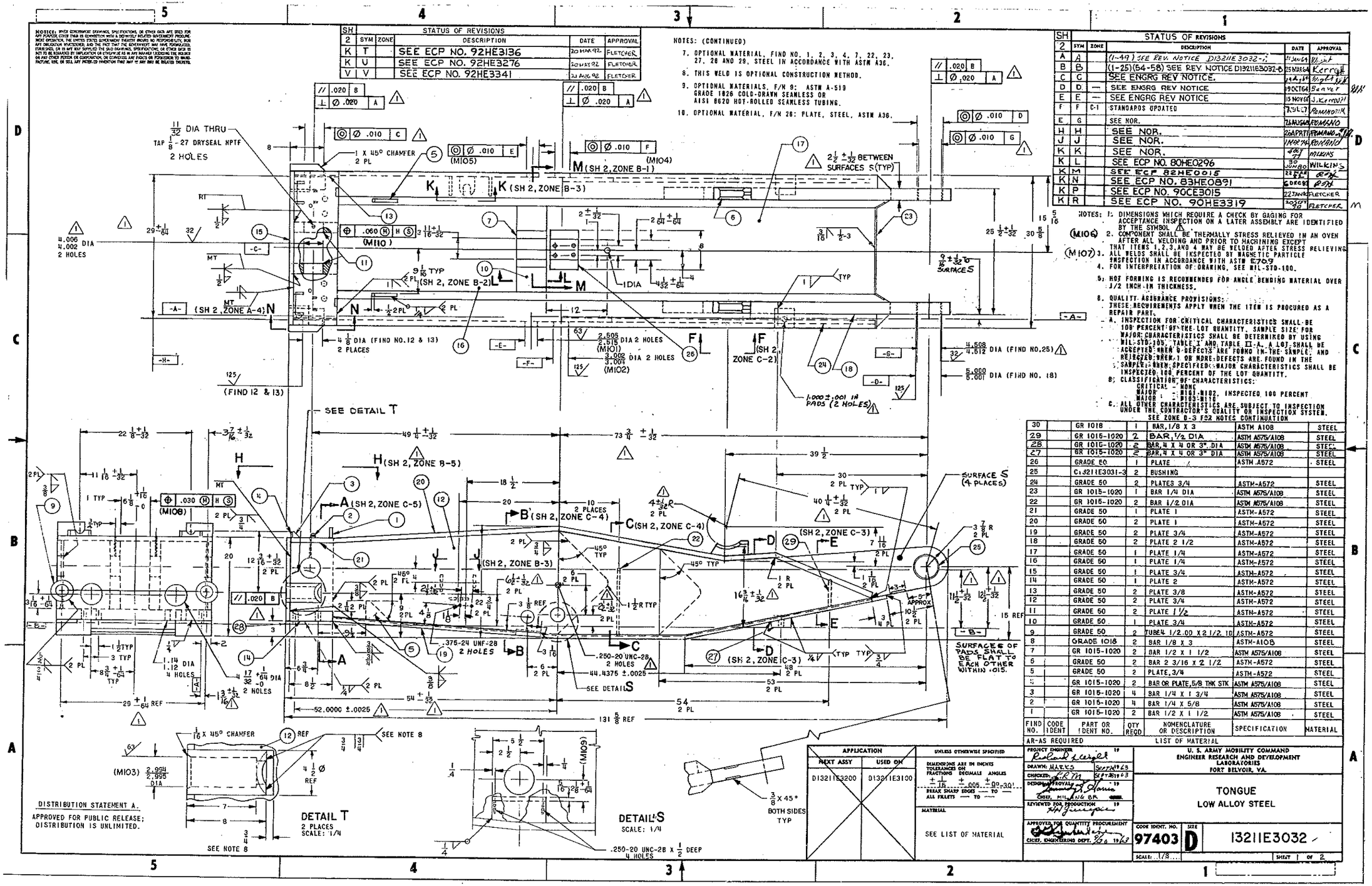


SH 2	SYM	ZONE	STATUS OF REVISIONS DESCRIPTION	DATE	APPROVAL
K	T		SEE ECP NO. 92HE3136	20 MAR 92	FLETCHER
K	U		SEE ECP NO. 92HE3276	30 APR 92	FLETCHER
V	V		SEE ECP NO. 92HE3341	24 AUG 92	FLETCHER

NOTES: (CONTINUED)

7. OPTIONAL MATERIAL, FIND NO. 1, 2, 3, 4, 7, 22, 23, 27, 28 AND 29, STEEL IN ACCORDANCE WITH ASTM A36.
8. THIS WELD IS OPTIONAL CONSTRUCTION METHOD.
9. OPTIONAL MATERIALS, F/N 9: ASTM A-519 GRADE 1026 COLD-DRAWN SEAMLESS OR AISI 8620 HOT-ROLLED SEAMLESS TUBING.
10. OPTIONAL MATERIAL, F/N 26: PLATE, STEEL, ASTM A36.

