

USE OF DRAWINGS

USE OF DRAWINGS AND COORDINATION: USE STRUCTURAL DRAWINGS IN CONJUNCTION WITH EXISTING ARCHITECTURAL, CIVIL, MECHANICAL AND OTHER DRAWINGS FOR BIDDING AND CONSTRUCTION. COORDINATE WORK AND VERIFY DIMENSIONS AND CONDITIONS FOR COMPATIBILITY BETWEEN TRADES. NOTIFY OWNER'S REPRESENTATIVE OF DISCREPANCIES PRIOR TO CONSTRUCTION.

DRAWING SCALE: NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS - DO NOT SCALE DRAWINGS.

DIMENSION VERIFICATION: DIMENSIONS NOTED PLUS OR MINUS (+/-) INDICATE UN-VERIFIED DIMENSIONS THAT REQUIRE CONFIRMATION OR DETERMINATION BY THE CONTRACTOR PRIOR TO FABRICATION AND CONSTRUCTION. NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY OF CONFLICTS OR VARIATIONS FROM INDICATED DIMENSIONS.

NOTE CONFLICTS: IF ANY STRUCTURAL NOTES ARE IN CONFLICT WITH EACH OTHER ARCHITECTURAL AND OTHER DRAWINGS, OR THE SPECIFICATIONS, USE THE MOST STRINGENT REQUIREMENT FOR BIDDING AND CONSTRUCTING THE WORK.

EXISTING CONDITIONS: INFORMATION SHOWN ON THE DRAWINGS RELATED TO EXISTING CONDITIONS REPRESENTS THE PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS IN THE FIELD PRIOR TO COMMENCING ANY WORK. REPORT CONDITIONS THAT CONFLICT WITH THE CONTRACT DOCUMENTS TO THE OWNER'S REPRESENTATIVE. DO NOT DEVIATE FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE OWNER'S REPRESENTATIVE.

DESIGN AND CONSTRUCTION CRITERIA

GOVERNING BUILDING CODE: DESIGN AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC), 2018 EDITION, AS AMENDED BY THE CITY OF PUYALLUP. THE PUBLICATIONS LISTED BELOW ARE THE GOVERNING CODES AND STANDARDS REFERENCED BY THE BUILDING CODE. IN CASE OF CONFLICTING REQUIREMENTS, THE BUILDING CODE SHALL GOVERN.

PRIMARY REFERENCE STANDARDS:

ASCE MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7-16
 ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS
 SOUND TRANSIT DESIGN CRITERIA MANUAL REVISION 5, INCLUDING AMENDMENT 10, DATED FEBRUARY 2021

DESIGN LOADS:

IN ADDITION TO THE DEAD LOADS, THE FOLLOWING LOADS WERE USED FOR DESIGN:
 LIVE LOADS: 300 lb

Reviewed for Compliance City of Puyallup 1/14/2022 Separate Electrical Permits required by L&I

WIND LOADS:

SOLID FREE-STANDING SIGN
 DESIGN WIND SPEED, Vu1t - 97 MPH
 RISK CATEGORY - II
 EXPOSURE CATEGORY - C
 TOPOGRAPHIC FACTOR, Kzt - 1.00

THE APPROVED CONSTRUCTION PLANS, DOCUMENTS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

FULL SIZED LEDGIBLE COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITEE ON SITE FOR INSPECTION

Approval of submitted plans is not an approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable building codes and regulations of the local government.

SEISMIC LOAD:

EQUIVALENT LATERAL FORCE PROCEDURE
 MAPPED SPECTRAL RESPONSE ACCELERATION, Ss - 1.272
 MAPPED SPECTRAL RESPONSE ACCELERATION, S1 - 0.438
 LONG PERIOD TRANSITION, TL - 6
 SITE CLASS - D
 RISK CATEGORY - II
 SEISMIC IMPORTANCE FACTOR, Ie - 1.0
 DESIGN SPECTRAL RESPONSE ACCELERATION, Sds - 1.018
 DESIGN SPECTRAL RESPONSE ACCELERATION, Sd1 - 0.544
 SEISMIC DESIGN CATEGORY - D

MEANS AND METHODS

MEANS AND METHODS: THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION MEANS AND THE METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES REQUIRED FOR SAFELY CONSTRUCTING ALL WORK.

JOBSITE SAFETY: THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING A SAFE PLACE TO WORK AND FOR MEETING THE REQUIREMENTS OF ALL APPLICABLE JURISDICTIONS. EXECUTE WORK IN A MANNER THAT PROVIDES FOR THE SAFETY OF PERSONS AND ADJACENT PROPERTY AGAINST INJURY AND DAMAGE DUE TO FALLING DEBRIS AND OTHER HAZARDS IN CONNECTION WITH CONSTRUCTING THE WORK.

STORAGE AND HANDLING OF MATERIALS: THE CONTRACTOR SHALL STORE AND HANDLE ALL MATERIALS IN A SUITABLE MANER TO PREVENT DAMAGE OF THE ELEMENTS.

SPECIAL INSPECTION

SPECIAL INSPECTION REQUIREMENTS: SPECIAL INSPECTION IS REQUIRED IN ACCORDANCE WITH IBC SECTION 1705, THE DRAWINGS AND THE PROJECT SPECIFICATIONS. THESE INSPECTIONS SHALL BE PERFORMED BY A TESTING AGENCY, DESIGNATED BY THE OWNER'S REPRESENTATIVE, QUALIFIED TO PERFORM THE TYPES OF INSPECTIONS SPECIFIED. THE ARCHITECT AND STRUCTURAL ENGINEER SHALL BE FURNISHED WITH COPIES OF ALL INSPECTION REPORTS AND TEST RESULTS, AS WELL AS A FINAL SIGNED REPORT FOR THE INSPECTED ITEMS.

INSPECTION COORDINATION: COORDINATE THE INSPECTIONS BY PROVIDING ADEQUATE NOTICE TO THE INSPECTION AGENCY AND OWNER'S CONSTRUCTION REPRESENTATIVE OF DATES WHEN WORK IS READY FOR INSPECTION, AND BY PROVIDING ALLOWANCE IN THE SCHEDULE FOR THE SPECIFIED INSPECTIONS TO OCCUR.

STRUCTURAL OBSERVATION: THE STRUCTURAL OBSERVATIONS SHALL BE PERFORMED BY THE OWNER'S REPRESENTATIVE REGISTERED DESIGN PROFESSIONAL. THE STRUCTURAL OBSERVER SHALL SUBMIT TO INSPECTION SERVICES A WRITTEN STATEMENT THAT SITE VISITS HAVE BEEN MADE AND IDENTIFYING ANY REPORTED DEFICIENCIES THAT TO THE BEST OF THE STRUCTURAL OBSERVER'S KNOWLEDGE HAVE NOT BEEN RESOLVED. THE STRUCTURE WILL NOT BE IN COMPLIANCE UNTIL THE REGISTERED DESIGN PROFESSIONAL HAS NOTIFIED INSPECTION SERVICES THAT ALL DEFICIENCIES ARE RESOLVED. STRUCTURAL OBSERVATIONS WILL BE PERFORMED AT SIGNIFICANT PROJECT MILESTONES.

ANCHORS INSTALLED IN HARDENED CONCRETE: SPECIAL INSPECTION OF MECHANICAL AND ADHESIVE ANCHORS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND THE REQUIREMENTS OF THE ICC-ES REPORT FOR THE PRODUCT INSTALLED SHALL BE PROVIDED PER IBC TABLE 1705.3, ITEM 4.

COORDINATION WITH OTHERS

THE PIMS SOUNDER CIVIL STRUCTURAL WORK PACKAGE WILL BE FOLLOWED IMMEDIATELY BY A DATA/POWER WORK PACKAGE BEING PERFORMED UNDER A SEPARATE CONTRACT. ABILITY TO START THE DATA/POWER WORK IS DEPENDENT UPON THE STRUCTURAL WORK BEING COMPLETE. IT WILL BE INCUMBENT UPON THE STRUCTURAL PACKAGE CONTRACTOR TO FACILITATE ACCESS TO WORK SITE AS SOON AS PRACTICAL AND COORDINATE EFFORT WITH THE DATA/POWER CONTRACTOR. SEQUENCE OF WORK SHOULD BE PERFORMED AS SPECIFIED IN THE CONTRACT SPECIFICATIONS UNDER COLLABORATION.

