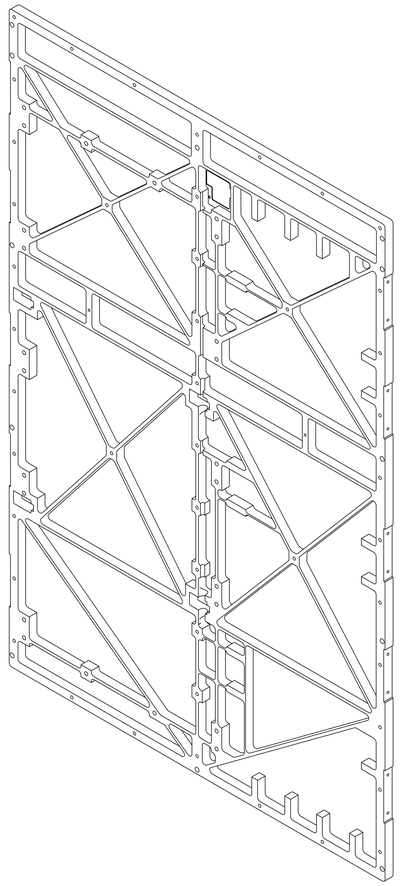
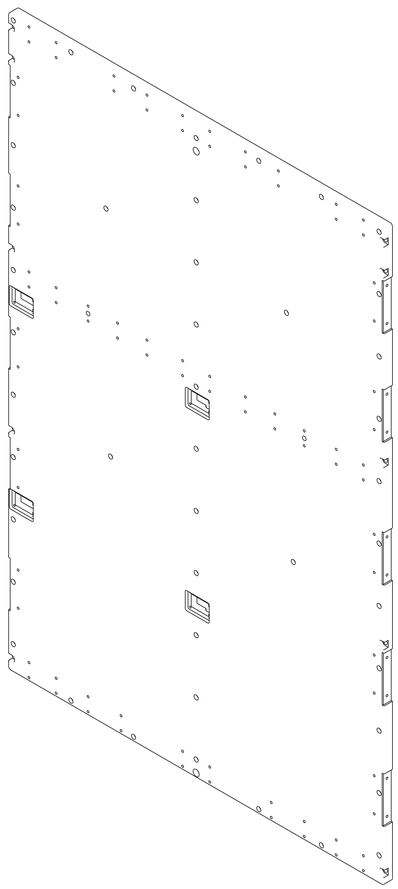
REV	ZONE	DESCRIPTION OF CHANGE
NC	B6-1	1. REVISED FLAG NOTE 1.
	H4-2	2. 10X 18.031 WAS 14X 18.031.
	H4-2	3. 12X 18.281 WAS 15X 18.281.
	H4-2	4. 13X 18.718 WAS 12X 18.718.
	H2-2	5. DELETED 34.623 DIM.
	G2-2	6. ADDED 50.326 DIM.
	F2-2	7. 37.211 WAS 37.400.
	E6-2	8. 36.511 WAS 36.169.
	F3-2	9. ADDED .375 DIM.
	E6-2	10. 3X 30.307 WAS 3X 30.432.
	E6-2	11. 28.000 WAS 2X 28.000.
	C2-2	12. DELETED 12.533 DIM.
	C2-2	13. DELETED 2X 12.103 DIM.
	A2-2	14. ADDED 33.526 DIM.
	B6-2	15. DELETED 2X 2.250 DIM.
	G6-2	16. 25X .250 WAS 29X .250.
	H2-2	17. 289X R.25 WAS 303 R.25.
	G2-2	18. DELETED 2X 51.844 DIM.
	C6-2	19. 3X 15.359 WAS 3X 15.234.
	G2-5	20. DELETED 2X 51.844 DIM
	F2-5	21. 37.400 WAS 2X 37.400.
	F2-5	22. 3X 37.422 WAS 2X 37.422.
	F2-5	23. ADDED 36.509 DIM.
	E2-5	24. 3X 30.307 WAS 3X 30.432.
	E5-5	25. 28.000 WAS 2X 28.000.
	C2-5	26. 3X 15.359 WAS 15.234.
	A3-5	27. 10X 18.656 WAS 11X 18.656.
	A3-5	28. 12X 18.281 WAS 13X 18.281.
	A3-5	29. 10X 18.031 WAS 13X 18.031.
	A3-5	30. 10X 17.656 WAS 11X 17.656.
	H5-5	31. 226X R.25 WAS 230X R.25.
	H2-6	32. 4X R.322 WAS 3X R.322.
	PL	33. ITEM 6 WAS 72 REQD FOR -301, 114 REQD FOR -302.
	G7-2	34. DELETED 48.390 DIM.
	F7-2	35. DELETED 39.296 DIM.
	D7-2	36. DELETED 27.347 DIM.
	C7-2	37. DELETED 17.250 DIM.
	B7-2	38. DELETED 7.153 DIM.
	B7-2	39. ITEM 6 CALLOUT WAS 15X.
	A8-2	40. 10X .406 WAS 15X .406.
	G8-3	41. DELETED 48.391 DIM.
	F8-3	42. DELETED 39.297 DIM.
	E8-3	43. DELETED 27.347 DIM.
	C8-3	44. DELETED 17.250 DIM.
	B8-3	45. DELETED 7.153 DIM.
	B7-3	46. ITEM 6 CALLOUT WAS 15X.
	A7-3	47. 10X .406 WAS 15X .406.
	G7-4	48. DELETED 48.390 DIM.
	F7-4	49. DELETED 39.296 DIM.
	E7-4	50. DELETED 27.347 DIM.
	C7-4	51. DELETED 17.250 DIM.
	B7-4	52. DELETED 7.153 DIM.
	B7-4	53. ITEM 6 CALLOUT WAS 15X.
	A7-4	54. 10X .406 WAS 15X .406.
	G7-5	55. DELETED 48.391 DIM.
	F7-5	56. DELETED 39.297 DIM.
	E7-5	57. DELETED 27.347 DIM.
	C7-5	58. DELETED 17.250 DIM.
	B7-5	59. DELETED 7.153 DIM.
	B7-5	60. ITEM 6 CALLOUT WAS 15X.
	A7-5	61. 10X .406 WAS 15X .406.



