SHEETS			STATUS OF REVISIONS				
4	3	2	ZONE	LTR	DESCRIPTION	DATE	APPROVED

NOTES:

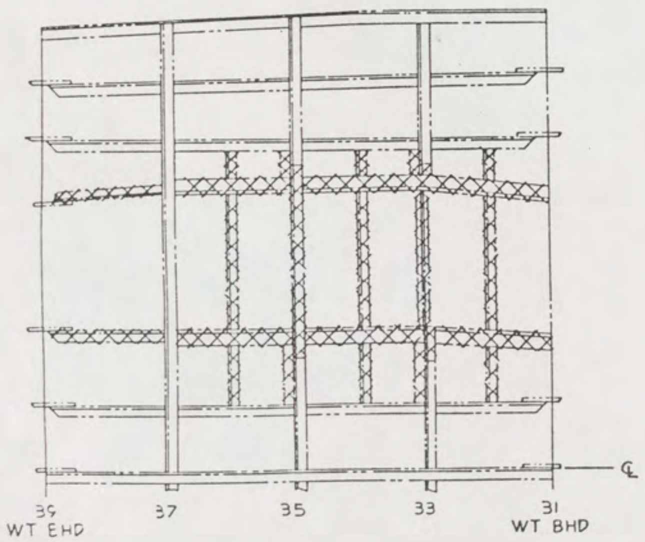
1. THIS DRAWING HAS BEEN DEVELOPED FROM SHIPCHECK INFORMATION FOR ACCOMPLISHING THE INSTALLATION OF ENGINE FOUNDATIONS ON LCM-8, MOD-1.
2. ALL FABRICATION WELDING AND INSPECTION TO BE IN ACCORDANCE WITH NAVSEA 0900-LP-014-5010. WELD SIZES BASED ON USE OF AWS A5.1, CLASS E7018 ELECTRODES FOR LC STEEL TO LC STEEL.
3. EQUIPMENT AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH USCG, AND ABS REGULATIONS.
4. REPAIR ALL PAINT DAMAGED BY THIS INSTALLATION AND PAINT ALL NEW STEEL IN ACCORDANCE WITH U.S. ARMY TECHNICAL BULLETIN TB43-0144.
5. MATERIAL ORDERED ON THIS DRAWING IS NOT INTENDED TO BE RESTRICTIVE. SUBSTITUTION OF EQUAL QUALITY MATERIAL MAY BE MADE EXCEPT FOR ITEMS MARKED GFE.
6. SLIGHT DEVIATIONS FROM DIMENSIONS SHOWN ARE PERMISSIBLE TO SUIT ACTUAL CONDITIONS FOUND ABOARD THE VESSEL.
7. COMPONENTS SHOWN BY SOLID, HEAVY LINES ARE NEW AND ARE TO BE INSTALLED IN ACCORDANCE WITH THIS DRAWING. PHANTOM LINES INDICATE EXISTING COMPONENTS INSTALLED BY DRAWINGS REFERENCED AS NOTED.
8. THE EXISTING ENGINE FOUNDATIONS SHALL BE COMPLETELY REMOVED AS SHOWN BY CROSS-HATCHED AREA IN VIEW 7-A. GRIND FLUSH ANY PROTRUSIONS OR HIGH POINTS.
9. SEE DRAWING 13226E9460 FOR A MORE COMPLETE DESCRIPTION OF PORT AND STBD ENGINES.
10. ENGINES TO BE ADJUSTED VERTICALLY TO MATE WITH CENTERLINE OF PROPELLER SHAFTS BY USE OF 1/2-13 UNC JACKING BOLTS POSITIONED IN ENGINE SUPPORT BRACKETS. FILL SPACE WITH CASTING COMPOUND, FIND NO. 25. CASTING COMPOUND TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

REFERENCE DRAWINGS
APPLICABLE TO HULL NUMBERS 8540 THRU 8560 AND 8580 THRU 8618

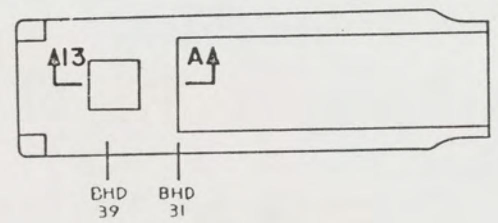
NO.	DRAWING NO.	TITLE
1	145-4510915	BOTTOM PLATING
2	145-4510918	FRAMING SECTIONS
3	145-4510921	BULKHEAD AND TRANSOM DETAILS
4	145-4510922	LINES AND OFFSETS
5	13226E9460	LCM-8, MOD-1, SERVICE LIFE EXTENSION
		PROGRAM COMPONENTS LIST
6	13226E9472	LCM-8, MOD-1, PROPELLER SHAFT DETAILS

