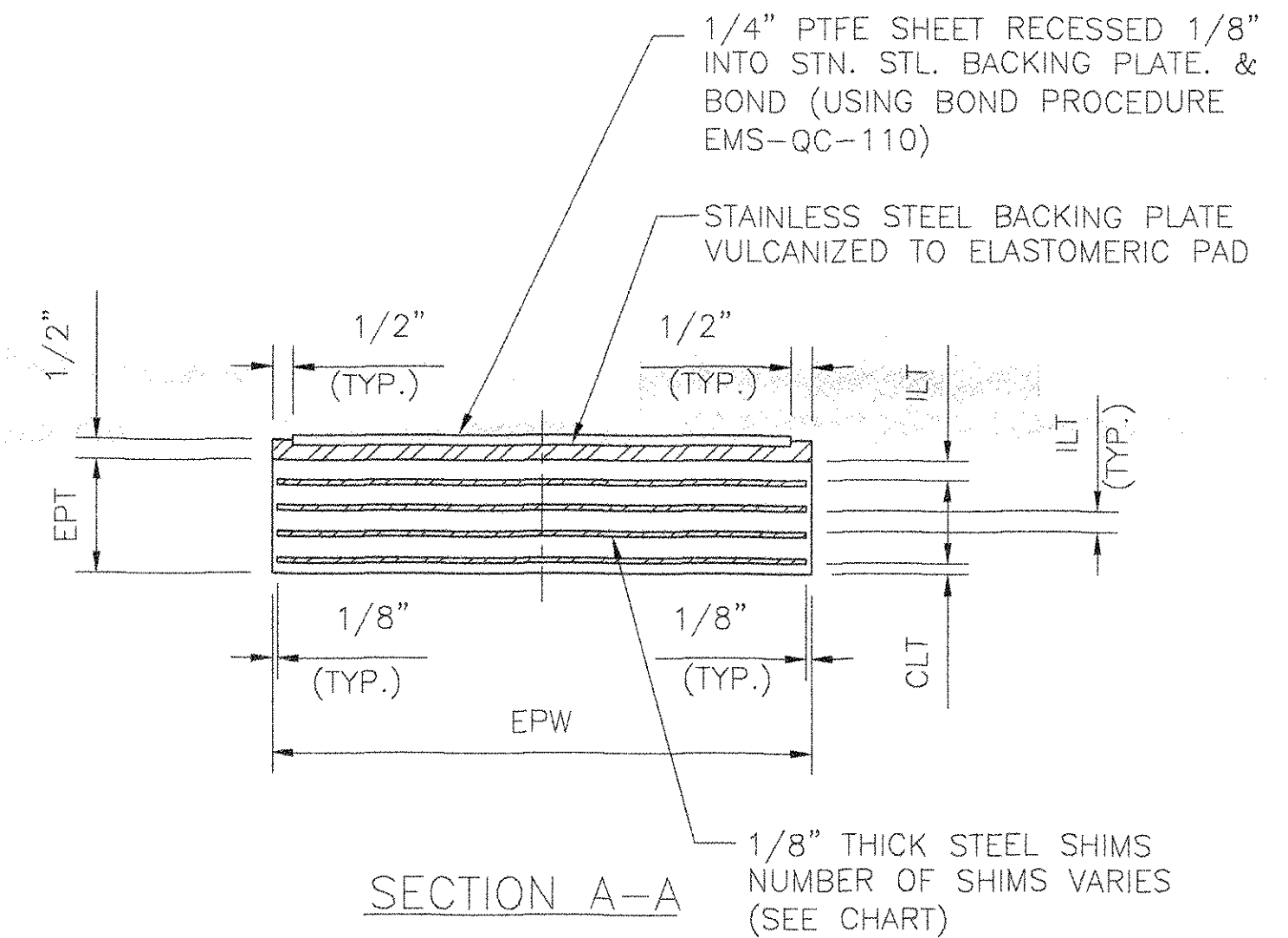
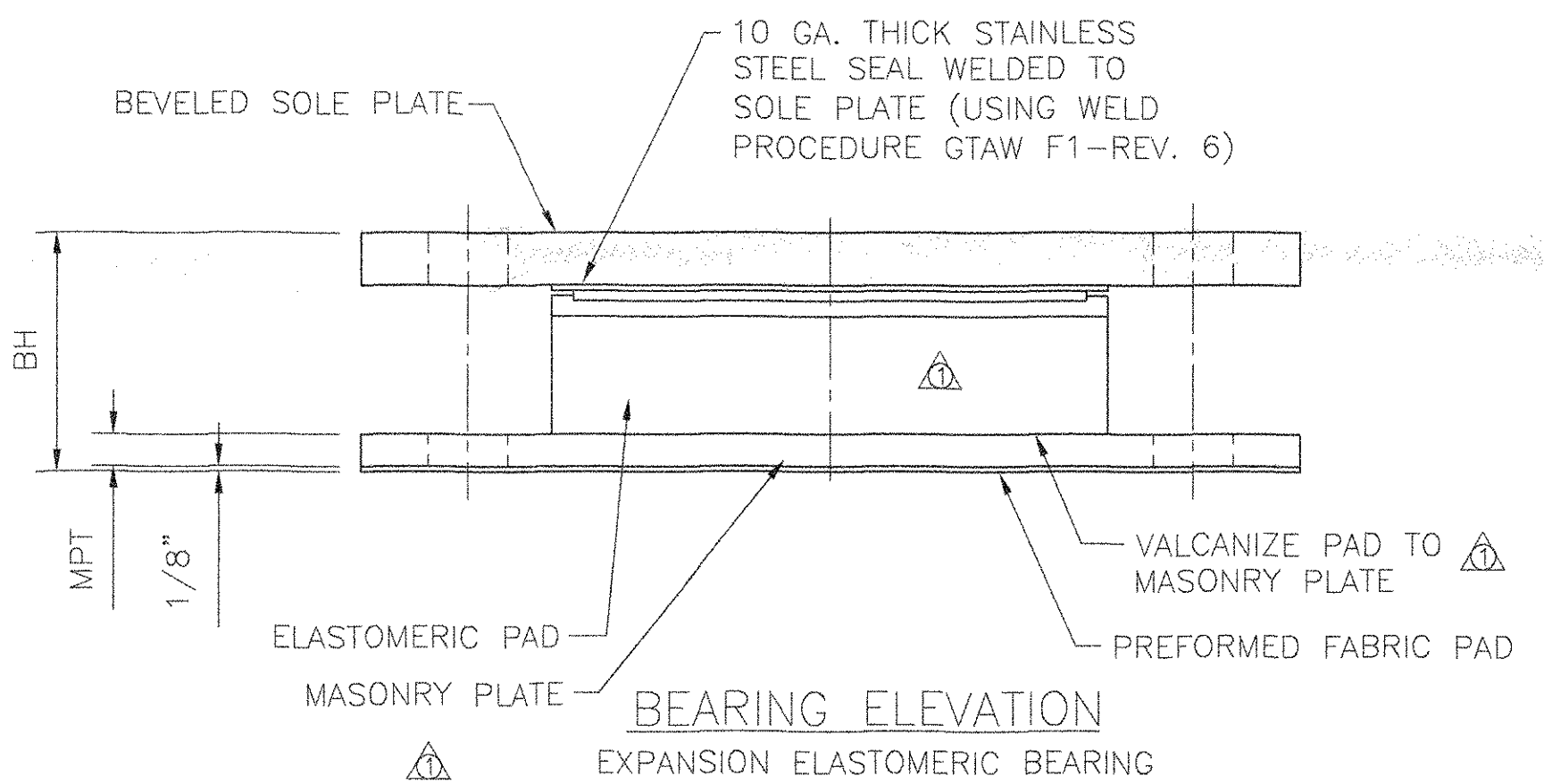
