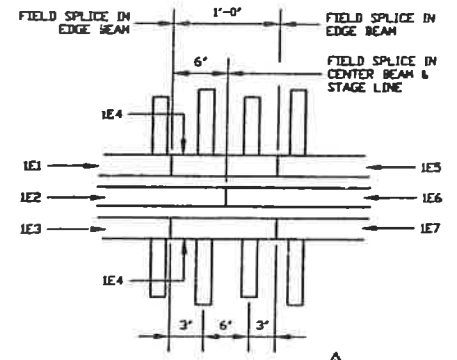
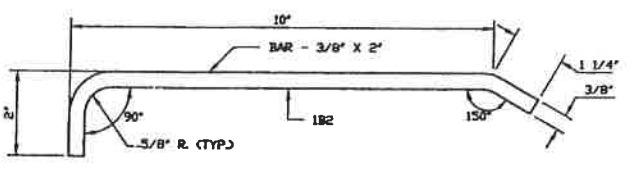
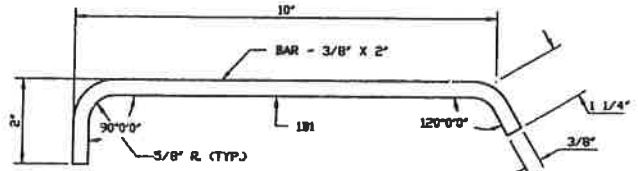
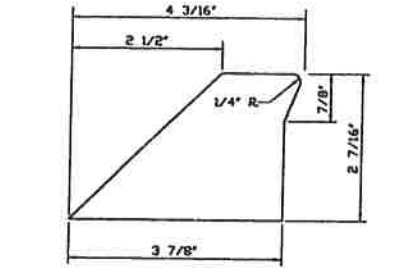


PLAN VIEW

STM52622AA - 4 REQUIRED
 1 @ STRUCTURE 166 ABUT. 1
 1 @ STRUCTURE 166 ABUT. 2
 1 @ STRUCTURE 167 ABUT. 1
 1 @ STRUCTURE 167 ABUT. 2

NOTE:
 SECTIONS IE4 & IE5
 TO BE SHIPPED LOOSE

NOTE:
 OMIT ANCHOR STRAP 1B1 & 1B2
 IF INTERFERENCE WITH TIE-DOWN
 PLATE OCCURS



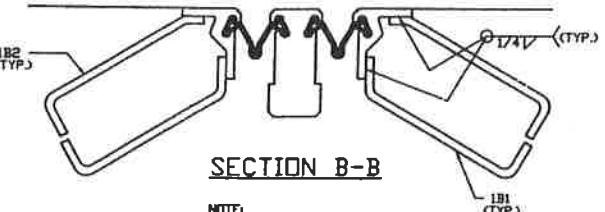
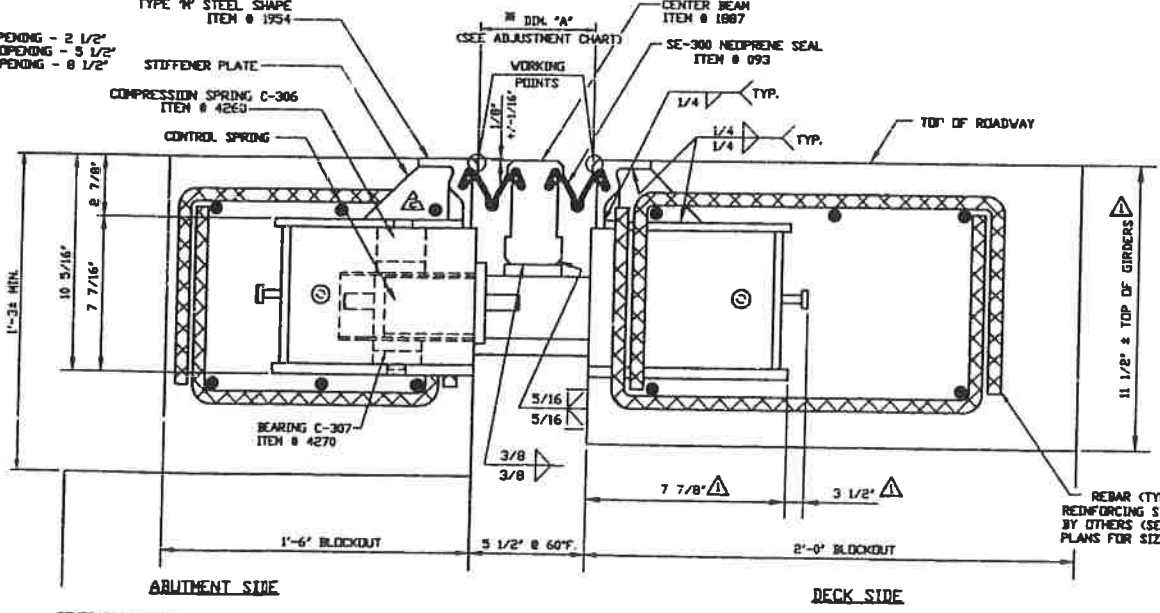
DIM. "A" TEMPERATURE ADJUSTMENT CHART

LOCATION	0°F.	10°F.	20°F.	30°F.	40°F.	50°F.	60°F.	70°F.	80°F.	90°F.	100°F.	110°F.	120°F.
ALL LOCATIONS	8 1/8"	7 11/16"	7 1/4"	6 13/16"	6 3/8"	5 15/16"	5 1/2"	5 1/16"	4 5/8"	4 3/16"	3 3/4"	3 5/16"	2 7/8"

GENERAL NOTES

- THE CONTRACTOR MUST VERIFY ALL DIMENSIONS TO INSURE ACCURACY PRIOR TO FABRICATION OF EXPANSION JOINT.
- ALL FABRICATION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 1995 EDITION OF THE TENNESSEE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS EXCEPT AS NOTED HEREIN.
- ALL WELDING SHALL BE IN ACCORDANCE WITH THE CURRENT AWS/AASHTO AWS STRUCTURAL WELDING CODE D1.5-96 AS MODIFIED BY SPECIAL PROVISION NO. 602. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS.
- ALL PERMANENT FASTENING HARDWARE SHALL BE ZINC PLATED.
- THE NEOPRENE SEAL SHALL BE FIELD INSTALLED BY THE CONTRACTOR USING PRIMA-LUB ADHESIVE AND SEAL INSTALLATION TOOLS. THE PRIMA-LUB SHALL BE APPLIED TO THE FULL PERIMETER OF THE EXTRUSION CAVITY.
- THE EXPANSION JOINT SHALL BE PRESET BY THE MANUFACTURER PRIOR TO SHIPPING TO THE DIMENSION SHOWN AT 60° F. FINAL ADJUSTMENT SHALL BE MADE AT THE DIRECTION OF THE ENGINEER, IN THE FIELD, BEFORE FINAL CONCRETE PLACEMENT.
- IN-HOUSE STATE SHOP INSPECTION IS NOT REQUIRED.
- THE SHOP SHALL COAT THE TEMPORARY DEVICES WITH A SHOP COAT OF CLEAR LACQUER SPRAY PAINT FOR PROTECTION AGAINST CORROSION.
- ALL SURFACES TO BE PAINTED SHALL BE BLAST CLEANED IN ACCORDANCE WITH STRUCTURAL STEEL PAINTING COUNCIL SPECIFICATION SSPC-SP10.
- ALL SURFACES OF THE EXPANSION JOINT (EXCEPT STAINLESS STEEL AND SURFACES IN CONTACT WITH NEOPRENE SEALS) SHALL BE GIVEN ONE SHOP COAT OF INORGANIC ZINC SILICATE PRIMER AT A RATE OF 2.5 MOLS DFT MIN. IN ACCORDANCE WITH SECTION 603 OF THE STANDARD SPECIFICATIONS. SURFACES WHICH WILL BE INACCESSIBLE AFTER FABRICATION SHALL BE COATED ONLY WITH THE INORGANIC ZINC SILICATE PRIMER.

