

Central Services
Joan Araujo, Director

Engineering Services
Christopher Cooper, Director

Roads & Transportation
David Fleisch, Director

Water & Sanitation
Joseph Pope, Director

Watershed Protection
Glenn Shephard, Director

20 January 2021

Ms. Amanda Fagan
Director of Planning & Policy
Ventura County Transportation Commission
751 E. Daily Drive, Suite 420
Camarillo, CA 93010

Subject: Airport Land Use Consistency Review Application for Ventura County Medical Center (VCMC) Fainer Helipad Replacement Project.

Dear Ms. Fagan:

We are submitting this application package for your review of the proposed heliport expansion on the roof of the Fainer building.

Discussion:

The Ventura County Aviation Unit has been flying Bell UH-1 “Huey” rescue helicopters for the last several decades. The Ventura County Sheriff’s Office and the Ventura County Fire Protection District have selected the Sikorsky Blackhawk as a replacement helicopter suitable for both rescue and fire suppression. The Blackhawk is larger and heavier than the Huey.

The current helipad at VCMC, built in 1982, is on the roof of the Fainer building. The helipad, the dimensions of which are 41 ft x 41 ft, was designed to carry a 16,000 pound helicopter. The proposed new helipad will be capable of supporting a 22,000 pound helicopter and the dimensions will be increased to 65 ft x 65 ft. The existing helipad will be demolished and the new helipad will be built in its place. The new helipad will be designed to meet current Office of Statewide Health Planning and Development (OSHPD) and Caltrans Division of Aeronautics code requirements.

This project consists of the replacement of an existing helipad structure on top of the existing Fainer building. The helicopter flight paths will remain the same. The number of helicopters landing on the helipad will not be increased beyond its current total, thus there is no expansion of existing use. Therefore, the project is categorically exempt from CEQA under State CEQA Guidelines, Section 15301 Class 1. Notice of Exemption



(NOE) has been filled through County Clerk's office and 30-day public review period ended on January 17, 2021.

We respectfully ask that you place this project on VCTC's February 5, 2020 agenda. If you have any questions or concerns, please contact me at (805) 658-4354.

Sincerely,

devi nallamala

Devi Nallamala, P.E
Project Manager

Attachments:

1. ALCU Application
2. Vicinity Map
3. CEQA Notice of Exemption
4. Project Drawings



**AIRPORT COMPREHENSIVE LAND USE PLAN
CONSISTENCY REVIEW APPLICATION**

FILING DATE: 01/20/2021

APPLICANT INFORMATION

NAME OF APPLICANT: Public Works Agency, Ventura County

ADDRESS: 800 South Victoria Ave, Ventura CA 93009

CONTACT PERSON: Devi Nallamala PHONE: 805-658-4354

PROJECT INFORMATION

PROJECT NAME: VCMC Fainer Helipad Replacement

PROJECT LOCATION: 300 Hillmont Ave, Ventura, CA

PROJECT DESCRIPTION: The project will replace the existing helipad (41 ft x 41 ft) on the roof of Ventura County Medical Center building with a new helipad (65 ft x 65 ft).

Please see the attached cover letter for full description.

EXISTING DESIGNATION: _____

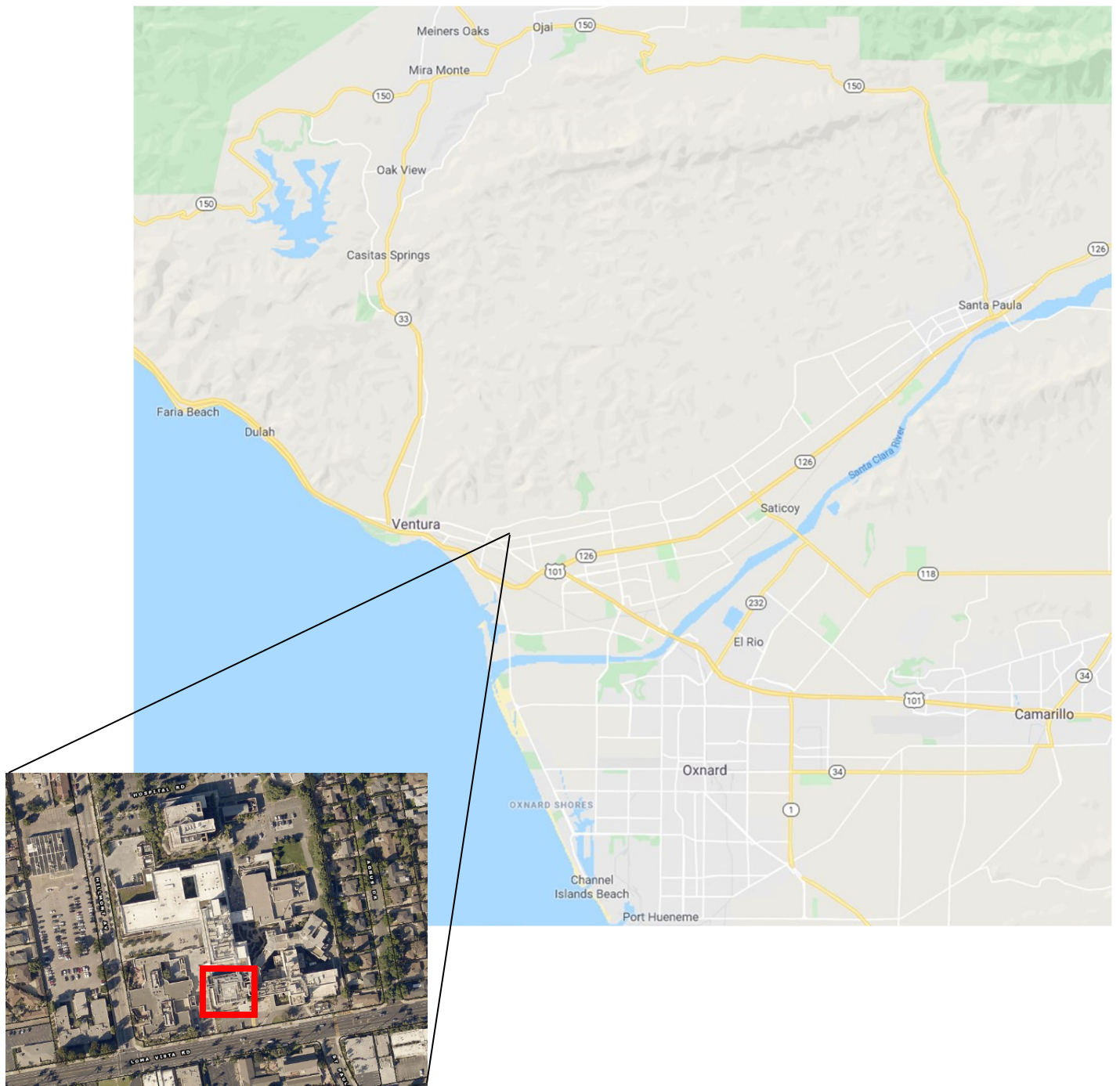
PROPOSED DESIGNATION: _____

ATTACHMENTS

- ☐ LOCAL AGENCY REFERRAL LETTER
- ☒ PROJECT MAPS
- ☐ BUILDING ELEVATIONS
- ☐ AIRCRAFT HAZARD & RISK ASSESSMENT
- ☒ ENVIRONMENTAL DOCUMENTATION (Notice of Exemption)
- ☐ APPLICATION FEE *(Waived for the Agency)*

ALUC USE ONLY

APPLICATION COMPLETION DATE: _____ INITIALS: _____



VENTURA COUNTY MEDICAL CENTER
FAINER BUILDING

VICINITY MAP

2020 ENVIRONMENTAL FILING FEE CASH RECEIPT

Complete the information and submit with each set of documents presented for filing. Please provide an original set and (3) three sets of copies for filing.



20201217-10017161-0 1/1

Ventura County Clerk and Recorder

MARK A. LUNN

12/17/2020 02:20:23 PM

1733733 \$50.00 MC

RECEIPT NUMBER:

STATE CLEARINGHOUSE NUMBER (If applicable)

LEAD AGENCY

Public Work Agency

LEAD AGENCY EMAIL

chris.cooper@ventura.org

DATE

12/17/2020

COUNTY/STATE AGENCY OF FILING

Ventura County, California

DOCUMENT NUMBER

PROJECT TITLE

VCMC Fainer Helipad Replacement

PROJECT APPLICANT NAME

Devi Nallamala

PROJECT APPLICANT EMAIL

devi.nallamala@ventura.org

PHONE NUMBER

805) 658-4354

PROJECT APPLICANT ADDRESS

800 S Victoria Ave

CITY

Ventura

STATE

CA

ZIP CODE

93003-1670

PROJECT APPLICANT (Check appropriate box)

☒ Local Public Agency ☐ School District ☐ Other Special District ☐ State Agency ☐ Private Entity

CHECK APPLICABLE FEES:

☐ Environmental Impact Report (EIR) \$3,343.25 \$ _____
☐ Mitigated/Negative Declaration (MND)(ND) \$2,406.75 \$ _____
☐ Certified Regulatory Program document (CRP) \$1,136.50 \$ _____

☒ Exempt from fee

☒ Notice of Exemption (attach)

☐ CDFW No Effect Determination (attach)

☐ Fee previously paid (attach previously issued cash receipt copy)

☐ Water Right Application or Petition Fee (State Water Resources Control Board only) \$850.00 \$ _____

☒ County documentary handling fee \$50.00 \$ **50.00**

☐ Other \$ _____

PAYMENT METHOD:

☐ Cash ☒ Credit ☐ Check ☐ Other

TOTAL RECEIVED \$ **50.00**

SIGNATURE

Devi Nallamala

AGENCY OF FILING PRINTED NAME AND TITLE

Devi Nallamala, Project Manager

Date

12/17/2020

Telephone Number

805-658-4354

DO NOT WRITE BELOW THIS LINE

The following will be completed by the County Clerk's Office

Signature of person receiving payment: Grace McVicker, Total Received: \$ **50.00**

Deputy County Clerk

Posted: **DEC 17 2020** through _____

NOTICE OF EXEMPTION

TO: COUNTY CLERK
COUNTY OF VENTURA

FROM: PUBLIC WORKS AGENCY
JEFF PRATT, DIRECTOR

Project Title- VCMC Fainer Helipad Replacement	
Project Location- 300 Hillmont Avenue, Ventura, CA 93003	
Project Location - City Ventura	Project Location - County Ventura County
Description of Nature: The purpose of this project is to replace the existing helipad on the roof of Fainer Building at VCMC. The existing helipad is 41ft x 41 ft and the proposed new helipad will be 65ft x 65ft. the proposed new helipad is required to accommodate new Blackhawk helicopters that will be replacing older Huey helicopters..	
Name of Public Agency Approving Project: County of Ventura	Date of Approval: December 15, 2020
Name of Person or Agency Carrying Out Project County of Ventura – Public Works Agency - Engineering Services	

Exempt Status: (Check One)

- ☐ No Impact (Sec. 15061(b)(3))
☐ Ministerial (Sec. 15268)
☐ Declared Emergency (Sec 15269 (a))
☐ Emergency Project (Sec 15269 (b) and (c))
☒ Categorical Exemption. State class and section number:
Section 15301-Class 1

FILED
DATE: DEC 17 2020
MARK A. LUNN
Ventura County Clerk and Recorder
By: Grace McVicker, Deputy

Furthermore, the proposed project is not located in a hazardous or critical environmental resource area, there are no significantly adverse cumulative impacts, and there are no unusual circumstances.

Reasons why project is exempt:

The proposed project is the replacement of an existing facility. There is no expansion of the current use.

Contact Person
Brian D'Anna

Area Code Telephone
Extension
(805)-654-2025

Date Received for Filing

POSTED
DEC 17 2020
MARK A. LUNN
Ventura County Clerk and Recorder
By: _____, Deputy

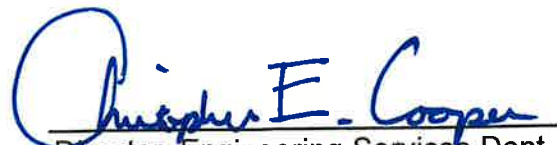
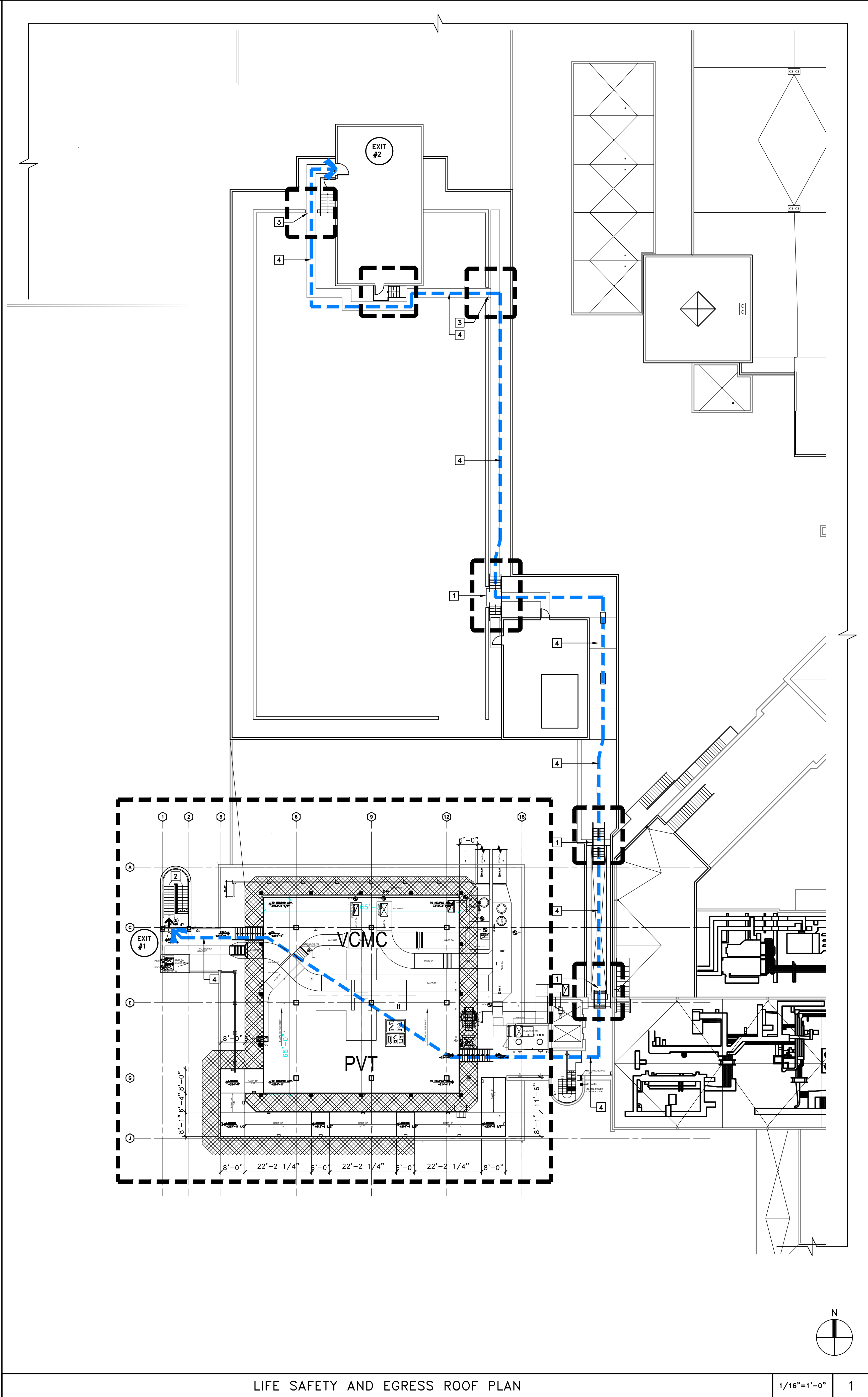

Director, Engineering Services Dept.

EXHIBIT 4

COUNTY OF VENTURA PUBLIC WORKS AGENCY														
VENTURA COUNTY MEDICAL CENTER HELIPAD REPLACEMENT														
300 HILLMONT AVENUE, VENTURA, CA 93003														
PROJECT NO: P6T19005 SPEC NO: CP21-TBD														
GENERAL NOTES			ABBREVIATIONS			SYMBOLS LEGEND			PROJECT NARRATIVE			SHEET INDEX		
GENERAL NOTES:			THE START OF THE WORK.									TITLE SHEETS		
1. THE CONTRACTOR SHALL VISIT THE SITE INCLUDING ALL AREAS INDICATED ON THE DRAWINGS TO THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS. CONTRACTOR SHALL VERIFY CONDITIONS AND DIMENSIONS AT JOB SITE PRIOR TO BIDDING AND START OF CONSTRUCTION. PRIOR TO INSPECTION OF THE EXISTING FACILITY, THE CONTRACTOR MUST RECEIVE PERMISSION FOR ACCESS FROM THE OWNER OR THE DESIGNATED REPRESENTATIVE. IF DISCREPANCIES ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION. CONTACT THE AGENCY TO CLARIFY ALL UNCLEAR DRAWING ITEMS PRIOR TO BIDDING. BY SUBMITTING A BID, THE CONTRACTOR ACCEPTS THE CONDITIONS UNDER WHICH HE SHALL BE REQUIRED TO PERFORM THE WORK.			FIRE PROTECTION AND EQUIPMENT:						THE TYPE OF APPROVAL TO BE ISSUED BY THE OSHPD FOR THIS PROJECT IS:			T-1.00 GENERAL NOTES, SHEET INDEX, VICINITY MAP, LEGEND		
2. MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CHECK WITH THE ARCHITECT'S ATTENTION FOR CLARIFICATION. WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE GENERAL CONTRACTOR AT HIS OWN EXPENSE, AND AT NO EXPENSE TO THE OWNER.			1. PRIOR TO SPRINKLER INSTALLATION, FIRE SPRINKLER CONTRACTOR SHALL SUBMIT PLANS TO THE ARCHITECT FOR REVIEW PRIOR TO SUBMITTING TO THE OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT.						<input type="checkbox"/> NON STRUCTURAL ALTERATION			T-2.00 LIFE SAFETY AND EGRESS ROOF PLAN		
3. DO NOT SCALE DRAWINGS. LARGER SCALE DRAWINGS GOVERN OVER SMALLER SCALE DRAWINGS.			2. PROVIDE FIRE EXTINGUISHERS WHERE INDICATED AND AS REQUIRED BY FIRE DEPARTMENT FIELD INSPECTOR.						<input type="checkbox"/> INCIDENTAL STRUCTURAL ALTERATION					
4. ABBREVIATIONS THROUGHOUT THE PLANS ARE THOSE IN COMMON USE. ARCHITECT SHALL DEFINE INTENT OF ANY IN QUESTION.			3. CONTRACTOR IS RESPONSIBLE FOR PROVIDING FIRE SPRINKLER SHOP DRAWINGS AND HYDRAULIC CALCULATIONS.						<input type="checkbox"/> INCIDENTAL STRUCTURAL ADDITION					
5. FINISH FLOOR ELEVATIONS ARE TO TOP OF CONCRETE, UNLESS OTHERWISE NOTED.			FIRE STOPPING:						<input type="checkbox"/> MINOR STRUCTURAL ALTERATION			A-1.00 OVERALL SITE PLAN		
6. CEILING HEIGHT DIMENSIONS ARE TO FINISHED SURFACE OF CEILING.			1. CONTRACTOR SHALL PROVIDE PROPER FIRE STOPPING AT FLOOR AND WALL PENETRATIONS FOR PLUMBING, ELECTRICAL AND FIRE SPRINKLER LINES AS REQUIRED PER THE APPROPRIATE UL DESIGN LISTING NUMBER.						<input type="checkbox"/> MINOR STRUCTURAL ADDITION			A-2.00 ROOF DEMOLITION PLAN		
7. WALL DIMENSIONS ARE TO FACE OF FINISH UNLESS NOTED OTHERWISE.			FIRE ALARM SYSTEM:						<input checked="" type="checkbox"/> MAJOR STRUCTURAL ALTERATION			A-2.01 HELIPAD DEMOLITION PLAN		
CONSTRUCTION NOTES:			1. THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF THE CALIFORNIA ELECTRICAL CODE. ALL REFERENCES TO FIRE ALARMS ON THESE DRAWINGS SHALL BE USED FOR BIDDING PURPOSES ONLY AND SHALL NOT BE USED FOR CONSTRUCTION.						<input type="checkbox"/> MAJOR STRUCTURAL ADDITION			A-2.30 ROOF PROPOSED PLAN		
1. DUCTS PENETRATING STUD WALLS SHALL BE PROVIDED WITH NECESSARY FRAMES AND BRACING AROUND THE OPENING.			2. FIRE ALARM SYSTEM SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD WHO SHALL REVIEW THEM AND FORWARD THEM TO OSHPD WITH A NOTATION INDICATING THE SHOP DRAWINGS HAVE BEEN REVIEWED AND HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN. THE RESPONSIBILITY FOR PREPARING AND SIGNING PLANS AND SPECIFICATIONS OR REPORTS FOR THE FIRE ALARM PORTIONS MAY BE DELEGATED BY THE ARCHITECT TO A PROFESSIONAL ENGINEER REGISTERED IN THE APPROPRIATE DISCIPLINE OF ENGINEERING.						PROJECT SCOPE			A-2.31 HELIPAD PROPOSED PLAN		
2. CONTRACTOR SHALL PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BACK-UP PLATES, AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF ALL CASEWORK, TOILET ACCESSORIES, AND FLOOR MOUNTED OR SUSPENDED MECHANICAL AND ELECTRICAL EQUIPMENT.			3. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED SHOP DRAWINGS PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN SUBMITTED AND APPROVED BY THE OSHPD FIRE MARSHAL.						PROVIDE A CLEAR AREA FOR THE LANDING AND TAKE-OFF FOR HELICOPTERS WHERE THE GUSTS OF AIR FROM THE HELICOPTER CAN SAFELY PASS UNINHIBITED.			A-2.40 ROOF TOP AND HELIPAD SECTIONS		
3. CONTACT BETWEEN DISSIMILAR METALS SHALL BE PROPERLY SEPARATED BY THE CONTRACTOR.			4. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.						1. REPLACE EXISTING ROOFTOP HELIPAD WITH LIGHTWEIGHT ALUMINUM NONCOMBUSTIBLE SLOPED PLATFORM EQUIPPED WITH FOAM SUPPRESSION SYSTEM AND SAFETY REQUIREMENT.			A-2.41 ROOF TOP AND HELIPAD SECTIONS		
4. ALL DUST, NOISE AND ODORS SHALL BE CONTROLLED PER OWNER'S REQUIREMENTS AND THOSE OF THE AHJ.			FIRE SPRINKLER NOTES:						2. MODIFY NORTHWEST EXISTING STAIR ENCLOSURE FROM 4TH FLOOR TO THE ROOF, EQUIPPED WITH STANDPIPE SYSTEM AND FIRE ALARM PULL STATION.			A-5.00 STAIR #1 DEMOLITION & PROPOSED PLANS AND SECTIONS		
5. REQUIRED EXITS SHALL NOT BE BLOCKED AT ANY TIME.			1. ALL REFERENCES TO FIRE SPRINKLER SYSTEMS, UNDERGROUND FIRE SERVICE MAINS, STANDPIPE SYSTEMS, OR SPECIAL FIRE SUPPRESSION SYSTEMS ON THESE DRAWINGS SHALL BE USED FOR BIDDING PURPOSES ONLY AND SHALL NOT BE USED FOR CONSTRUCTION.						HELICOPTER INFORMATION:					
6. THE CONTRACTOR SHALL PROTECT ALL FINISHED WORK AND SURFACES FROM DAMAGE DURING THE COURSE OF WORK AND SHALL REPLACE AND/OR REPAIR ALL DAMAGE CAUSED BY CONTRACTOR.			2. FIRE PROTECTION SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD WHO SHALL REVIEW THEM AND FORWARD THEM TO OSHPD WITH A NOTATION INDICATING THE SHOP DRAWINGS HAVE BEEN REVIEWED AND HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN. THE RESPONSIBILITY FOR PREPARING AND SIGNING PLANS AND SPECIFICATIONS OR REPORTS FOR THE FIRE ALARM PORTIONS MAY BE DELEGATED BY THE ARCHITECT TO A PROFESSIONAL ENGINEER REGISTERED IN THE APPROPRIATE DISCIPLINE OF ENGINEERING. THE INSTALLATION OF FIRE ALARM SYSTEMS SHALL NOT COMMENCE UNTIL THE SHOP DRAWINGS ARE APPROVED BY OSHPD.						HELICOPTER TYPE: SIKORSKY FIREHAWK NUMBER OF PROJECTED FLY: BASED ON PAST DATA NOISE LEVEL: RELATED MITIGATION MEASURES:					
7. UPON COMPLETION OF WORK, ALL CONSTRUCTION AREAS SHALL BE LEFT BROOM CLEAN AND FREE OF DEBRIS.			3. THE SPACING AND DETAILS OF THE SUPPORT AND BRACING OF FIRE SPRINKLER PIPING COMPLY WITH THE 2013 EDITION OF NFPA #13. U-TYPE HANGERS USED AS SWAY BRACINGS MUST NOT EXCEED 200. PROVIDE CALCULATION AND DETAILS FOR SUPPORT WHERE APPLICABLE. REFER TO OSHPD PRE-APPROVED ANCHORAGE NO. OPM-0052-13, THE "B-LINE/TOLCO" OR OTHER OSHPD PRE-APPROVED SYSTEM.						PROJECT DIRECTORY					
8. WHEN IT IS NECESSARY TO INTERRUPT ANY EXISTING UTILITY SERVICE, A MINIMUM OF 1 WORK ADVANCE NOTICE SHALL BE GIVEN TO THE OWNER. THE INTERRUPTIONS IN UTILITY SERVICES SHALL BE OF THE SHORTEST POSSIBLE DURATION FOR THE WORK AT HAND AND SHALL BE APPROVED IN ADVANCE BY THE OWNER.			4. THE AUTOMATIC SPRINKLER SYSTEM SHALL CONFORM TO THE REQUIREMENTS OF THE 2013 EDITION NFPA #13. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED WITH AN APPROVED MATERIAL PER CBC, SEC. 714. INSTALLATION OF THE SPRINKLER SYSTEM SHALL NOT BE STARTED UNTIL COMPLETE PLANS AND SPECIFICATIONS (INCLUDING WATER SUPPLY INFORMATION AND TYPE OF EXISTING SPRINKLER SYSTEM, IF ANY) HAVE BEEN APPROVED BY OSHPD. AT NO TIME SHALL THE SYSTEM BE TESTED IN THE PRESENCE OF THE ENFORCING AGENCY. OSHPD FIRE LIFE SAFETY OFFICER APPROVAL OF INSTALLATION IS REQUIRED.						ARCHITECT SWA ARCHITECTS 48 EAST HOLLY STREET PASADENA, CA 91103 CONTACT: TINA GO TEL: 626-793-9805 FAX: 626-793-9807			MECHANICAL ENGINEER 1920 MAIN STREET, SUITE 980 IRVINE, CA 92614 CONTACT: ARJAVAN MARZBANKERMANI TEL: 949-516-6480		
9. IN THE EVENT THE UTILITY SERVICE IS INTERRUPTED WITHOUT THE REQUIRED NOTICE THE CONTRACTOR SHALL BE FINANCIALLY LIABLE FOR ALL DAMAGES SUFFERED BY THE OWNER DUE TO THE UNAUTHORIZED INTERRUPTION. RECONNECTION SHALL BE MADE IMMEDIATELY.			INFECTION CONTROL:						STRUCTURAL ENGINEER JAMA SOUTHERN CALIFORNIA 950 SOUTH GRAND AVE., SUITE 400 LOS ANGELES, CA 90015 CONTACT: SHANE FITZGERALD TEL: 213-785-3161			ELECTRICAL ENGINEER MEP CALIFORNIA 1920 MAIN STREET, SUITE 980 IRVINE, CA 92614 CONTACT: SEYD YASREB TEL: 949-516-6480		
10. OWNER'S INSPECTOR: AN INSPECTOR EMPLOYED BY THE OWNER IN ACCORDANCE WITH TITLE 24, CCR, SHALL BE ASSIGNED TO INSPECT THE WORK. THE WORK OF CONSTRUCTION IN ALL STAGES OF PROGRESS SHALL BE SUBJECT TO THE PERSONAL, CONTINUOUS OBSERVATION OF THE INSPECTOR. HE SHALL HAVE FREE ACCESS TO ANY OR ALL PARTS OF THE WORK AT ANY TIME. THE CONTRACTOR SHALL FURNISH THE INSPECTOR REASONABLE FACILITIES FOR OBTAINING SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED WITH RESPECT TO THE PROGRESS AND MANNER OF THE WORK AND THE CHARACTER OF THE MATERIALS. INSPECTION OF THE WORK SHALL NOT RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO FULFILL THIS CONTRACT.			1. THE CONTRACTOR SHALL COMPLY WITH ALL INFECTION CONTROL POLICIES AND PROCEDURES ESTABLISHED BY THE HOSPITAL. INFECTION CONTROL PROCEDURES MUST BE REVIEWED AND UNDERSTOOD BY THE CONTRACTOR PRIOR TO BIDDING.						APPLICABLE CODES					
11. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF EXISTING HVAC FILTERS WITHIN THE AREA OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF AND, WHERE REQUIRED BY THE OSHPD AND/OR CITY FIRE MARSHALS, THE OPERATIONAL MAINTENANCE OF FIRE LIFE SAFETY DEVICES WITHIN THE AREA OF WORK. ALL FIRE PROTECTION SYSTEMS (SPRINKLERS, PULL BOXES, STAND PIPES, FIRE DAMPERS, EMERGENCY LIGHTS) SHALL BE KEPT IN SERVICE AND ACCESSIBLE AT ALL TIMES.			OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT:						APPLICABLE CODES CURRENT ADOPTED EDITIONS					
12. ONLY NEW ITEMS OF RECENT MANUFACTURE, OF THE QUALITY SPECIFIED, FREE FROM DEFECTS, SHALL BE PERMITTED IN THE WORK.			1. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO RECONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH CALIFORNIA BUILDING STANDARDS CODE, TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE APPROVED PLANS AND SPECIFICATIONS WHEREIN THE FINISHED WORK WOULD NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHPD BEFORE PROCEEDING WITH THE WORK.						1. 2019 CALIFORNIA ADMINISTRATIVE CODE (CAC) PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)			M-0.01 MECHANICAL COVERSHEET		
13. WHEN CONFLICTING INFORMATION IS FOUND IN THIS SET OF DRAWINGS AND SPECIFICATIONS, THE MOST RESTRICTIVE/COSTLY REQUIREMENT SHALL PREVAIL. AN RFI SHALL BE SENT TO THE ARCHITECT FOR CLARIFICATION. PRIOR TO CONSTRUCTION, IF THE GENERAL CONTRACTOR CHOOSES TO PROCEED WITH THE WORK WITHOUT CLARIFICATION FROM THE ARCHITECT, THE GENERAL CONTRACTOR SHALL BEAR ALL OF THE COST WITHOUT ADDITIONAL COST TO THE OWNER.			2. SAMPLES AND SPECIFICATIONS OF INTERIOR WALL AND CEILING FINISH MATERIALS SHALL COMPLY WITH CBC, SEC. 803 AND BE REVIEWED BY THE OSHPD FIELD INSPECTOR PRIOR TO INSTALLATION. TEST REPORTS FOR CARBON DIOXIDE CONFIRMING COMPLIANCE TESTING IN ACCORDANCE WITH NFPA 253 SHALL BE FURNISHED TO THE OSHPD BUILDING OFFICIAL UPON REQUEST.						2. 2019 CALIFORNIA BUILDING CODE (CBC) PART 2, TITLE 24 CCR BASED ON THE 2018 INTERNATIONAL BUILDING CODE (IBC)			M-0.02 SCHEDULES		
LIFE SAFETY:			3. CHANGES TO APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CHANGE ORDER APPROVED BY OSHPD, AS REQUIRED BY PART 1, TITLE 24 CCR.						3. 2019 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24, CCR BASE ON THE 2017 NATIONAL ELECTRICAL CODE (NEC)			M-2.00 BASEMENT EXISTING PLAN - MECHANICAL		
1. ALL EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. PANIC HARDWARE SHALL BE MOUNTED AT A HEIGHT OF NOT LESS THAN 54" OR MORE THAN 44" ABOVE THE FLOOR. THE UNLATCHING FORCE SHALL NOT EXCEED 15 POUNDS WHEN APPLIED IN THE DIRECTION OF EXIT.			4. PRE-APPROVED DETAILS: A COPY OF THE OSHPD PRE-APPROVED DOCUMENTS MUST BE MADE AVAILABLE AT THE JOB SITE AT ALL TIMES. WORK MUST BE PERFORMED IN STRICT ACCORDANCE WITH THE PRE-APPROVAL DOCUMENTS.						4. 2019 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24, CCR BASED ON THE 2018 UNIFORM MECHANICAL CODE (UMC)			M-2.01 FIRST FLOOR EXISTING PLAN - MECHANICAL		
2. ALL EXIT LIGHTING AND SIGNS TO HAVE MINIMUM 6-INCH HIGH LETTERS IN ACCORDANCE WITH CBC, SEC. 1011.6.1.			ANCHORAGE:						5. 2019 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24, CCR BASE ON THE 2018 UNIFORM PLUMBING CODE (UPC)			M-2.02 SECOND FLOOR EXISTING PLAN - MECHANICAL		
3. EMERGENCY LIGHTING SHALL BE PROVIDED GIVING A VALUE OF ONE FOOT CANDLE AT FLOOR LEVEL IN ALL EXIT CORRIDORS.			1. ANCHORAGE OF EQUIPMENT SHALL COMPLY WITH THE PROVISIONS OF TITLE 24, PART 2, CBC 2013, 1616A AND ASCE 7, CHAPTER 13 - LATERAL FORCE ON ELEMENTS OF STRUCTURES, NON-STRUCTURAL COMPONENTS & EQUIPMENT SUPPORTED BY STRUCTURES.						6. 2019 CALIFORNIA ENERGY CODE (CEC) PART 6, TITLE 24, CCR			M-2.03 ROOF TEMPORARY PLAN - MECHANICAL		
4. MAINTAIN 44 INCHES MINIMUM CLEARANCE TO ALL REQUIRED EXITS.			2. PIPES, DUCTS AND CONDUTIS SHALL BE SUPPORTED AND BRACED PER OSHPD ANCHORAGE PRE-APPROVAL NO. OPM-0052-13, THE "B-LINE/TOLCO" OR OTHER OSHPD PRE-APPROVED SYSTEM. SHOP DRAWINGS OF THE SUPPORT AND BRACING SYSTEMS PER THE PRE-APPROVAL SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW TO VERIFY DETAILS ARE IN CONFORMANCE WITH CODE REQUIREMENTS. SHOP DRAWINGS SHALL BE IN ACCORDANCE WITH ASCE 7, CHAPTER 13 AS MODIFIED BY 2013 CBC, SEC. 1616A.						7. 2019 CALIFORNIA FIRE CODE (CFC) PART 9, TITLE 24, CCR BASED ON THE 2015 INTERNATIONAL FIRE CODE (IFC)			M-2.04 ROOF DEMOLITION PLAN - MECHANICAL		
DRAWING SET:			3. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER DRIVEN PINS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRESTRESSED CONCRETE (PRE-OR POST-TENSIONED), LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.						8. 2016 NFPA 13 - STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS			M-2.10 ROOF PROPOSED PLAN - MECHANICAL		
1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COMPLETE SET OF CONTRACT DOCUMENTS, ADDENDA, DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL CHECK THE DRAWINGS OF THE OTHER TRADES AND SHALL CAREFULLY READ THE ENTIRE SPECIFICATIONS AND DETERMINE HIS RESPONSIBILITIES. FAILURE TO DO SO SHALL NOT RELIEVE THE CONTRACTOR FROM DOING THE WORK IN COMPLETE ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.			DEFERRED SUBMITTALS						9. 2017 NFPA 17 - STANDARD FOR DRY CHEMICAL EXTINGUISHER SYSTEMS					
2. THE PROJECT DRAWINGS AND SPECIFICATIONS COMPRISE A COMPLETE SET OF CONSTRUCTION DOCUMENTS AND SHALL NOT BE SPLIT NOR SEPARATED BY THE CONTRACTOR DURING BIDDING NOR CONSTRUCTION. PARTIAL DRAWING SETS SHALL NOT BE PERMITTED TO BE USED ON THE JOB SITE.			INSTALLATION OF THE FOLLOWING ITEMS SHALL NOT BE STARTED UNTIL DETAILED PLANS, SPECIFICATIONS AND ENGINEERING CALCULATIONS HAVE BEEN SUBMITTED TO AND APPROVED BY THE ARCHITECT OR ENGINEER OF RECORD AND OSHPD. THE ARCHITECT OR ENGINEER OF RECORD SHALL REVIEW AND FORWARD SUBMITTAL DOCUMENTS FOR DEFERRED ITEMS TO OSHPD WITH A NOTATION INDICATING THAT THE DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE PROJECT.						10. 2016 NFPA 72 - NATIONAL FIRE ALARM AND SIGNALING CODE					
AS-BUILT DRAWINGS:			1. FIRE ALARM						11. 2018 NFPA 99 - HEALTH CARE FACILITIES CODE					
1. THE CONTRACTOR SHALL PROVIDE AND KEEP UPDATED A COMPLETE RECORD SET OF DRAWINGS. THE RECORD DRAWINGS SHALL BE CORRECTED DAILY AND SHOW EVERY CHANGE FROM THE ORIGINAL DRAWINGS, NEATLY DELINEATED WITH CONTRASTING COLOR TO INCLUDE ACTUAL LOCATIONS OF CONCEALED WORK. THIS SET OF DRAWINGS SHALL BE KEPT ON THE JOB SITE AND SHALL BE MADE AVAILABLE BY THE CONTRACTOR FOR REVIEW BY THE OWNER, ARCHITECT OR INSPECTOR OF RECORD UPON REQUEST.			BUILDING DATA						* PER RECOMMENDATION OF FLISO, ALTERNATE METHOD OF COMPLIANCE IS INCLUDED FOR OSHPD PLAN CHECK REVIEW UNDER "SPECIAL CONDITIONS"					
2. CONTRACTOR'S RECORD SET DRAWINGS SHALL BE DELIVERED TO THE ARCHITECT UPON FINAL COMPLETION OF THE WORK SO THAT ARCHITECT MAY PREPARE RECORD SET PLANS FOR THE OWNER.			BLD-03440 - WEST TOWER, BLDG 19						AMENDED HELIPAD PERMIT, REGULATORY COMPLIANCE TASK:					
PHASING THE WORK:			BUILDING TYPE: TYPE I						1. FEDERAL AVIATION ADMINISTRATION AIRSPACE STUDY PER PART 157					
1. INTENT IS TO PERMIT THE OWNER'S CONTINUAL OPERATION OF FACILITIES DURING PROGRESS OF WORK. AT NO TIME SHALL ANY WORK INTERFERE WITH THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO THE OWNER'S NORMAL OPERATIONS WITHOUT ADVANCE NOTIFICATION PRIOR TO														



