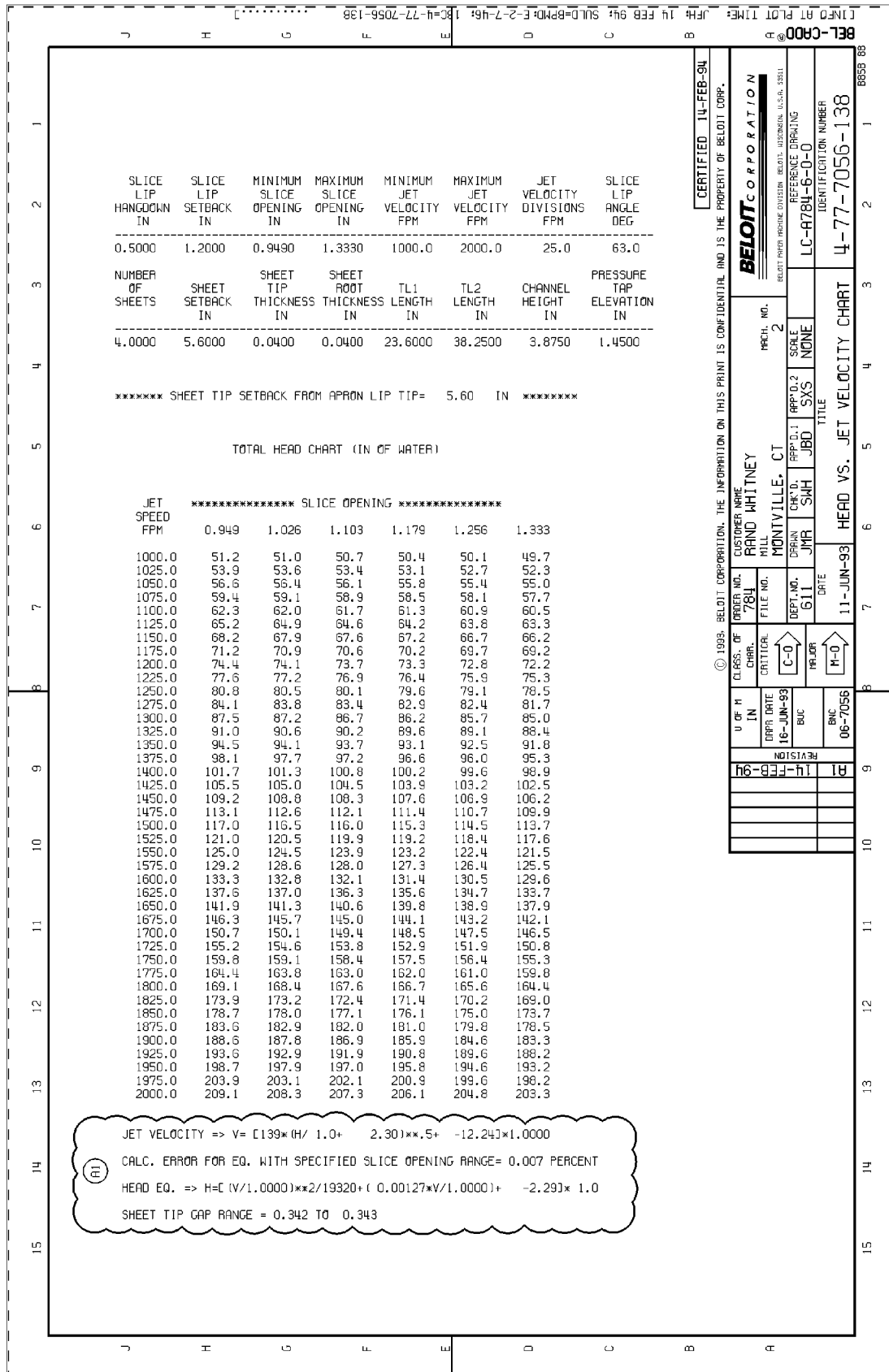




JET VELOCITY => $V = [139 \times (H / 1.0 + 2.30) \times .5 + -12.24] \times 1.0000$
 CALC. ERROR FOR EQ. WITH SPECIFIED SLICE OPENING RANGE = 0.007 PERCENT
 HEAD EQ. => $H = [(V / 1.0000) \times .2 / 19320 + (0.00127 \times V / 1.0000) + -2.29] \times 1.0$
 SHEET TIP GAP RANGE = 0.342 TO 0.343

SLICE LIP HANGDOWN IN	SLICE LIP SETBACK IN	MINIMUM SLICE OPENING IN	MAXIMUM SLICE OPENING IN	MINIMUM JET VELOCITY FPM	MAXIMUM JET VELOCITY FPM	JET VELOCITY DIVISIONS FPM	SLICE LIP ANGLE DEG
0.5000	1.2000	0.9490	1.3330	1000.0	2000.0	25.0	63.0
NUMBER OF SHEETS	SHEET SETBACK IN	SHEET TIP THICKNESS IN	SHEET FOOT THICKNESS IN	TL1 LENGTH IN	TL2 LENGTH IN	CHANNEL HEIGHT IN	PRESSURE TAP ELEVATION IN
4.0000	5.6000	0.0400	0.0400	23.6000	38.2500	3.8750	1.4500

