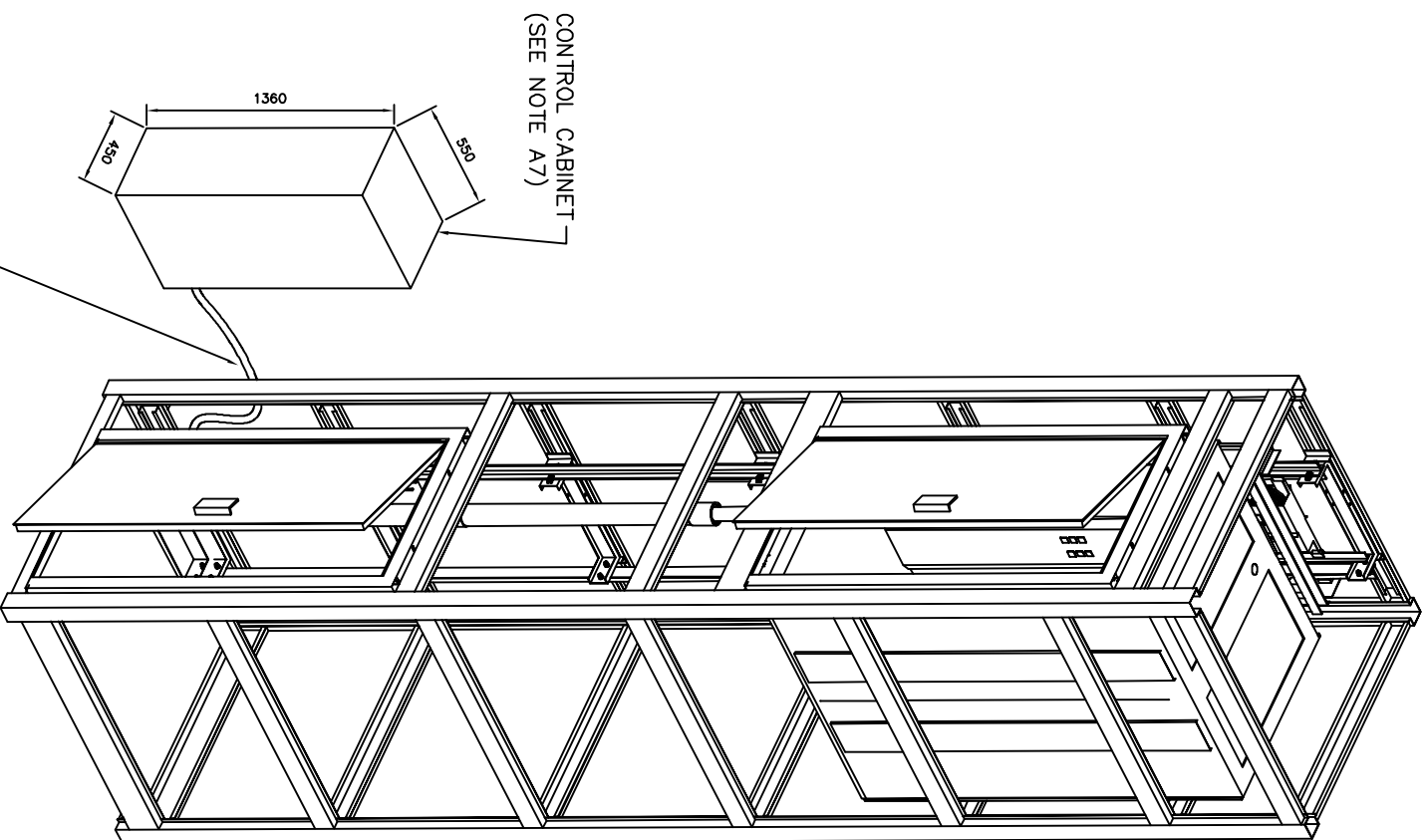
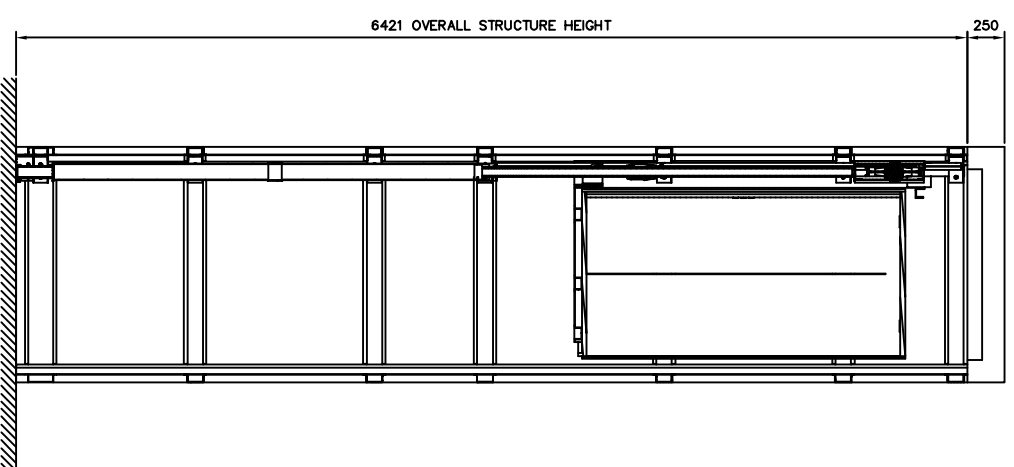


