

LAGUNA SEC TART-FINISH BRIDG COUNTY OF MONTEREY

Project / Owner:

LAGUNA SECA

START-FINISH

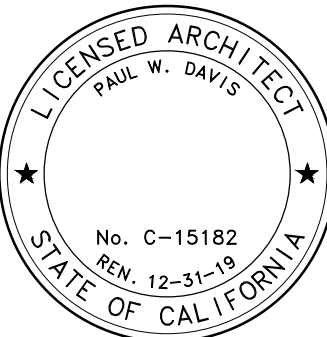
BRIDGE

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

APN: 173-011-023-000

**THE
PAUL DAVIS
PARTNERSHIP**
ARCHITECTS & PLANNERS

*The Paul Davis Partnership, LLP
286 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com*



Drawn By: ML, VQ

Drawn By: ML, VQ

Drawing Date: 04/06/18

Project Number: 1725

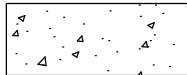
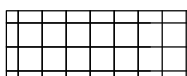
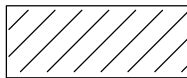
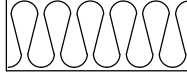



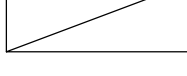




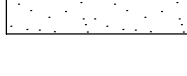
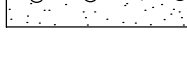
Revisions

Sheet Title:

COVER SHEET

Sheet Number

A0.1

MATERIALS	GENERAL NOTES	PROJECT DIRECTORY	PROJECT DATA	SHEET INDEX
<div><div> CONCRETE</div><div> CERAMIC TILE OR TILE PAVERS IN PLAN VIEW (SEE FINISH SCHEDULE)</div><div> MASONRY</div><div> BATT INSULATION IN SECTION</div><div> RIGID INSULATION IN SECTION</div><div> FINISH WOOD MEMBER IN SECTION</div><div> CONTINUOUS WOOD MEMBER IN SECTION</div><div> WOOD BLOCKING BETWEEN FRAMING MEMBERS IN SECTION</div><div> PLYWOOD IN SECTION</div><div> STEEL IN SECTION</div><div> ACOUSTIC TILE CEILING MATERIAL IN SECTION</div><div> EARTH IN SECTION</div><div> SAND</div><div> ROCKFILL</div></div> <div>SEE FLOOR PLANS & SECTIONS FOR ADDITIONAL LEGENDS</div>	<p>General Notes</p> <ol style="list-style-type: none">All work shall comply with the applicable sections of the 2013 edition of the California Building Code, Plumbing Code, Mechanical Code, Fire Code, Electrical Code & Energy Code and the requirements of the County of Monterey.Drawings and Specifications. Any part of the work not mentioned in the specifications but shown on the drawings or any part not shown on the drawings but described in the specifications shall be done as if fully described in the specifications and shown on the drawings. Where work is not dimensioned, calculated dimensions shall govern. Scaled dimensions shall not be used.Dimensions shall take precedence over scale at all times and large scale details shall take precedence over smaller scale details. Dimensions are to face of framing which includes face of sheathing if it exists. The contractor shall verify all details and dimensions and shall be held responsible for the correctness of same. The segregation of various items of work under specified headings in the specifications is only done for the convenience of bidders. The contractor assumes all responsibility in connection with proper and completed bids whether any and all items of work are shown under the proper headings or not.Errors and Omissions. The contractor shall not take advantage of any manifestly unintentional error or omission in the drawings and/or specifications. He will be expected to furnish all necessary items of materials, labor, etc. which sound construction demands and which are necessary to make a complete and perfect job to the true intended meaning of these specifications, shown on the drawings or not. Should there be any discrepancies in the drawings or these specifications, the contractor shall call it to the attention of the Architect in writing and shall receive instructions before proceeding with that part of the work.Temporary Facilities - The general contractor shall provide all water, electricity, power and light necessary to carry out all work. Furnish and erect all necessary sheds for storage and for protection of materials from the elements. Each subcontractor shall be responsible for his shed requirements. The general contractor shall provide ample toilet facilities for all workers on the site and maintain toilet facilities in a sanitary and healthful condition at all times. Remove at completion of building construction.All staging, scaffolding, shoring, etc. shall be designed, furnished, erected, maintained, and dismantled in conformance with all applicable Code Requirements and regulations by the General Contractor. The Contractor shall be solely responsible for all bracing and shoring required during construction. The Contractor shall not store construction materials or operate equipment in a manner such that the design live loads are exceeded. No construction equipment shall be stored on overhanging framing.The work includes all labor, tools, materials, and equipment required to construct the work and related site work as shown. Contractor will also coordinate the sub-contractors and provide complete and operable systems, etc.Contractor to provide all blocking or support framing required for mechanical, electrical equipment, accessories trim, equipment, etc.At remodeled conditions, meet/match/patch/repair existing surfaces or new work at/or connecting to existing surfaces.At all exterior openings, provide a minimum 3 foot square concrete landing. Threshold height to be 1/2" maximum from exterior surface to interior finish floor.Roof covering minimum Class B. <p>ACCESSIBLE SIGNAGE NOTES</p> <ol style="list-style-type: none">All signs shall comply with Title 24 & CBC, Section 11B - 703.Room identification signage to comply with the following: Braille - Per CBC 11B-703.3 & Table 11B-703.3.1. Proportions - Letters and numbers shall comply with CBC11B-703.2. CHARACTER HEIGHT - CBC 11B-703.2.5. CONTRAST - Characters and symbols shall contrast with their background CBC 11B-703.5.1.International symbol of accessibility to conform to CBC 11B-703.7.2.1 and Figure 11B-703.7.2.1.	<div><div><p>PROJECT OWNER:</p><p>COUNTY OF MONTEREY RESOURCE MANAGEMENT AGENCY 1441 SCHILLING PLACE SOUTH SECOND FLOOR SALINAS, CALIFORNIA 93901</p></div><div><p>PROJECT ARCHITECT:</p><p>THE PAUL DAVIS PARTNERSHIP 286 ELDORADO STREET MONTEREY, CA 93940 (831) 373-2784 PHONE: ext 207 (831) 373-7459 FAX paulw@pauldavispartnership.com CONTACT: PAUL W. DAVIS, A.I.A.</p></div><div><p>CIVIL ENGINEER:</p><p>WHITSON ENGINEERS 6 HARRIS COURT MONTEREY, CA 93940 (831) 649-5225 PHONE (831) 373-5065 FAX rweber@whitsonengineers.com CONTACT: RICH WEBER, PE</p></div><div><p>OWNER'S REPRESENTATIVE:</p><p>DAVID W. PRATT, PROJECT MANAGER II DEPARTMENT OF PUBLIC WORKS 168 WEST ALISAL, SECOND FLOOR SALINAS, CALIFORNIA 93901 831.796.6091 PHONE 831.755.4958 FAX prattdw@co.monterey.ca.us</p></div><div><p>STRUCTURAL ENGINEER:</p><p>PACIFIC ENGINEERING GROUP, INC. 30 RYAN COURT, SUITE 200 MONTEREY, CA 93940 (831) 333-0644 PHONE (831) 333-0645 gk.peg93940@sbcglobal.net CONTACT: GARY KNOTT, S.E.</p></div><div><p>ELECTRICAL DESIGN:</p><p>LIGHTWORKS, INC. 25403 LUCIE LANE SALINAS, CA 93908 (831) 596-3667 PHONE ltwks@aol.com CONTACT: GARY PYBAS</p></div></div> <div>VICINITY MAP</div> <div><p>APPLICABLE CODES:</p><p>2016 Building Standards Administrative Code, Part 1, CBSC 2016 California Building Code (CBC) Part 2, CBSC (2006 IBC & California Amendments) 2016 California Electrical Code (CEC) Part 3, CBSC (2005 NEC & California Amendments) 2016 California Mechanical Code (CMC) Part 4, CBSC (2006 UMC & California Amendments) 2016 California Plumbing Code (CPC), Part 5 CBSC (2006 UPC & California Amendments) 2016 California Energy Code, Part 6 CBSC 2016 California Fire Code, Part 9 CBSC (2006 IFC & California Amendments) 2016 California Referenced Standards, Part 12, CBSC Title 19 C.C.R., Public Safety, SFM Regulations 2016 ADA Standards for Accessible Design NFPA 13, Automatic Sprinkler System, 2013 edition NFPA 72, Notl Fire Alarm Code, (Ca Amended) 2013 Edition (See UL Standard 1971 for "Visual Devices") Monterey County Zoning Ordinance - Title 21</p></div>	<div><p>PROJECT DESCRIPTION: CONSTRUCTION OF NEW PEDESTRIAN BRIDGE & RAMP/STAIR STRUCTURE TO REPLACE EXISTING BRIDGE.</p><p>PROJECT ADDRESS: 1021 MONTEREY / SALINAS HWY SALINAS, CA 93908</p><p>A.P.N. 173-011-023-000</p><p>ZONING: POP-D-S (PUBLIC/QUASI-PUBLIC, DESIGN CONTROL, SITE PLAN REVIEW</p><p>LOT SIZE: 532.14 AC (23,180,188.1 SF)</p><p>CONSTRUCTION TYPE: BRIDGE: TYPE II, B (NON-SPRINKLERED) RAMP/STAIR: TYPE II, B (NON-SPRINKLERED)</p><p>EXISTING AREA: BRIDGE: 1,817 SF PAVED WALK: 1,353 SF TOTAL 3,170 SF</p><p>NEW AREA: (N) BRIDGE: 3,252 SF (N) PAVED WALK: 3,365 SF (N) PLATFORM/STAIR: 1,910 SF (N) RAMP: 6,609 SF (N) LOWER STAIR: 356 SF (N) LOWER RAMP: 3,905 SF TOTAL 19,397 SF</p><p>LANDSCAPING: EXISTING TO REMAIN, NO NEW LANDSCAPING</p></div> <div>CODE ANALYSIS</div>	<div><p>ARCHITECTURAL</p><p>A0.1 COVER SHEET A0.2a CALGREEN - NON RESIDENTIAL CHECKLIST A0.2b CALGREEN - NON RESIDENTIAL CHECKLIST A0.3 CONSTRUCTION WASTE MANAGEMENT A1.0 (E) PARTIAL SITE PLAN A1.1 ENLARGED (E) SITE PLAN / DEMO PLAN A1.2 ENLARGED (N) SITE PLAN A2.1 RAMP / STAIR PLAN A2.2 BRIDGE PLAN A2.3 RAMP / STAIR AT PADDOCK AREA A2.4 NEW STARTER'S STAND A3.1 EXTERIOR ELEVATIONS A3.2 EXTERIOR ELEVATIONS A4.1 BRIDGE SECTION A4.2 BRIDGE / RAMP SECTIONS A7.1 ENLARGED STAIR PLAN & SECTION A7.2 ENLARGED RAMP SECTION A7.3 DETAILS - STAIR / RAMP A8.1 DETAILS - EXTERIOR</p><p>CIVIL</p><p>C0.1 CIVIL COVER SHEET C0.2 CIVIL SPECIFICATIONS C0.3 CIVIL DETAILS C1.1 KEY MAP CIVIL SITE GRADING & DRAINAGE PLAN C1.2 CIVIL SITE GRADING & DRAINAGE PLAN - WEST C1.3 CIVIL SITE GRADING & DRAINAGE PLAN - EAST C1.4 CIVIL SECTIONS C1.5 CIVIL SECTIONS C1.6 CIVIL SECTIONS C1.7 CIVIL SECTIONS C2.1 CIVIL SITE UTILITY PLAN C3.1 TEMPORARY WATER POLLUTION CONTROL PLAN (EROSION & SEDIMENT CONTROL PLAN) C3.2 TEMPORARY WATER POLLUTION CONTROL NOTES & DETAILS</p><p>STRUCTURAL</p><p>S1.0 STRUCTURAL NOTES & TYPICAL DETAILS S2.0 FOUNDATION & FRAMING PLANS S2.1 STRUCTURAL FRAMING ELEVATIONS S2.2 DETAILS S2.3 DETAILS S2.4 STAIR FRAMING PLAN & SECTION S3.0 BRIDGE FRAMING PLANS, ELEVATIONS, SECTION & DETAILS S3.1 BRIDGE ELEVATIONS S3.2 BRIDGE DETAILS S3.3 WEST ABUTMENT ELEVATION & DETAILS S3.4 EAST ABUTMENT ELEVATION & DETAILS S3.5 WEST CONCRETE PANEL ELEVATIONS & DETAILS S3.6 EAST CONCRETE PANEL ELEVATIONS & DETAILS S4.0 EAST APPROACH RAMP FOUNDATION PLAN & DETAILS S4.1 WEST APPROACH RAMP FOUNDATION PLAN & DETAILS S5.5 NEW STARTERS STAND PLANS, SECTION & DETAILS</p><p>ELECTRICAL</p><p>E0.1 NOTES, FIXTURE SCHED., SYMBOLS & DRAWING INDEX E1.1 SITE DEMO PLAN E1.2 SITE PLAN E2.1 BRIDGE LIGHTING PLAN E2.2 RAMP & STAIRS LIGHTING PLAN E4.1 DETAILS E4.2 TITLE 24 E4.3 TITLE 24</p></div>

[illegible]

Z:\Projects\Projects 2017\1725_MOCO Laguna Seca Bridge\Plot Sheets\A02.dwg, 4/13/2018 8:40:34 AM, ARCH full bleed D (36.00 x 24.00 inches)

1. Additions and alterations not altering the drainage path.		
WATER EFFICIENCY AND CONSERVATION		
Meters – 5.303.1. Separate submeters or metering devices shall be installed for the uses described below:		
New buildings or additions in excess of 50,000 square feet. For each individual leased, rented, or other tenant space within the building projected to consume more than 100 gal/day, including, but not limited to, spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop.		
New buildings or additions in excess of 50,000 square feet For water supplied to the following subsystems, where separate submeters for individual building tenants are unfeasible: a) Makeup water for cooling towers where flow through is greater than 500 gpm b) Makeup water for evaporative coolers greater than 6gpm c) Steam and hot-water boilers with energy input more than 500,000 Btu/h		
Excess consumption – 5.303.1.2. For any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day.		
Water conserving plumbing fixtures and fittings – 5.303.3 Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:		
Water closets – 5.303.3.1 The effective flush volume of all water closets shall not exceed 1.28 gpf.		
Urinals – 5.303.3.2 The effective flush volume of urinals shall not exceed 0.5 gpf.		
Single showerheads – 5.303.3.3.1 Showerheads shall have a max. flow rate of not more than 2.0 gpm at 80 psi.		
Multiple showerheads – 5.303.3.3.2 When a shower is served by more than one showerhead, the combined flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 2.0 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.		
Nonresidential lavatory faucets – 5.303.3.4.1 The flow rate shall not exceed 0.5 gpm at 60 psi.		
Kitchen faucets – 5.303.3.4.2 The flow rate shall not exceed 1.8 gpm at 60 psi. Kitchen faucet can temporarily increase the flow rate above the maximum rate, not to exceed 2.2 gpm @ 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.		
Wash fountains – 5.303.3.4.3 The flow rate shall not exceed 1.5 gpm		
Metering faucets – 5.303.3.4.4 The flow rate shall not exceed 0.20 gallons per cycle.		

BSD-127 Form – 2016 CALGreen Non-Residential Mandatory Measures
Updated: 01/30/2017 (hluu/ctm)
Page 3 of 12

space.																				
Designated parking – 5.106.5.2. In new projects or additions of alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel efficient, and carpool/van pool vehicles as shown on Table 5.106.5.2.																				
Electric Vehicle (EV) Charging – 5.106.5.3. [N] Construction shall comply with Section 5.106.5.3.1 or 5.106.5.3.2 to facilitate future installation of electric vehicle supply equipment (EVSE). (Table 5.106.5.3.3)																				
<table><tr><th>Total Number of Actual Parking Spaces</th><th>Number of Required EV Ready Parking Spaces</th></tr><tr><td>0-9</td><td>0</td></tr><tr><td>10-25</td><td>1</td></tr><tr><td>26-50</td><td>2</td></tr><tr><td>51-75</td><td>4</td></tr><tr><td>76-100</td><td>5</td></tr><tr><td>101-150</td><td>7</td></tr><tr><td>151-200</td><td>10</td></tr><tr><td>201 and over</td><td>6 percent of total (round up to nearest whole number)</td></tr></table>	Total Number of Actual Parking Spaces	Number of Required EV Ready Parking Spaces	0-9	0	10-25	1	26-50	2	51-75	4	76-100	5	101-150	7	151-200	10	201 and over	6 percent of total (round up to nearest whole number)		
Total Number of Actual Parking Spaces	Number of Required EV Ready Parking Spaces																			
0-9	0																			
10-25	1																			
26-50	2																			
51-75	4																			
76-100	5																			
101-150	7																			
151-200	10																			
201 and over	6 percent of total (round up to nearest whole number)																			
Light pollution reduction. – 5.106.8 [N] Outdoor lighting systems shall be designed and installed to comply with the following: 1. The minimum requirements in the California Energy Code for Lighting Zones 1-4 as defined in Chapter 10 of the California Administrative Code; and 2. Backlight, Uplight and Glare (BUG) ratings as defined in IESNA TM-15-11; and 3. Allowable BUG ratings not exceeding those shown in Table 5.106.8, or Comply with local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent. Exception: [N] 1 Luminaires that qualify as exceptions in Section 140.7 of the California Energy Code. 2 Emergency lighting 3 Building façade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6. 4 Custom lighting features as allowed by local enforcing agency, as permitted by Section 101.8 Alternate materials, designs and methods of construction. Note: [N] See also California Building Code, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways.																				
Grading and paving – 5.106.10. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Exception:																				

BSD-127 Form – 2016 CALGreen Non-Residential Mandatory Measures
Updated: 01/30/2017 (hluu/ctm)
Page 3 of 12

2016 CAL GREEN		
NON-RESIDENTIAL MANDATORY MEASURES CHECKLIST		
		DATE: _____
		PERMIT NUMBER: _____
JOB ADDRESS: 1021 Monterey - Salinas Highway, Salinas, CA 93908		
CONTACT INFORMATION:		
APPLICANT'S NAME: Paul W. Davis, AIA		
PHONE NUMBER: (831) 373-2784		
E-MAIL: paulw@pauldavispartnership.com		
Following is a standardized checklist of the 2016 California Green Building Standards Code (CalGreen) requirements that may be used to demonstrate compliance with the CalGreen Mandatory Measures (chapter 4). This checklist applies to newly constructed buildings, building additions of 1,000 square feet or greater, and/or building alterations with a permit valuation of \$200,000 or above. Code sections relevant to additions and alterations shall only apply to the portions of the building being added or altered within the scope of the permitted work.		
CALGREEN REFERENCE AND DESCRIPTION	DESIGNER'S COMMENTS WITH PLAN SHEET REFERENCE	CITY USE: FIELD VERIFICATION
5.201.1 Scope The California Energy Commission will continue to adopt mandatory building standards.		
PLANNING AND DESIGN – SITE DEVELOPMENT		
Storm water pollution prevention – 5.106.1. Newly constructed projects and additions which disturb less than one acre of land shall prevent the pollution of stormwater runoff from the construction activities through one or more of the following measures: 1. Local ordinance. Comply with a lawfully enacted stormwater management and/or erosion control ordinance. 2. Best management practices (BMP). Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMP.		
Short-term bicycle parking – 5.106.4.1.1. If the new project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack. Exception: 1. Additions or alterations which add nine or less visitor vehicular parking spaces.		
Long-term bicycle parking – 5.106.4.1.2. For new buildings with over 10 tenant-occupants or for additions or alterations that add 10 or more tenant vehicular parking spaces, provide secure bicycle parking for 5% of the tenant vehicular parking spaces being added, with a minimum of one		

BSD-127 Form – 2016 CALGreen Non-Residential Mandatory Measures
Updated: 01/30/2017 (hluu/ctm)
Page 1 of 12

Project / Owner:

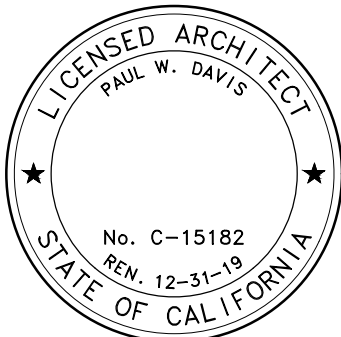
LAGUNA SECA START-FINISH BRIDGE

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

APN: 173-011-023-000

THE PAUL DAVIS PARTNERSHIP ARCHITECTS & PLANNERS


The Paul Davis Partnership, LLP
286 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com



Drawn By: ML, VQ
Drawing Date: 04/06/18
Project Number: 1725

Revisions:



Sheet Title:
**CALGREEN
NON-RESIDENTIAL
CHECKLIST**

Sheet Number:

A0.2a

Testing and adjusting – 5.410.4. Testing and adjusting of systems shall be required for new buildings less than 10,000 square feet or new systems to serve an addition or alteration subject to sec. 303.1. Systems. Develop a written plan of procedures for testing and adjusting systems. Procedures. Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system. HVAC balancing. Before a new space-conditioning system serving a building or space is operated for normal use, the system should be balanced in accordance with the procedures defined by standards as listed in sec. 5.410.4.3.1. Reporting. After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services. Operation and maintenance (O&M) manual. Provide the building owner with detailed operating and maintenance instructions and copies of guaranties/warranties for each system prior to final inspection.		
Inspections and reports. Include a copy of all inspection verifications and reports required by the enforcing agency.		
ENVIRONMENTAL QUALITY		
Fireplaces – 5.503.1 Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove or pellet stove, and refer to residential requirements in California Energy Code, Title 24, Part 6, Subchapter 7, Section 150. Wood stoves and pellet stoves shall comply with U.S. EPA Phase II emission limits where applicable.		
Pollutant Control – 5.504 Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.4. The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a MERV of 8. Replace all filters immediately prior to occupancy, or if the building is occupied during alteration, at the conclusion of construction.		
Duct openings and other related air distribution component openings shall be covered during construction.		

BSD-127 Form – 2016 CALGreen Non-Residential Mandatory Measures
Updated: 01/30/2017 (hluu/ctm)
Page 6 of 12

from land clearing shall be reused or recycled.		
Recycling by occupants – 5.410.1. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage, and collection of non-hazardous materials for recycling. Additions. All additions conducted within a 12-month period under single or multiple permits, resulting in an increase of 30% or more in floor area, shall provide recycling areas on site. Exceptions: Additions conducted within a 12 month period within a tenant space resulting in less than a 30% increase in the tenant space floor area.		
Commissioning – 5.410.2. For new buildings 10,000 square feet and over, building commissioning for all building operating systems covered by T24, Part 6, process equipment and controls, and renewable energy systems shall be included in the design and construction processes of the building project to verify they meet the owner's or owner representative's project requirements. Commissioning shall be performed by trained personnel with experience on projects of comparable size and complexity.		
Owner's Project Requirements (OPR). The expectations and requirements of the building appropriate to its phase shall be documented before the design phase of the project begins.		
Basis of Design (BOD) – 5.410.2.2. A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project.		
Commissioning plan. A commissioning plan describing how the project will be commissioned shall be completed prior to permit issuance.		
Functional performance testing. Functional performance tests shall demonstrate the correct installation and operation of each component, system, and system-to-system interface in accordance with the approved plans and specifications. Systems manual. The Systems Manual, which includes documentation of the operational aspects of the building, shall be delivered to the building owner or representative and facilities operator. Systems operations training. A program for training of the appropriate maintenance staff for each equipment type and/or system shall be developed and documented in the commissioning report.		
Commissioning report. A report of commissioning process activities undertaken through the design and construction phases of the building project shall be completed and provided to the owner or representative.		

BSD-127 Form – 2016 CALGreen Non-Residential Mandatory Measures
Updated: 01/30/2017 (hluu/ctm)
Page 4 of 12

Metering faucets for wash fountains – 5.303.3.4.5 The flow rate shall not exceed 0.20 gpm.		
Commercial Kitchen equipment – 5.303.4 Food waste disposers shall modulate the use of water to no more than 1 gpm when the disposer is not in use or shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water.		
Areas of addition or alteration – 5.303.5. Provisions of Section 5.303.3 and 5.303.4 shall apply to new fixtures in additions or areas of alterations to all buildings within the authority of the California Building Standards Commission.		
Standards for plumbing fixtures and fittings – 5.303.6. Plumbing fixtures and fittings shall be installed in accordance with the California Plumbing Code and Chapter 6 of this code.		
Water budget – 5.304.1. A water budget shall be developed for landscape irrigation use.		
Outdoor water use in landscape areas equal to or greater than 500 square feet – 5.304.2.		
Outdoor water use in rehabilitated landscape projects equal to or greater than 2,500 square feet – 5.304.3		
MATERIAL CONSERVATION AND RESOURCE		
Weather protection – 5.407.1. Provide a weather-resistant exterior wall and foundation envelope.		
Moisture control - 5.407.2. Employ moisture control measures by the following methods; Sprinklers. Prevent irrigation spray on structures. Entries and openings. Design exterior entries and openings to prevent water intrusion into buildings.		
Construction waste management – 5.408.1. A minimum of 50% of the non-hazardous construction and demolition waste generated at the site shall be diverted to recycle or salvaged. This is achieved by submitting a Waste Management Plan for approval by the Building and Safety Department prior to demolition permit issuance and providing documentation to demonstrate compliance with the Waste Management Plan after completion of demolition and/or prior to final inspection.		
Excavated soil and land clearing debris – 5.408.3. 100% of trees, stumps, rocks and associated vegetation and soils resulting primarily		

BSD-127 Form – 2016 CALGreen Non-Residential Mandatory Measures
Updated: 01/30/2017 (hluu/ctm)
Page 4 of 12

Z:\Projects\Projects 2017\1725_MOCO Laguna Seca Bridge\A02.dwg, 4/13/2018 8:40:42 AM, ARCH full bleed D (36.00 x 24.00 inches)

Carpet and carpet systems shall be compliant with the testing and product requirements per sec. 5.504.4.4, 504.4.4.1, 504.4.4.2.																
Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the formaldehyde limits per sec. 5.504.4.5.																
<table><thead><tr><th colspan="2">FORMALDEHYDE LIMITS¹ (Maximum formaldehyde Emissions in Parts per Million)</th></tr><tr><th>PRODUCT</th><th>LIMIT</th></tr></thead><tbody><tr><td>Hardwood plywood veneer core</td><td>0.05</td></tr><tr><td>Hardwood plywood composite core</td><td>0.05</td></tr><tr><td>Particleboard</td><td>0.09</td></tr><tr><td>Medium density fiberboard</td><td>0.11</td></tr><tr><td>Thin medium density fiberboard²</td><td>0.13</td></tr></tbody></table>	FORMALDEHYDE LIMITS ¹ (Maximum formaldehyde Emissions in Parts per Million)		PRODUCT	LIMIT	Hardwood plywood veneer core	0.05	Hardwood plywood composite core	0.05	Particleboard	0.09	Medium density fiberboard	0.11	Thin medium density fiberboard ²	0.13		
FORMALDEHYDE LIMITS ¹ (Maximum formaldehyde Emissions in Parts per Million)																
PRODUCT	LIMIT															
Hardwood plywood veneer core	0.05															
Hardwood plywood composite core	0.05															
Particleboard	0.09															
Medium density fiberboard	0.11															
Thin medium density fiberboard ²	0.13															
1. Values in this table are derived from those specified by the California Air Resources Board, Air Toxics Control Measure for Composite Wood as tested in accordance with ASTM E 1333-96(2002). For additional information, see California Code of Regulations, Title 17, Sections 93120 through 93120.12. 2. Thin medium density fiberboard has a maximum thickness of 5/16 inch (8mm)																
For 80% of floor area receiving resilient flooring shall meet the requirements per sec. 5.504.4.6.																
Documentation shall be provided to the City building inspector verifying that compliant finish materials have been used.																
Filters – 5.504.5.3. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air prior to occupancy that provides at least a MERV of 8. Recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual. Exceptions: 1. An ASHRAE 100% to 15% efficiency filter shall be permitted for an HVAC unit meeting 2013 California Energy Code having 60,000 Btu/h or less capacity per fan coil, if the energy use of the air delivery system is 0.4 W/cfm or less at design air flow. 1. Existing mechanical equipment. Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating.																
Environmental tobacco smoke (ETS) control – 5.504.7. Where outdoor areas are provided for smoking, prohibit smoking within 25 feet of building entries, outdoor air intakes and operable windows and within buildings.																
Indoor moisture control - 5.505.1 Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2, Sections 1203 and Chapter 14.1.																
Outside air delivery – 5.506.1. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 of the California Energy Code and Chapter 4 of CCRC, Title 8 or the applicable local code, whichever is more stringent.																

BSD-127 Form – 2016 CALGreen Non-Residential Mandatory Measures
Updated: 01/30/2017 (hluu/ctm)
Page 9 of 12

Paints, stains and other coatings shall be compliant with VOC limits per sec. 5.504.4.3.																																																																																															
<table><thead><tr><th colspan="2">VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS (Grams of VOC per Liter of Coating, Less Water and Less Exempt Compounds)</th></tr><tr><th>COATING CATEGORY</th><th>VOC</th></tr></thead><tbody><tr><td>Flat coatings</td><td>50</td></tr><tr><td>Nonflat coatings</td><td>100</td></tr><tr><td>Nonflat-high gloss coatings</td><td>150</td></tr><tr><td>SPECIALTY COATING</td><td>Specialty</td></tr><tr><td>Aluminum roof coatings</td><td>400</td></tr><tr><td>Basement specialty coatings</td><td>400</td></tr><tr><td>Bituminous roof coatings</td><td>50</td></tr><tr><td>Bituminous roof primers</td><td>350</td></tr><tr><td>Bond breakers</td><td>350</td></tr><tr><td>Concrete curing compounds</td><td>350</td></tr><tr><td>Concrete/masonry sealers</td><td>100</td></tr><tr><td>Driveway sealers</td><td>50</td></tr><tr><td>Dry fog coatings</td><td>150</td></tr><tr><td>Faux finishing coatings</td><td>350</td></tr><tr><td>Fire resistive coatings</td><td>350</td></tr><tr><td>Floor coatings</td><td>100</td></tr><tr><td>Form-release compounds</td><td>250</td></tr><tr><td>Graphic arts coatings (sign paints)</td><td>500</td></tr><tr><td>High temperature coatings</td><td>420</td></tr><tr><td>Industrial maintenance coatings</td><td>250</td></tr><tr><td>Low solids coatings¹</td><td>120</td></tr><tr><td>Magnesite cement coatings</td><td>450</td></tr><tr><td>Mastic texture coatings</td><td>100</td></tr><tr><td>Metallic pigmented coatings</td><td>500</td></tr><tr><td>Multicolor coatings</td><td>250</td></tr><tr><td>Pretreatment wash primers</td><td>420</td></tr><tr><td>Primers, sealers, and undercoaters</td><td>100</td></tr><tr><td>Reactive penetrating sealers</td><td>350</td></tr><tr><td>Recycled coatings</td><td>250</td></tr><tr><td>Roof coatings</td><td>50</td></tr><tr><td>Rust preventative coatings</td><td>250</td></tr><tr><td>Shellacs</td><td></td></tr><tr><td>Clear</td><td>730</td></tr><tr><td>Opaque</td><td>550</td></tr><tr><td>Specialty primers, sealers and undercoaters</td><td>100</td></tr><tr><td>Stains</td><td>250</td></tr><tr><td>Stone consolidants</td><td>450</td></tr><tr><td>Swimming pool coatings</td><td>340</td></tr><tr><td>Traffic marking coatings</td><td>100</td></tr><tr><td>Tub and tile refinish coatings</td><td>420</td></tr><tr><td>Waterproofing membranes</td><td>250</td></tr><tr><td>Wood coatings</td><td>275</td></tr><tr><td>Wood preservatives</td><td>350</td></tr><tr><td>Zinc-rich primers</td><td>340</td></tr></tbody></table>		VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS (Grams of VOC per Liter of Coating, Less Water and Less Exempt Compounds)		COATING CATEGORY	VOC	Flat coatings	50	Nonflat coatings	100	Nonflat-high gloss coatings	150	SPECIALTY COATING	Specialty	Aluminum roof coatings	400	Basement specialty coatings	400	Bituminous roof coatings	50	Bituminous roof primers	350	Bond breakers	350	Concrete curing compounds	350	Concrete/masonry sealers	100	Driveway sealers	50	Dry fog coatings	150	Faux finishing coatings	350	Fire resistive coatings	350	Floor coatings	100	Form-release compounds	250	Graphic arts coatings (sign paints)	500	High temperature coatings	420	Industrial maintenance coatings	250	Low solids coatings ¹	120	Magnesite cement coatings	450	Mastic texture coatings	100	Metallic pigmented coatings	500	Multicolor coatings	250	Pretreatment wash primers	420	Primers, sealers, and undercoaters	100	Reactive penetrating sealers	350	Recycled coatings	250	Roof coatings	50	Rust preventative coatings	250	Shellacs		Clear	730	Opaque	550	Specialty primers, sealers and undercoaters	100	Stains	250	Stone consolidants	450	Swimming pool coatings	340	Traffic marking coatings	100	Tub and tile refinish coatings	420	Waterproofing membranes	250	Wood coatings	275	Wood preservatives	350	Zinc-rich primers	340		
VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS (Grams of VOC per Liter of Coating, Less Water and Less Exempt Compounds)																																																																																															
COATING CATEGORY	VOC																																																																																														
Flat coatings	50																																																																																														
Nonflat coatings	100																																																																																														
Nonflat-high gloss coatings	150																																																																																														
SPECIALTY COATING	Specialty																																																																																														
Aluminum roof coatings	400																																																																																														
Basement specialty coatings	400																																																																																														
Bituminous roof coatings	50																																																																																														
Bituminous roof primers	350																																																																																														
Bond breakers	350																																																																																														
Concrete curing compounds	350																																																																																														
Concrete/masonry sealers	100																																																																																														
Driveway sealers	50																																																																																														
Dry fog coatings	150																																																																																														
Faux finishing coatings	350																																																																																														
Fire resistive coatings	350																																																																																														
Floor coatings	100																																																																																														
Form-release compounds	250																																																																																														
Graphic arts coatings (sign paints)	500																																																																																														
High temperature coatings	420																																																																																														
Industrial maintenance coatings	250																																																																																														
Low solids coatings ¹	120																																																																																														
Magnesite cement coatings	450																																																																																														
Mastic texture coatings	100																																																																																														
Metallic pigmented coatings	500																																																																																														
Multicolor coatings	250																																																																																														
Pretreatment wash primers	420																																																																																														
Primers, sealers, and undercoaters	100																																																																																														
Reactive penetrating sealers	350																																																																																														
Recycled coatings	250																																																																																														
Roof coatings	50																																																																																														
Rust preventative coatings	250																																																																																														
Shellacs																																																																																															
Clear	730																																																																																														
Opaque	550																																																																																														
Specialty primers, sealers and undercoaters	100																																																																																														
Stains	250																																																																																														
Stone consolidants	450																																																																																														
Swimming pool coatings	340																																																																																														
Traffic marking coatings	100																																																																																														
Tub and tile refinish coatings	420																																																																																														
Waterproofing membranes	250																																																																																														
Wood coatings	275																																																																																														
Wood preservatives	350																																																																																														
Zinc-rich primers	340																																																																																														
Aerosol paints and coatings shall be compliant with Product-Weighted MIR limits for ROC, VOC and other toxic compounds limits per sec. 5.504.4.3.1.																																																																																															

BSD-127 Form – 2016 CALGreen Non-Residential Mandatory Measures
Updated: 01/30/2017 (hluu/ctm)
Page 8 of 12

Adhesives, sealants and caulks shall be compliant with VOC limits per sec. 5.504.4.1.																																																																			
<table><thead><tr><th colspan="2">ADHESIVE VOC LIMIT^{1,2} (Less Water and Less Exempt Compounds in Grams per Liter)</th></tr><tr><th>ARCHITECTURAL</th><th>VOC LIMIT</th></tr></thead><tbody><tr><td>Indoor carpet adhesives</td><td>50</td></tr><tr><td>Carpet pad adhesives</td><td>50</td></tr><tr><td>Outdoor carpet adhesives</td><td>150</td></tr><tr><td>Wood flooring adhesive</td><td>100</td></tr><tr><td>Rubber floor adhesives</td><td>60</td></tr><tr><td>Subfloor adhesives</td><td>50</td></tr><tr><td>Ceramic tile adhesives</td><td>65</td></tr><tr><td>VCT and asphalt tile adhesives</td><td>50</td></tr><tr><td>Drywall and panel adhesives</td><td>50</td></tr><tr><td>Cove base adhesives</td><td>50</td></tr><tr><td>Multipurpose construction adhesives</td><td>70</td></tr><tr><td>Structural glazing adhesives</td><td>100</td></tr><tr><td>Single-ply roof membrane adhesives</td><td>250</td></tr><tr><td>Other adhesives not specifically listed</td><td>50</td></tr><tr><td>SPECIALTY APPLICATIONS</td><td></td></tr><tr><td>PVC welding</td><td>510</td></tr><tr><td>CPVC welding</td><td>490</td></tr><tr><td>ABS welding</td><td>325</td></tr><tr><td>Plastic cement welding</td><td>250</td></tr><tr><td>Adhesive primer for plastic</td><td>550</td></tr><tr><td>Contact adhesive</td><td>80</td></tr><tr><td>Special purpose contact adhesive</td><td>250</td></tr><tr><td>Structural wood member adhesive</td><td>140</td></tr><tr><td>Top and trim adhesive</td><td>250</td></tr><tr><td>SUBSTRATE SPECIFIC APPLICATIONS</td><td></td></tr><tr><td>Metal to metal</td><td>30</td></tr><tr><td>Plastic foams</td><td>50</td></tr><tr><td>Porous material (except wood)</td><td>50</td></tr><tr><td>Wood</td><td>30</td></tr><tr><td>Fiberglass</td><td>80</td></tr></tbody></table>		ADHESIVE VOC LIMIT ^{1,2} (Less Water and Less Exempt Compounds in Grams per Liter)		ARCHITECTURAL	VOC LIMIT	Indoor carpet adhesives	50	Carpet pad adhesives	50	Outdoor carpet adhesives	150	Wood flooring adhesive	100	Rubber floor adhesives	60	Subfloor adhesives	50	Ceramic tile adhesives	65	VCT and asphalt tile adhesives	50	Drywall and panel adhesives	50	Cove base adhesives	50	Multipurpose construction adhesives	70	Structural glazing adhesives	100	Single-ply roof membrane adhesives	250	Other adhesives not specifically listed	50	SPECIALTY APPLICATIONS		PVC welding	510	CPVC welding	490	ABS welding	325	Plastic cement welding	250	Adhesive primer for plastic	550	Contact adhesive	80	Special purpose contact adhesive	250	Structural wood member adhesive	140	Top and trim adhesive	250	SUBSTRATE SPECIFIC APPLICATIONS		Metal to metal	30	Plastic foams	50	Porous material (except wood)	50	Wood	30	Fiberglass	80		
ADHESIVE VOC LIMIT ^{1,2} (Less Water and Less Exempt Compounds in Grams per Liter)																																																																			
ARCHITECTURAL	VOC LIMIT																																																																		
Indoor carpet adhesives	50																																																																		
Carpet pad adhesives	50																																																																		
Outdoor carpet adhesives	150																																																																		
Wood flooring adhesive	100																																																																		
Rubber floor adhesives	60																																																																		
Subfloor adhesives	50																																																																		
Ceramic tile adhesives	65																																																																		
VCT and asphalt tile adhesives	50																																																																		
Drywall and panel adhesives	50																																																																		
Cove base adhesives	50																																																																		
Multipurpose construction adhesives	70																																																																		
Structural glazing adhesives	100																																																																		
Single-ply roof membrane adhesives	250																																																																		
Other adhesives not specifically listed	50																																																																		
SPECIALTY APPLICATIONS																																																																			
PVC welding	510																																																																		
CPVC welding	490																																																																		
ABS welding	325																																																																		
Plastic cement welding	250																																																																		
Adhesive primer for plastic	550																																																																		
Contact adhesive	80																																																																		
Special purpose contact adhesive	250																																																																		
Structural wood member adhesive	140																																																																		
Top and trim adhesive	250																																																																		
SUBSTRATE SPECIFIC APPLICATIONS																																																																			
Metal to metal	30																																																																		
Plastic foams	50																																																																		
Porous material (except wood)	50																																																																		
Wood	30																																																																		
Fiberglass	80																																																																		
1. If an adhesive is used to bond dissimilar substrates together, the adhesive with the highest VOC content shall be allowed. 2. For additional information regarding methods to measure VOC content specified in table, see South Coast Air Quality Management District Rule 1108.																																																																			
<table><thead><tr><th colspan="2">SEALANT VOC LIMIT (Less Water and Less Exempt Compounds in Grams per Liter)</th></tr><tr><th>SEALANTS</th><th>VOC LIMIT</th></tr></thead><tbody><tr><td>Architectural</td><td>250</td></tr><tr><td>Marine deck</td><td>760</td></tr><tr><td>Nonmembrane roof</td><td>300</td></tr><tr><td>Roadway</td><td>250</td></tr><tr><td>Single-ply roof membrane</td><td>450</td></tr><tr><td>Other</td><td>420</td></tr><tr><td>SEALANT PRIMERS</td><td></td></tr><tr><td>Architectural</td><td></td></tr><tr><td>Nonporous</td><td>250</td></tr><tr><td>Porous</td><td>775</td></tr><tr><td>Modified bituminous</td><td>500</td></tr><tr><td>Marine deck</td><td>760</td></tr><tr><td>Other</td><td>750</td></tr></tbody></table>		SEALANT VOC LIMIT (Less Water and Less Exempt Compounds in Grams per Liter)		SEALANTS	VOC LIMIT	Architectural	250	Marine deck	760	Nonmembrane roof	300	Roadway	250	Single-ply roof membrane	450	Other	420	SEALANT PRIMERS		Architectural		Nonporous	250	Porous	775	Modified bituminous	500	Marine deck	760	Other	750																																				
SEALANT VOC LIMIT (Less Water and Less Exempt Compounds in Grams per Liter)																																																																			
SEALANTS	VOC LIMIT																																																																		
Architectural	250																																																																		
Marine deck	760																																																																		
Nonmembrane roof	300																																																																		
Roadway	250																																																																		
Single-ply roof membrane	450																																																																		
Other	420																																																																		
SEALANT PRIMERS																																																																			
Architectural																																																																			
Nonporous	250																																																																		
Porous	775																																																																		
Modified bituminous	500																																																																		
Marine deck	760																																																																		
Other	750																																																																		

BSD-127 Form – 2016 CALGreen Non-Residential Mandatory Measures
Updated: 01/30/2017 (hluu/ctm)
Page 7 of 12

CALGREEN SIGNATURE DECLARATIONS		
Section 1 – Design Verification Complete all lines of Section 1 – “Design Verification” and submit the completed checklist (Columns 1 and 2) with the plans and building permit application to the Building Department.		
The owner and design professional responsible for compliance with CalGreen Standards have revised the plans and certify that the items checked above are hereby incorporated into the project plans and will be implemented into the project in accordance with the requirements set forth in the 2016 California Green Building Standards Code.		
Owner's Name (Printed)	Owner's Signature	Date
Design Professional's Name (Printed)	Design Professional's Signature	Date
Name of License Professional responsible for Cal Green Compliance		Phone Number
Signature of License Professional responsible for Cal Green Compliance		Date
E-Mail Address for License Professional responsible for Cal Green Compliance		
Section 2 – Implementation Verification (To be completed prior to Final Inspection) Complete, sign and submit the competed checklist, including column 3, together with all original signatures on Section 2 to the Building Inspector at the Final Inspection.		
I have inspected the work and have received sufficient documentation to verify and certify that the project identified above was constructed in accordance with this Green Building Checklist and in accordance with the requirements of the 2016 California Green Building Standards Code.		
Name of License Professional responsible for Cal Green Compliance		Phone Number
Signature of License Professional responsible for Cal Green Compliance		Date
E-Mail Address for License Professional responsible for Cal Green Compliance		

BSD-127 Form – 2016 CALGreen Non-Residential Mandatory Measures
Updated: 01/30/2017 (hluu/ctm)
Page 12 of 12

Valves. Valves and fittings shall comply with the requirements in sec. 5.508.2.2.		
Refrigerated service cases. Refrigerated service cases holding food products containing vinegar and salt shall have evaporator coils of corrosion-resistant material, or be coated to prevent corrosion from these substances. Consideration shall be given to the heat transfer efficiency of coil coating to maximize energy efficiency.		
Refrigerant receivers. Refrigerant receivers with capacities greater than 200 pounds shall be fitted with a device that indicates the level of refrigerant in the receiver.		
Pressure testing. The system shall be pressure tested during installation prior to evacuation and charging per sec. 5.508.2.5.		
Evacuation. The system shall be evacuated after pressure testing and prior to charging per sec. 5.508.2.6.		
INSTALLER AND SPECIAL INSPECTOR QUALIFICATIONS - 702 HVAC system installers are trained and certified in the proper installation of HVAC systems.		
Special inspectors employed by the owner or owner's agent shall demonstrate competence for the particular type of inspection to be performed and shall have a certification from a recognized state, national or international association in the area closely related to the primary job function.		
Verifications (703). Verification of compliance with this code may include construction documents, plans specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency, which show substantial conformance.		
REFERENCES 2016 Green Building Standards Code, Part 11 http://codes.iccsafe.org/app/book/toc/2016/California/Green/index.html		

BSD-127 Form – 2016 CALGreen Non-Residential Mandatory Measures
Updated: 01/30/2017 (hluu/ctm)
Page 11 of 12

Carbon dioxide (CO2) monitoring – 5.506.2. For buildings or additions equipped with demand control ventilation, CO2 sensors and ventilation controls shall be specified and installed in accordance with California Energy Code sec. 120.1(c)(4).		
ENVIRONMENTAL COMFORT Acoustical Control – 5.507.4 Employ building assemblies and components with Sound Transmission Class (STC) values using one of the following methods:		
Prescriptive method - Exterior noise transmission – 5.507.4.1 Wall and roof ceiling assemblies making up the building or addition envelope or altered envelope shall have a composite STC of min. 50, or a composite OITC rating of min. 40, with exterior windows of an STC of min. 40 or OITC of 30 in the following locations: 1. Within the 65 CNEL noise contour of an airport. 2. Within the 65 CNEL or Ldn noise contour of a freeway, railroad, industrial source or fixed-guideway source.		
Buildings exposed to a noise level of 65 dB Leq-1-hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies of at least 45 composite STC rating (or OITC 35), with exterior windows of a min. STC of 40 (or OITC 30).		
Performance method – 5.507.4.2 For buildings located as defined in sec. 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies making up the building or addition envelope or altered envelope shall be constructed to provide Leq-1Hr of 50 dBA in occupied areas during any hour of operation. An acoustical analysis documenting compliance shall be provided.		
Interior sound transmission – 5.505.7.4.3 Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have a min. STC of 40.		
OUTDOOR AIR QUALITY Ozone depletion and greenhouse gas reductions – 5.508.1 Installations of HVAC, refrigeration and fire suppression equipment shall not contain Chlorofluorocarbons (CFCs) and Halons.		
Supermarket refrigerant leak reduction – 5.508.2. New commercial refrigeration systems (including both new facilities and the replacement of existing refrigeration systems in existing facilities) installed in retail food stores 8,000 square feet or more conditioned area, and that utilize either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units and contain high-global-warming potential (High-GWP) refrigerants with a GWP of 150 or greater, shall comply with the following:		
Refrigerant piping. Piping shall be installed to be accessible for leak protection and repairs. Piping runs using threaded pipe, copper tubing with an outside diameter (OD) less than ½”, flared tubing connections and short radius elbows shall not be used in refrigerant systems except as noted in sec. 5.508.2.1.1, 5.508.2.1.2, 5.508.2.1.3, 5.508.2.1.4.		

BSD-127 Form – 2016 CALGreen Non-Residential Mandatory Measures
Updated: 01/30/2017 (hluu/ctm)
Page 10 of 12

Project / Owner:

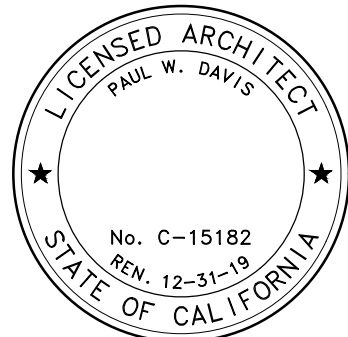
LAGUNA SECA START-FINISH BRIDGE

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

APN: 17N-011-023-000

THE PAUL DAVIS PARTNERSHIP ARCHITECTS & PLANNERS

The Paul Davis Partnership, LLP
286 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com



Drawn By: ML, VQ

Drawing Date: 04/06/18

Project Number: 1725

Revisions:

The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.



Sheet Title: CALGREEN NON-RESIDENTIAL CHECKLIST

Sheet Number:

A0.2b

Z:\Projects\Projects 2017\1725_MOCO Laguna Seca Bridge\Plot Sheets\A0.3.dwg, 4/13/2018 8:40:52 AM, ARCH full bleed D (36.00 x 24.00 inches)

Option 1: CONTRACT	Option2: SELF HAUL
Step 1: Contract with Waste Management, the County's franchised hauler, by calling 1(800) 321-8226 to order your debris box(es). Identify your site and your project as construction and/or demolition (ask for diversion reports). Improve recycling and save money by requesting separate bins to separate materials such as concrete, metal, wood, and cardboard. Keep all applicable invoices from Waste Management for your records. Communicate with franchise hauler before service to establish need for C&D service requirements (ask for diversion report).	Step 1: Complete and sign the attached C&D Recycling Plan (Page 3) selecting self-haul as the method of compliance with the C&D recycling requirements. Submit the C&D Recycling Plan (Page 3) to the Monterey County Permit Center at the time of permit application.
Step 2: Complete and sign the attached C&D Recycling Plan/Debris Management Plan (Page 3) to demonstrate vendor haul as the method of compliance with the C&D recycling requirements. Submit the C&D Recycling Plan/Debris Management Plan (Page 3) to the Monterey County Permit Center at the time of the permit application (prior to the permit issuance);	Step 2: Complete and sign the C&D Recycling Report (Page 4). Make sure to include all invoices, weight tickets and receipts for all of your recycled and disposed materials.
Step 3: Keep diversion reports and any documents (weight tickets) as proof your project is complying with State regulations.	Step 3: Scan and Submit C&D Recycling Report (Page 4) with all invoices, weight tickets and receipts for all of your recycled and disposed materials by e-mail to RMA-Building Services at: RMARecycleVerification@co.monterey.ca.us Failure to provide the C&D Recycling Report will prevent scheduling of the final the inspection and will delay issuance of the Certificate of Occupancy.



Monterey County
Resource Management Agency
Permit Center
1441 Schilling Place S, Second Floor, Salinas CA 93901
Phone: (831)755-5027 – Fax 757-9516

Construction & Demolition (C&D) Recycling Guide

Construction and demolition debris, or C&D debris, comprises nearly 30% of the solid waste stream. This guide is designed to help construction permit applicants understand and comply with California state law related to recycling C&D debris.

Your construction permit falls under this state law if your project involves:

- New building construction (both residential and non-residential)
- Demolition
- Certain additions and alteration projects

Under State law, all new building construction (residential and non-residential), demolition, and certain additions and alteration projects (all locally permitted additions and alterations to **non-residential** buildings or structures; additions and alterations to **residential** buildings that increase the structure's conditioned area, volume or size) are required to recycle and/or salvage for reuse a minimum 65% of non-hazardous C&D debris (California Green Building Standards Code Sections 4.408, 5.408, 301.1.1 and 301.3).

Monterey County helps to implement this state law through its construction permitting services. Under this program, administered through a partnership between the Monterey County Environmental Health Bureau and the Resource Management Agency Permit Center, construction permit recipients document how their C&D debris is recycled in order to get their building permit finalized, closed and/or approved for occupancy.

Construction permit recipients have two options for C&D recycling as detailed below. Under both options, the construction permit recipient must submit a C&D Recycling Plan, however under the self-haul option, the recipient must also submit a C&D Recycling Report.

Option 1: CONTRACT Under this option, building permit recipients contract with Waste Management, the franchise hauler. Monterey County has an exclusive franchise agreement for construction and demolition debris box hauling services with Waste Management. This means only Waste Management may independently deliver debris boxes and/or bins to a job site and haul them away when full.	Option2: SELF HAUL Under this option, building permit recipients haul construction and demolition debris from the project directly to recycling and disposal facilities. You may self-haul materials to any C&D Recycling Facility to meet the 65% recycling requirement. Contact the Environmental Health Bureau at (831) 755-8979 for information on C & D Recycling Facilities. Cost savings may apply for source separated materials such as concrete, metal, etc. NOTE: Contractors may self-haul debris from their job sites as an incidental part of their services, only when the equipment, vehicles and/or trailers being used is owned and operated by the Contractor performing the service at the job site(s). Contractors may not hire a third-party to provide hauling services.
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



Monterey County
Resource Management Agency
Permit Center
1441 Schilling Place S, Second Floor
Salinas CA 93901

Construction & Demolition (C&D) Recycling Report

Construction Permit Number: _____

Section 3-Material Information

MATERIAL TYPE	Reuse	Recycle	Disposed	Hauler	Material Destination
Sample: Roofing			1000	Self	Marina Landfill
Sample: Asphalt/Concrete		1000		Self	Greenix Construction
Sample: Wood/Lumber		1000		Self	Marina Landfill
Sample: Mixed C&D		550	450	Sub-Contractor X	Marina Materials Recovery Facility
Sample: TOTAL LBS	1000	2550	1450	$\% \text{ Diversion} = \frac{(\text{Reuse} + \text{Recycle})}{(\text{Total all materials})} = \frac{3550}{5000} = 71\% \text{ Diversion}$	

Section 4 – Certification

By signing below, I hereby certify that the information reported is complete and accurate to the best of my knowledge. I have put forth good faith effort to ensure that a minimum of 65% of the waste materials from this project were recycled or reused.

Signature

Date

Print Name

Phone Number

Scan and e-mail C&D Recycling Report with all weight tags (recycling and disposal) to:

RMARecycleVerification@co.monterey.ca.us



Monterey County
Resource Management Agency
Permit Center
1441 Schilling Place S, Second Floor
Salinas CA 93901

Construction & Demolition (C&D) Recycling Plan/Debris Management Plan

Construction Permit Number: _____

Section 1 – Recycling Plan

How will you meet the requirement to recycle or salvage a minimum 65% of non-hazardous C&D debris?

- ☐ Option 1: I will contract with Waste Management, the franchise hauler.
- ☐ Option 2: I (includes subcontractors and clean up contractors) will self-haul the materials.

Section 2 – Certification

By signing below, I hereby certify that the information reported is complete and accurate to the best of my knowledge. I also understand that I must recycle/salvage at least 65% by weight of all materials generated during the project and that if I choose to self-haul materials from the project site (Option 2 above), I am required to complete a C&D Recycling Report (Page 4). With the C&D Recycling Report I agree to submit all invoices, weight tickets and receipts for all of my recycled and disposed materials to the County of Monterey by e-mail prior to final inspection.

Signature

Date

Print Name

Phone number

Project / Owner:

LAGUNA SECA START-FINISH BRIDGE

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

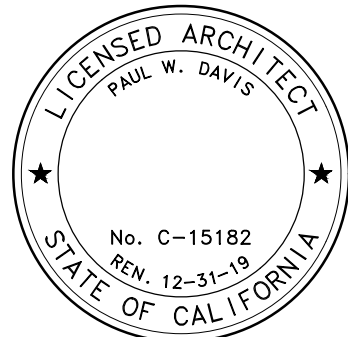
APN: 173-011-023-000

THE PAUL DAVIS PARTNERSHIP

ARCHITECTS & PLANNERS



The Paul Davis Partnership, LLP
286 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com



Drawn By: ML, VQ
Drawing Date: 04/06/18
Project Number: 1725

Revisions:

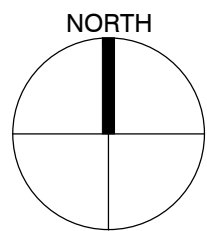
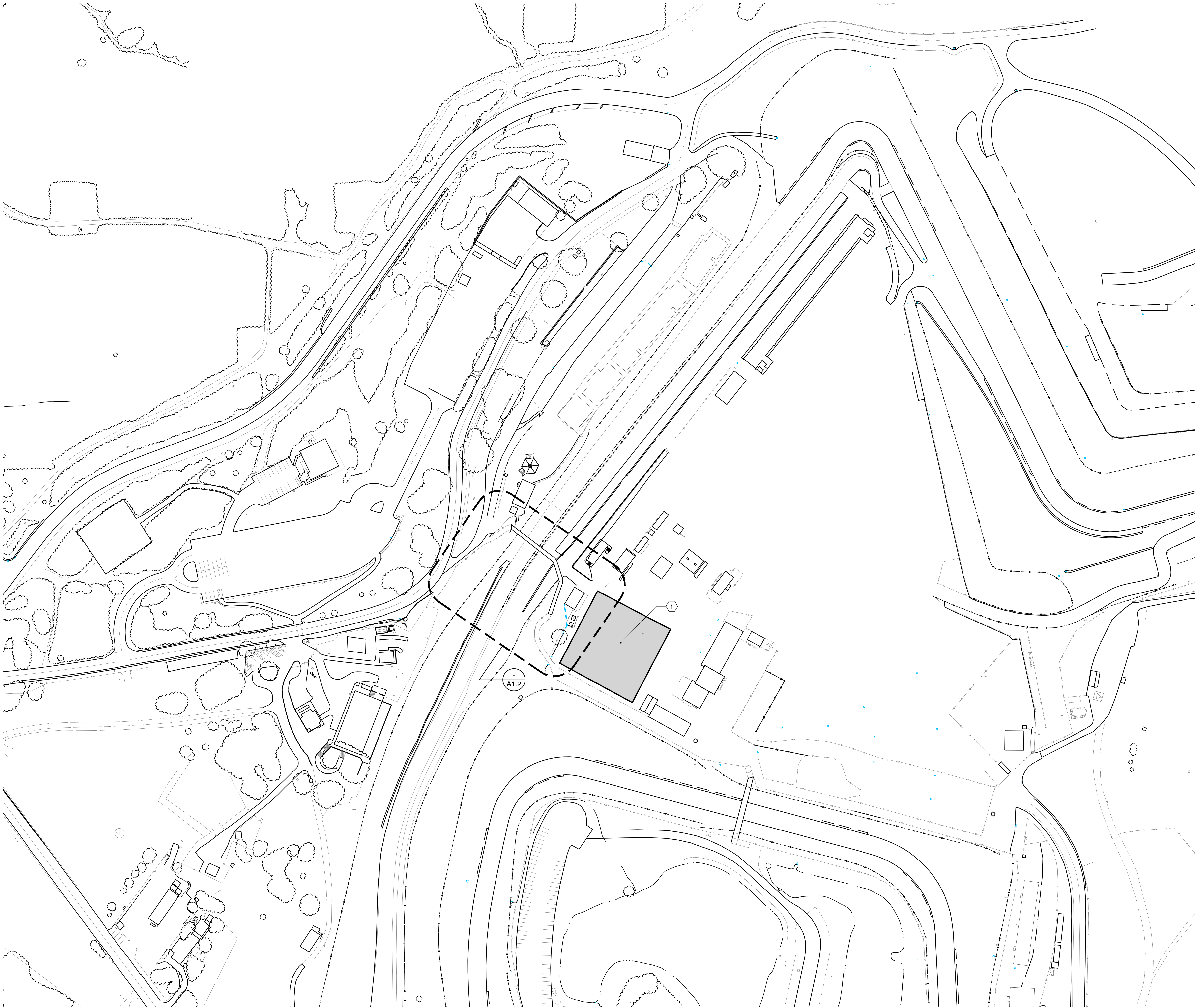
The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.



Sheet Title:
**CONSTRUCTION
WASTE MANAGEMENT
FORM / PLAN**

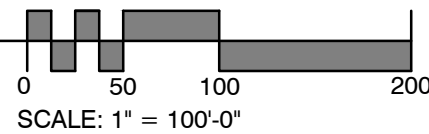
Sheet Number:

Z:\Projects\Projects 2017\1725_MOCO Laguna Seca Bridge\Plot Sheets\A1.0.dwg, 4/13/2018 8:41:03 AM, ARCH full bleed D (36.00 x 24.00 inches)



(E) PARTIAL SITE PLAN

SCALE: 1" = 100'-0"



SHEET NOTES

1. CONSTRUCTION STAGING AREA

Project / Owner:

LAGUNA SECA START-FINISH BRIDGE

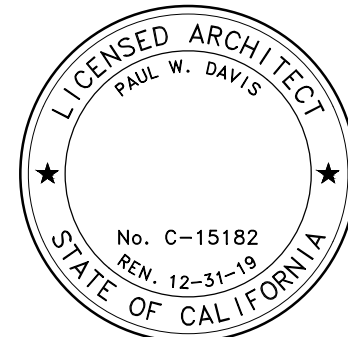
COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

APN: 173-011-023-000

THE PAUL DAVIS PARTNERSHIP ARCHITECTS & PLANNERS



The Paul Davis Partnership, LLP
288 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com



Drawn By: ML, VQ
Drawing Date: 04/06/18
Project Number: 1725

Revisions:

The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.



Sheet Title:
(E) PARTIAL
SITE PLAN

Sheet Number:

A1.0

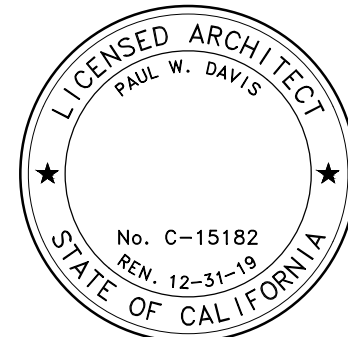
LAGUNA SECA
START-FINISH
BRIDGE

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

APN: 173-011-023-000

THE
PAUL DAVIS
PARTNERSHIP
ARCHITECTS & PLANNERS

The Paul Davis Partnership, LLP
288 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com



Drawn By: ML, VQ
Drawing Date: 04/06/18
Project Number: 1725

Revisions:

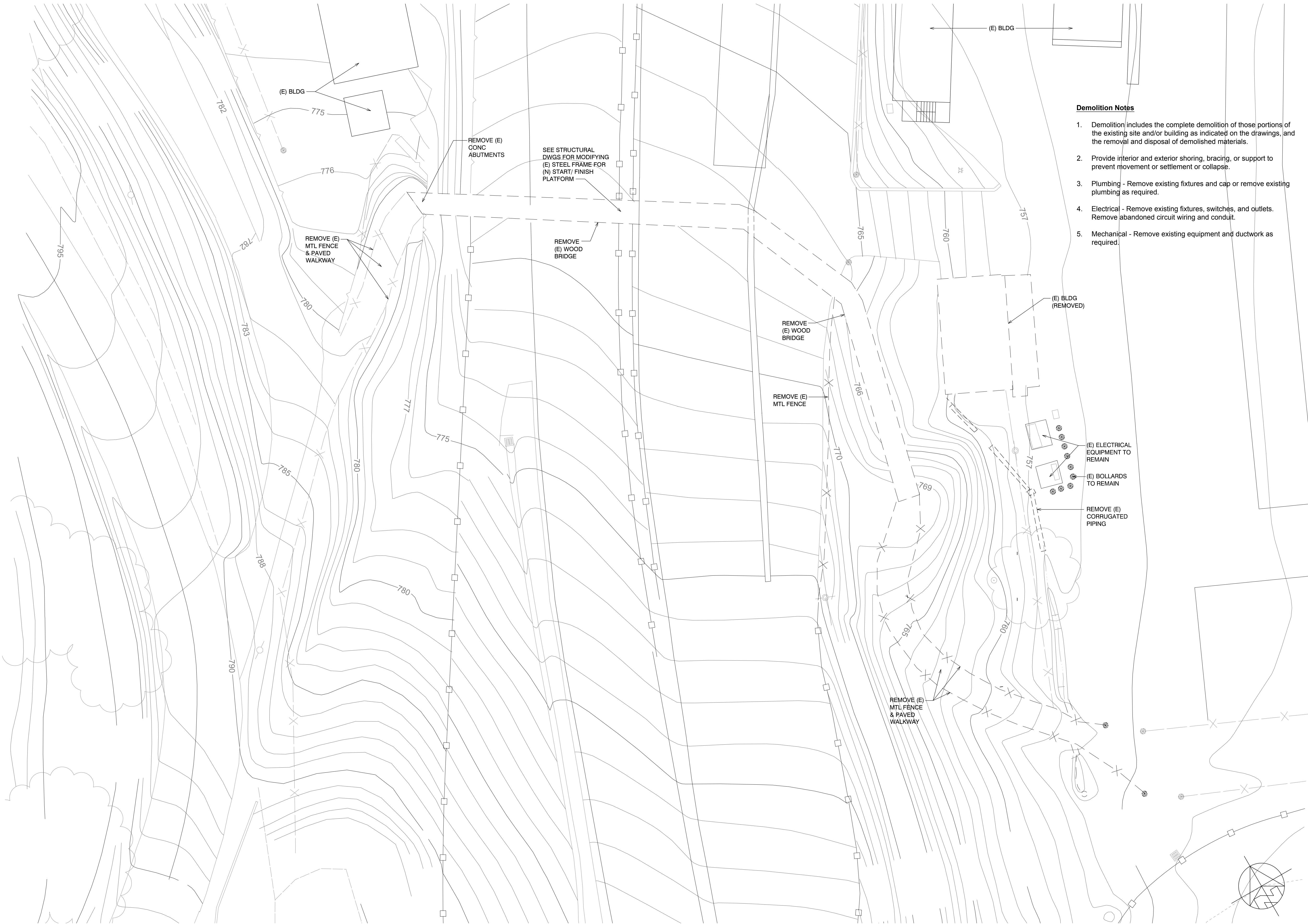
The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.



Sheet Title:
ENLARGED
(E) SITE PLAN /
DEMO PLAN

Sheet Number:

A1.1



1 ENLARGED (E) SITE PLAN / DEMO PLAN
SCALE: 1/16" = 1'-0"

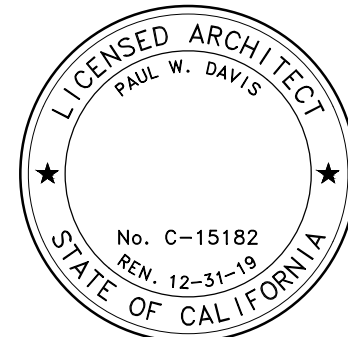
LAGUNA SECA
START-FINISH
BRIDGE

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

APN: 173-011-023-000

THE
PAUL DAVIS
PARTNERSHIP
ARCHITECTS & PLANNERS

The Paul Davis Partnership, LLP
288 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com



Drawn By: ML, VQ
Drawing Date: 04/06/18
Project Number: 1725

Revisions:

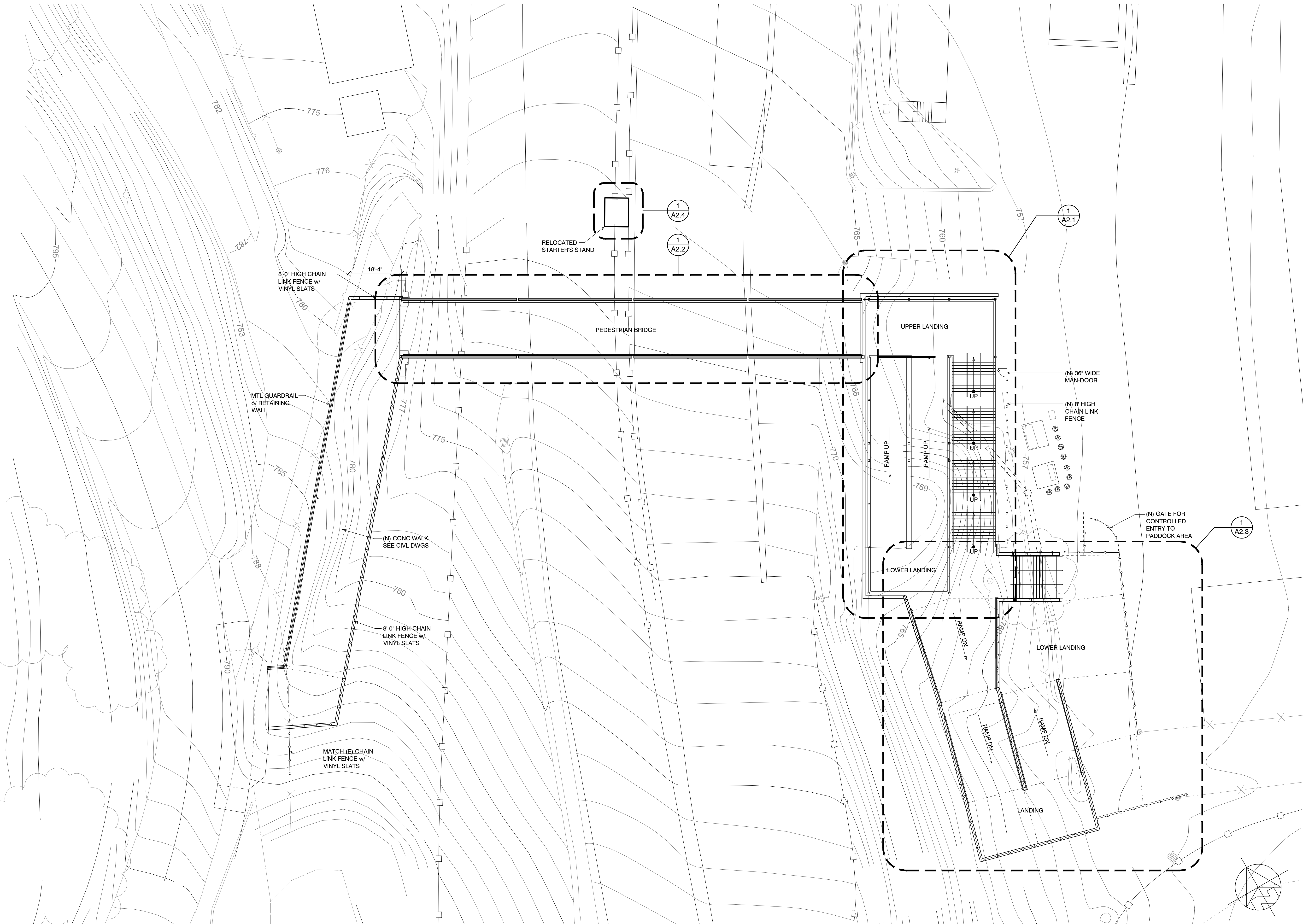
The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.



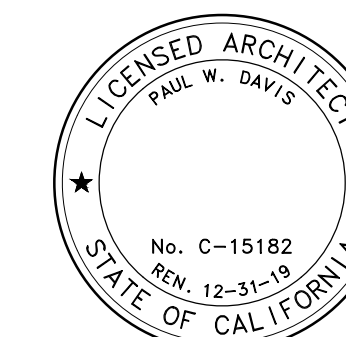
Sheet Title:
ENLARGED
(N) SITE PLAN

Sheet Number:

A1.2



1 ENLARGED (N) SITE PLAN
SCALE: 1/16" = 1'-0"



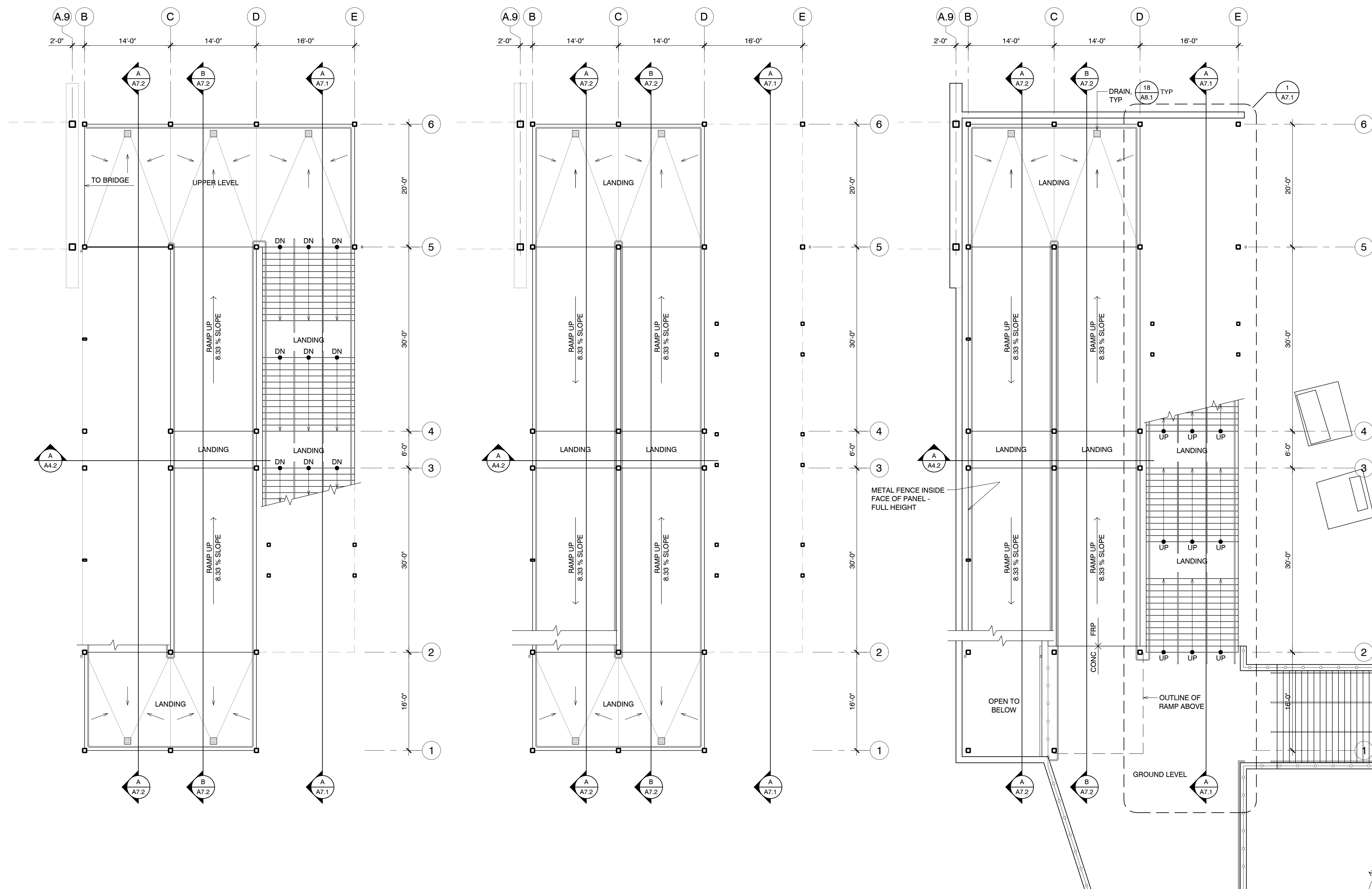
Drawn By: ML, VG
Drawing Date: 04/06/1
Project Number: 1725

Revisions:

The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.

Sheet Title:
RAMP & STAIR PLAN

Sheet Number:



**3 RAMP / STAIR
UPPER LEVEL**
SCALE: 1/8" = 1'-0"

2 RAMP / STAIR
INTERMEDIATE LEVEL
SCALE: 1/8" = 1'-0"

1 RAMP / STAIR
LOWER LEVEL

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

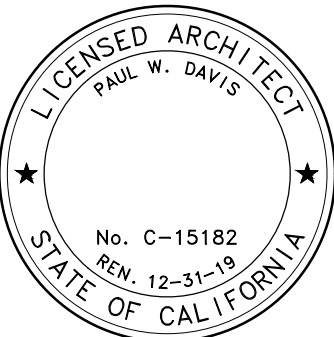
LAGUNA SECA
START-FINISH
BRIDGE

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

APN: 173-011-023-000

THE
PAUL DAVIS
PARTNERSHIP
ARCHITECTS & PLANNERS

The Paul Davis Partnership, LLP
286 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com



Drawn By: ML, VQ
Drawing Date: 04/06/18
Project Number: 1725

Revisions:

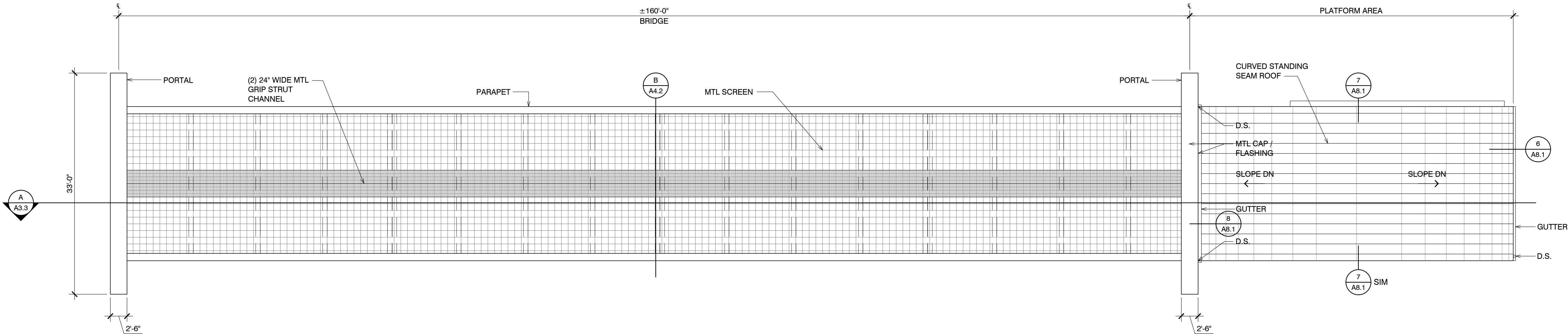
The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.



Sheet Title:
NEW START / FINISH
BRIDGE FLOOR &
ROOF PLAN

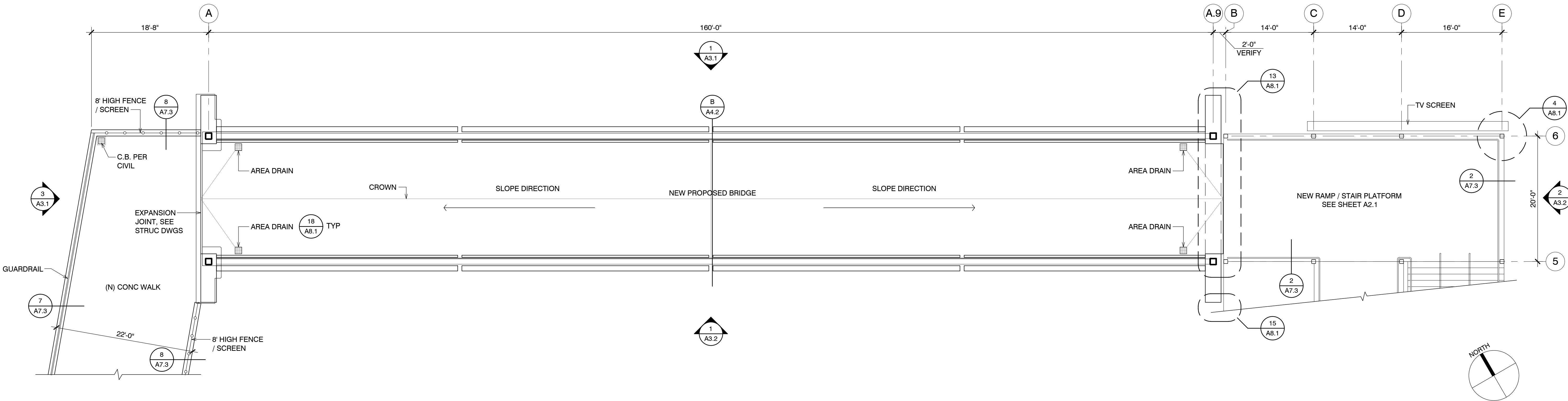
Sheet Number:

A2.2



2 NEW START/FINISH ROOF PLAN

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



1 NEW START/FINISH BRIDGE PLAN

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

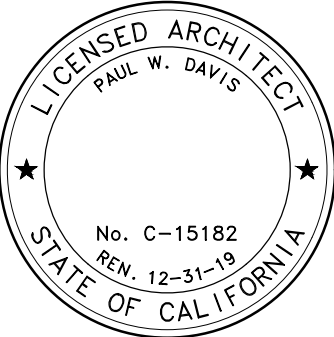
LAGUNA SECA
START-FINISH
BRIDGE

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

APN: 173-011-023-000

THE
PAUL DAVIS
PARTNERSHIP
ARCHITECTS & PLANNERS

The Paul Davis Partnership, LLP
288 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com



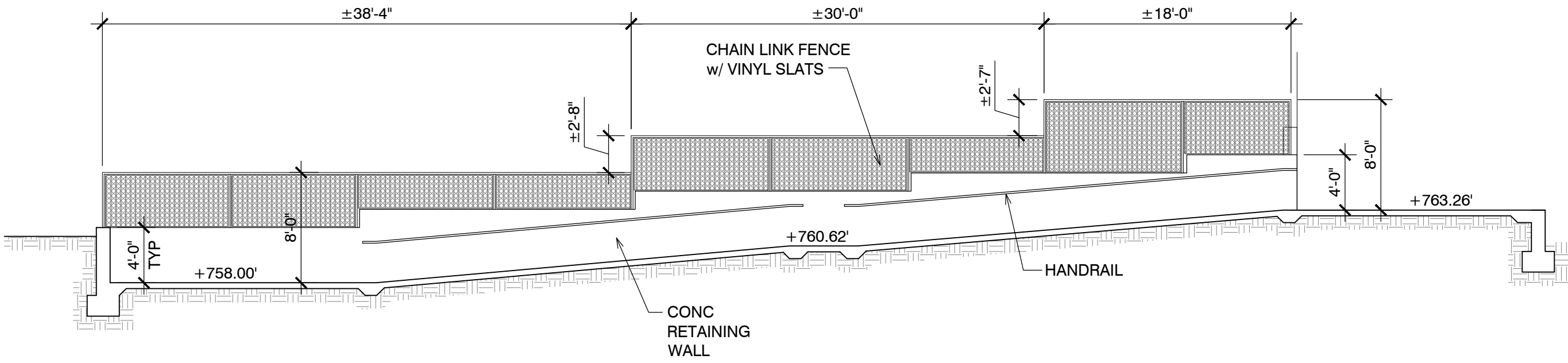
Drawn By: ML, VQ
Drawing Date: 04/06/18
Project Number: 1725

Revisions:

The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.