SH 2	SYM	ZONE	STATUS OF REVISIONS DESCRIPTION	DATE	APPROVAL
A	A		(1-49) SEE REV. NOTICE D13211E3032-;	21 JAN 64	Wright
B	B		(1-25)(54-58) SEE REV. NOTICE D13211E3032-B	25 MAR 64	Kerry
C	C		SEE ENGRG REV NOTICE.	24 APR 64	Wright
D	D	—	SEE ENGRG REV NOTICE	19 OCT 64	Beaver
E	E	—	SEE ENGRG REV NOTICE	15 NOV 66	J. Kermott
F	F	C-1	STANDARDS UPDATED	7 JUL 67	Romanowski
E	G		SEE NOR.	26 AUG 68	Romano
H	H		SEE NOR.	22 APR 71	Romano
J	J		SEE NOR.	1 MAR 74	Robinson
K	K		SEE NOR.	4 OCT 77	Wilkins
K	L		SEE ECP NO. 80HE0296	30 JUN 80	Wilkins
K	M		SEE ECP 82HE0015	28 OCT	[illegible]
K	N		SEE ECP NO. 83HE0891	6 DEC 83	[illegible]
K	P		SEE ECP NO. 90CE3015	23 JAN 90	FLETCHER
K	R		SEE ECP NO. 90HE3319	20 SEP 90	FLETCHER

NOTES: 1. DIMENSIONS WHICH REQUIRE A CHECK BY GAGING FOR ACCEPTANCE INSPECTION ON A LATER ASSEMBLY ARE IDENTIFIED BY THE SYMBOL △.

(M106) 2. COMPONENT SHALL BE THERMALLY STRESS RELIEVED IN AN OVEN AFTER ALL WELDING AND PRIOR TO MACHINING EXCEPT THAT ITEMS 1, 2, 3, AND 4 MAY BE WELDED AFTER STRESS RELIEVING.

(M107) 3. ALL WELDS SHALL BE INSPECTED BY MAGNETIC PARTICLE INSPECTION IN ACCORDANCE WITH ASTM E709.

4. FOR INTERPRETATION OF DRAWING, SEE MIL-STD-100.

5. HOT FORMING IS RECOMMENDED FOR ANGLE BENDING MATERIAL OVER 1/2 INCH IN THICKNESS.

6. QUALITY ASSURANCE PROVISIONS:
THESE REQUIREMENTS APPLY WHEN THE ITEM IS PROCURED AS A REPAIR PART.
A. INSPECTION FOR CRITICAL CHARACTERISTICS SHALL BE 100 PERCENT OF THE LOT QUANTITY. SAMPLE SIZE FOR MAJOR CHARACTERISTICS SHALL BE DETERMINED BY USING MIL-STD-105, TABLE I AND TABLE II-A. A LOT SHALL BE ACCEPTED WHEN 0 DEFECTS ARE FOUND IN THE SAMPLE, AND REJECTED WHEN 1 OR MORE DEFECTS ARE FOUND IN THE SAMPLE. WHEN SPECIFIED, MAJOR CHARACTERISTICS SHALL BE INSPECTED 100 PERCENT OF THE LOT QUANTITY.
B. CLASSIFICATION OF CHARACTERISTICS:
CRITICAL - NONE
MAJOR - M102, INSPECTED 100 PERCENT
MAJOR - M103-M110
C. ALL OTHER CHARACTERISTICS ARE SUBJECT TO INSPECTION UNDER THE CONTRACTOR'S QUALITY OR INSPECTION SYSTEM.
SEE ZONE D-3 FOR NOTES CONTINUATION