REFERENCE DRAWINGS
APPLICABLE TO HULL NUMBERS 8520 THRU 8539

NO.	DRAWING NO.	TITLE
1	145-2534201	BOTTOM PLATING
2	145-2534194	FRAMING SECTIONS
3	145-2534195	BULKHEAD AND TRANSOM DETAILS
4	145-2534185	LINES AND OFFSETS
5	13229E2256	LCM-8, MOD-1, SERVICE LIFE EXTENSION
		PROGRAM COMPONENTS LIST
6	13226E9472	LCM-8, MOD-1, PROPELLER SHAFT DETAILS



PLAN VIEW 7-A
SCALE NONE
EXISTING ENG FNDN REMOVAL
SEE NOTE 8



VIEW 5-B
KEY VIEW
SCALE NONE

SUPPLIER	FIND NO	FSCM	DWG SIZE	PART OR IDENTIFYING NO.	QTY REQD	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	MATERIAL
YARD	41				4	PLATE, 3/8" THK	ASTM A36	STEEL
YARD	40				2	BAR, 5/8" X 1" X 16 1/2"	ASTM A36	STEEL
YARD	39				2	ANGLE, 1/4" X 2 1/2" X 3" X 35 3/4"	ASTM A36	STEEL
YARD	38				2	ANGLE, 1/4" X 2 1/2" X 3" X 36"	ASTM A36	STEEL
YARD	37				2	F.B., 1/4" X 3" X 15 1/2"	ASTM A36	STEEL
GFE	36	72582		S.O.8A11647A00	2	DIESEL ENGINE, 12V-71 MODEL 7122-7000 (DETROIT DIESEL)	COML	SEE NOTE 9
YARD	35			MS90725-240	4	SCREW, HEX HD, 1"-8 UNC-2A X 4 1/2" L		STEEL
YARD	34			MS35691-74	4	NUT, PLAIN, HEX, JAM, 1"-8-UNC-2B		STEEL
YARD	33			MS51967-30	4	NUT, PLAIN, HEX, 1"-8 UNC-2B		STEEL
YARD	32			MS27183-27	4	WASHER, FLAT, 1.062" ID X 2.00" OD X .134 THK		STEEL
YARD	31				8	ANGLE, 1/4" X 3" X 6" X AR L	ASTM A36	STEEL
YARD	30				4	PLATE, 3/8" X 4' X 5"	ASTM A36	STEEL
YARD	29			MS90725-217	8	SCREW, HEX HD, 7/8"-9 UNC-2A X 4" L		STEEL
YARD	28			MS35691-65	8	NUT, PLAIN, HEX, JAM, 7/8-9 UNC-2B		STEEL
YARD	27			MS51967-27	8	NUT, PLAIN, HEX, 7/8"-9 UNC-2B		STEEL
YARD	26			MS27183-25	8	WASHER, FLAT, .938 ID X 1.75 OD X .134 THK		STEEL
YARD	25	20420		CHOCKFAST ORANGE	AR	CASTING COMPOUND (PHILADELPHIA RESINS CORP)	COML	EPOXY RESIN
YARD	24				2	ANGLE, 1/4" X 3" X 6" X 31" L	ASTM A36	STEEL
YARD	23				2	PLATE, 3/8" THK	ASTM A36	STEEL
YARD	22				2	PLATE, 3/8" THK	ASTM A36	STEEL
YARD	21				2	F.B., 1/4" X 3" X 33 3/4"	ASTM A36	STEEL
YARD	20				2	PLATE, 3/8" THK	ASTM A36	STEEL
YARD	19				2	PLATE, 3/8" THK	ASTM A36	STEEL
YARD	18				2	PLATE, 3/8" THK	ASTM A36	STEEL
YARD	17				2	PLATE, 3/8" THK	ASTM A36	STEEL
YARD	16				2	PLATE, 3/8" THK	ASTM A36	STEEL
YARD	15				2	PLATE, 3/8" THK	ASTM A36	STEEL
YARD	14				6	F.B., 1/4" X 3" X 42"	ASTM A36	STEEL
YARD	13				2	PLATE, 3/8" THK	ASTM A36	STEEL
YARD	12				2	PLATE, 3/8" THK	ASTM A36	STEEL
YARD	11				2	ANGLE, 1/4" X 3" X 3" X 31"	ASTM A36	STEEL
YARD	10				2	PLATE, 3/8" THK	ASTM A36	STEEL
YARD	9				4	PLATE, 3/8" THK	ASTM A36	STEEL
YARD	8				2	PLATE, 3/8" THK	ASTM A36	STEEL
YARD	7				2	PLATE, 3/8" THK	ASTM A36	STEEL
YARD	6				2	PLATE, 3/8" THK	ASTM A36	STEEL
YARD	5				2	PLATE, 3/8" THK	ASTM A36	STEEL
YARD	4				4	F.B., 5/8" X 4" X 6 FT-11"	ASTM A36	STEEL
YARD	3				4	F.B., 5/8" X 4" X 10"	ASTM A36	STEEL
YARD	2				4	PLATE, 3/8" THK	ASTM A36	STEEL
YARD	1				4	F.B., 5/8" X 4" X 39"	ASTM A36	STEEL

