

SECTION "Y" - "Y" (REFER TO SHEET 4)

SIDE ELEVATION

LIFT EQUIPMENT NOT SHOWN

SECTION "Z" - "Z" (REFER TO SHEET 4)

INSIDE FRONT ELEVATION

LIFT EQUIPMENT NOT SHOWN

IF PIT IS TANKED THE BUILDER IS TO PROVIDE A 150 THICK R/CONC MAT FOR FIXING BOLTS AND TO PROTECT TANKING FROM LOADS AS SHOWN

SHAFT CONSTRUCTION ALL 'BY BUILDER'

THE LIFT SHAFT IS TO BE BUILT FROM (MINIMUM) 140mm THICK C35 REINFORCED CONCRETE OR (MINIMUM) 140mm THICK CONCRETE OR (MINIMUM) 140mm THICK HIGH DENSITY NON-AERATED BLOCKS WITH A MINIMUM STRENGTH OF 10 N/mm. THE SHAFT MUST BE ABLE TO WITHSTAND THE APPLIED LOADS AS SHOWN ON DRAWING NUMBER 6

ATTENDANCE'S AND MAKING GOOD - ALL 'BY BUILDER.'

PROCEDURE FOR SAFE SITE ACCESS TO BE CONFIRMED WITH LOCAL U.S OFFICE BUILDER TO MAKE AVAILABLE DRY, LOCKED AND PROTECTED STORAGE SPACE ADJACENT TO THE LIFT SHAFT.

CUTTING AWAY AND MAKING GOOD, INCLUDING DECORATIVE FINISHES BY BUILDER. REMOVAL OF ALL DEBRIS, BY BUILDER

BUILDER TO ESTABLISH A PERMANENT DATUM LINE ON THE INSIDE OF THE WELL AT ALL LEVELS FROM WHICH THE LIFT ENGINEER CAN ESTABLISH THE FINISHED FLOOR LEVELS

GUIDE AND DOOR FIXINGS

GUIDE AND DOOR FIXING HOLES ARE TO BE MARKED OUT AND DRILLED BY LIFT ERECTOR. HOLES SHALL BE NO MORE THAN 1mm OVER SIZE. HORIZONTAL CENTRES ARE TO BE WITHIN ±3mm OF POSITION, VERTICAL CENTRES CAN BE UP TO ±25mm OUT OF POSITION, BUT EACH HORIZONTAL SET MUST BE WITHIN 1mm IN LINE WITH EACH OTHER.

VALIDITY OF LAYOUT TO BE VERIFIED AT TIME OF ORDER

Date	Revision	Comments

RIGHT LIFT SERVICES LIMITED
43 ARMAW'S INDUSTRIAL ESTATE
SANTRY, DUBLIN 17
TELEPHONE (033-1) 86 331
FACSIMILE (033-1) 86 330

DO NOT SCALE THIS DRAWING

Model: GF0802U0

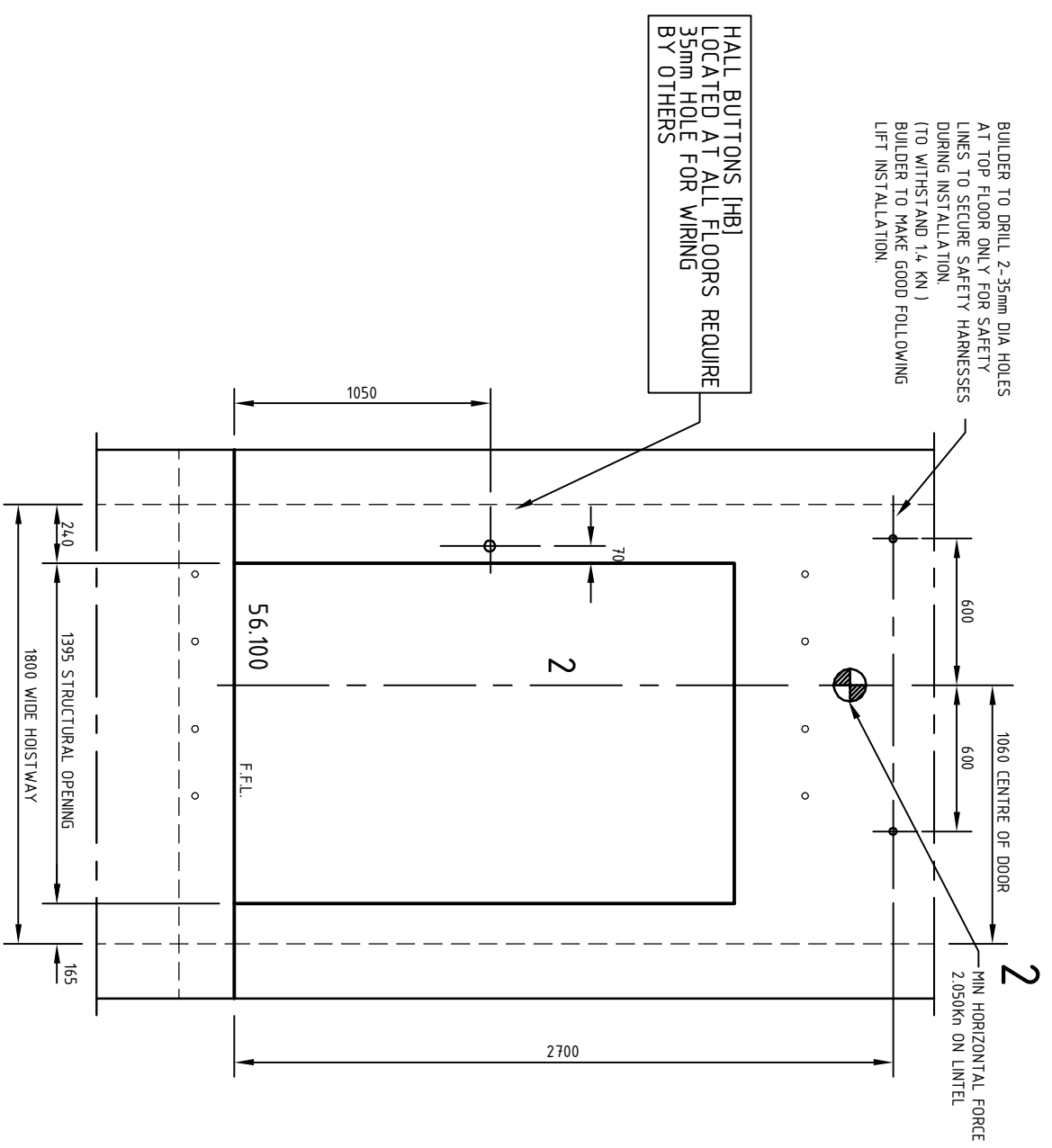
080 at 100 m/s - 1 ENT - TLD (900) - Prima - MCLDCTHLIFT

PROJECT
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ADDRESS : Santry,
: Dublin.