(-301) ISO VIEW
FOR REFERENCE ONLY
SCALE: NONE



(-302) ISO VIEW
FOR REFERENCE ONLY
SCALE: NONE

NOT FINAL

AR	AR	73X	INK, MARKING, BLACK		3	10
AR	AR	SUPER KOROPON 515-700/910-704	EPOXY PRIMER		2	9
	24	MS21209F5-15L	INSERT, THREAD, SELF-LKG, LUBE	CRES .312-24UNF-3B X .468		8
	45	MS21209F4-15L	INSERT, THREAD, SELF-LKG, LUBE	CRES .250-28UNF-3B X .38		7
114	72	MS21209F1-15L	INSERT, THREAD, SELF-LKG, LUBE	CRES .190-32UNF-3B X .285		6
16		MS21209C0815L	INSERT, THREAD, SELF-LKG, LUBE	CRES .164-32UNC-3B X .246		5
						4
						3
1		-002	PLATE, FRONT	7075-T3751 AL ALY .9 X 36.4 X 55.0	SAE-AMS-QQ-A-250/12	2
	1	-001	PLATE, REAR	7075-T3751 AL ALY .9 X 36.4 X 55.0	SAE-AMS-QQ-A-250/12	1
-		-302	LAUNCH/STOWAGE PLATE, FRONT			
	-	-301	LAUNCH/STOWAGE PLATE, REAR			
-302	-301	PART NUMBER	DESCRIPTION	MATERIAL	SPECIFICATION	ITEM

6. TOLERANCE FOR DIMENSIONS OVER 24.000 INCHES SHALL BE ±.010. TOLERANCE FOR DIMENSIONS OVER 36.000 INCHES SHALL BE ±.020 WITH THE EXCEPTION OF HOLES WHICH SHALL BE ±.010.
5. THIS ASSEMBLY DOES NOT CONTAIN FRACTURE CRITICAL PARTS.
4. CLEAN ALL SURFACES TO LEVEL GC PER NASA/JSC PRC-5001; WIPE CLEAN ALL SURFACES.
3. ALL DIMENSIONS ARE IN INCHES.
2. FABRICATION PER NASA/JSC SKZ36103755, JSC FABRICATION TOLERANCES AND PRACTICES.
1. INTERPRET DRAWING PER NASA/JSC JPG 8500.4, ENGINEERING DRAWING SYSTEM MANUAL.

NOTES: UNLESS OTHERWISE SPECIFIED

5 INSTALL HELICAL COIL INSERTS (ITEMS 5, 6, 7 AND 8) PER NASA/JSC PRC-9008. SEAL INSERTS WITH EPOXY PRIMER (ITEM 9) PER NASA/JSC PRC-4004. INSTALL THE INSERTS FROM THE SIDE INDICATED. ALL HELICAL COIL INSERTS ARE TO BE INSTALLED AS CLASS 3B.

4 PART NUMBER SHALL BE MARKED IN .12 INCH HIGH CHARACTERS BY RUBBER STAMPING USING INK (ITEM 10) PER NASA/JSC PRC-9002. LOCATE APPROXIMATELY AS SHOWN.

