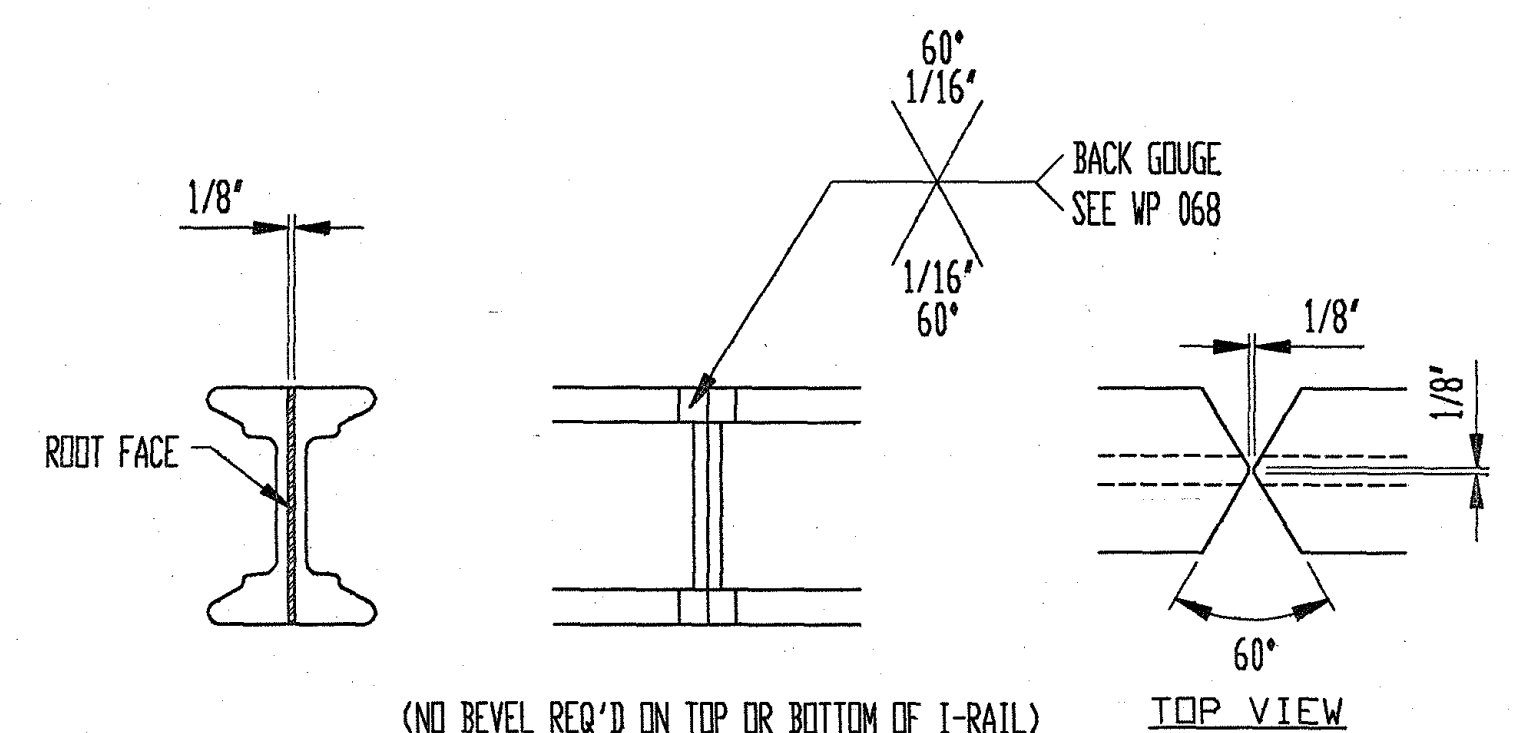
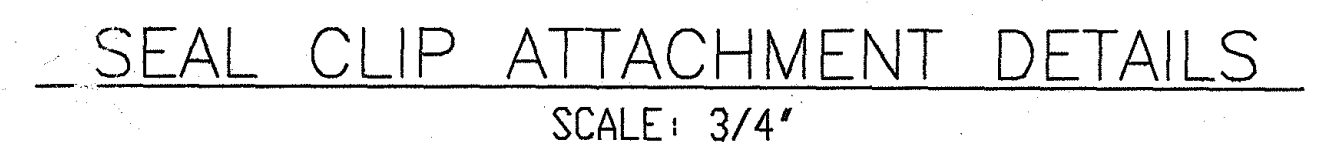


NOTE:
DIMENSIONS GIVEN INCLUDE CREEP &
SHRINKAGE. JOINT SETTINGS SHALL
BE DETERMINED BY FIELD ENGINEER
AT TIME OF JOINT INSTALLATION.

'D-320' TEMPERATURE ADJUSTMENT CHART



CENTER BEAM SHOP SPLICE DETAIL
COMPLETE PENETRATION WELD

OFFICE COPY

D.S. BROWN 96-01939-11685 SHEET 2 OF 7

[illegible]

F.A.P. NO.: 1-H3-1(68)

STATE PROJ. NO.:

BRIDGE NO: 4

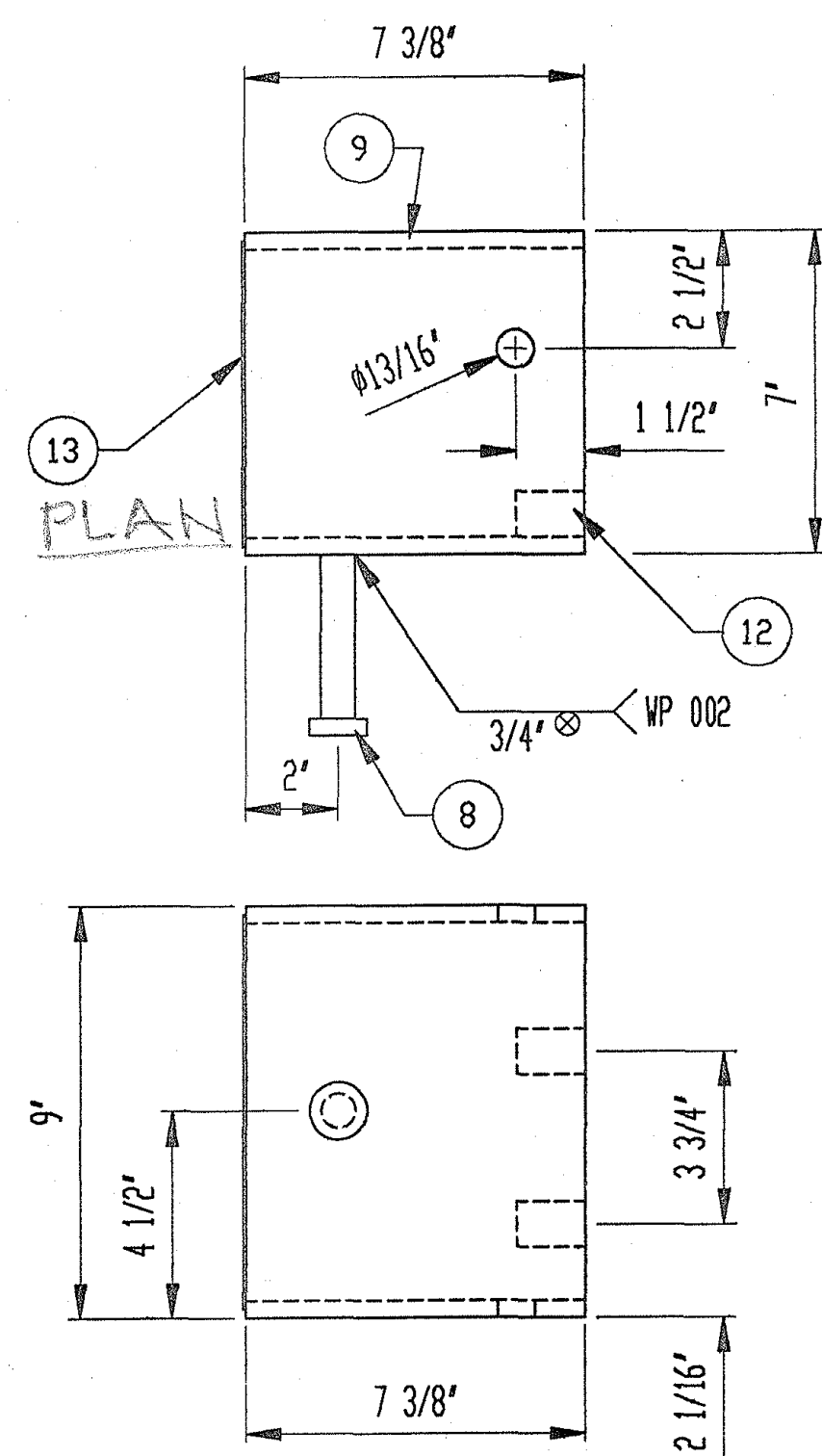
DESIGNER: HAWAII D.O.T.

CONTRACTOR: KIEWIT PACIFIC COMPANY

DSB FILE NO: 96-01939\SHT-16

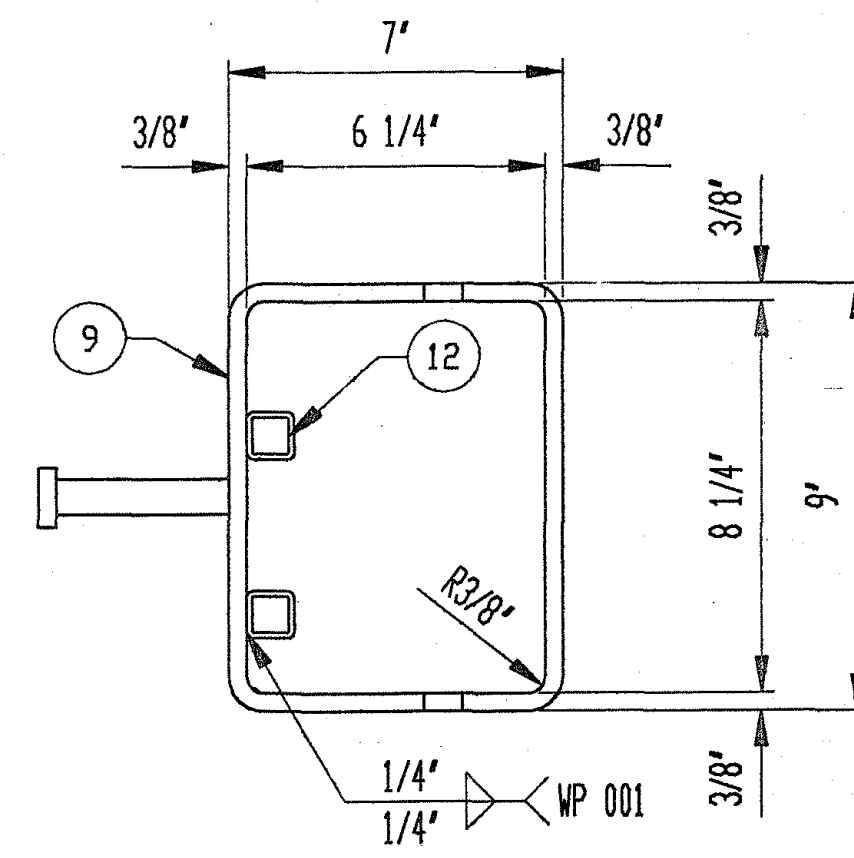
EDGE BEAM TO SUPPORT BOX DETAIL

SCALE: 1/2"

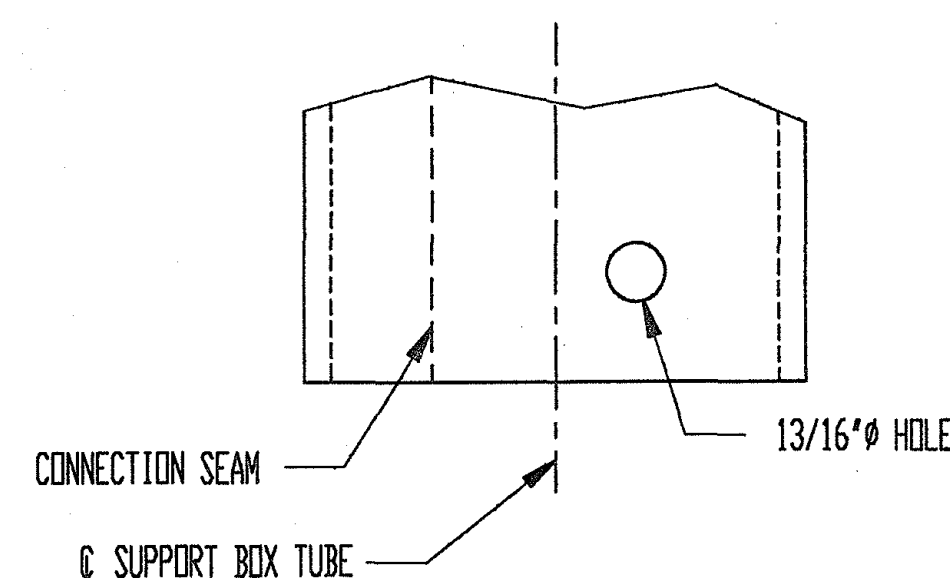


NOTE: ACTUAL FINISHED ASSEMBLED TOLERANCE NOT TO EXCEED ±0.0394.

