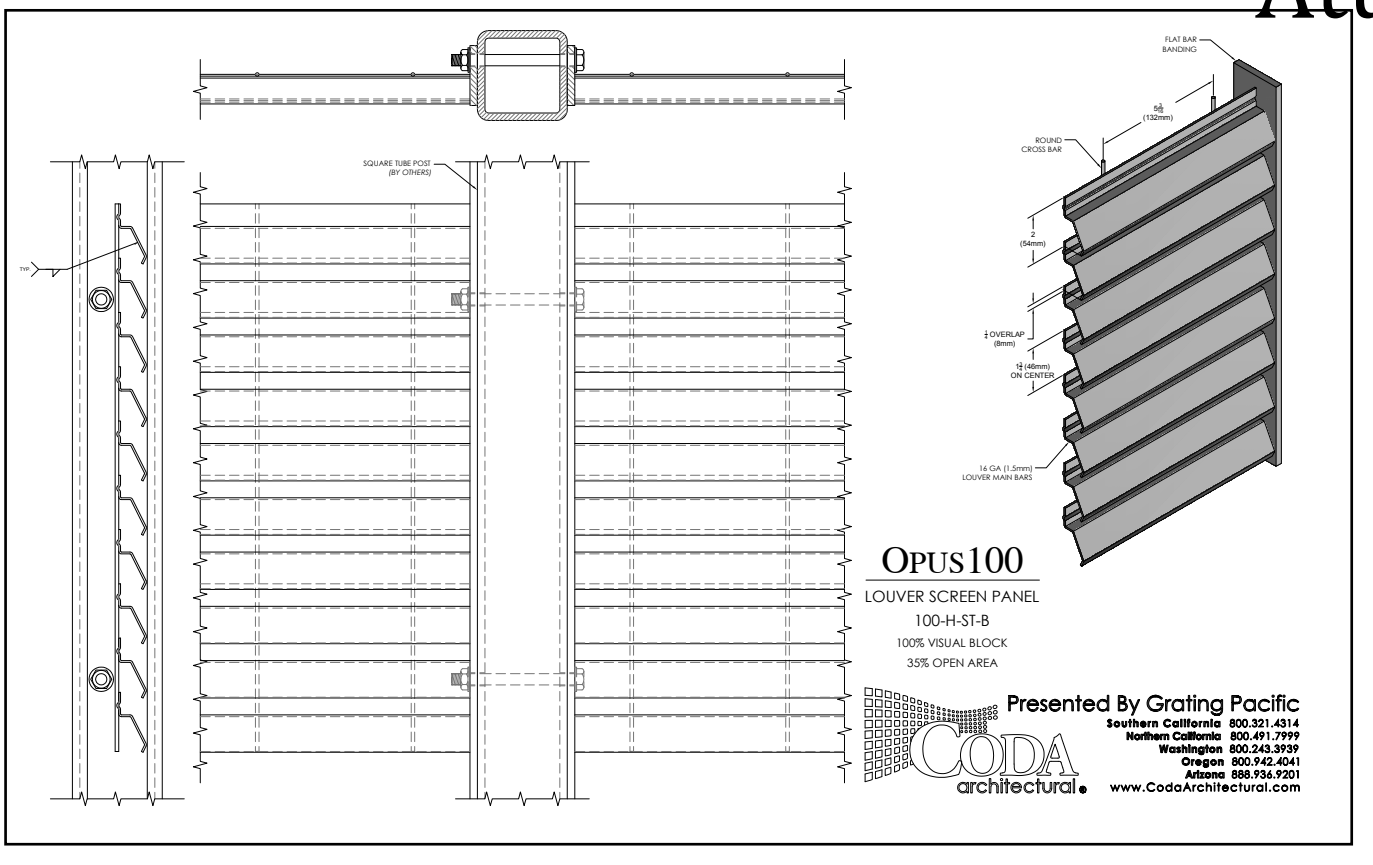
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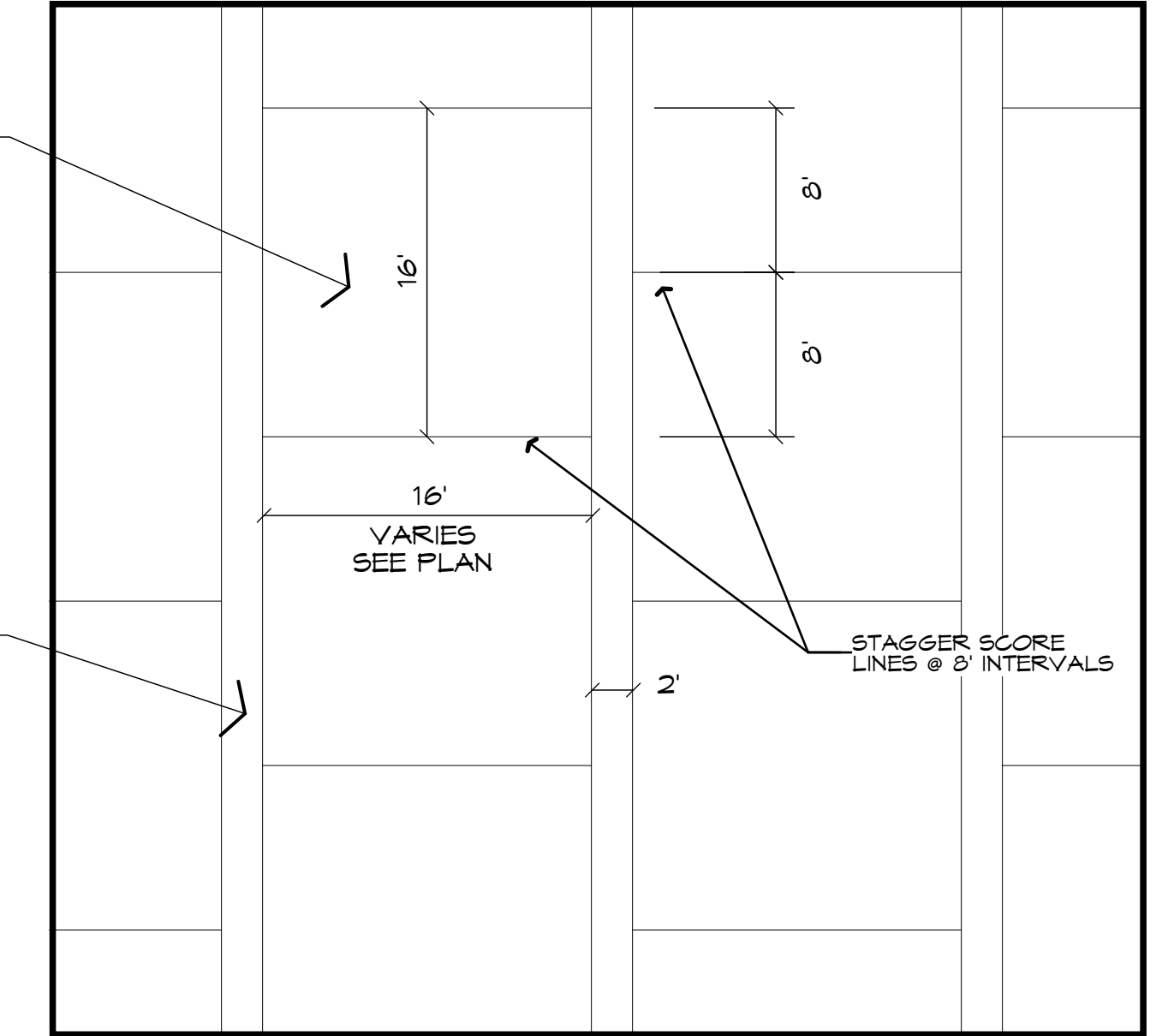
REVISIONS		
No.	Description	Date



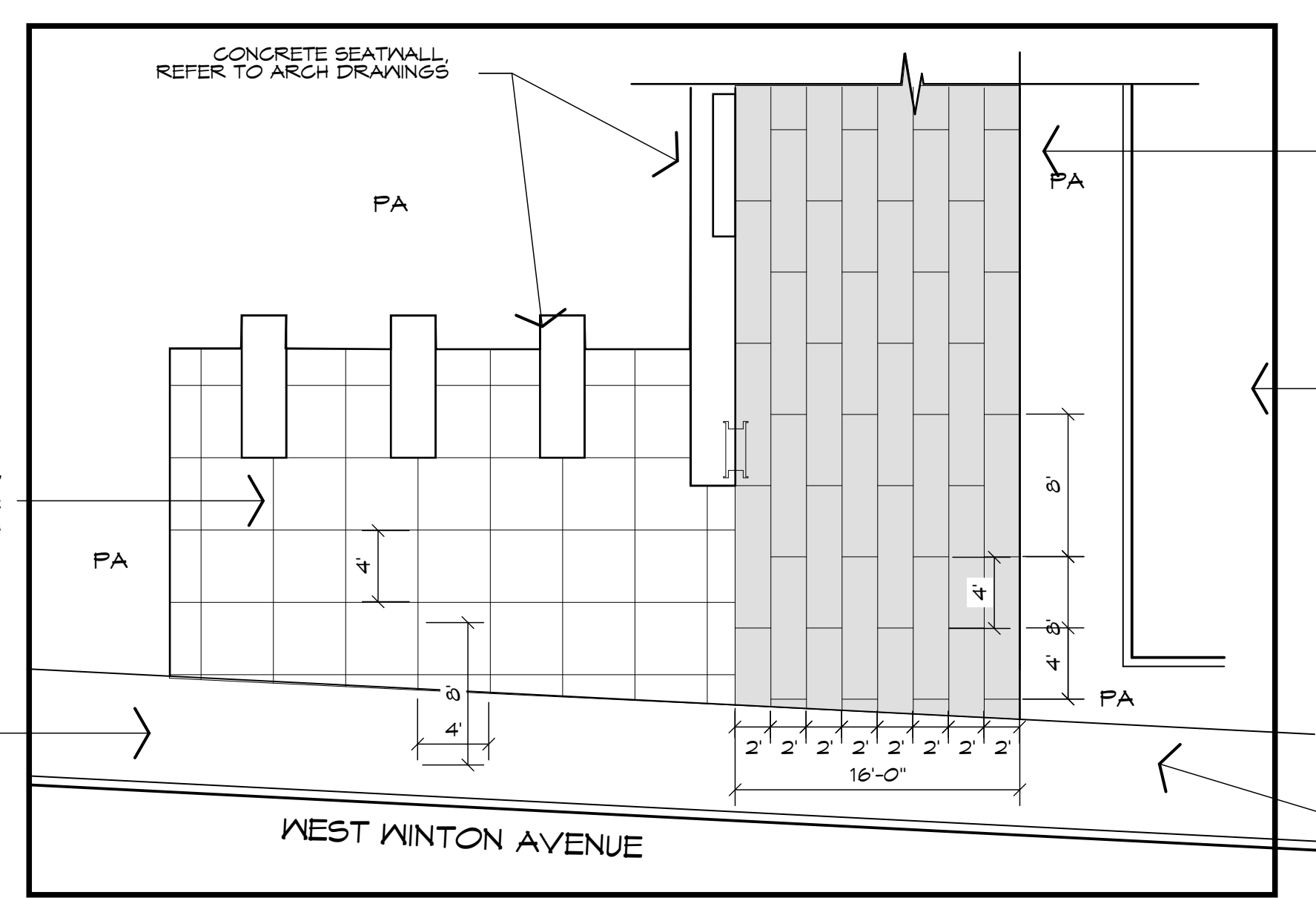
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(D) DECORATIVE METAL FENCE NTS



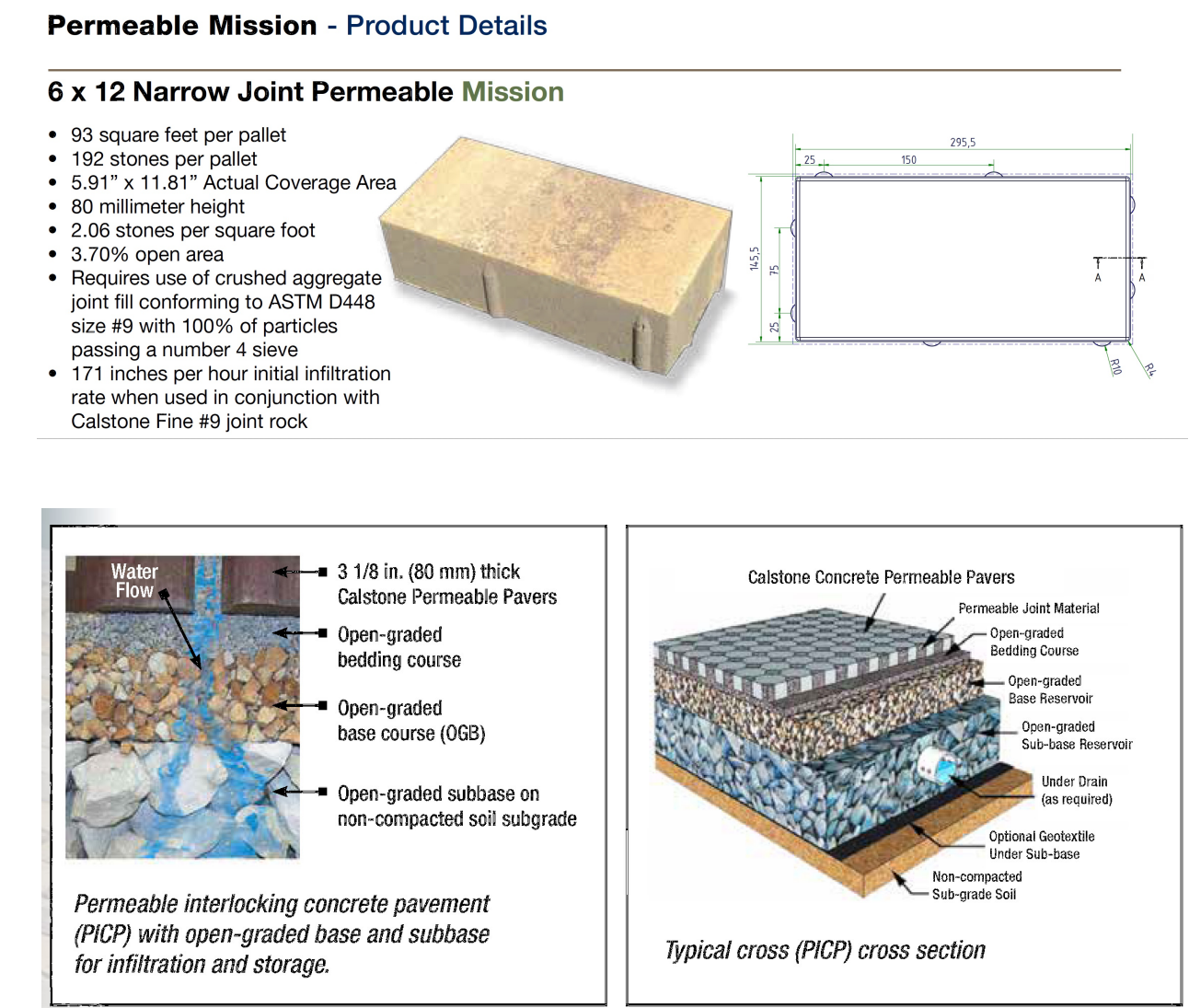
(B) TYPICAL SCORING DETAIL AT BUILDING 2 1/8" = 1'-0"



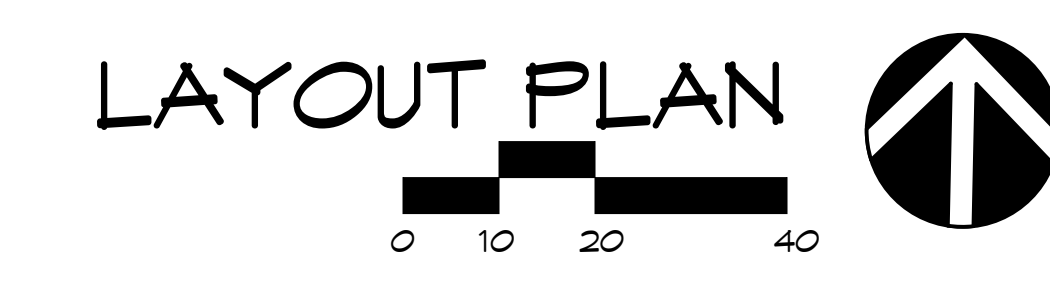
(C) TYPICAL SCORING DETAIL AT BUILDING 1 ENTRY 1/8" = 1'-0"



(E) BIKE RACKS NTS



(F) TYPICAL PERMEABLE PAVER LAYOUT 1/4" = 1'-0"





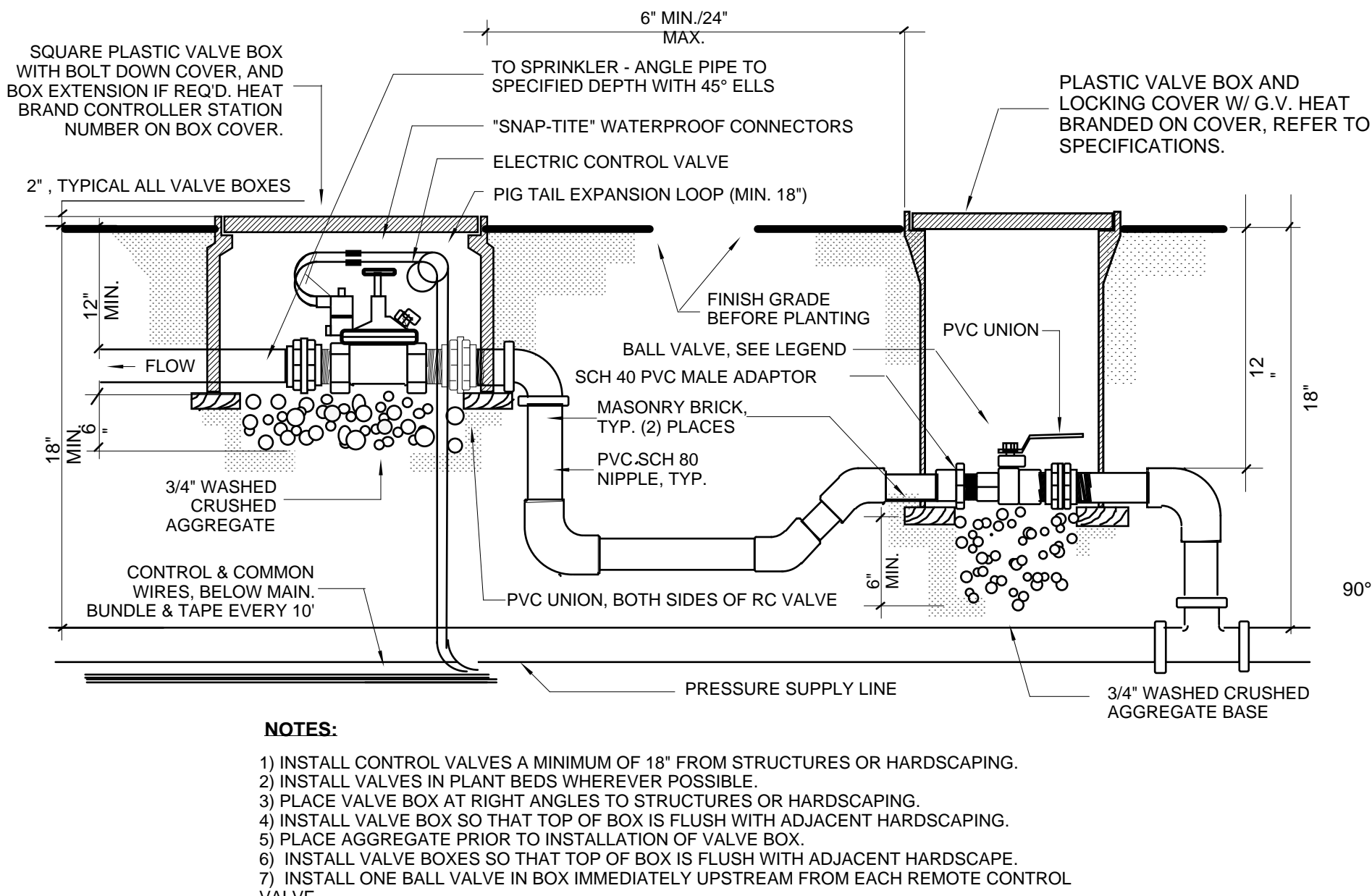


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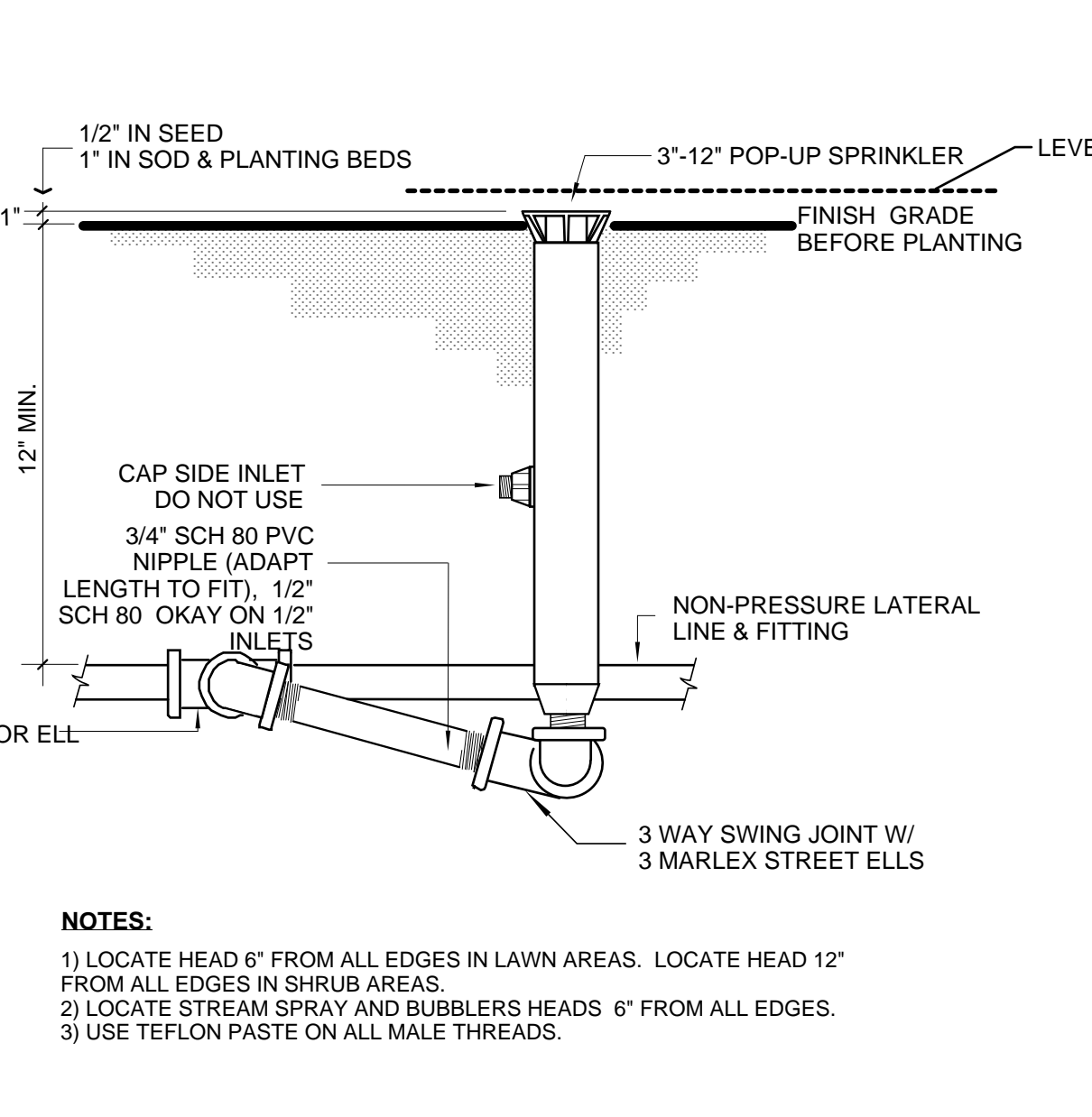
**HAYWARD FIRESTATION #6 & REGIONAL ARFF FIRE TRAINING CENTER**

1401 W. WINTON AVE. HAYWARD, CA 94545

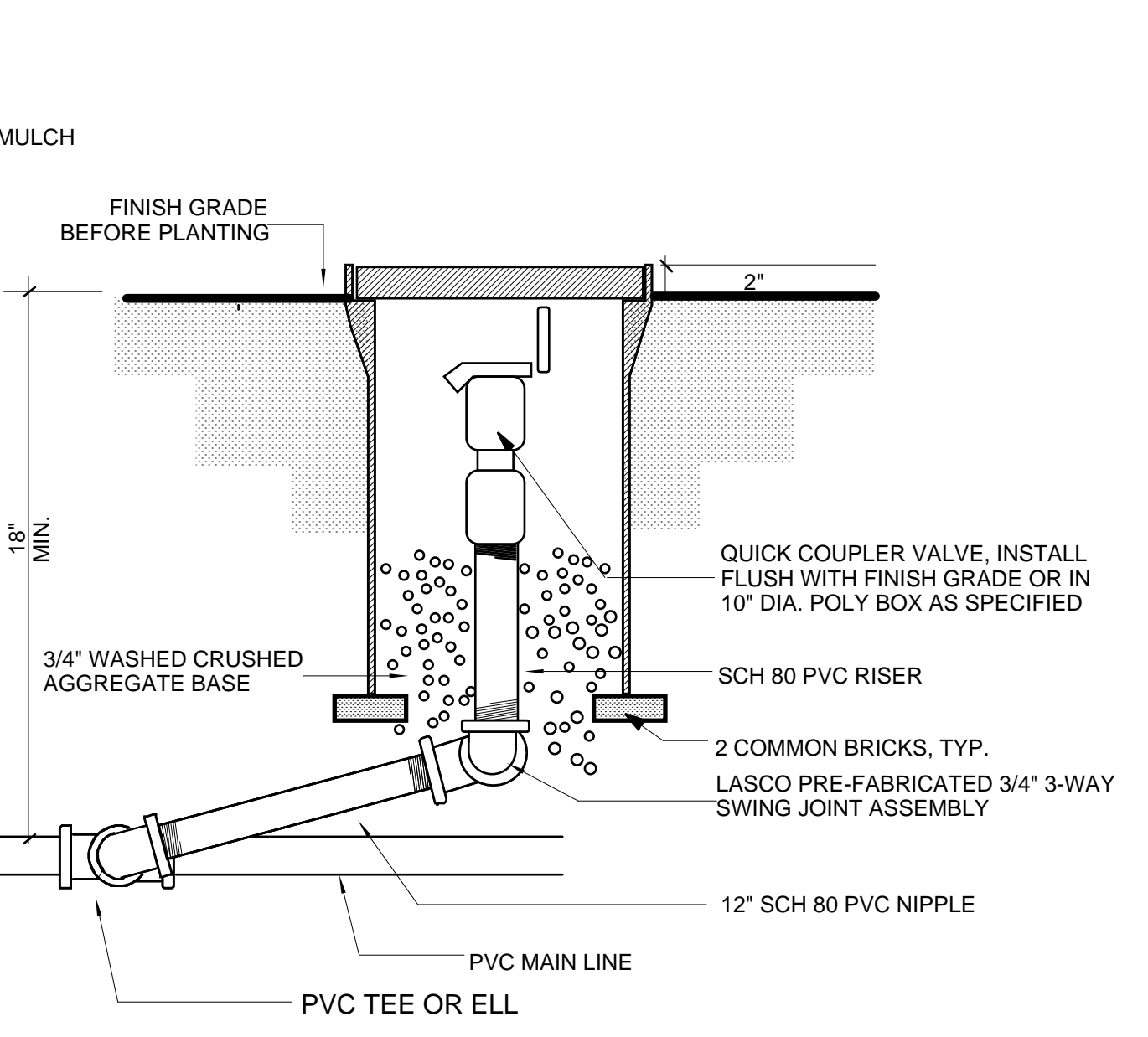
REVISIONS	
No.	Description



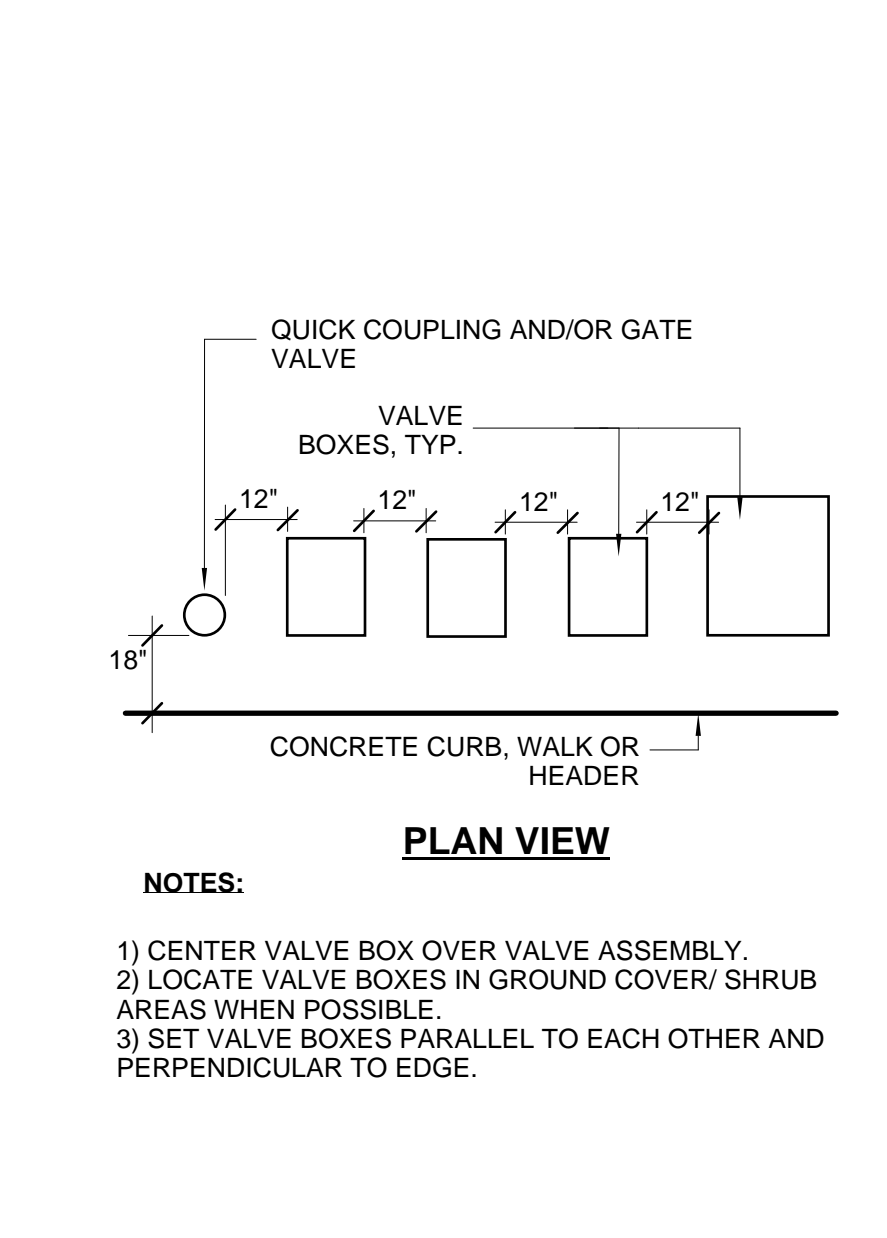
**A** ELECTRIC CONTROL VALVE WITH SHUT OFF  
NTS



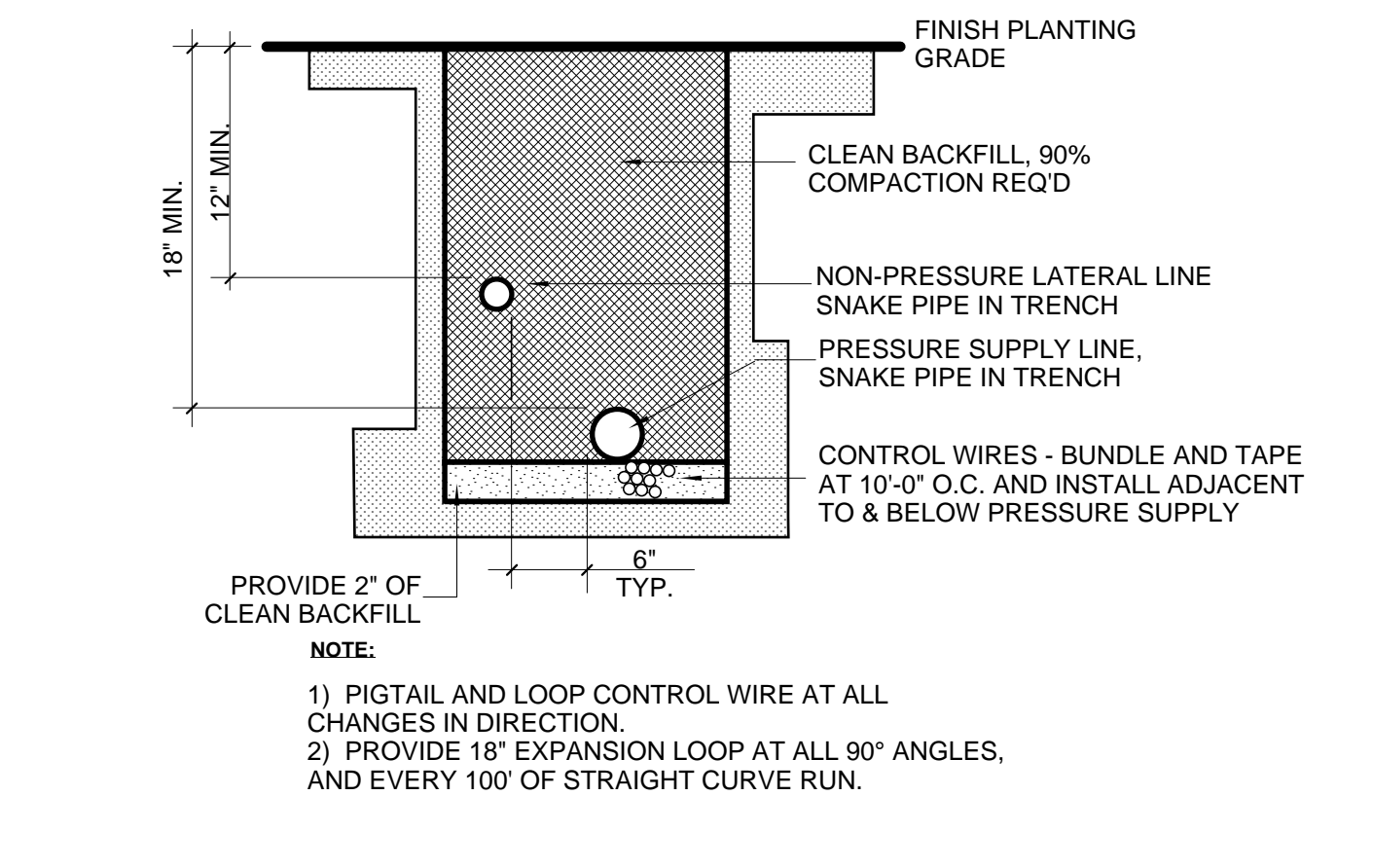
**B** POP-UP SPRINKLER DETAIL  
INCLUDES 4", 6" AND 12"  
NTS



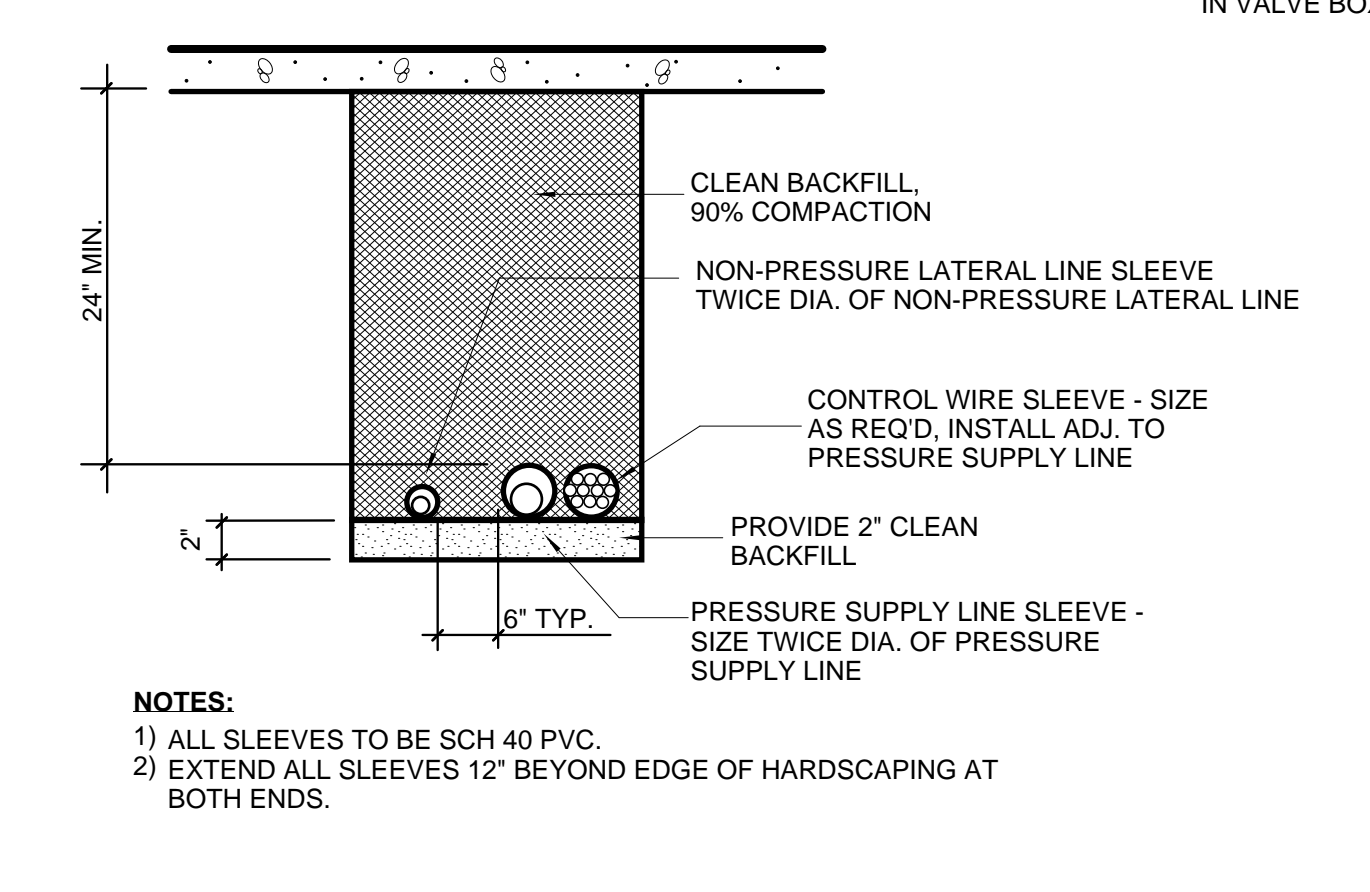
**C** QUICK COUPLER DETAIL  
NTS



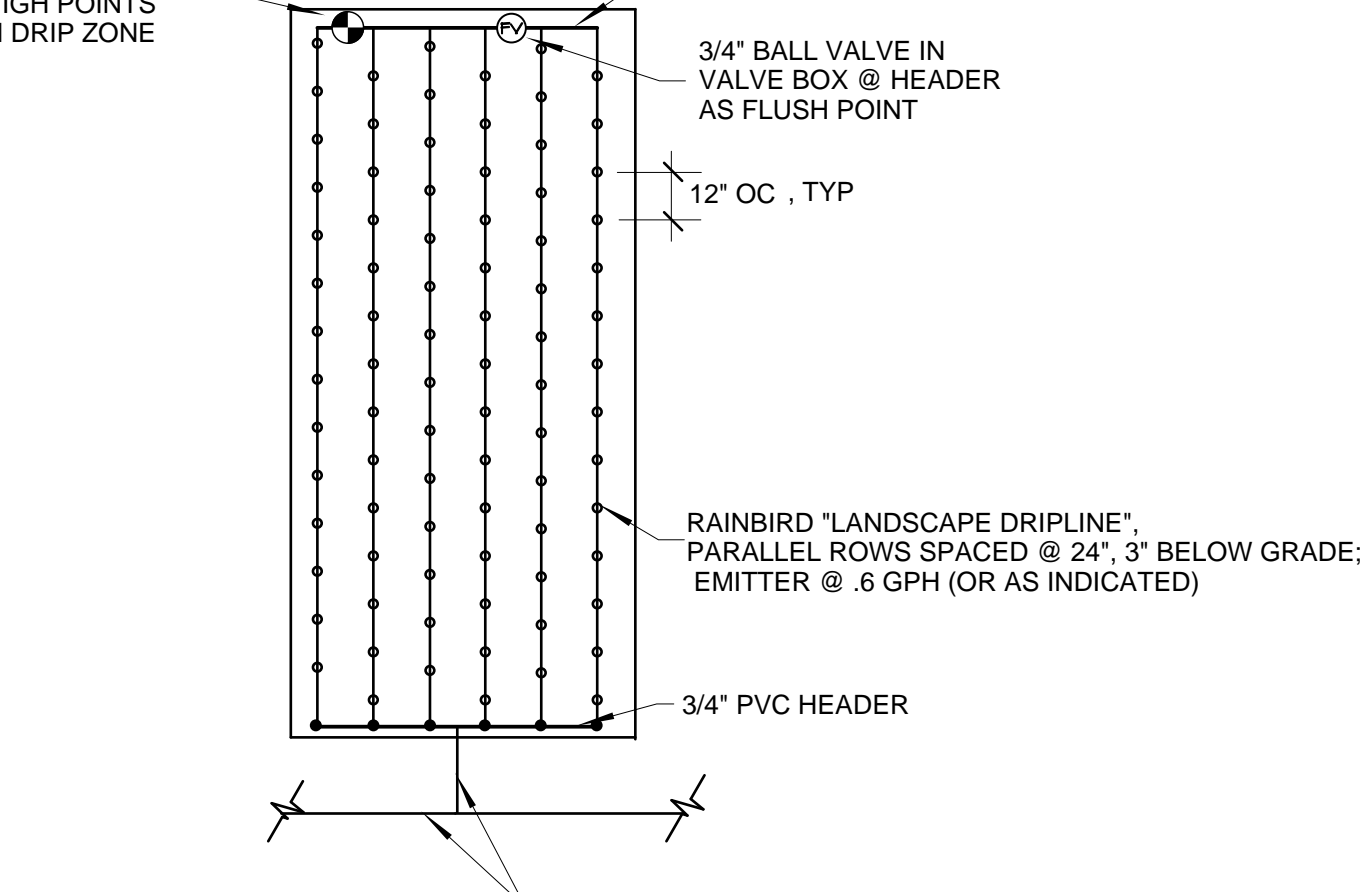
**D** VALVE BOX LAYOUT  
NTS



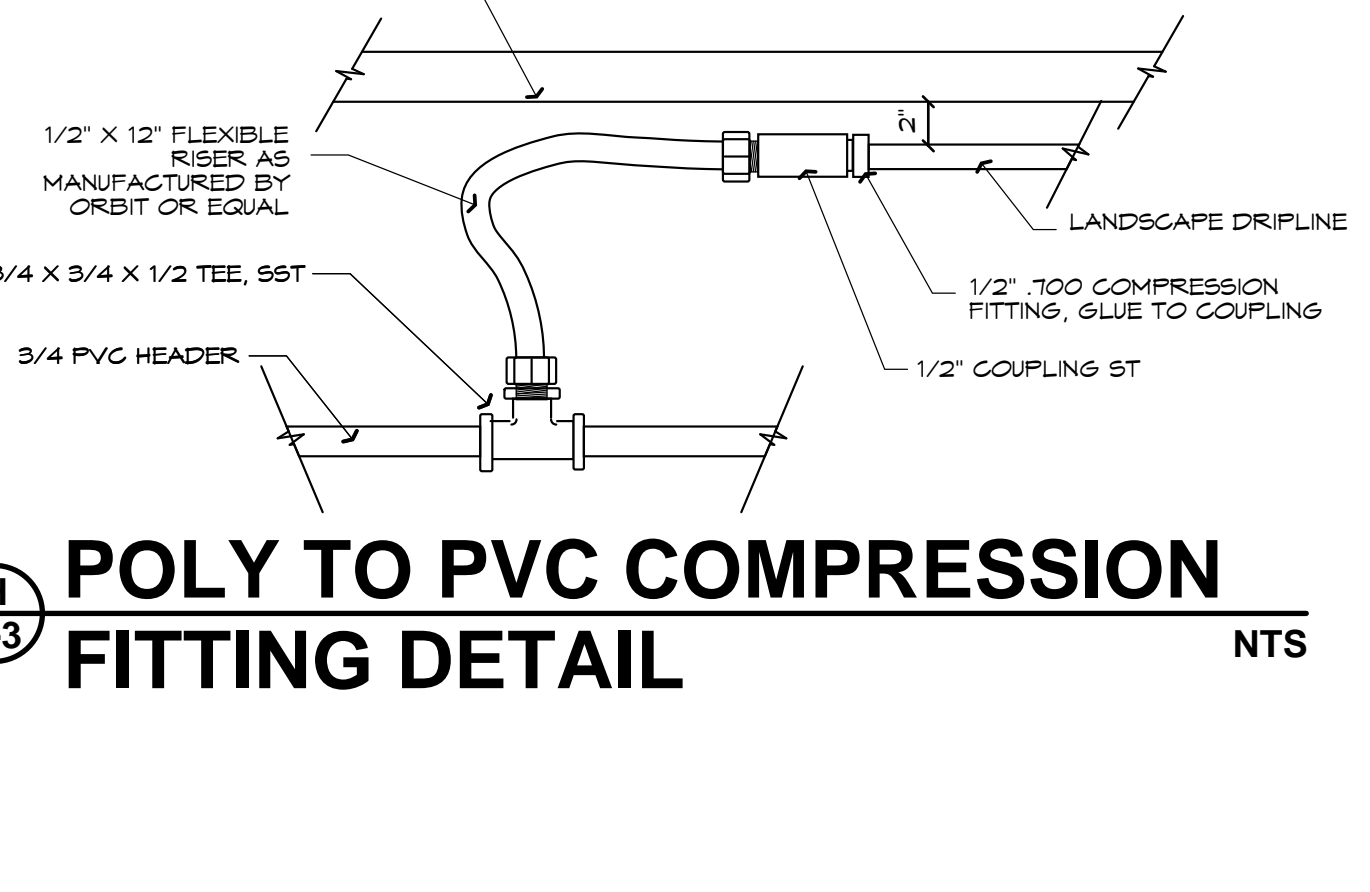
**E** PIPE INSTALLATION UNDER PLANTED AREA  
NTS



