<u>GENERAL</u>	NOTES:

<u>REFERENCE SHALL BE MADE TO THE FOLLOWING</u>	
STANDARD DRAWINGS:	

STANDAN	<u>D DNAVINGS.</u>
AS-1-15	REVISED 07-17-2015
AS-2-15	REVISED 01-18-2019
SBR-1-20	REVISED 07-17-2020
SICD-1-21	REVISED 01-21-2022
SICD-2-14	REVISED 01-15-2021
TVPF-1-18	DATED 07-20-2018
VPF-1-90	REVISED 07-20-2018
HL-20.14	REVISED 04-17-2020
HL-30.32	REVISED 04-17-2020

REFERENCE SHALL BE MADE TO THE FOLLOWING SUPPLEMENTAL SPECIFICATIONS: 800 DATED 5-02-2022

DESIGN DATA:

CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4.0 KSI (SUBSTRUCTURE)

CONCRETE CLASS QC2 - COMPRESSIVE STRENGTH 4.5 KSI (SUPERSTRUCTURE)

REINFORCING STEEL - MINIMUM YIELD STRENGTH 60 KSI

STRUCTURAL STEEL - ASTM A709 GRADE 50

STEEL HP SECTIONS - ASTM A572 - YIELD STRENGTH 50 KSI

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO THE 9TH EDITION OF THE LRFD BRIDGE DESIGN SPECIFICATIONS ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2020 AND THE ODOT BRIDGE DESIGN MANUAL, 2020

DECK DESIGN LOADING

DESIGN LOADING INCLUDES: VEHICULAR LIVE LOAD: HL-93 FUTURE WEARING SURFACE (FWS) OF 0.060 KIPS/SQ.FT

EXISTING STRUCTURE PLANS THE EXISTING STRUCTURE PLANS ARE AVAILABLE ONLINE THROUGH THE FOLLOWING WEBSITE: ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/D08-102781/Reference%20Files/

IT IS THE RESPONSIBLITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH ALL PERTINENT EXISTING DRAWINGS AND DETAILS RELEVANT TO THIS PROJECT.

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD **OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY. THEY** ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO C&MS SECTIONS 102.05, 105.02 AND 513.04. BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

CUT LINE CONSTRUCTION JOINT PREPARATION SAW CUT BOUNDARIES OF PROPOSED CONCRETE REMOVALS 1 INCH DEEP. REMOVE CONCRETE TO A ROUGH SURFACE. LEAVE THE EXISTING REINFORCING STEEL, IF REQUIRED IN THE PLANS, IN PLACE. INSTALL DOWEL BARS IF SPECIFIED. PRIOR TO CONCRETE PLACEMENT ABRASIVELY CLEAN JOINT SURFACES AND EXISTING EXPOSED REINFORCEMENT TO REMOVE LOOSE AND DISINTEGRATED CONCRETE AND LOOSE RUST. THOROUGHLY CLEAN THE JOINT SURFACE AND EXPOSED REINFORCEMENT OF ALL DIRT, DUST, RUST OR OTHER FOREIGN MATERIAL BY THE USE OF WATER, AIR UNDER PRESSURE, OR OTHER METHODS THAT PRODUCE SATISFACTORY RESULTS. EXISTING REINFORCING STEEL DOES NOT HAVE TO HAVE A BRIGHT STEEL FINISH BUT REMOVE ALL PACK AND LOOSE RUST. THOROUGHLY DRENCH EXISTING CONCRETE SURFACES WITH CLEAN WATER AND ALLOW TO DRY TO A DAMP CONDITION BEFORE PLACING CONCRETE.

ITEM 202 - PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN. AS PER PLAN THIS WORK CONSISTS OF REMOVAL OF THE EXISTING BARRIER EXISTING FENCE. EXISTING EXPANSION JOINTS. EXISTING PIER BEARINGS, EXISTING ABUTMENT BEARINGS, PORTIONS OF THE EXISTING ABUTMENT BACKWALL AND WINGWALLS. WHEN REPLACING THE ABUTMENT BEARINGS USE TEMPORARY SUPPORTS DURING CONSTRUCTION, SEE ITEM 516-JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE FOR DETAILS. THE PROVISIONS OF ITEM 202 APPLY EXCEPT AS SPECIFIED BY THE FOLLOWING NOTES. PERFORM WORK CAREFULLY DURING REMOVALS TO PROTECT PORTIONS OF SUCH SYSTEMS THAT ARE TO BE SALVAGED AND INCORPORATED INTO THE PROPOSED STRUCTURE. THE USE OF EXPLOSIVES, HEADACHE BALLS AND/OR HOE RAM TYPE OF EQUIPMENT IS PROHIBITED. REMOVE CONCRETE BY MEANS OF APPROVED PNEUMATIC HAMMERS EMPLOYING POINTED AND BLUNT CHISEL TOOLS. THE WEIGHT OF THE HAMMER SHALL NOT BE MORE THAN 35 POUNDS FOR REMOVAL OF CONCRETE. DO NOT PLACE PNEUMATIC HAMMERS IN DIRECT CONTACT WITH REINFORCING STEEL THAT IS TO BE RETAINED IN THE REBUILT STRUCTURE. SUBMIT CONSTRUCTION PLANS ACCORDING TO CMS 501.05.

THE CONTRACTOR MUST REVIEW THE STRUCTURE WHEN PREPARING HIS BID. THE CONTRACTOR WILL REVIEW THE CONDITION OF THE STRUCTURE TO DETERMINE WHAT DEBRIS WILL FALL FROM THE STRUCTURE DURING REMOVAL. THE CONTRACTOR WILL DETERMINE THE CORRESPONDING COST TO CLEAN UP ANY AND ALL DEBRIS WHICH FALLS FROM THE STRUCTURE DURING ANY REMOVAL OPERATION. THE COST TO CLEAR AND CLEAN UP ALL DEBRIS DURING REMOVAL SHALL BE INCLUDED WITH THE BID FOR THIS ITEM OF WORK. NO ADDITIONAL COST WILL BE RECOGNIZED TO CLEAN DEBRIS RESULTING FROM THE STRUCTURE REMOVAL OPERATION.

ALL UTILITIES MUST REMAIN ACTIVE DURING CONSTRUCTION UNLESS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL TEMPORARILY SUPPORT ANY CONDUITS AND ELECTRICAL BOXES AS NECESSARY TO PERFORM THE REPAIRS.

REMOVALS SHALL BE PERFORMED IN ACCORDANCE WITH MAINTENANCE OF TRAFFIC PLANS AND NOTES.

ITEM 503 - COFFERDAMS AND EXCAVATION BRACING. AS PER PLAN:

THE DESIGN SHOWN ON THE PLANS FOR TEMPORARY SUPPORT OF EXCAVATION IS ONE REPRESENTATIVE DESIGN THAT MAY BE USED TO CONSTRUCT THE PROJECT. THE CONTRACTOR MAY CONSTRUCT THE DESIGN SHOWN ON THE PLANS OR PREPARE AN ALTERNATE DESIGN TO SUPPORT THE SIDES OF EXCAVATIONS. IF CONSTRUCTING AN ALTERNATE DESIGN FOR TEMPORARY SUPPORT OF EXCAVATION. PREPARE AND PROVIDE PLANS IN ACCORDANCE WITH C&MS 501.05. THE DEPARTMENT WILL PAY FOR THE TEMPORARY SUPPORT OF EXCAVATION AT THE CONTRACT LUMP SUM PRICE FOR COFFERDAMS AND EXCAVATION BRACING. THE DEPARTMENT WILL NOT MAKE ADDITIONAL PAYMENT FOR PROVIDING AN ALTERNATE DESIGN

ITEM 510 - DOWEL HOELS WITH NONSHRINK, NONMETALLIC GROUT. AS PER PLAN USE AN ANCHOR ADHESIVE EVALUATED ACCORDING TO ICCES REPORT AC308. "ACCEPTANCE CRITERIA FOR POST-INTALLED ADHESIVE ANCHORS IN CONCRETE ELEMENTS". FOR CRACKED AND UNCRACKED CONCRETE APPLICATIONS, PUBLISHED ICCES REPORTS FOR ACCEPTABLE PRODUCTS ARE AVAILABLE AT:

WWW.ICC-ES.ORG/EVALUATION REPORTS/INDEX.SHTML

SELECT FROM ON THE FOLLOWING APPROVED PRODUCTS:

DEWALT/POWERS FASTENERS PURE 110+ EPOXY ADHESIVE ANCHOR SYSTEM (ICCES REPORT ESR-3298)

ADHESIVES TECHNOLOGY CORPORATION (ATC) ULTRABOND HS1CC ADHESIVE ANCHOR SYSTEM (ICCES REPORT ESR-4057)

HILT HIT-HY 200 ADHESIVE ANCHOR SYSTEM (ICCES REPORT ESR-3187)

INSTALL ADHESIVE ANCHORS ACCORDING THE MANUFACTURER'S INSTALLATION INSTRUCTIONS PUBLISHED IN SECTION 4.3 OF THE ICCES REPORTS LISTED ABOVE. THE MINIMUM EMBEDMENT DEPTH FOR ANCHORS SHALL BE AS SHOWN IN THE PLANS.

AS PER PLAN

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ITEM 512 - SEALING OF CONCRETE STRUCTURES,

ITEM 512 - SEALING OF CONCRETE STRUCTURES. AS PER PLAN (CONTINUED)

DUE TO THE RECENT SUPPLY SHORTAGES. THE DEPARTMENT HAS BEEN MADE AWARE OF DIFFICULTIES THAT SUPPLIERS ARE HAVING IN OBTAINING THE NECESSARY MATERIALS FOR EPOXY. ON THIS PROJECT THE CONTRACTOR CAN USE TRADITIONAL EPOXY-URETHANE SEALERS APPROVED ON THE QPL OR ELECT TO SUBSTITUTE BRIDGE COTE XL-70 W/SILANE THAT IS LISTED ON THE APPROVED NOISE SUPPLIER LIST UNDER APPROVED SEALERS FOR NOISE BARRIERS. APPROVEDNOISESUPPLIERSLIST.PDF (OHIO.GOV) .

IF BRIDGE COTE XL-70 W/SILANE IS CHOSEN, MEET THE REQUIREMENTS OF THE BRIDGE COTE XL-70 W/SILANE TECHNICAL DATA SHEET WITH THE EXCEPTION OF THE SURFACE PREPARATION THAT WILL STILL FOLLOW THE REQUIREMENTS LISTED UNDER C&MS 512 FOR EPOXY URETHANE SEALERS.

ITEM 514 - FIELD PAINTING OF EXISTING STRUCTURAL STEEL FIELD PAINT THE EXISTING STRUCTURAL STEEL USING OZEU SPECIFICATIONS. COLOR TO BE FEDERAL COLOR NUMBER 14277.

ITEM 514 - FIELD PAINTING OF EXISTING STRUCTURAL STEEL PRIME COAT, AS PER PLAN

PRIOR TO ENCASING THE BEAM ENDS. PREPARE THE ENDS PER SSPC SP10 OR SSPC SP11 TO BARE METAL ACHIEVING A 1.5 TO 3.5 MIL PROFILE. PAINT THE BEAM ENDS WITH ORGANIC ZINC PRIME COAT PER C&MS 514. PROVIDE THE PRIME COAT THICKNESS AS PER C&MS 514.20. EXTEND THE LIMITS OF THE BEAM PREPARATION AND PAINTING 1-FT BEYOND THE LIMITS OF THE END DIAPHRAGM CONCRETE. AFTER THE DIAPHRAGM CONCRETE IS SET, SEAL THE INTERFACE BETWEEN THE BEAM AND CONCRETE WITH CAULK. THE DEPARTMENT WILL PAY FOR ALL ABOVE LABOR AND AT THE CONTRACT BID PRICE FOR ITEM 514 – FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT, AS PER PLAN.