3 INDEPENDENT INK INC, GARDENA, CA

2 COURTAULDS AEROSPACE, GLENDALE, CA

1 ANODIZE ALL SURFACES PER NASA/JSC PRC-5006, TYPE II, CLASS 1.

FLAG NOTES:

UNLESS NOTED OTHERWISE DIM ARE IN INCHES, TOL ARE: .0 ± .1 .000 ± .005 .00 ± .02 ANGULAR ± .5°

SURFACE FINISH IN MICROINCHES RMS UNLESS NOTED OTHERWISE 125

FRACTURE CRITICAL ☐ YES ☒ NO

NEXT ASSY SEG46119549

PROJECT: HRF MARES RACK

LIBRARY: RPS SYSTEM

☒ FLT HDWR ☐ APPLICABLE GSE

☐ OTHER (SPECIFY) _____

SIGNATURES		DATE
DR	J.L. GLASGOW	03/11/25
ENG		
CH	CH Signature	CH Date
APP	APP Signature	APP Date
QE	QE Signature	QE Date
MATL	MATL Signature	MATL Date
STRESS	STRESS Signature	STRESS Date
AUTH	AUTH Signature	AUTH Date
	TEST APP	STAMP Date

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LYNDON B. JOHNSON SPACE CENTER HOUSTON, TEXAS

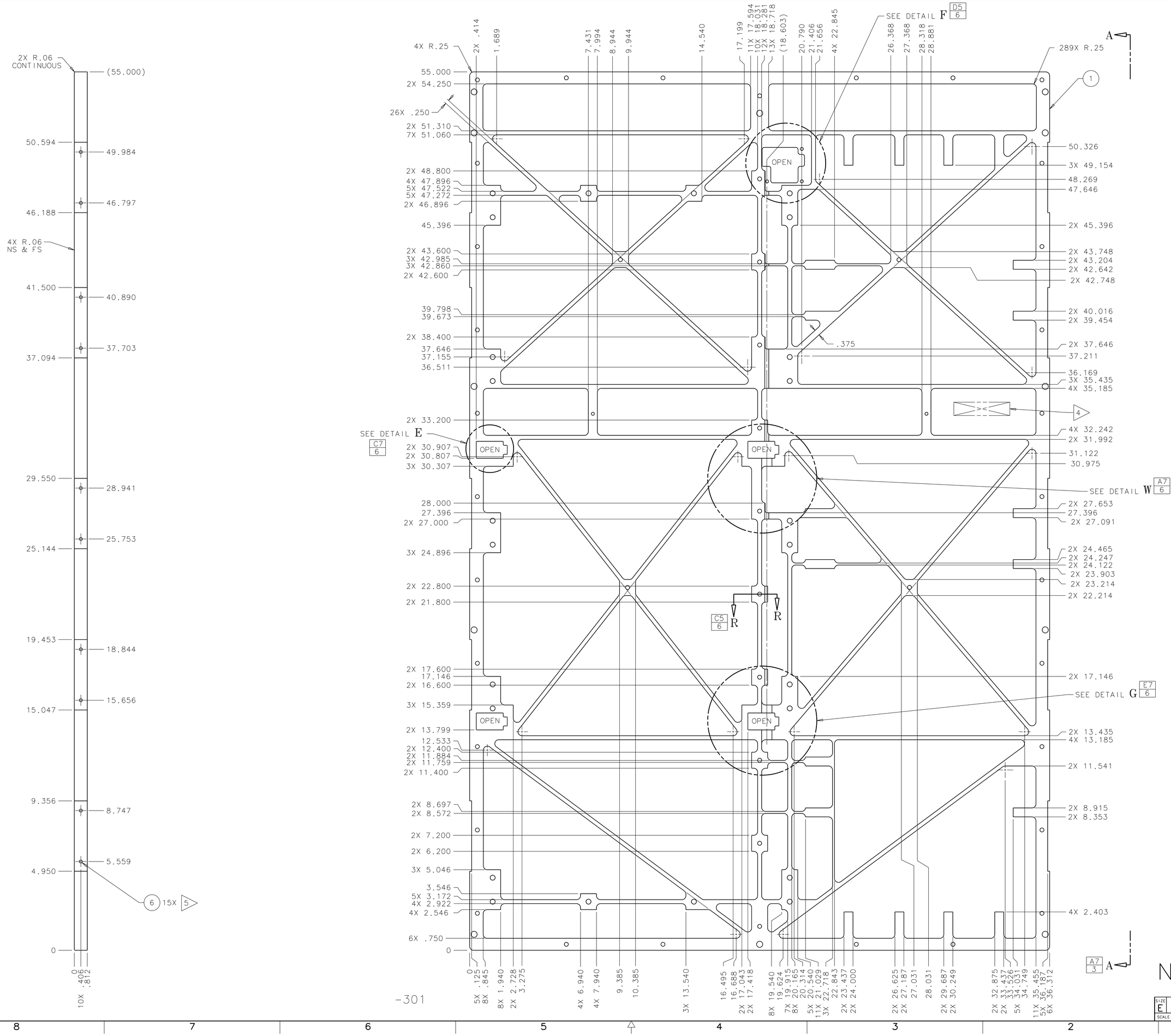
LAUNCH/STOWAGE PLATE-

PROJECT B132 HRF MARES RACK

SIZE E | CODE ID NO. 21356 | DWG NO. SDG46119537 | REV TST

SCALE: 1/2 | ORG EB | FMT S01MAR01 | SHEET 1 OF 6

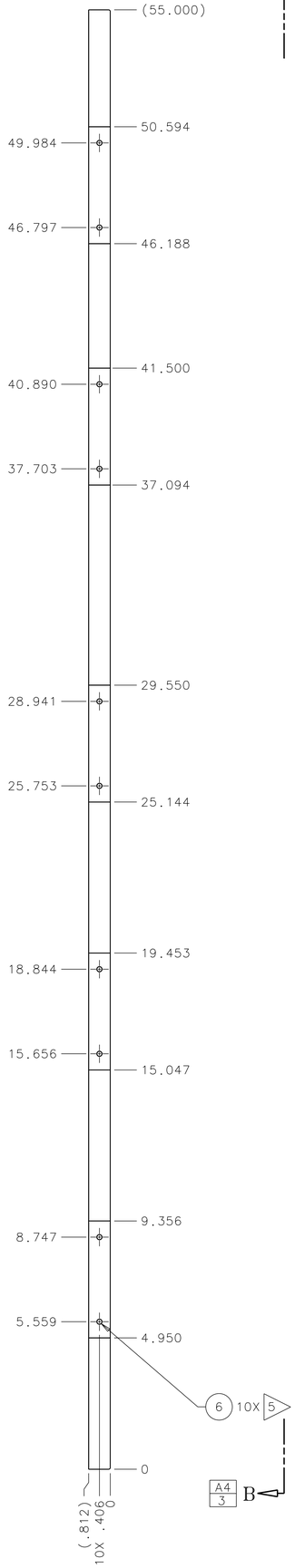
STATUS: Check for DCNs against the drawing.