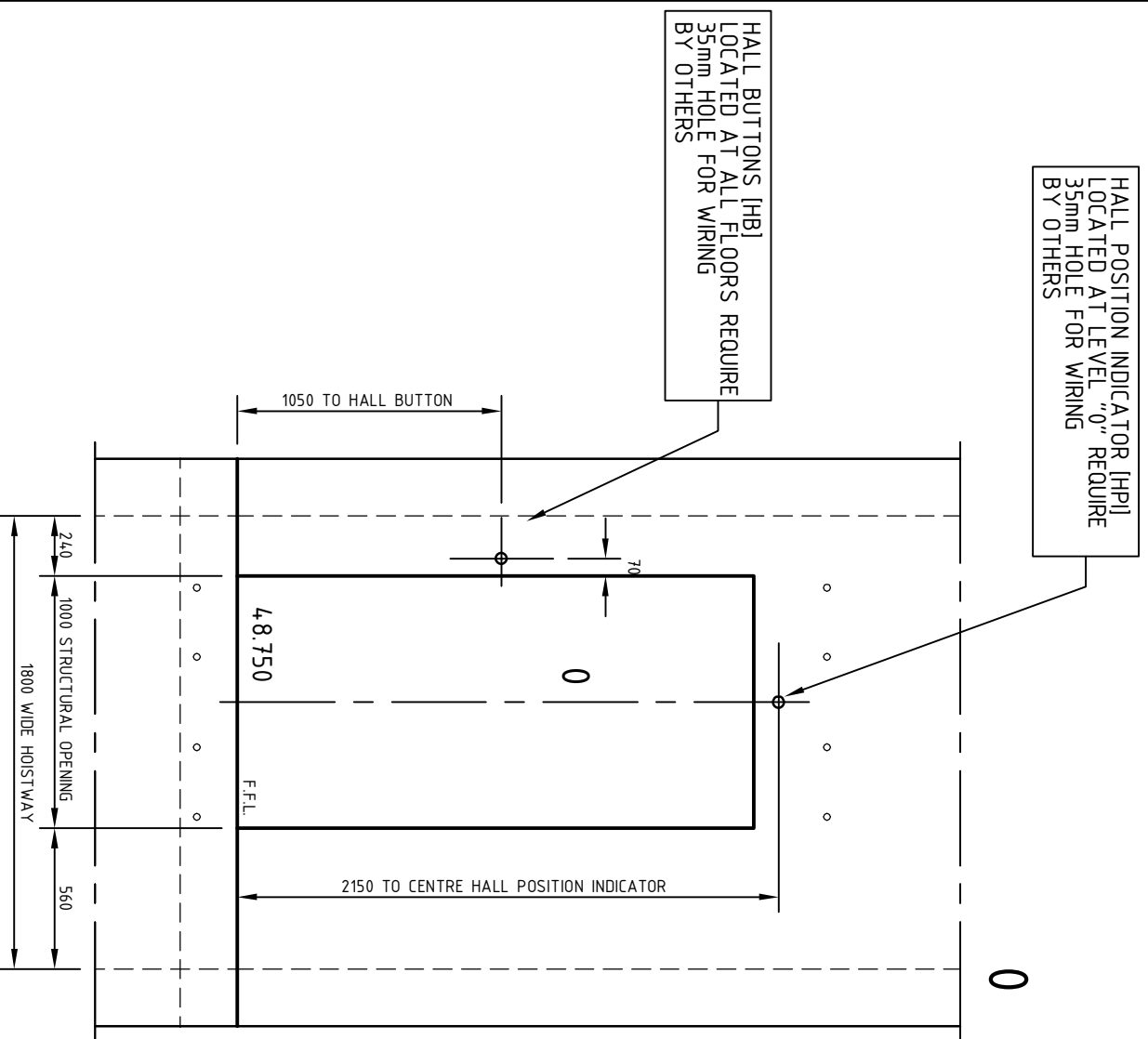
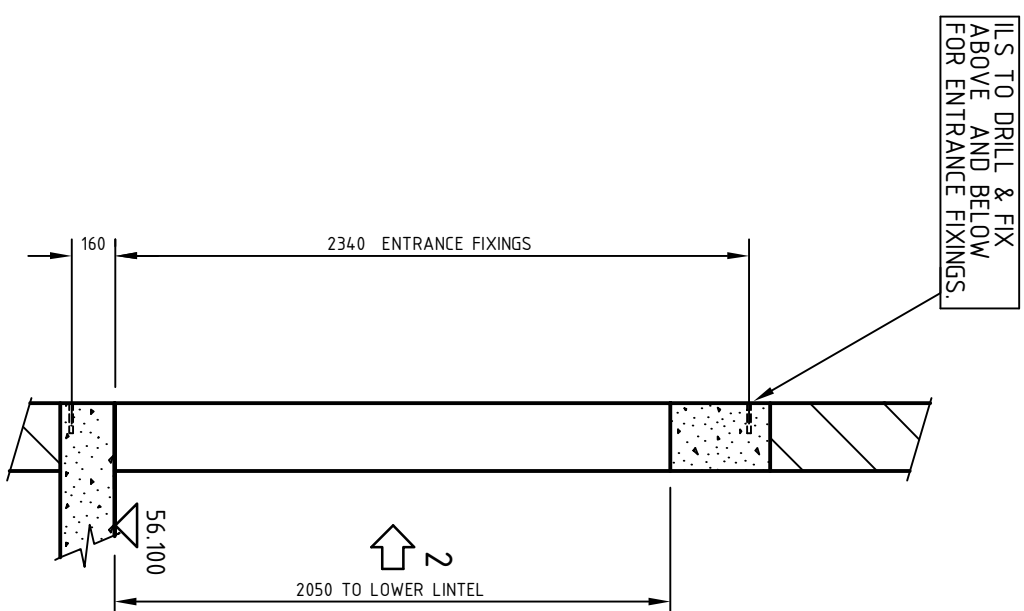
DUTY : 630 Kg
PERSONS : 8
SPEED : 1 m/s

Builder's Work Drawing - Shaft

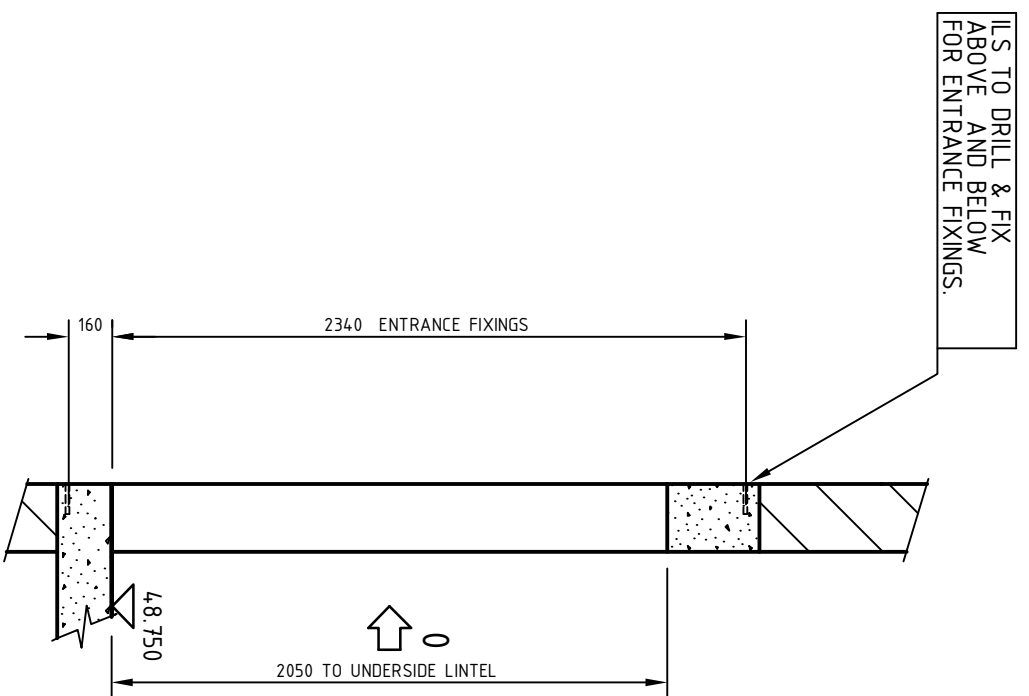
Drawn By	P. Smith	Drawing Number	78LL1000	Sheet No.	1-6	REVISION
Checked By	Team					
Prelim. Date	06/11/2006					



LANDING CABINET FLOOR (TOP FLOOR)
LIFT EQUIPMENT NOT SHOWN

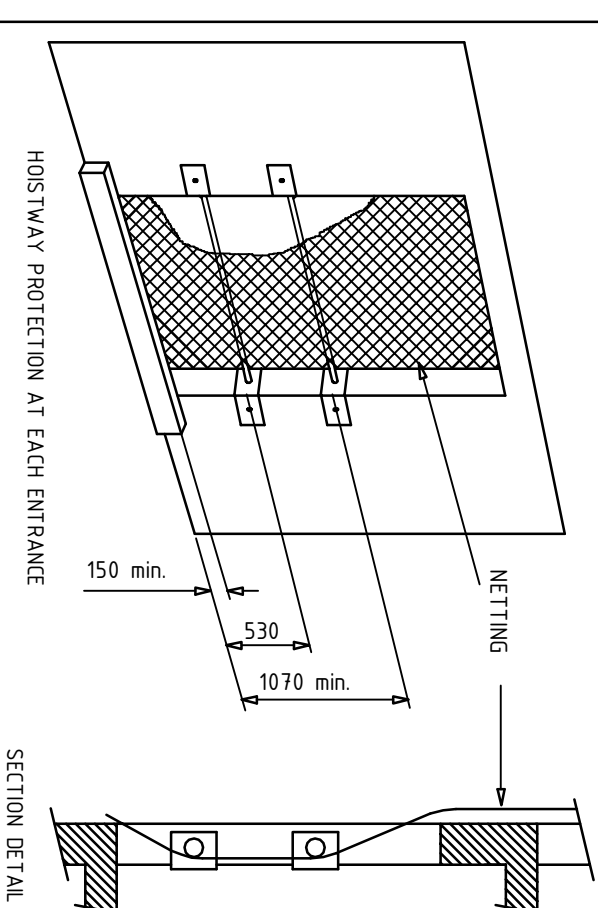


TYPICAL ENTRANCE DETAILS LOWER FLOOR
LIFT EQUIPMENT NOT SHOWN



STRUCTURAL OPENING - BY BUILDER

AT THE ACCESS FLOOR, THE STRUCTURAL OPENING IS TO BE THE FULL WIDTH OF SHAFT BY 2300 HIGH. THIS IS TO BE INFILLED AFTER THE INSTALLATION OF ILS EQUIPMENT.
THE ACCESS FLOOR WILL BE CONFERMED TO THE BUILDER BY ILS, BEFORE COMMENCEMENT OF THE LIFT ERECTION.
THE BUILDER TO GROUT IN ALL FRAMES AND SILLS TO ILS ENGINEER'S REQUIREMENTS AND FINISH FLOOR UP TO DOOR SILLS.
THE BUILDER TO MAKE GOOD THE LIFT ENCLOSURE AFTER INSTALLATION OF LIFT