CAR & STRUCTURE DETAIL

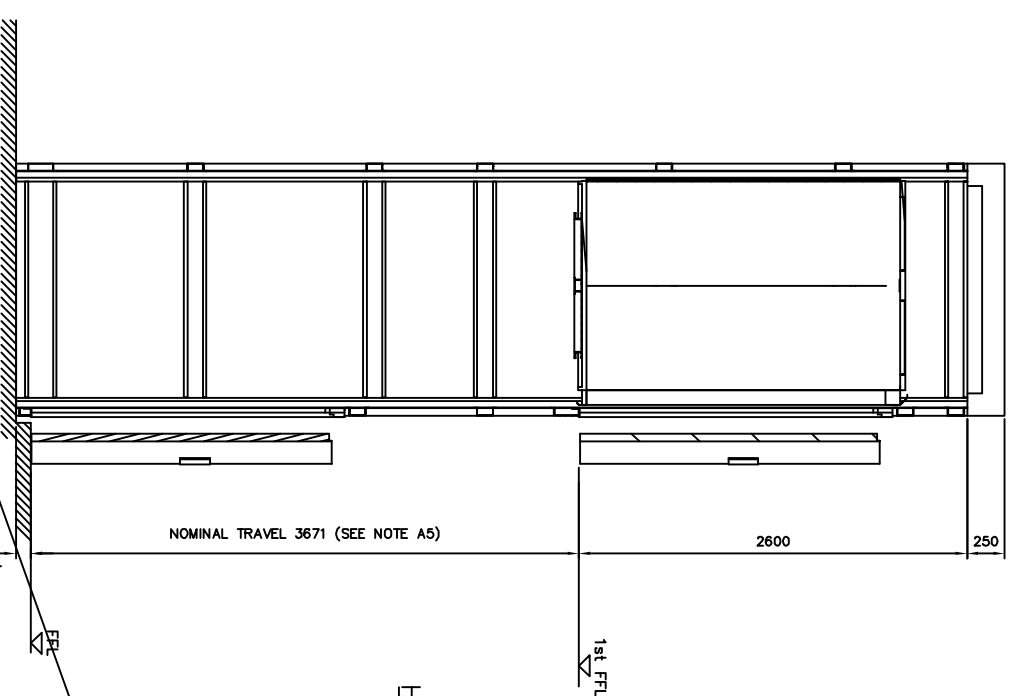
ISOMETRIC VIEW ON LIFT STRUCTURE
SCALE: NTS
(ROOF NOT SHOWN)



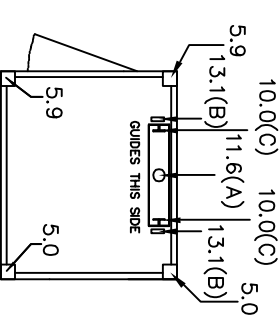
SECTION A-A



SECTION B-B



DETAIL 3
VERTICAL LOADS INTO PIT FLOOR



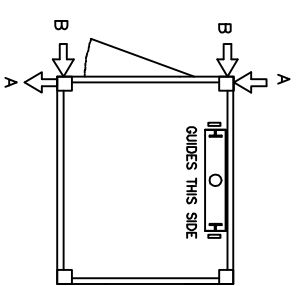
VIEW ONTO LIFT SLAB
SEE NOTE A1.