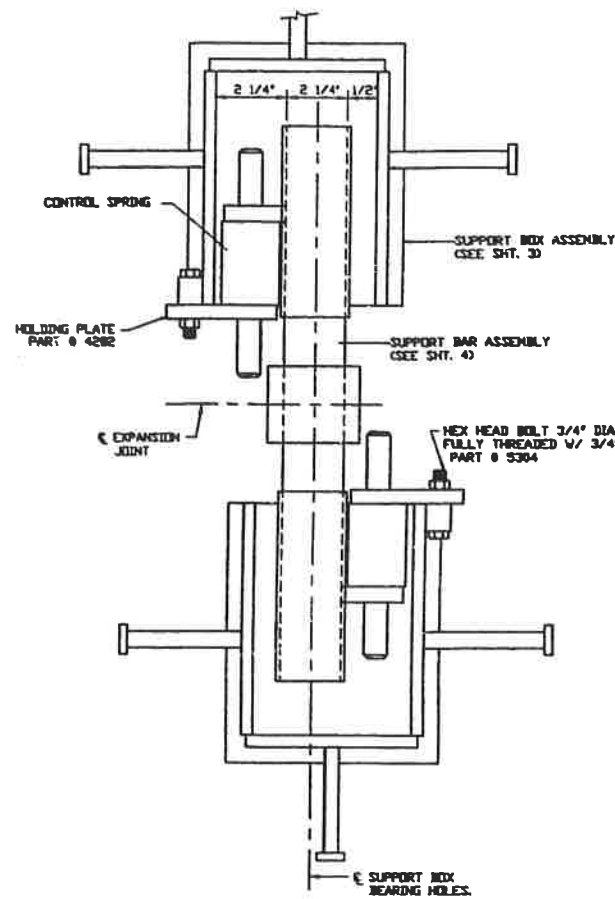
STATE: TENNESSEE
 COUNTIES: DAVIDSON
 STATE PROJECT NO.: 19947-4110-04
 STRUCTURE NO.: 166 & 167
 V.B.A. PRODUCT NO.: STM52622AA



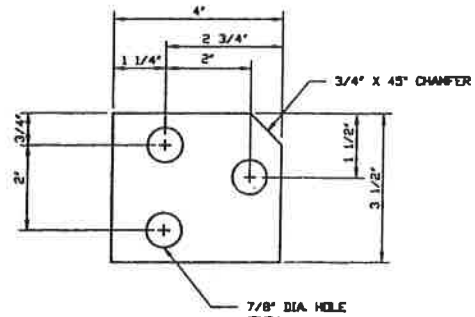
REVISIONS	NO.	DATE	DESCRIPTION
REVISOR	DATE	DESCRIPTION	
DESIGNED BY	DATE	DESCRIPTION	
CHECKED BY	DATE	DESCRIPTION	
SCALE	DATE	DESCRIPTION	
SHEET NO.	DATE	DESCRIPTION	
PROJECT	DATE	DESCRIPTION	

STATE: TENNESSEE
 COUNTIES: DAVIDSON
 STATE PROJECT NO.: 19947-4110-04
 STRUCTURE NO.: 166 & 167
 V.B.A. PRODUCT NO.: STM52622AA

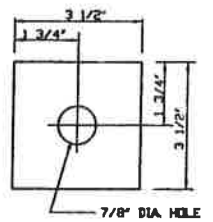
1 OF 7



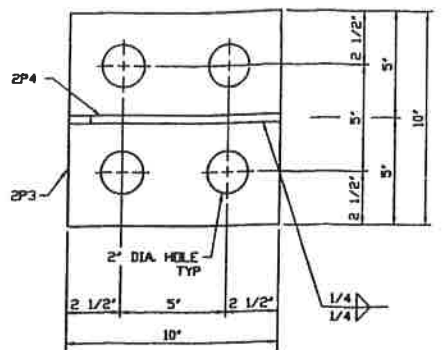
SUPPORT BOX PLAN VIEW



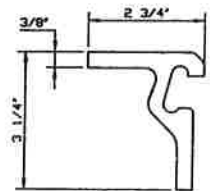
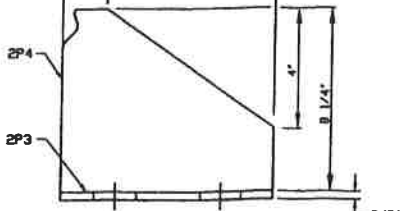
HOLDING PLATE
1/2" PLATE
PART NO. 4282



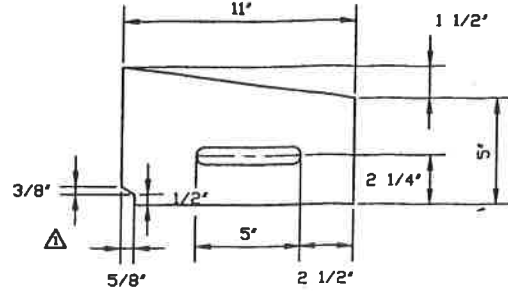
2B3 - BAR
3/8" BAR



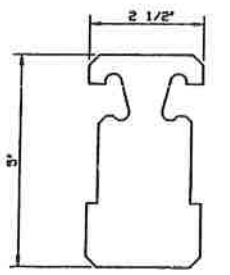
TIE DOWN - 2P3 & 2P4
3/8" PLATES



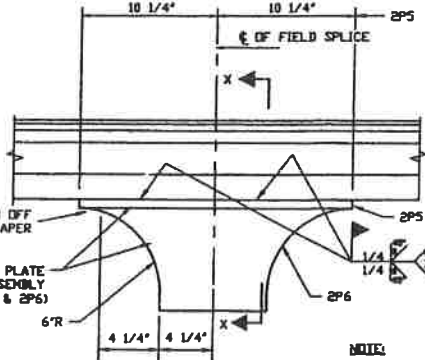
TYPE 'M' STEEL SHAPE
ITEM # 1954



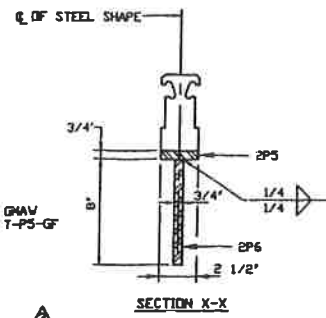
2P2 DETAIL
1/2" PLATE



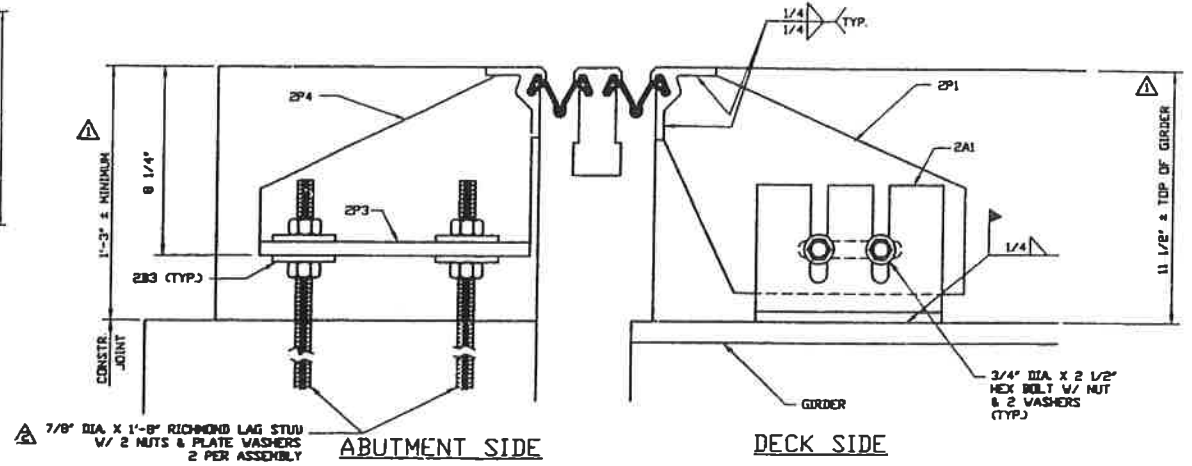
CENTER BEAM
ITEM # 1887



NOTE:
SPLICE PLATE IS PAINTED AND FIELD WELDED TO CENTER BEAM
SEE CENTER BEAM FIELD WELD DETAIL
CENTER BEAM FIELD WELD

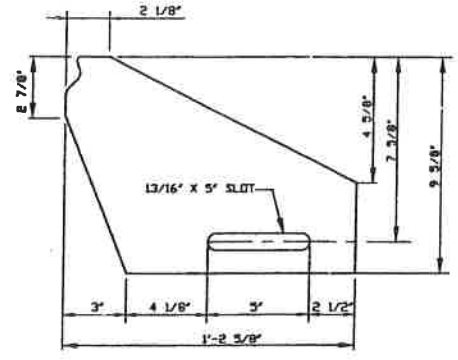
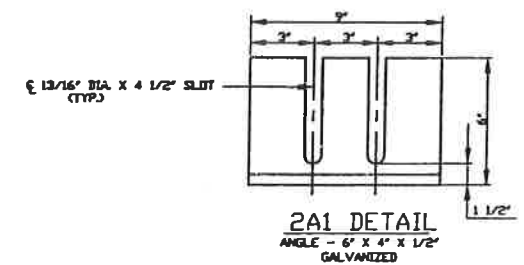


SECTION X-X

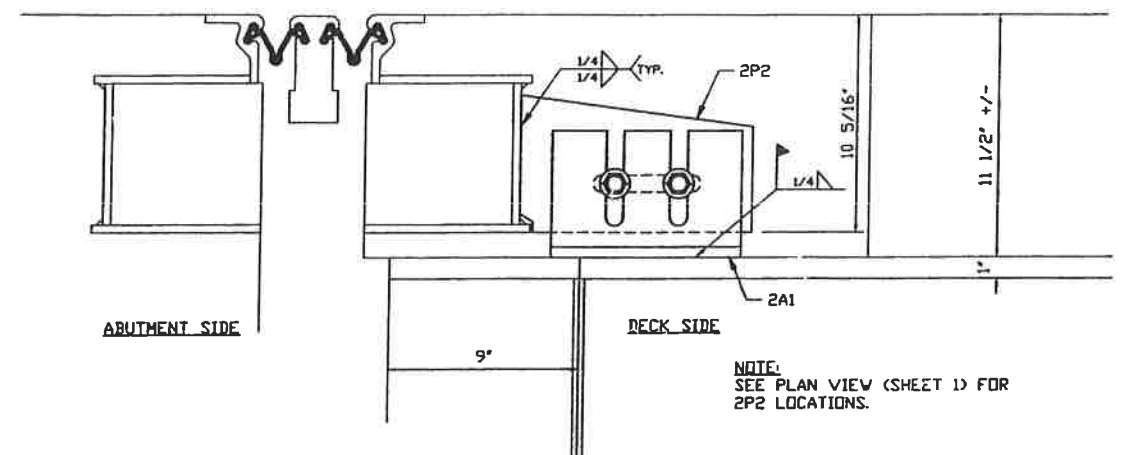


SECTION C-C

NOTE:
FOR INFO NOT SHOWN,
SEE SECT. A-A ON SHT. 1



2P1 DETAIL
1/2" PLATE

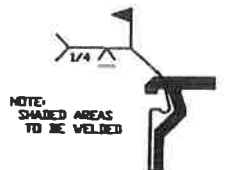


SECTION D-D

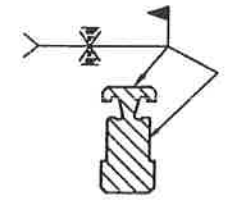
NOTE:
FOR INFO NOT SHOWN,
SEE SECT. A-A ON SHT. 1

NOTE:
SEE PLAN VIEW (SHEET 1) FOR
2P2 LOCATIONS.