***** SHEET TIP SETBACK FROM APRON LIP TIP= 5.60 IN *****

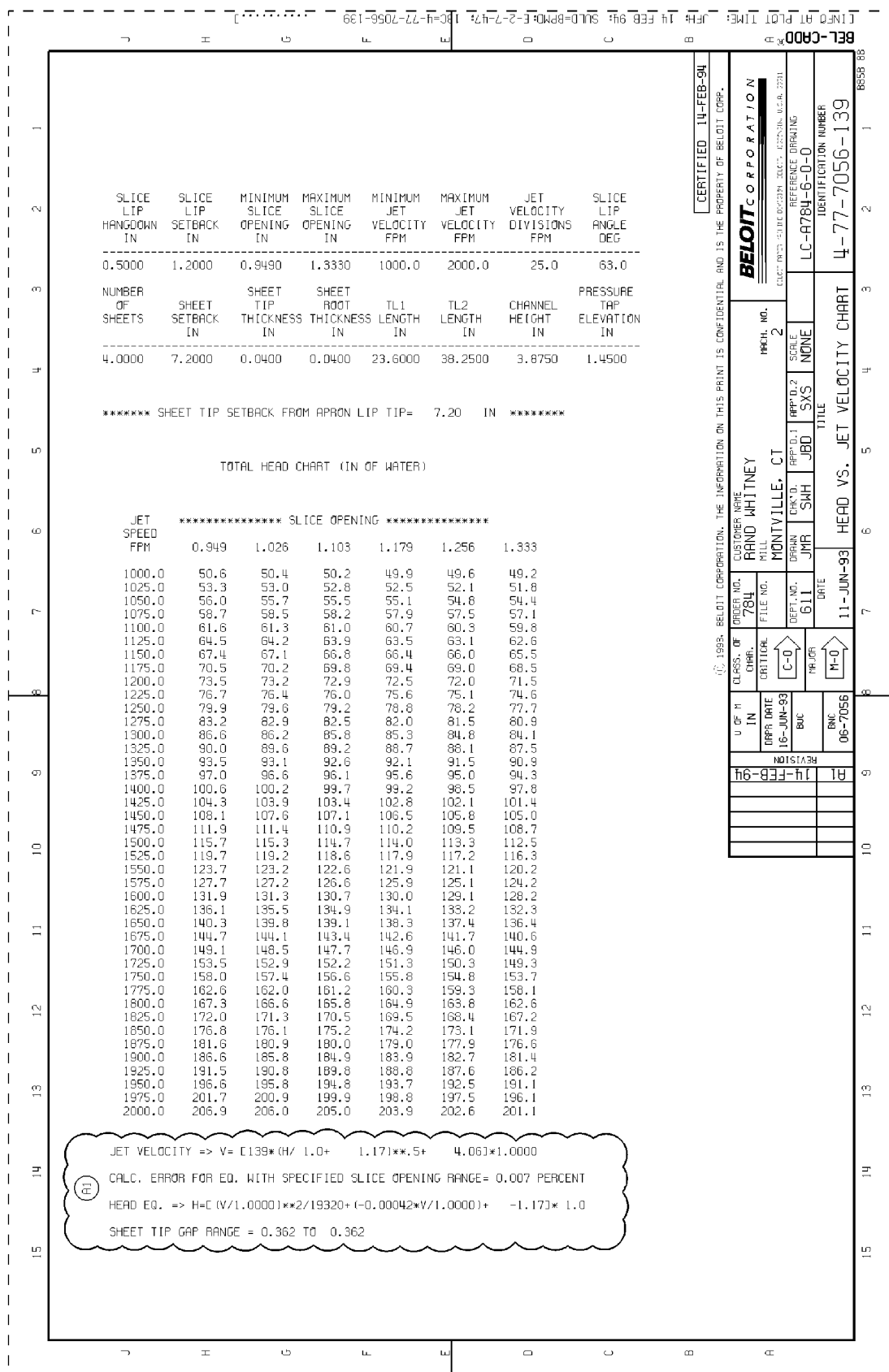
TOTAL HEAD CHART (IN OF WATER)

***** SLICE OPENING *****						
JET SPEED FPM	0.949	1.026	1.103	1.179	1.256	1.333
1000.0	51.2	51.0	50.7	50.4	50.1	49.7
1025.0	53.9	53.6	53.4	53.1	52.7	52.3
1050.0	56.6	56.4	56.1	55.8	55.4	55.0
1075.0	59.4	59.1	58.9	58.5	58.1	57.7
1100.0	62.3	62.0	61.7	61.3	60.9	60.5
1125.0	65.2	64.9	64.6	64.2	63.8	63.3
1150.0	68.2	67.9	67.6	67.2	66.7	66.2
1175.0	71.2	70.9	70.6	70.2	69.7	69.2
1200.0	74.4	74.1	73.7	73.3	72.8	72.2
1225.0	77.6	77.2	76.9	76.4	75.9	75.3
1250.0	80.8	80.5	80.1	79.6	79.1	78.5
1275.0	84.1	83.8	83.4	82.9	82.4	81.7
1300.0	87.5	87.2	86.7	86.2	85.7	85.0
1325.0	91.0	90.6	90.2	89.6	89.1	88.4
1350.0	94.5	94.1	93.7	93.1	92.5	91.8
1375.0	98.1	97.7	97.2	96.6	96.0	95.3
1400.0	101.7	101.3	100.8	100.2	99.6	98.9
1425.0	105.5	105.0	104.5	103.9	103.2	102.5
1450.0	109.2	108.8	108.3	107.6	106.9	106.2
1475.0	113.1	112.6	112.1	111.4	110.7	109.9
1500.0	117.0	116.5	116.0	115.3	114.5	113.7
1525.0	121.0	120.5	119.9	119.2	118.4	117.6
1550.0	125.0	124.5	123.9	123.2	122.4	121.5
1575.0	129.2	128.6	128.0	127.3	126.4	125.5
1600.0	133.3	132.8	132.1	131.4	130.5	129.6
1625.0	137.6	137.0	136.3	135.6	134.7	133.7
1650.0	141.9	141.3	140.6	139.8	138.9	137.9
1675.0	146.3	145.7	145.0	144.1	143.2	142.1
1700.0	150.7	150.1	149.4	148.5	147.5	146.5
1725.0	155.2	154.6	153.8	152.9	151.9	150.8
1750.0	159.8	159.1	158.4	157.5	156.4	155.3
1775.0	164.4	163.8	163.0	162.0	161.0	159.8
1800.0	169.1	168.4	167.6	166.7	165.6	164.4
1825.0	173.9	173.2	172.4	171.4	170.2	169.0
1850.0	178.7	178.0	177.1	176.1	175.0	173.7
1875.0	183.6	182.9	182.0	181.0	179.8	178.5
1900.0	188.6	187.8	186.9	185.9	184.6	183.3
1925.0	193.6	192.9	191.9	190.8	189.6	188.2
1950.0	198.7	197.9	197.0	195.8	194.6	193.2
1975.0	203.9	203.1	202.1	200.9	199.6	198.2
2000.0	209.1	208.3	207.3	206.1	204.8	203.3

CERTIFIED 14-FEB-94

BELLOTT CORPORATION
 BELLOTT PAPER MACHINE DIVISION, BELLOTT, WISCONSIN, U.S.A. 53511
 REFERENCE DRAWING: LC-A784-B-0-0
 IDENTIFICATION NUMBER: 4-77-7056-138
 TITLE: HEAD VS. JET VELOCITY CHART
 DATE: 11-JUN-93
 U OF H IN: 16-JUN-93
 CLASS OF CHART: C-0
 CRITICAL: C-0
 FILE NO.: 784
 ORDER NO.: 784
 CUSTOMER NAME: RAND WHITNEY
 PROJECT NO.: 2
 DEPT. NO.: 611
 CHK'D.: JMR
 DRAWN.: JMR
 SCALE: NONE
 APP'D.: JMR
 SXS: NONE

14-FEB-94
 11-JUN-93
 06-7056
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SLICE LIP HANGDOWN IN	SLICE LIP SETBACK IN	MINIMUM SLICE OPENING IN	MAXIMUM SLICE OPENING IN	MINIMUM JET VELOCITY FPM	MAXIMUM JET VELOCITY FPM	JET VELOCITY DIVISIONS FPM	SLICE LIP ANGLE DEG
0.5000	1.2000	0.9490	1.3330	1000.0	2000.0	25.0	63.0
NUMBER OF SHEETS	SHEET SETBACK IN	SHEET TIP THICKNESS IN	SHEET ROOT THICKNESS IN	TL1 LENGTH IN	TL2 LENGTH IN	CHANNEL HEIGHT IN	PRESSURE TAP ELEVATION IN
4.0000	7.2000	0.0400	0.0400	23.6000	38.2500	3.8750	1.4500

***** SHEET TIP SETBACK FROM APRON LIP TIP= 7.20 IN *****

TOTAL HEAD CHART (IN OF WATER)

