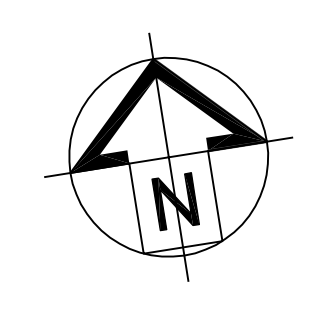


[illegible]

The image shows a business card for Cardno ITC. On the left, there is a logo consisting of two stylized, interlocking 'C' shapes, one light grey and one white. To the right of the logo, the company name 'Cardno' is written in a large, bold, black sans-serif font, with 'ITC' in a smaller, bold, black sans-serif font below it. Further down, the tagline 'Shaping the Future' is written in a black sans-serif font. At the bottom left, a list of cities is provided: SYDNEY, BRISBANE, CANBERRA, MELBOURNE, and PERTH. At the bottom right, the company's full name 'Cardno ITC Pty. Limited' is listed, followed by its address 'LEVEL 7, 33 YORK STREET SYDNEY NSW 2000', and then its contact details: 'Phone: + 61 2 9495 8100', 'Fax: + 61 2 9495 8111', 'Email: sydney.its@cardno.com.au', and 'www.cardnoitc.com.au'. The card is white with a thin black border.

CLIENT BILLBERGIA Level 2, 25 Angus St Meadowbank NSW	 Billbergia <i>creating communities</i>
SJB Architects Level 2 490 Crown Street Surry Hills NSW 2010 Australia T 61 2 3380 9911 F 61 2 3380 9922 www.sjb.com.au	

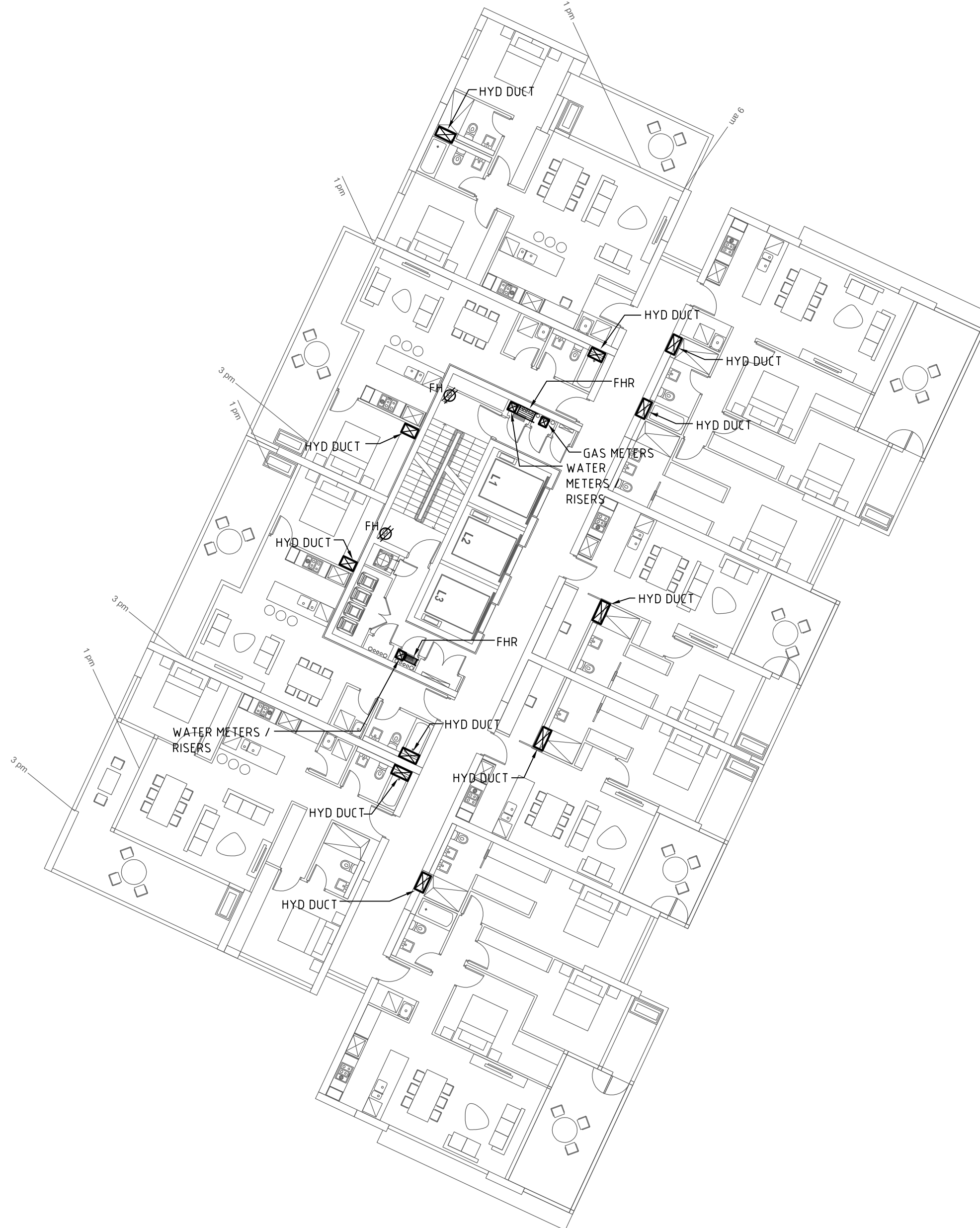
PROJECT	7
40 Walker St	
Rhodes	
Stages 2A & 3A	