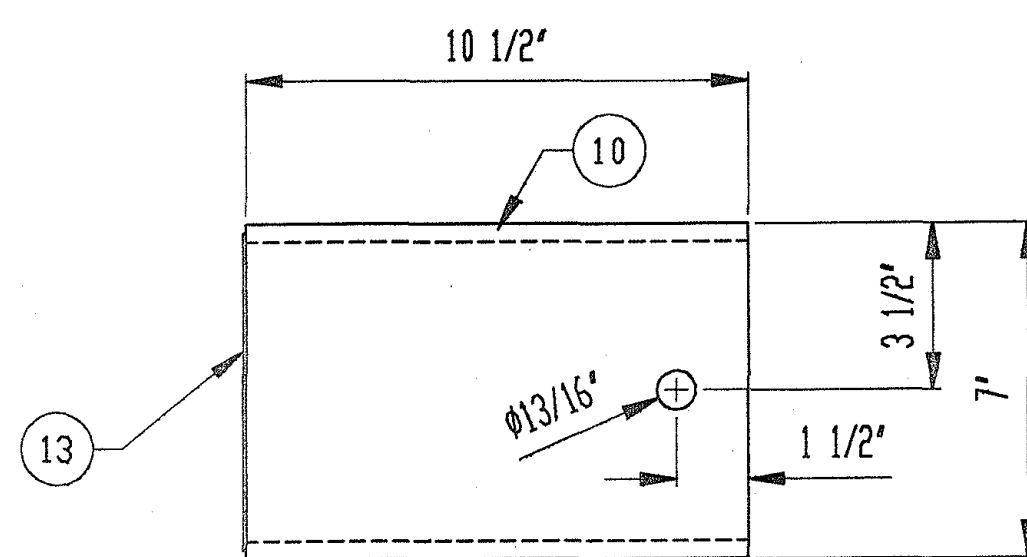
ITEM	DESCRIPTION	QTY.
8	3/4" Ø X 4" STUD ANCHOR	56
9	3/8" THICK SUPPORT BOX TUBE	56
12	1" SQUARE X 1 1/2" LONG TUBING	112
13	16 GA. X 6 5/8" X 8 5/8" LONG PLATE	56



'D-320' SUPPORT BOX DETAILS (SHORT LENGTH)
SCALE: 1/4"



SHOP NOTE:
WHEN DRILLING 13/16" Ø HOLES INTO SUPPORT BOX TUBE, BE SURE THE SEAM OF THE TUBE IS ON THE OPPOSITE SIDE IN RELATIONSHIP TO THE Ø OF BOX.

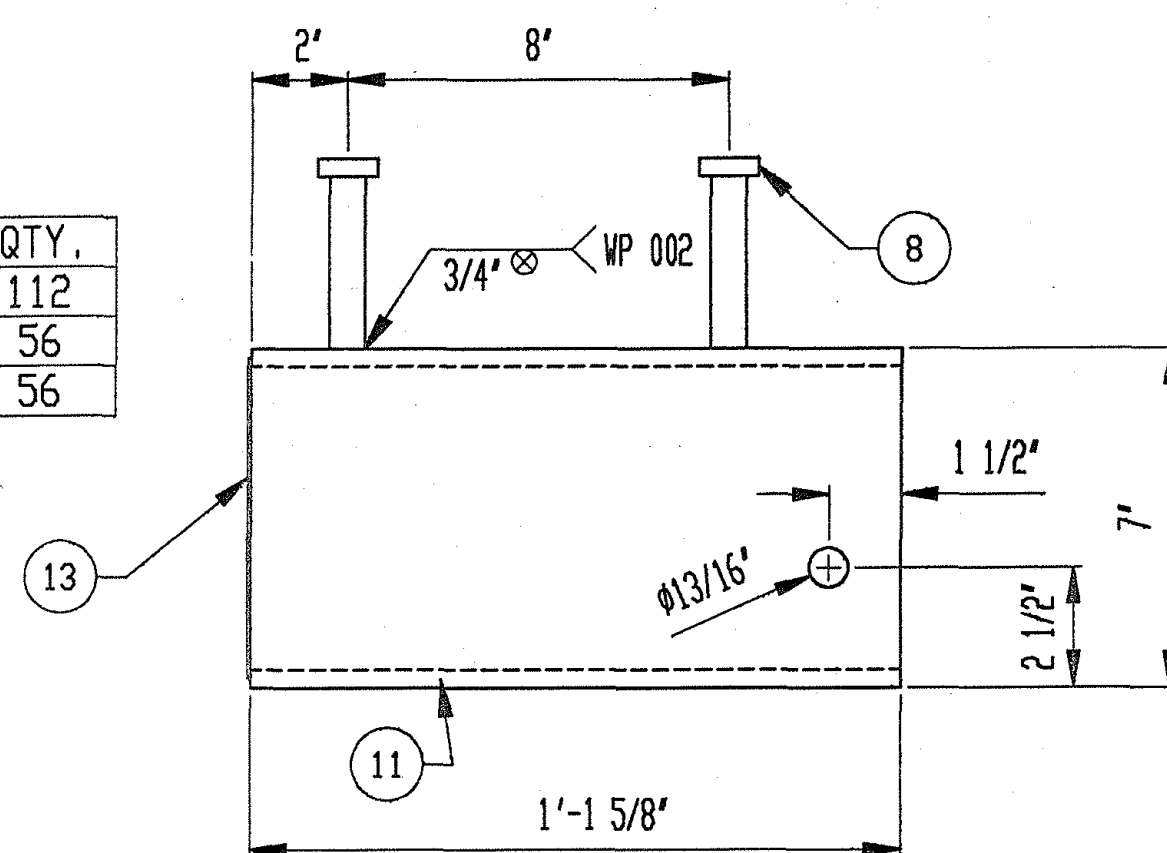


ITEM	DESCRIPTION	QTY.
10	3/8" THICK SUPPORT BOX TUBE	56
13	16 GA. X 6 5/8" X 8 5/8" LONG PLATE	56

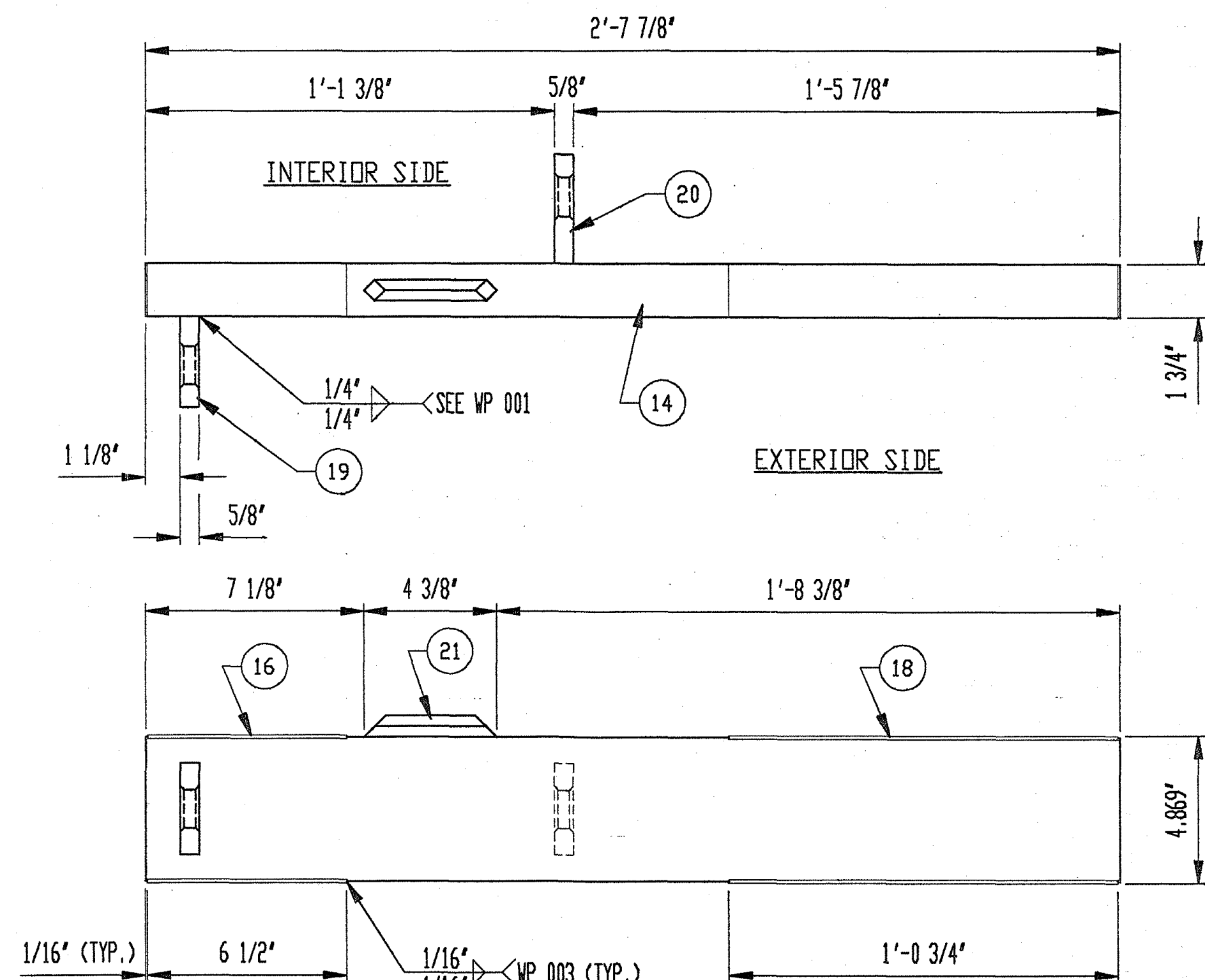
'D-320' INNER SUPPORT BOX PLAN VIEW
SCALE: 1/4"

ITEM	DESCRIPTION	QTY.
8	3/4" Ø X 4" STUD ANCHOR	112
11	3/8" THICK SUPPORT BOX TUBE	56
13	16 GA. X 6 5/8" X 8 5/8" LONG PLATE	56

