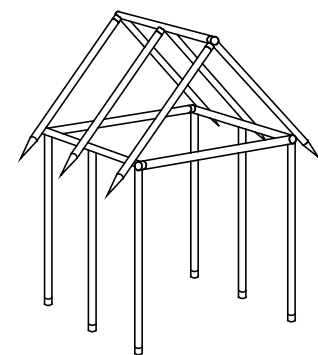


SANTA CRUZ MUSEUM OF NATURAL HISTORY

BUILDING IMPROVEMENT PROJECT



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tom@tntarch.com



VIEW FROM THE CORNER OF PILKINGTON AVE. AND E. CLIFF DR. LOOKING NORTH

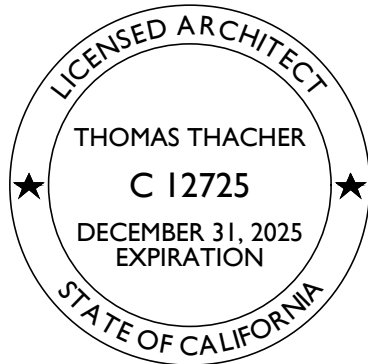


VIEW FROM PILKINGTON AVE. LOOKING SOUTH

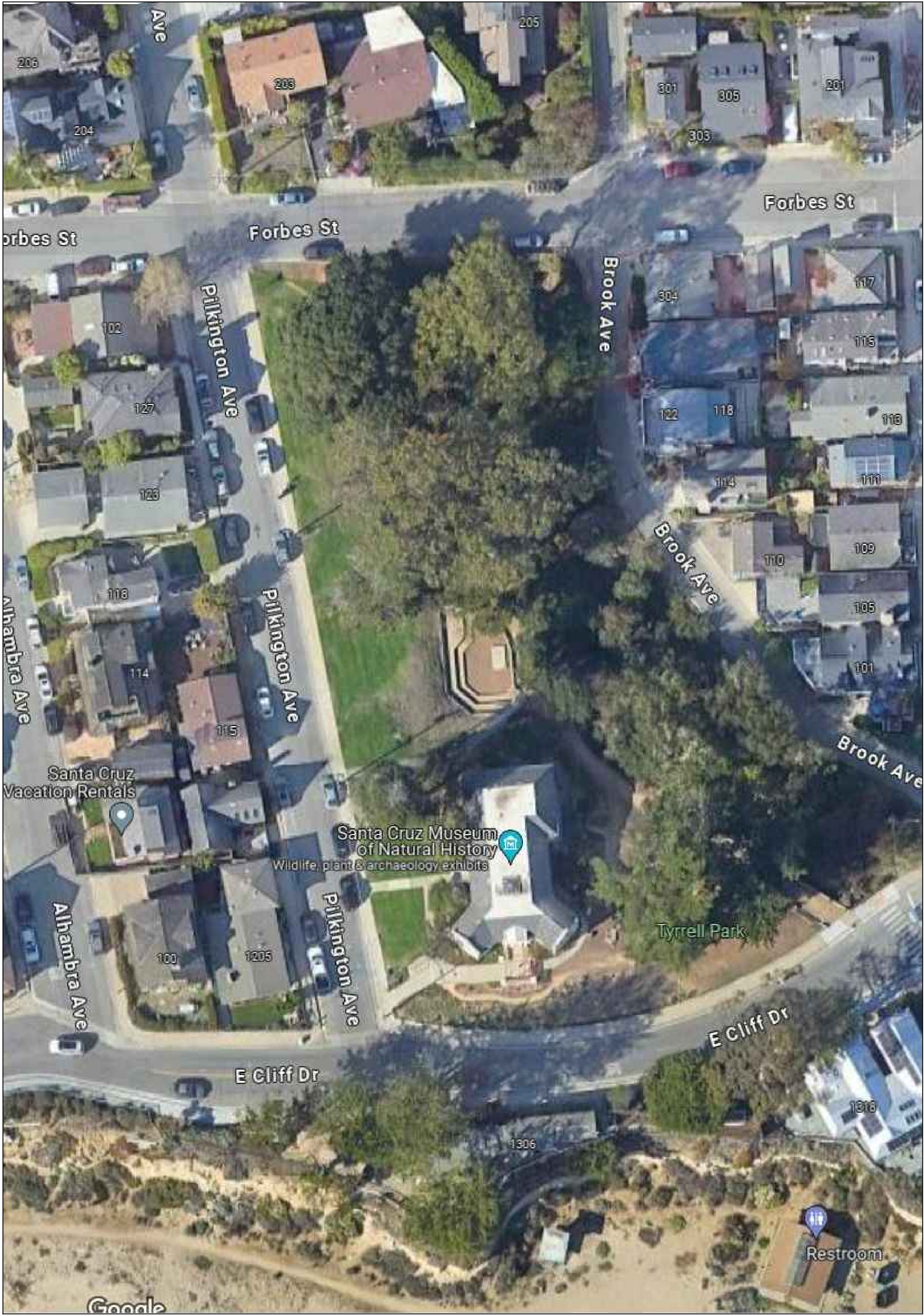
PROJECT DATA	PROJECT TEAM	PROJECT DATA	FLOOR AREA CALCULATIONS	VICINITY MAP
IN PARTNERSHIP WITH THE CITY OF SANTA CRUZ, THE MUSEUM OF NATURAL HISTORY WILL RESTORE THE HISTORIC CARNEGIE LIBRARY BUILDING AND REMODEL AND EXPAND ON THE NON-HISTORIC PORTIONS OF THE MUSEUM ADDED IN THE 1960s THROUGH ITS BUILDING IMPROVEMENT PROJECT. THE PURPOSE OF THE PROJECT IS TO RENOVATE AND MODERNIZE THE BUILDING TO CONTINUE TO SERVE THE MUSEUM'S MISSION - TO CONNECT PEOPLE WITH NATURE AND SCIENCE TO INSPIRE STEWARDSHIP OF THE NATURAL WORLD. THE PROJECT WILL: ADAPT THE PHYSICAL INFRASTRUCTURE TO PRESERVE HISTORIC PARTS OF THE BUILDING, INCREASE SAFETY AND EFFICIENCY AND PROTECT THE MUSEUM'S INVALUABLE COLLECTION; ENHANCE ACCESSIBILITY AND FUNCTIONALITY THROUGH REMODELED SPACES THAT SERVE THE MUSEUM'S NEEDS AND THOSE OF THE COMMUNITY AND ADVANCE THE MUSEUM'S MISSION THROUGH ENHANCED VISITOR EXPERIENCES AND ACCOMMODATIONS. THE MUSEUM BUILDING CURRENTLY SERVES AS AN EXHIBIT HALL, CLASSROOM, RETAIL SPACE, EVENT VENUE, OFFICE, WORKSHOP AND COLLECTIONS STORAGE. WITH THE NEW PROJECT THE SAME USES WILL OCCUR IN A PURPOSE DESIGNED BUILDING AND NEW CLASSROOM TO SERVE THE MUSEUM COMMUNITY FOR THE NEXT 50 YEARS. SET IN TYRRELL PARK, THE MUSEUM WILL CONTINUE TO MAINTAIN A LEARNING GARDEN SURROUNDING THE BUILDING. THE AMPHITHEATER WILL BE REBUILT IN THE SAME LOCATION TO IMPROVE ACCESSIBILITY. PATHWAYS AROUND THE MUSEUM, IN THE PARK AND TO THE ICONIC WHALE SCULPTURE WILL BE MADE ACCESSIBLE.	APPLICANT:	FELICIA VAN STOLK, EXEC. DIRECTOR 1305 E. CLIFF DRIVE SANTA CRUZ, CA 95062 (831) 420-6115 x 11 felicia@santacruzmuseum.org	PROJECT ADDRESS: 1305 EAST CLIFF DRIVE SANTA CRUZ, CA 95062	
	DESIGN ARCHITECT:	TOM THACHER ARCHITECT 215 OREGON STREET SANTA CRUZ, CA 95060 (831) 566-3079 CONTACT: tom@tntarch.com	APN #: 010-282-01	
	OWNER'S REPRESENTATIVE:	NIELSEN STUDIOS 1509 SEABRIGHT AVENUE SANTA CRUZ, CA 95062 (831) 621-3926 x 101 t.gordon@nielsen.team	ZONING: PK-PARK, PF-PUBLIC FACILITY	
	CIVIL ENGINEER:	IFLAND ENGINEERS 1509 SEABRIGHT AVE. SUITE A2 SANTA CRUZ, CA 95062 (831) 426-5313 mregan@iflandengineers.com	SHEET INDEX	
APPROVAL AGENCIES	SURVEYOR:	EDMUNSON SURVEYS 1512 SEABRIGHT AVE. SANTA CRUZ, CA 95062 (831) 425-1796 olin@edmundsonsurveys.com	ARCHITECTURAL	
	LANDSCAPE ARCHITECT:	RHAA 225 MILLER AVENUE MILL VALLEY, CA 94941 (XXX) XXX-XXXX xxxx	SHEET	
	ARCHITECTURAL HISTORIAN:	STEVEN FARNETH ARCHITECTURAL RESOURCES GROUP PIER 9, THE EMBARCADERO, SUITE 107 SAN FRANCISCO, CA 94111 (415) 264-3082 steve@argsf.com	A1: SITE PLAN, PROJECT DATA A2: SITE PLAN A3: EXISTING PLANS A4: PROPOSED FLOOR PLANS A5: PROPOSED ELEVATIONS A6: ROOF PLAN & SECTIONS A7: SHADOW STUDY A8: SHADOW STUDY A9: COLORS AND MATERIALS A10: COLORS AND MATERIALS	
			CIVIL ENGINEERING	
PLANNING & BUILDING:	CITY OF SANTA CRUZ	C1.0: GRADING AND DRAINAGE C2.0: STORM WATER CONTROL	EXISTING	
FIRE:	SANTA CRUZ FIRE DEPT.	LANDSCAPE	LOWER LEVEL	
WATER:	SANTA CRUZ WATER DEPT.	L1.00: LANDSCAPE SITE PLAN L1.01: PLANTING PLAN & SCHEDULE L2.0: PLANTING PLAN & SCHEDULE	AREA	
		SURVEY SHEET 1 SURVEY SHEET 2	PROPOSED	
			LOWER LEVEL	
			AREA	
			OFFICE COLLECTIONS LOBBY / RESTROOMS STORAGE	
			AREA	
			OFFICE COLLECTIONS LOBBY / RESTROOMS STORAGE STAIRS / CIRCULATION	
			AREA	
			TOTAL LOWER LEVEL	
			AREA	
			UPPER LEVEL	
			AREA	
			EXHIBIT AREA RECEPTION LOBBY GIFT SHOP STORAGE RESTROOM	
			AREA	
			TOTAL UPPER LEVEL	
			AREA	
			COMMUNITY ROOM LOBBY / RESTROOMS STORAGE CATERING TRASH	
			AREA	
			TOTAL MID LEVEL	
			AREA	
			UPPER LEVEL	
			AREA	
			EXHIBIT AREA RECEPTION LOBBY GIFT SHOP STORAGE RESTROOM	
			AREA	
			TOTAL UPPER LEVEL	
			AREA	
			ATTIC STORAGE	
			AREA	
			TOTAL BUILDING AREA	
			AREA	
			LOWER LEVEL PATIO UPPER LEVEL TERRACE	
			AREA	
			AREA	
			AREA	

MUSEUM OF NATURAL HISTORY
1305 EAST CLIFF DRIVE, SANTA CRUZ, CA

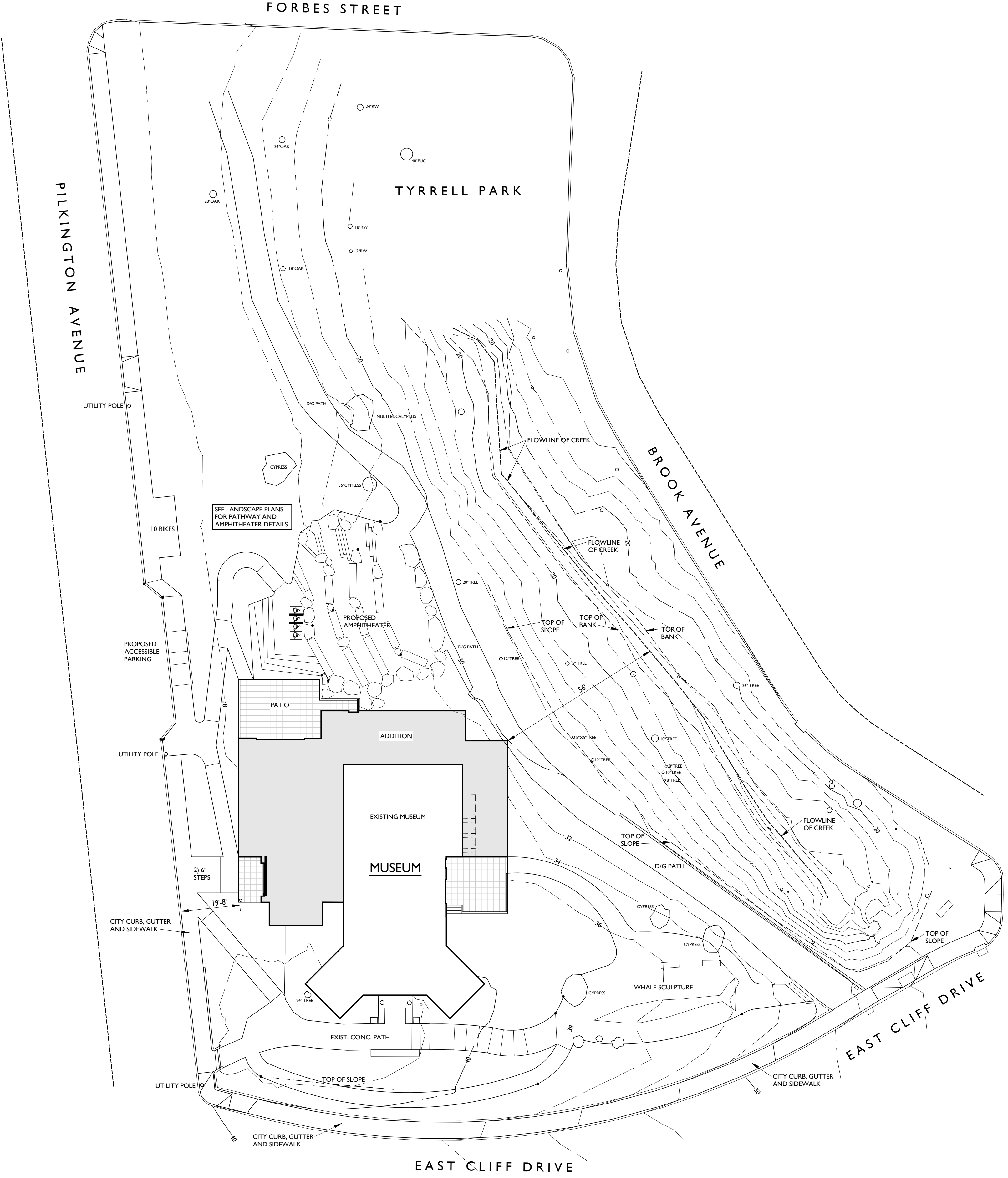
PROJECT INFORMATION



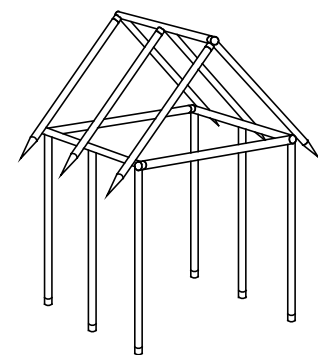
AI



1 AERIAL VIEW
SCALE: 1" = 20'-0"



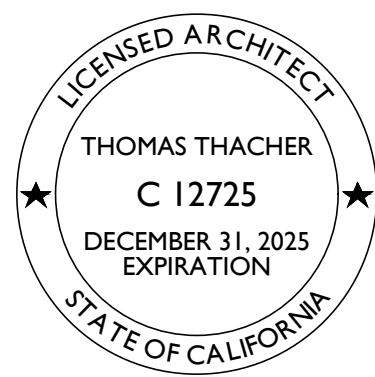
2 SITE PLAN
SCALE: 1" = 20'-0"

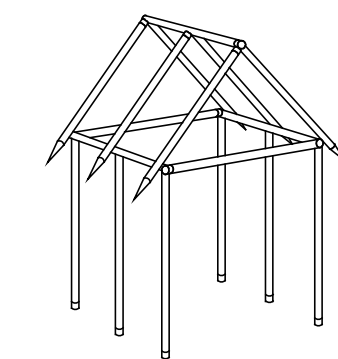


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1305 EAST CLIFF DRIVE, SANTA CRUZ, CA