SPECIAL INSPECTION TABLES

AISC 360, CHAPTER N REQUIRED QUALITY CONTROL, QUALITY ASSURANCE, AND NONDESTRUCTIVE TESTING FOR STRUCTURAL STEEL ELEMENTS FOR BUILDINGS AND OTHER STRUCTURES		
VERIFICATION AND INSPECTION	COMMENTS	AISC 360 REFERENCE
REVIEW MATERIAL TEST REPORTS AND CERTIFICATIONS LISTED IN AISC 360, SECTION N3.2. FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS.	-	SECTION N3.2
INSPECT THE ERECTED STEEL TO VERIFY COMPLIANCE WITH DETAILS ON THE CONSTRUCTION DOCUMENTS: a. STIFFENERS. b. MEMBER LOCATIONS. c. PROPER APPLICATION OF JOINT DETAILS AT EACH CONN.	-	-
INSPECTION TASKS PRIOR TO WELDING	-	TABLE N5.4-1
INSPECTION TASKS DURING WELDING	-	TABLE N5.4-2
INSPECTION TASKS AFTER WELDING	-	TABLE N5.4-3
NONDESTRUCTIVE TESTING OF WELDED JOINTS	-	SECTION N5.5
INSPECTION TASKS PRIOR TO BOLTING	-	TABLE N5.6-1
INSPECTION TASKS DURING BOLTING	-	TABLE N5.6-2
INSPECTION TASKS AFTER BOLTING	-	TABLE N5.6-3

SUBMITTALS

SHOP DRAWINGS: SUBMIT SHOP DRAWINGS FOR REVIEW AND ACCEPTANCE BY THE OWNER'S REPRESENTATIVE ENGINEER PRIOR TO ANY FABRICATION OR CONSTRUCTION. DIMENSION AND QUANTITY VERIFICATION ARE THE CONTRACTOR'S RESPONSIBILITIES AND ARE NOT REVIEWED BY THE OWNER'S REPRESENTATIVE ENGINEER. THE CONTRACTOR SHALL REVIEW AND STAMP DRAWINGS PRIOR TO REVIEW BY THE OWNER'S REPRESENTATIVE ENGINEER. IF DEVIATIONS, DISCREPANCIES, OR CONFLICTS BETWEEN SHOP DRAWING SUBMITTALS AND THE CONTRACT DOCUMENTS ARE DISCOVERED, EITHER PRIOR TO OR AFTER THE ENGINEER PROCESSES THE SHOP DRAWING SUBMITTALS, THE DESIGN DRAWINGS AND SPECIFICATIONS SHALL CONTROL AND SHALL BE FOLLOWED.

REQUIRED SUBMITTALS: REQUIRED SUBMITTALS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

- BIDDER-DESIGNED SUBMITTALS
- STRUCTURAL STEEL
- CONCRETE REINFORCING
- CONCRETE MIX DESIGN

BIDDER-DESIGNED SUBMITTALS: CALCULATIONS AND SHOP DRAWINGS FOR ELEMENTS DESIGNED BY THE CONTRACTOR OR VENDORS SHALL BEAR THE SEAL AND SIGNATURE OF A PROFESSIONAL ENGINEER, RETAINED BY THE CONTRACTOR AND REGISTERED IN STATE OF THE PROJECT SITE. SUBMIT THESE DOCUMENTS FOR REVIEW AND ACCEPTANCE BY THE ENGINEER AND OWNER'S REPRESENTATIVE PRIOR TO FABRICATION. INCLUDE ALL DESIGN LOAD AND REACTIONS ON OTHER STRUCTURES ON THE DRAWINGS. CALCULATIONS SHALL BE SUBMITTED FOR INFORMATION ONLY AND WILL NOT BE REVIEWED OR RETURNED. BIDDER-DESIGNED SUBMITTALS INCLUDE THE FOLLOWING CONTRACTOR/VENDOR DESIGNED ELEMENTS. DEFERRED SUBMITTALS ARE INDICATED WITH AN ASTERISK:

- * PRE-MANUFACTURED LIGHT POLES

SUBMITTAL ACCEPTANCE: FOLLOWING ACCEPTANCE BY THE OWNER'S REPRESENTATIVE ENGINEER AND PRIOR TO FABRICATION, ADDITIONAL TIME FOR REVIEW AND ACCEPTANCE OF SUBMITTAL BY THE BUILDING OFFICIAL IS REQUIRED AND SHALL BE IDENTIFIED AND ALLOWED FOR IN THE CONTRACTOR'S SCHEDULE.

SUBSTITUTIONS: SUBMIT SUBSTITUTION REQUESTS PER THE PROCEDURES IN THE SPECIFICATIONS WITH APPLICABLE ICC REPORTS TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO DETAILING, FABRICATION AND ERECTION. ADDITIONAL ENGINEERING CALCULATIONS AND DETAILS, PROVIDED BY A STRUCTURAL ENGINEER LICENSED IN THE PROJECT SITE STATE, MAY BE REQUIRED OF THE CONTRACTOR FOR SUBSTITUTIONS THAT ARE NOT SIMILAR TO THE SPECIFIED PRODUCTS AND CONFIGURATION.

STEEL

REFERENCE STANDARDS:

AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION, SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, AISC 360

AWS AMERICAN WELDING SOCIETY, STRUCTURAL WELDING CODE - STEEL, AWS D1.1 AND STRUCTURAL WELDING CODE - SHEET STEEL, AWS D1.3

RCSC RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS, SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS

STRUCTURAL STEEL MATERIALS:

- WIDE FLANGE SHAPES ASTM A992, Fy = 50 KSI
- HOLLOW STRUCTURAL SECTIONS (HSS) TUBES ASTM A500, GRADE B, Fy = 46 KSI
- OTHER STEEL SHAPES ASTM A36, Fy = 36 KSI
- STRUCTURAL BOLTS ASTM A325 OR A490
- ANCHOR BOLTS ASTM F1554, GRADE 36
- WELDING ELECTRODES E70XX

MISC STEEL: STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO THE REQUIREMENTS OF THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ERECTION AIDS AND JOINT PREPARATIONS THAT INCLUDE, BUT ARE NOT LIMITED TO, ERECTION ANGLES, LIFT HOLES AND OTHER AIDS, WELDING PROCEDURES, REQUIRED ROOT OPENINGS, ROOT FACE DIMENSIONS, GROOVE ANGLES, BACKING BARS, COPES, SURFACE ROUGHNESS VALUES, AND TAPERS OF UNEQUAL PARTS.

HIGH-STRENGTH BOLTS: HIGH-STRENGTH BOLTS SHALL BE INSTALLED, TIGHTENED AND INSPECTED IN ACCORDANCE WITH THE AISC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS. THE CRITERIA FOR PRETENSIONED CONNECTIONS SHALL APPLY TO CONNECTIONS UNLESS SPECIFICALLY NOTED AS SNUG TIGHT. BOLT HOLES SHALL BE STANDARD SIZE UNLESS NOTED OTHERWISE.

STEEL (cont)

WELDING: WELDING SHALL BE IN CONFORMANCE WITH AISC AND AWS STANDARDS AND SHALL BE PERFORMED BY AWS/WABO CERTIFIED WELDERS, WHO ARE QUALIFIED FOR THE WELD TYPE THEY PERFORM, USING E70XX ELECTRODES. ONLY PREQUALIFIED WELDS (AS DEFINED BY AWS) SHALL BE USED. WELDS SHOWN ON THE DRAWINGS ARE THE MINIMUM SIZE. INCREASE WELD SIZE TO AWS MINIMUM SIZES BASED ON PLATE THICKNESS. MINIMUM WELDING SHALL BE 3/16 INCH. SHOP DRAWINGS SHALL SHOW ALL WELDING WITH AWS A2.4 SYMBOLS.

SURFACE PREPARATION PRIOR TO WELDING: ALL SURFACES SHALL BE CLEANED WITH A WIRE BRUSH, GRINDER, OR SAND BLASTING ENSURE A CLEAN SURFACE FREE OF PAINT OR RUST PRIOR TO WELDING.

MATERIAL FINISHES

MATERIAL AND PAINT COLORS SHALL BE CONSISTENT WITH SYSTEM-WIDE IDENTITY COLORS, COMPATIBLE WITH SURROUNDING AREA. COLOR-MATCH TOUCH UP PAINT WITH EXISTING CONDITIONS.

ALL VISIBLE STEEL AND ALUMINUM ASSEMBLIES SHALL RECEIVE AN ARCHITECTURAL FINISH TO MEET OR EXCEED PERFORMANCE CRITERIA OF ADJACENT EXISTING STATION ASSEMBLIES. FINISH SHALL BE ORGANIC COATING SYSTEM PER SOUND TRANSIT DCM SECTION 9.4.7 AND CONSIST OF A WASH PRIMER (FOR GALVANIZED AND ALUMINUM SUBSTRATES ONLY), A PRIMER, INTERMEDIATE COAT(S), AND A FINISH COAT.

ALL CARBON AND ALLOY STEEL ASSEMBLIES, FIXTURES AND CONDUITS WHICH DO NOT RECEIVE AN ARCHITECTURAL FINISH, SHALL BE HOT DIP GALVANIZED.

ALL STEEL AND ALUMINUM STRUCTURES WITHIN 16-FT OF THE GROUND IN PUBLIC AREAS SHALL HAVE ALL WELDS GROUND SMOOTH, EXPOSED EDGES GROUND, PIECE MARKS HIDDEN, AND ERECTION AIDS REMOVED.

PROVIDE WEEP HOLES AT LOW SPOTS OF ALL TUBE OR PIPE STEEL FOR DRAINAGE OF CONDENSATION.