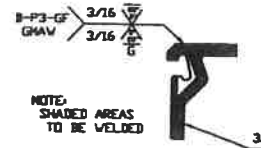
STATE: TENNESSEE
COUNTY: DAVIDSON
STATE PROJECT NO.: 19947-4110-04
STRUCTURE NO.: 166 & 167
V.B.A. PRODUCT NO.: STM52622AA



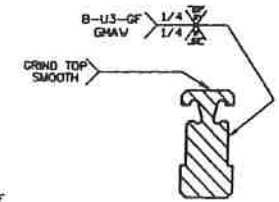
FIELD WELD DETAIL



FIELD WELD



SHOP WELD

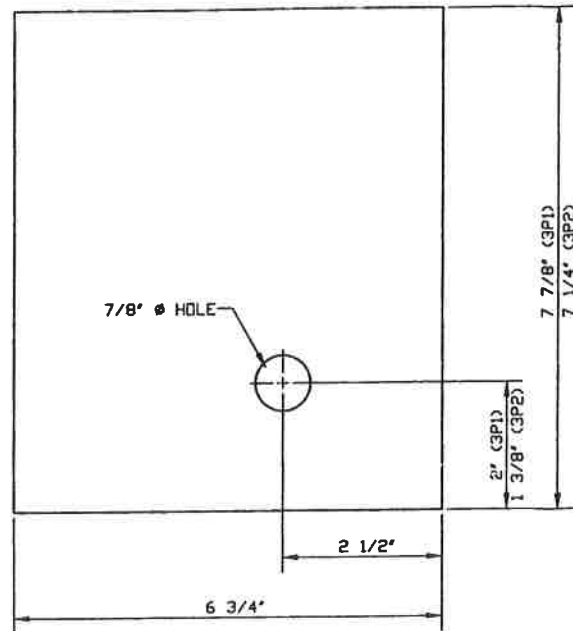
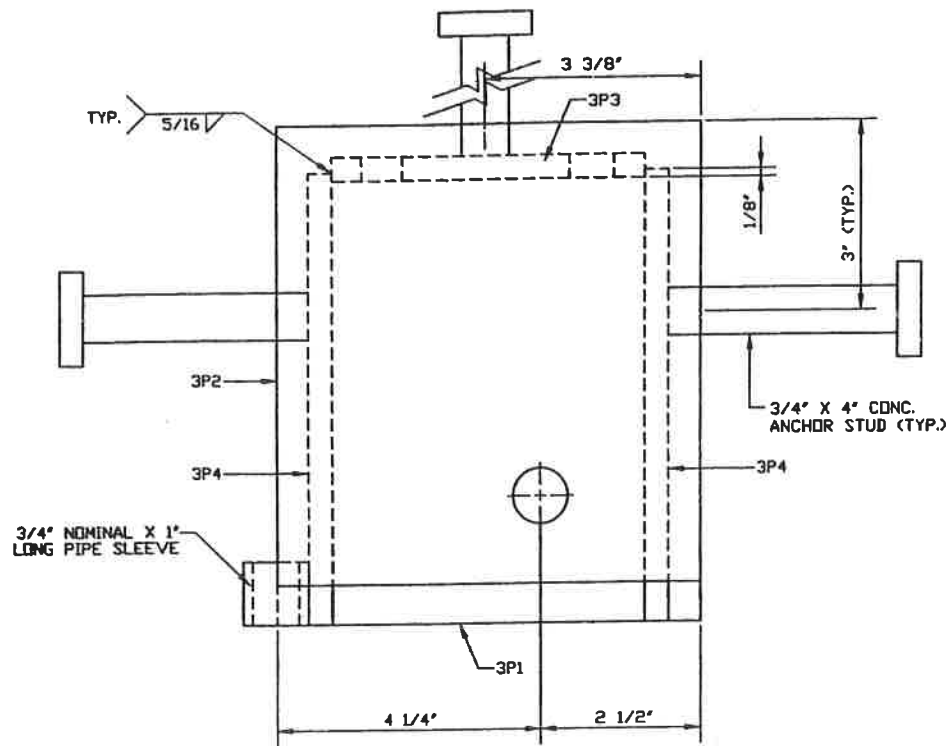


SHOP WELD

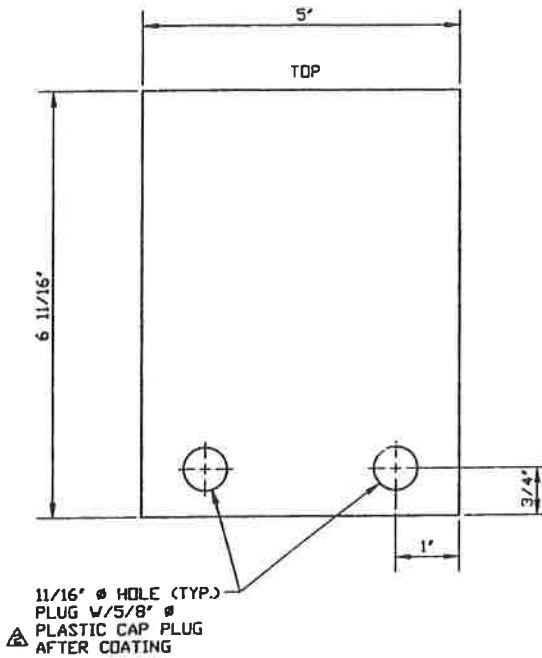
NO.	DESCRIPTION	DATE
1	REVISED NOTES PERTAINING TO COATINGS	07/22/99
2	REVISED PER ENGINEER	07/23/99
3	REVISED PER MANUFACTURER	07/23/99

DESIGNED BY: MN	DATE: 9/4/98
CHECKED BY: LFK	DATE: 9/19/98
SCALE: N.T.S.	W.B.A. NO.: 52622
PROJECT: I-440/I-65 DIRECTIONAL INTERCHANGE BRIDGE NO. 19-I440-4.82	SHEET NO.: 2 OF 7
W.B.A. STRIP SEAL MODULAR STM-600 EXP. JT.	CHANGING NO.: B-17867

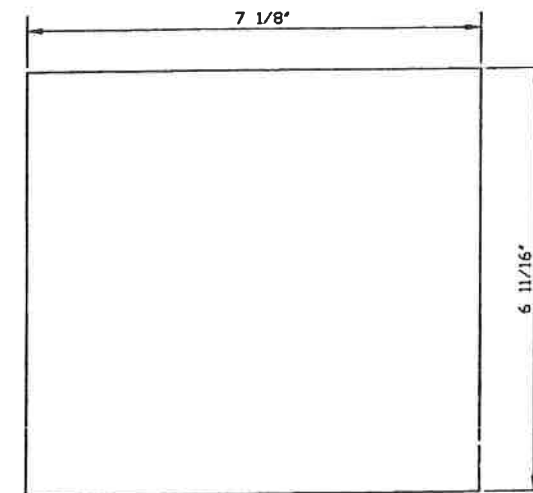
STRUCTURED BILL OF MATERIALS					DWG. NO. B-17867	
LV	PART NO.	QTY	UM	DESCRIPTION	MATERIAL	REV.
0	STM52622BX	1.000	EA	STM-600 SUPPORT BOX W/ STUDS (X)	PAINTED SUPPORT BOX	
1	STM6BXG1	1.000	EA	STM-600 STANDARD SUP. BOX AS88 B-17228	PAINTED SUPPORT BOX	
1	4710	3.000	EA	CONC. ANC. ST. 3/4" X 4" NP AV		



