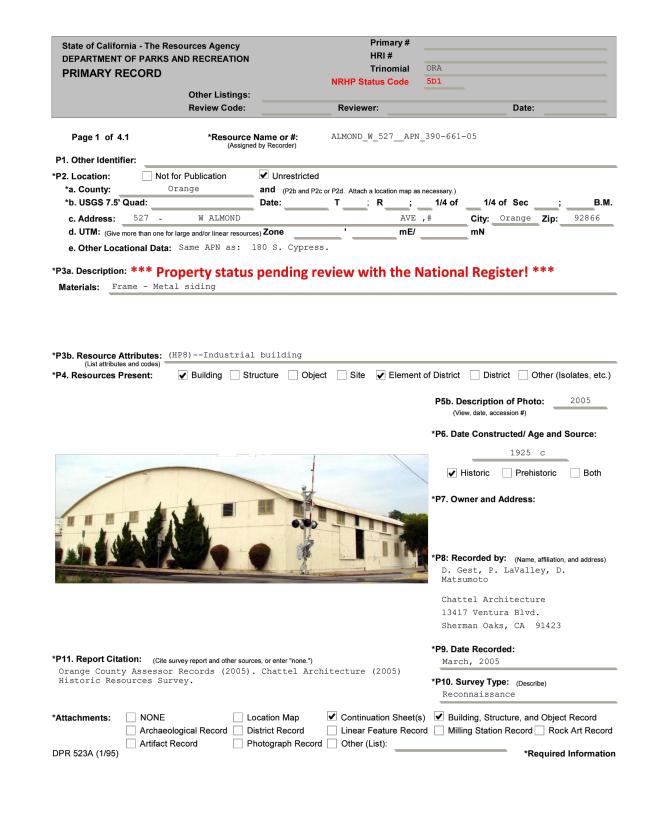


FRIENDS CHURCH - THE HANGAR

180 S. CYPRESS, ORANGE, CA (OFFICE BUILDING)
527 W. ALMOND AVE., ORANGE, CA (WAREHOUSE BUILDING)
REVIEW PACKAGE 10-23-2024
PLANNING REVIEW PACKAGE 10-17-2025



CITY OF ORANGE DOCUMENTS: 527 W ALMOND AVE.



Primary #

ALMOND_W_527__APN_390-661-05

(Sketch Map with North arrow required.)

*Required Information

*B6. Construction History: (Construction date, atterations, and date of atterations) Date of Construction: 1925 c 📝 Historic 🗆 Prehistoric 🗀 Both

Period of Significance: Old Towne: Agriculture & Industry (c. 1880 - 1950)

Applicable Criteria: AC

Opportunities: Appears to be a contributor to a district that appears eligible for local listing or designation: Railroad/Packing House NCA.

*** Property status pending review with the National Register! ***

*B10. Significance: Theme: Architecture Area: City of Orange Property Type: Industrial

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity. Continues on Pg.4.)

CONTINUATION		•		Primary # HRI # Trinomial	ORA
Page 3 of ##		esource Name o		ND_W_527APN	-
			g review w		onal Register! ***
D. Gest, P. LaVa Chattel Archited		moto		Date Record	ed: March, 2005
13417 Ventura Bl				✓ Continual	tion Update
Sherman Oaks, CA	91423				
Years Surveyed:	2005		De	scription of Phot	o:
Listed in National Regis					
General Plan:		# of Buildings:	1		
Planning Zone:		# of Stories:	1		
Lot Acre:		# of Units:	1		
Principal Building Sqft:		<i>"</i> 01 0111101			
B13. Remarks (Continu	ed from Pg.2):				
B13. Remarks (Continu	• ,				
·	• ,				
·	• ,				
·	• ,				
·	• ,				

*Required Information

*Required Information

	The Resour OF PARKS AND TION SHEET		Primary # HRI # Trinomial	
Page 4.1 of	4.1	*Resource Name	or#: ALMOND_W_527A	APN_390-661-05
corded by:				National Register! ***
D. Gest, P. Chattel Arc	LaValley, D.	Matsumoto	Date Rec	orded: March, 2005
13417 Ventu			✓ Conti	inuation Update
Sherman Oak	s, CA 91423		ب	
012 National Re	egister Amendme	<u>nt:</u> (Based upon 2010 H	istoric Resources Inventory Update)	
Purpose of An	nendment:		Recommended Action:	Amend non-contributor to NR Dist
Not previo	usly listed		Current Status (2011):	
			Recommended Status (2)	012): 5D1

State of California - The Resources Agency DEPARTMENT OF PARKS AND RECREATION PRIMARY RECORD NRHP Status Code 6Z Page 1 of 3 CYPRESS_S_180__APN_390-661-05 *Resource Name or #: P1. Other Identifier: *P2. Location: ☐ Not for Publication ✓ Unrestricted Orange and (P2b and P2c or P2d. Attach a location map as necessary.) *b. USGS 7.5' Quad: Date: T ; R ; 1/4 of Sec ; B.M. c. Address: 180 - S CYPRESS ST ,# City: Orange Zip: 92866 d. UTM: (Give more than one for large and/or linear resources) Zone e. Other Locational Data: Same APN as: 527 W. Almond. *P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boudnaries. Continues on Pg.3.) Materials: Frame - Stucco or plaster *P4. Resources Present: ✓ Building Structure Object Site ✓ Element of District Other (Isolates, etc.) P5b. Description of Photo: 2005 (View, date, accession #) *P6. Date Constructed/ Age and Source:

CITY OF ORANGE DOCUMENTS: 180 S CYPRESS ST.

	1948
	Historic Prehistoric Bo
THRIFT STORE STORE	*P7. Owner and Address:
	*P8: Recorded by: (Name, affiliation, and addr D. Gest, P. LaValley, D. Matsumoto Chattel Architecture 13417 Ventura Blvd. Sherman Oaks, CA 91423
	*P9. Date Recorded:
P11. Report Citation: (Cite survey report and other sources, or enter "none.")	March, 2005
Orange County Assessor Records (2005). Chattel Architecture (2005) Historic Resources Survey. AEGIS (1991) Historic Building Inventory Update.	*P10. Survey Type: (Describe) Reconnaissance
Attachments:	■ Building, Structure, and Object Record ■ Milling Station Record ■ Rock Art Re

*Attachments:	NONE	Location Map	✓ Continuation Sheet(s)) 🗸 Building, Struct	ure, and Object Record
	Archaeological Record	District Record	Linear Feature Recor		Record Rock Art Recor
DDD 5004 (4/05)	Artifact Record	Photograph Record	Other (List):		and the second
DPR 523A (1/95)					*Required Information

DEFAILURENT OF F	PARKS AND RECREATION	Primary # HRI #	111689
DITH DIVIC CED		*NRHP Status Code	6Z
BUILDING, STR	UCTURE, AND OBJECT RECORD	NKHF Status Code	
Page 2 of 3	*Resource Name or #: (Assigned by Recorder)	CYPRESS_S_180A	PN_390-661-05
B1. Historic Name:	Unknown		
B2. Common Name:			
B3. Original Use:	COM B4. Present Use:	COM	
*B5. Architectural Styl	e: Contemporary		
•	tory: (Construction date, atlerations, and date of alterations)	Date of Construction	: 1948 Historic Prehistoric
*DT Marrato	Ver C Urbane Peter		
*B7. Moved? ✓ No	·	Original Location:	
*B8. Related Features:	:		
*B9. Architect or Build	ler: Unknown		
*B10. Significance:	Theme: Architecture Area: C	City of Orange Pr	operty Type: Commercial
Structural Integrity:	-		
Site Integrity: Opportunities:			
Opportunities:	Irce Attributes: (List attributes and codes)		
Opportunities:			
Opportunities: B11. Additional Resourts *B12. References: Orange Daily News	s.		(Sketch Map with North arrow required.)
Opportunities: B11. Additional Resourts *B12. References: Orange Daily News	s . ues on Pg.3.)		(Sketch Map with North arrow required.)
Dpportunities: B11. Additional Resou *B12. References: Orange Daily New: B13. Remarks: (Continue Status change sin	s . ues on Pg.3.)		(Sketch Map with North arrow required.)
Opportunities: B11. Additional Resourts *B12. References: Orange Daily News	ues on Pg.3.) nce 1991 Survey: None. Robert Chattel		(Sketch Map with North arrow required.)
Opportunities: B11. Additional Resources: Orange Daily News B13. Remarks: (Continue Status change sin	ues on Pg.3.) nce 1991 Survey: None. Robert Chattel September, 2005		(Sketch Map with North arrow required.)

DEPARTMENT OF PARKS AND RECREATION HRI# 111689 CONTINUATION SHEET CYPRESS_S_180__APN_390-661-05 Recorded by: D. Gest, P. LaValley, D. Matsumoto Date Recorded: March, 2005 Chattel Architecture 13417 Ventura Blvd. ✓ Continuation Update Sherman Oaks, CA 91423 Years Surveyed: Description of Photo: 1991 Listed in National Register: OTMIX-15 # of Buildings: OTMU-15 # of Stories: 1.1358 # of Units: Principal Building Sqft: 18845 B6. Construction History (Continued from Pg.2): B13. Remarks (Continued from Pg.2): P3a. Description (Continued from Pg.1):

DPR 523L (11/98)	*Required Information

GENERAL CONTRACTOR

2190 South Towne Center Dr

EM: kkreutziger@cwdriver.com

CW DRIVER

Anaheim, CA 92806

PH: (949) 444-3531

CIVIL ENGINEER

TAIT ENGINEERING

701 N Parkcenter Dr

PH: (714) 560-8643

EM: davidsloan@tait.com

HISTORICAL ARCHITECT GEORGE TAYLOR LOUDEN, AIA

6330 Green Valley Circle #301

EM: taylor@historicalarchitect.com

Culver City, CA 90230

Contact: Taylor Louden

PH: (310) 874-8783

Santa Ana, CA 92705 Contact: David Sloan

Contact: Karl Kreutziger

PROJECT DIRECTORY

FRIENDS CHURCH - ORANGE

426 W Almond Ave.

PH: (949) 637-7646

AO ARCHITECTS

144 N. Orange Street Orange, CA 92866

Contact: Jeff Rabbitt PH: (714) 639-9860

EM: jeff@aoarchitects.com

STRUCTURAL ENGINEER

EM: mike@mrpplanningco.com

2301 Dupont Dr Suite 150

EM: afranklin@linwoodengineering.com

Irvine, CA 92612

Contact: Adam Franklin PH: (949) 379-7384

MECHANICAL, ELECTRICAL & PLUMBING ENGINEER

30 Centennial Way #C

Tustin, CA 92780

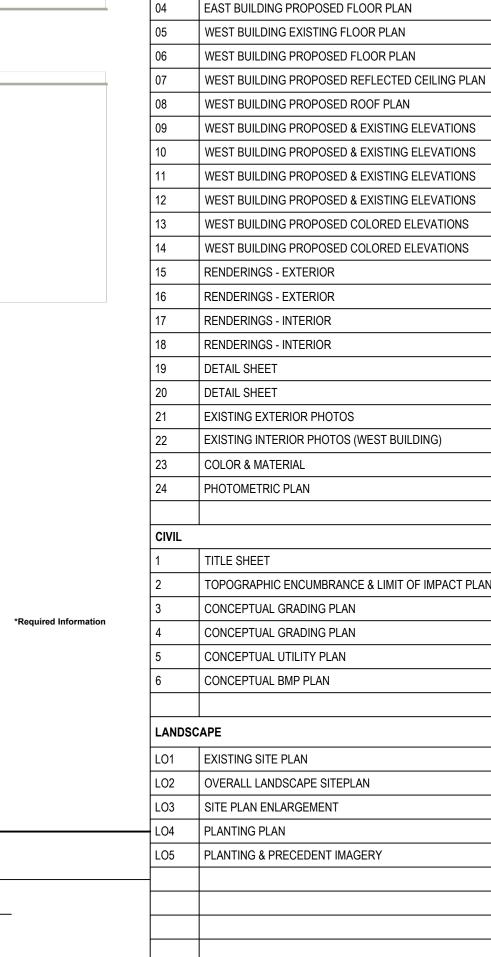
Contact: Mike Paar

PH: (714) 923-8946

Contact: Kyle Zimmerman

EM: kylez@friends.church

Orange, CA



	MEST BUILDING PROPOSED & EXISTING ELEVATIONS			
10	WEST BUILDING PROPOSED & EXISTING ELEVATIONS			
11	WEST BUILDING PROPOSED & EXISTING ELEVATIONS			
12	WEST BUILDING PROPOSED & EXISTING ELEVATIONS			
13	WEST BUILDING PROPOSED COLORED ELEVATIONS			
14	WEST BUILDING PROPOSED COLORED ELEVATIONS			
15	RENDERINGS - EXTERIOR			
16	RENDERINGS - EXTERIOR			
17	RENDERINGS - INTERIOR			
18	RENDERINGS - INTERIOR			
19	DETAIL SHEET			
20	DETAIL SHEET			
21	EXISTING EXTERIOR PHOTOS			
22	EXISTING INTERIOR PHOTOS (WEST BUILDING)			
23	COLOR & MATERIAL			
24	PHOTOMETRIC PLAN			
CIVIL	1			
1	TITLE SHEET			
2	TOPOGRAPHIC ENCUMBRANCE & LIMIT OF IMPACT PLAN			
3	CONCEPTUAL GRADING PLAN			
4	CONCEPTUAL GRADING PLAN			_
5	CONCEPTUAL UTILITY PLAN			
6	CONCEPTUAL BMP PLAN			
LANDS	CAPE			
LO1	EXISTING SITE PLAN			
LO2	OVERALL LANDSCAPE SITEPLAN			
LO3	SITE PLAN ENLARGEMENT			
LO4	PLANTING PLAN			
LO5	PLANTING & PRECEDENT IMAGERY			
		I		
				-
				-
				<u> </u>
	1			
		+		

SHEET TITLE

SHEET INDEX & CITY OF ORANGE NOTES

PROPOSED SITE PLAN FIRE MASTER PLAN

LIFE SAFETY PLAN

OVERALL EXISTING SITE PLAN

EAST BUILDING EXISTING FLOOR PLAN

BASIS OF DESIGN NARRATIVE - SITE & BUILDING INFO

ARCHITECTURAL

State of California - The Resources Agency

*B8. Related Features:

Orange Daily News.

B13. Remarks: (Continues on Pg.3.)

(This space reserved for official comments.)

DPR 523B (1/95)

*Date of Evaluation: September, 200

DEPARTMENT OF PARKS AND RECREATION

BUILDING, STRUCTURE, AND OBJECT RECORD *NRHP Status Code 5D1

B3. Original Use: IND B4. Present Use: IND

B11. Additional Resource Attributes: (List attributes and codes)

Status change since 1991 Survey: Not previously surveyed.

*Resource Name or #:



DPR 523L (11/98)

DPR 523L (11/98)



Existing Condition Assessment and Conversion Basis of Design Strategies for:

The Hanger – Warehouse – Friends Church – Orange

The assessment below is intended to provide data to assist construction ROM pricing for the conversion of a current warehouse into an A occupancy community worship and flex space for Friends Church,

General Building Information

Address: 527 W Almond

Approximate Build: 1925 (steel construction)

Building is in Old Towne Orange Historic District- Listed as a significant resource

Parcel Assignment: Contributing Historic Building

Slab on grade

Fully sprinklered

Passive ventillation **Building Analysis**

+/-14,800 s.f. **Building Area** VB, sprinklered Type of Construction:

Weather tight needs

Building Conversion Considerations:

Acoustics

Fire/Life Safety

Change of Use – CUP required Assembly over 500 occupants - Risk Category III

 Interior Assumed exterior is historically significant.

 Worship gathering area – Internal. Rail adjacency – External

Historic compliance/considerations - 3 overlapping historic district overlays Pending review on the national register

 Exterior Look and Feel Site issues regarding historic – district overlays

144 North Orange Street - Orange CA 92866 - 714 639 9860 - 714 639 5286 Fax

144 N. Orange Street, Orange, CA 92866 T714.639.9860 aparchitects.com



Basis of Design Executive Narrative: ARCHITECTURAL BASIS OF DESIGN NARRATIVE:

The thoughtful design will be based on the assessment and guidance provided by George Taylor Louden, AIA Historical Architecture Consulting with strict adherence to the Secretary of the Interior Historic rehabilitation Standards. George Taylor Louden has been approved by the City of Orange planning department for assessment of and reporting for this property. The report is contained herein.

Building (Historical) Rehabilitation:

Exterior Corrugated Steel Panels: The general look and feel from the exterior is to be protected/preserved or refreshed to preserve the historical look and use of the building. The exterior corrugation will be removed and either mapped for reinstallation or replaced in kind with identical metal corrugation material. The removal will allow for the interior wall to be constructed to achieve energy efficiency as well as appropriate waterproofing necessary for the new use. Where an new material is proposed it is aligned with the same vertical ribbed articulation but stands apart from the existing emphasizing new vs historic. All significant existing horizontal banding or seaming will be maintained.

The existing windows are narrow steel sill/frame industrial windows with steel muntins. At a much more recent time a 2x wood frame with metal mesh was added to the exterior for unknown reasons. This has not aged well and would be removed and replaced with a metal frame around the existing windows to seal the windows from weather intrusion. South Elevation: (7: 4'x6') and lower windows (4: 5'x7')

West Elevation: (7: 4'x6') North Elevation: (8: 4'-6')

East Elevation: (8: 4'-6') and lower windows (1: 5'x7

The existing clearstory windows on South elevation (Almond), West elevation (Railway) and North Elevations (Parking

Lot) will be preserved by cleaning, repairing, sealing and installing a new metal frame surround. Existing Windows on the East Elevation will be modified with the introduction of the new entry portal; while 4 of the clerestory (4'x6') windows and the single lower (5'x7') window will be preserved, 4 clerestory windows will be removed to allow for the proposed entry structure and new modern operable windows at the NE mezzanine. Though

the new windows are modern they will be in keeping with the metal/steel muntin pattern consistent with the existing. A new insulated wall will be built on the interior side of the exterior skin with new double pane, single lite windows (muntin less) placed in the wall aligned with the existing window locations, so that the daylighting is preserved as well as the view of the existing historic windows from the inside. This is required for the conditioned space to meet T-24

Existing Corrugated Sliding Doors: The existing sliding warehouse doors along the South Elevation (Almond) will be preserved as precedence has been set within the Old Town district. They are to be preserved in the 'Closed' position. with the exterior slide rails intact. The operable door on the North Elevation will be replaced with a modern steel and glass overhead door. The southernmost sliding door on the East elevation will be preserved in the 'closed' position

144 North Orange Street - Orange CA 92866 - 714 639 9860 - 714 639 5286 Fax

with a new door installed. The center sliding door will be preserved in the 'closed' position with the new entry

Existing Louvers: The existing louvres were installed at a more recent time, they do not fit the original openings and plywood was used to seal the remaining gaps. New industrial louvers will be installed custom to the original openings. They can be false vents or tied to new HVAC system to allow for fresh-air intake. If not required for HVAC use: the new interior perimeter wall will cover them from view on the interior.

Metal Corrugated Roof: The existing corrugated roof diaphragm will be maintained, new continuous insulation will be installed over the corrugation with new corrugated material (painted) over the insulation. This material will match the existing curved corrugated material currently visible. An integrated gutter system will be installed in the roof overhang along Almond out of view and will be internally drained and tied to underground storm drains. Overflow outlets will be located on the West and East elevations.

Existing Steel Structure: The structure will be preserved and modified only where necessary to meet historical structural code. The change in occupancy requires the building to be upgraded to a seismic risk category III. This includes expansion of main structural column footings, additional truss bracing in the roof structure and added xbracing in the exterior structural system for additional seismic lateral support. The approach will be careful use of materials to blend with the current structural steel members for the added wall x-bracing and added roof structure truss bracing. The expanded footings will be invisible to the eye as disrupted conditions will be replaced to match

Existing Loading Dock: The proposed use requires an infill of the existing loading dock, The approach is to leave the dock sloped slab in place, infill with structural EPS geofoam with a new concrete topping slab to flush out with current finished floor level. The design takes into consideration the reversable criteria of being able to return the dock to its original form in the future if the opportunity presents itself.

New Design Elements Introduced

The architectural design intent for modernization and adaptive reuse aims to honor the building's historic character while introducing contemporary industrial farmhouse elements.

 Barrel-Vaulted Aesthetic: The existing corrugated hangar style is preserved and enhanced inside and out. The open roof structure will remain exposed on the interior. The vertical steel structural columns and X-Bracing will remain visible on the interior. Internal overhead doors leading to the north space will remain open while in-filled with modern storefront glazing.

 New Prominent Entryway and Courtvard facade enhancements: A prominent entryway on the East elevation within the courtyard (The Yard) will bring an important welcoming ceremonial entry element balancing a contrast of old and new. An integrated cross in the storefront signifies the entry to God's house and worship.

New operable 2nd story windows on East elevation: The inclusion of modern steel or metal matching steel windows at the mezzanine level will be introduced to create greater transparency; allowing views from the interior balcony into the revitalized courtyard below.

A new faux steel storefront system will be integrated into the lower rear structure to accommodate a café, clad in standing seam metal panels that replace the existing damaged metal skin, maintaining a similar profile while incorporating a striking dark bronze finish for added contrast. These elements are implemented on the interior courtyard to enhance the guest experience within an important congregation area.

Exterior Enhancements and Canopy along Almond: Similar to the metal cladded finish on the interior courtyard facade, this finish will also be applied to eastern end of the Almond Street elevations with a metal eyebrow constructed of similar wide flange steel shapes found within the structure. This important feature highlights the new adaptive re-use and provides for signage and a more intuitive wayfinding identity to the main entry within the courtyard since no new access is proposed along Almond.

Overall, these minimal changes and thoughtful enhancements make a significant impact, celebrating the building's historical essence while infusing it with modern functionality. These thoughtful enhancements maintain the building's historical essence while introducing modern functionality, creating a welcoming and vibrant space within an important historically significant building preserving the important past industry within the Orange Historical District.

It is suggested that an acoustical consultant be brought in to assess the proposed wall assembly to abate nuisance noises from the exterior and interior acoustic (light weight) panels provided on the interior to provide for an appropriate interior space experience.

Large multiple occupancy accessible restrooms will need to be installed to support final occupancy counts

Building Envelope: Wall Assembly

Existing wall:

Existing metal siding to remain, or be replaced in kind. Provide new nsulated stud wall with plywood sheathing and air/vapor barrier on exterior side and gypsum wall board finish on interior side. Existing metal siding to be removed and reinstalled after new interior wall constructed. See detail below.

Painted metal siding attached directly to metal building frame and steel

EXTERIOR WALL ASSEMBLY

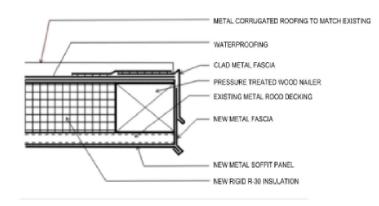
Entrances and Exits: New Exits will need to be considered around the perimeter to meet egress requirements of an A-3 of high occupancy, See Exhibit A. Consider standard storefront systems in these areas and steel insulated doors on the railway (west elevation) side. A continuous concrete curb existing around the exterior perimeter that would be demoed in entrance/egress locations only. (See Photo Exhibit C)

Structural review of existing metal deck to confirm its reuse

Roof Assembly

Existing Roof: Painted metal deck

Proposed roof: New corrugated metal roof panels to match existing roof system with decorative profile over new rigid insulation (R-30) over existing metal



CIVIL BASIS OF DESIGN NARRATIVE:

EXISTING CONDITIONS:

- . Existing site is located at the northwest corner of Cypress Street and Almond Avenue and is
- bound by the AT&SF railroad to the west, Commercial office space and parking improvements to the north, Cypress Street and residential properties to the east, and Almond Avenue and additional commercial properties to the south.
- Two structures exist on the current property along with asphalt parking spaces, asphalt and concrete drive aisles, and courtyard paving and deck improvements located between the two
- The westerly structure (527 W Almond Avenue) is a warehouse building with a truck dock located at the northwest corner of the structure.
- The easterly structure (180 Cypress Street) is an office building which is currently occupied · The courtyard currently includes decking which is constructed atop the original truck dock, which was used to service the westerly hangar structure. The courtyard improvements were constructed in 2011 prior to which the entire area between the two structures was paved in

asphalt and concrete pavement to support the hanger building.

<u>Drainage Tributaries:</u> Site drainage flows generally from north to south with three separate

tributaries (westerly, central, and easterly). Westerly Tributary: The westerly tributary includes drainage from the parking field to the north of the warehouse as well as a portion of the courtvard drainage wich surface flows to the northerly drive aisle.

CRITICAL: The westerly tributary also receives surface runoff from the northern property (160 N Cypress Street) via a surface opening in the northerly gate.

All runoff from the westerly tributary is collected at the northwest corner of the warehouse building and discharged to Cypress Street via a 10" concrete pipe which runs along the westerly face of the structure and discharges to a catch basin on the northerly curb face of Almond Avenue near the center of he warehouse building.

Central Tributary: The central tributary includes drainage from the courtyard area as well as a majority of the office building roof and a smaller portion of the warehouse roof. All drainage within this tributary is captured via roof drains or inlets and directed to the existing truck dock. Located within the truck dock is a recycled water system (2 - 5' diameter by 3' depth cisterns) as well as a 24"x 24" concrete catch basin placed at the southwest corner of the truck dock. Low flows are captured in the rainwater harvesting system whereas high flows are captured in the truck dock void space and pumped up to grade and discharged to the curb face on Almond Avenue.

144 North Orange Street - Orange CA 92866 - 714 639 9860 - 714 639 5286 Fax

 Eastern Tributary: the eastern tributary is comprised of a small portion of the office roof (overhand area only) as well as the easterly surface parking lot. All drainage sheet flows to the existing curb and gutter on Almond Avenue or Cypress Street.

 Downstream Conditions: All runoff from the project site is captured in the catch basin located on the north curb face of Almond Avenue. Drainage is then conveyed in an 18" CMP Arch across the street to a shallow catch basin and subsequently conveyed westerly under the railroad tracks via a similar CMP arch culvert and discharged at grade to the curb and gutter of Almond Avenue

GRADING & DRAINAGE:

Proposed Grading:

 Westerly Tributary: Asphalt grind and overlay will be required along the northerly face of the warehouse

building to blend the expanded building footprint to the existing grades. Drainage patterns along the north of the structure will be maintained with surface runoff being directed to the westerly property line. The FFE of the western egress doors will be raised by 8" in order to provide separation

way. Egress paths will be raised above existing grade and join paths of travel along the north and south.

Central Tributary:

Existing courtyard improvements will be fully removed with the truck dock protected in place to the maximum extent possible. Grated inlets, slot drains, and subdrain systems will be utilized to capture surface runoff and direct the runoff to a catch basin located at the southerly corner of the courtyard (see drainage and water quality section for further

The FFE of the easterly office building is approximately 1.5' higher than the warehouse building. Stairs and ADA compliant ramps will be utilized to combine paths of travel from the easterly office building to the warehouse ADA parking stalls will be striped and designated at the northeast corner of the courtyard to service the proposed hanger structure. Grading and ADA compliance

review will be conducted on the existing stalls to confirm if grading improvements are

Eastern Tributary: No modifications or grading improvements are proposed within the eastern tributary

required to achieve required grads.

Public Street improvements: Existing sidewalk and curb and gutter will be removed and replaced along the entire frontage of Almond Avenue. New sidewalk will be constructed per Class I Parkway City of Orange Standards.

Existing driveway along Almond Avenue will be reconstructed per City Standards Existing curb ramp at the northwest corner of Almond & Cypress will be reconstructed. Existing street light on power pole will be removed and a new street light, pull box, and conduit will be installed on Almond Avenue per City Standards

144 North Orange Street - Orange CA 92865 - 714 639 9860 - 714 639 5286 Fax

Street improvements on Cypress Street will remain unchanged.

Proposed Drainage & Hydrology:

- Proposed site drainage will match existing drainage patterns and discharge all site runoff to the curb and gutter of Almond Avenue. Further hydrology and hydraulic studies will be required to verify adequacy of existing drainage systems and to confirm the HGL of anticipated large storm events. The concepts below outline the approach that will be taken within each tributary:
- Westerly Tributary: Primary capture of drainage will be in existing 24" grated in let at western edge of property which flows to a 10" Concrete Pipe and subsequent 18"/21" CMP Arch culvert
- Secondary capture and flood protection will be provided along the western property line with a high flow parkway drain connecting any runoff not captured in the storm drain to
- the curb and gutter along Almond Street. Central Tributary: All drainage captured via inlets and roof drains will be directed to the 24" grated inlet located at the southern edge of the courtyard. Water quality flows will be diverted from
- Peak flow runoff from small and large storm events will then designed to spill out of the 24" grated inlet to the proposed 24" parkway drain towards Almond Avenue
- Depending on results of the hydrology report and pre/post runoff analysis, the existing truck dock void space may continue to be utilized for peak flow mitigation measures. Further studies are pending and will be submitted to the City.

o No modifications or grading improvements are proposed within the eastern tributary

this inlet to the ultimate water quality treatment system (see below).

Water Quality

- The proposed project will reconstruct and grade more than 5,000 SF of impervious area and will be subject to implementation of water quality improvements. A pWQMP is in progress and will be submitted. Schematic grading and drainage has assumed a project impact area of 10,000 SF
- for water quality purposes for which a design capture volume of 550 Cubic Feet is assumed. Geotechnical review and infiltration studies are pending. Preliminary review has indicated groundwater is approximately 20' below grade and may be feasible however, adequate clearance from existing structures and property lines may result in an infeasibility determination. For the
- system has been shown. Should infiltration be deemed infeasible, proprietary flow based water quality treatment systems will be recommended with post treatment water quality flows being pumped directly to the curb face via a new curb drain.

purpose of this submittal, a schematic footprint for a 550 cubic foot, open bottom infiltration

144 North Orange Street - Orange CA 92866 - 714 639 9860 - 714 639 5286 Fax

Domestic Water System Both structures on the existing site are serviced by a single, 2" water meter located on Almond

 Existing 2" services will be intercepted after the meter and will be directed to a new 2" backflow device. Services will then be rounted on site and reconnected to the two existing structures.

SITE UTILITIES

- The hangar building is currently services by a direct fire water connection and underground
- check valve on Almond Avenue. The office building is currently sprinklered. • Existing fire water services on Almond Avenue is proposed for abandonment per City Standards and a new 6" - 8" fire water connection is proposed on Cypress Street (pending final hydraulic
- A new double detector check and private fire hydrant will be constructed on site pre Orange Fire clearance requirements
- A dedicated fire water connection will be constructed for each building with associated PIV and FDC to services the proposed sprinkler systems.

· No dedicated irrigation meter or backflow device currently exists on site. · The proposed development will install a single, 1" irrigation meter and backflow devices to

an existing 6" VCP sewer main that flows westerly.