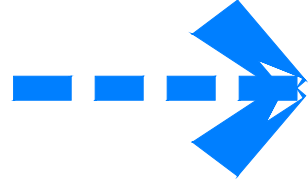
KEYNOTES – PROPOSED

#	DESCRIPTION	DETAIL
1	NEW CLOSED ALUMINUM STAIR WITH SLIP RESISTANT TREADS, BRIDGE AND RAILING SECURED TO ROOF DECK	
2	NEW CLOSED ALUMINUM STAIR WITH SLIP RESISTANT TREADS, LANDING AND RAILING SECURED TO ROOF DECK	
3	ENLARGE (E) OPENING (36") IN VISION SCREEN TO PROVIDE A 48" CLEAR OPENING. PATCH SURFACES.	
4	PATH OF TRAVEL	
5		
6		
7		
8		

LEGEND



AREA OF WORK



PATH OF TRAVEL



PUBLIC
WORKS

ENGINEERING SERVICES



48 east holly street
pasadena, ca 91103
tel: 626.793.9805 fax: 626.793.9807

PROFESSIONAL SEALS

PERMIT APPROVAL STAMP

PERMIT NO		OSHPD H123456-56-00
NO	REVISION	DATE
△	SD SUBMITTAL	10-19-2020
		</

PUBLIC WORKS PROJECT MANAGER

CONSULTANT PROJECT MANAGER	Project Manager Name
DRAWN BY	Name
CHECKED BY	Name
CONSULTANT JOB NO	DATE
123456-789	MM/DD/YYYY

PROJECT TITLE AND ADDRESS

VENTURA COUNTY
MEDICAL CENTER
HELIPAD
REPLACEMENT

300 HILLMONT AVE
VENTURA, CA 93003

COUNTY SPEC NUMBER	CP21-TBD
COUNTY PROJECT NUMBER	P6T19005
COUNTY DWG NO	SHEET
	2 of 10
SHEET TITLE	

LIFE SAFETY AND EGRESS
ROOF PLAN

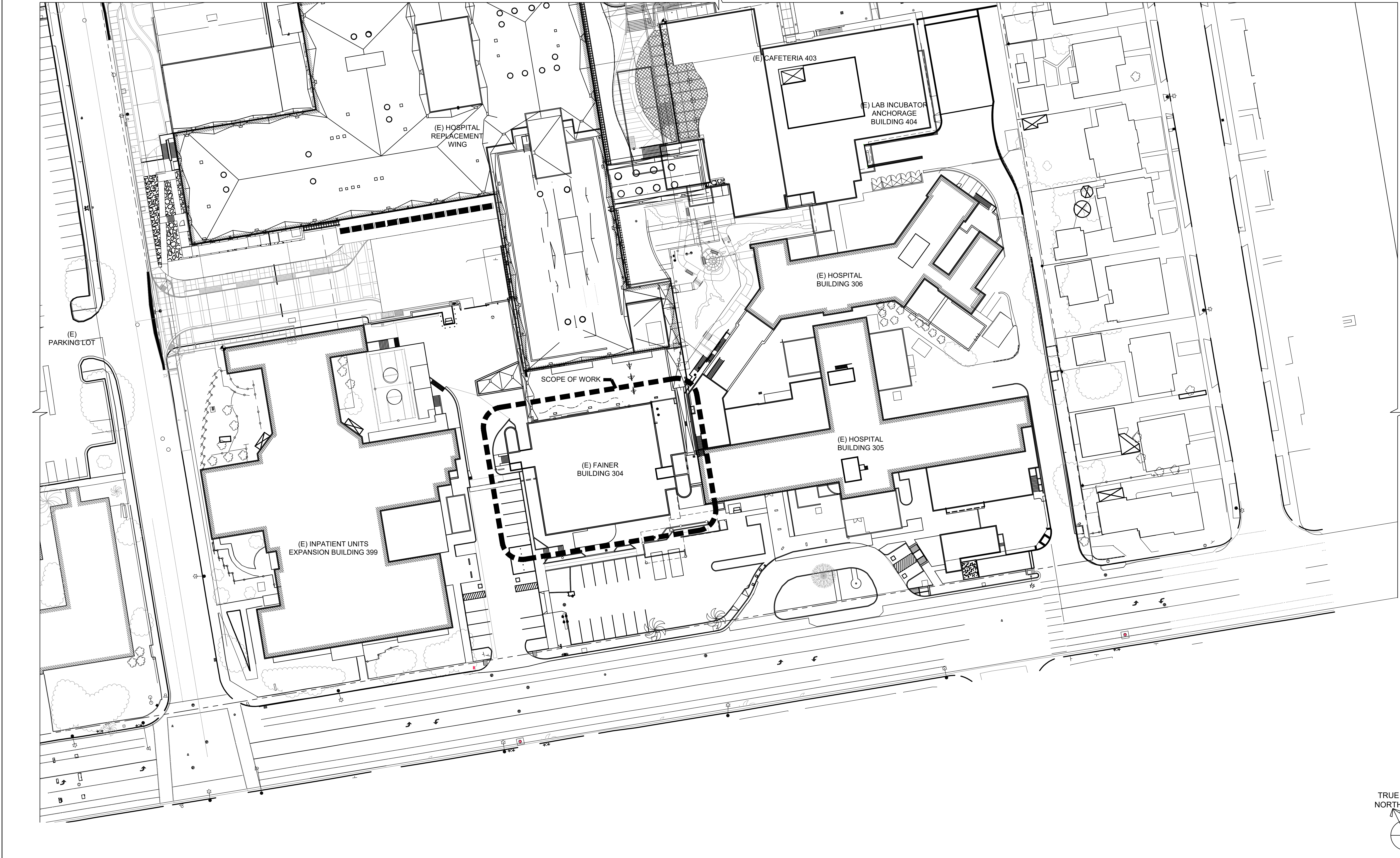
SHEET NO

T-2.00

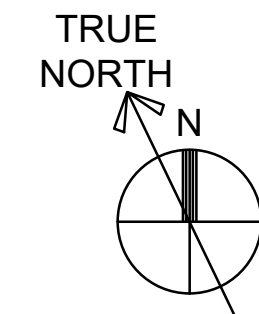
LIFE SAFETY AND EGRESS ROOF PLAN

1/16"=1'-0"

1




OVERALL SITE PLAN




1/32"=1'-0" 1

KEYNOTES - PROPOSED		
#	DESCRIPTION	DETAIL
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		



PUBLIC
WORKS
ENGINEERING SERVICES



48 east holly street
pasadena, ca 91103
tel: 626.793.9805 fax: 626.793.9807

PROFESSIONAL SEALS

PERMIT APPROVAL STAMP

PERMIT NO. OSHPD H123456-56-00		
NO.	REVISION	DATE
1	SD SUBMITTAL	10-19-2020
PUBLIC WORKS PROJECT MANAGER		

CONSULTANT PROJECT MANAGER
Project Manager Name

DRAWN BY
Name

CHECKED BY
Name

CONSULTANT JOB NO.
123456-789

DATE
MM/DD/YYYY

PROJECT TITLE AND ADDRESS

**VENTURA COUNTY
MEDICAL CENTER
HELIPAD
REPLACEMENT**

300 HILLMONT AVE
VENTURA, CA 93003

COUNTY SPEC NUMBER
CP21-TBD

COUNTY PROJECT NUMBER
P6T19005

COUNTY DWG NO.

SHEET
3 of 10

SHEET TITLE

PROFESSIONAL SEALS

PERMIT APPROVAL STAMP

PERMIT NO. OSHPD H123456-56-00		
NO.	REVISION	DATE
1	SD SUBMITTAL	10-19-2020

PUBLIC WORKS PROJECT MANAGER

CONSULTANT PROJECT MANAGER	
Project Manager Name	
DRAWN BY	CHECKED BY
Name	Name
CONSULTANT JOB NO.	DATE
123-456-789	MM/DD/YYYY

PROJECT TITLE AND ADDRESS

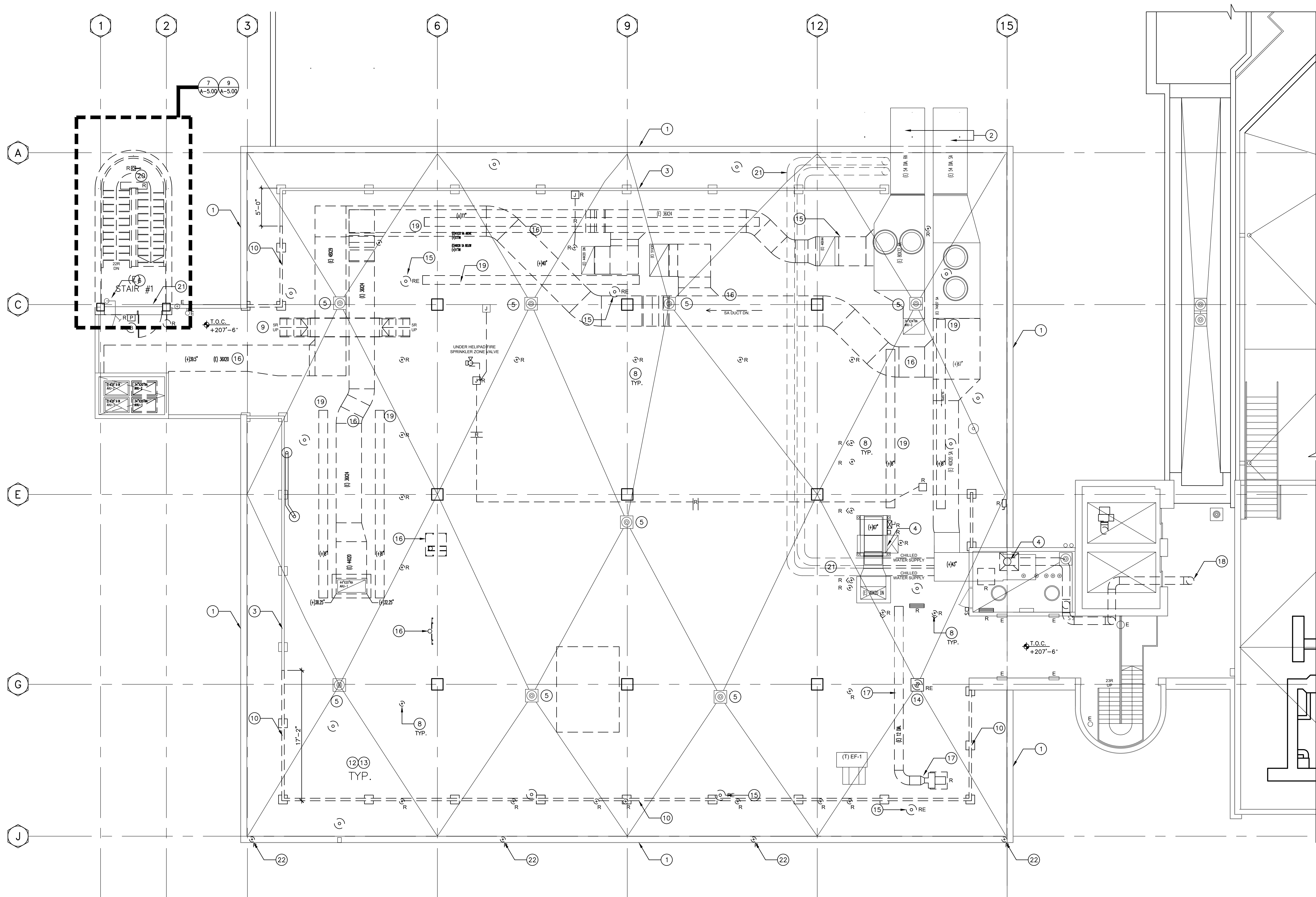
**VENTURA COUNTY
MEDICAL CENTER
HELIPAD
REPLACEMENT**

300 HILLMONT AVE
VENTURA, CA 93003
COUNTY SPEC NUMBER
CP21-TBD
COUNTY PROJECT NUMBER
P6T19005
COUNTY DWG NO. SHEET 4 of 10
SHEET TITLE

ROOF DEMOLITION
PLAN

SHEET NO.

A-2.00



ROOF DEMOLITION PLAN

3/16"=1'-0" 1

GENERAL NOTES

- REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING FOR ADDITIONAL INFORMATION.
- PRIOR TO ANY SCHEDULED DEMOLITION ON THE ROOF, THE CONTRACTOR WILL PROVIDE THIS WITHIN THE TIME FRAME AS OUTLINED BY HOSPITAL FACILITY GROUP. THIS INCLUDES ANY SHUTDOWNS, TESTING OF DEVICES/SYSTEMS, SPECIALTY INSPECTIONS WHERE THEY ARE DISRUPTION TO THE SERVICES OF THE BUILDING OR AREAS ASSOCIATED WITH SCOPE OF WORK FOR THIS PROJECT.
- ANY ITEM REMOVED OR MODIFIED ON ROOF SHALL ALSO HAVE ITS WATERPROOFING EVALUATED UP TO AN AREA 12" MIN. BEYOND, PATCH, FILL, REWORK, WATERPROOF, TO MATCH EXISTING ADJACENT AREA.
- THE ENTIRE ROOF SHALL BE RE-ROOFED AFTER ALL WORK IS COMPLETED.

KEYNOTES - DEMOLITION

#	DESCRIPTION	DETAIL
1	(E) PARAPET PROTECT IN PLACE	
2	(E) SUPPLY AND RETURN AIR DUCTWORK FOR BUILDING PROTECT IN PLACE	
3	(E) MECHANICAL SCREEN TO REMAIN/ PROTECT IN PLACE	
4	(E) EXHAUST FAN & DUCTWORK TO REMAIN/ PROTECT IN PLACE	
5	(E) ROOF DRAINS TO REMAIN/ PROTECT IN PLACE	
6	(E) FIRE RISER TO REMAIN/ PROTECT IN PLACE	
7	NOT USED	

KEYNOTES - DEMOLITION

#	DESCRIPTION	DETAIL
8	REMOVE ALL DECK AND (E) PERIMETER LIGHTS, FOR SCOPE AND AS INDICATE ON THE ELECTRICAL PLAN, SEE E-2.03	
9	REMOVE (E) HELIPAD, SUPPORTS, LADDER, & STAIRS TO ACCOMMODATE NEW WORK. PATCH, REPAIR AND WATERPROOF IN PREPARATION OF NEW ROOFING SYSTEM WATER-TIGHT	
10	REMOVE (E) MECHANICAL SCREEN AS NOTED TO ACCOMMODATE NEW WORK. PATCH, REPAIR AND WATERPROOF IN PREPARATION OF NEW ROOFING SYSTEM WATER-TIGHT	
11	REMOVE AND SALVAGE (E) FIRE EXTINGUISHER STATIONS. PATCH ROOFING SYSTEM WATER-TIGHT	
12	REMOVE (E) ROOFING SYSTEM AND ALL RELATED COMPONENTS. PROTECT-IN-PLACE. PATCH ROOFING SYSTEM WATER-TIGHT	
13	REMOVE ALL ABANDONED ROOF PENETRATIONS. PATCH ROOFING SYSTEM WATER-TIGHT	

KEYNOTES - DEMOLITION

#	DESCRIPTION	DETAIL
14	REMOVE (E) ROOF DRAIN AND TO BE RELOCATED, SEE PLUMBING PLAN. PATCH ROOFING SYSTEM WATER-TIGHT	
15	REMOVE (E) VENT THROUGH ROOF AND TO BE RELOCATED, SEE PLUMBING PLAN. PATCH ROOFING SYSTEM WATER-TIGHT	
16	REMOVE (E) DUCTWORK AND SUPPORTS REFER TO MECHANICAL FOR ADDITIONAL INFORMATION. PATCH ROOFING SYSTEM WATER-TIGHT	
17	REMOVE (E) ABANDONED EXHAUST FAN INCLUDING ALL ASSOCIATED EXHAUST DUCT ON THE ROOF REFER TO MECHANICAL DRAWINGS. PATCH ROOFING SYSTEM WATER-TIGHT	
18	REMOVE (E) ABANDONED EXHAUST FAN SERVING ELEVATOR EQUIPMENT ROOM REFER TO MECHANICAL DRAWINGS. PATCH ROOFING SYSTEM WATER-TIGHT	
19	REMOVE (E) EQUIPMENT RAILS. PATCH SURFACES	

KEYNOTES - DEMOLITION

#	DESCRIPTION	DETAIL
20	(E) ROOFTOP MOUNTED SECURITY CAMERA TO BE REMOVED AND SALVAGED FOR REUSE	
21	REMOVE (E) CONCRETE THRESHOLD AS NEED FOR STAIR #1 AT ROOF LEVEL	
22	REMOVE (E) RED COLOR OBSTRUCTION LIGHT MOUNTED ON (E) PARAPET WALL	
23	NOT USED	

PROFESSIONAL SEALS

PERMIT APPROVAL STAMP

PERMIT NO. OSHPD H123456-56-00		
NO.	REVISION	DATE
1	SD SUBMITTAL	10-19-2020

PUBLIC WORKS PROJECT MANAGER

CONSULTANT PROJECT MANAGER	
Project Manager Name	
DRAWN BY	CHECKED BY
Name	Name
CONSULTANT JOB NO.	DATE
123-456-789	MM/DD/YYYY

PROJECT TITLE AND ADDRESS

**VENTURA COUNTY
MEDICAL CENTER
HELIPAD
REPLACEMENT**

300 HILLMONT AVE
VENTURA, CA 93003

COUNTY SPEC NUMBER
CP21-TBD

COUNTY PROJECT NUMBER
P6T19005

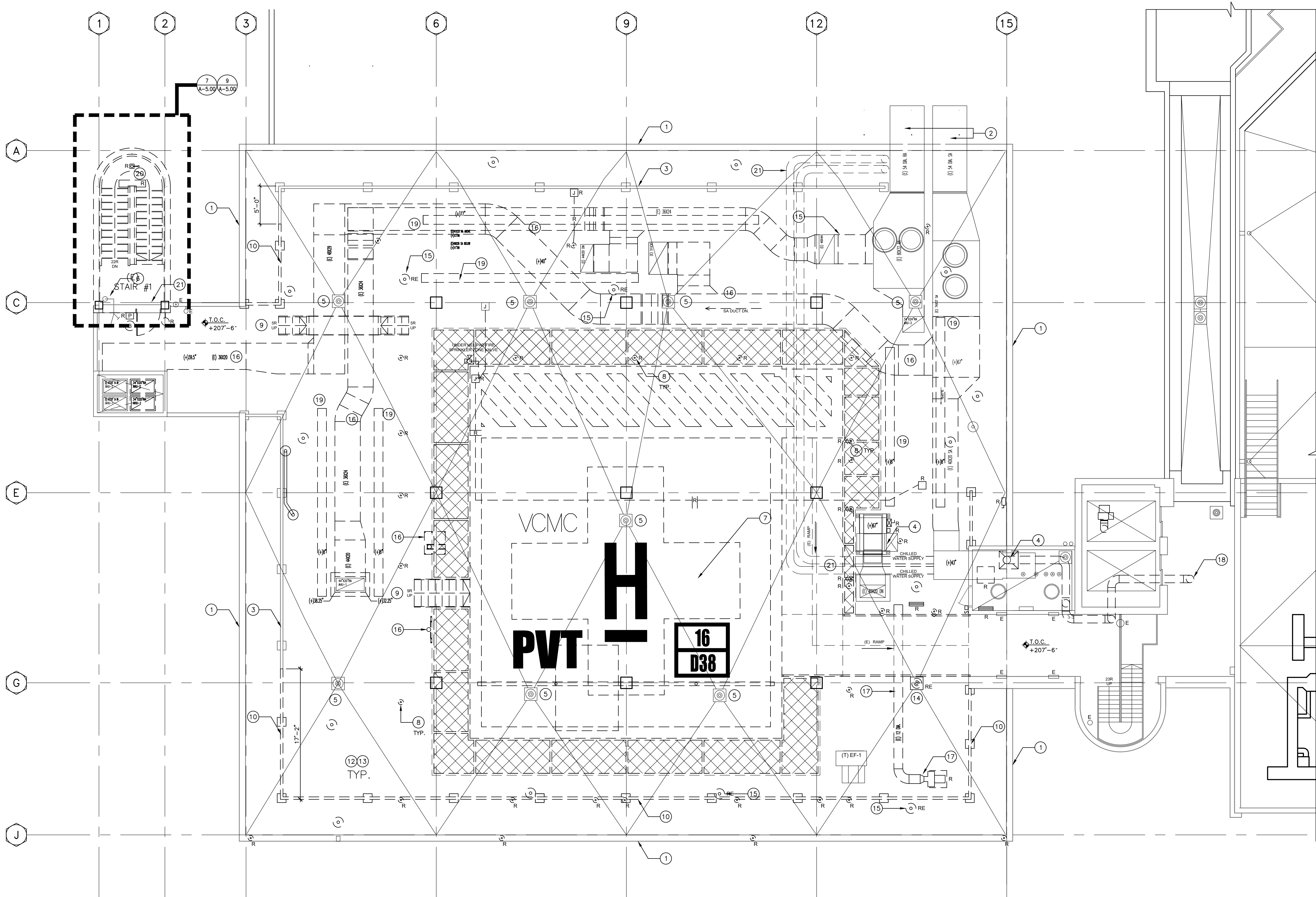
COUNTY DWG NO. SHEET 5 of 10

SHEET TITLE

HELIPAD DEMOLITION
PLAN

SHEET NO.