SITE PLAN AND AERIAL VIEW

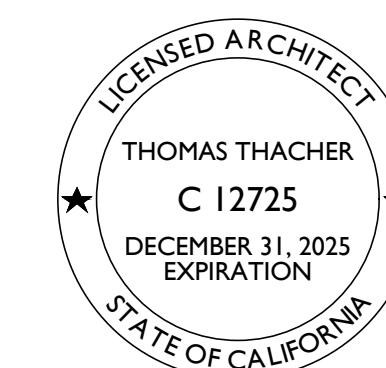




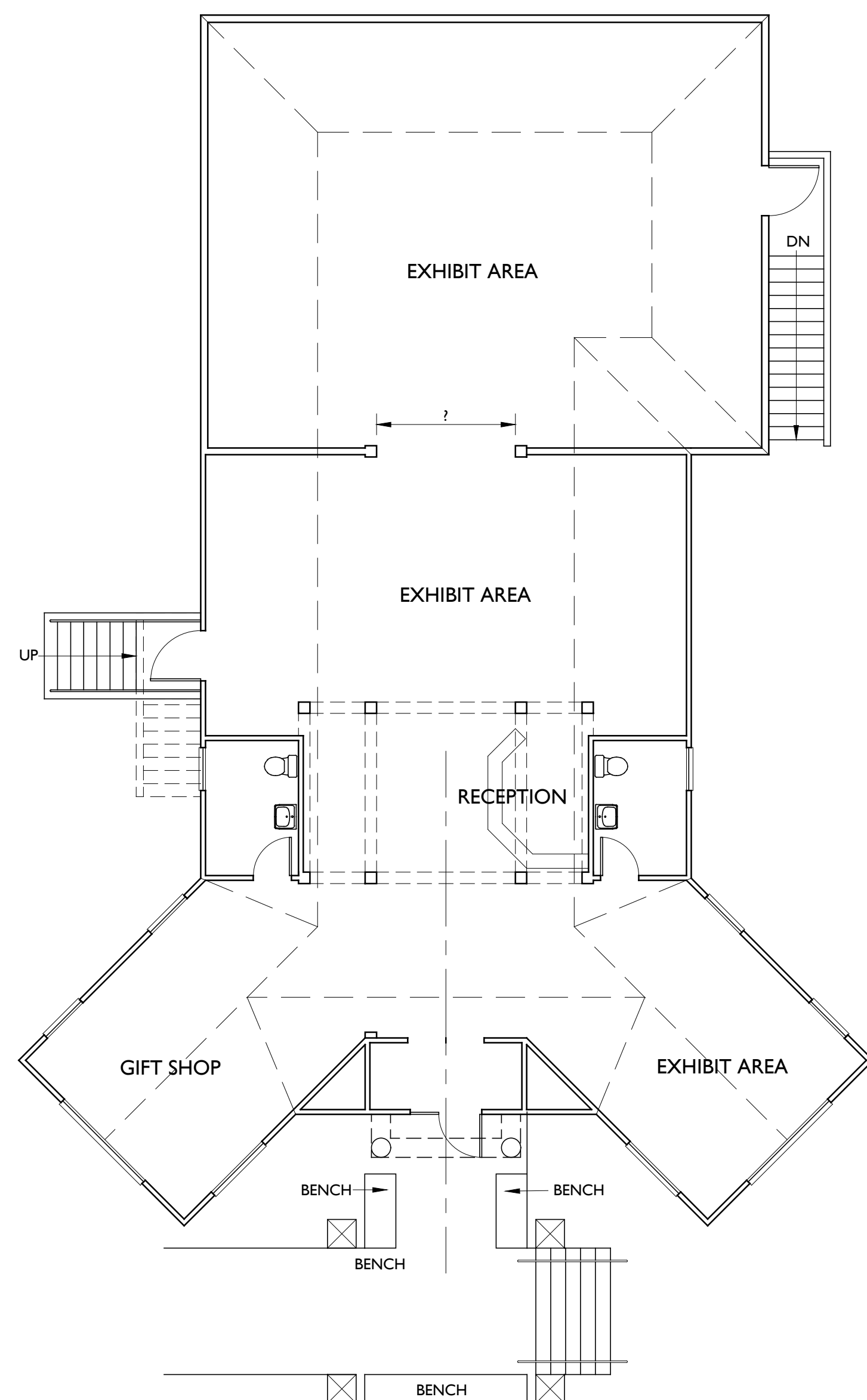
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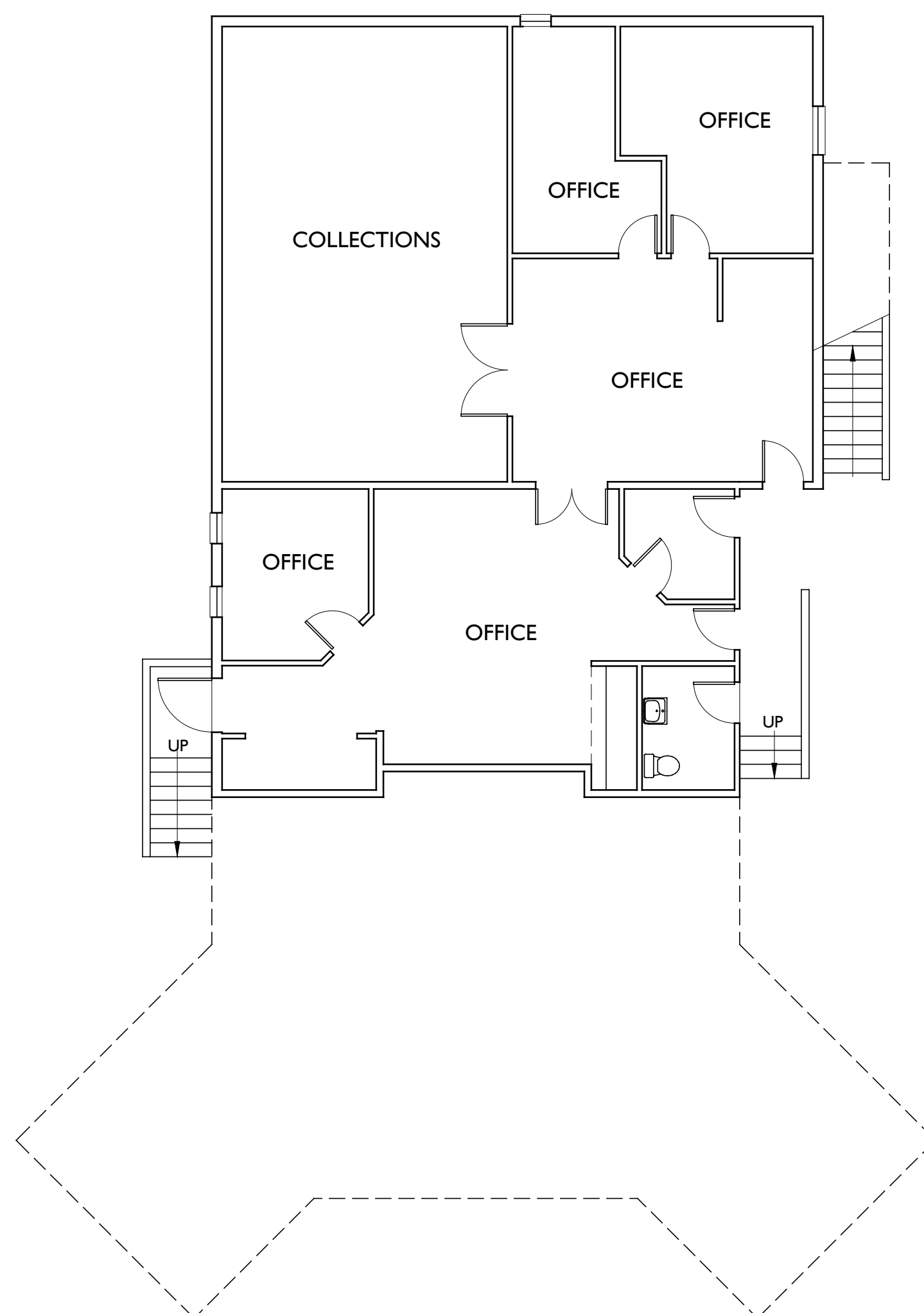
EXISTING PLANS AND ELEVATIONS



A3



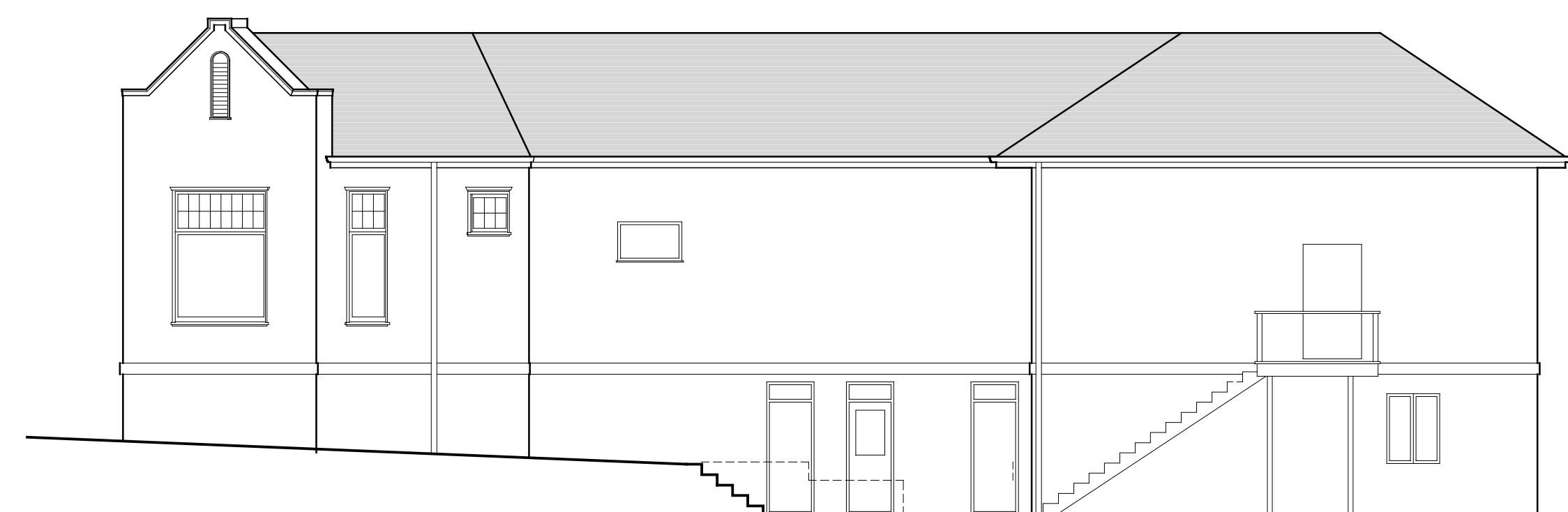
1 EXISTING UPPER LEVEL
SCALE: 1/8"=1'-0"



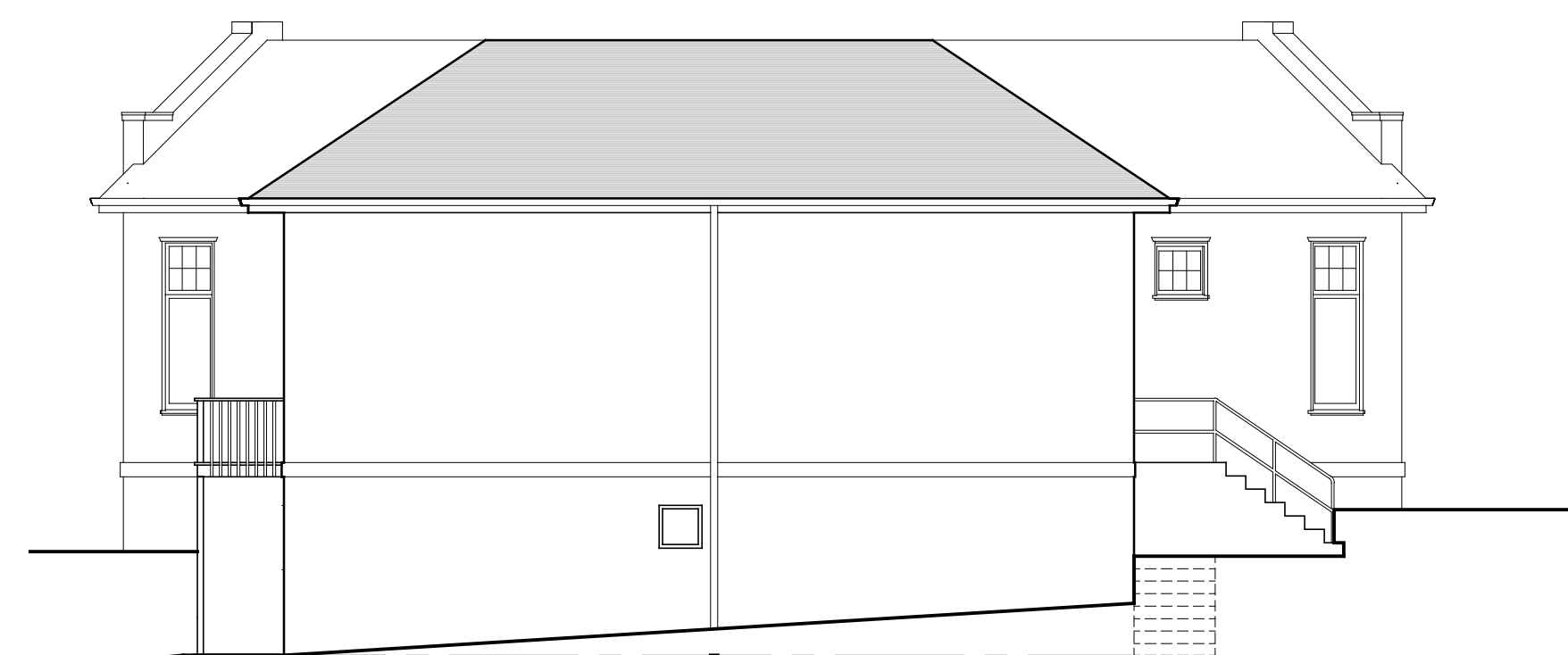
2 EXISTING LOWER LEVEL
SCALE: 1/8"=1'-0"



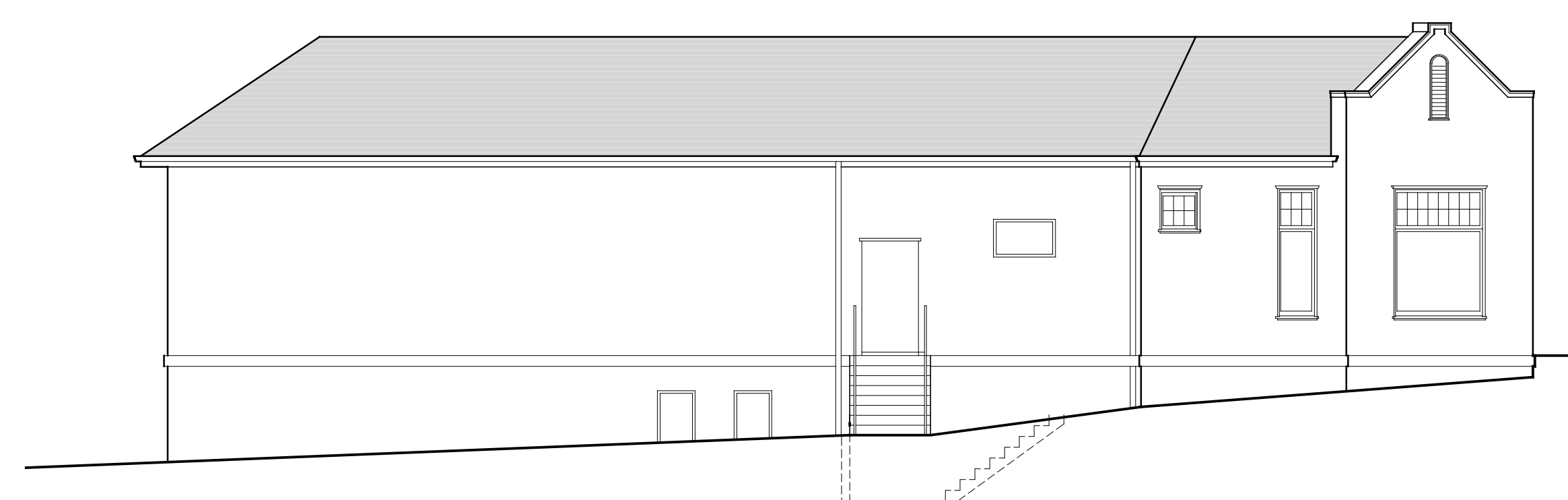
3 EXISTING SOUTH ELEVATION
SCALE: 1/8"=1'-0"



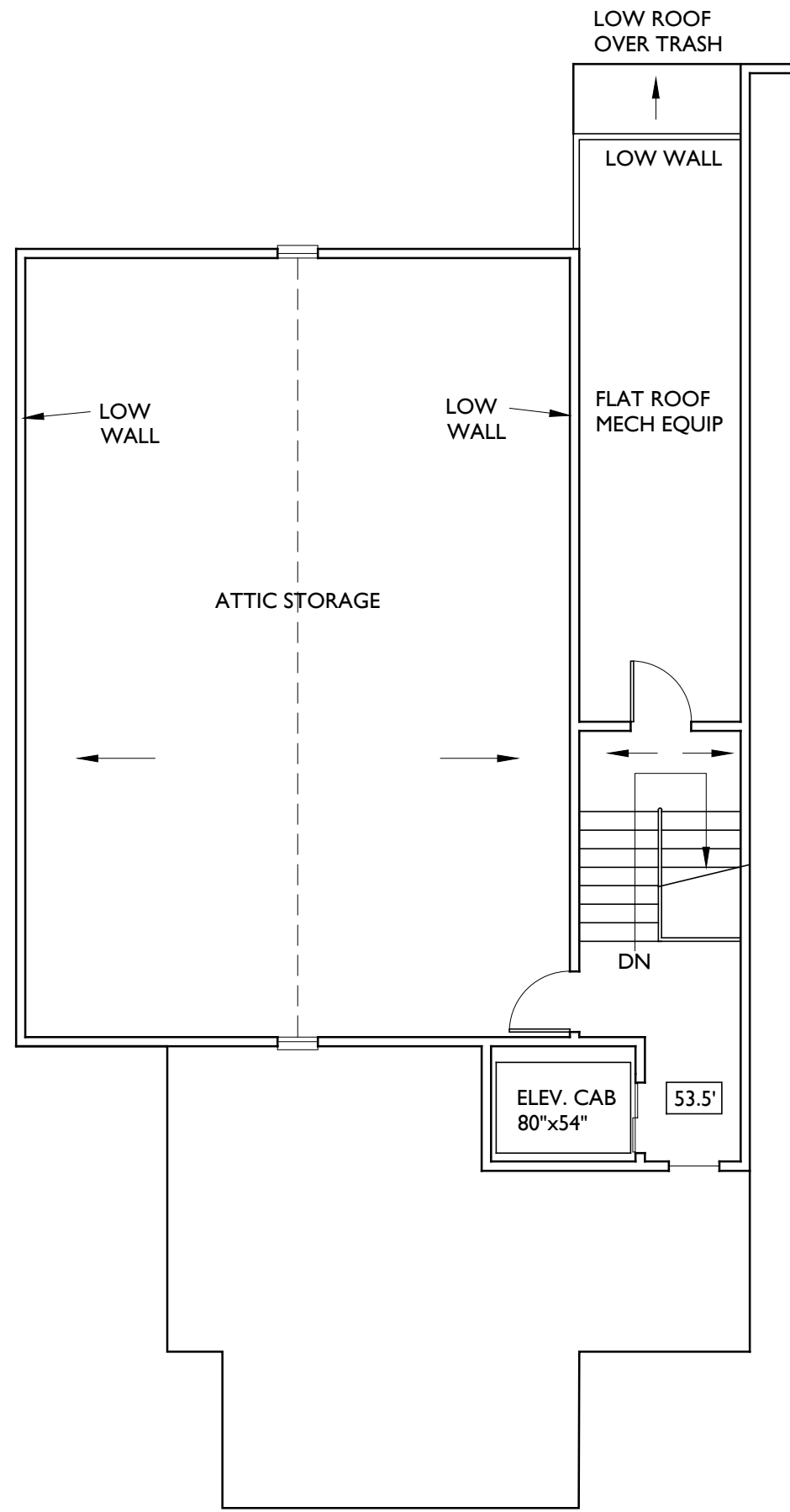
4 EXISTING EAST ELEVATION
SCALE: 1/8"=1'-0"



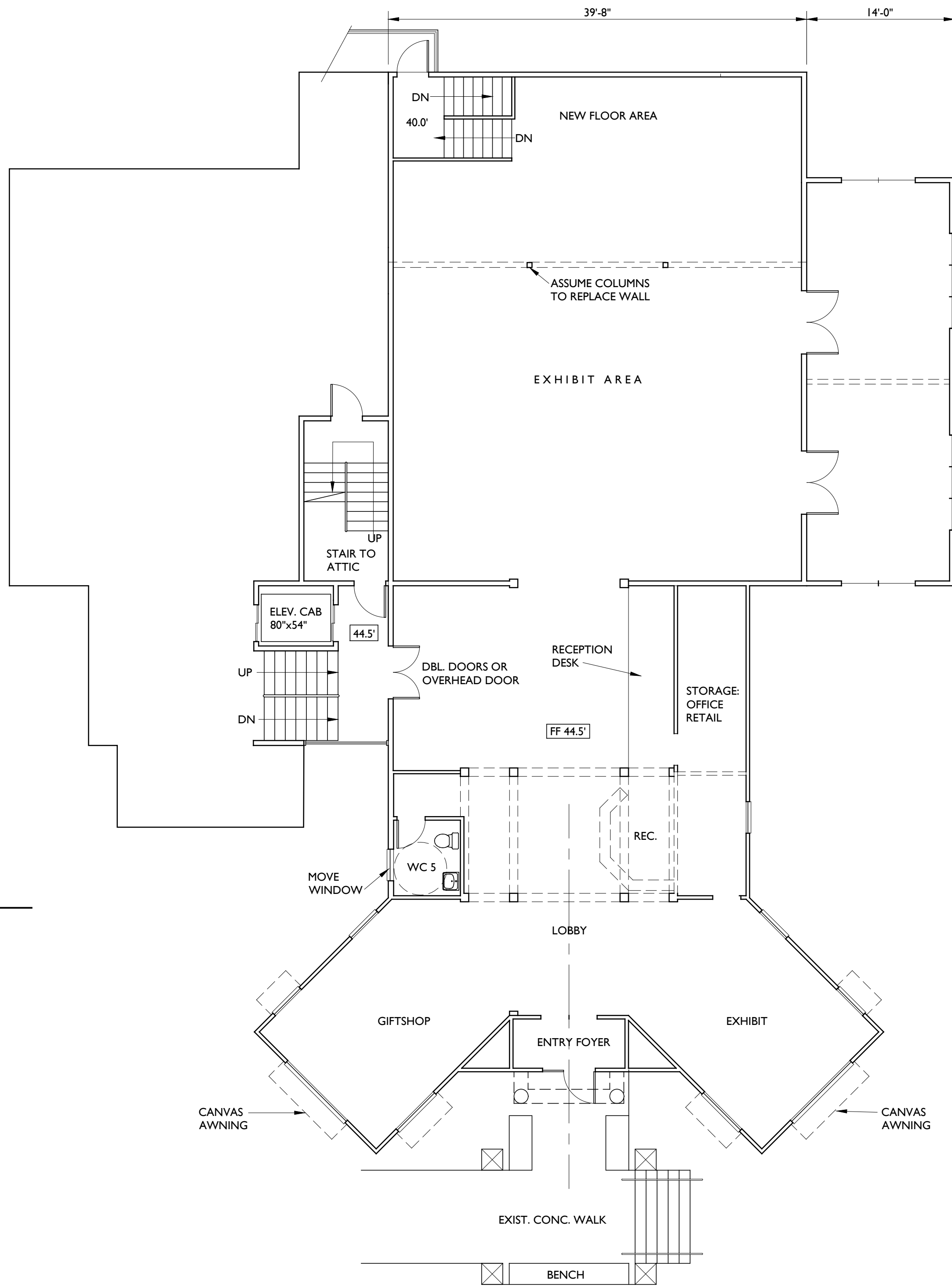
5 EXISTING NORTH ELEVATION
SCALE: 1/8"=1'-0"



