

GENERAL

These drawings are to be read in conjunction with the Architectural Drawings and Specifications. Any discrepancy between the drawings and specifications shall be referred to the Architect.

Materials and workmanship are to be in accordance with the relevant current S.A.A. codes

CONCRETE

Concrete design strength (f_c at 28 days) to be as follows:—
GRADE 20 for slabs
GRADE 20 for footings

Maximum slump of concrete shall be 75mm or 10mm when a pump is used unless otherwise specified.

Reinforcement notation and Grades: (A.S.1202)

S denotes structural grade deformed bars.
C denotes cold worked bars.

Reinforcement splices shall be lap splices as required by the current concrete code unless noted in the drawings for the reinforcement. Lap splices shall be staggered in accordance with the provisions of the current concrete code. The lap length shall be the greater of 1.3 times the development length or 300mm, but not less than the pitch of the secondary bars.

Clear concrete cover to reinforcement, unless otherwise specified, shall be as follows:—
Below Ground: beams, pedestals and stirrings 65,
walls 50, and footings 75,
above ground: beams, pedestals and stirrings 50,
external slabs 30.

Concrete cover to the reinforcement by the use of approved chairs and/or concrete blocks spaced at approx. 1000 cross centres, unless, pipes, etc., are not to be placed in cover concrete.

Concrete to be kept free of supporting bricework by two layers of a suitable membrane (Methocel, etc), vertical faces of concrete to be kept free by 12mm thickness of blumorous concrete.

Direction of mesh to floor indicates the direction of mesh wires which should be placed nearest the relevant slab surface.

All concrete shall be properly compacted by means of approved vibrators.

Comber to suspended slabs and beams to be 5mm for every 250mm of span unless otherwise noted.

Construction joints, where not shown, shall be located to the approval of the Engineer.

Formwork shall not be stripped until 28 days has elapsed after the concrete has attained its design strength.

Engineer to be notified 48 hours prior to pouring concrete.

Reinforcement shall be built on concrete slabs or beams until formwork is removed.

INTERNAL TIMBER FRAME

WALLS
30x42 F5 Redwood pine top and bottom plates
30x42 F5 Redwood pine intermediate studs
30x42 F5 Redwood pine nogging
42x53 F5 Redwood pine nogging or panel blocking

PRE CAST PANELS

All precast units shall be manufactured in accordance with the relevant standards and shall be supplied in accordance with the designers approval of them before commencing construction.
Concrete characteristic compressive strength f_c at time of lifting shall be 25 MPa (min). The minimum concrete grade shall be 0.85 f_c and shall have a maximum water cement ratio of 0.45.
Dimensional tolerances shall be in accordance with Table 2.4.6.2 of AS 1480.

Prior to pouring of concrete a suitable bond breaker complying with AS 1480 shall be applied to the precast units in accordance with manufacturers recommendations.
All lifting equipment and means shall be in accordance with the relevant standards and shall be approved by the Designer. The manufacturer shall supply test data to the designer giving the capacity of the means and the capacity of the lifting gear.
UL capacity = 160 kN.

Prior to lifting of any wall panels the manufacturer or contractor shall provide to the designer all relevant crane wheel loadings as and if directed by the designer.
All joints shall be sealed with an approved one stage face seal.
The contractor shall be responsible for maintaining the panels part in place until construction activities ensure that no part is over stressed under construction activities.

All metal fixings shall be hot dipped galvanised, and stirrings shall be in accordance with the manufacturers specifications.
EG 1 part Melbicon grouting aggregate
2 parts dry sand.
Water cement ratio 0.35

Grout for towered connection shall be a liquid grout or similar. All panels shall be fully applied for 12 hours minimum before any additional load is applied to the panels.
The Builder shall verify the number, size and location of all bolts and shall provide a construction program taking into account the erection and erection.

STEEL WORK
All guest plates to be 10mm thick, unless otherwise noted.
Welding, unless otherwise noted, to be 6 mm fillet laid down.
Bolts shall be Black Bolts complying the Code A.S.B. 100 except where the following designations are made:— H.S.B from the shear plate and H.S.F.C denotes High Strength Friction Grip Bolts, both complying the Code A.S. 1511.
Substitutions must be approved by the Engineer and be included in any tender.
Scaffolding to structural steel beams, trusses, portals, etc., to be in accordance with the relevant standards and specifications.
All structural steel is mild steel Grade 250 to A.S. 1204.

