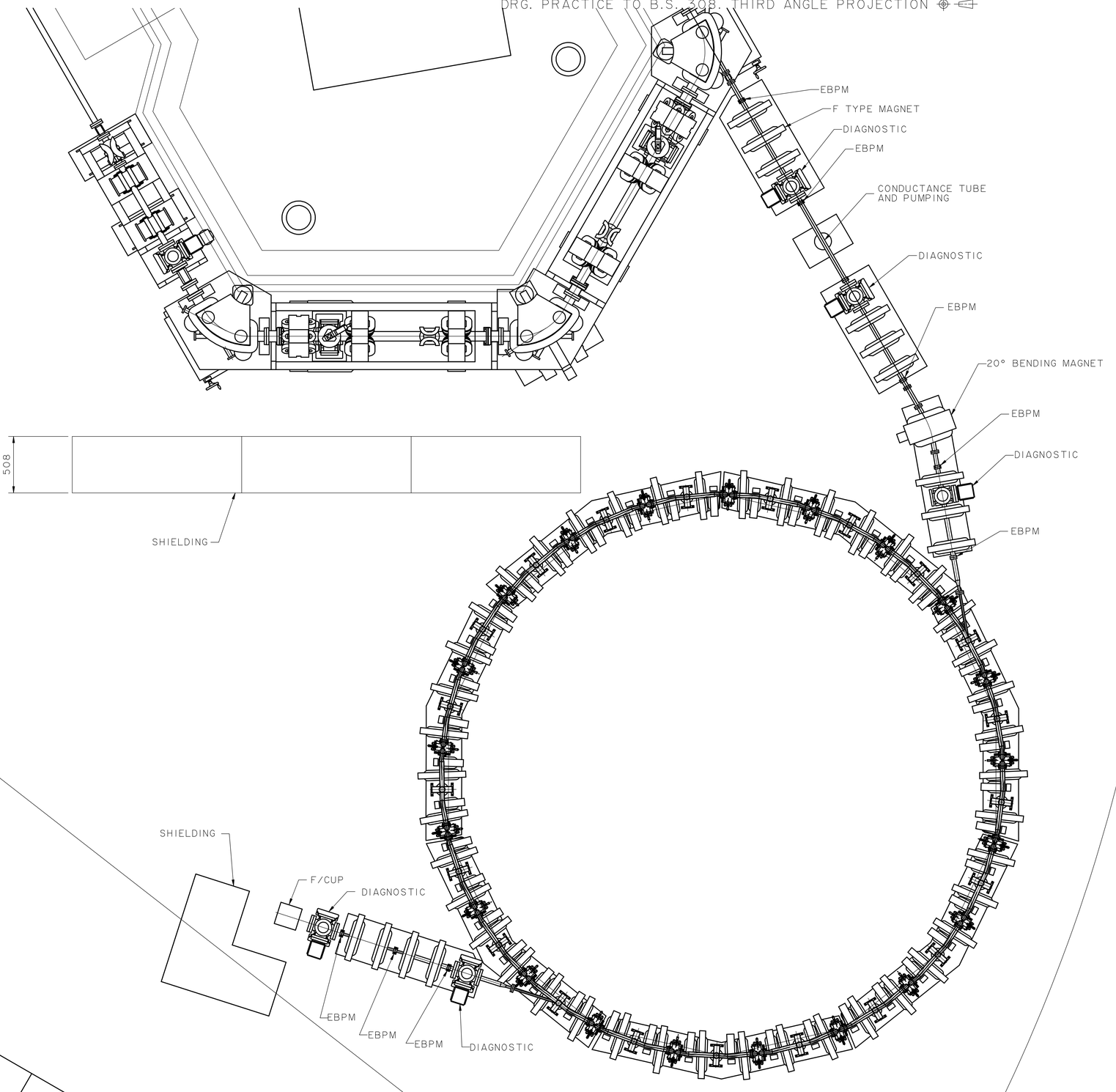
DRG. N°
A0-207/10000

DRG. PRACTICE TO B.S. 308. THIRD ANGLE PROJECTION



FIRST ISSUE	A

CONTROLLED COPY

WELDING SPEC

MATERIAL SPEC

MATERIAL

TOLERANCES UNLESS OTHERWISE STATED
LINEAR DIMENSIONS UP TO ± : OVER ±
ANGULAR DIMENSIONS ±

SCALE 0

ALL DIMENSIONS IN mm's UNLESS OTHERWISE STATED

DRN.	CH	COUNCIL FOR THE CENTRAL LABORATORY OF THE RESEARCH COUNCILS
DATE,	30/03/06	DARESBURY LABORATORY, CHESHIRE
CKD.	CH	TITLE: ERL PROTOTYPE TEST FACILITY LAYOUT WITH PROPOSED EMMA RING
DATE,	30/03/06	
CERT.		DRAWING N° A0-207/10000 — ISSUE A
DATE,		CAD PART N°
APPD.	CH	
DATE,	30/03/06	