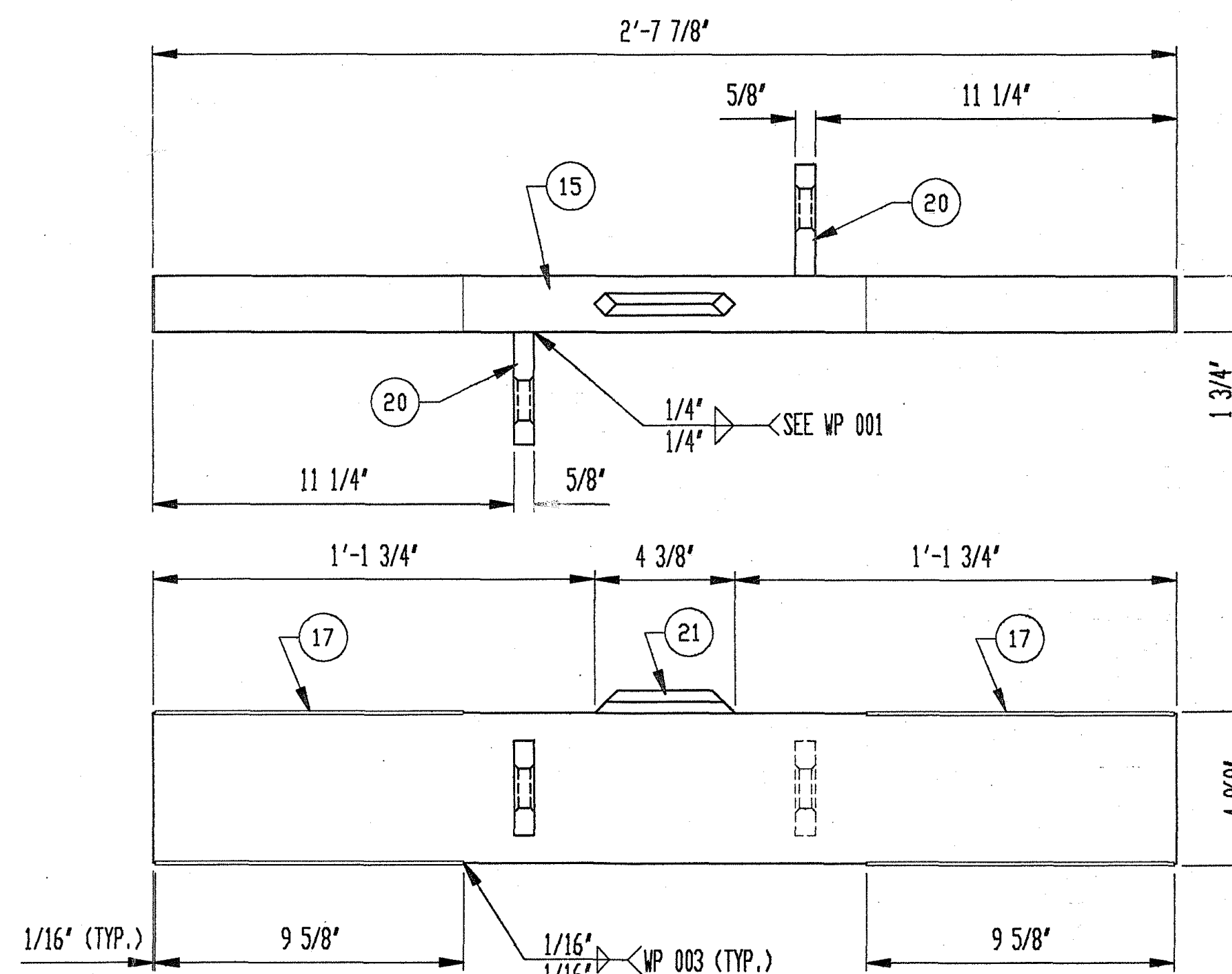
NOTE: ACTUAL FINISHED ASSEMBLED TOLERANCE NOT TO EXCEED ±0.0394.



'D-320' EXTERIOR SUPPORT BOX PLAN VIEW (LONG LENGTH)
SCALE: 1/4"



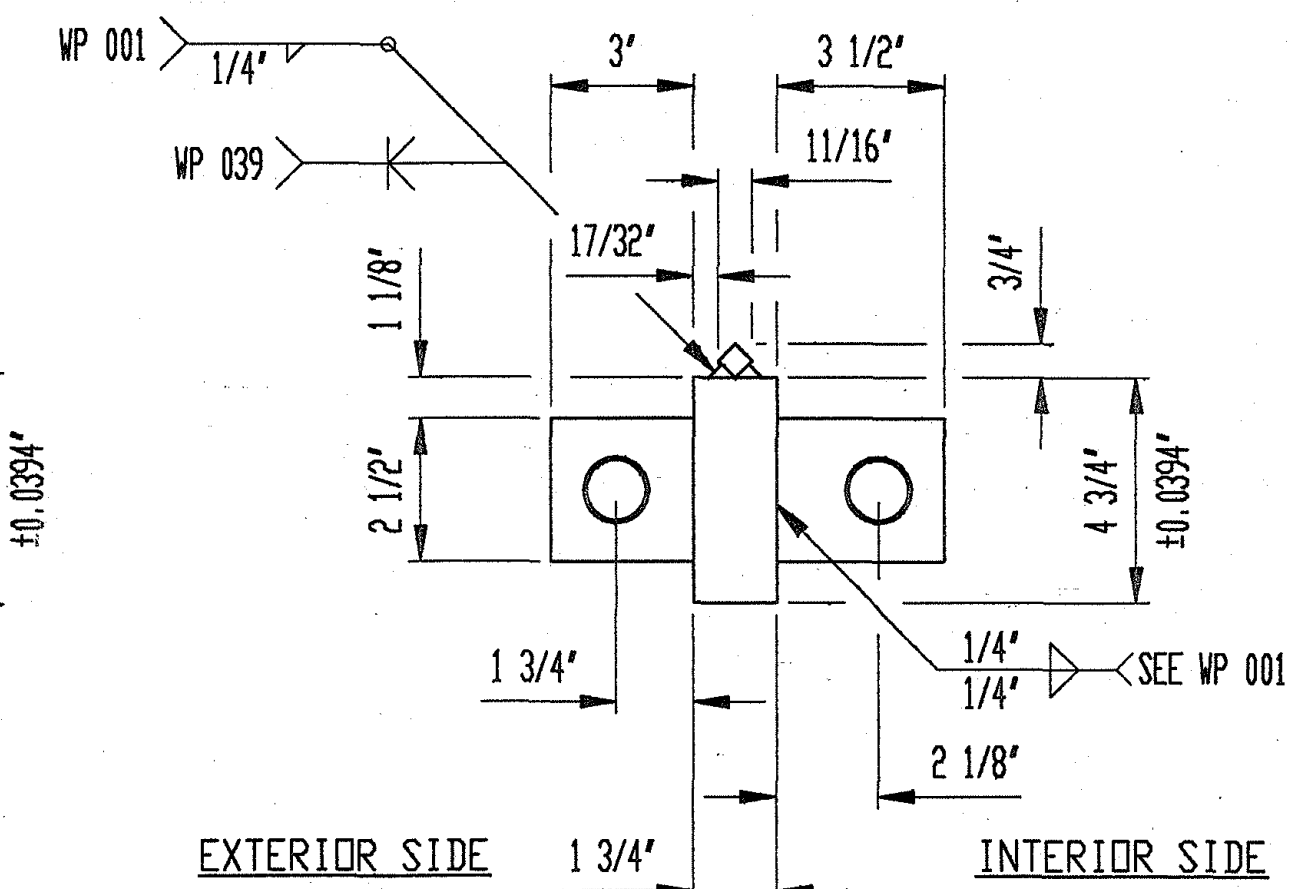
'D-320' OUTER SUPPORT BAR DETAILS



'D-320' INNER SUPPORT BAR DETAILS

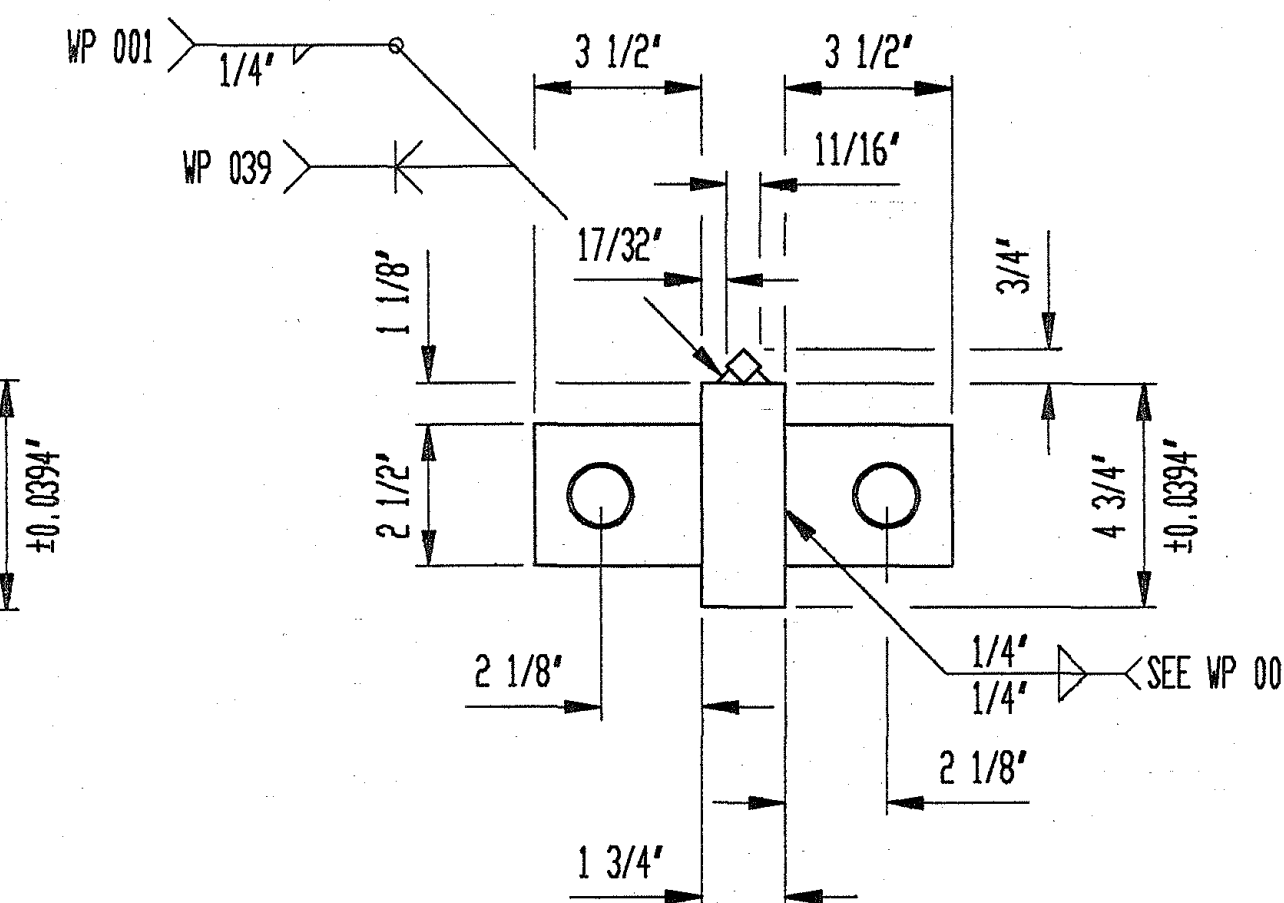
ITEM	DESCRIPTION	QUAN.
14	1 3/4" X 4 3/4" X 2'-7 7/8" BAR	56
16	16GA. x 2 3/8" x 6 1/2" S.S. SHIM	112
18	16GA. x 2 3/8" x 1'-0 3/4" S.S. SHIM	112
19	5/8" X 2 1/2" X 3' FLAT BAR (EXTERIOR)	56
20	5/8" X 2 1/2" X 3 1/2" FLAT BAR (INTERIOR)	56
21	1/2" CONNECTION BAR STOCK	56

NOTE: STAINLESS SHIMS NOT SHOWN IN RIGHT HAND VIEW FOR CLARITY PURPOSES.