PARTS LIST

THIS DRAWING APPLIES TO HULL NUMBERS 8520 THROUGH 8560 AND 8580 THROUGH 8618 ONLY.

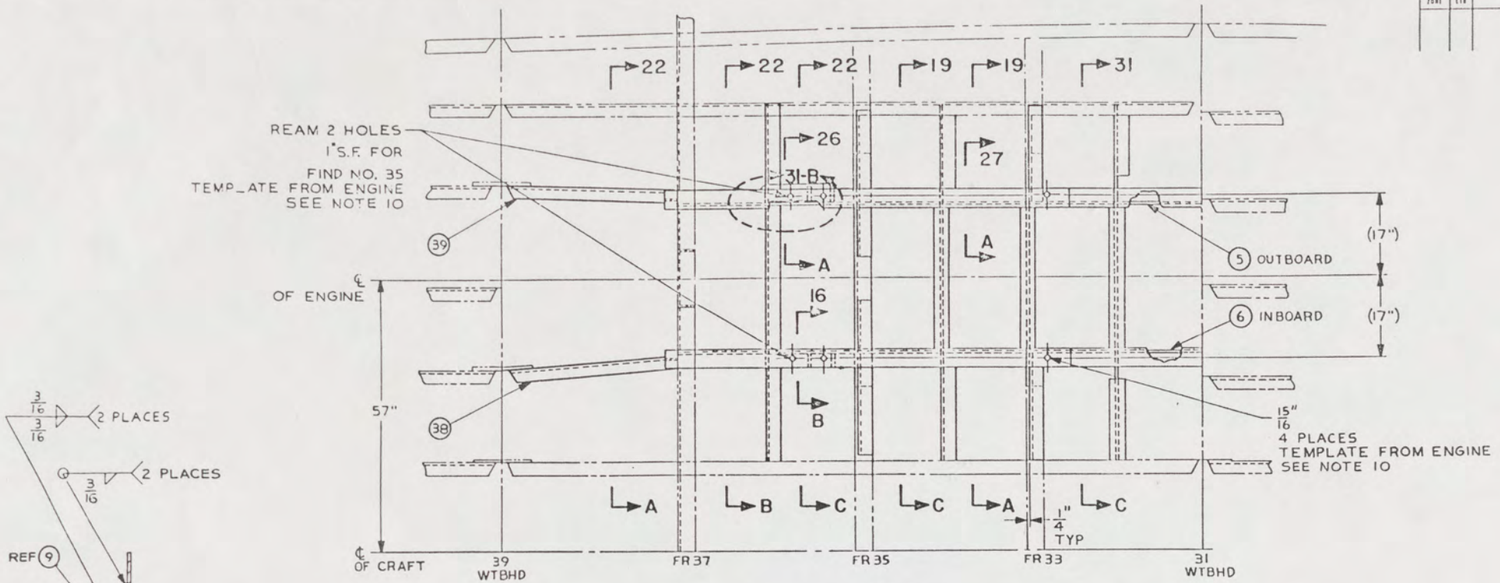
UNLESS OTHERWISE SPECIFIED DIM/TOLERANCES ARE: IN.
ONE PLACE (.X) ± —
TWO PLACE (.XX) ± —
THREE PLACE (.XXX) ± —
ANGLES ± —
THIRD ANGLE PROJECTION
DO NOT SCALE THIS DRAWING
FOR INTERPRETATION OF DRAWING DOD-STD-100 APPLIES
REMOVE BURRS AND BREAK SHARP EDGES
SHARP EDGES — TO —
FILLET RADII — TO —
MATERIAL