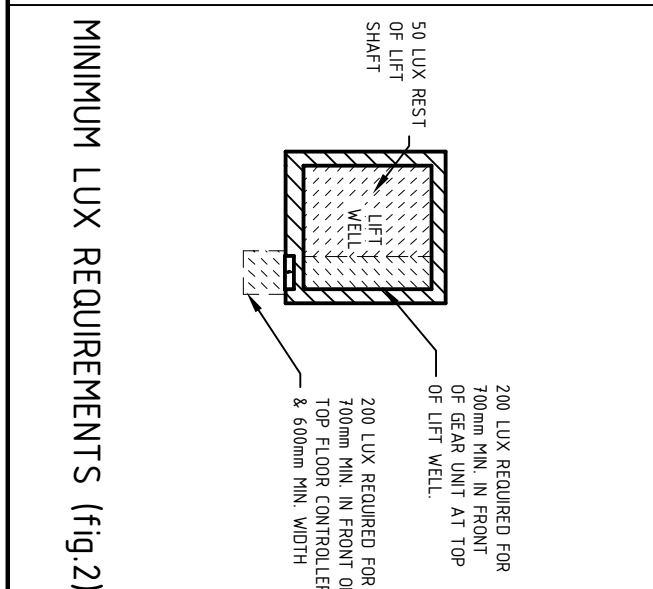
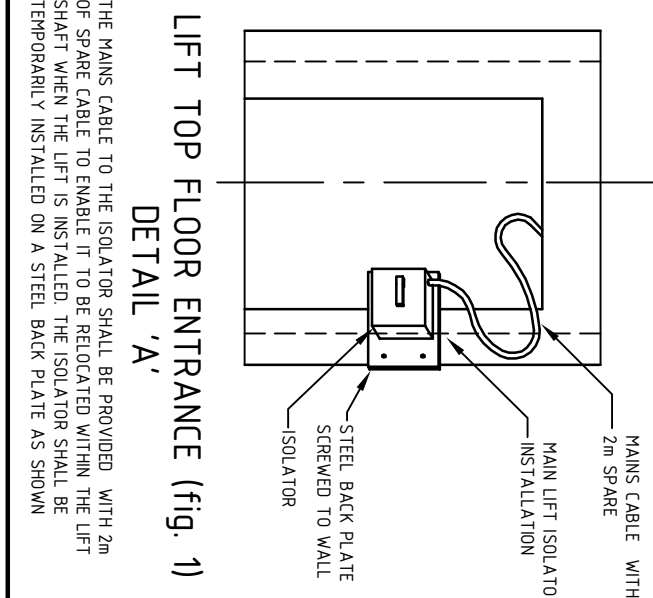
BUILDER TO PROVIDE SUITABLE LANDING ENTRANCE PROTECTION AS ABOVE UNTIL ILS HAVE COMPLETED THE ERECTION OF ALL LANDING DOORS. PROTECTION MUST BE ABLE TO WITHSTAND A LOAD OF 90KG APPLIED FROM THE LANDING ON EITHER BARRIER BAR.

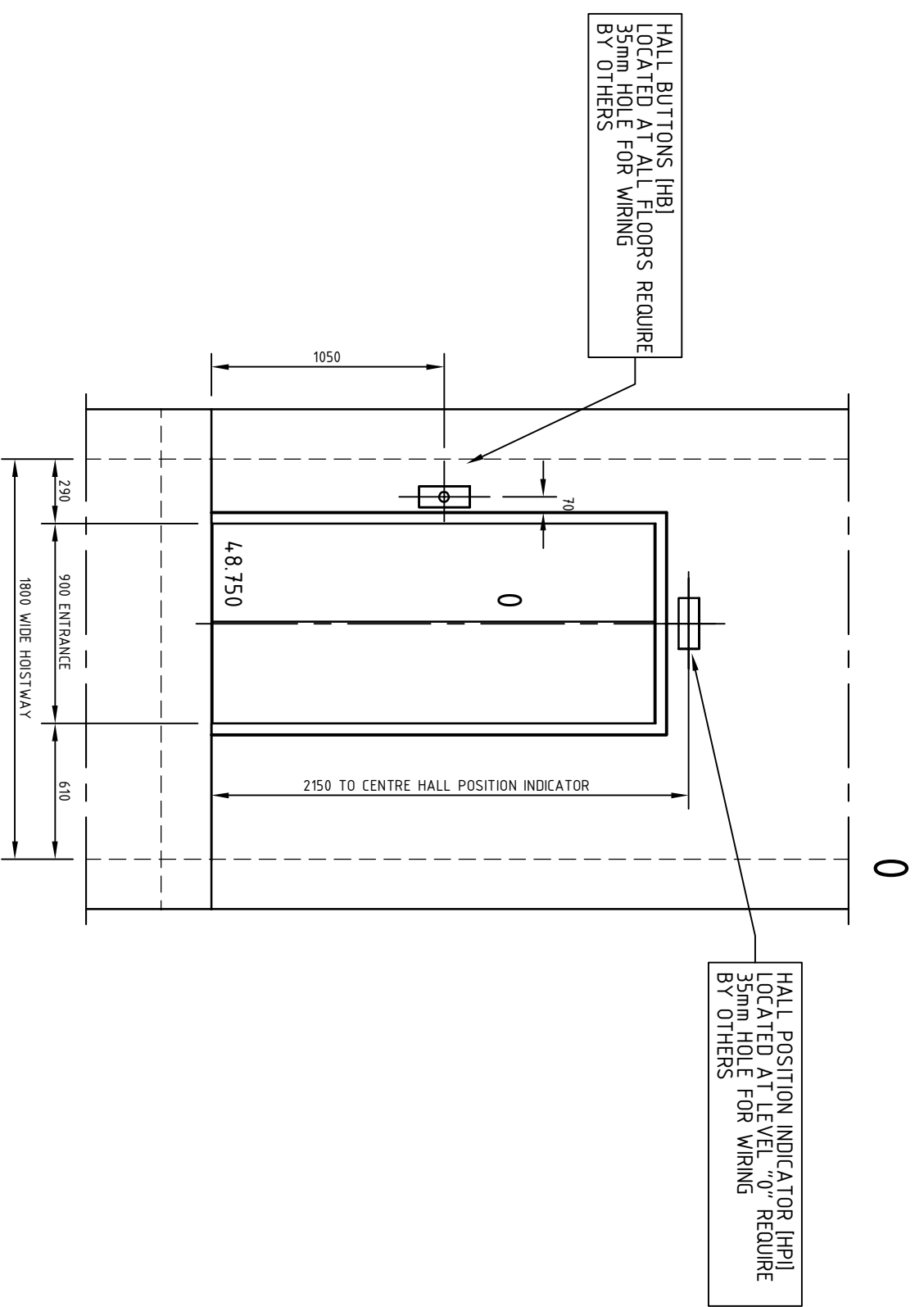
VALIDITY OF LAYOUT TO BE VERIFIED AT TIME OF ORDER	
Date	COMMENTS
Revision	
Model: GF0802U0	
080 at 100 m/s - 1 ENT - 1LD (900) - Prima - MCLQC:TLHFT	

RISH LIFT SERVICES LIMITED 43 ARBAYS INDUSTRIAL ESTATE SANTRY, DUBLIN 17 TELEPHONE (033-1) 866 331 FACSIMILE (033-1) 866 330	
DO NOT SCALE THIS DRAWING	