Irrigation Water System

- service the proposed landscaping improvements. . The hangar building is currently services by a sewer lateral on Almond Avenue which connects to
- The Office building is currently services by a sewer lateral on Cypress Street which connects to an existing 8" VCP sewer main. Existing sewer laterals for both structures are proposed for reuse. Utility locating will be
- required to confirm the location and depth of the existing sewer laterals. Pending potential depth constraints, a new sewer lateral has been shown to connect the coffee shop plumbing to the existing sewer main on Cypress Street. The on-site sewer will connect to an existing sewer lateral for the site which was used to service prior improvements on the office

144 North Orange Street - Orange CA 92866 - 714 639 9860 - 714 639 5286 Fax

SITE AREA: 48804 FRIENDS CHURCH - ORANGE **ACRES** 426 W ALMOND AVE ORANGE, CA 92866 KYLE ZIMMERMAN 949.637.7646 TOTAL EXIST. BUILDING AREA: S.F. EXISTING TO REMAIN KYLEZ@FRIENDS.CHURCH WEST BUILDING (WAREHOUSE) 11,452 S.F. GENERAL CONTRACTOR: EAST BUILDING (OFFICE) 6,447 S.F. C.W. DRIVER F.A.R. (EXISTING) 0.37 2190 S TOWNE CENTRE PLACE ANAHEIM, CA 92806 TOTAL PROPOSED BUILDING 19740* 1841 NEW S.F. KARL KREUTZIGER 949.444.3531 AREA: KKREUTZIGER@CWDRIVER.COM | WEST BUILDING (WAREHOUSE) 13,293 S.F. **AO ARCHITECTS** EAST BUILDING (OFFICE) 6,447 S.F. 144 S. ORANGE ST. F.A.R. (PROPOSED) ORANGE, CA 92866 JEFF RABBITT 714.639.9860 *A-3, VB, FULLY SPRINKLERED, ALLOWABLE AREA = 24,000 S.F. PER CBC 2022 TABLE 506.2 JEFF@ARCHITECTSORANGE.COM *B, VB, FULLY SPRINKLERED, ALLOWABLE AREA = 36,000 S.F. PER CBC 2022 TABLE 506.2 **CIVIL ENGINEER:** PARKING SUMMARY:

(E) ON-SITE PARKING

OFFSITE PARKING

FOR THIS PROJECT.

BUILDING AND SITE SUMMARY

TAIT & ASSOCIATES, INC. REQUIRED 701 N. PARKCENTER DRIVE, SANTA ANA, CA 92705

DSLOAN@TAIT.COM HISTORIC ARCHITECTURAL CONSULTANT: GEORGE TAYLOR LOUDEN, AIA

6330 GREEN VALLEY CIRCLE #301 CULVER CITY, CA 90230 TAYLOR LOUDEN 310.874.8783 TAYLOR@HISTORICALARCHITECT.COM

DAVID SLOAN 714.560.8643

CONTACT INFORMATION

CURRENT: USE 200, OTMU-15 (SP) NATIONAL REGISTER OLD TOWN DISTRICT

BUILDING AREA TABULATION & INFORMATION

LOCAL OLD TOWN ORANGE HISTORIC DISTRICT

EAST BUILDING - OFFICE BUILDING

OCCUPANCY TYPE (E) OCCUPANCY TYPE: B (N) OCCUPANCY TYPE: B/A

OCCUPANCY LOAD

A OLF (1:15) 3,145 SQFT: B OLF (1:150) 3,302 SQFT:

BUILDING CONSTRUCTION TYPE: VB, FULLY SPRINKLERED

WEST BUILDING - WAREHOUSE

OCCUPANCY TYPE (E) OCCUPANCY TYPE: S (N) OCCUPANCY TYPE: B/A

OCCUPANCY LOAD

A OLF (1:15) 7,583 SQFT: B OLF (1:150) 12,157 SQFT:

BUILDING CONSTRUCTION TYPE: VB, FULLY SPRINKLERED 1925 (STEEL CONSTRUCTION)

SANTA FE DEPOT SPECFIC PLAN

GUIDELINES.

AREA OF WORK

ADDRESS

180 S CYPRESS ST & 527 W ALMOND AVE. ORANGE, CA 92866 LEGAL DESCRIPTION

> CHUBBS ADD LOT 8 BLK B AND LOTS 9 TO 13 INC BLK B TR 178 APN(S): 390-661-05

FIRE REQUIREMENTS **ENVELOPE FIRE RATINGS**

FULLY AUTOMATIC FIRE SPRINKLER SYSTEM BUILDING INSTALLED IN ACCORDANCE WITH NFPA 13 AS REQUIRED BY CFC SECTION 903.2.1.2(4) AND/OR CHBC SECTION 8-410.1.

THIS PROPERTY IS LOCATED WITHIN THE SANTA

FE DEPOT SPECIFIC PLAN AND IS SUBJECT TO REVIEW AND APPROVAL FOR CONSISTENCY

WITH THE SANTA FE DEPOT SPECIFIC PLAN

4 PUBLIC FIRE HYDRANTS BETWEEN 500'.

EXISTING BUILDING COMPLY, PER CBC SECTION 508, SECTION 601 & 602. A- EXTERIOR WALL FIRE-RESISTANCE RATING (TABLE 508.4): B- SEPARATION WALLS (TABLE 601 & 602): C- ROOF ASSEMBLY

NON-RATED NON-RATED

NON-RATED

1.120386

STALLS

33 SPACES PER 1,000 FOR GENERAL

AND NEW CHURCH OFFCIES

PURSUANT TO AB 2097, THE CITY CANNOT IMPOSE ANY MINIMUM PARKING STANDARDS ON

PROJECTS THAT ARE WITHIN 1/2 MILE OF A HIGH QUALITY TRANSIT STOP (WHICH IS THE TRAIN

STATION IN OLD TOWNE), THEREFORE, THERE IS NO MINIMUM OFF-STREET PARKING REQUIREMENT

ASSEMBLY BASED ON A TOTAL ASSEMBLY

CURRENT PROPOSED USE - INCLUDING NEW

CHURCH, CAFE, OUTSIDE PATIO 'THE YARD'

AREA OF 7,150 SF - AREA REQUIRED FOR

PER OCM

INCLUDING 4

ADA STALLS

ADDITIONAL PARKING WILL

BE OBTAINED THROUGH AN

AGREEMENT BY OWNER

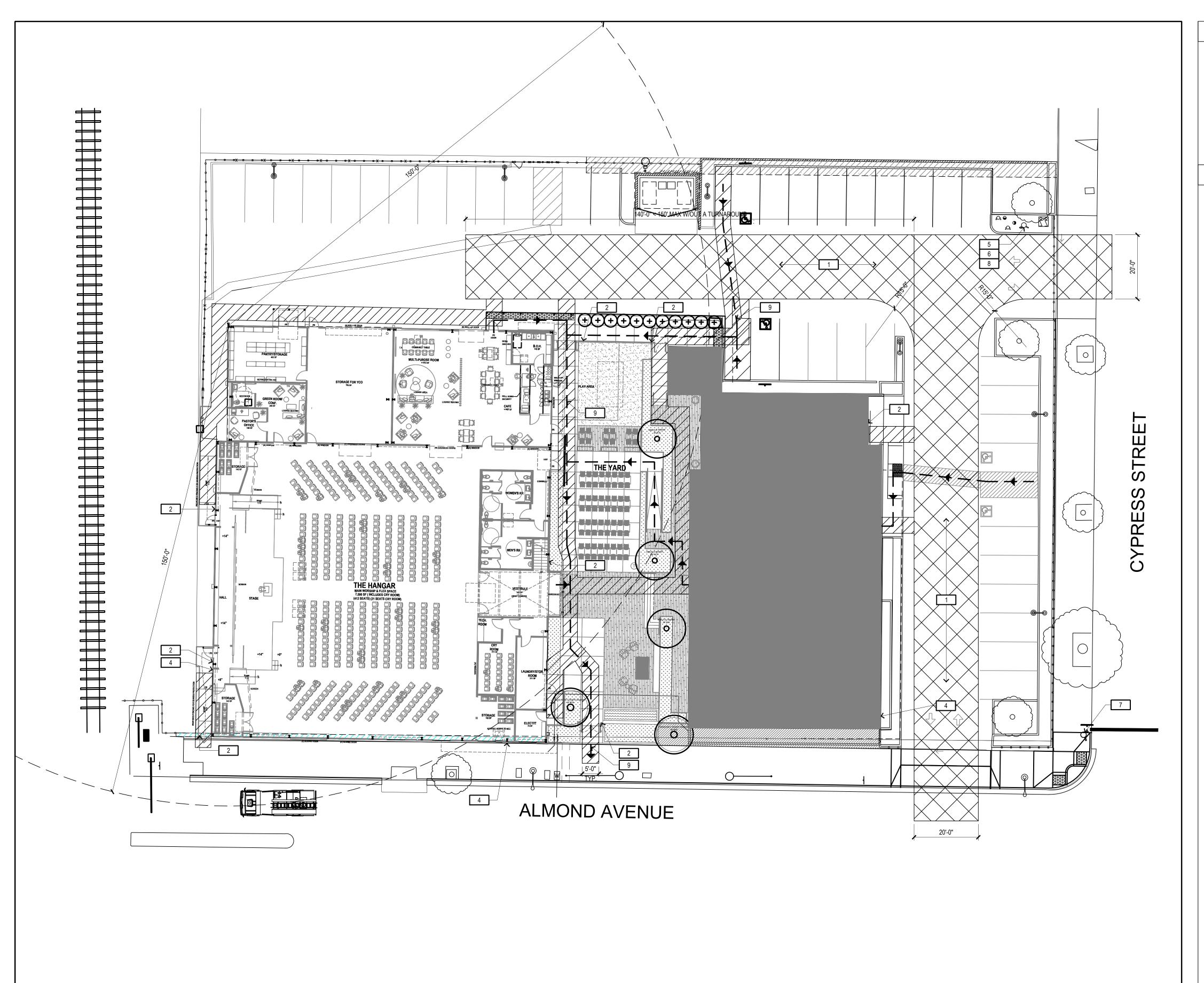
OFFSITE PARKING

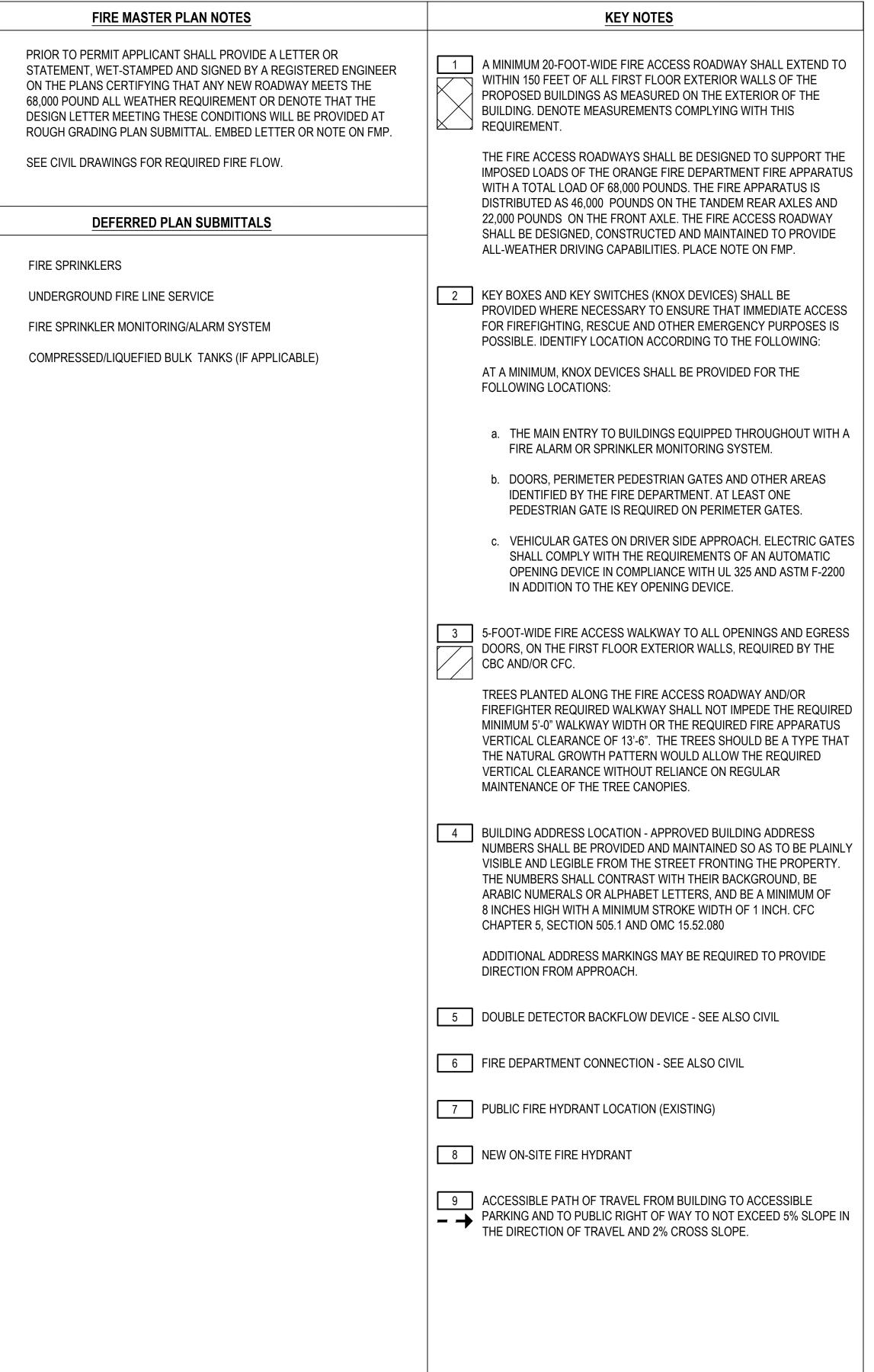
BASIS OF DESIGN NARRATIVE SITE INFORMATION

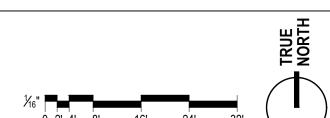




144 North Orange Street - Orange CA 92866 - 714 639 9860 - 714 639 5286 Fax

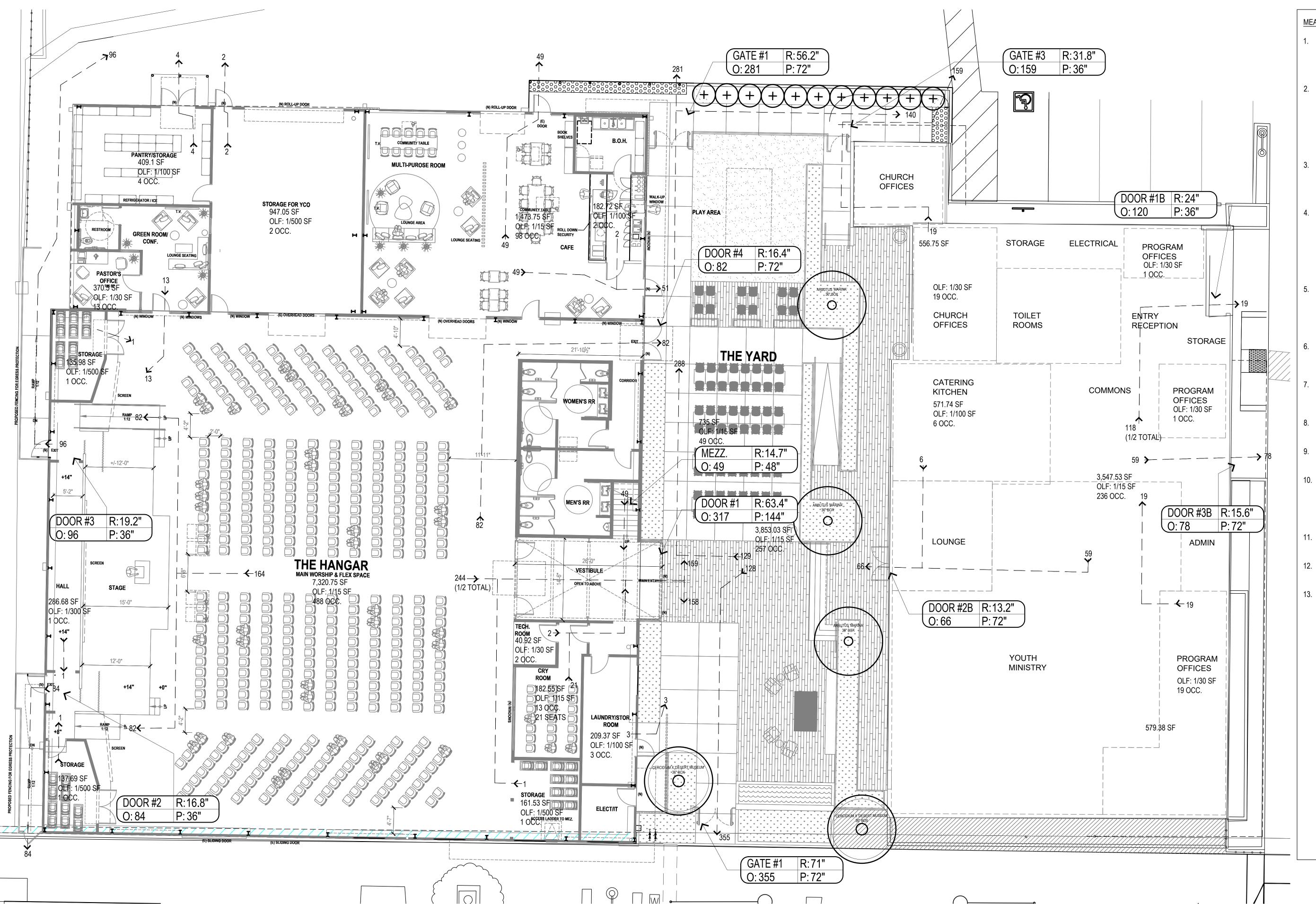










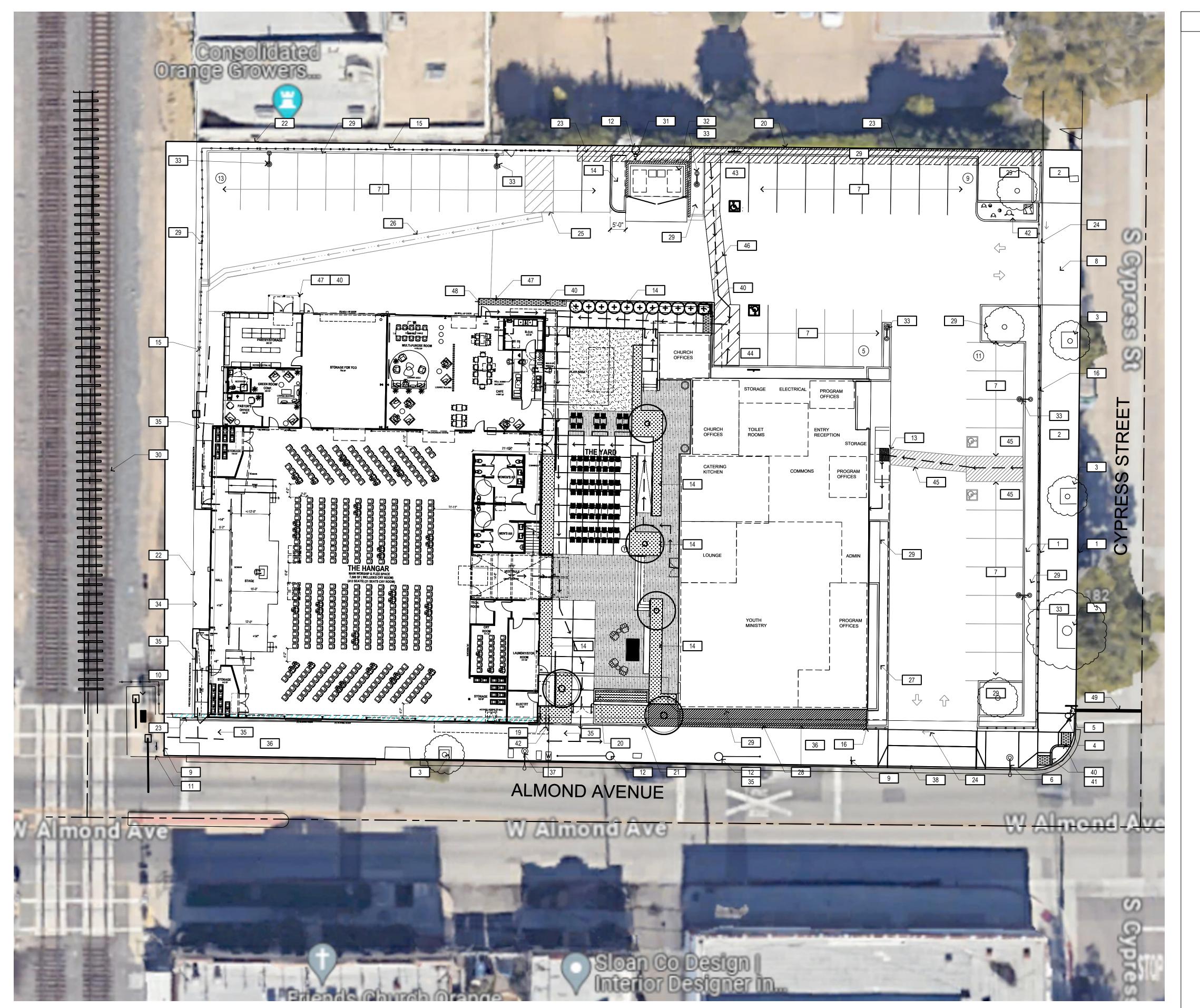


MEANS OF EGRESS GENERAL NOTES

- THE MEANS OF EGRESS SHALL HAVE A CEILING HEIGHT OF NO LESS THAN 7' - 6". PROTRUDING MAY NOT REDUCE THE HEADROOM BELOW 80 INCHES ABOVE ANY WALKING SURFACE AND NO MORE THAN 50% OF THE CEILING AREA MAY BE REDUCED.
- EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED. INTERNALLY ILLUMINATED EXIT SIGNS SHALL BE LISTED AND LABELED AND EXTERNALLY ILLUMINATED EXIT SIGNS SHALL COMPLY WITH THE POWER SOURCE REQUIREMENTS IN SECTIONS 1013.6.2 WHEN THE FACE OF AN EXIT SIGN IS ILLUMINATED FROM AN EXTERNAL SOURCE, IT SHALL HAVE AN INTENSITY OF NOT LESS THAN 5 FOOT CANDLES.
- ANY TIME A BUILDING OR A PORTION OF A BUILDING IS OCCUPIED, THE MEANS OF EGRESS SERVING THE OCCUPIED PORTION SHALL BE ILLUMINATED AT AN OF NOT LESS THAN 1 FOOT CANDLE AT THE WALKING SURFACE.
- THE EXIT SIGNS SHALL ALSO BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM WHICH IS TO PROVIDE CONTINUED ILLUMINATION FOR A DURATION OF NO LESS THAN 90 MINUTES IN CASE OF PRIMARY POWER LOSS. CONTINUED IS TO BE PROVIDED FROM STORAGE BATTERIES, UNIT EQUIPMENT, GENERATOR AND THE INSTALLATION OF THE EMERGENCY BE INSTALLED IN ACCORDANCE WITH CHAPTER 27. (1013.6.3)
- EMERGENCY LIGHTING FACILITIES SHALL BE ARRANGED TO PROVIDE INITIAL ILLUMINATION THAT IS AT LEAST AN AVERAGE OF 1 FOOT CANDLE (11 LUX) AND A MINIMUM AT ANY POINT OF 0.1 FOOT CANDLE (1 LUX) MEASURED ALONG THE EGRESS AT FLOOR LEVEL. A MAXIMUM TO MINIMUM ILLUMINATION OF 40 TO 1 SHALL NOT BE EXCEEDED (1008.3.5).
- EXIT SIGN SHALL BE LOCATED 48" MIN. TO BOTTOM OF BRAILLE LETTERING AND 60" MAX. TO BOTTOM OF TOP SIGNAGE LETTERING ABOVE FINISH
- EXIT DOORS/GATES ARE REQUIRED TO SWING IN THE DIRECTION OF TRAVEL AND BE PROVIDED WITH PANIC HARDWARE IN AREAS WITH 50 OR MORE OCCUPANTS.
- ALL DOORS ON THE ACCESSIBLE ROUTE OR CIRCULATION PATH HAVE A MAX OPENING FORCE OF 5 POUNDS.
- MEANS OF EGRESS LIGHTING TO BE PROVIDED WITH EMERGENCY POWER BACK-UP SUPPLY PER CBC 1008.3
- 10. ELECTRICALLY POWERED, SELF-LUMINOUS AND PHOTO LUMINESCENT EXIT SIGNS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 924 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND CHAPTER 27. EXIT SIGNS SHALL ILLUMINATED AND ALI TIMES. CBC 1013.5
- A KEY, SPECIAL KNOWLEDGE OR EFFORT
- DUCT DETECTION SHALL BE REQUIRED FOR ALL AIR HANDLING SYSTEMS THAT EXCEED 2,000 CFM'S WILL NEED TO TIE IN TO EXISTING FIRE ALARM

LIFE SAFETY PLAN

www.aoarchitects.com



SITE LIGHTING REQUIREMENTS

1 EXISTING CURB TO REMAIN

2 EXISTING SIDEWALK TO REMAIN

3 EXISTING STREET TREES TO REMAIN

4 EXISTING FIRE HYDRANT

5 RELOCATED STOP SIGN

KEYNOTES

6 EXISTING STREET LIGHT TO REMAIN

7 EXISTING PARKING SPACE(S) TO REMAIN

8 EXISTING CURBCUT TO REMAIN

9 EXISTING RR SIGN TO REMAIN

10 EXISTING RR PEDESTRIAN ARM TO REMAIN

11 EXISTING RR TRAFFIC ARM TO REMAIN

12 EXISTING TELEPHONE POLE AND GUY WIRE TO REMAIN

13 EXISTING TRUNCATED DOMES TO REMAIN

14 NEW PLANTER - SEE LANDSCAPE PLANS

15 EXISTING 8' HIGH COATED CHAINLINK FENCE TO REMAIN

16 EXISTING 4' HIGH STEEL PICKET FENCE TO REMAIN

NEW FIRE DEPARTMENT CONNECTION CONFIRM LOCATION ON SITE

EXISTING FIRE RISER W/ VERTICAL DOUBLE CHECK BACK FLOW PREVENTION ASSEMBLY

19 EXISTING GAS METER

20 EXISTING 8' CMU BLOCK WALL

21 EXISTING 6' STEEL PICKET FENCE

22 EXISTING PROPERTY LINE

23 EXISTING EASEMENT- SEE CIVIL

24 EXISTING OPERABLE GATE

25 EXISTING LOADING ZONE

26 EXISTING GUTTER/SWALE

27 EXISTING LOW WALL PLANTER

28 EXISTING GATE POSTS

29 EXISTING PLANTER

30 EXISTING TRAIN TRACKS

31 EXISTING TELECOM RISER 32 NEW TRASH ENCLOSURE PER CITY STD 409

NEW LIGHTPOLE WITH SHIELDING (SEE NOTES AND REQUIRMENTS BELOW)

34 EXPOSED DRAINAGE SWALE- SEE CIVIL

35 PARKWAY DRAINAGE UNDER SIDEWALK- SEE CIVIL

36 NEW SIDEWALK/CURB AND GUTTER- SEE CIVIL

37 NEW LIGHT POLE IN PUBLIC RIGHT OF WAY

38 NEW DRIVEWAY APPROACH- SEE CIVIL

39 REMOVE STREET LIGHT FROM EXISTING POLE 40 NEW TRUNCATED DOMES

41 NEW CURB RAMP- SEE CIVIL

42 NEW UTILITIES- SEE CIVIL

43 NEW ACCESSIBLE PARKING SPACE W/ ADJACENT LOADING AREA. SEE DETAIL ON THIS SHEET

44 NEW VAN ACCESSIBLE PARKING SPACE W/ ADJACENT LOADING AREA. SEE DETAIL ON THIS SHEET

45 EXISTING STANDARD AND VAN ACCESSIBLE PARKING SPACE WITH ADJACENT LOADING AREA AND PATH OF TRAVEL TO REMAIN

46 NEW ACCESSIBLE PATH OF TRAVEL STRIPING

47 NEW PROTECTIVE BOLLARDS

48 NEW PAINTED STEEL GUARDRAIL

49 NEW STOP BAR- SEE CIVIL

UNCOVERED PARKING LOTS SHALL BE PROVIDED WITH A MAINTAINED MINIMUM OF ONE FOOT-CANDLE OF LIGHT ACROSS THE ENTIRE PARKING SURFACE. PROVIDE A PHOTOMETRIC PLAN FOR THE PROPOSED PARKING AREAS FOR THIS PROJECT. INCLUDE PHOTOMETRIC VALUES 10 FEET BEYOND THE EAST PROPERTY LINE. LIGHT SPILLAGE ONTO ADJACENT RESIDENTIAL AREA SHALL NOT EXCEED .50 FOOT-CANDLES OF LIGHT.

SITE SHALL BE ILLUMINATED WITH AN INTENSITY OF AT LEAST .50 FOOT CANDLES OF LIGHT AT THE GROUND LEVEL DURING THE HOURS OF DARKNESS. LIGHTING DEVICES SHALL BE PROTECTED BY WEATHER AND VANDALISM RESISTANT

CITY OF ORANGE CRIME PREVENTION NOTES

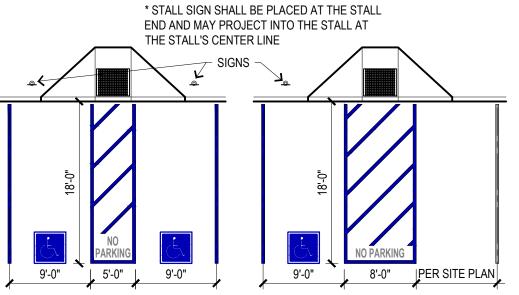
THE PROJECT SHALL ALSO COMPLY WITH THE REQUIREMENTS CONTAINED IN THE CITY OF ORANGE MUNICIPAL CODE CHAPTER 15.52, BUILDING SECURITY CONSTRUCTION STANDARDS REFERENCE ORDINANCE #6-22.

