

SCIENCE GROUND FLOOR 1:50

DRAWING NO. SCALE DETAIL DESCRIPTION **SCIENCE GROUND FLOOR**

REVISIONS		
REV	DATE	DESCRIPTION

NOTES

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OUTSIDE

OUTSIDE Architecture and Engineering Pty Ltd.

PROJECT: **INTERIOR FOR NEW RESEARCH BASE ON MARION ISLAND**

STAND: 001

Task/Job: KAPUA

DRAWN: Sirella SCALE: AS SHOWN

DATE: 17/07/2008 CHECKED: H.B.

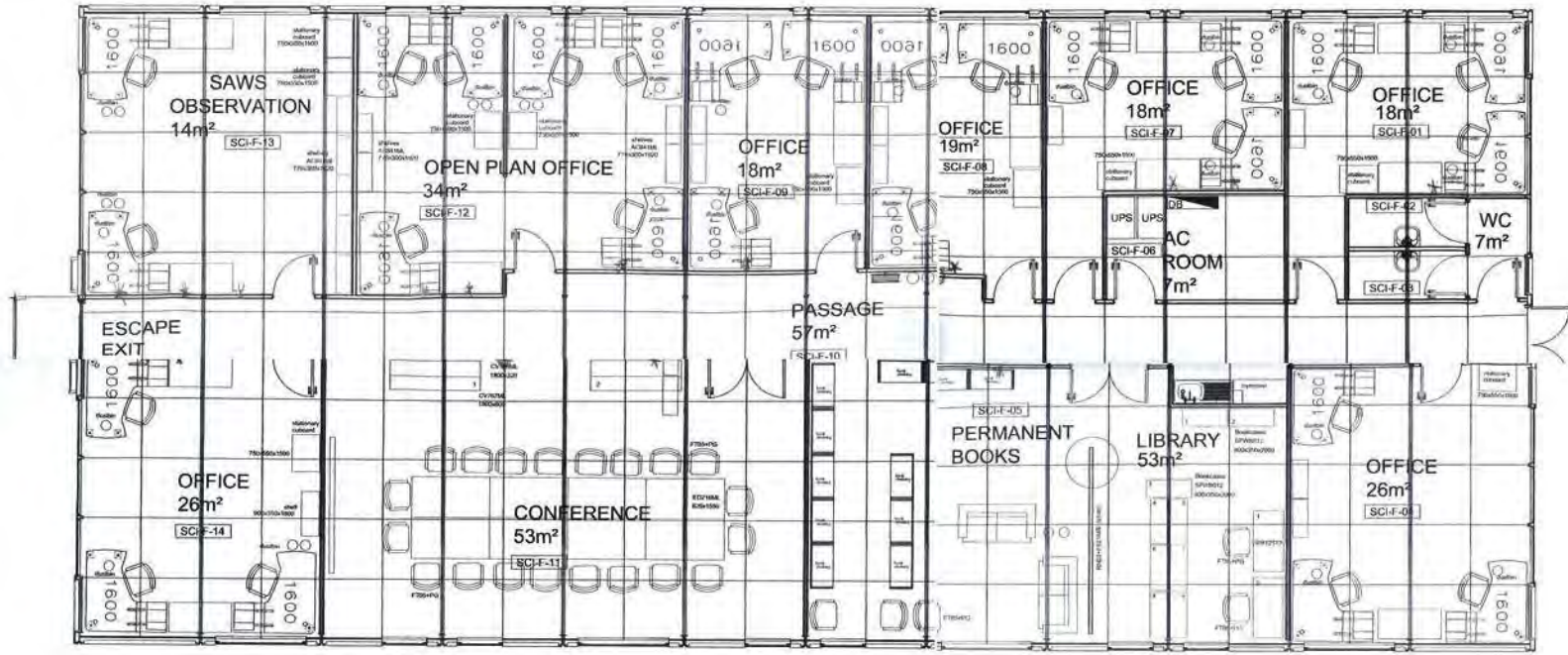
DRAWING TITLE: **FURNITURE LAYOUTS**

DRAWING NO: 4500-Furniture plan INCY/A

Project Number: **A 0602**

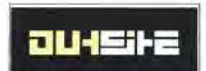
REVISIONS			
REV	DATE	BY	DESCRIPTION

NOTES:



SCIENCE FIRST FLOOR 1:50

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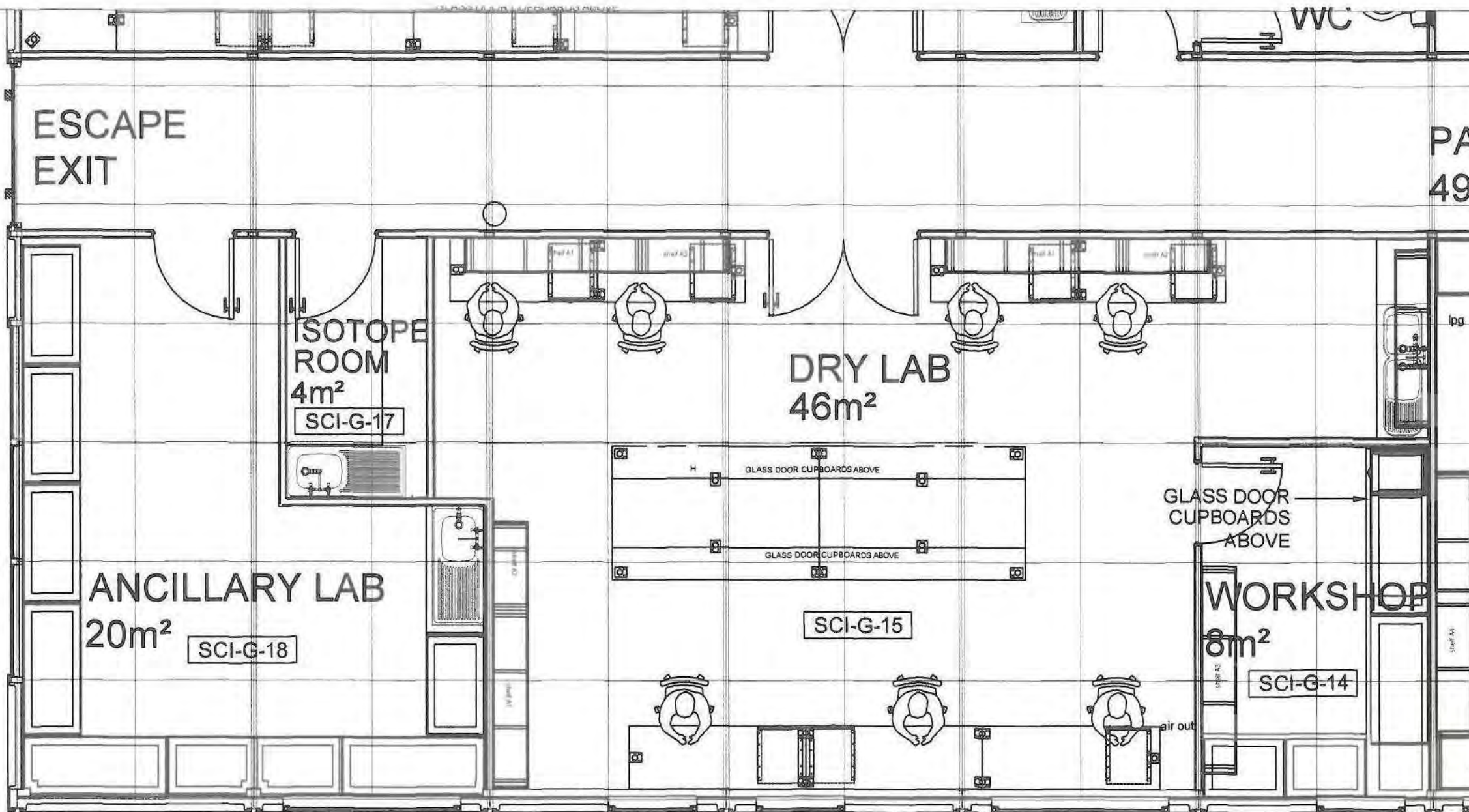


OUTSIDE Architecture and Engineering Pty.

OUTSIDE www.outside.co.nz out@outside.co.nz 27 42 466 9163 - 0979

PROJECT:			
INTERIOR FOR NEW RESEARCH BASE ON MARION ISLAND			
STAND NO.: 1			
TOWNSHIP: KAPUA			
DRAWN: <i>Elizabeth</i>	SCALE: AS SHOWN	DATE: 17/01/2008	
DRAWING TITLE: OFFICE FURNITURE		CHECKED: <i>H B</i>	
DRAWING NO: A200-Office Furniture plan			
Project Number A 0602			

DETAIL NO.	SCALE	DETAIL DESCRIPTION
		SCIENCE FIRST FLOOR



REVISIONS			
REV	DATE	BY	DESCRIPTION

NOTES:
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CLIENT/ CONSULTANT/ DEPARTMENT:

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REV.	DATE	DESCRIPTION	BY



PROJECT:
**Interior layouts for
New Reasearch Base,
Marion Island**

STAND NO.:

TOWNSHIP:

DRAWN: H R SCALE: AS SHOWN
DATE: 17/01/2008 CHECKED: H R

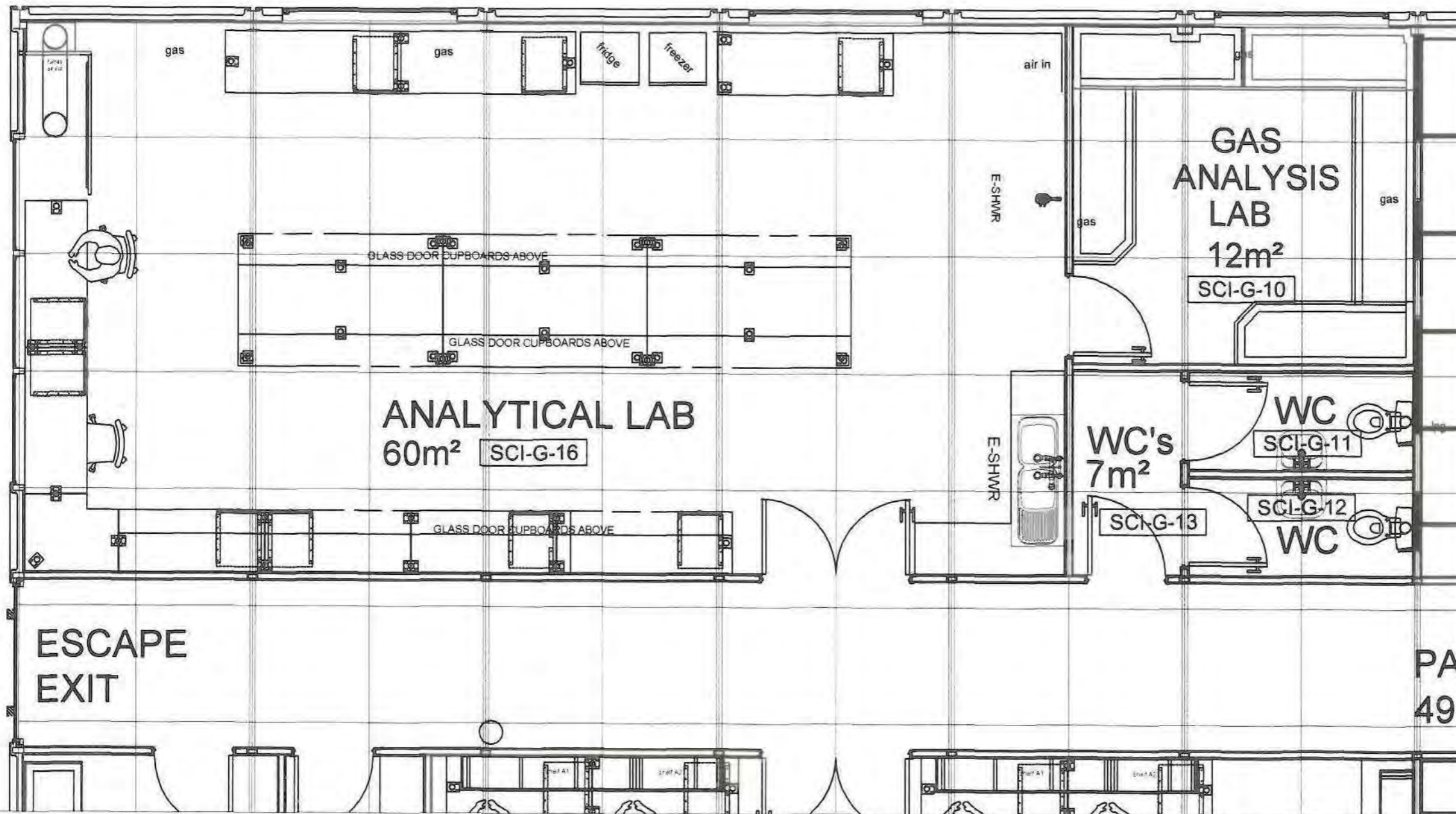
DRAWING TITLE:
LABORATORY PLANS

DRAWING NO. A200 REV A

Project Number A 0602

ANCILLARY LAB AND DRY LAB

DETAIL NO. -	SCALE 1:50	DETAIL DESCRIPTION PLAN	SEE DETAIL NO. -
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ANCILLARY LAB AND DRY LAB