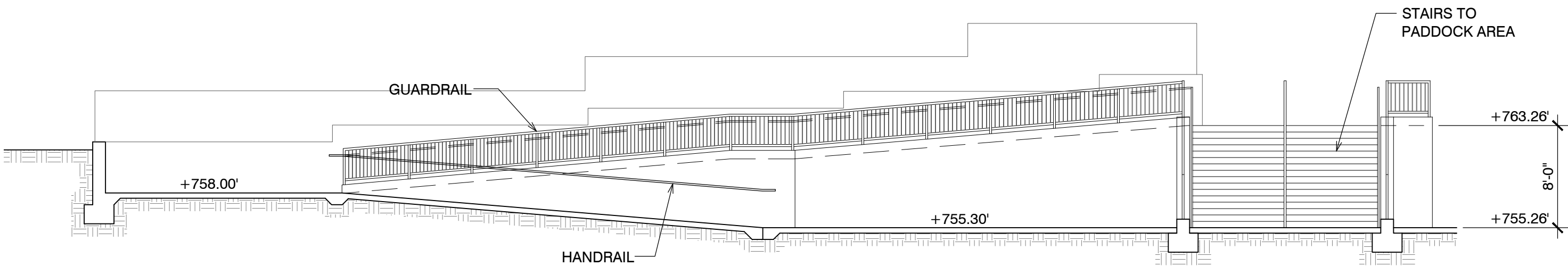
Sheet Title:
RAMP / STAIR
AT PADDOCK AREA

Sheet Number:



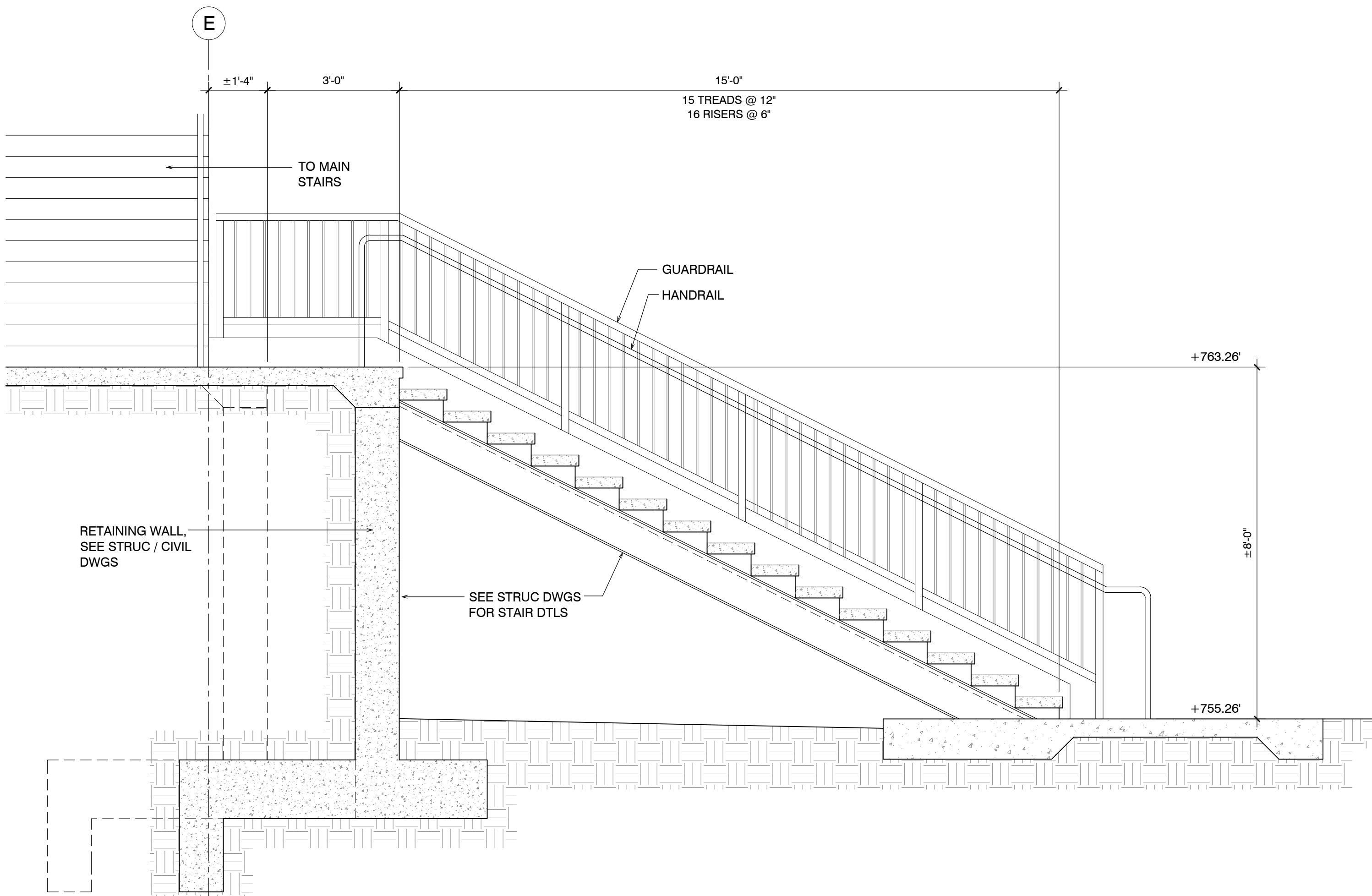
A RAMP SECTION

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



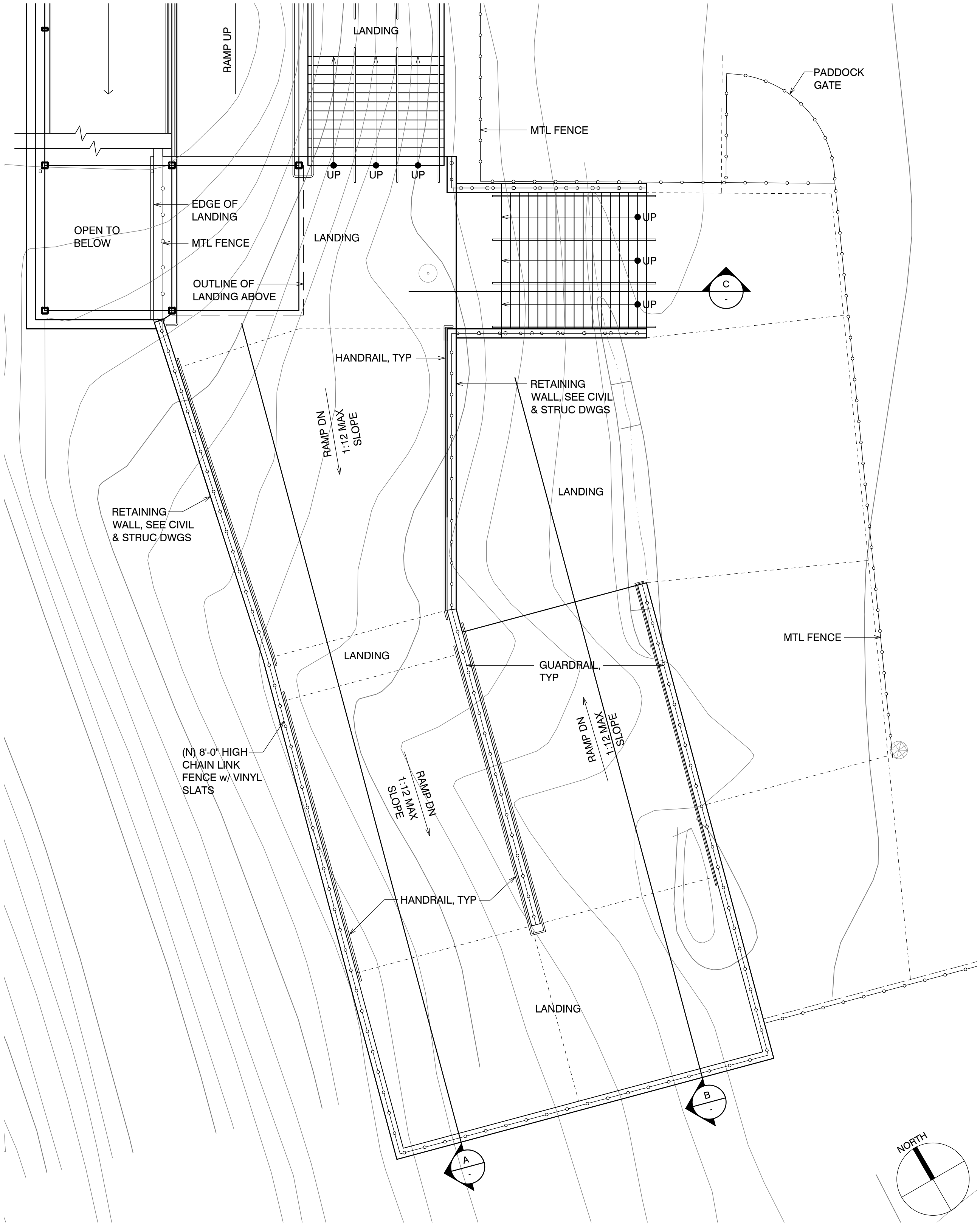
B RAMP SECTION

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



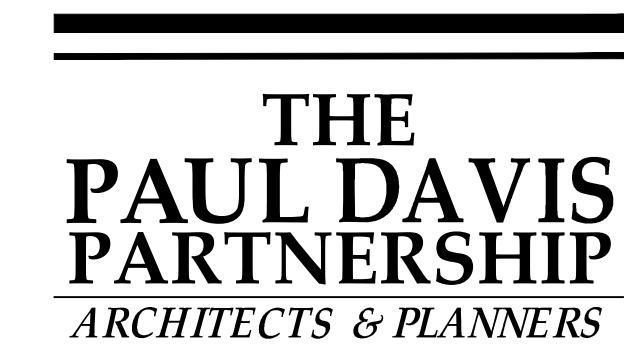
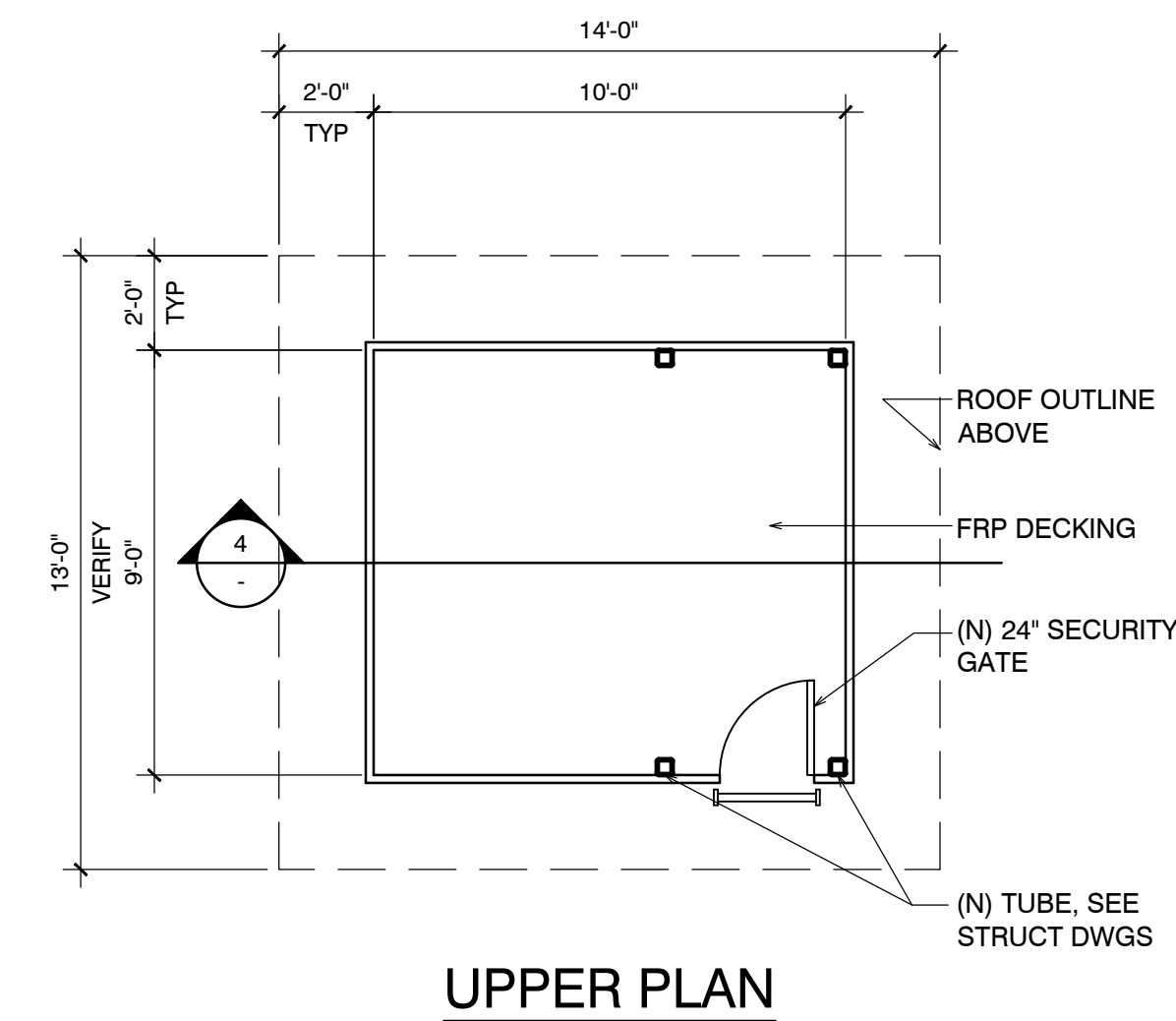
C STAIR SECTION

SCALE: 1/2" = 1'-0"

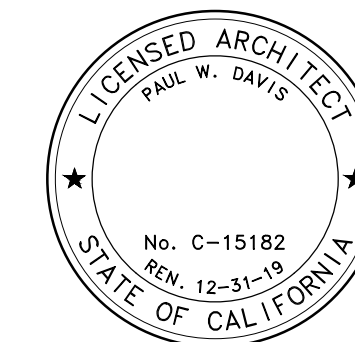


1 RAMP AT PADDOCK AREA

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



*The Paul Davis Partnership, LLP
286 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com*



Drawn By:	ML, VQ
Drawing Date:	04/06/18
Project Number:	1725

Revisions:

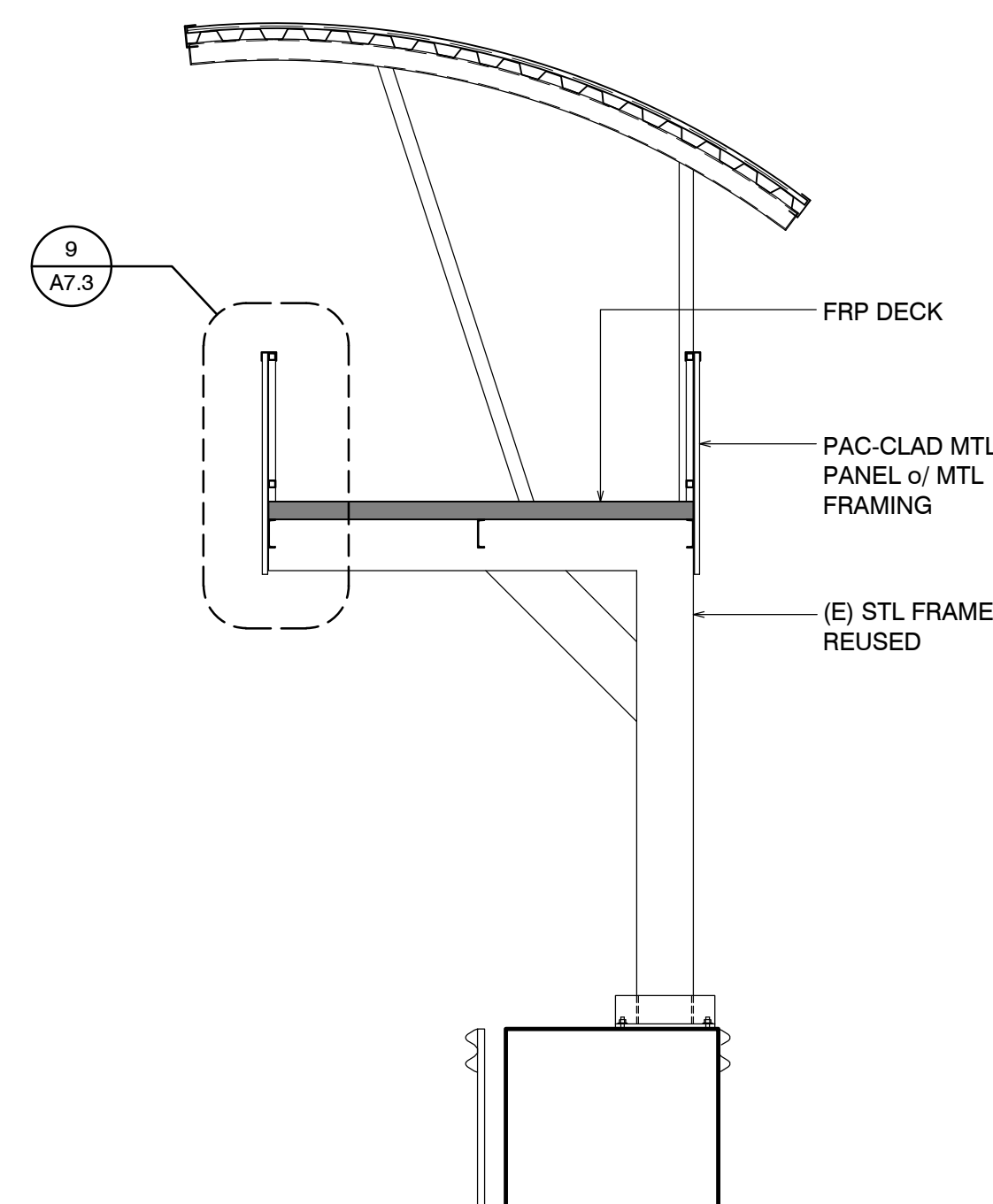
The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.



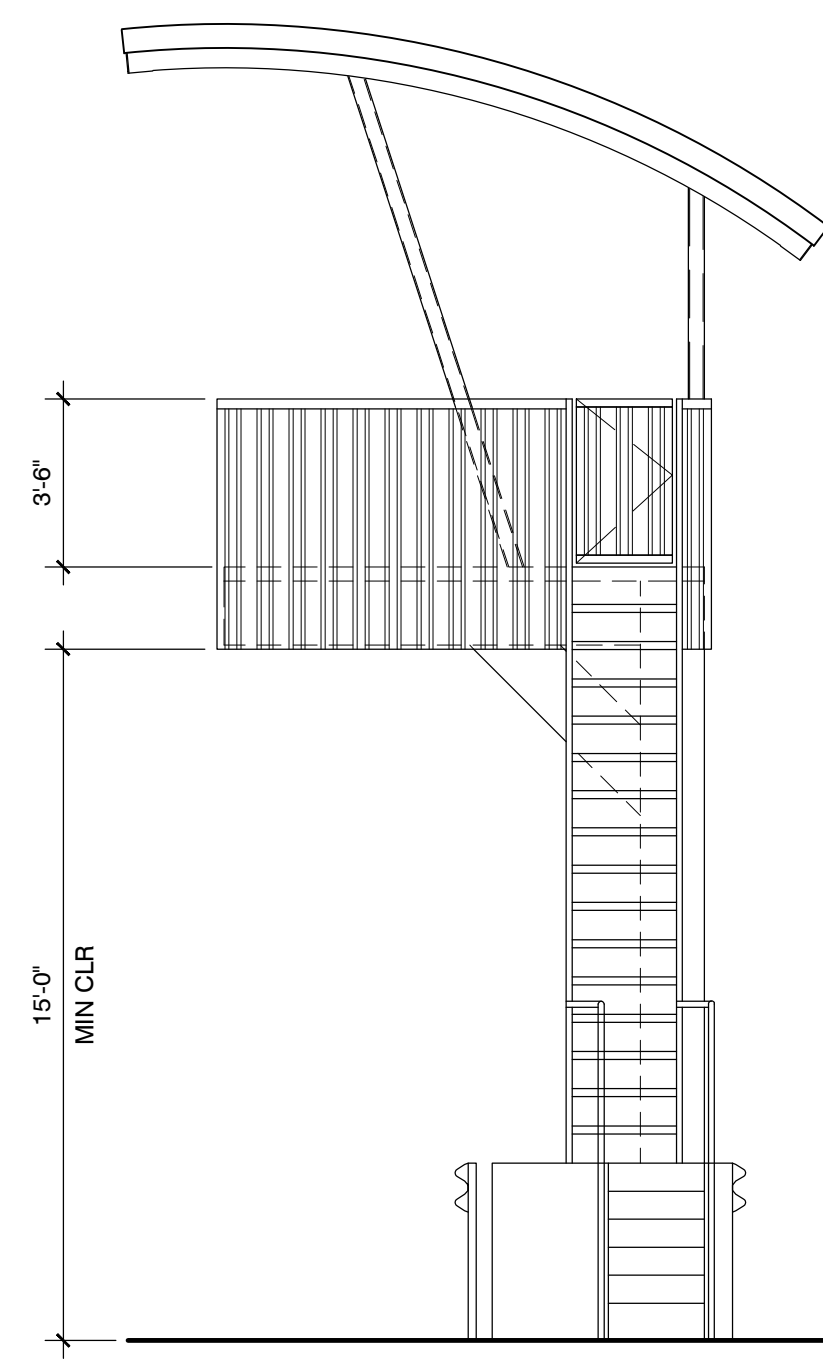
Sheet Title:
NEW STARTER'S
STAND - FLOOR PLAN
ELEVATION / SECTION

Sheet Number:

A2.4



4 SECTION
SCALE: 1/4" = 1'-0"

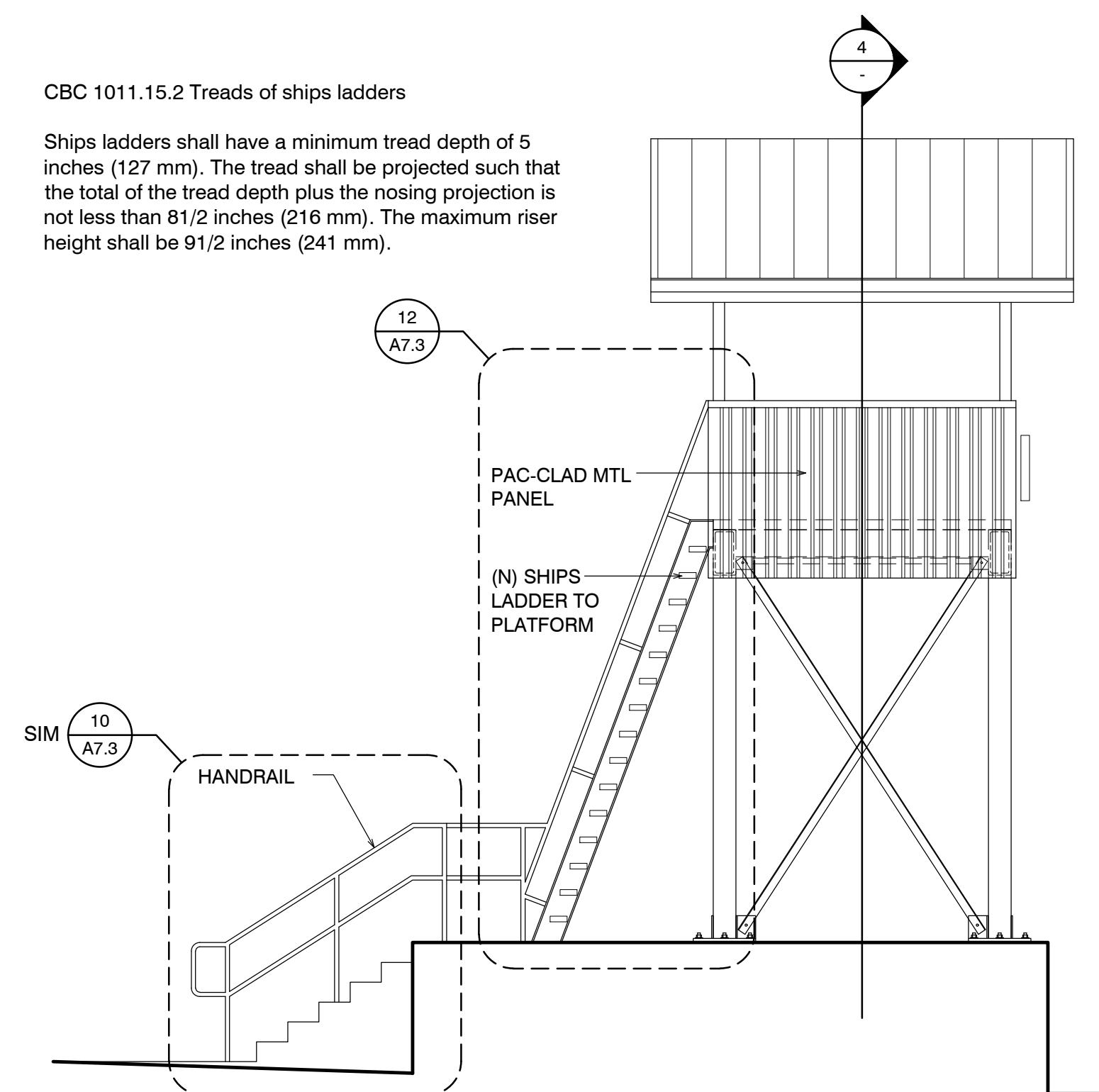


③ ELEVATION

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

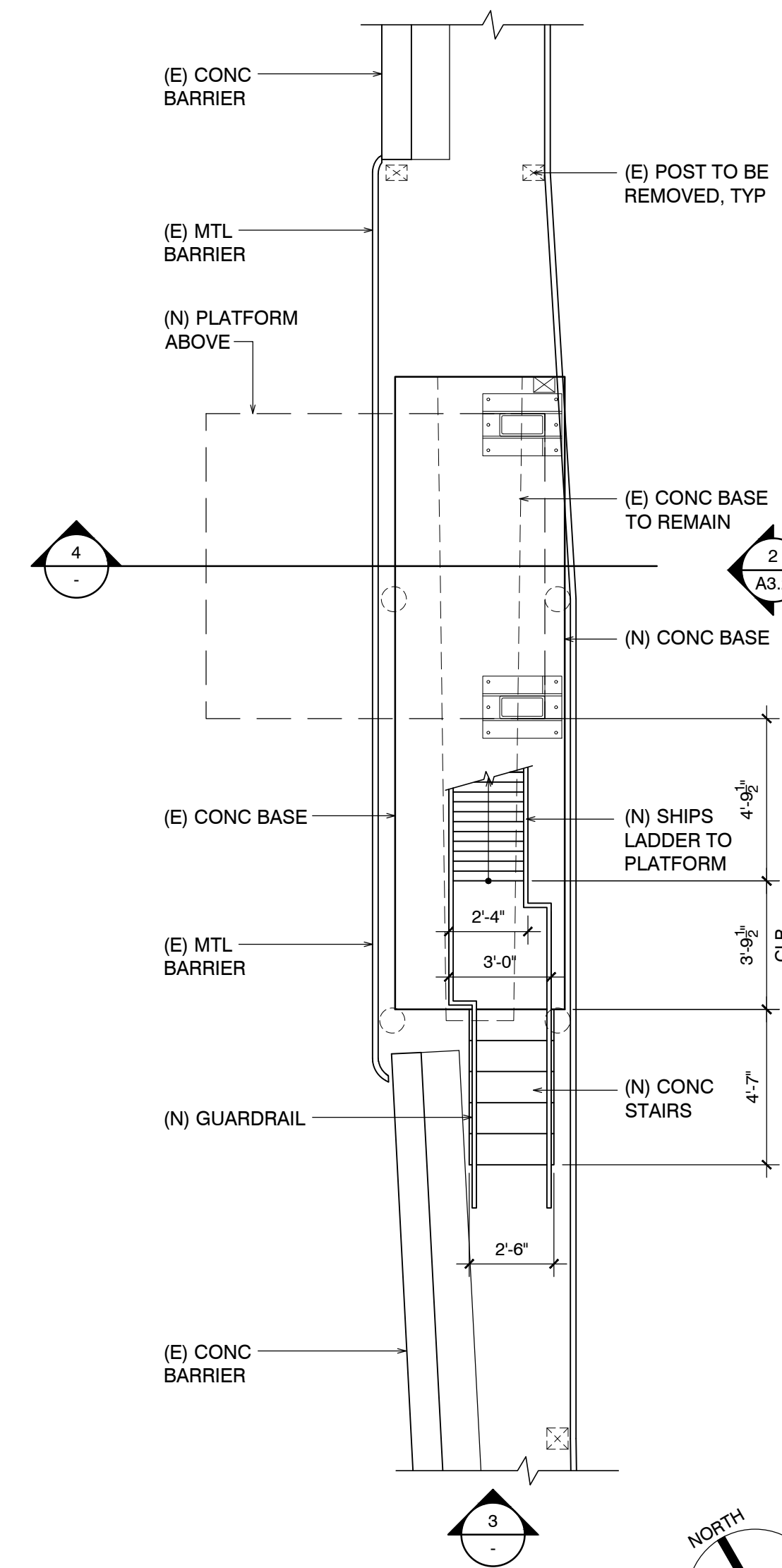
CBC 1011.15.2 Treads of ships ladders

Ships ladders shall have a minimum tread depth of 5 inches (127 mm). The tread shall be projected such that the total of the tread depth plus the nosing projection is not less than 81/2 inches (216 mm). The maximum riser height shall be 91/2 inches (241 mm).



2 ELEVATION

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



1 FLOOR PLAN

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

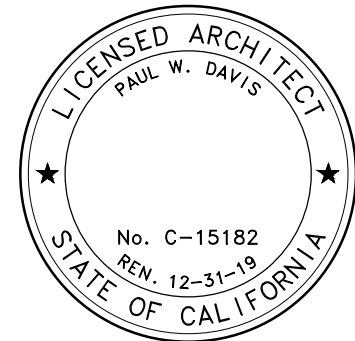
LAGUNA SECA
START-FINISH
BRIDGE

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

APN: 173-011-023-000

THE
PAUL DAVIS
PARTNERSHIP
ARCHITECTS & PLANNERS

The Paul Davis Partnership, LLP
288 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com



Drawn By: ML, VQ
Drawing Date: 04/06/18
Project Number: 1725

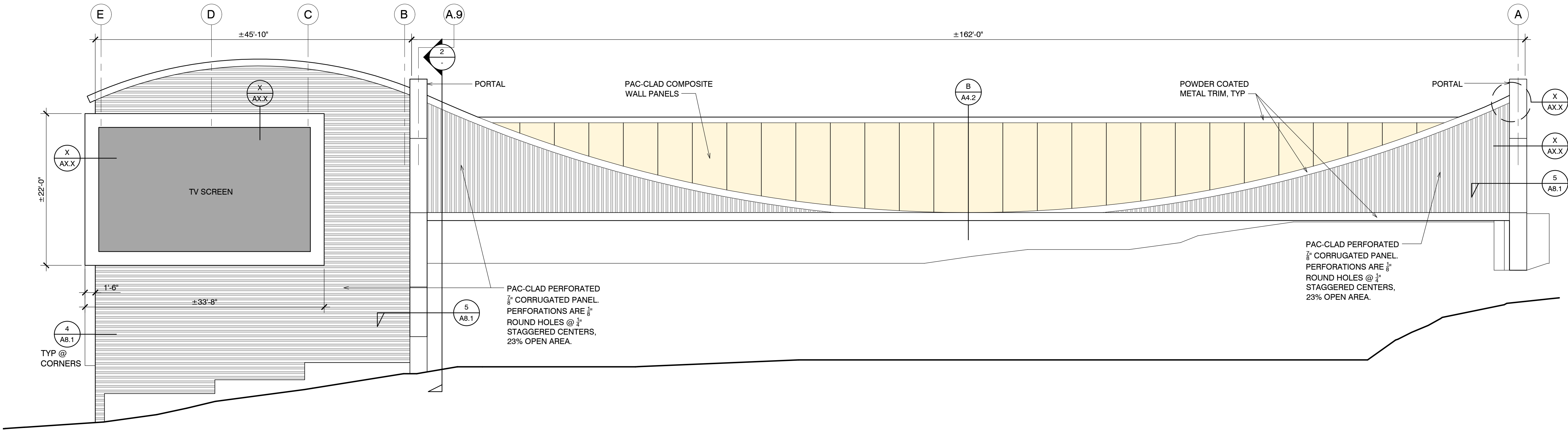
Revisions:

The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.

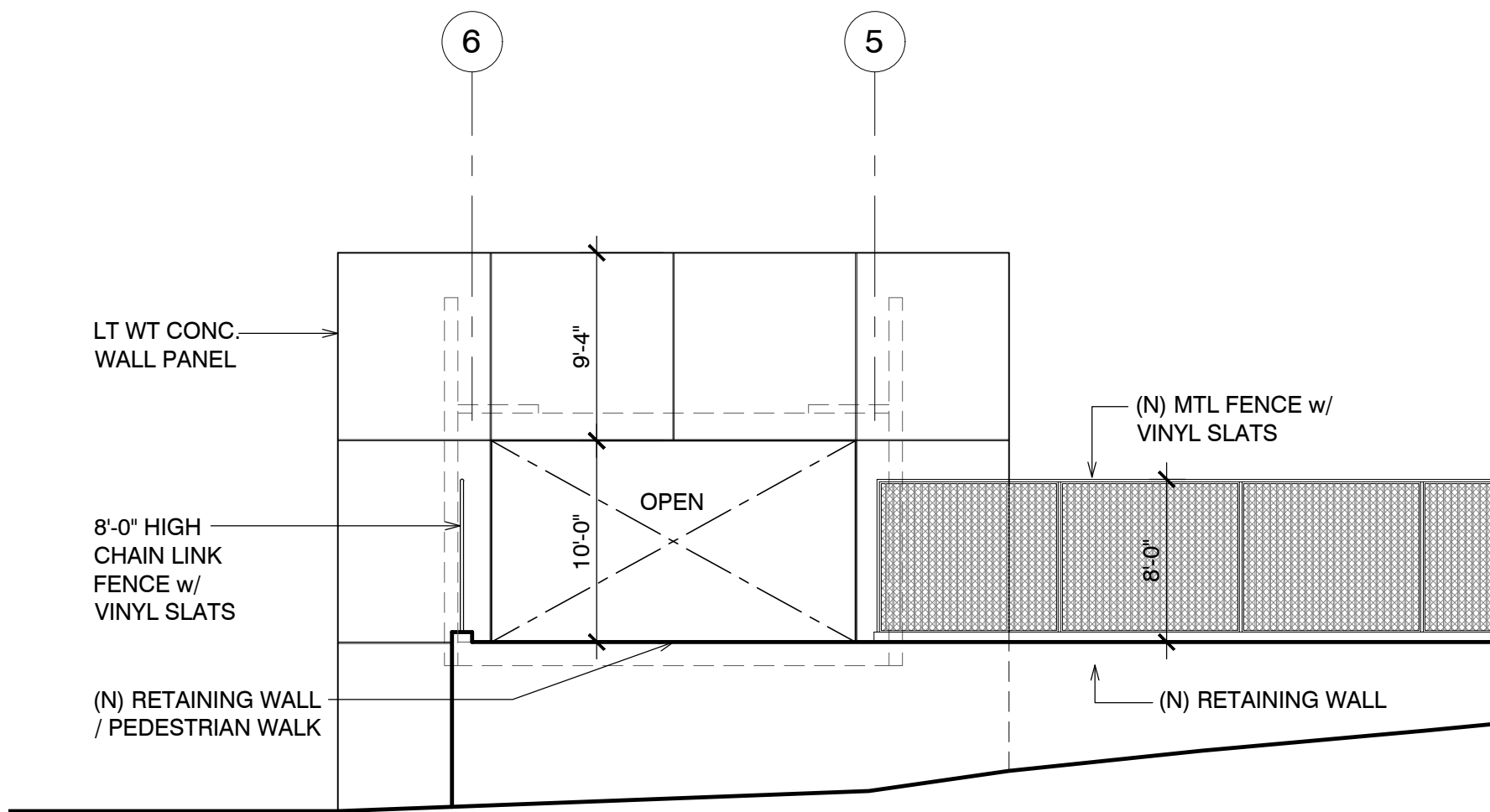


Sheet Title:
EXTERIOR
ELEVATIONS

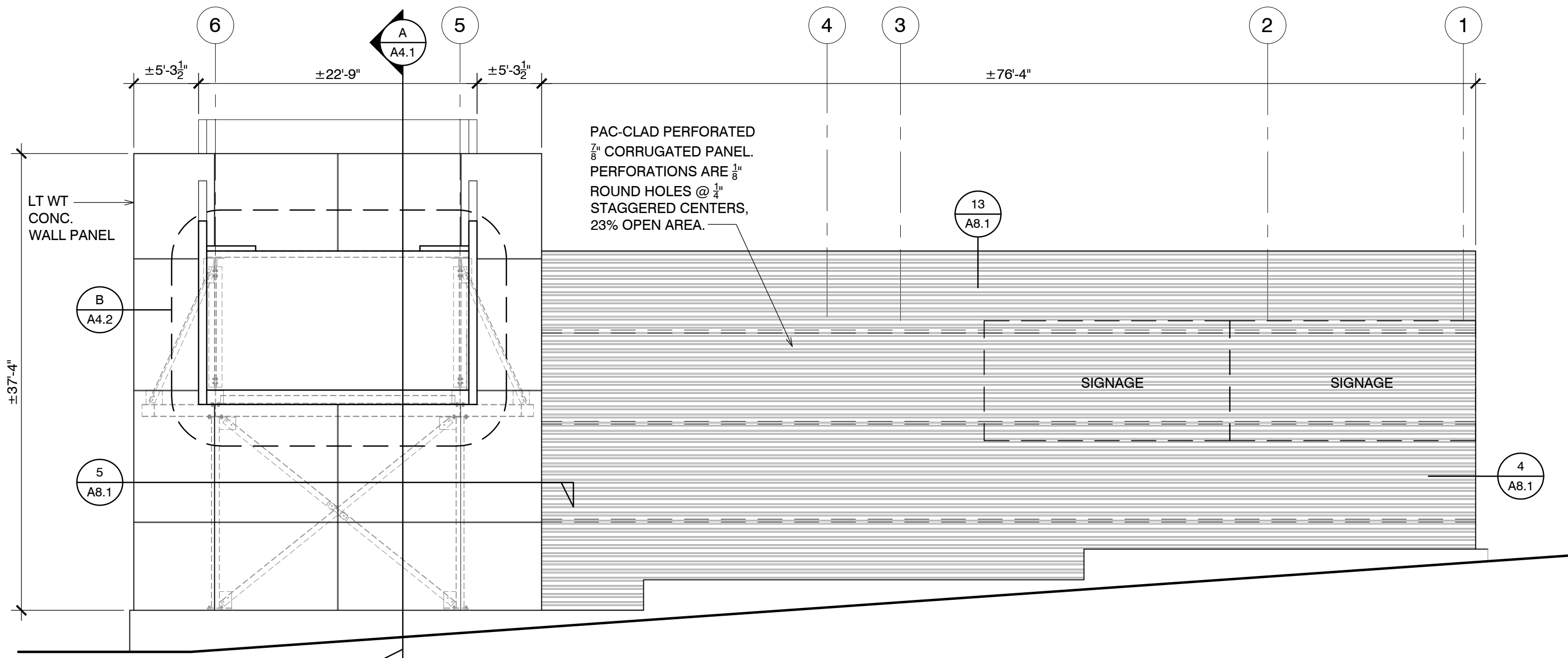
Sheet Number:



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



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



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

LAGUNA SECA
START-FINISH
BRIDGE

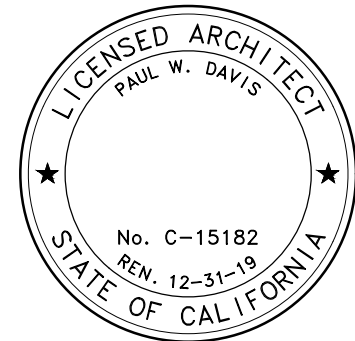
COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

APN: 173-011-023-000

THE
PAUL DAVIS
PARTNERSHIP
ARCHITECTS & PLANNERS



The Paul Davis Partnership, LLP
286 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com



Drawn By: ML, VQ
Drawing Date: 04/06/18
Project Number: 1725

Revisions:

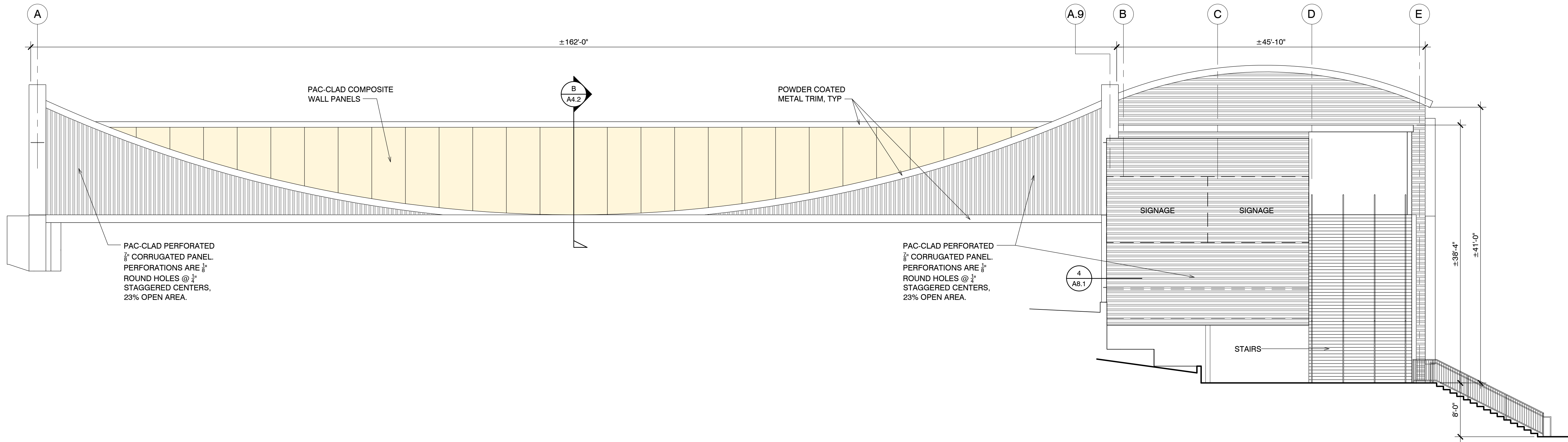
The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.



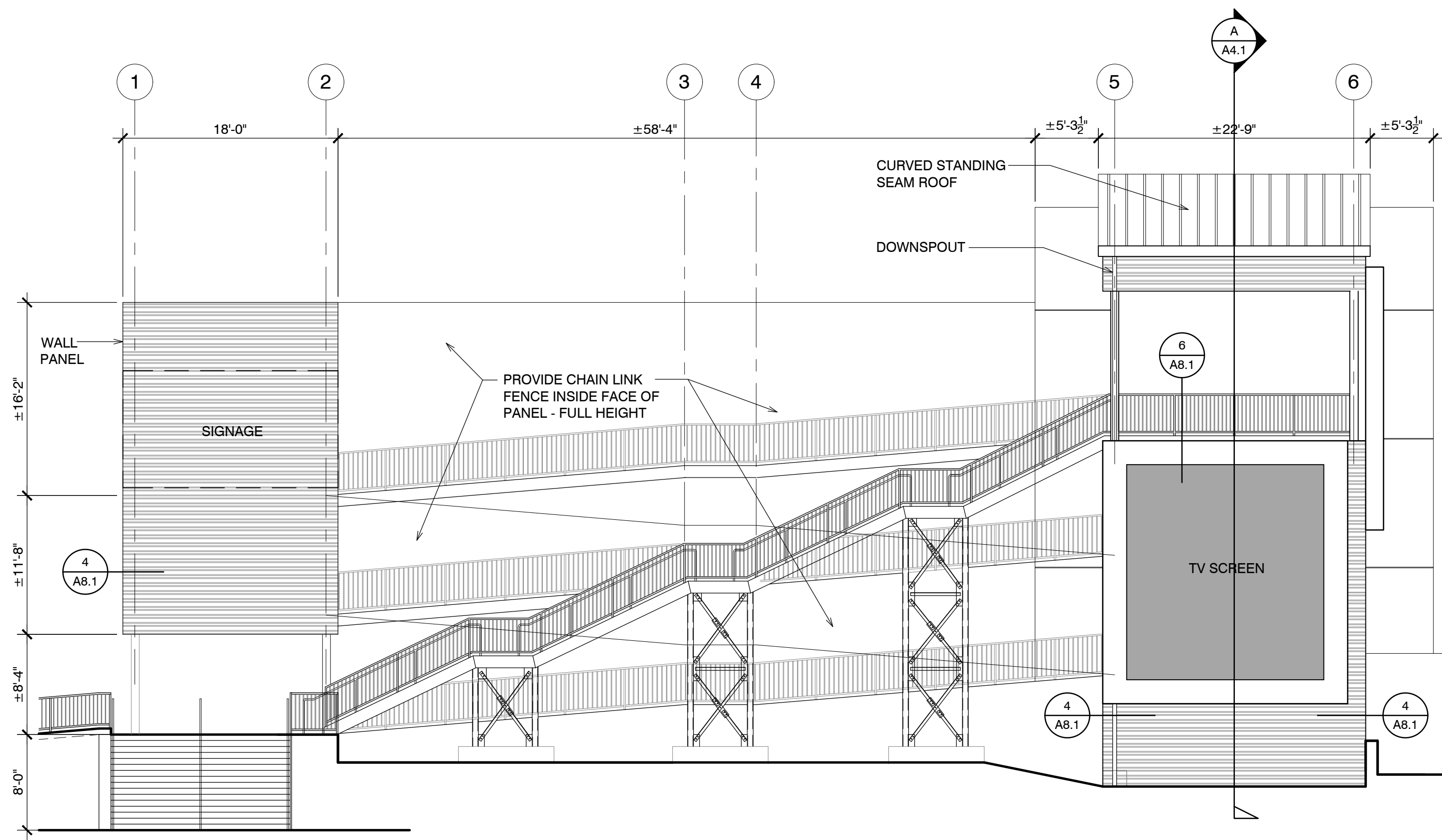
Sheet Title:
EXTERIOR
ELEVATIONS

Sheet Number:

A3.2

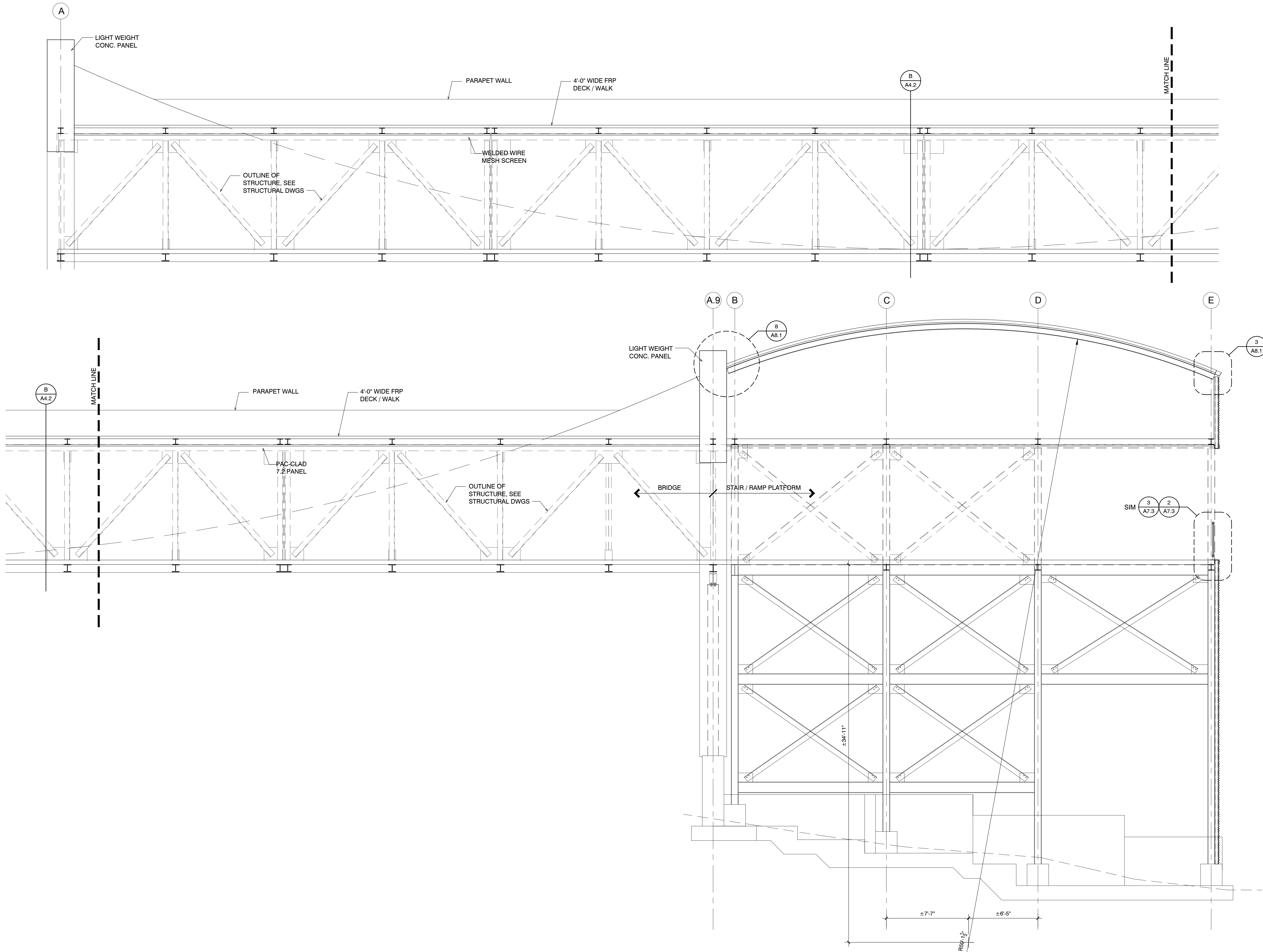


1 WEST ELEVATION
SCALE: 1/8" = 1'-0"



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

Z:\Projects\Projects 2017\1725_MOCO Laguna Seca Bridge\Plot Sheets\A4.1.dwg, 4/13/2018 8:41:58 AM, ARCH full bleed D (36.00 x 24.00 inches)



A BRIDGE SECTION

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

Project / Owner:

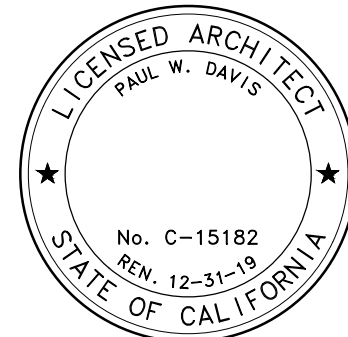
LAGUNA SECA START-FINISH BRIDGE

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

APN: 173-011-023-000

THE PAUL DAVIS PARTNERSHIP ARCHITECTS & PLANNERS

The Paul Davis Partnership, LLP
288 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com



Drawn By: ML, VQ
Drawing Date: 04/06/18
Project Number: 1725

Revisions:

The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.

ENLARGED BRIDGE SECTION

Sheet Number:

A4.1

LAGUNA SECA
START-FINISH
BRIDGE

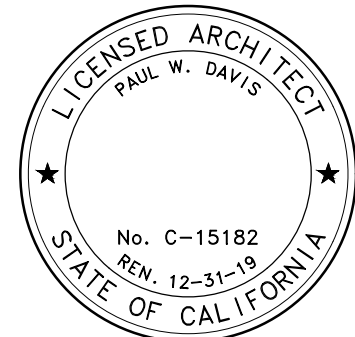
COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

APN: 173-011-023-000

THE
PAUL DAVIS
PARTNERSHIP
ARCHITECTS & PLANNERS



The Paul Davis Partnership, LLP
286 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com



Drawn By: ML, VQ
Drawing Date: 04/06/18
Project Number: 1725

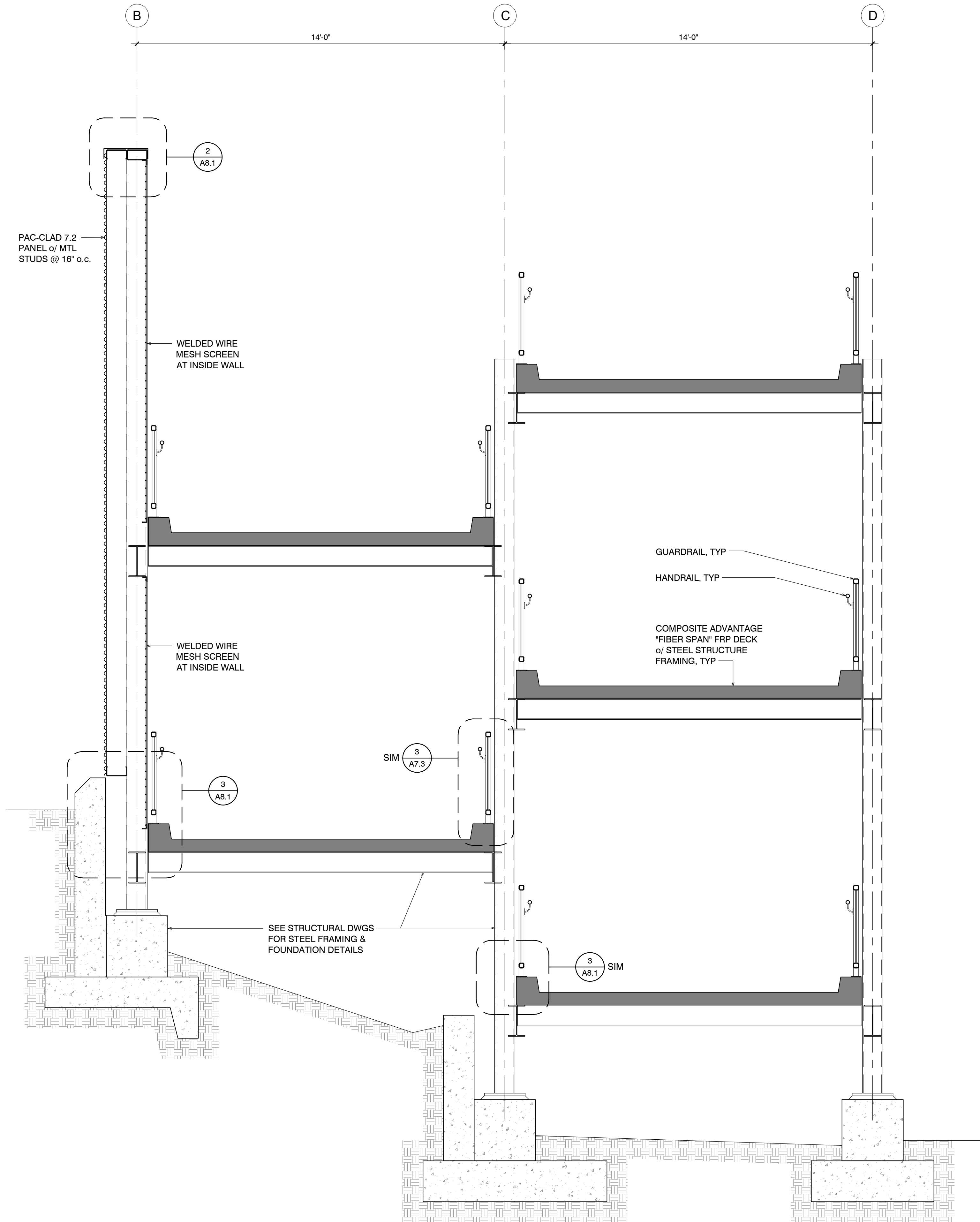
Revisions:

The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.

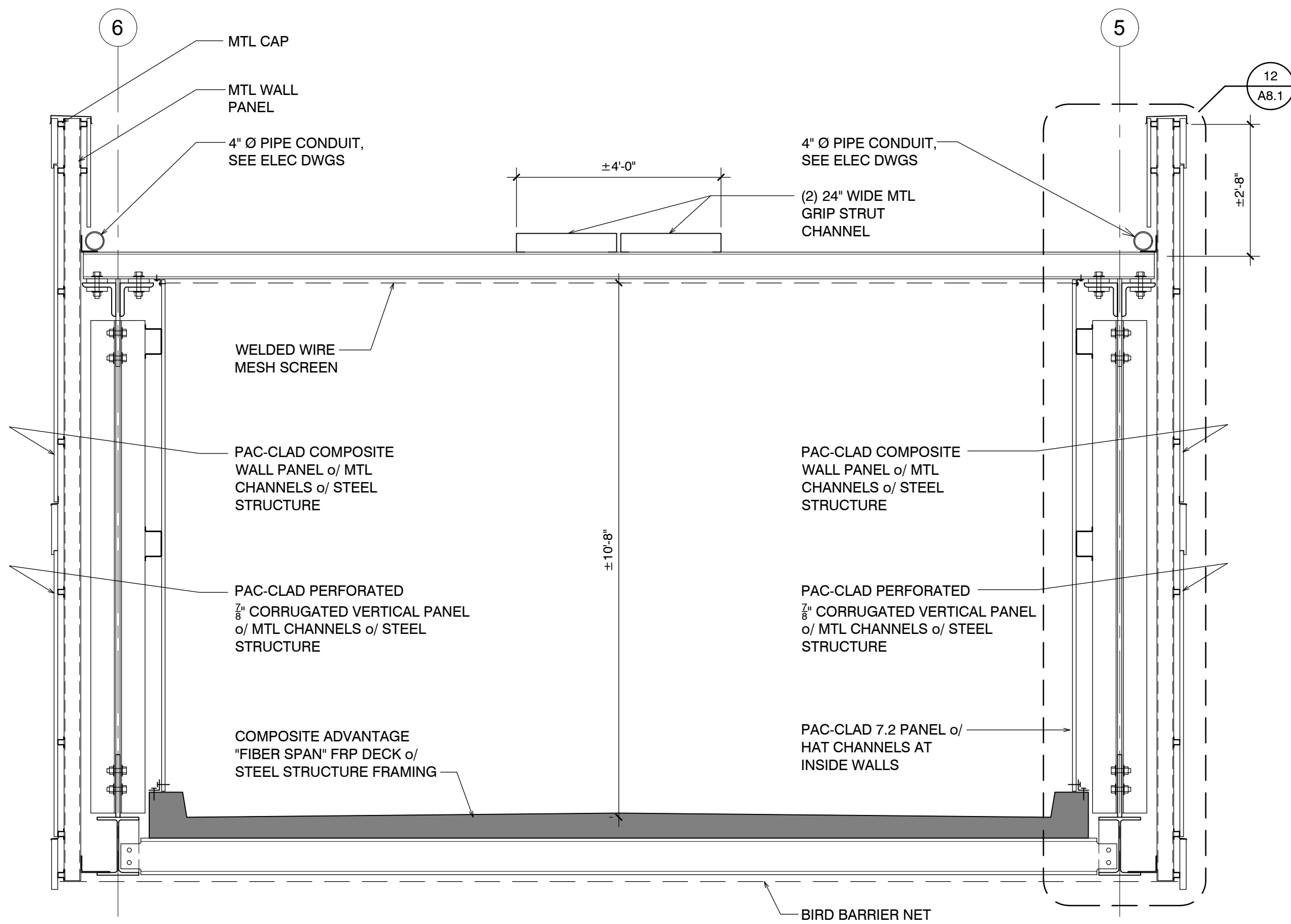


Sheet Title:
BRIDGE / RAMP
SECTIONS

Sheet Number:



A RAMP SECTION
SCALE: 1/2" = 1'-0"



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

Project / Owner:

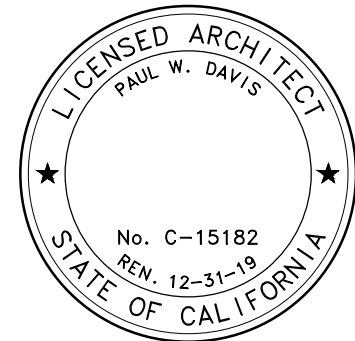
LAGUNA SECA
START-FINISH
BRIDGE

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

APN: 173-011-023-000

THE
PAUL DAVIS
PARTNERSHIP
ARCHITECTS & PLANNERS

The Paul Davis Partnership, LLP
288 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com



Drawn By: ML, VQ
Drawing Date: 04/06/18
Project Number: 1725

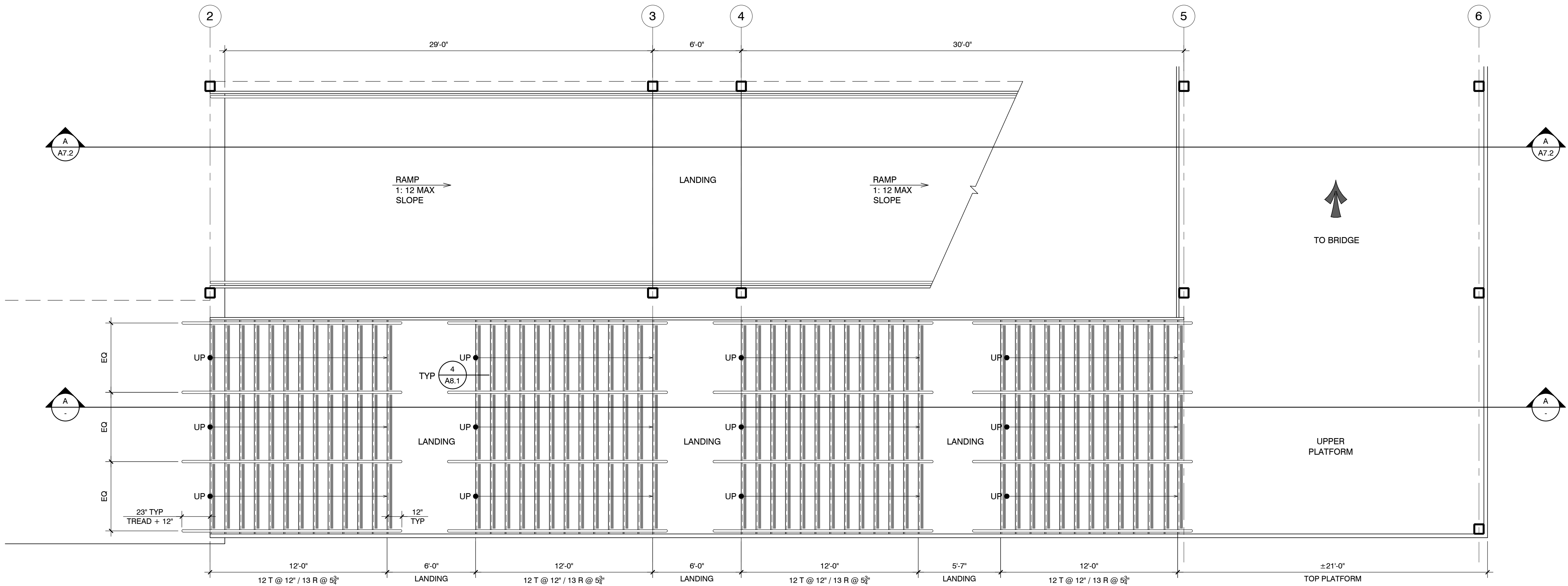
Revisions:

The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.

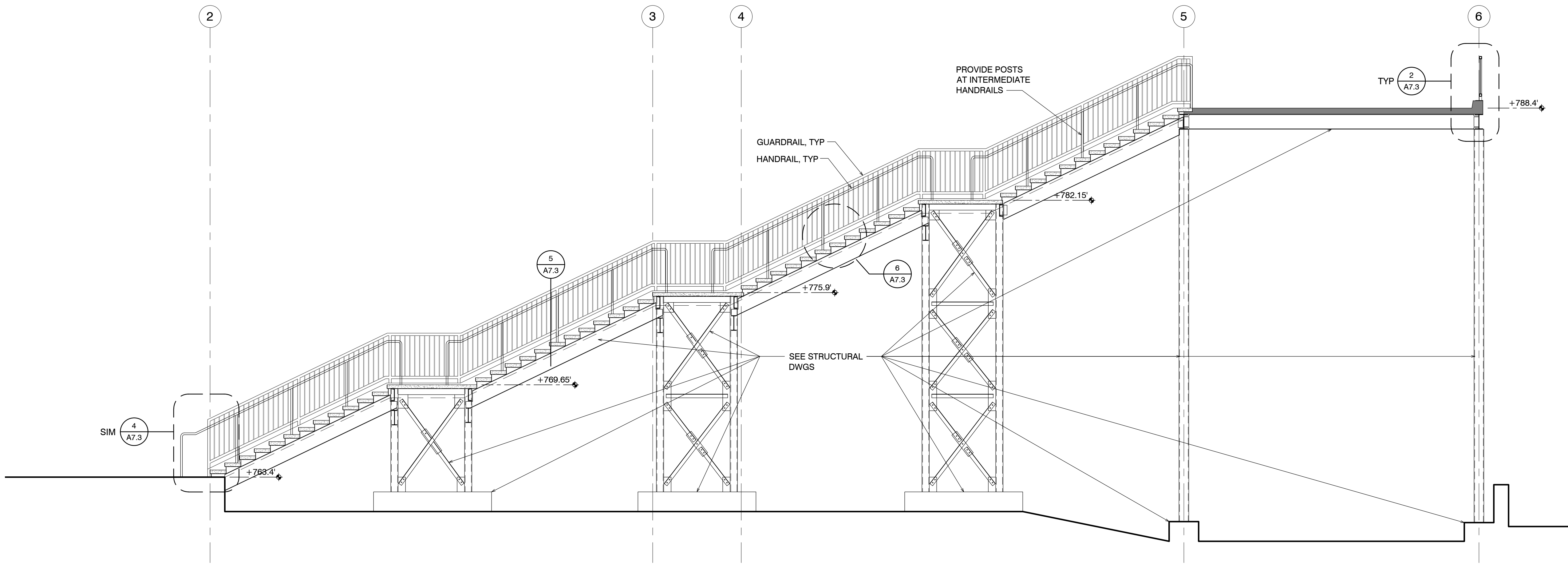


Sheet Title:
ENLARGED STAIR
PLAN & SECTION

Sheet Number:



1 ENLARGED STAIR PLAN
SCALE: 1/4" = 1'-0"



A ENLARGED STAIR SECTION
SCALE: 1/4" = 1'-0"

A7.1

Project / Owner:

LAGUNA SECA
START-FINISH
BRIDGE

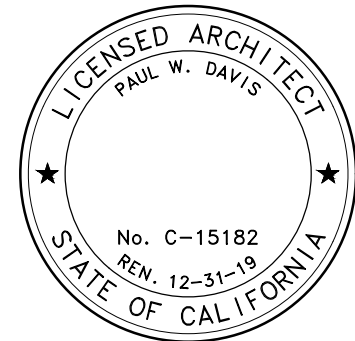
COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

APN: 173-011-023-000

THE
PAUL DAVIS
PARTNERSHIP
ARCHITECTS & PLANNERS



The Paul Davis Partnership, LLP
288 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com



Drawn By: ML, VQ
Drawing Date: 04/06/18
Project Number: 1725

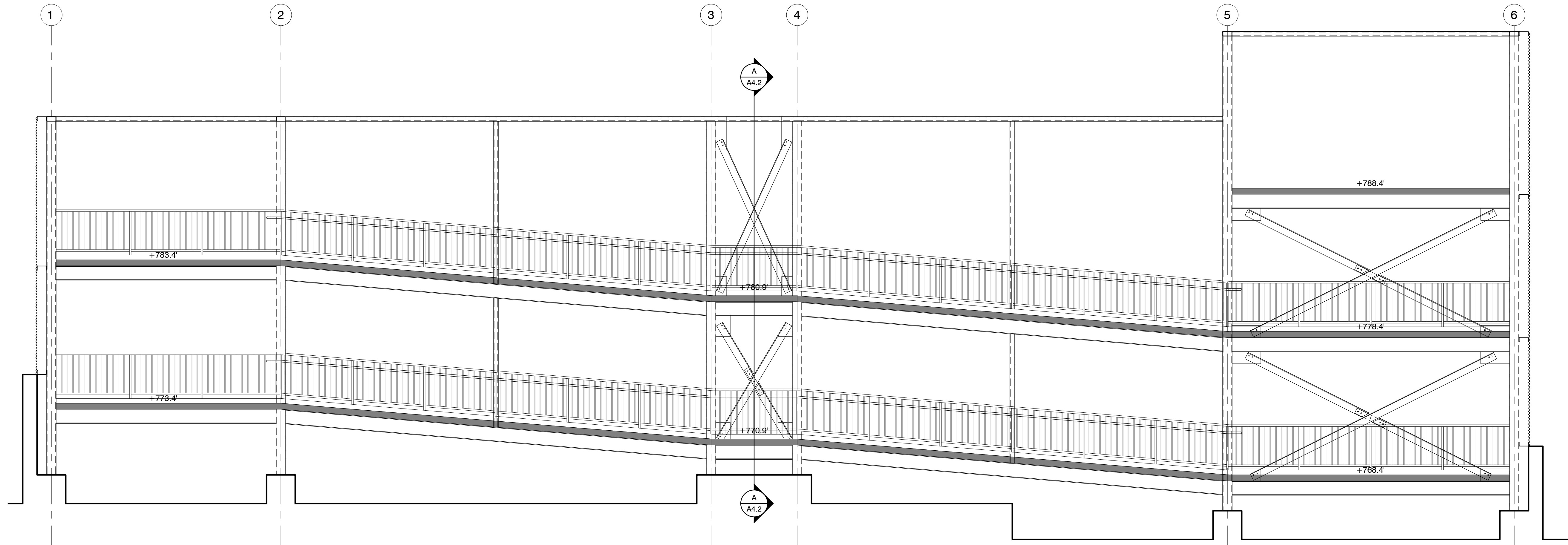
Revisions:

The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.

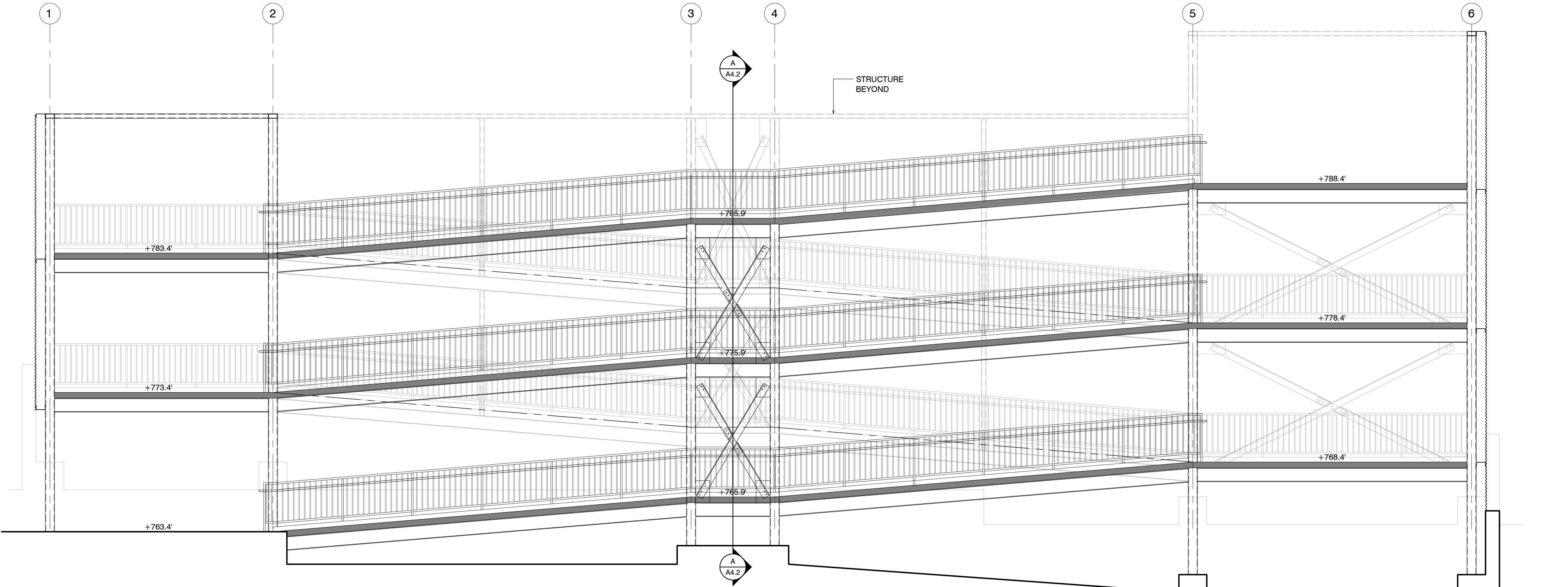


Sheet Title:
ENLARGED RAMP
SECTION

Sheet Number:

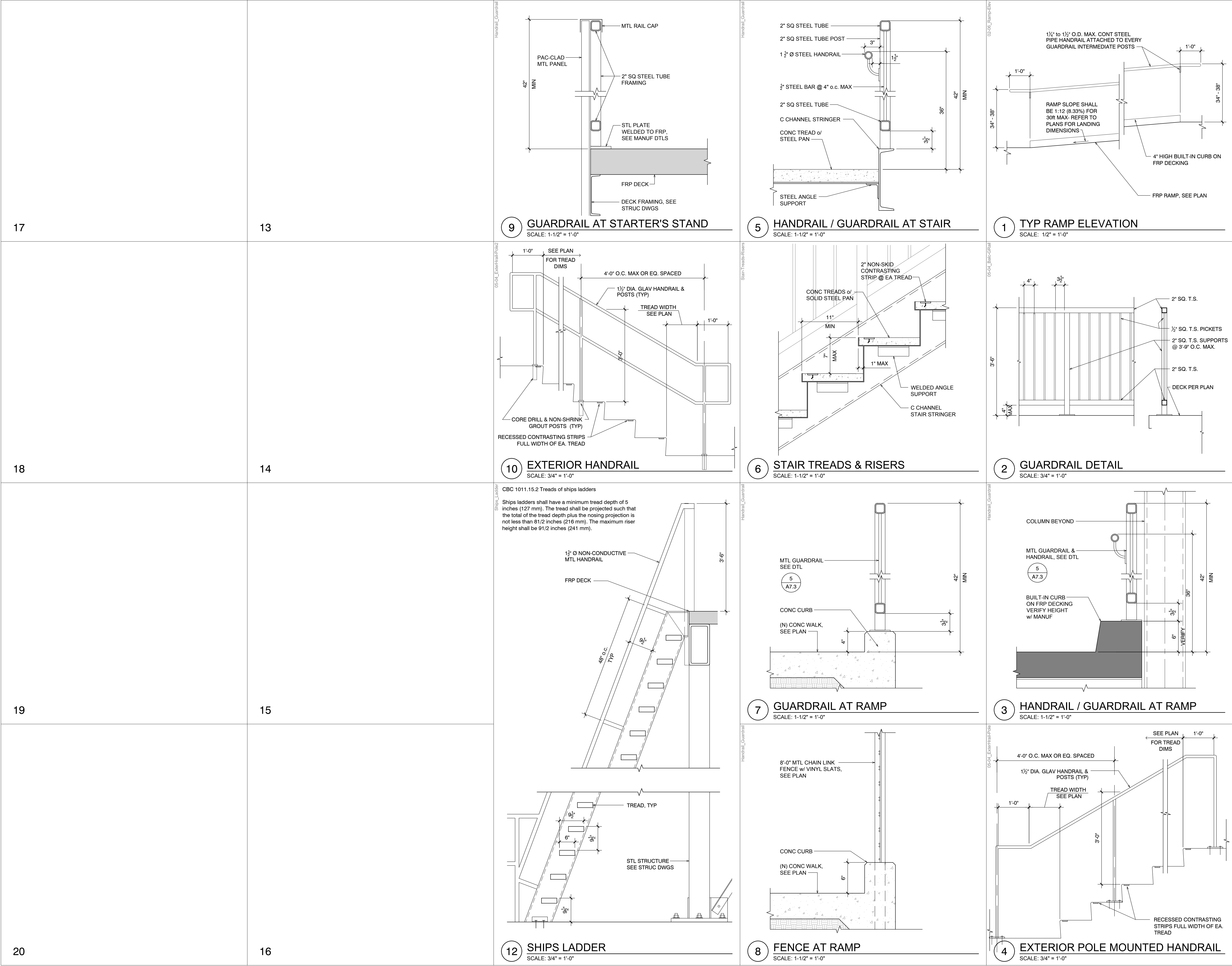


A ENLARGED RAMP SECTION
SCALE: 1/4" = 1'-0"



B ENLARGED RAMP SECTION
SCALE: 1/4" = 1'-0"

A7.2



Project / Owner:

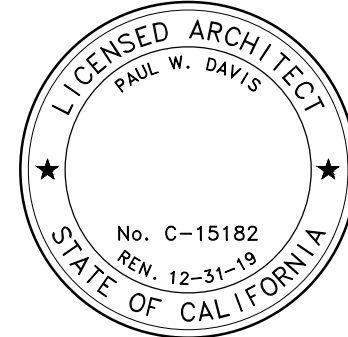
LAGUNA SECA
START-FINISH
BRIDGE

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

APN: 173-011-023-000

THE
PAUL DAVIS
PARTNERSHIP
ARCHITECTS & PLANNERS

The Paul Davis Partnership, LLP
288 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com



Drawn By: ML, VQ
Drawing Date: 04/06/18
Project Number: 1725

Revisions:

The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.