THIS PROJECT WILL BE SUBJECT TO MEASURES INCORPORATE THE CONCEPTS INVOLVES CONSIDERATIONS SUCH AS PLACEMENT AND ORIENTATION OF STRUCTURES, ACCESS AND VISIBILITY OF COMMON AREAS, PLACEMENT OF DOORS, WINDOWS, ADDRESSING, AND LANDSCAPING. CPTED PROMOTES PUBLIC SAFETY, PHYSICAL SECURITY AND ALLOWS CITIZENS THE ABILITY TO MONITOR ACTIVITY. IT IS BASED ON FIVE

CONCEPTS TO PROVIDE NON-INVASIVE AND PERMANENT MEASURES TO PREVENT AND REDUCE CRIME: TERRITORIALITY, NATURAL SURVEILLANCE, ACCESS CONTROL, ACTIVITY SUPPORT, AND MAINTENANCE. THE PROJECT SHALL ALSO COMPLY WITH THE REQUIREMENTS

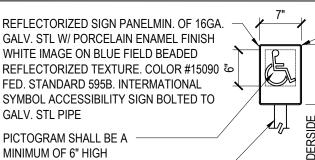
ACCESSIBLE PATH OF TRAVEL

ACCESSIBLE EGRESS UNOBSTRUCTED PATH OF TRAVEL- ACCESSIBLE (UNLESS NOTED OTHERWISE) WITH SLOPE NOT TO EXCEED 5% IN THE DIRECTION OF TRAVEL AND CROSS SLOPE NOT TO EXCEED 2%.



DUAL REGULAR ACCESSIBLE

SINGLE VAN ACCESSIBLE STALL



2" DIA. GLAV. STEEL PIPE

 $^{\prime\prime}$ PROVIDE ADD'L "VAN ACCESSIBL TEXT AT VAN ACCESSIBLE EVCS

70 SQUARE

INCHES

IDENTIFICATION SIGN

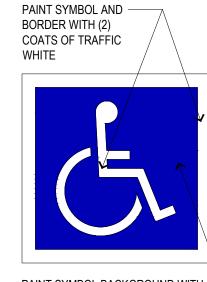
SIGN NOTES (§11B-812.8): WHERE FOUR OR FEWER TOTAL EVCS STALLS ARE PROVIDED ON THE SITE, IDENTIFICATION SIGN IS

AMBULATORY EVCS STALLS SHALL NOT BE REQUIRED TO BE IDENTIFIED BY A SIGN.

Each accessible car and van space shall have surface identification complying with either of the following schemes: §1B-502.6.4

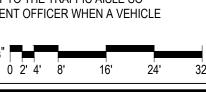
a. The parking space shall be marked with an International Symbol of Accessibility complying with Section 11B-703.7.2.1 in white on a blue background a minimum 36 inches wide by 36 inches high. The centerline of the International Symbol of Accessibility shall be a maximum of 6 inches from the centerline of the parking space, its sides parallel to the length of the parking space and its lower corner at, or lower side aligned with, the end of the parking space length. §1B-502.6.4.1

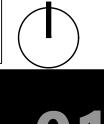
The parking space shall be outlined or painted blue and shall be marked with an International Symbol of Accessibility complying with Section 11B-703.7.2.1 a minimum 36 inches wide by 36 inches high in white or a suitable contrasting color. The centerline of the International Symbol of Accessibility shall be a maximum of 6 inches from the centerline of the parking space, its sides parallel to the length of the parking space and its lower corner at, or lower side aligned with, the end of the parking space. §11B-502.6.4.2



PAINT SYMBOL BACKGROUND WITH -(2) COATS OF TRAFFIC BLUE (COLOR #15090 IN FED. STD. 595B)

NOTE: THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE A MINIMUM 36 INCHES HIGH BY 36 INCHES WIDE AND SHALL BE ALIGNED WITH THE END OF THE STALL OR SPACE ADJACENT TO THE TRAFFIC AISLE SO THAT IT IS VISIBLE TO A TRAFFIC ENFORCEMENT OFFICER WHEN A VEHICLE IS PROPERLY PARKED IN THE SPACE

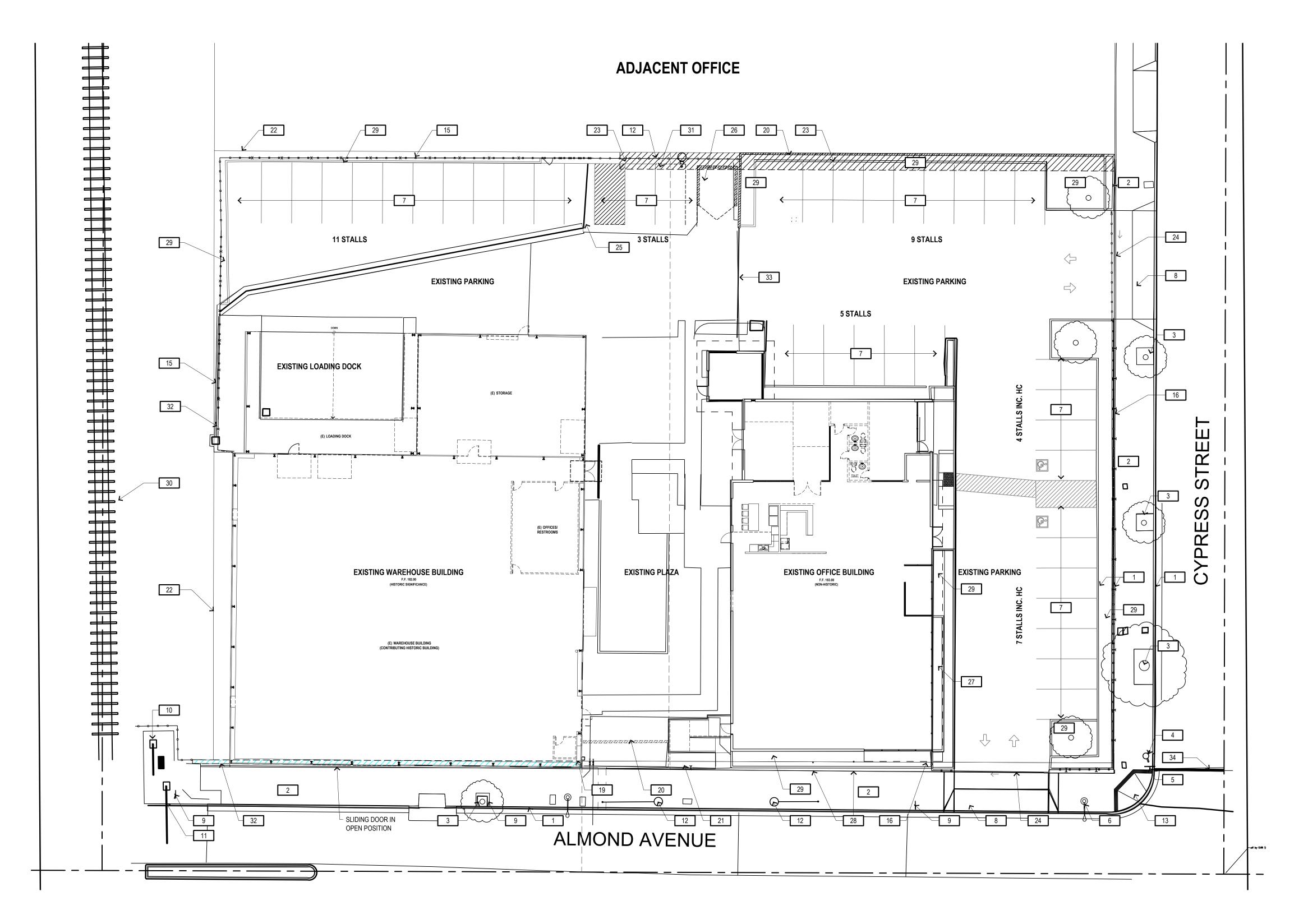






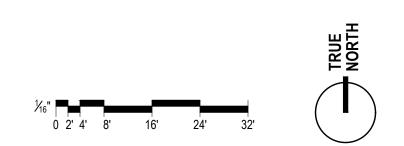
FRIENDS

FRIENDS CHURCH - THE HANGAR





- 1 EXISTING CURB
- 2 EXISTING SIDEWALK
- 3 EXISTING STREET TREES TO REMAIN
- 4 EXISTING FIRE HYDRANT
- 5 EXISTING STOP SIGN TO BE RELOCATED
- 6 EXISTING STREET LIGHT TO REMAIN
- 7 EXISTING PARKING SPACE(S) TO REMAIN
- 8 EXISTING CURBCUT
- 9 EXISTING RR SIGN TO REMAIN
- 10 EXISTING RR PEDESTRIAN ARM TO REMAIN
- 11 EXISTING RR TRAFFIC ARM TO REMAIN
- EXISTING TELEPHONE POLE AND GUY WIRE TO REMAIN
- 13 EXISTING CURB RAMP TO BE REPLACED
- 14 EXISTING SITE LIGHT TO BE RELOCATED
- EXISTING 8' HIGH COATED CHAINLINK FENCE TO REMAIN
- EXISTING 4' HIGH STEEL PICKET FENCE TO REMAIN
- 17 NOT USED
- EXISTING FIRE RISER W/ VERTICAL DOUBLE CHECK BACK FLOW PREVENTION ASSEMBLY
- 19 EXISTING GAS METER
- 20 EXISTING 8' CMU BLOCK WALL
- 21 EXISTING 6' STEEL PICKET FENCE
- 22 EXISTING PROPERTY LINE
- 23 EXISTING EASEMENT PER CIVIL
- 24 EXISTING OPERABLE GATE
- 25 EXISTING LOADING ZONE
- EXISTING TRASH ENCLOSURE TO BE DEMOLISHED
- 27 EXISTING LOW WALL PLANTER
- 28 EXISTING GATE POSTS
- 29 EXISTING PLANTER





FRIENDS



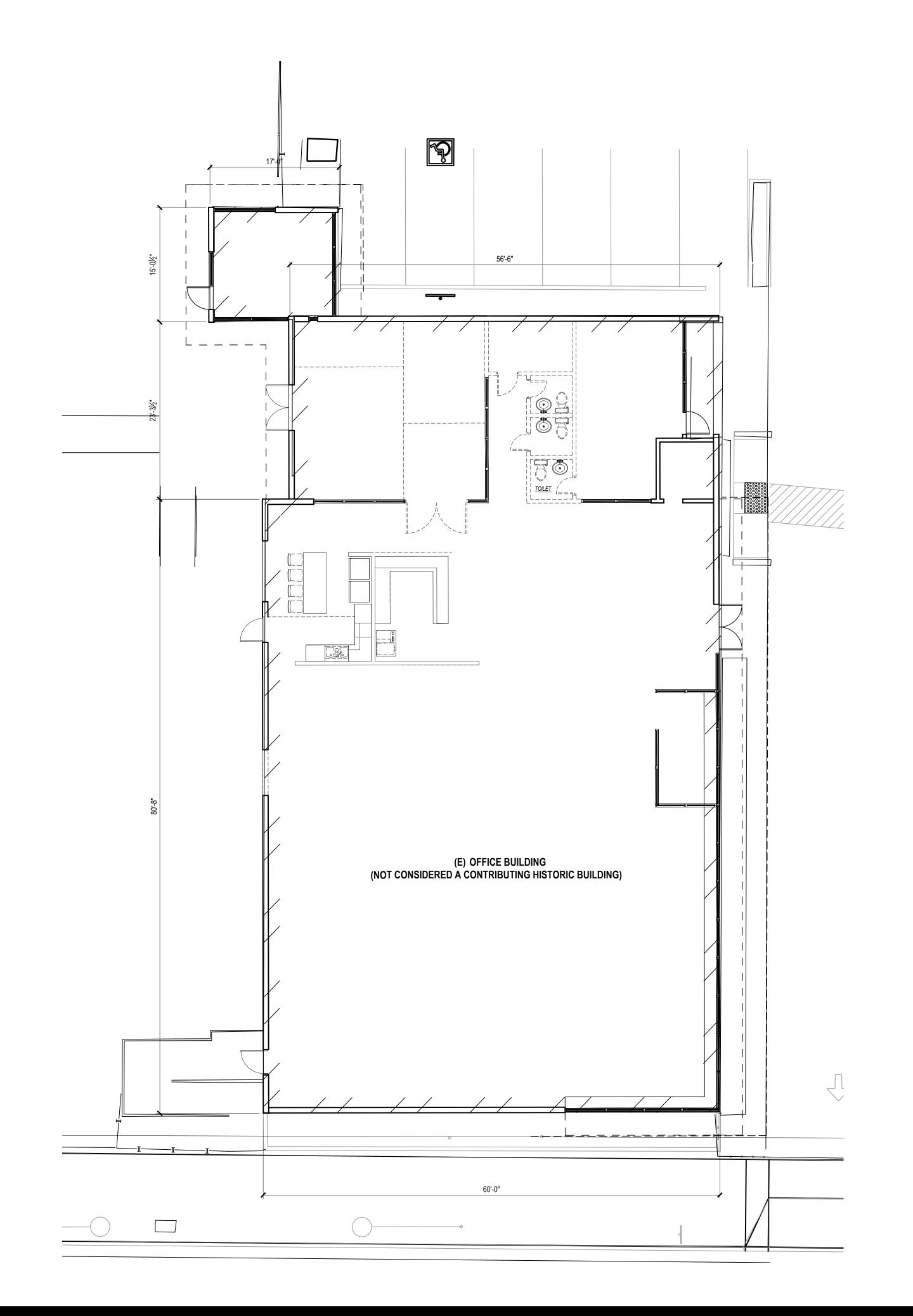


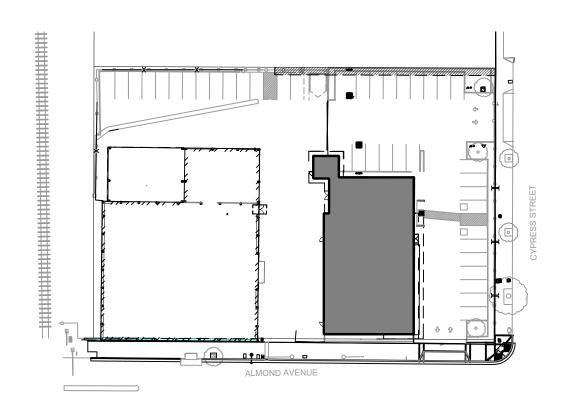
31 EXISTING TELECOM RISER DEMO PORTION OF EXISTING FENCE
- SEE PROPOSED PLAN FOR LIMITS

30 EXISTING TRAIN TRACKS

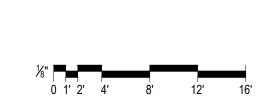
EXISTING OPERABLE GATE TO BE DEMOLISHED

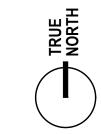
EXISTING STOP BAR TO BE REMOVED-SEE CIVIL





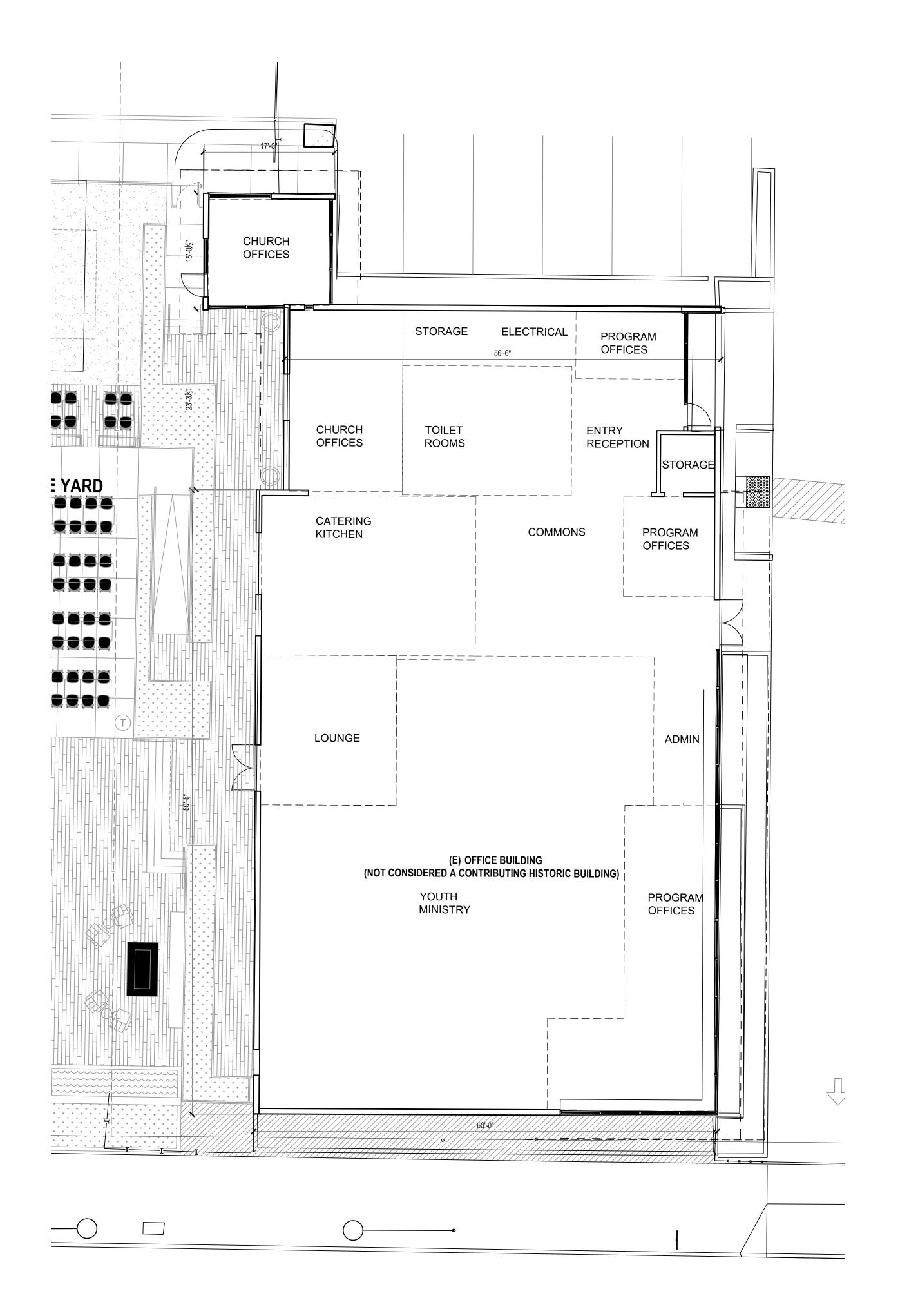
NO MAJOR EXTERIOR CHANGES TO THIS BUILDING, SCOPE LIMITED TO INTERIOR TO BE PROVIDED AT A LATER DATE.

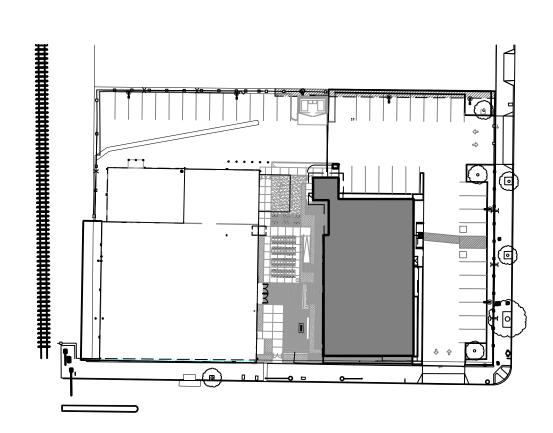






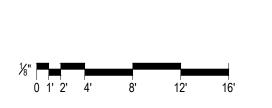


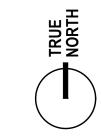




NO MAJOR EXTERIOR CHANGES TO THIS BUILDING, SCOPE LIMITED TO INTERIOR TO BE PROVIDED AT A LATER DATE.

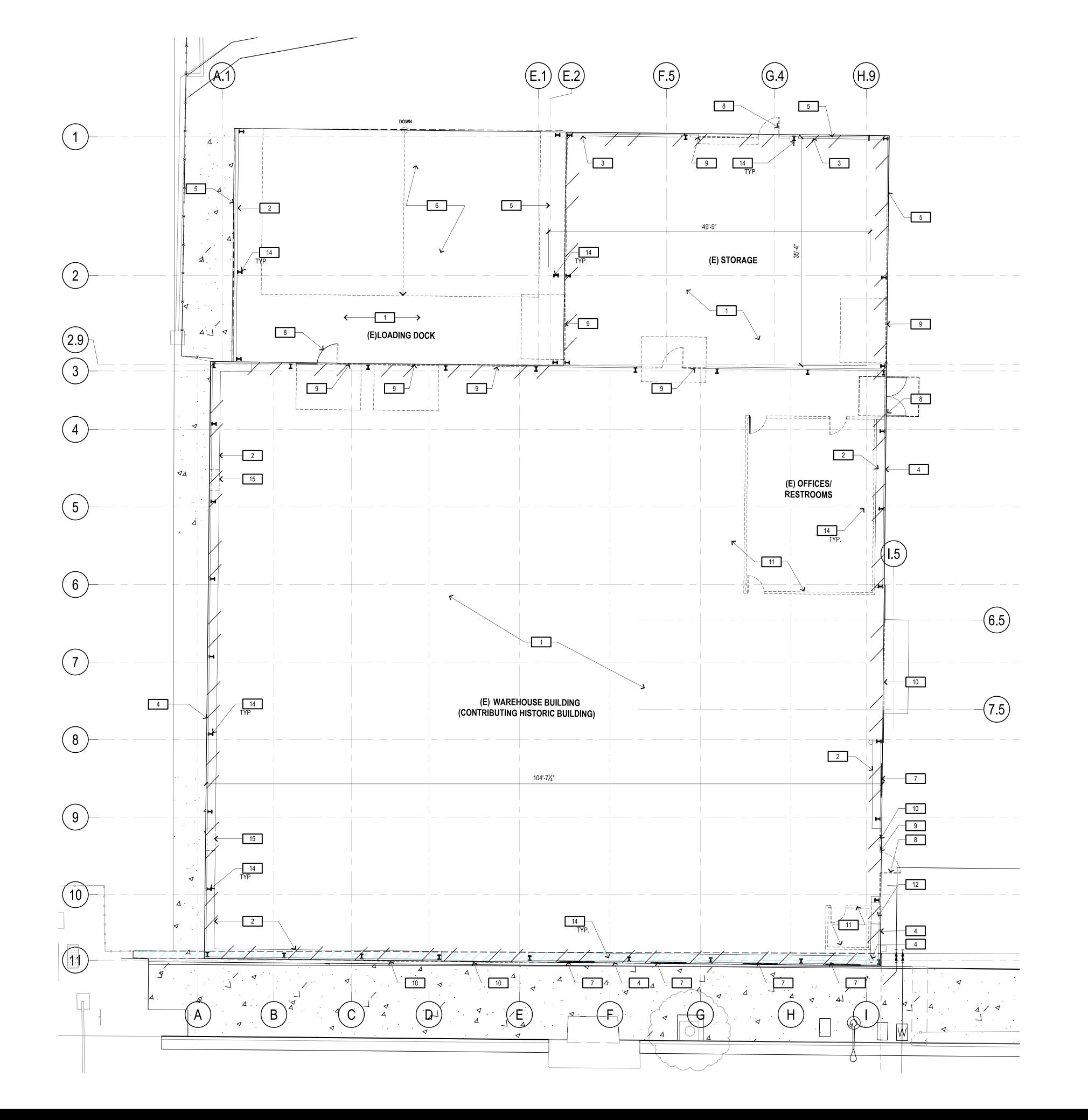
THIS IS A CONCEPT/PROELIMINATY LAYOUT OF USE TO DETERMINE OCCUPANCY AND PARKING DEMANDS.

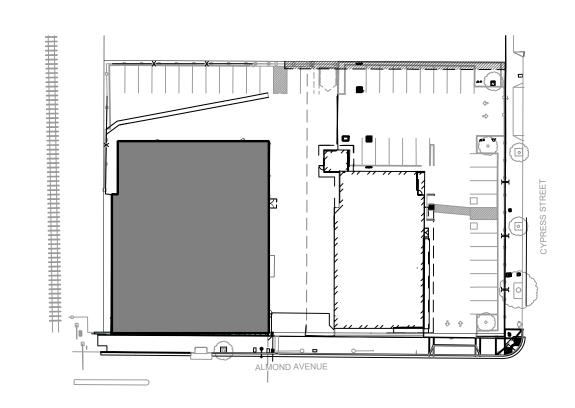






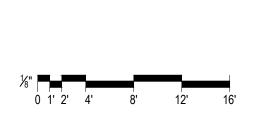


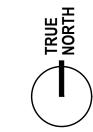




KEYNOTES

- 1 CONCRETE BUILDING SLAB
- 2 CONCRETE PERIMETER CURB
- 3 CMU BUILDING STEM WALL
- 4 PAINTED CORRUGATED METAL PANEL EXTERIOR CLADDING
- 5 PAINTED RIBBED METAL PANEL EXTERIOR CLADDING
- 6 LOADING DOCK TO BE PRESERVED IN PLACE
- 7 FIXED WINDOW TO BE PRESERVED IN PLACE
- 8 METAL DOOR TO BE REMOVED
- 9 OVERHEAD DOOR TO BE REMOVED, PROTECT FOR RE-USE
- 10 ROLLING DOOR TO REMAIN (FIXED IN PLACE)
- 11 INTERIOR DEMOLITION
- ELECTRICAL PANEL ALL ELECTRICAL GEAR TO BE RECONFIGURED IN NEW ELECTRICAL ROOM
- 13 FIRE RISER
- 14 STEEL COLUMN (TYP.)
- REMOVE PORTION OF WALL AND CURB FOR NEW EGRESS-SEE PROPOSED PLAN

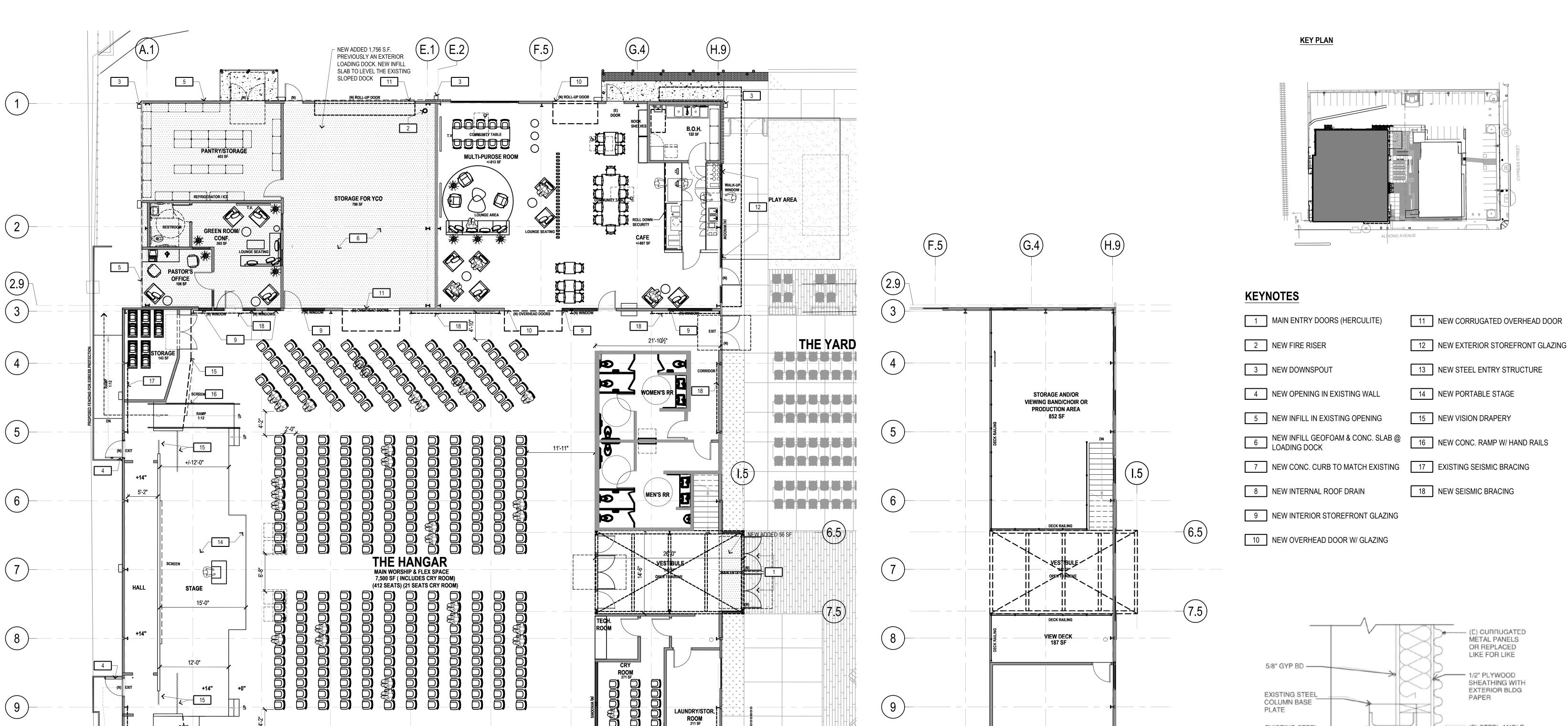










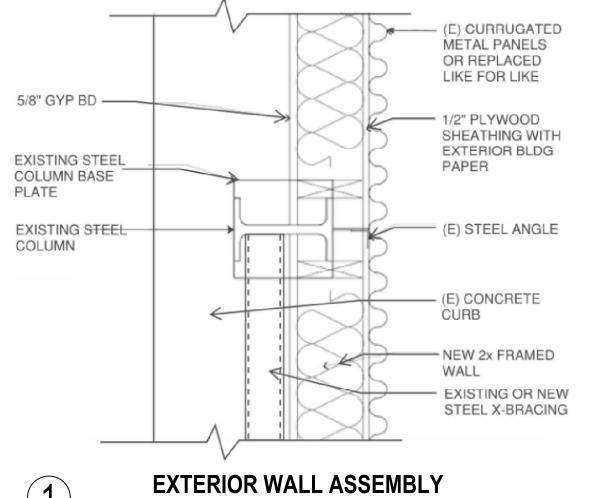


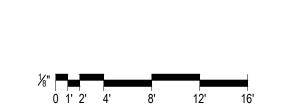
(CI)(CI) (CI)(CI)

STORAGE 163 SF

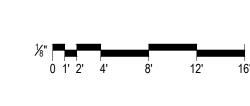
G

18 17









(10)

HVAC MECHANICAL

MEZZANINE LEVEL

(10)

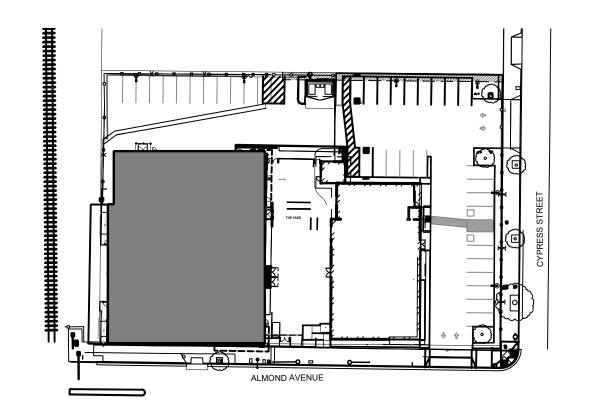
 $\left(\mathsf{G}\right)$

Job No. 2023-0553 Date: 2025-10-17

(D)