ITEM 516 - JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN

THIS WORK CONSISTS OF TEMPORARILY SUPPORTING THE EXISTING STRUCTURES TO COMPLETE THE WORK AS DEFINED IN THE PROJECT PLANS. SUBMIT CONSTRUCTION PLANS IN ACCORDANCE WITH CMS 501.05.

THE EXISTING STRUCTURE WILL BE RAISED AN AVERAGE OF APPROXIMATELY 9 INCHES TO PROVIDE INCREASED VERTICAL CLEARANCES. IT IS ASSUMED THE BRIDGE WILL BE JACKED AFTER THE DECK AND BARRIERS HAVE BEEN REMOVED. RESULTING IN THE FOLLOWING DEAD LOAD REACTIONS (KIPS) DURING JACKING:

	REAR ABUT.	PIER 1	PIER 2	PIER 3	FWD ABUT.
EXTERIOR BEAMS	4.3	19.5	22.8	19.5	4.3
INTERIOR BEAMS	4.5	20.3	23.7	20.3	4.5

JACKING SHALL BE DONE IN ACCORDANCE WITH CMS 501.05.B.5 WITH CAREFUL ATTENTION TO ENSURE BEAMS ARE RAISED UNIFORMLY.

THE DEPARTMENT WILL MEASURE THIS WORK ON A LUMP SUM BASIS.

THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES AT THE CONTRACT PRICE FOR ITEM 516 - JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE. AS PER PLAN.

ITEM 519 - PATCHING CONCRETE STRUCTURES. AS PER PLAN: ESITMATED QUANTITES ARE BASED ON THE MOST RECENT IN-DEPTH INSPECTION OF THE STRUCTURE. AREAS TO BE PATCHED HAVE BEEN DETAILED IN THE PLANS.

IT IS POSSIBLE THAT ADDITIONAL AREAS REQUIRING PATCHING MAY HAVE DEVELOPED SINCE THE MOST RECENT INSPECTION OF THE STRUCTURE. THEREFORE, THE CONTRACTOR SHALL SOUND THE SURROUNDING PERIMETER OF THE AREA TO BE PATCHED AND PATCH NEW AREAS APPROVED BY THE ENGINEER THAT HAVE NOT BEEN DETAILED IN THE PLANS.

MEASUREMENT AND PAYMENT:

THE PLAN QUANTITIES INCLUDE AN INCREASE OF THE FIELD MEASURED QUANTITIES. THE ACCEPTED QUANTITIES FOR THE COMPLETED WORK AS DESCRIBED WILL BE MEASURED AND PAID BY ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN.

PRIOR TO THE SURFACE CLEANING SPECIFIED IN C&MS 519.04 AND WITHIN 24 HOURS OF PLACING PATCHING MATERIAL, BLAST CLEAN ALL SURFACES TO BE PATCHED INCLUDING THE EXPOSED REINFORCING STEEL. ACCEPTABLE METHODS INCLUDE HIGH-PRESSURE WATER BLASTING WITH OR WITHOUT ABRASIVES IN THE WATER. ABRASIVE BLASTING WITH CONTAINMENT. OR VACUUM ABRASIVE BLASTING.

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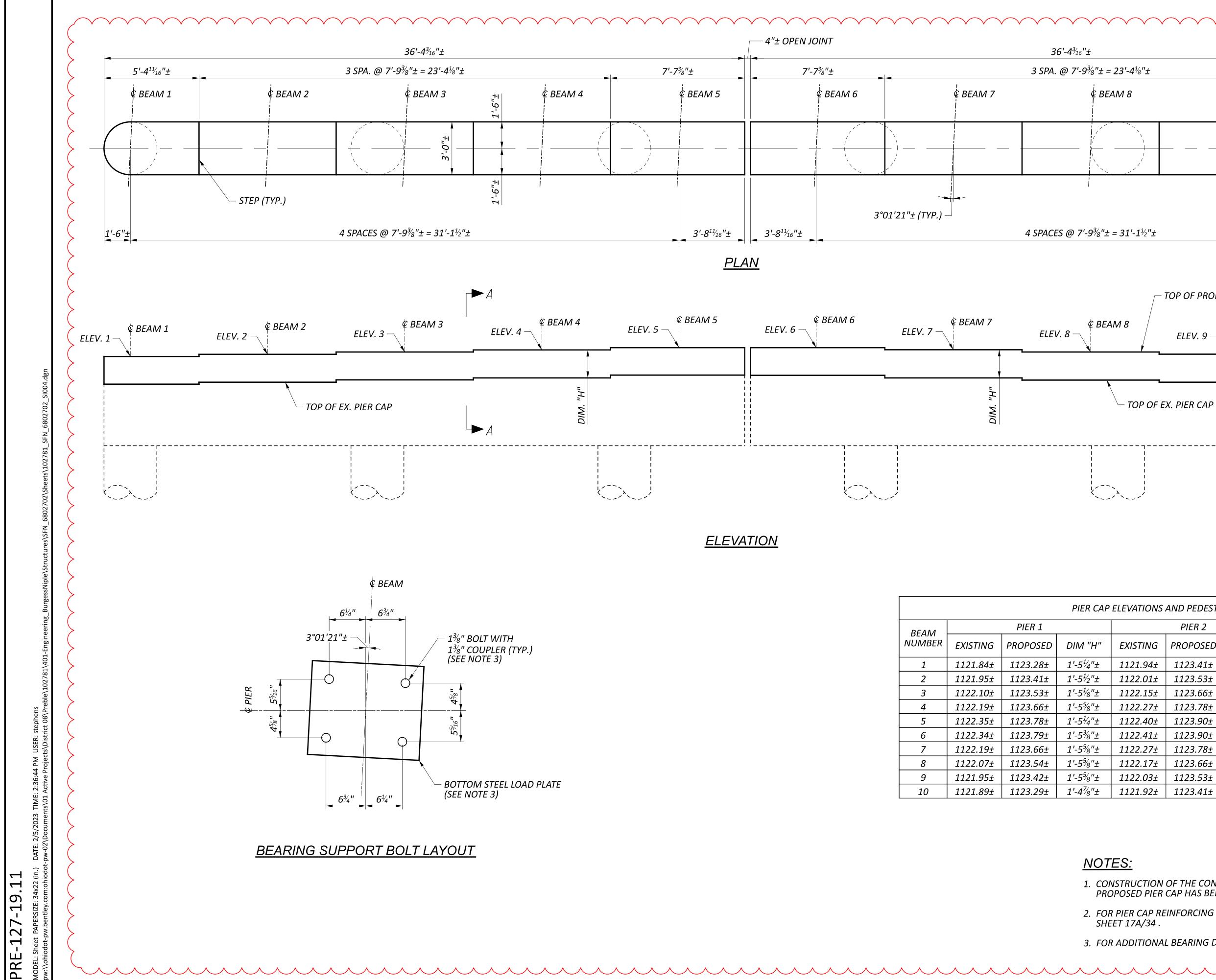
]
INCIDENTALS NECESSARY TO IN THE EXTERIOR FACES OF THE C ADDED TO THE EXTERIOR FACE SHOWN HERIN. THE INCORPORA RESULT IN ANY REDUCTION TO ITEM 530 - SPECIAL - FORM FORM LINER: ACCEPTABLE FORM LINER MANU LINER, WWW.CUSTOMROCK.COI EQUAL. ACCEPTABLE FORM LINER PATTI (KEYED) OR APPROVED EQUAL. VANDAL PROTECTION FEM INSTALL FENCING FOR EACH CO THAT PHASE TO VEHICULAR AND INSTALL FENCING FOR EACH CO THAT PHASE TO VEHICULAR AND SPLICES AND/OR TOP FLANGEC THE WELDS, PLATES AND BEAMS AND CRACKS. IF NECESSARY, RI IMMEDIATELY ADJACENT TO SUC THE ENGINEER WILL VISUALLY II SPLICES AND/OR TOP FLANGEC THE WELDS, PLATES AND BEAMS AND CRACKS. IF NECESSARY, RI IMMEDIATELY ADJACENT TO SUC THE ENGINEER WILL REPORT AL CONSTRUCTION ADMINISTRATIO ALONG WITH SPECIFIC INFORMAL ENGTH, AND DEPTH SO AN EVA RECOMMENDATION CAN BE MADE DECK PLACEMENT DESIGN THE FOLLOWING ASSUMPTIONS METHODS WERE MADE FOR ANA SUPERSTRUCTURE. THE CONTR DESIGN OF THE FALSEWORK SU PARAMETERS AND WILL ASSUME SUPERSTRUCTURE ANALYSIS FO ASSUMPTIONS. AN EIGHT WHEEL FINISHING MAN OF 2.24 KIPS. A MAXIMUM SPACING OF OVERH A MAXIMUM DISTANCE FROM TH TO THE FACE OF THE SAFETY H/ ABBREVIATIONS: A MAXIMUM DISTANCE FROM TH TO THE FACE OF THE SAFETY H/ BERG. BEARING & C CENTERLINE	FIGURE STANDARD ST	GENERAL NOTES BRIDGE NO. PRE-127-1911 U.S. 127 OVER I.R. 70
<i>CLR CLEARANCE CMS - CONSTRUCTION AND MATERIAL SPECIFICATIONS CONSTR CONSTRUCTION CU YD - CUBIC YARD</i>	P.E.J.F PREFORMED EXPANSION JOINT FILLER PVI - POINT OF VERTICAL INTERSECTION R RADIUS R.A REAR ABUTMENT RF - RIGHT FORWARD	SFN 6802702 DESIGN AGENCY BSSN burgessniple.com
EX EXISTING EXP EXPANSION F.A FORWARD ABUTMENT F.F FAR FACE F.S FIELD SPLICE FT/FT - FOOT PER FOOT FTG FOOTING FWD FORWARD GALV. = GALVANIZED LF - LEFT FORWARD MAX MAXIMUM MIN MINIMUM MISC MISCELLANEOUS	SHT SHEET SPA SPACES OR SPACING SR - STATE ROUTE STA STATION STD STANDARD STR STRAIGHT TBM - TEMPORARY BENCH MARK TEMP TEMPORARY T/PARAPET - TOE OF PARAPET T/T - TOE TO TOE TYP TYPICAL U.G UNDERGROUND VERT VERTICAL	DESIGNERCHECKERBCSXACREVIEWERSJA-23-22PROJECT ID102SUBSETTOTAL234SHEETTOTALP.67P.99