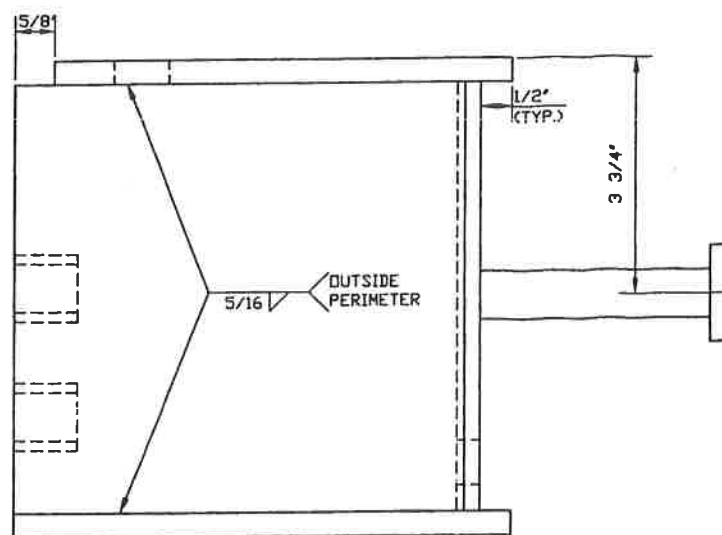
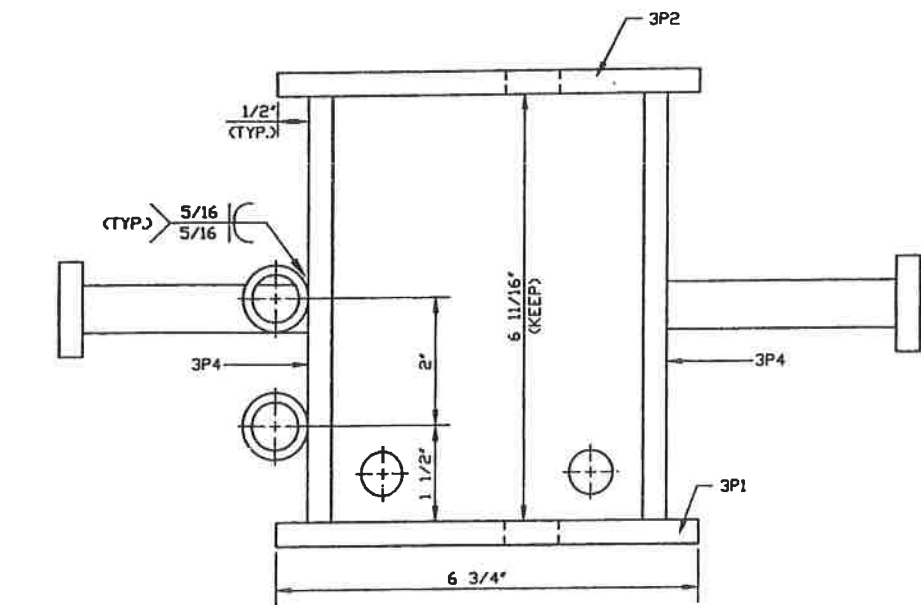
DETAIL - 3P1 & 3P2
(3/8" PLATE)



DETAIL - 3P3
(3/8" PLATE)



DETAIL - 3P4
(2 REQUIRED)
(3/8" PLATE)



MARK SYSTEM
2e1

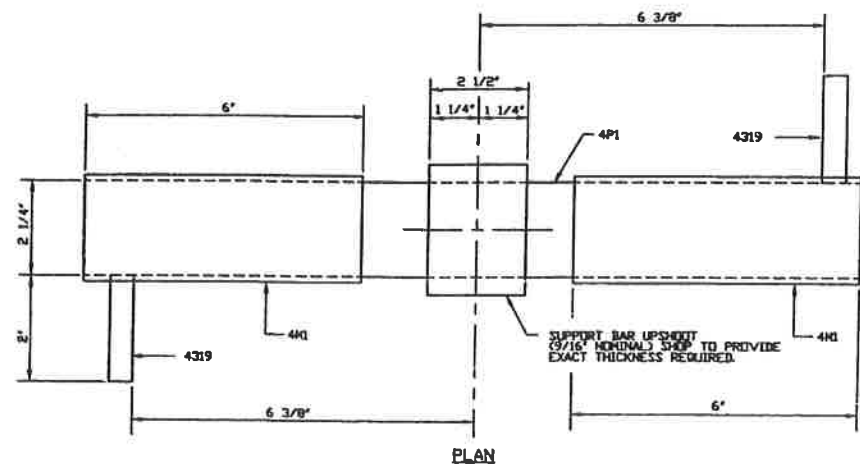
STATE: TENNESSEE
COUNTY: DAVIDSON
STATE PROJECT NO.: 19947-4110-04
STRUCTURE NO.: 166 & 167
V.B.A. PRODUCT NO.: STM52622AA

SUPPORT BOX ASSEMBLY

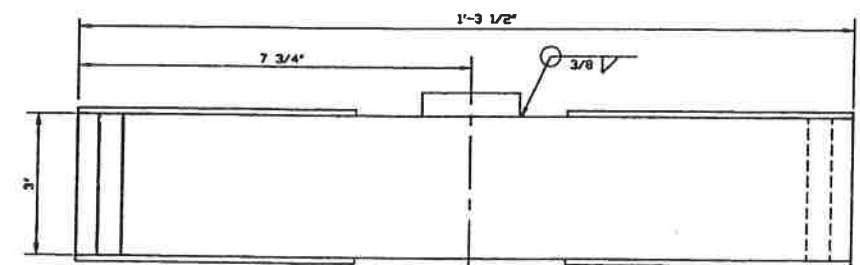
NO.	REVISION	DATE	BY	CHKD.	DATE	NO. OF SHEETS	SHEET NO.
	REVISED PER MANUFACTURER	07/22/98	MN	LFK	9/19/98	3	7
	REVISED PER MANUFACTURER	07/23/98	MN	LFK	9/19/98	3	7

DESIGNED BY: MN	DATE: 9/4/98
CHECKED BY: LFK	DATE: 9/19/98
SCALE: N.T.S.	NO. OF SHEETS: 52622
PROJECT: I-440/I-65 DIRECTIONAL INTERCHANGE BRIDGE NO. 19-1440-4B2	SHEET NO.: 3 OF 7
V.B.A. STRIP SEAL MODULAR STM-600 EXP. JT.	DWG. NO.: B-17867

LV	PMIT NO.	QTY	LN	DESCRIPTION	MATERIAL	REV.
8	STM5222R	1	EA	STM-600 SUPPORT BAR 4PI B-17867 CX	PAINTED SUPPORT BAR	
1	3729	3000	LB	PLATE 2 1/4"	A-500	
1	4259	2000	EA	MOD SUP STOP BAR C-1259	A-500	
1	STM5222R	4000	EA	FLAT BAR SS 2 1/2" X 6" (800) CX		
2	8559	8540	LB	STPLS STL II GA TYPE 304 B4 FIN		

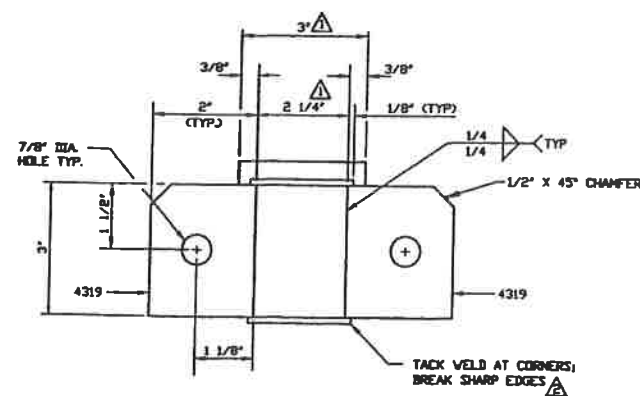


PLAN



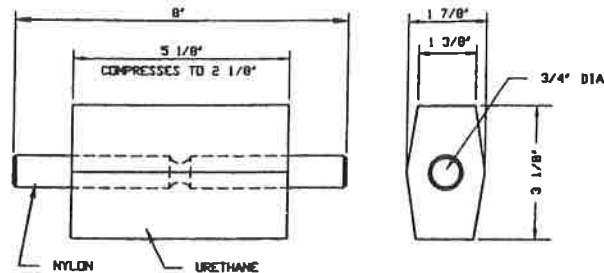
ELEVATION

SUPPORT BAR DETAIL

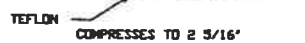
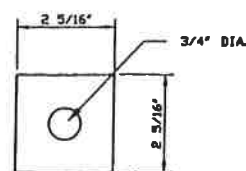


END VIEW

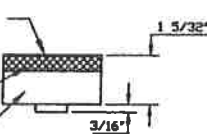
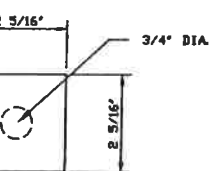
TACK WELD AT CORNERS; BREAK SHARP EDGES



CONTROL SPRING

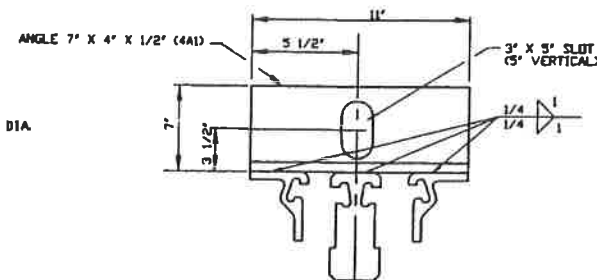


COMPRESSION SPRING



BEARING

C-307

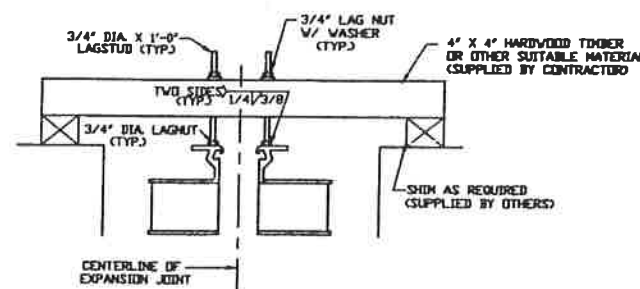


LIFTING DEVICE ASSEMBLY

(THIS IS A TEMPORARY DEVICE)

NOTE:

- LIFTING ANGLES SHALL BE PLACED BY THE FABRICATOR TO ACHIEVE A LEVEL LIFT FOR PLACEMENT (2 PER JT-SECTION).
- THE CONTRACTOR SHALL REMOVE AFTER THE JOINT SEAL ASSEMBLY IS SET IN BLOCKOUT, PRIOR TO PRESETTING OF JOINT SEAL ASSEMBLY.
- THE CONTRACTOR SHALL REMOVE BY GRINDING WELDS SMOOTH.
- CONTRACTOR SHALL TOUCH UP ANY DAMAGED PAINTED AREAS.