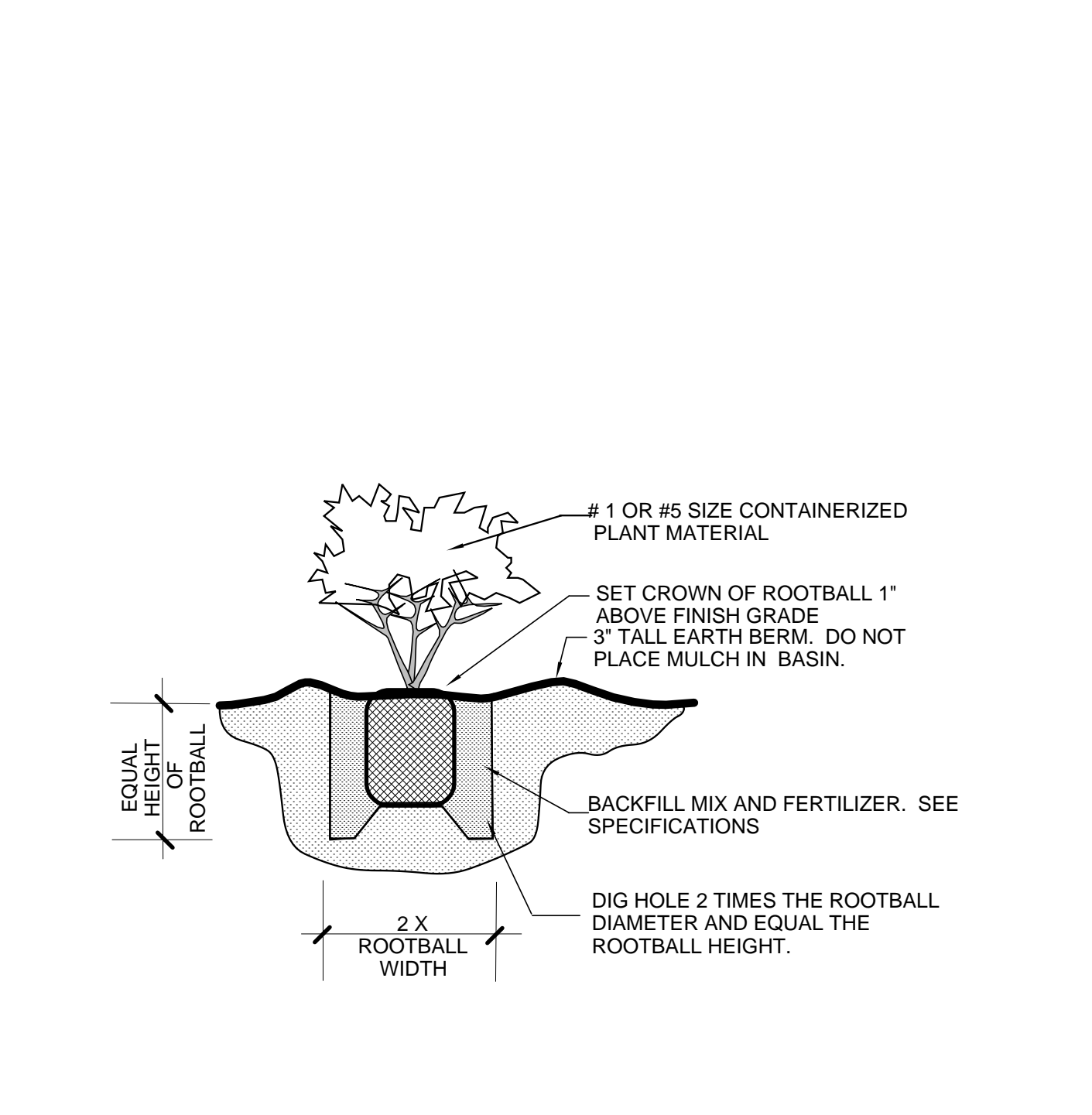
**F** PIPE INSTALLATION UNDER PAVING  
NTS



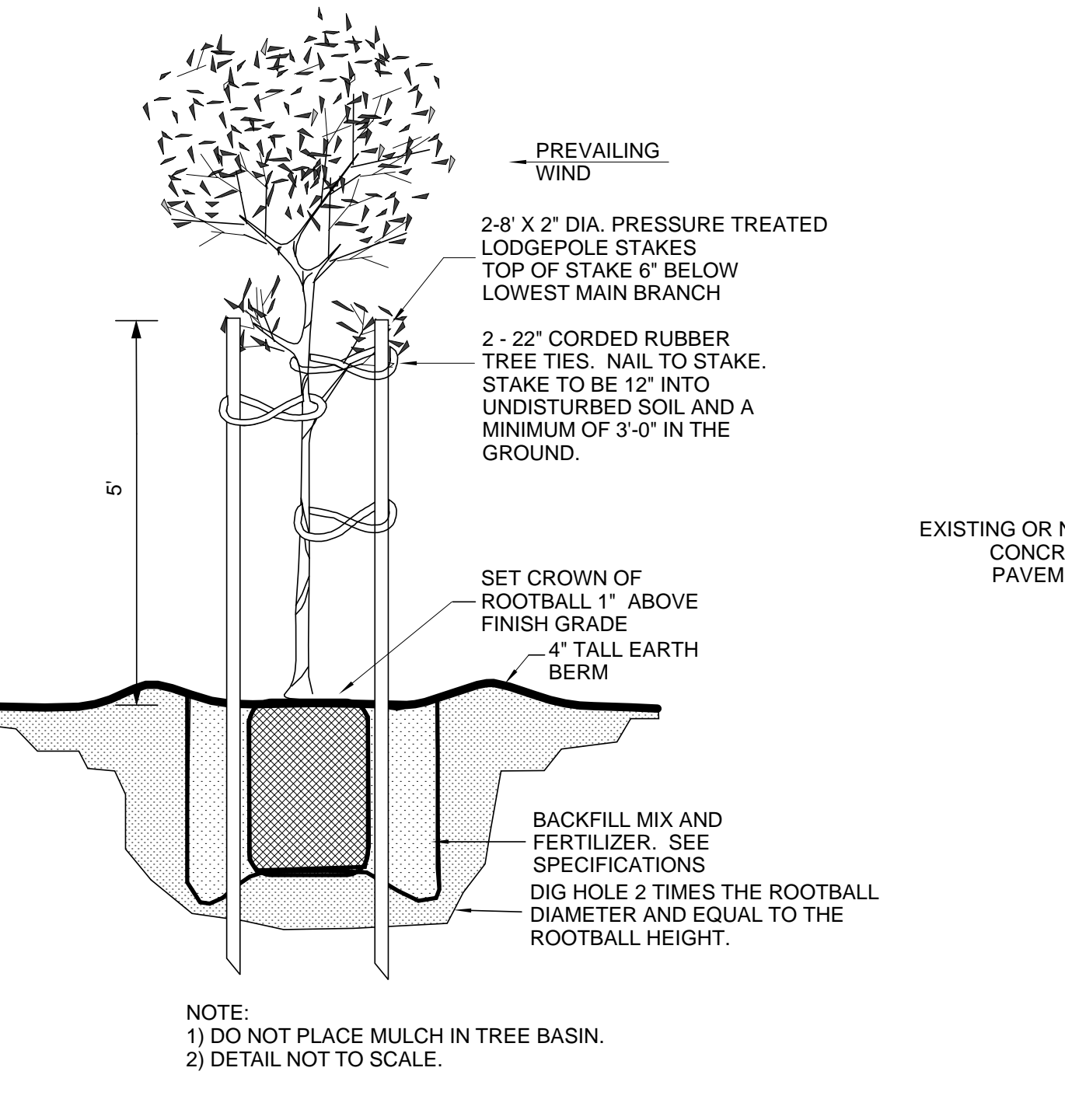
**G** DRIP CIRCUIT LAYOUT  
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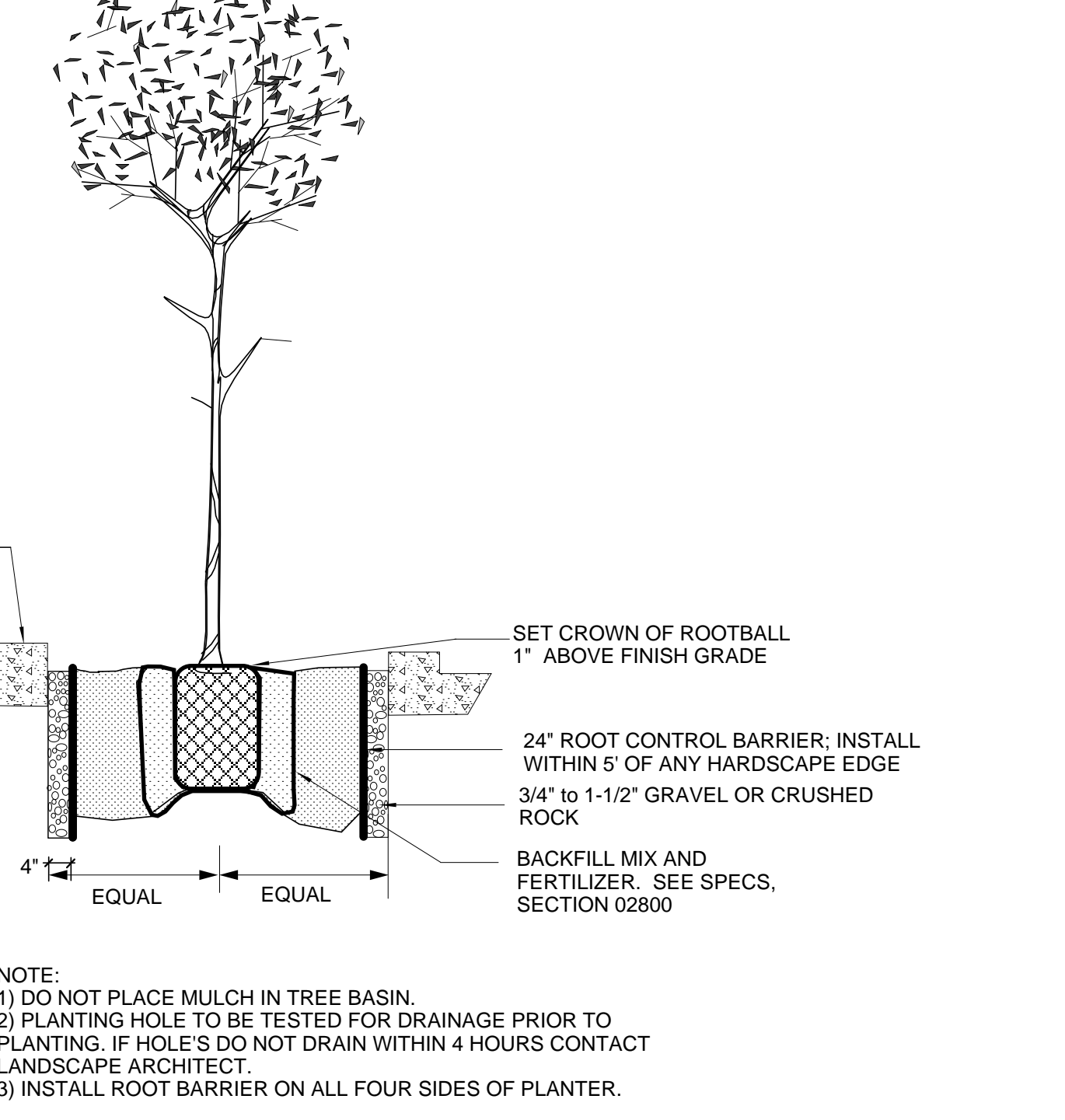
**H** POLY TO PVC COMPRESSION FITTING DETAIL  
NTS



**I** SHRUB PLANTING DETAIL  
NTS



**J** TREE PLANTING DETAIL  
NTS



**K** TREE WELL WITH ROOT BARRIER  
NTS

LANDSCAPE DETAILS

PLANNING SPR RESUBMITTAL

Drawn By: DM Checked By:

Scale:

Date:

FEBRUARY 1, 2018

Project No. 2016039

**O-L4**  
Drawing No.



GENERAL SHEET NOTES

Blank area for general sheet notes.

WALL LEGEND

Blank area for wall legend.

SHEET KEYNOTE LEGEND

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HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER

1401 WEST WINTON AVE. HAYWARD, CA 94545

REVISIONS

No.	Description	Date

PLANNING SPR RESUBMITTAL

BUILDING 1 FIRST LEVEL FLOOR PLAN

Drawn By: SF  
Checked By: EW

Scale:  
1/8" = 1'-0"

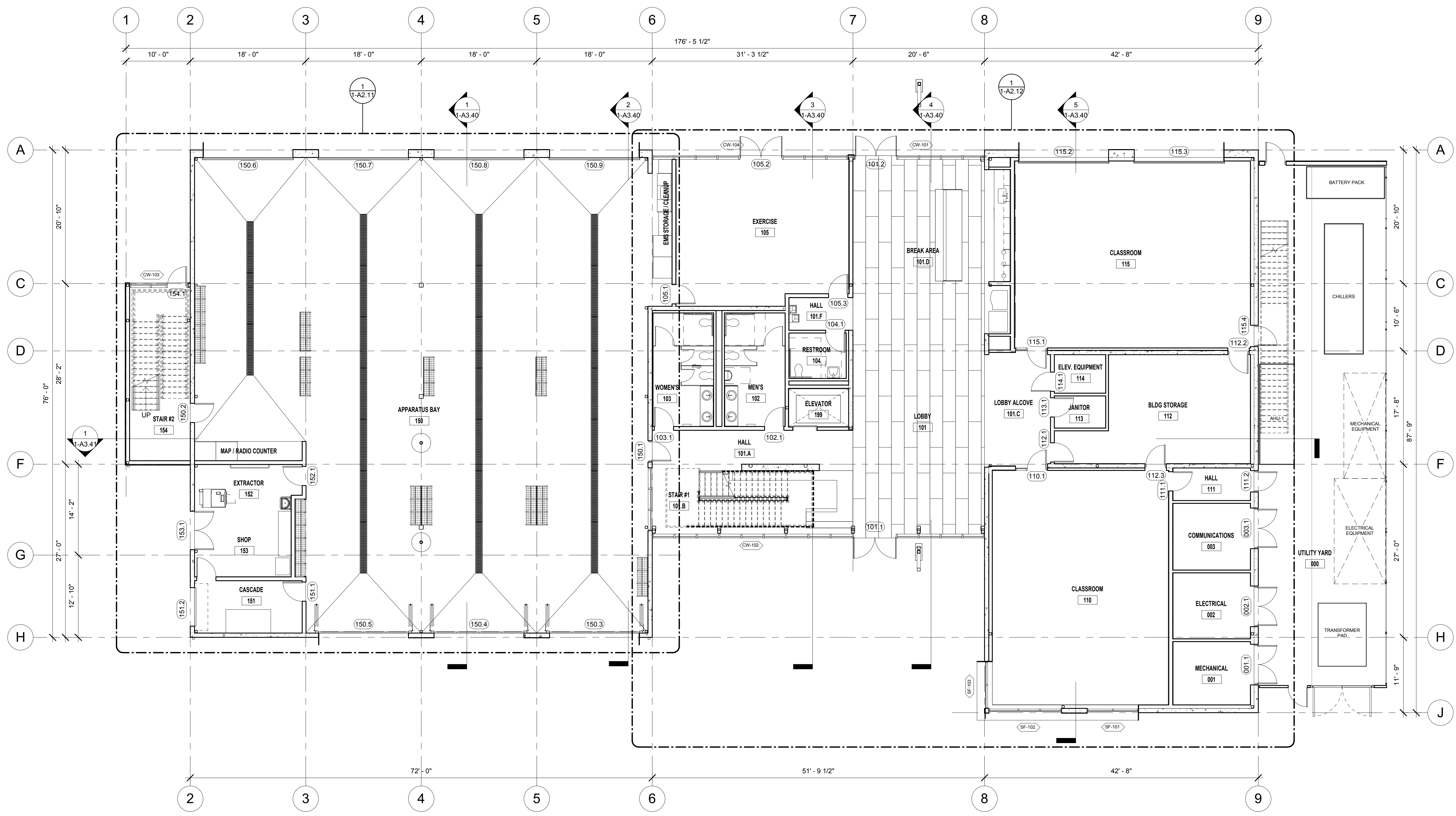
Date:  
February 1, 2018

Project No.: 2016039

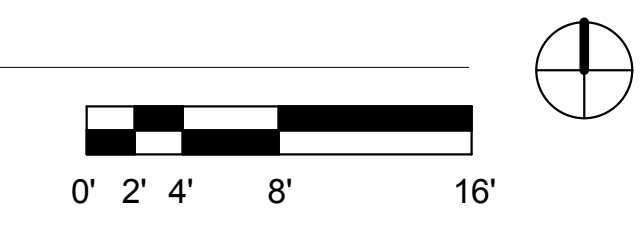
1-A2.10

Drawing No.

PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.



1 FIRST LEVEL FLOOR PLAN  
1/8" = 1'-0"



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GENERAL SHEET NOTES

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WALL LEGEND

Blank area for wall legend.

SHEET KEYNOTE LEGEND

Blank area for sheet keynote legend.

HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER

1401 WEST WINTON AVE. HAYWARD, CA 94545

REVISIONS

No.	Description	Date

PLANNING SPR RESUBMITTAL

BUILDING 1 SECOND LEVEL FLOOR PLAN

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Checked By: EW

Scale:  
1/8" = 1'-0"

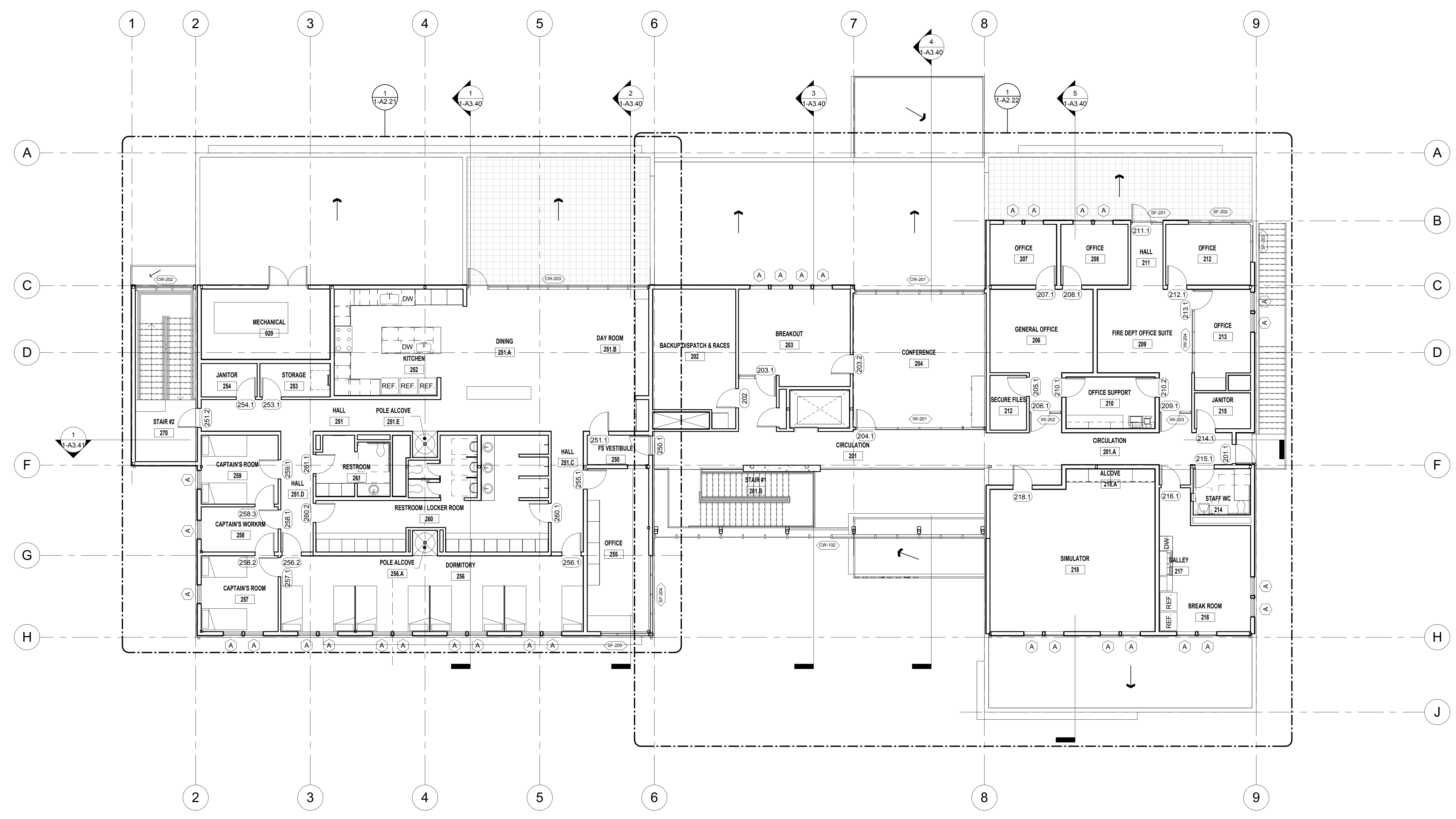
Date:  
February 1, 2018

Project No.: 2016039

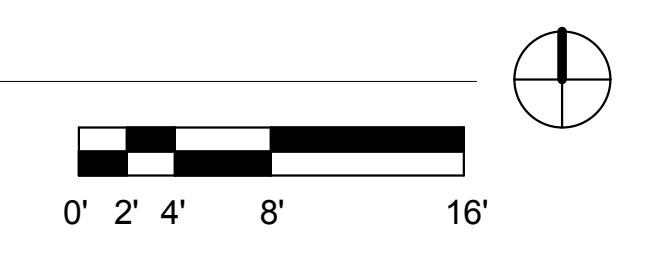
1-A2.20

Drawing No.

PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.



1 SECOND LEVEL FLOOR PLAN  
1/8" = 1'-0"



C:\Users\Sharon\OneDrive\Local Files\WPT 01 FS6 Classroom Bldg. Station2.rvt  
2/20/18 1:42:47 PM

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GENERAL SHEET NOTES

GENERAL SHEET NOTES

WALL LEGEND

WALL LEGEND

SHEET KEYNOTE LEGEND

No.	Description
03 30.05	CAST-IN-PLACE (CIP) CONCRETE EXTERIOR WALLS, TYPICAL
05 50.08	PAINTED STEEL STAIR WITH LANDINGS, GUARDS, & HANDRAILS
07 40.01	PRE-FINISHED STANDING SEAM METAL ROOF PANELS, TYPICAL
07 40.03	PRE-FINISHED METAL SOFFIT PANELS, TYPICAL
07 40.04	PRE-FINISHED METAL SIDING PANELS WITH VERTICAL PATTERN, TYPICAL
07 60.04	PAINTED ALUMINUM FASCIA TRIM
08 10.01	PAINTED HOLLOW METAL DOOR & FRAME
08 30.04	STEEL FRAME HORIZONTAL FOLDING DOOR WITH GLAZED PANELS, TYPICAL
08 40.03	ALUMINUM FRAME STOREFRONT SECTION WITH CLEAR GLAZING
08 40.04	ALUMINUM FRAME CURTAIN WALL SECTION WITH CLEAR GLAZING
08 50.04	ALUMINUM FRAME WINDOW WITH CLEAR GLAZING, TYPICAL. SEE WINDOW SCHEDULE
10 14.03	BUILDING IDENTIFICATION SIGN, SEE SIGNAGE DRAWINGS
26 30.01	ROOF-MOUNTED PHOTOVOLTAIC PANELS, TYPICAL, S.E.D.

**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**  
1401 WEST WINTON AVE. HAYWARD, CA 94545

REVISIONS

No.	Description	Date

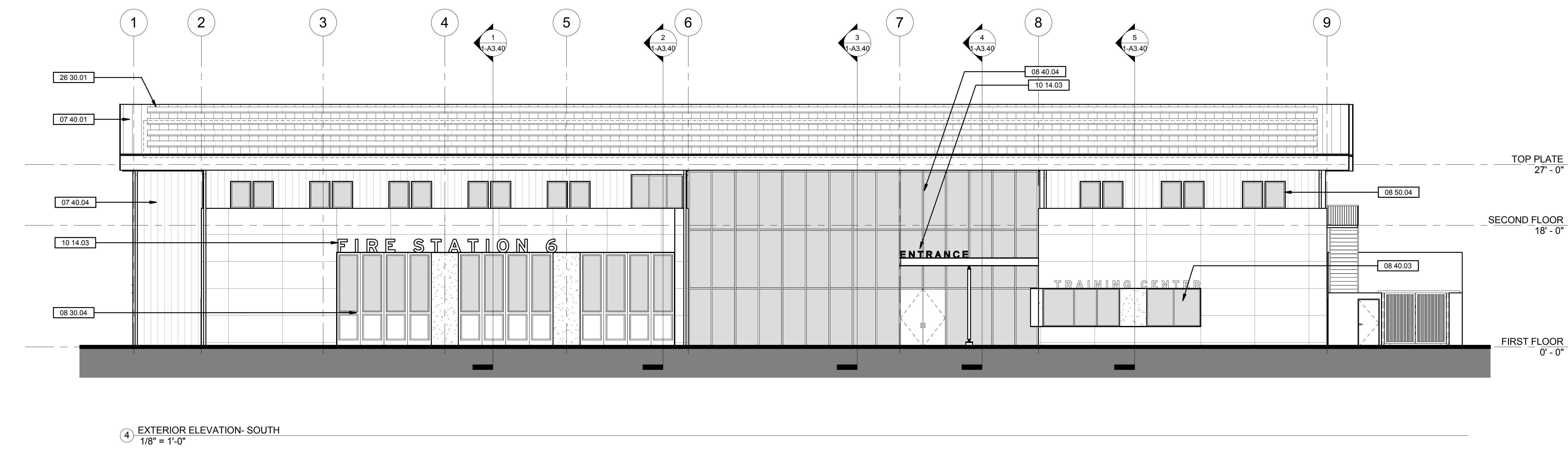
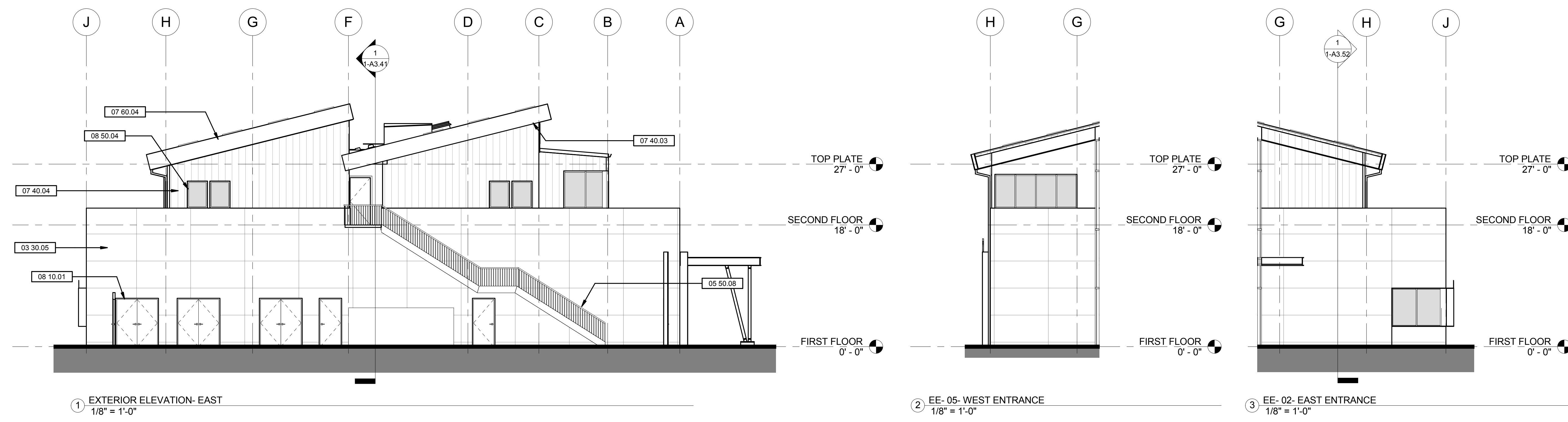
PLANNING SPR RESUBMITTAL

Sheet Title  
**BUILDING 1 EXTERIOR ELEVATIONS**

Drawn By: SF  
Checked By: EW  
Scale: 1/8" = 1'-0"  
Date: February 1, 2018  
Project No.: 2016039

**1-A3.10**  
Drawing No.

PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.



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**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**

1401 WEST WINTON AVE. HAYWARD, CA 94545

REVISIONS

No.	Description	Date

**PLANNING SPR RESUBMITTAL**

**BUILDING 1 EXTERIOR ELEVATIONS**

Drawn By: SF Checked By: EW

Scale: 1/8" = 1'-0"

Date: February 1, 2018

Project No. 2016039

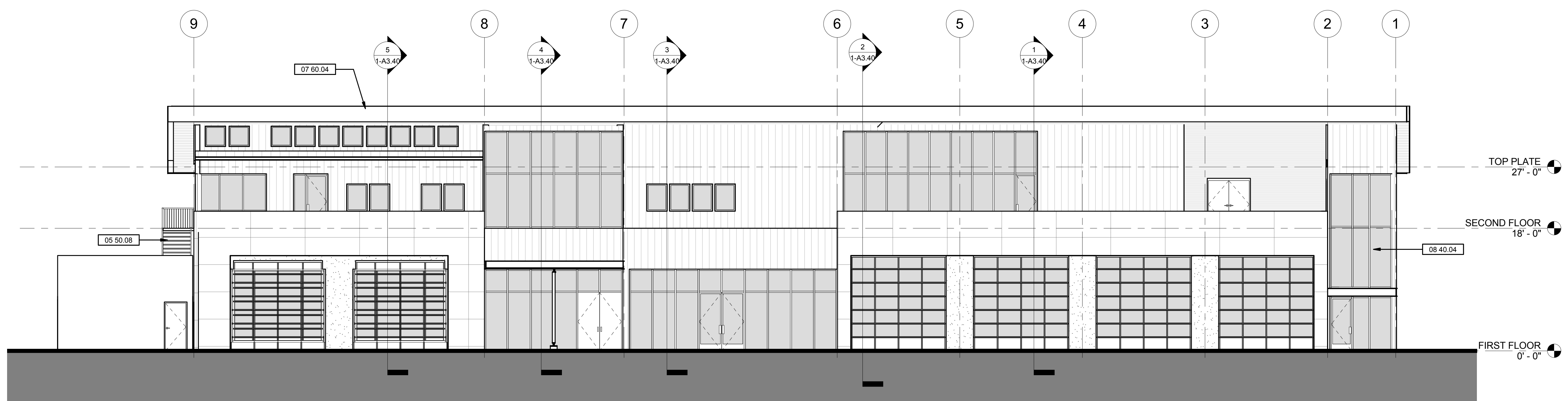
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Drawing No.

GENERAL SHEET NOTES

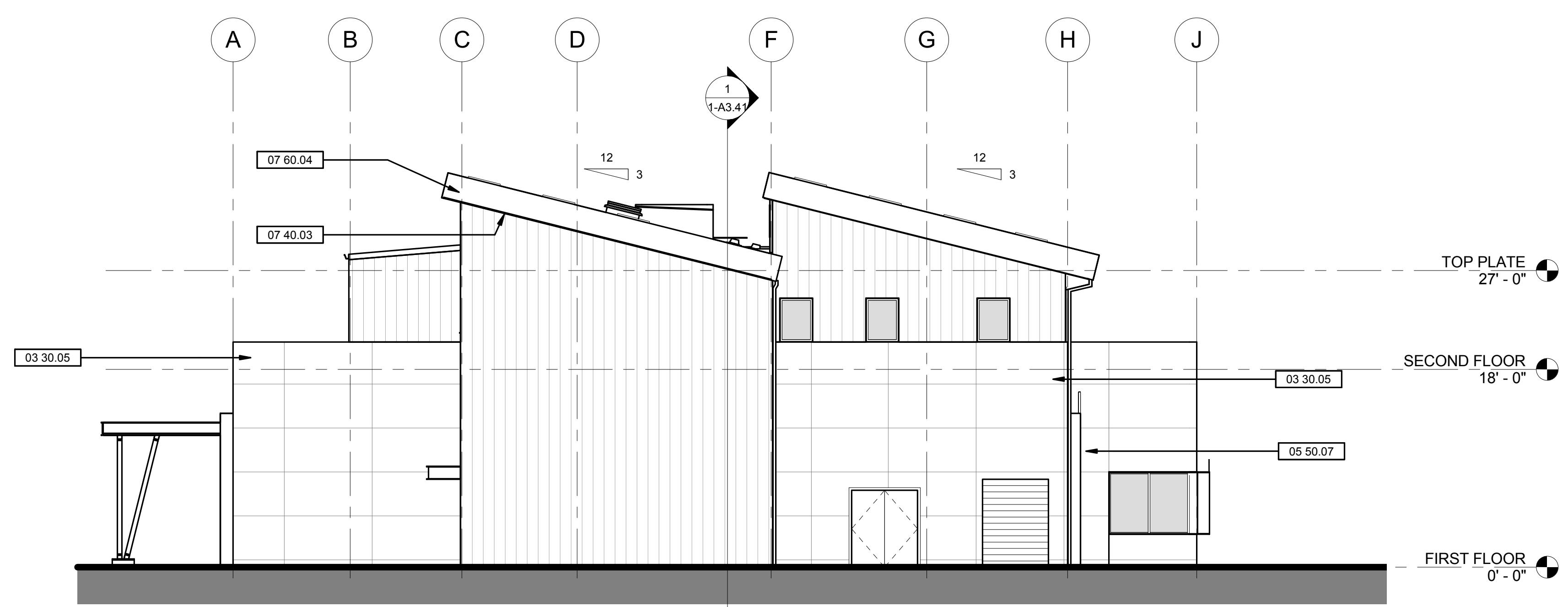
WALL LEGEND

SHEET KEYNOTE LEGEND

03 30 05	CAST-IN-PLACE (CIP) CONCRETE EXTERIOR WALLS, TYPICAL
05 50 07	PAINTED ALUMINUM PLATE "PORTAL" AT HEAD & JAMBS OF APPARATUS BAY DOOR GROUP
05 50 08	PAINTED STEEL STAIR WITH LANDINGS, GUARDS, & HANDRAILS
07 40 03	PRE-FINISHED METAL SOFFIT PANELS, TYPICAL
07 60 04	PAINTED ALUMINUM FASCIA TRIM
08 40 04	ALUMINUM FRAME CURTAIN WALL SECTION WITH CLEAR GLAZING



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



2 EXTERIOR ELEVATION- WEST  
1/8" = 1'-0"



**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**

1401 W. WINTON AVE.  
HAYWARD, CA 94545

REVISIONS		
No.	Description	Date

**PLANNING SPR RESUBMITTAL**

Sheet Title  
**BUILDING 2 FLOOR PLAN, CLEARSTORY FLOOR PLAN**

Drawn By: EW Checked By: EW

Scale:  
1/8" = 1'-0"

Date:  
February 1, 2018

Project No.: 2016039

**2-A2.10**  
Drawing No.

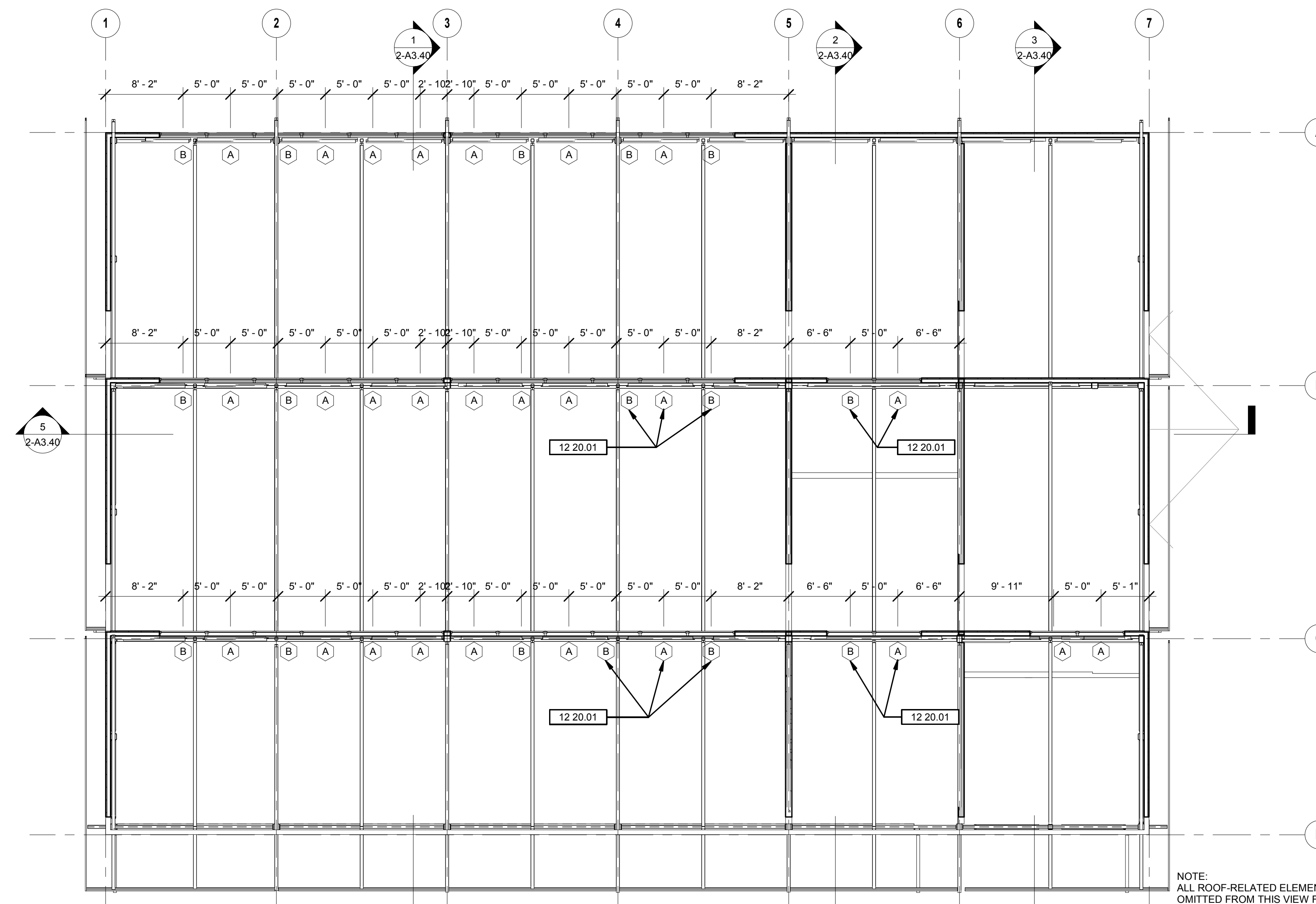
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GENERAL SHEET NOTES

WALL LEGEND

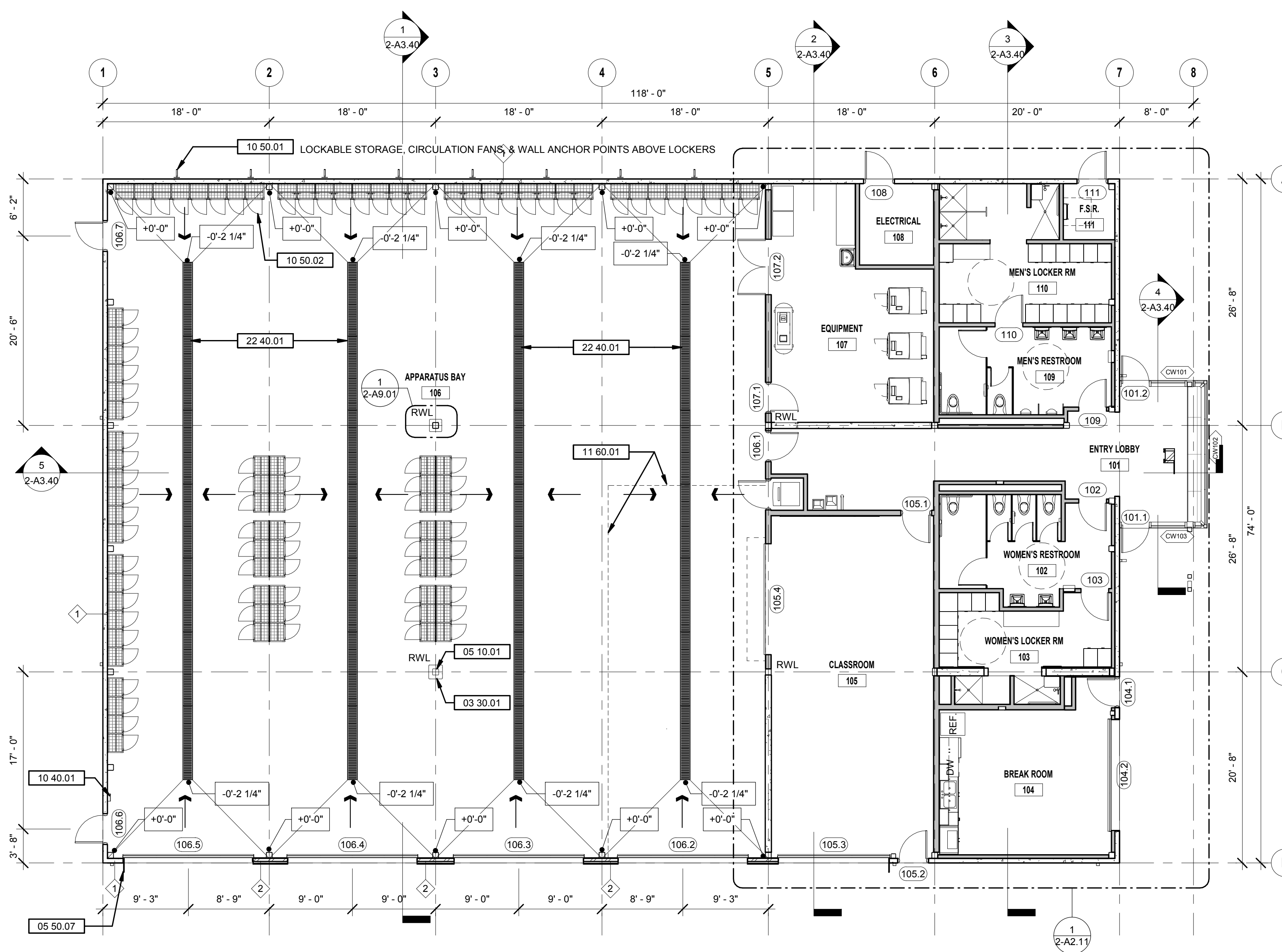
SHEET KEYNOTE LEGEND

03 30.01	PROTECTIVE CONCRETE CASING @ BASE OF STEEL COLUMN, TYPICAL U.N.C.
05 10.01	PAINTED STEEL COLUMN, S.S.D.
05 50.07	PAINTED ALUMINUM PLATE "PORTAL" AT HEAD & JAMBS OF APPARATUS BAY DOOR GROUP
10 40.01	SURFACE MOUNTED FIRE EXTINGUISHER CABINET
10 50.01	METAL LOCKERS
10 50.02	FULL HEIGHT PULL CURTAIN WITH TRACK
11 60.01	PROVIDE BLACK-OUT WINDOW SHADE WITH MOTORIZED OPERATOR
12 20.01	PREMANUFACTURED TRENCH DRAIN WITH GALVANIZED STEEL FRAME AND DUCTILE IRON GRATE, TYPICAL



2 CLEARSTORY FLOOR PLAN  
1/8" = 1'-0"

0' 2' 4' 8' 16'



1 FLOOR PLAN  
1/8" = 1'-0"

0' 2' 4' 8' 16'



GENERAL SHEET NOTES

GENERAL SHEET NOTES

WALL LEGEND

WALL LEGEND

SHEET KEYNOTE LEGEND

No.	Description
03 30.05	CAST-IN-PLACE (CIP) CONCRETE EXTERIOR WALLS, TYPICAL
05 50.07	PAINTED ALUMINUM PLATE "PORTAL" AT HEAD & JAMBS OF APPARATUS BAY DOOR GROUP
07 40.01	PRE-FINISHED STANDING SEAM METAL ROOF PANELS, TYPICAL
07 40.04	PRE-FINISHED METAL SIDING PANELS WITH VERTICAL PATTERN, TYPICAL
07 60.04	PAINTED ALUMINUM FASCIA TRIM
08 10.01	PAINTED HOLLOW METAL DOOR & FRAME
08 30.03	ALUMINUM FRAME OVERHEAD SECTIONAL DOOR WITH GLAZED PANELS, TYPICAL
08 40.02	ALUMINUM FRAME STOREFRONT SECTION WITH ENTRY DOOR AND CLEAR GLAZING
08 50.03	ALUMINUM FRAME CLEARSTORY WINDOW WITH CLEAR GLAZING, TYPICAL. SEE WINDOW SCHEDULE
10 50.01	METAL LOCKERS
26 30.01	ROOF-MOUNTED PHOTOVOLTAIC PANELS, TYPICAL, S.E.D.

HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER

1401 W. WINTON AVE.  
HAYWARD, CA 94545

REVISIONS		
No.	Description	Date

PLANNING SPR RESUBMITTAL

BUILDING 2 EXTERIOR ELEVATIONS

Drawn By: EW Checked By: EW

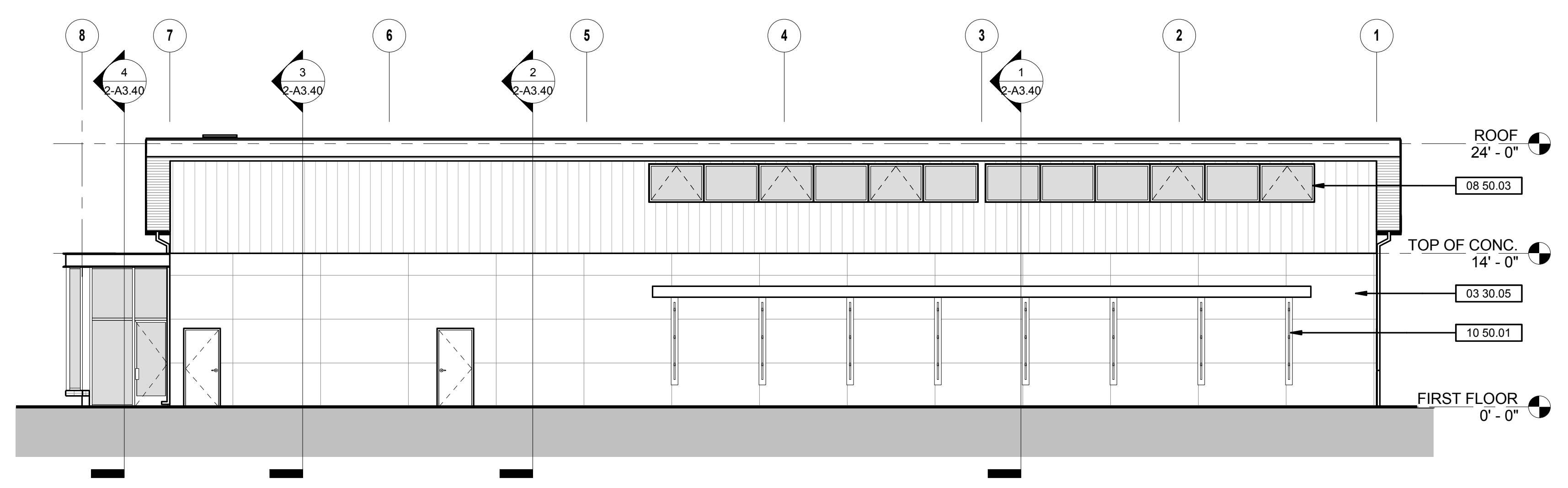
Scale: 1/8" = 1'-0"

Date: February 1, 2018

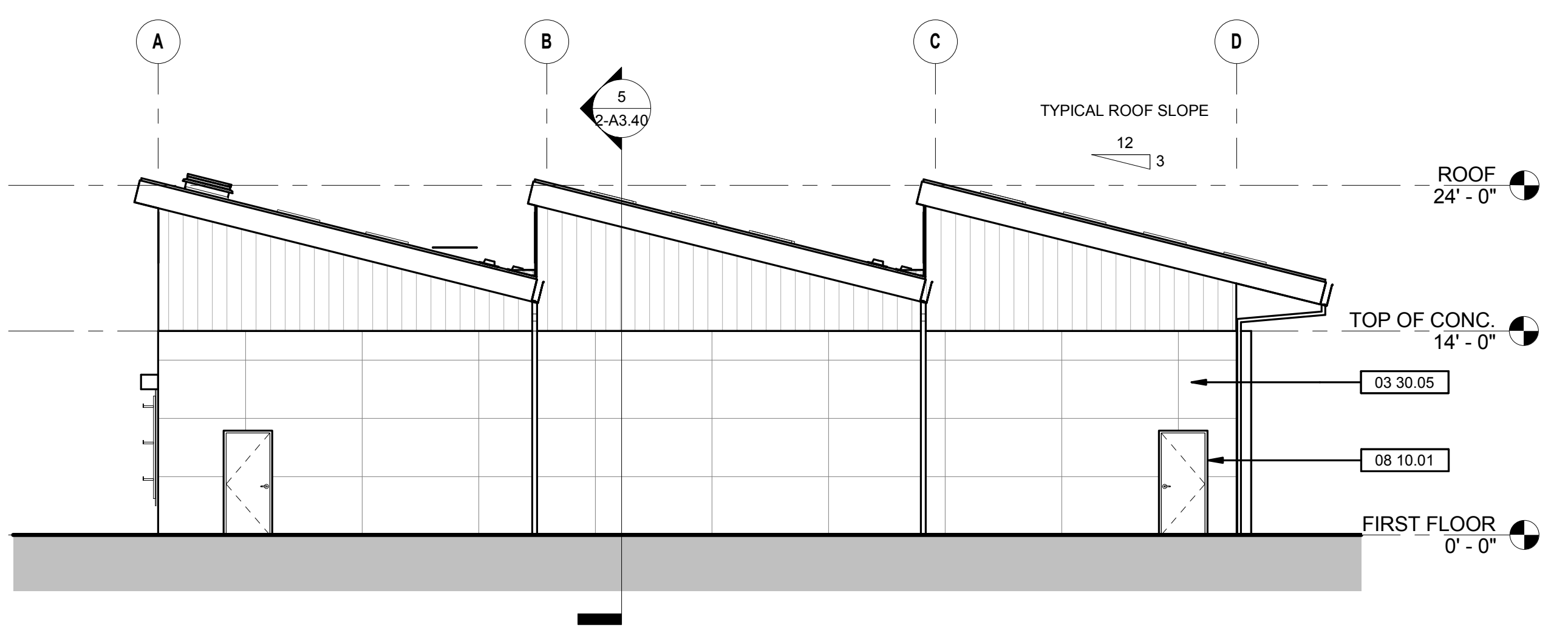
Project No. 2016039

2-A3.10 Drawing No.

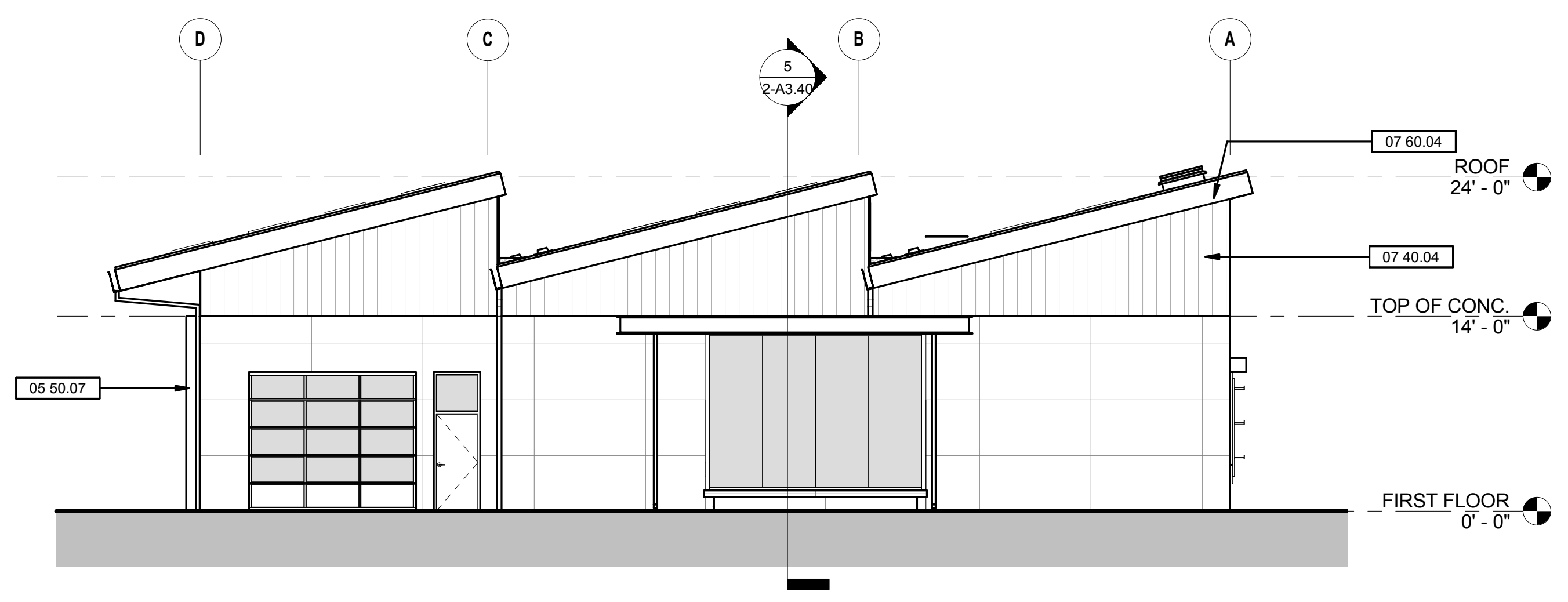
PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.



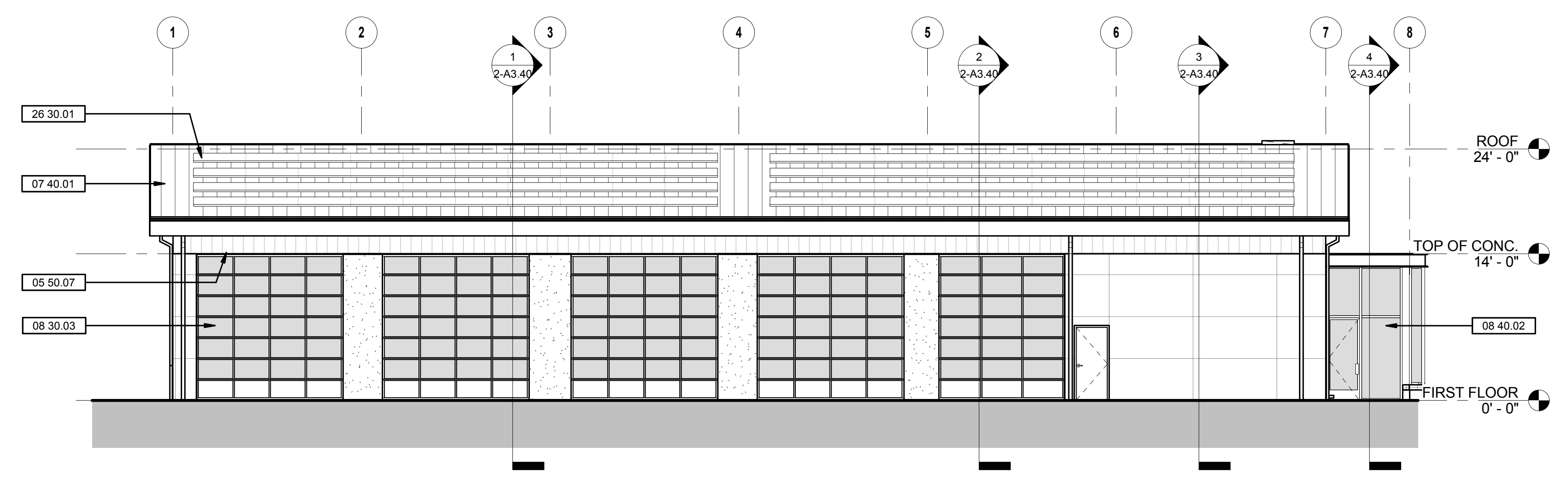
1 NORTH ELEVATION  
1/8" = 1'-0"



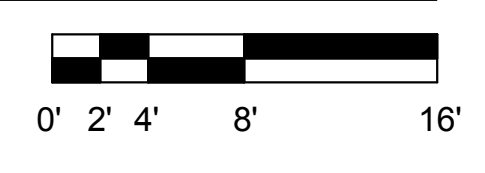
2 WEST ELEVATION  
1/8" = 1'-0"



3 EAST ELEVATION  
1/8" = 1'-0"



4 SOUTH ELEVATION  
1/8" = 1'-0"



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GENERAL SHEET NOTES

WALL LEGEND

SHEET KEYNOTE LEGEND

03 30.01	PROTECTIVE CONCRETE CASING @ BASE OF STEEL COLUMN, TYPICAL U.N.O.
03 30.03	CONCRETE MAT SLAB, S.S.D.
05 10.01	PAINTED STEEL COLUMN, S.S.D.
07 60.01	PAINTED ALUMINUM DOWNSPOUT FROM GUTTER ABOVE, SECURED TO STEEL COLUMN
22 40.03	AREA DRAIN WITH GRATE FLUSH TO SLAB SURFACE, S.P.D.

**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**

1401 W. WINTON AVE.  
HAYWARD, CA 94545

REVISIONS

No.	Description	Date

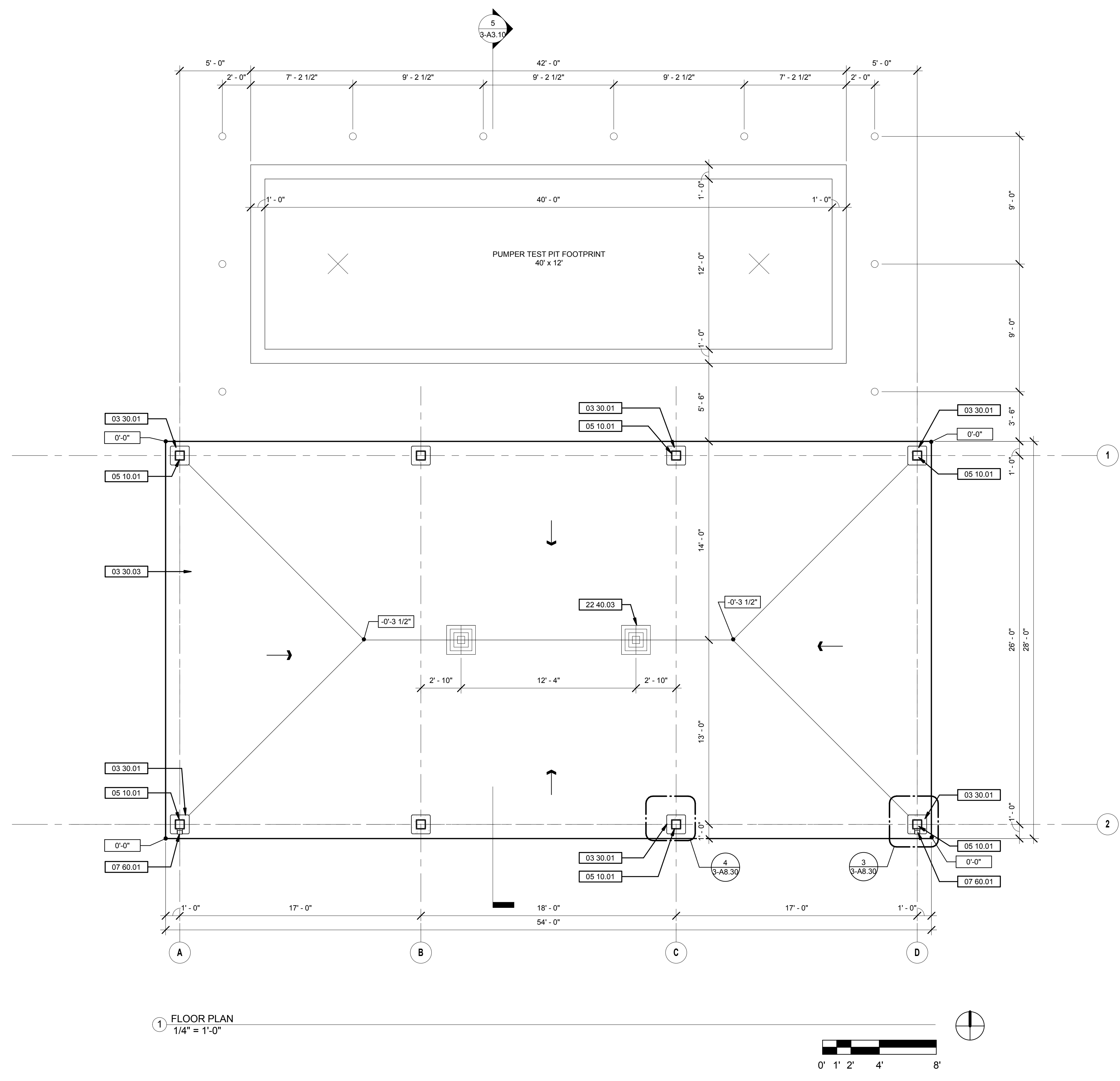
**PLANNING SPR RESUBMITTAL**

Sheet Title  
**BUILDING 3 FLOOR PLAN**

Drawn By SF  
Checked By EW  
Scale:  
1/4" = 1'-0"  
Date:  
February 1, 2018  
Project No. 2016039

**3-A2.10**  
Drawing No.

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1 FLOOR PLAN  
1/4" = 1'-0"



GENERAL SHEET NOTES

WALL LEGEND

SHEET KEYNOTE LEGEND

03 30.01	PROTECTIVE CONCRETE CASING @ BASE OF STEEL COLUMN, TYPICAL U.N.O.
05 10.01	PAINTED STEEL COLUMN, S.S.D.
05 10.02	PAINTED STEEL BEAM, S.S.D.
05 10.03	PAINTED STEEL CROSS BRACING & CONNECTION PLATES, S.S.D.
07 40.01	PRE-FINISHED STANDING SEAM METAL ROOF PANELS, TYPICAL
07 60.01	PAINTED ALUMINUM DOWNSPOUT FROM GUTTER ABOVE, SECURED TO STEEL COLUMN
26 30.01	ROOF-MOUNTED PHOTOVOLTAIC PANELS, TYPICAL, S.E.D.
32 90.01	LANDSCAPE AREA, SEE CIVIL AND LANDSCAPE DRAWINGS

**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**  
1401 W. WINTON AVE.  
HAYWARD, CA 94545

REVISIONS

No.	Description	Date

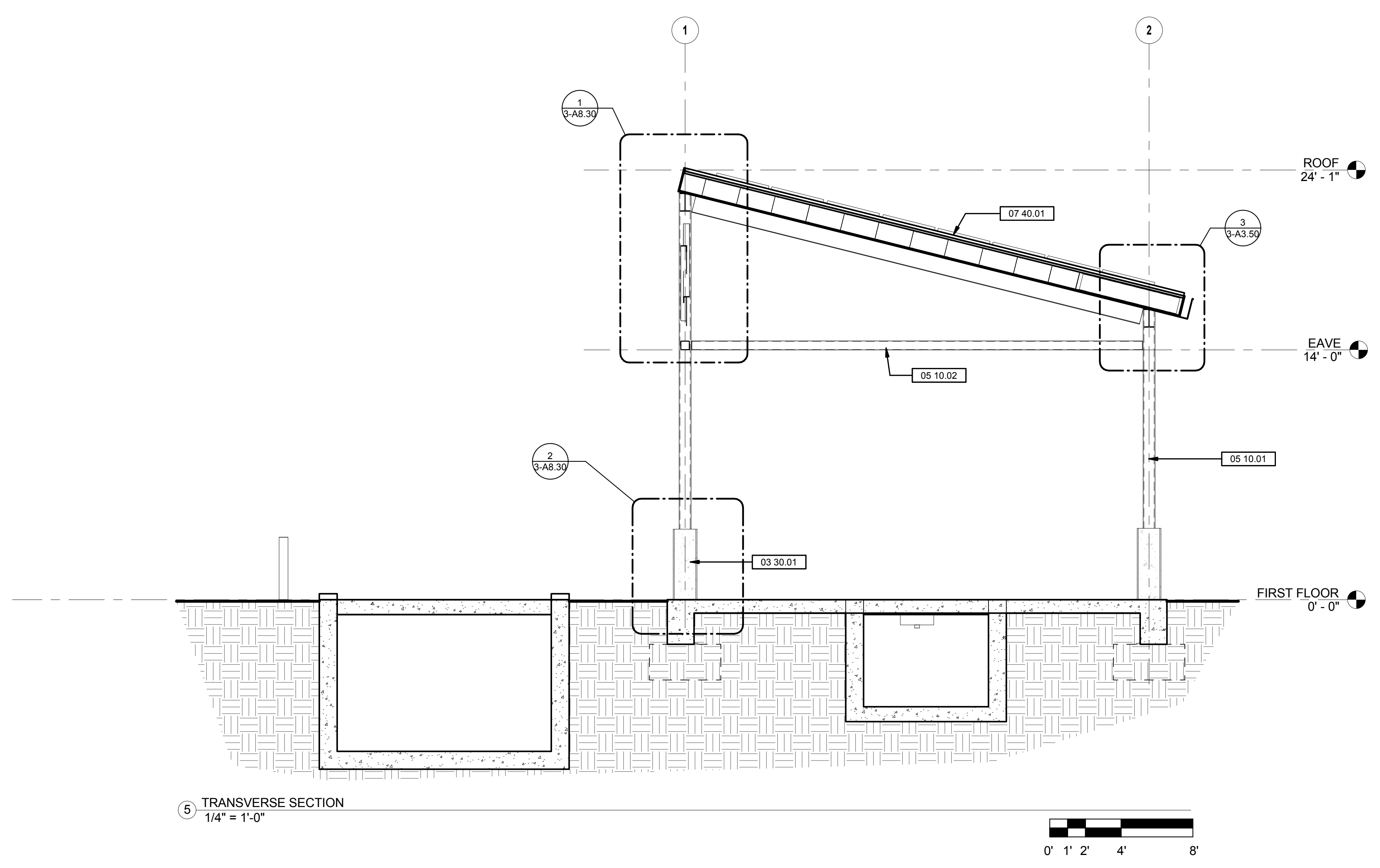
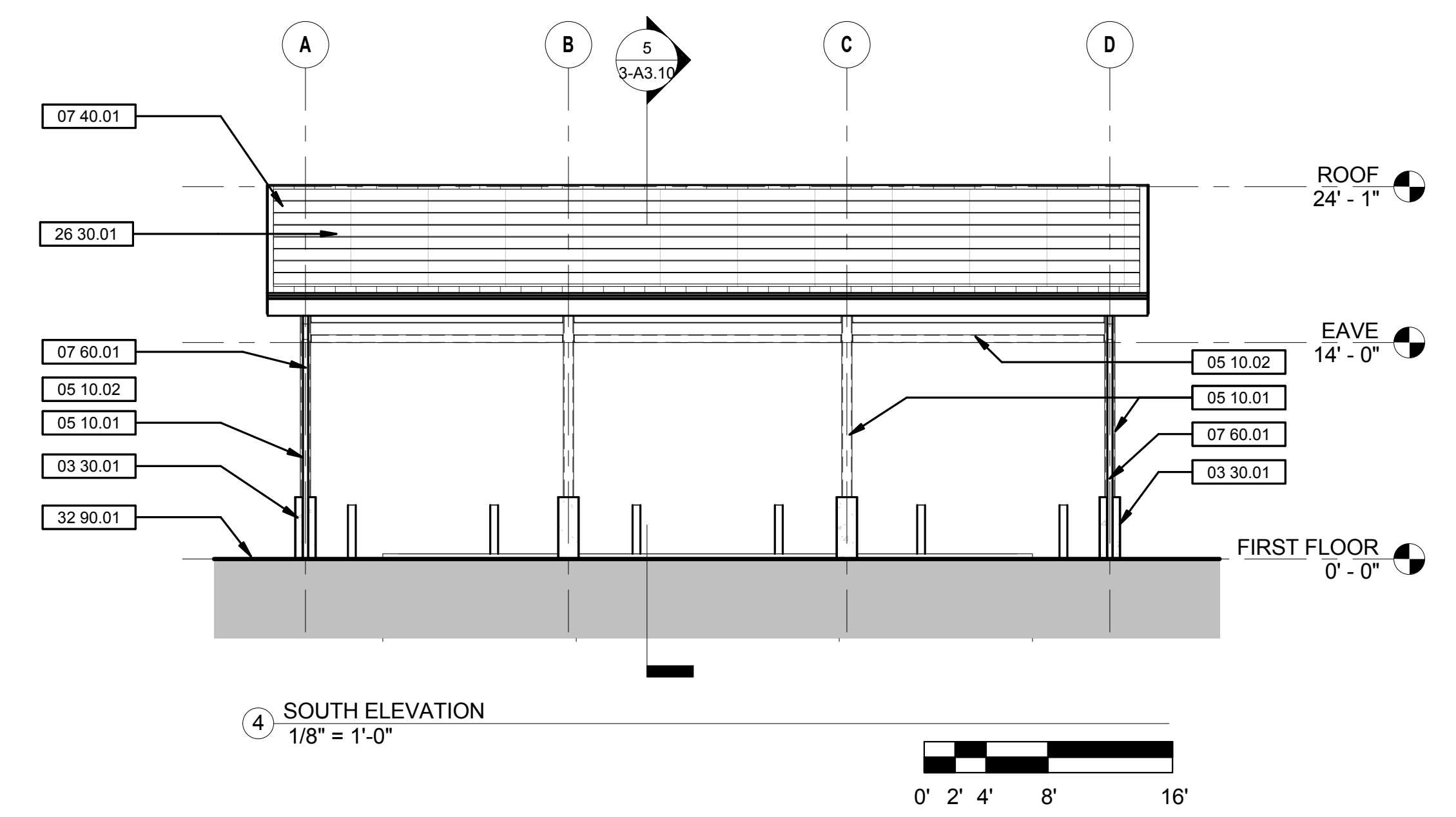
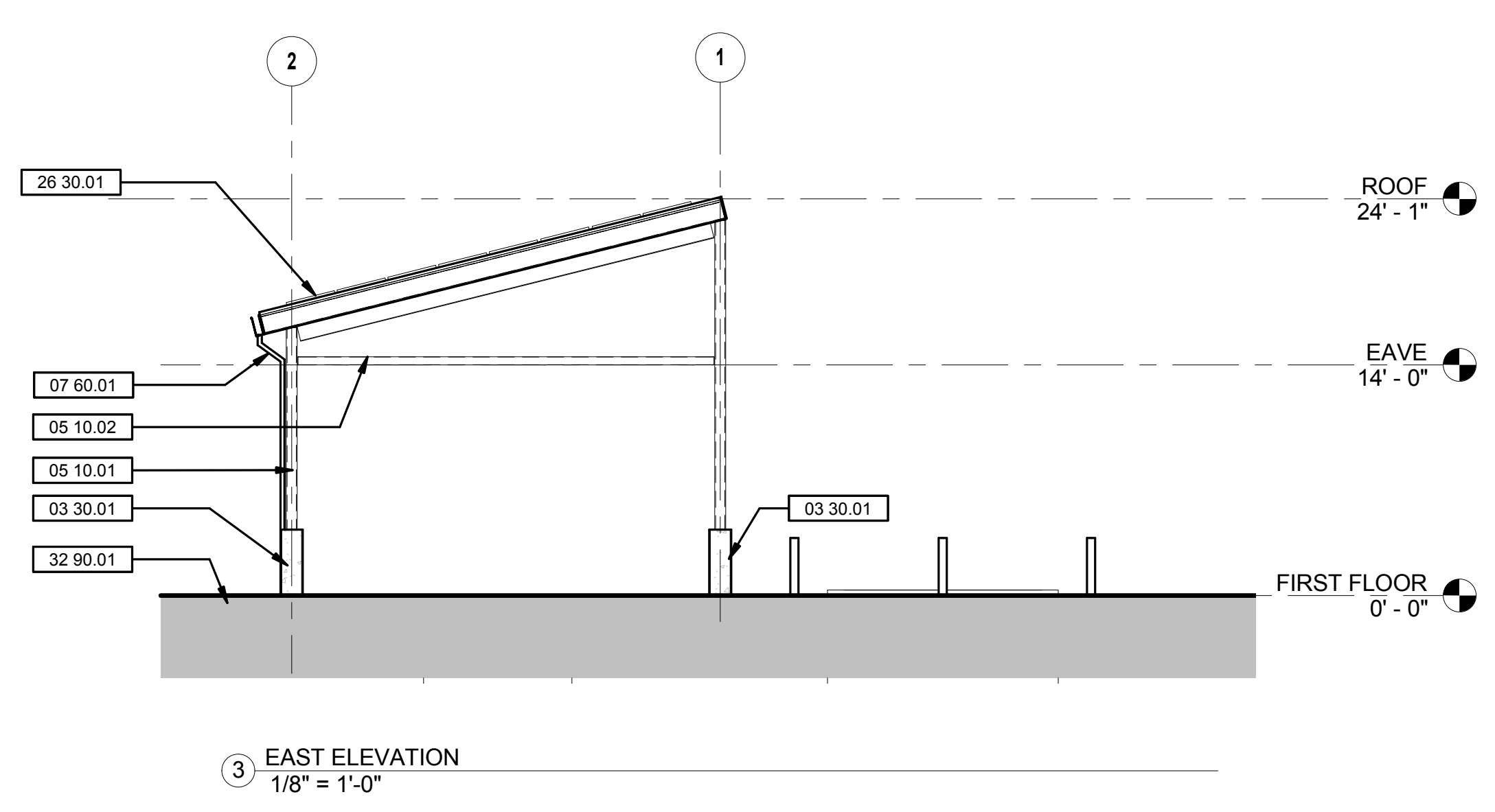
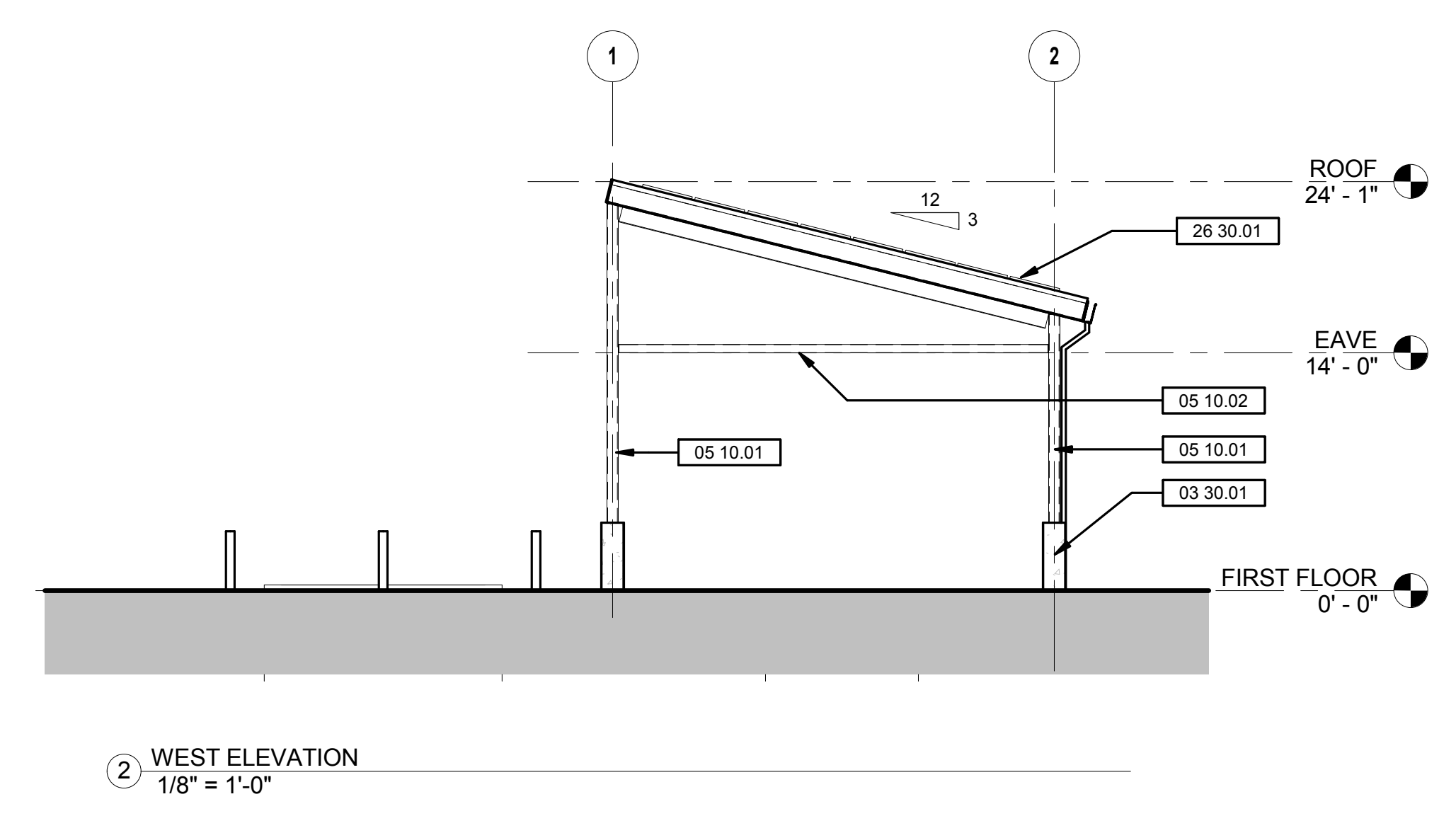
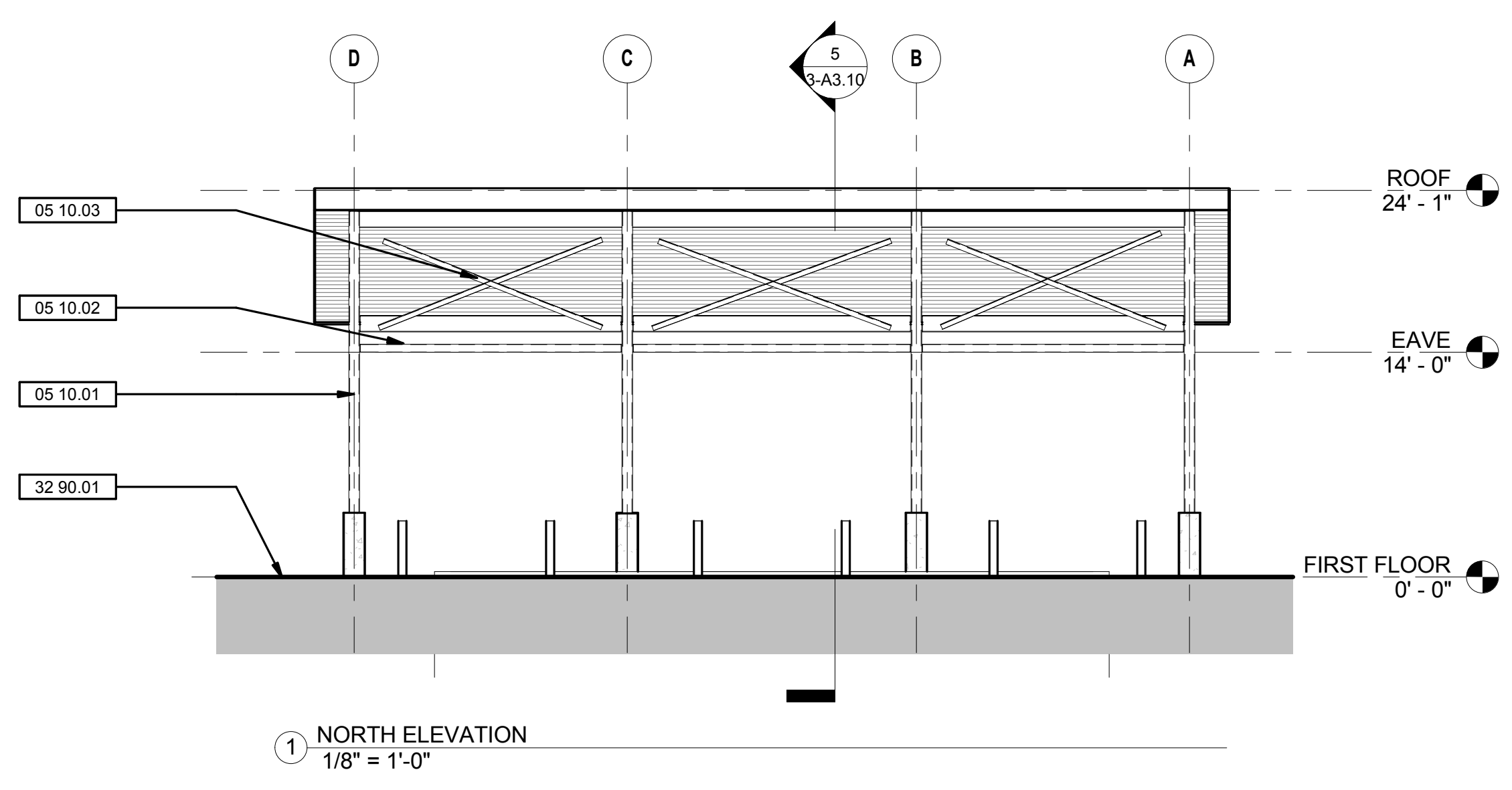
PLANNING SPR  
RESUBMITTAL

Sheet Title  
**BUILDING 3  
EXTERIOR ELEVATIONS,  
BUILDING CROSS  
SECTION**

Drawn By EW  
Checked By EW  
Scale:  
As Indicated  
Date:  
February 1, 2018  
Project No. 2016039

**3-A3.10**  
Drawing No.

Preliminary Design. Not For Construction Purposes.





GENERAL SHEET NOTES

SHEET KEYNOTE LEGEND

04 20.01	SMOOTH CMU WALLS, S.S.D.
07 30.01	CONCRETE TILE ROOFING, TYPICAL
07 60.02	INDICATES DOWNSPOUT LOCATION, TYPICAL
07 60.03	PAINTED ALUMINUM EAVE GUTTER
07 60.07	PAINTED ALUMINUM DOWNSPOUT FROM GUTTER ABOVE

WINDOW SCHEDULE LEGEND

**FRAME MATERIAL:**  
AL = ALUMINUM  
MTL = METAL  
WD = WOOD  
STL = STEEL  
VNL = VINYL

**FRAME FINISHES:**  
ANOD = ANODIZED  
FF = FACTORY FINISHED  
FP = FIELD PAINT  
FS = FIELD STAIN  
CLAD = MANUF. CLADDING

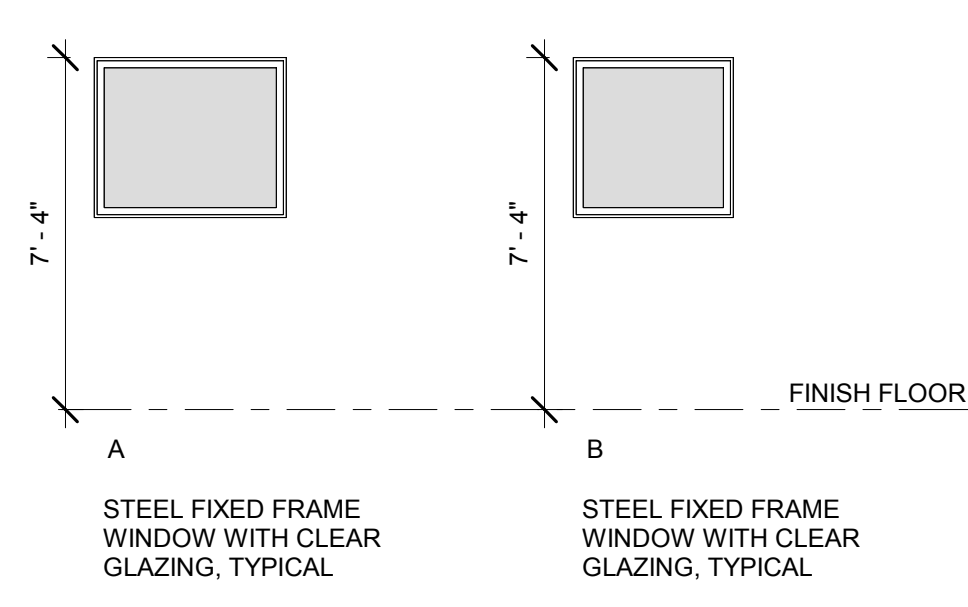
**GLASS COLOR:**  
CLR = CLEAR  
GRY = GREY  
BRZ = BRONZE

**GLASS TYPE:**  
GRID = TRUE DIVIDED LITE  
LOW-E = LOW-E  
MESH = G.I. MESH  
OBS = OBSCURE LOW-E  
TEMP = TEMPERED  
TRAN = TRANSLUCENT PANEL  
WIRE = WIRE GLASS

WINDOW SCHEDULE GENERAL NOTES

1. REFER TO SHEET 5-A10.01 FOR TYPES & LOCATIONS OF WINDOW SHADES.

WINDOW TYPE



DOOR SCHEDULE LEGEND

**DOOR CONSTRUCTION:**  
AL = ALUMINUM  
FAB = FABRIC  
GL = TEMPERED GLASS  
HC = HOLLOW CORE  
SC = SOLID CORE  
HM = HOLLOW METAL  
MTL = METAL

**DOOR FINISHES:**  
ANOD = ANODIZED  
FF = FACTORY FINISHED  
FP = FIELD PAINT  
FS = FIELD STAIN

**FRAME MATERIAL:**  
AL = ALUMINUM  
HM = HOLLOW METAL  
MTL = METAL  
WD = WOOD

**FRAME FINISHES:**  
ANOD = ANODIZED  
FF = FACTORY FINISHED  
FP = FIELD PAINT  
FS = FIELD STAIN

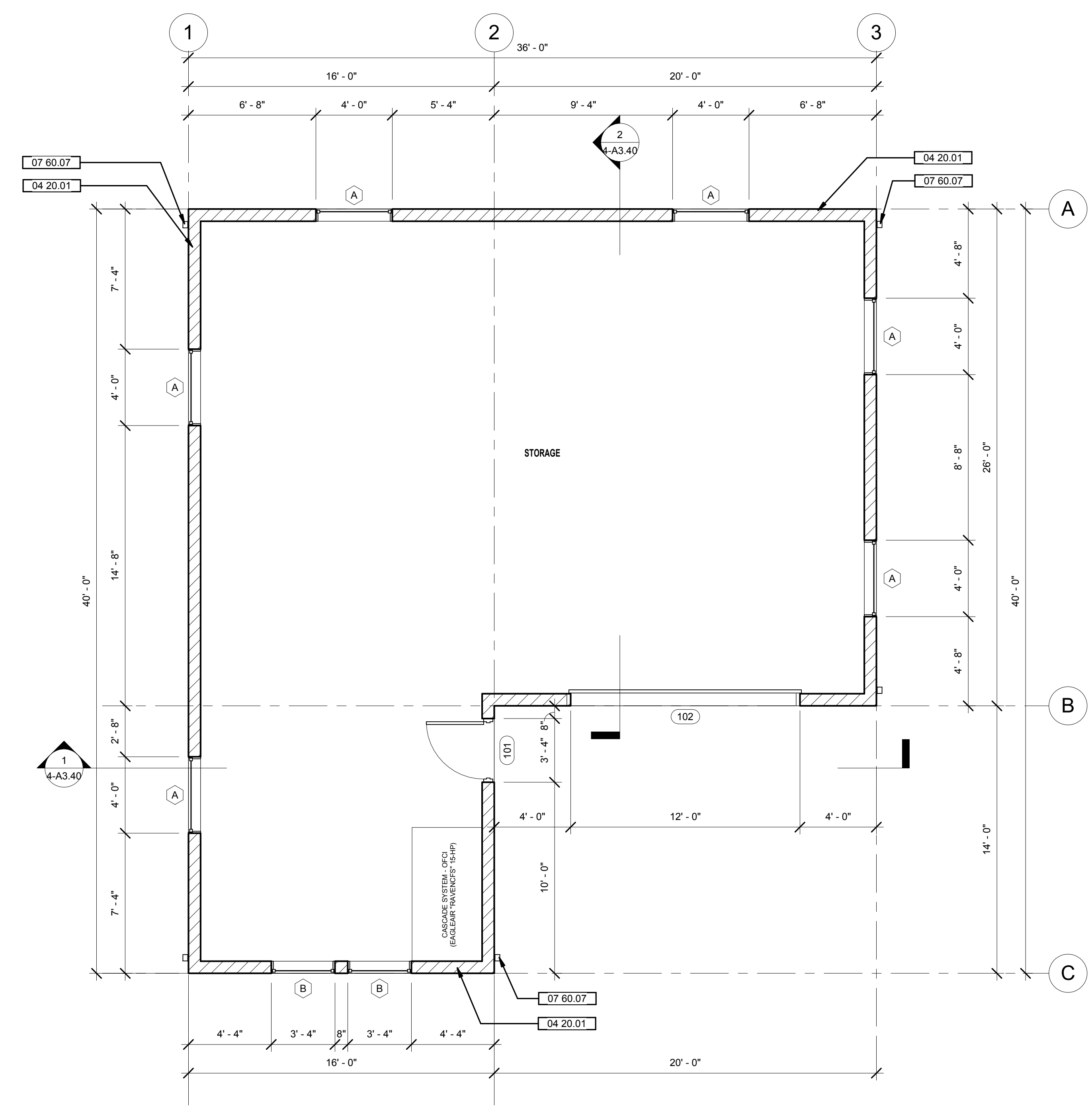
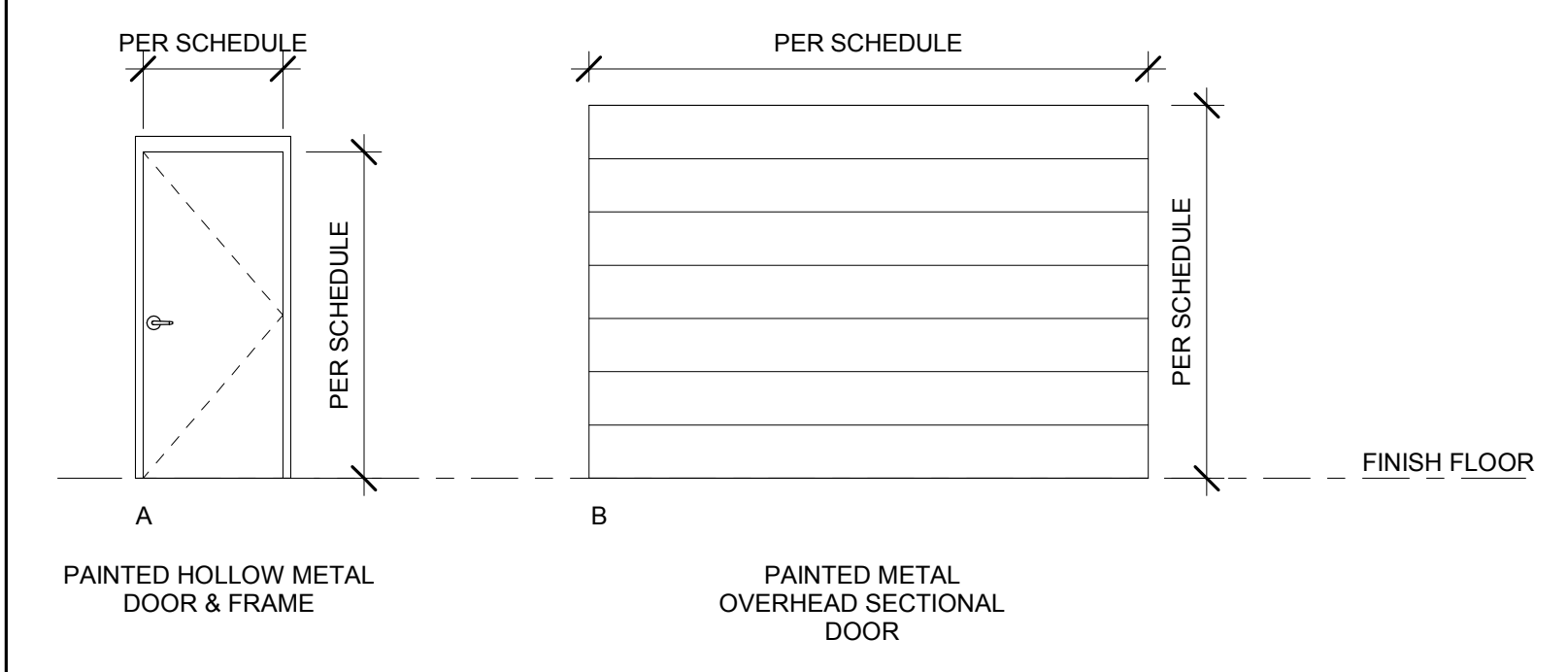
WINDOW SCHEDULE