	UNIT	TOTAL	ITEM EXT.	ITEM
PORTIONS OF STRUCTURE REMOVED, OVER 20 FC	LS	LS	11203	202
APPROACH SLAB REMOVED	SY	414	22900	202
VANDAL FENCE REMOVED	FT	564	75260	202
COFFERDAMS AND EXCAVATION BRACING, AS PER	LS	LS	11101	503
UNCLASSIFIED EXCAVATION	CY	~~ ⁶⁵ ~	21100	503
EPOXY COATED REINFORCING STEEL	LB	196,398	10000	509
NO. 4 GFRP DEFORMED BARS	FT	10,589	30020	509
DOWEL HOLES WITH NONSHRINK, NONMETALLIC	EACH	636	10001	510
SEMI-INTEGRAL DIAPHRAGM GUIDE	EACH	2	33500	511
CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECI	СҮ	731	34446	511
CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)	СҮ	101	34448	511
CLASS QC1 CONCRETE, PIER CAP	СҮ	34	42510	511
CLASS QC1 CONCRETE, RETAINING/WINGWALL NO	СҮ	30	46010	511
SEALING OF CONCRETE SURFACES (EPOXY-URETH)	SY	1,387	F 10101	512
REMOVAL OF EXISTING COATINGS FROM CONCRE	SY SY	346	74000	512
CONCRETE REPAIR BY EPOXY INJECTION, AS PER P	FT	202	10601	512
	ГАСИ	0.000	20000	F10
WELDED SHEAR CONNECTORS	EACH	9,090	20000	513
STRUCTURAL STEEL, MISC.: CUT AND SPLICE EXIST	LS	LS	95020	513
SURFACE PREPARATION OF EXISTING STRUCTURA	SF	32,379	00050	514
FIELD PAINTING OF EXISTING STRUCTURAL STEEL,	SF	32,379	00057	514
FIELD PAINTING STRUCTURAL STEEL, INTERMEDIA	SF	31,878	00062 Y	514
FIELD PAINTING OF EXISTING STRUCTURAL STEEL,	SF	31,878	00066 🖌	514
GRINDING FINS, TEARS, SLIVERS ON EXISTING STR	MNHR	14 July	00504	514
FINAL INSPECTION REPAIR	EACH	10	10000	514
ARMORLESS PREFORMED JOINT SEAL	FT	152	10010	516
1" PREFORMED EXPANSION JOINT FILLER	SF	16	13600	516
2" PREFORMED EXPANSION JOINT FILLER	SF	154	13900	516
SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SE	FT	248	14020	516
ELASTOMERIC BEARING WITH INTERNAL LAMINA	EACH	10	44101	516
ELASTOMERIC BEARING WITH INTERNAL LAMINA	EACH	20	44201	516
ELASTOMERIC BEARING WITH INTERNAL LAMINA	EACH	20	44301	516
JACKING AND TEMPORARY SUPPORT OF SUPERST	LS	LS	47001	516
POROUS BACKFILL WITH GEOTEXTILE FABRIC	СҮ	92	21200	518
PATCHING CONCRETE STRUCTURE, AS PER PLAN	SF	22	11101	519
REINFORCED CONCRETE APPROACH SLABS (T=15'	SY	422	25000	526
TYPE C INSTALLATION	FT	152	90030	526
SPECIAL - FORM LINER	SF	1961	13000	530
VANDAL PROTECTION FENCE, 6' STRAIGHT, COATE	FT	550	39900	607
TEMPORARY VANDAL FENCE, TYPE B	FT	564	39994	607
STRUCTURE GROUNDING SYSTEM	EACH	2	33000	625

UNIT DISCRIPTION ABUI. PERS 15 PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN		ESTIMATED QUANTITIES		CALC XAC
SY APPROACH SLAB REMOVED	UNIT	DESCRIPTION	ABUT.	PIERS
FT VANDAL FENCE REMOVED 15 SC COFFEEDAMS AND EXCLUNTION BRACING, AS PER PLAN 15 O' UNCLASSINED EXCLUNTION BRACING, AS PER PLAN 2702 B EPONY CORES REINFORCING STEEL 2,702 FT NO. 4 GERP DEFORMED BARS 2,04 FC DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN 204 EACH DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN 2 FC CLASS GC CONCRETE, BRIDGE DECK 2 CY CLASS GC CONCRETE, BRIDGE DECK INSTRUCTURES READED 30 CY CLASS GC CONCRETE, BRIDGE DECK INSTRUCTURES READED 30 CY CLASS GC CONCRETE, BRIDGE DECK INSTRUCTURES READEN 30 CY CLASS GC CONCRETE, BRIDGE DECK INSTRUCTURES READED 30 CY CLASS GC CONCRETE, BRIDGE DECK INSTRUCTURES READEN 30 SY SEALING DE CONCRETE SURBACES (EPOX' URETHAND, A SPER PLAN 30 SY REMOVIL DE EXISTING CONTROL SURBACES (EPOX' URETHAND, A SPER PLAN 30 SY REMOVIL DE EXISTING STRUCTURAL STEEL 155 FT CONCRETE REARMANT ON DE NISTING STRUCTURAL STEEL 155 FT CONCRETE REARMANT ON DE NISTING STRUCTURAL STEEL 155 SF SURBACE REARMANT ON DE NISTING STRUCTURAL STEEL 155	LS	PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN		
IS COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN (5 CY UNCLASSINE EXCAVATION 65 IB EPOY COATE REMORDERING STREEL 2,702 FT NO. 4 SERP DEFORMED BARS 204 EACH DOWEL HOLES WITH NONSHINK, NONINETALLIC GROUT, AS PER PLAN 204 EACH DOWEL HOLES WITH NONSHINK, NONINETALLIC GROUT, AS PER PLAN 204 EACH SEMI-INTEGRAL DIAPHRAGE BUDG 2 CY CLASS GC CONCRETE, BIND GORG BECK 2 CY CLASS GC CONCRETE, BIND GORG BECK 34 SY SEALING OF CONCRETE SUBACK URAPARETI. 34 CY CLASS GC CONCRETE, BIND GORG BECK 34 SY SEALING OF CONCRETE SUBACK URAPARETI. 34 SY SEALING OF CONCRETE SUBACK URAPARETI. 34 SY SEALING OF CONCRETE SUBACK URAPARETI. 34 SY SUBACK CONCRETE SUBACK URAPARETI. 34	SY	APPROACH SLAB REMOVED		
CY UNCLASSINGD CKAMATION 66 IB EPOX COATE BERNORCING STELL 2.702 FT NO. 4 GRP DEFORMED BARS 204 EACH DOWEL HOLES WITH NONSHRINK, NONMETALLIC GRULT, AS PER PLAN 204 EACH DOWEL HOLES WITH NONSHRINK, NONMETALLIC GRULT, AS PER PLAN 204 EACH DOWEL HOLES WITH NONSHRINK, NONMETALLIC GRULT, AS PER PLAN 204 EACH DOWEL MOLES WITH NONSHRINK, NONMETALLIC GRULT, AS PER PLAN 204 EACH SASING CONCRETE, WITH QCUA, BIBDEE DECK 2 CY CLASS OC 2 CONCRETE, BERGAR 30 GY SASING CONCRETE, PER CAN 30 GY CLASS OC 2 CONCRETE, PER CAN 140 SS SUBMING CONTREST FOR CAN 152 SY REMOND OF CONCRETE SUBMIC CONTREST SUBMICED 152 SY REMOND OF CONCRETE SUBMIC CONTREST SUBMICED 152 SY REMOND OF CONCRETE SUBMIC CONTREST SUBMICED 152 SY REMOND OF CONCRETE SUBMIC CONTREST SUBCURAL STELL, PRIME COAT, AS PER PLAN 153 SY REMOND OF DOSTING STRUCTURAL STELL, PRIME COAT, AS PER PLAN 155 SF SUBMERCE PEREARANTION OF DEXTING STRUCTURAL STELL, PRIME CO	FT	VANDAL FENCE REMOVED		
1B EPOXY CORTED REINFORCING STELL 2.702 3.864 FT NO. 4 GRP DEFORMED BARS 2.04 432 EACH DOWEL HOLES WITH NORSHRINK, NONMETALLIC GROUT, AS PER PLAN 204 432 EACH SEMI-INTIGINAL DIAPHARIAN GUDE 2 3.00 C' CLASS GOZ CONCRETE, BRIDGE DECK (PARAPET) 2 3.0 C' CLASS GOZ CONCRETE, BRIDGE DECK (PARAPET) 30 30 C' CLASS GOZ CONCRETE, BRIDGE DECK (PARAPET) 30 30 C' CLASS GOZ CONCRETE, BRIDGE DECK (PARAPET) 140 322 S' SEALING OF CONCRETE, RETAINNO/WING WALL NOT INCLUDING FOOTING 30 322 S' SEALING OF CONCRETE, RETAINNO/WING WALL NOT INCUDING FOOTING 30 322 FT CONCRETE REPARAPTION CONCRETS RETAINNO/WING WALL NOT INCUDING FOOTING 322 37 FT SEMINING CONSTING STRUCTURAL STELL 30 322 37 FT CONCRETE REPARATION OF EXISTING STRUCTURAL STELL 315 47 FALLD PARITING OF EXISTING STRUCTURAL STELL 35 315 315 SF RELID PARITING OF EXISTING STRUCTURAL STELL, PINSH COAT 354 <t< td=""><td>LS</td><td>COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN</td><td>LS</td><td></td></t<>	LS	COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN	LS	
FT NO. 4 GRP DEFORMED BARS 204 432 EACH DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN 204 432 EACH SEMI-INTEGRAL DIAPHAMAN GUIDE 2 CY CLASS OC2 CONCRETE, BIRDOE DECK 2 CY CLASS OC2 CONCRETE, BIRDOE DECK 30 SY SEALING OC CONCRETE, BIRDOM CONCRETS SUBACES 30 SY SEALING OC CONCRETE SUBACES 32 SY SEALING OC CONCRETES SUBACES 32 SY SEALING OC CONCRETE SUBACES 33 SY SEALING SUBACES 34 SY SEALING SUBACES 34 SY </td <td>CY</td> <td>UNCLASSIFIED EXCAVATION</td> <td>65</td> <td></td>	CY	UNCLASSIFIED EXCAVATION	65	
FT NO. 4 GRP DEFORMED BARS 204 EACH DOWEL HOLES WITH NORMARINK, NONMETALLIC GROUT, AS PER PLAN 204 EACH SEMI-INTEGRAL DIAPHRACM GUIDE 2 EACH SEMI-INTEGRAL DIAPHRACM GUIDE 2 CY CLASS QC2 CONCRETE, WITH OCIDA, BRIOGE DECK 2 CY CLASS QC2 CONCRETE, METANING/ANNOMALL NOT INCLUDING FOOTING 30 CY CLASS QC2 CONCRETE, BERARDEY) 34 SY SEALING OF CONCRETE SUBARDS 32 FT CONCRETE REPARE ROM CONCECTORS 32 SY SEMUCTURAL STEEL, REPARENCE ON STRUCTURAL STEEL 34 SF SUBARDE PREMARING OF EXISTING STRUCTURAL STEEL 34 SF FELD BINNING OF EXISTING STRUCTURAL STEEL 34 SF THELD BINNING OF EXISTING STRUCTURAL STEEL 34 SF FELD BINNING OF EXISTING STRUCTURA	LB	EPOXY COATED REINFORCING STEEL	2,702	3,864
EACH DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN 204 432 BACH SEMI-INTEGRAL DIAPHRAMM GUIDE 2 CY CLASS QCI CONCRETE, BRIDGE DECK 2 CY CLASS QCI CONCRETE, BRIDGE DECK (PARAPET) 33 CY CLASS QCI CONCRETE, BRIDGE DECK (PARAPET) 34 CY CLASS QCI CONCRETE, BRIDGE DECK (PARAPET) 34 CY CLASS QCI CONCRETE, SURFACES (EPOXY-URETHAND, AS PER PLAN 140 SY SEALING OF CONCRETE SURFACES (EPOXY-URETHAND, AS PER PLAN 140 SY REMOVAL OF EXSTING STRUCTURAL STEEL 152 FT CONCRETE FERANTING/WINGSTRUCTURAL STEEL 37 SF STRUCTURAL STEEL, MISC; UT AND SPUCE EXSTING CROSSFRAME MENBERS 37 SF SFUED PAINTING OF EXSTING STRUCTURAL STEEL 54 SF FIELD PAINTING OF EXSTING STRUCTURAL STEEL 54 SF FIELD PAINTING OF EXSTING STRUCTURAL STEEL 54 SF FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT 55 MWINR GRINDING FINS STRUCTURAL STEEL, INTERMEDIATE COAT 55 SF FIELD PAINTING STRUCTURAL STEEL 54 SF FIELD PAINTING	FT	NO. 4 GFRP DEFORMED BARS		<u> </u>
CY CLASS QC2 CONCRETE WITH OC/QA, BRIDGE DECK Image: Concrete, PLEP CAP CY CLASS QC2 CONCRETE, PRIEP CAP Image: Concrete, PLEP CAP CY CLASS QC1 CONCRETE, PRIEP CAP Image: Concrete, PLEP CAP CY CLASS QC1 CONCRETE, PRIEP CAP Image: Concrete, PLEP CAP CY CLASS QC1 CONCRETE, PLEP CAP Image: Concrete, PLEP CAP CY CLASS QC1 CONCRETE, PLEP CAP Image: Concrete Capter Concrete Submet: Concrete Submet: Concrete Submet: Concrete Submet: Concrete Submet: Concrete Concrete Submet: Concrete Concrete Submet: Concrete Concrete Concrete Concrete: Submet: Concrete Concrete: Concrete Concrete: Concrete Concrete: Concre: Concrete: Concret: Concret	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN	204	
CV CLASS QC2 CONCRETE, BRIDGE DECK (PARPET) 34 CV CLASS QC1 CONCRETE, RETAINING/WINGWALL NOT INCLUDING FOOTING 30 SV SEALING OF CONCRETE, RETAINING/WINGWALL NOT INCLUDING FOOTING 30 SY SEALING OF CONCRETE, RETAINING/WINGWALL NOT INCLUDING FOOTING 30 SY SEALING OF CONCRETE SURFACES (EPOXY-URETHAND, AS PER PLAN 140 552 SY REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES 152 59 FT CONCRETE ENRANGE SURFACES (EPOXY-URETHAND, AS PER PLAN 155 47 EACH WELDED SHEAR CONNECTORS 155 47 EACH WELDED SHEAR CONNECTORS 155 47 SF STRUCTURAL STEEL, INSECONT STUDICTURAL STEEL 155 47 SF FIELD PAINTING OF EXISTING STRUCTURAL STEEL 156 157 SF FIELD PAINTING OF EXISTING STRUCTURAL STEEL, INISH COAT 156 157 SF FIELD PAINTING OF EXISTING STRUCTURAL STEEL 157 158 158 SF FIELD PAINTING OF EXISTING STRUCTURAL STEEL 158 158 158 158 SF FIELD PAINTING OF EXISTING STRUCTURAL STEEL 158 158	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE	2	
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FT CONCRETE REPAIR BY EPOXY INJECTION, AS PER PLAN 155 47 EACH WELDED SHEAR CONNECTORS	SY			
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SF FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT Image: Structural	4			+>
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FT ARMORLESS PREFORMED JOINT SEAL Image: constraint of the second s				
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SF 2" PREFORMED EXPANSION JOINT FILLER 154 FT SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL 248 EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-3"x1'-6"x2's", AS PER PLAN 248 EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-3"x1'-5"/x3", AS PER PLAN 248 EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-3"x1'-5"/x3", AS PER PLAN 248 EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-3"x1'-5"/x3", AS PER PLAN 248 EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-3"x1'-5"/x3", AS PER PLAN 248 LS JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN 248 CY POROUS BACKFILL WITH GEOTEXTILE FABRIC 92 SF PATCHING CONCRETE STRUCTURE, AS PER PLAN 10 12 SY REINFORCED CONCRETE APPROACH SLABS (T=15") 10 12 FT TYPE C INSTALLATION 10 12 SF SPECIAL - FORM LINER 10 10 FT VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC 10 10 FT TEMPORARY VANDAL FENCE, TYPE B 10 <td>FT</td> <td>ARMORLESS PREFORMED JOINT SEAL</td> <td></td> <td></td>	FT	ARMORLESS PREFORMED JOINT SEAL		
SF 2" PREFORMED EXPANSION JOINT FILLER 154 FT SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL 248 EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-3"x1'-6"x2 ¹ y, "AS PER PLAN 248 EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-3"x1'-5 ¹ y,"AS PER PLAN 248 EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-3"x1'-5 ¹ y,"AS PER PLAN 248 EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-3"x1'-5 ¹ y,"AS PER PLAN 248 EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-3"x1'-5 ¹ y,"AS PER PLAN 248 EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-3"x1'-5 ¹ y,"AS PER PLAN 248 EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-3"x1'-5 ¹ y,"AS PER PLAN 10 LS JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN 92 CY POROUS BACKFILL WITH GEOTEXTILE FABRIC 92 SF PATCHING CONCRETE STRUCTURE, AS PER PLAN 10 12 SY REINFORCED CONCRETE APPROACH SLABS (T=15") 7 7 FT TYPE C INSTALLATION 7 7	SF	1" PREFORMED EXPANSION JOINT FILLER		
FT SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL 248 EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-3"x1'-6"x2'/y", AS PER PLAN EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-3"x1'-6"x2'/y", AS PER PLAN EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-0"x1'-2"x4'/z", AS PER PLAN EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-0"x1'-2"x4'/z", AS PER PLAN EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-0"x1'-2"x4'/z", AS PER PLAN EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-0"x1'-2"x4'/z", AS PER PLAN LS JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN CY POROUS BACKFILL WITH GEOTEXTILE FABRIC 92 SF PATCHING CONCRETE STRUCTURE, AS PER PLAN 10 12 SF PATCHING CONCRETE APPROACH SLABS (T=15") 10 12 FT TYPE C INSTALLATION SF SPECIAL - FORM LINER FT VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC <t< td=""><td>SF</td><td></td><td>154</td><td></td></t<>	SF		154	
EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-3"x1'-6"x2½", AS PER PLAN EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-3"x1'-5½"x3", AS PER PLAN EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-3"x1'-5½"x3", AS PER PLAN EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-0"x1'-2"x4½", AS PER PLAN LS JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN LS JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN CY POROUS BACKFILL WITH GEOTEXTILE FABRIC 92 92 SF PATCHING CONCRETE STRUCTURE, AS PER PLAN SY REINFORCED CONCRETE APPROACH SLABS (T=15") FT TYPE C INSTALLATION SF SPECIAL - FORM LINER FT VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC FT TEMPORARY VANDAL FENCE, TYPE B				
EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1'-3"x1'-5½'x3", AS PER PLAN IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII				
EACH ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 1-0*X1-2*X4/2, AS PER PLAN International Content of the second content content of the second content content of the second cont				
LS JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII				
CY POROUS BACKFILL WITH GEOTEXTILE FABRIC 92 CY POROUS BACKFILL WITH GEOTEXTILE FABRIC 92 SF PATCHING CONCRETE STRUCTURE, AS PER PLAN 10 12 SY REINFORCED CONCRETE APPROACH SLABS (T=15") 10 12 FT TYPE C INSTALLATION 10 10 12 SF SPECIAL - FORM LINER 10 10 12 FT VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC 10 10 10 FT TEMPORARY VANDAL FENCE, TYPE B 10 10 10				
SF PATCHING CONCRETE STRUCTURE, AS PER PLAN 10 12 SY REINFORCED CONCRETE APPROACH SLABS (T=15") 10 10 FT TYPE C INSTALLATION 10 10 SF SPECIAL - FORM LINER 10 10 FT VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC 10 10 FT TEMPORARY VANDAL FENCE, TYPE B 10 10				
SY REINFORCED CONCRETE APPROACH SLABS (T=15") Image: Control of the state	СҮ	POROUS BACKFILL WITH GEOTEXTILE FABRIC	92	
FT TYPE C INSTALLATION Image: Constant of the second	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	10	12
FT TYPE C INSTALLATION Image: Constant of the second	٢٧	REINFORCED CONCRETE APPROACH SLARS (T=15")		
SF SPECIAL - FORM LINER FT VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC FT TEMPORARY VANDAL FENCE, TYPE B Image: Comparison of the strain o	_			
FT VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC FT TEMPORARY VANDAL FENCE, TYPE B Image: Comparison of the strength of the strengend of the strength of the strength of the strength o	ГІ			
FT TEMPORARY VANDAL FENCE, TYPE B	SF	SPECIAL - FORM LINER		
FT TEMPORARY VANDAL FENCE, TYPE B	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC		
EACH STRUCTURE GROUNDING SYSTEM				
	EACH	STRUCTURE GROUNDING SYSTEM		