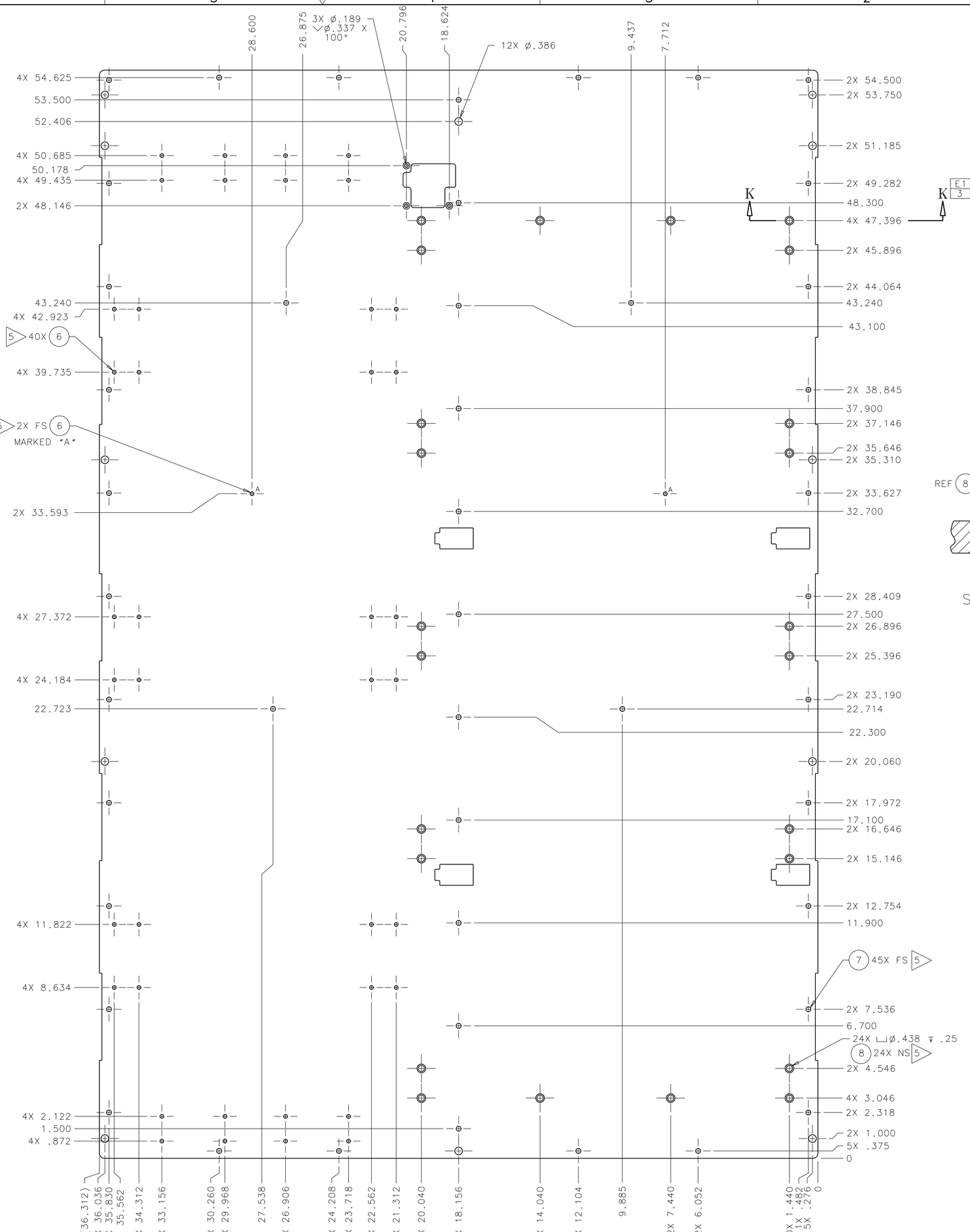
-301

NOT FINAL

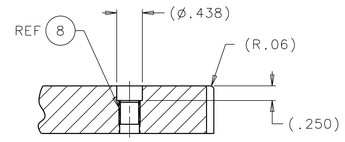
SIZE	CODE ID NO.	DWG NO.	REV.
E	21356	SDG46119537	TST
