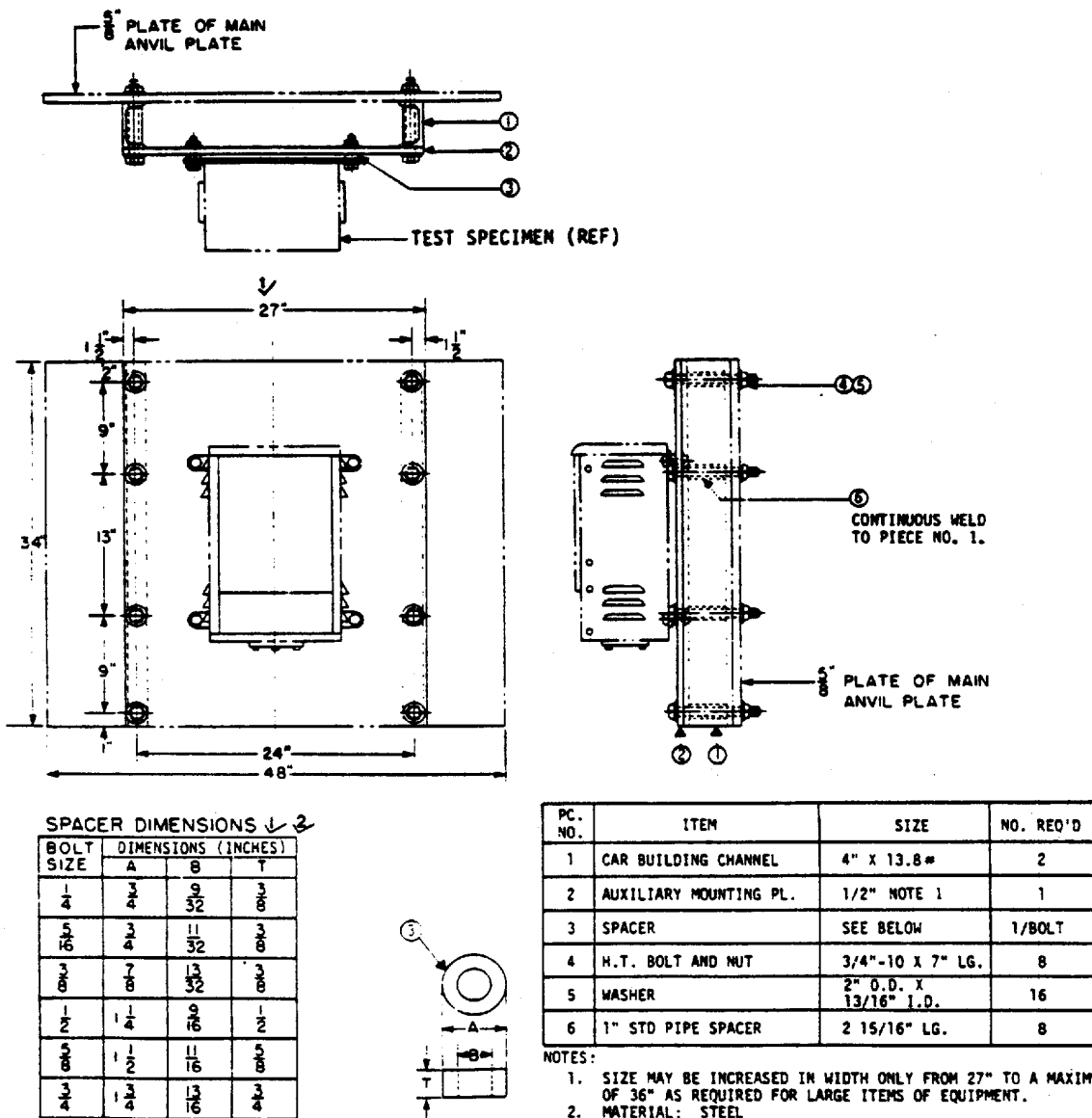


MIL-S-901D(NAVY)



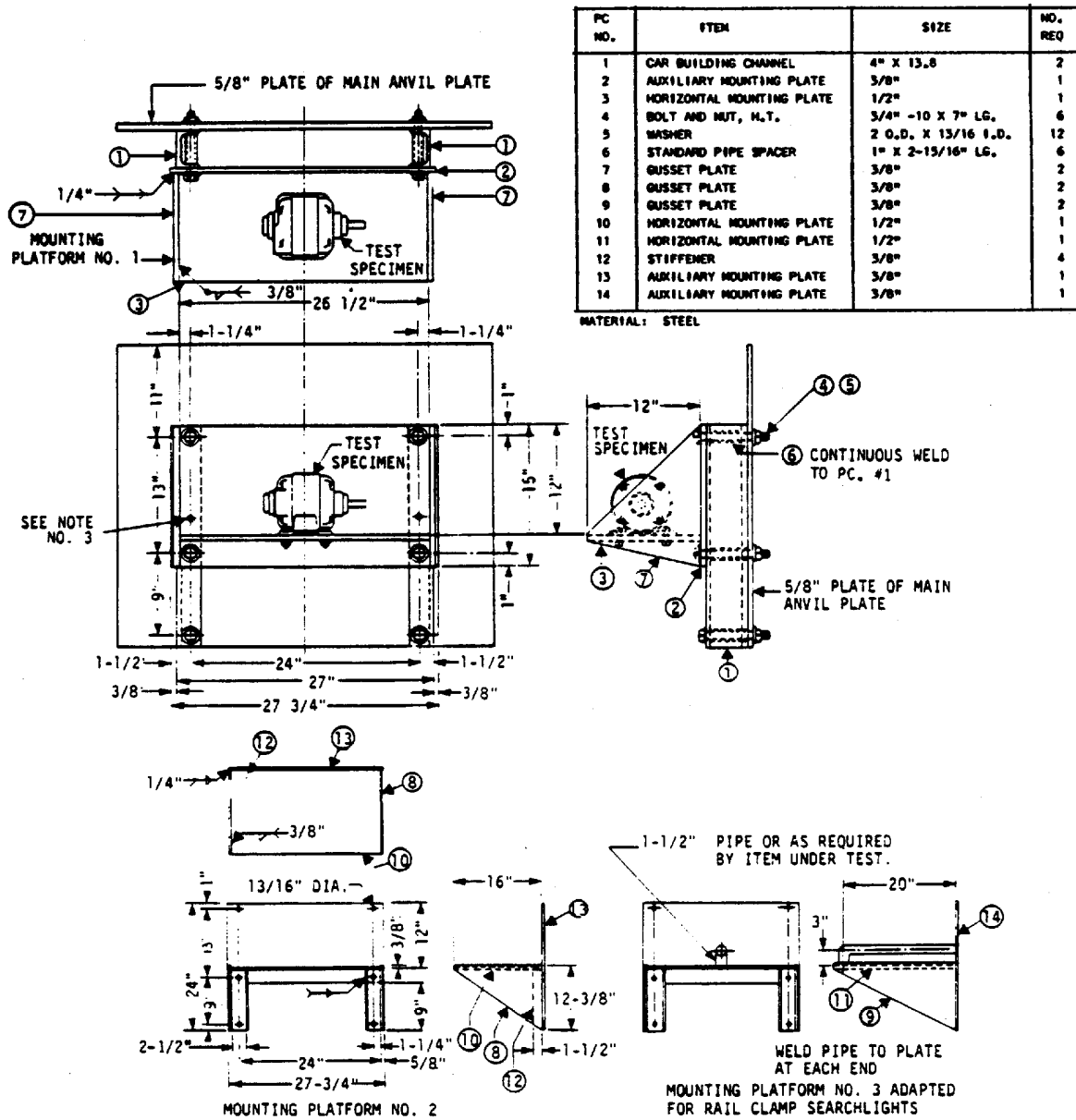
- ✓ SPACERS TO BE USED WHEN SECURING EQUIPMENT TO THE 1/2" AUXILIARY MOUNTING PANEL (PIECE NO 2).
- 2 ONE SPACER SHALL BE USED FOR EACH EQUIPMENT MOUNTING BOLT.

FOR ADDITIONAL DETAILS, SEE BUSHIPS DWG 10-T-2145-L.

SH 132031645

FIGURE 7. Fixture 4A standard mounting for bulkhead mounted equipment (type "A" test LWSM).