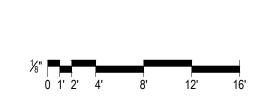
(B)

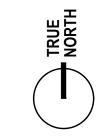
C



KEYNOTES

- EXISTING STEEL BARREL VAULT TRUSSES TO BE EXPOSED
- ACOUSTIC SOUND BOARD OVER UNDERSIDE OF DECK
- EXISTING STEEL SEISMIC BRACING TO BE EXPOSED
- 4 24"X48" ACOUSTIC CEILING TILES
- NEW PARTITION RAIL FOR ROOM DIVIDER SUPPORT
- 6 NEW EXPOSED MECHANICAL DUCTING
- 7 NEW HIGHBAY LIGHTING
- 8 NEW WOOD AND STEEL DECORATIVE
- 9 EXPOSED EXISTING METAL TRUSSES WHERE ALLOWED BY HEALTH CODE
- 10 SIDE THROW DUCTING
- 11 DOWNLIGHT

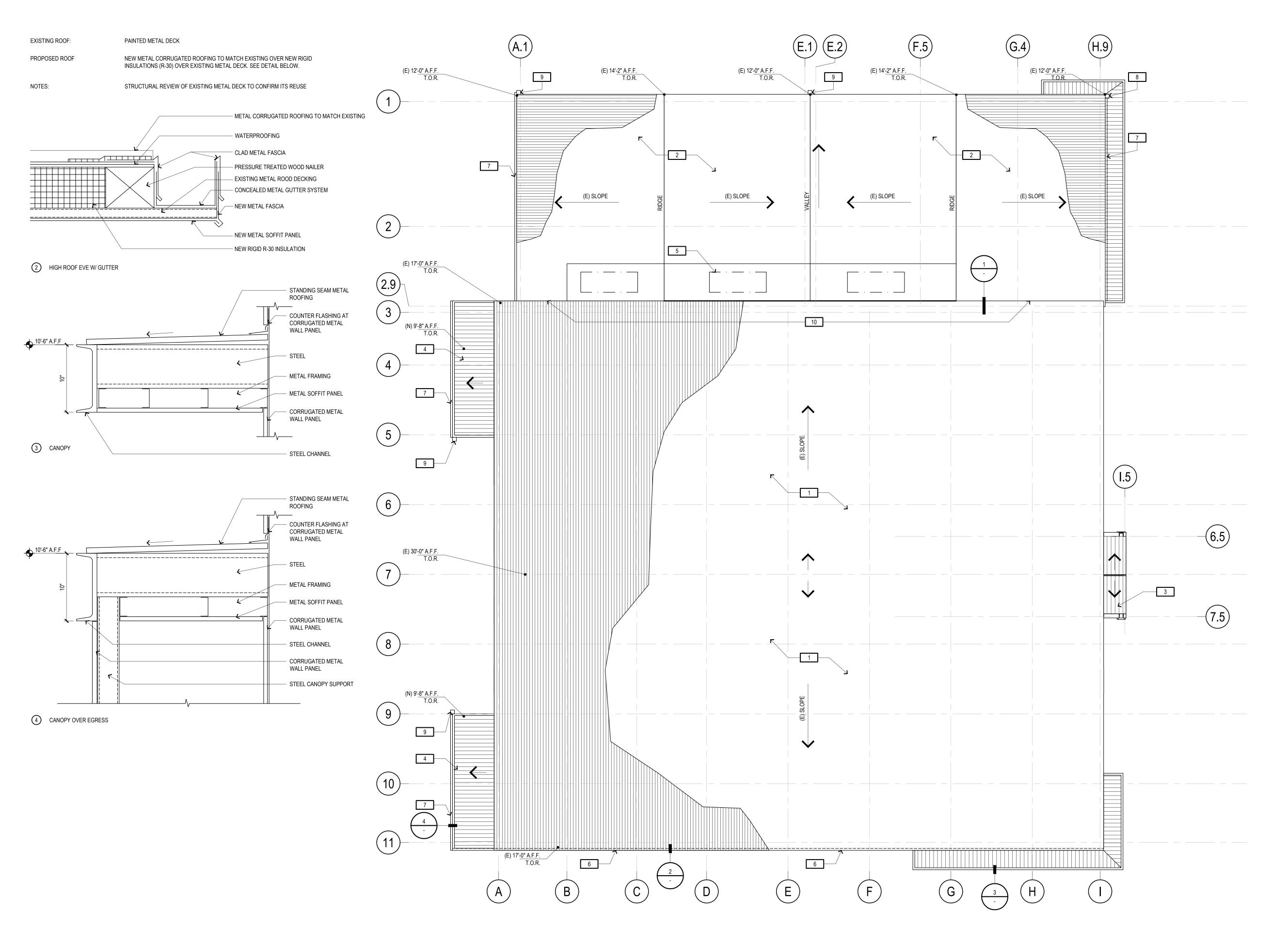




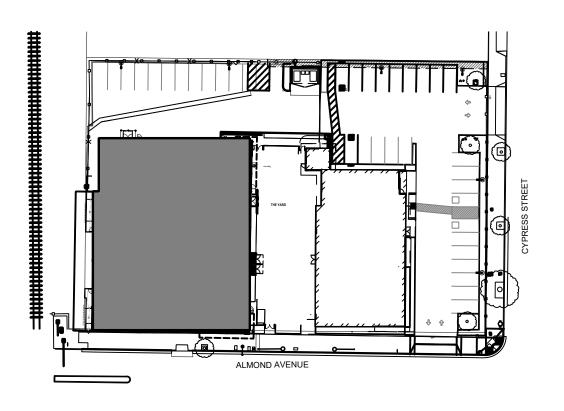




FRIENDS CHURCH - THE HANGAR







KEYNOTES

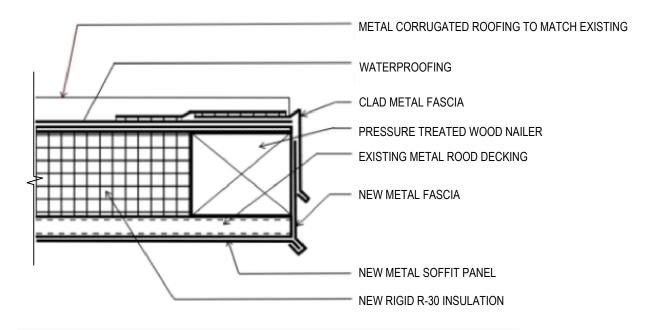
- NEW HIGH ROOF ROOFING SYSTEM OVER CURRENT OR REPLACED CORRUGATED METAL PANEL SYSTEM WITH CONTINUOUS INSULATION PER T-24 REQUIREMENTS.
- NEW LOW ROOF ROOFING SYSTEM OVER CURRENT OR REPLACED CORRUGATED METAL PANEL SYSTEM WITH CONTINUOUS INSULATION PER T-24 REQUIREMENTS.
- 3 NEW STANDING SEAM ROOFING OVER NEW ENTRY
- 4 NEW STANDING SEAM COVER OVER EXTERIOR EMERGENCY EGRESS AREAS
- 5 NEW MECHANICAL PLATFORM AND HVAC WITH SIDEWALL DUCTING
- 6 CONCEALED GUTTER SYSTEM W/ INTERNAL ROOF DRAIN TIED TO SD- SEE CIVIL
- 7 GUTTER (PAINTED SEE ELEVATIONS)
- 8 EXTERIOR DOWNSPOUTS TIED TO SD SYSTEM
- 9 EXTERIOR COLLECTOR/OVERFLOW AND DOWNSPOUT-SPILL TO GRADE
- 10 DRAINAGE FROM HIGH TO LOW ROOF

ROOF ASSEMBLY

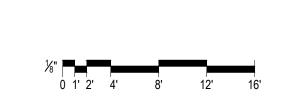
EXISTING ROOF: PAINTED METAL DECK

NEW METAL CORRUGATED ROOFING TO MATCH EXISTING OVER NEW RIGID PROPOSED ROOF

NOTES: STRUCTURAL REVIEW OF EXISTING METAL DECK TO CONFIRM ITS REUSE

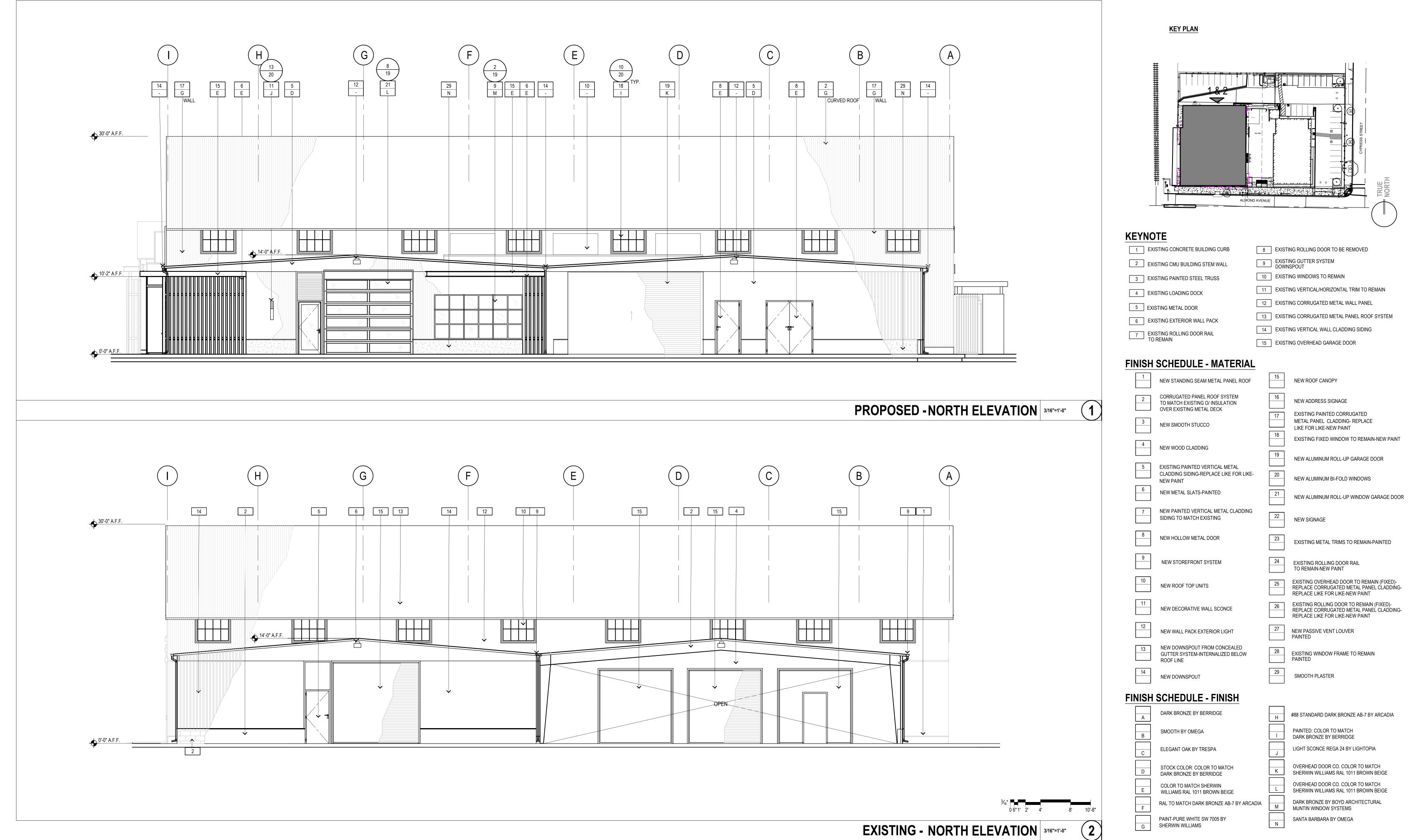


1 HIGH ROOF EVE

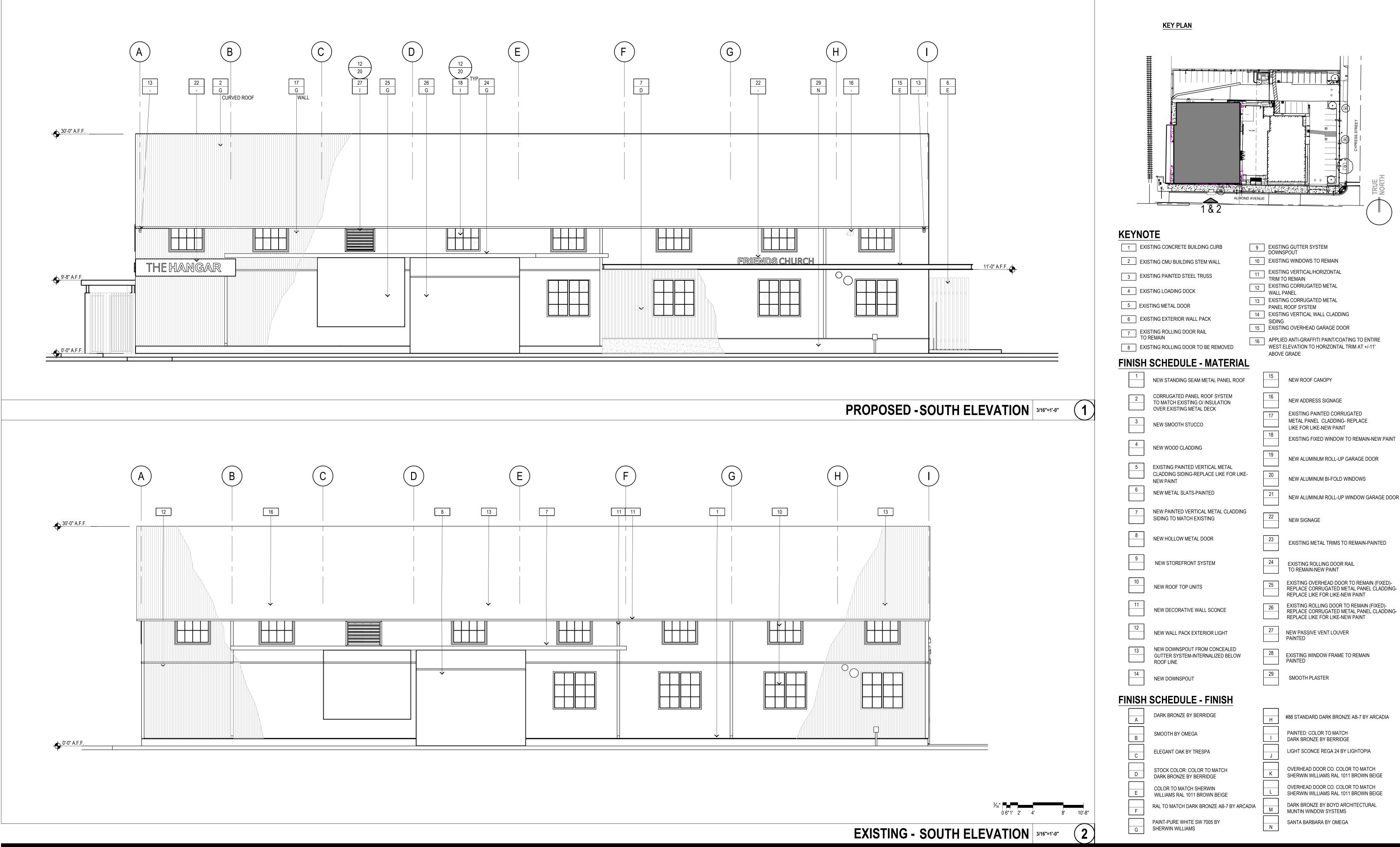


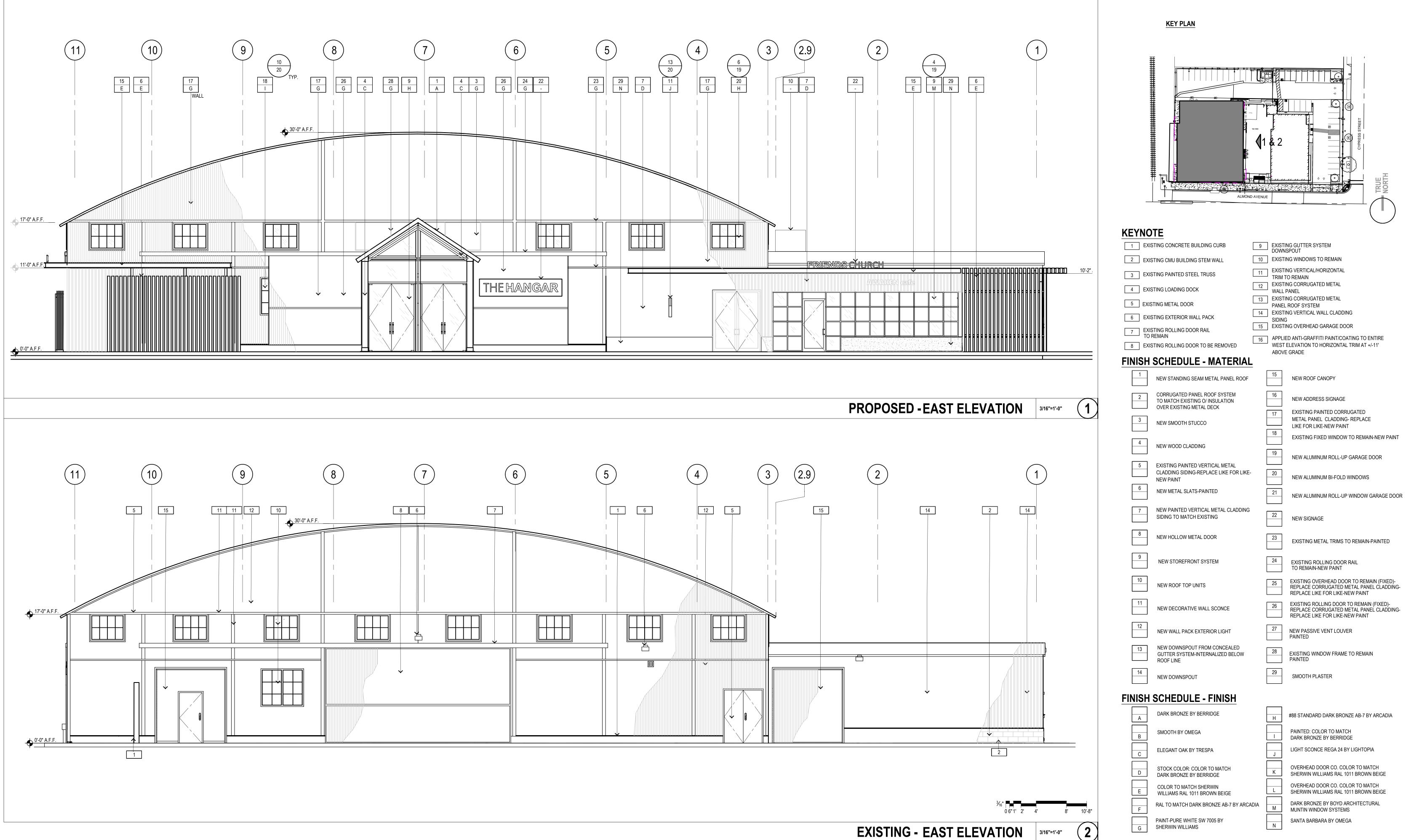




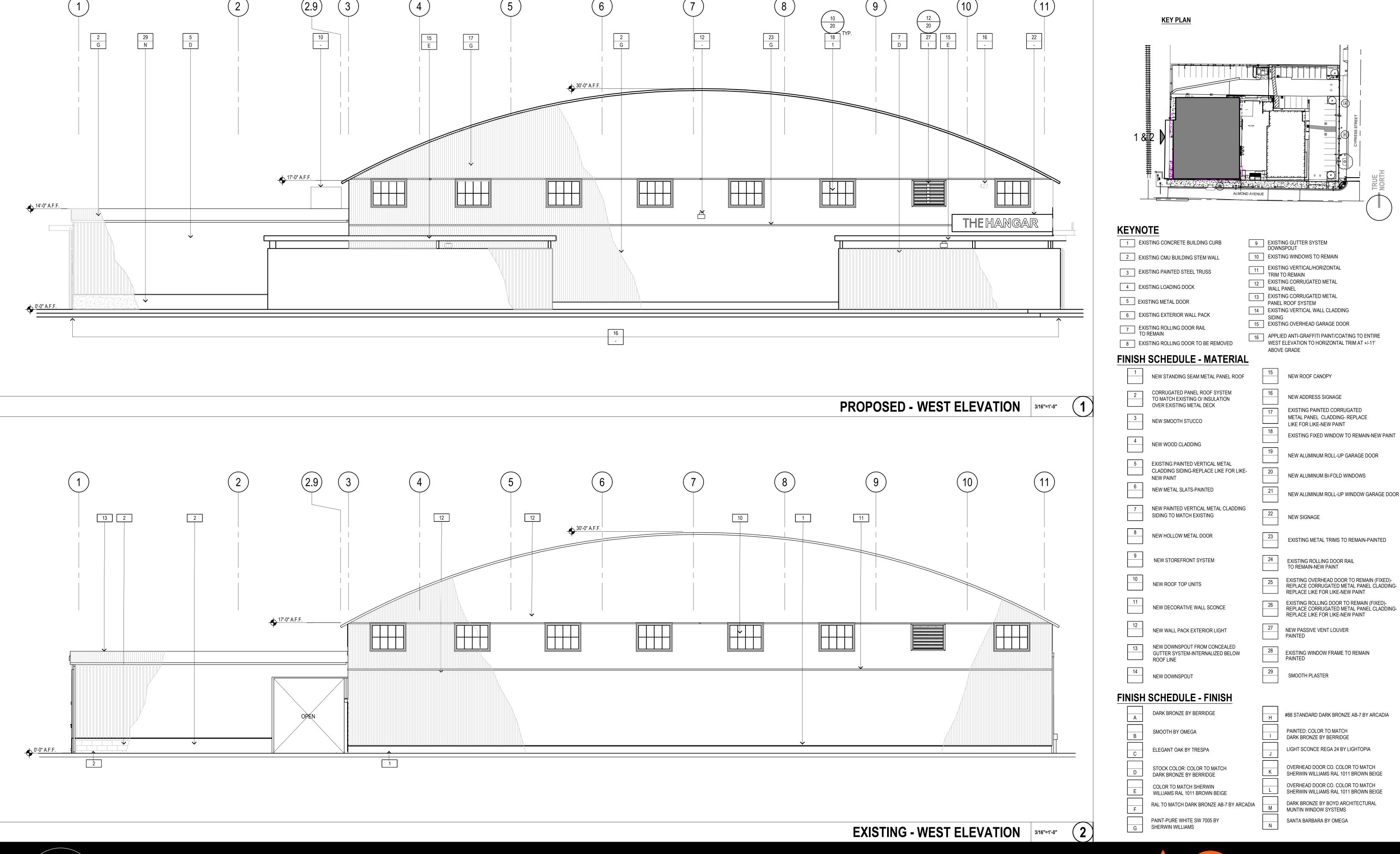


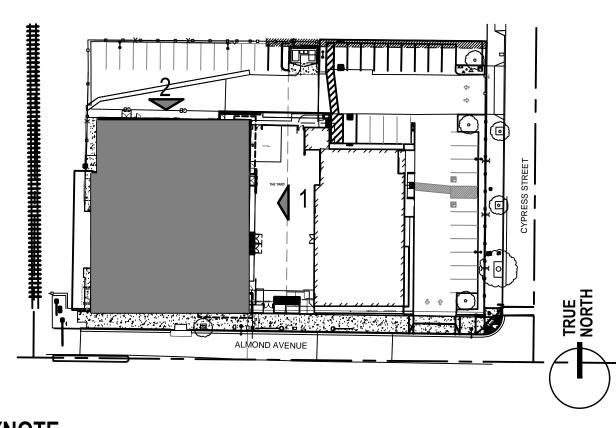












KEYNOTE

- 1 EXISTING CONCRETE BUILDING CURB 9 EXISTING GUTTER SYSTEM DOWNSPOUT 10 EXISTING WINDOWS TO REMAIN 2 EXISTING CMU BUILDING STEM WALL
- EXISTING VERTICAL/HORIZONTAL TRIM TO REMAIN 3 EXISTING PAINTED STEEL TRUSS 12 EXISTING CORRUGATED METAL WALL PANEL
- 4 EXISTING LOADING DOCK 13 EXISTING CORRUGATED METAL 5 EXISTING METAL DOOR
- PANEL ROOF SYSTEM 14 EXISTING VERTICAL WALL CLADDING 6 EXISTING EXTERIOR WALL PACK 15 EXISTING OVERHEAD GARAGE DOOR
- 7 EXISTING ROLLING DOOR RAIL TO REMAIN APPLIED ANTI-GRAFFITI PAINT/COATING TO ENTIRE WEST ELEVATION TO HORIZONTAL TRIM AT +/-11' 8 EXISTING ROLLING DOOR TO BE REMOVED ABOVE GRADE

FINISH SCHEDULE - MATERIAL NEW STANDING SEAM METAL PANEL ROOF

- CORRUGATED PANEL ROOF SYSTEM NEW ADDRESS SIGNAGE TO MATCH EXISTING O/ INSULATION OVER EXISTING METAL DECK EXISTING PAINTED CORRUGATED METAL PANEL CLADDING- REPLACE NEW SMOOTH STUCCO LIKE FOR LIKE-NEW PAINT
- NEW WOOD CLADDING EXISTING PAINTED VERTICAL METAL
- CLADDING SIDING-REPLACE LIKE FOR LIKE-

NEW METAL SLATS-PAINTED

- NEW PAINTED VERTICAL METAL CLADDING SIDING TO MATCH EXISTING
- NEW HOLLOW METAL DOOR
 - NEW STOREFRONT SYSTEM
 - NEW ROOF TOP UNITS NEW DECORATIVE WALL SCONCE
 - NEW WALL PACK EXTERIOR LIGHT

NEW DOWNSPOUT FROM CONCEALED

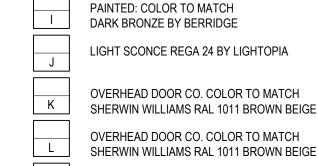
GUTTER SYSTEM-INTERNALIZED BELOW ROOF LINE NEW DOWNSPOUT

FINISH SCHEDULE - FINISH

- SMOOTH BY OMEGA
- ELEGANT OAK BY TRESPA STOCK COLOR: COLOR TO MATCH DARK BRONZE BY BERRIDGE
- COLOR TO MATCH SHERWIN WILLIAMS RAL 1011 BROWN BEIGE

DARK BRONZE BY BERRIDGE

DARK BRONZE BY BOYD ARCHITECTURAL



NEW ROOF CANOPY

EXISTING FIXED WINDOW TO REMAIN-NEW PAINT

NEW ALUMINUM ROLL-UP WINDOW GARAGE DOOR

EXISTING METAL TRIMS TO REMAIN-PAINTED

EXISTING OVERHEAD DOOR TO REMAIN (FIXED)-

REPLACE CORRUGATED METAL PANEL CLADDING-REPLACE LIKE FOR LIKE-NEW PAINT

EXISTING ROLLING DOOR TO REMAIN (FIXED)-REPLACE CORRUGATED METAL PANEL CLADDING-

EXISTING ROLLING DOOR RAIL TO REMAIN-NEW PAINT

REPLACE LIKE FOR LIKE-NEW PAINT

EXISTING WINDOW FRAME TO REMAIN

#88 STANDARD DARK BRONZE AB-7 BY ARCADIA

NEW PASSIVE VENT LOUVER

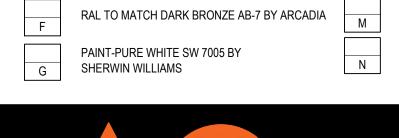
SMOOTH PLASTER

NEW ALUMINUM ROLL-UP GARAGE DOOR

NEW ALUMINUM BI-FOLD WINDOWS

NEW SIGNAGE

MUNTIN WINDOW SYSTEMS SANTA BARBARA BY OMEGA





15 6 E

FRIENDS CHORC

 8
 12
 5
 8
 2
 17
 29
 14

 E
 D
 E
 G
 N

 CURVED ROOF
 WALL

HUB.

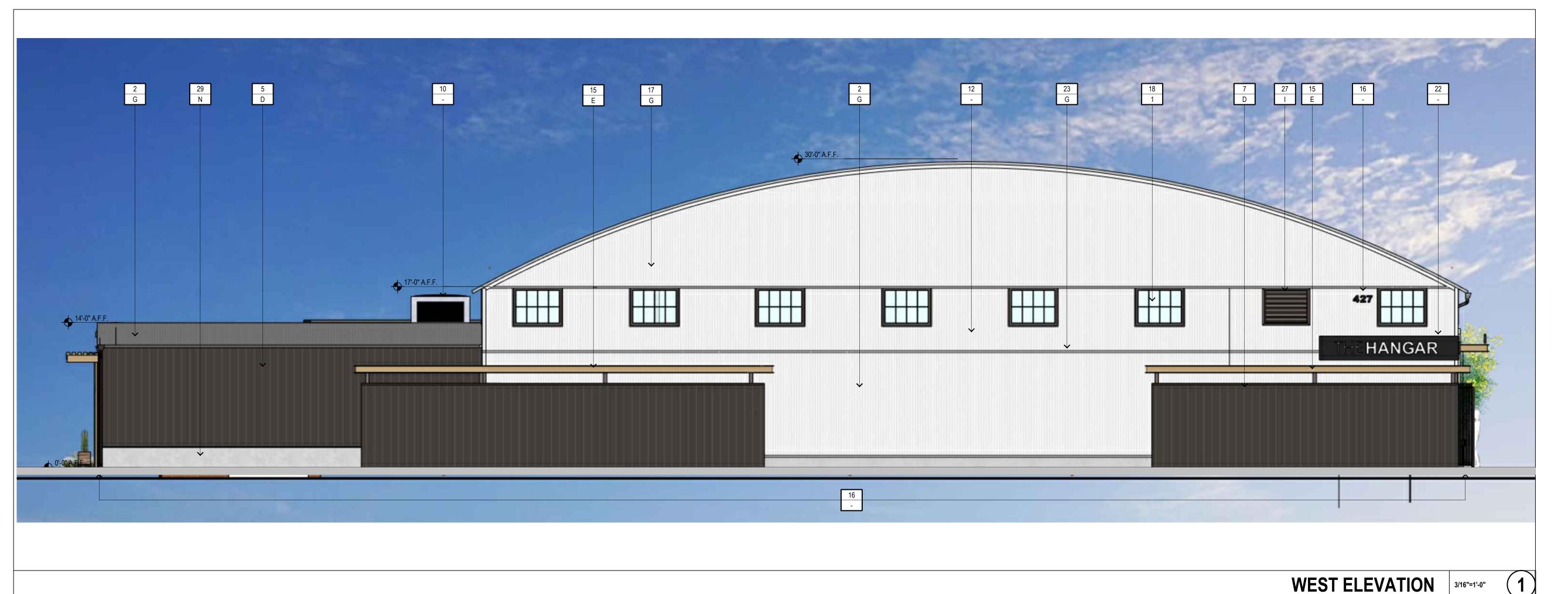
EAST ELEVATION

3/16"=1'-0"

HANGAR

NORTH ELEVATION 3/16"=1'-0"

FRIENDSCHURCH - THE HANGAR



29 16 15 13 6 E ★ 30'-0" A.F.F. FRIENDS CHURCH **HANGAR** → 9'-8" A.F.F. ▲ 0'-0" A.F.F.