FIND NO.	CODE IDENT	PART OR IDENT NO.	QTY REQD	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	MATERIAL
30		GR 1018	1	BAR, 1/8 X 3	ASTM A108	STEEL
29		GR 1015-1020	2	BAR, 1/2 DIA	ASTM A575/A108	STEEL
28		GR 1015-1020	2	BAR, 4 X 4 OR 3" DIA	ASTM A575/A108	STEEL
27		GR 1015-1020	2	BAR, 4 X 4 OR 3" DIA	ASTM A575/A108	STEEL
26		GRADE 50	1	PLATE	ASTM A572	STEEL
25		C13211E3031-3	2	BUSHING		
24		GRADE 50	2	PLATES 3/4	ASTM-A572	STEEL
23		GR 1015-1020	1	BAR 1/4 DIA	ASTM A575/A108	STEEL
22		GR 1015-1020	2	BAR 1/2 DIA	ASTM A575/A108	STEEL
21		GRADE 50	1	PLATE 1	ASTM-A572	STEEL
20		GRADE 50	2	PLATE 1	ASTM-A572	STEEL
19		GRADE 50	2	PLATE 3/4	ASTM-A572	STEEL
18		GRADE 50	2	PLATE 2 1/2	ASTM-A572	STEEL
17		GRADE 50	1	PLATE 1/4	ASTM-A572	STEEL
16		GRADE 50	1	PLATE 1/4	ASTM-A572	STEEL
15		GRADE 50	1	PLATE 3/4	ASTM-A572	STEEL
14		GRADE 50	1	PLATE 2	ASTM-A572	STEEL
13		GRADE 50	2	PLATE 3/8	ASTM-A572	STEEL
12		GRADE 50	2	PLATE 3/4	ASTM-A572	STEEL
11		GRADE 50	2	PLATE 1 1/2	ASTM-A572	STEEL
10		GRADE 50	1	PLATE 3/4	ASTM-A572	STEEL
9		GRADE 50	2	TUBE 4 1/2.00 X 2 1/2 ID	ASTM-A572	STEEL
8		GRADE 1018	2	BAR 1/8 X 3	ASTM-A108	STEEL
7		GR 1015-1020	2	BAR 1/2 X 1 1/2	ASTM A575/A108	STEEL
6		GRADE 50	2	BAR 2 3/16 X 2 1/2	ASTM-A572	STEEL
5		GRADE 50	2	PLATE, 3/4	ASTM-A572	STEEL
4		GR 1015-1020	2	BAR OR PLATE, 5/8 THK STK	ASTM A575/A108	STEEL
3		GR 1015-1020	4	BAR 1/4 X 1 3/4	ASTM A575/A108	STEEL
2		GR 1015-1020	4	BAR 1/4 X 5/8	ASTM A575/A108	STEEL
1		GR 1015-1020	2	BAR 1/2 X 1 1/2	ASTM A575/A108	STEEL

AR-AS REQUIRED — LIST OF MATERIAL

APPLICATION NEXT ASSY	USED ON
D13211E3200	D13211E3100

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± 1/16 DECIMALS ± .005 ANGLES ± 00-30'
BREAK SHARP EDGES — TO —
ALL FILLETS — TO —

MATERIAL
SEE LIST OF MATERIAL

PROJECT ENGINEER 19
DRAWN: MAY 63
CHECKED: SEPT 1963
DESIGN APPROVAL 19
CHIEF, MILENG BR
REVIEWED FOR PRODUCTION 19
APPROVED FOR QUANTITY PROCUREMENT
CHIEF, ENGINEERING DEPT. 19

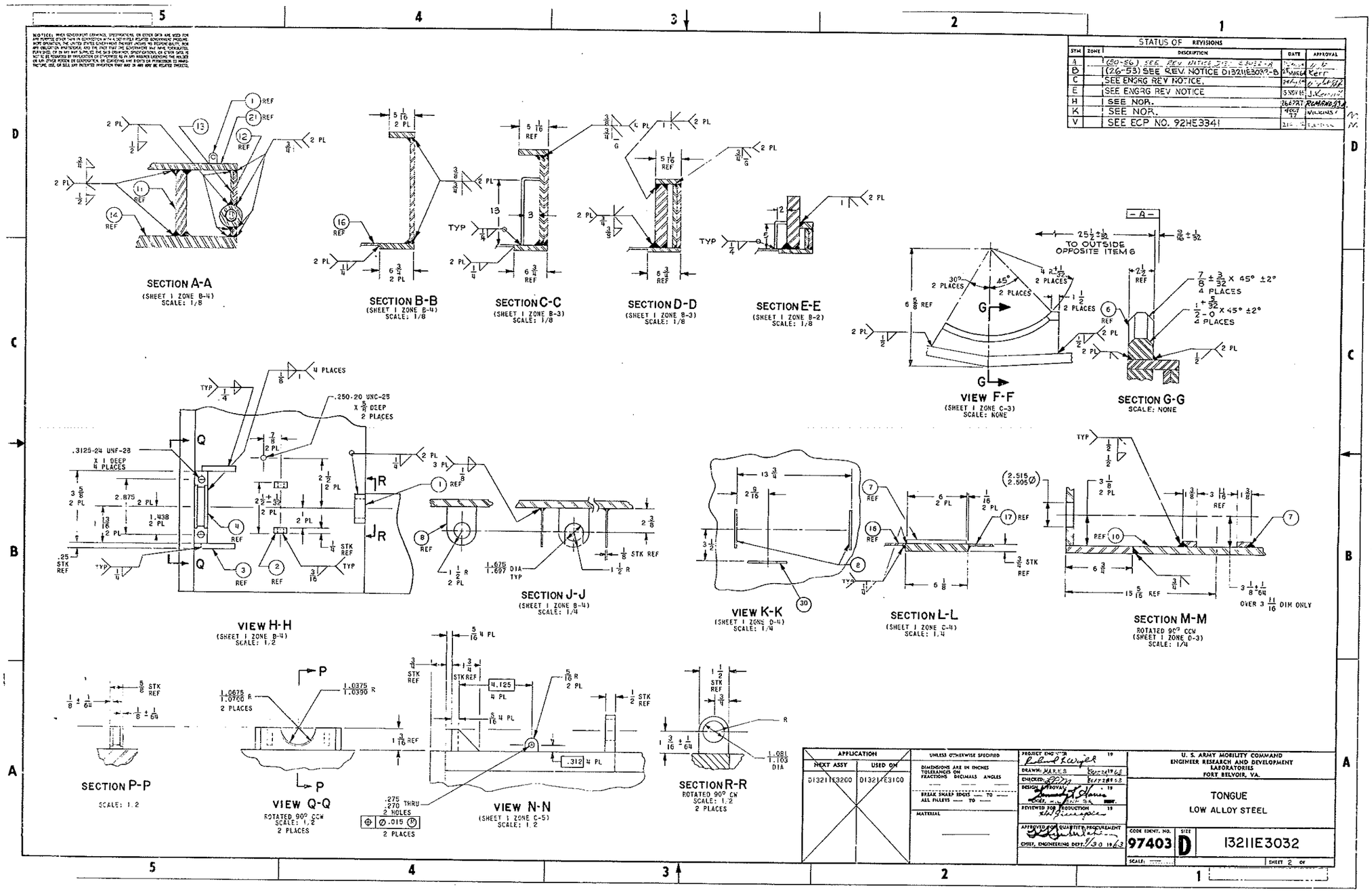
U. S. ARMY MOBILITY COMMAND
ENGINEER RESEARCH AND DEVELOPMENT LABORATORIES
FORT BELVOIR, VA.