A-2.01



ROOF DEMOLITION PLAN

3/16"=1'-0" 1

GENERAL NOTES

- REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING FOR ADDITIONAL INFORMATION.
- PRIOR TO ANY SCHEDULED DEMOLITION ON THE ROOF, THE CONTRACTOR TO COORDINATE WITH HOSPITAL'S FACILITY GROUP. CONTRACTOR WILL PROVIDE THIS WITHIN THE TIME FRAME AS OUTLINED BY HOSPITAL FACILITY GROUP. THIS INCLUDES ANY SHUTDOWNS, TESTING OF DEVICES/SYSTEMS, SPECIALTY INSPECTIONS WHERE THEY ARE DISRUPTION TO THE SERVICES OF THE BUILDING OR AREAS ASSOCIATED WITH SCOPE OF WORK FOR THIS PROJECT.
- ANY ITEM REMOVED OR MODIFIED ON ROOF SHALL ALSO HAVE ITS WATERPROOFING EVALUATED UP TO AN AREA 12" MIN. BEYOND. PATCH, FILL, REWORK, WATERPROOF, TO MATCH EXISTING ADJACENT AREA.
- THE ENTIRE ROOF SHALL BE RE-ROOFED AFTER ALL WORK IS COMPLETED.

KEYNOTES - DEMOLITION

#	DESCRIPTION	DETAIL
1	(E) PARAPET PROTECT IN PLACE	
2	(E) SUPPLY AND RETURN AIR DUCTWORK FOR BUILDING PROTECT IN PLACE	
3	(E) MECHANICAL SCREEN TO REMAIN/ PROTECT IN PLACE	
4	(E) EXHAUST FAN & DUCTWORK TO REMAIN/ PROTECT IN PLACE	
5	(E) ROOF DRAINS TO REMAIN/ PROTECT IN PLACE	
6	(E) FIRE RISER TO REMAIN/ PROTECT IN PLACE	
7	REMOVE (E) HELIPAD, STRUCTURE AND RELATED COMPONENTS. SEE STRUCTURAL PLAN. PATCH ROOFING SYSTEM WATER-TIGHT	

KEYNOTES - DEMOLITION

#	DESCRIPTION	DETAIL
8	REMOVE ALL DECK AND (E) PERIMETER LIGHTS, FOR SCOPE AND AS INDICATE ON THE ELECTRICAL PLAN, SEE E-2.03	
9	REMOVE (E) HELIPAD, SUPPORTS, LADDER, & STAIRS TO ACCOMMODATE NEW WORK. PATCH, REPAIR AND WATERPROOF IN PREPARATION OF NEW ROOFING SYSTEM WATER-TIGHT	
10	REMOVE (E) MECHANICAL SCREEN AS NOTED TO ACCOMMODATE NEW WORK. PATCH, REPAIR AND WATERPROOF IN PREPARATION OF NEW ROOFING SYSTEM WATER-TIGHT	
11	REMOVE AND SALVAGE (E) FIRE EXTINGUISHER STATIONS. PATCH ROOFING SYSTEM WATER-TIGHT	
12	REMOVE (E) ROOFING SYSTEM AND ALL RELATED COMPONENTS. PROTECT-IN-PLACE. PATCH ROOFING SYSTEM WATER-TIGHT	
13	REMOVE ALL ABANDONED ROOF PENETRATIONS. PATCH ROOFING SYSTEM WATER-TIGHT	

KEYNOTES - DEMOLITION

#	DESCRIPTION	DETAIL
14	REMOVE (E) ROOF DRAIN AND TO BE RELOCATED, SEE PLUMBING PLAN. PATCH ROOFING SYSTEM WATER-TIGHT	
15	REMOVE (E) VENT THROUGH ROOF AND TO BE RELOCATED, SEE PLUMBING PLAN. PATCH ROOFING SYSTEM WATER-TIGHT	
16	REMOVE (E) DUCTWORK AND SUPPORTS REFER TO MECHANICAL FOR ADDITIONAL INFORMATION. PATCH ROOFING SYSTEM WATER-TIGHT	
17	REMOVE (E) ABANDONED EXHAUST FAN INCLUDING ALL ASSOCIATED EXHAUST DUCT ON THE ROOF REFER TO MECHANICAL DRAWINGS. PATCH ROOFING SYSTEM WATER-TIGHT	
18	REMOVE (E) ABANDONED EXHAUST FAN SERVING ELEVATOR EQUIPMENT ROOM REFER TO MECHANICAL DRAWINGS. PATCH ROOFING SYSTEM WATER-TIGHT	
19	REMOVE (E) EQUIPMENT RAILS. PATCH SURFACES	

KEYNOTES - DEMOLITION

#	DESCRIPTION	DETAIL
20	(E) ROOFTOP MOUNTED SECURITY CAMERA TO BE REMOVED AND SALVAGED FOR REUSE	
21	REMOVE (E) CONCRETE THRESHOLD AS NEED FOR STAIR #1 AT ROOF LEVEL	
22	REMOVE (E) RED COLOR OBSTRUCTION LIGHT MOUNTED ON (E) PARAPET WALL	
23	NO USED	

PROFESSIONAL SEALS

PERMIT APPROVAL STAMP

PERMIT NO. OSHPD H123456-56-00		
NO	REVISION	DATE
1	SD SUBMITTAL	10-19-2020

PUBLIC WORKS PROJECT MANAGER

CONSULTANT PROJECT MANAGER	
Project Manager Name	
DRAWN BY	CHECKED BY
Name	Name
CONSULTANT JOB NO	DATE
123-456-789	MM/DD/YYYY

PROJECT TITLE AND ADDRESS

**VENTURA COUNTY
MEDICAL CENTER
HELIPAD
REPLACEMENT**

300 HILLMONT AVE
VENTURA, CA 93003

COUNTY SPEC NUMBER
CP21-TBD

COUNTY PROJECT NUMBER
P6T19005

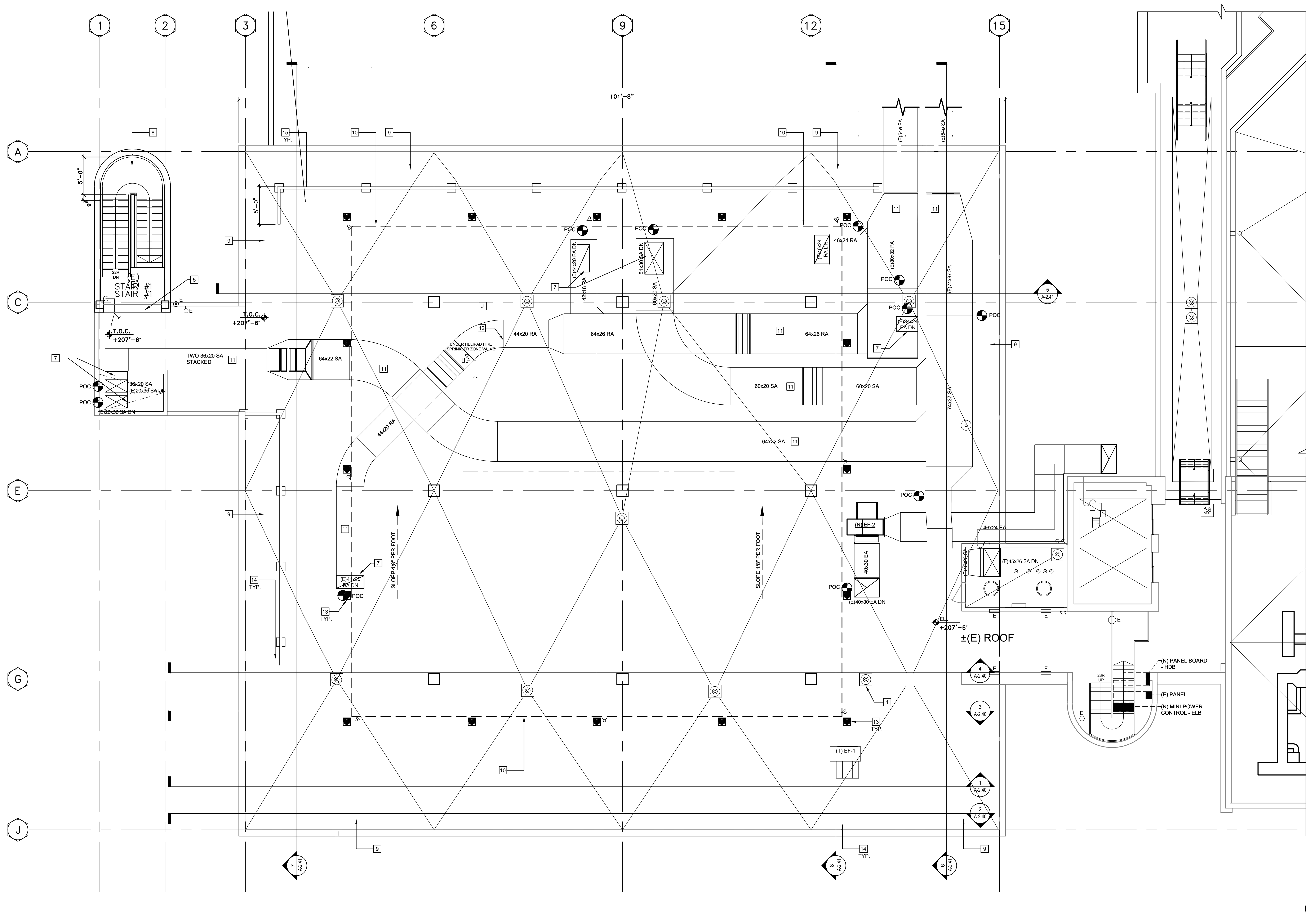
COUNTY DWG NO SHEET
6 of 10

SHEET TITLE

ROOF PROPOSED
PLAN

SHEET NO

A-2.30



ROOF PROPOSED PLAN

3/16"=1'-0"

1

GENERAL NOTES

1. THE FIELD ELEVATIONS IS DONE BY MEAT & HUNT, HELIPORT LAYOUT PLAN FOR VENTURA COUNTY CENTER ON 3/7/2017. USING 207'-6" AS THE FOR THE ROOF ELEVATION FOR THIS PROJECT.

KEYNOTES - PROPOSED

#	DESCRIPTION	DETAIL
1	NEW ROOF DRAIN. REFER TO PLUMBING FOR ADDITIONAL INFORMATION	
2	NOT USED	
3	NOT USED	
4	NOT USED	
5	REMOVE (E) CONCRETE THRESHOLD AS NEED FOR STAIR #1 AT ROOF LEVEL	
6	NOT USED	
7	REFER TO MECHANICAL DRAWINGS - REFER SHEETS M-2.04 AND M-2.10 FOR SCOPE	
8	(N) STAIRS TO ROOF LEVEL	
9	RE-ROOF ENTIRE ROOF INCLUDING INSULATION MEMBRANE, FLASHING AND SHEET METAL COMPONENTS	

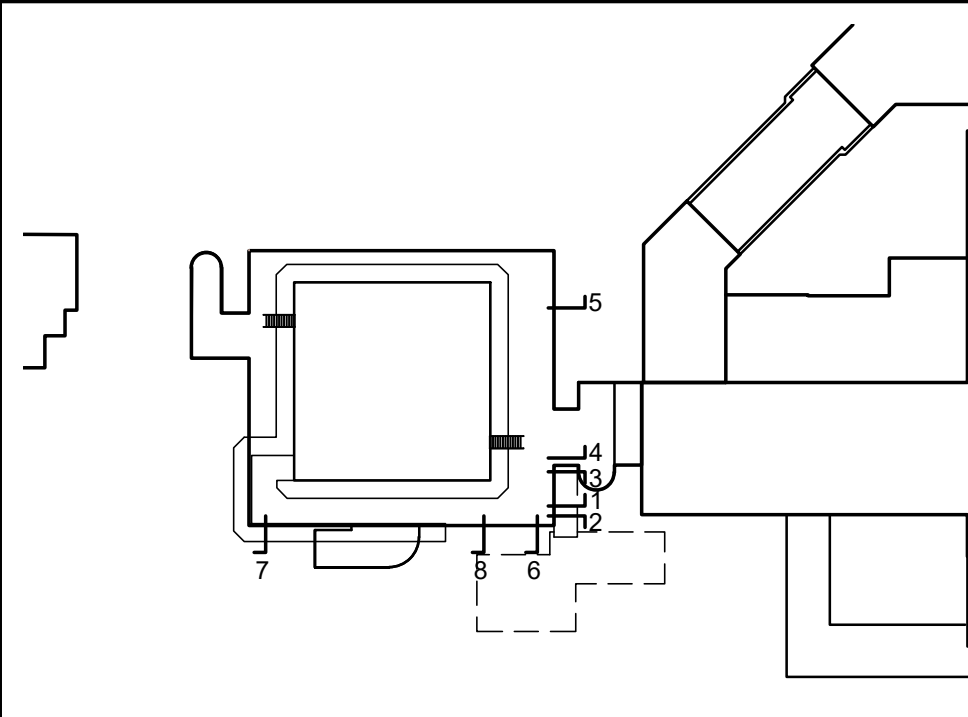
KEYNOTES - PROPOSED

#	DESCRIPTION	DETAIL
10	(N) HELIPAD LINE ABOVE	
11	MECHANICAL DUCTWORK - REFER TO SHEET M-2.10 FOR SCOPE	
12	NOT USED	
13	PERIMETER LIGHTS - REFER TO SHEET E-2.10 & H-1	
14	NOT USED	
15	METAL PANEL VISION SCREEN - TO MATCH W/ (E) PROFILE & COLOR	
16	NOT USED	
17	NOT USED	
18	NOT USED	

KEYNOTES - PROPOSED

#	DESCRIPTION	DETAIL
19	NOT USED	
20	NOT USED	

KEY PLAN



[illegible]

PUBLIC WORKS PROJECT MANAGER

CONSULTANT PROJECT MANAGER

Project Manager Name	
DRAWN BY	CHECKED

DRAWN BY	NAME	CHECKED

CONSULTANT JOB NO 123-456-789	DATE M
---	------------------

PROJECT TITLE AND ADDRESS	
---------------------------	--

VENTURA CO

**PERFORMA CC
MEDICAL CENTER**

MEDICAL CENTER

HELIPAD

PERLA GEMME

REPLACEMENT

300 HILLMONT AV.

300 HILLMONT AV.
VENTURA, CA 93003

COUNTY SPEC NUMBER

CP21-TBD

COUNTY PROJECT NUMBER
D4T10005

P6119005	
COUNTY DWG NO.	SHEET

COUNTY DWG NO	SHEET	<u>7</u>
---------------	-------	----------

SHEET TITLE

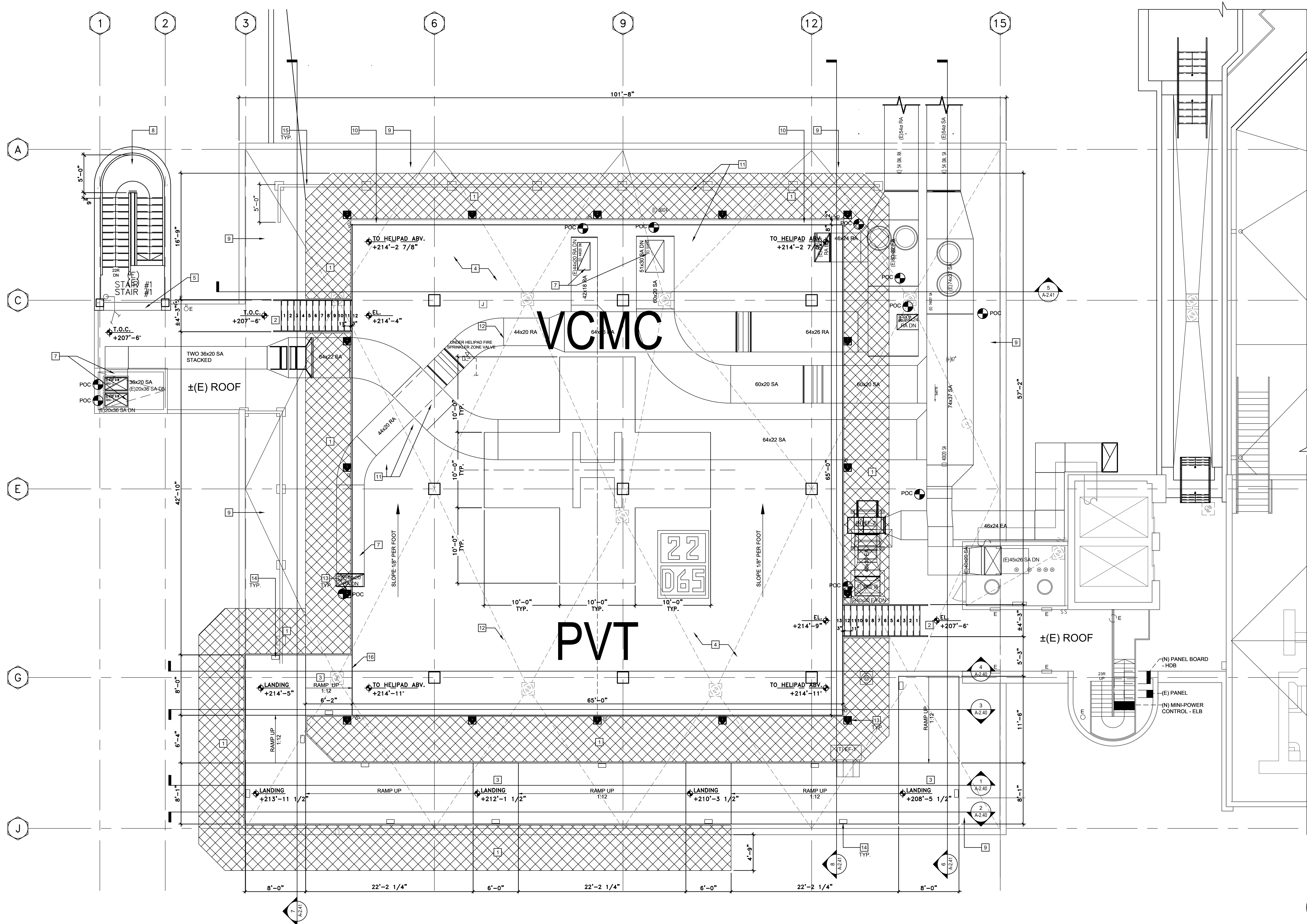
HELIPAD PROPOS

PLAN

PLAIN

SHEET NO _____


A-231

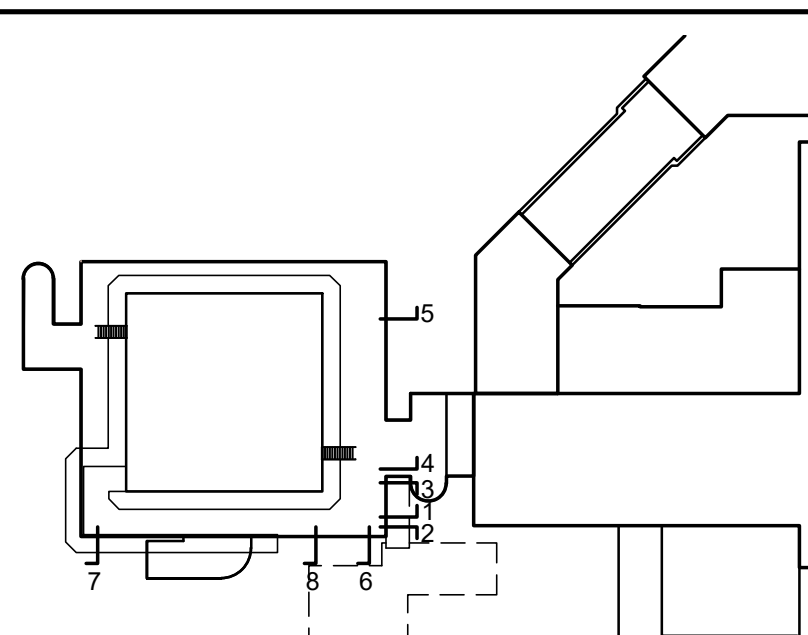
 $\Lambda = 2.51$ 

ROOF PROPOSED PLAN

$$3/16'' = 1'-0''$$

1

GENERAL NOTES		KEYNOTES - PROPOSED			KEYNOTES - PROPOSED			KEYNOTES - PROPOSED			KEY PLAN	
1. THE FIELD ELEVATIONS IS DONE BY MEAT & HUNT, HELIPORT LAYOUT PLAN FOR VENTURA COUNTY CENTER ON 3/7/2017. USING 207'-6" AS THE FOR THE ROOF ELEVATION FOR THIS PROJECT.	#	DESCRIPTION	DETAIL	#	DESCRIPTION	DETAIL	#	DESCRIPTION	DETAIL			
	11	(N) 6'-0" WIDE SAFETY NET		10	8" ALUMINUM GUTTER - REFER TO SHEET H-1		19					
	2	EMERGENCY EXIT STAIR FROM (N) HELIPAD - REFER TO SHEET H-1		11	MECHANICAL DUCTWORK - REFER TO SHEET M-2.10 FOR SCOPE		20					
	3	RAMP - REFER TO SHEET H-1 & S-1		12	REFER TO SHEET S-2.01 FOR STRUCTURAL FRAMING							
	4	NEW HELIPAD - REFER TO SHEET H-1 & S-1		13	PERIMETER LIGHTS - REFER TO SHEET E-2.10 & H-1							
	5	REMOVE (E) CONCRETE THRESHOLD AS NEED FOR STAIR #1 AT ROOF LEVEL		14	LED WALKWAY AT RAMP (FLOOD LIGHTS) - REFER TO SHEET E-2.10 & H-1							
	6	NOT USED		15	METAL PANEL VISION SCREEN - TO MATCH W/ (E) PROFILE & COLOR							
	7	REFER TO MECHANICAL DRAWINGS - REFER SHEETS M-2.04 AND M-2.10 FOR SCOPE		16	SEISMIC JOINT COVER, GES-200 BY CONSTRUCTION SPECIALIST OR EQUIVALENT							
	8	(N) STAIRS TO ROOF LEVEL		17								
	9	RE-ROOF ENTIRE ROOF INCLUDING INSULATION MEMBRANE, FLASHING AND SHEET METAL COMPONENTS		18								



PROFESSIONAL SEALS

PERMIT APPROVAL STAMP

PERMIT NO. OSHPD H123456-56-00		
NO.	REVISION	DATE
1	SD SUBMITTAL	10-19-2020

PUBLIC WORKS PROJECT MANAGER

CONSULTANT PROJECT MANAGER	
Project Manager Name	
DRAWN BY	CHECKED BY
Name	Name
CONSULTANT JOB NO.	DATE
123-456-789	MM/DD/YYYY

PROJECT TITLE AND ADDRESS

**VENTURA COUNTY
MEDICAL CENTER
HELIPAD
REPLACEMENT**

300 HILLMONT AVE
VENTURA, CA 93003

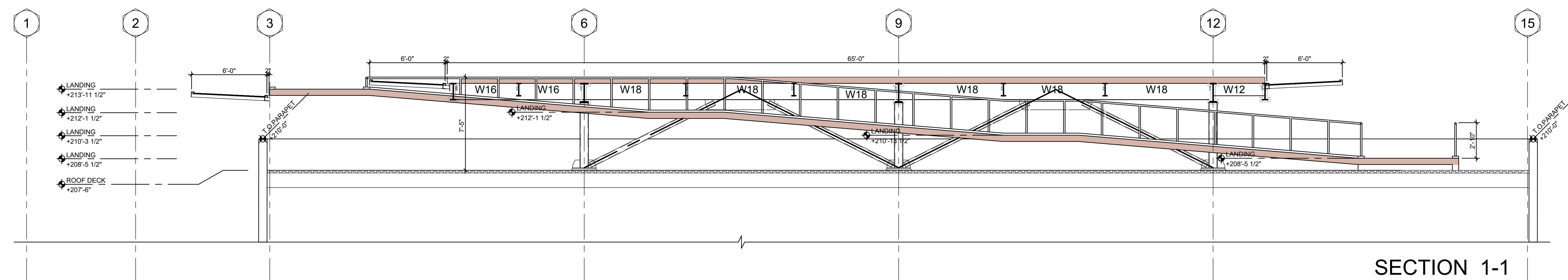
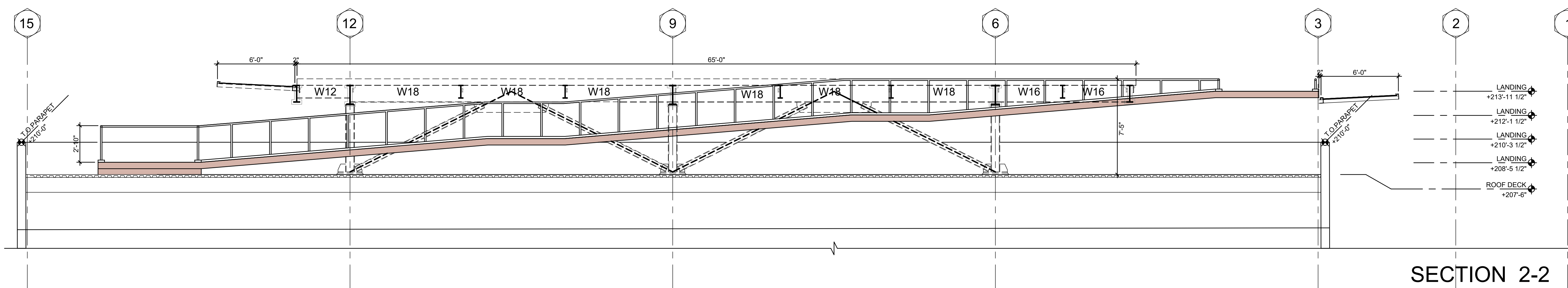
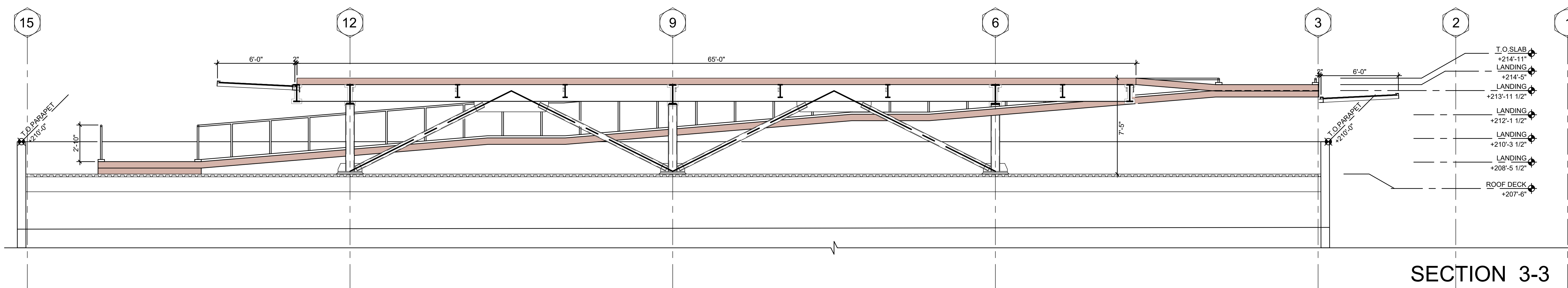
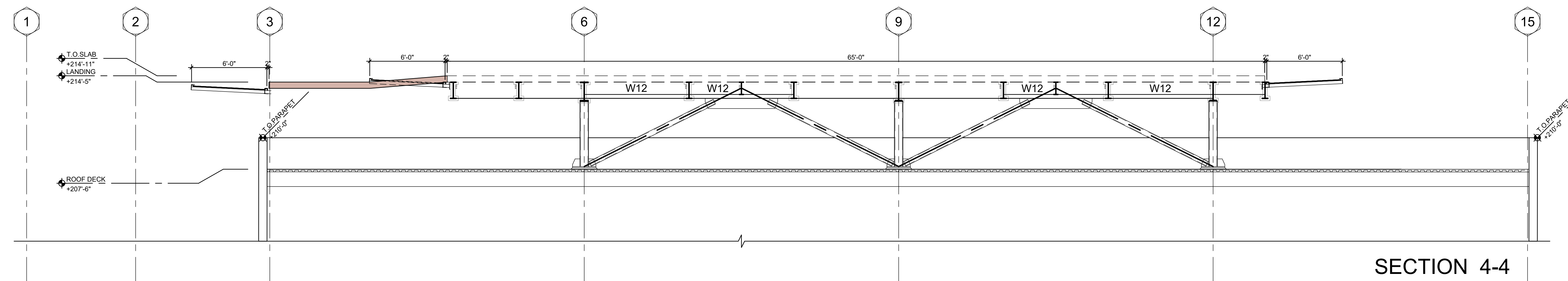
COUNTY SPEC NUMBER	CP21-TBD
COUNTY PROJECT NUMBER	P6T19005
COUNTY DWG NO.	SHEET 8 OF 10