SOUTH ELEVATION 3/16"=1'-0"



www.aoarchitects.com

KEYNOTE 1 EXISTING CONCRETE BUILDING CURB

KEY PLAN

- 2 EXISTING CMU BUILDING STEM WALL
- 3 EXISTING PAINTED STEEL TRUSS
- 4 EXISTING LOADING DOCK
- 5 EXISTING METAL DOOR
- 6 EXISTING EXTERIOR WALL PACK 7 EXISTING ROLLING DOOR RAIL TO REMAIN
- 8 EXISTING ROLLING DOOR TO BE REMOVED
- APPLIED ANTI-GRAFFITI PAINT/COATING TO ENTIRE
 WEST ELEVATION TO HORIZONTAL TRIM AT ±/-11' WEST ELEVATION TO HORIZONTAL TRIM AT +/-11' ABOVE GRADE

9 EXISTING GUTTER SYSTEM DOWNSPOUT

10 EXISTING WINDOWS TO REMAIN

11 EXISTING VERTICAL/HORIZONTAL TRIM TO REMAIN

12 EXISTING CORRUGATED METAL WALL PANEL

13 EXISTING CORRUGATED METAL

PANEL ROOF SYSTEM 14 EXISTING VERTICAL WALL CLADDING

15 EXISTING OVERHEAD GARAGE DOOR

NEW ROOF CANOPY

NEW ADDRESS SIGNAGE

LIKE FOR LIKE-NEW PAINT

EXISTING PAINTED CORRUGATED METAL PANEL CLADDING- REPLACE

EXISTING FIXED WINDOW TO REMAIN-NEW PAINT

NEW ALUMINUM ROLL-UP WINDOW GARAGE DOOR

EXISTING METAL TRIMS TO REMAIN-PAINTED

EXISTING OVERHEAD DOOR TO REMAIN (FIXED)-

REPLACE CORRUGATED METAL PANEL CLADDING-

EXISTING ROLLING DOOR TO REMAIN (FIXED)-REPLACE CORRUGATED METAL PANEL CLADDING-

EXISTING ROLLING DOOR RAIL TO REMAIN-NEW PAINT

REPLACE LIKE FOR LIKE-NEW PAINT

EXISTING WINDOW FRAME TO REMAIN PAINTED

NEW PASSIVE VENT LOUVER

PAINTED

NEW ALUMINUM ROLL-UP GARAGE DOOR

NEW ALUMINUM BI-FOLD WINDOWS

NEW SIGNAGE

FINISH SCHEDULE - MATERIAL

- NEW STANDING SEAM METAL PANEL ROOF CORRUGATED PANEL ROOF SYSTEM TO MATCH EXISTING O/ INSULATION
- OVER EXISTING METAL DECK NEW SMOOTH STUCCO
- NEW WOOD CLADDING
- EXISTING PAINTED VERTICAL METAL
- CLADDING SIDING-REPLACE LIKE FOR LIKE-
- NEW METAL SLATS-PAINTED NEW PAINTED VERTICAL METAL CLADDING
- SIDING TO MATCH EXISTING
- NEW HOLLOW METAL DOOR
- NEW STOREFRONT SYSTEM
- NEW ROOF TOP UNITS
- NEW DECORATIVE WALL SCONCE
- NEW WALL PACK EXTERIOR LIGHT
- NEW DOWNSPOUT FROM CONCEALED GUTTER SYSTEM-INTERNALIZED BELOW

NEW DOWNSPOUT

- **FINISH SCHEDULE FINISH**
- DARK BRONZE BY BERRIDGE
- SMOOTH BY OMEGA ELEGANT OAK BY TRESPA
- STOCK COLOR: COLOR TO MATCH DARK BRONZE BY BERRIDGE
- COLOR TO MATCH SHERWIN WILLIAMS RAL 1011 BROWN BEIGE RAL TO MATCH DARK BRONZE AB-7 BY ARCADIA
- PAINT-PURE WHITE SW 7005 BY SHERWIN WILLIAMS
- #88 STANDARD DARK BRONZE AB-7 BY ARCADIA PAINTED: COLOR TO MATCH DARK BRONZE BY BERRIDGE

SMOOTH PLASTER

- LIGHT SCONCE REGA 24 BY LIGHTOPIA
- OVERHEAD DOOR CO. COLOR TO MATCH SHERWIN WILLIAMS RAL 1011 BROWN BEIGE OVERHEAD DOOR CO. COLOR TO MATCH
- DARK BRONZE BY BOYD ARCHITECTURAL MUNTIN WINDOW SYSTEMS