DETAIL 4

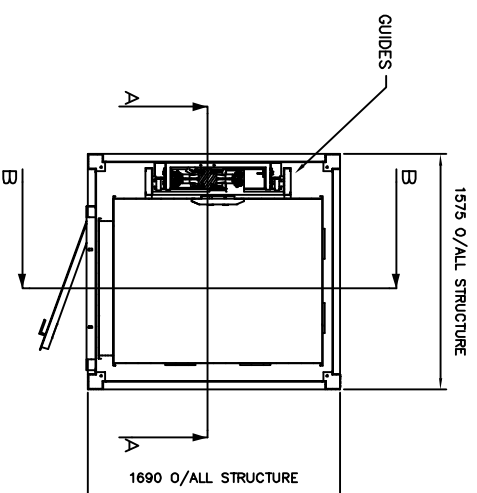
HORIZONTAL LOADS INTO BUILDING WALL

PLAN ONTO LIFT STRUCTURE

LOAD	POSITION	FORCE (KN)
A	UPPER LANDING	10.7
A	GROUND LEVEL	5.3
A	TOP STRUCTURE	10.7
B	UPPER LANDING	25.0
B	GROUND LEVEL	5.3
B	TOP STRUCTURE	25.0



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SCALE 1:50 SHEET 1 OF 3

CONTRACT No. n/d
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REV.	DRAWN	DATE	CHANGE	DCN No.	GRID REF.

DRG TITLE: ARRANGEMENT, MIDLIFT 'DL'

MATERIAL: -

FINISH: -

DRAWN BY: CPD DATE: 01.04.03

CHECKED BY: -

DRAWING NUMBER: L222000-2

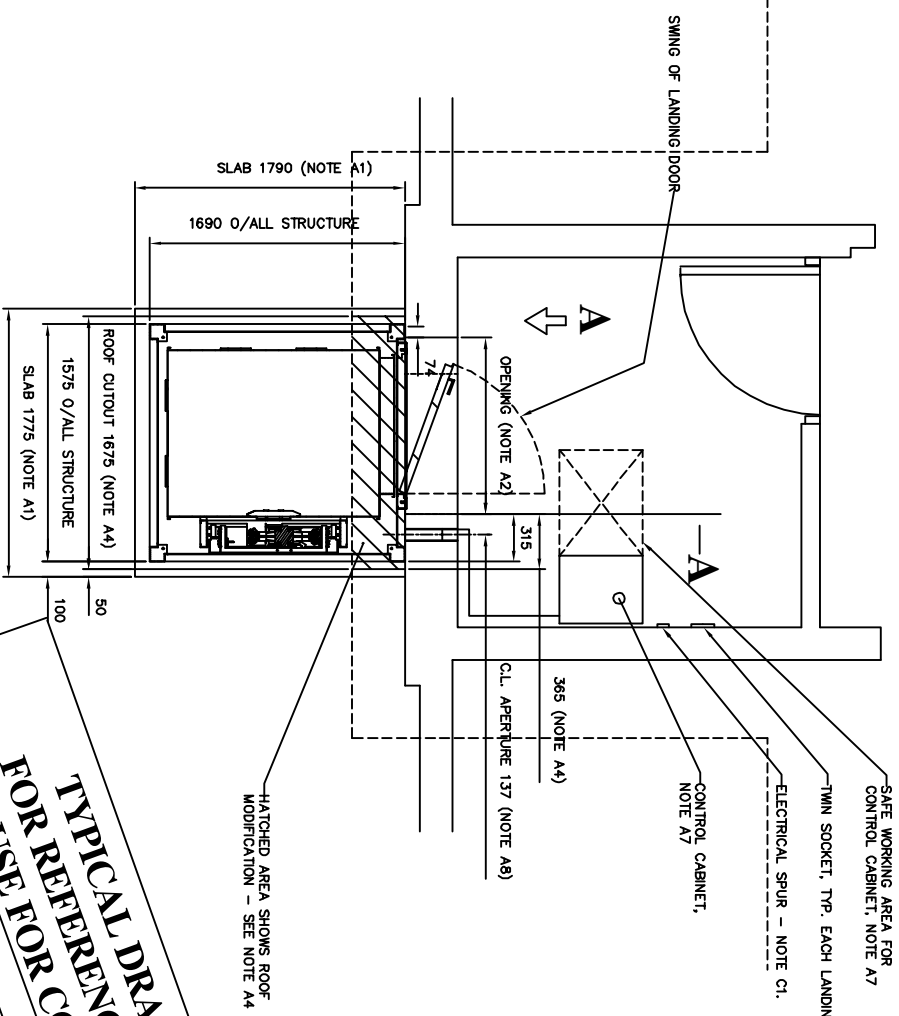
REV.