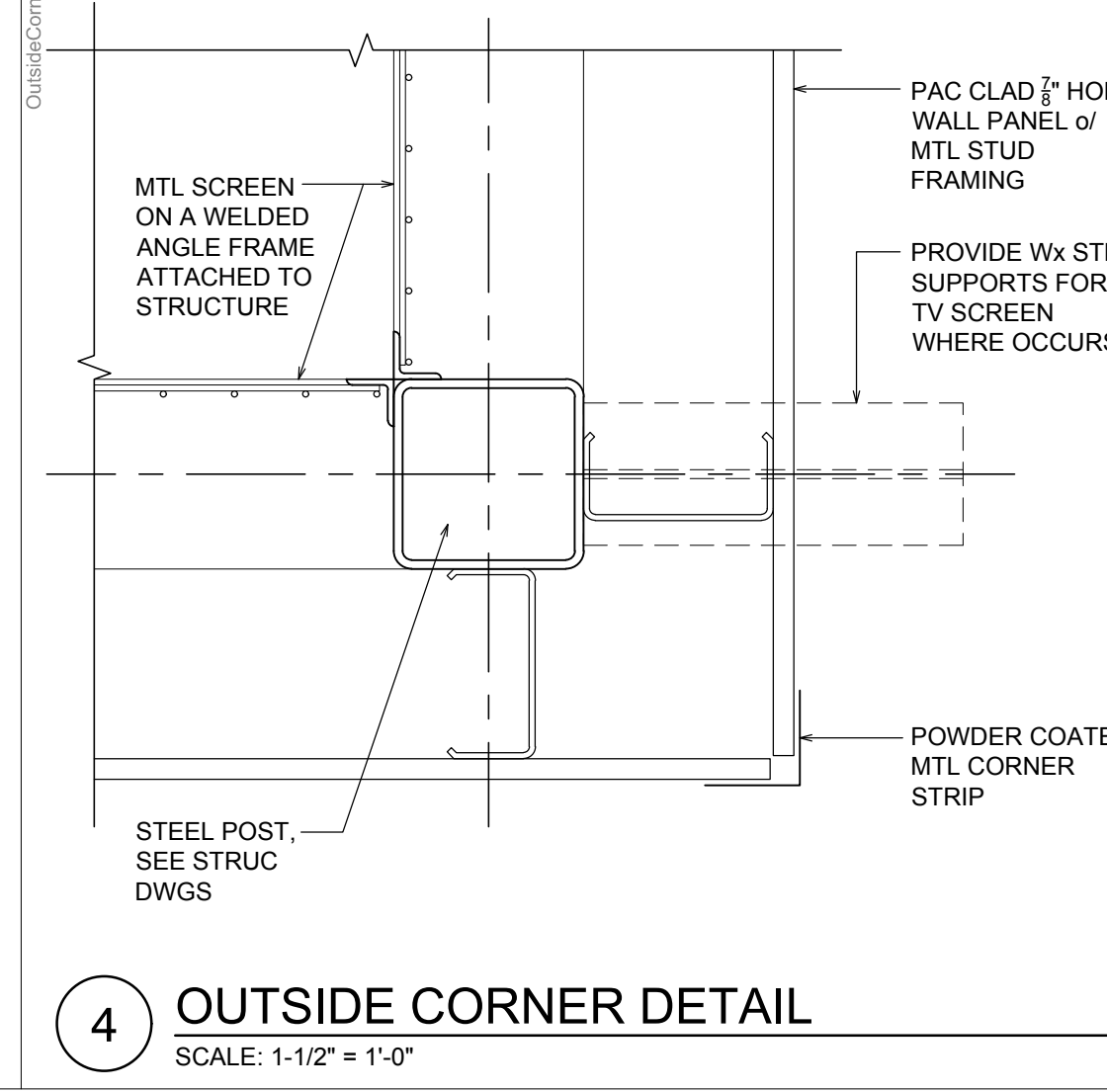
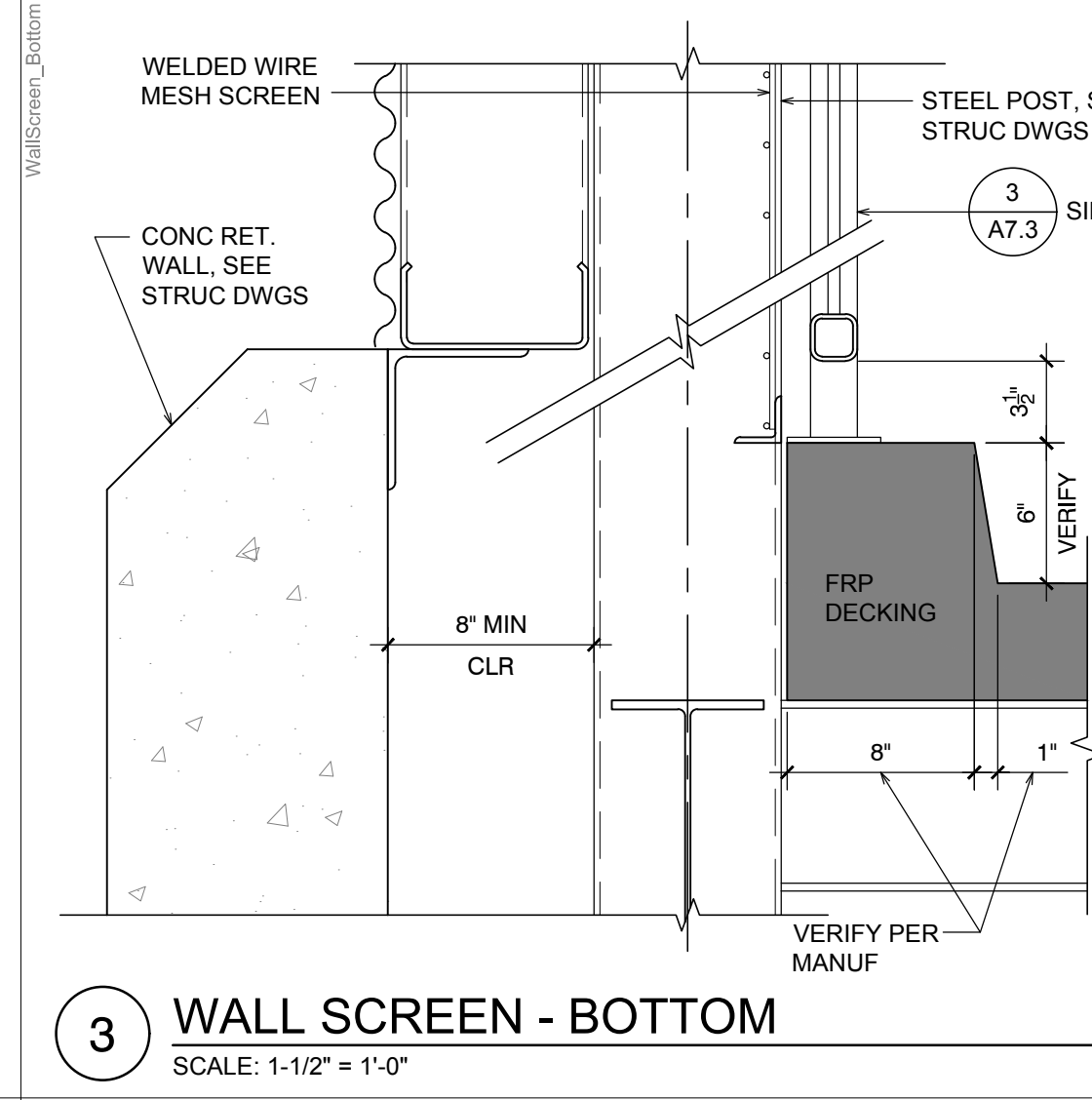
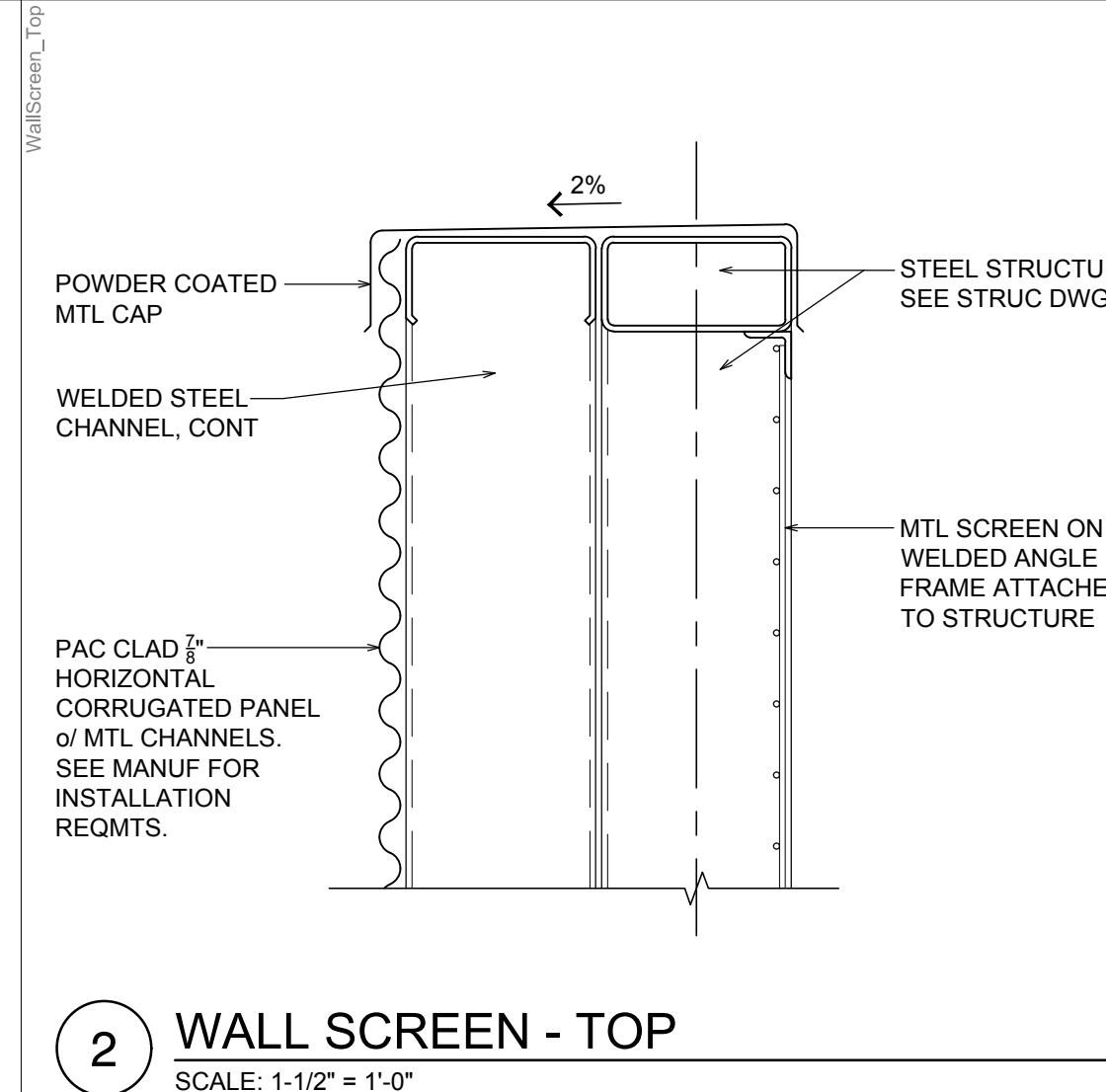
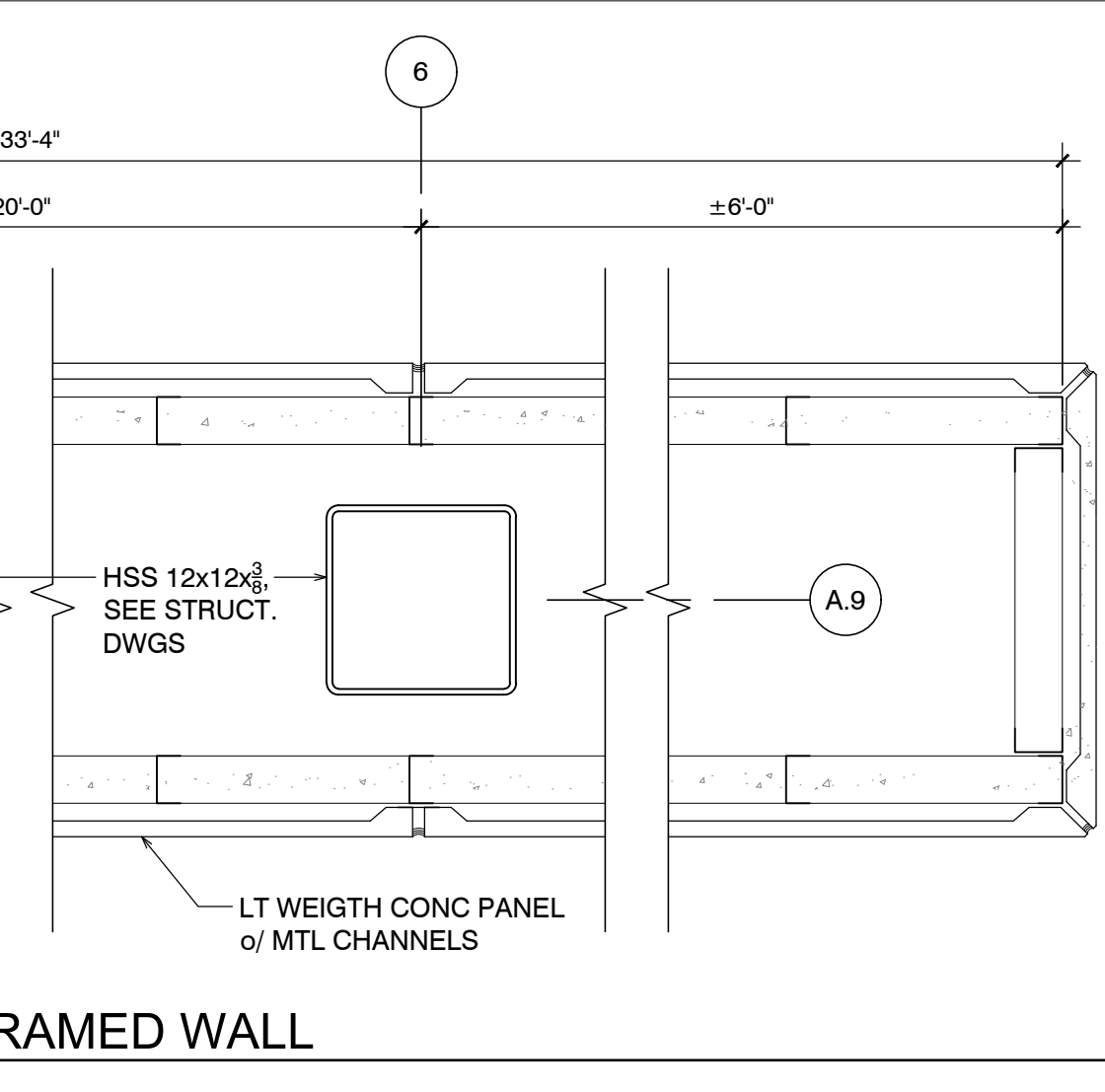
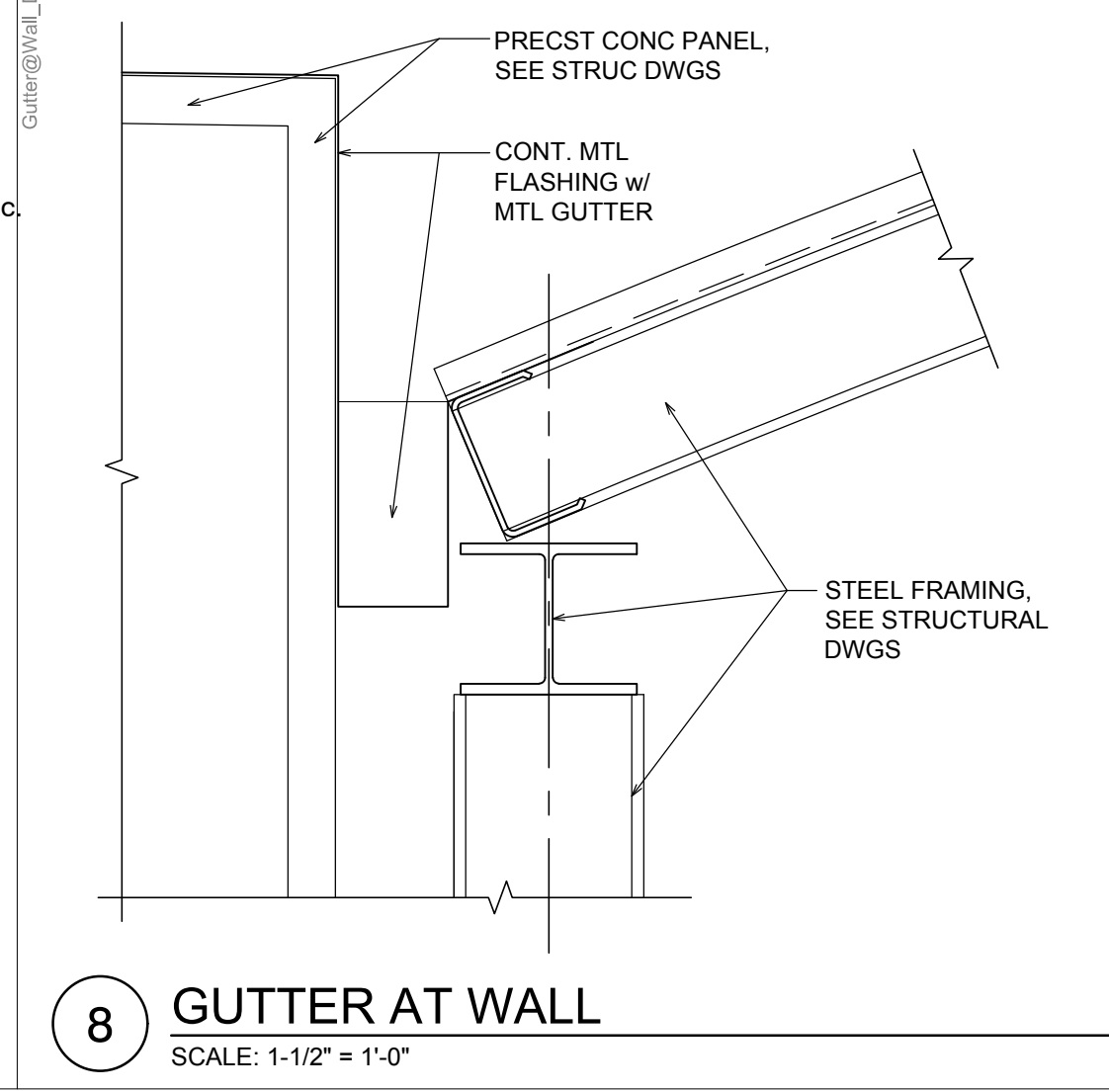
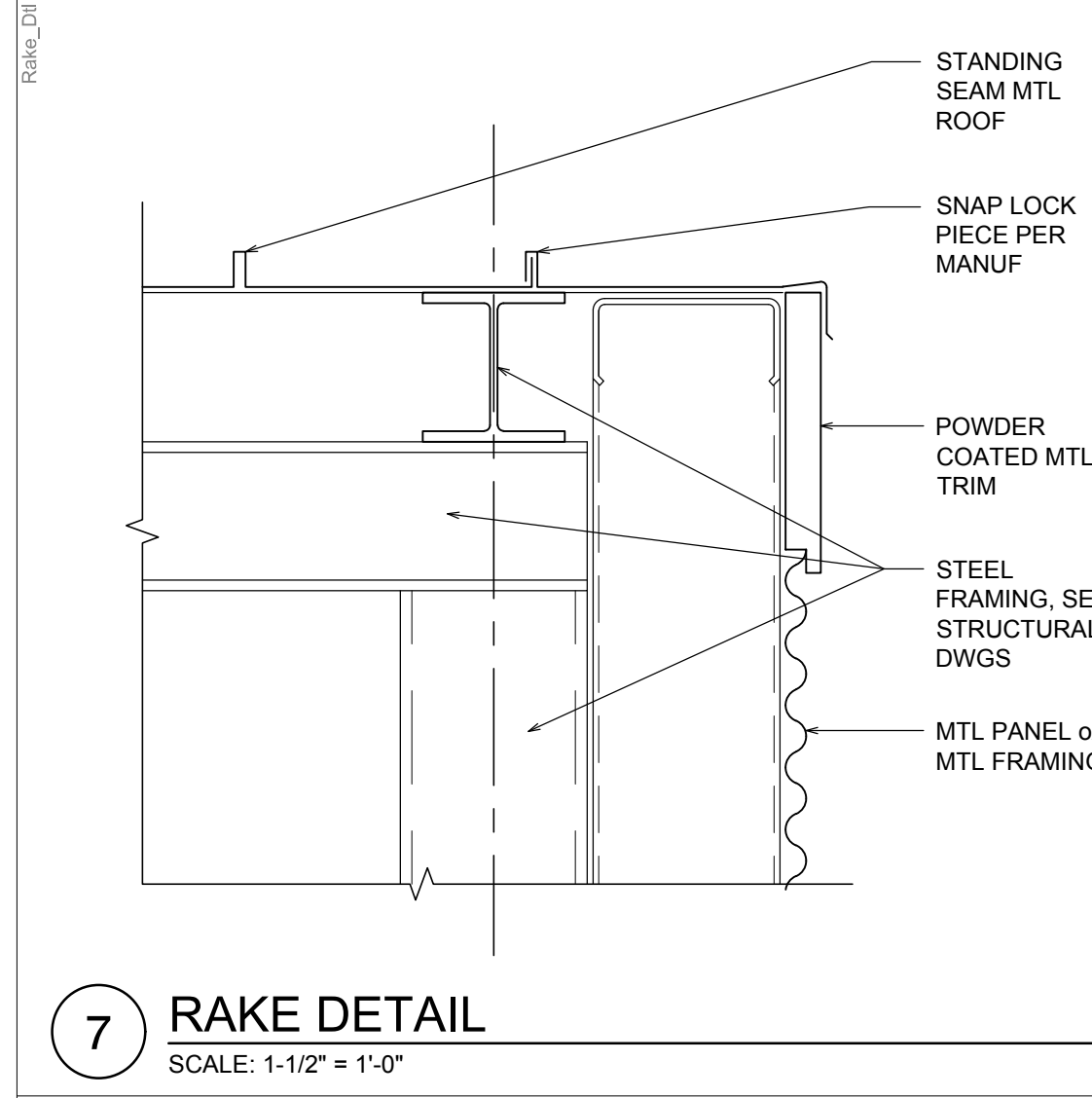
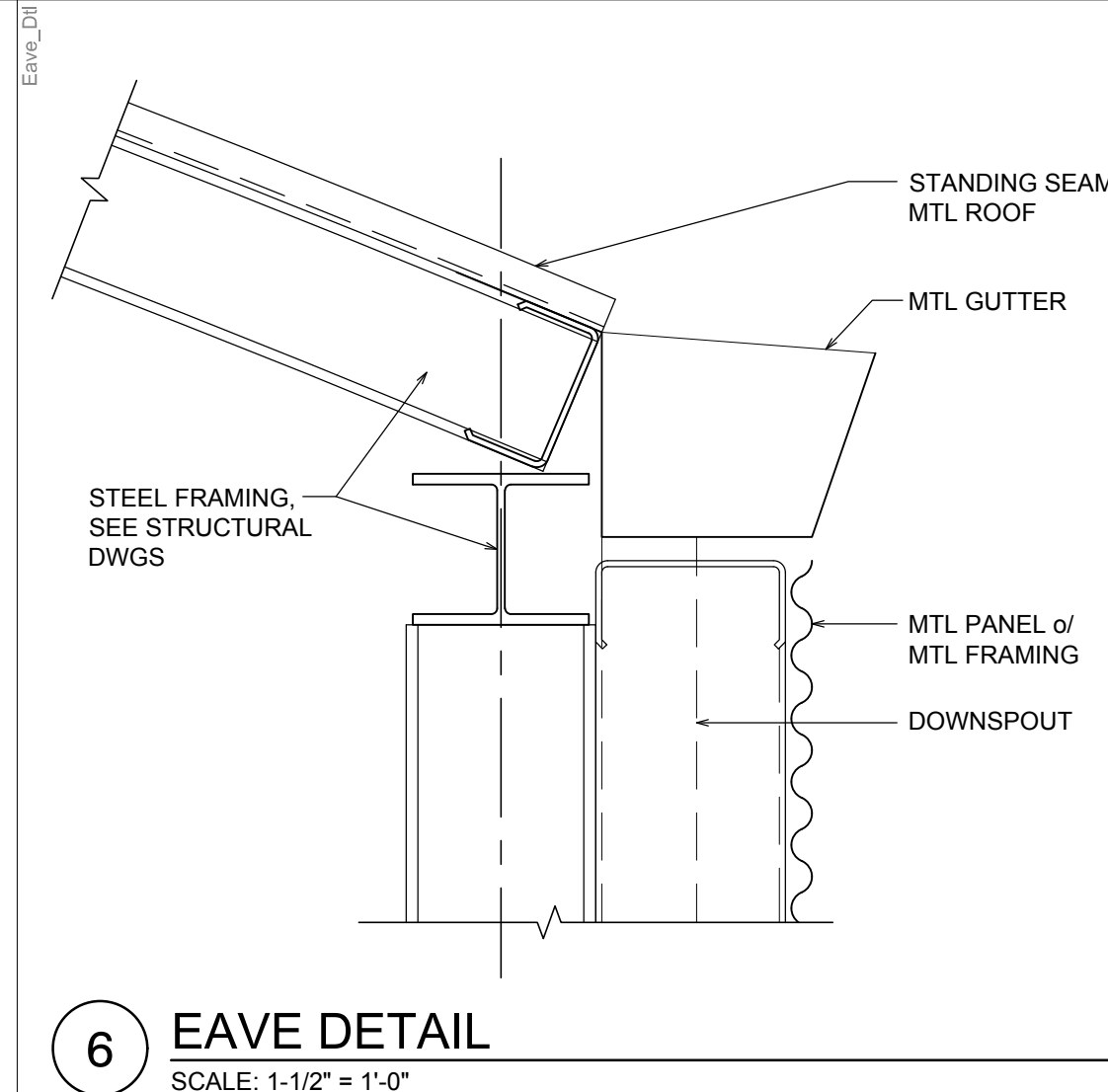
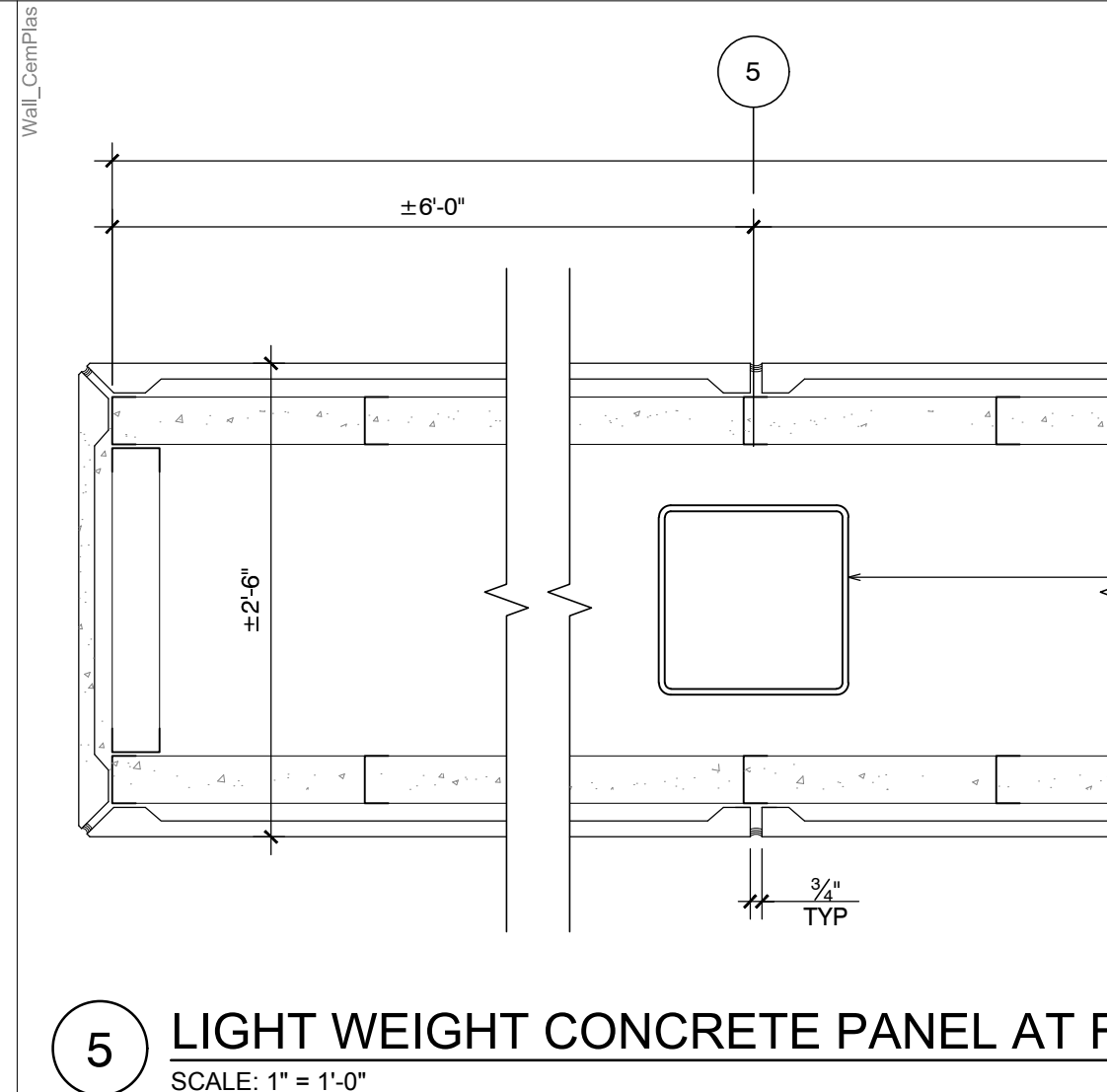
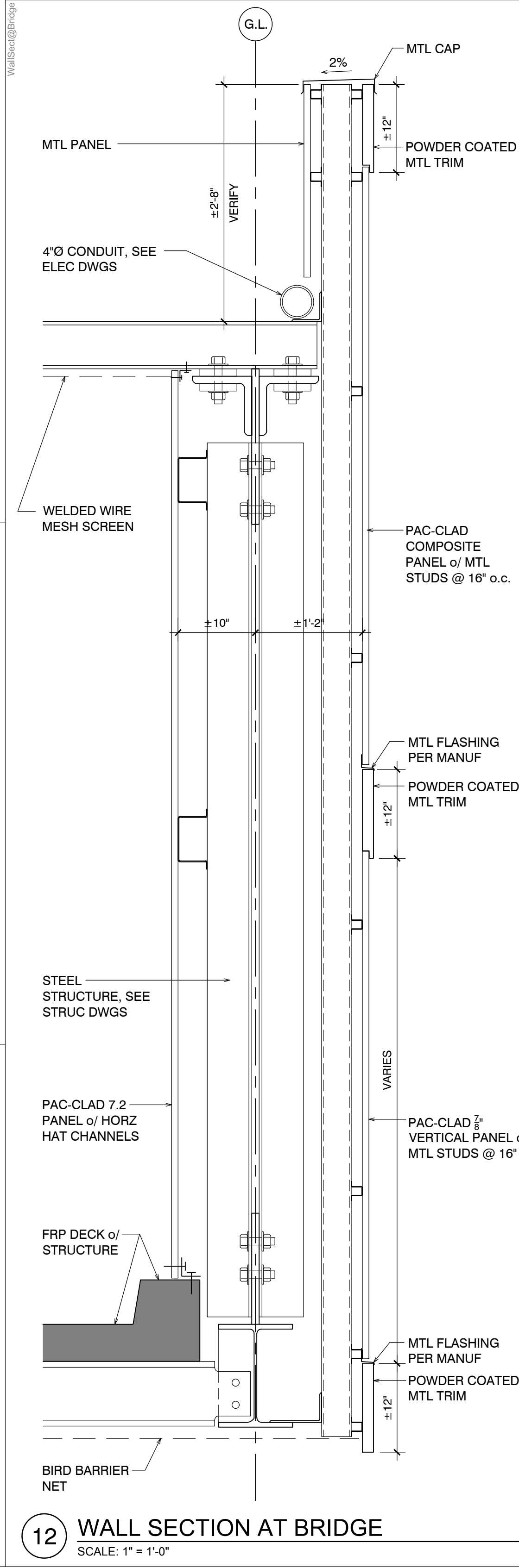
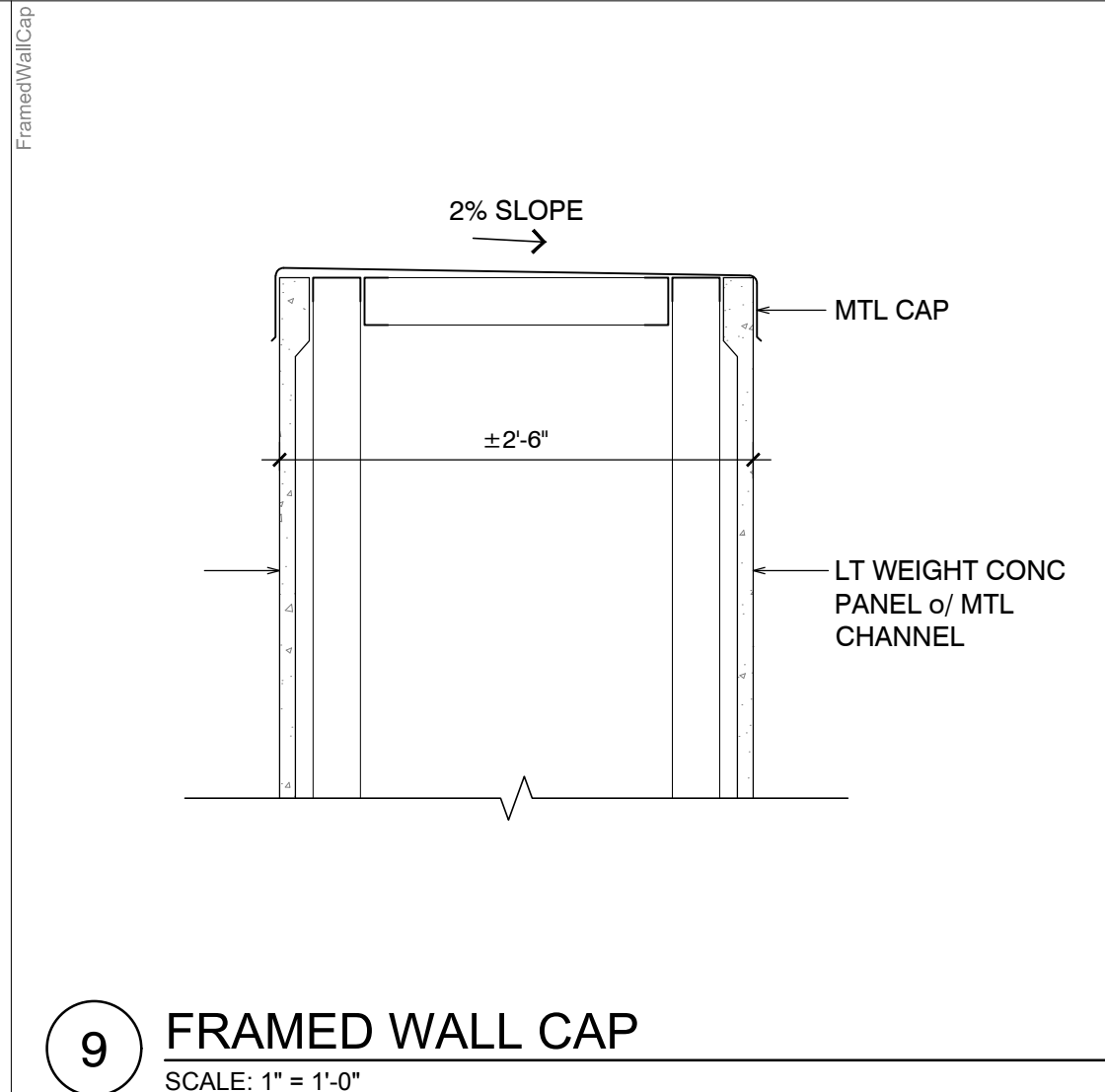
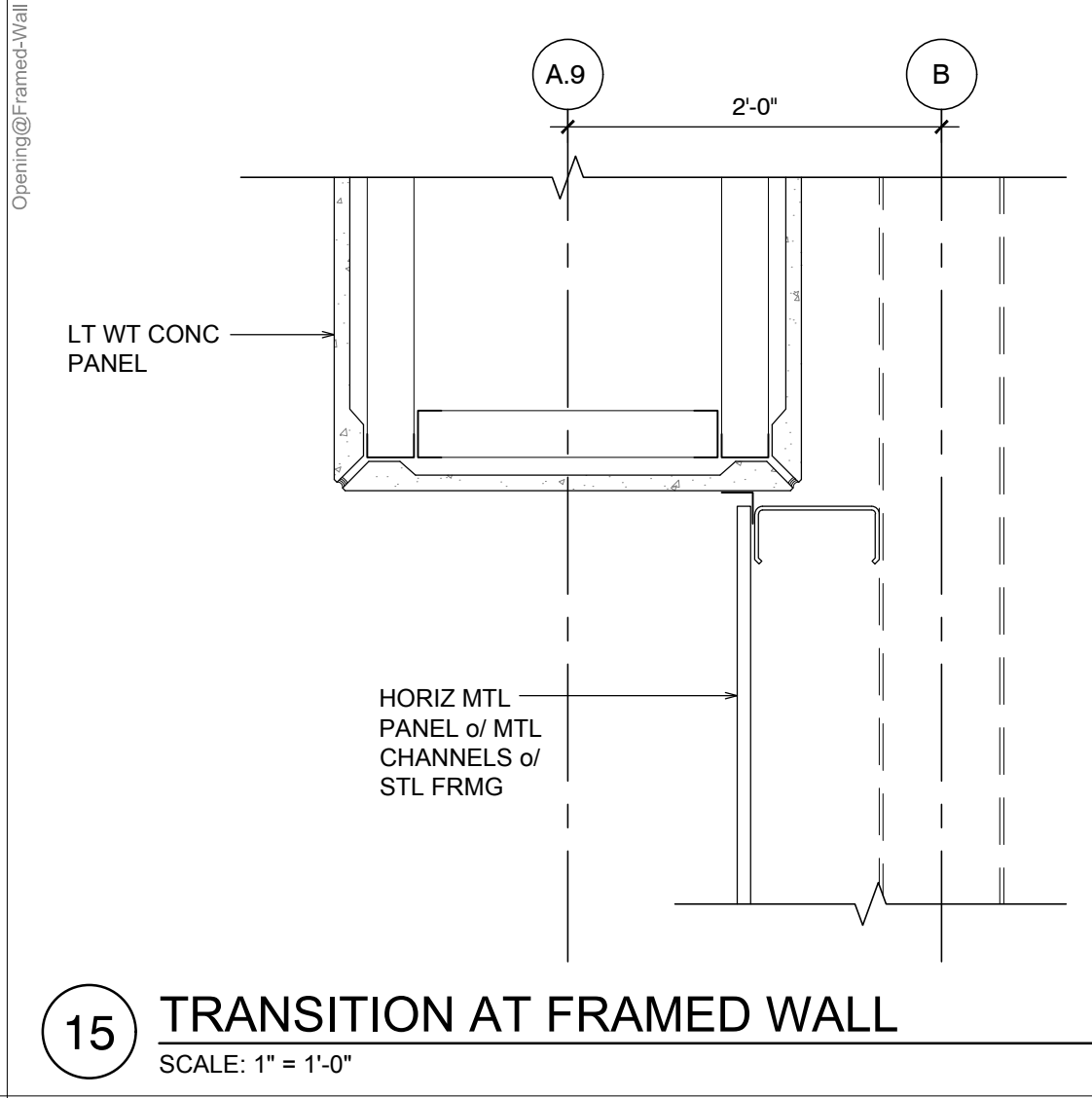
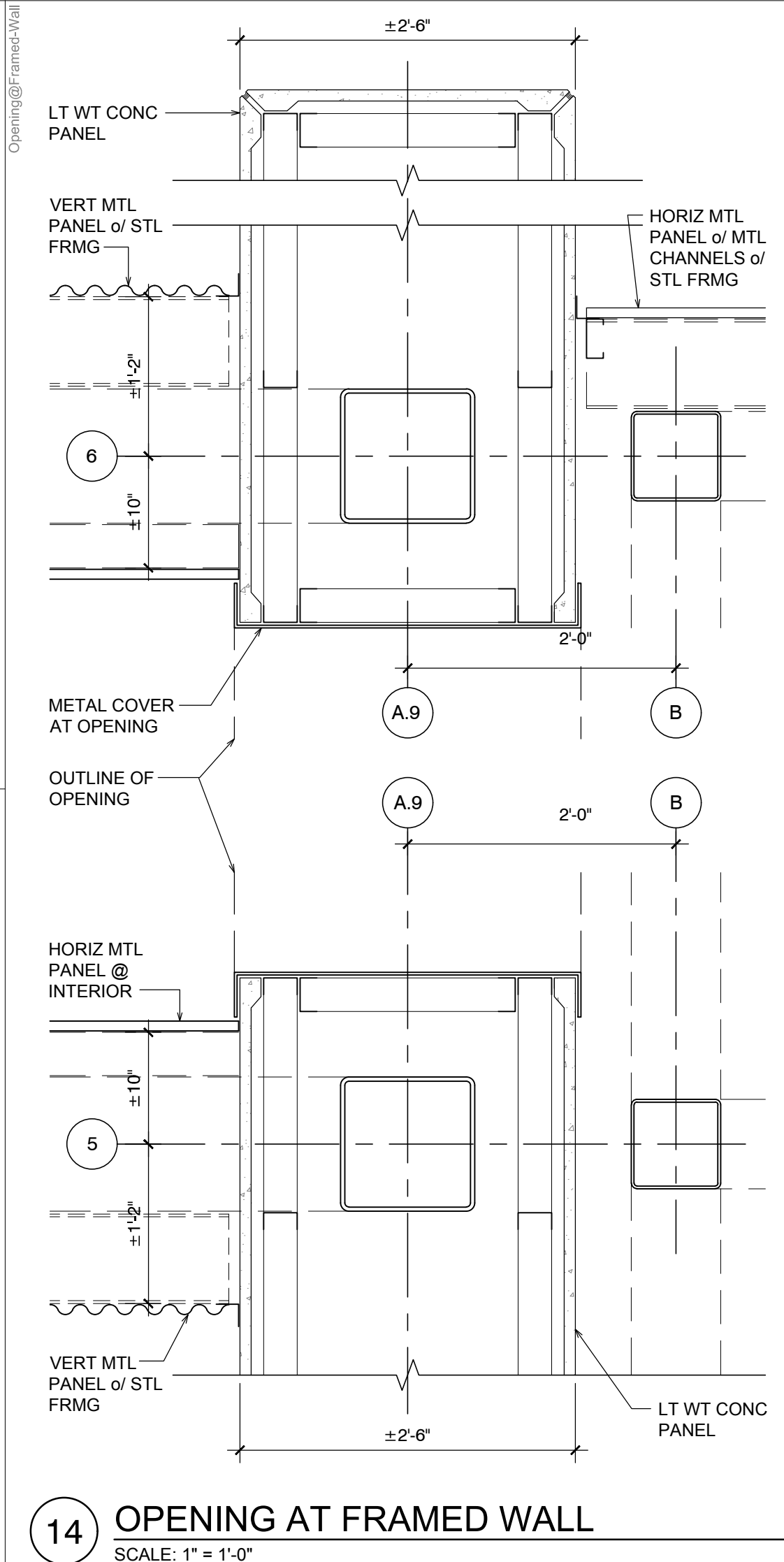
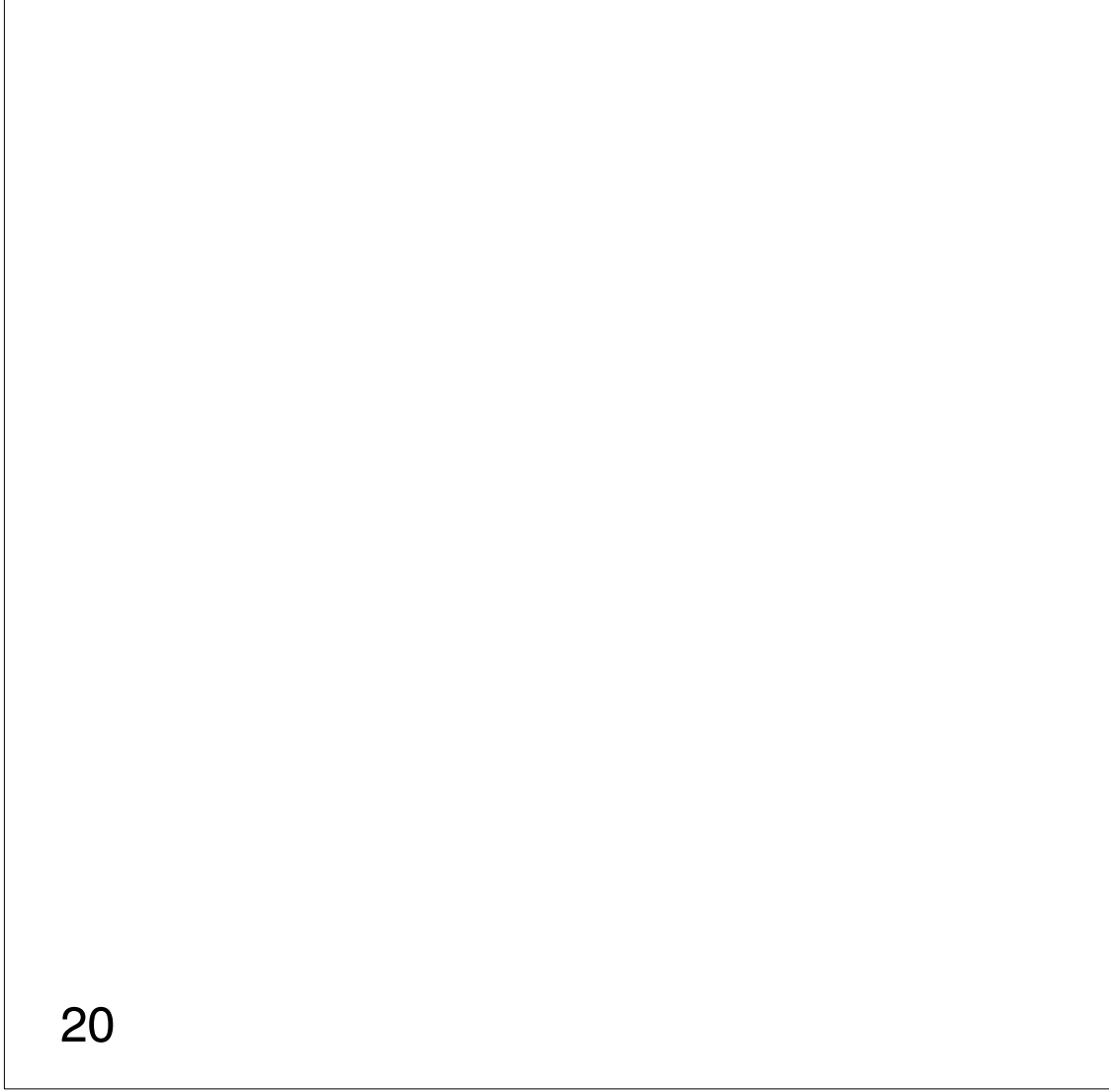
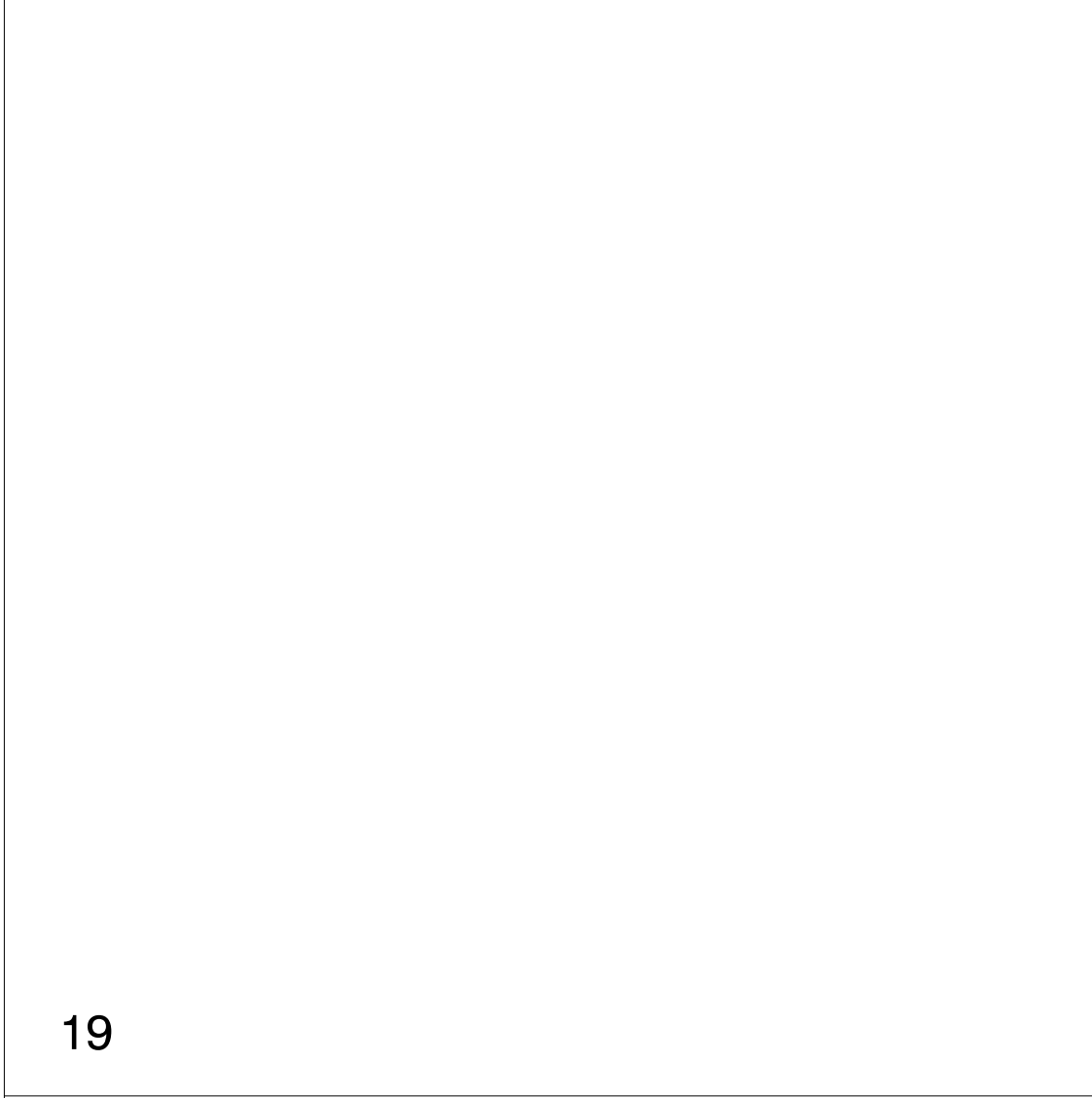
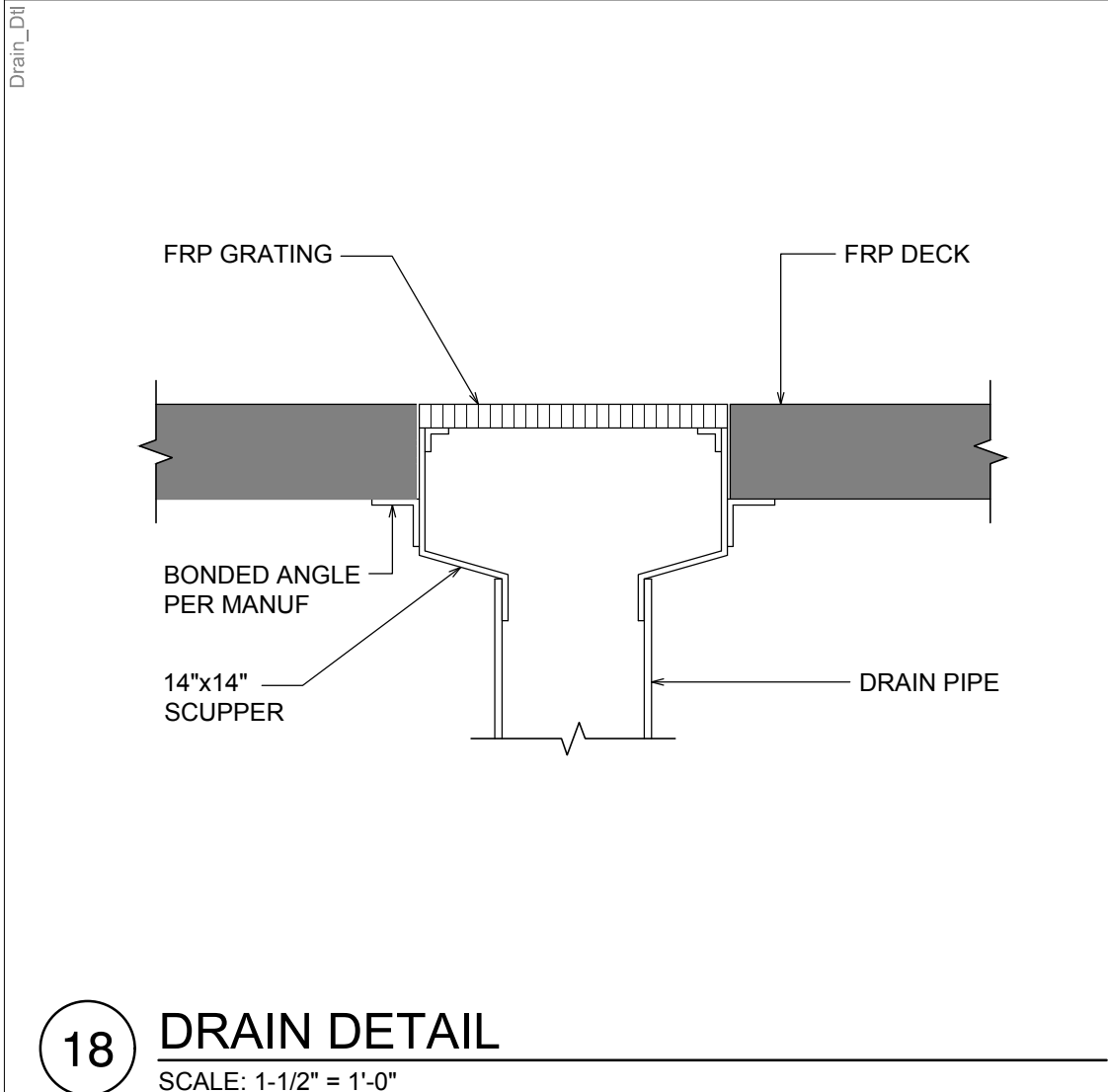
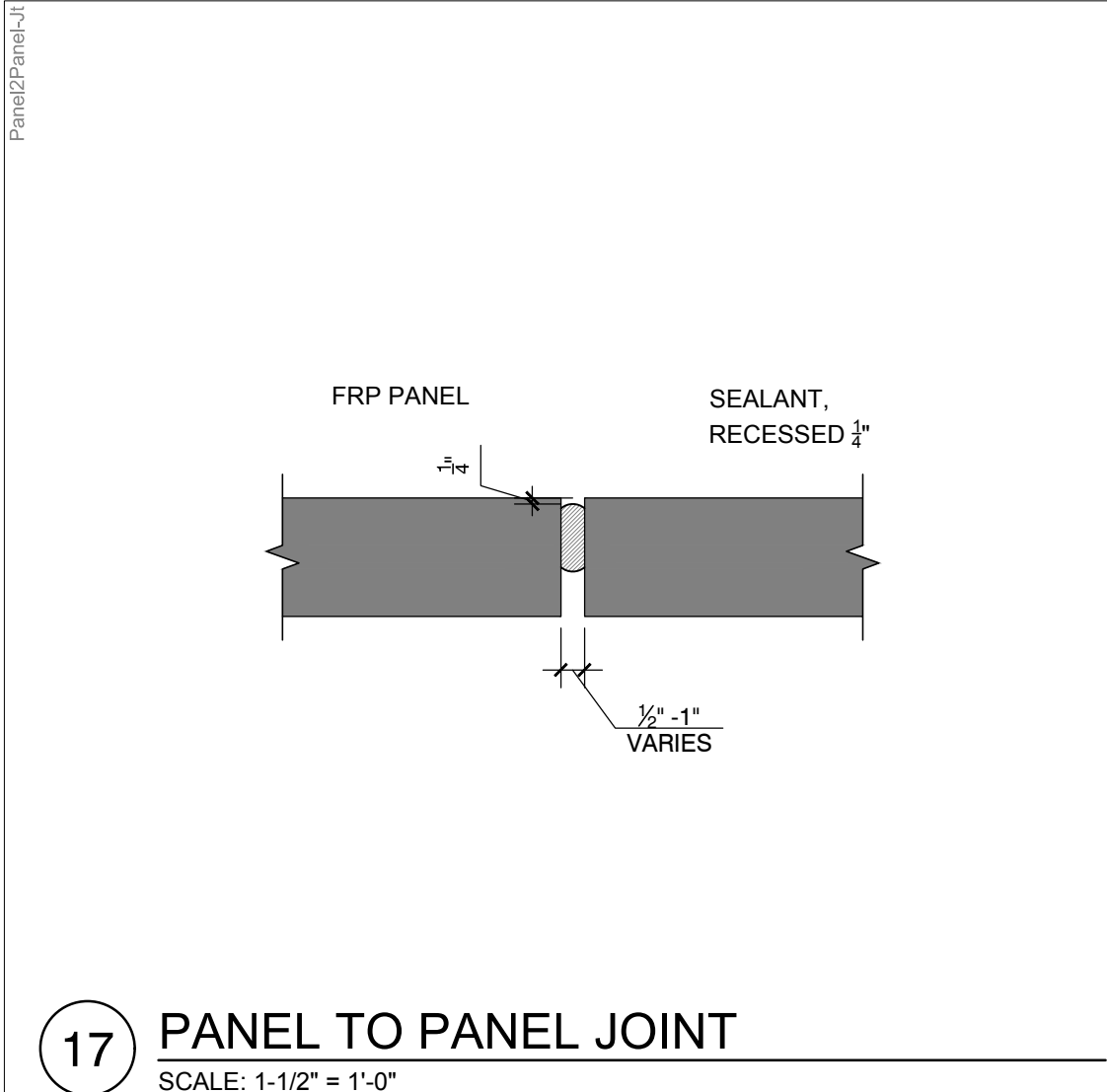


Sheet Title:
STAIR / RAMP
DETAILS

TYPICAL DETAIL ASSEMBLY OF MATERIALS SHOWN W/ SPACE FOR LAYERS. ASSEMBLY IS TIGHT.

Sheet Number:

A7.3



Project / Owner:

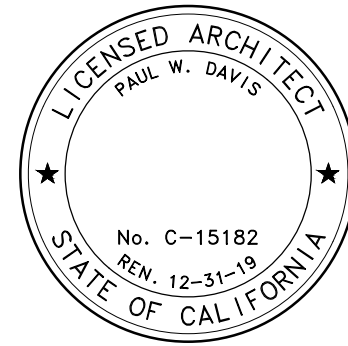
LAGUNA SECA START-FINISH BRIDGE

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA 93908

APN: 173-011-023-000

THE PAUL DAVIS PARTNERSHIP ARCHITECTS & PLANNERS

The Paul Davis Partnership, LLP
288 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com



Drawn By: ML, VQ
Drawing Date: 04/06/18
Project Number: 1725

Revisions:

The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.

Sheet Title: DETAILS

Sheet Number:

A8.1

TYPICAL DETAIL ASSEMBLY OF MATERIALS SHOWN W/ SPACE FOR LAYERS. ASSEMBLY IS TIGHT.

1. CONSTRUCTION CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL(S) HARMLESS FROM ANY AND ALL LIABILITY, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL(S).

- A. ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, REGULATIONS, ORDINANCES, AND RULES, INCLUDING WITHOUT LIMITATION:
 - CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATIVE CODE (CAL-OSHA)
 - CALIFORNIA CODE 4216 – PROTECTION OF UNDERGROUND INFRASTRUCTURE
- B. THE 2016 CALIFORNIA BUILDING STANDARDS CODE (CBC TITLE 24), WITH AMENDMENTS ADOPTED BY THE COUNTY OF MONTEREY
- C. CALIFORNIA EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
- D. THE PROJECT PLANS AND SPECIFICATIONS
- E. THE 2010 EDITION OF "STANDARD SPECIFICATIONS," STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION (CALTRANS), AS AMENDED BY THE MOST CURRENT "REVISED STANDARD SPECIFICATIONS". THE "STANDARD SPECIFICATIONS" AND "REVISED STANDARD SPECIFICATIONS" CAN BE DOWNLOADED FOR FREE FROM
http://www.dot.ca.gov/hq/esc/oe/construction_standards.html
- F. THE 2010 EDITION OF "STANDARD PLANS," STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION (CALTRANS), AS AMENDED BY THE MOST CURRENT "REVISED STANDARD PLANS". THE "STANDARD PLANS" AND "REVISED STANDARD PLANS" CAN BE DOWNLOADED FOR FREE FROM
http://www.dot.ca.gov/hq/esc/oe/construction_standards.html
3. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL CURRENTLY APPLICABLE SAFETY LAWS OF ALL APPLICABLE JURISDICTIONS. FOR INFORMATION REGARDING THIS PROVISION, THE CONTRACTOR IS DIRECTED TO CONTACT STATE OF CALIFORNIA, DIVISION OF OCCUPATIONAL SAFETY AND HEALTH, SALINAS, CALIFORNIA AT PHONE (831) 443-3050.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BARRICADES, SAFETY DEVICES AND CONTROL OF TRAFFIC WITHIN THE CONSTRUCTION AREA.
5. INTENTION OF GRADING: CONSTRUCTION A NEW START/FINISH PEDESTRIAN BRIDGE.
6. PROPERTY IS NOT SUBJECT TO INUNDATION OR 100 YEAR FLOOD LEVELS.
7. ESTIMATED START: TBD , ESTIMATED COMPLETION: TBD.
8. NO TREES ARE PROPOSED FOR REMOVAL.
9. IF, DURING THE COURSE OF CONSTRUCTION, CULTURAL, ARCHAEOLOGICAL, HISTORICAL OR PALEONTOLOGICAL RESOURCES ARE UNCOVERED AT THE SITE (SURFACE OR SUBSURFACE RESOURCES) WORK SHALL BE HALTED IMMEDIATELY WITHIN 50 METERS (165 FEET) OF THE FIND UNTIL A QUALIFIED PROFESSIONAL ARCHEOLOGIST CAN EVALUATE IT. MONTEREY COUNTY BLM – PLANNING DIVISION QUALIFIED ARCHEOLOGIST (IE AN ARCHEOLOGIST REGISTERED WITH THE REGISTER OF PROFESSIONAL ARCHEOLOGISTS) SHALL BE IMMEDIATELY CONTACTED BY THE RESPONSIBLE INDIVIDUAL PRESENT ON-SITE. WHEN CONTACTED, THE PROJECT PLANNER AND THE ARCHEOLOGIST SHALL IMMEDIATELY VISIT THE SITE TO DETERMINE THE EXTENT OF THE RESOURCES AND TO DEVELOP PROPER MITIGATION MEASURES REQUIRED FOR THE DISCOVERY.

C = 600 CY
F = 800 CY
IMPORT = 200 CY
ESTIMATED AREA OF DISTURBANCE = 0.5 AC

1. THE QUANTITIES PRESENTED ABOVE ARE ESTIMATES ONLY, BASED ON THE DIFFERENCE BETWEEN EXISTING GRADE AND SUBGRADE ELEVATIONS AND FINISHED GRADE AND SUBGRADE ELEVATIONS, AS SHOWN ON THE PLANS, AND ARE NOT ADJUSTED FOR CHANGES IN VOLUME DUE TO CHANGES IN SOIL DENSITY.
2. OVER-EXCAVATION IS NOT INCLUDED IN THE ABOVE ESTIMATE. CLEARING AND STRIPPING AND REMOVAL OF AC AND PCC PAVEMENTS ARE NOT INCLUDED IN THE ABOVE ESTIMATES. SITE SPOILS SUCH AS FROM UTILITY TRENCHING, FOUNDATIONS, ETC. ARE NOT INCLUDED IN ABOVE ESTIMATES.
3. THESE QUANTITIES SHALL BE USED FOR BONDING AND PERMIT PURPOSES ONLY. CONTRACTOR SHALL MAKE HIS/HER OWN SITE VISIT AND QUANTITY TAKE-OFFS AND SHALL BID ACCORDINGLY.
4. EARTHWORK VALUES SHOULD BE REEVALUATED DURING THE EARLY STAGES OF SITE GRADING. CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING FINAL EARTHWORK QUANTITIES TO HIS/HER SATISFACTION PRIOR TO START OF GRADING OPERATIONS.

1. TOPOGRAPHY SHOWN IS A COMBINATION OF A GROUND TOPOGRAPHIC SURVEY PERFORMED BY WHITSON ENGINEERS ON JUNE 2, 2015 AND AERIAL TOPOGRAPHY DATA. WHITSON ENGINEERS MAKES NO CLAIM AS TO THE ACCURACY OF THE AERIAL DATA.

2. BENCHMARK: FOUND MAG IN TOP OF AC DIKE
ELEVATION = 810.18 (ASSUMED DATUM)
3. ALL "MATCH" OR "JOIN" CALLOUTS ON THE PLANS SHALL BE FIELD VERIFIED FOR EXACT LOCATION AND ELEVATION PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER IN THE CASE OF ANY FIELD DISCREPANCY.
4. THE CONSTRUCTION CONTRACTOR SHALL MAINTAIN A CURRENT, COMPLETE, AND ACCURATE RECORD OF ALL DEVIATIONS FROM THE WORK PROPOSED IN THESE PLANS AND SPECIFICATIONS, AND A RECORD DRAWING SET SHALL BE PREPARED AND PROVIDED TO THE ENGINEER AT THE COMPLETION OF WORK. CHANGES SHALL NOT BE MADE WITHOUT THE PRIOR WRITTEN APPROVAL OF THE DESIGN ENGINEER.
5. THE EXISTENCE, LOCATION AND ELEVATION OF ANY UNDERGROUND FACILITIES ARE SHOWN ON THESE PLANS IN A GENERAL WAY ONLY. NOT ALL UTILITIES MAY BE SHOWN. IT IS MANDATORY THAT THE CONTRACTOR EXPOSE AND VERIFY THE TOP AND BOTTOM OF ALL UTILITIES PRIOR TO ANY WORK ON SYSTEMS WHICH MAY BE AFFECTED BY THE EXISTING UTILITY'S LOCATION. IT IS THE RESPONSIBILITY AND DUTY OF THE CONTRACTOR TO MAKE THE FINAL DETERMINATION AS TO THE EXISTENCE, LOCATION AND ELEVATION OF ALL UTILITIES AND TO BRING ANY DISCREPANCY TO THE ATTENTION OF THE ARCHITECT.
6. BOUNDARY INFORMATION SHOWN IS FROM RECORD DATA. A BOUNDARY SURVEY WAS NOT PERFORMED AS A PART OF THIS WORK. THERE MAY BE EASEMENTS OR OTHER RIGHTS, RECORDED OR UNRECORDED, AFFECTING THE SUBJECT PROPERTY WHICH ARE NOT SHOWN HEREON.

1. SITE GRADING AND EARTHWORK SHALL BE PERFORMED IN CONFORMANCE WITH THE PROJECT GEOTECHNICAL REPORT ENTITLED:

GEOTECHNICAL REPORT FOR THE PROPOSED NEW START-FINISH BRIDGE MAZDA RACEWAY
LAGUNA SECA HIGHWAY 68 MONTEREY, CALIFORNIA
BY GRICE ENGINEERING, INC., DATED JUNE 2015, PROJECT NO. 6453-15.05

- ONSITE GRADING AND EARTHWORK, SITE PREPARATION, EXCAVATION, TRENCHING AND COMPACTION SHALL BE OBSERVED AND TESTED BY THE GEOTECHNICAL ENGINEER DESIGNATED BY THE OWNER. ALL GRADING AND EARTHWORK SHALL BE DONE TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
3. SPECIAL INSPECTIONS BY A SPECIAL INSPECTOR, ARE REQUIRED DURING FILL PLACEMENT AND THAT PROPER MATERIALS AND PROCEDURES ARE USED IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT.
4. SHOULD THE RESULTS OF ANY COMPACTION TEST FAIL TO MEET THE MINIMUM REQUIRED DENSITY AS SPECIFIED ON THESE PLANS OR IN THE GEOTECHNICAL REPORT, THE DEFICIENCY SHALL BE CORRECTED TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER AT THE CONTRACTOR'S EXPENSE. THE EXPENSE OF RETESTING SUCH AREAS SHALL ALSO BE BORNE BY THE CONTRACTOR, AT NO COST TO THE OWNER.
5. NOTIFY THE GEOTECHNICAL ENGINEER AT LEAST FOUR (4) WORKING DAYS PRIOR TO ANY GRADING OR FOUNDATION EXCAVATION.
6. ALL SOILS UTILIZED FOR FILL PURPOSES SHALL BE APPROVED BY THE SOILS ENGINEER BEFORE COMMENCEMENT OF GRADING OPERATIONS. IMPORTED SOILS SHALL BE APPROVED BY THE SOILS ENGINEER BEFORE BEING BROUGHT TO THE SITE.
7. EXCAVATION FOR ANY PURPOSE SHALL NOT REMOVE LATERAL SUPPORT FROM ANY FOUNDATION WITHOUT FIRST UNDERPINNING OR PROTECTING THE FOUNDATION AGAINST SETTLEMENT OR LATERAL TRANSLATION. THE EXCAVATION OUTSIDE THE FOUNDATION SHALL BE BACKFILLED WITH SOIL THAT IS FREE OF ORGANIC MATERIAL, CONSTRUCTION DEBRIS, COBBLES AND BOULDERS OR WITH A CONTROLLED LOW-STRENGTH MATERIAL (CLSM). THE BACKFILL SHALL BE PLACED IN LIFTS AND COMPACTED IN A MANNER THAT DOES NOT DAMAGE THE FOUNDATION OR THE WATERPROOFING OR DAMPROOFING MATERIAL. EXCEPTION: CLSM NEED NOT BE COMPACTED (REF. 2016 CBC 1804.1-1804.2)
8. IMPERVIOUS SURFACES ADJACENT TO STRUCTURES SHALL SLOPE A MINIMUM OF 2% AWAY FROM THE STRUCTURE FOR A MINIMUM DISTANCE OF 10 FEET, UNLESS OTHERWISE SHOWN. LANDSCAPE AREAS ADJACENT TO STRUCTURES SHALL SLOPE A MINIMUM OF 5% AWAY FROM THE STRUCTURE FOR A MINIMUM DISTANCE OF 10 FEET, UNLESS OTHERWISE SHOWN. (REF. 2016 CBC 1804.3)
9. RELATIVE COMPACTION SHALL BE EXPRESSED AS A PERCENTAGE OF THE MAXIMUM DRY DENSITY OF THE MATERIAL AS DETERMINED BY ASTM TEST D-1557. IN-PLACE DENSITY TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM TESTS D-1556 AND D-6938.
10. GROUND SURFACE SHALL BE PREPARED TO RECEIVE FILL BY REMOVING STRUCTURES, OBSTRUCTIONS, TREES SHOWN TO BE REMOVED, VEGETATION, ORGANIC-LADEN TOPSOIL, LARGE ROOTS, DEBRIS, AND OTHER DELETERIOUS MATERIALS. BURIED SUBSURFACE OBJECTS ENCOUNTERED, OR VOIDS CREATED DURING SITE PREPARATION SHALL BE CALLED TO THE ATTENTION OF THE GEOTECHNICAL ENGINEER.
11. SURPLUS EXCAVATED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF THE SITE IN A LEGAL MANNER.
12. SUBGRADE PREPARATION AND ENGINEERED FILL THAT SUPPORTS FOOTINGS, SLABS, PAVEMENTS, AND FLATWORK SHALL EXTEND AT LEAST 5 FEET BEYOND THE LIMITS OF PROPOSED IMPROVEMENTS.
13. FOOTINGS LOCATED ADJACENT TO OTHER FOOTINGS OR RETAINING WALLS SHALL HAVE THEIR BEARING SURFACES FOUNDED BELOW A 2:1 (H:V) LINE PROJECTED UPWARD FROM THE BOTTOM EDGE OF THE ADJACENT FOOTING, WALL, OR UTILITY TRENCH.
14. FOLLOWING CLEARING AND STRIPPING, EXPOSED SUBGRADES IN AREAS TO RECEIVE ENGINEERED FILL, STRUCTURES, PAVEMENTS, CONCRETE SLABS, OR OTHER IMPROVEMENTS SHALL BE SCARIFIED TO A DEPTH OF 6 INCHES, MOISTURE CONDITIONED, AND UNIFORMLY COMPACTED TO AT LEAST 90% RELATIVE COMPACTION.
15. THE GEOTECHNICAL ENGINEER SHALL INSPECT ALL SURFACES TO RECEIVE FILL PRIOR TO THE PLACEMENT OF ANY FILL.
16. ENGINEERED FILL SHALL BE PLACED IN LIFTS NOT EXCEEDING 8 INCHES IN LOOSE THICKNESS, MOISTURE CONDITIONED, AND COMPACTED TO A MINIMUM OF 90% RELATIVE COMPACTION.
17. CUT/FILL SLOPES SHALL BE NO STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2H:1V) UNLESS OTHERWISE APPROVED AT THE TIME OF GRADING BY THE GEOTECHNICAL ENGINEER.
18. WHERE EXISTING GRADE IS AT A SLOPE OF 5H:1V (20%) OR STEEPER AND THE DEPTH OF THE FILL EXCEEDS 5 FEET, BENCHING SHALL BE PROVIDED. A TOE KEY SHALL BE CUT A MINIMUM DEPTH OF 2 FEET INTO UNDISTURBED SOILS TO THE INSIDE OF THE FILL'S TOE. THIS KEY SHALL BE A MINIMUM OF 10 FEET WIDE AND SLOPE AT NO LESS THAN 5% INTO THE SLOPE. AS THE FILL ADVANCES UP-SLOPE, BENCHES AT LEAST 3 FEET WIDE, OR TWICE THE WIDTH OF THE COMPACTION EQUIPMENT, WHICHEVER IS WIDER, SHALL BE SCARIFIED INTO THE FILL/UNDISTURBED SOIL INTERFACE.
19. ENGINEERED FILL IN BUILDING AREAS, STRUCTURAL BACKFILL, AND THE UPPER 6" BELOW FLATWORK AND PAVEMENT SHALL BE COMPACTED TO A MINIMUM OF 95% OF ITS MAXIMUM DRY DENSITY.
20. ALL RE-COMPACTED AND ENGINEERED FILL SOILS SHALL BE COMPACTED WITHIN 2 PERCENT OF THE LABORATORY OPTIMUM MOISTURE CONTENT FOR THE SOIL.
21. ON-SITE NON-ORGANIC, NON-CLAY SOIL IS GENERALLY ACCEPTABLE FOR USE AS ENGINEERED FILL. NATIVE SOIL USED AS ENGINEERED FILL SHALL MEET THE FOLLOWING REQUIREMENTS:
 - SOIL SHALL BE FREE OF ORGANICS, DEBRIS, AND OTHER DELETERIOUS MATERIALS.
 - ROCK OVER 6 INCHES IN ITS MAXIMUM DIMENSION MAY NOT BE USED IN AN ENGINEERED FILL.
21. IMPORTED SOIL USED AS GENERAL ENGINEERED FILL SHALL MEET THE FOLLOWING REQUIREMENTS:
 - SOIL SHALL BE FREE OF ORGANIC AND DELETERIOUS MATERIALS, OR RECYCLED MATERIALS SUCH AS ASPHALTIC CONCRETE, CONCRETE, BRICK, ETC.
 - SOIL SHALL NOT CONTAIN ANY ROCKS OR CLODS OVER 4 INCHES IN MAXIMUM DIMENSION, AND SHALL NOT CONTAIN OVER 15 PERCENT BY WEIGHT ROCKS LARGER THAN 2 INCHES
 - SOIL SHALL BE GRANULAR, HAVING A PLASTICITY INDEX OF LESS THAN 15, AND NOT MORE THAN 20 PERCENT BY WEIGHT PASSING THE #200 SIEVE
 - SOIL SHALL HAVE SUFFICIENT BINDER TO ALLOW EXCAVATIONS TO STAND WITHOUT CAVING
 - THE PORTION FINER THAN THE NO. 200 SIEVE SHALL NOT CONTAIN ANY EXPANSIVE CLAYS.
22. IN THE EVENT THAT ANY UNUSUAL CONDITIONS ARE ENCOUNTERED DURING GRADING OPERATIONS WHICH ARE NOT COVERED BY THE SOIL INVESTIGATION OR SPECIFICATIONS, THE SOILS ENGINEER SHALL BE IMMEDIATELY NOTIFIED SUCH THAT ADDITIONAL RECOMMENDATIONS MAY BE MADE.
23. A LETTER SHALL BE SUBMITTED FROM A LICENSED SURVEYOR CERTIFYING THAT PAD ELEVATIONS ARE WITHIN 0.1 FEET OF ELEVATIONS STATED ON APPROVED PLANS, PRIOR TO DIGGING ANY FOOTINGS OR SCHEDULING ANY INSPECTIONS.
24. A "FINAL SOILS LETTER" FROM THE GEOTECHNICAL ENGINEER STATING THAT ALL EARTHWORK COMPLETED WAS IN ACCORDANCE WITH THE RECOMMENDATIONS STATED IN THE GEOTECHNICAL REPORT SHALL BE SUBMITTED PRIOR TO FINAL INSPECTION.
25. EXPORT SOIL SHALL BE TRANSPORTED TO A LEGAL DUMP OR TO A PERMITTED SITE APPROVED BY THE COUNTY. CONTRACTOR SHALL NOTIFY GRADING OFFICIAL OF PROPOSED HAUL ROUTE.

SYMBOL	PLUS OR MINUS; APPROX	100
@	AT	---
AB	AGGREGATE BASE	---
AC	ASPHALT CONCRETE	---
AD	AREA DRAIN	---
APPROX	APPROXIMATE	---
ASB	AGGREGATE SUBBASE	---
BC	BEGIN CURVE	---
BVC	BEGIN VERTICAL CURVE	---
BVCE	BVC ELEVATION	△100
BVCS	BVC STATION	---
BS	BOTTOM OF STAIR	⊕ BM
BW	BACK OF WALK	⊙ F3P
C&G	CURB AND GUTTER	LS0000
CATV	CABLE TV	⊙ CUM
CGSW	CURB, GUTTER AND SIDEWALK	⊙ BM#301
CL	CENTERLINE	---
CLS	CLASS	---
CLR	CLEAR	⊕ BH-1
CMP	CORRUGATED METAL PIPE	+ 928.30
CO	CLEANOUT	---
CONC	CONCRETE	● 12" OAK
CONST	CONSTRUCT	---
CONT	CONTINUOUS	---
DEMO	DEMOLISH AND DISPOSE OF	---
D.G.	DECOMPOSED GRANITE	---
DI	DRAIN INLET	---
DIA	DIAMETER	---
DIS	DOWNSPOUT	---
(E)	EXISTING	---
EC	END CURVE	---
EG	EXISTING GRADE	100.00
EJ	EXPANSION JOINT	---
ELEC	ELECTRIC	---
ELEV	ELEVATION	---
EQ.	EQUAL	---
ETW	EDGE OF TRAVELED WAY	---
EVC	END VERTICAL CURVE	OH
EVCE	EVC ELEVATION	---
EVCS	EVC STATION	E
EW	EACH WAY	---
EX	EXISTING	---
FC	FACE OF CURB	UP
FF	FINISHED FLOOR	---
FG	FINISHED GRADE	---
FL	FLOWLINE	---
FR	FIRE RISER	---
FS	FINISHED SURFACE	---
GB	GRADE BREAK	---
GBE	GB ELEVATION	---
GBS	GB STATION	---
GM	GAS METER	---
GRT	GRATE	---
GV	GAS VALVE/VAULT	---
HP	HIGH POINT	---
HORIZ.	HORIZONTAL	---
INV	INVERT	---
JP	JOINT UTILITY POLE	---
LDG	LANDING	---
LF	LINEAR FEET	---
LFF	LOWER FINISH FLOOR	---
LP	LOW POINT	---
LT	LEFT	---
MATCH	MATCH EXISTING GRADE	---
MAX	MAXIMUM	---
MH	MANHOLE	---
MIN	MINIMUM	---
N.I.C.	NOT IN CONTRACT (BY OTHERS)	---
O.W.	ON CENTER	---
OG	ORIGINAL GROUND	---
P.A.	PLANTER AREA	---
PB	PULL BOX	---
PC	POINT OF CURVATURE	---
P.O.C.	POINT OF CONNECTION	---
PP	POWER POLE	---
PRC	POINT OF REVERSE CURVATURE	---
PVC	POLYVINYL CHLORIDE	---
PVI	POINT OF VERTICAL INTERSECTION	---
PTDF	PRESSURE TREATED DOUG-FIR	---
R	RADIUS	---
R.C.	REINFORCED COMPACTION	---
RCP	REINFORCED CONC PIPE	---
RT	RIGHT	---
RW	RECYCLED WATER	---
RWL	RAIN WATER LEADER	---
SC	SAWCUT	---
SD	STORM DRAIN	---
SL	STREET LIGHT	---
SS	SANITARY SEWER	---
STA	STATION	---
SW	SIDEWALK	---
TBM	TEMPORARY BENCH MARK	---
TC	TOP OF CURB	---
TFC	TOP OF FLUSH CURB	---
TOF	TOP OF FOOTING	---
TG	TOP OF GRATE	---
TOP	TOP OF PIPE	---
TS	TOP OF STAIR / TRAFFIC SIGNAL	---
TW	TOP OF WALL	---
TYP	TYPICAL	---
UFF	UPPER FINISH FLOOR	---
UG	UNDERGROUND	---
U.O.N.	UNLESS OTHERWISE NOTED	---
UP	UTILITY POLE	---
UNKN	UNKNOWN	---
VAR	VARIES	---
VERT.	VERTICAL	---
W	WATER	---
WM	WATER METER	---
WV	WATER VALVE	---
XFMR	TRANSFORMER	---

	GROUND CONTOUR
	SUBJECT PROPERTY LINE
	ADJACENT PROPERTY LINE
	EASEMENT LINE
	CENTER LINE
	CONTROL POINT
	BENCHMARK
	FOUND 3/4" IRON PIPE, TAGGED AS NOTED
	FOUND CONCRETE UNDERGROUND MONUMENT, MARKED AS NOTED
	BORE HOLE / BORING LOCATION
	SPOT GRADE
	TREE
	STUMP OR SNAG (DEAD)
	TREE DRIP LINE
	DRAINAGE PATH
	CREEK/RIVER FLOW
	WATER SURFACE ELEVATION
	FLOW LINE
	AREA OF 30% OR GREATER SLOPE
	SIGN
	OVERHEAD UTILITY LINE(S)
	UNDERGROUND ELECTRIC LINE
	UTILITY POLE SHOWING ARMS AND GUY WIRE
	LIGHT, ELECTROLIER
	TRAFFIC SIGNAL
	GAS LINE
	GAS VALVE, IRRIGATION CONTROL VALVE
	STORM DRAIN LINE
	STORM DRAIN MANHOLE
	STORM DRAIN INLET
	DOWSPOUT
	SANITARY SEWER LINE (GRAVITY)
	SANITARY SEWER FORCE MAIN
	SANITARY SEWER MANHOLE
	CLEANOUT
	UNDERGROUND TELEPHONE LINE
	WATER LINE
	WELL
	WATER VALVE
	POST INDICATOR VALVE
	FIRE DEPARTMENT CONNECTION
	FIRE HYDRANT
	HOSE BIB
	BACKFLOW PREVENTION DEVICE
	UTILITY VAULT

LAGUNA SECA
1021 MONTEREY SALINAS HWY
SALINAS, CA 93908

APN: 173-011-023

WHITSON ENGINEERS
6 HARRIS COURT
MONTEREY, CA 93940

TEL. (831) 649-5225

THE PAUL DAVIS PARTNERSHIP
286 EL DORADO STREEY
MONTEREY, CA 93940

TEL. (831) 373-2784

PACIFIC ENGINEERING GROUP, INC.
30 RYAN RANCH, STE 200
MONTEREY, CA 93940

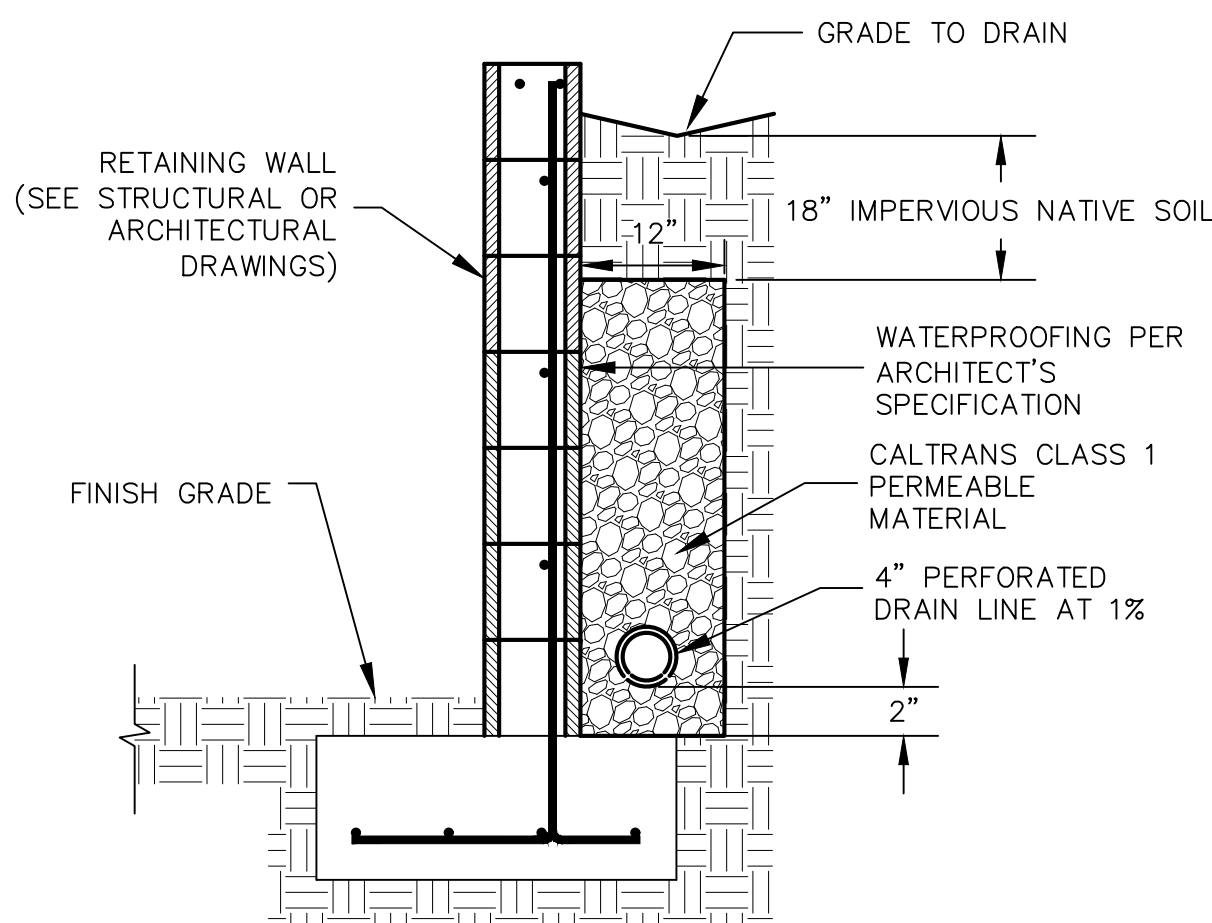
TEL: (831) 333-0644

CO.1	CIVIL COVER SHEET
CO.2	CIVIL SPECIFICATIONS
CO.3	CIVIL DETAILS
C1.1	KEY MAP CIVIL SITE GRADING AND DRAINAGE PLAN
C1.2	CIVIL GRADING AND DRAINAGE PLAN – WEST
C1.3	CIVIL GRADING AND DRAINAGE PLAN – EAST
C1.4	CIVIL SECTIONS
C1.5	CIVIL SECTIONS
C1.6	CIVIL SECTIONS
C1.7	CIVIL SECTIONS
C2.1	CIVIL SITE UTILITY PLAN
C3.1	TEMPORARY WATER POLLUTION CONTROL PLAN (EROSION AND SEDIMENT CONTROL PLAN)
C3.2	TEMPORARY WATER POLLUTION CONTROL NOTES AND DETAILS

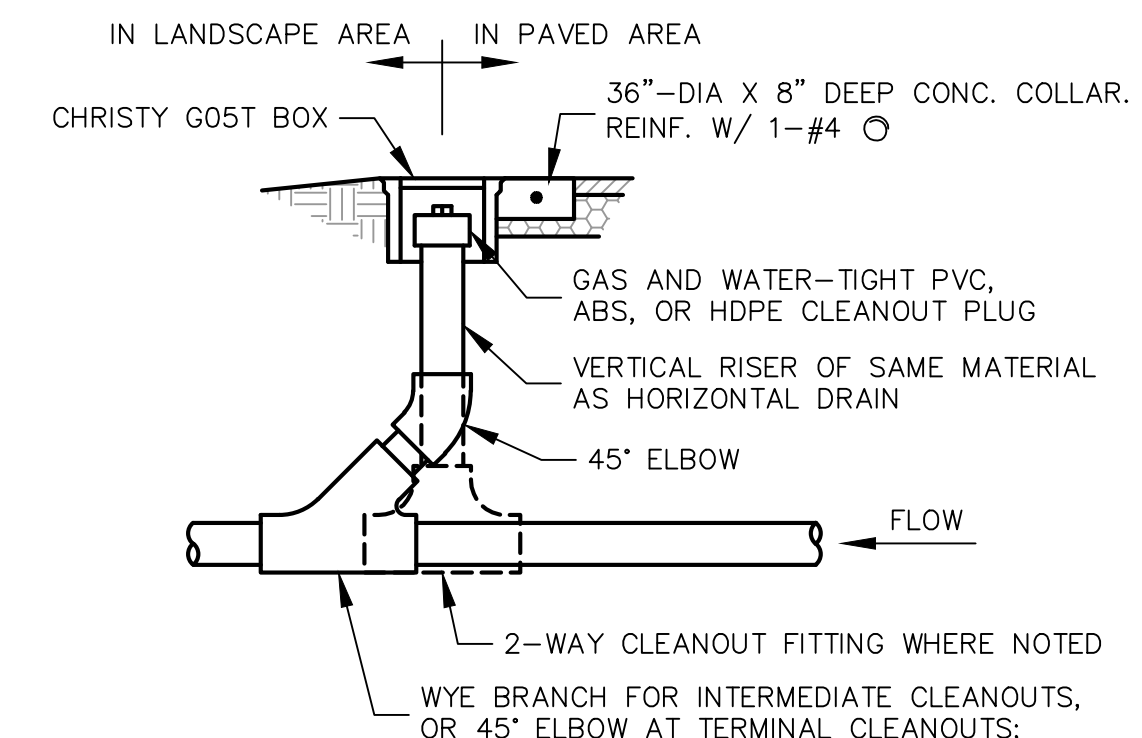
THE FOLLOWING ITEMS SHALL BE INSPECTED. "SPECIAL INSPECTION" SHALL CONFORM TO 2016 CBC 17047. SPECIAL INSPECTION AGENCIES AND/OR INDIVIDUALS SHALL BE RETAINED BY THE OWNER AND APPROVED BY THE BUILDING OFFICIAL PRIOR TO ANY WORK. FOR MATERIAL TESTING REQUIREMENTS, SEE SPECIFICATIONS AND/OR GENERAL NOTES. TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE BUILDING OFFICIAL AND ENGINEER.

ITEM	REQ.	REMARKS	INSPECTOR NAME	START DATE	END DATE
FOUNDATION EXCAVATIONS	YES	BY SOIL ENGINEER / PERIODIC			
SUBGRADE / FINISH GRADE PREPARATION	YES	BY SOIL ENGINEER / PERIODIC			
CLASSIFICATION/TESTING FILL MATERIAL	YES	BY SOIL ENGINEER / PERIODIC			
OBSERVATION OF FILL MATERIAL/COMPACTION	YES	BY SOIL ENGINEER / CONTINUOUS			
FOUNDATION	YES	BY SOIL ENGINEER / PERIODIC VERIFICATION - MATERIALS BELOW FOOTING/ACHIEVE BEARING CAPACITY			
INSPECT SLAB-ON-GRADE INSTALLATION	YES	PRIOR TO CONCRETE PLACEMENT			
INSPECT AND TEST RETAINING WALL BACKFILL	YES	TO BE DETERMINED / PERIODIC			

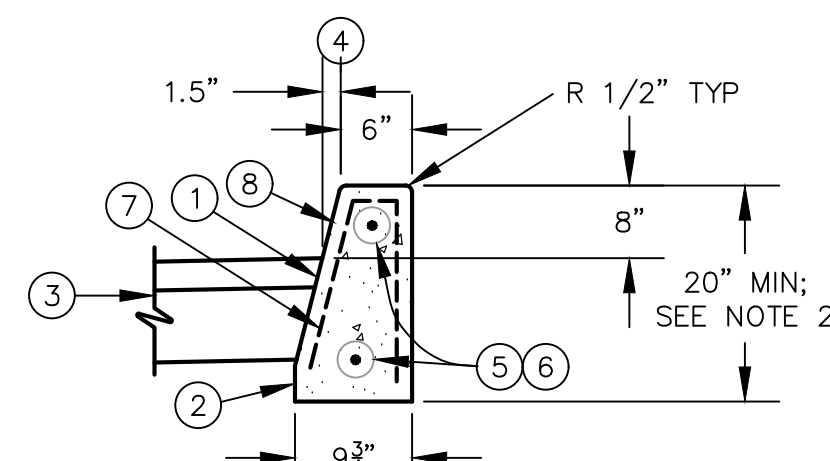
SOILS ENGINEER TO PROVIDE OBSERVATION DURING GRADING AND FOUNDATION PHASE OF CONSTRUCTION.



