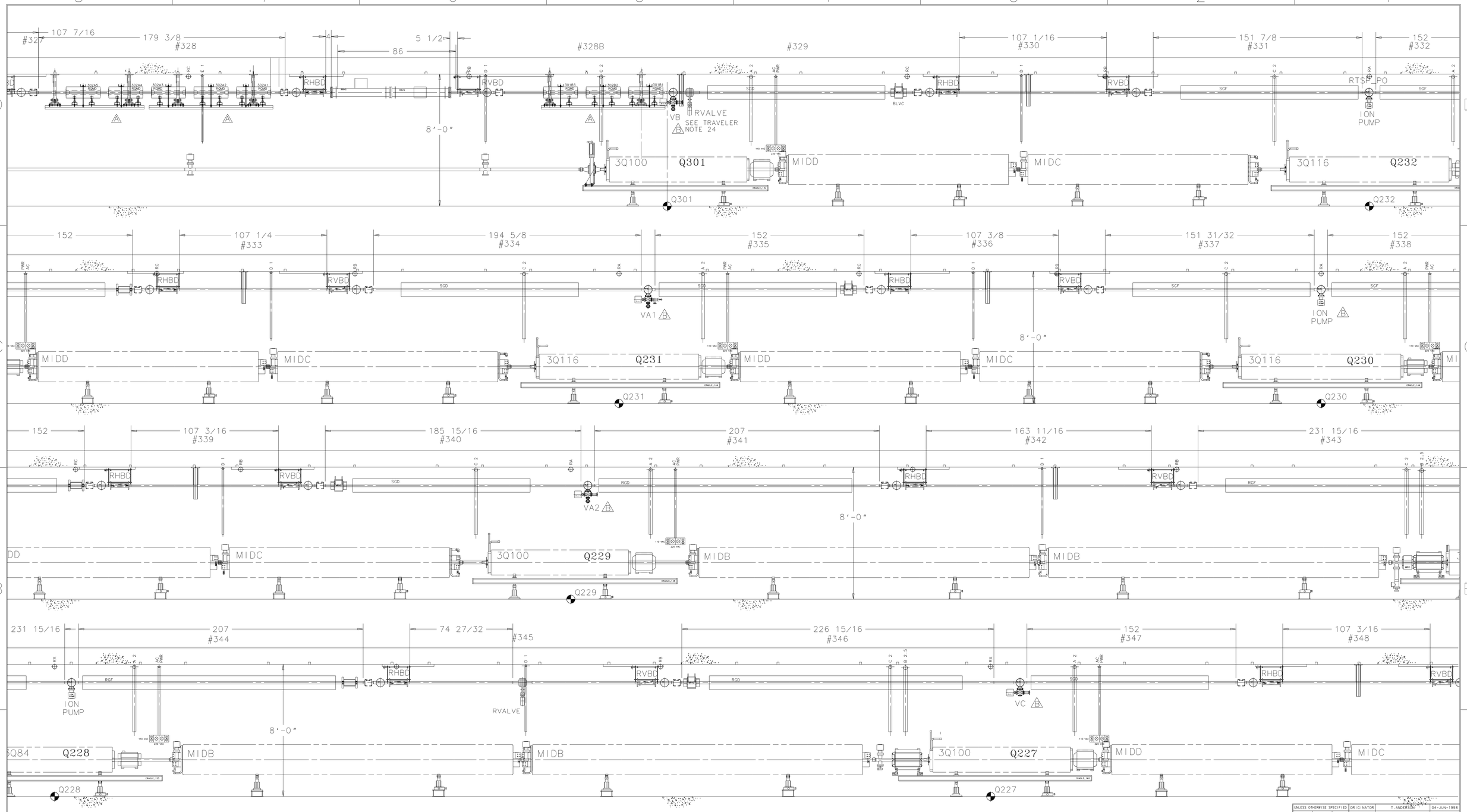

NOTE:

1.) ALL DISTANCES ARE DEVELOPED LENGTH (LENGTH ALONG BEAMLINE) STARTING AT MARKER LOCATION MI60.

2.) VIEWS CONTINUE LEFT TO RIGHT, FROM TOP TO BOTTOM. THE EDGE OF DRAWING BORDER IS MATCH LINE FOR NEXT VIEW.

