

- CONTRACTOR'S NOTES:**
- 1) SHEAR CONNECTIONS HAVE TO BE INSTALLED AFTER PANELS ARE ERECTED.
  - 2) SHEAR CONNECTIONS HAVE TO BE INSTALLED IN A SINGLE ROW. THE SPECIFIED QUANTITY WILL BE ACHIEVED BY REDUCING THE SPACING.
  - 3) GENERAL CONTRACTOR IS RESPONSIBLE FOR THE CONNECTING OF THE CONDUIT FOR LIGHTING TO THE UNDERSIDE OF THE DECK SLABS.

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

REV 6 1507

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

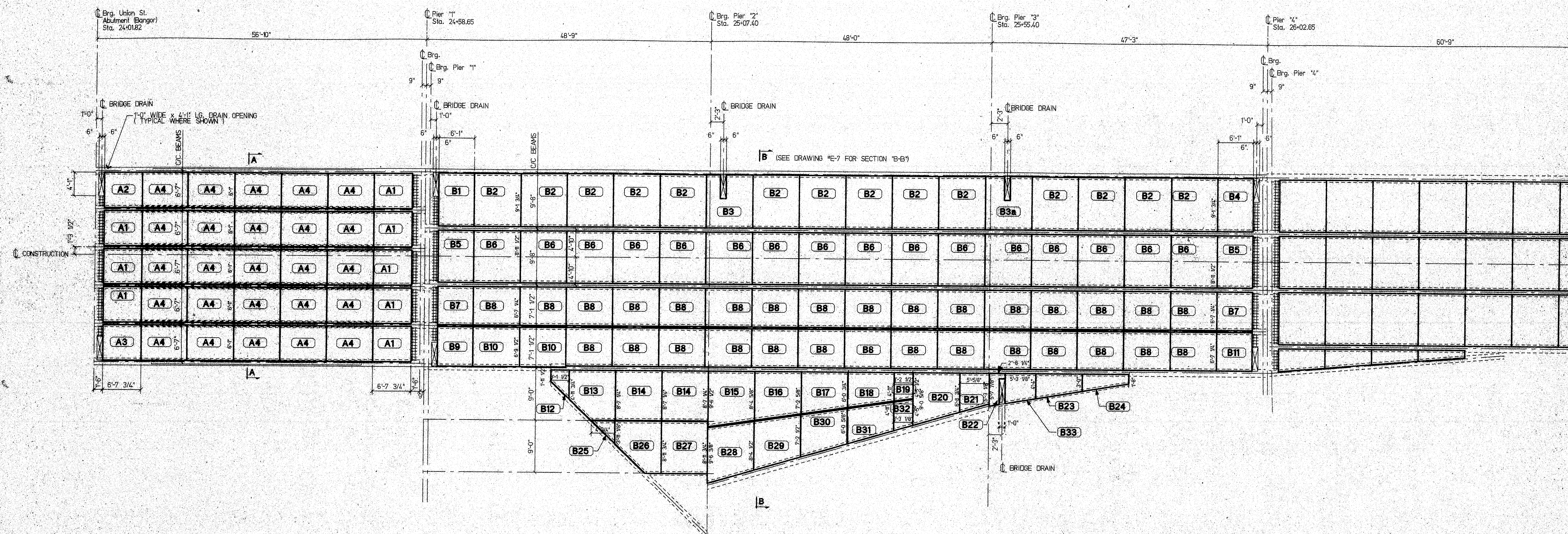
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105 OF STANDARD SPECIFICATIONS

NAME TITLE

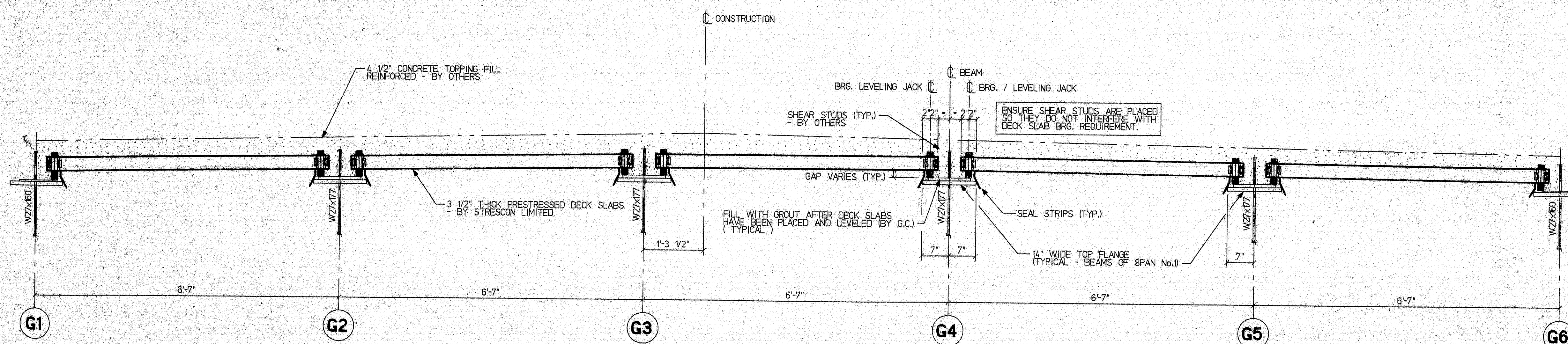
120-320

ENGINEER'S STAMP		CUSTOMER		STRESCON LIMITED		STRESCON LIMITED	
		REED & REED, INC.		SAINT JOHN, N.B.		BEDFORD, N.S.	
		WOOLWICH, MAINE					
		ARCHITECT OF RECORD		PROJECT		JOSHUA CHAMBERLAIN BRIDGE	
		Dept. of Transportation, Maine				over PENOBSCOT RIVER	
		TITLED		DATABASE/CONV. FILE		CONTRACT NUMBER	
		KEY PLAN AND TYPICAL DETAILS		jrmisc./pshour.cb		5760	
						DRAWING NO.	
						E-0	





PARTIAL DECK SLAB LAYOUT



TYPICAL CROSS SECTION "A-A"

STATE OF MAINE DEPARTMENT OF TRANSPORTATION CONSTRUCTION DIVISION	
<input checked="" type="checkbox"/> NO EXCEPTIONS TAKEN	<input type="checkbox"/> EXCEPTIONS NOTED
AUG 6 1997	
<input checked="" type="checkbox"/> RETURNED FOR CORRECTIONS	<input type="checkbox"/> REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105 OF STANDARD SPECIFICATIONS.	
NAME	TITLE

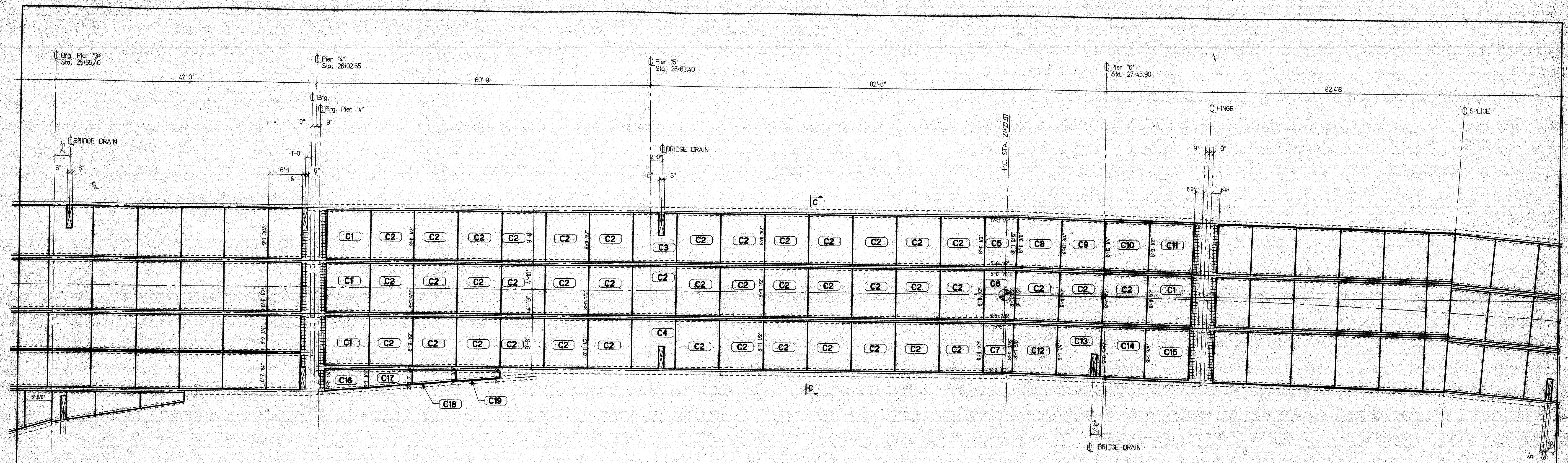
DRAWING NOTES:

1. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A197.
2. PRESTRESSING STRANDS SHALL BE 3/8" dia., 270 ksi, SEVEN WIRE, LOW RELAXATION STRANDS CONFORMING TO ASTM A416. INITIAL TENSION SHALL BE 17.2 kips PER STRAND.
3. CONCRETE DECK SLABS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5000 psi AND A MINIMUM RELEASE STRENGTH OF 4000 psi.
4. PLEASE CONFIRM ALL DRAIN OPENING SIZES AND LOCATIONS.
5. 4" DECK SLAB BRG. TYPICAL WHERE POSSIBLE WHEN LAYING DECK TOPS OF SLABS GOVERN AT 4" BRG. (NOTE: BRG. CONDITION VARIES AT SOME LOCATIONS BY 1/2").
6. ALL PRECAST DECK SLABS ARE 7'-11 1/2" C/C JOINTS (UNO.).

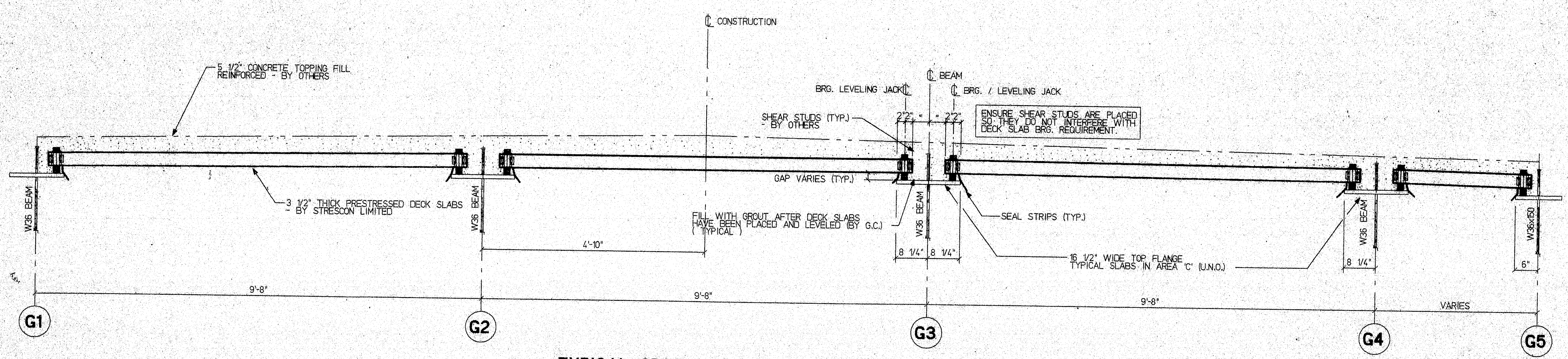
120-321

ENGINEER'S STAMP		CUSTOMER: <b>REED &amp; REED, INC.</b> WOOLWICH, MAINE		<b>STRESCON LIMITED</b> SAINT JOHN, N.B. BEDFORD, N.S.		
PROJECT: JOSHUA CHAMBERLAIN BRIDGE over PENOBSCOT RIVER		ARCHITECT OR CONS. ENGINEER: Dept. of Transportation, Maine		TITLE: TYPES "A" & "B" SLAB LAYOUT		
NO. 1		DATE: 07/08/97		BY: L.R.V. GREG		CONTRACT NUMBER: 5760
REVISION:		DATE:		BY:		DRAWING NO.: E-1





PARTIAL DECK SLAB LAYOUT



TYPICAL CROSS SECTION "C-C"

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

AUG 6 1997

☐ RETURNED FOR CORRECTIONS ☐ REJECTED  
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105  
OF STANDARD SPECIFICATIONS

NAME: *[Signature]* TITLE: *[Signature]*

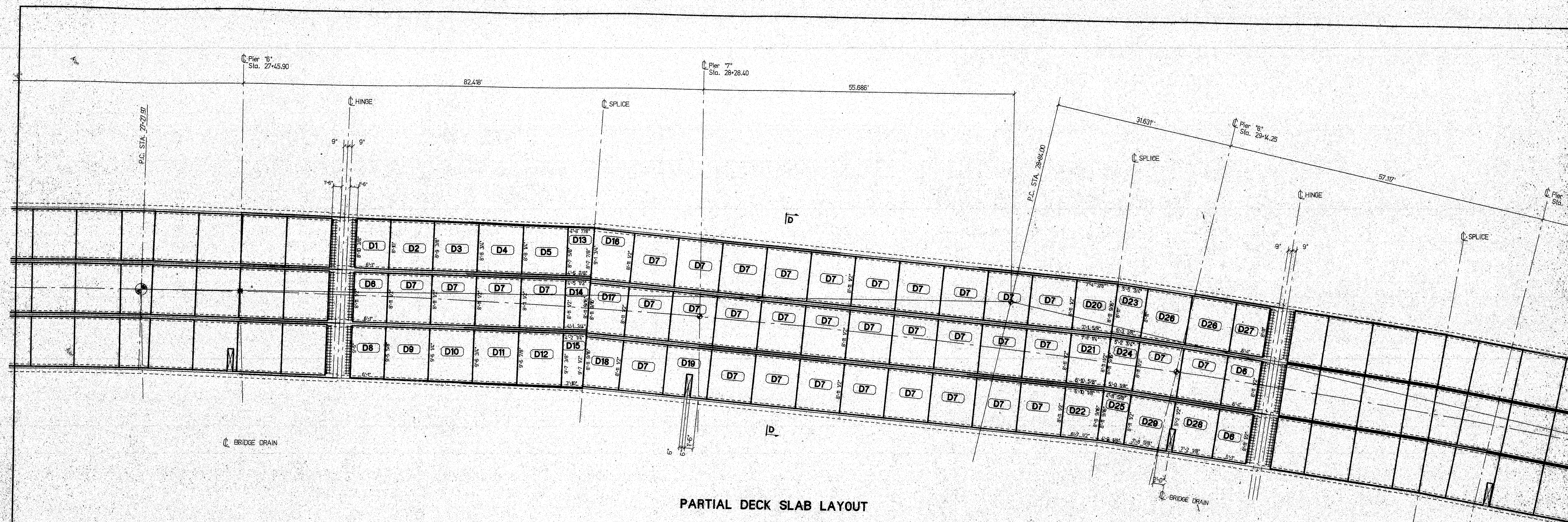
DRAWING NOTES:

1. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A697.
2. PRESTRESSING STRANDS SHALL BE 3/8" dia., 270 ksi, SEVEN WIRE, LOW RELAXATION STRANDS CONFORMING TO ASTM A421. INITIAL TENSION SHALL BE 17.2 kips PER STRAND.
3. CONCRETE DECK SLABS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5000 psi AND A MINIMUM RELEASE STRENGTH OF 4000 psi.
4. PLEASE CONFIRM ALL DRAIN OPENING SIZES AND LOCATIONS.
5. 4" DECK SLAB BRG. TYPICAL WHERE POSSIBLE WHEN LAYING DECK TOPS OF SLABS GOVERN AT 4" BRG. (NOTE: BRG. CONDITION VARIES AT SOME LOCATIONS BY 1/2")
6. ALL PRECAST DECK SLABS ARE 7'-11 1/2" C/C JOINTS (UNO.)

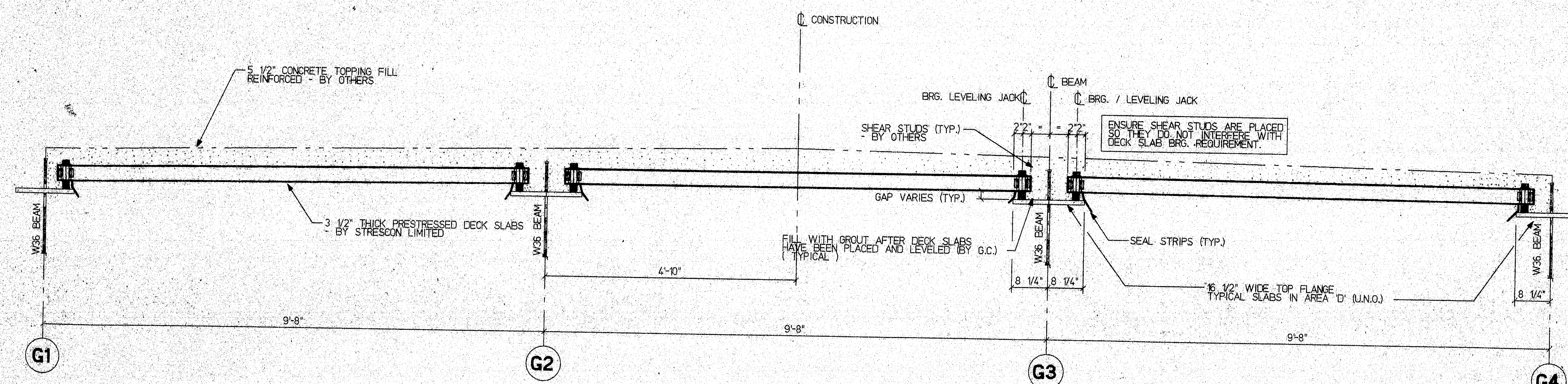
120-322

ENGINEER'S STAMP		CUSTOMER		STRESCON LIMITED	
		REED & REED, INC.		SAINT JOHN, N.B.	
		WOOLWICH, MAINE		BEDFORD, N.S.	
		ARCHITECT OR CONSULTING ENGINEER		PROJECT	
		Dept. of Transportation, Maine		JOSHUA CHAMBERLAIN BRIDGE over PENOBSCOT RIVER	
NO. 1		DATE		TITLE	
1		07/08/97		TYPE "C" SLAB LAYOUT	
0		05/23/97		DRAWING FILE	
		BY: GREG		misc./jshua2.dwg	
		CHKD:		CONTRACT NUMBER	
				5760	
				DRAWING NO.	
				E-2	





PARTIAL DECK SLAB LAYOUT



TYPICAL CROSS SECTION "D-D"

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

AUG 6 1997

☒ RETURNED FOR CORRECTIONS ☐ REJECTED  
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105  
OF STANDARD SPECIFICATIONS

NAME: *Strescon* TITLE: *RE*

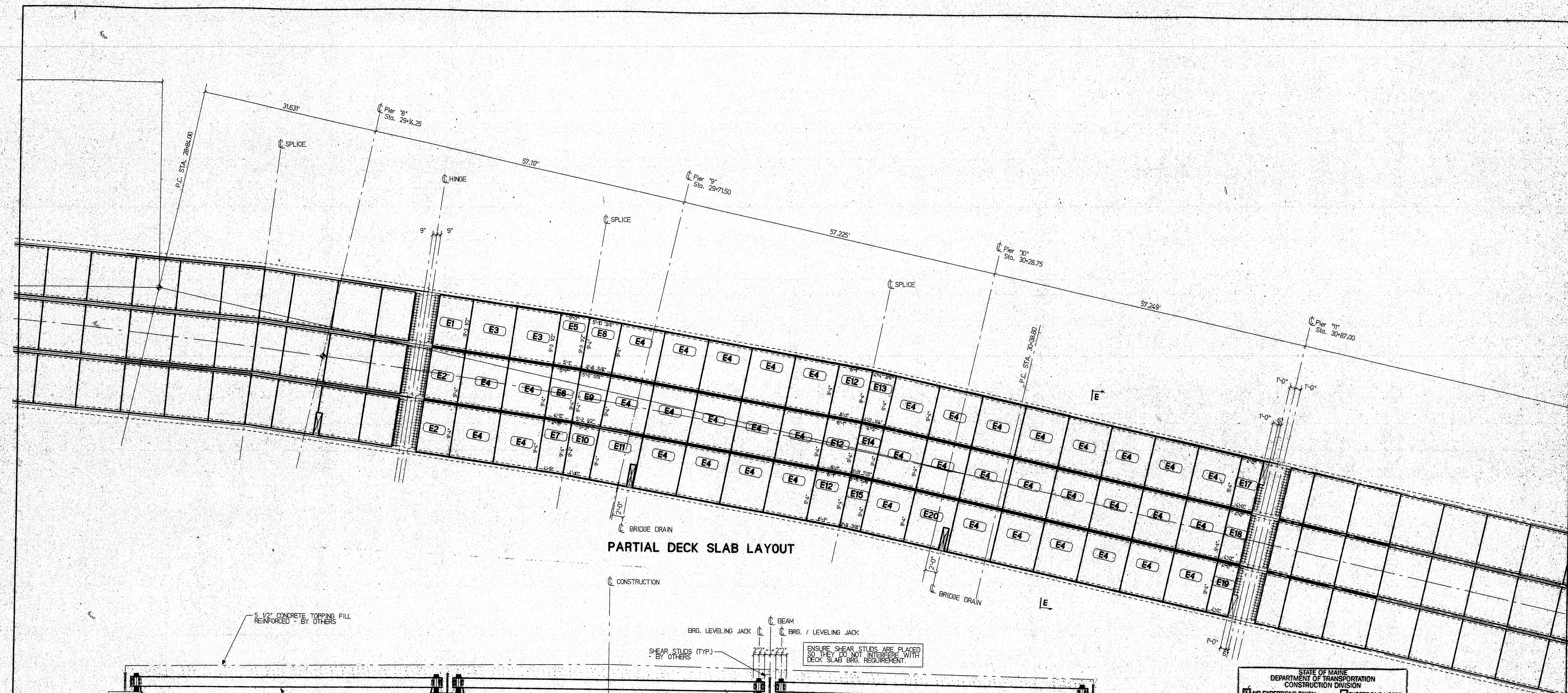
DRAWING NOTES:

1. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A497.
2. PRESTRESSING STRANDS SHALL BE 3/8" DIA., 270 KSI, SEVEN WIRE, LOW RELAXATION STRANDS CONFORMING TO ASTM A416. INITIAL TENSION SHALL BE 17.2 KIPS PER STRAND.
3. CONCRETE DECK SLABS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5000 PSI AND A MINIMUM RELEASE STRENGTH OF 4000 PSI.
4. PLEASE CONFIRM ALL DRAIN OPENING SIZES AND LOCATIONS.
5. 4" DECK SLAB BRG. TYPICAL WHERE POSSIBLE. WHEN LAYING DECK TOPS OF SLABS GOVERN AT 4" BRG. (NOTE: BRG. CONDITION VARIES AT SOME LOCATIONS BY 1/2")
6. ALL PRECAST DECK SLABS ARE 7'-11 1/2" C/C JOINTS (UNO.)