USED ON

CONTRACTORS COMPANY

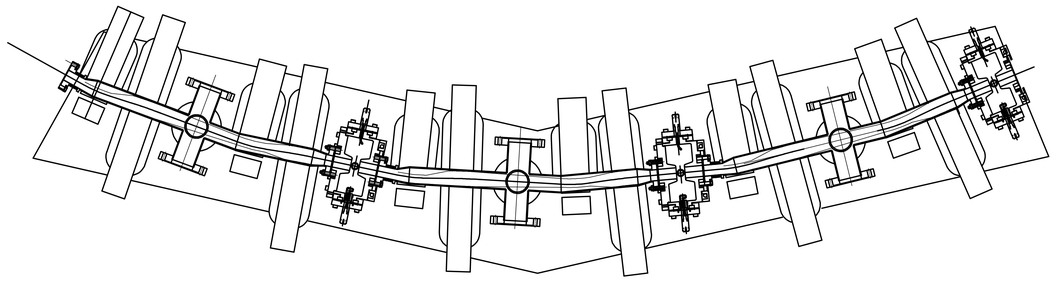
CONTRACTORS DRG N°

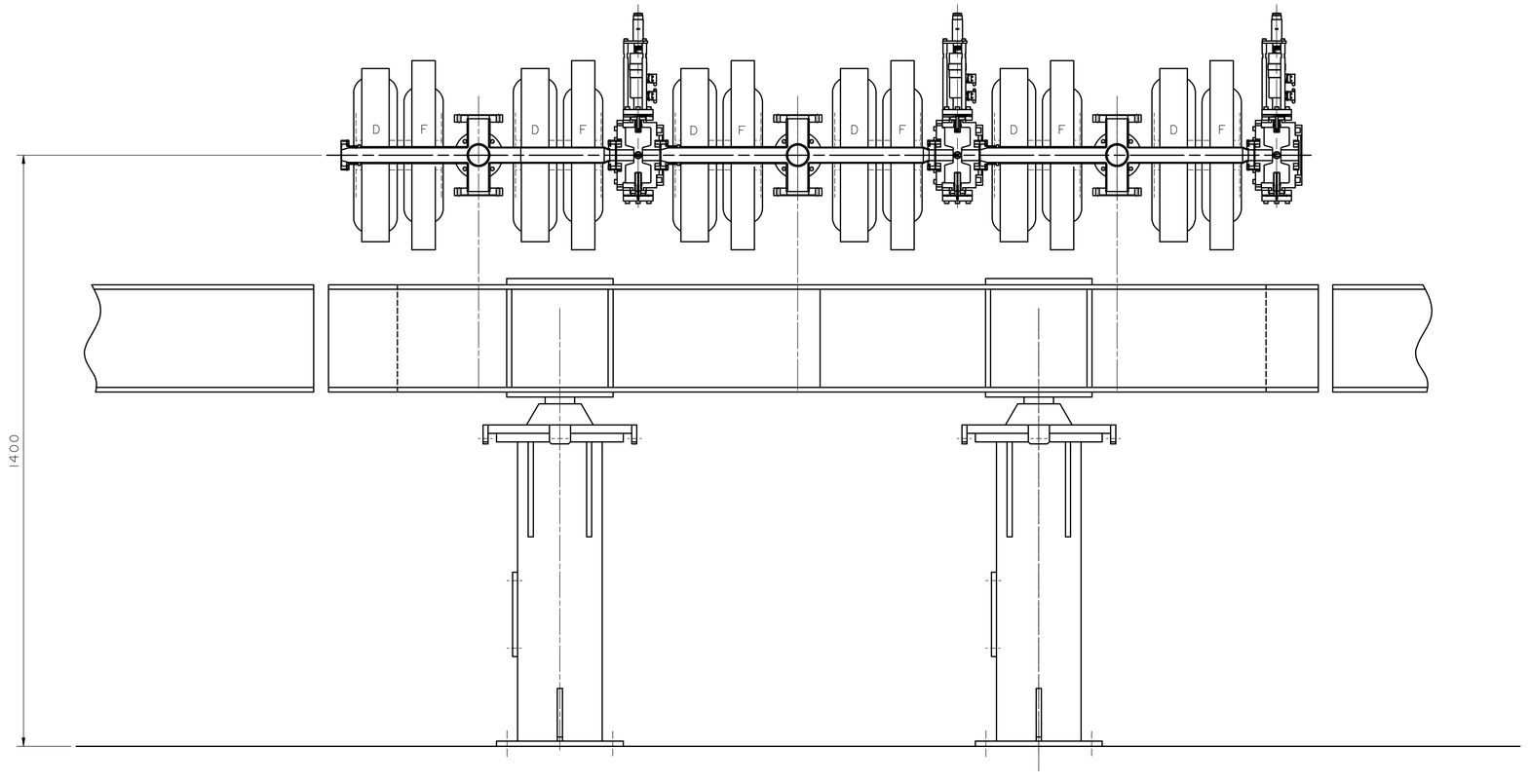
ORIGINAL FRAME SIZE 1139 mm x 791 mm

DRG. N°
A0-207/10001

DRG. PRACTICE TO B.S. 308. THIRD ANGLE PROJECTION

42 CELL/0,2T POLETIP FIELD
15,9M CIRCUMFERENCE





MODULE LENGTH = 15,9/7 = 2,27M

APERTURES

CAVITY Ø25.4
DIPOLE D Ø98 INSCRIBED DIAMETER
DIPOLE F Ø78 INSCRIBED DIAMETER

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WELDING SPEC ------
MATERIAL SPEC ------
MATERIAL ------

TOLERANCES UNLESS OTHERWISE STATED
LINEAR DIMENSIONS UP TO ± :OVER ±
ANGULAR DIMENSIONS ± °

SCALE 1:5 (0 — 500)
ALL DIMENSIONS IN mm's UNLESS OTHERWISE STATED

DRN.	CH	COUNCIL FOR THE CENTRAL LABORATORY OF THE RESEARCH COUNCILS
DATE.	29/3/06	DARESBURY LABORATORY, CHESHIRE
CKD. DATE.		TITLE: EMMA MODULE SCHEME
CERT. DATE.		
APPD. DATE.		DRAWING N° A0-207/10001 — ISSUE A
		CAD PART N° WIP.M.ERL.207.10001 DRAW A