				DATE
<u>.</u>	DATE 3-04-22	2	CHK'D BCS	DATE 3-14-22
	SUPER.		GENERAL	SHT. REF.
			LS 414	2/34
	564			
				2/34
1	189,832			
	10,589			
				2/34
				2/34
	731 101			
	<u> </u>			
	695			2/34
	000			2/54
	9,090			
	LS			18/34
		7		
	32,379	k	\sim	
	<i>५/५/५</i>			0/2/
	32,379 31,878	~	\dots	2/34
•	31,878 31,878	\$		2/34
•	31,878 31,878 47	}		2/34
•	31,878 31,878	}		2/34
•	31,878 31,878 47 10	3	152	2/34
•	31,878 31,878 47	3	152	2/34
•	31,878 31,878 47 10		152	2/34
•	31,878 31,878 47 10 16 16		152	21/34
•	31,878 31,878 47 10 16 16 10 20		152	21/34 20/34
•	31,878 31,878 47 10 16 16		152 LS	21/34
•	31,878 31,878 47 10 16 16 10 20			21/34 20/34 19/34
•	31,878 31,878 47 10 16 16 10 20			21/34 20/34 19/34
•	31,878 31,878 47 10 16 16 10 20			21/34 20/34 19/34
•	31,878 31,878 47 10 16 16 10 20		LS	21/34 20/34 19/34 2/34
•	31,878 31,878 47 10 16 16 10 20		LS 422	21/34 20/34 19/34 2/34
•	31,878 31,878 47 10 16 16 10 20		LS	21/34 20/34 19/34 2/34
•	31,878 31,878 47 10 16 16 10 20		LS 422	21/34 20/34 19/34 2/34
•	31,878 31,878 31,878 47 10 10 20 20 20 20 1961		LS 422	21/34 20/34 19/34 2/34 2/34
•	31,878 31,878 31,878 47 10 10 20 20 20 20		LS 422	21/34 20/34 19/34 2/34 2/34
•	31,878 31,878 31,878 47 10 10 20 20 20 20 20 20 1961 1961 550 564		LS 422	21/34 20/34 19/34 2/34 2/34
•	31,878 31,878 31,878 10 10 10 20 20 20 20 1961 1961 550		LS 422	21/34 20/34 19/34 2/34 2/34