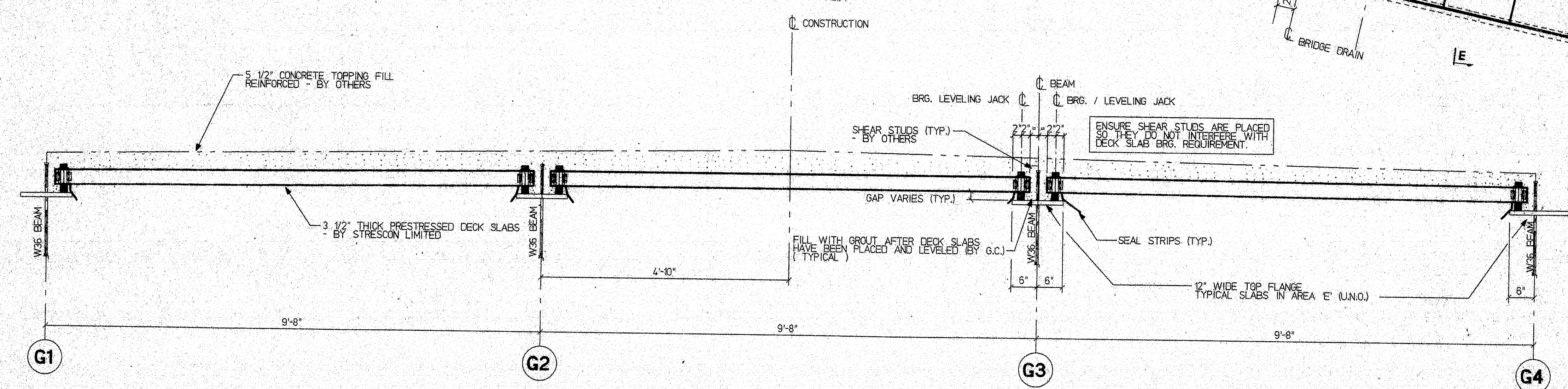
120-323

ENGINEER'S STAMP		CUSTOMER		STRESCON LIMITED		STRESCON LIMITED	
		REED & REED, INC. WOOLWICH, MAINE		SAINT JOHN, N.B. BEDFORD, N.S.		SAINT JOHN, N.B. BEDFORD, N.S.	
ARCHITECT OR CONSULTING ENGINEER		PROJECT		JOSHUA CHAMBERLAIN BRIDGE over PENOBSCOT RIVER		PROJECT	
DEPT. of Transportation, Maine		TITLE		TYPE "D" SLAB LAYOUT		CONTRACT NUMBER	
NO. 1		DATE		DATE		5760	
BY		BY		DATE		DRAWING NO.	
CHKD		CHKD		DATE		E-3	





PARTIAL DECK SLAB LAYOUT



TYPICAL CROSS SECTION "E-E"

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

AUG 6 1997

☐ RETURNED FOR CORRECTIONS ☐ REJECTED  
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 305  
OF STANDARD SPECIFICATIONS

NAME: *Samuel F. E.* TITLE: *FE*

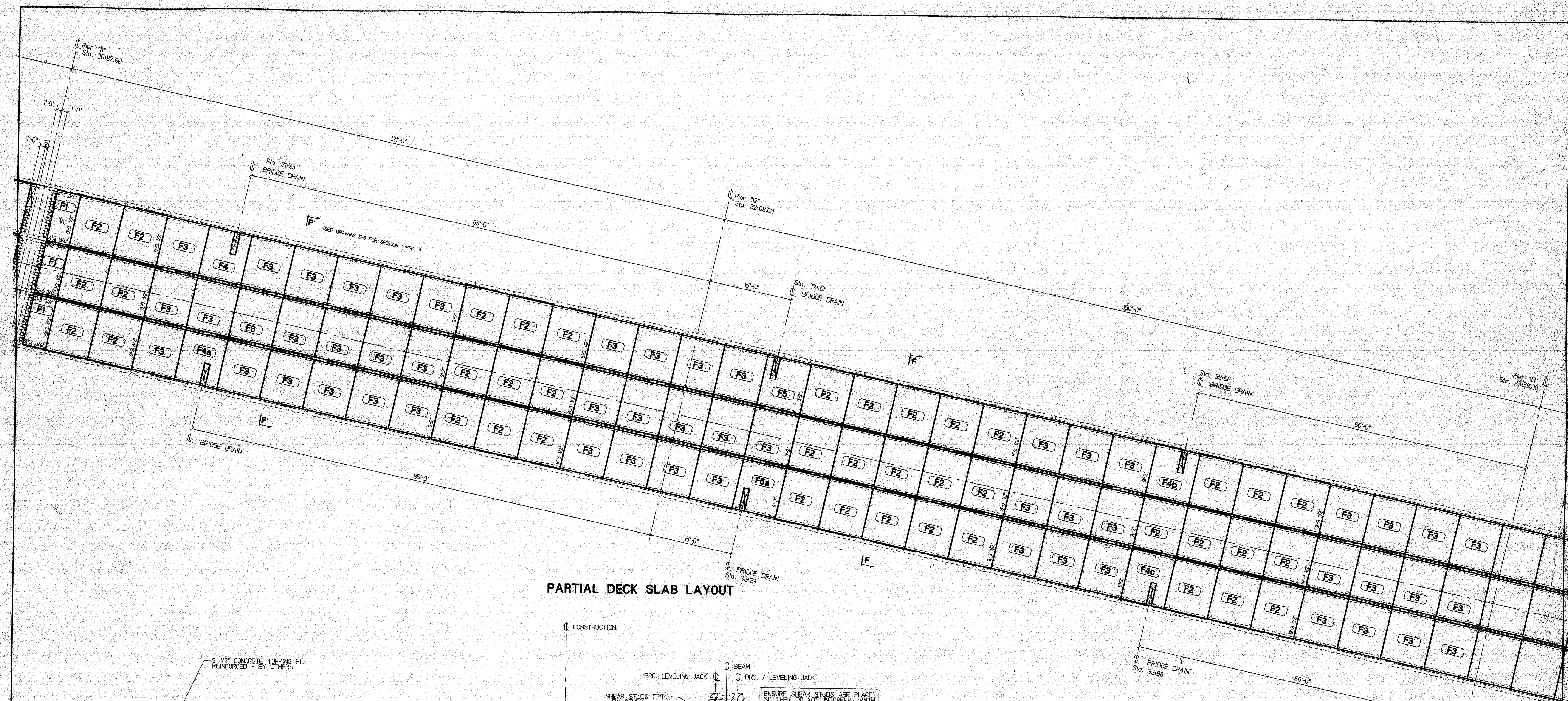
DRAWING NOTES:

1. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A497.
2. PRESTRESSING STRANDS SHALL BE 3/8" dia., 270 ksi, SEVEN WIRE, LOW RELAXATION STRANDS CONFORMING TO ASTM A416. INITIAL TENSION SHALL BE 17.2 kips PER STRAND.
3. CONCRETE DECK SLABS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5000 psi AND A MINIMUM RELEASE STRENGTH OF 4000 psi.
4. PLEASE CONFIRM ALL DRAIN OPENING SIZES AND LOCATIONS.
5. 4" DECK SLAB BRG. TYPICAL WHERE POSSIBLE.  
WHEN LAYING DECK TOPS OF SLABS GOVERN AT 4" BRG.  
(NOTE: BRG. CONDITION VARIES AT SOME LOCATIONS BY 1/2")
6. ALL PRECAST DECK SLABS ARE 7'-11 1/2" C/C JOINTS (U.N.O.)

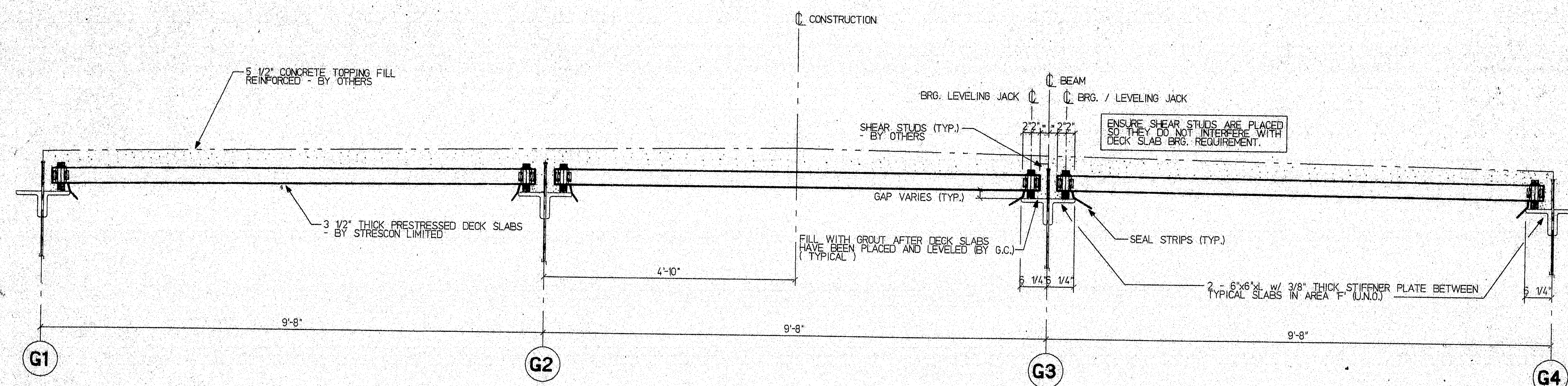
120-324

ENGINEER'S STAMP		CUSTOMER		STRESCON LIMITED		STRESCON LIMITED	
		REED & REED, INC.		SAINT JOHN, N.B.		BEDFORD, N.S.	
		WOOLWICH, MAINE		PROJECT		JOSHUA CHAMBERLAIN BRIDGE	
		ARCHITECT OR CONSULTING ENGINEER		TITLE		TYPE "E" SLAB LAYOUT	
1 FINAL RECORD DRAWING 07/09/97 L.R.V. GREG		Dept. of Transportation, Maine		DRAWING NO.		5760	
0 ISSUED FOR APPROVAL 05/23/97 GREG				CONTRACT NUMBER		E-4	
REVISION		DATE		BY		CHKD	





PARTIAL DECK SLAB LAYOUT



TYPICAL CROSS SECTION "F-F"

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

AUG 6 1997

☒ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105 OF STANDARD SPECIFICATIONS

NAME: *[Signature]* TITLE: *FE*

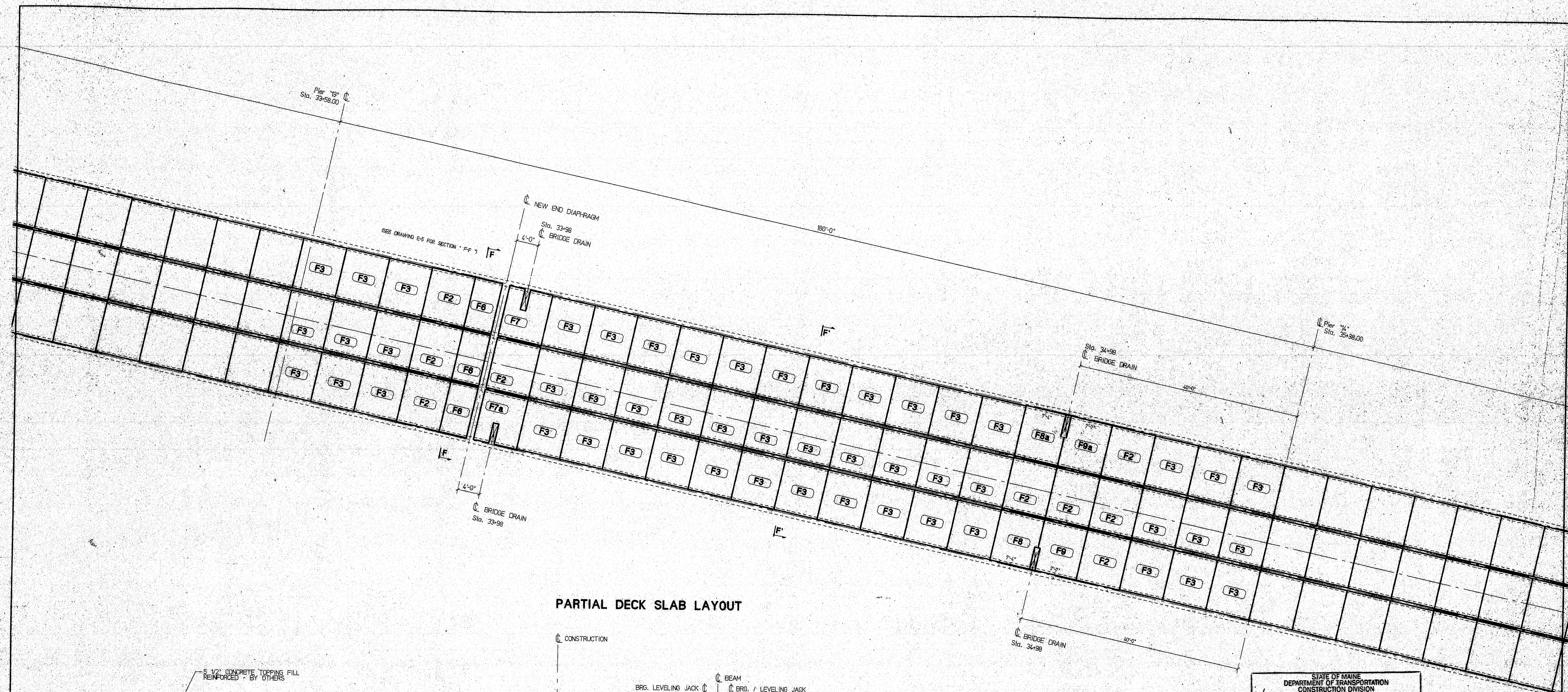
DRAWING NOTES:

- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A497.
- PRESTRESSING STRANDS SHALL BE 3/8" dia., 270 ksi, SEVEN WIRE, LOW RELAXATION STRANDS CONFORMING TO ASTM A486. INITIAL TENSION SHALL BE 17.2 kips PER STRAND.
- CONCRETE DECK SLABS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5000 psi AND A MINIMUM RELEASE STRENGTH OF 4000 psi.
- PLEASE CONFIRM ALL DRAIN OPENING SIZES AND LOCATIONS.
- 4" DECK SLAB BRG. TYPICAL WHERE POSSIBLE WHEN LAYING DECK TOPS OF SLABS GOVERN AT 4" BRG. (NOTE: BRG. CONDITION VARIES AT SOME LOCATIONS BY 1/2")
- ALL PRECAST DECK SLABS ARE 7'-11 1/2" C/C JOINTS (U.N.D.)

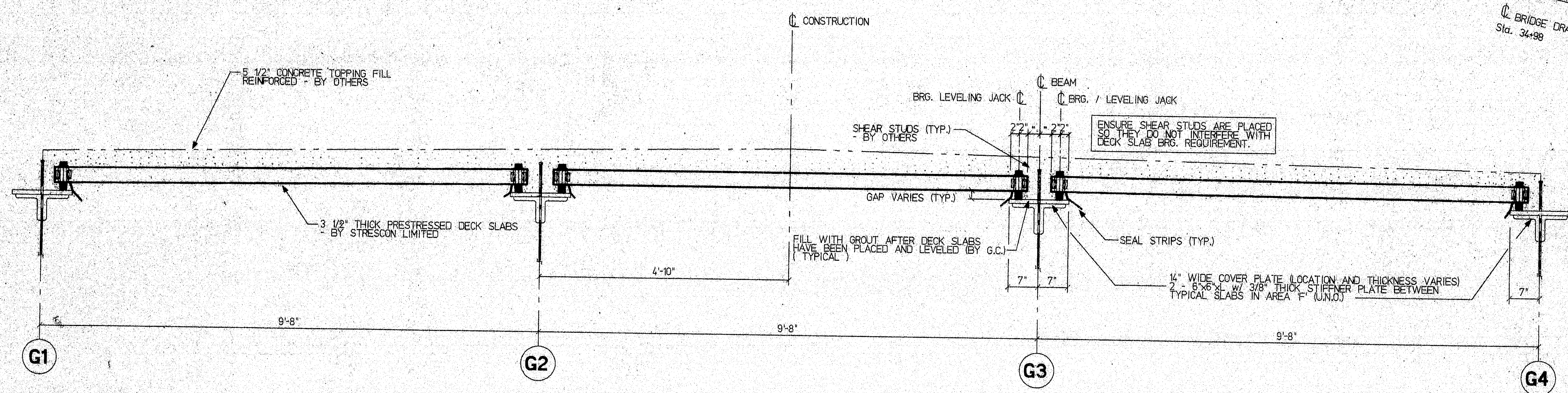
120-325

ENGINEER'S STAMP		CUSTOMER		STRESCON LIMITED	
		REED & REED, INC. WOOLWICH, MAINE		SAINT JOHN, N.B. BEDFORD, N.S.	
		ARCHITECT OR CONSULTING ENGINEER		PROJECT	
		Dept. of Transportation, Maine		JOSHUA CHAMBERLAIN BRIDGE over PENOBSCOT RIVER	
1 FINAL RECORD DRAWING 07/08/97 L.R.V. GREG		TITLE		PART	
0 ISSUED FOR APPROVAL 05/23/97 GREG		TYPE "F" SLAB LAYOUT (1 OF 3)		DATA/ARCH/FILE	
NO. 1 REVISION DATE BY D.K.D.				CONTRACT NUMBER	
				5760	
				DRAWING NO.	
				E-5	
				BY	
				[Signature]	





PARTIAL DECK SLAB LAYOUT



TYPICAL CROSS SECTION " F-F "

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☐ EXCEPTIONS NOTED

AUG 6 1997

☐ RETURNED FOR CORRECTIONS ☐ REJECTED

DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105 OF STANDARD SPECIFICATIONS

NAME: *[Signature]* TITLE: *[Signature]*

DRAWING NOTES:

1. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A497.
2. PRESTRESSING STRANDS SHALL BE 3/8" dia., 270 ksi, SEVEN WIRE, LOW RELAXATION STRANDS CONFORMING TO ASTM A456. INITIAL TENSION SHALL BE 10.2 kips PER STRAND.
3. CONCRETE DECK SLABS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5000 psi AND A MINIMUM RELEASE STRENGTH OF 4000 psi.
4. PLEASE CONFIRM ALL DRAIN OPENING SIZES AND LOCATIONS.
5. 4" DECK SLAB BRG. TYPICAL WHERE POSSIBLE. WHEN LAYING DECK, TOPS OF SLABS GOVERN AT 4" BRG. (NOTE: BRG. CONDITION VARIES AT SOME LOCATIONS BY 1/2")
6. ALL PRECAST DECK SLABS ARE 7'-11 1/2" C/C JOINTS ( UNCL. )

120-326

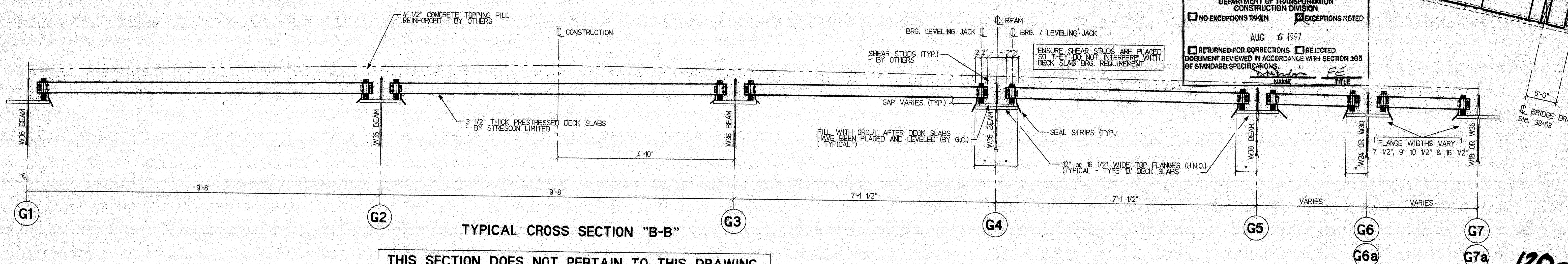
ENGINEER'S STAMP		CUSTOMER		STRESCON LIMITED		STRESCON LIMITED
REED & REED, INC. WOOLWICH, MAINE ARCHITECT OF RECORD-ENGINEER Dept. of Transportation, Maine		SAINT JOHN, N.B. BEDFORD, N.S. PROJECT: JOSHUA CHAMBERLAIN BRIDGE over PENOBSCOT RIVER TITLE: TYPE "F" SLAB LAYOUT (2 OF 3) PART: CONTRACT NUMBER: 5760 PROJECT: Joshua2.dwg		BEDFORD, N.S. DRAWING NO.: E-6 REV:		



# DRAWING NOTES:

1. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A697.
2. PRESTRESSING STRANDS SHALL BE 3/8" dia., 270 ksi, SEVEN WIRE LOW RELAXATION STRANDS CONFORMING TO ASTM A455. INITIAL TENSION SHALL BE 17.2 kips PER STRAND.
3. CONCRETE DECK SLABS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5000 psi AND A MINIMUM RELEASE STRENGTH OF 4000 psi.
4. PLEASE CONFIRM ALL DRAIN OPENING SIZES AND LOCATIONS.
5. 4" DECK SLAB BRG. TYPICAL WHERE POSSIBLE. WHEN LAYING DECK TOPS OF SLABS GOVERN AT 4" BRG. (NOTE: BRG. CONDITION VARIES AT SOME LOCATIONS BY 1/2")
6. ALL PRECAST DECK SLABS ARE 7'-11 1/2" C/C JOINTS (UNO.)