DRAWING TITLE			
HYDRAULIC SERVICES			
BASEMENT 2			
SKETCH			
DRAWN	DESIGNED	CHECKED	SCALE (AT FULL SIZE)
B.M.	M.T.	M.T.	1:500
DATE	DRAWING No.		REVISION
Oct '10	N10957-H01		01

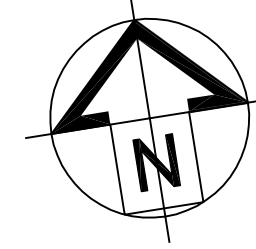
BASEMENT 02

HYDRAULIC SERVICES - SKETCH - BASEMENT LEVEL 2
SCALE: 1/500

DRAWN	DESIGNED	CHECKED	SCALE (AT FULL SIZE)	
B.M.	B.M.	M.T.	N.T.S.	
DATE		DRAWING No.		REVISION
Oct '10		N10957-H00		01



HYDRAULIC SERVICE - SKETCH - LEVELS 19-24 - BUILDING D
SCALE: 1:150

[illegible]

CONSULTANT



Shaping the Future

SYDNEY
BRISBANE
CANBERRA
MELBOURNE
PERTH

Cardno ITC Pty. Limited
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Fax: + 61 2 9495 8111
Email: sydney.itc@cardno.com.au
www.cardnoltc.com.au

CLIENT	
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Level 2, 25 Angus St
Meadowbank
NSW



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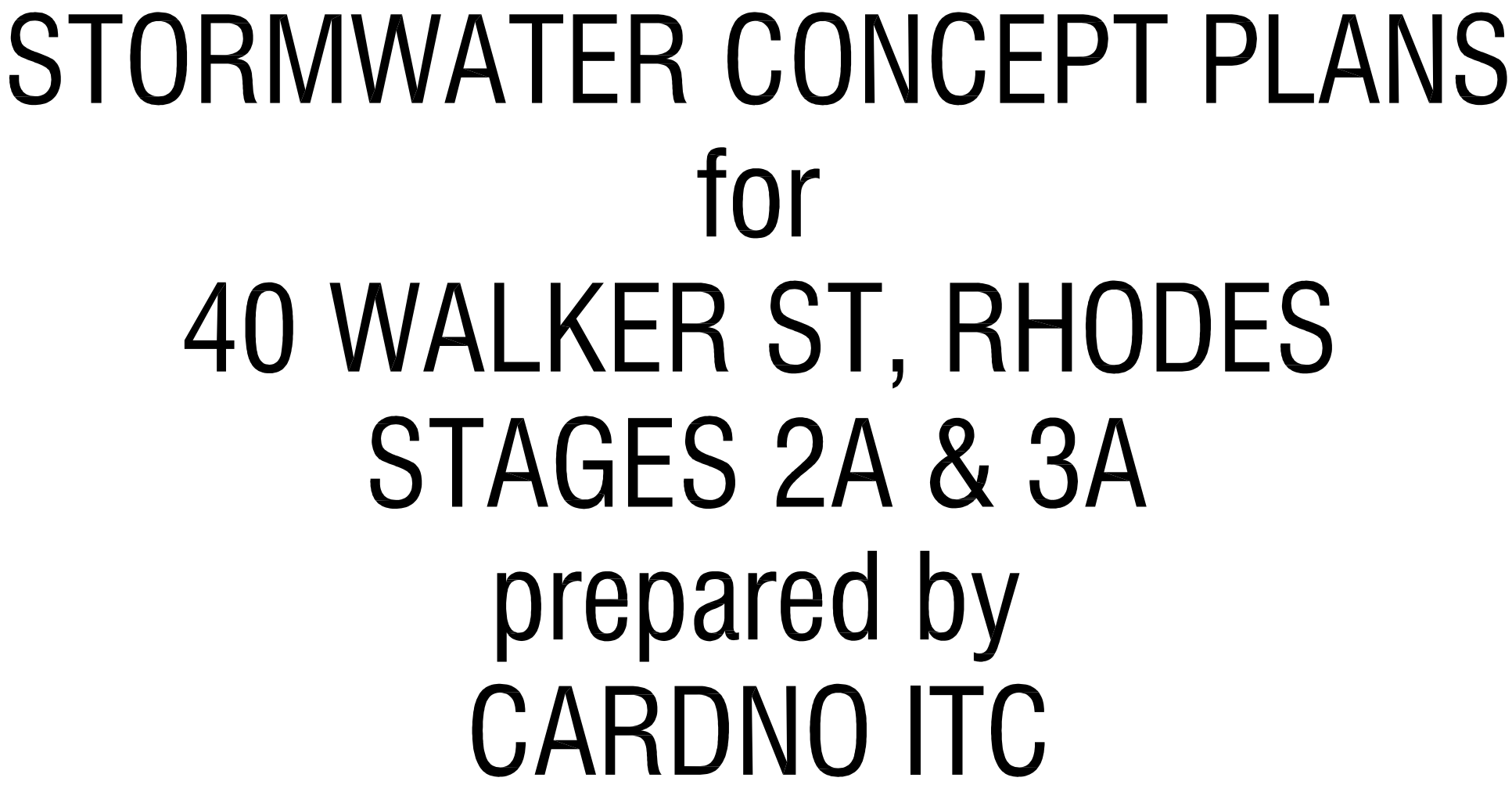
PROJECT	
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40 Walker St
Rhodes
Stages 2A & 3A