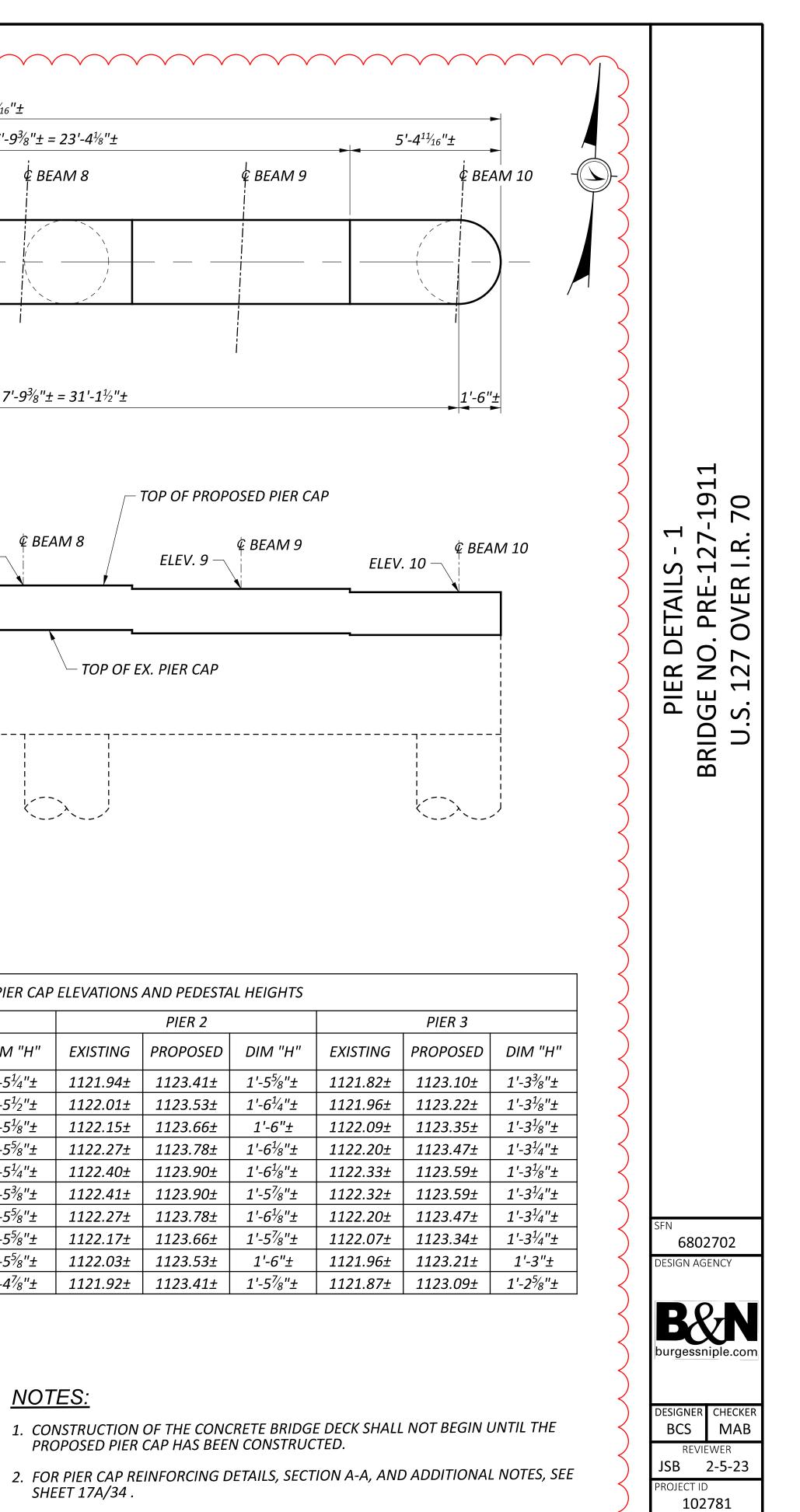
ESTIMATED QUANTITIES	BRIDGE NO. PRE-127-1911	U.S. 127 OVER I.R. 70
	8027(N AGEN(
B		N e.com
DESIGI	S Z	HECKER XAC
	reviēwe 3-2	



			PIER CAP	ELEVATION
BEAM		PIER 1		
NUMBER	EXISTING	PROPOSED	DIM "H"	EXISTING
1	1121.84±	1123.28±	1'-5¼"±	1121.94±
2	1121.95±	1123.41±	1'-5½"±	1122.01±
3	1122.10±	1123.53±	1'-5 ¹ ⁄8"±	1122.15±
4	1122.19±	1123.66±	1'-5 ⁵ ⁄8"±	1122.27±
5	1122.35±	1123.78±	1'-5 ¹ ⁄4"±	1122.40±
6	1122.34±	1123.79±	1'-5 [%] "±	1122.41±
7	1122.19±	1123.66±	1'-5 ⁵ ⁄8"±	1122.27±
8	1122.07±	1123.54±	1'-5 ⁵ ⁄8"±	1122.17±
9	1121.95±	1123.42±	1'-5 ⁵ ⁄8"±	1122.03±
10	1121.89±	1123.29±	1'-4 ⁷ ⁄8"±	1121.92±

