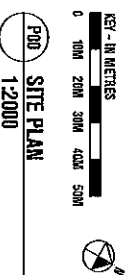
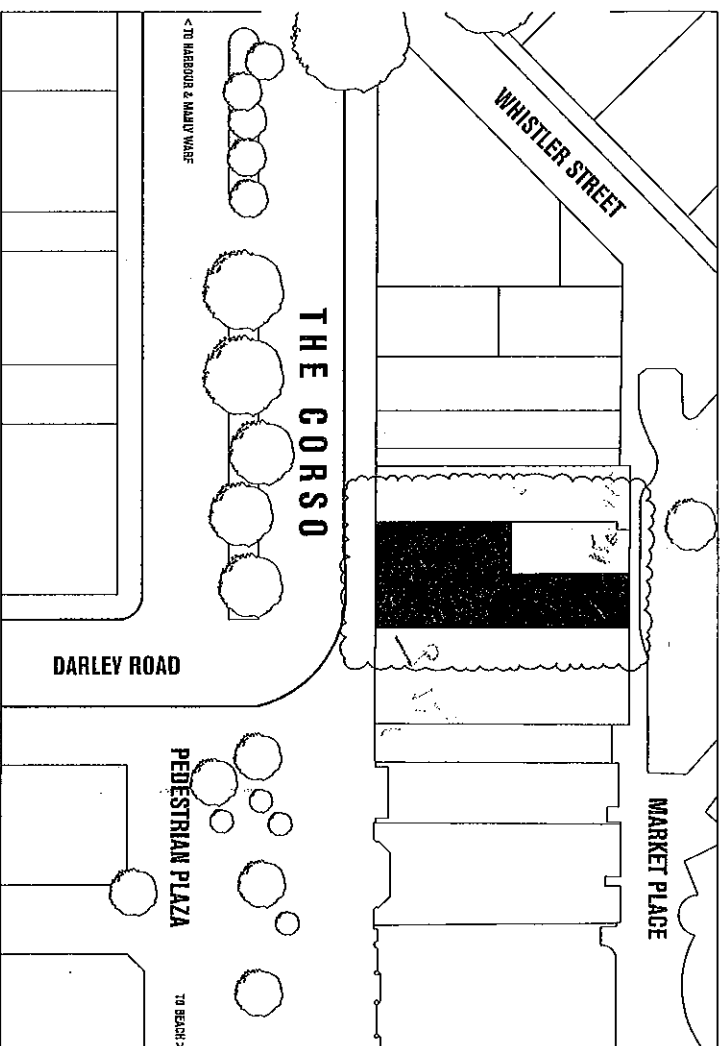


POO SITE PLAN
N.T.S.



CONSTRUCTION CERTIFICATE
Approved Plans & Specifications relating to:
Certificate No. _____ Date _____
0 8 6 /10 2 2 - 0 3 - 10
APPROVED
DIX GARDNER PTY LTD



st.george

anjour arrowsmith

Apertures Building, Lower Ground Floor
540-550 Street, Melbourne, VIC 3000
ph +61 (0)3 6810 5500 fax +61 (0)3 6810 5506

ST.GEORGE: Manly,
St George, 15A & 17 The Corso,
Manly, NSW 2095

FOR CONSTRUCTION

REVISIONS

Rev	Description	By	Date
1	As Permitted	SM	04/03/09
2	As Permitted	PS	08/03/09

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FOR CONSTRUCTION

REVISIONS

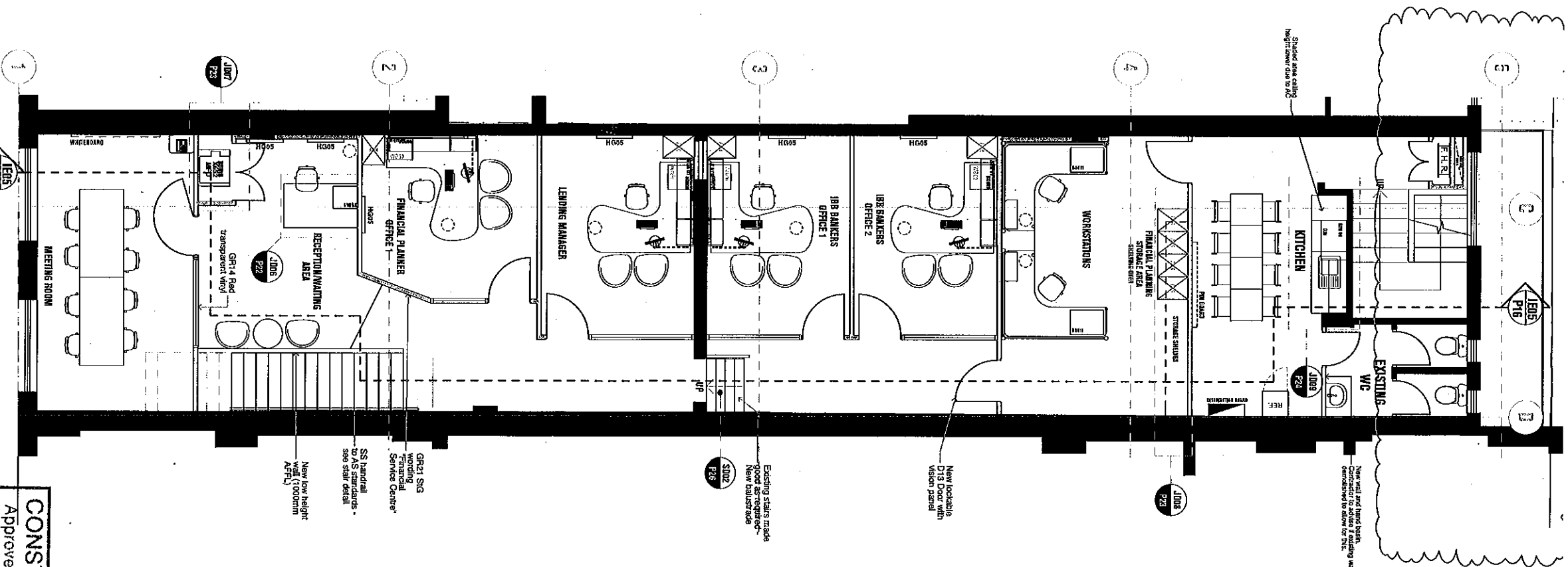
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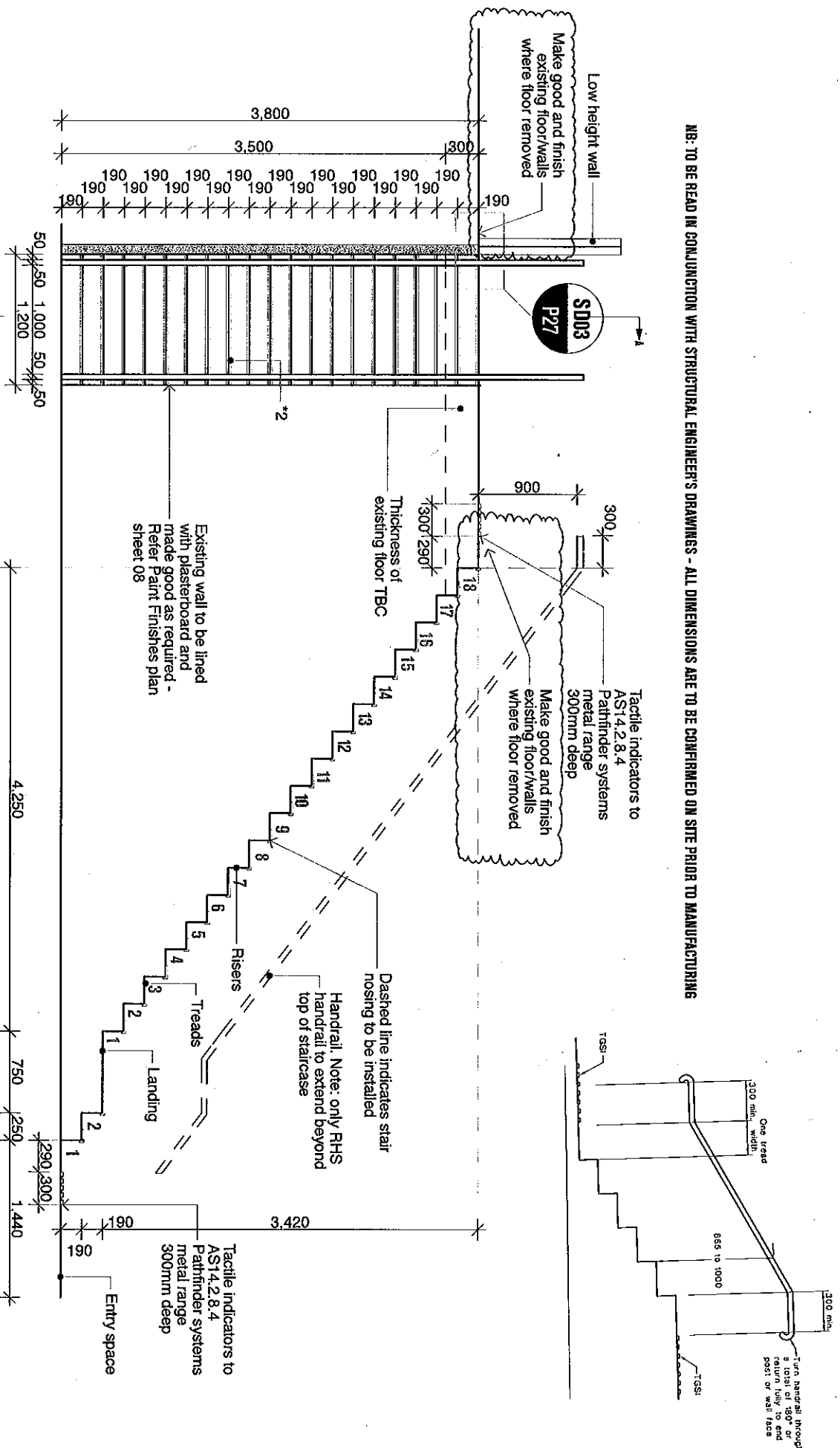
- EXISTING MASONRY WALL (Sheet any exposed masonry in plasterboard & finish)
- NEW INTERLOCKING STUD WALL BY LANDLORD (65-100mm thick overall)
- NEW BR WALLS (60mm thick overall)
- NEW INTERNAL GLAZING PARTITIONS
- NEW LOW HEIGHT WALL (750mm H low wall in L02 with certified glazing channel and glazing to 100mm AFL, 100mm H batten in L01)
- NEW SECURITY MESH WALL

NOTE:

- Standard 'TURNED Partitions:** 15mm RA6 Floor Plates, 90 x35 structural pine studs at 450mm centres, 2 rows of nogging.
- Standard 'STRAIGHT Partitions:** 75mm galvanised steel proprietary system as per spec. noggins.
- BR Walls:** Heavy Duty Reinforced steel framing. Steel armoured core to 2100 AFL. Rated R1/S - secure over with re-mesh to underside of ceiling / roof.
- Security Mesh Walls:** Heavy duty reinforced steel framing with security mesh pressed in wall. With security mesh from wall up to underside of roofing.
- Fire Rated walls:** The wall shall have a fire resistance Level-120/120 in accordance with the requirements of AS1530.4 (SBR75 FR1-120/120 128mm wall thickness).

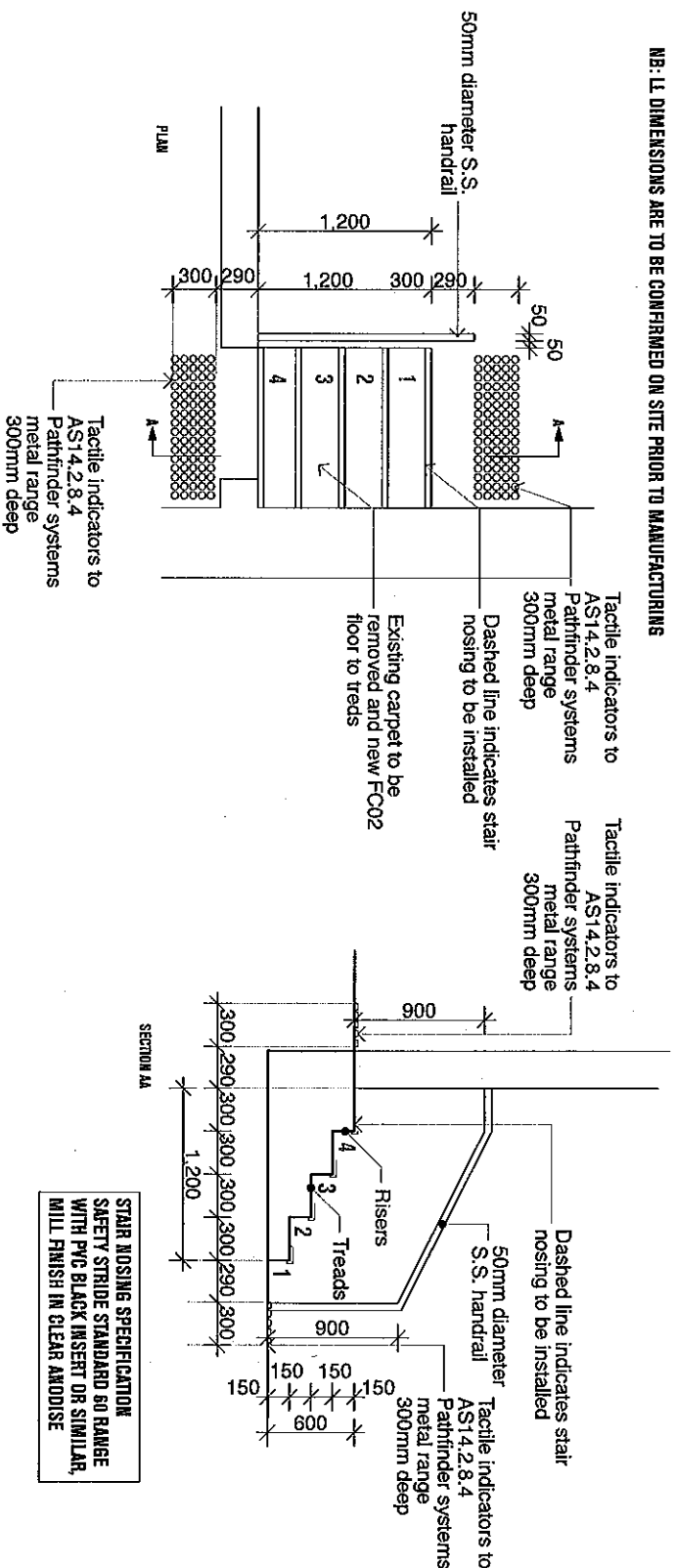


AB: TO BE READ IN CONJUNCTION WITH STRUCTURAL ENGINEER'S DRAWINGS - ALL DIMENSIONS ARE TO BE CONFIRMED ON SITE PRIOR TO MANUFACTURING



S001 STAIR DETAIL 01 - STAIRS FROM GROUND TO 1ST FLOOR
26 1:50

NB: ALL DIMENSIONS ARE TO BE CONFIRMED ON SITE PRIOR TO MANUFACTURING



STAIR NOSING SPECIFICATION
SAFETY STRIDE STANDARD 60 RANGE
WITH PVC BLACK INSERT OR SIMILAR,
MILL FINISH IN CLEAR ANODISE

CONSTRUCTION CERTIFICATE
Approved Plans & Specifications relating to:
Certificate No. 086110 22-03-10
Date
APPROVED
DIX GARDNER PTY LTD

Access for People with Disabilities to
comply with BCA Part D3 & AS 1428.1



st.george

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ST. GEORGE: Manly,
St George, 15A & 17 The Corso,
Manly, NSW 2095

ISSUE:
FOR CONSTRUCTION

REVISIONS

Amendment	Date
A Additional notes to Tenderer included	SM 25/02/09

DRAWING:
Stair Details - S001 + S002

CAD FILE NAME: WIP/STAIRS/ST011 Manly/Manly

Date: 17/08/09

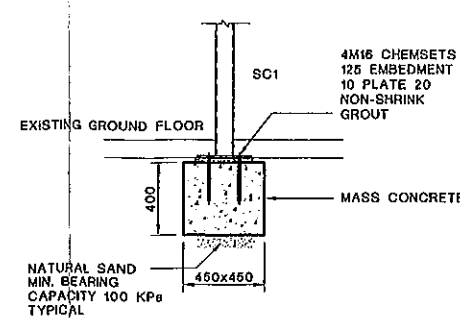
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AA Project Number:

ST011

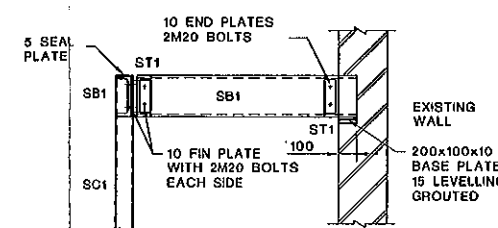
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Rev: A

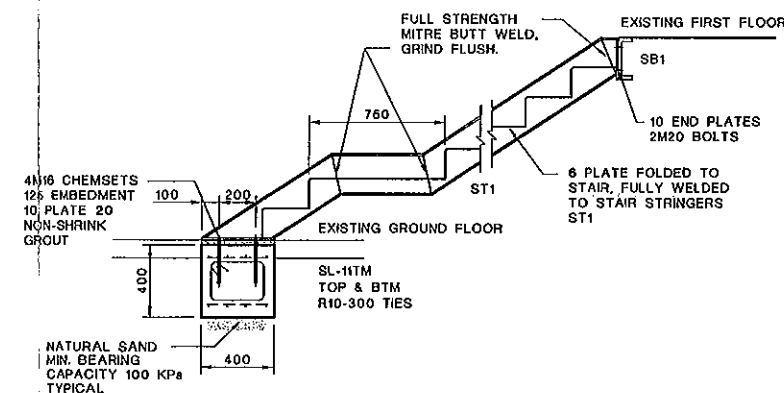


SCALE 1:20

$F_o = 25 \text{ MPa}$



SECTION 1
SCALE 1:20



SCALE 1:20

F'o : 25MPa



FOUNDATIONS

F1 FOOTINGS HAVE BEEN DESIGNED FOR AN ALLOWABLE BEARING PRESSURE OF 100 KPA U.M.D.
FOUNDATION MATERIAL SHALL BE APPROVED FOR THIS PRESSURE BEFORE PLACING CONCRETE IN
FOOTINGS.

F2 REFER TO GEOTECHNICAL REPORT NO. _____ BY _____

LOADING

L1 SUPERIMPOSED FLOOR LOADS ARE GENERALLY IN ACCORDANCE WITH AS/NZS1170.1 OR AS NOTED IN TABLE 1A.

L2 WIND LOADS ARE IN ACCORDANCE WITH AS/NZS1170.2 AS FOLLOWS:
REGION = A BASIC WIND VELOCITY $V_E = 41$ m/s TERRAIN CATEGORY = 3

L3 EARTHQUAKE LOADS ARE IN ACCORDANCE WITH AS/NZS1170.4 PART 6 AS FOLLOWS.

S 1 E 6

Element	Design live load kPa
STAIR	4.0

CONCRETE NOTES
(1) CONCRETE QUALITY SHALL BE AS FOLLOWS:

Element	Ex HP#	Slope RA	Max. Agt. Size	Reinforcement count			
				internal		external	
				8in.	10p	8in.	10p
FOOTINGS	25	80	20	80	80	80	80

U.M.O. COMMENT SHALL BE KEPT UP.
NUMBER TO PROVIDE FOR A SUPPLY RESULTS OF PROJECT CONTROL TESTING IN ACCORDANCE WITH
ASISTE U.M.O.

03 CONCRETE SIZES SHOWN (W/H) INCLUDE DIMENSIONS OF APPLIED FINISHES.
04 DETAILS OF BEAMS ARE GIVEN PAPER AND INCLUDE SLAB THICKNESS.
05 FOR CHAIRS, CRIP CHAIRS, BEEGERS ETC. REFER ARCHITECTS DETAILS.
06 NO HOLES, CHASES OR EMBEDMENT OF PIPES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ENGINEER.

(7) CONCRETE COVER SHALL BE MAINTAINED BY THE USE OF PLASTIC BARR CHAIRS AT 25MM MAXIMUM CENTRES UNLESS PLASTIC TIPPED FERROUS CHAIRS ARE NOT PERMITTED.

(8) CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF THE ENGINEER IN WRITING.

(9) REINFORCEMENT SYMBOLS:
SL DENOTES GRADE S82 DEFORMED WIRE REINFORCING SQUARE FABRIC OF DUCTILITY CLASS 1

10 AS476L

M DENOTES GRADE S18 DEFORMED WIRE REINFORCING RECTANGULAR FABRIC OF DUCTILITY CLASS A TO AS476L

R DENOTES GRADE S18 ROUND BARS OF DUCTILITY CLASS N TO AS476L

S DENOTES GRADE S18 DEFORMED BARS OF DUCTILITY CLASS M TO AS476L

N DENOTES GRADE S18 DEFORMED BARS OF DUCTILITY CLASS M TO AS476L

C4 REINFORCEMENT IS REPRESENTED DIAGNOSTICALLY AND NOT NECESSARILY IN TRUE POSITION. SPACES IN REINFORCEMENT SHALL BE MADE OUT IN POSITIONS SHOWN OR OTHERWISE APPROVED IN WRITING BY THE ENGINEER.

C11 MINIMUM EXPOSED LAP SHALL BE TWO TRANSVERSE SPACES PLUS 300mm, MINIMUM SILEN LAP LENGTH FOR TREMBLE MESH.

C12 ALL CONCRETE SHALL BE PLACED AND CURED IN ACCORDANCE WITH SECTION 19 AS 3611, CURING

MUST BE APPLIED TO SLABS IMMEDIATELY AFTER FINISHING AND ONTO WALLS AND COLUMNS IMMEDIATELY AFTER REMOVAL OF FORMWORK. CURING COMPOUNDS MUST BE COMPATIBLE WITH FUTURE FINISHES. PUA BASED CURING COMPOUNDS ARE NOT PERMITTED.

C13 BUILDER SHALL BE RESPONSIBLE FOR DESIGN OF FORMWORK, SHORING AND SCAFFOLDING. FORMWORK AND SHORING SHALL COMPLY WITH AS360. SCAFFOLDING SHALL COMPLY WITH AS/2255378.

C14 NO FORMWORK SHALL BE STRIPPED UNLESS APPROVED BY THE ENGINEER.

CM STAIRS AND BEAMS SHALL BEAR ONLY ON THE COLUMNS AND WALLS SHOWN ON THE DRAWINGS.
ALL OTHER BUILDING ELEMENTS SHALL BE BEPT 1/2" x 10" CLEAR FROM SOFFITS OF STRUCTURE.
CM WHERE TRANSVERSE REIN. BARS ARE NOT SHOWN PROVIDE #12-111 SPLICED WHERE NECESSARY
AND LAP WITH MAIN BARS 45°. (11/11/84)

MASONRY
M1 ALL MASONRY CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH AS-3731.
M2 U.K.O. BRICKS USED IN LOAD BEARING CONSTRUCTION SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 70 MPa. U.K.O. THE BRICK CHARACTERISTIC EXPANSION "α" SHALL NOT EXCEED 18 ppm/m FOR WHICH COMPLIANCE CERTIFICATION SHALL BE OBTAINED FROM THE BRICK SUPPLIER.

M3 EXPOSED JOISTS SHALL BE BRIDGE PLATE IN ACCORDANCE WITH AISC 360-99
CLEAN OUT OPENINGS ARE REQUIRED AT THE BASE OF ALL REINFORCED CONCRETE WALLS AND ABOVE
HORIZONTAL REINFORCEMENT.
M5 ALL EXPOSED SHALL BE PAINTED. PORTLAND AT THE END OF EACH DAY. GROUT IN CORES SHALL BE
CONSOLIDATED BY TAPPING OR OTHER APPROPRIATE MEANS IN MAXIMUM HIGH SPOTS.
M6 A 312mm WIDE STRIP OF COURSE GRADED GRANULAR MATERIAL IS TO BE PLACED BEHIND ALL
RETAINING WALLS, UP TO 300mm TO TOP OF RETAINING WALL AND 50mm TO FINISH.

MY MORTAR SHALL BE READY PREPARED AND COMPOSED OF CEMENT, LIME, SAND IN THE RATIO 1:1:6 UNLESS MORTAR BOND STRENGTH TESTS SHALL NOT EXCEED MEAN MORTAR BOND STRENGTH SHALL BE A MINIMUM OF $f_m = 0.70 f_{cm}$. MORTAR WITHIN TESTS ON A TEST PANEL OR IN SITU TO A5.3.7.1 SHALL BE CARRIED OUT TO COMPLY BOND STRENGTH.

M6 NO AIR ENTRAINING AGENTS SHALL BE USED IN THE MORTAR.

M7 WHERE SLABS OR BEAMS PASS ON MASONRY, A LEVEL SMOOTH BED OF MORTAR SHALL BE PLACED ON

M11 MASONRY WALLS SHALL BE TIED TO RETURN WALLS OR ADJACENT STRUCTURAL ELEMENTS USING APPROVED WALL TIES. FREE VERTICAL MASONRY EDGES TO BE RESTRAINED USING 75 x 75 x 4 PHS BRACKET. UNLESS OTHER METHOD IS INDICATED.

MM STEEL PRODUCTS, VERTICAL REINFORCEMENT, WALL TIES AND ACCESSORIES SHALL COMPLY WITH

AS/15151310 AND S1170. UNO. ABOVE GRADE EXTERIOR WALLS TIES WITHIN 6" OF THE COASTLINE SHALL HAVE A CORROSION RESISTANCE RATING OF R2 AND WEL B SHALL BE STAINLESS STEEL GRADE 316. FOR ALL OTHER AREAS UNO. ABOVE GRADE EXTERIOR WALLS TIES SHALL HAVE A CORROSION RESISTANCE RATING OF R2 AND WEL B: HEAVY GALVANISED TYPE A WIRE CONFORMING TO AS/26151316.

IMMEDIATELY ABOVE FAST WORK TO BE SET ABOVE FLOOR AND FINISH LEVELS. LAP REINFORCEMENT 494mm AROUND CORNERS. LAY 1ST COURSE ON 1 LAYER OF ALLOC SEPARATION.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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2	CO-ORDINATION ISSUE	BZL	19.02.09	
1	PRELIMINARY ISSUE	BZL	18.02.09	

Cardno

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ACN: 002 419 525
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Client
ST. GEORGE BANK

ALTERATIONS AND ADDITIONS

AT 17 THE CORSO
MANLY

Title	
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GROUND AND FIRST FLOOR PLANS
AND DETAILS

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Series	Job No.	Draw No.		Issued

Series 1:100, 20	Sub No. 608421	Page No. S1
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