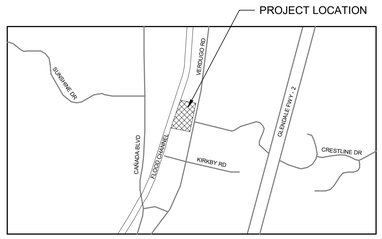
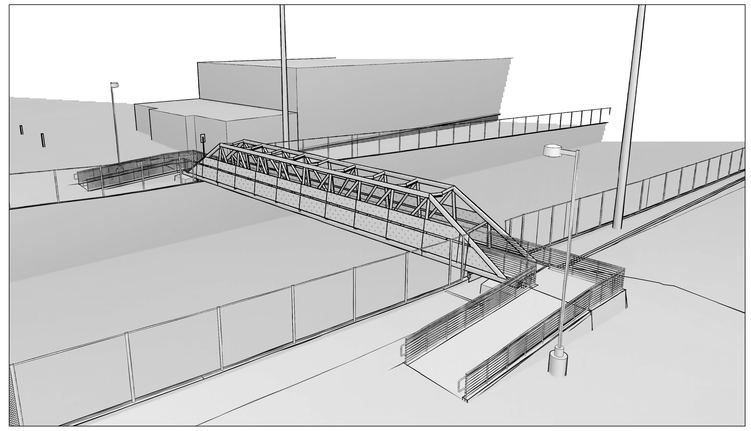


N

VICINITY MAP
Scale: NTS

GLENDALE UNIFIED SCHOOL DISTRICT
VERDUGO WOODLANDS ELEMENTARY SCHOOL
PEDESTRIAN BRIDGE

1751 NORTH VERDUGO ROAD, GLENDALE ,CA 91208



APPLICABLE CODES

TITLE 24 CCR, PART 2 - 2016 CALIFORNIA BUILDING CODE, VOL. 1 & 2

TITLE 24 CCR, PART 3 - 2016 CALIFORNIA ELECTRICAL CODE (CEC)

TITLE 24 CCR, PART 4 - 2016 CALIFORNIA MECHANICAL CODE (CMC)

TITLE 24 CCR, PART 5 - 2016 CALIFORNIA PLUMBING CODE (CPC)

TITLE 24 CCR, PART 9 -2016 CALIFORNIA FIRE CODE (CFC), SEE TITLE 24 4-405

2016 CALGREEN

2016 CA ENERGY CODE

RELATED CODES & STANDARDS

2016 CALIFORNIA BUILDING CODE (FOR SFM) REFERENCED STANDARD CHAPTER 35

NFPA 13	AUTOMATIC SPRINKLER SYSTEMS (CALIFORNIA AMENDED)	2016 EDITION
NFPA 14	STANDPIPE SYSTEMS (CALIFORNIA AMENDED)	2016 EDITION
NFPA 17	DRY CHEMICAL EXTINGUISHING SYSTEMS	2016 EDITION
NFPA 17A	WET CHEMICAL EXTINGUISHING SYSTEMS	2016 EDITION
NFPA 20	STATIONARY PUMPS	2016 EDITION
NFPA 24	PRIVATE FIRE SERVICE MAINS (CALIFORNIA AMENDED)	2016 EDITION
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CALIFORNIA AMENDED) (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES"	2016 EDITION
NFPA 80	FIRE DOOR AND OTHER OPENING PROTECTIVES	2016 EDITION
NFPA 253	CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS	2006 EDITION
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHER SYSTEMS (CALIFORNIA AMENDED)	2016 EDITION

OWNER
GLENDALE UNIFIED SCHOOL DISTRICT
349 W. MAGNOLIA AVENUE
GLENDALE CA 91204
818.507.0201
DAN HOLMQUIST, FACILITIES P.M.

ARCHITECT
NAC|ARCHITECTURE
837 SPRING STREET, 3RD FLOOR
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323.475.8075
MICHAEL PINTO

CIVIL ENGINEER
BREEN ENGINEERING INC.
1983 WEST 190TH STREET, SUITE 200
TORRANCE CA 90504
310.464.8404
JOSHUA SOWA, P.E.

STRUCTURAL ENGINEER
KPFF
700 SOUTH FLOWER STREET, SUITE 2100
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JORGE RIVERA, S.E.

ELECTRICAL ENGINEER
TURPIN & RATTAN ENGINEERING INC.
2441 HONOLULU AVENUE, SUITE 200
MONTROSE CA 91020
818.249-0444
JEFF KRAUT

CIVIL / ARCHITECTURAL / STRUCTURAL / ELECTRICAL

ARCHITECTURAL SYMBOLS

- REVISION
- MATCH LINE — Shaded area is side considered (SEE A3.1)
- WORK POINT, DATUM POINT, CONTROL POINT
- DETAIL — Upper mark denotes drawing number, Lower mark denotes sheet (1 / A5.1)
- PARTIAL BUILDING SECTION (A / A5.1)
- BUILDING CROSS SECTION (A / A5.1 — A / A5.1)
- INTERIOR ELEVATION — Elevation number denoted in arrow, Sheet number denoted in box (1A, 1B, 1C, 1D, A7.01)
- ROOM IDENTIFICATION (ROOM NAME 12345)
- CODED NOTE (1)
- WALL TYPE (A1B)
- EQUIPMENT IDENTIFICATION (123456)
- DASHED LINE — Used to denote items hidden, overhead, not in contract (NIC), or to be removed
- BREAK LINE — Material to continue
- CENTER LINE, GRID LINES
- PROPERTY LINE
- NEW FINISH GRADE (16.2)
- EXISTING GRADE (12.5)
- TOP OF FOOTING (TF 12.4)
- TOP OF WALL (TW 17.33)
- TOP OF CURB (TC 12.42)
- TOP OF PAVEMENT (TP 11.92)

INDEX OF DRAWINGS

00 GENERAL
G0.01 TITLE SHEET
G0.02 ACCESSIBILITY NOTES & DETAILS
G1.01 SITE AND ACCESSIBILITY PLAN

02 CIVIL
C1.0 SHEET TITLE AND DETAILS
C2.0 SITE DEMOLITION AND FINISH GRADING PLAN

06 ARCHITECTURAL
A1.01 SITE DEMOLITION PLAN
A1.02 PROPOSED SITE PLAN
A3.01 ENLARGED PLANS
A3.02 ENLARGED PLANS
A4.01 ENLARGED PLANS, SECTIONS, AND ELEVATIONS
A4.02 SECTIONS & ELEVATIONS
A5.01 DETAILS
A5.02 DETAILS
A6.01 VERTICAL CIRCULATION

08 STRUCTURAL
S0.00 SHEET INDEX, SYMBOLS AND ABBREVIATIONS
S0.01 GENERAL NOTES
S0.02 GENERAL NOTES
S1.01 SITE PLAN
S1.02 BRIDGE PLANS
S1.03 RAMP PLANS
S2.01 ELEVATIONS
S3.01 SECTIONS
S4.01 CONCRETE DETAILS
S4.02 CONCRETE DETAILS
S5.01 STEEL DETAILS
S5.02 STEEL DETAILS

14 ELECTRICAL
E0.01 SYMBOL LIST, ABBREVIATIONS, NOTES
E0.02 LIGHTING FIXTURE LIST, ELECTRICAL DETAILS
E1.01 SITE PLAN - ELECTRICAL
E1.02 ENLARGED SITE PLANS - ELECTRCIAL
E1.03 SECTIONS & DETAILS - ELECTRICAL

TOTAL: 31 SHEETS

SCOPE OF WORK

1. PARTIAL DEMOLITION OF (E) CHAINLINK FENCE AT BOTH SIDES OF EXISTING DE-WATERING CHANNEL.
2. CONCRETE/ASPHALT PAVING REMOVAL AND REPLACEMENT IN AREAS OF WORK AT BOTH SIDES OF EXISTING DE-WATERING CHANNEL
3. CONSTRUCTION OF (N) STEEL PRATT TRUSS BRIDGE WITH ACCESSIBLE CONCRETE RAMPS AND STAIRS AT BOTH SIDES OF DE-WATERING CHANNEL.
4. (N) CHAIN LINK GATE @ (E) WEST RAMP
5. (N) BRIDGE CLOSURE SIGNAGE @ WEST & EAST ENDS OF (E) BRIDGE
6. (N) CONC. PAD EXTENSION FOR (N) INVERTER

THIS PROJECT SHALL NOT BE CERTIFIED UNTIL PROJECT A#03-114339 HAS BEEN CERTIFIED

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE 2016 CALIFORNIA BUILDING CODE, PART 1 AND 2, TITLE 24 C.C.R. AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY AND THOSE CODES AND STANDARDS LISTED IN THE NOTES AND SPECIFICATIONS.
2. DO NOT SCALE THE CONSTRUCTION DOCUMENTS. DIMENSIONS SHALL TAKE PRECEDENCE OVER GRAPHIC SCALES SHOWN ON THE DRAWINGS. TYPICAL DETAILS & GENERAL NOTES ARE MINIMUM REQUIREMENTS TO BE USED WHEN CONDITIONS ARE NOT SHOWN OTHERWISE. IF ADDITIONAL DIMENSIONS ARE REQUIRED, CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING. WORK WITHIN THE AREA OF DISCREPANCY OR CONFLICT SHALL NOT PROCEED UNTIL GIVEN SUCH NOTICE BY THE ARCHITECT TO RESUME CONSTRUCTION.
3. SPECIFIC NOTES & DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES & TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.
4. WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDUM.
5. THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS, SPECIFICATIONS & ADDENDA ADDRESSING ALL TRADES, FULLY COORDINATE ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND/OR MECHANICAL DRAWINGS, DETAILS & SPECIFICATIONS TO ASCERTAIN THE FULL SCOPE OF THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO FURNISH COMPLETE SET OF CONSTRUCTION DOCUMENTS TO ALL BIDDERS. ALL BIDDERS SHALL REVIEW THE FULL SET OF CONSTRUCTION DOCUMENTS PRIOR TO SUBMITTING BIDS FOR THE WORK, ANY INCONSISTENCIES OR CONFLICTING INFORMATION INCORPORATED INTO THE CONTRACT DOCUMENTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATIONS AND/OR ADJUSTMENTS BEFORE COMMENCING WORK.
6. WHERE APPLICABLE, REFER TO THE PROJECT SPECIFICATION MANUAL FOR INFORMATION NOT COVERED BY THESE GENERAL NOTES OR THE DRAWINGS. INFORMATION GIVEN IN ONE PORTION OF THE CONTRACT DOCUMENTS SHALL BE CONSIDERED TO BE GIVEN IN ALL CONTRACT DOCUMENTS.
7. THE DRAWINGS & SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE(S) OR MODIFICATION TO AN EXISTING STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.

   GENERAL:
   CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR

   ADDENDA:
   CHANGES OR ALTERATIONS OF THE APPROVED PLANS OR SPECIFICATIONS PRIOR TO LETTING A CONSTRUCTION CONTRACT FOR THE WORK INVOLVED SHALL BE MADE BY MEANS OF ADDENDA WHICH SHALL BE SUBMITTED TO & APPROVED BY DSA PRIOR TO DISTRIBUTION TO CONTRACTORS. ORIGINAL COPIES OF ADDENDA SHALL BE STAMPED & SIGNED BY THE ARCHITECT OR ENGINEER IN GENERAL RESPONSIBLE CHARGE OF PREPARATION OF THE PLANS & SPECIFICATIONS & BY THE ARCHITECT OR REGISTERED ENGINEER DELEGATED RESPONSIBILITY FOR THE PORTION AFFECTED BY THE ADDENDA. [SEE SECTION 4-317(h).] ONE COPY OF EACH ADDENDUM IS REQUIRED FOR THE FILES OF DSA.

   CONTRACT CHANGE DOCUMENT (CCD):
   CHANGES OR ALTERATIONS OF THE APPROVED PLANS OR SPECIFICATIONS AFTER A CONTRACT FOR THE WORK HAS BEEN LET SHALL BE MADE ONLY BY MEANS OF CCD SUBMITTED TO & APPROVED BY DSA PRIOR TO COMMENCEMENT OF THE WORK SHOWN THEREON. CCDS SHALL STATE THE REASON OF THE CHANGE & THE SCOPE OF WORK TO BE ACCOMPLISHED, & WHERE NECESSARY, SHALL BE ACCOMPANIED BY SUPPLEMENTARY DRAWINGS REFERENCED IN THE TEXT OF THE CCD. ALL CCDS & SUPPLEMENTARY DRAWINGS SHALL BE STAMPED & SIGNED BY THE ARCHITECT OR ENGINEER IN GENERAL RESPONSIBLE CHARGE OF OBSERVATION OF THE WORK OF CONSTRUCTION OF THE PROJECT & BY THE ARCHITECT OR REGISTERED ENGINEER DELEGATED RESPONSIBILITY FOR OBSERVATION OF THE PORTION OF THE WORK OF CONSTRUCTION AFFECTED BY THE CCD, SHALL BEAR THE APPROVAL OF THE DISTRICT & SHALL INDICATE THE ASSOCIATED CHANGE IN THE PROJECT COST, IF ANY. ONE COPY OF EACH CCD IS REQUIRED FOR THE FILES OF DSA.

   VOIDANCE OF APPLICATION:
   ANY CHANGE, ERASURE, ALTERATION, OR MODIFICATION OF ANY PLANS OR SPECIFICATIONS BEARING THE STAMP OF DSA MAY RESULT IN VOIDANCE OF THE APPROVAL OF THE APPLICATION. HOWEVER, THE WRITTEN APPROVAL OF PLANS MAY BE EXTENDED BY DSA TO INLCUDE REVISED PLANS & SPECIFICATIONS AFTER DOCUMENTS ARE SUBMITTED FOR REVIEW & APPROVED. (SEE SECTION 4-323 FOR REVISED PLANS & SECTION 4-338 FOR ADDENDA & CHANGE ORDERS.)

   PERFORMANCE OF THE WORK:
   THE CONTRACTOR SHALL CAREFULLY STUDY THE APPROVED PLANS & SPECIFICATIONS & SHALL PLAN A SCHEDULE OF OPERATIONS WELL AHEAD OF TIME. IF AT ANY TIME IT IS DISCOVERED THAT WORK IS BEING DONE WHICH IS NOT IN ACCORDANCE WITH THE APPROVED PLANS & SPECIFICATIONS, THE CONTRACTOR SHALL CORRECT THE WORK IMMEDIATELY. ALL INCONSISTENCIES OR ITEMS WHICH APPEAR IN ERROR IN THE PLANS & SPECIFICATIONS SHALL BE PROMPTLY CALLED TO THE ATTENTION OF THE ARCHITECT OR REGISTERED ENGINEER, THROUGH THE INSPECTOR, FOR INTERPRETATION OR CORRECTION. IN NO CASE, HOWEVER, SHALL THE INSTRUCTION OF THE ARCHITECT OR REGISTERED ENGINEER BE CONSTRUED TO CAUSE WORK TO BE DONE WHICH IS NOT IN CONFORMITY WITH THE APPROVED PLANS, SPECIFICATIONS, AND CHANGE ORDERS. THE CONTRACTOR MUST NOTIFY THE PROJECT INSPECTOR, IN ADVANCE, OF THE COMMENCEMENT OF CONSTRUCTION OF EACH AND EVERY ASPECT OF THE WORK. SUBSTITUTIONS SHALL BE CONSIDERED AS A CHANGE ORDER.
8. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS & SITE CONDITIONS BEFORE STARTING WORK. DIMENSIONS ARE NOT ADJUSTABLE WITHOUT THE REVIEW & CLARIFICATION OF THE ARCHITECT UNLESS NOTED AS (+/-) PLUS/MINUS OR (FIELD) VERIFY. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCY BEFORE PROCEEDING WITH WORK.
9. ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS REPRESENTING THE BEST INFORMATION CURRENTLY AVAILABLE, BUT WITHOUT GUARANTEE OF ACCURACY. THE CONTRACTOR & SUBCONTRACTOR SHALL CAREFULLY EXAMINE THE SITE, COMPARE THE CONSTRUCTION DOCUMENTS WITH THE EXISTING CONDITIONS, BE RESPONSIBLE FOR ACCURACY OF ALL DIMENSIONS & THOROUGHLY FAMILIARIZE HIMSELF/HERSELF WITH THE SCOPE OF WORK. BY THE ACT OF SUBMITTING A BID THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH AN EXAMINATION, HAVE ACCEPTED THE CONDITIONS & HAVE I NCLUDED ALL RELATED SITE/BUILDING(S) CONDITION COST IN HIS/HER BID.
10. NO PART OF THESE CONTRACT DOCUMENTS SHALL BE CONSIDERED AS REQUIRING OR PERMITTING ANY WORK CONTRARY TO THE REQUIREMENTS OF ANY CODE REGULATION OR ORDINANCE WHICH HAS JURISDICTION OVER THE WORK.
11. ALL SYMBOLS & ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS ABBREVIATION OR SYMBOLS. IF THE CONTRACTOR HAS A QUESTION REGARDING THE SAME OR THEIR EXACT MEANING, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.
12. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE(S) DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACES, SHORES & GUYS REQUIRED TO SUPPORT ALL LOADS TO WHICH THE BUILDING STRUCTURE & COMPONENTS, ADJACENT SOILS OR STRUCTURES, UTILITIES & RIGHT-OF-WAYS MAY BE SUBJECTED DURING CONSTRUCTION.
13. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICE, THE CONTRACTOR SHALL ASSUME SOLE & COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS & PROPERTY ACCORDING TO THE REQUIREMENTS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) & CALIFORNIA OCCUPATIONAL REGULATIONS. THIS STIPULATION SHALL BE CONSIDERED TO BE CONTINUOUS & NOT LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL INDEMNIFY & HOLD DESIGN PROFESSIONALS, INSPECTORS, ET AL., HARMLESS FROM ANY & ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THE PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN.
14. THE DESIGN TEAM SHALL NOT HAVE CONTROL OR CHARGE OF & SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS & PROGRAMS IN CONNECTION WITH THE WORK, THE ACTS OR OMISSIONS OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, APPLICABLE CODES AND STANDARDS.
15. CONTRACTOR SHALL PROVIDE CONSTRUCTION BARRICADES OR PROTECTIVE DEVICES OF SUFFICIENT HEIGHT & MAGNITUDE AS TO PREVENT ANY PERSONS OF ANY AGE FROM ACCIDENTALLY ENTERING THE WORK AREA. PROVIDE TEMPORARY PASSAGEWAYS AS REQUIRED. YELLOW TAPE BARRICADES SHALL NOT BE ALLOWED AT THESE SITES.
16. DELIVERY OF MATERIALS TO THE CONSTRUCTION ZONE & REMOVAL OF WASTE FROM THE SITE SHALL BE COORDINATED WITH THE DISTRICT FOR AN ACCEPTABLE ACCESS ROUTE & SCHEDULE. USE OF THE AREA OUTSIDE THE CONSTRUCTION ZONE SHALL NOT BE ALLOWED UNDER ANY CIRCUMSTANCES WITHOUT CLEARANCE FROM THE SCHOOL DISTRICT OR THE OWNER'S AUTHORIZED REPRESENTATIVE.
17. CONTRACTOR SHALL INVESTIGATE THE SITE DURING CLEARING & EARTHWORK OPERATIONS, AS MAY BE REQUIRED BY THE SCOPE OF THE WORK, FOR FILLED EXCAVATIONS OR BURIED STRUCTURES, SYSTEMS, UTILITIES OR FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY.
18. IN DEMOLITION OF EXISTING BUILDINGS, WORK SHALL NOT BE PERFORMED IN AREA CONTAMINATED BY MATERIALS MADE OF ASBESTOS &/OR LEAD UNTIL THE ASBESTOS AND/OR LEAD MATERIALS HAVE BEEN REMOVED OR ENCAPSULATED BY THE CONTRACTOR. IF ASBESTOS OR LEAD IS ENCOUNTERED, NOTIFICATION SHALL BE GIVEN PER SPECIFICATIONS.
19. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE SHOP DRAWINGS, PRODUCT LITERATURE, PRODUCT SAMPLES, ETC. ARE SUBMITTED TO THE ARCHITECT IN A TIMELY MANNER SO AS NOT TO IMPACT THE CONSTRUCTION SCHEDULE.
20. ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO PREVENT MOLECULAR BREAKDOWN.
21. CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS BEFORE PERFORMING THE WORK SHOWN ON THE CONSULTING ENGINEER'S DRAWINGS. DISCREPANCIES BETWEEN THE ARCHITECTURAL & CONSULTING ENGINEER'S DRAWINGS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR CLARIFICATION & DIRECTION. CONSTRUCTION INSTALLED IN CONFLICT WITH THE CONSTRUCTION DOCUMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT NO EXPENSE TO THE DISTRICT.
22. INSTALL ALL EQUIPMENT COMPLETELY AS REQUIRED AND/OR AS RECOMMENDED BY THE MANUFACTURER, INCLUDING ALL NECESSARY UTILITY CONNECTIONS, TO MAKE THE EQUIPMENT FULLY OPERATIONAL.
23. TRADE NAMES & MANUFACTURERS REFERRED TO ARE FOR QUALITY STANDARDS ONLY. SUBSTITUTION WILL BE PERMITTED AS APPROVED BY THE SCHOOL DISTRICT OR ARCHITECT OF RECORD. CONTRACTOR SHALL STIPULATE THAT ALL PROPOSED SUBSTITUTIONS ARE EQUAL IN PERFORMANCE & COMPLY WITH THE APPLICABLE CODES & REGULATIONS. SUBSTITUTIONS OF ALTERNATE MATERIALS OR SYSTEMS SHALL BE AT NO ADDITIONAL COST TO THE DISTRICT.
24. ELECTRICAL GROUNDING SHALL BE PERFORMED IN THE PRESENCE OF THE DSA BUILDING INSPECTOR OF THE WORK.
25. ALL INSPECTION & TESTING SHALL CONFORM TO THE REQUIREMENTS OF PART 1 & 2, TITLE 24, C.C.R..
26. SHOP AND FIELD WELDING OPERATIONS SHALL BE PERFORMED BY A CERTIFIED WELDER. ALL WELDING SHALL SPECIALLY INSPECTED BY AN A WS-CWI QUALIFIED INSPECTOR APPROVED BT DSA/ORS.
27. GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE COORDINATION OF THE VARIOUS TRADES PERFORMING THE WORK. CONTRACTOR SHALL SUBMIT FOR REVIEW A COMPLETE COORDINATION SCHEDULE ILLUSTRATING THE EXTENT & THE POSITION OF EACH SCOPE OF WORK TO AVOID CONFLICT & TO MAINTAIN REQUIRED SERVICE ACCESS & CODE REQUIRED CLEARANCES.
28. THE DISTRICT MUST PROVIDE FOR & REQUIRE COMPETENT, ADEQUATE. & CONTINUOUS INSPECTION BY AN INSPECTOR SATISFACTORY TO THE ARCHITECT OR REGISTERED ENGINEER IN GENERAL RESPONSIBLE CHARGE OF OBSERVATION OF THE WORK OF CONSTRUCTION, TO ANY ARCHITECT OR REGISTERED ENGINEER DELEGATED RESPONSIBILITY FOR A PORTION OF THE WORK, & TO DSA. THE COST OF THE PROJECT INSPECTION SHALL BE PAID FOR BY THE DISTRICT. AN INSPECTOR SHALL NOT HAVE ANY CURRENT EMPLOYMENT WITH ANY ENTITY THAT IS A CONTRACTING PARTY FOR THE CONSTRUCTION. AN APPROVED PROJECT INSPECTOR MAY BE REMOVED & REPLACED IF THE WORK PERFORMED IS NOT IN CONFORMANCE WITH ACCEPTED INSPECTION STANDARDS AS DETERMINED BY THE DISTRICT THE PROJECT ARCHITECT & ENGINEER WITH CONCURRENCE OF DSA. THE INSPECTOR SHALL HAVE PERSONAL KNOWLEDGE AS DEFINED IN SECTIONS 17309 & 81141 OF THE EDUCATION CODE OF ALL WORK DONE ON THE PROJECT OR ITS PARTS AS DEFINED IN SECTION 4-316 OF TITLE 24. NO WORK SHALL BE CARRIED ON EXCEPT UNDER THE INSPECTION OF A PROJECT INSPECTOR APPROVED BY DSA. THE EMPLOYMENT OF SPECIAL OR ASSISTANT INSPECTORS SHALL NOT BE CONSTRUED AS RELIEVING THE PROJECT INSPECTOR OF HIS/HER DUTIES & RESPONSIBILITIES UNDER SECTION 17309 & 81141 OF THE EDUCATION CODE AND SECTIONS 4-336 & 4342 OF TITLE24. A PROJECT INSPECTOR SHALL, UNDER THE DIRECTION OF THE ARCHITECTAND/OR ENGINEER, BE RESPONSIBLE FOR MONITORING THE WORK OF THE SPECIAL INSPECTORS AND TESTING LABORATORIES TO ENSURE THAT THE TESTING PROGRAM IS SATISFACTORILY COMPLETED. THE PROJECT INSPECTOR AND ANY ASSISTANT INSPECTOR MUST BE APPROVED BY DSA.
29. THE INTENT OF THE DRAWINGS & SPECIFICATIONS IS TO MODIFY THE FACILITY FOR ACCESSIBILITY IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONSTRUCTION DOCUMENTS SUCH THAT THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CCD DETAILING & SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO & APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK-SECTION 4-338, PART 1, TITLE 24, CCR.
30. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CCD, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.
31. CUTTING, BORING SAWCUTTING OR DRILLING THROUGH THE EXISTING OR NEW STRUCTURAL ELEMENTS IS NOT TO BE STARTED UNTIL THE DETAILS HAVE BEEN REVIEWED & APPROVED BY THE ARCHITECT, STRUCTURAL ENGINEER & THE DSA FIELD ENGINEER IF DETAILS DO NOT SHOW OR CONFORM TO THE APPROVED DRAWINGS.
32. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT SHALL CONDUCT ALL THE REQUIRED TESTS & INSPECTION FOR THE PROJECT.
33. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT(OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 424, CCR).
34. A "DSA CERTIFIED" INSPECTOR WITH CLASS 1 CERTIFICATION IS REQUIRED FOR THIS PROJECT.
35. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISH WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT (CCD) OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THE WORK. REFERENCE SECTION 4-317 (c), CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)
36. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
37. THE PROJECT INSPECTOR AND TESTING LAB MUST BE EMPLOYED BY THE OWNER AND APPROVED BY ALL OF THE FOLLOWING:
    A/E OF RECORD
    STRUCTURAL ENGINEER (WHEN APPLICABLE)
    DSA
38. GENERAL CONDITIONS:
    - COMPLIANCE WITH TITLE 24, FOR PARTS 1-6 AND 9
    - TITLE 24, PARTS 1-5 MUST BE KEPT ON SITE DURING CONSTRUCTION
    - IF ANY CONFLICTS OR INCONSISTENCIES EXIST BETWEEN THE SPECIFICATIONS AND THE DRAWINGS (INCLUDING THE GENERAL NOTES), THE DRAWINGS AND GENERAL NOTES SHALL TAKE PRECEDENCE ALL ADDENDA MUST BE SIGNED BY ARCHITECT AND APPROVED BY DSA (SECTION 4-338, PART 1)
39. DETERIORATION OR EXISTING NON-COMPLIANT CONSTRUCTION: IF ANY CONDITION IS DISCOVERED WHICH, IF LET UNCORRECTED, WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE REQUIREMENTS OF THE EDITION OF THE CBC IN FORCE AT THE TIME OF ORIGINAL CONSTRUCTION, HE CONDITION MUSTBE CORRECTED IN ACCORDANCE WITH THE CURRENT CODE REQUIREMENTS. A CONSTRUCTION CHANGEDOCUMENT (CCD TYPE A) OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.
40. CONTRACTOR WILL BE RESPONSIBLE FOR ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY TO REMOVE SOIL FOR OVER EXCAVATION AS OUTLINED IN THE CONTRACT DOCUMENTS. THIS INCLUDES THE LABOR AND EQUIPMENT NECESSARY TO REMOVE ALL ROCKS GREATER THAN 4" IN DIAMETER. CONTRACTOR WILL BE RESPONSIBLE FOR LOADING ALL ROCKS GREATER THAN 4" IN DIAMETER INTO ASSOCIATED ROCK TRUCKS. GUSD WILL PAY FOR TRUCKING, DRIVER & DUMP FEES ASSOCIATED WITH REMOVAL OF ROCKS ONLY. THE DISTRICT WILL NOT BE RESPONSIBLE FOR THE REMOVAL OF ANY OTHER MIXTURE OF SOIL OR OTHER DEBRIS. CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE ALL TRUCKING REMOVAL WITH THE ONSITE INSPECTOR AND PROVIDE TRUCK & DUMP TICKETS EACH DAY FOR DOCUMENTATION OF REMOVAL. THE DISTRICT WILL NOT PAY FOR OVERHEAD AND PROFIT ON TOP OF THE HARD COST FOR THE ROCK REMOVAL.

REVISIONS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-119567 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2020

100% CONSTRUCTION DOCUMENTS - 11.21.
DSA CORRECTIONS - 07.26.2019
DSA RE-SUBMITTAL - 07.21.2020
DSA BACHCHECK- 08.14.2020

LICENSED ARCHITECT
MICHAEL J. PINTO
Lic. C-27097
EXP. 8/31/21
STATE OF CALIFORNIA

GLENDALE UNIFIED SCHOOL DISTRICT
VERDUGO WOODLANDS ELEMENTARY SCHOOL
PEDESTRIAN BRIDGE
1751 NORTH VERDUGO ROAD, GLENDALE, CA

GLENDALE UNIFIED SCHOOL DISTRICT

NAC ARCHITECTURE
nacarchitecture.com

NAC NO	161-16047
DRAWN	M.T.
CHECKED	H.H.
DATE	08-07-2018

TITLE SHEET

G0.01

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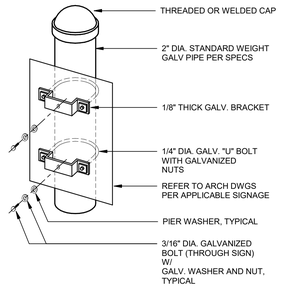
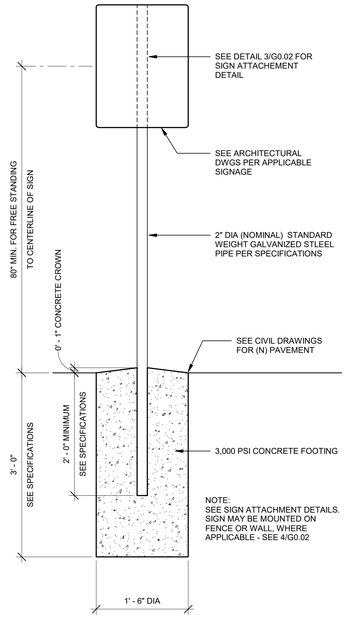
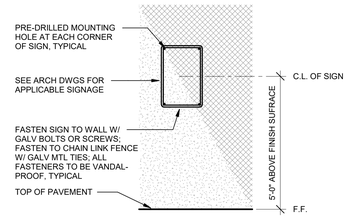


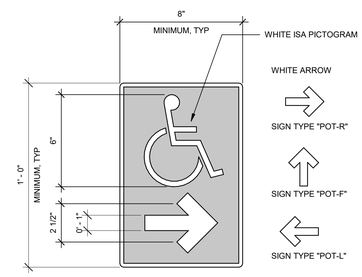
3 SIGN ATTACHMENT DETAIL
Scale: 1" = 1'-0"



2 POST MOUNTED SIGN
Scale: 1" = 1'-0"



4 WALL & FENCE MOUNTING SIGN
Scale: 1" = 1'-0"



NOTES:

1. CHARACTERS, SYMBOLS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND (MINIMUM 70%), EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND. (CBC 11B-703.5.1)
2. PROPORTIONS FOR SIGN CHARACTERS PER CBC 11B-703
3. CHARACTERS AND NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO THE VIEW DISTANCE FROM WHICH THEY ARE TO BE READ, THE MINIMUM HEIGHT IS MEASURED USING AN UPPER CASE X. LOWERCASE CHARACTERS ARE PERMITTED. FOR SIGNS SUSPENDED OR PROJECTED ABOVE THE FINISH FLOOR IN COMPLIANCE WITH CBC SECTION 11B-703.5.6, THE MINIMUM CHARACTER HEIGHT SHALL BE 3 INCHES (76MM). (CBC 11B-703.5.5) REFER TO ACCOMPANYING DETAILS FOR CHARACTER HEIGHT.
4. INTERNATIONAL SYMBOL OF ACCESSIBILITY (CBC 11B-703.7.2.1) SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO.15090 IN FEDERAL STANDARD 595C.

1 DIRECTIONAL SIGN
Scale: 3" = 1'-0"

REVISIONS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-119567 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2020

100% CONSTRUCTION DOCUMENTS - 11.21.
DSA CORRECTIONS - 07.26.2019
DSA RE-SUBMITTAL - 07.21.2020
DSA BACHCHECK- 08.14.2020

LICENSED ARCHITECT
MICHAEL T. PATO
No. C-27097
Exp. 8/31/21
STATE OF CALIFORNIA

GLENDALE UNIFIED SCHOOL DISTRICT
VERDUGO WOODLANDS ELEMENTARY SCHOOL
PEDESTRIAN BRIDGE
1751 NORTH VERDUGO ROAD, GLENDALE, CA

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ACCESSIBILITY NOTES & DETAILS

G0.02

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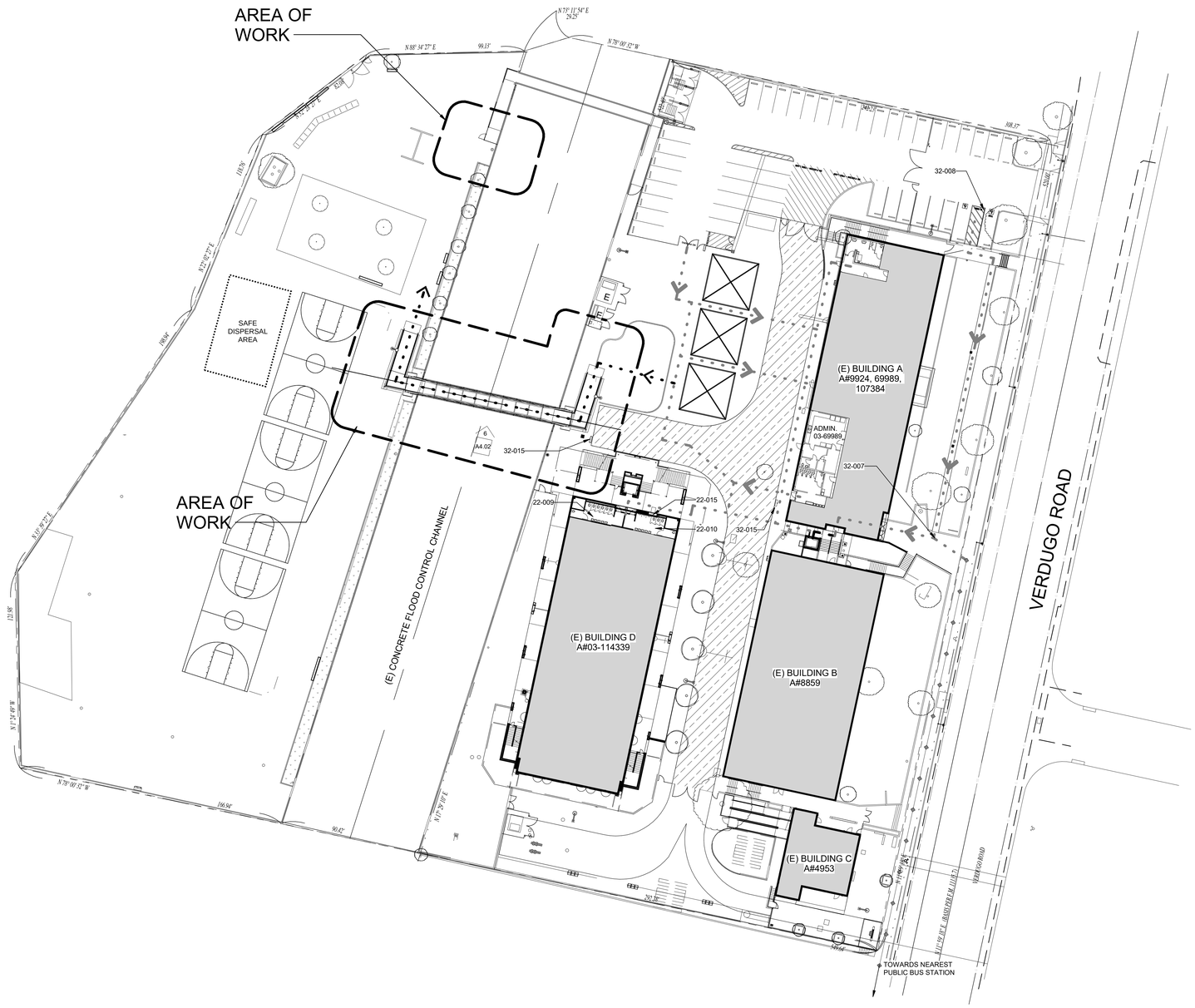

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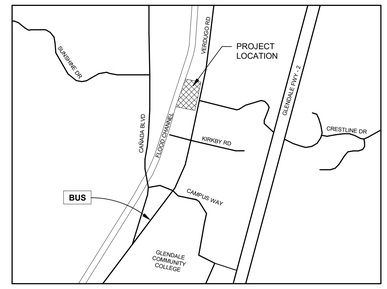
Site Plan - Overall

Scale: 1/32" = 1'-0"



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VICINITY MAP

Scale: NTS

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
22-009	(E) GIRLS TOILET ROOM TO REMAIN A#03-114339
22-010	(E) BOYS TOILET ROOM TO REMAIN A#03-114339
22-015	(E) ACCESSIBLE HI-LOW DRINKING WATER FOUNTAIN A#03-114339
32-007	EXISTING PATH OF TRAVEL PER A#03-114339
32-008	EXISTING ACCESSIBLE PARKING PER A#03-114339
32-015	P.O.T. SITE SIGNAGE - SEE DETAILS 1&2/G0.02 A#03-107384

SITE PLAN LEGEND

EXISTING PROPERTY LINE

ACCESSIBLE PATH OF TRAVEL (P.O.T, see note below):
- BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX.
- SURFACE IS STABLE, FIRM, AND SLIP RESISTANT WITH 2% MAX CROSS-SLOPE
- 4 FT CLEAR WIDTH, MIN.
- 1:20 MAX. SLOPE WITHOUT RAILINGS; PROVIDE INTERMEDIATE LANDING PER EACH 30 FT. RUN.
- 1:12 MAX. SLOPE WITH RAILINGS - 2% MAX. CROSS SLOPE - PROVIDE PAINTED STRIPING OR CONTRASTING MATERIALS/TEXTURES WHERE INDICATED PER CIVIL DETAILS.
- FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (CBC 11B-307.2). AND PROTRUDING OBJECTS GREATER THEAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (CBC 11B-307.2).

PATH OF TRAVEL TO NEAREST PUBLIC TRANSPORTATION STOP - SEE VICINITY MAP

EXISTING BUILDINGS - N.I.C.

EXISTING LANDSCAPE AREA - PROTECT IN PLACE

ACCESSIBLE ROUTE TO BE MODIFIED FOR ACCESS COMPLIANCE PER ACCESSIBLE PATH OF TRAVEL GUIDELINES

(E) FIRE LANE TO REMAIN - REFERENCE A#03-114339

BUS — PUBLIC TRANSPORTATION - NEAREST BUS STOP LOCATED WITHIN 1/2 MILE FROM PROJECT LOCATION - SEE VICINITY MAP

(E) OUTDOOR LUNCH AREA CANOPY STRUCTURE

The POY identified in these Construction Documents meets the requirements of the current, applicable California Building Code (CBC) accessibility provisions for path of travel requirements for alterations, additions and structural repairs. As part of the design of this Projec, the POT was examined and any elements, components or portions of the POT that were determined to be non-compliant with the CBC have been identified and the corrective project's work through details, drawings and specifications incorporated into these Construction Documents. Any non-compliant elements, components or portions of the POT that will not be corrected by this Project based on evaluation threshold limitations or a finding of unreasonable hardship are indicated in these Construction Documents.

During construction, if POT items within the Scope of the Project represented as CBC compliant are found to be non-conforming, beyond reasonable construction tolerancesm the items shall be brought into compliance withthe CBC as a part of this Project bu means of a Construction Change Document.

NOTE:
REFER TO A# 03-114339 FOR BUILDING "D" APPROVAL FOR ADDITIONAL INFORMATION

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SITE AND ACCESSIBILITY PLAN

G1.01

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GENERAL NOTES:

1. CONSTRUCT OFF SITE WORK TO COMPLY WITH THE REQUIREMENTS OF THE CITY OF GLENDALE AND COUNTY OF LOS ANGELES. SECURE AND PAY FOR REQUIRED CONSTRUCTION PERMITS.
2. CONSTRUCT STRAIGHT GRADES BETWEEN ELEVATIONS SHOWN ON PLAN UNLESS INTERRUPTED BY A GRADE CHANGE LINE. ANY DEVIATION FROM THE GRADING PLAN MUST HAVE PRIOR APPROVAL FROM THE ENGINEER.
3. GRADE LAWN, TURF, PLANTING AND AGRICULTURAL AREA 1 ½" BELOW DESIGN GRADES INDICATED.
4. MAINTAIN A RECORD OF LOCATION OF UTILITY MARKERS ON THE AS-BUILT PLAN AND REINSTALL THEM AFTER PAVING. REPLACE BENT OR UNUSABLE MARKERS. FOR ALL UTILITY LINES DISCOVERED WITHIN THE WORK AREA, INSTALL BRASS UTILITY MARKERS INDICATING DIRECTIONS OF LINES AT ALL CHANGES IN DIRECTIONS AFTER PAVING. INFORM THE SURVEYOR TO LOCATE AND RECORD ACTUAL LOCATIONS.
5. UNCLOG, CLEAN AND FLUSH THE WORK AREA DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.
6. ALL EXCAVATIONS, BACKFILLING AND COMPACTION SHALL BE CONTINUOUSLY INSPECTED BY THE GEOTECHNICAL ENGINEER.
7. GEOTECHNICAL REPORTS PREPARED FOR THIS PROJECT WERE PREPARED BY MTGL, PROJECT NO. 1047D35, DATED OCTOBER 1, 2017.
8. LIMITS OF SITE – REVIEW ENTIRE SET FOR SCOPES OF WORK BEYOND LIMITS OF SITE, INCLUDING CONSTRUCTION AND PHASING/STAGING. COORDINATE WITH OWNER REPRESENTATIVE FOR SCOPES OF WORK THAT OCCURS OUTSIDE LIMITS OF SITE.

BENCHMARK INFORMATION:

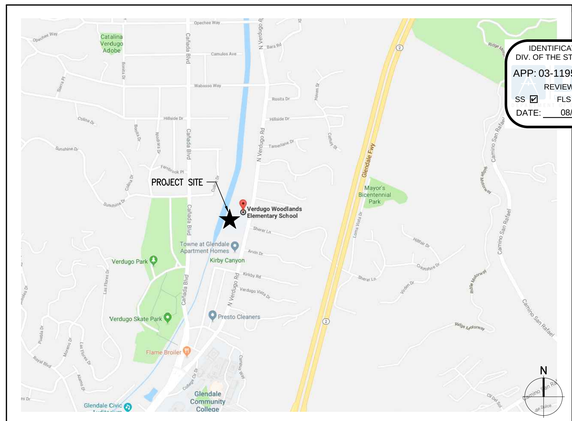
1582 – VERDUGO RD & SHERER LANE

ROUND HEAD NAIL IN LEAD IN S'LY WALL OF CATCH BASIN IN E'LY CURB VERDUGO RD. 0.2 FEET N'LY OF BCR N/E'LY CORNER CHSLD 'BM'

ELEV=831.79

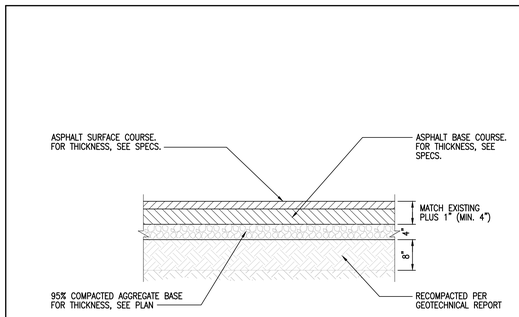
ABBREVIATIONS:

AC	ASPHALT CONCRETE
ADDL	ADDITIONAL
AFSR	AUTOMATIC FIRE SPRINKLER
RISER	
AGG	AGGREGATE
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL PLANS
BC	BEGIN CURVE
BCR	BEGIN CURB END
BLDG	BUILDING
BM	BENCH MARK
BOB	BOTTOM OF BRIDGE
BOE	BOTTOM OF EXCAVATION
BS	BOTTOM OF STEP
BW	BACK OF WALK
C	CUT
CA	CABLE
CAB	CRUSHED AGGREGATE BASE
CATV	CABLE TELEVISION
CB	CATCHBASIN
CF	CURBFACE
C&G	CURB AND GUTTER
CI	CAST IRON
CL	CENTERLINE, CHAIN LINK
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT, COUNTRY
CONC	CONCRETE
CONN	CONNECTION, CONNECT
CONST	CONSTRUCTION
CONT	CONTINUATION
COR	CORNER
CSP	CORRUGATED STEEL PIPE
CY	CUBIC YARDS
D	DEPTH
DET	DETAIL
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DS	DOWNSPOUT
DW	DOMESTIC WATER
DWG(S)	DRAWING(S)
DWY	DRIVEWAY
E	EAST
EX.	EXISTING
EA	EACH
ESMT	EASEMENT
EX	END CURVE
ECR	END CURB RETURN
EG	EDGE OF GUTTER
EL. ELEV	ELEVATION
ELEC	ELECTRICAL, ELECTRICAL
PLANS	
ELY	ESTERLY
EP	EDGE OF PAVEMENT
EQ	EQUAL
EW	EACH WAY
F	FILL
FP	FINISH PAD
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOWLINE
FS	FINISH SURFACE
FT	FOOTING
FUT	FUTURE
FW	FIREWATER
G	GAS
GA	GAUGE
GALV	GALVANIZED
GB	GRADE BREAK
H	HIGH, HEIGHT
HORIZ	HORIZONTAL
HP	HIGH POINT
HPFL	HIGH POINT FLOWLINE
IE	INVERT ELEVATION
INT	INTERSECTION
INV	INVERT
IRR	IRRIGATION
L	LENGTH
LADWP	LOS ANGELES DEPT. OF WATER AND POWER
LF	LINEAR FOOT
MAX	MAXIMUM
MB	MAP BOOK
MC	MIDDLE OF CURVE
MIN	MINIMUM
MISC	MISCELLANEOUS
MOD	MODIFIED
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NLY	NORTHERLY
NO	NUMBER, NORTH
NTS	NOT TO SCALE
#	DIAMTER
OC	ON CENTER
OPNG	OPENING
PA	PLANTING AREA
PD	PLANTER DRAIN
PCC	PORTLAND CEMENT CONCRETE
POC	POINT OF COMPOUND CURVE
PKG	PARKING
PM	PARCEL MAP
POC	POINT OF CURVE
POC	POINT OF CONNECTION
PIV	POST INDICATOR VALVE
PRC	POINT OF REVERSE CURVE
PROD	PRODUCT LINE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
POT	PATH OF TRAVEL
R	RIDGE LINE, RATE OF GRADE
RAD	RADIAL
REINF	REINFORCED
RET	RETAINING
REQD	REQUIRED
REV	REVISED, REVISION
ROW	RIGHT OF WAY
S	SLOPE, SEWER, SOUTH
SD	STORM DRAIN
SDWK	SIDEWALK
SHT	SHEET
SIM	SIMILAR
SLY	SOUTHERLY
SO	SOUTH
SPEC	SPECIFICATION
SS	SANITARY SEWER
STA	STATION
STD	STANDARD
STL	STEEL
SYMM	SYMMETRICAL
T	TANGENT
TAD	TOP OF AREA DRAIN
TC	TOP OF CURB
TCB	TOP OF CATCH BASIN
TELE	TELEPHONE, TELECOMMUNICATIONS
TEMP	TEMPORARY
TF	TOP OF FENCE
TFTG	TOP OF FOOTING
TG	TOP OF GRATE
TH	TOP OF HEADER
THK	THICK
TMH	TOP OF MANHOLE
TMS	TOP OF MOW STRIP
TPD	TOP OF PLANTER DRAIN
TR	TRACT
TS	TOP OF STEP
TTD	TOP OF TRENCH DRAIN
TW	TOP OF WALL
TYP	TYPICAL
VAR	VARIABLE
VCP	VITRIFIED CLAP PIPE
VERT	VERITCAL
W	WATER, WIDTH, WEST
W/	WITH
WLY	WESTERALY
WM	WATER METER
XING	CROSSING

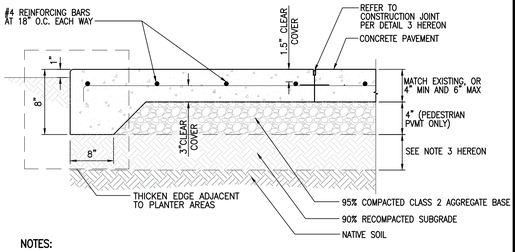


VICINITY MAP

SCALE: N.T.S.



ASPHALT PAVEMENT 4



NOTES:

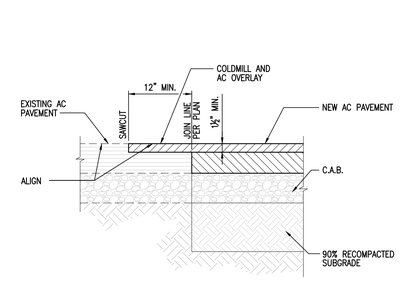
1. SEE ARCHITECTURAL PLANS FOR CONCRETE COVERING AND/OR COLORING.
2. SEE DETAILS 2 AND 3 HERON FOR JOINT CONSTRUCTION.
3. 12" RECOMPACTED NATIVE OR 8" RECOMPACTED ENGINEERED FILL PER GEOTECHNICAL REPORT.
4. SEE SPECIFICATIONS FOR TYPE OF JOINT SEALANT AND JOINT FILLER.
5. SPACING OF JOINTS PER TABLE HEREON.
6. STOP SLAB REINFORCING AT EXPANSION JOINT.

SUGGESTED SPACING OF CONTROL JOINTS

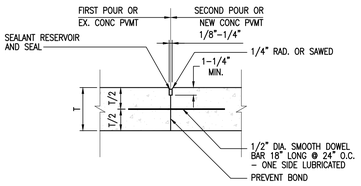
PAVEMENT/SLAB THICKNESS (IN)	LESS THAN ¾ INCH AGGREGATE; SPACING (FT)	LARGER THAN ¾ INCH AGGREGATE; SPACING (FT)	SLUMP LESS THAN 4 IN; SPACING (FT)
3	4	6	8
4	6	8	10
5	10	13	15
6	12	15	18
7	14	18	21
8	16	20	24
9	18	23	27
10	20	25	30

* GIVEN SPACING ALSO APPLY TO THE DISTANCE FROM CONTROL JOINTS TO PARALEL ISOLATION JOINTS OR TO PARALLEL CONSTRUCTION JOINTS.

CONCRETE PAVEMENT 1



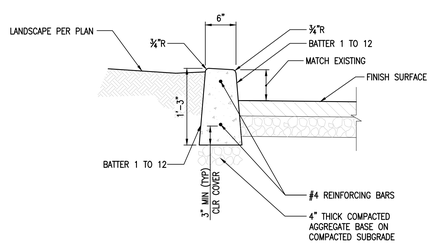
AC PAVEMENT JOINT DETAIL 6



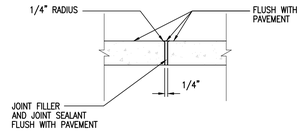
NOTES:

1. USE SMOOTH BARS FOR DOWELS COATED TO PREVENT BOND, OR GREASE ONE END PRIOR TO SECOND POUR.
2. CONSTRUCTION JOINTS SHALL ONLY BE LOCATED WHERE A CONTRACTION OR OTHER JOINT WOULD OTHERWISE HAVE BEEN REQUIRED.
3. SEE DETAIL 1 HEREON FOR THICKNESS, T.
4. FOR CONTRACTION (CONTROL) JOINTS, SEE ARCH. PLANS.
5. PROVIDE ADEQUATE SUPPORT FOR DOWELS TO ENSURE THEY REMAIN LEVEL WITH FINISH SURFACE.
6. STOP SLAB REINFORCING AT CONSTRUCTION JOINTS.