ELEV. 9

PIER 2



SUBSET

SHEET

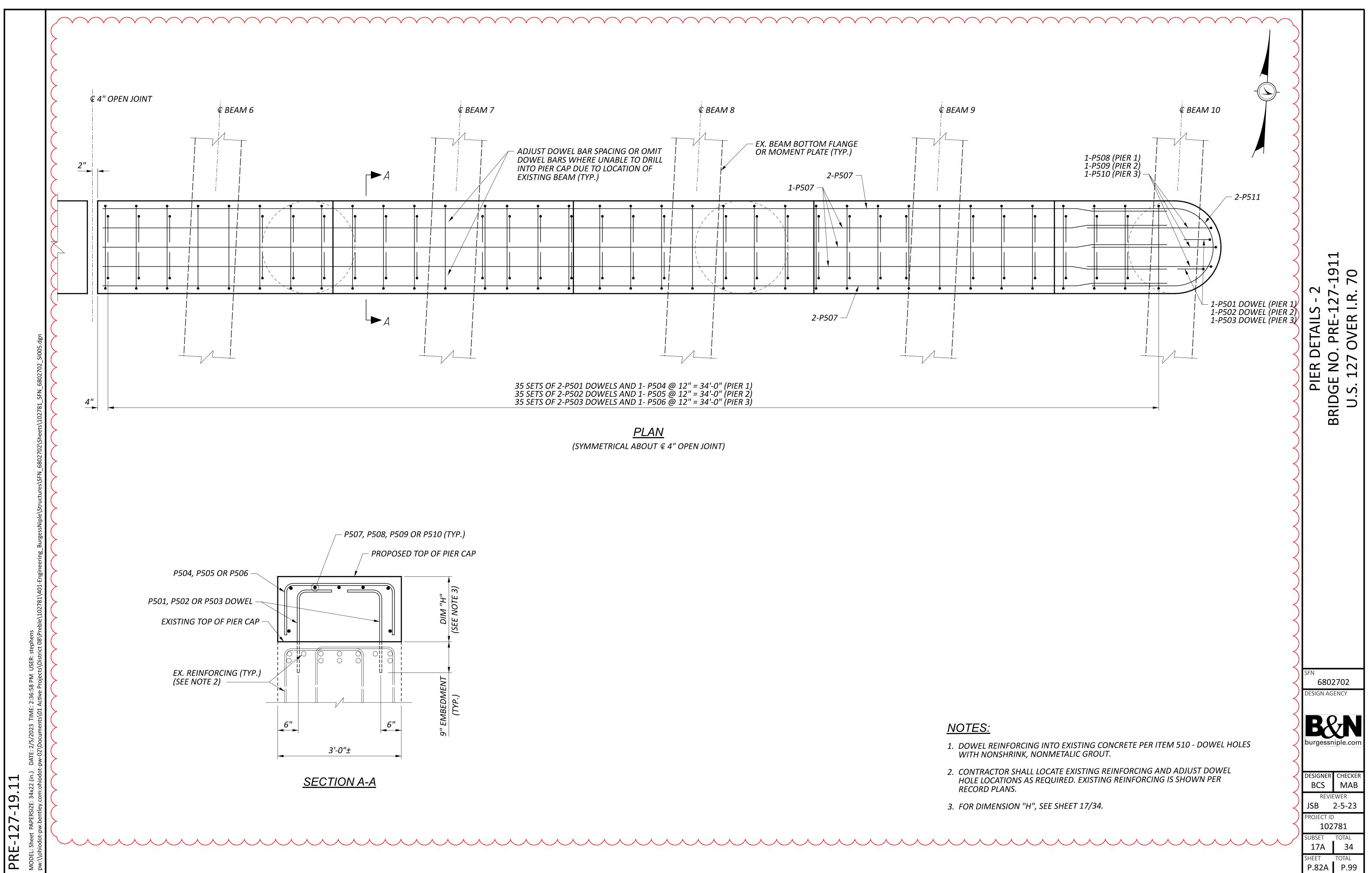
TOTAL

TOTAL

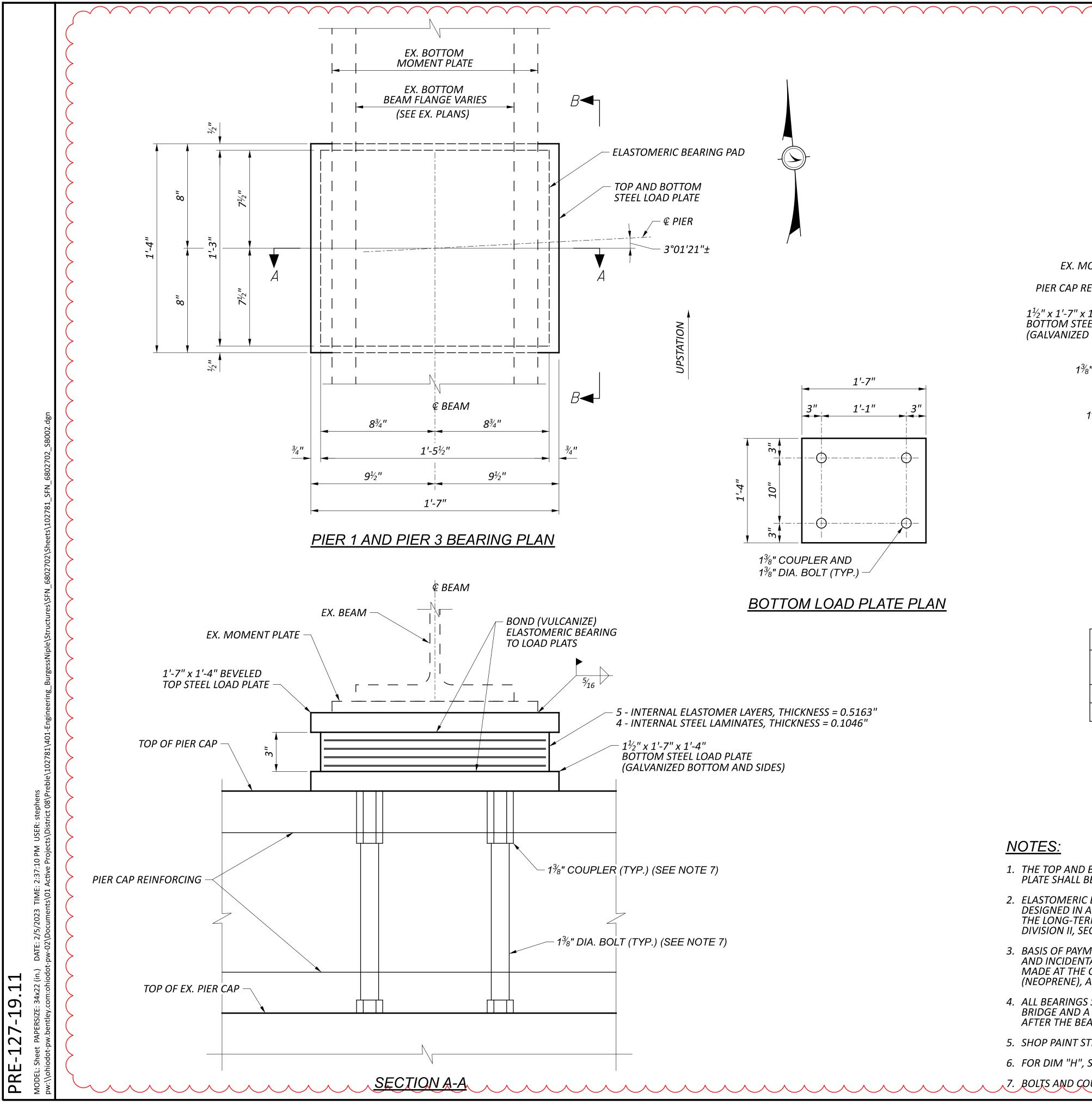
17 34

P.82 P.99

3. FOR ADDITIONAL BEARING DETAILS, SEE SHEETS 20/34 AND 21/34.



-19.1 27

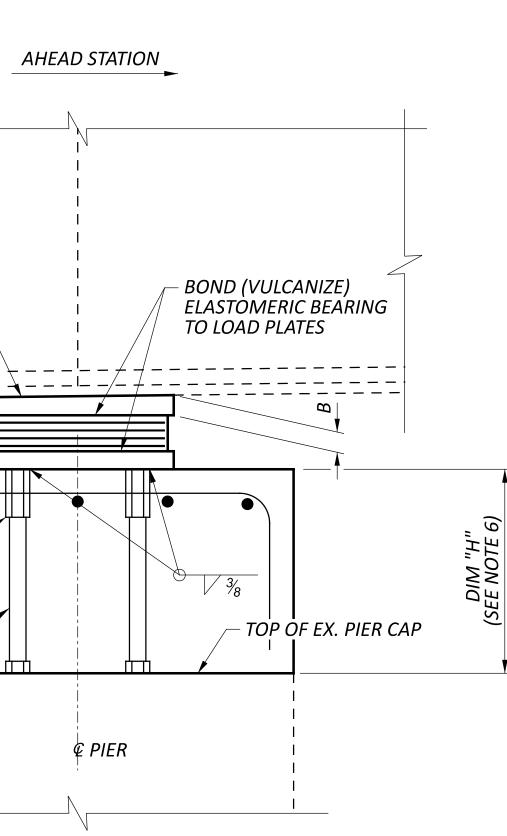


1'-7" x 1'-4" BEVELED TOP STEEL LOAD PLATE EX. MOMENT PLATE PIER CAP REINFORCING 1½" x 1'-7" x 1'-4" BOTTOM STEEL LOAD PLATE (GALVANIZED BOTTOM AND SIDES) $1\frac{3}{8}$ " COUPLER (TYP.) 1³/₈" DIA. BOLT (TYP.)

ELASTON NO LOCATION ΤΥΡΕ REQ'D PIER 1 EXP. 10 PIER 3 EXP. 10

- 2. ELASTOMERIC BEARINGS: THE ELASTOMER SHALL HAVE A HARDNESS OF 50 DUROMETER. THE BEARINGS WERE DIVISION II, SECTION 18.7.2.6) IS NOT REQUIRED.
- 3. BASIS OF PAYMENT FOR THE PIER BEARINGS: THE UNIT BID PRICE SHALL INCLUDE ALL MATERIALS, LABOR, TESTING AND INCIDENTALS NECESSARY TO FURNISH AND INSTALL LAMINATED ELASTOMERIC BEARINGS. PAYMENT WILL BE (NEOPRENE), AS PER PLAN.
- 4. ALL BEARINGS SHALL BE MARKED PRIOR TO SHIPPING. THE MARKS SHALL INCLUDE THE BEARING LOCATION ON THE AFTER THE BEARING IS INSTALLED.
- 5. SHOP PAINT STEEL LOAD PLATES UNLESS NOTED OTHERWISE. COLOR SHALL BE FEDERAL COLOR NUMBER 14277.
- 6. FOR DIM "H", SEE SHEET 17/34.

, 7. BOLTS AND COUPLERS SHALL BE ASTM F3125 GRADE A325 TYPE I.



SECTION B-B

MERIC BEARING DATA							
REACTION (KIPS) DESIGN A B							
DL	LL**	LOAD (KIPS)	А	D			
151	100	251	1½"	1%16″			
151	100	251	1%16″	1½″			

LEGEND:

** = LIVE LOAD WITHOUT IMPACT

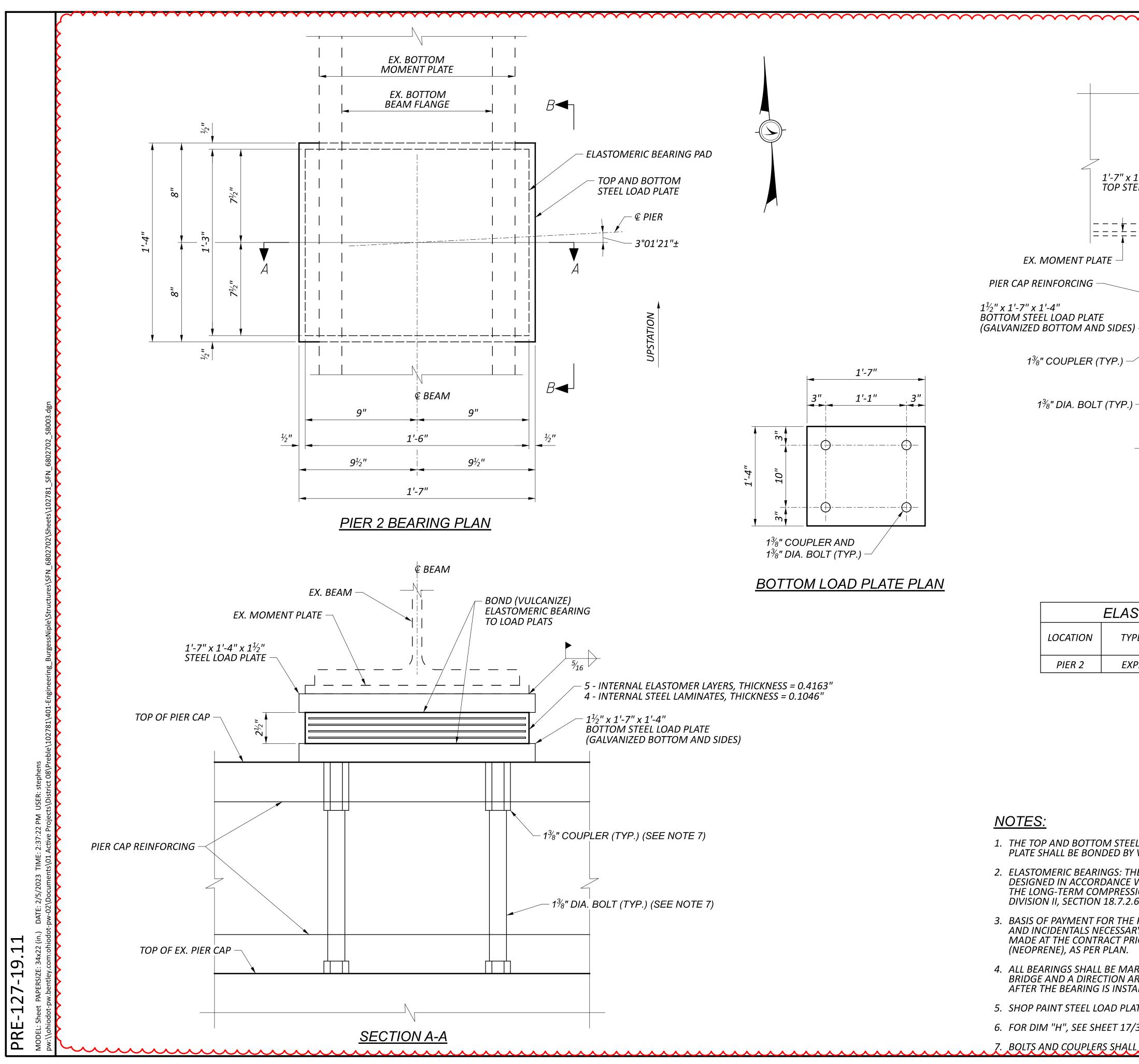
1. THE TOP AND BOTTOM STEEL LOAD PLATE SHALL BE ASTM A709 GRADE 50 STEEL. THE TOP AND BOTTOM STEEL LOAD PLATE SHALL BE BONDED BY VULCANIZATION TO THE ELASTOMER DURING THE MOLDING PROCESS.

DESIGNED IN ACCORDANCE WITH SECTION 14.7.6 (METHOD A) OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. THE LONG-TERM COMPRESSION PROOF LOAD TEST (AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES,

MADE AT THE CONTRACT PRICE FOR ITEM 516, ELASTOMERIC BEARINGS WITH INTERNAL LAMINATES AND LOAD PLATE

BRIDGE AND A DIRECTION ARROW THAT POINTS UP-STATION. ALL MARKS SHALL BE PERMANENT AND BE VISIBLE

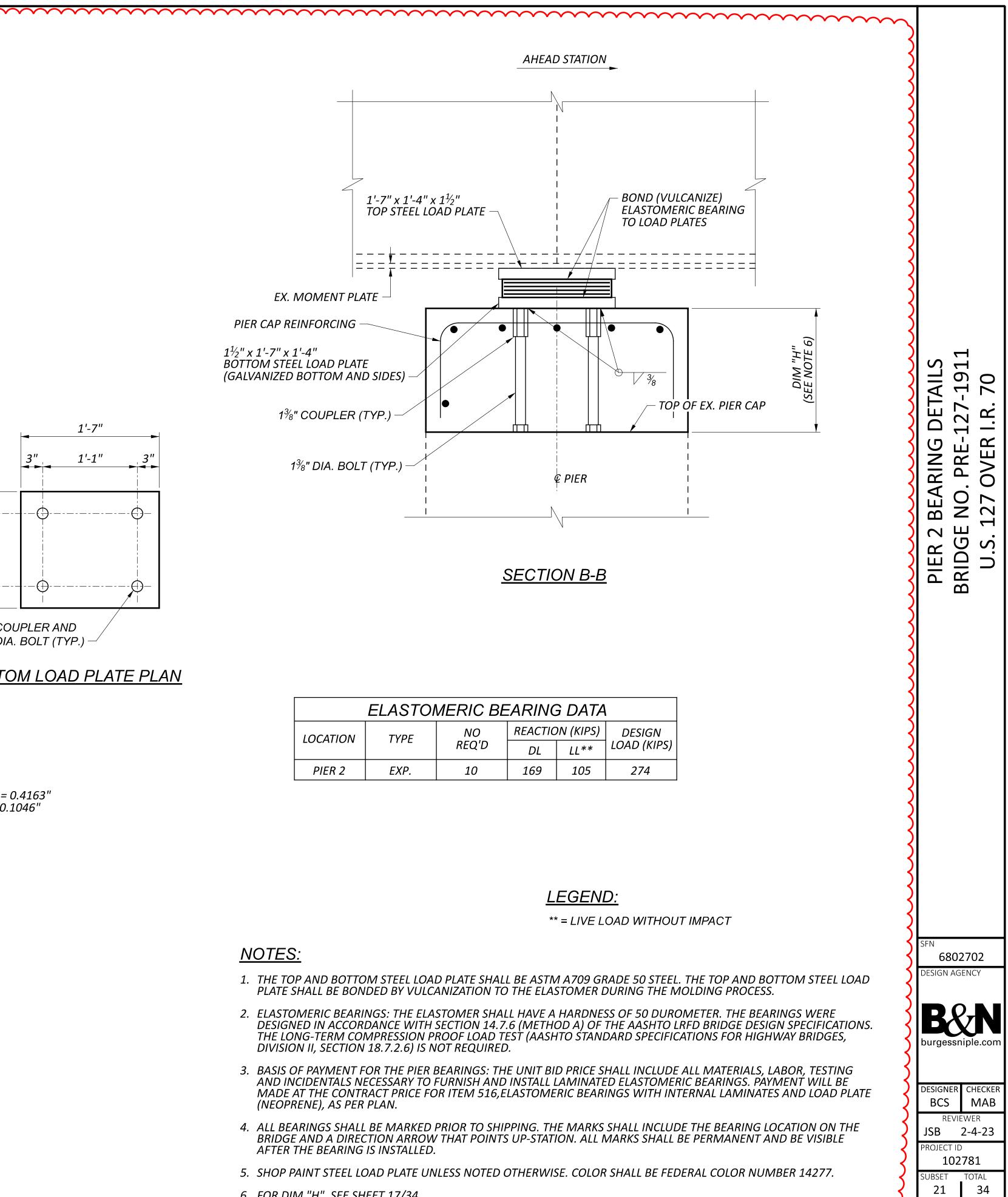
S G DETAILS -1911 70 BEARING 127 I.R. OVER PRE m PIER N0 L27 T 1 AND P BRIDGE U.S. PIER -N 6802702 ESIGN AGENCY B&A urgessniple.co ESIGNER CHECKER BCS MAB REVIEWER JSB 2-5-23 ROJECT ID 102781 UBSET TOTAL 20 34 HEET TOTAL P.85 P.99