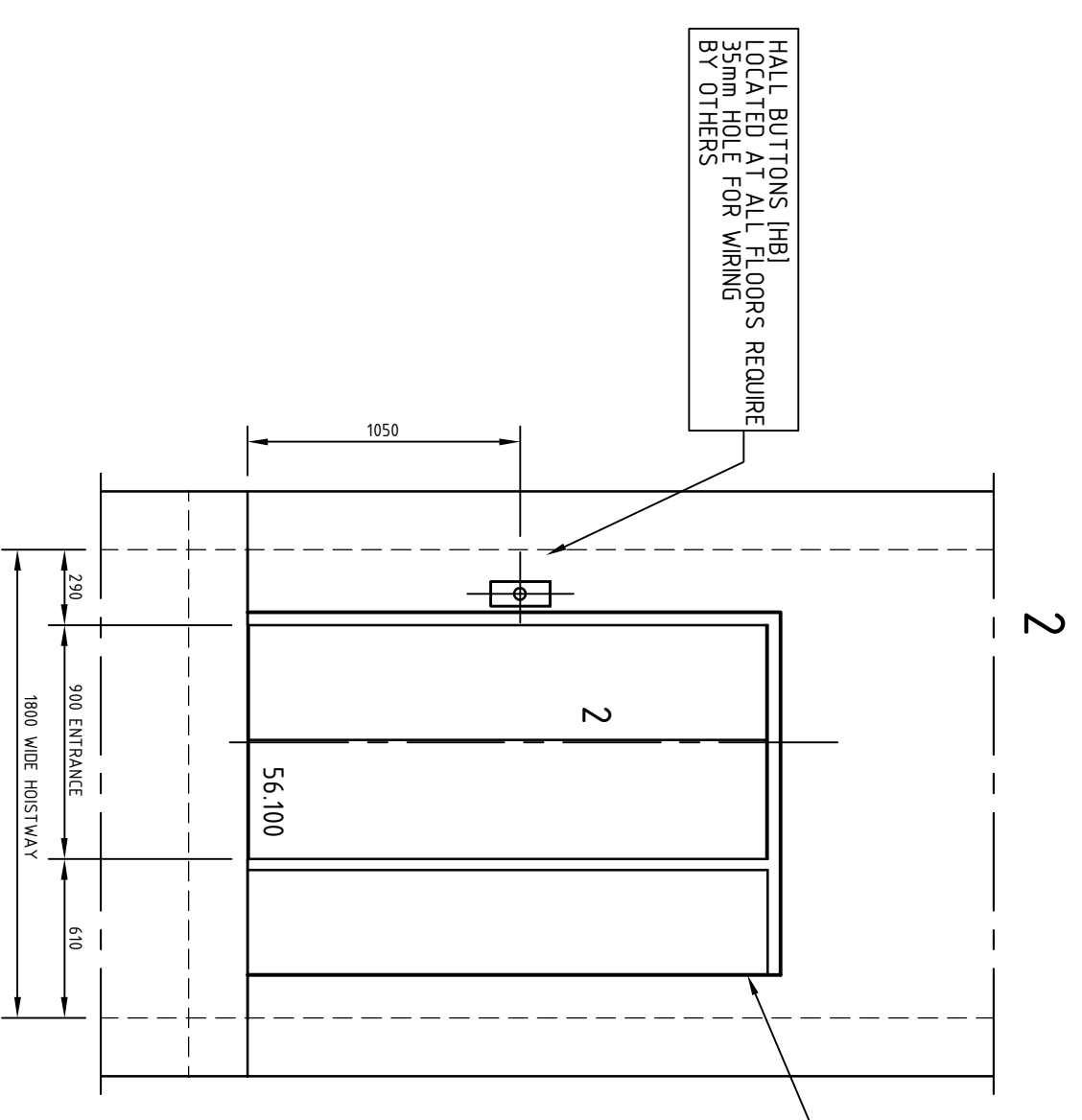
PROJECT NAME : No. 1 Northood Avenue, ADDRESS : Santry, : Dublin.	
DUTY : 630 Kg PERSONS : 8 SPEED : 1 m/s	

Title BUILDERS WORK DRAWING - ENTRANCE	
Drawn By : P Smith Checked By : Team Prelim. Date : 06/11/2006	Drawing Number 78LL1000
Sheet No. 2-6	REVISION

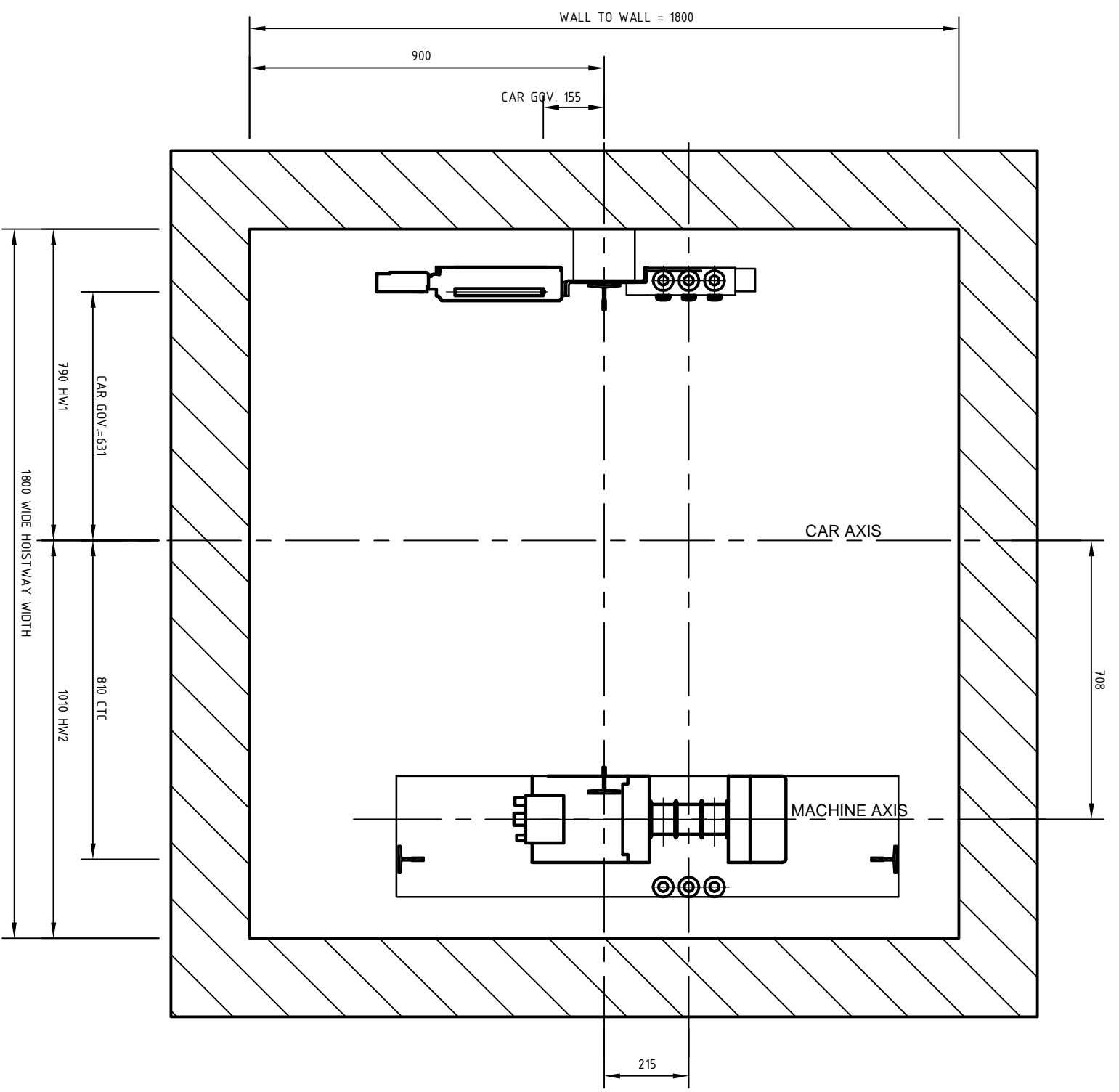
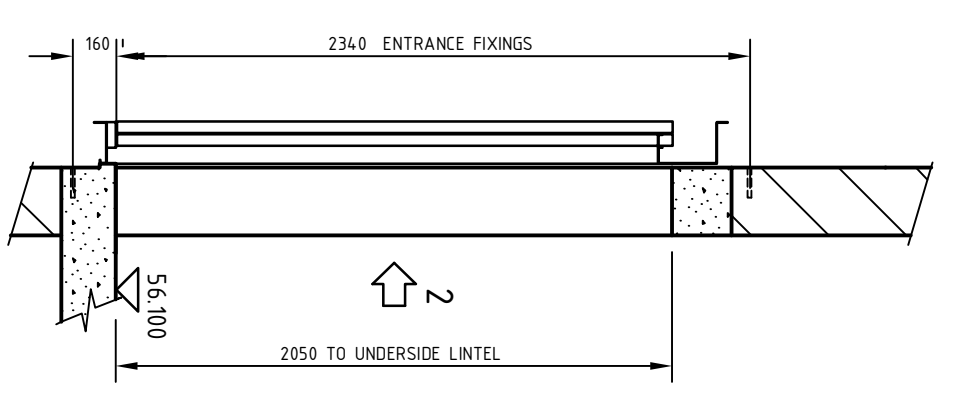