REVISIONS			
REV	DATE	BY	DESCRIPTION

NOTES:
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REV.	DATE	DESCRIPTION	BY



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PROJECT:
Interior layouts for
New Research Base,
Marion Island

STAND NO.:

TOWNSHIP:

DRAWN: H R SCALE: AS SHOWN
DATE: 17/01/2008 CHECKED: H R

DRAWING TITLE:
LABORATORY PLANS

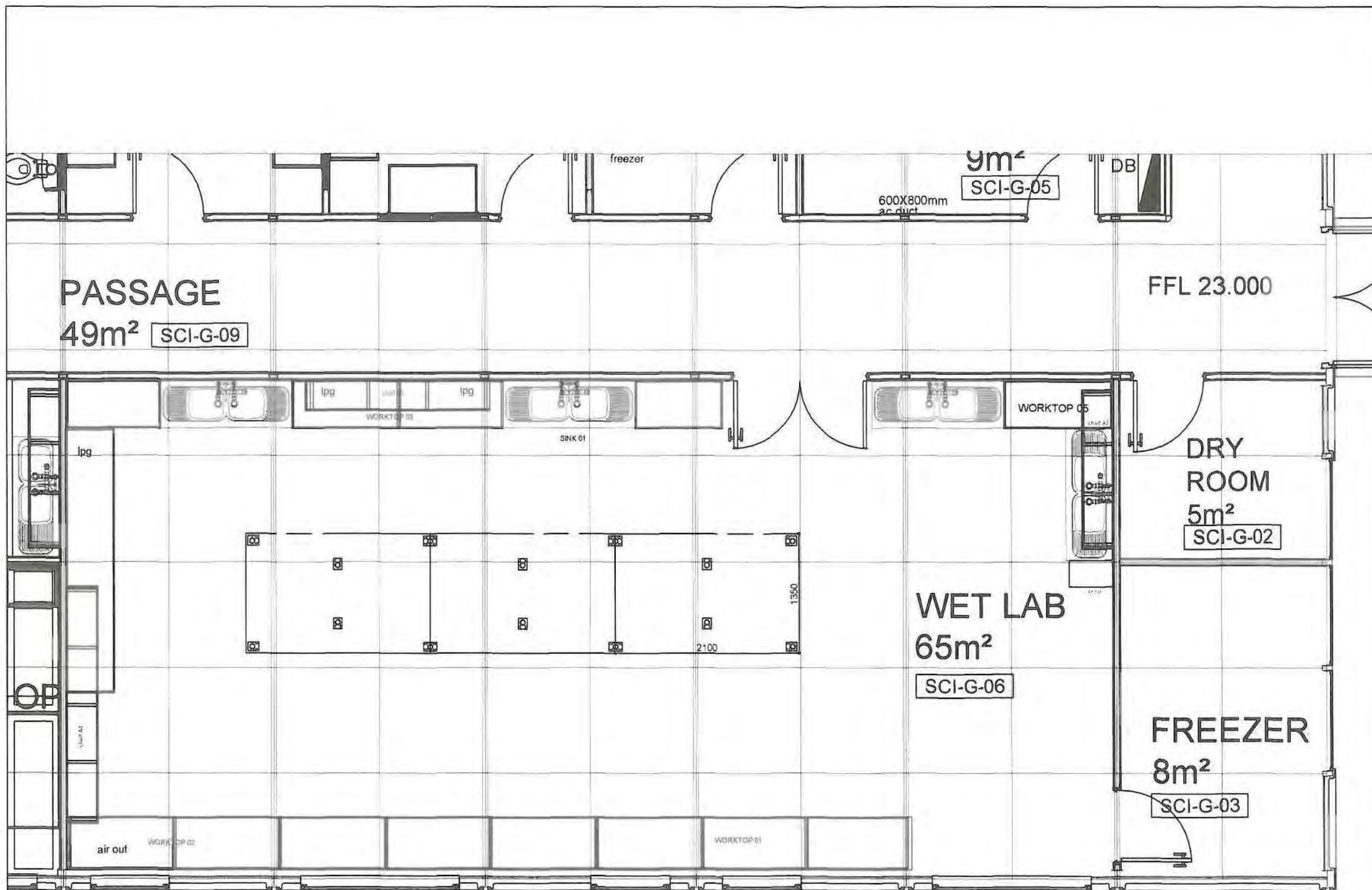
DRAWING NO. A200

REV A

Project Number A 0602

DETAIL NO.	SCALE	DETAIL DESCRIPTION	PLAN
	1:50		

SEE DETAIL NO



ANCILLARY LAB AND DRY LAB

DETAIL NO.	SCALE	DETAIL DESCRIPTION	SEE DETAIL NO.
-	1:50	PLAN	-

REVISIONS			
REV	DATE	BY	DESCRIPTION

NOTES:
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REV.	DATE	DESCRIPTION	BY



PROJECT:
**Interior layouts for
New Reasearch Base,
Marion Island**

STAND NO.:
TOWNSHIP:

DRAWN:- H R SCALE:- AS SHOWN
DATE:- 17/01/2008 CHECKED:- H R

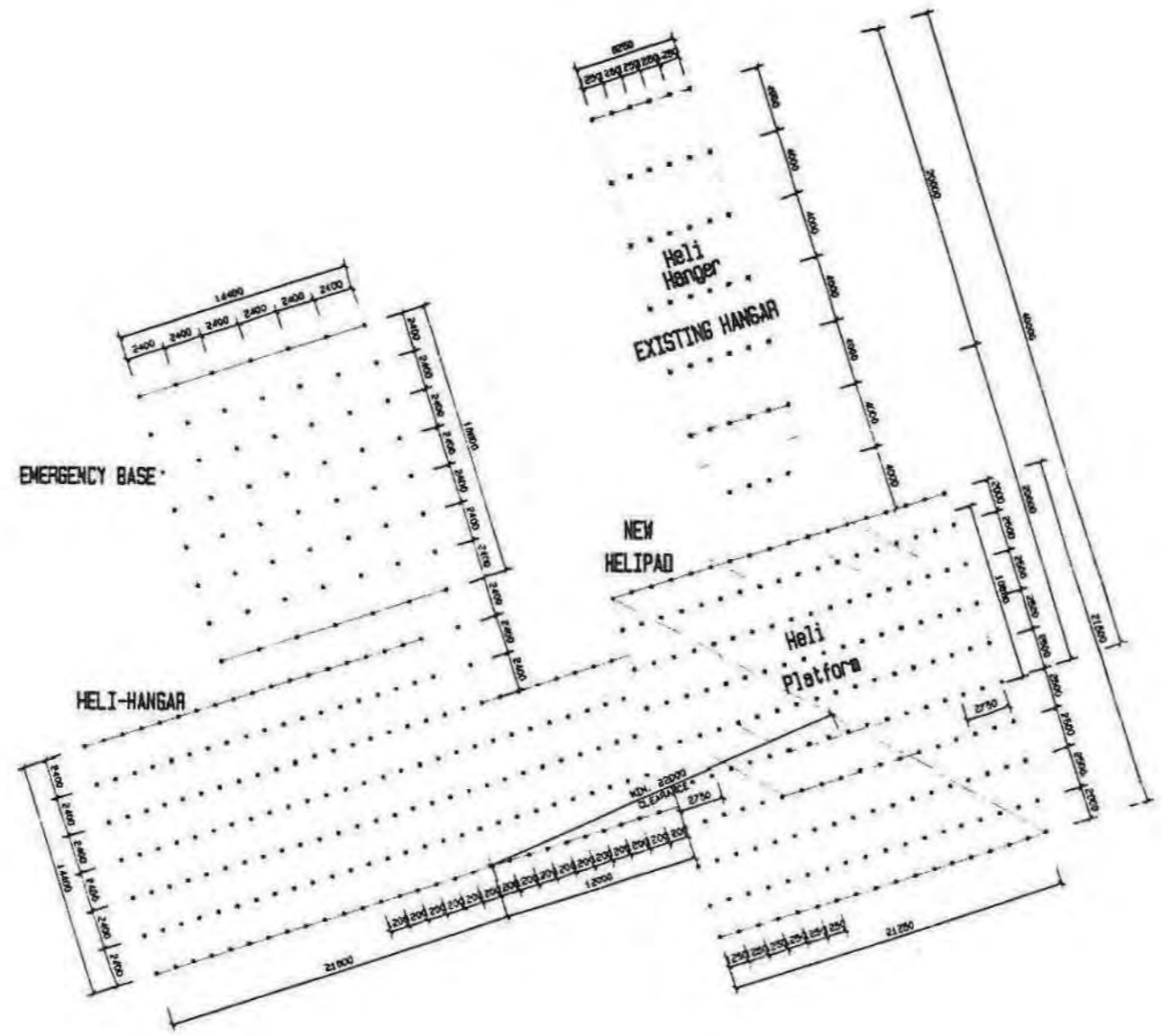
DRAWING TITLE:-
LABORATORY PLANS

DRAWING N° A200 Project Number A 0602



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Department of Public Works

- NOTES/NOTES:-**
- 1) - POSITION OF EXISTING 100mm I.C. & 3m STAINLESS STEEL 304 PIPE PILES.
 - 2) - POSITION OF NEW 1025 3042 PILES.



**MARION ISLAND: HELIPAD & EMERGENCY BASE:
PILING LAYOUT**

1:200



consultant department

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P.O. Box 13028 TEL: (012) 654-8770
CLAYTON FAK: (012) 654-8768
0204 E-mail: enr@enrnet.co.za

discipline **STRUCTURAL**

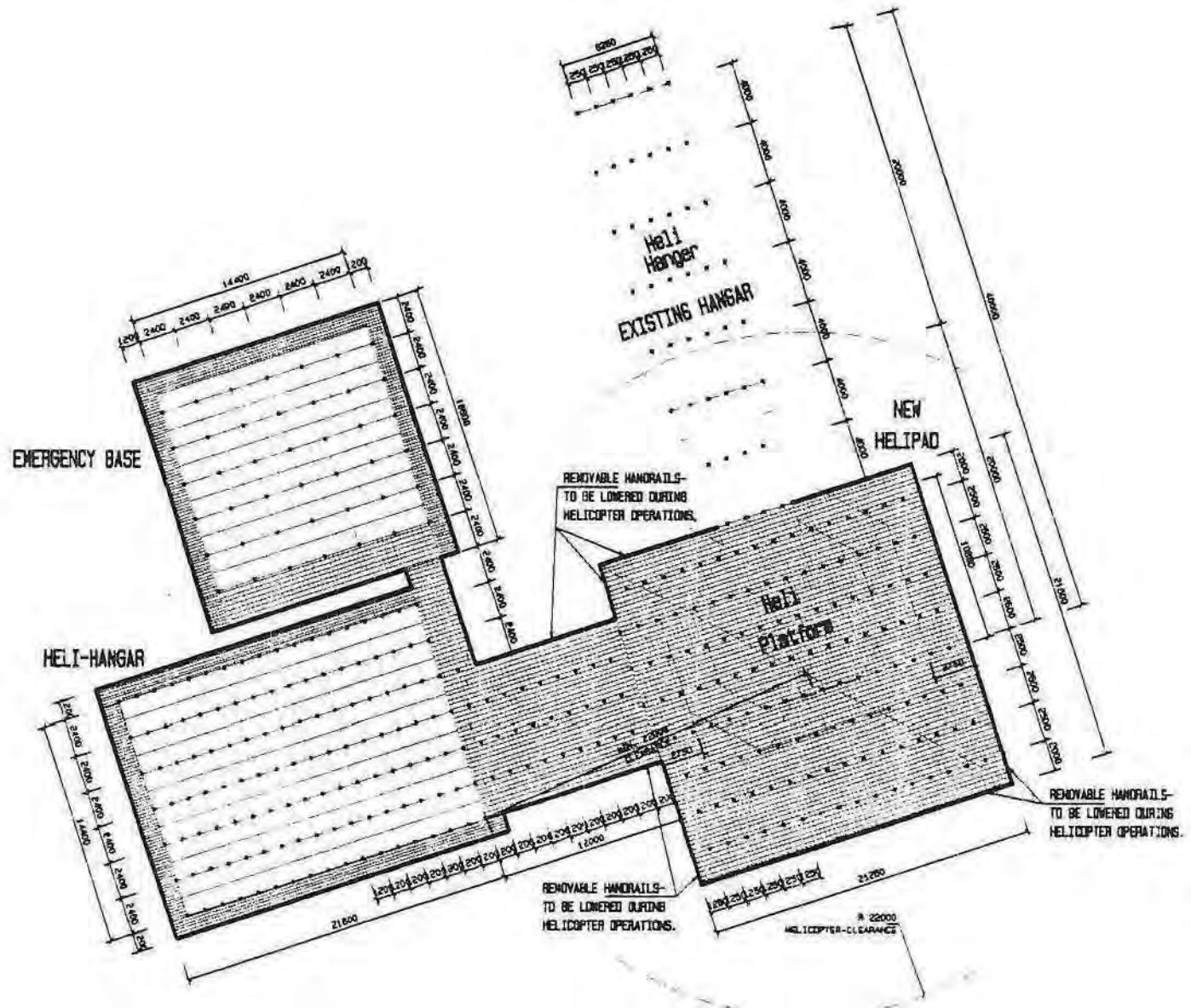
service **MARION ISLAND:
NEW RESEARCH BASE**