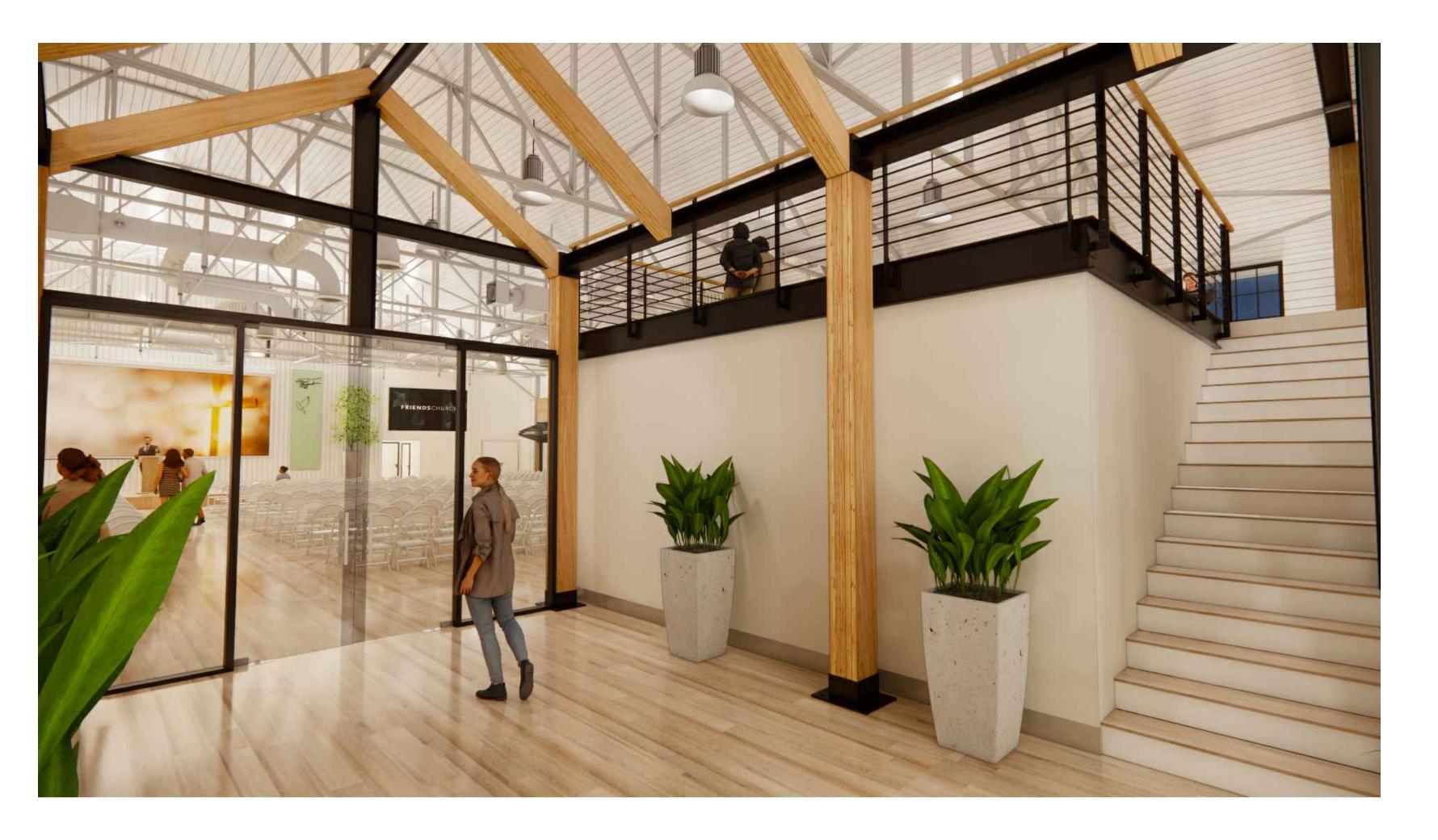


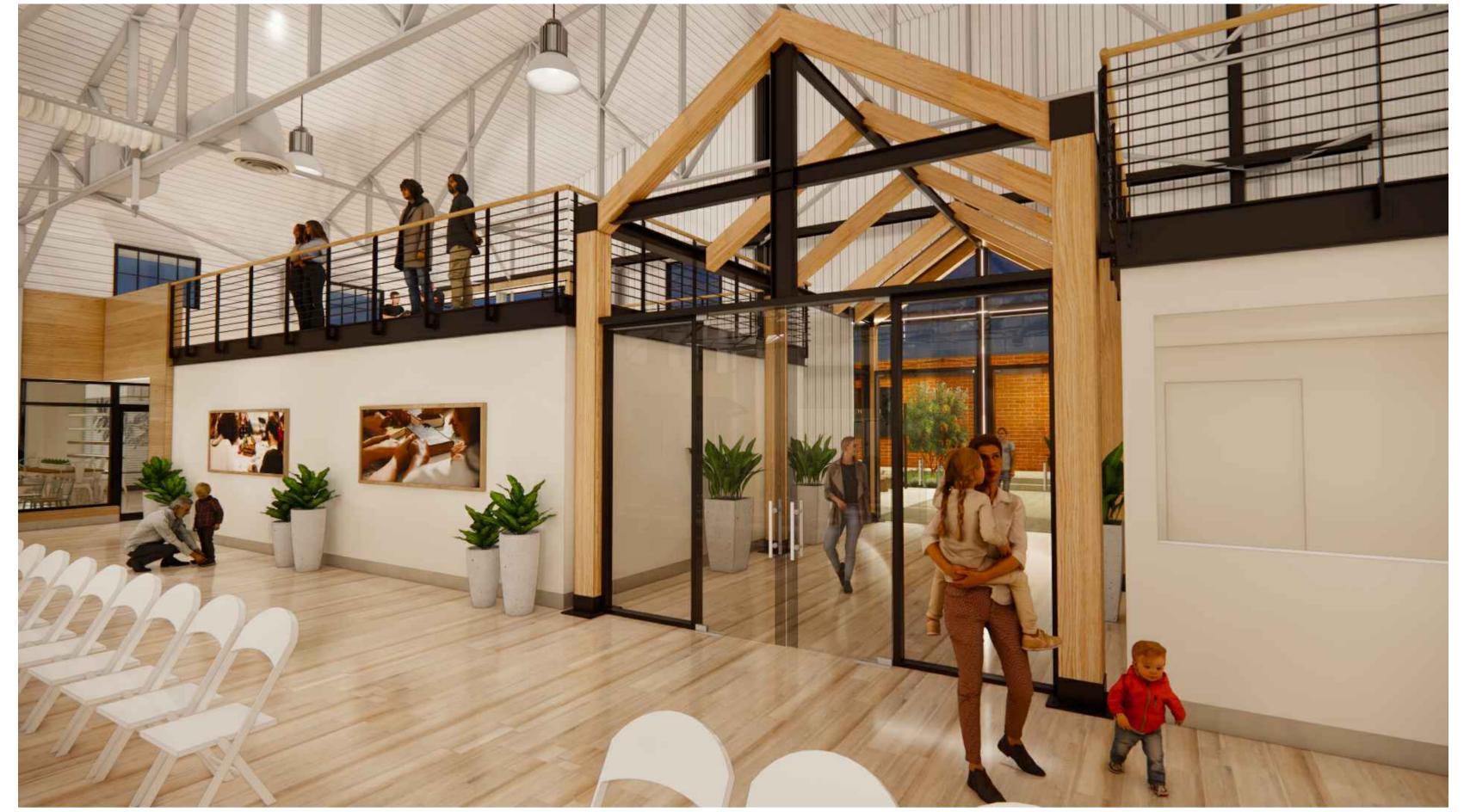


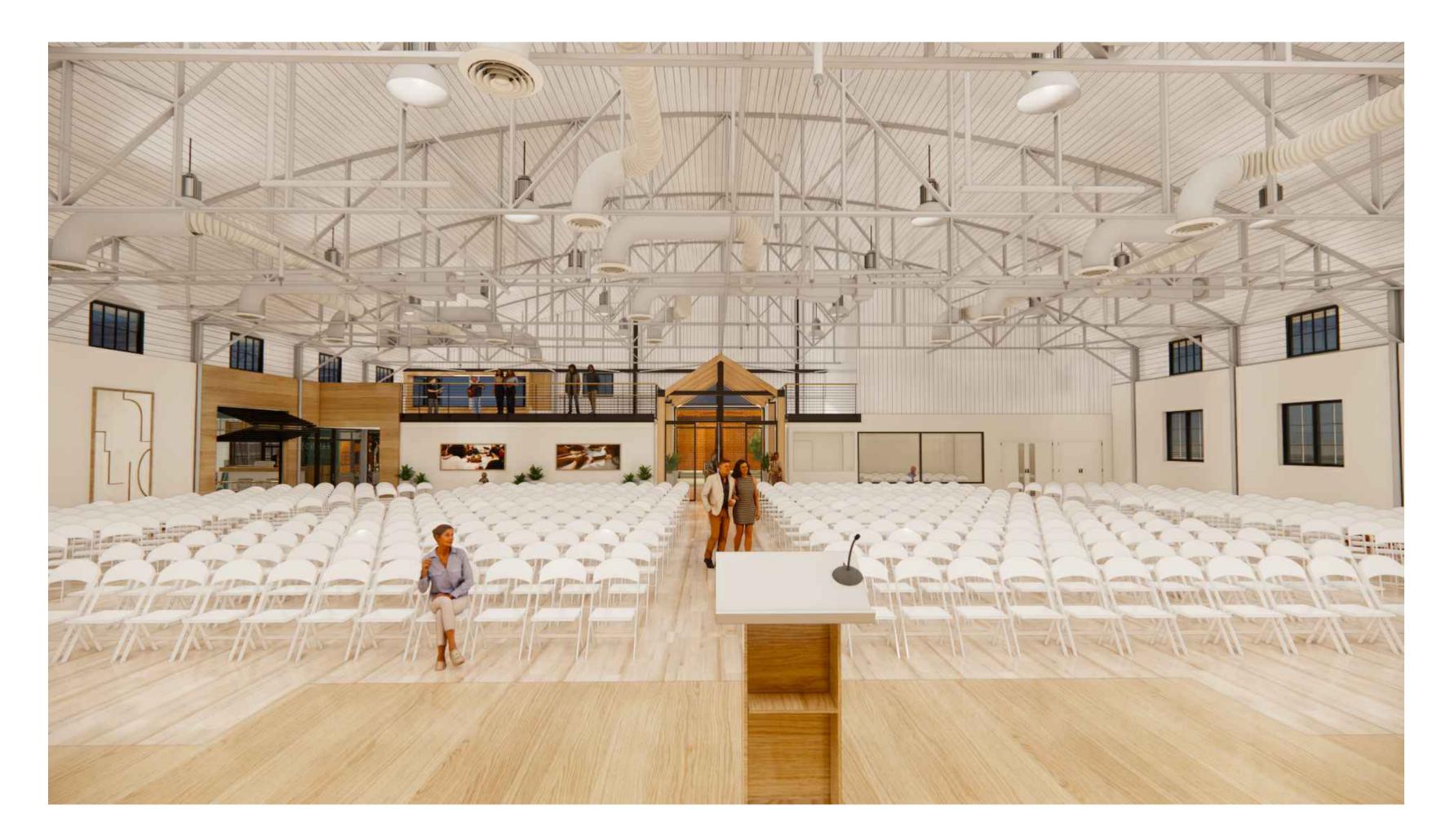
WEST BUILDING EXTERIOR RENDERINGS

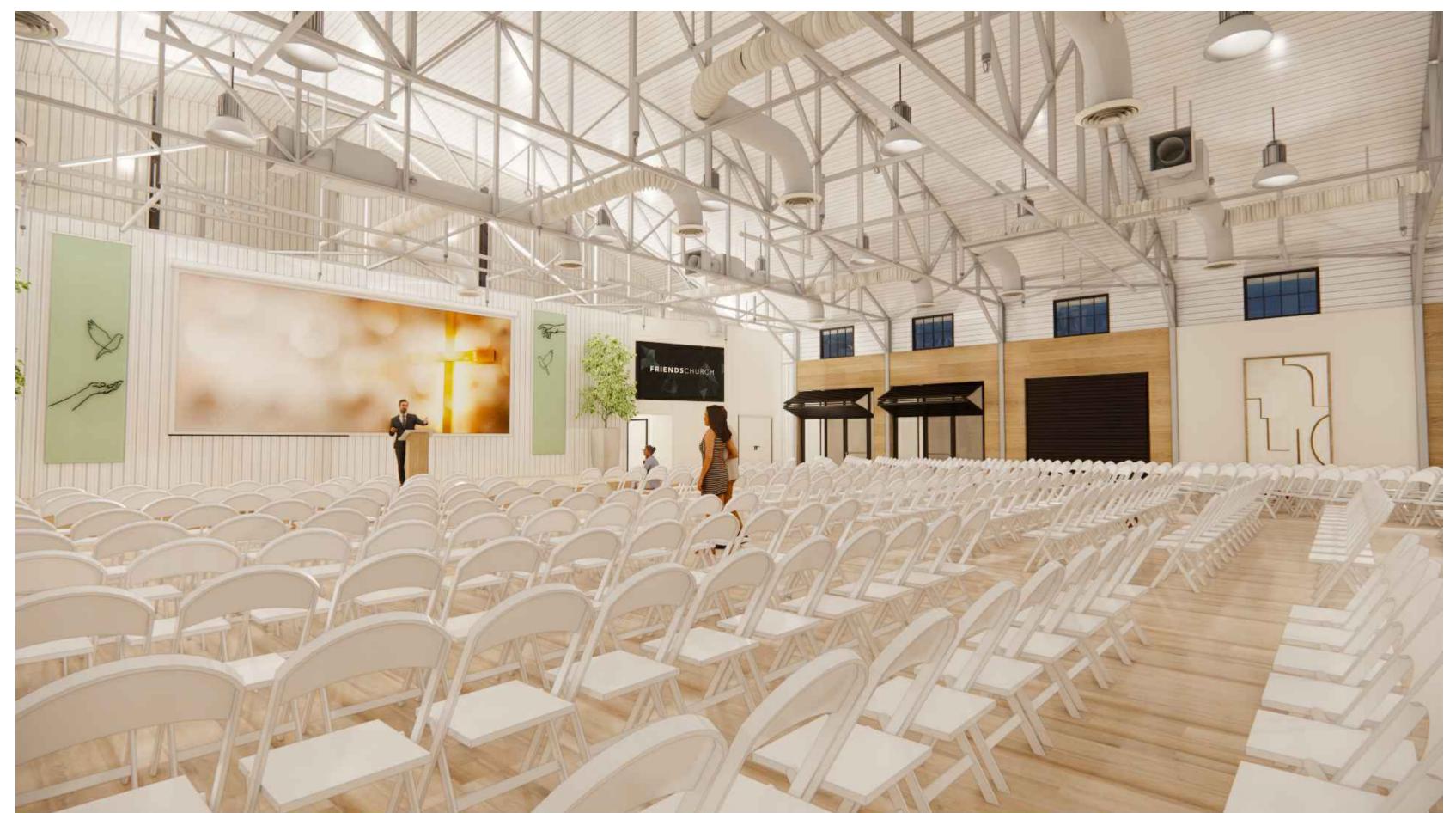


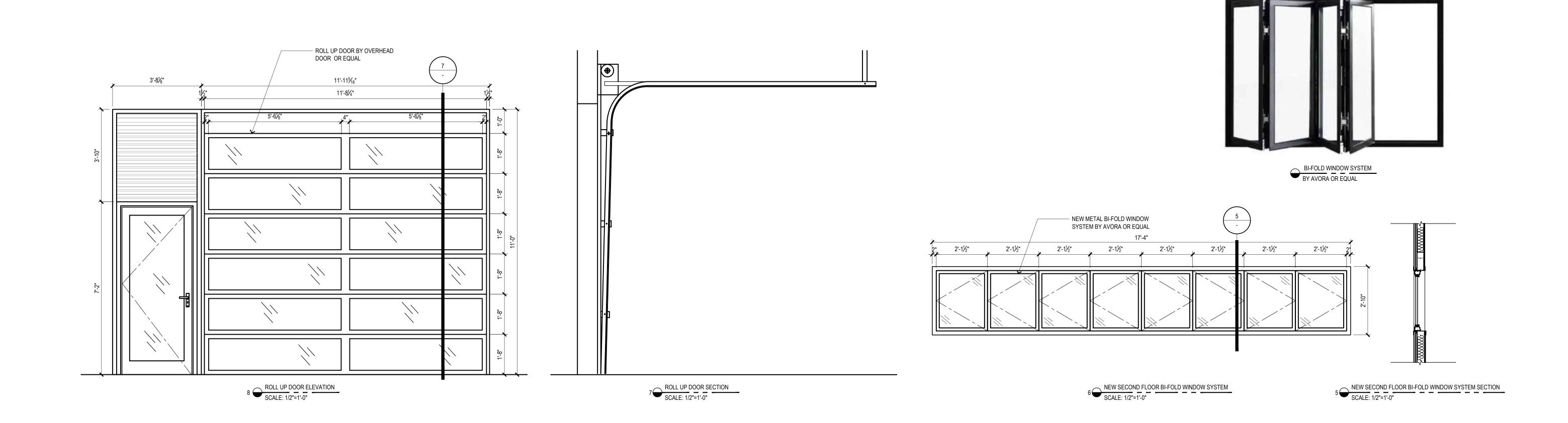


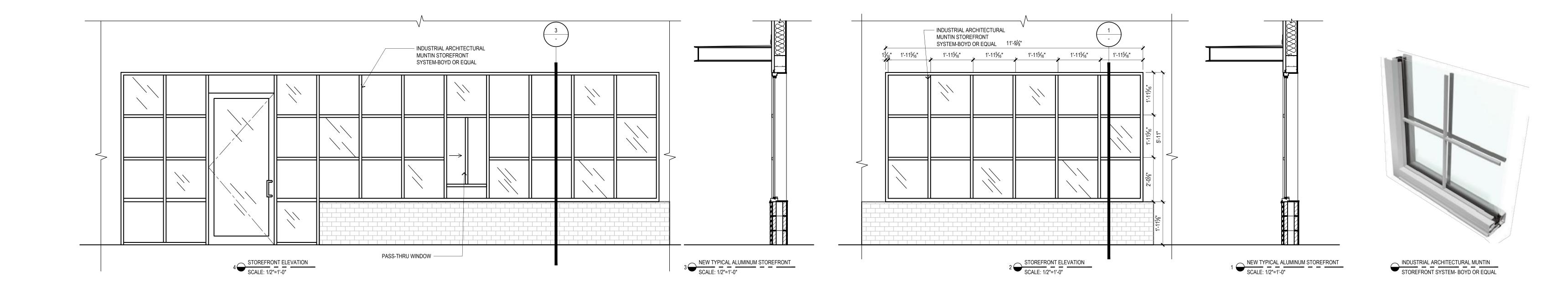


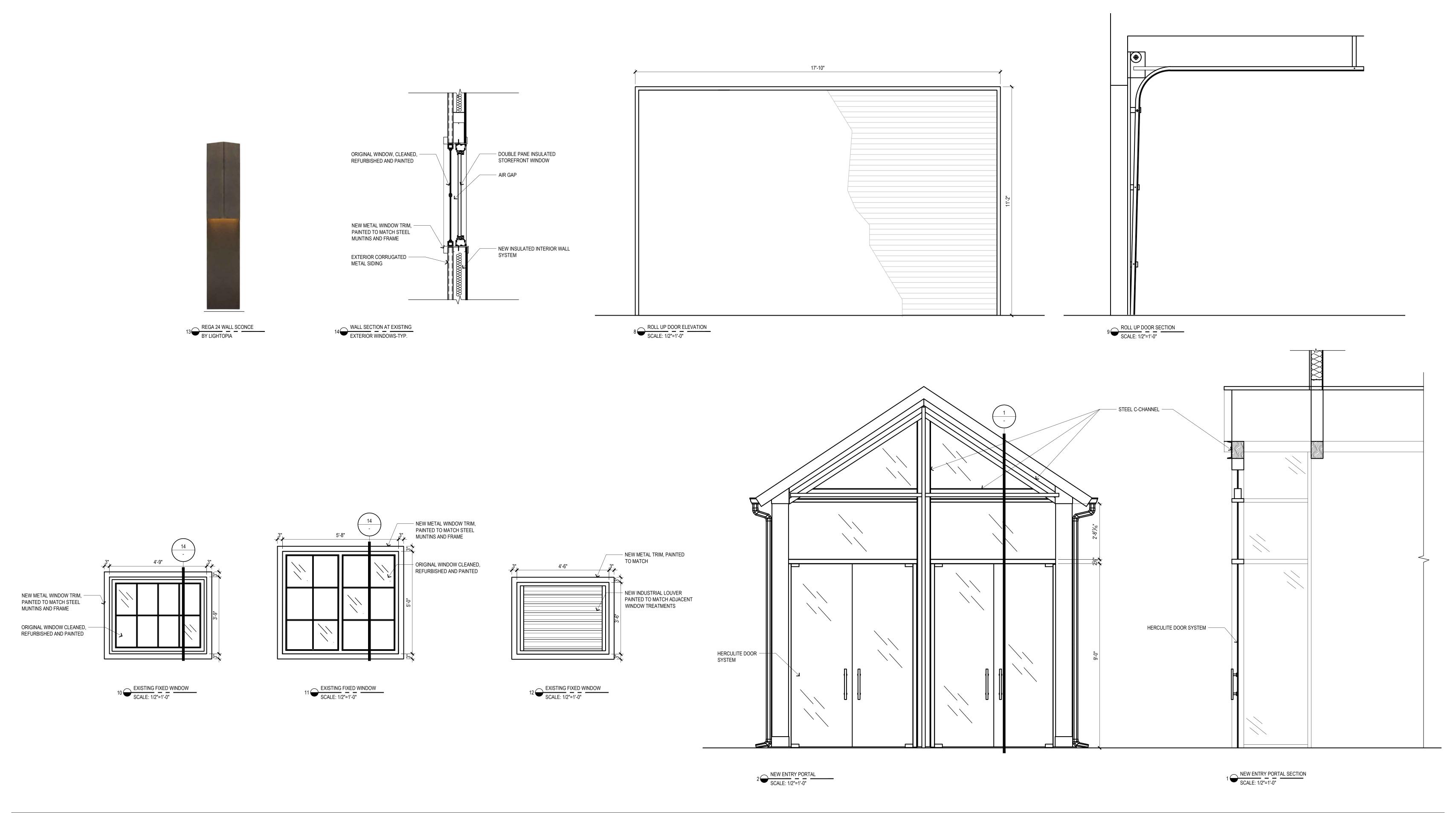








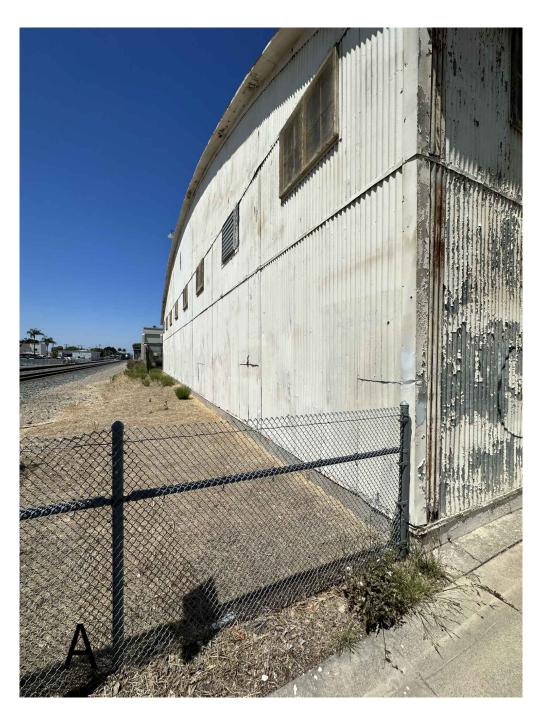




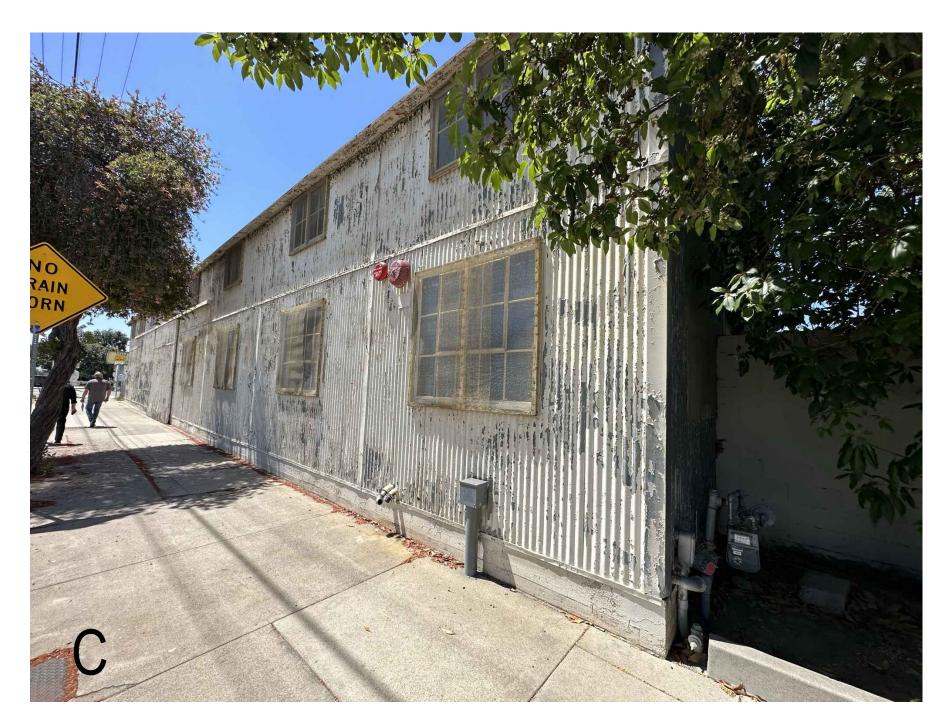


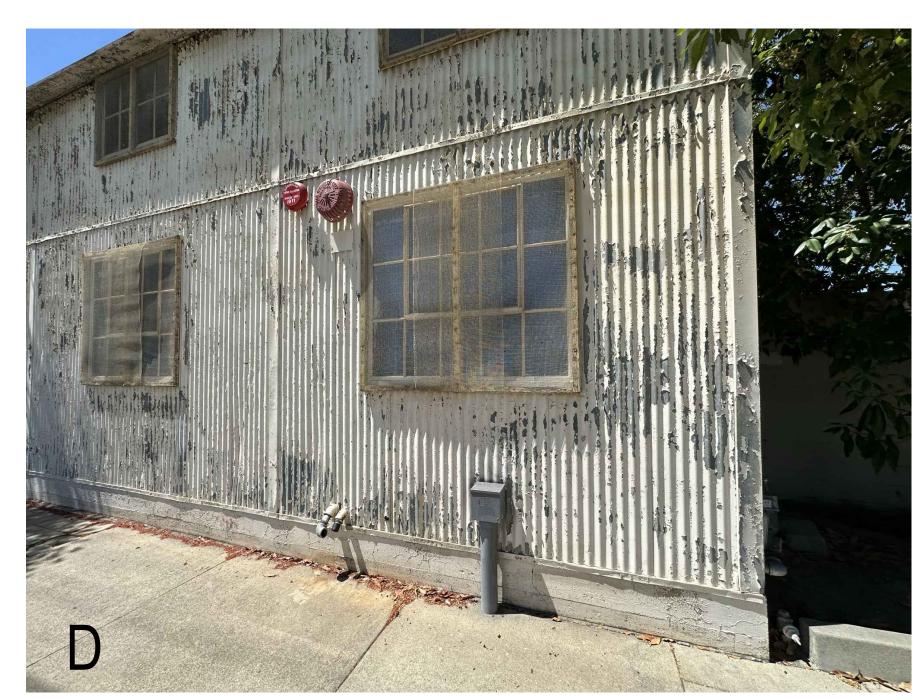


Job No. 2023-0553 Date: 2025-10-17







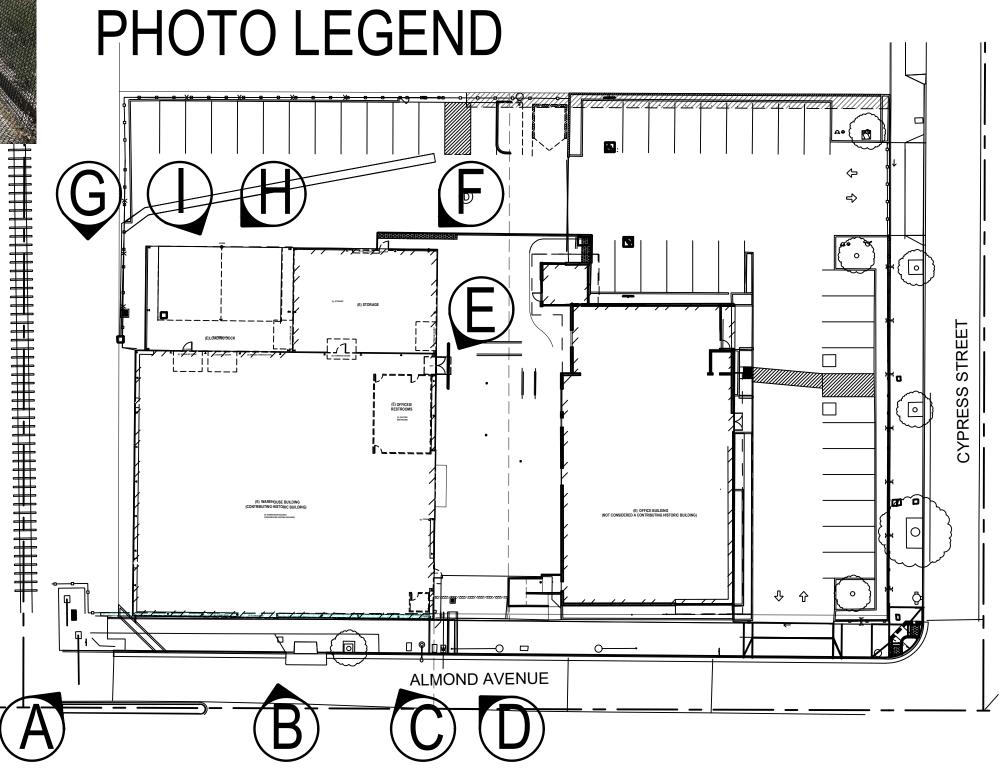


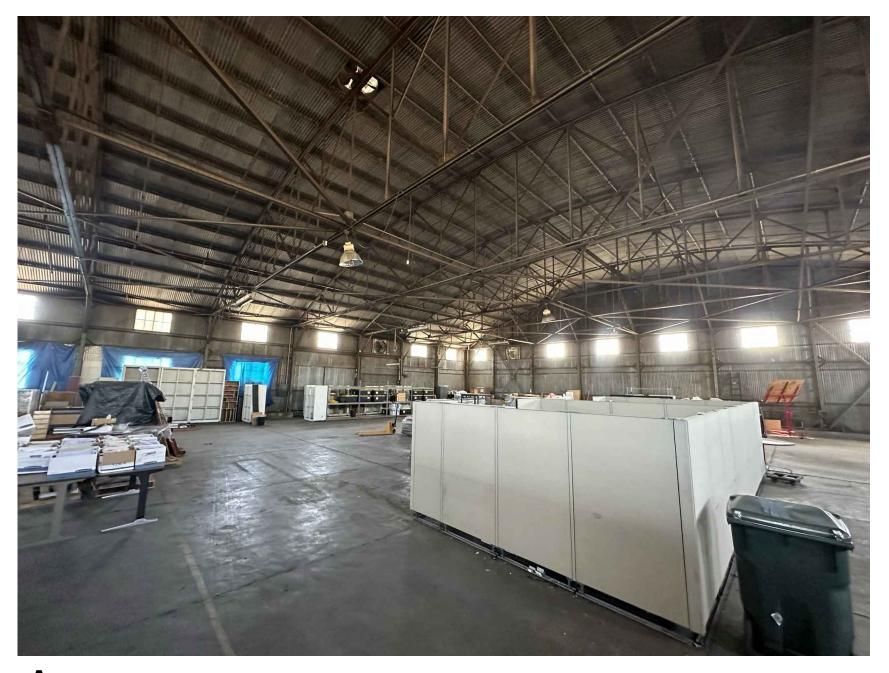


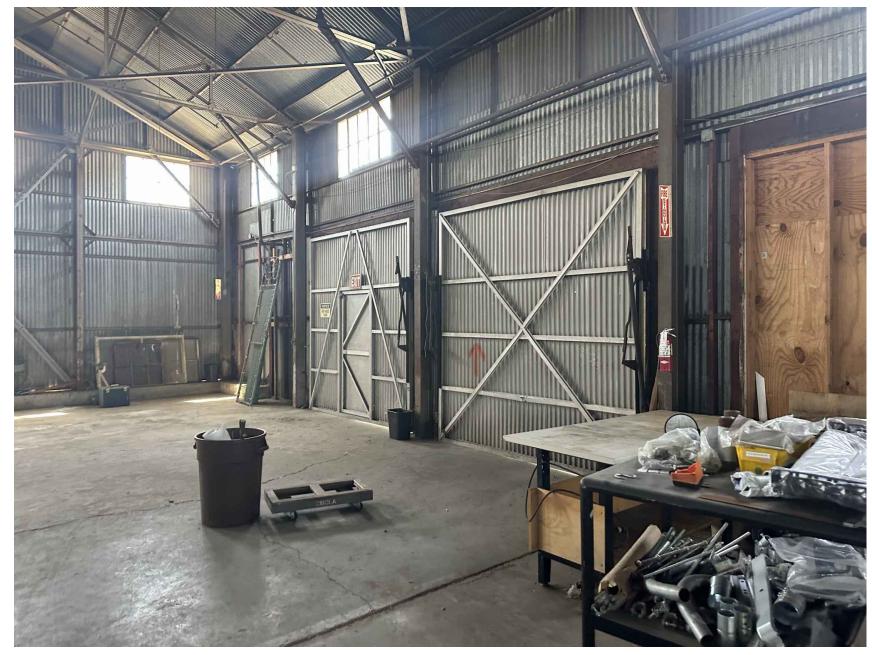












B



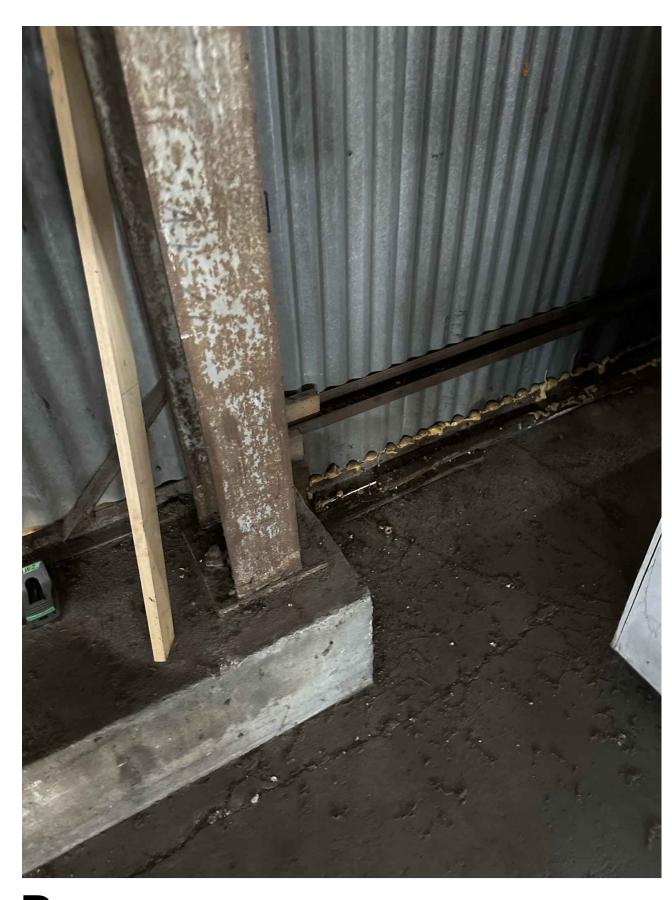
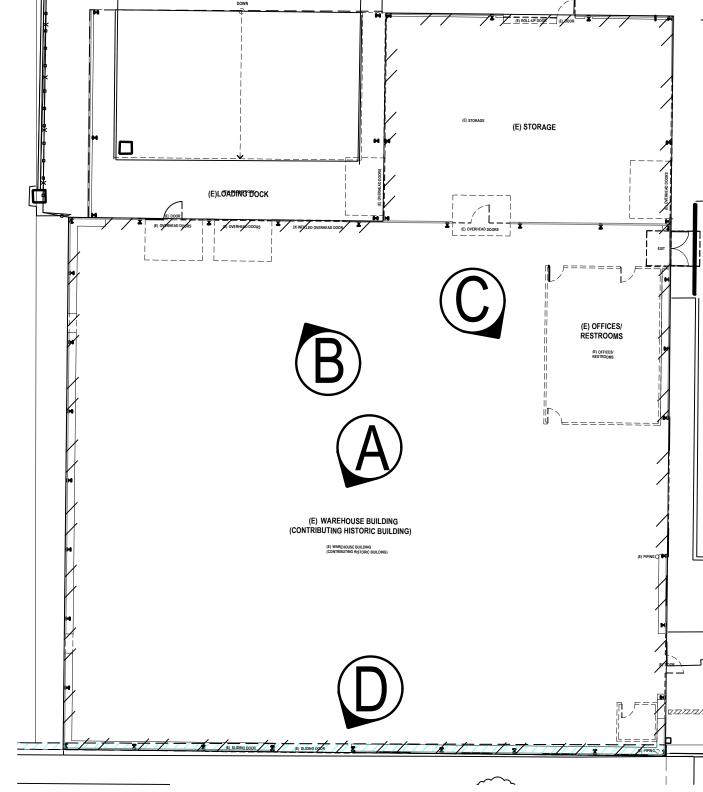
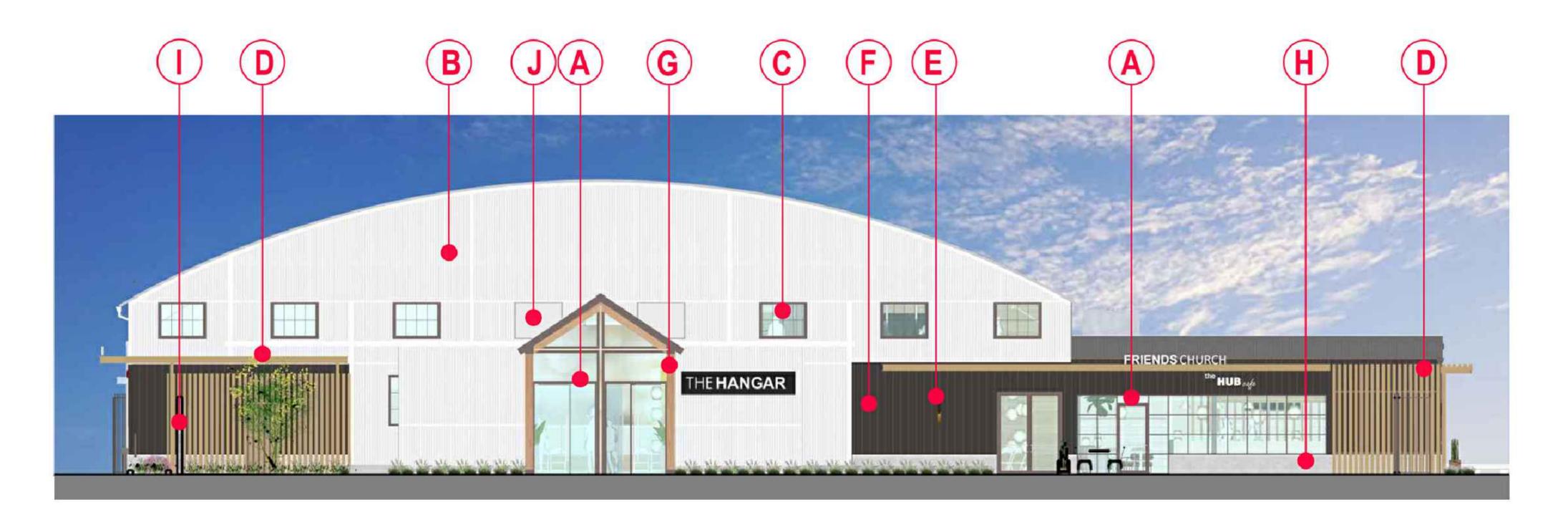


PHOTO LEGEND





A. STOREFRONT



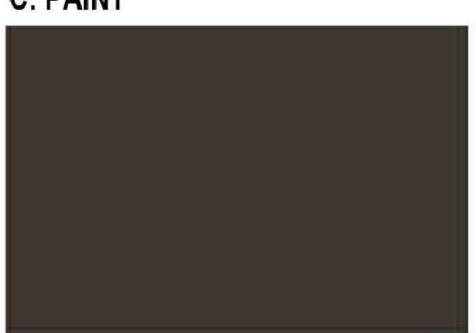
MANUF: ARCADIA COLOR: MEDIUM BRONZE LOCATION: STOREFRONT

B. PAINT



MANUF: SHERWIN WILLIAMS COLOR: SW 7757 HIGH REFLECTIVE WHITE FINISH: SEMI-GLOSS LOCATION: WALLS & ROOF

C. PAINT



MANUF: SHERWIN WILLIAMS COLOR: TO MATCH DARK BRONZE BY BERRIDGE FINISH: SEMI-GLOSS

NOTE: PAINT EXISTING FRAMES



D. POWDER COATING

FINISH: GLOSSY LOCATION: CANOPY & SLATS

E. WALL SCONCE



MANUF: LUMENS STYLE: REGA LED 18" COLOR: BRONZE

F. METAL PANEL SYSTEMS



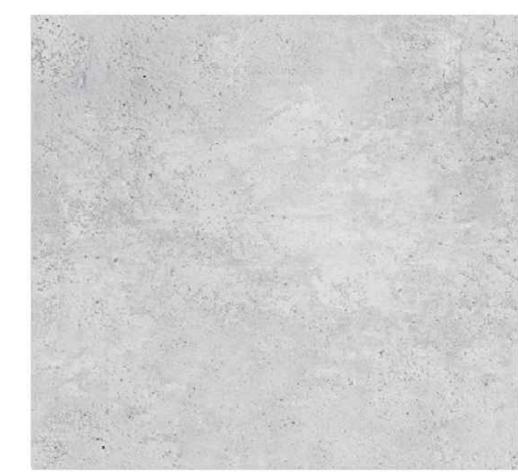
MANUF: BERRIDGE COLOR: DARK BRONZE TYPE: TO MATCH EXISTING LOCATION: WALL CLADDING

G. FIBER CEMENT



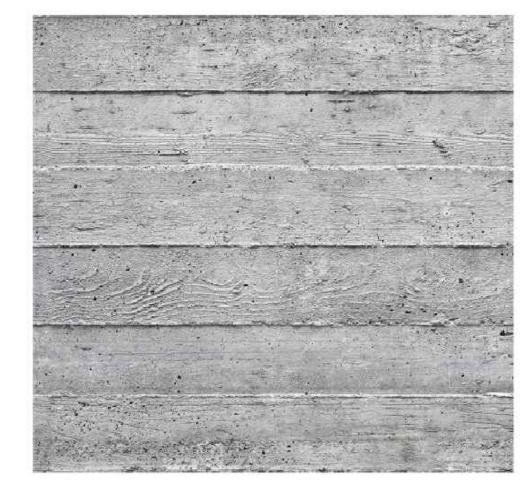
MANUF: NICHIHA COLOR: VINTAGEWOOD LOCATION: ENTRY

H. CONCRETE SMOOTH PLASTER



MANUF: OMEGA COLOR: SANTA BARBARA LOCATION: WALL BASE

I. POURED IN CONCRETE



MANUF: TBD COLOR: CONCRETE LOCATION: PLANTER WALL

J. SMOOTH STUCCO

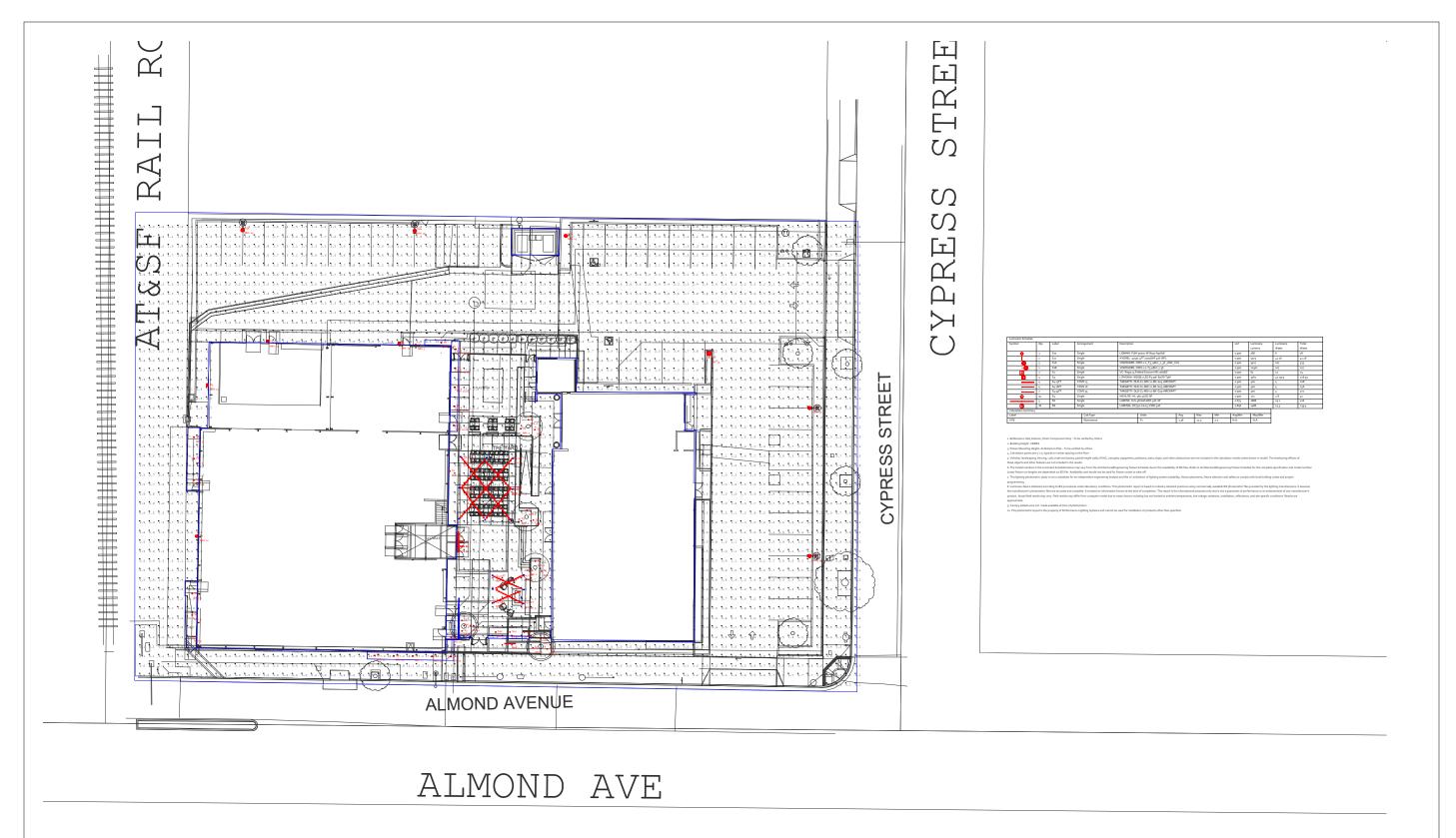


MANUF: OMEGA COLOR: 1C005 OMEGA WHITE LOCATION: WINDOW INSET



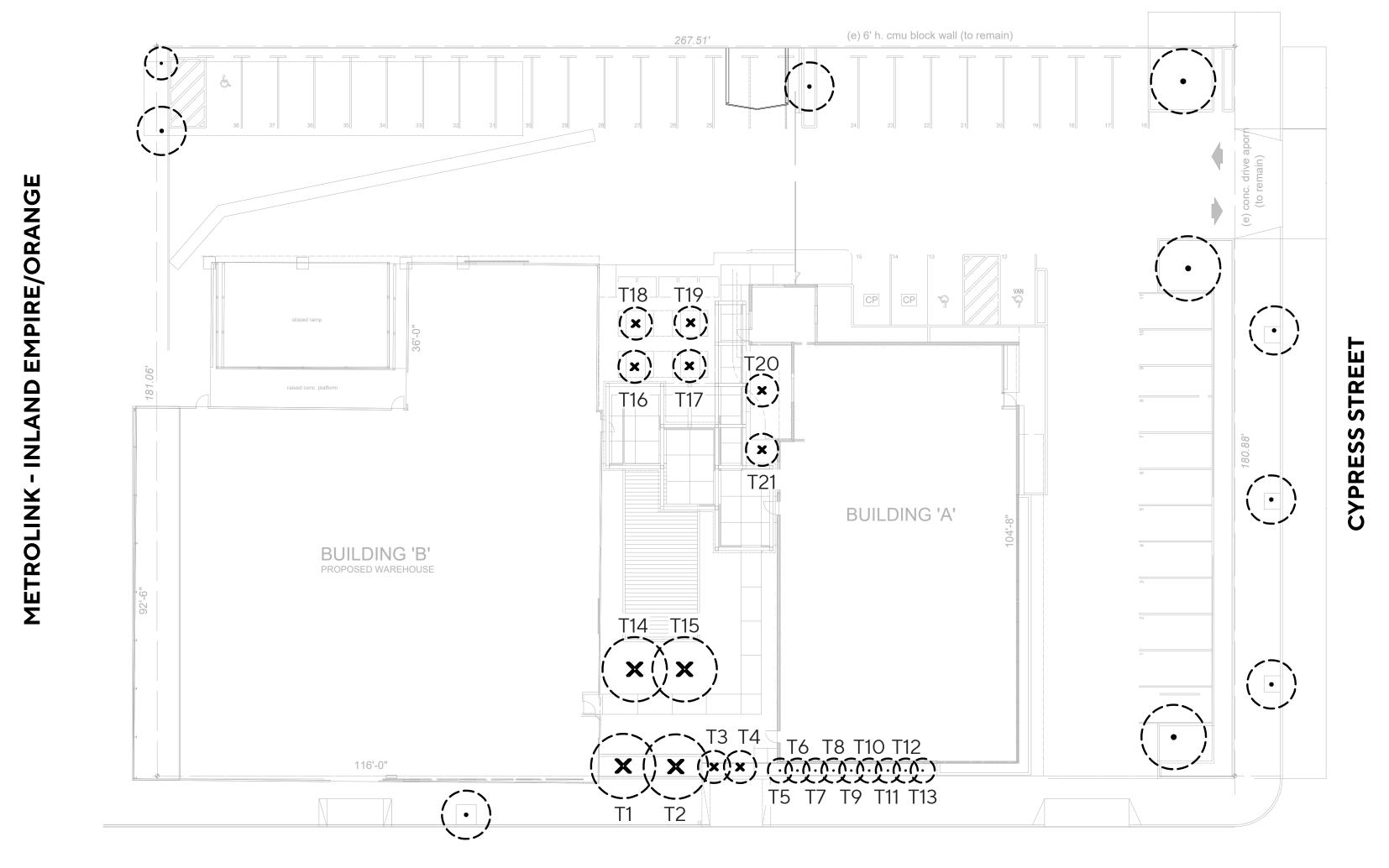
WEST BUILDING COLOR & MATERIAL



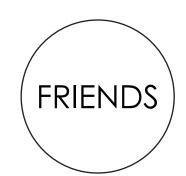


performance lighting systems Date Revisions **PHOTOMETRICS**

Page M of 1











TREE LEGEND

DESCRIPTION

TO BE REMOVED

TO BE REMOVED

TO BE REMOVED

TO BE REMOVED

TO REMAIN.

PROTECT IN-PLACE

TO REMAIN. PROTECT IN-PLACE

TO REMAIN.

PROTECT IN-PLACE

TO BE REMOVED

BOTANICAL NAME

COMMON NAME

LOPHOSTEMON CONFERTUS

LOPHOSTEMON CONFERTUS

PODOCARPUS GRACILIOR

LIQUIDAMBAR STYRACIFLUA

LIQUIDAMBAR STYRACIFLUA

LAGERSTROEMIA INDICA

LAGERSTROEMIA INDICA

LAGERSTROEMIA INDICA

LAGERSTROEMIA INDICA

BRISBANE BOX TREE

BRISBANE BOX TREE

AFRICAN FERN PINE

SWEET GUM

SWEET GUM

CRAPE MYRTLE

CRAPE MYRTLE

CRAPE MYRTLE

CRAPE MYRTLE

CITRUS X LIMON LEMON TREE

LEMON TREE

CITRUS RETICULATA
TANGERINE TREE

CALLISTEMON CITRINUS

SYMBOL

T10



FRIENDS CHURCH - THE HANGAR



	KEYNOTE LEGEND
1	PROPERTY LINE
2	EXISTING PUBLIC SIDEWALK TO REMAIN - PROTECT IN-PLACE
3	PROPOSED CURB RAMP PER CIVIL ENGINEER
4	EXISTING PLANTING AREA TO REMAIN - PROTECT IN-PLACE
5	EXISTING FENCE AND GATE TO BE REMOVED
6	EXISTING PAVING TO REMAIN - PROTECT IN-PLACE
7	SOUND ATTENUATION WALL PER ARCHITECT
8	A.D.A. PARKING STALLS PER CIVIL ENGINEER - TYPICAL.
9	STRIPED CROSSWALK PER CIVIL ENGINEER
10	TRASH ENCLOSURE PER ARCHITECT
11	NEW PUBLIC SIDEWALK
12	BOLLARDS PER CIVIL
13	PLANTING AREA - REFER TO PLANTING PLANS
14	PROPOSED LIGHTING - REFER TO ARCHITECT'S PLANS

PROJECT SUMMARY	
OVERALL SITE AREA	46,107.87 SF (1.06 acres)
EXISTING LANDSCAPE AREA	5,236.33 SF (11.35%)
PROPOSED LANDSCAPE AREA	3,499.44 SF
LANDSCAPE COVERAGE	8%
EXISTING LANDSCAPE AREA	
REFURBISHED TO WATER EFFICIENT	
REPURBISHED TO WATER EFFICIENT	
PLANT MATERIAL/IRRIGATION	
	78.48 SF (.17%)

IRRIGATION DESIGN NOTES

THE IRRIGATION SYSTEM WILL BE A FULLY AUTOMATIC UNDERGROUND SYSTEM. BACKFLOW PREVENTION DEVICES WILL BE INSTALLED TO MEET APPLICABLE CODES. THE IRRIGATION SYSTEM WILL BE DESIGNED AND CONSTRUCTED TO BE AS EFFICIENT IN TERMS OF WATER USAGE AS POSSIBLE. WATER CONSERVATION PRODUCTS (HIGH EFFICIENCY / LOW PRECIPITATION) AND AN EVAPOTRANSPIRATION (ET) WEATHER BASED CONTROL SYSTEM WILL BE INCORPORATED INTO THE SYSTEM DESIGN.

GENERAL DESIGN NOTES

1. FINAL LANDSCAPE PLANS SHALL ACCURATELY SHOW PLACEMENT OF TREES, SHRUBS, AND GROUNDCOVERS.
2. LANDSCAPE ARCHITECT SHALL BE AWARE OF UTILITY, SEWER, STORM DRAIN

2. LANDSCAPE ARCHITECT SHALL BE AWARE OF UTILITY, SEWER, STORM DRAIN EASEMENT AND PLACE PLANTING LOCATIONS ACCORDINGLY TO MEET CITY OF BRE A REQUIREMENTS.

OF BRE A REQUIREMENTS.