FABRICATION OF THE CONNECTIONS BETWEEN STEEL AND OTHER MATERIALS SHALL PROVIDE FOR THE PERMITTED STEEL VARIANCE AND PROVIDE FOR THE MORE LIMITED TOLERANCE OF THE FINISH MATERIAL BY MEANS FOR SPACE AND ATTACHMENT SUCH THAT PLUMB AND TRUE FINISHES CAN BE PROVIDED.

WHENEVER POSSIBLE, FINISHING OF STEEL IN THE FIELD SHALL BE MINIMIZED AND SHOP FABRICATED IN SECTIONS, PRIMED AND FINISHED IN THE SHOP, AND BOLTED TOGETHER ON SITE. MINIMIZE ON-SITE WELDING AND TOUCH UP PAINTING WHENEVER POSSIBLE. ALL FINISHING SHALL BE COMPATIBLE, WHETHER SHOP PRIMED AND PAINTED OR PRIMED IN SHOP AND FIELD PAINTED.

OTHER THAN STAINLESS STEEL, ALL METALS AND ALUMINUM SHALL BE ISOLATED AND SEPARATED FROM CONCRETE AND OTHER DISSIMILAR METALS TO PREVENT CORROSION.

SEALANTS - SEAL ALL CREVICES WITH A POLYSULFIDE, POLYURETHANE, OR SILICONE SEALANT.

ELECTRICAL CONDUIT AND RECEPTACLES

ELECTRICAL CONDUITS, JUNCTION BOXES AND APPURTENANCES REQUIRED TO SUPPORT THE ELECTRICAL SYSTEM AT STATIONS SHALL BE HIDDEN FROM PUBLIC VIEW BY LOCATING THEM IN AN ORGANIZED MANNER WITHIN RACEWAYS, CABLE TRAYS OR CHASES. WHENEVER POSSIBLE, NO CONDUIT SHALL BE INSTALLED EXPOSED TO VIEW IN PUBLIC AREAS OF THE STATIONS. WHERE CONDUITS SHALL BE EXPOSED TO PUBLIC VIEW TO CONNECT TO EQUIPMENT OR FIXTURES, THE CONDUIT AND ANY JUNCTION BOXES SHALL BE LOCATED IN AN ORGANIZED MANNER, TIGHT TO ADJACENT SURFACES AND PAINTED TO MATCH THOSE SURFACES. WHERE CONDUITS ARE EXPOSED IN PUBLIC OR NON-PUBLIC AREAS OUTSIDE OF CLOSED ROOMS, PROVIDE BIRD DETERRENT DEVICES. MAINTAIN SEPARATION OF POWER AND DATA SYSTEMS IN CONDUIT.

CONCRETE

REFERENCE STANDARDS:

ACI AMERICAN CONCRETE INSTITUTE, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318-14

CONCRETE SHALL BE MIXED, PROPORTIONED, CONVEYED, AND PLACED IN ACCORDANCE WITH IBC SECTION 1905 AND ACI 301.

MIX DESIGNS: MIX DESIGNS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE AND STRUCTURAL ENGINEER FOR ACCEPTANCE TWO WEEKS PRIOR TO PLACING ANY CONCRETE. THE MAXIMUM WATER-CEMENT RATIO AND SLUMP SHALL BE AS SHOWN IN TABLE I FOR VARIOUS CONCRETE STRENGTHS (fc) BASED ON STANDARD 28-DAY CYLINDER TESTS.

CONCRETE MIX DESIGNS TABLE						
AREA	MIN F'c (PSI) 28 DAYS	MAX W/C RATIO	ENTRAINED AIR	FLY ASH	MAXIMUM AGGREGATE	EXPOSURE CLASS
SLABS ON GRADE (EXTERIOR)	5,000	0.40	6%	15-20%	3/4"	F3

ADMIXTURES: WATER-REDUCING ADMIXTURES CONFORMING TO ASTM C494 MAY BE INCORPORATED IN THE CONCRETE MIX DESIGNS AND BE USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. CALCIUM CHLORIDE OR OTHER WATER-SOLUBLE CHLORIDE ADMIXTURES SHALL NOT BE USED.

AIR CONTENT: AN AIR-ENTRAINING AGENT CONFORMING TO ASTM C260 SHALL BE USED IN ALL CONCRETE MIXES FOR WORK THAT IS EXPOSED TO WEATHER. THE AMOUNT OF ENTRAINED AIR SHALL BE MEASURED IN THE FIELD AT THE DISCHARGE END OF THE PLACING HOSE. ENTRAINED AIR SHALL BE AS NOTED +/- 1.5% BY VOLUME.

NON-SHRINK GROUT: NON-SHRINK GROUT SHALL BE FURNISHED BY AN APPROVED MANUFACTURER AND SHALL BE MIXED AND PLACED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE MINIMUM 28-DAY GROUT COMPRESSIVE STRENGTH SHALL BE 5000 PSI, UNLESS NOTED OTHERWISE.

ADHESIVE ANCHORS AND EPOXIED REINFORCING BARS: PLACEMENT AND CURING SHALL BE CONDUCTED WITH CONCRETE AND AIR TEMPERATURES ABOVE 50 DEGREES. APPLY EPOXY ONLY TO CLEAN, DRY CONCRETE. PROVIDE POSITIVE PROTECTION SO DOWELS ARE NOT DISTURBED DURING THE CURING PERIOD.

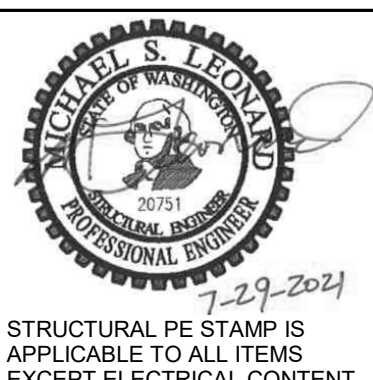
STAINLESS STEEL ADHESIVE ANCHORS SHALL BE EPOXIED INTO CONCRETE WITH HILTI RE-500 ADHESIVE, OR APPROVED EQUIVALENT. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ICC REPORT ESR-3814. ADHESIVE ANCHOR RODS SHALL BE ASTM F593 TYPE 316 STAINLESS STEEL THREADED RODS, OR APPROVED EQUIVALENT.

POST-INSTALLED DRILLING: HOLES FOR INSTALLING REINFORCING BARS, BOLTS, THREADED RODS AND INSERTS INTO CONCRETE SHALL BE DRILLED BY THE ICC APPROVED DRILLING METHOD FOR THE ANCHOR. PROVIDE NON-DESTRUCTIVE SCANNING OR CHIP AWAY A SUFFICIENT QUANTITY OF CONCRETE COVER TO LOCATE EXISTING REINFORCING PRIOR TO DRILLING. DO NOT CUT EXISTING REINFORCING. HOLES SHALL BE DRILLED WITH ROTARY IMPACT HAMMER OR EQUIVALENT METHOD TO PRODUCE A HOLE WITH A ROUGH INSIDE SURFACE. CORE DRILLING HOLES IS NOT PERMITTED.

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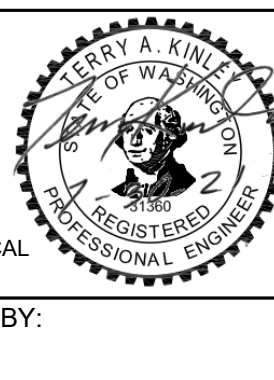
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ELECTRICAL PE STAMP IS APPLICABLE TO ELECTRICAL CONTENT ONLY.