## PARTIAL DECK SLAB LAYOUT



THIS SECTION DOES NOT PERTAIN TO THIS DRAWING  
REFER BACK TO DRAWING No. E-1

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION DIVISION

☒ NO EXCEPTIONS TAKEN ☒ EXCEPTIONS NOTED

AUG 6 1997

☒ RETURNED FOR CORRECTIONS ☐ REJECTED

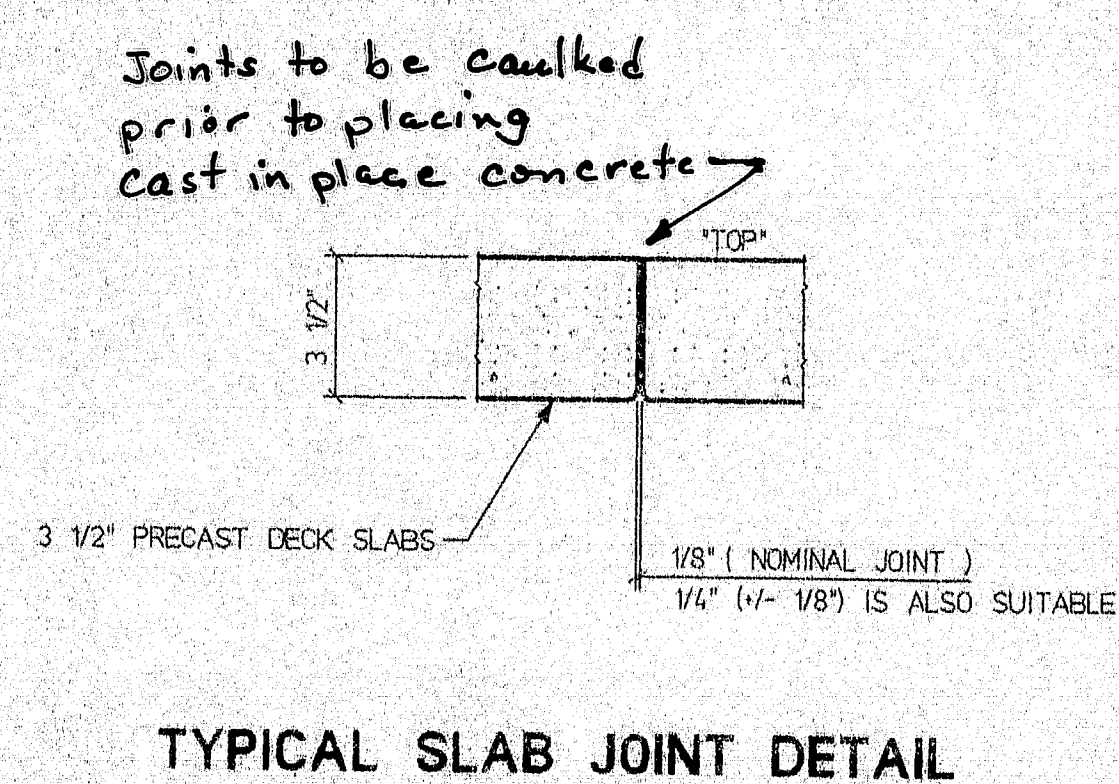
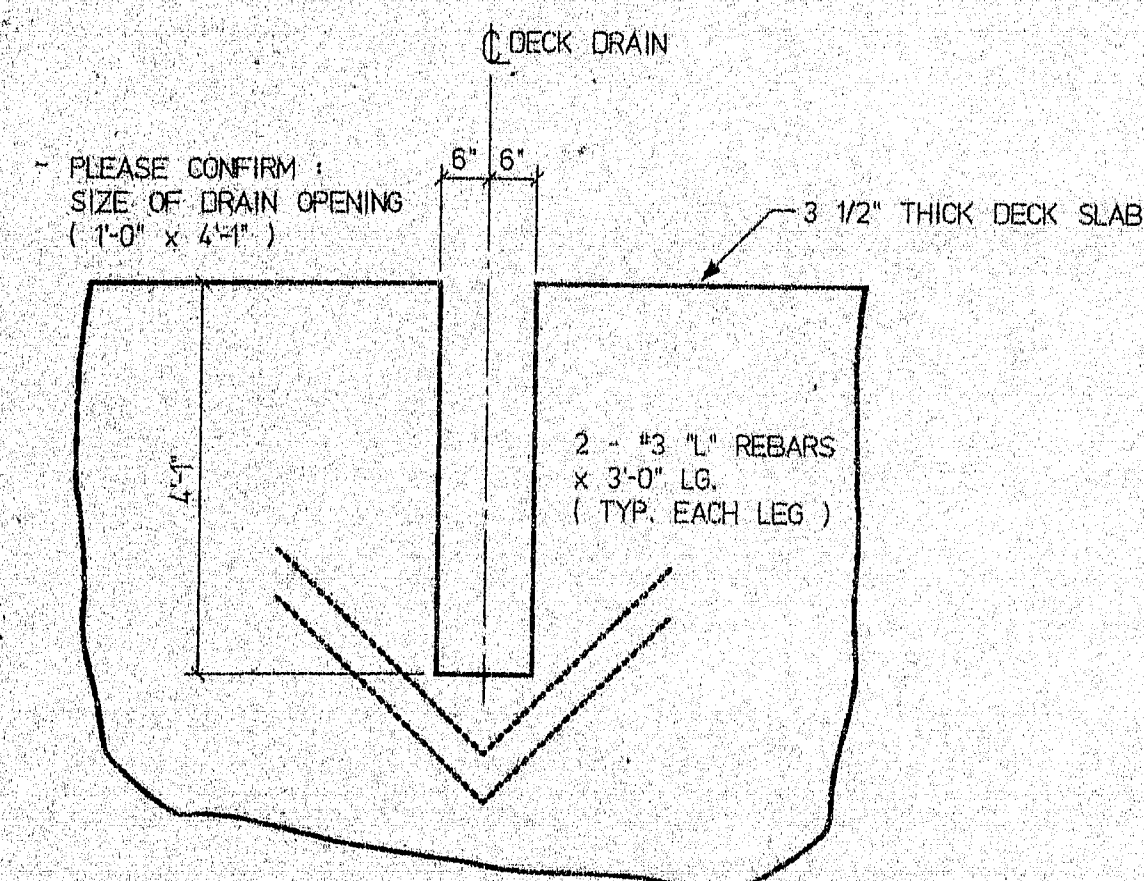
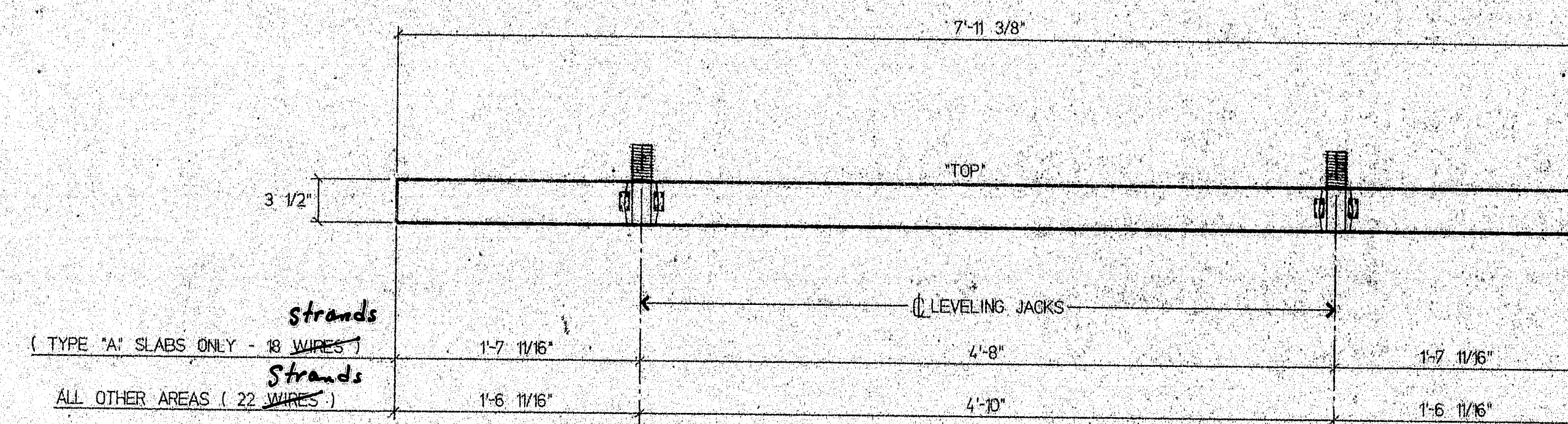
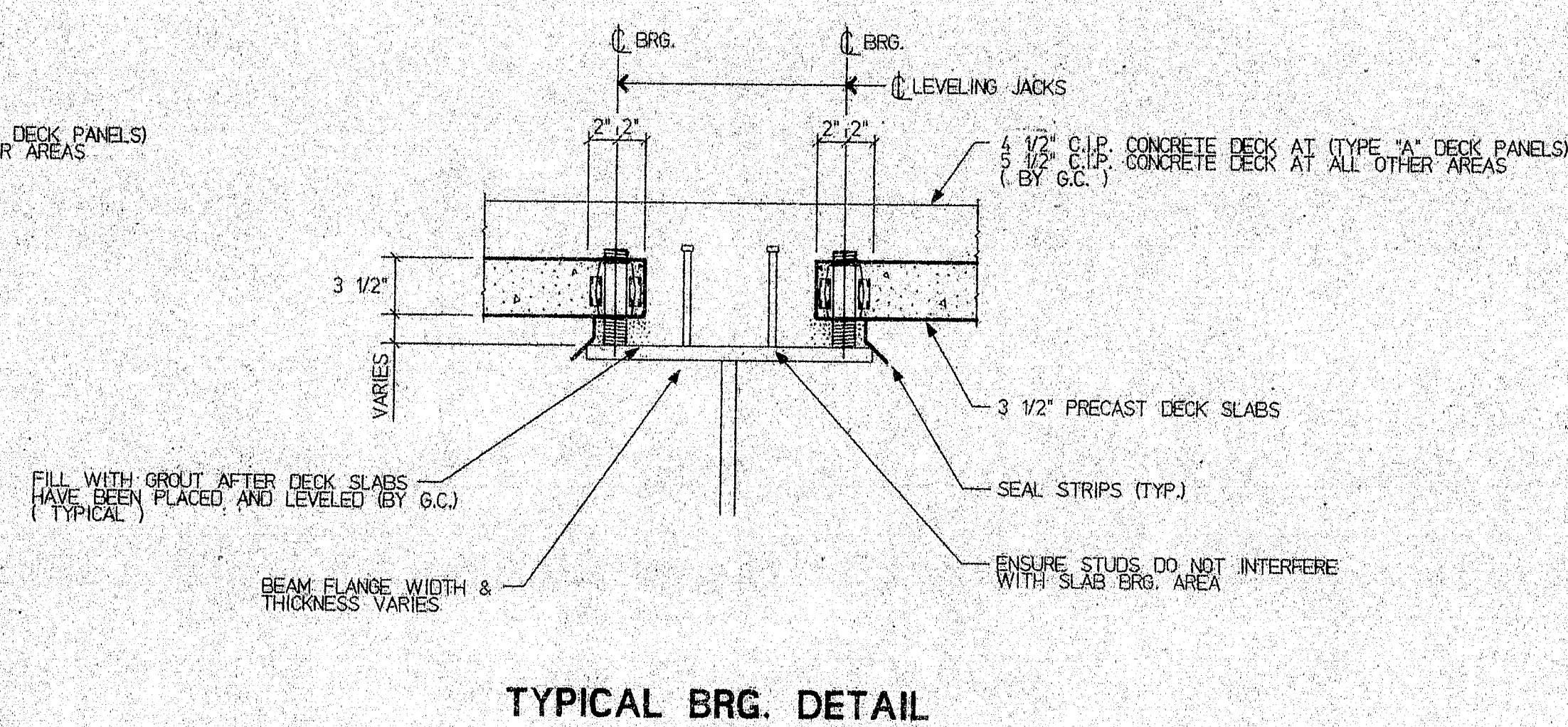
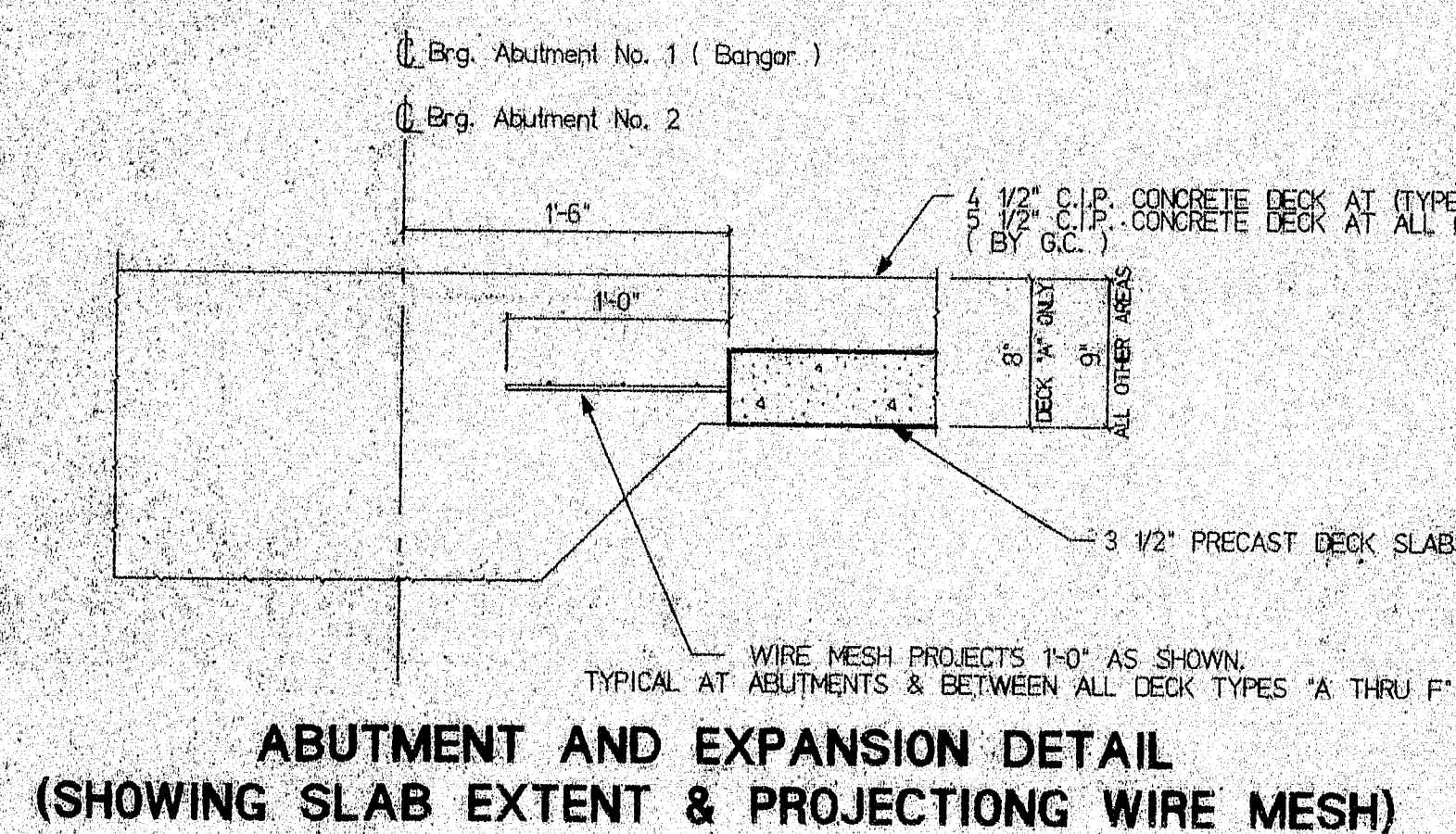
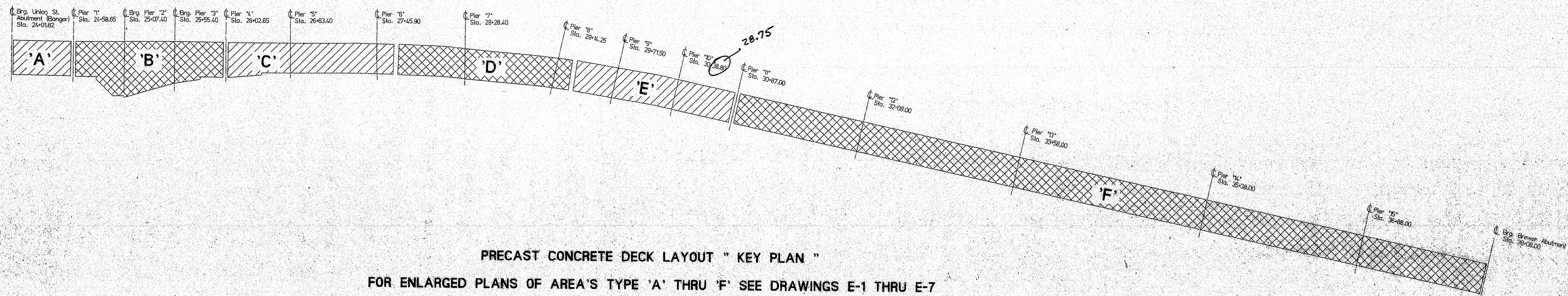
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105 OF STANDARD SPECIFICATIONS.

NAME \_\_\_\_\_ TITLE \_\_\_\_\_

ENGINEER'S STAMP REED & REED, INC. WOOLWICH, MAINE ARCHITECT OR C.O.E. ENGINEER Dept. of Transportation, Maine	CUSTOMER <b>STRESCON LIMITED</b> SAINT JOHN, N.B. BEDFORD, N.S. PROJECT JOSHUA CHAMBERLAIN BRIDGE over PENOBSCOT RIVER	
	1 FINAL RECORD DRAWING 07/08/97 L.R.V. GRES 0 ISSUED FOR APPROVAL 05/23/97 GRES NO. 1 REVISION DATE BY DND	
	TYPE "F" SLAB LAYOUT (3 OF 3) CONTRACT NUMBER <b>5760</b>	
	DRAWING NO. <b>E-7</b>	

120-327





Need to furnish stainless steel inserts for under bridge conduit and lighting?

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION DIVISION  
NO EXCEPTIONS TAKEN  
JUN 10 1997  
RETURNED FOR CORRECTIONS  
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105 OF STANDARD SPECIFICATIONS  
FE

- CONTRACTOR'S NOTES
- 1) SHEAR CONNECTORS HAVE TO BE INSTALLED AFTER PANELS ARE ERECTED.
  - 2) SHEAR CONNECTORS HAVE TO BE INSTALLED IN A SINGLE ROW. THE SPECIFIED QUANTITY WILL BE ACHIEVED BY REDUCING THE SPACING.
  - 3) DRAIN BLOCKOUTS IN SECTION F WERE OMITTED.

- DRAWING NOTES:
1. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A657.
  2. PRESTRESSING STRANDS SHALL BE 3/8" DIA., 270 KSI, SEVEN WIRE, LOW RELAXATION STRANDS CONFORMING TO ASTM A416. INITIAL TENSION SHALL BE 17.2 KIPS PER STRAND.
  3. CONCRETE DECK SLABS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5000 PSI AND A MINIMUM RELEASE STRENGTH OF 4000 PSI.
  4. PLEASE CONFIRM ALL DRAIN OPENING SIZES AND LOCATIONS.
  5. 4" DECK SLAB BRG. TYPICAL WHERE POSSIBLE WHEN LAYING DECK TOPS OF SLABS COVERED AT 4" BRG. (NOTE: BRG. CONDITION VARIES AT SOME LOCATIONS BY 1/2").
  6. ALL PRECAST DECK SLABS ARE 7'-11 3/8" C/C JOINTS (UNO.)

DESIGNER'S STAMP

REED & REED, INC.  
WOOLWICH, MAINE

STRESCON LIMITED  
SAINT JOHN, N.B.  
BEDFORD, N.S.