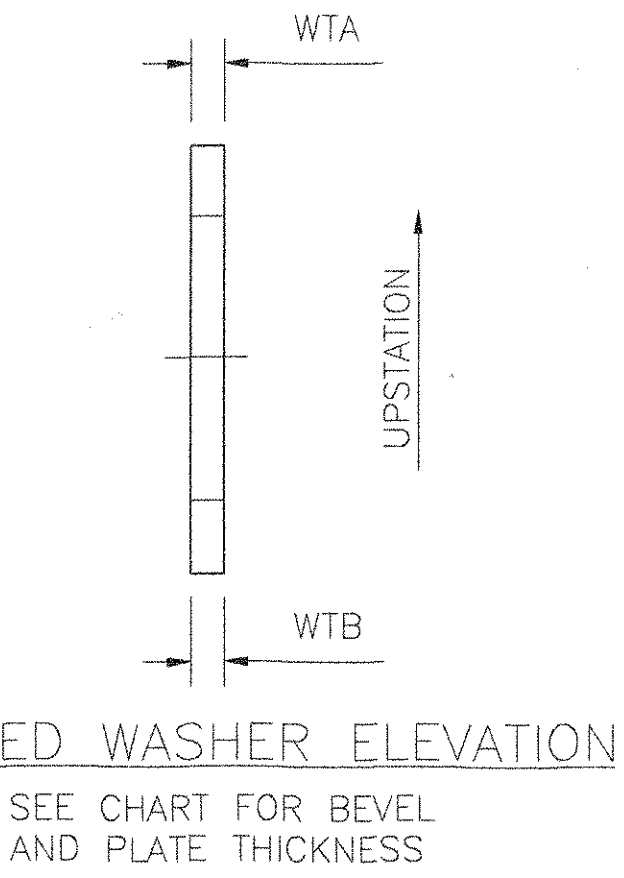