MARK	SIZE		FRAME		GLASS		OPERATION			DETAILS			ACCESSORIES			NOTES
	WIDTH	HEIGHT	MATERIAL	FINISH	THK	COLOR	TYPE	OPERATION	HEAD	JAMB	SILL	FIRE RATING LABEL	INSECT SCREEN	GRID	WINDOW COVERING	
A	4'-0"	3'-4"	STL	FF	1"	CLR	LOW-E	FIX								
B	3'-4"	3'-4"	STL	FF	1"	CLR	LOW-E	FIX								

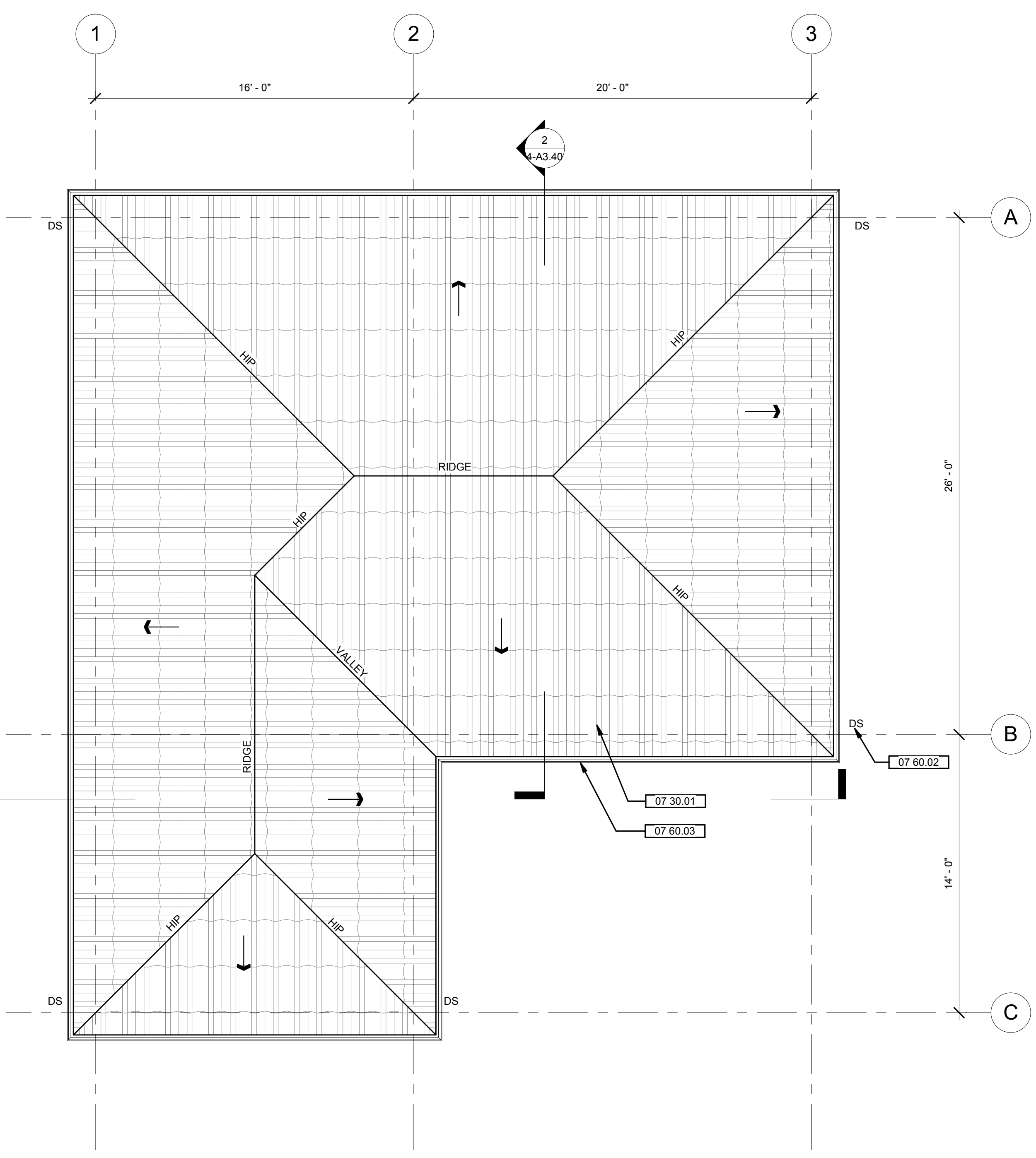
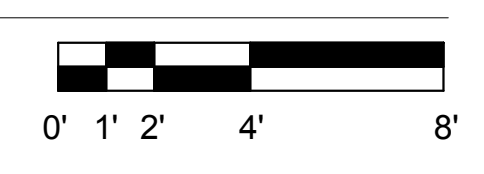
DOOR AND FRAME SCHEDULE

TYPE	MARK	DOOR			ROOM NAME	FRAME TYPE	DOOR			FRAME			FIRE RATING	HARDWARE GROUP	REMARKS
		WIDTH	HEIGHT	THICKNESS			MATERIAL	FINISH	MATERIAL	FINISH	HEAD	JAMB			
A	101	3'-0"	7'-0"	1 3/4"	STORAGE	1	HM	FF	3'-4"	HM	FF				
B	102	12'-0"	8'-0"	2"	STORAGE	PER MANUF	MTL	FF	MTL	FF					

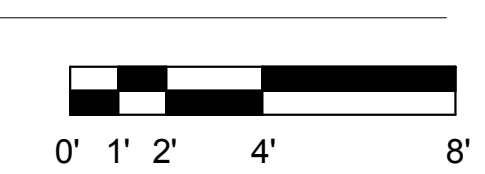
DOOR AND FRAME TYPES



1 FLOOR PLAN  
1/4" = 1'-0"



2 ROOF PLAN  
1/4" = 1'-0"





GENERAL SHEET NOTES

WALL LEGEND

**SHEET KEYNOTE LEGEND**

04 20.01	SMOOTH CMU WALLS, S.S.D.
07 30.01	CONCRETE TILE ROOFING, TYPICAL
07 60.03	PAINTED ALUMINUM EAVE GUTTER
07 60.07	PAINTED ALUMINUM DOWNSPOUT FROM GUTTER ABOVE
08 30.01	PAINTED METAL OVERHEAD SECTIONAL DOOR
08 50.01	STEEL FIXED FRAME WINDOW WITH CLEAR GLAZING, TYPICAL
32 90.01	LANDSCAPE AREA, SEE CIVIL AND LANDSCAPE DRAWINGS

**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**

1401 W. WINTON AVE.  
HAYWARD, CA 94545

REVISIONS

No.	Description	Date

PLANNING SPR  
RESUBMITTAL

Sheet Title  
**BUILDING 4  
EXTERIOR ELEVATIONS**

Drawn By: EW      Checked By: EW

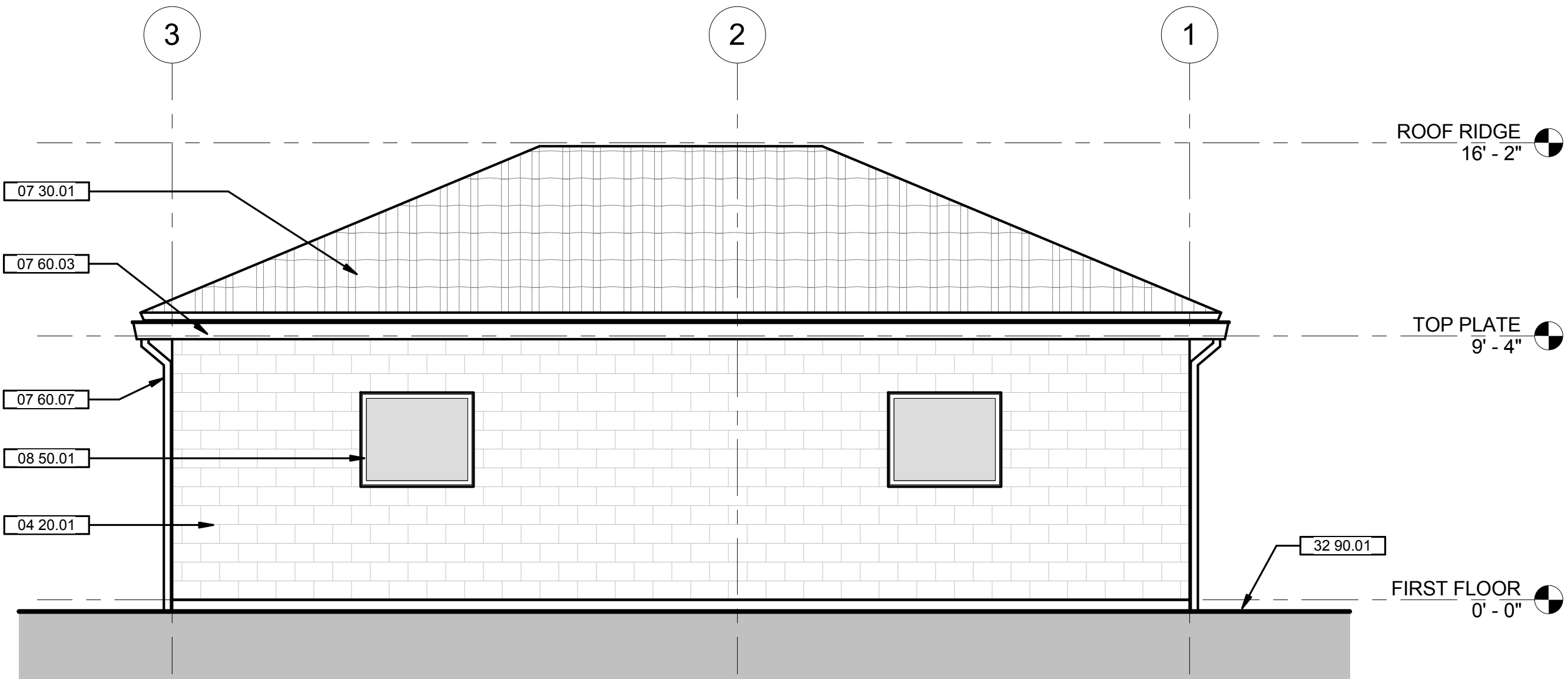
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1/4" = 1'-0"

Date:  
February 1, 2018

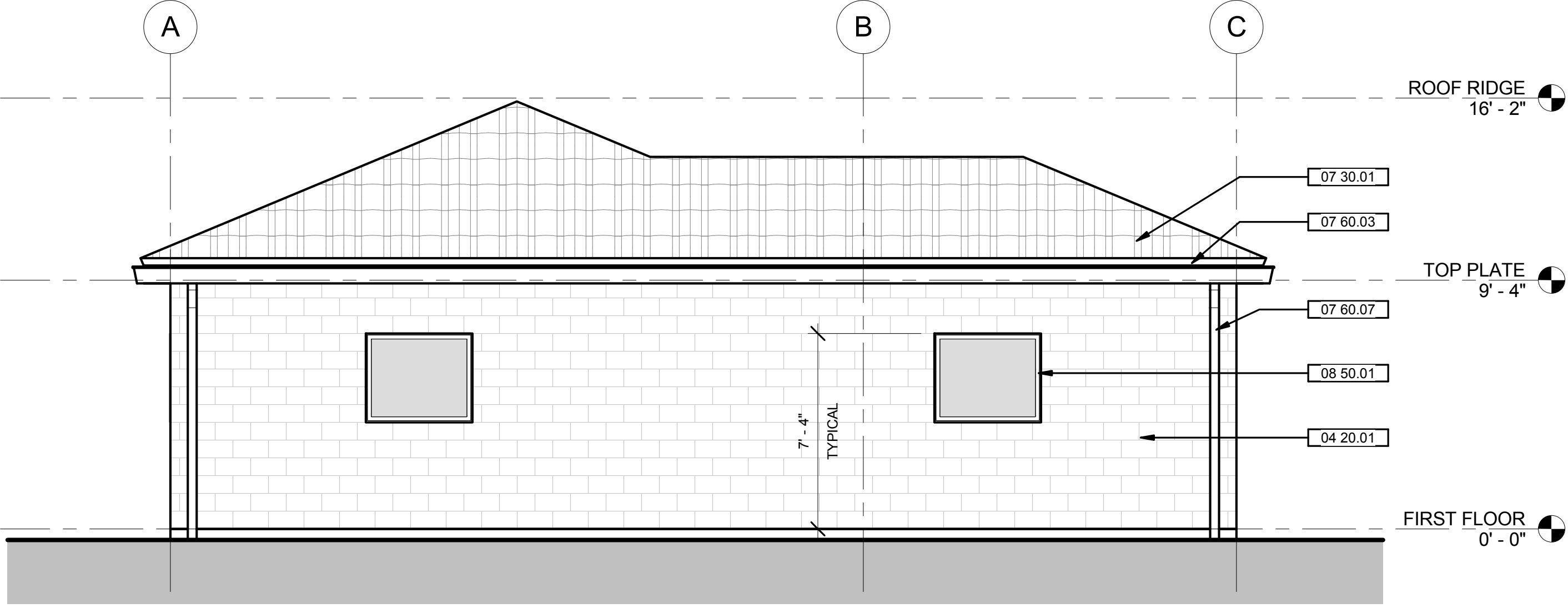
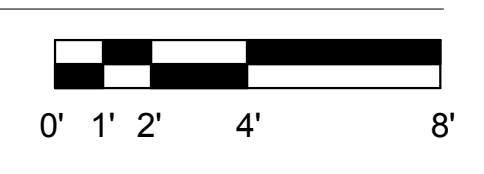
Project No.: 2016039

**4-A3.10**  
Drawing No.

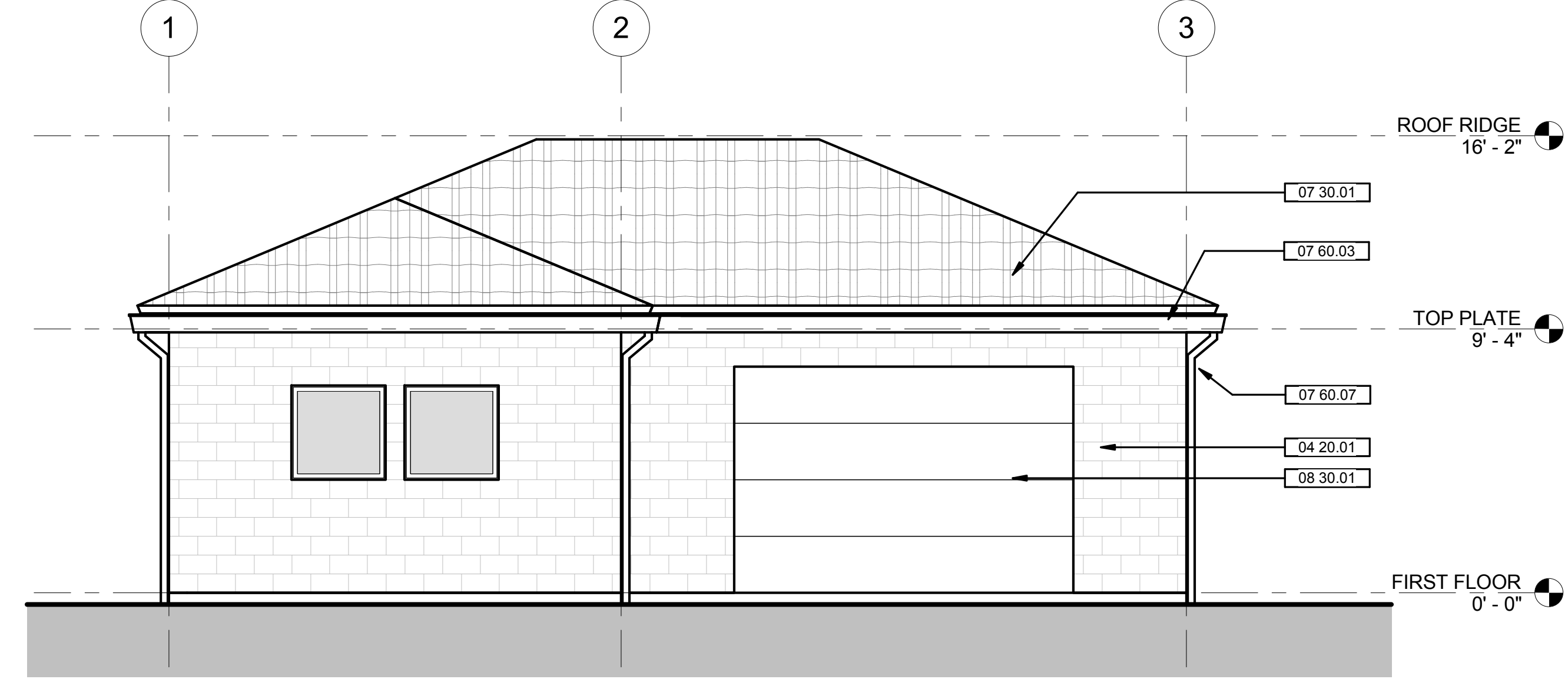
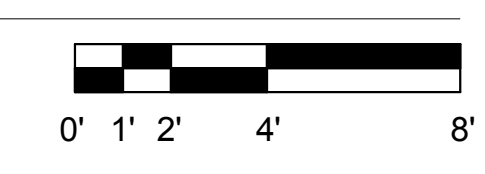
PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.



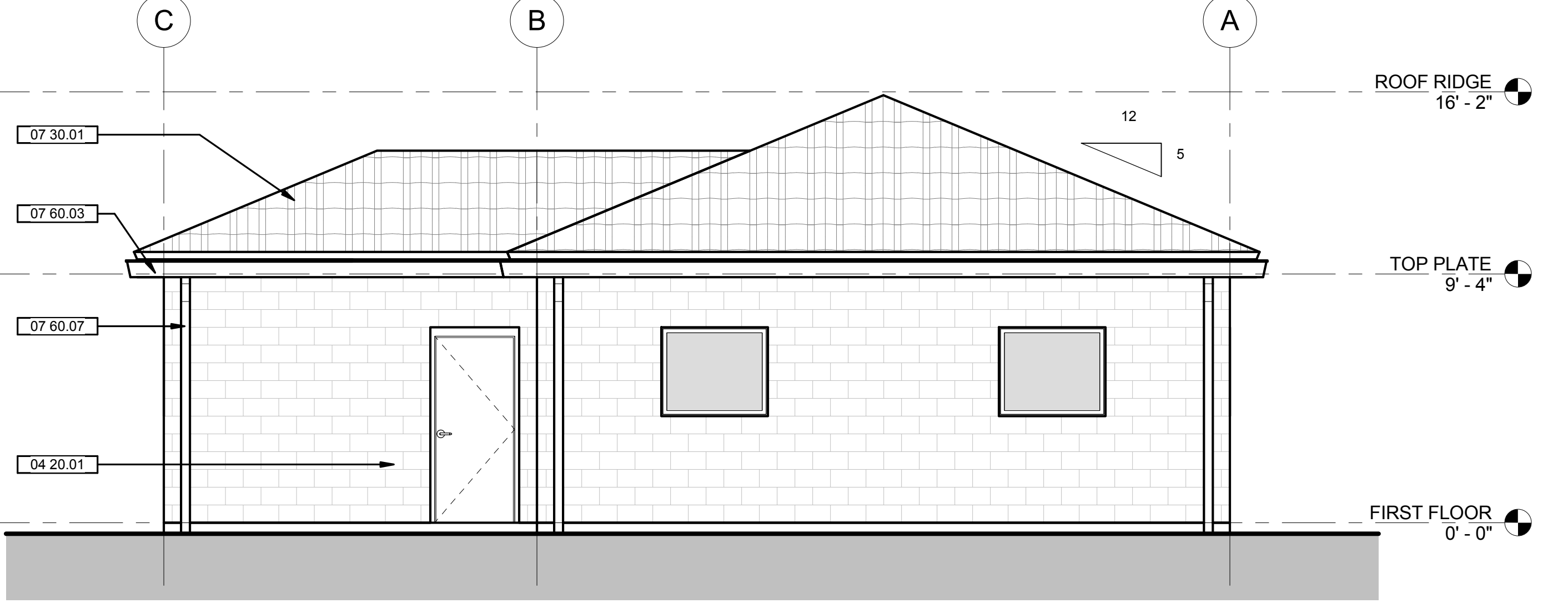
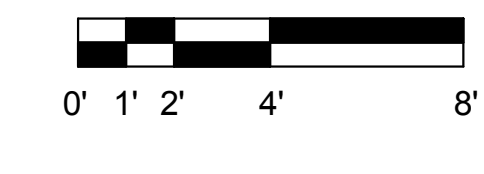
1 NORTH EXTERIOR ELEVATION  
1/4" = 1'-0"



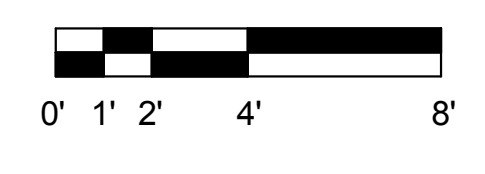
2 WEST EXTERIOR ELEVATION  
1/4" = 1'-0"



3 SOUTH EXTERIOR ELEVATION  
1/4" = 1'-0"



4 EAST EXTERIOR ELEVATION  
1/4" = 1'-0"





GENERAL SHEET NOTES

1. THIS STRUCTURE IS A NON-OCCUPIED STRUCTURE USED FOR THE SOLE PURPOSE OF TRAINING ABLE-BODIED FIRE DEPARTMENT AND LAW ENFORCEMENT PERSONNEL. THIS STRUCTURE IS NOT DESIGNED TO ACCOMMODATE THE GENERAL PUBLIC AND AS SUCH IS NOT DESIGNED IN CONFORMANCE WITH ACCESS AND BUILDING CODES FOR CIRCULATION, EXITING, OR LIFE SAFETY.

WALL LEGEND

SHEET KEYNOTE LEGEND

03 30 06	CAST-IN-PLACE (CIP) CONCRETE WALLS AT EXTERIOR OF BASEMENT LEVEL, TYPICAL
04 60 01	SHADING INDICATES AREA OF FIRE BRICK FLOORING, TYPICAL
07 60 07	PAINTED ALUMINUM DOWNSPOUT FROM GUTTER ABOVE
07 80 01	DASHED LINES DELINEATE AREAS OF THERMAL LINING (SUPER PADGENITE HD BY WHP TRAINING TOWERS OR SIMILAR) AT WALLS, TYPICAL
22 40 01	PREMANUFACTURED TRENCH DRAIN WITH GALVANIZED STEEL FRAME AND DUCTILE IRON GRATE, TYPICAL
32 10 07	PERMEABLE PAVERS ON SLOPED SURFACE DOWN TO BASEMENT, SEE BUILDING 5 DRAWINGS

HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER

1401 W. WINTON AVE  
HAYWARD, CA 94545

REVISIONS

No.	Description	Date
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PLANNING SPR RESUBMITTAL

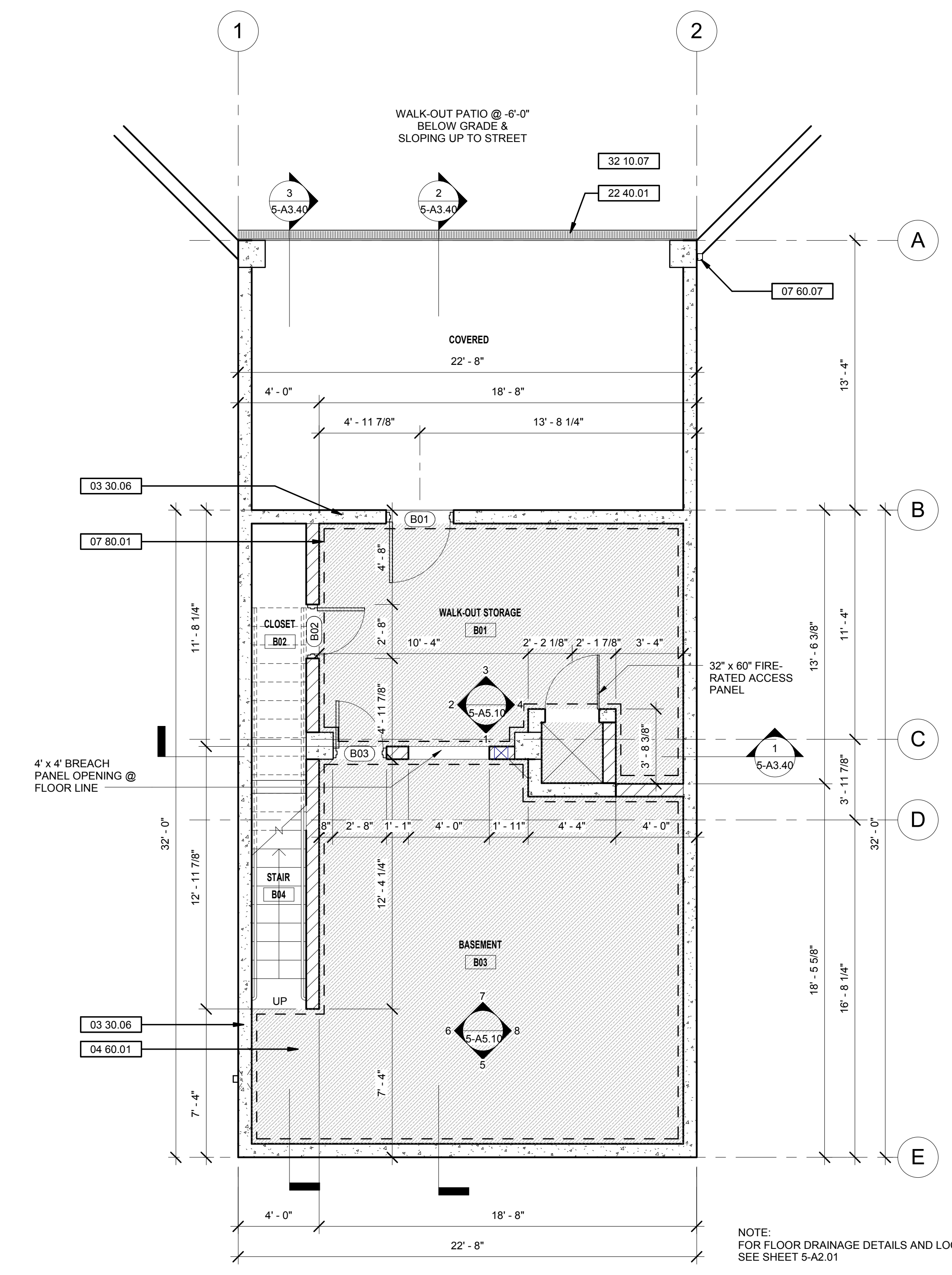
Sheet Title  
BUILDING 5  
BASEMENT FLOOR PLAN

Drawn By NM Checked By EW

Scale:  
1/4" = 1'-0"  
Date:  
February 1, 2018  
Project No. 2016039

5-A2.00  
Drawing No.

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GENERAL SHEET NOTES

1. DIAGRAMMATIC FURNITURE, CASEWORK, & PLUMBING FIXTURES ARE PROPS SHOWN AS SUGGESTED ITEMS TO ENHANCE THE OVERALL RESIDENTIAL FIRE-FIGHTING SIMULATION EXPERIENCE. THEY ARE NOT INTENDED TO INDICATE ACTUAL FURNITURE OR FIXTURES.
2. THIS STRUCTURE IS A NON-OCCUPIED STRUCTURE USED FOR THE SOLE PURPOSE OF TRAINING ABLE-BODIED FIRE DEPARTMENT AND LAW ENFORCEMENT PERSONNEL. THIS STRUCTURE IS NOT DESIGNED TO ACCOMMODATE THE GENERAL PUBLIC AND AS SUCH IS NOT DESIGNED IN CONFORMANCE WITH ACCESS AND BUILDING CODES FOR CIRCULATION, EXITING, OR LIFE SAFETY.
3. FOR DRAINAGE LOCATION AND DETAILS SEE DWG. A2.21.

WALL LEGEND

SHEET KEYNOTE LEGEND

04 20.01	SMOOTH CMU WALLS, S.S.D.
04 60.01	SHADING INDICATES AREA OF FIRE BRICK FLOORING, TYPICAL
05 50.06	METAL EMERGENCY FIRE ESCAPE PLATFORM WITH PERMANENT STAIR
07 80.01	DASHED LINES DELINEATE AREAS OF THERMAL LINING ('SUPER PADGENTITE HD' BY WHP TRAINING TOWERS OR SIMILAR) AT WALLS, TYPICAL
07 80.02	SHADING INDICATES AREAS OF THERMAL LINING ('SUPER PADGENTITE HD' BY WHP TRAINING TOWERS OR SIMILAR) AT CEILING, TYPICAL

HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER

1401 W. WINTON AVE  
HAYWARD, CA 94545

REVISIONS

No.	Description	Date

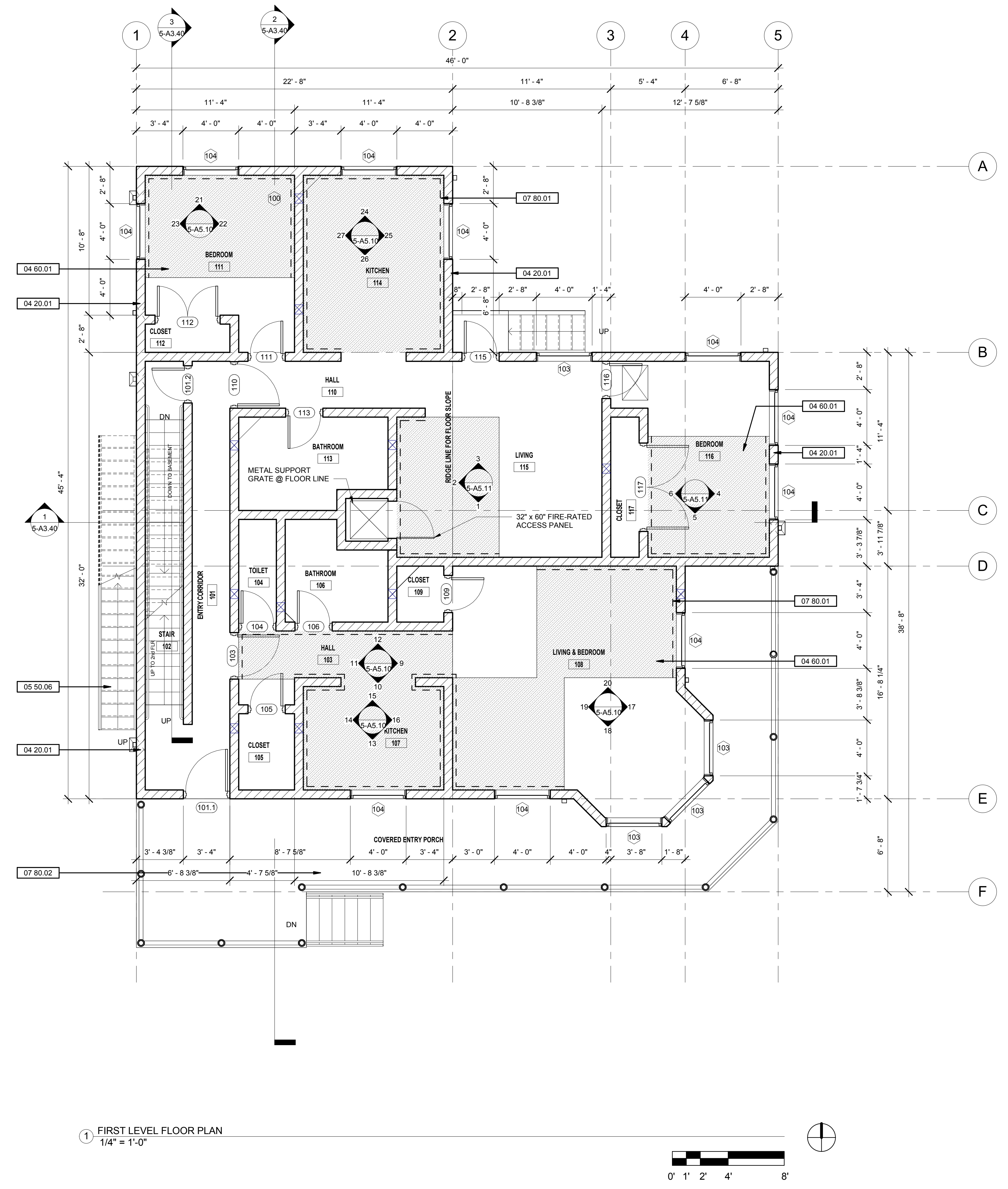
PLANNING SPR RESUBMITTAL

BUILDING 5  
FIRST LEVEL FLOOR  
PLAN

Drawn By EW  
Checked By EW  
Scale:  
1/4" = 1'-0"  
Date:  
February 1, 2018  
Project No. 2018039

5-A2.10  
Drawing No.

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1 FIRST LEVEL FLOOR PLAN  
1/4" = 1'-0"



**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**  
1401 W. WINTON AVE  
HAYWARD, CA 94545

REVISIONS

No.	Description	Date

**PLANNING SPR RESUBMITTAL**

Sheet Title  
**BUILDING 5  
SECOND LEVEL FLOOR PLAN**

Drawn By EW  
Checked By EW  
Scale:  
1/4" = 1'-0"  
Date:  
February 1, 2018  
Project No. 2018039

**5-A2.20**  
Drawing No.

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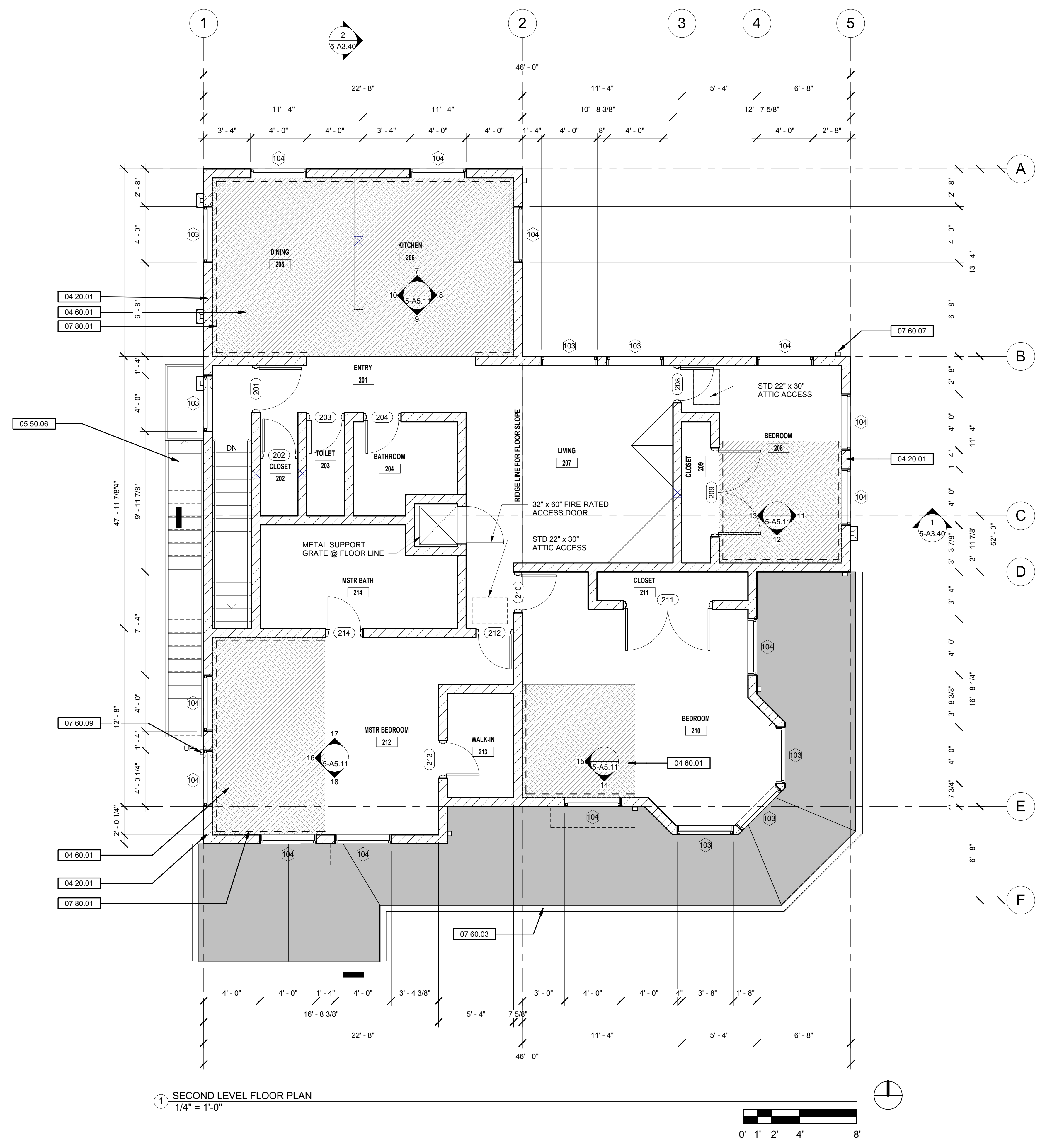
**GENERAL SHEET NOTES**

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2. THIS STRUCTURE IS A NON-OCCUPIED STRUCTURE USED FOR THE SOLE PURPOSE OF TRAINING ABLE-BODIED FIRE DEPARTMENT AND LAW ENFORCEMENT PERSONNEL. THIS STRUCTURE IS NOT DESIGNED TO ACCOMMODATE THE GENERAL PUBLIC AND AS SUCH IS NOT DESIGNED IN CONFORMANCE WITH ACCESS AND BUILDING CODES FOR CIRCULATION, EXITING, OR LIFE SAFETY.
3. FOR DRAINAGE LOCATION AND DETAILS SEE DWG. A2.21.

**WALL LEGEND**

**SHEET KEYNOTE LEGEND**

04 20.01	SMOOTH CMU WALLS, S.S.D.
04 60.01	SHADING INDICATES AREA OF FIRE BRICK FLOORING, TYPICAL
05 30	METAL DECKING
05 50.06	METAL EMERGENCY FIRE ESCAPE PLATFORM WITH PERMANENT STAIR
07 60.03	PAINTED ALUMINUM EAVE GUTTER
07 60.07	PAINTED ALUMINUM DOWNSPOUT FROM GUTTER ABOVE
07 60.09	ROOF SCUPPER THROUGH WALL WITH DOWNSPOUT
07 80.01	DASHED LINES DELINEATE AREAS OF THERMAL LINING (SUPER PADGENITE HD® BY WHP TRAININGTOWERS OR SIMILAR) AT WALLS, TYPICAL



1 SECOND LEVEL FLOOR PLAN  
1/4" = 1'-0"



GENERAL SHEET NOTES

1. DIAGRAMMATIC FURNITURE, CASEWORK, & PLUMBING FIXTURES ARE PROPS SHOWN AS SUGGESTED ITEMS TO ENHANCE THE OVERALL RESIDENTIAL FIRE-FIGHTING SIMULATION EXPERIENCE. THEY ARE NOT INTENDED TO INDICATE ACTUAL FURNITURE OR FIXTURES.
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3. FOR DRAINAGE LOCATION AND DETAILS SEE DWG. A2.21.

WALL LEGEND

SHEET KEYNOTE LEGEND

04 20 01	SMOOTH CMU WALLS, S.S.D.
04 60 01	SHADING INDICATES AREA OF FIRE BRICK FLOORING, TYPICAL
07 30 02	FIBERGLASS COMPOSITION SHINGLE ROOFING
07 60 03	PAINTED ALUMINUM EAVE GUTTER
07 60 04	PAINTED ALUMINUM FASCIA TRIM
07 60 06	ALUMINUM DOWNSPOUT WITH COLLECTOR HEAD AT CLEAN-OUT SCUPPER LOCATION, TYPICAL
07 60 07	PAINTED ALUMINUM DOWNSPOUT FROM GUTTER ABOVE
07 60 09	ROOF SCUPPER THROUGH WALL WITH DOWNSPOUT
07 80 01	DASHED LINES DELINEATE AREAS OF THERMAL LINING ("SUPER PADGENITE HD" BY WHP TRAINING TOWERS OR SIMILAR) AT WALLS, TYPICAL

**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**  
1401 W. WINTON AVE  
HAYWARD, CA 94545

REVISIONS

No.	Description	Date

PLANNING SPR  
RESUBMITTAL

Sheet Title  
**BUILDING 5  
ATTIC PLAN**

Drawn By EW Checked By EW

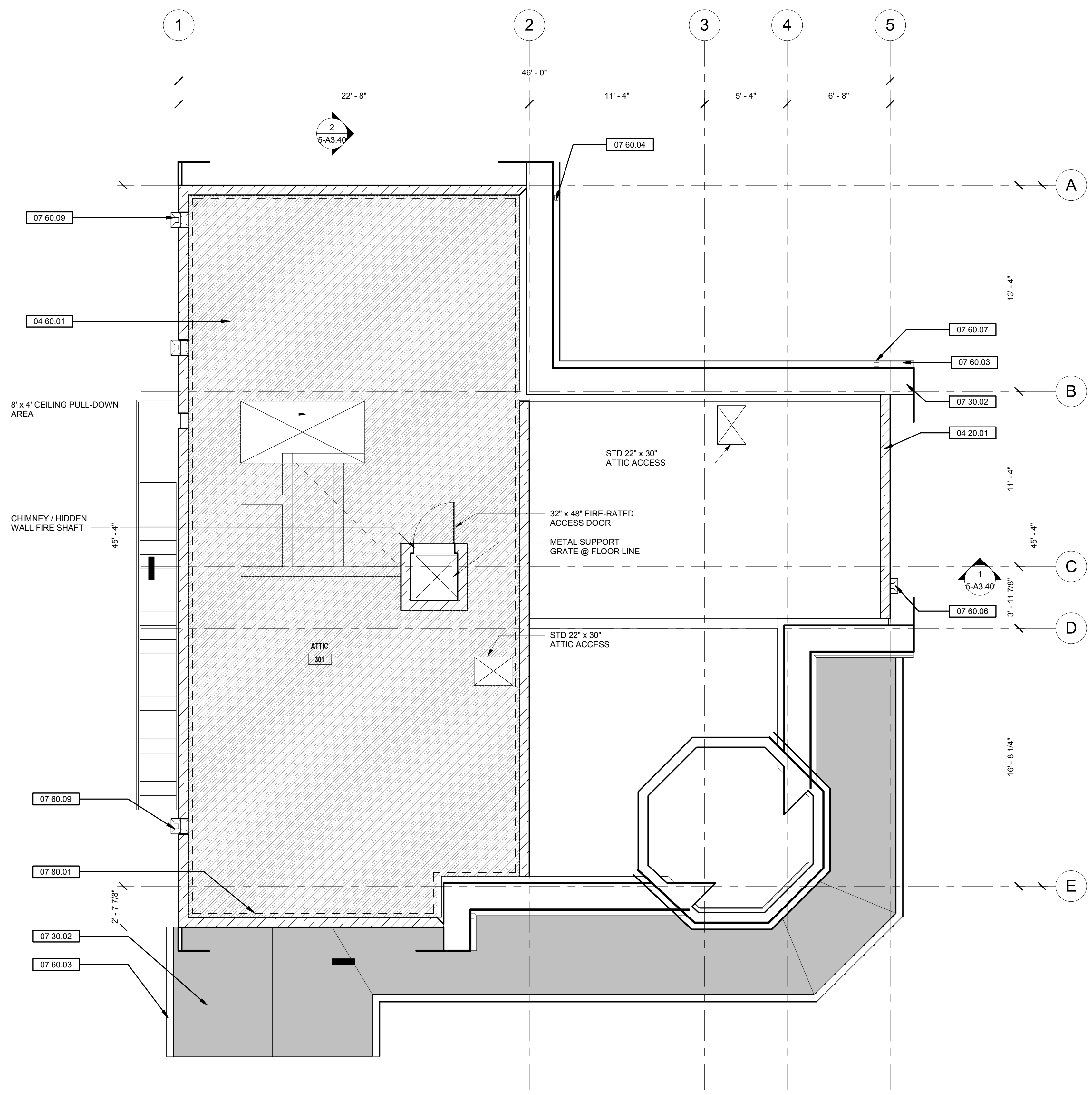
Scale:  
1/4" = 1'-0"

Date:  
February 1, 2018

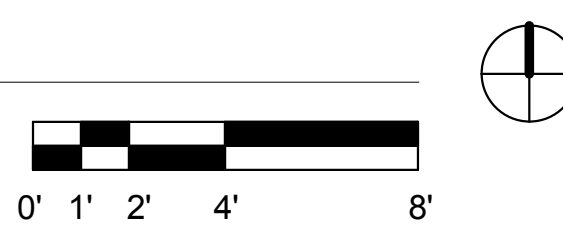
Project No. 2018039

**5-A2.30**  
Drawing No.

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1 ATTIC FLOOR PLAN  
1/4" = 1'-0"





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WALL LEGEND

SHEET KEYNOTE LEGEND

03 30 06	CAST-IN-PLACE (CIP) CONCRETE WALLS AT EXTERIOR OF BASEMENT LEVEL, TYPICAL
04 20 01	SMOOTH GMI WALLS, S.S.D.
05 50 06	METAL EMERGENCY FIRE ESCAPE PLATFORM WITH PERMANENT STAIR
07 30 02	FIBERGLASS COMPOSITION SHINGLE ROOFING
07 60 03	PAINTED ALUMINUM EAVE GUTTER
07 60 04	PAINTED ALUMINUM FASCIA TRIM
07 60 06	ALUMINUM DOWNSPOUT WITH COLLECTOR HEAD AT CLEAN-OUT SCUPPER LOCATION, TYPICAL
07 60 07	PAINTED ALUMINUM DOWNSPOUT FROM GUTTER ABOVE
07 60 09	ROOF SCUPPER THROUGH WALL WITH DOWNSPOUT
08 10 01	PAINTED HOLLOW METAL DOOR & FRAME
08 50 02	STEEL FRAME WINDOW OPENINGS WITH DOUBLE-ACTING HOLLOW METAL DOORS, TYPICAL
32 90 01	LANDSCAPE AREA, SEE CIVIL AND LANDSCAPE DRAWINGS

HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER

1401 W. WINTON AVE  
HAYWARD, CA 94545

REVISIONS

No.	Description	Date

PLANNING SPR RESUBMITTAL

BUILDING 5 EXTERIOR ELEVATIONS

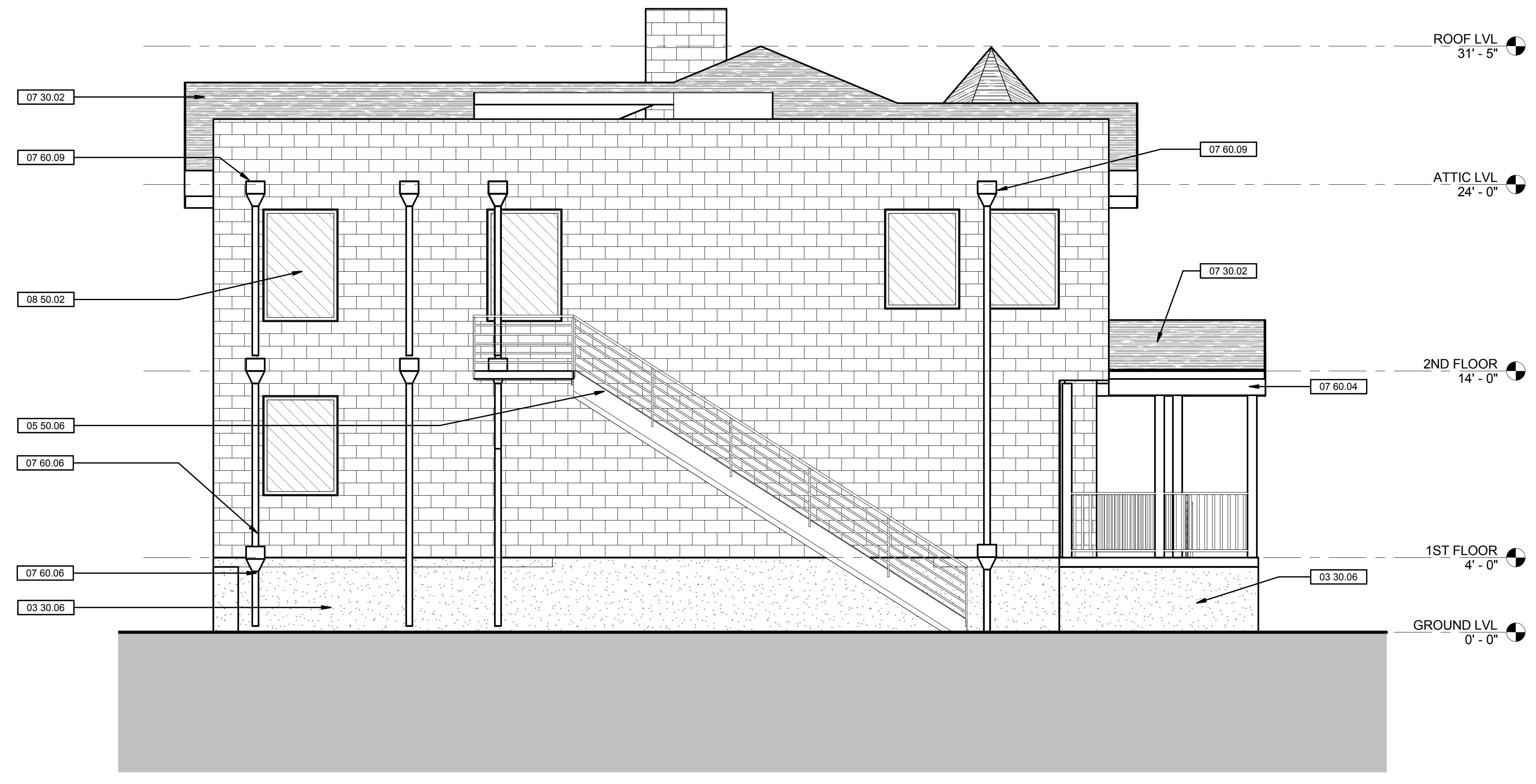
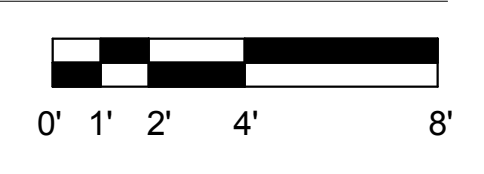
Drawn By NM Checked By EW  
Scale: 1/4" = 1'-0"  
Date: February 1, 2018  
Project No. 2018039

5-A3.10

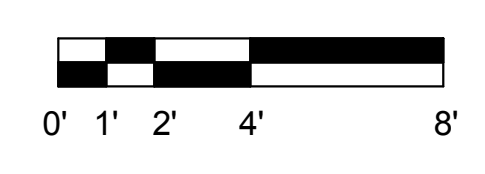
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1 SOUTH EXTERIOR ELEVATION  
1/4" = 1'-0"



2 WEST EXTERIOR ELEVATION  
1/4" = 1'-0"





GENERAL SHEET NOTES

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WALL LEGEND

SHEET KEYNOTE LEGEND

04 20.01	SMOOTH CMU WALLS, S.S.D.
07 30.02	FIBERGLASS COMPOSITION SHINGLE ROOFING
07 60.03	PAINTED ALUMINUM GAVE GUTTER
07 60.04	PAINTED ALUMINUM FASCIA TRIM
07 60.06	ALUMINUM DOWNSPOUT WITH COLLECTOR HEAD AT CLEAN-OUT SCUPPER LOCATION, TYPICAL
07 60.07	PAINTED ALUMINUM DOWNSPOUT FROM GUTTER ABOVE
08 50.02	STEEL FRAME WINDOW OPENINGS WITH DOUBLE-ACTING HOLLOW METAL DOORS, TYPICAL

**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**

1401 W. WINTON AVE  
HAYWARD, CA 94545

REVISIONS

No.	Description	Date

**PLANNING SPR RESUBMITTAL**

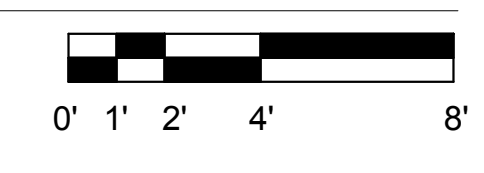
Sheet Title  
**BUILDING 5 EXTERIOR ELEVATIONS**

Drawn By NM Checked By EW  
Scale: 1/4" = 1'-0"  
Date: February 1, 2018  
Project No. 2016039

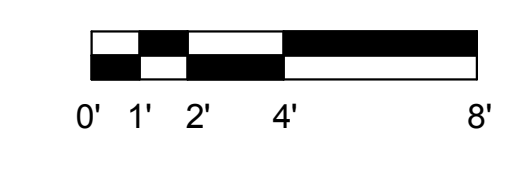
**5-A3.11**  
Drawing No.