JET SPEED FPM	0.949	1.026	1.103	1.179	1.256	1.333
1000.0	50.6	50.4	50.2	49.9	49.6	49.2
1025.0	53.3	53.0	52.8	52.5	52.1	51.8
1050.0	56.0	55.7	55.5	55.1	54.8	54.4
1075.0	58.7	58.5	58.2	57.9	57.5	57.1
1100.0	61.6	61.3	61.0	60.7	60.3	59.8
1125.0	64.5	64.2	63.9	63.5	63.1	62.6
1150.0	67.4	67.1	66.8	66.4	66.0	65.5
1175.0	70.5	70.2	69.8	69.4	69.0	68.5
1200.0	73.5	73.2	72.9	72.5	72.0	71.5
1225.0	76.7	76.4	76.0	75.6	75.1	74.6
1250.0	79.9	79.6	79.2	78.8	78.2	77.7
1275.0	83.2	82.9	82.5	82.0	81.5	80.9
1300.0	86.6	86.2	85.8	85.3	84.8	84.1
1325.0	90.0	89.6	89.2	88.7	88.1	87.5
1350.0	93.5	93.1	92.6	92.1	91.5	90.9
1375.0	97.0	96.6	96.1	95.6	95.0	94.3
1400.0	100.6	100.2	99.7	99.2	98.5	97.8
1425.0	104.3	103.9	103.4	102.8	102.1	101.4
1450.0	108.1	107.6	107.1	106.5	105.8	105.0
1475.0	111.9	111.4	110.9	110.2	109.5	108.7
1500.0	115.7	115.3	114.7	114.0	113.3	112.5
1525.0	119.7	119.2	118.6	117.9	117.2	116.3
1550.0	123.7	123.2	122.6	121.9	121.1	120.2
1575.0	127.7	127.2	126.6	125.9	125.1	124.2
1600.0	131.9	131.3	130.7	130.0	129.1	128.2
1625.0	136.1	135.5	134.9	134.1	133.2	132.3
1650.0	140.3	139.8	139.1	138.3	137.4	136.4
1675.0	144.7	144.1	143.4	142.6	141.7	140.6
1700.0	149.1	148.5	147.7	146.9	146.0	144.9
1725.0	153.5	152.9	152.2	151.3	150.3	149.3
1750.0	158.0	157.4	156.6	155.8	154.8	153.7
1775.0	162.6	162.0	161.2	160.3	159.3	158.1
1800.0	167.3	166.6	165.8	164.9	163.8	162.6
1825.0	172.0	171.3	170.5	169.5	168.4	167.2
1850.0	176.8	176.1	175.2	174.2	173.1	171.9
1875.0	181.6	180.9	180.0	179.0	177.9	176.6
1900.0	186.6	185.8	184.9	183.9	182.7	181.4
1925.0	191.5	190.8	189.8	188.8	187.6	186.2
1950.0	196.6	195.8	194.8	193.7	192.5	191.1
1975.0	201.7	200.9	199.9	198.8	197.5	196.1
2000.0	206.9	206.0	205.0	203.9	202.6	201.1

JET VELOCITY => $V = [139 * (H / 1.0 + 1.17) * .5 + 4.06] * 1.0000$
CALC. ERROR FOR EQ. WITH SPECIFIED SLICE OPENING RANGE= 0.007 PERCENT
HEAD EQ. => $H = C (V / 1.0000)^{.52} / 19320 + (-0.00042 * V / 1.0000) + -1.173 * 1.0$
SHEET TIP GAP RANGE = 0.362 TO 0.362

CERTIFIED 14-FEB-94

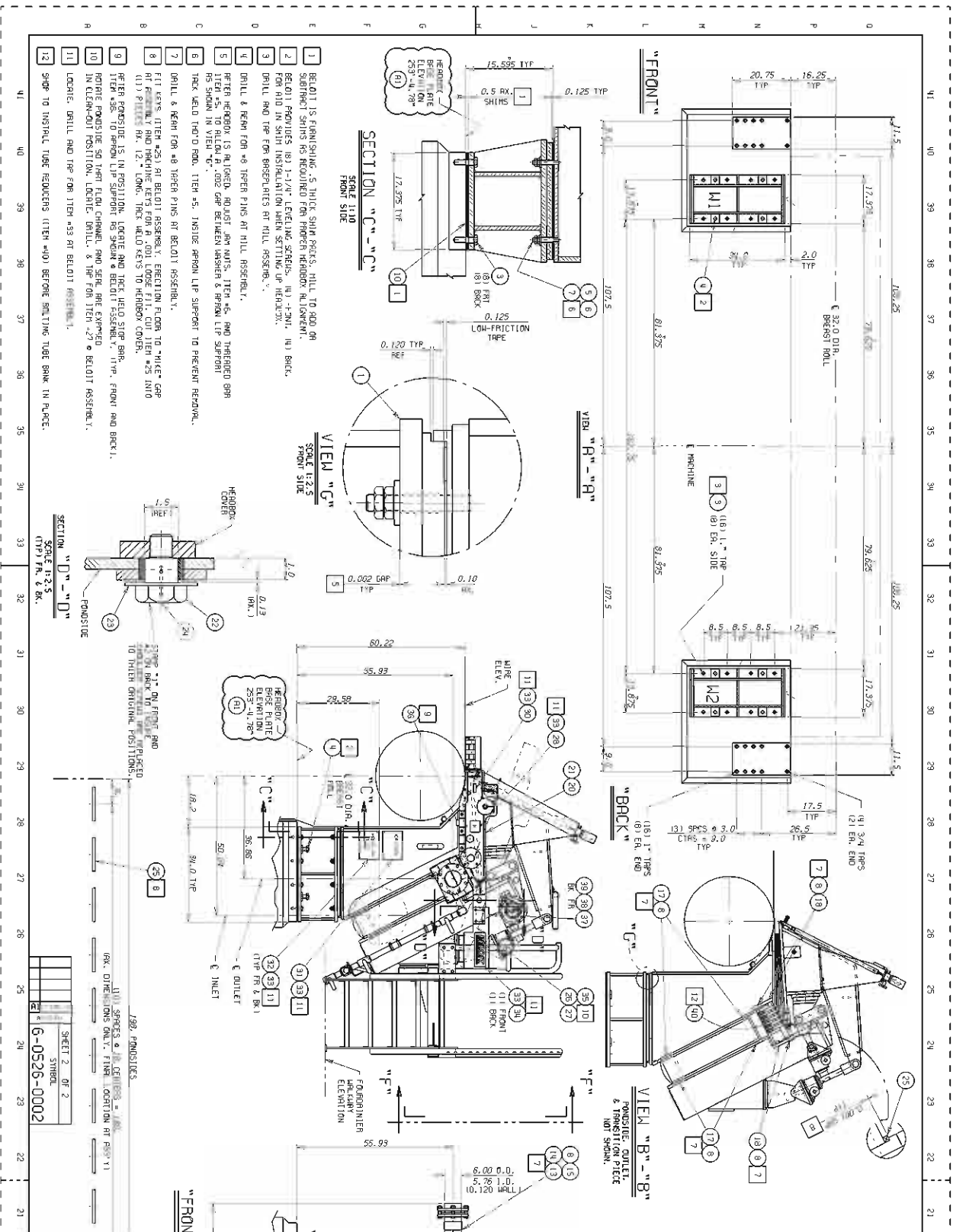
BELOIT CORPORATION

CLASS. OF ORDER NO. 78U
CRITICAL
FILE NO. 78U
DEPT. NO. 611
DATE 11-JUN-93
U OF H IN
DRAFT DATE 16-JUN-93
REV. 06-7056

CUSTOMER NAME RAND WHITNEY
MILL MONTVILLE, CT
DRAIN JMR
CHK'D. SWH
APPROD.1 JBD
APPROD.2 SXS
SCALE NONE
REFERENCE DRAWING LC-A784-B-0-0
IDENTIFICATION NUMBER 4-77-7056-139