CONSTRUCTION JOINT 3



CONCRETE CURB 5



ISOLATION JOINT 2

INDEX:

SHEET NO.	SHEET TITLE
C1.0	TITLE SHEET AND DETAILS
C2.0	SITE DEMOLITION AND FINISH GRADING PLAN

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FAX: (310) 464-8408
WWW.BREENENG.COM

REGISTERED PROFESSIONAL ENGINEER MICHAEL BREEN C. 75964 Exp. 06/30/22 CIVIL STATE OF CALIFORNIA

LICENSED ARCHITECT RICHARD M. PATO No. C-27097 Exp. 8/31/21 STATE OF CALIFORNIA

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TITLE SHEET AND DETAILS

C1.0

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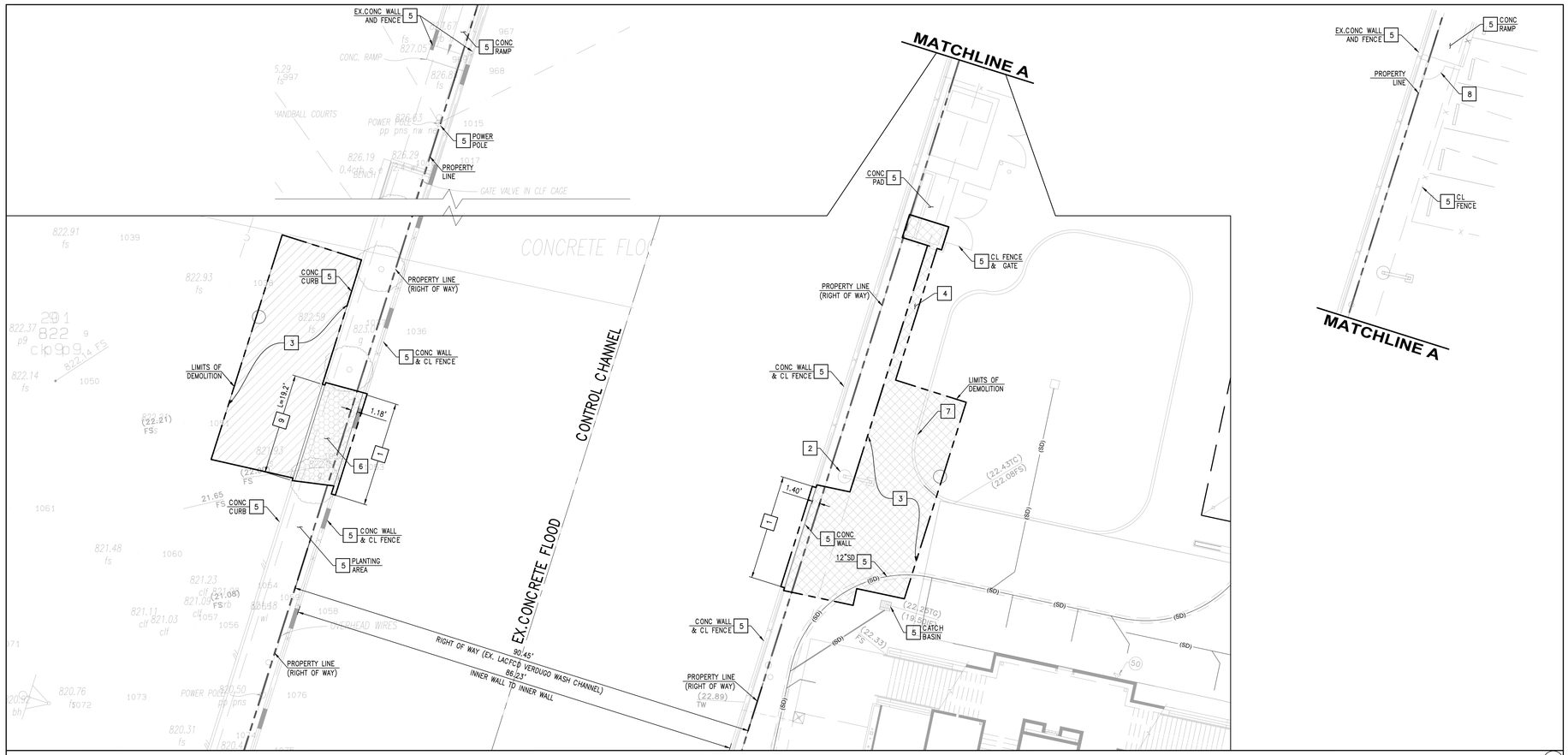
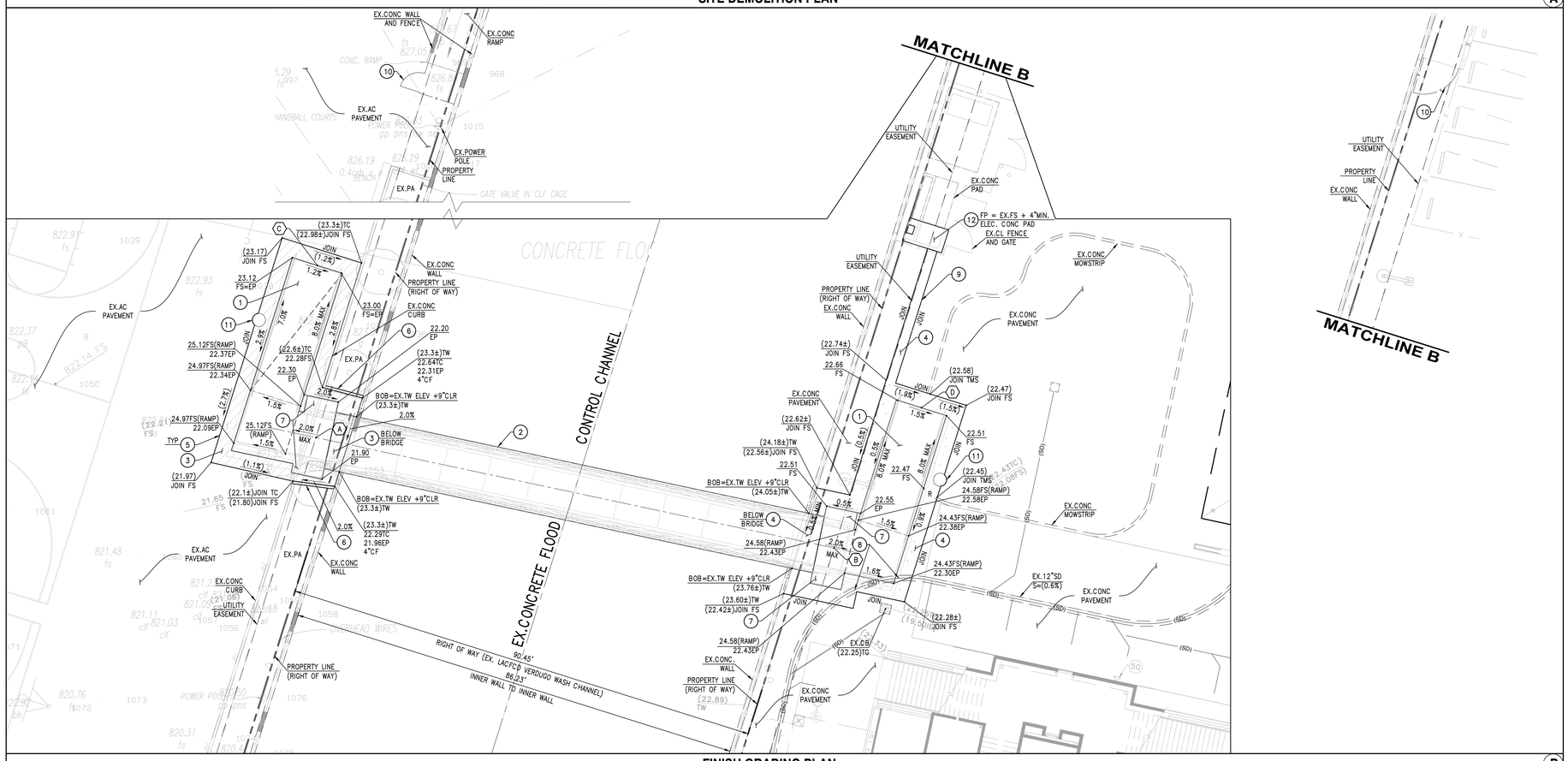


SITE DEMOLITION PLAN (A)



FINISH GRADING PLAN (B)

DEMOLITION NOTES:

1. REMOVE PORTION OF EXISTING FENCING WITH ALL ASSOCIATED POSTS AND ATTACHMENTS TO FACILITATE BRIDGE CONSTRUCTION.
2. LIGHT POLE TO BE REMOVED AND SALVAGED FOR FUTURE USE. REFER TO ELECTRICAL PLAN FOR RELOCATION.
3. REMOVE EXISTING PAVEMENT AS NEEDED FOR PLACEMENT OF BRIDGE, STAIR, RAMP AND FOUNDATIONS.
4. REMOVE EXISTING CONCRETE PAVEMENT FOR ELECTRICAL TRENCHING.
5. PROTECT IN PLACE.
6. REMOVE VEGETATION, TREES, STUMP, IRRIGATION LINES AND ASSOCIATED APPURTENANCES WITHIN THE AREA OF SCOPE OF WORK.
7. REMOVE EXISTING CONCRETE MOWSTRIP TO LIMITS SHOWN.
8. REMOVE AND REPLACE EXISTING GATE. SEE BELOW FOR INFORMATION.
9. REMOVE EXISTING CONCRETE CURB.

LEGENDS:

- DEMOLITION LIMITS
- CONCRETE DEMOLITION LIMIT
- ASPHALT DEMOLITION LIMIT
- LANDSCAPE DEMOLITION LIMIT

POINT COORDINATES			
	NORTHING	EASTING	ID
A	1818.45	1551.03	WEST BRIDGE AND FOUNDATION CENTER LINE
B	1797.43	1644.81	EAST BRIDGE AND FOUNDATION CENTER LINE
C	1851.22	1546.40	CENTER OF BOTTOM RAMP LANDING
D	1824.13	1661.44	CENTER OF BOTTOM RAMP LANDING

EARTHWORK QUANTITIES	
CUT	1 CY
FILL	30 CY

*FOR PLAN CHECK PURPOSES ONLY. CONTRACTOR SHALL PREPARE THEIR OWN QUANTITIES.

GENERAL NOTES:

1. BRIDGE SOFFIT, BEAMS AND GIRDERS SHALL BE AT LEAST 9 INCHES ABOVE THE EXISTING CONCRETE FLOOD WALL.
2. LOCATION OF EXISTING UTILITIES SHOWN WERE OBTAINED FROM RECORD INFORMATION PROVIDED BY OTHERS. CONTRACTOR SHALL VERIFY THESE AS NECESSARY BY POTHOLDING OR OTHER METHODS PRIOR TO THE START OF RELATED CONSTRUCTION AND SHALL NOTIFY OWNER OF ANY CONFLICTS.
3. LIGHT POLE ELECTRICAL ROUTING AND CONNECTION TO EXISTING SOURCE BY OTHERS.
4. ADD 800' TO ALL EXISTING ELEVATIONS EAST OF FLOOD CONTROL CHANNEL, INCLUDING NEW PROPOSED GRADE ELEVATIONS, TO OBTAIN PROPER DATUM.
5. REPLACE STRIPING TO MATCH EXISTING AS REQUIRED.

CONSTRUCTION NOTES:

1. CONSTRUCT CONCRETE RAMP, LANDING, AND ASSOCIATED HANDRAILS PER ARCHITECTURAL PLANS.
2. CONSTRUCT BRIDGE PER STRUCTURAL PLANS.
3. CONSTRUCT ASPHALT PAVEMENT TO MATCH EXISTING PER DETAIL 4 ON SHEET C1.0.
4. CONSTRUCT CONCRETE PAVEMENT TO MATCH EXISTING PER DETAIL 1 ON SHEET C1.0.
5. CONSTRUCT AC PAVEMENT JOINT PER DETAIL 6 ON SHEET C1.0.
6. CONSTRUCT CONCRETE CURB PER DETAIL 5 ON SHEET C1.0.
7. CONCRETE FOUNDATION CAP AND PILE PER STRUCTURAL PLANS.
8. ENCASE PIPE IN CONCRETE PER SPECIFICATIONS AT AREAS WITHIN SCOPE OF WORK.
9. ELECTRICAL TRENCHING DETAIL PER ELECTRICAL PLANS SHEET E0.02.
10. CONSTRUCT CHAINLINK GATE, FENCING AND NEW POST FOOTINGS PER ARCHITECTURAL PLAN SHEET A5.01. ATTACH NEW FENCE TO THE EXISTING FENCE POSTS.
11. LIGHT POLE PER ELECTRICAL PLANS. SEE STRUCTURAL PLAN SHEET S4.01 FOR LIGHT POLE FOUNDATION DETAIL.
12. CONSTRUCT 4" THICK CONCRETE PAD EITHER 4" ABOVE THE CONCRETE PAVEMENT OR FLUSHED WITH THE EXISTING CONCRETE PAD. SET 0.5% MIN. DRAINAGE TOWARDS THE CONCRETE PAVEMENT TO PREVENT PONDING ON THE PAD.

LEGENDS:

- NEW ASPHALT CONCRETE PAVEMENT
- NEW CONCRETE PAVEMENT
- (790) EXISTING CONTOUR
- FLOW LINE
- R R RIDGE LINE
- GRADE CHANGE
- EXISTING CATCH BASIN
- 150.30 FS NEW SPOT ELEVATION
- (150.30) FS EXISTING SPOT ELEVATION
- (SD) EXISTING STORM DRAIN LINE

GRAPHIC SCALE: 1"=10' (0' 5' 10' 20')

REVISIONS

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APP: 03-119567 INC:
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DATE: 08/19/2020

100% CONSTRUCTION DOCUMENTS - 11.21.
DSA CORRECTIONS - 07.26.2019
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BREEN Engineering Inc
1983 WEST 190TH STREET, SUITE 200
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REGISTERED PROFESSIONAL ENGINEER MICHAEL WU C 75964 Exp. 06/30/22 CIVIL STATE OF CALIFORNIA

LICENSED ARCHITECT MICHAEL D. PARDO No. C-27097 Exp. 8/31/21 STATE OF CALIFORNIA

GLENDALE UNIFIED SCHOOL DISTRICT

VERDUGO WOODLANDS ELEMENTARY SCHOOL

PEDESTRIAN BRIDGE

1751 NORTH VERDUGO ROAD, GLENDALE, CA

GLENDALE UNIFIED SCHOOL DISTRICT

NAC ARCHITECTURE
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NOT FOR CONSTRUCTION PURPOSES

NAC NO	161-16047
DRAWN	BEI
CHECKED	MW
DATE	08-07-2018

SITE DEMOLITION AND FINISH GRADING PLAN

C2.0

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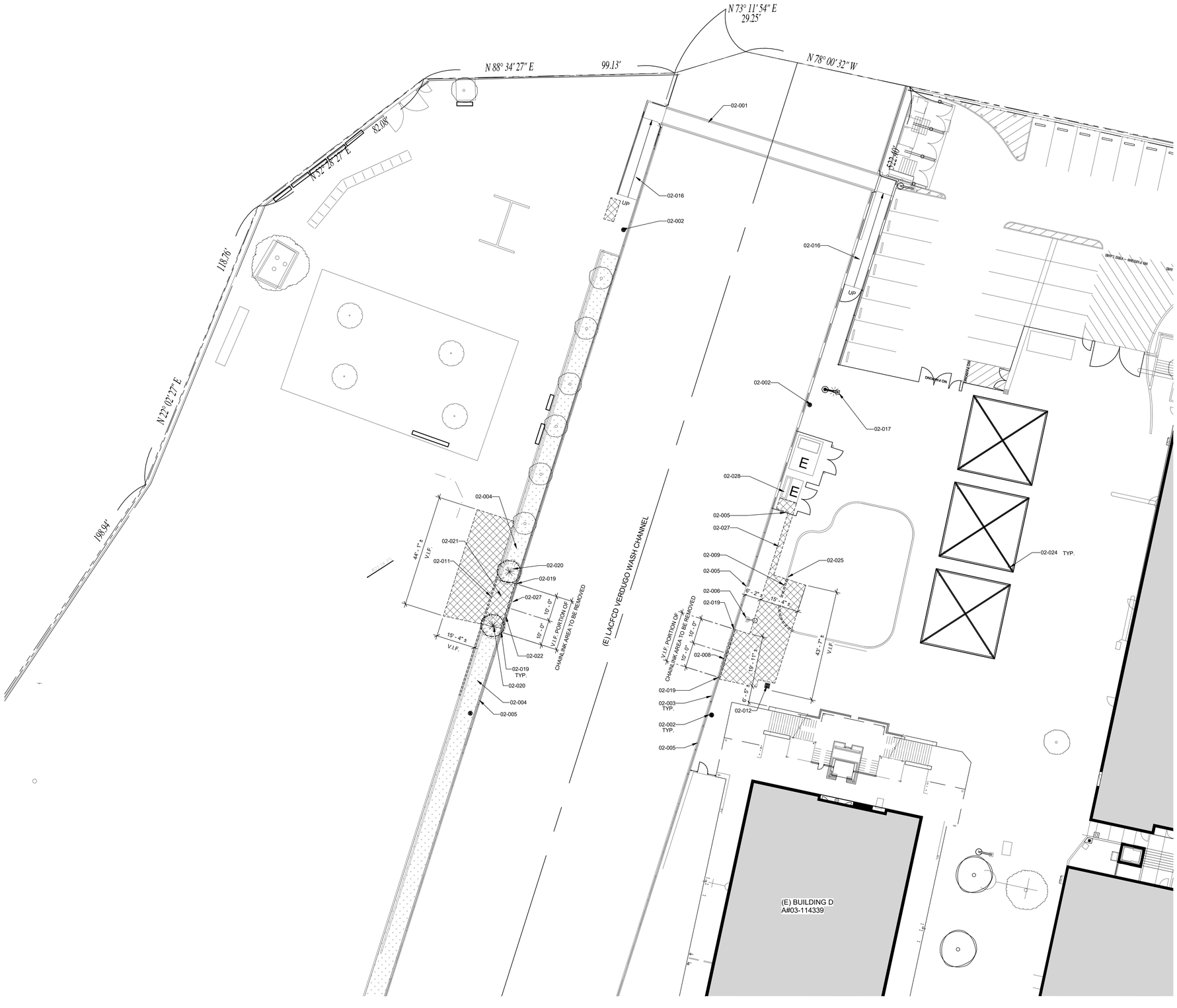

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
02-001	(E) BRIDGE TO REMAIN AND USED AS AUXILIARY ACCESS - TO BE CLOSED AND SECURED FROM PUBLIC USE BY DISTRICT
02-002	(E) POWER POLE TO REMAIN - PROTECT IN PLACE
02-003	(E) CONCRETE WALL TO REMAIN - PROTECT IN PLACE
02-004	(E) VEGETATION TO REMAIN - PROTECT IN PLACE
02-005	(E) CHAIN LINK FENCING TO REMAIN - PROTECT IN PLACE UNLESS NOTED OTHERWISE
02-006	(E) LIGHT POLE TO BE REMOVED AND SALVAGED FOR RELOCATION
02-008	PORTION OF (E) FENCING WITH ALL ASSOCIATED POSTS AND ATTACHMENTS TO BE DEMOLISHED
02-009	REMOVE (E) MOW STRIP AS NEEDED - SEE CIVIL FOR MORE INFORMATION
02-011	REMOVE PORTION OF (E) CURB AS REQUIRED. SEE CIVIL FOR DETAILS
02-016	(E) RAMP TO REMAIN - TO BE FENCED OFF AND SECURED FROM PUBLIC USE
02-017	(E) LIGHT POLE TO REMAIN - PROTECT IN PLACE
02-019	(E) CHAINLINK POST TO REMAIN - PROTECT IN PLACE
02-020	(E) TREE & ROOT STUMP TO BE REMOVED COMPLETE
02-021	(E) IRRIGATION LINES TO BE REMOVED IN AREA OF WORK AND REROUTED TO SUIT NEW SITE WORK
02-022	(E) FENCE MOUNTED LIGHT FIXTURE & CONDUIT TO BE REMOVED - POWER TO REMAIN PROTECT IN PLACE.
02-024	(E) OUTDOOR LUNCH AREA CANAOPY STRUCTURES TO REMAIN - PROTECT IN PLACE
02-025	(E) PAVING TO REMAIN - PROTECT IN PLACE
02-027	REMOVE (E) PAVING AND TRENCH FOR NEW UTILITY ROUTES - SEE ELECTRICAL FOR MORE INFORMATION
02-028	(E) ELECTRICAL EQUIPMENT TO REMAIN - PROTECT IN PLACE

SITE DEMO LEGEND

- EXISTING PROPERTY LINE
- EXISTING BUILDINGS - NO WORK
- EXISTING LANDSCAPE AREA
- WORK TO BE DEMOLISHED
- (E) PAVING TO BE REMOVED PER CIVIL C2.0
- (E) POLE LIGHT
- E — (E) ELECTRIC VAULT - TO REMAIN PROTECT IN PLACE

GENERAL DEMOLITION NOTES

1. REFER TO G0.01 FOR GENERAL NOTES
2. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO STARTING WORK AND COORDINATE WITH THE WORK INDICATED ON PLANS.
3. ALL ITEMS ARE EXISTING AND ARE TO REMAIN UNLESS NOTED OTHERWISE.
4. VERIFY ALL EXISTING CONDITIONS AT FLOOR AND ABOVE FLOOR WHERE NEW WORK OCCURS PRIOR TO STARTING ANY NEW CONSTRUCTION. CONTACT ARCHITECT IF ANY DISCREPENCIES OR UNFORSEEN CONDTIONS OCCURS. PRIOR TO AND DURING ANY DEMOLTION
5. ALL EXISTING SITE WORK AND RELATED ITEMS THAT ARETO REMAIN, WHICH MAY BE DAMAGED DUE TO CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE GENERAL CONTRACTOR.
6. PATH AND REPAIR ALL (E) FINISH SURFACES & FINISH MATERIALS OR EQUIPMENT DAMAGED AS A RESULT OF THE WORK BEING PERFORMED. PATCHES AND/OR REPAIRS PERFORMED SHALL MATCH ADJACENT (E) MATERIALS IN TEXTURE, COLOR AND SURFACE FINISH
7. REMOVE ALL EXISTING SURFACES WITHIN THE DESIGNATED DEMO AREA TO BE REPLACED. PATCH AND REPAIR (E) FINISH SURFACE AS REQUIRED. WHERE PORTION OF THE (E) FINISH SURFACE IS REPLACED AND/OR (E) PROVIDED SURFACE SHALL MATCH (E) ADJACENT FINISH SURFACE.
8. VERIFY ALL EXISTING CONDITIONS WHERE SAW-CUTTING IS TO OCCUR. SAW-CUT SHALL BE WIDE AND DEEP ENOUGH TO ALLOW SUFFICIENT WORKING SPACE TO PERFORM PROPER CONNECTIONS.
9. ALL EIXSTING CONCRETE REMOVAL SHALL BE DONE BY "SAW-CUT EQUIPMENT METHOD". ALL EXPOSED EDGES TO REMAIN SHALL BE PROTECTED TO PREVENT CRACKING.
10. CONTRACTOR TO COORDINATE AND ESTABLISH ALL LIMITES OF SAW-CUTTING OF EXISTING FINISHED SURFACES TO REMAIN. CONCRETE OR BRICK MASNORY SAW-CUTS SHALL BE ALONG EXSISTING JOINTS WHENEVER POSSBILE; NO OVER CUTS WILL BE ALLOWED.

N

SITE PLAN - DEMO
Scale: 1/16" = 1'-0"

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SITE DEMOLITION PLAN

A1.01

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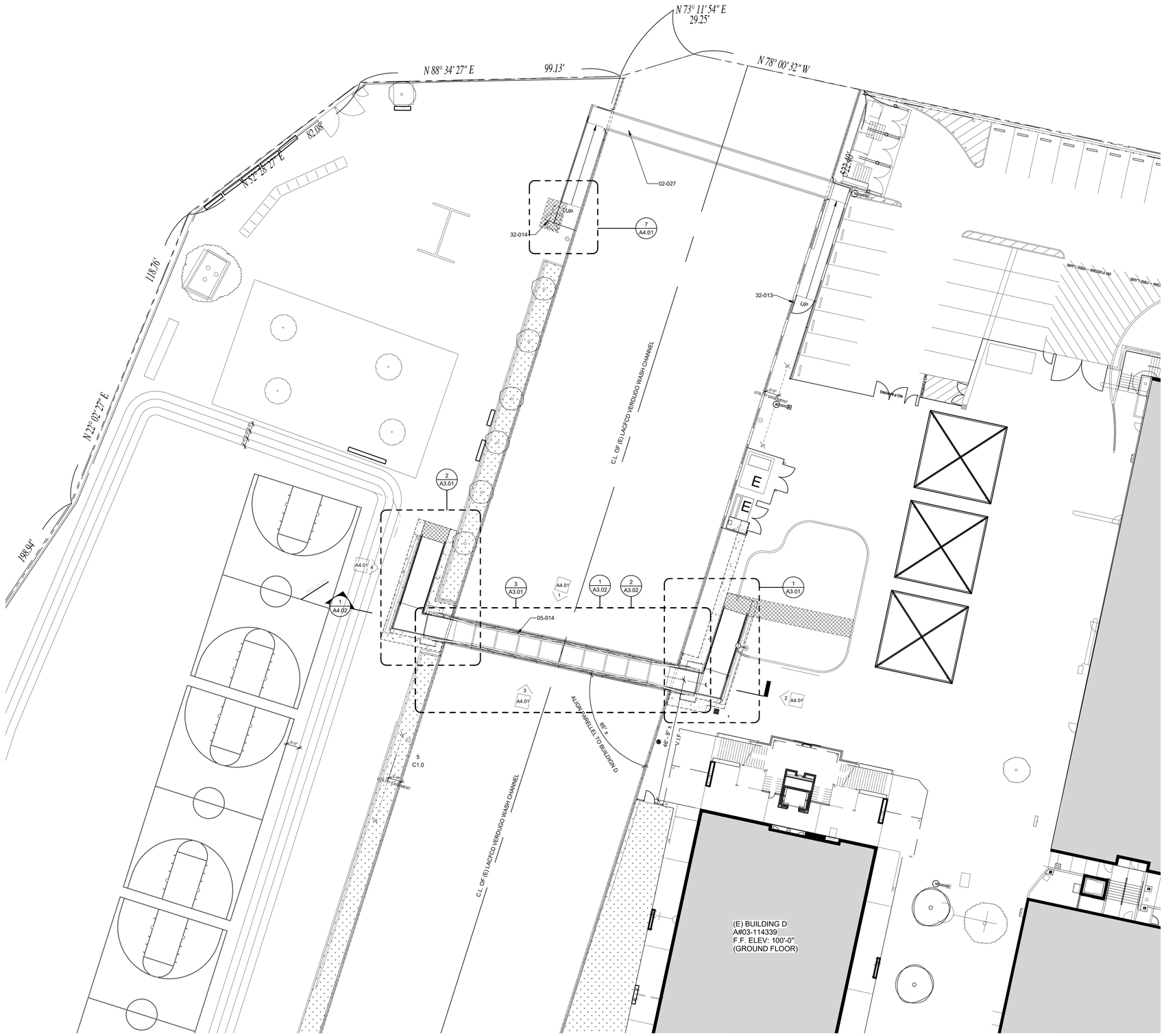

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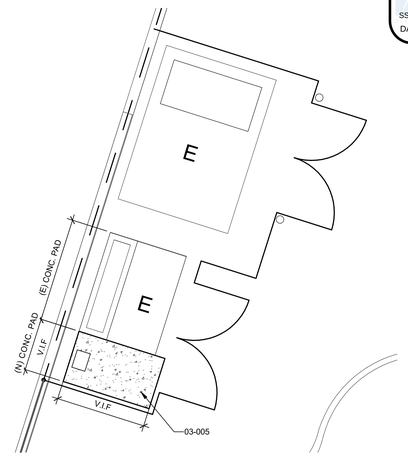
Site Plan
Scale: 1/16" = 1'-0"



2 Enlarge Floor Plan-(N) Extension Pad
Scale: 3/16" = 1'-0"

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
02-027	REMOVE (E) PAVING AND TRENCH FOR NEW UTILITY ROUTES - SEE ELECTRICAL FOR MORE INFORMATION
03-005	PROVIDE (N) CONCRETE EQUIPMENT PAD
05-014	(N) STEEL PRATT TRUSS BRIDGE
32-013	(N) SITE SIGNAGE MOUNTED ON CHAINLINK GATE TO READ: AUXILLIARY BRIDGE NOT FOR PUBLIC USE - SEE #4/G0.02
32-014	(N) CHAINLINK GATE, FENCING, AND NEW POST FOOTINGS - SEE
02-020	(E) CHAINLINK FENCE ENCLOSURE AND GATES TO REMAIN

SITE PLAN LEGEND

EXISTING PROPERTY LINE

EXISTING BUILDINGS - N.I.C.

EXISTING LANDSCAPE AREA - PROTECT IN PLACE

ACCESSIBLE ROUTE TO BE MODIFIED FOR ACCESS COMPLIANCE - SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION

(E) POLE LIGHT

E — (E) ELECTRIC VAULT - TO REMAIN PROTECT IN PLACE

(N) CONC. PAD FOR (N) INVERTER
SEE CIVIL & ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

GENERAL NEW CONSTRUCTION NOTES

1. 100'-0" IS THE DATUM ELEVATION AND CORRESPONDS TO THE REFERENCED BUILDING "D" FINISH FLOOR ELEVATION 822.40'. SEE CIVIL FOR FURTHER INFORMATION.
2. (N) SURFACE MOUNTED SIGNAGE SHALL COMPLY WITH STATE AND LOCAL BUILDING CODES.
3. PATCH AND REPAIR ALL (E) FINISH SURFACES AND FINISH MATERIALS OR EQUIPMENT DAMAGED AS A RESULT OF THE WORK BEING PERFORMED. PATCHES AND/OR REPAIR PERFORMED SHALL MATCH ADJACENT (E) MATERIALS IN TEXTURE AND SURFACE FINISH.
4. FOR ALL ELECTRICAL WORK, REFER TO ELECTRICAL DRAWINGS
5. PATCH AND REPAIR ALL (E) FINISH SURFACES AND FINISH MATERIALS OR EQUIPMENT DAMAGED AS A RESULT OF THE OWKR BEING PERFORMED. PATCHES AND/OR REPAIRS PERFORMED SHALL MATCH ADJACENT(E) MATERIALS IN TEXTURE AND SURFACE FINISH. THE COMPLETE AREA SHALL BE PREPARED TO RECIEVE NEW PAINT APPLICATION FOR A UNIFORM APPEARANCE. REFER TO FINISH SCHEDULE.

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PROPOSED SITE PLAN

A1.02

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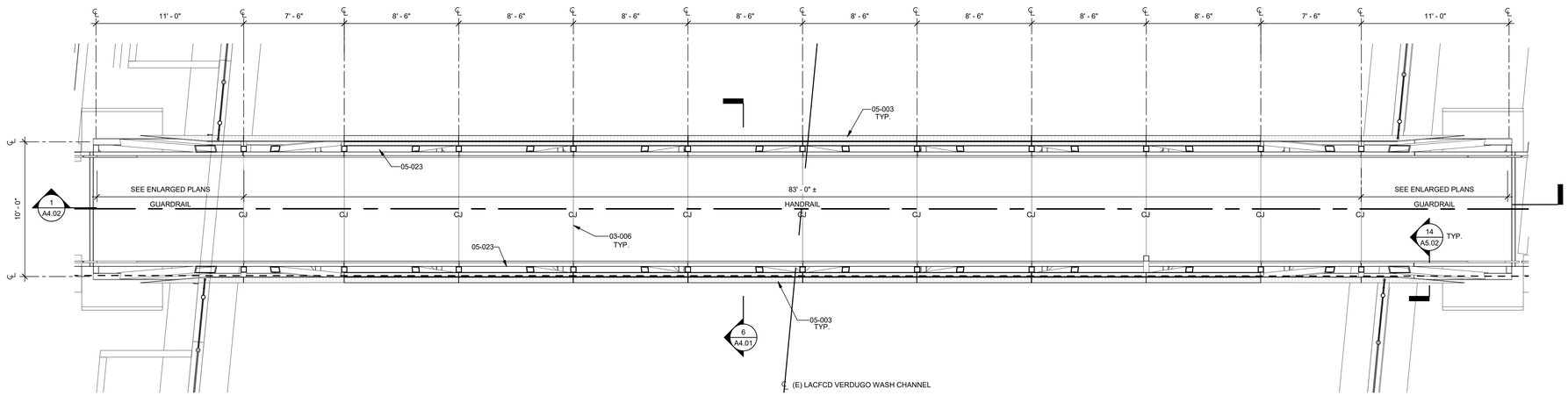
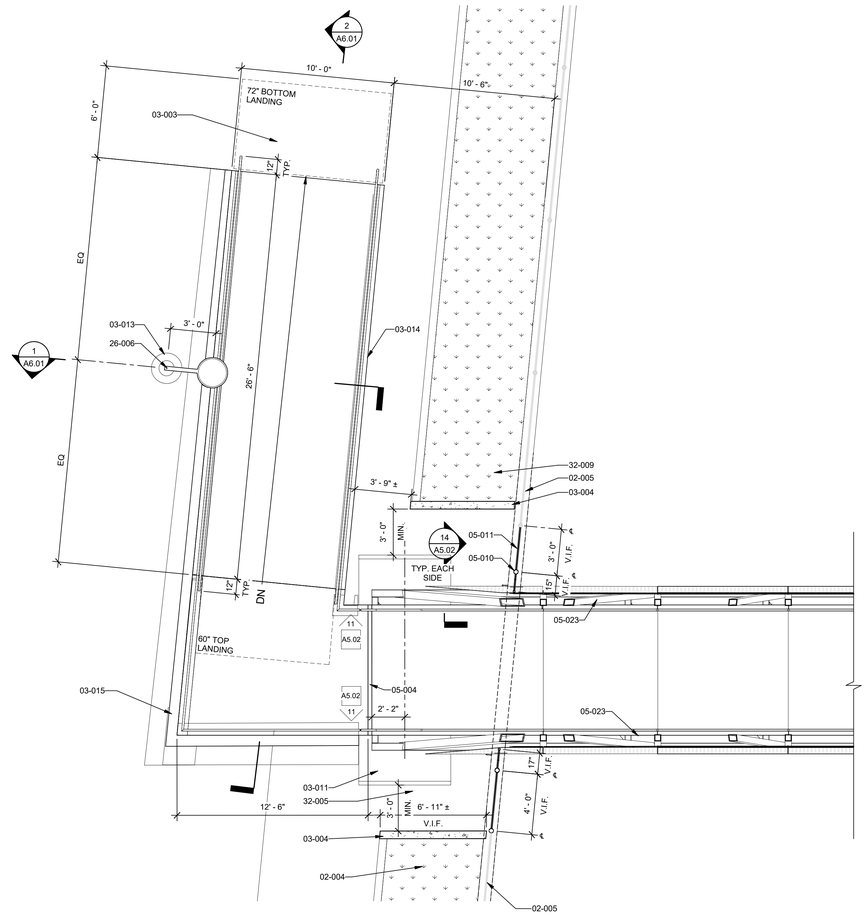


N

3 ENLARGED FLOOR PLAN - BRIDGE

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



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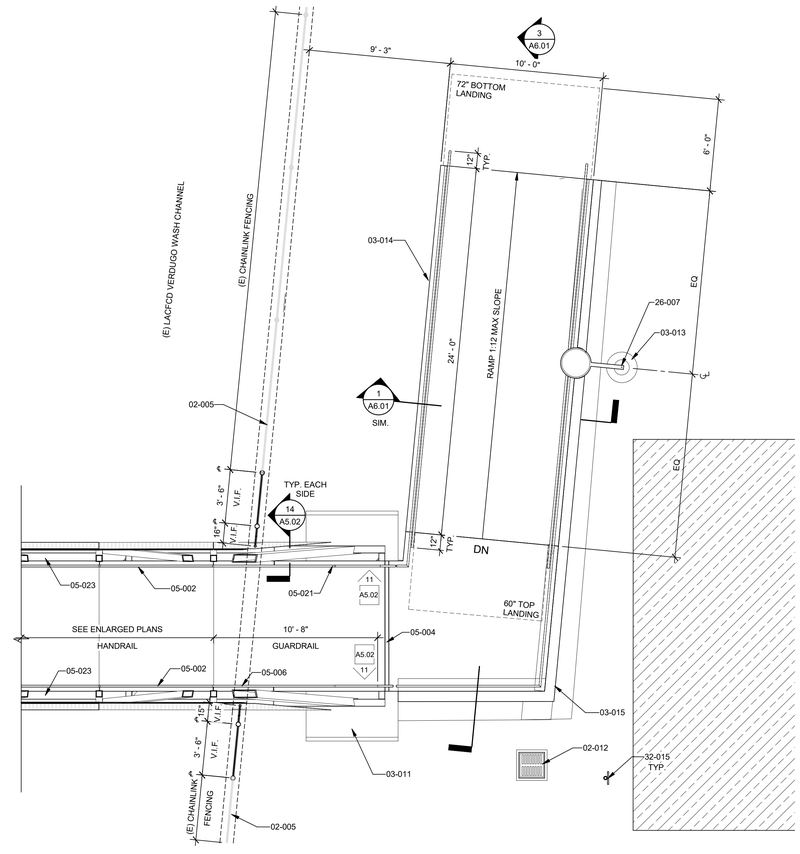
2 ENLARGED FLOOR PLAN - WEST ENTRANCE

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



N

1 ENLARGED FLOOR PLAN - EAST ENTRANCE

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

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
02-005	(E) CHAIN LINK FENCING TO REMAIN - PROTECT IN PLACE UNLESS NOTED OTHERWISE
03-003	PROVIDE CONCRETE PAVEMENT, SEE CIVIL GRADING PLAN & DETAILS 1/C1.0
03-006	PROVIDE EXPANSION AND CONTROL JOINTS IN CONCRETE PER CIVIL #2/C1.0 & #3/C1.0
03-014	(N) CONCRETE RETAINING WALL & FOOTING - SEE DETAIL #3/A5.01
05-002	PROVIDE HANDRAIL W/ BASE GUARD - SEE #2/A5.02
05-003	PERFORATED METAL PANEL - SEE SHEET A5.02 FOR DETAILS
05-004	PROVIDE EXPANSION JOINT METAL COVER PLATE - SEE #15/A5.02
05-006	PROVIDE GUARDRAILS - SEE #1/A5.02
05-010	ADD NEW CHAINLINK POSTS AT EACH SIDE AT BREAK IN (E) FENCING - SEE DETAIL 5/A5.01
05-021	Provide floor mounted post w/ embed plate - see #6/s5.02
05-023	PROVIDE CONTINUOUS METAL GRATE ALONG CONCRETE DECK PERIMETER - SEE #13/A5.02
26-006	(N) LIGHT POLE - SEE ELECTRICAL FOR MORE INFORMATION
26-007	RELOCATED LIGHT POLE - SEE ELECTRICAL FOR MORE INFORMATION
32-005	PROVIDE ASPHALT PAVEMENT, SEE CIVIL GRADING PLAN AND DETAIL #4/C1.0 & #6/C1.0
32-009	CONTRACTOR TO RECONFIGURE (E) IRRIGATION PIPES, VALVES, HEADS, ETC. AS REQUIRED AT AREAS AFFECTED BY THE SCOPE OF WORK
32-015	P.O.T. SITE SIGNAGE - SEE DETAILS 1&2/G0.02

PLAN NOTES

1. ALL EXPOSED CAST IN PLACE CONCRETE TO HAVE A CLEAR SEALER PER SPECIFICATIONS. ALL FINISHED GROUND SURFACES SHALL BE STABLE, FIRM AND SLIP RESISTANT.
2. WHERE NOTES ON THE DRAWINGS INDICATE A CONDITION AT ONE LOCATION, WHETHER INDICATED AS TYPICAL OR NOT, THE NOTE SHALL APPLY TO ALL SIMILAR LOCATIONS
3. UNO. DIMENSIONS ARE TYPICALLY TAKEN TO GRID LINE, EDGE OF CONCRETE. OR CENTERLINE STRUCTURAL MEMBER, UNLESS NOTED OTHERWISE OR INDICATED ON DETAILS.
4. ALL BRIDGE SIGNAGE AND IDENTIFYING DEVICES TO COMPLY WITH THE REQUIREMENTS OF THE ADA (AMERICANS WITH DISABILITIES ACT) - SEE DETAILS AND NOTES ON SHEET G0.02
5. BOLLARDS AND CHAIN LINK FENCING DETAILS PER SHEET A5.01
6. PERFORATED METAL PANELS AND CONNECTION DETAILS PER SHEET A5.02
7. PROVIDE HANDRAILS ON BOTH SIDES OF ALL RAMPS & STAIRS INDICATED ON PLANS UNLESS NOTED OTHERWISE. HANDRAILS TO BE INSTALLED AS SHOWN ON DETAILS 1/A5.02 & 2/A5.02.
8. REFER TO CIVIL PLANS FOR SITE WORK INFORMATION, INCLUDING WALKS, DRIVES, CURBS, ETC.
9. CONTROL JOINTS ("CJ") EXTEND FULL LENGTH OF CONCRETE, TYP. SEE C1.0 FOR DETAILS
10. STEEL CONSTRUCTION AND DETAILS ARE AS SPECIFIED IN STRUCTURAL DRAWINGS. REFER TO STRUCTURAL DOCUMENTS FOR ADDITIONAL INFORMATION.
11. SEE SHEET E1.02 & E1.03 FOR POWER, DATA, AND FIRE ALARM CONDUIT RUNS AT UNDERSIDE OF BRIDGE.

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No. C-27097
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STATE OF CALIFORNIA

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VERDUGO WOODLANDS ELEMENTARY SCHOOL
PEDESTRIAN BRIDGE

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ENLARGED PLANS

A3.01

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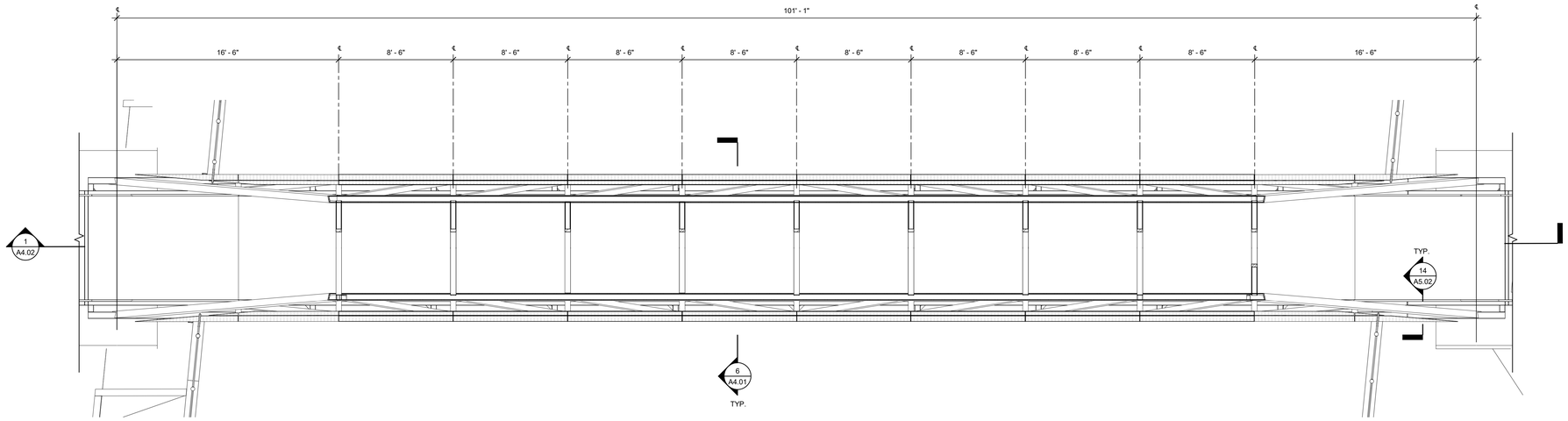
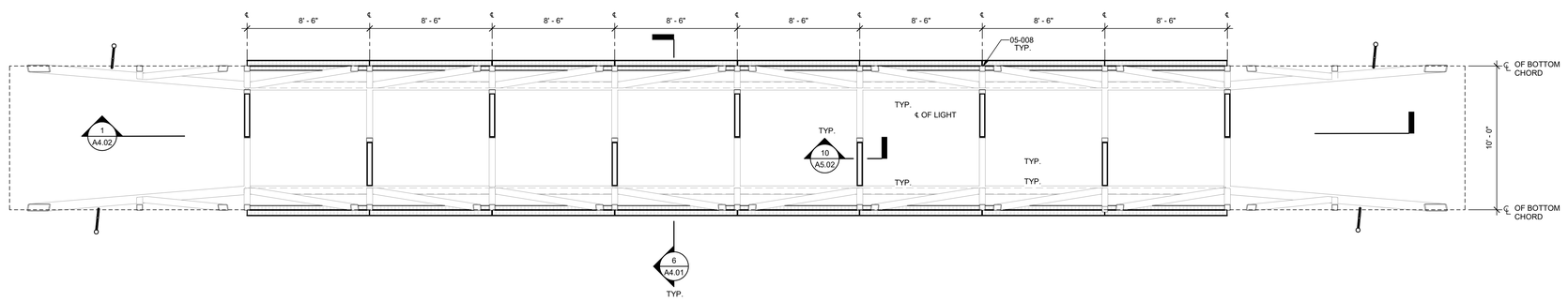


N

2 ENLARGED ROOF PLAN - BRIDGE
Scale: 1/4" = 1'-0"



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1 ENLARGED REFLECTED CEILING PLAN - BRIDGE
Scale: 1/4" = 1'-0"

KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
05-008	HSS TRUSS WEB - SEE STRUCTURAL FOR MORE INFORMATION

PLAN NOTES

1. ALL EXPOSED CAST IN PLACE CONCRETE TO HAVE A CLEAR SEALER PER SPECIFICATIONS. ALL FINISHED GROUND SURFACES SHALL BE STABLE, FIRM AND SLIP RESISTANT.
2. WHERE NOTES ON THE DRAWINGS INDICATE A CONDITION AT ONE LOCATION, WHETHER INDICATED AS TYPICAL OR NOT, THE NOTE SHALL APPLY TO ALL SIMILAR LOCATIONS
3. UNO. DIMENSIONS ARE TYPICALLY TAKEN TO GRID LINE, EDGE OF CONCRETE, OR CENTERLINE STRUCTURAL MEMBER, UNLESS NOTED OTHERWISE OR INDICATED ON DETAILS.
4. ALL BRIDGE SIGNAGE AND IDENTIFYING DEVICES TO COMPLY WITH THE REQUIREMENTS OF THE ADA (AMERICANS WITH DISABILITIES ACT) - SEE DETAILS AND NOTES ON SHEET G0.02
5. BOLLARDS AND CHAIN LINK FENCING DETAILS PER SHEET A5.01
6. PERFORATED METAL PANELS AND CONNECTION DETAILS PER SHEET A5.02
7. PROVIDE HANDRAILS ON BOTH SIDES OF ALL RAMPS & STAIRS INDICATED ON PLANS UNLESS NOTED OTHERWISE. HANDRAILS TO BE INSTALLED AS SHOWN ON DETAILS 1/A5.02 & 2/A5.02.
8. REFER TO CIVIL PLANS FOR SITE WORK INFORMATION, INCLUDING WALKS, DRIVES, CURBS, ETC.
9. CONTROL JOINTS ("CJ") EXTEND FULL LENGTH OF CONCRETE, TYP. SEE C1.0 FOR DETAILS
10. STEEL CONSTRUCTION AND DETAILS ARE AS SPECIFIED IN STRUCTURAL DRAWINGS. REFER TO STRUCTURAL DOCUMENTS FOR ADDITIONAL INFORMATION.
11. SEE SHEET E1.02 & E1.03 FOR POWER, DATA, AND FIRE ALARM CONDUIT RUNS AT UNDERSIDE OF BRIDGE.