JOSHUA CHAMBERLAIN BRIDGE  
over PENOBSCOT RIVER

Dept. of Transportation, Maine

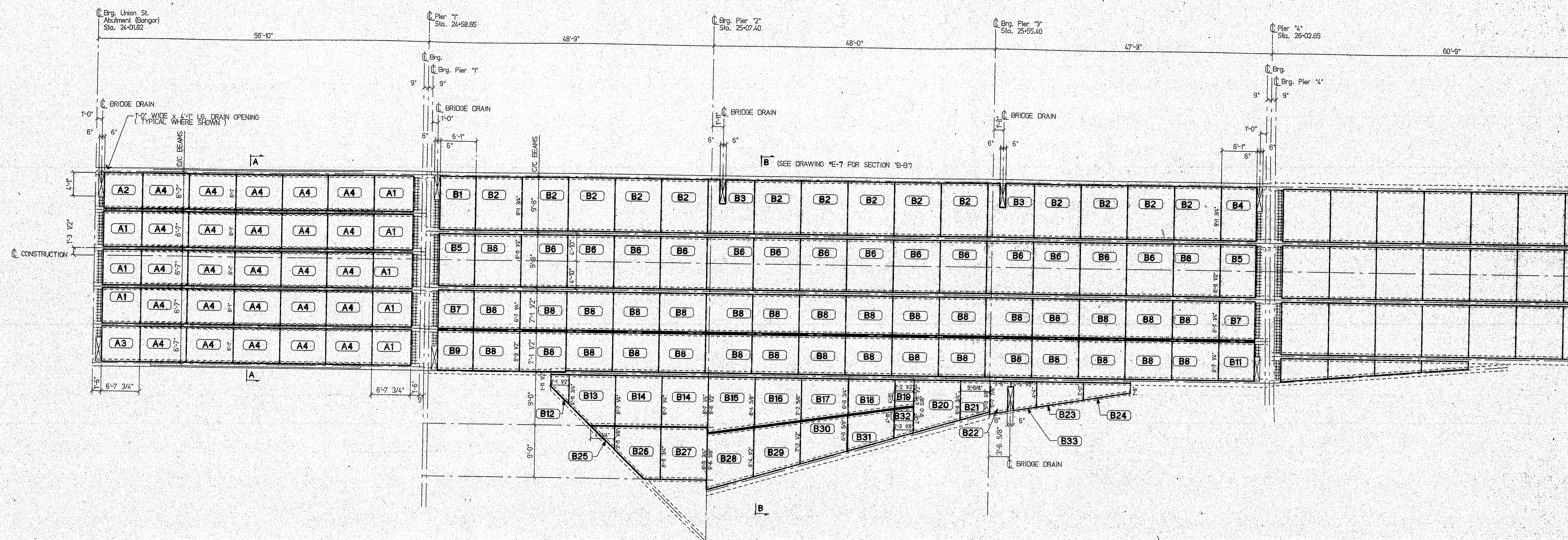
KEY PLAN AND TYPICAL DETAILS

5760

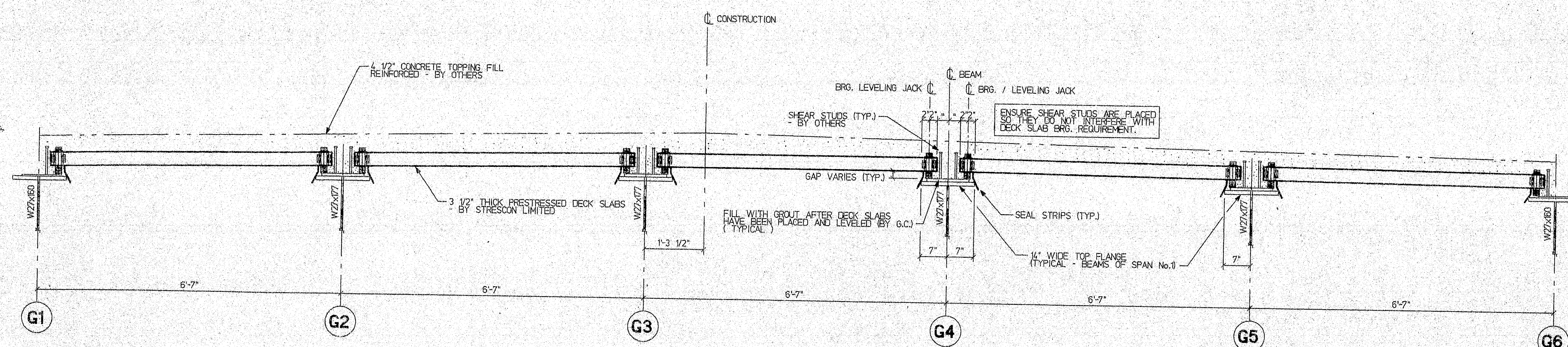
E-0

120-328





PARTIAL DECK SLAB LAYOUT



TYPICAL CROSS SECTION "A-A"

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION DIVISION

☐ NO EXCEPTIONS TAKEN ☒ EXCEPTIONS NOTED  
See det. E-0

JUN 10 1997

☐ RETURNED FOR CORRECTIONS ☒ REJECTED  
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105  
OF STANDARD SPECIFICATIONS

NAME FE TITLE

# DRAWING NOTES:

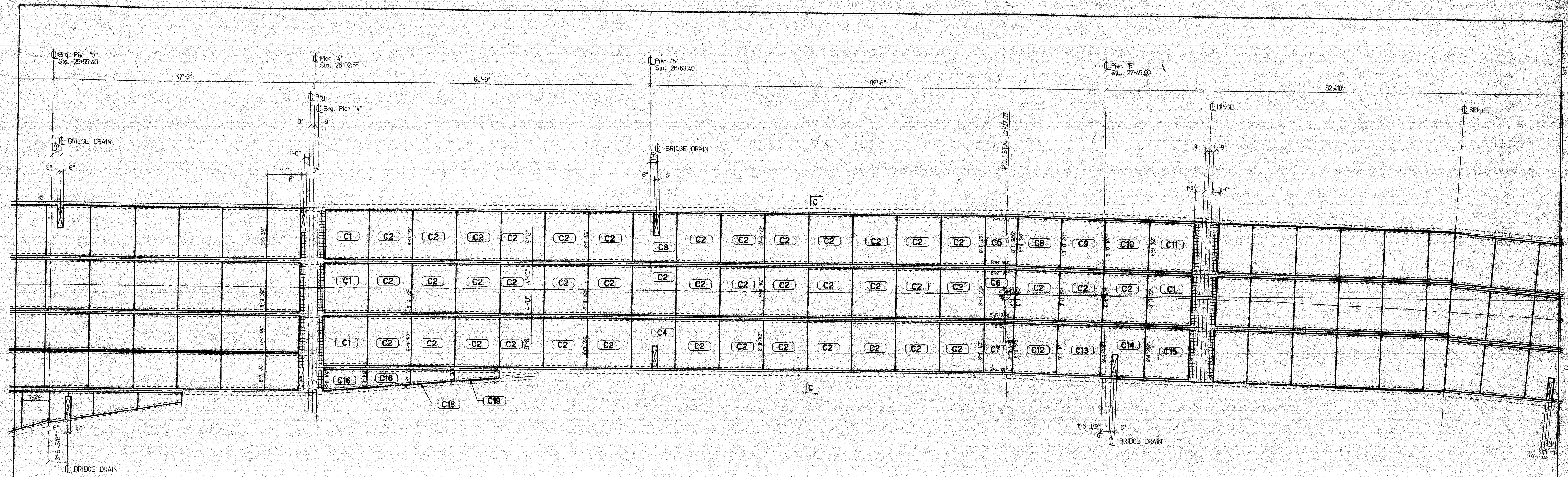
1. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A607.
2. PRESTRESSING STRANDS SHALL BE 3/8" dia., 270 ksi, SEVEN WIRE, LOW RELAXATION STRANDS CONFORMING TO ASTM A416. INITIAL TENSION SHALL BE 17.2 kips PER STRAND.
3. CONCRETE DECK SLABS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5000 psi AND A MINIMUM RELEASE STRENGTH OF 4000 psi.
4. PLEASE CONFIRM ALL DRAIN OPENING SIZES AND LOCATIONS.
5. 4" DECK SLAB BRG. TYPICAL WHERE POSSIBLE. WHEN LAYING DECK TOPS OF SLABS GOVERN AT 4" BRG. (NOTE: BRG. CONDITION VARIES AT SOME LOCATIONS BY 1/2")
6. ALL PRECAST DECK SLABS ARE 7'-11 1/2" C/C JOINTS (UNO.)

120-329

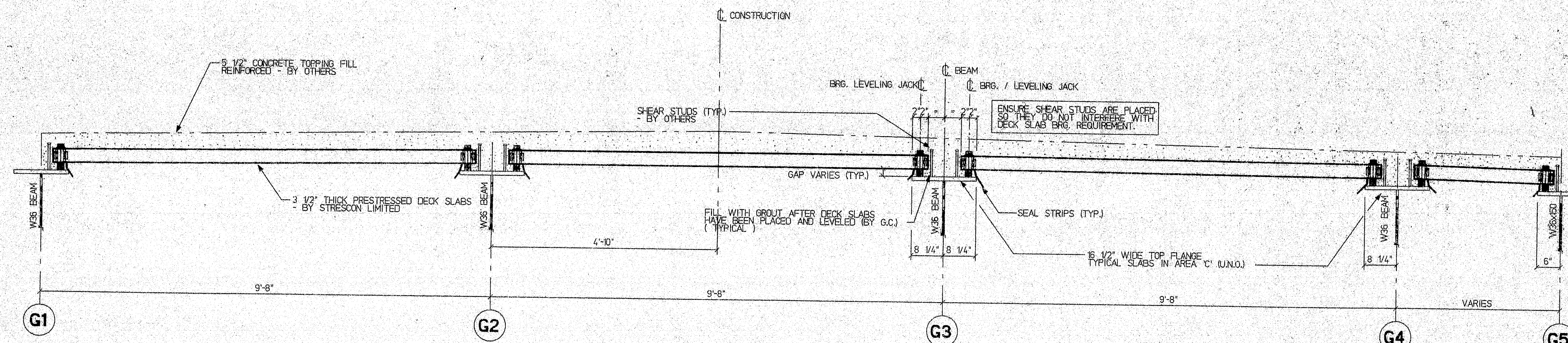
ENGINEER'S STAMP		CUSTOMER'S	
REED & REED, INC. WOOLWICH, MAINE ARCHITECT OR CONS. ENGINEER ISSUED FOR APPROVAL 05/23/97 SREG NO. 1 REVISION DATE DT 1 ORD		SAINT JOHN, N.B. BEDFORD, N.S. PROJECT JOSHUA CHAMBERLAIN BRIDGE over PENOBSCOT RIVER TITLE TYPES "A" & "B" SLAB LAYOUT DATA BASED ON FILE 1 CONTRACT NUMBER 5760 DRAWING NO. E-1	







PARTIAL DECK SLAB LAYOUT



TYPICAL CROSS SECTION "C-C"

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION DIVISION

☐ NO EXCEPTIONS TAKEN

☒ RESPECIFICATIONS NOTED  
See Log E-0

JUN 10 1997

☐ RETURNED FOR CORRECTIONS ☒ REJECTED  
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105  
OF STANDARD SPECIFICATIONS.

NAME: *[Signature]* TITLE: *[Signature]*

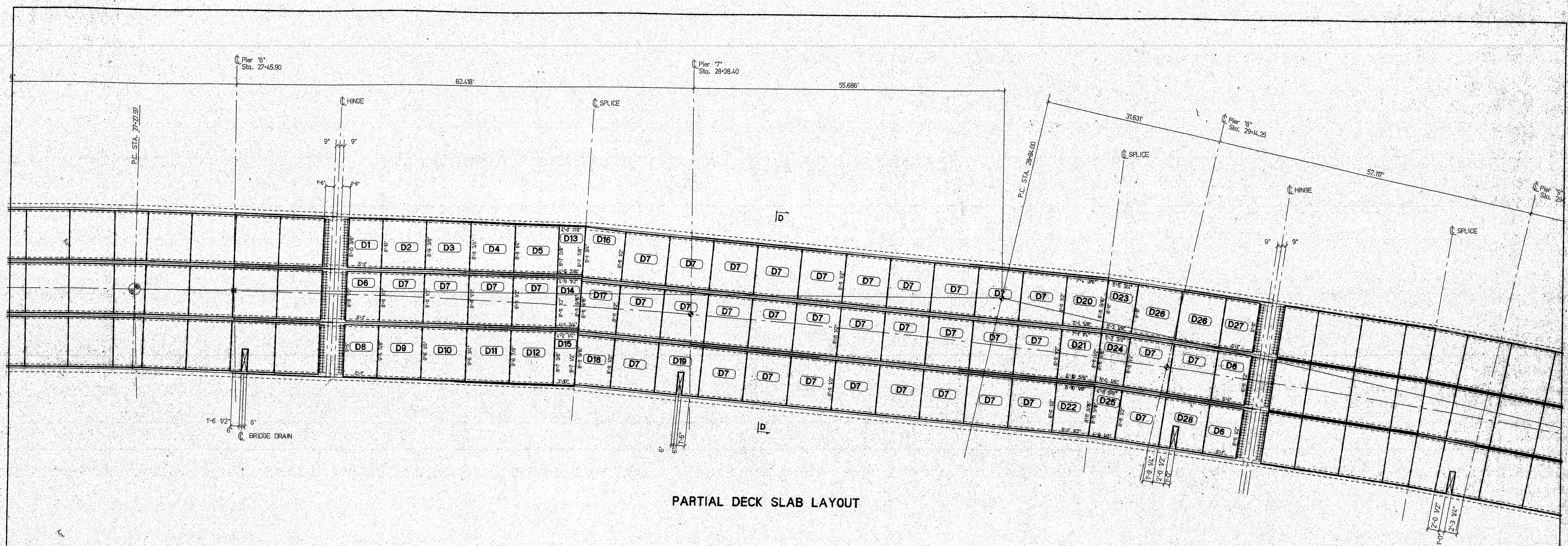
DRAWING NOTES:

1. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A637.
2. PRESTRESSING STRANDS SHALL BE 3/8" dia., 270 ksi, SEVEN WIRE, LOW RELAXATION, STRANDS CONFORMING TO ASTM A416. INITIAL TENSION SHALL BE 17.2 kips PER STRAND.
3. CONCRETE DECK SLABS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5000 psi AND A MINIMUM RELEASE STRENGTH OF 4000 psi.
4. PLEASE CONFIRM ALL DRAIN OPENING SIZES AND LOCATIONS.
5. 4" DECK SLAB BRG. TYPICAL WHERE POSSIBLE. WHEN LAYING DECK TOPS OF SLABS GOVERN AT 4" BRG. (NOTE: BRG. CONDITION VARIES AT SOME LOCATIONS BY 1/2").
6. ALL PRECAST DECK SLABS ARE 7'-11 1/2" C/C JOINTS (UNO.)

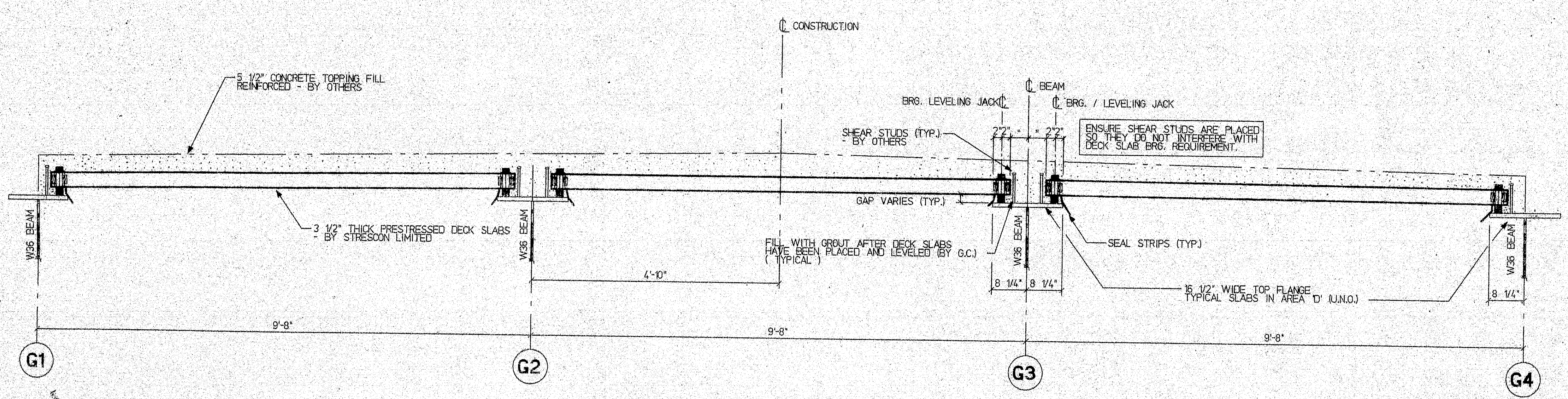
120-330

ENGINEER'S STAMP		CUSTOMER		STRESCON LIMITED		STRESCON LIMITED
		REED & REED, INC. WOOLWICH, MAINE		SAINT JOHN, N.B. BEDFORD, N.S.		
ARCHITECT OF RECORD		PROJECT		JOSHUA CHAMBERLAIN BRIDGE over PENOBSCOT RIVER		CONTRACT NUMBER 5760
ISSUED FOR APPROVAL		DATE		TYPE "C" SLAB LAYOUT		
REVISION		DATE		DRAWING NO. E-2		REV





PARTIAL DECK SLAB LAYOUT



TYPICAL CROSS SECTION "D-D"

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION DIVISION

☐ NO EXCEPTIONS TAKEN ☒ EXCEPTIONS NOTED  
JUN 10 1997  
RETURNED FOR CORRECTIONS ☐ REJECTED  
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 805  
OF STANDARD SPECIFICATIONS

NAME: *John D. ...* TITLE: *FE*

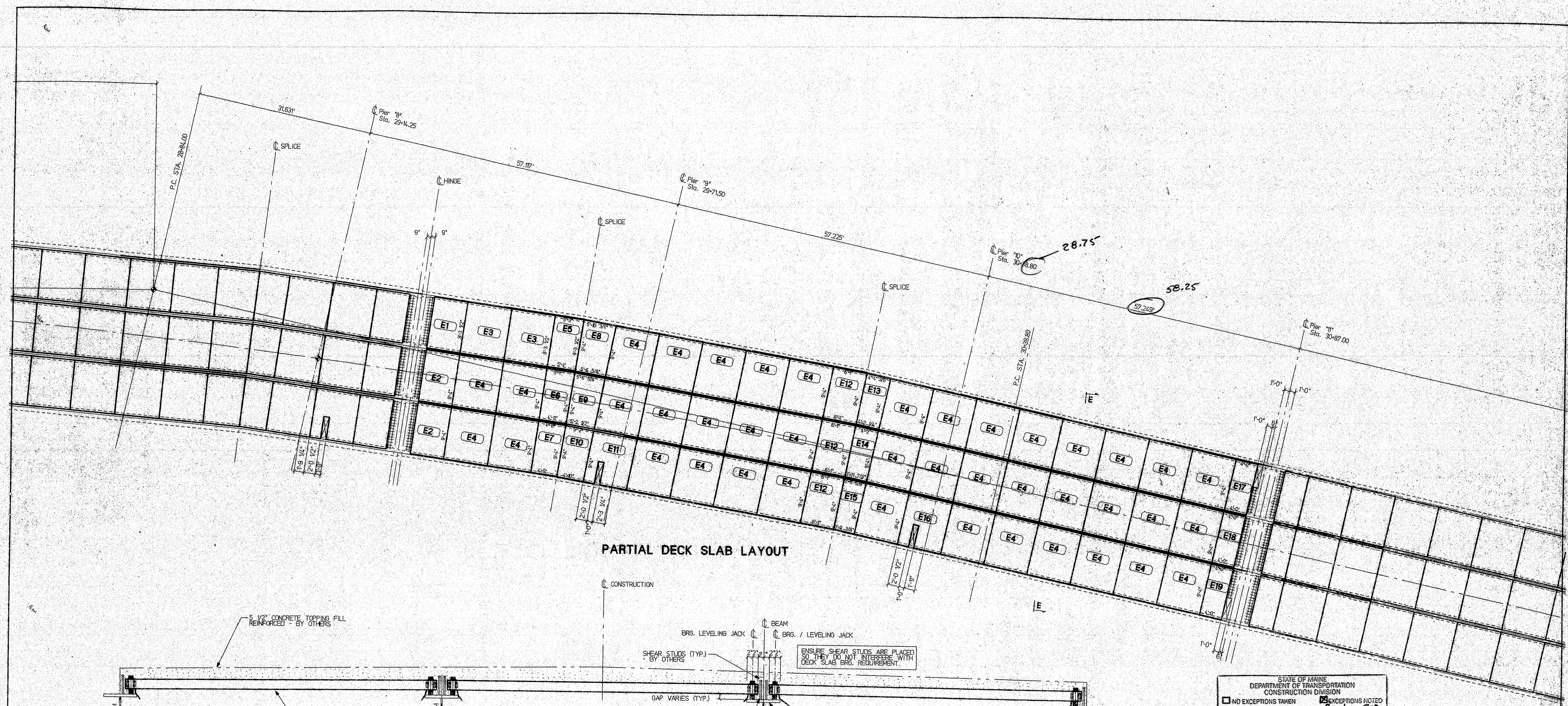
DRAWING NOTES:

1. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A437.
2. PRESTRESSING STRANDS SHALL BE 3/8" dia., 270 ksi, SEVEN WIRE, LOW RELAXATION STRANDS CONFORMING TO ASTM A416. INITIAL TENSION SHALL BE 17.2 kips PER STRAND.
3. CONCRETE DECK SLABS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5000 psi AND A MINIMUM RELEASE STRENGTH OF 4000 psi.
4. PLEASE CONFIRM ALL DRAIN, OPENING SIZES AND LOCATIONS.
5. 4" DECK SLAB EBG, TYPICAL WHERE POSSIBLE WHEN LAYING DECK TOPS OF SLABS GOVERN AT 4" EBG. (NOTE: EBG. CONDITION VARIES AT SOME LOCATIONS BY 1/2")
6. ALL PRECAST DECK SLABS ARE 7'-11 1/2" C/C JOINTS (UNCL.)