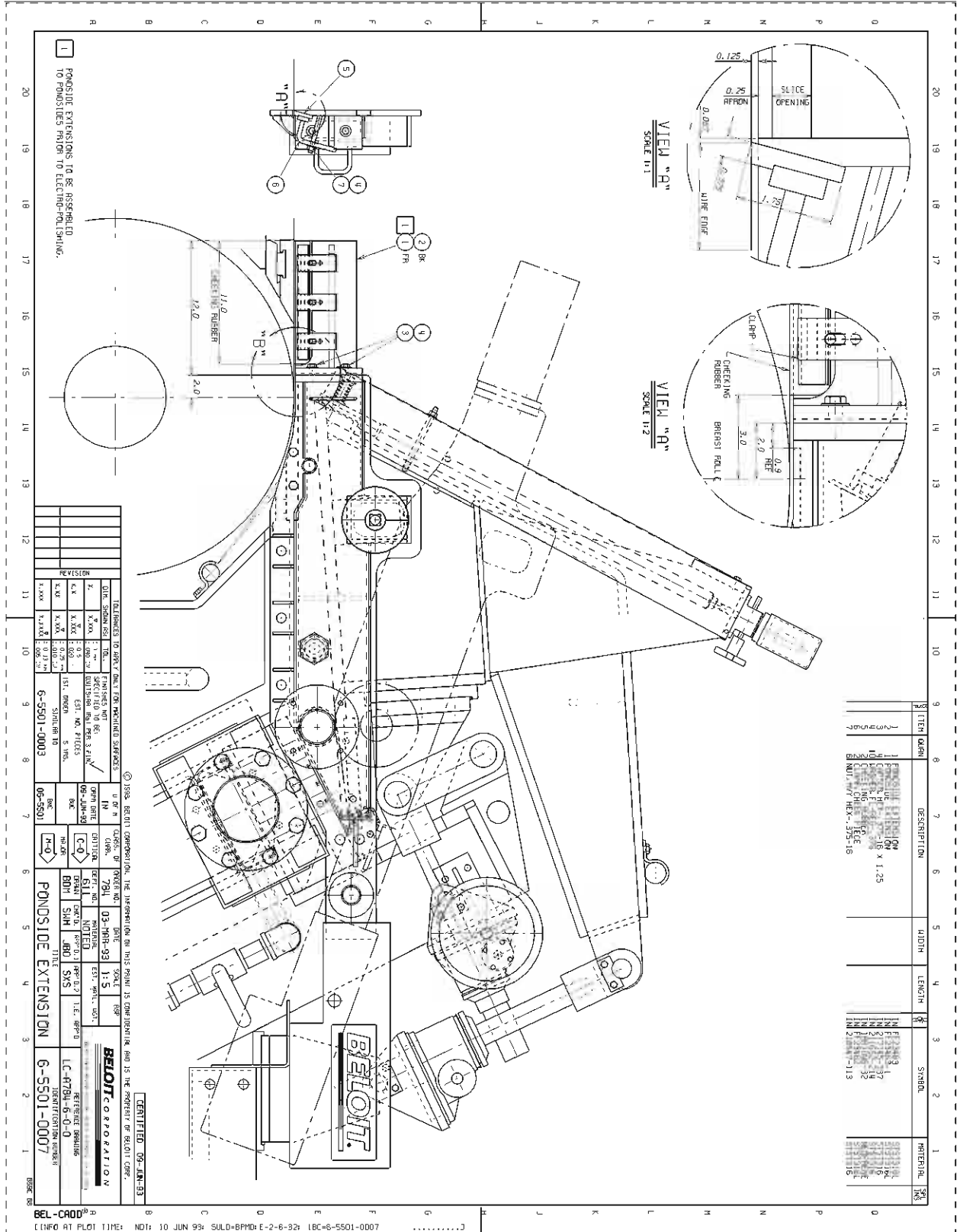
11-JUN-93
HEAD VS. JET VELOCITY CHART

8558 88



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| 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 |
| 3 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 |
| 4 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 |
| 5 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
| 6 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 |
| 7 | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 |
| 8 | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 |
| 9 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 |



20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

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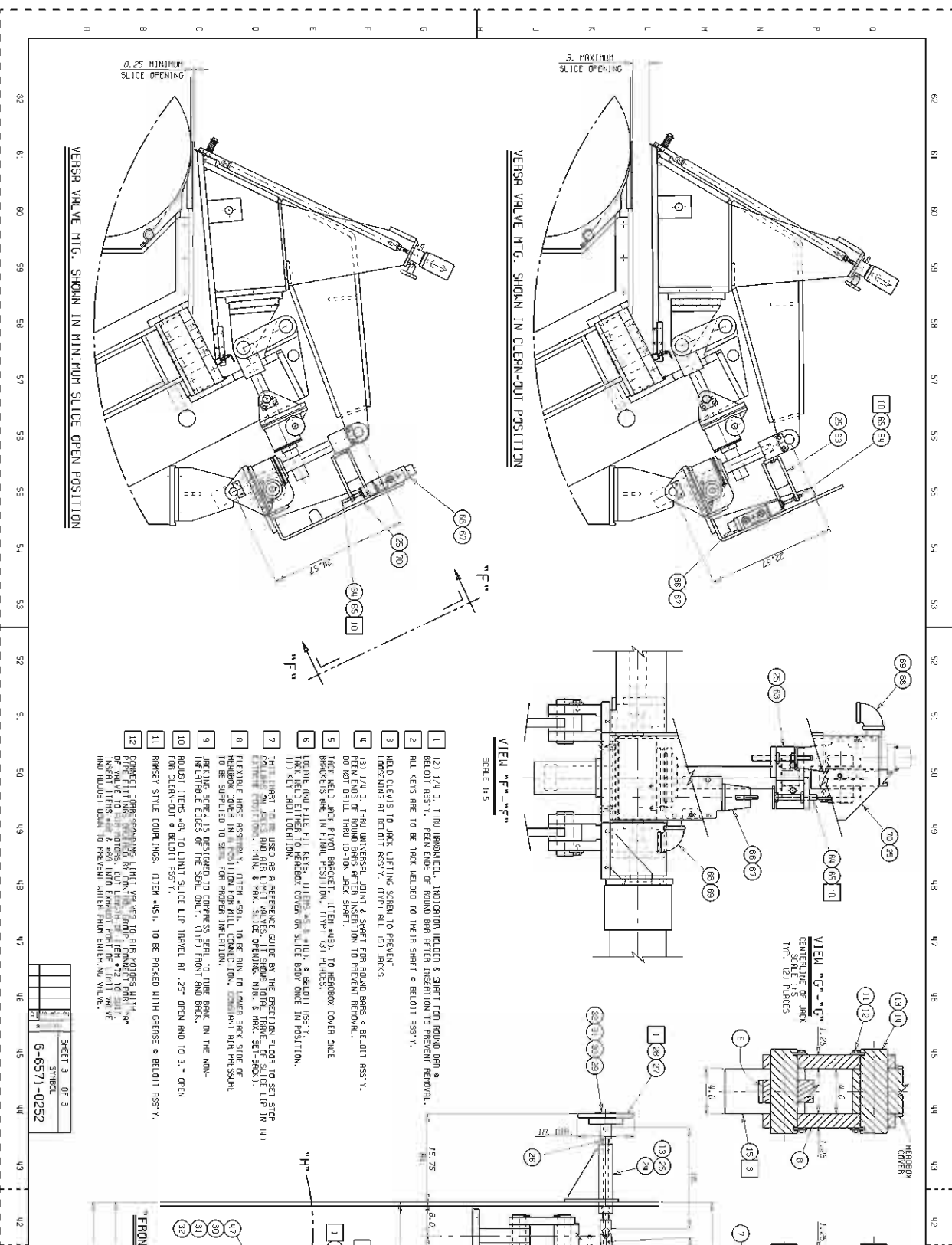
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97	97	1.25 DIA	1	WIRE ELEVATION	
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VIEW "R" - "R"
SCALE 1:10