WCS number **WCS 035363**

drawing title **HELIPAD & EMERGENCY BASE:
PILING LAYOUT**

ref.no	Surveyed
scale	As shown
date	FEBRUARY 2002
type number	
drawing number	SS178/S4

- NOTES:-**
1. POSITION OF EXISTING 100mm I.D. x 3mm STAINLESS STEEL 304 PIPE PILES.
 2. POSITION OF NEW 102mm 3042 PILES.
 3. POSITION OF NEW 15mm "RECTABLOC" PRESSURE LOCKED GRATING WITH 40mm BEAMER BARS AT 40mm CENTRES AND 7.0mm DIA. ROUND TRANSVERALS AT 40mm CENTRES - GALVANIZED.
 4. 1500 "GRIPFIELD" FUSION WELDED GRATING WITH 100mm BEAMER BARS AT 40mm CENTRES AND 10mm DIA. ROUND TRANSVERALS AT 100mm CENTRES - GALVANIZED.
 5. HANDRAILS SYSTEM PAINTED 30312 STANCHIONS & HANDRAILS WITH ACCESSORIES.



**MARION ISLAND: HELIPAD & EMERGENCY BASE:
PILING & GRATING LAYOUT**

1:200



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P.O. Box 19382 TEL: 011 83 094-0770
DURBAN FAX: 031 26 094-0781
0014 E-mail: consultants@terrativie.co.za

Discipline **STRUCTURAL**

Service
**MARION ISLAND:
NEW RESEARCH BASE**

WCS number **WCS 035363**

Drawing Title
**HELIPAD & EMERGENCY BASE:
PILING LAYOUT
GRATING LAYOUT**

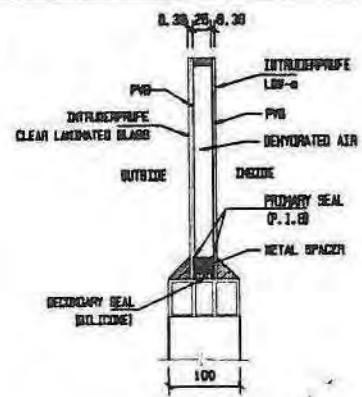
ref.no Surveyed

scale As shown drawn
D.F. LOURENS

date FEBRUARY 2002 checked

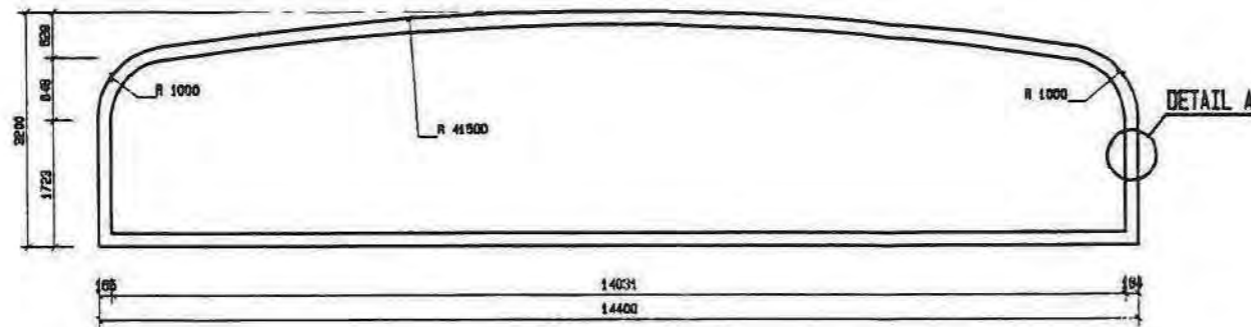
type number

drawing number **SS178/95**



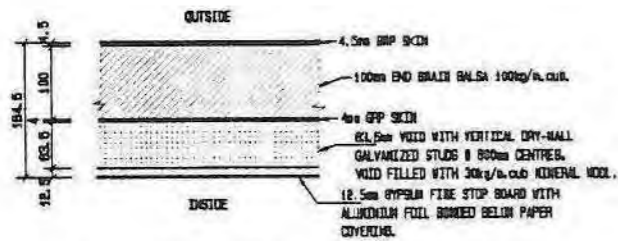
DETAIL: TYPICAL WINDOW:
INSULVUE WITH INTRUDERPROOF GLASS.

1:5



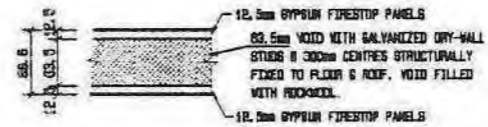
TYPICAL BUILDING SECTION:
BLOCK A, B, C (28800 LONG), E & F (55200 LONG).

1:50



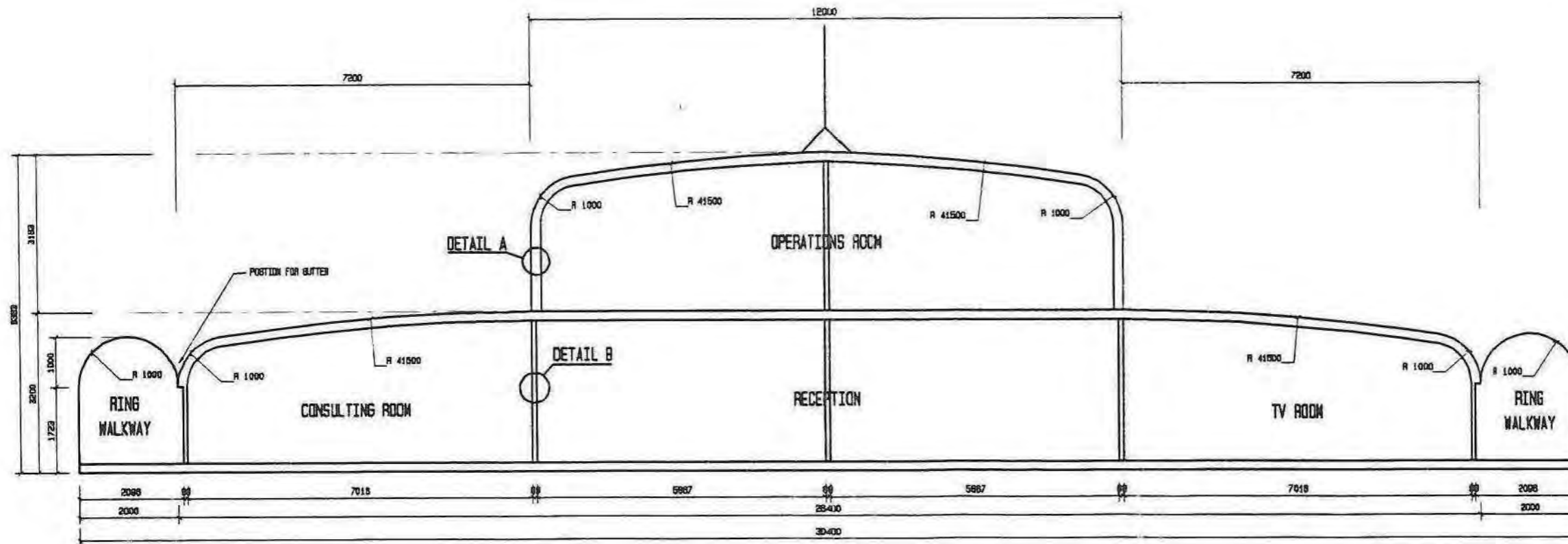
DETAIL A: COMPOSITION OF OUTSIDE WALLS

1:5



DETAIL B:
INTERNAL PARTITION WALL DETAILS

1:5



CONE SECTION

1:50

NOTE:
1) ALL WORK TO COMPLY WITH ON 371 SPECIFICATIONS.

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DEPARTMENT OF PUBLIC WORKS
Private Bag X68
Pretoria 0001
Tel (012) 357 2000

Director-General
T.M. Borutu

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SPRUIT & STASSEN
ENGINEERING CONSULTANTS FOR CIVIL, STRUCTURAL & DEVELOPMENT PROJECTS
P.O. Box 12282
CLAYTON
0014
TEL: (011) 634-6770
FAX: (011) 634-6788
E-mail: spruitstassen@iinet.co.za

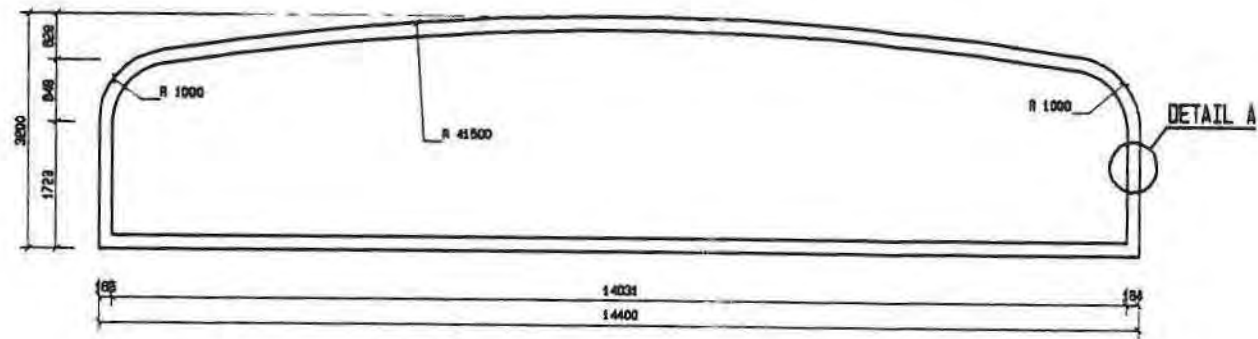
discipline
STRUCTURAL ENGINEERING SERVICES
service
MARION ISLAND:
NEW RESEARCH BASE

WCS number
WCS 035363

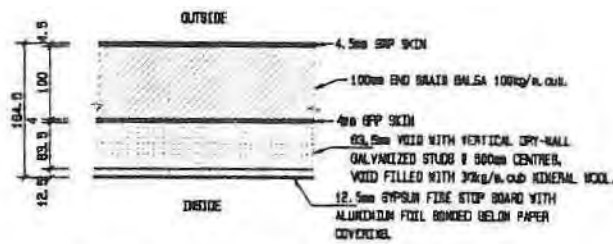
drawing title
RESEARCH BASE:
TYPICAL SECTIONS

refine	designed
scale	drawn
as shown	D.F. LOURENS
date	checked
FEBRUARY 2002	H. R. STASSEN
type number	