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PLAN OF LIFT SHAFT & LOBBY, FIRST FLOOR

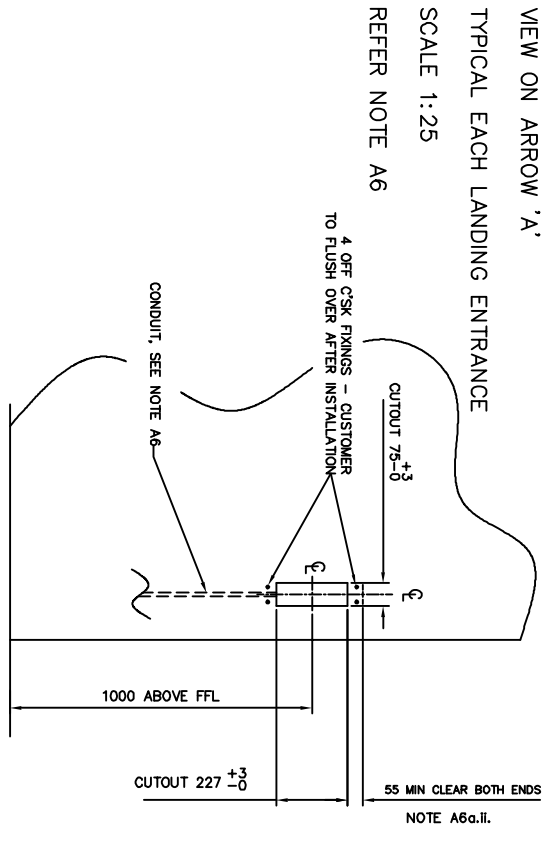
ELEVATION ON ARROW 'B'

(FROM OUTSIDE)

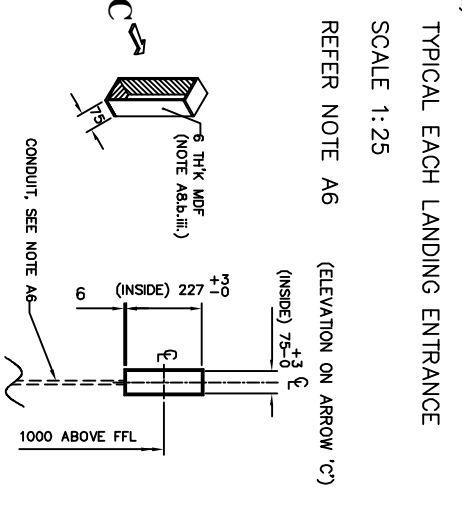


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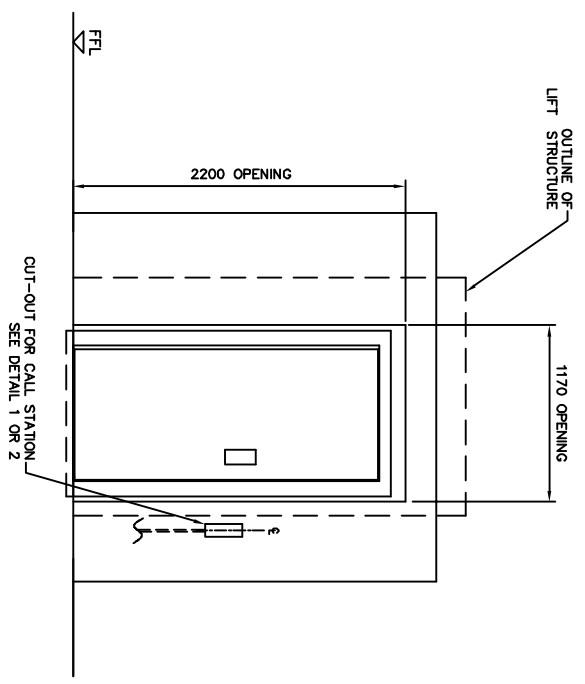
DETAIL 1:
 LANDING CALL CUTOUT DETAIL (DRY LINING)
 VIEW ON ARROW 'A'



DETAIL 2:
 LANDING CALL CUTOUT DETAIL (MASONRY)
 VIEW ON ARROW 'A'