SCALE: 1/2	ORG EB	FMT S01MAR01	SHEET 2 OF 6



VIEW A–A A2 2 (-301)



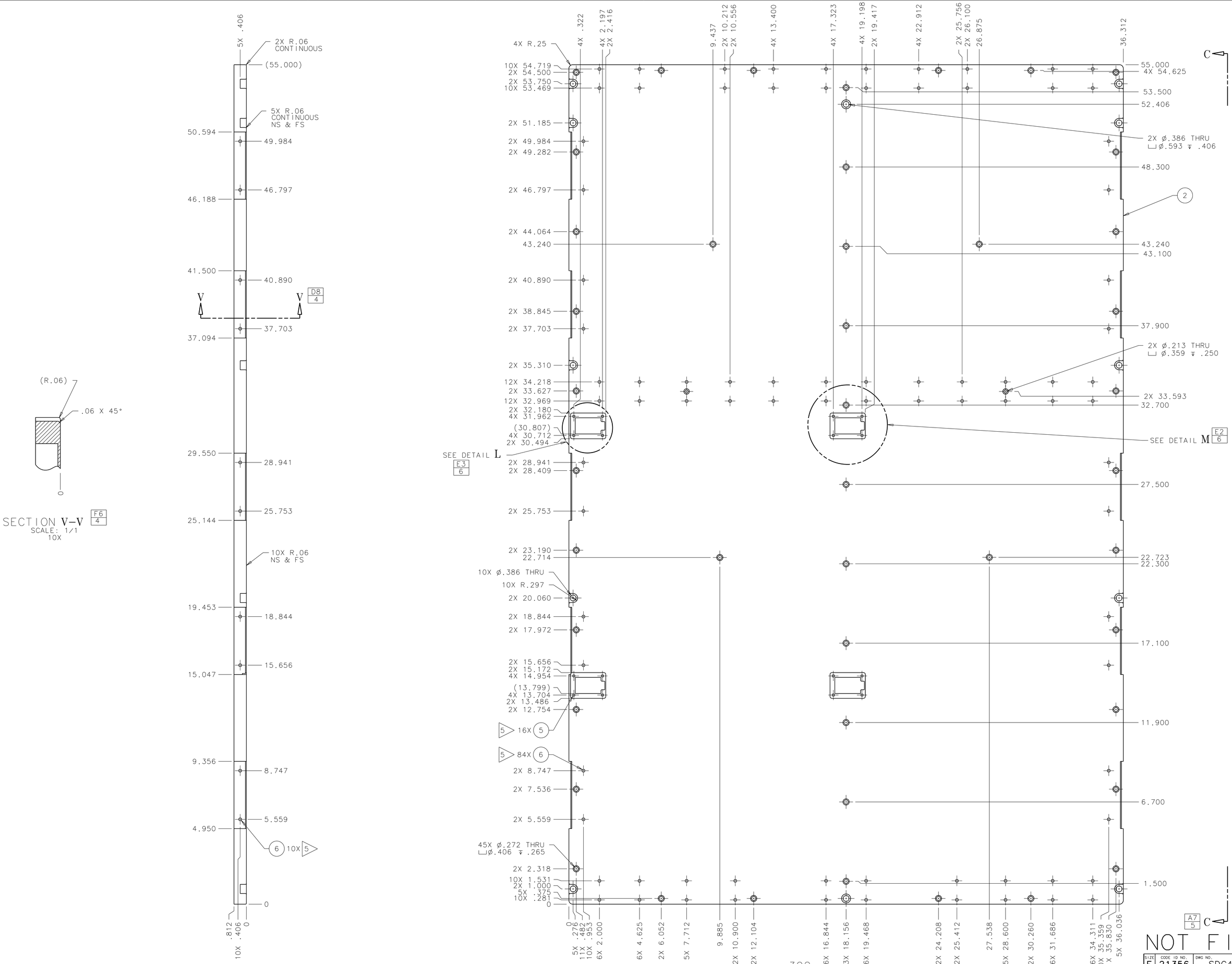
VIEW B–B A7 3 (-301)