DRAWN BY RV — DATE 22 AUG 84
CHECKED BY P4OD G.T STC QC — 10 Nov 58
CONTRACT NO
DESIGN APPROVAL Robert W. Dunter — DATE 15 Nov 58
APPROVED FOR PROCUREMENT — DATE

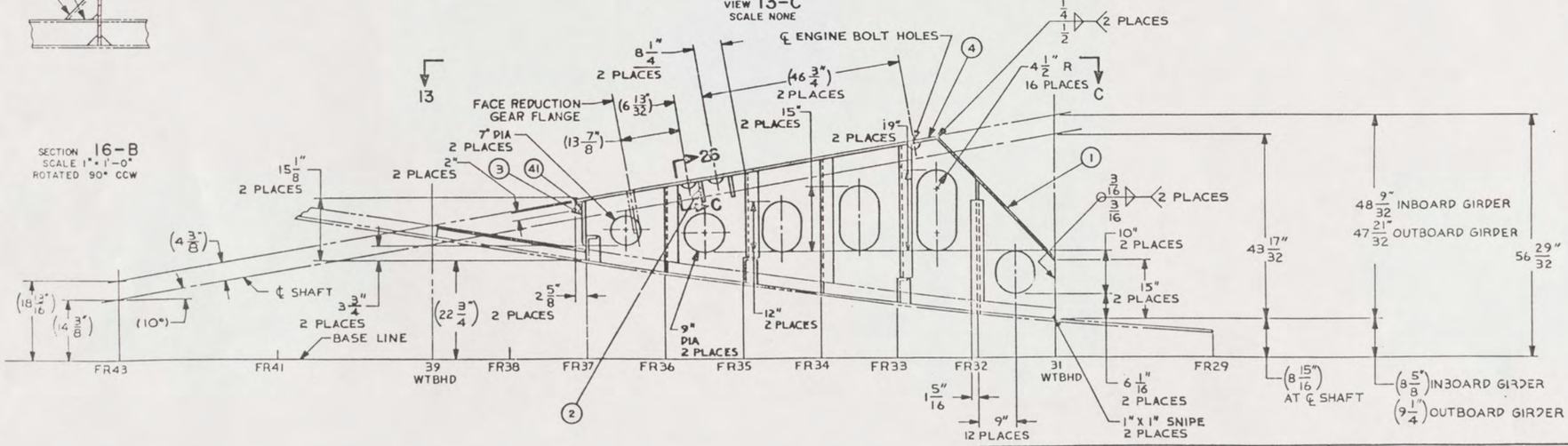
U.S. ARMY MOBILITY EQUIPMENT
RESEARCH AND DEVELOPMENT COMMAND
FORT BELVOIR, VIRGINIA 22060