LINE IS 1" AT FULL SCALE

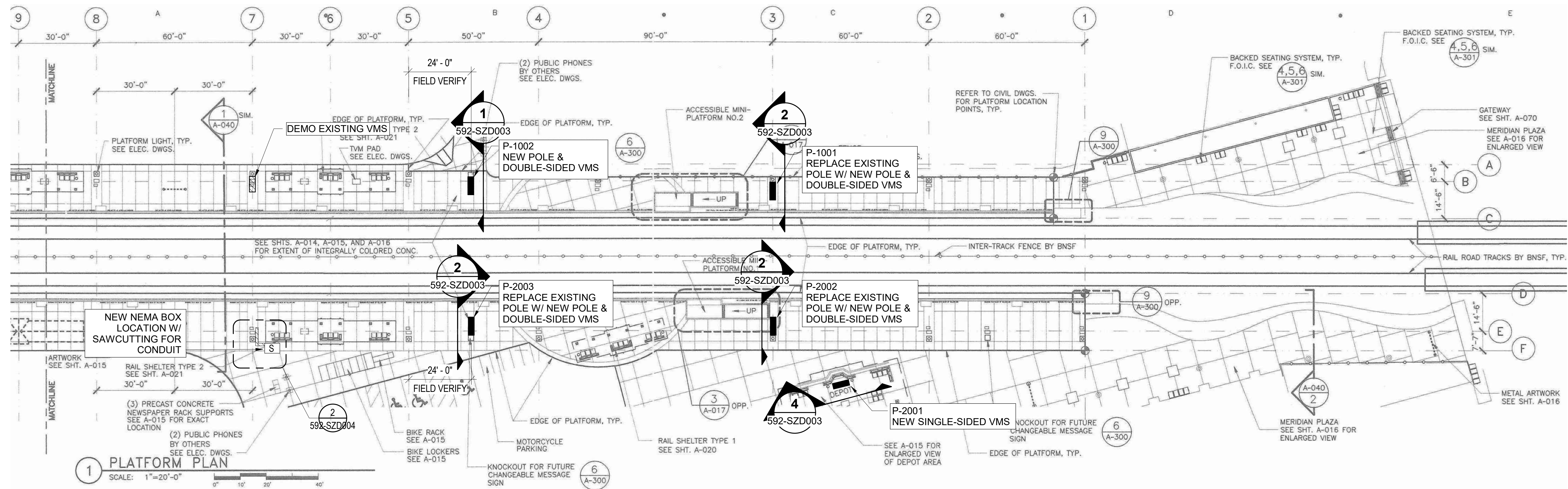


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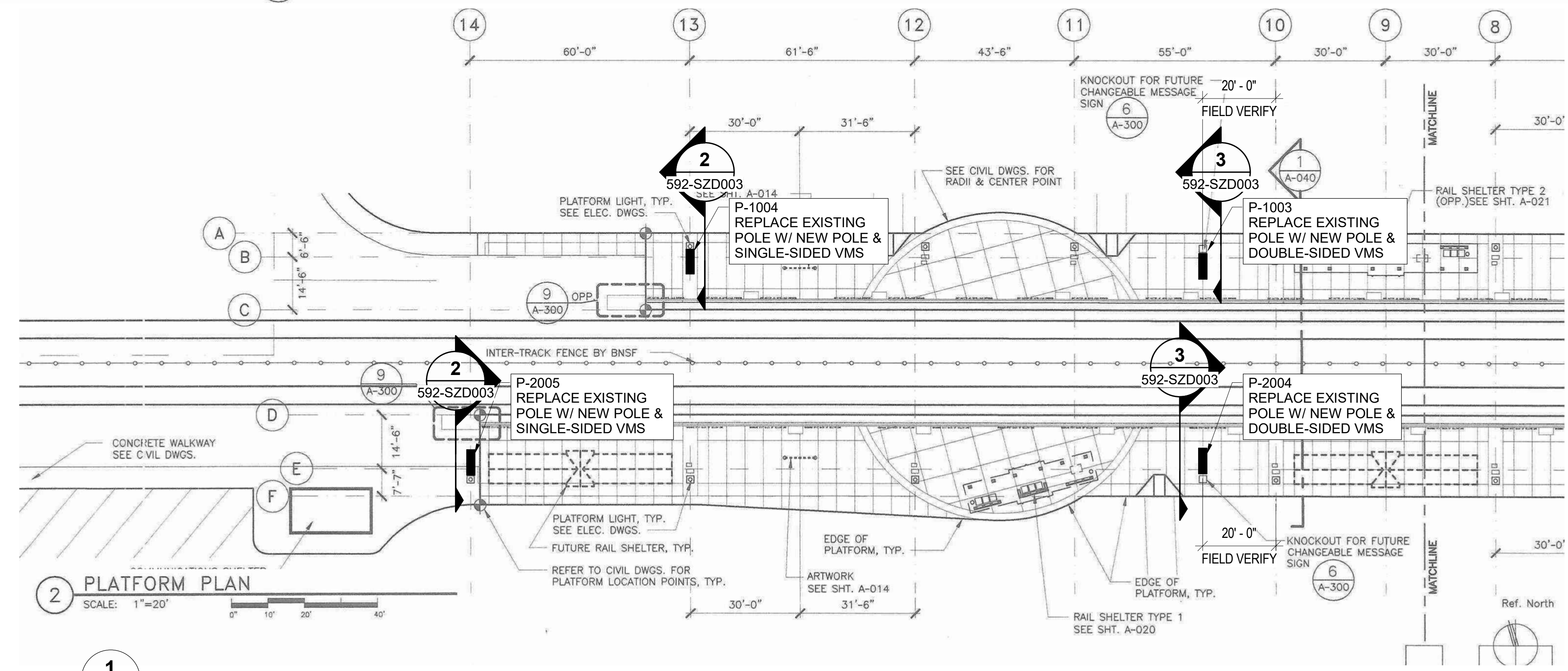
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1 PLATFORM PLAN
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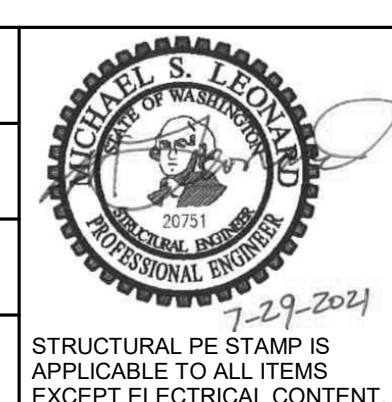
2 PLATFORM PLAN
SCALE: 1"=20'

NOTES:
1. AS-BUILT BACKGROUND INFORMATION SHOWN IS APPROXIMATE. INFORMATION SHOWN IS FOR LOCATING VMS SIGNS ONLY.

PLATFORM PLAN
SCALE: 3/64" = 1'-0"