MECHANICAL VENTILATION AND AIR-CONDITIONING SHALL BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF ANY WORKS

DIMENSIONS AND LAYOUT OF PROPOSED BUILDING SHALL BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF ANY WORKS

ALL TOILETS DESIGNATED DISABLED TO BE FITTED OUT IN ACCORDANCE WITH THE BCA AND RELEVANT CODES OF PRACTICE.

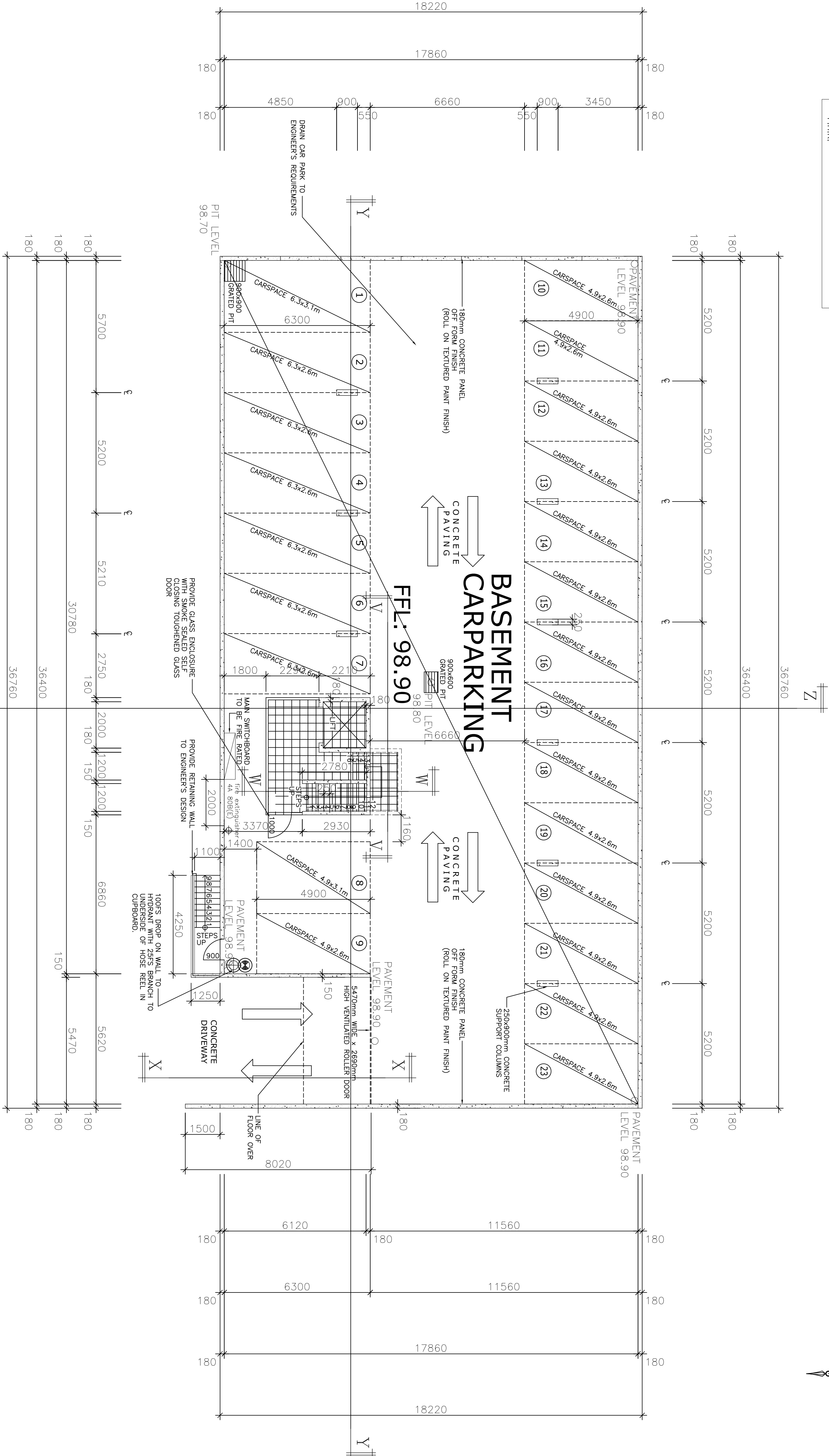
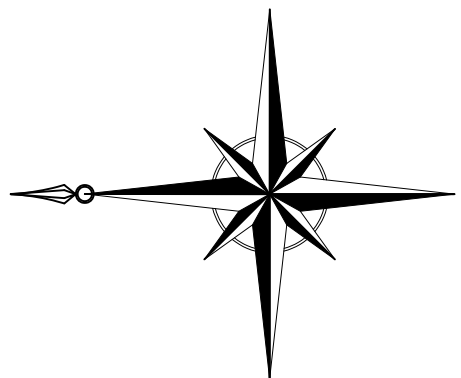
● DENOTES SMOKE DETECTORS TO APPROVED AUSTRALIAN STANDARDS