4 WALL DRAIN
SCALE: NONE

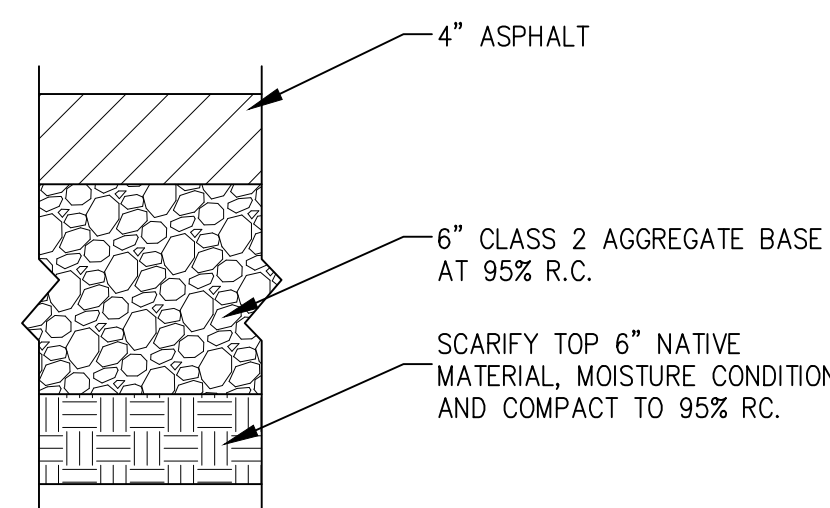


3 CLEAN OUT
SCALE: NONE

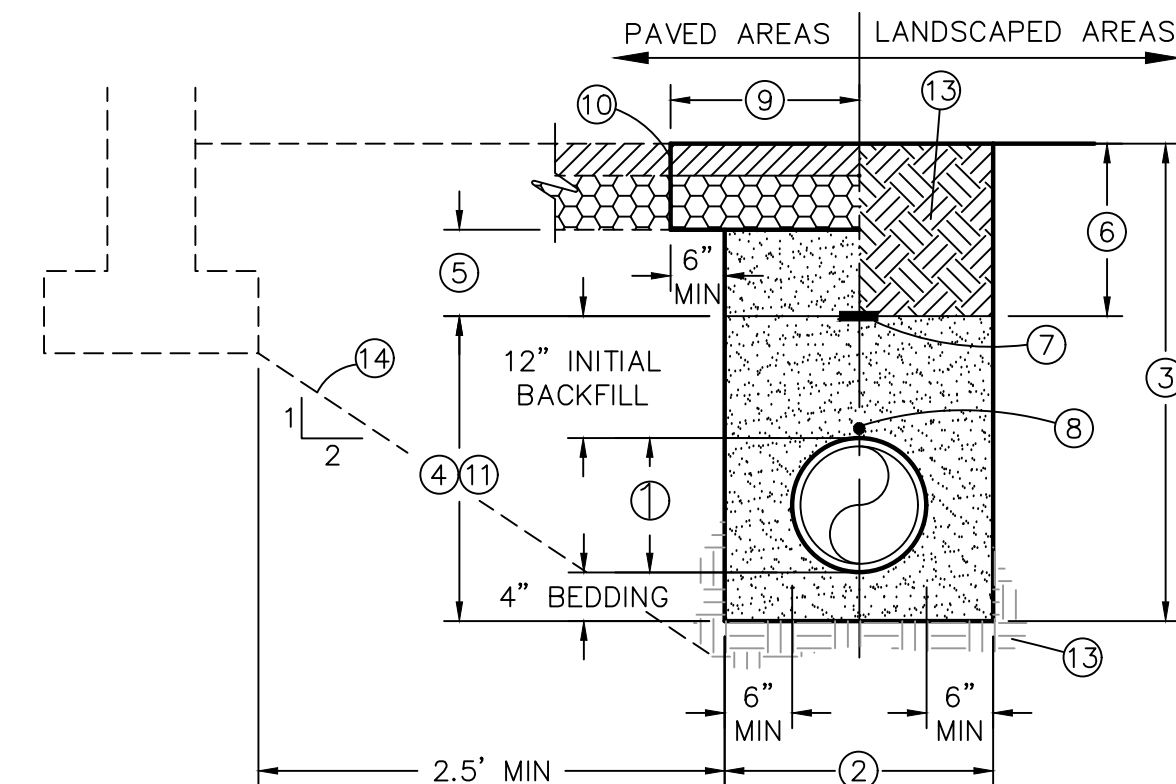


KEYNOTES:
1. APPLY TACK COAT TO FACE OF CURB PRIOR TO PAVING
2. EXTEND CURB MIN 2" BELOW BOTTOM OF AGGREGATE BASE COURSE
3. NEW AC PAVEMENT
4. CURB LINE PER PLANS
5. SLIP DOWEL EXPANSION JOINTS WITH TWO 12"-LONG #4 SMOOTH DOWELS. PROVIDE EXPANSION JOINTS AT CURB RETURNS, POINTS OF CURVATURE, AND EVERY 60' MAX.
6. DOWEL CONSTRUCTION JOINTS WITH TWO 12"-LONG #4 DEFORMED BAR DOWELS.
7. PROVIDE 1-1/2"-DEEP WEAKENED PLANE JOINTS AT MAXIMUM 12-FOOT INTERVALS. JOINTS SHOULD CORRESPOND TO SIDEWALK JOINT LOCATIONS WHERE ADJOINING.
8. TOP AND FRONT OF ALL CURBS SHALL BE FINE BROOM FINISHED. WHERE CURB ABUTS PLANTER, BACK OF CURB SHALL ALSO BE FINISHED TO 6" BELOW FINISH PLANTER GRADE.

2 CONCRETE VERTICAL CURB
SCALE: NONE



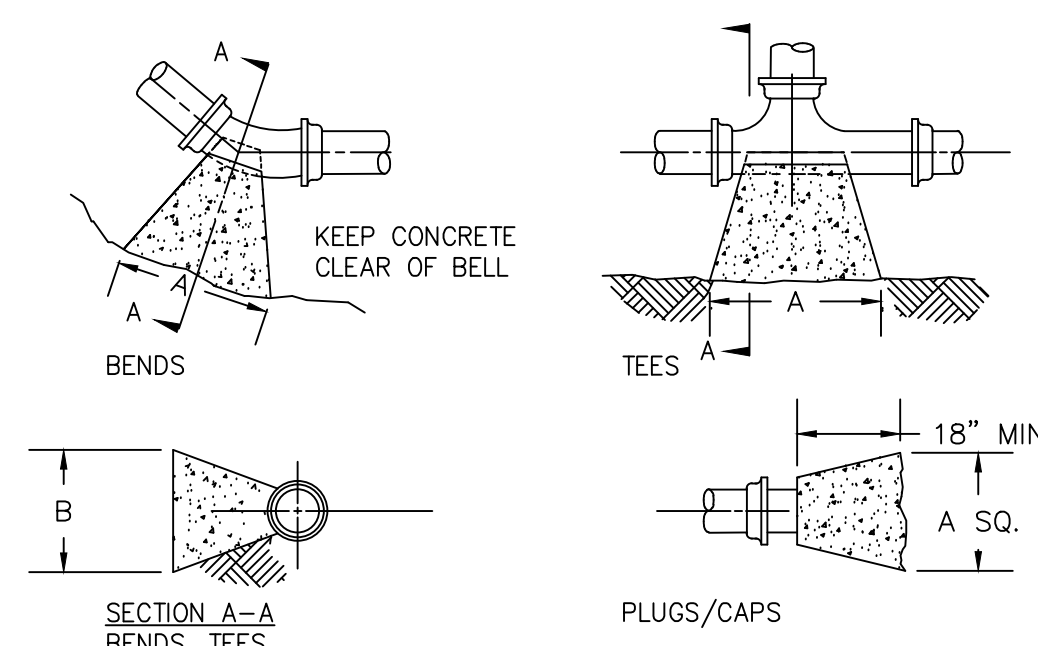
1 ASPHALT PAVEMENT SECTION
SCALE: NONE



KEYNOTES

1. PROPOSED PRIVATE UTILITY; PIPE ZONE
2. MINIMUM TRENCH WIDTH = PIPE O.D. + 12" MIN. PROVIDE MIN 6" CLR EITHER SIDE OF PIPE. TRENCH WIDTH MAY VARY FROM ACTUAL WIDTH REQUIRED TO PERFORM THE WORK DEPENDING UPON METHOD OF COMPACTION AND FOR TRENCH SHORING/PROTECTION USED BY CONTRACTOR.
3. TRENCH DEPTH AS SHOWN ON PLANS. IF NOT SHOWN OR OTHERWISE SPECIFIED, PROVIDE MIN 36" COVER FOR WATER MAINS 4" AND LARGER, AND MIN 30" COVER FOR OTHER FACILITIES.
4. PIPE BEDDING AND INITIAL BACKFILL: CLEAN SAND AS DEFINED IN ASTM 2487-10, WITH SAND EQUIVALENT OF 30 OR GREATER, COMPACTED IN MAX 8" LIFTS TO MIN. 95% R.C.
5. FINAL BACKFILL IN BUILDING, SLAB, FLATWORK, AND PAVEMENT AREAS: CLEAN SAND AS DEFINED IN ASTM 2487-10, WITH SAND EQUIVALENT OF 30 OR GREATER, COMPACTED IN MAX 6" LIFTS TO MIN. 95% R.C.
6. FINAL BACKFILL IN LANDSCAPE AREAS: NATIVE MATERIAL COMPACTED IN MAX 8" LIFTS TO MIN. 90% R.C.
7. PLACE 3"-WIDE WARNING TAPE 12" ABOVE PIPE.
8. PROVIDE INSULATED 12 AWG TRACER WIRE FOR ALL EXTERIOR NON-METALLIC GAS PIPES AND NON-METALLIC WATER PIPES 4"-DIA AND LARGER. TAPE TO TOP OF PIPE AT 10' INTERVALS. EXTEND TO THE SURFACE AT VALVE BOXES, RISERS, ETC., SO LOCATOR EQUIPMENT CAN BE CONNECTED.
9. PIPE TRENCHING WORK IN EXISTING PAVED AREAS SHALL INCLUDE REPLACEMENT OF EXISTING PAVEMENT, UNLESS OTHERWISE DIRECTED BY THE ARCHITECT. THE THICKNESS OF THE NEW AC, AND AB SHALL BE EQUIVALENT TO THE EXISTING AC, AND AB THICKNESS, OR 2.5" AC ON 8" AB, WHICHEVER IS GREATER. TRENCH PATCH SHALL EXTEND MIN 6" BEYOND TRENCH WALL.
10. ALL PAVEMENT CUTS SHALL BE NEATLY SAWCUT ON TRUE LINE TO 1-1/2" MINIMUM DEPTH AT A MINIMUM OF 6" BEYOND EDGE OF TRENCH WALL.
11. IN VEHICULAR AREAS, WHERE FINISH GRADE IS LESS THAN 24" ABOVE THE TOP OF PIPE, BACKFILL TO MIN 6" ABOVE TOP OF PIPE WITH 5-SACK CONCRETE.
12. ALL SOILS PROPOSED TO BE UTILIZED FOR TRENCH BEDDING AND BACKFILL SHALL BE APPROVED BY THE SOILS ENGINEER BEFORE USE. IMPORTED SOILS SHALL BE APPROVED BY THE SOILS ENGINEER BEFORE BEING BROUGHT TO THE SITE.
13. UNDISTURBED SUBGRADE SOIL. THE GEOTECHNICAL ENGINEER SHALL APPROVE SUBGRADE PRIOR TO PLACING BEDDING.
14. UTILITY TRENCHES THAT ARE PARALLEL TO THE SIDES OF BUILDINGS OR WALL FOOTINGS SHALL BE LOCATED SO THAT THE TRENCHES DO NOT EXTEND BELOW AN IMAGINARY LINE SLOPING DOWN AT A 2:1 (H:V) SLOPE FROM THE BOTTOM OUTSIDE EDGE OF THE FOOTINGS.
15. WHERE UTILITY TRENCHES CROSS BENEATH FOOTINGS (INCLUDING PERIMETER FOUNDATIONS), A CONCRETE PLUG SHALL BE PROVIDED

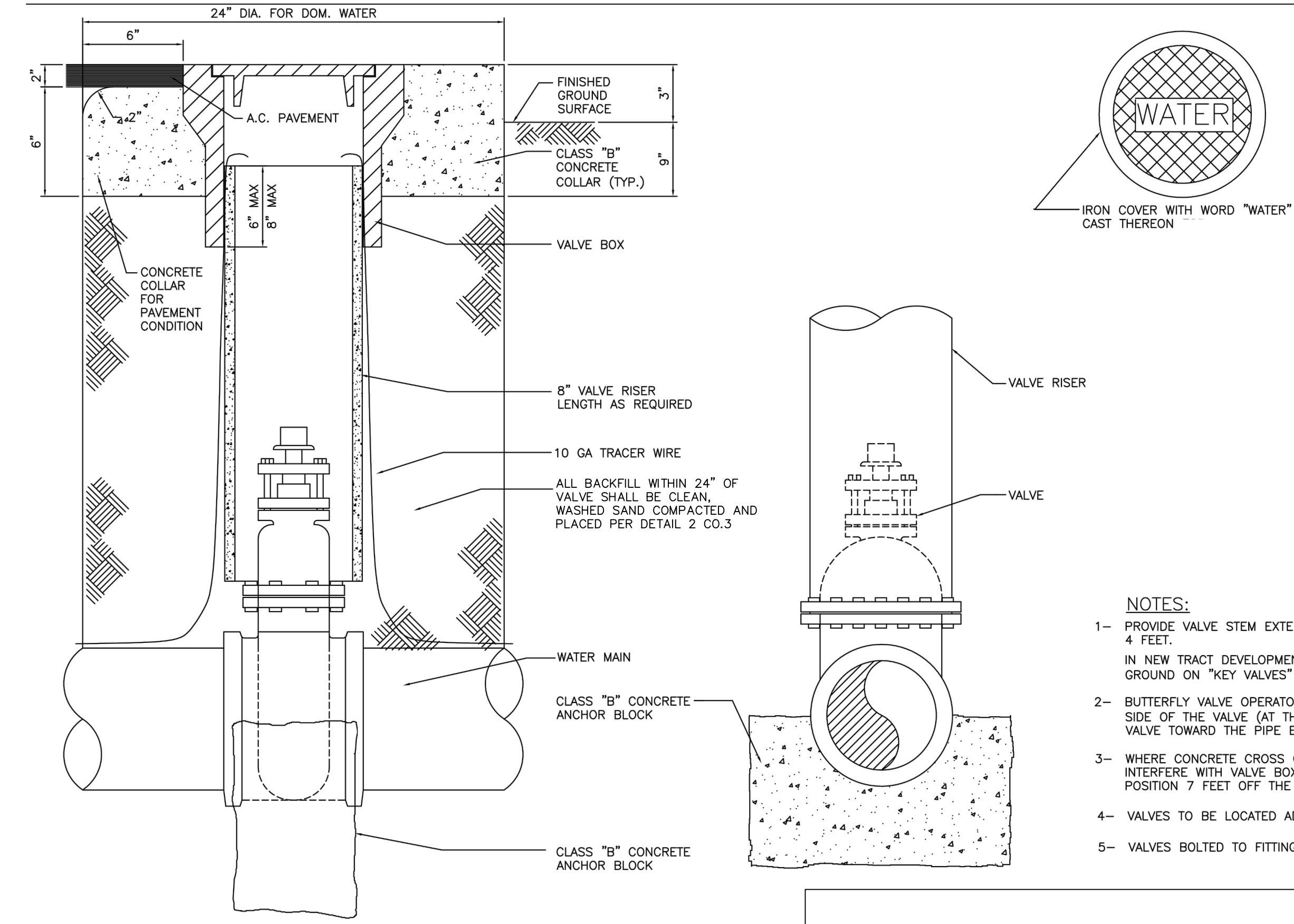
5 PRIVATE UTILITY TRENCHING
SCALE: NONE



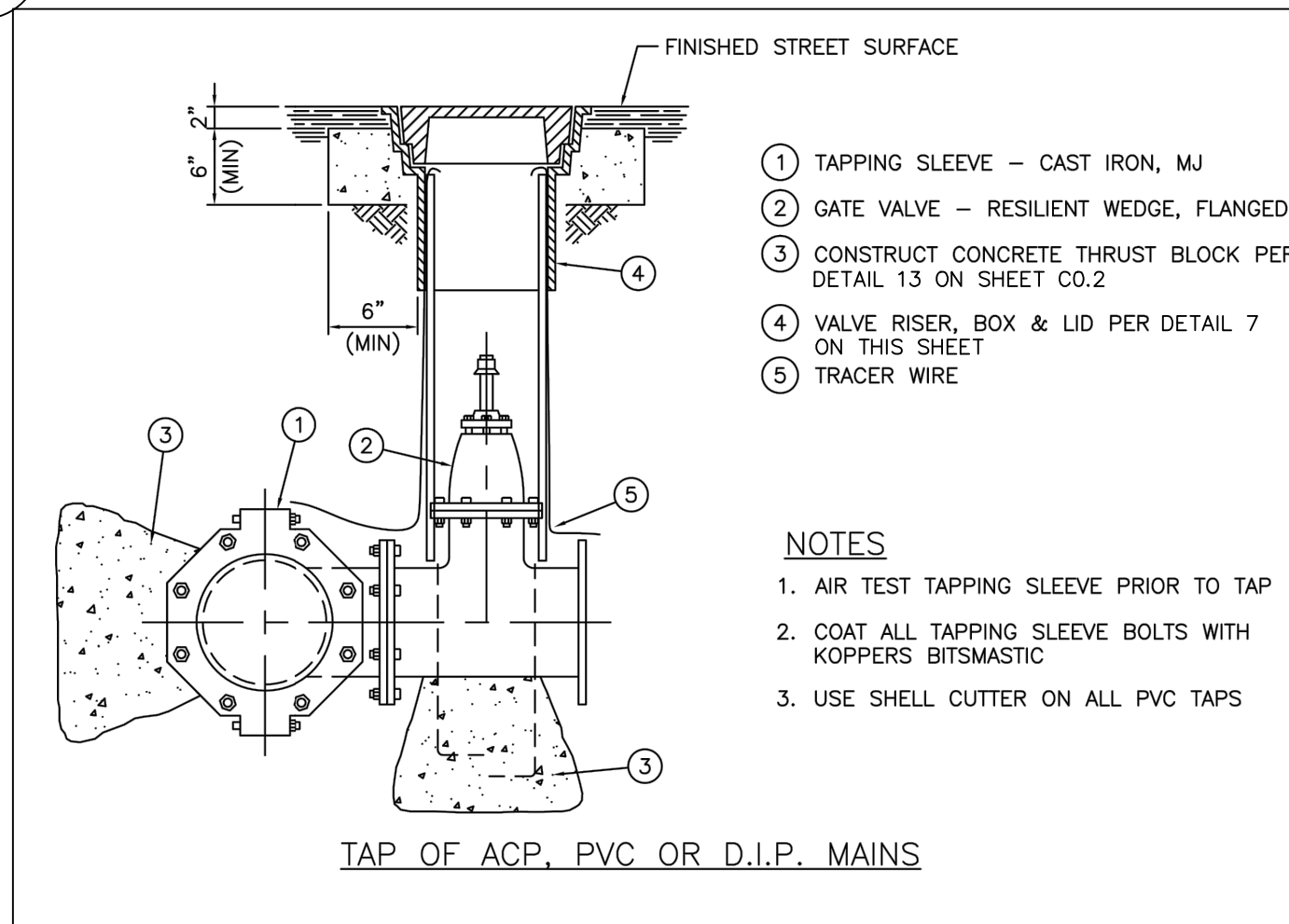
SIZE	90° BENDS		45° BENDS		22.5° BENDS		TEES and PLUGS	
	SIZE SQ. FT.	"A" "B"	SIZE SQ. FT.	"A" "B"	SIZE SQ. FT.	"A" "B"	SIZE SQ. FT.	"A" "B"
4"	2	24" 12"	2	24" 12"	2	24" 12"	2	18" 12"
6"	5	36" 18"	3	24" 18"	3	24" 18"	4	36" 18"
8"	8	46" 24"	5	28" 24"	4	26" 20"	6	42" 20"
10"	13	60" 36"	7	36" 30"	6	32" 22"	9	48" 24"
12"	18	66" 42"	10	42" 36"	8	40" 24"	13	56" 30"

BASED ON A WATER PRESSURE OF 225 POUNDS PER SQUARE INCH AND A SOIL RESISTANCE OF 2000 POUNDS PER SQUARE FOOT, PER NFPA 24 TABLE 8-6.2.7.

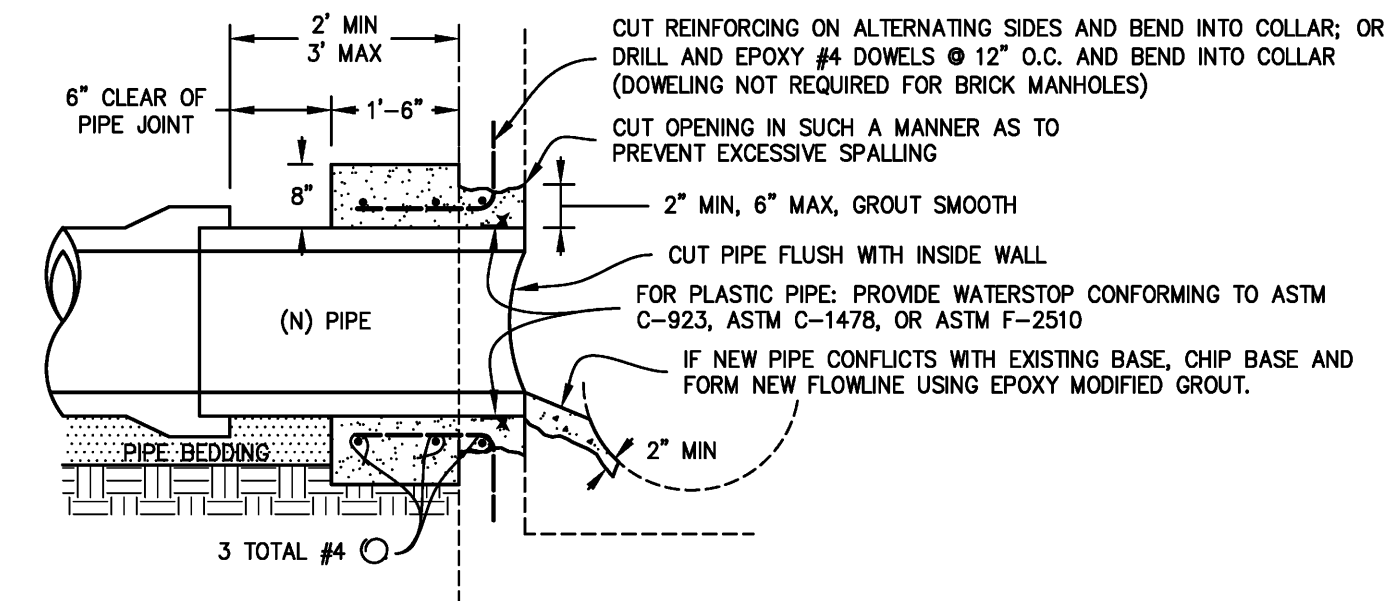
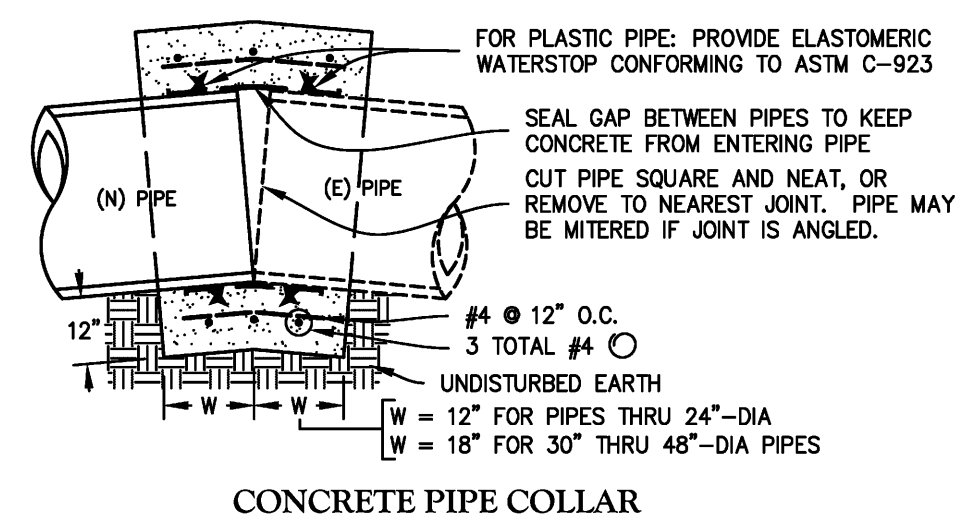
6 THRUST BLOCKS
SCALE: NONE



7 VALVE AND VALVE BOX INSTALLATION
SCALE: NONE



8 CONNECTION TO EXISTING PIPE
SCALE: NONE



STORM DRAIN CONNECTIONS

DETAIL
602

REVISIONS:

NO.	BY:	DATE:	DESCRIPTION:

DATE: 4/9/18
SCALE: NTS
ENGR: KCL
JOB NO.: 324200

REGISTERED PROFESSIONAL ENGINEER
RICHARD P. WEBER
No. 55219
CIVIL
STATE OF CALIFORNIA

WHITSON ENGINEERS

6 Harris Court • Monterey, CA 93940
831 649-5225 • Fax 831 373-5065

CIVIL ENGINEERING • LAND SURVEYING • PROJECT MANAGEMENT

CALIFORNIA

LAGUNA SECA

MONTEREY COUNTY

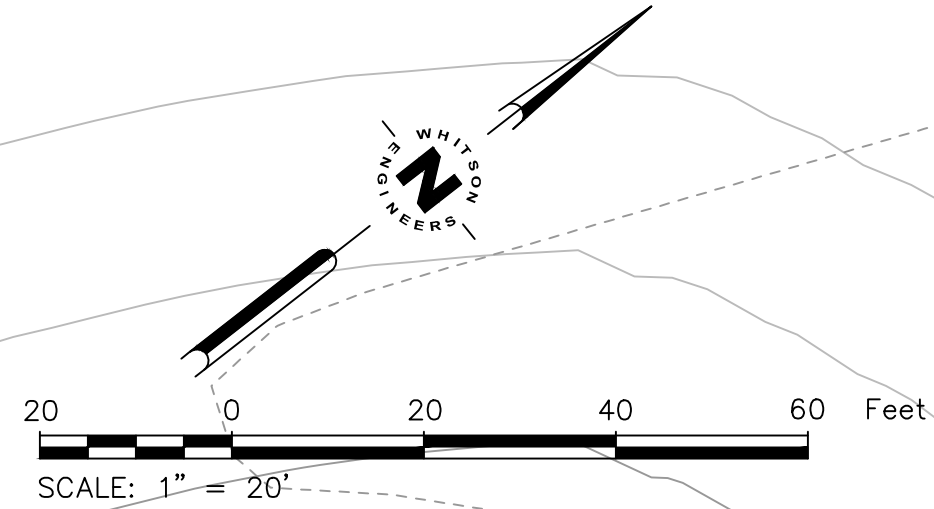
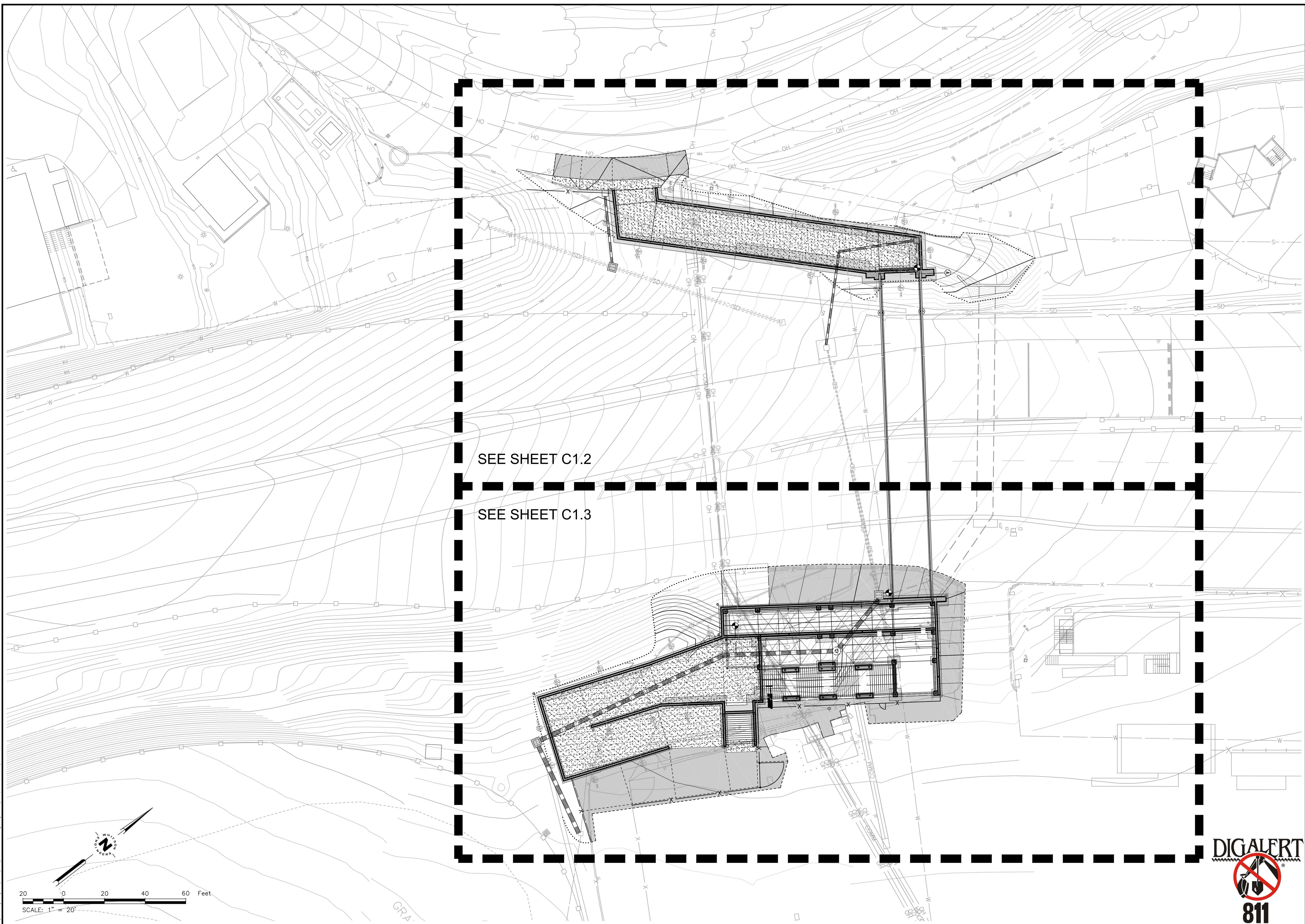
START - FINISH BRIDGE
CIVIL DETAILS

SHEET

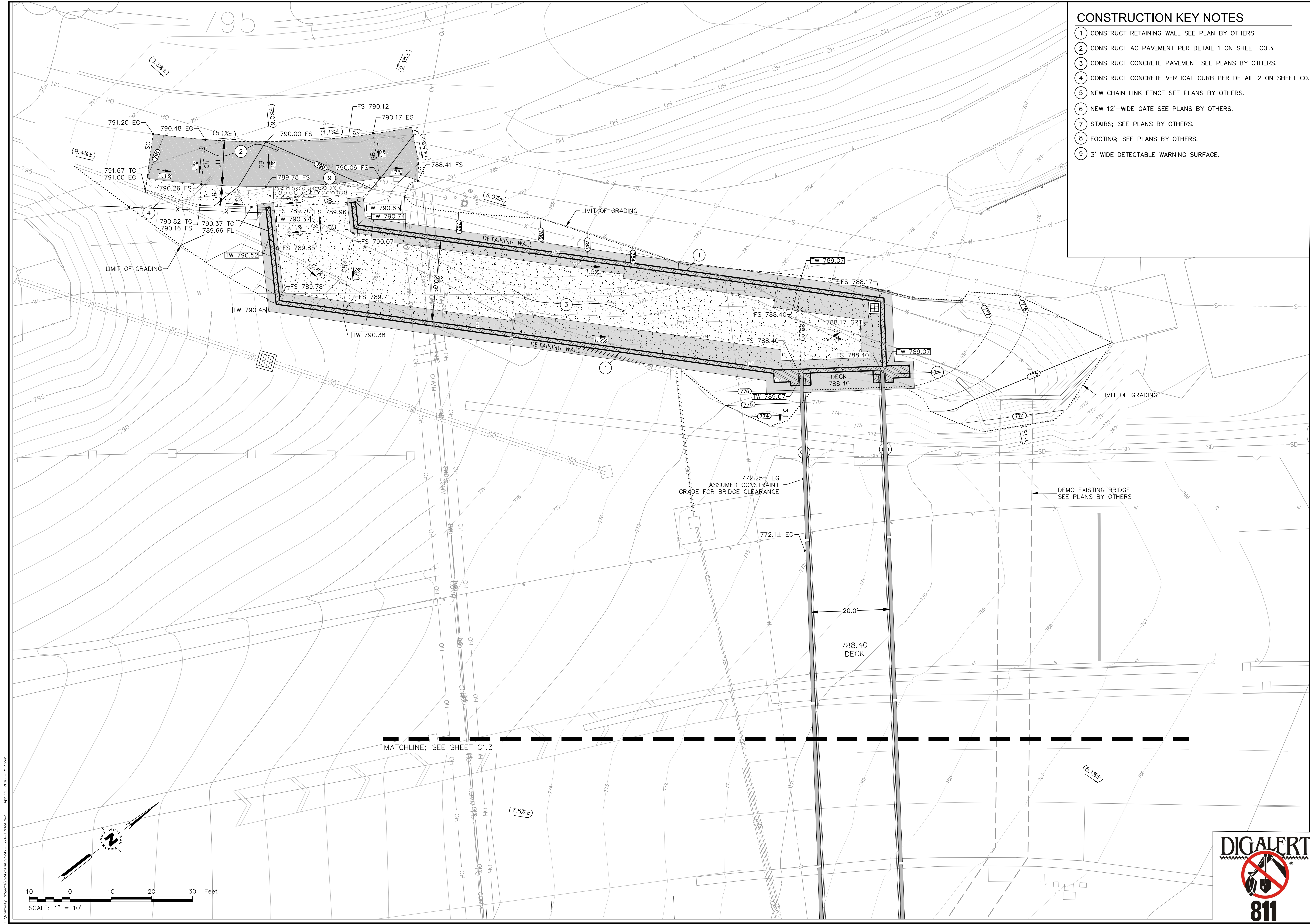
C0.3

OF

T:\Monteiry Projects\3245\3245-CAD\3245-SPA-Bridges.dwg Apr 12, 2018 = 4.31pm



SHEET		C1.1		OF	
MONTEREY COUNTY		CALIFORNIA			
LAGUNA SECA		START - FINISH BRIDGE		KEY MAP CIVIL SITE GRADING AND DRAINAGE PLAN	
WHITSON ENGINEERS		REGISTERED PROFESSIONAL ENGINEER		RICHARD P. WEBER	
6 Harris Court • Monterey, CA 93940		No. 5229		KCL	
831 649-5225 • Fax 831 373-5065		ENCLOSURE		JOB NO. 3242.00	
CIVIL ENGINEERING • LAND SURVEYING • PROJECT MANAGEMENT		REVISIONS:			
		NO.		BY:	
		DATE:		DESCRIPTION:	



- CONSTRUCTION KEY NOTES**
- 1 CONSTRUCT RETAINING WALL SEE PLAN BY OTHERS.
 - 2 CONSTRUCT AC PAVEMENT PER DETAIL 1 ON SHEET C0.3.
 - 3 CONSTRUCT CONCRETE PAVEMENT SEE PLANS BY OTHERS.
 - 4 CONSTRUCT CONCRETE VERTICAL CURB PER DETAIL 2 ON SHEET C0.3.
 - 5 NEW CHAIN LINK FENCE SEE PLANS BY OTHERS.
 - 6 NEW 12'-WIDE GATE SEE PLANS BY OTHERS.
 - 7 STAIRS; SEE PLANS BY OTHERS.
 - 8 FOOTING; SEE PLANS BY OTHERS.
 - 9 3' WIDE DETECTABLE WARNING SURFACE.

DATE: 4/6/18		SCALE: 1"=10'		ENCL: KCL		JOB NO.: 3242.00	
NO.:		DATE:		DESCRIPTION:		REVISIONS:	
BY:							
NO.:							

WHITSON ENGINEERS
6 Harris Court • Monterey, CA 93940
831 649-5225 • Fax 831 373-5065
CIVIL ENGINEERING • LAND SURVEYING • PROJECT MANAGEMENT

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

START - FINISH BRIDGE

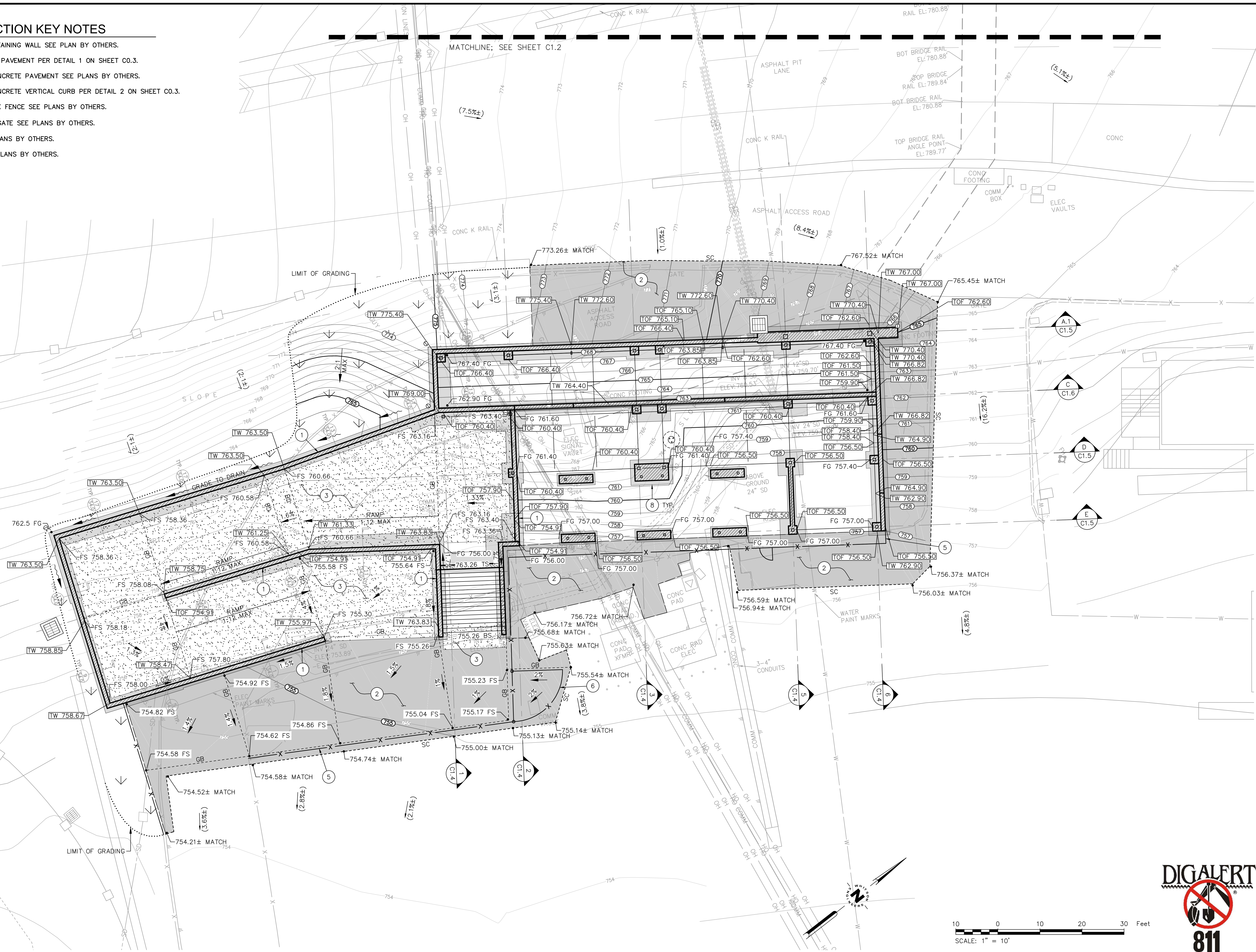
CIVIL SITE GRADING AND DRAINAGE PLAN - WEST

SHEET

C1.2

OF

- ① CONSTRUCT RETAINING WALL SEE PLAN BY OTHERS.
- ② CONSTRUCT AC PAVEMENT PER DETAIL 1 ON SHEET CO.3.
- ③ CONSTRUCT CONCRETE PAVEMENT SEE PLANS BY OTHERS.
- ④ CONSTRUCT CONCRETE VERTICAL CURB PER DETAIL 2 ON SHEET CO.3.
- ⑤ NEW CHAIN LINK FENCE SEE PLANS BY OTHERS.
- ⑥ NEW 12'-WIDE GATE SEE PLANS BY OTHERS.
- ⑦ STAIRS; SEE PLANS BY OTHERS.
- ⑧ FOOTING; SEE PLANS BY OTHERS.



DATE: 4/6/18		REVISIONS:	
SCALE: 1"=10'		DESCRIPTION:	
NO.	BY:	DATE:	
		ENGR.	
		KCL	
		JOB NO.	
			\$3242.00

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

LAGUNA SECA

MONTEREY COUNTY

CALIFORNIA

C1.3

OF

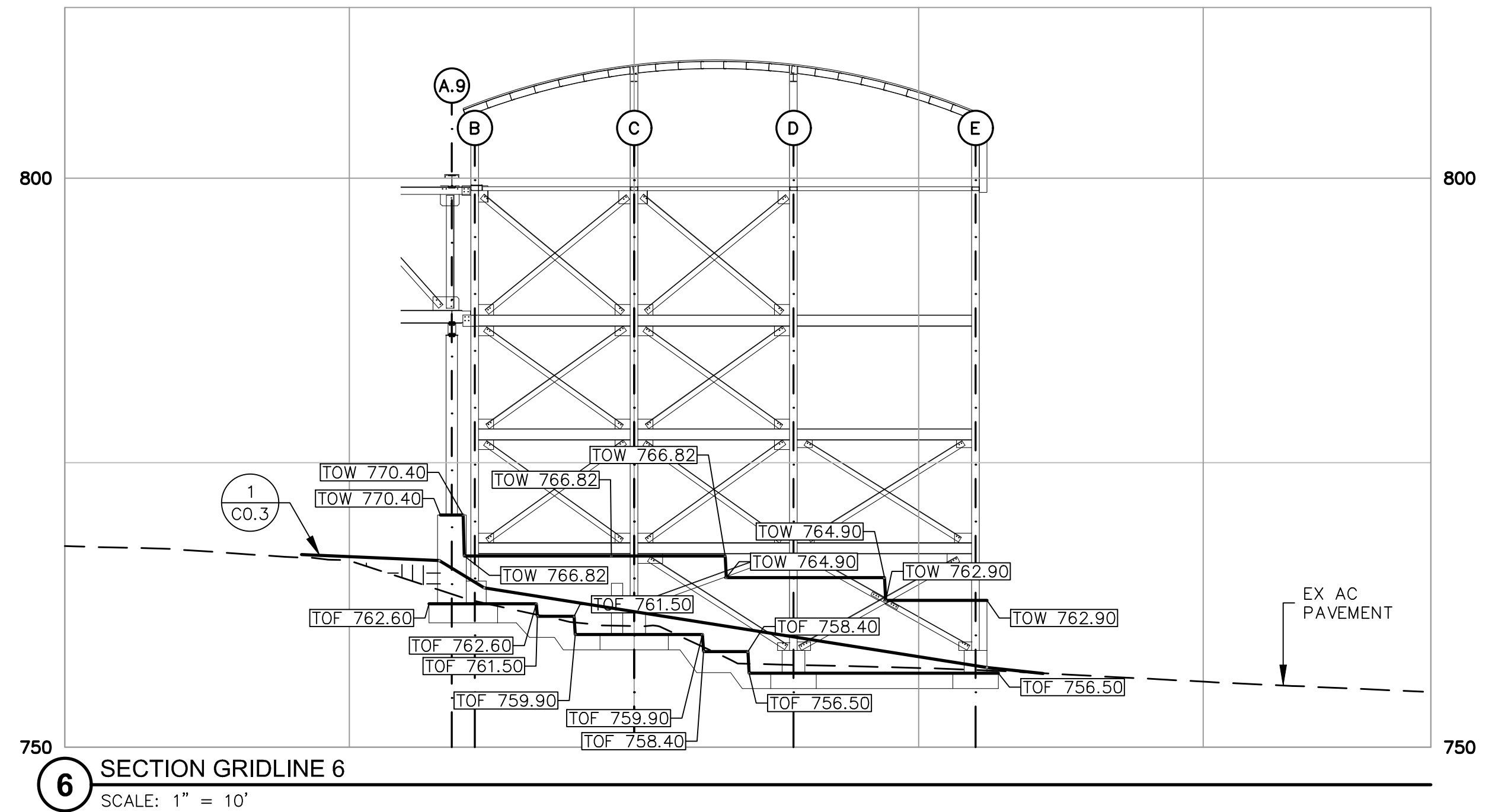
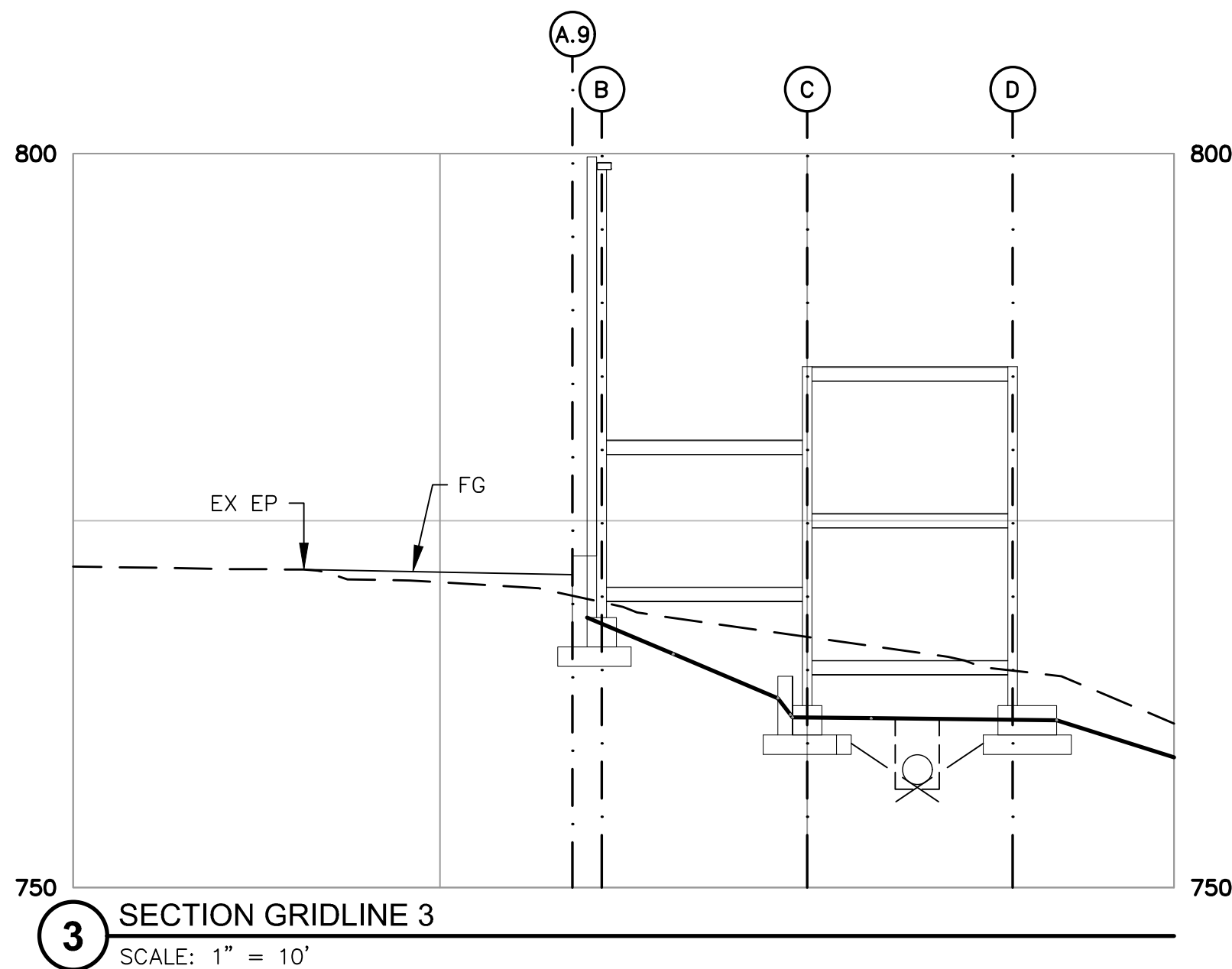
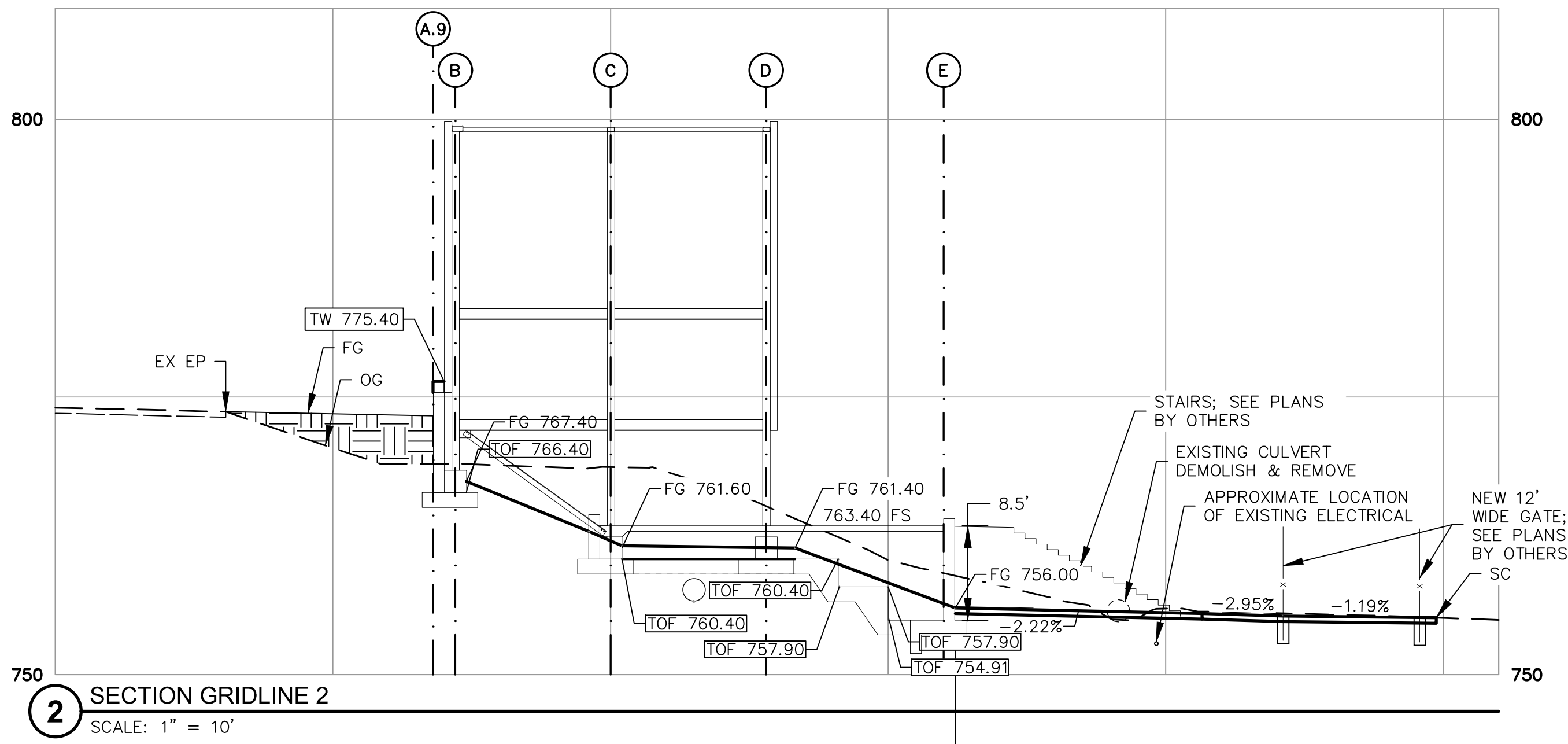
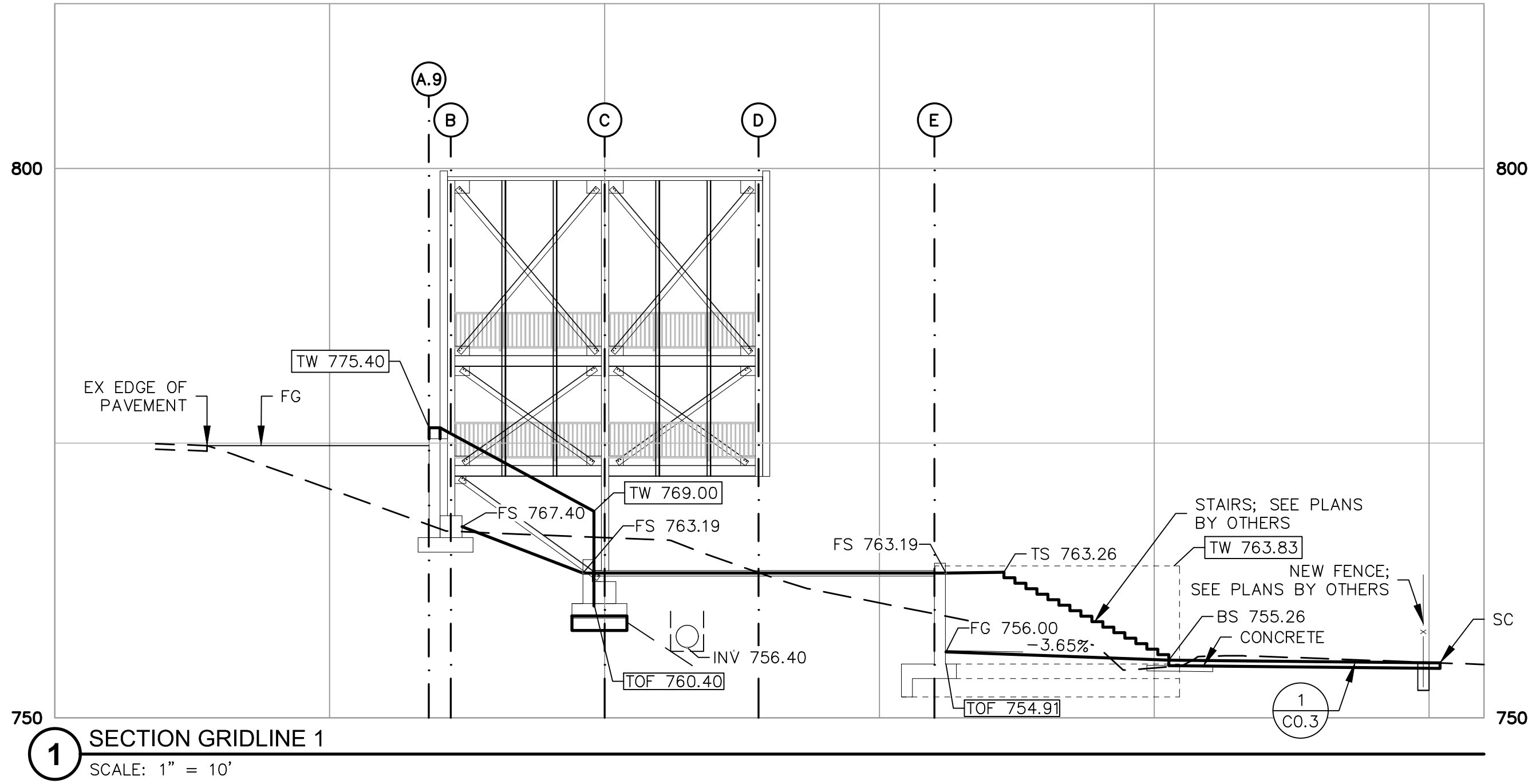
LAGUNA SECA

MONTEREY COUNTY

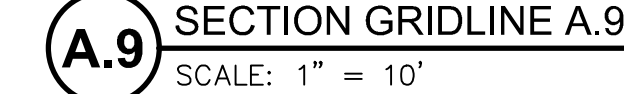
CALIFORNIA</

\\Monterey Projects\3242\CAD\3242-LSRA-Bridge.dwg Apr 12, 2018 - 4:58pm

G:\Users\Nina.Vasquez\Documents\Projects\LAGUNA SECA\13242-1-150A-01.dwg Apr 12, 2018 11:55:25am



REVISIONS:	
NO.	DATE
1	4/6/18
DESCRIPTION:	
BY:	ENCL.
KCL	3242.00
DATE: 4/6/18	
SCALE: 1"=10'	
ENCL. KCL	
JOB NO.: 3242.00	
REGISTERED PROFESSIONAL ENGINEER	
RICHARD P. WEBER	
No. 5229	
STATE OF CALIF.	
CIVIL	
WHITSON ENGINEERS	
6 Harris Court - Monterey, CA 93940	
831 649-5225 - Fax 831 373-5065	
CIVIL ENGINEERING - LAND SURVEYING - PROJECT MANAGEMENT	
CALIFORNIA	
LAGUNA SECA	
START - FINISH BRIDGE	
CIVIL SECTIONS	
MONTEREY COUNTY	
SHEET	
C1.4	
OF	



DATE: 4/6/18	SCALE: 1"=10'	ENGR. KCL	JOB NO.: 3242.00
------------------------	-------------------------	---------------------	----------------------------



CALIFORNIA	
------------	--

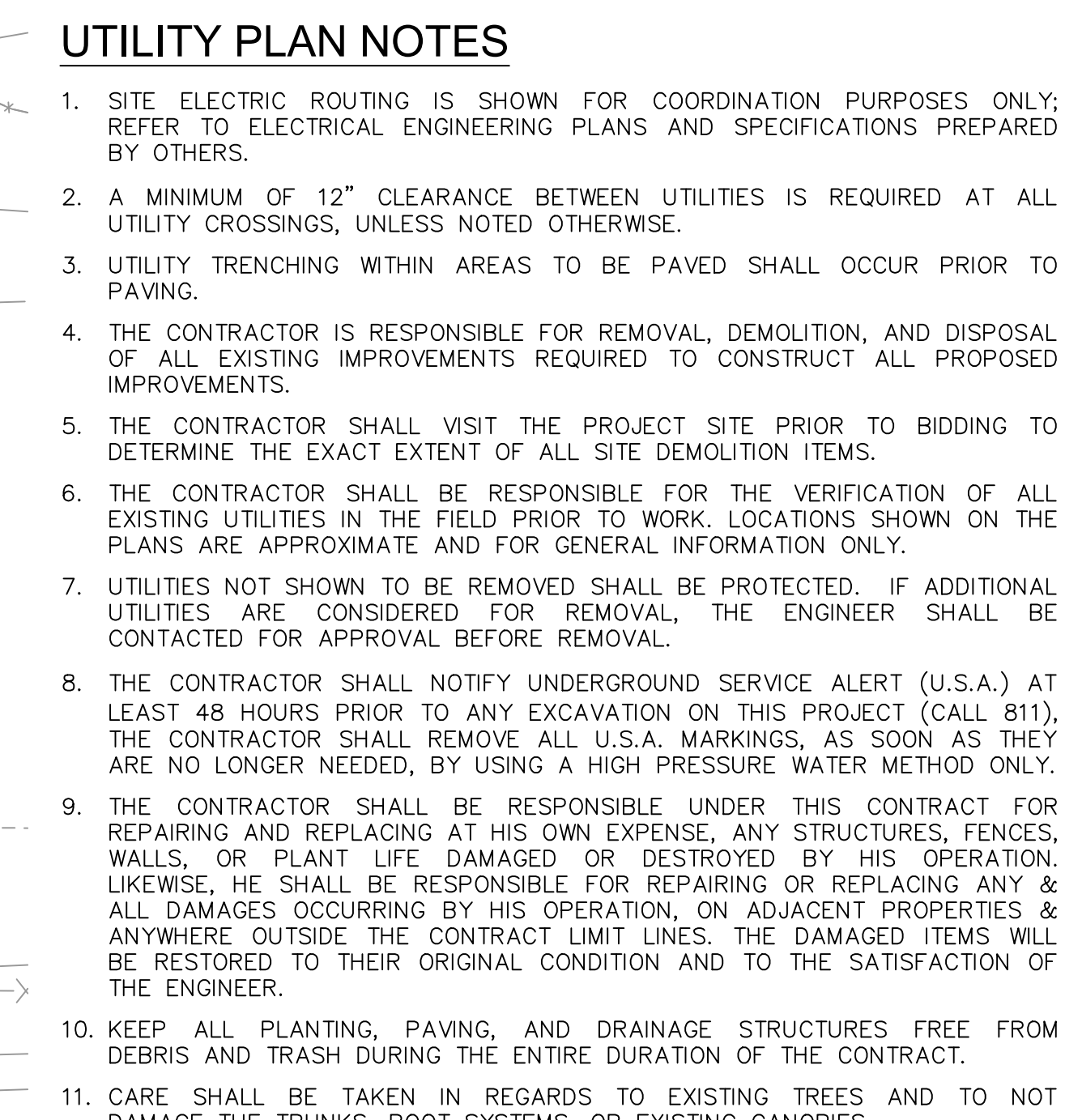
LAGUNA SECA

**START - FINISH BRIDGE
CIVIL SECTIONS**

MONTEREY COUNTY

SHEET
C1.5
OF





- 1 CONNECT TO EXISTING WATER LINE AND REROUTE AS SHOWN HEREON.
- 2 PROTECT; EXISTING UTILITY TO REMAIN.
- 3 PROTECT; EXISTING TRANSFORMERS TO REMAIN.
- 4 ADJUST UTILITY COVER TO FINISH GRADE.
- 5 RESET GUY WIRES; COORDINATE WITH PG&E
- 6 SEE PLANS BY OTHERS
- 7 CLEANOUT PER DETAIL 3 ON SHEET C0.3.
- 8 DEMOLISH EXISTING UTILITY
- 9 WALL DRAIN PER DETAIL 4 ON SHEET C0.3.

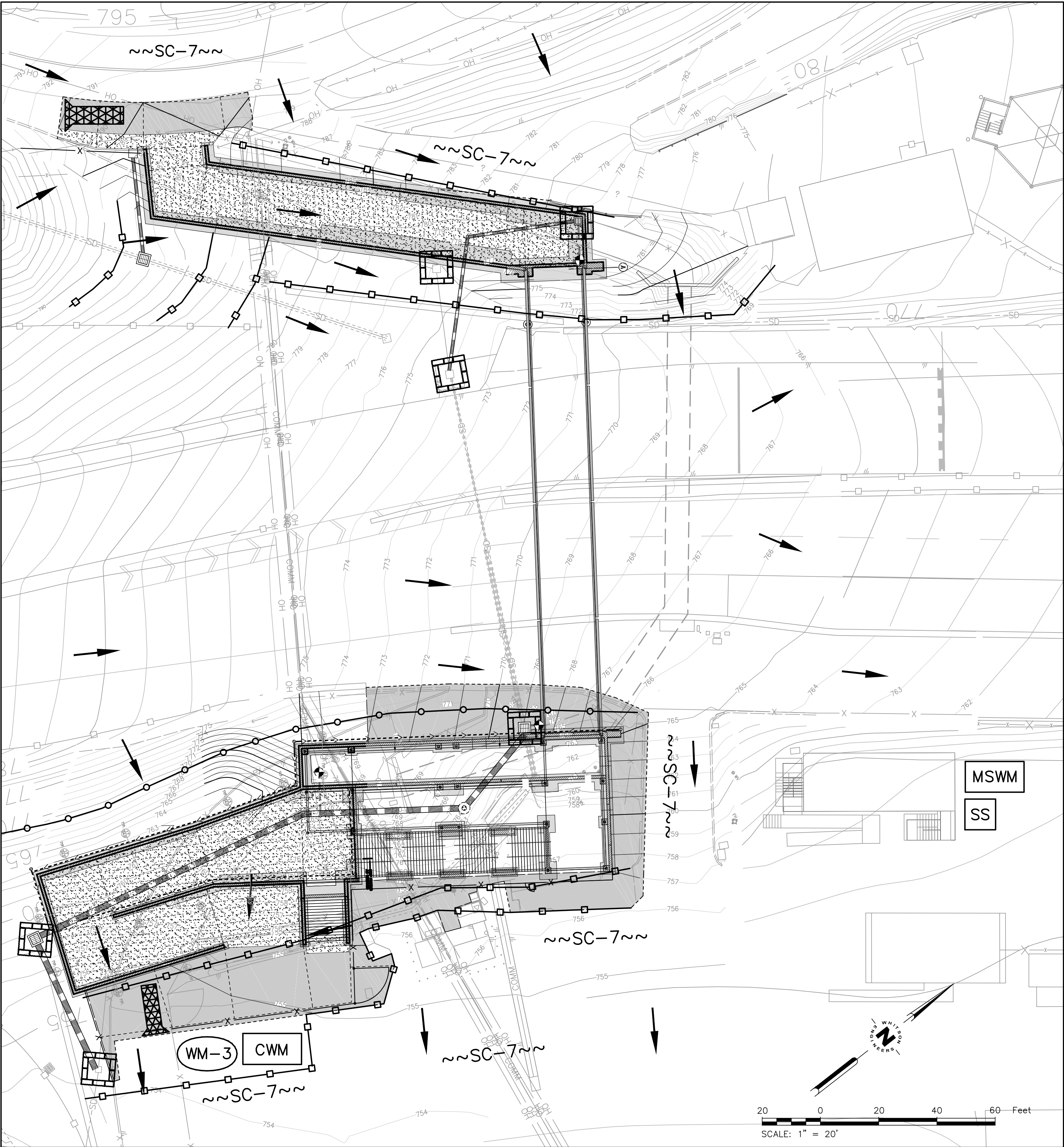


DIGALERT
811

T:\Monterey Projects\3242\3242-CAD\3242-SPN-Bridges.dwg Apr 12, 2018 5:09pm

LEGEND

SYMBOL	CALTRANS BMP #	CALTRANS STD. PLAN	DESCRIPTION
	SS-9	-	EARTH DIKES, DRAINAGE SWALES AND LINED DITCHES
	SC-1, SC-5, SC-6	T51, T56, T60, T66	LINEAR SEDIMENT BARRIER: FIBER ROLLS, SILT FENCE, OR COMPOST SOCK (CONTRACTOR'S OPTION)
	SC-1	T51, T60	SILT FENCE
	-	-	TREE PROTECTION FENCING (ORANGE SNOW FENCING)
	SC-7	-	STREET SWEEPING
	SC-10	-	INLET PROTECTION
	WM-8	T61, T62, T63, T64	CONCRETE WASTE MANAGEMENT (WASHOUT) AREA
	SS-3, SS-4, SS-5, SS-6, SS-7, SS-8	T59	SOIL STABILIZATION (PROVIDE ON ALL DISTURBED SOILS) TEMPORARY STABILIZATION PER CIVIL PLANS / SPECS PERMANENT STABILIZATION PER LANDSCAPE DWGS / SPECS
	TC-1, TC-3	T58	STABILIZED CONSTRUCTION ENTRANCE/EXIT OR TIRE WASH
	WM-1	-	MATERIAL STORAGE AND WASTE MANAGEMENT AREA
	WM-3	T53	TEMPORARY STOCKPILES
	WM-9	-	SANITARY FACILITIES
	-	-	DIRECTION OF DRAINAGE



TEMPORARY WATER POLLUTION CONTROL PLAN



REVISIONS:

NO.	BY:	DATE:	DESCRIPTION:

DATE: 4/6/18
SCALE: 1"=20'
ENGR: RCL
JOB NO.: 3242.00

REGISTERED PROFESSIONAL ENGINEER
RICHARD P. WEBER
No. 5529
CIVIL
STATE OF CALIF.

WHITSON ENGINEERS
6 Harris Court • Monterey, CA 93940
831 649-5225 • Fax 831 373-5065
CIVIL ENGINEERING • LAND SURVEYING • PROJECT MANAGEMENT

CALIFORNIA

LAGUNA SECA

MONTEREY COUNTY

SHEET

START - FINISH BRIDGE

TEMPORARY WATER POLLUTION CONTROL PLAN

OF

C3.1

WATER POLLUTION CONTROL PLAN

1. ESTIMATED TOTAL DISTURBED AREA: 0.5 AC.
2. BEST MANAGEMENT PRACTICES (BMPs) (MATERIALS AND THEIR INSTALLATION) SHALL CONFORM TO ONE OF THE FOLLOWING:
- 2.1. THE 2003 EDITION OF THE CALTRANS STORM WATER QUALITY HANDBOOK / CONSTRUCTION SITE BMP MANUAL. THE HANDBOOK MAY BE DOWNLOADED FOR FREE AT <http://www.dot.ca.gov/hq/construc/stormwater/stormwater1.htm>
- 2.2. THE 2009 EDITION OF THE CALIFORNIA STORMWATER BMP HANDBOOK PROMULGATED BY THE CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA). THE HANDBOOK MAY BE DOWNLOADED FOR A FEE FROM THE CASQA WEBSITE AT <http://www.cobmphandbooks.com/>
3. THE BMPs SHOWN ON THIS WATER POLLUTION CONTROL PLAN SHALL BE ADJUSTED OR SUPPLEMENTED AS REQUIRED TO PROTECT WATER QUALITY AND/OR AS DIRECTED BY THE ENGINEER OR JURISDICTION HAVING AUTHORITY.
4. THIS PLAN IS INTENDED TO BE USED FOR INTERIM WATER POLLUTION CONTROL ONLY AND IS NOT TO BE USED FOR FINAL ELEVATIONS OR PERMANENT IMPROVEMENTS.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING BMPs PRIOR TO, DURING, AND AFTER STORM EVENTS, AND SHALL PROMPTLY CORRECT ANY DEFICIENCIES NOTED.
6. ALL PAVED AREAS SHALL BE KEPT CLEAN OF SOIL AND DEBRIS. REGULAR STREET SWEEPING IS REQUIRED. ADDITIONAL STREET SWEEPING MAY BE REQUIRED BY THE ARCHITECT/ENGINEER OR JURISDICTION HAVING AUTHORITY.
7. REASONABLE CARE SHALL BE TAKEN WHEN HAULING ANY EARTH, SAND, GRAVEL, STONE, DEBRIS, PAPER OR ANY OTHER SUBSTANCE OVER ANY PUBLIC STREET, ALLEY OR OTHER PUBLIC PLACE. SHOULD ANY BLOW, SPILL, OR TRACK OVER AND UPON SAID PUBLIC OR ADJACENT PRIVATE PROPERTY, IMMEDIATELY REMEDY SHALL OCCUR.
8. KEEP ADDITIONAL EROSION AND SEDIMENT CONTROL SUPPLIES ON SITE IN CASE IMMEDIATE REPAIRS OR MODIFICATIONS ARE REQUIRED. THESE SUPPLIES MAY INCLUDE ADDITIONAL SLIT FENCING, FILTER FABRIC, HAY BALES, JUTE NETTING, BAGS AND TARPS.
9. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION WILL BE MINIMIZED. STATE AND LOCAL LAWS CONCERNING POLLUTION ABATEMENT SHALL BE COMPLIED WITH.
10. CONTRACTOR SHALL PROVIDE DUST CONTROL AS REQUIRED BY FEDERAL, STATE, AND LOCAL AGENCY REQUIREMENTS.
11. PROVIDE TEMPORARY "EFFECTIVE SOIL COVER" ON ALL INACTIVE DISTURBED AREAS (AREAS WHICH HAVE NOT BEEN DISTURBED FOR AT LEAST 14 DAYS) PRIOR TO INSTALLATION OF FINAL LANDSCAPING, IF REQUIRED DUE TO PROJECT SCHEDULING.
12. PROVIDE WIND EROSION CONTROL AT ALL TIMES IN ACCORDANCE WITH BEST MANAGEMENT PRACTICE WE-1.
13. LIMIT THE USE OF PLASTIC MATERIALS WHEN MORE SUSTAINABLE, ENVIRONMENTALLY FRIENDLY ALTERNATIVES EXIST. WHERE PLASTIC MATERIALS ARE DEEMED NECESSARY, CONSIDER THE USE OF PLASTIC MATERIALS RESISTANT TO SOLAR DEGRADATION AND WHICH MAY BE RE-USED.
14. ESTABLISH AND MAINTAIN EFFECTIVE PERIMETER CONTROLS AND STABILIZE ALL CONSTRUCTION ENTRANCES AND EXITS TO SUFFICIENTLY CONTROL EROSION AND SEDIMENT DISCHARGES FROM THE SITE.
- PROVIDE SILT FENCE AT CONSTRUCTION SITE PERIMETER WHERE RUNOFF LEAVES THE CONSTRUCTION SITE.
 - PROVIDE INLET PROTECTION AT ALL DRAIN INLETS.

MONTEREY COUNTY REQUIREMENTS

1. ACTUAL GRADING SHALL BEGIN WITHIN 30 DAYS OF VEGETATION REMOVAL OR THE AREA SHALL BE PLANTED TO CONTROL EROSION. VEGETATION REMOVAL BETWEEN OCTOBER 15TH AND APRIL 15TH SHALL NOT PRECEDE SUBSEQUENT GRADING OR CONSTRUCTION ACTIVITIES BY MORE THAN 15 DAYS.
2. THE FOLLOWING PROVISIONS SHALL APPLY BETWEEN OCTOBER 1 AND APRIL 30.
- A. DISTURBED SURFACES NOT INVOLVED IN THE IMMEDIATE OPERATIONS MUST BE PROTECTED BY APPLYING STRAW MULCH AT 2000 LBS. PER ACRE AND ANCHORED BY TRACK-WALKING TO PREVENT MOVEMENT DURING WATER FLOW.
- B. RUNOFF FROM THE SITE SHALL BE DETAINED OR FILTERED BY BERMS, VEGETATED FILTER STRIPS AND/OR CATCH BASINS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE SITE. THESE DRAINAGE CONTROLS MUST BE MAINTAINED BY THE CONTRACTOR AS NECESSARY TO ACHIEVE THEIR PURPOSE THROUGHOUT THE LIFE OF THE PROJECT. SEE THIS SHEET FOR EROSION CONTROL PLAN AND EROSION CONTROL DETAILS.
- C. EROSION CONTROL MEASURES SHALL BE IN PLACE AT THE END OF EACH DAY'S WORK.
- D. THE BUILDING INSPECTOR SHALL STOP OPERATIONS DURING PERIODS OF INCLEMENT WEATHER IF HE DETERMINES THAT EROSION PROBLEMS ARE NOT BEING CONTROLLED ADEQUATELY.
- E. CUT AND FILL SLOPES SHALL BE PLANTED WITH AN SEED MIX APPROVED BY THE ARCHITECT. AMOUNT OF SEED AND FERTILIZER SHALL BE APPROVED BY THE ARCHITECT.
3. ALL SURFACES EXPOSED OR EXPECTED TO BE EXPOSED DURING GRADING ACTIVITIES SHALL BE PREPARED AND MAINTAINED THROUGH THE LENGTH OF THE ENTIRE PROJECT TO PROTECT AGAINST EROSION.
4. AT ALL TIMES DURING CONSTRUCTION AND UNTIL FINAL COMPLETION, THE CONTRACTOR, WHEN HE OR HIS SUBCONTRACTORS ARE OPERATING EQUIPMENT ON THE SITE, SHALL PREVENT THE FORMATION OF AN AIRBORNE DUST NUISANCE BY WATERING AND/OR TREATING THE SITE OF THE WORK IN SUCH A MANNER THAT WILL CONFINE DUST PARTICLES TO THE IMMEDIATE SURFACE OF THE WORK. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE DONE BY DUST FROM HIS OR HER SUBCONTRACTOR.

OBSERVATION AND MAINTENANCE

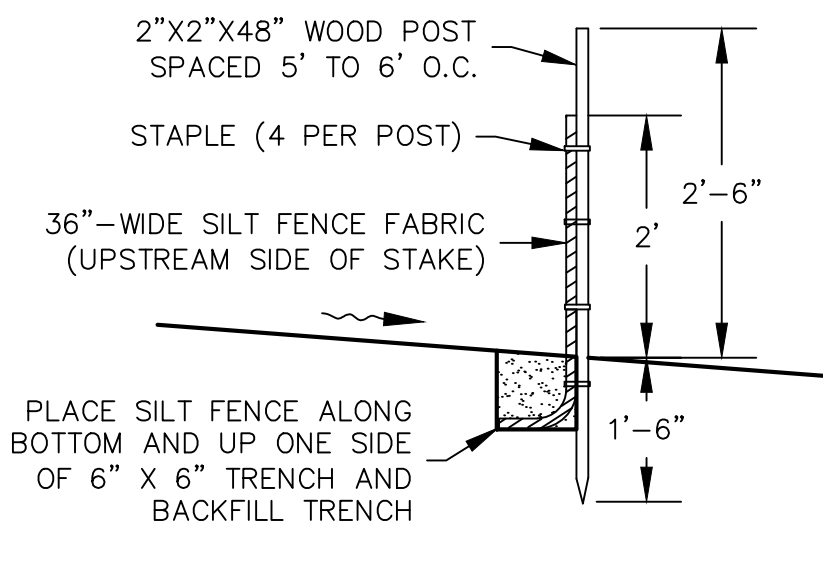
1. VISUALLY OBSERVE AND MAINTAIN BEST MANAGEMENT PRACTICES (BMPs) AS FOLLOWS:
- A. WEEKLY, AND
- B. WITHIN 48 HOURS PRIOR TO EACH QUALIFIED RAIN EVENT (A RAIN EVENT WHICH PRODUCES 0.5 INCHES OF PRECIPITATION)
- C. EVERY 24 HOURS DURING A QUALIFIED RAIN EVENT
- D. WITHIN 48 HOURS AFTER EACH QUALIFIED RAIN EVENT
2. REPAIR DAMAGED BMPs WITHIN 72 HOURS OF OBSERVATION.
3. SEDIMENT SHALL BE REMOVED FROM SEDIMENT CONTROL BMPs BEFORE SEDIMENT HAS ACCUMULATED TO A DEPTH OF ONE THIRD THE HEIGHT OF THE SEDIMENT BARRIER OR SUMP, IF NOT OTHERWISE SPECIFIED IN THE SPECIAL PROVISIONS OR BY THE BMP SUPPLIER OR MANUFACTURER.
4. TRASH AND DEBRIS SHALL BE REMOVED FROM BMPs DURING SCHEDULED INSPECTIONS.
5. REMOVED SEDIMENT SHALL BE PLACED AT AN APPROVED LOCATION AND IN SUCH A MANNER THAT IT WILL NOT ERODE, OR SHALL BE DISPOSED OF OFF-SITE.
6. REPAIR RILLS AND GULLIES BY RE-GRADING AND THEN TRACKWALKING PERPENDICULAR TO THE SLOPE. PROVIDE TEMPORARY SOIL COVER IF NECESSARY.

NON-STORM WATER DISCHARGES

1. NON-STORM WATER DISCHARGES INCLUDE A WIDE VARIETY OF SOURCES, INCLUDING IMPROPER DUMPING, SPILLS, OR LEAKAGE FROM STORAGE TANKS OR TRANSFER AREAS. NON-STORM WATER DISCHARGES MAY CONTRIBUTE SIGNIFICANT POLLUTANT LOADS TO RECEIVING WATERS, AND AS SUCH ARE PROHIBITED.
2. MEASURES TO CONTROL SPILLS, LEAKAGE, AND DUMPING, AND TO PREVENT ILLICIT CONNECTIONS DURING CONSTRUCTION, MUST BE TAKEN.
3. HOWEVER, CERTAIN NON-STORM WATER DISCHARGES MAY BE AUTHORIZED FOR THE COMPLETION OF CONSTRUCTION. AUTHORIZED NON-STORM WATER DISCHARGES MAY INCLUDE THOSE FROM DECHLORINATED POTABLE WATER SOURCES SUCH AS:
- FIRE HYDRANT FLUSHING,
 - IRRIGATION OF VEGETATIVE EROSION CONTROL MEASURES,
 - PIPE FLUSHING AND TESTING,
 - WATER TO CONTROL DUST,
 - UNCONTAMINATED GROUND WATER FROM DEWATERING,
 - OTHER DISCHARGES NOT SUBJECT TO A SEPARATE GENERAL NPDES PERMIT ADOPTED BY A REGIONAL WATER BOARD.
4. THE DISCHARGE OF NON-STORM WATER IS AUTHORIZED UNDER THE FOLLOWING CONDITIONS:
- THE DISCHARGE DOES NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF ANY WATER QUALITY STANDARD
 - THE DISCHARGE DOES NOT VIOLATE ANY OTHER PROVISION OF THE GENERAL PERMIT
 - THE DISCHARGE IS NOT PROHIBITED BY THE APPLICABLE BASIN PLAN
 - THE DISCHARGER HAS INCLUDED AND IMPLEMENTED SPECIFIC BMPs REQUIRED BY THE GENERAL PERMIT TO PREVENT OR REDUCE THE CONTACT OF THE NONSTORM WATER DISCHARGE WITH CONSTRUCTION MATERIALS OR EQUIPMENT
 - THE DISCHARGE DOES NOT CONTAIN TOXIC CONSTITUENTS IN TOXIC AMOUNTS OR (OTHER) SIGNIFICANT QUANTITIES OF POLLUTANTS
 - THE DISCHARGE IS MONITORED
5. IF ANY OF THE ABOVE CONDITIONS ARE NOT SATISFIED, THE DISCHARGE IS NOT AUTHORIZED.

EMPLOYEE TRAINING

1. STORM WATER POLLUTION PREVENTION TRAINING SHALL BE PROVIDED AT THE BEGINNING OF CONSTRUCTION AND REGULARLY DURING CONSTRUCTION FOR ALL EMPLOYEES WORKING ON THE JOB SITE. TRAINING SHALL BE PROVIDED BY THE CONTRACTOR'S WATER POLLUTION CONTROL MANAGER. TOPICS SHALL INCLUDE, BUT ARE NOT LIMITED TO:
- SPILL PREVENTION AND RESPONSE;
 - LOCATIONS AND FUNCTIONS OF SEDIMENT/EROSION CONTROL DEVICES;
 - GOOD HOUSEKEEPING;
 - FINES AND PENALTIES;
 - MATERIAL MANAGEMENT PRACTICES.