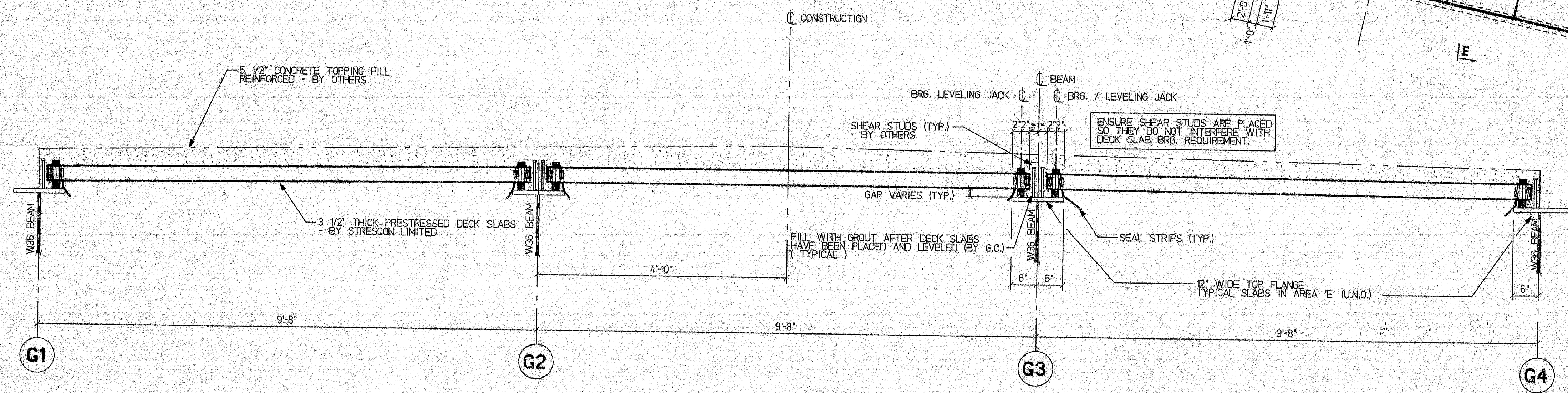
120-331

REED & REED, INC. WOOLWICH, MAINE DESIGNED BY: <i>[Signature]</i> DATE: 05/23/97 BY: <i>[Signature]</i> CHECKED: <i>[Signature]</i> DATE: 06/03/97 BY: <i>[Signature]</i> APPROVED: <i>[Signature]</i> DATE: 06/03/97 BY: <i>[Signature]</i>		CUSTOMER: REED & REED, INC. WOOLWICH, MAINE REQUESTED BY: <i>[Signature]</i> DATE: 05/23/97 PROJECT: <i>[Signature]</i> DATE: 06/03/97 BY: <i>[Signature]</i> CHECKED: <i>[Signature]</i> DATE: 06/03/97 BY: <i>[Signature]</i> APPROVED: <i>[Signature]</i> DATE: 06/03/97 BY: <i>[Signature]</i>		STRESCON LIMITED SAINT JOHN, N.B. BEDFORD, N.S. REQUESTED BY: <i>[Signature]</i> DATE: 05/23/97 PROJECT: <i>[Signature]</i> DATE: 06/03/97 BY: <i>[Signature]</i> CHECKED: <i>[Signature]</i> DATE: 06/03/97 BY: <i>[Signature]</i> APPROVED: <i>[Signature]</i> DATE: 06/03/97 BY: <i>[Signature]</i>		DEPT. OF TRANSPORTATION, MAINE REQUESTED BY: <i>[Signature]</i> DATE: 05/23/97 PROJECT: <i>[Signature]</i> DATE: 06/03/97 BY: <i>[Signature]</i> CHECKED: <i>[Signature]</i> DATE: 06/03/97 BY: <i>[Signature]</i> APPROVED: <i>[Signature]</i> DATE: 06/03/97 BY: <i>[Signature]</i>		TITLE: TYPE "D" SLAB LAYOUT DRAWING NO.: <i>[Signature]</i> DATE: 05/23/97 BY: <i>[Signature]</i> CHECKED: <i>[Signature]</i> DATE: 06/03/97 BY: <i>[Signature]</i> APPROVED: <i>[Signature]</i> DATE: 06/03/97 BY: <i>[Signature]</i>		CONTRACT NUMBER: 5760 DRAWING NO.: E-3 REV: <i>[Signature]</i>	
--	--	---	--	--	--	--	--	--	--	--	--





PARTIAL DECK SLAB LAYOUT



TYPICAL CROSS SECTION "E-E"

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION DIVISION

☐ NO EXCEPTIONS TAKEN ☒ EXCEPTIONS NOTED  
*See drawing E-4*

JUN 10 1997

☒ RETURNED FOR CORRECTIONS ☐ REJECTED  
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 205 OF STANDARD SPECIFICATIONS

NAME: *Strescon* TITLE: *FE*

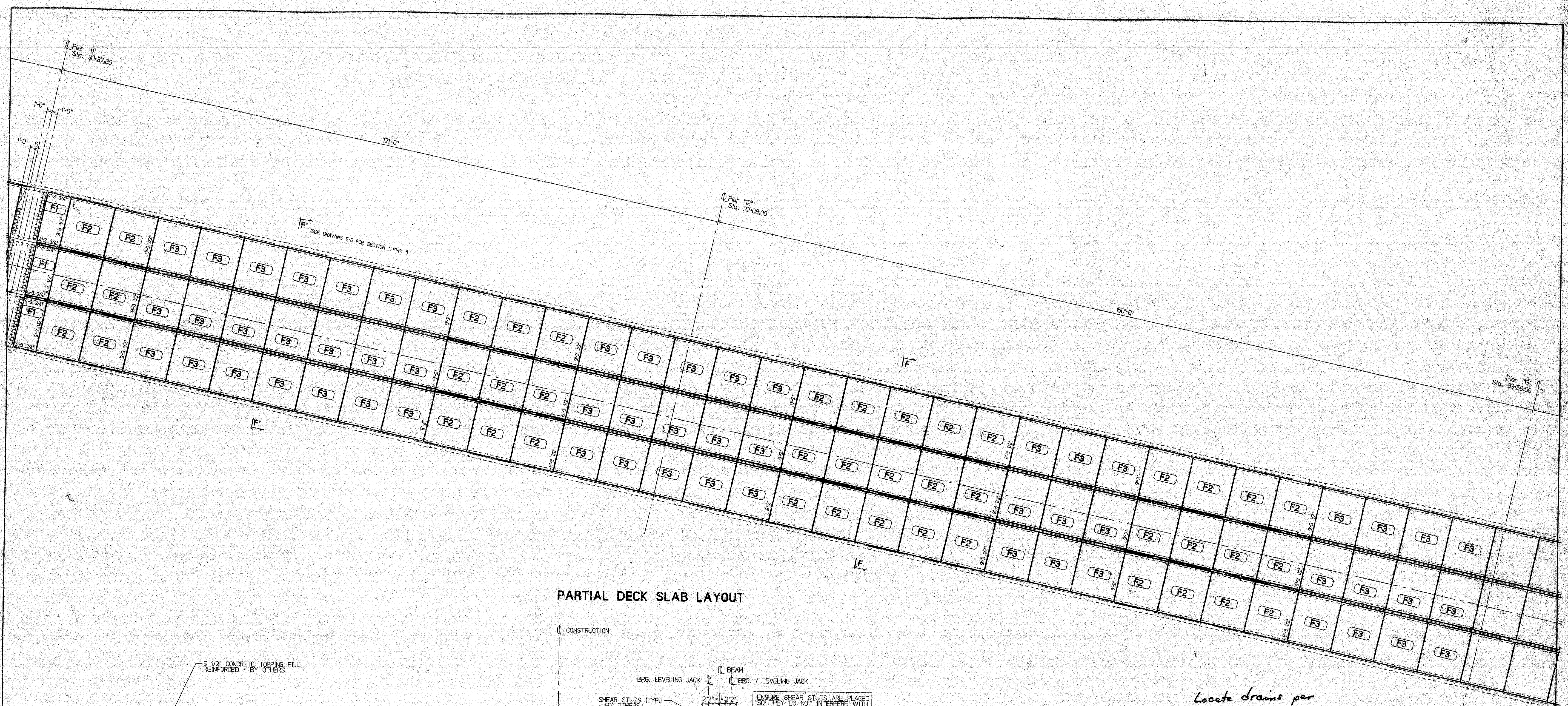
DRAWING NOTES:

1. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A497.
2. PRESTRESSING STRANDS SHALL BE 3/8" dia., 270 ksi, SEVEN WIRE, LOW RELAXATION STRANDS, CONFORMING TO ASTM A416. INITIAL TENSION SHALL BE 172 KIPS PER STRAND.
3. CONCRETE DECK SLABS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5000 PSI AND A MINIMUM RELEASE STRENGTH OF 4000 PSI.
4. PLEASE CONFIRM ALL DRAIN OPENING SIZES AND LOCATIONS.
5. 4" DECK SLAB BRG. TYPICAL WHERE POSSIBLE. WHEN LAYING DECK TOPS OF SLABS GOVERN AT 4" BRG. (NOTE: BRG. CONDITION VARIES AT SOME LOCATIONS BY 1/2")
6. ALL PRECAST DECK SLABS ARE 7'-11 1/2" O.C. JOINTS (UNO.)

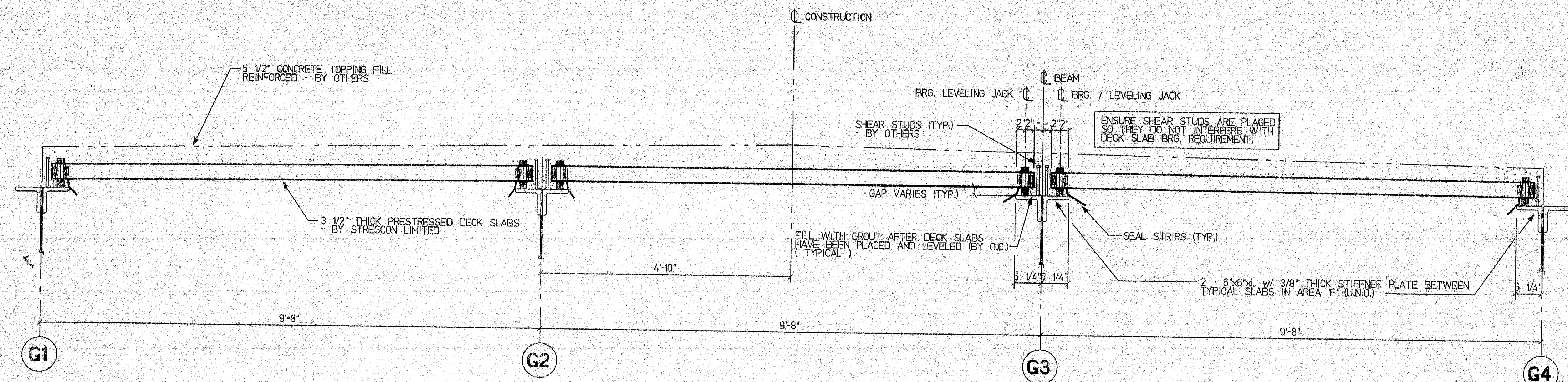
120-332

ENGINEER'S STAMP		CUSTOMER		REED & REED, INC. WOOLWICH, MAINE		STRESCON LIMITED SAINT JOHN, N.B. BEDFORD, N.S.		PROJECT JOSHUA CHAMBERLAIN BRIDGE over PENOBSCOT RIVER		DRAWING NO. 5760		REV. E-4	
ISSUED FOR APPROVAL		DATE		05/23/97		BY		GREG		TITLED		TYPE "E" SLAB LAYOUT	
NO.		REVISION		DATE		BY		JHD		DATA/ISSUED FILE		rmisc2/joshua2.db	





PARTIAL DECK SLAB LAYOUT



TYPICAL CROSS SECTION "F-F"

Locate drains per  
Note 1 sheet 20 of 49  
contract plans.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION CONSTRUCTION DIVISION	
<input type="checkbox"/> NO EXCEPTIONS TAKEN	<input checked="" type="checkbox"/> EXCEPTIONS NOTED
JUN 10 1997	
<input type="checkbox"/> RETURNED FOR CORRECTIONS	<input type="checkbox"/> REJECTED
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105 OF STANDARD SPECIFICATIONS	
MAINE	FE

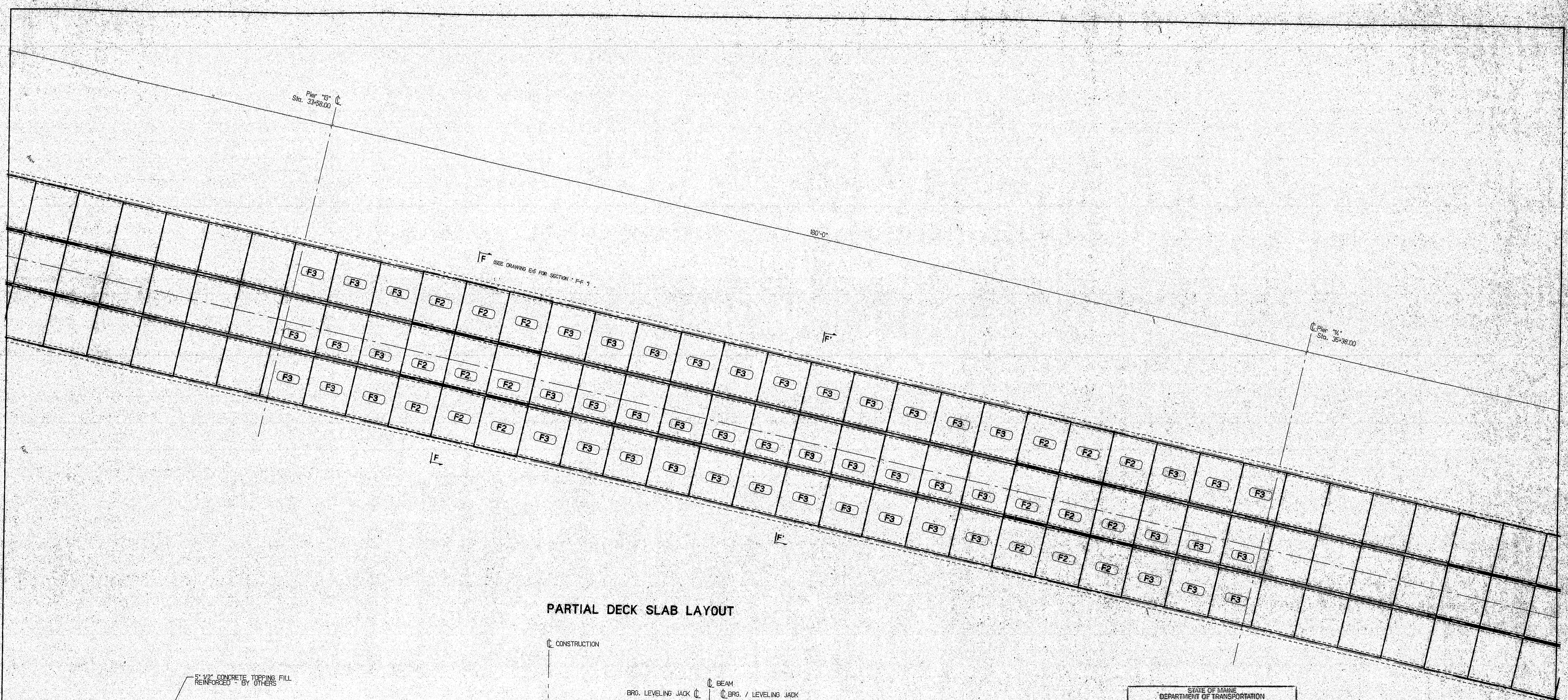
DRAWING NOTES:

1. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A197.
2. PRESTRESSING STRANDS SHALL BE 3/8" dia., 270 ksi, SEVEN WIRE, LOW RELAXATION STRANDS CONFORMING TO ASTM A416. INITIAL TENSION SHALL BE 7.2 kips PER STRAND.
3. CONCRETE DECK SLABS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5000 psi AND A MINIMUM RELEASE STRENGTH OF 4000 psi.
4. PLEASE CONFIRM ALL GRAB OPENING SIZES AND LOCATIONS.
5. 4" DECK SLAB BRG. TYPICAL WHERE POSSIBLE. WHEN LAYING DECK TOPS OF SLABS GOVERN AT 4" BRG. (NOTE: BRG. CONDITION VARIES AT SOME LOCATIONS BY 1/2").
6. ALL PRECAST DECK SLABS ARE 7'-11 1/2" C/C JOINTS (U.N.O.)

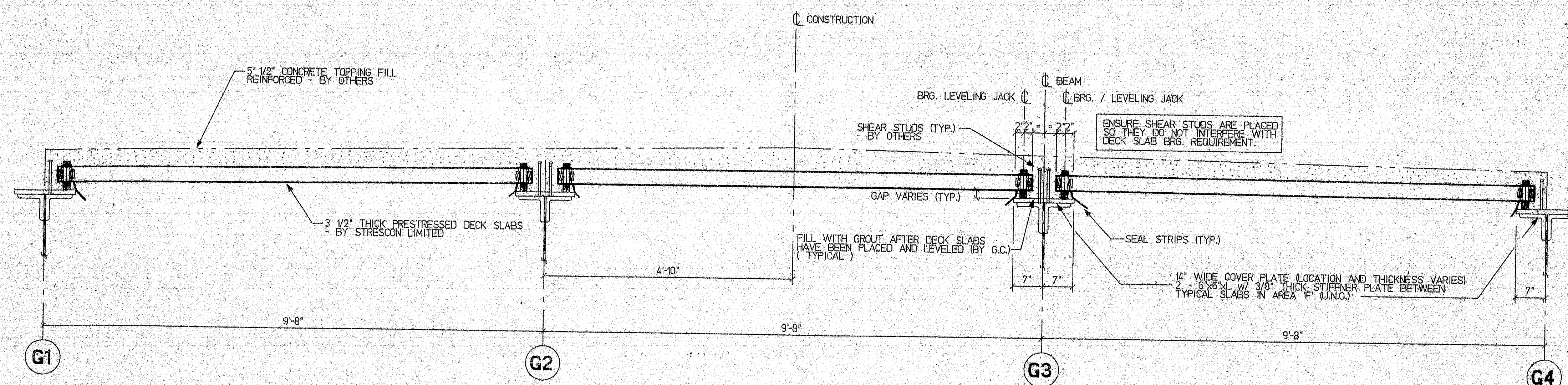
120-333

ENGINEER'S STAMP		CUSTOMER	
REED & REED, INC. WOLWICH, MAINE PROJECT: JOSHUA CHAMBERLAIN BRIDGE over PENOBSCOT RIVER DATE: 05/23/97 BY: GREG CHKD:		STRESCON LIMITED SAINT JOHN, N.B. BEDFORD, N.S. PART: TYPE "F" SLAB LAYOUT (1 OF 3) DATA: joshua2.dwg CONTRACT NUMBER: 5760 DRAWING NO.: E-5	





PARTIAL DECK SLAB LAYOUT



TYPICAL CROSS SECTION "F-F"

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION DIVISION

☐ NO EXCEPTIONS TAKEN

☒ EXCEPTIONS NOTED  
*See Aug 20*

JUN 10 1977

☐ RETURNED FOR CORRECTIONS ☒ REJECTED  
DOCUMENT REVIEWED IN ACCORDANCE WITH SECTION 105  
OF STANDARD SPECIFICATIONS

*Sheldon* NAME *FE* TITLE

DRAWING NOTES:

1. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A497.
2. PRESTRESSING STRANDS SHALL BE 3/8" dia., 270 ksi, SEVEN WIRE, LOW RELAXATION, STRANDS CONFORMING TO ASTM A406. INITIAL TENSION SHALL BE 17.2 kips PER STRAND.
3. CONCRETE DECK SLABS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5000 psi AND A MINIMUM RELEASE STRENGTH OF 4000 psi.
4. PLEASE CONFIRM ALL DRAIN OPENING SIZES AND LOCATIONS.
5. 4" DECK SLAB BRG. TYPICAL WHERE POSSIBLE.  
WHEN LAYING DECK TOPS OF SLABS COVERED AT 4" BRG.  
(NOTE: BRG. CONDITION VARIES AT SOME LOCATIONS BY 1/2")
6. ALL PRECAST DECK SLABS ARE 7'-11 1/2" C/C JOINTS (UNO.)