3. ALL REQUIRED LANDSCAPE AREAS (INCLUDING PUBLIC RIGHT-OF-WAY)

SHALL BE MAINTAINED BY OWNER. THE LANDSCAPE AREAS SHALL BE

MAINTAINED PER CITY OF BREA REQUIREMENTS.

4. ALL IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY, INCLUDING STREET TREES, SHALL BE INSTALLED PER THE PUBLIC IMPROVEMENT PLANS.
5. NOTIFY COMMUNITY SERVICES DEPARTMENT, (714) 532-6464, FOR LANDSCAPE INSPECTION PRIOR TO EXCAVATION OF PLANTING FOR PLANT MATERIAL, CITY STREET TREES, AND SETBACK REQUIREMENTS. 48-HOUR NOTICE REQUIRED.



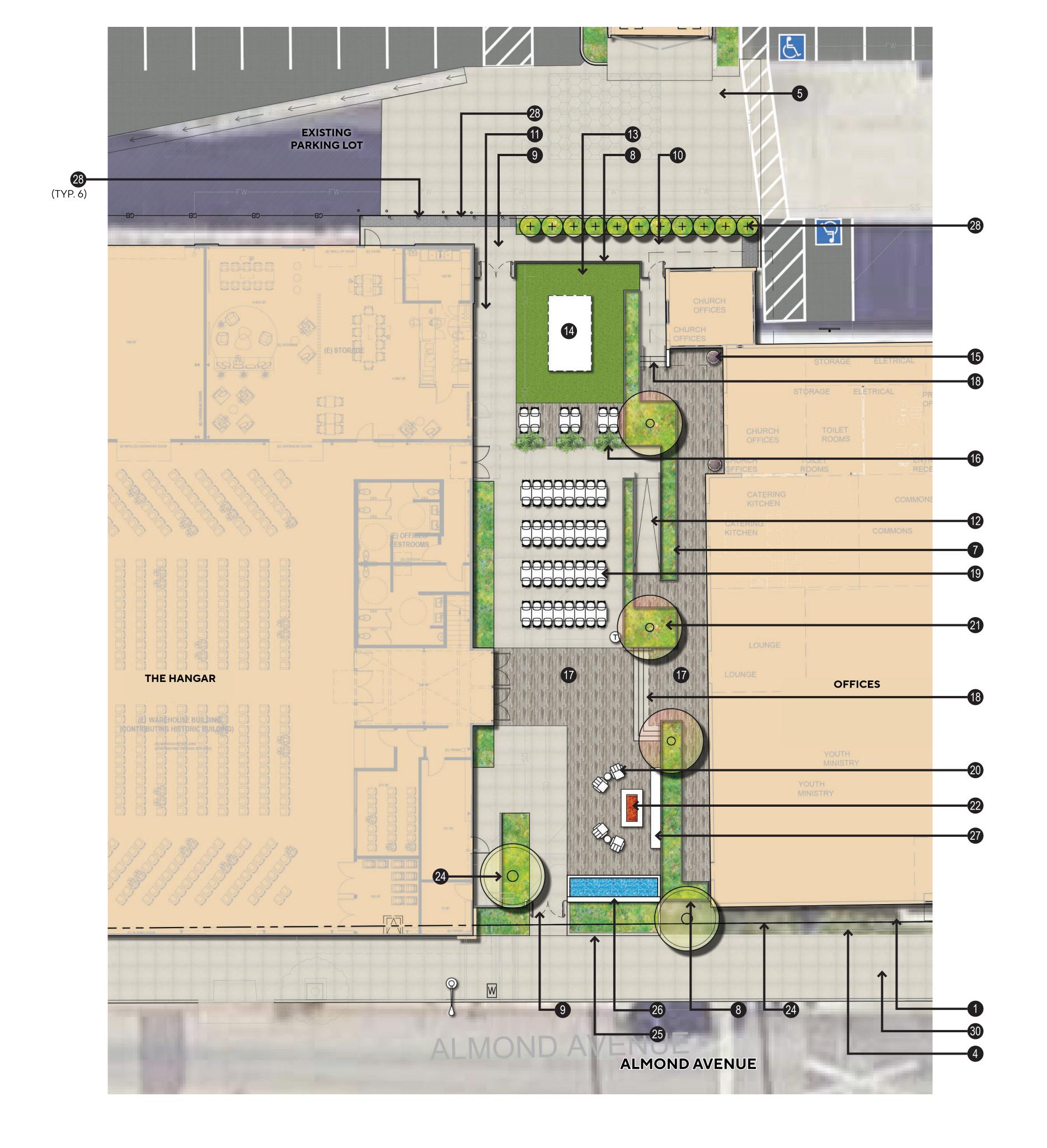


FRIENDS CHURCH - THE HANGAR

180 S. CYPRESS, ORANGE, CA

THE YARD
OVERALL LANDSCAPE SITE PLAN







THE YARD
SITE PLAN ENLARGEMENT



KEYNOTE LEGEND

EXISTING CURB RAMPS TO REMAIN - PROTECT IN-PLACE

EXISTING PLANTING AREA TO REMAIN - PROTECT IN-PLACE

EXISTING PUBLIC SIDEWALK TO REMAIN - PROTECT IN-PLACE

PROPERTY LINE

THE IRRIGATION SYSTEM WILL BE A FULLY AUTOMATIC UNDERGROUND SYSTEM. BACKFLOW PREVENTION DEVICES WILL BE INSTALLED TO MEET APPLICABLE CODES. THE IRRIGATION SYSTEM WILL BE DESIGNED AND CONSTRUCTED TO BE AS EFFICIENT IN TERMS OF WATER USAGE AS POSSIBLE. WATER CONSERVATION PRODUCTS (HIGH EFFICIENCY / LOW PRECIPITATION) AND AN EVAPOTRANSPIRATION (ET) WEATHER BASED CONTROL SYSTEM WILL BE INCORPORATED INTO THE SYSTEM DESIGN.

GENERAL DESIGN NOTES

1. FINAL LANDSCAPE PLANS SHALL ACCURATELY SHOW PLACEMENT OF TREES, SHRUBS, AND GROUNDCOVERS.

2. LANDSCAPE ARCHITECT SHALL BE AWARE OF UTILITY, SEWER, STORM DRAIN EASEMENT AND PLACE PLANTING LOCATIONS ACCORDINGLY TO MEET CITY OF BRE A REQUIREMENTS.

3. ALL REQUIRED LANDSCAPE AREAS (INCLUDING PUBLIC RIGHT-OF-WAY)
SHALL BE MAINTAINED BY OWNER. THE LANDSCAPE AREAS SHALL BE
MAINTAINED PER CITY OF BREA REQUIREMENTS.

4. ALL IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY, INCLUDING STREET TREES, SHALL BE INSTALLED PER THE PUBLIC IMPROVEMENT PLANS.

5. NOTIFY COMMUNITY SERVICES DEPARTMENT, (714) 532-6464, FOR

LANDSCAPE INSPECTION PRIOR TO EXCAVATION OF PLANTING FOR PLANT MATERIAL, CITY STREET TREES, AND SETBACK REQUIREMENTS. 48-HOUR NOTICE REQUIRED.

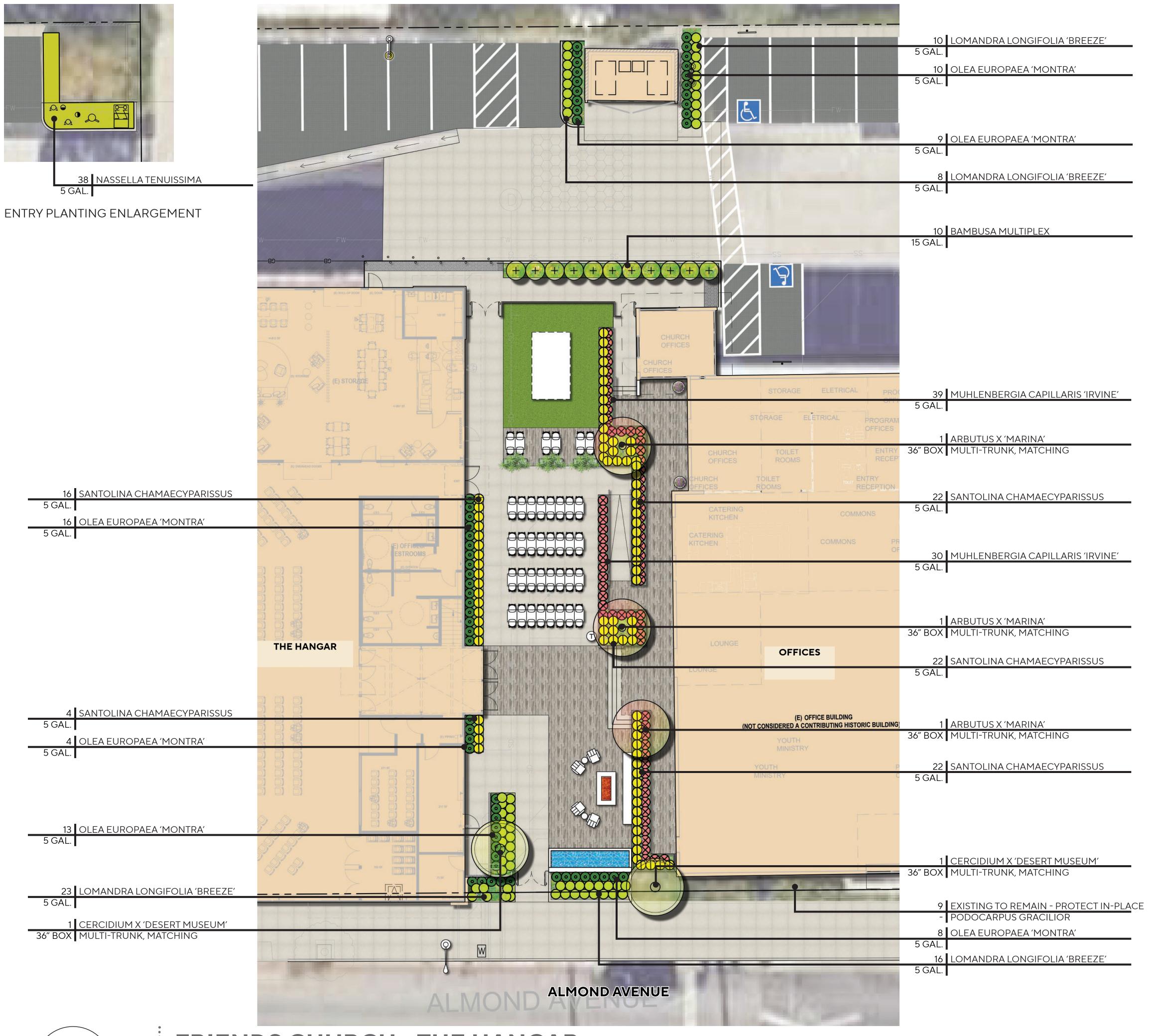




Date

2023-0553

2025-04-08



• • • •		TREE LE	GEN	ID		
• • • • •	SYMBOL	BOTANICAL NAME (COMMON NAME)	SIZE	QTY.	WUCOLS	DESCRIPTION
	0	ARBUTUS X 'MARINA' (MARINA STRAWBERRY TREE)	36" BOX	3	L	MULTI-TRUNK, MATCHING
• • • • • •	+	BAMBUSA MULTIPLEX (CLUMPING BAMBOO)	36" BOX	10	VL	HEDGE
•••••••••	0	CERCIDIUM X 'DESERT MUSEUM' (DESERT MUSEUM PALO VERDE)	36" BOX	2	VL	MULTI-TRUNK, MATCHING

SHRUB LEGEND									
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QTY.					
0	LOMANDRA LANGIFOLIA 'BREEZE'	DWARF MAT RUSH	5 GAL	57					
\otimes	MUHLENBERGIA CAPILLARIS 'IRVINE'	PLUMETASTIC PINK MUHLY GRASS	5 GAL	69					
	NASSELLA TENUISSIMA	MEXICAN FEATHERGRASS	5 GAL	38					
•	OLEA EUROPAEA 'MONTRA'	DWARF OLIVE	15 GAL	60					
•	SANTOLINA CHAMAECYPARISSUS	LAVENDER-COTTON	1 GAL	85					

PLANTING DESIGN NOTES

THE SELECTION OF PLANT MATERIAL IS BASED ON CULTURAL, AESTHETIC, AND MAINTENANCE CONSIDERATIONS. ALL PLANTING AREAS SHALL BE PREPARED WITH APPROPRIATE SOIL AMENDMENTS, FERTILIZERS, AND APPROPRIATE SUPPLEMENTS BASED UPON A SOILS REPORT FROM AN AGRICULTURAL SUITABILITY SOIL SAMPLE TAKEN FROM THE SITE. GROUND COVERS OR BARK MULCH SHALL FILL IN BETWEEN THE SHRUBS TO SHIELD THE SOIL FROM THE SUN, EVAPOTRANSPORATION AND RUN-OFF. ALL THE FLOWER AND SHRUB BEDS SHALL BE MULCHED TO A 3" DEPTH TO HELP CONSERVE WATER, LOWER THE SOIL TEMPERATURE AND REDUCE WEED GROWTH. THE SHRUBS SHALL BE ALLOWED TO GROW IN THEIR NATURAL FORMS. ALL LANDSCAPE IMPROVEMENTS SHALL FOLLOW THE CITY OF ORANGE GUIDELINES.

NOTIFY COMMUNITY SERVICES DEPARTMENT, (714) 532-6464, FOR LANDSCAPE INSPECTION PRIOR TO EXCAVATION OF PLANTING FOR PLANT MATERIAL, CITY STREET TREES, AND SETBACK REQUIREMENTS. 48-HOUR NOTICE REQUIRED.

CLIMATE ZONES FACTOR

WATER USE ABBREVIATIONS ARE AS FOLLOWS:

H = HIGH WATER NEEDSM = MEDIUM WATER NEEDSL = LOW WATER NEEDS

VL = VERY LOW WATER NEEDS

SUNSET ZONE: 23

USDA HARDINESS ZONE: 10b WUCOLS REGION: SOUTH COASTAL, REGION 3











180 S. CYPRESS, ORANGE, CA

FRIENDS

TREE IMAGES



ARBUTUS MARINA (STRAWBERRY TREE) HEIGHT: 20' - 30' SPREAD: 15' - 20' WUCOLS: M/L **FULL SUN**

BAMBUSA MULTIPLEX (CLUMPING BAMBOO) HEIGHT: 10' - 25' SPREAD: 4' - 6' WUCOLS: M **FULL SUN**

(DESERT MUSEUM PALO VERDE) HEIGHT: 25' SPREAD: 25' WUCOLS: VL **FULL SUN**

CERCIDIUM X 'DESERT MUSEUM'



SHRUB IMAGES

HEIGHT: 3'

SPREAD: 3'

WUCOLS: L

FULL SUN

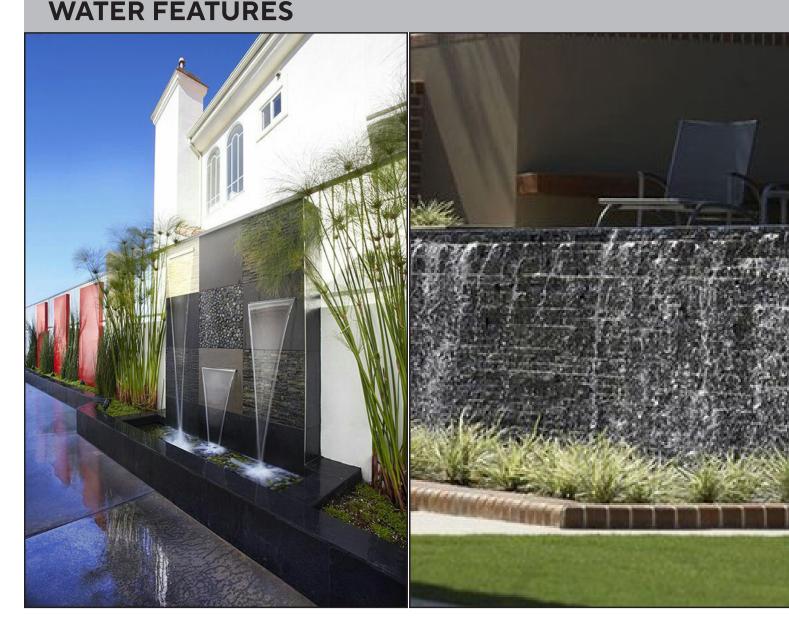
(PLUMETASTIC PINK MUHLY GRASS) HEIGHT: 3' -4' SPREAD: 3' - 4' WUCOLS: L FULL SUN TO PARTIAL SHADE

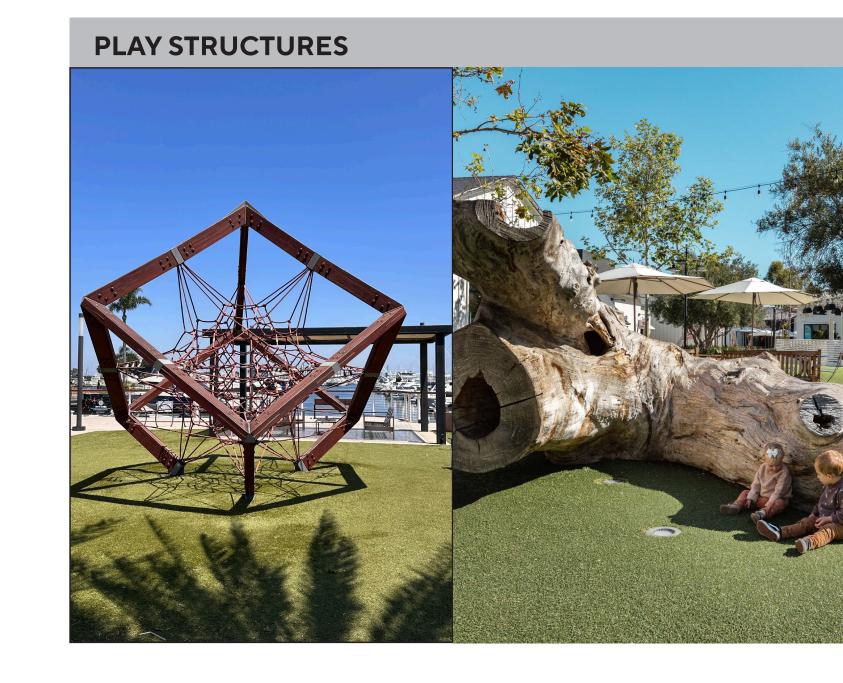




SANTOLINA CHAMAECYPARISSUS (LAVENDER-COTTON) HEIGHT: 1'-3' SPREAD: 2'-3' WUCOLS: L **FULL SUN**

WATER FEATURES







THE YARD

RAISED PLANTER WALLS & BENCH



THE HANGAR - FRIENDS CHURCH CONCEPTUAL GRADING PLAN

W. ALMOND AVENUE **VICINITY MAP** NOT TO SCALE

SHEET INDEX

SHEET TITLE TITLE SHEET SHEET NUMBER TOPOGRAPHIC ENCUMBRANCE & LIMIT OF IMPACT PLAN CONCEPTUAL GRADING PLAN
CONCEPTUAL GRADING PLAN
CONCEPTUAL UTILITY PLAN CONCEPTUAL BMP PLAN

APPLICANT

FRIENDS CHURCH - ORANGE 426 W ALMOND AVE. ORANGE, CA 92866 KYLE ZIMMERMAN 949.637.7646 KYLEZ@FRIENDS.CHURCH

TAIT & ASSCOAITES 701 N. PARKCENTER DR. SANTA ANA, CA 92705 (714) 560-8200

ARCHITECT

AO ARCHITECTS 144 S. ORANGE ST. ORANGE, CA 92866 JEFF RABBITT 714.639.9860 JEFF@ARCHITECTSORANGE.COM

LANDSCAPE ARCHITECT

144 S. ORANGE ST. ORANGE, CA 92866 JEFF RABBITT 714.639.9860 JEFF@ARCHITECTSORANGE.COM

GENERAL CONTRACTOR

C.W. DRIVER 2190 S. TOWNE CENTER PLACE ANAHEIM, CA 92806 KARL KREUTZIGER 949.444.3531 KKREUTZIGER@CWDRIVER.COM

UTILITY COMPANIES

1452 EDINGER AVE, 3RD FLOOR TUSTIN, CA 92780 CONTACT: NICOLE MARTEL PHONE: (714) 227-0021 EMAIL: NM8255A@ATT.COM

CONTACT: JASON SUM PHONE: (310) 687-2011 EMAIL: JSUMOSOCALGAS.COM CITY OF ORANGE WATER DIVISION 189 S WATER STREET ORANGE, CA 92866-1591 PHONE: (714) 288-2541

SOUTHERN CALIFORNIA GAS

1919 S STATE COLLEGE BLVD

ANAHEIM, CA 92806

COMPANY

SOUTHERN CALIFORNIA EDISON CONTACT: DANIEL B PHONE: (626) 664-5148

LAND AREA

 $48,804 \pm S.F. / 1.120386 \pm ACRES (GROSS)$

AREA SUMMARY: ± 48,569 S.F. / ± 1.11ACRES

ASSESSOR'S PARCEL NUMBER:

COUNTY OF ORANGE:

APN: 390-661-05

BENCHMARK:

BM ID: SA-281-75 BASIN. MONUMENT IS LOCATED IN THE NORTHEASTERLY CORNER OF THE INTERSECTION OF BATAVIA STREET AND CHAPMAN AVENUE, 66 FT. EASTERLY OF THE CENTERLINE OF BATAVIA AND 32.5 FT. NORTHERLY OF THE CENTERLINE OF CHAPMAN. MONUMENT IS SET LEVEL WITH THE SIDEWALK.

ELEVATION: 171.70 FEET (NAVD 1988)

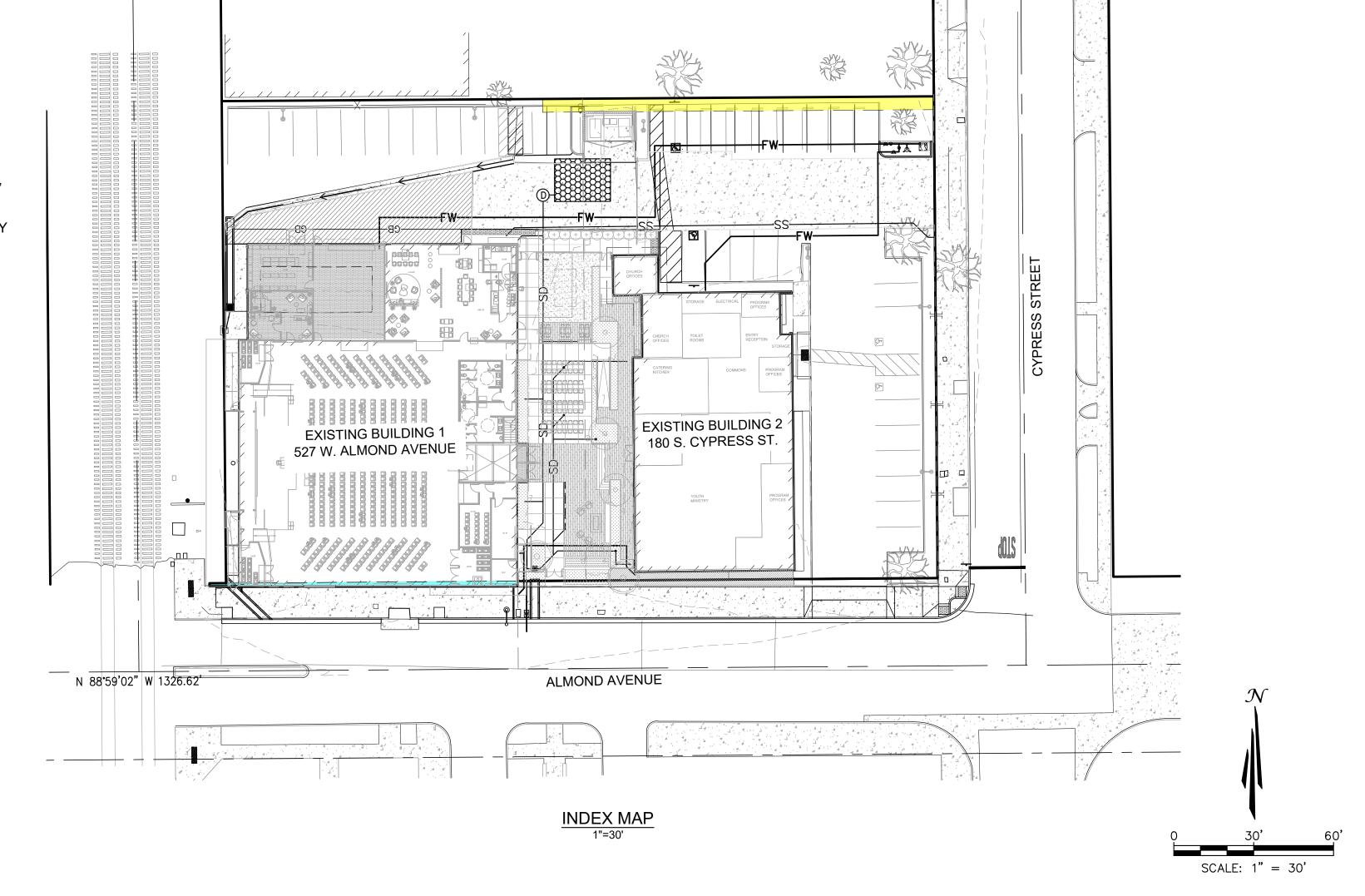
BASIS OF BEARINGS:

THE CENTERLINE OF ALMOND AVENUE BEING N 88°59'02" W BASED ON THE ORANGE COUNTY REAL TIME NETWORK (OCRTN)

FLOOD ZONE:

PER FEMA WEBSITE:

ZONE "X" (AREAS OF MINIMAL FLOOD HAZARD) MAP NUMBER: 06059C0161J EFFECTIVE DATE: DECEMBER 3, 2009





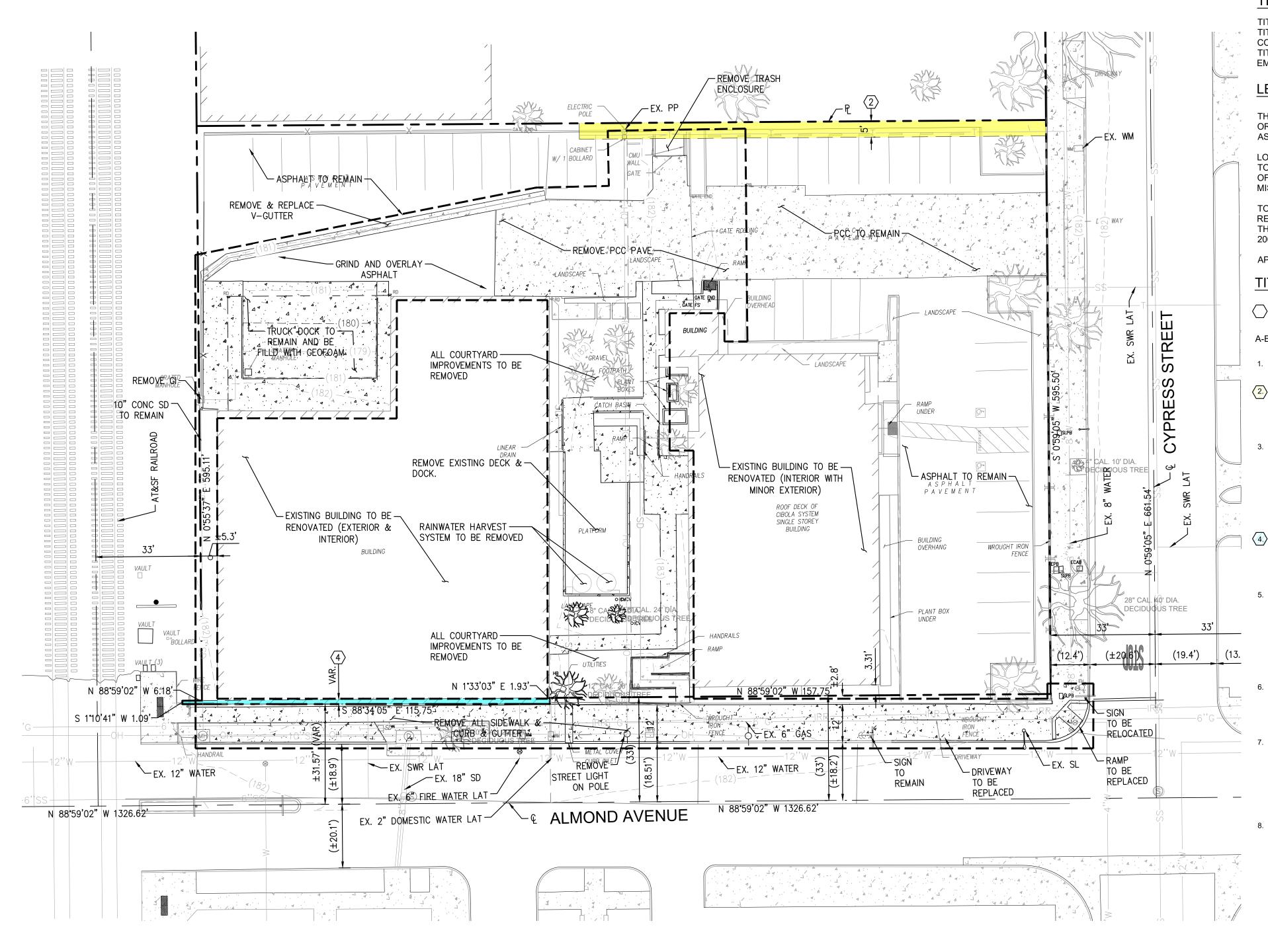
UNAUTHORIZED CHANGES & USES

THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR THE EXISTENCE AND LOCATION OF ANY UNDERGROUND USES OF THESE PLANS. ALL CHANGES OF THESE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS PRIOR TO CONSTRUCTION. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF PLANS. THE CONTRACTOR SHALL ASCERTAIN THE TRUE ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO VERTICAL AND HORIZONTAL LOCATION OF THOSE UNDERGROUND NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL

NOTE TO CONTRACTOR

UTILITIES, PIPES, AND/OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THERE MAY BE EXISTING UTILITIES NOT SHOWN ON THESE UTILITIES TO BE USED PRIOR TO CONSTRUCTION AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY PUBLIC OR PRIVATE UTILITIES, SHOWN OR NOT SHOWN HEREON.

