

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0662-01	2019	129	194



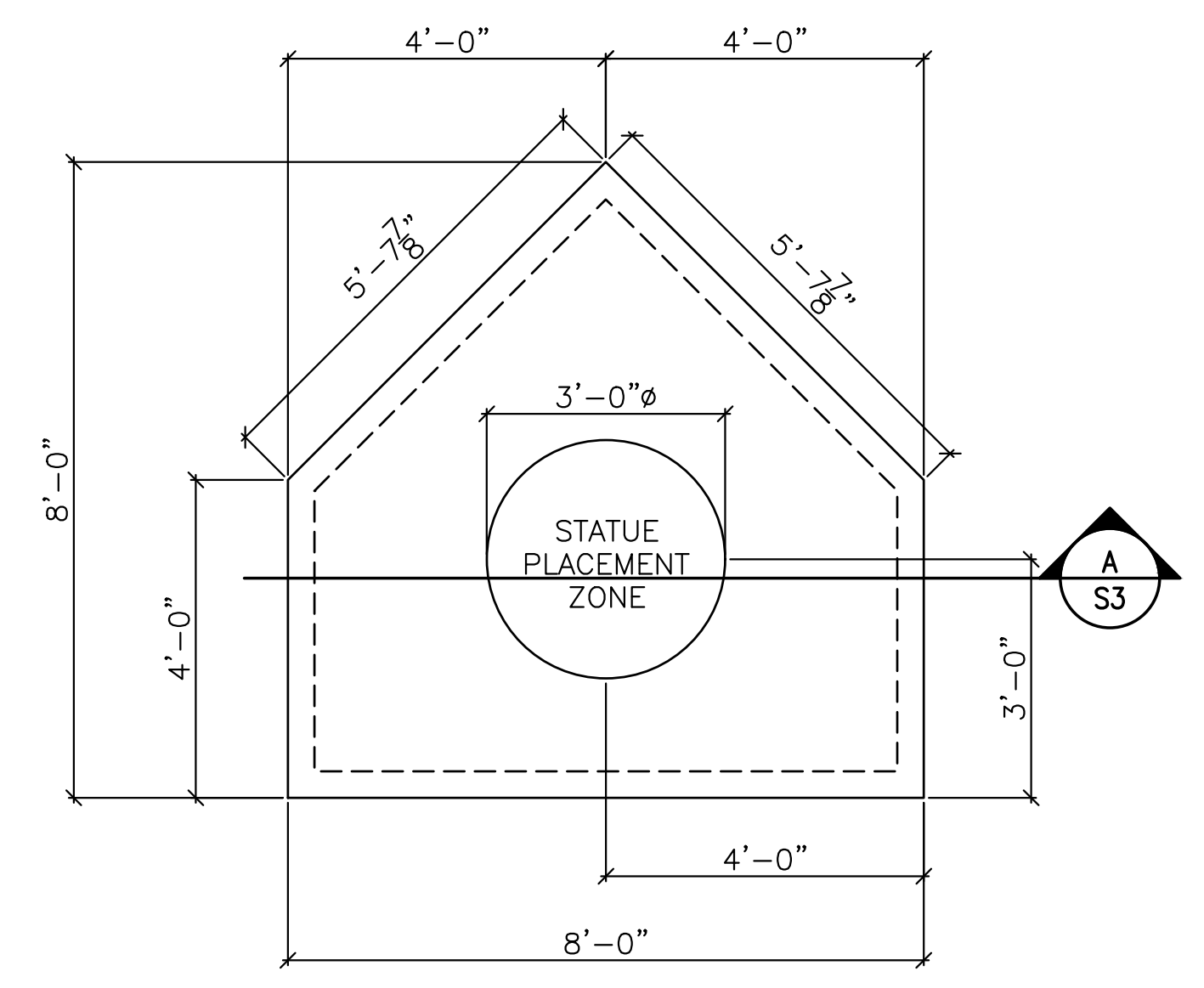
STREET IMPROVEMENTS FOR
17TH ST - BROADWAY TO I-135
FROM BROADWAY TO I-135

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STATUE BENCH DETAILS - S3