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ENLARGED PLANS

A3.02

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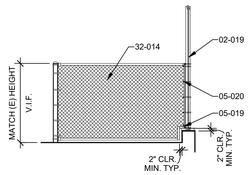
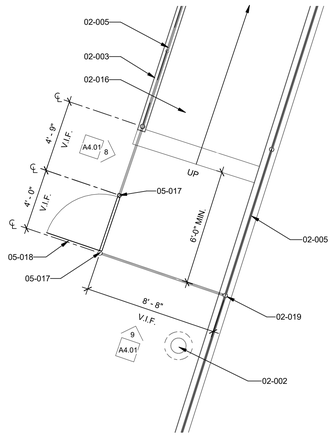
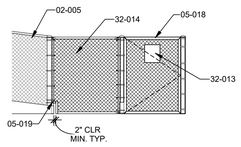


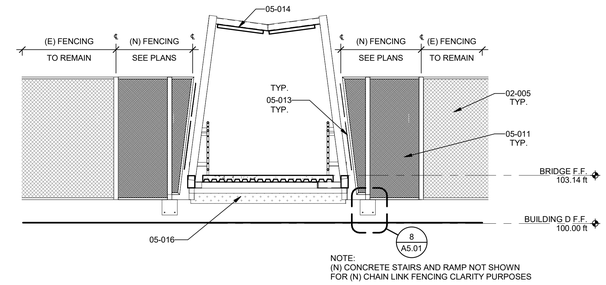
9 WEST FENCE @ EXISTING BRIDGE - SOUTH ELEVATION
Scale: 1/4" = 1'-0"





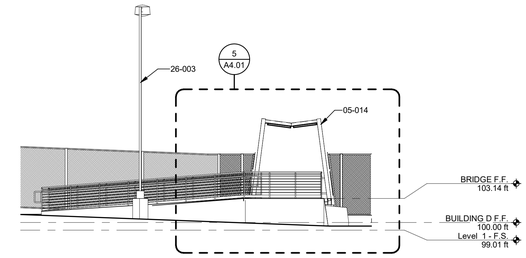
8 WEST FENCE @ EXISTING BRIDGE - WEST ELEVATION
Scale: 1/4" = 1'-0"

7 ENLARGED PLAN - WESTSIDE CHAINLINK GATE @ (E) CONC. RAMP
Scale: 1/4" = 1'-0"

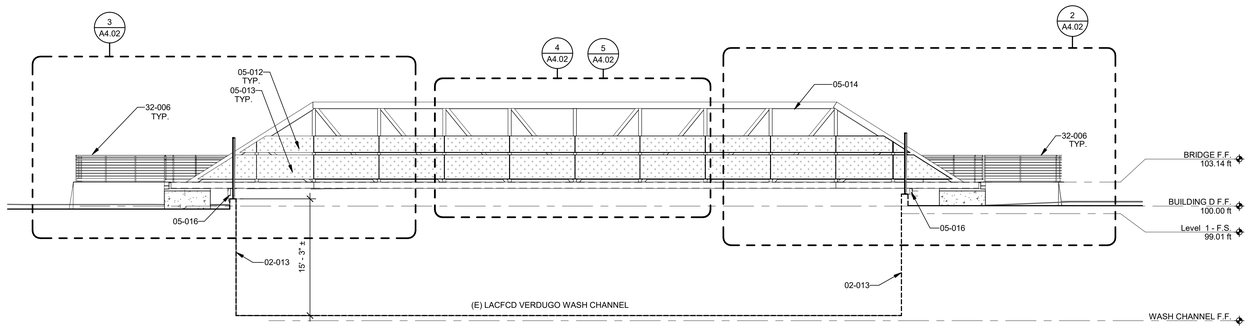


NOTE:
(N) CONCRETE STAIRS AND RAMP NOT SHOWN
FOR (N) CHAIN LINK FENCING CLARITY PURPOSES

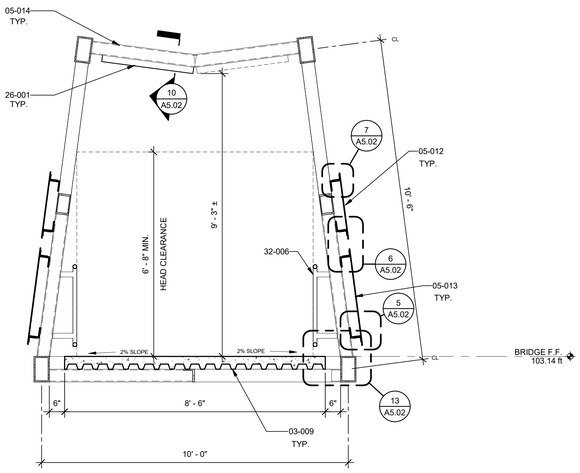
5 ENTRY FENCING
Scale: 1/4" = 1'-0"



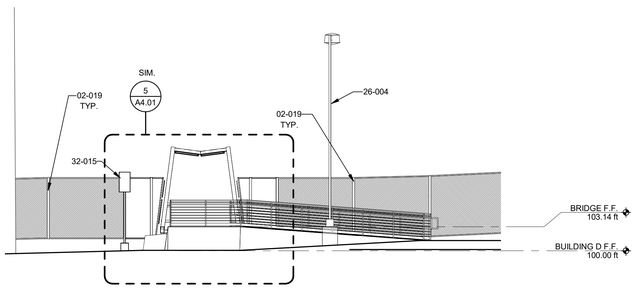
4 WEST ELEVATION
Scale: 1/8" = 1'-0"



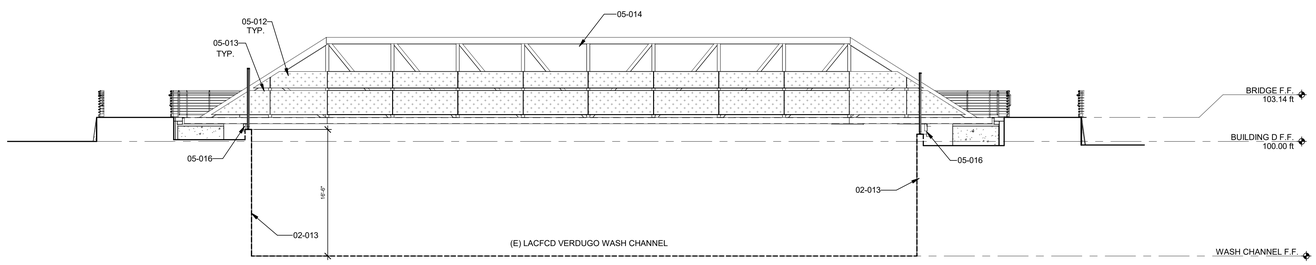
3 SOUTH ELEVATION
Scale: 1/8" = 1'-0"



6 CROSS SECTION
Scale: 1/2" = 1'-0"



2 EAST ELEVATION
Scale: 1/8" = 1'-0"



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

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
02-002	(E) POWER POLE TO REMAIN - PROTECT IN PLACE
02-003	(E) CONCRETE WALL TO REMAIN - PROTECT IN PLACE
02-005	(E) CHAIN LINK FENCING TO REMAIN - PROTECT IN PLACE UNLESS NOTED OTHERWISE
02-013	(E) CONCRETE RETAINING WALL OF DE-WATERING CHANNEL TO REMAIN - PROTECT IN PLACE
02-016	(E) RAMP TO REMAIN - TO BE FENCED OFF AND SECURED FROM PUBLIC USE
02-019	(E) CHAINLINK POST TO REMAIN - PROTECT IN PLACE
03-009	PROVIDE STRUCTURAL CONCRETE DECK - SEE DETAIL #1/S5.02
05-011	PROVIDE INFILL PANEL OF 1" SECURITY CHAINLINK FENCING TO MATCH (E) FINISH - SEE #5/A5.01
05-012	PROVIDE (N) TOP PERFORATED METAL PANEL - SEE #5/A6.01 AND #7/A6.01 FOR MORE INFORMATION
05-013	PROVIDE (N) BOTTOM PERFORATED METAL PANEL - SEE #6/A6.01 AND #7/A6.01 FOR MORE INFORMATION
05-014	(N) STEEL PRATT TRUSS BRIDGE
05-016	PROVIDE SECURITY PERFORATED PANEL - SEE #12/A5.02
05-017	PROVIDE NEW CHAINLINK POST & FOOTING - SEE DETAIL 9/A5.01
05-018	PROVIDE NEW CHAINLINK GATE - SEE DETAIL 10/A5.01
05-019	WELD BOTTOM RAIL AT 90 DEGREE BENDS AROUND (E) CONCRETE RETAINING WALL
05-020	PROVIDE (N) CHAINLINK FENCING CONNECTION TO (E) CHAINLINK POST - SEE DETAIL 5/A5.01 FOR TYPICAL BRACE BAND AND STRETCHER BAR INFORMATION
26-001	PROVIDE LIGHT FIXTURES - SEE ELECTRICAL FOR MORE INFORMATION
26-003	PROVIDE NEW LIGHT POLE AND CONCRETE BASE TO MATCH (E) STYLE AND FINISH - SEE ELECTRICAL FOR MORE INFORMATION
26-004	RELOCATED LIGHT POLE WITH NEW CONCRETE BASE - SEE #7/S4.01
32-006	PROVIDE GUARDRAIL/HANDRAIL PER SHEET A5.02
32-013	(N) SITE SIGNAGE MOUNTED ON CHAINLINK GATE TO READ: AUXILLIARY BRIDGE NOT FOR PUBLIC USE - SEE #4/G0.02
32-014	(N) CHAINLINK GATE, FENCING, AND NEW POST FOOTINGS - SEE ENLARGED PLANS
32-015	P.O.T. SITE SIGNAGE - SEE DETAILS 1&2/G0.02

EXTERIOR ELEVATION GENERAL NOTES

1. SEE STRUCTURAL FOR MORE INFORMATION ON METAL TRUSS DETAILING AND CONFIGURATION
2. 100'-0" IS THE DATUM ELEVATION AND CORRESPONDS TO THE REFERENCED BUILDING "D" FINISH FLOOR ELEVATION 822.40'. SEE CIVIL FOR FURTHER INFORMATION.
3. PERFORATED PANEL PATTERN SHOWN AS A GENERIC PATTERN FOR CLARITY - ACTUAL METAL PANEL PATTERN TO BE SELECTED BY ARCHITECT

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No. C-27097
Exp. 8/31/21
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GLENDALE UNIFIED SCHOOL DISTRICT
VERDUGO WOODLANDS ELEMENTARY SCHOOL
PEDESTRIAN BRIDGE
1751 NORTH VERDUGO ROAD, GLENDALE, CA

NAC ARCHITECTURE
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CHECKED	H.H.
DATE	08-07-2018

ENLARGED PLANS, SECTIONS, AND ELEVATIONS

A4.01

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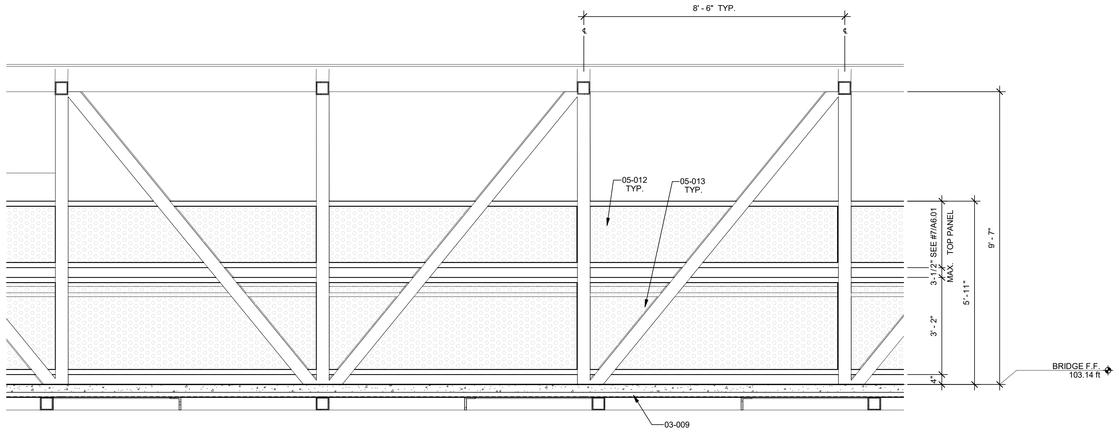
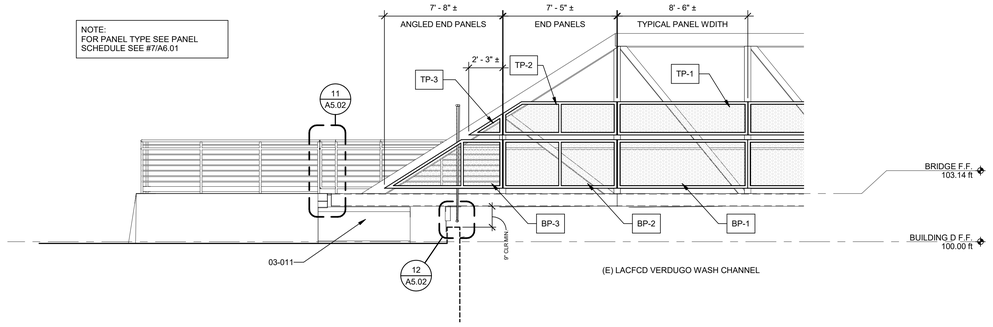
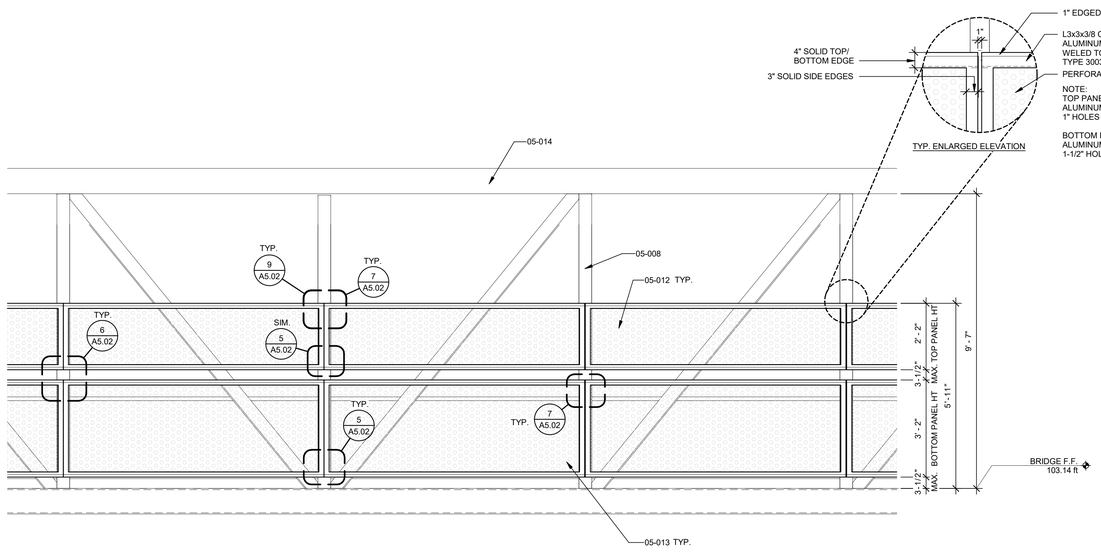


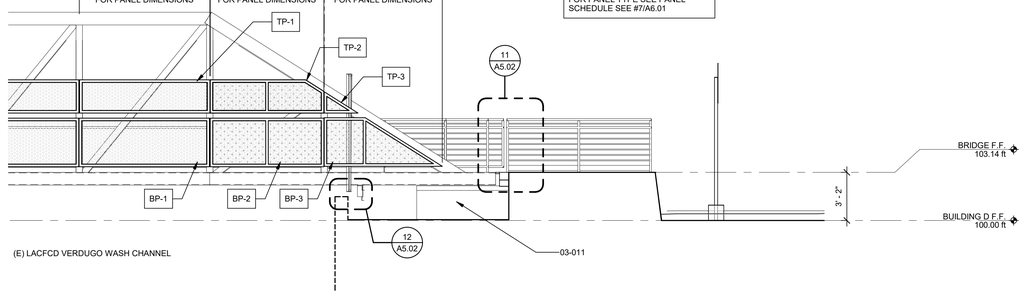
5 TYPICAL PANEL LAYOUT - SECTION - INTERIOR
Scale: 1/2" = 1'-0"



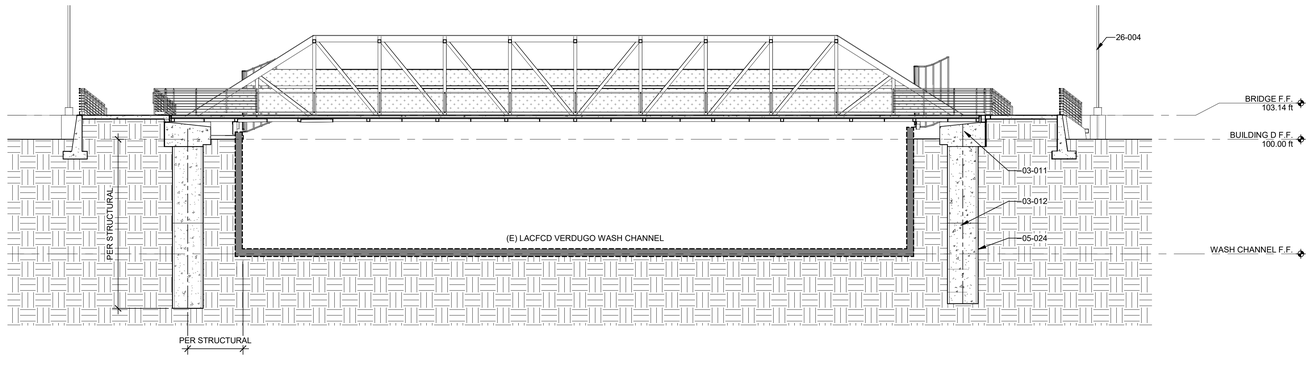
3 ENLARGED ELEVATION - WEST ENTRANCE
Scale: 1/4" = 1'-0"



4 TYPICAL PANEL LAYOUT - ELEVATION - EXTERIOR
Scale: 1/2" = 1'-0"



2 ENLARGED ELEVATION - EAST ENTRANCE
Scale: 1/4" = 1'-0"



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

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
03-009	PROVIDE STRUCTURAL CONCRETE DECK - SEE DETAIL #1/S5.02
03-011	PROVIDE (N) CONCRETE PILE CAP - SEE DETAIL #11/A5.01 & #1/S4.02
03-012	PROVIDE (N) ISOLATED CONCRETE PILE FOUNDATION - SEE DETAIL #4/S4.01
05-008	HSS TRUSS WEB - SEE STRUCTURAL FOR MORE INFORMATION
05-012	PROVIDE (N) TOP PERFORATED METAL PANEL - SEE #5/A6.01 AND #7/A6.01 FOR MORE INFORMATION
05-013	PROVIDE (N) BOTTOM PERFORATED METAL PANEL - SEE #6/A6.01 AND #7/A6.01 FOR MORE INFORMATION
05-014	(N) STEEL PRATT TRUSS BRIDGE
05-024	(N) STEEL CASING ISOLATOR FOR CONCRETE PILE - SEE #4/S4.01
26-004	RELOCATED LIGHT POLE WITH NEW CONCRETE BASE - SEE #7/S4.01

NOTE: SEE SHEET A4.01 FOR GENERAL EXTERIOR ELEVATION NOTES & A6.01 FOR PANEL TYPE AND SCHEDULE INFORMATION.

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SECTIONS & ELEVATIONS

A4.02

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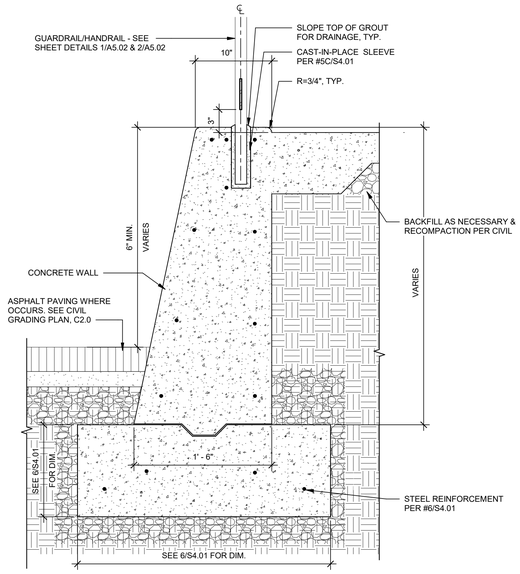
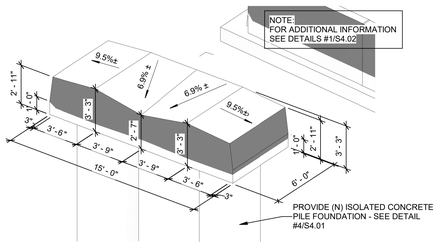
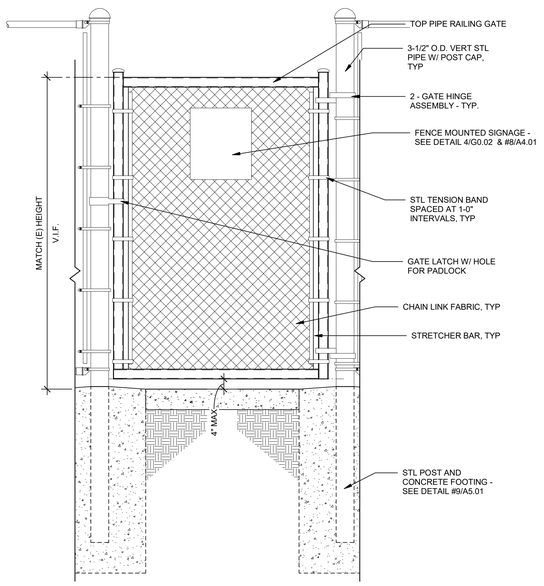


NOTES:
1. SEE DETAILS #6/S4.01 FOR ADDITIONAL STEEL REINFORCEMENT AND FOOTING INFORMATION
2. PROVIDE EXPANSION JOINTS AT 25'-0" O.C. MAX. AND AT CURVES, TANGENTS/CORNERS.
3. CONTINUE REBARS THROUGH 4 EXPANSION JOINTS.
4. BASE OF WALL TO BE SET ON COMPACTED SUB-BASE.
5. TOOL FINISH ALL EXPOSED CONC. SURFACES

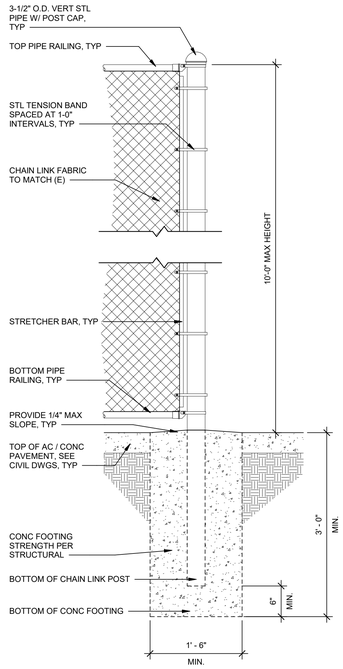
12 ANGLED CONC. WALL @ STAIRS
Scale: 1 1/2" = 1'-0"



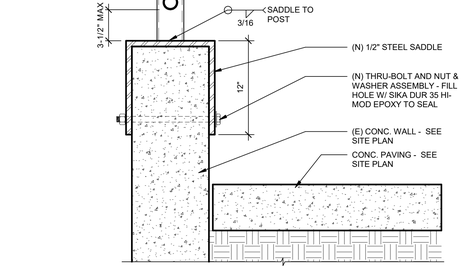
11 CONCRETE PILE CAP - AXONOMETRIC
Scale: NTS



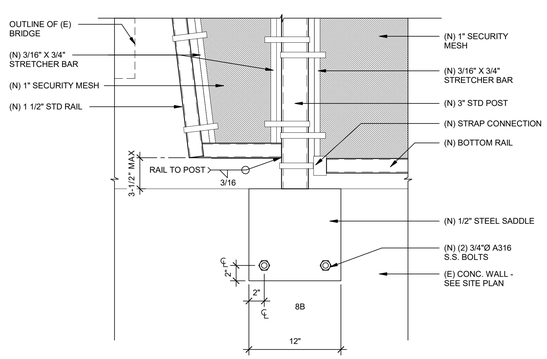
10 SL - CHAIN LINK FENCE GATE
Scale: 1" = 1'-0"



9 SL - CHAIN LINK POST EMBEDMENT
Scale: 1" = 1'-0"

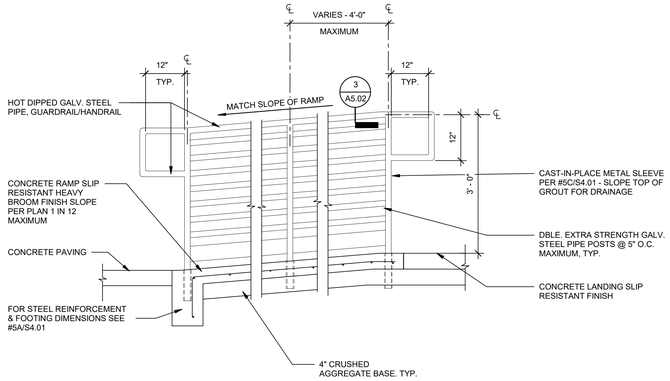


B SECTION

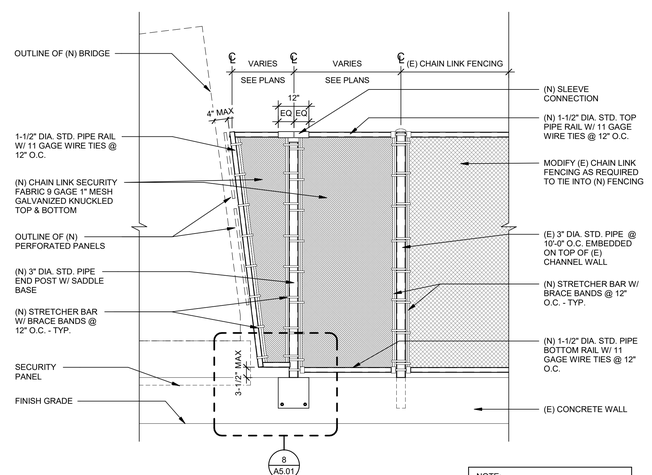


A ELEVATION

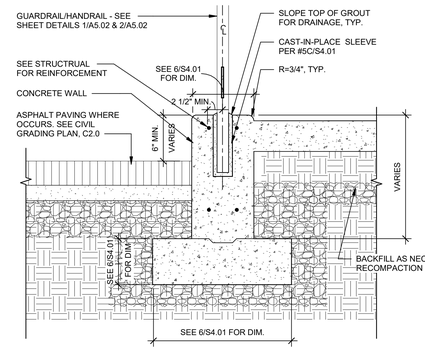
8 CHAIN POST SADDLE
Scale: 1 1/2" = 1'-0"



6 RAMP SECTION, TYP.
Scale: 3/4" = 1'-0"

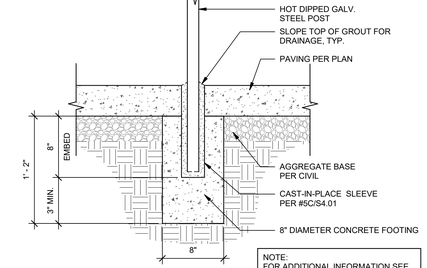


5 CHAIN LINK FENCE INFILL
Scale: 1/2" = 1'-0"

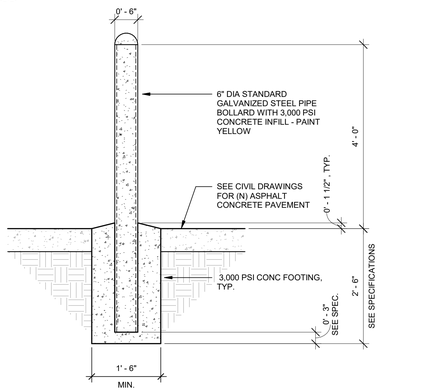


NOTES:
1. SEE STRUCTURAL DETAILS #6/S4.01 FOR MORE INFORMATION
2. PROVIDE EXPANSION JOINTS AT 25'-0" O.C. MAX. AND AT CURVES, TANGENTS/CORNERS.
3. CONTINUE REBARS THROUGH 4 EXPANSION JOINTS.
4. BASE OF CURB TO BE SET ON COMPACTED SUB-BASE PER CIVIL #5/C1.0
5. TOOL FINISH ALL EXPOSED CONC. SURFACES

3 RAIL POST POCKET @ CONC. WALL
Scale: 1 1/2" = 1'-0"



2 HANDRAIL POST EMBEDMENT DETAIL
Scale: 1 1/2" = 1'-0"



1 SL - BOLLARD
Scale: 3/4" = 1'-0"

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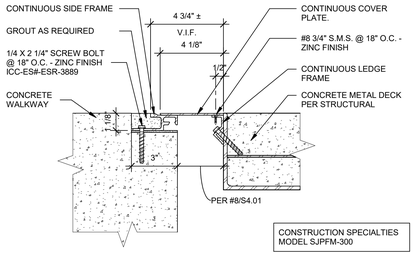
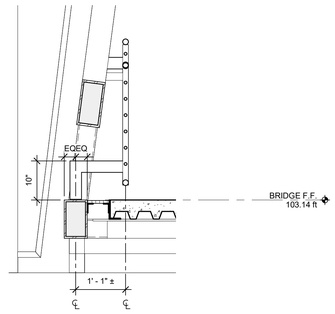
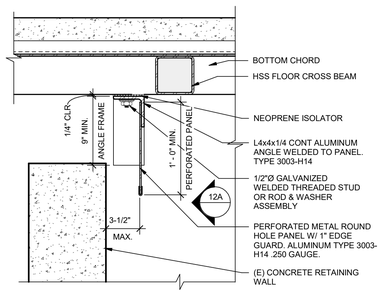


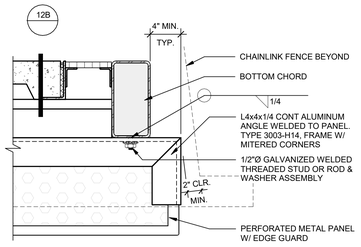
15 EXPANSION JOINT COVER
Scale: 3" = 1'-0"



14 ANGLED RAIL SUPPORT
Scale: 3/4" = 1'-0"

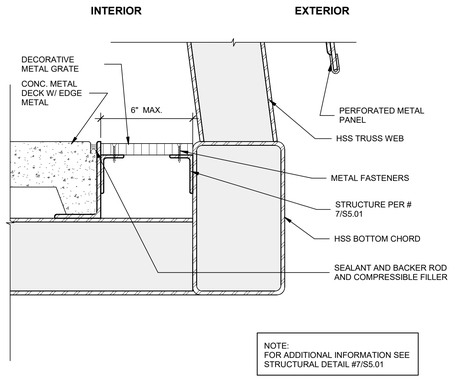


B SECTION

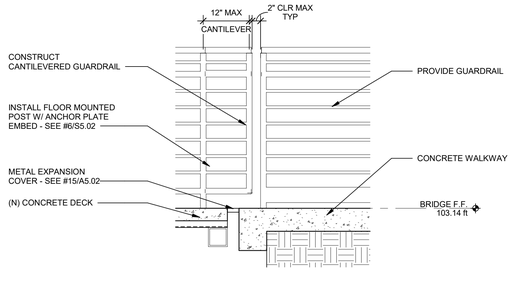


A ELEVATION

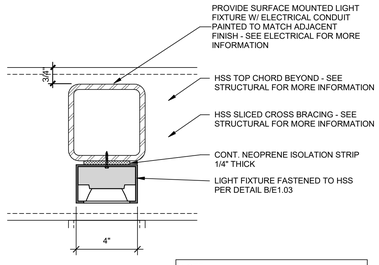
12 SECURITY PANEL
Scale: 1 1/2" = 1'-0"



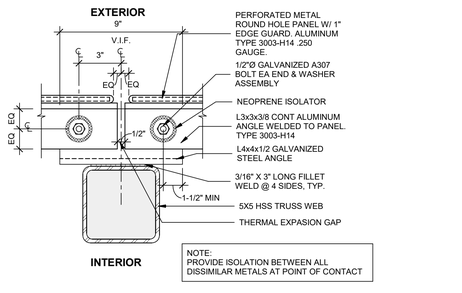
13 METAL GRATE @ BRIDGE WALKWAY
Scale: 3" = 1'-0"



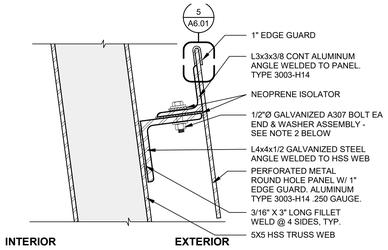
11 GUARD RAIL AT EXPANSION JOINT
Scale: 3/4" = 1'-0"



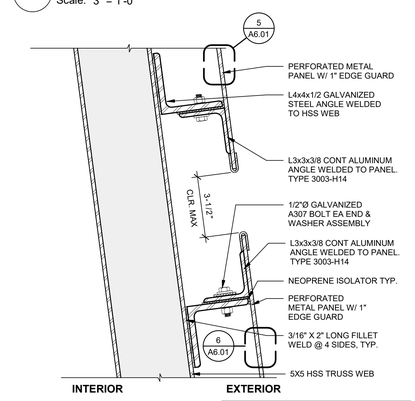
10 LIGHT DETAIL
Scale: 3" = 1'-0"



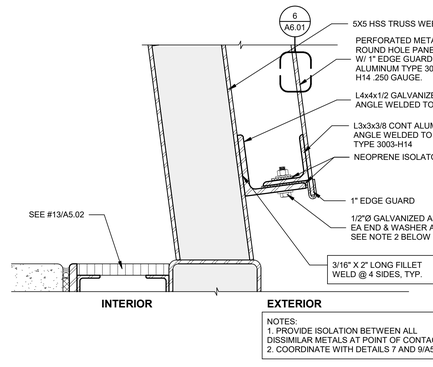
9 PANEL CONNECTION - PLAN - WELDED ANGLE
Scale: 3" = 1'-0"



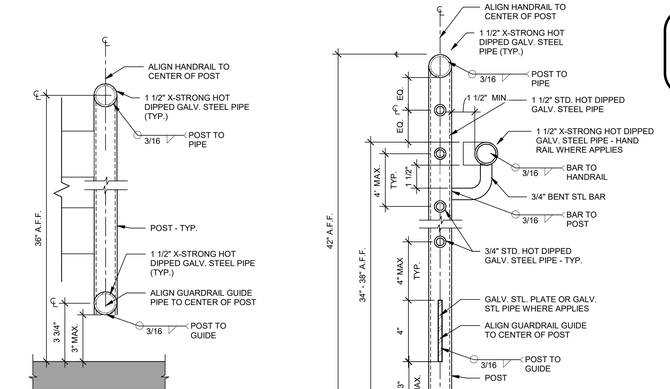
7 PANEL TOP CONNECTION - SECTION - WELDED ANGLE
Scale: 3" = 1'-0"



6 PANEL MID CONNECTION - SECTION - WELDED ANGLES
Scale: 3" = 1'-0"

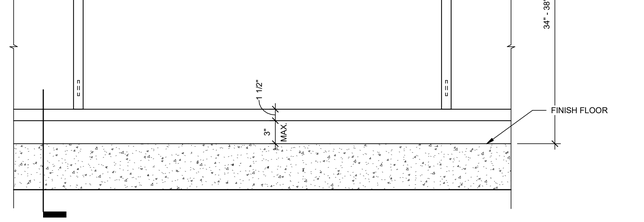


5 PANEL BOTTOM CONNECTION - SECTION - WELDED ANGLE
Scale: 3" = 1'-0"

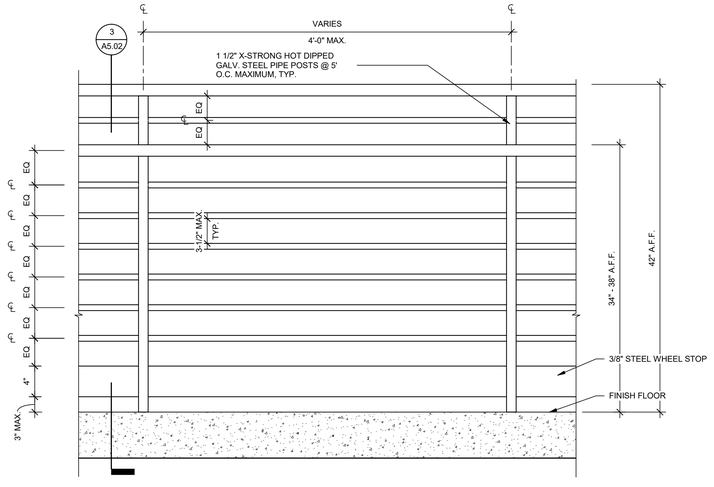


4 HANDRAIL SECTION
Scale: 3" = 1'-0"

3 GUARDRAIL SECTION
Scale: 3" = 1'-0"



2 HANDRAIL ELEVATION
Scale: 1 1/2" = 1'-0"



1 GUARDRAIL ELEVATION
Scale: 1 1/2" = 1'-0"

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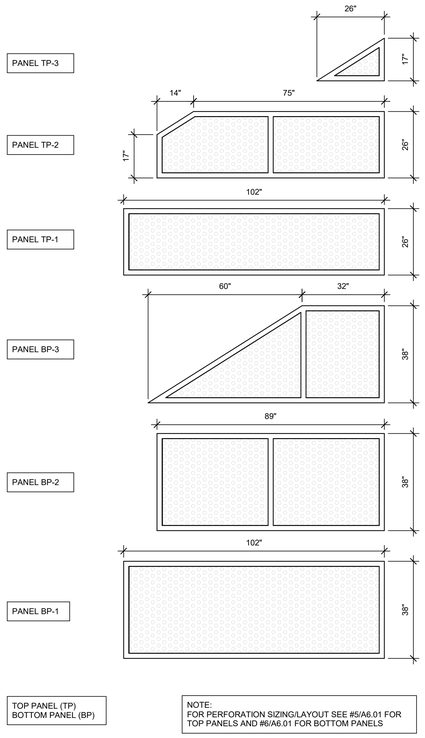
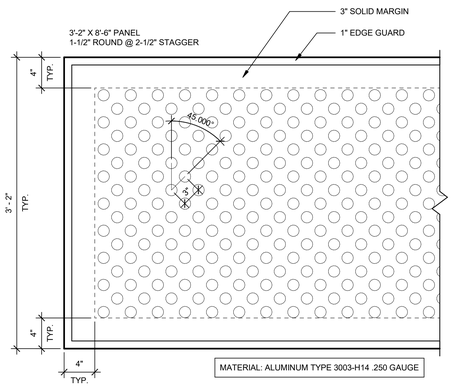


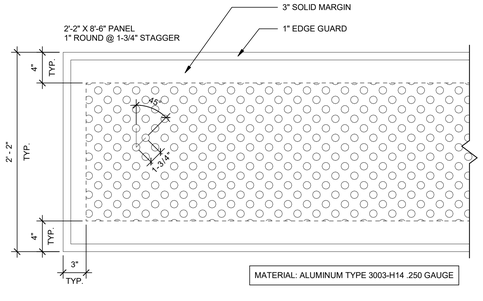
TOP PANEL (TP)
BOTTOM PANEL (BP)

NOTE:
FOR PERFORATION SIZING/LAYOUT SEE #5/A6.01 FOR TOP PANELS AND #6/A6.01 FOR BOTTOM PANELS

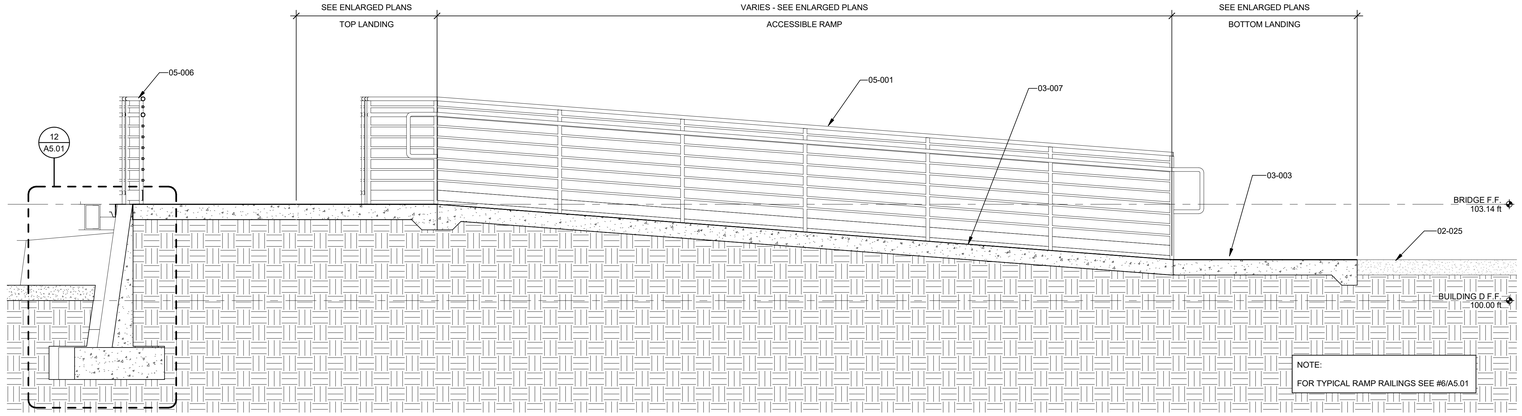
7 PANEL SCHEDULE
Scale: 1/2" = 1'-0"



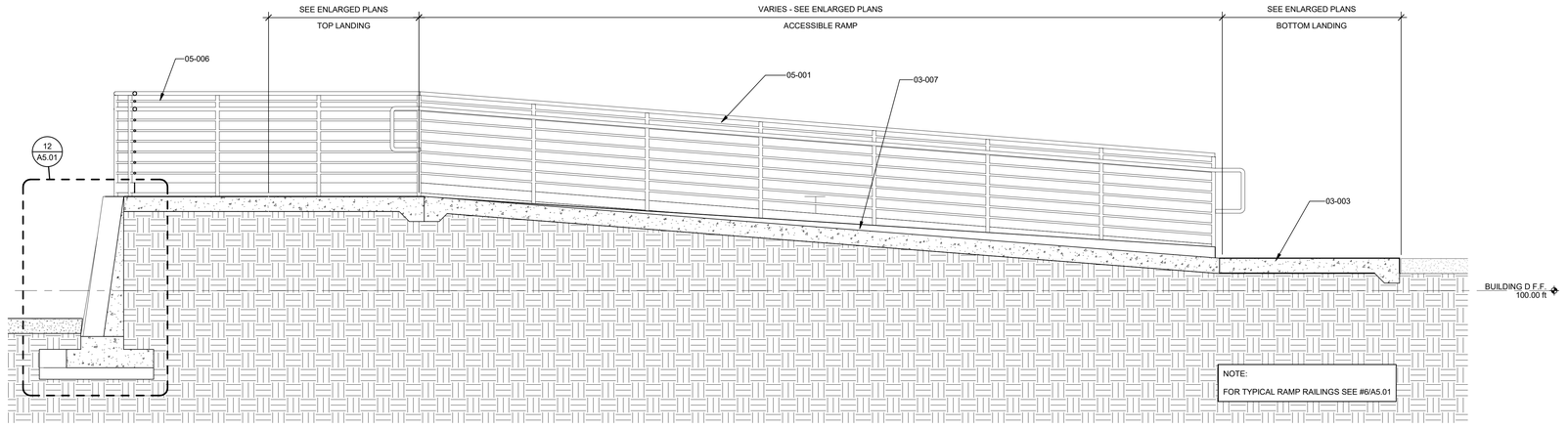
6 TYPICAL BOTTOM PERFORATED PANEL 3" STAGGER @ 45
Scale: 1 1/2" = 1'-0"



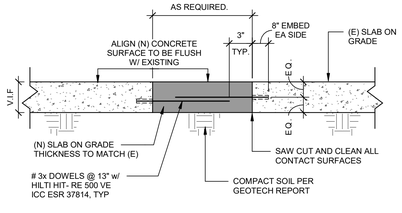
5 TYPICAL TOP PERFORATED PANEL 1-3/4" STAGGER @ 45
Scale: 1 1/2" = 1'-0"



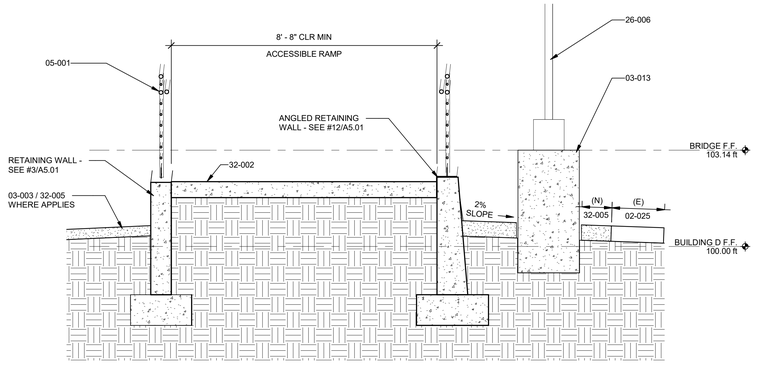
3 RAMP LONGITUDINAL SECTION 2
Scale: 1/2" = 1'-0"



2 RAMP LONGITUDINAL SECTION 1
Scale: 1/2" = 1'-0"



4 CONC INFILL AFTER CORE GROUTING
Scale: 1 1/2" = 1'-0"



1 RAMP MID CROSS SECTION - TYP.
Scale: 1/2" = 1'-0"

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
02-025	(E) PAVING TO REMAIN - PROTECT IN PLACE
03-003	PROVIDE CONCRETE PAVEMENT, SEE CIVIL GRADING PLAN & DETAILS 1/C1.0
03-007	PROVIDE CONCRETE RAMP AND LANDING
03-013	PROVIDE NEW LIGHT POLE CONCRETE BASE - SEE STRUCTURAL DETAIL #7/S4.01
05-001	PROVIDE GUARDRAILS WITH HANDRAILS - SEE #1/A5.02
05-006	PROVIDE GUARDRAILS - SEE #1/A5.02
26-006	(N) LIGHT POLE - SEE ELECTRICAL FOR MORE INFORMATION
32-002	PROVIDE CONCRETE RAMP AND LANDING - SEE #6/A5.01
32-005	PROVIDE ASPHALT PAVEMENT, SEE CIVIL GRADING PLAN AND DETAIL #4/C1.0 & #6/C1.0

NOTE:
1. SEE SHEET A4.01 FOR GENERAL EXTERIOR ELEVATION NOTES & A6.01 FOR PANEL TYPE SCHEDULE..
2. FOR RAMP LANDING ELEVATIONS SEE CIVIL

REVISIONS

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DATE: 08/19/2020

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DSA CORRECTIONS - 07.26.2019
DSA RE-SUBMITTAL - 07.21.2020
DSA BACHCHECK- 08.14.2020

LICENSED ARCHITECT
MICHAEL T. PATO
No. C-27097
EXP. 8/31/21
STATE OF CALIFORNIA

GLENDALE UNIFIED SCHOOL DISTRICT
VERDUGO WOODLANDS ELEMENTARY SCHOOL
PEDESTRIAN BRIDGE
1751 NORTH VERDUGO ROAD, GLENDALE, CA

GLENDALE UNIFIED SCHOOL DISTRICT

NAC ARCHITECTURE
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NAC NO	161-16047
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CHECKED	H.H.
DATE	08-07-2018

VERTICAL CIRCULATION

A6.01

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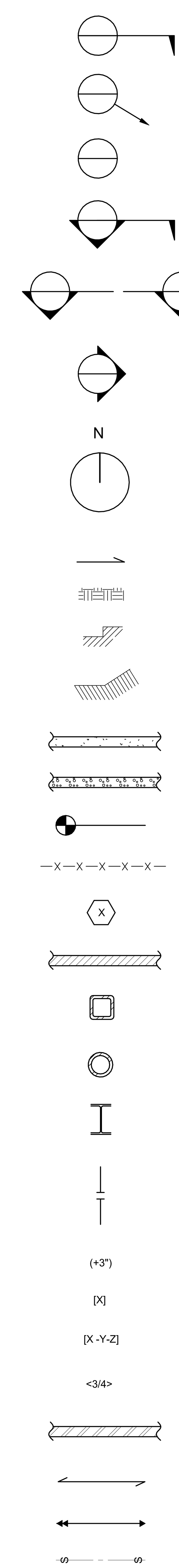
ABBREVIATIONS

AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
ADDL	ADDITIONAL
ADJ	ADJACENT
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL
AGGR	AGGREGATE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE
ALUM	ALUMINUM
ANCH	ANCHOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
APPVD	APPROVED
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL; ARCHITECT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWPA	AMERICAN WOOD PRESERVERS ASSOCIATION
AWS	AMERICAN WELDING SOCIETY
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
&	AND
@	AT
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BN	BOUNDARY NAIL
BNDRY	BOUNDARY
BOT or B	BOTTOM
BRC	BRACE
BRG	BEARING
BTWN	BETWEEN
CANT	CANTILEVER
CC	CENTER TO GRAVITY
CG	CENTER OF GRAVITY
CIP	CAST-IN-PLACE
CJ	CONSTRUCTION JOINT; CONTROL JOINT
CL	CENTER LINE
CLR	CLEARANCE; CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMP	COMPRESSION
CONC	CONCRETE
CONN	CONNECTION; CONNECT
CONSTR	CONSTRUCTION
CJP - CP	COMPLETE JOINT PENETRATION WELD
CTSK	COUNTERSINK; COUNTERSUNK
CU FT	CUBIC FOOT
d	PENNY (NAIL OR BAR DIA)
DBL	DOUBLE
DEPT	DEPARTMENT
DET	DETAIL
DF	DOUGLAS FIR/LARCH
DIA or Ø	DIAMETER
DIAG	DIAGONAL
DIAPH	DIAPHRAGM
DIM	DIMENSION
DN	DOWN
DWG	DRAWING
DWL	DOWEL
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
EL or ELEV	ELEVATION i.e. EL 100'-0" i.e. PER ELEV
ELEC	ELECTRICAL
EMBED	EMBEDMENT
EN	EDGE NAIL
ENGR	ENGINEER
EQ	EQUAL; EQUIVALENT
EQUIP	EQUIPMENT
ETC	ET CETERA
EW	EACH WAY
EXIST or (E)	EXISTING
EXT	EXTERIOR
FDN	FOUNDATION
FF	FINISHED FLOOR
FIN	FINISH
FJ	FLOOR JOIST
FL	FLOOR LINE
FLG	FLANGE
FLR	FLOOR
FN	FIELD NAIL
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOW	FACE OF WALL
FP	FULL PENETRATION; FIRE PROOFING
FRMG	FRAMING
FT	FOOT; FEET
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GB	GRADE BEAM
GLB	GLUE LAMINATED BEAM
GR	GRADE
GRND	GROUND
HORIZ	HORIZONTAL
HDF	HEADER
HGR	HANGER
HOSP	HOSPITAL
HP	HIGH POINT
HS	HIGH STRENGTH
HSH	HORIZONTALLY SLOTTED HOLES
HT	HEIGHT
ID	INSIDE DIAMETER
I-JST	I-JOIST
IN	INCH
INCL	INCLUDE
INFO	INFORMATION
INSP	INSPECTION
INT	INTERIOR
JST	JOIST
JT	JOINT
K	KIPS
KSI	KIPS PER SQUARE INCH
LAB	LABORATORY
LB(S) or #	POUND(S)
LF	LINEAR FOOT
LIN	LINEAL; LINEAR
LLBB	LONG LEGS BACK-TO-BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LT WT	LIGHTWEIGHT
LVL	LEVEL
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MC	MISCELLANEOUS CHANNEL SHAPE
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM; MINUTE
MISC	MISCELLANEOUS
(N)	NEW
NIC	NOT IN CONTRACT
NORM	NORMAL
NO or #	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
ORIG	ORIGINAL
OSB	ORIENTED STRAND BOARD
PARA OR //	PARALLEL
PC	PRECAST; PIECE
PERP	PERPENDICULAR
PI	PLWOOD INDEX
PL	PLATE
P	PROPERTY LINE
PLF	POUNDS PER LINEAL FOOT
PLCS	PLACES
PLY	PLYWOOD
PT	POST TENSIONED
PJP - PP	PARTIAL JOINT PENETRATION WELD
PREFAB	PREFABRICATED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
#	POUND; NUMBER
REF	REFERENCE
REINF	REINFORCE; REINFORCING
REQD	REQUIRED
RF	ROOF
SCHED	SCHEDULE
SECT	SECTION
SEP	SEPARATION
SHT	SHEET
SHTG	SHEATING
SIM	SIMILAR
SLBB	SHORT LEGS BACK-TO-BACK
SOG	SLAB ON GRADE
SN	SHEAR NAIL
SPCG	SPACING
SPECS	SPECIFICATIONS
SPCL	SPECIAL
SQ	SQUARE
SS	SELECT STRUCTURAL
STAGG	STAGGERED
STD	STANDARD
STIFF	STIFFENERS
STL	STEEL
STRUCT	STRUCTURAL
STRUCT I	STRUCTURAL I
SW	SHEAR WALL
SYM	SYMMETRICAL
TB	TIE BEAM
TEMP	TEMPERATURE; TEMPORARY
THK	THICKNESS/THICK
THRU	THROUGH
T.O.	TOP OF
TOC	TOP ON CONCRETE
TOF	TOP OF FOOTING
TOS	TOP OF STEEL
TOW	TOP OF WALL
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TSG	TAPERED STEEL GRIDER
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
UNO	UNLESS NOTED OTHERWISE
UT	ULTRA-SONIC TEST
VERT	VERTICAL
W/	WITH
W/O	WITHOUT
WD	WOOD
WP	WORK POINT; WATERPROOF
WT	WEIGHT; STRUCTURAL TEE SHAPE
WWF	WELDED WIRE FABRIC

STRUCTURAL STEEL SHAPES

WF	W SHAPE
C	AMERICAN STD CHANNEL SHAPE
MC	MISC CHANNEL SHAPE
L	ANGLE SHAPE
WT, ST, OR MT	STRUCTURAL TEE SHAPE
PIPE	STANDARD PIPE SHAPE
PIPE - X	EXTRA STRONG PIPE SHAPE
PIPE - XX	DBL EXTRA STRONG PIIPE SHAPE
HSS	STRUCT TUBING SHAPE

SYMBOLS



SECTION REFERENCE BUBBLE
DETAIL REFERENCE BUBBLE WITH ARROW
DETAIL REFERENCE BUBBLE
FULL HEIGHT SECTION INDICATOR
BUILDING SECTION INDICATOR
ELEVATION OF WALL OR FRAME
NORTH ARROW
SLOPE
EARTH LAYER
STEPPED SURFACE; FLOOR DEPRESSION
SLOPED SURFACE
INDICATES SAND OR GROUT
INDICATES GRAVEL
TOP OF SLAB ELEVATION
WELDED WIRE FABRIC (WWF LAYER)
FOOTING TYPE
INDICATES MASONRY WALLS
STEEL TUBE COLUMN
STEEL PIPE COLUMN
WIDE FLANGE STEEL COLUMN
MEMBER SPLICE
TOP OF STEEL + ELEVATION
NUMBER OF EVENLY SPACED SHEAR STUDS
SPECIAL STUD SPACING SEE TYPICAL STEEL DETAILS
BEAM CAMBER AT MID-SPAN
STEEL IN CROSS SECTION
DIRECTION OF SPAN
BEAM LATERAL BRACE
STEPPED FOOTING

SHEET INDEX

Sheet Number	Sheet Name
S0.00	SHEET INDEX, SYMBOLS & ABBREVIATIONS
S0.01	GENERAL NOTES
S0.02	GENERAL NOTES
S1.01	SITE PLAN
S1.02	BRIDGE PLANS
S1.03	RAMP PLANS
S2.01	ELEVATIONS
S3.01	SECTIONS
S4.01	CONCRETE DETAILS
S4.02	CONCRETE DETAILS
S5.01	STEEL DETAILS
S5.02	STEEL DETAILS

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SHEET INDEX, SYMBOLS & ABBREVIATIONS

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CONCRETE

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM WITH CHAPTER 19A OF THE CODE AND WITH THE PROVISIONS OF ACI 318-14 AND AASHTO LRFD SPECIFICATIONS, 2014.
2. REINFORCED CONCRETE WAS DESIGNED BY THE "ULTIMATE STRENGTH DESIGN METHOD".
3. CONCRETE MIXES SHALL BE DESIGNED BY AN APPROVED TESTING LABORATORY AND REVIEWED BY THE STRUCTURAL ENGINEER. THE COMPRESSIVE STRENGTH OF THE CONCRETE SHALL BE PROPORTIONED BASED ON SECTION 1905A OF THE CODE.
4. SCHEDULE OF STRUCTURAL CONCRETE 28-DAY STRENGTH AND TYPES (UNO):

LOCATION IN STRUCTURE	MIN STRENGTH (PSI)	MAX DENSITY (PCF)	MAX SLUMP (IN)	MAX WATER/CEMENT RATIO	MAX AGGREGATE SIZE (IN)
ALL CONCRETE FOOTINGS	4000	145	4 +/- 1"	0.55	1
SLAB ON GRADE, STAIRS ON GRADE, CURBS	4000	145	4 +/- 1"	0.48	3/4
STAIR PAN-FILL	2500	145	4 +/- 1"	0.48	3/8
CONCRETE OVER METAL DECK	3000	145	4 +/- 1"	0.45	3/4

5. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE II/V.
6. AGGREGATE FOR HARDROCK CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF ASTM C-33 AND PROJECT SPECIFICATIONS. EXCEPTIONS MAY BE USED ONLY WITH PERMISSION OF THE STRUCTURAL ENGINEER.
7. AGGREGATE FOR LIGHT WEIGHT (110PCF) CONCRETE SHALL BE EXPANDED CONFORMING TO ASTM C330 AND PROJECT SPECIFICATIONS. EXCEPTIONS MAY BE USED ONLY WITH PERMISSION OF THE STRUCTURAL ENGINEER.
8. CONCRETE MIXING OPERATION, ETC. SHALL CONFORM TO ASTM C-94.
9. PLACEMENT OF CONCRETE SHALL CONFORM TO CODE SECTION 1905A AND PROJECT SPECIFICATIONS. CLEAN AND ROUGHEN TO 1/4" AMPLITUDE ALL CONCRETE SURFACES AGAINST WHICH NEW CONCRETE IS TO BE PLACED.
10. ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
11. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT ANY REINFORCING WHICH MAY CONFLICT. CORING IN CONCRETE IS NOT PERMITTED. NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS. SEE THESE DRAWINGS FOR ADDITIONAL RESTRICTIONS ON THE PLACEMENT OF OPENINGS IN SLABS AND WALLS.
12. PIPES LARGER THAN 1-1/2" DIAMETER SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE EXCEPT WHERE SPECIFICALLY APPROVED BY STRUCTURAL ENGINEER. PIPES SHALL NOT DISPLACE OR INTERRUPT REINFORCING BARS, SPACE EMBEDDED PIPES AND SLEEVES AT A MINIMUM OF 3 DIAMETERS.

STEEL DECK

1. ROOF AND FLOOR DECKS SHALL BE AS NOTED ON THE DRAWINGS. MINIMUM DECK PROPERTIES ARE AS FOLLOWS USING VERCO DECKING, INC AS BASIS OF DESIGN:

DECK SIZE AND GAUGE	Ix (IN4/FT)	+Sx (IN3/FT)	-Sx (IN3/FT)
1 1/2" x 18 GA B TYPE (G90)	0.302	0.322	0.335

2. DECK SHOP DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION AND SHALL INDICATE STUD LAYOUT (WHERE APPLICABLE).
3. THE AMERICAN IRON AND STEEL INSTITUTE "SPECIFICATIONS FOR THE DESIGN OF LIGHT GAUGE STEEL STRUCTURAL MEMBERS" SHALL GOVERN THE DESIGN OF ALL DECK UNITS, STEEL DECK AND ALL OF ITS CLOSURES AND FLASHINGS SHALL CONFORM TO ASTM A653, GRADE B, Fy = 38,000 PSI MINIMUM.
4. ACCEPTABLE STEEL DECK MANUFACTURERS ARE AS FOLLOWS:

   VERCO DECKING, INC. (ICC ESR-1735P OR IAPMO UES-0217)
   ASC STEEL DECK (ICC ESR-1414)

5. UNITS SHALL BE CONTINUOUS OVER THREE OR MORE SPANS, EXCEPT WHERE THE FRAMING DOES NOT PERMIT. SHORING MAY BE REQUIRED AT NON-CONTINUOUS SPANS. DECK SHOP DRAWING SHALL INDICATE WHERE SHORING WILL BE REQUIRED. DECK SHALL BEAR A 2" MINIMUM AT ALL SUPPORTS.
6. ALL WELDING OF STEEL DECK SHALL BE DONE BY CERTIFIED LIGHT GAGE WELDERS IN ACCORDANCE WITH AWS "SPECIFICATIONS FOR WELDING SHEET STEEL IN STRUCTURES", AWS D1.3, LATEST EDITION. WELDER SHALL BE APPROVED BY DSA.
7. UNITS SHALL BE FASTENED TO THE STEEL SUPPORTS AT THE END OF THE UNITS AND AT INTERMEDIATE SUPPORTS AND TO THE STEEL SUPPORTS AT THE SIDE BOUNDARIES BY 3/4" DIAMETER PUDDLE WELDS AT 1'-0" OC MAXIMUM, UNLESS NOTED OTHERWISE.
8. THE SIDE LAPS OF ADJACENT UNITS SHALL BE FASTENED BETWEEN SUPPORTS BY BUTTON PUNCHING AT 24" OC (MAX), UNLESS NOTED OTHERWISE ON THE PLANS.
9. CONTRACTOR SHALL PROVIDE FLASHING AND CLOSURE PLATES AT ENDS OF ALL UNITS, AROUND COLUMNS, AND AT ALL PERIMETER LOCATIONS REQUIRING CONCRETE.
10. ALLOWABLE LOADS FOR DECK PER VERCO CATALOG (ICC ESR-1735P OR IAMPMO UES-0217).
11. ALL STEEL DECK TO RECEIVE CONCRETE FILL SHALL NOT BE OF THE VENTED TYPE.
12. ALL STEEL DECK TO BE G90 GALVANIZED.