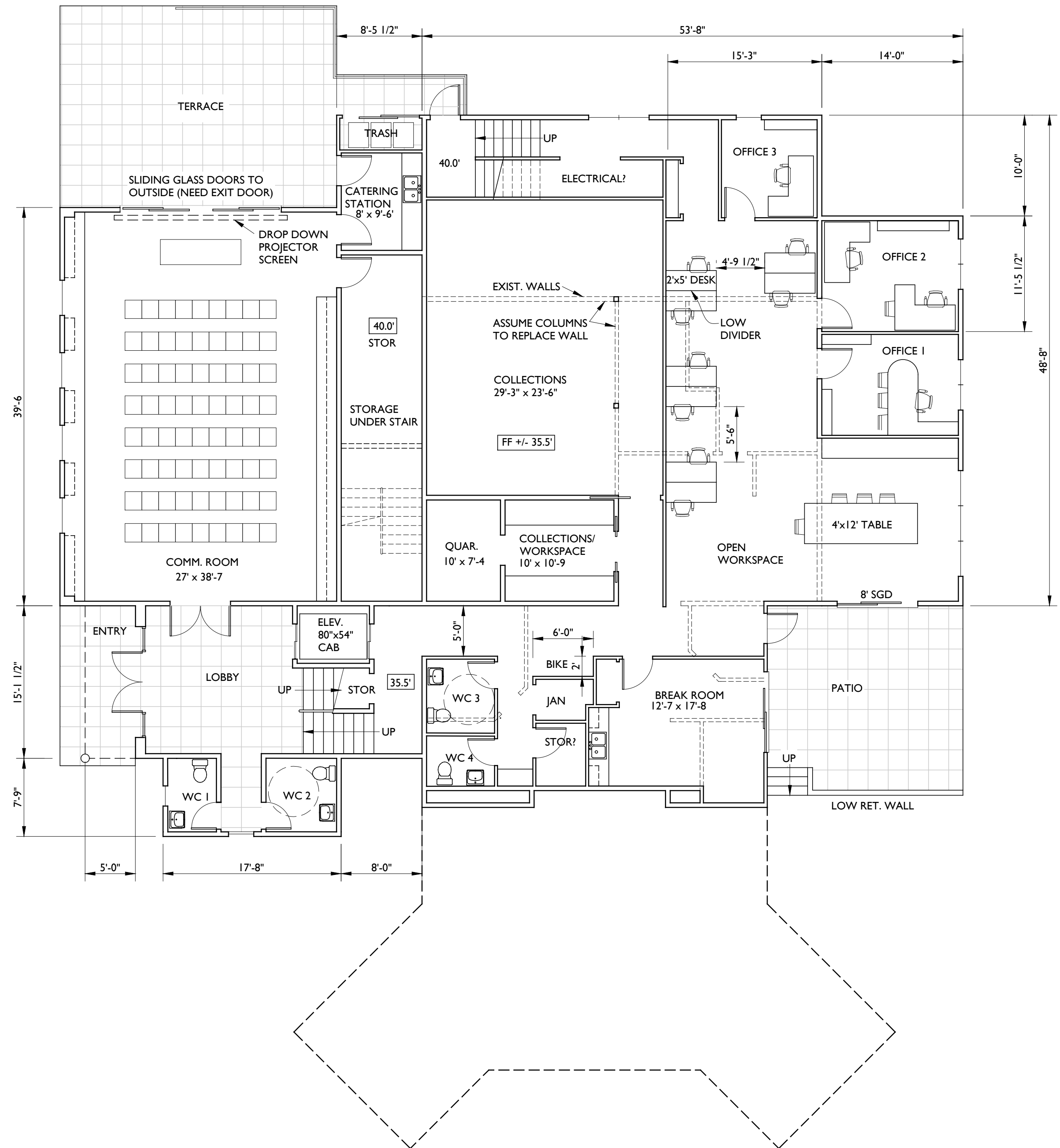
6 EXISTING WEST ELEVATION
SCALE: 1/8"=1'-0"



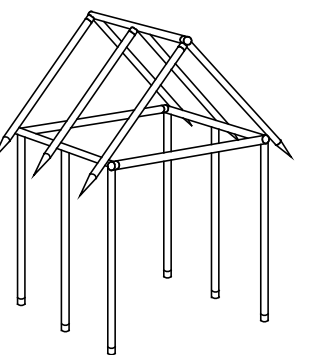
1 ATTIC STORAGE
SCALE: 1/8"=1'-0"



2 MID & UPPER LEVEL
SCALE: 1/8"=1'-0"



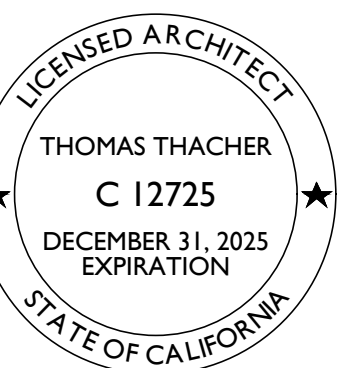
3 LOWER LEVEL
SCALE: 1/8"=1'-0"

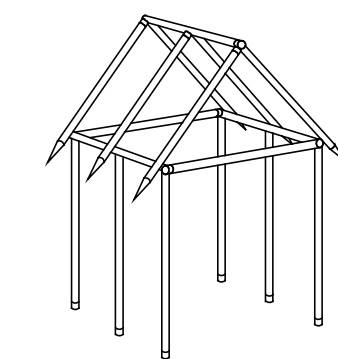


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1305 EAST CLIFF DRIVE, SANTA CRUZ, CA

PROPOSED FLOOR PLANS

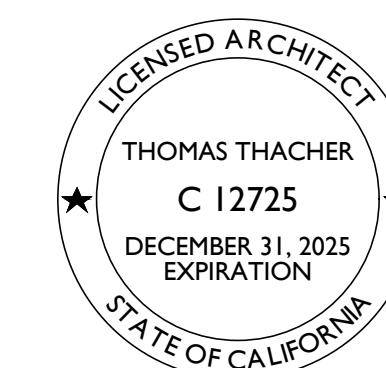




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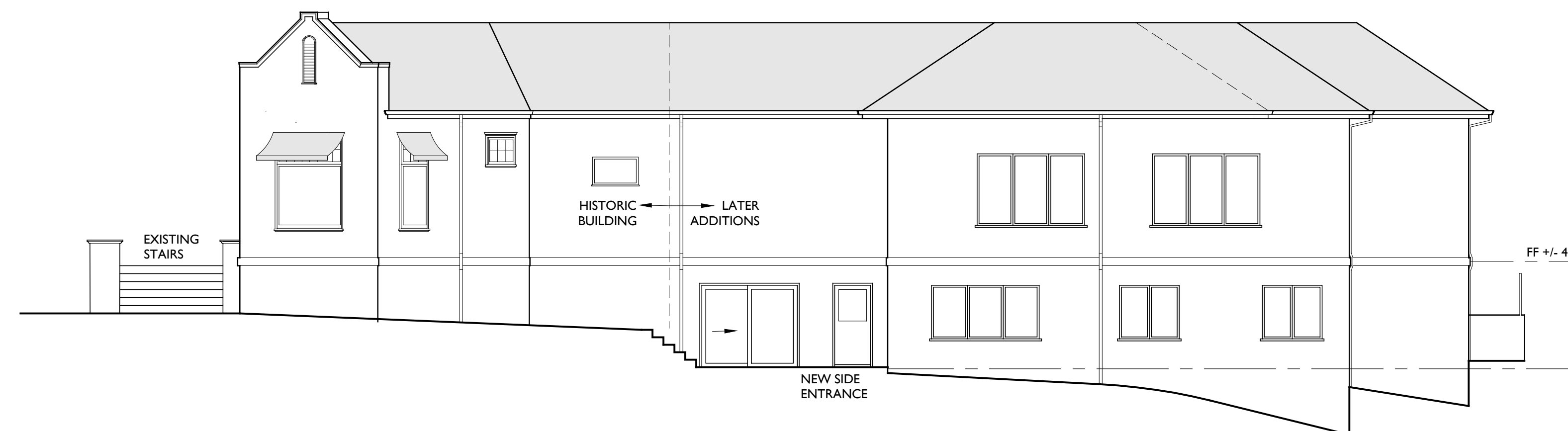
PROPOSED ELEVATIONS



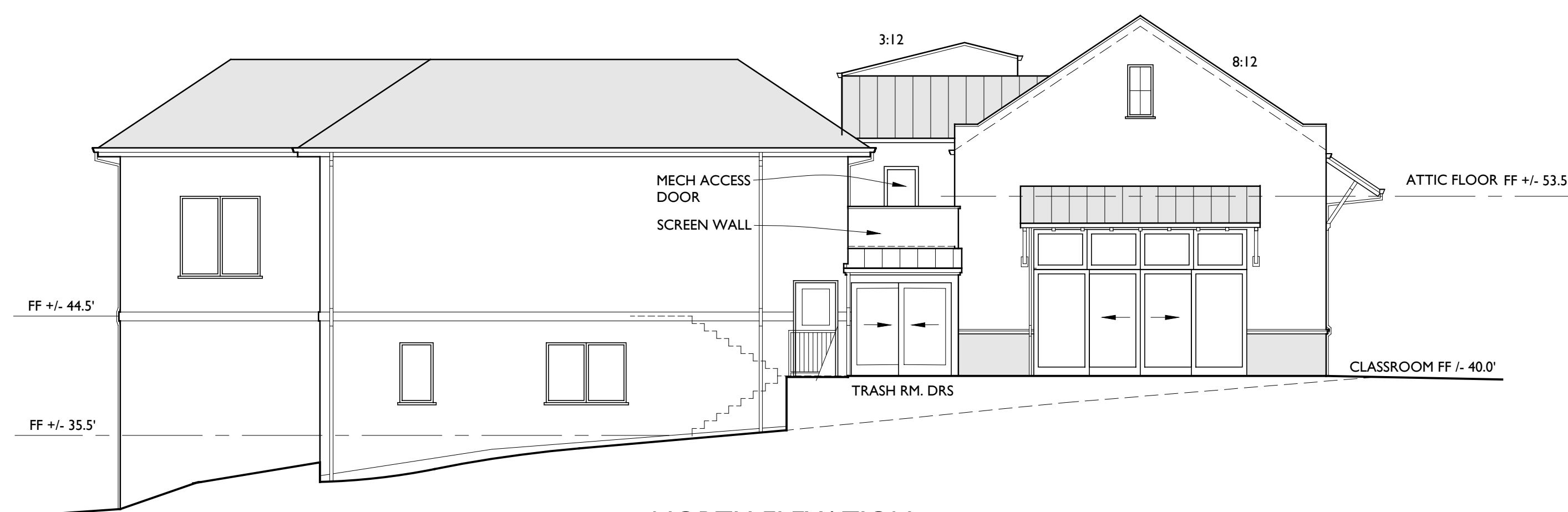
1 SOUTH ELEVATION
SCALE: 1/8"=1'-0"



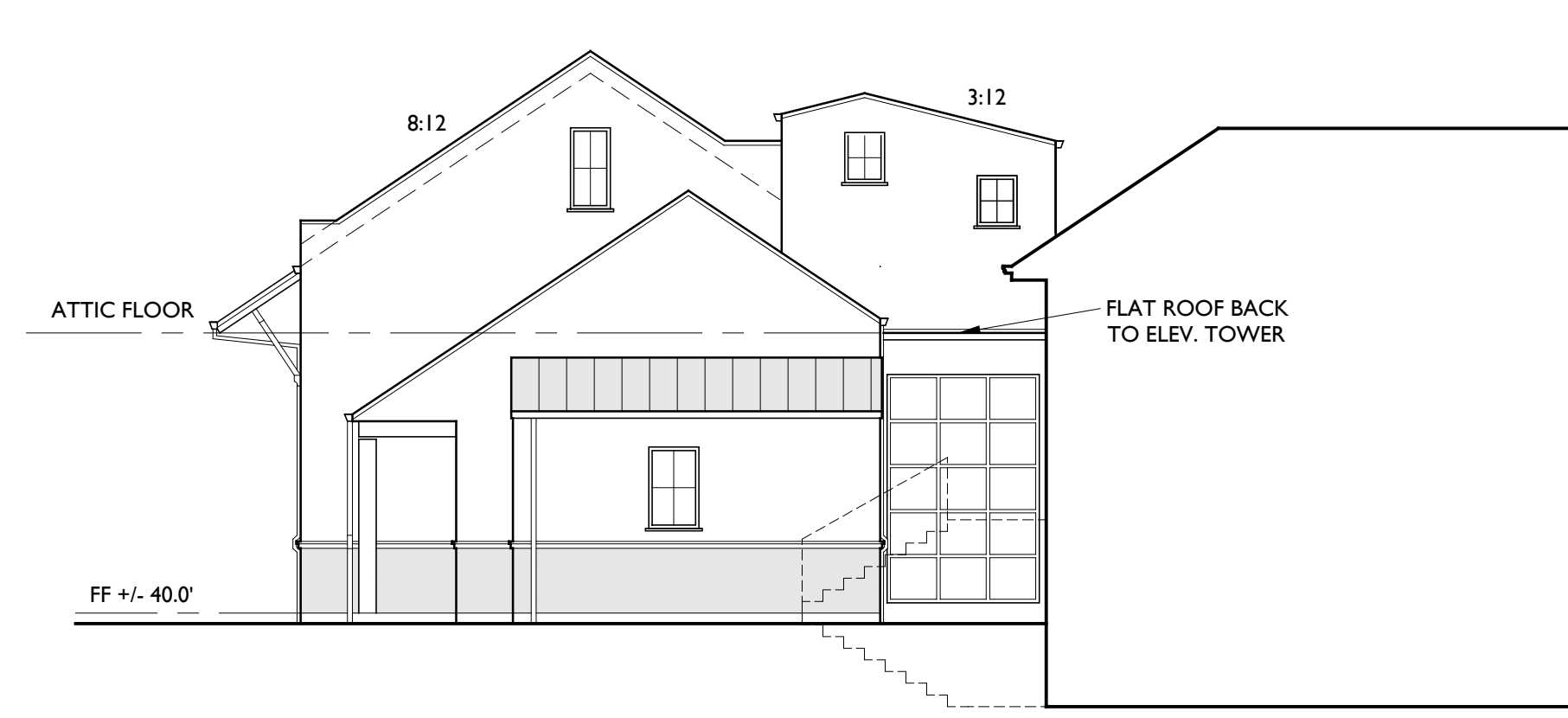
2 WEST ELEVATION
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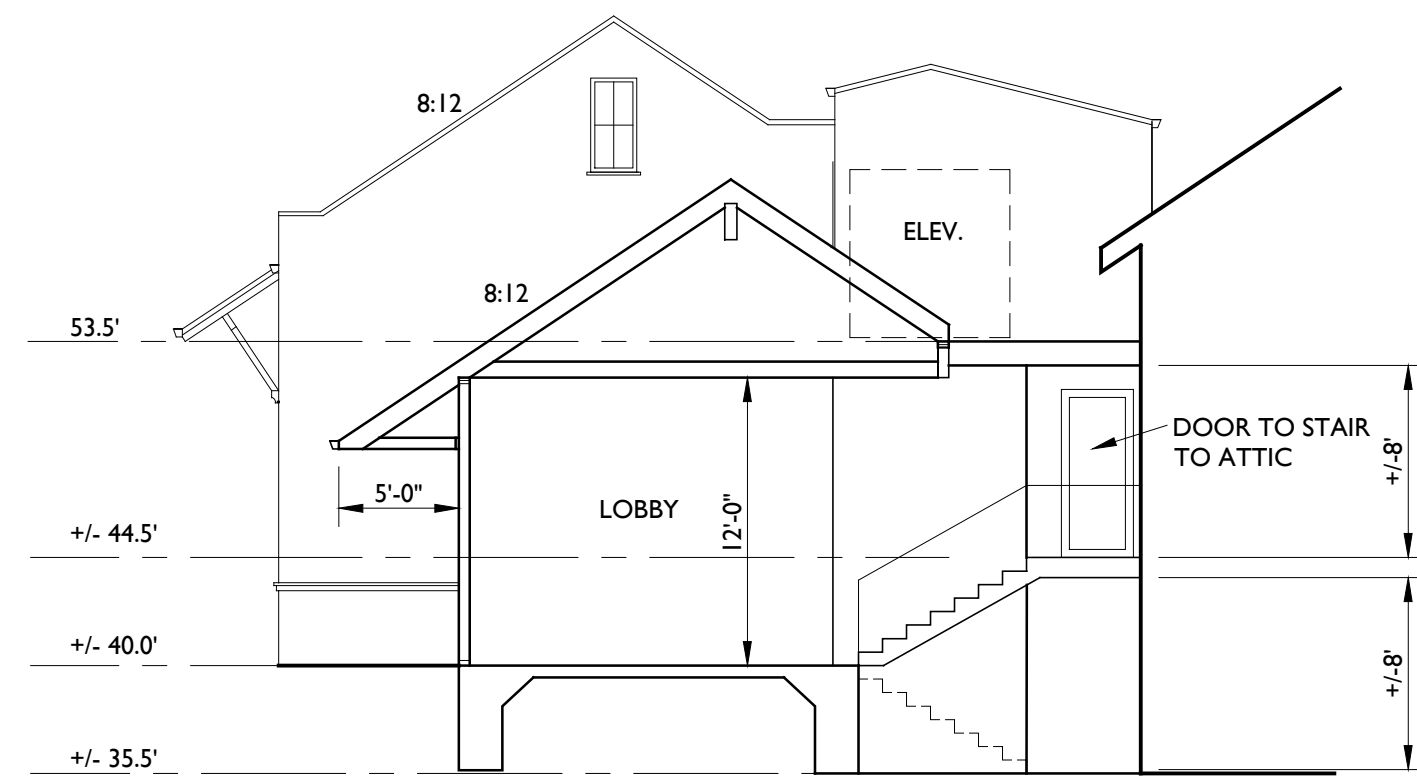
3 EAST ELEVATION
SCALE: 1/8"=1'-0"



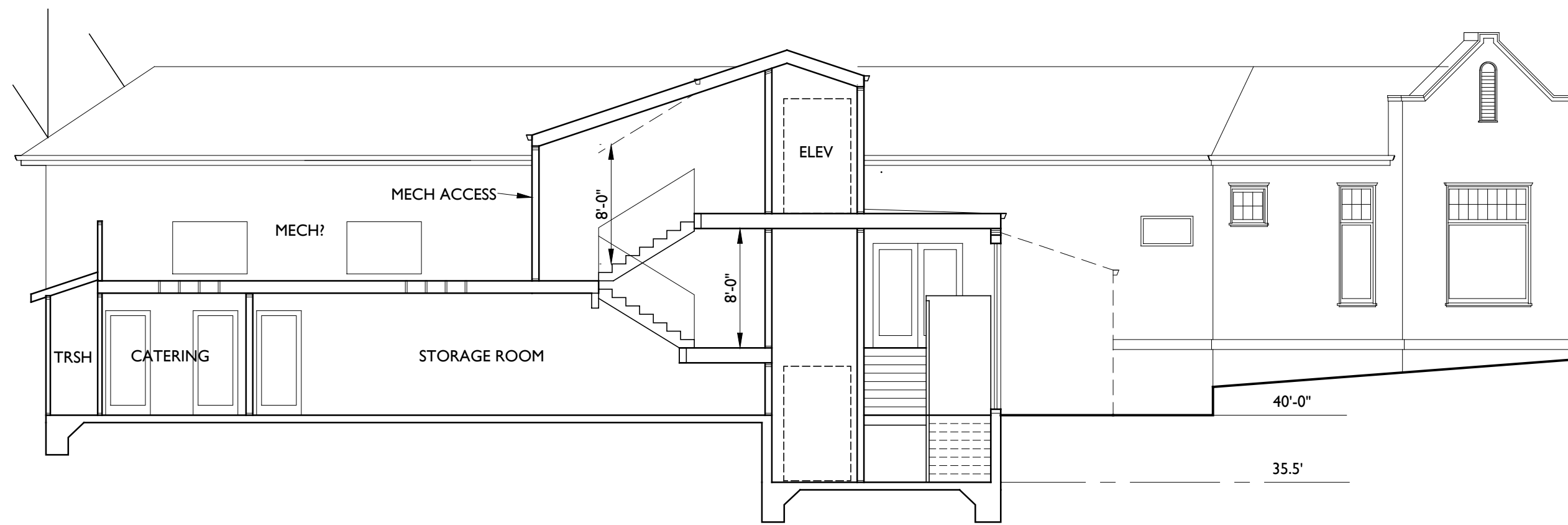
4 NORTH ELEVATION
SCALE: 1/8"=1'-0"