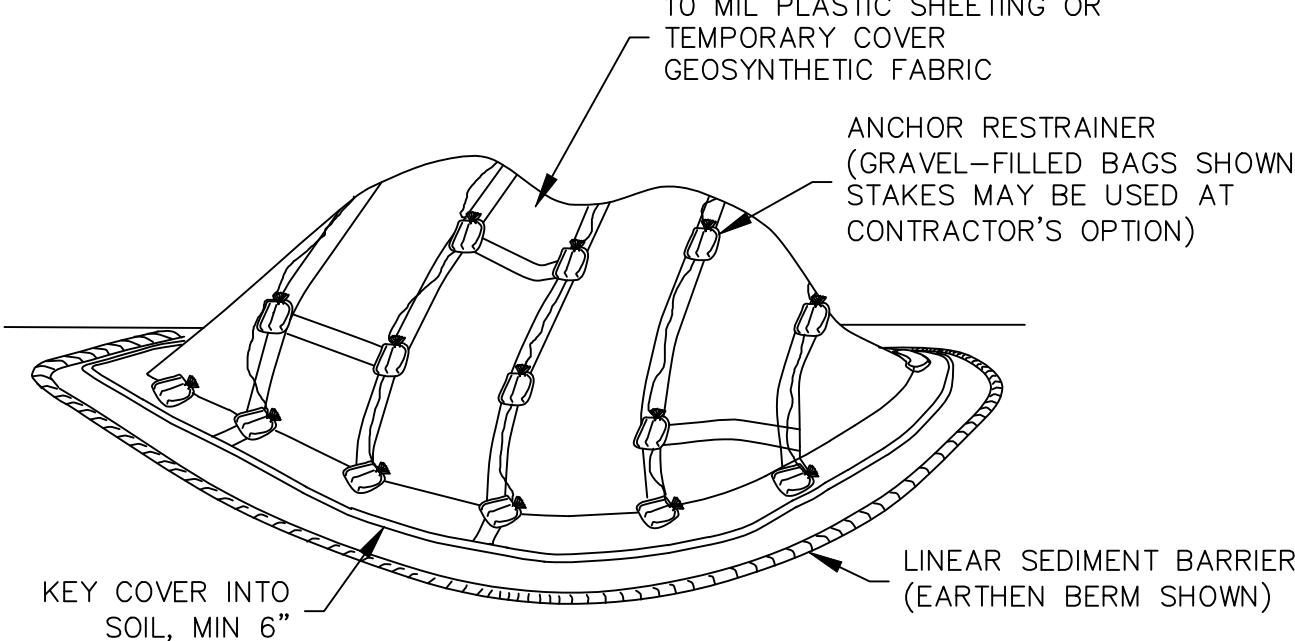


NOTES:

1. THE DOWNSTREAM END OF THE SILT FENCE SHALL HAVE THE LAST 8' ANGLED UP SLOPE TO PREVENT WATER FROM RUNNING AROUND THE END OF THE SILT FENCE
2. JOINT SECTIONS SHALL NOT BE PLACED AT SUMP LOCATIONS

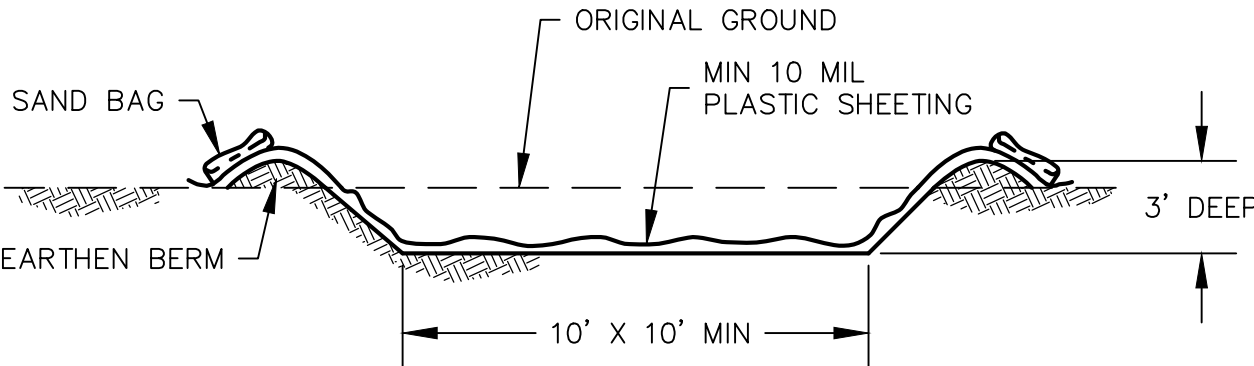
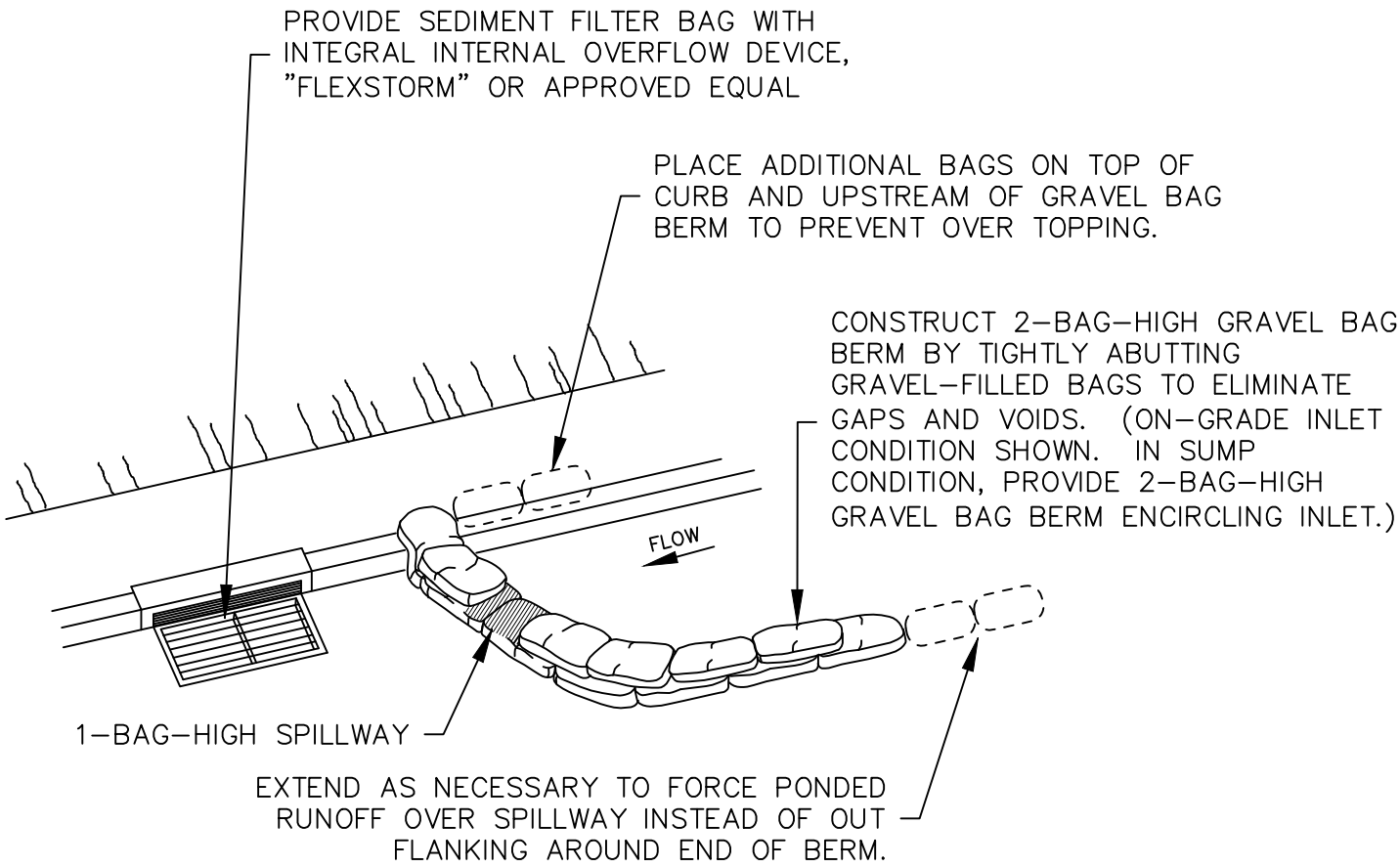
SE-1 TEMPORARY SILT FENCE

SCALE: NONE



WM-3 TEMPORARY COVER ON STOCKPILE

SCALE: NONE

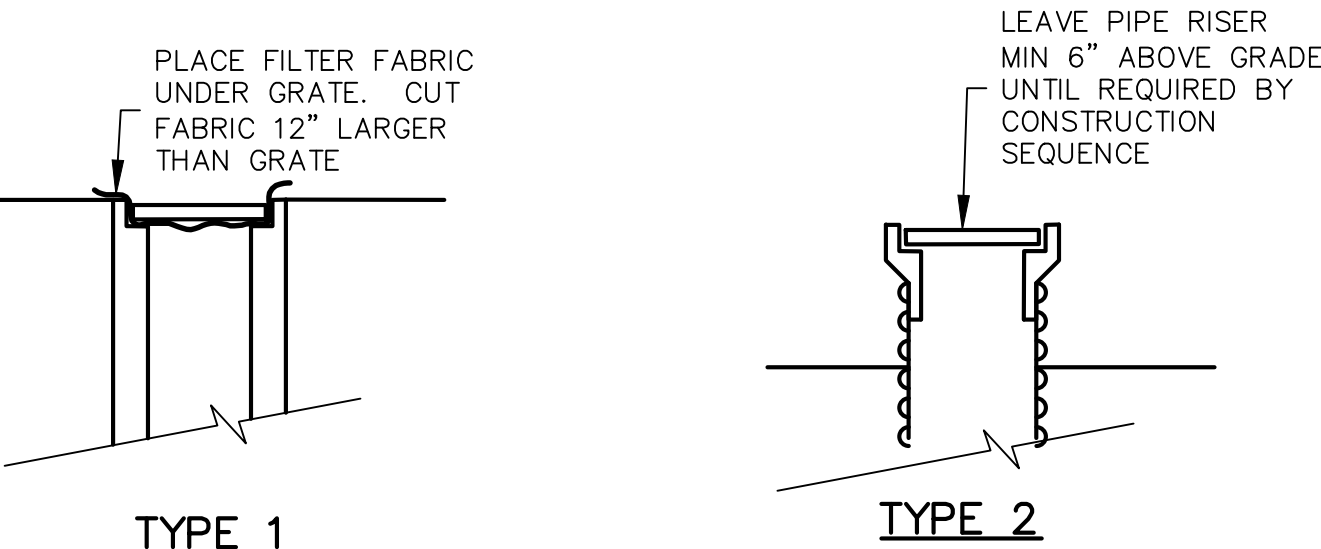


NOTES:

1. AT CONTRACTOR'S OPTION, AN EQUIVALENT 10' X 10' X 2'-DEEP ABOVE-GRADE WASHOUT MAY BE CONSTRUCTED USING LUMBER OR HAY BALES.

WM-8 TEMPORARY CONCRETE WASHOUT FACILITY

SCALE: NONE

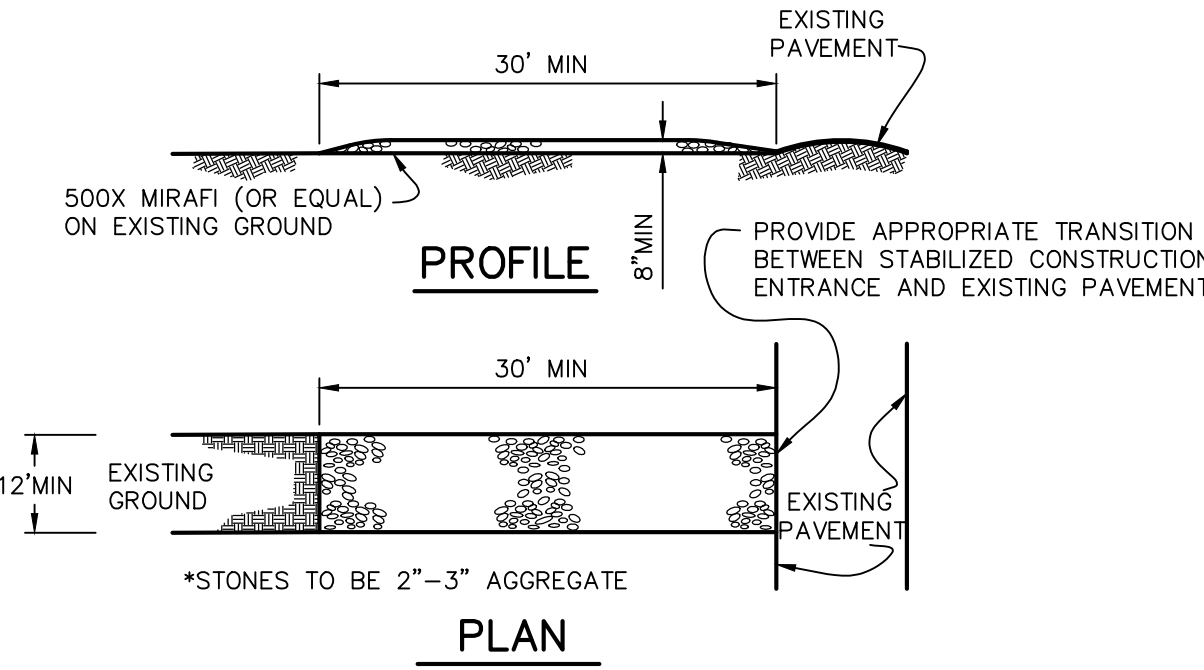


NOTES:

1. PROVIDE TYPE 1 INLET PROTECTION AT ALL INLETS IF OTHER TYPE NOT PROVIDED.
2. TYPE 2 INLET PROTECTION MAY BE PROVIDED IN LIEU OF TYPE 1 AT CONTRACTOR'S OPTION.
3. TYPE 3 INLET PROTECTION SHALL BE PROVIDED FOR ALL EXISTING AND PROPOSED PUBLIC STORM DRAIN INLETS, AND ANY PRIVATE INLETS WHICH ARE TO REMAIN IN SERVICE DURING CONSTRUCTION.

SE-10 STORM DRAIN INLET PROTECTION

SCALE: NONE



MAINTENANCE

- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT ANY MEASURES USED TO TRAP SEDIMENT.
- ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY.
- WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. THIS SHALL BE DONE AT AN AREA STABILIZED WITH CRUSHED STONE, WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TC-1 STABILIZED CONSTRUCTION ENTRANCE

SCALE: NONE

REVISES:		DATE:		BY:		DESCRIPTION:	
NO.							
DATE: 4/6/18		SCALE: NTS		ENGR: KCL		JOB NO.: 3242.00	
REGISTERED PROFESSIONAL ENGINEER		P. W. WEBER		No. 5529		CIVIL	
LAGUNA SECA		MONTEREY COUNTY		CALIFORNIA		SHEET	
START - FINISH BRIDGE		TEMPORARY WATER POLLUTION CONTROL NOTES AND DETAILS		C3.2		OF	

STRUCTURAL NOTES

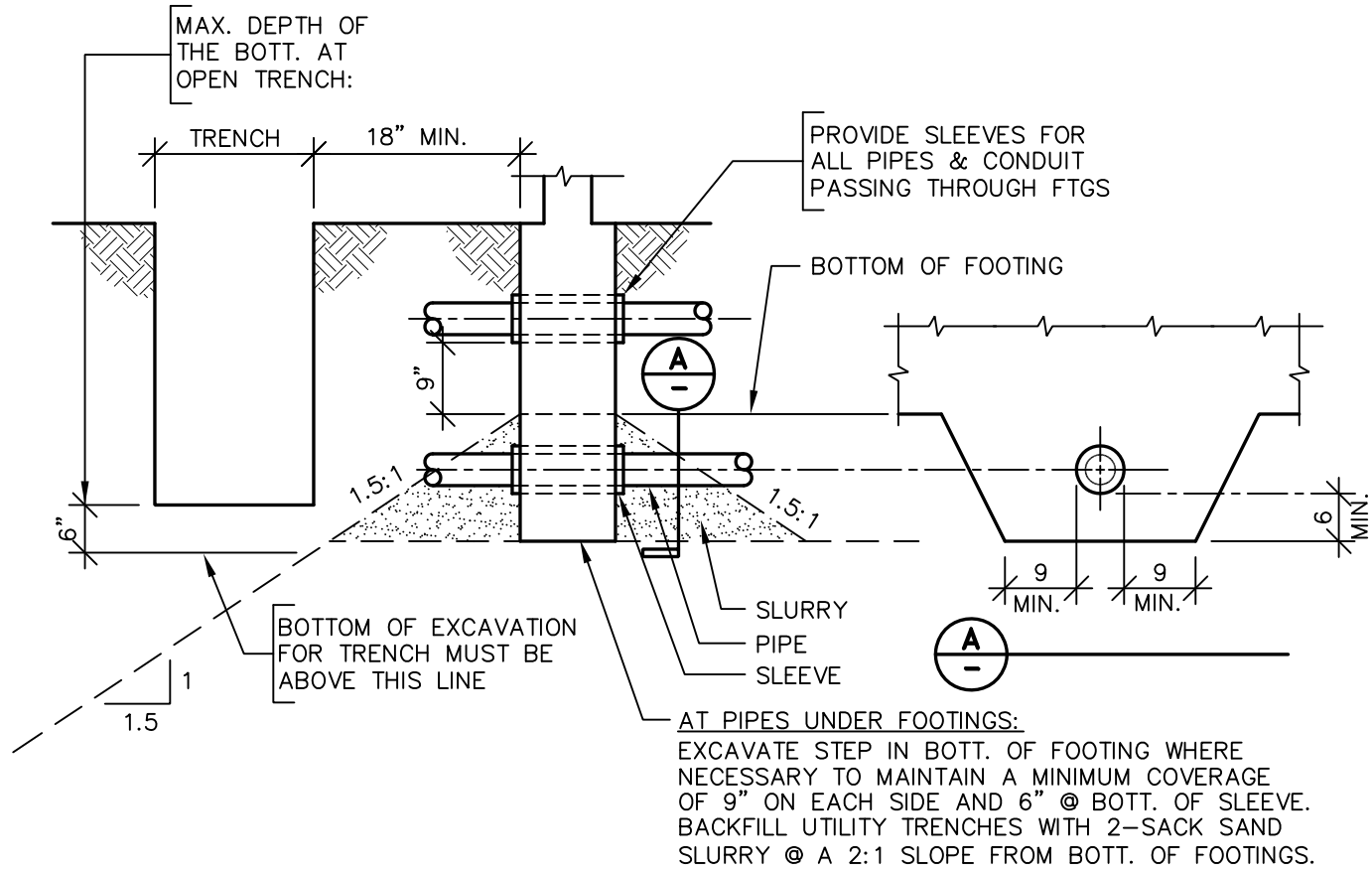
1. ALL CONSTRUCTION not specifically detailed shall conform to the requirements of the 2016 California Building Code (CBC) and any local code requirements. All details, sections and notes shown on the drawings are intended to be typical and shall apply to similar situations elsewhere unless otherwise noted.
2. CHECK ALL DIMENSIONS in relation to site conditions before starting work. The contractor shall coordinate work of all trades. All discrepancies shall be called to the attention of the engineer and resolved before proceeding with work. During construction phase the contractor is responsible for the safety of the building and personnel. Provide adequate shoring and/or bracing in accordance with appropriate Local, State and National safety codes.
3. FOOTINGS shall be as detailed on the drawings. The foundation design is based upon the values provided by Grice Engineering and Geology Inc. report #6453-15.05 dated June 30, 2015. The footings have been designed for an allowable soil bearing pressure of 2,000 PSF DL & 2,700 PSF DL+LL) plus one third increase for wind and seismic loads. Footings shall bear 18" min. into firm undisturbed original soil or engineered fill.
4. REINFORCING BARS shall be deformed bars conforming to ASTM standard specification A615-68 Grade 60. #4 and smaller bars may be Grade 40. Bars shall be placed in as long lengths as possible and shall lap 40 diameter at splices in Concrete (72 diameter at splices in Concrete Masonry per CBC 2108.2) unless otherwise shown or noted on plans. Splices shall be staggered and bars may be wired together at splices. All steel shall be rigidly held in place with approved metal devices.
Bar coverage (face of bar to face of concrete) shall be as follows:
Concrete slab on grade 1'-1/2" min.
Concrete surface against earth 3" min.
When poured against forms 2" min.
All others..... see details.
5. ANCHOR RODS, for anchorage of steel frame systems, shall be ASTM A36 (Grade 36) Threaded Rod; or ASTM 1554 (Grade 36) Anchor Rods with threaded ends as preferred by contractor (See Table 2-6; AISC 14th Edition). The embedded end shall be installed with bearing plates & double jamb nuts as indicated in the drawings. Anchor Rods shall be rigidly held in place during concrete pour.
6. EPOXY ANCHORS shall be HILTI HIT-RE 500 V3 (ICC Report #ESR-3814) with F1554 Gr. 36 Threaded Rods. Epoxy anchors shall be installed per manufacturer's specifications; special inspection is required per Chapter 17 of the 2016 CBC & above referenced ICC reports.
7. STRUCTURAL AND MISCELLANEOUS STEEL shall be in accordance with AISC "Specification for the Fabrication and Erection of Structural Steel for Buildings". Wide flanges shall be 50 ksi ASTM A-992; Channels, angles and other miscellaneous steel shapes shall be 36 ksi ASTM A-36; Steel tubes shall be "HSS" ASTM A-500 grade B unless otherwise noted on the plans. All bolt holes shall be punched or drilled (burning of holes is not permitted). All structural steel shall have one coat of shop primer & at least one final coat with type & color per Architects or owners specification.
8. WELDING shall comply with the pertinent recommendations of the American Welding Society (AWS). Qualify welding processes and welding operators in accordance with AWS "Standard Qualification Procedures". Electrodes shall be E-70 series and shall conform with AISC specifications.
9. LIGHT-GAUGE STEEL shall be of the shape, dimensions and gauge as indicated on the plans and specifications.

DESIGN LOADS

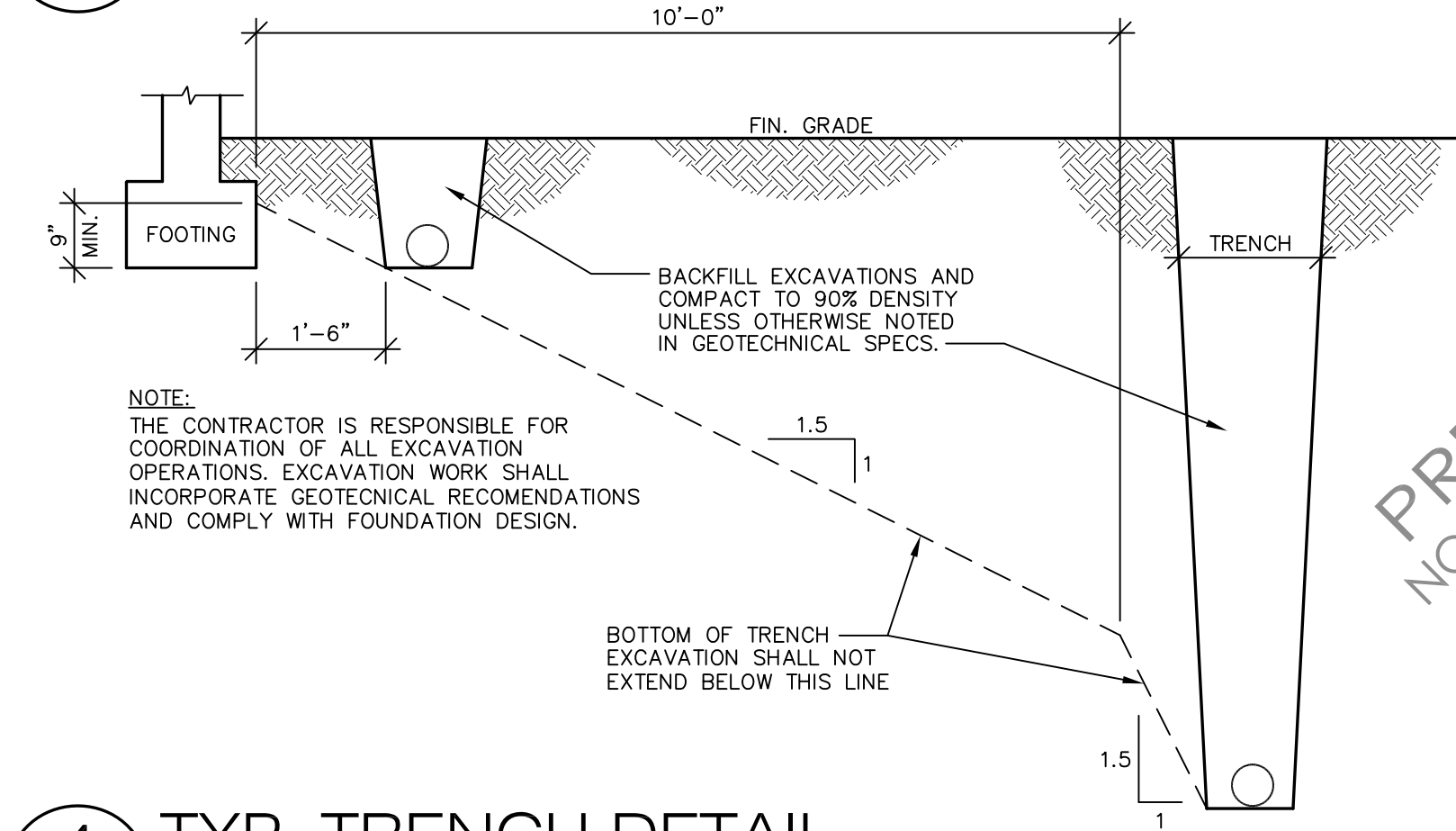
SCOPE: CONSTRUCTION OF NEW PEDESTRIAN BRIDGE AND ACCESS RAMPS	
SECTION 1604.5 & TABLE 1604.5: RISK CATEGORY	II
SECTION 1606 — DEAD LOADS	
PEDESTRIAN BRIDGE	
ROOF	8 PSF
WALLS	6 PSF
FLOOR DECK	10 PSF
RAMP STRUCTURE	
RAMP DECK	10 PSF
WALLS	3 PSF
STAIR LOAD	72 PSF
SECTION 1607 — LIVE LOADS	
ROOF LIVE LOAD	20 PSF
FLOOR LIVE LOAD — PEDESTRIAN BRIDGE	90 PSF
FLOOR LIVE LOAD — RAMP STRUCTURE	100 PSF
SECTION 1608 — SNOW LOAD	
N/A	
SECTION 1609 — WIND DESIGN DATA	
BASIC WIND SPEED	110 PMH
WIND EXPOSURE	C
SECTION 1613 — EARTHQUAKE DESIGN DATA	
LATITUDE	36.58623°N
LONGITUDE	121.75678°W
SITE CLASS	D
SPECTRAL RESPONSE @ 0.2 SEC PERIOD, S _s	1.441
SPECTRAL RESPONSE @ 1.0 SEC PERIOD, S ₁	0.517
SHORT PERIOD SITE COEFFICIENT @ 0.2 SEC PERIOD, F _a	1.00
LONG PERIOD SITE COEFFICIENT @ 1.0 SEC PERIOD, F _v	1.50
MODIFIED SPECTRAL RESPONSE @ 0.2 SEC PERIOD, S _{ms}	1.441
MODIFIED SPECTRAL RESPONSE @ 1.0 SEC PERIOD, S _{m1}	0.776
DESIGN SPECTRAL RESPONSE COEFFICIENTS, S _{DS}	0.961
S ₁	0.517
CHAPTER 12: EQUIVALENT LATERAL FORCE PROCEDURE (ASCE7-10 SECTION 12.8.1)	
SEISMIC IMPORTANCE FACTOR, I _e	1.0
SEISMIC DESIGN CATEGORY	D
BASIC SEISMIC FORCE RESISTING SYSTEM	SOCBF,
RESPONSE MODIFICATION FACTOR, R	3.25,
SEISMIC RESPONSE COEFFICIENT, C _s	0.296,
DESIGN BASE SHEAR	V= C _s W

SPECIAL TESTS & INSPECTION SCHEDULE

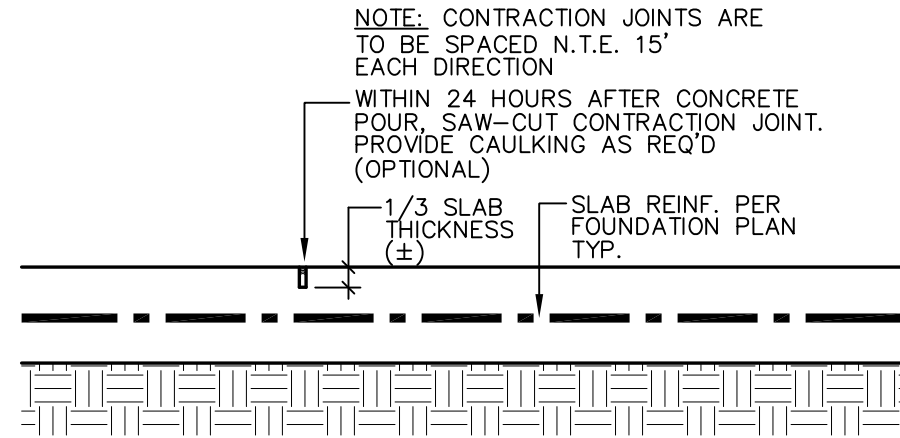
THE FOLLOWING ITEMS SHALL BE INSPECTED. "SPECIAL INSPECTION" SHALL CONFORM TO 2016 CBC 1705. SPECIAL INSPECTION AGENCIES AND/OR INDIVIDUALS SHALL BE RETAINED BY THE OWNER AND APPROVED BY THE BUILDING OFFICIAL PRIOR TO ANY WORK. FOR MATERIAL TESTING REQUIREMENTS, SEE SPECIFICATIONS AND/OR GENERAL NOTES. TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE BUILDING OFFICIAL AND ENGINEER.		
ITEM	REQD	REMARKS
SUBGRADE PREPARATION	1	BY SOILS ENGINEER (PER SECTION 1705.6 & TABLE 1705.6)
FOUNDATION EXCAVATIONS	1	BY SOILS ENGINEER (PER SECTION 1705.6 & TABLE 1705.6)
MOISTURE CONDITIONING	1	BY SOILS ENGINEER (PER SECTION 1705.6 & TABLE 1705.6)
CONCRETE	YES	PER SECTION 1705.3 & TABLE 1705.3
REINF. PLACEMENT	YES	PER SECTION 1705.3 & TABLE 1705.3
SHOP WELDING & ID.	YES	PER SECTION 1705.2 & AISC 360-CHAPTER "N" (TABLES N5.4-1, 2, & 3)
FIELD WELDING & ID.	YES	PER SECTION 1705.2 & AISC 360-CHAPTER "N" (TABLES N5.4-1, 2, & 3)
HIGH STRENGTH BOLTS	YES	PER SECTION 1705.2 & AISC 360-CHAPTER "N" (TABLES N5.6-1, 2, & 3)
EPOXY (WHERE OCCURS)	PERIODIC	VISUAL — INSTALLATION PROCEDURES ONLY (PER SECTION 1705.1.1)
1. SOILS ENGINEER TO PROVIDE OBSERVATION DURING GRADING AND FOUNDATION PHASE OF CONSTRUCTION. OBSERVATION REPORTS TO BE MAILED DIRECTLY TO BUILDING DEPARTMENT.		



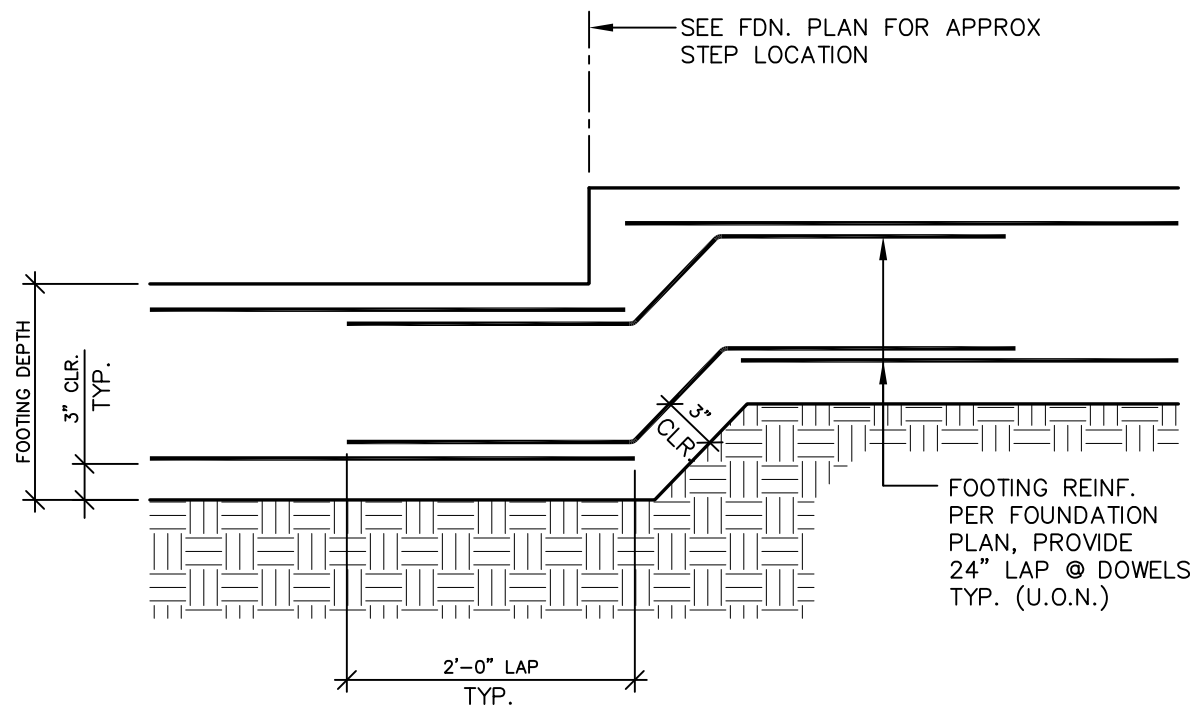
5 TYP. PIPES AT FOOTING
SCALE: 1/2" = 1'-0"



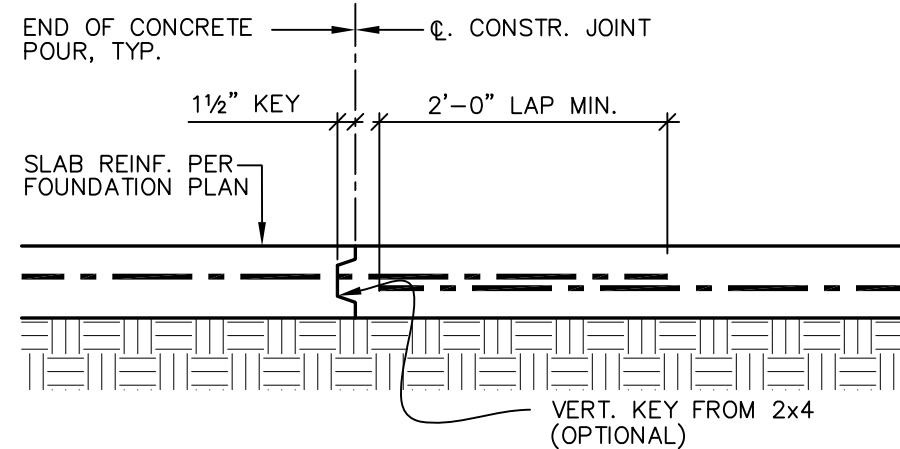
4 TYP. TRENCH DETAIL
SCALE: 1/2" = 1'-0"



2 TYPICAL CONTRACTION JOINT
SCALE: 3/4" = 1'-0"



6 STEPPED FOOTING
SCALE: 3/4" = 1'-0"

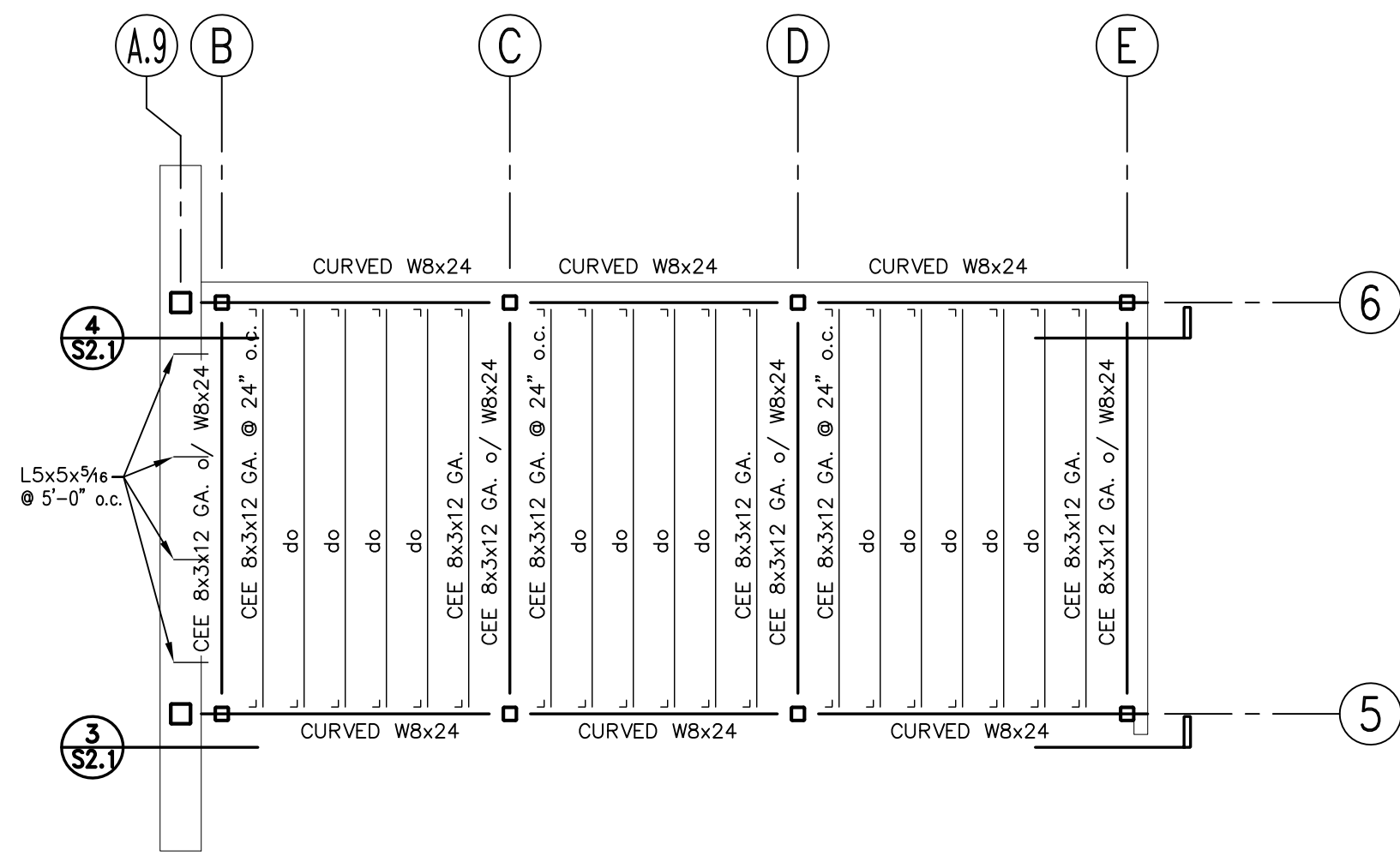


1 TYPICAL CONSTRUCTION JOINT
SCALE: 3/4" = 1'-0"

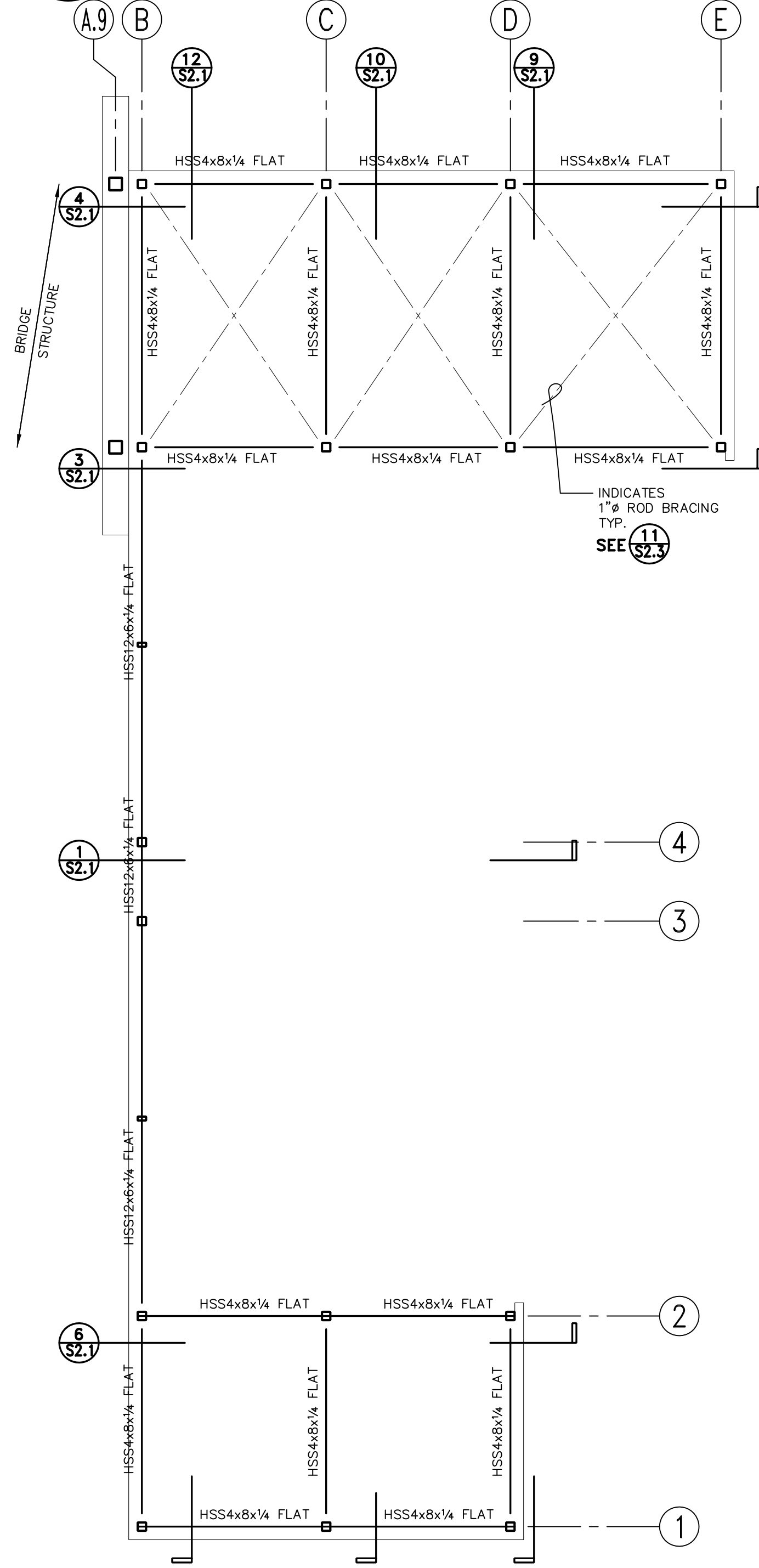
Pacific Engineering Group, Inc.
30 Ryan Court, Suite 200
Monterey, CA 93940
ph: (831) 333-0644
fax: (831) 333-0645

LAGUNA SECA
START-FINISH BRIDGE
COUNTY OF MONTEREY
STRUCTURAL NOTES AND TYPICAL DETAILS
1201 Monterey-Salinas Highway
Salinas, California

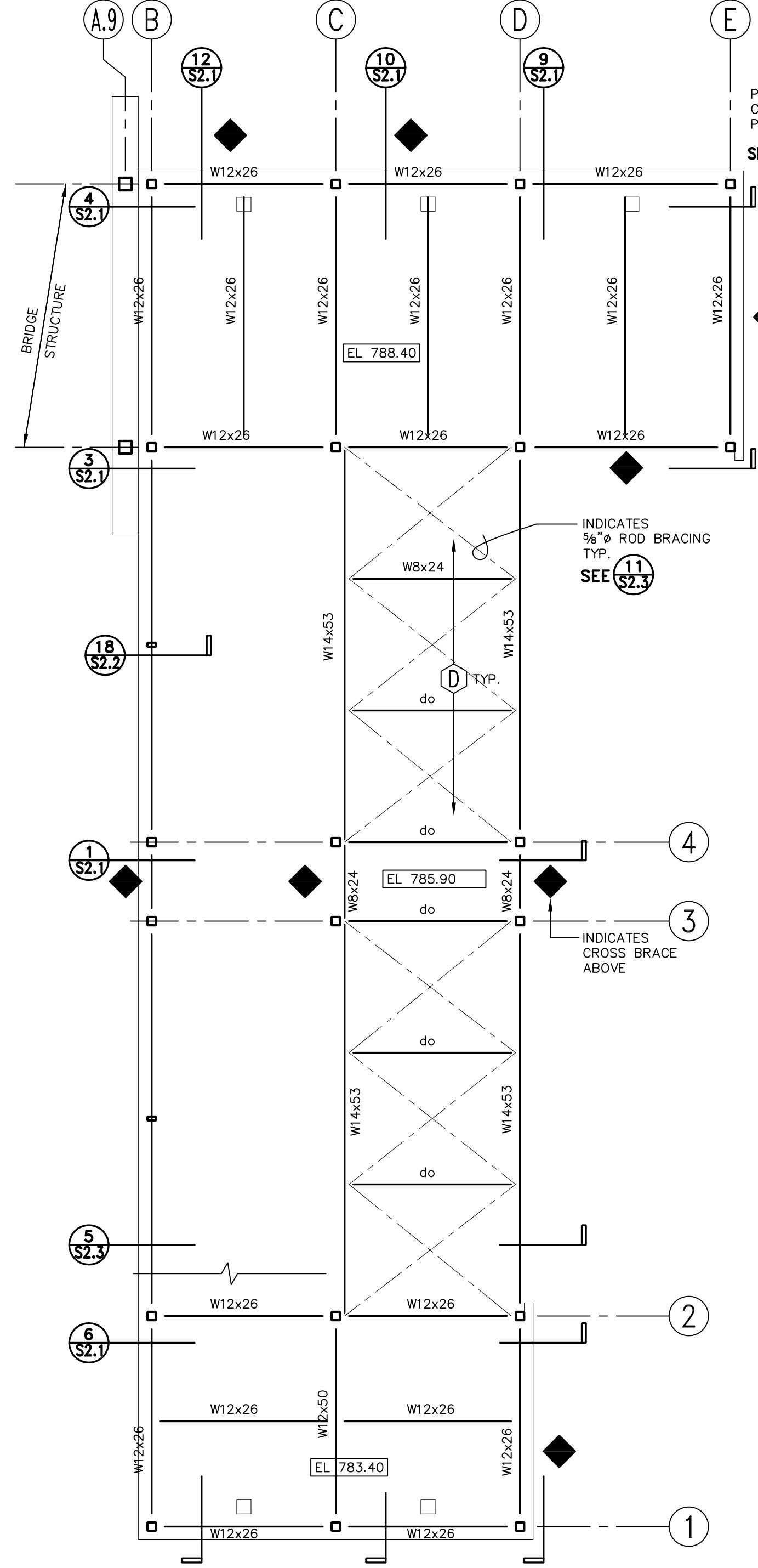
ACTION/REVISIONS:		BY
	04/06/2018	OK
SCALE		AS NOTED
DRAWN		CK/eb
JOB		17-060
SHEET		
S1.0		
OF		SHEETS



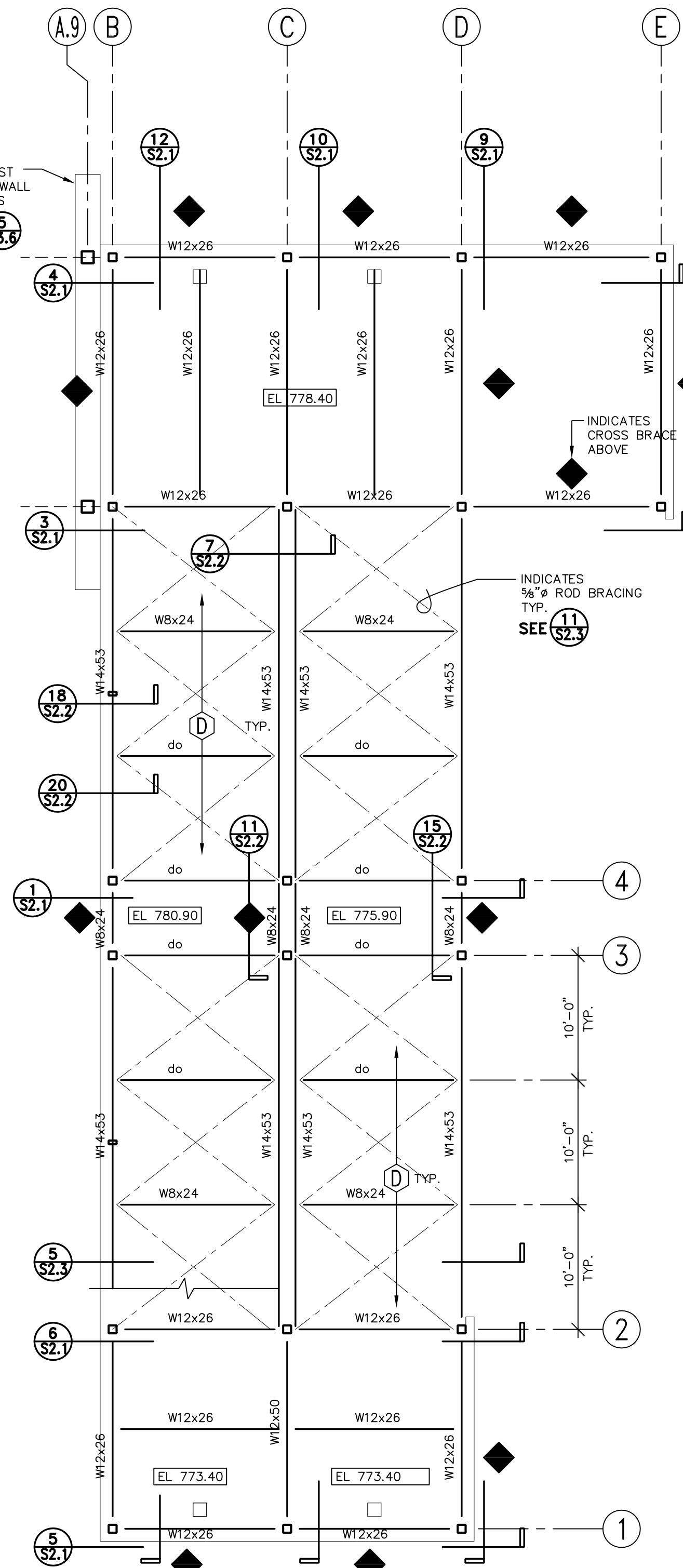
8 ROOF FRAMING PLAN
S2.0 SCALE: 1/8" = 1'-0"



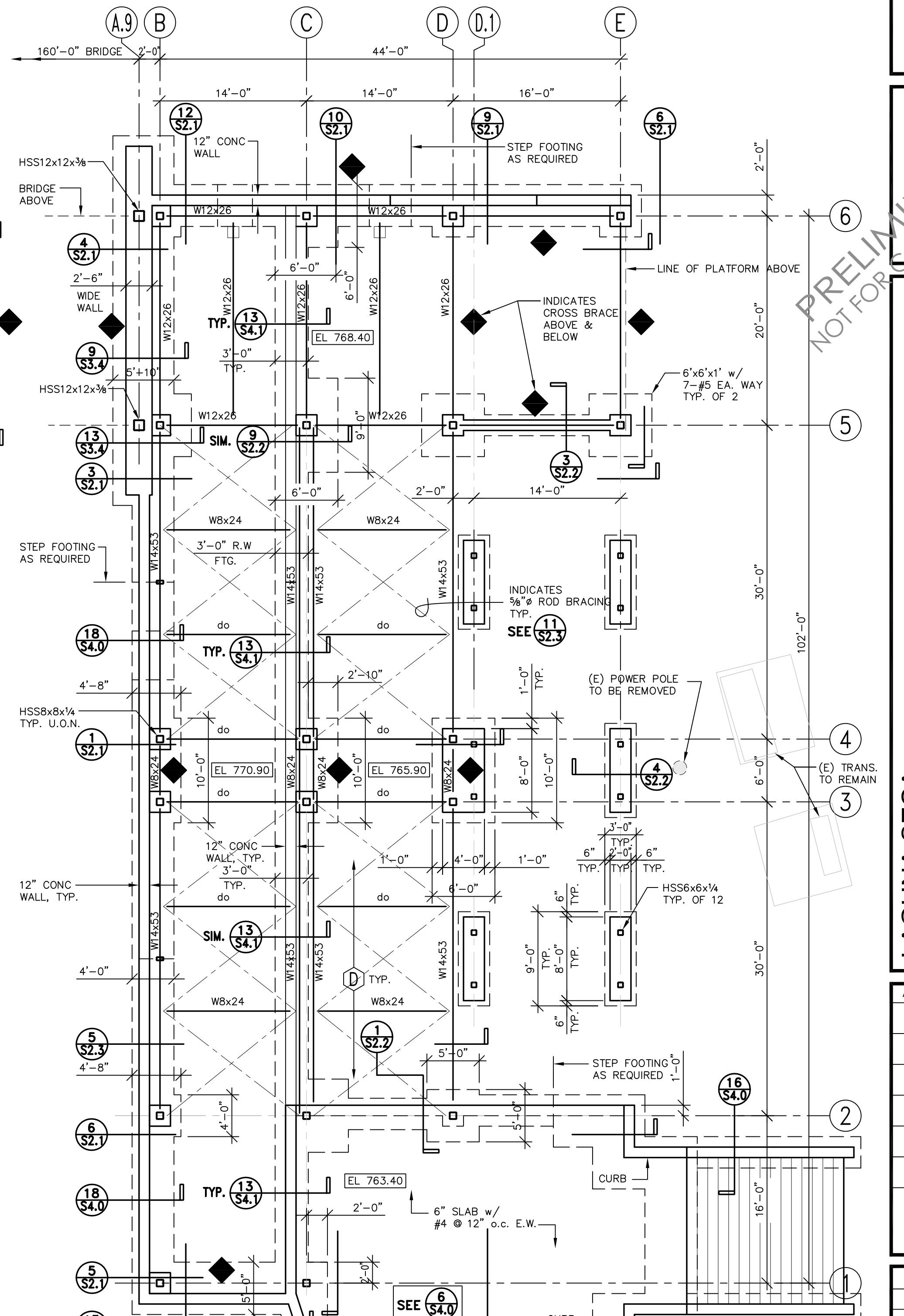
4 FRAMING PLAN
S2.0 SCALE: 1/8" = 1'-0"



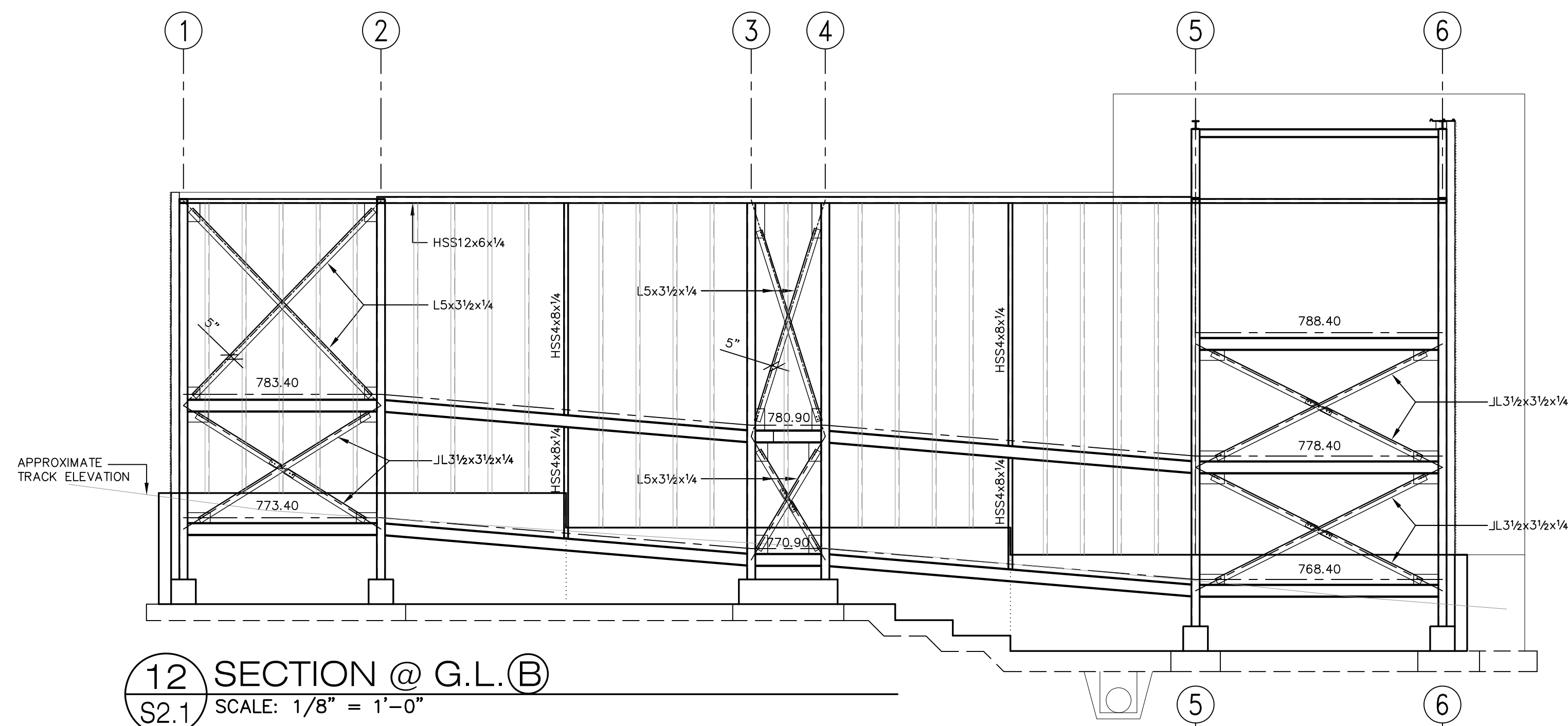
3 RAMP FRAMING PLAN
S2.0 SCALE: 1/8" = 1'-0"



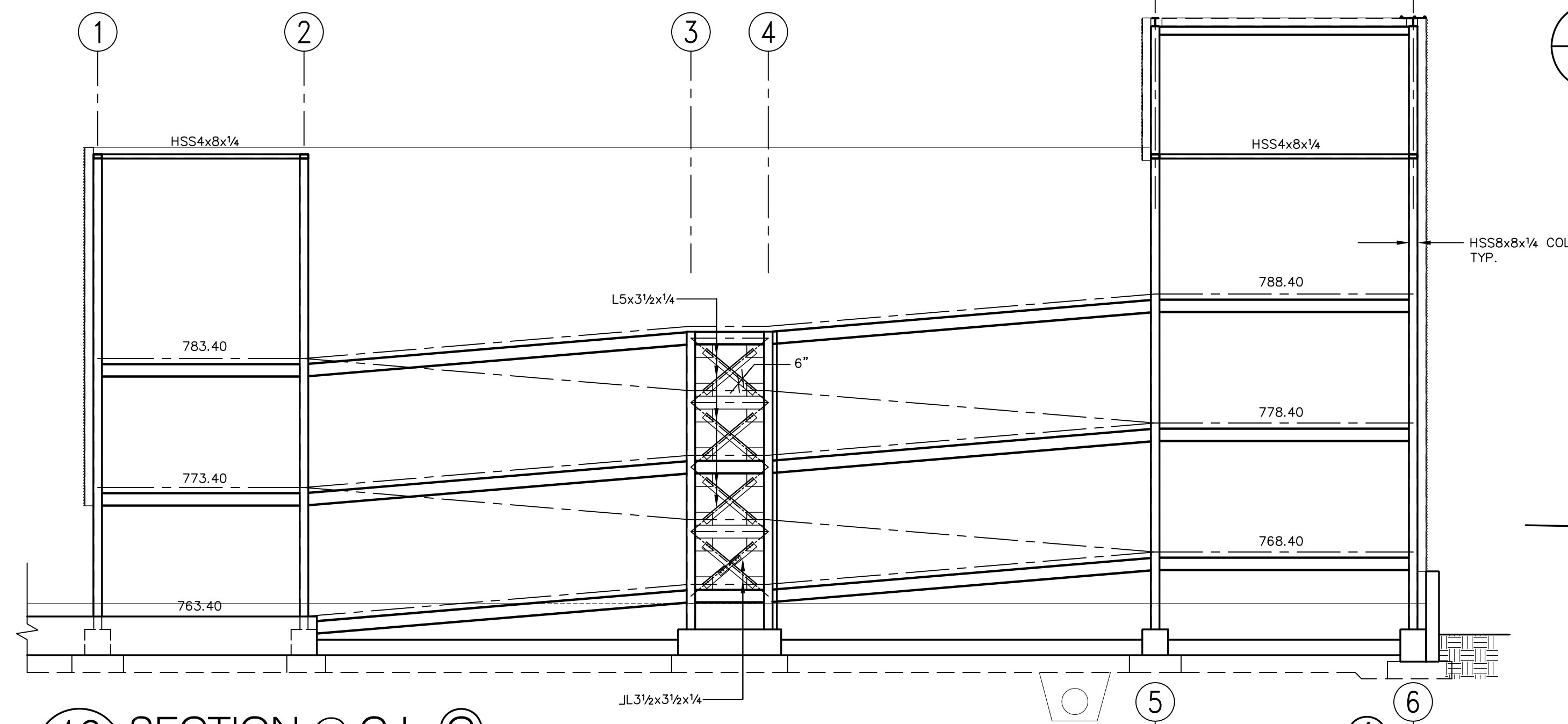
2 RAMP FRAMING PLAN
S2.0 SCALE: 1/8" = 1'-0"



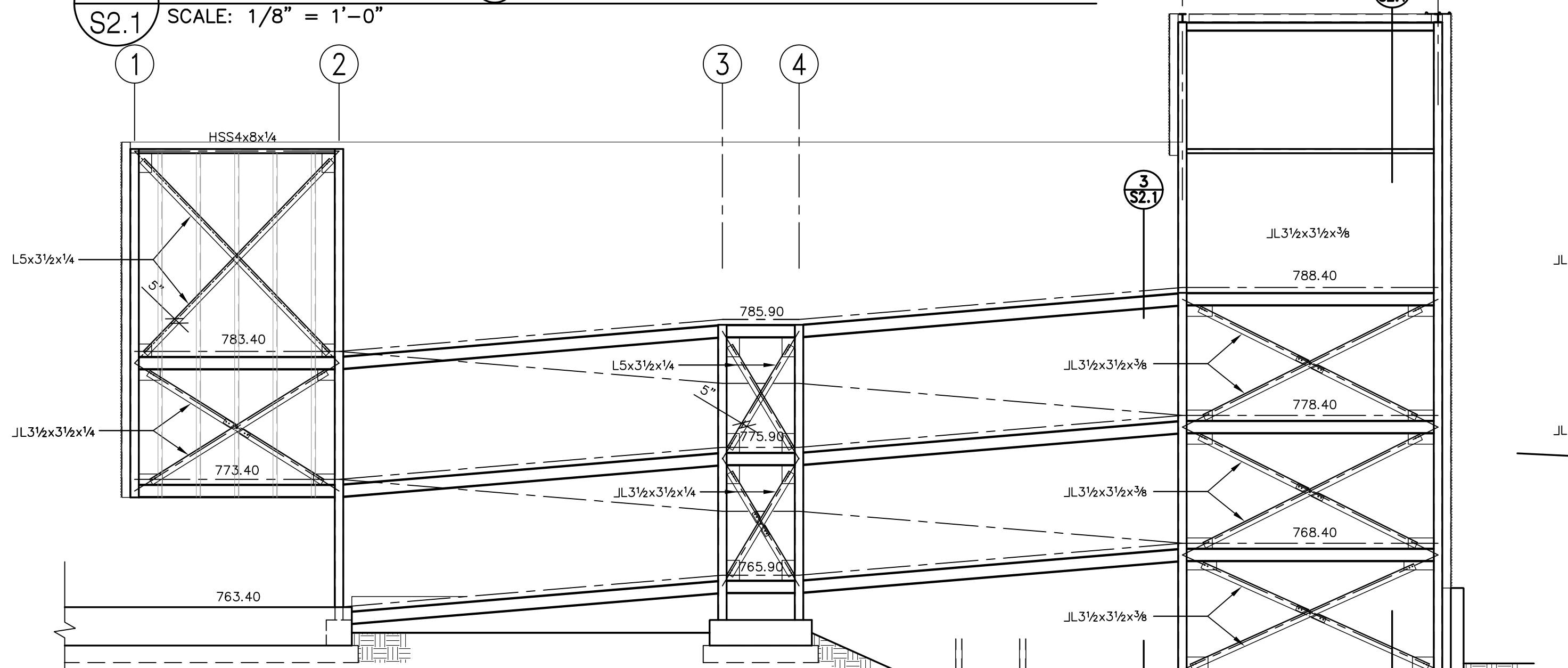
1 FOUNDATION AND FRAMING PLAN
S2.0 SCALE: 1/8" = 1'-0"



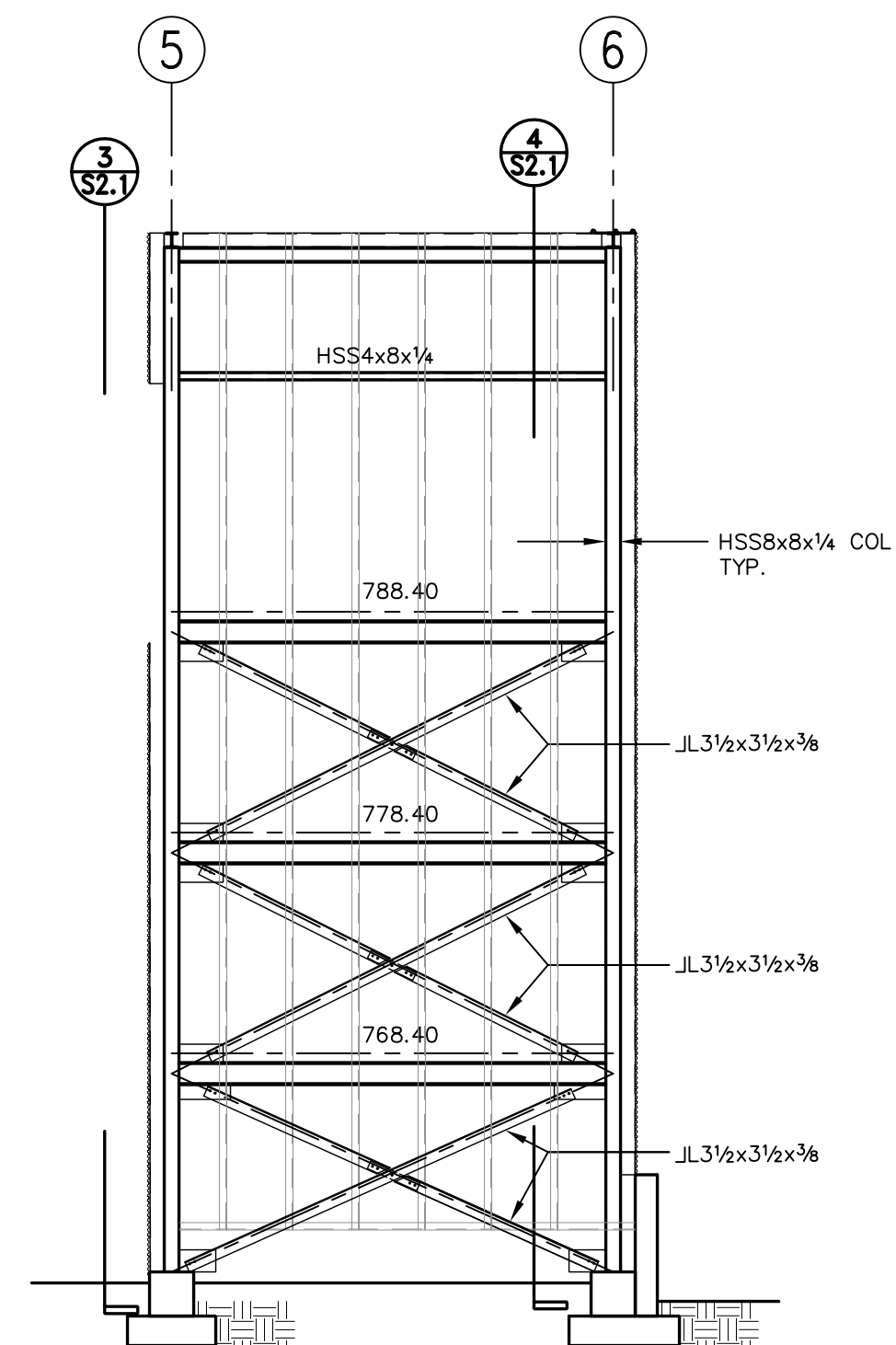
12 SECTION @ G.L. B
S2.1 SCALE: 1/8" = 1'-0"



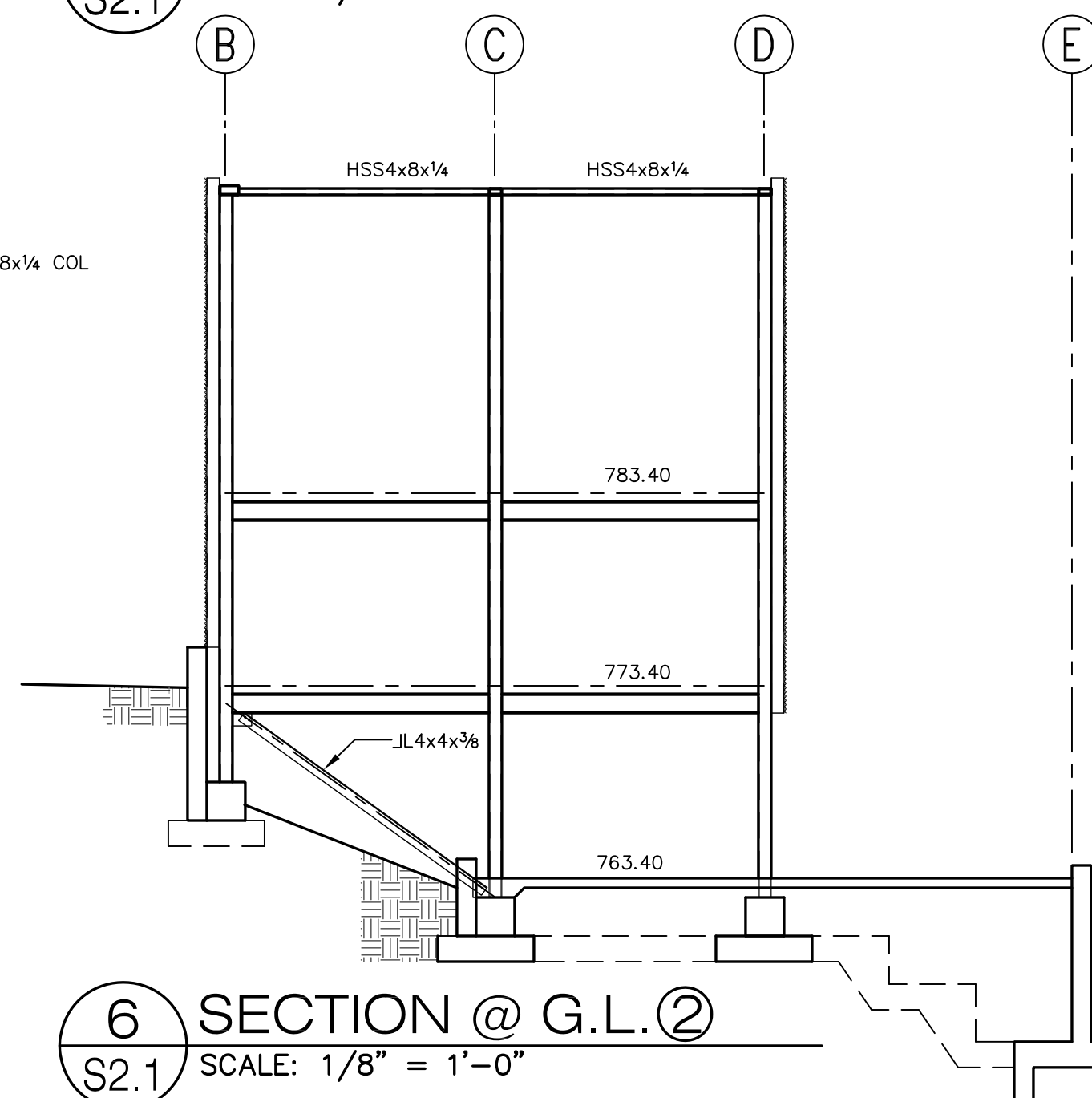
10 SECTION @ G.L. C
S2.1 SCALE: 1/8" = 1'-0"



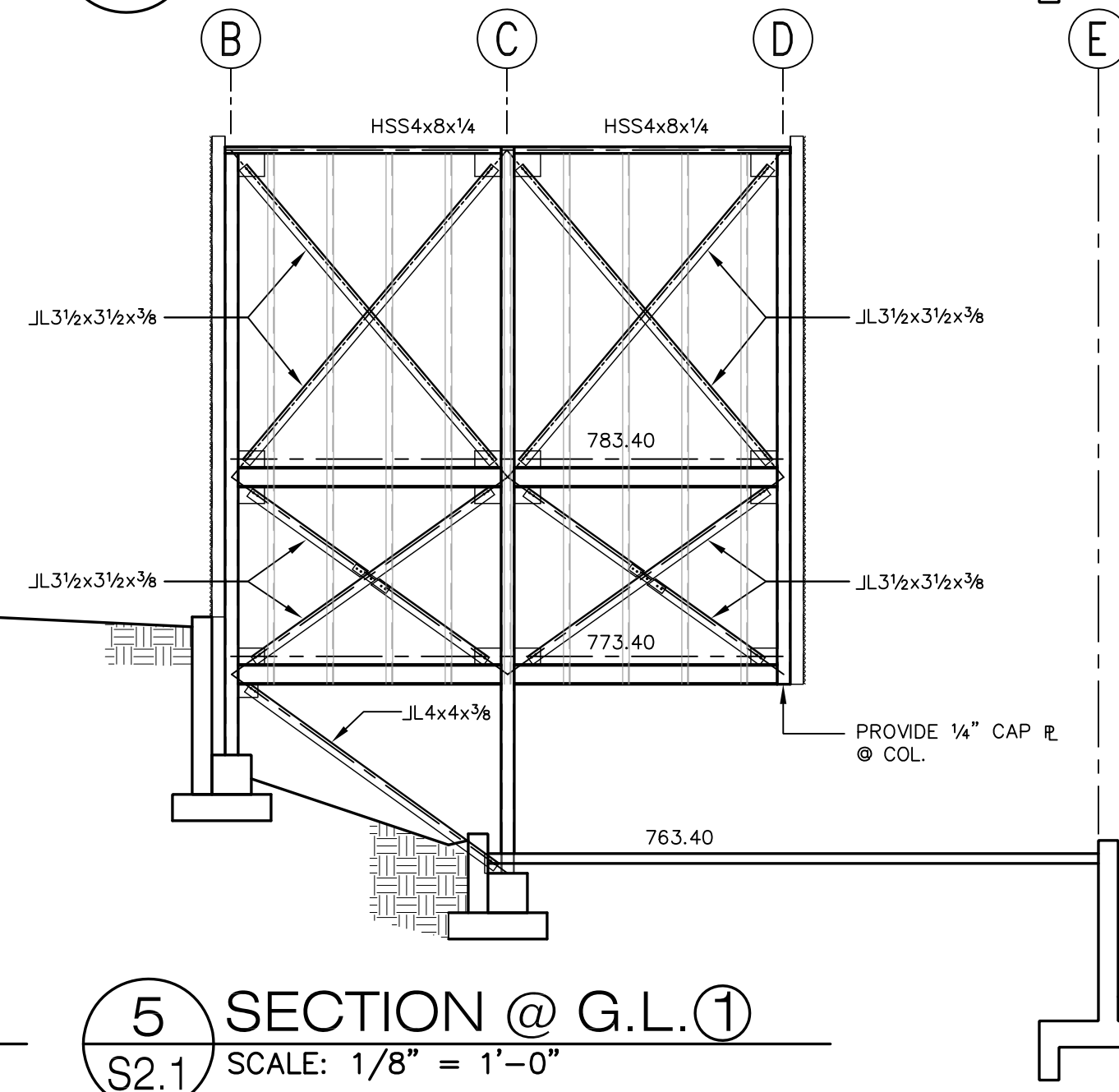
9 SECTION @ G.L. D
S2.1 SCALE: 1/8" = 1'-0"



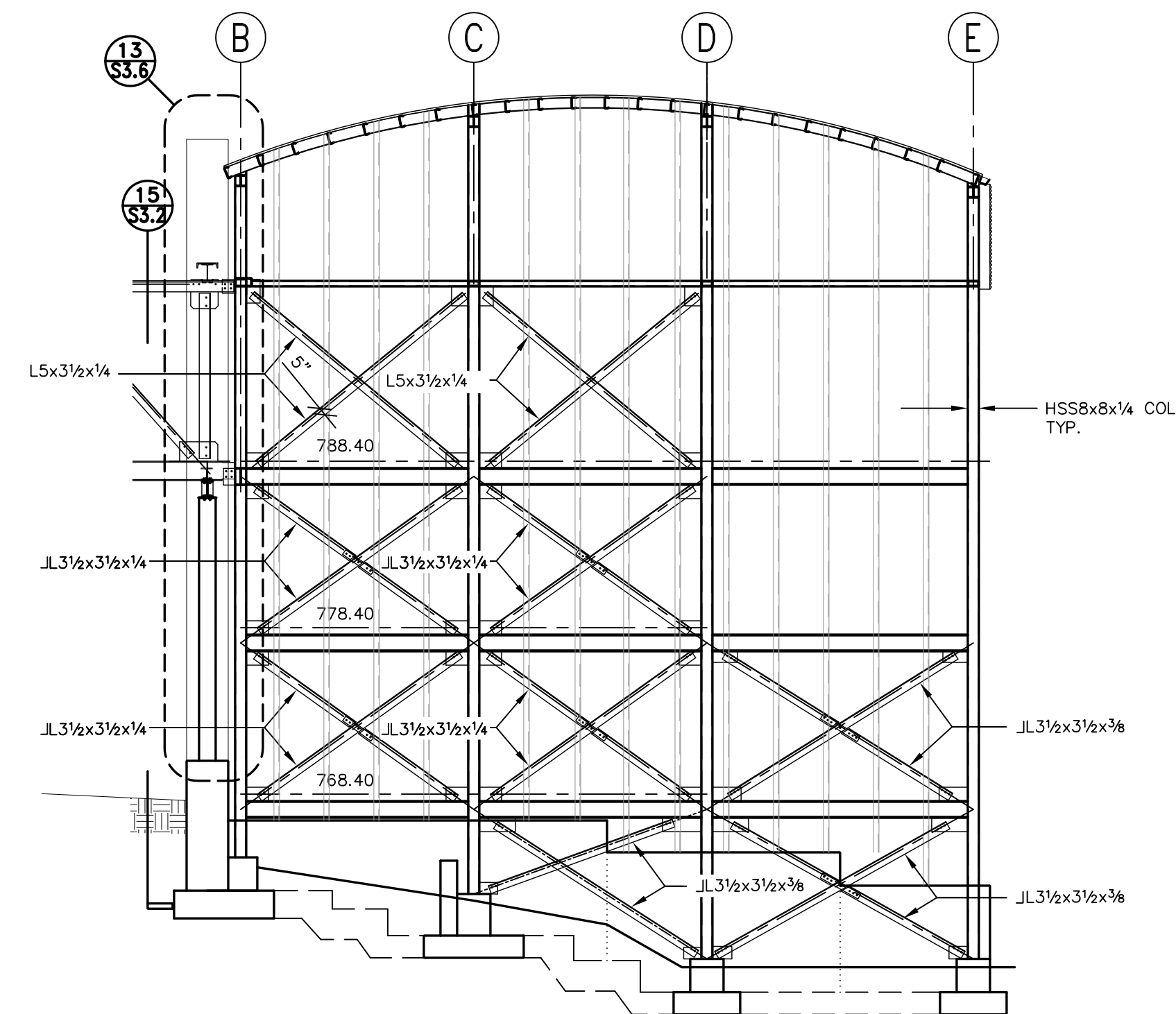
6 SECTION @ G.L. E
S2.1 SCALE: 1/8" = 1'-0"



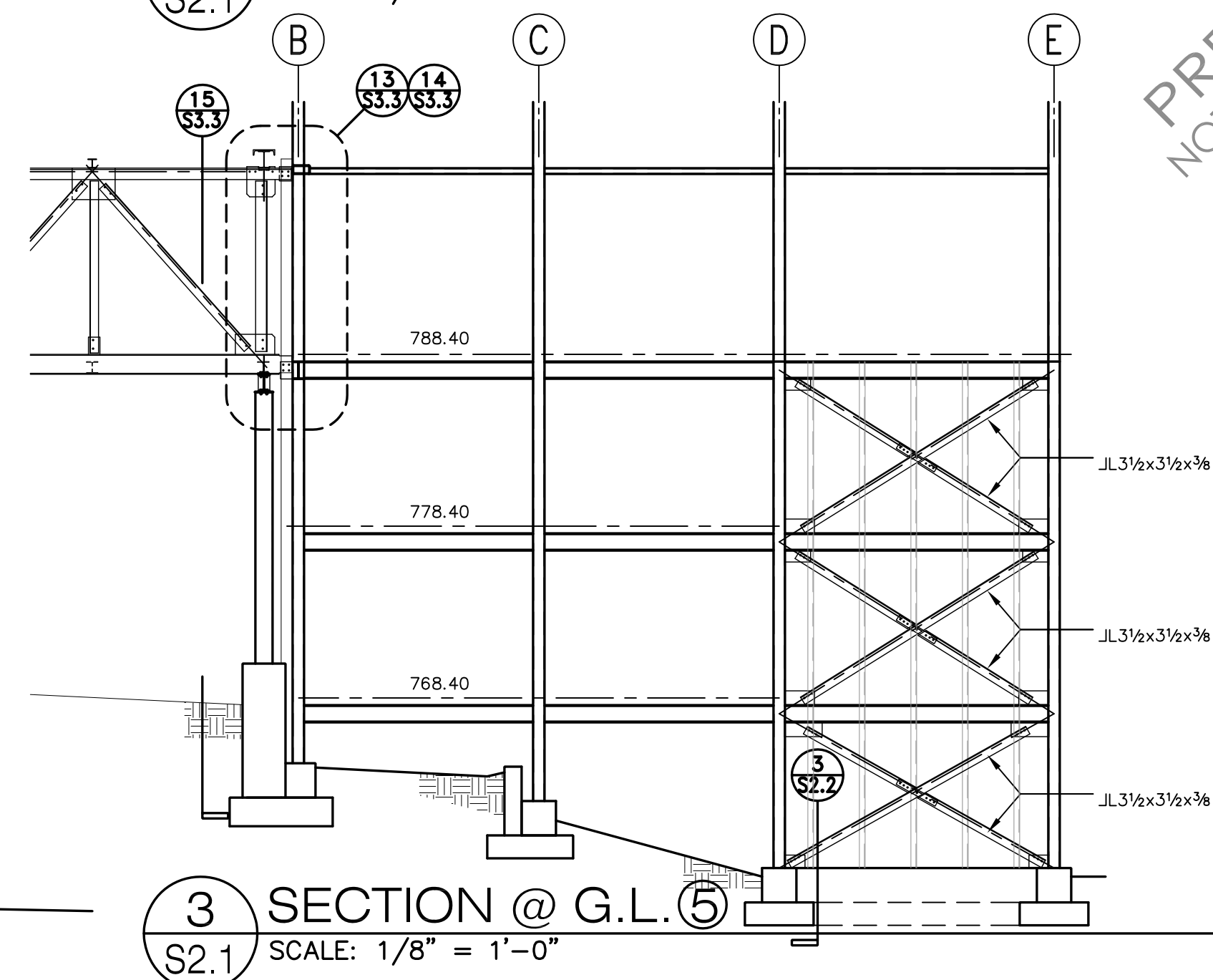
6 SECTION @ G.L. 2
S2.1 SCALE: 1/8" = 1'-0"



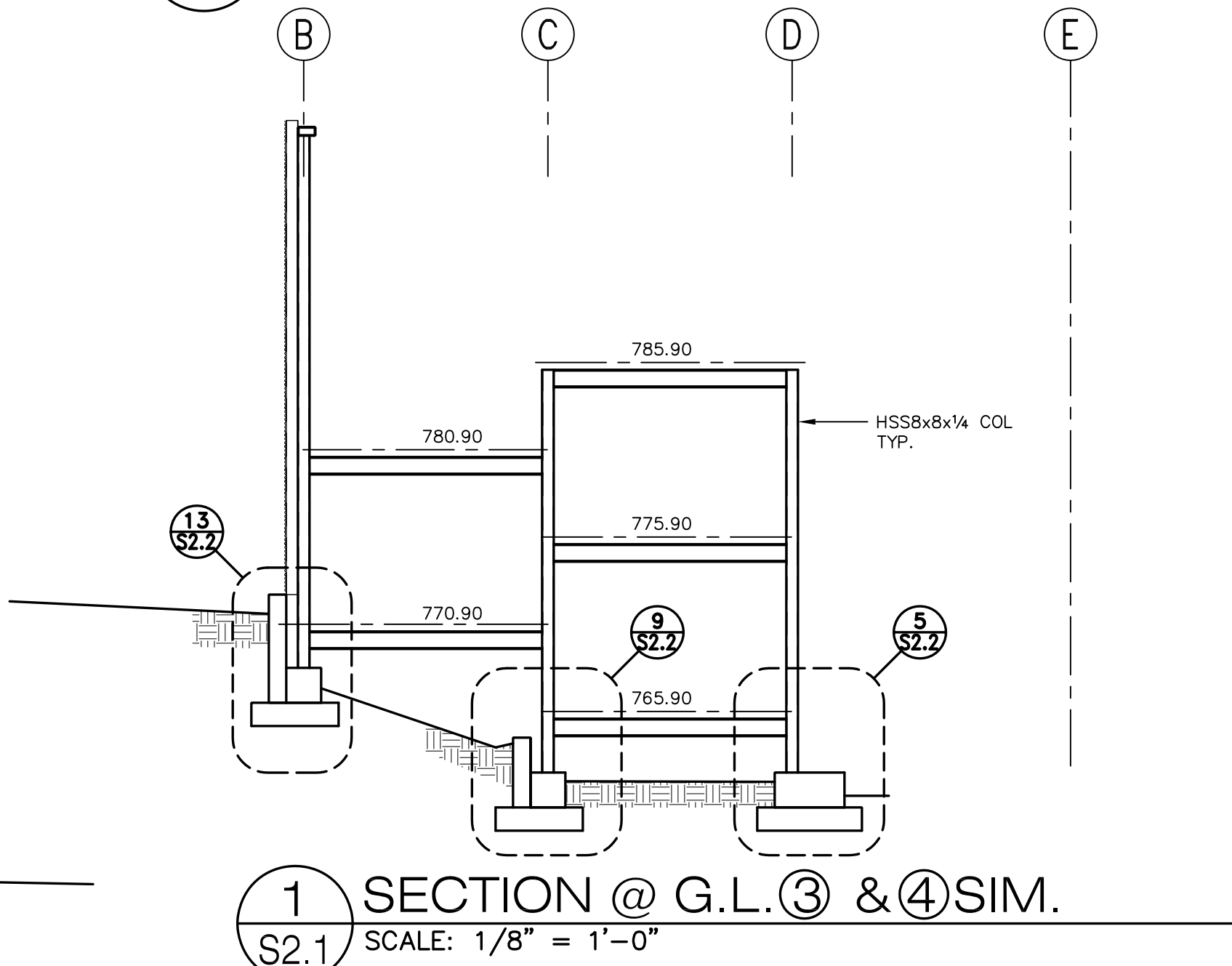
5 SECTION @ G.L. 1
S2.1 SCALE: 1/8" = 1'-0"