MIL-S-901D(NAVY)



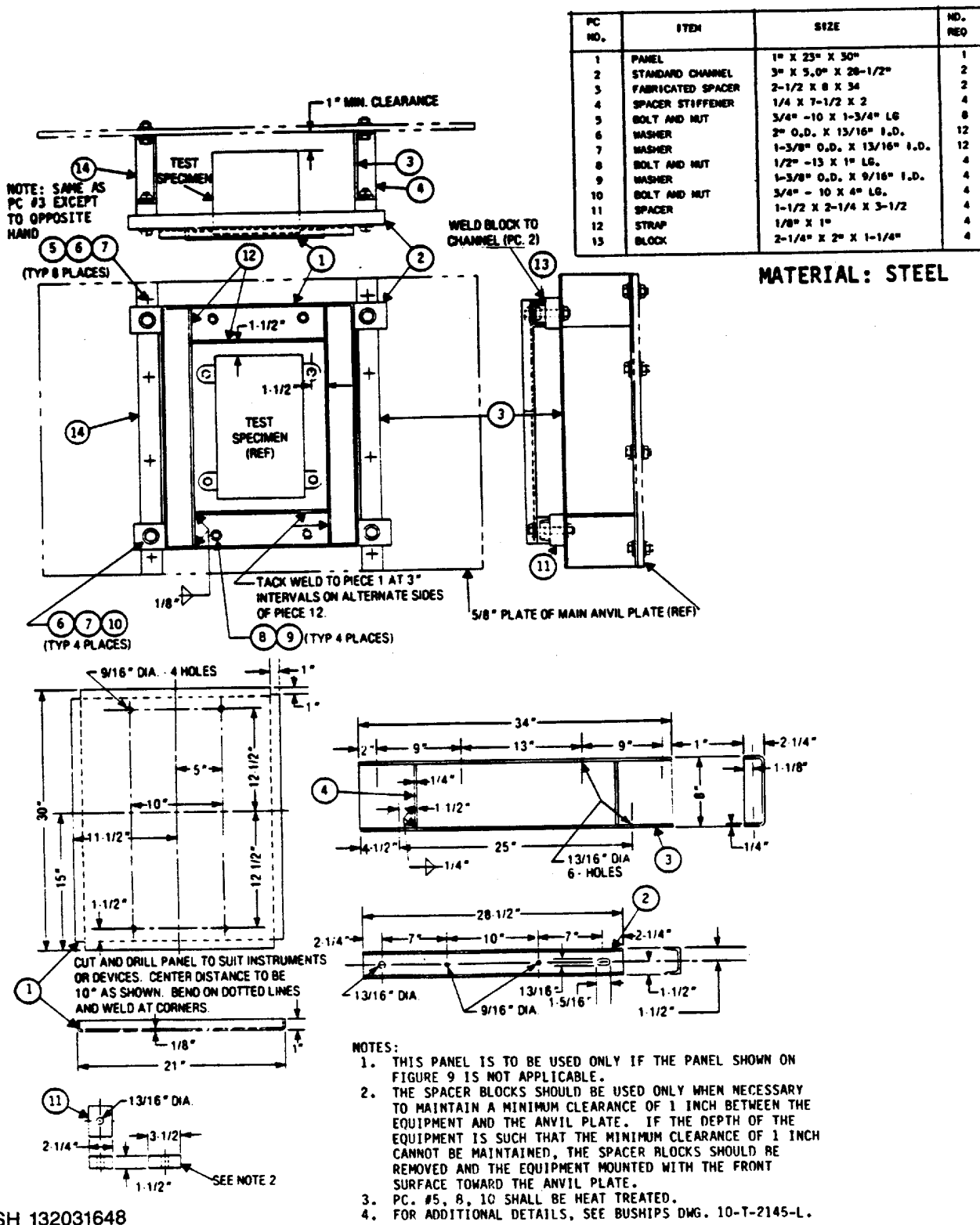
- NOTES:
1. THERE ARE 3 MOUNTING PLATFORMS. MOUNTING PLATFORM NO. 3 SHALL BE SIMILAR TO MOUNTING PLATFORM NO. 2 EXCEPT THAT THE DEPTH OF THE HORIZONTAL MOUNTING PLATE AND THE SIDE GUSSET PLATES SHOULD BE INCREASED TO 22 INCHES.
 2. THE SMALLEST MTG. PLATFORM SHOULD BE SELECTED WHICH WILL SATISFACTORILY ACCOMMODATE THE EQUIPMENT.
 3. IF THE DEEP GUSSETS INTERFERE WITH THE MOUNTING EQUIPMENT, THE EXTRA BOLT HOLES SHOULD BE USED IN BOLTING PLATFORM NO. 1 IN THE INVERTED POSITION TO THE FOUR LOWER BOLT HOLES OF THE ANVIL PLATE.

FOR ADDITIONAL DETAILS, SEE BUSHIPS DWG 10-T-2145-L.

SH 132031646

FIGURE 8. Fixture 4C standard mounting for base mounted equipment (type "A" test LWSM).

MIL-S-901D(NAVY)

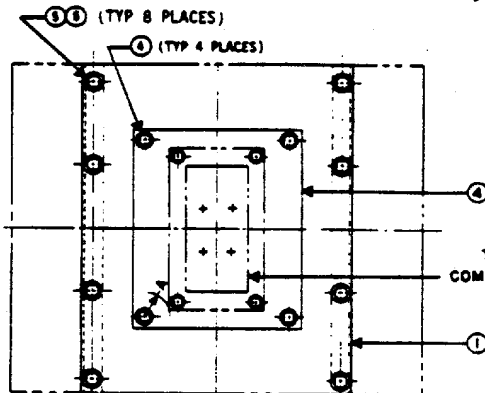
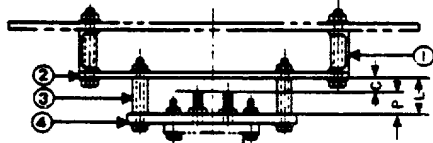


SH 132031648

FIGURE 10. Fixture 6D-2 standard mounting for electrical indicating switchboard meters and other panel mounted equipment (type "C" test LWSM).

MIL-S-901D(NAVY)

PIECE NO.	ITEM	SIZE	NO. REQ'D	MATERIAL
1	CAR BUILDING CHANNEL	4" X 13.8 9	2	STEEL
2	AUXILIARY PLATE ✓	1/2" X 27" X 34"	1	STEEL
3	SPACER	SEE BELOW	—	STEEL
4	PLASTIC MOUNTING PANEL	SEE BELOW	—	LIMITED (MIL-P-15035)
5	BOLT AND NUT	3/4-10 X 7"	8	STEEL (HEAT-TREATED)
6	WASHER	2" O.D. X 13/16" I.D	16	STEEL
7	STANDARD PIPE SPACER	1" IPS X 2-15/16" LG.	8	STEEL
8	MOUNTING HOLE	SEE TABLE		H.T. STEEL



DIMENSION "A", AS MEASURED FROM THE CENTER OF ANY MOUNTING HOLE OF PC. 4 TO THE COMPONENT MOUNTING BASE, SHALL BE NOT LESS THAN 2 1/2 INCHES.

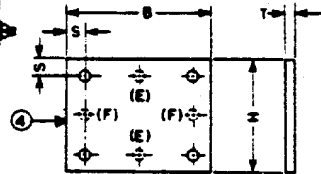
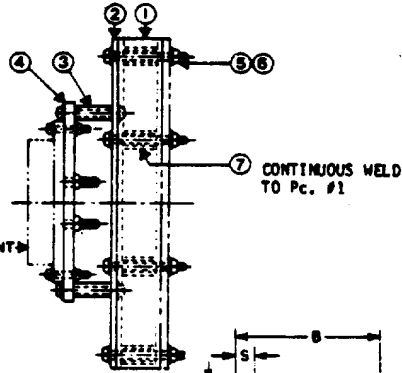
SPACER DETAILS



DIMENSION "D" SHALL BE 17/32" FOR 1/2" DIA BOLTS AND 7/32" FOR 3/8" DIA BOLTS.

WHEN P (NOTE ASSEMBLY TOP VIEW) IS:		L	NOTES
LESS THAN	GREATER THAN		
3/4"	—	1 1/2"	
3 1/4"	3/4"	P + 3/4"	
—	3 1/4"	4"	CUT OUT 1/2 INCH THICK AUXILIARY MOUNTING PLATE (PIECE NO 2) TO GIVE 3/4 INCH CLEARANCE AROUND REAR PROJECTIONS

THE SIZE OF THE AUXILIARY PLATE SHOULD BE INCREASED TO 1/2" X 36 X 34 INCHES FOR PANEL NUMBERS 5 AND 6



HOLES (E) ARE DRILLED EQUIDISTANT FROM CORNER HOLES ON SAME CENTER LINE-PANEL NO 5 AND 6 ONLY. HOLES (F) ARE DRILLED EQUIDISTANT FROM CORNER HOLES ON SAME CENTER LINE-PANEL NO. 4 AND 6

PANEL NO.	PANEL SIZE (INCHES)				NO. AND SIZE OF BOLTS	DIA OF BOLT HOLES
	B	H	T	S		
1	9	12	3/4	1	4: 1/2"-13	9/16"
2	12	16	1	1	4: 1/2"-13	9/16"
3	16	20	1	1	4: 1/2"-13	9/16"
4	20	24	1	1	6: 1/2"-13	9/16"
5	32	24	1	1 1/4	6: 5/8"-11	11/16"
6	36	34	1	1 1/4	6: 5/8"-11	11/16"

THE PANEL EMPLOYED SHALL BE THE SMALLEST SIZE SHOWN THAT WILL RESULT IN CLEARANCE (NOTE ASSEMBLY FRONT ELEVATION VIEW) OF AT LEAST 2 1/2 INCHES
 THE MANUFACTURER IS TO PROVIDE THE APPROPRIATE PANEL, TOGETHER WITH ALL SPACERS AND MOUNTING FOR BOLTS, WHEN SUBMITTING A COMPONENT TO A NAVAL LABORATORY FOR TEST