	DRAWING TITLE
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HYDRAULIC SERVICES
LEVELS 19 - 24
BUILDING D
SKETCH

DRAWN	DESIGNED	CHECKED	SCALE (AT FULL SIZE)	
B.M.	M.T.	M.T.	1:150	
DATE		DRAWING No.		REVISION
Oct '10		N10957-H23		01



RW		RAINWATER OUTLET
CW 25		SERVICE IDENTIFICATION SYMBOL
SWP		STORMWATER PIT
SSW		STORMWATER SUMP

	STORMWATER DRAINAGE PIPE
	ROOF DRAINAGE PIPE
	SURFACE DRAINAGE PIPE
	SUBSOIL DRAINAGE PIPE
	SUBSOIL RISING MAIN PIPE
	EXISTING SERVICE
	EXISTING SERVICE TO BE REMOVED
	EXISTING STORMWATER PIPE
	PIPE CONTINUATION
	PIPE RISER
	DOWN PIPE
	EXISTING DOWN PIPE
	PIPE DROPPER
	CAPPED OFF SERVICE
	PIPE REDUCER
	STRUCTURAL BEAM

ACFL	ABOVE FINISHED FLOOR LEVEL
CL	CLEARANCE
CO	CLEAR OUT
CS	CEILING SPACE
DIU	DIAMETER
DP	DOWN PIPE
DTA	DRAINAGE TURNUP
Ex	EXISTING
FL	FALSE CEILING
FFL	FINISHED FLOOR LEVEL
GL	GROUND LEVEL
HL	HIGH LEVEL
ID	INVERT LEVEL
IO	INSPECTION OPENING
LL	LOW LEVEL
O/F	OVERFLOW
PVC	POLYVINYLCHLORIDE
R/L	REDUCED LEVEL
SL	SURFACE LEVEL
SOB	SOFFIT OF BEAM
SOS	SOFFIT OF SLAB
ST	STOP TAP
STW	STORMWATER
UP	UNDER SIDE
V/P	VENT PIPE

N10957-STW-H00	COVERSHEET
N10957-STW-H01	BASEMENT 2
N10957-STW-H02	BASEMENT 1
N10957-STW-H03	PODIUM LEVEL



Cardno
ITC

Shaping the Future

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CANBERRA
MELBOURNE
PERTH

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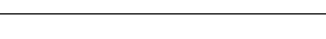
CLIENT