4 SECTION @ G.L. 6
S2.1 SCALE: 1/8" = 1'-0"



3 SECTION @ G.L. 5
S2.1 SCALE: 1/8" = 1'-0"



1 SECTION @ G.L. 3 & 4 SIM.
S2.1 SCALE: 1/8" = 1'-0"

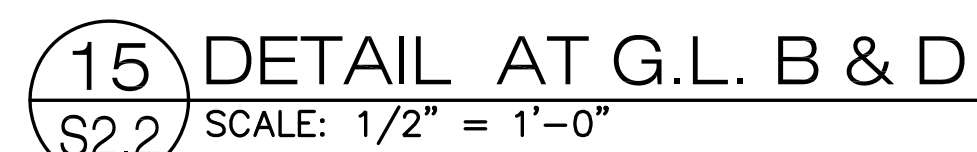
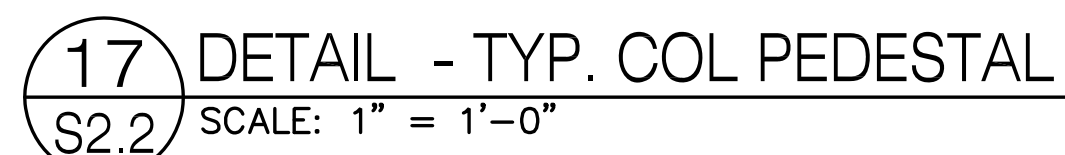
Pacific Engineering Group, Inc.
30 Ryan Court, Suite 200
Monterey, CA 93940
ph: (831) 333-0644

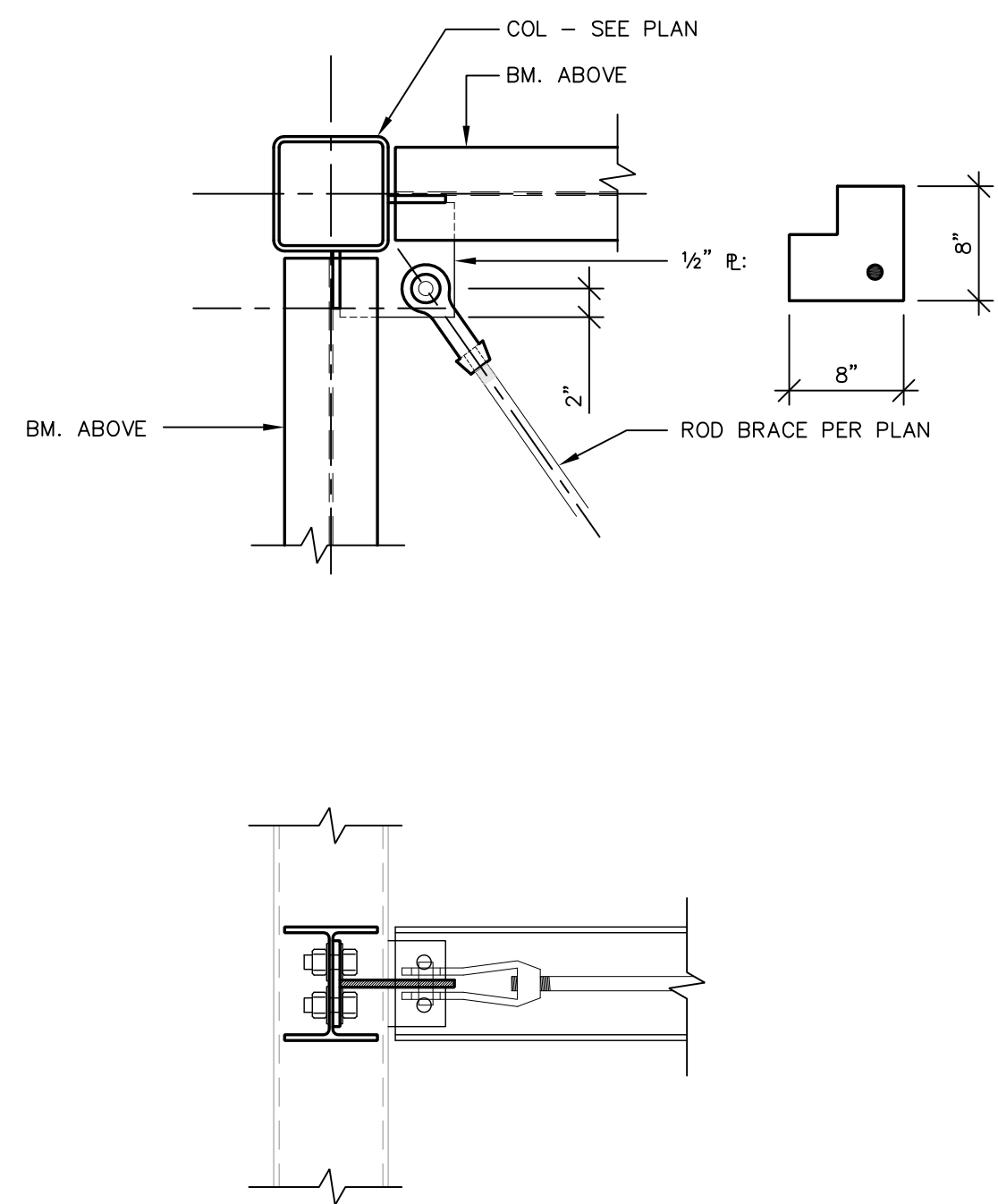
1201 Monterey-Salinas Highway
Salinas, California

LAGUNA SECA
START-FINISH BRIDGE
COUNTY OF MONTEREY
NEW BRIDGE RAMP
STRUCTURAL FRAMING ELEVATIONS

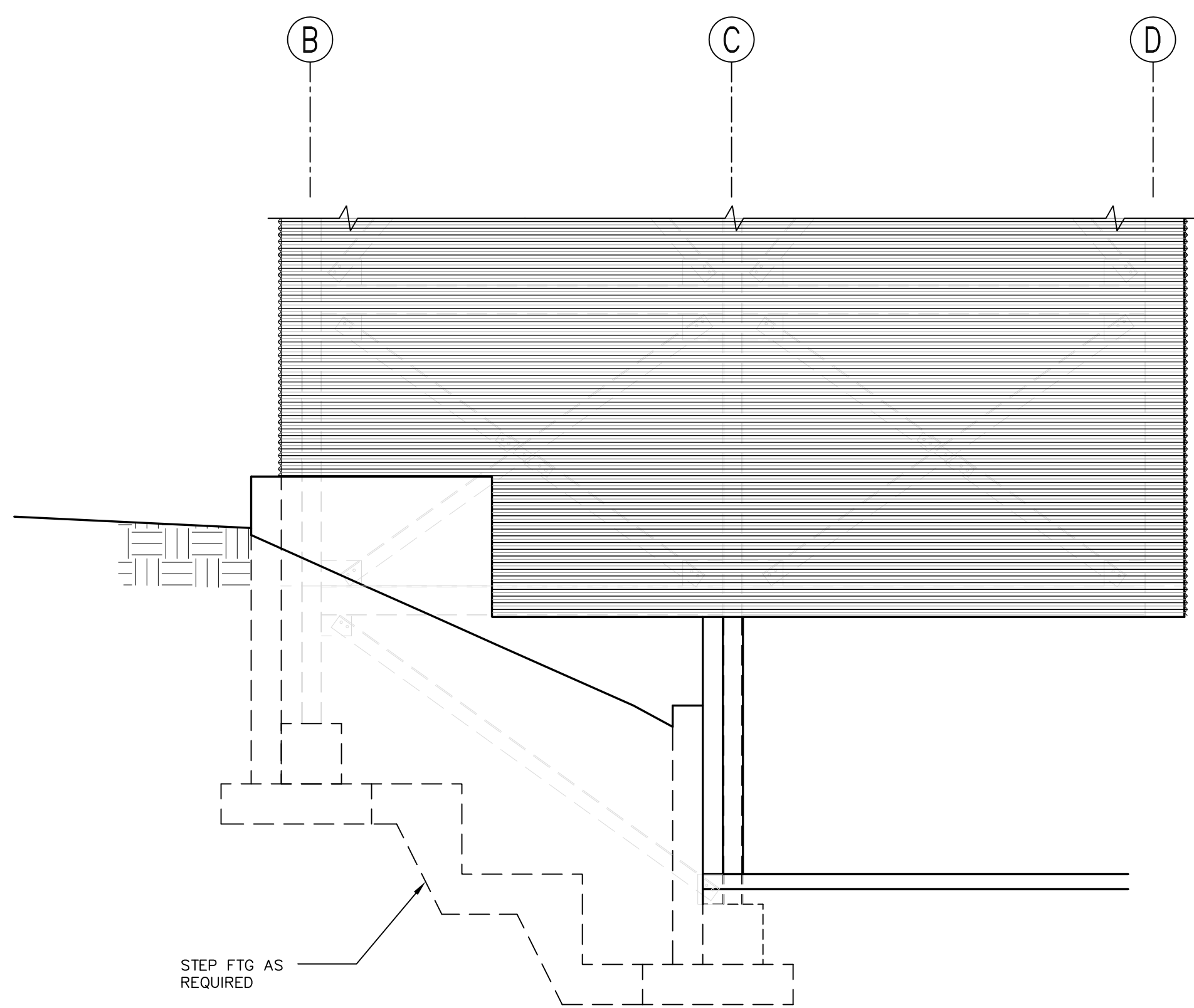
ACTION/REVISIONS:		BY
	04/06/2018	OK

SCALE	AS NOTED
DRAWN	OK/eb
JOB	17-060
SHEET	
S2.1	
OF	SHEETS

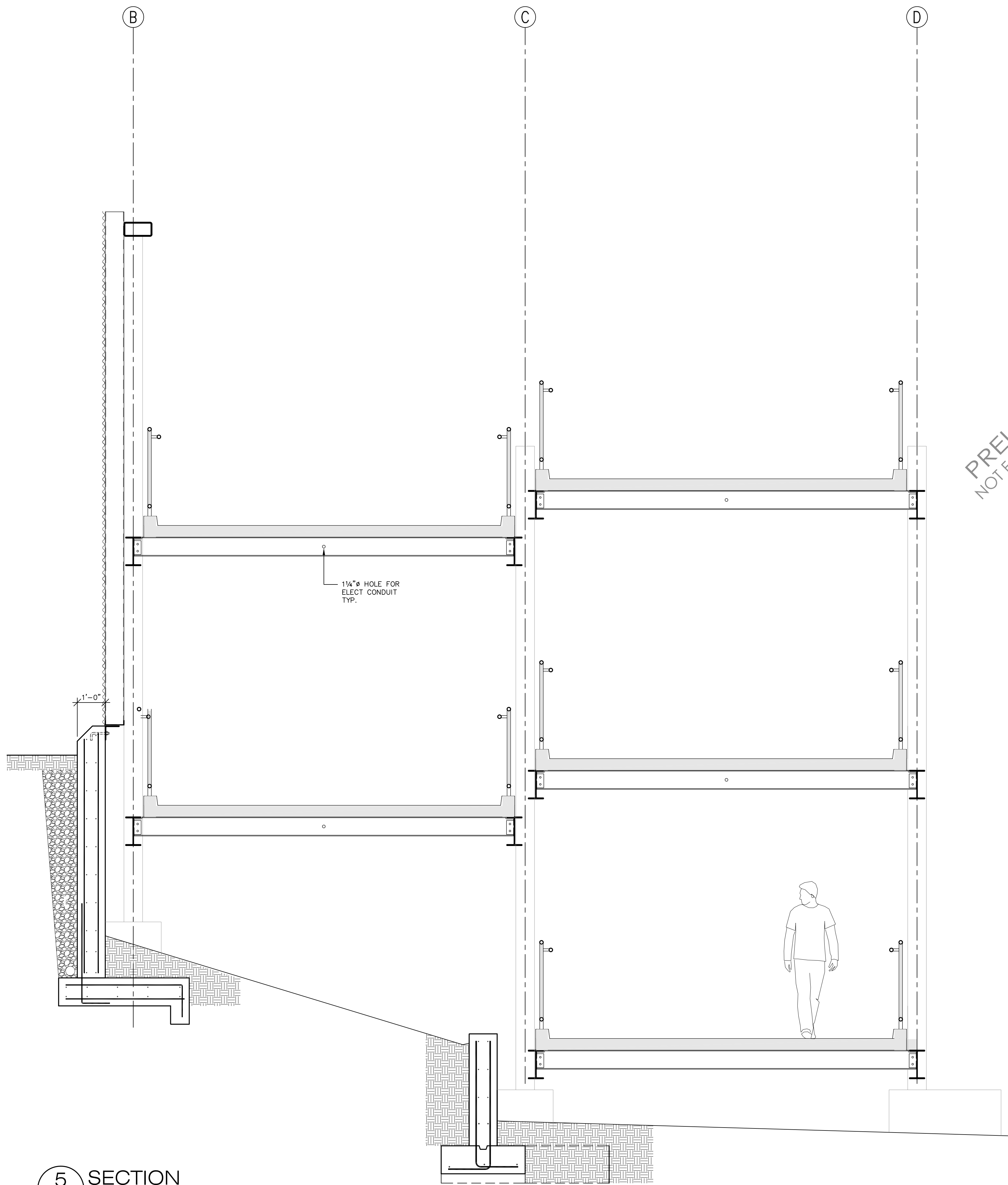




11 TYP. ROD BRACING DETAIL
S2.3 SCALE: 1" = 1'-0"



13 ELEVATION @ G.L. 1
S2.3 SCALE: 1/4" = 1'-0"



5 SECTION
S2.3 SCALE: 1/2" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION

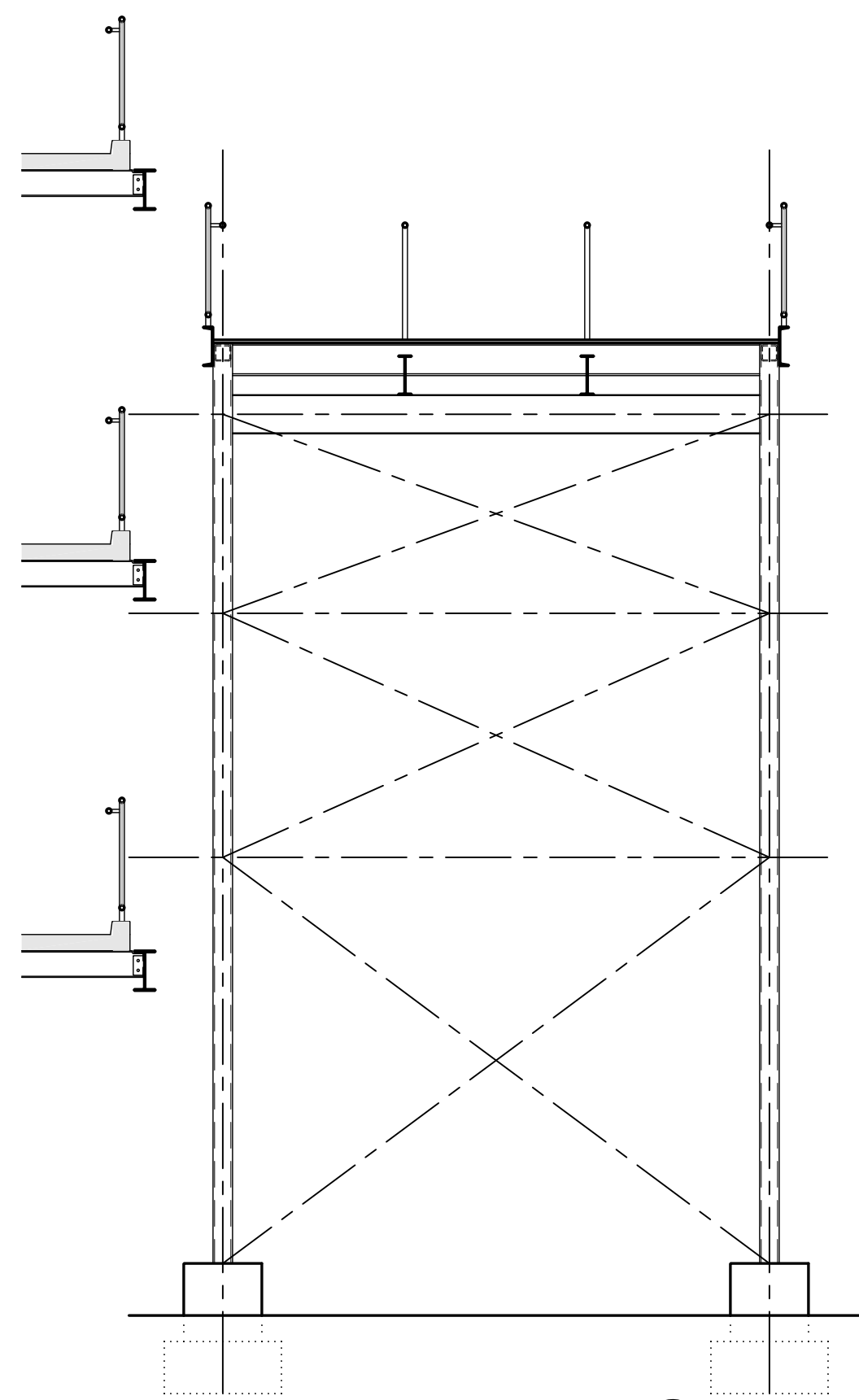
Pacific Engineering Group, Inc.
30 Ryan Court, Suite 200
Monterey, CA 93940
ph: (831) 333-0644
fax: (831) 333-0645

1201 Monterey-Salinas Highway
Salinas, California

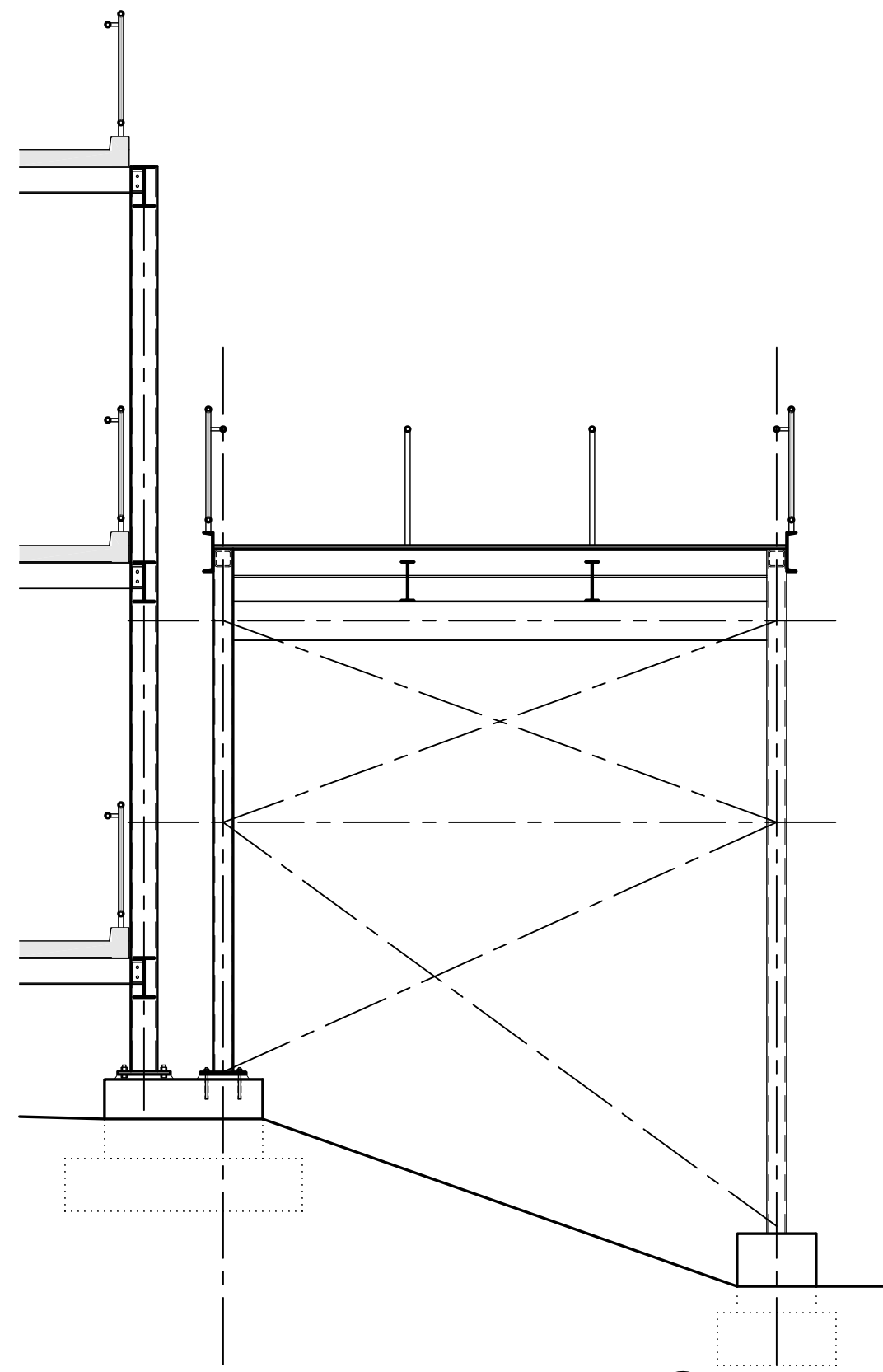
LAGUNA SECA
START-FINISH BRIDGE
COUNTY OF MONTEREY
NEW BRIDGE RAMP
DETAILS

ACTION/REVISIONS:		BY
04/06/2018	OK	

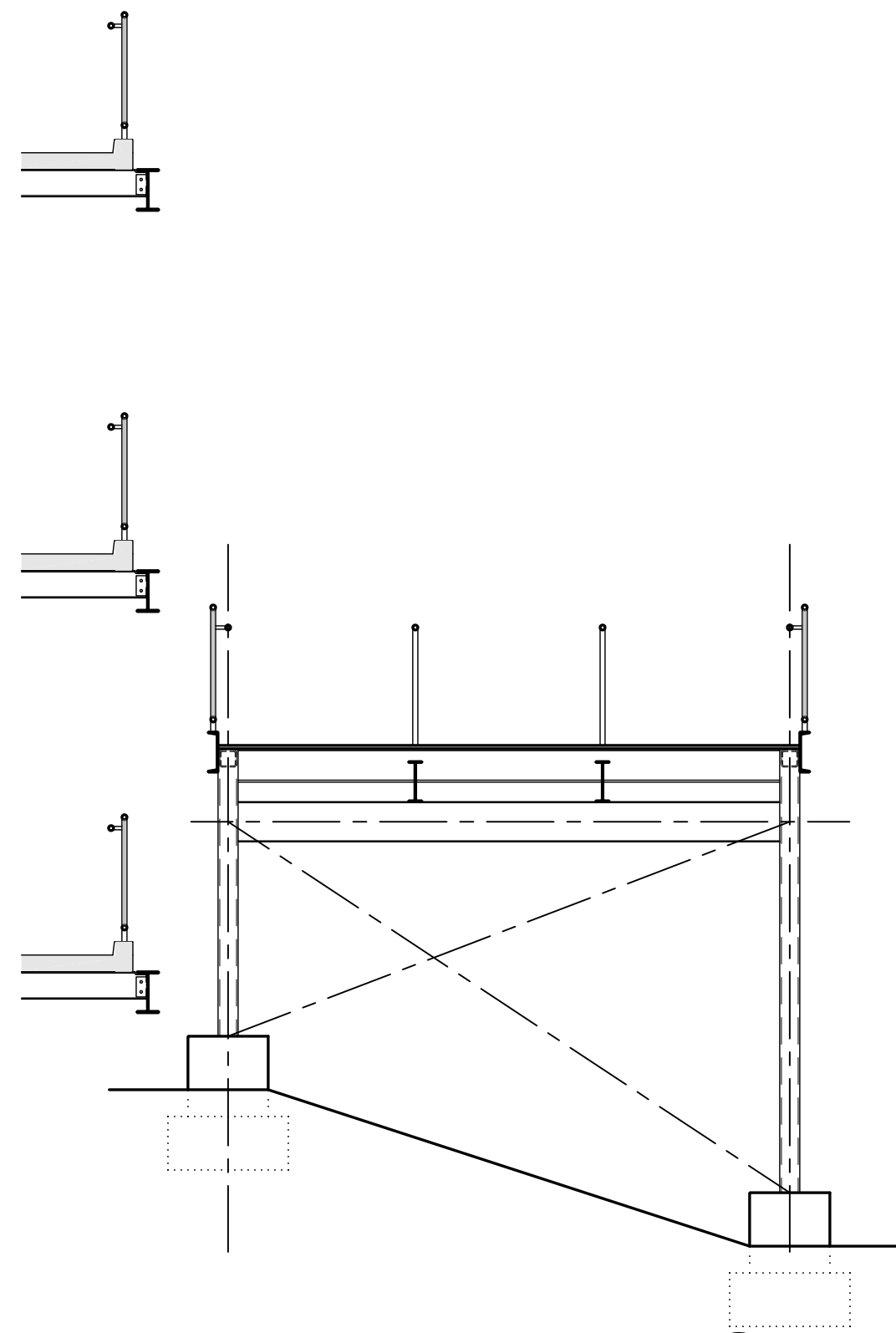
SCALE	AS NOTED
DRAWN	GK/eb
JOB	17-060
SHEET	S2.3
OF	SHEETS



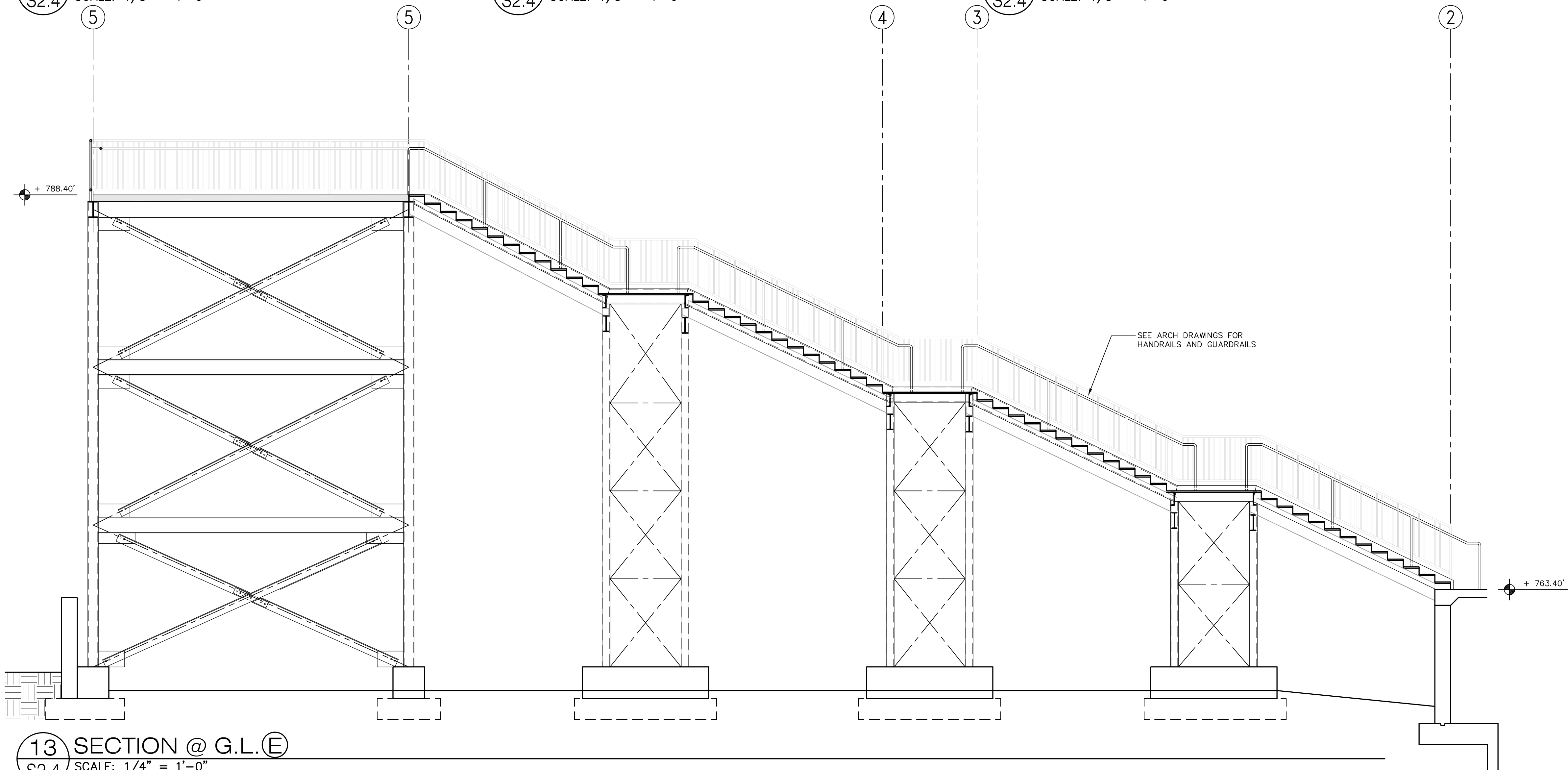
15 SECTION @ G.L. **4.4**
S2.4 SCALE: 1/8" = 1'-0"



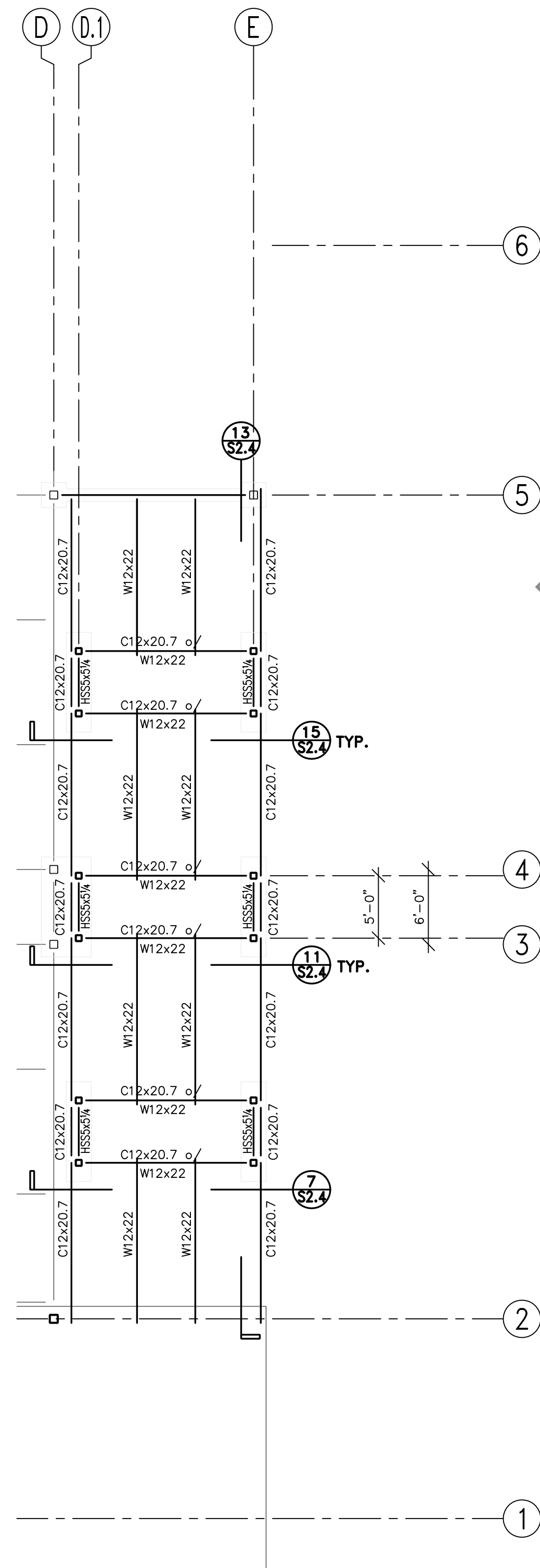
11 SECTION @ G.L. **3.4**
S2.4 SCALE: 1/8" = 1'-0"



7 SECTION @ G.L. **2.4**
S2.4 SCALE: 1/8" = 1'-0"



13 SECTION @ G.L. **E**
S2.4 SCALE: 1/4" = 1'-0"



1 STAIR FRAMING PLAN
S2.4 SCALE: 1/8" = 1'-0"

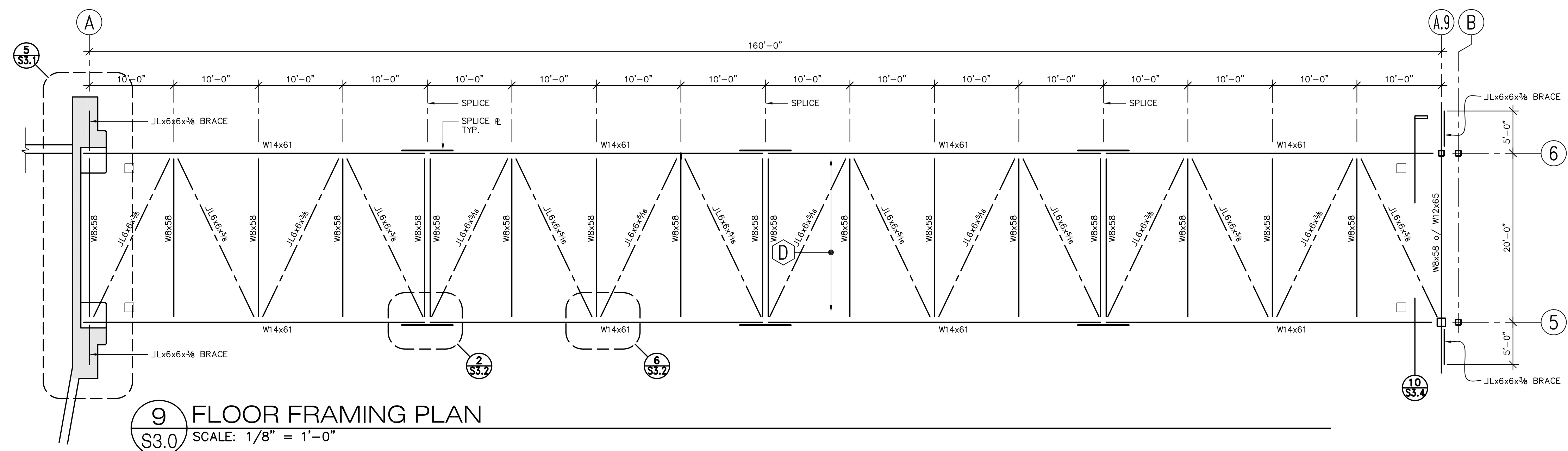
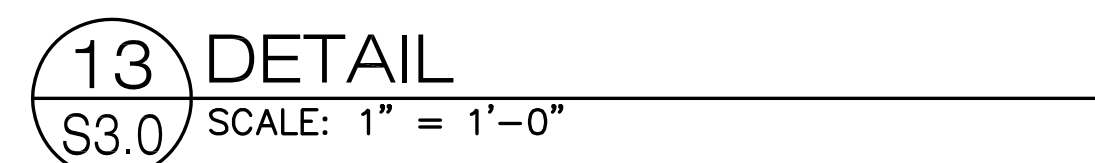
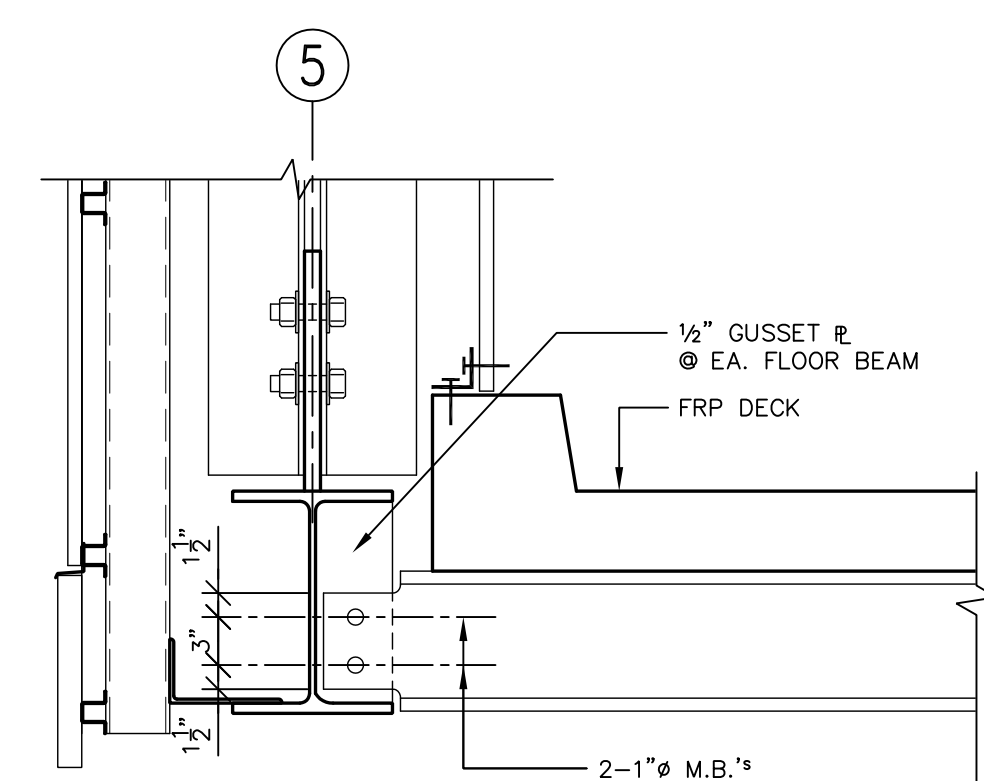
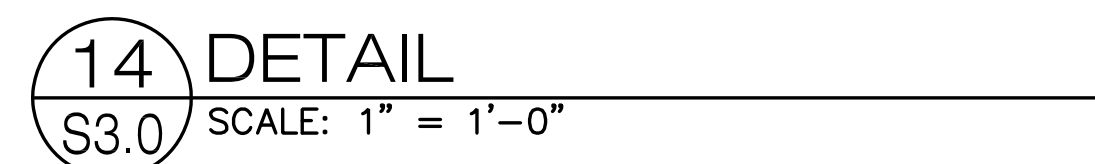
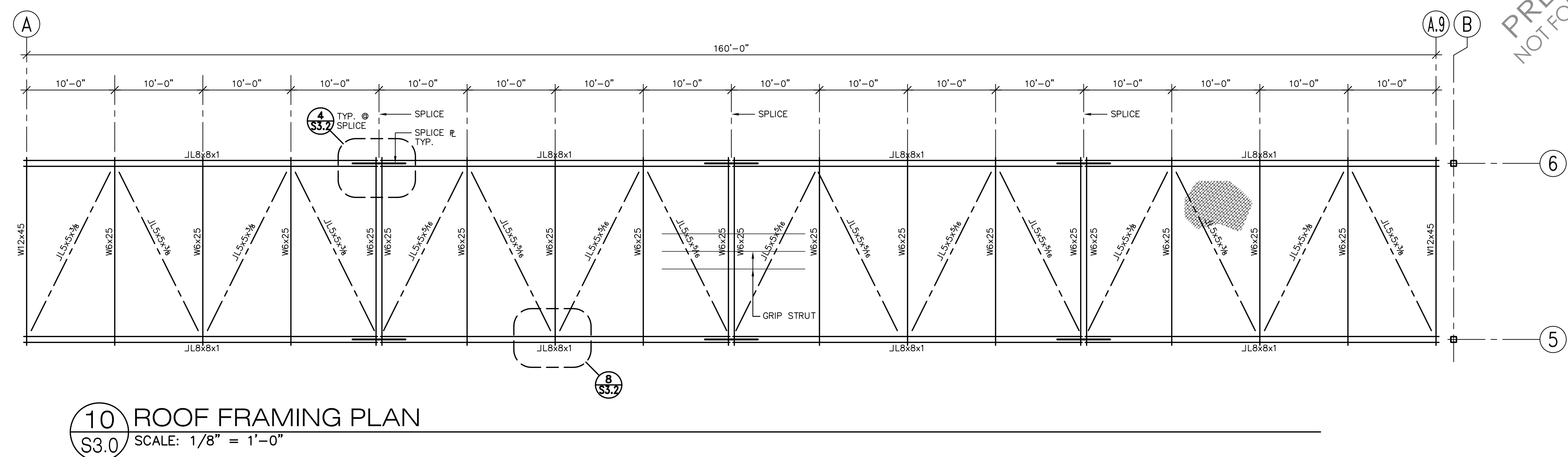
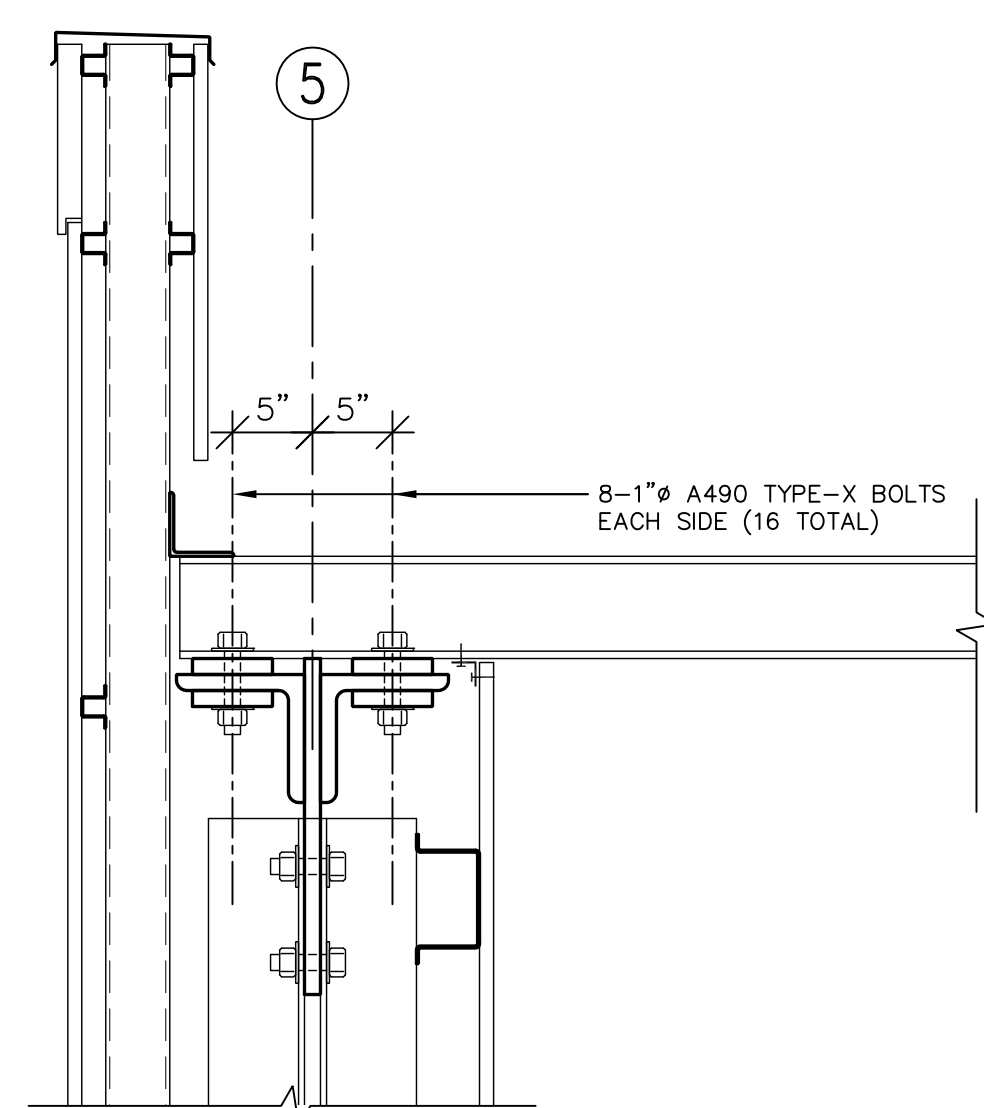
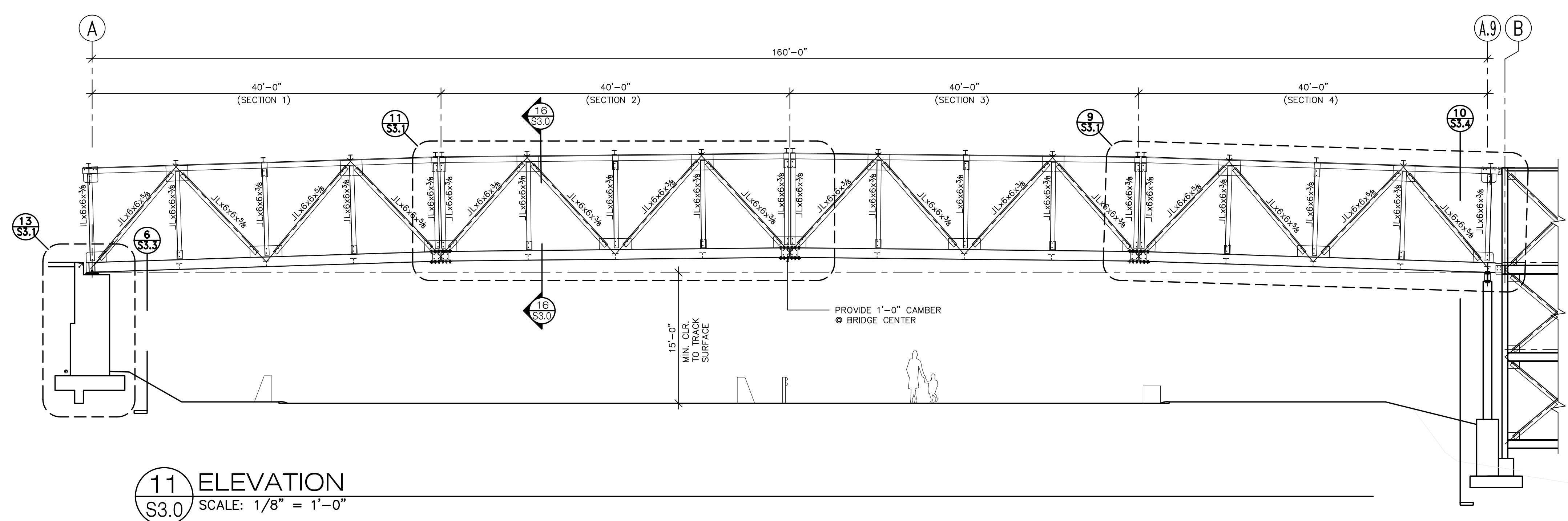
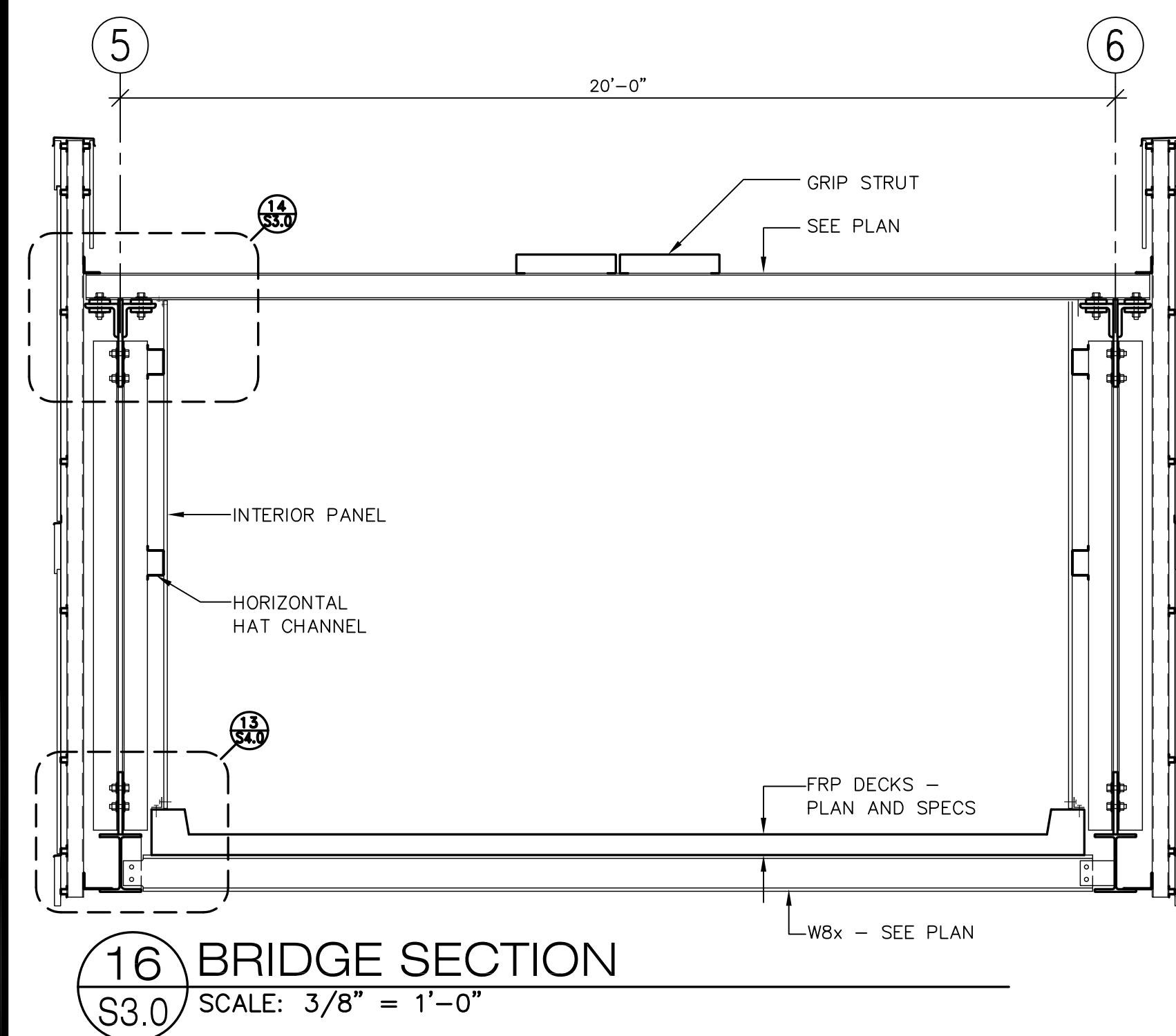
PRELIMINARY
NOT FOR CONSTRUCTION
VALID WITH WET
SIGNATURE ONLY

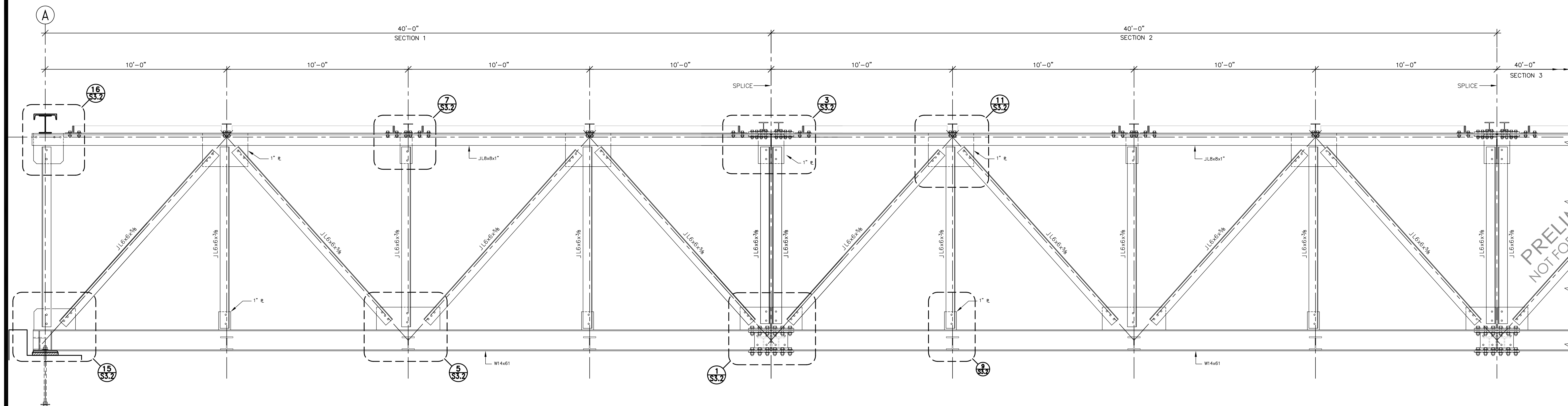
Pacific Engineering Group, Inc.
30 Ryan Court, Suite 200
Monterey, CA 93940
ph: (831) 333-0644
fax: (831) 333-0645

LAGUNA SECA
START-FINISH BRIDGE
COUNTY OF MONTEREY
NEW BRIDGE RAMP
STAIR FRAMING PLAN AND SECTIONS
1201 Monterey-Salinas Highway
Salinas, California

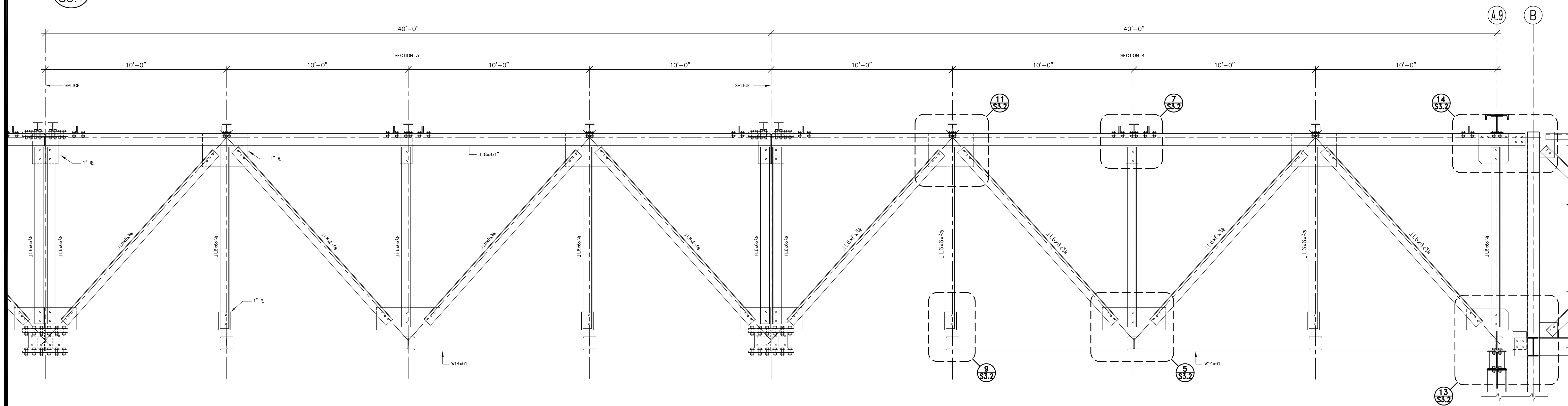
ACTION/REVISIONS:		BY
04/06/2018	OK	

SCALE	AS NOTED
DRAWN	GK/eb
JOB	17-060
SHEET	
S2.4	
OF	SHEETS





11 TYPICAL BRIDGE SECTION 1 & 2
S3.1 SCALE: 3/8" = 1'-0"



9 TYPICAL BRIDGE SECTION 3 & 4
S3.1 SCALE: 3/8" = 1'-0"

Pacific Engineering Group, Inc.
30 Ryan Court, Suite 200
Monterey, CA 93940
ph: (831) 333-0644 fax: (831) 333-0645

PRELIMINARY
NOT FOR CONSTRUCTION
VALID WITH WET
SIGNATURE ONLY

1201 Monterey-Salinas Highway
Salinas, California

LAGUNA SECA
START-FINISH BRIDGE
COUNTY OF MONTEREY
NEW START/FINISH BRIDGE
BRIDGE ELEVATIONS & DETAILS

ACTION/REVISIONS:		BY
	04/06/2018	OK

SCALE AS NOTED
DRAWN GK/eb
JOB 17-060
SHEET
S3.1
OF SHEETS

16 DETAIL
S3.2 SCALE: 1" = 1'-0"

15 DETAIL
S3.2 SCALE: 1" = 1'-0"

14 DETAIL
S3.2 SCALE: 1" = 1'-0"

13 DETAIL
S3.2 SCALE: 1" = 1'-0"

11 DETAIL
S3.2 SCALE: 1" = 1'-0"

9 DETAIL
S3.2 SCALE: 1" = 1'-0"

8 DETAIL
S3.2 SCALE: 1" = 1'-0"

7 DETAIL
S3.2 SCALE: 1" = 1'-0"

6 DETAIL
S3 2 SCALE: 1" = 1'-0"

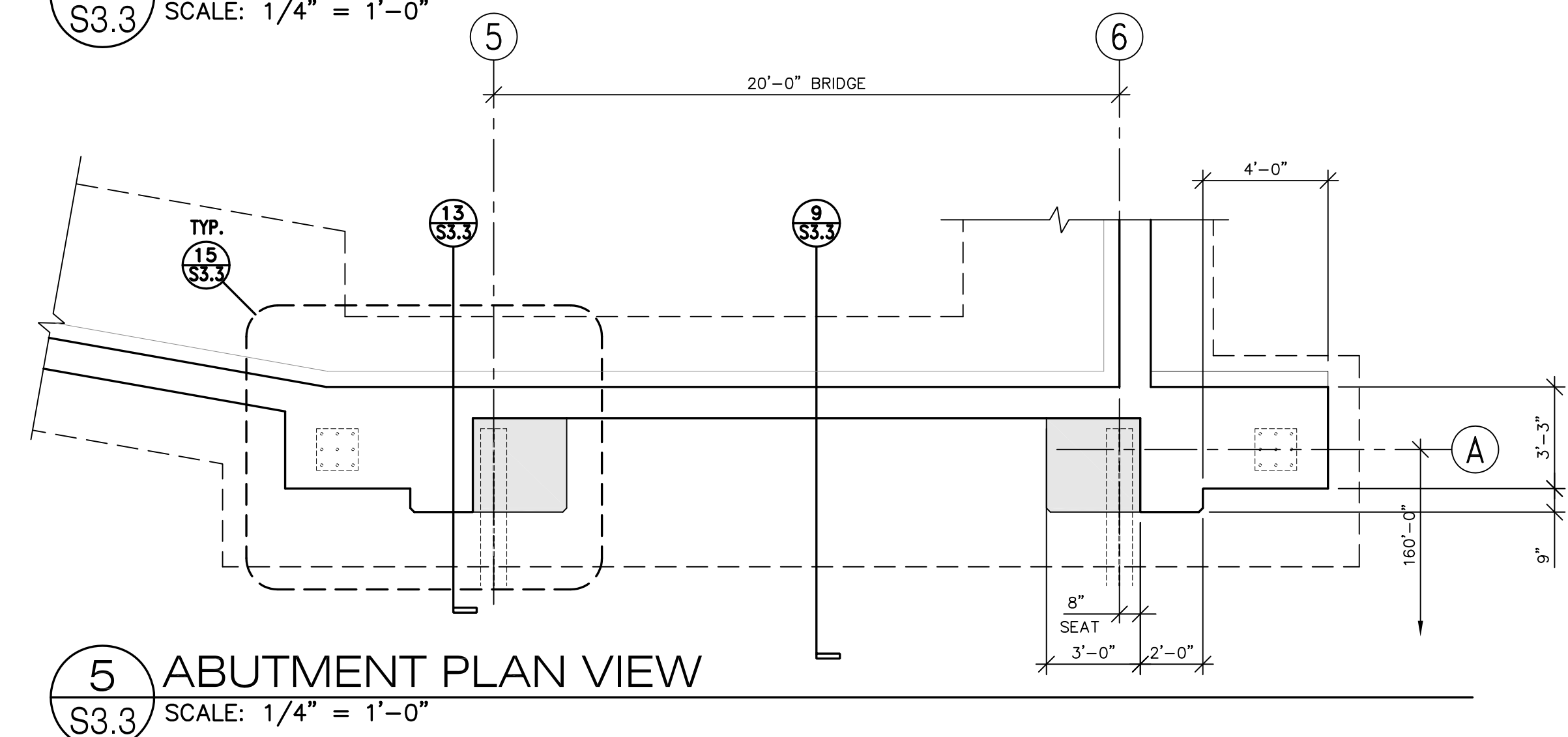
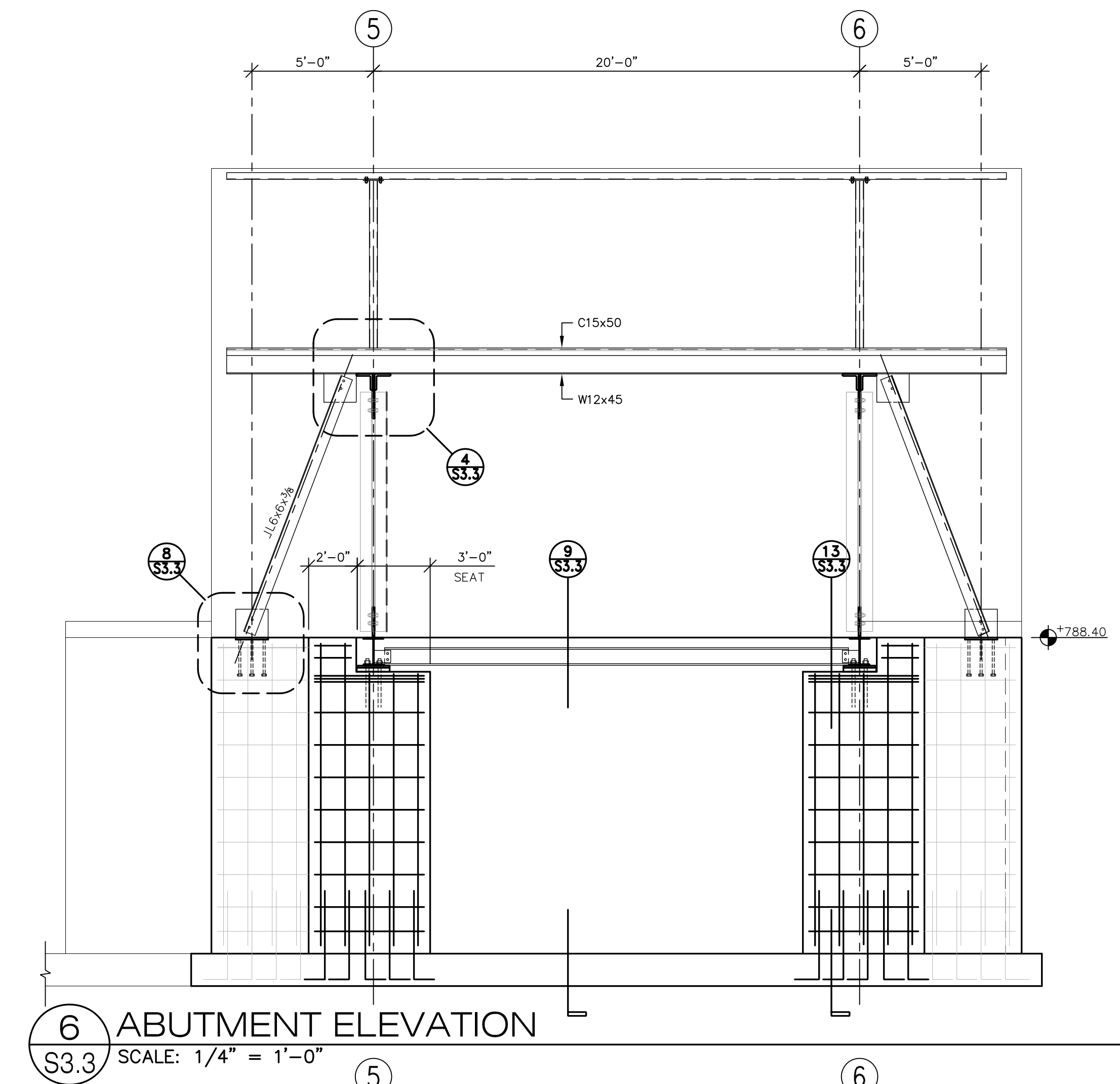
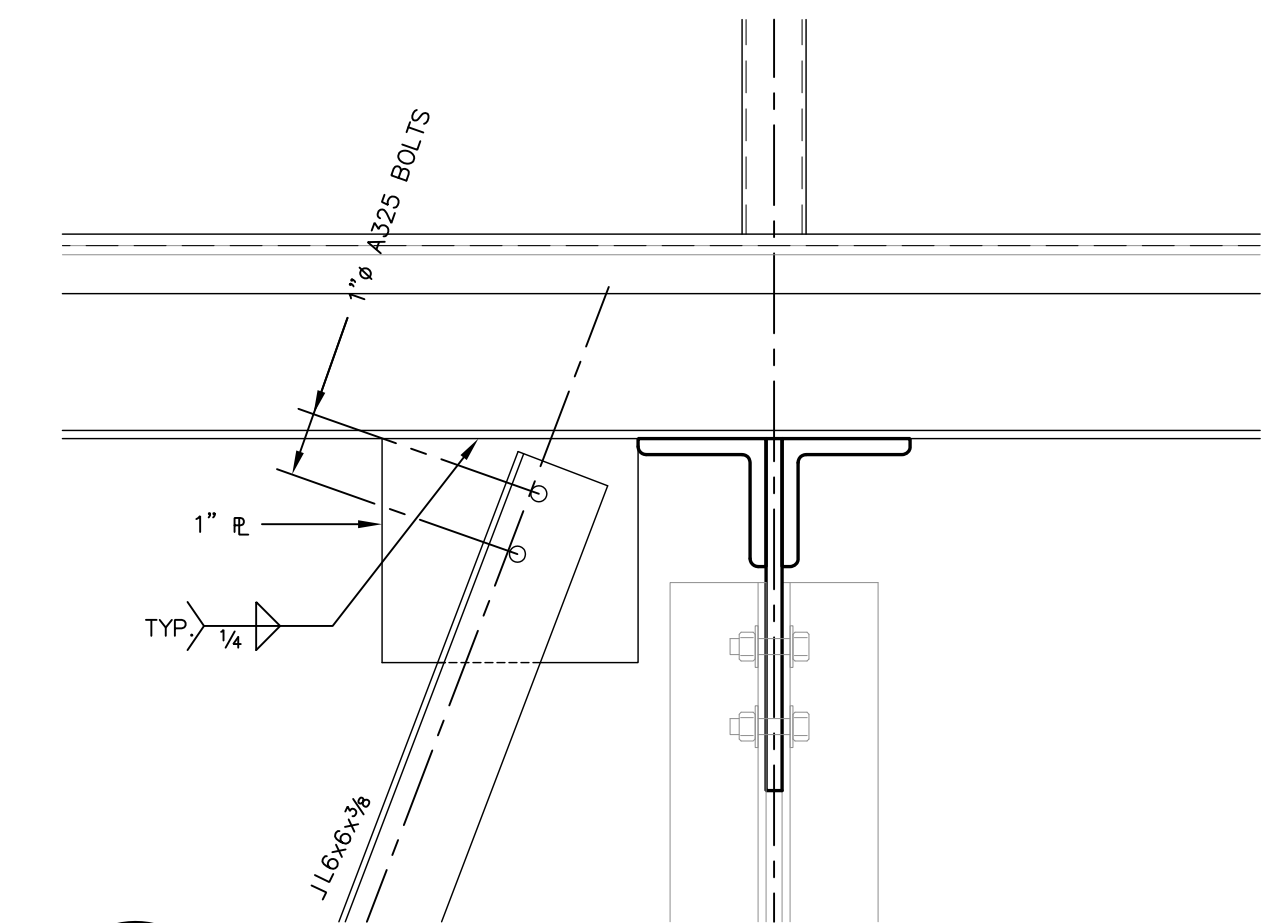
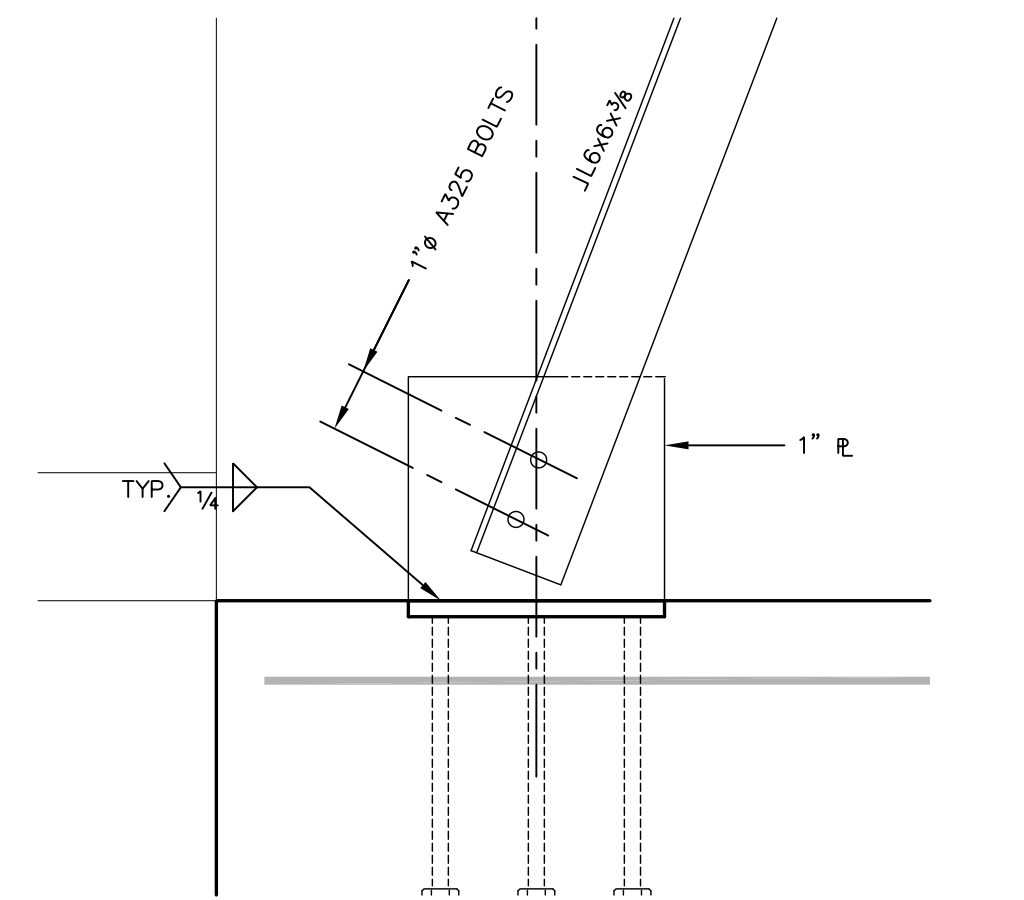
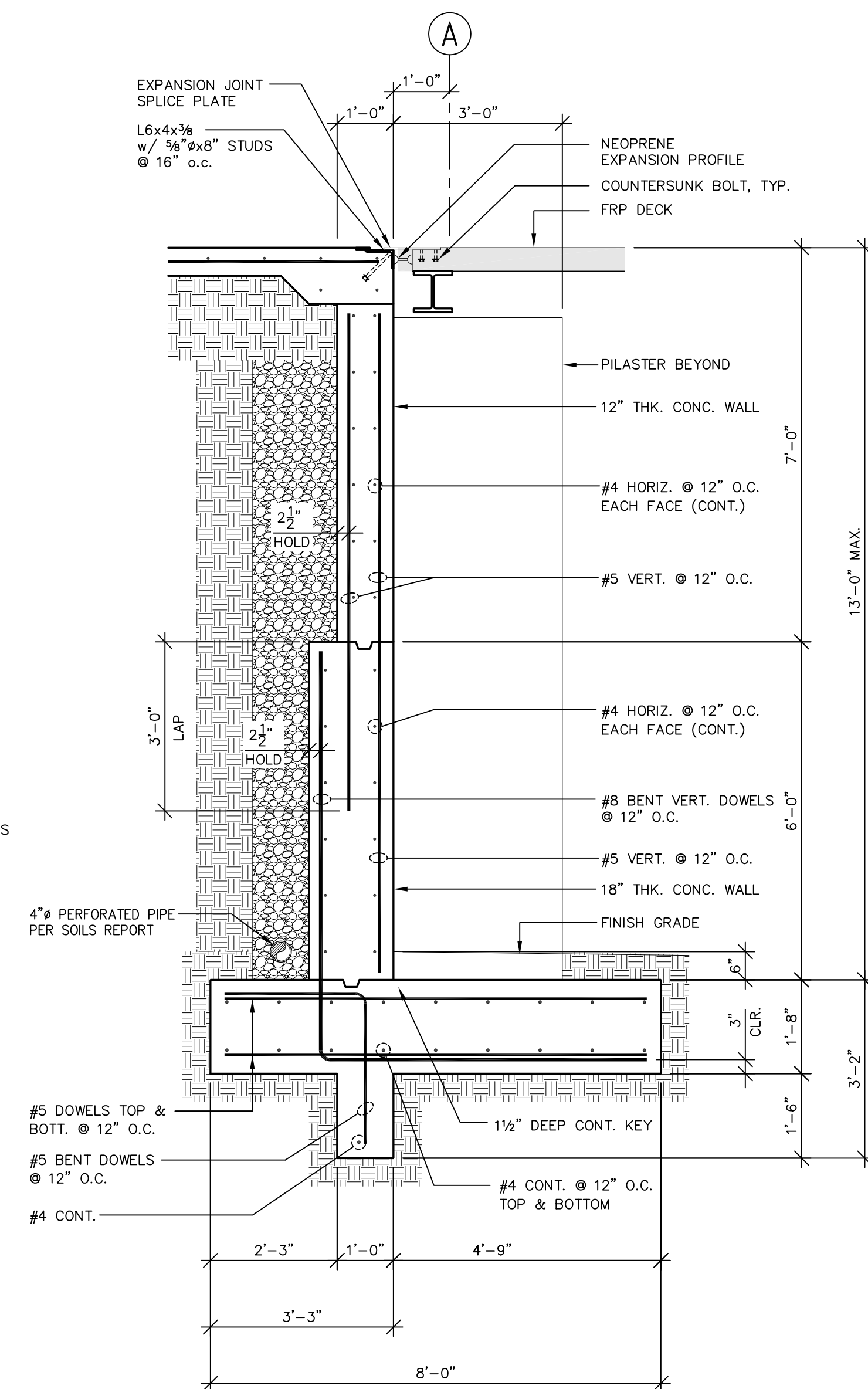
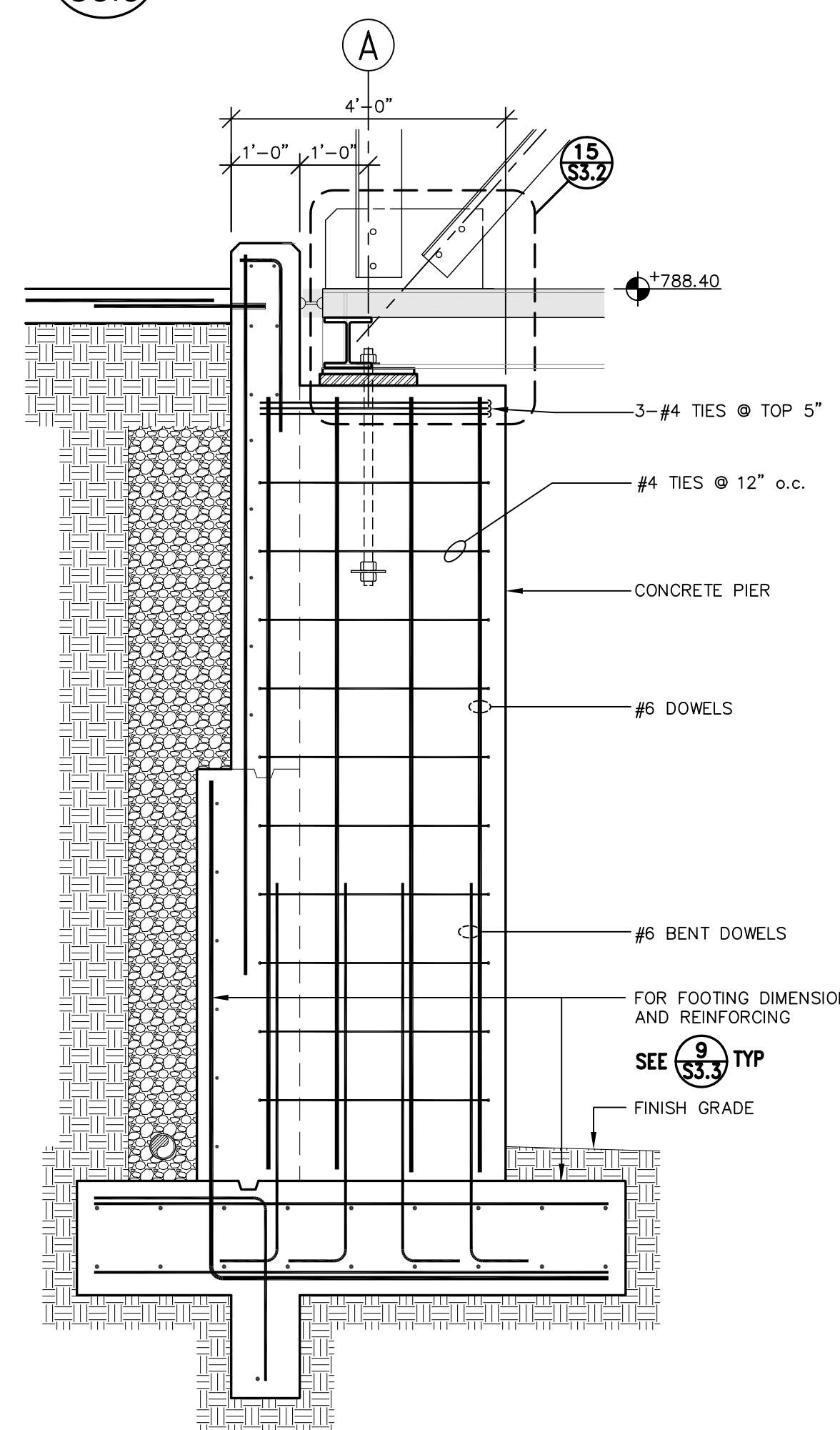
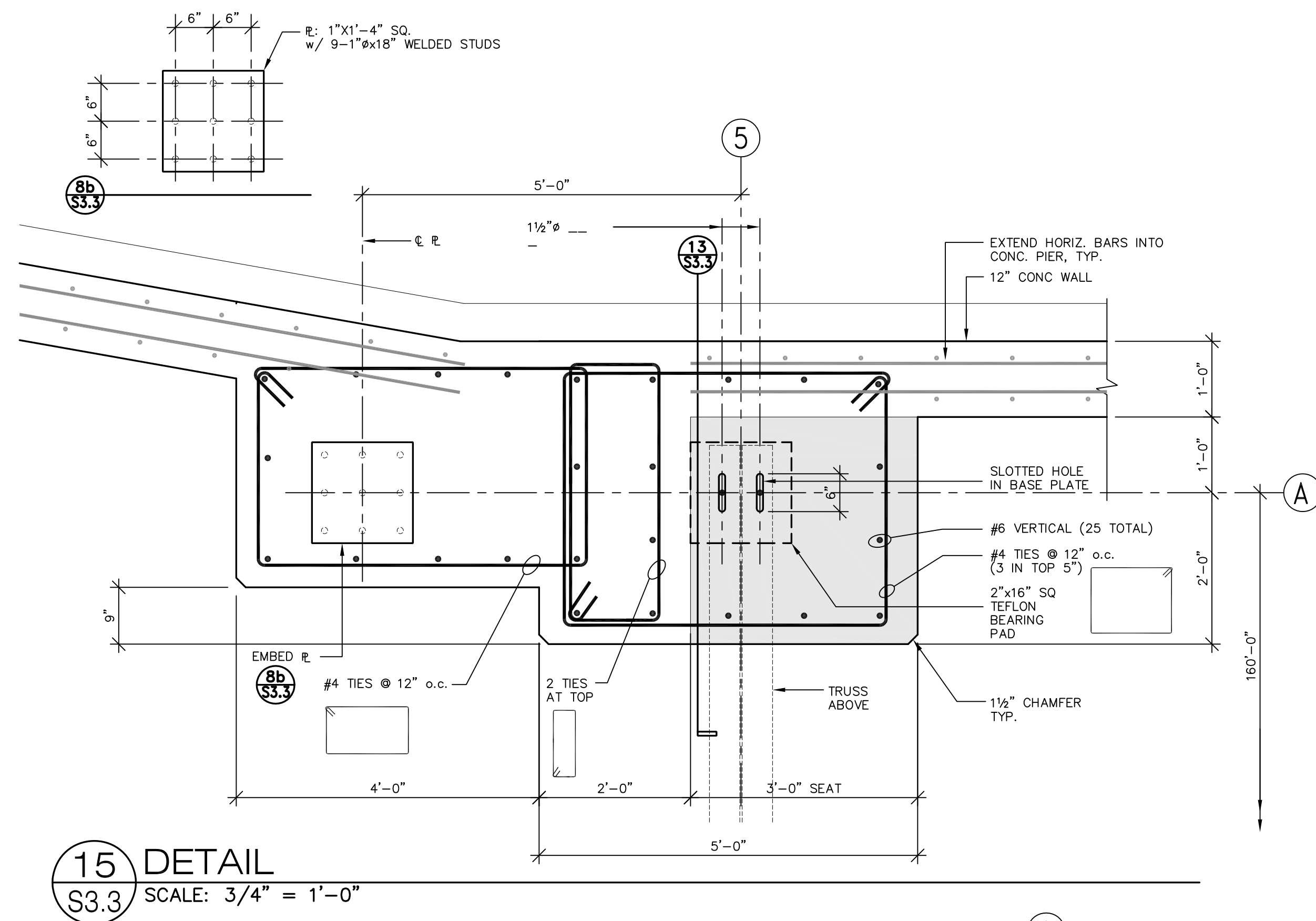
5 DETAIL
S3.2 SCALE: 1" = 1'-0"

4 DETAIL
S3.2 SCALE: 1" = 1'-0"

3 DETAIL
S3.2 SCALE: 1" = 1'-0"

2 DETAIL
S3.2 SCALE: 1" = 1'-0"

1 DETAIL
S3.2 SCALE: 1" = 1'-0"



Pacific Engineering Group, Inc.
30 Ryan Court, Suite 200
ph: (831) 333-0644
Monterey, CA 93940
fax: (831) 333-0645