TITLE



<u>LEGEND</u>

— — — — LIMIT OF IMPACT/DEMOLITION ----- CENTERLINE PROPERTY LINE/RIGHT OF WAY EXISTING CURB ---- EXISTING EASEMENT EXISTING SANITARY SEWER EXISTING STORM DRAIN EXISTING WATER

EXISTING FIRE WATER

EXISTING GAS

ABBREVIATION

- CENTER LINE PROPERTY LINE R/W RIGHT-OF-WAY AC ASPHALT CONCRETE
- PP POWER POLE WM WATER METER WV WATER VALVE
- SS SANITARY SEWER SD STORM DRAIN W WATER
- FW FIRE WATER FH FIRE HYRANT
- EX. EXISTING
- EXISTING FIRE HYDRANT

TITLE REPORT:

TITLE COMPANY: FIDELITY NATIONAL TITLE TITLE ORDER NO.: FBDO-2401694 COMMITMENT DATE: OCTOBER 2, 2024 TITLE OFFICER: TEAM ANDREW MARGO EMAIL: THEATEAM@FNF.COM

LEGAL DESCRIPTION:

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF ORANGE, COUNTY OF ORANGE, STATE OF CALIFORNIA AND IS DESCRIBED AS FOLLOWS:

LOTS 8, 9, 10, 11, 12 AND 13, ALL IN BLOCK B OF CHUBBS ADDITION TO THE TOWN OF ORANGE, IN THE CITY OF ORANGE, COUNTY OF ORANGE, STATE OF CALIFORNIA, AS SHOWN ON A MAP RECORDED IN BOOK 12, PAGE 86 OF MISCELLANEOUS RECORDS OF LOS ANGELES COUNTY, CALIFORNIA.

TOGETHER WITH THAT PORTION OF ALMOND AVENUE, VACATED BY RESOLUTION NO. 10409 OF THE CITY OF ORANGE, A CERTIFIED COPY THEREOF BEING RECORDED DECEMBER 18, 2009 AS INSTRUMENT NO. 2009000679759, OF OFFICIAL RECORDS.

APN: 390-661-05

TITLE EXCEPTIONS:

- INDICATES SHOWN HEREON. NUMBERED ACCORDING TO THE ABOVE REFERENCED PRELIMINARY TITLE REPORT.
- A-B PROPERTY TAXES.

OFFICIAL RECORDS

- WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT DISCLOSED BY THE
- 2) EASEMENT(S) GRANTED TO: THE PACIFIC TELEPHONE & TELEGRAPH COMPANY PURPOSE: PUBLIC UTILITIES RECORDING APRIL 26, 1967 RECORDING NO.: BOOK 8235, PAGE 254, OF
- THE LAND DESCRIBED HEREIN IS INCLUDED WITHIN A PROJECT AREA OF THE REDEVELOPMENT AGENCY SHOWN BELOW, AND THAT PROCEEDINGS FOR THE REDEVELOPMENT OF SAID PROJECT HAVE BEEN INSTITUTED UNDER THE REDEVELOPMENT LAW (SUCH REDEVELOPMENT TO PROCEED ONLY AFTER THE ADOPTION OF THE REDEVELOPMENT PLAN) AS DISCLOSED BY A DOCUMENT. REDEVELOPMENT AGENCY: THE CITY OF

RECORDING NO.: 20010869583, OF OFFICIAL RECORDS

ORANGE RECORDING DATE: DECEMBER 3,

- EASEMENTS FOR PUBLIC UTILITY FACILITIES, SANITARY SEWERS, STORM DRAINS AND INCIDENTAL PURPOSES OVER THAT PORTION OF THE LAND LYING WITHIN VACATED ALMOND AVENUE, AS RESERVED IN RESOLUTION NO. 10409 OF THE CITY COUNCIL OF THE CITY OF ORANGE, A CERTIFIED COPY OF WHICH RECORDED DECEMBER 18, 2009 AS INSTRUMENT NO. 2009000679759, OF OFFICIAL RECORDS.
- 5. A DEED OF TRUST TO SECURE AN INDEBTEDNESS DATED: JANUARY 29, 2010

RECORDING NO.: 2010000050857, OF OFFICIAL RECORDS

AN AGREEMENT TO MODIFY THE TERMS AND PROVISIONS OF SAID DEED OF TRUST AS THEREIN PROVIDED EXECUTED BY: CYPRESS ALMOND, LLC, A CALIFORNIA LIMITED LIABILITY COMPANY AND COMERICA BANK RECORDING DATE: APRIL 26, 2021 RECORDING NO.: 2021000278143, OF OFFICIAL RECORDS

AN ASSIGNMENT OF ALL THE MONEYS DUE, OR TO BECOME DUE AS RENTAL, AS ADDITIONAL SECURITY FOR THE OBLIGATIONS SECURED BY DEED OF TRUST SHOWN AS ITEM NO. 5.

DATE: FEBRUARY 1, 2010 RECORDING NO.: 2010000050858, OF OFFICIAL RECORDS

A DEED OF TRUST TO SECURE AN INDEBTEDNESS DATED: FEBRUARY 15, 2012 RECORDING DATE: FEBRUARY 17, 2012 RECORDING NO.: 2012000091914, OF OFFICIAL RECORDS

AN ASSIGNMENT OF THE BENEFICIAL INTEREST UNDER SAID DEED OF TRUST RECORDING DATE: FEBRUARY 17, 2012 RECORDING NO.: 2012000091915, OF OFFICIAL RECORDS

AN UNRECORDED LEASE WITH CERTAIN TERMS, COVENANTS, CONDITIONS AND PROVISIONS SET FORTH THEREIN AS DISCLOSED BY THE DOCUMENT ENTITLED: SUBORDINATION AGREEMENT LESSOR: CYPRESS ALMOND, LLC, A CALIFORNIA LIMITED LIABILITY COMPANY LESSEE: CIBOLA SYSTEMS CORPORATION, A CALIFORNIA CORPORATION

RECORDING DATE: FEBRUARY 17, 2012

RECORDING NO.: 2012000091917, OF OFFICIAL RECORDS AN AGREEMENT RECORDED FEBRUARY 17, 2012 AS INSTRUMENT NO. 2012000091917. OF OFFICIAL RECORDS, WHICH STATES THAT SAID LEASE HAS BEEN MADE

SUBORDINATE TO THE DOCUMENT ENTITLED: DEED OF TRUST WITH ASSIGNMENT OF RENTS RECORDING DATE: FEBRUARY 17, 2012 RECORDING NO.: 2012000091914, OF OFFICIAL RECORDS

THE PRESENT OWNERSHIP OF THE LEASEHOLD CREATED BY SAID LEASE AND OTHER MATTERS AFFECTING THE INTEREST OF THE LESSEE ARE NOT SHOWN HEREIN

MATTERS CONTAINED IN THAT CERTAIN DOCUMENT ENTITLED: THIRD PARTY LENDER AGREEMENT DATED: FEBRUARY 15, 2012

RECORDING NO.: 2012000091918, OF OFFICIAL RECORDS REFERENCE IS HEREBY MADE TO SAID DOCUMENT FOR FULL PARTICULARS.

REVIEW OF THE REQUESTED DOCUMENTATION.

10. DISCREPANCIES, CONFLICTS IN BOUNDARY LINES, SHORTAGE IN AREA, ENCROACHMENTS, OR ANY OTHER MATTERS WHICH A CORRECT SURVEY WOULD DISCLOSE AND WHICH ARE NOT SHOWN BY THE PUBLIC RECORDS. IN ORDER TO DELETE THE SURVEY EXCEPTION SHOWN ABOVE, A SATISFACTORY SURVEY OF THE SUBJECT LAND, WHICH COMPLIES WITH THE MINIMUM STANDARDS FOR LAND SURVEYS MADE FOR TITLE INSURANCE PURPOSES, IS TO BE FURNISHED THE COMPANY RESERVES THE RIGHT TO ADD ADDITIONAL ITEMS AS DISCLOSED BY THE SURVEY, OR MAKE FURTHER REQUIREMENTS AFTER

11. ANY EASEMENTS NOT DISCLOSED BY THE PUBLIC RECORDS AS TO MATTERS AFFECTING TITLE TO REAL PROPERTY, WHETHER OR NOT SAID EASEMENTS ARE VISIBLE AND APPARENT.

12. MATTERS WHICH MAY BE DISCLOSED BY AN INSPECTION AND/OR BY A CORRECT ALTA/NSPS LAND TITLE SURVEY OF SAID LAND THAT IS SATISFACTORY TO THE COMPANY, AND/OR BY INQUIRY OF THE PARTIES IN POSSESSION THEREOF.

13. ANY RIGHTS OF THE PARTIES IN POSSESSION OF A PORTION OF, OR ALL OF, SAID LAND, WHICH RIGHTS ARE NOT DISCLOSED BY THE PUBLIC RECORDS. THE COMPANY WILL REQUIRE, FOR REVIEW, A FULL AND COMPLETE COPY OF ANY UNRECORDED AGREEMENT, CONTRACT, LICENSE AND/OR LEASE, TOGETHER WITH ALL SUPPLEMENTS, ASSIGNMENTS AND AMENDMENTS THERETO, BEFORE ISSUING ANY POLICY OF TITLE INSURANCE WITHOUT EXCEPTING THIS ITEM FROM COVERAGE. THE COMPANY RESERVES THE RIGHT TO EXCEPT ADDITIONAL ITEMS AND/OR MAKE ADDITIONAL REQUIREMENTS AFTER REVIEWING SAID DOCUMENTS.

14. THE TRANSACTION CONTEMPLATED IN CONNECTION WITH THIS REPORT IS SUBJECT TO THE REVIEW AND APPROVAL OF THE COMPANY'S CORPORATE UNDERWRITING DEPARTMENT. THE COMPANY RESERVES THE RIGHT TO ADD ADDITIONAL ITEMS OR MAKE FURTHER REQUIREMENTS AFTER SUCH REVIEW.

AREA SUMMARY

± 48,569 S.F. / ± 1.11ACRES

ASSESSOR'S PARCEL NUMBER:

COUNTY OF ORANGE:

APN: 390-661-05

BENCHMARK:

BM ID: SA-281-75 DESCRIPTION: 3 3\4" OCS ALUMINUM BENCHMARK DISK STAMPED "SA-281-75", SET IN THE SOUTHWEST CORNER OF A 4 FT. BY 15 FT. CONCRETE CATCH BASIN. MONUMENT IS LOCATED IN THE NORTHEASTERLY CORNER OF THE INTERSECTION OF BATAVIA STREET AND CHAPMAN AVENUE, 66 FT. EASTERLY OF THE CENTERLINE OF BATAVIA AND 32.5 FT. NORTHERLY OF THE CENTERLINE OF CHAPMAN. MONUMENT IS SET LEVEL WITH THE SIDEWALK.

ELEVATION: 171.70 FEET (NAVD 1988)

BASIS OF BEARINGS:

THE CENTERLINE OF ALMOND AVENUE BEING N 88°59'02" W BASED ON THE ORANGE COUNTY REAL TIME NETWORK (OCRTN)

FLOOD ZONE:

PER FEMA WEBSITE:

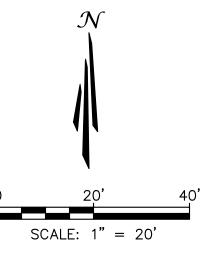
ZONE "X" (AREAS OF MINIMAL FLOOD HAZARD) MAP NUMBER: 06059C0161J EFFECTIVE DATE: DECEMBER 3, 2009

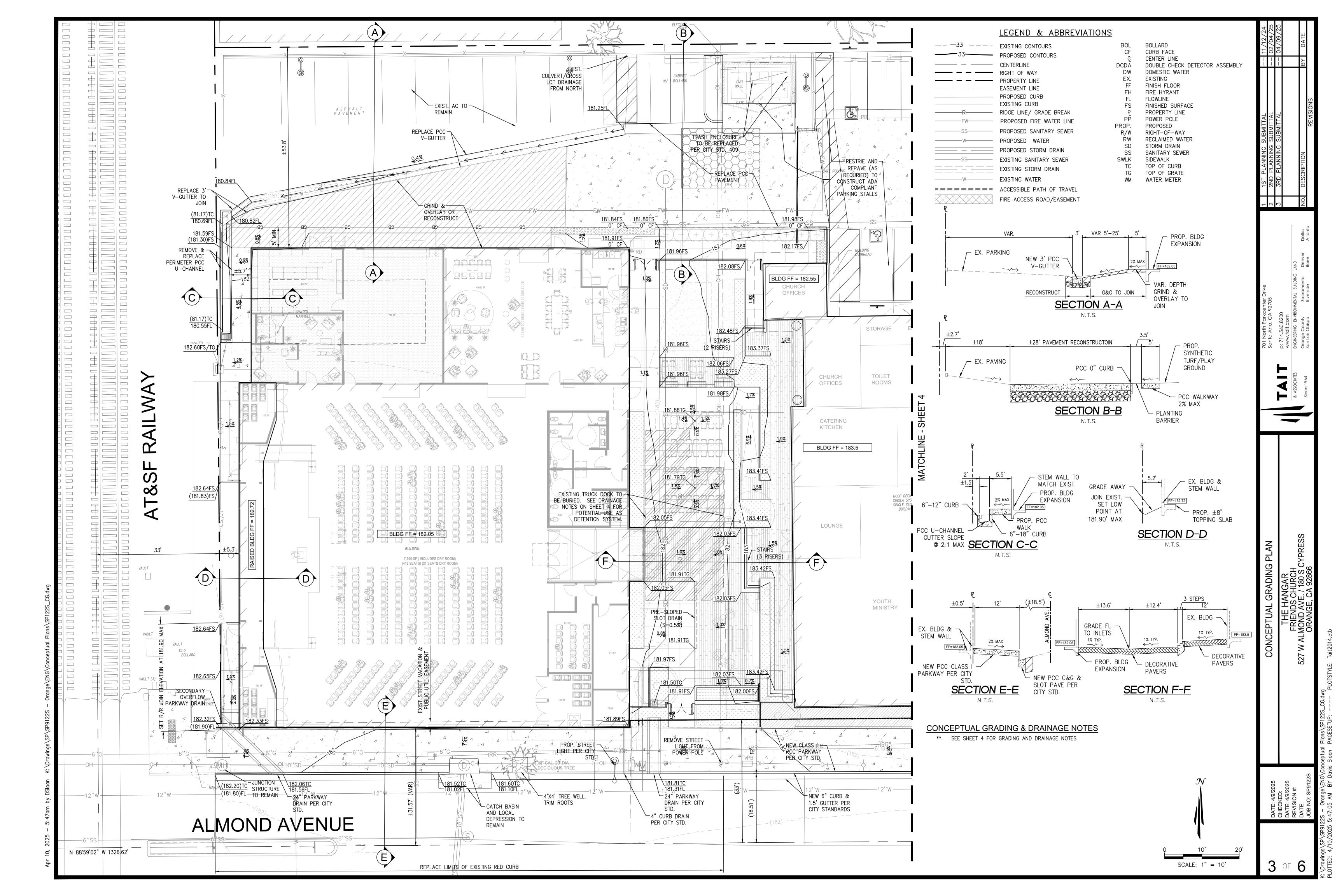
UTILITY STATEMENT:

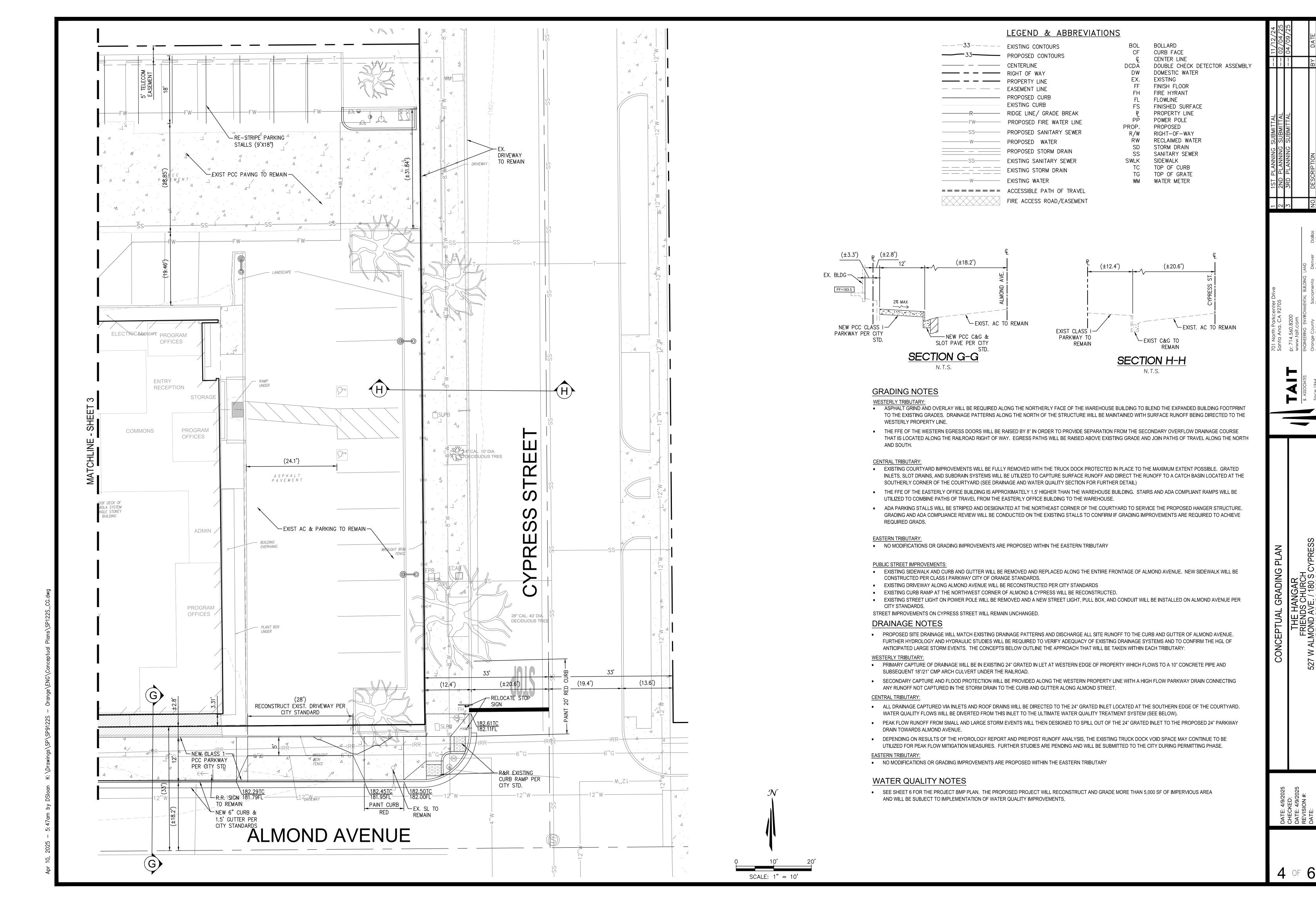
THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND

ENGINEER'S NOTE:

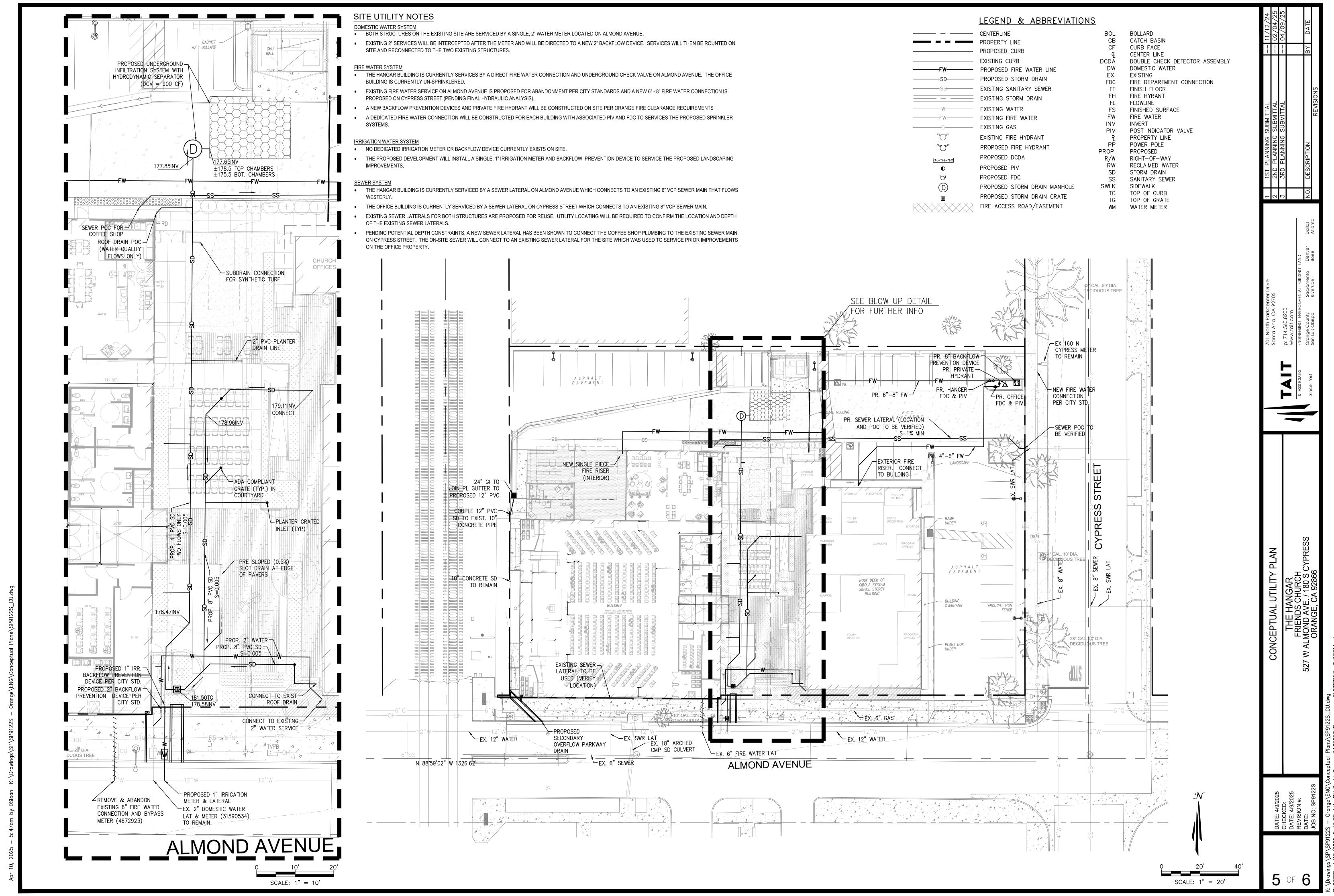
THE DEPICTED PROPERTY LINES ARE RECORD PROPERTY LINES AND DO NOT REPRESENT A BOUNDARY SURVEY. THE PURPOSE OF THIS EXHIBIT IS TO REVIEW THE PROPOSED SITE IMPACTS WITH AN OVERLAY OF THE RECORD BOUNDARY AND ENCUMBRANCES AS IDENTIFIED IN THE NOTED TITLE REPORT.

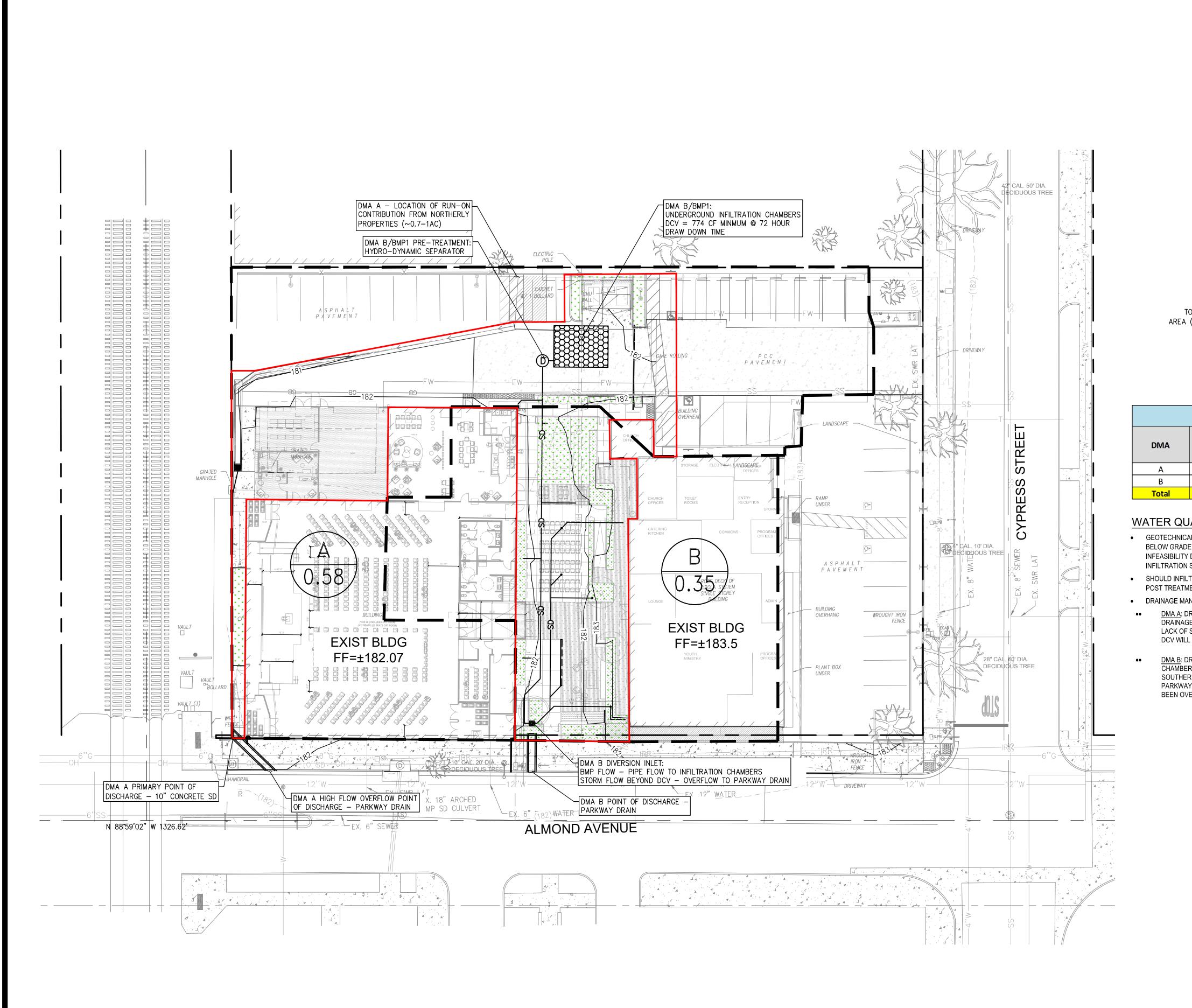




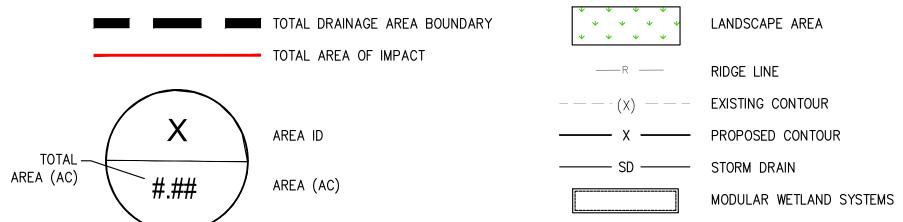


- Orange\ENG\Conceptual Plans\SP122S_CG.dwg :13 AM BY David Sloan PAGESETUP: ---- PLOTSTYLE: Tait2014.





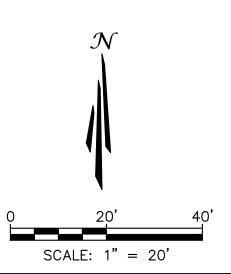
LEGEND:



DESIGN CAPTURE VOLUME									
DMA	DMA AREA (Ac)	DMA IMPACT area (sf)	DMA IMPACT Area (ac)*	85th percentile depth (in)	Pervious Area (sf)	Impervious Area (sf)	Percent Impervious	Runoff Coefficient	DCV (cf)
Α	0.58	8,930	0.21	0.8	495	8,435	94%	0.8584	511
В	0.35	5,570	0.13	0.8	1,428	4,142	74%	0.7077	263
Total	0.93	14,500	0.33	-	1,923	12,577	87%		774

WATER QUALITY NOTES

- GEOTECHNICAL REVIEW AND INFILTRATION STUDIES ARE PENDING. PRELIMINARY REVIEW HAS INDICATED GROUNDWATER IS APPROXIMATELY 10-20' BELOW GRADE AND MAY BE FEASIBLE HOWEVER, ADEQUATE CLEARANCE FROM EXISTING STRUCTURES AND PROPERTY LINES MAY RESULT IN AN INFEASIBILITY DETERMINATION. FOR THE PURPOSE OF THIS SUBMITTAL, A SCHEMATIC FOOTPRINT FOR A 900 CUBIC FOOT, OPEN BOTTOM INFILTRATION SYSTEM HAS BEEN SHOWN.
- SHOULD INFILTRATION BE DEEMED INFEASIBLE, PROPRIETARY FLOW BASED WATER QUALITY TREATMENT SYSTEMS WILL BE RECOMMENDED WITH
- POST TREATMENT WATER QUALITY FLOWS BEING PUMPED DIRECTLY TO THE CURB FACE VIA A NEW CURB DRAIN.
- DRAINAGE MANAGEMENT AREA NOTES:
- <u>DMA A:</u> DRAINAGE RECEIVES RUN-ON CONTRIBUTION FROM NORTHERLY PARCELS AND SURFACE FLOWS TO WESTERN PROPERTY LINE. DRAINAGE IS CAPTURED BY GRATED INLET AND CONVEYED TO PUBLIC STORM DRAIN SYSTEM VIA 10" CONCRETE STORM DRAIN PIPE. DUE TO LACK OF SPACE AND ABILITY TO OBTAIN CLEARANCES FROM EXISTING STRUCTURES, BMPs ARE NOT PROPOSED FOR DMA A AND THE REQUIRED DCV WILL BE CAPTURED AS PART OF AN EQUIVALENT TRANSFER IN DMA B.
- DMA B: DRAINAGE IS CAPTURED BY AREA/TRENCH/ROOF DRAINS AND DIRECTED TO A HYDRO-DYNAMIC SEPARATOR AND INFILTRATION CHAMBER VIA STORM DRAIN SYSTEM SIZED TO CONVEY THE 2 YEAR STORM. STORMS IN EXCESS OF THE 2 YEAR STORM WILL SPILL AT THE SOUTHERN PROPERTY LINE FROM A GRATED INLET AND WILL DISCHARGE TO THE PUBLIC CURB AND GUTTER ON ALMOND AVENUE VIA PARKWAY DRAIN. NOTE - DUE TO THE FACT THAT DMA B (0.35 AC) IS LARGER THAN THE TOTAL PROJECT DISTURBED AREA OF 0.33 AC,BMP 1 HAS BEEN OVERSIZED IN ORDER TO TREAT THE ENTIRE PROJECT DCV DUE TO CONSTRAINTS IN DMA A.



6 OF 6

CONCEPTUAL BMP