RECYCLER RRV19_SURVEY_051998.F0

NOTICE: IMAGE OBTAINED FROM FERMILAB WEB SITE

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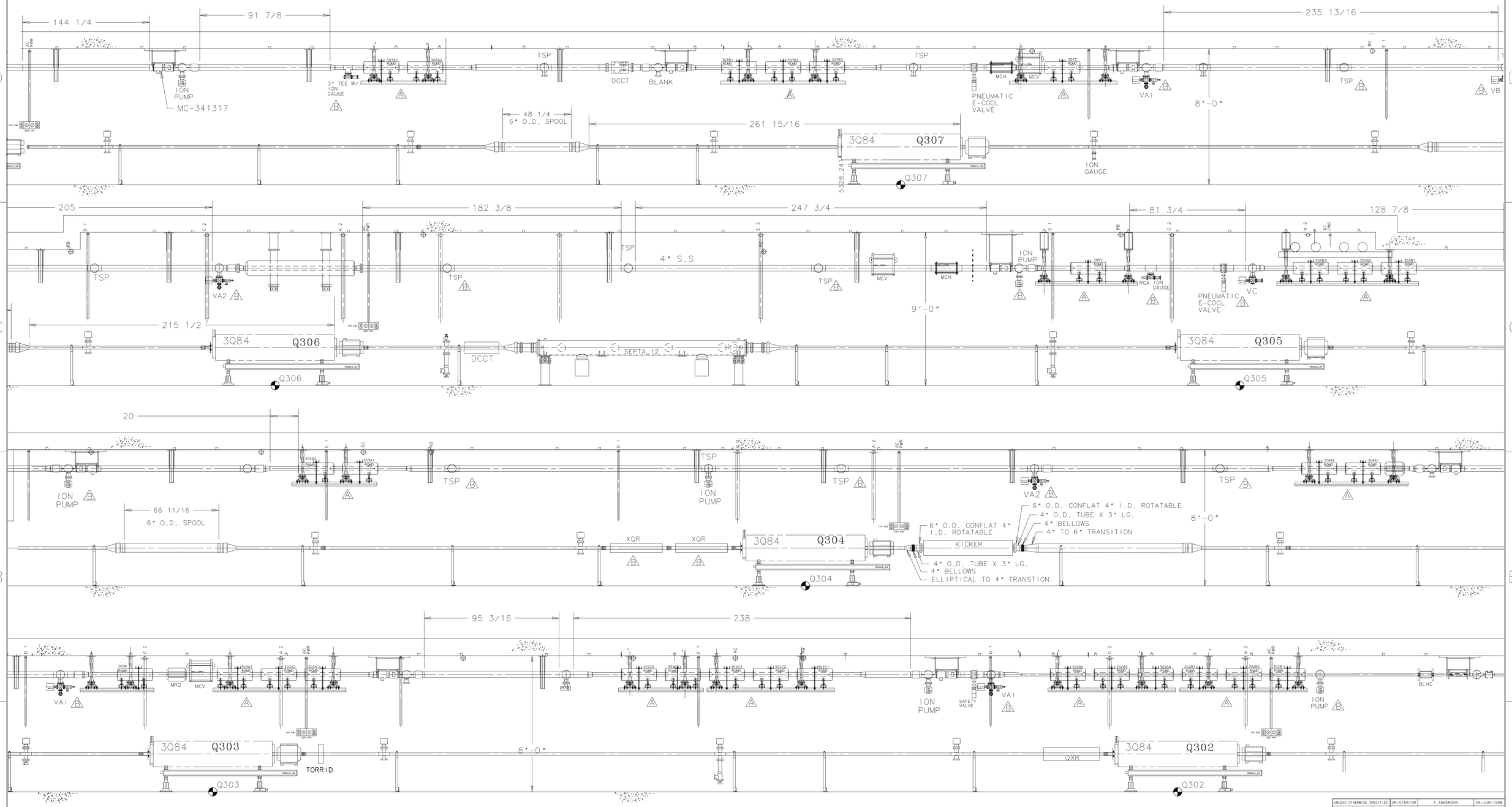
DESCRIPTION		
B.BROWN	12-DEC-2003	
L. NOBREGA	12-12-03	
B.BROWN	16-OCT-2000	
T.ANDERSON	NOV-2000	
DRAWN	DATE	
APPROVED	DATE	