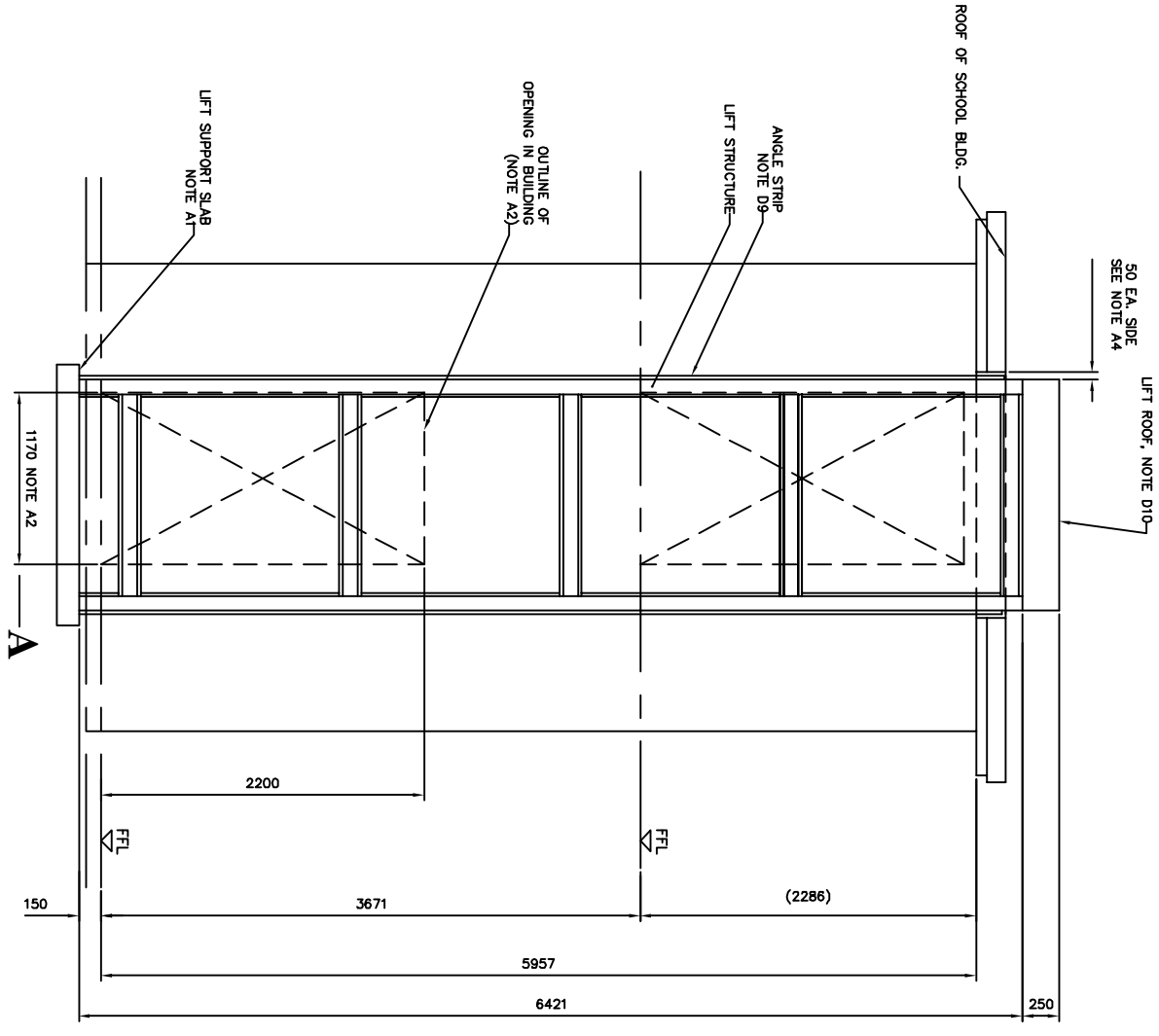


ELEVATION ON ARROW 'A'
 (FROM LANDING)



CONTRACT No. n/d
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SCALE 1:50
 SHEET 2 OF 3



REV.	DRAWN	DATE	CHANGE	DCN No.	GRID REF.

DRG TITLE: ARRANGEMENT, MIDLIFT 'DL'

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BUILDERS WORK - NOTES

A. BUILDERS WORK REQUIRED BEFORE LIFT INSTALLATION

1. SLAB
FORM SLAB ONTO WHICH LIFT WILL BE MOUNTED. TOP SURFACE OF SLAB TO BE LEVEL & SMOOTH; TOP SURFACE TO BE 150 ±5 BELOW GROUND FFL.

DESIGN OF SLAB TO BE APPROPRIATE TO SUPPORT LOADS INDICATED IN DETAIL 3. VERTICAL LOADS INTO PIT FLOOR (SHEET 1), NOTE THAT ONLY ONE OF LOADS A, B, & C ARE APPLIED AT ANY GIVEN TIME.

POSITION OF SLAB TO BE SET OUT TO DIMENSION GIVEN IN PLAN VIEW (SHEET 2), RELATIVE TO DATUM 'A'. FOR EXPLANATION OF DATUM 'A', SEE NOTE #2.

2. LANDING OPENINGS

FORM LANDING ENTRANCE OPENINGS TO SIZES GIVEN. LANDING ENTRANCES TO BE SAME SIZE.