BRIDGE CONNECTIONS

1. THE WEST ABUTMENT IS DESIGNED TO RESIST 100% OF THE BRIDGE EAST-WEST SEISMIC LOADS ADN 50% OF THE BRIDGE NORTH-SOUTH SEISMIC LOADS.
2. THE EAST ABUTMENT IS DESIGNED TO RESIST 50% OF THE BRIDGE NORTH-SOUTH SEISMIC LOADS. SLIP CONNECTIONS ALLOWING MOVEMENT IN THE EAST-WEST DIRECTION SHALL BE PROVIDED AT THE EAST ABUTMENT.

FOUNDATION

1. FOUNDATION DESIGN BASED ON "NEW PEDESTRIAN BRIDGE DESIGN RECOMMENDATIONS" BY MTGL, INC. (PROJECT NO. 1047D35, DATED OCTOBER 1, 2017)

REINFORCING STEEL

1. REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 19A OF THE CODE, ASTM A615, GRADE 60 UNO. DEFORMATIONS SHALL BE IN ACCORDANCE WITH ASTM A-305.
2. BARS SHALL BE CLEAN OF RUST, GREASE, OR OTHER MATERIALS LIKELY TO IMPAIR BOND. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. PROVIDE LAPS AS PER ACI 318-14 SECTION 25.5, 8" MINIMUM. WWF SHALL BE SUPPORTED ON APPROVED CHAIRS.
4. REINFORCING BAR SPLICES SHALL BE MADE AS INDICATED ON THE DRAWINGS. MINIMUM SPLICE LENGTH FOR REINFORCING STEEL BARS IN MASONRY SHALL BE 48 BAR DIAMETERS, 24" MINIMUM. MINIMUM SPLICE LENGTH FOR REINFORCING STEEL BARS IN CONCRETE SHALL BE PER ACI 318-14 CHAPTER 25. LAP ALL HORIZONTAL BARS AT CORNERS AND INTERSECTIONS.
5. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION IS MADE.
6. WHERE WELDING OF REINFORCING IS APPROVED BY THE STRUCTURAL ENGINEER, IT SHALL BE DONE BY AWS CERTIFIED WELDERS USING E90XX OR APPROVED ELECTRODES. WELDING PROCEDURES SHALL CONFORM TO THE REQUIREMENTS OF STRUCTURAL WELDING CODE- REINFORCING STEEL", AWS-D1.4, LATEST REVISION. REINFORCING BARS TO BE WELDED SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-706.
7. BARS IN SLABS SHALL BE SECURELY SUPPORTED ON WELL-CURED CONCRETE BLOCKS OR APPROVED METAL CHAIRS, PRIOR TO PLACING CONCRETE.
8. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", LATEST EDITION.
9. COMPLETE AND DETAILED REINFORCING PLACEMENT DRAWINGS SHALL BE PREPARED AND SUBMITTED TO THE ARCHITECT FOR REVIEW BY THE STRUCTURAL ENGINEER PRIOR TO FABRICATION IN ACCORDANCE WITH THE SPECIFICATIONS AND APPLICABLE CODES. THESE DRAWINGS SHALL BE AVAILABLE ON THE JOB SITE PRIOR TO PLACING OF CONCRETE.
10. MILL TEST REPORTS FOR GRADE 60 BARS SHALL BE SUBMITTED PRIOR TO PLACEMENT OF CONCRETE.
11. CONTINUOUS INSPECTION OF CONCRETE SHALL INCLUDE INSPECTION DURING INSTALLATION OF REINFORCING STEEL. INSPECTION SHALL BE SCHEDULED SO THAT PLACEMENT OF REINFORCING STEEL, CONDUIT, SLEEVES, AND EMBEDDED ITEMS MAY BE CORRECTED PRIOR TO PLACEMENT OF OVERLYING GRIDS OR REINFORCING STEEL.
12. ALL GRADE 60 REINFORCING STEEL SHALL BE CLEARLY MARKED TO DIFFERENTIATE THEM FROM GRADE 40 REINFORCING STEEL IF CONCURRENTLY ON SITE.
13. CONCRETE PROTECTION FOR REINFORCEMENT

    THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:

	MINIMUM COVER, IN.
A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3
B, CONCRETE EXPOSED TO EARTH OR WEATHER:	
NO. 6 THROUGH NO. 18 BAR	2
NO 5 BAR, W31 OR D31 WIRE & SMALLER	1 1/2
C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:	
SLABS, WALLS, JOISTS:	
NO. 14 AND NO. 18 BAR	1 1/2
NO. 11 BAR & SMALLER	1
BEAMS, COLUMNS:	
PRIMARY REINFORCEMENT TIES, STIRRUPS, SPIRALS	1 1/2

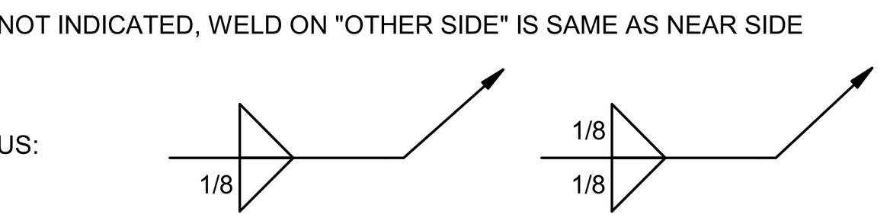
STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS (LATEST EDITION), AND WITH CHAPTER 22A OF THE CODE.
2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATION AS INDICATED BELOW (UNO):

ALL W SHAPES & WT SHAPES	A572 OR A992, GRADE 50
PLATES	A-36 OR A572 GRADE 50
HOLLOW CIRCULAR SECTIONS	A-500, GRADE B, Fy = 42 ksi
HOLLOW RECTANGULAR SECTIONS	A-500, GRADE B, Fy = 46 ksi
PIPE COLUMN	A-53, GRADE B
HIGH STRENGTH BOLTS (TYP FOR CONNECTIONS, UNO)	A-325, A490
BOLTS IN CONCRETE	A-307 UNO
ANCHOR BOLTS AND RODS	F1554 GR-36 (COMPLYING WITH WELDABILITY SUPPLEMENT), A-36
ANGLES, CHANNELS	A-36

3. THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS TO THE ARCHITECT OF ALL STEEL FOR ARCHITECTS AND STRUCTURAL ENGINEERS REVIEW BEFORE FABRICATION.
4. BOLT HOLES USED IN STEEL SHALL BE 1/16" LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLT USED, EXCEPT AS NOTED.
5. ALL STRUCTURAL STEEL SURFACES THAT ARE ENCASED IN CONCRETE, OR MASONRY OR SPRAY ON FIREPROOFING SHALL BE LEFT UNPAINTED.
6. ALL WELDING IS TO BE DONE BY CERTIFIED WELDERS USING E70XX ELECTRODES (UNO). ALL WELDS SHALL BE IN CONFORMITY WITH THE PROJECT SPECIFICATIONS AND THE CODE FOR WELDING IN BUILDING CONSTRUCTION (AWS D1.1 LATEST REVISION) OF THE AMERICAN WELDING SOCIETY. SEE SPECIAL INSPECTIONS SECTION FOR WELDING INSPECTION REQUIREMENTS.
7. WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM SIZE WELDS AS SPECIFIED IN AISC MANUAL OF STEEL CONSTRUCTION 13TH EDITION, SECTION J2.2b.
8. ALL STRUCTURAL STEEL AND MISCELLANEOUS METAL EXPOSED TO WEATHER SHALL BE FABRICATED, TRANSPORTED, ERECTED, CONNECTED, AND FINISHED AS "ARCHITECTURALLY EXPOSED STRUCTURAL STEEL" (AESS) AS DEFINED IN THE AISC 303-05 CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES. REFER TO SECTION 099713 OF SPECIFICATION FOR COATING AND PAINTING. PROTECT FIELD WELDS EXPOSED TO THE WEATHER VIA PRIME AND PAINT OR BRUSH COLD GALVANIZING.
9. THE USE OF E70T-4 WELDING WIRE IS NOT ALLOWED FOR ANY APPLICATION. ALL WELD FILLER METAL SHALL BE OF THE LOW HYDROGEN TYPE AND SHALL HAVE A MINIMUM CHARPY V-NOTCH (CVN) VALUE OF 20 FT-LBS AT A TEMPERATURE OF (-) 20 F.
10. FOR ALL STRUCTURAL STEEL THAT IS TO REMAIN EXPOSED AND VISIBLE PER THE ARCHITECTURAL DRAWINGS, CONTRACTOR SHALL GRIND SMOOTH ALL EXPOSED WELDS AND SHALL COMPLY WITH THE SPECIFICATIONS FOR (AESS) ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FOUND IN THE AISC CODE OF STANDARD PRACTICE.
11. WRITTEN WELDING PROCEDURE SPECIFICATIONS (WPS) PER THE RECOMMENDATIONS OF THE AMERICAN WELDING SOCIETY (AWS) SHALL BE DEVELOPED BY THE FABRICATOR/ERECTOR AND SUBMITTED FOR REVIEW TO THE ENGINEER PRIOR TO ANY WELDING OF THE STRUCTURAL STEEL. THE WELDING PROCEDURES SHALL INCLUDE ALL THE WELDED JOINTS AND CONFIGURATIONS TO BE SUBMITTED. ALL WELDED JOINTS SHALL BE PREQUALIFIED PER AWS OR BE QUALIFIED BY TEST PER AWS. A PROCEDURE QUALIFICATION RECORD (PQR) SHALL BE INCLUDED WITH THE WPS IF THE WELDING PROCEDURE OR JOINT IS QUALIFIED BY TESTING. THE ELECTRODE MANUFACTURER AND PRODUCT/TRADE NAME SHALL BE IDENTIFIED IN THE WPS IN ADDITION TO THE AWS ELECTRODE CLASSIFICATION NAME. A COPY OF THE ELECTRODE MANUFACTURER'S TECHNICAL DATA SHEETS WITH THE RECOMMENDED WELDING PARAMETERS SHALL BE SUBMITTED WITH THE WPS.
12. 100 PERCENT ULTRASONIC TESTING IS REQUIRED FOR ALL FULL JOINT PENETRATION GROOVE WELDS.
13. IF INTERMIXING OF WELD FILLER MATERIAL IS REQUIRED AT SPECIFIC WELDED JOINTS, SUBMIT WELDING PROCEDURE SPECIFICATION (WPS) AND QUALIFY BY TESTING.
14. BACKUP BARS MAY REMAIN IN PLACE UNLESS NOTED ON PLANS, OR WHEN ULTRASONIC TEST INDICATES A POSSIBLE WELD DEFECT. IF DEFECTS ARE INDICATED BACKUP BAR IS TO BE REMOVED AND THE ROOT INSPECTED. IF IMPERFECTIONS ARE FOUND, THEY ARE TO BE REMOVED BY BACKGOUGING TO SOUND MATERIAL. CLEAN AND REPAIR WELD TO ORIGINAL SIZE PER AWS.
15. IF NOT INDICATED, WELD ON "OTHER SIDE" IS SAME AS NEAR SIDE

THUS:



GENERAL

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
2. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
3. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
4. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING:
   - -2016 CALIFORNIA BUILDING CODE, VOLUME 2A, REFERRED TO HERE AS "THE CODE", AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER WHICH ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES & STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
   - -2014 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS
   - -2009 AASHTO LRFD GUIDE SPECIFICATION FOR THE DESIGN OF PEDESTRIAN BRIDGES.
   - -2013 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARES AND TRAFFIC SIGNALS
5. SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
   a. SIZE AND LOCATION OF ALL CONCRETE CURBS, PITS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGE IN LEVEL, ETC.
   b. SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS EXCEPT AS SHOWN.
   c. FLOOR FINISHES.
   d. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
6. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:
   a. PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL AND SLAB OPENINGS, ETC., EXCEPT AS SHOWN OR NOTED.
   b. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
   c. CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL OR PLUMBING FIXTURES.
   d. SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES, ANCHOR BOLTS FOR MOTOR MOUNTS.
7. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
8. OPENINGS, POCKETS, ETC., LARGER THAN 6" SHALL NOT BE PLACED IN CONCRETE SLABS, DECKS, WALLS, UNLESS SPECIALLY DETAILED ON THE STRUCTURAL DRAWINGS. NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., LARGER THAN 6" NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN STRUCTURAL MEMBERS. FOR ANY FURTHER RESTRICTIONS ON OPENINGS IN STRUCTURAL ELEMENTS, SEE APPLICABLE SECTIONS BELOW.
9. PIPES LARGER THAN 1-1/2" DIAMETER SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE EXCEPT WHERE SPECIFICALLY APPROVED.
10. ASTM SPECIFICATIONS ON THE DRAWINGS SHALL BE OF THE LATEST REVISION.
11. CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, STRUCTURAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
12. CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON FRAMED ROOF OR FLOOR. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.
13. CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON FRAMED ROOF OR FLOOR. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH. THE CONTRACTOR SHALL VERIFY THE EXTENT AND LOCATIONS OF SITE UTILITIES PRIOR TO EXCAVATIONS OR SHORING. SINCE THE SURVEY WAS BASED PRIMARILY ON PUBLIC RECORDS, THERE MAY BE DISCREPANCIES BETWEEN THE LOCATION INDICATED ON THE SITE SURVEY AND ACTUAL VERIFIED LOCATIONS. IF THE ACTUAL FIELD VERIFIED LOCATION OF UTILITIES COULD RESULT IN A CONFLICT WITH THE SHORING, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
14. HEAVY EQUIPMENT, CRANES AND MATERIAL STOCKPILES SHALL NOT BE LOCATED ON OR ADJACENT TO SHORING OR RETAINING WALLS UNLESS ACCEPTED BY THE STRUCTURAL ENGINEER. ACCEPTANCE SHALL BE BASED ON ANALYSIS AND EVALUATION PERFORMED BY THE CONTRACTOR AND REVIEWED BY THE SEOR.
15. CONTRACTOR SHALL COORDINATE SHORING WITH DRAWINGS OF RECORD TO INSURE PROVISIONS FOR POCKETS, BLOWOUTS, OFFSETS, STEPPED FOOTINGS AND ANY OTHER ITEMS AFFECTED BY THE SHORING.
16. AN UNDERGROUND SERVICE ALERT INQUIRY IDENTIFICATION NUMBER MUST BE OBTAINED AT LEAST TWO WORKING DAYS BEFORE STARTING WORK WITH THIS PERMIT. TELEPHONE NO. 1-800-422-4133.
17. STOCK PILING OR STORAGE OF MATERIAL ON OR NEAR SHORING BULKHEAD IS NOT PERMITTED.
18. SEE ARCHITECTURAL DRAWINGS FOR ALL DRAINAGE AND WATERPROOFING.
19. EDGE OF SLAB DIMENSIONS TO BE COORDINATED AND VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO FABRICATION.
20. SEE CIVIL DRAWINGS FOR FINISHED GRADE, SITE PAVING AND ELEVATIONS.

DESIGN LOADS

1. LIVE LOADS
   - PEDESTRIAN = 90 PSF
2. WIND LOADS

   HORIZONTAL WIND LOAD
   - PER 2013 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS SECTION 3.8.
   - BASIC WIND SPEED = 85 MPH AT A 3-SEC GUST
   - EXPOSURE C
   - I_R = 1.15

   VERTICAL WIND LOAD
   - PER AASHTO LRFD 2007 SECTION 3.8.2.
   - P_V = 20 PSF
3. SEISMIC DESIGN PARAMETERS

   SEISMIC LOADING IN ACCORDANCE WITH AASHTO LRFD SPECIFICATIONS, 2014.

   S_S = 1.91g
   S_1 = 0.656g
   Fa = 1.0
   Fv = 1.5
   S_{DS} = 1.91g
   S_{D1} = 0.984g
   PGA = 0.808g
   R = 3.0 VERTICAL PILES
   R = 0.8 SUPERSTRUCTURE TO ABUTMENT CONNECTION
   Cs = 0.64 VERTICAL PILES
   Cs = 2.39 SUPERSTRUCTURE TO ABUTMENT CONNECTION

   OPERATIONAL CLASSIFICATION: OTHER BRIDGES

   SITE CLASS: D
   SEISMIC PERFORMANCE ZONE: 4

   SEISMIC LOADING IN ACCORDANCE WITH SECTION 1613 THE CODE UTILIZING THE EQUIVALENT LATERAL ANALYSIS PROCEDURE PER ASCE 7-10.

   SITE CLASS = D
   S_S = 2.848g
   S_1 = 0.992g
   F_a = 1.0
   F_v = 1.5
   S_{DS} = 1.899g
   S_{D1} = 0.992g

   RISK CATEGORY II

   SEISMIC COEFFICIENTS FOR STEEL TRUSSES PER ASCE 7-10, CHAPTER 15

   IMPORTANCE FACTOR, I 1.0
   RESPONSE MODIFICATION FACTOR, R = 3.0
   SYSTEM OVERSTRENGTH FACTOR, = 1.5
   DEFLECTION AMPLIFICATION FACTOR, = 3.0
   SEISMIC DESIGN CATEGORY = E
   SEISMIC RESPONSE COEFFICIENT, CS = 0.633
4. LOAD COMBINATIONS IN ACCORDANCE WITH AASHTO LRFD SPECIFICATION, 2014

	DC	PL	WS	DC
STRENGTH I	1.25	1.75	-	-
STRENGTH III	1.25	-	1.00	-
SERVICE I	1.00	1.00	1.00	-
EXTREME EVENT I	1.00	0.50	-	1.00

REVISIONS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-119567 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2020

100% CONSTRUCTION DOCUMENTS - 11.21.
DSA CORRECTIONS - 07.26.2019
DSA RE-SUBMITTAL - 07.21.2020
DSA BACHCHECK - 08.14.2020

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DRAWN	Author
CHECKED	Checker
DATE	07-21-2020

GENERAL NOTES

S0.01

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TABLE 1 (CONT.) - REQUIRED SPECIAL INSPECTIONS

SYSTEM OR MATERIAL	INSPECTION			REMARKS
	INSPECTION TYPE	CODE REFERENCE	REFERENCED STANDARDS	
STEEL DECK				
INSPECTION TASKS PRIOR TO DECK PLACEMENT				
1. VERIFY COMPLIANCE OF MATERIALS (DECK AND DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS	PERFORM	1705.2.2		
2. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	PERFORM			
INSPECTION TASKS AFTER TO DECK PLACEMENT				
1. VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTUCTION DOCUMENTS	PERFORM	1705.2.2		
2. VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMLY WITH THE CONSTRUCTION DOCUMENTS	PERFORM			
3. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	PERFORM			
INSPECTION TASKS PRIOR TO WELDING				
1. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	OBSERVE	1705.2.2		
2. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	OBSERVE			
3. MATERIAL IDENTIFICATION (TYPE/GRADE)	OBSERVE			
4. CHECK WELDING EQUIPMENT	OBSERVE			
INSPECTION TASKS DURING WELDING				
1. USE OF QUALIFIED WELDERS	OBSERVE	1705.2.2		
2. CONTROL AND HANDLING OF WELDING CONSUMABLES	OBSERVE			
3. ENVIRONMENTAL CONDITIONS	OBSERVE			
4. WPS FOLLOWED	OBSERVE			
INSPECTION TASKS AFTER WELDING				
1. VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS	PERFORM	1705.2.2		
2. WELDS MEET VISUAL ACCEPTANCE CRITERIA	PERFORM			
3. VERIFY REPAIR ACTIVITIES	PERFORM			
4. DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	PERFORM			
INSPECTION TASKS PRIOR TO MECHANICAL FASTENING				
1. MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	OBSERVE	1705.2.2		
2. PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION	OBSERVE			
3. PROPER STORAGE FOR MECHANICAL FASTENERS	OBSERVE			
INSPECTION TASKS DURING MECHANICAL FASTENING				
1. FASTENERS ARE POSITIONED AS REQUIRED	OBSERVE	1705.2.2		
2. FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS	OBSERVE			
INSPECTION TASKS AFTER MECHANICAL FASTENING				
1. CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS	PERFORM	1705.2.2		
2. CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS	PERFORM			
3. CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS	PERFORM			
4. VERIFY REPAIR ACTIVITIES	PERFORM			
5. DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS	PERFORM			

SPECIAL INSPECTION NOTES:

1. OWNER WILL RETAIN A QUALIFIED, INDEPENDENT SPECIAL INSPECTION AGENCY TO PERFORM SPECIAL INSPECTIONS AND TESTS PER CHAPTER 17 OF THE CODE. REFER TO THE TABLES 1 AND 2 FOR TESTS AND INSPECTIONS THAT WILL BE PERFORMED.
2. THE SPECIAL INSPECTOR WILL OBSERVE THE INDICATED WORK FOR COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. ALL NON-CONFORMING WORK WILL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION AND NOTED IN THE INSPECTION REPORTS.
3. TESTING FREQUENCIES IDENTIFIED IN THE STATEMENT OF SPECIAL INSPECTION ARE DEFINED AS FOLLOWS:
   - A. CONTINUOUS: THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.
   - B. PERIODIC: THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK.
   - C. OBSERVE: THE SPECIAL INSPECTOR WILL OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
   - D. PERFORM: THE SPECIAL INSPECTOR WILL PERFORM THESE TASKS FOR EACH ELEMENT.
   - E. DOCUMENT: THE SPECIAL INSPECTOR WILL DOCUMENT IN A REPORT THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
4. SEE SECTION 17A OF 2016 CBC AND DSA-103 FOR ADDITIONAL SPECIAL INSPECTION REQUIREMENTS

SPECIAL INSPECTION FOR FABRICATED ITEMS:

1. SPECIAL INSPECTION IS REQUIRED FOR STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES FABRICATED ON THE PREMISES OF A FABRICATOR'S SHOP AS REQUIRED IN THE SPECIAL INSPECTION PROGRAM. THE SPECIAL INSPECTOR SHALL VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES AND SHALL REVIEW FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE REQUIREMENT EXCEPT AS NOTED BELOW.
2. SPECIAL INSPECTIONS OF FABRICATED ITEMS ARE NOT REQUIRED WHERE THE FABRICATOR IS REGISTERED AND APPROVED IN ACCORDANCE WITH SECTION 1704.2.5.1 OF THE CODE.

DEFERRED SUBMITTALS:

1. SPECIAL INSPECTION REQUIREMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SPECIFIED BY THE SYSTEMS ENGINEER AND INCLUDED WITH DEFERRED SUBMITTAL DOCUMENTS.

CONTRACTOR RESPONSIBILITY:

1. THE CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF THE MAIN WIND/SEISMIC FORCE RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM, OR A WIND/SEISMIC FORCE RESISTING COMPONENT LISTED IN TABLE 1 SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:
   - A. ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS.
   - B. ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
   - C. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION INCLUDING THE METHOD AND FREQUENCY OF REPORTING AND DISTRIBUTION OF THE REPORTS.
   - D. IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

TABLE 1 (CONT.) - REQUIRED SPECIAL INSPECTIONS

SYSTEM OR MATERIAL	INSPECTION			REMARKS
	INSPECTION TYPE	CODE REFERENCE	REFERENCED STANDARDS	
STEEL				
INSPECTION TASKS PRIOR TO WELDING				
1. WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE	PERFORM	1705.2.1	AISC 360, TABLE N5.4-1 AISC 341, TABLE J6-1	
2. MANUFACTURER CERTIFICATION FOR WELDING CONSUMABLES AVAILABLE	PERFORM			
3. MATERIAL IDENTIFICATION (TYPE/GRADE)	OBSERVE			
4. WELDER IDENTIFICATION SYSTEM	OBSERVE			
5. FIT-UP GROOVE WELDS (INCLUDING JOINT GEOMETRY)	OBSERVE			VERIFY JOINT PREPARATION, DIMENSIONS, CLEANLINESS, TACK WELD QUALITY, BACKING TYPE AND FIT
6. CONFIGURATION AND FINISH OF ACCESS HOLE	OBSERVE			
7. FIT-UP OF FILLET WELDS	OBSERVE			VERIFY ALIGNMENT, GAPS AT ROOT, CLEANLINESS OF STEEL SURFACES, AND QUALITY OF TACK WELD
8. CHECK WELDING EQUIPMENT	OBSERVE			
INSPECTION TASKS DURING WELDING				
1. USE OF QUALIFIED WELDERS	OBSERVE	1705.2.1	AISC 360, TABLE N5.4-2 AISC 341, TABLE J6-2	
2. CONTROL AND HANDLING OF WELDING CONSUMABLES	OBSERVE			VERIFY PACKAGING AND EXPOSURE CONTROL
3. NO WELDING OVER TACK WELDS	OBSERVE			
4. ENVIRONMENTAL CONDITIONS	OBSERVE			VERIFY WIND SPEED IS WITHIN LIMITS AS WELL AS PRECIPITATION AND TEMPERATURE
5. WELDING PROCEDURE SPECIFICATION (WPS) FOLLOWED	OBSERVE			VERIFY SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, SELECTED WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED, AND PROPER POSITION (F, V, H, OH)
6. WELDING TECHNIQUES	OBSERVE			VERIFY INTERPASS AND FINAL CLEANING, PROFILE LIMITATIONS AND QUALITY OF EACH PASS
INSPECTION TASKS AFTER WELDING				
1. WELDS CLEANED	OBSERVE	1705.2.1	AISC 360, TABLE N5.4-3 AISC 341, TABLE J6-3	
2. SIZE, LENGTH, AND LOCATION OF WELDS	PERFORM			
3. WELDS MEET VISUAL ACCEPTANCE CRITERIA	PERFORM			VERIFY CRACK PROHIBITION, WELD/BASE-METAL FUSION, CRATER CROSS SECTION, WELD PROFILES AND SIZE, UNDERCUT, AND POROSITY. DOCUMENT FINDINGS IN REPORT.
4. ARC STRIKES	PERFORM			
5. K-AREA	PERFORM			VISUALLY INSPECT WEB IN K-AREA FOR CRACKS WITHIN 3" OF WELD WHERE WELDS ARE PROVIDED IN THE K-AREA.
6. BACKING REMOVED AND WELD TABS REMOVED WHERE REQUIRED	PERFORM			
7. PLACEMENT OF REINFORCING OR CONTOURING FILLET WELDS WHERE REQUIRED	PERFORM			
8. REPAIR ACTIVITIES	PERFORM			
9. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	PERFORM			
INSPECTION TASKS PRIOR TO BOLTING				
1. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	PERFORM	1705.2.1	AISC 360, TABLE N5.6-1 AISC 341, TABLE J7-1	
2. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	OBSERVE			
3. PROPER FASTENER SELECTED FOR THE JOINT DETAIL.	OBSERVE			VERIFY GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE.
4. PROPER BOLTING PROCEDURE SELECTED FOR THE JOINT DETAIL	OBSERVE			
5. CONNECTING ELEMENTS MEET APPLICABLE REQUIREMENTS	OBSERVE			VERIFY FAYING SURFACE CONDITION AND HOLD PREPARATION
6. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLING PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED.	OBSERVE			
7. PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENT	OBSERVE			
INSPECTION TASKS DURING BOLTING				
1. FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS ARE POSITIONED AS REQUIRED	OBSERVE	1705.2.1	AISC 360, TABLE N5.6-2 AISC 341, TABLE J7-2	
2. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO PRETENSIONING OPERATION.	OBSERVE			
3. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING.	OBSERVE			
4. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT FORWARD TOWARD THE FREE EDGES	OBSERVE			
INSPECTION TASKS AFTER BOLTING				
1. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS.	PERFORM		AISC 360, TABLE N5.6-3 AISC 341, TABLE J7-3	
INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION				
1. PLACEMENT AND INSTALLATION OF STEEL DECK	PERFORM	1705.2.1	AISC 360, TABLE N6.1	
2. PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	PERFORM			
3. DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS	PERFORM			
4. REINFORCING STEEL	OBSERVE		AISC 341, TABLES J91-1 - J9-3	VERIFY REINFORCEMENT TYPE AND GRADE, SIZE, SPACING, AND ORIENTATION; THAT IT HAS NOT BEEN RE-BENT IN THE FIELD; THAT IT IS CORRECTLY TIED AND SUPPORTED; AND THAT REQUIRED STEEL CLEARANCES HAVE BEEN PROVIDED.
5. COMPOSITE MEMBER SIZE	OBSERVE			
6. CONCRETE: MATERIAL IDENTIFICATION	OBSERVE			VERIFY MIX DESIGN, COMPRESSIVE STRENGTH, MAXIMUM LARGE AGGREGATE SIZE, AND SLUMP. DOCUMENT ACCEPTANCE OR REJECTION
7. LIMITS ON WATER ADDED TO THE TRUCK OR PUMP	OBSERVE			DOCUMENT ACCEPTANCE OR REJECTION
8. PROPER PLACEMENT TECHNIQUES TO LIMIT SEGREGATION	OBSERVE			
9. ACHIEVEMTN OF MINIMUM SPECIFIED COMPRESSIVE STRENGTH AT SPECIFIED AGE	OBSERVE			DOCUMENT ACCEPTANCE OR REJECTION
OTHER INSPECTION TASKS				
1. REDUCED BEAM SECTION (RBS) REQUIREMENTS	PERFORM		AISC 341, TABLE J8-1	INSPECT CONTOUR, FINISH, AND DIMENSIONAL TOLERANCES DOCUMENT ACCEPTANCE OR REJECTION
2. SEISMIC FORCE RESISTING SYSTEM PROTECTED ZONE	PERFORM			VERIFY NO HOLES OR UNAPPROVED ATTACHMENTS MADE IN THE PROTECTED ZONE. DOCUMENT ACCEPTANCE OR REJECTION
3. H-PILES PROTECTED ZONE	PERFORM		AISC 341, TABLE J10-1	

SPECIAL INSPECTIONS AND TESTING

TABLE 1 - REQURIED SPECIAL INSPECTIONS

SYSTEM OR MATERIAL	INSPECTION			REMARKS
	INSPECTION TYPE	CODE REFERENCE	REFERENCED STANDARDS	
SOILS				
1. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	PERIODIC	1705.6	GEOTECHNICAL REPORT	BY THE GEOTECHNICAL ENGINEER
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	PERIODIC			
3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS	PERIODIC			
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL	CONTINUOUS			
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	PERIODIC			
DRIVEN DEEP FOUNDATION ELEMENTS				
1. VERIFY ELEMENT MATERIAL, SIZES, AND LENGTHS COMPLY WITH THE REQUIREMENTS	CONTINUOUS	1705.7	GEOTECHNICAL REPORT	BY THE GEOTECHNICAL ENGINEER: SPECIAL INSPECTIONS APPLY TO PILE TYPE AND SIZE, CAPACITY OF TEST PILES, CONDUCT LOAD TESTS (IF REQUIRED), RECORD BLOW COUNT PER FOOT OF PENETRATION AND TIP/CUTOFF ELEVATIONS (IF APPLICABLE), DOCUMENT ANY PILE DAMAGE
2. DETERMINE CAPACITIES OF TEST ELEMENTS AND CONDUCT ADDITIONAL TESTS, AS REQUIRED	CONTINUOUS			
3. INSPECT DRIVING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.	CONTINUOUS			
4. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM PIER DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END BEARING STRATA CAPACITY. RECORD CONCRETE OR GROUT VOLUMES	CONTINUOUS			
5. FOR STEEL ELEMENTS, PERFORM ADDITIONAL SPECIAL INSPECTIONS IN ACCORDANCE WITH 1705.2		1705.2		SEE REQURIED STEEL SPECIAL INSECTIONS AND TESTS IN TABLES 1 AND 2
6. FOR CONCRETE ELEMENTS AND CONCRETE-FILLED ELEMENTS, PERFORM TESTS AND ADDITIONAL SPECIAL INSPECTIONS IN ACCORDANCE WITH 1705.3		1705.3		SEE REQURIED CONCRETE SPECIAL INSECTIONS AND TESTS IN TABLES 1 AND 2
7. FOR SPECIALTY PILES, PERFORM ADDITIONAL INSPECTIONS AS DETERMINED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE				DEFERRED SUBMITTAL TO SPECIFY REQUIRED INSPECTIONS FOR SPECIALTY PILES
CAST-IN-PLACE DEEP FOUNDATION ELEMENTS				
1. INSPECT DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.	CONTINUOUS	1705.8	GEOTECHNICAL REPORT	BY GEOTECHNICAL ENGINEER
2. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM ELEMENT DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE), AND ADEQUATE END-BEARING STRATA CAPACITY. RECORD CONCRETE OR GROUT VOLUMES.	CONTINUOUS			
3. FOR CONCRETE ELEMENTS, PERFORM TESTS AND ADDITIONAL SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTIONS 1705.3.		1705.3		SEE REQURIED CONCRETE SPECIAL INSECTIONS AND TESTS IN TABLES 1 AND 2
CONCRETE				
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS AND VERIFY PLACEMENT	PERIODIC	1705.3 1908.4	ACI 318 CHAPTER 20 ACI 318 25.2 - 25.3 ACI 318 26.6.1 - 26.6.3	TOLERANCE AND REINFORCING PLACEMENT PER ACI 318, SECTION 26.6.2
2. ~~REINFORCING BAR WELDING~~		1705.3.1	ACI 318 26.6.4 AWS D1.4, SECTION 7	VISUALLY INSPECT ALL WELDS. MATERIAL VERIFICATION OF REINFORCING STEEL FOR WELDING (CERTIFIED MILL TEST REPORTS), VERIFICATION OF WELD FILLER METALS, USE OF PROPER WPS'S AND WELDER QUALIFICATIONS
A. ~~VERIFY WELDABILITY OF REINFORCING BARS~~ OTHER THAN ASTM A706	CONTINUOUS			
B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"	CONTINUOUS			
C. INSPECT ALL OTHER WELDS	PERIODIC			
3. INSPECT ANCHORS CAST IN CONCRETE	PERIODIC		ACI 318 17.8.2	
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.				INSPECTION REQUIREMENTS PER ICC EVALUATION REPORT. VERIFY THAT ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATION ARE INSTALLED BY CERTIFIED INSTALLERS.
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATION TO RESIST SUSTAINED TENSION LOADS.	CONTINUOUS		ACI 318 17.8.2.4	
B. MECHANICAL ANCHORS AND ADHESIVE NOT DEFINED IN 4A.	PERIODIC		ACI 318 17.8.2	
5. VERIFY USE OF REQUIRED DESIGN MIX	PERIODIC	1904.1, 1904.2, 1908.2, 1908.3	ACI 318 CH 19, 24.4.3, 26.4.4	VERIFY THAT ALL MIXES USED COMPLY WITH APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED CODES AND STANDARDS
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TEST, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE TEMPERATURE OF CONCRETE.	CONTINUOUS	1908.10	ASTM C172 ASTM C31 ACI 318 26.4, 26.12	
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS	1904.6, 1908.7, 1908.8	ACI 318 26.5	
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	1908.9	ACI 318 26.5.3 - 26.5.5	
9. INSPECT PRESTRESSED CONCRETE FOR:			ACI 318 26.10	
A. APPLICATION OF PRESTRESSING FORCES; AND	CONTINUOUS			
B. GROUTING OF BONDED PRESTRESSING TENDONS.	CONTINUOUS			
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	PERIODIC		ACI 318 26.8	
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	PERIODIC		ACI 318 26.11.2	
12. INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF CONCRETE MEMBER BEING FORMED.	PERIODIC		ACI 318 26.11.1.2(b)	
13. INSPECT INSTALLATION OF MECHANICAL COUPLING DEVICES.	CONTINUOUS		ICC EVALUATION REPORT	VERIFY GRADE AND SIZE OF REBAR BEING SPLICED, COUPLER IDENTIFICATION AND POSITION, AND INSTALLATION OF COUPLER

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GENERAL NOTES

S0.02

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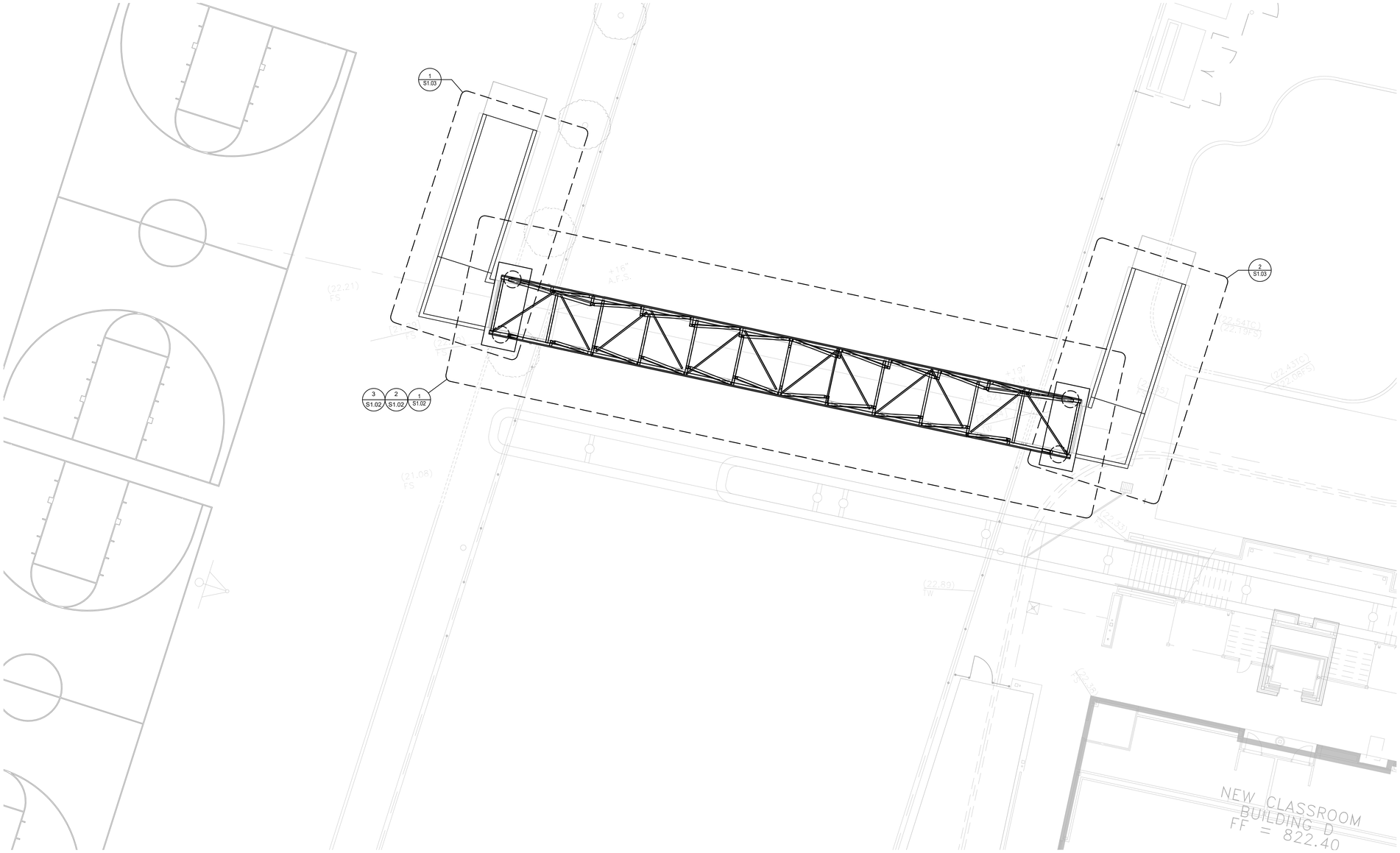

1 SITE PLAN
SCALE : 1/8" = 1'-0"

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SITE PLAN

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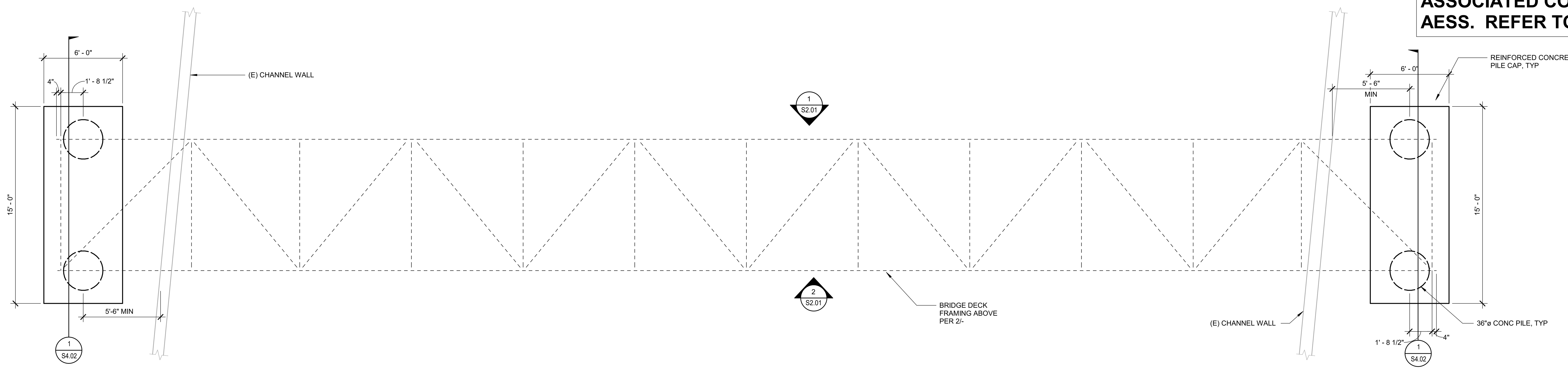
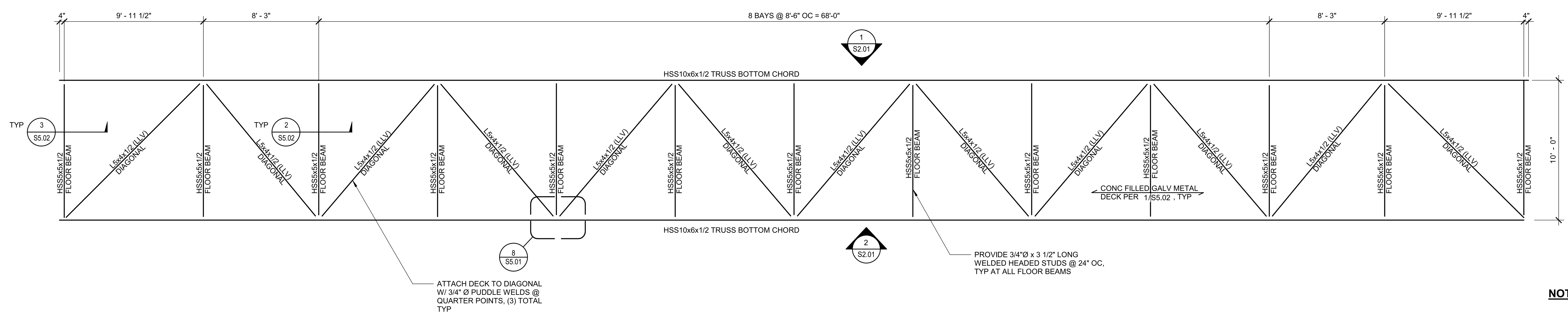
ALL BRIDGE STRUCTURAL STEEL AND ASSOCIATED CONNECTIONS SHALL BE AESS. REFER TO SPECIFICATIONS.



1 BRIDGE FOUNDATION PLAN

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

ALL BRIDGE STRUCTURAL STEEL AND ASSOCIATED CONNECTIONS SHALL BE AESS. REFER TO SPECIFICATIONS.



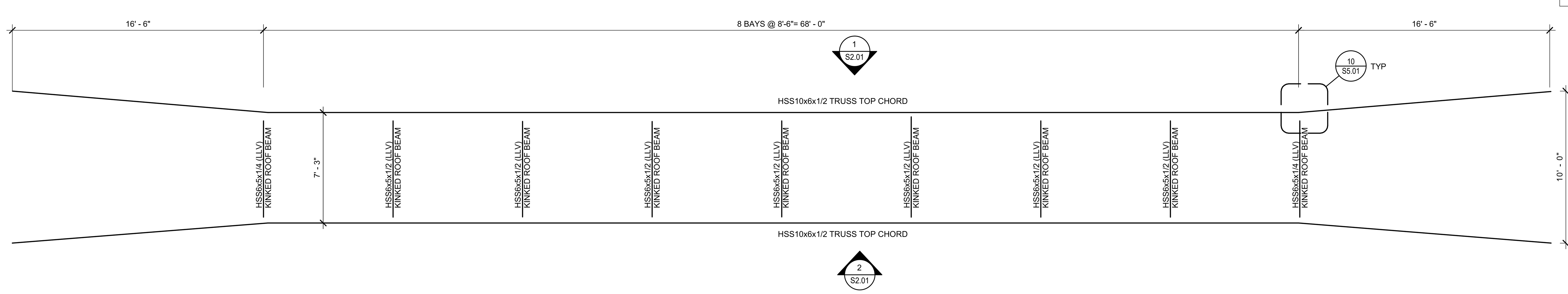
NOTES:

1. ALL BRIDGE STRUCTURAL STEEL MEMBERS AND CONNECTIONS SHALL BE HOT DIPPED GALVANIZED
2. ALL DIMENSIONS ARE TO MEMBER CENTERLINES U.N.O.

2 BRIDGE DECK FRAMING PLAN

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

ALL BRIDGE STRUCTURAL STEEL AND ASSOCIATED CONNECTIONS SHALL BE AESS. REFER TO SPECIFICATIONS.



NOTES:

1. ALL BRIDGE STRUCTURAL STEEL MEMBERS AND CONNECTIONS SHALL BE HOT DIPPED GALVANIZED
2. ALL DIMENSIONS ARE TO MEMBER CENTERLINES U.N.O.

3 BRIDGE ROOF FRAMING PLAN

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

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BRIDGE PLANS

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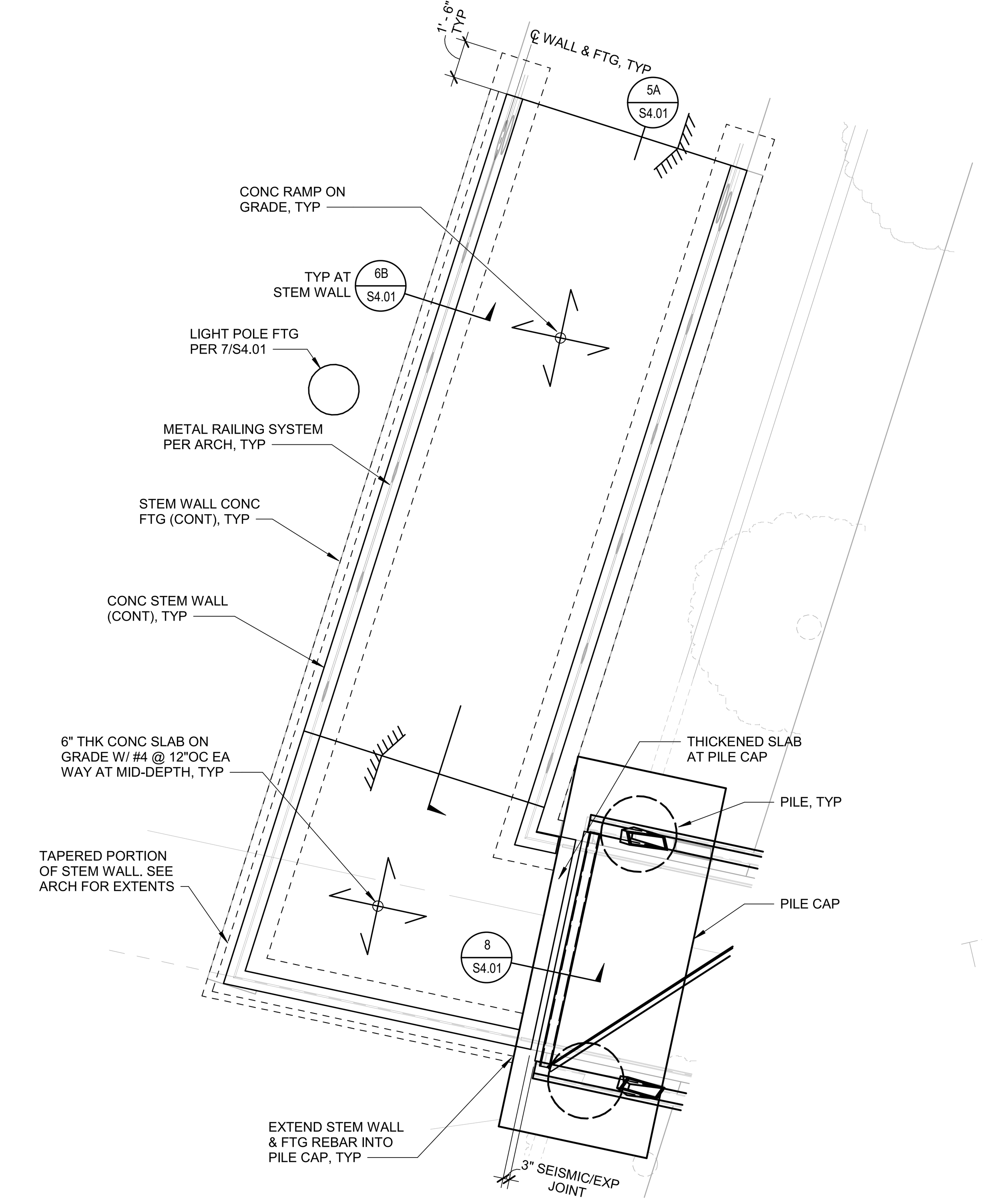
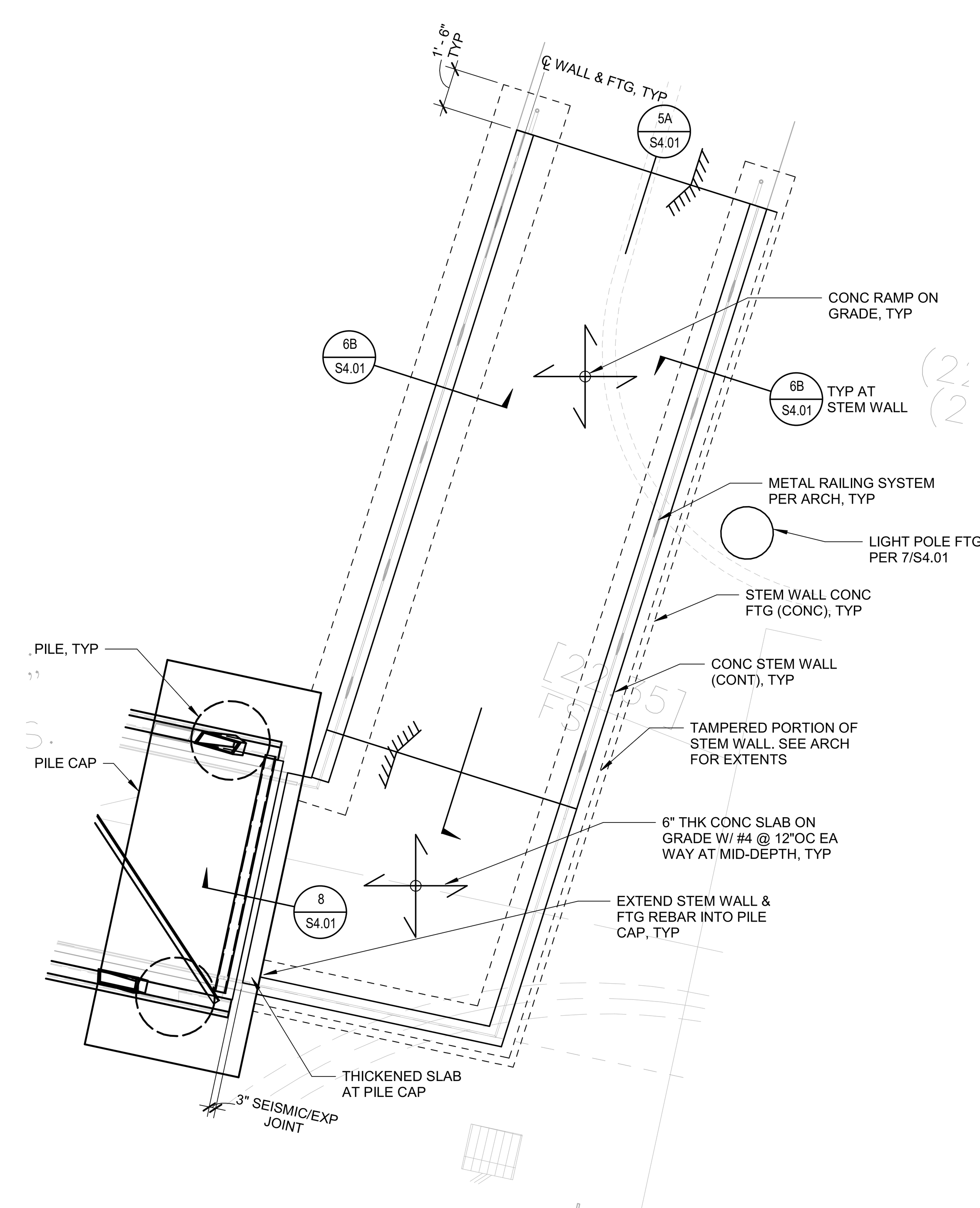


1 RAMP PLAN - WEST
SCALE : 1/4" = 1'-0"



2 RAMP PARTIAL PLAN - EAST
SCALE : 1/4" = 1'-0"

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RAMP PLANS

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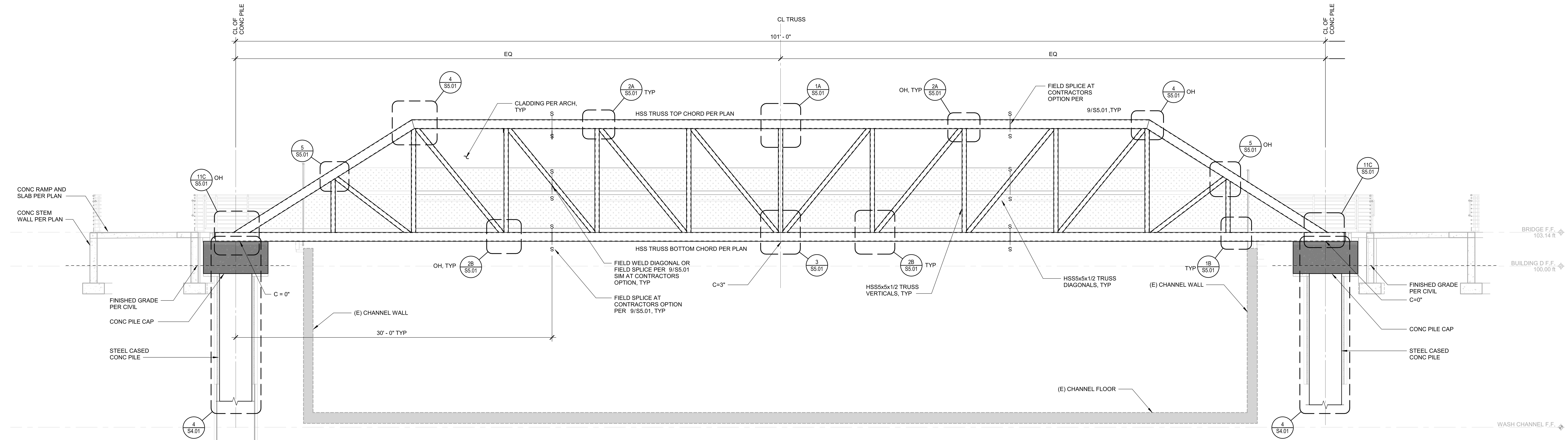
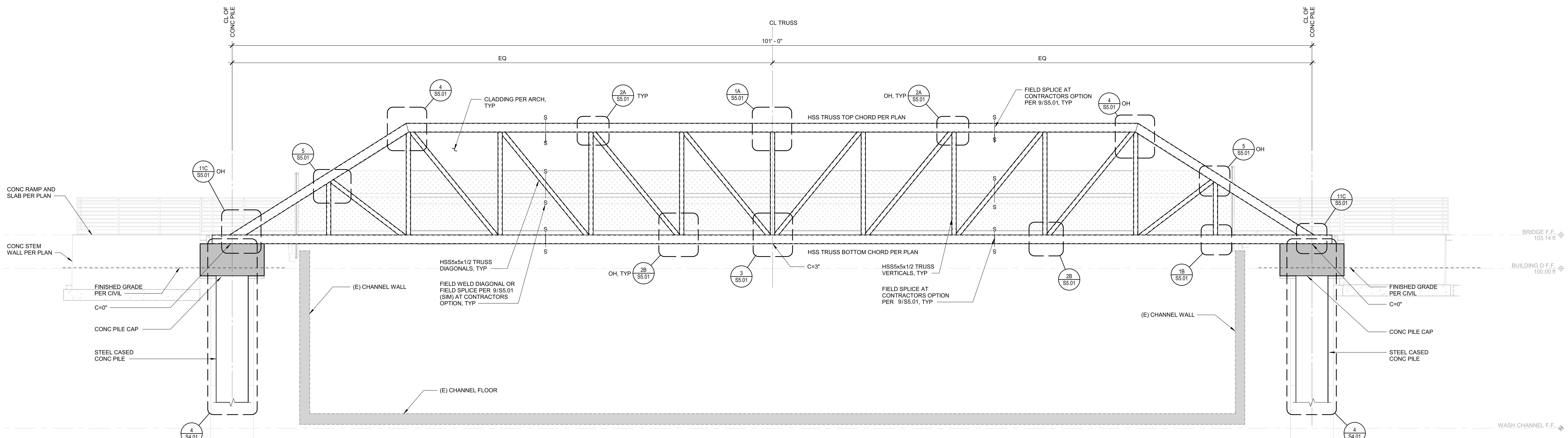


NOTES:

1. ALL BRIDGE STRUCTURAL STEEL MEMBERS AND CONNECTIONS SHALL BE HOT DIPPED GALVANIZED.
2. C = 3" DENOTES UPWARD CAMBER IN INCHES.
3. ALL DIMENSIONS ARE TO MEMBER CENTERLINES UNO.