SECTION K–K C2 3
SCALE: 1/1
24X

NOT FINAL

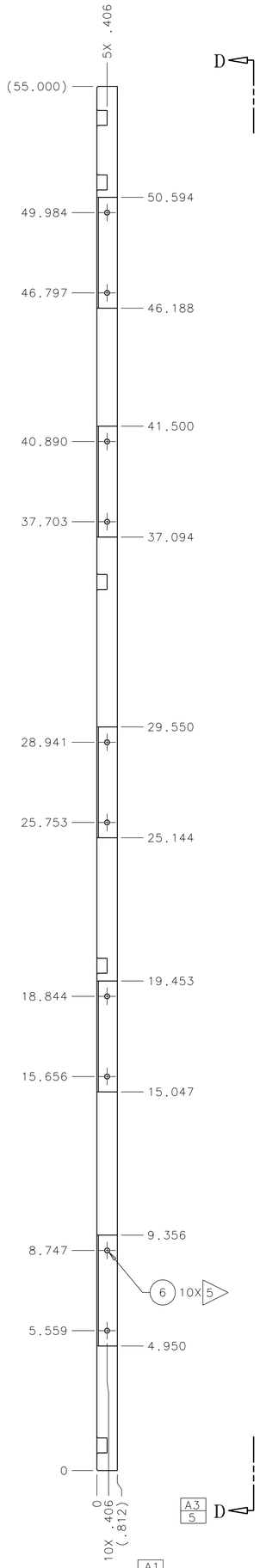
SIZE	CODE ID NO.	DWG NO.	REV
E	21356	SDG46119537	TST
SCALE: 1/2	ORG EB	FMT S01MAR01	SHEET 3 OF 6