PERMIT SET

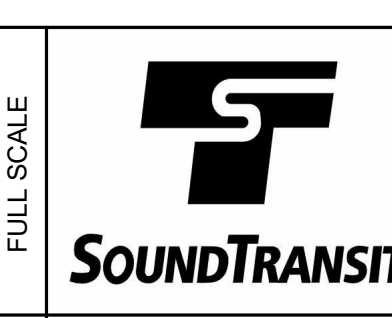
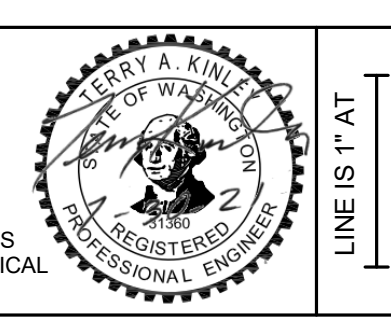
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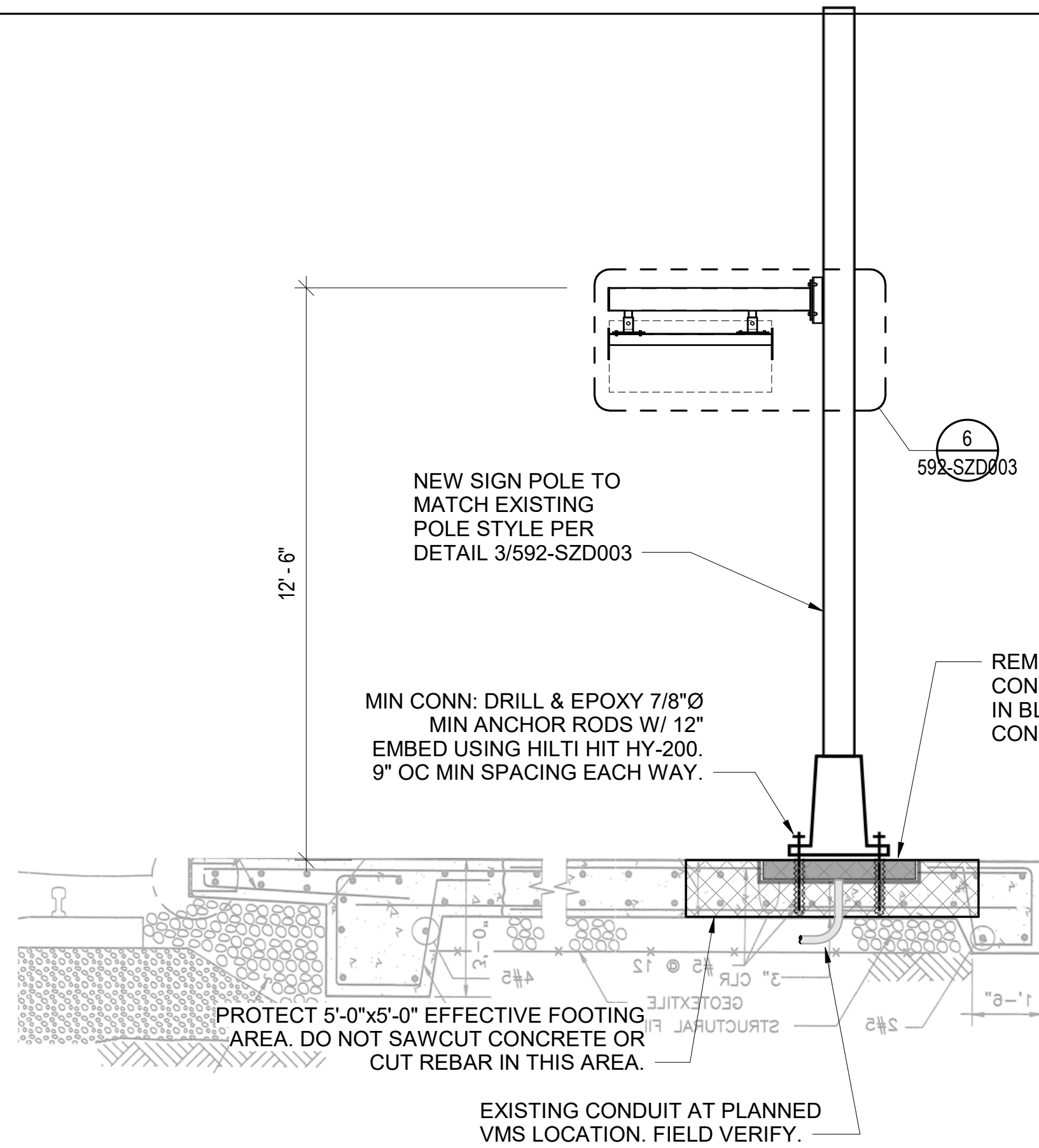
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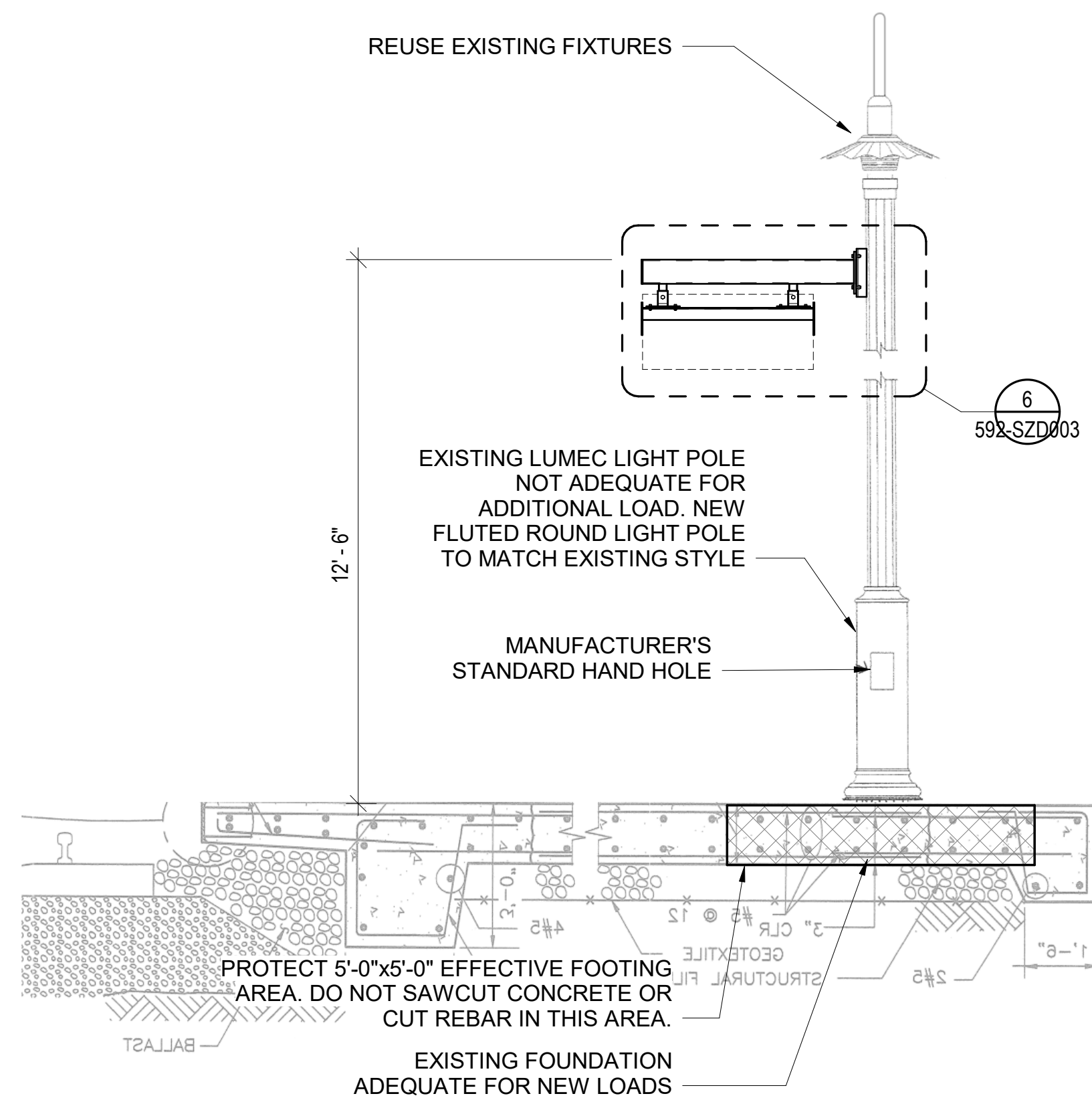
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DETAIL

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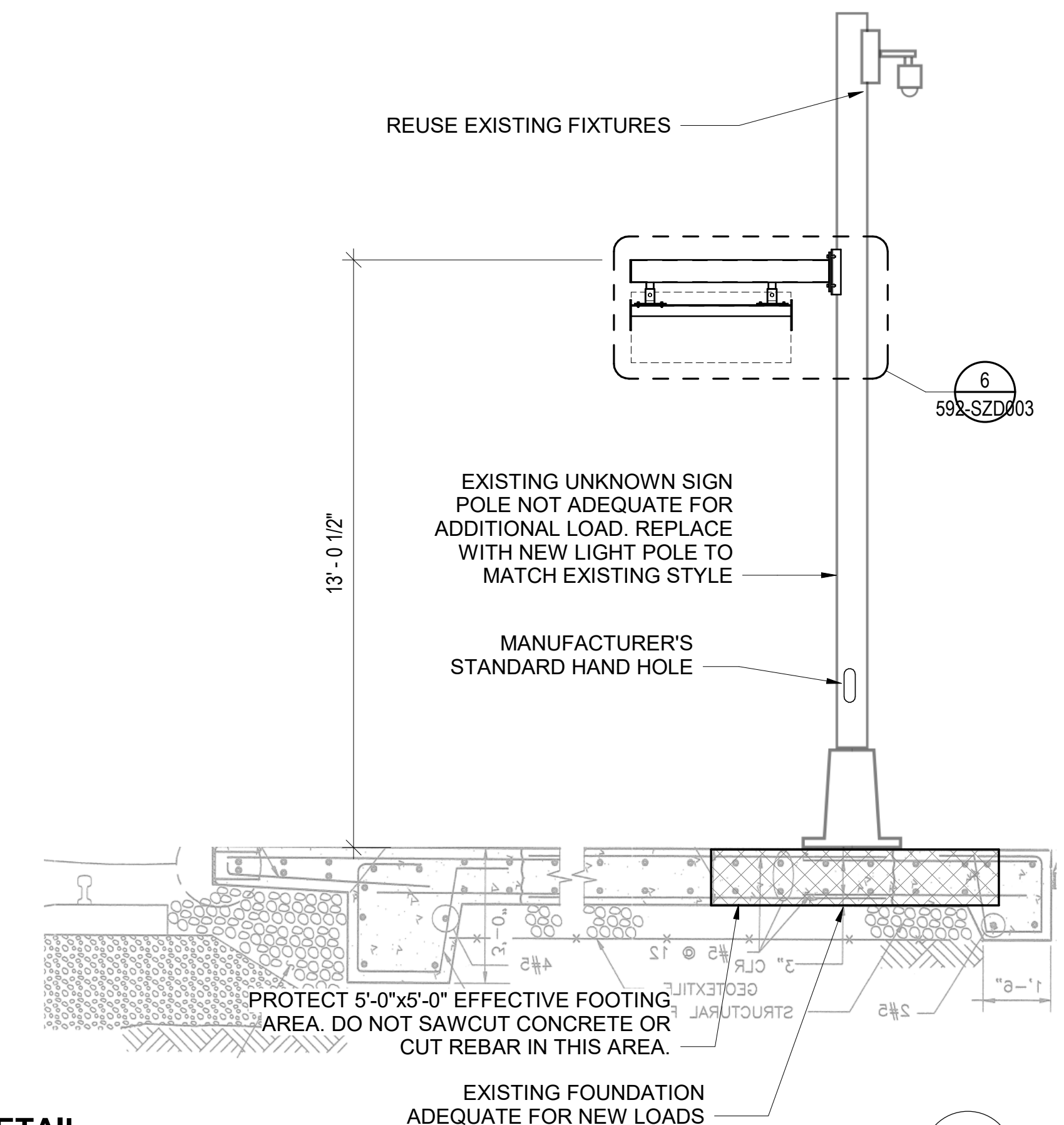
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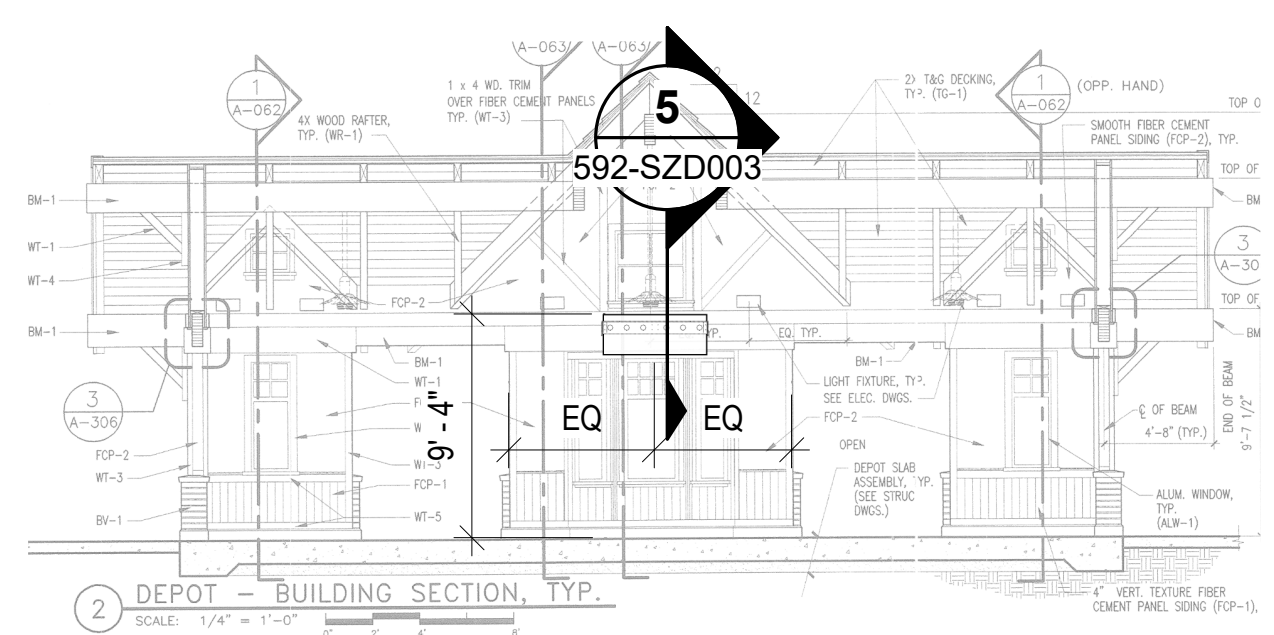
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DETAIL