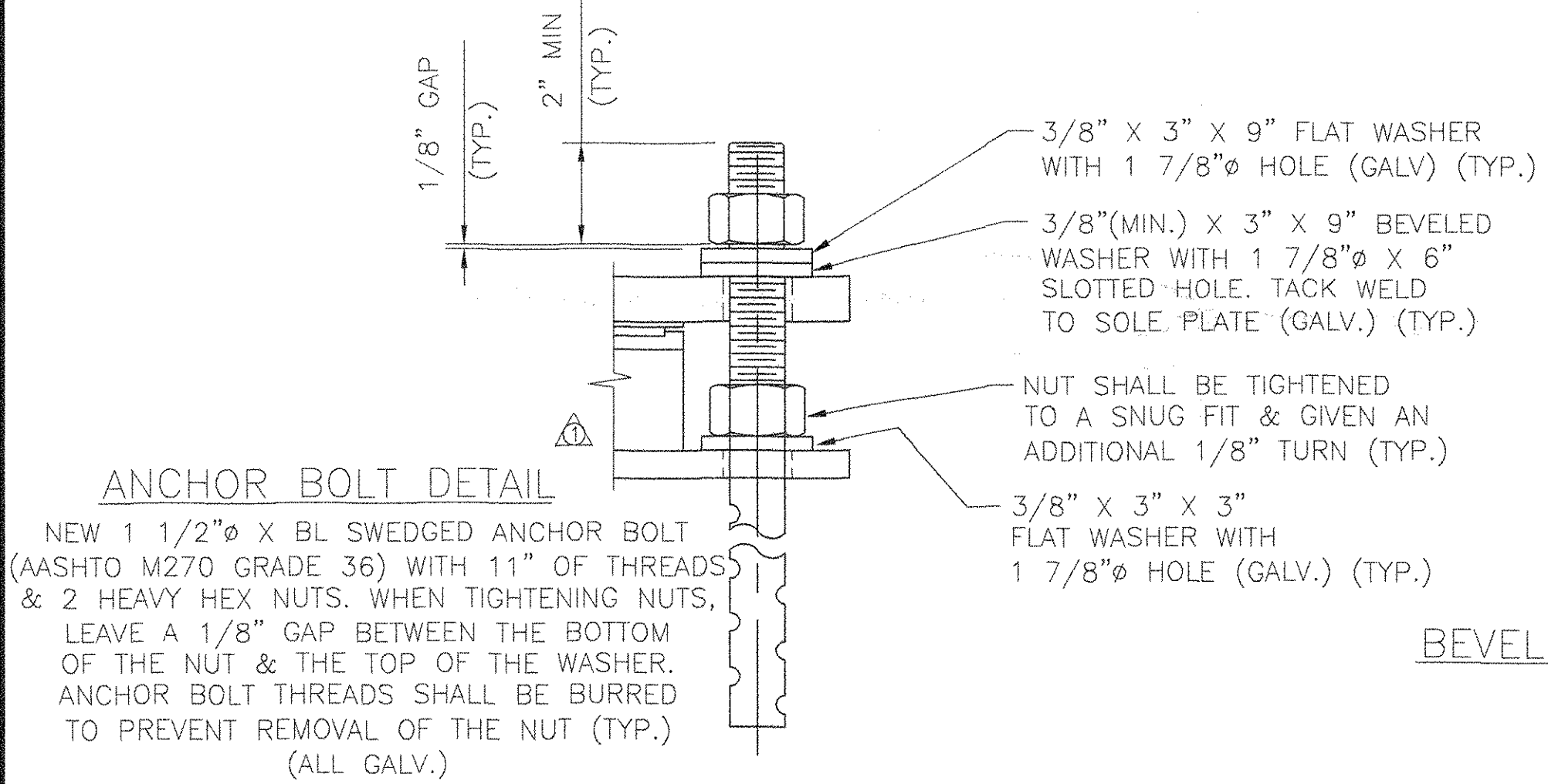
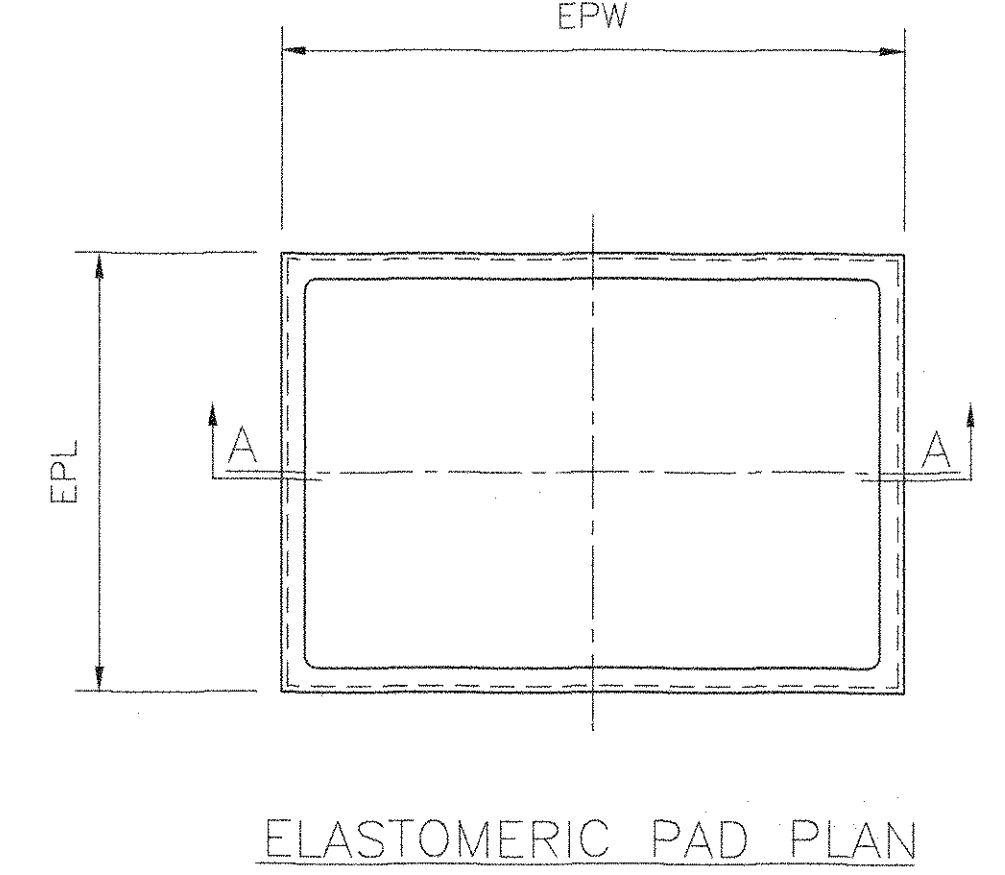