BILLBERGIA
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Meadowbank
NSW


Billbergia
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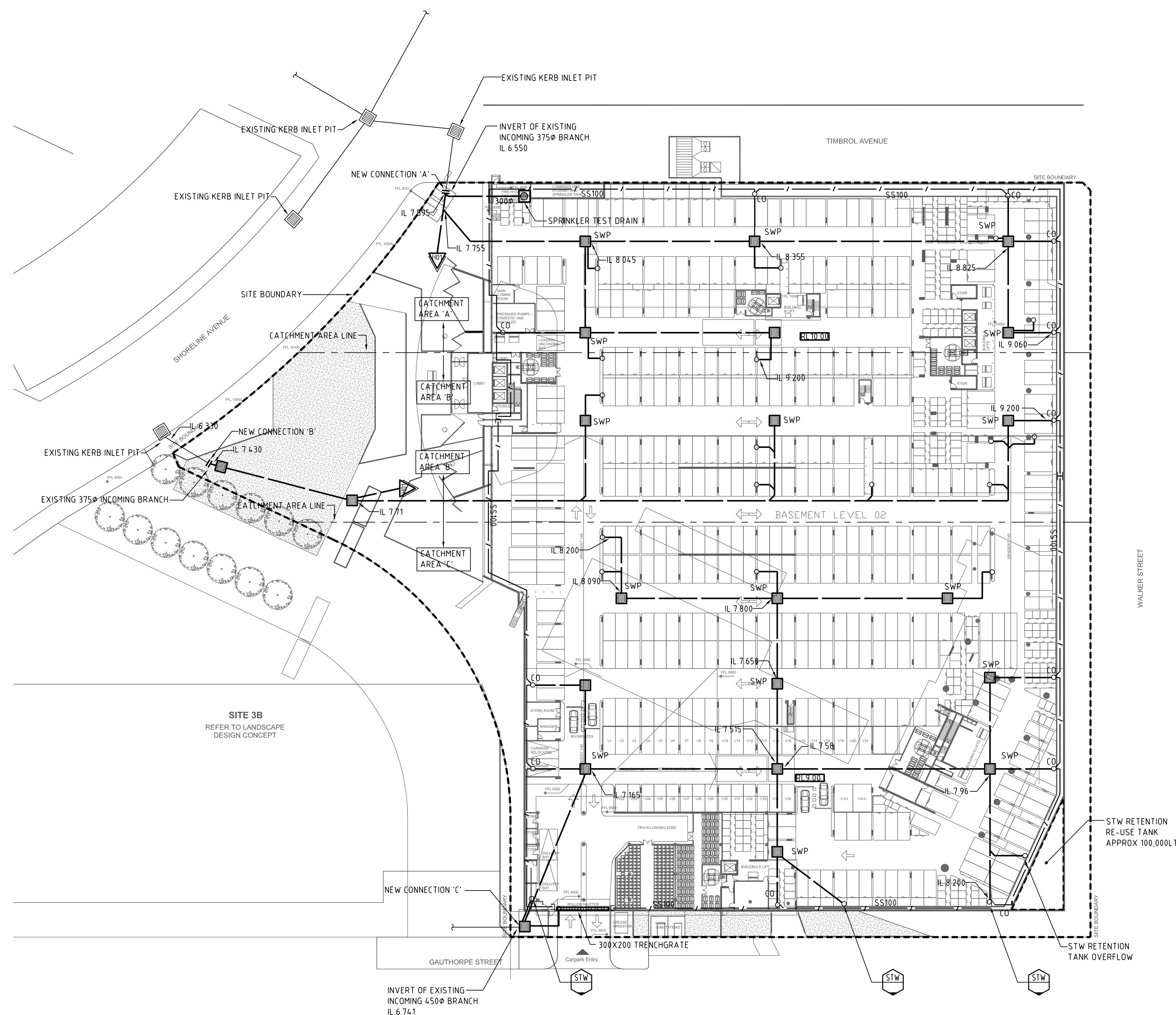
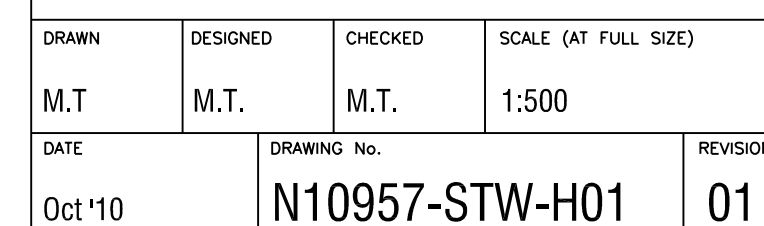
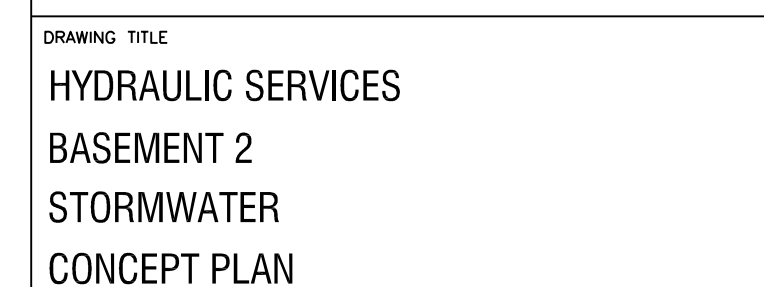
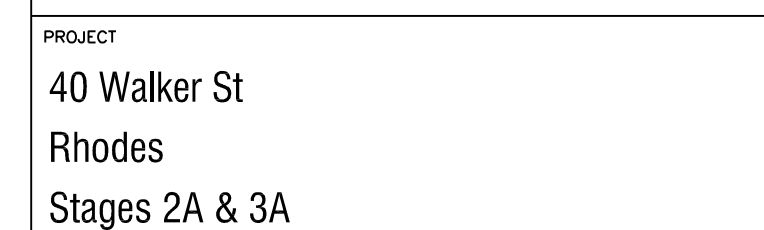
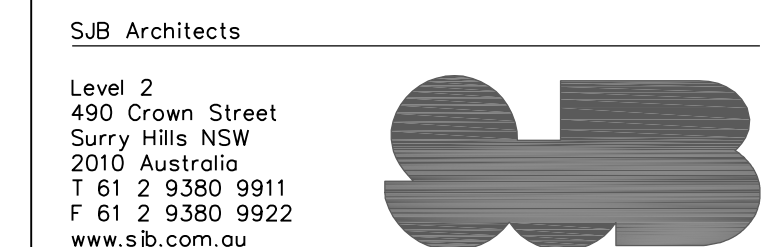
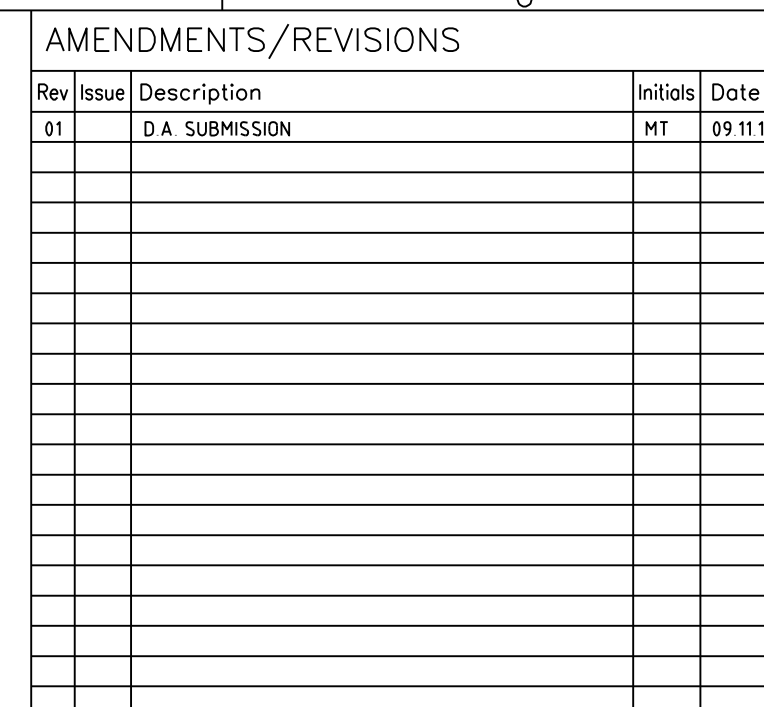
PROJECT