USED ON 207/10001

CONTRACTORS COMPANY

CONTRACTORS DRG N°

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FIRST ISSUE	A

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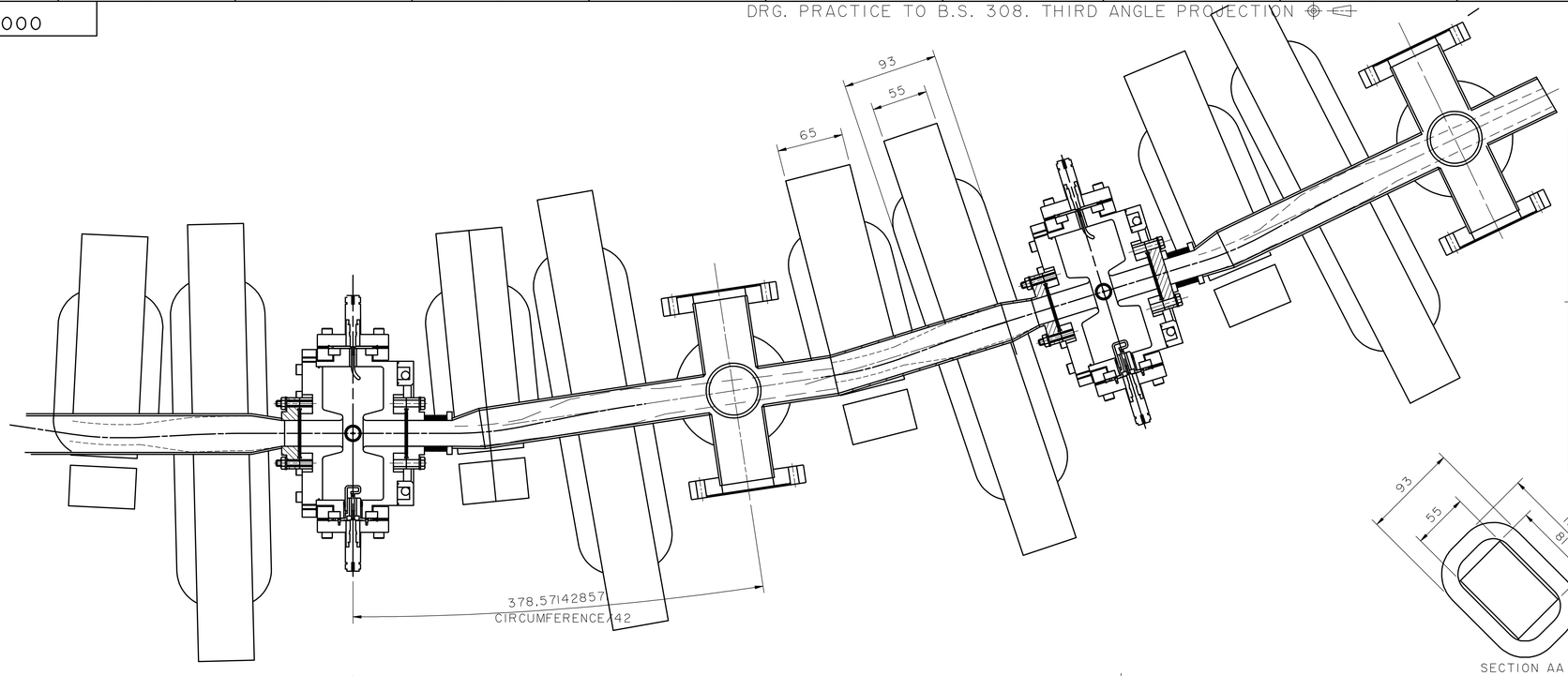
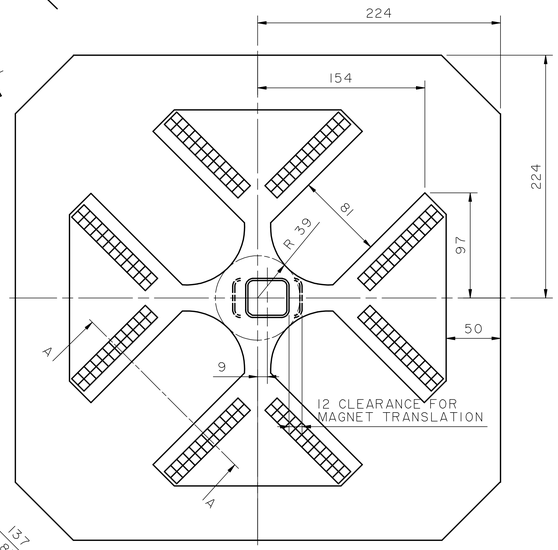
ORIGINAL FRAME SIZE 1139 mm x 791 mm