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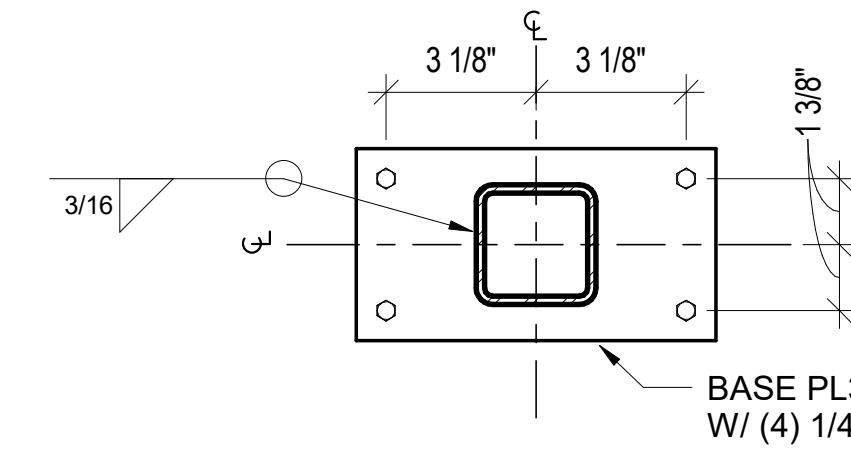
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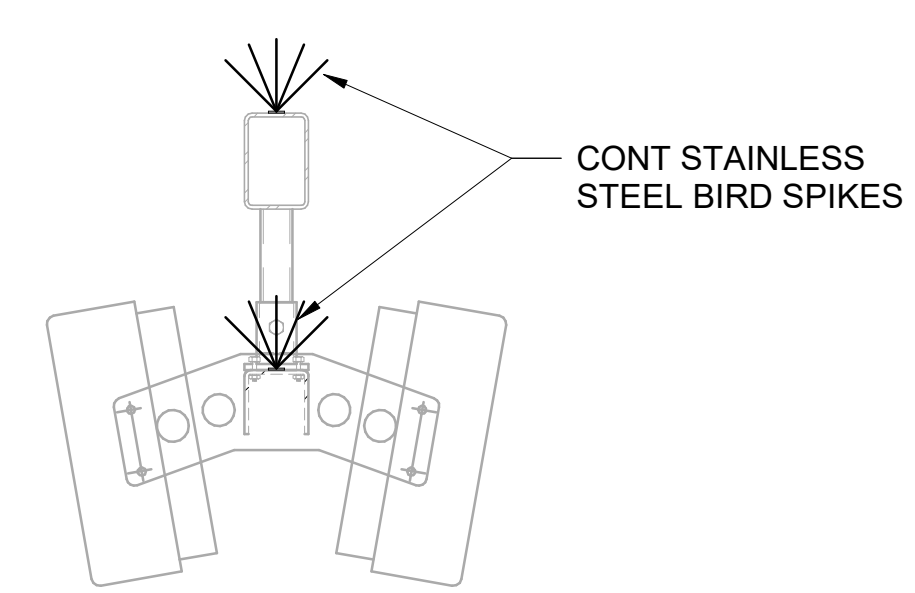
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DETAIL

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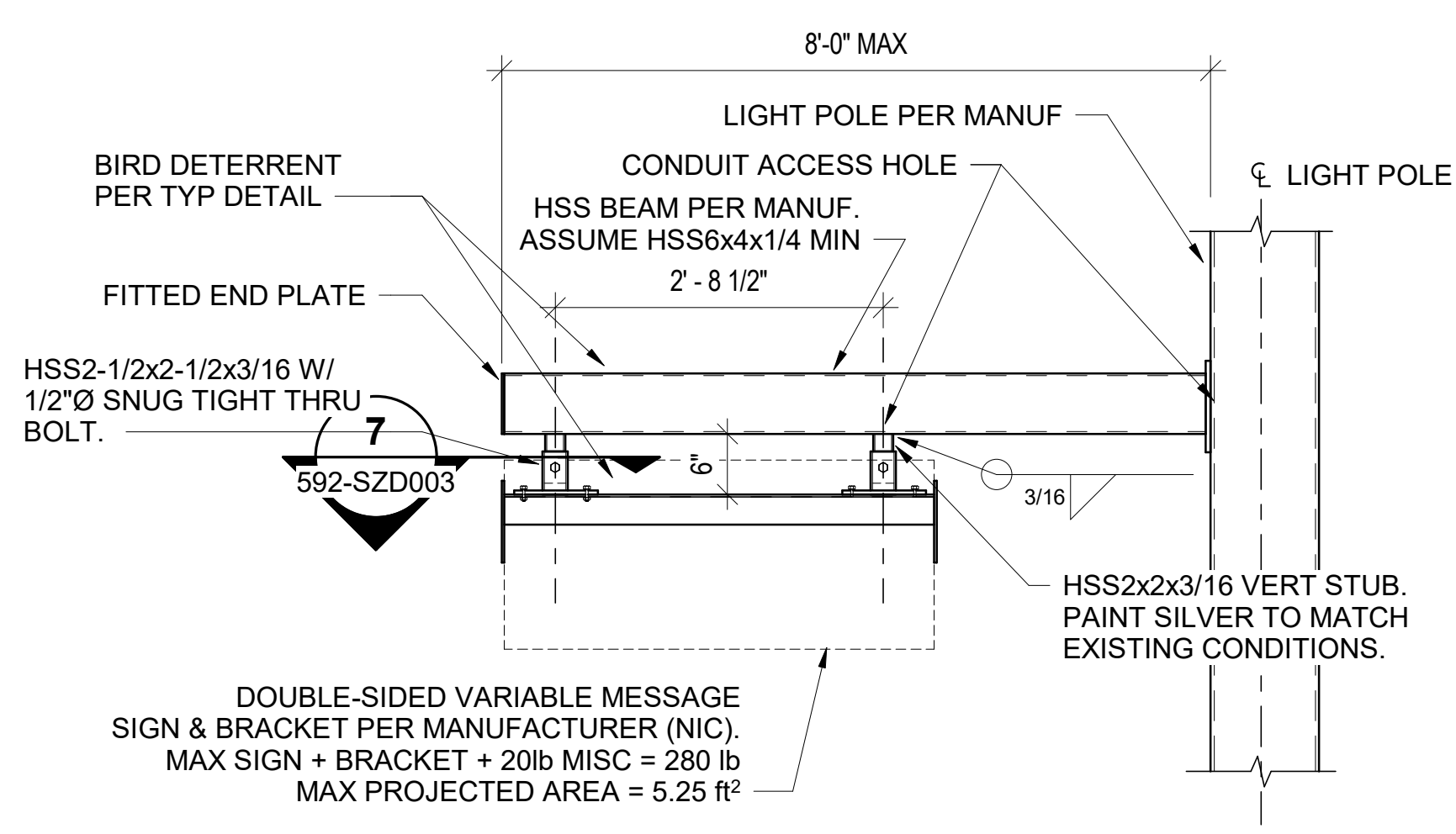
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TYPICAL BIRD DETERRENT DETAIL