ITEM	DESCRIPTION	QUAN.
15	1 3/4" X 4 3/4" X 2'-7 7/8" BAR	28
17	16GA. x 2 3/8" x 9 5/8" S.S. SHIM	112
20	5/8" X 2 1/2" X 3 1/2" FLAT BAR (INTERIOR)	56
21	1/2" CONNECTION BAR STOCK	28

NOTE: STAINLESS SHIMS NOT SHOWN IN RIGHT HAND VIEW FOR CLARITY PURPOSES.

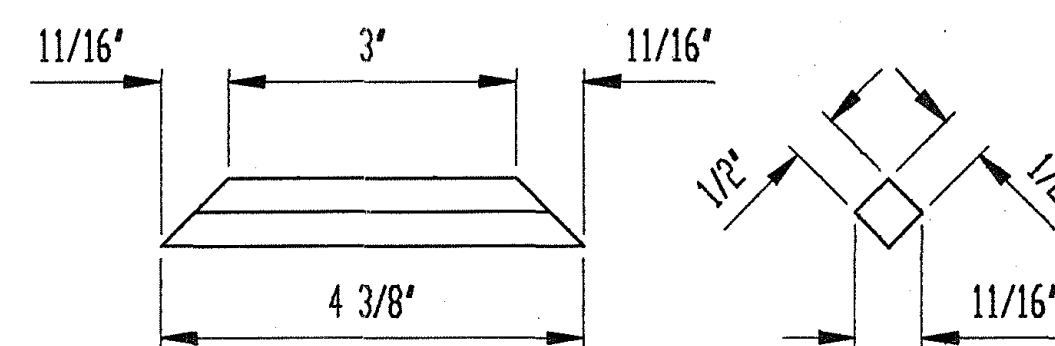


OFFICE COPY

NO EXCEPTION TAKEN
REJECTED
NAME CORRECTIONS NOTED
REVISE AND RESUBMIT
SUBMIT RESUBMITTED ITEM

Checking is only for general conformance with the design intent of the project and general consistency with the information given in the contract documents. Any action taken is subject to the requirements of the plans and specifications. Contractor is responsible for obtaining all necessary permits and approvals for construction. The contractor shall be responsible for the work and for the quality of the work. The contractor shall be responsible for the work and for the quality of the work.

11/19/96 56



ITEM NO. 21
(84) REQ'D.
'D-320' RIDER BAR

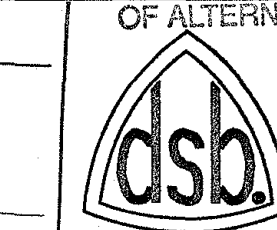
REVIEW IS BASED ON CONTRACTOR'S PROPOSED ALTERNATIVE DESIGN.
DATED 7/22/96
COMMENTS HEREON ARE SUBJECT TO CHANGE UPON FINAL APPROVAL OF ALTERNATIVE DESIGN.

REVIEW	
☒	No Exceptions Taken
☐	Note Markings or Corrections
☐	Revise & Resubmit
☐	Comments Attached

Review is for general conformance with the design concept of the project and the Contractor's Documents. Markings or comments shall not be construed as relieving the Contractor from compliance with the proper plans and specifications, nor departures therefrom. The Contractor remains responsible for the design and accuracy for continuing and correlating all quantities and dimensions, for selecting fabrication processes, for techniques of assembly and construction, for coordination of the work of all trades, and for performance of his work in a safe manner.

YUJI KASAMOTO, INC.
By: EW Date: 12/6/96

DSB FILE NO: 96-01939\SH-17



F.A.P. NO.: I-H3-1(68)

STATE PROJ. NO.:

BRIDGE NO: 4

DESIGNER: HAWAII D.O.T.

CONTRACTOR: KIEWIT PACIFIC COMPANY

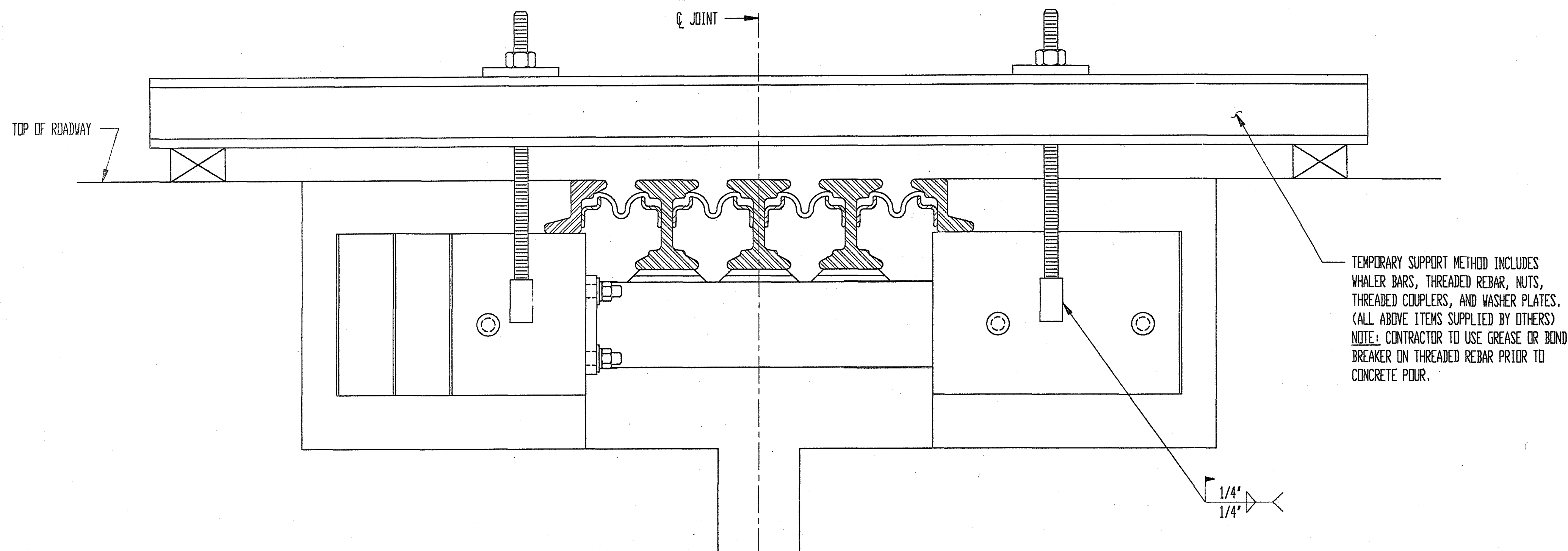
D.S. BROWN 96-01939-11685 SHEET 3 OF 7

DATE	SYM	REVISION	DR	CK

THE D.S. BROWN COMPANY, INC.
NORTH BALTIMORE, OHIO 45872-0158 U.S.A.

SCALE: 10-21-96
DATE: 10-21-96
H-3 IN HONOLULU, HI (BRIDGE #4)
LOWER HALAWA, UNIT 1 (PHASE 1B)
HAWAII

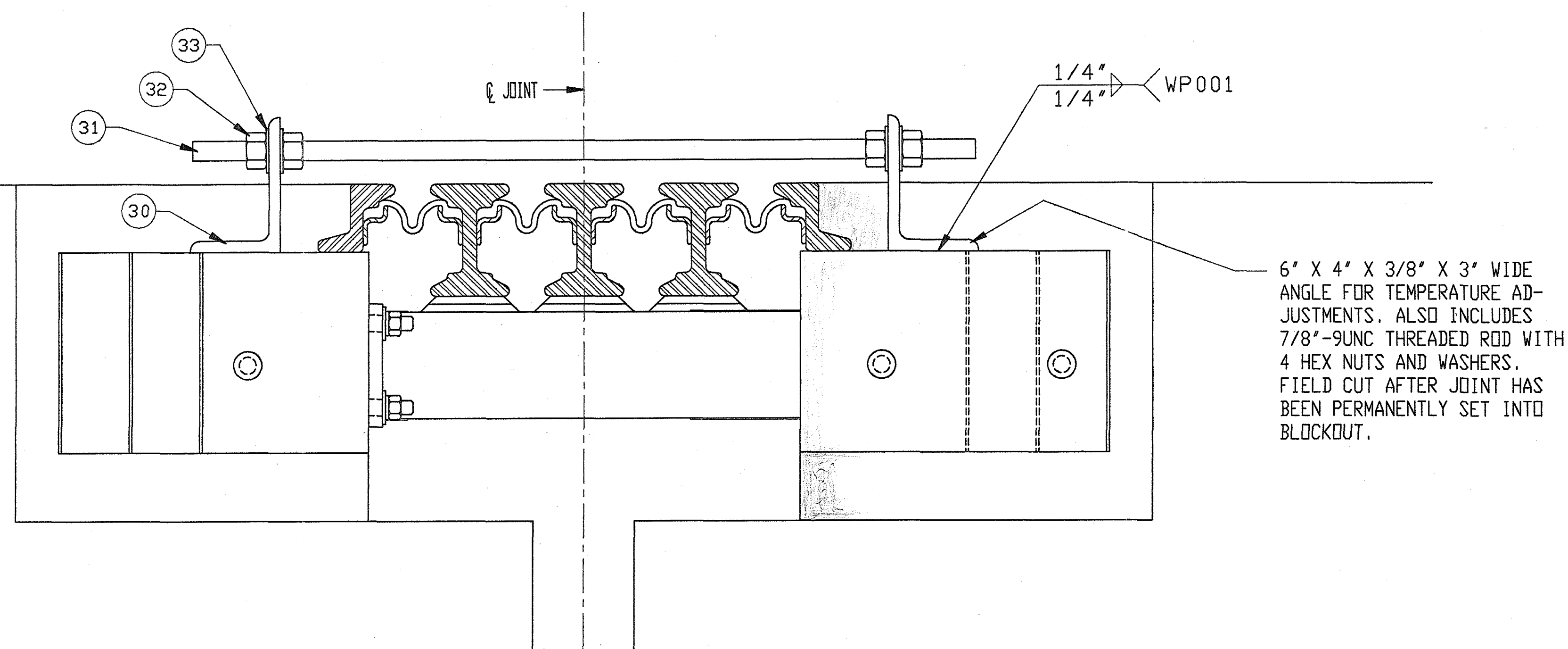
'D-320' BOXES, BARS & DETAILS
DRAWING NUMBER 96-01939-17



'D-320' TEMPORARY SUPPORT METHOD

INSTALLATION PROCEDURES

- 1) FIELD ENGINEER SHALL DETERMINE JOINT OPENING ON DAY OF INSTALLATION.
- 2) PLACE JOINT IN BLOCKOUT AND PROPERLY ALIGN BOTH HORIZONTALLY AND VERTICALLY. (JOINT MUST FOLLOW ROADWAY GRADE.)
- 3) BEND OR REMOVE CONFLICTING REBAR AS DIRECTED BY FIELD ENGINEER.
- 4) AFTER JOINT IS SECURED, REMOVE TEMPORARY ADJUSTMENT DEVICES AS DIRECTED.
- 5) CONTRACTOR TO PLACE FORMWORK SO THAT NO CONCRETE FLOWS INTO BOXES AND JOINT GAP OPENINGS.
- 6) APPLY GREASE OR BOND BREAKER TO THREADED REBAR PRIOR TO POUR. (SEE TEMPORARY SUPPORT METHOD - THIS SHEET.)
- 7) POUR AND VIBRATE CONCRETE INTO BLOCKOUT AND REMOVE FORMWORK AFTER CURE TIME, AS DETERMINED BY FIELD ENGINEER.