① NORTH EXTERIOR ELEVATION  
1/4" = 1'-0"



② EAST EXTERIOR ELEVATION  
1/4" = 1'-0"





**HAYWARD FIRE  
STATION #6 & FIRE  
TRAINING CENTER**

1401 W. WINTON AVE  
HAYWARD, CA 94545

REVISIONS		
No.	Description	Date

**PLANNING SPR  
RESUBMITTAL**

Sheet Title  
**BUILDING 5  
AXONOMETRIC VIEWS**

Drawn By NM Checked By EW

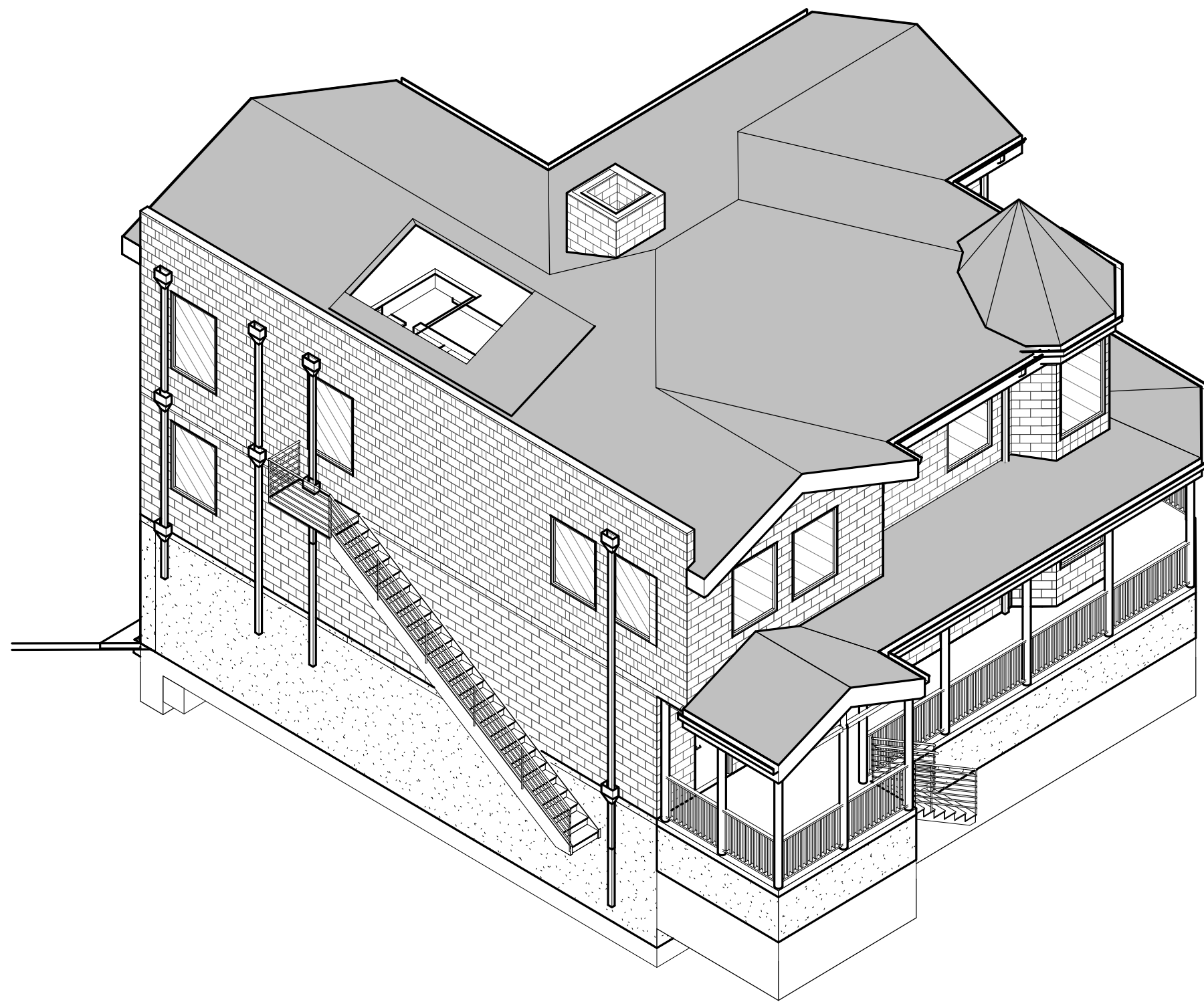
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Date:  
February 1, 2018

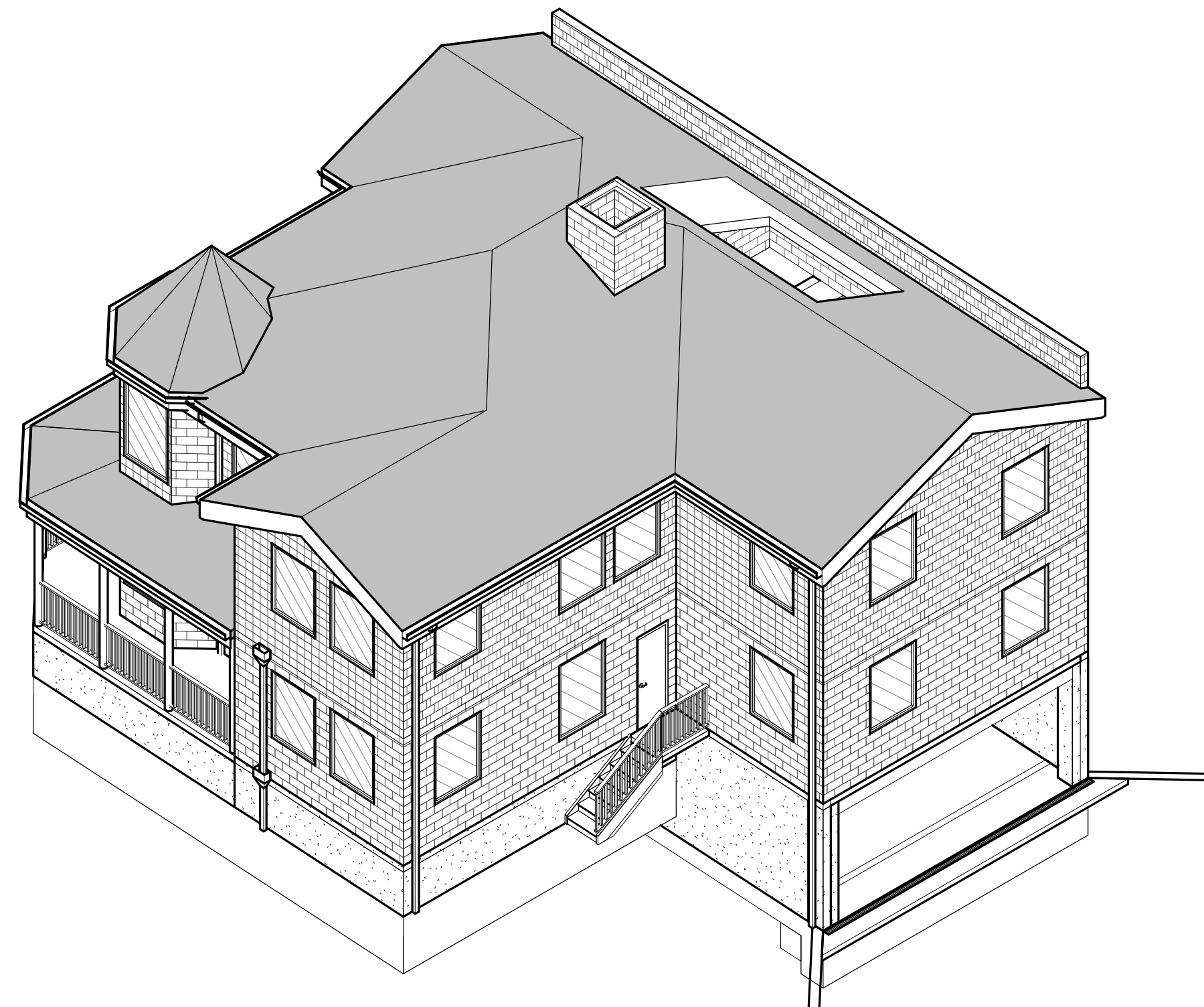
Project No. 2016039

**5-A3.12**

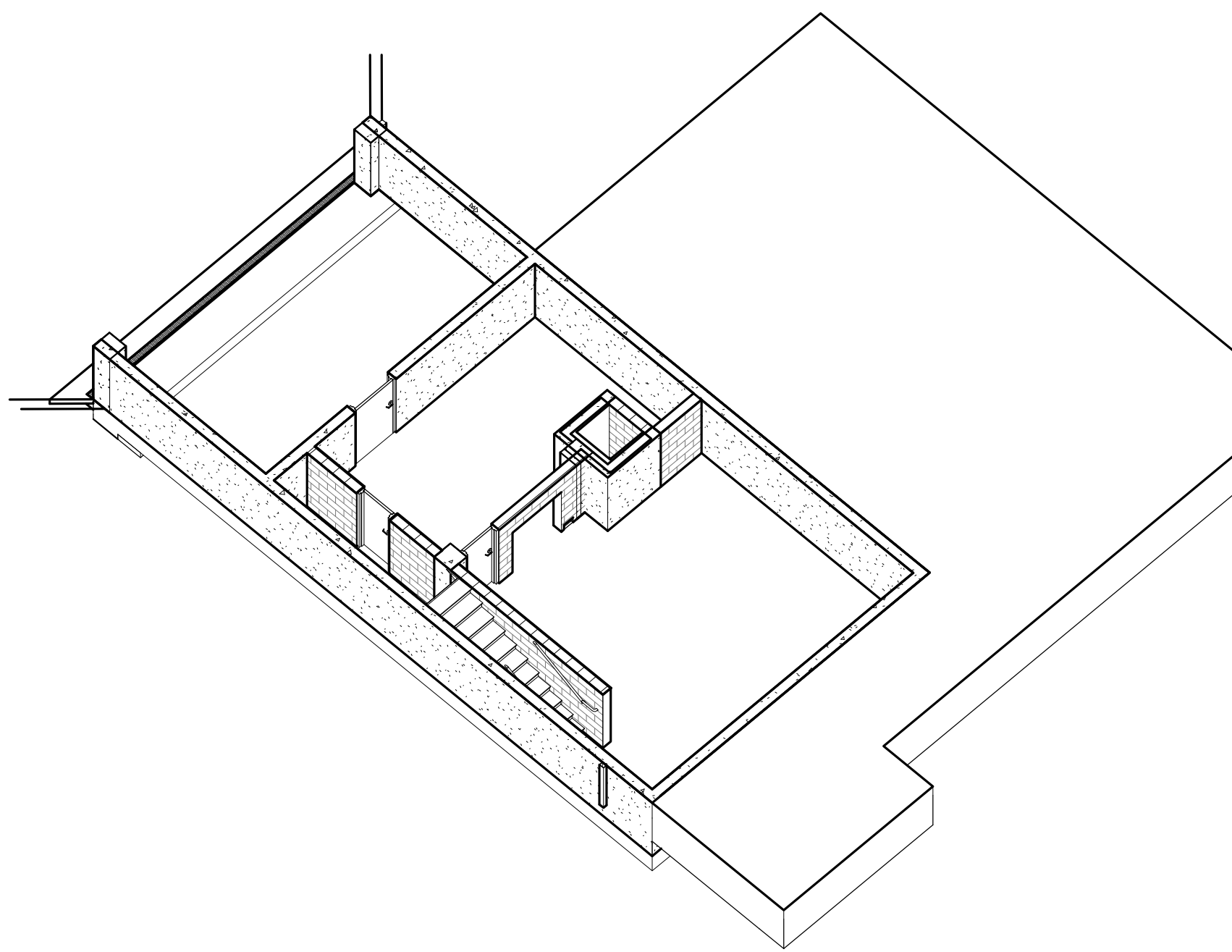
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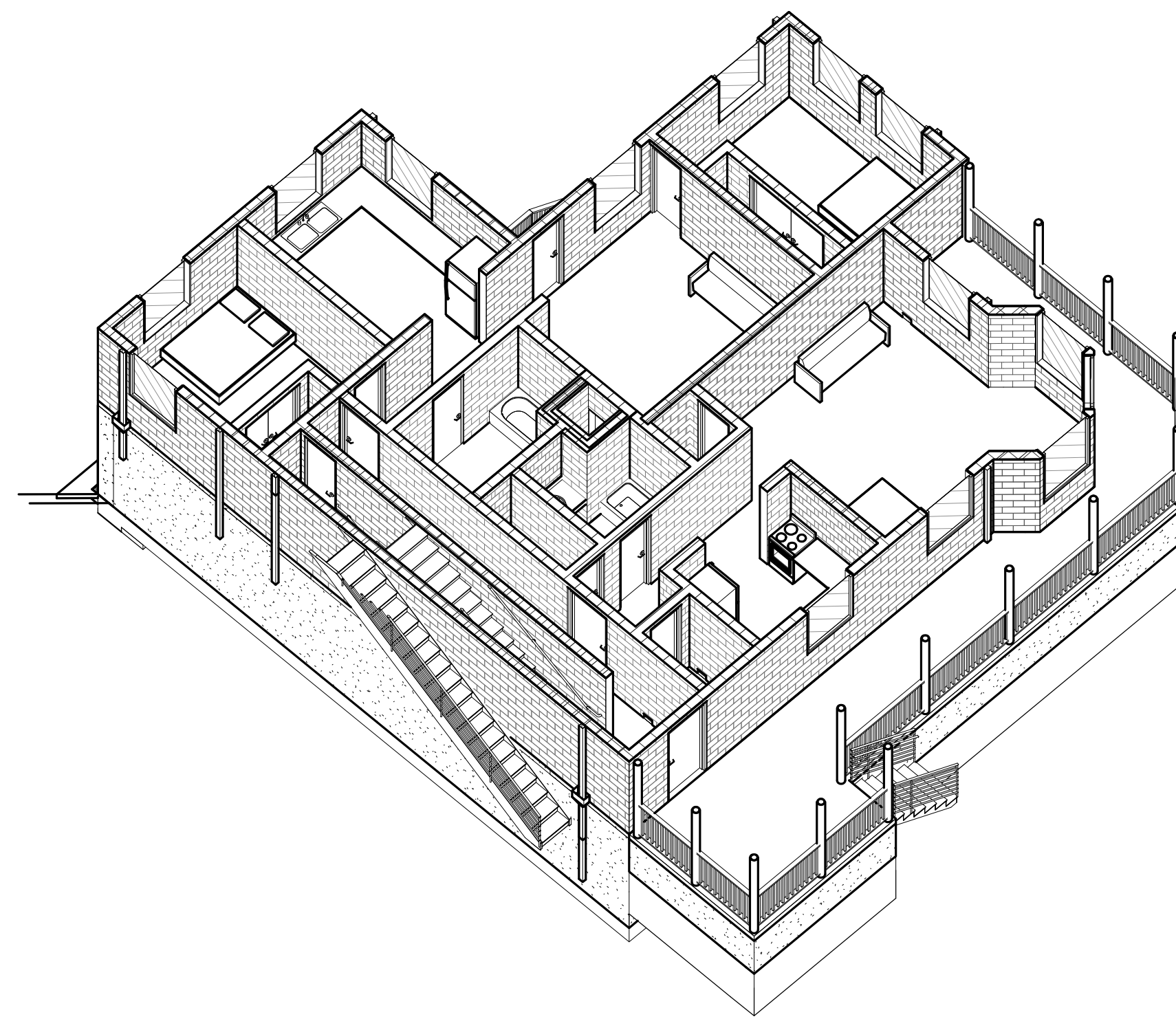
4 SOUTHWEST AXONOMETRIC



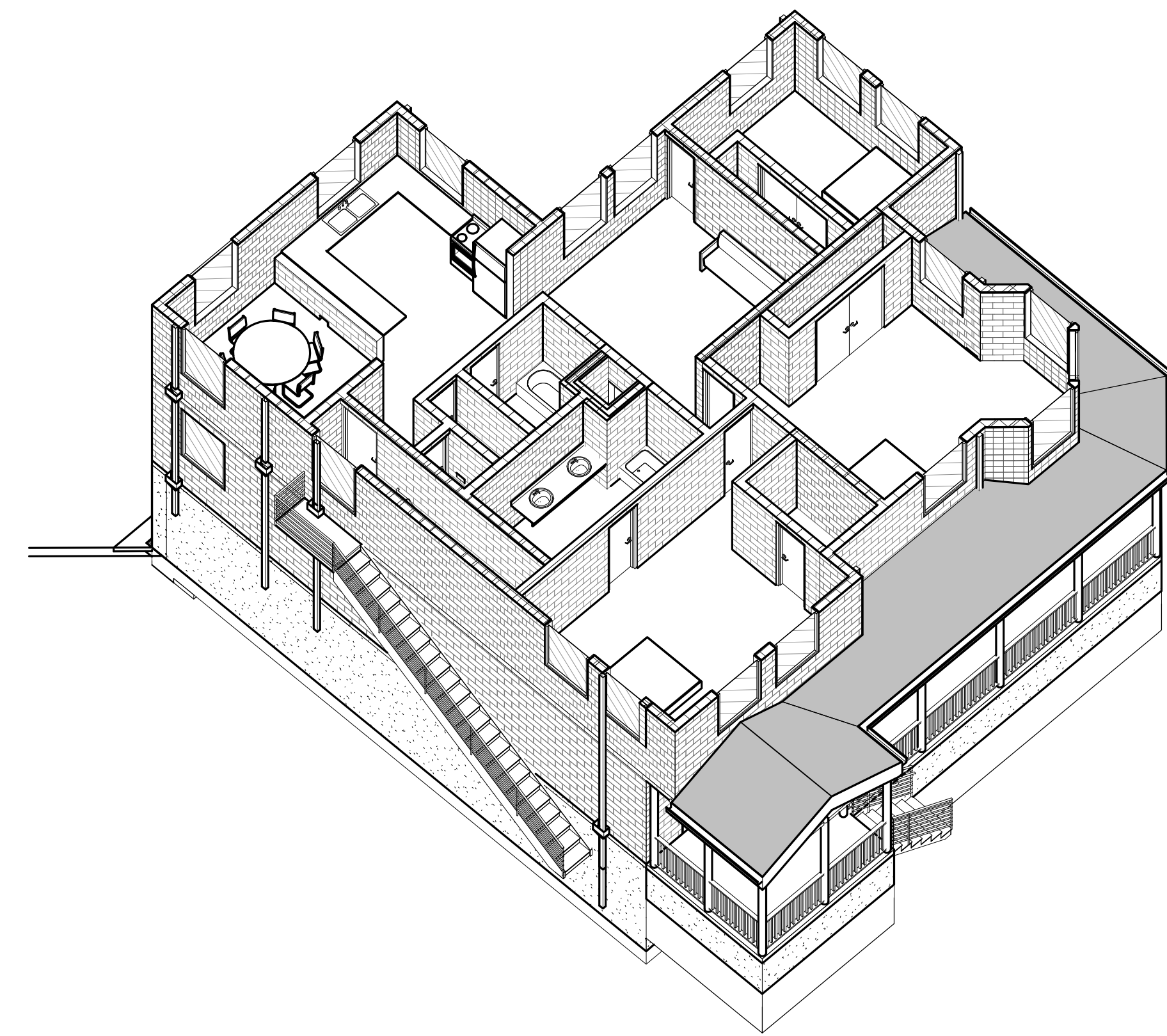
5 NORTHEAST AXONOMETRIC



1 BASEMENT AXONOMETRIC



2 FIRST FLOOR AXONOMETRIC



3 SECOND FLOOR AXONOMETRIC



GENERAL SHEET NOTES

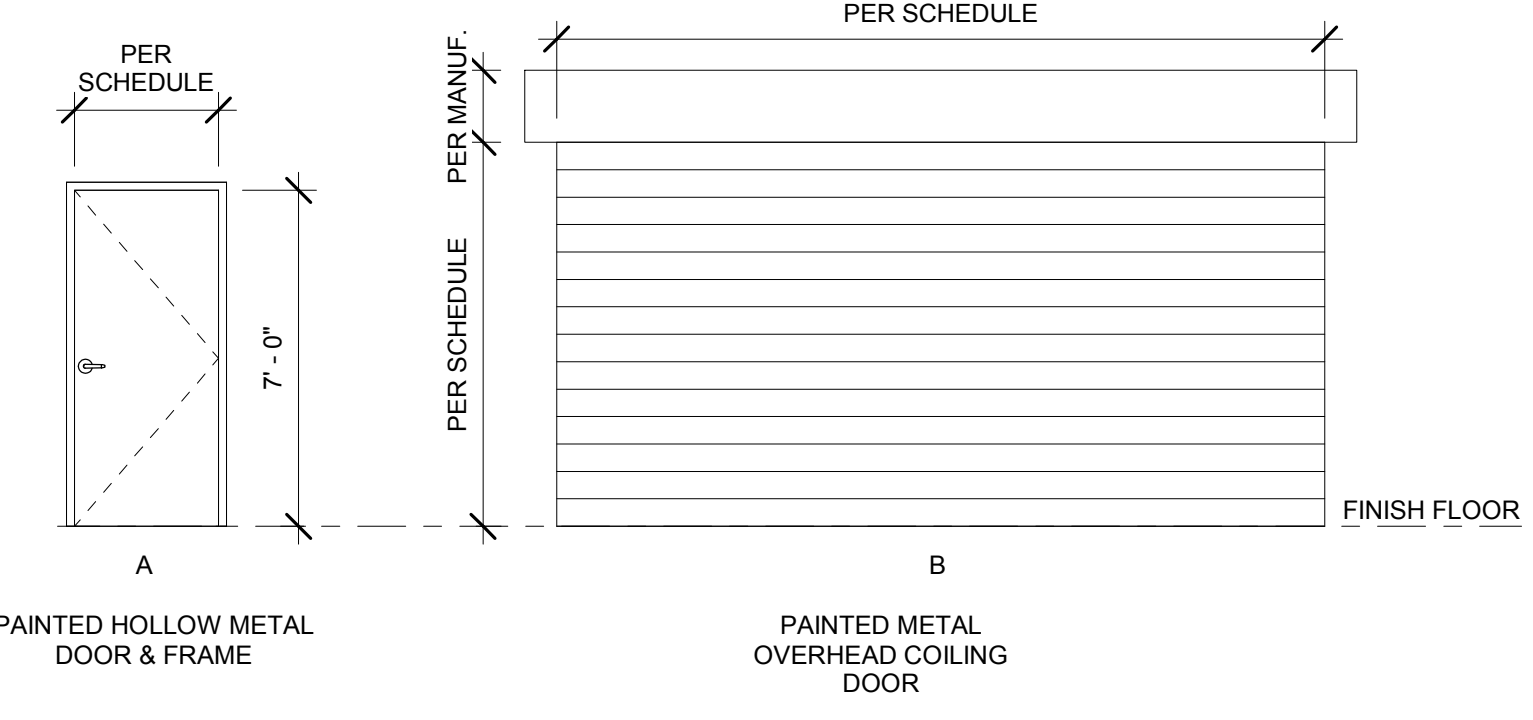
SHEET KEYNOTE LEGEND

03 30.01	PROTECTIVE CONCRETE CASING @ BASE OF STEEL COLUMN, TYPICAL U.N.O.
03 30.05	CAST-IN-PLACE (CIP) CONCRETE EXTERIOR WALLS, TYPICAL
05 10.01	PAINTED STEEL COLUMN, S.S.D.
07 40.01	PRE-FINISHED STANDING SEAM METAL ROOF PANELS, TYPICAL
07 40.02	ARROW INDICATES DOWNWARD DIRECTION OF ROOF SLOPE, TYPICAL
07 50.02	MODIFIED BITUMEN MEMBRANE ROOF OVER STRUCTURAL DECK
07 60.01	PAINTED ALUMINUM DOWNSPOUT FROM GUTTER ABOVE, SECURED TO STEEL COLUMN
07 60.02	INDICATES DOWNSPOUT LOCATION, TYPICAL
07 60.03	PAINTED ALUMINUM EAVE GUTTER
07 60.09	ROOF SCUPPER THROUGH WALL WITH DOWNSPOUT
10 10.01	WALL MOUNTED VISUAL DISPLAY BOARD
13 30.01	PORTABLE METAL BLEACHERS
26 30.01	ROOF MOUNTED PHOTOVOLTAIC PANELS, TYPICAL, S.E.D.

WALL LEGEND

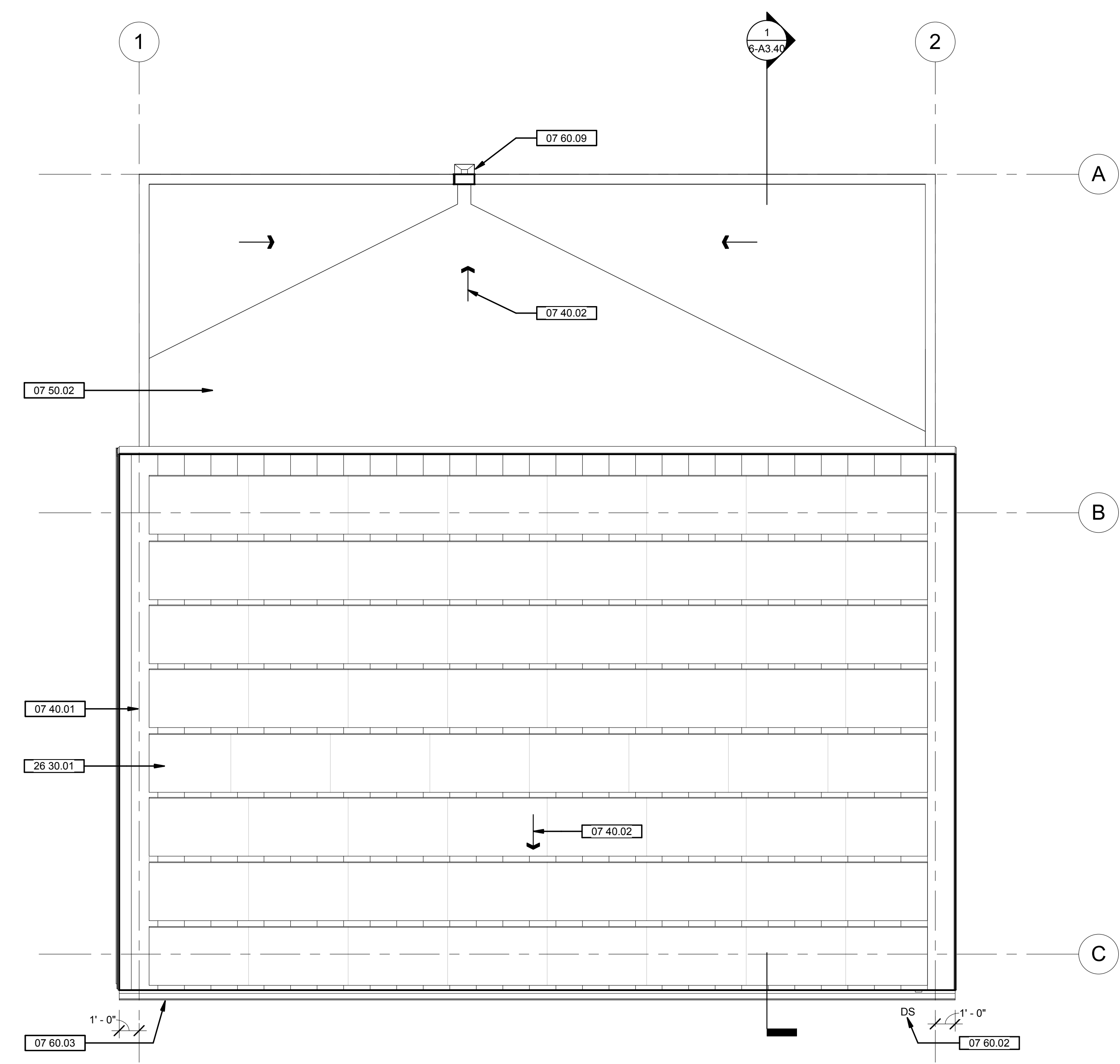
DOOR AND FRAME SCHEDULE												FIRE RATING	HARDWARE GROUP	REMARKS
TYPE	MARK	DOOR SIZE			FRAME				DETAILS					
		WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	MATERIAL	FINISH	HEAD	JAMB	SILL			
A	101A	3'-0"	7'-10"	1 3/4"	HM	FP	HM	FP				45 MIN.		
B	101B	16'-0"	8'-0"	2"	MTL	FF	MTL	FF						
A	102	3'-0"	7'-0"	1 3/4"	HM	FP	HM	FP						

DOOR TYPE ELEVATIONS

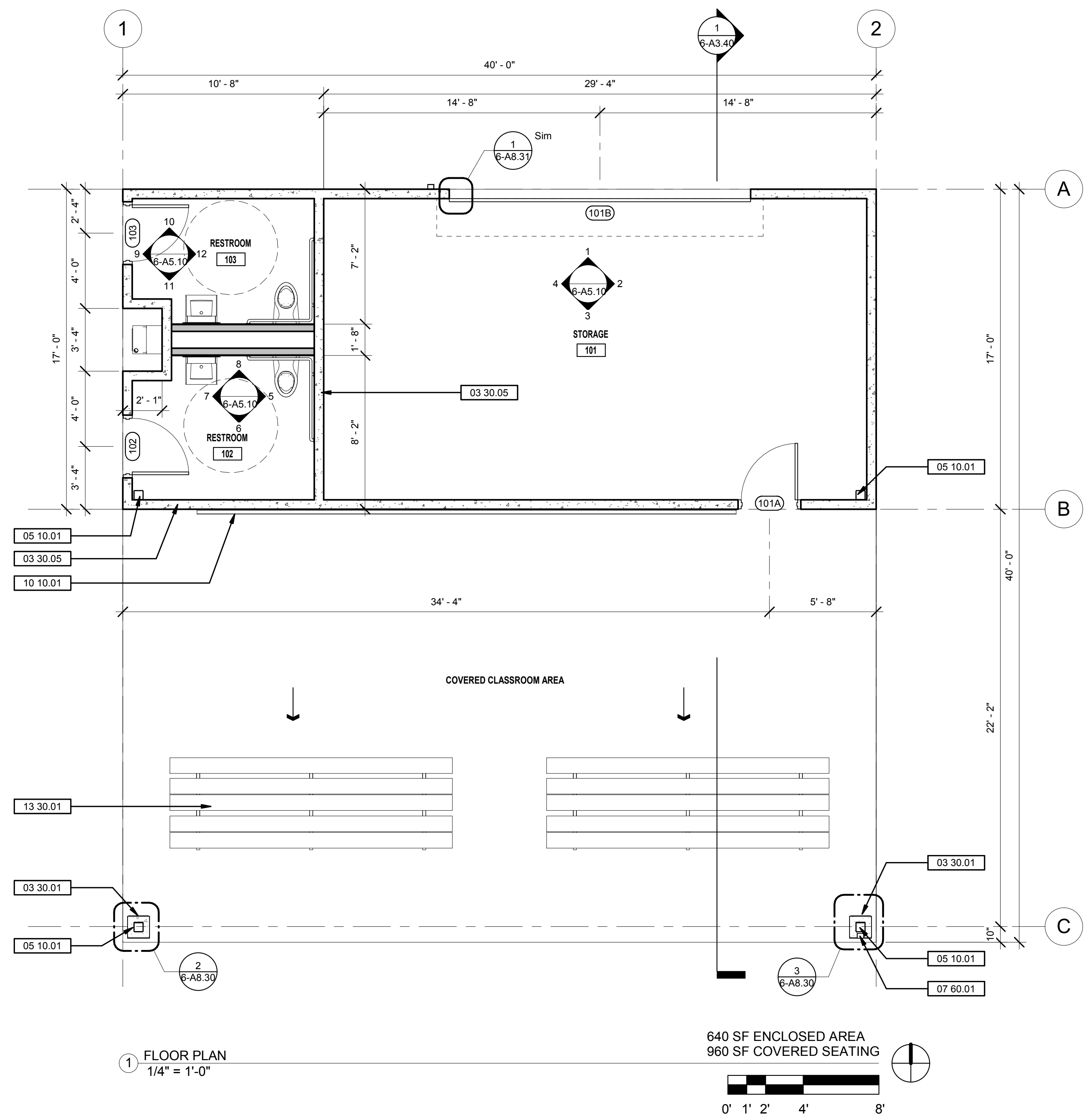


DOOR SCHEDULE LEGEND

- DOOR CONSTRUCTION:**  
 AL = ALUMINUM  
 FAB = FABRIC  
 GL = TEMPERED GLASS  
 HC = HOLLOW CORE  
 SC = SOLID CORE  
 HM = HOLLOW METAL  
 MTL = METAL
- DOOR FINISHES:**  
 ANOD = ANODIZED  
 FF = FACTORY FINISHED  
 FP = FIELD PAINT  
 FS = FIELD STAIN
- FRAME MATERIAL:**  
 AL = ALUMINUM  
 HM = HOLLOW METAL  
 MTL = METAL  
 WD = WOOD
- FRAME FINISHES:**  
 ANOD = ANODIZED  
 FF = FACTORY FINISHED  
 FP = FIELD PAINT  
 FS = FIELD STAIN



2 ROOF PLAN  
1/4" = 1'-0"



1 FLOOR PLAN  
1/4" = 1'-0"

640 SF ENCLOSED AREA  
960 SF COVERED SEATING

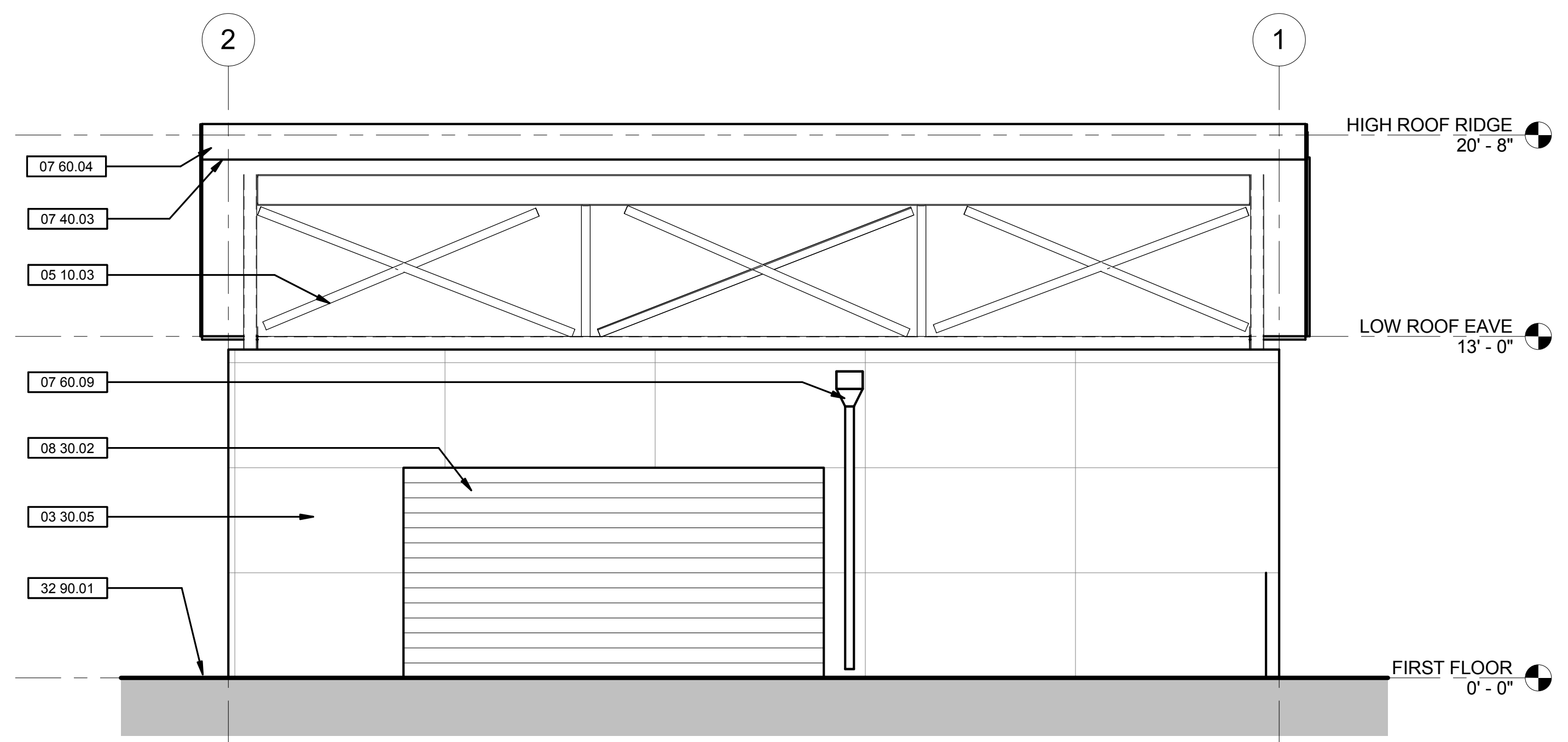


GENERAL SHEET NOTES

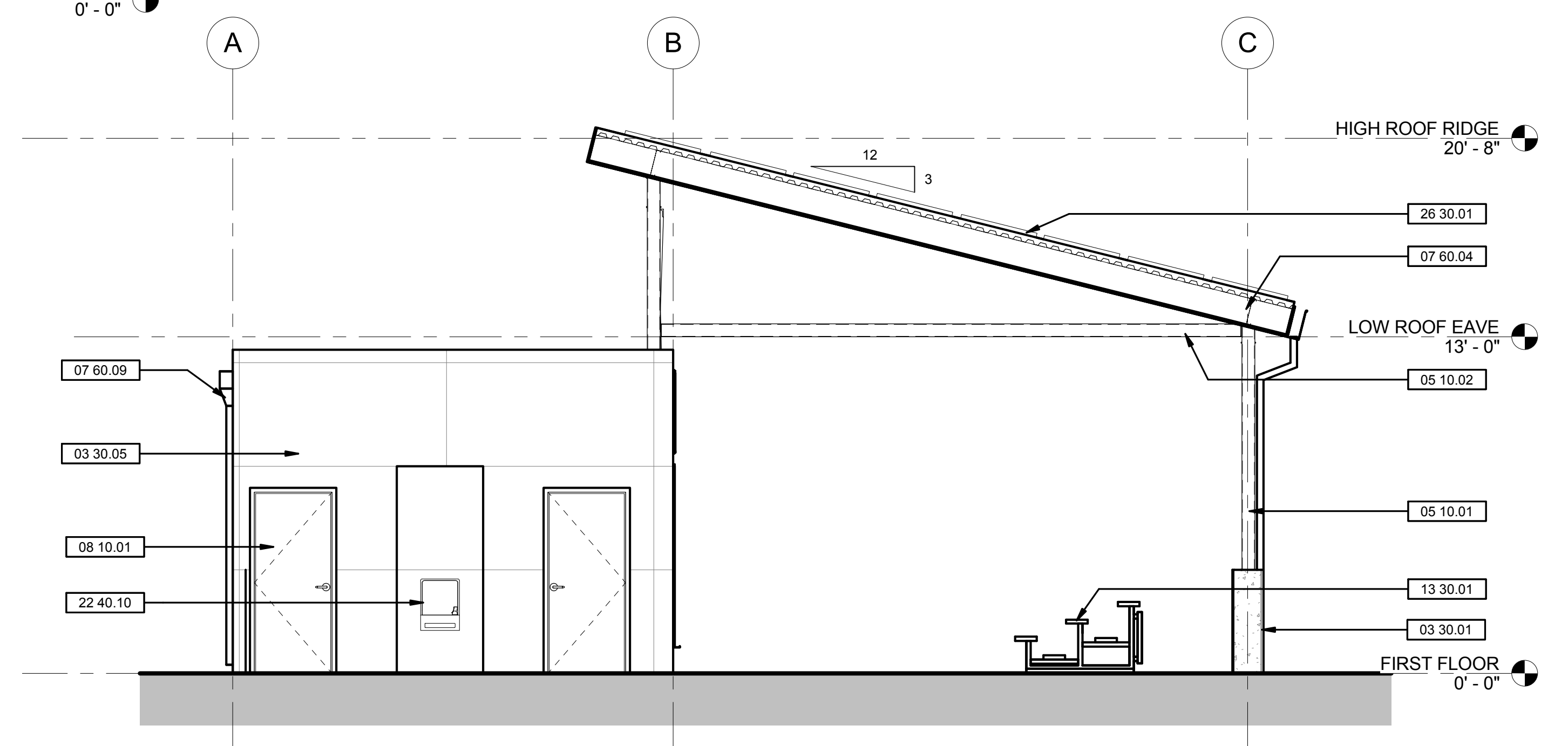
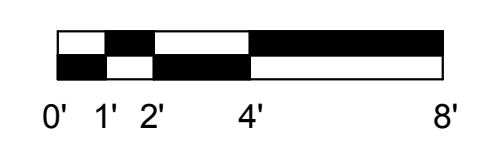
WALL LEGEND