SHEET TITLE

ROOF TOP AND
HELIPAD SECTIONS

SHEET NO

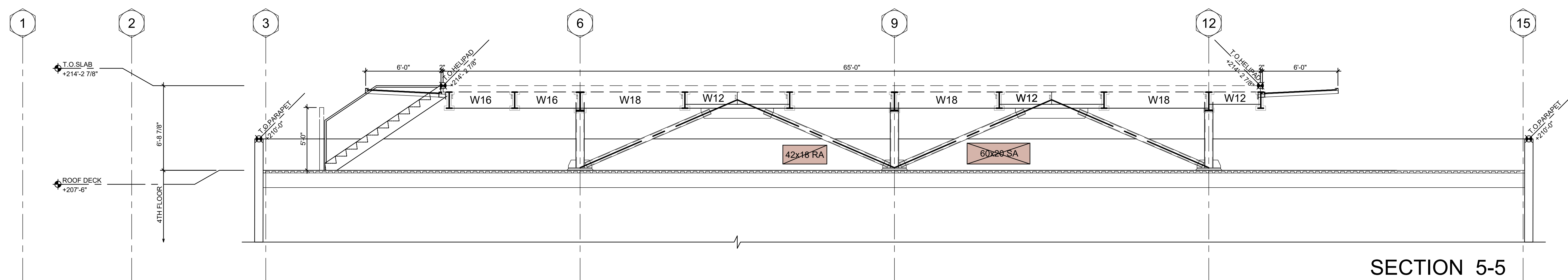
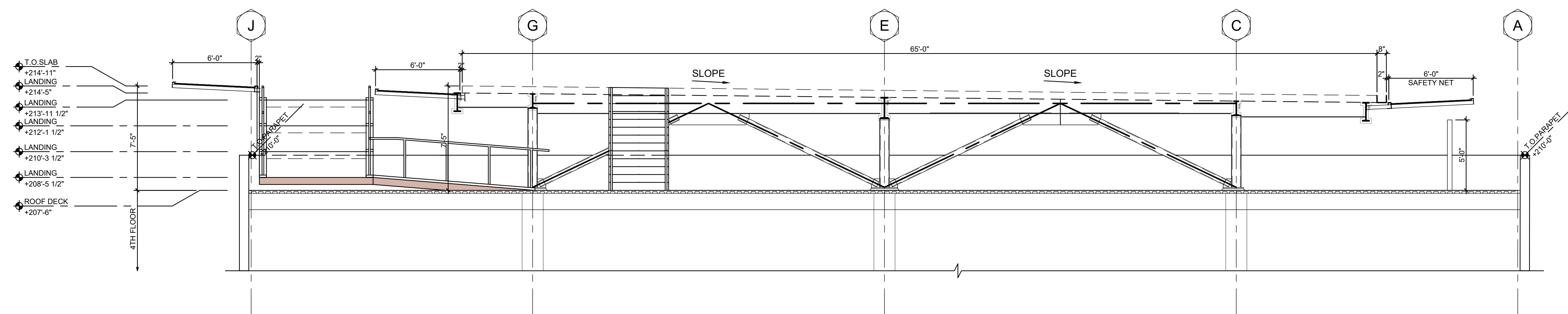
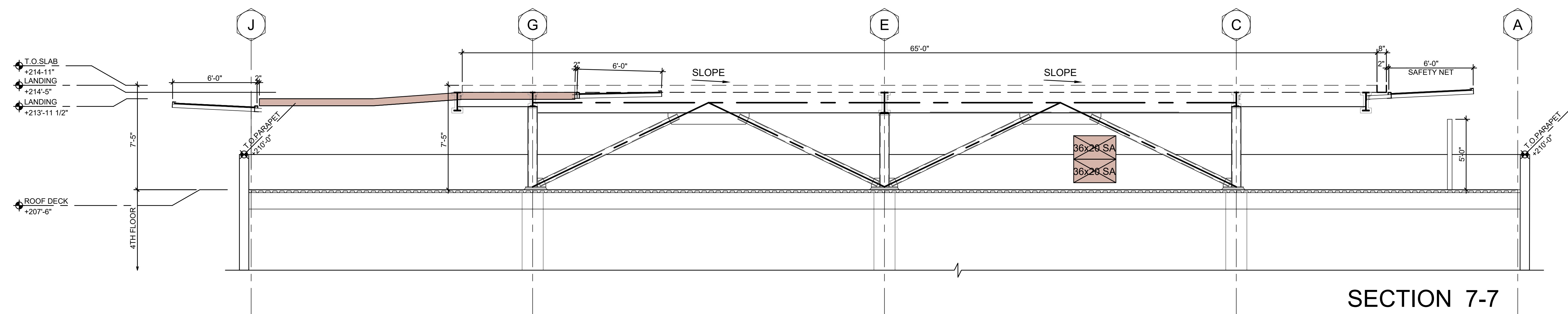
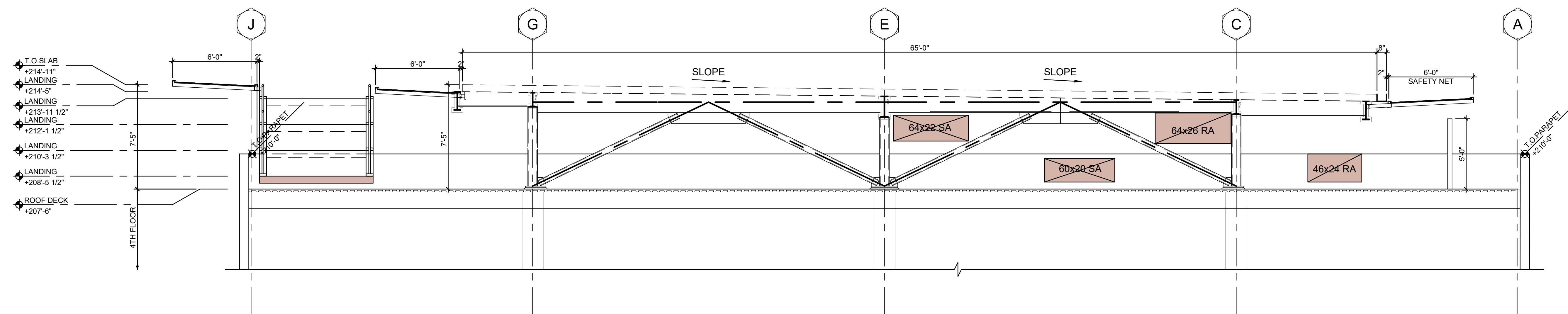
A-2.40



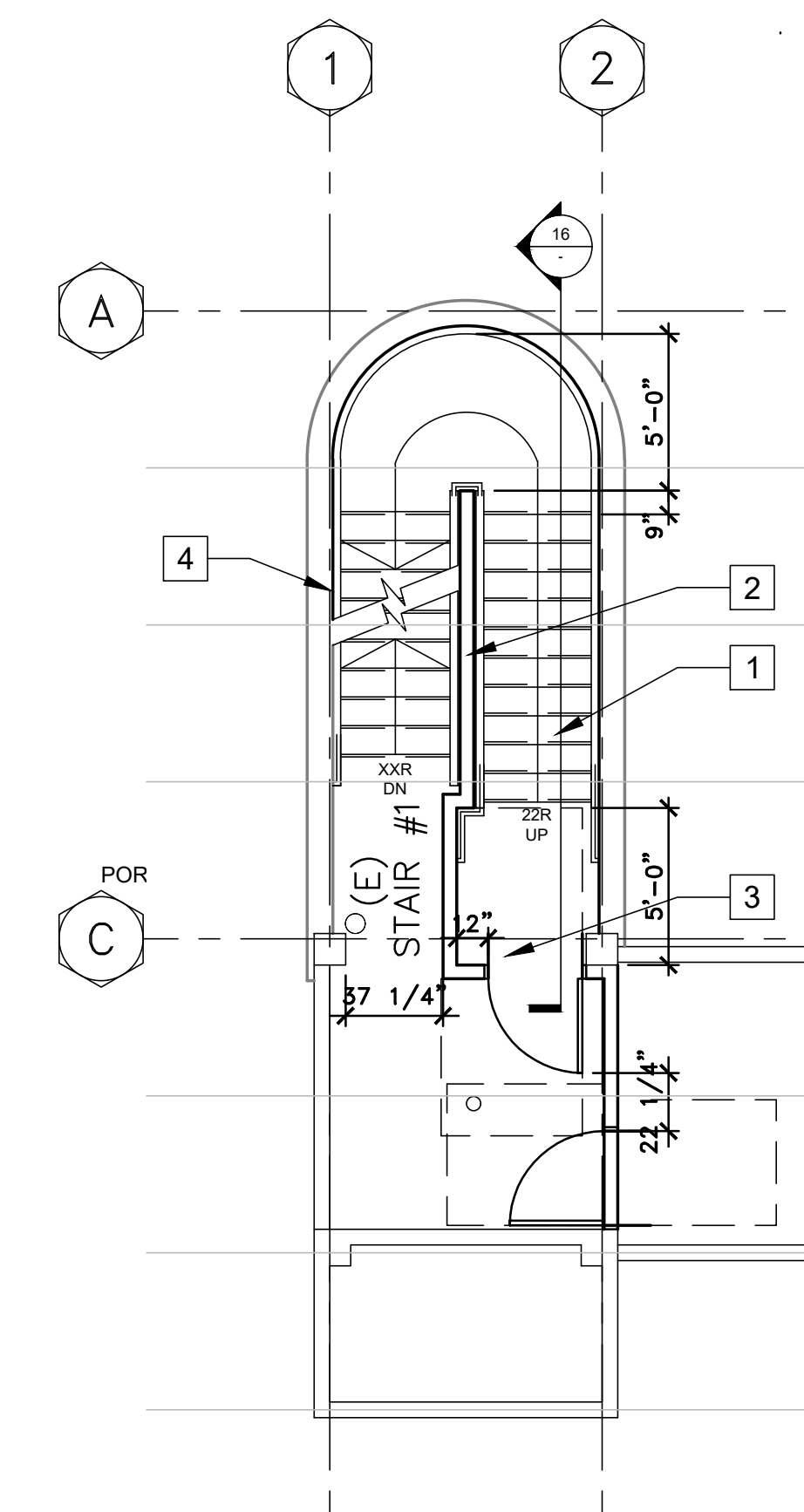
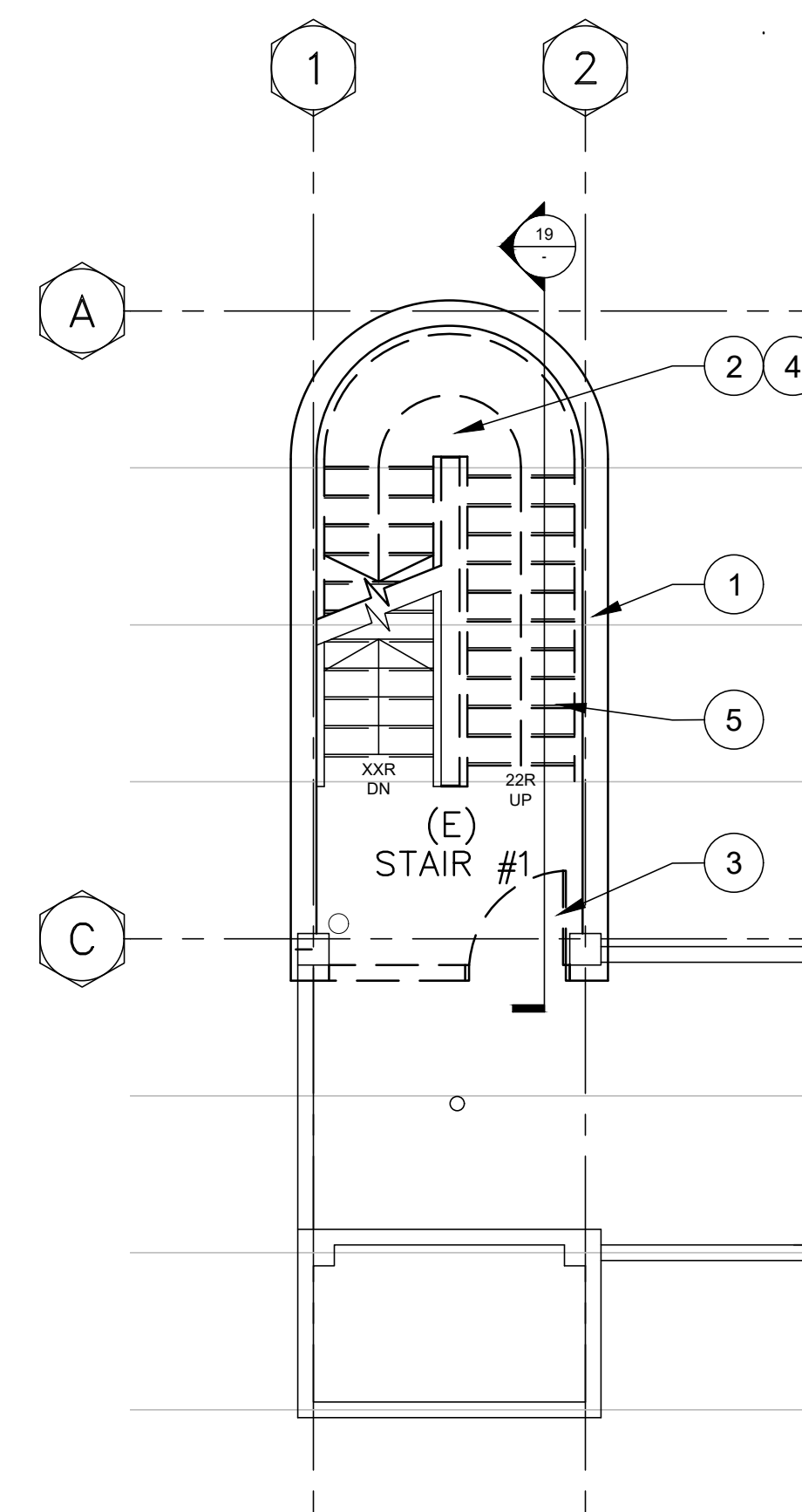
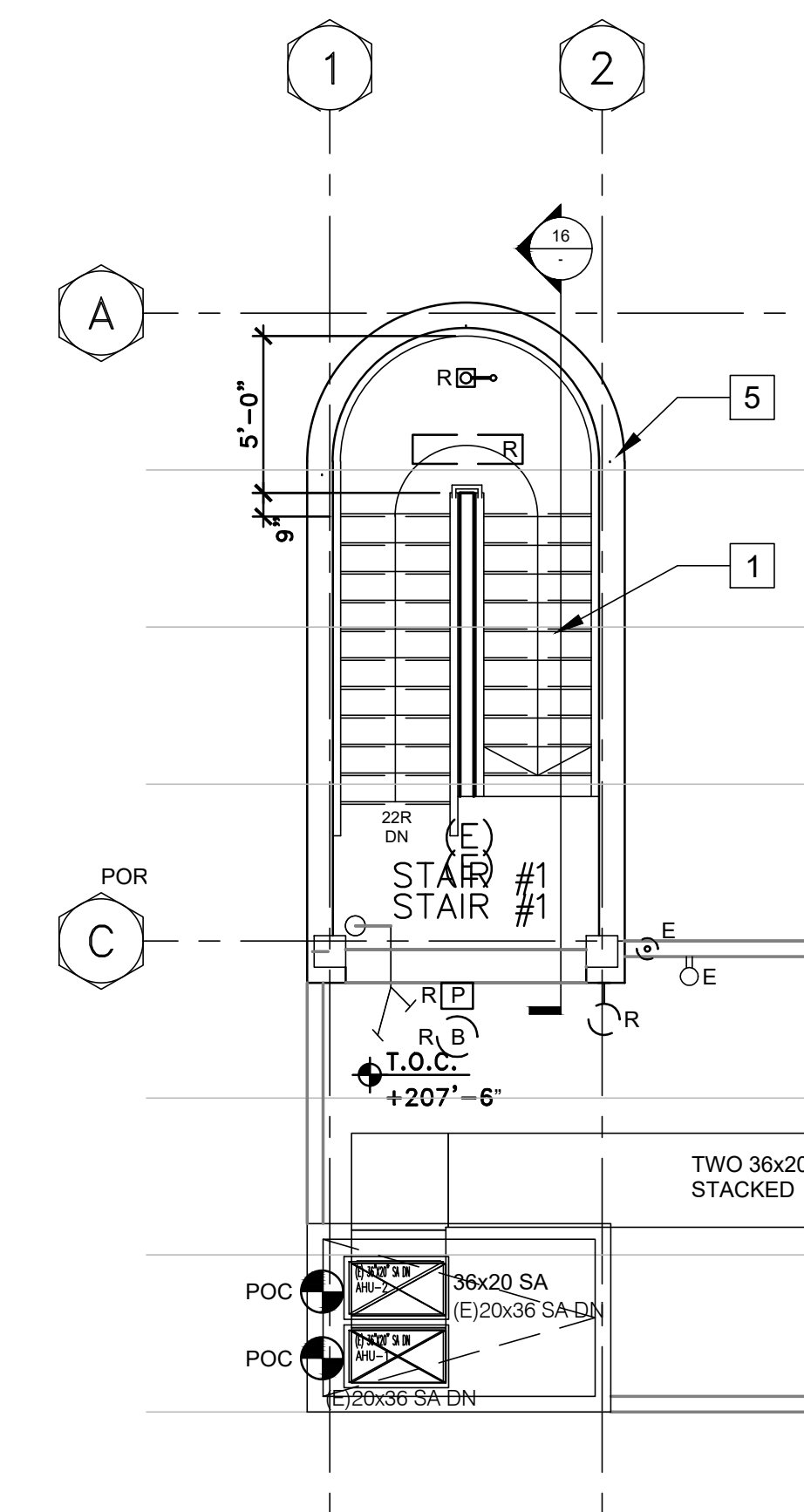
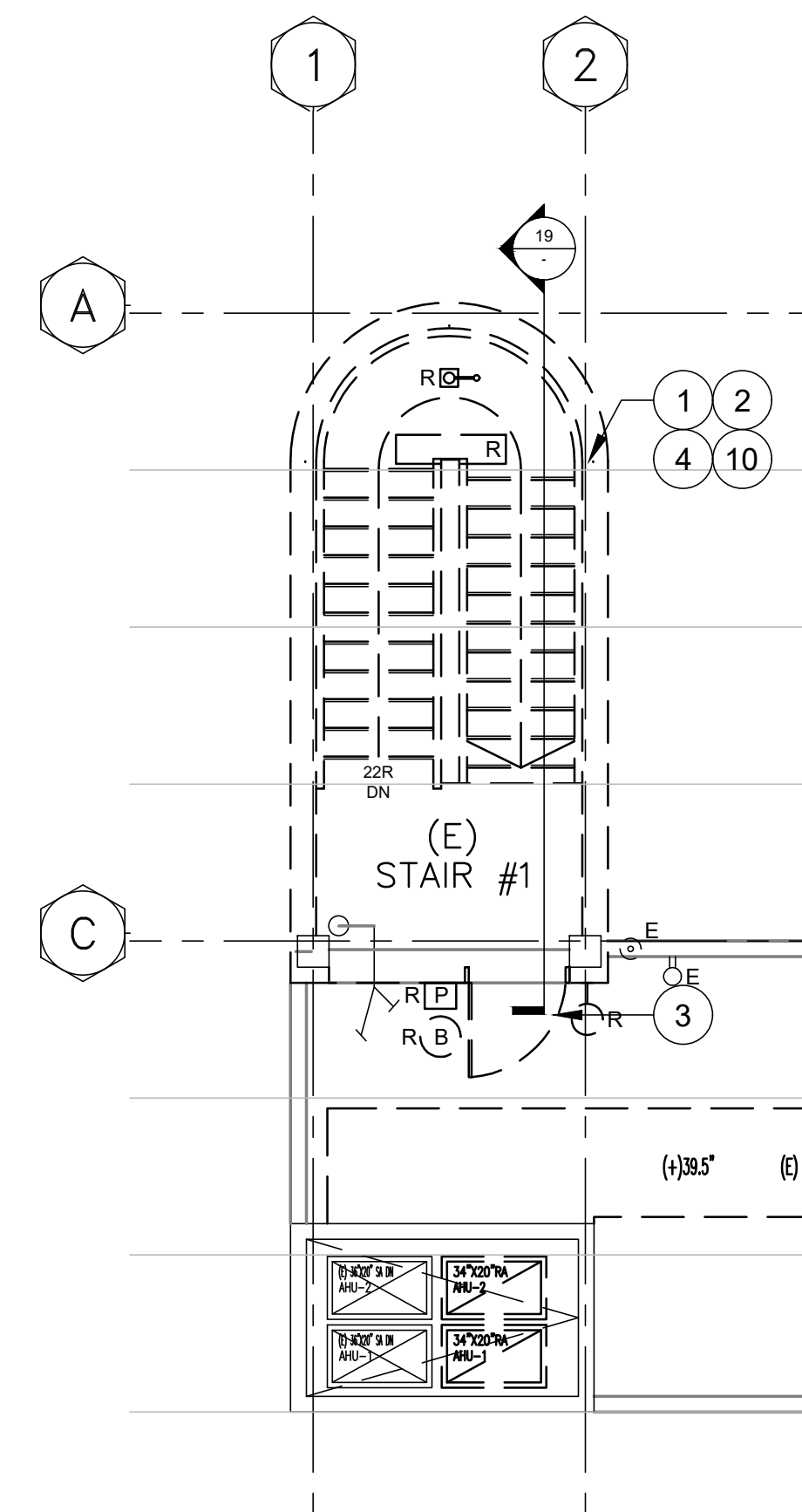
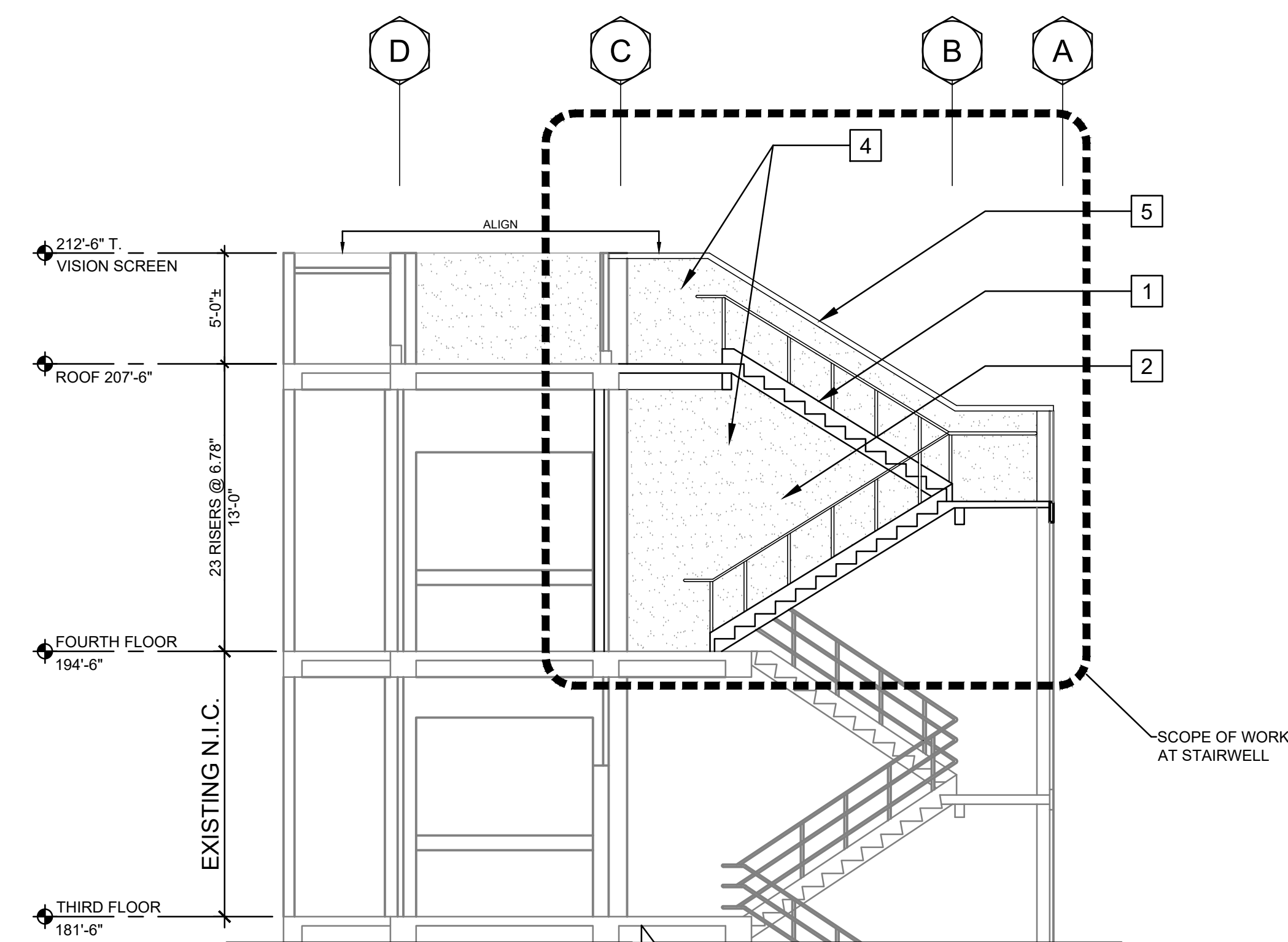
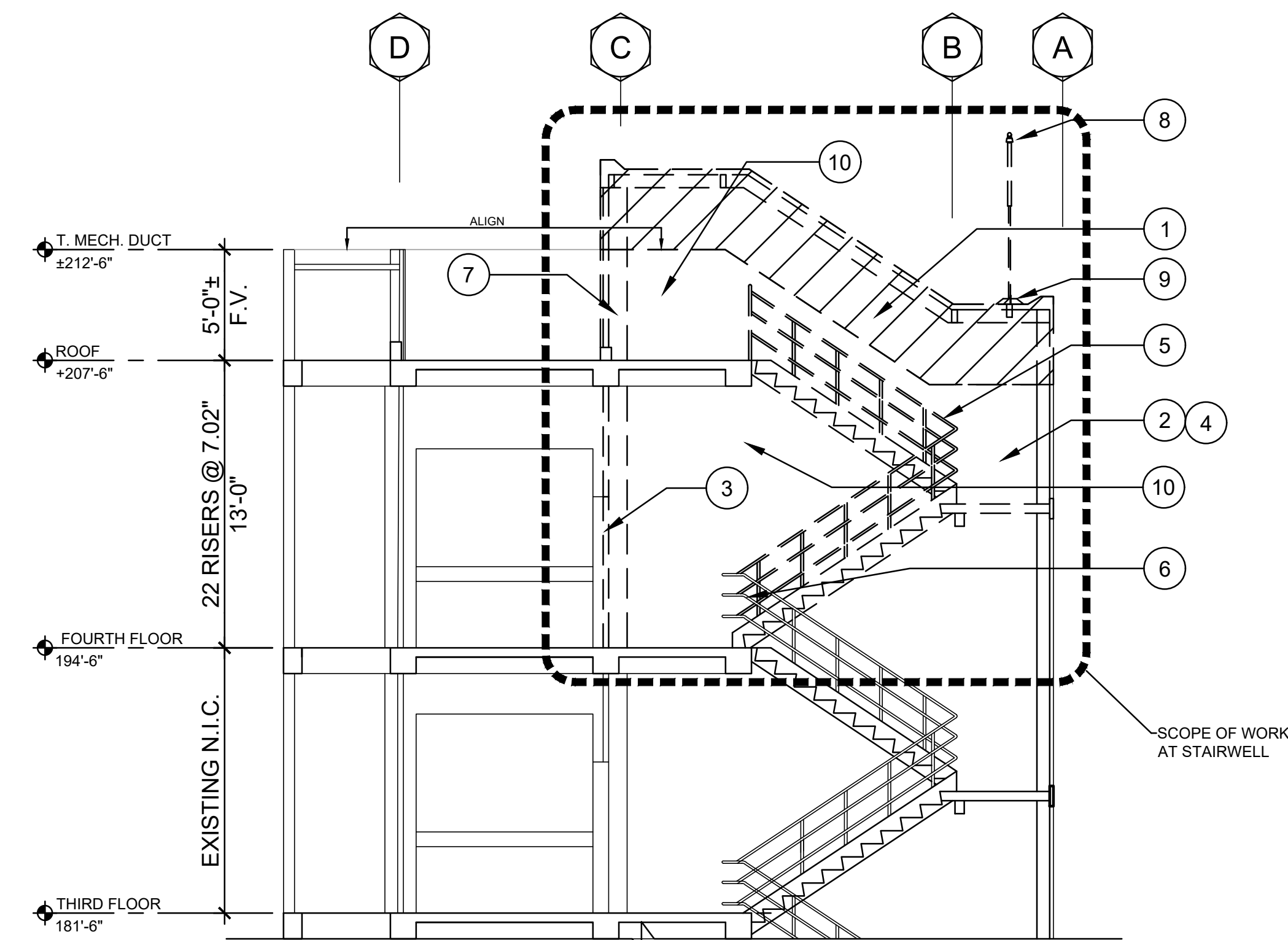
SECTION - A

1/4"=1'-0"