'D-320' TEMPERATURE ADJUSTMENT DETAIL

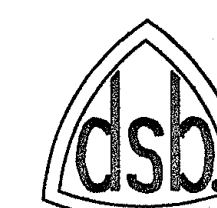
REVIEW	
☒	No Exceptions Taken
☐	Note Markings or Corrections
☐	Revise & Resubmit
☐	Comments Attached
Review is for general conformance with the design concept of the project and the Contract Documents. Markings or comments shall not be construed as relieving the Contractor from his responsibility for the proper design, construction, and maintenance of the project. The Contractor remains responsible for details and accuracy, for confirming and correlating all quantities and dimensions, for selecting fabrication processes, for techniques of assembly and construction, for coordination of the work of all trades, and for performing his work in a safe manner.	
YUJI KASAMOTO, INC.	
By: <u>FW</u>	Date: <u>12/6/96</u>

REVIEW IS BASED ON CONTRACTOR'S
PROPOSED ALTERNATIVE DESIGN,
DATED 7/22/96
COMMENTS HEREON ARE SUBJECT
TO CHANGE UPON FINAL APPROVAL
OF ALTERNATIVE DESIGN.

OFFICE COPY

☒	NO EXCEPTIONS TAKEN
☐	REMARKS
☐	MAKE CORRECTIONS NOTED
☐	REVISE AND RESUBMIT
☐	SUBMIT SPECIFIED ITEM
Checking is only for general conformance with the design concept of the project and general compliance with the Contract Documents. Markings or comments shall not be construed as relieving the Contractor from his responsibility for the proper design, construction, and maintenance of the project. The Contractor remains responsible for details and accuracy, for confirming and correlating all quantities and dimensions, for selecting fabrication processes, for techniques of assembly and construction, for coordination of the work of all trades, and for performing his work in a safe manner.	
Y. KASAMOTO, INC. - SAN FRANCISCO <u>11/19/96</u> <u>59</u>	

D.S. BROWN 96-01939-11685 SHEET 4 OF 7



F.A.P. NO.: I-H3-1(68)

STATE PROJ. NO.:

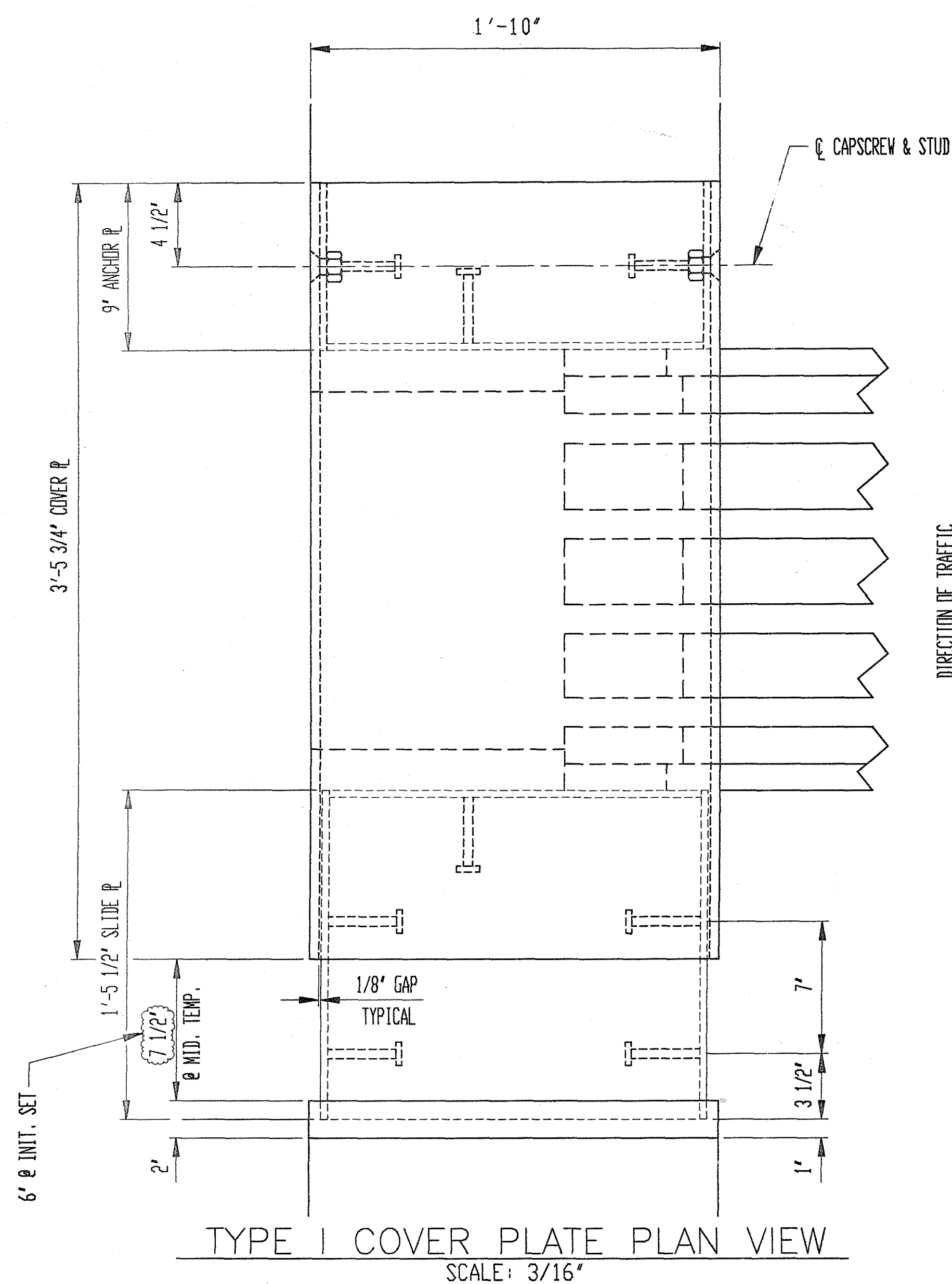
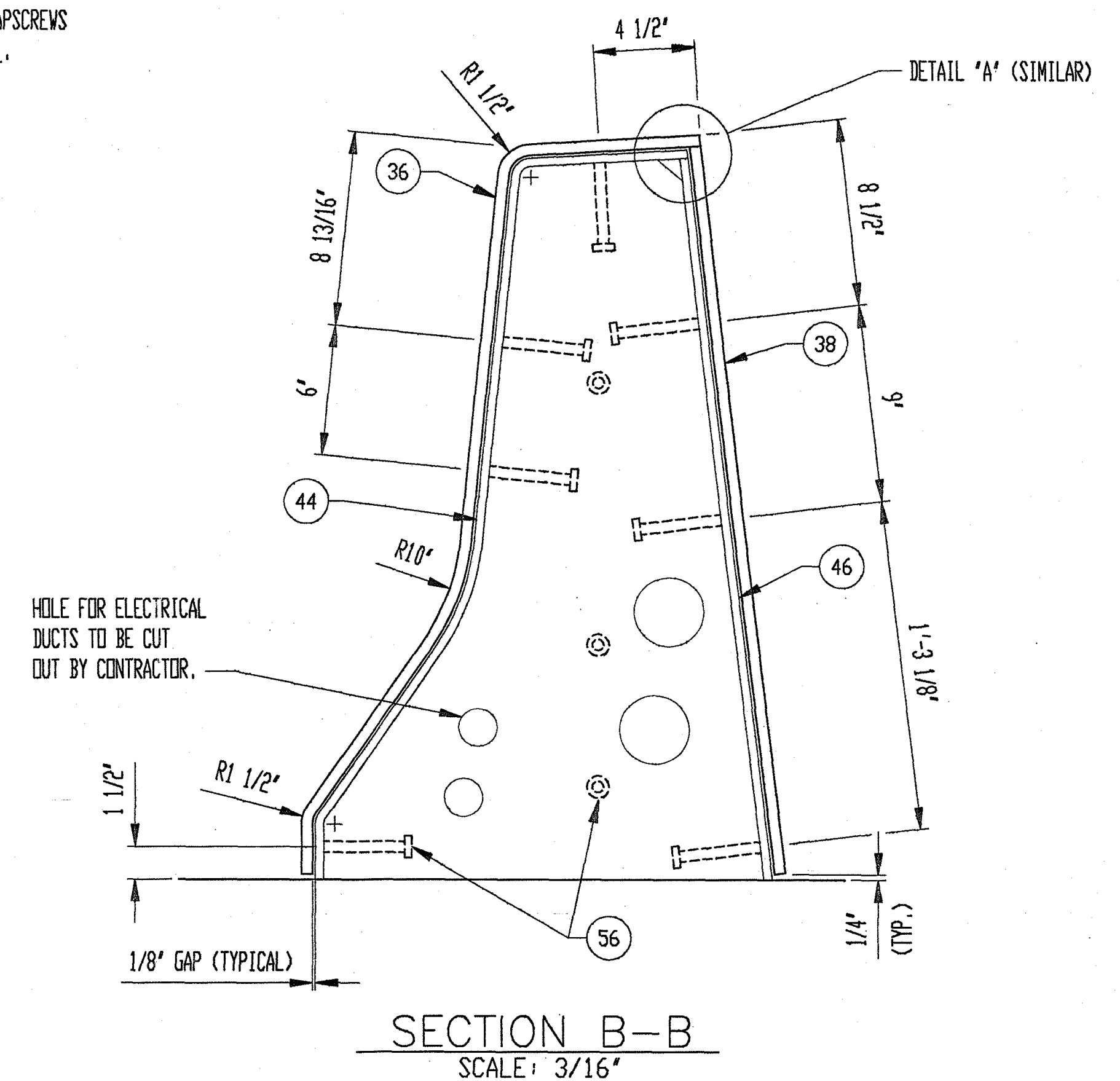
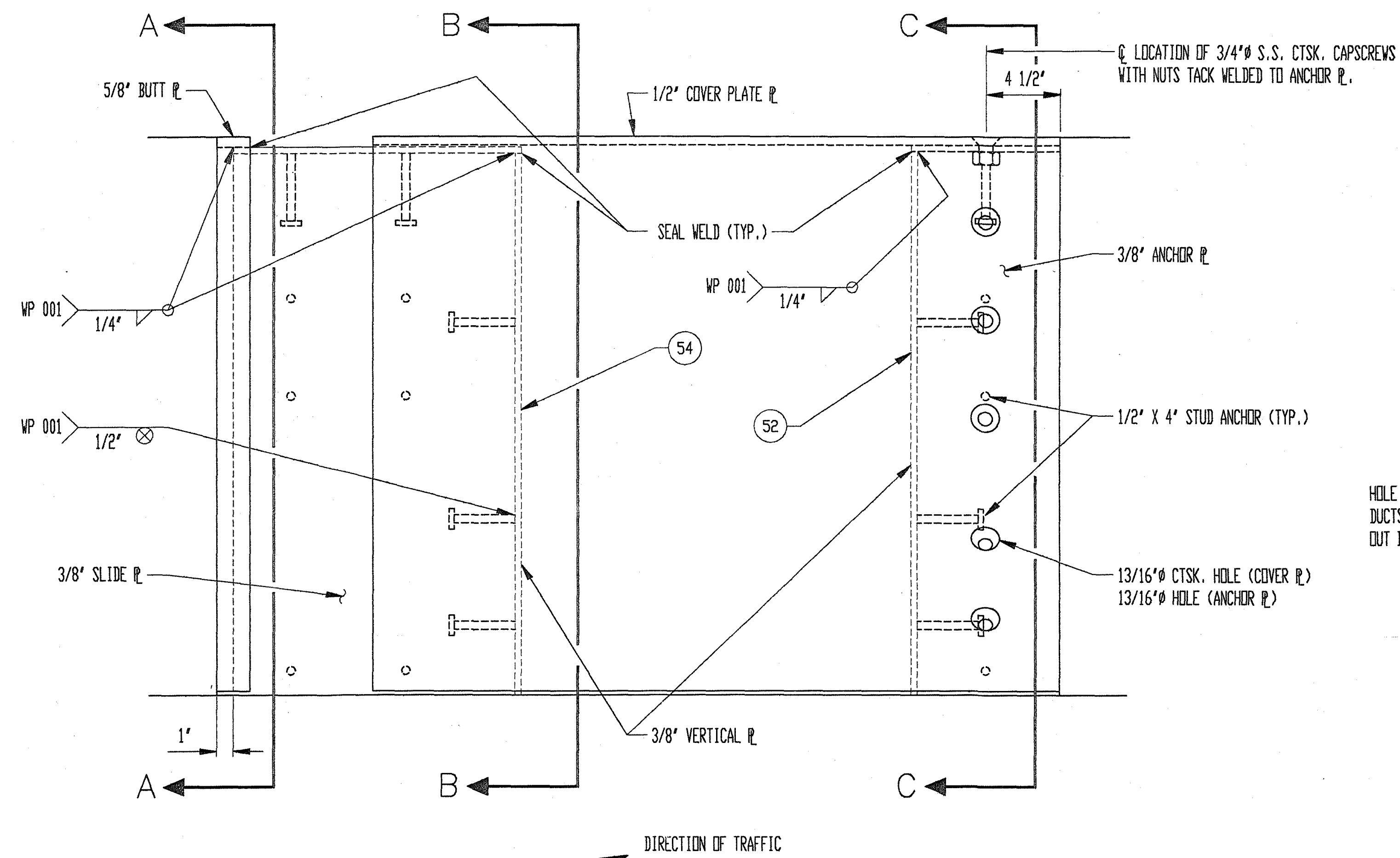
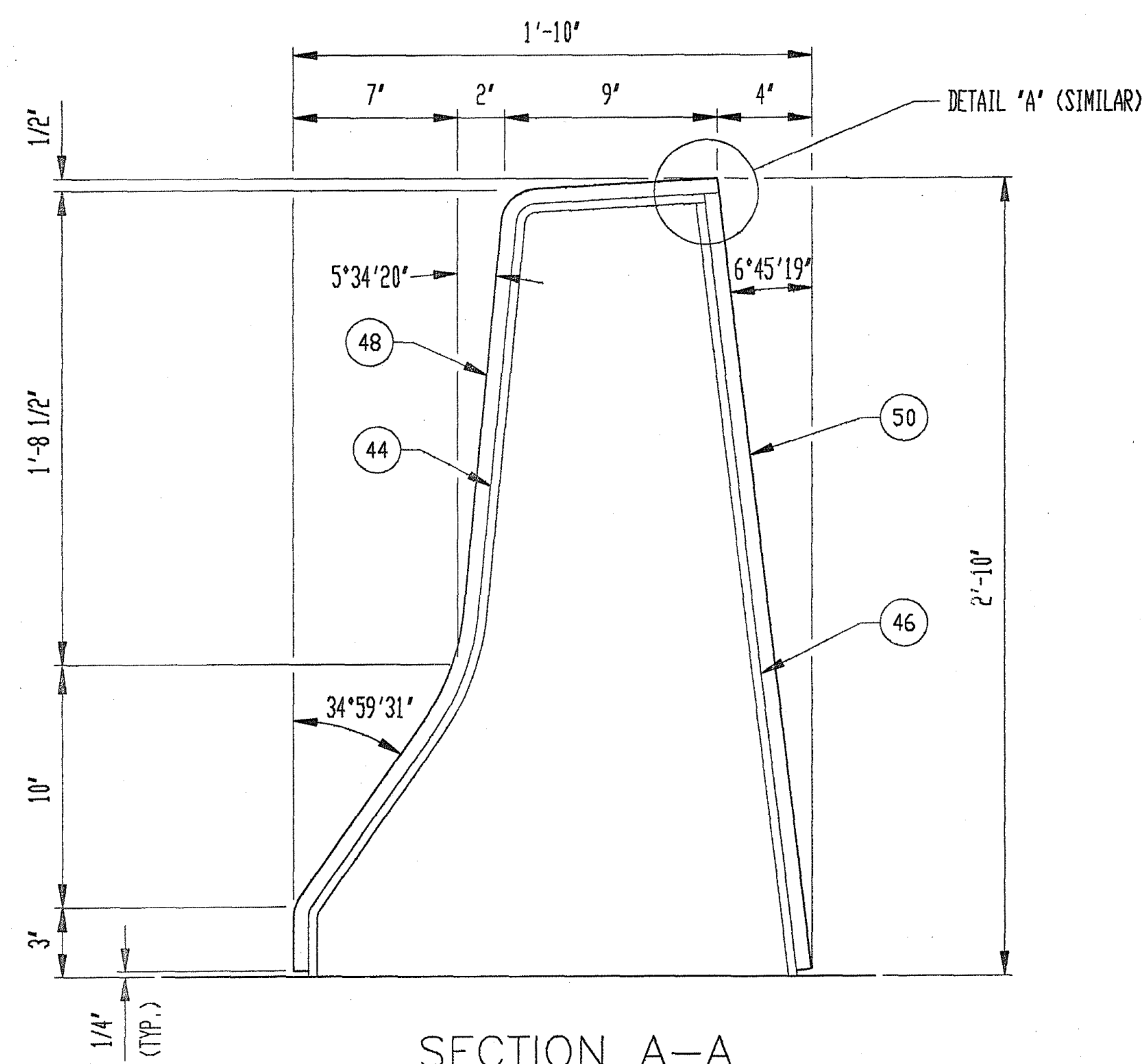
BRIDGE NO: 4