UNLESS OTHERWISE SPECIFIED			ORIGINATOR	T.ANDERSON	04-JUN-1998
FRACTIONS	DECIMALS	ANGLES	DRAWN	D.HURD	04-JUN-1998
±	±	±	CHECKED	T.ANDERSON	31-MAY-2000
1. BREAK ALL SHARP EDGES .015 MAX			APPROVED	T.ANDERSON	31-MAY-2000
2. DO NOT SCALE DRAWING. 3. DIMENSIONS BASED UPON ANSI Y14.5M-1982 4. MAX. ALL MACH. SURFACES			USED ON		
			MATERIAL		

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

MAIN INJECTOR/RECYCLER
VACUUM SYSTEM INSTALLATION
Q301 TO Q227

SCALE	DRAWING NUMBER	SHEET	REV
3/8" = 1'	8140.000-MD-305297	1 OF 1	B
CREATED WITH : Ideas9m3		GROUP: BEAMS DIV. MECH. SUPPT.	



NOTE:

1.) ALL DISTANCES ARE DEVELOPED LENGTH (LENGTH ALONG BEAMLINE) STARTING AT MARKER LOCATION M160.

2.) VIEWS CONTINUE LEFT TO RIGHT, FROM TOP TO BOTTOM. THE EDGE OF DRAWING BORDER IS MATCH LINE FOR NEXT VIEW.

RECYCLER RRV19_SURVEY_051998.F0

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PUMPS	B.BROWN	12-DEC-2003
	L. NOBREGA	12-12-03
QUAD	T.HAMERLA	10-OCT-2000
	T. G. A.	10-10-00
	DRAWN	DATE
	APPROVED	DATE

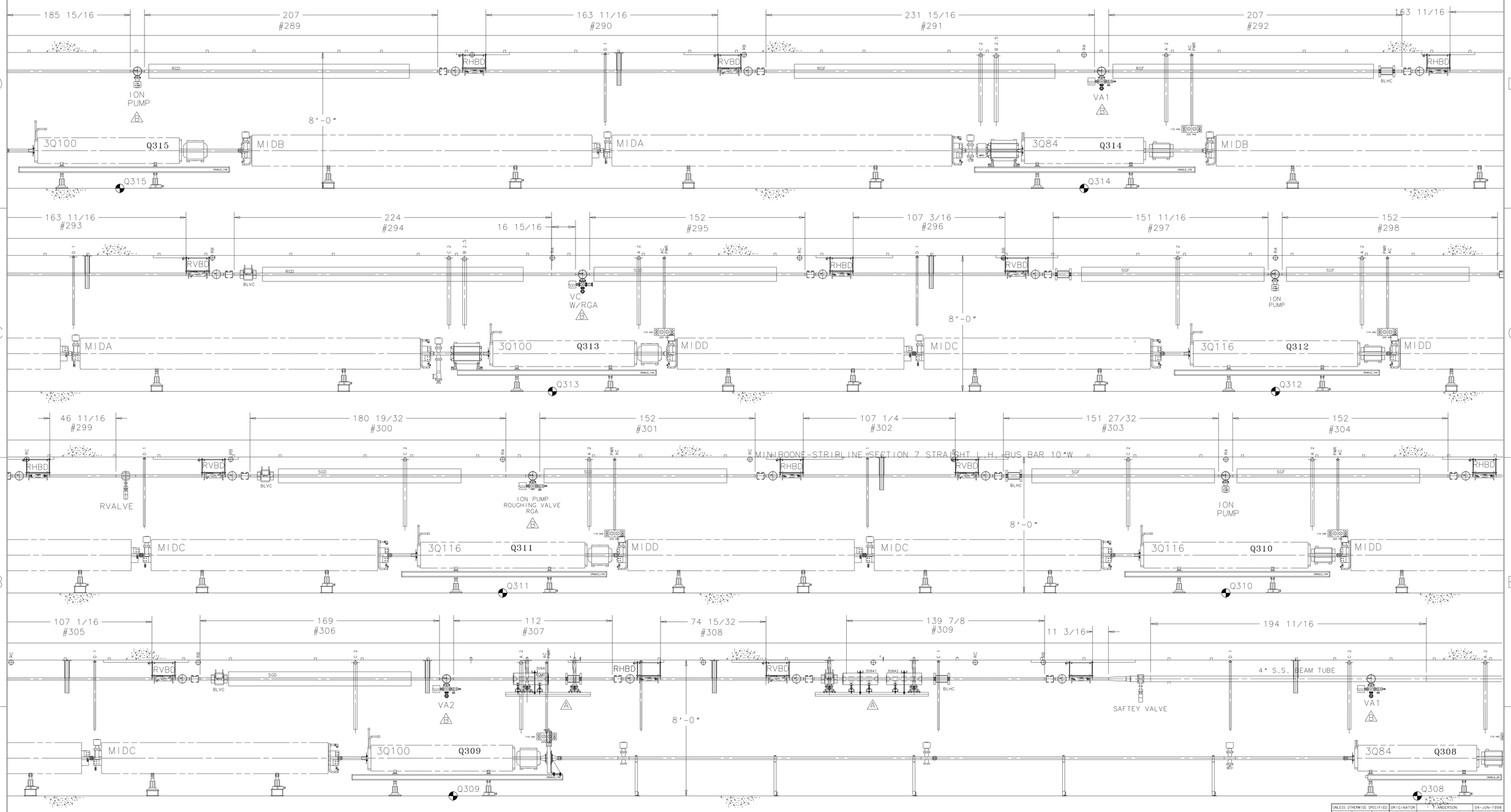
UNLESS OTHERWISE SPECIFIED	ORIGINATOR	T.ANDERSON 04-JUN-1998
FRACTIONS DECIMALS ANGLES	DRAWN	T.PARKER 04-JUN-1998
± ± ±	CHECKED	T.ANDERSON 31-MAY-2000
1. BREAK ALL SHARP EDGES .015 MAX. 2. DO NOT SCALE DRAWING. 3. DIMENSIONS BASED UPON ANSI Y14.5M-1982 4. MAX. ALL MACH. SURFACES	APPROVED	T.ANDERSON 31-MAY-2000
	USED ON	
	MATERIAL	