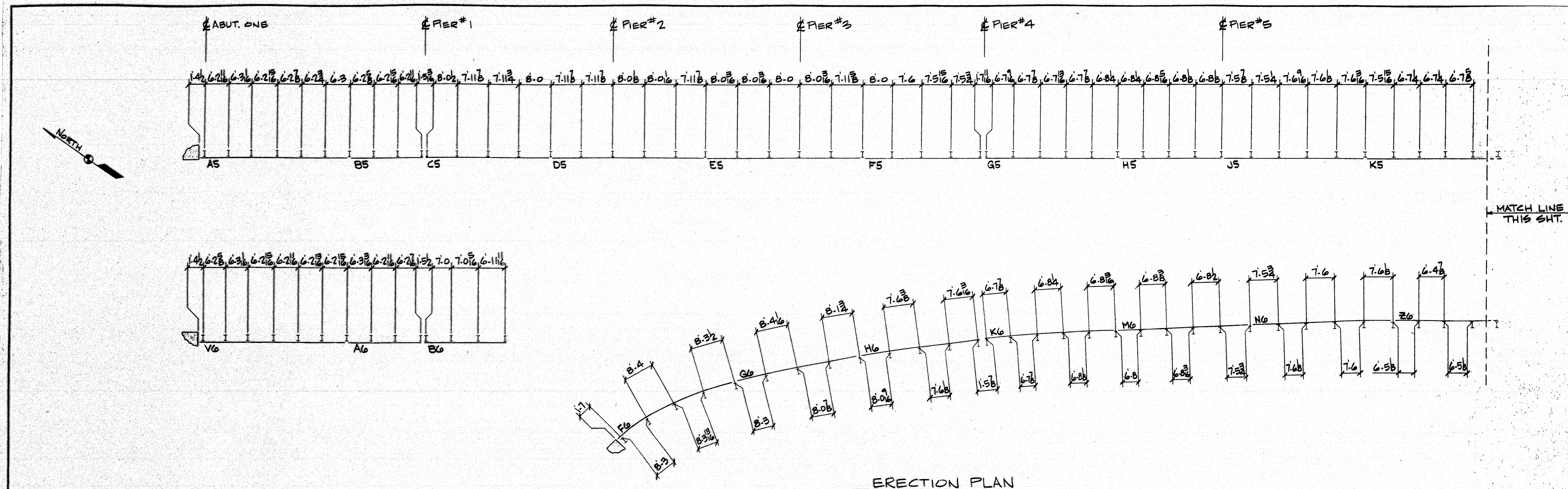
120-334

DESIGNER'S STAMP		REED & REED, INC. WOOLWICH, MAINE PROJECT: JOSHUA CHAMBERLAIN BRIDGE over PENOBSCOT RIVER Dept. of Transportation, Maine		<b>STRESCON LIMITED</b> SAINT JOHN, N.B. BEDFORD, N.S. PROJECT: JOSHUA CHAMBERLAIN BRIDGE over PENOBSCOT RIVER TITLE: TYPE "F" SLAB LAYOUT (2 OF 3) PART: 1 DATA/REVISIONS FILE: 1 CONTRACT NUMBER: 5760 DRAWING NO.: E-6	
NO. 1	ISSUED FOR APPROVAL	DATE: 05/23/97	BY: GREG	CHKD:	

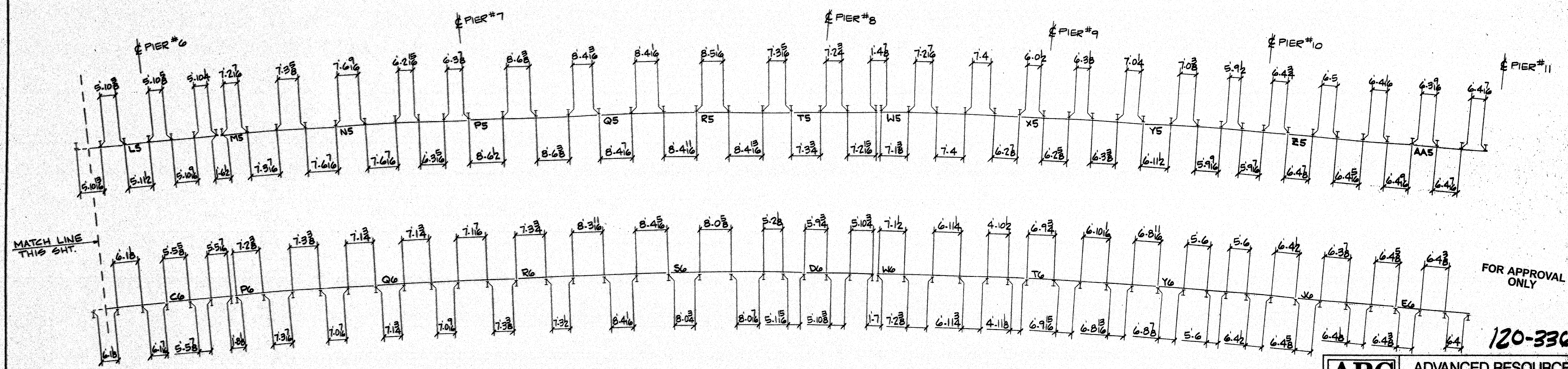








ERECTION PLAN



ERECTION PLAN

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
☒ Approved ☐ Returned for Corrections  
 JUL 0 0 1997  
☐ Approved as noted ☐ Rejected



ADVANCED RESOURCES & CONSTRUCTION  
 P.O. BOX 120 KINGFIELD, ME 04947  
 PHONE: (207) 265-2646 • FAX: (207) 265-4054

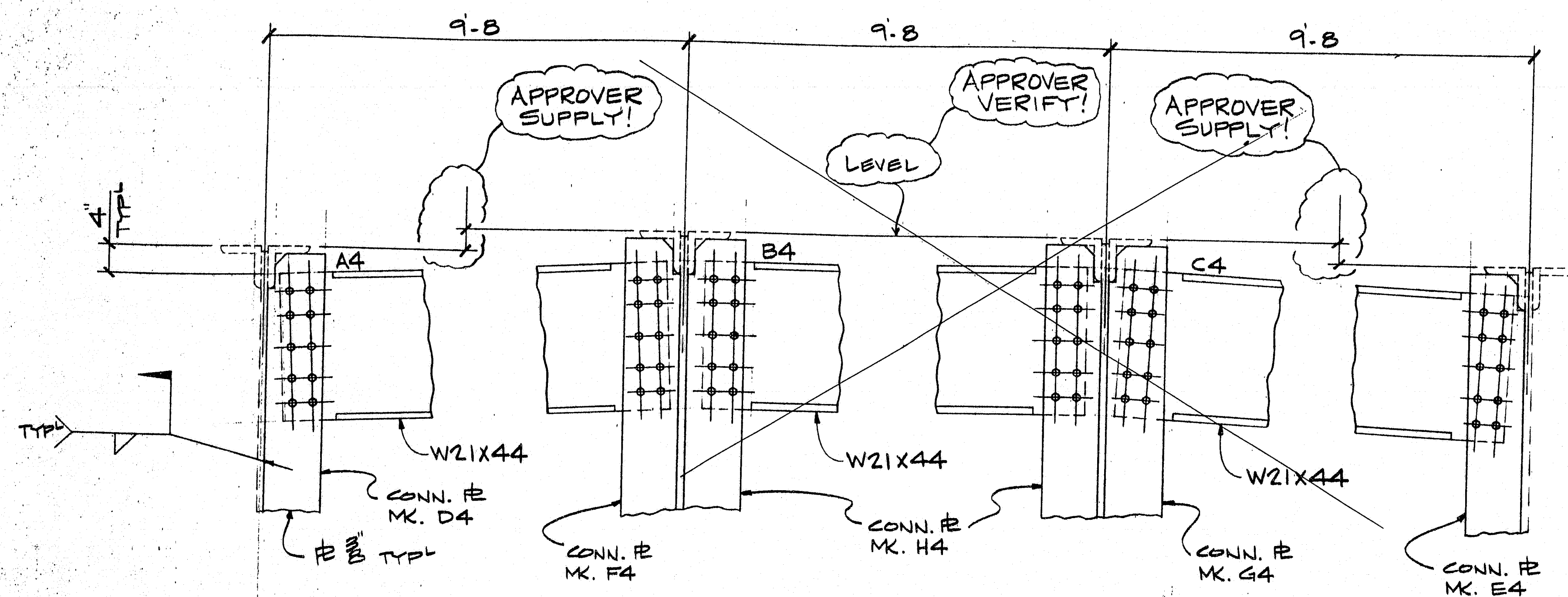
DESCRIPTION ERECTION PLAN  
 PROJECT JOSHUA CHAMBERLAIN BRIDGE  
 LOCATION BANGOR/BREWER, ME.  
 DESIGNER ME. D.O.T.  
 CUSTOMER REED & REED  
 DRAWN BY SNOWMAN DATE 5/23/97 JOB NUMBER 97-49 DWG. NO. E1  
 CHK'D. BY \_\_\_\_\_ DATE \_\_\_\_\_

PROJ. #: BH-043-1(34)  
 ITEM #: 504.70

120-336

FOR APPROVAL ONLY

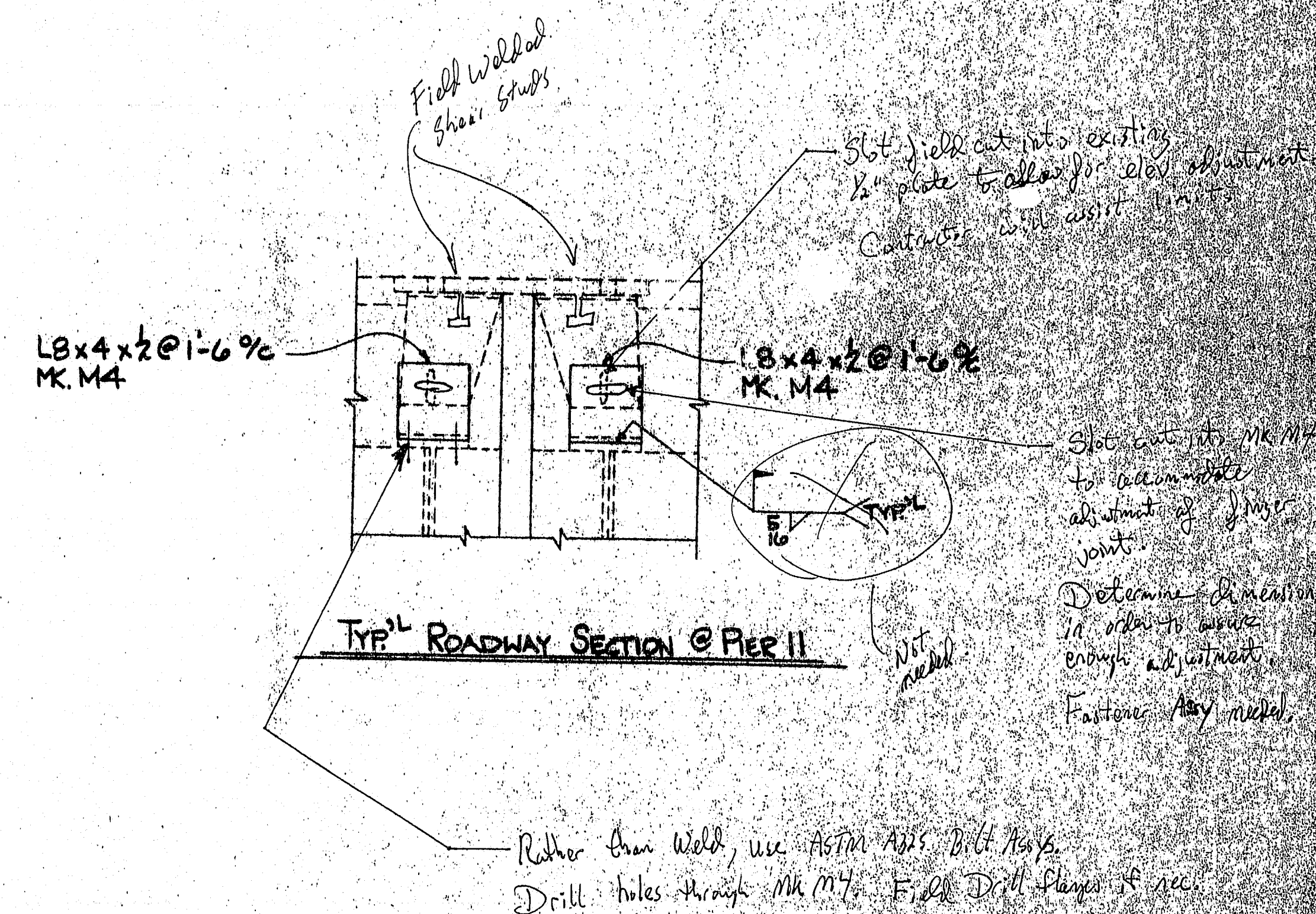




NEW END DIAPHRAGMS (LOOKING UPSTATION)

NOTE: CONTRACTOR TO PROVIDE LOCATION OF DIAPHRAGMS & ELEVATIONS REQUESTED.

Please See  
Draw. No. 4.



FOR APPROVAL  
ONLY

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
JUL 08 1997  
Approved as noted ☐ Rejected ☐

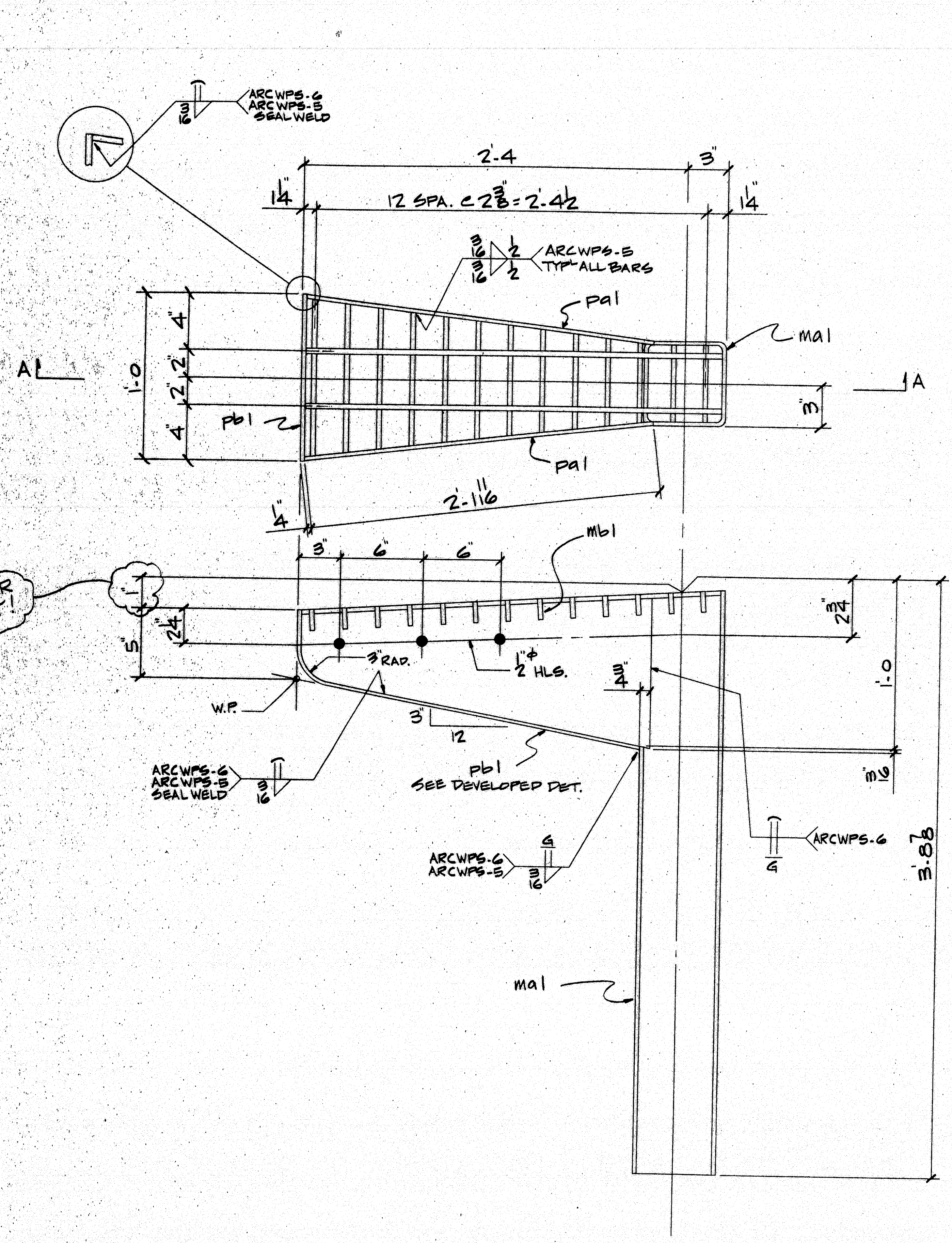
120-337

Proj. # BH-043-1(34)  
ITEM # 504.10

**ARC**  
ADVANCED RESOURCES  
& CONSTRUCTION  
P.O. BOX 120 KINGFIELD, ME 04947  
PHONE (207) 285-2848 • FAX (207) 288-4064

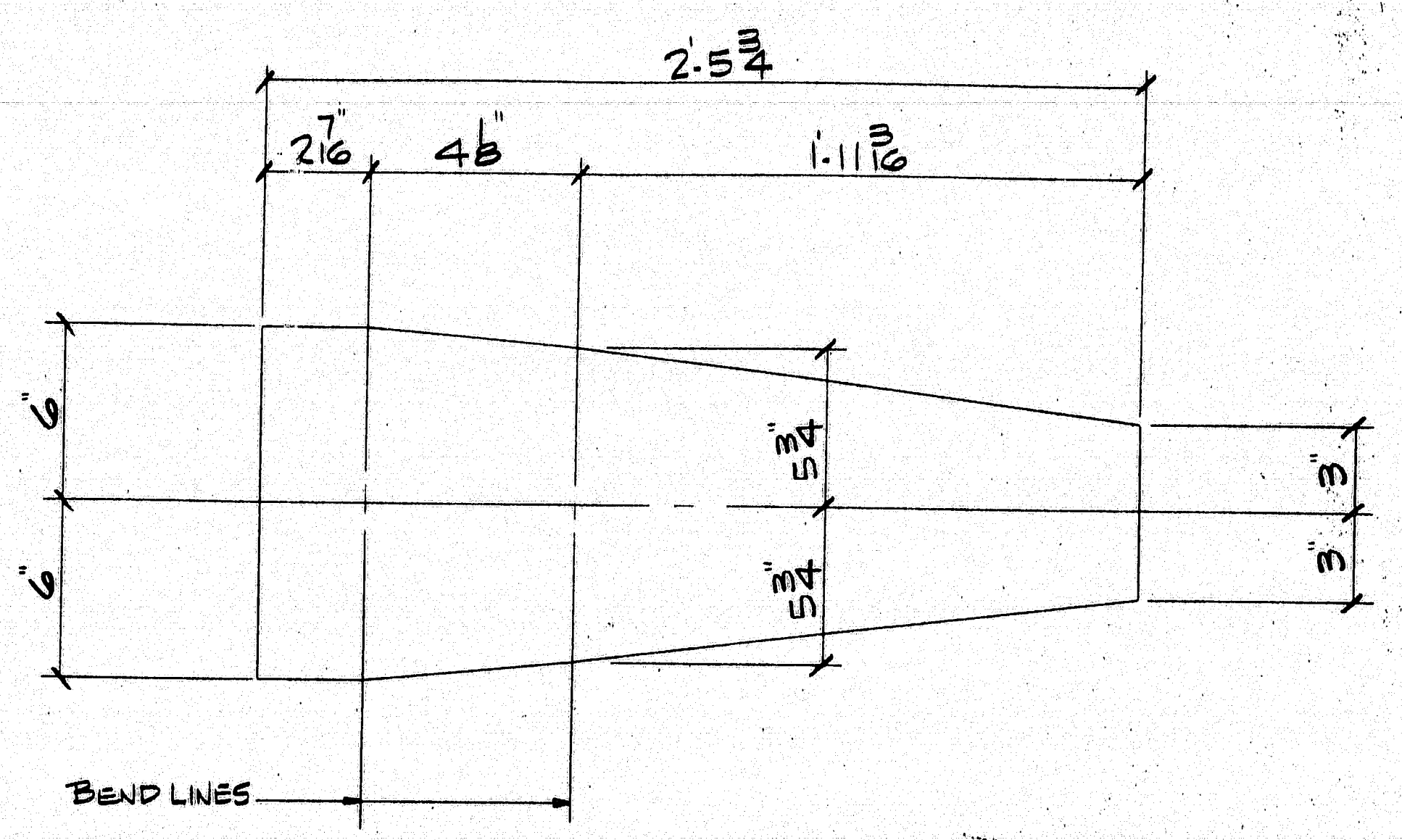
DESCRIPTION END DIAPHRAGM ELEVATION  
PROJECT JOSHUA CHAMBERLAIN BRIDGE  
LOCATION BANGOR/BREWER, ME.  
DESIGNER ME D&T  
CUSTOMER REED & REED  
DRAWN BY SLASH DATE 5/1/97 CHECKED BY SLASH DATE 5/1/97 SCALE AS SHOWN



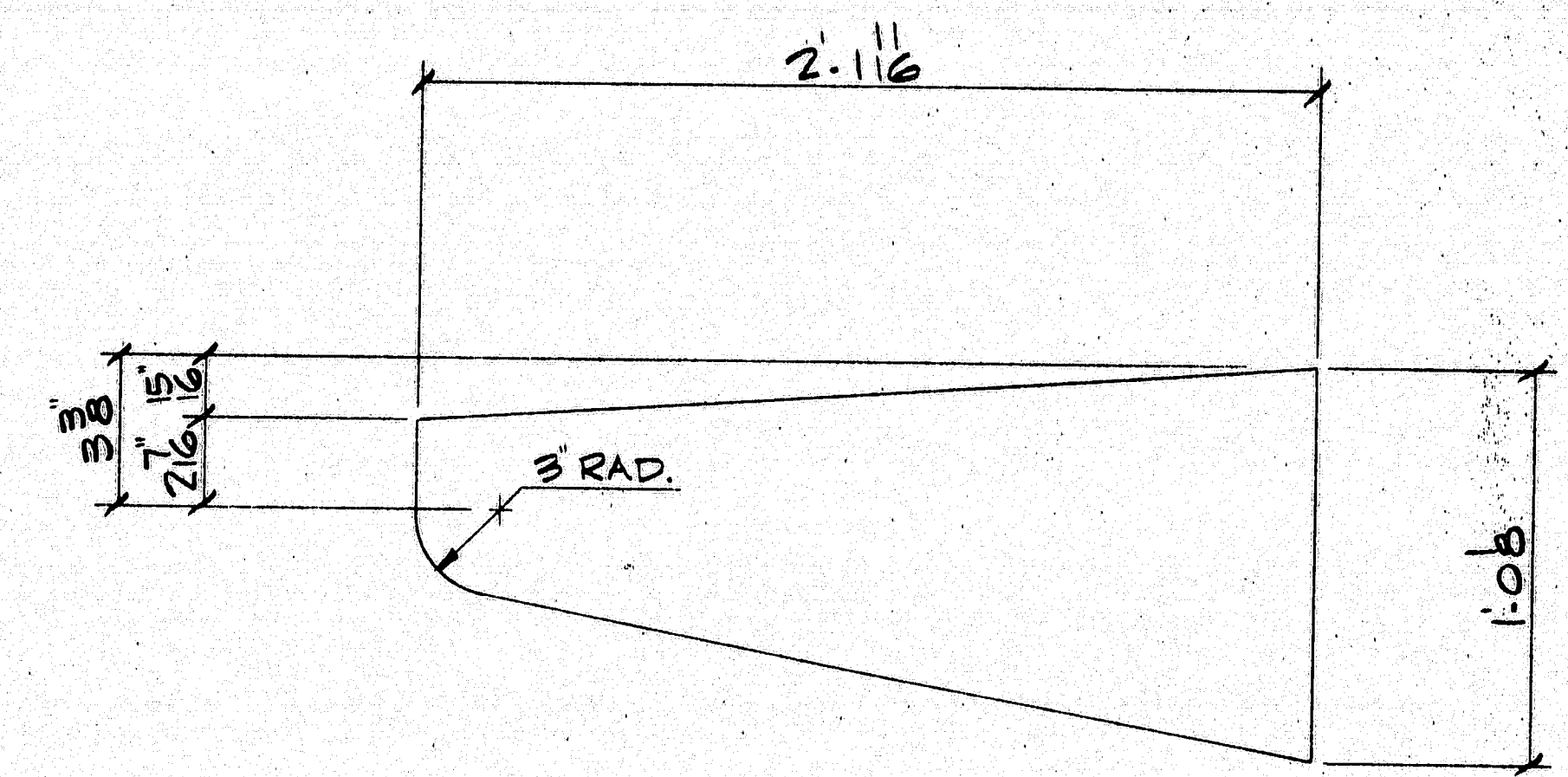


SECT. A-A

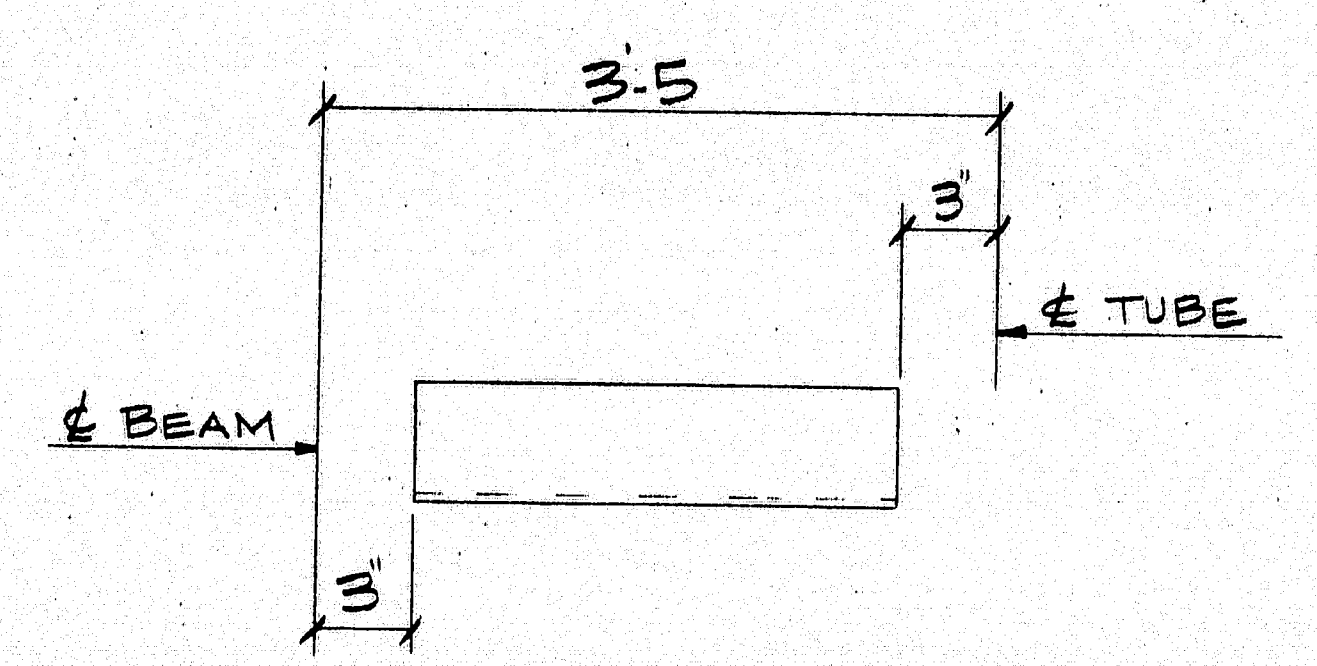
2 ~ BRIDGE DRAINS - MK. A1  
(LOCATE @ ABUT. ONE)