1



PERMIT NO. OSHPD H123456-56-00		
NO	REVISION	DATE
1	SD SUBMITTAL	10-19-2020



4TH FLOOR STAIR#1 DEMO PLAN			3/16"=1'-0"	7	4TH FLOOR STAIR#1 PLAN PROPOSED			3/16"=1'-0"	2
GENERAL NOTES		KEYNOTES - DEMOLITION			KEYNOTES - PROPOSED				
1.	#	DESCRIPTION	DETAIL	#	DESCRIPTION	DETAIL			
	①	PARTIALLY DEMOLISH (E) STAIR TOWER AND ROOF. PATCH SURFACES TO REMAIN AS INDICATED.		①	NEW CLOSED METAL STAIR WITH SLIP RESISTANT TREADS AND LANDING AND RAILING FROM 4TH FLOOR TO THE ROOF LEVEL.				
	②	REWORK EXISTING FIRE SPRINKLERS AND FIRE ALARM SYSTEM AS NEEDED FOR NEW CONSTRUCTION.		②	NEW 1 HR RATED EXTERIOR WALL TO (E) STRUCTURE/ROOF SCREEN LEVEL AT ROOF				
	③	REMOVE EXISTING DOOR AND FRAME, PATCH SURFACES TO REMAIN.		③	NEW RATED DOOR AND FRAME				
	④	REMOVE EXISTING LIGHT FIXTURES AND RELATED APPURTENANCES.		④	NEW INTERIOR FINISHES @ (E) STAIRWELL INTERIOR WALLS.				
	⑤	REMOVE EXISTING STAIR FROM 4TH FLOOR TO ROOF.		⑤	NEW STAINLESS STEEL PARAPET CAP SECURED TO (E) WALL.				
	⑥	PATCH SURFACES TO REMAIN, RECONFIGURE (E) HANDRAIL, SEE J.		⑥					
	⑦	SAWCUT AND PARTIALLY REMOVE (E) CONCRETE COLUMN TO NEW LEVEL AT ROOF ACCESS		⑦					
	⑧	(E) ROOFTOP MOUNTED SECURITY CAMERA TO BE REMOVED BY OWNER.		⑧					
	⑨	REMOVE (E) STAIR #1 ROOF DRAIN AND PIPING TO TRANSITION POINT, SEE PLUMBING DRAWING		⑨					
	⑩	REMOVE (E) FINISH TO METAL STUDS IN PREPARATION FOR NEW WATERPROOFING AND STUCCO FINISH. PATCH SURFACES		⑩					
	⑪			⑪					
	⑫			⑫					
	⑬			⑬					

G:\JOB19000\19229 VENTURA COUNTY MEDICAL CENTER - HELIPAD REPLACEMENT\DRAWING\STRUCTURAL\5001-19229.DWG - 8/26/2020 5:45 PM

STRUCTURAL ABBREVIATIONS

AB	ANCHOR BOLT	INFO	INFORMATION
ABV	ABOVE	INT	INTERIOR
ADDL	ADDITIONAL	JST	JOIST
ALT	ALTERNATE	JT	JOINT
ANCH	ANCHOR		
&	AND	KSI	KIP PER SQUARE INCH
ARCH	ARCHITECT(URAL)		
@	AT	LBS	POUNDS
		LLBB	LONG LEG BACK-BACK
BF	BRACE FRAME	LLH	LONG LEG HORIZONTAL
BLDG	BUILDING	LLV	LONG LEG VERTICAL
BLK	BLOCK	LLW	LONGITUDINAL
BLKG	BLOCKING	LT WT	LIGHT WEIGHT
BEL	BELOW	LVL	LAMINATED VENEER (LUMBER)
BM	BEAM	LVL	LEVEL (FLOOR)
BN	BOUNDARY NAILING		
B or BOT	BOTTOM	MAX	MAXIMUM
BRC	BEARING	MB	MACHINE BOLT
BTWN	BETWEEN	MECH	MECHANICAL
BU	BUILT-UP	MEZZ	MEZZANINE
BUB	BACK-UP BAR	MFR	MANUFACTURER
		MIN	MINIMUM
CAMB(C)	CAMBER(ED)	MISC	MISCELLANEOUS
CBC	CALIFORNIA BUILDING CODE	MTL	METAL
CG	CENTER OF GRAVITY	MS	MIDDLE STRIP
CIP	CAST IN PLACE		
CJ	CONSTRUCTION JOINT	(N)	NEW
	OR CONTROL JOINT	NIC	NOT IN CONTRACT
CJP	COMPLETE JOINT	NO (#)	NUMBER
	PENETRATION	NS	NEAR SIDE
CL(£)	CENTERLINE	NTS	NOT TO SCALE
CLC	CLEAR	NORM WT	NORMAL WEIGHT
CLR	CLEAR		
CMU	CONCRETE MASONRY UNIT	OC	ON CENTER (NOT NECESSARY)
COL	COLUMN	OD	OUTSIDE DIAMETER
CONC	CONCRETE	OF	OUTSIDE FACE
CONN	CONNECTION	OH	OPPOSITE HAND
CONT	CONTINUOUS	O-O	OUT TO OUT
CS	COLUMN STRIP	OPNG	OPENING
CRC	COLD ROLLED CHANNEL		
CTR	CENTER(ED)	PARA	PARALLEL
CTRSK	COUNTERSINK	P/C	PREFR
C-C	CENTER TO CENTER	PERP	PERPENDICULAR
		PJP	PARTIAL JOINT PENETRATION
d	PENNEY(NAILS)	PL (R)	PLATE
DBL	DOUBLE	PLY	PLYWOOD
DET	DETAIL	PSF	POUNDS PER SQUARE FOOT
DF	DOUGLAS FIR	PSI	POUNDS PER SQUARE INCH
DIA(Ø)	DIAMETER	PT	PRESSURE TREATED
DIAG	DIAGONAL	P/T	POSTTENSIONED(PRESTRESSED)
DIM	DIMENSION		
DN	DOWN	RAD (R)	RADIUS
DO	DITTO (REPEAT)	REF	REFERENCE
DP	DEEP	REQ'D	REQUIRED
DWG	DRAWING	REINF	REINFORCEMENT(ING)
DWL	DOWELS	RJ	ROOF JOIST
EA	EACH	SC	SLIP CRITICAL
EBF	ECCENTRIC BRACE FRAME	SEP	SEPARATION
EF	EACH FACE	SCHED	SCHEDULE
EJ	EXPANSION JOINT	SIM	SIMILAR
ELEC	ELECTRICAL	SIMP	SIMPSON
ELEV	ELEVATION/ELEVATOR	SHT	SHEET
EMBED	EMBEDMENT	SHTG	SHEATHING
EN	EDGE NAILING	SLBB	SHORT LEB BACH-BACK
EQ	EQUAL	SUV	SHORT LEB VERTICAL
EQUIP	EQUIPMENT	SWS	SHEET METAL SCREWS
ES	FACE EACH	SOG	SLAB ON GRADE
EW	EACH WAY	SPECS	SPECIFICATIONS
EXIST(E)	EXISTING	SPACE (S)	SPACE (S)
EXP	EXPANSION	SQ	SQUARE
EXT	EXTERIOR	SSC	SINGLE SHEAR CONNECTION
		STAGG	STAGGER(ED)
FIN	FINISH(ED)	STD	STANDARD
FLR	FLOOR	STIFF	STIFFENER
FDN	FOUNDATION	STL	STEEL
FLC	FLANGE	STRUC	STRUCTURAL
FN	FIELD NAILING	SYMM	SYMMETRICAL
FOB	FACE OF BLOCK OR BRICK		
FOC	FACE OF CONCRETE	T & B	TOP AND BOTTOM
FO PLY	FACE OF PLYWOOD	T & G	TONGUE AND GROOVE
FOS	FACE OF STUDS	TEMP	TEMPORARY
FMG	FRAMING	THK	THICK(NESS)
FS	FAR SIDE	THRD	THREADED
FT	FOOT	THRU	THROUGH
FTG	FOOTING	TP	TOP OF PARAPET
		T PLY	TOP OF PLYWOOD
GAL	GAGE	TRANS	TRANSVERSE
GALV	GALVANIZED	TOC	TOP OF CONCRETE
GB	GRADE BEAM	TOS	TOP OF STEEL
GL	GRID LINE	TSG	TAPERED STEEL GIRDER
GLB	GLUE-LAMINATED BEAM	TOW	TOP OF WALL
		TYP	TYPICAL
HCA	HEADED CONCRETE		
	ANCHOR	UNO	UNLESS NOTED OTHERWISE
HD	HOLD DOWN		
HDR	HEADER	VERT	VERTICAL
HGR	HANGER		
HORIZ	HORIZONTAL	W/	WITH
HSB	HIGH STRENGTH BOLT	WBS	WELDED BEAM SEAT
HS	HIGH STRENGTH	WOOD	WOOD
HT	HEIGHT	WP	WORK POINT
		WPJ	WEAKENED PLANE JOINT
IBC	INTERNATIONAL BUILDING CODE	WS	WELDED STUDS
ID	INSIDE DIAMETER	WT	WEIGHT
IF	INSIDE FACE	WWF	WELDED WIRE FABRIC
IN	INCH		

STRUCTURAL STEEL AND MISCELLANEOUS METAL (ALL OTHER STEEL)

- ALL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS AND THE LATEST EDITION OF AISC SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS. WHERE THE STRUCTURAL STEEL IS EXPOSED AND INDICATED AS 'AESS' ON PLANS OR DETAILS, FABRICATION AND ERECTION SHALL ALSO BE IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE FOR ARCHITECTURALLY EXPOSED STRUCTURAL STEEL.
- GENERAL CONTRACTOR TO DETERMINE SCOPE OF WORK FOR BOTH STRUCTURAL STEEL AND MISCELLANEOUS METAL SUBCONTRACTORS (IF MULTIPLE SUBCONTRACTORS ARE USED). THE COMBINED SCOPE OF WORK FOR ALL SUBCONTRACTORS SHALL INCLUDE ALL STRUCTURAL STEEL AND MISCELLANEOUS METAL WORK SHOWN ON THE CONTRACT DRAWINGS.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM DESIGNATION AS INDICATED BELOW UNLESS NOTED OTHERWISE:

ALL WIDE FLANGE AND WT SHAPES	A992, GRADE 50
STEEL ANGLES AND CHANNELS	A36 UNO
ALL OTHER STRUCTURAL SECTIONS	A572, GRADE 50
DECK CLOSURE PLATES AND SHIM MATERIALS	A36
BEAM SHEAR PLATES, STIFFENER PLATES, ALL OTHER PLATES	A572, GRADE 50 UNO
HSS (RECTANGULAR, SQUARE OR ROUND)	A500, GRADE B OR C
STEEL PIPE (NOT LABELED AS HSS)	A53, GRADE B
STAINLESS STEEL SHAPES, PLATES AND BARS	A276
BOLTS	F3125, GRADE A325 OR GRADE F1852
MACHINE BOLTS (USE ONLY WHERE INDICATED)	A307
ANCHOR BOLTS	F1554, GRADE 55 S1, HEADED
THREADED AND HANGER ROD	A572, GR50
NUTS FOR BOLTS AND MACHINE BOLTS	A563
HARDENED WASHERS	F436
UNHARDENED WASHERS	F844
PLAIN WASHERS	ANSI B18.22.1
- HOT ROLLED SHAPES WITH FLANGES 1-1/2" THICK OR THICKER AND PLATES THAT ARE 2" THICK OR THICKER THAT ARE PART OF THE SEISMIC FORCE RESISTING SYSTEM SHALL HAVE A MINIMUM CHARRY V-NOTCH (CNV) TOUGHNESS OF 20 FT-LBS AT 70 DEGREES F.
- HIGH STRENGTH BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF AISC SPECIFICATIONS FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS. HIGH STRENGTH BOLTS SHALL BE SLIP CRITICAL (SC) WITH THREADS EXCLUDED FROM THE FROM THE SHEAR PLANES (I.E. A325-X, A325-SC, OR F1852-X-SC) UNLESS NOTED OTHERWISE.
- HEADED ANCHOR STUDS AND THREADED STUDS SHALL BE NELSON (ICC ER-2856, LARR 02725) GRANULAR FLUX-FILLED, AND SHALL BE MADE FROM COLD FINISHED LOW CARBON STEEL, CONFORMING TO ASTM A-108, GRADES 1010 THROUGH 1020 WITH A MINIMUM TENSILE STRENGTH OF 60,000 PSI. STUD WELDING INSPECTION AND TESTING SHALL CONFORM TO AWS D1.1.
- DEFORMED BAR ANCHOR STUDS SHALL BE NELSON D2L (ICC ER-2907, LARR 25860) GRANULAR FLUX-FILLED REBAR STUDS, AND SHALL BE MADE OF LOW CARBON COLD ROLLED STEEL WITH A MINIMUM TENSILE STRENGTH OF 80,000 PSI. STUD WELDING INSPECTION AND TESTING SHALL CONFORM TO AWS D1.1.
- HOT DIP GALVANIZE IN ACCORDANCE WITH ASTM A123 AND ASTM A153 STRUCTURAL STEEL, MISCELLANEOUS METAL AND FASTENERS THAT ARE EXPOSED TO THE WEATHER. REPAIR GALVANIZING AFTER WELDING IN ACCORDANCE WITH ASTM A780.
- WHEN FABRICATING BEAMS, PLACE NATURAL CAMBER UP. PROVIDE UPWARD CAMBER TO ALL MEMBERS SHOWN TO HAVE CAMBER. AMOUNT MEASURED IN THE FIELD PRIOR TO ERECTION SHALL NOT DEVIATE BY MORE THAN ALLOWED BY THE AISC SPECIFICATIONS. DO NOT CAMBER MEMBERS OCCURRING BELOW ELEVATOR ENTRANCE DOORS.
- SPLICE MEMBERS ONLY WHERE INDICATED.
- THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS FOR OWNER'S REPRESENTATIVE REVIEW BEFORE FABRICATION. SUBMITTALS SHALL BE IN SIZES COMMENSURATE WITH A TWO WEEK TURNAROUND TIME. A MAXIMUM OF 250 SHOP DRAWINGS EVERY TWO WEEKS IS PERMITTED UNLESS WRITTEN AUTHORIZATION IS PROVIDED BY THE ARCHITECT TO CHANGE THIS LIMIT.
- AFTER FABRICATION, ALL STEEL SHALL BE CLEANED FREE OF RUST, LOOSE MILL SCALE AND OIL.
- BOLT HOLES IN STEEL SHALL BE STANDARD HOLES, 1/16 INCH LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLT USED, UNLESS NOTED OTHERWISE. BOLT HOLES IN BASE PLATES MAY BE OVERSIZED PER AISC TABLE 14-2 IF WASHERS ARE PROVIDED IN ACCORDANCE WITH THIS TABLE.
- BOLTS SHALL BE SPACED AT 3" O.C. UNLESS NOTED OTHERWISE. THE DISTANCE FROM THE CENTER OF A STANDARD HOLE TO THE EDGE OF A CONNECTING PART IN ANY DIRECTION SHALL NOT BE LESS THAN 1 1/2" U.N.O. THE EDGE DISTANCE MAYBE 1 1/4" AT THE ENDS OF BEAM CONNECTION ANGLES AND SHEAR END PLATES. THE DISTANCE FROM CENTER OF AN OVERSIZED OR SLOTTED HOLE TO THE EDGE OF A CONNECTING PART SHALL NOT BE LESS THAN THAT REQUIRED FOR A STANDARD HOLE TO THE EDGE OF A CONNECTED PART PLUS THE APPLICABLE INCREMENT C₂ FROM AISC TABLE J3.5.
- ALL STRUCTURAL STEEL SURFACES TO BE WELDED OR HIGH-STRENGTH BOLTED, TO BE ENCASED IN CONCRETE OR TO RECEIVE SPRAY-APPLIED FIREPROOFING SHALL BE LEFT UNPAINTED.
- SEE ARCHITECTURAL DRAWINGS FOR DETAILS OF FIREPROOFING.

GENERAL CONTINUED

- THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE MEANS, METHOD, TECHNIQUES, SEQUENCE AND PROCEDURE OF CONSTRUCTION AS REQUIRED. SITE VISITS PERFORMED BY THE OWNER'S REPRESENTATIVE DO NOT INCLUDE INSPECTIONS OF MEANS AND METHODS OF CONSTRUCTION PERFORMED BY CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SHORES, BRACES AND GUYS REQUIRED TO SUPPORT ALL LOADS TO WHICH THE BUILDING STRUCTURE AND COMPONENTS, SOILS, OTHER STRUCTURES AND UTILITIES MAY BE SUBJECTED DURING CONSTRUCTION. SHORING SYSTEMS SHALL BE DESIGNED AND STAMPED BY A CIVIL OR STRUCTURAL ENGINEER LICENSED IN THE STATE OF CALIFORNIA. VISITS TO THE SITE BY THE OWNER'S REPRESENTATIVE WILL NOT INCLUDE OBSERVATION OF THE ABOVE NOTED ITEMS.
- CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS OR ROOFS. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT SPECIFIED ON THIS SET OF DRAWINGS. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH OR WHERE OVERLOAD IS ANTICIPATED.
- STRUCTURAL OBSERVATIONS PERFORMED BY THE STRUCTURAL ENGINEER DURING CONSTRUCTION ARE NOT THE REQUIRED CONTINUOUS AND SPECIAL INSPECTION SERVICES AND DO NOT WAIVE THE RESPONSIBILITY FOR THE INSPECTIONS REQUIRED OF THE BUILDING INSPECTOR OR THE DEPUTY INSPECTOR. OBSERVATIONS ALSO DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSIDERED AS SUPERVISION OF CONSTRUCTION.
- CONTRACTOR SHALL REVIEW SHOP DRAWINGS FOR COMPLETENESS AND COMPLIANCE WITH CONTRACT DOCUMENTS AND SHALL STAMP SHOP DRAWINGS PRIOR TO SUBMISSION TO THE OWNER'S REPRESENTATIVE.
- ARCHITECT'S / ENGINEER'S REVIEW OF THE SHOP DRAWINGS SHALL NOT BE CONSTRUED AS AN AUTHORIZATION TO DEVIATE FROM CONTRACT DOCUMENTS.
- SHOP DRAWINGS WILL NOT BE PROCESSED DUE TO INCOMPLETENESS, LACK OF COORDINATION WITH RELEVANT PORTION OF CONTRACT DOCUMENTS, LACK OF CALCULATIONS IF REQUIRED AND WHERE DEVIATIONS, MODIFICATIONS AND SUBSTITUTIONS ARE INDICATED WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER'S REPRESENTATIVE.
- ALLOW SEVEN WORKING DAYS FOR PROCESSING SHOP DRAWINGS OTHER THAN STRUCTURAL STEEL & DESIGN-BUILD ITEMS AFTER RECEIPT BY THE STRUCTURAL ENGINEER. ALLOW FOURTEEN WORKING DAYS FOR PROCESSING STRUCTURAL STEEL & DESIGN-BUILD ITEMS SHOP DRAWINGS. SHOP DRAWINGS AND SUBMITTALS WILL BE REVIEWED A MAXIMUM OF TWO TIMES.
- THE LATERAL SYSTEM OF THE STRUCTURE IS DESIGNED WITH LATERAL RESTRAINT AT THE GROUND FLOOR. STRUCTURAL FRAMES ARE NOT Laterally SELF SUPPORTING UNTIL THE ENTIRE DESIGN LATERAL RESTRAINT FLOOR AND STRUCTURAL WALLS BELOW ARE IN PLACE.
- DO NOT SPLICE STRUCTURAL MEMBERS UNLESS SPECIFICALLY DETAILED AND INDICATED IN THIS SET OF DRAWINGS. DO NOT PLACE OPENINGS, POCKETS, ETC. IN STRUCTURAL MEMBERS UNLESS SPECIFICALLY DETAILED AND INDICATED IN THIS SET OF STRUCTURAL DRAWINGS. NOTIFY THE STRUCTURAL ENGINEER IF DRAWINGS BY OTHERS REQUIRE MODIFICATIONS TO STRUCTURAL MEMBERS AS SHOWN IN THIS SET OF STRUCTURAL DRAWINGS PRIOR TO PROCEEDING WITH THE WORK.
- DESIGN LOADS:
 - DEAD LOADS: CONSIST OF BUILDING SELF-WEIGHT PLUS SUPERIMPOSED DEAD LOADS. REFER TO COMPLETE SET OF DRAWINGS FOR DETERMINING DEAD LOADS.
 - LIVE LOADS:

AREA	DESIGN LIVE LOAD	REMARK
MODIFY AS REQUIRED		
FLOOR	50 PSF	
STAIRS, LOBBIES	100 PSF	
ROOF	20 PSF	
 - SEISMIC DESIGN LOADS:

MODIFY AS REQUIRED		
SEISMIC IMPORTANCE FACTOR I _s	=	DEFINE
RISK CATEGORY	=	DEFINE
S _s	=	DEFINE
S ₁	=	DEFINE
SITE CLASS	=	0
S _{ms}	=	DEFINE
S _{ps}	=	DEFINE
SEISMIC DESIGN CATEGORY	=	0
LATERAL LOAD RESISTING SYSTEM	=	DEFINE
R	=	DEFINE
C ₀	=	DEFINE
C ₁	=	DEFINE
C ₂	=	DEFINE
SEISMIC DESIGN BASE SHEAR ANALYSIS PROCEDURE USED	=	DEFINE x BLDG DEAD LOAD
 - WIND DESIGN LOADS:

MODIFY AS REQUIRED		
BASIC WIND SPEED (3 SEC. GUST)	=	DEFINE
OCCUPANCY CATEGORY	=	DEFINE
WIND EXPOSURE	=	C
INTERNAL PRESSURE COEFFICIENT	=	0.18 FOR ENCLOSED STRUCTURE
 - COMPONENTS & CLADDING WIND PRESSURE = 35 PSF

GENERAL

- THE PROJECT SPECIFICATIONS FORM A PART OF THESE GENERAL NOTES.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
- INFORMATION SHOWN ON THE DRAWINGS RELATED TO EXISTING CONDITIONS REPRESENTS THE PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. REPORT CONDITIONS THAT CONFLICT WITH THE CONTRACT DOCUMENTS TO THE OWNER'S REPRESENTATIVE. DO NOT DEVIATE FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE OWNER'S REPRESENTATIVE.
- DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DRAWINGS. DRAWINGS SHALL NOT BE SCALED.
- DETAILS IN SHEETS TITLED 'TYPICAL DETAILS', TYPICAL DETAILS AND GENERAL NOTES APPLY TO ALL PARTS OF THE WORK, EXCEPT WHERE SPECIFICALLY DETAILED OR UNLESS NOTED OTHERWISE. THESE DETAILS ARE NOT SPECIFICALLY REFERENCED WHERE THEY OCCUR.
- NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NOTES AND DETAILS ON DRAWINGS AND THESE GENERAL NOTES AND TYPICAL DETAILS ARE IN CONFLICT WITH THE PROJECT SPECIFICATIONS THE MOST STRINGENT SHALL APPLY. CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE CONSTRUCTED AS SHOWN FOR SIMILAR WORK.
- ALL WORK SHALL CONFORM TO THE STANDARDS OF THE FOLLOWING:

CALIFORNIA BUILDING CODE, 2016 EDITION

AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING BUT NOT LIMITED TO CAL/OSHA, DIVISION OF OCCUPATIONAL SAFETY AND HEALTH, AND THOSE CODES AND STANDARDS LISTED IN THE CONTRACT DOCUMENTS.
- SPECIFICATIONS, CODES, AND STANDARDS NOTED IN THE CONTRACT DOCUMENTS SHALL BE OF THE LATEST APPROVED ISSUE, INCLUDING SUPPLEMENTS, UNLESS OTHERWISE NOTED. MATERIAL SPECIFICATIONS SHALL COMPLY WITH ASTM REFERENCED STANDARDS LATEST EDITION.
- MANUFACTURED MATERIALS SHALL BE APPROVED BY THE CHECKING AGENCY PRIOR TO THEIR USE. ALL REQUIREMENTS OF THOSE APPROVALS SHALL BE FOLLOWED.
- SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
 - SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS.
 - SIZE AND LOCATION OF ALL NON-BEARING PARTITIONS.
 - SIZE AND LOCATION OF ALL CONCRETE CURBS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGES IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC.
 - EXTERIOR WALL SYSTEM.
 - SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS.
 - STAIR FRAMING AND DETAILS.
 - DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
- SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:
 - PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL, ROOF AND FLOOR OPENINGS, ETC., NOT SHOWN OR NOTED.
 - ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
 - ANCHORAGE AND BRACING FOR ELECTRICAL, MECHANICAL OR PLUMBING EQUIPMENT TO THE STRUCTURE.
 - ANCHOR BOLTS FOR EQUIPMENT MOUNTS.
 - SIZE, WEIGHT, AND LOCATION OF MACHINE AND EQUIPMENT BASES.
- OPENINGS, POCKETS, ETC. SHALL NOT BE PLACED IN STRUCTURAL MEMBERS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS. NOTIFY THE STRUCTURAL ENGINEER OF RECORD WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN STRUCTURAL MEMBERS.
- STAIR FRAMING, HANDRAILS, CLADDING SYSTEMS, METAL STUD FRAMING, MEP EQUIPMENT AND PIPING, ANCHORAGE/BRACING AND ANY OTHER DESIGN-BUILD ELEMENTS, WHEN NOT SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS, SHALL BE THE DESIGN RESPONSIBILITY OF THE CONTRACTOR AND MAY BE SUPPORTED BY THE PRIMARY STRUCTURE. CONTRACTOR SHALL PROVIDE AND INSTALL ALL ANCILLARY MEMBERS INCLUDING BUT NOT LIMITED TO BEAMS, COLUMNS, POSTS, FOOTINGS, STIFFENERS, GUSSETS, KICKERS, BRACES, ETC., AND THE ATTENDANT CONNECTIONS, AS REQUIRED BY THE STRUCTURAL ENGINEER OF RECORD, TO SUPPORT LOADS IMPOSED BY THE STAIR FRAMING AND DESIGN-BUILD ELEMENTS ON THE PRIMARY STRUCTURE. DESIGN AND DETAILING OF THESE ELEMENTS SHALL BE DEVELOPED AND STAMPED BY A LICENSED STRUCTURAL ENGINEER IN THE STATE OF CALIFORNIA. CONTRACTOR SHALL SUBMIT THE CALCULATIONS, DRAWINGS AND DESIGN TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW AND TO THE GOVERNING AGENCY FOR PERMITTING AND APPROVAL PRIOR TO STARTING FABRICATION. CONTRACTOR SHALL OBTAIN ALL PERTINENT PERMITS PRIOR TO STARTING FABRICATION. STAIR FRAMING AND DESIGN-BUILD ELEMENTS SHALL BE DESIGNED TO AVOID TORSIONAL LOADS INTO THE PRIMARY STRUCTURE. ENGINEER RESPONSIBLE FOR THE DESIGN OF STAIRS IS ALSO RESPONSIBLE FOR PROVIDING STRUCTURAL OBSERVATIONS FOR THE DESIGN-BUILD ITEMS.
- CONTRACTOR SHALL CAREFULLY REVIEW THE DRAWINGS TO IDENTIFY THE EXTENT OF THE SCOPE OF WORK. VISIT THE SITE TO RELATE THE SCOPE OF WORK TO EXISTING CONDITIONS AND DETERMINE THE EXTENT TO WHICH THOSE CONDITIONS AND PHYSICAL SURROUNDINGS WILL IMPACT THE WORK.
- THE CONTRACTOR SHALL RESOLVE ANY CONFLICTS ON THE CONSTRUCTION DOCUMENTS WITH THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
- UNLESS NOTED OTHERWISE, COLUMNS, WALLS, BEAMS, FOOTINGS, ETC. ARE CENTERED AT GRIDLINES. WHERE BEAM TO BEAM SPACING IS NOT SHOWN, BEAM SHALL BE EQUALLY SPACED BETWEEN GRIDLINES.
- ANY DEVIATION FROM THE APPROVED SET OF STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR REVIEW/APPROVAL BEFORE PROCEEDING WITH THE WORK. SUBSTITUTIONS OF PRODUCTS OR MATERIALS SPECIFIED ON THE CONSTRUCTION DOCUMENTS ARE NOT ALLOWED WITHOUT OWNER'S REPRESENTATIVE'S APPROVAL.



48 east holly street
pasadena, ca 91103
tel: 626.793.9805 • fax: 626.793.9807

JOHN A. MARTIN
& ASSOCIATES
Structural Engineers
950 S. Grand Avenue
Los Angeles, Calif. 90015
Phone (213) 483-6490
WWW.JOHNAMARTIN.COM
J19229



VENTURA COUNTY MEDICAL CENTER HELIPAD REPLACEMENT

3291 LOMA VISTA ROAD
VENTURA, CA 93003

AGENCY STAMP

AGENCY NUMBER
ISSUE/REVISION
SD SUBMITTAL 8-27-2020

PROJECT DATA
DATE 08-28-2020
ARCHITECT SW
CHECKED BY SF
DRAWN BY AP
PROJECT NO. 20190097
SHEET TITLE

GENERAL NOTES

SHEET NO.

S-0.01

INSPECTION / TESTING

1. AN INDEPENDENT TESTING AGENCY AND SPECIAL INSPECTORS SHALL BE RETAINED BY THE OWNER TO PERFORM THE TESTS AND INSPECTION AS REQUIRED BY SECTION 1704 OF THE CALIFORNIA BUILDING CODE. THE CONTRACTOR SHALL PROVIDE ACCESS TO THE SPECIAL INSPECTOR TO THE SITE OR FABRICATION SHOPS AND SHALL FURNISH SAMPLES FOR TESTING AS REQUESTED BY THE TESTING AGENCY AND THE GOVERNING CODE.
2. IF INITIAL TESTS OR INSPECTIONS MADE BY THE OWNER'S TESTING AGENCY REVEAL THAT ANY PORTION OF THE WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, ADDITIONAL TESTS, INSPECTIONS, AND NECESSARY REPAIRS WILL BE MADE AT THE CONTRACTOR'S EXPENSE.
3. PROVIDE CONTINUOUS OR PERIODIC SPECIAL INSPECTION FOR ITEMS NOTED IN "TEST AND INSPECTION LIST", AS REQUIRED PER THE CHAPTER 17 OF THE CALIFORNIA BUILDING CODE AND ALL APPLICABLE AMENDMENTS, UNLESS NOTED OTHERWISE IN SPECIFICATIONS.
4. SPECIAL INSPECTIONS MAY NOT BE REQUIRED WHEN THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED BY THE BUILDING OFFICIAL OR GOVERNING AGENCY HAVING JURISDICTION OVER THE PROJECT TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION.
5. EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND OR SEISMIC FORCE RESISTING SYSTEM ELEMENT SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND TO THE OWNER'S REPRESENTATIVE, PRIOR TO THE COMMENCEMENT OF THE WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING INFORMATION:

A. ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS.

B. ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.

C. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND DISTRIBUTION OF THE REPORTS.