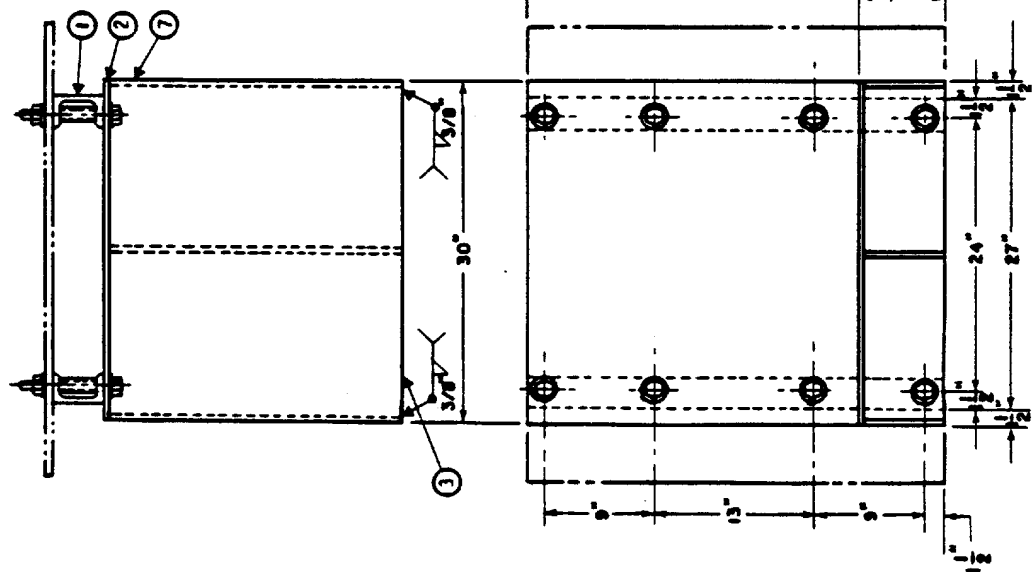
FOR ADDITIONAL DETAILS, SEE BUSHIPS DWG 10-T-2145-L.

SH 132031649

FIGURE 11. Fixture 6E standard mounting for controller components (contactors, relays, resistors, etc.) (type "C" test LWSM).

MIL-S-901D(NAVY)

PC. NO.	ITEM	SIZE	NO. REQ'D
1	CAR BLDG CHAN 4" X 13.8	4" X 13.8	1
2	1/2" AUX MTG PLATE	1/2"	1
3	1/2" HORTZ MTG PLATE	1/2"	1
4	3/4" - 10 X 7" BOLT AND NUT, H.T.	3/4" - 10 X 7" LG.	8
5	WASHER	2" O.D. X 13/16" I.D.	16
6	1" STD. PIPE SPCR	2-5/16" LG.	8
7	GUSSET PLATE	1/2"	3



FOR ADDITIONAL DETAILS, SEE BUSHIPS DWG 10-T-2145-L.

SH 132031650

FIGURE 12. Fixture 11C standard mounting for base mounted equipment (lightweight shock machine).

MIL-S-901D(NAVY)

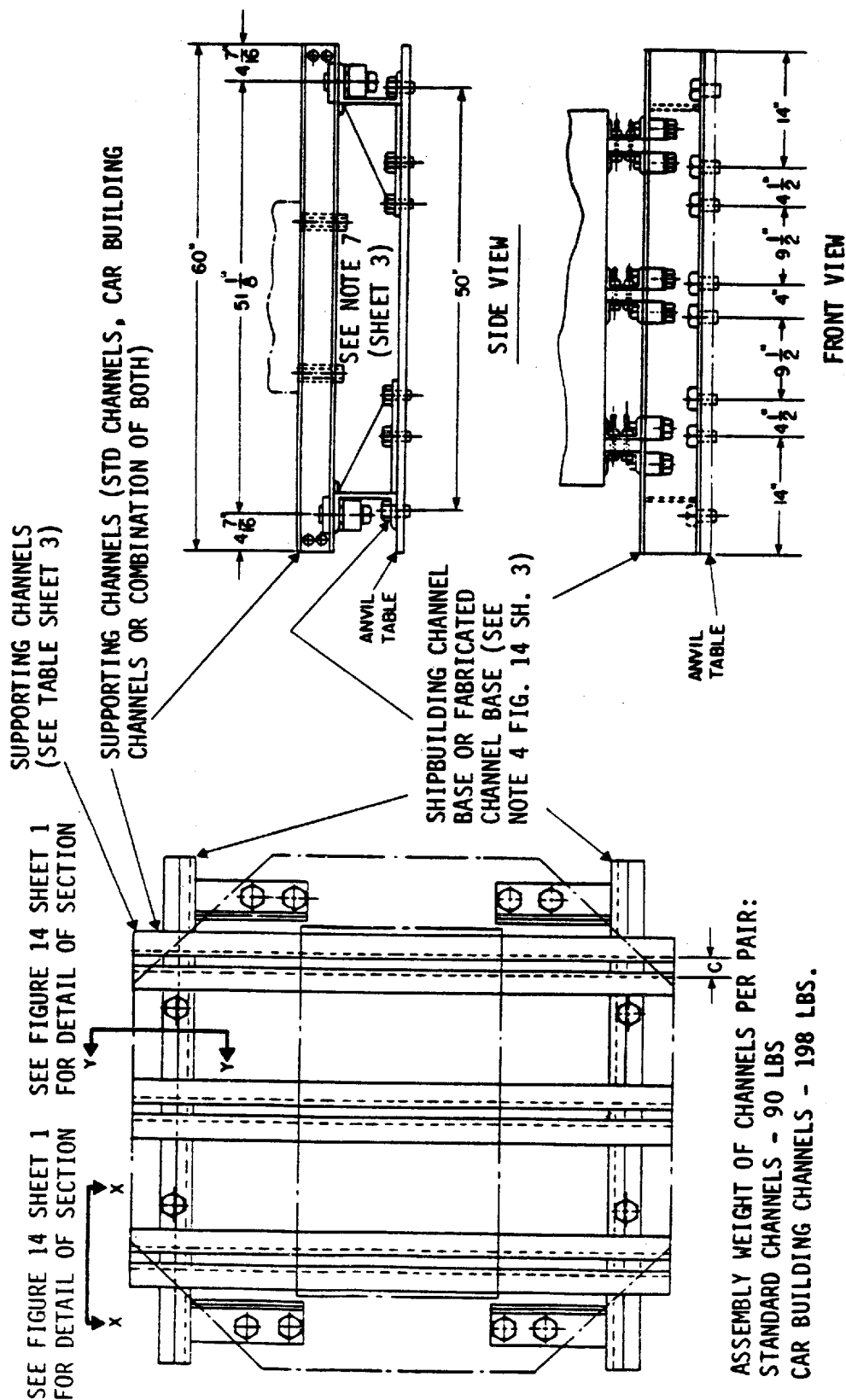
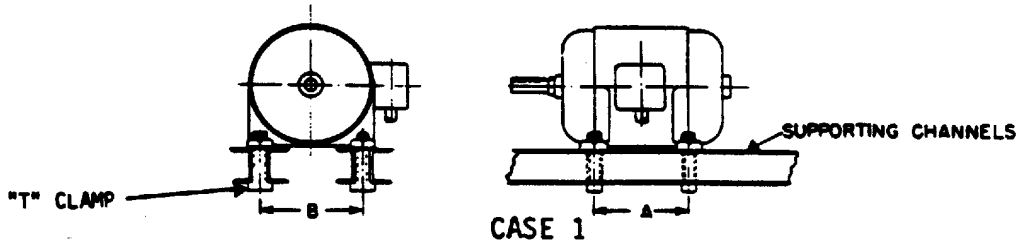


FIGURE 13. Standard mounting platform for testing equipment on mediumweight shock testing machine. (Sheet 1 of 3)

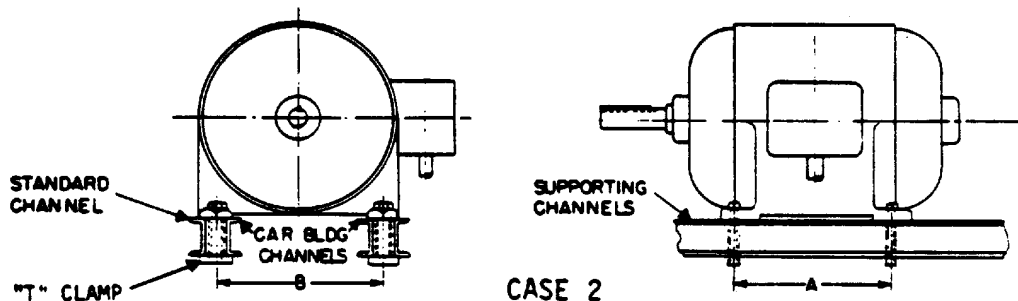
MIL-S-901D(NAVY)

TYPICAL MOUNTING ARRANGEMENTS

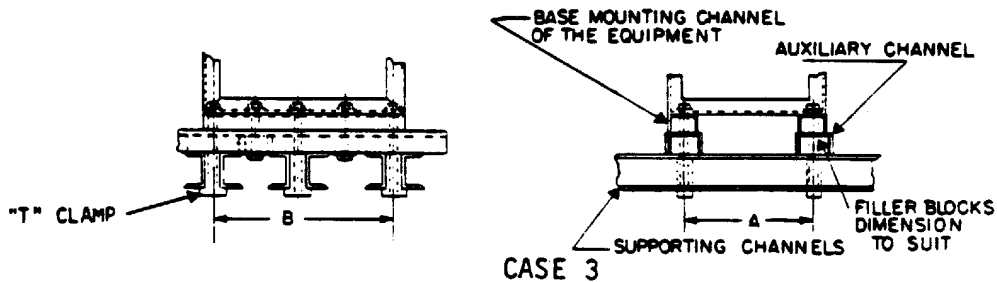


CASE 1

FOR EQUIPMENT REQUIRING TWICE THE NUMBER OF SUPPORTING CHANNELS AS THE NUMBER OF PARALLEL LINES OF MOUNTING BOLT HOLES.