DEVELOPED DETAIL OF PB1



DETAIL OF PA1



2 ~ CONN. ANGLES - MK. B1

2 ~ CONN. TEES - MK. C1

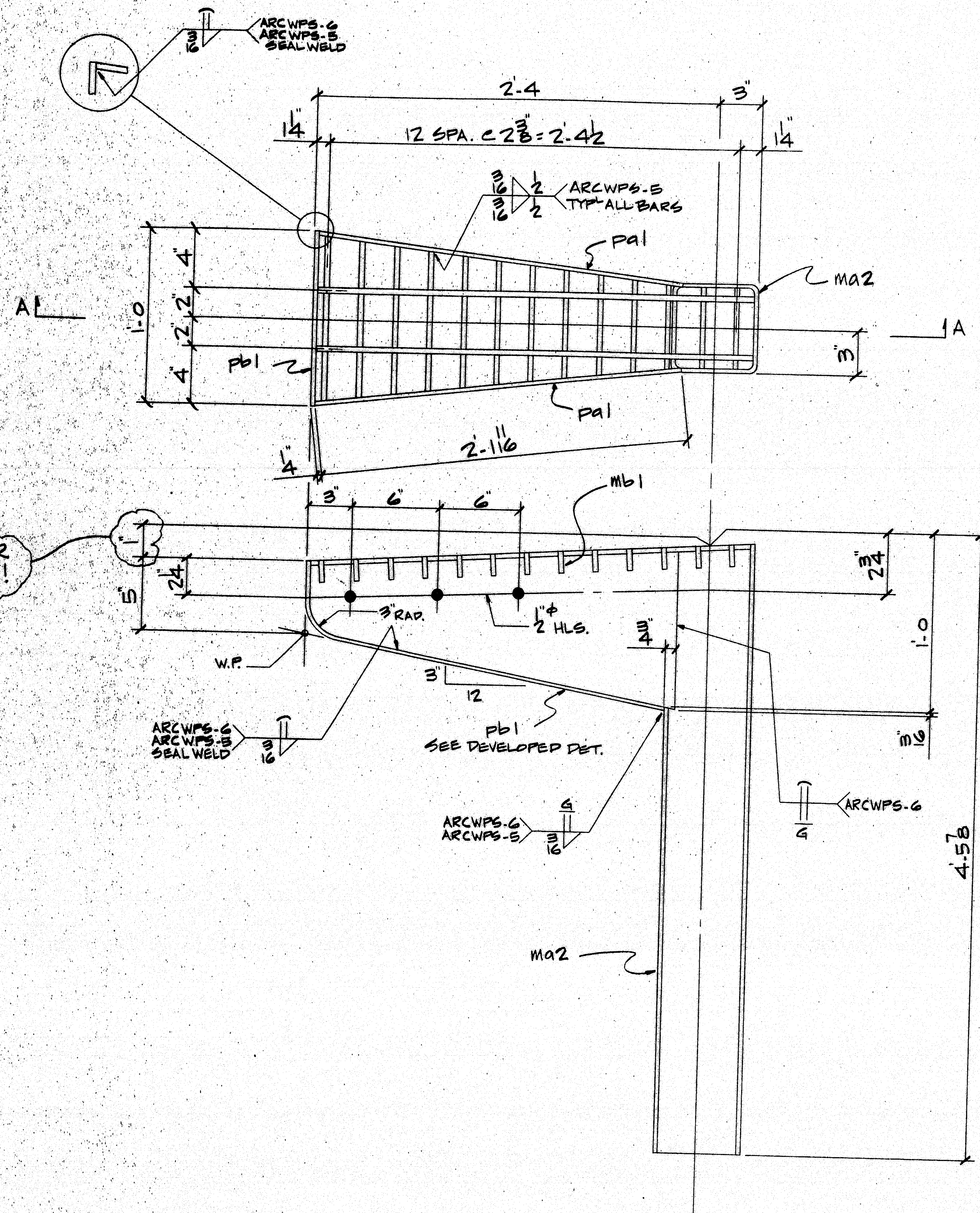
Note: Please Refer to  
Drawings to be provided  
for Bridge Drains.

- NOTES:
- 1) REFER TO ME. D.O.T. STD. DWG. BD-521-93 & SPEC. FOR INSTALLATION INSTRUCTIONS.
  - 2) REFER TO SHT. 8 OF 49 OF DESIGN DWG. FOR LOCATION OF DRAINS.

120-338

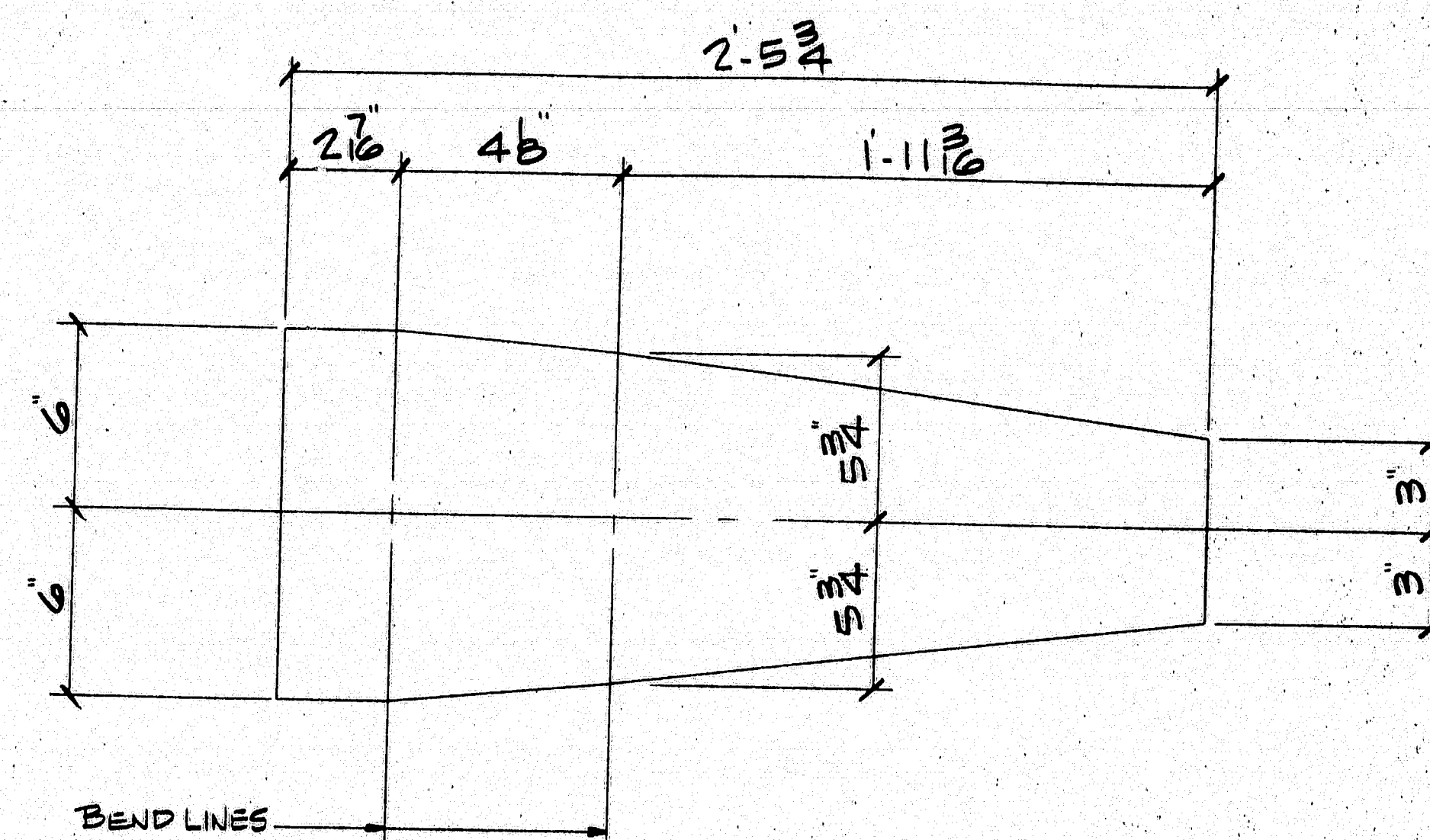
BILL OF MATERIALS			
SHIPPING MARK	SHOP MARK	QTY	DESCRIPTION
A1		2	GALV. DRAIN
MA1		2	T36X6X4X3.9 A500 GR. B
MB1		2	3/8X12X2.5 W/12X1/2 B.B.
PA1		4	R4X12X2.116 SHP
PB1		2	R4X12X2.53 SHP BEND
B1		2	L3X3X5/16X2.11
C1		2	WT6X13X0.8
FIELD BOLTS (THIS SHT.)			
		9	5/8X24 A325 1/4 NEW
FOR APPROVAL ONLY			
MAT'L: A36 DOM. HOLES: AS NOTED WELD: PER WELD PROCEDURE SURFACE PREP: SP6 FINISH: GALV. PER A.S.T.M. A123 PROJ. N°: BH-043-1(34) ITEM N°: 502.19 & E04.70			
STATE OF MAINE DEPARTMENT OF TRANSPORTATION JUL 08 1997 <input checked="" type="checkbox"/> Approved as noted <input type="checkbox"/> Rejected		<b>ARC</b> ENTERPRISES, INC. ADVANCED RESOURCES & CONSTRUCTION P.O. BOX 120 KINFIELD, ME 04947 PHONE: (207) 265-2646 • FAX: (207) 265-4054	
DESCRIPTION: BRIDGE DRAINS			
PROJECT: JOSHUA CHAMBERLAIN BRIDGE			
LOCATION: BANGOR/BREWER, ME.			
DESIGNER: ME. D.O.T.			
CUSTOMER: REED & REED			
DRAWN BY: SNOWMAN		DATE: 7/28/97	JOB NUMBER: 97-49
CHK'D BY:		DATE:	DWG. NO. 1



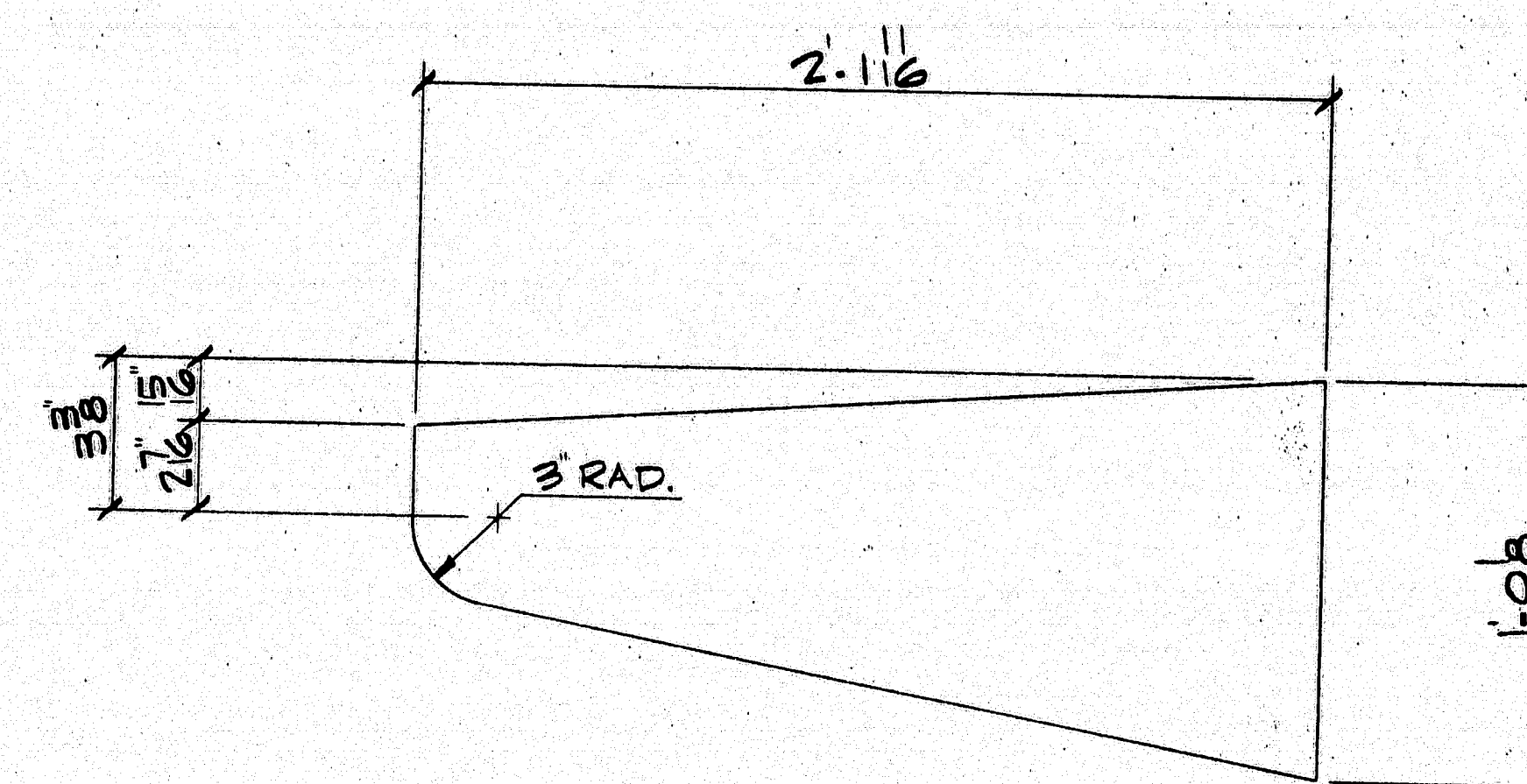


SECT. A-A

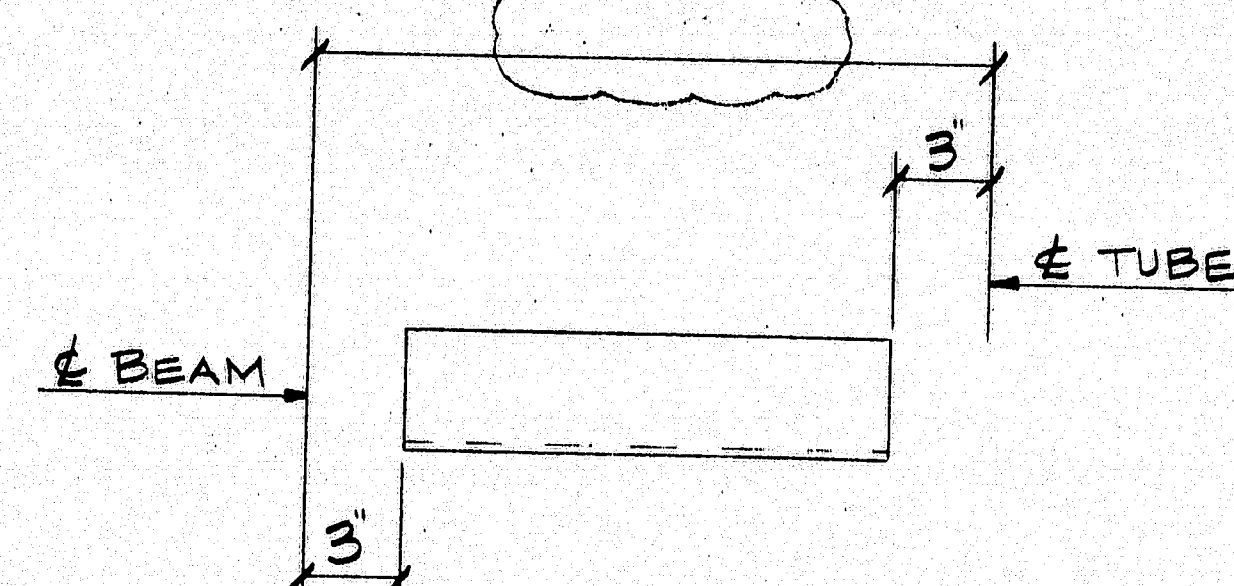
15-BRIDGE DRAINS-MK. A2  
(LOCATE @ PIERS 1 THRU 10)



DEVELOPED DETAIL OF PB1



DETAIL OF PA1



15-CONN. ANGLES-MK. B2

15-CONN. TEES-MK. C2

4'-2 1/4"  
5'-0 1/2"  
STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
JUL 0 8 1997  
Approved as noted

NOTES:

- 1) REFER TO ME D.O.T. STD. DWG. BD-521-93 & SPEC. FOR INSTALLATION INSTRUCTIONS.
- 2) REFER TO SHT. B OF 49 OF DESIGN DWG. FOR LOCATION OF DRAINS.

120-337

BILL OF MATERIALS

SHIPPING MARK	SHOP MARK	QTY.	DESCRIPTION
A2	15		GALV. DRAIN
MA2	15		T36X6X1/4X4-6
MB1	15		5/8X3/4X2-5 1/2X12X18
PA1	30		#4X12BX2-11 1/8
PB1	15		#4X12X2-5 3/4

B2 15 L3X3X1/2X

C2 15 WT6X13X0-8

FIELD BOLTS (THIS SHT.)