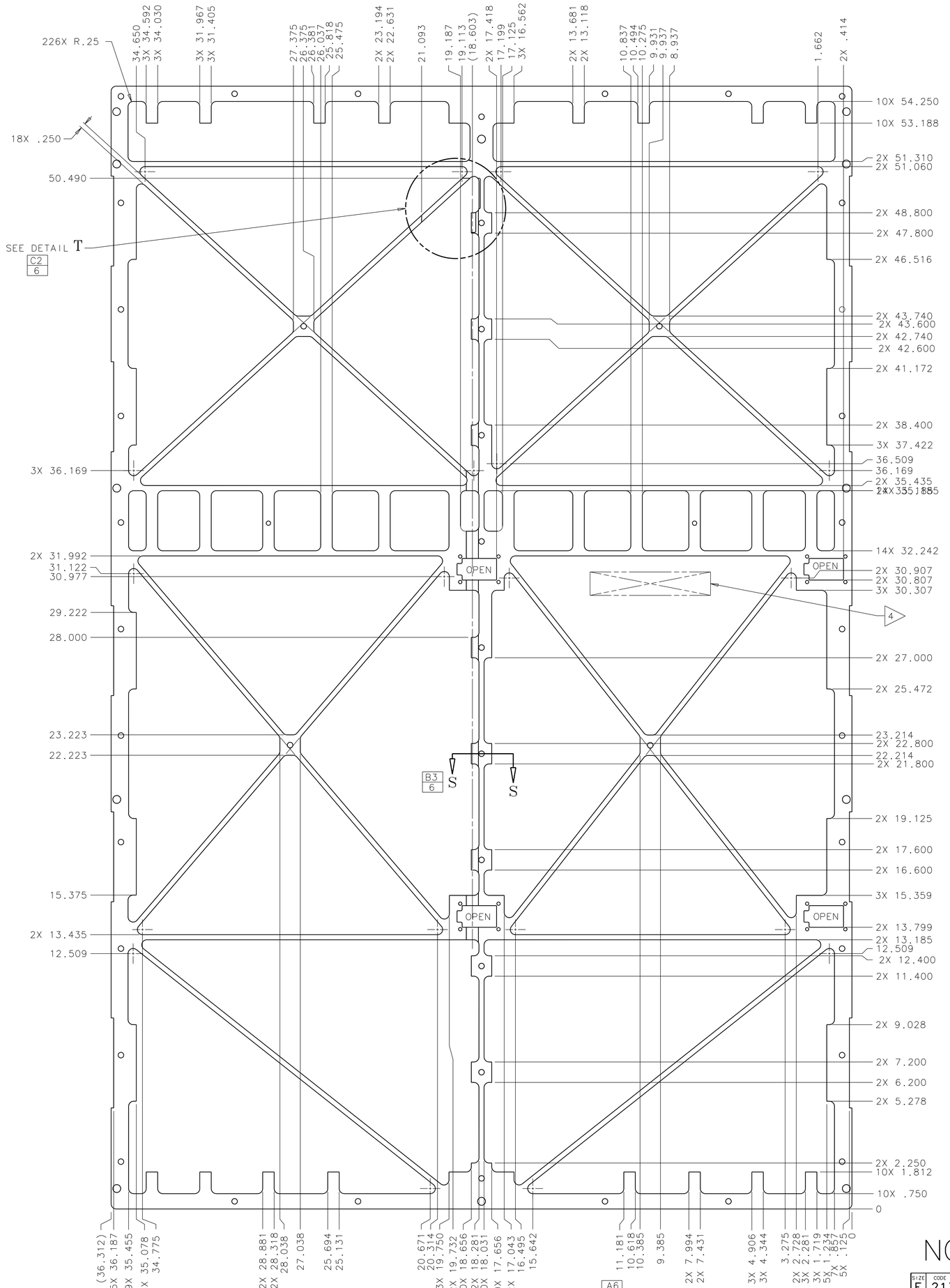
-302

NOT FINAL

SIZE	CODE ID NO.	DWG NO.	REV
E	21356	SDG46119537	TST
SCALE: 1/2	ORG EB	FMT S01MAR01	SHEET 4 OF 6



VIEW C–C A1 4 (-302)



VIEW D–D A6 5 (-302)

NOT FINAL

SIZE	CODE ID NO.	DWG NO.	REV
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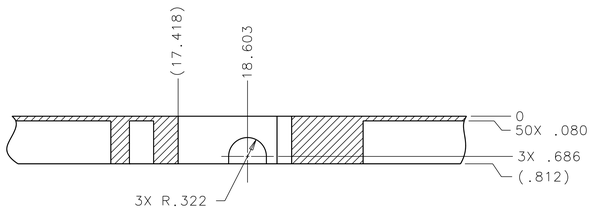
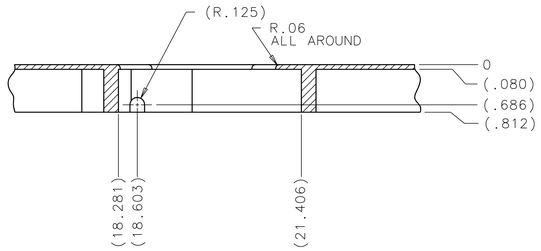
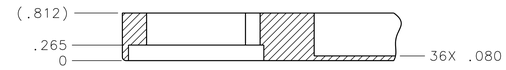
SCALE: 1/2	ORG EB	FMT S01MAR01	SHEET 5 OF 6