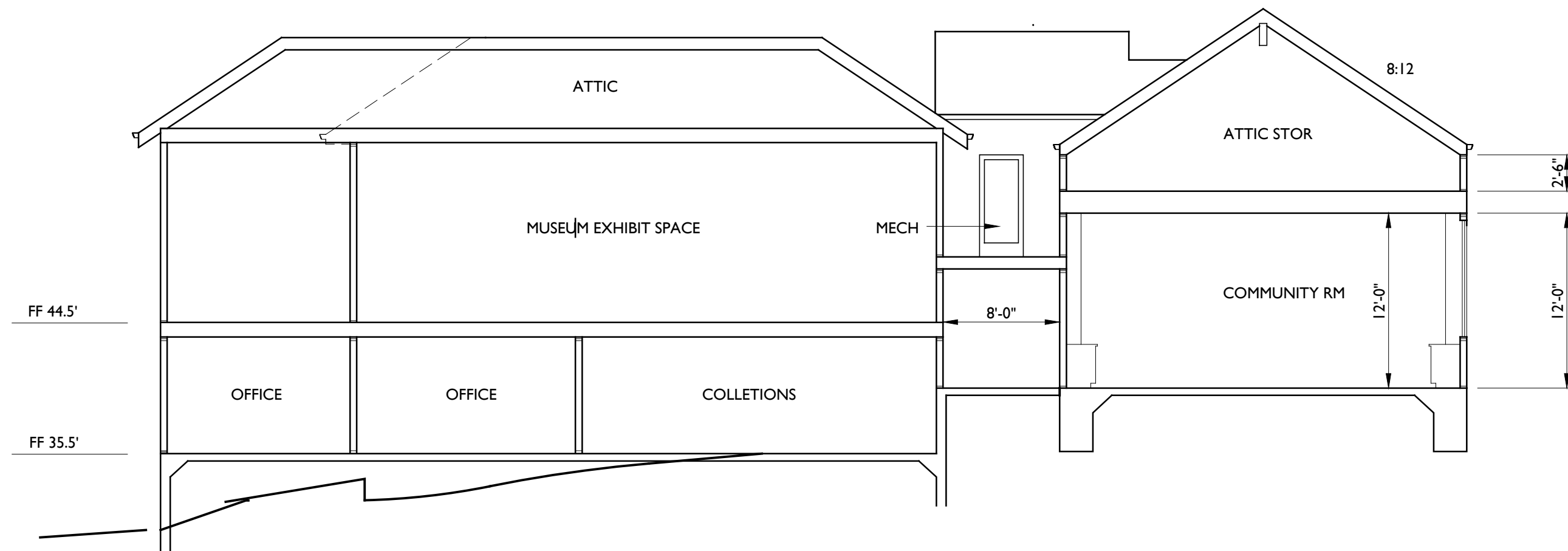
5 PARTIAL SOUTH ELEVATION
SCALE: 1/8"=1'-0"



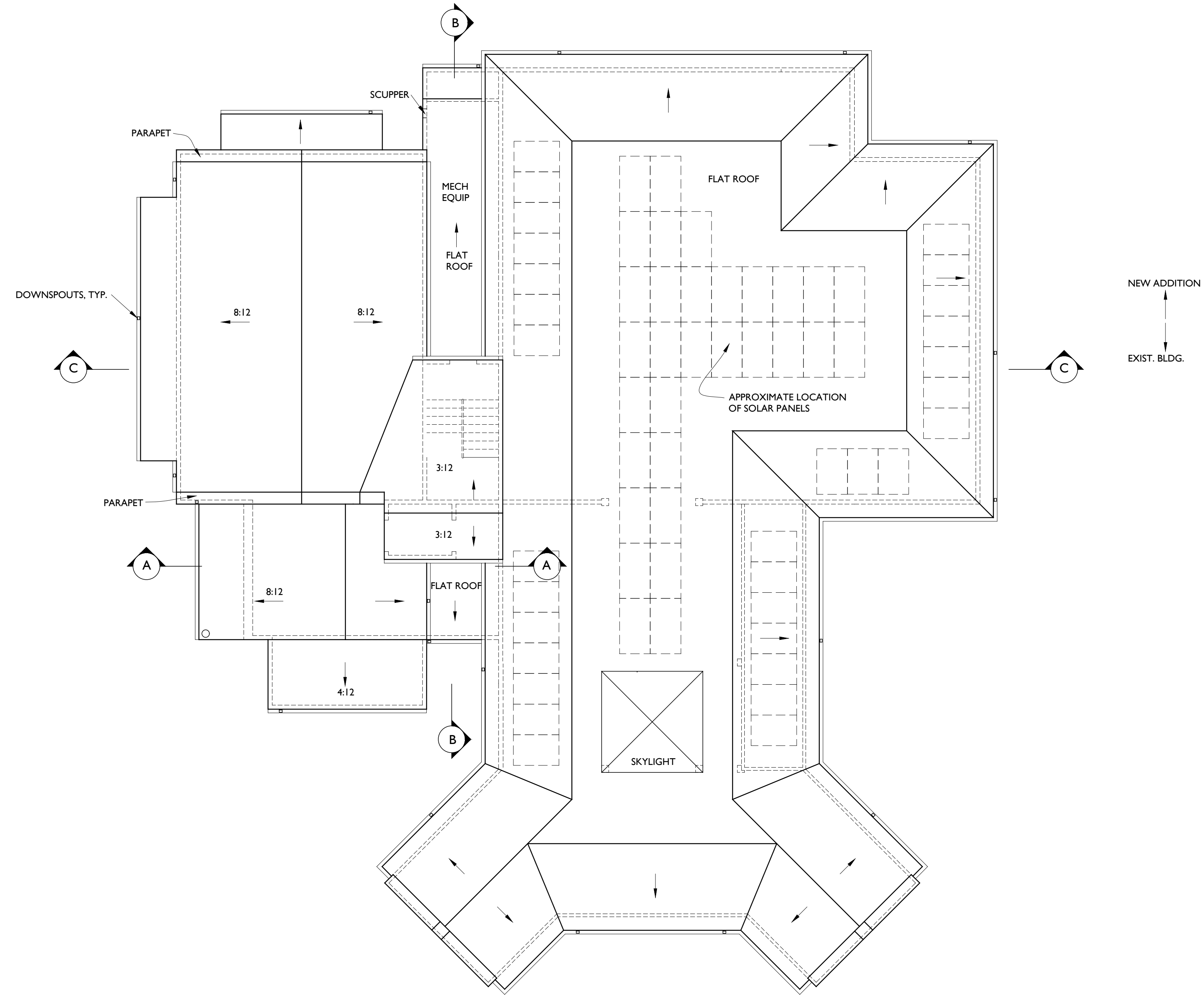
1 SECTION A
SCALE: 1/8"=1'-0"



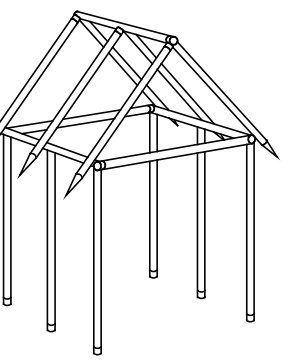
2 SECTION B
SCALE: 1/8"=1'-0"



3 SECTION C
SCALE: 1/8"=1'-0"



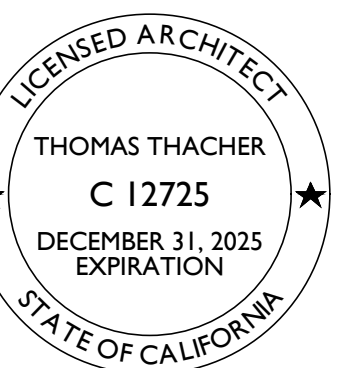
4 ROOF PLAN
SCALE: 1/8"=1'-0"



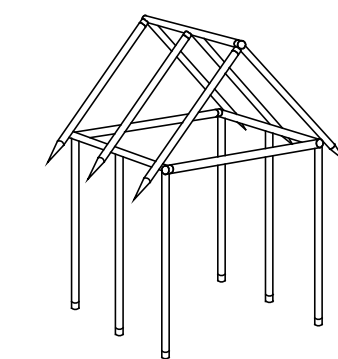
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SECTIONS AND ROOF PLAN



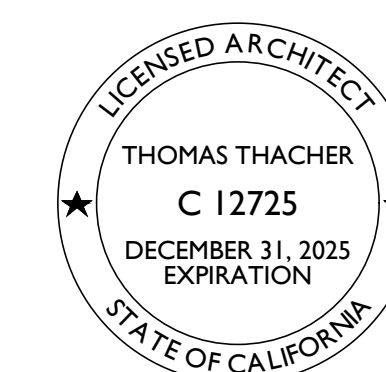
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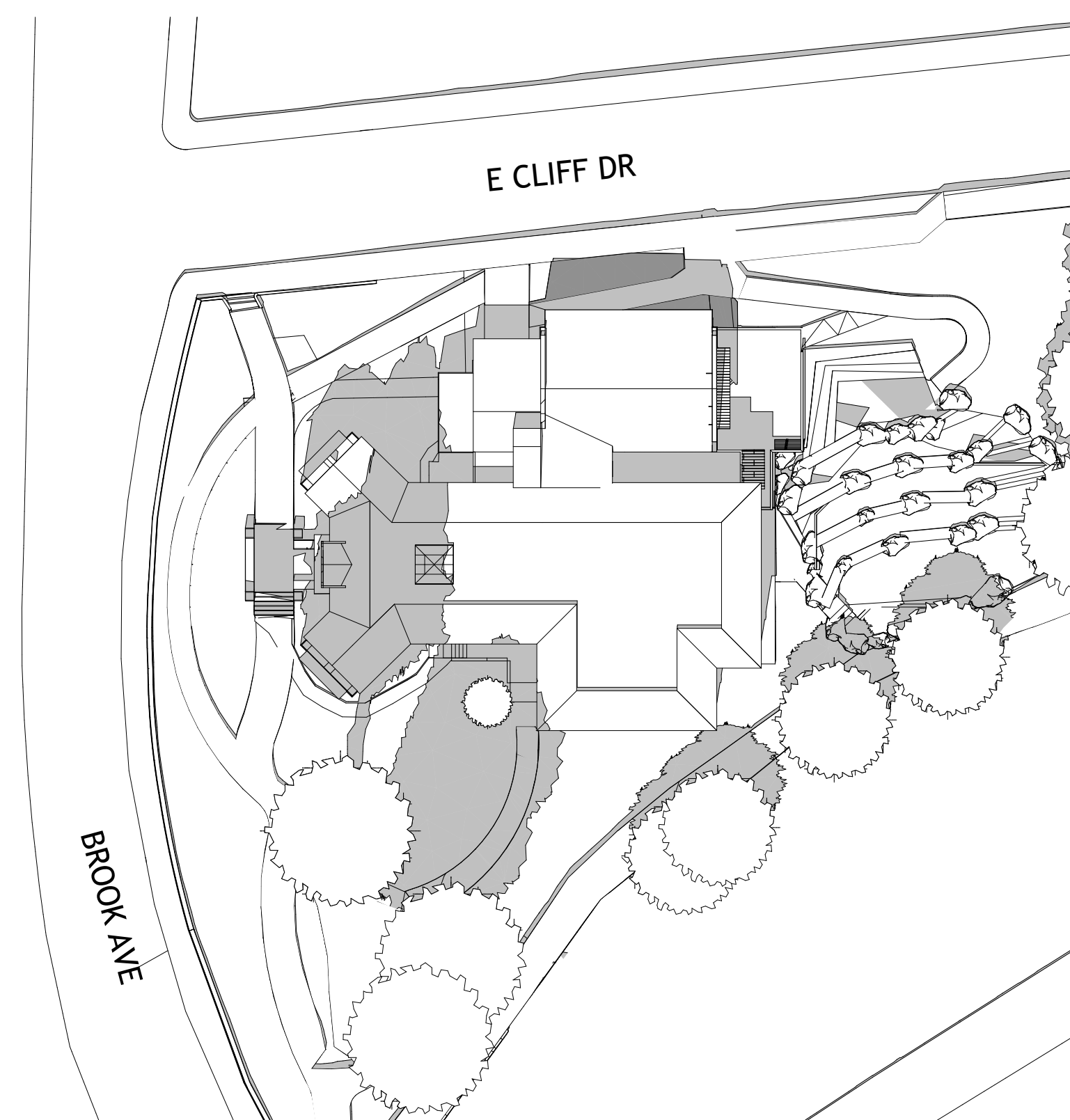
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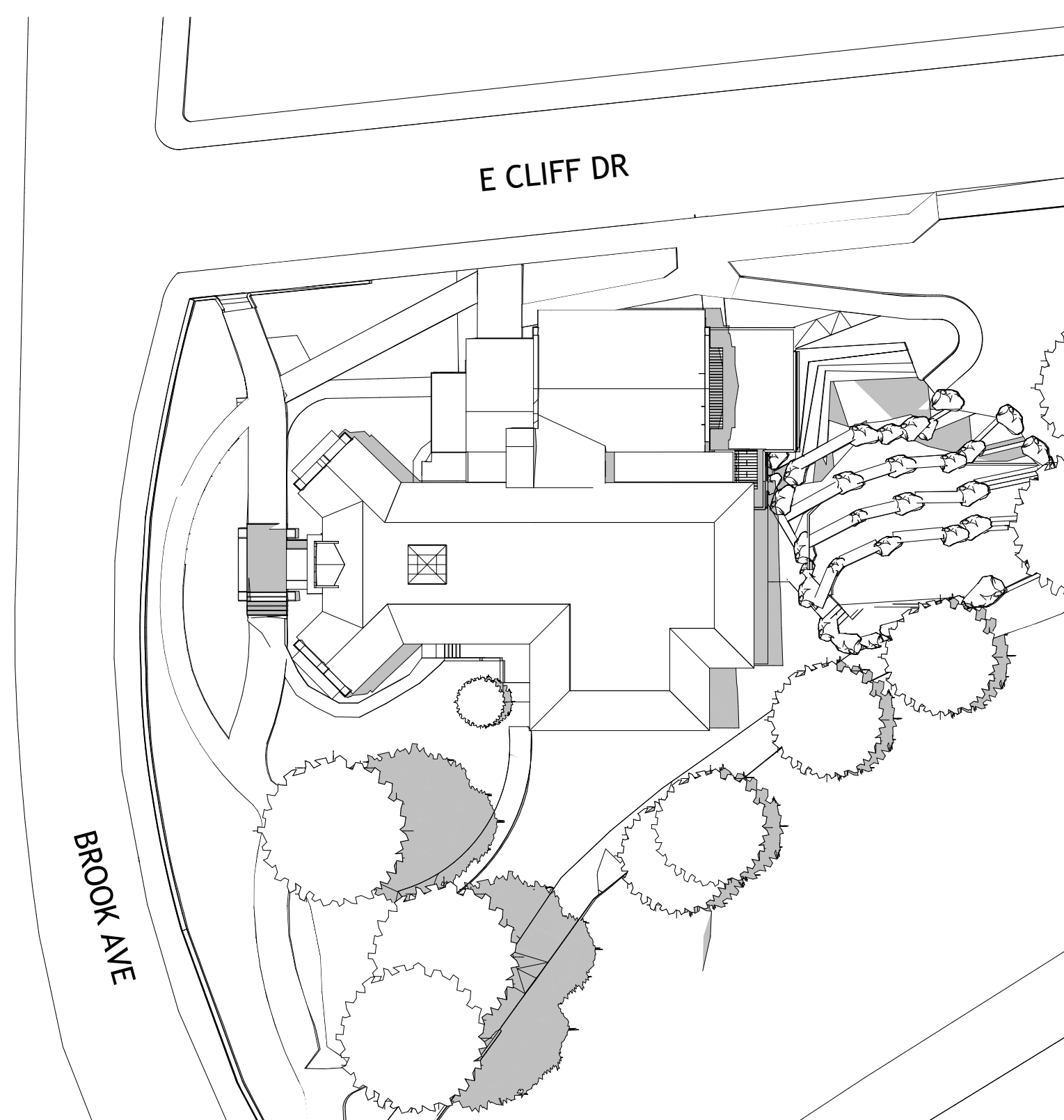
SHADOW STUDY