DATUM 'A' ALIGNS WITH RIGHT HAND SIDE EXISTING BRICKWORK EDGE OF LOWER LEVEL WINDOW FRAME (WHEN VIEWING ONTO ELEVATION FROM OUTSIDE BUILDING). UPPER LANDING OPENING TO BE SET PLUMB WITH LOWER LEVEL OPENING. DIMENSION GIVEN ARE TO FINISHED EDGES.

IT IS CRITICAL THAT THE SIZE OF CONSTRUCTED FEATURES & ALIGNMENT BETWEEN THEM ARE TO THE DIMENSIONS GIVEN. MEASUREMENTS SHOULD BE CHECKED DURING CONSTRUCTION & DISCREPANCIES REPORTED TO STANNAH LIFTS.

PERMITTED TOLERANCE ON LINEAR & PLUMB DIMENSIONS ±15.

CONSTRUCTION TO BE IN ACCORDANCE TO APPLICABLE REGULATIONS.

3. STRENGTH OF FIXING WALL

THE LIFT WILL BE FIXED BACK TO THE BUILDING WALL TO WHICH IT ABUTTS. STRUCTURE WILL BE FIXED TO THE WALL AT GROUND LEVEL, UPPER SLAB & NEAR TOP OF GUIDES. REFER TO DETAIL 4 (SHEET 1) FOR POSITION & MAGNITUDE OF FORCES.

NOTE THAT ALL FORCES ARE APPLIED HORIZONTALLY & CAN BE APPLIED IN EITHER DIRECTION.

CUSTOMER TO ADVISE REQUIREMENTS FOR FIXINGS. IT IS SUGGESTED THAT WHERE POSSIBLE, FIXINGS WILL NEED TO BE MADE THROUGH THE BRICK WALL & INTO THE FLOOR SLAB.

PLEASE NOTE THAT STANNAH LIFTS ARE UNABLE TO ACCEPT RESPONSIBILITY FOR INTEGRITY OF MATERIAL INTO WHICH RESTRAINT FIXINGS FOR THE LIFT ARE TO BE MADE. IF THERE IS ANY DOUBT REGARDING THE ABILITY OF THE BUILDING TO SUPPORT THE APPLIED LOADS, IT IS ADVISED THAT A STRUCTURAL ENGINEER IS CONSULTED.

4. ROOFLINE MODIFICATION

DUE TO THE FACT THAT THE LIFT STRUCTURE EXTENDS ABOVE THE HEIGHT OF THE ROOF EAVES, THE ROOFLINE WILL NEED TO BE CUT AWAY ACCORDING TO DIMS. SHOWN, EDGE OF ROOF IN PLAN SHOULD FINISH FLUSH WITH FACE OF OF BRICK WALL.

GENERAL

5. FFL TO FFL MEASUREMENTS TO BE ACHIEVED TO WITHIN ±25 OF DIMS SHOWN.

6. AT EACH LANDING, APERTURE REQUIRED IN WALL FOR FITTING OF LANDING CALL CONTROL. DETAIL OF WALL CUT-OUT REQUIRED DEPENDS ON WALL CONSTRUCTION. SEE SHEET 2 DETAIL 1 FOR DRY LINING OR DETAIL 2 FOR MASONRY. FOR EACH CASE, A 25 DIA. CONDUIT WITH DRAW WIRE IS REQUIRED BETWEEN LIFT WELL & LANDING CALL POSITION. ACHIEVEMENT OF CORRECT CUT-OUT SIZE IS CRITICAL IN ORDER THAT WHEN FITTED, BEZEL PLATE WILL COVER EXPOSED EDGES. ADDITIONALLY, THE FOLLOWING POINTS SHOULD BE CONSIDERED:

- a. DRY LINING:
- CLEAR DEPTH REQUIRED FROM FINISHED FACE 65mm
 - CLEARANCE HEIGHT OF 55 AT REAR SIDE OF PLASTERBOARD FACE IS REQUIRED ABOVE & BELOW CUTOUT FOR POSITIONING OF FIXING BRACKET.
 - LANDING CALL FIXING SCREWS TO BE FLUSHED OVER AFTER INSTALLATION

b. MASONRY:

- TIMBER LINING HAS NO BACK - JUST 4 SIDES REQUIRED.
- CLEAR DEPTH REQUIRED FROM FINISHED FACE 65mm
- 6 THK LINING MAY BE VARIED IF PREFERRED - ONLY ACHIEVEMENT OF INTERNAL DIMS. IS CRITICAL TO ENSURE CALL ASSEMBLY WILL FIT.
- WALL TO BE DECORATED TO INSIDE EDGES OF OPENING (NOT OUTSIDE EDGE OF TIMBER LINING) SUCH THAT EDGE OF LINING IS COVERED.