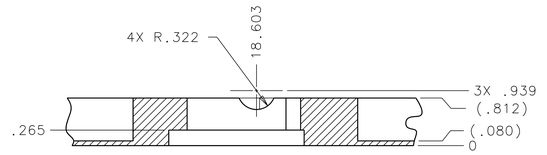
SECTION H–H [F7 / 6]
SCALE: 1/1



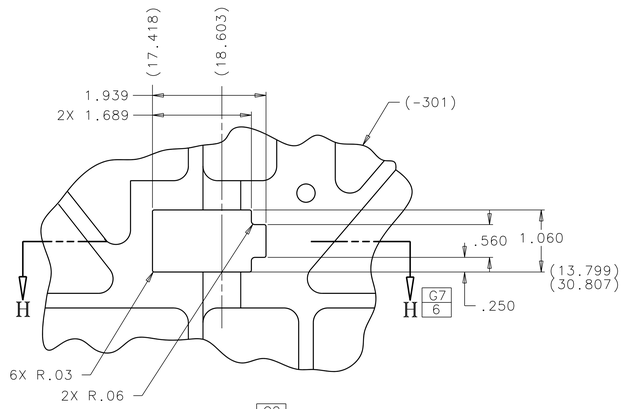
SECTION J–J [E5 / 6]
SCALE: 1/1



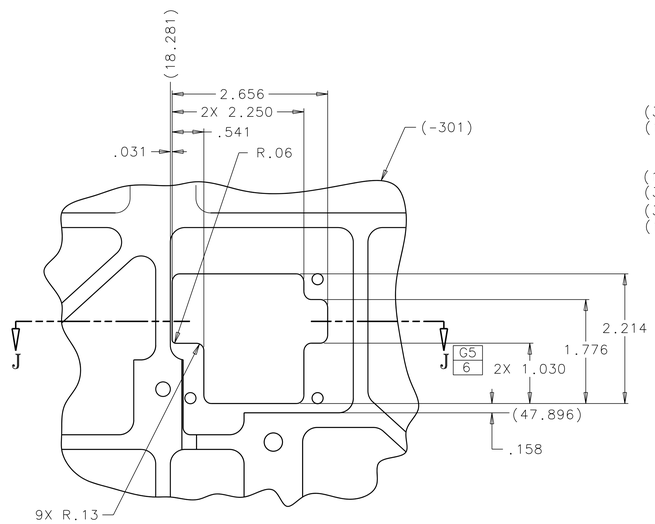
SECTION N–N [E3 / 6]
SCALE: 1/1



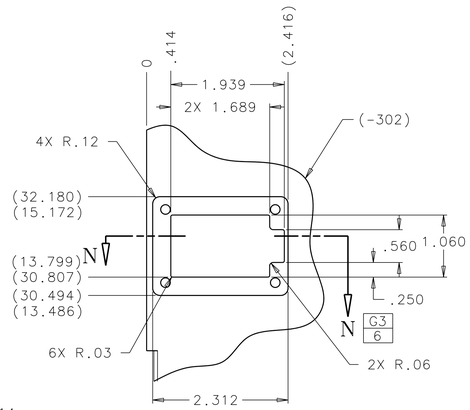
SECTION P–P [E1 / 6]
SCALE: 1/1



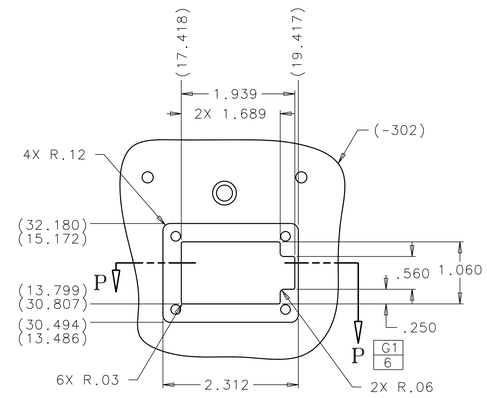
DETAIL G [C2 / 2]
SCALE: 1/1
2X



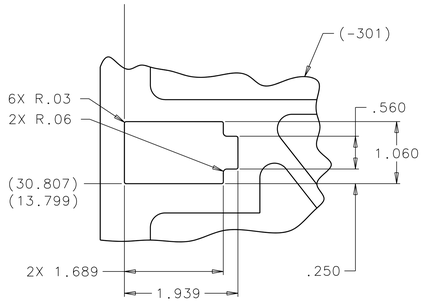
DETAIL F [H3 / 2]
SCALE: 1/1



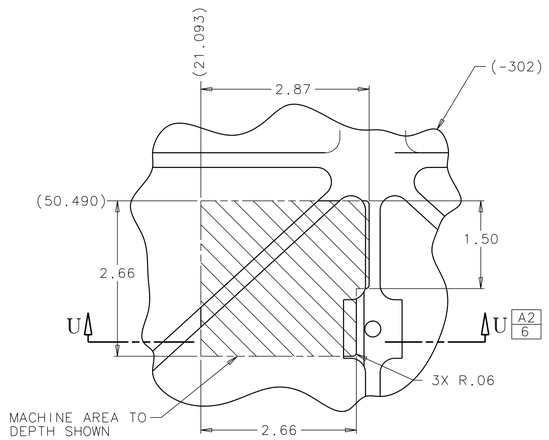
DETAIL L [E6 / 4]
SCALE: 1/1
2X



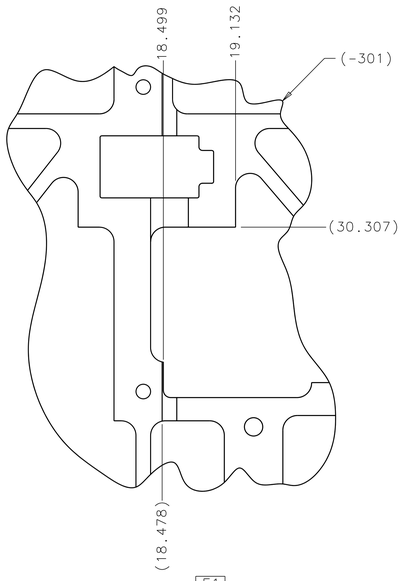
DETAIL M [E1 / 4]
SCALE: 1/1
2X



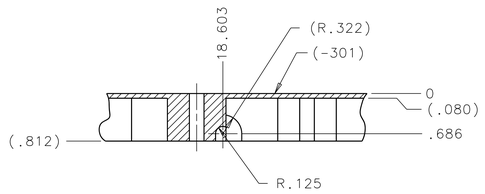
DETAIL E [E6 / 2]
SCALE: 1/1
2X



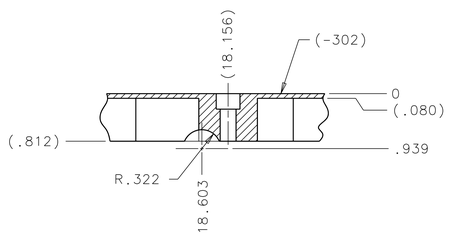
DETAIL T [G5 / 5]
SCALE: 1/1



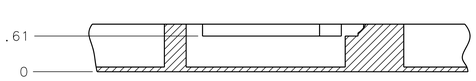
DETAIL W [E1 / 2]
SCALE: 1/1



SECTION R–R [D4 / 2]
SCALE: 1/1
7X



SECTION S–S [D4 / 5]
SCALE: 1/1
7X



SECTION U–U [C1 / 6]
SCALE: 1/1

NOT FINAL

SIZE	CODE ID NO.	DWG NO.	REV
E	21356	SDG46119537	TST
SCALE: 1/2	ORG EB	FMT SD1MAR01	SHEET 6 OF 6