40 Walker St
Rhodes
Stages 2A & 3A

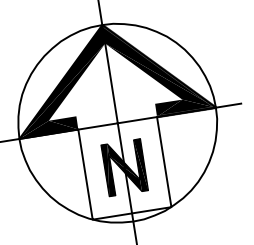
DRAWING TITLE

HYDRAULIC SERVICES
COVERSHEET
STORMWATER
CONCEPT PLAN

DRAWN	DESIGNED	CHECKED	SCALE (AT FULL SIZE)
M.T	M.T.	M.T.	1:500
DATE		DRAWING No.	REVISION
Oct '10		N10957-STW-H00	01



HYDRAULIC SERVICES - BASEMENT LEVEL 2
SCALE: 1500

[illegible]

CONSULTANT



Shaping the Future

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CANBERRA
MELBOURNE
PERTH

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CLIENT

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Meadowbank
NSW



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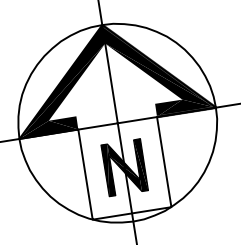
PROJECT	
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40 Walker St
Rhodes
Stages 2A & 3A

DRAWING TITLE

HYDRAULIC SERVICES
BASEMENT 1
STORMWATER
CONCEPT PLAN

DRAWN	DESIGNED	CHECKED	SCALE (AT FULL SIZE)	
M.T.	M.T.	M.T.	1:500	
DATE		DRAWING No.		REVISION
Oct '10		N10957-STW-H02		01