NOTE THAT POSITION OF LANDING CALL UNITS SHOULD BE CHOSE SUCH THAT THEY ARE:

- TO SLAM SIDE OF DOOR
- AT HEIGHT OF 1000 ABOVE FFL
- EASILY ACCESSIBLE FOR LOU USER. i.e. THAT USER IN A WHEELCHAIR CAN PRESS CALL (WHICH IS CONSTANT PRESSURE) THEN PULL DOOR OPEN WITHOUT IT BEING OBSTRUCTED BY POSITION OF WHEELCHAIR.

CONTROL BOX:

7. THE SPACE INDICATED FOR CONTROL BOX TO BE MADE AVAILABLE. THE SPACE PROPOSED IS CURRENTLY USED FOR STORAGE. SO THIS WILL NEED TO BE CLEARED. NOTE THAT CONTROL BOX IS 1360 HIGH.

NOTES CONTINUED...

THE POSITION PROPOSED FOR CONTROL BOX HAS BEEN CHOSEN TO PERMIT MAINTENANCE OPERATIONS TO BE CARRIED OUT SAFELY. ACCORDING TO LIFT REGULATIONS (EN81:2) WHICH ARE REFERENCED FOR GUIDANCE ON GOOD PRACTICE. STATE THAT A CLEAR AREA IN FRONT OF THE CONTROL BOX 700 DEEP SHALL BE PROVIDED. THIS IS SHOWN HATCHED IN THE PLAN VIEW.

LIGHT LEVEL IN THE LOBBY WHERE THE CONTROL BOX IS INSTALLED TO BE MINIMUM 200 LUX AT FLOOR LEVEL.

8. APERTURE THROUGH WALL IN POSITION SHOWN REQUIRED TO ROUTE HYDRAULIC HOSE & ELECTRICAL CABLES BETWEEN CONTROL BOX & LIFT STRUCTURE. HEIGHT OF APERTURE WILL BE HEIGHT AT WHICH TRUNKING (WHITE PVC) WILL BE ROUTED. SUGGEST JUST ABOVE FFL APERTURE TO BE 80 SQUARE.

B. BUILDERS WORK REQUIRED AFTER LIFT INSTALLATION

1. INFILL GAPS BETWEEN LANDING THRESHOLDS & EDGE OF LIFT STRUCTURE.

2. INFILL GAPS AROUND LANDING OPENINGS TO LIFT STRUCTURE. IF FIRE SEPERATION IS REQUIRED TO BE ACHIEVED, THEN THE DESIGN OF SURROUNDS & SELECTION OF MATERIALS TO BE SUITABLY SPECIFIED BY CUSTOMER.

3. TO MAINTAIN FIRE INTEGRITY OF UPPER LANDING LOBBY, APPROPRIATE GLANDING OR MAKING GOOD OF DUCT APERTURE TO BE MADE BY OTHERS (AS NECESSARY).

C. ELECTRICAL PROVISIONS REQUIRED BY OTHERS BEFORE LIFT INSTALLATION

1. SINGLE PHASE DEDICATED POWER SUPPLY, 240V 50Hz RATED AT 13A SUPPLY TO TERMINATE AT A SWITCHED FUSED & LOCKABLE ISOLATOR POSITIONED IN CLOSE PROXIMITY TO CHOSEN POSITION FOR CONTROL CABINET.

2. AT EACH LANDING, TWIN MAINS ELECTRICAL SOCKET OUTLET IN VICINITY OF LIFT FOR MAINTENANCE PURPOSES - WILL BE NEEDED FOR LEAD LIGHT & POWER TOOLS.

3. LIGHTING AT EACH LANDING ENTRANCE TO BE MIN 50 LUX. THIS LIGHTING TO BE WIRED FROM SEPARATE SUPPLY TO LIFT. (LIFT PLATFORM LIGHTING IS PROVIDED AS AN INTEGRAL PART OF THE LIFT CAR).

D. GENERAL / SAFETY REQUIREMENTS TO BE PROVIDED BY OTHERS

1. SCAFFOLDING TO BE ERECTED ON ALL 3 SIDES AROUND POSITION FOR LIFT STRUCTURE TO HEIGHT OF BUILDING ROOF LEVEL. SCAFFOLD CONSTRUCTION TO COMPLY WITH APPLICABLE REGULATIONS & TO INCLUDE TACKLE JIB TO LIFT 40kg (GLASS PANELS & ROOF ASSEMBLY). HEIGHT BETWEEN DECKS TO BE 1.8m. DECKS TO BE NO MORE THAN 1m BELOW BUILDING ROOF. SCAFFOLD INSIDE EDGE TO ABUTT FACE OF CONCRETE SLAB (i.e. TO GIVE 100 GAP TO LIFT STRUCTURE).