TONGUE
LOW ALLOY STEEL

CODE IDENT. NO. 97403 | SIZE D | 13211E3032

SCALE: 1/8 | SHEET 1 OF 2

Attachment C



STATUS OF REVISIONS
SYM | ZONE | DESCRIPTION | DATE | APPROVAL
A | (50-56) SEE REV NOTICE D13211E3032-A
B | (26-53) SEE REV. NOTICE D13211E3032-B
C | SEE ENGRG REV NOTICE.
E | SEE ENGRG REV NOTICE
H | SEE NOR.
K | SEE NOR.
V | SEE ECP NO. 92HE3341
SECTION A-A
(SHEET 1 ZONE B-4)
SCALE: 1/8
SECTION B-B
(SHEET 1 ZONE B-4)
SCALE: 1/8
SECTION C-C
(SHEET 1 ZONE B-3)
SCALE: 1/8
SECTION D-D
(SHEET 1 ZONE B-3)
SCALE: 1/8
SECTION E-E
(SHEET 1 ZONE B-2)
SCALE: 1/8
VIEW F-F
(SHEET 1 ZONE C-3)
SCALE: NONE
SECTION G-G
SCALE: NONE
VIEW H-H
(SHEET 1 ZONE B-4)
SCALE: 1/2
SECTION J-J
(SHEET 1 ZONE B-4)
SCALE: 1/4
VIEW K-K
(SHEET 1 ZONE D-4)
SCALE: 1/4
SECTION L-L
(SHEET 1 ZONE C-4)
SCALE: 1/4
SECTION M-M
ROTATED 90° CCW
(SHEET 1 ZONE D-3)
SCALE: 1/4
SECTION P-P
SCALE: 1/2
VIEW Q-Q
ROTATED 90° CCW
SCALE: 1/2
2 PLACES
VIEW N-N
(SHEET 1 ZONE C-5)
SCALE: 1/2
SECTION R-R
ROTATED 90° CW
SCALE: 1/2
2 PLACES
APPLICATION
NEXT ASSY
USED ON
D13211E3200
D13211E3100
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
BREAK SHARP EDGES — TO —
ALL FILLETS — TO —
MATERIAL
PROJECT ENGINEER
DRAWN: MARKS
CHECKED
DESIGN APPROVAL
REVIEWED FOR PRODUCTION
APPROVED FOR QUANTITY PROCUREMENT
CHIEF, ENGINEERING DEPT.
U. S. ARMY MOBILITY COMMAND
ENGINEER RESEARCH AND DEVELOPMENT
LABORATORIES
FORT BELVOIR, VA.
TONGUE
LOW ALLOY STEEL
CODE IDENT. NO.
97403
SIZE
D
13211E3032
SCALE:
SHEET 2 OF