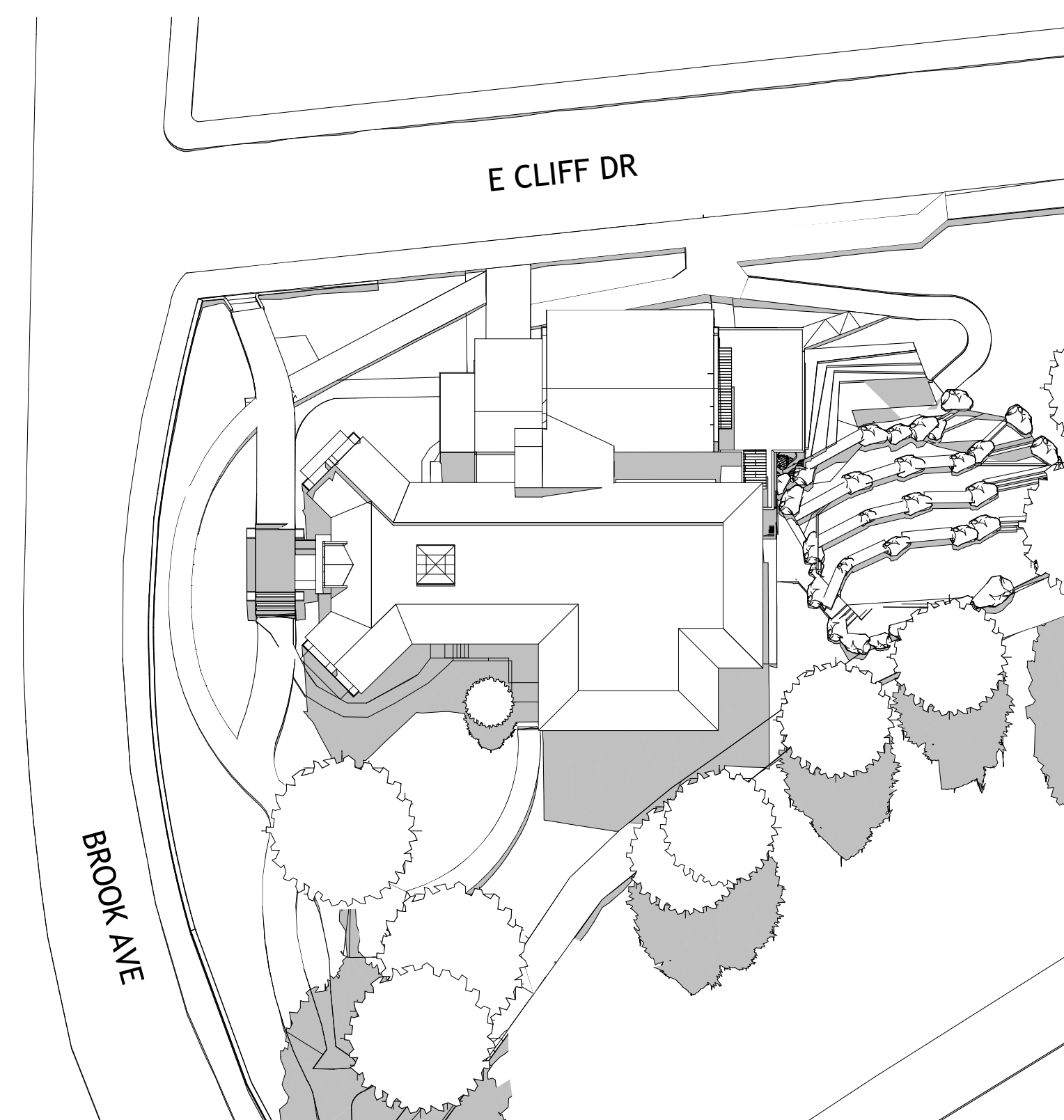
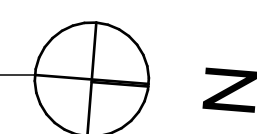
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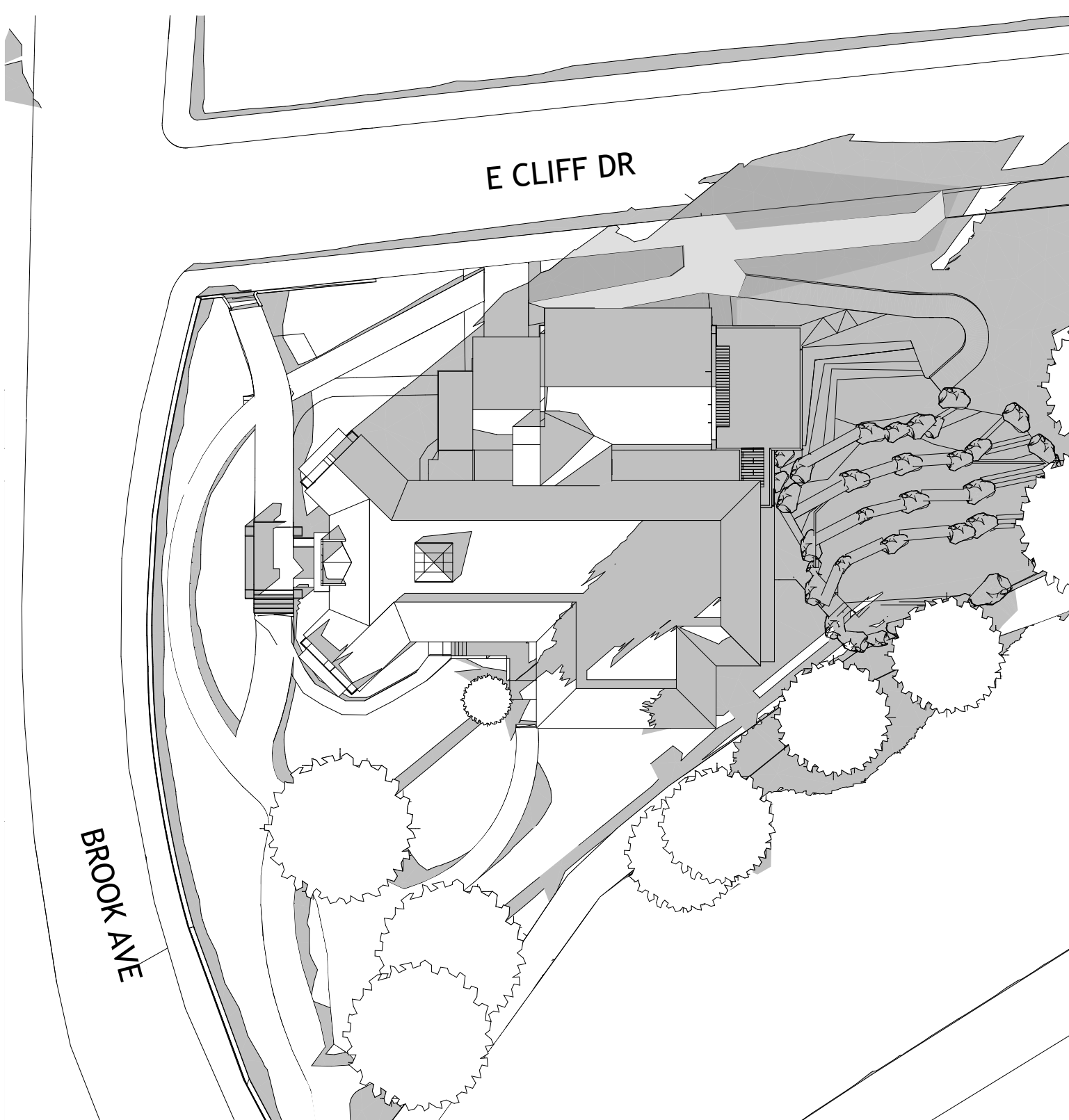
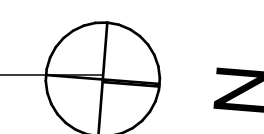
1 SUMMER SOLSTICE (JUNE 20TH) 9AM SHADOW STUDY
SCALE: 1" = 30'



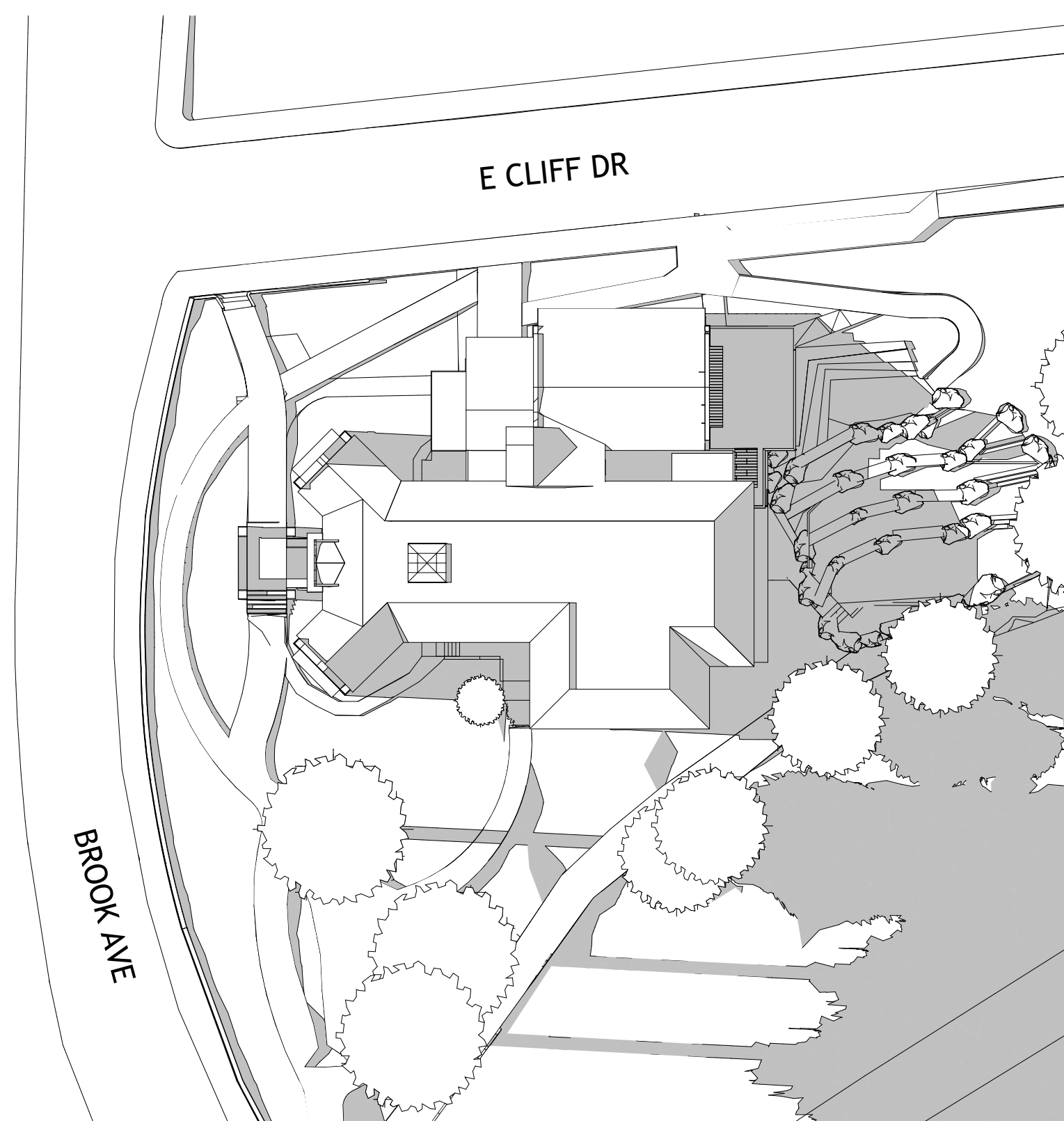
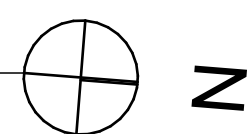
2 SUMMER SOLSTICE (JUNE 20TH) 12PM SHADOW STUDY
SCALE: 1" = 30'



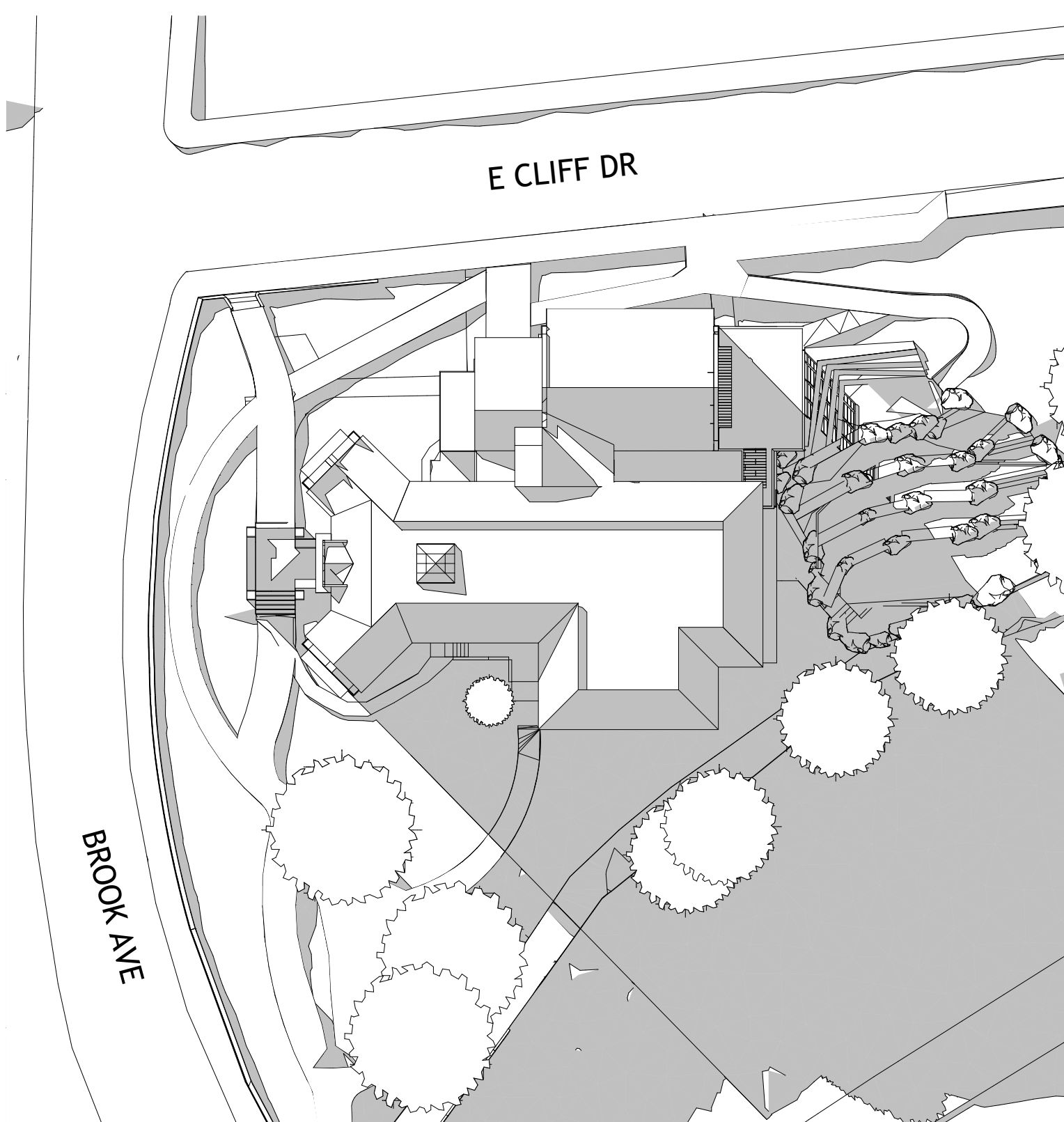
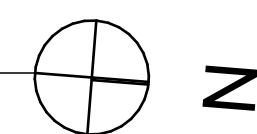
3 SUMMER SOLSTICE (JUNE 20TH) 3PM SHADOW STUDY
SCALE: 1" = 30'



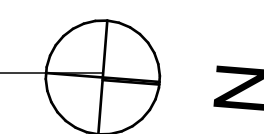
4 WINTER SOLSTICE (DEC 21ST) 9AM SHADOW STUDY
SCALE: 1" = 30'

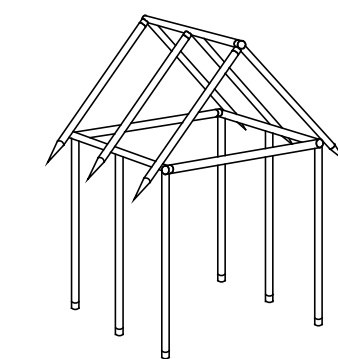


5 WINTER SOLSTICE (DEC 21ST) 12PM SHADOW STUDY
SCALE: 1" = 30'



6 WINTER SOLSTICE (DEC 21ST) 3PM SHADOW STUDY
SCALE: 1" = 30'

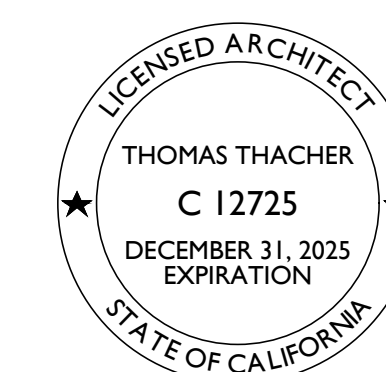




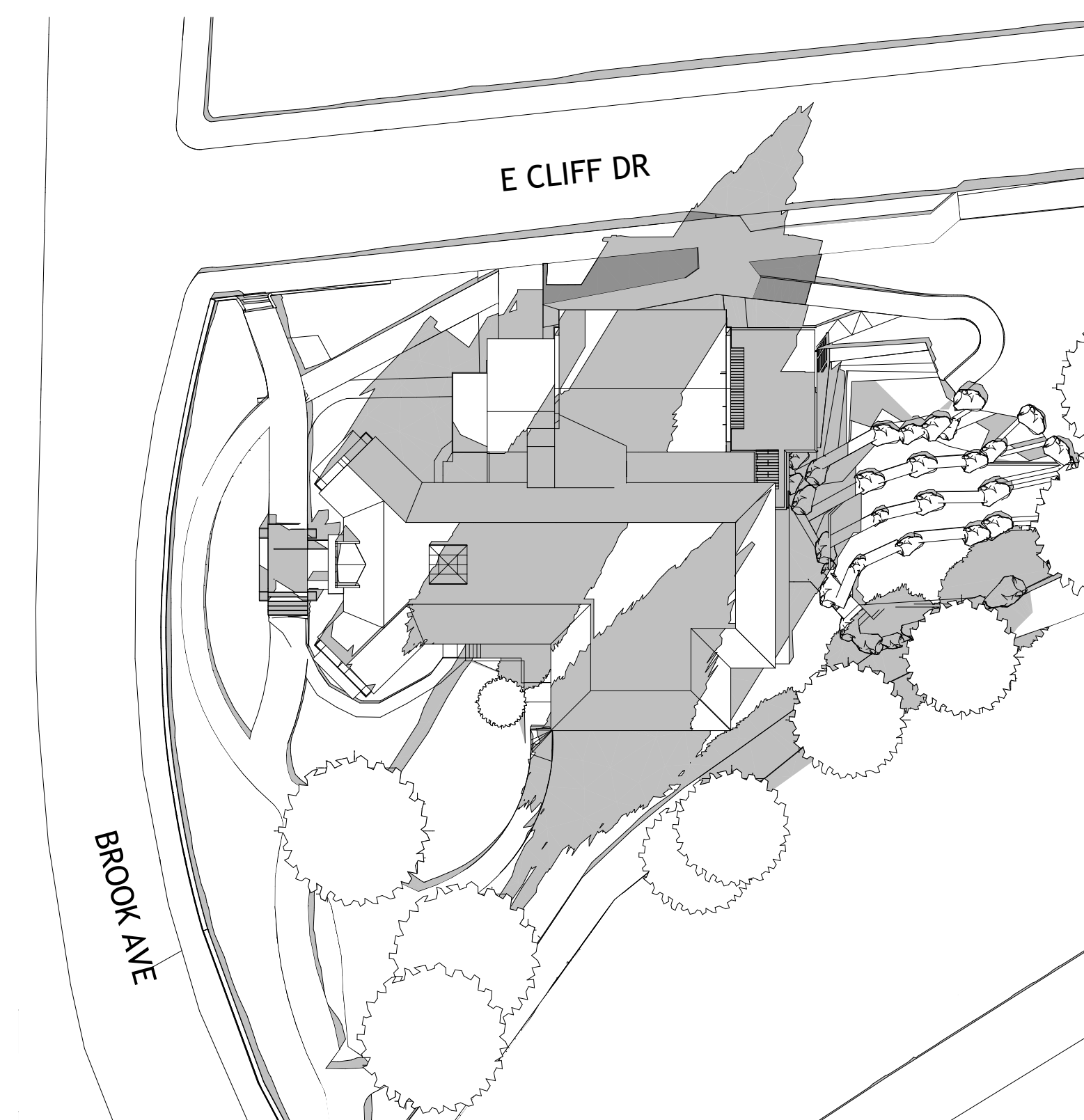
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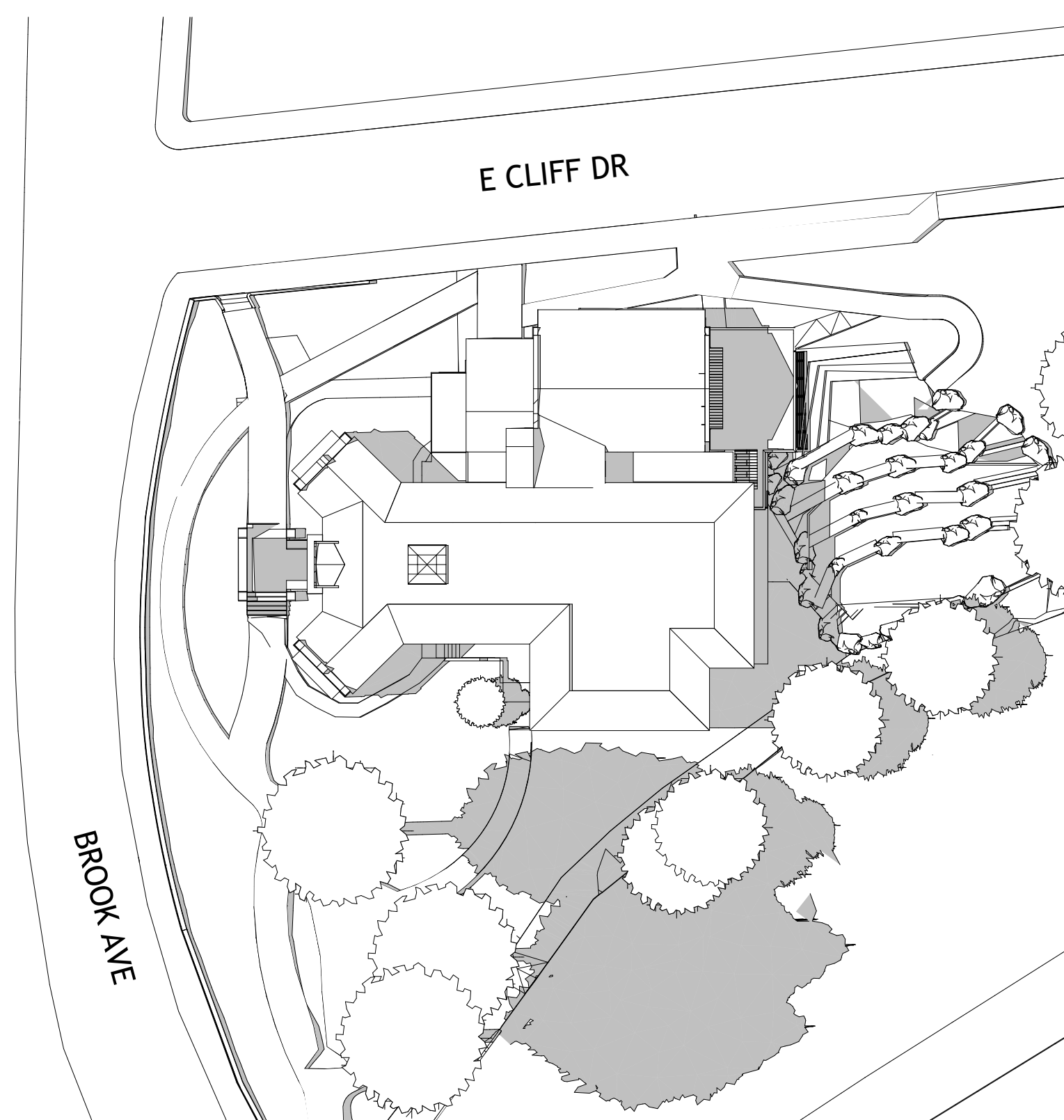
SHADOW STUDY