1 NORTH ELEVATION

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



NOTES:

1. ALL BRIDGE STRUCTURAL STEEL MEMBERS AND CONNECTIONS SHALL BE HOT DIPPED GALVANIZED.
2. C = 3" DENOTES UPWARD CAMBER IN INCHES.
3. ALL DIMENSIONS ARE TO MEMBER CENTERLINES UNO.

2 SOUTH ELEVATION

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

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ELEVATIONS

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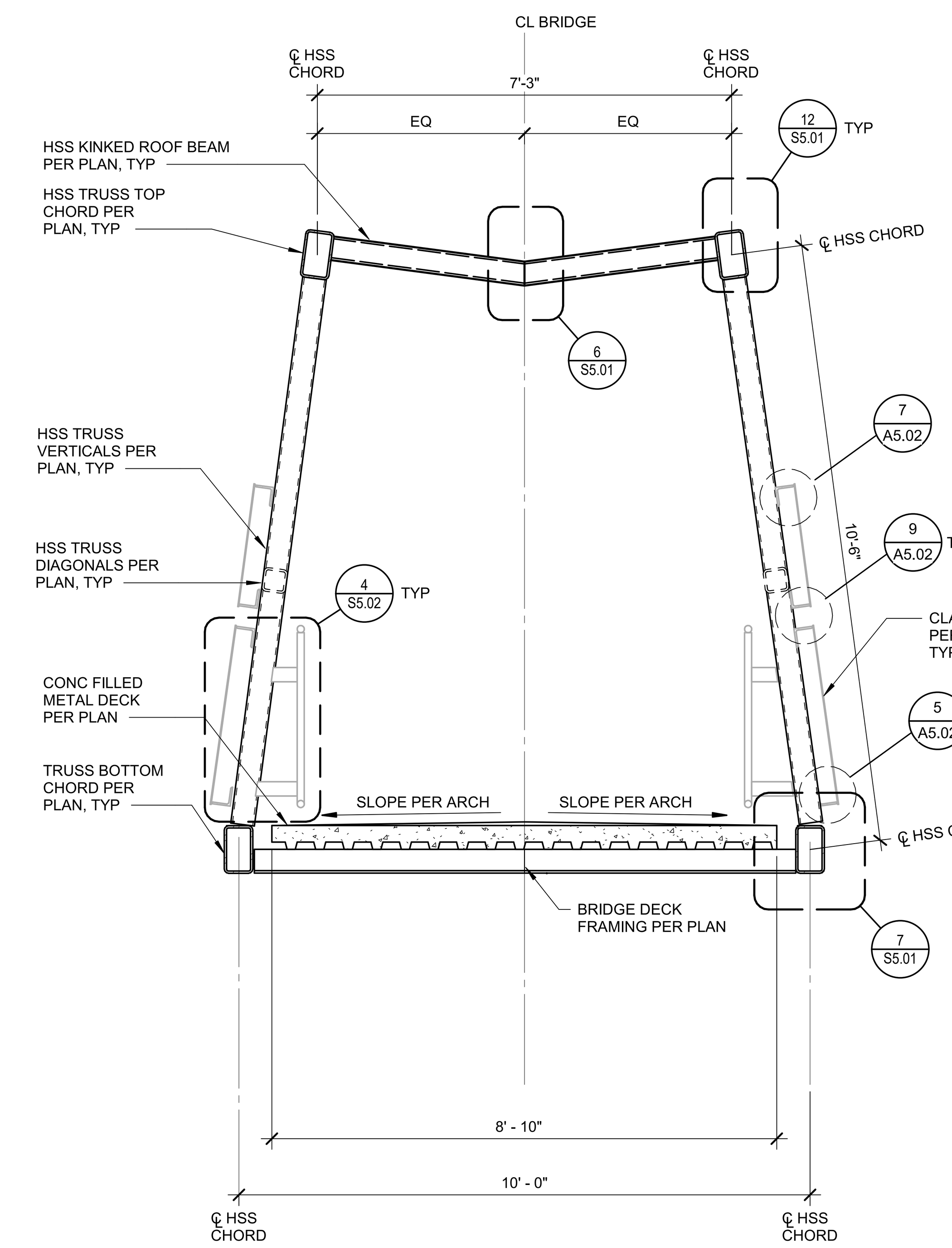

NOTES:

1. ALL BRIDGE STRUCTURAL STEEL MEMBERS AND CONNECTIONS SHALL BE HOT DIPPED GALVANIZED.
2. ALL DIMENSIONS ARE TO MEMBER CENTERLINES U.N.O.

1 BRIDGE CROSS SECTION

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

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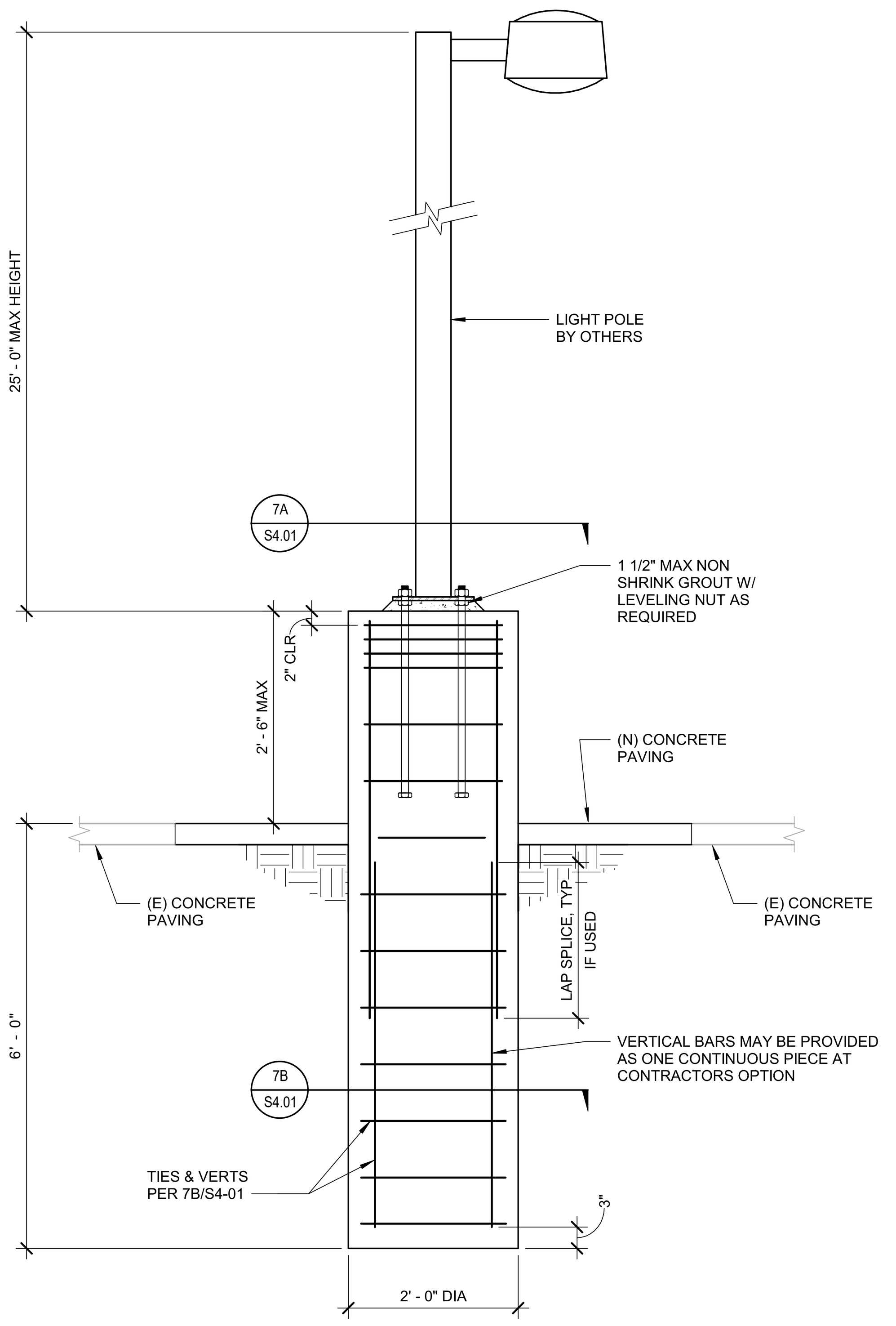
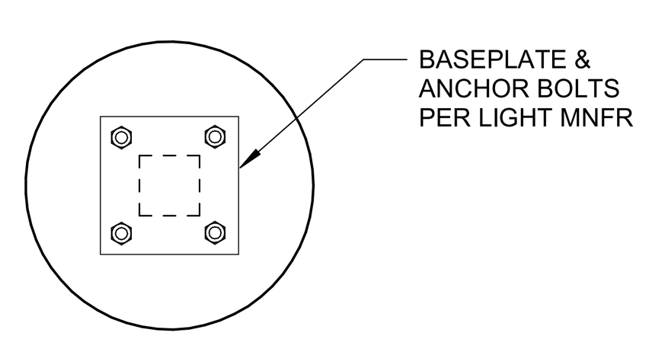
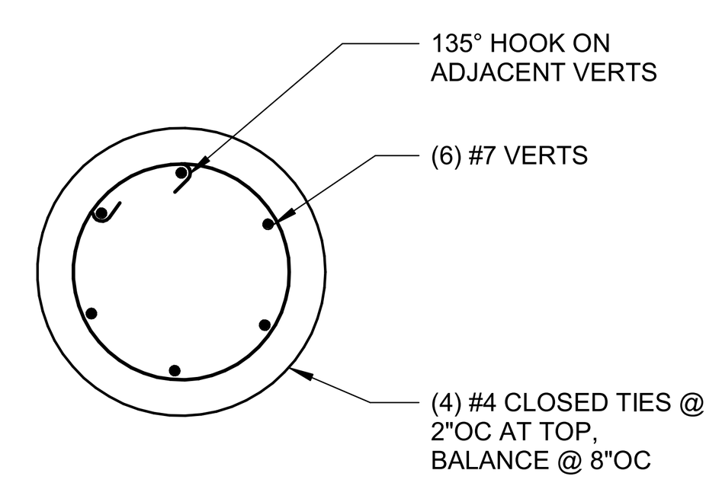




7A SECTION
3/4" = 1'-0"



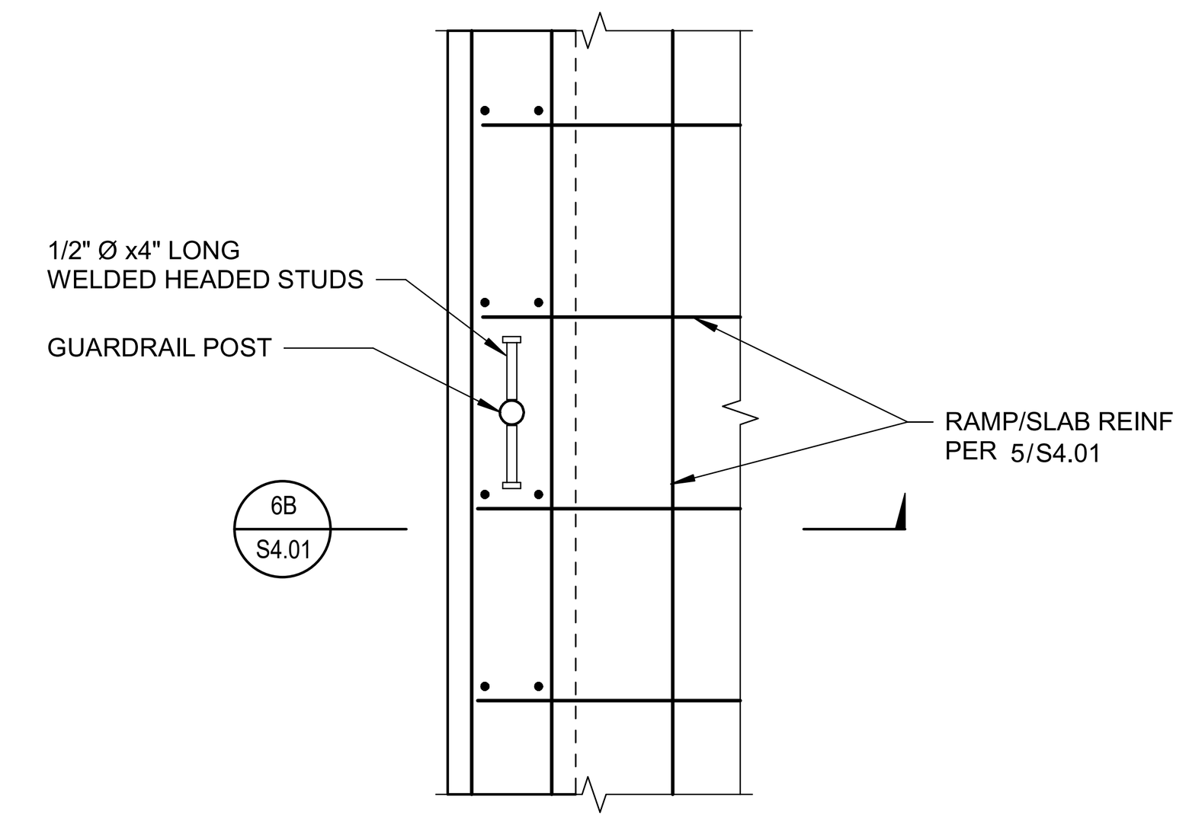
7B SECTION
3/4" = 1'-0"

NOTE:

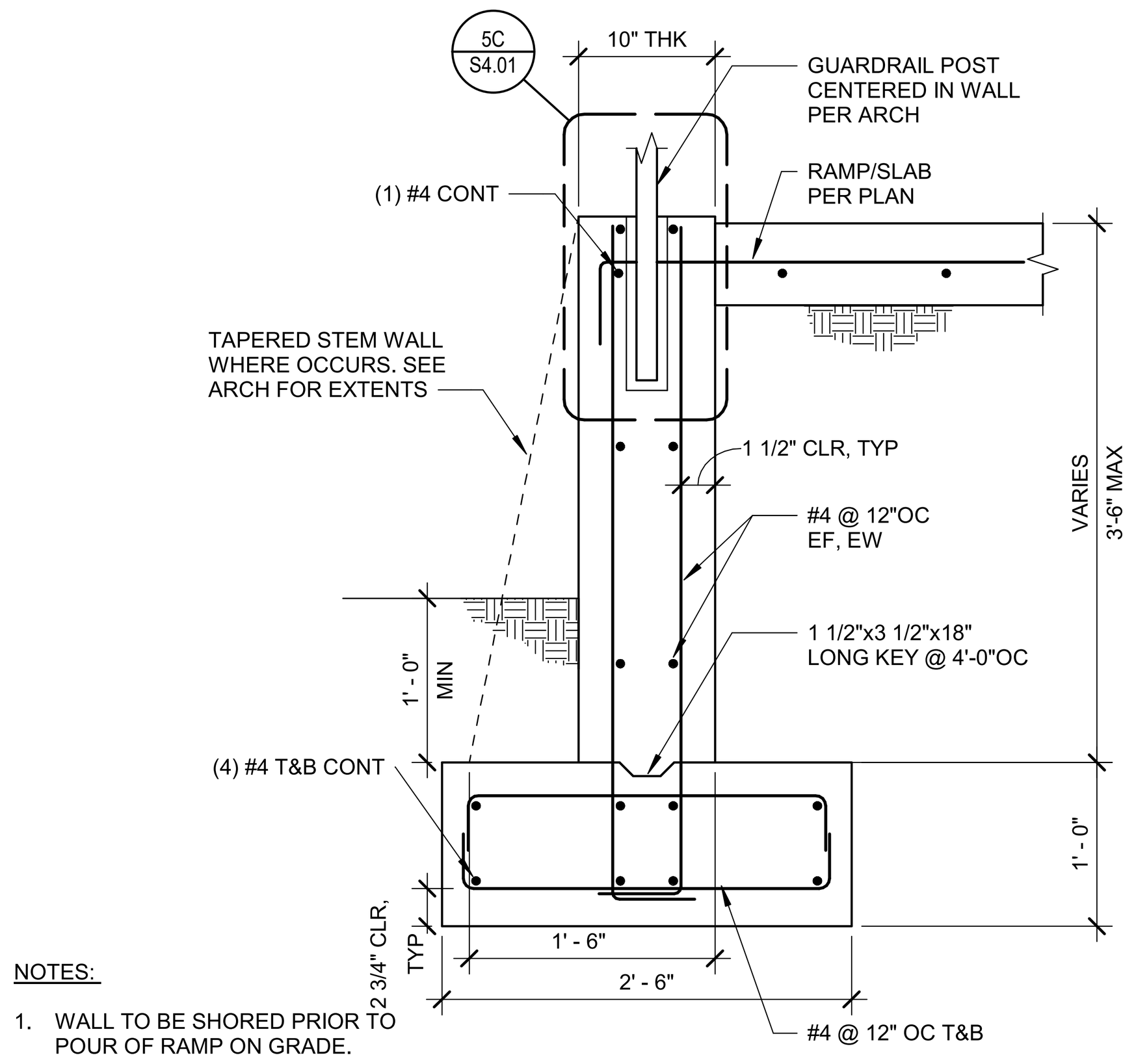
1. LIGHT POLES LESS THAN 35' TALL ARE EXEMPT FROM DSA STRUCTURAL REVIEW PER IRA A-22.

7 LIGHT POLE FOUNDATION

SCALE : 3/4" = 1'-0"



6A PLAN VIEW



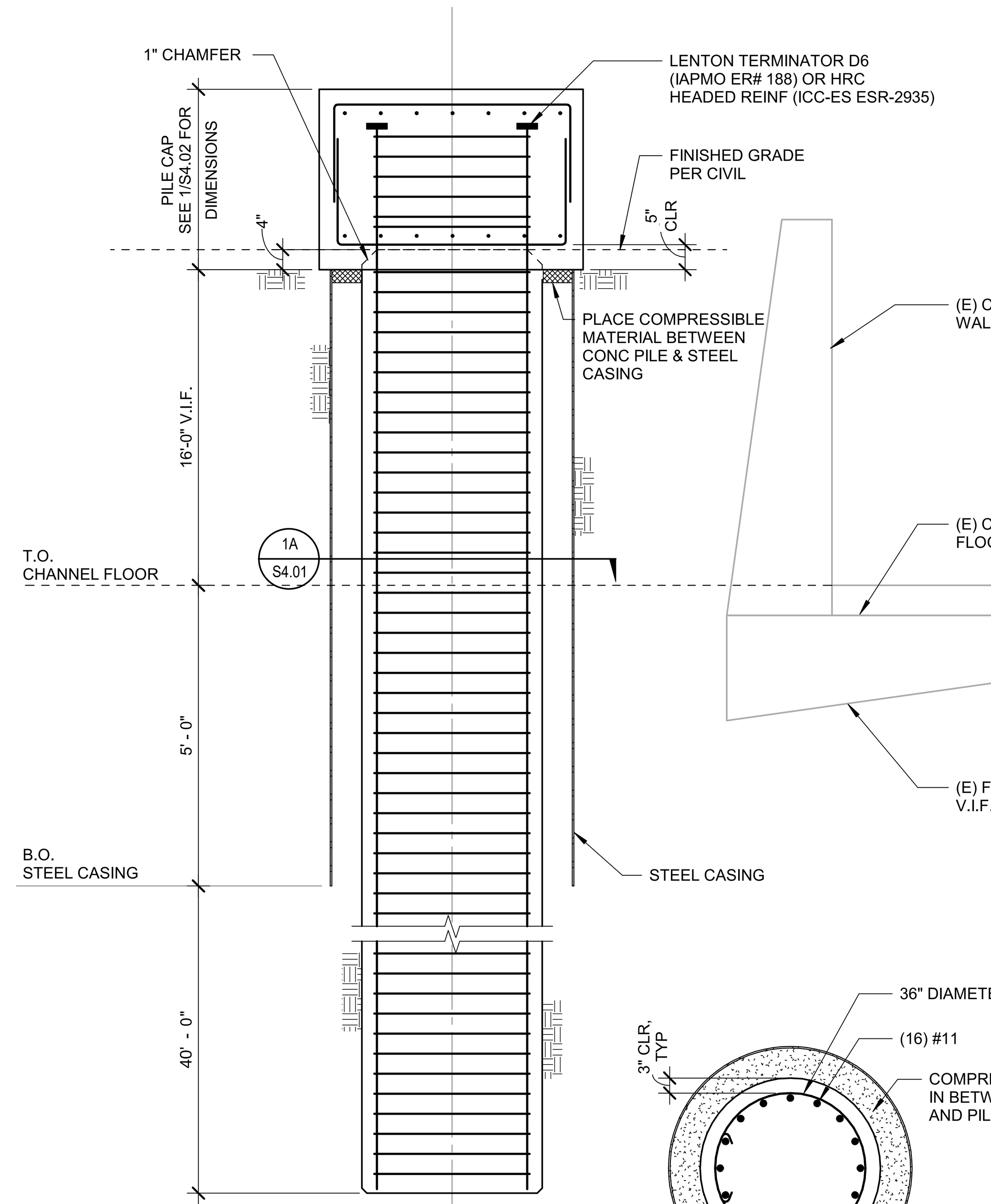
NOTES:

1. WALL TO BE SHORED PRIOR TO POUR OF RAMP ON GRADE.
2. AT TAPERED STEM WALL, REINFORCEMENT ON TAPERED FACE SHALL BE ANGLED.

6B STEM WALL DETAIL @ RAMP

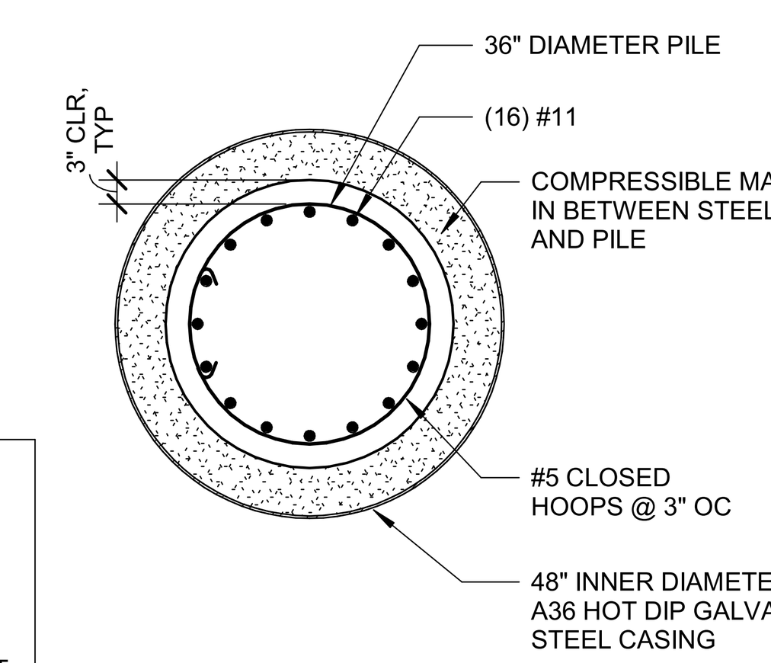
6 STEM WALL DETAIL

SCALE : 1" = 1'-0"



NOTES:

1. PILES HOLES ARE TO BE OVER DRILLED 6" LARGER THAN PILE DIAMETER TO A MIN 5'-0" BELOW CHANNEL INVERT. INSTALL "STEEL CASING". CONTRACTOR SHALL PROVIDE METHOD TO MAINTAIN CLEAR SPACE AROUND PILE.
2. PILE VERTICAL REINFORCING SHALL BE ONE PIECE OR LAP-SPLICE AT 30'-0" ABOVE BOTTOM OF PILE. STAGGER LAP SPLICES BY 2'-0" AT EACH ADJACENT VERTICAL .



1A SECTION
NTS

4 TYPICAL PILE DETAIL

NTS

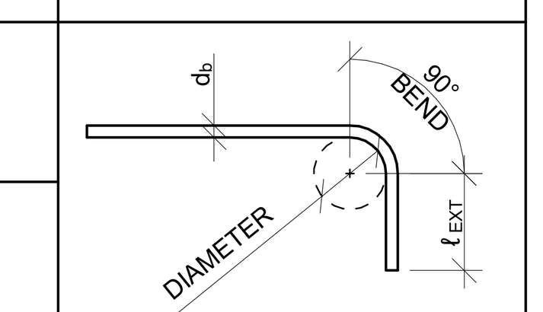
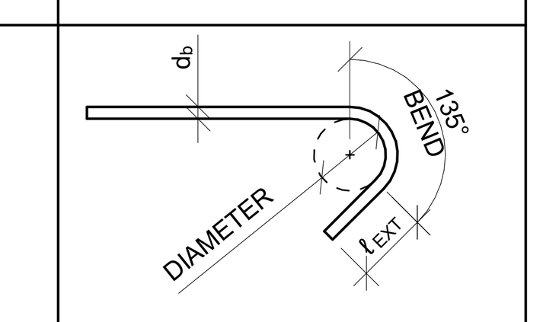
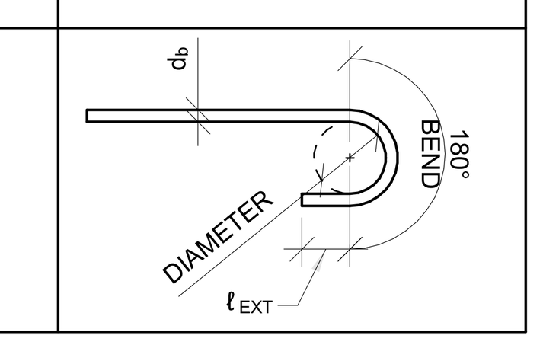
REBAR LAP SPLICE LENGTH SCHEDULE													
BAR SIZE	LAP CLASS	NORMAL WEIGHT CONCRETE											
		f'c = 3000 psi				f'c = 4000 psi				f'c = 5000 psi			
		Top Bars		Other Bars		Top Bars		Other Bars		Top Bars		Other Bars	
		Case 1	Case 2	Case 1	Case 2	Case 1	Case 2	Case 1	Case 2	Case 1	Case 2	Case 1	Case 2
3	A	1'-10"	2'-9"	1'-5"	2'-1"	1'-7"	2'-4"	1'-3"	1'-10"	1'-5"	2'-1"	1'-1"	1'-8"
	B	2'-4"	3'-6"	1'-10"	2'-9"	2'-1"	3'-1"	1'-7"	2'-4"	1'-10"	2'-9"	1'-5"	2'-1"
4	A	2'-5"	3'-7"	1'-10"	2'-9"	2'-1"	3'-1"	1'-7"	2'-5"	1'-11"	2'-10"	1'-5"	2'-2"
	B	3'-2"	4'-8"	2'-5"	3'-7"	2'-9"	4'-1"	2'-1"	3'-1"	2'-5"	3'-8"	1'-11"	2'-10"
5	A	3'-0"	4'-6"	2'-4"	3'-6"	2'-7"	3'-11"	2'-0"	3'-0"	2'-4"	3'-6"	1'-10"	2'-8"
	B	3'-11"	5'-10"	3'-0"	4'-6"	3'-5"	5'-1"	2'-7"	3'-11"	3'-0"	4'-6"	2'-4"	3'-6"
6	A	3'-7"	5'-5"	2'-9"	4'-2"	3'-1"	4'-8"	2'-5"	3'-7"	2'-10"	4'-2"	2'-2"	3'-3"
	B	4'-8"	7'-0"	3'-7"	5'-5"	4'-1"	6'-1"	3'-1"	4'-8"	3'-8"	5'-5"	2'-10"	4'-2"
7	A	5'-3"	7'-10"	4'-0"	6'-0"	4'-6"	6'-9"	3'-6"	5'-3"	4'-1"	6'-1"	3'-2"	4'-8"
	B	6'-9"	10'-2"	5'-3"	7'-10"	5'-11"	8'-10"	4'-6"	6'-9"	5'-3"	7'-11"	4'-1"	6'-1"
8	A	6'-0"	8'-11"	4'-7"	6'-11"	5'-2"	7'-9"	4'-0"	6'-0"	4'-8"	6'-11"	3'-7"	5'-4"
	B	7'-9"	11'-7"	6'-0"	8'-11"	6'-9"	10'-1"	5'-2"	7'-9"	6'-0"	9'-0"	4'-8"	6'-11"
9	A	6'-9"	10'-1"	5'-2"	7'-9"	5'-10"	8'-9"	4'-6"	6'-9"	5'-3"	7'-10"	4'-0"	6'-0"
	B	8'-9"	13'-1"	6'-9"	10'-1"	7'-7"	11'-4"	5'-10"	8'-9"	6'-9"	10'-2"	5'-3"	7'-10"
10	A	7'-7"	11'-4"	5'-10"	8'-9"	6'-7"	9'-10"	5'-1"	7'-7"	5'-11"	8'-10"	4'-6"	6'-9"
	B	9'-10"	14'-9"	7'-7"	11'-4"	8'-6"	12'-9"	6'-7"	9'-10"	7'-8"	11'-5"	5'-11"	8'-10"
11	A	8'-5"	12'-7"	6'-6"	9'-8"	7'-3"	10'-11"	5'-7"	8'-5"	6'-6"	9'-9"	5'-0"	7'-6"
	B	10'-11"	16'-4"	8'-5"	12'-7"	9'-6"	14'-2"	7'-3"	10'-11"	8'-6"	12'-8"	6'-6"	9'-9"

NOTES:

1. CASES 1 AND 2 WHICH DEPEND ON CLEAR CONCRETE COVER AND THE CENTER-TO-CENTER SPACING OF THE BARS ARE DEFINED AS:
   CASE 1: COVER AT LEAST 1db AND CLEAR SPACING AT LEAST 2db.
   CASE 2: COVER LESS THAN 1db OR CLEAR SPACING LESS THAN 2db.
2. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
3. OTHER BARS INCLUDE VERTICAL BARS AND HORIZONTAL BARS WITH LESS THAN 12 INCHES OF CONCRETE CAST BELOW HORIZONTAL BARS.
4. BAR SPLICES NOT COVERED BY THIS SCHEDULE ARE SPECIFICALLY DETAILED AND DIMENSIONED PER PLANS.
5. ALL SPLICES SHALL BE CLASS 'B' UNLESS OTHERWISE ON PLANS.
6. FOR DEVELOPMENT LENGTH, Ld, USE CLASS 'A' LAP SPLICE LENGTH.
7. THIS SCHEDULE IS FOR GR 60 REINFORCEMENT.

1 TYPICAL REINFORCEMENT LAP SPLICE

SCALE : 1" = 1'-0"

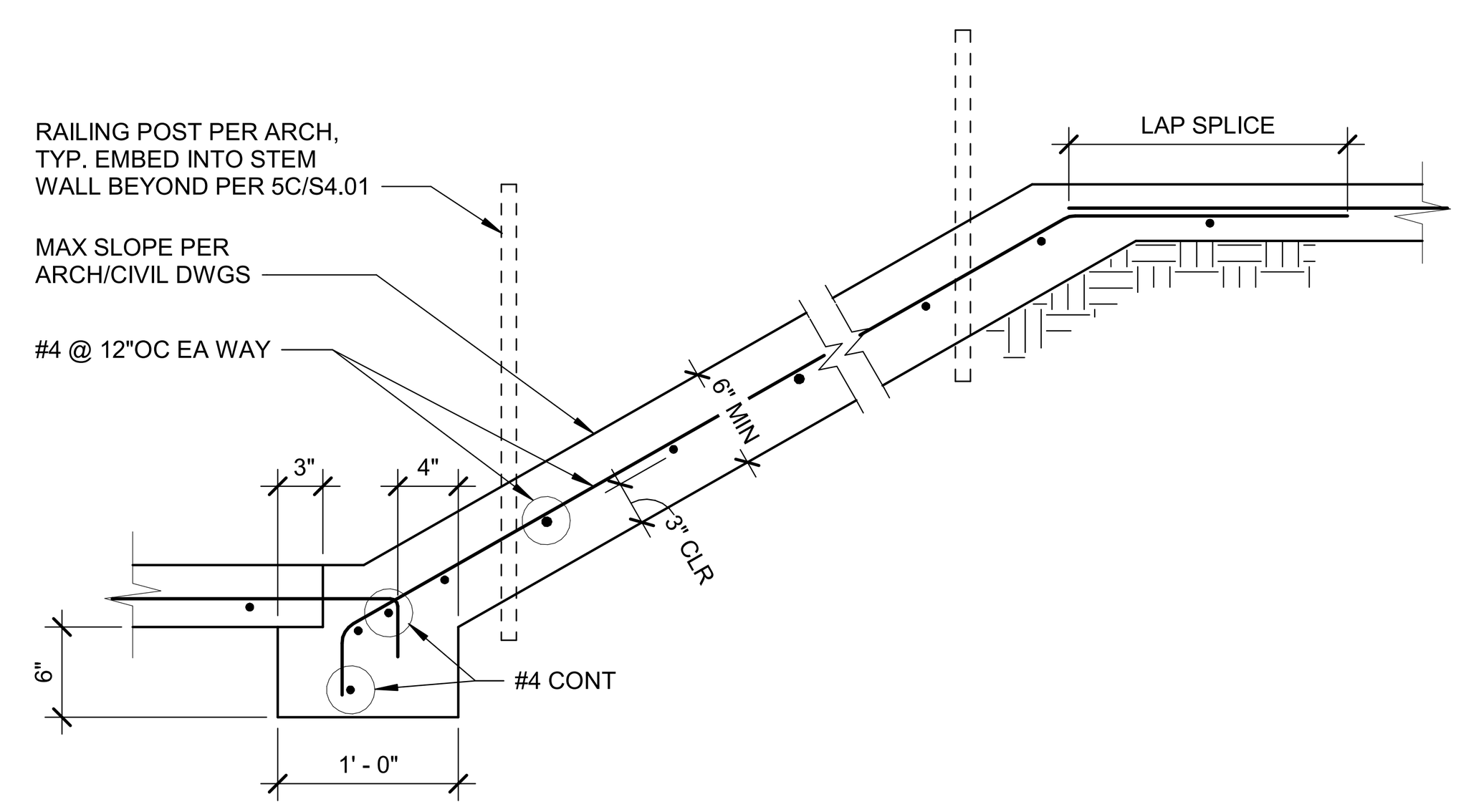
TYPE OF STANDARD HOOK	BAR SIZE	MINIMUM INSIDE BEND DIAMETER, IN	STRAIGHT EXTENSION [1] ℓ_{EXT}, IN	TYPE OF STANDARD HOOK
90-DEGREE HOOK	#3 THROUGH #5	$4d_b$	GREATER OF $6d_b$ AND 3 IN	
	#6 THROUGH #8	$6d_b$	$12d_b$	
135-DEGREE HOOK	#3 THROUGH #5	$4d_b$	GREATER OF $6d_b$ AND 3 IN	
	#6 THROUGH #8	$6d_b$		
180-DEGREE HOOK	#3 THROUGH #5	$4d_b$	GREATER OF $4d_b$ AND 2.5 IN	
	#6 THROUGH #8	$6d_b$		

NOTE:

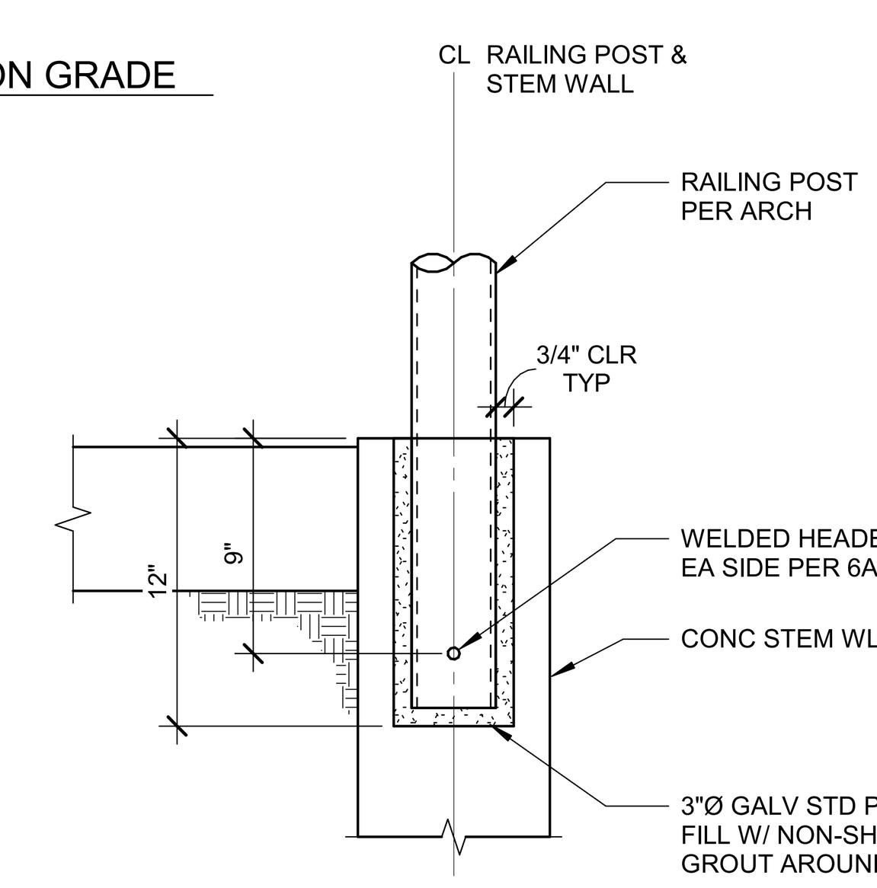
1. ACI 318-14 TABLE 25.3.2 STANDARD HOOK GEOMETRY-STIRUPS, TIE & HOOPS.

2 TYP STANDARD HOOK GEOMETRY - STIRRUPS, TIES & HOOPS

SCALE : 1" = 1'-0"



5A RAMP ON GRADE



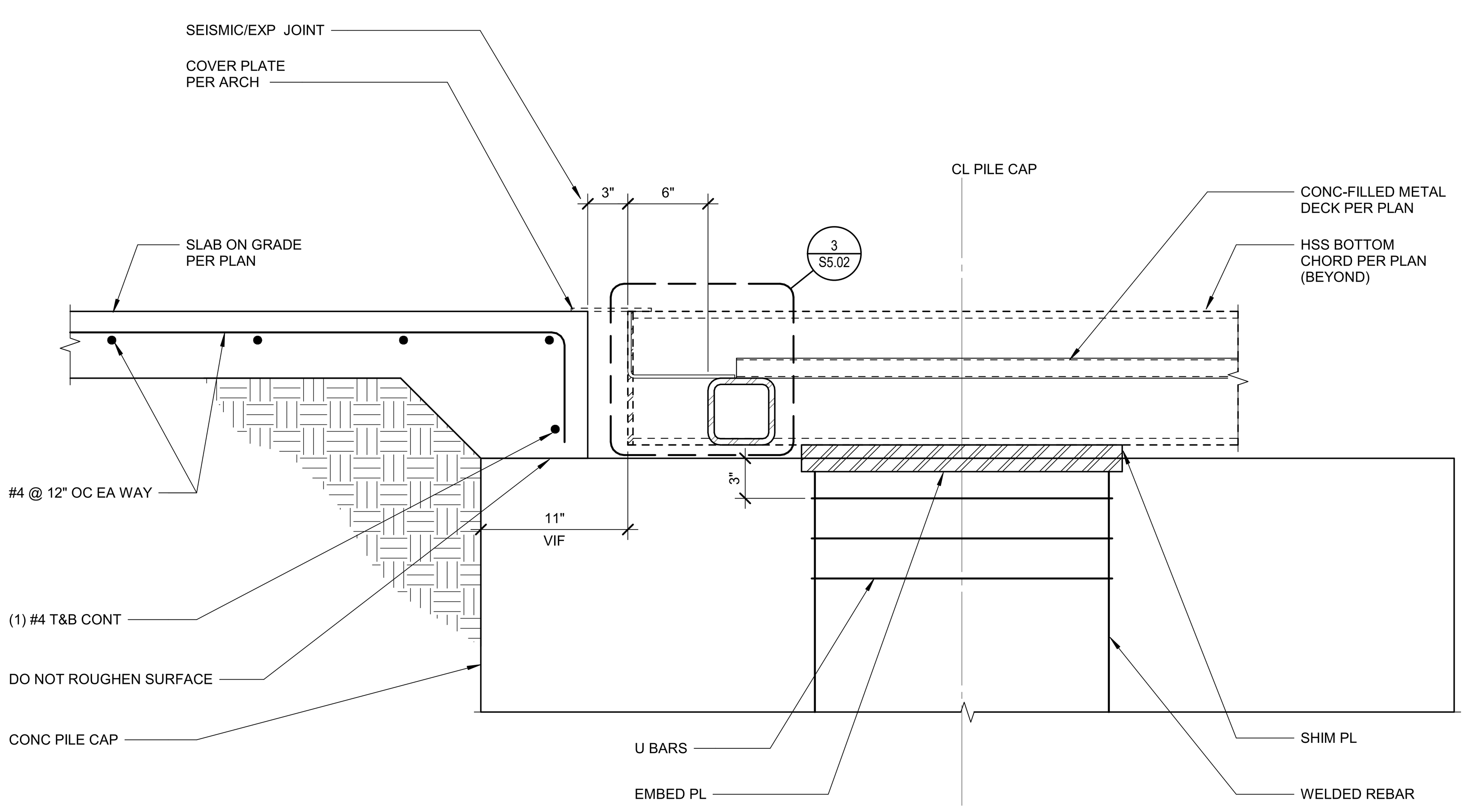
NOTE:
SLAB & STEM WALL REINF STEEL NOT SHOWN FOR CLARITY.

5C RAILING POST SLEEVE

5B NOT USED

5 TYPICAL CONCRETE STAIRS AND RAMP ON GRADE

SCALE : 1" = 1'-0"

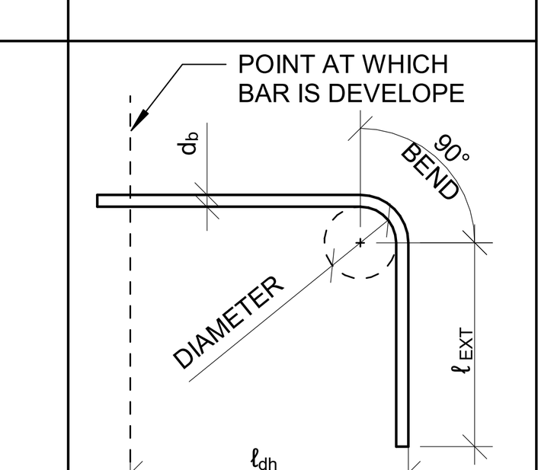
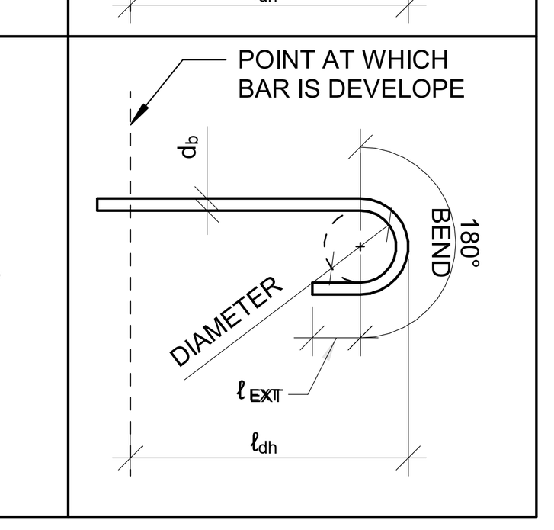


NOTES:

1. SEE 4/S4.01 FOR PILE INFORMATION .
2. SEE 11/S4.01 OF TRUSS TO PILE CAP CONNECTION.

8 RAMP TO BRIDGE DECK TRANSITION DETAIL

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

TYPE OF STANDARD HOOK	BAR SIZE	MINIMUM INSIDE BEND DIAMETER, IN	STRAIGHT EXTENSION [1] ℓ_{EXT}, IN	TYPE OF STANDARD HOOK
90-DEGREE HOOK	#3 THROUGH #8	$6d_b$	$12d_b$	
	#9 THROUGH #11	$8d_b$		
	#14 THROUGH #18	$10d_b$		
180-DEGREE HOOK	#3 THROUGH #8	$6d_b$	GREATER OF $4d_b$ AND 2.5 IN	
	#9 THROUGH #11	$8d_b$		
	#14 THROUGH #18	$10d_b$		

NOTE:

1. ACI 318-14 TABLE 25.3.2.

3 STANDARD HOOK GEOMETRY - BARS DEVELOPED IN TENSION

SCALE : 1" = 1'-0"

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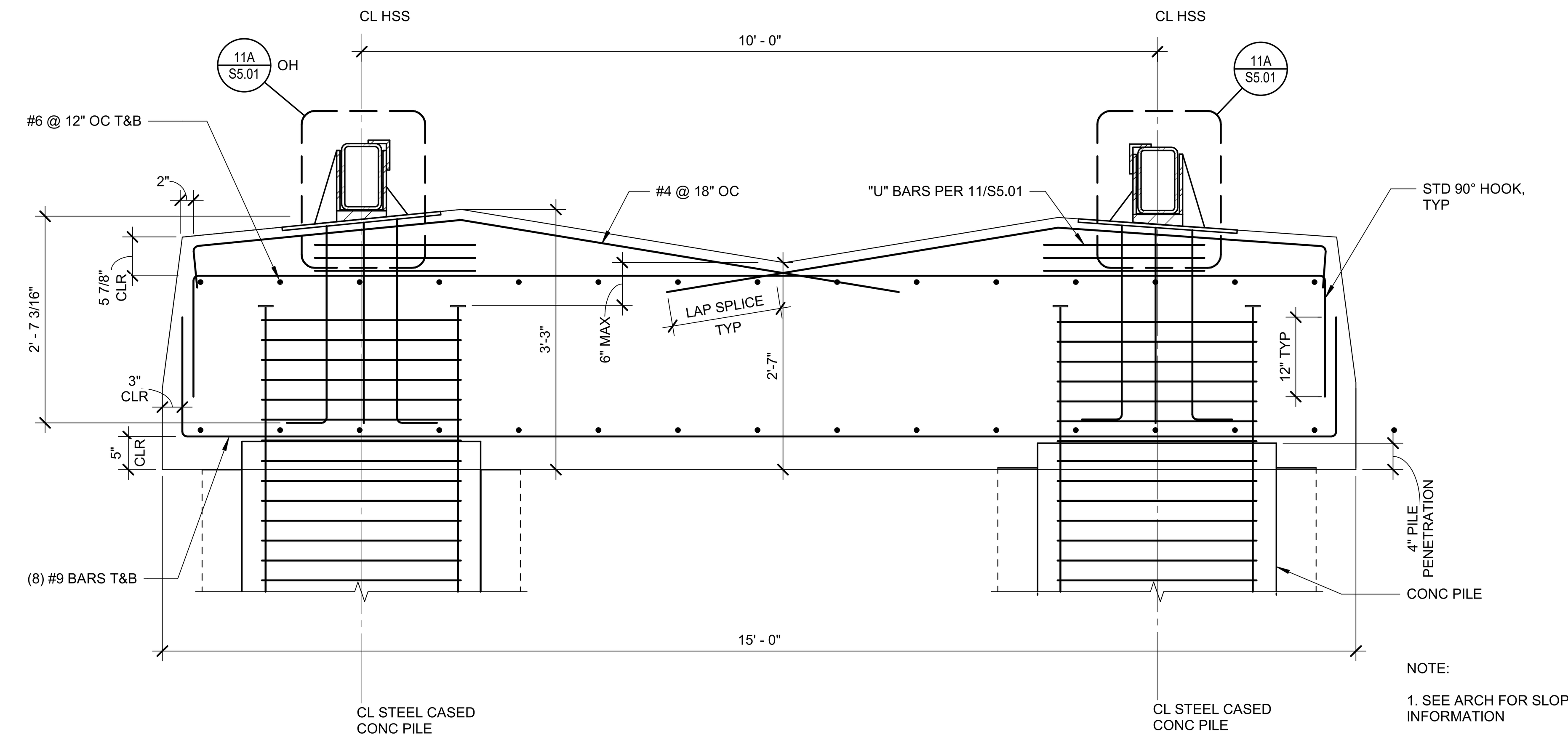
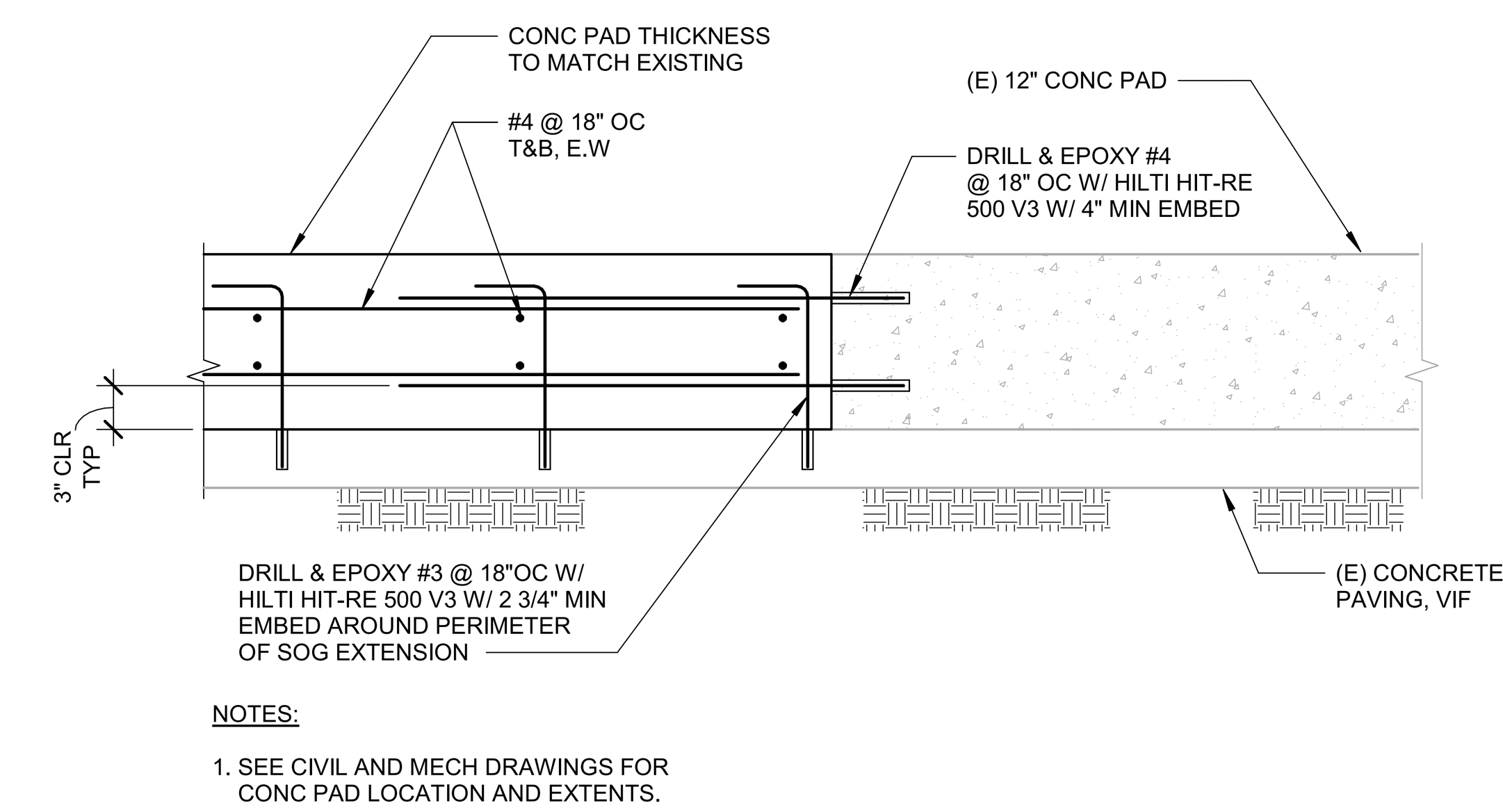