PROJECT NO.	87 N-0662-01	
DATE	8/30/2019	
SCALE	AS NOTED	
DESIGNED	DRAWN	CHECKED
WH	MLC	RR
NO.	REVISION	DATE

SHEET NO.
129 OF 194



BENCH PLAN

SCALE: 1/2" = 1'-0"
NOTE: REFER TO SHEET 111 FOR LOCATIONS

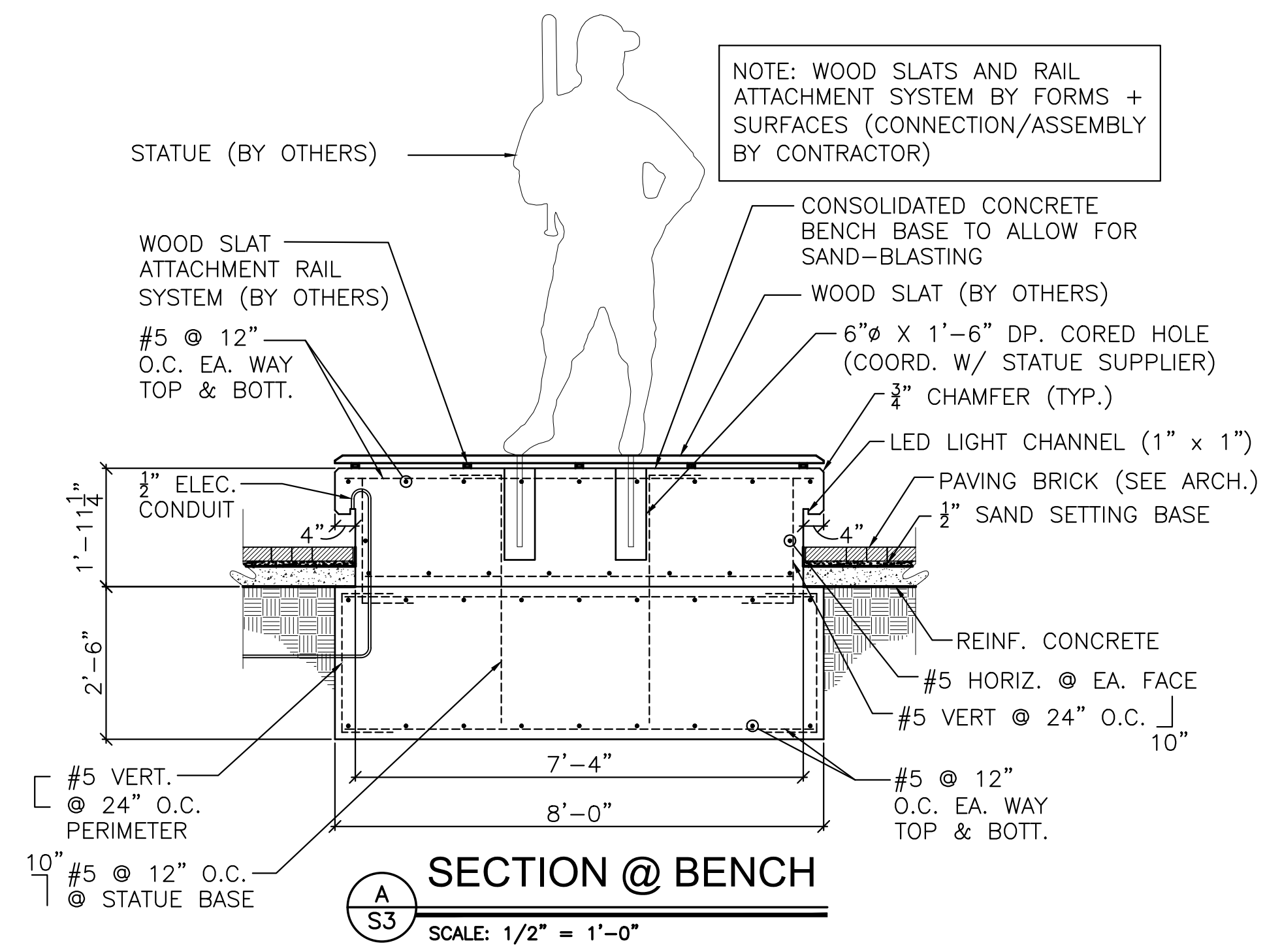
STRUCTURAL GENERAL NOTES:

- DESIGN AND CONSTRUCTION SHALL CONFORM TO THE "INTERNATIONAL BUILDING CODE, 2012 EDITION", AS AMENDED AND ADOPTED BY THE WICHITA-SEDGWICK COUNTY, KANSAS METROPOLITAN AREA BUILDING AND CONSTRUCTION DEPARTMENT.
- DESIGN CRITERIA AND LOADS: ROOF LIVE LOAD - 20 PSF WITH CODE PROVISIONS FOR SNOW DRIFTING (FC = 15 PSF) ULTIMATE WIND SPEED - 115 MPH (3 SECOND GUST), (90 MPH NOMINAL DESIGN) EXPOSURE C; RISK CATEGORY II; SEISMIC DESIGN CATEGORY - B; SEISMIC SITE CLASS - D;
- THE TOTAL LOAD SOIL BEARING PRESSURE DOES NOT EXCEED 2000 PSF FOR ALL COLUMN FOOTINGS BEARING INTO UNDISTURBED NON-ORGANIC COHESIVE SOILS OR INTO AN ENGINEERED, TESTED, CONTROLLED FILL. THE CONTRACTOR SHALL PROVIDE SOIL TESTING SERVICES TO CONFORM SOIL CONDITIONS/BEARING VALUES AND PROVIDE WRITTEN VERIFICATIONS TO THE ARCHITECT AND ENGINEER. IF ACTUAL SITE CONDITIONS DO NOT SATISFY DESIGN REQUIREMENTS, COORDINATE ADJUSTMENTS WITH THE ARCHITECT AND ENGINEER. ALL PERIMETER AND EXTERIOR FOOTINGS SHALL EXTEND AT LEAST 3'-6" BELOW ADJACENT GRADE.
- FOOTINGS MAY BE POURED TO NEAT LINES OF EXCAVATIONS PROVIDING VERTICAL LINES OF EXCAVATIONS CAN BE MAINTAINED DURING CONCRETE PLACEMENT.
- BEAMS, COLUMNS, WALLS AND FOOTINGS CENTER SHALL BE CENTERED UNDER SUPPORTING MEMBERS (TYPICAL UNLESS NOTED).
- CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" (VERIFY WITH ARCHITECT).
- NO ALUMINUM SHALL BE IMBEDDED IN ANY CONCRETE.
- ALL STRUCTURAL REGULAR WEIGHT CAST-IN-PLACE CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS (TYPICAL UNLESS NOTED). SLABS ON GRADE, TOPPING SLAB, AND SLAB ON METAL DECK SHALL BE 3500 PSI AT 28 DAYS. ALL CONCRETE SHALL BE IN CONFORMANCE WITH THE LATEST A.C.I. 301 STANDARDS PUBLICATION.
- ALL REINFORCING BARS SHALL MEET ASTM A615 GRADE 60.
- REINFORCING BARS QUANTITIES SHOWN ARE FOR ESTIMATING PURPOSES ONLY.
- PROVIDE 150 LBS. OF EXTRA BARS OF VARIOUS SIZES USED ON THIS PROJECT TO BE USED AS DIRECTED: INCLUDE LABOR FOR PLACEMENT.
- CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE 3/4" CLEAR FOR SLABS, 2" CLEAR FOR FORMED SURFACES AND 3" CLEAR FOR FOOTINGS (TYPICAL UNLESS NOTED).
- REINFORCEMENT SHALL BE CONTINUOUS AND LAPPED 40 BAR DIAMETERS (2' -0" MIN.) EXCEPT AS NOTED AND PROVIDE CORNER BARS OF SAME SIZE AND SPACING.
- REINFORCEMENT SHALL BE DETAILED IN ACCORDANCE WITH THE LATEST A.C.I. DETAILING MANUAL BY A QUALIFIED AND EXPERIENCED PERSON AND FIRM. PLACE AND SUPPORT REINFORCEMENT WITH ACCESSORIES: MAXIMUM SPACING - 48" CENTERS. USE 3" SBP SUPPORTS ON ALL FOOTINGS.
- CONTRACTOR SHALL VERIFY THAT ALL REINFORCEMENTS, INSERTS, SLEEVES AND EMBEDDED ITEMS ARE PROPERLY LOCATED AND RIGIDLY SECURED PRIOR TO CONCRETE PLACEMENT.
- ALL MESH SHALL MEET ASTM A-185: LAP A MINIMUM OF 8" OR ONE FULL MESH, WHICHEVER IS GREATER.
- SLAB ON GRADE SHALL BE 4" THICK WITH 6X6-WW1.4XW1.4 W.W.F. AT THE CENTER OF SLAB THICKNESS IN THE VESTIBULE ENTRY, UNLESS NOTED.
- ALL ANCHORS WHERE NOTED SHALL BE MANUFACTURED BY HILTI, INC. AND INSTALLED PER HILTI SPECIFICATIONS. HILTI HY200 ANCHORS SHALL USE HILTI "SAFE SET" INSTALLATION METHODS. SUBSTITUTIONS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL WITH APPROPRIATE ICC-ES EVALUATION REPORTS.