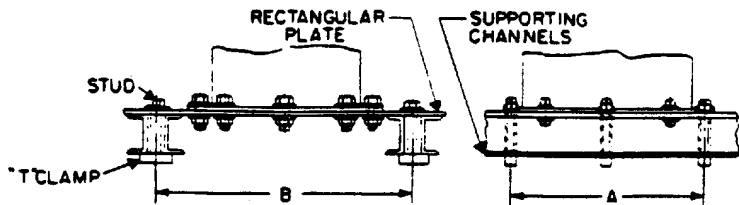


CASE 2
(SEE NOTE - 10 SHEET 3)



CASE 3

FOR EQUIPMENT REQUIRING FULL SUPPORT ALONG ENTIRE BASE



CASE 4
(SEE NOTE - 11 SHEET 3)

NOTE 1. Cases 1 and 2 illustrate a horizontal shaft, base mounted motor. Vertical shaft motors and motors designed for mounting to a vertical plane shall be tested with their shafts and mounting planes oriented to represent shipboard installation. See 3.1.6.

SH 132031651

FIGURE 13. Standard mounting platform for testing equipment on mediumweight shock testing machine. (Sheet 2 of 3)

MIL-S-901D(NAVY)

NOTES:

1. DIMENSIONS 'A' AND 'B' ARE THE EXTREME BOLT HOLE CENTER DISTANCES OF THE EQUIPMENT WITH DIMENSION 'B' ALWAYS EQUAL TO OR GREATER THAN DIMENSION 'A'
2. THE APPROPRIATE NUMBER OF SUPPORTING CHANNELS SHALL BE SELECTED IN ACCORDANCE WITH THE WEIGHT AND DIMENSION 'A' OF THE EQUIPMENT (SEE TABLE)
3. WHEN SELECTING SUPPORTING CHANNELS FOR WEIGHT AND DIMENSION 'A' NOT LISTED IN TABLE THE NEXT HIGHER WEIGHT VALUE AND THE SMALLER DIMENSION 'A' SHALL BE USED.
4. WHEN SELECTING THE SUPPORTING CHANNELS FOR CASES 3 AND 4 LISTED IN TABLE, THE WEIGHT OF THE AUXILIARY CHANNELS OR PLATES SHOULD BE INCLUDED IN THE EQUIPMENT WEIGHT.
5. TWO STANDARD 4" by 7.25" CHANNELS HAVE A COMBINED STRENGTH EQUIVALENT TO A SINGLE 4" BY 13.8" CAR BUILDING CHANNEL AND MAY BE USED IN PLACE OF OR IN CONJUNCTION WITH, THE CAR BUILDING CHANNELS.
6. WHEN USING STANDARD OR CAR BUILDING CHANNELS BACK TO BACK THE ENDS OF THE CHANNELS SHOULD BE CLAMPED WITH THE SPACER, PC 9, AND BOLTS SHOWN ON FIGURE 14. SH. 1
7. HOLES SHOULD NOT BE DRILLED THROUGH THE FLANGES OF THE SUPPORTING CHANNELS FOR THE PURPOSE OF BOLTING EQUIPMENT. EQUIPMENT SHOULD BE BOLTED TO THE SUPPORTING CHANNELS BY MEANS OF THE T CLAMP SHOWN ON FIGURE 14. SH. 1
8. THE SPACING OF THE SUPPORTING CHANNELS ON THE SHIPBUILDING CHANNELS SHOULD BE GOVERNED, WHEN PRACTICABLE, BY THE POSITION OF THE CENTER OF GRAVITY TO OBTAIN UNIFORM DISTRIBUTION OF LOAD.
9. IF THE EQUIPMENT MOUNTING FEET ARE NOT SUBSTANTIALLY WIDER THAN DIMENSION 'C', A STEEL PAD SHOULD BE USED BETWEEN THE FEET AND SUPPORTING CHANNELS AT EACH MOUNTING BOLT AND CLAMP.
10. FOR EQUIPMENT REQUIRING TWO OR MORE CAR BUILDING SUPPORTING CHANNELS, ALL OR PART OF THE NUMBER OF CAR BUILDING CHANNELS AS INDICATED IN THE TABLE MAY BE REPLACED WITH STANDARD CHANNELS TO UTILIZE A BACK TO BACK CHANNEL ARRANGEMENT-NOTE 7. IN THE EVENT THAT THE REQUIRED NUMBER OF SUPPORTING CHANNELS DOES NOT LEND ITSELF TO THIS METHOD, THE AUXILIARY CHANNEL ARRANGEMENT OF CASE 3 SHOULD BE USED.
11. FOR EQUIPMENT HAVING AN IRREGULAR OR CIRCULAR MOUNTING BOLT HOLE PATTERN (UTILIZE 'T' CLAMPS OF SUFFICIENT SIZE AND NUMBER TO PROVIDE TOTAL BOLTING STRENGTH AT LEAST 50 PERCENT GREATER THAN PROVIDED BY EQUIPMENT BOLTS.)
12. FOR ADDITIONAL DETAILS, SEE BUSHIPS DRAWING N0807-655947.

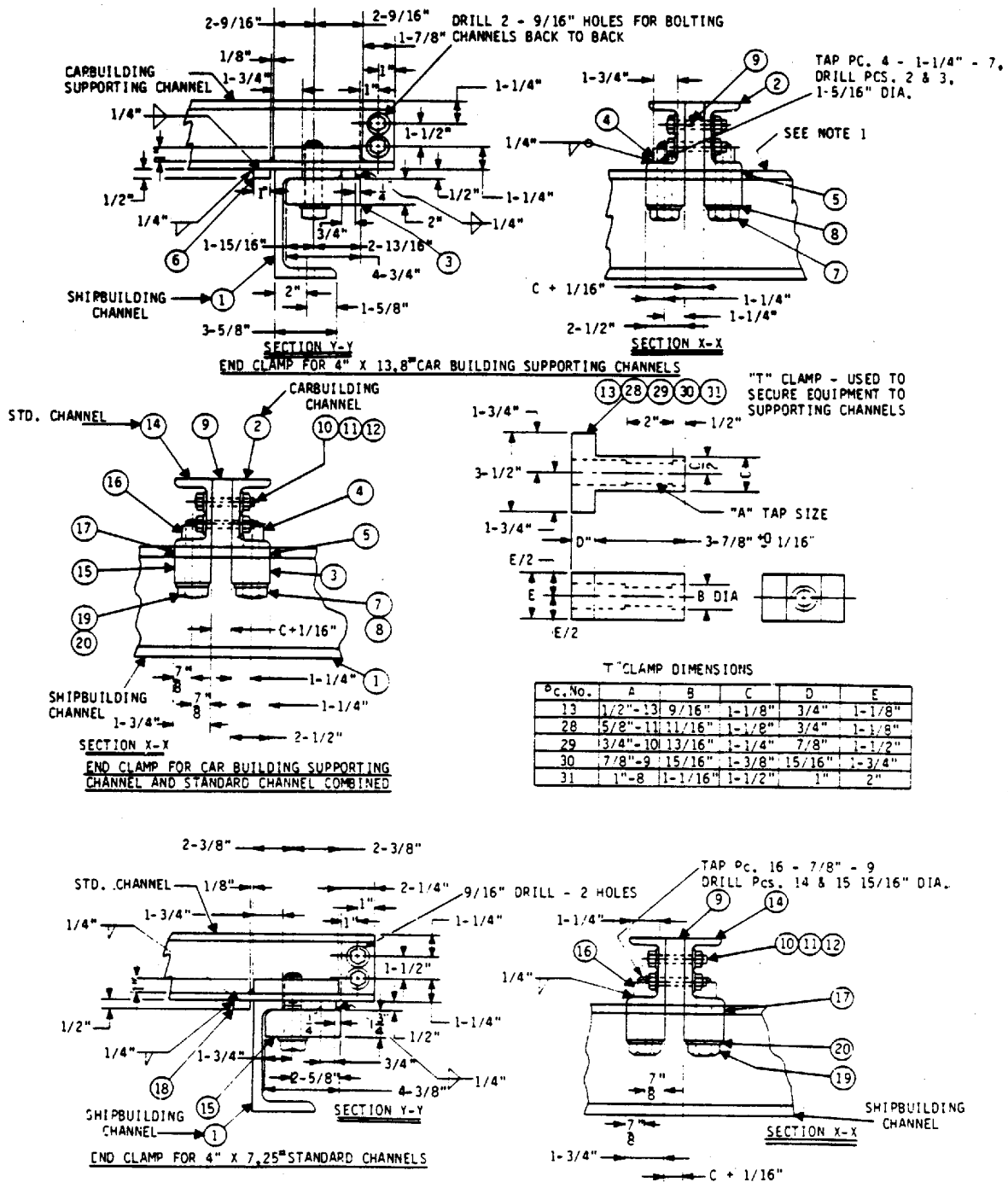
NUMBER OF SUPPORTING 4" CAR BUILDING CHANNELS REQUIRED FOR A GIVEN EQUIPMENT WEIGHT & SIZE