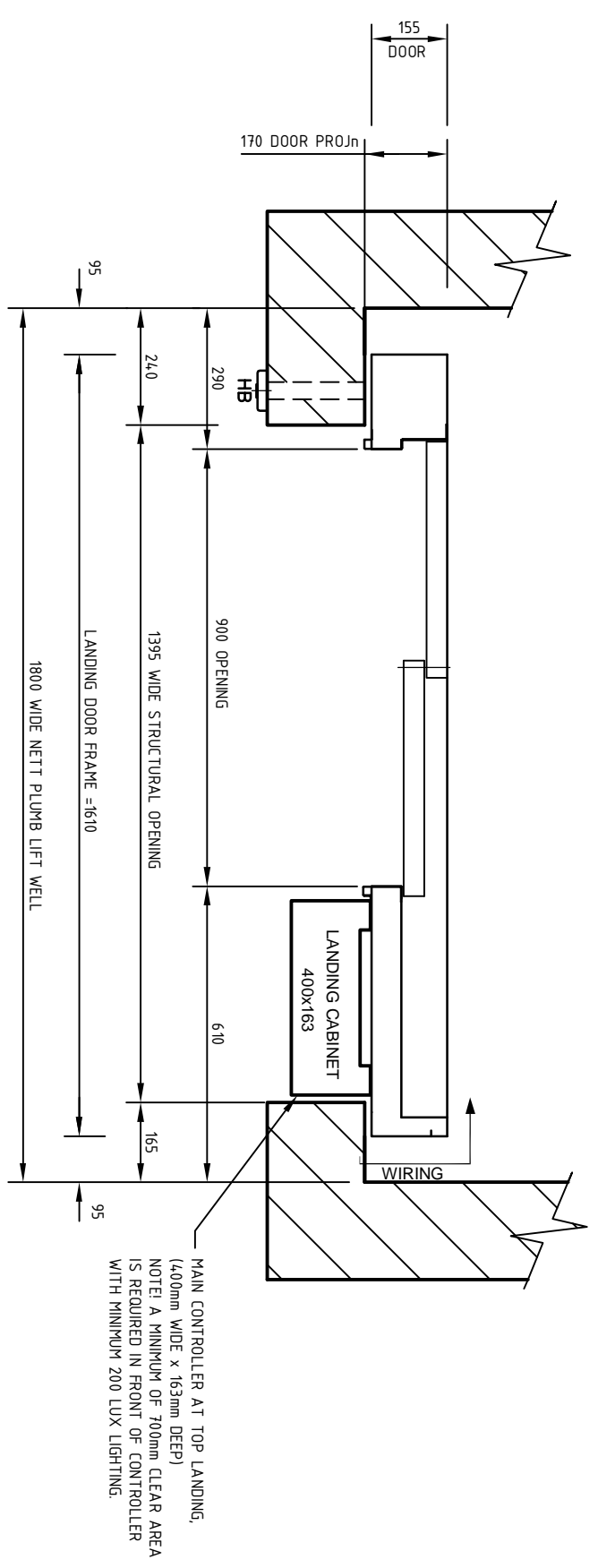
TYPICAL ENTRANCE DETAILS LOWER FLOOR



LANDING CABINET FLOOR (TOP FLOOR)

