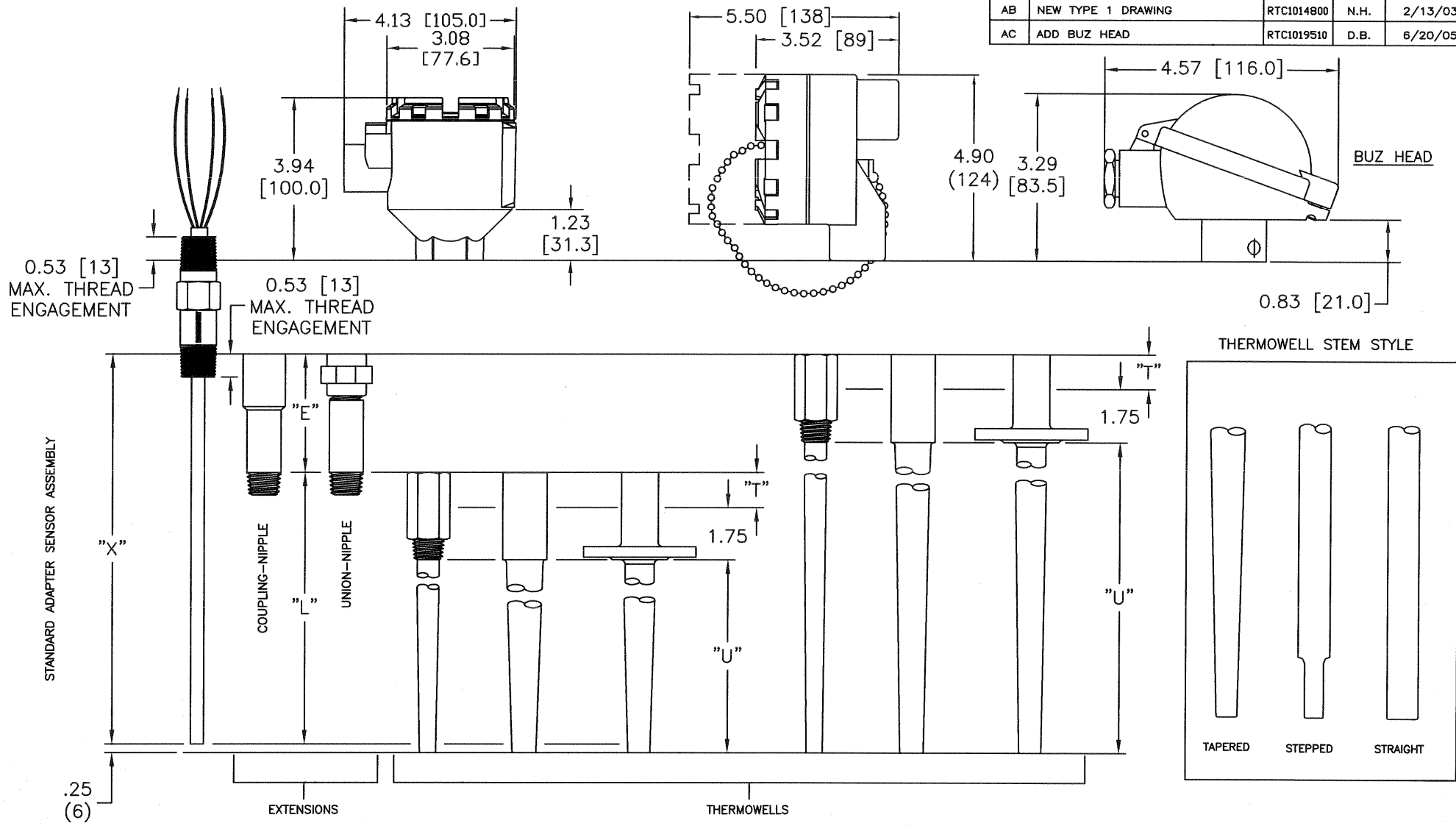


ROSEMOUNT ALUMINUM
CONNECTION HEAD

ALUMINUM
CONNECTION HEAD

REVISIONS				
REV	DESCRIPTION	CHG.NO.	APP'D	DATE
AB	NEW TYPE 1 DRAWING	RTC1014800	N.H.	2/13/03
AC	ADD BUZ HEAD	RTC1019510	D.B.	6/20/05



EQUATIONS
 $L = U + T + 1.5$
 $X = E + L$
 $X = E + U + T + 1.5$

*UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN INCHES (MM)
 *ALL DIMENSIONS ARE NOMINAL
AND ARE FOR REFERENCE ONLY