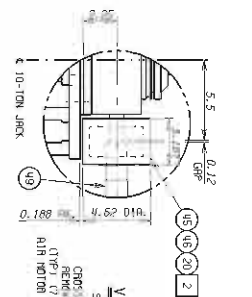
VIEW "A" - "A"
SCALE 1:10

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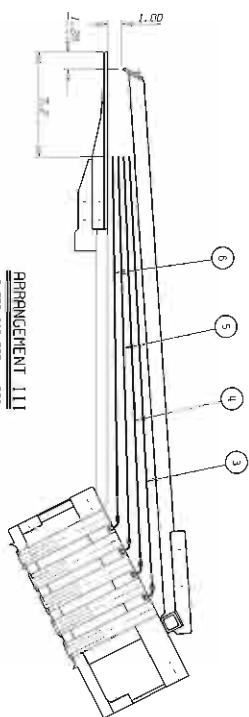


SHEET 3 OF 3
SYMBOL
6-6571-0252

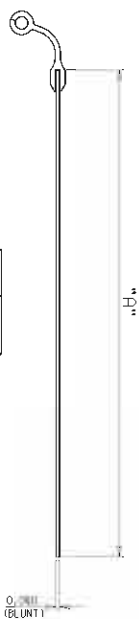


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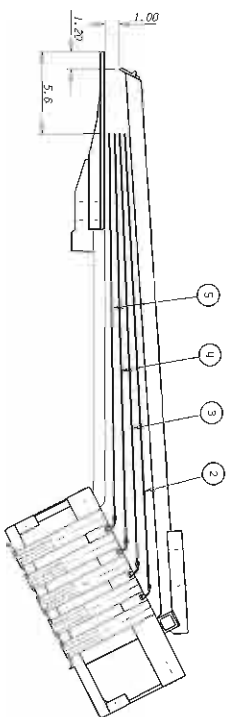
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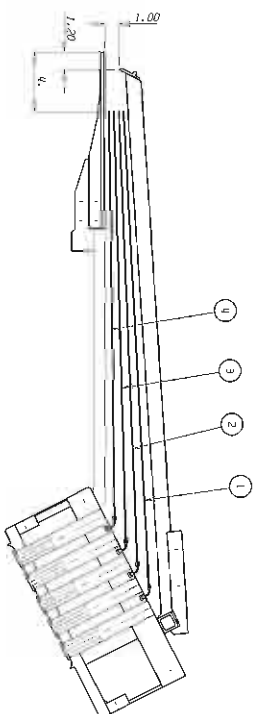
ARRANGEMENT 111
SHEET 11P GAP = .333



ITEM	"PA"
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3	29.47
4	27.9
5	26.34
6	24.78