1 TYPICAL PILE CAP DETAIL

SCALE : 3/4" = 1'-0"



NOTES:

1. SEE CIVIL AND MECH DRAWINGS FOR CONC PAD LOCATION AND EXTENTS.

2 CONCRETE PAD EXTENSION

SCALE : 1" = 1'-0"

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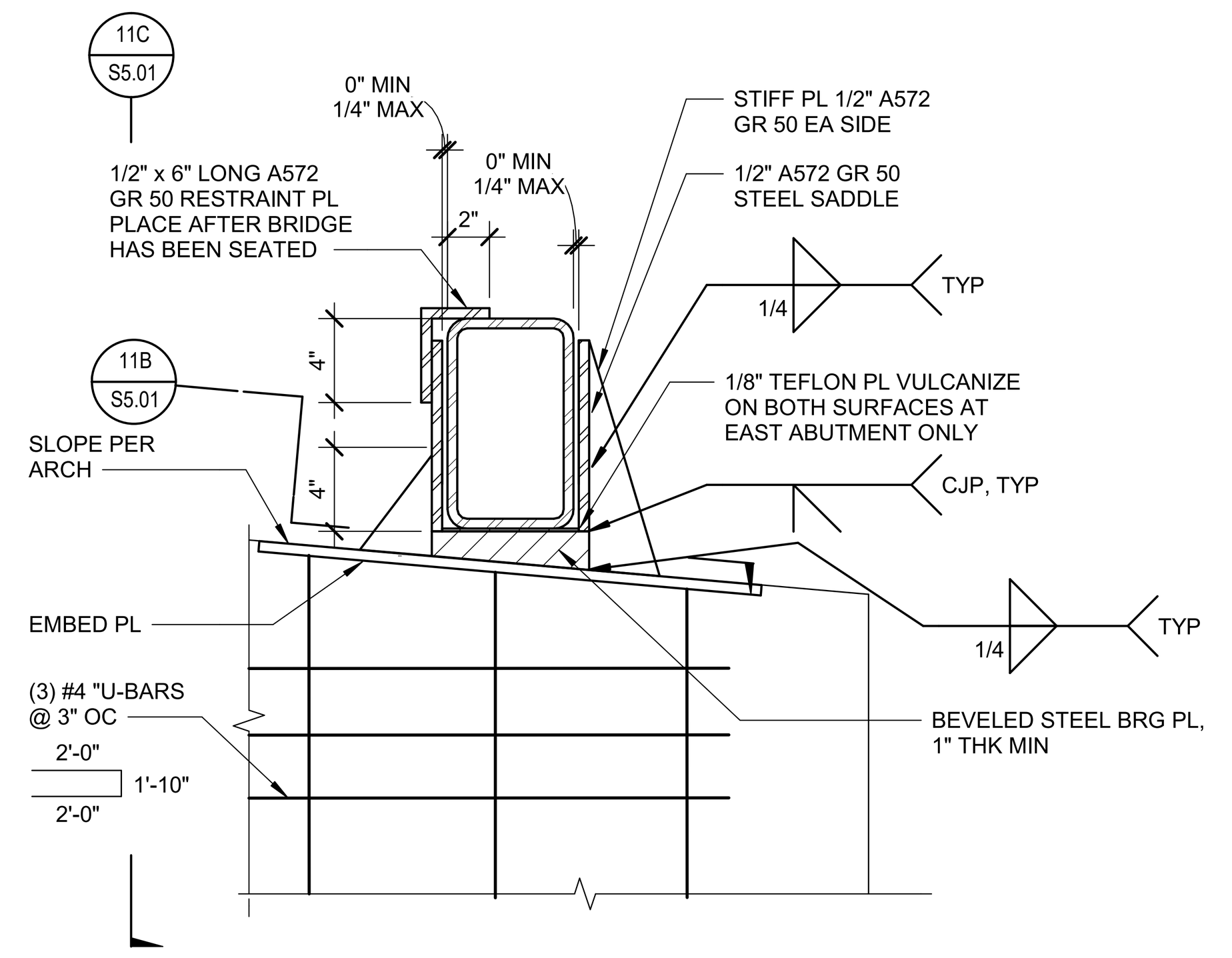
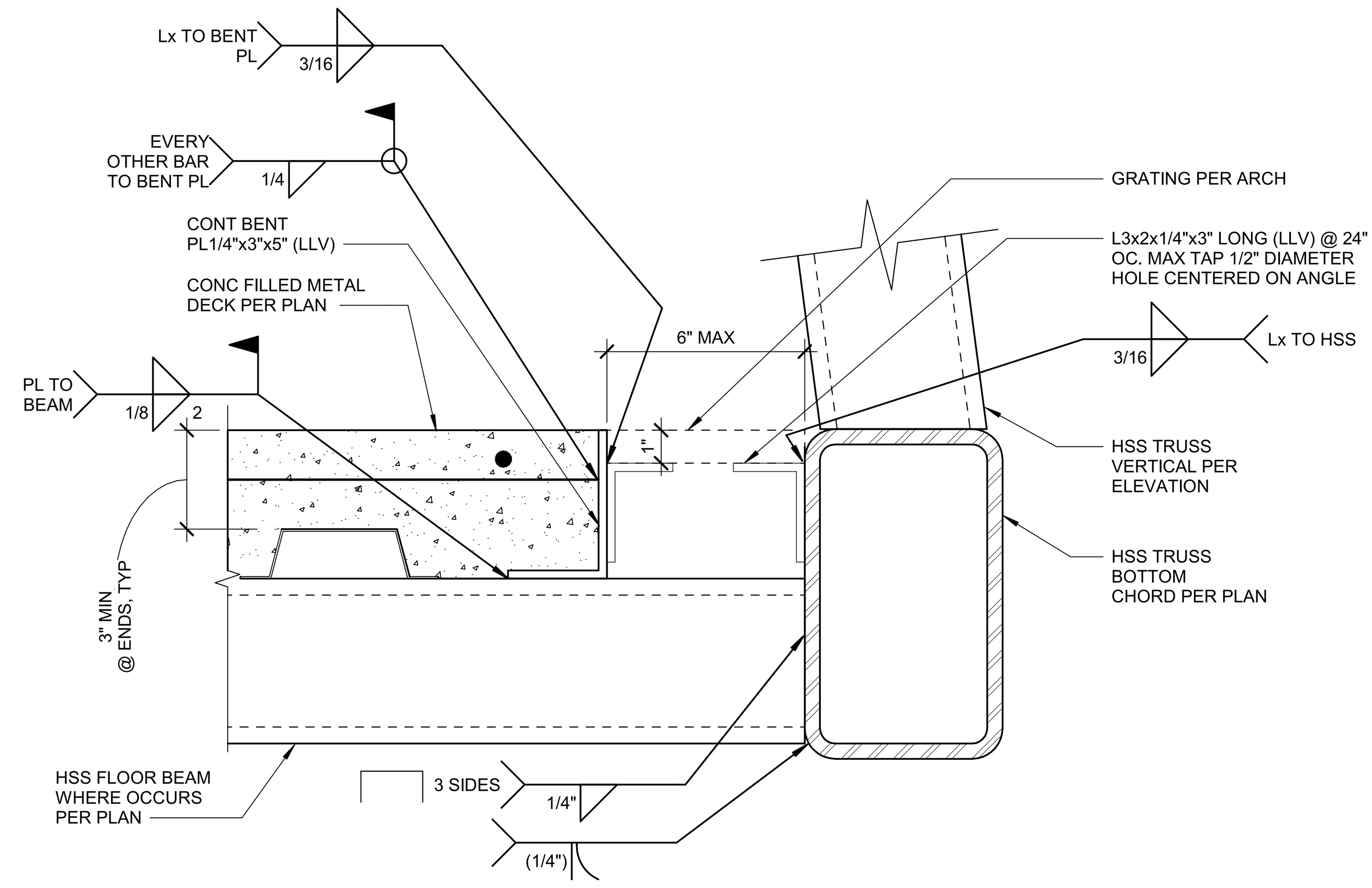
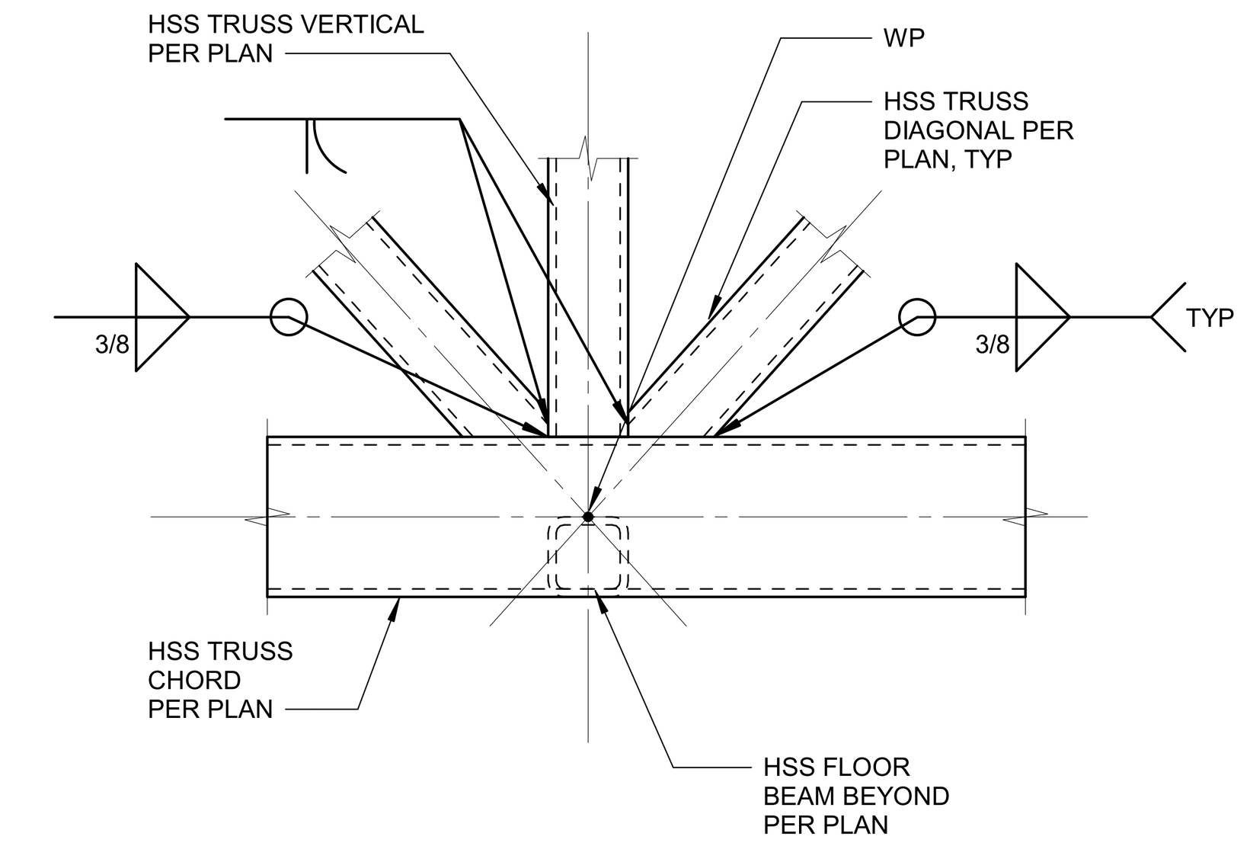


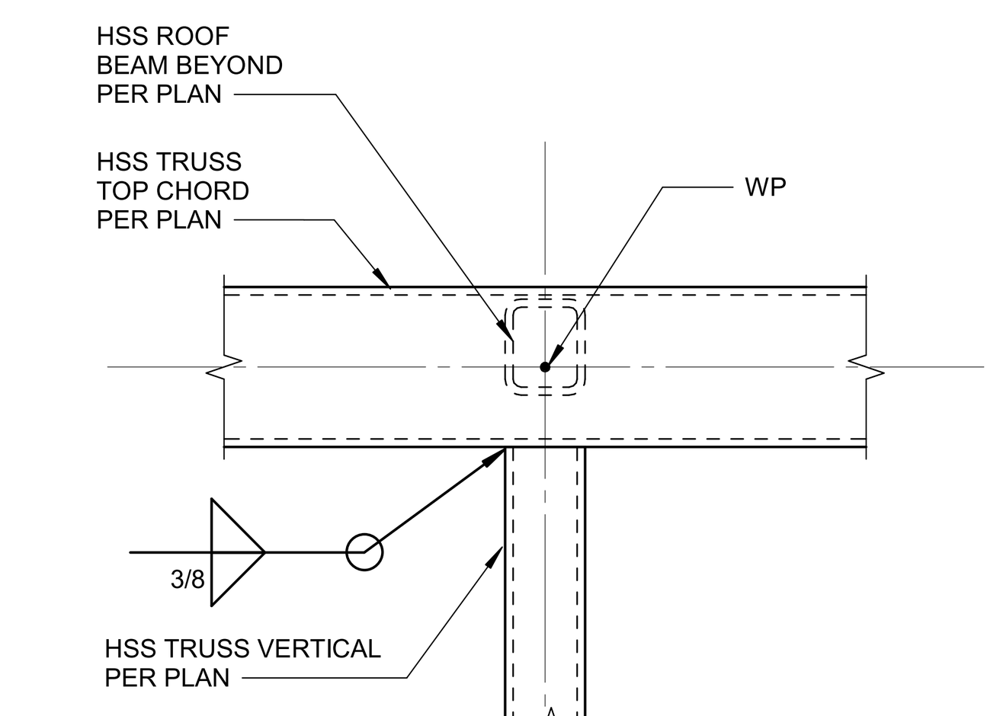
11A DETAIL



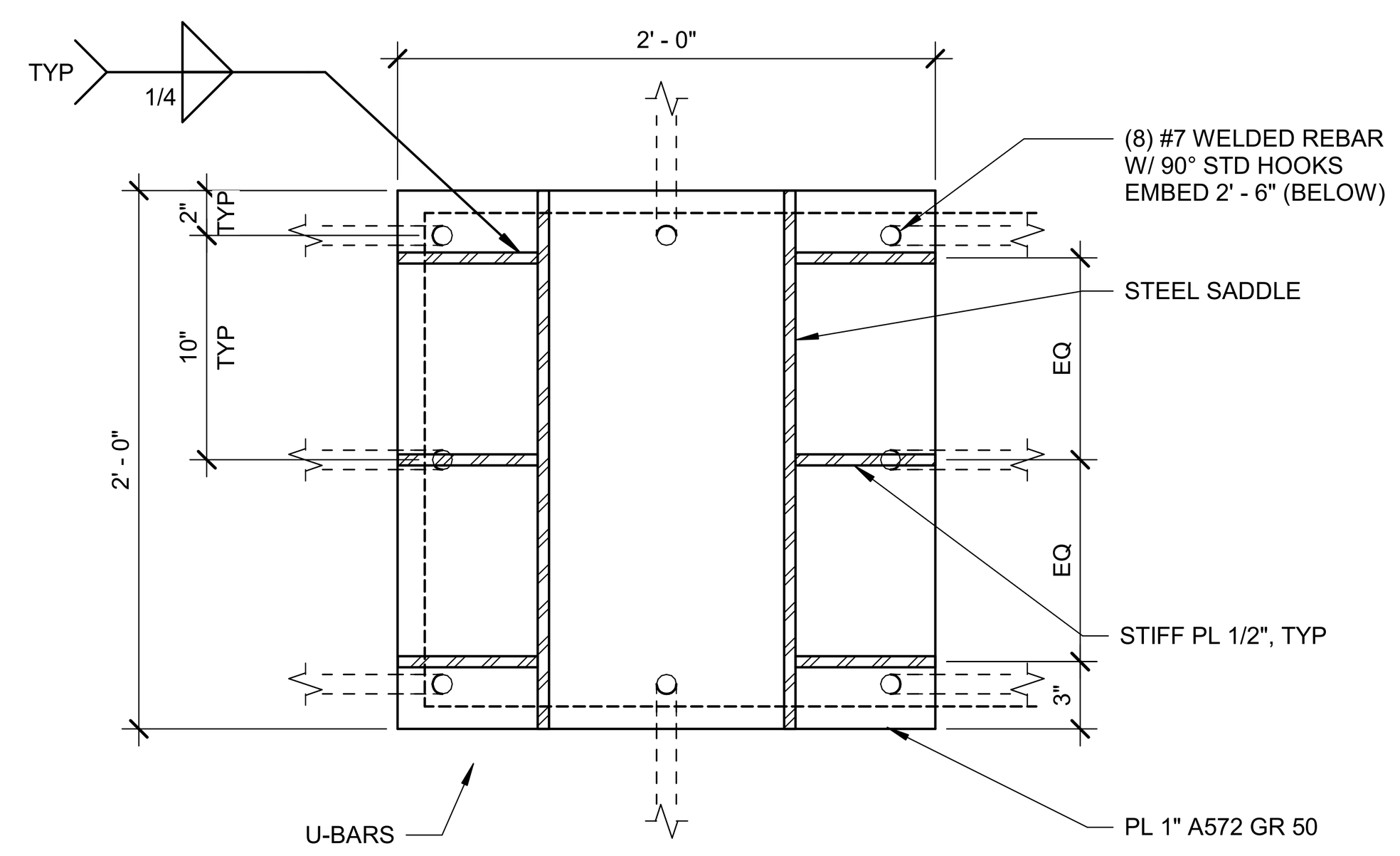
7 FLOOR BEAM CONNECTION
SCALE : 3" = 1'-0"



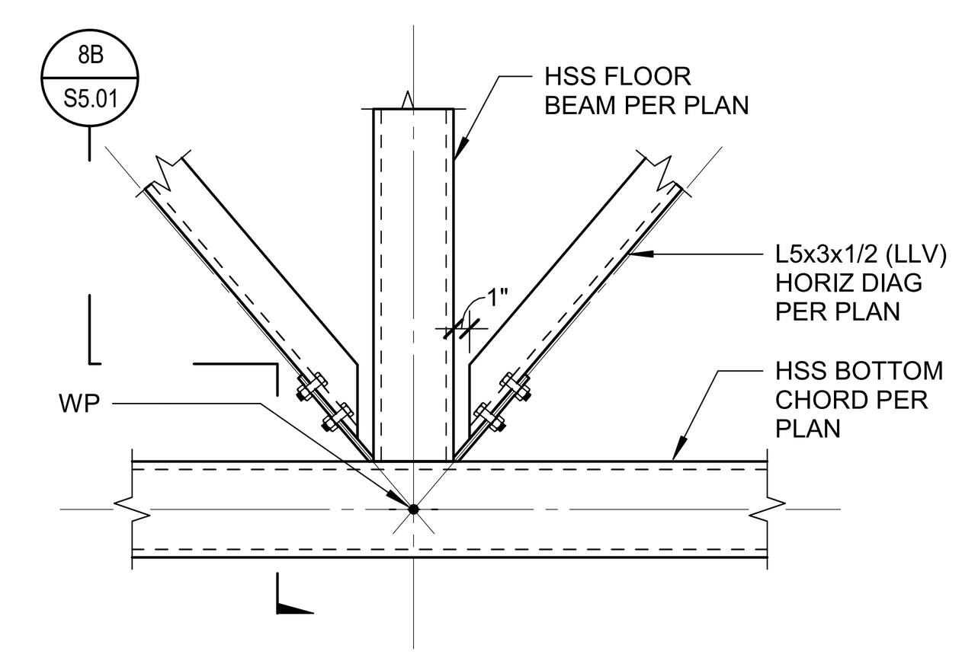
3 CONNECTION DETAIL
SCALE : 1" = 1'-0"



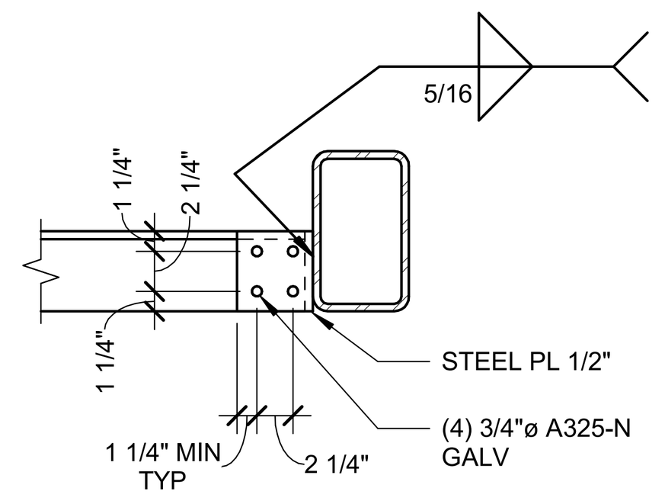
1A CONNECTION DETAIL



11B PLAN

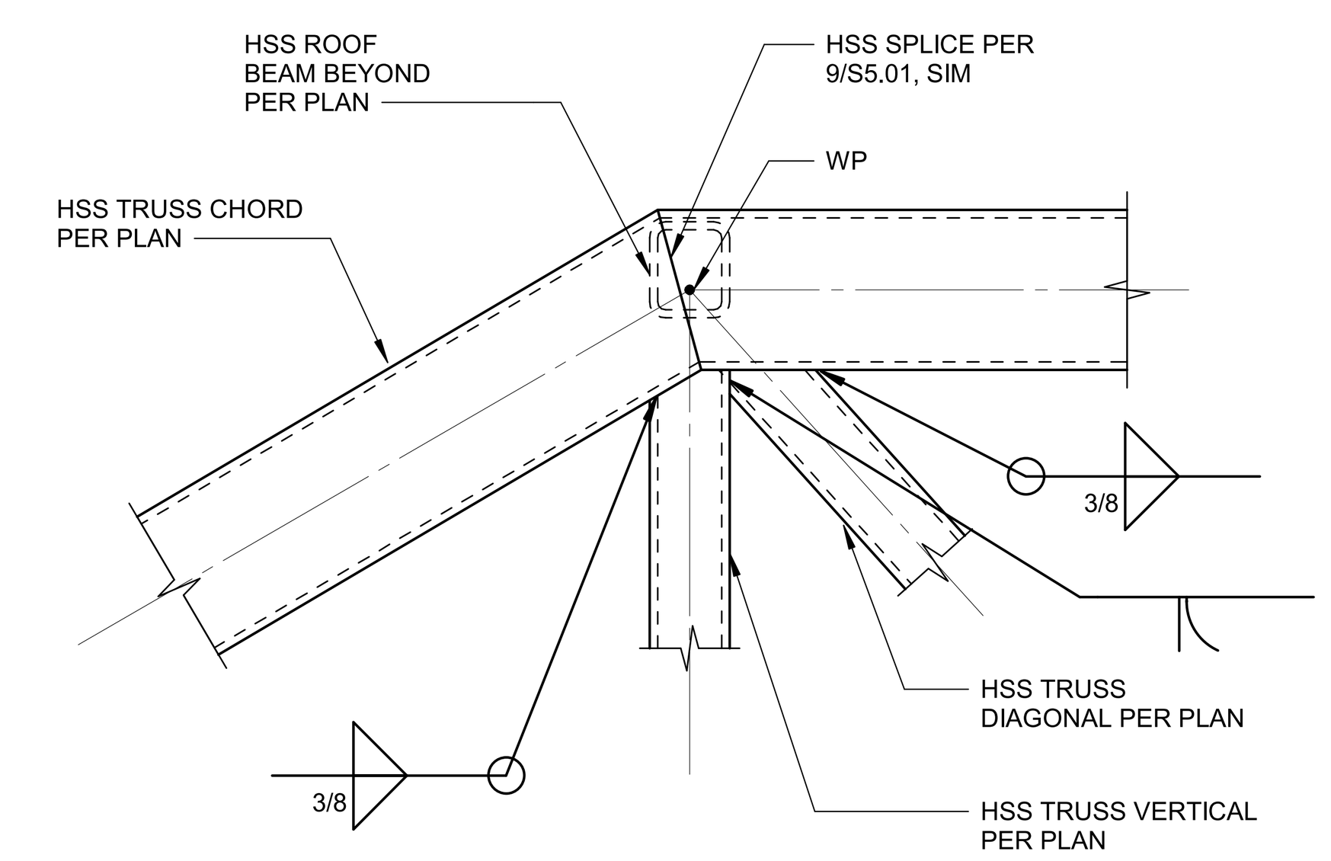


8A PLAN

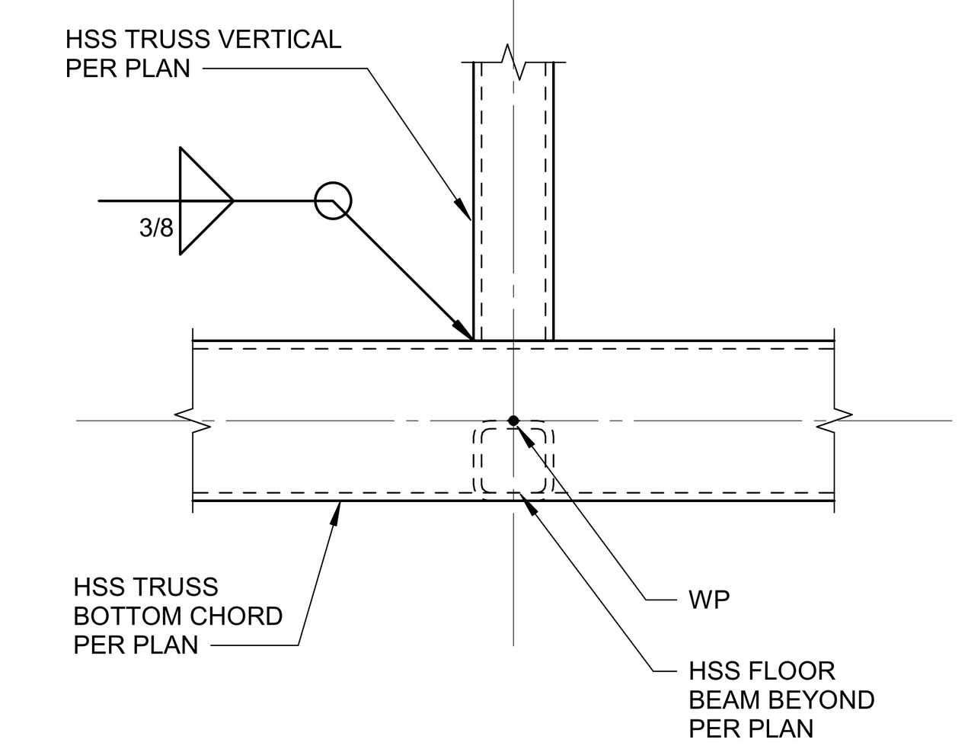


8B SECTION

8 HORIZONTAL BRACE CONNECTION
SCALE : 1" = 1'-0"

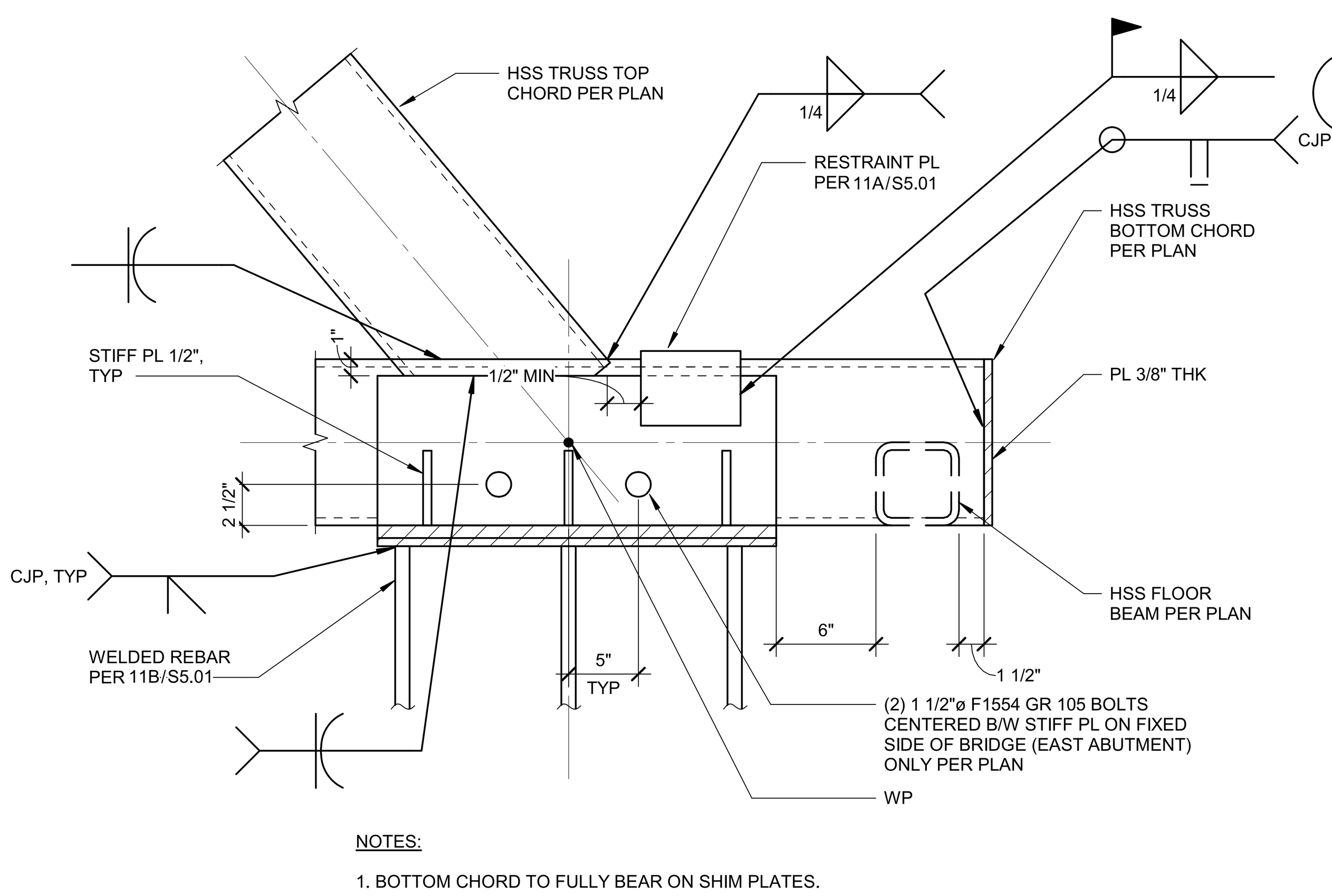


4 CONNECTION DETAIL
SCALE : 1" = 1'-0"



1B CONNECTION DETAIL

1 CONNECTION DETAIL
SCALE : 1" = 1'-0"

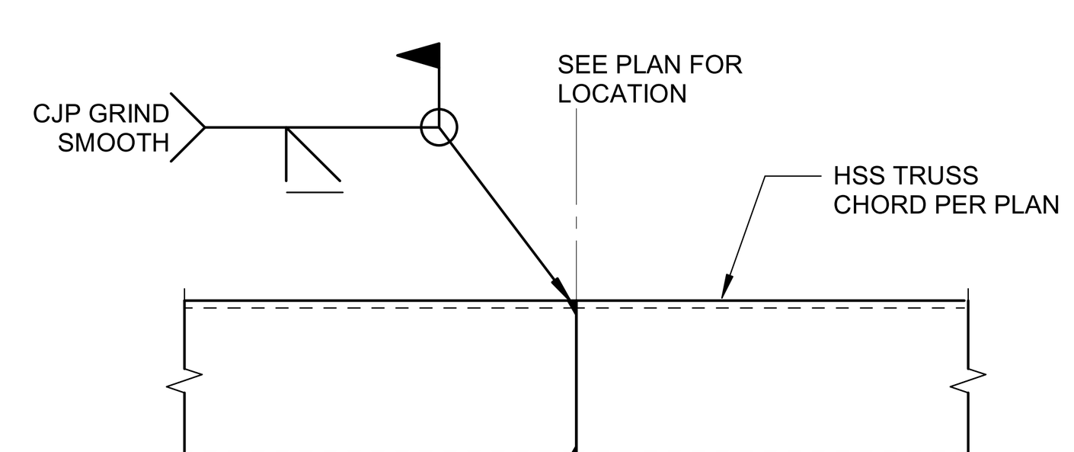


NOTES:

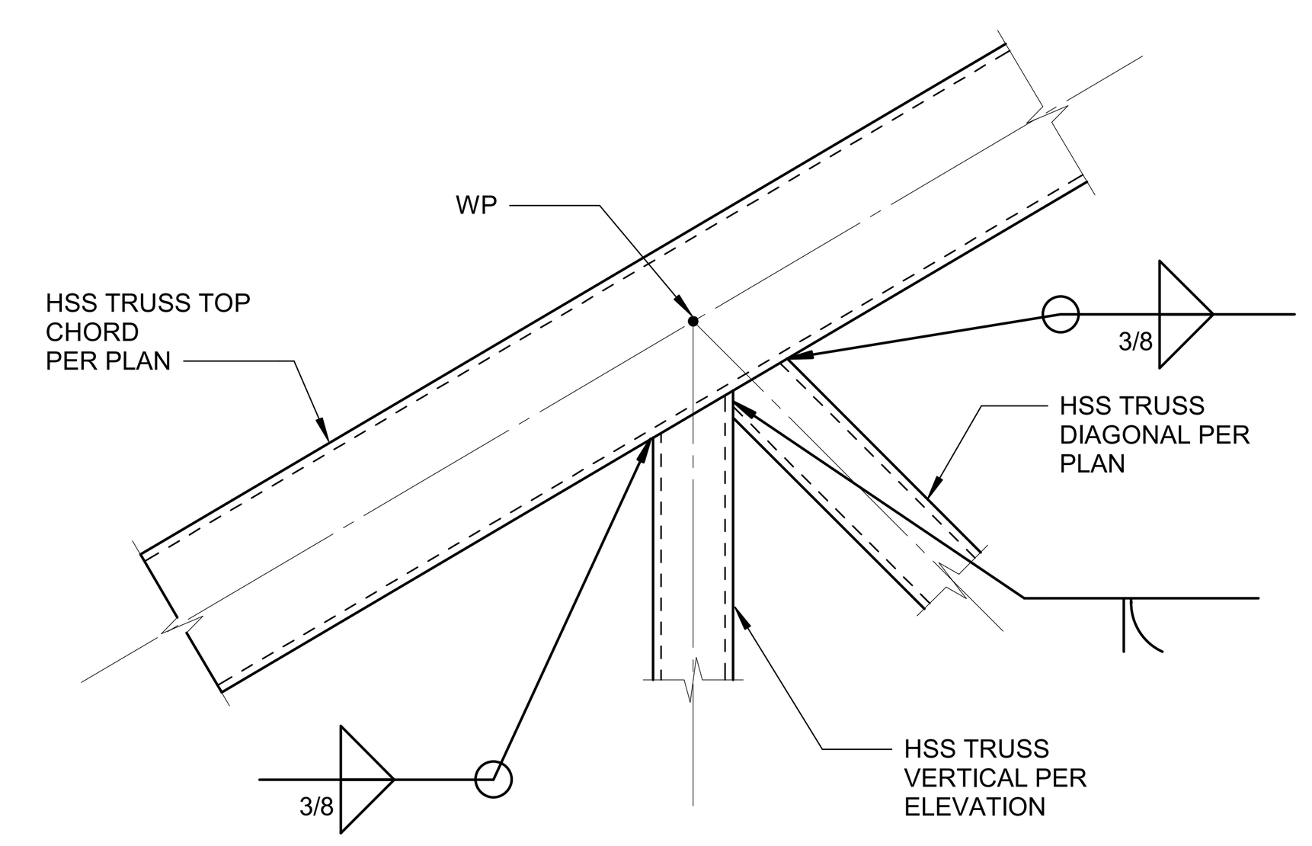
1. BOTTOM CHORD TO FULLY BEAR ON SHIM PLATES.

11C TRUSS TO PILE CAP CONNECTION

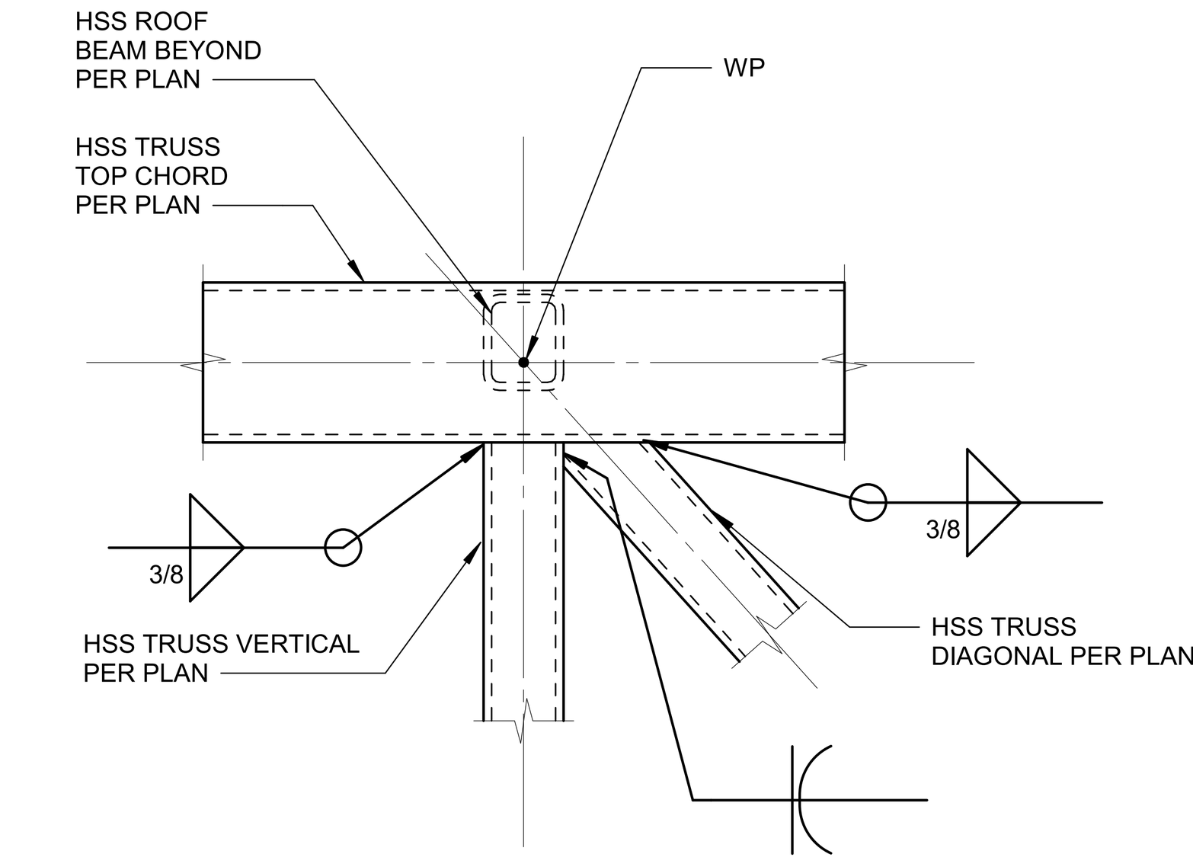
11 DETAIL
SCALE : 1 1/2" = 1'-0"



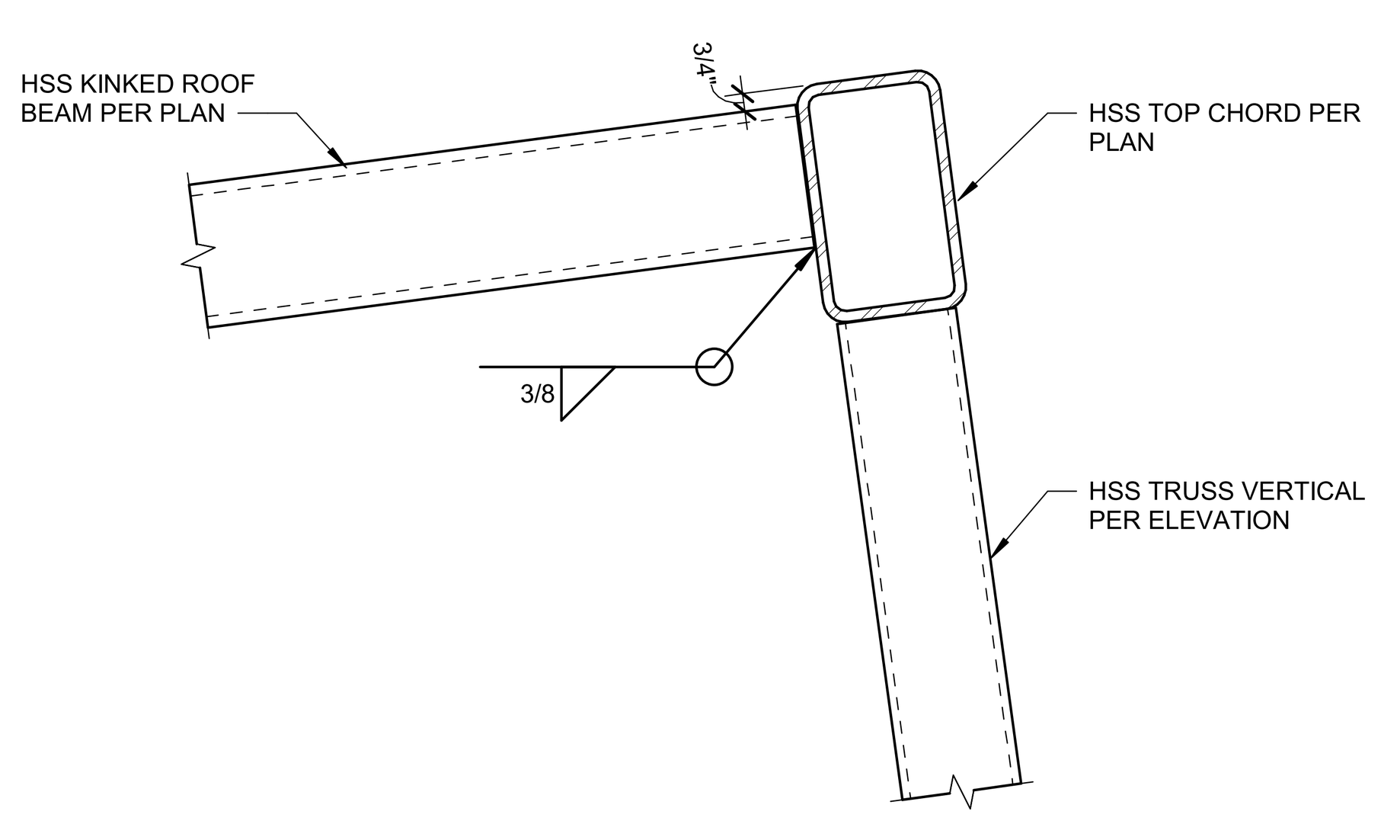
9 HSS SPLICE
SCALE : 1" = 1'-0"



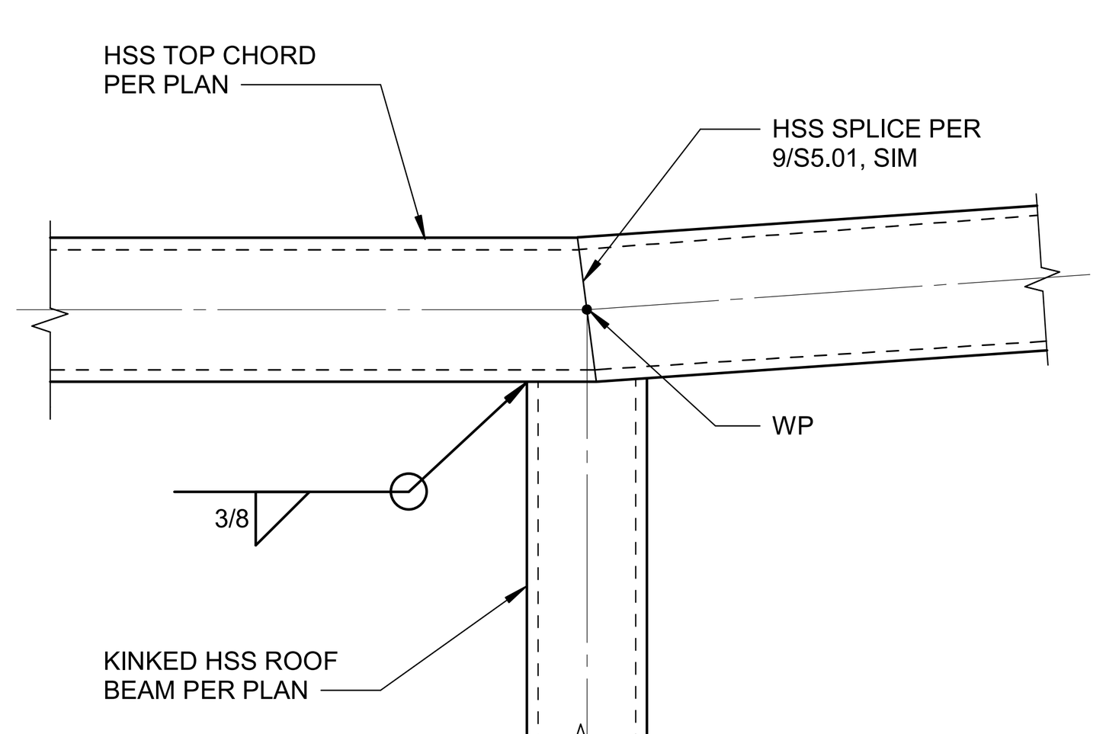
5 CONNECTION DETAIL
SCALE : 1" = 1'-0"



2A DETAIL

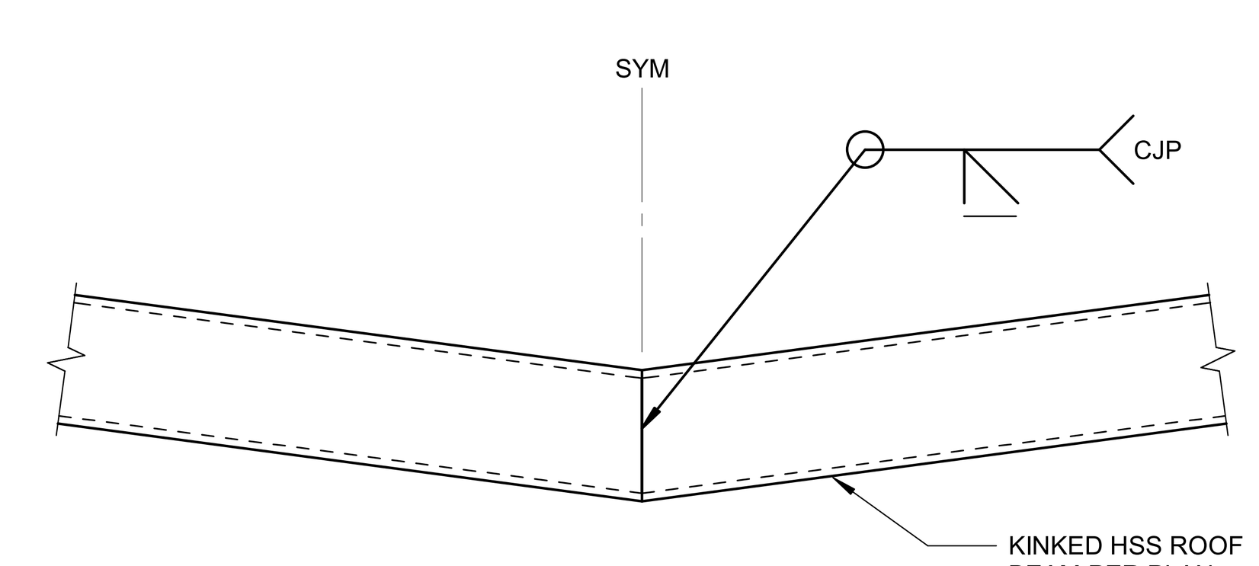


12 ROOF BEAM CONNECTION
SCALE : 1 1/2" = 1'-0"

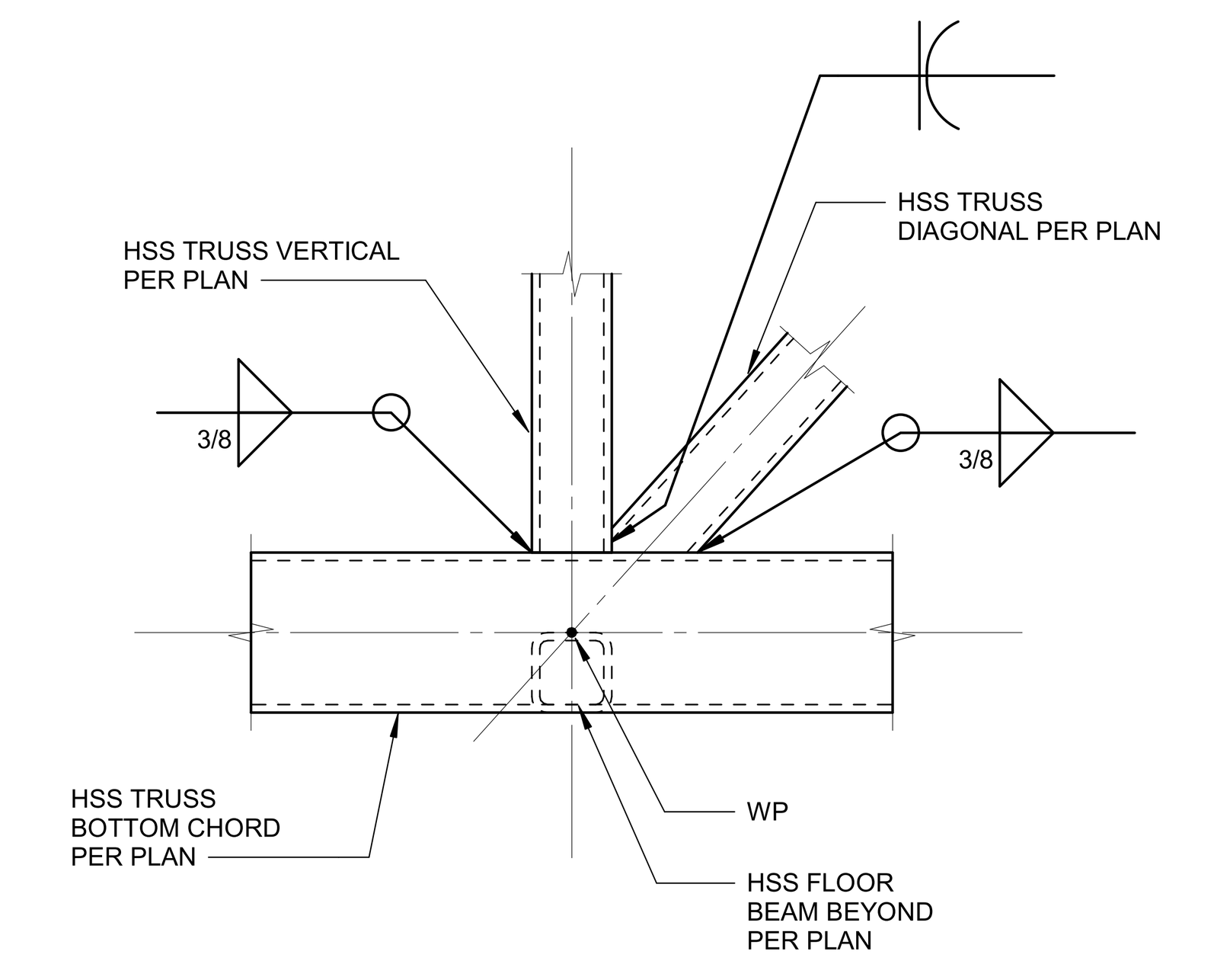


PLAN VIEW

10 ROOF BEAM CONNECTION AT SLOPED TOP CHORD
SCALE : 1 1/2" = 1'-0"



6 KINKED HSS ROOF BEAM
SCALE : 1" = 1'-0"



2B DETAIL

2 CONNECTION DETAIL
SCALE : 1" = 1'-0"

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STEEL DETAILS

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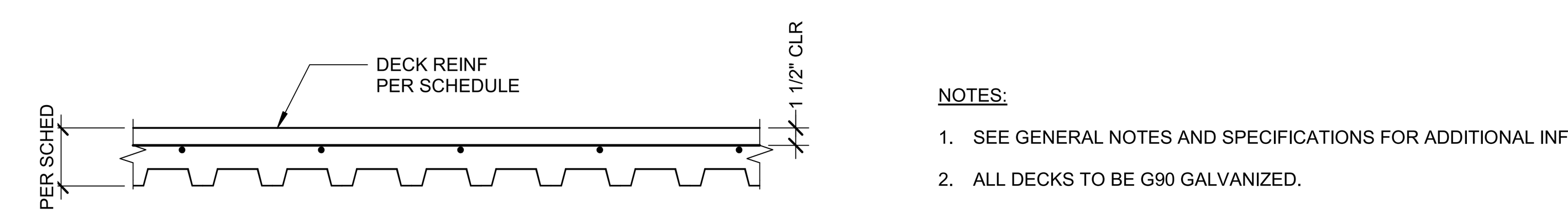
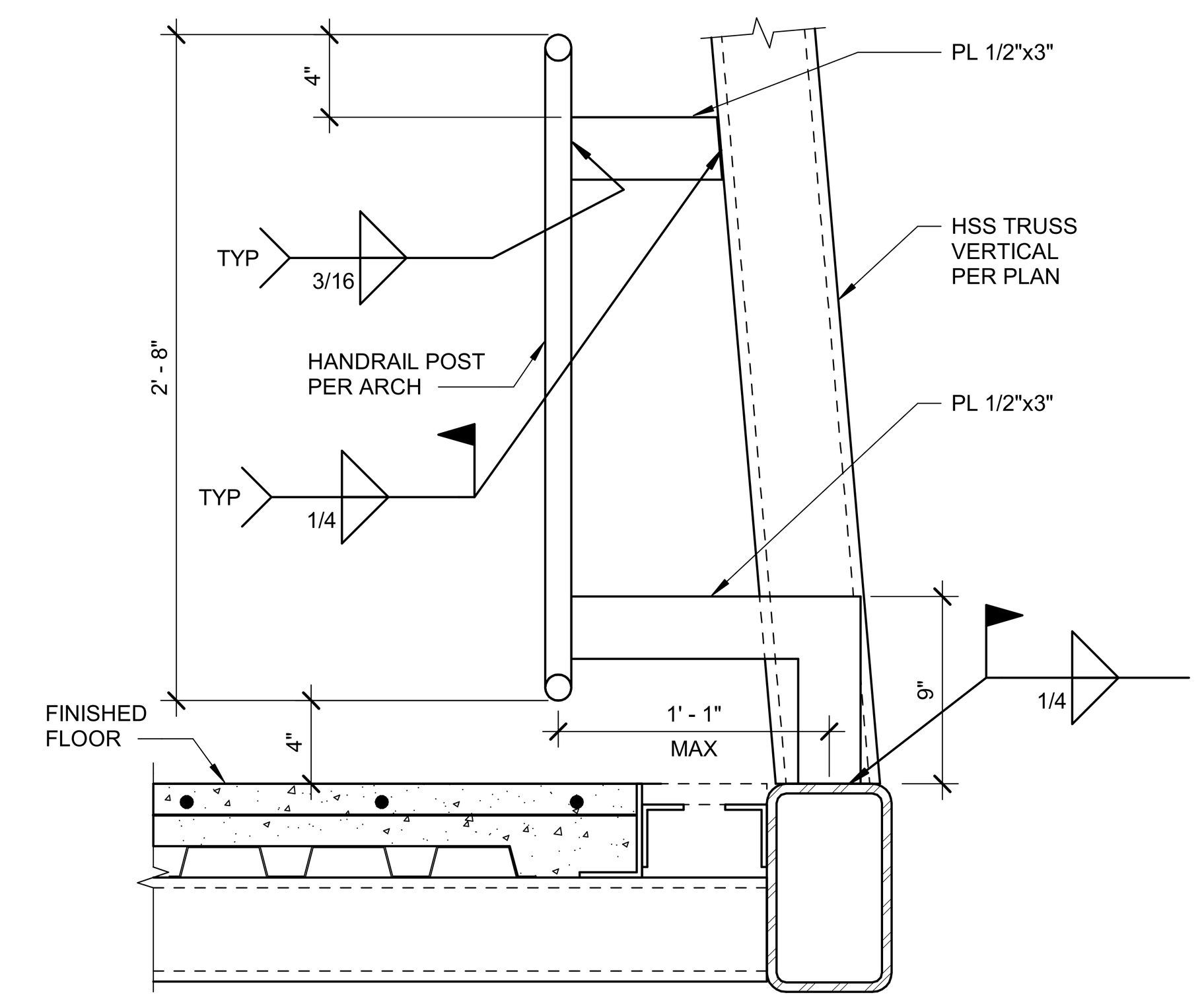
STEEL DECK TYPE	GAGE	TOTAL THICKNESS (t)	CONC TYPE	REINFORCING	STEEL DECK WELDING PATTERN			MAX UNSHORED SPAN		
					END SUPPORT	INTERMEDIATE SUPPORT	SEAM	SINGLE SPAN	DOUBLE SPAN	TRIPLE SPAN
PLB	18	5"	f'c = 4000 psi N. WT.	#4 @ 12" OC EW	3/4"ø PUDDLE WELD W/ 36/4 WELD PATTERN	3/4"ø PUDDLE WELD W/ 36/4 WELD PATTERN	BUTTON PUNCH @ 36" OC	NOT ALLOWED	9' - 0"	9' - 0"