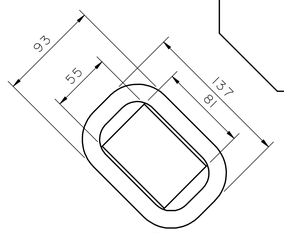
DRG. N°
A0-207/10000

DRG. PRACTICE TO B.S. 308. THIRD ANGLE PROJECTION



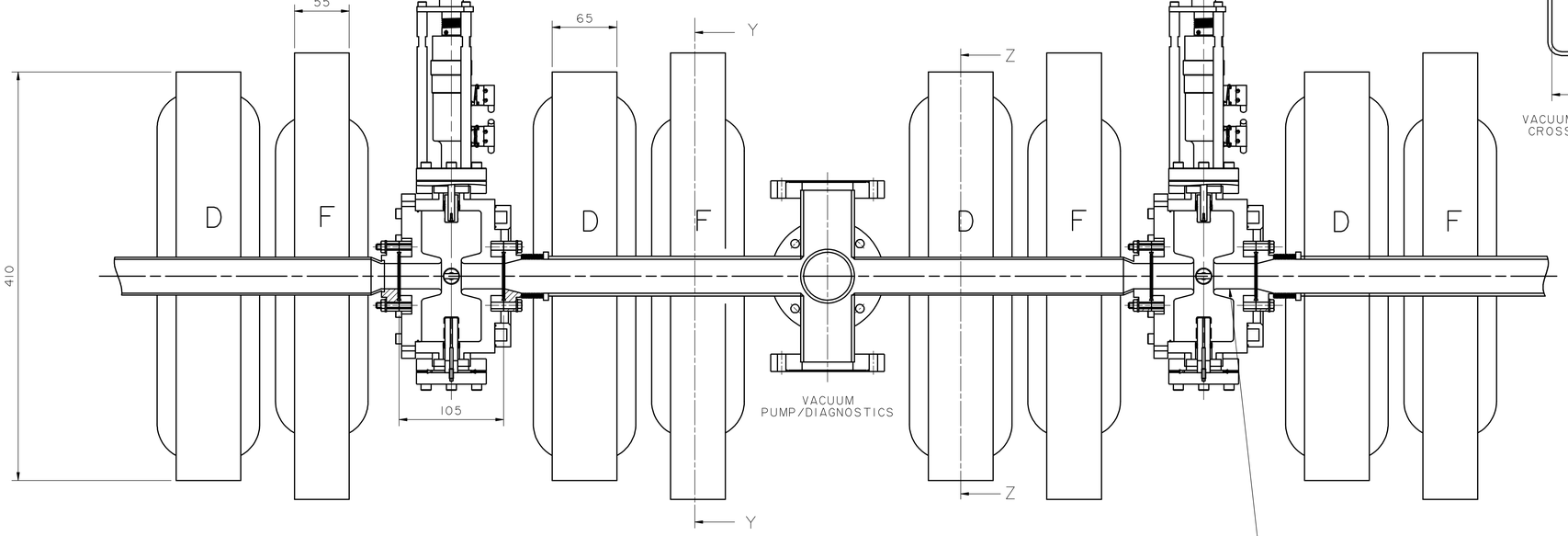


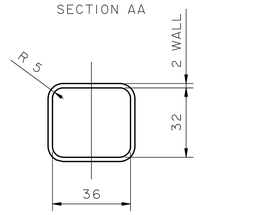
TYPE F MAGNET
SECTION YY



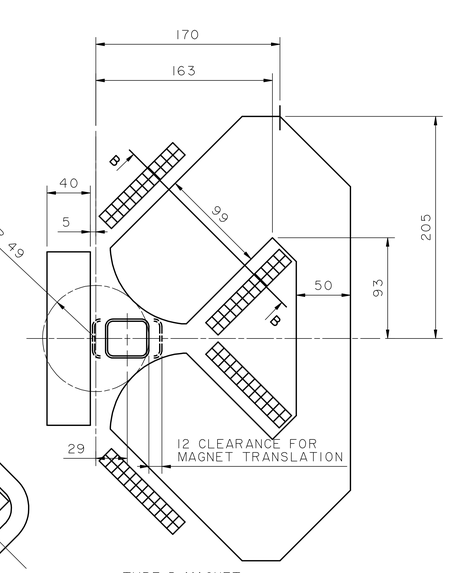
SECTION AA

42 CELL/0,2T POLETIP FIELD
15,9M CIRCUMFERENCE

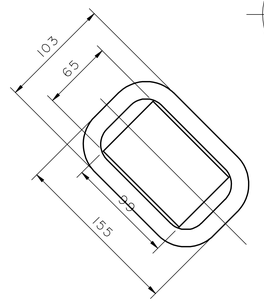




VACUUM CHAMBER
CROSS SECTION



TYPE D MAGNET
SECTION ZZ



SECTION BB

A	FIRST ISSUE

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WELDING SPEC	------
MATERIAL SPEC	------
MATERIAL	------

TOLERANCES UNLESS OTHERWISE STATED
LINEAR DIMENSIONS UP TO ± :OVER ±
ANGULAR DIMENSIONS ± °

SCALE 1:2 (0 — 200)
ALL DIMENSIONS IN mm's UNLESS OTHERWISE STATED

DRN.	CH	COUNCIL FOR THE CENTRAL LABORATORY OF THE RESEARCH COUNCILS DARESBURY LABORATORY CHESHIRE
DATE.	29/3/06	
CKD. DATE.		TITLE EMMA CELL LAYOUT
CERT.	---	
DATE.	---	DRAWING N° A0-207/10003 — ISSUE A
APPD. DATE.		CAD PART N° WIP.M.ERL.207.10000 DRAW A