DESIGNER: HAWAII D.O.T.

CONTRACTOR: KIEWIT PACIFIC COMPANY



DATE	SYM	REVISION	DR	CK
THE D.S. BROWN COMPANY, INC. NORTH BALTIMORE, OHIO 45872-0158 U.S.A.				
SCALE:		DRAWN BY: <u>34608</u>		
DATE: <u>10-21-96</u>		H-3 IN HONOLULU, HI (BRIDGE #4)		
		LOWER HALAWA, UNIT 1 (PHASE 1B) HAWAII		
		'D-320' SECTIONS & DETAILS		
		DRAWING NUMBER 96-01939-18		



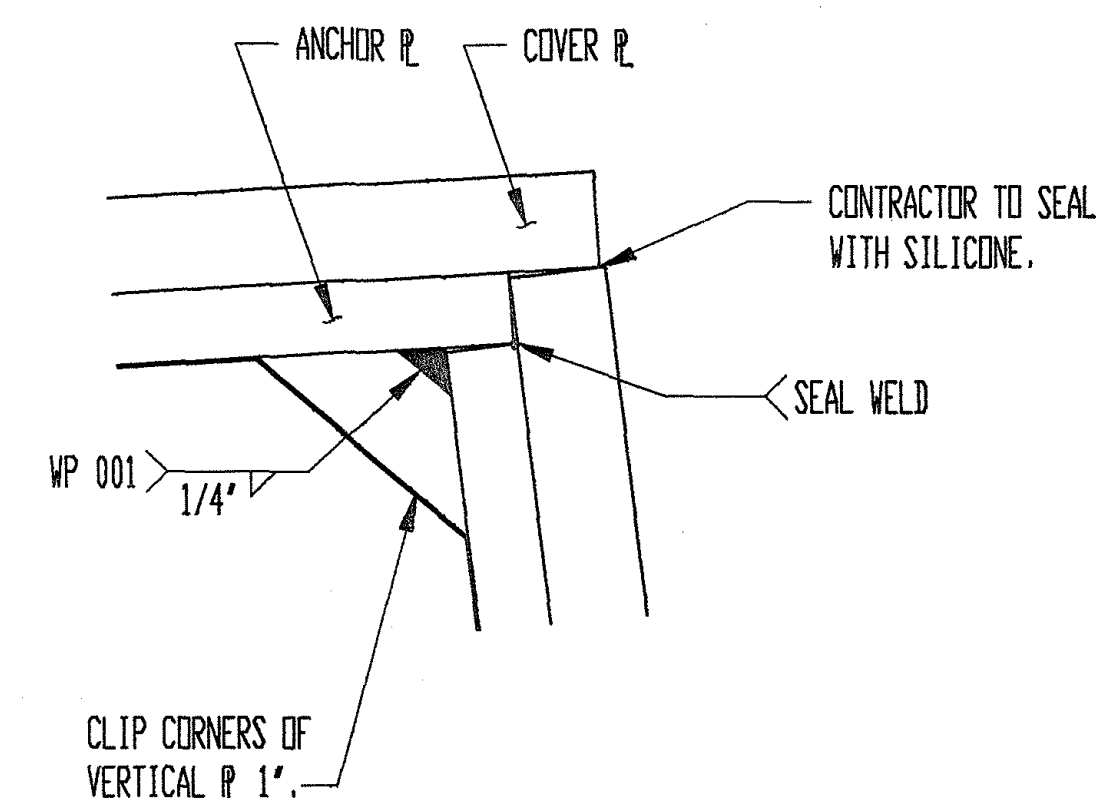
COVER PLATE NOTES

ALL PLATES SHALL BE ASTM-A36 STEEL AND GALVANIZED IN ACCORDANCE WITH ASTM-A123. (AFTER FABRICATION)

COVER PLATES SHALL BE ATTACHED USING
3/4"Ø S.S. CTSK. CAPSCREWS WITH NUTS
TACK WELDED TO ANCHOR PLATE.

A PROTECTIVE PLUG SHALL BE UTILIZED ON
BACK SIDE OF NUT TO PREVENT CONCRETE
FROM ENTERING THREADS.

COVER PLATES SHALL BE MOUNTED TOWARDS
ONCOMING TRAFFIC.



DETAIL "A"

SCALE: FULL

REVIEW	
☒	No Exceptions Taken
☐	Note Markings or Corrections
☐	Revise & Resubmit
☐	Comments Attached

☐ Review is for general comments with the design contents of the project and the Contract Documents. Plans, not at one-time, shall not be construed as relieving the Contractor from compliance with the proper Plans and specifications, nor depriving the Engineer of the Owner's ultimate responsibility for design, analysis, approval, for confirming and accepting all quantities and dimensions for selection, fabrication, processes, for techniques or assembly and construction, for compliance with the work of all trades, and for performance of his work in a safe manner.

YUJI KASAMOTO, INC.

By: FW Date: 12/6/96

REVIEW IS BASED ON CONTRACTOR'S
PROPOSED ALTERNATIVE DESIGN,
DATED 7/22/96.
COMMENTS HEREON ARE SUBJECT
TO CHANGE UPON FINAL APPROVAL
OF ALTERNATIVE DESIGN.