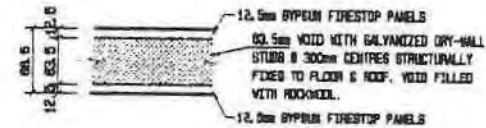
drawing number 99178/57



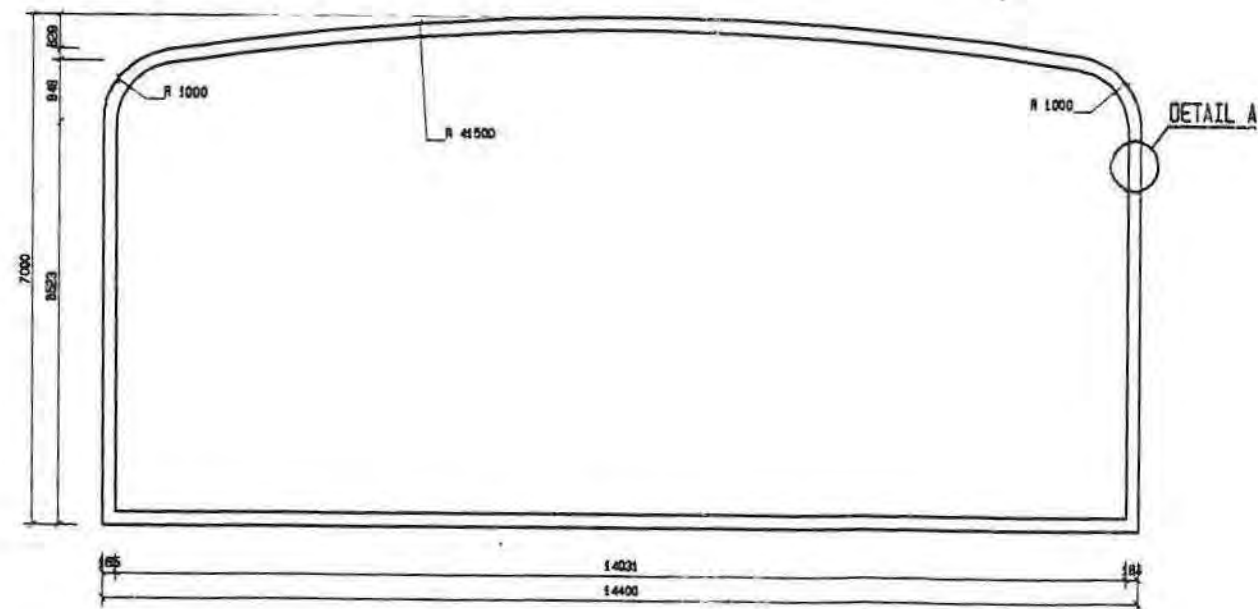
EMERGENCY BASE (13200 LONG):
TYPICAL BUILDING SECTION:
 1:50



DETAIL A: COMPOSITION OF OUTSIDE WALLS
 1:5



DETAIL B:
INTERNAL PARTITION WALL DETAILS
 1:5



HELI-HANGAR (21800 LONG):
TYPICAL BUILDING SECTION:
 1:50

NOTES:

1) ALL WORK TO COMPLY WITH BS 371 SPECIFICATIONS.

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and file name **P-105-508.DWG**

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Director-General
T.M. Sekutu

consultant / departmental

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discipline **STRUCTURAL ENGINEERING SERVICES**
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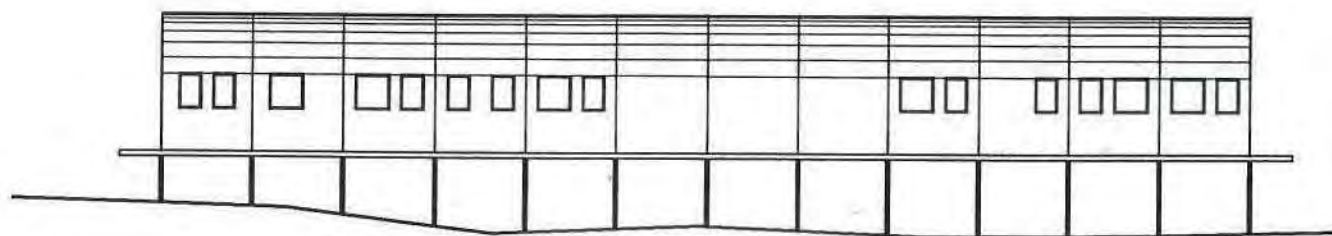
MARION ISLAND:
NEW RESEARCH BASE

WCS number **WCS 035363**

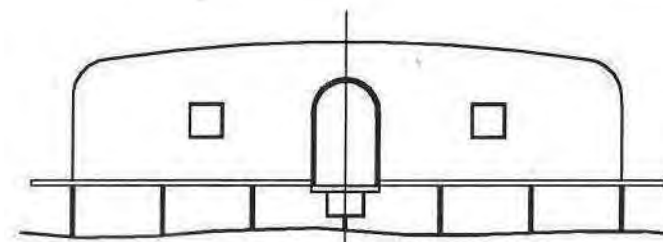
drawing title
EMERGENCY BASE & HELI-HANGAR:
TYPICAL SECTIONS

ref no	designed
date	H. R. STASSEN
AS shown	drawn
date	D. F. LOURENS
FEBRUARY 2002	checked
type number	H. R. STASSEN

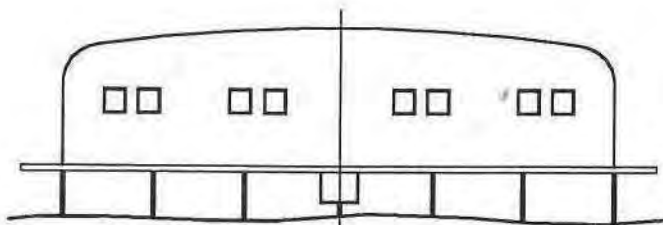
drawing number **S9178/S8**



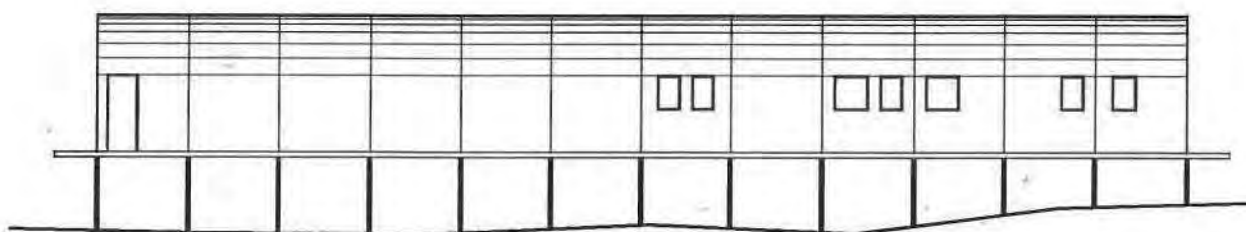
NORTH EAST ELEVATION



SOUTH EAST ELEVATION



NORTH WEST ELEVATION



SOUTH WEST ELEVATION

RECREATION AREA & SLEEPING QUATERS

1:200



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REV.	DATE	DESCRIPTION	BY
-	-	-	-



BERO GROUP ARCHITECTS
Bero Group Architects
P.O. Box 215, Sandton, 2017
Phone: (011) 861 5400
Fax: (011) 861 5401

PROJECT:
**New Marion Island
Research Base**

STAND NO.: -

TOWNSHIP: -

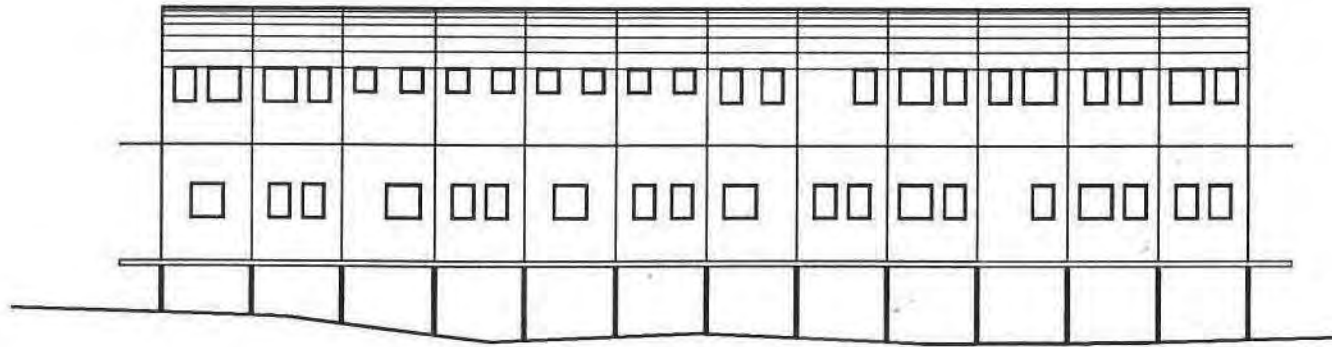
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DATE: 22/02/2002
SCALE: 1:200
CHECKED: -

DRAWING TITLE:
RECREATION AREA & SLEEPING

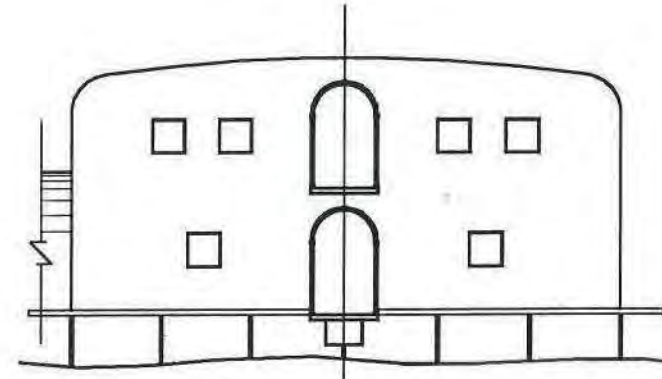
DRAWING N° 0017-elev -2 REV DO

DETAIL NO.	SCALE	DETAIL DESCRIPTION
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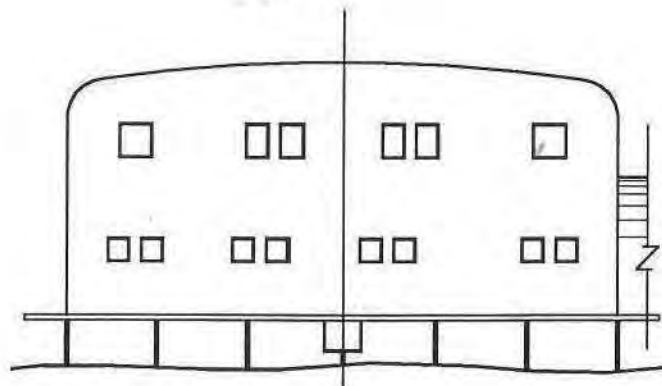
SEE DETAIL NO -



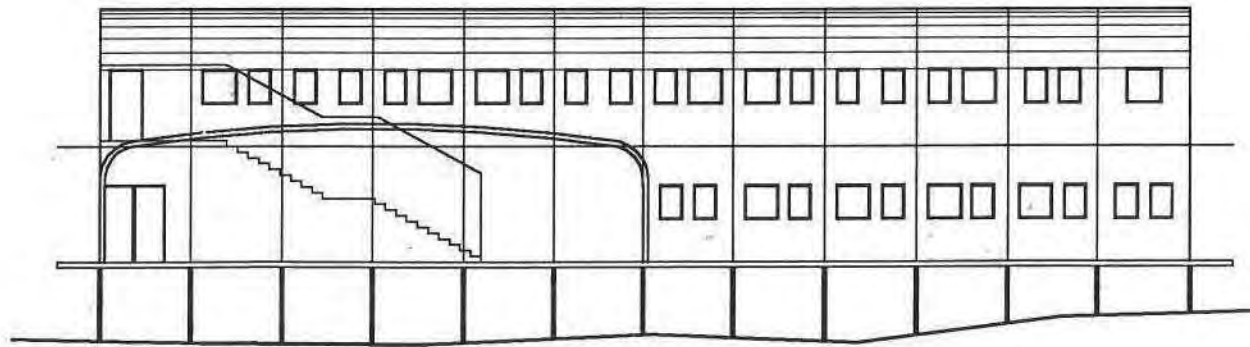
NORTH EAST ELEVATION



SOUTH EAST ELEVATION



NORTH WEST ELEVATION



SOUTH WEST ELEVATION

SCIENCE CENTRE
1:200



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PUBLIC WORKS
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0001
Tel (012) 337 2000

Director-General:
T.M. Sotho

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REV.	DATE	DESCRIPTION	BY



2016 DESIGN ARCHITECTS
Ground Floor Only plan
New Marion Island Research Base
P.O. Box 1020, Johannesburg, 2017
Phone: (011) 551 3407
Fax: (011) 551 3403

PROJECT:
New Marion Island
Research Base

STAND NO.: -

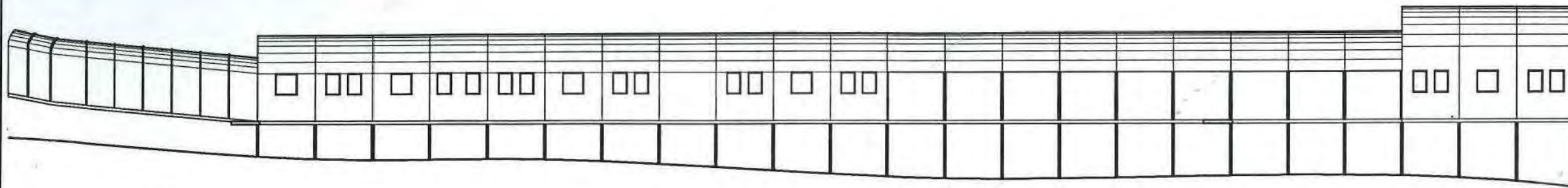
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DATE: 22/02/2002
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CHECKED: -