SHEET KEYNOTE LEGEND

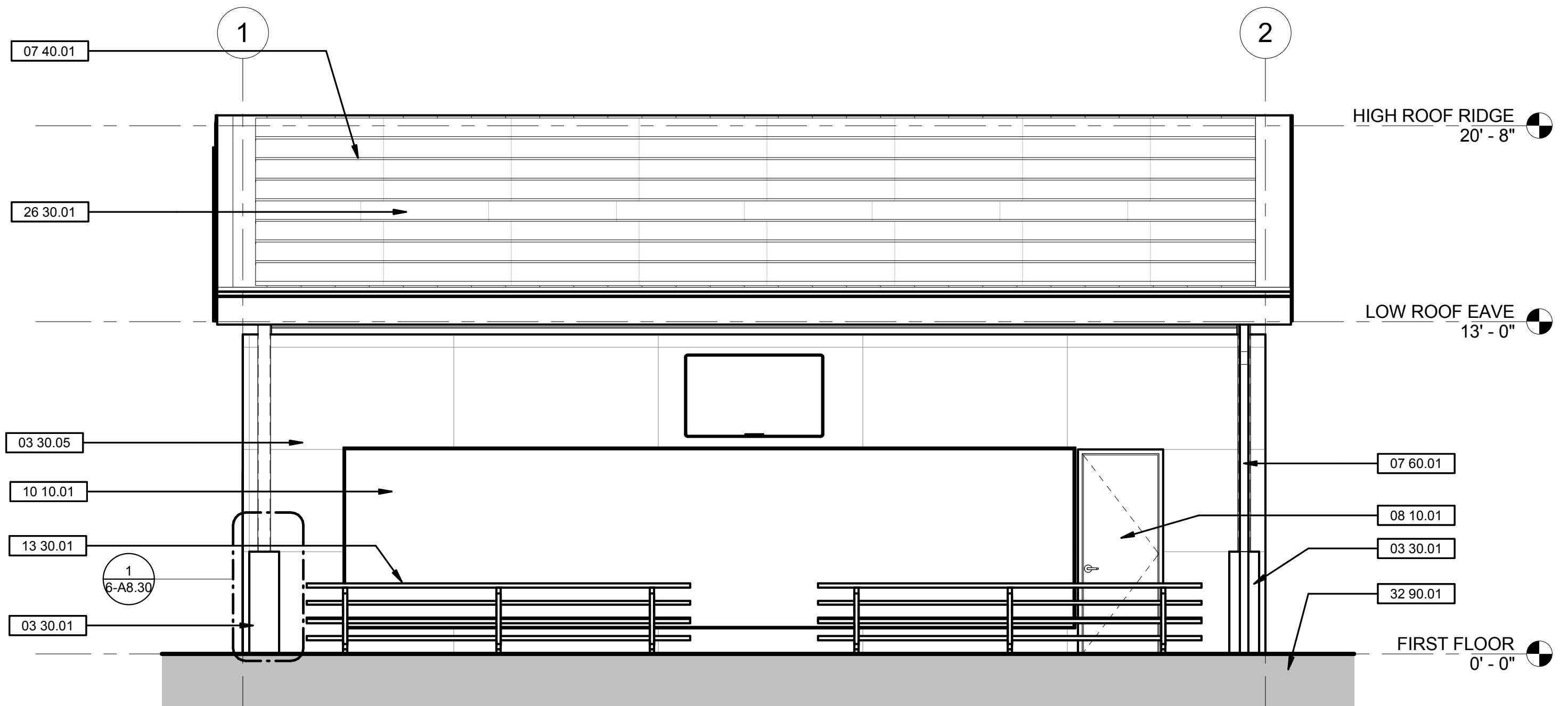
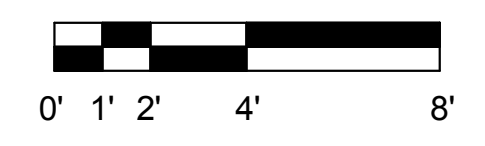
03 30.01	PROTECTIVE CONCRETE CASING @ BASE OF STEEL COLUMN, TYPICAL U.S.O.
03 30.05	CAST-IN-PLACE (CIP) CONCRETE EXTERIOR WALLS, TYPICAL
05 10.01	PAINTED STEEL COLUMN, S.S.D.
05 10.02	PAINTED STEEL BEAM, S.S.D.
05 10.03	PAINTED STEEL CROSS BRACING & CONNECTION PLATES, S.S.D.
07 40.01	PRE-FINISHED STANDING SEAM METAL ROOF PANELS, TYPICAL
07 40.03	PRE-FINISHED METAL SOFFIT PANELS, TYPICAL
07 60.01	PAINTED ALUMINUM DOWNSPOUT FROM GUTTER ABOVE, SECURED TO STEEL COLUMN
07 60.04	PAINTED ALUMINUM FASCIA TRIM
07 60.09	ROOF SCUPPER THROUGH WALL WITH DOWNSPOUT
08 10.01	PAINTED HOLLOW METAL DOOR & FRAME
08 30.02	PAINTED METAL OVERHEAD COILING DOOR
10 10.01	WALL-MOUNTED VISUAL DISPLAY BOARD
13 30.01	PORTABLE METAL BLEACHERS
22 40.10	DRINKING FOUNTAIN WITH BOTTLE FILLER, S.P.D. AND SEE A0.01 FOR MOUNTING REQUIREMENTS
26 30.01	ROOF-MOUNTED PHOTOVOLTAIC PANELS, TYPICAL, S.E.D.
32 90.01	LANDSCAPE AREA, SEE CIVIL AND LANDSCAPE DRAWINGS



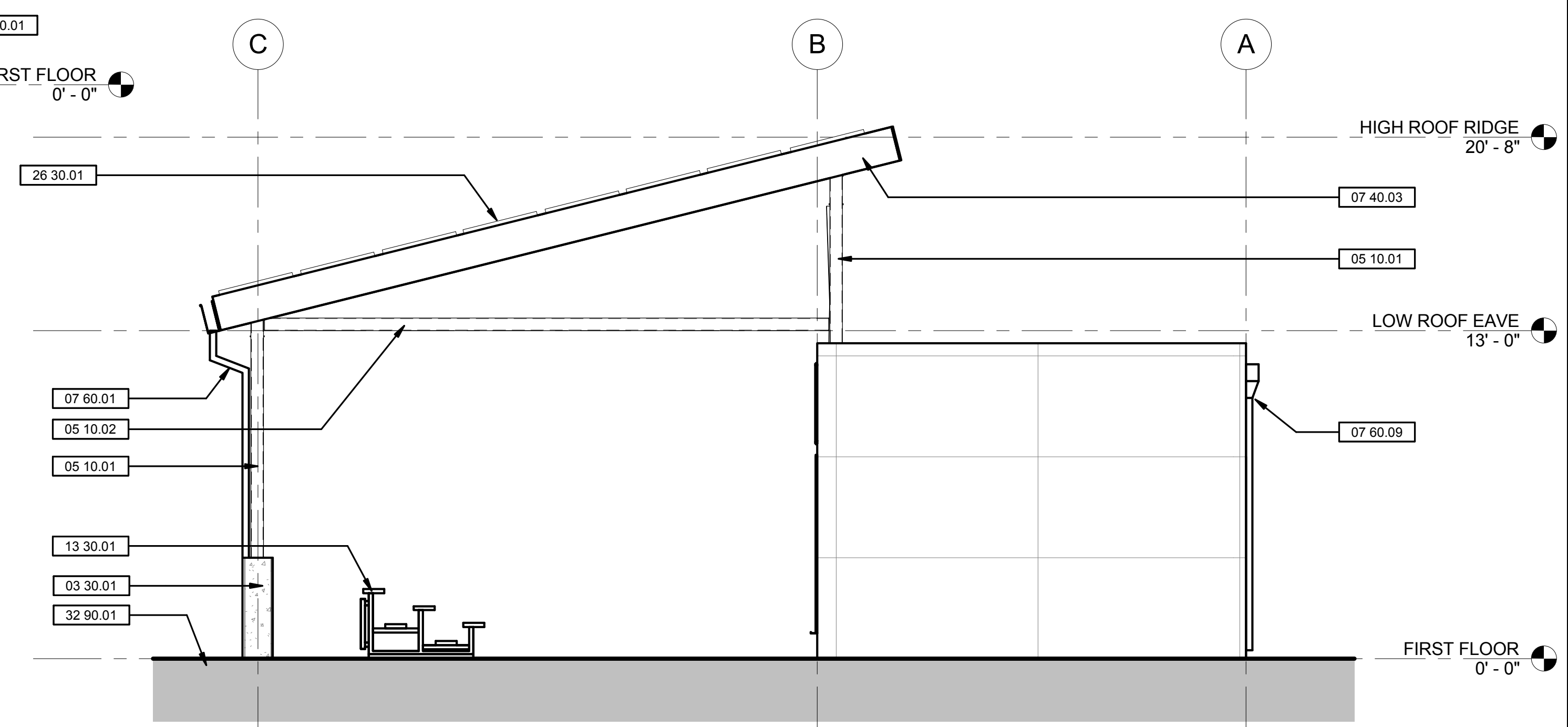
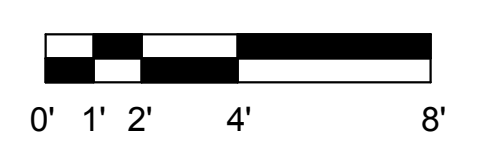
1 NORTH EXTERIOR ELEVATION  
1/4" = 1'-0"



2 WEST EXTERIOR ELEVATION  
1/4" = 1'-0"



3 SOUTH EXTERIOR ELEVATION  
1/4" = 1'-0"



4 EAST EXTERIOR ELEVATION  
1/4" = 1'-0"



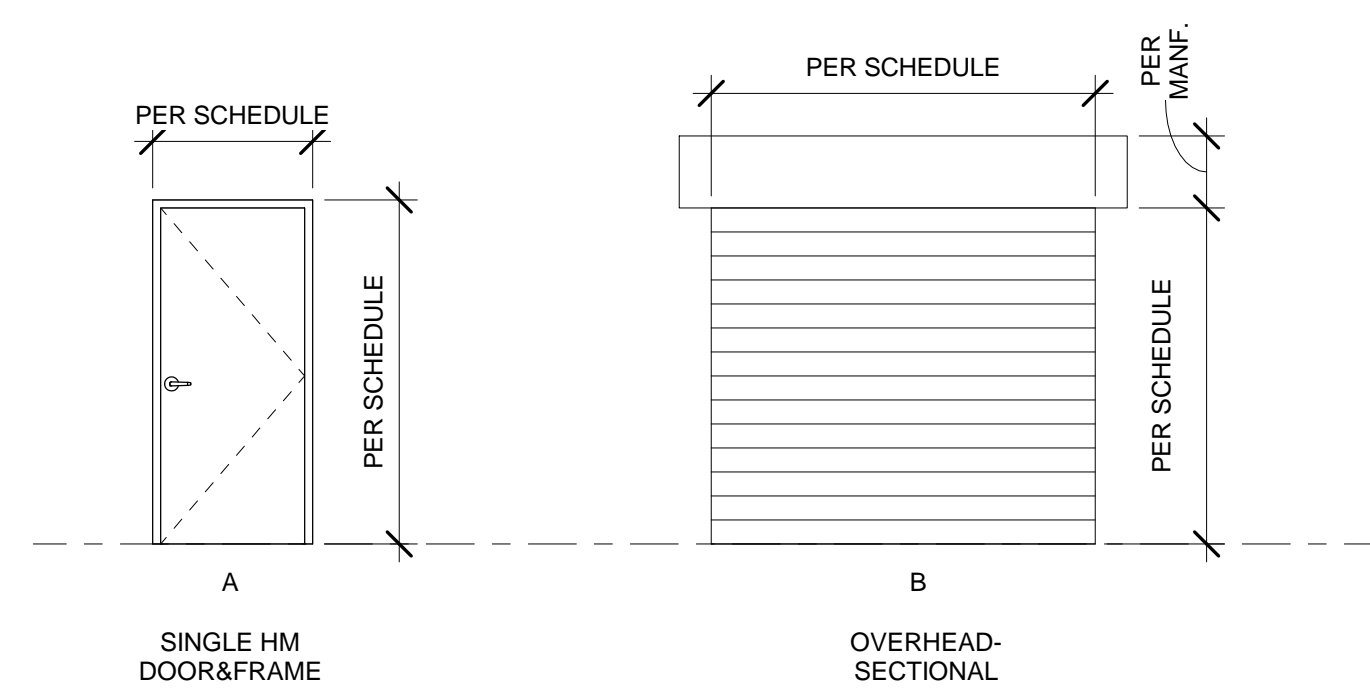


**GENERAL SHEET NOTES**

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DOOR AND FRAME SCHEDULE													
DOOR TYPE	MARK	ROOM NAME	DOOR				FRAME			FIRE RATING	HARDWARE GROUP	REMARKS	
			WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	MATERIAL	FINISH				
A	101	EQUIPMENT SPACE	3'-0"	7'-0"	1 3/4"	HM	FP	HM	FP				
A	102.1	TRAINING SPACE	3'-0"	7'-0"	1 3/4"	HM	FP	HM	FP				
B	102.2	TRAINING SPACE	8'-0"	7'-0"	2"	MTL	FF	MTL	FF				

**DOOR TYPE ELEVATIONS**



**DOOR SCHEDULE LEGEND**

- DOOR CONSTRUCTION:**  
 AL = ALUMINUM  
 FAB = FABRIC  
 GL = TEMPERED GLASS  
 HC = HOLLOW CORE  
 SC = SOLID CORE  
 HM = HOLLOW METAL  
 MTL = METAL
- DOOR FINISHES:**  
 ANOD = ANODIZED  
 FF = FACTORY FINISHED  
 FP = FIELD PAINT  
 FS = FIELD STAIN
- FRAME MATERIAL:**  
 AL = ALUMINUM  
 HM = HOLLOW METAL  
 MTL = METAL  
 WD = WOOD
- FRAME FINISHES:**  
 ANOD = ANODIZED  
 FF = FACTORY FINISHED  
 FP = FIELD PAINT  
 FS = FIELD STAIN

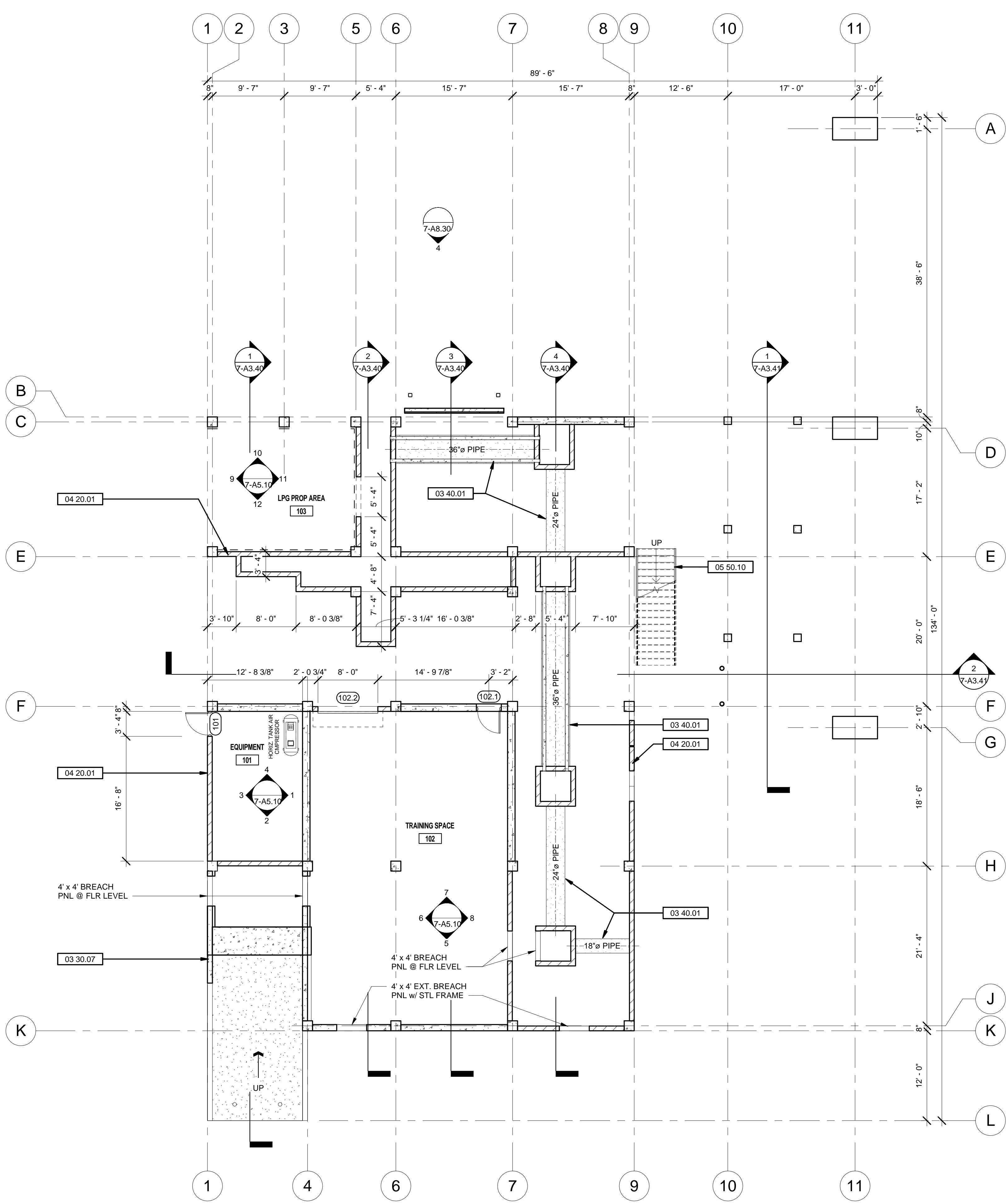
**WALL LEGEND**

**SHEET KEYNOTE LEGEND**

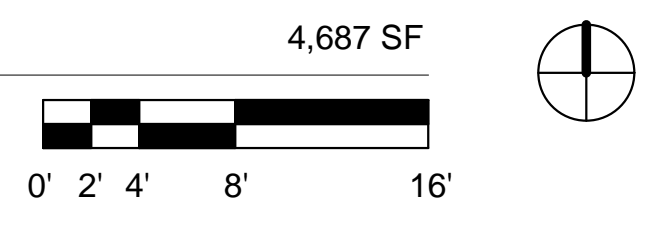
03 30.07	CAST-IN-PLACE CONCRETE WALL, S.S.D.
03 40.01	HORIZONTAL PRECAST CONCRETE PIPE IN NOTED DIAMETER TO PENETRATE THROUGH CMU WALL AT EACH END
04 20.01	SMOOTH CMU WALLS, S.S.D.
05 50.10	PRE-ENGINEERED AND FABRICATED METAL STAIR WITH HANDRAIL EACH SIDE

**REVISIONS**

No.	Description	Date
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**1 FIRST LEVEL FLOOR PLAN**  
1/8" = 1'-0"





**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**

1401 W. WINTON AVE.  
HAYWARD, CA 94545

REVISIONS

No.	Description	Date

PLANNING SPR  
RESUBMITTAL

Sheet Title  
**BUILDING 7  
SECOND FLOOR PLAN**

Drawn By: EW Checked By: EW

Scale:  
1/8" = 1'-0"

Date:  
February 1, 2018

Project No.: 2016039

**7-A2.20**  
Drawing No.

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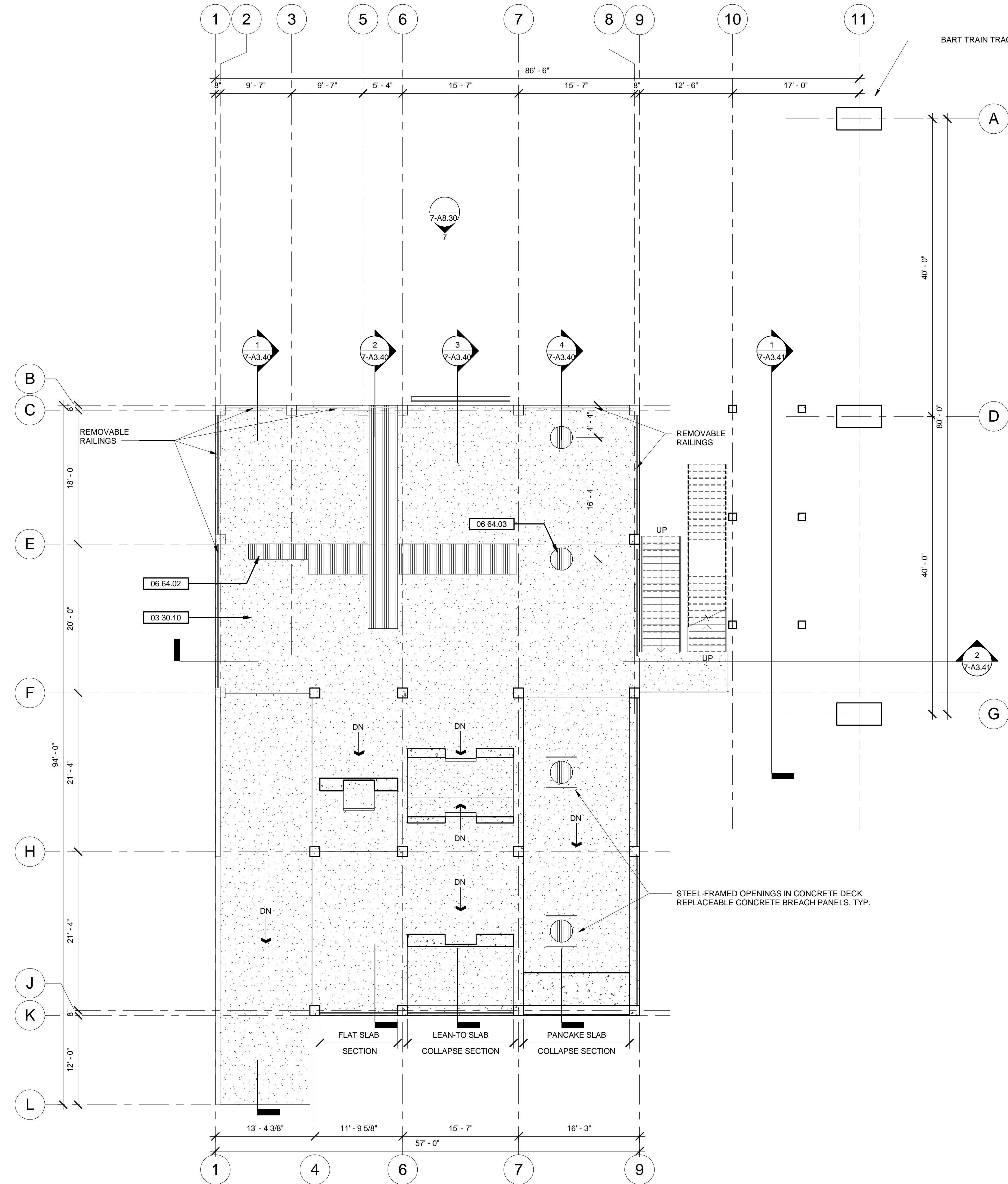
GENERAL SHEET NOTES

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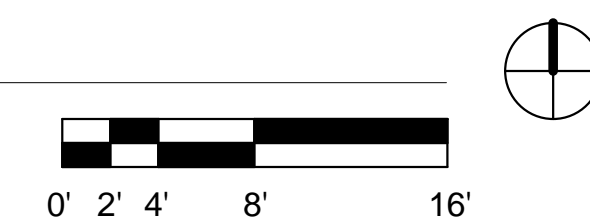
WALL LEGEND

SHEET KEYNOTE LEGEND

03 30.10	CONCRETE FLOOR SLAB, S.S.D.
03 30.11	CAST-IN-PLACE CONCRETE COLUMN, S.S.D.
06 64.02	REMOVEABLE FIBERGLASS GRATE SECTIONS ON STEEL ANGLE SUPPORT LEDGER
06 64.03	36-INCH DIAMETER REMOVEABLE FIBERGLASS GRATE SECTION CENTERED ON CHASE BELOW



1 SECOND LEVEL FLOOR PLAN  
1/8" = 1'-0"



PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.



**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**

1401 W. WINTON AVE.  
HAYWARD, CA 94545

REVISIONS		
No.	Description	Date

PLANNING SPR  
RESUBMITTAL

Sheet Title  
**BUILDING 7  
THIRD FLOOR PLAN**

Drawn By: EW      Checked By: EW

Scale:  
**1/8" = 1'-0"**

Date:  
**February 1, 2018**

Project No.: 2016039

**7-A2.30**  
Drawing No.

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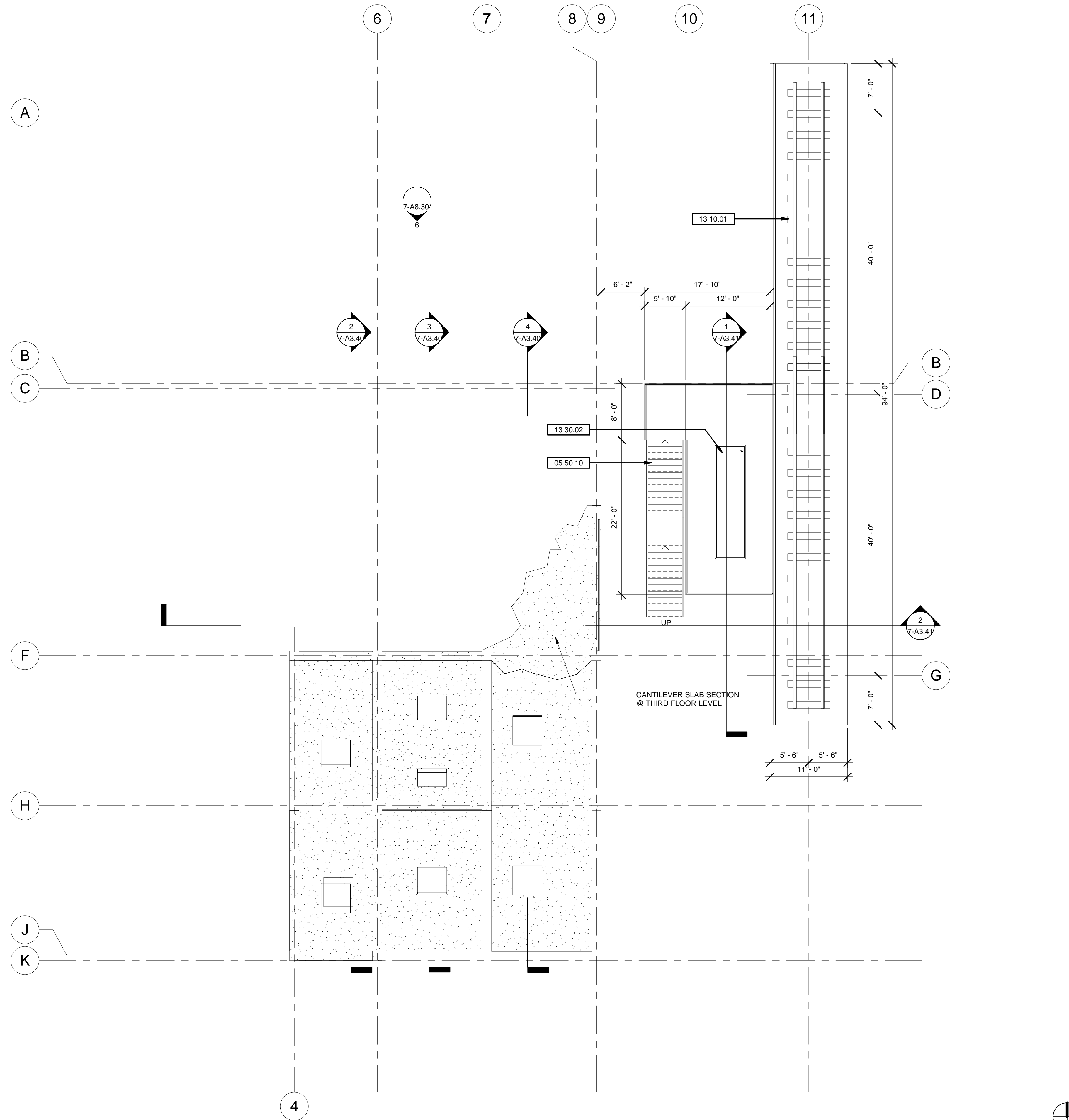
**GENERAL SHEET NOTES**

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**WALL LEGEND**

**SHEET KEYNOTE LEGEND**

05 50.10	PRE-ENGINEERED AND FABRICATED METAL STAIR WITH HANDRAIL EACH SIDE
13 10.01	BART RAIL TRACK WITH NON-ELECTRIFIED THIRD RAIL SUPPORTED ON ELEVATED STRUCTURE
13 30.02	PRE-MANUFACTURED 3-SIDED TRANSIT PASSENGER SHELTER WITH SOLID ROOF, GLAZED SIDES, AND INTERNAL BENCH



1 THIRD LEVEL FLOOR PLAN  
1/8" = 1'-0"

PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.



**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**

1401 W. WINTON AVE.  
HAYWARD, CA 94545

REVISIONS		
No.	Description	Date

**PLANNING SPR RESUBMITTAL**

**BUILDING 7 EXTERIOR ELEVATIONS**

Drawn By: EW  
Checked By: EW  
Scale: 1/8" = 1'-0"  
Date: February 1, 2018  
Project No.: 2016039

**7-A3.10**  
Drawing No.

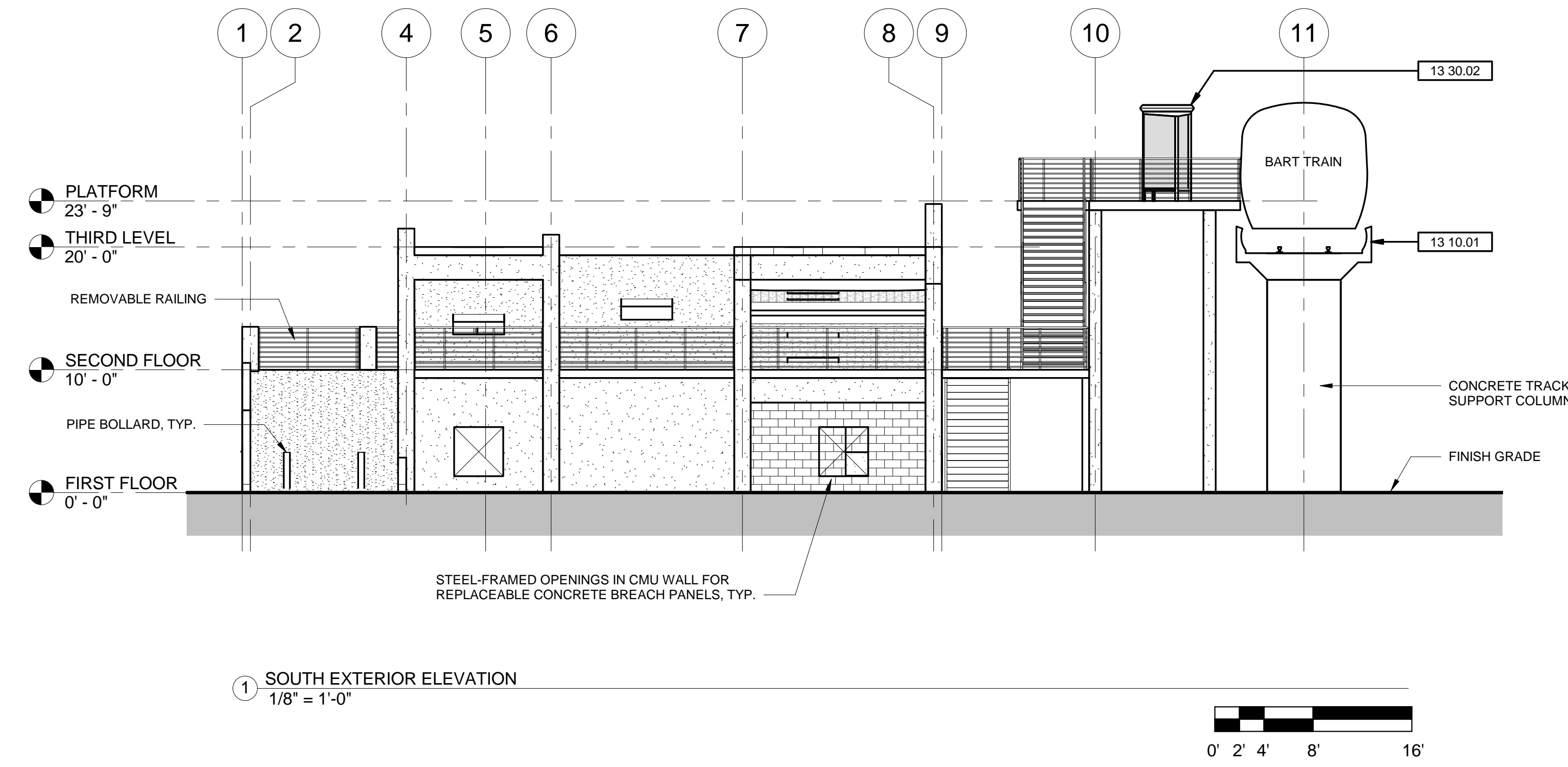
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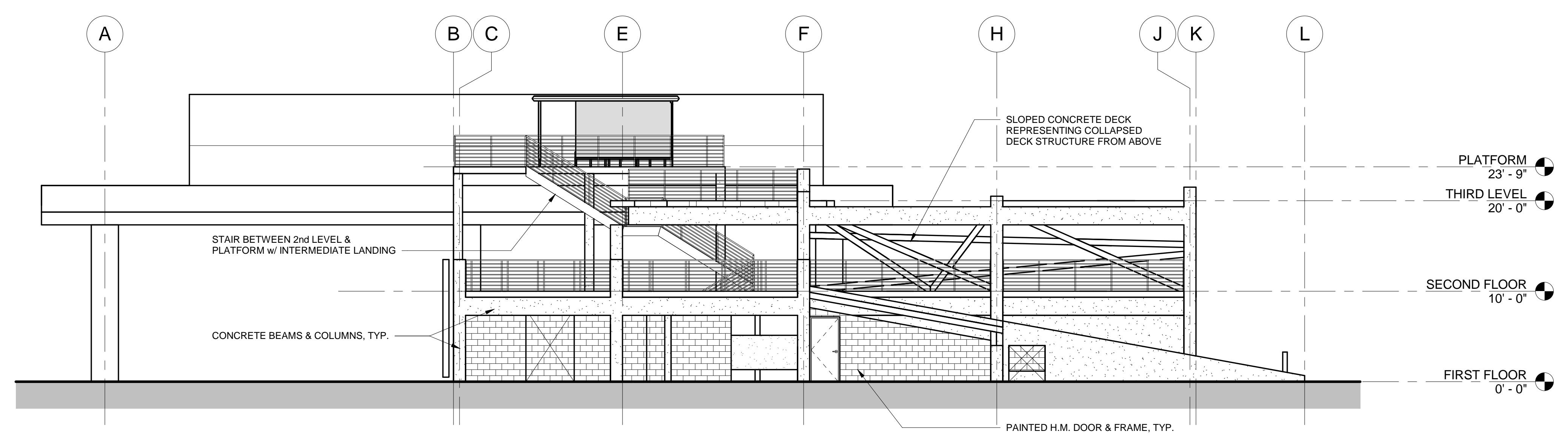
**WALL LEGEND**

**SHEET KEYNOTE LEGEND**

13.10.01	BART RAIL TRACK WITH NON-ELECTRIFIED THIRD RAIL SUPPORTED ON ELEVATED STRUCTURE
13.30.02	PRE-MANUFACTURED 3-SIDED TRANSIT PASSENGER SHELTER WITH SOLID ROOF, GLAZED SIDES, AND INTERNAL BENCH



① SOUTH EXTERIOR ELEVATION  
1/8" = 1'-0"



② WEST EXTERIOR ELEVATION  
1/8" = 1'-0"



**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**

1401 W. WINTON AVE.  
HAYWARD, CA 94545

REVISIONS

No.	Description	Date

PLANNING SPR  
RESUBMITTAL

Sheet Title  
**BUILDING 7  
EXTERIOR ELEVATIONS**

Drawn By: EW      Checked By: EW

Scale:  
1/8" = 1'-0"

Date:  
February 1, 2018

Project No.: 2016039

**7-A3.11**  
Drawing No.

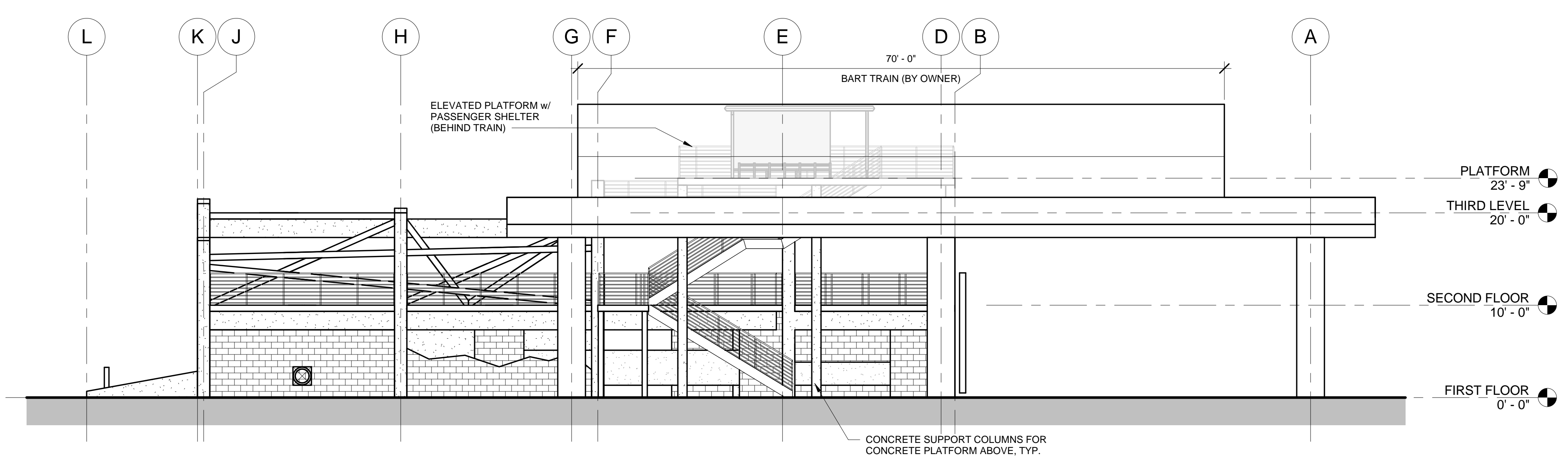
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GENERAL SHEET NOTES

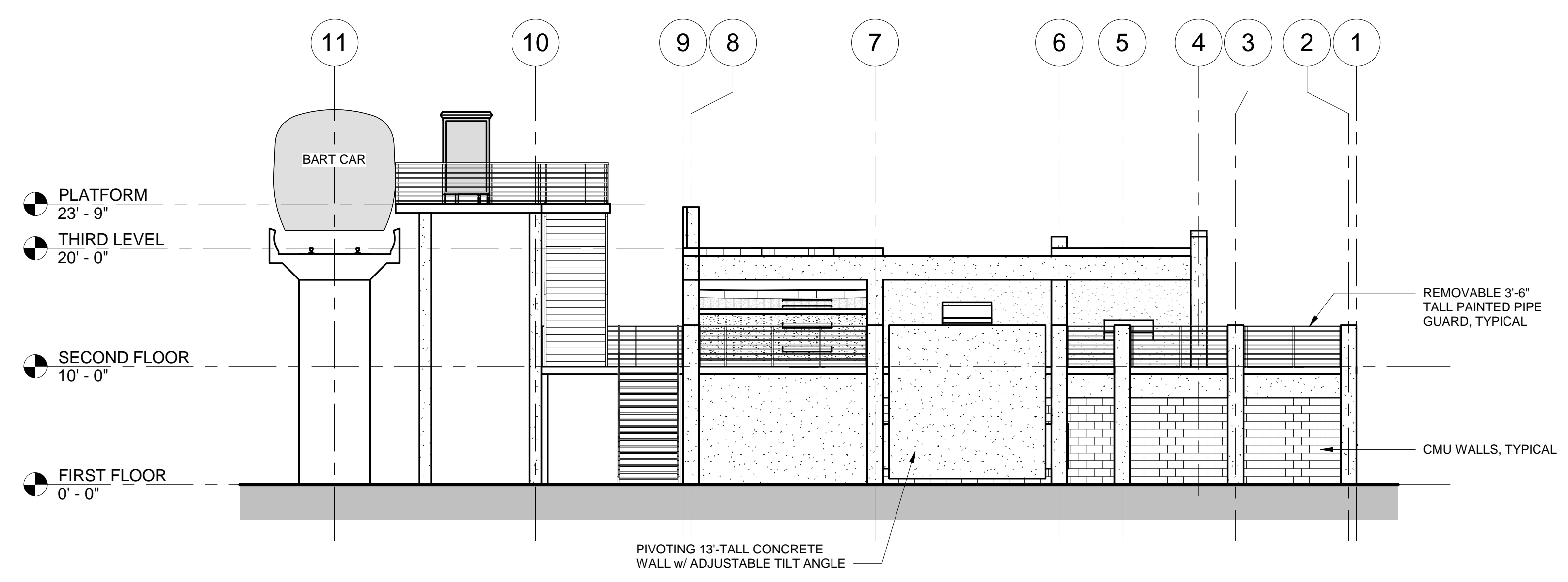
1. THIS STRUCTURE IS A NON-OCCUPIED STRUCTURE USED FOR THE SOLE PURPOSE OF TRAINING ABLE-BODIED FIRE DEPARTMENT AND LAW ENFORCEMENT PERSONNEL. THIS STRUCTURE IS NOT DESIGNED TO ACCOMMODATE THE GENERAL PUBLIC AND AS SUCH IS NOT DESIGNED IN CONFORMANCE WITH ACCESS AND BUILDING CODES FOR CIRCULATION, EXITING, OR LIFE SAFETY.