LCM-8, MOD-1, ENGINE FOUNDATIONS

SIZE A1 — FSCM 97403 — DWG NO 13226E9448
SCALE AS NOTED — SHEET 1 OF 4



VIEW 13-C
SCALE NONE



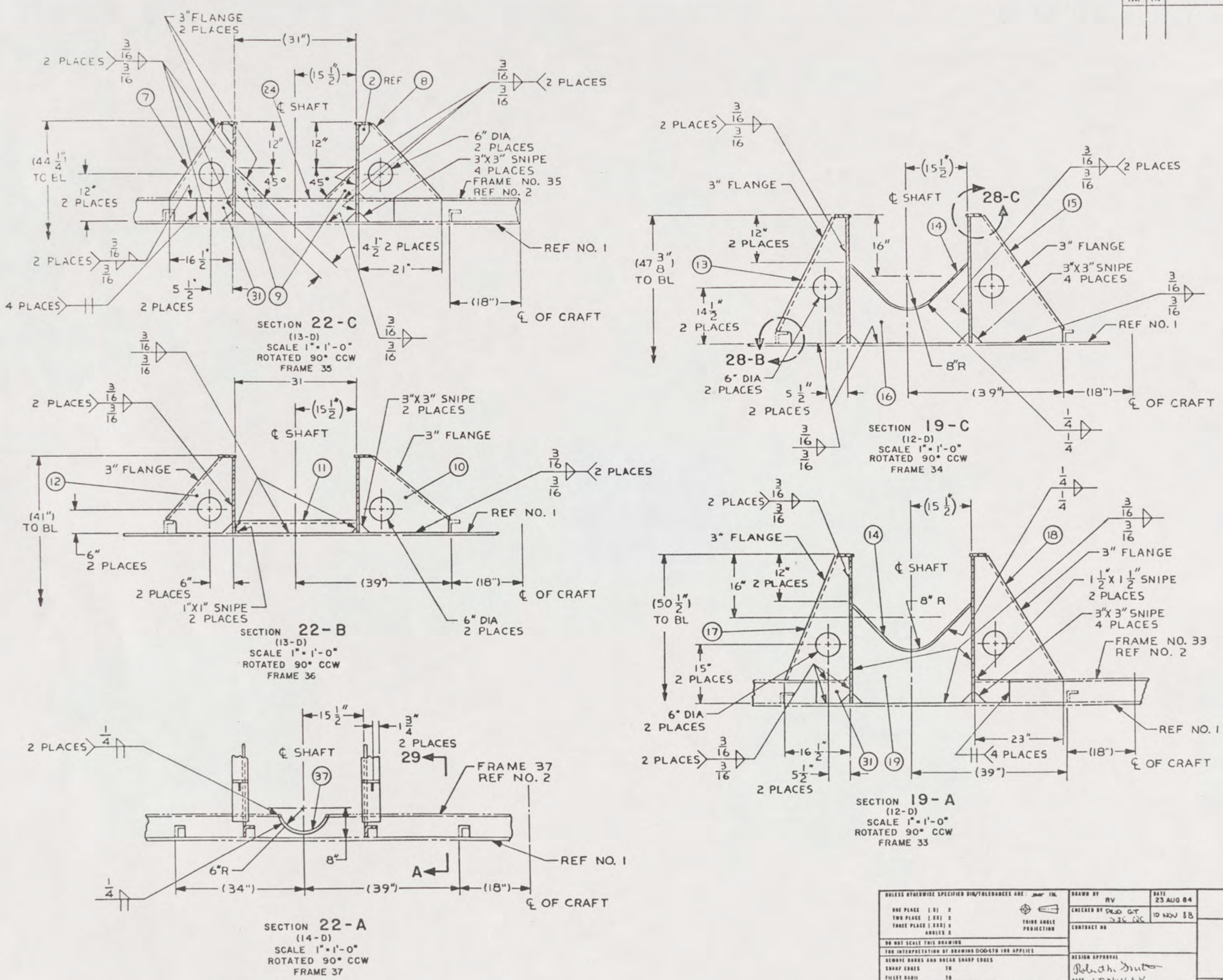
SECTION 16-B
SCALE 1"=1'-0"
ROTATED 90° CCW

SECTION 13-A
(5-8)
LOOKING OUTBOARD
SCALE 1"=1'-0"
PORT SIDE SHOWN, STBD OPPOSITE EXCEPT AS SHOWN,
SEE VIEW 31-B AND SECTION 26-C

UNLESS OTHERWISE SPECIFIED DIM/TOLERANCES ARE: per ink.	DRAWN BY RV	DATE 23 AUG 84	U.S. ARMY MOBILITY EQUIPMENT RESEARCH AND DEVELOPMENT COMMAND FORT BELVOIR, VIRGINIA 22060
ONE PLACE (.X) ±	CHECKED BY ROD CY JTG GS	10 NOV 85	LCM-8, MOD-1, ENGINE FOUNDATIONS
TWO PLACE (.XX) ±	CONTRACT NO		SIZE A1 · FSCM 97403 · DWG NO 13226E9448
THREE PLACE (.XXX) ±	DESIGN APPROVAL Robert M. Smith		SCALE · SHEET 2
ANGLES ±	APPROVED FOR PROCUREMENT		
DO NOT SCALE THIS DRAWING			
SHARP EDGES TO			
FILLET RADII TO			
MATERIAL			