D. IDENTIFICATION AND QUALIFICATIONS OF THE PERSONS EXERCISING SUCH CONTROL AND THEIR POSITIONS IN THE ORGANIZATION.
6. SPECIAL INSPECTIONS FOR THE STRUCTURAL STEEL PORTIONS OF THE LATERAL FORCE RESISTING SYSTEM SHALL ALSO COMPLY WITH THE REQUIREMENTS OF AISC 341.
7. NON-DESTRUCTIVE WELD TESTING: ULTRASONIC TESTING IS REQUIRED FOR ALL (100%) COMPLETE PENETRATION WELDS AND 25% OF PARTIAL PENETRATION WELDS. TESTING SHALL BE PERFORMED 24 HOURS OR MORE AFTER COMPLETION OF WELDING. WELD BACKING REMOVAL AREAS AND FILLET WELDS SHALL BE SUBJECTED TO MAGNETIC PARTICLE EXAMINATION.
8. BASE METAL THICKER THAN 1-1/2", SUBJECTED TO THROUGH THICKNESS WELD SHRINKAGE STRAINS, SHALL BE ULTRASONICALLY TESTED DIRECTLY BEHIND SUCH WELDS 48 HOURS OR MORE AFTER COMPLETION OF WELDING.
9. FOR BOLTED CONNECTIONS NOT USING TC (TWIST OFF) BOLTS OR LOAD INDICATOR WASHERS, TEST BY CALIBRATED TORQUE WRENCH A MINIMUM OF 10% OF HIGH STRENGTH BOLTS (MINIMUM ONE (1) BOLT) AT EACH SHEAR CONNECTION.
10. TEST A MINIMUM OF 25% OF CONTINUITY PLATE FILLET WELDS AND 10% OF ALL OTHER WELDS BY MAGNETIC PARTICLE (ASTM E709) METHOD.
11. APPROVAL BY THE INSPECTOR OF MATTERS NOT SPECIFICALLY CONSTRUCTED PER THE APPROVED DRAWINGS DOES NOT MEAN THE FAILURE TO COMPLY WITH THE CONSTRUCTION DOCUMENTS HAS BEEN ACCEPTED. ANY DETAIL THAT FAILS TO BE CLEAR OR IS AMBIGUOUS MUST BE REFERRED TO THE STRUCTURAL ENGINEER FOR INTERPRETATION OR CLARIFICATION.
12. INSPECTION AND TESTING REPORTS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER WITHIN SEVEN DAYS OF WHEN THE INSPECTION WAS MADE OR WHEN THE TESTING WAS PERFORMED.
13. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY INSPECTION OR TESTING WHICH DOES NOT COMPLY WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

TEST AND INSPECTION LIST

STRUCTURAL STEEL				
X	REVIEW MILL CERTIFICATE, TEST REPORTS AND MATERIAL IDENTIFICATION DELIVERED TO THE SITE			
C	REVIEW WELDING PROCEDURE SPECIFICATION & WELDER CERTIFICATION			
P	INSTALLATION OF NON-SLIP CRITICAL HIGH-STRENGTH BOLTS & WASHERS (PROVIDE CONTINUOUS INSPECTION IF INSTALLATION IS PERFORMED WITH CALIBRATED WRENCH)			
C	INSTALLATION OF SLIP CRITICALHIGH-STRENGTH BOLTS & WASHERS			
P	FIELD ERECTION INSPECTION			
X	FABRICATION INSPECTION	P	SHOP	P FIELD
X	WELDING INSPECTION	C	SHOP	C FIELD
X	NON-DESTRUCTIVE WELD TEST	X	SHOP	X FIELD
X	BOLTING INSPECTION (TURN OF NUT)	X	SHOP	X FIELD
X	BOLTING INSPECTION (TWIST OFF)	P	SHOP	P FIELD
P	COMPOSITE STUD INSPECTION & TESTING			
P	STEEL JOIST INSTALLATION INSPECTION			
C	INSTALLATION OF ANCHOR BOLTS BEFORE & DURING CONCRETE POUR			

MISCELLANEOUS	
C	MECHANICAL ANCHORS
C	ADHESIVE OR GROUTED ANCHORS AND DOWELS
C	BOLTS CAST IN CONCRETE OR MASONRY
C	COLD FORM METAL FRAMING INSTALLATION AND WELDING

NOTES:

- C: INDICATES CONTINUOUS INSPECTION
- P: INDICATES PERIODIC INSPECTION
- X: INDICATES REQUIRED INSPECTION

MECHANICAL ANCHORS

1. EXPANSION OR WEDGE ANCHORS INTO CONCRETE: HILTI KB TZ (LARR #25701, ICC ESR-1917), OR DEWALT POWER-STUD +SD2 (LARR #25831, ICC ESR-2502) TO BE INSTALLED IN ACCORDANCE WITH ICC REPORT AND MANUFACTURER'S RECOMMENDATIONS.
2. EXPANSION OR WEDGE ANCHORS INTO MASONRY: HILTI KB 3 (LARR #25577M, ICC ESR-1385), DEWALT POWER-STUD +SD1 (LARR #25787, ICC ESR-2966), OR SIMPSON STRONG TIE WEDGE-ALL (LARR #24682, ICC ESR-1396), TO BE INSTALLED IN ACCORDANCE WITH ICC REPORT AND MANUFACTURER'S RECOMMENDATIONS.
3. SCREW ANCHORS INTO CONCRETE: HILTI HUS-EZ (LARR #25897, ICC ESR-3027), SIMPSON STRONG TIE TITEN HD (LARR #25741, ICC ESR-2713), OR DEWALT SCREW-BOLT+ (ICC ESR-3889) TO BE INSTALLED IN ACCORDANCE WITH ICC REPORT AND MANUFACTURER'S RECOMMENDATIONS.
4. SCREW ANCHORS INTO MASONRY: HILTI HUS-EZ (LARR #25979, ICC ESR-3056), SIMPSON STRONG TIE TITEN HD (LARR #25560, ICC ESR-1056), OR DEWALT SCREW-BOLT+ (ICC ESR-4042) TO BE INSTALLED IN ACCORDANCE WITH ICC REPORT AND MANUFACTURER'S RECOMMENDATIONS.
5. UNDERCUT ANCHORS INTO CONCRETE: HILTI HDA (ICC ESR-1546), SIMPSON STRONG TIE TORQ-CUT SELF UNDERCUTTING (LARR #25946, ICC ESR-2705), OR DEWALT ATOMIC UNDERCUT (ICC ESR-3067), TO BE INSTALLED IN ACCORDANCE WITH ICC REPORT AND MANUFACTURER'S RECOMMENDATIONS.
6. HEAVY DUTY SLEEVE ANCHORS INTO CONCRETE: HILTI HSL-3 (ICC ESR-1545) OR DEWALT POWER-BOLT+ (ICC ESR-3260) TO BE INSTALLED IN ACCORDANCE WITH ICC REPORT AND MANUFACTURER'S RECOMMENDATIONS.
7. FASTENERS SHALL BE STAINLESS STEEL FOR EXTERIOR USE OR WHEN EXPOSED TO WEATHER. PROVIDE GALVANIZED CARBON STEEL ANCHORS AT OTHER LOCATIONS, UNLESS OTHERWISE NOTED.
8. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON AND SHIFT THE HOLE LOCATION TO AVOID THE REINFORCEMENT. PROVIDE A MINIMUM OF 2 ANCHOR DIAMETERS OR 1 INCH, WHICHEVER IS LARGER, OF SOUND CONCRETE BETWEEN THE DOWEL AND THE ABANDONED HOLE. FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT. IF THE ANCHOR OR DOWEL MAY NOT BE SHIFTED AS NOTED ABOVE, THE STRUCTURAL ENGINEER WILL DETERMINE A NEW LOCATION.
9. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH MECHANICAL ANCHORS.
10. ANCHORS SHALL BE PROOF-TESTED BY OWNER'S TESTING AND INSPECTION AGENCY.
11. TEST ANCHORS NO SOONER THAN 24 HOURS AFTER INSTALLATION.
12. APPLY TEST LOAD BY ANY METHOD THAT WILL EFFECTIVELY MEASURE THE TENSION ON THE ANCHOR SUCH AS DIRECT PULL WITH A HYDRAULIC JACK, TORQUE WRENCH, OR CALIBRATED SPRING-LOADING DEVICES, ETC.
13. REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING BY A BASE PLATE OR OTHER FIXTURE. IF RESTRAINT IS FOUND, LOOSEN AND SHIM OR REMOVE THE FIXTURE PRIOR TO TESTING.
14. PROVIDE MINIMUM EMBEDMENT OF ANCHORS AS SHOWN IN DRAWINGS.
15. WHERE INSTALLATION TORQUE IS PROVIDED BY MANUFACTURER AND OBSERVED BY A DEPUTY INSPECTOR, NO FURTHER TESTING IS REQUIRED. IF NO INSTALLATION TORQUE IS PROVIDED, TEST 50% OF ANCHORS PER ONE OF THE FOLLOWING METHODS AND IN ACCORDANCE WITH THE VALUES CALCULATED BELOW:

A. HYDRAULIC RAM METHOD: APPLY PROOF TEST LOAD WITHOUT REMOVING THE NUT. IF IT IS NOT POSSIBLE TO TEST WITH THE NUT INSTALLED, REPLACE THE NUT WITH A THREADED COUPLER TO THE SAME TORQUE MEASURED WITH A TORQUE WRENCH, AND THEN APPLY THE LOAD. ANCHOR IS ACCEPTABLE IF NO MOVEMENT IS OBSERVED AT THE TEST LOAD. MOVEMENT MAY BE DETERMINED WHEN THE WASHER UNDER THE NUT BECOMES LOOSE.

B. TORQUE WRENCH METHOD: TEST ANCHORS TO THE CALCULATED TORQUE LOAD WITHIN ONE-HALF TURN OF THE NUT.

C. TEST LOAD FOR ANCHORS TO BE TWO TIMES THE ALLOWABLE TENSION VALUE OR 1 1/4 TIMES THE MAXIMUM DESIGN STRENGTH GIVEN IN THE ICC APPROVAL, BUT NEED NOT EXCEED 0.8 A_{se} F_y, WHERE A_{se} IS THE CROSS SECTIONAL AREA OF THE ANCHOR AND F_y IS THE YIELD STRESS OF THE ANCHOR.
16. IF ANY ANCHOR FAILS TESTING, REPLACE ANCHOR AND TEST ADDITIONAL ANCHORS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE TESTS PASS, THEN RESUME INITIAL TESTING FREQUENCY.

ADHESIVE ANCHORS AND DOWELS

1. ANCHORS AND DOWELS INSTALLED INTO CONCRETE SHALL BE INSTALLED USING HILTI HIT HY200 (LARR #25964, ICC ESR-3187), HILTI RE500-V3 (LARR #26028, ICC ESR-3814), DEWALT PURE110+ (LARR #26035, ICC ESR-3298), OR SIMPSON SET-XP (LARR #25966, JAMPO-281). INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ICC REPORT AND MANUFACTURER'S RECOMMENDATIONS.
2. MANUFACTURER'S FIELD REPRESENTATIVE SHALL PROVIDE INSTALLATION TRAINING FOR ALL PRODUCTS TO BE USED PRIOR TO COMMENCEMENT OF WORK; ONLY PROPERLY TRAINED INSTALLERS SHALL PERFORM POST INSTALLED ANCHOR INSTALLATION.
3. INSTALLATION OF ADHESIVE ANCHORS IN HORIZONTAL TO VERTICAL ORIENTATION SHALL BE DONE BY A CERTIFIED ADHESIVE INSTALLER (AA) AS CERTIFIED THROUGH ACI AND IN ACCORDANCE WITH THE CURRENT EDITION OF ACI 318.
4. EMBEDMENT DEPTH FOR ANCHORS AND DOWELS IS AS SHOWN ON PLAN. THE TESTING LABORATORY WILL PERFORM TENSION TESTS ON 10% OF SILL ANCHORS AND DOWELS, 100% OF ALL OTHER STRUCTURAL ANCHORS, AND 50% OF NON-STRUCTURAL ANCHORS PER ON OF THE FOLLOWING METHODS AND IN ACCORDANCE WITH THE VALUES SPECIFIED BELOW:

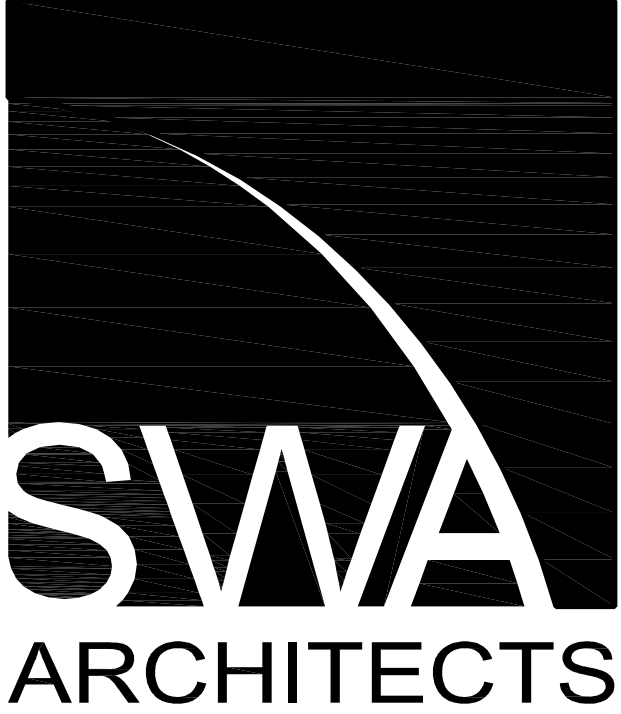
4.1. HYDRAULIC RAM METHOD: APPLY PROOF TEST LOAD WITHOUT REMOVING THE NUT. IF IT IS NOT POSSIBLE TO TEST WITH THE NUT INSTALLED, REPLACE THE NUT WITH A THREADED COUPLER TO THE SAME TORQUE MEASURED WITH A TORQUE WRENCH, AND THEN APPLY THE LOAD. MOVEMENT MAY BE DETERMINED WHEN THE WASHER UNDER THE NUT BECOMES LOOSE.

4.2. TORQUE WRENCH METHOD: TEST ANCHORS TO THE CALCULATED TORQUE LOAD WITHIN ONE-HALF TURN OF THE NUT.

4.3. TEST LOAD FOR ANCHORS TO BE TWO TIMES THE ALLOWABLE TENSION VALUE OR 1 1/4 TIMES THE MAXIMUM DESIGN STRENGTH GIVEN IN THE ICC APPROVAL, BUT NEED NOT EXCEED 0.8A_{se} f_y, WHERE A_{se} IS THE CROSS SECTIONAL AREA OF THE ANCHOR AND f_y IS THE YIELD STRESS OF THE ANCHOR.
5. ANCHORS SHALL CONFORM WITH ASTM A193 GRADE B7 THREADED RODS USING ASTM A 563 GRADE DH HEAVY HEX NUTS AND ASTM F436 WASHERS U.N.O.
6. DOWELS SHALL CONFORM WITH ASTM A615 OR ASTM A706 GRADE 60 REINFORCING STEEL U.N.O.
7. REPLACE ANCHORS AND DOWELS THAT FAIL DURING TESTING AND RETEST. IF MORE THAN 10% OF THE TESTED DOWELS AND ANCHORS FAIL TO ACHIEVE THE SPECIFIED TEST LOAD, TEST 100% OF THE DOWELS AND ANCHORS INSTALLED IN THE LAST 2 DAYS OF ANCHOR INSTALLATION.
8. CENTER BAR IN THE HOLE AND WEDGE TIGHT WITH WOODEN WEDGES TO HOLD IT IN PLACE UNTIL THE ADHESIVE SETS.
9. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON AND SHIFT THE HOLE LOCATION TO AVOID THE REINFORCEMENT. PROVIDE A MINIMUM OF 2 ANCHOR DIAMETERS OR 1 INCH, WHICHEVER IS LARGER, OF SOUND CONCRETE BETWEEN THE DOWEL AND THE ABANDONED HOLE. FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT. IF THE ANCHOR OR DOWEL MAY NOT BE SHIFTED AS NOTED ABOVE, THE ENGINEER WILL DETERMINE A NEW LOCATION.
10. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH ADHESIVE ANCHORS.

STRUCTURAL STEEL AND MISCELLANEOUS METAL (ALL OTHER STEEL) WELDING

1. ALL WELDING SHALL BE IN STRICT CONFORMANCE WITH THE LATEST EDITION OF AWS D1.1 AND THE CALIFORNIA BUILDING CODE WITH ALL APPLICABLE AMENDMENTS. ALL WELDED JOINTS SHALL BE PRE-QUALIFIED PER THE LATEST EDITION OF AWS D1.1. NON PRE- QUALIFIED WELDED JOINTS SHALL BE QUALIFIED BY TEST & PROCEDURE QUALIFICATION TEST RECORD INCLUDED PER THE LATEST EDITION OF AWS D1.1.
2. WELDING OF SHEET METAL AND METAL STUDS SHALL BE IN ACCORDANCE WITH AWS D1.3.
3. WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WELD SIZE SHALL BE AISC MINIMUM UNLESS A LARGER SIZE IS NOTED. WHERE LENGTH OF WELD IS NOT SHOWN IT SHALL BE FULL LENGTH OF JOINT. ALL BUTT AND GROOVE WELDS SHALL BE FULL PENETRATION, UNLESS NOTED OTHERWISE.
4. ALL WELDING ELECTRODES AND ELECTRODE FLUX COMBINATIONS (FILLER METAL) SHALL BE E7XX, E7TXX OR E70XXX (MINIMUM 70 KSI), UNLESS NOTED OTHERWISE, AND SHALL MEET THE REQUIREMENTS FOR H16 PER AISC SEISMIC PROVISIONS.
5. ALL WELDS SHALL HAVE A FILLER METAL WITH CHARPY V-NOTCH TOUGHNESS OF 20 FT-LBS AVERAGE ZERO DEGREES FAHRENHEIT AND 40FT-LBS AT SEVENTY DEGREES FAHRENHEIT FOR LOWEST ANTICIPATED SERVICE TEMPERATURE (LAST) OF +50°F. FOR LAST LESS THAN +50°F, SEE AWS D1.8 SUBCLAUSE 6.3.6. CERTIFY CONFORMANCE TO CHARPY V-NOTCH TOUGHNESS REQUIREMENTS WITH TESTS BY AN INDEPENDENT TESTING LABORATORY.
6. GMAW AND FCW-G WELDING PROCESSES SHALL NOT BE PERMITTED WHEN WIND SPEED EXCEEDS 3 MPH.
7. WHERE WELDING IS NOTED, THE DESIGNATION IS GIVEN AS A SUGGESTED CONSTRUCTION PROCEDURE ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR IDENTIFYING THE METHOD OF FABRICATION.
8. ALL SHOP WELDS SHALL BE PERFORMED BY A FABRICATOR LICENSED BY THE LOCAL JURISDICTION.
9. ALL WELDERS SHALL BE QUALIFIED FOR THE WORK THEY WILL BE PERFORMING AND SHALL HAVE CURRENT VALID CERTIFICATIONS ISSUED BY AWS AND THE GOVERNING JURISDICTION.
10. FACES OF FILLET WELDS EXPOSED TO VIEW SHALL HAVE AS-WELDED SURFACES THAT ARE REASONABLY SMOOTH AND UNIFORM. NO FINISHING OR GRINDING SHALL BE REQUIRED, EXCEPT WHERE CLEARANCES OR FIT OF OTHER ITEMS MAY SO NECESSITATE.
11. ALL PARTIAL AND FULL PENETRATION WELDS WHICH ARE EXPOSED TO VIEW SHALL BE GROUND SMOOTH AND FLUSH WITH FINISH SURFACE OF STEEL. HOLES SHALL BE FILLED WITH WELD METAL OR BODY SOLDER AND SMOOTHED BY GRINDING OR FILING.
12. CLEAN GROOVE PREPARATION THERMAL CUTS BY GRINDING.
13. WELDS SHALL BE TERMINATED AT THE END OF A JOINT IN A MANNER THAT WILL ENSURE SOUND WELDS. WHENEVER NECESSARY THIS SHALL BE DONE BY USE OF EXTENSION BARS AND RUN OFF TABS.
14. A WRITTEN "WELDING PROCEDURE SPECIFICATION" (WPS), PER AWS D1.1, SHALL BE DEVELOPED BY THE FABRICATOR/ERECTOR, AND REVIEWED BY THE OWNER'S REPRESENTATIVE AND BUILDING DEPARTMENT. THE WPS SHALL CONTAIN ALL THE NECESSARY INFORMATION REQUIRED BY THE CODE, THE SPECIFICATIONS, AND ANY OTHER INFORMATION NECESSARY TO PRODUCE WELDS THAT ARE IN COMPLIANCE WITH THESE REQUIREMENTS. THE WPS SHALL INCLUDE THE WELDING PARAMETERS RECOMMENDED BY THE ELECTRODE MANUFACTURER. ALL WELDERS AND INSPECTORS SHALL ADHERE TO THE WPS AND SHALL RETAIN A COPY.
15. PROVISION FOR WELDING HEAT EFFECTS: A SEQUENCE OF FIELD WELDING SHALL BE PLANNED TO MINIMIZE LOCKED IN STRESSES AND DISTORTION AND SHALL BE SUBMITTED TO THE ENGINEER AT TIME OF SHOP DRAWING SUBMITTAL. THE OWNER'S REPRESENTATIVE SHALL APPROVE ANY PROPOSED DEVIATIONS FROM THE DETAILS SHOWN ON THE DRAWINGS. THE PROCEDURES AND THE DETAILS USED SHALL RESULT IN COMPLETED CONNECTIONS, WHICH ARE IN FULL COMPLIANCE WITH THE INTENT OF THE DETAILS SHOWN ON THE DRAWINGS AND SPECIFICATIONS. THE SEQUENCE OF FIELD WELDING, BOTH IN THE JOINTS AND FRAMES AS A WHOLE, SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT FOR APPROVAL. NO FIELD WELDING SHALL BE PERFORMED PRIOR TO BUILDING DEPARTMENT APPROVAL.



48 east holly street
pasadena, ca 91103
tel: 626.793.9805 · fax: 626.793.9807

MARTIN & associates
JOHN A. MARTIN & ASSOCIATES
Structural Engineers
950 S. Grand Avenue
Los Angeles, Calif. 90015
Phone (213) 483-6490
WWW.JOHNAMARTIN.COM
J19229



VENTURA COUNTY MEDICAL CENTER HELIPAD REPLACEMENT

3291 LOMA VISTA ROAD
VENTURA, CA 93003
AGENCY STAMP

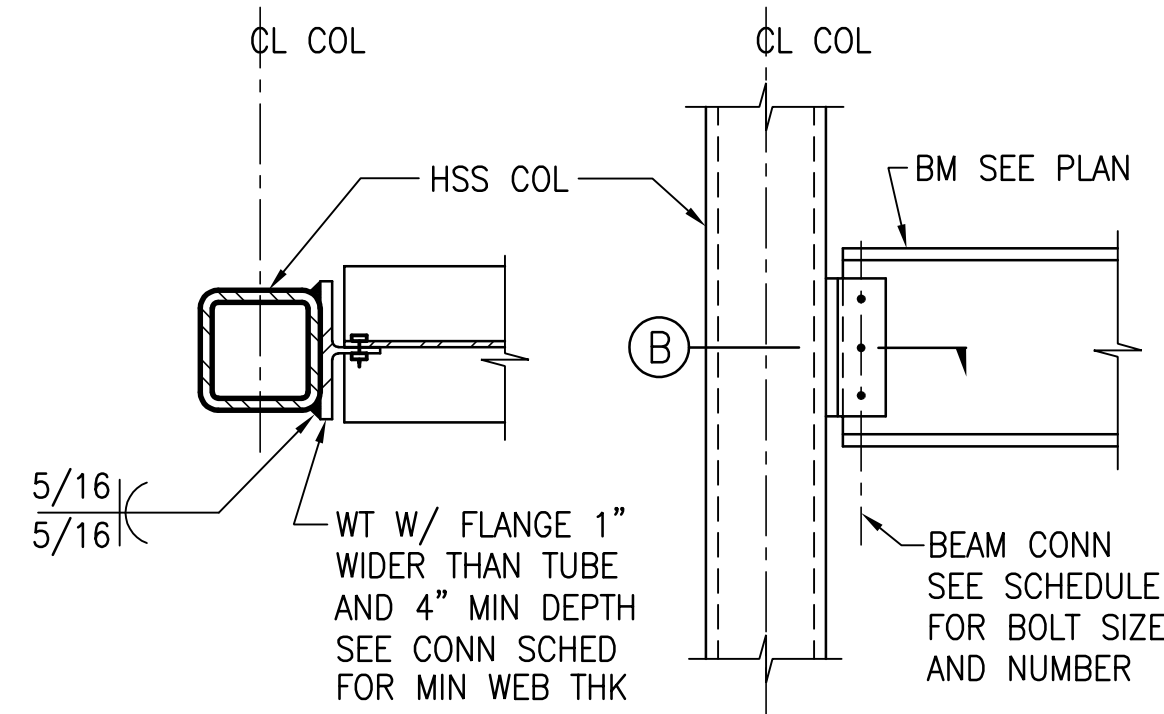
AGENCY NUMBER
ISSUE/REVISION
SD SUBMITTAL 8-27-2020

PROJECT DATA
DATE 08-28-2020
ARCHITECT SW
CHECKED BY SF
DRAWN BY AP
PROJECT NO. 20190097
SHEET TITLE

GENERAL NOTES

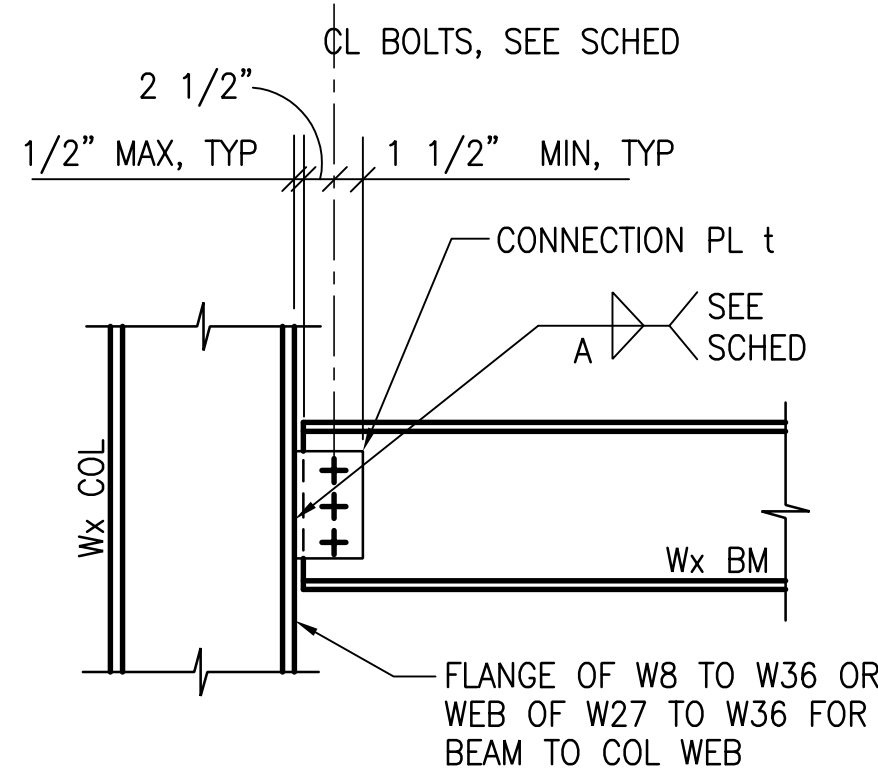
SHEET NO.