- STRUCTURAL STEEL SHALL MEET ASTM A992 (FY = 50 KSI MIN.), STEEL ANGLES, CHANNELS AND PLATE SHALL MEET ASTM A36 (FY = 36 KSI MIN.), STRUCTURAL TUBING (HSS) - ASTM A500 GRADE B (FY = 46 KSI), AND ANCHOR BOLTS - ASTM F-1554, GRADE 36, TYPICAL UNLESS NOTED.
- STRUCTURAL STEEL COLUMN ANCHOR BOLTS SHALL BE SET WITH A TEMPLATE.
- STRUCTURAL STEEL SHALL BE NEW AND MEET THE FOURTEENTH EDITION A.I.S.C. "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS AND BRIDGES", AND THE "CODE OF STANDARD PRACTICES FOR STEEL BUILDINGS AND BRIDGES", EXCLUDING SECTION 4.4.1.B.
- ANY SHOP AND FIELD SPLICES WITHIN THE STEEL MEMBERS DESIGN LENGTH MUST BE MADE WITH A FULL PENETRATION WELD AND PROVED ADEQUATE BY NON-DESTRUCTIVE TESTING AT THE CONTRACTORS EXPENSE.
- WELDING SHALL CONFORM TO THE CURRENT A.W.S. "STRUCTURAL WELDING CODE - STEEL" AND "STRUCTURAL WELDING CODE - SHEET STEEL" SPECIFICATIONS.
- HOLES, PIPES, SLEEVES, ETC. NOT SHOWN ON THE DRAWING MUST BE REVIEWED BY THE ENGINEER BEFORE PLACEMENT THROUGH STRUCTURAL MEMBERS.
- IF MECHANICAL AND ELECTRICAL EQUIPMENT SIZES, WEIGHTS, OR LOCATIONS DO NOT COINCIDE WITH EQUIPMENT SHOWN ON THE PLANS, COORDINATE ADJUSTMENTS WITH THE ENGINEER.
- NO AREA OF THE STRUCTURE SHALL BE LOADED WITH CONSTRUCTION MATERIALS OR EQUIPMENT THAT EXCEEDS FINAL DESIGN CRITERIA.
- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTORS RESPONSIBILITY TO EXECUTE AND DETERMINE FINAL ERECTION PROCEDURES, SEQUENCING AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYING OR TIE DOWNS WHICH MIGHT BE NECESSARY.
- FABRICATORS AND SUPPLIERS SHALL CLEARLY NOTE CHANGES MADE IN SHOP DRAWINGS WHICH DIFFER FROM CONSTRUCTION DOCUMENTS.
- SURFACE WATER SHALL NOT BE ALLOWED TO STAND ADJACENT TO OR DRAIN TOWARDS THE FOUNDATION UNDER ANY CIRCUMSTANCES. PAVEMENTS OR GRADED SOIL AT THE PERIMETER OF THE BUILDING, EXCEPT AS REQUIRED AT EXITS OR AS NOTED, SHALL BE SLOPED AWAY AT 5% OR 6 INCHES MINIMUM FOR THE FIRST 10 FEET.
- THE STRUCTURE FOUNDATION IS NOT DESIGNED FOR FUTURE EXPANSION.
- IF DISCREPANCIES EXIST BETWEEN STRUCTURAL PLANS, OTHER PLANS, OR SPECIFICATIONS, THE CONTRACTOR OR SUB-CONTRACTOR SHALL PROVIDE A WRITTEN REQUEST FOR CLARIFICATION FROM THE OWNERS REPRESENTATIVE AND/OR ENGINEER BEFORE PROCEEDING WITH THE WORK.
- CONTRACTOR TO VERIFY ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE OWNERS REPRESENTATIVE IMMEDIATELY.

STRUCTURAL STEEL:

COLOR: SHERWIN WILLIAMS SW 7673 (PEWTER CAST) OR AN APPROVED EQUAL. COORDINATE WITH ARCHITECT / LANDSCAPE ARCHITECT.

PAINT: ALL PARTS OF THE SHADE STRUCTURES SHALL BE PAINTED. SURFACE PREPERATION SHALL BE SSPC-SP2. THE PRIMER COAT SHALL CONFORM TO THE INORGANIC ZINC SYSTEM. THE FINISH COAT SHALL BE IN ACCORDANCE WITH WATER-BORNE ACRYLIC FINISH COAT.



SECTION @ BENCH

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

PLOTTER: Tuesday, September 03, 2019 @ 11:23AM

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