DSB FILE NO: 96-01939\SHT-19



F.A.P. NO.: 1-H3-1(68)

STATE PROJ. NO.:

BRIDGE NO: 4

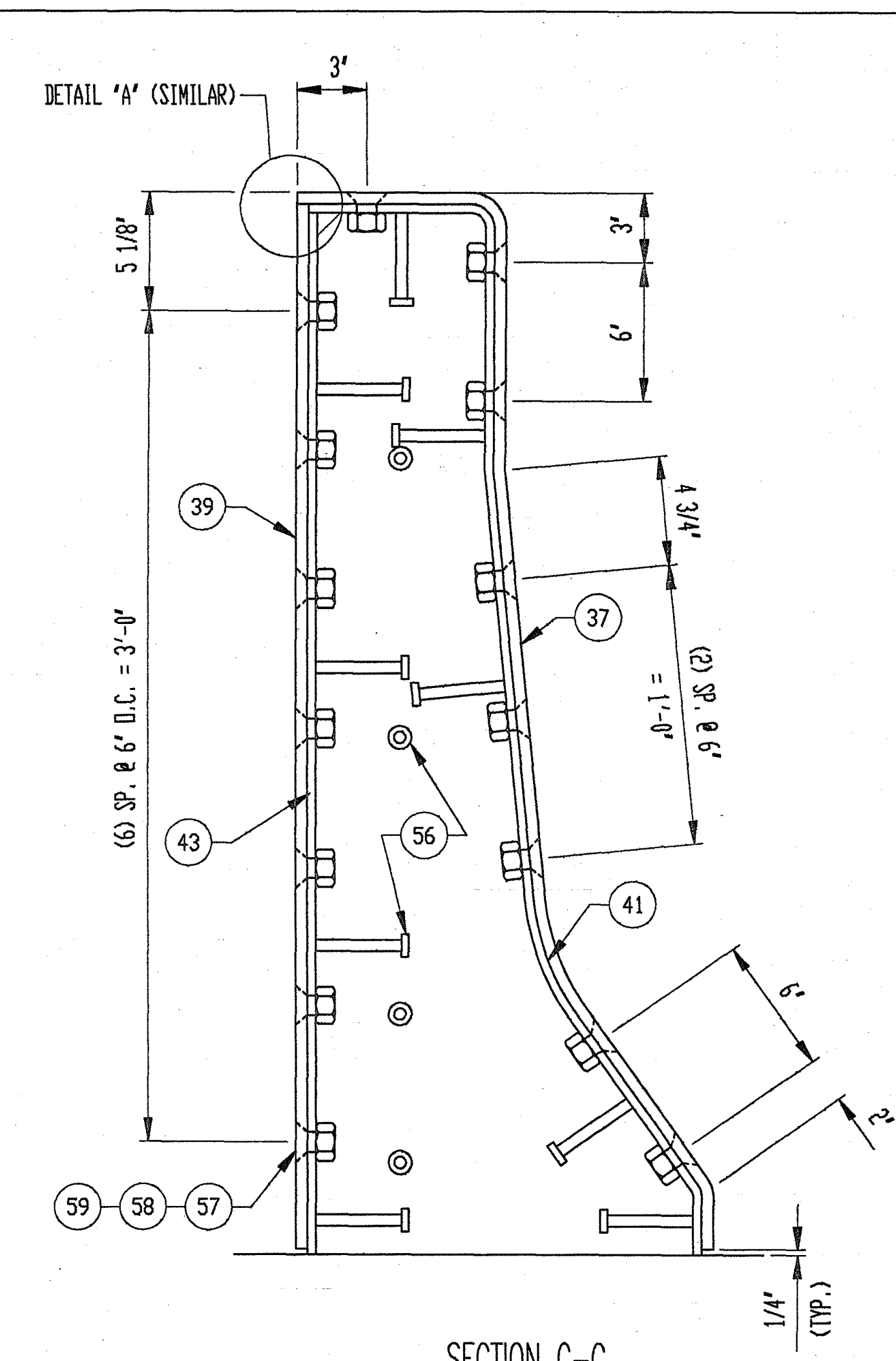
DESIGNER: HAWAII D.O.T.

CONTRACTOR: KIEWIT PACIFIC COMPANY



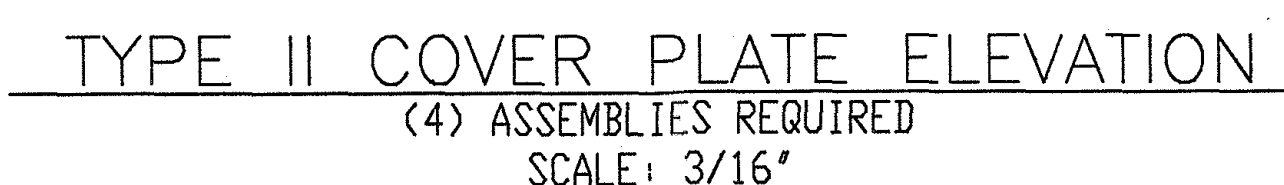
D.S. BROWN 96-01939-11685

DATE	SYM	REVISION	DR	CK
THE D.S. BROWN COMPANY, INC. NORTH BALTIMORE, OHIO 45872-0158 U.S.A.				
SCALE:			DRAWN BY <i>B. J. GIBBS</i>	
DATE:	10-21-96			
H-3 IN HONOLULU, HI (BRIDGE #4) LOWER HALAWA, UNIT 1 (PHASE 1B) HAWAII				
'D-320' COVER PLATE DETAILS			DRAWING NUMBER 96-01939-19	



SECTION B-B
SCALE: 3/16"

SECTION C-C
SCALE: 3/16"
(SEE SECTION B-B FOR STUD SPACING)

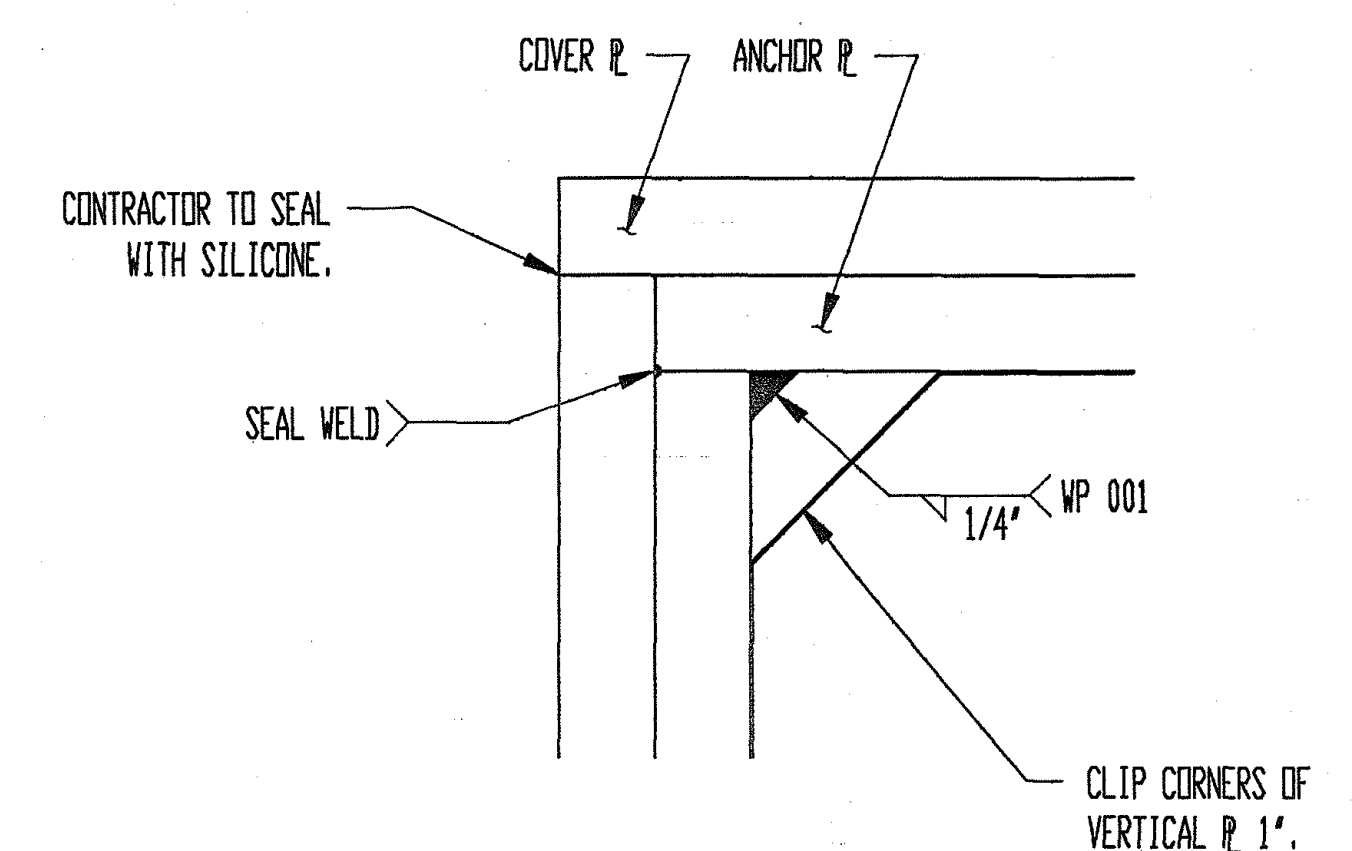


ALL PLATES SHALL BE ASTM-A36 STEEL AND GALVANIZED IN ACCORDANCE WITH ASTM-A123.
(AFTER FABRICATION)

COVER PLATES SHALL BE ATTACHED USING
3/4"Ø S.S. CTSK. CAPSCREWS WITH NUTS
TACK WELDED TO ANCHOR PLATE.

A PROTECTIVE PLUG SHALL BE UTILIZED ON
BACK SIDE OF NUT TO PREVENT CONCRETE
FROM ENTERING THREADS.

COVER PLATES SHALL BE MOUNTED TOWARDS
ONCOMING TRAFFIC.



DETAIL "A"

SCALE: FULL

REVIEW

☒ No Exceptions Taken
☐ Note Markings or Corrections
☐ Revise & Resubmit
☐ Comments Attached

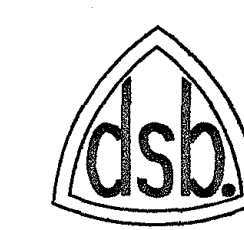
Review is for general conformance with the design concept of the project and the Contract Documents. Markings or comments shall not be construed as relieving the Contractor from complying with the proper plans and specifications, nor does it constitute an approval by the reviewer responsible for details and accuracy, for confirming and correlating all quantities and dimensions, for selecting the proper materials, for techniques of assembly and construction, for coordination at all times, and for performing his work in a safe manner.

YUJI KASAMOTO, INC.

By: F.W. Date: 12/6/96

REVIEW IS BASED ON CONTRACTOR'S
PROPOSED ALTERNATIVE DESIGN,
DATED 7/22/96.
COMMENTS HEREON ARE SUBJECT
TO CHANGE UPON FINAL APPROVAL
OF ALTERNATIVE DESIGN.

DSB FILE NO: 96-01939\SHT-20



F.A.P. NO.: 1-H3-1(68)

STATE PROJ. NO.:

BRIDGE NO: 4

DESIGNER: HAWAII D.O.T.