ELEVATION

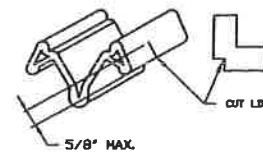
LEVELING ASSEMBLY

(THIS IS A TEMPORARY DEVICE)

NOTE:

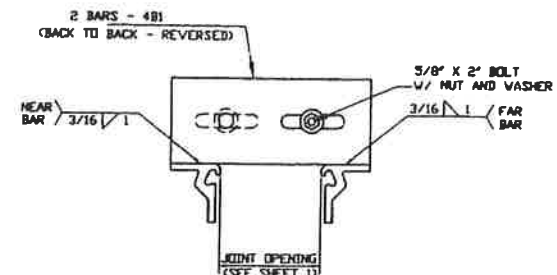
- LEVELING NUTS SHALL BE LOCATED AT EVERY OTHER SUPPORT BOX.
- LEVELING NUTS SHALL BE SHOP INSTALLED PARALLEL TO THE EXPANSION JOINT SUPPORT BARS.
- CONTRACTOR SHALL REMOVE LEVELING NUTS WHEN JOINT IS SET AND GRIND WELDS SMOOTH.
- CONTRACTOR SHALL MATCH DRILL THE TIMBER WITH THE 3/4" LAG NUTS PRIOR TO SETTING THE EXPANSION DAM IN ITS FINAL POSITION.
- CONTRACTOR SHALL TOUCH UP ANY DAMAGED PAINTED AREAS.

LEVELING RODS AND HARDWARE ARE SUPPLIED FOR STAGE 1 ONLY AND SHALL BE REUSED BY CONTRACTOR FOR STAGE 2 INSTALLATION WHEN REQUIRED.



SEAL TREATMENTS AT CURB

(TO BE USED FOR ANGLES GREATER THAN 60°)

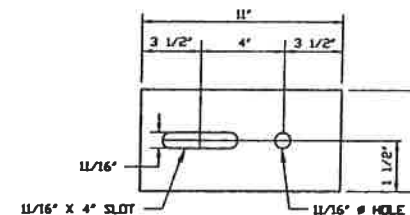


SHIPPING CLAMP ASSEMBLY

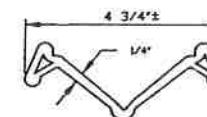
(THIS IS A TEMPORARY DEVICE)

NOTE:

- SHIPPING CLAMPS SHALL BE SPACED DIRECTLY BETWEEN SUPPORT BOXES, PARALLEL TO THE CENTERLINE OF THE SUPPORT BARS, BETWEEN END OF JOINT AND FIRST BOX AND BETWEEN LAST BOX AND END OF JOINT.
- EACH SHIPPING CLAMP ASSEMBLY SHALL INCLUDE:
 - (2) BAR - 481
 - (2) 5/8" DIA X 2" BOLT
 - (2) 5/8" STD. HEX NUT
 - (2) 5/8" STD. WASHERS
- CONTRACTOR TO REMOVE SHIPPING CLAMPS WHEN JOINT IS SET AND GRIND WELDS SMOOTH.
- CONTRACTOR SHALL TOUCH UP ANY DAMAGED PAINTED AREAS.



481 DETAIL



KEYDRIFT BATING = 3"

SE-300 SEAL

ITEM # 093

STATE: TENNESSEE
 COUNTY: DAVIDSON
 STATE PROJECT NO.: 19947-4110-04
 STRUCTURE NO.: 166 & 167
 W.B.A. PRODUCT NO.: STM52622AA

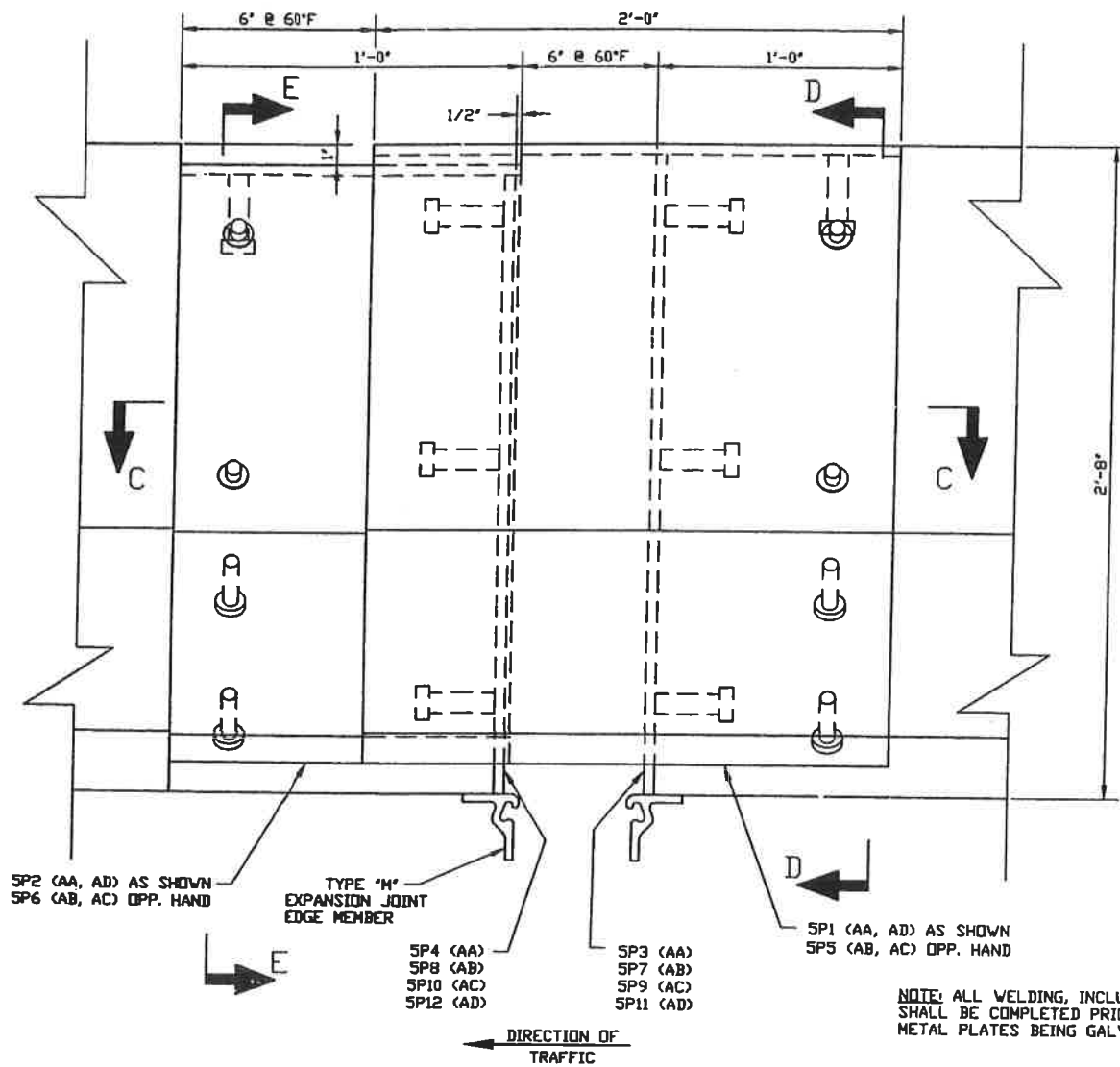
NO.	DESCRIPTION	DATE
1	REVISIONS	
2	REVISOR	
3	DATE	



PROJECT: I-440/I-65 DIRECTIONAL INTERCHANGE
 BRIDGE NO. 19-I440-4.82
 W.B.A. STRIP SEAL MODULAR STM-600 EXP. JT.