DRAWN	DESIGNED	CHECKED	SCALE (AT FULL SIZE)
M.T.	M.T.	M.T.	1:500
DATE	DRAWING No.		REVISION
Oct '10	N10957-H03		01

HYDRAULIC SERVICES - PODIUM LEVEL
SCALE: 1:500

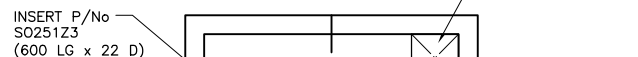
Lift Services

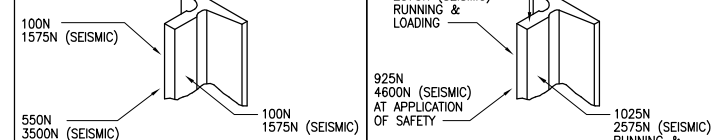
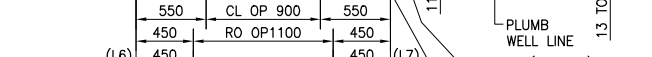


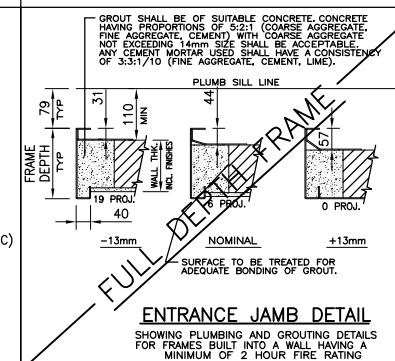
AT OTHER LEVELS



REACTION (kN) Includes Allowance for Impact			
A	36	B	31
C	15	D	15
U	80	V	67







14

LIFT CODE REFERENCE S.A.A. A.S.1735 AND STATUTORY REGULATIONS

1. HOISTWAY:
- (A) A CLEAN DRY LEGAL HOISTWAY BUILT TO COMPLY WITH LIFT CODE AND APPLICABLE REGULATIONS, TO THE DIMENSIONS AND TOLERANCES SHOWN.
 - (B) A WATERPROOF PIT DESIGNED TO BEAR THE REACTIONS SHOWN.(PIT MUST EXTEND TO SOILD EARTH.)
 - (C) (i) BUILDING IN OF INSERTS FLUSH WITH FACE OF FINISHED HOISTWAY WALL FOR FIXING RAIL BRACKETS AND HOISTWAY DROW FRAME ASSEMBLIES. (INSERTS SUPPLIED BY OTIS).
 - (ii) ADEQUATE AND CORRECTLY INSTALLED ADDITIONAL SUPPORTS FOR GUIDE RAIL BRACKETS IF REQUIRED, IN POSITIONS SHOWN ON CONTRACT LAYOUT.
 - (D) PROVIDE BLOCKOUTS IN THE HOISTWAY FRONT WALL FOR HALL FIXTURE BOXES AND DO ALL CUTTING OF WALLS, FLOORS OR PARTITIONS TOGETHER WITH BUILDING WORKS THAT MAY BE NECESSARY, AFTER INSTALLATION OF BOXES BY OTIS.
 - (E) COMPLETION OF HOISTWAY, BLOCKING IN PLACE, BRICKING IN AND/OR GROUTING OF ENTRANCE FRAMES TO OTIS SPECIFICATION FOR COMPLIANCE WITH FIRE RATING, AFTER FRAMES HAVE BEEN INSTALLED BY OTIS.
 - (F) SMOKE VENT IN TOP OF SHAFT. AREA TO COMPLY WITH LOCAL BUILDING REGULATIONS. (LOCATE TO AVOID EQUIPMENT IN SHAFT.)
 - (G) A SUMP AND COVER IN PIT TO COMPLY WITH S.A.A. LIFT CODE AND/OR REGULATIONS. (SUGGESTED LOCATION SHOWN.)
 - (H) PROVIDE ACCURATE GRID AND/OR DATUM LINES FOR ORIGINAL OTIS SETOUT OF HOISTWAY.
 - (I) TEMPORARY WEATHER PROOF HOISTWAY PROTECTION IF REQUIRED.
 - (J) LIGHT POINT IN PIT – QUANTITY, LOCATION AND TYPE AS REQUIRED BY LIFT CODE AND MOUNTAINED BY OTIS.
 - (K) WELL LIGHTING WHERE REQUIRED BY STATUTORY BODY.
 - (L) THE HOISTWAY SHALL BE SUITABLY VENTILATED; IT SHALL NOT BE USE TO PROVIDE VENTILATION OF ROOMS OTHER THAN THOSE BELONGING TO THE LIFT.
NOTE: IN THE ABSENCE OF RELEVANT REGULATIONS OR STANDARDS, IT IS RECOMMENDED TO PROVIDE VENTILATION OPENINGS AT TOP OF THE HOISTWAY, WITH A MINIMUM AREA OF 0.10 SQUARE METRE. VENTILATION TEMPERATURE IN THE HOISTWAY SHALL BE MAINTAINED BETWEEN 0°C AND +40°C.
NOTE: RELEVANT REGULATIONS AND STANDARDS (IN PARTICULAR BCA) SHOULD BE CHECKED, FOR THE NEED FOR FIRE DAMPERS ON SHAFT VENTILATION OPENINGS TO EXTERNAL WALLS.
2. POWER:
- (A) UNINTERRUPTED POWER NEEDED FOR ERECTION, LIGHTING AND OPERATION OF TOOLS AND HOISTING DEVICES. THIS POWER TO BE AVAILABLE AT THE TIME OF COMMENCEMENT OF OTIS WORK AND LOCATED NO FURTHER THAN 10 METRES FROM THE HOISTWAY(S).
 - (B) PERMANENT POWER FOR INSTALLATION AND COMMISSIONING OF THE INSTALLATION TO BE AVAILABLE AT THE TIME OF COMMENCEMENT OF OTIS WORK.
- MAXIMUM DEMAND:
- RISER No.1: 23 AMPS
- POWER SUPPLY TO BE 3 PHASE, 50 HERTZ, 4 WIRE, 400 VOLT.
- 23 AMPS NEUTRAL.
- RATING OF MAINS PROTECTIVE DEVICE TO BE GREATER THAN RATING OF LARGEST LIFT MACHINE ROOM CIRCUIT BREAKER.
3. MISCELLANEOUS:
- (A) TEMPORARY GUARDS TO ALL HOISTWAY OPENINGS DURING ERECTION, TO COMPLY WITH LOCAL CODE REGULATIONS.
 - (B) PROVIDE SECURE UNDERCOVER WEATHER PROOF SPACE IN CLOSE PROXIMITY TO THE HOISTWAY FOR TEMPORARY STORAGE OF LIFT MATERIAL, TOOLS AND EQUIPMENT DURING INSTALLATION OF THE LIFT.
 - (C) ALL PAINTING, REPAIRING, REWORKING, REPAIRS, REWORKING, RETOUCHING, AND MASONRY, WOODWORK, ETC. NOT INCLUDED IN THE LIFT CONTRACT.
 - (D) PROVIDE AND INSTALL CAR FLOOR COVERING WHICH COMPLIES WITH LOCAL FIRE REGULATIONS MAXIMUM THICKNESS 10mm.
 - (E) THE USE OF TELEPHONE AND SANITATION FACILITIES ON SITE.
 - (F) WALL POCKETS FOR OVERHEAD BEAMS.