S-0.02

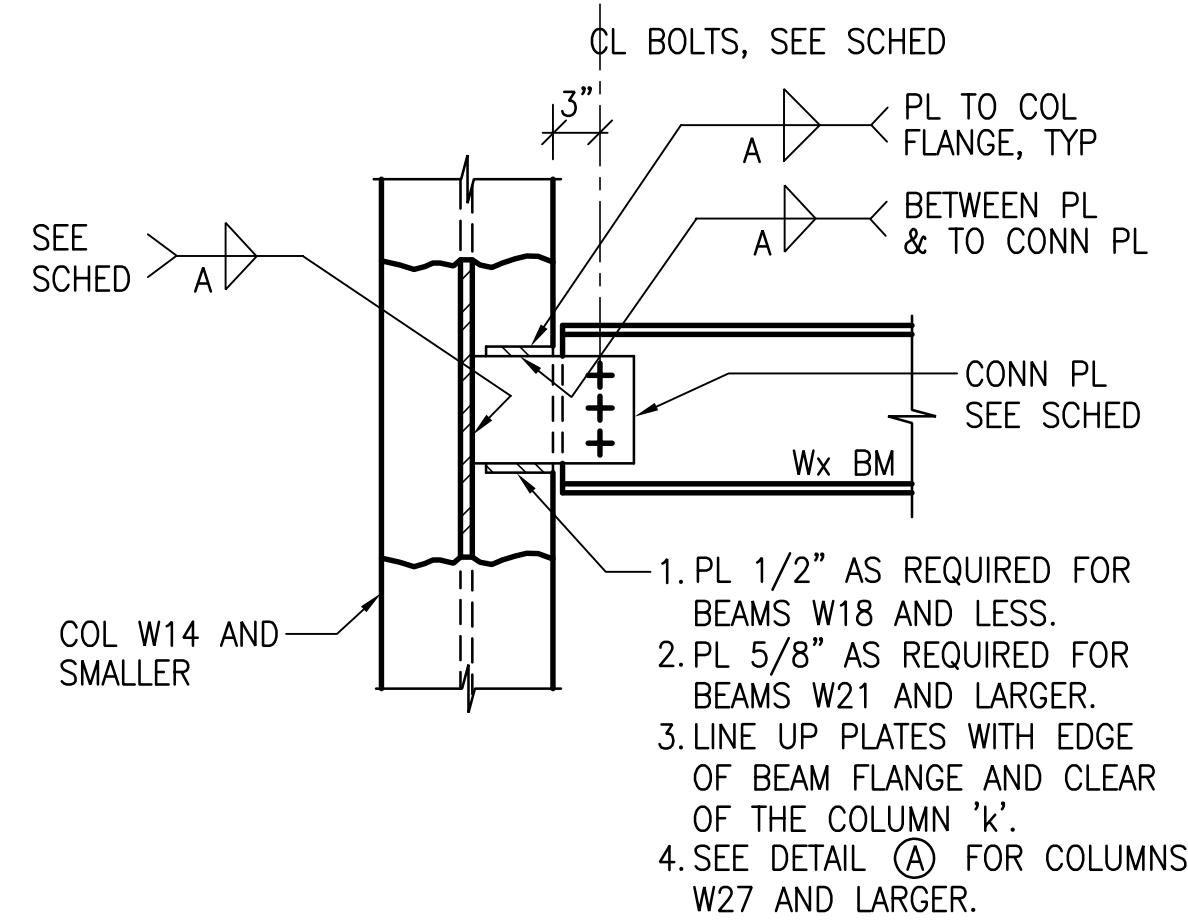


PLAN SECTION (B) ELEVATION (A)

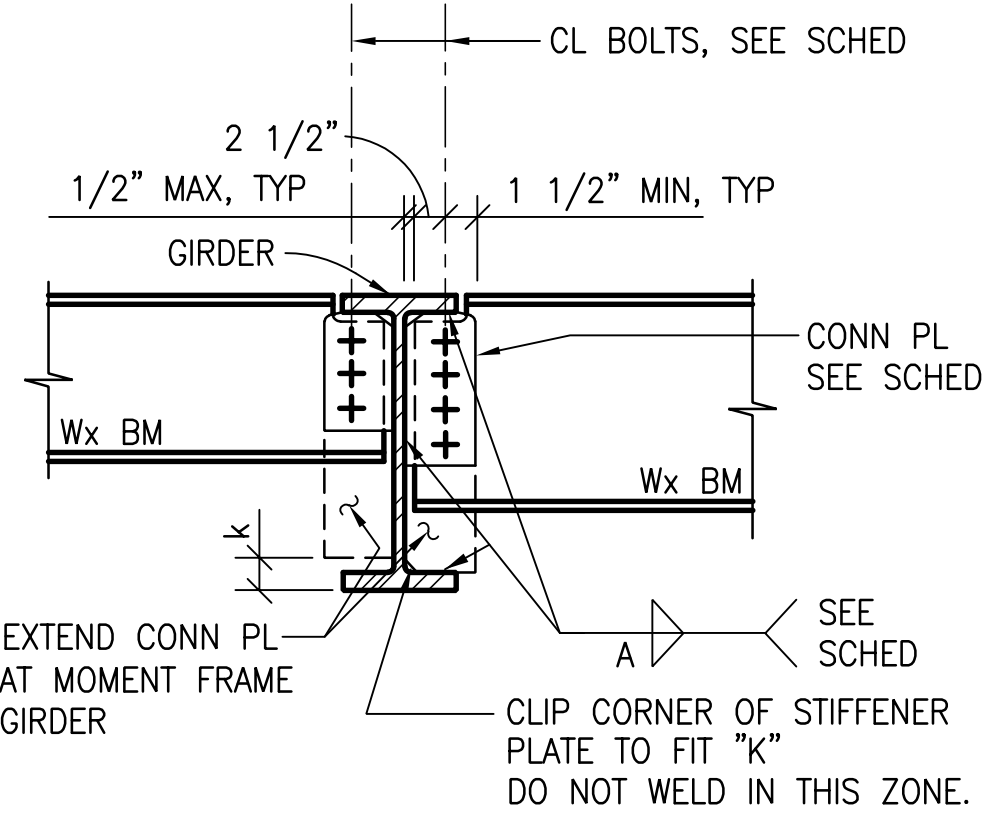
WF BEAM TO SQ OR RECTANGULAR HSS COL 5



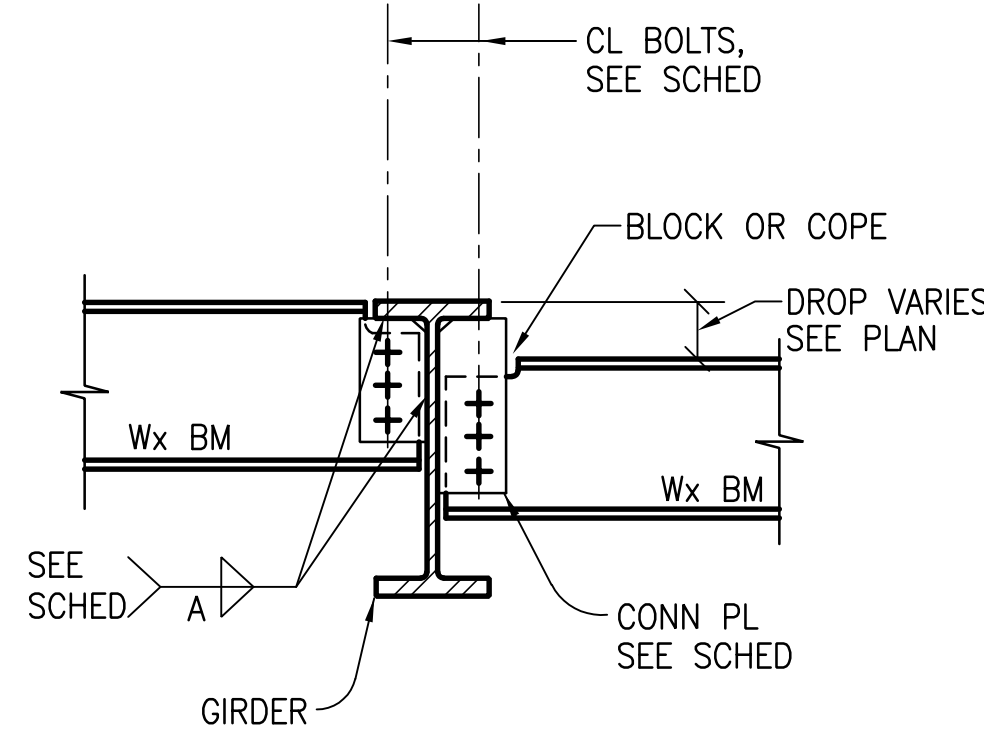
BEAM TO COLUMN FLANGE OR DEEP COLUMN WEB (A)



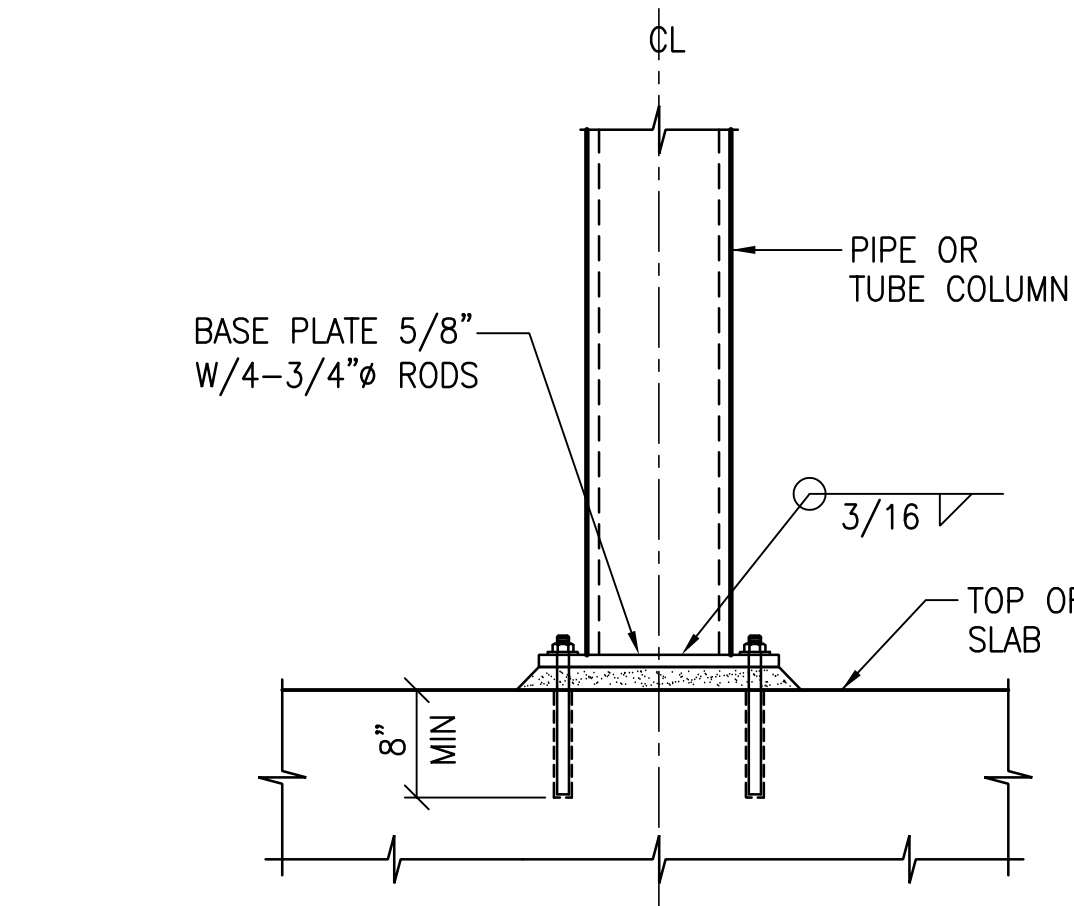
BEAM TO COLUMN WEB (B)



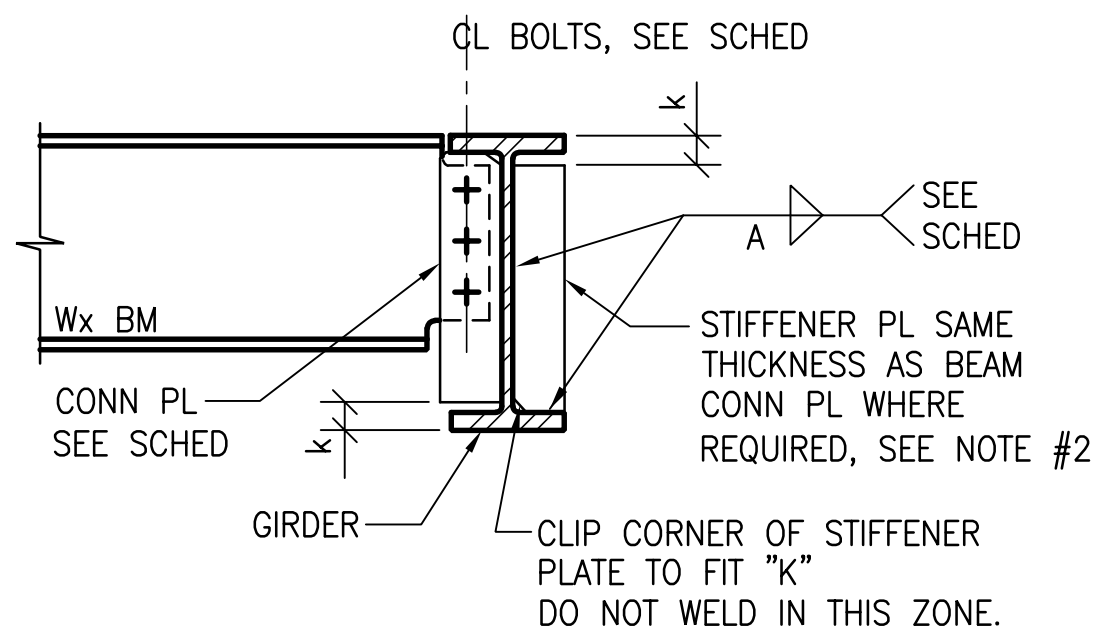
TYPICAL BEAM (C)



DROPPED BEAM (D)

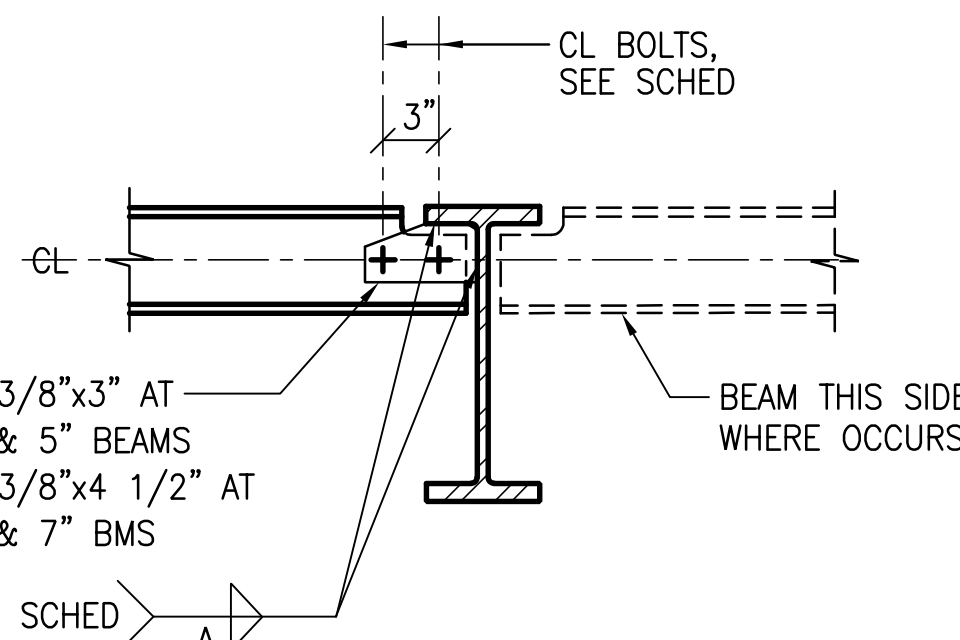


PIPE OR TUBE POST TO CONCRETE 10



- NOTES:
- ONE SIDED CONNECTION OCCURS WHERE OPPOSITE BEAMS ARE OFFSET BY 12" OR MORE.
 - PROVIDE STIFFENER PL AT MOMENT FRAME GIRDER (3/8" MIN) WHERE BEAM DEEPER THAN 14" FRAMES INTO GIRDER WHERE "BEAM BOTTOM FLANGE BRACING" DETAIL IS NOT PROVIDED. PROVIDE 3/8" STIFFENER PL THIS SIDE AT NON-MOMENT FRAME GIRDER WHERE BUILDING EXTERIOR ATTACHES TO GIRDER.

ONE SIDE BEAM CONNECTION (E)



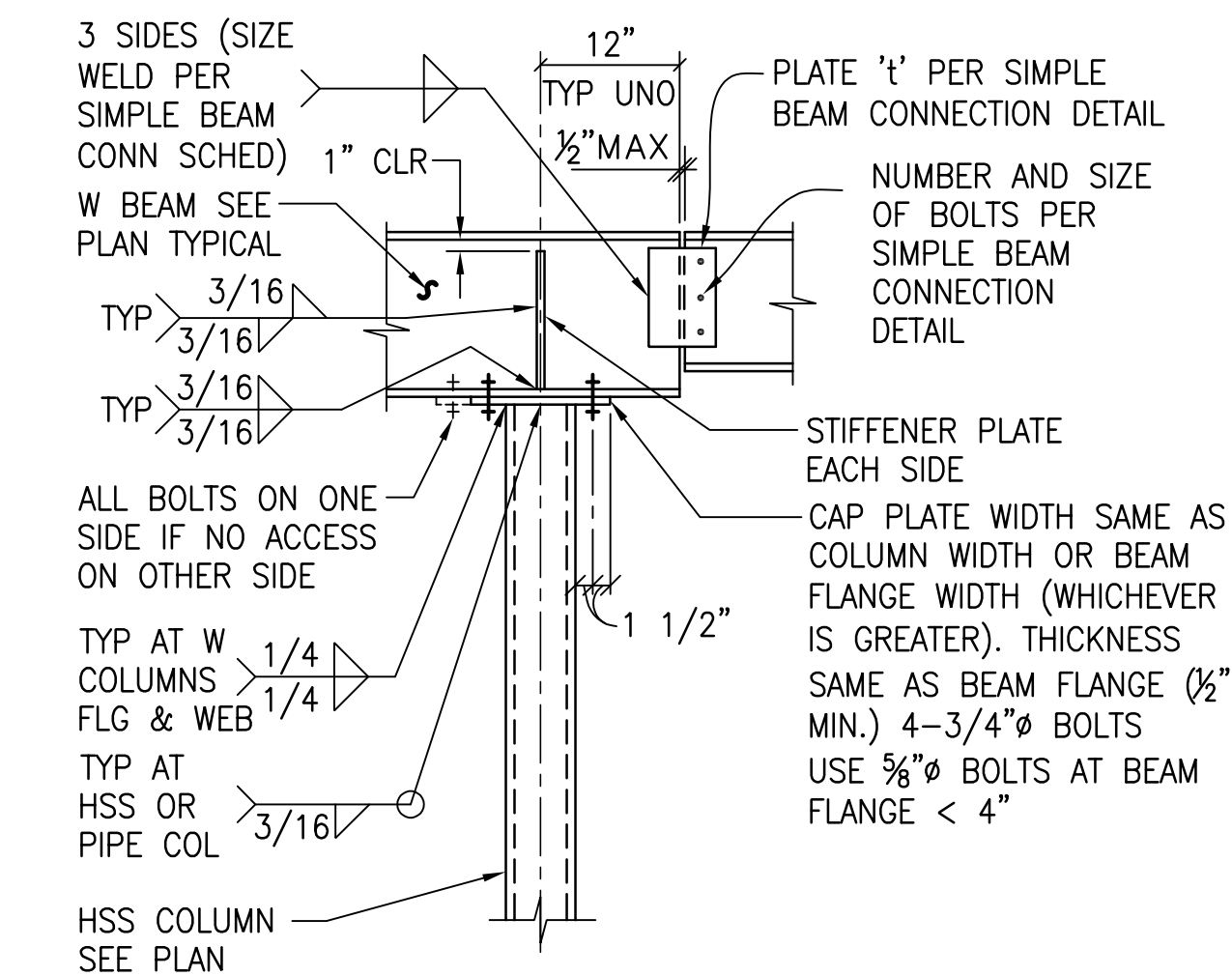
BEAM 4" TO 7" (F)

SIMPLE BEAM CONNECTION SCHEDULE				
SHEAR PL CONNECTION				
MEMBER (DEPTH)	# OF BOLTS	CONN PLATE t	WELD SIZE A	
< 8"	2	5/16"	1/4"	
8" - 10"	2	5/16"	1/4"	
12" - 14"	3	5/16"	1/4"	
15" - 16"	4	3/8"	5/16"	
18"	5	3/8"	5/16"	
20" & 21"	5	1/2"	3/8"	
24"	6	1/2"	3/8"	
27"	7	1/2"	3/8"	
30" & 33"	8	5/8"	3/8"	
36"	10	5/8"	3/8"	
40"	11	5/8"	3/8"	

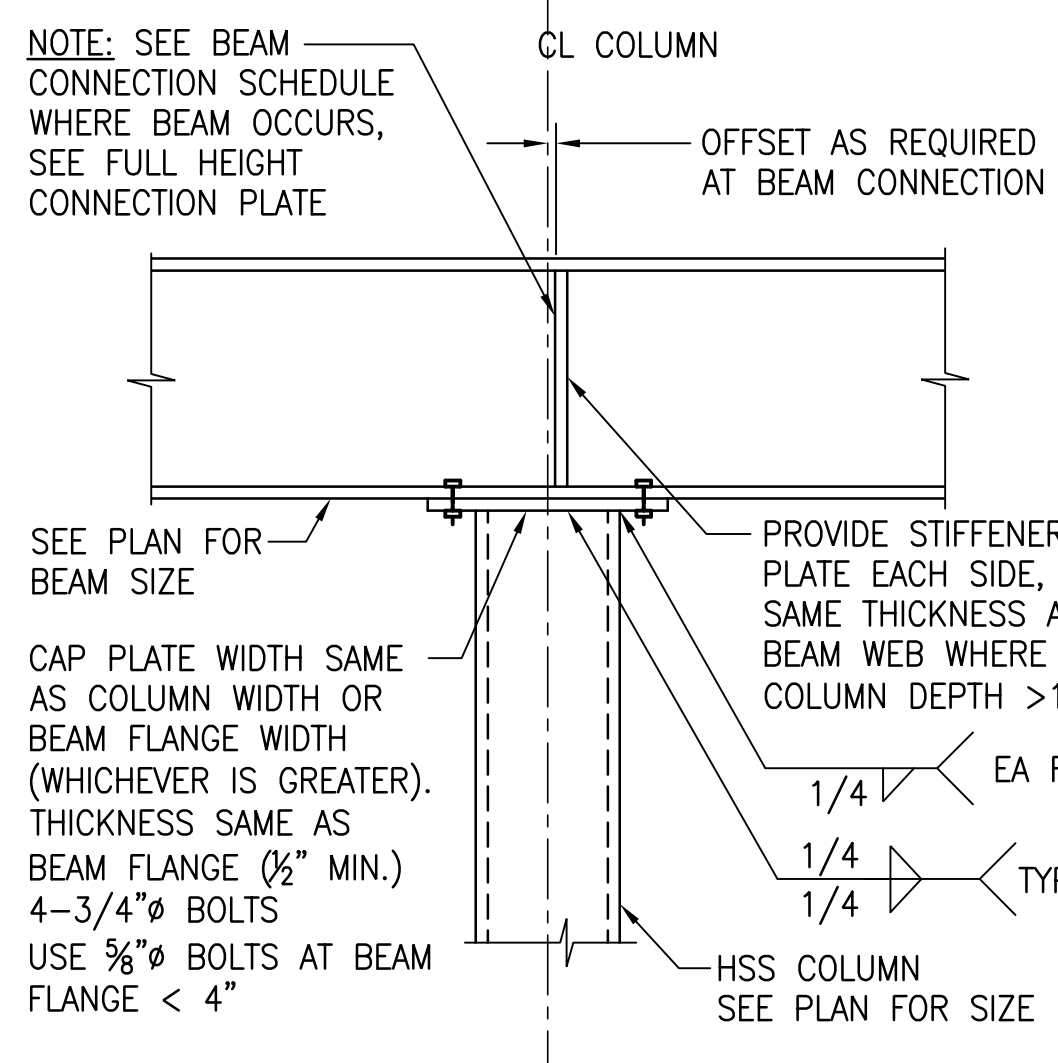
NOTES:

- FILLET WELD SIZE SHALL BE AS SHOWN UNLESS A GREATER SIZE IS REQUIRED BY AISC TABLE J2.4.
- ALL BOLTS ARE 1"Ø (UNLESS NOTED OTHERWISE) AND ARE TO BE A325 BOLTS, SLIP CRITICAL (SC).
- BOLT SPACING TO BE 3 TIMES BOLT DIAMETER, 3" MINIMUM, UNLESS NOTED OTHERWISE.
- DOUBLE ANGLES MAY BE SUBSTITUTED FOR CONNECTOR PLATES, PROVIDED THEY MEET OR EXCEED THE REQUIREMENTS OF THE AISC.