DESIGNED BY:	MN	DATE:	9/4/98
CHECKED BY:	LFK	DATE:	9/19/98
SCALE:	N.T.S.	W.B.A. JOB NO.:	52622
SHEET NO.:	4 OF 7	DRAWING NO.:	B-17867

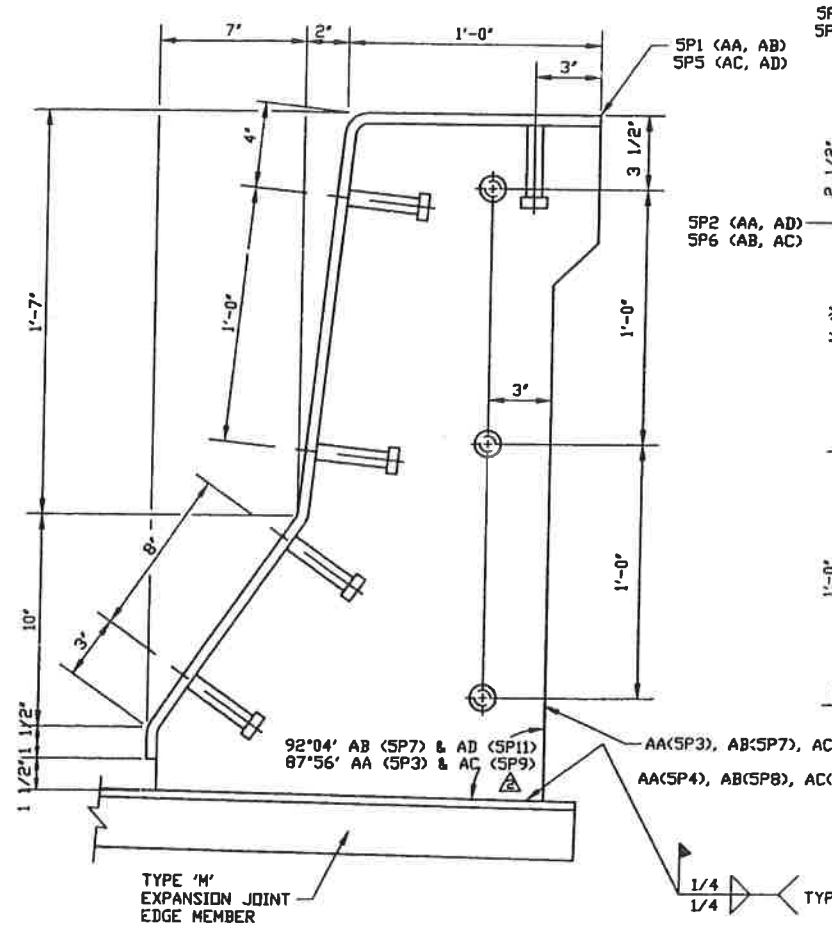
ALL PERMANENT METAL COMPONENTS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-123, AND SHALL BE Banded TOGETHER FOR SHIPPING.



ELEVATION VIEW

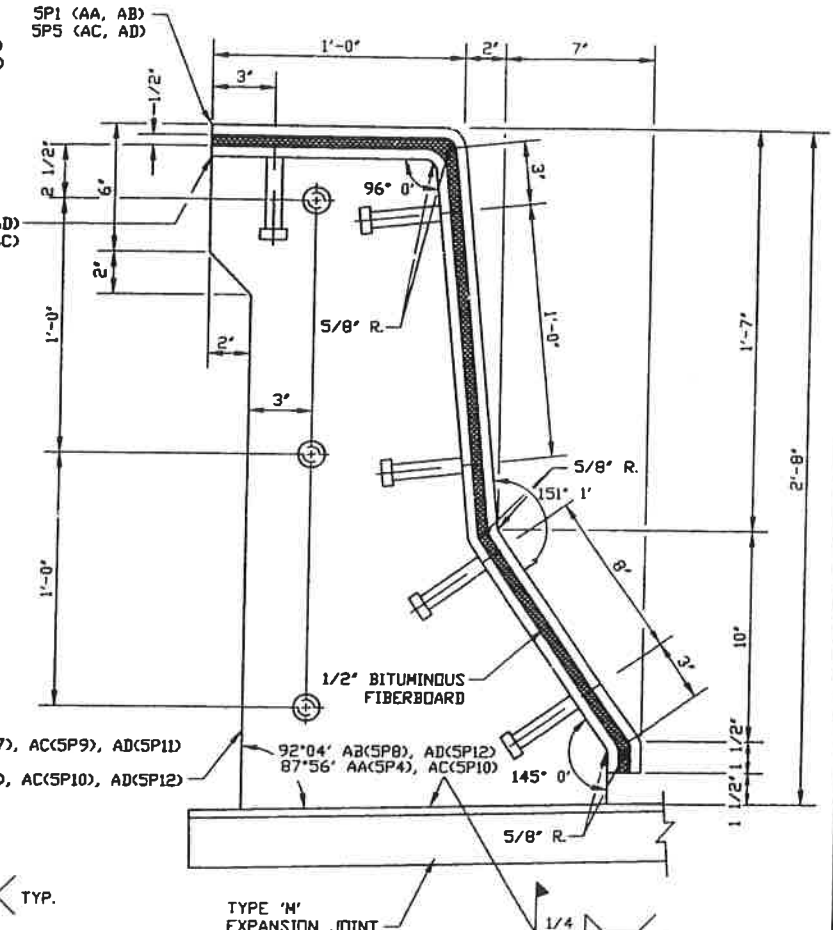
- SLI52622AA - 2 REQUIRED AS SHOWN
- SLI52622AB - 2 REQUIRED OPP. HAND
- SLI52622AC - 2 REQUIRED OPP. HAND
- SLI52622AD - 2 REQUIRED AS SHOWN

NOTE: ALL WELDING, INCLUDING STUDS, SHALL BE COMPLETED PRIOR TO METAL PLATES BEING GALVANIZED.



SECTION D - D

(SEE SECTION E-E FOR INFO NOT SHOWN)

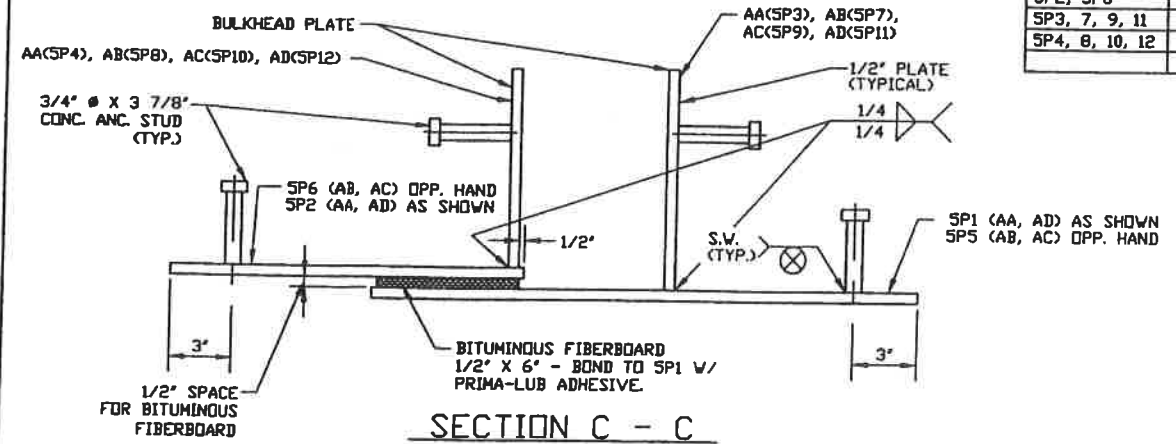


SECTION E - E

PLATE LIST FOR ONE SLIDER PLATE ASSEMBLY		
PLATE	DESCRIPTION	QTY.
SP1, SP5	PLATE 1/2" X 2'-0" X 3'-11" ■ (BENT)	1
SP2, SP6	PLATE 1/2" X 1'-0" X 3'-9 1/8" ■ (BENT)	1
SP3, 7, 9, 11	PLATE 1/2" X 1'-8 1/2" X 2'-7 1/2"	1
SP4, 8, 10, 12	PLATE 1/2" X 1'-7 1/2" X 2'-6 1/2"	1

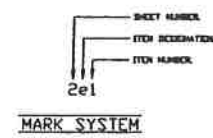
■ 3" ADDED FOR BENDING PURPOSES. TRIM AFTER BENDING.

ASSEMBLY	STRUCTURE	LOCATION	
SLI52622AA	166	ABUT. 1 & 2 NORTH CURB	(LOW SIDE)
SLI52622AB	166	ABUT. 1 & 2 SOUTH CURB	(HIGH SIDE)
SLI52622AC	167	ABUT. 1 & 2 NORTH CURB	(LOW SIDE)
SLI52622AD	167	ABUT. 1 & 2 SOUTH CURB	(HIGH SIDE)



SECTION C - C

SLI52622AA & AD (AS SHOWN)
SLI52622AB & AC (OPP. HAND)



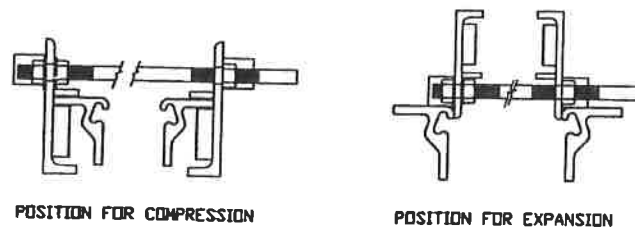
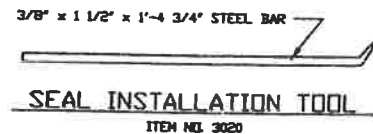
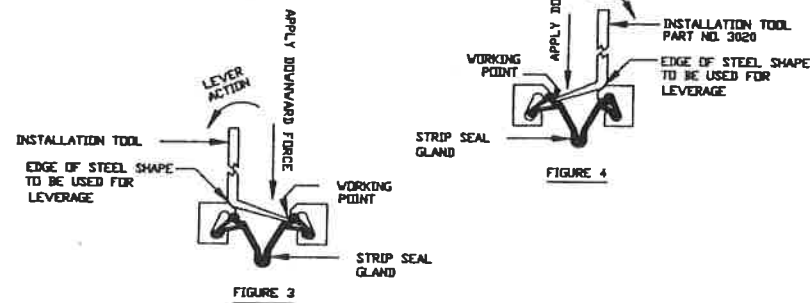
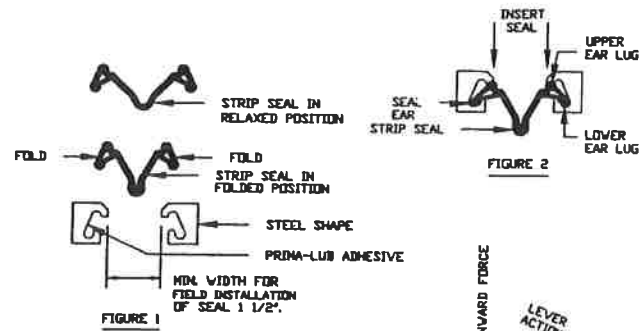
STATE: TENNESSEE
COUNTIES: DAVIDSON
STATE PROJECT NO.: 19947-4110-04
STRUCTURE NO.: 166 & 167
W.B.A. PRODUCT NO.: SLI52622AA, AB, AC, AD