USED ON 207/10000

CONTRACTORS COMPANY

CONTRACTORS DRG N°

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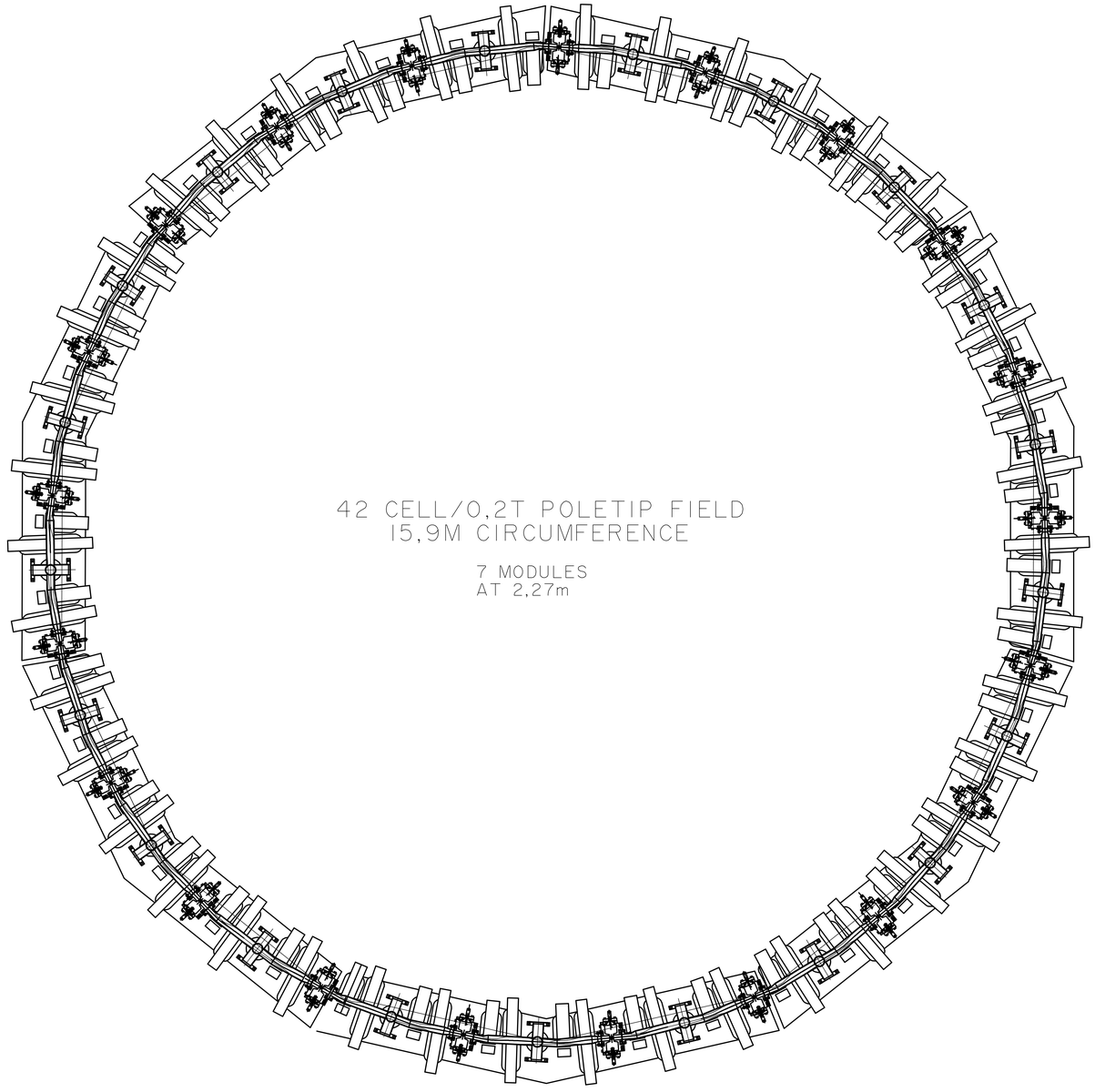
ORIGINAL FRAME SIZE 1139 mm x 791 mm

DRG. N°
A0-207/10003

DRG. PRACTICE TO B.S. 308. THIRD ANGLE PROJECTION



42 CELL/0,2T POLETIP FIELD
15,9M CIRCUMFERENCE

7 MODULES
AT 2,27m

A	FIRST ISSUE

CONTROLLED COPY

WELDING SPEC ------

MATERIAL SPEC ------

MATERIAL ------

TOLERANCES UNLESS OTHERWISE STATED
LINEAR DIMENSIONS UP TO ± :OVER ±
ANGULAR DIMENSIONS ± °

SCALE 1:10 (0 — 1000)
ALL DIMENSIONS IN mm's UNLESS OTHERWISE STATED

DRN.	CH	COUNCIL FOR THE CENTRAL LABORATORY OF THE RESEARCH COUNCILS DARESBURY LABORATORY CHESHIRE
DATE.	29/3/06	
CKD. DATE.		TITLE EMMA MACHINE LAYOUT
CERT. DATE.		
APPD. DATE.		DRAWING N° A0-207/10003 ISSUE A
		CAD PART N° WIP.M.ERL.207.10003 DRAW A

USED ON 207/10003

CONTRACTORS COMPANY

CONTRACTORS DRG N°

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ORIGINAL FRAME SIZE 1139 mm x 791 mm