WEIGHT OF EQUIPMENT (SEE NOTE 4)	CENTER DISTANCE BETWEEN BOLT HOLES DIMENSION 'A' (INCHES)																	
	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44
500	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
600	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
700	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
800	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
900	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2
1000	4	4	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2
1100	4	4	4	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2
1200	4	4	4	4	3	3	3	3	2	2	2	2	2	2	2	2	2	2
1300	5	4	4	4	4	3	3	3	2	2	2	2	2	2	2	2	2	2
1400	5	5	4	4	4	4	3	3	3	2	2	2	2	2	2	2	2	2
1500	5	5	5	5	4	4	4	3	3	3	3	2	2	2	2	2	2	2
1600	6	5	5	5	4	4	4	4	3	3	3	2	2	2	2	2	2	2
1700	6	6	5	5	5	4	4	4	4	3	3	3	3	3	3	3	3	3
1800	6	6	6	5	5	5	4	4	4	4	3	3	3	3	3	3	3	3
1900	7	6	6	6	5	5	4	4	4	4	3	3	3	3	3	3	3	3
2000	7	7	6	6	6	5	5	4	4	4	4	3	3	3	3	3	3	3
2100	7	7	7	6	6	6	5	5	4	4	4	3	3	3	3	3	3	3
2200	8	7	7	7	6	6	6	5	5	4	4	3	3	3	3	3	3	3
2300	8	8	7	7	7	6	6	6	5	5	4	4	3	3	3	3	3	3
2400	8	8	8	7	7	6	6	6	5	5	4	4	3	3	3	3	3	3
2500		8	8	7	7	7	6	6	5	5	4	4	4	4	4	4	4	4
2600			8	8	7	7	7	6	6	5	5	4	4	4	4	4	4	4
2700				8	8	7	7	6	6	5	5	4	4	4	4	4	4	4
2800					8	8	7	7	6	6	5	5	4	4	4	4	4	4
2900						8	8	7	7	6	6	5	5	4	4	4	4	4
3000							8	8	7	7	6	6	5	5	4	4	4	4
3100								8	8	7	7	6	6	5	5	4	4	4
3200									8	8	7	7	6	6	5	5	4	4
3300										8	8	7	7	6	6	5	5	5
3400											8	8	7	7	6	6	5	5
3500												8	8	7	7	6	6	5
3600													8	8	7	7	6	6
3700														8	8	7	7	6
3800															9	8	7	7
3900																9	8	7
4000																	9	8
4100																		9
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FIGURE 13. Standard mounting platform for testing equipment on mediumweight shock testing machine. (Sheet 3 of 3)

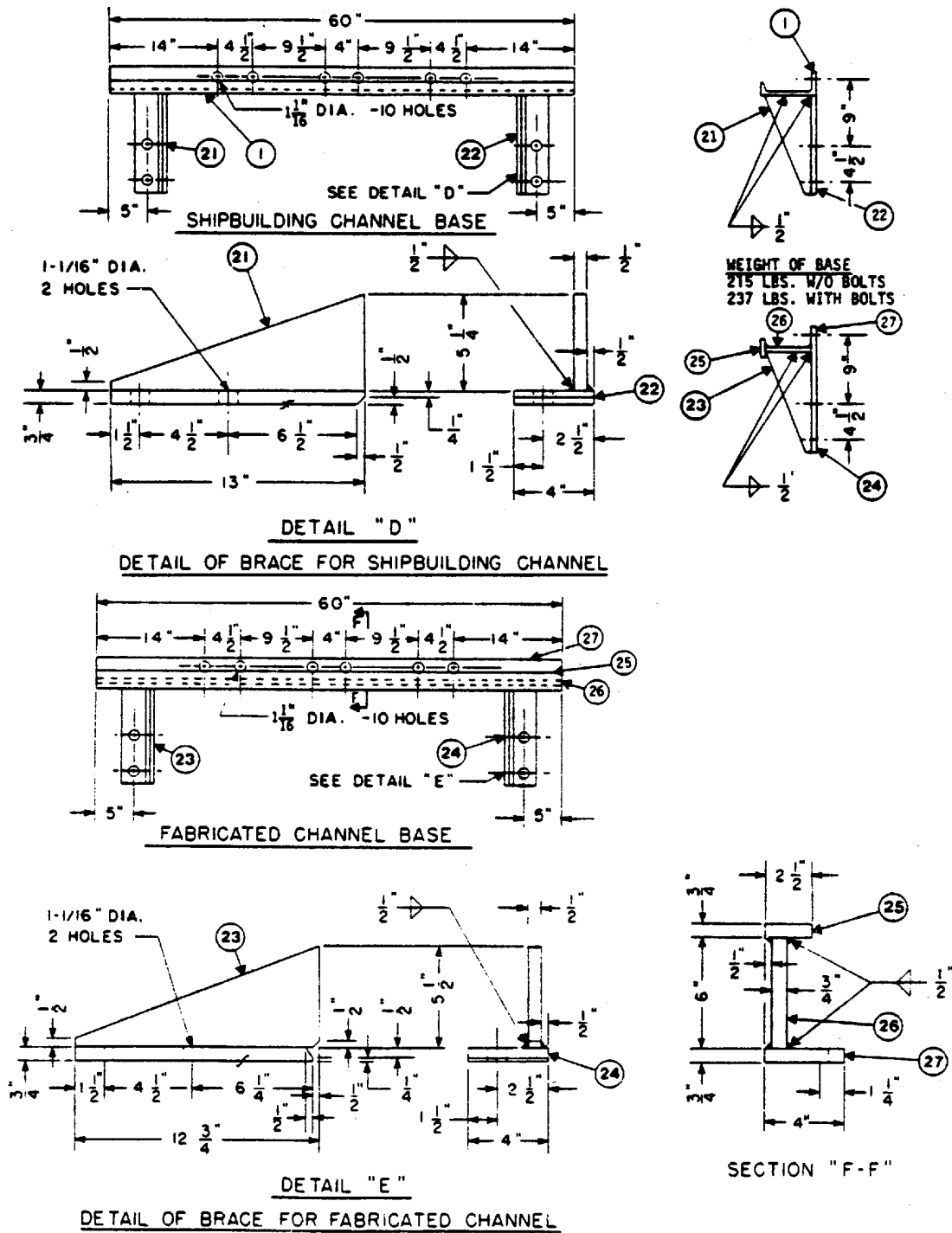
MIL-S-901D(NAVY)



SH 132031652

FIGURE 14. Section details of standard mounting platform for testing equipment on mediumweight shock testing machine. (Sheet 1 of 3)

MIL-S-901D(NAVY)



SH 132031652

FIGURE 14. Section details of standard mounting platform for testing equipment on mediumweight shock testing machine. (Sheet 2 of 3)

MIL-S-901D(NAVY)

PC. NO.	ITEM	SIZE (INCHES)	NO. REQ.
1	SHIPBUILDING CHANNEL	7 X 22.7°	2
2	CARBUILDING CHANNEL	4 X 13.8°	A/R
3	CLAMP	2" X 2 1/2" X 4 3/4"	A/R
4	BLOCK	1" X 1 3/4" X 5 1/8"	A/R
5	PAD	1/2" X 3/4" X 2 1/2"	A/R
6	PAD	1/2" X 1" X 2"	A/R
7	HEXAGON HEAD BOLT	1 1/4"-7 X 4 1/4" LG.	A/R
8	WASHER	1 3/8" I.D. X 2 5/16" O.D.	A/R
9	SPACER	2" X 4" X A/R	A/R
10	HEXAGON HEAD BOLT*	1/2"-13 X A/R	A/R
11	WASHER	9/16" I.D. X 1" O.D.	A/R
12	HEXAGON HEAD NUT	1/2"-13	A/R
13	CLAMP	See Fig 14 Sht 1	A/R
14	STANDARD CHANNEL	4" X 7.25"	A/R
15	CLAMP	1 3/4" X 1 3/4" X 4 3/8"	A/R
16	BLOCK	1" X 1 1/4" X 4 3/4"	A/R
17	PAD	1/2" X 3/4" X 1 3/4"	A/R
18	PAD	1/2" X 1" X 1 1/4"	A/R
19	HEXAGON HEAD BOLT*	7/8"-9 X 3 5/8" LG.	A/R
20	WASHER	15/16" I.D. X 1 9/16" O.D.	A/R
21	GUSSET	1/2" X 5 1/4" X 13"	A/R
22	PLATE	3/4" X 4" X 13"	A/R
23	GUSSET	1/2" X 5 1/2" X 12 3/4"	A/R
24	PLATE	7/8" X 4" X 12 1/4"	A/R
25	PLATE	7/8" X 2 1/2" X 60"	A/R
26	PLATE	3/4" X 6" X 60"	A/R
27	PLATE	7/8" X 4" X 60"	A/R
28	CLAMP	See Fig 14 Sht 1	A/R
29	CLAMP	See Fig 14 Sht 1	A/R
30	CLAMP	See Fig 14 Sht 1	A/R
31	CLAMP	See Fig 14 Sht 1	A/R