CONTRACTOR: KIEWIT PACIFIC

CONTRACTOR: KIEWIT PACIFIC COMPANY



D.S. BROWN 96-01939-11685 SHEET 6 OF 7

DATE	SYM	REVISION	DR	CK
THE D.S. BROWN COMPANY, INC. NORTH BALTIMORE, OHIO 45672-0158 U.S.A.				
SCALE:		DRAWN BY: <i>WAB/CR</i>		
DATE: 10-21-96				
H-3 IN HONOLULU, HI (BRIDGE #4) LOWER HALAWA, UNIT 1 (PHASE 1B) HAWAII				
'D-320' COVER PLATE DETAILS			DRAWING NUMBER 96-01939-20	

ITEM NO.	PART NO.	DESCRIPTION	LENGTH		MATL	FINISH	REMARKS	TOTAL
			FEET	INCHES				
1	MOD-EB-G	EDGE BEAM	38	7	A588	A123	UPTURN CUT BOTH ENDS	8
2	MOD-EB-G	EDGE BEAM	0	10 1/4	A588	A123	UPTURN PIECE RH	8
3	MOD-EB-G	EDGE BEAM	0	10 1/4	A588	A123	UPTURN PIECE LH	8
4	MOD-CB-G	CENTER BEAM	38	8 5/8	A588	A123	UPTURN CUT BOTH ENDS	12
5	MOD-CB-G	CENTER BEAM	0	11 1/16	A588	A123	UPTURN PIECE	24
6	MOD-CLIP-G	SEAL CLIP	.	.	A588	A123	WELDED TO CENTER & EDGE BEAMS	1286'
7	RD58-A36G	5/8"Ø ROUND BAR	2	0	A36	A123	LOOP ANCHOR	160
8	SD34X4G	3/4"Ø X 4" STUD ANCHOR	0	4	A108	A123	WELDED TO SUPPORT BOXES	168
9	MOD-TUBE-G	7" X 9" X 3/8" TUBE	0	7 3/8	A500	A123	SHORT SUPPORT BOX	56
10	MOD-TUBE-G	7" X 9" X 3/8" TUBE	0	10 1/2	A500	A123	MIDDLE SUPPORT BOX	56
11	MOD-TUBE-G	7" X 9" X 3/8" TUBE	1	1 5/8	A500	A123	LONG SUPPORT BOX	56
12	MOD-PIPE-G	1" SQUARE TUBING	0	1 1/2	A513	A123	SUPPORT BOX ITEM	112
13	MOD-CAP-16GA	16 GA. X 6 5/8" PLATE	0	8 5/8	A36	A123	SUPPORT BOX END CAP	168
14	F1.75X4.75-A588G	1 3/4" X 4 3/4" BAR	2	7 7/8	A588	A123	OUTER SUPPORT BAR	56
15	F1.75X4.75-A588G	1 3/4" X 4 3/4" BAR	2	7 7/8	A588	A123	INNER SUPPORT BAR	28
16	PL16GA-SS	16 GA. X 2 3/8" SHIM	0	6 1/2	A240	2b	TYPE 304	112
17	PL16GA-SS	16 GA. X 2 3/8" SHIM	0	9 5/8	A240	2b	TYPE 304	112
18	PL16GA-SS	16 GA. X 2 3/8" SHIM	1	0 3/4	A240	2b	TYPE 304	112
19	F58X2.5-A36G	5/8" X 2 1/2" FLAT BAR	0	3	A36	A123	EXTERIOR SPRING STOP	56
20	F58X2.5-A36G	5/8" X 2 1/2" FLAT BAR	0	3 1/2	A36	A123	INTERIOR SPRING STOP	112
21	F12X12-A588G	1/2" X 1 1/2" FLAT BAR	0	4 3/8	A588	A123	CONNECTS CENTER BEAM TO SUPPORT BAR	84
22	F58X3.25-A36G	5/8" X 3 1/4" FLAT BAR	0	5 1/2	A36	A123	REMOVABLE PLATE	56
23	BL58X3.5-A307G	5/8"-11UNC SQUARE HEAD BOLT	0	3 1/2	A307	B695	REMOVABLE PLATE ITEM	112
24	NT58G	5/8"-11UNC HEX NUT	.	.	A563	B695	REMOVABLE PLATE ITEM	112
25	FWA58G	5/8" I.D. FLAT WASHER	.	.	F844	A153	REMOVABLE PLATE ITEM	112
26	LWA58G	5/8" I.D. LOCK WASHER	.	.	F463	A153	REMOVABLE PLATE ITEM	112
27	MA-91	CONTROL SPRING (COMPLETE PART)	.	.	.	.		112
28	MA-80	PRECOMPRESSED SPRING	.	.	.	.		168
29	MA-81	SLIDE BEARING	.	.	.	.		168
30	L6X4X38	6" X 4" X 3/8" ANGLE	0	3	.	.	TEMPERATURE ADJUSTMENT ITEM	56
31	TR78X34	7/8"-9UNC THREADED STUD	2	10	.	.	TEMPERATURE ADJUSTMENT ITEM	28
32	NT78	7/8"-9UNC HEX NUT	.	.	.	.	TEMPERATURE ADJUSTMENT ITEM	112
33	FWA78	7/8" I.D. FLAT WASHER	.	.	.	.	TEMPERATURE ADJUSTMENT ITEM	112
34	NX-77	LUBRICANT/ADHESIVE	.	.	.	.	GALLONS	4
35	MOD-SEAL	MODULAR JOINT STRIP SEAL	40	0	.	.	640' TOTAL	16
36	PL12-A36G	1/2" X 3'-5 3/4" PLATE	3	7 1/8	A36	A123	TYPE I COVER PLATE FRONT	4
37	PL12-A36G	1/2" X 3'-5 3/4" PLATE	4	7 3/8	A36	A123	TYPE II COVER PLATE FRONT	4
38	PL12-A36G	1/2" X 3'-5 3/4" PLATE	2	9 7/16	A36	A123	TYPE I COVER PLATE BACK	4
39	PL12-A36G	1/2" X 3'-5 3/4" PLATE	3	9 1/4	A36	A123	TYPE II COVER PLATE BACK	4
40	PL38-A36G	3/8" X 9" PLATE	3	6 3/16	A36	A123	TYPE I ANCHOR PLATE FRONT	4
41	PL38-A36G	3/8" X 9" PLATE	4	6 7/16	A36	A123	TYPE II ANCHOR PLATE FRONT	4
42	PL38-A36G	3/8" X 9" PLATE	2	9 5/16	A36	A123	TYPE I ANCHOR PLATE BACK	4
43	PL38-A36G	3/8" X 9" PLATE	3	9 1/8	A36	A123	TYPE II ANCHOR PLATE BACK	4
44	PL38-A36G	3/8" X 1'-5 1/2" PLATE	3	5 15/16	A36	A123	TYPE I SLIDE PLATE FRONT	4
45	PL38-A36G	3/8" X 1'-5 1/2" PLATE	4	6 1/8	A36	A123	TYPE II SLIDE PLATE FRONT	4
46	PL38-A36G	3/8" X 1'-5 1/2" PLATE	2	9 3/16	A36	A123	TYPE I SLIDE PLATE BACK	4
47	PL38-A36G	3/8" X 1'-5 1/2" PLATE	3	9	A36	A123	TYPE II SLIDE PLATE BACK	4
48	F58X2.0-A36G	5/8" X 2" FLAT BAR	3	6 7/8	A36	A123	TYPE I BUTT PLATE FRONT	4
49	F58X2.0-A36G	5/8" X 2" FLAT BAR	4	7 1/4	A36	A123	TYPE II BUTT PLATE FRONT	4
50	F58X2.0-A36G	5/8" X 2" FLAT BAR	2	9 5/16	A36	A123	TYPE I BUTT PLATE BACK	4
51	F58X2.0-A36G	5/8" X 2" FLAT BAR	3	9 1/8	A36	A123	TYPE II BUTT PLATE BACK	4
52	PL38-A36G	3/8" X 1'-8 1/4" PLATE	2	9 1/16	A36	A123	TYPE I VERTICAL P. UNDER ANCHOR P.	4
53	PL38-A36G	3/8" X 1'-4 1/4" PLATE	3	9 1/8	A36	A123	TYPE II VERTICAL P. UNDER ANCHOR P.	4
54	PL38-A36G	3/8" X 1'-8" PLATE	2	8 15/16	A36	A123	TYPE I VERTICAL P. UNDER SLIDE P.	4
55	PL38-A36G	3/8" X 1'-4" PLATE	3	9	A36	A123	TYPE II VERTICAL P. UNDER SLIDE P.	4
56	SD12X4G	1/2"Ø X 4" STUD ANCHOR	0	4	A108	A123	COVER PLATE ANCHORAGE	248
57	ACK34-1.625SS	3/4"-10UNC S.S. CTSK. SLOTTED FLATHEAD CAPSCREW	0	1 5/8	F593	GROUP 1	COVER PLATE ANCHORAGE	104
58	NT34G	3/4" -10UNC HEX NUT	.	.	A563	B695	COVER PLATE ANCHORAGE	104
59	NX-49	PLASTIC END CAP	.	.	.	.	APPLIED TO BACK SIDE OF NUT	104

QUANTITIES INDICATED ARE FOR (4) 'D-320' JOINTS.

GENERAL NOTES

EDGE BEAMS, CENTER BEAMS AND SUPPORT BARS SHALL BE ASTM-A588 STEEL.

SUPPORT BOXES SHALL BE ASTM-A500 STEEL.

STAINLESS STEEL SLIDING SURFACES SHALL BE ASTM-A240, TYPE 304, WITH A 2b FINISH.

STUD ANCHORS SHALL BE ASTM-A108 STEEL AND AUTOMATICALLY END WELDED.

ALL STEEL IN THE EXPANSION JOINT DEVICES SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM-A123.

MODULAR JOINTS SHALL BE EQUIPPED WITH TEMPERATURE ADJUSTMENT DEVICES TO ALLOW FOR ADJUSTMENTS PER FIELD ENGINEERS RECOMMENDATIONS.

ALL STEEL SURFACES IN CONTACT WITH THE NEOPRENE SEAL SHALL BE CLEANED PRIOR TO THE INSTALLATION OF THE STRIP SEAL.

CARE SHALL BE TAKEN TO PREVENT DAMAGE DURING MOVING AND SHIPPING OF JOINTS.

MODULAR JOINTS SHALL FOLLOW ROADWAY SLOPE AND GRADE.

A D.S. BROWN REP. SHALL BE PRESENT DURING INSTALLATION OF THE MODULAR JOINTS.

MODULAR JOINTS SHALL BE MARKED SHOWING JOINT TYPE AND PROPER LOCATION. MARKINGS SHALL BE VISIBLE AFTER JOINTS HAVE BEEN COMPLETELY INSTALLED.

REVIEW	
☒ No Exceptions Taken	
☐ Note Markings or Corrections	
☐ Revise & Resubmit	
☐ Comments Attached	
Review is for general concurrence with the design concept of the project and the Contract Documents. Markings or corrections shall not be construed as relieving the Contractor from compliance with the project plans and specifications. Contractor is responsible for dimensions, materials, workmanship, and construction. For coordination of the work with that of all other trades, and for performing his work in a safe manner.	
YUJI KASAMOTO, INC.	
By: <i>FVH</i>	Date: <i>12/6/96</i>

REVIEW IS BASED ON CONTRACTOR'S PROPOSED ALTERNATIVE DESIGN, DATED *7/22/96*. COMMENTS HEREON ARE SUBJECT TO CHANGE UPON FINAL APPROVAL OF ALTERNATIVE DESIGN.

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☒ NO EXCEPTION TAKEN
☐ HAVE CORRECTIONS NOTED
☐ REVISE AND RESUBMIT
☐ SUBMIT SPECIFIED ITEM
Checking is only for general concurrence with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for dimensions, materials, workmanship, and construction. For coordination of the work with that of all other trades, and for performing his work in a safe manner.
Date: <i>11/19/96</i> by <i>SG</i>

D.S. BROWN 96-01939-11685 SHEET 7 OF 7

 F.A.P. NO.: I-H3-1(68) STATE PROJ. NO.: BRIDGE NO: 4 DESIGNER: HAWAII D.O.T. CONTRACTOR: KIEWIT PACIFIC COMPANY	 THE D.S. BROWN COMPANY, INC. NORTH BALTIMORE, OHIO 45872-0158 U.S.A. SCALE: 10-21-96 H-3 IN HONOLULU, HI (BRIDGE #4) LOWER HALAWA, UNIT 1 (PHASE 1B) B.O.M. & GENERAL NOTES	DATE	SYM	REVISION	DR	CK
DRAWN BY: <i>SG</i>		DRAWING NUMBER: 96-01939-21				