ARRANGEMENT 11
SHEET 11P GAP = .312



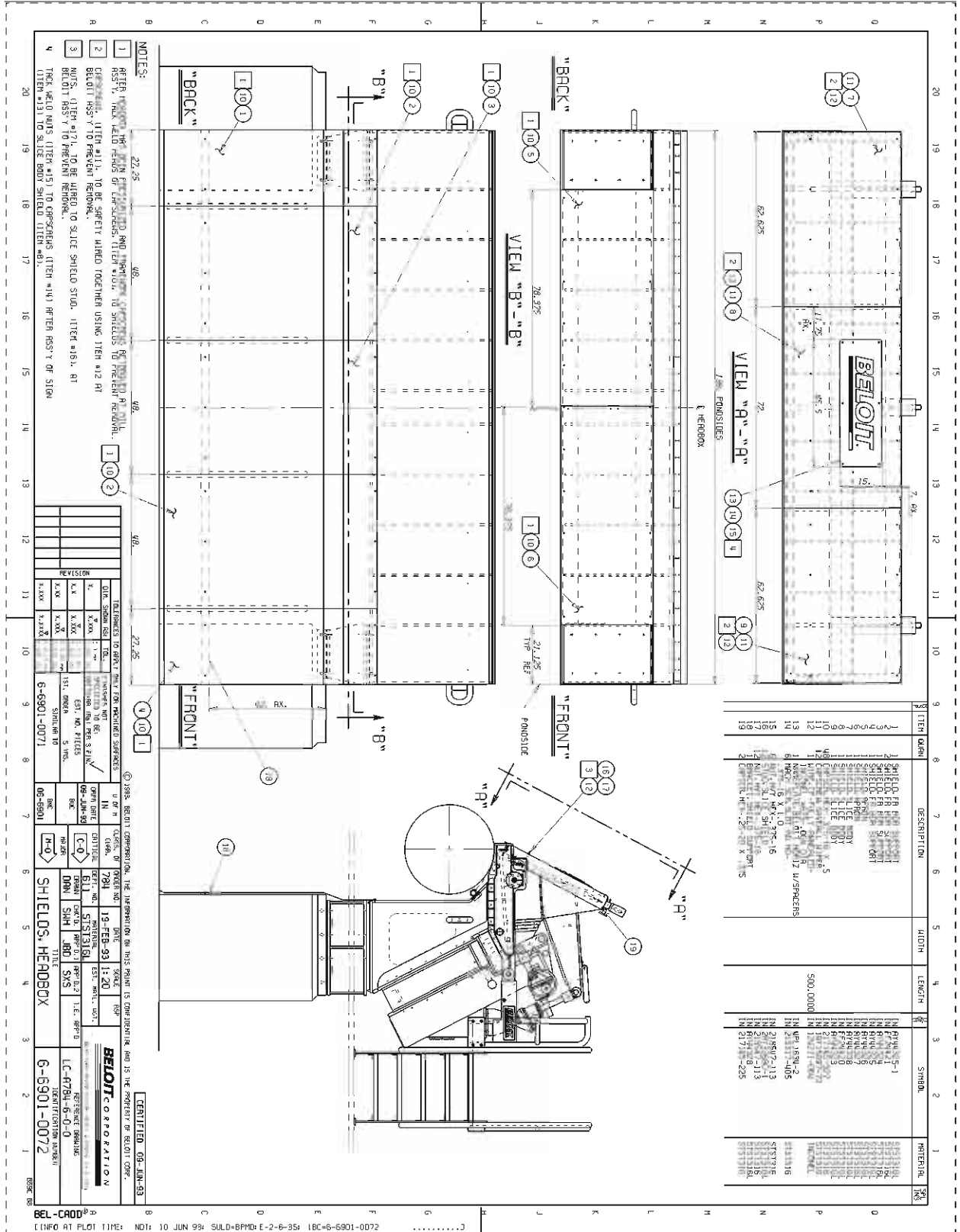
ARRANGEMENT I
SHEET TIP GAP = .291

TOLERANCES TO APPLY TO ALL FINISHED SURFACES		DIMENSIONS TO APPLY TO UNFINISHED SURFACES
FINISHED SURFACES	UNFINISHED SURFACES	
0.005	0.010	DIMENSIONS TO APPLY TO UNFINISHED SURFACES 0.005 (0.010) PER 5.2 IN.
0.005	0.010	
0.005	0.010	
0.005	0.010	
0.005	0.010	

[illegible]

BEL-CARD

[INFO AT PLOT TIME: AMO; 8 JUN 93; SULD=BPMD; E-2-6-38; LBC=6-6801-0289



[illegible]

[illegible]

BEL-CADD
[INFO AT PLOT TIME: AMO: 21 JUN 93; SULD=BPMD: E-2-6-45; IBC=8-8601-0027

ITEM	QUAN	DESCRIPTION	WIDTH	LENGTH	U	SYMBOL	MATERIAL	SHT	QTY	SEQUENCE QUANTITIES	RELEASE DATE
								NO.		A B C D E F	
0A00	REF	LIST OF DOCUMENTS			IN	LD-A184-6-0-0		3			061693
0B00	REF	CONCEPT III 5000 ELEVATION			IN	MA-A184-6-0-0		2			061693
0C00	REF	CONCEPT III 5000 SECTION			IN	MA-A184-6-0-1		2			061693
0D00	REF	CONCEPT III 5000 GAGE			IN	MA-A184-6-0-2		2			061693
0E00	REF	SECONDARY HEADBOX STECK PIPING			IN	LC-A184-8-0-0		1			061693
0F00	REF	HEAD VS JET VELOCITY CHART			IN	4-77-7056-137		2			061693
0G00	REF	HEAD VS JET VELOCITY CHART			IN	4-77-7056-138		2			061693
0H00	REF	HEAD VS JET VELOCITY CHART			IN	4-77-7056-139		2			061693
0I00	REF	CONC III HCBX ASSM FLR CHK LIST			IN	CL-D696-0-0		2			061693
0100	001	APRON LIP SUPPORT			IN	FE 24377	316L CLAD				061693
0101	001	TUBE BANK DRILLING & TAPPING			IN	FE 24378	ST316L				061693
0102	001	COVER, HEADER			IN	FE 24379	ST316L				061693
0103	001	BEAM, RECTANGULAR HEADER BACK			IN	FE 24380	ST316L				061693
0104	001	PONDSIDE			IN	FE 24381	ST316L				061693
0105	001	PONDSIDE			IN	FE 24381-1	ST316L				061693
0106	001	TRANSITION PIECE, INLET			IN	FE 24382	ST316L				061693
0107	001	TRANSITION PIECE, OUTLET			IN	FE 24383	ST316L				061693
0500	001	FRAMEWORK, CONCEPT III 5000			IN	6-0526-0002		2			061693
2200	001	FOOTWALKS, HEADBOX			IN	6-2221-0077		2			061693
5000	034	ADJUSTOR, SLICE LIP			IN	6-5077-0141	ST316L	2			061693
5001	001	SHEET, FLEXIBLE VINYL-AMER PAPER		198.0000	IN	4AV36549-158	VINYL				061693
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5002	002	SHEET, FLEXIBLE VINYL-AMER PAPER		198.0000	IN	183414-998					061693
5002	002	SHEET, FLEXIBLE VINYL-AMER PAPER		198.0000	IN	183414-998					061693
5002	002	SHEET, FLEXIBLE VINYL-AMER PAPER		198.0000	IN	183414-998					061693
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5002	002										

PAGE 01 CONTINUED ON NEXT PAGE 07/16/93

DRAWN		DATE		THIS DRAW IS THE PROPERTY OF BELLOIT CORPORATION. THE INFORMATION THEREON IS SUBMITTED IN CONFIDENCE.	
SMH	SMH	611	REG	02000	LINERBOARD
ADT	ADT	006A	784		
REVISION		DATE		FILE NO.	
07-16-93	198	06-15-93		204	
HDBOX		CONCEPT III 5000 HEADBOX		LC-A784-6-0-0	
BELLOIT		RAND WHITNEY		MONTVILLE, CT	
HDBOX		CONCEPT III 5000 HEADBOX		LC-A784-6-0-0	

CERTIFIED
16-JULY-93

[illegible]

ITEM NO.	TITLE	MANUAL OR IDENTIFICATION NO.	CU PR
1	METALAP FLANGES--WELDING INSTRUCTIONS	L 008-10002	
2	HEADBOX RECIRCULATION SYSTEM	J 006-10001	
	STOCK PIPING RECOMMENDATIONS	L008-96-0000-0004	
3	HEADBOX SAFETY REQUIREMENTS	J006-96-7300-0101	
	GENERAL OPERATING INSTRUCTIONS		
4	CONCEPT III HEADBOX (INSTALLATION)	L 006-96-0000-0106	
5	CONCEPT III HEADBOX (MAINTENANCE)	N 006-96-0000-0107	
6	CONCEPT III HEADBOX (OPERATING)	M 006-96-0000-0108	
	CONCEPT III STRATA-FLO HEADBOX INFORMATION	M 006-96-0021-0112	
	BEL-BAIE CONVERFLO HEADBOXES	J 006-10017	
	BEL-BAIE CONCEPT III HEADBOX OPERATION	M 006-96-0000-0013	
	TISSUE CONVERFLO HEADBOXES	J 006-10018	
	CONCEPT III TISSUE HEADBOX (INSTALLATION)	N 006-96-7161-0127	
	CONCEPT III TISSUE HEADBOX (OPERATION)	M 006-96-7161-0125	
	CONCEPT III TISSUE HEADBOX (MAINTENANCE)	N 006-96-7161-0126	
	CONCEPT III SECONDARY HEADBOX	M 012-96-0000-0009	
7	CONVERFLO SHEETS CARE & CLEANING	L 006-96-6801-0029	
8	CHECKING PIECE BLEEDS (WITH SKIMMER PIPING)	J 006-10011	
9	MANHOLE COVERS	J 006-10009	
10	SLICE LIP ADJUSTMENT	J006-96-5003-0102	
11	PASSIVATING PROCEDURE FOR STAINLESS STEEL	J 045-96-0000-0013	
12	CARE & CLEANING OF INTERNAL SURFACES OF BELOIT HEADBOXES	J 006-10013	
	SINGLE PUMP HEADBOX TEMPATURE CONTROL SYSTEM	J006-96-9106-0014	
13	DUFF NORTON SERIES 1800 WORM GEAR JACTUATORS	SK-2389	
14	DUFF NORTON MINIATURE JACTUATOR-- (ANTI-BACKLASH SHEET)	MF-25-66	