1201 Monterey-Salinas Highway
Salinas, California

**LAGUNA SECA
START-FINISH BRIDGE
COUNTY OF MONTEREY**

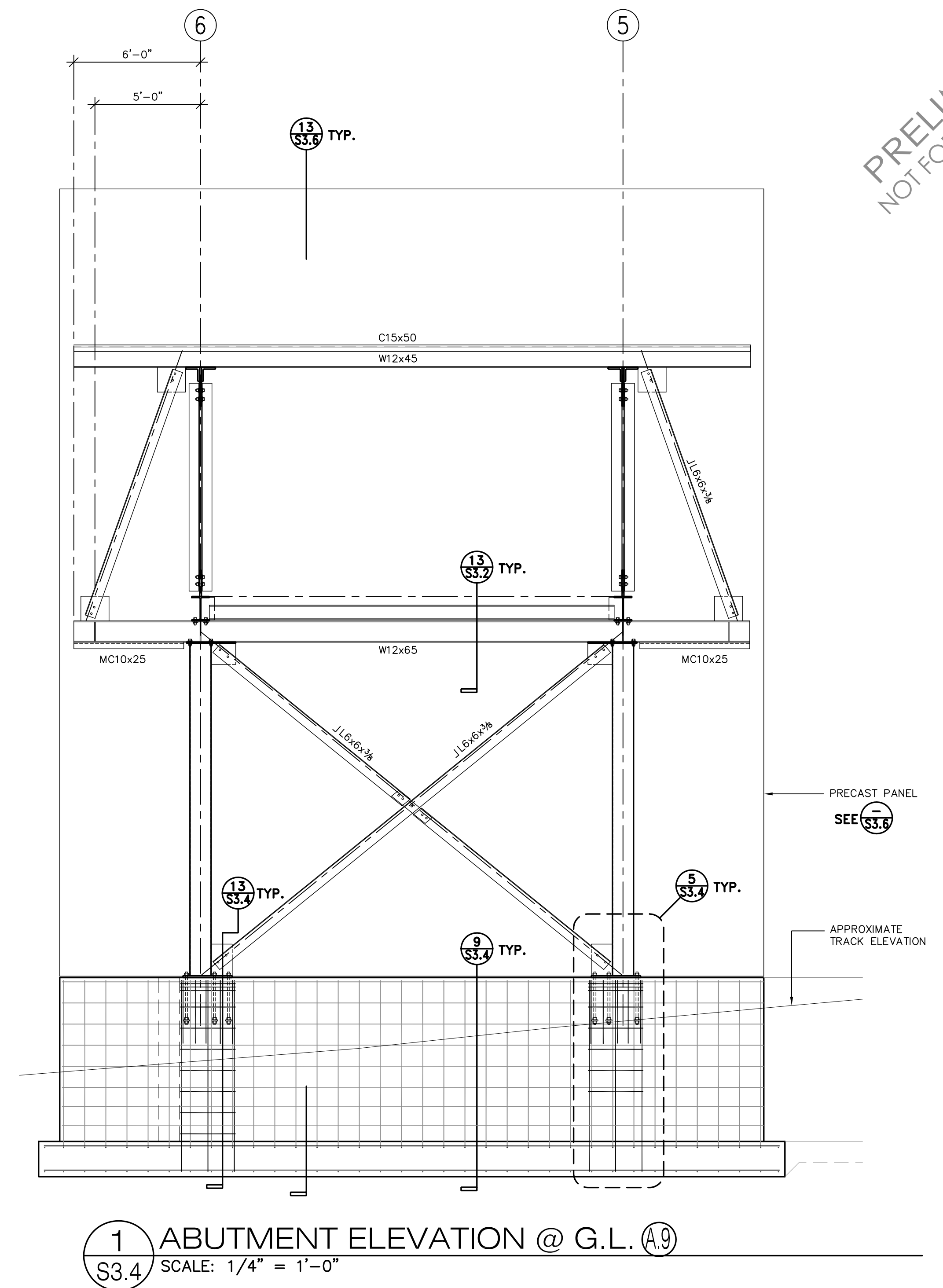
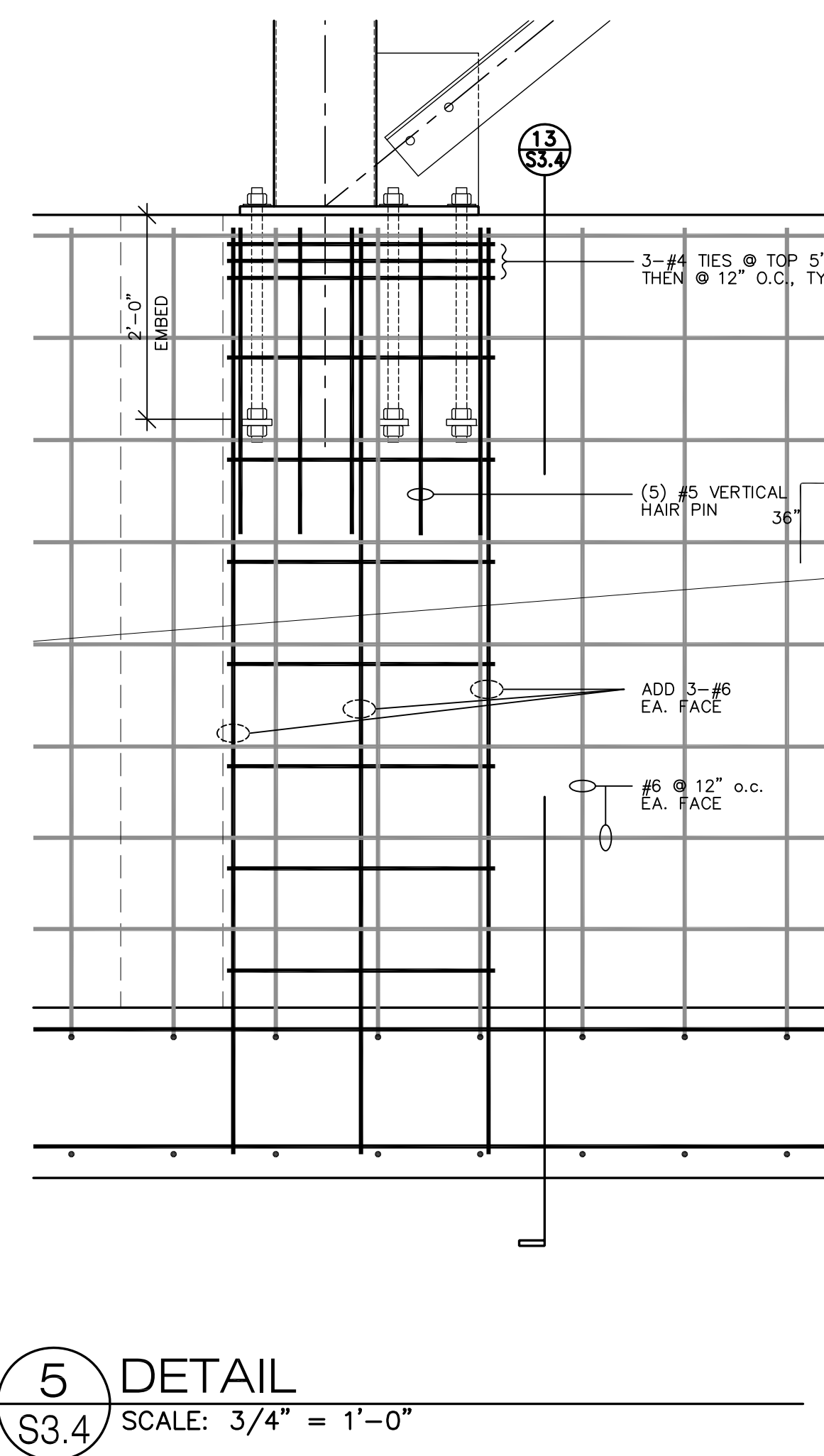
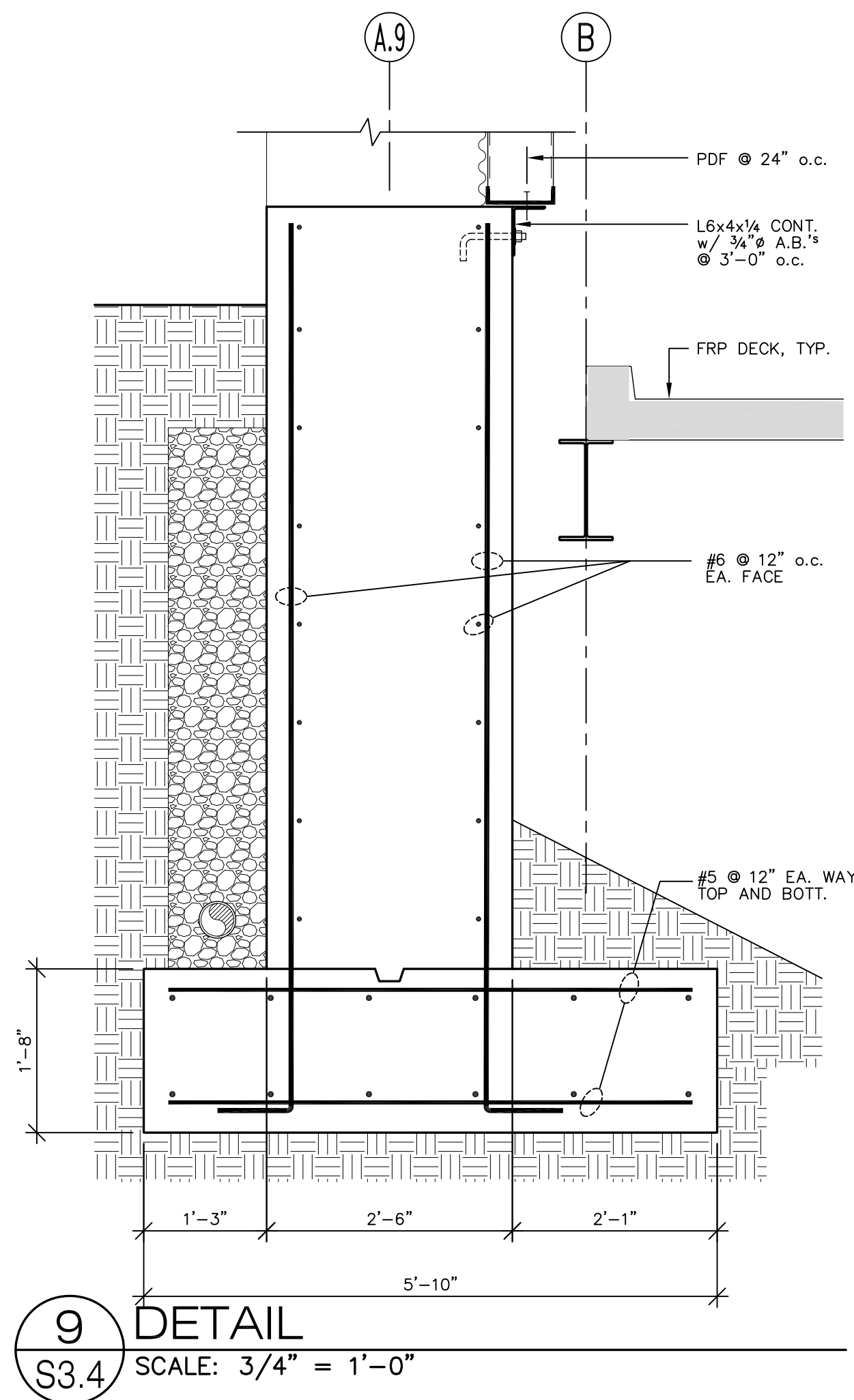
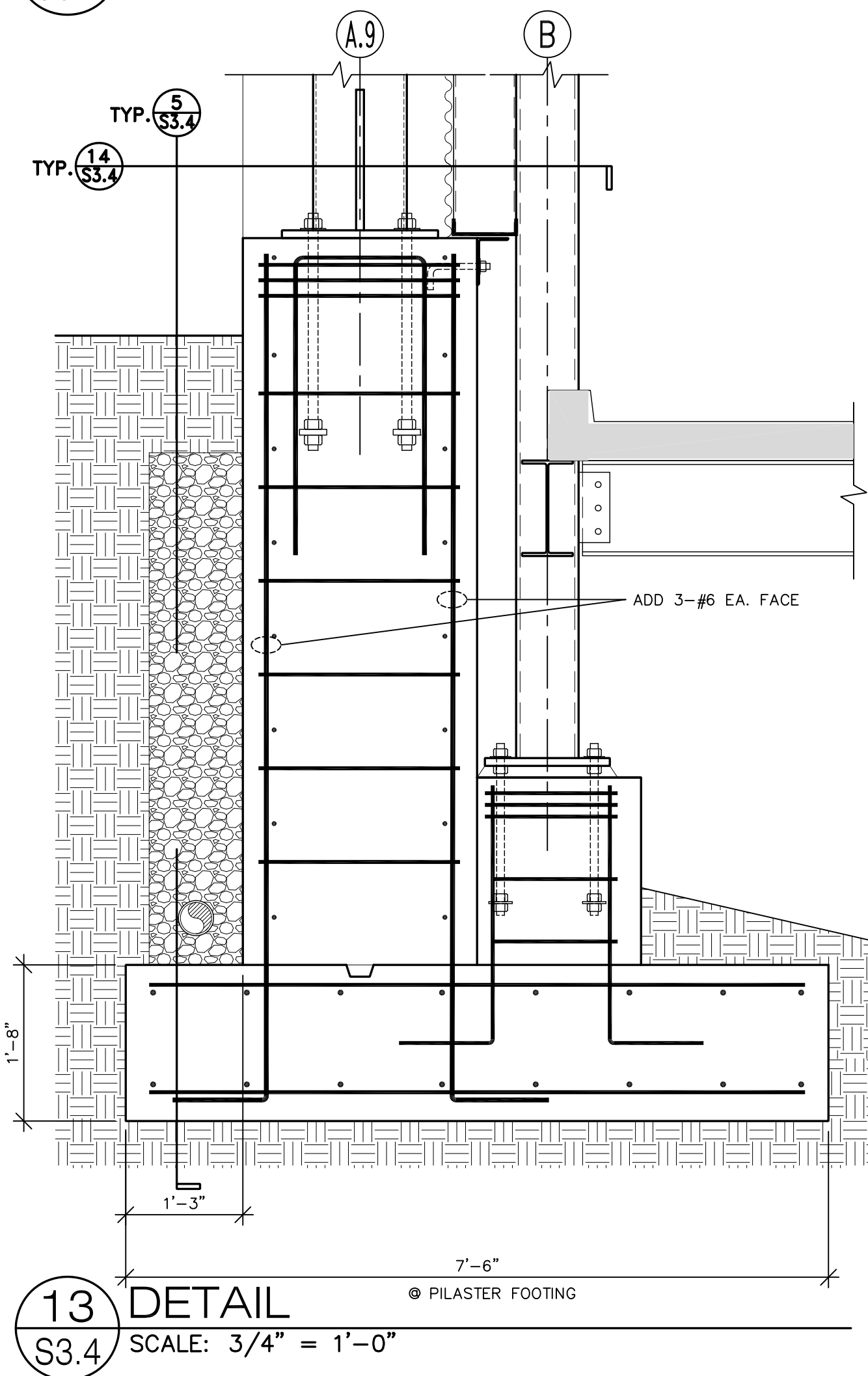
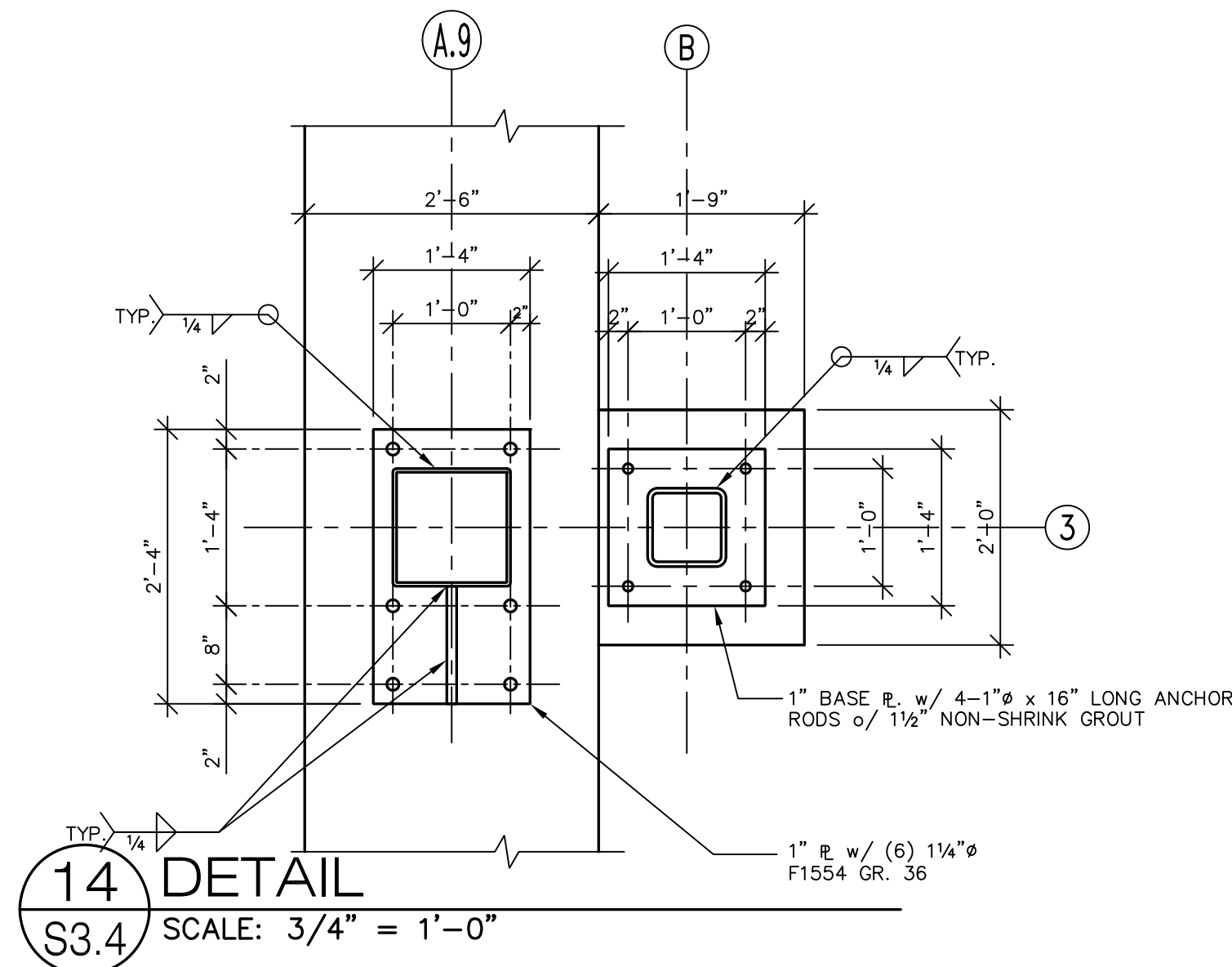
NEW START/FINISH BRIDGE
WEST ABUTMENT ELEVATIONS & DETAILS

ACTION/REVISIONS:		B
	04/06/2018	G

[illegible]

SCALE	AS NOTED
DRAWN	GK/eb
JOB	17-060
SHEET	

S3.3
OF SHEETS



PRELIMINARY
NOT FOR CONSTRUCTION

Pacific Engineering Group, Inc.
30 Ryan Court, Suite 200
Monterey, CA 93940
ph: (831) 333-0644
fax: (831) 333-0645

1201 Monterey-Salinas Highway
Salinas, California

LAGUNA SECA
START-FINISH BRIDGE
COUNTY OF MONTEREY

NEW START/FINISH BRIDGE
EAST ABUTMENT ELEVATIONS AND DETAILS

ACTION/REVISIONS:		BY
04/06/2018	OK	

SCALE AS NOTED

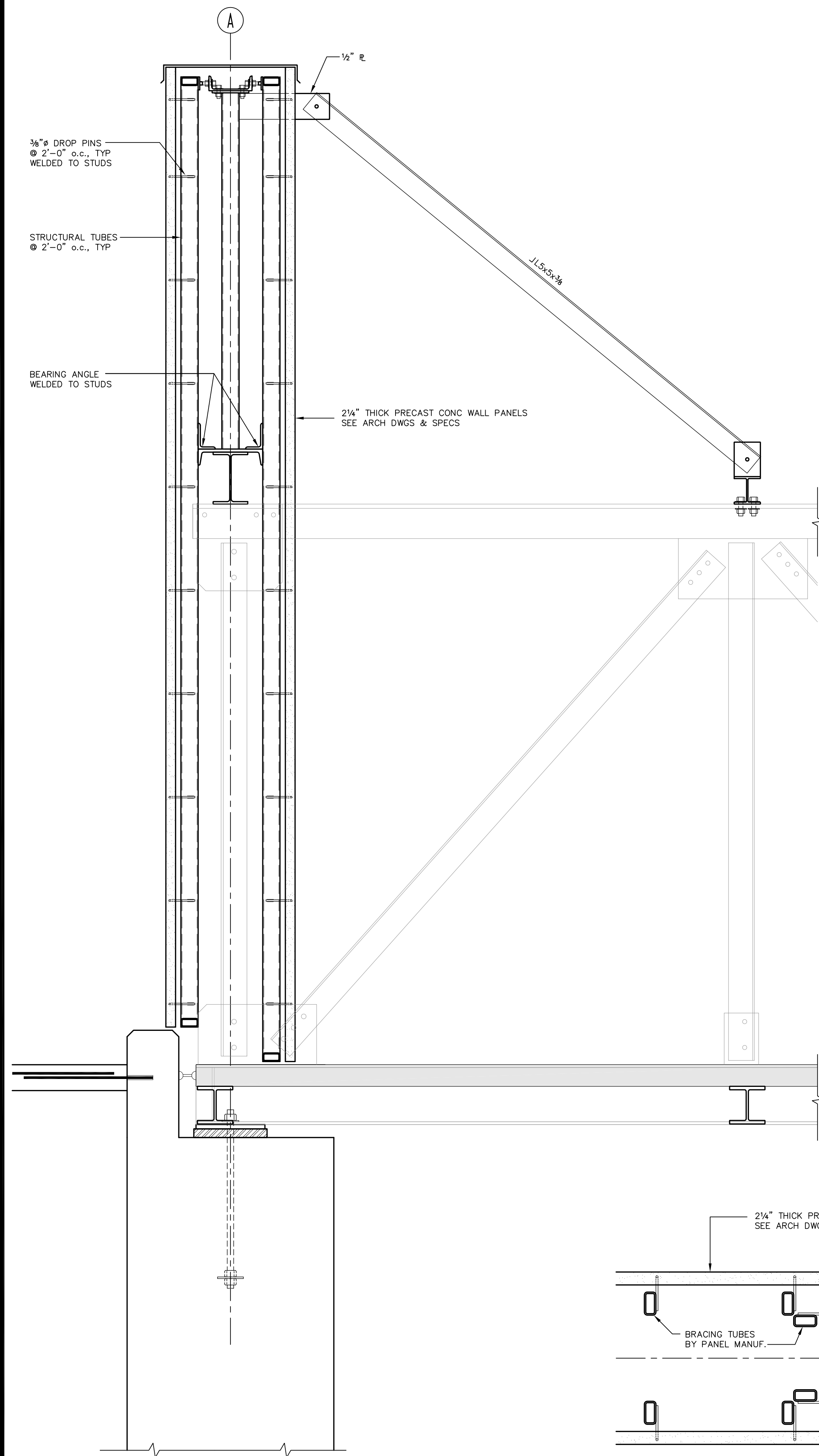
DRAWN CK/eb

JOB 17-060

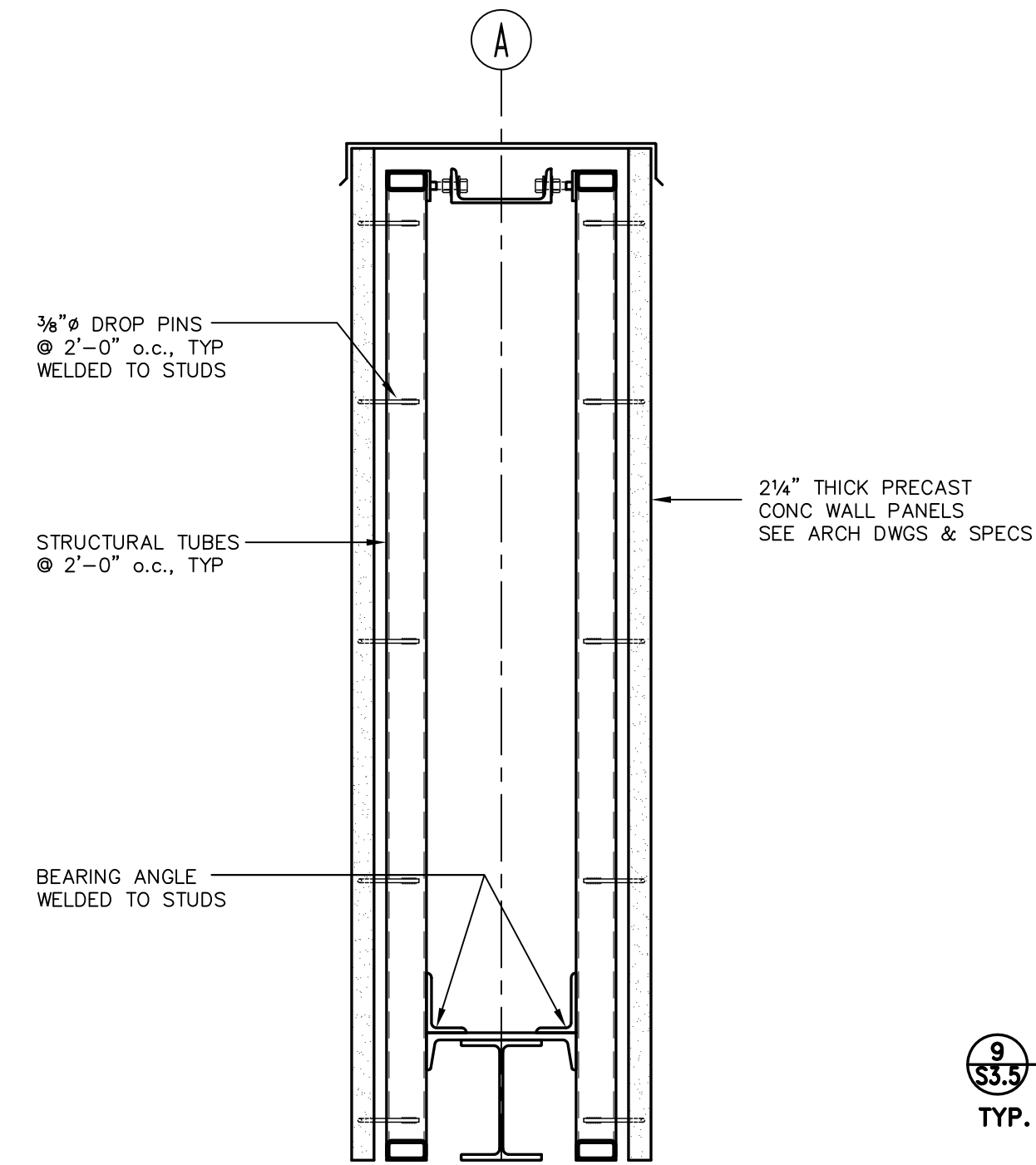
SHEET

S3.4

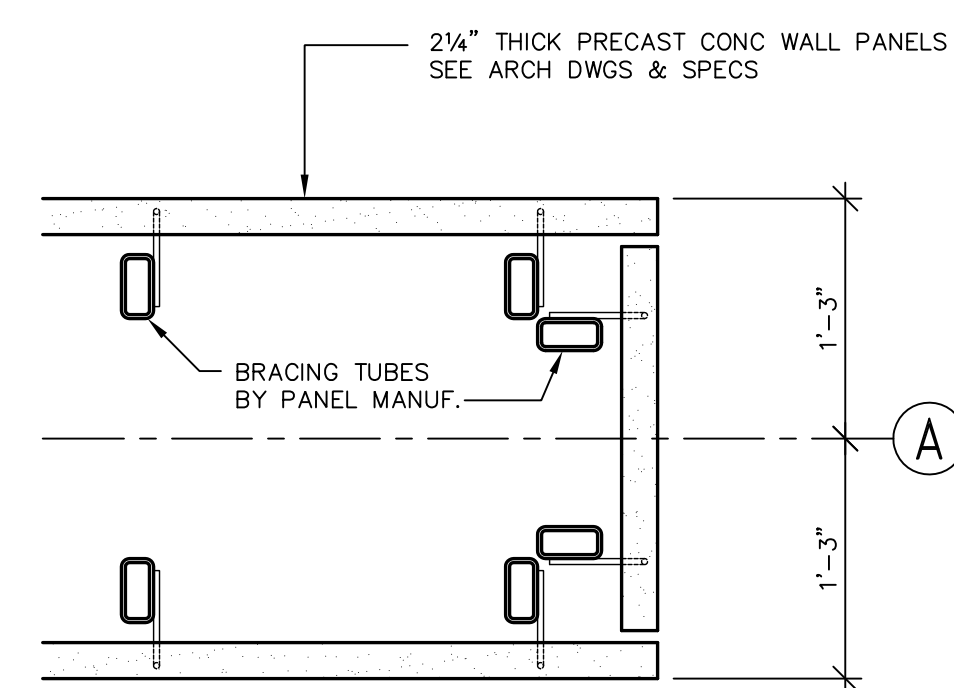
OF SHEETS



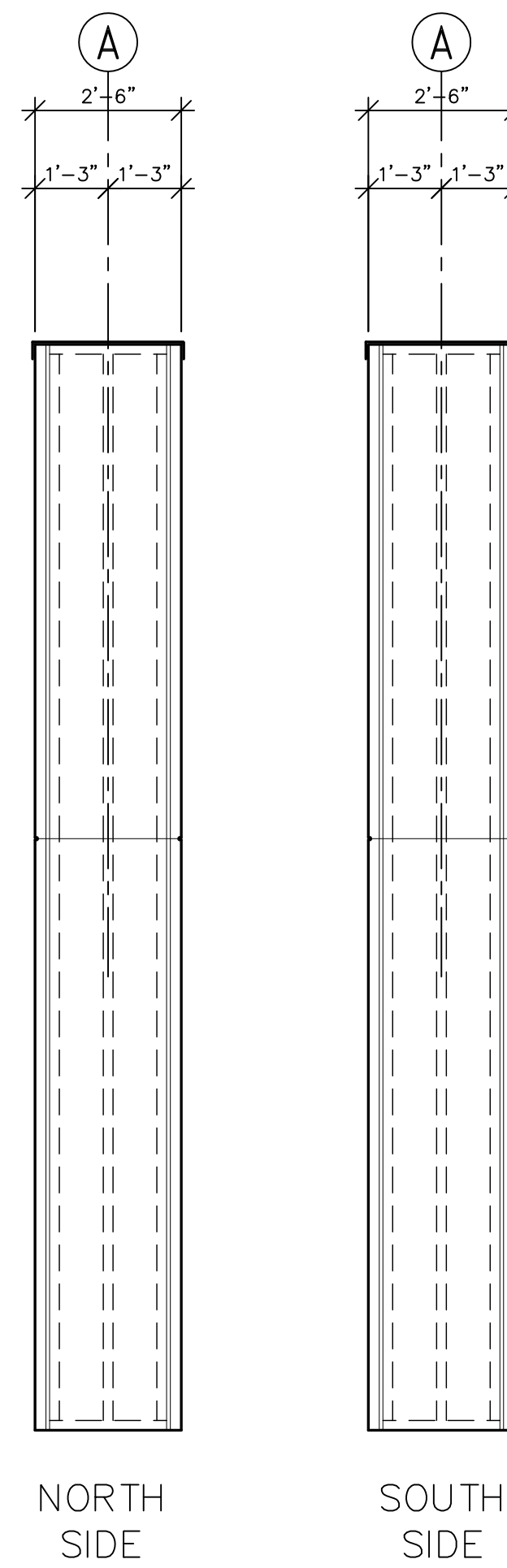
17 DETAIL
S3.5 SCALE: 3/4" = 1'-0"



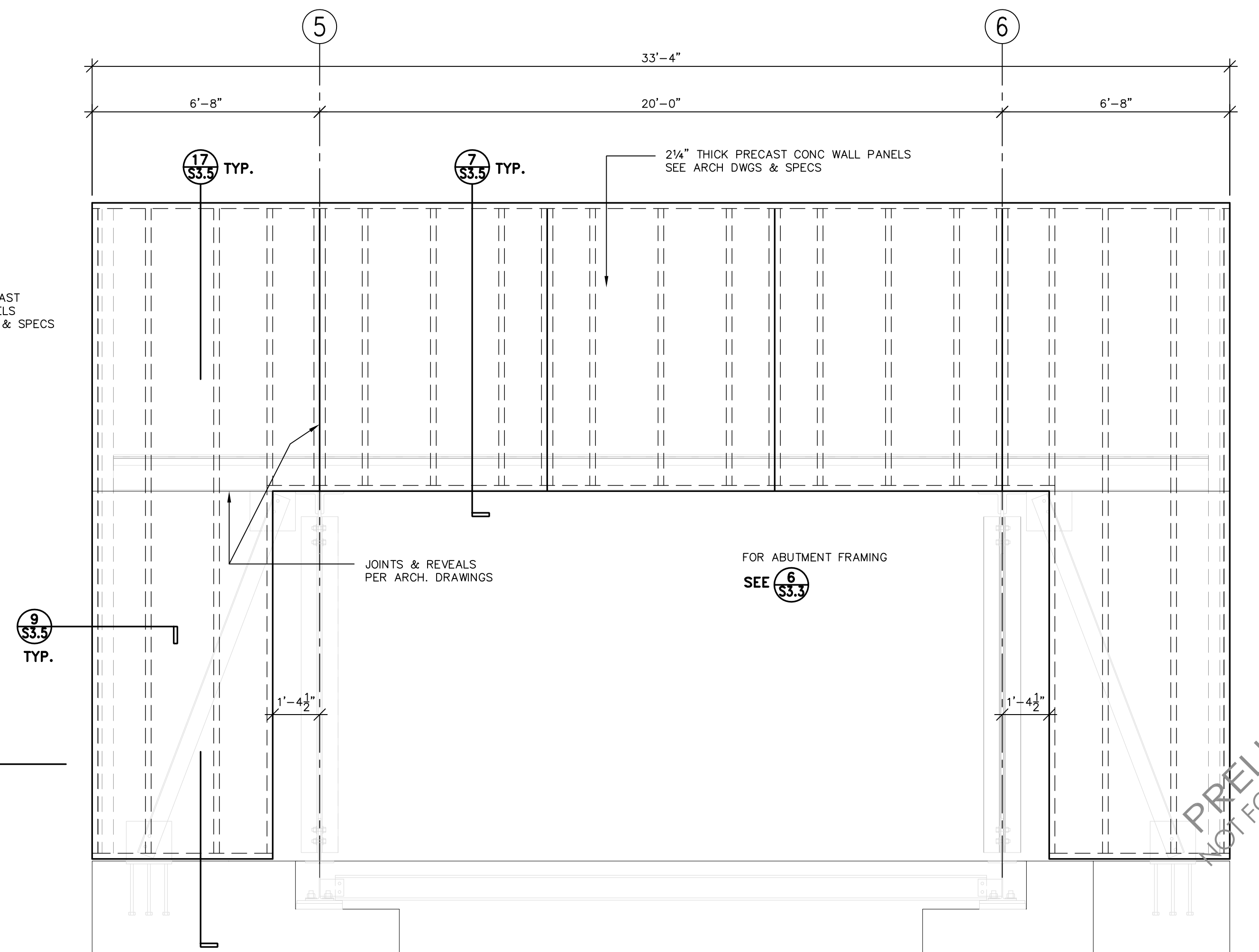
8 DETAIL
S3.5 SCALE: 1" = 1'-0"



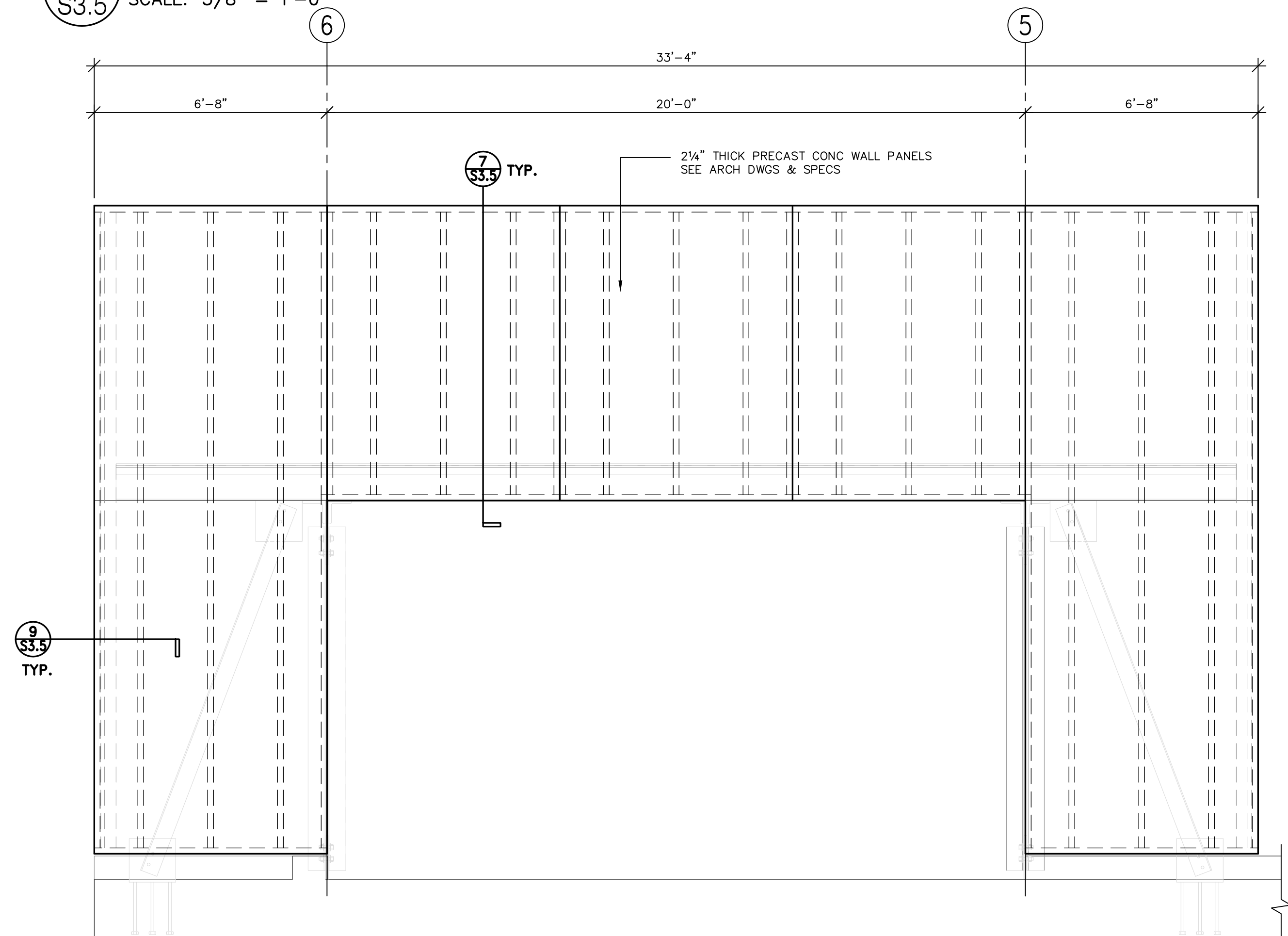
9 DETAIL
S3.5 SCALE: 3/8" = 1'-0"



5 ELEVATION
S3.5 SCALE: 3/8" = 1'-0"

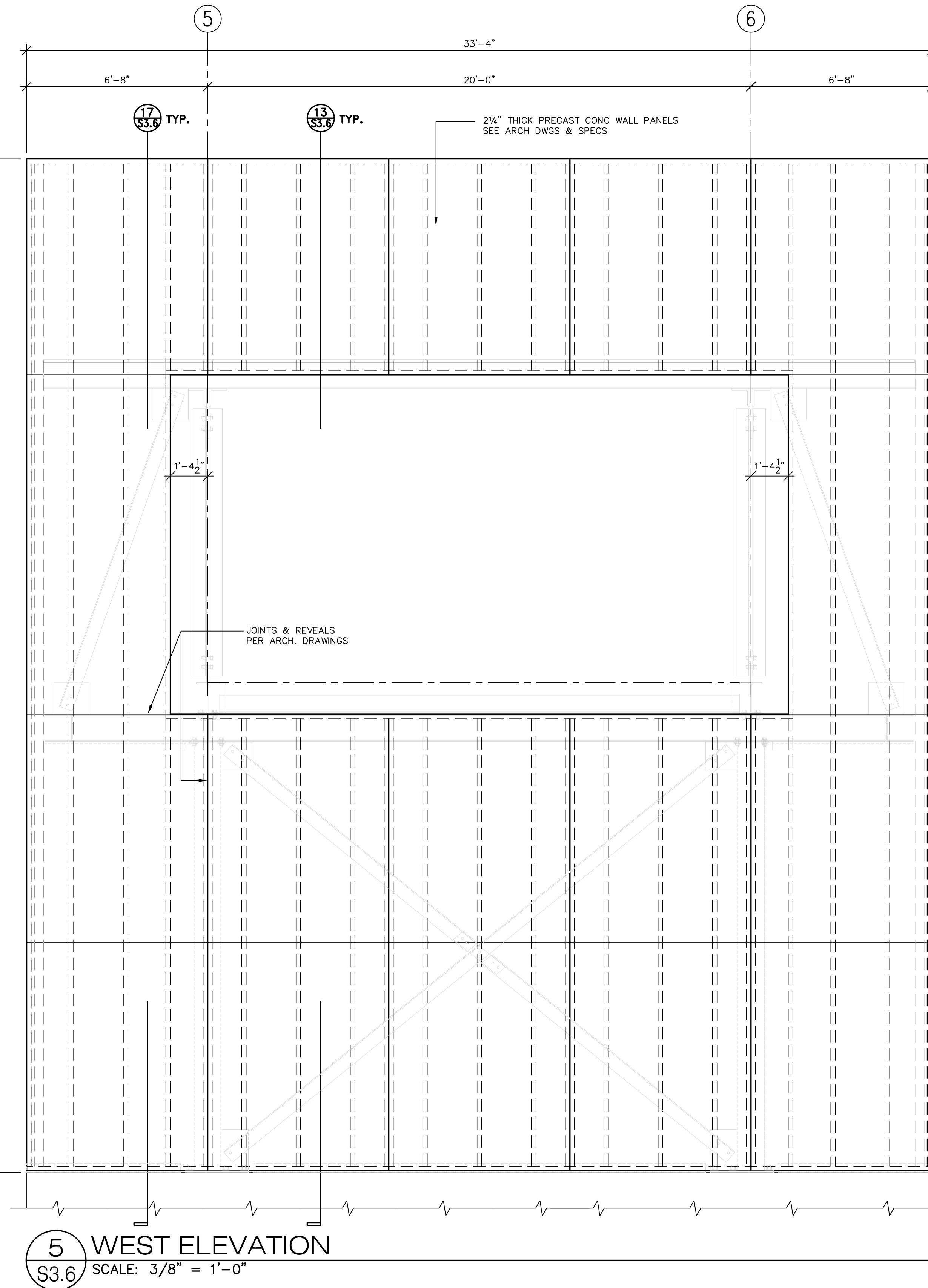
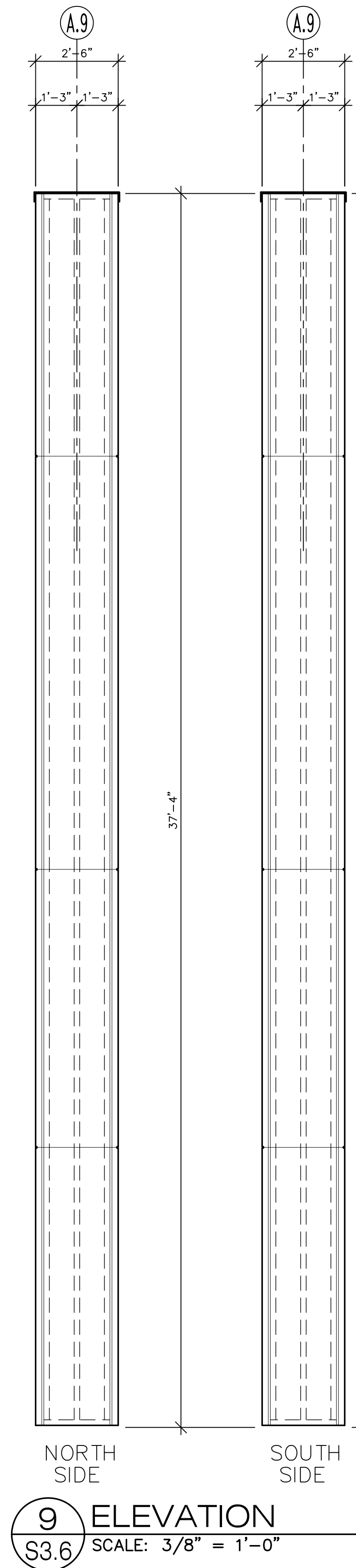
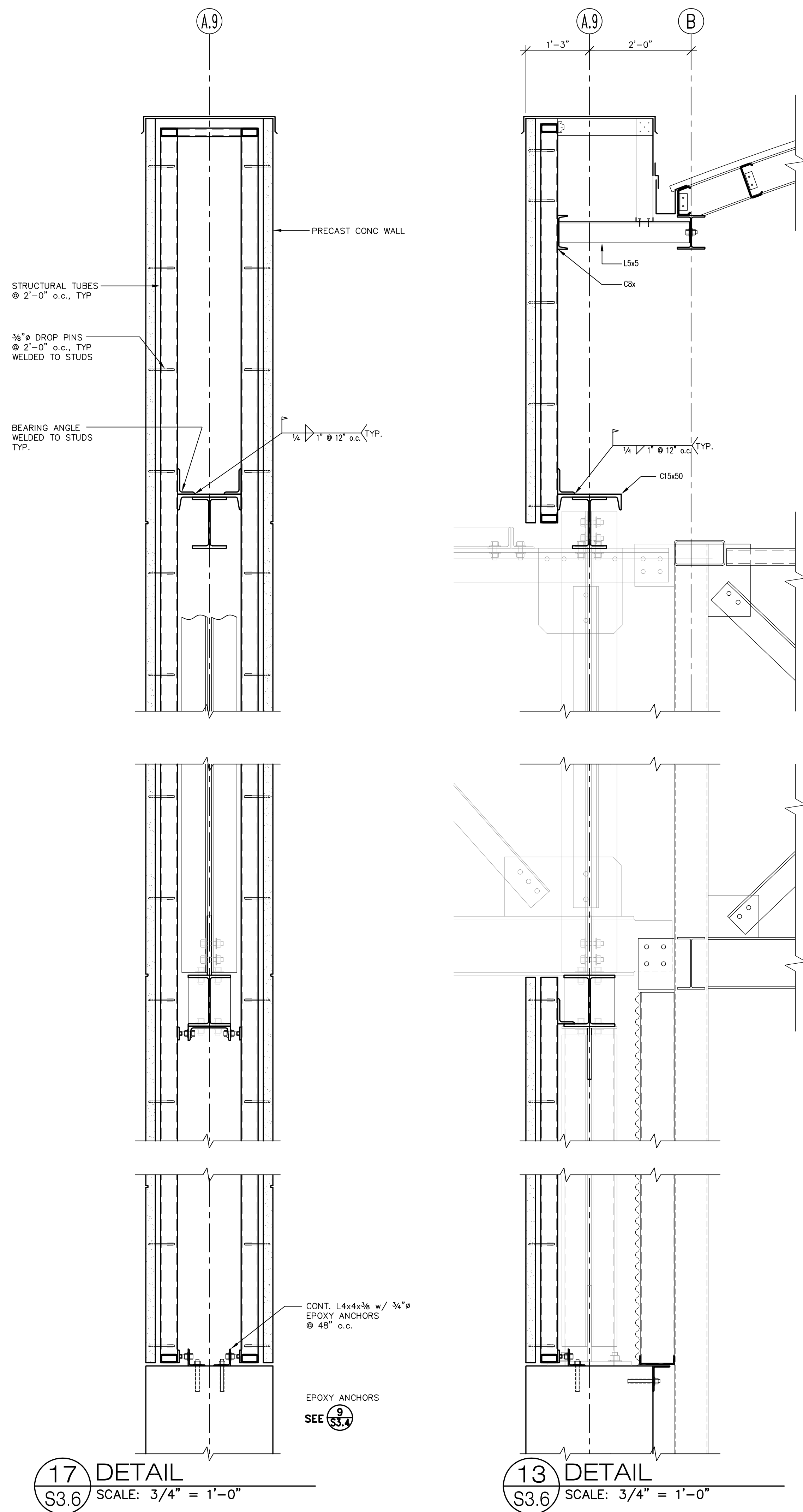


4 LINE A WALL - EAST ELEVATION
S3.5 SCALE: 3/8" = 1'-0"



1 LINE A WALL - WEST ELEVATION
S3.5 SCALE: 3/8" = 1'-0"

ACTION/REVISIONS:		BY
	04/06/2018	GK



Pacific Engineering Group, Inc.
30 Ryan Court, Suite 200
Monterey, CA 93940
ph: (831) 333-0644

LAGUNA SECA
START-FINISH BRIDGE
COUNTY OF MONTEREY

NEW START/FINISH BRIDGE
EAST CONC PANEL ELEVATIONS AND DETAILS

1201 Monterey-Salinas Highway
Salinas, California

PRELIMINARY
NOT FOR CONSTRUCTION

VALID WITH WET
SIGNATURE ONLY

ACTION/REVISIONS:		BY
04/06/2018	OK	

SCALE AS NOTED

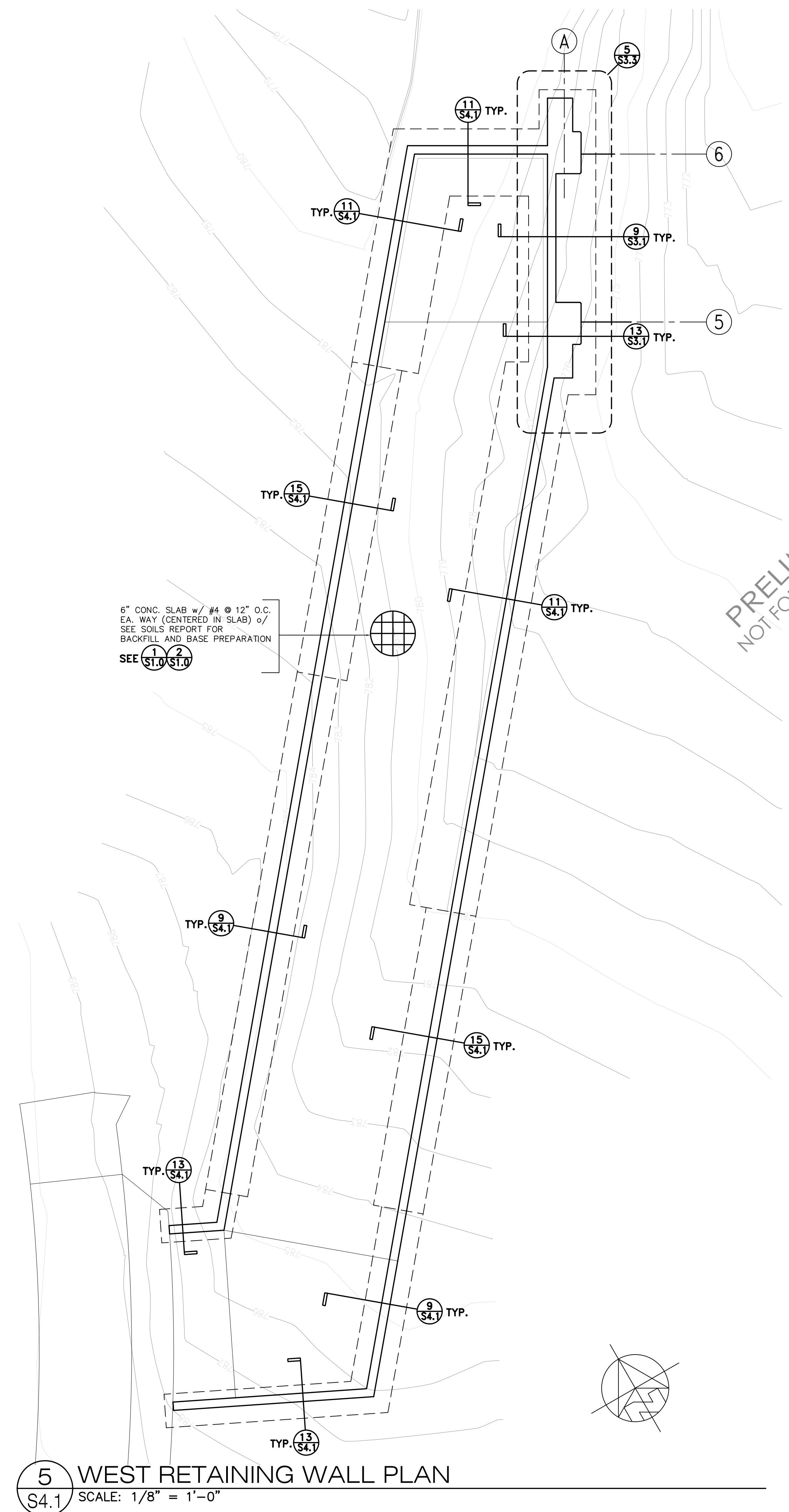
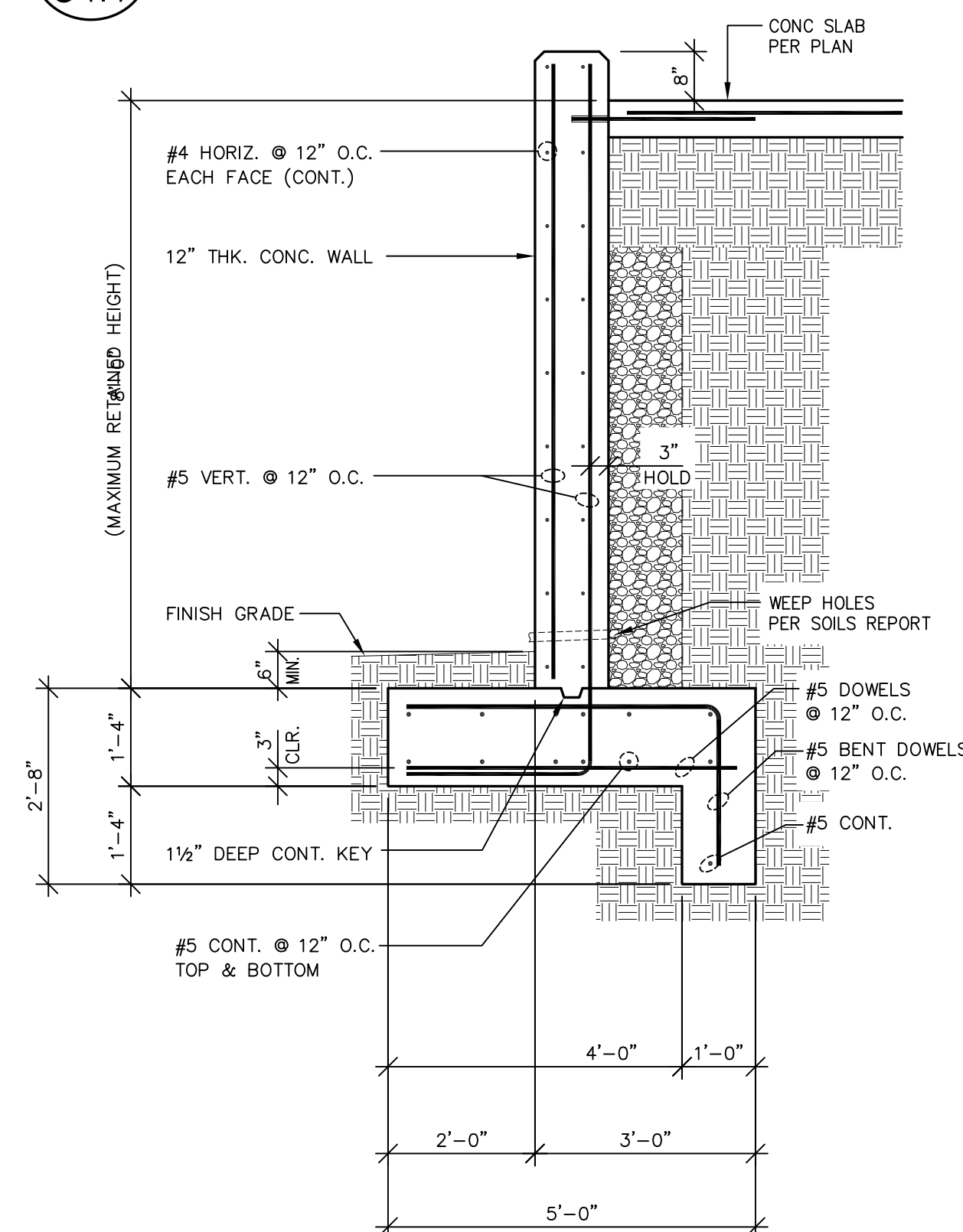
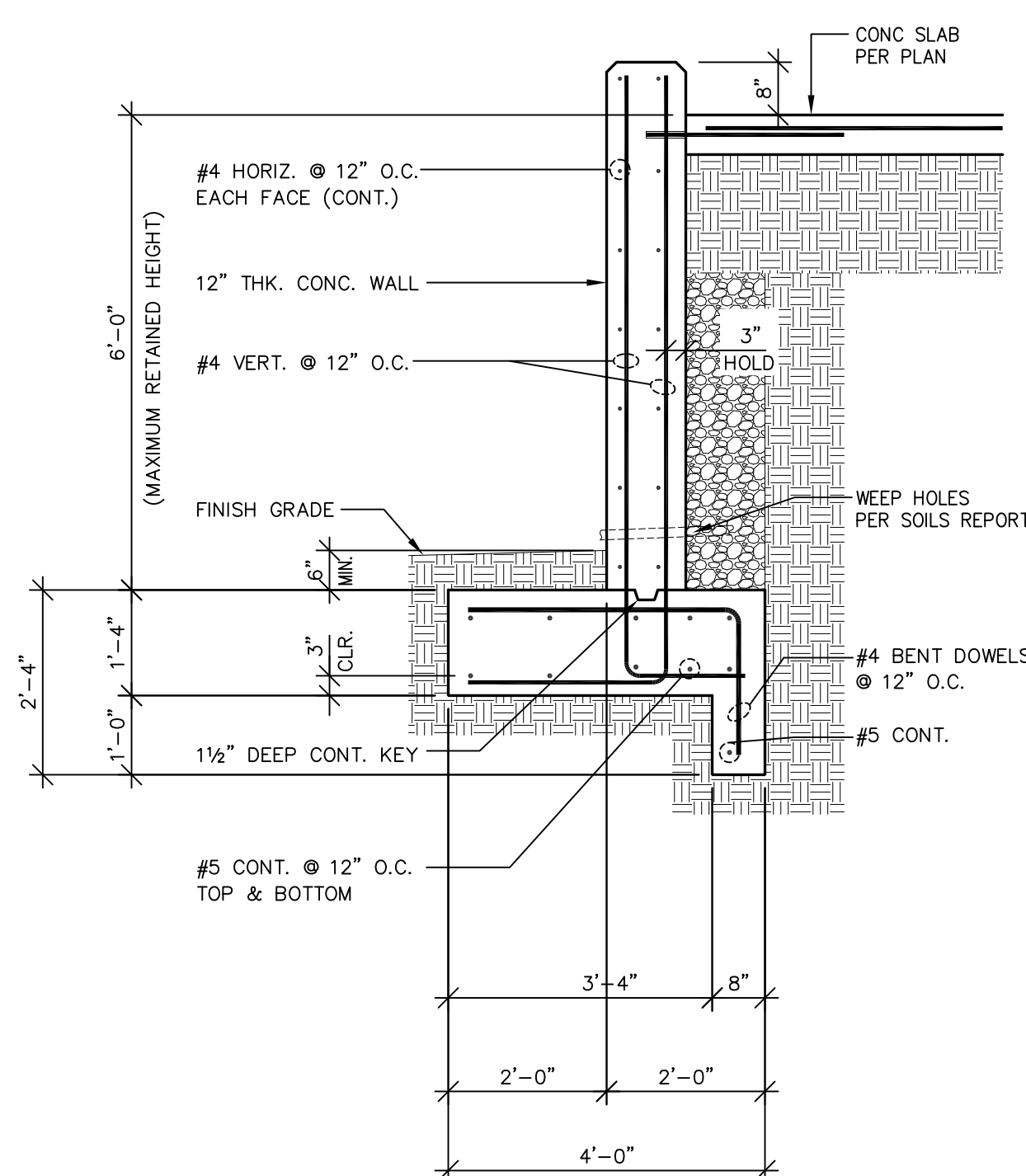
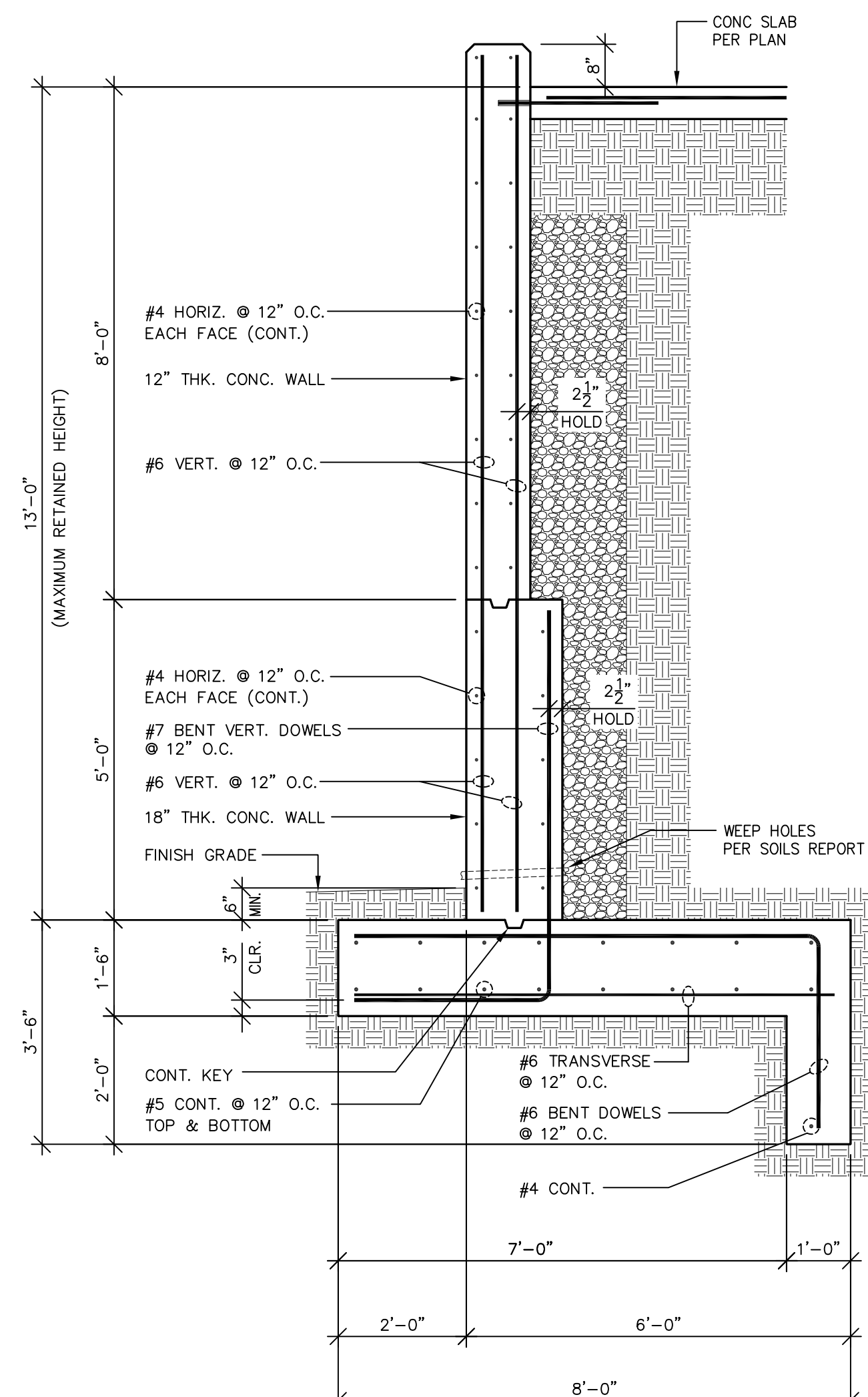
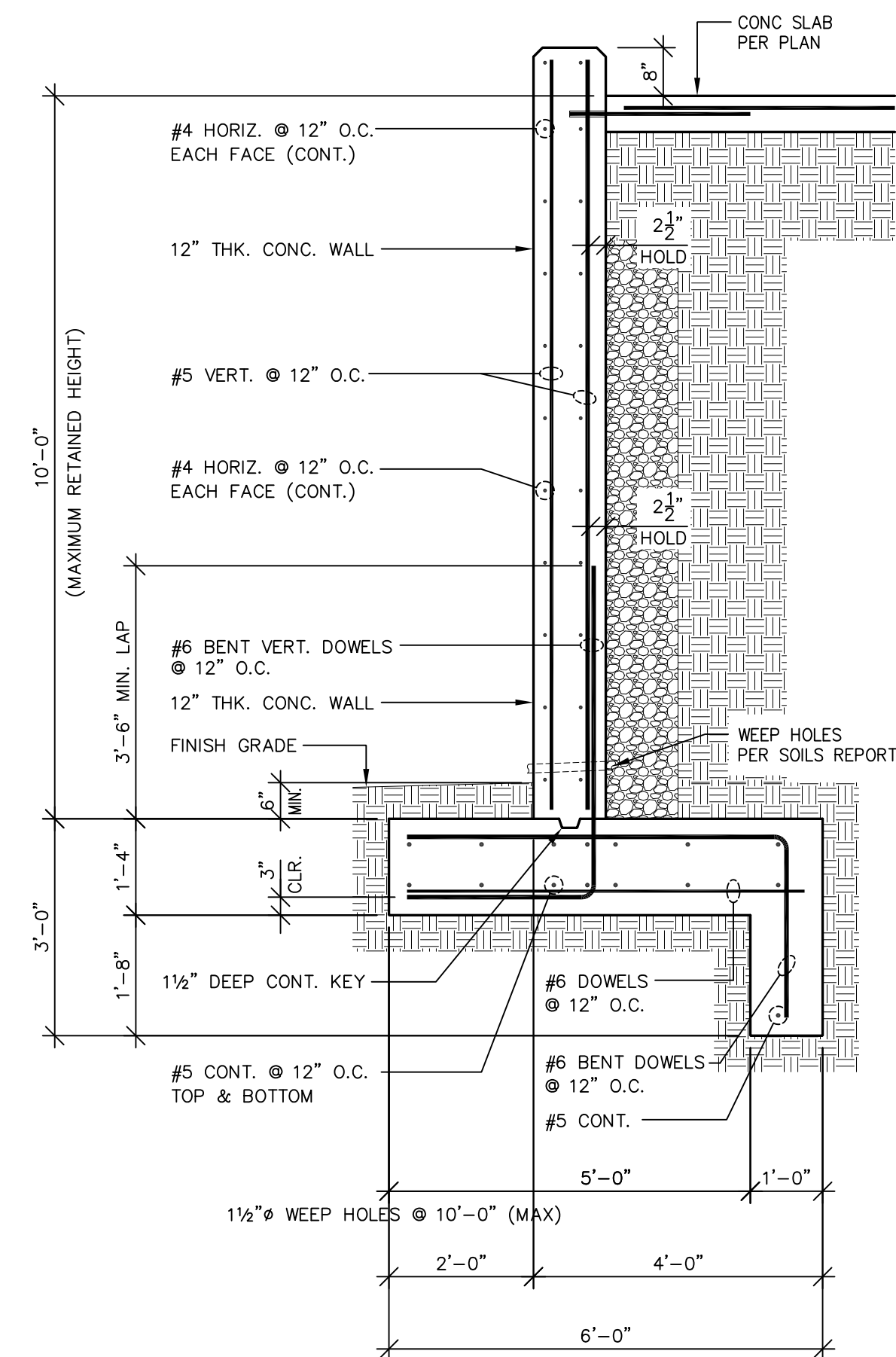
DRAWN GK/eb

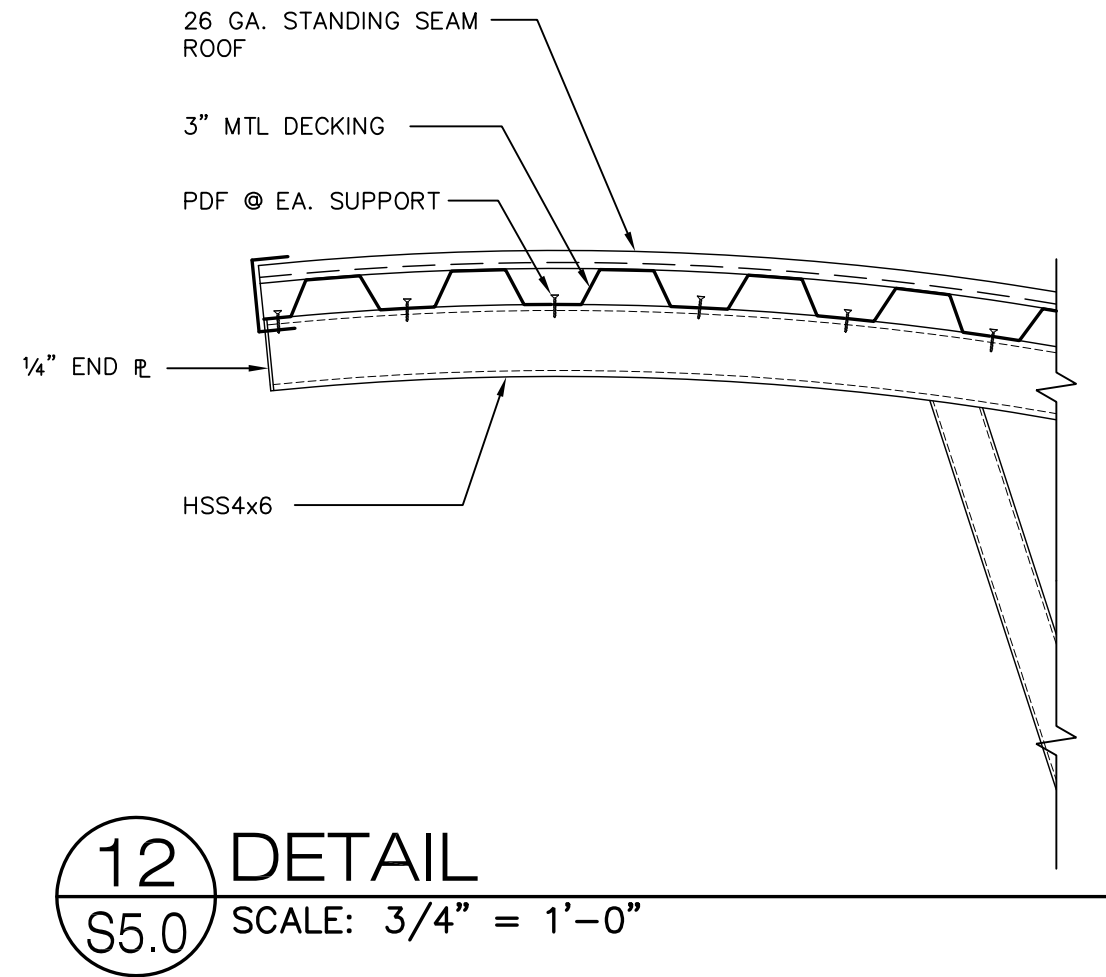
JOB 17-060

SHEET

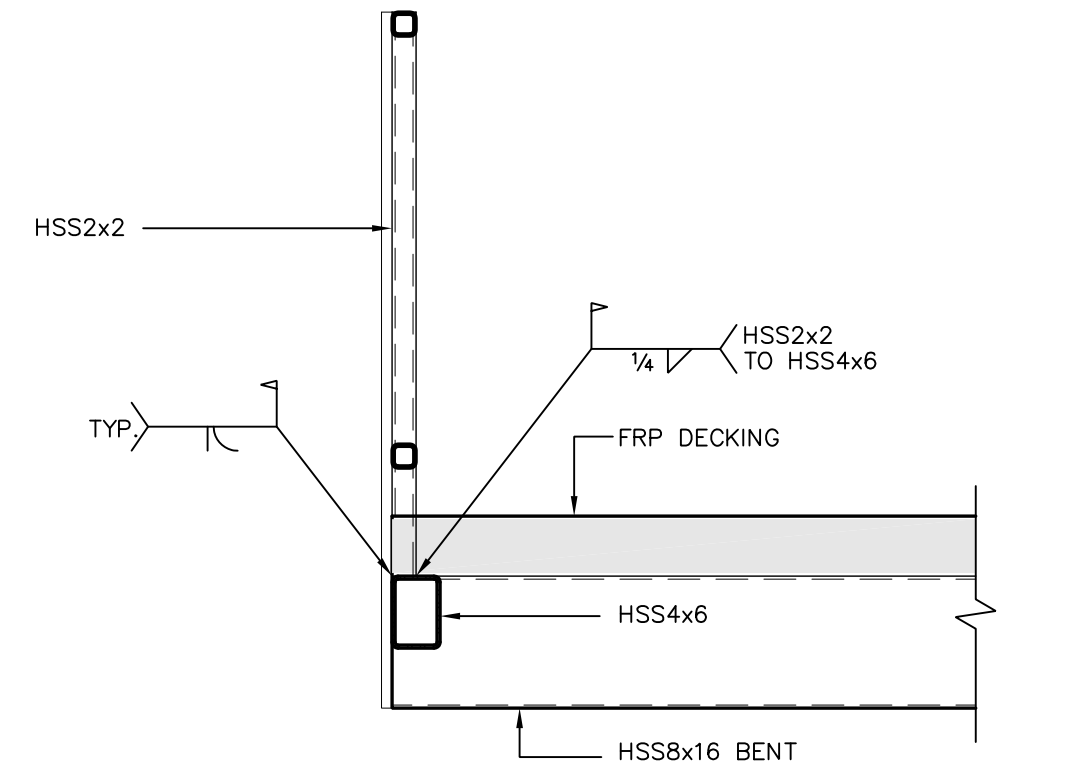
S3.6

OF SHEETS

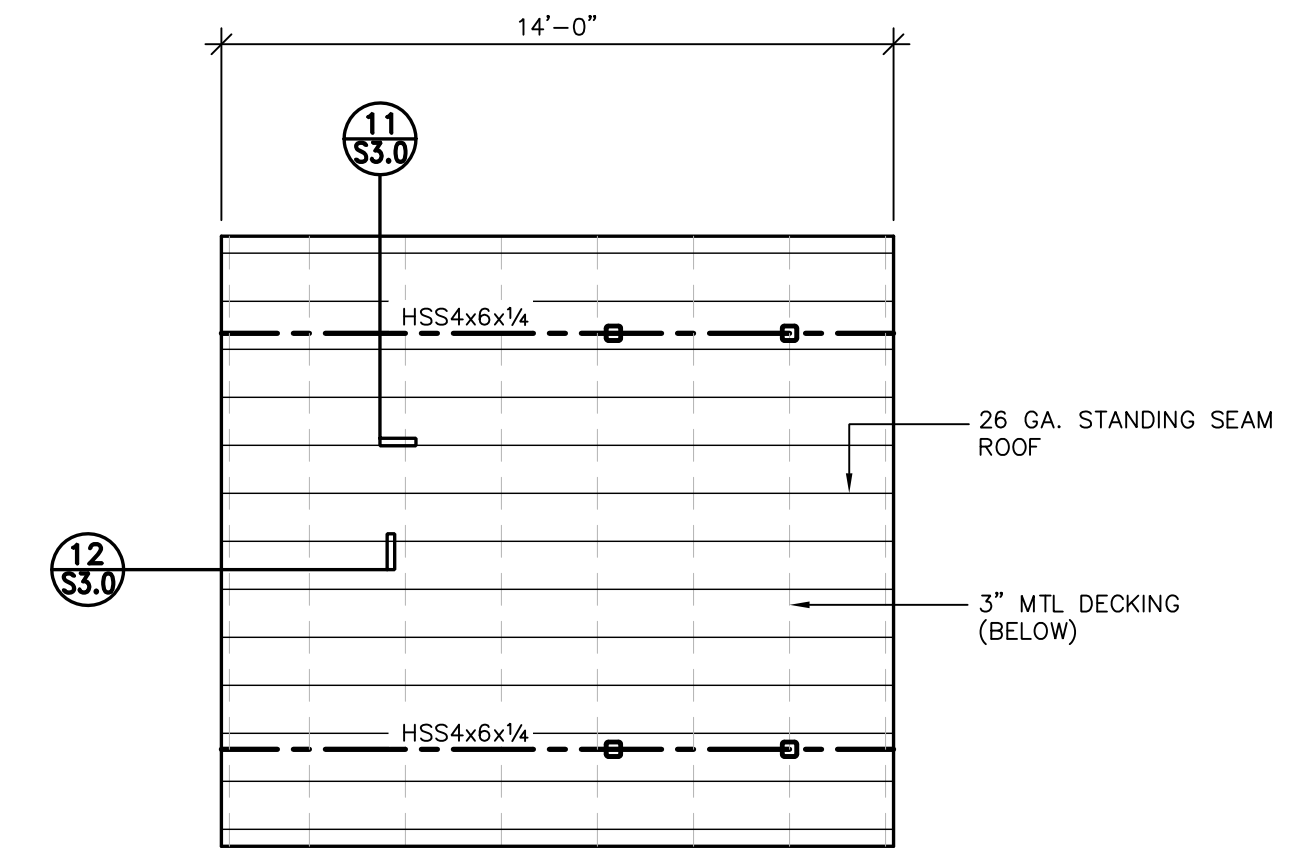
[illegible]



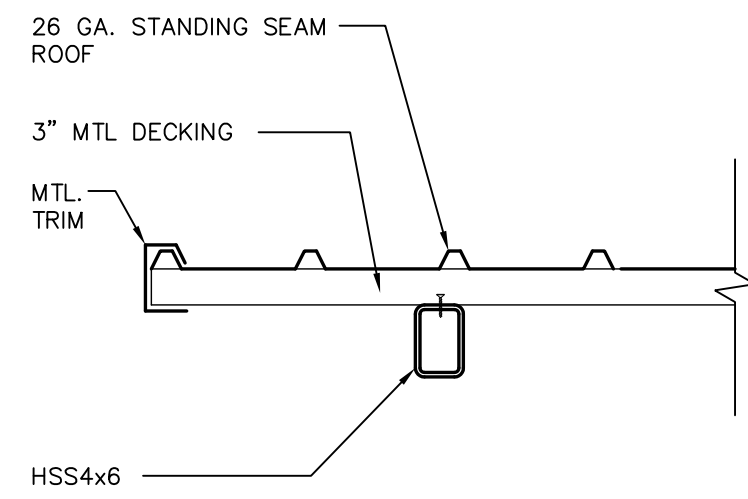
12
S5.0
DETAIL
SCALE: 3/4" = 1'-0"



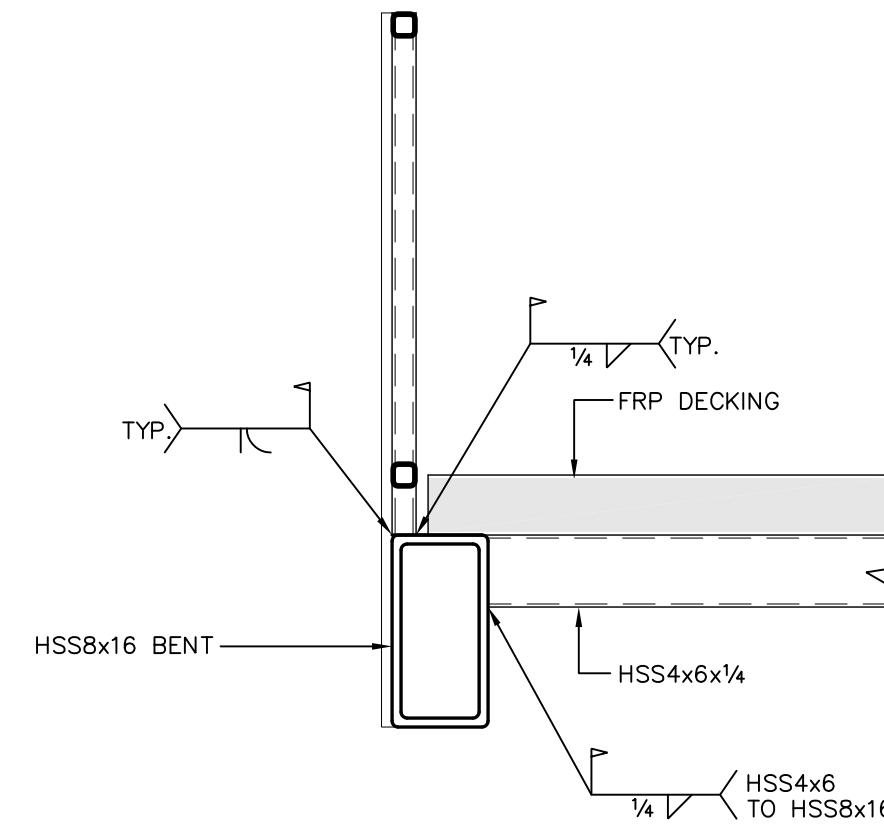
8
S5.0
DETAIL
SCALE: 3/4" = 1'-0"



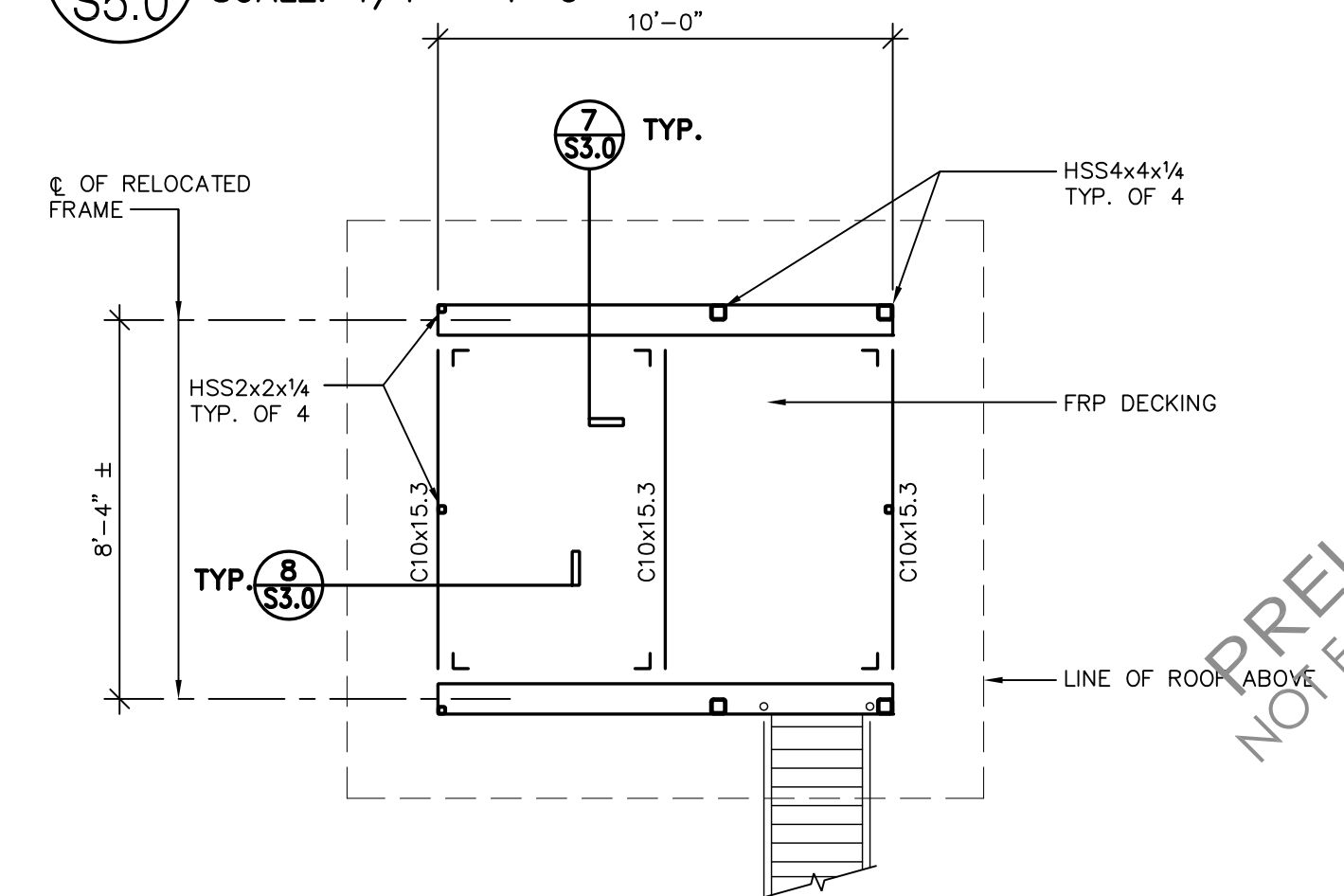
4
S5.0
ROOF FRMG. PLAN
SCALE: 1/4" = 1'-0"



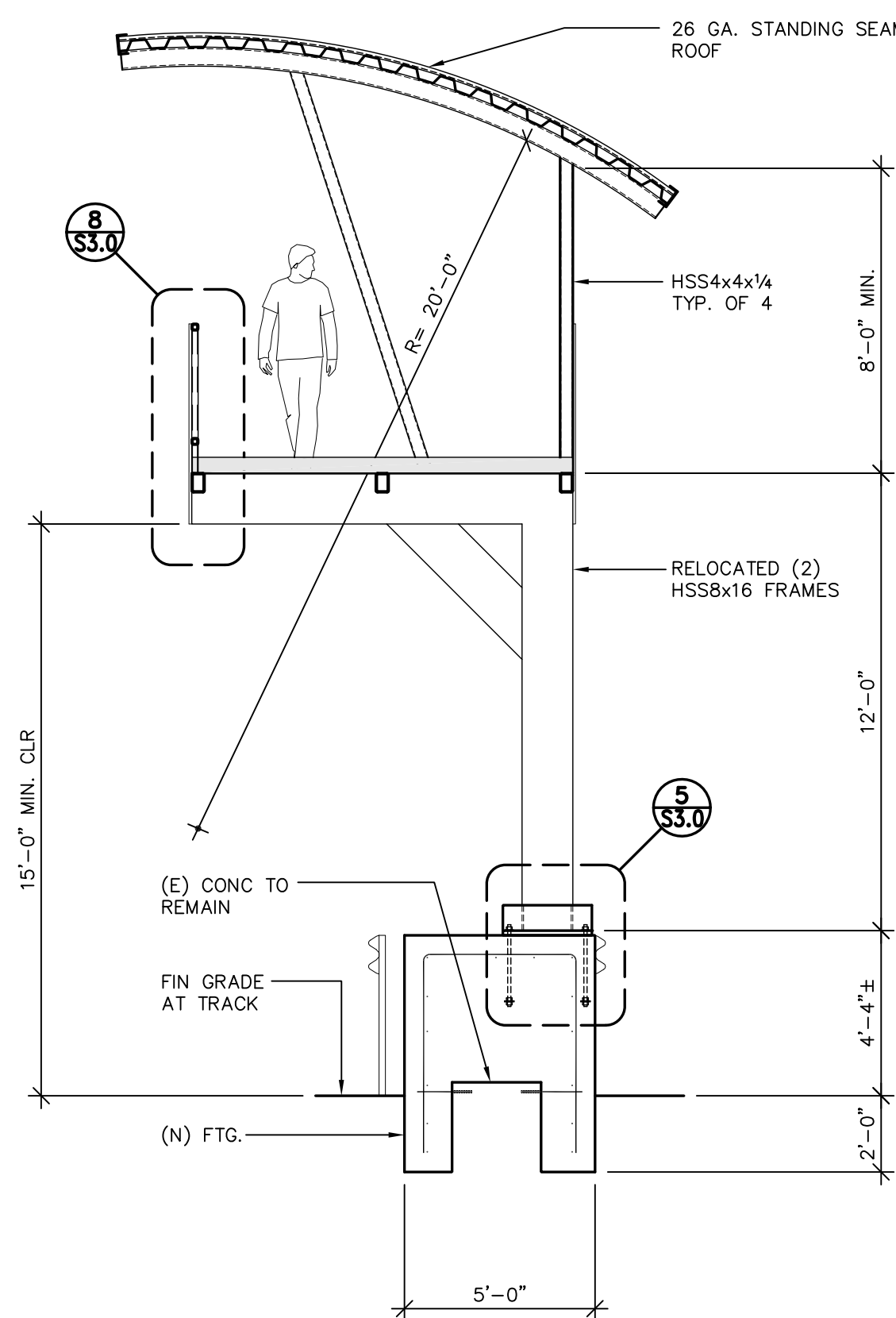
11
S5.0
DETAIL
SCALE: 3/4" = 1'-0"