STEEL REINFORCED ELASTOMERIC BEARING PAD WITH PTFE SURFACE									
QUANTITY	TEST PAD	EXPANSION BEARING TYPE	LENGTH (EPL)	WIDTH (EPW)	THICKNESS (EPT)	COVER LAYER THICKNESS (CLT)	INTERNAL LAYER THICKNESS (ILT)	NUMBER OF INTERNAL ELASTOMERIC LAYERS	NUMBER OF INTERNAL STEEL SHIMS
5	1	A	9"	13"	2 3/4"	1/4"	1/2"	4	4
15	2	B	6 1/2"	17"	3 3/4"	1/4"	3/8"	7	7
24	3	C	7 1/2"	18 1/2"	2 3/4"	1/4"	1/2"	4	4
15	1	D	10"	14"	2 3/4"	1/4"	1/2"	4	4
25	3	E	9"	18 1/2"	2 3/4"	1/4"	1/2"	4	4
20	2	F	11 1/2"	18 1/2"	2 1/2"	1/4"	5/8"	3	3



QUANTITY	BEARING HEIGHT (BH) @ C	BRIDGE NO.	SUB-STRUCTURE NO.	Δ ASKEW ANGLE	DIRECTION OF SKEW	EXPANSION BEARING TYPE	SOLE PLATE				STAINLESS STEEL		MASONRY PLATE			ANCHOR BOLT		BEVELED WASHER THICKNESS				
							LENGTH (SPL)	WIDTH (SPW)	SPTA (UPSTATION)	SPTB (DOWNSTATION)	SPTC @ C	LENGTH (SSL)	WIDTH (SSW)	MPL1	MPL2	MPL	WIDTH (MPW)	THICKNESS (MPT)	LENGTH (BO)	LENGTH (BL)	UPSTATION	DOWNSTATION
ABUTMENT BEARINGS																						
5	5 3/8"	43N	ABUT. 2	45°07',37"	AHEAD RIGHT	A	13 1/2"	22"	3/4"	1 1/4"	1"	13"	13"	5 3/4"	7 1/4"	13"	22"	3/4"	8 1/2"	24"	11/16"	3/8"
5	6.59"	43S	ABUT. 1	44°35',15"	AHEAD RIGHT	B	12"	26"	1"	1 3/16"	1.09"	11 1/2"	17"	4 1/2"	6"	10 1/2"	26"	7/8"	10 1/2"	25"	1/2"	3/8"
5	5 3/8"	48N	ABUT. 2	62°40',28"	AHEAD LEFT	C	12 1/2"	27 1/2"	3/4"	3/4"	3/4"	12"	18 1/2"	5"	6 1/2"	11 1/2"	27 1/2"	1"	11 1/4"	24"	3/8"	3/8"
5	5 7/16"	48S	ABUT. 1	66°20',14"	AHEAD LEFT	C	13"	27 1/2"	7/8"	3/4"	3/4"	13/16"	12 1/2"	5"	6 1/2"	11 1/2"	27 1/2"	1"	11 1/4"	24"	3/8"	3/8"
7	5 3/8"	49N	ABUT. 2	90°00',00"	-----	C	10 1/2"	27 1/2"	3/4"	3/4"	3/4"	10"	18 1/2"	5"	6 1/2"	11 1/2"	27 1/2"	1"	11 1/4"	24"	3/8"	3/8"
7	5 3/8"	49S	ABUT. 2	90°00',00"	-----	C	10 1/2"	27 1/2"	3/4"	3/4"	3/4"	10"	18 1/2"	5"	6 1/2"	11 1/2"	27 1/2"	1"	11 1/4"	24"	3/8"	3/8"
5	6 5/8"	50N	ABUT. 2	46°29',48"	AHEAD RIGHT	B	13"	26"	1 1/4"	1"	1 1/8"	12 1/2"	17"	4 1/2"	6"	10 1/2"	26"	7/8"	10 1/2"	25"	3/8"	9/16"