	MERIC BE	-/		
	LOCATION	TYPE	NO REQ'D	
			REQ'D	
	PIER 2	EXP.	10	

1'-7" x 1'-4" x 1½" TOP STEEL LOAD PLATE

- DIVISION II, SECTION 18.7.2.6) IS NOT REQUIRED.
- (NEOPRENE), AS PER PLAN.
- AFTER THE BEARING IS INSTALLED.
- 6. FOR DIM "H", SEE SHEET 17/34.
- 7. BOLTS AND COUPLERS SHALL BE ASTM F3125 GRADE A325 TYPE I.



HEET

TOTAL

P.86 P.99

	NUMBER			1	DIMENSIONS								
MARK		LENGTH	WEIGHT	TYPE									
	TOTAL				Α	В	C	D	E	R	INC		
				WING	GWALL R	EINFORC	ING						
A501	64	1'-9"	117	1	0'-10"	1'-1"							
A502	96	2'-9"	275	1	0'-10"	2'-1"							
A503	32	9'-9"	325	STR									
A504	32	6'-10"	228	STR									
A505	32	10'-3"	342	2	4'-8"	1'-2"	4'-8"						
A506	32	9'-8"	323	STR									
A507	8	10'-1"	84	STR									
A508	8	14'-3"	119	STR									
A509	24	17'-8"	442	STR									
A510	24	5'-11"	148	2	2'-6"	1'-2"	2'-6"						
	4 SR	6'-5"			2'-9"		2'-9"						
A511	OF	ТО	207	2	ТО	1'-2"	ТО				0'-4½"		
	6	10'-1"			4'-7"		4'-7"						
A512	8	11'-1"	92	19	8'-2"	2'-10"	0'-10"						
		TOTAL	2,702										

	NUMBER			ρE							
MARK	TOTAL	LENGTH	WEIGHT	ТҮРЕ	А	В	С	D	E	R	INC
			<u> </u>	DIAP	HRAGM F	REINFORC	CING				
D501	120	7'-6"	939	2	2'-5"	2'-11"	2'-5"				
D502	232	9'-4"	2258	2	3'-1"	3'-5"	3'-1"				
D503	8	6'-10"	57	2	1'-10"	3'-5"	1'-10"				
D801	102	4'-9"	1294	18	2'-7"	1'-0"	1'-0"				
D802	8	21'-6"	457	1	1'-4"	20'-4"					
D803	4	20'-4"	217	STR							
D804	20	36'-8"	1958	STR							
D805	16	9'-0"	384	18	3'-10"	3'-1"	3'-1"				
D806	8	13'-8"	292	1	1'-4"	12'-7"					
D807	4	12'-7"	134	STR							
D808	32	38'-10"	3318	STR							
		TOTAL	11,308								

MARK	NUMBER TOTAL	LENGTH	WEIGHT	TYPE									
			WEIGHT		A	B	С	D	E	R	INC		
				F	PIER REIN	FORCING							
P501	144	2'-7"	388	1	0'-10"	1'-11"							
P502	144	2'-8"	401	1	0'-10"	2'-0"							
P503 P504	144 70	2'-5" 4'-7"	363 335	1	0'-10" 1'-1"	1'-9" 2'-8"	1'-1"						
P505	70	4'-9"	347	2	1'-2"	2'-8"	1'-2"					$\left(\begin{array}{c} \\ \end{array} \right)$	
P506	70	4'-3"	310	2	0'-11"	2'-8"	0'-11"					\leq	
P507	42	34'-6"	1511	STR									
P508	6	4'-11"	31	1	1'-1"	4'-0"						. <	
P509 P510	6	5'-1" 4'-10"	32 30	1	1'-2" 0'-11"	4'-0" 4'-0"							
P511	12	9'-3"	116	24	2'-6"	2'-8"				1'-3"			
													LIST - 1 127-191
													REINFORCING LI IDGE NO. PRE-13
		TOTAL	3,864							•	·		ORC NO.
MARK	TOTAL	LENGTH	WEIGHT	ТҮРЕ					I	1	1		REIN BRIDGI
						B	C	D	E	R	INC		
				RA	A II ING RE	B	G	D	E	R	INC		
* X401	48	10'-0"		RA STR		B INFORCIN		D	E	R	INC		
* X402	24	6'-4"		STR 25				D 0'-1 ½"	E 0'-5"	R			
* X402 * X403	24 24	6'-4" 5'-1"		STR 25 STR	ILING RE 2'-6"	INFORCIN	G			R			
* X401 * X402 * X403 * X404 * X405	24 24 44	6'-4" 5'-1" 11'-10"		STR 25 STR STR	ILING RE 2'-6"	INFORCIN	G			<i>R</i>			
* X402 * X403 * X404 * X405	24 24	6'-4" 5'-1"		STR 25 STR	<i>ILING RE</i> 2'-6"	INFORCIN	G			<i>R</i>			
* X402 * X403 * X404 * X405 * X406	24 24 44 44 198	6'-4" 5'-1" 11'-10" 21'-5" 30'-0"		STR 25 STR STR STR STR	<i>ILING RE</i> 2'-6"	INFORCIN	G			R			
* X402 * X403 * X404 * X405 * X406 * Y401	24 24 44 44 198 32	6'-4" 5'-1" 11'-10" 21'-5" 30'-0" 11'-0"		STR 25 STR STR STR STR STR	<i>LING RE</i> 2'-6"	INFORCIN	G			R			
* X402 * X403 * X404 * X405 * X406 * Y401	24 24 44 44 198	6'-4" 5'-1" 11'-10" 21'-5" 30'-0"		STR 25 STR STR STR STR	<i>LING RE</i> 2'-6"	INFORCIN	G			R			
* X402 * X403 * X404 * X405 * X406 * Y401	24 24 44 44 198 32	6'-4" 5'-1" 11'-10" 21'-5" 30'-0" 11'-0"	6789	STR 25 STR STR STR STR STR	<i>LING RE</i> 2'-6"	INFORCIN	G						
* X402 * X403 * X404 * X405 * X406 * X406 * Y401 * Y402 Y601 Y602	24 24 44 44 198 32 208 596 668	6'-4" 5'-1" 11'-10" 21'-5" 30'-0" 11'-0" 10'-0" 7'-7" 7'-0"	7023	STR 25 STR STR STR STR STR STR 37 23	<i>LING RE</i> 2'-6" 0'-11 ½" 0'-6"	2'-5"	G 1'-4" 1'-5" 3'-3"	0'-1 ½"	0'-5"	R			
* X402 * X403 * X404 * X405 * X406 * Y401 * Y402 Y601	24 24 44 44 198 32 208 596 668 48	6'-4" 5'-1" 11'-10" 21'-5" 30'-0" 11'-0" 10'-0" 7'-7" 7'-0" 7'-8"		STR 25 STR STR STR STR STR 37	<i>ILING RE</i> 2'-6" 0'-11 ½"	2'-5" 2'-5" 0'-9 ½" 3'-3" 0'-9 ½"	G 1'-4" 		0'-5"				
* X402 * X403 * X404 * X405 * X406 * X406 * Y401 * Y402 Y601 Y602 Y603	24 24 44 44 198 32 208 596 668 48 8 SR	6'-4" 5'-1" 11'-10" 21'-5" 30'-0" 11'-0" 10'-0" 7'-7" 7'-0" 7'-8" 4'-4"	7023 553	<i>STR</i> <i>25</i> <i>STR</i> <i>STR</i> <i>STR</i> <i>STR</i> <i>STR</i> <i>37</i> <i>23</i> <i>37</i> <i>23</i> <i>37</i>	2'-6" 2'-6" 0'-11 ½" 0'-6" 1'-0"	<i>NFORCIN</i> 2'-5" 0'-9 ½" 3'-3" 0'-9 ½" 3'-6"	G 1'-4" 1'-5" 3'-3"	0'-1 ½"	0'-5"				
* X402 * X403 * X404 * X405 * X406 * Y401 * Y402 Y601 Y602	24 24 44 44 198 32 208 596 668 48 8 SR 0F	6'-4" 5'-1" 11'-10" 21'-5" 30'-0" 11'-0" 10'-0" 7'-7" 7'-0" 7'-8" 4'-4" TO	7023	STR 25 STR STR STR STR STR STR 37 23	<i>LING RE</i> 2'-6" 0'-11 ½" 0'-6"	NFORCIN 2'-5" 0'-9 ½" 3'-3" 0'-9 ½" 3'-6" TO	G 1'-4" 1'-5" 3'-3"	0'-1 ½"	0'-5"		<i>INC</i>		
* X402 * X403 * X404 * X405 * X406 * X406 * Y401 * Y402 Y601 Y602 Y603	24 24 44 44 198 32 208 596 668 48 8 SR	6'-4" 5'-1" 11'-10" 21'-5" 30'-0" 11'-0" 10'-0" 7'-7" 7'-0" 7'-8" 4'-4"	7023 553	<i>STR</i> <i>25</i> <i>STR</i> <i>STR</i> <i>STR</i> <i>STR</i> <i>STR</i> <i>37</i> <i>23</i> <i>37</i> <i>23</i> <i>37</i>	2'-6" 2'-6" 0'-11 ½" 0'-6" 1'-0"	<i>NFORCIN</i> 2'-5" 0'-9 ½" 3'-3" 0'-9 ½" 3'-6"	G 1'-4" 1'-5" 3'-3"	0'-1 ½"	0'-5"				SFN
 * X402 * X403 * X404 * X405 * X406 * Y401 * Y401 * Y402 Y601 Y602 Y603 Y604 Y605 	24 24 44 44 198 32 208 596 668 48 8 SR 0F 11 32	6'-4" 5'-1" 11'-10" 21'-5" 30'-0" 11'-0" 10'-0" 7'-7" 7'-7" 7'-0" 7'-8" 4'-4" TO 5'-2" 4'-4"	7023 553 628 208	<i>STR</i> <i>25</i> <i>STR</i> <i>STR</i> <i>STR</i> <i>STR</i> <i>STR</i> <i>37</i> <i>23</i> <i>37</i> <i>23</i> <i>37</i> <i>23</i> <i>37</i>	<i>LING RE</i> 2'-6" 0'-11 ½" 0'-6" 1'-0"	NFORCIN 2'-5" 0'-9 ½" 3'-3" 0'-9 ½" 3'-6" TO 4'-4"	G 1'-4" 1'-5" 3'-3"	0'-1 ½"	0'-5"				SFN 68027 DESIGN AGEN
 * X402 * X403 * X404 * X405 * X406 * X406 * Y401 * Y402 Y601 Y602 Y603 Y604 Y605 T 	24 24 44 44 198 32 208 596 668 48 8 SR 0F 11 32 0F 11 32	6'-4" 5'-1" 11'-10" 21'-5" 30'-0" 11'-0" 10'-0" 7'-7" 7'-7" 7'-0" 7'-8" 4'-4" TO 5'-2" 4'-4"	7023 553 628 208 15,201	<i>STR</i> <i>25</i> <i>STR</i> <i>STR</i> <i>STR</i> <i>STR</i> <i>STR</i> <i>37</i> <i>23</i> <i>37</i> <i>23</i> <i>37</i> <i>23</i> <i>37</i>	<i>LING RE</i> 2'-6" 0'-11 ½" 0'-6" 1'-0"	NFORCIN 2'-5" 0'-9 ½" 3'-3" 0'-9 ½" 3'-6" TO 4'-4"	G 1'-4" 1'-5" 3'-3"	0'-1 ½"	0'-5"				68027
 * X402 * X403 * X404 * X405 * X406 * Y401 * Y402 Y601 Y602 Y603 Y604 Y605 T0TA 	24 24 44 44 198 32 208 596 668 48 8 SR 0F 11 32	6'-4" 5'-1" 11'-10" 21'-5" 30'-0" 11'-0" 10'-0" 7'-7" 7'-7" 7'-0" 7'-8" 4'-4" TO 5'-2" 4'-4"	7023 553 628 208	<i>STR</i> <i>25</i> <i>STR</i> <i>STR</i> <i>STR</i> <i>STR</i> <i>STR</i> <i>37</i> <i>23</i> <i>37</i> <i>23</i> <i>37</i> <i>23</i> <i>37</i>	<i>LING RE</i> 2'-6" 0'-11 ½" 0'-6" 1'-0"	NFORCIN 2'-5" 0'-9 ½" 3'-3" 0'-9 ½" 3'-6" TO 4'-4"	G 1'-4" 1'-5" 3'-3"	0'-1 ½"	0'-5"				68027