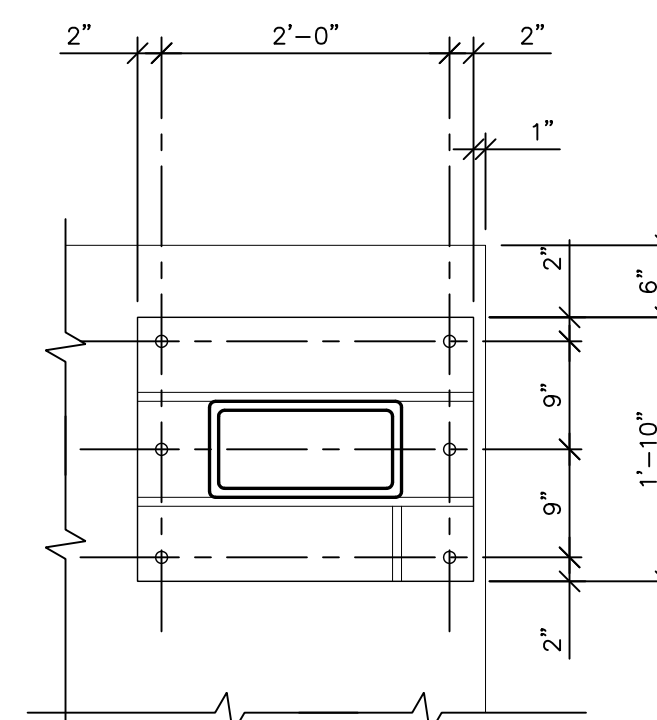
7
S5.0
DETAIL
SCALE: 3/4" = 1'-0"



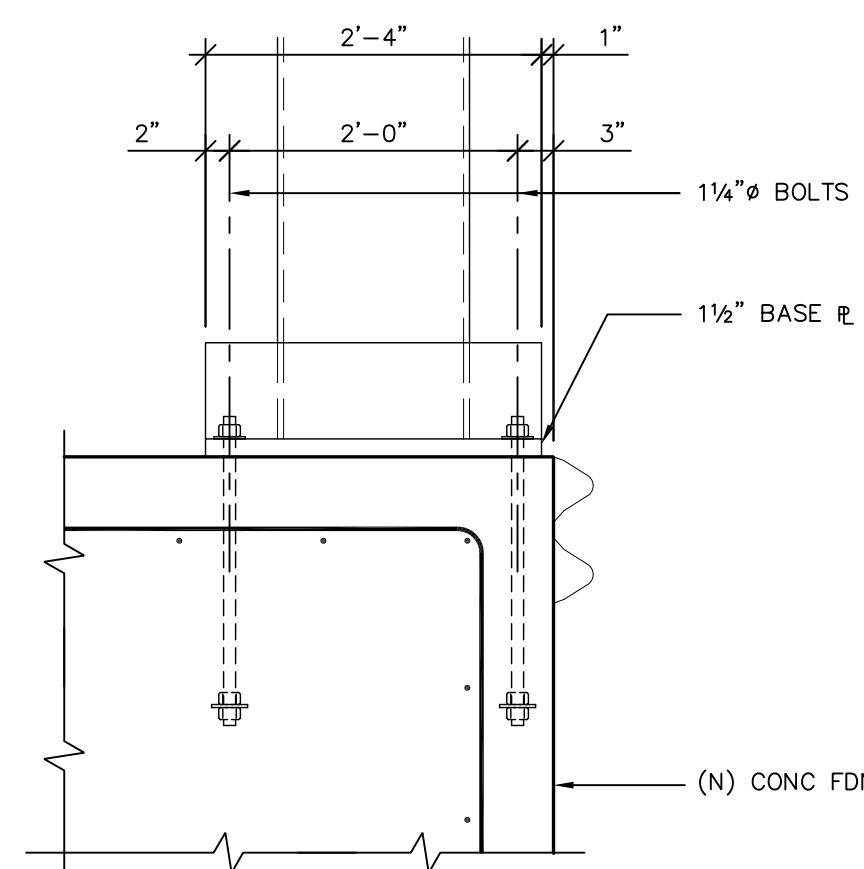
3
S5.0
PLATFORM FRAMING PLAN
SCALE: 1/4" = 1'-0"



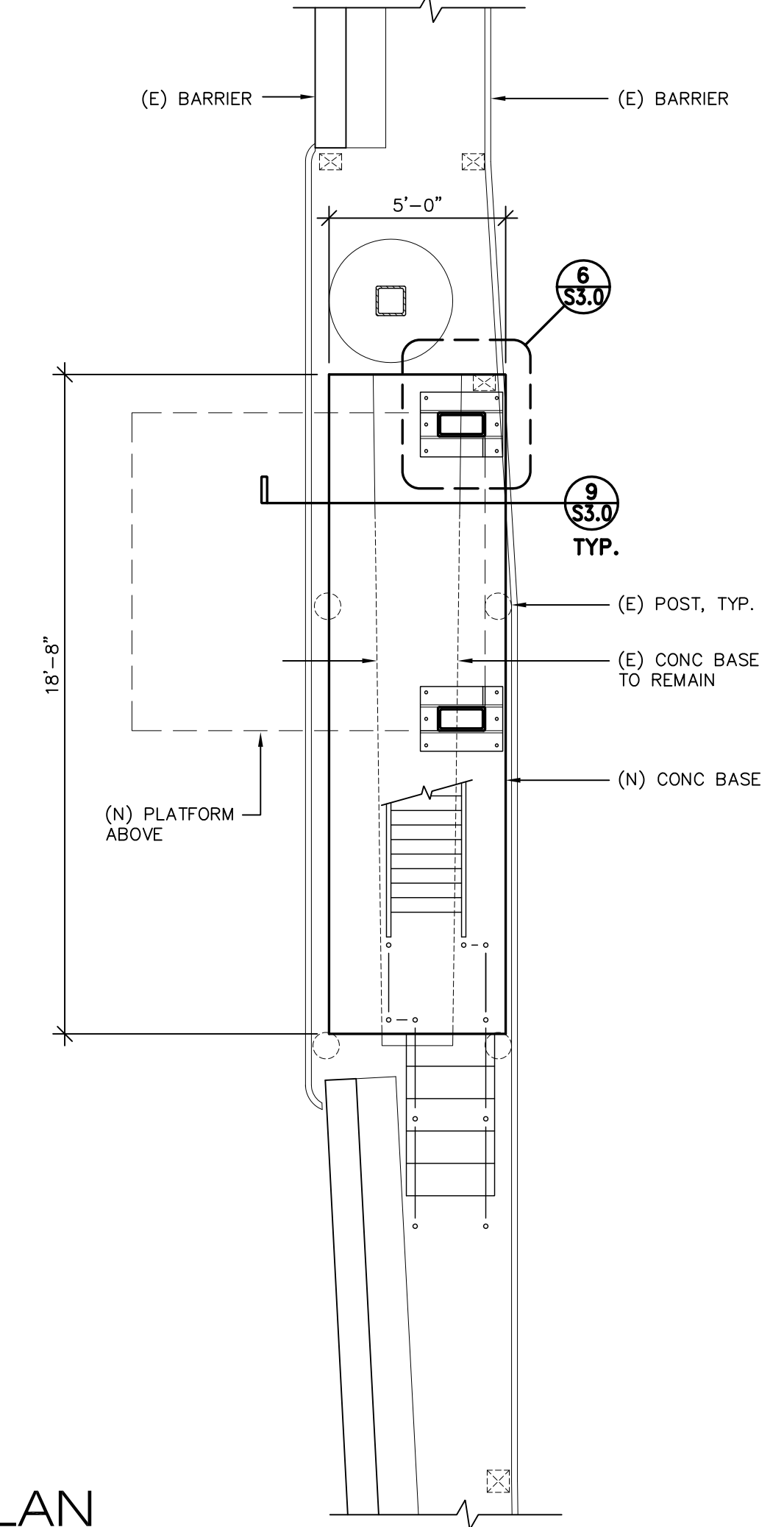
9
S5.0
SECTION
SCALE: 1/4" = 1'-0"



6
S5.0
DETAIL
SCALE: 1/4" = 1'-0"



5
S5.0
DETAIL
SCALE: 1/4" = 1'-0"



1
S5.0
PLAN
SCALE: 1/4" = 1'-0"

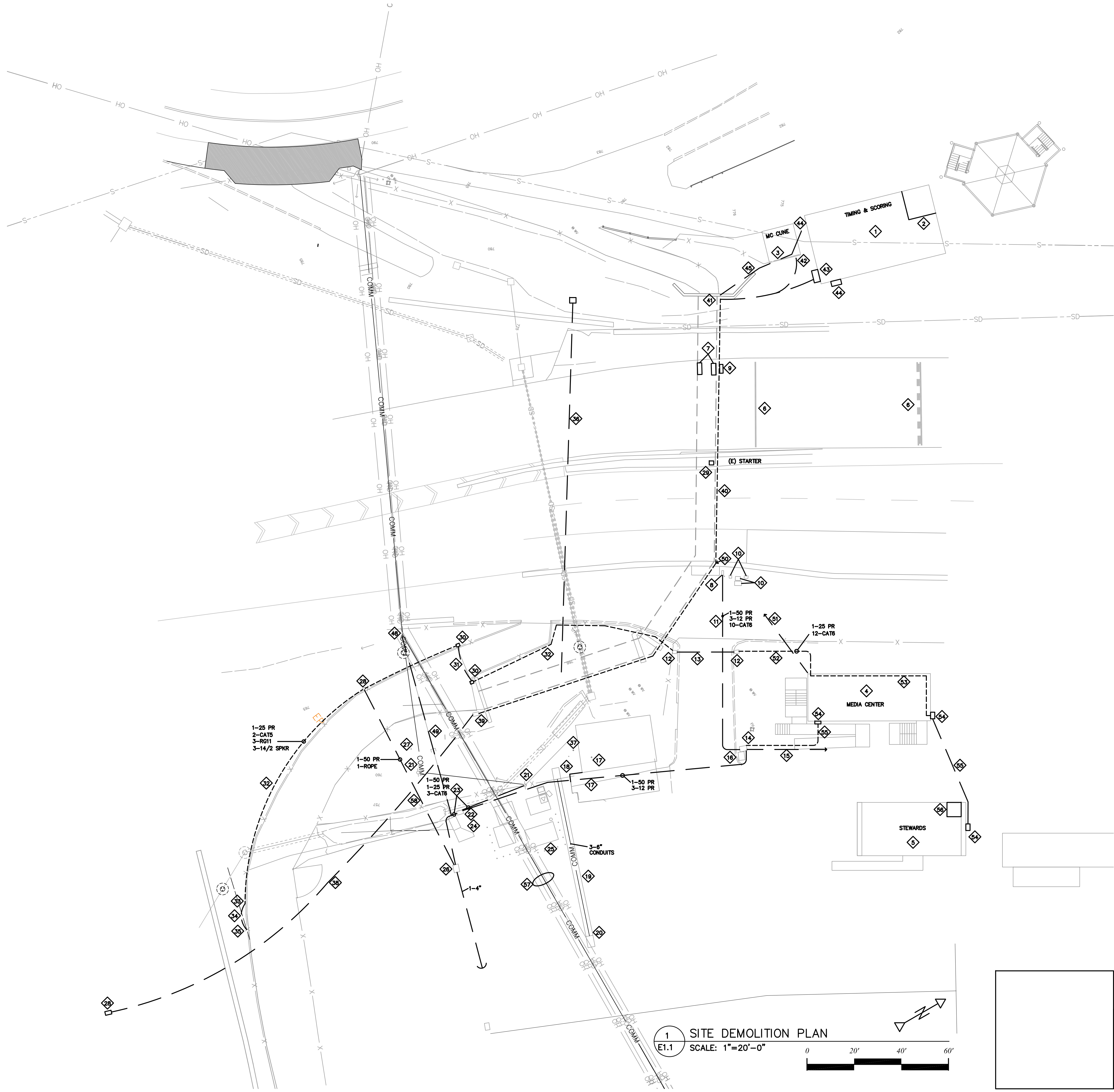
PRELIMINARY
NOT FOR CONSTRUCTION

Pacific Engineering Group, Inc.
30 Ryan Court, Suite 200
Monterey, CA 93940
ph: (831) 333-0644
fax: (831) 333-0645

LAGUNA SECA
START-FINISH BRIDGE
COUNTY OF MONTEREY
NEW STARTERS STAND
PLANS, SECTION AND DETAILS

ACTION/REVISIONS:		BY
	04/06/2018	GK

SCALE	AS NOTED
DRAWN	GK/eb
JOB	17-060
SHEET	
S5.0	
OF	SHEETS



- KEYED ELECTRICAL NOTES SHEET E1.1
- (E) SCORING AND TIMING BUILDING. SYSTEMS WIRING TO BE REMOVED WILL BE DISCONNECTED BY OTHERS AND REMOVED BY EC.
 - (E) DATA CLOSET. SYSTEMS WIRING TO BE REMOVED WILL BE DISCONNECTED BY OTHERS AND REMOVED BY EC.
 - (E) SOUND SYSTEM BUILDING. SYSTEMS WIRING TO BE REMOVED WILL BE DISCONNECTED BY OTHERS AND REMOVED BY EC.
 - (E) MEDIA CENTER BUILDING. SYSTEMS WIRING TO BE REMOVED WILL BE DISCONNECTED BY OTHERS AND REMOVED BY EC.
 - (E) STEWARDS BUILDING. SYSTEMS WIRING TO BE REMOVED WILL BE DISCONNECTED BY OTHERS AND REMOVED BY EC.
 - (E) LOOP TO TIMING AND SCORING.
 - (E) TIMING LIGHTS TO BE REMOVED AND RELOCATED.
 - (E) SYSTEMS CABINET TO BE REMOVED.
 - (E) STOP START LIGHTS TO BE REMOVED AND RELOCATED.
 - (E) PULL BOXES TO REMAIN.
 - (E) 4" SYSTEMS CONDUIT. REMOVE (E) WIRING.
 - (E) N-9 SYSTEMS BOX. REMOVE (E) WIRING.
 - (E) 4-2" SYSTEMS CONDUITS. REMOVE (E) WIRING.
 - (E) SYSTEMS BOX.
 - (E) 4" SYSTEMS CONDUIT TO NORTH GARAGE BUILDINGS.
 - (E) POWER PULL BOX.
 - (E) 4" SYSTEMS CONDUIT REMOVE (E) WIRING.
 - (E) SYSTEMS PULL BOX.
 - (E) 3-6" SYSTEMS CONDUITS. REMOVE (E) WIRING FROM NOTE 19 TO NOTE 20.
 - (E) SYSTEMS PULL BOX.
 - (E) TELEPHONE COMPANY POLE TO BE REMOVED.
 - (E) SYSTEMS PULL BOX.
 - (E) 2" CONDUIT WITH 1-50 PAIR, 1-25 PAIR, AND 3-CAT 5 CABLES. REMOVE (E) WIRING.
 - (E) PRIMARY VAULT TO REMAIN.
 - (E) MAIN SWITCHBOARD.SEE DETAIL 5/E4.1.
 - (E) SYSTEMS PULL BOX.
 - (E) TELEPHONE COMPANY PEDESTAL TO BE REMOVED.
 - (E) SYSTEMS PULL BOX.
 - (E) SYSTEMS TERMINAL CABINETS AT STARTERS STATION. REMOVE ALL SYSTEMS AND POWER CIRCUITS.
 - (E) N-9 PULL BOX TO BE REMOVED.
 - (E) 2" CONDUIT REMOVE (E) SYSTEMS WIRING.
 - REMOVE (E) SYSTEMS WIRING ON FENCE. 1-25 PR, 2-CAT 5, 3-RG11, AND 3-14/2 SPEAKER CIRCUITS.
 - (E) 4" CONDUIT STUBBED UP AT GATE.
 - (E) 4" CONDUIT. REMOVE (E) SYSTEMS WIRING SAME AS NOTE 32 TO NOTE 35.
 - (E) 4" CONDUIT STUB.
 - (E) 2-6" SYSTEMS CONDUITS. SEE DETAIL 1/E1.2.
 - REMOVE (E) 2-60 AMP POWER OUTLETS, CONDUIT, AND WIRING TO NOTE 46.
 - (E) 2" SYSTEMS CONDUITS. REMOVE (E) WIRING.
 - REMOVE (E) PULL BOX AT BRIDGE AND ALL WIRING.
 - REMOVE (E) 6-1.25", 2-2" SYSTEMS CONDUITS, AND 2-.75" POWER CONDUITS AND ALL WIRING ACROSS BRIDGE. REMOVE ALL (E) SYSTEMS WIRING LAYING ON BRIDGE ROOF AND SUSPENDED UNDER BRIDGE. REMOVE ALL SPEAKERS DNA TURN OVER TO MC CUNE.
 - REMOVE ALL CONDUITS, PULL CANS, AND WIRING ON BRIDGE ABUTMENT. 11-1.5", 2-3", AND 1-75" CONDUITS.
 - REMOVE ALL CONDUITS, PULL CANS, AND WIRING ON MC CUNE BUILDING. PATCH HOLES AS REQUIRED.
 - REMOVE ALL CONDUITS, PULL CANS, AND WIRING ON SCORING AND TIMING BUILDING. PATCH HOLES AS REQUIRED.
 - (E) POWER POLE.
 - REMOVE (E) OVERHEAD SYSTEMS WIRING FROM CORNER OF BRIDGE TO NOTE 44.
 - (E) 120/208 VOLT PANEL AND PULL CANS. REMOVE (E) POWER CORDS TO BRIDGE. SEE DETAIL 5/E4.1.
 - REMOVE (E) 2" CONDUIT TO NOTE 21 AND SYSTEMS WIRING.
 - (E) JOINT UTILITY COMPANY POLE.
 - (E) PG&E PRIMARY CONDUIT AND WIRING FROM NOTE 24 TO NOTE 48 TO BE RELOCATED. SEE DETAIL1/E1.2.
 - REMOVE (E) VERTICAL CONDUIT RISERS FROM BRIDGE AND ALL SYSTEMS WIRING.
 - REMOVE (E) OVERHEAD SYSTEMS WIRING FROM NOTE 50 TO MEDIA CENTER BUILDING.
 - REMOVE (E) SYSTEMS WIRING LAYING ON GROUND INTO BUILDING.
 - REMOVE (E) SYSTEMS WIRING LAYING ON ROOF AND DOWN TO NOTE 54.
 - (E) SYSTEMS CAN.
 - (E) 4" UG CONDUIT. REMOVE ALL UNUSED AND ABANDONED SYSTEMS WIRING.
 - (E) IDF IN STEWARDS BUILDING.
 - (E) OVERHEAD PRIMARY WIRING TO BE RELOCATED UNDERGROUND. SEE DETAIL 1/E1.2.
 - (E) 4" CONDUIT WITH 1-50 PAIR CABLE TO BE REMOVED AND RELOCATED.

- GENERAL NOTES
- LETTER AND NUMBER ADJACENT TO OUTLETS INDICATES PANEL AND CIRCUIT NUMBER TYPICAL.
 - ALL FIBER OPTIC CABLING TO BE REMOVED BY OTHERS NOT IN THIS CONTRACT.
 - ALL SYSTEMS AND POWER CONDUITS WITH WIRING ON BRIDGE AND ADJACENT AREAS TO BE REMOVED.
 - ALL SYSTEMS CONDUITS AT TERMINATION LOCATIONS IN BUILDINGS TO BE DISCONNECTED BY OTHERS FOR REMOVAL BY ELECTRICAL CONTRACTOR (EC).
 - ALL SYSTEMS WIRING WILL BE FURNISHED AND INSTALLED BY OTHERS UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 - ALL (E) AND NEW SYSTEMS CONDUITS 2" AND LARGER TO HAVE 2-3/8" PULL ROPES.
 - ALL (E) AND NEW SYSTEMS CONDUITS UNDER 2" TO HAVE 2 #12 THWN PULL WIRES.

Project / Owner:

LAGUNA SECA START-FINISH BRIDGE

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA.

APN: 173-011-023-000

THE
PAUL DAVIS
PARTNERSHIP
ARCHITECTS & PLANNERS

The Paul Davis Partnership, LLP
286 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7439
EMAIL: info@pauldavispartnership.com

Drawn By: GP

Drawing Date: 3/28/18

Project Number: 1725

Revisions:

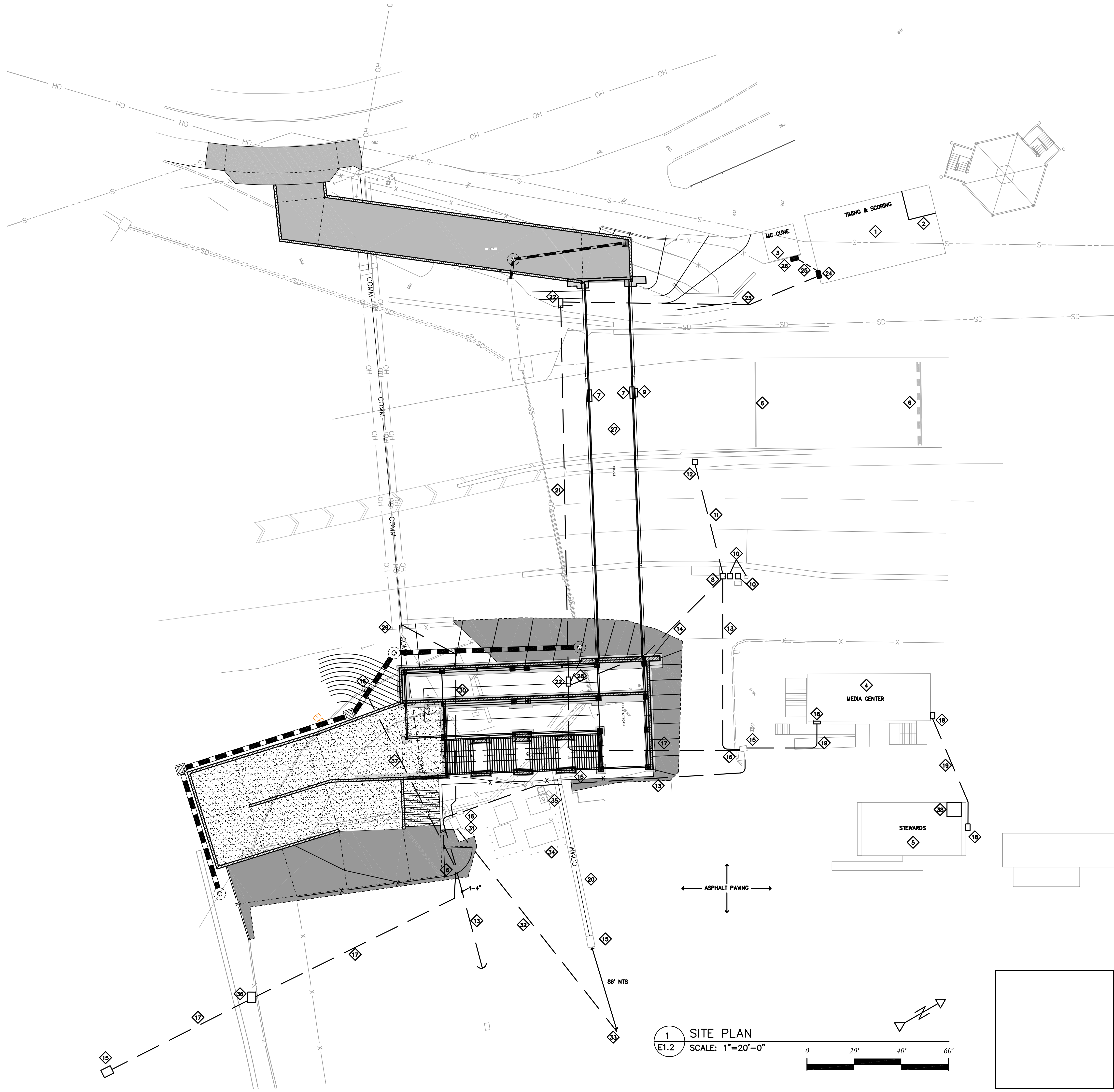
The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.

Sheet Title:
SITE DEMO PLAN

Sheet Number:

E1.1

IN ASSOCIATION WITH:	
LIGHTWORKS, INC. 26403 Lucie Lane Salinas, CA 93908 PH. 831-598-3667 ltwks@aol.com	MIRACLES UNLIMITED, INC. PO Box 1808 Aptos, CA 95001-1808 PH. 831-688-8013 Fax. 831-688-0201
THE USE OF THESE PLANS AND SPECIFICATIONS IS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. RE-USE, REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS WITH LIGHTWORKS, INC., AND VISUAL CONTACT WITH THEM CONSTITUTES PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS.	



- KEYED ELECTRICAL NOTES SHEET E1.2
- (E) SCORING AND TIMING BUILDING.
 - (E) DATA CLOSET.
 - (E) SOUND SYSTEM BUILDING.
 - (E) MEDIA CENTER BUILDING.
 - (E) STEWARDS BUILDING.
 - (E) LOOP TO TIMING AND SCORING.
 - RELOCATED TIMING LIGHTS. SEE DETAIL 1/E2.1.
 - SYSTEMS CABINET. 24" X 24" X 6" DEEP. NEMA 4X, PVC, PULL CAN WITH HINGED COVER AT +24" AFG. B-LINE #242410-4XF. SEE DETAILS E/E4.1 AND 4/E4.1.
 - RELOCATED STOP / START / CAUTION LIGHTS. SEE DETAIL 1/E2.1.
 - (E) PULL BOXES TO REMAIN.
 - SAWOUT HOLES AT EACH END AND PROVIDE HORIZONTAL BORING FOR 1-2" SYSTEMS CONDUIT AND 1-1.25" POWER CONDUIT. PATCH PAVEMENT TO MATCH (E).
 - STARTER STATION. SEE DETAIL 6/E4.1.
 - (E) 1-4" SYSTEM CONDUIT.
 - 1-1" POWER CONDUIT FOR BRIDGE POWER AND 1-2" SYSTEMS CONDUIT TO NOTE 10. SEE DETAIL 1/E2.1.
 - (E) SYSTEMS PULL BOX.
 - (E) POWER PULL BOX.
 - 1-4" SYSTEMS CONDUIT. SEE DETAIL 1/E4.1.
 - (E) 24" X 24" X 10" DEEP SYSTEMS CAN.
 - (E) 4" SYSTEMS CONDUIT.
 - (E) 3-6" SYSTEMS CONDUITS.
 - (E) 2-6" UG SYSTEMS CONDUITS. LOCATED AND EXTEND TO NOTES 22.
 - SYSTEMS PULL BOX. CHRISTY N-44 WITH BASE SLAB, 1-EXTENSION, AND CONCRETE LID MARKED 'SYSTEMS'. SEE DETAIL 2/E4.1.
 - 3-4" SYSTEMS CONDUITS. SEE DETAIL 1/E4.1.
 - 24" X 24" X 6" DEEP, NEMA 4X, PVC, PULL CAN WITH HINGED COVER AT +24" AFG. B-LINE #242410-4XF. CUT (C) 2 X 6 TRIM AROUND BUILDING AND MOUNT PANEL OVER VENT. STUB 2-4" CONDUITS INTO CRAWL SPACE.
 - 1-4" SYSTEMS CONDUIT.
 - 20" X 16" X 12" DEEP, NEMA 4X, PVC PULL CAN WITH HINGED COBER AT +24" AFG. B-LINE #201612-4XF. STUB 1-4" CONDUIT INTO BUILDING.
 - SEE DETAILS 1/E2.1 AND 1/E2.2 FOR WORK ON BRIDGE.
 - 1-4" SYSTEMS CONDUIT STUBBED UP AT BASE OF BRIDGE.
 - (E) POWER POLE WITH (E) RISER.
 - 1-4" UG PG&E PRIMARY CONDUIT WITH 36" OF COVER.
 - (E) PG&E PRIMARY PULL BOX.
 - 1-4" UG PG&E PRIMARY CONDUIT WITH 36" OF COVER. SEE DETAIL 1/E4.1.
 - (E) POWER POLE.
 - (E) MAIN SWITCHBOARD. 2500 AMP, 277/480 VOLT, 3 PHASE, 4 WRE. SEE DETAIL 5/E4.1.
 - (E) PANEL 'LS'. 120/208 VOLT, 3 PHASE, 4 WIRE. SEE DETAIL 5/E4.1.
 - SYSTEMS PULL BOX. CHRISTY N-30 WITH BASE SLAB, 1-EXTENSION, AND CONCRETE LID MARKED 'SYSTEMS'. SEE DETAIL 2/E4.1.
 - 1-4" CONDUIT WITH 1-50 PAIR WP TELEPHONE CABLE. SPLICE TO (E) CABLES AT EACH END.
 - (E) IDF IN STEWARDS BUILDING.

- GENERAL NOTES
- LETTER AND NUMBER ADJACENT TO OUTLETS INDICATES PANEL AND CIRCUIT NUMBER TYPICAL.
 - ALL FIBER OPTIC CABLING TO BE REMOVED BY OTHERS NOT IN THIS CONTRACT.
 - ALL SYSTEMS AND POWER CONDUITS WITH WIRING ON BRIDGE AND ADJACENT AREAS TO BE REMOVED.
 - ALL SYSTEMS CONDUITS AT TERMINATION LOCATIONS IN BUILDINGS TO BE DISCONNECTED BY OTHERS FOR REMOVAL BY ELECTRICAL CONTRACTOR (EC).
 - ALL SYSTEMS WIRING WILL BE FURNISHED AND INSTALLED BY OTHERS UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 - ALL (E) AND NEW SYSTEMS CONDUITS 2" AND LARGER TO HAVE 2-3/8" PULL ROPES.
 - ALL (E) AND NEW SYSTEMS CONDUITS UNDER 2" TO HAVE 2 #12 THWN PULL WIRES.

Project / Owner:

LAGUNA SECA START-FINISH BRIDGE

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA.

APN: 173-011-023-000

THE
PAUL DAVIS
PARTNERSHIP
ARCHITECTS & PLANNERS

The Paul Davis Partnership, LLP
286 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com

Drawn By: GP

Drawing Date: 3/28/18

Project Number: 1725

Revisions:

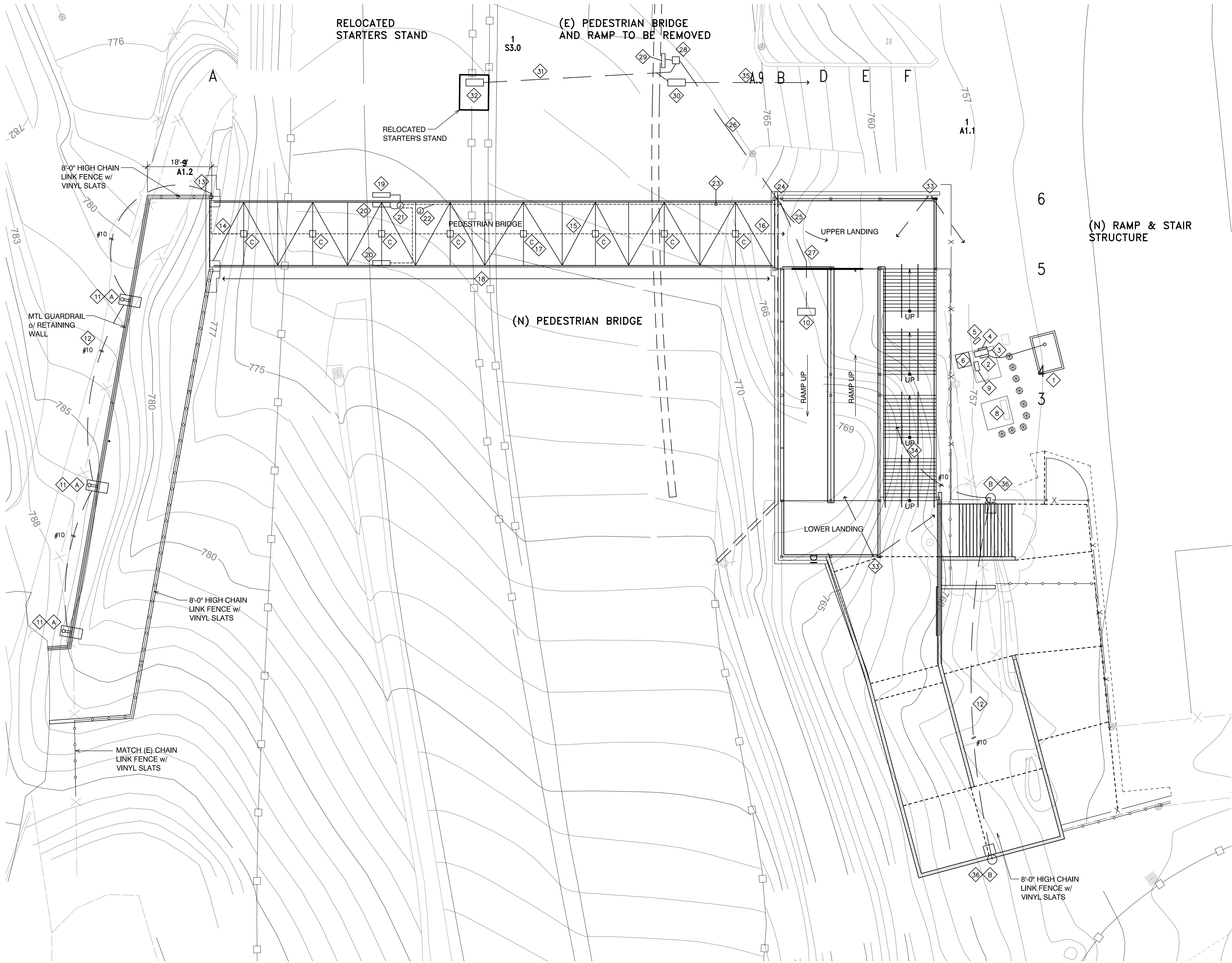
The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.

Sheet Title:
SITE PLAN

Sheet Number:

E1.2

IN ASSOCIATION WITH: LIGHTWORKS, INC. 26403 Lucie Lane Salinas, CA 93908 PH. 831-598-3667 ltwks@aol.com		MIRACLES UNLIMITED, INC. PO Box 1808 Aptos, CA 95001-1808 PH. 831-688-8013 Fax. 831-688-0201
THE USE OF THESE PLANS AND SPECIFICATIONS IS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. RE-USE, REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS WITH LIGHTWORKS, INC., AND VISUAL CONTACT WITH THEM CONSTITUTES PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS.		



- KEYED ELECTRICAL NOTES SHEET E2.1
- (E) MAIN SWITCHBOARD. 2500 AMP, 277/480 VOLT, 3 PHASE, 4 WRE. SEE DETAIL 5/E4.1.
 - (E) PULL BOX MOUNTED ON REAR OF SECTION.
 - (E) PULL SECTION.
 - (E) PANEL 'LS'. 120/208 VOLT, 3 PHASE, 4 WIRE. SEE DETAIL 5/E4.1.
 - (E) PULL BOX.
 - (E) TRANSFORMER. 75 KVA, 480 VOLT, 3 PHASE, 3 WIRE TO 120/208 VOLT, 3 PHASE, 4 WIRE.
 - (E) 2-4" UG CONDUITS.
 - (E) ABANDONED PAD.
 - LIGHTING INVERTER. SEE DETAIL 5/E4.1.
 - SYSTEMS PULL BOX. SEE DETAIL 1/E1.2.
 - POLE AND BASE. BASE IS INTEGRATED INTO STEM WALL.
 - .75" UG CONDUIT WITH 2 #10 THWN CU. TO BRIDGE LIGHTING CIRCUIT.
 - ROUTE .75" RIGID STEEL CONDUIT UP STRUCTURE AND LB ONTO ROOF.
 - STRAP CONDUITS AT ALL DIAGONAL BRACING WITH MALLEABLE IRON ONE HOLE CLAMPS, CLAMP BACKS, AND 1/4" STAINLESS STEEL BOLTS AND NUTS.
 - .5" RIGID STEEL CONDUIT WITH 2 #10 THWN CU. & #12 CU. GR. TYPICAL.
 - CONDUIT TO FIXTURE AT RAMP. SEE DETAIL 1/E2.2.
 - BOLT 'C' FIXTURES TO BOTTOM OF 6" I-BEAMS WITH 2-1/4" STAINLESS STEEL NUTS AND BOLTS. SEAL ALL UNUSED OPENINGS IN REAR OF FIXTURE BACKBOX WITH SILICONE.
 - 4" IMC CONDUIT STRAPPED TO BOTTOM OF BRIDGE WITH STAINLESS STEEL STRUT AND STAINLESS STEEL STRUT STRAPS. BOLT STRUT TO BEAMS WITH 3/8" STAINLESS STEEL BOLTS, NUTS, AND WASHERS. CONDUIT TO BE ROUTED DOWN TO 3" AFG ON EACH END. SEE DETAIL 8/E4.1.
 - RELOCATED STOP / START / CAUTION LIGHTS. .75" CONDUIT TO NOTE 21 WITH 7 #14 THWN CU.
 - RELOCATED TIMING LIGHTS. .5" CONDUIT TO NOTE 21 WITH 3 #12 THWN CU. AND .75" CONDUIT TO NOTE 22.
 - 12" X 12" X 6" DEEP NEMA 4X PULL CAN MOUNTED COVER DOWN FOR POWER MOUNTED ON TOP OF BRIDGE.
 - 12" X 12" X 6" DEEP NEMA 4X PULL CAN MOUNTED COVER DOWN FOR SYSTEMS MOUNTED ON TOP OF BRIDGE.
 - 1.5" SYSTEMS CONDUIT AND 2-1" POWER CONDUITS. STRAP CONDUITS TO TOP OF BEAMS WITH STAINLESS STEEL STRUT AND STAINLESS STEEL STRUT STRAPS. BOLT STRUT TO BEAMS WITH 5/16" STAINLESS STEEL BOLTS, NUTS, AND WASHERS. SEE DETAIL 8/E4.1.
 - ROUTE CONDUITS DOWN BRIDGE STRUCTURE.
 - 1" POWER CONDUIT FROM NOTE 21 TO NOTE 4 WITH 6 #10 THWN CU.
 - 1" POWER CONDUIT FROM NOTE 21 TO NOTE 28 WITH 7 #14 THWN CU. AND 2" SYSTEMS CONDUIT FROM NOTE 30 TO NOTE 10.
 - 1.25" SYSTEMS CONDUIT TO NOTE 10 AND 1-2" SYSTEMS CONDUIT TO NOTE 30.
 - (E) POWER PULL BOX WITH (E) 1.25" CONDUIT TO NOTE 29.
 - (E) TRANSFORMER LOAD CENTER UNIT. PROVIDE 2-20 AMP BREAKERS FOR CIRCUITS TO STARTER STATION.
 - SYSTEMS CABINET. 24" X 24" X 6" DEEP, NEMA 4X, PVC, PULL CAN WITH HINGED COVER AT +24" AFG. B-LINE #242410-4XF. SEE DETAILS 3/E4.1 AND 4/E4.1. ROUTE 1-2" SYSTEMS CONDUIT TO SYSTEMS CAN ON WALL ADJACENT TO NOTE 29.
 - SAWCUT HOLES AT EACH END AND PROVIDE HORIZONTAL BORING FOR 1-2" SYSTEMS CONDUIT FROM NOTE 32 TO 30 AND 1-1.25" POWER CONDUIT WITH 3 #12 THWN CU. AND 7 #14 THWN CU. FROM NOTE 32 TO 28. PATCH PAVEMENT TO MATCH (E).
 - SYSTEMS CABINET. 24" X 24" X 6" DEEP, NEMA 4X, PVC, PULL CAN WITH HINGED COVER AT +24" AFG. B-LINE #242410-4XF. MOUNT TO NEW STEEL STRUCTURE FOR STARTER STATION.
 - 1-2" SYSTEMS CONDUIT TO NOTE 10 AND 1-1" POWER CONDUIT TO NOTE 4. STUB 2' AFG FOR FUTURE SIGNS.
 - .75" CONDUIT WITH 2 #10 THWN CU. TO BRIDGE LIGHTING CIRCUIT. SEE DETAIL 1/E2.2.
 - (E) 4" SYSTEMS CONDUIT TO BE CUT BACK AND ROUTED INTO NOTE 30.
 - POLE BASE. SEE DETAIL 6/E4.1.

- GENERAL NOTES
- A LETTER AND NUMBER ADJACENT TO OUTLETS INDICATES PANEL AND CIRCUIT NUMBER TYPICAL.
- B ALL FIBER OPTIC CABLING TO BE REMOVED BY OTHERS NOT IN THIS CONTRACT.
- C ALL SYSTEMS AND POWER CONDUITS WITH WIRING ON BRIDGE AND ADJACENT AREAS TO BE REMOVED.
- D ALL SYSTEMS CONDUITS AT TERMINATION LOCATIONS IN BUILDINGS TO BE DISCONNECTED BY OTHERS FOR REMOVAL BY ELECTRICAL CONTRACTOR (EC).
- E ALL SYSTEMS WIRING WILL BE FURNISHED AND INSTALLED BY OTHERS UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- F ALL (E) AND NEW SYSTEMS CONDUITS 2" AND LARGER TO HAVE 2-3/8" PULL ROPES.
- G ALL (E) AND NEW SYSTEMS CONDUITS UNDER 2" TO HAVE 2 #12 THWN PULL WIRES.
- H CONDUITS TO BE STRAPPED WITH MALLEABLE IRON ONE HOLE CLAMPS WITH CLAMP BACKS ON FLAT SURFACES.
- J CONDUITS AT ANGLE / EDGE SURFACES USE GALVANIZED BEAM CLAMPS WITH 1/4" STAINLESS STEEL SCREWS AND STAINLESS STEEL MINERALLAC CLAMPS.

Project / Owner:

LAGUNA SECA START-FINISH BRIDGE

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA.

APN: 173-011-023-000

THE PAUL DAVIS PARTNERSHIP ARCHITECTS & PLANNERS

The Paul Davis Partnership, LLP
286 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com

Drawn By: GP
Drawing Date: 3/28/18
Project Number: 1725

Revisions:

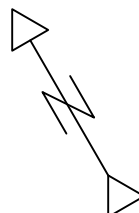
The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.

Sheet Title:
BRIDGE
LIGHTING PLAN

Sheet Number:

1
E2.1
BRIDGE LIGHTING PLAN
SCALE: 1/16"=1'-0"

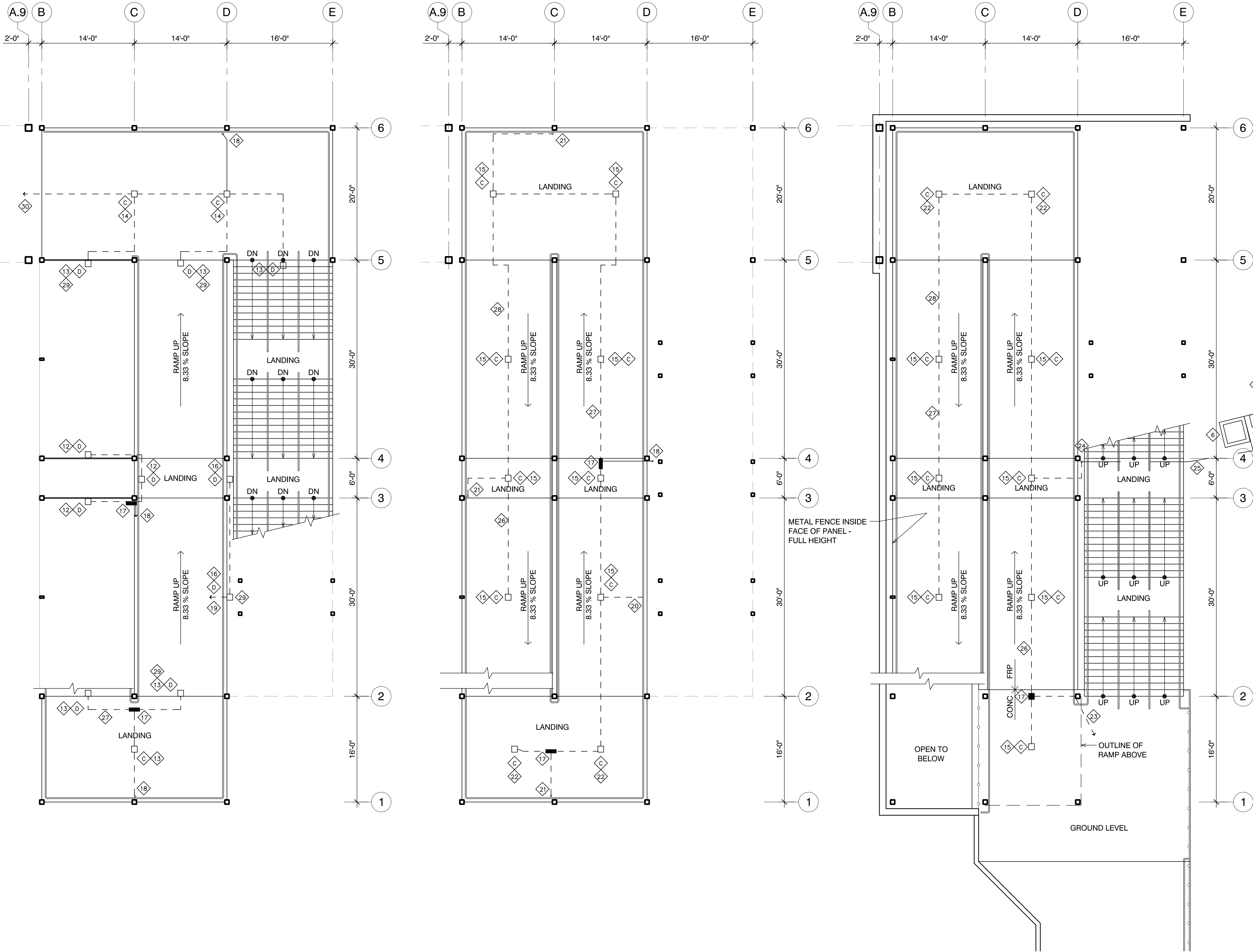
0 8' 16' 24'



IN ASSOCIATION WITH:
LIGHTWORKS, INC.
26403 Lucie Lane
Salinas, CA 93908
PH. 831-596-3667
ltwks@aol.com
MIRACLES UNLIMITED, INC.
PO Box 1808
Aptos, CA 95001-1808
PH. 831-688-8013
Fax. 831-688-0201

THE USE OF THESE PLANS AND SPECIFICATIONS IS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. RE-USE, REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS WITH LIGHTWORKS, INC., AND VISUAL CONTACT WITH THEM CONSTITUTES PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS.

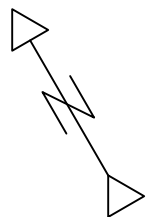
E2.1



- KEYED ELECTRICAL NOTES SHEET E2.2
- (E) MAIN SWITCHBOARD. 2500 AMP, 277/480 VOLT, 3 PHASE, 4 WRE. SEE DETAIL 5/E4.1.
 - (E) PULL BOX MOUNTED ON REAR OF SECTION.
 - (E) PULL SECTION.
 - (E) PANEL 'LS'. 120/208 VOLT, 3 PHASE, 4 WIRE. SEE DETAIL 5/E4.1.
 - (E) PULL BOX.
 - (E) TRANSFORMER. 75 KVA, 480 VOLT, 3 PHASE, 3 WIRE TO 120/208 VOLT, 3 PHASE, 4 WIRE.
 - (E) 2-4" UG CONDUITS.
 - (E) ABANDONED PAD.
 - LIGHTING INVERTER. SEE DETAIL 5/E4.1.
 - SYSTEMS PULL BOX. SEE DETAIL 1/E1.2.
 - POLE AND BASE. BASE IS INTEGRATED INTO STEM WALL.
 - FIXTURE MOUNTED ON HORIZONTAL BEAM + - 16' ABOVE RAMP.
 - FIXTURE MOUNTED ON HORIZONTAL BEAM + - 12' ABOVE RAMP.
 - FIXTURE MOUNTED ON CEILING ABOVE RAMP.
 - FIXTURE MOUNTED ON BOTTOM OF RAMP / LANDING ABOVE. ATTACHED TO DECK WITH 4-2" X 12 HEX HEAD STAINLESS STEEL SCREWS TYPICAL.
 - FIXTURE MOUNTED ON HORIZONTAL BEAM AT SIDE OF RAMP.
 - T CONDULET.
 - CONDUIT DOWN TO NEXT LEVEL.
 - CONDUIT TO FIXTURES MOUNTED ON BOTTOM OF RAMP.
 - CONDUIT TO FIXTURES MOUNTED ON HORIZONTAL BEAM AT SIDE OF RAMP.
 - CONDUIT UP TO LEVEL ABOVE.
 - FIXTURE MOUNTED ON HORIZONTAL BEAM ABOVE LANDING.
 - .75" UG CONDUIT TO SITE LIGHTING POLES. SEE DETAIL 1/E2.1.
 - T CONDULET WITH CONDUIT DOWN TO NOTE 25 AND UP TO NEXT LEVEL.
 - .75" UG CONDUIT FROM INVERTER UP TO NOTE 24.
 - HOLES THROUGH BEAMS TO BE PROVIDED BY OTHERS.
 - ALL SURFACE MOUNTED CONDUIT SHOWN TO BE .5" RIGID STEEL WITH 2 #10 THWN CU. & #12 CU. GR.
 - STRAP CONDUITS TO BOTTOM OF RAMP USING MALLEABLE IRON ONE HOLE CLAMPS, CLAMP BACKS, AND 2" X 12 HEX HEAD STAINLESS STEEL SCREWS.
 - BOLT FIXTURE BACK BOX TO HORIZONTAL BEAMS USING 5/16" STAINLESS STEEL BOLTS, NUTS, AND LOCK WASHERS TYPICAL.
 - CONDUIT TO BRIDGE LIGHTING.

- GENERAL NOTES
- A LETTER AND NUMBER ADJACENT TO OUTLETS INDICATES PANEL AND CIRCUIT NUMBER TYPICAL.
- B ALL FIBER OPTIC CABLING TO BE REMOVED BY OTHERS NOT IN THIS CONTRACT.
- C ALL SYSTEMS AND POWER CONDUITS WITH WIRING ON BRIDGE AND ADJACENT AREAS TO BE REMOVED.
- D ALL SYSTEMS CONDUITS AT TERMINATION LOCATIONS IN BUILDINGS TO BE DISCONNECTED BY OTHERS FOR REMOVAL BY ELECTRICAL CONTRACTOR (EC).
- E ALL SYSTEMS WIRING WILL BE FURNISHED AND INSTALLED BY OTHERS UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- F ALL (E) AND NEW SYSTEMS CONDUITS 2" AND LARGER TO HAVE 2-3/8" PULL ROPES.
- G ALL (E) AND NEW SYSTEMS CONDUITS UNDER 2" TO HAVE 2 #12 THWN PULL WIRES.
- H CONDUITS TO BE STRAPPED WITH MALLEABLE IRON ONE HOLE CLAMPS WITH CLAMP BACKS ON FLAT SURFACES.
- J CONDUITS AT ANGLE / EDGE SURFACES USE GALVANIZED BEAM CLAMPS WITH 1/4" STAINLESS STEEL SCREWS AND STAINLESS STEEL MINERALLAC CLAMPS.

1 RAMP & STAIRS LIGHTING PLAN
E2.2 SCALE: 1/8"=1'-0"



IN ASSOCIATION WITH:
LIGHTWORKS, INC.
26403 Lucie Lane
Salinas, CA 93908
PH. 831-596-3667
ltwks@aol.com

MIRACLES UNLIMITED, INC.
PO Box 1808
Aptos, CA 95001-1808
PH. 831-688-8013
Fax. 831-688-0201

THE USE OF THESE PLANS AND SPECIFICATIONS IS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. RE-USE, REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS WITH LIGHTWORKS, INC., AND VISUAL CONTACT WITH THEM CONSTITUTES PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS.

Project / Owner:

LAGUNA SECA START-FINISH BRIDGE

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA.

APN: 173-011-023-000

THE PAUL DAVIS PARTNERSHIP ARCHITECTS & PLANNERS

The Paul Davis Partnership, LLP
286 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com

Drawn By: GP

Drawing Date: 3/28/18

Project Number: 1725

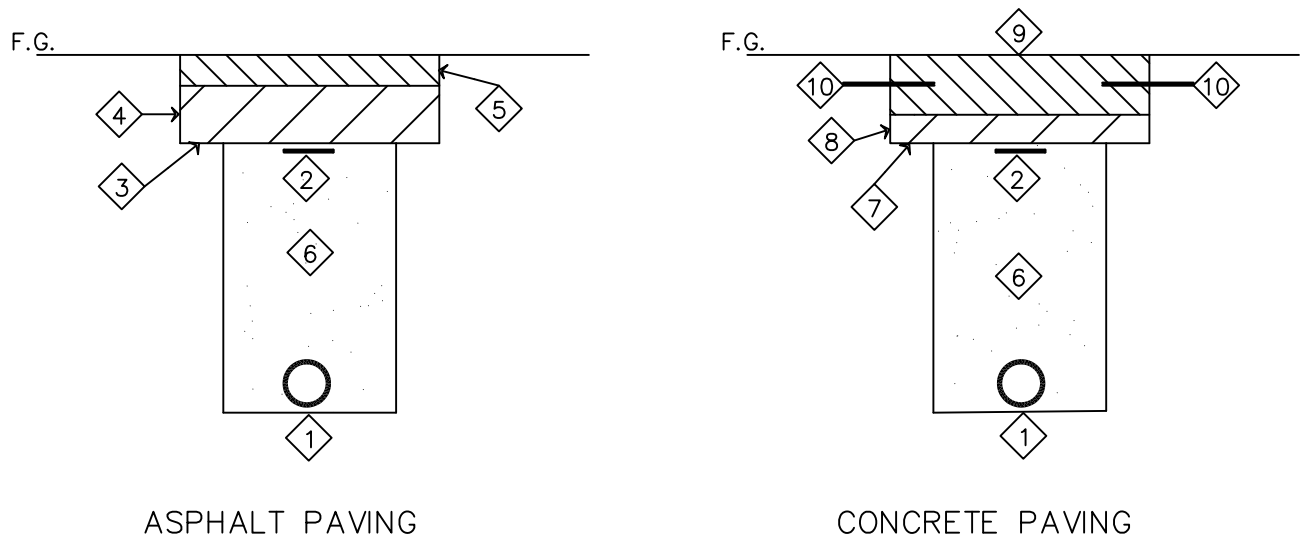
Revisions:

The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.

RAMP & STAIRS LIGHTING PLAN

Sheet Number:

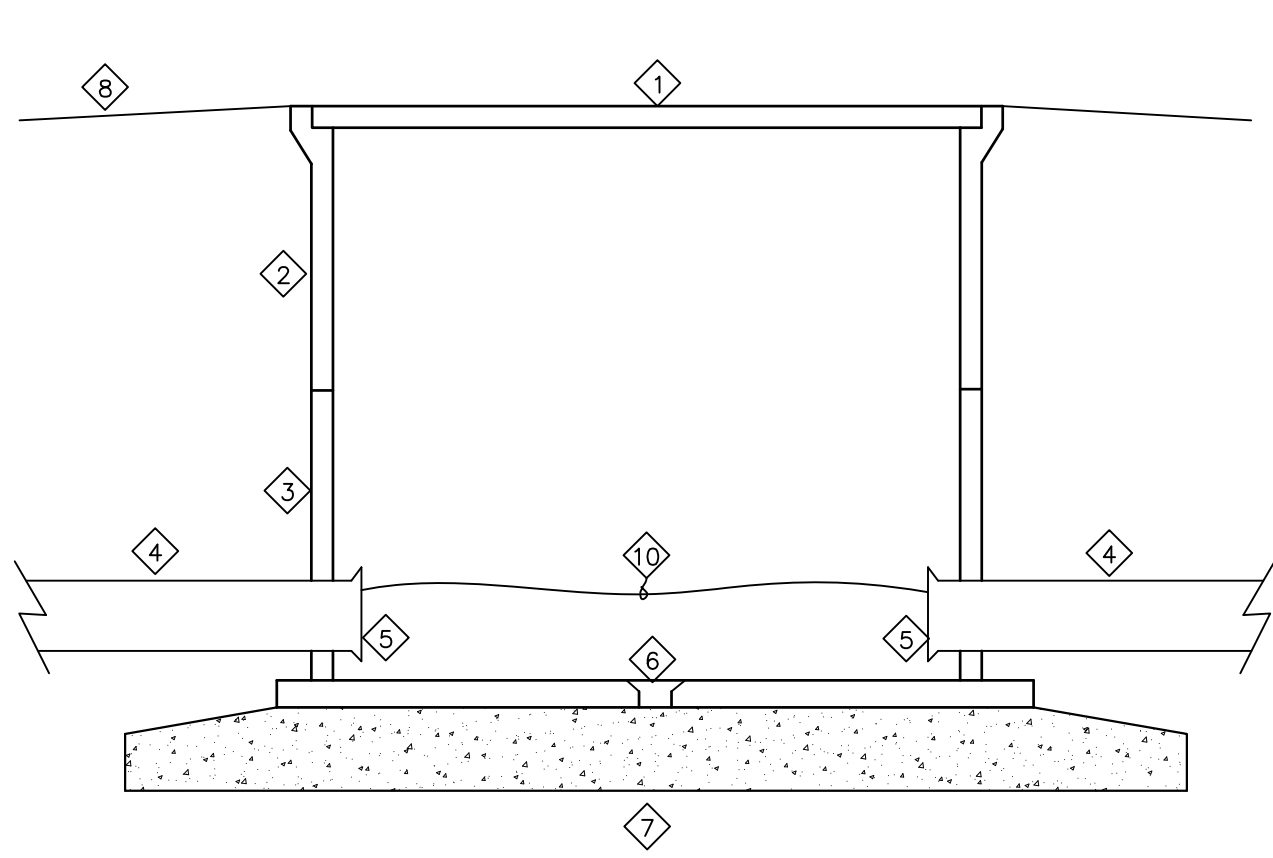
E2.2



- KEYED ELECTRICAL NOTES FOR TRENCH SECTIONS
- ELECTRICAL OR SYSTEMS CONDUIT PER PLANS. PROVIDE CLEARANCES PER ALL APPLICABLE CODES, PLANS, AND SPECIFICATIONS. MINIMUM 6" SPACING BETWEEN SYSTEMS & POWER CONDUITS, AND DUCT BANK SPACING PER NEC ARTICLE 310. TRENCH TO BE 2" WIDER THAN CONDUIT ON ALL SIDES WITH 2" SAND UNDER CONDUIT.
 - PROVIDE DETECTABLE MARKER TAPE FULL LENGTH OF TRENCH 12" ABOVE CONDUIT.
 - CUT PAVING 6" WIDER THAN ACTUAL WIDTH OF TRENCH ON EACH SIDE.
 - 4" OF CLASS 4 BASEROCK COMPACTED TO 95%.
 - 2" AC PAVING.
 - COMPACTED SAND BACKFILL TO 95%.
 - CUT CONCRETE 3" WIDER THAN ACTUAL WIDTH OF TRENCH ON EACH SIDE.
 - 2" OF SAND.
 - 4" OF 3,000 LB. CONCRETE.
 - 12" OF #4 RE-BAR DOWELS AT 6" O.C. DRILL 6" INTO (E) CONCRETE AND SET WITH EPOXY GROUT.
- GENERAL NOTES:
- A PROVIDE 5/8" CANE FIBER EXPANSION JOINTS AT 20' O.C. IN CONCRETE PAVING.
- B NATIVE SOIL MAY BE USED AS BACKFILL IN TRENCHES NOT UNDER ASPHALT, CONCRETE, OR ANY TYPE OF PAVING. NATIVE SOIL SHALL BE COMPACTED TO 95%.
- C ALL UNDERGROUND CONDUIT TO HAVE 24" MINIMUM COVER IN ALL AREAS.

TRENCH SECTION DETAIL
NOT TO SCALE

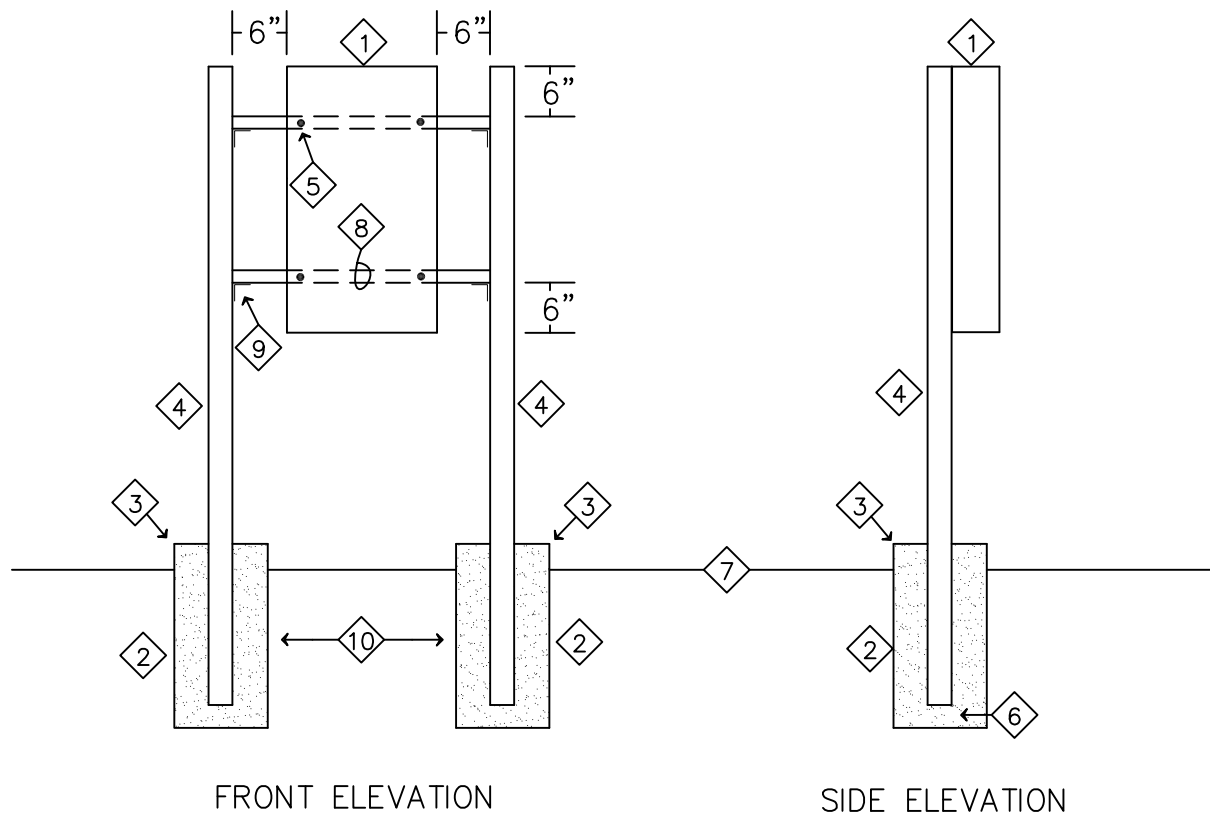
1



- KEYED ELE&TRICAL NOTES FOR PULLBOX DETAIL
- REINFORCED CONCRETE LID IN SOIL, LAWN, ETC. OR GALVANIZED STEEL CHECKER LID IN CONCRETE, ASPHALT OR TRAFFIC AREAS WITH LETTERING PER PLANS.
 - PULLBOX SIZE AND MANUFACTURER PER PLANS.
 - EXTENSION RING. 12" HIGH PER PLANS.
 - INCOMING CONDUIT. MAXIMUM EXTENSION INTO BOX 2".
 - PROVIDE BELL ENDS ON ALL INCOMING CONDUITS.
 - BASE SLAB WITH WEEP HOLE MIN. 1" DIA. SAME MANUFACTURER AS BOX .
 - 6" OF 3/4" CRUSHED ROCK UNDER BASE SLAB.
 - FINISHED GRADE TYPICAL. AT NATURAL SOIL CONDITIONS SET BOX 1" HIGHER THAN SURROUNDING GRADE AND SLOPE GRADE UP TO BOX. AT PAVING CONDITIONS SET BOX 1/2" HIGHER THAN GRADE AND SLOPE GRADE UP TO BOX.
 - GROUT ALL OPENINGS AND AROUND ALL CONDUITS ENTERING BOX.
 - CABLES TO GO STRAIGHT THROUGH BOX WITHOUT EXCESS SLACK OR LOOPS UON.
- GENERAL NOTES
- A WHERE STEEL LID IS USED, BOND PER NEC ARTICLE 250.

TYPICAL PULLBOX DETAIL
NOT TO SCALE

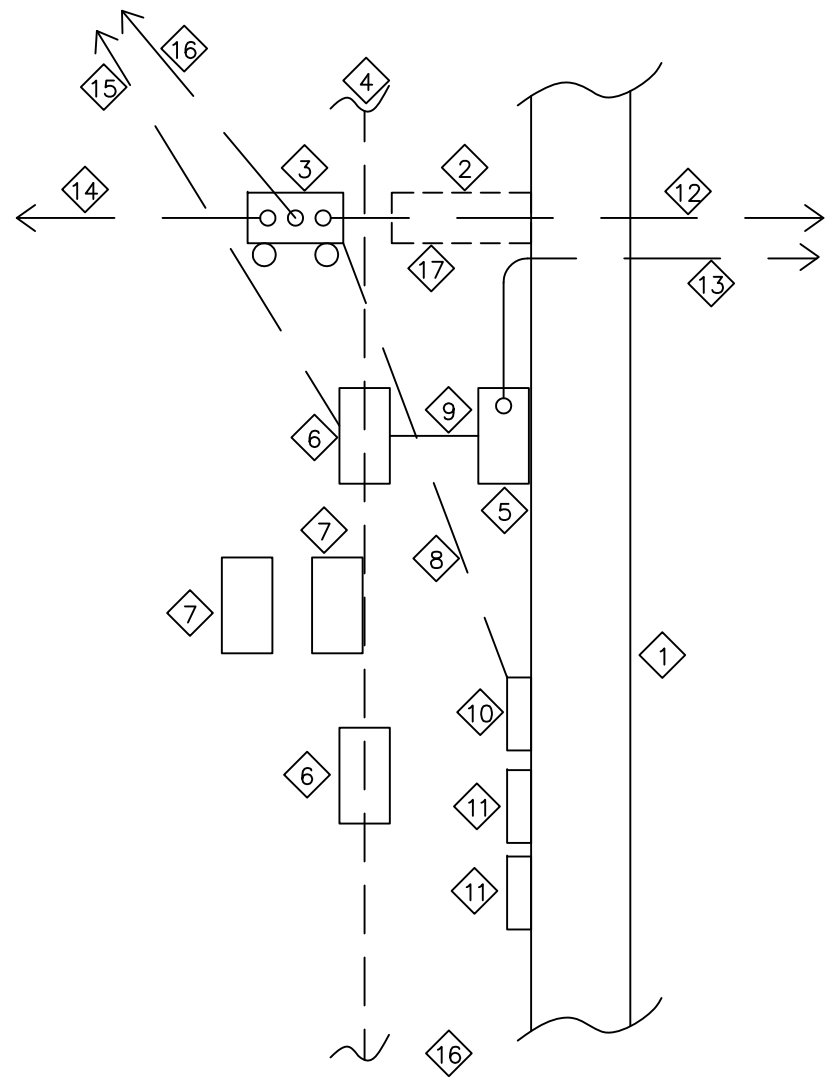
2



- KEYED ELECTRICAL NOTES FOR PANELBOARD INSTALLATION
- PANELBOARD PER DRAWINGS. MOUNT 6' TO TOP.
 - 12" X 12" X 24" DEEP CONCRETE FOOTING FOR CONDUIT SUPPORT.
 - FORM TOP OF FOOTING 6" AFG SLOPING AWAY FROM CONDUIT SUPPORT.
 - 3" GALVANIZED RIGID STEEL CONDUIT SUPPORT EMBEDDED IN CENTER OF FOOTING. PROVIDE GALVANIZED THREADED END CAPS ON TOP ENDS ONLY.
 - ANCHOR PANEL TO STRUT WITH 4-1/2" BOLTS, WASHERS AND SPRING NUTS AT CORNERS.
 - CONDUIT SUPPORT TO BE SPACED 4" FROM BOTTOM OF FOOTING.
 - FINISHED GRADE.
 - 1 5/8" GALVANIZED STRUT HORIZONTAL SUPPORTS.
 - ATTACH STRUT TO CONDUIT WITH STRUT ANGLES AND 1/2" BOLTS, NUTS, AND WASHERS (TYPICAL 4 LOCATIONS).
 - NO CONCRETE IN THIS AREA (THE WIDTH OF THE PANELBOARD).

TYPICAL PANELBOARD INSTALLATION
NOT TO SCALE

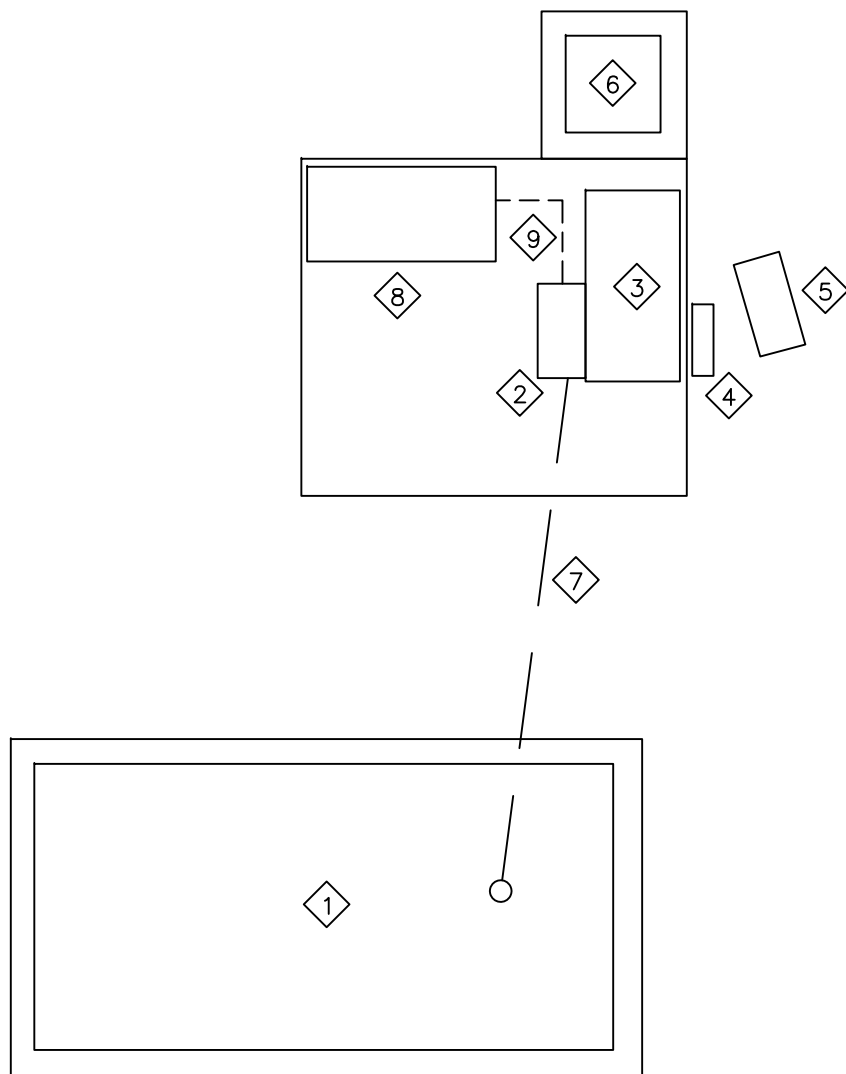
3



- KEYED ELECTRICAL NOTES FOR MAIN SWITCHBOARD
- (E) K-RAIL.
 - (E) TERMINAL CAN TO BE REMOVED.
 - SYSTEMS CABINET. 24" X 24" X 6" DEEP, NEMA 4X. PVC. PULL CAN WITH HINGED COVER AT +48" AFG TO TOP OF CAN. B-LINE #242410-4XF. SEE MOUNTING DETAIL 3/E4.1
 - APPROXIMATE LINE OF RELOCATED K-RAIL. VERIFY WITH CIVIL ENGINEER IN FIELD.
 - (E) TRANSFORMER / LOAD CENTER.
 - (E) N-9 POWER PULL BOX.
 - (E) N-16 POWER PULL BOX.
 - 2" UG CONDUIT FROM NOTE 3 TO NOTE 10.
 - (E) 1.25" POWER CONDUIT.
 - (E) DATA CAN ON K-RAIL.
 - (E) POWER CAN ON K-RAIL.
 - 2" SYSTEMS CONDUIT TO STARTER STATION. SEE DETAIL 1/E1.2.
 - 1" POWER CONDUIT TO STARTER STATION. SEE DETAIL 1/E1.2.
 - (E) 4" SYSTEMS CONDUIT TO BE CUT BACK AND ROUTED INTO NOTE 3.
 - 1" POWER CONDUIT AND 2" SYSTEMS CONDUIT TO BRIDGE STRUCTURE. SEE DETAIL 1/E1.2.
 - SEE DETAIL 1/E1.2 FOR WIRING IN CONDUITS.
 - CONDUITS IN NOTES 12 AND 13 TO BE BORED UNDER TRACK. SEE DETIL 1/E1.2.

SYSTEMS CAN RELOCATION DETAIL
NOT TO SCALE

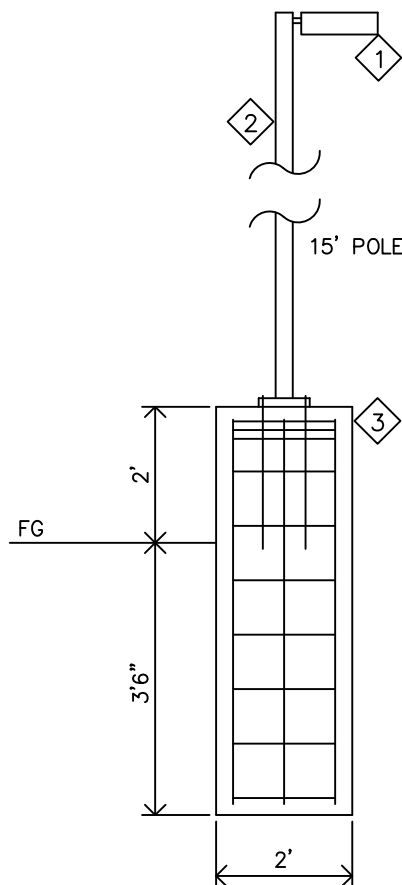
4



- KEYED ELECTRICAL NOTES FOR MAIN SWITCHBOARD
- MAIN SWITCHBOARD. 2500 AMP. 277/480 VOLT, 3 PHASE, 4 WRE. CLEAN AND VACUUM INSIDE OF SWITCHBOARD, PROVIDE .5" BEAD OF CAULKING AROUND BASE, AND IDENTIFY / LABEL ALL BREAKERS (12) WITH P-TOUCH LABELS. PROVIDE 1 POLE, 20 AMP, 65KAIC, SQUARE D I-LINE BREAKER IN (E) SPACE AND 2-3 POLE BKANK COVERS.
 - PULL BOX MOUNTED ON REAR OF SECTION.
 - (E) PULL SECTION.
 - (E) PANEL 'LS'. 120/208 VOLT, 3 PHASE, 4 WIRE SIEMENS BQ. REMOVE UNUSED / ABANDONED WIRING AND 4 TEMPORARY CORDS OUT OF PANEL. PROVIDE PHENOLIC LABEL AND NEW PANEL SCHEDULE.
 - (E) PULL BOX.
 - (E) TRANSFORMER. 75 KVA, 480 VOLT, 3 PHASE, 3 WIRE TO 120/208 VOLT, 3 PHASE, 4 WIRE.
 - (E) 2-4" UG CONDUITS.
 - LIGHTING INVERTER. EXITRONICS #SIE1-2.0-277-277-90. 41" W X 44" HIGH X 32" DEEP, 870 LBS. BOLT TO SLAB WITH .5" X 6" HILTI QUIKBOLTS IN EACH CORNER OF UNIT. MOUNT INTERMATIC #ET8215CR TIME CLOCK ON SIDE OF INVERTER #40" AFG. ROUTE LOAD SIDE OF INVERTER THROUGH TIME CLOCK TO LIGHTING.
 - .75" RIGID STEEL CONDUIT WITH 2 #10 THWN CU. & #12 CU. GR. ROUTE WIRING THORUGH NOTES 2 AND 7 TO BREAKER IN NOTE 1.

MAIN SWITCHBOARD DETAIL
SCALE: 1/4"=1'-0"

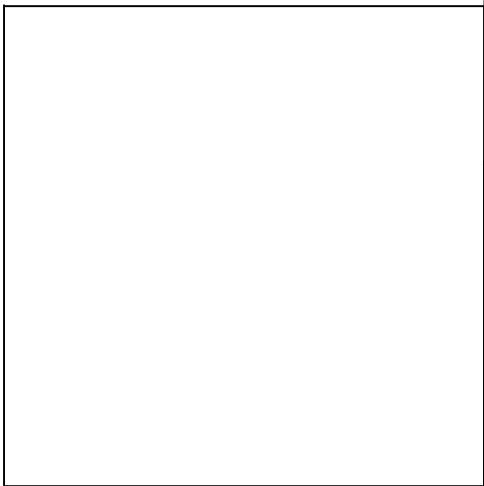
5



- KEYED ELECTRICAL NOTES FOR LIGHT POLE, FIXTURE AND BASE
- FIXTURE PER FIXTURE SCHEDULE.
 - POLE PER FIXTURE SCHEDULE.
 - 24" DIAMETER CONCRETE BASE WITH THE FOLLOWING:
BASE TO BE 5'6" BELOW FINISHED GRADE.
BASE TO BE FORMED 2' ABOVE FINISHED GRADE USING SONO TUBE.
BASE TO BE FORMED 6" BELOW FINISHED GRADE USING SONO TUBE.
6 #5 VERTICAL RE-BAR AT QUARTER POINTS.
3 #3 TIES AT TOP .6" THEN 12" ON CENTER TO BOTTOM.
RE-BAR SPACED 3" FROM OUTSIDE OF FORMS, TYPICAL.
RE-BAR SPACED 3" FROM TOP AND BOTTOM OF BASE.
ANCHOR BOLTS PER MANUFACTURER.
USE 5 SACK CONCRETE AND CONCRETE VIBRATOR WHEN POURING.
GROUT TOP OF POLE BASE AFTER POLE IS SET IN PLACE.

POLE BASE DETAIL
NOT TO SCALE

6



- KEYED ELECTRICAL NOTES FOR BRIDGE SECTION
- 4" IMC CONDUIT STRAPPED TO BOTTOM OF BRIDGE WITH STAINLESS STEEL STRUT AND STAINLESS STEEL STRUT STRAPS. BOLT STRUT TO BEAMS WITH 5/16" STAINLESS STEEL BOLTS, NUTS, AND WASHERS. CONDUIT TO BE ROUTED DOWN TO 3' AFG ON EACH END.
 - BOLT 'c' FIXTURES TO BOTTOM OF 6" I-BEAMS WITH 2-1/4" STAINLESS STEEL NUTS AND BOLTS. SEAL ALL UNUSED OPENINGS IN REAR OF FIXTURE BACKBOX WITH SILICONE.
 - 1.5" SYSTEMS CONDUIT AND 2-1" POWER CONDUITS. STRAP CONDUITS TO TOP OF BEAMS WITH STAINLESS STEEL STRUT AND STAINLESS STEEL STRUT STRAPS. BOLT STRUT TO BEAMS WITH 5/16" STAINLESS STEEL BOLTS, NUTS, AND WASHERS.

BRIDGE SECTION DETAIL
NOT TO SCALE

8

IN ASSOCIATION WITH:

LIGHTWORKS, INC.
26403 Lucie Lane
Salinas, CA 93908
PH. 831-596-3667
ltwks@aol.com

MIRACLES UNLIMITED, INC.
PO Box 1808
Aptos, CA 95001-1808
PH. 831-688-8013
Fax. 831-688-0201

THE USE OF THESE PLANS AND SPECIFICATIONS IS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. RE-USE, REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS WITH LIGHTWORKS, INC., AND VISUAL CONTACT WITH THEM CONSTITUTES PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS.

Project / Owner:

LAGUNA SECA START-FINISH BRIDGE

COUNTY OF MONTEREY
1021 MONTEREY-SALINAS HWY
SALINAS, CA.

APN: 173-011-023-000

THE PAUL DAVIS PARTNERSHIP ARCHITECTS & PLANNERS

The Paul Davis Partnership, LLP
286 Eldorado Street
Monterey, CA 93940
(831) 373-2784 FAX (831) 373-7459
EMAIL: info@pauldavispartnership.com

Drawn By: GP

Drawing Date: 3/28/18

Project Number: 1725

Revisions:

The use of these plans and specifications is restricted to the original site for which they were prepared, and publication thereof is expressly limited to such use. Re-use, reproduction or publication by any method in whole or in part is prohibited. Title to the plans and specifications remains with the architect, and visual contact with them constitutes prima facie evidence of the acceptance of the restrictions.

Sheet Title:
DETAILS

Sheet Number:

E4.1

STATE OF CALIFORNIA OUTDOOR LIGHTING POWER ALLOWANCES SPECIALTY PERMITS DIVISION (SPD)		CALIFORNIA ENERGY COMMISSION							
CERTIFICATE OF COMPLIANCE		NRIC-CA-09-A-1							
Outdoor Lighting Power Allowances		(Page 2 of 4)							
Project Name Laguna Seca Raceway Pedestrian Bridge		Submission 3/22/2018							
C. ADDITIONAL "USE IT OR LOSE IT" OUTDOOR LIGHTING POWER ALLOWANCES FOR SPECIFIC APPLICATIONS <input type="checkbox"/> The additional specific outdoor lighting power allowance shall be the smaller of the allowed lighting power or the actual lighting power used. <input type="checkbox"/> Use Outdoor Lighting Zone (OLZ) that is documented on page 1 of NRICE-110-91-E to calculate the specific wattage allowances.									
D.1. WATTAGE ALLOWANCE PER APPLICATION - Table 140.9-B <input type="checkbox"/> Available only for qualifying locations, which include Building Entrances or Exits; Primary Entrances to Senior-Care Facilities, Police Stations, Hospitals, Fire Stations, and Emergency Vehicle Facilities; Drive-In Window; Vehicle Service Stations Uncovered Fuel Dispenser, ATM Machine Lighting <input type="checkbox"/> If more than one luminaire type is used per location, use multiple rows for that location.									
01	02	03	04	05	06	07	08	09	10
ALLOWED WATTS					DESIGN WATTS				
Name of Location for Which Allowance is Claimed	Number of Qualifying Locations	Wattages Allowed per Qualifying Location	Allocated Watts (E=1 x 30)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (E7 x 08)	Allowed Watts (smaller of 04 or 09)
Sum total allowance per application on this table [g]									
E.2. WATTAGE ALLOWANCE PER UNIT LENGTH (Sales Frontage) from Table 140.9-D <input type="checkbox"/> If more than one luminaire type is used per location, use multiple rows for that location.									
01	02	03	04	05	06	07	08	09	10
ALLOWED WATTS					DESIGN WATTS				
Name of Location for Which Allowance is Claimed	Linear Feet of Sales Frontage	Unit Length Allowance per Linear Foot	Allocated Watts (E2 x 30)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (E7 x 08)	Allowed Watts (smaller of 04 or 09)
Sum total allowance for sales frontage on this table [d] 0									

CA building Energy Efficiency Standards - 2016.Nearest electrical Compliance January 2016

STATE OF CALIFORNIA OUTDOOR LIGHTING POWER ALLOWANCES SPECIFICATION PRESENTATION		CALIFORNIA ENERGY COMMISSION	
CERTIFICATE OF COMPLIANCE Outdoor Lighting Power Allowances		NRC-CO-09-1 (Page 4 of 4)	
Project Name: Laguna Sea Raceway Pedestrian Bridge		Submission: 3/22/2018	
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I, the undersigned, hereby certify that the information submitted in accordance with the requirements of the California Energy Code is true and correct.			
Documentation Author Name: Mills Mirada		Documentation Author Signature: _____	
Company: Lightworks, Inc.		Submission Date: 3/22/2018	
Address: PO Box 1808		CEC Declaration Number (select if applicable)	
City/State/Zip: Aptos, Ca. 95003		Project Number: 831-688-8013	
RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsibility designated). 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 2 of the California Code of Regulations. 4. The building design features or system design features identified on the Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency (or approved with this building permit application). 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building permit(s) on the building project at all times.			
Responsible Designer Name: Mills Mirada		Responsible Designer Signature: _____	
Company: Miradas Unlimited		Date Signed: _____	
Address: PO Box 1808		Location: _____	
City/State/Zip: Aptos, Ca. 95003		Phone: 831-688-8013	

	<p>IN ASSOCIATION WITH:</p> <p>LIGHTWORKS, INC. 26403 Lucile Lane Salinas, CA 93908 PH. 831-596-3667 ltwks@aol.com</p> <p>MIRACLES UNLIMITED, INC. PO Box 1808 Aptos, CA 95001-1808 PH. 831-688-8013 Fax. 831-688-0201</p>	<p>THE USE OF THESE PLANS AND SPECIFICATIONS IS RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. RE-USE, REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS WITH LIGHTWORKS, INC. AND VISUAL CONTACT WITH THEM CONSTITUTES PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS.</p>
--	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------