62 5/8X24 A325 W/NEW

FOR APPROVAL ONLY

MAT'L: A36 DOM. HOLES: AS NOTED  
WELD: PER WELD PROCEDURE  
SURFACE PREP: SP6  
FINISH: GALV. PER A.S.T.M. A123  
PROJ. N°: BH-043.1(34)  
ITEM N°: 302.19 & 504.70

ARC  
ADVANCED RESOURCES  
& CONSTRUCTION  
P.O. BOX 120 KINGFIELD, ME 04947  
PHONE: (207) 265-2646 • FAX: (207) 265-4054

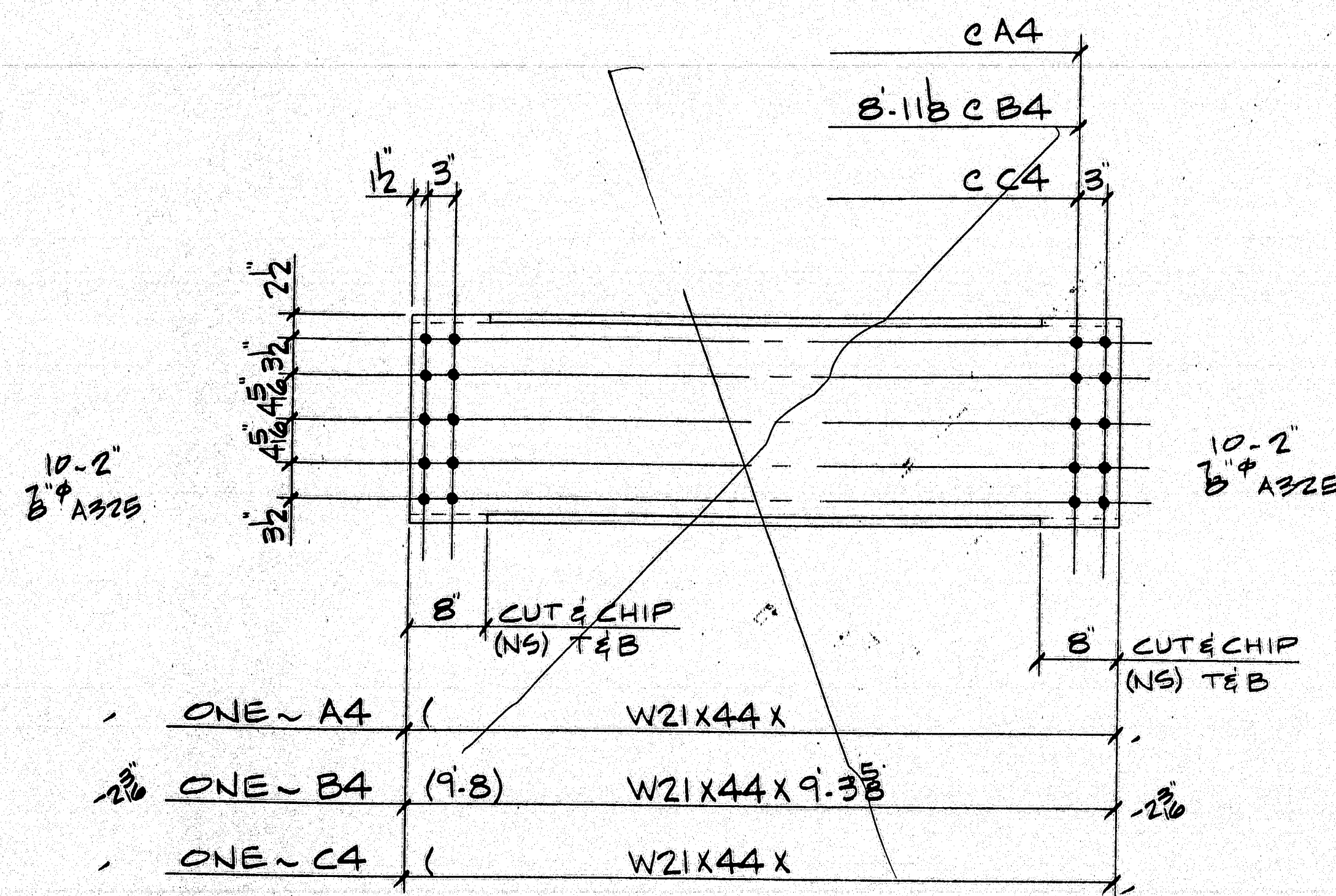
DESCRIPTION: BRIDGE DRAINS  
PROJECT: JOSHUA CHAMBERLAIN BRIDGE  
LOCATION: BANGOR/BREWER, ME  
DESIGNER: ME. D.O.T.  
CUSTOMER: REED & REED  
DRAWN BY: [signature] DATE: 5/26/97  
CHK'D BY: [signature] DATE: 9/14/97

DWG. NO. 2

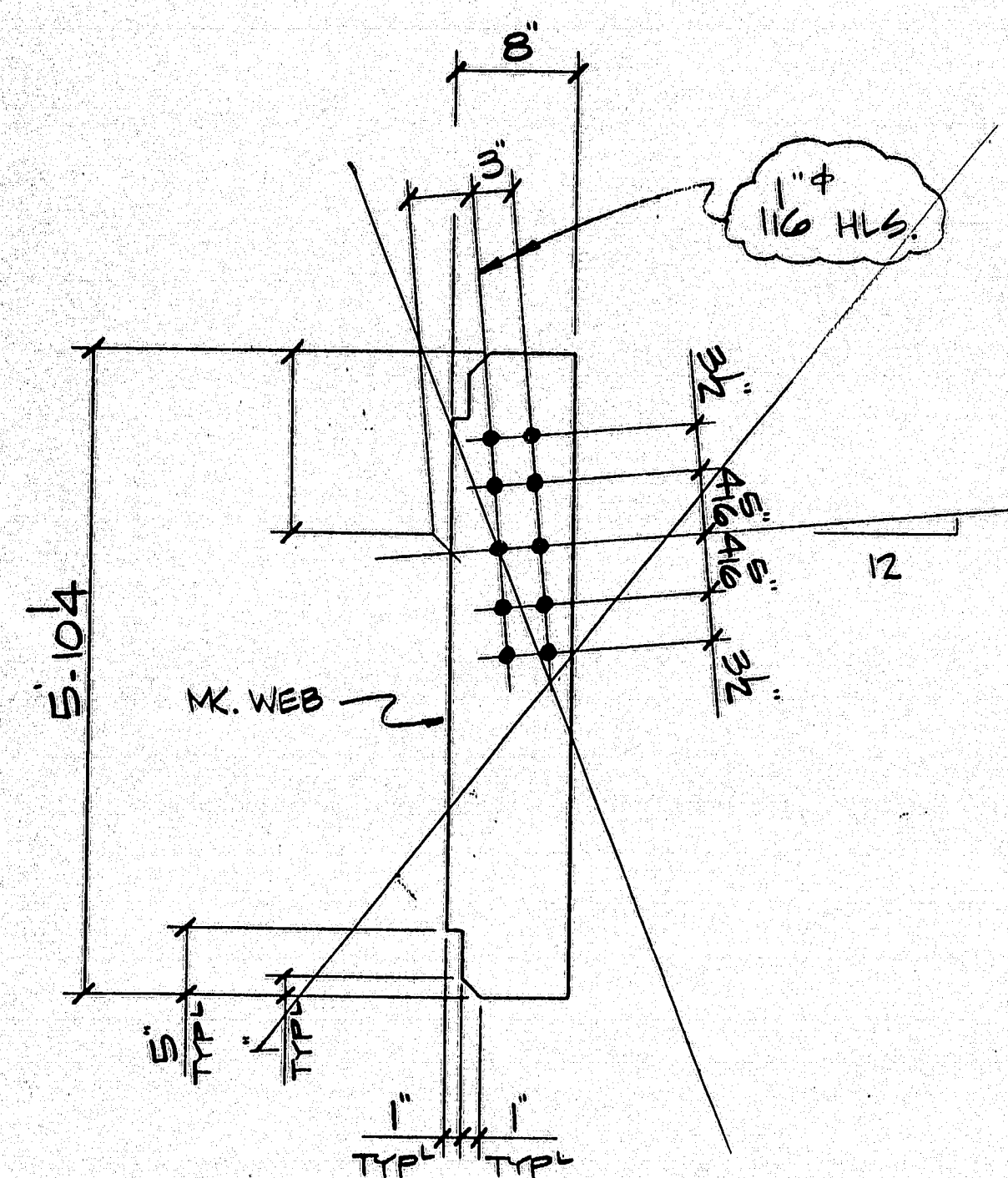




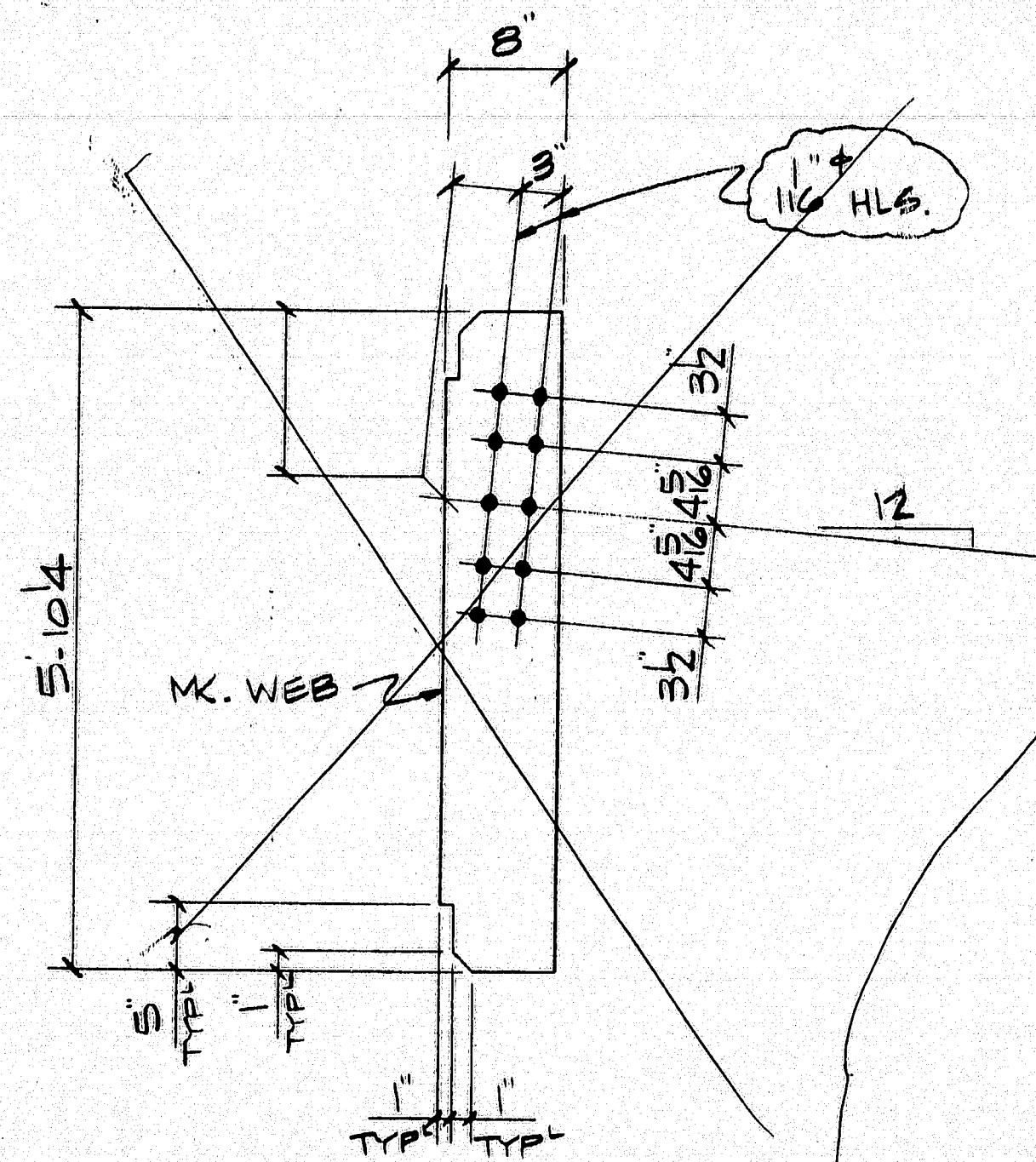




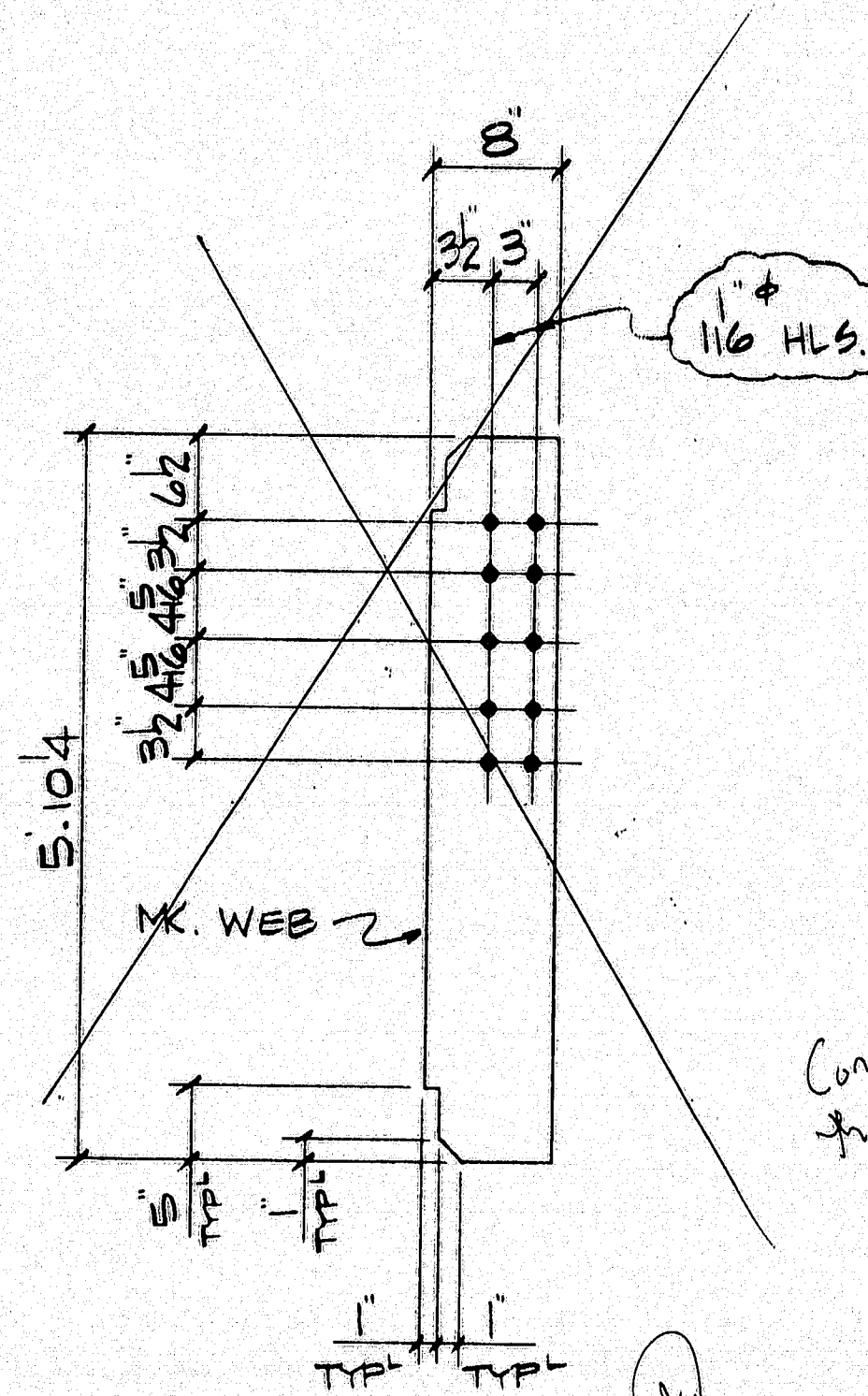
- ONE - A4 ( W21X44 X
- ONE - B4 (9.8) W21X44 X 9.3
- ONE - C4 ( W21X44 X



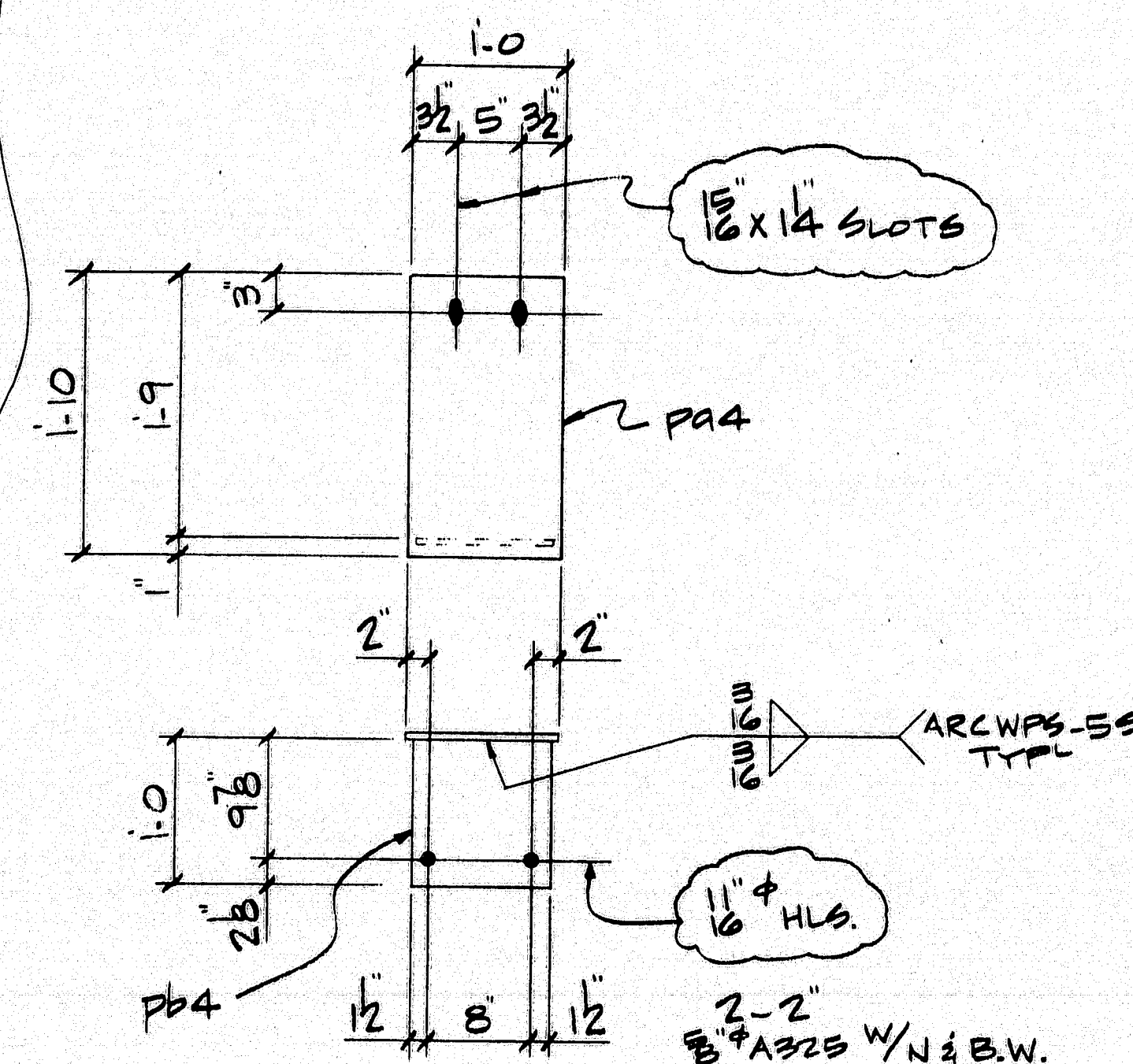
- ONE - CONN. # - MK. D4
- ONE - CONN. # - MK. E4



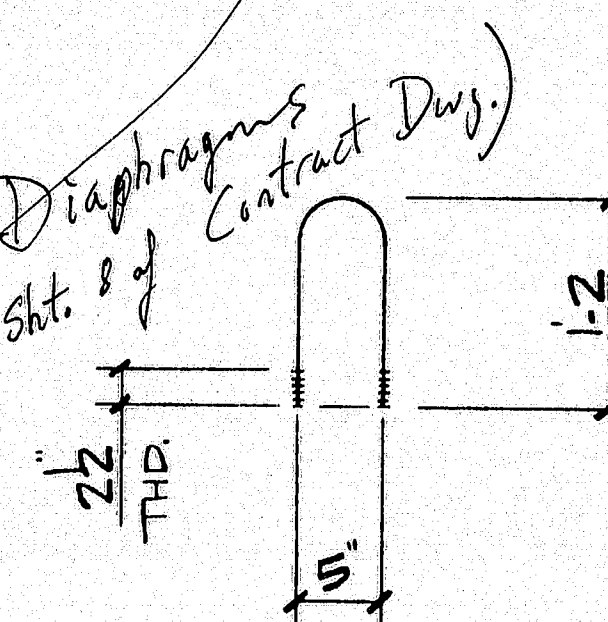
- ONE - CONN. # - MK. F4
- ONE - CONN. # - MK. G4



- 2 - CONN. # - MK. H4



- 6 - LIGHT SUPPORTS - MK. J4



- 6 - GALV. U-BOLTS - MK. K4

# BILL OF MATERIALS

SHIPPING MARK	SHOP MARK	QTY.	DESCRIPTION
A4		1	W21X44 X CUT & CHIP
B4		1	W21X44 X 9.3 CUT & CHIP
C4		1	W21X44 X CUT & CHIP
D4		1	#3 X 8" X 5'-10 1/4" CUT & CHIP
E4		1	X 5'-10 1/4"
F4		1	X 5'-10 1/4"
G4		1	X 5'-10 1/4"
H4		2	#3 X 8" X 5'-10 1/4" CUT & CHIP
J4		6	LIGHT SUPPORTS
P4		6	#4 X 12" X 1'-10" Galv. ASTM A123
P4		6	#4 X 12" X 0'-11" Galv. ASTM A123
K4		6	3/4" GALV. U-BOLT W/ N&W ASTM A307 Grade C or better. See Note 10 on site 2 of Drawings.
M4		40	LBX4x1/2x0-7 1/2
PLAIN MATERIAL (NO PAINT)			
FIELD BOLTS (THIS SH.)			
		62	1/2" x 2" A325 W/ N&W
		14	3/4" x 2" A325 Typ 1 W/ N&W
FOR APPROVAL ONLY			

MAT'L: A36 DOMESTIC HOLES: 1/8" U.N.O.  
WELD: PER WELD PROCEDURE  
SURFACE PREP: SP6  
FINISH: J4 Galv. ASTM A123  
M4

ARC ENTERPRISES, INC.  
ADVANCED RESOURCES & CONSTRUCTION  
P.O. BOX 120 KINGFIELD, ME 04947  
PHONE: (207) 265-2646 • FAX: (207) 265-4054

DESCRIPTION: DIAPHRAGMS & BRACKETS  
PROJECT: JOSHUA CHAMBERLAIN BRIDGE  
LOCATION: BANGOR/BREWER, ME.  
DESIGNER: ME. D.O.T.  
CUSTOMER: REED & REED  
DRAWN BY: SNOWMAN DATE: 3/27/97 JOB NUMBER: 97-49 DWG. NO.: 4  
CHK'D BY: DATE:

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
JUL 08 1997  
Approved as noted

Proj. #: BH-043-1(34)  
ITEM #: 504.70 & 520.24

APPROVER PLEASE SUPPLY!

APPROVER PLEASE VERIFY QUANTITY AND FINISH!

Eliminate Requirement of Diaphragms altogether. (Note 4 of Sht. 8 of Contract Dwg.)  
Concrete will be finished in this area in order to accommodate look. (Design Change.)

Galvanize  
ASTM A123.  
Also see E2.

AK Galv.  
ASTM A153