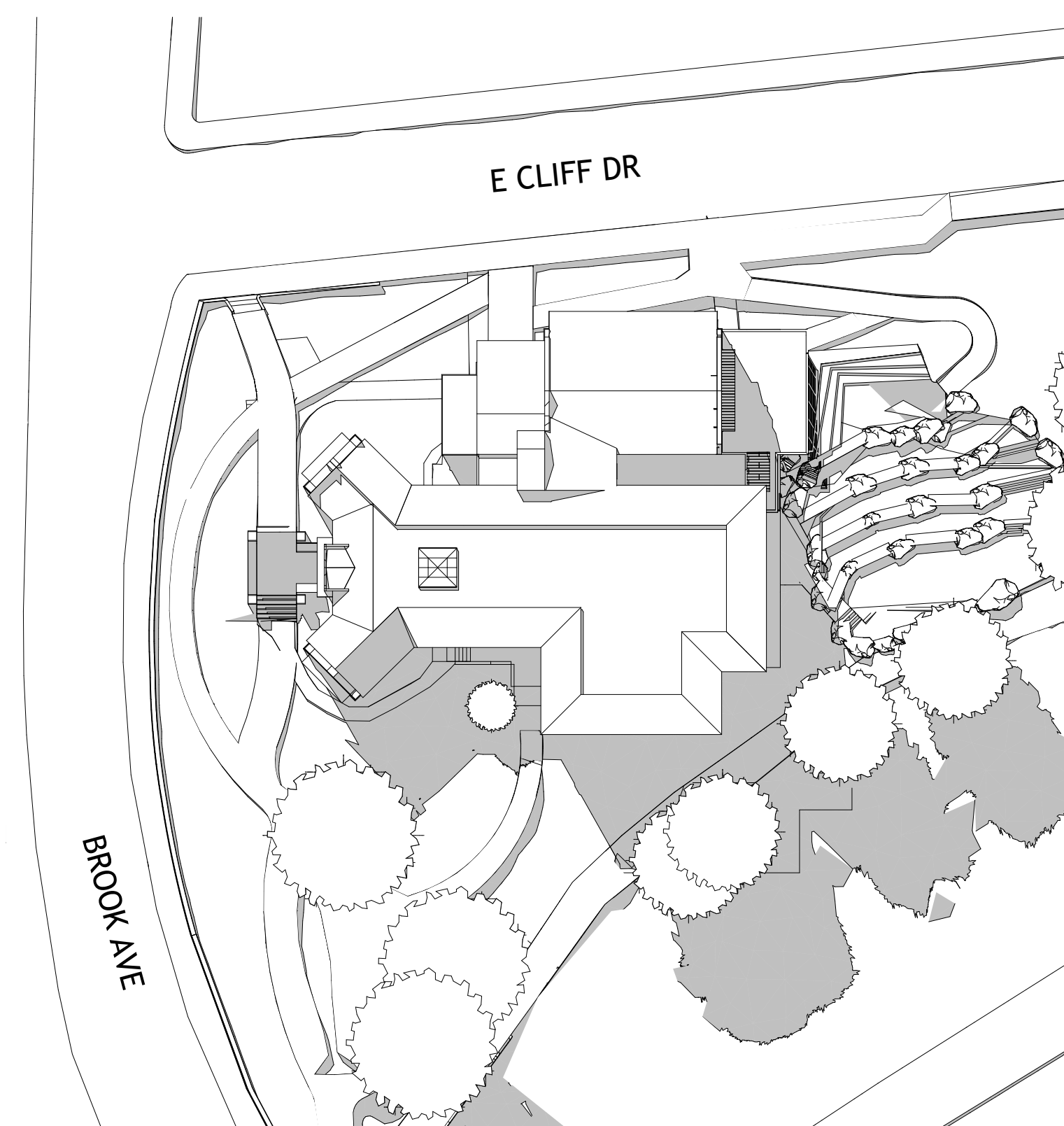
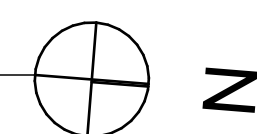
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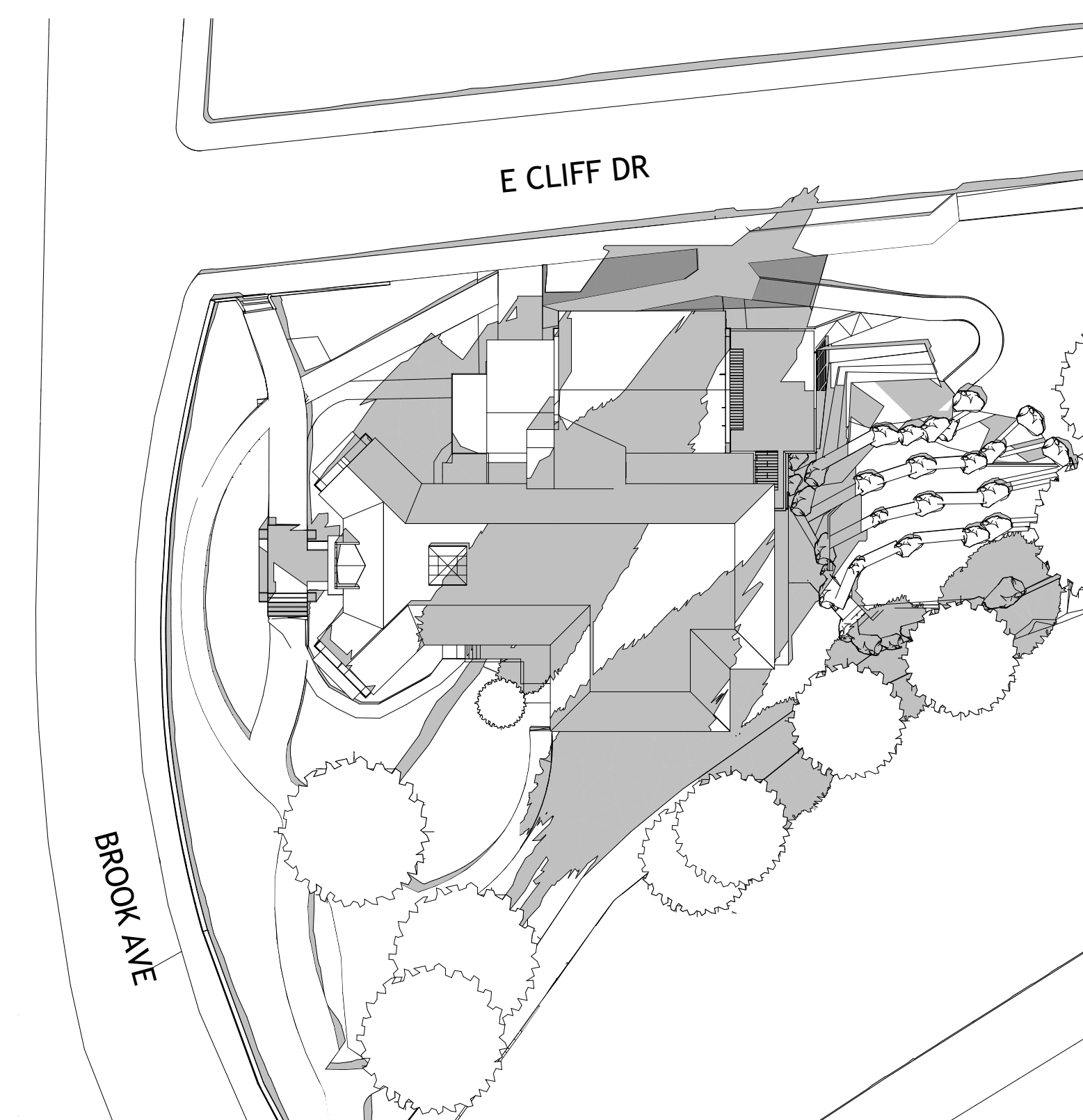
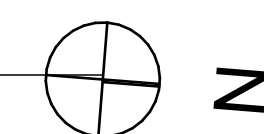
1 SPRING EQUINOX (MARCH 20TH) 9AM SHADOW STUDY
SCALE: 1" = 30'



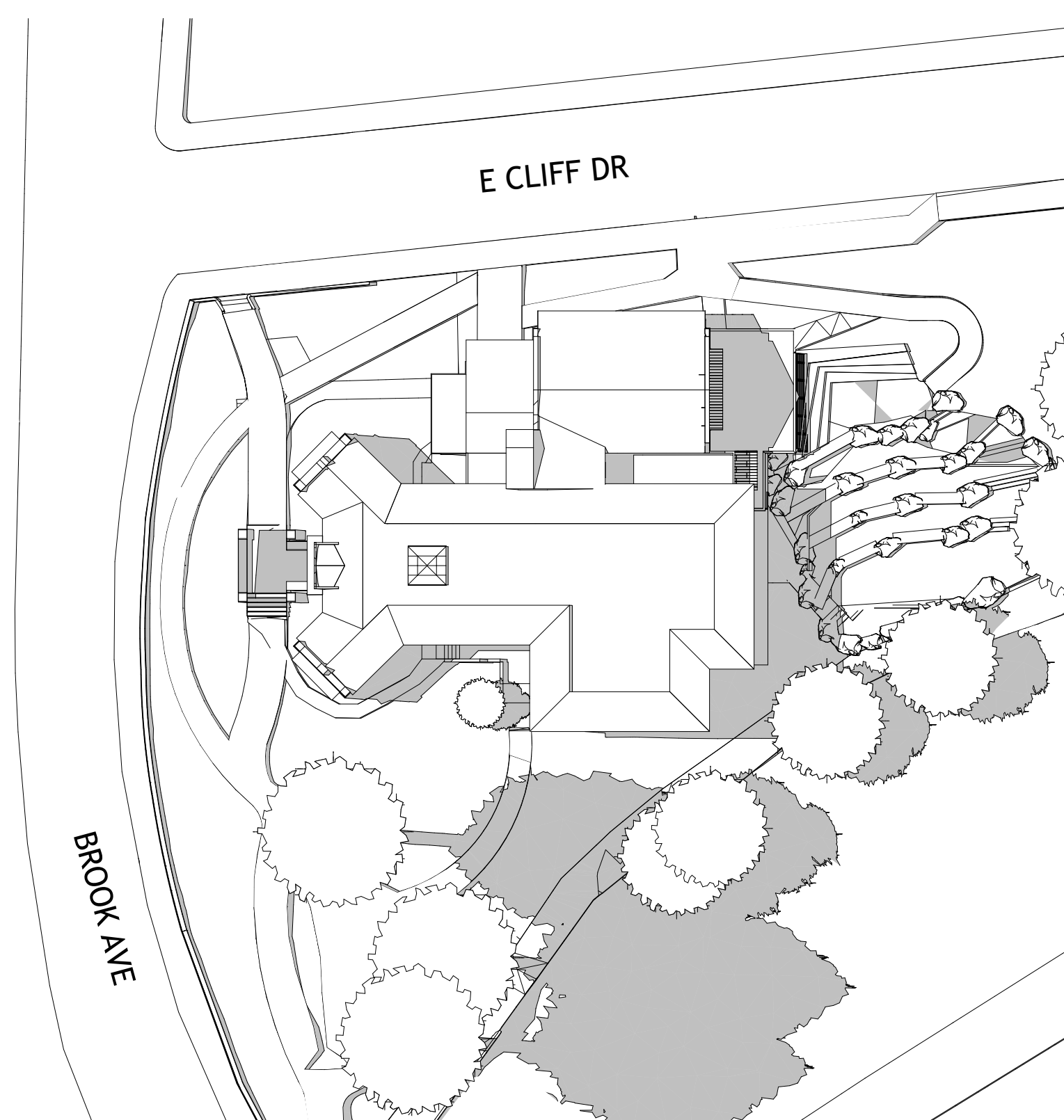
2 SPRING EQUINOX (MARCH 20TH) 12PM SHADOW STUDY
SCALE: 1" = 30'



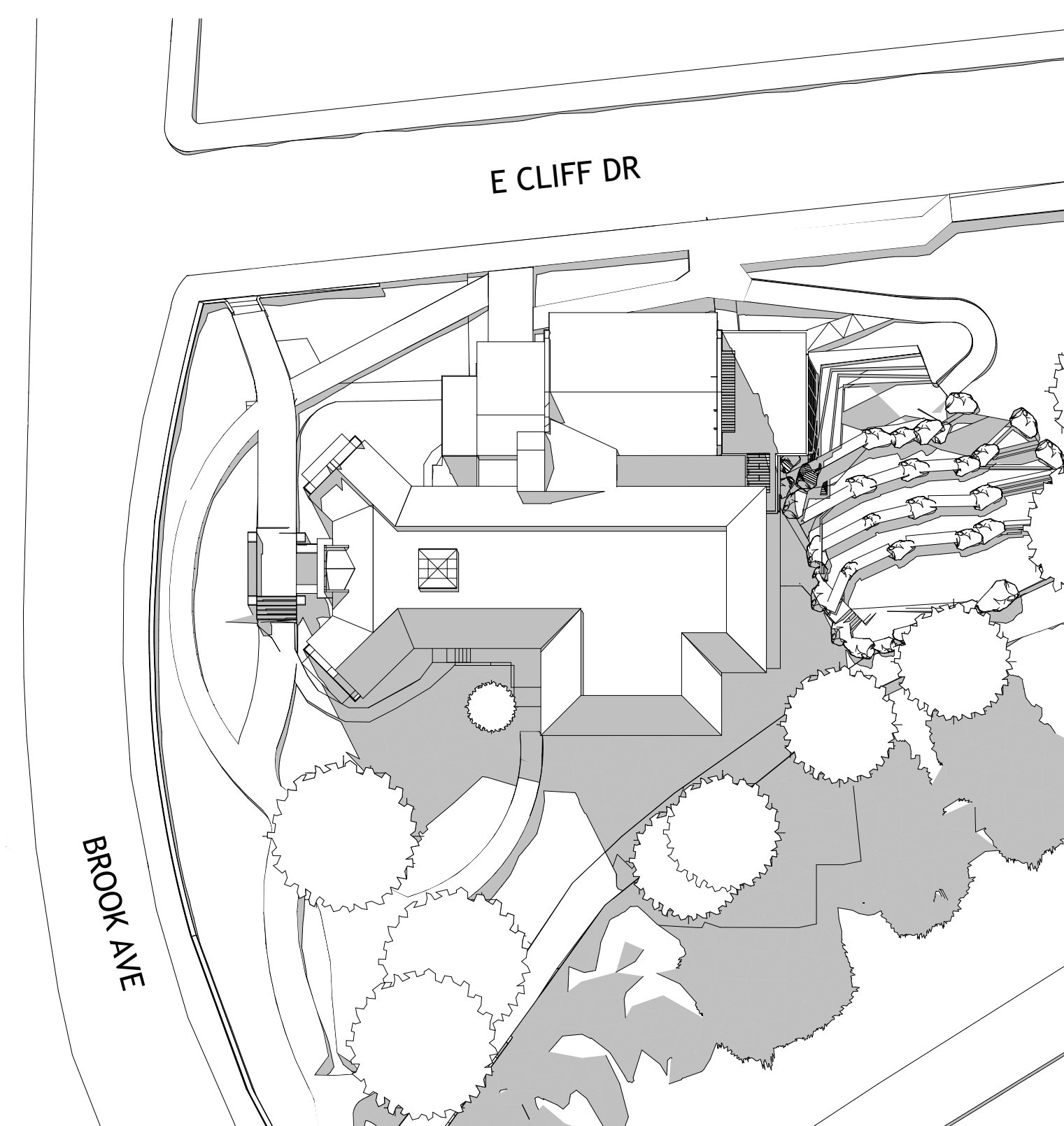
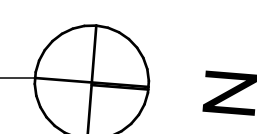
3 SPRING EQUINOX (MARCH 20TH) 3PM SHADOW STUDY
SCALE: 1" = 30'



4 FALLEQUINOX (SEP 22ND) 9AM SHADOW STUDY
SCALE: 1" = 30'

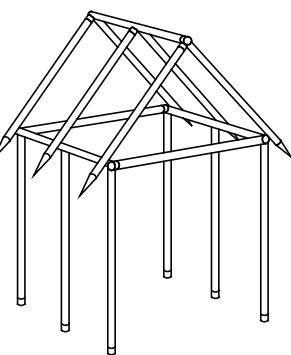


5 FALLEQUINOX (SEP 22ND) 12PM SHADOW STUDY
SCALE: 1" = 30'



6 FALLEQUINOX (SEP 22ND) 3PM SHADOW STUDY
SCALE: 1" = 30'

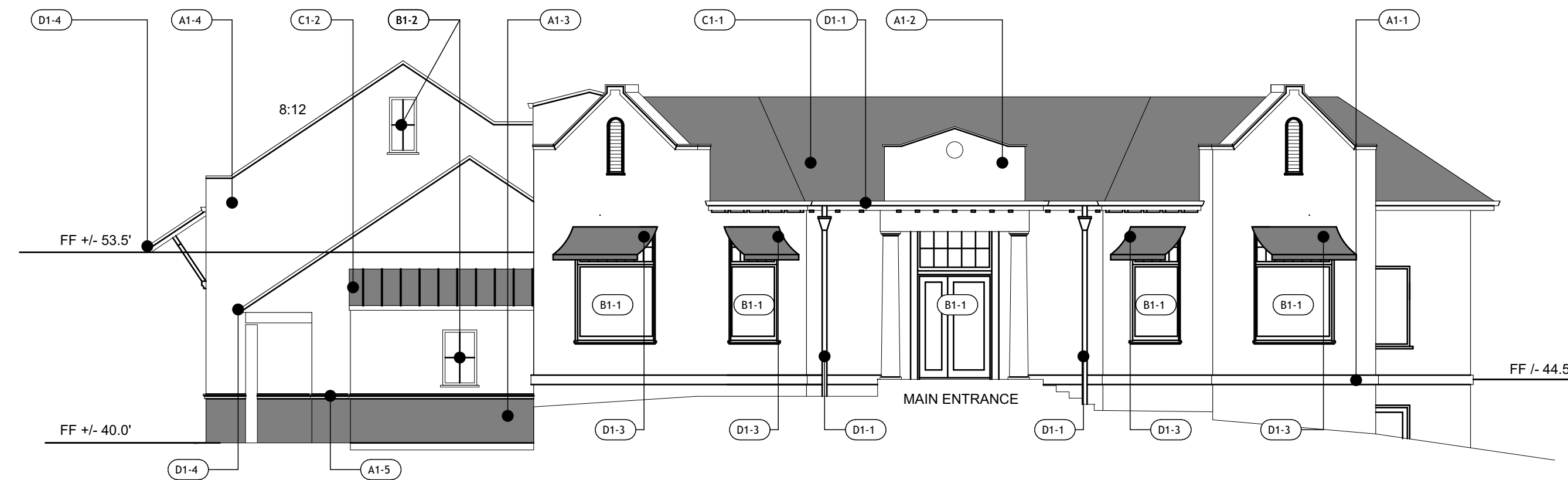
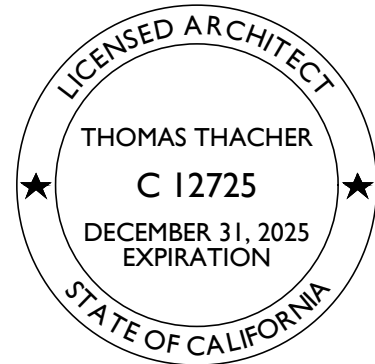