MATERIAL SHALL BE STEEL
*Heat treated steel

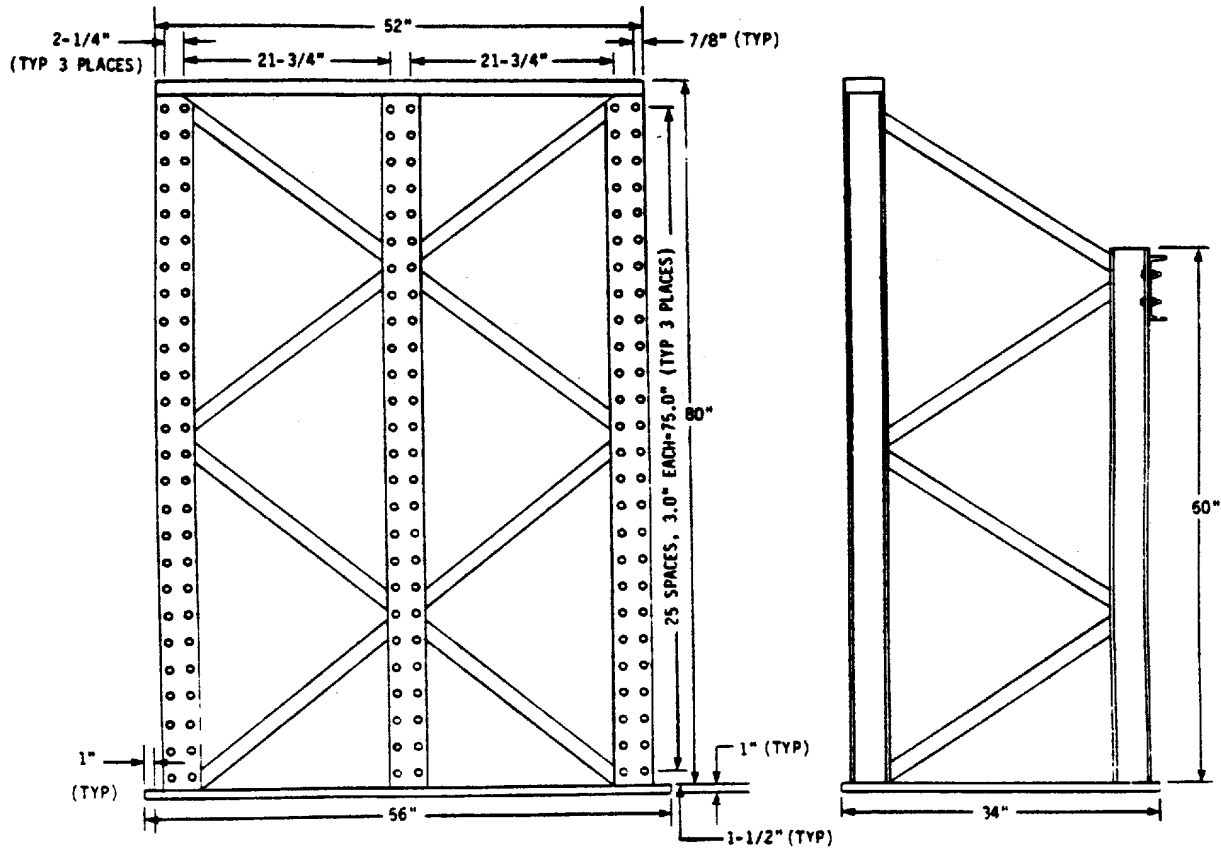
NOTES:

1. TOP FLANGE OF PC. NO. 1 SHALL BE BURNED OR CUT OFF TO A WIDTH OF 1 3/4"
2. PC. NOS. 3 AND 4 SHALL BE SHAPED TO FIT INNER SURFACES OF PC. NOS. 1 AND 2 RESPECTIVELY. (SEE NOTE 5)
3. PC. NOS. 15 AND 16 SHALL BE SHAPED TO FIT INNER SURFACES OF PC. NOS. 1 AND 14 RESPECTIVELY. (SEE NOTE 5)
4. USE OF EITHER PC. NO. 1 OR THE FABRICATED CHANNEL, SECTION "F-F" OF FIG. 9-2 IS OPTIONAL DEPENDENT UPON AVAILABILITY OF MATERIAL OR EASE OF FABRICATION.
5. IF THE FABRICATED CHANNEL, SECTION "F-F" IS USED, PC. NOS. 3 AND 15 SHOULD BE SHAPED TO FIT THE INNER SURFACE OF THE FABRICATED CHANNEL, SECTION "F-F", RATHER THAN PC. NO. 1. PC. NOS. 6 AND 18 SHALL EACH BE SHIFTED INWARD 3/4".
6. USE OF BACK TO BACK SUPPORTING CHANNELS WHICH ARE PERMANENTLY WELDED TOGETHER AT THE ENDS RATHER THAN BOLTED TOGETHER, IS OPTIONAL.

SH 132031652 FOR ADDITIONAL DETAILS, SEE BUSHIPS DWG N0807-655947

FIGURE 14. Section details of standard mounting platform for testing equipment on mediumweight shock testing machine. (Sheet 3 of 3)

MIL-S-901D(NAVY)



PC. NO.	ITEM	SIZE	NO. REQ'D
1	H-BEAM	4.0x4.0x.25 WEB, 78.0 LONG	3
2	H-BEAM	4.0x4.0x.25 WEB, 60.0 LONG	3
3	CHANNEL	4.0x1-5/8x.25 WEB, 52.0 LONG	1
4	CHANNEL	4.0x1-5/8x.25 WEB, 29-3/8 LONG	2
5	CHANNEL	4.0x1-5/8x.25 WEB, 30-3/4 LONG	12
6	CHANNEL	4.0x1-5/8x.25 WEB, 30-1/4 LONG	12
7	PLATE	1.0x8.0 34.0 LONG	3
8	BAR	1.0x2.0 16.0 LONG	4
9	STIFFENER	1.0 DIA. 3-1/2 LONG	10
10	PAD	1 3/4x2.0x4.0	2
11	CHANNEL	7.0x2-1/8x.25 WEB, 52 LONG	1

MATERIAL: STEEL
 WEIGHT: 1088 lbs.

FOR ADDITIONAL DETAILS, SEE BUSHIPS DWG N0807-655947.

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FIGURE 15. Standard mounting fixture for testing bulkhead mounted equipment on mediumweight shock testing machine.

MIL-S-901D(NAVY)

PIECE NO.	SIZE	MATERIAL	NO. REQUIRED
1	1 X 4 X 70	HRS 1010	2
2	1/2 X 9-1/2 X 12-1/2		2
3	1/2 X 8 X 13-1/2		2
4	1/2 X 8 X 18-1/2		2
5	1/2 X 8 X 24-1/2		2
6	1/2 X 8 X 29		2
7	1/2 X 14 X 36		2
8	1 X 26 X 60		2
9	1/2 X 22 X 36		2
10	1/2 X 7 X 6-1/2		2
11	3/4 X 60 X 41	HRS 1010	2
12	1/4 X 60 X 60	61 ST	1
13	1/2 X 5 X 27	HRS 1010	2