C-O → M-O →

CERTIFIED 17-JUN-93

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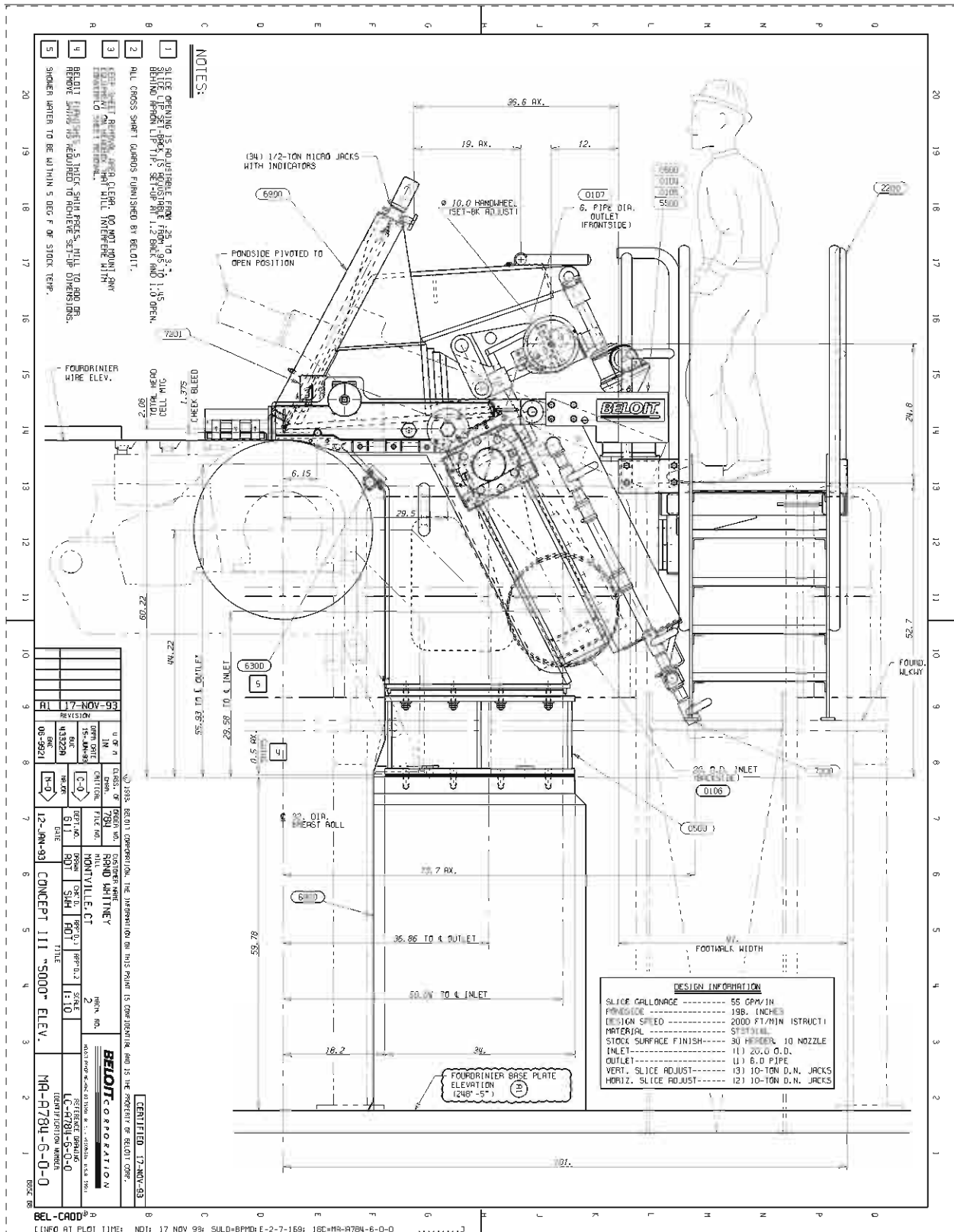
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	FILE NO.	MILL MONTVILLE, CT							
	DEPT. NO. 611	DRAWN DTG	CHK'D. SWH	APP'D. 1 JBD	APP'D. 2 SXS	SCALE NONE	REFERENCE DRAWING LC-A784-6-0-0		
	DATE 11-JUN-93	TITLE LIST OF DOCUMENTS				IDENTIFICATION NUMBER LD-A784-6-0-0			

06-9900

17-JUN-93

B85A 88

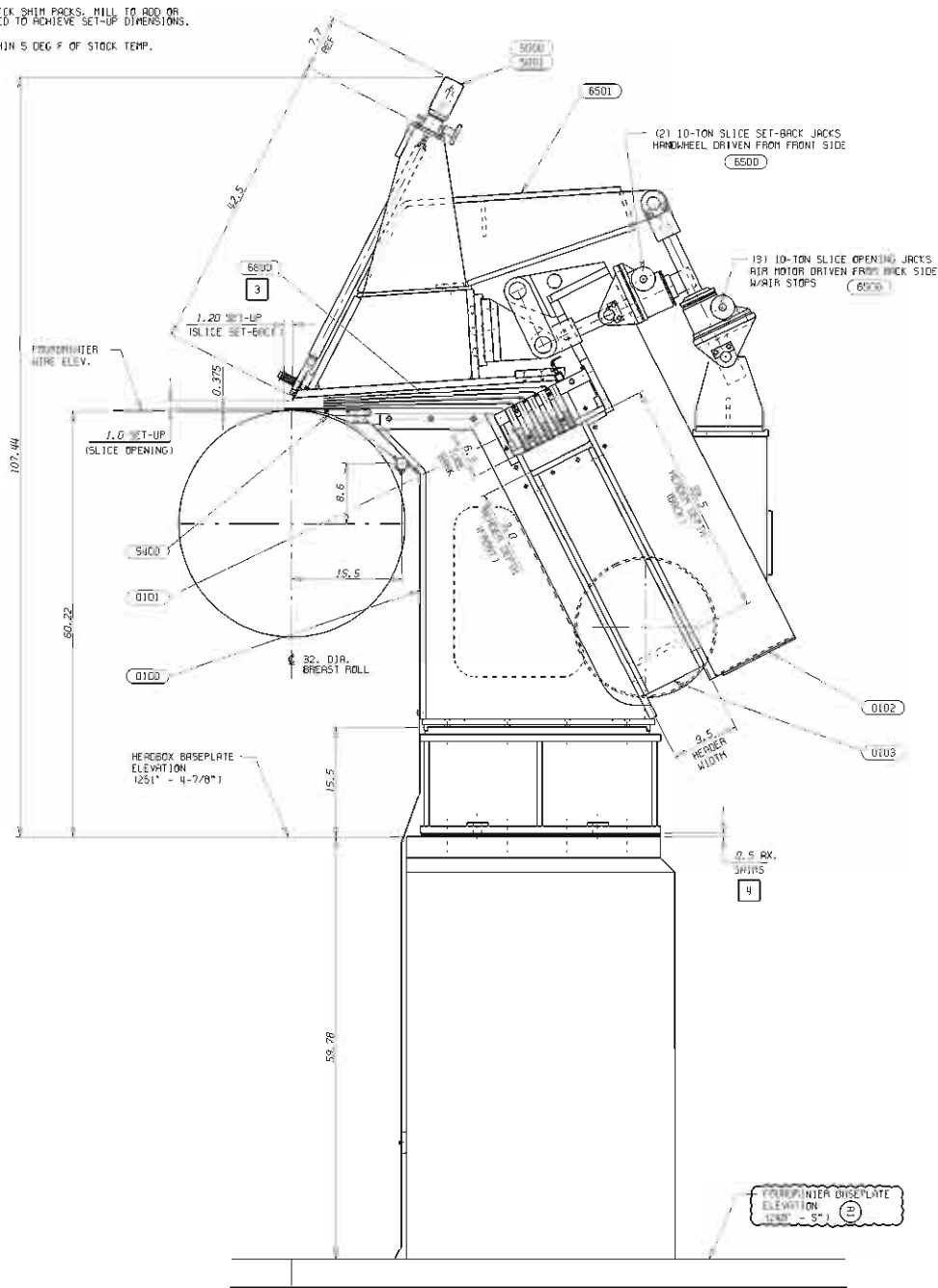
BEL-CAD®
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 TRM: 17 JUN 93: SULD=BPND: E-2-5-113: 18C=LD-A784-6-0-0