MARK	NUMBER TOTAL	LENGTH	WEIGHT	TYPE				3					
MARK					A	В	С	D	E	R	INC	$\left\{ \right\}$	
	1		1	F	I PIER REIN	FORCING						3	
P501	144	2'-7"	388	1	0'-10"	1'-11"							
P502	144	2'-8"	401	1	0'-10"	2'-0"							
P503	144	2'-5"	363	1	0'-10"	1'-9"						\leq	
P504	70	4'-7"	335	2	1'-1"	2'-8"	1'-1"					\langle	
P505 P506	70 70	<u>4'-9"</u> <u>4'-3"</u>	347 310	2 2	1'-2" 0'-11"	2'-8" 2'-8"	1'-2" 0'-11"					\langle	
P507	42	34'-6"	1511	STR		2-0	0-11					\langle	
P508	6	4'-11"	31	1	1'-1"	4'-0"							
P509	6	5'-1"	32	1	1'-2"	4'-0"							
P510	6	4'-10"	30	1	0'-11"	4'-0"						\leq	
P511	12	9'-3"	116	24	2'-6"	2'-8"				1'-3"		\langle	11
													G LIST E-127-
		TOTAL	3,864									$\left\{ \right\}$	REINFORCING IDGE NO. PRE
MARK	NUMBER	LENGTH	WEIGHT	ТҮРЕ			DI	MENSION	IS	1	1		BRIDG
	TOTAL				A	В	С	D	Ε	R	INC		
			1										
				RA	ILING REI	NFORCIN	G						
* X401	48	10'-0"		STR									
* X402	24	6'-4"		STR 25	2'-6"	NFORCIN 2'-5"	G 1'-4"	0'-1 ½"	0'-5"				
* X402 * X403	24 24	6'-4" 5'-1"		STR 25 STR	2'-6"			0'-1 ½"	0'-5"				
* X402 * X403 * X404	24 24 44	6'-4" 5'-1" 11'-10"		STR 25 STR STR	2'-6"			0'-1 ½"	0'-5"				
* X402 * X403	24 24	6'-4" 5'-1"		STR 25 STR	2'-6"			0'-1 ½"	0'-5"				
* X402 * X403 * X404 * X405	24 24 44 44	6'-4" 5'-1" 11'-10" 21'-5"		STR 25 STR STR STR	2'-6"			0'-1 ½"	0'-5"				
* X402 * X403 * X404 * X405 * X406	24 24 44 44 198 32	6'-4" 5'-1" 11'-10" 21'-5" 30'-0" 11'-0"		STR 25 STR STR STR STR STR	2'-6"			0'-1 ½"	0'-5"				
* X402 * X403 * X404 * X405 * X406	24 24 44 44 198	6'-4" 5'-1" 11'-10" 21'-5" 30'-0"		STR 25 STR STR STR STR	2'-6"				0'-5"				
* X402 * X403 * X404 * X405 * X406 * Y401 * Y402	24 24 44 44 198 32 208	6'-4" 5'-1" 11'-10" 21'-5" 30'-0" 11'-0" 10'-0"	6700	STR 25 STR STR STR STR STR STR	2'-6"	2'-5"	1'-4"						
* X402 * X403 * X404 * X405 * X406 * Y401 * Y402 Y601	24 24 44 44 198 32 208 596	6'-4" 5'-1" 11'-10" 21'-5" 30'-0" 11'-0" 10'-0" 7'-7"	6789	STR 25 STR STR STR STR STR STR 37	2'-6"	2'-5"	1'-4"	0'-1 ½"	0'-5"	0'-2"			
* X402 * X403 * X404 * X405 * X406 * Y401 * Y402	24 24 44 44 198 32 208	6'-4" 5'-1" 11'-10" 21'-5" 30'-0" 11'-0" 10'-0"	6789 7023 553	STR 25 STR STR STR STR STR STR	2'-6"	2'-5"	1'-4"			0'-2"			
* X402 * X403 * X404 * X405 * X406 * X406 * Y401 * Y402 Y601 Y602	24 24 44 44 198 32 208 596 668	6'-4" 5'-1" 11'-10" 21'-5" 30'-0" 11'-0" 10'-0" 7'-7" 7'-0"	7023	STR 25 STR STR STR STR STR STR 37 23	2'-6" 0'-11 ½" 0'-6"	2'-5" 0'-9 ½" 3'-3"	1'-4" 	1'-0"	0'-7"	0'-2"			
* X402 * X403 * X404 * X405 * X406 * X406 * Y401 * Y402 Y601 Y602	24 24 44 198 32 208 596 668 48	6'-4" 5'-1" 11'-10" 21'-5" 30'-0" 11'-0" 10'-0" 7'-7" 7'-0" 7'-8"	7023	STR 25 STR STR STR STR STR STR 37 23	2'-6" 0'-11 ½" 0'-6"	2'-5" 0'-9 ½" 3'-3" 0'-9 ½"	1'-4" 	1'-0"	0'-7"	0'-2"	0'-1"		
* X402 * X403 * X404 * X405 * X406 * X406 * Y401 * Y402 Y601 Y602 Y603	24 24 44 198 32 208 596 668 48 8 SR OF 11	6'-4" 5'-1" 11'-10" 21'-5" 30'-0" 11'-0" 10'-0" 7'-7" 7'-0" 7'-8" 4'-4"	7023 553	STR 25 STR STR STR STR STR STR 37 23 37 23 37	2'-6" 0'-11 ½" 0'-6" 1'-0"	2'-5" 2'-5" 0'-9 ½" 3'-3" 0'-9 ½" 3'-6" TO 4'-4"	1'-4" 	1'-0"	0'-7"	0'-2"	0'-1"		
* X402 * X403 * X404 * X405 * X406 * X406 * Y401 * Y402 Y601 Y602 Y603	24 24 44 44 198 32 208 596 668 48 8 SR OF	6'-4" 5'-1" 11'-10" 21'-5" 30'-0" 11'-0" 10'-0" 7'-7" 7'-0" 7'-8" 4'-4" TO	7023 553	STR 25 STR STR STR STR STR STR 37 23 37 23 37	2'-6" 0'-11 ½" 0'-6" 1'-0"	2'-5" 2'-5" 0'-9 ½" 3'-3" 0'-9 ½" 3'-6" TO	1'-4" 	1'-0"	0'-7"	0'-2"	0'-1"		SFN
 * X402 * X403 * X404 * X405 * X406 * Y401 * Y401 * Y402 Y601 Y602 Y603 Y604 Y605 	24 24 44 44 198 32 208 596 668 48 8 SR 0F 11 32	6'-4" 5'-1" 11'-10" 21'-5" 30'-0" 11'-0" 10'-0" 7'-7" 7'-7" 7'-0" 7'-8" 4'-4" TO 5'-2" 4'-4"	7023 553 628 208	STR 25 STR STR STR STR STR STR 37 23 37 23 37	2'-6" 2'-6" 0'-11 ½" 0'-6" 1'-0" 1'-0"	2'-5" 2'-5" 0'-9 ½" 3'-3" 0'-9 ½" 3'-6" TO 4'-4"	1'-4" 	1'-0"	0'-7"	0'-2"	0'-1"		SFN 68027 DESIGN AGEN
 * X402 * X403 * X404 * X405 * X406 * Y401 * Y402 Y601 Y602 Y603 Y604 Y605 T 	24 24 44 44 198 32 208 596 668 48 8 SR 0F 11 32 0F 11 32 0F	6'-4" 5'-1" 11'-10" 21'-5" 30'-0" 11'-0" 10'-0" 7'-7" 7'-7" 7'-0" 7'-8" 4'-4" TO 5'-2" 4'-4" 5'-2"	7023 553 628 208 15,201	STR 25 STR STR STR STR STR STR 37 23 37 23 37	2'-6" 2'-6" 0'-11 ½" 0'-6" 1'-0" 1'-0"	2'-5" 2'-5" 0'-9 ½" 3'-3" 0'-9 ½" 3'-6" TO 4'-4"	1'-4" 	1'-0"	0'-7"	0'-2"	0'-1"		68027
 * X402 * X403 * X404 * X405 * X406 * Y401 * Y402 Y601 Y602 Y603 Y603 Y604 Y605 TOTA 	24 24 44 44 198 32 208 596 668 48 8 SR 0F 11 32	6'-4" 5'-1" 11'-10" 21'-5" 30'-0" 11'-0" 10'-0" 7'-7" 7'-7" 7'-0" 7'-8" 4'-4" TO 5'-2" 4'-4" 5'-2"	7023 553 628 208	STR 25 STR STR STR STR STR STR 37 23 37 23 37	2'-6" 2'-6" 0'-11 ½" 0'-6" 1'-0" 1'-0"	2'-5" 2'-5" 0'-9 ½" 3'-3" 0'-9 ½" 3'-6" TO 4'-4"	1'-4" 	1'-0"	0'-7"	0'-2"	0'-1"		68027

- 3. FOR BENT BAR DETAILS, SEE SHEET 34/34.

NUMBERS ARE USED AND THE FIRST TWO DIGITS WHERE FOUR NUMBERS ARE USED INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE A P1001 IS A NUMBER 10 BAR. P501 IS A NUMBER 5 BAR. BAR DIMENSIONS ARE OUT TO OUT UNLESS OTHERWISE INDICATED. R INDICATES INSIDE RADIUS UNLESS OTHERWISE NOTED.

PROJECT ID 102781 SUBSET TOTAL
33
34 SHEET TOTAL **P.98 P.99**