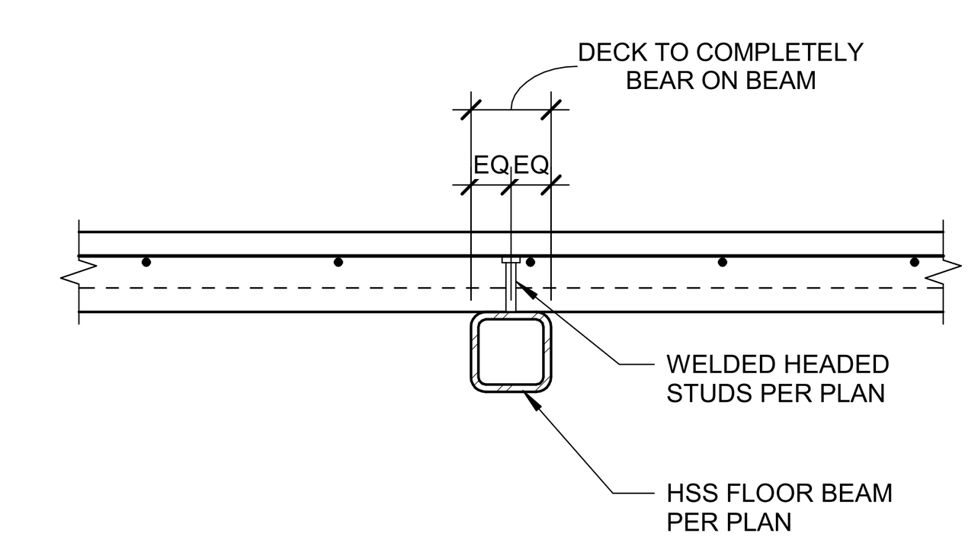
NOTES:

1. SEE GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. ALL DECKS TO BE G90 GALVANIZED.

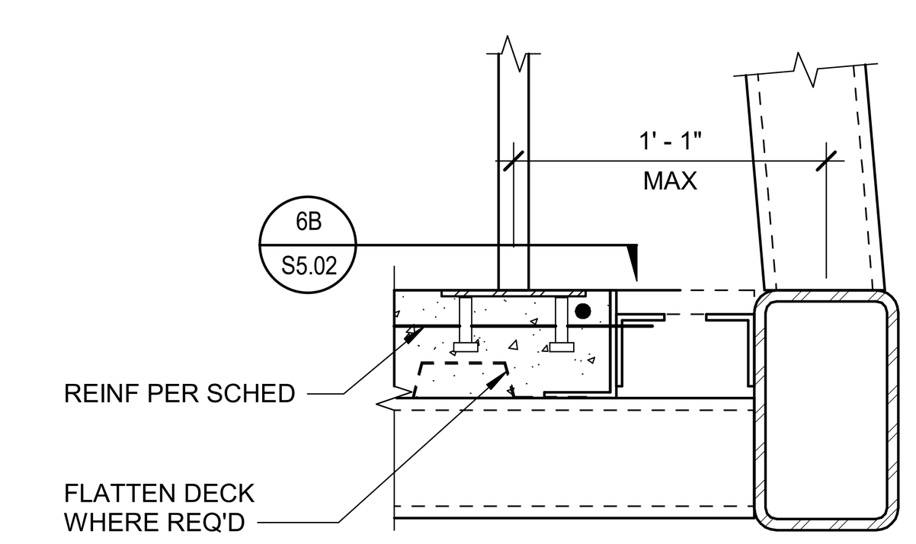
1 STEEL DECK SCHEDULE
SCALE : 1" = 1'-0"



5 ALTERNATE HANDRAIL CONNECTION TO TRUSS
SCALE : 1 1/2" = 1'-0"



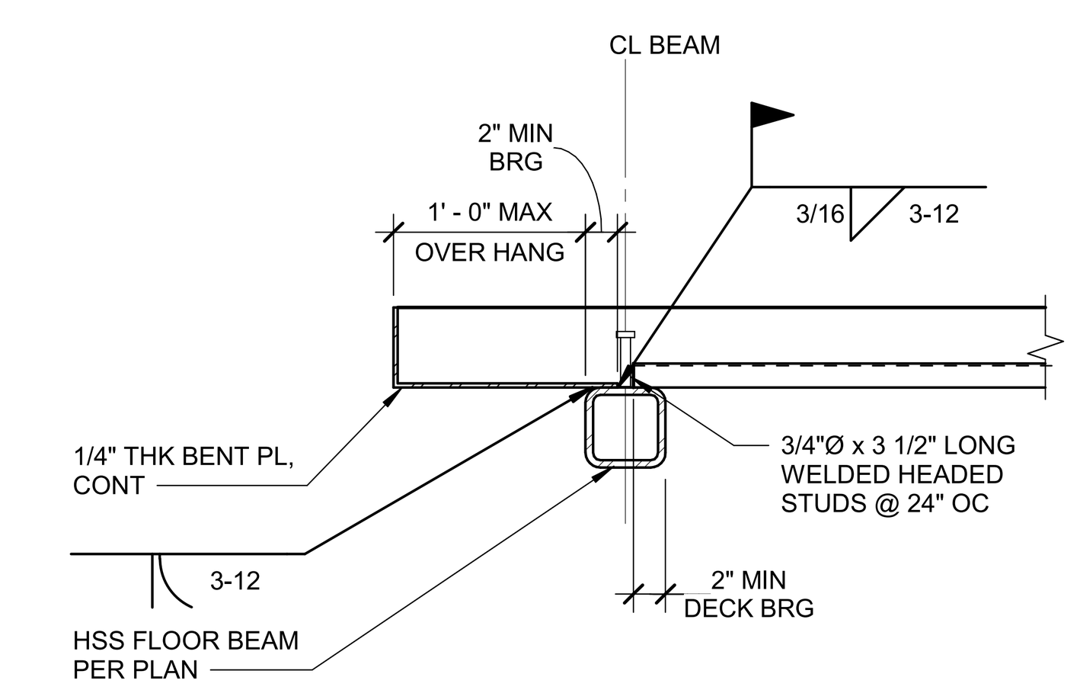
2 DECK ALIGNMENT / BEARING
SCALE : 1" = 1'-0"



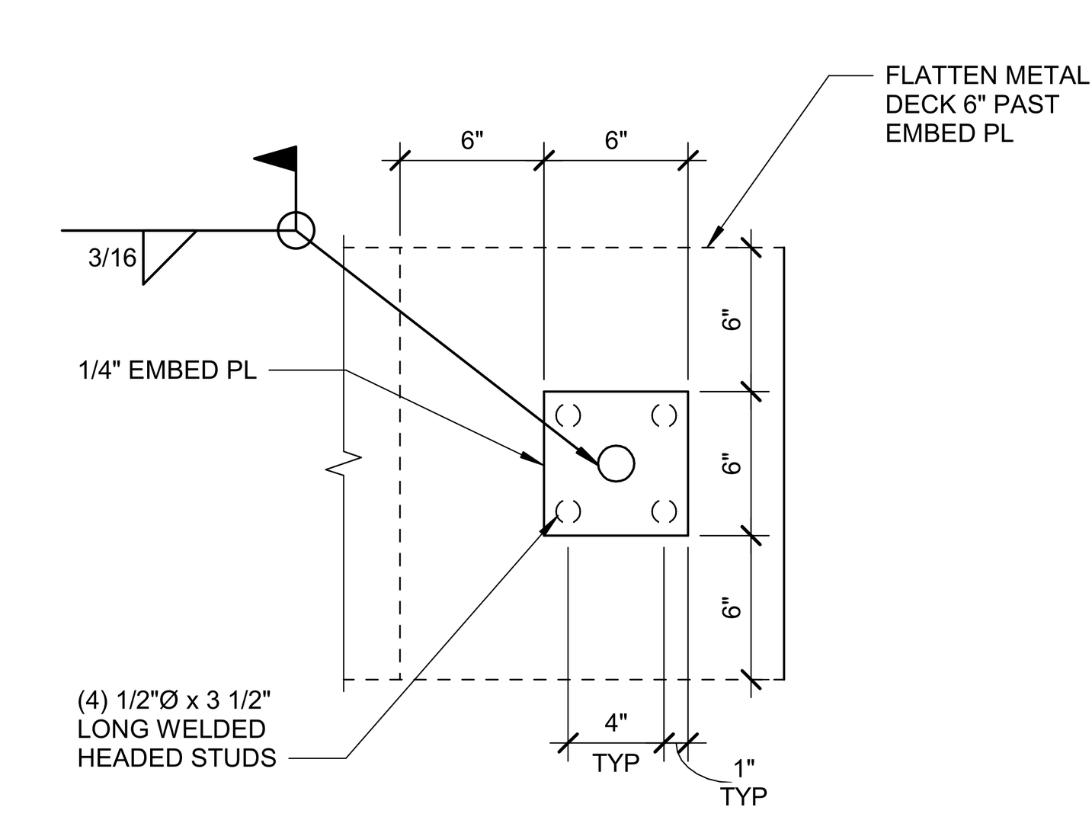
NOTES:

1. SEE 7/S5.01 FOR INFORMATION NOT SHOWN.

6A SECTION



3 EDGE OF DECK SUPPORT AT BRIDGE ENDS
SCALE : 1" = 1'-0"

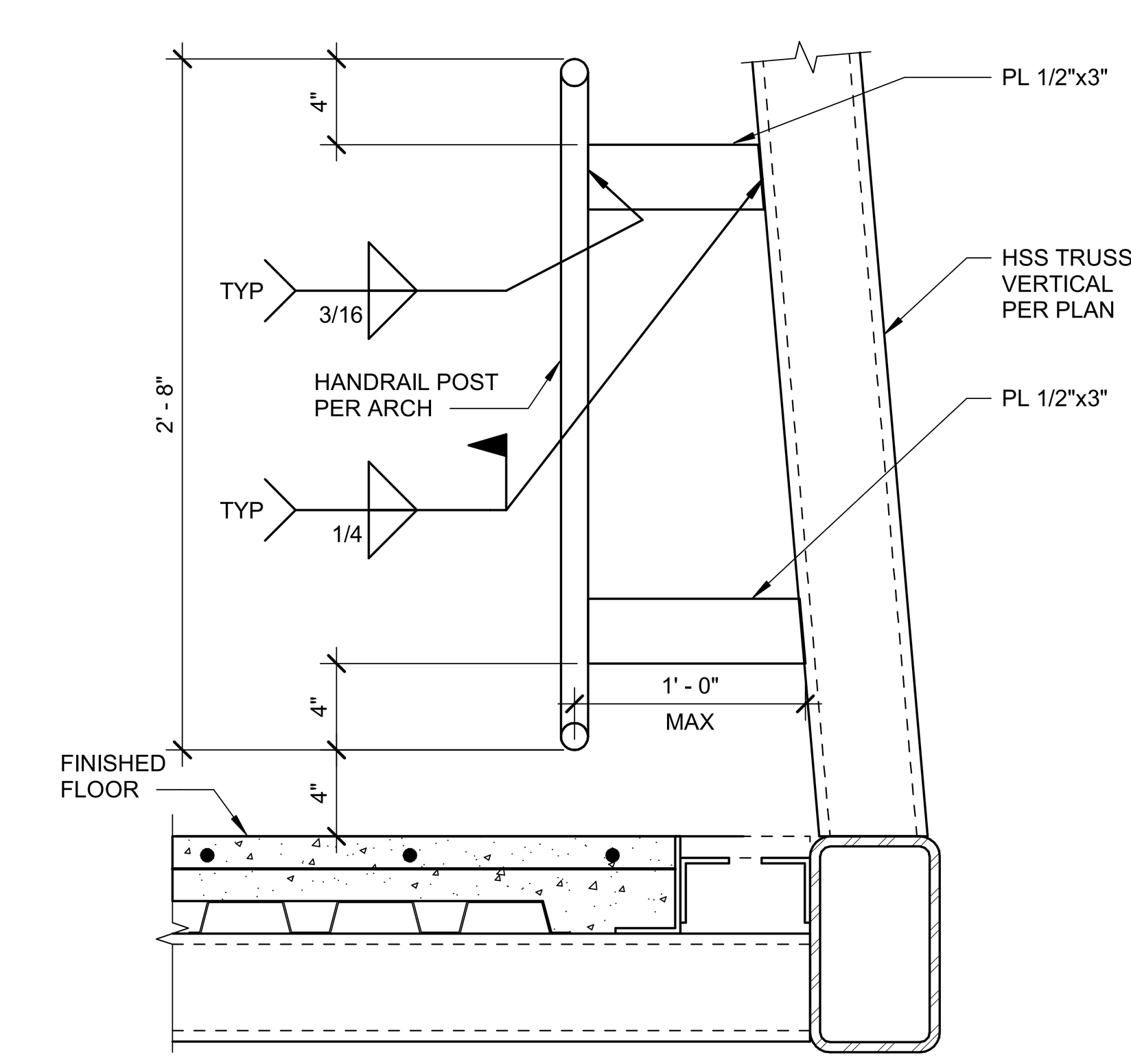


6B PLAN VIEW

NOTES:

1. EMBED PL TO BE INSTALLED PRIOR TO POURING CONCRETE. WET SET IS NOT PERMITTED

6 ANCHORAGE AT CANTILEVER HAND RAIL POST
SCALE : 1 1/2" = 1'-0"



4 HANDRAIL CONNECTION TO TRUSS VERTICAL
SCALE : 1 1/2" = 1'-0"

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STEEL DETAILS

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GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO 2016 CBC STATE ELECTRICAL CODES. CODES ENFORCED BY THE AUTHORITY HAVING JURISDICTION AND DSA REQUIREMENTS. ALL ELECTRICAL MATERIAL AND EQUIPMENT SHALL BE UL LISTED.
2. MINIMUM WIRE SIZE FOR LINE VOLTAGE WIRING SHALL BE #12 AWG, 600 VOLT "THHW" OR "THHN" INSULATION, COPPER CONDUCTORS. WIRING FOR SIGNAL AND FIRE ALARM SYSTEMS SHALL BE AS NOTED ON THE DRAWINGS.
3. ALL CONDUIT SIZES SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE FOR CONDUIT FILL.
4. THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO CCR, TITLE 24, 2016 CBC SECTION 1632A AND TABLE 16A–0.
5. ALL CONDUIT, WIRE, DEVICES, AND BOXES ARE NEW UNLESS NOTED OTHERWISE.
6. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AT THE JOB SITE PRIOR TO SUBMITTING BID.
7. CONTRACTOR SHALL FURNISH AND INSTALL COMPLETE SYSTEMS AT THE SITE. THE SYSTEMS SHALL INCLUDE; ALL EQUIPMENT, CONDUIT CABLE, WIRE AND ALL NECESSARY ITEMS FOR THE SYSTEM TO BE OPERABLE.
8. PATCH ALL EXISTING WALLS AS NECESSARY. MATERIAL, WORKMANSHIP AND FINISH SHALL MATCH EXISTING.
9. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS WHICH ARE REQUIRED FOR THE ELECTRICAL WORK BY LEGALLY CONSTITUTED AUTHORITIES, AND SHALL DELIVER ALL CERTIFICATES TO THE DISTRICTS FACILITIES BRANCH BEFORE THE WORK IS STARTED.
10. ALL RUNS OF CONDUIT ONLY SHALL HAVE AN IDEAL CAT. #31–343 "POWER–FISH" PULL LINE INSTALLED.
11. THE DRAWINGS INDICATE THE ELECTRICAL WORK WHICH IS TO BE IN PLACE WHEN THE WORK IS COMPLETE.
12. NO CABLE SHALL BE INSTALLED PRIOR TO THE INSPECTION AND ACCEPTANCE OF A COMPLETED CONDUIT SYSTEM.
13. EXISTING CIRCUITS, CONDUIT RUNS AND OUTLET LOCATION HAVE BEEN DEVELOPED FROM THE BEST INFORMATION AVAILABLE TO THE DISTRICT AT THE TIME THE DRAWINGS WERE PREPARED. THE DISTRICT PROVIDES THIS ONLY AS A GENERAL GUIDELINE FOR THE CONVENIENCE OF BUILDERS/CONTRACTORS AND DOES NOT GUARANTEE OR WARRANT IN ANY WAY EXPRESSLY OR IMPLIED THE ACCURACY OF THESE REPRESENTATIONS. NOTHING IN THE DISCLAIMER AFFECTS THE CONTRACTORS RESPONSIBILITY TO PROVIDE ACCURATE "AS–BUILT" DRAWINGS AFTER THE COMPLETION OF THE CONTRACT.
14. AT NO TIME DURING CONSTRUCTION AND INSTALLATION MODIFICATION OF THE FIRE ALARM SYSTEM SHALL THE SCHOOL BE WITHOUT AN OPERATIONAL FIRE ALARM SYSTEM WHEN CHILDREN ARE ON CAMPUS. CHANGE OVERS MUST BE DONE AFTER SCHOOL OR ON THE WEEKENDS. THE CONTRACTOR SHALL NOTIFY THE SCHOOL SITE PERSONAL AND THE MAINTENANCE OFFICE 48 HOURS PRIOR TO ANY DISCONNECTION OR CHANGE OVER OF THE FIRE ALARM SYSTEM, OR A FIRE WATCH WILL BE REQUIRED. CBC CHAPTER 34 AND CHAPTER 14 CFC.
15. THE TERM "PULL" USED ON THE DRAWINGS SHALL BE CONSIDERED TO MEAN "FURNISH, INSTALL AND CONNECT".
16. ALL EQUIPMENT SHALL BE LISTED BY AN APPROVED TESTING AGENCY PER SPECIFICATIONS. IN ADDITION, ALL FIRE ALARM AND DETECTION EQUIPMENT SHALL BE LISTED BY THE CALIFORNIA STATE FIRE MARSHAL (CSFM).
17. ALL NEW CONDUITS INSTALLED UNDER THIS SECTION OF WORK SHALL BE 3/4 INCH MINIMUM SIZE, EXCEPT "WHIPS" TO FLUORESCENT FIXTURES IN SUSPENDED CEILING. FIXTURE "WHIPS" MAY BE 1/2" CONDUIT TO FLUORESCENT FIXTURES IN SUSPENDED CEILING.
18. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PATCH AND REPAIR ALL DAMAGE TO EXISTING FINISHES. THE AREAS OF WORK SHALL BE REPAIRED TO THE FINISH EXISTING PRIOR TO THE COMMENCEMENT OF WORK.
19. CONTRACTOR SHALL INSTALL NEW BLANK PLATES ON ALL EXISTING FLUSH OUTLETS THAT ARE ABANDONED IN PLACE. CONTRACTOR SHALL VERIFY LOCATION OF ALL ABANDONED OUTLETS AND SHALL INSTALL NEW PLATES ON ALL – EVEN THOSE NOT INDICATED OR NOTED SPECIFICALLY ON THE DRAWINGS.
20. ALL NEW OUTLETS (FOR RECEPTACLES, SWITCHES, J–BOXES, ETC.) INSTALLED IN EXISTING WALLS SHALL BE "CUT–IN" TYPE BOXES WITH FLEXIBLE CONDUIT "FISHED" INTO WALL CAVITY FROM CEILING SPACE ABOVE. ON EXISTING MASONRY WALLS (OR OTHER INACCESSIBLE TYPE WALLS) NEW OUTLETS SHALL BE SURFACE RACEWAY TYPE WITH EXPOSED SURFACE RACEWAY (WIREMOLD) OF APPROPRIATE SIZE. OBTAIN ARCHITECTS APPROVAL FOR ALL SURFACE RACEWAY LOCATIONS.
21. PLUG ALL KNOCK–OUTS WHERE CONDUITS ARE REMOVED FROM EXISTING BOXES, PANELS, SWITCHBOARDS, ENCLOSURES, ETC.
22. WHERE HVAC AND PLUMBING EQUIPMENT IS SHOWN ON ELECTRICAL DRAWINGS, IT IS FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS FOR EXACT SIZE, LOCATION, CONNECTIONS, ETC. OF ALL EQUIPMENT. ALL WORK DESIGNATED AS "ELECTRICAL" ON MECHANICAL/ PLUMBING DRAWINGS SHALL BE DONE AS IF SHOWN ON THESE PLANS. VERIFY ALL LOCATIONS OF MECHANICAL EQUIPMENT WITH APPROPRIATE CONTRACTORS.
23. THE CONTRACTOR IS RESPONSIBLE FOR SEALING ALL FIRE RATED PENETRATIONS WHETHER INDICATED OR NOT.
24. IF THE CONTRACTOR BELIEVES THAT THERE ARE CONFLICTS WITHIN THESE ELECTRICAL DRAWINGS OR BETWEEN THE ELECTRICAL DRAWINGS AND THE SPECIFICATIONS, OR BETWEEN THE ELECTRICAL DRAWINGS AND ANY MECHANICAL, ARCHITECTURAL, PLUMBING OR STRUCTURAL DRAWING, BID THE MORE EXPENSIVE OR ELABORATE PROCESS OR PROCEDURE SHOWN AND CALL THE DISCREPANCY TO THE ARCHITECT'S ATTENTION. SHOULD THE DISTRICT, IN ITS DISCRETION, CHOOSE TO IMPLEMENT THE CHEAPER OR SIMPLER PROCEDURE AFTER BID OPENING, A CREDIT CHANGE ORDER WILL BE ISSUED TO THE CONTRACTOR.
25. INSTALL ALL CONDUIT BUSHINGS PRIOR TO INSTALLATION OF ANY CONDUCTORS, SEE NOTE #12.
26. THE CONTRACTOR SHALL CAREFULLY REVIEW THE SPECIFICATIONS AS THEY PERTAIN TO RIGID CONDUIT. THE SPECIFICATION REQUIREMENTS ARE VERY STRINGENT AND SUBSTANTIALLY EXCEED MINIMUM CODE REQUIREMENTS. NO DEVIATIONS WILL BE ALLOWED WHERE RIGID CONDUIT IS CALLED FOR.
27. UPON COMPLETION OF THE ELECTRICAL INSTALLATION, PATCH AND PAINT AS REQUIRED TO RESTORE WALLS AND SURFACES TO NEW CONDITION.
28. ALL EXPOSED CONDUIT, PULLBOXES, OUTLET BOXES, ETC. SHALL BE PAINTED TO MATCH SURROUNDING SURFACE. COORDINATE WITH ARCHITECT. REFER TO SPECIFICATION SECTION 099000.
29. ALL DEMOLITION SHALL COMPLY WITH CH. 34 CBC AND CHAPTER 14 CFC.
30. MOUNTING HEIGHT OF ACCESSIBLE ELECTRICAL OUTLETS SHALL BE MINIMUM 15" MEASURED TO THE BOTTOM OF THE OUTLET BOX AND 48" MAXIMUM MEASURED TO THE TOP OF THE OUTLET BOX. – SEE DETAIL A/E0.01

EQUIPMENT ANCHORAGE NOTES

1. ALL MECHANICAL AND ELECTRICAL EQUIPMENT SHALL BE BRACED OF ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA PER 2016 CBC, AND ASCE 07–10

$$Fp = \frac{.4ap\ S_{DS}\ Wp}{(Rp/Ip)} \quad (1+S\frac{Z}{h}) = 1.19Wp$$

WHERE:
Fp = HORIZONTAL SEISMIC FORCE AT STRENGTH LOAD LEVEL 1.0E
ap = 2.5 FOR FLEXIBLE EQUIPMENT, INCLUDING EQUIP. ON VIBRATION ISOLATORS
S_{DS} = 1.58
Ip = 1.5
Rp = 6
h = HEIGHT OF EQUIPMENT ATTACHMENT ABOVE GRADE
Wp = WEIGHT OF EQUIPMENT

2. Fp SHALL NOT BE LESS THAN $.3S_{DS}$ Ip Wp = 0.71 Wp
   Fp NEED NOT EXCEED $1.6S_{DS}$ Ip Wp = 3.79 Wp
3. ANCHORS MUST MEET REQUIREMENTS OF 2016 CBC SECTION 1616A.1.19.
4. FOR LOAD COMBINATIONS, SEE 2016 CBC.
5. ALL EQUIPMENT SHALL BE DESIGNED FOR A SIMULTANEOUS VERTICAL SEISMIC FORCE EQUAL TO + .20 S Wp = 0.32 Wp
6. ANCHORAGE OF EQUIPMENT SHALL BE PER 2016 CBC AND ASCE 07–10, TABLE 13.6–1 AND SECTION $13.6._{ps}$

SYMBOL LIST

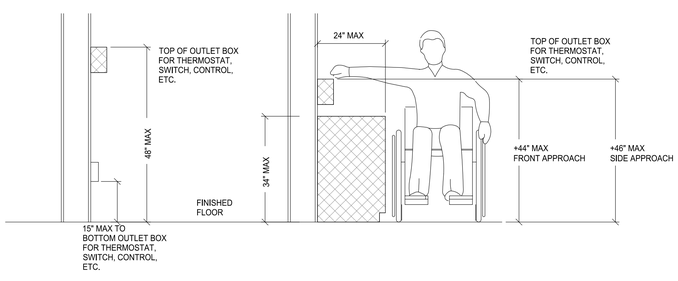
- DASHED SYMBOL INDICATES EXISTING FIXTURE, OUTLET, DEVICE OR EQUIPMENT TO BE REMOVED.
- FINE–LINED SYMBOL INDICATES EXISTING FIXTURE, OUTLET, DEVICE OR EQUIPMENT TO REMAIN.
- EX — EXISTING CONDUIT TO BE REUSED.
- R — EXISTING CONDUIT TO BE REMOVED IF IN AN ACCESSIBLE AREA OR TO BE ABANDONED IF IN AN INACCESSIBLE AREA.
- A — FIXTURE TYPE AND WATTAGE PER FIXTURE LIST. TYPICAL FOR ROOM INDICATED UNLESS OTHERWISE NOTED.
- INDICATES CONTROLLING SWITCH LEG.
- 11a — DENOTES BRANCH CIRCUIT NUMBER SUPPLYING FIXTURE.
- RECESSED MOUNTED FLUORESCENT LIGHTING FIXTURE.
- DUPLEX RECEPTACLE, MOUNTED AT +15" TO BOTTOM U.O.N.
- DUPLEX RECEPTACLE, GFI PROTECTION AT +15" TO BOTTOM U.O.N.
- DOUBLE DUPLEX GFI RECEPTACLE MOUNTED AT +15" TO BOTTOM U.O.N.
- DOUBLE DUPLEX RECEPTACLE, MOUNTED AT +15" TO BOTTOM U.O.N.

  SEE A/E0.01
- 2 — FLEXIBLE CONDUIT "FISH" DOWN PARTITION WALL FROM ACCESSIBLE CEILING SPACE TO DEVICE AS INDICATED. DEVICE IS AS INDICATED ON THE PLANS.
- FLUSH MOUNTED PANELBOARD.
- SURFACE MOUNTED PANELBOARD.
- SURFACE MOUNTED CABINET, AS NOTED.
- FLUSH MOUNTED CABINET, AS NOTED.
- N — NON–FUSED DISCONNECT SWITCH. SIZE AS NOTED. (NFDS)
- F — FUSED DISCONNECT SWITCH. SIZE AS NOTED. (FDS)
- J — CODE SIZE JUNCTION BOX. 5/S OR LARGER IF REQUIRED FOR NUMBER/SIZE OF CONDUCTORS.
- PULL BOX WITH SCREW COVER, SIZE AS NOTED.
- A–1,3 — HOMERUN TO INDICATED PANELBOARD ("A"). NUMBERS (1,3) INDICATE BRANCH CIRCUIT NUMBERS.
- 3/4"–3#8+1#10 EG — INDICATES 3/4" CONDUIT WITH 3 NUMBER 8 CONDUCTORS + 1 NUMBER 10 EQUIPMENT GROUND.
- 3/4"–3#10+3#10(IN)+1#10 EG — INDICATES 3/4" CONDUIT WITH 3 NUMBER 10 PHASE CONDUCTORS PLUS 3 NUMBER 10 INDIVIDUAL NEUTRAL CONDUCTORS PLUS 1 NUMBER 10 EQUIPMENT GROUND.
- (2) 3" 3–500KCM+1#1/0 EG — INDICATES TWO (2) 3" CONDUITS WITH THREE (3) 500 kcmil CONDUCTORS PLUS ONE (1) NUMBER 1/0 EQUIPMENT GROUNDING CONDUCTOR IN EACH CONDUIT.
- 3/4" CONDUIT WITH 2#12 CONDUCTORS PLUS 1#12 E.G. CONDUCTOR
- 3/4" CONDUIT WITH 3#12 CONDUCTORS PLUS 1#12 E.G. CONDUCTOR
- 3/4" CONDUIT WITH 4#12 CONDUCTORS PLUS 1#12 E.G. CONDUCTOR
- 3/4" CONDUIT WITH 5#12 CONDUCTORS PLUS 1#12 E.G. CONDUCTOR
- 3/4" CONDUIT WITH 6#12 CONDUCTORS PLUS 1#12 E.G. CONDUCTOR
- 3/4" CONDUIT WITH 7#12 CONDUCTORS PLUS 1#12 E.G. CONDUCTOR
- 1" CONDUIT WITH 8#12 CONDUCTORS PLUS 1#12 E.G. CONDUCTOR
- #10 — THE NUMBER "10" OR "8" ADJACENT TO THE HASH MARK IN ANY CONDUIT RUN INDICATES #10 (OR #8) CONDUCTORS IN LIEU OF #12 CONDUCTORS. INCREASE CONDUIT SIZE TO ACCOMMODATE QUANTITY OF #10 (OR #8) CONDUCTORS INDICATED. EQUIPMENT GROUND CONDUCTOR SIZE SHALL ALSO INCREASE TO #10 (FOR #10 OR #8 CIRCUIT CONDUCTORS)
- S — SPEAKER MOUNTED IN CEILING. REFER TO SPEAKER SCHEDULES FOR SPEAKER TYPE.
- S — SPEAKER MOUNTED ON WALL AT HEIGHT INDICATED. REFER TO SPEAKER SCHEDULES FOR SPEAKER TYPE.
- A — SECURITY SYSTEM SENSOR
- WAP — WIRELESS ACCESS POINT.
- COMBINATION VOICE AND DATA OUTLET INSTALLED IN A FLUSH OUTLET BOX.
- 2 — DATA OUTLET INSTALLED IN A FLUSH OUTLET BOX. NUMBER INDICATES QUANTITY OF JACKS
- VOICE OUTLET INSTALLED IN A FLUSH OUTLET BOX. INSTALL VOICE JACK(S) TO MEET THE SPECIFICATIONS AT EACH LOCATION.
- TV — TELEVISION OUTLET – VERIFY EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS
- AC 2 — MECHANICAL EQUIPMENT REFERENCE.
- CONDUIT CONCEALED IN WALL OR CEILING SPACE.
- CONDUIT CONCEALED UNDERGROUND.
- CONDUIT INSTALLED EXPOSED.
- FLEXIBLE METAL CONDUIT. INSTALL REQUIRED BRANCH CIRCUIT CONDUCTORS AND EQUIPMENT GROUND CONDUCTOR.
- 3/4" X 10'–0" ELECTROLYTIC GROUND ROD, U.O.N.
- 3/4" X 10'–0" ELECTROLYTIC GROUND ROD IN A YARD BOX.
- CURRENT TRANSFORMER, RATIO AS INDICATED.
- KWH — KILOWATT HOUR DEMAND METER.
- DISCONNECT SWITCH.
- LOW VOLTAGE CIRCUIT BREAKER.
- POWER TRANSFORMER.
- GROUND CONNECTION.
- 100A / 225A / 3P — TRIP SETTING; FRAME SIZE; NO. OF POLES
- 4 — ELECTRICAL NOTE REFERENCE
- C / E–5.0 — INDICATES DETAIL "C" ON SHEET 0E–5.0

A, AMP	AMPERE
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
C.O.	CONDUIT ONLY
EA.	EACH
EG	EQUIPMENT GROUND
EX	EXISTING
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FIB. OP.	FIBER OPTIC
GFI	GROUND–FAULT INTERRUPTER
GWP	GLENDALE WATER & POWER
IACP	INTRUSION ALARM CONTROL PANEL
IDF	INTERMEDIATE DISTRIBUTION FRAME
MDF	MAIN DISTRIBUTION FRAME
LAN	LOCAL AREA NETWORK
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
SCE	SOUTHERN CALIFORNIA EDISON
TYP	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
WP	WEATHERPROOF
+48"	MOUNTING HEIGHT ABOVE FINISHED FLOOR TO CENTER OF DEVICE.

ELECTRICAL SHEET INDEX

1. E0.01 – SYMBOL LIST, ABBREVIATIONS, NOTES
2. E0.02 – LIGHTING FIXTURE LIST, ELECTRICAL DETAILS
3. E1.01 – SITE PLAN – ELECTRICAL
4. E1.02 – ENLARGED SITE PLANS – ELECTRICAL
5. E1.03 – SECTIONS & DETAILS – ELECTRICAL



ELECTRICAL DEVICE MOUNTING HEIGHT — A/E0.01
NO SCALE

BRANCH CIRCUIT VOLTAGE DROP TABLE

MAXIMUM BRANCH CIRCUIT LENGTH (ONE WAY) FOR VOLTAGE DROP LESS THAN 3%

NORMAL VOLTAGE	CIRCUIT RATING	WIRE SIZE (AWG)	MAX LENGTH (FT)	MAX LOAD (VA)	MAX LOAD (AMPS)	VOLTAGE DROP (%)
120 VOLTS	20 AMPS	12	100	1920	16	2.67
		10	180	1920	16	2.88
		8	275	1920	16	2.86
277 VOLTS	20 AMPS	12	250	4432	16	2.89
		10	400	4432	16	2.77
		8	625	4432	16	2.82

CONDUIT SIZING SCHEDULE

CONDUIT SIZE	AREA	40% FILL x 75%	ALLOWABLE FILL
3/4" DIAMETER CONDUIT	.53 S.I.	.53 S.I.	.159 S.I.
1" DIAMETER CONDUIT	.86 S.I.	.86 S.I.	.258 S.I.
1 1/4" DIAMETER CONDUIT	1.50 S.I.	1.50 S.I.	.450 S.I.
1 1/2" DIAMETER CONDUIT	2.04 S.I.	2.04 S.I.	.612 S.I.
2" DIAMETER CONDUIT	3.36 S.I.	3.36 S.I.	1.01 S.I.
2 1/2" DIAMETER CONDUIT	5.86 S.I.	5.86 S.I.	1.76 S.I.
3" DIAMETER CONDUIT	8.85 S.I.	8.85 S.I.	2.66 S.I.
3 1/2" DIAMETER CONDUIT	11.5 S.I.	11.5 S.I.	3.45 S.I.
4" DIAMETER CONDUIT	14.75 S.I.	14.75 S.I.	4.43 S.I.

WORKMANSHIP NOTES

1. AESTHETICS ARE A VERY IMPORTANT COMPONENT OF THIS PROJECT. INSTALLATION OF ALL ELECTRICAL WORK SHALL BE OF THE HIGHEST QUALITY AND CRAFTSMANSHIP POSSIBLE.
2. THE ELECTRICAL DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT MANY OFFSETS, BENDS, SPECIAL FITTINGS AND EXACT LOCATIONS ARE NOT INDICATED. THE CONTRACTOR SHALL CAREFULLY STUDY THE DRAWINGS AND PREMISES IN ORDER TO DETERMINE THE BEST METHODS, EXACT LOCATIONS, ROUTES, OBSTRUCTIONS, ETC. WHICH AFFECT HIS INSTALLATION. REFER TO SPECIFICATION SECTION 16000 FOR ADDITIONAL REQUIREMENTS.
3. ALL NEW CONDUIT SHALL BE INSTALLED CONCEALED IN WALLS, CEILINGS OR UNDERGROUND.
4. ANY EXPOSED CONDUITS/RACEWAYS THAT ARE ALLOWED SHALL BE INSTALLED IN LOCATIONS THAT ARE AS INCONSPICUOUS AS POSSIBLE, AND SHALL FOLLOW THE LINES OF THE STRUCTURE AS CLOSELY AS POSSIBLE. ALL EXPOSED CONDUITS, BOXES, ETC. SHALL BE PAINTED. REFER TO SPECIFICATION SECTION 099000.

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SYMBOL LIST, GENERAL NOTES

E0.01

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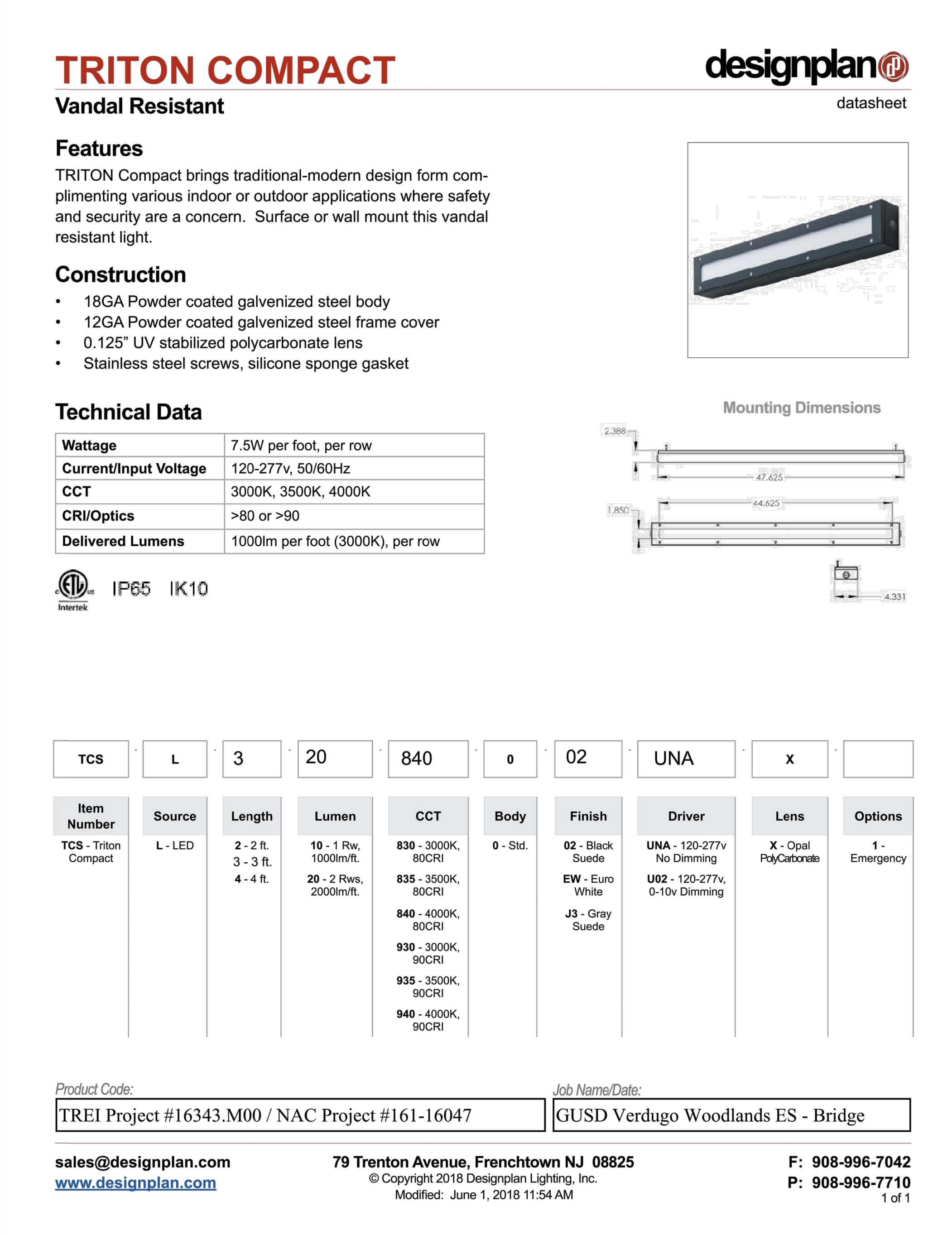
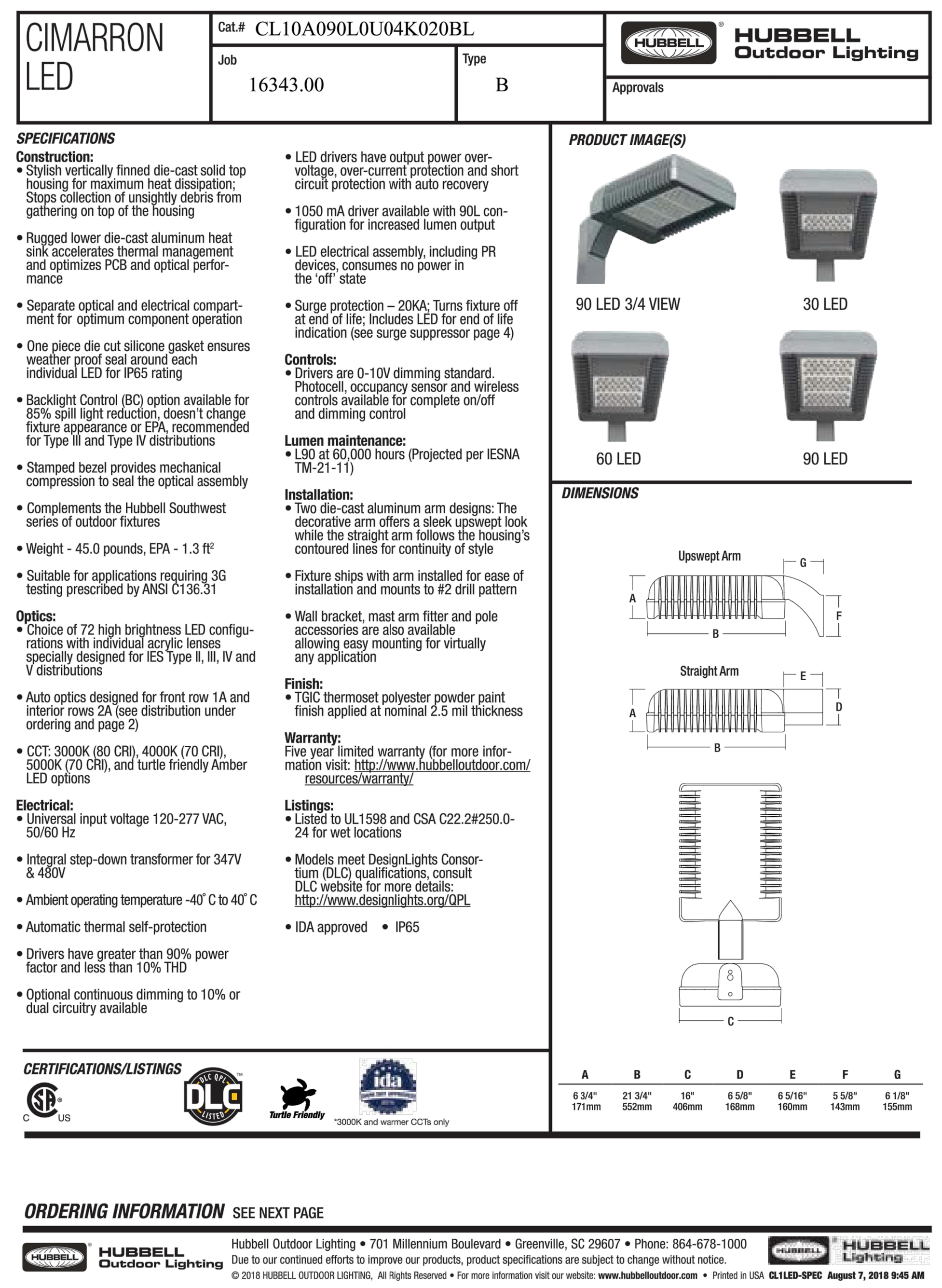


FIXTURE TYPE (A) (F / E0.02)

NO SCALE

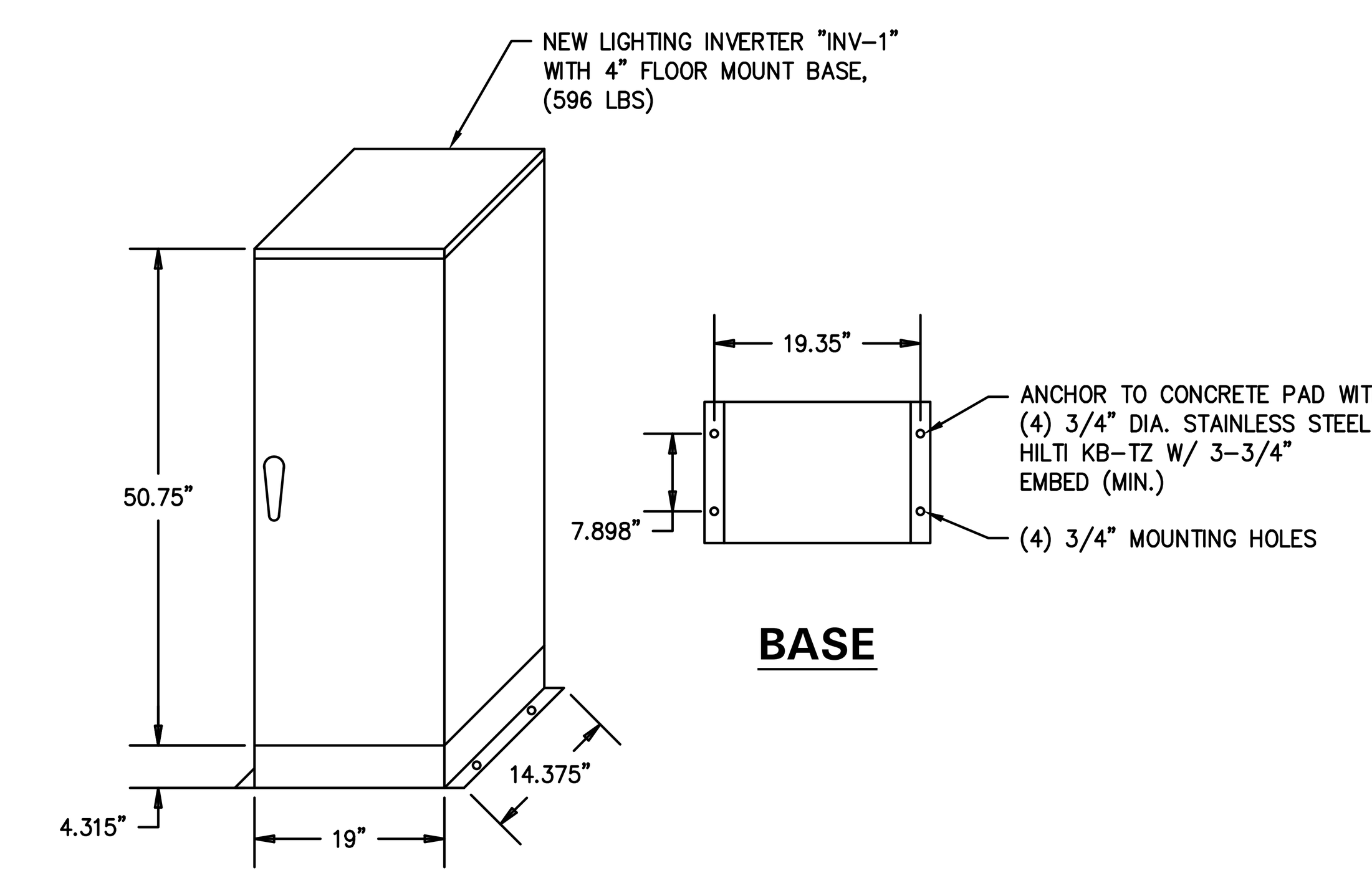


FIXTURE TYPE (B) (G / E0.02)

NO SCALE

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	MANUFACTURER AND CATALOG NUMBER (2)	LAMPS TYPE	LAMPS WATTS	LAMPS COLOR TEMP.	FIXTURE INPUT VOLTS	FIXTURE TOTAL INPUT WATTS	BALLAST OR DRIVER TYPE	MOUNTING	DESCRIPTION
(A)	DESIGN PLAN CAT. # TCS-L-3-20-840-0-02-UNA-X-SURFACE CONDUIT	LED	22.5	4000K	277V	22.5	LED	SURFACE – SEE A/E1.03 & B/E1.03	VANDAL RESISTANT, SURFACE MOUNTED LED FIXTURE; COMPLETE WITH 18GA POWDER COATED GALVANIZED STEEL BODY AND 0.125" POLYCARBONATE LENS MOUNTED IN A 12GA POWDER COATED GALVANIZED STEEL FRAME. FIXTURE SHALL BE IP65 RATED FOR WET LOCATIONS AND SHALL HAVE PROVISIONS FOR SURFACE MOUNTED CONDUIT ENTRY ON ONE END. – SEE F/E0.02
(B)	FIXTURE: HUBBELL CAT. # CL1-A-90L-U-4K-2-BL POLE: HUBBELL CAT. # SSS-H-50-B-2-S2-BL-UL	LED	205	4000K	277V	205	LED	POLE MOUNTED ON CONCRETE BASE – SEE STRUCT. DETAIL 7/S4.01 FOR CONCRETE BASE	POLE MOUNTED, LED AREA LIGHTING FIXTURE COMPLETE WITH STEEL POLE, DIE CAST ALUMINUM HOUSING, POWDER COAT PAINT FINISH AS NOTED. POLE SHALL BE 25 FEET HIGH, SQUARE STEEL, WITH POWDER COAT PAINT FINISH TO MATCH FIXTURE. – SEE G/E0.02

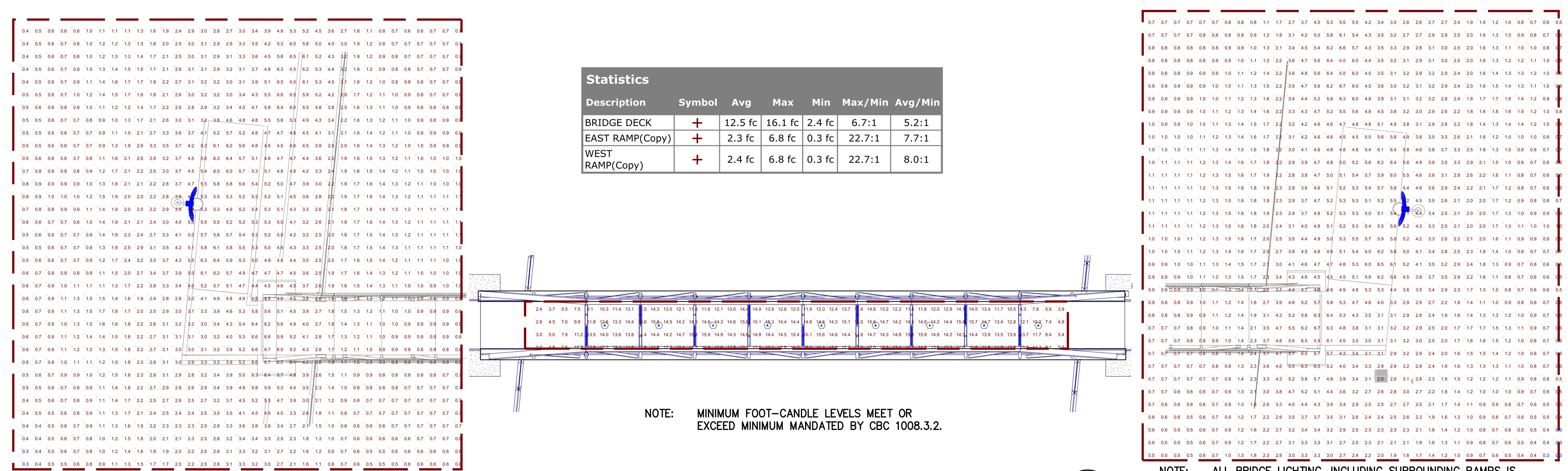


CENTRAL LIGHTING INVERTER MOUNTING (E / E0.02)

NO SCALE

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
BRIDGE DECK	+	12.5 fc	16.1 fc	2.4 fc	6.7:1	5.2:1
EAST RAMP(Copy)	+	2.3 fc	6.8 fc	0.3 fc	22.7:1	7.7:1
WEST RAMP(Copy)	+	2.4 fc	6.8 fc	0.3 fc	22.7:1	8.0:1

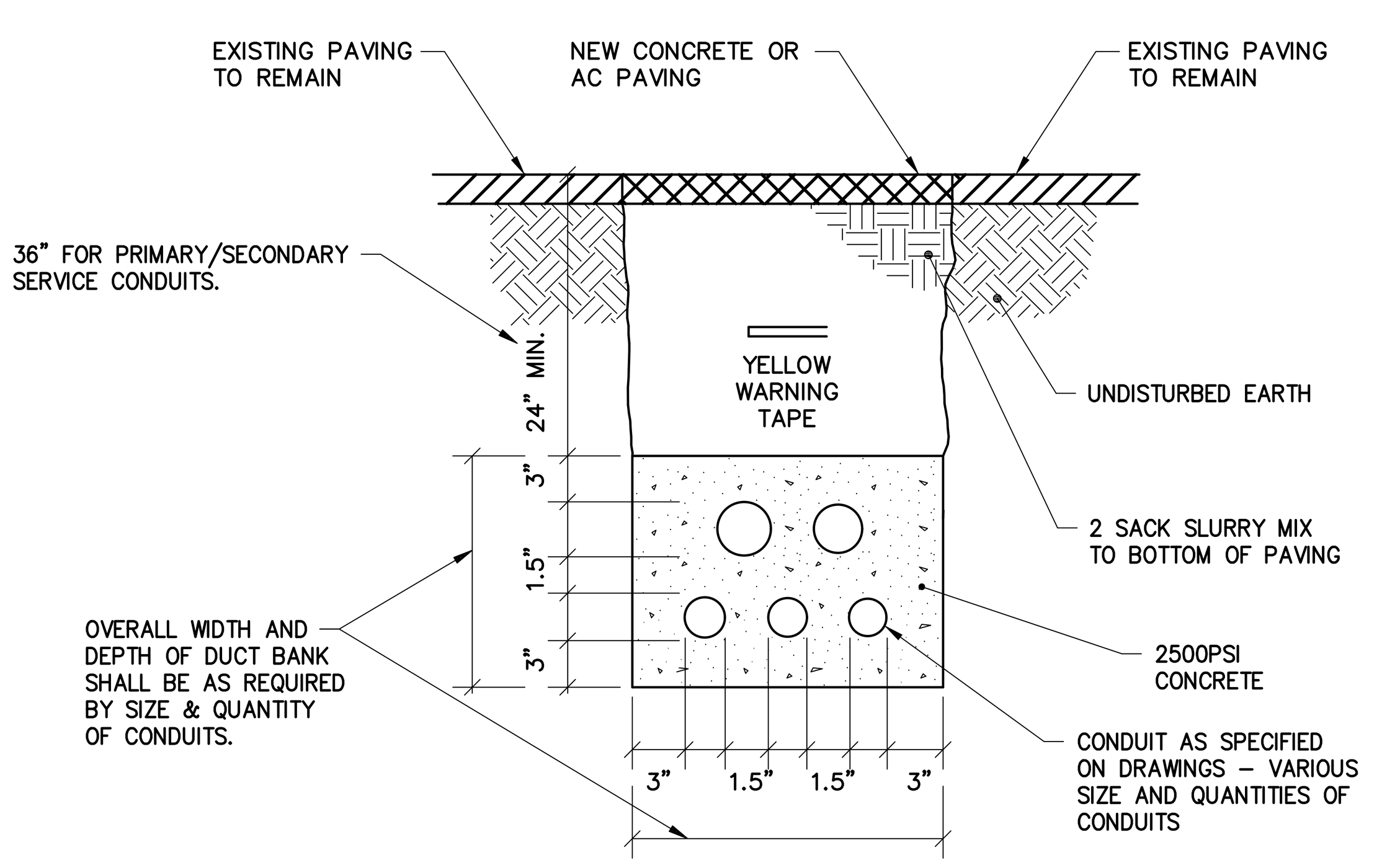


NOTE: MINIMUM FOOT-CANDLE LEVELS MEET OR EXCEED MINIMUM MANDATED BY CBC 1008.3.2.