LIMITATIONS

- (A) MAXIMUM RISE = 40000
 - (B) MAXIMUM NUMBER OF STOPS = 14
 - (C) MINIMUM HOISTWAY DIMENSIONS 2000×2500 BETWEEN WALLS.
 - (D) MINIMUM FLOOR HEIGHT = 2500
 - (E) LOCATION OF MACHINE - IN SHAFT
 - (F) ABUTMENT OF THE COUNTERWEIGHT - SOLID EARTH
- (G) MAXIMUM DISTANCE BETWEEN SUPPORTS ————
- | | |
|--|--------------------------|
| | CAR RAIL 2500 ALL STATES |
| | CWT RAIL 2500 ALL STATES |
- (H) MASONRY HOISTWAY OPENINGS REQUIRED AT EACH LEVEL SERVED.
 AT FLOORS - THE ROUGH OPENING MUST BE A MINIMUM 1100 WIDE $\times$ 2200 HIGH TO PROVIDE SPACE FOR BUILDING IN OF ENTRANCE FRAMES.

THIS ARRANGEMENT
GUARANTEED AS FOLLOWS:

CUSTOMER TO CONFIRM THE FOLLOWING:

(A) TOTAL No. OF FLOORS SERVED:

(B) FLOOR DESIGNATIONS:

(C) TRAVEL:

THIS ARRANGEMENT APPROVED AND DIMENSIONS ARE GUARANTEED AS FOLLOWS:

EACH VERTICAL WALL SHALL BE PLUMB WITHIN ± 3 mm FOR THE FULL HEIGHT OF THE LIFT SHAFT. ALL OTHER BUILDING DIMENSIONS SHOWN SHALL BE WITHIN ± 25 mm.

SIGNED.....TITLE.....

DATE.....