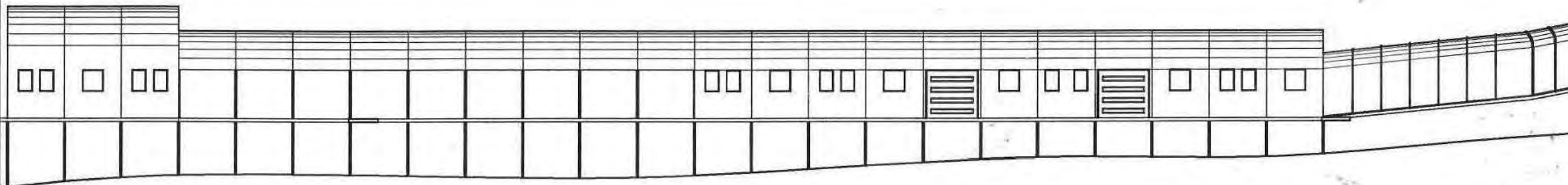
DRAWING TITLE:
SCIENCE CENTRE

DRAWING NO. 0017-elev -2

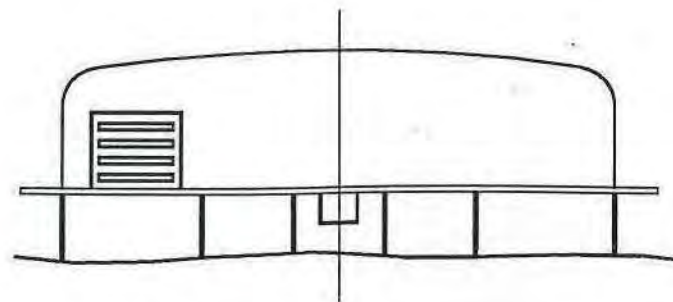
DETAIL NO.	SCALE	DETAIL DESCRIPTION	SEE DETAIL NO.
-	1:XX	XXX	-



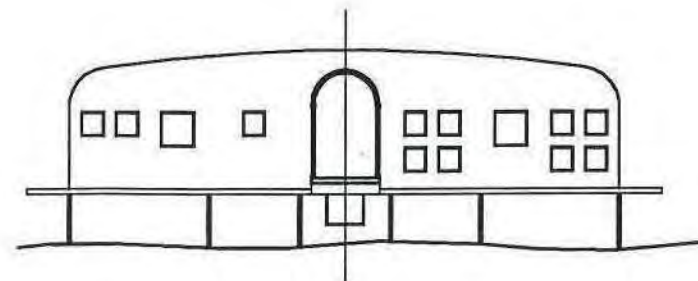
NORTH ELEVATION



SOUTH ELEVATION



EAST ELEVATION



WEST ELEVATION

TECHNICAL CENTRE
1:200

DETAIL NO.	SCALE	DETAIL DESCRIPTION
-	1:XX	XXX

SEE DETAIL NO



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Director-General:
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REV.	DATE	DESCRIPTION	BY
-	-	-	-



DMG GROUP ARCHITECTS
Ground Floor, 2nd Floor
100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

PROJECT:
New Marion Island
Research Base

STAND NO.: -

TOWNSHIP: -

DRAWN: HR
DATE: 22/02/2002
SCALE: 1:200
CHECKED: -

DRAWING TITLE:
TECHNICAL CENTRE

DRAWING NO 0017-elev -2 REV/DO

Approved by the
Department of
Environmental Affairs
and Tourism

Name:
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Date:



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Director-General:
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International Trade Centre
P.O. Box 2154, Sandton, 2017
Phone: (011) 634 5400
Fax: (011) 634 5402

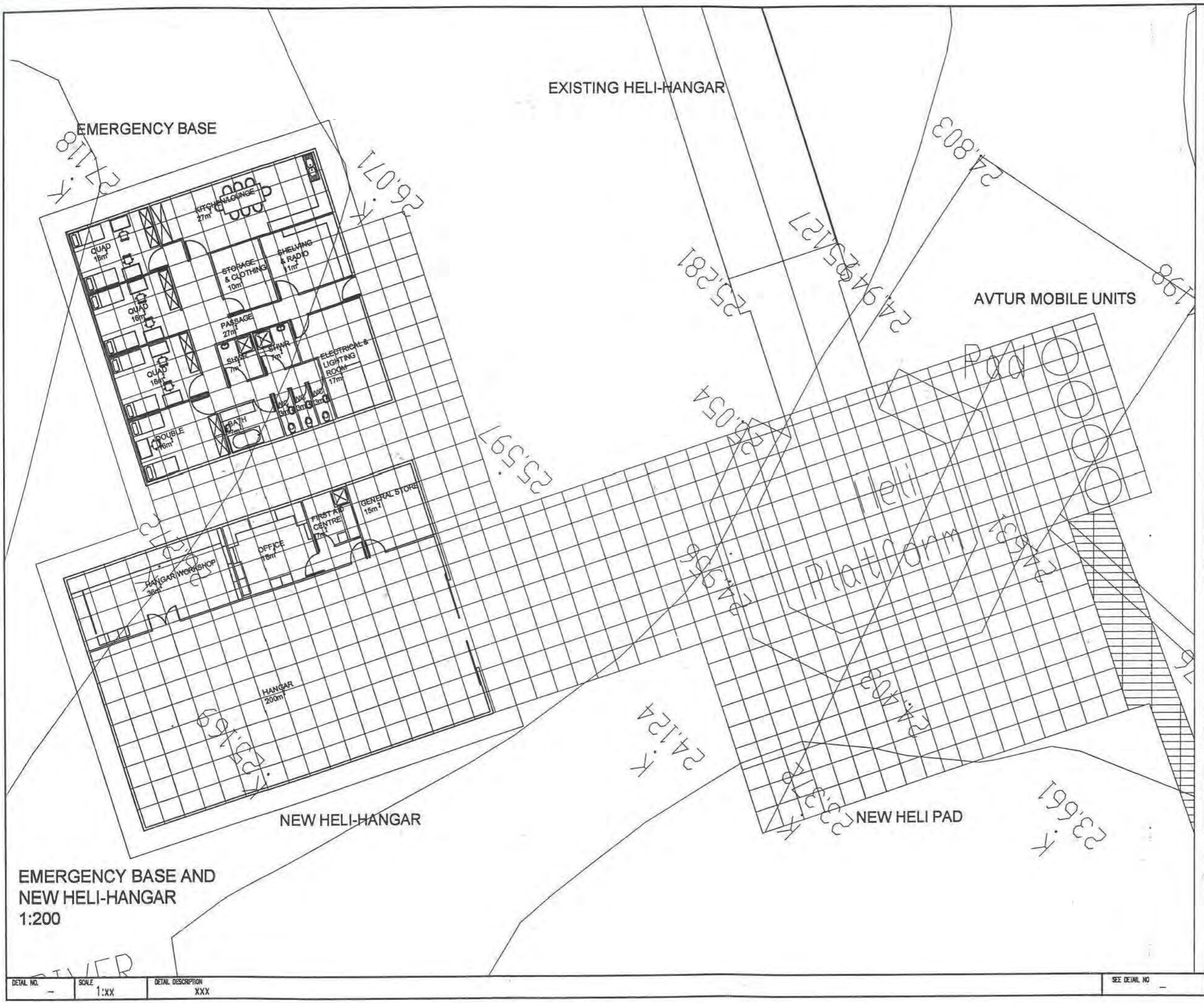
PROJECT:
**New Marion Island
Research Base**

STAND NO.: -
TOWNSHIP: -

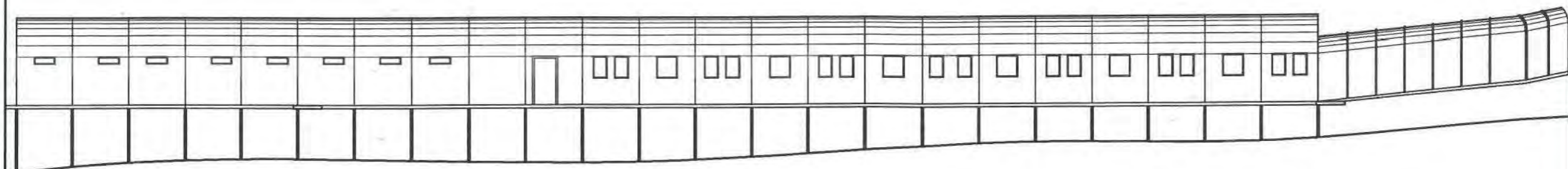
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DATE: 22/02/2002 CHECKED: -

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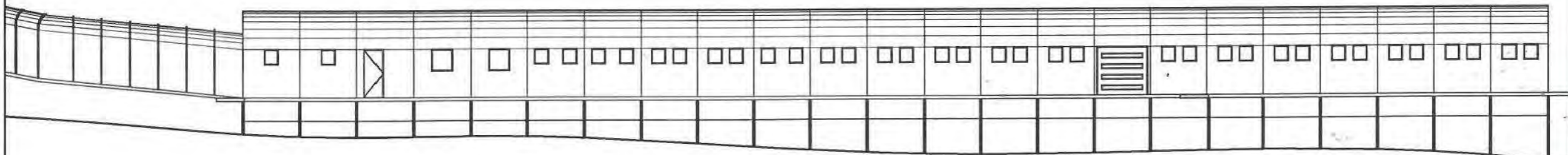
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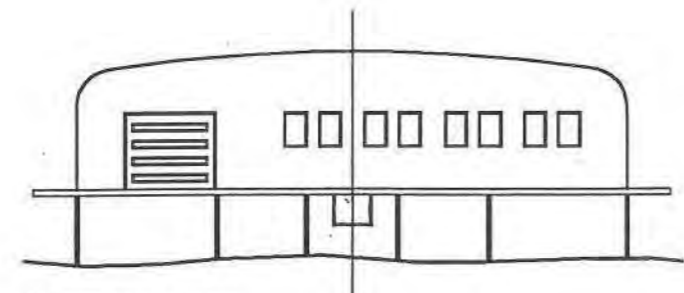
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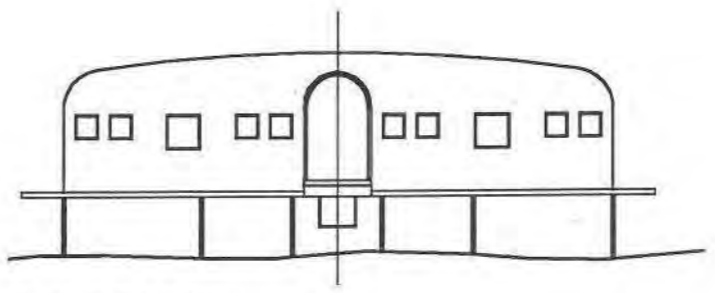
NORTH ELEVATION



SOUTH ELEVATION



WEST ELEVATION



EAST ELEVATION

LIVING CENTRE
1:200

DETAIL NO.	SCALE	DETAIL DESCRIPTION	SEE DETAIL NO.
-	1:XX	XXX	-

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BMD GROUP ARCHITECTS
Ground Floor, 5th Floor
Bancroft Park, Westmead, NSW
Private Bag 100, Westmead NSW 2115
Tel (02) 91 555 542