2. SPACE TO BE MADE AVAILABLE FOR THE OFFLOADING OF LIFT PARTS IN VICINITY OF INSTALLATION. DELIVERERS WILL NORMALLY BE MADE BY 'HAB' FLATBED TRUCK (34m³ OF SPACE REQUIRED IN VICINITY OF LIFT INSTALLATION IS NOT POSSIBLE. PROVISION WILL BE REQUIRED TO MOVE PARTS TO APPROPRIATE LOCATION.

3. WEATHERPROOF DRY SECURE STORAGE AREA REQUIRED FOR ALL LIFT EQUIPMENT, PLANT & TOOLS ONCE DELIVERED TO SITE.

4. WORKING AREA SAY 5m x 5m REQUIRED AT LOWER LEVEL OF LIFT FOR PRE-ASSEMBLY & SITE WORKING. THIS AREA TO BE COURDNONED OFF & ACCESS RESTRICTED TO LIFT INSTALLERS ONLY. IMMEDIATE AREA IN FRONT OF EACH LIFT LANDING ENTRANCE SHALL BE SIMILARLY COURDNONED OFF & ACCESS RESTRICTED.

5. TASK LIGHTING REQUIRED FOR WORKING AREA DESCRIBED IN NOTE D4 & EACH LANDING AREA. (APPLICABLE IF NOT ALREADY ADEQUATELY ILLUMINATED).

6. UPPER LEVEL IN VICINITY OF LIFT TO BE TEMPORARILY PROTECTED TO PREVENT FALLING (APPLIES TO LANDING ENTRANCES AS WELL AS ANY ADDITIONAL EDGES WHERE A HAZARD OF FALLING EXISTS).

7. ALTERNATIVE MEANS OF ACCESS TO UPPER LANDING REQUIRED.

8. FACILITY TO BE PROVIDED IN VICINITY OF THE LIFT FOR THE DISPOSAL OF WASTE MATERIALS. A SKIP OF VOLUME 4 CUBIC METRES WILL BE ADEQUATE.

9. ANGLE PROFILE (2x x 40) TO BE FIXED BY STANNAH. FIX TO WALL WITH SCREW & PLUG AT 500 PITCHES. SEAL EDGES TO WALL & LIFT STRUCTURE WITH SILICONE SEALANT. SIMILARLY FIT SEAL PROFILE AROUND PERIMETER OF LIFT AT SLAB LEVEL.

10. LIFT ROOF WILL BE ANGLED TOWARDS BUILDING SO AS TO DIVERT DRAINAGE WATER ONTO ROOF OF BUILDING VIA A GULLEY POSITIONED IN THE BACK CORNER.

LIFT SPECIFICATION

General features

Parameter	quantity	unit
contract load	250	kg
rated speed	0.15	m/s
cabin size	1100 x 1400	mm
structure size	1575 x 1690	mm
power supply	240	V
power supply	50	Hz
power supply	1	Ph.
drive mechanism type	hydraulic	
drive motor power	1.5	kW
hydraulic hose length	9	m
pit depth	150	mm

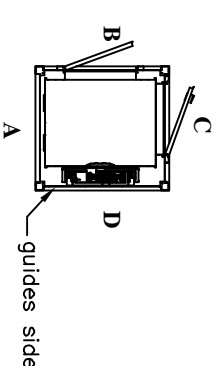
Landing door detail

Parameter	quantity	unit
no. of entrances	2	
fire rating	60	mins
entrance clear width	900	mm

Options

item	quantity	position
handrail	1	A
half height mirror	0	A & B
glass car wall panel	2	A & B
structure side, glass clad2		A & B
structure side, steel clad 1		D

Lift face notation
(typical arrangement for
identification only)



CONTRACT No. n/a
TYPICAL DRAWING,
EXTERNAL MIDLIFT 'DL'

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SCALE n/a

SHEET 3 OF 3

REV.	DRAWN	DATE	CHANGE	DCN No.	GRID REF.

DRG TITLE: ARRANGEMENT, MIDLIFT 'DL'

MATERIAL:	FINISH:

DRAWN BY:	DATE:
Antoin Mill, Andover, Hampshire, SP10 2NX, England	01.04.03

CHECKED BY:	DRAWING NUMBER:
	L2222000-2

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