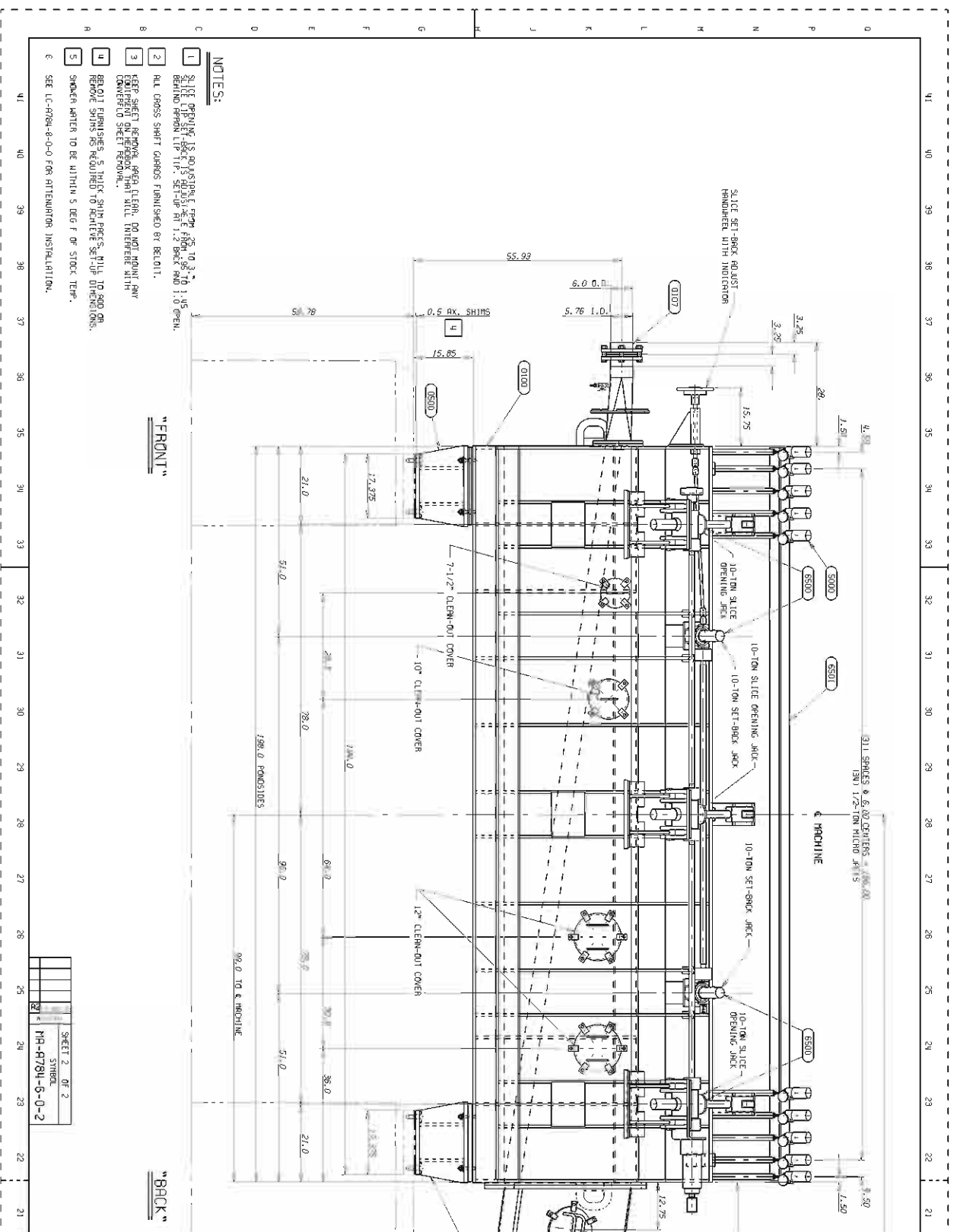
- 1 SLICE OFF TOP IS UNRELIABLE FROM .25 TO 3".
SLICE LIP SET-UP IS UNRELIABLE FROM .95 TO 1.45
BINDING AROUND LIP TIP, SET-UP AT 1.2 BACK AND 1.0 OPEN.
- 2 ALL ~~THOSE~~ SHAFT GUARDS FURNISHED BY BELT.
- 3 KEEP SHEET REMOVAL AREA CLEAR. DO NOT MOUNT ANY
EQUIPMENT ON HEADBOX THAT WILL INTERFERE WITH
CONVEYED SHEET REMOVAL.
- 4 BELT FURNISHES .5 THICK SHIM PACKS. WILL TO AND OR
REMOVE SHIMS AS REQUIRED TO ACHIEVE SET-UP DIMENSIONS.
- 5 SHOWER WATER TO BE WITHIN 5 DEG F OF STOCK TEMP.

DESIGN INFORMATION

```
SLICE GALLONAGE ----- 55 GPM/IN
FONTSIDE ----- 18. INCHES
DESIGN SPEED ----- 2000 FT/7MIN ISTRUCT/
MATERIAL ----- ST5131L
STOCK SURFACE FINISH ----- 30 BLUNDER, 10 NOZZLE
INLET ----- (1) 3.00 O.D.
OUTLET ----- (1) 6.0 PIPE
VERT. SLICE ADJUST ----- (2) 10-TON D.N. JACKS
HORIZ. SLICE ADJUST ----- (2) 10-TON D.N. JACKS
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[illegible]

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BEI - CANN[®] D