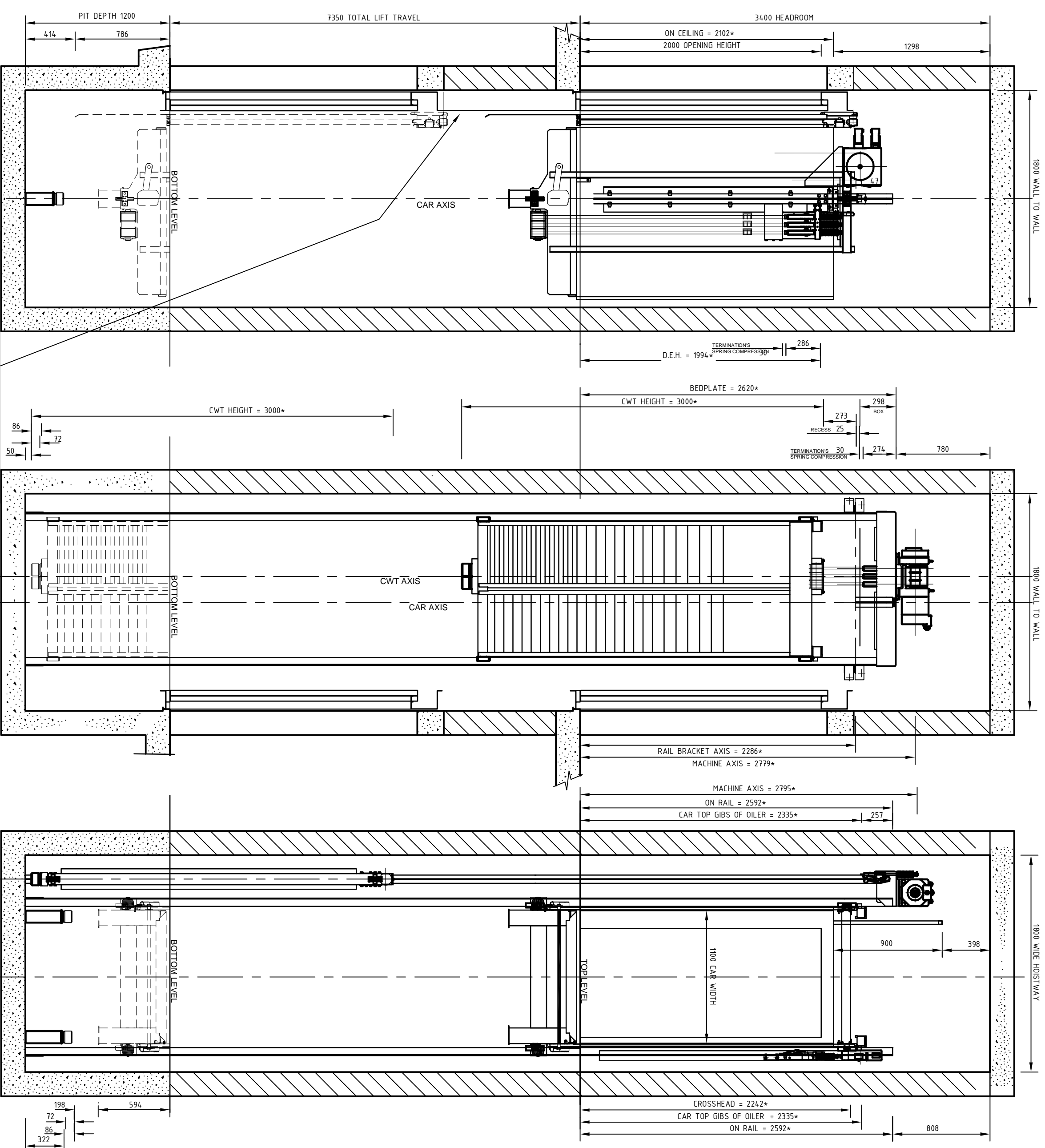


PLAN OF MACHINE AT TOP OF SHAFT

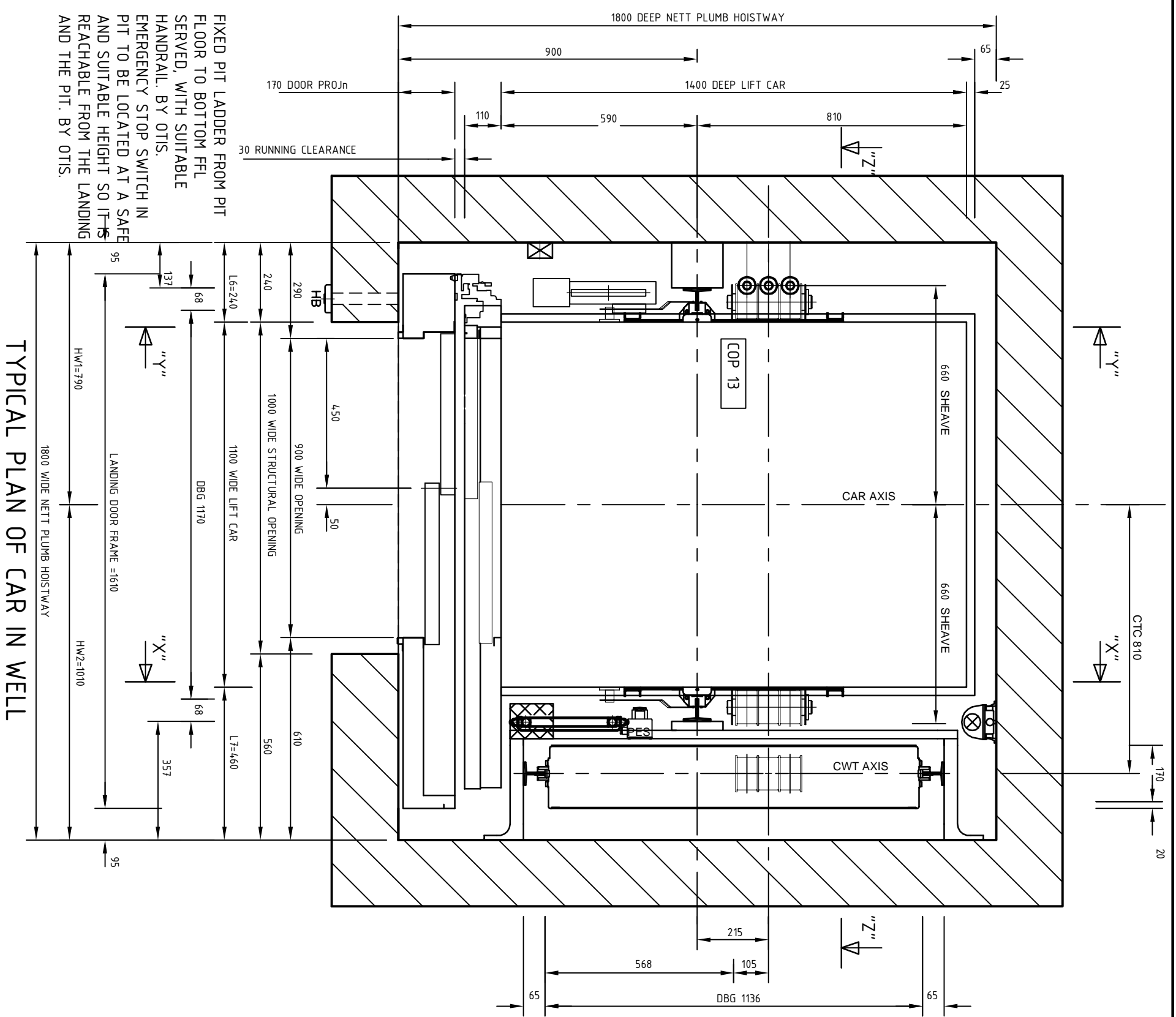


PART PLAN AT TOP FLOOR ONLY
SHOWING LANDING CABINET

VALIDITY OF LAYOUT TO BE VERIFIED AT TIME OF ORDER		COMMENTS	
Date	Revision	New EasyLift	
ILS LIFT SERVICES LIMITED 43 ARBAYS INDUSTRIAL ESTATE SANTRY, DUBLIN 17 TELEPHONE (033-1) 886 331 FACSIMILE (033-1) 886 330			
Model: GF0802U0		DO NOT SCALE THIS DRAWING	
080 at 100 m/s - 1 ENT - TLD (900) - Prima - MCLQC:TLIFT			
PROJECT		Conf. No. : 78LL1000	
NAME : No. 1 Northood Avenue,		DUTY : 630 Kg	
ADDRESS : Santry,		PERSONS : 8	
: Dublin.		SPEED : 1 m/s	
ILS INSTALLATION DRAWING			
Drawn By	P. Smith	Drawing Number	78LL1000
Checked By	Team	Sheet No.	3-6
Prelim. Date	06/11/2006	REVISION	



U.S. TO SUPPLY AND FIT LIFT WELL FASCIA PLATES TO COMPLY WITH B.S. EN81 - 1 : 1998. CLAUSE 7.2. FASCIA PLATES REQUIRE TO BE IN LINE WITH THE OUTER EDGE OF THE LANDING SILL AND WIDE ENOUGH TO EXTEND 100mm EITHER SIDE OF THE CLEAR OPENING WIDTH OF LANDING ENTRANCES.



FIXED PIT LADDER FROM PIT FLOOR TO BOTTOM FFL SERVED, WITH SUITABLE HANDRAIL, BY OTIS. EMERGENCY STOP SWITCH IN PIT TO BE LOCATED AT A SAFE AND SUITABLE HEIGHT SO IT IS REACHABLE FROM THE LANDING AND THE PIT, BY OTIS.

TYPICAL PLAN OF CAR IN WELL

VALIDITY OF LAYOUT TO BE VERIFIED AT TIME OF ORDER

Revision	Date	Comments
1		NEW

PROJECT
 NAME : No. 1 Northood Avenue,
 ADDRESS : Santry, Dublin.
 DUTY : 630 Kg
 PERSONS : 8
 SPEED : 1 m/s

Title		ILS INSTALLATION DRAWING 2	
Drawn By	P. Smith	Drawing Number	78LL1000
Checked By	Team	Sheet No.	4-6
Prelim. Date	06/11/2006	REVISION	

2100mm HIGH LIFT CAR

IMPORTANT - FAILURE TO OBSERVE THESE NOTES MAY DELAY COMPLETION

ELECTRICAL NOTES

- 1/** PROVIDE PERMANENT ELECTRICAL POWER SUPPLY AN EARLY STAGE AS SPECIFIED BELOW AND IN OUR CONTRACT. NOTE - THIS IS REQUIRED FOR INSTALLATION PURPOSES.
 THERE SHALL BE PROVIDED 'BY OTHERS' (3 PHASE, EARTH AND NEUTRAL) 415V AC, 50 HZ, 5 WIRE ELECTRICAL SUPPLY CABLE INSTALLED, PHASED, TESTED AND TERMINATED IN A LOCKABLE NON FUSED ISOLATOR. THIS SUPPLY CABLE SHALL ENTER THE LIFT SHAFT AT THE TOP AND BE BROUGHT OUT ONTO THE LANDING ADJACENT TO THE LIFT ENTRANCE AT THE FLOOR WHERE THE CONTROL CABINET IS LOCATED. SEE LAYOUT DRAWING DETAIL FOR LOCATION OF CONTROL CABINET. THE MAINS CABLE TO THE ISOLATOR SHALL BE PROVIDED WITH 2M OF SPARE CABLE TO ENABLE IT TO BE RELOCATED WITHIN THE LIFT SHAFT WHEN THE LIFT IS INSTALLED. THE ISOLATOR SHALL BE TEMPORARILY INSTALLED ON A STEEL BACK PLATE AS SHOWN ON DETAIL A
- 2/** THERE SHALL BE PROVIDED 'BY OTHERS' AN ANALOGUE TELEPHONE LINE INSTALLED, TESTED AND TERMINATED IN A SOCKET SUITABLE FOR AN RJ11 PLUG. THIS CABLE SHALL ENTER THE LIFT SHAFT AT THE TOP FLOOR BELOW THE LANDING CONTROL CABINET
 IT SHALL HAVE A LENGTH OF 2M TO ENABLE THE POSITION OF THE CONNECTOR TO BE FINALISED BY THE LIFT INSTALLATION ENGINEER.
- 3/** PROVIDED 'BY ILS', A 240 Volt, 3 PIN SOCKET OUTLET IN THE PIT SOCKETS TO BE SUITABLY PROTECTED BY A 30 mA EARTH LEAKAGE DEVICE TO PROTECT PERSONS USING PORTABLE TOOLS.
- 4/** 'OTHERS' TO PROVIDE A TEMPORARY 110 Volt POWER SUPPLY AND LIGHTING FOR USE DURING THE INSTALLATION OF THE LIFT.
- 5/** ILS TO SUPPLY SUITABLE, MECHANICALLY PROTECTED 240V SHAFT LIGHT FITTINGS TO BE LOCATED 500mm ABOVE PIT FLOOR, 500mm BELOW TOP OF SHAFT, WITH SUFFICIENT INTERMEDIATE LAMPS TO ACHIEVE 50 LUX LIGHTING LEVELS AT ANY GIVEN POINT WITHIN THE TRAVEL OF THE LIFT SHAFT. MAXIMUM PROJECTION OF FITTINGS FROM THE WALL = 100mm. LIGHTS TO BE SWITCHED IN THE LIFT SHAFT AT PIT LEVEL AND AT THE TOP OF THE SHAFT.
- 6/** THE HOISTWAY TEMPERATURE IS TO BE MAINTAINED BETWEEN +5 & +4.0 degC.
 HEAT OUTPUT FROM LIFT EQUIPMENT = 0.86 Kw/Hour.
- 7/** ILS WILL PROVIDE SINGLE PHASE AND THREE PHASE PROTECTION WITHIN THE LIFT CONTROL EQUIPMENT AS STATED BELOW. THIS WILL PROVIDE OVERLOAD PROTECTION OF THE EQUIPMENT AND SUPPLY. ILS WILL DERIVE THE SINGLE PHASE LOAD FROM THE 3 PHASE SUPPLY. THE 3 PHASE MAINS CABLE SIZE SHALL BE SUITABLE TO CARRY THE CURRENTS STATED BELOW. SUITABLE SHORT CIRCUIT PROTECTION OF THE MAINS CABLE SHALL BE PROVIDED BY THE INSTALLER OF THE MAINS CABLE. THIS PROTECTION SHALL PROVIDE SUITABLE DISCRIMINATION FROM THE ILS OVERLOAD PROTECTION DEVICE.
- 8/**