TYPE I		ROSEMOUNT INC. CHANHASSEN, MINNESOTA	
DR. JOHN ARMSTRONG	2/13/03	TITLE	
APP'D. NATHAN HOFFMAN	2/13/03	DIMENSIONAL DRAWING FOR MODEL	
APP'D. DRAWING		78 TEMPERATURE SENSOR	
APP'D. TAGGING		SIZE A	FSCM.NO. 04274
APP'D. SPECIALS		DRAWING NO. 00078-0240	
SCALE: NONE		WT.	SHEET 1 OF 3

SENSOR ASSEMBLY LENGTH TABLES

SENSOR ASSEMBLY WITH THERMOWELL

CODE	"U" IMMERSION(IN)	"L" THERM. LENGTH(IN)	"T" LAGGING LENGTH(IN)
015	1.5	4.0	1.0
020	2.0	4.0	0.5
025	2.5	4.0	0.0
030	3.0	6.0	1.5
035	3.5	6.0	1.0
040	4.0	6.0	0.5
045	4.5	6.0	0.0
050	5.0	9.0	2.5
055	5.5	9.0	2.0
060	6.0	9.0	1.5
065	6.5	9.0	1.0
070	7.0	9.0	0.5
075	7.5	9.0	0.0
080	8.0	12.0	2.5
085	8.5	12.0	2.0
090	9.0	12.0	1.5
095	9.5	12.0	1.0
100	10.0	12.0	0.5
105	10.5	12.0	0.0
110	11.0	15.0	2.5
115	11.5	15.0	2.0
120	12.0	15.0	1.5
125	12.5	15.0	1.0
130	13.0	15.0	0.5
135	13.5	15.0	0.0
140	14.0	18.0	2.5
145	14.5	18.0	2.0
150	15.0	18.0	1.5
155	15.5	18.0	1.0
160	16.0	18.0	0.5
165	16.5	18.0	0.0
170	17.0	21.0	2.5
175	17.5	21.0	2.0
180	18.0	21.0	1.5
185	18.5	21.0	1.0
190	19.0	21.0	0.5
195	19.5	21.0	0.0
200	20.0	24.0	2.5
205	20.5	24.0	2.0
210	21.0	24.0	1.5
215	21.5	24.0	1.0
220	22.0	24.0	0.5

CODE	"U" IMMERSION(IN)	"L" THERM. LENGTH(IN)	"T" LAGGING LENGTH(IN)
225	22.5	24.0	0.0
230	23.0	27.0	2.5
240	24.0	27.0	1.5
250	25.0	27.0	0.5
260	26.0	30.0	2.5
270	27.0	30.0	1.5
280	28.0	30.0	0.5
290	29.0	33.0	2.5
300	30.0	33.0	1.5
310	31.0	33.0	0.5
320	32.0	36.0	2.5
330	33.0	36.0	1.5
340	34.0	36.0	0.5
350	35.0	39.0	2.5
360	36.0	39.0	1.5
370	37.0	39.0	0.5
380	38.0	42.0	2.5
390	39.0	42.0	1.5
400	40.0	42.0	0.5
410	41.0	45.0	2.5
420	42.0	45.0	1.5
430	43.0	45.0	0.5
440	44.0	48.0	2.5
450	45.0	48.0	1.5
460	46.0	48.0	0.5
470	47.0	51.0	2.5
480	48.0	51.0	1.5

ROSEMOUNT INC.
CHANHASSEN, MINN.

SIZE A	FSCM.NO.	DRAWING NO. 00078-0240
SCALE:	SHEET 2 OF 3	

SENSOR ASSEMBLY LENGTH TABLES (CONT'D)

SENSOR WITHOUT THERMOWELL

CODE	SENSOR LENGTH "L" (IN)
010	1.0
020	2.0
025	2.5
030	3.0
035	3.5
040	4.0
045	4.5
050	5.0
055	5.5
060	6.0
065	6.5
070	7.0
075	7.5
080	8.0
085	8.5
090	9.0
095	9.5
100	10.0
105	10.5
110	11.0
115	11.5
120	12.0
125	12.5
130	13.0
135	13.5
140	14.0
145	14.5
150	15.0
155	15.5
160	16.0
165	16.5
170	17.0
175	17.5
180	18.0
185	18.5
190	19.0
195	19.5
200	20.0
205	20.5
210	21.0
215	21.5
220	22.0
225	22.5
230	23.0
235	23.5
240	24.0

CODE	SENSOR LENGTH "L" (IN)
245	24.5
250	25.0
260	26.0
270	27.0
280	28.0
290	29.0
300	30.0
310	31.0
320	32.0
330	33.0
340	34.0
350	35.0
360	36.0
370	37.0
380	38.0
390	39.0
400	40.0
410	41.0
420	42.0
430	43.0
440	44.0
450	45.0
460	46.0
470	47.0
480	48.0

ROSEMOUNT INC.
CHANHASSEN, MINN.

SIZE	FSCM.NO.	DRAWING NO.
A		00078-0240
SCALE:		SHEET 3 OF 3