NOTE: ALL BRIDGE LIGHTING, INCLUDING SURROUNDING RAMPS IS CONNECTED TO AN EMERGENCY CIRCUIT WITH A MINIMUM OF 90 MINUTES OF BACKUP POWER, IN ACCORDANCE WITH CBC 1008.3.2.

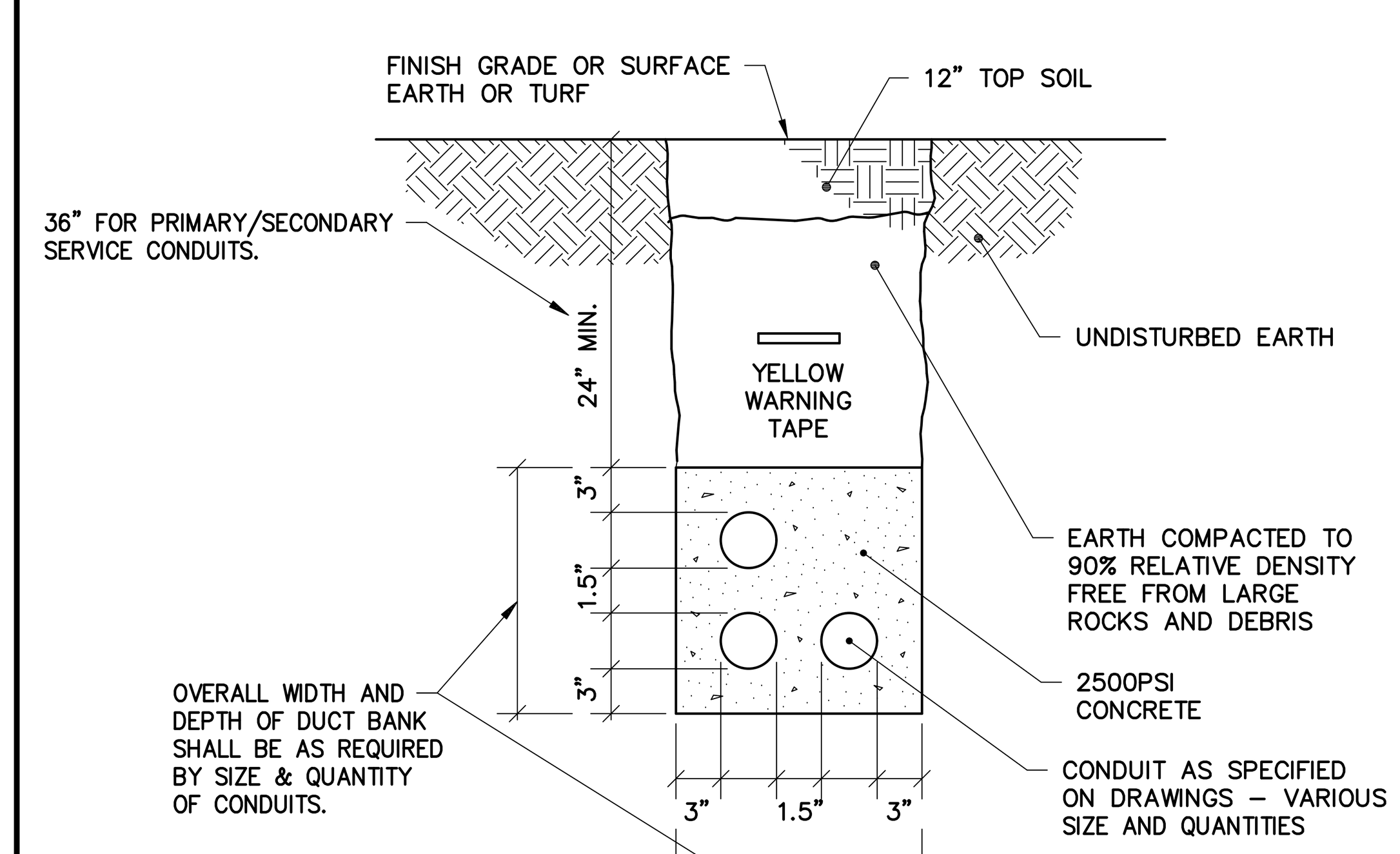
PHOTOMETRIC INFORMATION (EMERGENCY LIGHTING) (H / E0.02)

NO SCALE



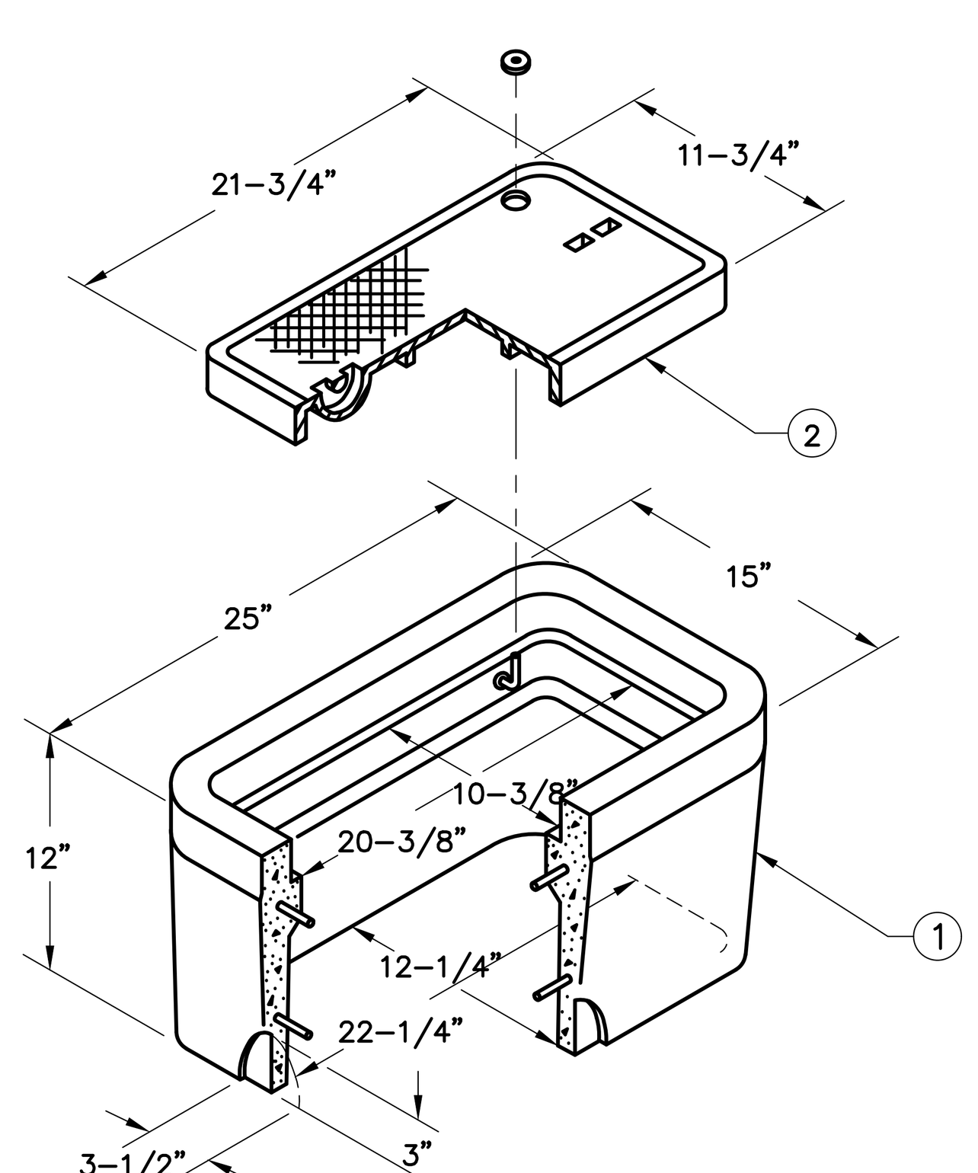
UNDERGROUND CONDUIT DETAIL AT PAVED AREAS (A / E0.02)

NO SCALE



UNDERGROUND CONDUIT DETAIL AT UNPAVED AREAS (B / E0.02)

NO SCALE

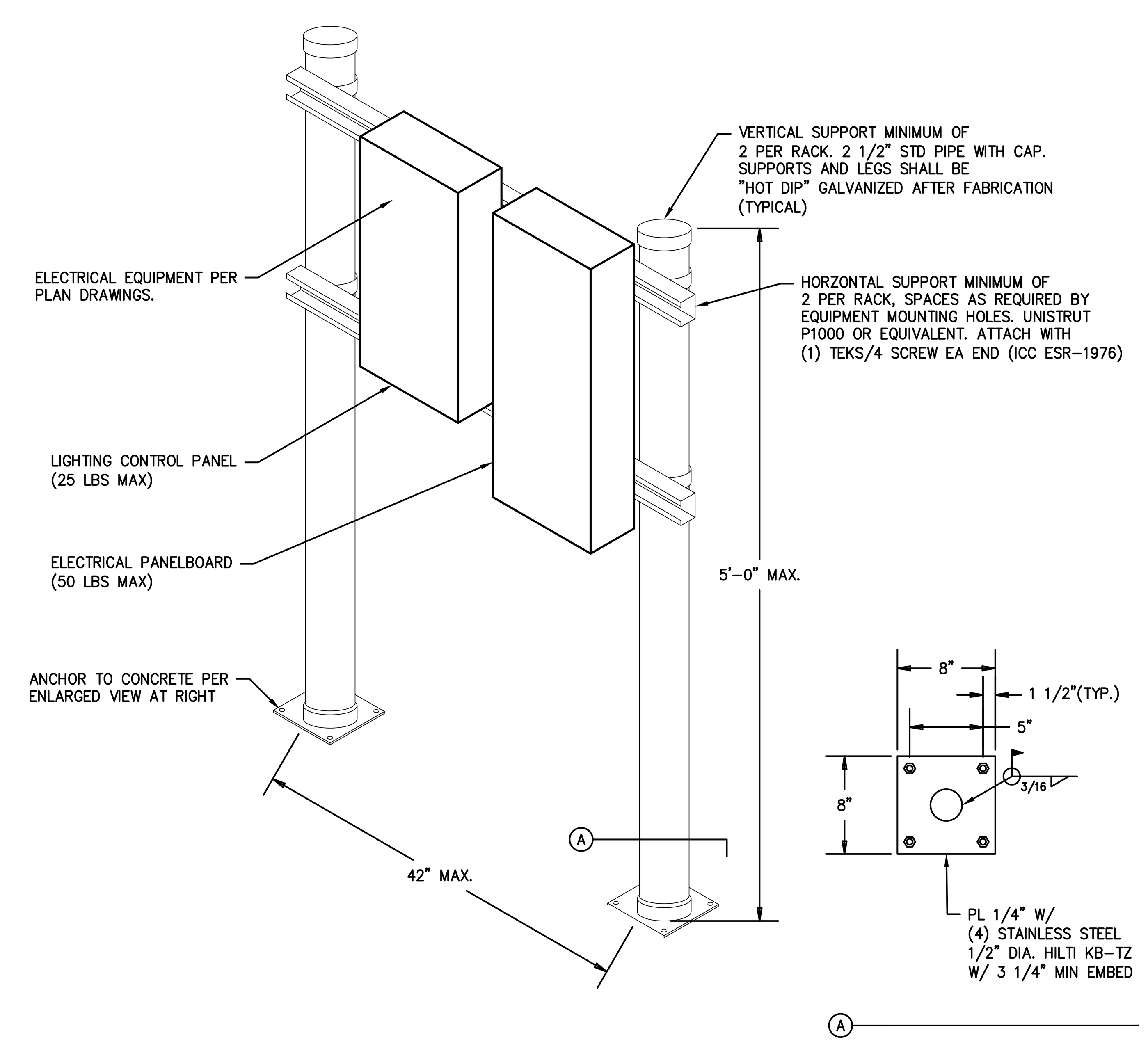


(1) REINFORCED PRECAST GRADE MOUNTED JUNCTION BOX. PROVIDE WITH OPEN BOTTOM.

(2) CAST IRON TRAFFIC COVER SHALL INSTALL FLUSH IN TOP OF GRADE JUNCTION BOX. FURNISH TOP OF COVER WITH CHECKERED SURFACE, LIFTING SLOTS AND RECESSED HOLD DOWN TAMPER PROOF NUTS. BOTTOM OF COVER SHALL BE FURNISHED WITH INTEGRAL CAST REINFORCING RIBS.

GRADE MOUNTED JUNCTION BOX (C / E0.02)

NO SCALE



FREE STANDING EQUIPMENT RACK (D / E0.02)

NO SCALE

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ELECTRICAL DETAILS

E0.02

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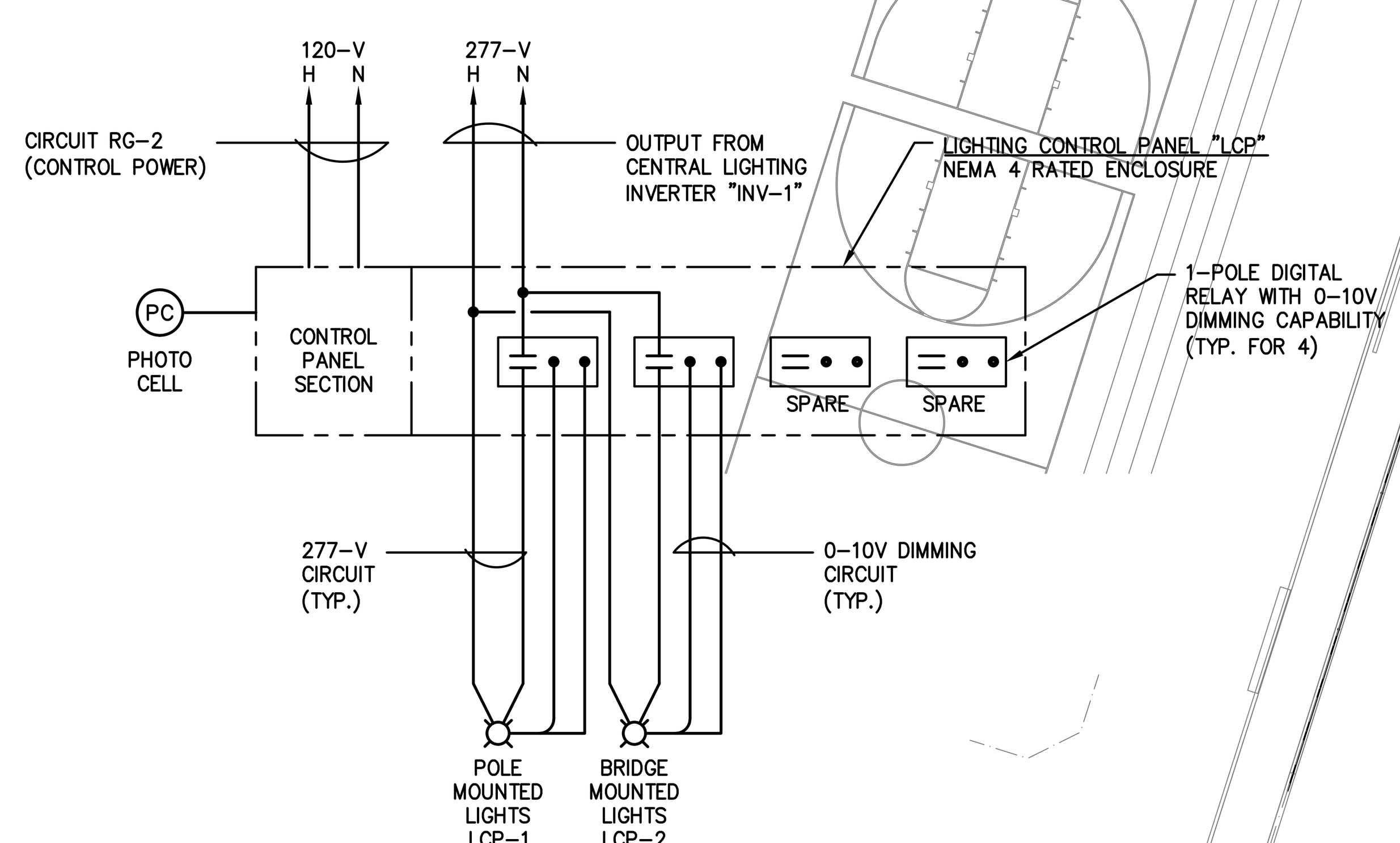
KEYNOTES - THIS SHEET ONLY

1. INTERCEPT EXISTING CONDUIT AND INSTALL NEW HANDHOLE. VERIFY EXACT LOCATION FOR INTERCEPTION IN THE FIELD. EXTEND CONDUIT AS INDICATED, AND INSTALL NEW CONDUCTORS AS NOTED.
2. INTERCEPT EXISTING CONDUIT. VERIFY EXACT LOCATION FOR INTERCEPTION IN THE FIELD. EXTENDCONDUIT AS INDICATED AND INSTALL NEW CONDUCTORS AS NOTED.
3. REMOVE EXISTING SINGLE HEAD LIGHT FIXTURE, INCLUDING EXISTING POLE AND BASE. CONTRACTOR SHALL SALVAGE FIXTURE AND POLE, AND TURN OVER TO DISTRICT AS DIRECTED.
4. REMOVE EXISTING CONDUCTORS FROM EXISTING CONDUIT. INSTALL 2#8+1#10E.G. IN EXISTING (AND NEW) CONDUIT. RECONNECT EACH EXISTING FIXTURE TO MAINTAIN EXISTING CONTROLS & CIRCUITING. VERIFY CONDUIT PATH AND CONNECTIONS IN THE FIELD.



LIGHTING CONTROL PANEL DIAGRAM (A / E1.01)
NO SCALE

SITE PLAN - ELECTRICAL
SCALE: 1/16" = 1'-0"

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SITE PLAN - ELECTRICAL

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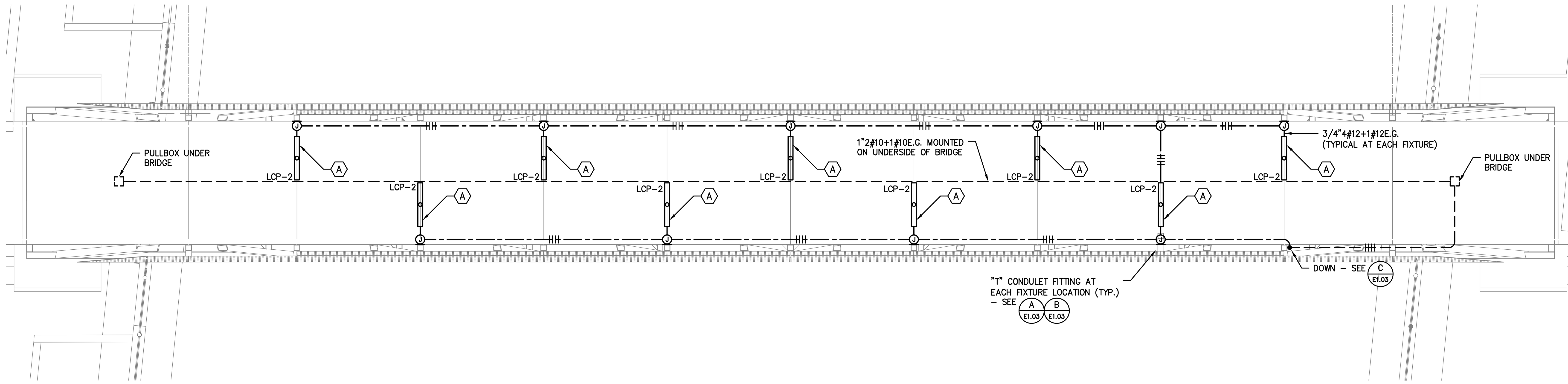
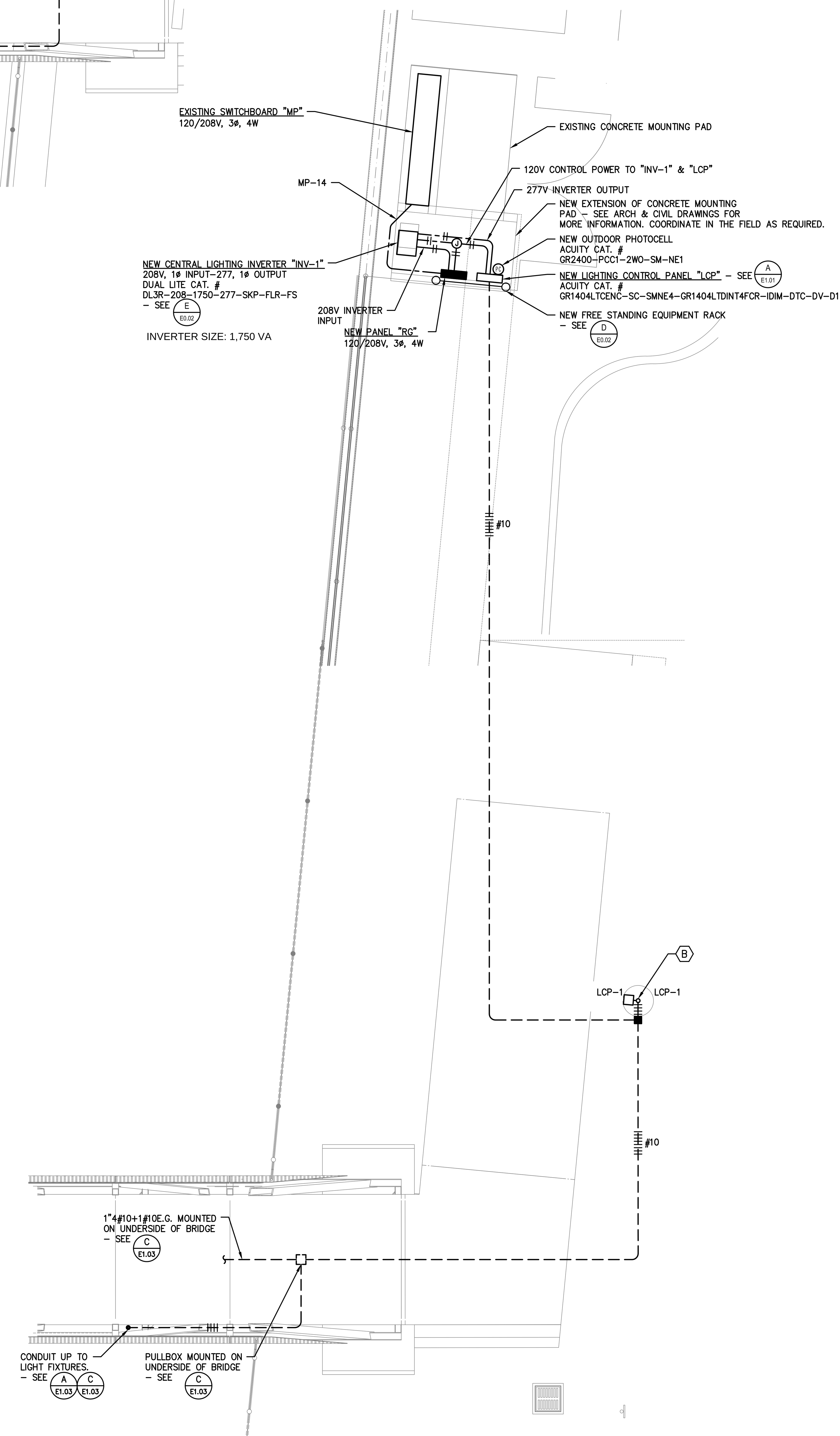
E1.01

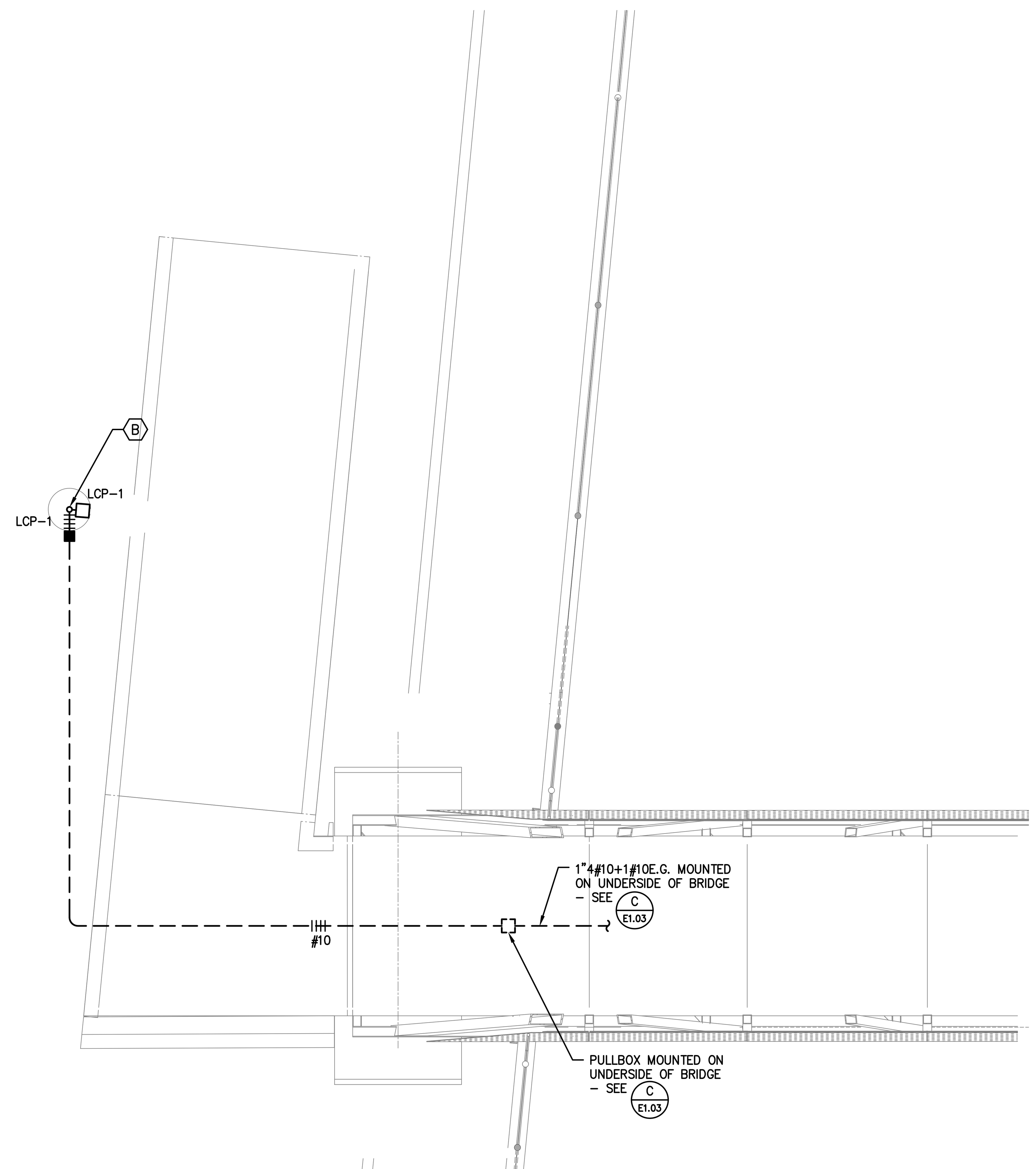


ENLARGED SITE PLAN - ELECTRICAL

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

NORTH





ENLARGED SITE PLAN - ELECTRICAL

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

NORTH

ENLARGED SITE PLAN - ELECTRICAL

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

NORTH

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837 SPRING STREET | THIRD FLOOR
LOS ANGELES CA 90012
P:323.475.8075

NAC NO	161-16047
DRAWN	RK
CHECKED	KK
DATE	8-1-2017

ENLARGED SITE PLANS - ELECTRICAL

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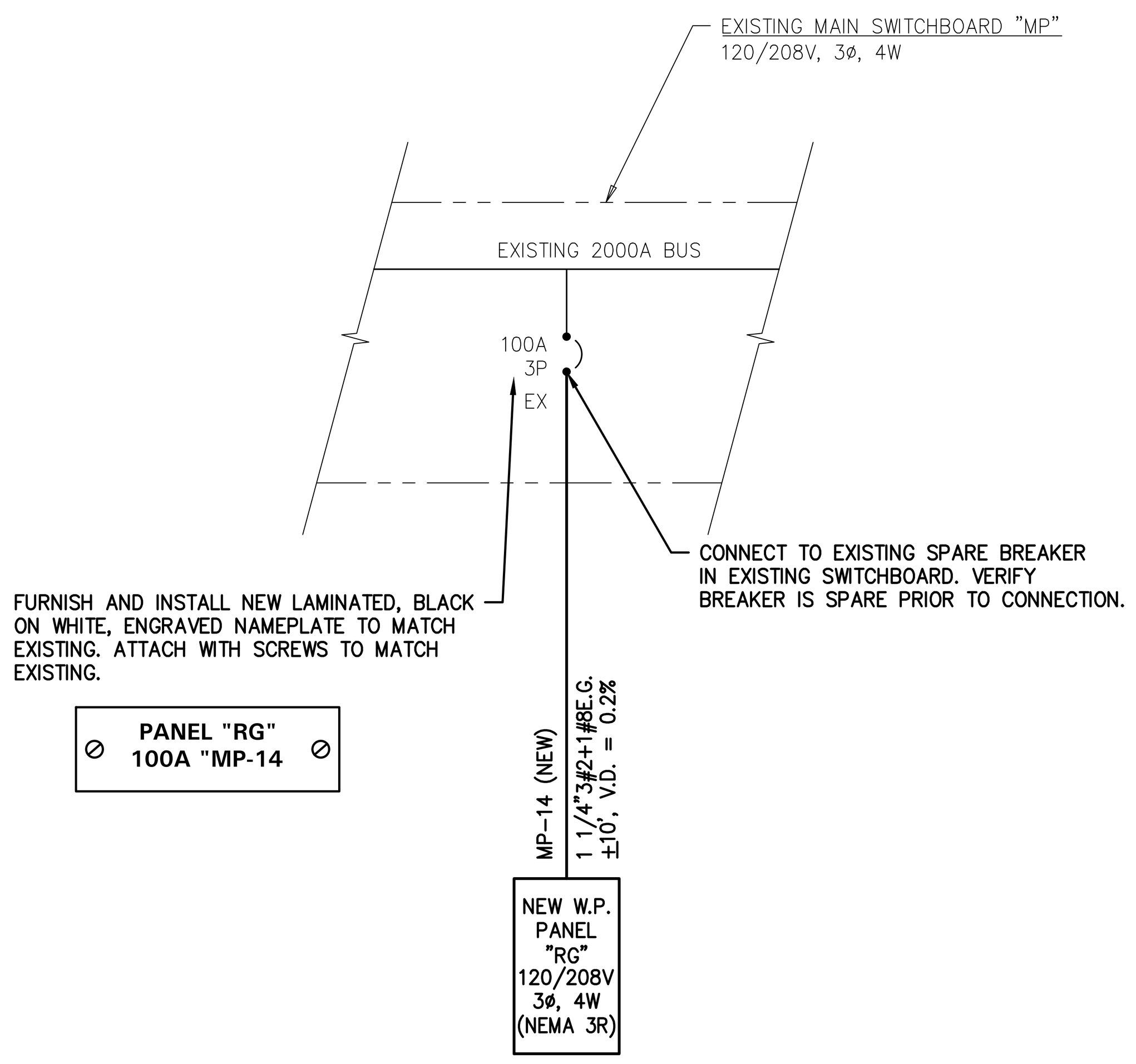
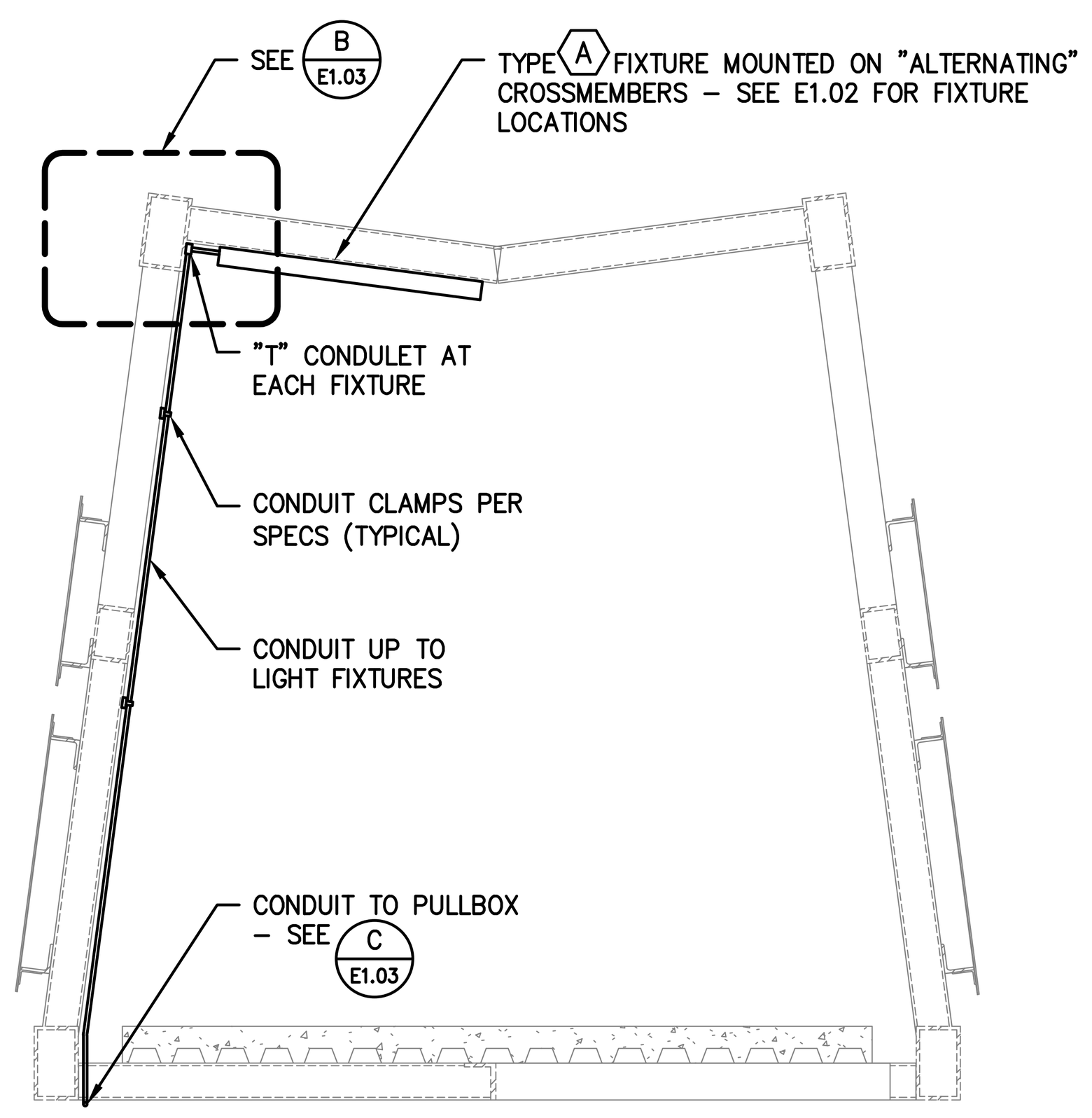
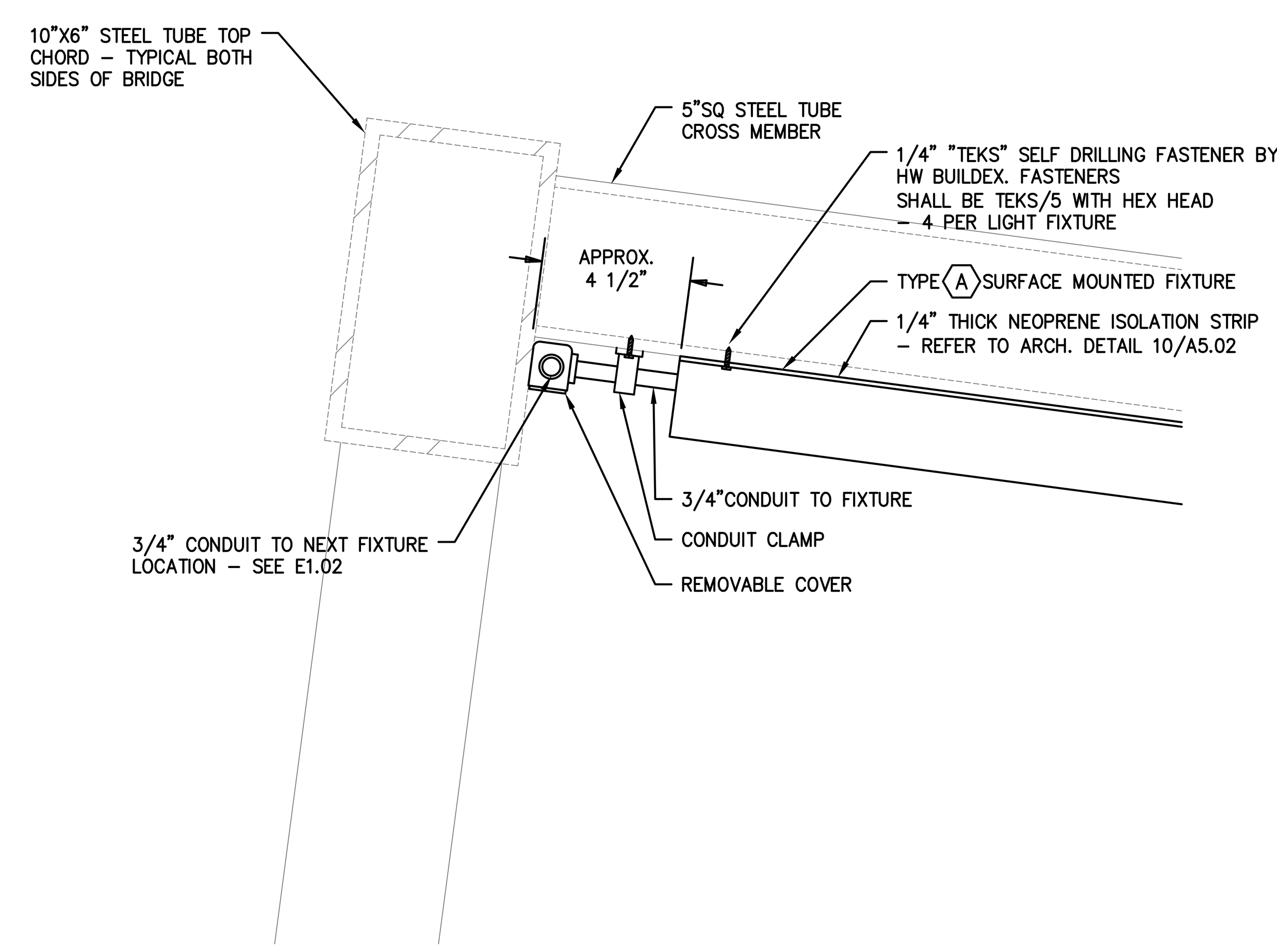
E1.02



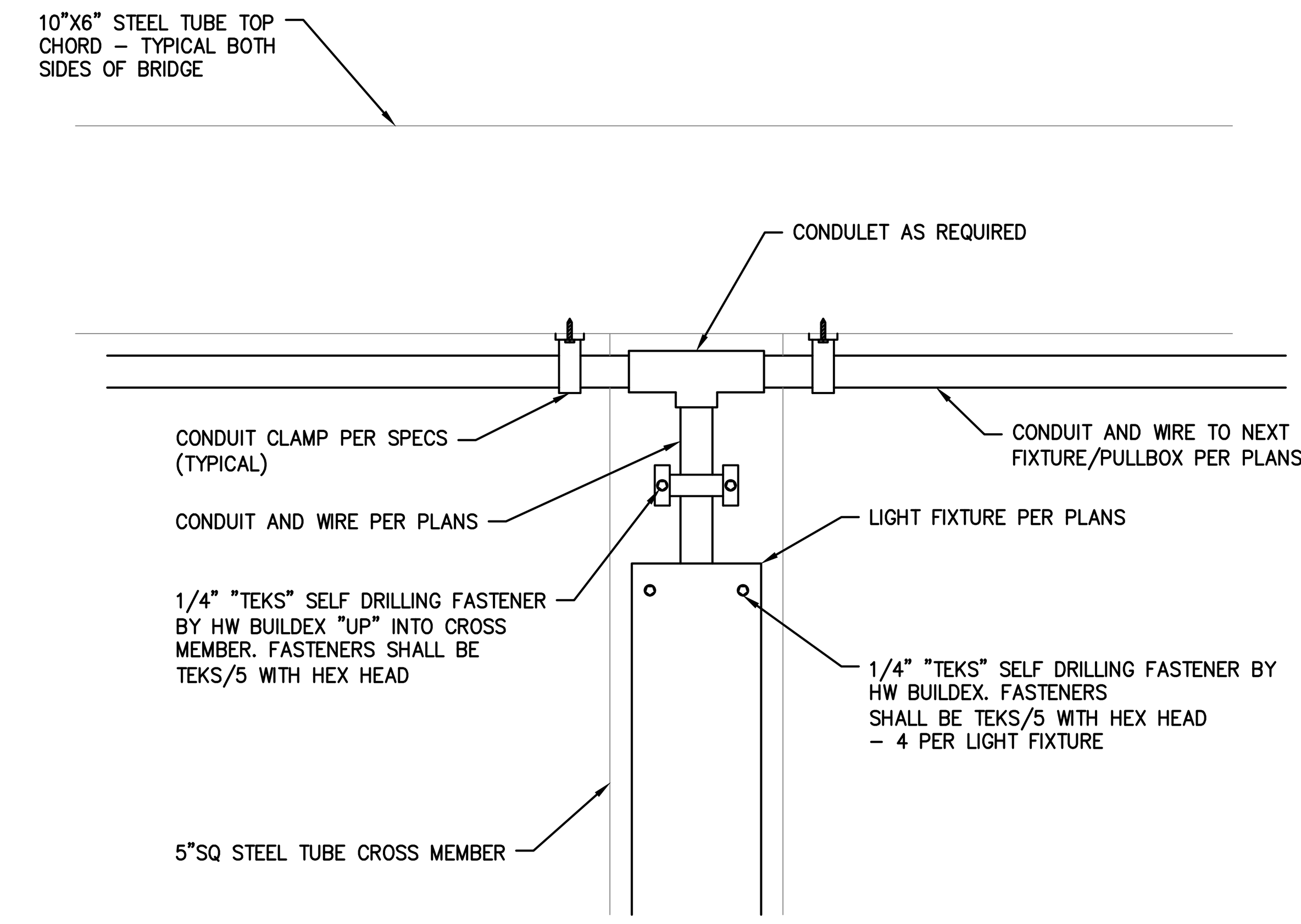
PARTIAL SINGLE LINE DIAGRAM - SWBD "MP" D E1.03
SCALE: NONE



SECTION THROUGH BRIDGE A E1.03
SCALE: 1/2" = 1'-0"



SECTION VIEW



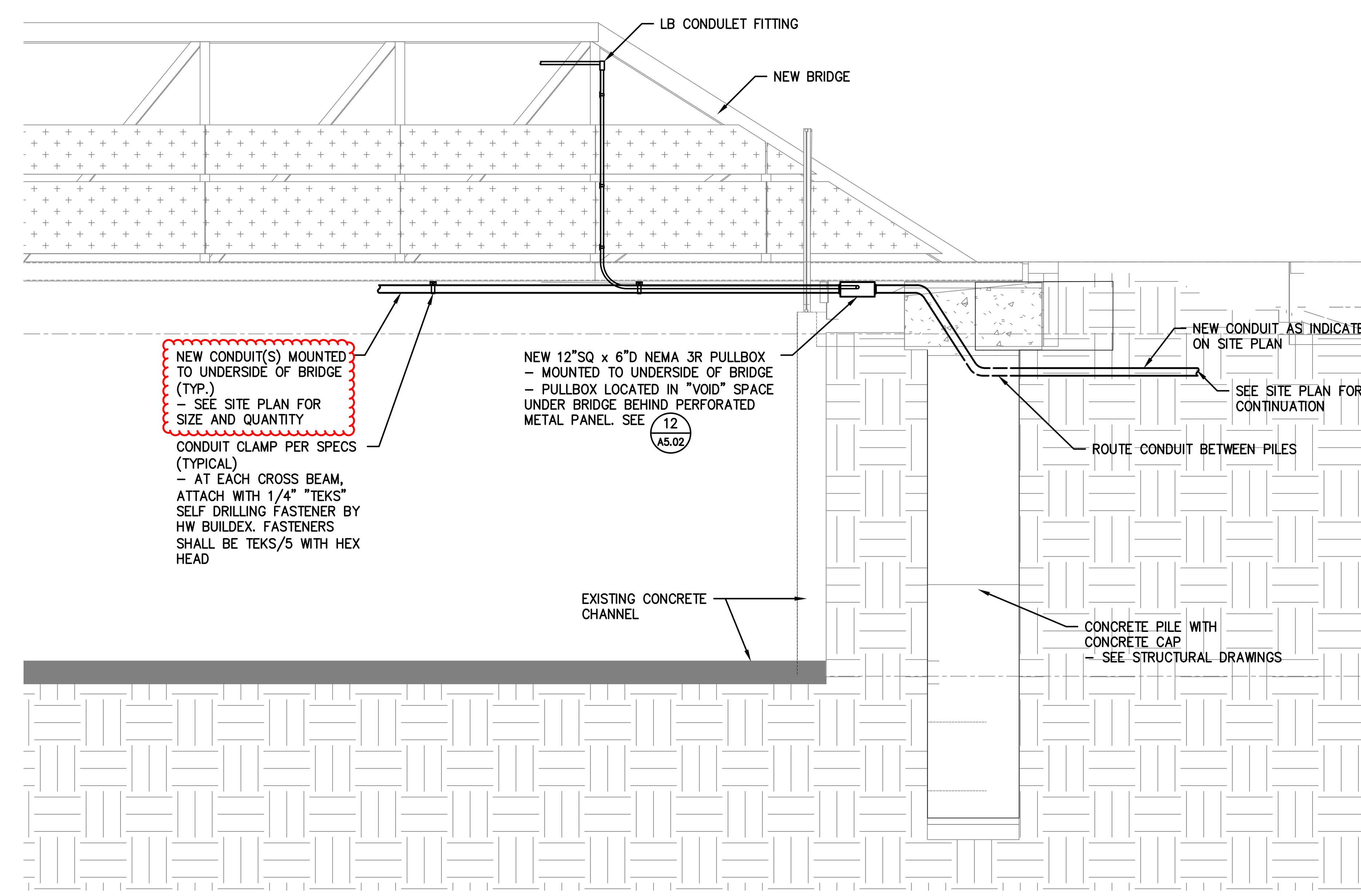
"PLAN" VIEW
(UNDERSIDE)

DETAIL B E1.03
SCALE: NONE

PANEL ID:	RG		NEW		FEEDER/SYSTEM				LOAD TYPES				
LOCATION:	EXISTING ELECTRICAL ENCLOSURE				FED FROM:		MAIN SWBD "MP"		blank or NON: NON-CONTINUOUS				
MAIN:	100A, 3P BREAKER				FEEDER OCP		100 AMPS		LCL: LONG-CONTINUOUS				
BUS AMPS	100				SYSTEM:		208 /120V, 3-PH, 4W		REC :DEMANDABLE RECEPT'S				
MOUNTING:	SURFACE (NEMA 3R)								KIT: KITCHEN PNL: SUB-FED PNL				
AIC RATING	22 KAIC								UNIT: RESID. UNIT MTR: MOTOR				

CKT	DESCRIPTION	LOAD TYPE	BKR	LOAD (VA) PH. A		LOAD (VA) PH.B		LOAD (VA) PH.C		BKR	LOAD TYPE	DESCRIPTION	CKT
1	CENTRAL LIGHTING INVERTER		15/	1145	500					20/1		LIGHTING INVERTER & LTG CONTROL PANEL	2
3	- - -		2			1145				20/1		SPARE	4
5	SPARE		20/1							20/1		SPARE	6
7	SPACE		20/1							20/1		SPACE	8
9	SPACE		20/1							20/1		SPACE	10
11	SPACE		20/1							20/1		SPACE	12
13	SPACE		20/1							20/1		SPACE	14
15	SPACE		20/1							20/1		SPACE	16
17	SPACE		20/1							20/1		SPACE	18

	CONNECTED VA	DEMAND VA	PH A	PH B	PH C	
GEN'L LOAD:	2790	2790	1645	1145	0	CONNECTED LOAD PER PHASE
LONG CONTIN.:	0	0	2790			TOTAL CONNECTED LOAD (VA)
GEN'L RECEPT:	0	0		8		AMPS OF TOTAL CONNECTED LOAD
MOTOR LOAD:	0	+25% OF LARGEST	2790			TOTAL DEMAND VA (BALANCED)
KITCHEN LOAD:	0	0		14		HIGH PHASE AMPS/LCL



DETAIL C E1.03 (NOTE: OPPOSITE END IS SIMILAR)
SCALE: 1/4" = 1'-0"

REVISIONS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-119567 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/19/2020

100% CONSTRUCTION DOCUMENTS - 11.21.
DSA CORRECTIONS - 07.26.2019
DSA RE-SUBMITTAL - 07.21.2020
DSA BACHCHECK- 08.14.2020

16343.MD
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VERDUGO WOODLANDS ELEMENTARY SCHOOL
PEDESTRIAN BRIDGE
1751 NORTH VERDUGO ROAD, GLENDALE, CA

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SECTIONS AND DETAILS - ELECTRICAL

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E1.03