All Glazing used to be in accordance with AS Code of Practice. Certificate of Compliance to be submitted prior to commencement of Glass Installation.

● DENOTES EXHAUST FAN DISHARGING @ 10L/S

● FIRE HOSE REEL 36m HOSE

F.H.R.



BASEMENT FLOOR PLAN

Scale : 1:100

NOTES

- 180mm CONCRETE PANEL
- 10mm and 13mm PLASTERBOARD FLUSH SET JOINTS AS REQUIRED PAINT TO SELECTED COLOUR
- IN WET AREAS 10mm WR PLASTERBOARD FLUSH SET JOINTS PAINT TO SELECTED COLOUR
- PROVIDE SELECTED ALUMINIUM SKIRTING IN OFFICES ONLY WITH POWDERCOAT PAINT FINISH
- STEEL TROWEL FLOOR FINISH TO ALL FLOOR SLABS
- SELECTED FLOOR TILES IN WET AREAS INCLUDING SKIRTING TILES
- 1 ROW OF TILES TO SPLASH BACK OF BASINS & SINKS
- STANDARD PLUMBING FIXTURES & DISABLED HANDRAILS TO AUSTRALIAN STANDARD CODES
- ELECTRICAL LIGHTING - TO CONFORM TO RELEVANT PROVISIONS OF A.S.1680.0
- MECHANICAL VENTILATION SERVICES - TO CONFORM TO RELEVANT PROVISIONS OF A.S.1668 & A.S./N.Z.S.3666.1
- GAS SERVICES & HYDRAULICS - REFER SERVICES CONSULTANT DRAWINGS
- [EXT] ILLUMINATED EXIT SIGNS
- FIRE EXTINGUISHERS IN ACCORDANCE WITH A.S. 2293.1
- MECHANICAL VENTILATION SERVICES - TO CONFORM TO RELEVANT PROVISIONS OF A.S.1668 & A.S./N.Z.S.3666.1
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ALL WORKS TO BE IN ACCORDANCE WITH THE B.C.A. AND APPROPRIATE AUSTRALIAN STANDARDS INCLUDING ANY OTHER AUTHORITIES STANDARDS HAVING JURISDICTION OVER THIS PROJECT

No.	1	2	3	4	5	6	7	8	9	10	11	12
AMENDMENT												

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BUILDER:
DONCASTER CONCRETE
CONSTRUCTION P/L
PH:9873 3166 FAX:9874 5805

No. 703 STATION STREET,
BOX HILL
BASEMENT FLOOR PLAN

CLIENT	MONTMALL PTY. LTD.
PROJECT	No. 703, STATION STREET, BOX HILL
DRAWN	T.C.
DRAWING CHECK	M.F.F.
DESIGNED	M.F.F.
ENGINEERING CHECK	APPROVED

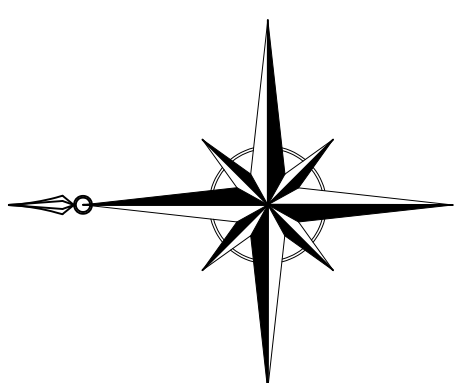
SCALE	1:100	DRAWING No.	1083	SHEET	3 of 16
E.J.Grech & Associates Pty Ltd 23 Railway Road, Blackburn 3130 Ph - 9878 3500 Fax - 9894 4425 AEN - 944 944 791					

All Glazing Used to be in accordance with AS Code of Practice. Certificate of Compliance to be submitted prior to commencement of Glass Installation.