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

MAIN INJECTOR/RECYCLER VACUUM SYSTEM INSTALLATION Q307 TO Q302

SCALE	DRAWING NUMBER	SHEET	REV
3/8" = 1'	8140.000-MD-305296	1 OF 1	B

CREATED WITH : Ideas9m3 GROUP: BEAMS DIV. MECH. SUPPT.



NOTE:

1.) ALL DISTANCES ARE DEVELOPED LENGTH (LENGTH ALONG BEAMLINE) STARTING AT MARKER LOCATION MI60.

2.) VIEWS CONTINUE LEFT TO RIGHT, FROM TOP TO BOTTOM. THE EDGE OF DRAWING BORDER IS MATCH LINE FOR NEXT VIEW.

RECYCLER RRV19_SURVEY_051998.F0

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DESCRIPTION		DATE
B.BROWN		12-JUN-2003
L. NOBREGA		12-12-03
B.BROWN		13-OCT-2000
T.ANDERSON		NOV-2000
DRAWN		DATE
APPROVED		DATE

UNLESS OTHERWISE SPECIFIED			ORIGINATOR	T.ANDERSON	04-JUN-1998
FRACTIONS	DECIMALS	ANGLES	DRAWN	R.BROWN	04-JUN-1998
±	±	±	CHECKED	T.ANDERSON	31-MAY-2000
1. BREAK ALL SHARP EDGES .015 MAX			APPROVED	T.ANDERSON	31-MAY-2000
2. DO NOT SCALE DRAWING. 3. DIMENSIONS BASED UPON ANSI Y14.5M-1982 4. MAX. ALL MACH. SURFACES			USED ON		
			MATERIAL		

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

MAIN INJECTOR/RECYCLER
VACUUM SYSTEM INSTALLATION
Q315 TO Q308

SCALE	DRAWING NUMBER	SHEET	REV
3/8" = 1'	8140.000-MD-305295	1 OF 1	B
CREATED WITH : Ideas9m3		GROUP: BEAMS DIV. MECH. SUPPT.	