WALL LEGEND

SHEET KEYNOTE LEGEND



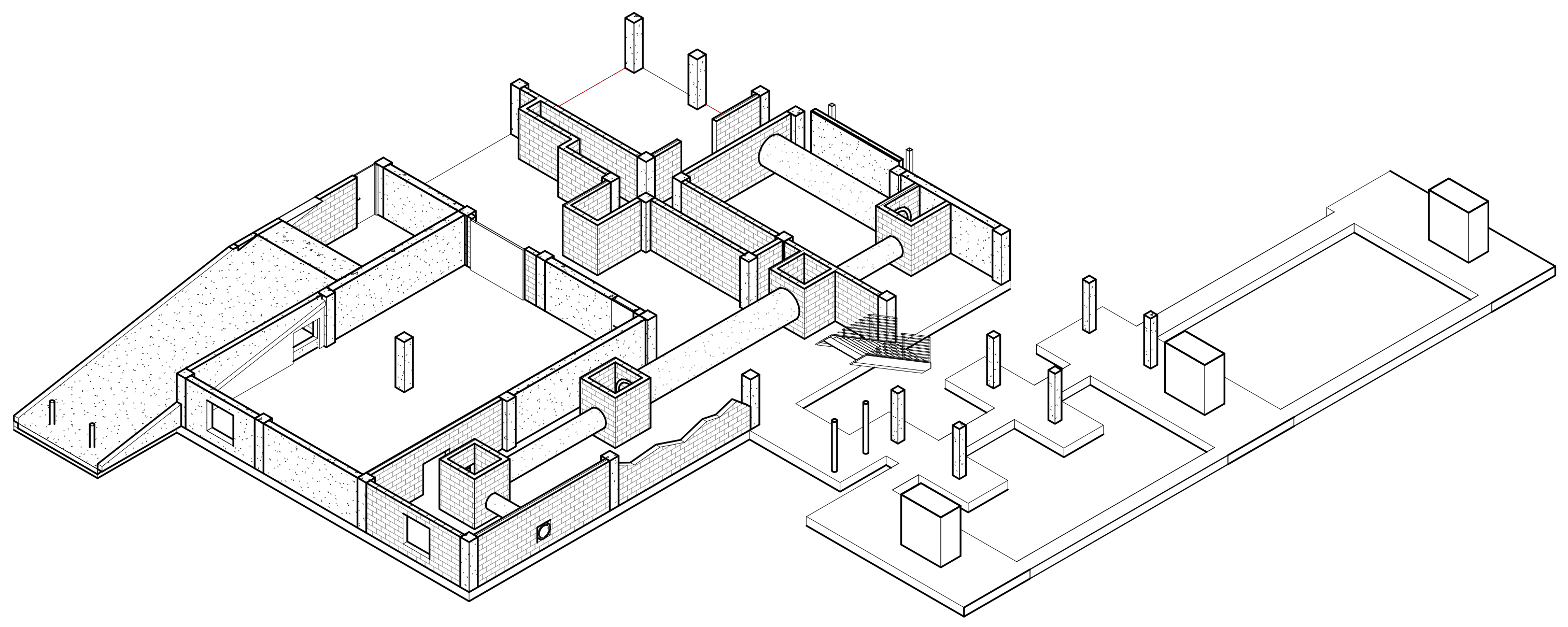
1 EAST EXTERIOR ELEVATION  
1/8" = 1'-0"



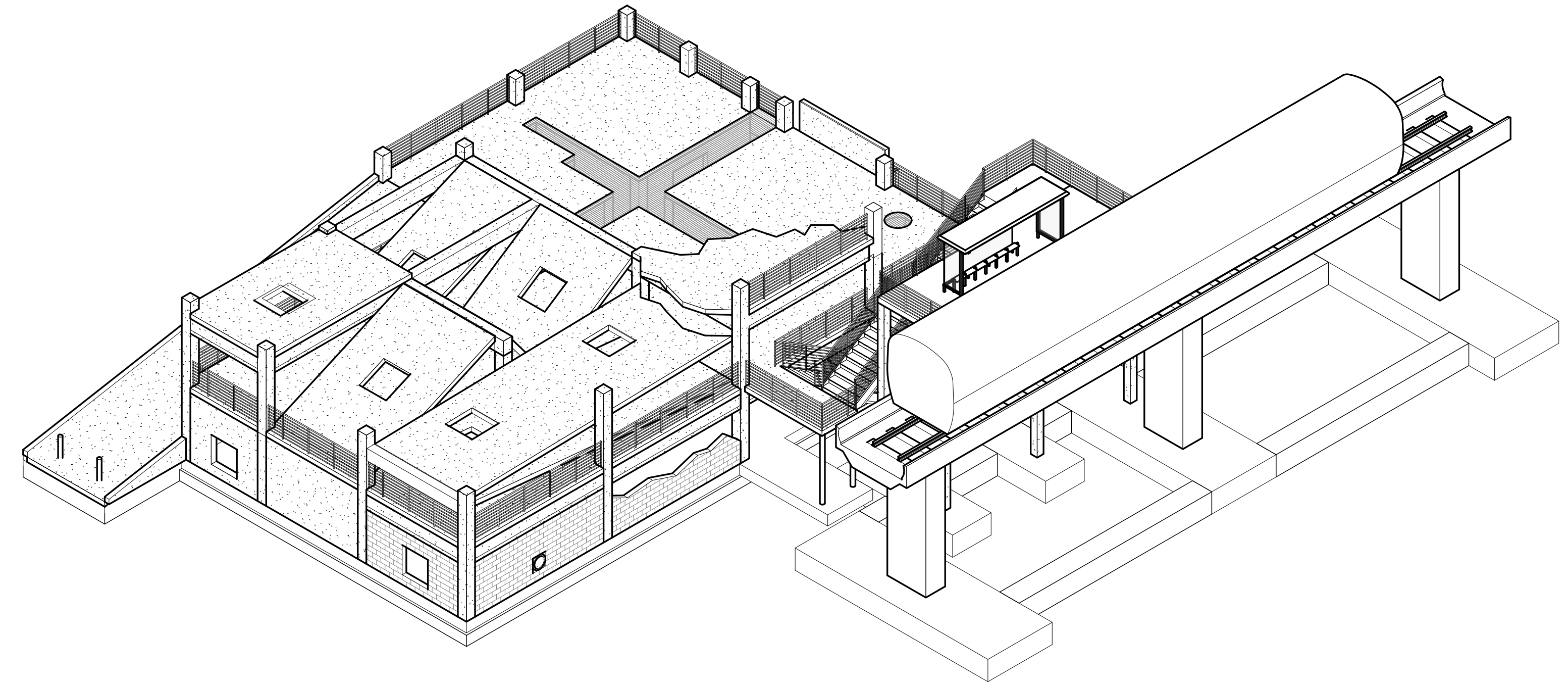
2 NORTH EXTERIOR ELEVATION  
1/8" = 1'-0"



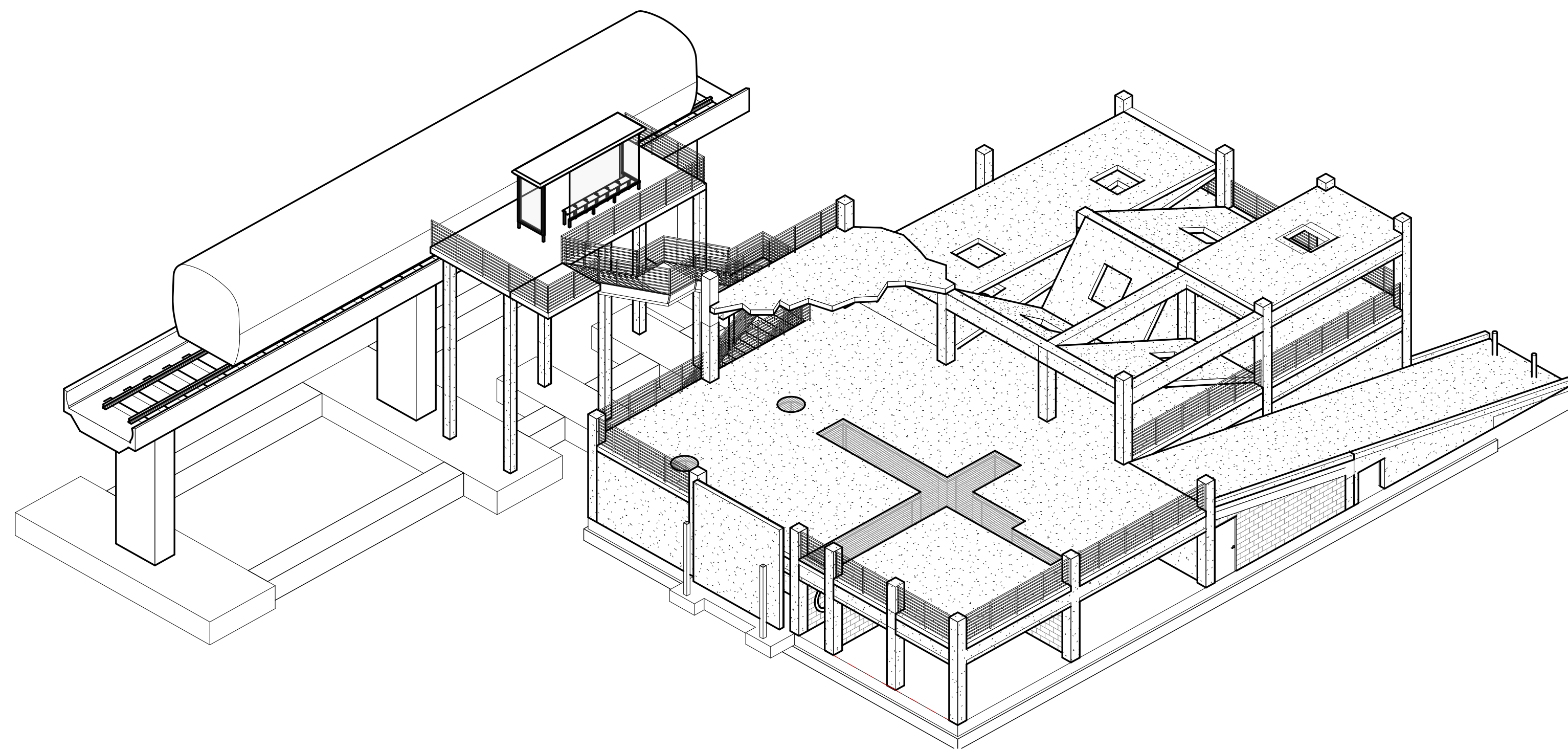




1 FIRST FLOOR AXONOMETRIC



2 SOUTHWEST AXONOMETRIC VIEW



3 NORTHEAST AXONOMETRIC VIEW

**HAYWARD FIRE  
STATION #6 & FIRE  
TRAINING CENTER**

1401 W. WINTON AVE.  
HAYWARD, CA 94545

No.	Description	REVISIONS	
		Date	

PLANNING SPR  
RESUBMITTAL

Sheet Title  
**BUILDING 7  
AXONOMETRIC VIEWS**

Drawn By: EW Checked By: EW

Scale:

Date:  
February 1, 2018

Project No.: 2016039

**7-A3.12**  
Drawing No.



GENERAL SHEET NOTES

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WALL LEGEND

SHEET KEYNOTE LEGEND

07 60.06	ALUMINUM DOWNSPOUT WITH COLLECTOR HEAD AT CLEAN-OUT SCUPPER LOCATION, TYPICAL
07 60.07	PAINTED ALUMINUM DOWNSPOUT FROM GUTTER ABOVE
08 30.02	PAINTED METAL OVER-HEAD CEILING DOOR
12 30.01	CONCRETE COUNTERTOP AT +36" A.F.F. WITH CMU SUPPORT WALLS BELOW

HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER

1401 W. WINTON AVE.  
HAYWARD, CA 94545

REVISIONS

No.	Description	Date

PLANNING SPR RESUBMITTAL

BUILDING 8  
FIRST LEVEL FLOOR PLAN

Drawn By: MM Checked By: EW

Scale: As indicated

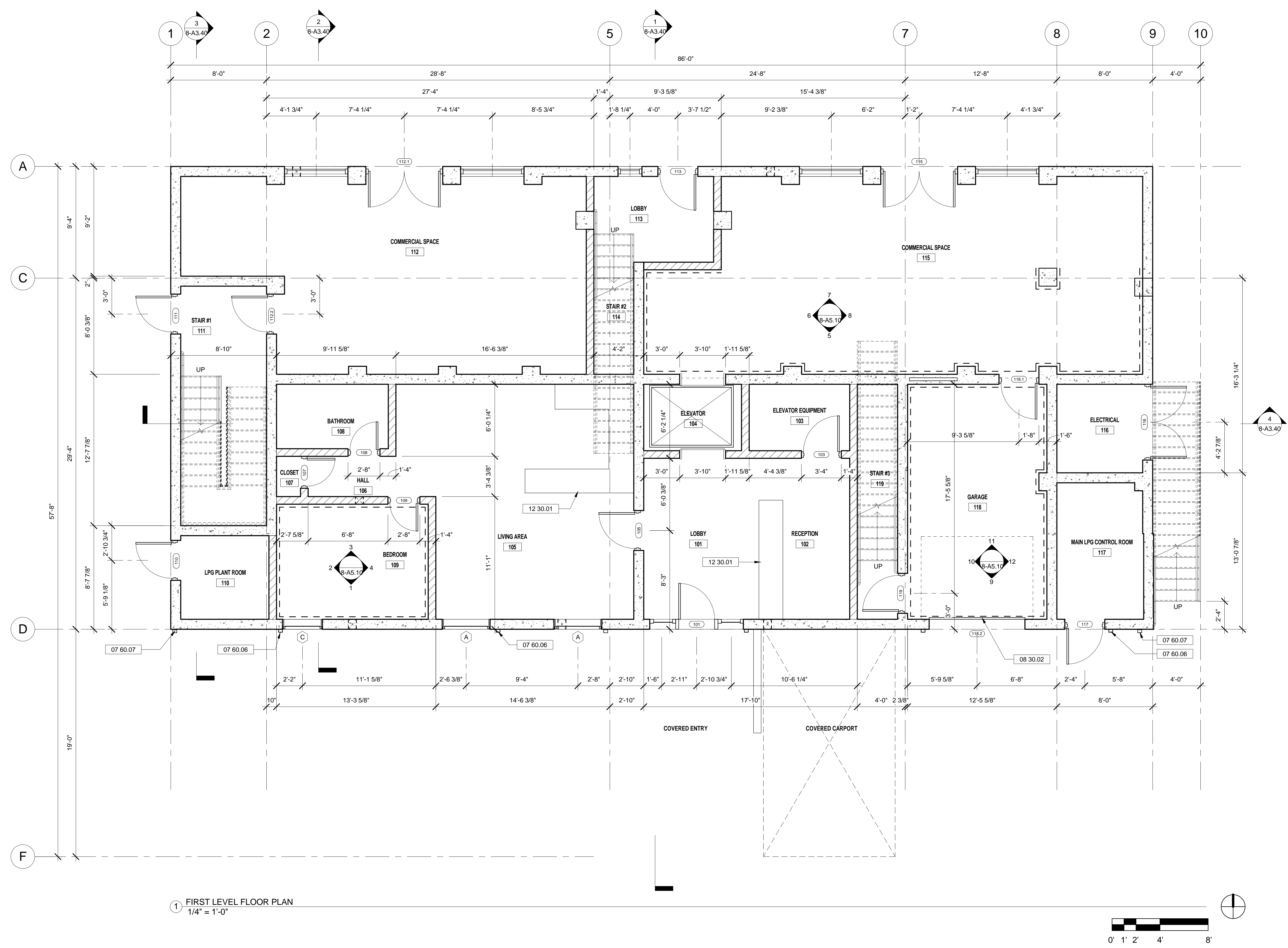
Date: February 1, 2018

Project No.: 2016039

8-A2.10  
Drawing No.

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PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.



1 FIRST LEVEL FLOOR PLAN  
1/4" = 1'-0"



**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**  
1401 W. WINTON AVE.  
HAYWARD, CA 94545

REVISIONS

No.	Description	Date

PLANNING SPR  
RESUBMITTAL

Sheet Title  
**BUILDING 8  
SECOND LEVEL FLOOR PLAN**

Drawn By: EW  
Checked By: EW  
Scale:  
**As indicated**  
Date:  
**February 1, 2018**  
Project No.: 2016039

**8-A2.20**  
Drawing No.

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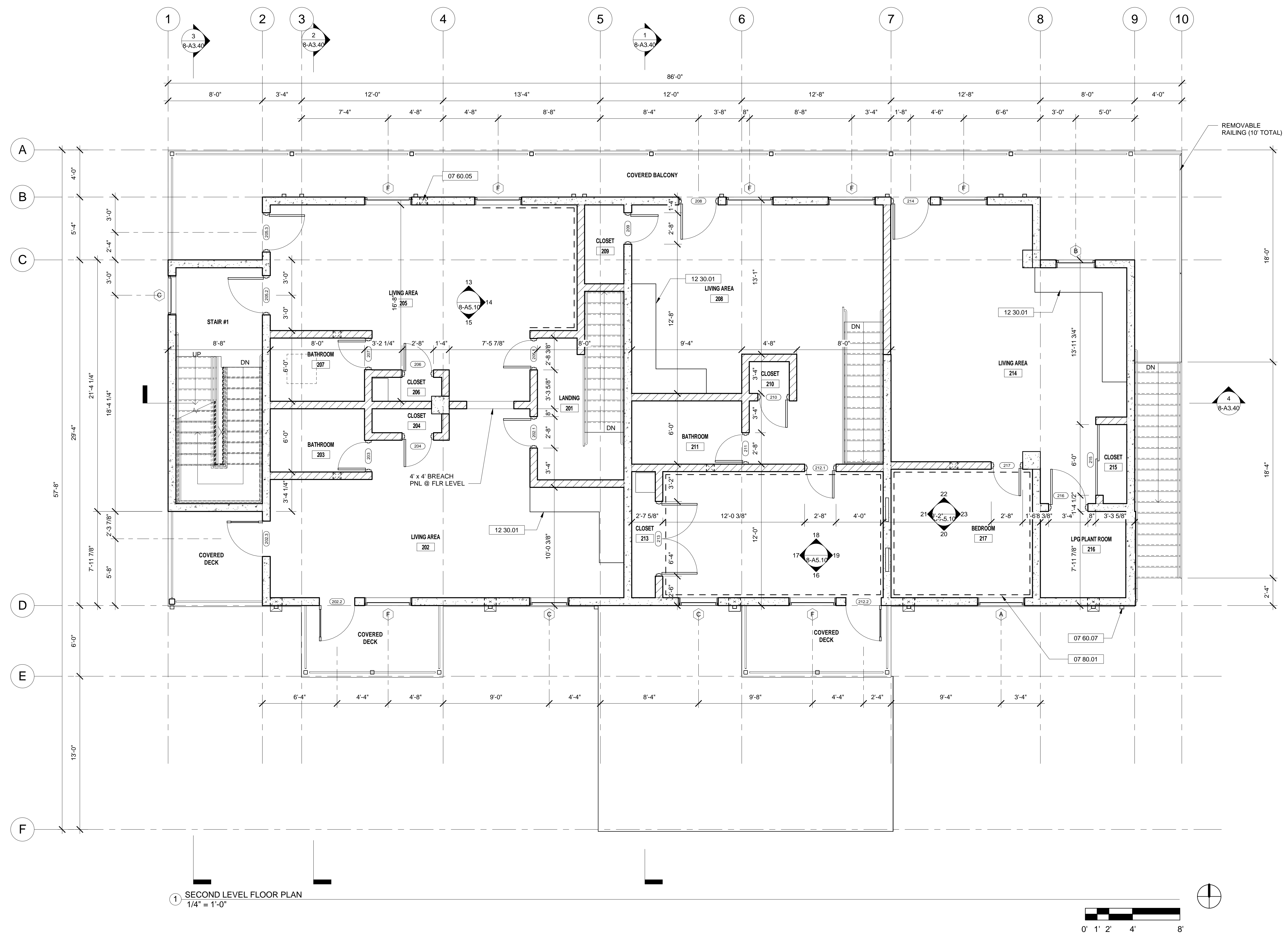
GENERAL SHEET NOTES

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WALL LEGEND

SHEET KEYNOTE LEGEND

07 60.05	CLEAN-OUT SCUPPER THROUGH WALL
07 60.07	PAINTED ALUMINUM DOWNSPOUT FROM GUTTER ABOVE
07 80.01	DASHED LINES DELINEATE AREAS OF THERMAL LINING (SUPER PADGENITE HD' BY WHP TRAINING TOWERS OR SIMILAR) AT WALLS, TYPICAL
12 30.01	CONCRETE COUNTERTOP AT +36" A.F.F. WITH CMU SUPPORT WALLS BELOW





**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**  
1401 W. WINTON AVE.  
HAYWARD, CA 94545

REVISIONS

No.	Description	Date

**PLANNING SPR RESUBMITTAL**

Sheet Title  
**BUILDING 8  
THIRD LEVEL FLOOR PLAN**

Drawn By: EW  
Checked By: EW  
Scale:  
**As indicated**  
Date:  
**February 1, 2018**  
Project No.: 2016039

**8-A2.30**  
Drawing No.

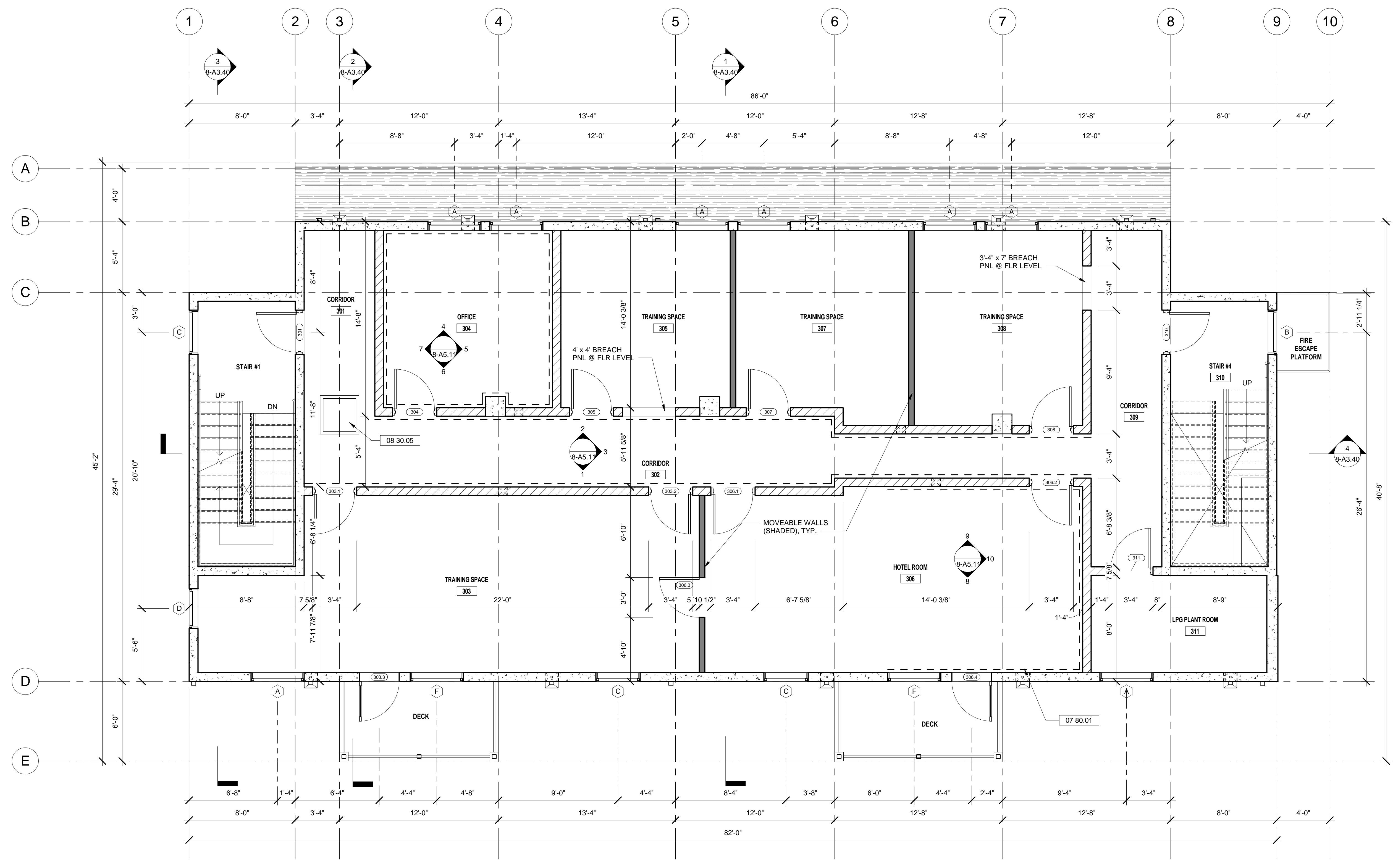
**GENERAL SHEET NOTES**

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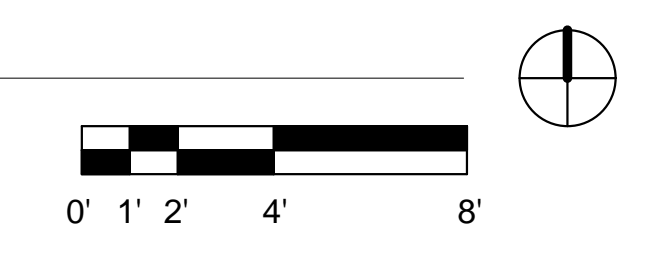
**WALL LEGEND**

**SHEET KEYNOTE LEGEND**

07 80.01	DASHED LINES DELINEATE AREAS OF THERMAL LINING (SUPER PADGENTINE HD) BY WHP TRAINING TOWERS OR SIMILAR) AT WALLS, TYPICAL.
08 30.05	30" SQUARE ALUMINUM FLOOR ACCESS DOOR



1 THIRD LEVEL FLOOR PLAN  
1/4" = 1'-0"





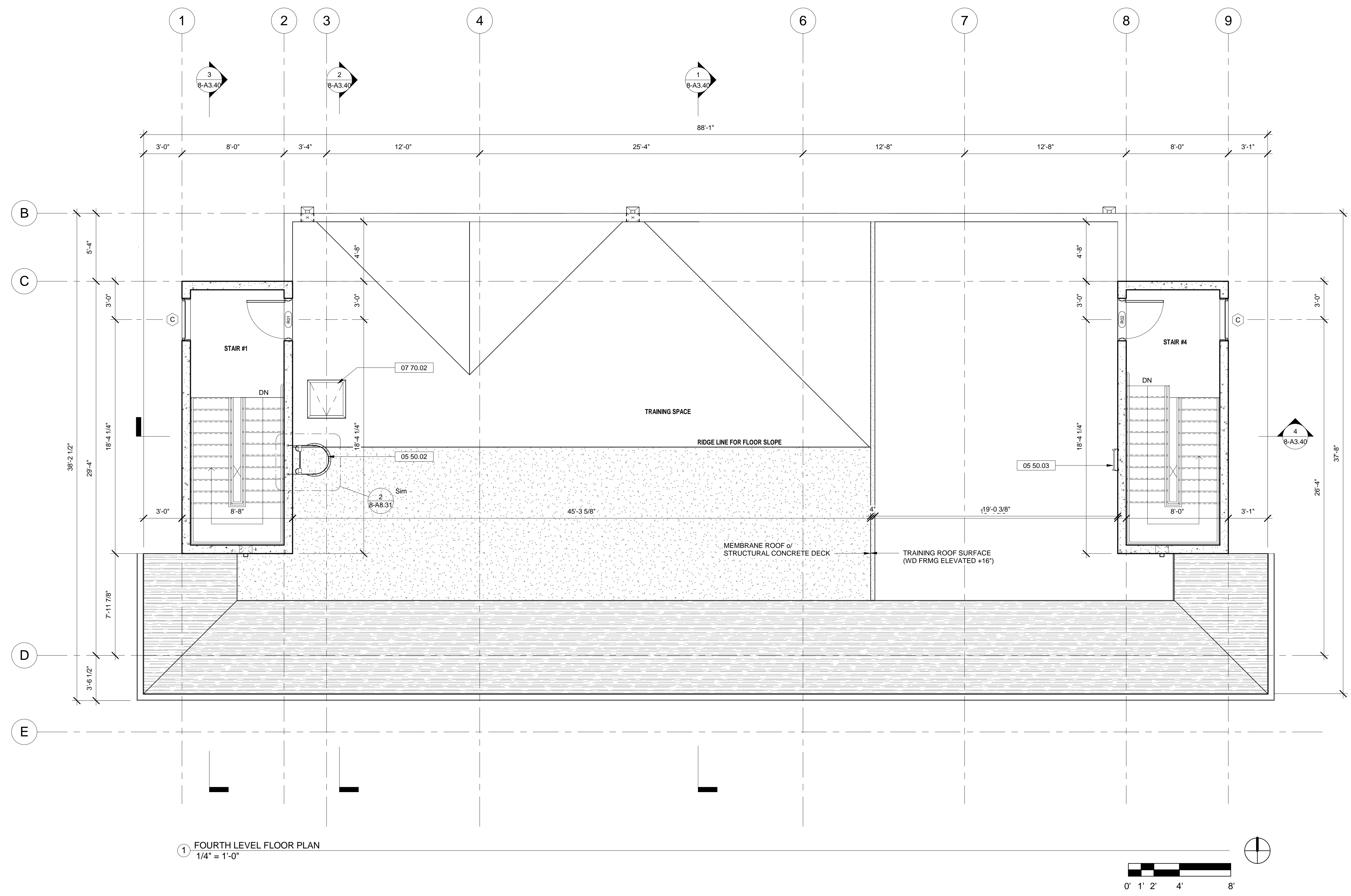
**GENERAL SHEET NOTES**

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**WALL LEGEND**

**SHEET KEYNOTE LEGEND**

05 50.02	PRE-FABRICATED METAL LADDER WITH SAFETY CAGE EXTENDING FROM FOURTH FLOOR TO ROOF OVER STAIR #1
05 50.03	PRE-FABRICATED METAL LADDER EXTENDING FROM TRAINING ROOF TO ROOF OVER STAIR #4
07 70.02	ROOF HATCH (TRAINING DEVICE WITHOUT SAFETY POST)



① FOURTH LEVEL FLOOR PLAN  
1/4" = 1'-0"



**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**

1401 W. WINTON AVE.  
HAYWARD, CA 94545

REVISIONS

No.	Description	Date

**PLANNING SPR RESUBMITTAL**

**BUILDING 8 ROOF PLAN**

Drawn By: EW Checked By: EW

Scale: As indicated

Date: February 1, 2018

Project No.: 2016039

**8-A2.60**  
Drawing No.

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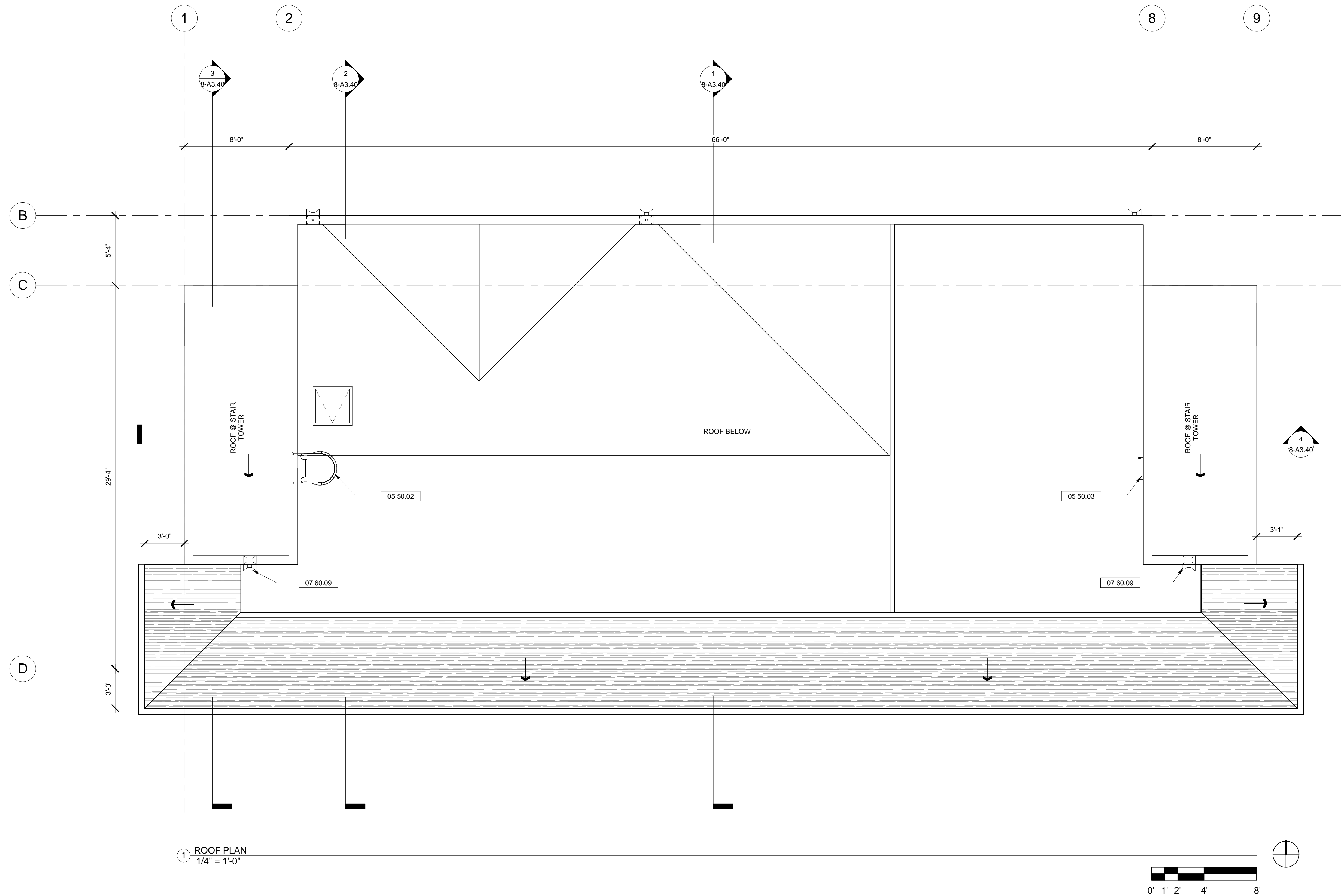
GENERAL SHEET NOTES

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WALL LEGEND

SHEET KEYNOTE LEGEND

05 50.02	PRE-FABRICATED METAL LADDER WITH SAFETY CAGE EXTENDING FROM FOURTH FLOOR TO ROOF OVER STAIR #1
05 50.03	PRE-FABRICATED METAL LADDER EXTENDING FROM TRAINING ROOF TO ROOF OVER STAIR #4
07 60.09	ROOF SCUPPER THROUGH WALL WITH DOWNSPOUT





GENERAL SHEET NOTES

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WALL LEGEND

SHEET KEYNOTE LEGEND

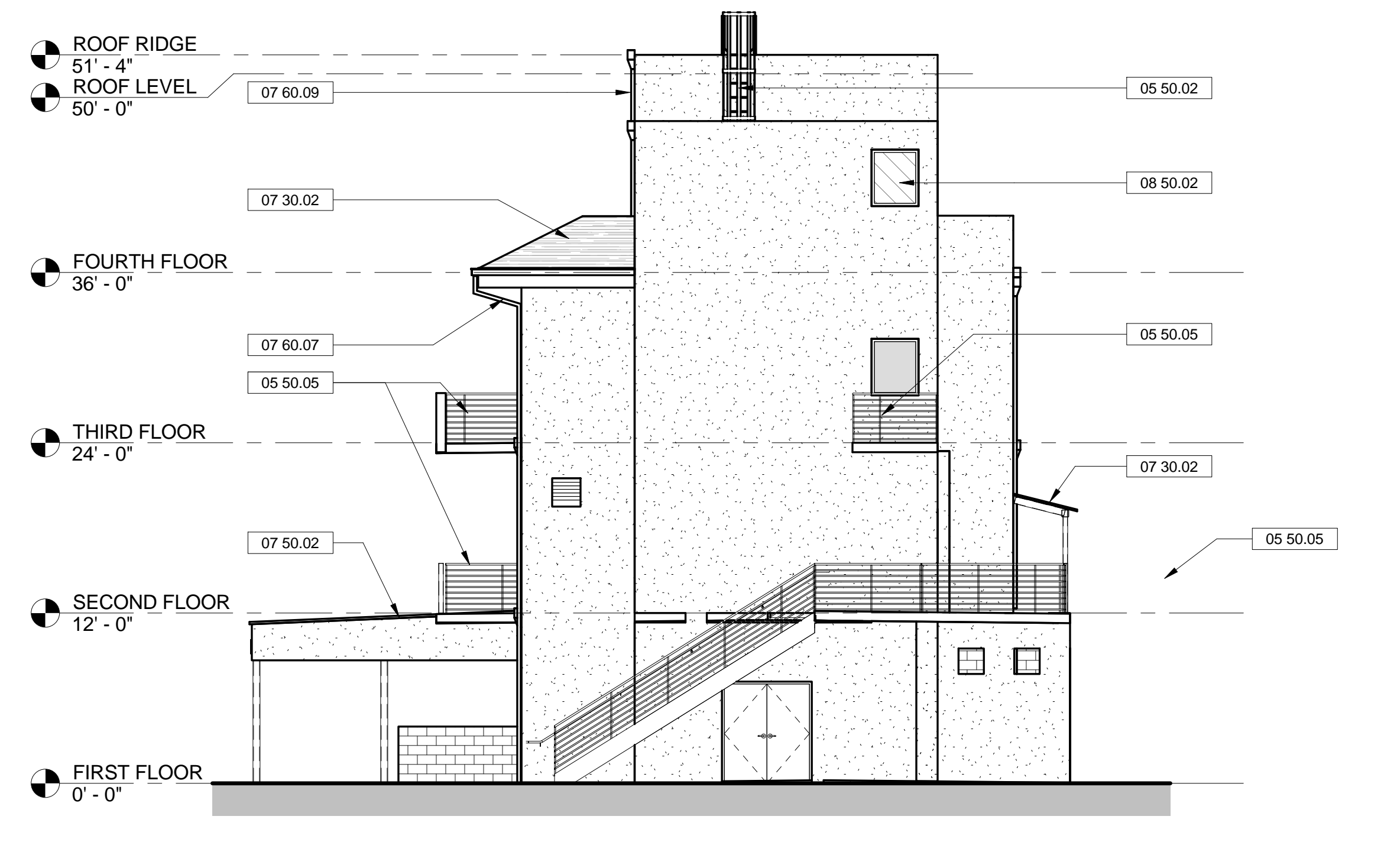
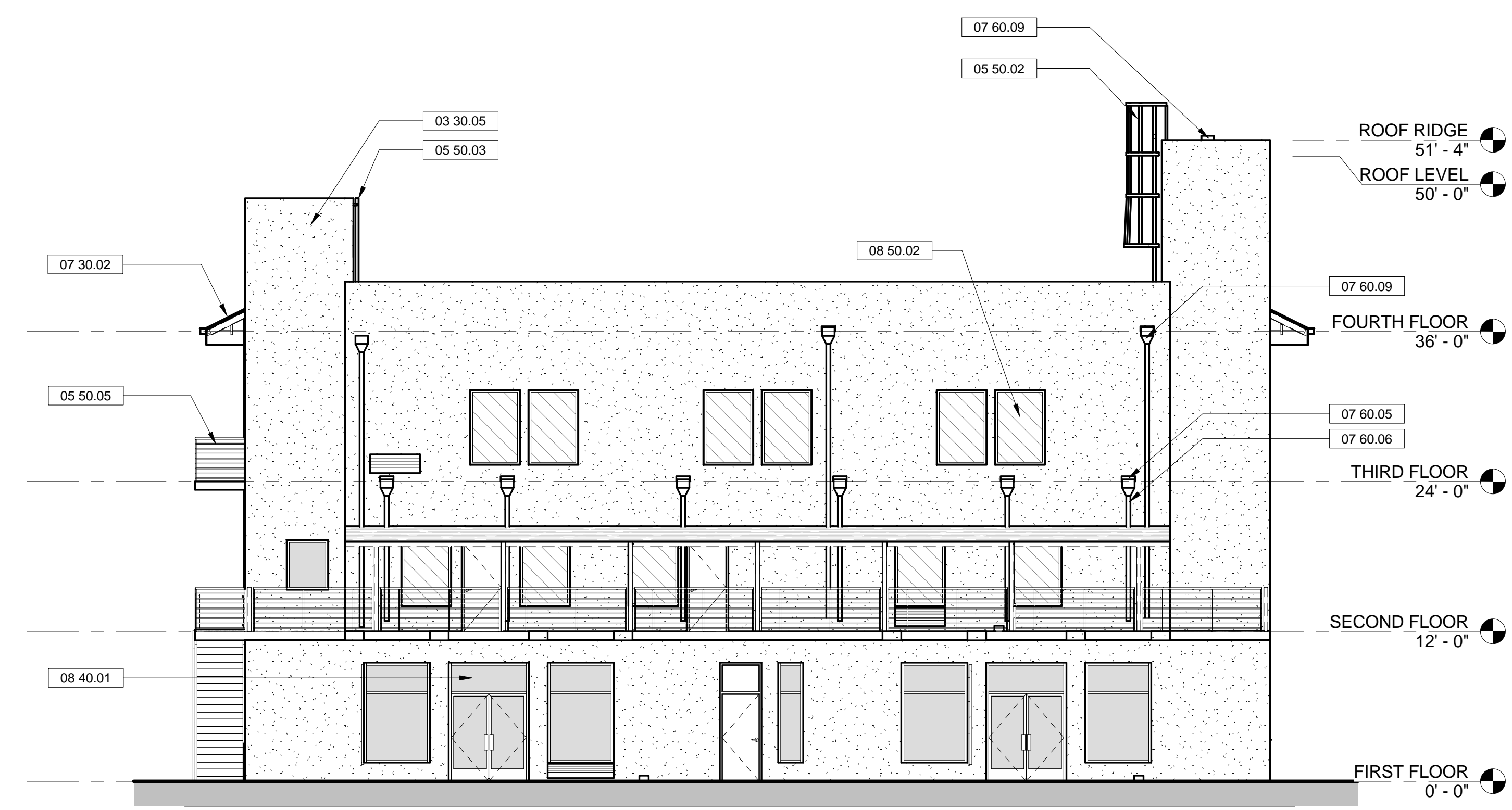
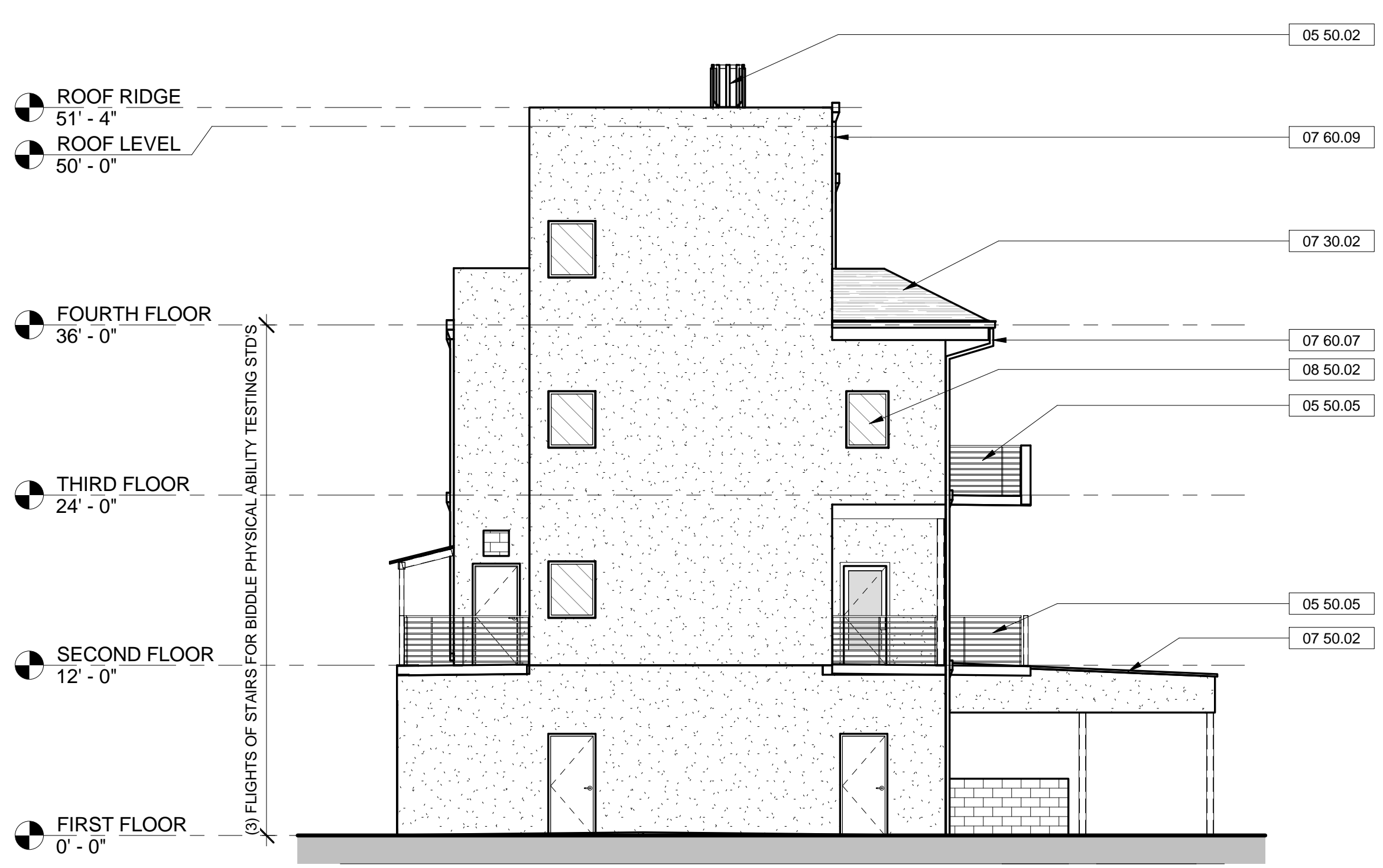
03 30.05	CAST-IN-PLACE (CIP) CONCRETE EXTERIOR WALLS, TYPICAL
05 50.02	PRE-FABRICATED METAL LADDER WITH SAFETY CAGE EXTENDING FROM FOURTH FLOOR TO ROOF OVER STAIR #1
05 50.03	PRE-FABRICATED METAL LADDER EXTENDING FROM TRAINING ROOF TO ROOF OVER STAIR #4
05 50.05	METAL EMERGENCY FIRE ESCAPE PLATFORM WITH PULL DOWN LADDER
05 50.06	METAL EMERGENCY FIRE ESCAPE PLATFORM WITH PERMANENT STAIR
07 30.02	FIBERGLASS COMPOSITION SHINGLE ROOFING
07 50.02	MODIFIED BITUMEN MEMBRANE ROOF OVER STRUCTURAL DECK
07 60.05	CLEAN-OUT SCUPPER THROUGH WALL
07 60.06	ALUMINUM DOWNSPOUT WITH COLLECTOR HEAD AT CLEAN-OUT SCUPPER LOCATION, TYPICAL
07 60.07	PAINTED ALUMINUM DOWNSPOUT FROM GUTTER ABOVE
07 60.09	ROOF SCUPPER THROUGH WALL WITH DOWNSPOUT
08 10.01	PAINTED HOLLOW METAL DOOR & FRAME
08 30.02	PAINTED METAL OVERHEAD COILING DOOR
08 40.01	STEEL FRAME STOREFRONT OPENINGS WITH ENTRY DOORS AND SOLID PANEL "GLAZING"
08 50.02	STEEL FRAME WINDOW OPENINGS WITH DOUBLE-ACTING HOLLOW METAL DOORS, TYPICAL

HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER

1401 W. WINTON AVE.  
HAYWARD, CA 94545

REVISIONS

No.	Description	Date



PRELIMINARY DESIGN. NOT FOR CONSTRUCTION.

PLANNING SPR RESUBMITTAL

BUILDING 8 EXTERIOR ELEVATIONS

Drawn By: JMM Checked By: EW  
Scale: As Indicated  
Date: February 1, 2018  
Project No.: 2016039

8-A3.10  
Drawing No.