PROJECT:
New Marion Island Research Base

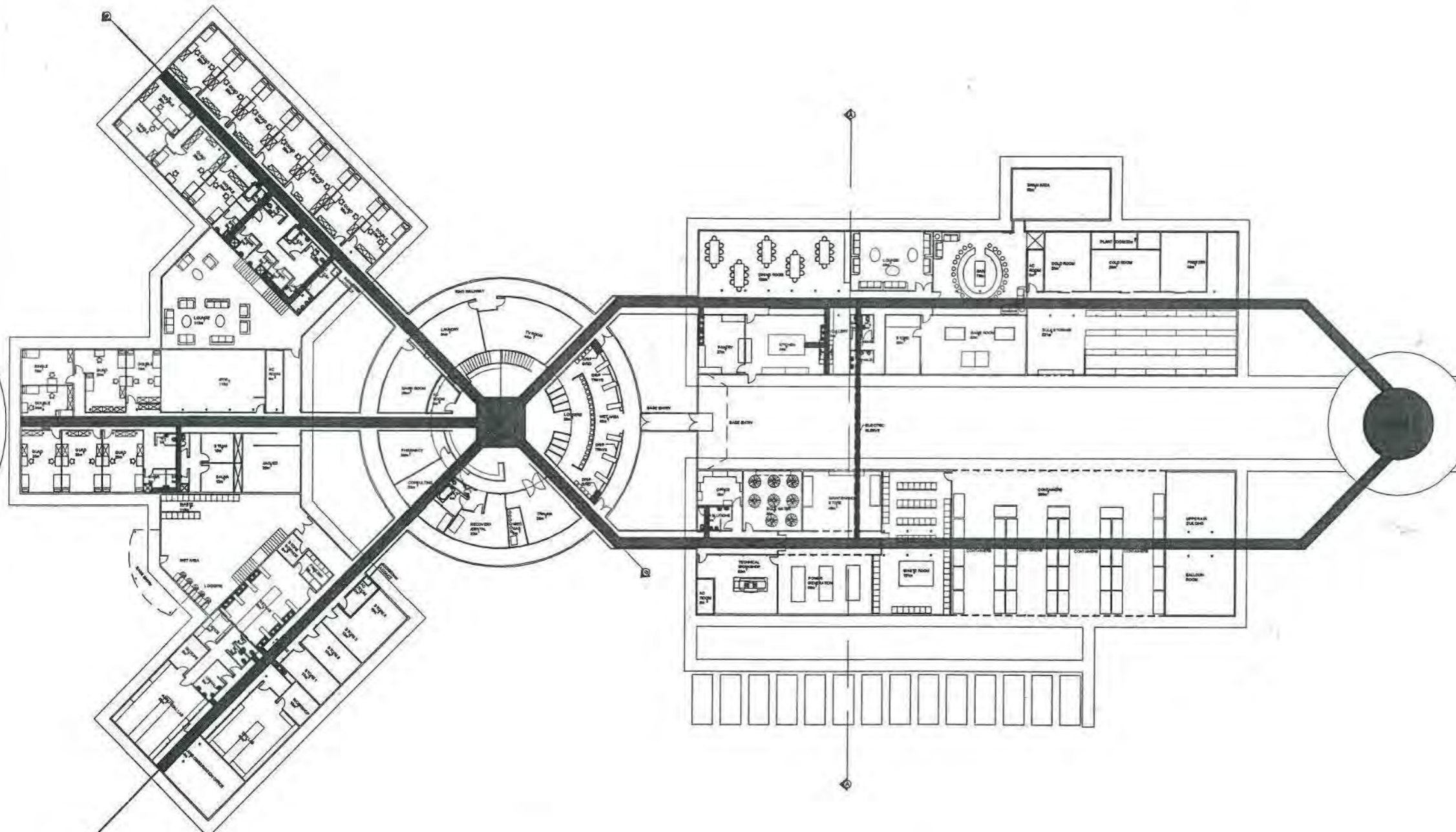
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DATE: 22/02/2002	CHECKED: -

DRAWING TITLE: -

DRAWING NO. 0017-elev -2 REV 00



Duct plan layout
Ground Floor
1:500

MARION ISLAND



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PROJECT:
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STAND NO.: -

TOWNSHIP: -

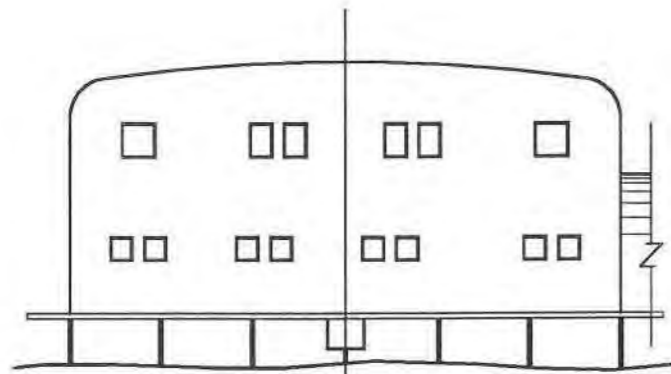
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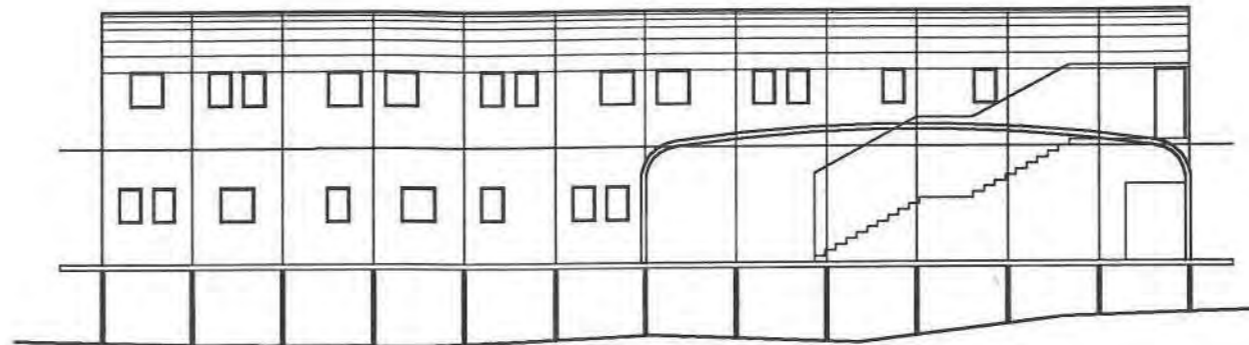
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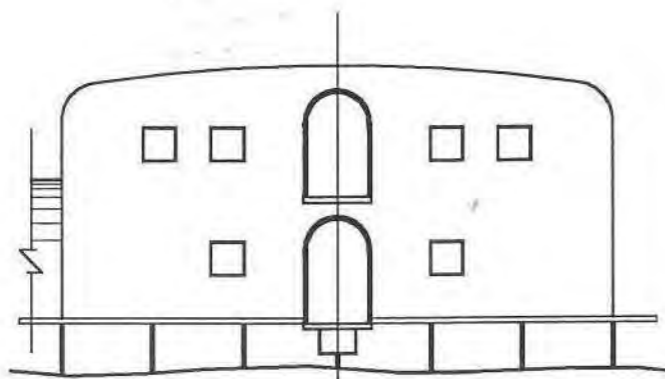
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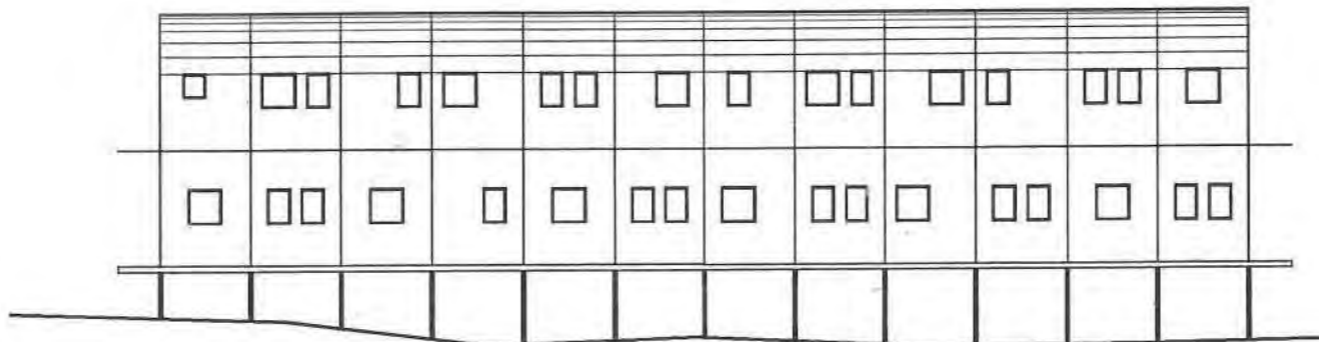
NORTH WEST ELEVATION



SOUTH WEST ELEVATION



SOUTH EAST ELEVATION



NORTH EAST ELEVATION

SLEEPING QUARTERS
1:200

DETAIL NO.	SCALE	DETAIL DESCRIPTION	SEE DETAIL NO.
-	1:XX	XXX	-



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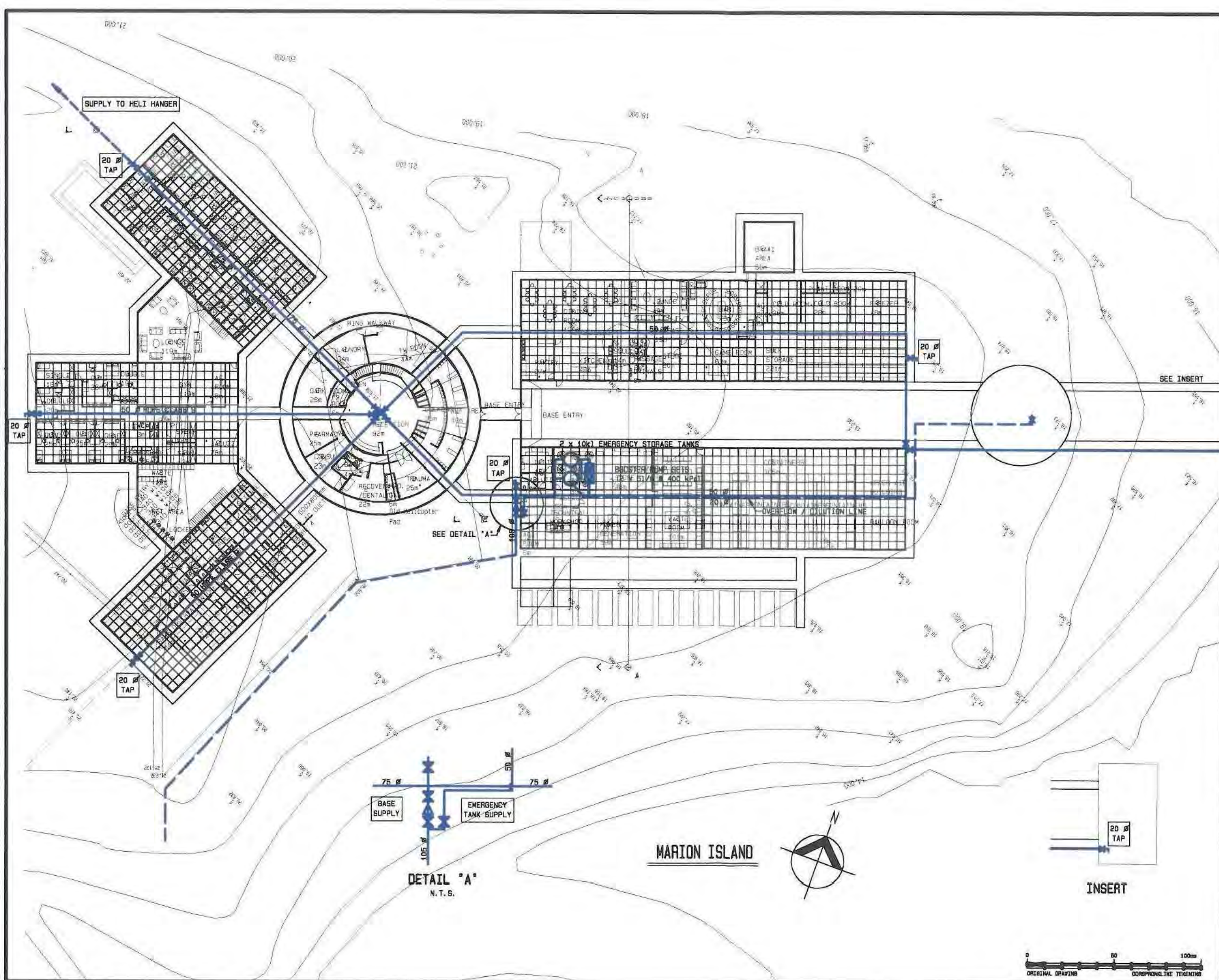
PROJECT:
**New Marion Island
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ISLAND NO.: -
TOWNSHIP: -

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DATE: 22/02/2002
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CHECKED: -

DRAWING TITLE:
SLEEPING QUARTERS

DRAWING N° 0017-elev -2 REV/00



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discipline **CIVIL**

service
NEW MARION ISLAND RESEARCH BASE

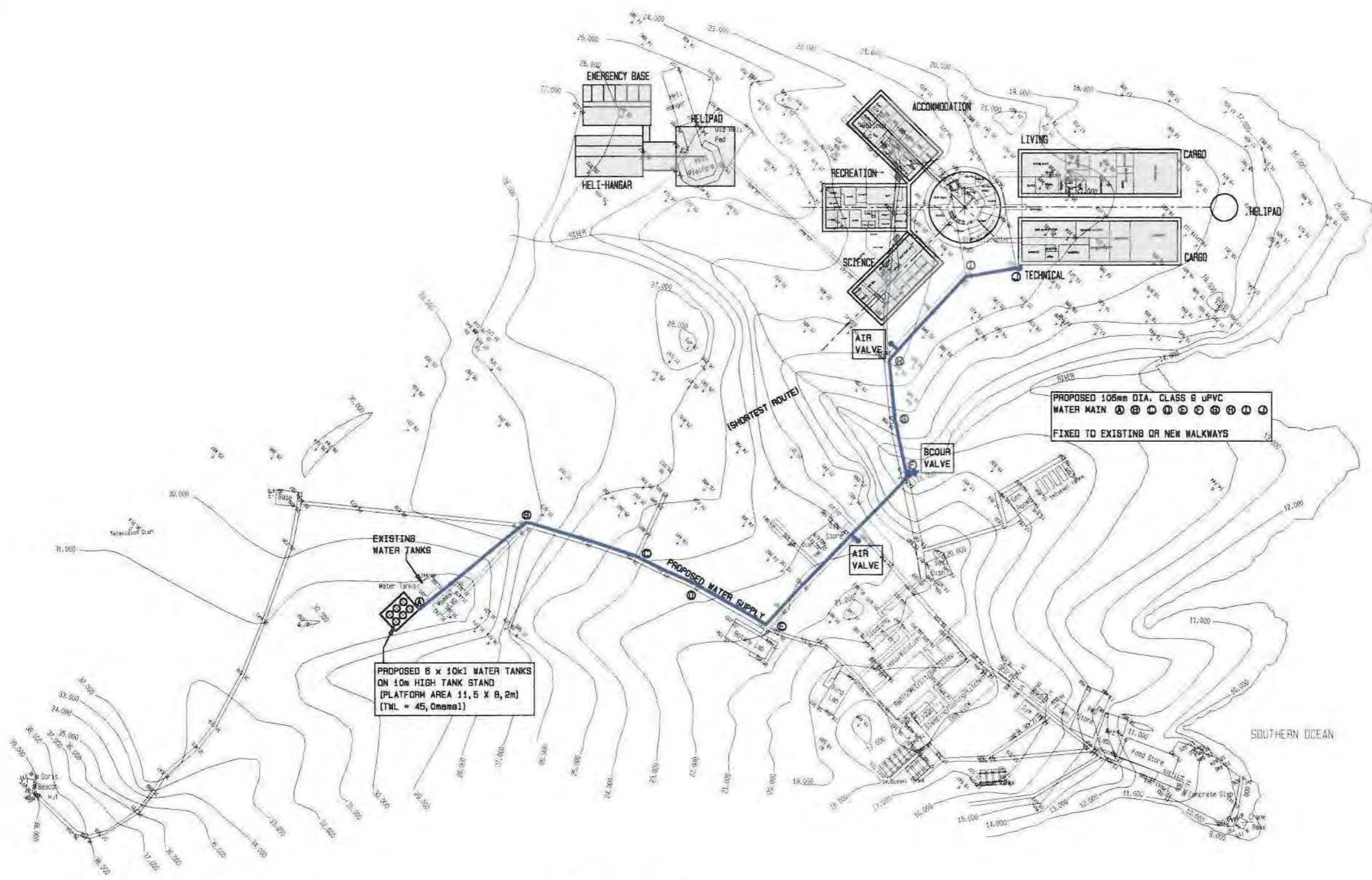
CIVIL SERVICES

WCS number
WCS 035363

drawing title
PROPOSED WATER RETICULATION LAYOUT (1)

ref no	Surveyed
scale	drawn J.E. LABURCHANE
date	checked J.G. PRIEN
type number	

drawing number **01H0925/W01 PRELIM**



MARION ISLAND
1:750



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Discipline: **CIVIL**

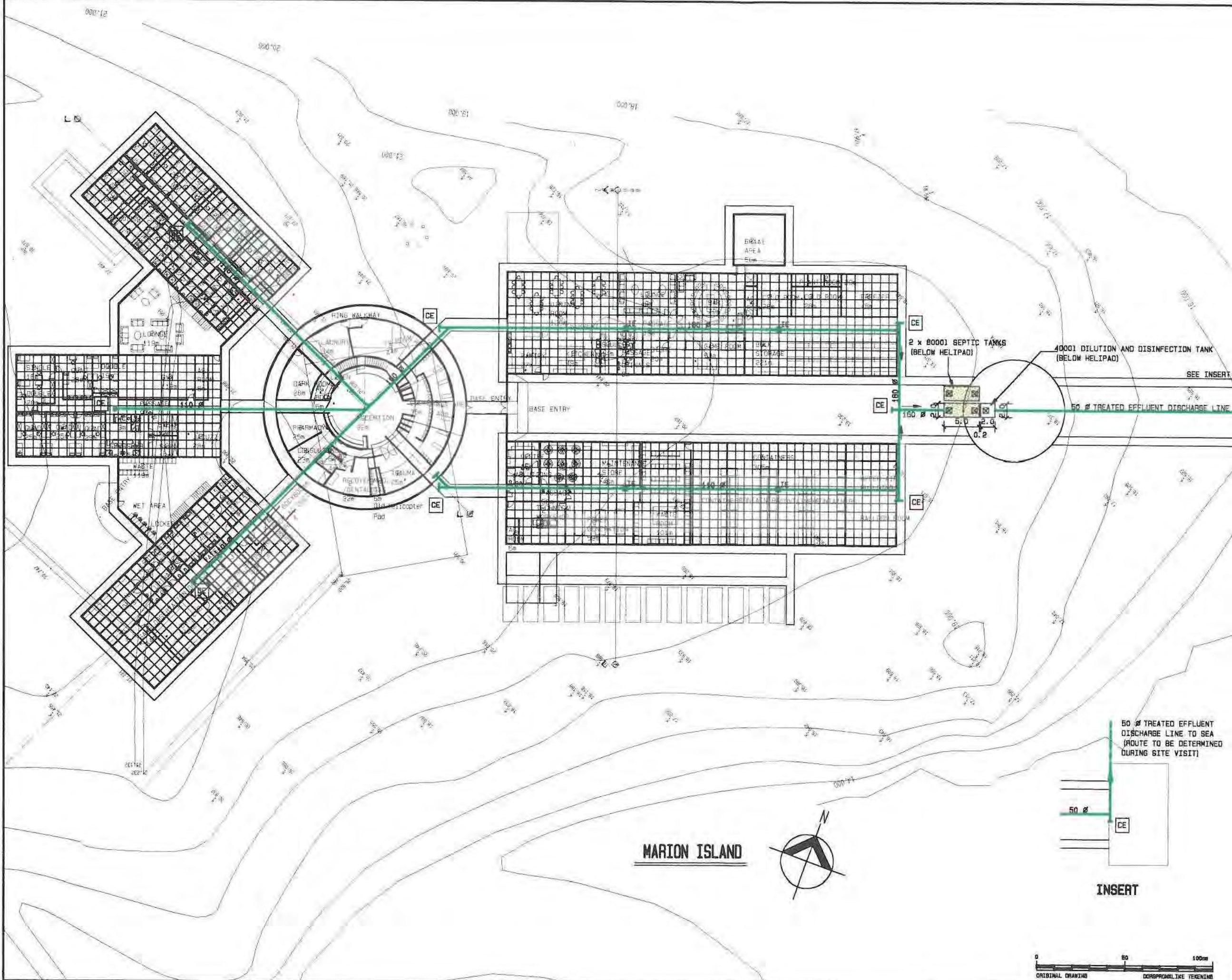
service: **NEW MARION ISLAND RESEARCH BASE**
CIVIL SERVICES

WCS number: **WCS 035363**

drawing title: **PROPOSED WATER RETICULATION LAYOUT (2)**

ref.no	Surveyed
scale: As shown	drawn: J. E. LABUSCHAGNE
date: JANUARY 2002	checked: J. D. FRIED
type number	

drawing number: **01H0925/W02 PRELIM**



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 discipline: **CIVIL**

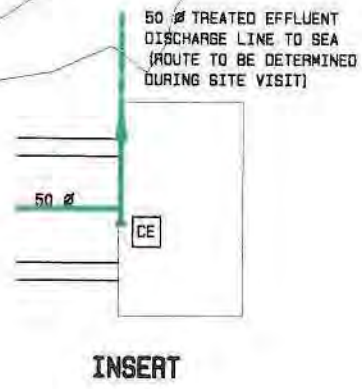
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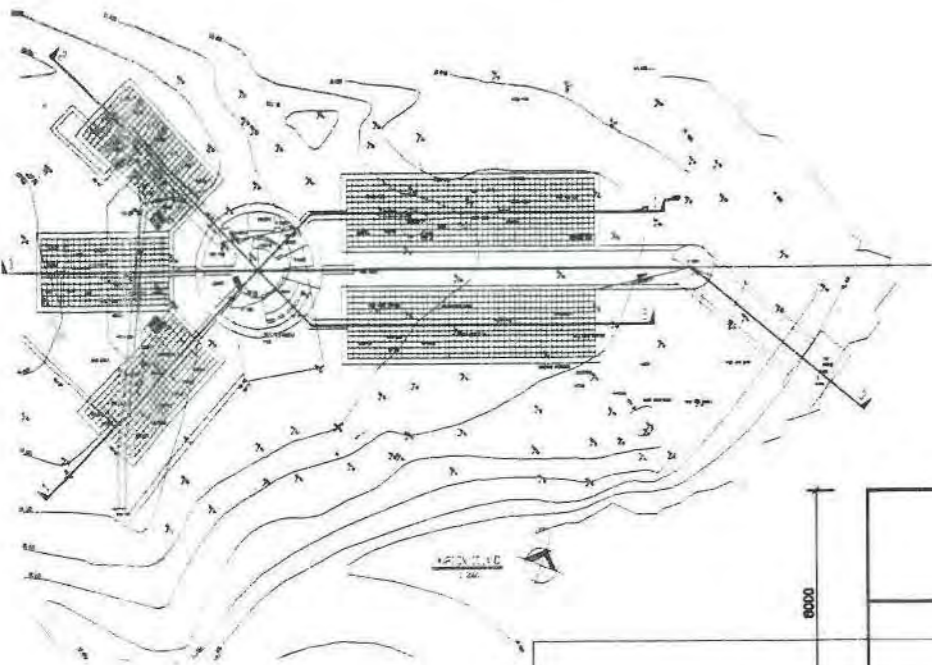
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drawing title: **PROPOSED SEWER RETICULATION LAYOUT**

ref.no	Revised
scale	As shown
date	JANUARY 2002
type number	
drawn	J.E. LABURCHANE
checked	J.D. FRIEN

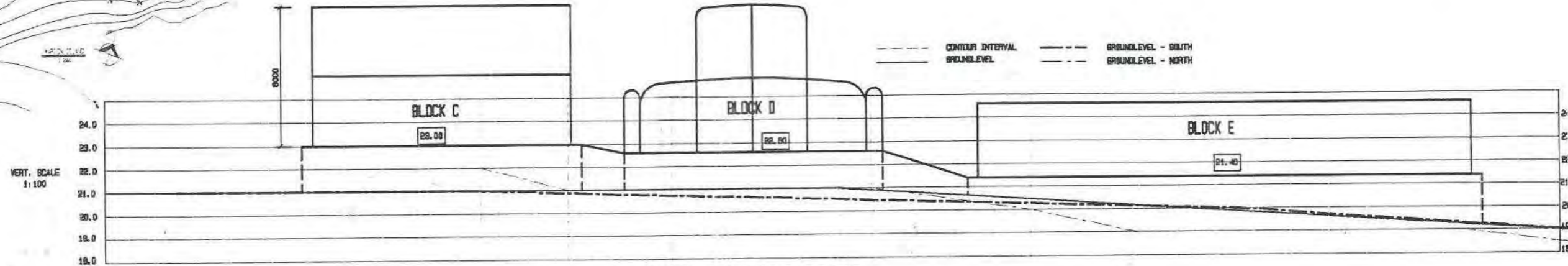
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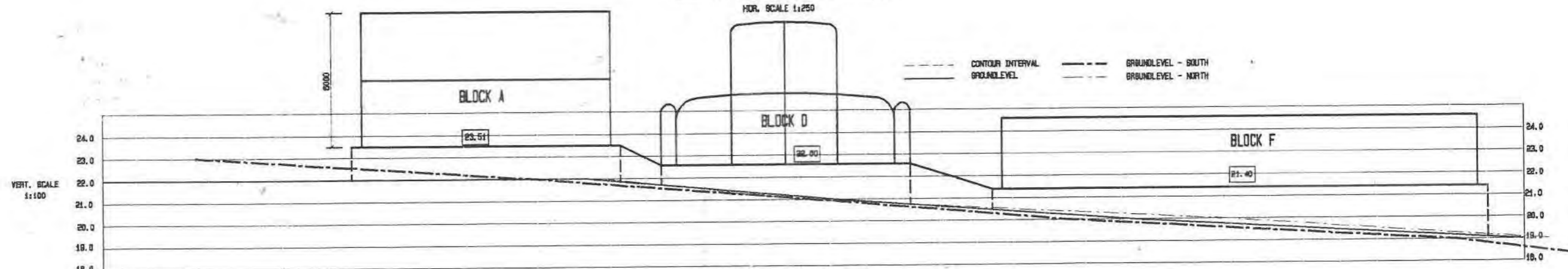


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 0014 E-mail : endecon@netactive.co.za

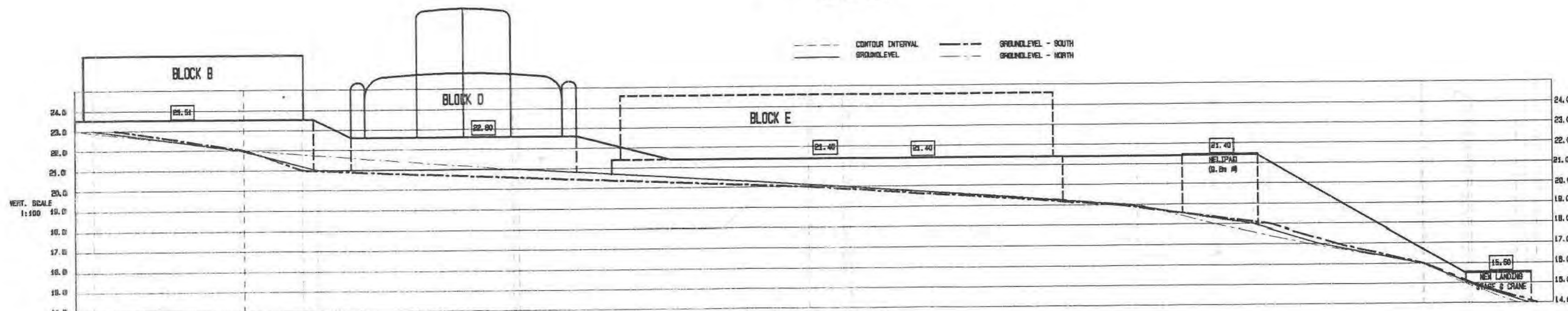
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NPWD		SECTIONS
Project	Project	Scale
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Client Plan No.	Client Plan No.	



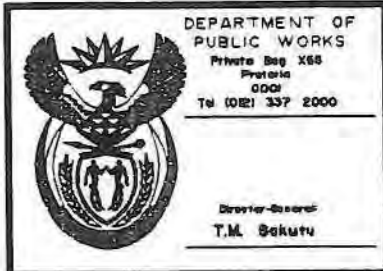
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CROSS SECTION: 2 (SOUTH BUILDING)

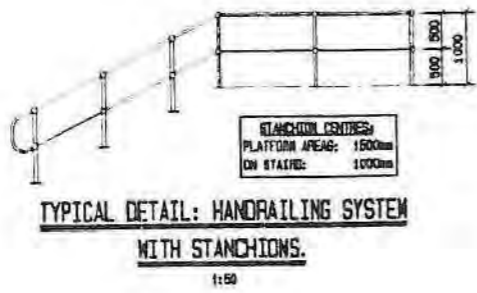
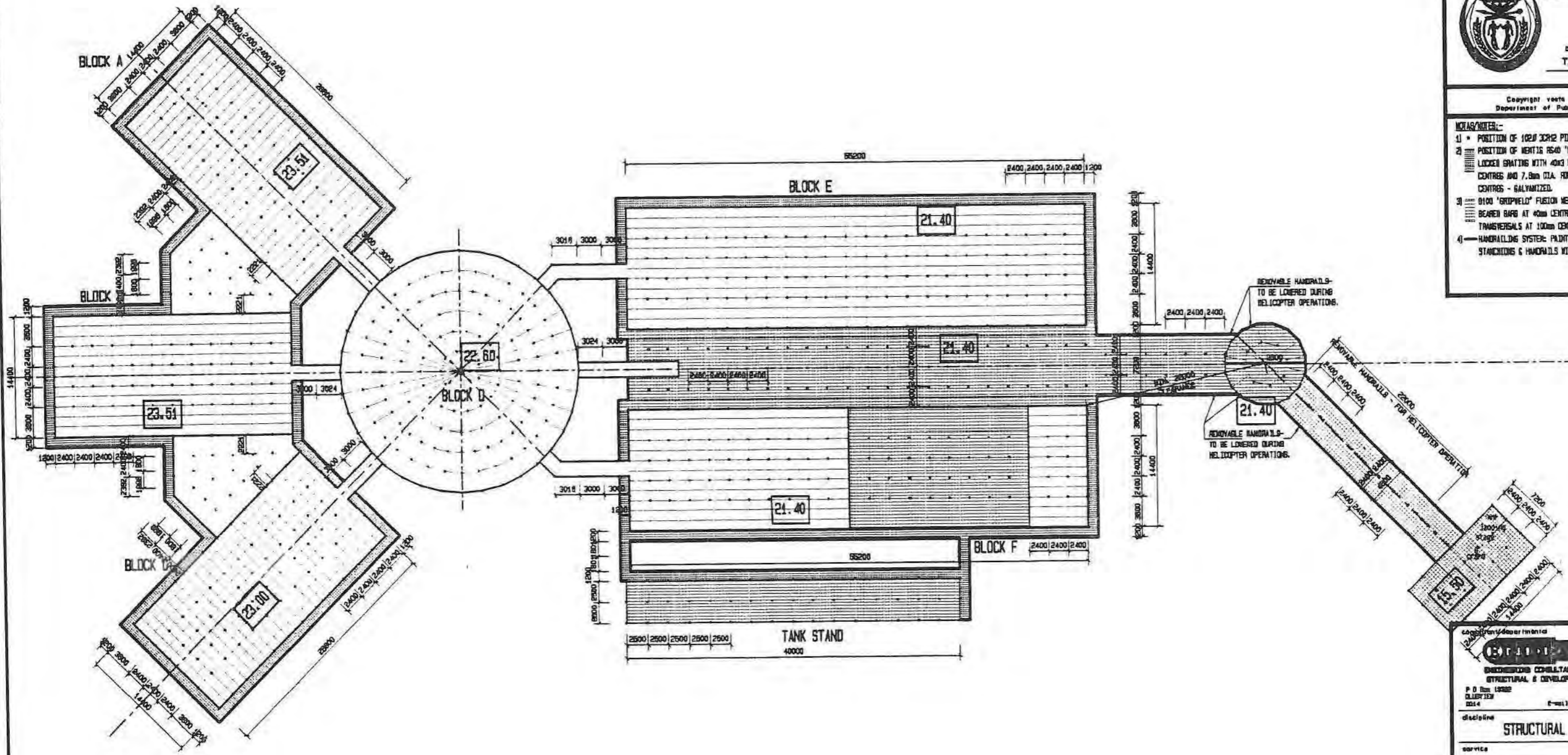


CROSS SECTION: 3 (CENTRE)



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- NOTES:
- 1) POSITION OF 102# JCR2 PILES.
 - 2) POSITION OF 102# 'RECTGRID' PRESSURE LOCKER GRATING WITH 40x3 BEARER BARS AT 40mm CENTRES AND 7.5mm DIA. ROUND TRANSVERALS AT 48mm CENTRES - GALVANIZED.
 - 3) 9100 'GRIPWELD' FUSION WELDED GRATING WITH 100x5.5 BEARER BARS AT 40mm CENTRES AND 10mm DIA. ROUND TRANSVERALS AT 100mm CENTRES - GALVANIZED.
 - 4) HANDRAILING SYSTEM: PAINTED JCR2 STANCHIONS & HANDRAILS WITH ACCESSORIES.



MARION ISLAND: NEW RESEARCH BASE:
PILING & GRATING LAYOUT

1:200



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discipline **STRUCTURAL**

service

**MARION ISLAND:
NEW RESEARCH BASE**

WCS number **WCS 035363**

drawing title
**PILING LAYOUT.
GRATING LAYOUT.**

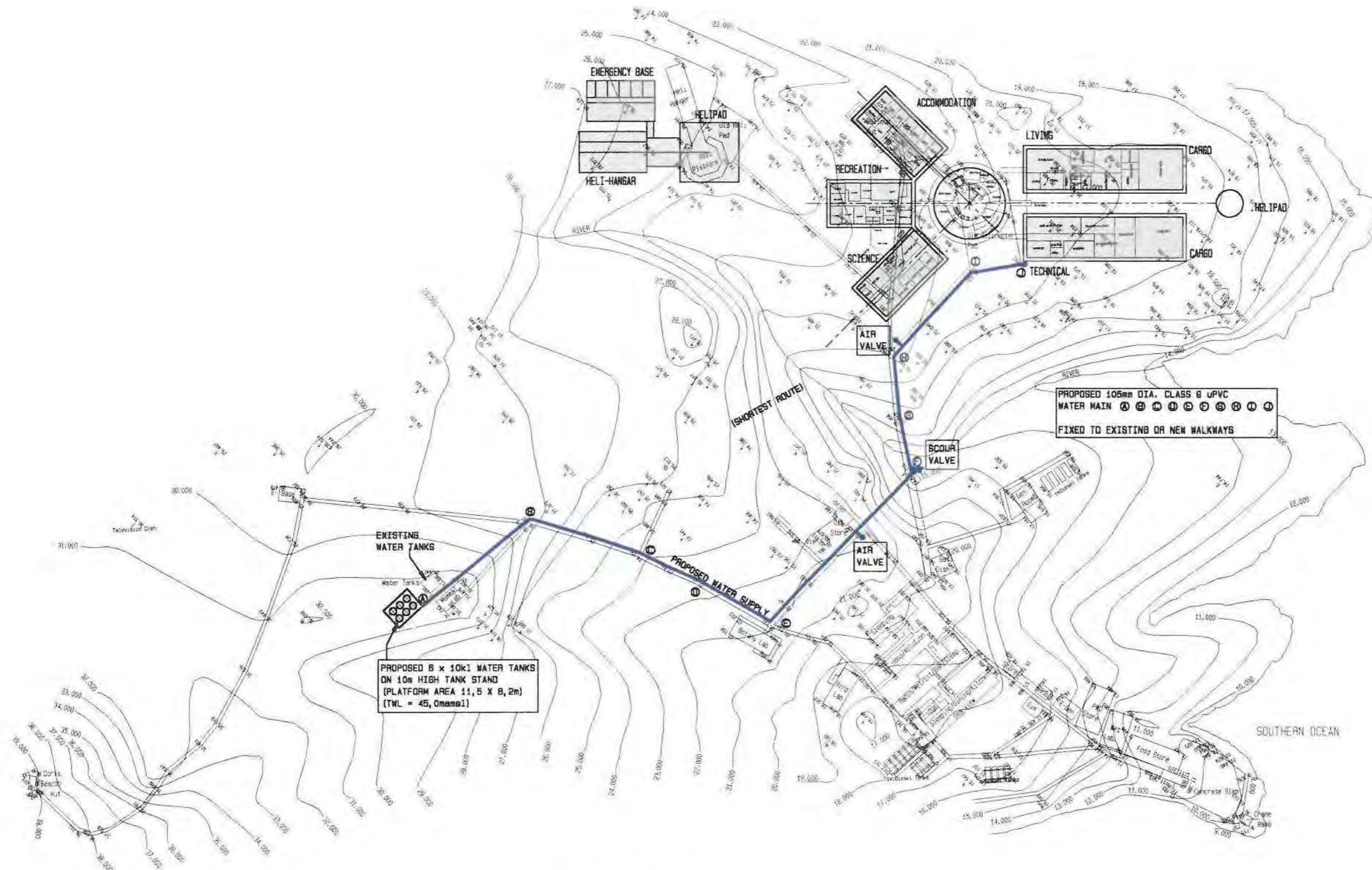
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scale As shown drawn D.F. LOURENS

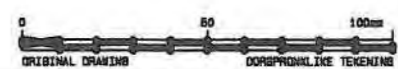
date JANUARY 2002 checked

type number

drawing number **S9178/S1 REV. 1**




MARION ISLAND
1:750



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APPROVED / REVISIONS: _____ DATE / DATE: _____
discipline: **CIVIL**

service: **NEW MARION ISLAND RESEARCH BASE**

CIVIL SERVICES

WCS number: **WCS 035363**

drawing title: **PROPOSED WATER RETICULATION LAYOUT (2)**

ref.no	Surveyed
scale	As shown
date	JANUARY 2002
type number	
drawing number	01H0925/NO2 PRELIM

drawn: **J.E. LABUCHARNE**
checked: **J.O. PRITH**