MACHINE	STARTING	FULL LOAD CURRENT	OVERLOAD (A)	HEAT REALEASE (kJ/s)
GEN2	14.8	10.1	16 3 PHASE	1.35
LIGHTING			16 SGL PHASE	

9/

ALL SUPPLY CABLES PROVIDED BY OTHERS SHOULD BE CALCULATED IN ACCORDANCE WITH BS7671 (16th EDITION OF THE IEE REGULATIONS) THE MAXIMUM ALLOWABLE VOLTAGE DROP DUE TO LIFT STARTING, CALCULATED FROM THE SUBSTATION TO MACHINE ROOM ISOLATOR IS 2.5% OF NOMINAL SUPPLY VOLTAGE
 TELEPHONE LINE FOR REM
 AN ALARM BELL IS NO LONGER REQUIRED ACCORDING TO BSEN81 LIFT STANDARD BUT A TWO WAY MEANS OF COMMUNICATIONS IS A LEGAL REQUIREMENT. TO MEET THIS REQUIREMENT WE WILL PROVIDE AN REMOTE ELEVATOR MONITORING SYSTEM (REM). FOR THIS TO OPERATE YOU ARE REQUIRED TO HAVE INSTALLED, WORKING TELEPHONE LINE. THIS MUST BE IN PLACE PRIOR TO TESTING OF THE LIFT


10/

LIGHTING AT ALL LANDING LEVELS
 OTHERS TO SUPPLY SUITABLE LIGHTING AT ALL LANDING LEVELS TO ENSURE A MINIMUM OF 50 LUX, AT FLOOR LEVEL IN THE VICINITY OF THE ENTRANCE A MINIMUM OF 200 LUX, AT FLOOR LEVEL IN THE VICINITY OF THE TOP ENTRANCE CONTROL CABINET

11/

VALIDITY OF LAYOUT TO BE VERIFIED AT TIME OF ORDER

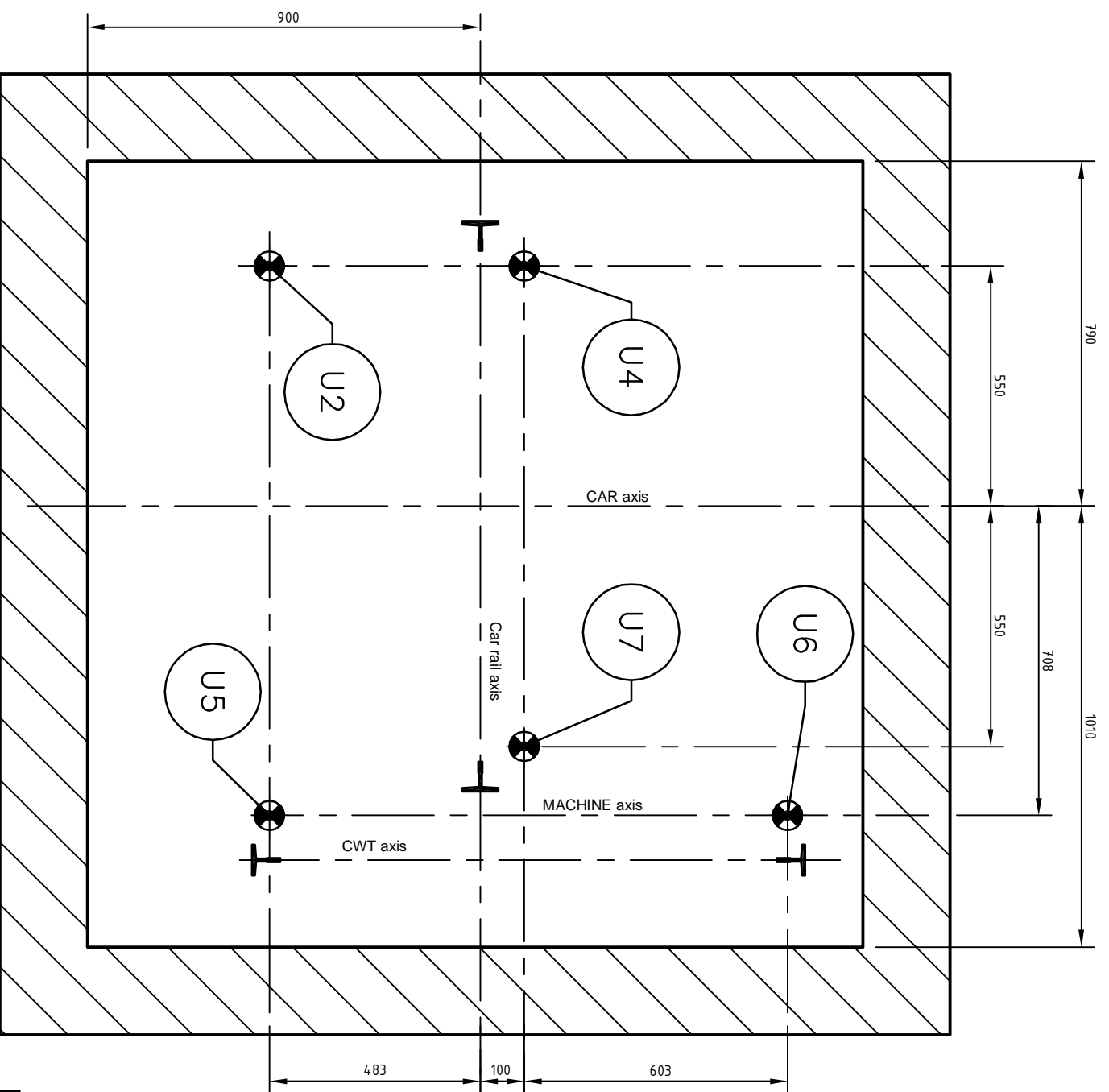
Date	Revision	Comments

 <p>RISH LIFT SERVICES LIMITED 43 ARMAV'S INDUSTRIAL ESTATE SANTRY, DUBLIN 17 TELEPHONE (033-1) 86 331 FACSIMILE (033-1) 86 330</p>	<p>Model: GF0802U0 080 at 100 m/s - 1 ENT - 1LD (900) - Prima - MCLQC:TLIFT</p>
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PROJECT
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 ADDRESS : Santry,
 : Dublin.