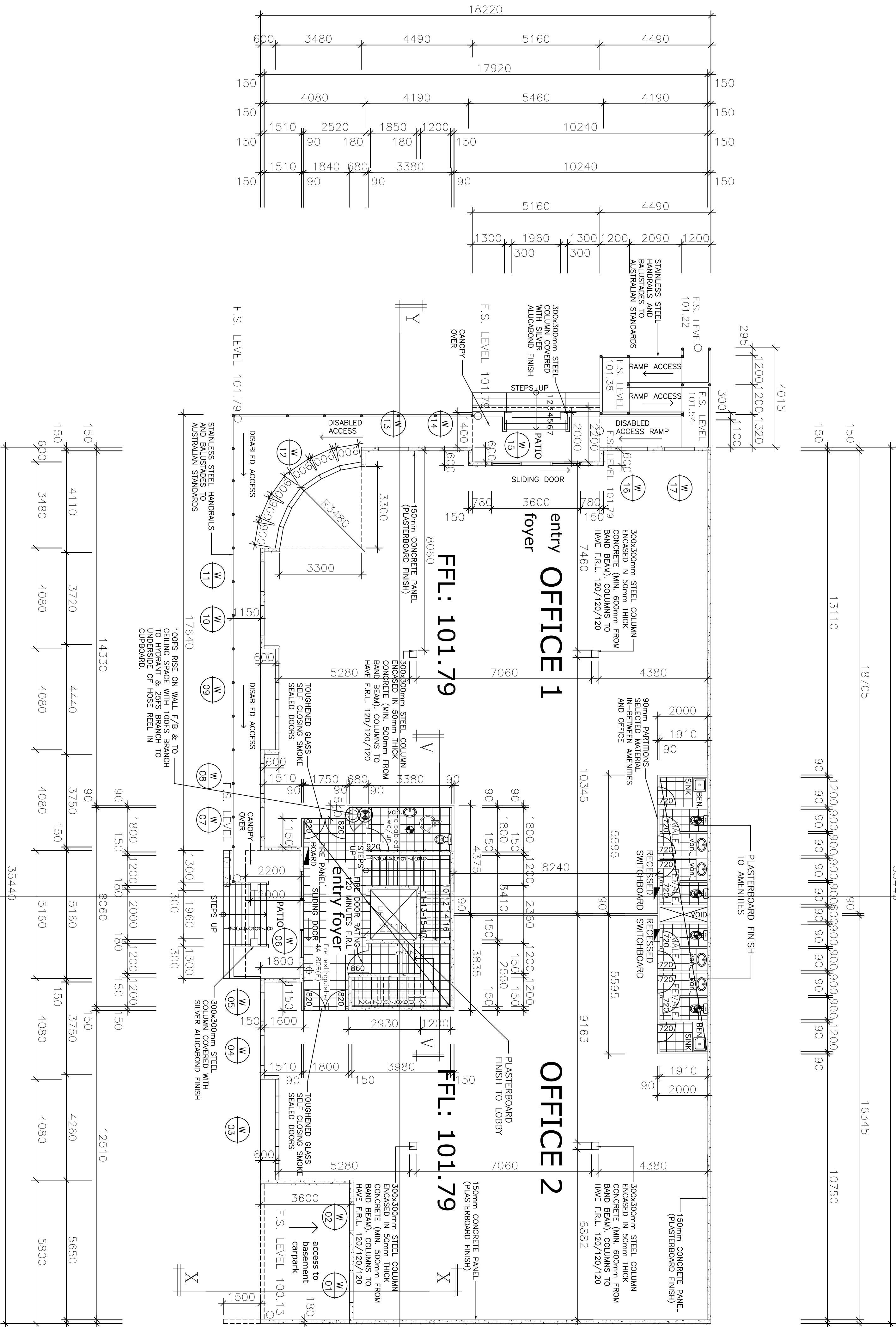
ALL TOILETS DESIGNATED
DISABLED TO BE FITTED
OUT IN ACCORDANCE WITH
THE BCA AND RELEVANT
CODES OF PRACTICE.