TYPICAL LAYOUT ONLY
NOT TO BE USED
FOR CONSTRUCTION

STANDARD APPROVED R. FLINT DATE JUNE'02 CONTRACT APPROVED BY DATE

CONTRACT No. 4L
 BUILDING
 LOCATION
 OWNER
 BUILDER
 ARCHITECT
 ENGINEER

LAYOUT
GEN2™

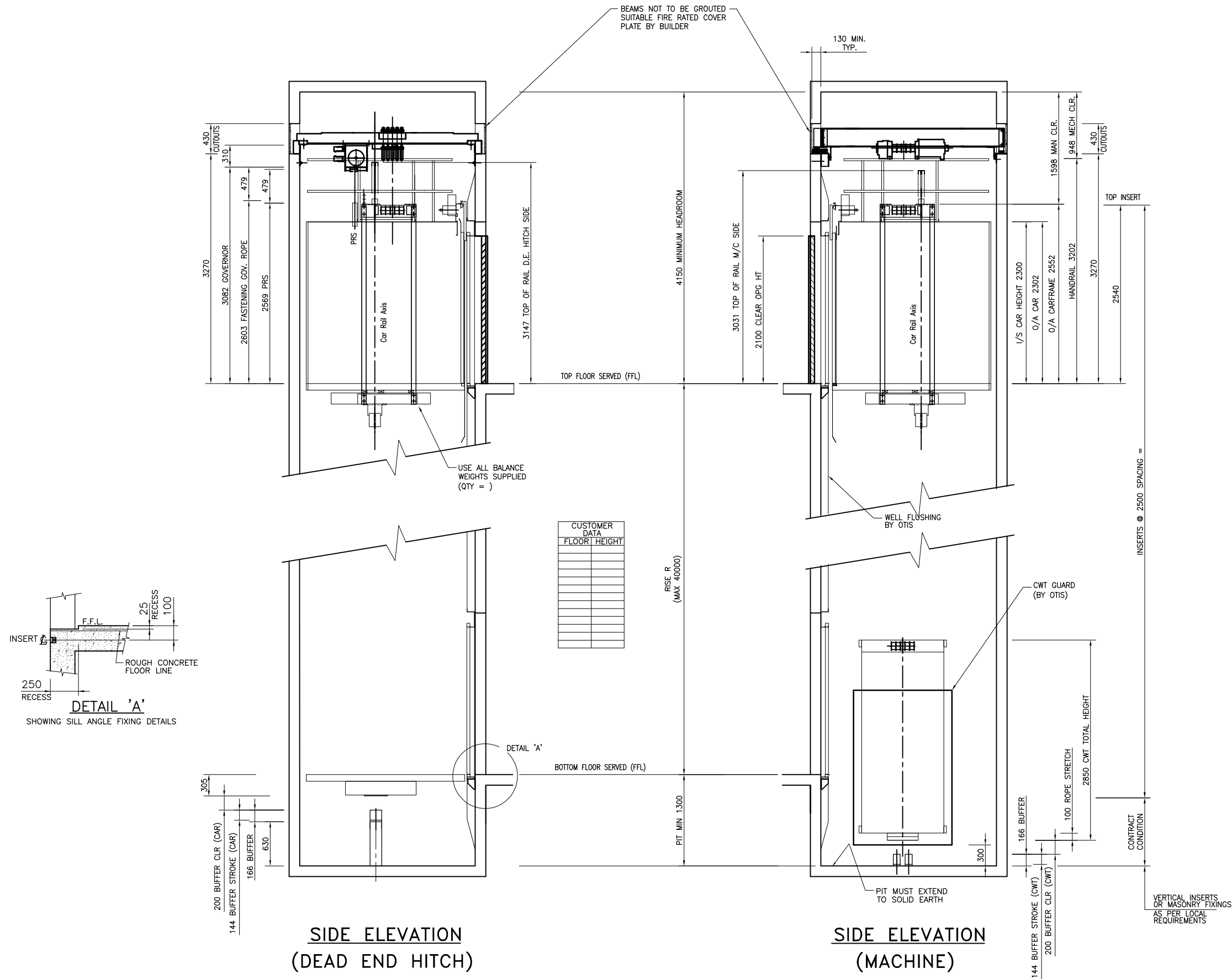
OTIS

13D 1000kg at 1.0 m/s
13D 900 CO 60

DRG.No.L..... No. SBA28158D 2 SHTS-SHT 1 DATE JUNE'02

OTIS RESERVES THE RIGHT TO CHANGE ANY SPECIFICATION ON THIS DRAWING WITHOUT PRIOR NOTICE.

REVISIONS



STANDARD APPROVEDR. FLINT..... DATE JUNE'98... CONTRACT APPROVED BYDATE.....

CONTRACT No.....
BUILDING.....
LOCATION.....
OWNER.....
BUILDER.....
ARCHITECT.....
ENGINEER.....

LAYOUT
GON2

OTIS

13D 1000kg at 1.0 m/s
13D 900 CO 60

DRG.No.L..... No. SBA28158D 2 SHTS-SHT 2 DATE. JUNE'02