5	6.72"	50S	ABUT. 1	43°31',43"	AHEAD RIGHT	B	12 1/2"	26"	1 7/16"	1"	1.22"	12"	17"	4 1/2"	6"	10 1/2"	26"	7/8"	10 1/2"	25"	3/8"	11/16"
PIER BEARINGS																						
5	5 11/16"	43N	PIER 1	44°50',07"	AHEAD RIGHT	D	12 1/2"	23"	3/4"	1 1/8"	15/16"	12"	14"	6 1/4"	7 3/4"	14"	23"	1 1/8"	9"	24"	5/8"	3/8"
5	5 11/16"	43N	PIER 2	45°01',13"	AHEAD RIGHT	D	13"	23"	3/4"	1 1/8"	15/16"	12 1/2"	14"	6 1/4"	7 3/4"	14"	23"	1 1/8"	9"	24"	5/8"	3/8"
5	5.79"	43S	PIER 1	44°46',15"	AHEAD RIGHT	E	13 1/2"	27 1/2"	3/4"	1 1/16"	.91"	13"	18 1/2"	5 3/4"	7 1/4"	13"	27 1/2"	1 1/4"	11 1/4"	24"	9/16"	3/8"
5	5 11/16"	43S	PIER 2	44°58',53"	AHEAD RIGHT	D	13 1/2"	23"	3/4"	1 1/8"	15/16"	13"	14"	6 1/4"	7 3/4"	14"	23"	1 1/8"	9"	24"	5/8"	3/8"
5	5 1/8"	48N	PIER 1	65°16',48"	AHEAD LEFT	F	14 1/2"	27 1/2"	3/4"	3/4"	3/4"	14"	18 1/2"	7"	8 1/2"	15 1/2"	27 1/2"	1"	11 1/4"	23"	3/8"	3/8"
5	5 1/8"	48N	PIER 2	63°58',14"	AHEAD LEFT	F	15 1/2"	27 1/2"	3/4"	3/4"	3/4"	15"	18 1/2"	7"	8 1/2"	15 1/2"	27 1/2"	1"	11 1/4"	23"	3/8"	3/8"
5	5 1/8"	48S	PIER 1	65°00',45"	AHEAD LEFT	F	15 1/2"	27 1/2"	3/4"	3/4"	3/4"	15"	18 1/2"	7"	8 1/2"	15 1/2"	27 1/2"	1"	11 1/4"	23"	3/8"	3/8"
5	5 1/8"	48S	PIER 2	63°58',14"	AHEAD LEFT	F	14 1/2"	27 1/2"	3/4"	3/4"	3/4"	14"	18 1/2"	7"	8 1/2"	15 1/2"	27 1/2"	1"	11 1/4"	23"	3/8"	3/8"
5	5.79"	50N	PIER 1	44°50',40"	AHEAD RIGHT	E	13"	27 1/2"	1 1/16"	3/4"	.91"	12 1/2"	18 1/2"	5 3/4"	7 1/4"	13"	27 1/2"	1 1/4"	11 1/4"	24"	3/8"	9/16"
5	5.79"	50N	PIER 2	45°48',12"	AHEAD RIGHT	E	13"	27 1/2"	1 1/16"	3/4"	.91"	12 1/2"	18 1/2"	5 3/4"	7 1/4"	13"	27 1/2"	1 1/4"	11 1/4"	24"	3/8"	9/16"
5	5 13/16"	50S	PIER 1	44°11',11"	AHEAD RIGHT	E	12 1/2"	27 1/2"	1 1/8"	3/4"	15/16"	12"	18 1/2"	5 3/4"	7 1/4"	13"	27 1/2"	1 1/4"	11 1/4"	24"	3/8"	5/8"
5	5 13/16"	50S	PIER 2	45°05',50"	AHEAD RIGHT	E	12 1/2"	27 1/2"	1 1/8"	3/4"	15/16"	12"	18 1/2"	5 3/4"	7 1/4"	13"	27 1/2"	1 1/4"	11 1/4"	24"	3/8"	5/8"