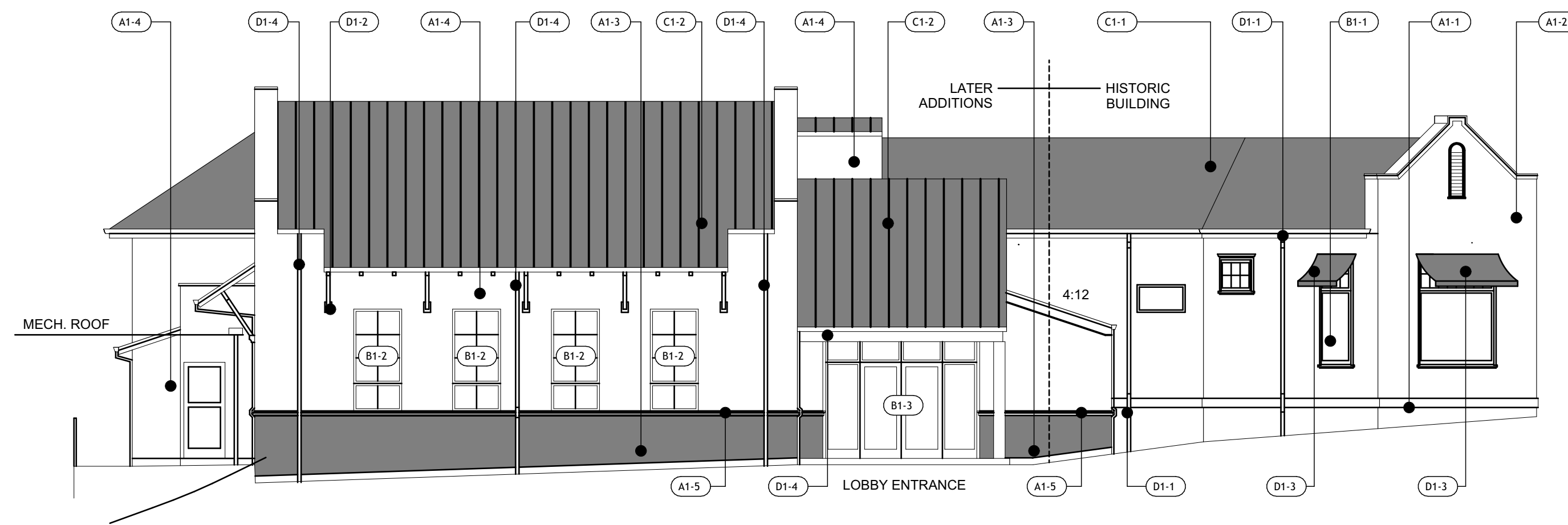
THOMAS
THACHER
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215 OREGON STREET
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(831) 566-3079
tom@tntarch.com

MUSEUM OF NATURAL HISTORY
1305 EAST CLIFF DRIVE, SANTA CRUZ, CA

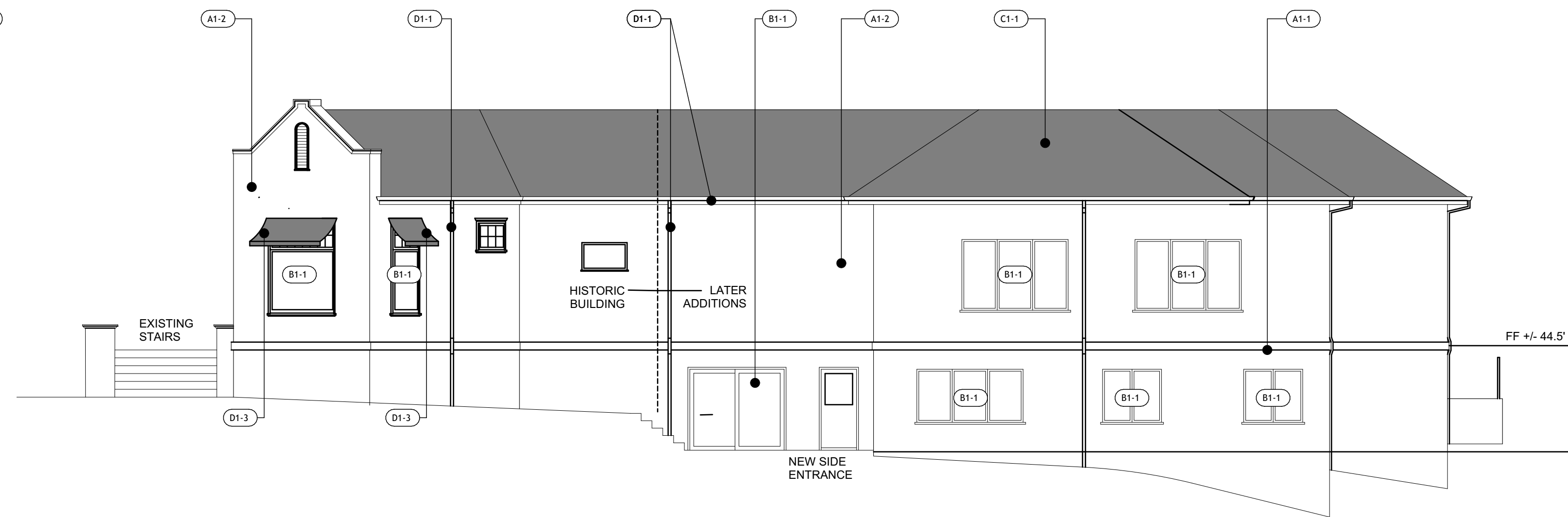
COLORS AND MATERIALS



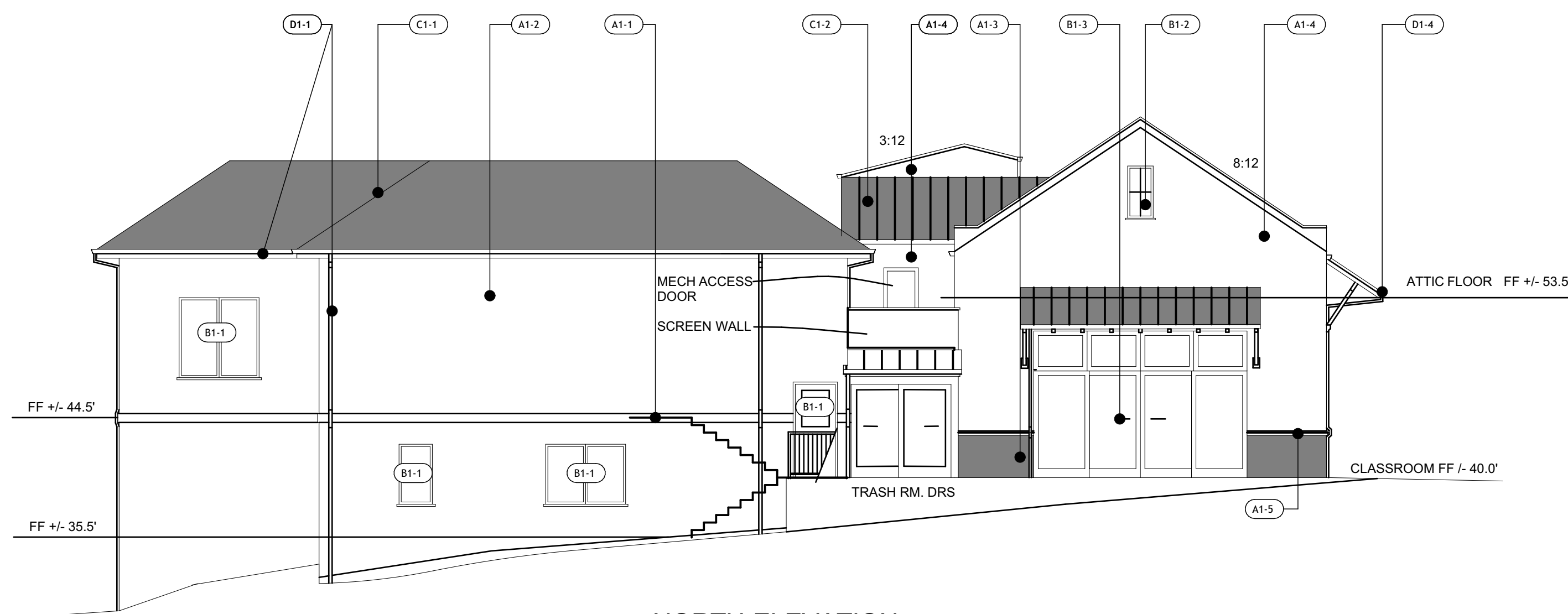
1 SOUTH ELEVATION
SCALE: 1/8"=1'-0"



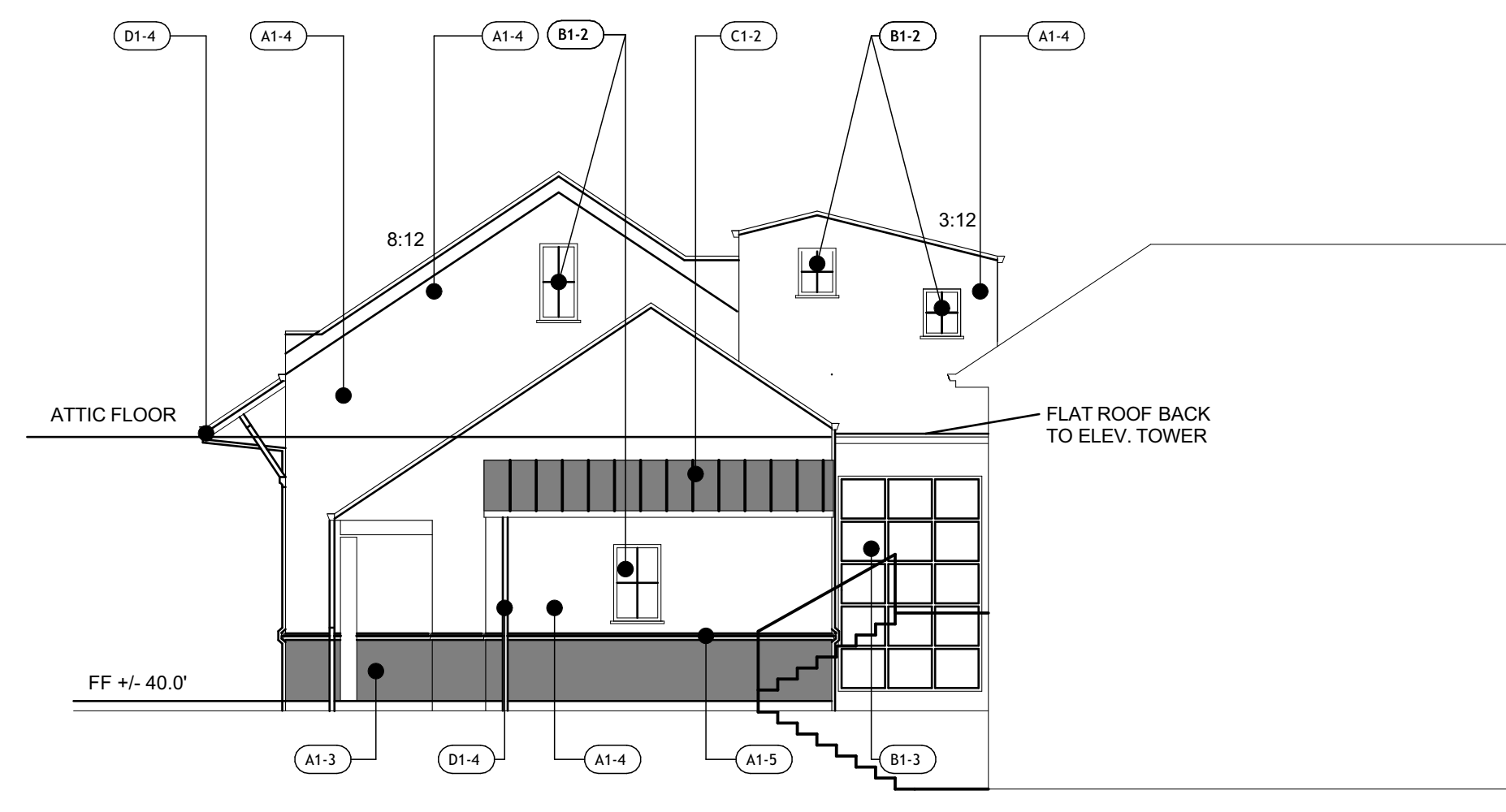
2 WEST ELEVATION
SCALE: 1/8"=1'-0"



4 EAST ELEVATION
SCALE: 1/8"=1'-0"



3 NORTH ELEVATION
SCALE: 1/8"=1'-0"



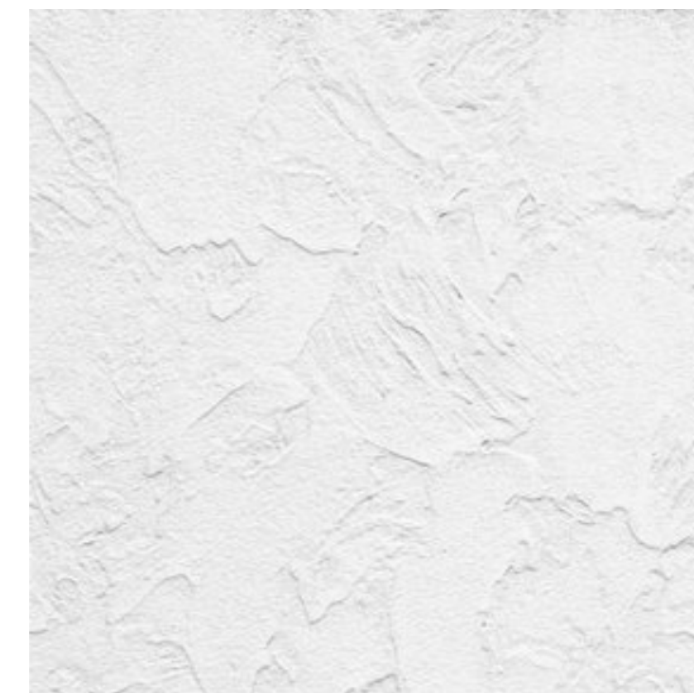
4 PARTIAL SOUTH ELEVATION
SCALE: 1/8"=1'-0"



A1-1 EXISTING BELTLINE TRIM TO BE REPAIRED OR REPLACED IF DAMAGED



A1-2 EXISTING STUCCO TO REMAIN AND BE REPAIRED WHERE NECESSARY



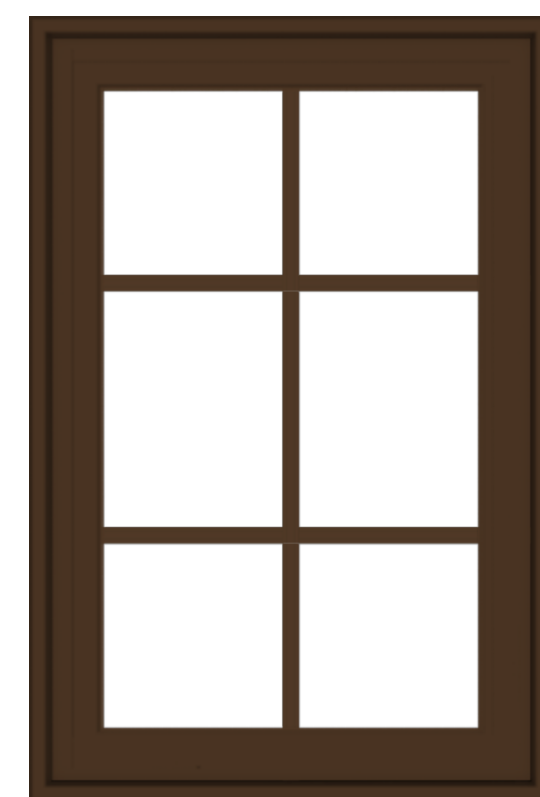
A1-3 NEW STUCCO WITH DASHED TEXTURE BELOW THE BELTLINE TO MATCH EXISTING



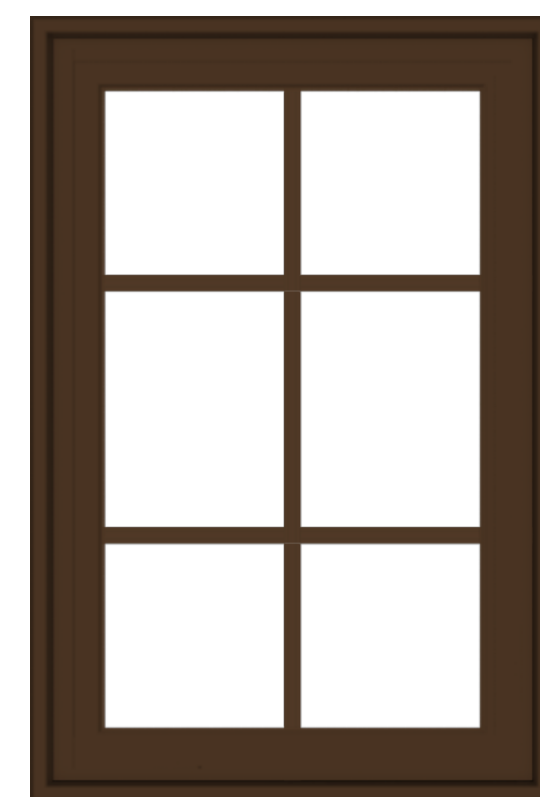
A1-4 NEW STUCCO WITH SMOOTH TEXTURE ABOVE THE BELTLINE FOR NEW ELEMENTS, SHERWIN WILLIAMS ALABASTER COLOR



A1-5 NEW BELTLINE TRIM TO MATCH EXISTING



B1-1 EXISTING WINDOWS AND DOORS TO REMAIN AND BE REPAIRED AS NECESSARY. TO BE PAINTED A DARK BRONZE COLOR TO MATCH THE NEW DOORS AND WINDOWS



B1-2 NEW HIGH-QUALITY ALUMINUM WINDOWS. DARK BRONZE COLOR



B1-3 NEW STOREFRONT DOORS AND WINDOWS. COLOR TO BE DARK BRONZE



C1-1 NEW COMPOSITION ROOFING AT THE EXISTING BUILDING



C1-2 NEW STANDING SEAM METAL ROOF



D1-1 EXISTING GUTTERS AND DOWNSPOUTS ARE TO REMAIN AND BE REPAIRED AS NECESSARY



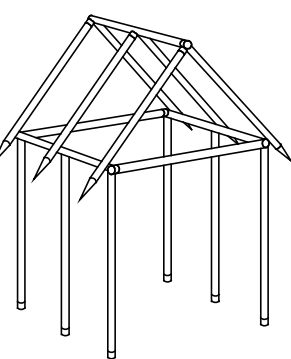
D1-2 NEW POWDER-COATED STEEL BRACKETS



D1-3 NEW AWNINGS TO MATCH HISTORIC



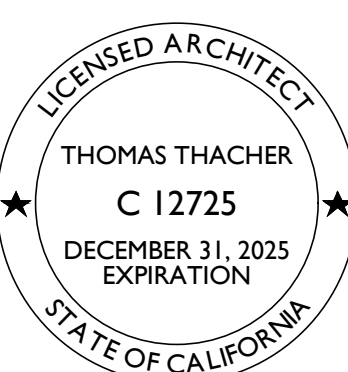
D1-4 NEW GUTTERS WITH 5" OGEE COPPER GUTTERS AND COPPER DOWNSPOUTS



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1305 EAST CLIFF DRIVE, SANTA CRUZ, CA

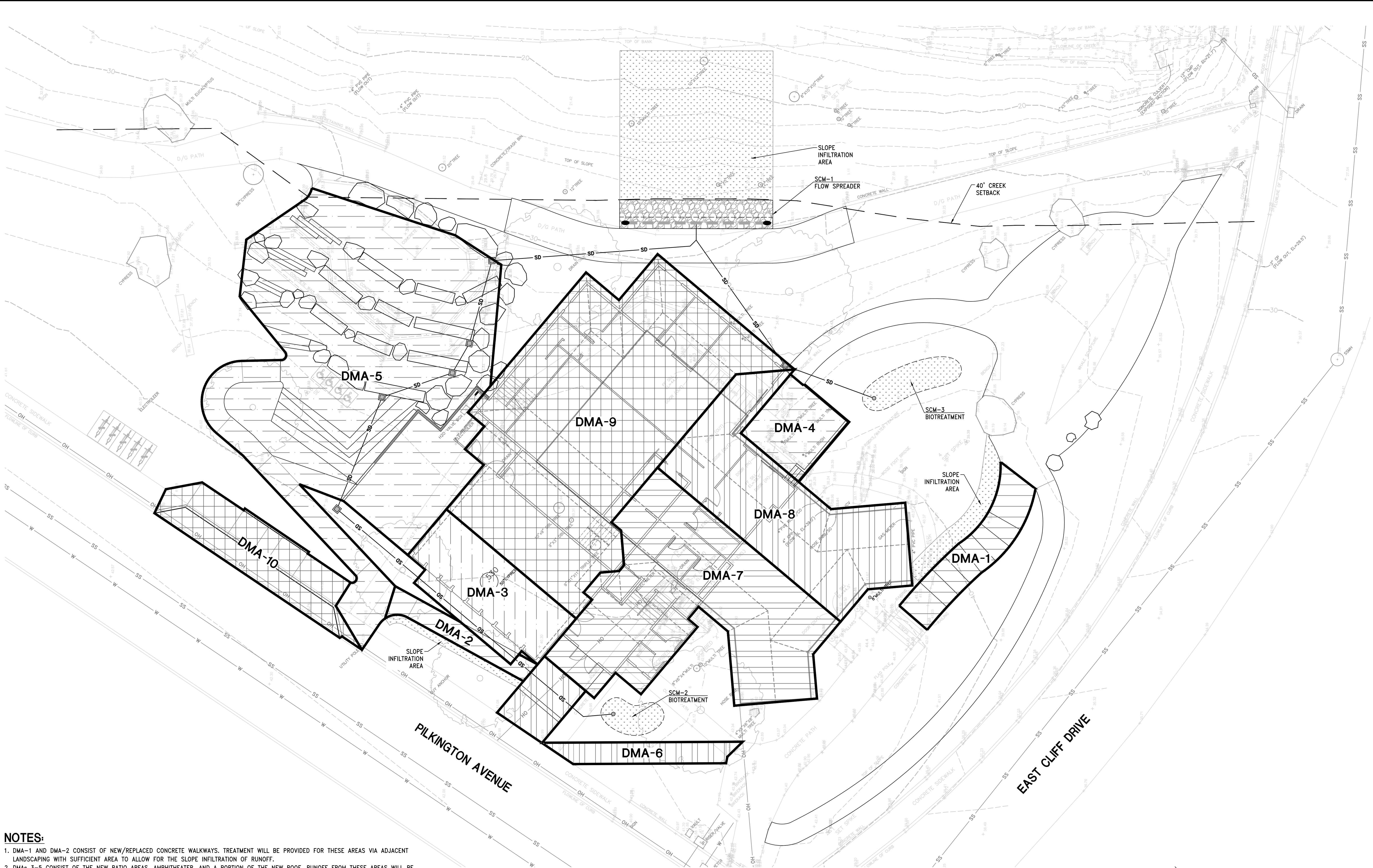
COLORS AND MATERIALS



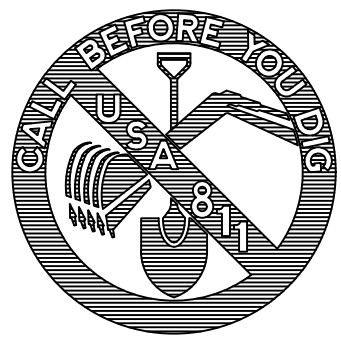
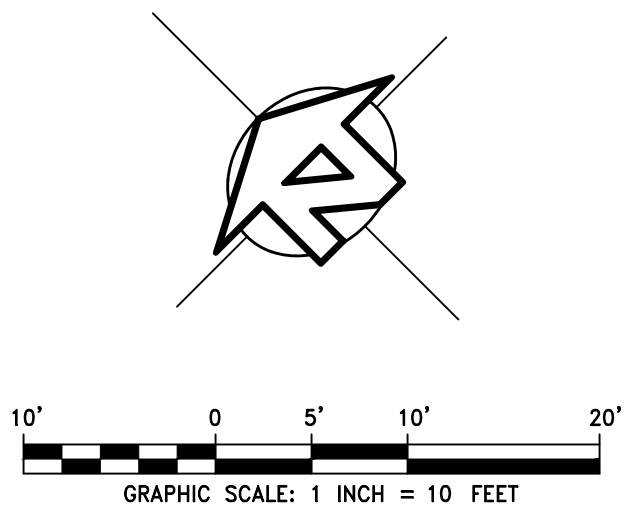
A10

8

I:_PROJECTS\2024\24018 NEUS\DWGS\1 - SD PHASE\SD PHASE\2.0-SWCP.dwg 18Dec24 03:13:48 PM JSpurlock © IFLAND ENGINEERS, INC.



- NOTES:**
- DMA-1 AND DMA-2 CONSIST OF NEW/REPLACED CONCRETE WALKWAYS. TREATMENT WILL BE PROVIDED FOR THESE AREAS VIA ADJACENT LANDSCAPING WITH SUFFICIENT AREA TO ALLOW FOR THE SLOPE INFILTRATION OF RUNOFF.
 - DMAs 3-5 CONSIST OF THE NEW PATIO AREAS, AMPHITHEATER, AND A PORTION OF THE NEW ROOF. RUNOFF FROM THESE AREAS WILL BE COLLECTED AND CONVEYED TO SCM-1.
 - SCM-1 IS A FLOW SPREADER LOCATED AT THE TOP OF THE SLOPE ALONG THE LOWER PATHWAY. THERE IS SUFFICIENT AREA BELOW SCM-1 TO ALLOW FOR THE SLOPE INFILTRATION OF RUNOFF FROM DMAs 3-5.
 - THE MINIMUM AREA REQUIRED FOR THE SLOPE INFILTRATION OF RUNOFF WAS DETERMINED USING THE METHOD PRESENTED IN SWM-21 OF THE COUNTY OF SANTA CRUZ DESIGN CRITERIA AS ONE IS NOT PROVIDED IN CHAPTER 6B OF THE CITY OF SANTA CRUZ BMP MANUAL.
 - DMA-6 CONSISTS OF THE NEW/REPLACED CONCRETE WALKWAYS NEAR THE WEST ENTRANCE. RUNOFF FROM DMA-6 WILL BE DIRECTED TO SCM-2.
 - DMA-7 CONSISTS OF PORTIONS OF NEW AND EXISTING ROOF. RUNOFF FROM DMA-7 WILL BE DIRECTED TO SCM-2.
 - SCM-2 IS A BIOTREATMENT AREA NEAR THE WEST ENTRANCE.
 - DMA-8 CONSISTS OF PORTIONS OF NEW AND EXISTING ROOF. RUNOFF FROM DMA-8 WILL BE DIRECTED TO SCM-3.
 - SCM-3 IS A BIOTREATMENT AREA NEAR THE EAST ENTRANCE.
 - WITH THE INCLUSION OF EXISTING IMPERVIOUS AREAS IN DMAs 1-8, TOTAL TREATED IMPERVIOUS AREAS EXCEED THE TOTAL AMOUNT OF NEW/REPLACED IMPERVIOUS AREAS CREATED BY THIS PROJECT. THEREFORE, IT IS ACCEPTABLE TO LEAVE DMA-9 AND DMA-10 UNTREATED.



SCHEMATIC

STORMWATER CONTROL PLAN
MUSEUM OF NATURAL HISTORY

1305 EAST CLIFF DRIVE, SANTA CRUZ, CALIFORNIA

APN 010-282-01
SCHEMATIC DESIGN

DRAWN
STAFF

DESIGN
STAFF

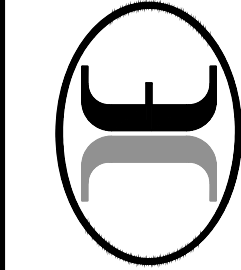
DATE
12/18/2024

SHEET
C2.0

JOB NO. 24018

NOT FOR CONSTRUCTION

IFLAND
ENGINEERS
CIVIL ENGINEERING ■ LAND PLANNING ■ STRUCTURAL DESIGN



1509 SEABRIGHT AVE SUITE A2
SANTA CRUZ, CA 95062
TEL (831) 426-5313
FAX (831) 426-1763
www.iflandengineers.com

BY
REVISION
DATE

PROJECT/CLIENT NAME

SANTA CRUZ
MUSEUM OF
NATURAL HISTORY

1305 E Cliff Dr, Santa
Cruz, CA 95062

PROJECT NUMBER

24043

CONSULTANT

SUBMITTAL

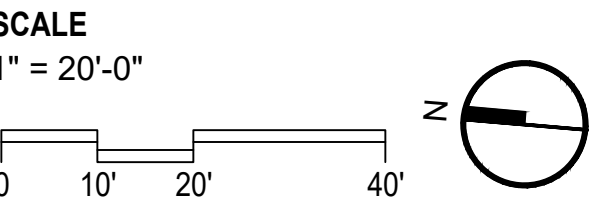
DATE

REVISIONS

No.	Date	Description
1		

REGISTRATION AND SIGNATURE

NOT FOR
CONSTRUCTION



SHEET TITLE

LANDSCAPE SITE
PLAN

DRAWN BY: JMU

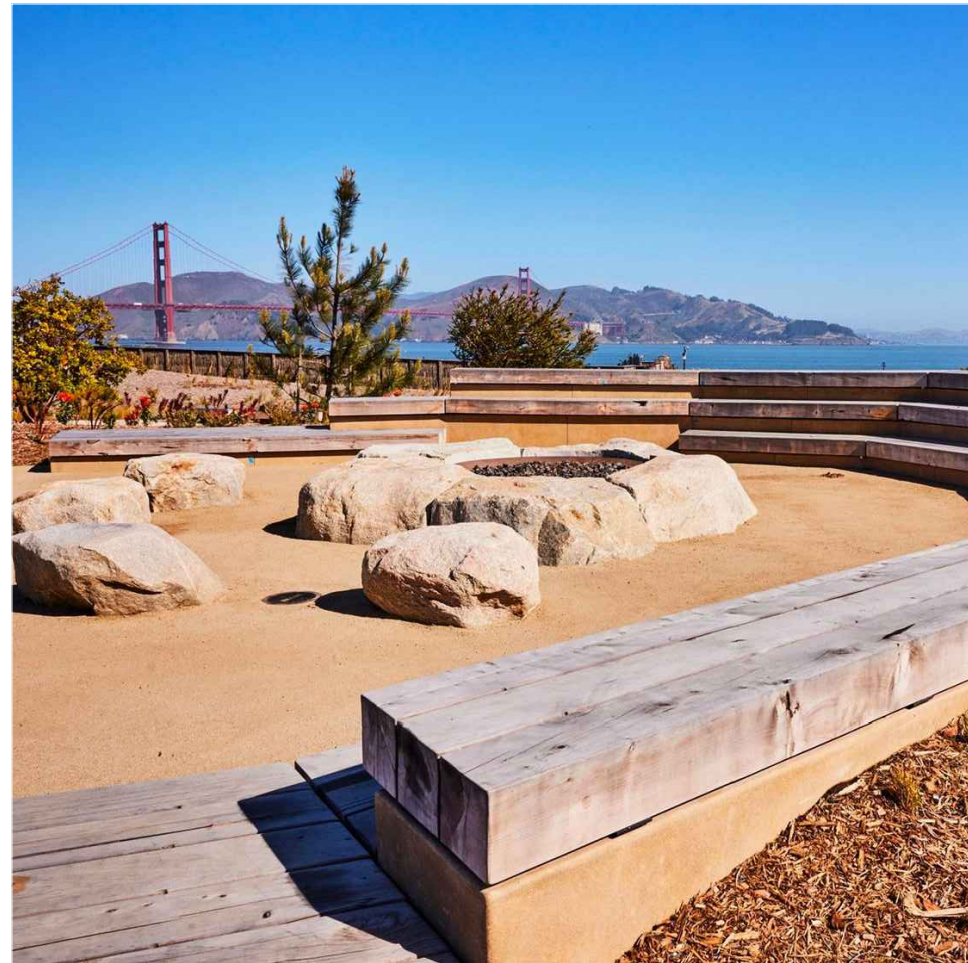
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L1.00



MATERIALS LEGEND

SYMBOL	DESCRIPTION
	LIMIT OF WORK
FURNITURE	
	TIMBER BENCH, TYPE 1
	BOULDER
PLANTING	
	NEW TREE
	EXISTING TREE TO REMAIN
	PLANTING AREA
	TURF LAWN
PAVING	
	P.I.P CONCRETE PAVING
	WOOD DECKING
	ADA STABILIZED GRANITECRETE DG
	ADA ENGINEERED WOOD FIBER
LIGHTING	
	LIGHT BOLLARD



07 AMPHITHEATER



04 WOOD DECKING



MATERIAL: STABILIZED DECOMPOSED GRANITE

01 STABILIZED DG GRANITECRETE

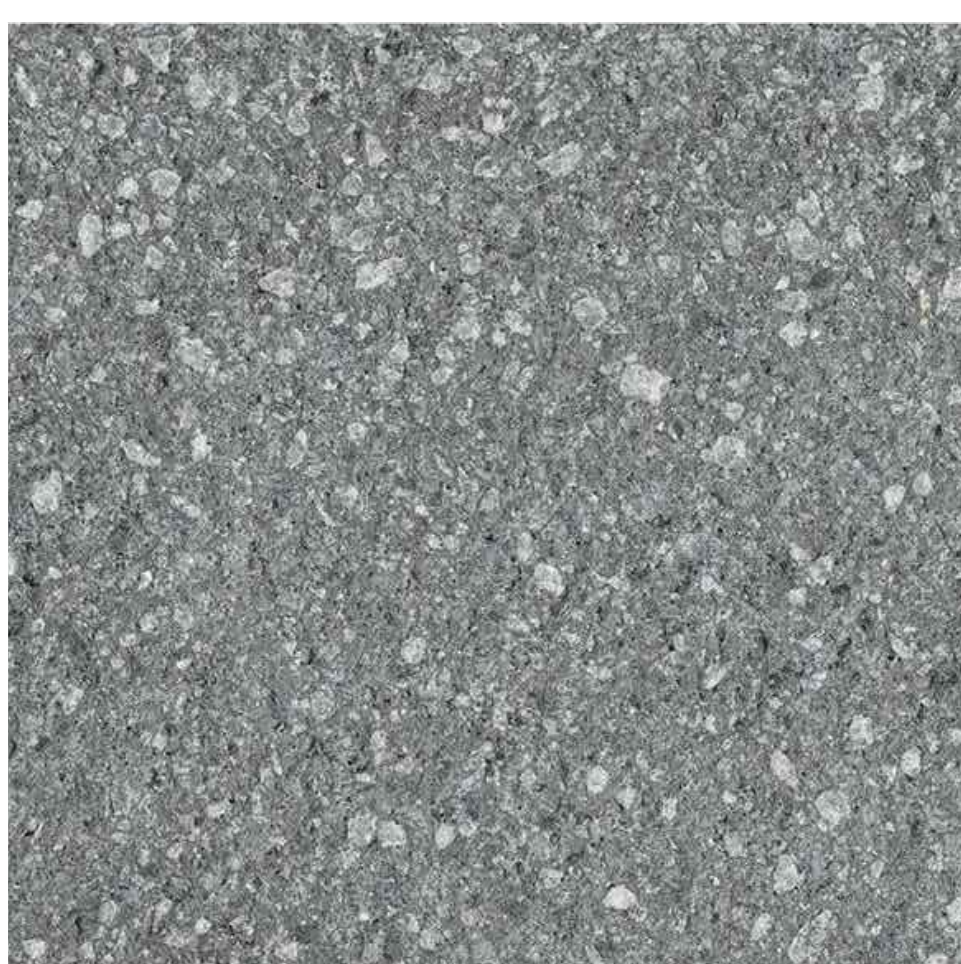


08 LIGHT BOLLARD



MATERIAL: ENGINEERED WOOD FIBER, 100% VIRGIN WOOD FIBER, NOT USED WOOD
COLOR: NATURAL

05 WOOD FIBER



MATERIAL: P.I.P. PAVING
COLOR: INTEGRAL COLOR BY DAVIS COLORS; COLOR:
FINISH: EXPOSED AGGREGATE SAWCUT SCORE JOINTS

02 P.I.P CONCRETE PAVING TYPE I

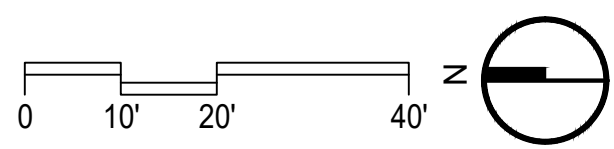


06 BOULDERS



03 WOOD STEPS

No.	Date	Description
1		



PROJECT/CLIENT NAME

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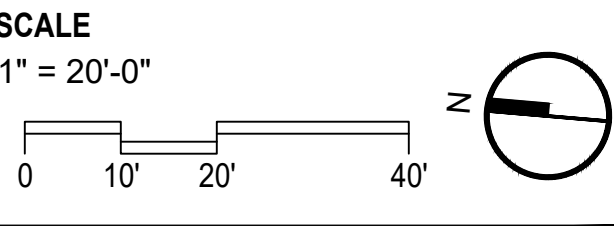
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REVISIONS

No.	Date	Description
		

REGISTRATION AND SIGNATURE

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CONSTRUCTION



SHEET TITLE

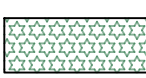
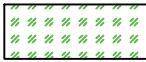
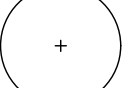
PLANTING PLAN &
SCHEDULE

DRAWN BY: JMU

CHECKED BY: KM

L2.00



PLANTING LEGEND	
SYMBOL	DESCRIPTION
	POLLINATOR GARDEN (CEANOTHUS ARBOREUS / GAMBELIA SPECIOSA / MIMULUS AURANTIACUS / ROSA CALIFORNICA / SCROPHULARIA CALIFORNICA)
	WOODLAND (FRANGULA CALIFORNICA / GARRYA ELIPTICA / IRIS DOUGLASIANA / PLYSTICHUM MUNITUM / SALVIA SPATHACEA)
	COASTAL CREEKSIDE (CAREX PRAEGRACILIS / DICENTRA FORMOSA / JUNCUNS PATENS / RUBUS PARVIFOLIUS / SALIX BABYLONICA)
	COASTAL TERRACE (ACHILLEA MILLEFOLIUM / BACCHARIS PILULARIS / DESCHAMPSIACESPITOSA / ERIGERON GLAUCUS / ERIOGONUM ARBORESCENS / PRUNELLA VULGARIS)
	NEW PLANTING AREA
	EXISTING TURF LAWN AREA
	NEW TREE
	EXISTING TREE

PLANT COMMUNITY AREAS AND PLANT SPECIES OUTLINED IN THIS SCHEDULE WERE DEVELOPED IN PARTNERSHIP WITH JONI L. JANECKI AND ASSOCIATES AND BASED ON THEIR PLANT COMMUNITY DIAGRAM DATED FEBRUARY 6TH, 2020