MATERIAL: STEEL
WEIGHT OF FIXTURE (BOTH PIECES) 1400 POUNDS

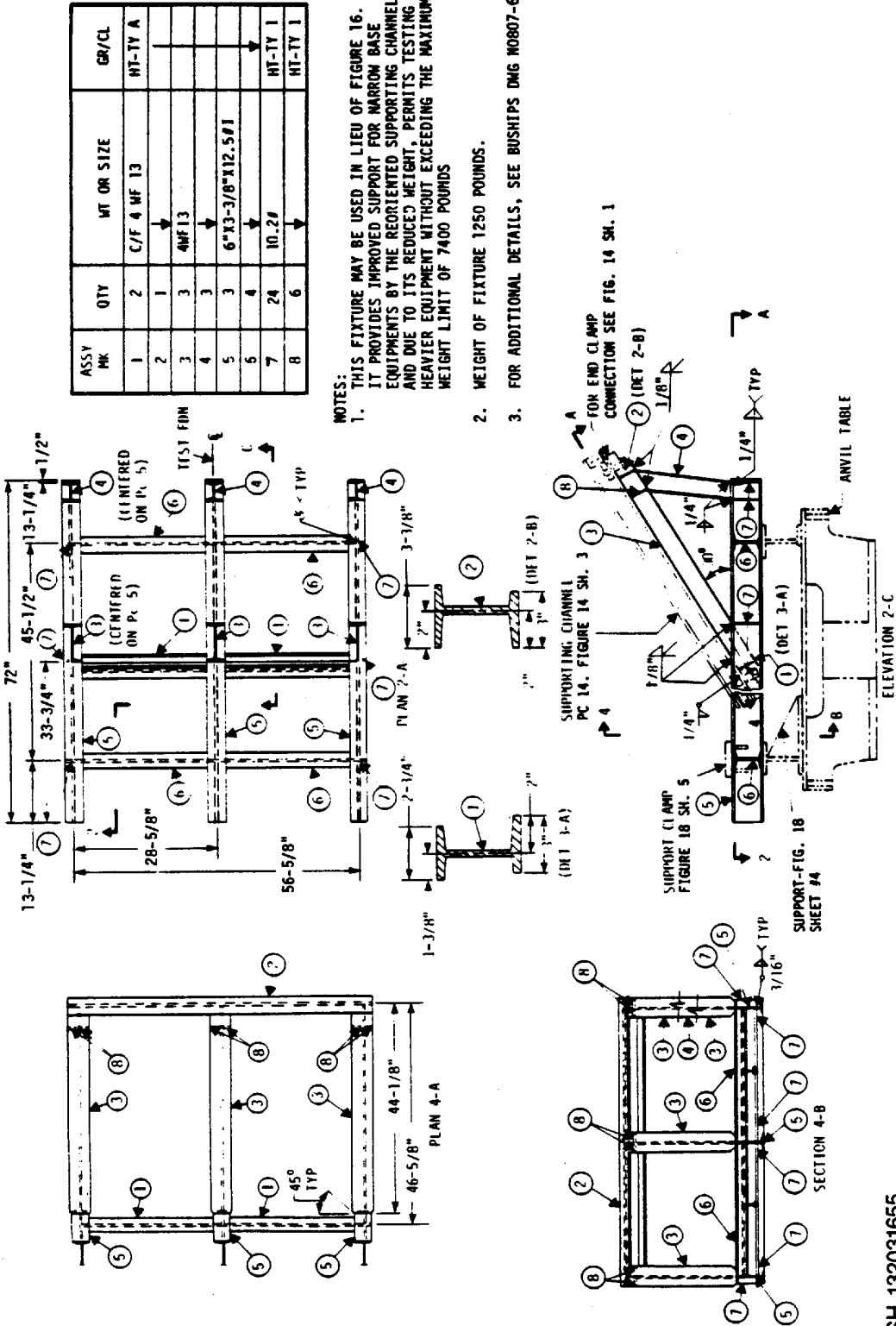
NOTES:

- THIS FIXTURE, WHEN USED, REPLACES THE SHIPBUILDING OR FABRICATED CHANNELS SHOWN ON FIGURES 13 AND 14. EQUIPMENT AND SUPPORTING CHANNELS ARE MOUNTED TO THIS FIXTURE AS SHOWN ON FIGURE 13.
- THIS FIXTURE MAY BE USED TO TEST BULKHEAD MOUNTED EQUIPMENT AT 30 DEGREE INCLINATION BY ADDING BULKHEAD FIXTURE SHOWN ON FIGURE 15. SEE FIGURE 18 FOR ALTERNATE 30 DEGREE MOUNTING PLATFORM FOR BULKHEAD SUPPORTING EQUIPMENT.
- FULLY ANNEAL ASSEMBLY AFTER WELDING.
- FINISH MACHINE AFTER ANNEALING.
- PIECE NO. 12 IS NOT A PART OF THE FIXTURE. IT IS A TEMPLATE HAVING A HOLE PATTERN IDENTICAL TO THE HI SHOCK TEST MACHINE PLATFORM. LOCATE ALL 1-1/16 INCH DIAMETER HOLES FROM SHOCK MACHINE PLATFORM.
- ALL WELDS TO BE 1/2 INCH COMPLETELY AROUND EACH EDGE.
- TWO-INCH DIAMETER HOLE SHALL BE TORCH CUT AFTER WELDING. THE HOLE SHALL BE LOCATED NEAR THE CENTER OF GRAVITY.
- ALL EDGES AND CORNERS SHALL BE BROKEN SUITABLE FOR HANDLING.
- PARALLELISM SHALL BE MAINTAINED AT SURFACES "B" AND EDGES "A" WITHIN 1/32 INCH.
- FOR ADDITIONAL DETAILS, SEE BUSHIPS DWG N0807-655947.

SH 132031654

FIGURE 16. 30 degree mounting fixture for testing base mounted equipment on mediumweight shock testing machine. (Sheet 2 of 2)

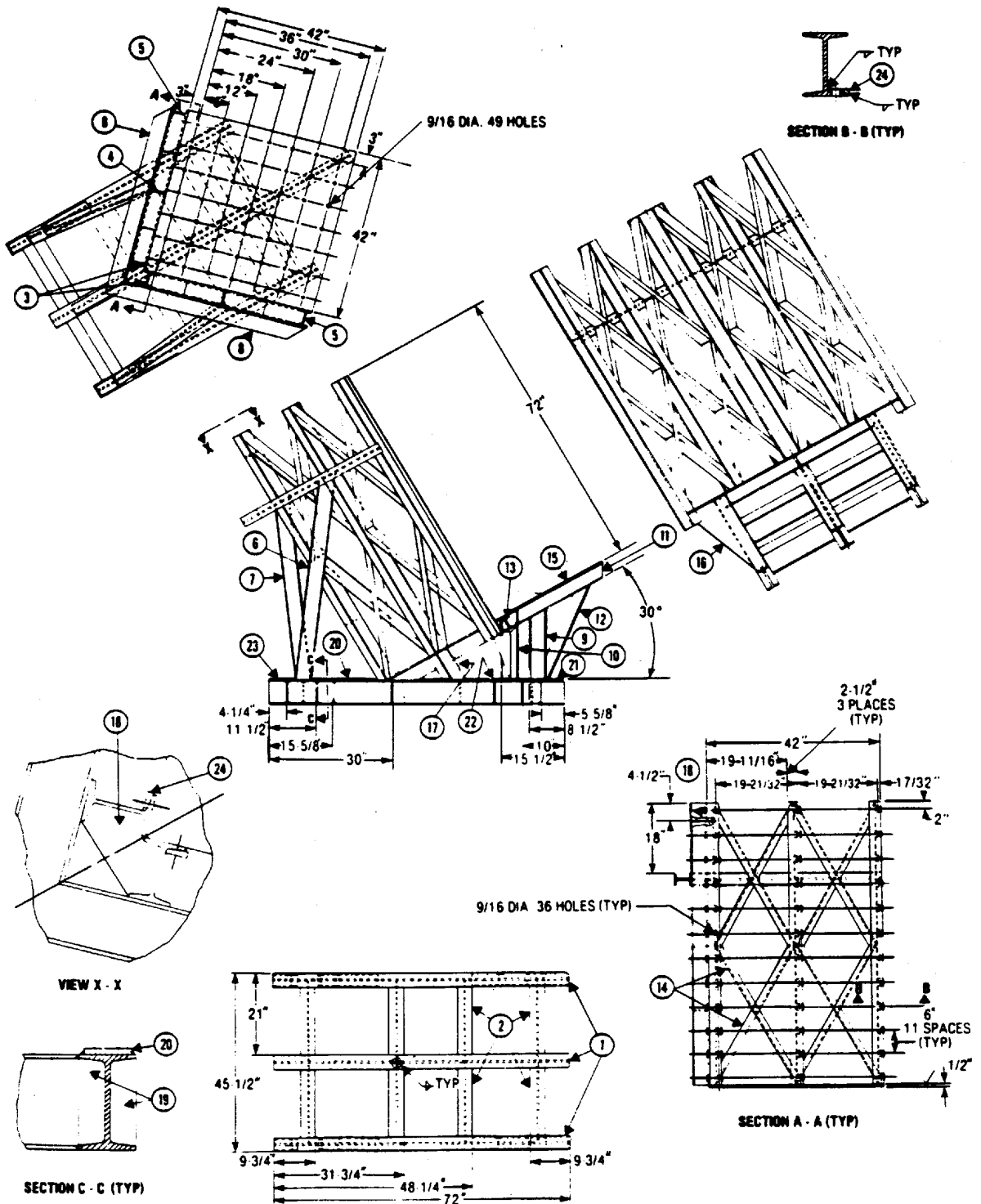
MIL-S-901D(NAVY)



SH 132031655

FIGURE 17. 30 degree mounting fixture for testing base mounted equipment on mediumweight shock testing machine.