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**HAYWARD FIRE  
STATION #6 & FIRE  
TRAINING CENTER**

1401 W. WINTON AVE.  
HAYWARD, CA 94545

REVISIONS		
No.	Description	Date

**PLANNING SPR  
RESUBMITTAL**

Sheet Title  
**BUILDING 8  
AXONOMETRIC VIEWS**

Drawn By: MM Checked By: EW

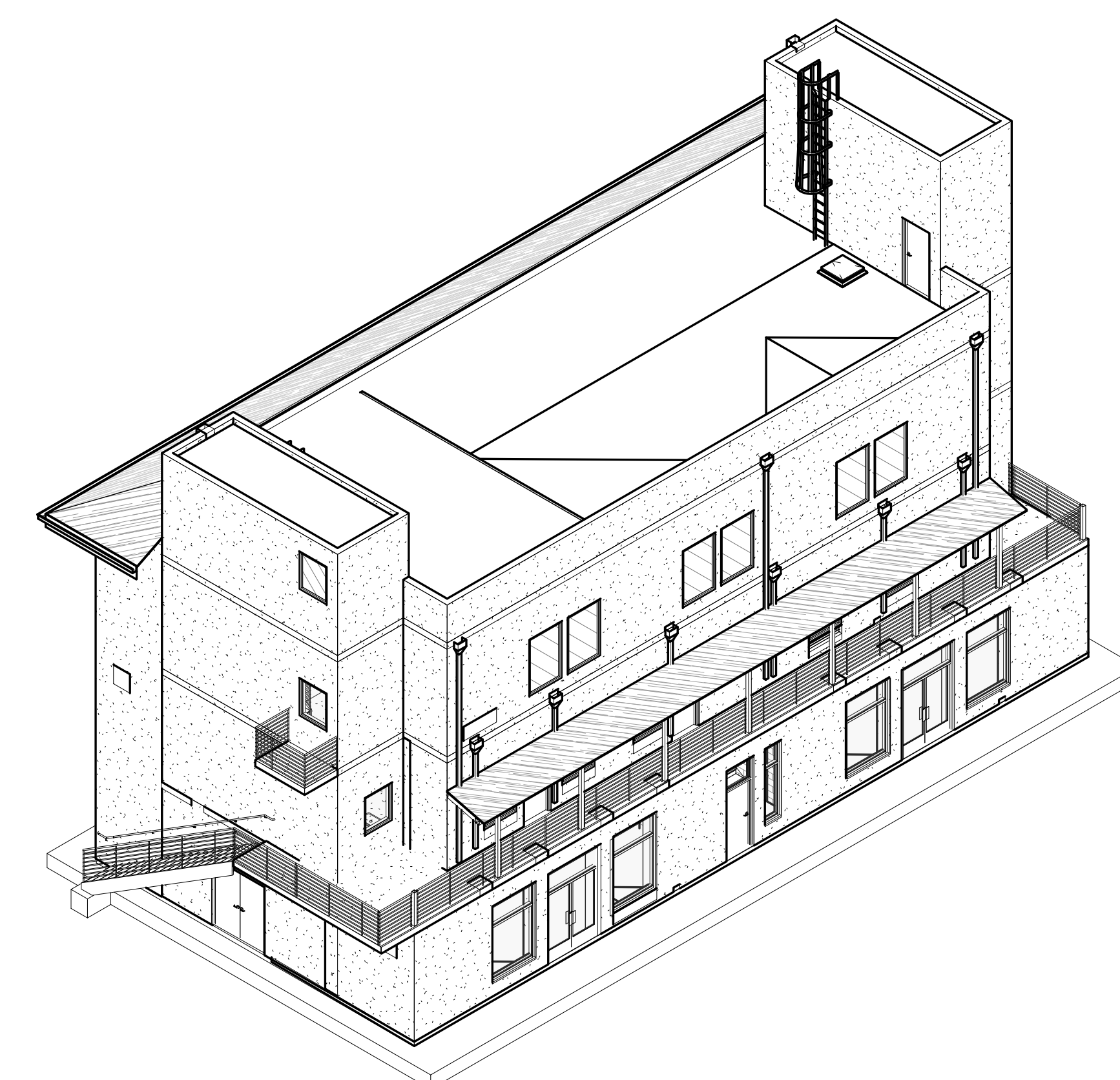
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Date:  
February 1, 2018

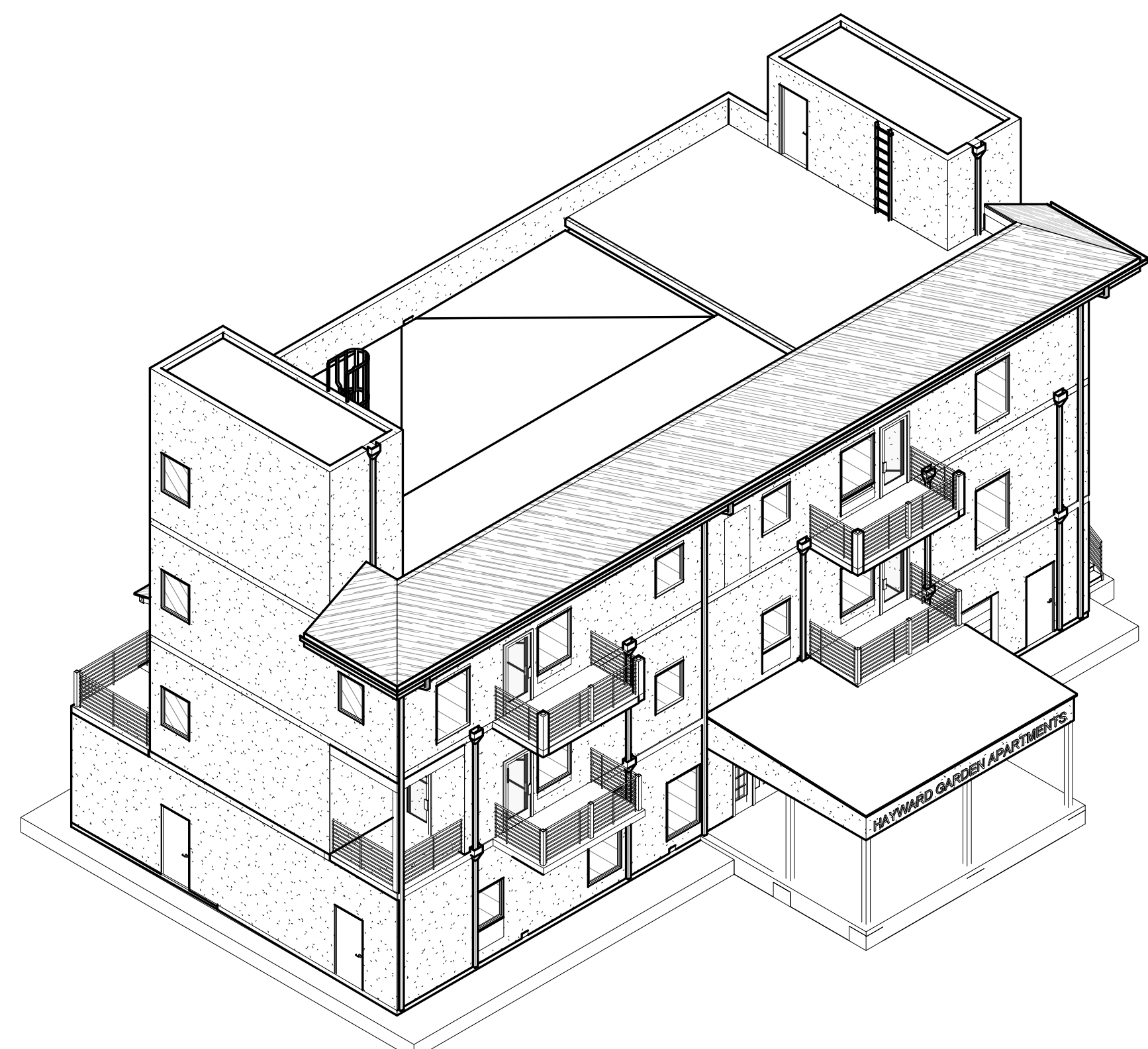
Project No.: 2016039

**8-A3.11**  
Drawing No.

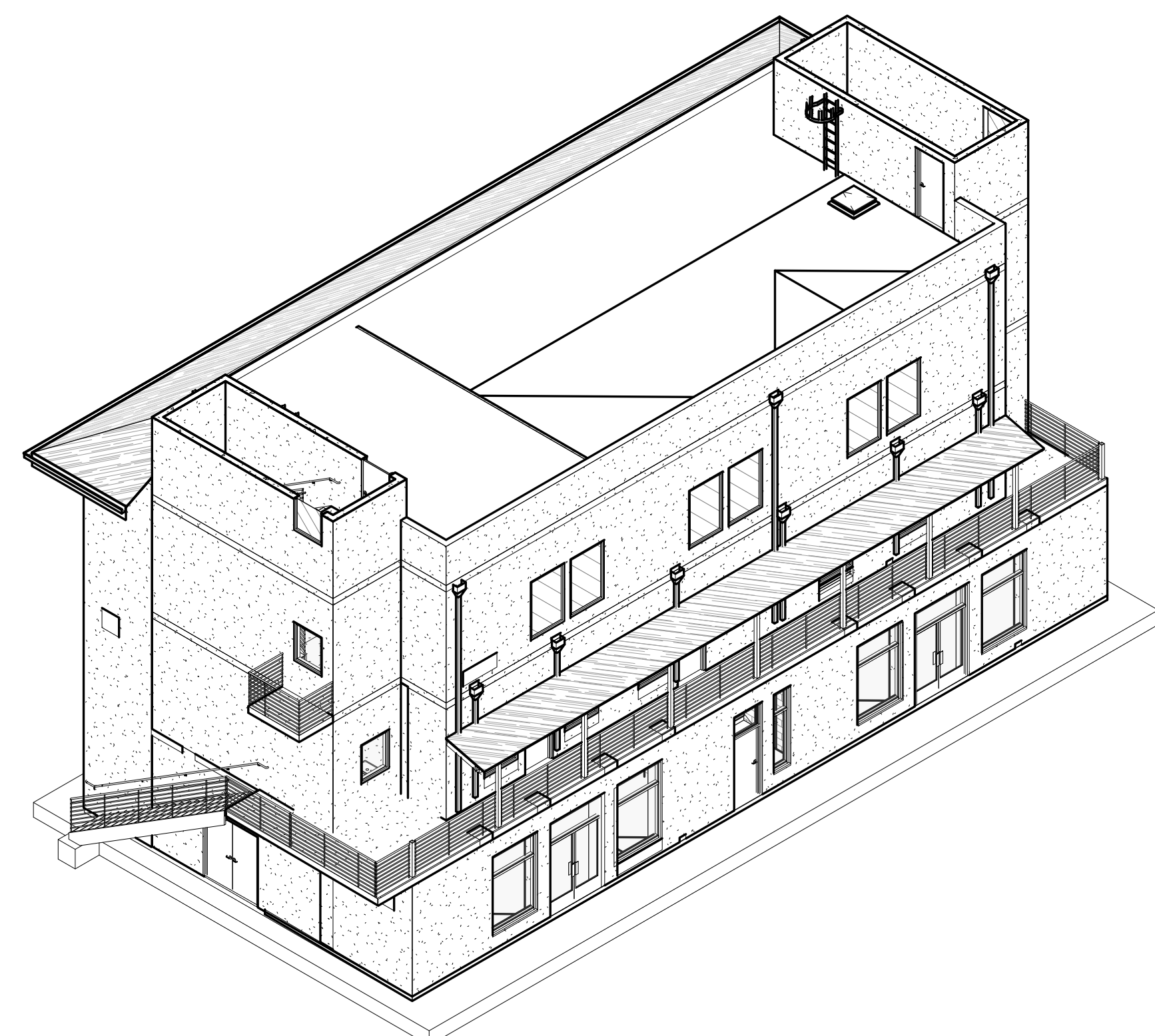
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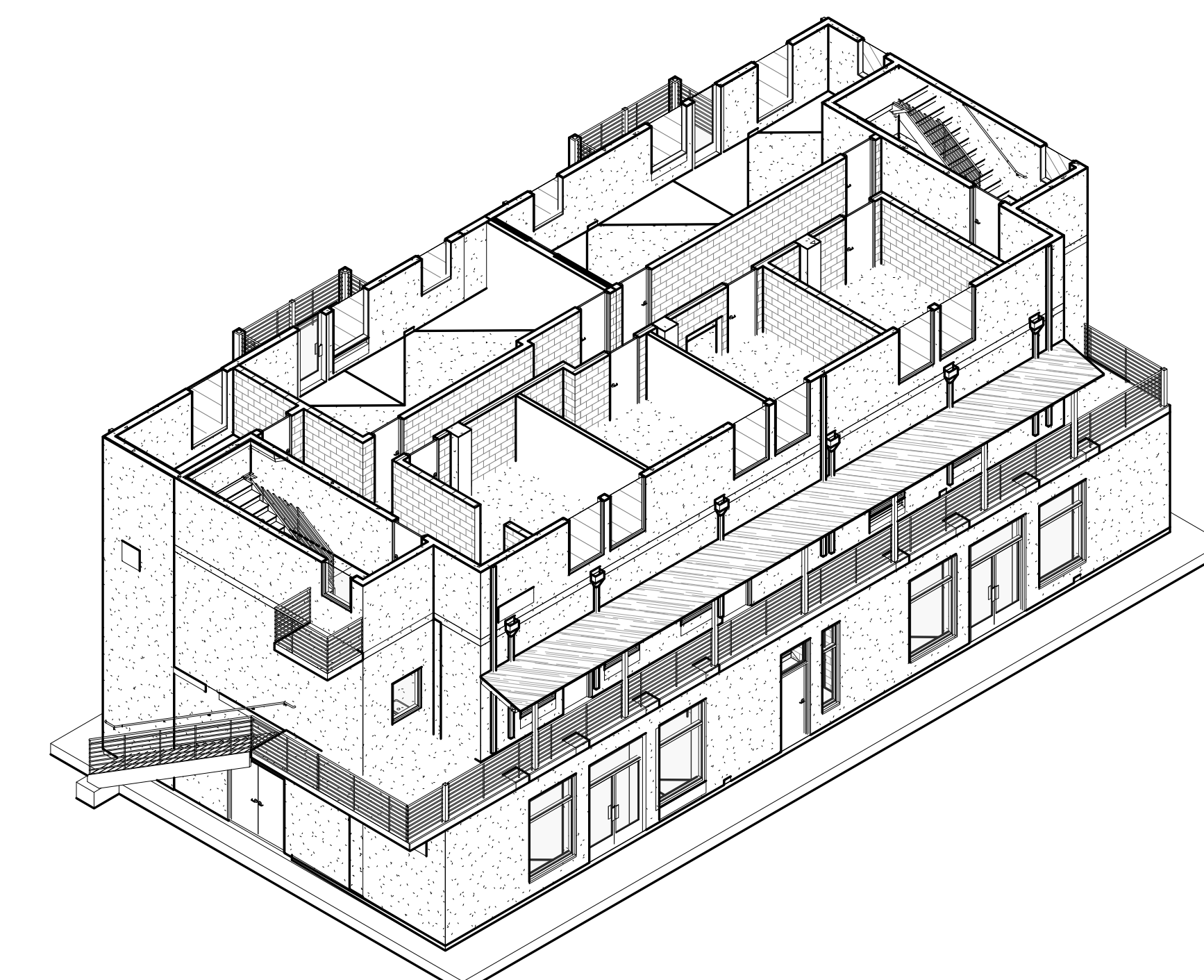
6 NORTHEAST AXONOMETRIC  
(COMMERCIAL SIDE)



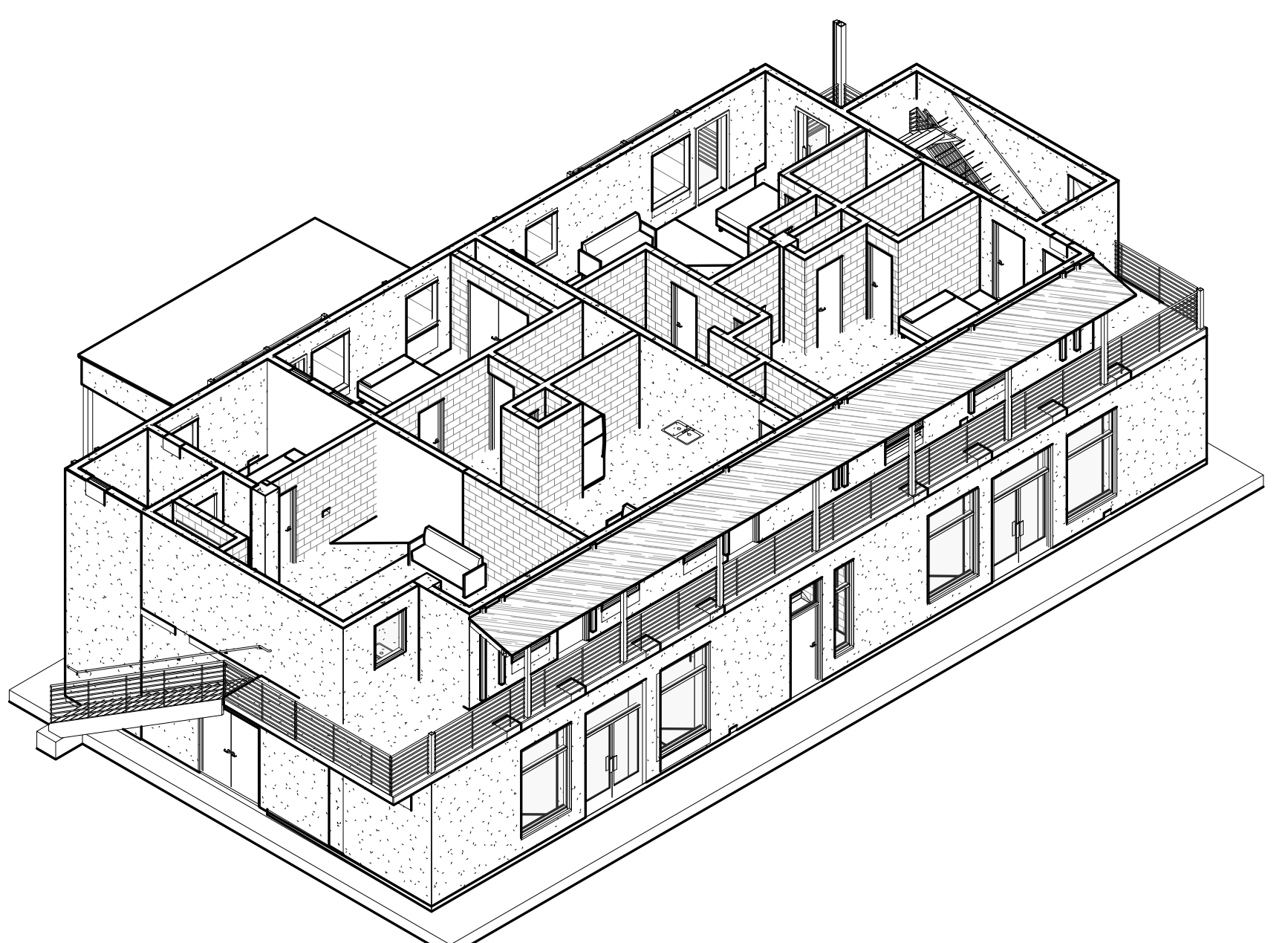
5 SOUTHWEST AXONOMETRIC  
(APARTMENT SIDE)



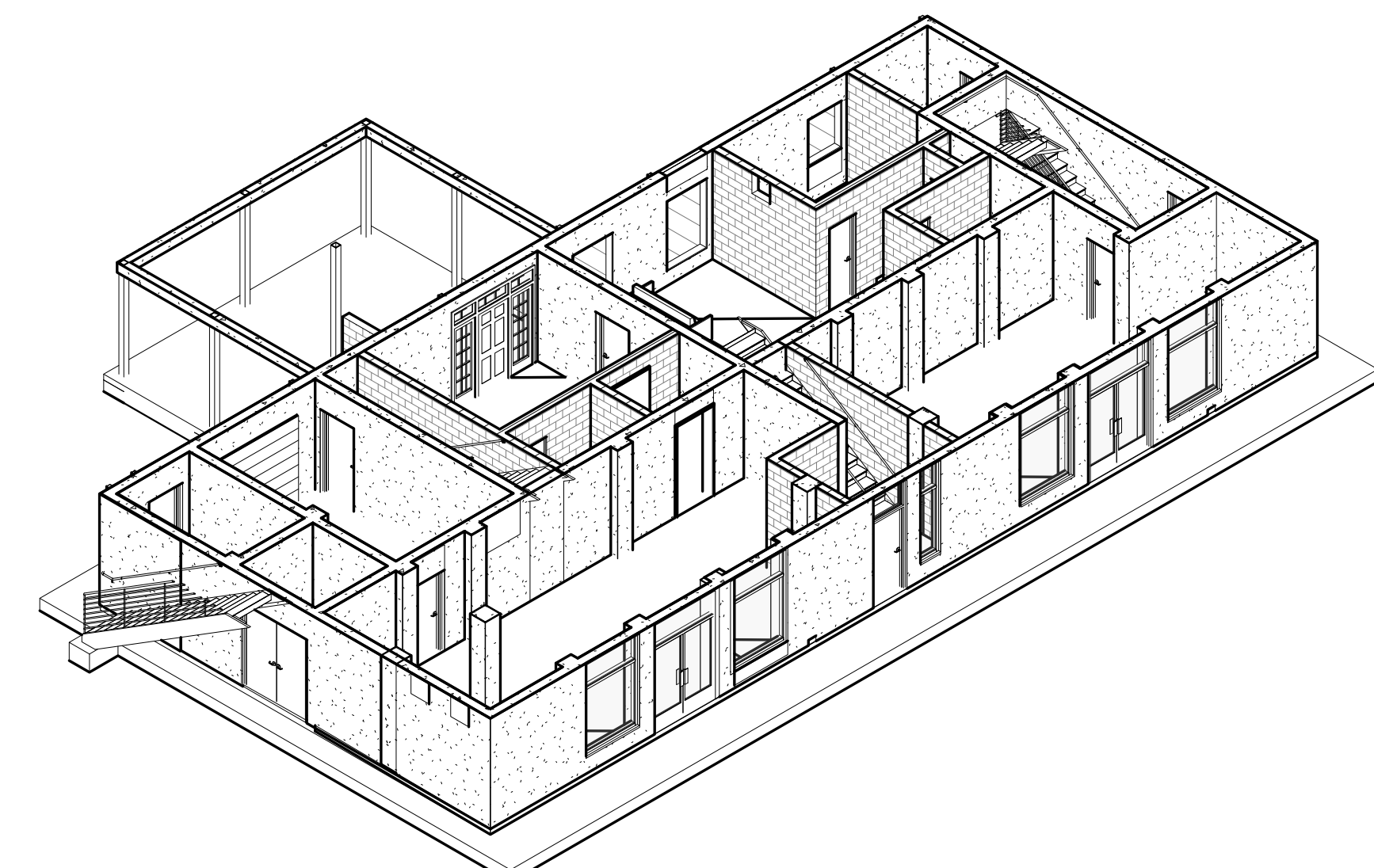
4 ROOF LEVEL AXONOMETRIC



3 THIRD FLOOR LEVEL AXONOMETRIC



2 SECOND FLOOR LEVEL AXONOMETRIC



1 FIRST FLOOR LEVEL AXONOMETRIC



**HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER**

1401 W. WINTON AVE.  
HAYWARD, CA 94545

REVISIONS

No.	Description	Date

**PLANNING SPR RESUBMITTAL**

Sheet Title

**BUILDING 9 FLOOR PLAN, ROOF PLAN**

Drawn By SF Checked By EIW

Scale:  
1/4" = 1'-0"

Date:  
February 1, 2018

Project No. 2016039

**9-A2.10**  
Drawing No.

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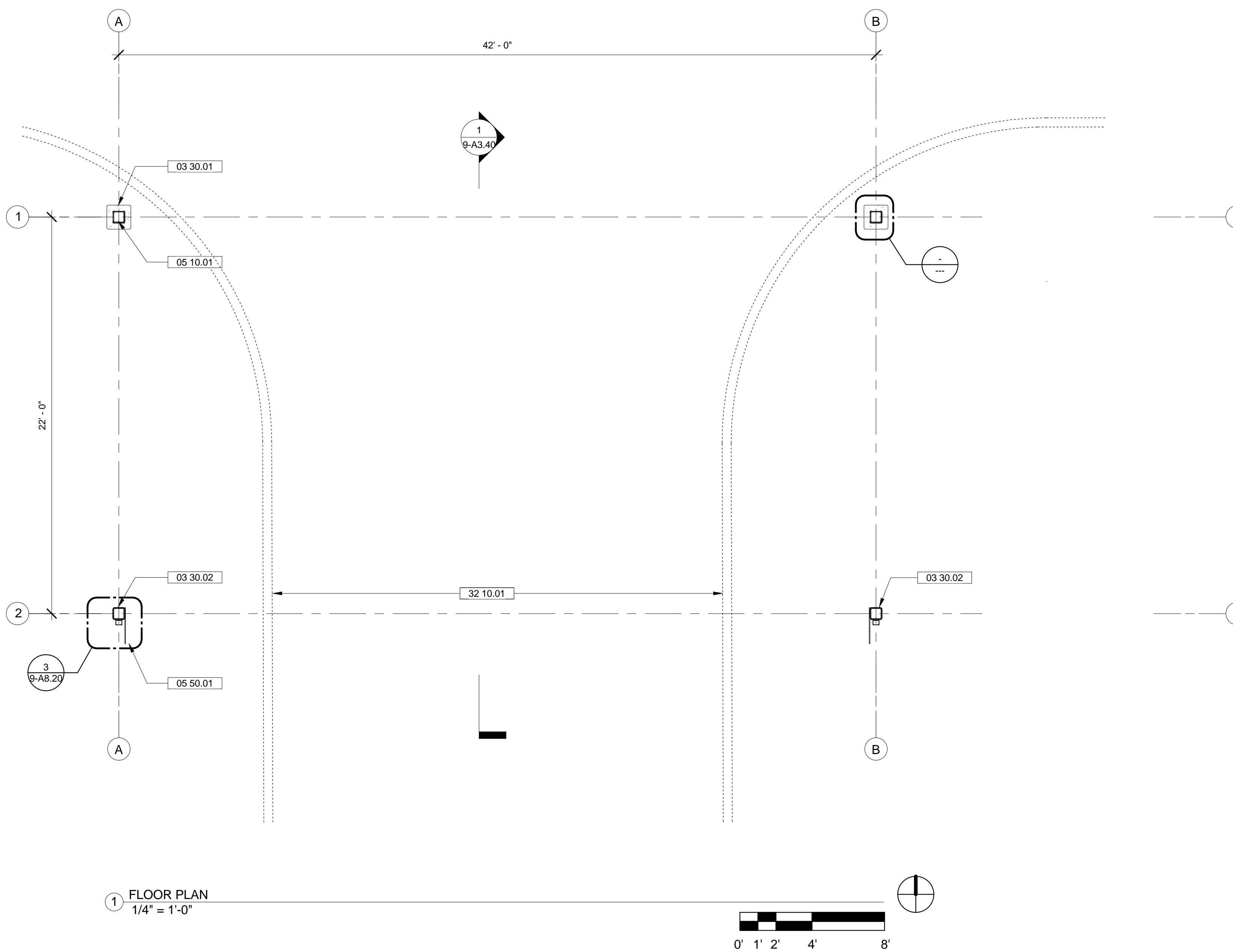
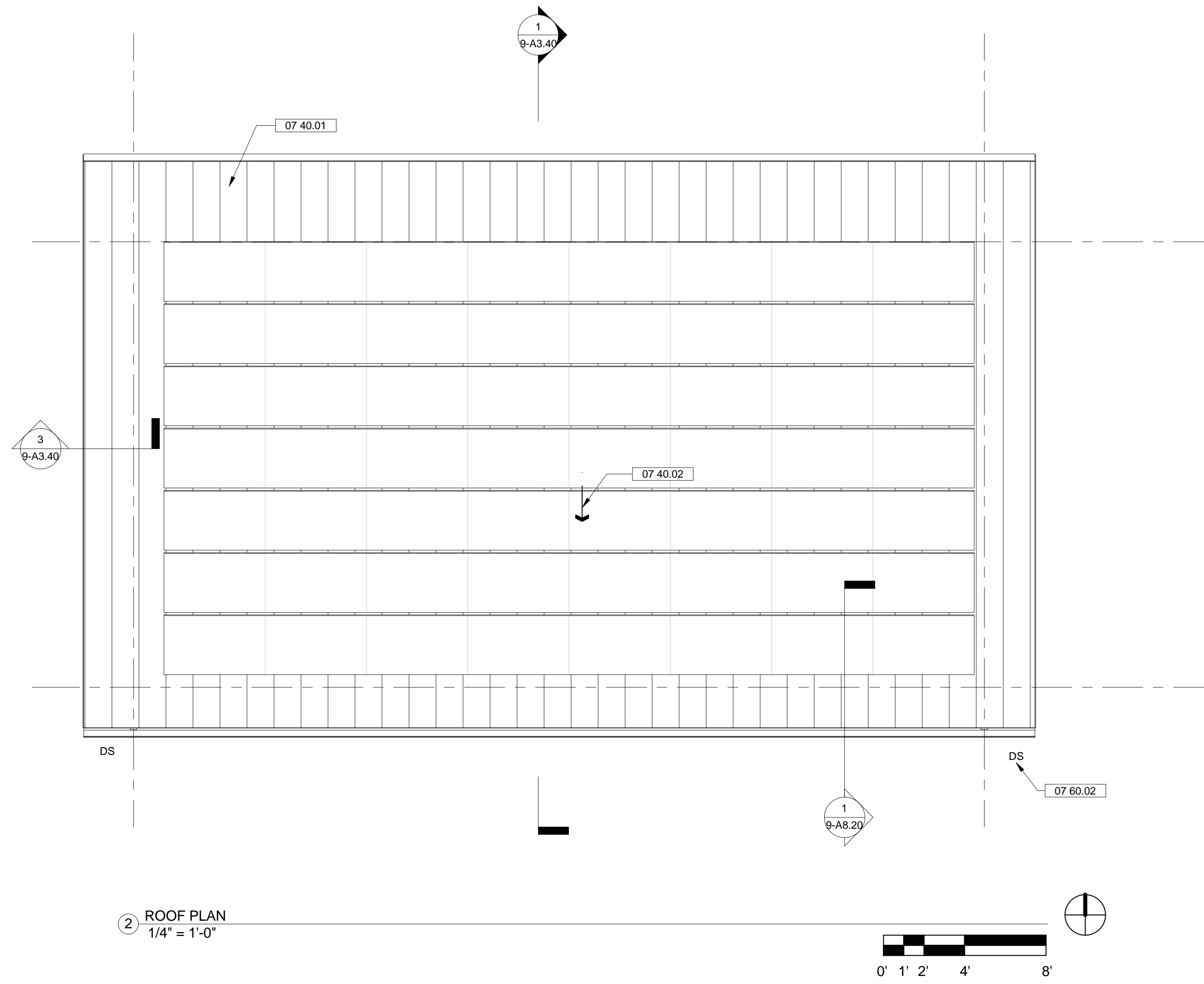
GENERAL SHEET NOTES

1.

WALL LEGEND

SHEET KEYNOTE LEGEND

03 30.01	PROTECTIVE CONCRETE CASING @ BASE OF STEEL COLUMN, TYPICAL U.N.O.
03 30.02	DO NOT PROVIDE CONCRETE CASING AT THIS COLUMN
05 10.01	PAINTED STEEL COLUMN, S.S.D.
05 50.01	PAINTED ALUMINUM PLATE "PORTAL" AT GRIDS A2 & B2 AND HEAD IN-BETWEEN. SEE EXTERIOR ELEVATIONS
07 40.01	PRE-FINISHED STANDING SEAM METAL ROOF PANELS, TYPICAL
07 40.02	ARROW INDICATES DOWNWARD DIRECTION OF ROOF SLOPE, TYPICAL
07 60.02	INDICATES DOWNSPOUT LOCATION, TYPICAL
32 10.01	CONCRETE PAVING, SEE CIVIL DRAWINGS



Preliminary Design. Not For Construction Purposes.



GENERAL SHEET NOTES

1.

WALL LEGEND

Blank area for wall legend.

SHEET KEYNOTE LEGEND

03 30.01	PROTECTIVE CONCRETE CASING @ BASE OF STEEL COLUMN, TYPICAL U.N.O.
05 10.01	PAINTED STEEL COLUMN, S.S.D.
05 10.02	PAINTED STEEL BEAM, S.S.D.
05 10.03	PAINTED STEEL CROSS BRACING & CONNECTION PLATES, S.S.D.
05 50.01	PAINTED ALUMINUM PLATE "PORTAL" AT GRIDS A2 & B2 AND HEAD IN-BETWEEN. SEE EXTERIOR ELEVATIONS
07 40.01	PRE-FINISHED STANDING SEAM METAL ROOF PANELS, TYPICAL
07 60.01	PAINTED ALUMINUM DOWNSPOUT FROM GUTTER ABOVE, SECURED TO STEEL COLUMN
07 60.04	PAINTED ALUMINUM FASCIA TRIM
32 90.01	LANDSCAPE AREA, SEE CIVIL AND LANDSCAPE DRAWINGS

HAYWARD FIRE STATION #6 & FIRE TRAINING CENTER

1401 W. WINTON AVE.  
HAYWARD, CA 94545

REVISIONS

No.	Description	Date

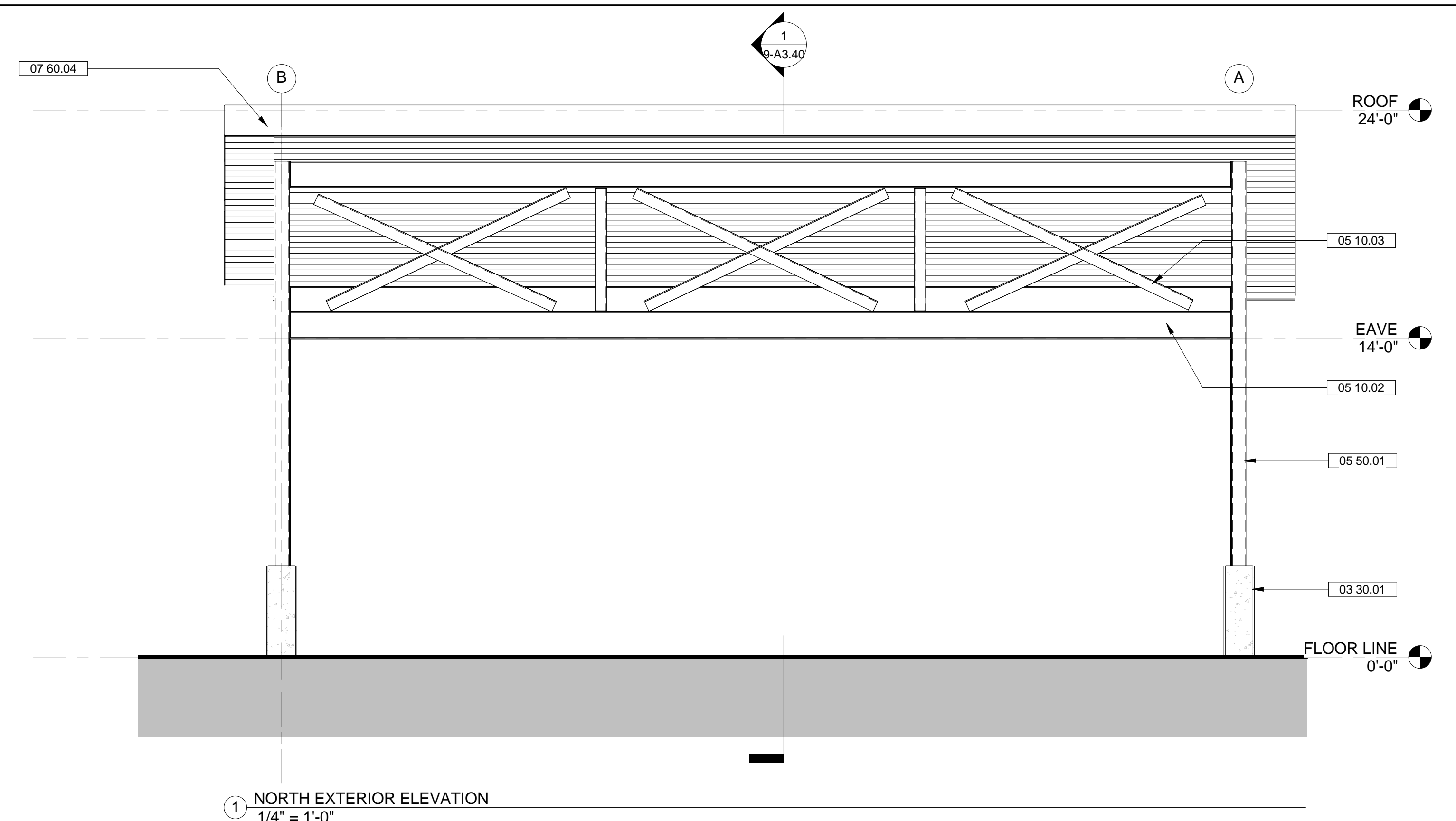
PLANNING SPR RESUBMITTAL

BUILDING 9 EXTERIOR ELEVATIONS

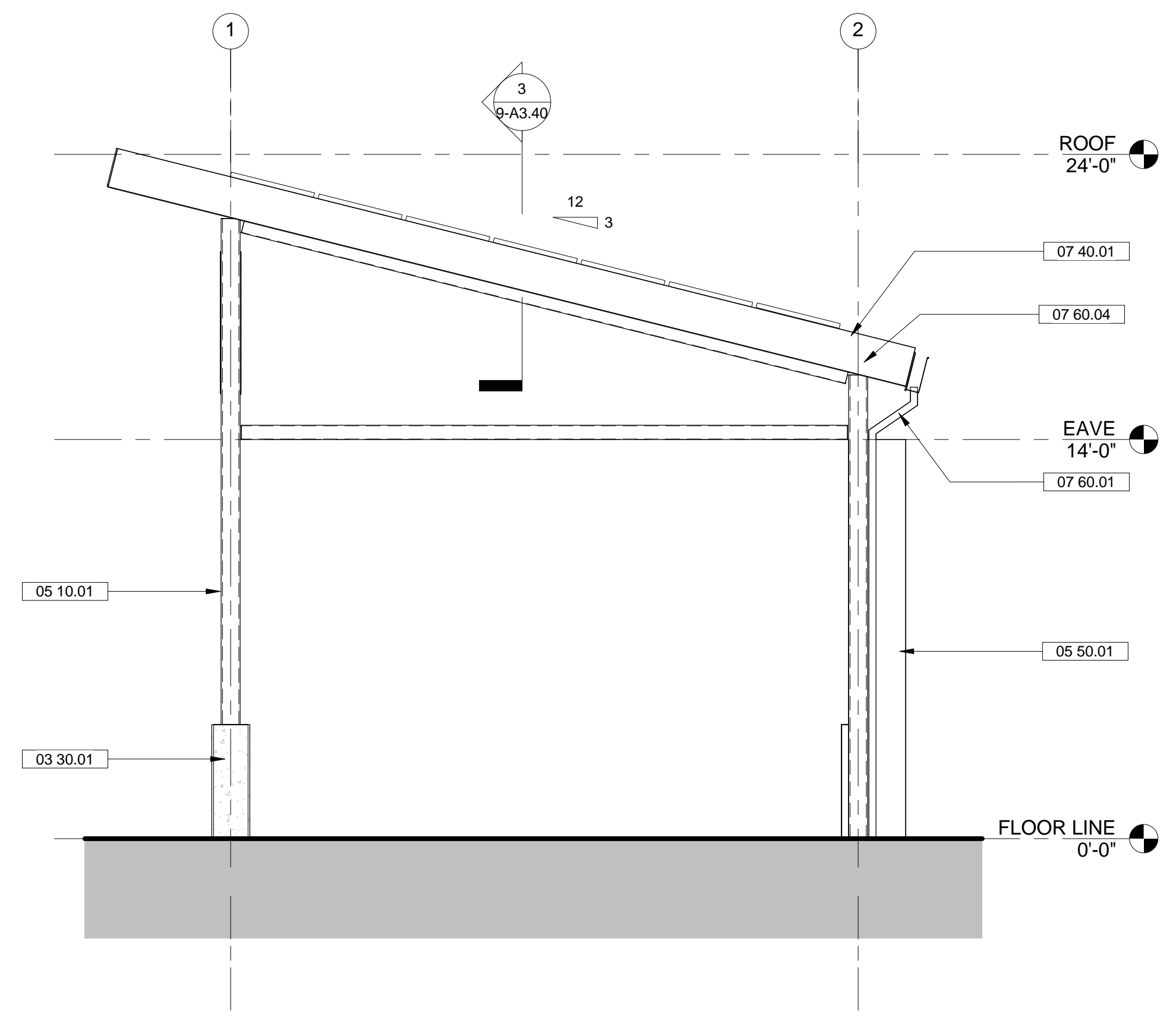
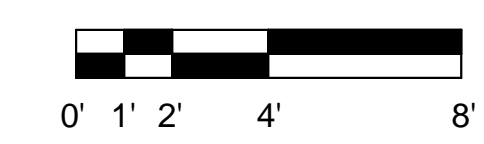
Drawn By EW  
Checked By EW  
Scale: 1/4" = 1'-0"  
Date: February 1, 2018  
Project No. 2016039

9-A3.10

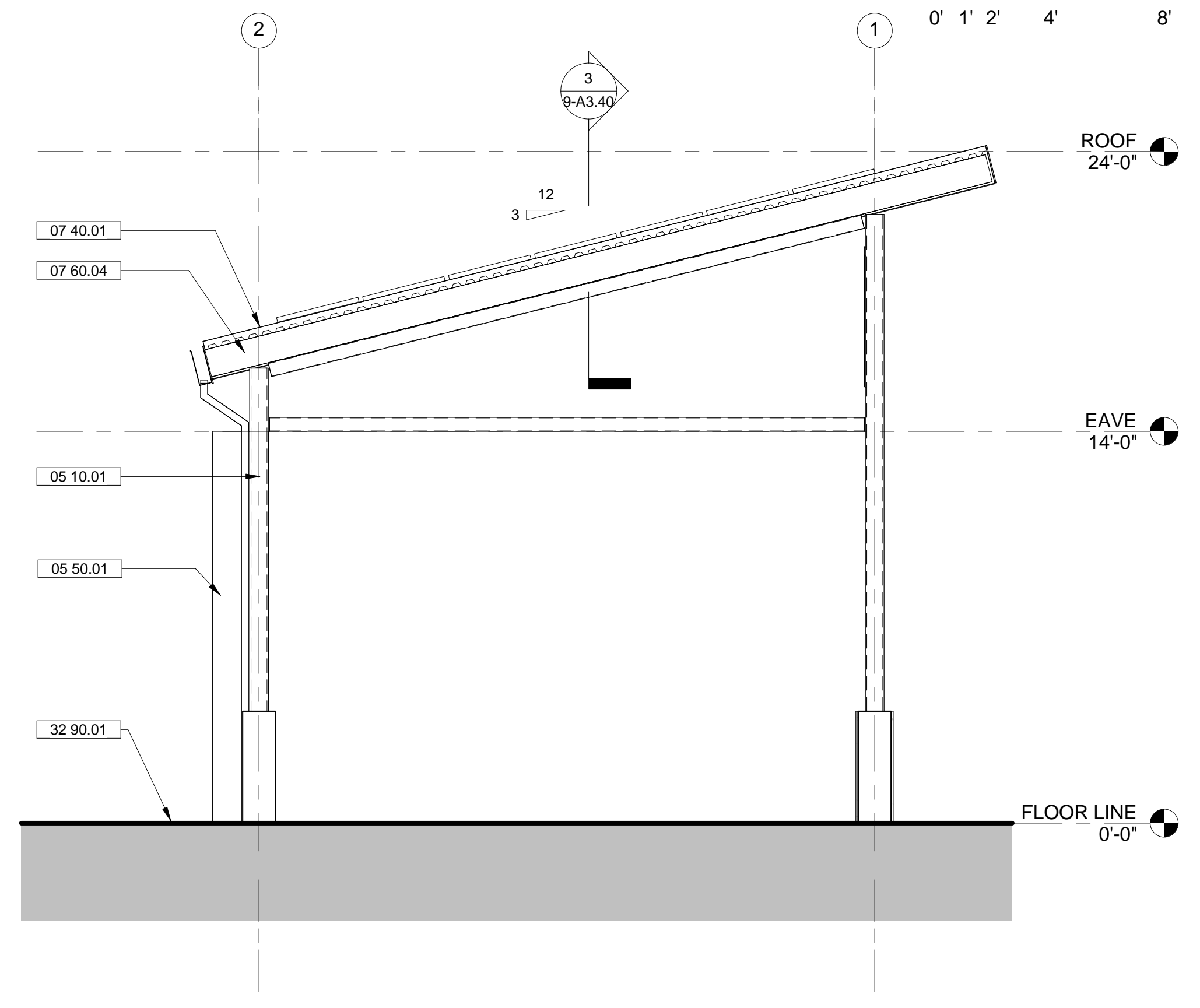
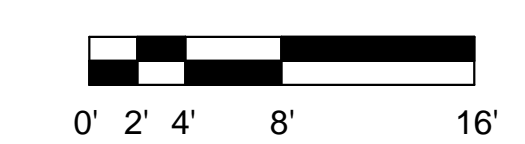
Drawing No.  
If this drawing is not 30" x 42", it is a reduced print - scale accordingly. All rights reserved. Material may not be reproduced in any form without permission from RossDrulisCusenbery Architecture, Inc.



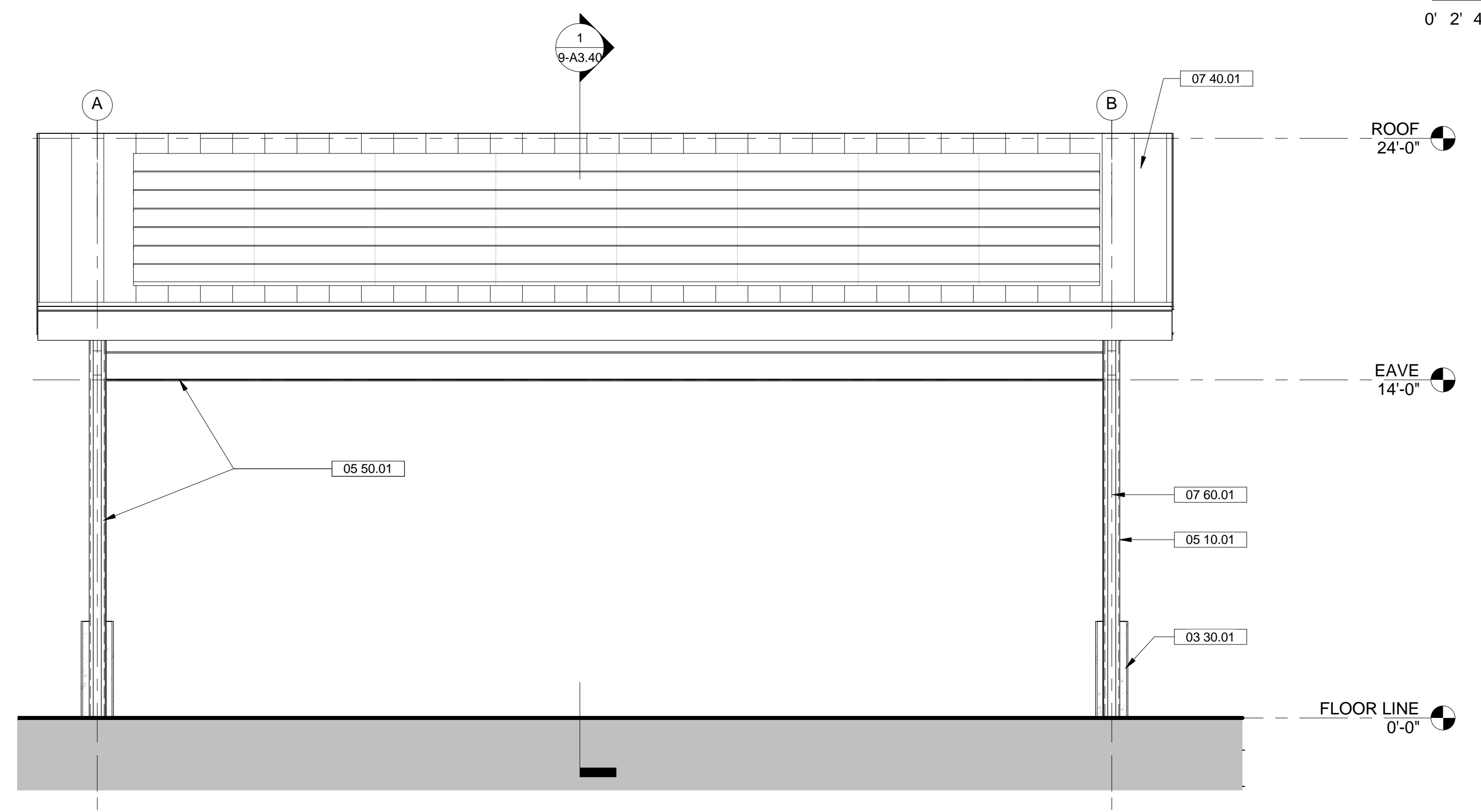
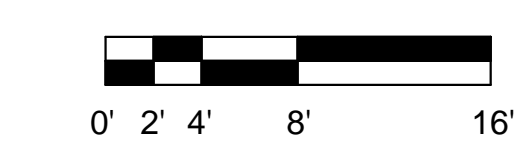
1 NORTH EXTERIOR ELEVATION  
1/4" = 1'-0"



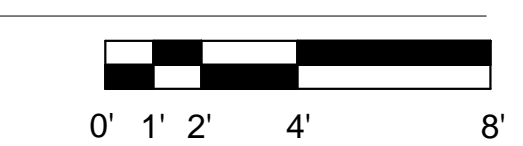
2 WEST ELEVATION  
1/4" = 1'-0"



3 EAST ELEVATION  
1/4" = 1'-0"



4 SOUTH EXTERIOR ELEVATION  
1/4" = 1'-0"



Preliminary Design. Not For Construction Purposes.