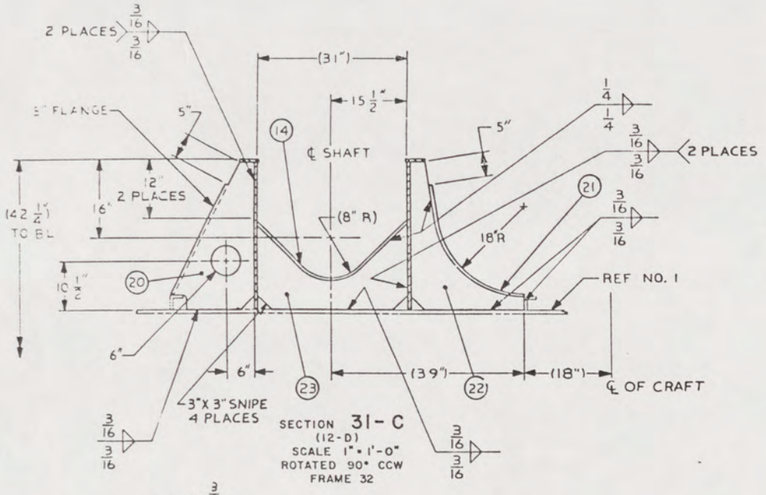
THIRD ANGLE PROJECTION

2

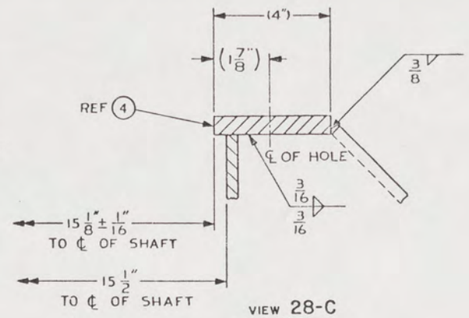


UNLESS OTHERWISE SPECIFIED DIM/TOLERANCES ARE: IN. ONE PLACE (.X) ± TWO PLACE (.XX) ± THREE PLACE (.XXX) ± ANGLES ± — THIRD ANGLE PROJECTION	DRAWN BY RV	DATE 23 AUG 84	U.S. ARMY MOBILITY EQUIPMENT RESEARCH AND DEVELOPMENT COMMAND FORT BELVOIR, VIRGINIA 22060
DO NOT SCALE THIS DRAWING	CHECKED BY	10 NOV 88	
FOR INTERPRETATION OF DRAWING DOD-STD 100 APPLIES	CONTRACT NO		LCM-8, MOD-1, ENGINE FOUNDATIONS
REMOVE BURRS AND BREAK SHARP EDGES — SHARP EDGES TO — FILLET RADII TO	DESIGN APPROVAL — DATE		
MATERIAL	APPROVED FOR PROCUREMENT — DATE		SIZE A1 — FSCM 97403 — DWG NO 13226E9448
			SCALE — SHEET 3

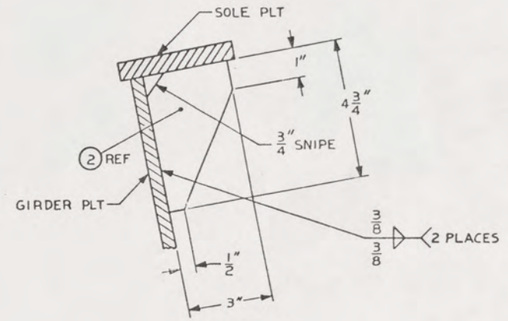
3



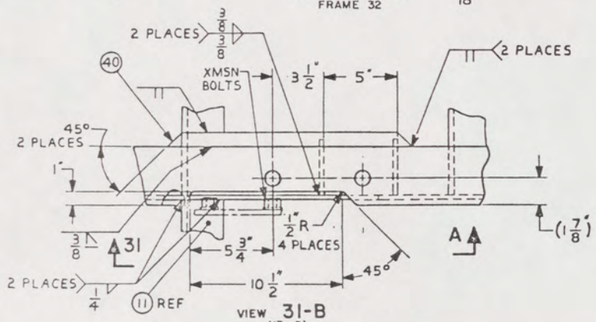
SECTION 31-C
(12-D)
SCALE 1"=1'-0"
ROTATED 90° CCW
FRAME 32



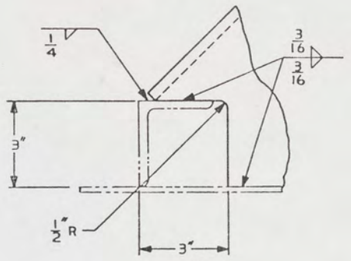
VIEW 28-C
(19-D)
TYP SOLE PLATE TO
FOUNDATION CONNECTION
SCALE 6"=1'-0"



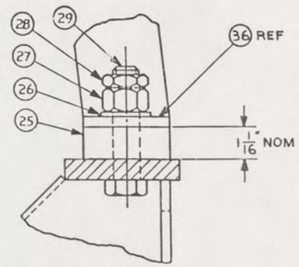
SECTION 26-C
(13-B)
SCALE 6"=1'-0"
TYP BRACKET PLATES
PORT INBD SHOWN
STBD OUTBD SHOWN



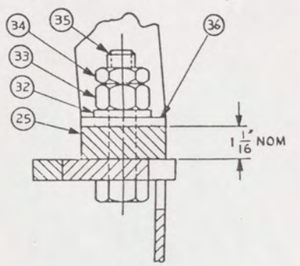
VIEW 31-B
(13-D)
TYP CUT-OUT/OUTB'D SOLE PLT, PORT
TYP CUT-OUT/ INB'D SOLE PLT, STBD
SCALE 3"=1'-0"
SHOWN TRUE



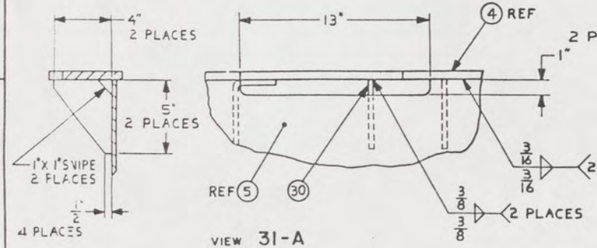
VIEW 28-B
(20-C)
TYP LONG CUT OUT
SCALE 6"=1'-0"



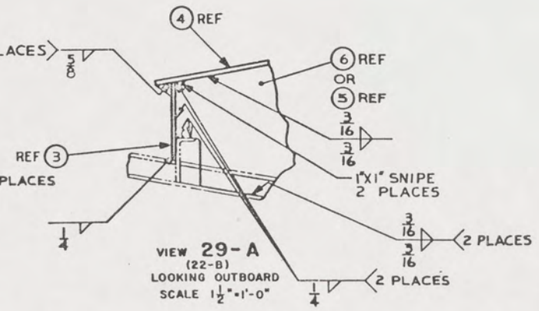
SECTION 27-A
(12-D)
ENGINE BOLT DETAIL
SCALE 6"=1'-0"
ROTATED 90° CCW



SECTION 26-A
(13-D)
ENGINE BOLT DETAIL
SCALE 6"=1'-0"
ROTATED 90° CCW



VIEW 31-A
SCALE 3"=1'-0"



VIEW 29-A
(22-B)
LOOKING OUTBOARD
SCALE 1 1/2"=1'-0"

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

UNLESS OTHERWISE SPECIFIED DIM/TOLERANCES ARE: ANSI Y14.5
ONE PLACE (.X) ±
TWO PLACE (.XX) ±
THREE PLACE (.XXX) ±
ANGLES ±
THIRD ANGLE PROJECTION
DO NOT SCALE THIS DRAWING
FOR INTERPRETATION OF DRAWING DOD-STD 100 APPLIES
REMOVE BURRS AND BREAK SHARP EDGES
SHARP EDGES
FILLET RADII
MATERIAL

DRAWN BY RV — DATE 27 AUG 84
CHECKED BY PGDO 4T / JES GJC — DATE 10 NOV 88
CONTRACT NO
DESIGN APPROVAL Robert M Smith — DATE 13 NOV 88
APPROVED FOR PROCUREMENT Joseph A Wm Long — DATE 13 Nov 88

U.S. ARMY MOBILITY EQUIPMENT
RESEARCH AND DEVELOPMENT COMMAND
FORT BELVOIR, VIRGINIA 22060

LCM-8, MOD-1, ENGINE FOUNDATIONS

SIZE A1 | FSCM 97403 | DWG NO 13226E9448
SCALE | SHEET 4

4