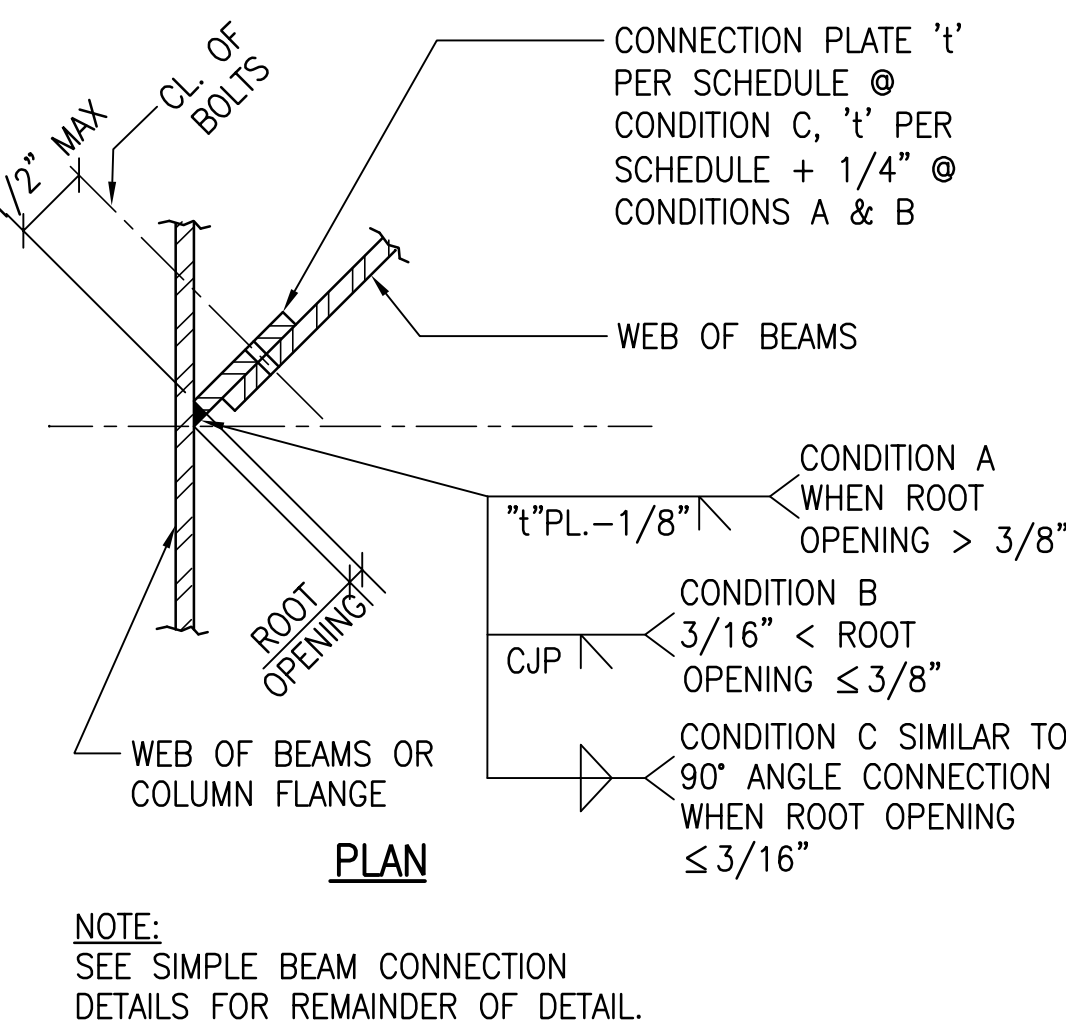
SIMPLE BEAM CONNECTION DETAILS 6



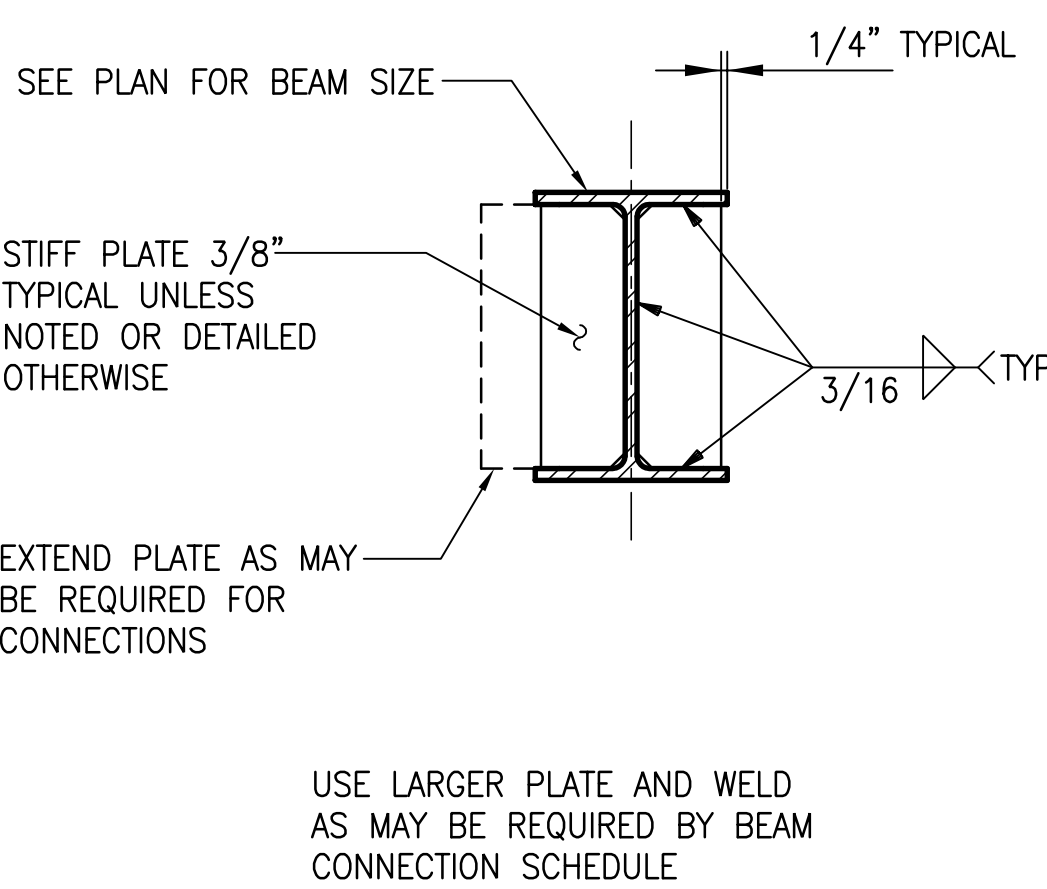
TYP WF BM OVER THE TOP OF HSS COL 15



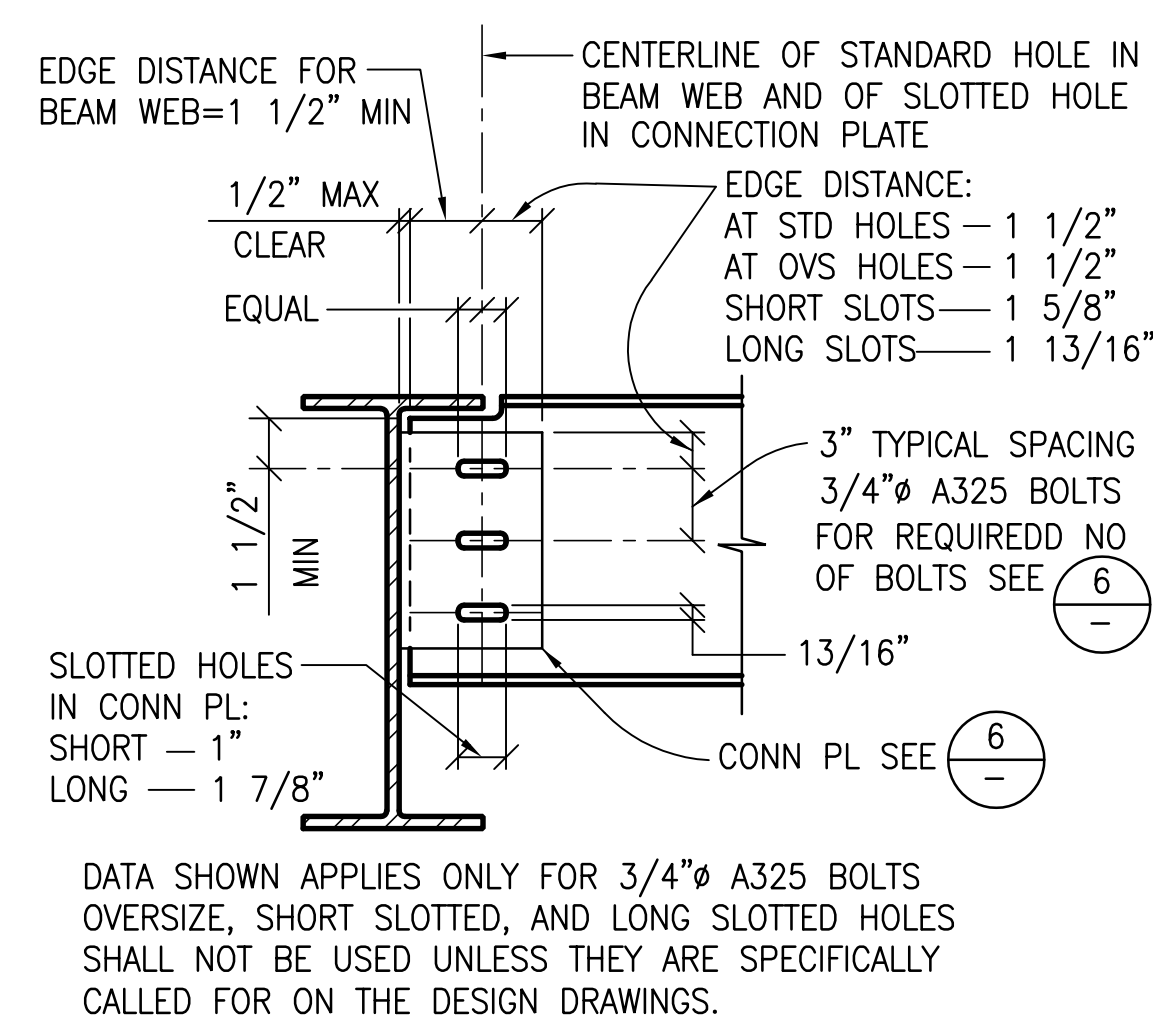
BEAM TO COLUMN 14



TYPICAL SKEWED BEAM CONNECTION 13



STIFFENER PLATES 12



SLOTTED BOLT HOLES 11



48 east holly street
pasadena, ca 91103
tel: 626.793.9805 · fax: 626.793.9807

JOHN A. MARTIN & ASSOCIATES
Structural Engineers
950 S. Grand Avenue
Los Angeles, Calif. 90015
Phone (213) 483-6490
WWW.JOHNMARTIN.COM
J19229



VENTURA COUNTY MEDICAL CENTER
HELIPAD REPLACEMENT

3291 LOMA VISTA ROAD
VENTURA, CA 93003
AGENCY STAMP

AGENCY NUMBER
ISSUE/REVISION
SD SUBMITTAL 8-27-2020

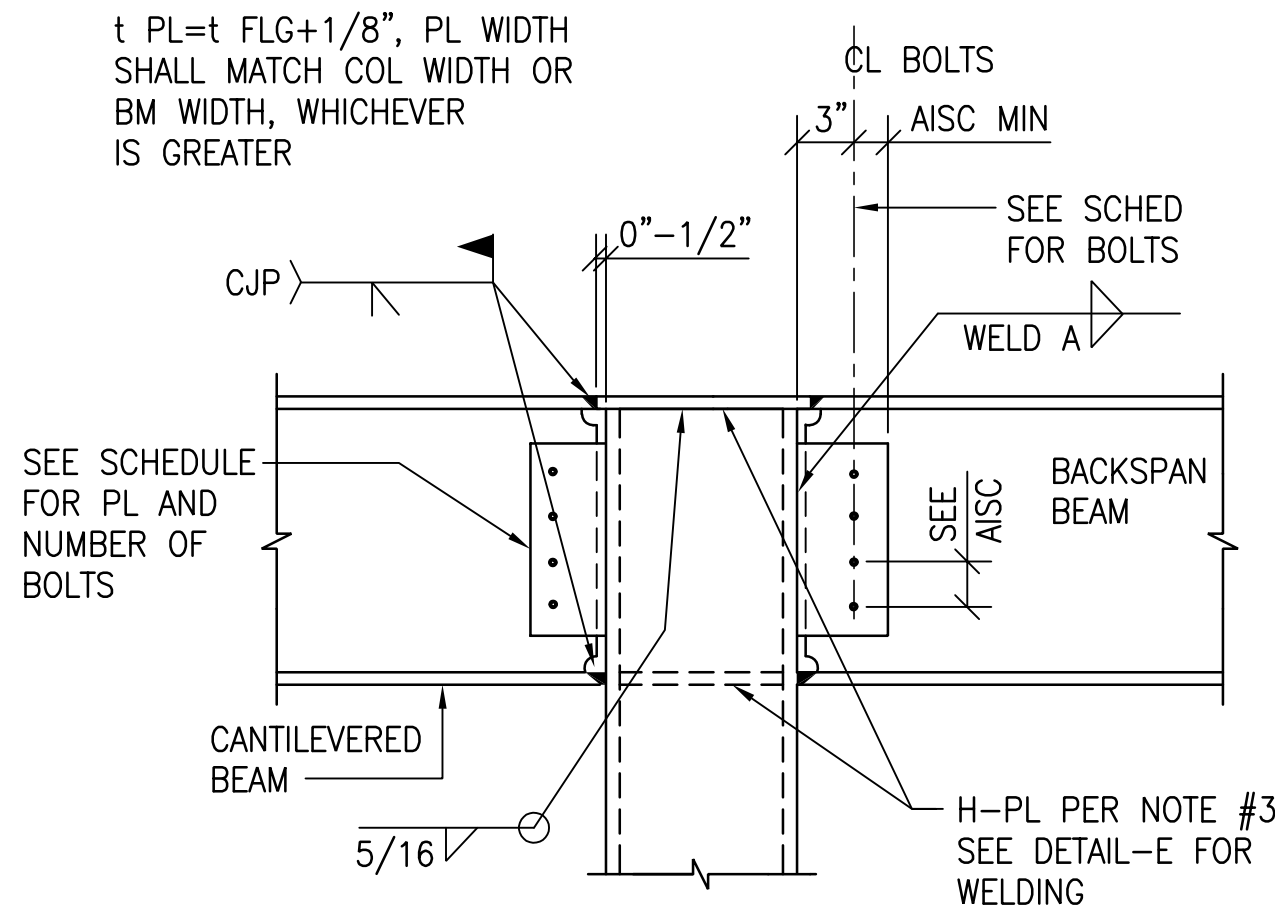
PROJECT DATA
DATE 08-28-2020
ARCHITECT SW
CHECKED BY SF
DRAWN BY AP
PROJECT NO. 20190097
SHEET TITLE

TYPICAL DETAILS

SHEET NO.

S-1.01

G:\0019000\19229 VENTURA COUNTY MEDICAL CENTER - HELIPAD REPLACEMENT\DRAWING\STRUCTURAL\102-19229.DWG - 8/26/2020 5:43 PM



CANTILEVERED BEAM TO TOP OF COLUMN

NON-SEISMIC BEAM CONNECTION SCHEDULE			
BEAM (DEPTH)	NUMBER OF 1" DIAMETER A325SC BOLTS (ALT A490SC)	CONN PL t	WELD SIZE A
< 8"	2	3/8"	1/4
8" TO 10"	2	5/16"	1/4
12" TO 14"	3	5/16"	1/4
15" TO 16"	4	3/8"	5/16
18"	5	3/8"	5/16
20" TO 21"	5	1/2"	3/8
24"	6	1/2"	3/8

NON-SEISMIC MOMENT FRAME CANTILEVER DETAIL

NTS

- NOTES:
- SEE PLANS AND SCHEDULE FOR BEAM & COLUMN SIZES AND COLUMN ORIENTATION. A TRIANGLE AT THE END OF SINGLE STEEL BEAMS & GIRDERS (\triangle) INDICATES RIGID CONNECTION CENTERED ON COLUMN CENTERLINE UNO.
 - ABBREVIATIONS: H-PL: HORIZONTAL COLUMN STIFFENER PLATES
CP: COMPLETE PENETRATION BUTT WELD
UNO: UNLESS OTHERWISE NOTED
tw: BEAM WEB THICKNESS
 - H-PL: UNO, HORIZONTAL & WEB CONNECTION PLATES SHALL BE THE SAME GRADE MATERIALS AS THE CONNECTING BEAM. COLUMN HORIZONTAL STIFFENER PLATES (H-PL) TO BE AS THICK AS THE THICKEST BEAM FLANGE BEING RIGIDLY CONNECTED TO THE COLUMN FLANGE LESS 1/4". WHERE RIGIDLY CONNECTED BEAMS FRAME INTO THE COLUMN WEB, HORIZONTAL PLATE THICKNESS IS TO BE AT LEAST THE THICKNESS OF THE BEAM FLANGES. TAPER H-PL PER AWS WHERE THICKER PL IS USED. PLATES TO BE MIN 1/2" THICK FOR COLUMN DEPTH UP TO 16", 5/8" THICK FOR DEPTHS IN EXCESS OF 16".
 - FILLET WELD SIZES SHALL BE AS SHOWN UNLESS A GREATER SIZE IS REQUIRED BY AISC 360-05 TABLE J2.4.
 - WHERE DOUBLE ROW OF BOLTS ARE REQUIRED, USE MAXIMUM NUMBER POSSIBLE IN FIRST ROW AND BALANCE IN SECOND ROW.
 - a) FULL ULTRASONIC INSPECTION SHALL BE PROVIDED ON ALL COMPLETE PENETRATION GROOVE WELDS CONTAINED IN JOINTS AND SPLICES (TESTED 100 PERCENT).
THE NONDESTRUCTIVE TESING RATE FOR AN INDIVIDUAL WELDER OR WELDING OPERATOR MAY BE REDUCED TO 25 PERCENT, PROVIDED THE REJECT RATE IS DEMONSTRATED TO BE 5 PERCENT OR LESS OF THE WELDS TESTED FOR THE WELDER OR WELDING OPERATOR. A SAMPLING OF AT LEAST 40 COMPLETED WELDS FOR REJECT RATE IS DEFINED AS THE NUMBER OF WELDS CONTAINING REJECTABLE DEFECTS DIVIDED BY THE NUMBER OF WELDS COMPLETED. FOR EVALUATING THE REJECT RATE OF CONTINUOUS WELDS OVER 3 FEET IN LENGTH WHERE THE EFFECTIVE THROAT THICKNESS IS 1 INCH OR LESS, EACH 12 INCH INCREMENT OR FRACTION THEREOF SHALL BE CONSIDERED AS ONE WELD. FOR EVALUATING THE REJECT RATE ON CONTINUOUS WELDS OVER 3 FEET IN LENGTH WHERE THE EFFECTIVE THROAT THICKNESS IS GREATER THAN 1 INCH, EACH 6 INCHES OF LENGTH OR FRACTION THEREOF SHALL BE CONSIDERED ONE WELD.
b) PARTIAL PENETRATION GROOVE WELDS, WHEN USED IN COLUMN SPLICES, SHALL BE TESTED EITHER BY ULTRASONIC TESTING OR RADIOGRAPHY.
c) BASE METAL THICKER THAN 1 1/2 INCHES, WHEN SUBJECTED TO THROUGH THICKNESS WELD SHRINKAGE STRAINS, SHALL BE ULTRASONICALLY INSPECTED FOR DISCONTINUITIES.



48 east holly street
pasadena, ca 91103
tel: 626.793.9805 · fax: 626.793.9807

MARTIN & associates
JOHN A. MARTIN & ASSOCIATES
Structural Engineers
950 S. Grand Avenue
Los Angeles, Calif. 90015
Phone (213) 483-6490
WWW.JOHNAMARTIN.COM
J19229



VENTURA COUNTY
MEDICAL CENTER
HELIPAD
REPLACEMENT

3291 LOMA
VISTA ROAD
VENTURA, CA 93003
AGENCY STAMP

AGENCY NUMBER
ISSUE/REVISION
SD SUBMITTAL 8-27-2020

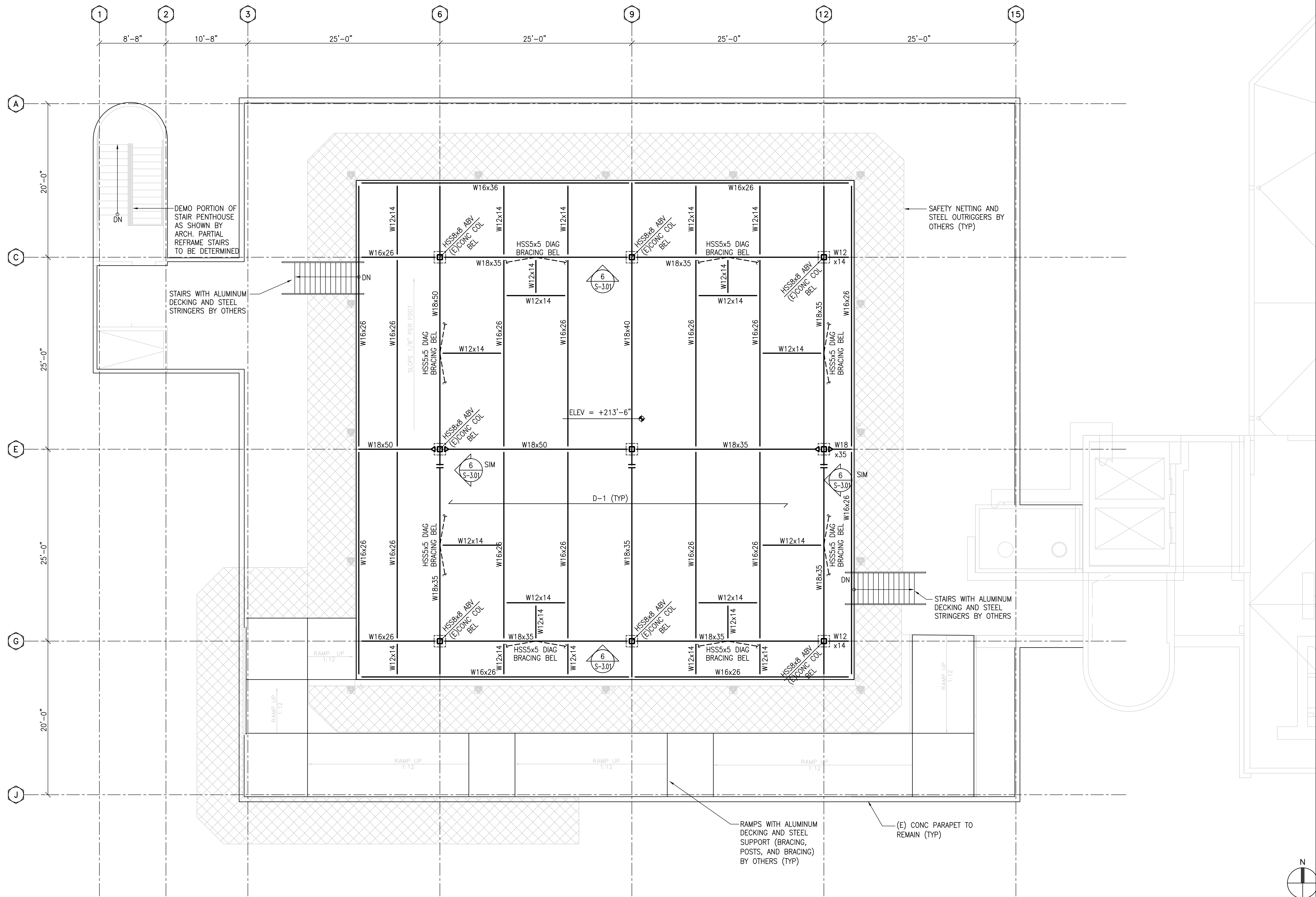
PROJECT DATA
DATE 08-28-2020
ARCHITECT SW
CHECKED BY SF
DRAWN BY AP
PROJECT NO. 20190097
SHEET TITLE

TYPICAL DETAILS

SHEET NO.

S-1.02

G:\JOB19000\19229 VENTURA COUNTY MEDICAL CENTER - HELIPAD REPLACEMENT\DRAWINGS\STRUCTURAL\201-19229.DWG - 8/27/2020 6:47 PM



ROOF FRAMING PLAN

3/16"=1'-0"

A

PLAN NOTES

1. REFER TO AND CHECK WITH ARCHITECTURAL DRAWINGS FOR ROOF SLOPES, GUTTERS, VENTS, DRAINS, SADDLES ETC., AND DIMENSIONS NOT SHOWN. REFER TO AND CHECK WITH MECHANICAL DRAWINGS FOR DUCT OPENINGS, EQUIPMENT SIZE AND LOCATION ETC. LOCATE SUPPORTING MEMBERS ACCORDINGLY.
2. GENERAL NOTES AND TYPICAL DETAILS SEE S1.X THRU S1.X.
3. VERIFY ALL FINISHED ROOF ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
4. BEAMS SHALL BE EQUALLY SPACED ACROSS Wx GIRDERS UNLESS SHOWN OR NOTED OTHERWISE ON PLANS.

LEGEND

- D-1 INDICATES ALUMINUM HELIPAD DECKING BY OTHERS (TYP)
- ELEV=0'-0" INDICATES TOP OF DECKING ELEVATION COORDINATE WITH ARCH
- INDICATES CANTILEVERED CONNECTION SEE DETAIL X/X



48 east holly street
pasadena, ca 91103
tel: 626.793.9805 · fax: 626.793.9807

MARTIN & ASSOCIATES
JOHN A. MARTIN
Structural Engineers
950 S. Grand Avenue
Los Angeles, Calif. 90015
Phone (213) 483-6490
WWW.JOHNAMARTIN.COM
J19229



VENTURA COUNTY
MEDICAL CENTER
HELIPAD
REPLACEMENT

3291 LOMA
VISTA ROAD
VENTURA, CA 93003
AGENCY STAMP

AGENCY NUMBER
ISSUE/REVISION
SD SUBMITTAL 8-27-2020

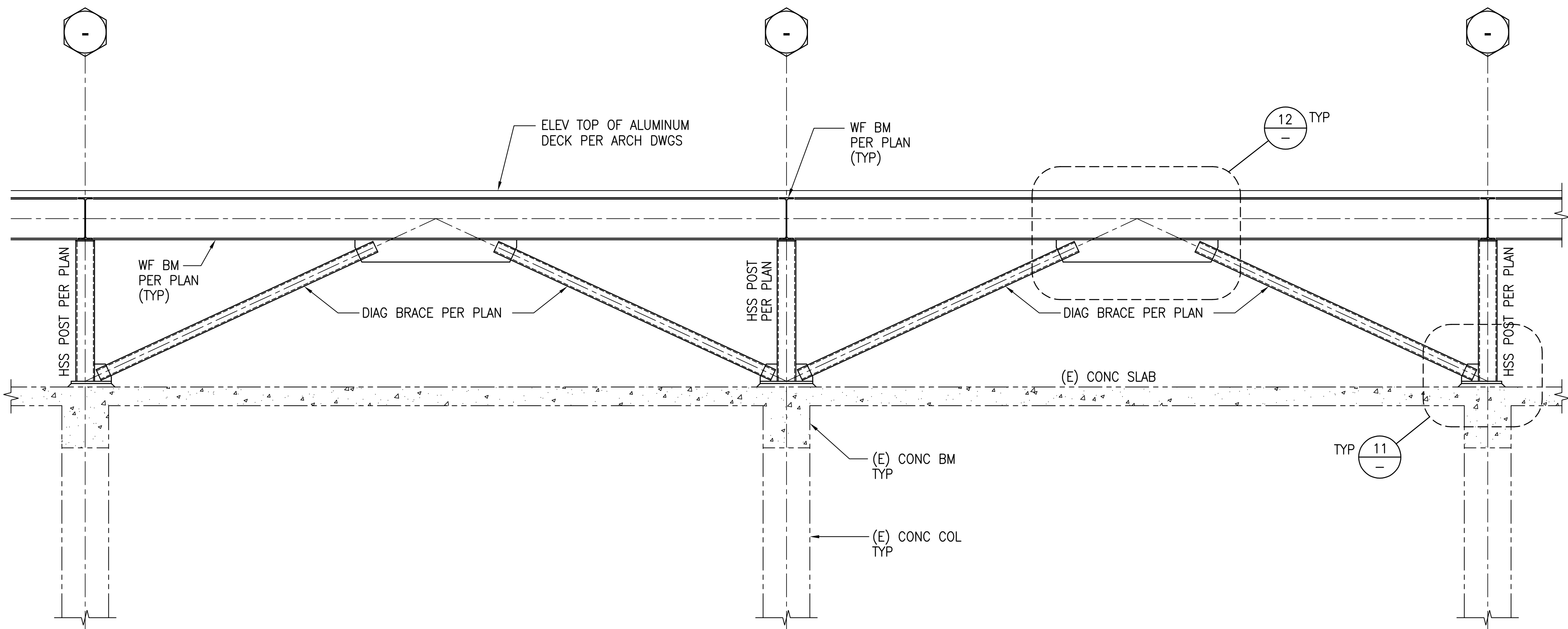
PROJECT DATA
DATE 08-28-2020
ARCHITECT SW
CHECKED BY SF
DRAWN BY AP
PROJECT NO. 20190097
SHEET TITLE

ROOF FRAMING
PLAN

SHEET NO.

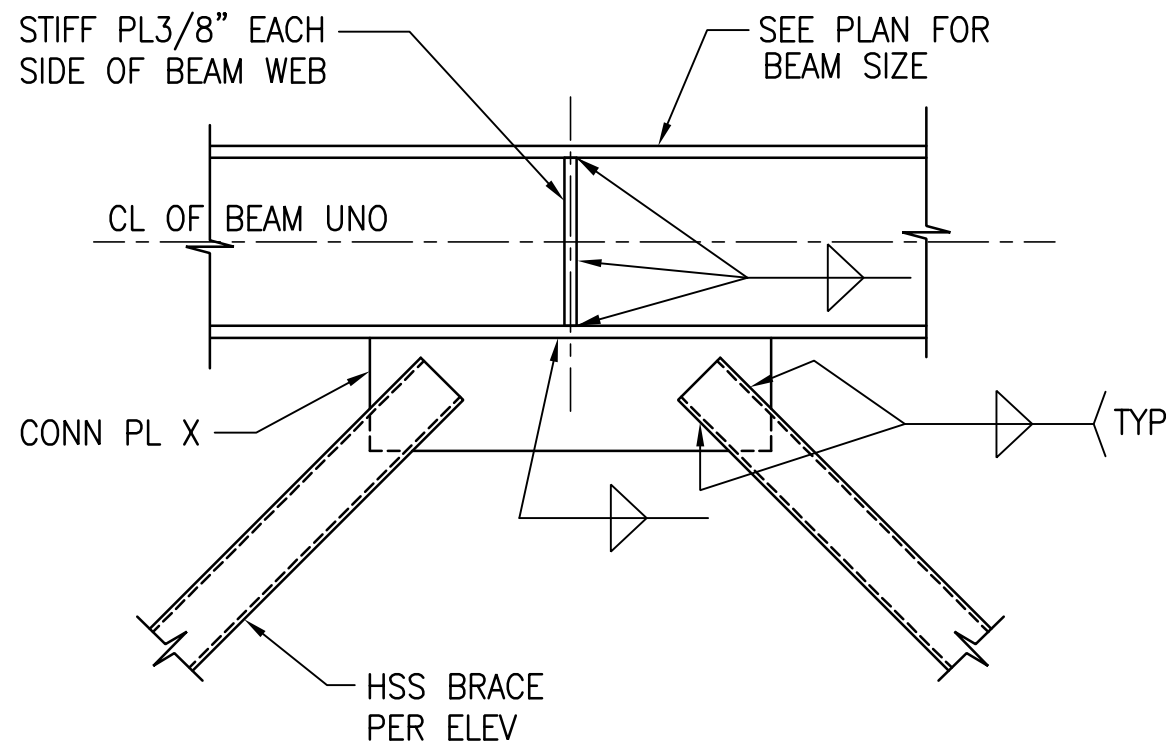
S-2.01

G:\JOB19000\19229 VENTURA COUNTY MEDICAL CENTER - HELIPAD REPLACEMENT\DRAWING\STRUCTURAL\301-19229.DWG - 8/26/2020 5:46 PM



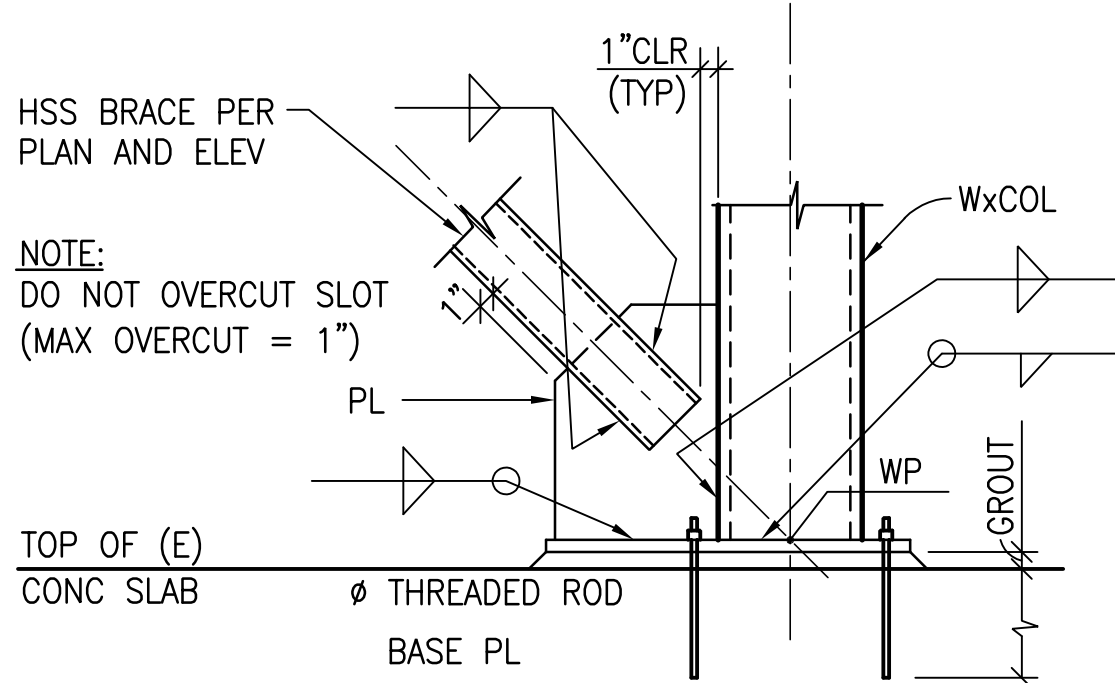
BRACE FRAME ELEVATION TYP EACH SIDE
3/8"=1'-0"

6



BRACE CONN DETAIL
3/4" = 1'-0"

12



BRACE CONN DETAIL
3/4" = 1'-0"

11



48 east holly street
pasadena, ca 91103
tel: 626.793.9805 · fax: 626.793.9807

MARTIN & associates
JOHN A. MARTIN & ASSOCIATES
Structural Engineers
950 S. Grand Avenue
Los Angeles, Calif. 90015
Phone (213) 483-6490
WWW.JOHNAMARTIN.COM
J19229



VENTURA COUNTY
MEDICAL CENTER
HELIPAD
REPLACEMENT

3291 LOMA
VISTA ROAD
VENTURA, CA 93003
AGENCY STAMP

AGENCY NUMBER
ISSUE/REVISION
SD SUBMITTAL 8-27-2020

PROJECT DATA
DATE 08-28-2020
ARCHITECT SW
CHECKED BY SF
DRAWN BY AP
PROJECT NO. 20190097

SHEET TITLE
BRACE FRAME
ELEVATION AND
DETAILS

SHEET NO.

S-3.01