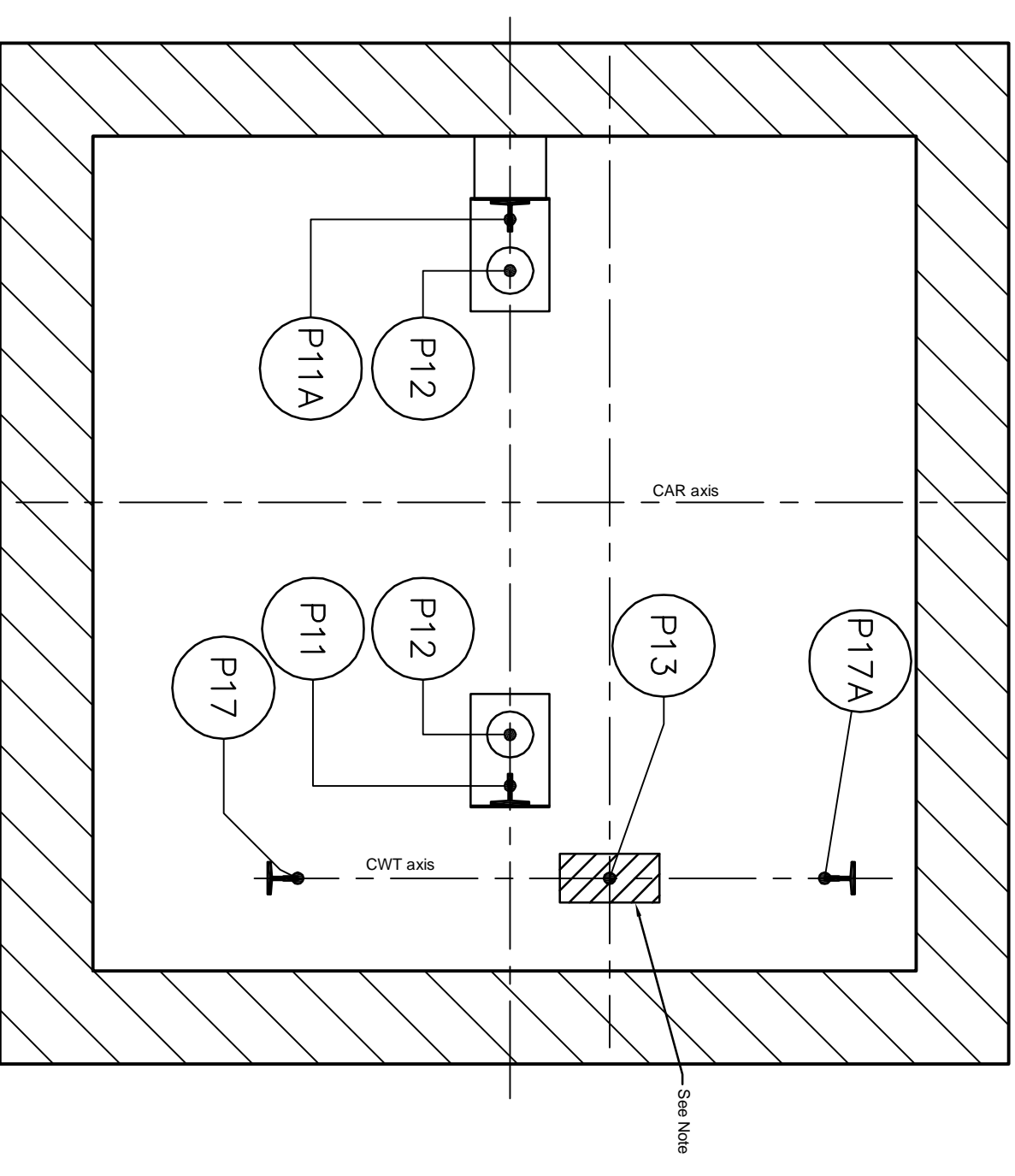
DUTY : 630 Kg
 PERSONS : 8
 SPEED : 1 m/s

Title		GENERAL NOTES	
Drawn By	P. Smith	Drawing Number	78LL1000
Checked By	Team	Sheet No.	5-6
Prelim. Date	06/11/2006	REVISION	

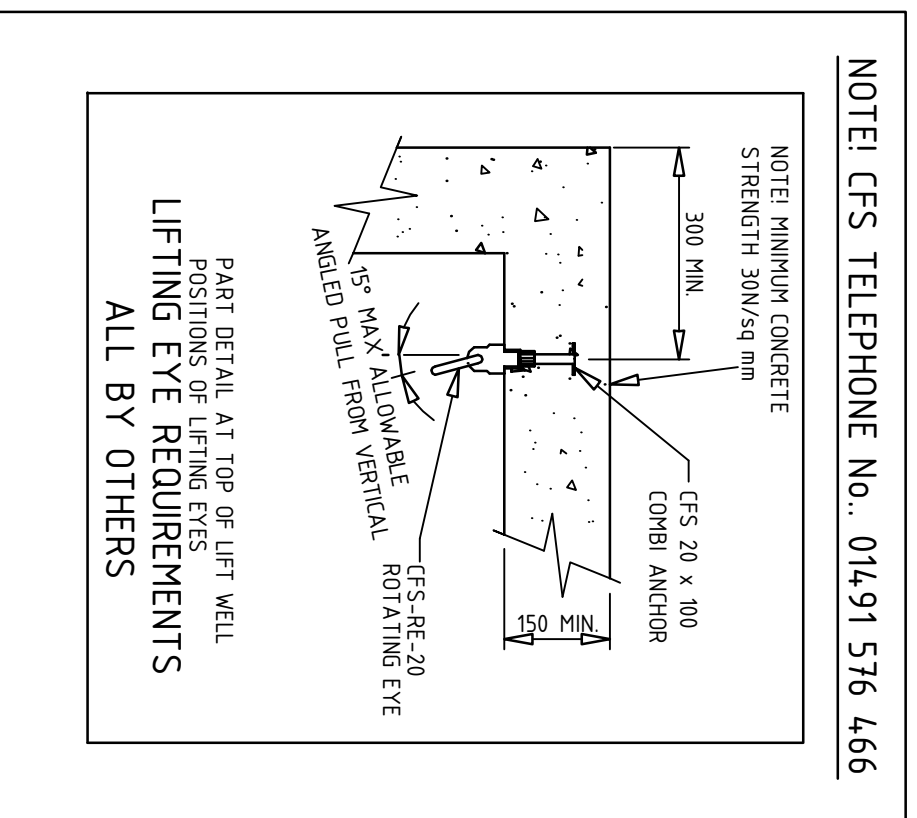


LIFTING EYES POSITIONS AT TOP OF SHAFT

DEH RAILS HOISTING AND DEH RAILS SUSPENSION MACHINE AND RAILS SUSPENSION CARFRAME HOISTING	LIFTING EYE LOADS LOCATION	SWL (kN)	REACTIONS (N) ON PIT BASE
	U2	10	P11 25000
	U4	20	P11A 21000
	U5	20	P12 29600
	U6	20	P13 45500
	U7	20	P17 15000
		10	P17A 23000



Note : : Flat area for buffer abutment
LOADS AT LIFT PIT BASE



NOTE: CFS TELEPHONE No.. 01491 576 466

REACTIONS (N)	
R1	596
R2	700

NOTE :-
LOADS R1 AND R2 ARE TRANSFERRED BACK TO THE SHAFT WALLS BY THE LIFT GUIDE FIXINGS AT THE VERTICAL CENTRES SHOWN IN THE SHAFT ELEVATION.

GENERAL NOTES
UNDER THE LIFT REGULATIONS 1997 THE MANUFACTURER IS REQUIRED TO SIGN A WRITTEN DECLARATION STATING THAT THE LIFT IS IN COMPLIANCE WITH THE REGULATIONS AND IS SAFE. THIS DECLARATION MUST BE SIGNED BEFORE THE LIFT IS USED BY ANYONE OTHER THAN LIFT ENGINEERS. FAILURE TO COMPLETE THE WORK MARKED AS "BY BUILDER OR "BY OTHERS" WILL PREVENT THE DECLARATION BEING SIGNED AND THEREFORE PREVENT THE USE OF THE LIFT. IF IT IS PLANNED THAT THE LIFT IS USED UNDER BUILDERS SERVICE IT MUST BE ENSURED THAT ALL WORKS ARE COMPLETED. IT IS NOT PERMISSIBLE FOR ANY OTHER SERVICE TO BE PRESENT IN THE LIFT SHAFT THIS INCLUDES, BUT IS NOT LIMITED TO, RAINWATER PIPES, VENTILATION DUCTS, ELECTRICAL TRUNKING NOT FOR LIFT USE, FIRE ALARM CABLES, CCTV CABLES, ETC.

VALIDITY OF LAYOUT TO BE VERIFIED AT TIME OF ORDER	
Date	Revision
Model: GF0802UO DO NOT SCALE THIS DRAWING	
080 at 100 m/s - 1 ENT - 1LD (900) - Prima - MCLQC:THLFT	
PROJECT NAME : No. 1 Northood Avenue, ADDRESS : Santry, Dublin. PERSONS : 8 SPEED : 1 m/s	
Title: ILS BUILDERS SHAFT 2 DRAWING	
Drawn By: P. Smith Checked By: Team Prelim. Date: 06/11/2006	Drawing Number: 78LL1000 Sheet No.: 6-6 REVISION