MIL-S-901D(NAVY)



SH 132031656

FIGURE 18. 30 degree mounting fixture for testing bulkhead mounted equipment on mediumweight shock testing machine. (Sheet 1 of 5)

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LIST OF MATERIAL

PIECE NO.	ITEM	SIZE INCHES	LENGTH INCHES	NO. REQUIRED
1	H-BEAM	6.0 X 3-1/2 X 0.25 WEB	72	3
2	H-BEAM	6.0 X 3-1/2 X 0.25 WEB	20-3/4	8
3	H-BEAM	4.0 X 2-5/8 X 0.25 WEB	74	2
4	H-BEAM	4.0 X 2-5/8 X 0.25 WEB	82	2
5	H-BEAM	4.0 X 2-5/8 X 0.25 WEB	75	2
6	H-BEAM	4.0 X 2-5/8 X 0.25 WEB	52	2
7	H-BEAM	4.0 X 2-5/8 X 0.25 WEB	45	1
8	H-BEAM	4.0 X 2-5/8 X 0.25 WEB	50	2
9	H-BEAM	4.0 X 2-5/8 X 0.25 WEB	17-1/2	1
10	H-BEAM	4.0 X 2-5/8 X 0.25 WEB	16-3/4	2
11	T-BEAM	3.0 X 3.0 X 0.25 WEB	59	1
12	T-BEAM	3.0 X 3.0 X 0.25 WEB	24-3/4	1
13	T-BEAM	3.0 X 3.0 X 0.25 WEB	20-3/4	2
14	CHANNEL	4.0 X 1-3/4 X 0.25 WEB	41	16
15	PLATE	5/8 X 42	42	1
16	STIFFENER	3/8 X 8.0	15	2
17	STIFFENER	3/8 X 5-1/2	15	1
18	STIFFENER	3/8 X 5-1/4	5-1/4	4
19	STIFFENER	3/8 X 1-5/8	5-1/2	24
20	PAD	3/8 X 3.0	14-3/4	2
21	PAD	3/8 X 3.0	10-3/4	2
22	PAD	3/8 X 3.0	8-1/4	2
23	PAD	3/8 X 3.0	6	2
24	PAD	3/8 X 1-1/2	1-1/2	72

WEIGHT OF FIXTURE: 1733 POUNDS
MATERIAL: STEEL

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FIGURE 18. 30 degree mounting fixture for testing bulkhead mounted equipment on mediumweight shock testing machine. (Sheet 2 of 5)

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NOTES:

1. UNLESS OTHERWISE SPECIFIED HEREIN OR IN THE INDIVIDUAL EQUIPMENT SPECIFICATION, SURFACE ROUGHNESS, AS ROLLED OR DRAWN, PUNCH CUT OR MACHINED SHALL HAVE A 250 FINISH AND SHALL BE IN ACCORDANCE WITH ANSI B46.1.
2. THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28 AND ANSI Y14.6.
3. UNLESS OTHERWISE SPECIFIED HEREIN OR IN THE INDIVIDUAL EQUIPMENT SPECIFICATION, ALL FILLET WELDS SHALL BE 1/4-INCH.
4. MACHINED SURFACES SHALL NOT BE PAINTED.
5. FABRICATION PROCEDURES AND INSPECTION STANDARDS FOR WELDING SHALL BE IN ACCORDANCE WITH CLASS 1 OF MIL-W-21157. WELD SHALL BE THE MANUAL SHIELDED ARC PROCESS USING WELDING ELECTRODE TYPE 7018 OF MIL-E-22200/1.
6. STRESS RELIEF SHALL BE AT $1175^{\circ} \pm 25^{\circ}\text{F}$ FOR A MINIMUM OF 3 HOURS, THEN THE FURNACE SHALL BE COOLED.
7. WELDING SYMBOLS SHALL BE AS SPECIFIED IN AWS A2.4.
8. WELDING TERMS AND DIFINITIONS SHALL BE IN ACCORDANCE WITH AWS A3.0.
9. WELDED-JOINT DESIGNS SHALL BE AS SPECIFIED IN MIL-STD-22.
10. DIMENSIONS AND TOLERANCES SHALL BE AS SPECIFIED IN ANSI Y14.5.
11. THIS FIXTURE IS ATTACHED TO THE ANVIL PLATE OF THE MWSM BY MEANS OF SUPPORTS AND CLAMPS SHOWN ON SHEETS 4 AND 5.
12. FOR ADDITIONAL DETAILS, SEE BUSHIPS DWG N0807-655947.

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FIGURE 18. 30 degree mounting fixture for testing bulkhead mounted equipment on mediumweight shock testing machine. (Sheet 3 of 5)

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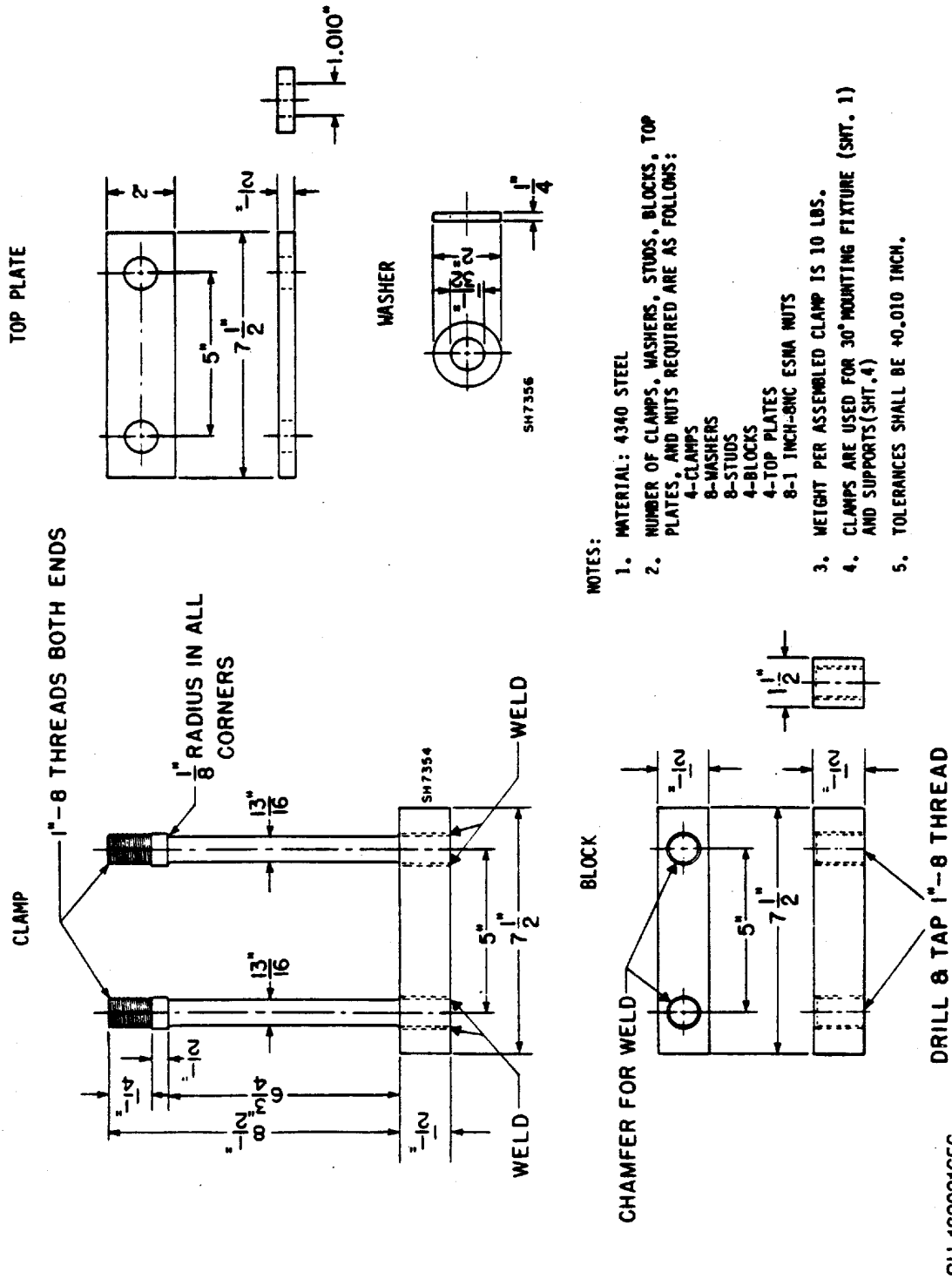


FIGURE 18. 30 degree mounting fixture for testing bulkhead mounted equipment on mediumweight shock testing machine. (Sheet 5 of 5)

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1. The item identified below has met the requirements of Military Specification MIL-S-901, based upon:
 - Shock testing of the item identified below
 - Previous shock testing of an item similar to the item identified below (shock test extension)
 - Previous shock testing of an item identical to the item identified below (shock test extension)
2. Item (Nomenclature) _____
3. Item (Description) _____
4. Manufacturer _____
5. Model _____ 6. Size/Capacity _____
7. Drawing Number _____ 8. Revision and Date _____
9. Military Specification _____
10. Ship _____ 11. Service _____
12. Contract No. _____
13. Shock Test Facility _____
14. Report No. _____
15. Previous Shock test approval reference (if this form conveys shock test extension approval) _____
16. Test Category Lightweight Mediumweight Heavyweight
17. Shock Grade A B
18. Equipment Class I II III
19. Shock Test Type A B C
20. Mounting Location Deck Hull Shell Wetted-Surface
21. Shipboard mounting plane represented during shock test:
 - Base Front or face Back
 - Top Combination Other _____
22. Mounting orientation of item relative to ship's fore-and-aft axis (for mediumweight and heavyweight test items only): _____
23. Approval Limitations: _____
24. Approved. _____

Authorized Signature Approval activity Date

FIGURE 19. Shock test acceptance information