REVISIONS	NO.	DESCRIPTION	DATE
1	07/25/99	CORRECTED PIECE MARK DESIGNATION	MN
2	07/25/99	REVISED PER MANUFACTURER	MN

DESIGNED BY:	MN	DATE:	9/4/98
CHECKED BY:	LFK	DATE:	9/19/98
SCALE:	N.T.S.	DRAWING NO.:	52622
SHEET NO.:	5 OF 7	PROJECT NO.:	I-440/1-65 DIRECTIONAL INTERCHANGE BRIDGE NO. 19-1440-4.82
		W.B.A. STRIP SEAL MODULAR STM-600 EXP. JT.	B-17867

NEOPRENE SEAL INSTALLATION PROCEDURE

1. PRIOR TO INSTALLATION OF THE SEAL, THE EXTRUSION CAVITY MUST BE FREE OF ALL CONCRETE, DIRT, OIL OR ANY OTHER CONTAMINANTS. THOROUGHLY CLEAN THE EXTRUSION CAVITY AND THE SEAL EARS WITH AN APPROVED SOLVENT (ex. TOLUENE OR XYLENE).
2. APPLY THE LUBRICANT/ADHESIVE TO THE INSIDE OF THE EXTRUSION CAVITY AND TO THE SEAL EAR LUGS ON BOTH SIDES OF THE EXPANSION JOINT. (APPLY THE LUBRICANT/ADHESIVE IN APPROX. 5 FT. INCREMENTS TO PREVENT IT FROM SETTING BEFORE THE SEAL IS INSERTED INTO THE EXTRUSION CAVITY.)
3. MANUALLY FOLD SEAL AS SHOWN IN FIG. 1, AND INSERT INTO THE OPENING BETWEEN THE EXTRUSIONS. MAKE SURE THAT THE NEOPRENE SEAL IS NOT INSERTED THROUGH AND PAST THE EXTRUSION SEAL CAVITY. ONCE PROPERLY INSERTED, THE BOTTOM HALF OF THE EAR LUGS SHOULD BE AUTOMATICALLY EXTENDED OUTWARD AND SEAT THEMSELVES INTO THE BOTTOM PORTION OF THE EXTRUSION CAVITY. (SEE FIGURE 2)
4. USING THE INSTALLATION TOOLS PROVIDED, WORK THE UPPER EARLUG OF THE SEAL TO ROTATE TOWARD THE BACK OF THE EXTRUSION CAVITY AND LOCK IN UNDER THE UPPER LIP. (SEE FIG. 3) USE ONE OF THE TOOLS TO HOLD THE UPPER EARLUG AND A SECOND TOOL TO APPLY THE LEVER ACTION, UNTIL THE UPPER EARLUG HAS BEEN PROPERLY SEATED AND LOCKED INTO PLACE. REVERSE THE TOOL AND INSTALL OPPOSITE SIDE IN THE SAME MANNER. (FIGURE 4)
5. REPEAT STEPS 2 THRU 4 UNTIL THE ENTIRE SEAL HAS BEEN INSTALLED. INSPECT THE OVERALL SEAL INSTALLATION AND INSURE THAT THE SEAL HAS BEEN PROPERLY INSTALLED AND LOCKED IN THE EXTRUSION CAVITY. ANY PORTION OF THE SEAL NOT PROPERLY LOCKED MUST BE CORRECTED AT ONCE BY REPEATING STEP 4. ALLOW LUBRICANT/ADHESIVE 24 HOURS TO FULLY CURE.



PRESTRESS DEVICE
(PART # 4324)

MATERIAL SPECIFICATIONS

STEEL EDGE & CENTER BEAMS - All beams are made of ASTM A-588 grade steel and have grooves which grip the neoprene locking seal.

NEOPRENE LOCKING SEAL - The neoprene locking seal is bonded to the steel beams with Prima-Lub Adhesive. The neoprene seal is designed to absorb all joint movements. The physical properties of the locking seal are as follows:

PHYSICAL PROPERTIES	PROCEDURE	REQUIREMENT
Tensile Strength	(D-412)	2000 PSI
Elongation at Break	(D-412)	250%
Hardness, Type A Durometer	(D-2240) MID.	55-70
Compression Set 70 hour at 212°F (D)	(D-395) Method B Mod.	40%
Oven Aging, 70 hour at 212°F	(D-573)	
Tensile Strength, loss, max.		20%
Elongation, loss, max.		20%
Hardness, Type A Durometer (points change)		0 to +10
DI Swell, Astm #3, 70 hour at 212°F, weight change max.		45%
Ozone Resistance, 20% strain 300 PPHM, in air at 104°F (wiped with toluene to remove surface contamination)	(D-1149)	No Cracks

COMPRESSION SPRING C-306 - This compression spring is composed of urethane, epoxy and 3/64" thick teflon sheet. The compression spring sits on top of the support bar. The physical properties of the urethane are:

Shore Durometer	(ASTM D-2240)	90A
Elongation at Break	(ASTM D-412)	425%
Tensile Strength	(ASTM D-412)	6500 PSI
100% Modulus	(ASTM D-412)	1200 PSI
300% Modulus	(ASTM D-412)	2400 PSI
Tear Strength	(ASTM D-470)	110 PLI
Rebound Resilience	(ASTM D-2632)	40%

CONTROL SPRING - The control spring which is located between the support bars act to equalize the expansion of each seal. The control spring is made of URETHANE.

STAINLESS STEEL SHEETING - Stainless steel is used on the sliding surfaces of the support bar that contact the teflon surface of the bearing and compression spring. The stainless steel shall be ASTM A167, Type 304, No. 4 Finish.

PRIMA-LUB ADHESIVE - Prima-lub Adhesive is used to bond the neoprene locking seal to the steel extrusions. This adhesive shall be a one-part moisture curing polyurethane and hydrocarbon solvent mixture with the following physical properties:

Average Weight per Gallon	8.5 lbs +/- 10%
Solids Content	72% (min)
Adhesive to remain workable	From 5-120°F
Flm Strength	2000 PSI (min)
Elongation at room temperature	350% (min)
Flash Point (seta closed cup)	over 100°F

BEARING C-307 - The bearing is composed of urethane, epoxy and 3/64" thick teflon sheet on which the support bar slides on. The physical properties of the urethane are:

Shore Durometer	(ASTM D-2240)	90A
Elongation at Break	(ASTM D-412)	425%
Tensile Strength	(ASTM D-412)	6500 PSI
100% Modulus	(ASTM D-412)	1200 PSI
300% Modulus	(ASTM D-412)	2400 PSI
Tear Strength	(ASTM D-470)	110 PLI
Rebound Resilience	(ASTM D-2632)	40%

INSTALLATION PROCEDURE

- STEP 1. Compare the dimensions of SECTION A-A on sheet #1 with the field dimensions. Correct as necessary.
- STEP 2. Lift and then place of expansion joint into blockout. While joint is suspended install leveling devices and adjust to proper grade and elevation. Remove lifting devices, and loosen shipping clamp nuts.
- STEP 3. Preset the expansion joint opening using the structure temperature and as determined by the Engineer in charge. Retighten nuts at shipping clamps.
- STEP 4. Check joint for alignment with crown and curbs (as required).
- STEP 5. Complete all connections to the superstructure.
- STEP 6. Prior to placement of concrete, all prestress devices shall be removed. Devices on top of the joint may remain if their location will not interfere with concrete placement or expansion joint performance. (loosen shipping clamp bolts.)
- STEP 7. Temperature and joint opening should be checked for any discrepancies from initial adjustment.
- STEP 8. Contractor shall at this time have all required formwork in place.
- STEP 9. All concrete placement shall be in accordance with the specifications.
- STEP 10. Contractor shall remove all temporary devices from top of joint and touch-up all damaged painted surfaces.
- STEP 11. Contractor shall field install neoprene seals; see recommended seal installation procedure on this sheet.
- STEP 12. Joint shall be tested for water tightness per SP604M.