MECHANICAL VENTILATION
AND AIR-CONDITIONING
INSTALLED TO MANUFACTURERS
SPECIFICATIONS AND DETAILS

DIMENSIONS AND LAYOUT OF PROPOSED BUILDING SHALL BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF ANY WORKS



 DENOTES EXHAUST FAN DISCHARGING @ 10L/S
 SD DENOTES SMOKE DETECTORS TO APPROVED AUSTRALIAN STANDARDS
 FIRE HOSE REEL 36m HOSE



GROUND FLOOR PLAN

scale : 1:100

Scale : 1:100

NOTES	
1- 150mm CONCRETE PANEL	10mm AND 13mm PLASTERBOARD FLUSH SET JOINTS AS REQUIRED PAINT TO SELECTED COLOUR
INTERNAL OFFICE WALLS	3- IN WET AREAS 10mm WR PLASTERBOARD FLUSH SET JOINTS PAINT TO SELECTED COLOUR
2- 90mm METAL STUD WALL FRAME IN ACCORDANCE WITH METAL STUD FRAMING CODE	4- PROVIDE SELECTED ALUMINIUM SKIRTING IN SPACES OF 10mm WITH POWDERCOAT PAINT FINISH
	5- STEEL TROWEL FLOOR FINISH TO ALL FLOOR SLABS
	6- SELECTED FLOOR TILES IN WET AREAS INCLUDING SKIRTING TILES
	7- 1 ROW OF TILES TO SPLASH BACK OF BASINS & SINKS
	8- STANDARD PLUMBING FIXTURES & DISABLED HANDRAILS TO AUSTRALIAN STANDARD CODES
	9- ELECTRICAL LIGHTING - TO CONFORM TO RELEVANT PROVISIONS OF A.S.1680.0
	10- MECHANICAL VENTILATION SERVICES - TO CONFORM TO RELEVANT PROVISIONS OF A.S.1668 & A.S./N.Z.S.3666.1
	11- GAS SERVICES & HYDRAULICS - REFER SERVICES CONSULTANT DRAWINGS
	12- [EXT] ILLUMINATED EXIT SIGNS IN ACCORDANCE WITH A.S.2293.1
	13- FIRE EXTINGUISHERS IN ACCORDANCE WITH A.S. 2444

WINDOW SCHEDULE		
WIN No.	SIZE (HxW)	DESCRIPTION
W01	2550x1200	FIXED
W02	2550x1200	FIXED
W03	2550x4080	FIXED
W04	2550x1200	FIXED
W05	2550x1200	FIXED
W06	2700x3600	SLIDING DOOR
W07	2550x1200	FIXED
W08	2550x1200	FIXED
W09	2550x4080	FIXED
W10	2550x1200	FIXED
W11	2550x1200	FIXED
W12	2550x5400	FIXED (Radius 3450)
W13	2550x1200	FIXED
W14	2550x1200	FIXED
W15	2700x3600	SLIDING DOOR
W16	2550x1200	FIXED
W17	2550x1200	FIXED

NOTES

GENERAL

These drawings are to be read in conjunction with the Architectural Drawing and Specifications. Any discrepancy between the drawings and the Specifications shall be verified at the Engineer's drawing must not be scaled.

Materials and workmanship are to be in accordance with the relevant current SAA codes

CONCRETE

Concrete design strength (f_c at 28 days) to be as follows:-

GRADE 25 for slabs
GRADE 20 for footings

Maximum slump of concrete shall be 75mm or 10mm when a pump is used unless otherwise specified.

Reinforcement notation and Grades: (AS 1302)

S denotes structural grade deformed bars.

S denotes cold worked bars.

Reinforcement concrete shall be lap splices as required by the current concrete codes unless noted.

The development length of reinforcement bars shall be as the develop measured between the outermost wires and not less than the pitch of the secondary wires.

Reinforcement cover to reinforcement, unless otherwise stated, shall be as follows:-

Outer concrete cover to reinforcement, and strip footings 50.
Slab concrete cover to reinforcement, and strip footings 50.

[illegible]

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23 Railway Road, Blackburn B130 Ph - 9878 3500 Fax- 9894 4425	
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