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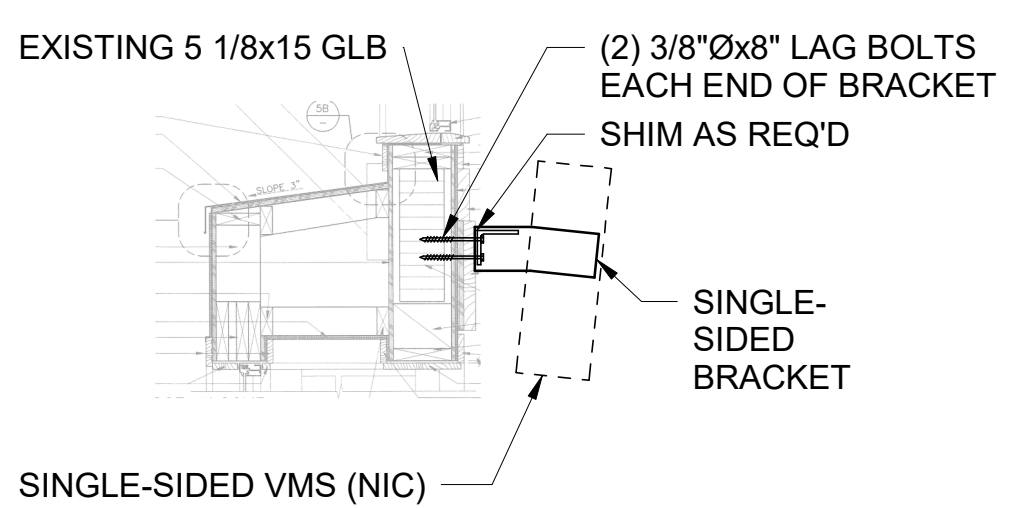
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DETAIL

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

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592-SZD003



DETAIL

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

5
592-SZD003

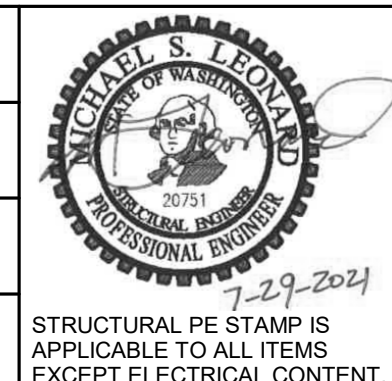
PUYALLUP STATION SIGN SCHEDULE								
STATION	SIGN ID	DISPLAY SIDES	MOUNTING TYPE	EXISTING SIGN LOC (NOTE 1)	REINSTALL EXISTING FIXTURES ON NEW POLE	SPEC 26 56 13 LIGHT POLE ASSEMBLIES	COMMENT	
PUYALLUP	P-1001	SINGLE	NEW ARM ON REPLACEMENT POLE	NO	ORCA READER, SPEAKERS	X		
PUYALLUP	P-1002	DOUBLE	NEW ARM AND POLE	NO		X		
PUYALLUP	P-1003	DOUBLE	NEW ARM ON REPLACEMENT POLE	YES	CAMERAS	X		
PUYALLUP	P-1004	SINGLE	NEW ARM ON REPLACEMENT POLE	NO	CAMERAS	X		
PUYALLUP	P-2001	SINGLE	OVERHEAD TO KIOSK STRUCTURE	NO				
PUYALLUP	P-2002	DOUBLE	NEW ARM ON REPLACEMENT POLE	NO	ORCA READER	X		
PUYALLUP	P-2003	DOUBLE	NEW ARM ON REPLACEMENT POLE	YES		X		
PUYALLUP	P-2004	DOUBLE	NEW ARM ON REPLACEMENT POLE	YES	CAMERAS	X		
PUYALLUP	P-2005	SINGLE	NEW ARM ON REPLACEMENT POLE	NO	CAMERAS	X		
TOTAL EXISTING SIGNS				3				
TOTAL NEW SIGNS				9				

NOTE 1: INSTALLED AT CURRENT LOCATION OF EXISTING SIGN

PERMIT SET

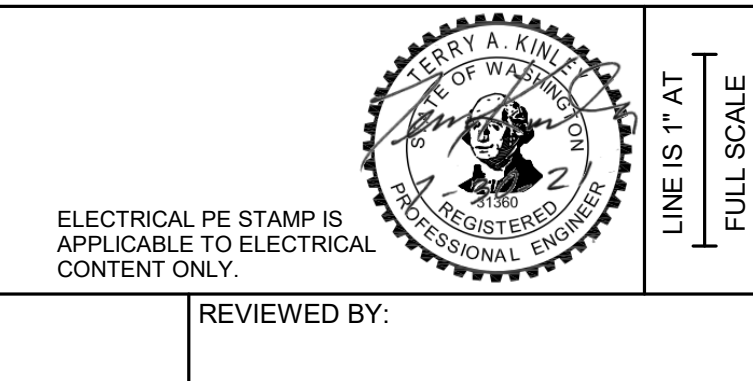
1	11/11/2021	JS	AE	ML	ADDENDUM 1
No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: J STEPHENS
 DRAWN BY: J STEPHENS
 CHECKED BY: A EVERSMAN
 APPROVED BY: A EVERSMAN



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 MLA project #: 2019.116.4

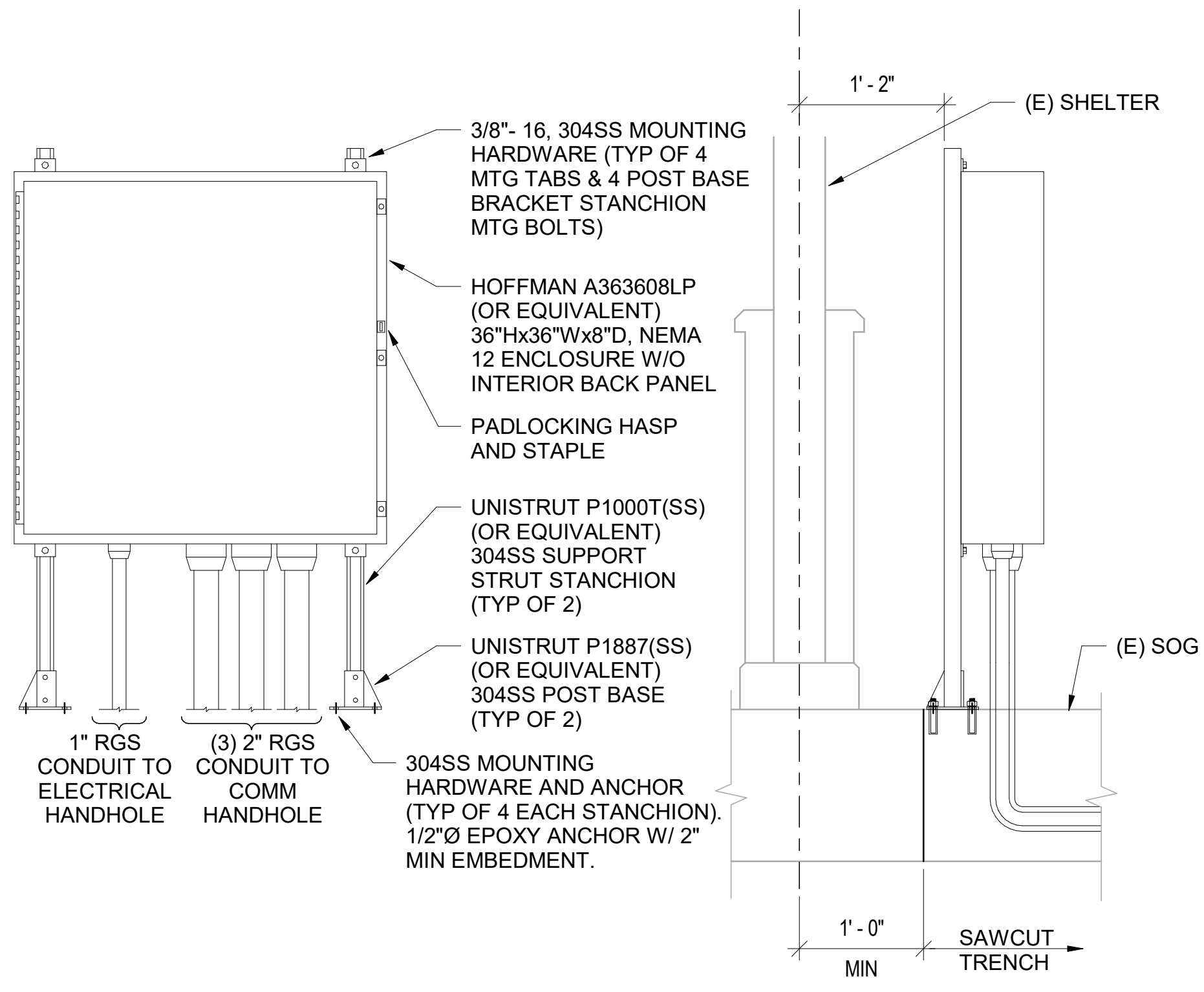
SUBMITTED BY: DATE: REVIEWED BY: DATE:



SOUND TRANSIT
 SCALE: As indicated
 FILENAME: 592-SZD003
 CONTRACT No.: RTA/CN 0072-21
 SUBMITTAL DATE: 11/11/2021

**SOUND TRANSIT COMMUTER RAIL
 PIMS SOUNDER CIVIL WORK**
 TASK ORDER 40.00
 STRUCTURAL
 STRUCTURAL DETAILS
 PUYALLUP STATION

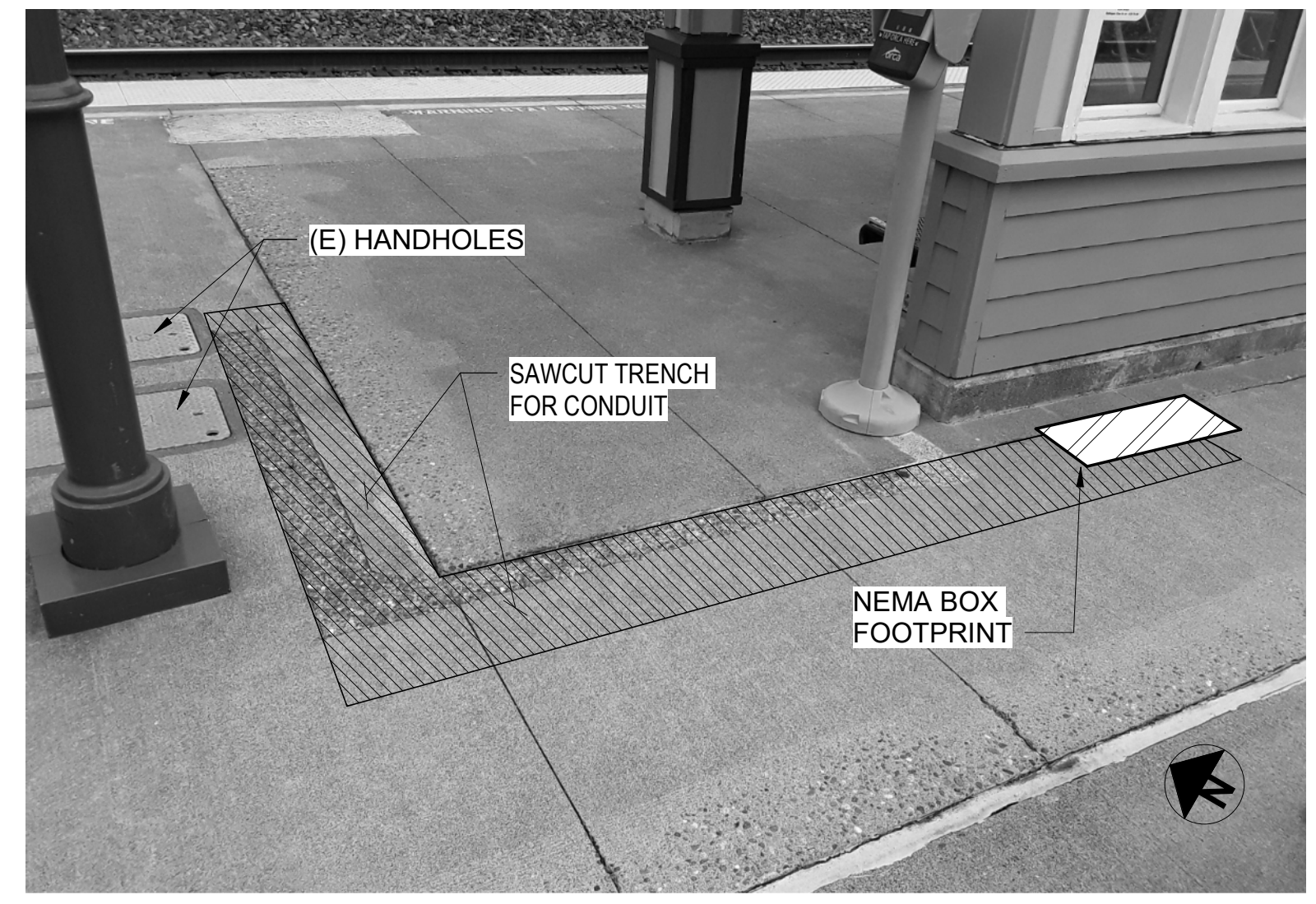
DRAWING No.: **592-SZD003**
 FACILITY ID: 592
 SHEET No.: 3 REV: 1



NEMA BOX DETAIL

SCALE: 1" = 1'-0"

1

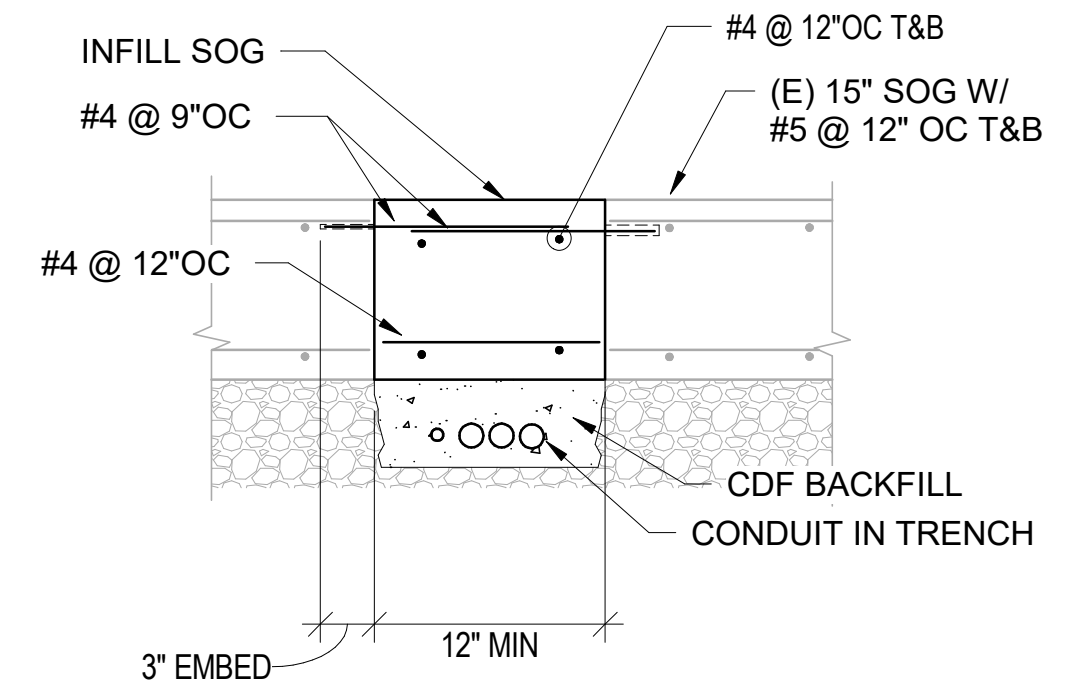


SAWCUT TRENCH LAYOUT

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

2

592-SFP002



- NOTES:
1. REFER TO DEMOLITION SPECIFICATIONS FOR SCANNING REQ'S PRIOR TO SAWCUTTING.
 2. DO NOT OVERCUT.

SOG SAWCUT TRENCH DETAIL

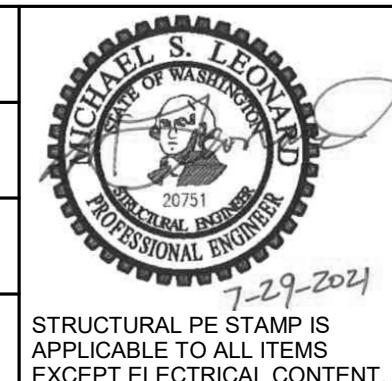
SCALE: 3/4" = 1'-0"

3

11/11/2021 3:17:02 PM C:\Users\jstephens\Documents\2019.116.4 - PIMS Rv\2020_MLA_JStephens(Recovery).rvt

PERMIT SET

DESIGNED BY:	J STEPHENS
DRAWN BY:	J STEPHENS
CHECKED BY:	A EVERSMAN
APPROVED BY:	A EVERSMAN



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SUBMITTED BY:	DATE:	REVIEWED BY:	DATE:



SOUNDTRANSIT

SCALE:	As indicated
FILENAME:	592-SZD004
CONTRACT No.:	RTA/CN 0072-21
SUBMITTAL DATE:	11/11/2021

SOUND TRANSIT COMMUTER RAIL
PIMS SOUNDER CIVIL WORK
 TASK ORDER 40.00

STRUCTURAL
 STRUCTURAL DETAILS
 PUYALLUP STATION

DRAWING No.:	592-SZD004
FACILITY ID:	592
SHEET No.:	4
REV:	

No.	DATE	DSN	CHK	APP	REVISION