STATE: TENNESSEE
COUNTIES: DAVIDSON
STATE PROJECT NO.: 19947-4110-04
STRUCTURE NO.: 166 & 167
V.B.A. PRODUCT NO.: STM52622AA

NO.	DESCRIPTION	DATE	BY
1	REVISIONS		
2	REVISOR'S NAME		
3	REVISOR'S TITLE		
4	REVISOR'S COMPANY		
5	REVISOR'S ADDRESS		
6	REVISOR'S PHONE		
7	REVISOR'S FAX		
8	REVISOR'S E-MAIL		
9	REVISOR'S SIGNATURE		
10	REVISOR'S DATE		

DESIGNED BY: MN	DATE: 9/4/98
CHECKED BY: LFK	DATE: 9/19/98
SCALE: N.T.S.	NO. JOB NO.: 52622
SHEET NO.: 6 OF 7	DRAWING NO.: B-17867

WATSON BLAUMANN INC.	100 PINEBROOK AVENUE, N.Y. 11750 TEL: (716) 681-7800 FAX: (716) 681-8220
A DIVISION OF	HARRIS SPECIALTY CHEMICALS, INC.
PROJECT:	I-440/I-65 DIRECTIONAL INTERCHANGE BRIDGE NO. 19-1440-4.82 V.B.A. STRIP SEAL MODULAR STM-600 EXP. JT.

LV	PART NO.	QTY	UM	DESCRIPTION	MATERIAL	REV.
0	STM52622PS	1.000	PK	PARTS FOR SHIPPING		
1	2720	2.000	GA	ADH PRIMA - LL B		
1	1020	2.000	EA	INSTALLATION TOOL STRIP SEAL		
1	4293	24.000	EA	MOD LEVELING ROD (1/2 INCHES)		
1	8084	24.000	EA	NUT 1/4" X 1/4" ZP		
1	5304	32.000	EA	BOLT 1/4" X 2 1/2" ZP	A-325, FULLY THREADED	
1	8021	32.000	EA	NUT 1/4"	A-325	
1	7602	38.000	EA	WASHER 1/4"		
1	4324	2.000	EA	PRESS STRESS DEVICE D600-900		
1	8117	64.000	EA	NUT 1/4" X 1/4" ZP		

LV	PART NO.	QTY	UM	DESCRIPTION	MATERIAL	REV.
0	STM52622AR	1.000	EA	ANCHOR ROD		
1	7155	1.670	FT	THD ROD 1/2" LAG STUD RICHMOND		

LV	PART NO.	QTY	UM	DESCRIPTION	MATERIAL	REV.
0	STM52622PW	1.000	EA	PLATE WASHER (2BI)		
1	5913	0.330	FT	FLAT BAR 3/8" X 3 1/2"		

LV	PART NO.	QTY	UM	DESCRIPTION	MATERIAL	REV.
0	STM52622CA	1.000	EA	CLIP ANGLE (2A1)		
1	4080	0.750	FT	ANGLE 6" X 4" X 1/2"		

LV	PART NO.	QTY	UM	DESCRIPTION	MATERIAL	REV.
0	STM52622SI	1.000	EA	SEAL FOR SHIPPING (1BI)		
1	093	44.000	FT	STRIP SEAL SE-390		

LV	PART NO.	QTY	UM	DESCRIPTION	MATERIAL	REV.
0	STM52622EB	1.000	EA	EDGE BEAM 1'-0" SECTION (1E4 & 1E5)		
1	1954	1.000	FT	SS M FM 2 3/4" X 3 1/4" C-11869		
1	STM52622A09	1.000	EA	ANCHOR STRAP (1B1)		
2	5909	1.020	FT	FLAT BAR 3/8" X 2"		
1	STM52622A10	1.000	EA	ANCHOR STRAP (1B2)		
2	5909	1.040	FT	FLAT BAR 3/8" X 2"		

LV	PART NO.	QTY	UM	DESCRIPTION	MATERIAL	REV.
0	STM52622SP	1.000	EA	MOD SPLICE PLATE ASSEMBLY (2PS, 6)		
1	3610	41.000	LB	3/4" PLATE		

LV	PART NO.	QTY	UM	DESCRIPTION	MATERIAL	REV.
0	SL152622AA	1.000	EA	SLIDER PLATE ASSEMBLY, STRUCT 166 N. CURB		
1	3560	415.000	LB	PLATE 1/2" A36		
1	4680	16.000	EA	CONC. ANC. STUD 3/4" X 3 7/8"		
1	6305	3.750	FT	BITUMINOUS FIBERBOARD 1/2" X 6"		

LV	PART NO.	QTY	UM	DESCRIPTION	MATERIAL	REV.
0	SL152622AB	1.000	EA	SLIDER PLATE ASSEMBLY, STRUCT 166 S. CURB		
1	3560	415.000	LB	PLATE 1/2" A36		
1	4680	16.000	EA	CONC. ANC. STUD 3/4" X 3 7/8"		
1	6305	3.750	FT	BITUMINOUS FIBERBOARD 1/2" X 6"		

LV	PART NO.	QTY	UM	DESCRIPTION	MATERIAL	REV.
0	SL152622AC	1.000	EA	SLIDER PLATE ASSEMBLY, STRUCT 167 N. CURB		
1	3560	415.000	LB	PLATE 1/2" A36		
1	4680	16.000	EA	CONC. ANC. STUD 3/4" X 3 7/8"		
1	6305	3.750	FT	BITUMINOUS FIBERBOARD 1/2" X 6"		

LV	PART NO.	QTY	UM	DESCRIPTION	MATERIAL	REV.
0	SL152622AD	1.000	EA	SLIDER PLATE ASSEMBLY, STRUCT 167 S. CURB		
1	3560	415.000	LB	PLATE 1/2" A36		
1	4680	16.000	EA	CONC. ANC. STUD 3/4" X 3 7/8"		
1	6305	3.750	FT	BITUMINOUS FIBERBOARD 1/2" X 6"		

LV	PART NO.	QTY	UM	DESCRIPTION	MATERIAL	REV.
0	STM52622AA	1.000	EA	STM-600; ABUT 1 & 2, STRUCT 166 & 167; 44.0 FT		
1	4282	16.000	EA	HOLDING PLATE C-16724		
1	STM52622A01	1.000	EA	EXTRUSION ASSEMBLY		
2	STM52622A02	1.000	EA	PROFILES		
3	1954	90.000	FT	SS M FM 2 3/4" X 3 1/4" C-11869		
3	1887	45.000	FT	MOD CB FM SS E 5" C-13824		
2	STM52622BX	16.000	EA	STM-600 SUPPORT BOX B-17867		
2	STM52622BR	8.000	EA	STM-600 SUPPORT BAR B-17867		
2	STM52622A03	1.000	PK	PARTS FOR ASSEMBLY		
3	4260	16.000	EA	MOD BEARING (UPPER) C-306		
3	4270	16.000	EA	MOD CONTROL BEARING (LOWER) C-307		
3	4321	16.000	EA	MOD CONTROL SPRING BUFFER		
3	4320	16.000	EA	MOD CONTROL SPRING DOWEL 8"		
3	5304	32.000	EA	BOLT 3/4" X 2 1/2" ZP		
3	8021	32.000	EA	NUT 3/4" ZP		
3	5190	20.000	EA	BOLT 5/8" X 2" ZP		
3	7981	20.000	EA	NUT 5/8" ZP		
3	7549	20.000	EA	WASHER 5/8" GALVANIZED		
3	8084	12.000	EA	NUT 3/4" LAG ZP		
3	3468	2.000	EA	PNT RUSTOLEUM #2117 GALV SPRAY		
3	3471	1.000	EA	PNT #1301 CRYSTAL CLEAR 13 OZ.		
2	4278	32.000	EA	MOD STIFFENER PLT C-16714 (X)		
2	STM52622A04	20.000	EA	SHIPPING CLAMP (4B1)		
3	5930	0.920	FT	FLAT BAR 3/8" X 3"		
3	STM52622A05	4.000	EA	LIFTING ANGLE (4A1)		
3	4130	0.920	FT	ANGLE 7" X 4" X 1/2"		
3	STM52622A06	2.000	EA	TIE DOWN PLATE (2P1)		
3	3570	20.000	LB	PLATE 1/2"		
2	STM52622A07	2.000	EA	TIE DOWN PLATE (2P2)		
3	3570	11.000	LB	PLATE 1/2"		
2	STM52622A08	4.000	EA	TIE DOWN PLATE (2P3 & 2P4)		
3	3550	20.000	LB	PLATE 3/8"		
2	STM52622A09	64.000	EA	ANCHOR STRAP (1B1)		
3	5909	1.020	FT	FLAT BAR 3/8" X 2"		
2	STM52622A10	68.000	EA	ANCHOR STRAP (1B2)		
3	5909	1.040	FT	FLAT BAR 3/8" X 2"		
2	STM52622A11	1.000	PK	PAINT FOR SUBCONTRACTOR		
3	NTS5262201	0.000	EA	INORGANIC ZINC SILICATE PRIMER		

STATE: TENNESSEE
 COUNTIES: DAVIDSON
 STATE PROJECT NO: 19947-4110-04
 STRUCTURE NO: 166 & 167
 V.B.A. PRODUCT NO: STM52622AA

REVISED COATINGS	MN	8/22	9/23/98
REVISED BILL OF MATERIALS	MN	8/22	9/23/98
REVISIONS			
PROJECT I-440/I-65 DIRECTIONAL INTERCHANGE BRIDGE NO. 19-1440-4.82		W.B.A. STRIP SEAL MODULAR STM-600 EXP. JT.	
DATE	BY	DATE	BY
7 OF 7		B-17867	