TVGA
Engineering, Surveying, P.C.

NO EXCEPTIONS TAKEN REJECTED
 FURNISH AS CORRECTED
 REVISE AND RESUBMIT

ENGINEER HAS REVIEWED SHOP DRAWINGS AND SAMPLES AND OTHER DATA WHICH CONTRACTOR IS REQUIRED TO SUBMIT, ONLY FOR CONFORMANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS AND COMPATIBILITY WITH THE DESIGN CONCEPT OF THE COMPLETED PROJECT AS A FUNCTIONING WHOLE AS INDICATED IN THE CONTRACT DOCUMENTS. SUCH REVIEW DOES NOT EXTEND TO METHODS, MATERIALS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION OR TO SAFETY PRECAUTIONS AND PROGRAMS INCIDENT HERETO. CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOB SITE, FOR INFORMATION THAT PERTAINS SOLELY TO THE FABRICATION PROCESS OR TO TECHNIQUES OF CONSTRUCTION, AND FOR COORDINATION OF THE WORK OF ALL TRADES.

BY: *[Signature]*
DATE: 3/26/01

STATE OF VERMONT
AGENCY OF TRANSPORTATION

HIGHWAY NUMBER I-89
TOWN OF MIDDLESEX-BOLTON
PROJECT # IM-089-2(26)

COSMEC, INC. 70 SOUTH STREET
WALPOLE, MA. 02081

SCALE: 1/4" = 1" DRAWN BY: R.F.C. CHECKED BY: MCM
DATE: 11-6-00 DATE: 11-27-00

COSMEC ELASTOMERIC BEARINGS

CUSTOMER: WINTerset INC. S.O. NUMBER: 59184 DRAWING NUMBER: 3393 REV: 1

REV. 1 TEST PADS, REMOVE KEEPER PLATES & VALCANIZE PAD TO MASONRY PLATE BY: RFC DATE: 1/31/01 CK'D BY: DATE: