

21st century technologies and materials with 21st century objectives

- Energy efficiency
- Environmental responsibility
- Passenger Safety
- Revolutionary coated belts
- Durable quiet controller
- Highly sophisticated Remote Elevator Monitoring (REM®) optional
- Increased usable space
- Streamlined architectural profile
- Superior ride quality
- Compact, energy efficient gearless machine
- Permanent magnet motor
- Precision engineered governor
- Variable speed door control
- Smooth & comfortable ride

Experience a quiet, smooth ride and benefit from engineering innovation and design

Suitable for Residential and Commercial applications

### Catalogue Layout

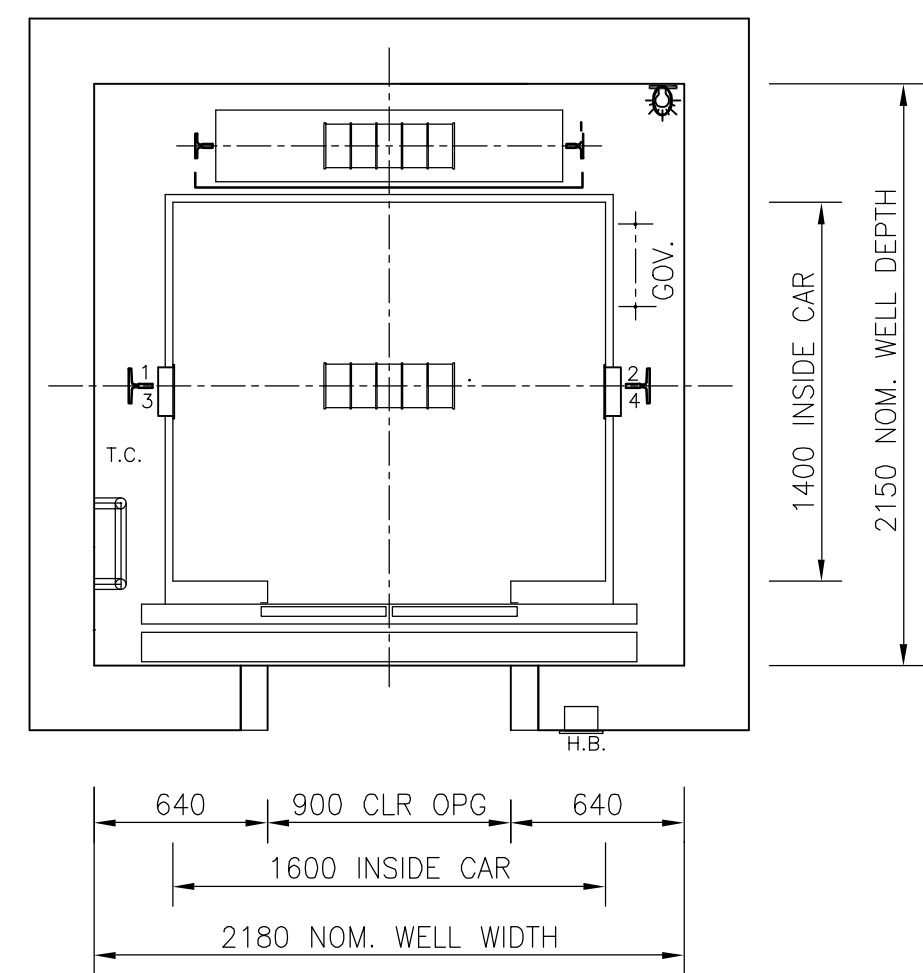
This design tool illustrates hoistway dimensions for the **Gen2™** elevator system

This is design information only – not to be used for construction purposes

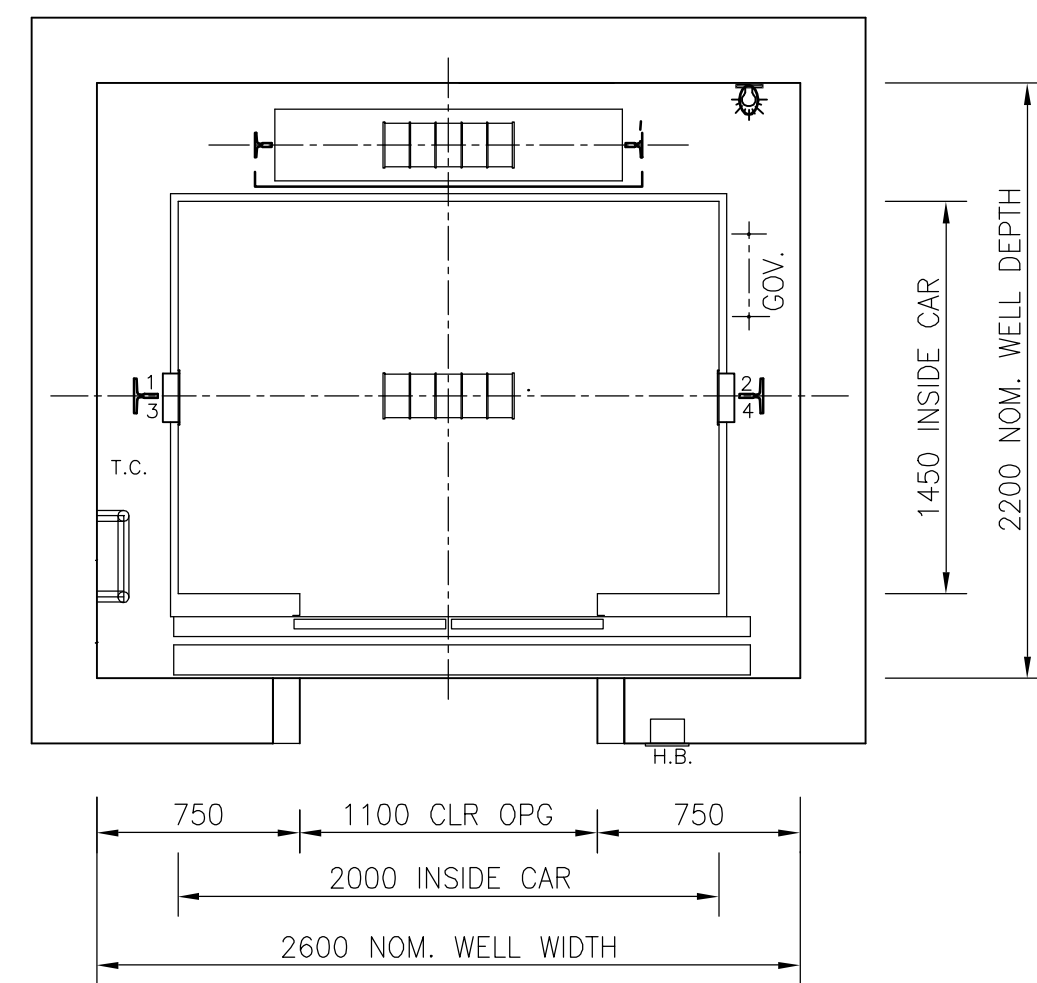
Please contact Otis for full **Gen2™** layout information

Otis Elevator Company Pty Ltd has offices throughout Australia

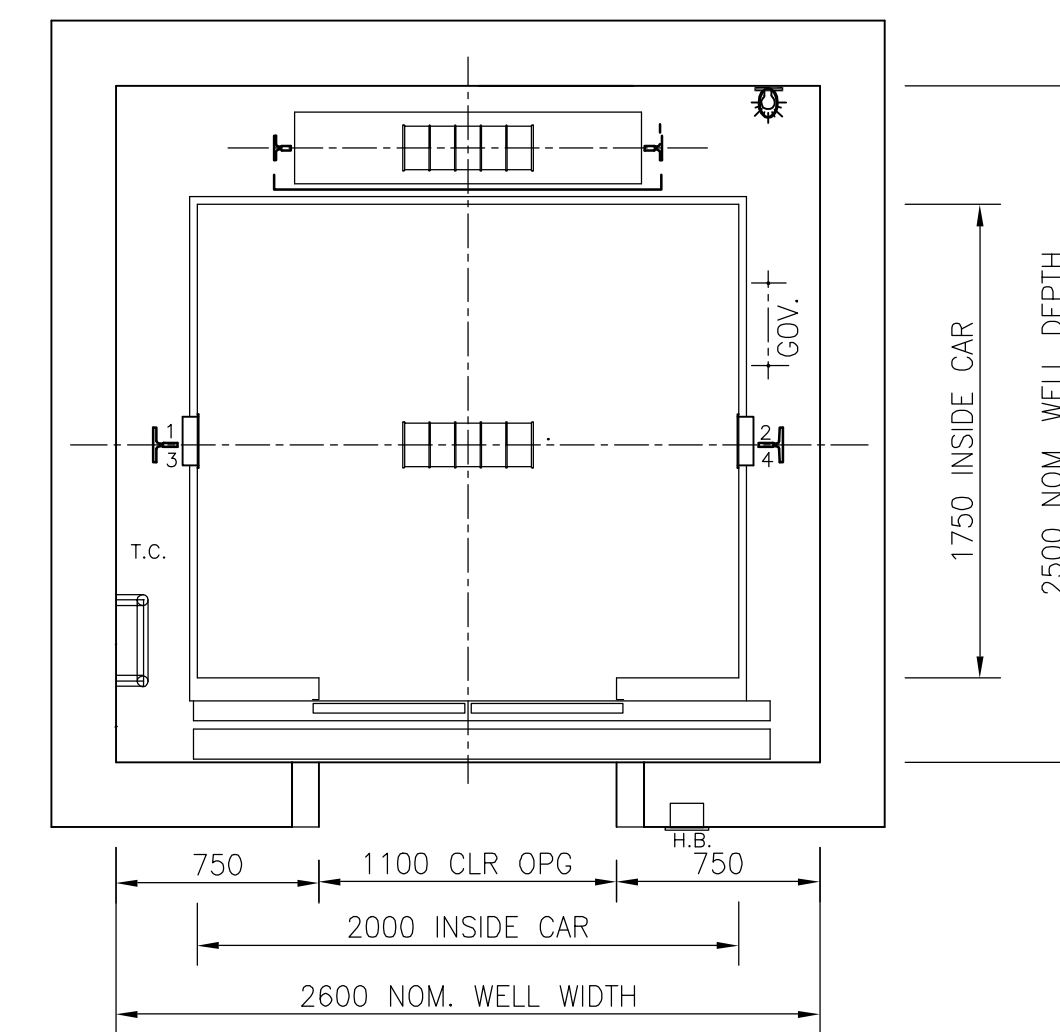
[www.otis.com](http://www.otis.com)



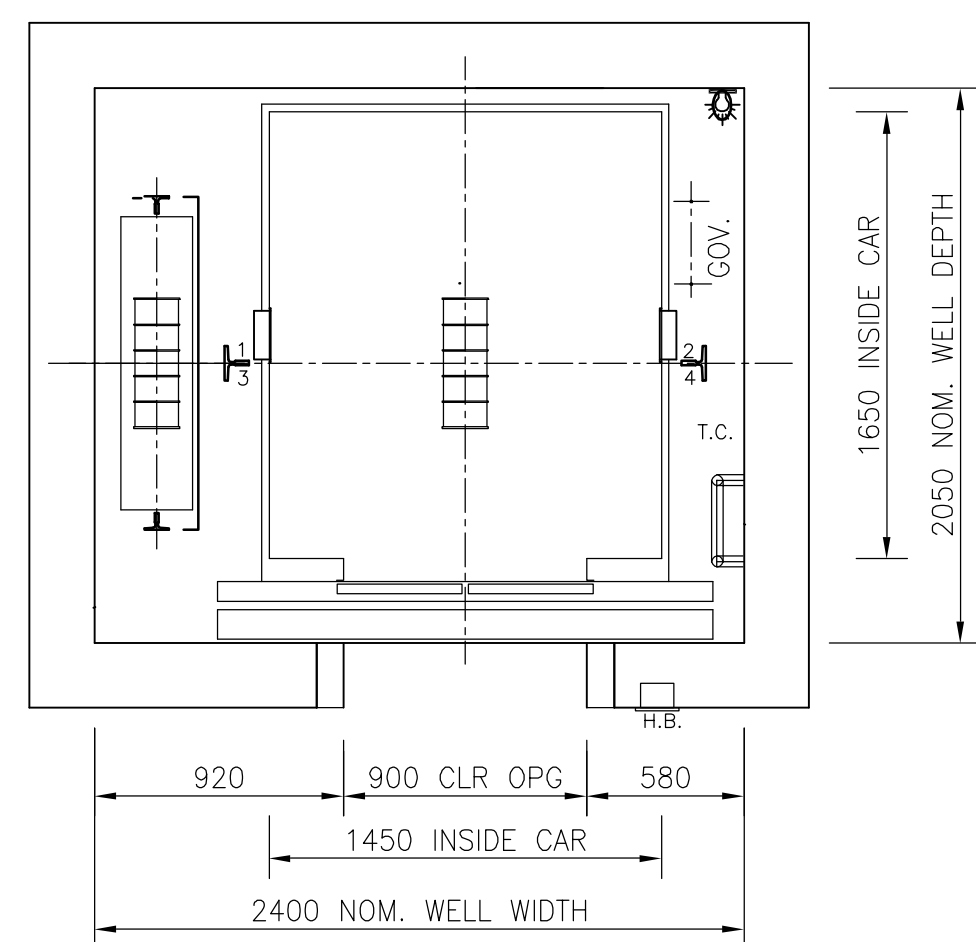
13 PERSON 1000kg DUTY WIDE CAR



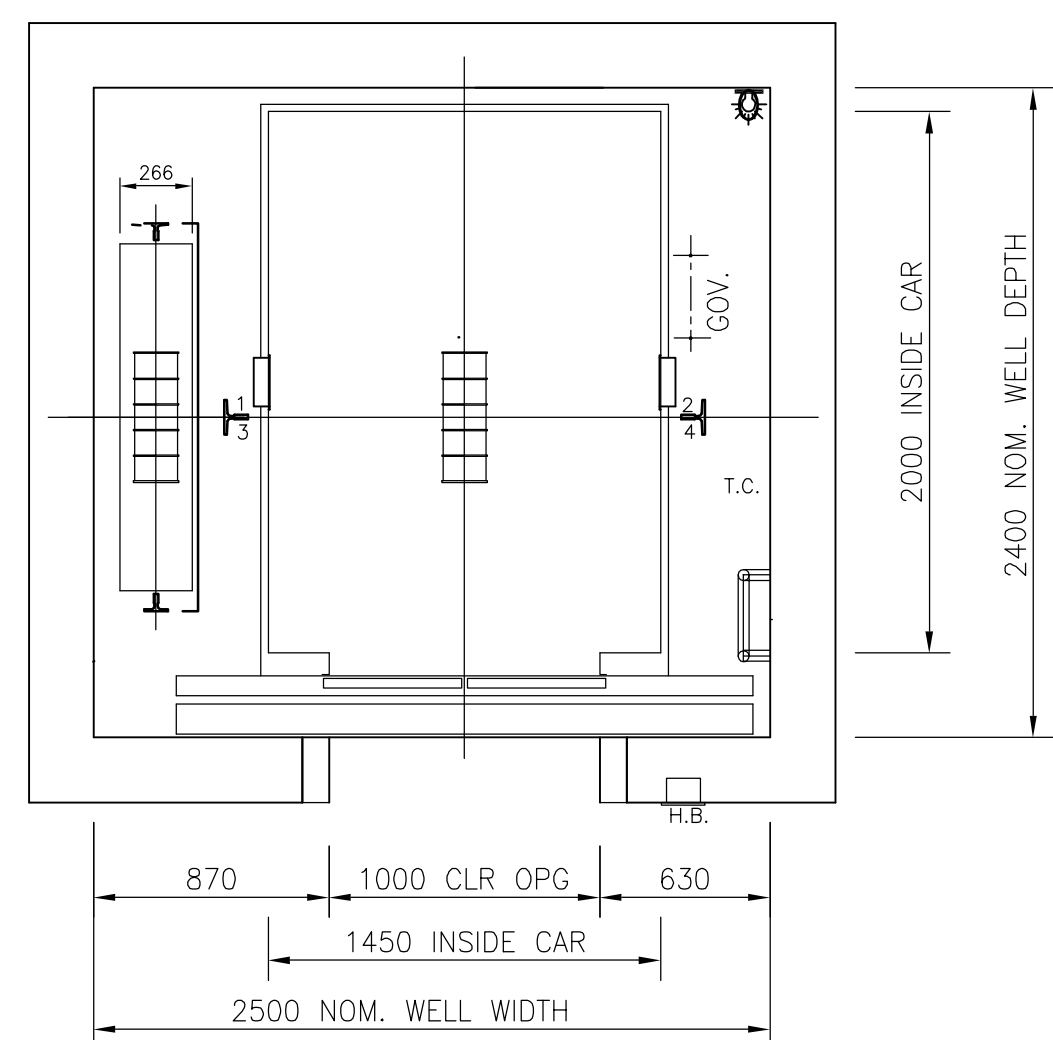
17 PERSON 1300kg DUTY WIDE CAR



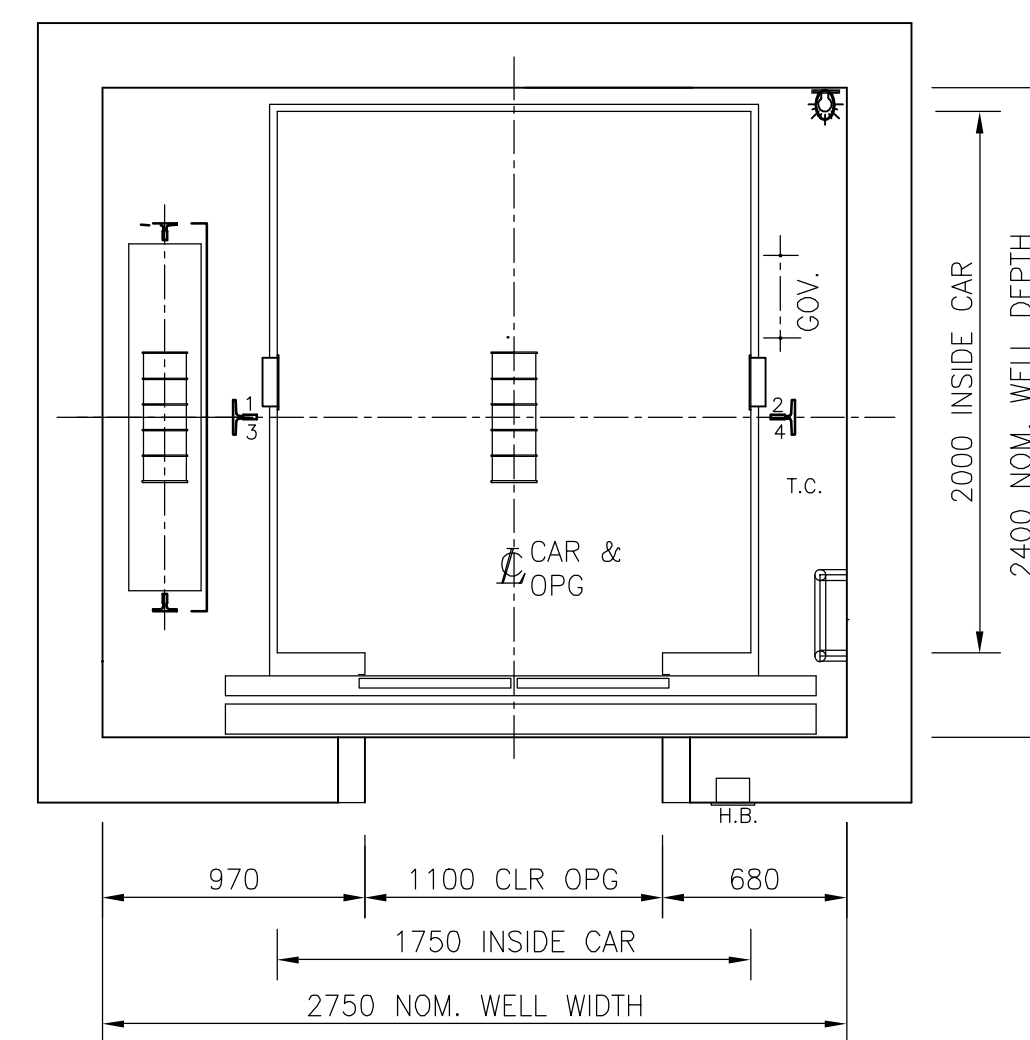
21 PERSON 1600kg DUTY WIDE CAR



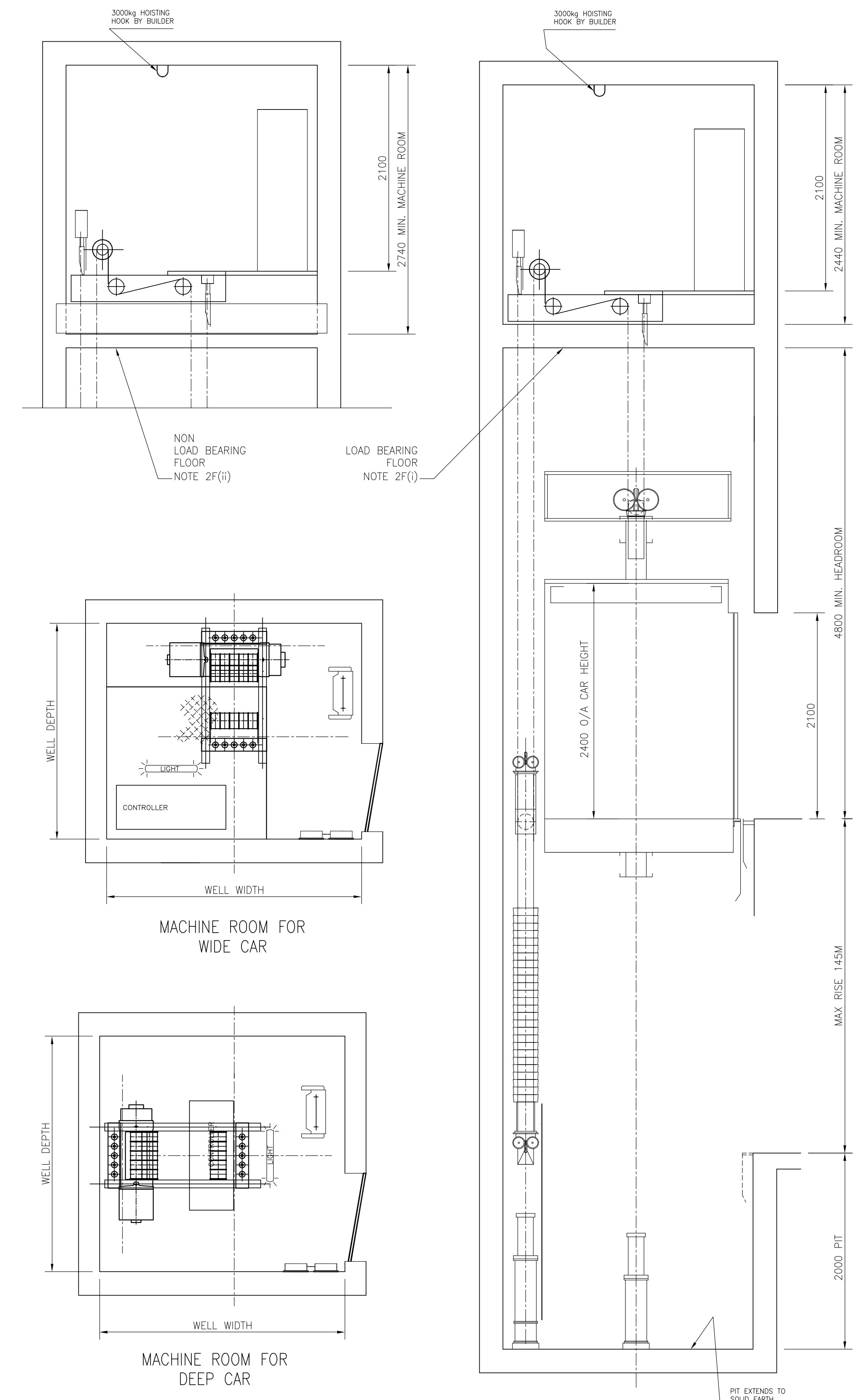
14 PERSON 1050kg DUTY DEEP CAR



17 PERSON 1300kg DUTY DEEP CAR



21 PERSON 1600kg DUTY DEEP CAR



#### Note:

These dimensions assume a concrete hoistway structure  
All centre opening doors  
Opposite machinery location available  
Two, Three and Four car arrangements available  
For Australian based applications

FOR ITEMS TO BE PROVIDED BY PURCHASER REFER TO SHEET 2

## Gen2™ LUX

SPEED 2.5mps  
WITHOUT COUNTERWEIGHT SAFETY  
DRG.No.L-7-DESIGN INFORMATION

## OTIS

SHEET 1 OF 2

DATE: NOV' 2005

Dwg:

ALL RIGHTS RESERVED

TO BE PROVIDED BY PURCHASER

### **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 SOLID EARTH.)
- (C) (i) BUILDING IN OF INSERTS FLUSH WITH FACE OF FINISHED HOISTWAY WALL FOR FIXING RAIL BRACKETS AND HOISTWAY DOOR 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 AND DO ALL CUTTING OF WALLS, FLOORS OR PARTITIONS TOGETHER WITH BUILDING WORKS THAT MAY BE NECESSARY, AFTER INSTALLATION OF FIXTURES 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 AND MACHINE ROOM.)
- (G) A SUMP AND COVER IN PIT TO COMPLY WITH 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 NOMINATED BY OTIS.
- (K) WELL LIGHTING WHERE REQUIRED BY STATUTORY BODY.

### **2. MACHINE ROOM:**

- (A) A CLEAN COMPLETED MACHINE ROOM TO LOCK-UP STAGE WITH SUITABLE ACCESS, LIGHTING AND MECHANICAL VENTILATION. THE VENTILATION SHALL COMPLY WITH S.A.A. LIFT CODE PART 1 RULE 6.3.5 AND BE SHALL BE DESIGNED TO LIMIT THE TEMPERATURE TO A MAXIMUM OF 34°C.
- (B) MACHINE ROOM ACCESS DOOR LOCK, CLOSER AND NOTICE TO COMPLY WITH LIFT CODE.
- (C) A FIRE EXTINGUISHER.
- (D) A LIFTING EYE IN MACHINE ROOM TO SUPPORT 3000 KG MAXIMUM LOAD SIGNWRITTEN TO COMPLY WITH LOCAL REGULATIONS.
- (E) REINFORCED CONCRETE FLOOR SLAB TO COMPLY WITH LIFT CODE AND REGULATIONS.
- (F) (i) A LOAD BEARING MACHINE ROOM FLOOR SLAB TO SUPPORT THE MACHINE RAFT AND WITHSTAND THE APPROPRIATE REACTIONS. **OR**  
(ii) A NON LOAD BEARING MACHINE ROOM FLOOR SLAB TO COMPLY WITH LIFT CODE AND REGULATIONS.
- (G) SPRINKLER OF THE DRY HEAD TYPE TO COMPLY WITH LOCAL REGULATIONS.

### **3. POWER:**

- (A) THE PROVISION OF MACHINE ROOM LIGHTING AND POWER OUTLET AS REQUIRED BY LIFT CODE. LOCATE LIGHT SWITCH ADJACENT TO MACHINE ROOM ENTRANCE.
- (B) 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).
- (C) PERMANENT POWER FOR INSTALLATION AND COMMISSIONING OF THE INSTALLATION TO BE AVAILABLE AT THE TIME OF COMMENCEMENT OF OTIS WORK IN THE MACHINE ROOM.  
MAXIMUM DEMAND:  
RISER: PER LAYOUT  
POWER SUPPLY TO BE 3 PHASE, 50 HERTZ, 4 WIRE, 400 VOLT.  
NEUTRAL PER LAYOUT.  
RATING OF MAINS PROTECTIVE DEVICE TO BE GREATER THAN THE RATING OF LIFT MACHINE ROOM CIRCUIT BREAKER.

### **4. 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, INCLUDING ANY NECESSARY RETOUCHING, AND MASONARY, WOODWORK, ETC. NOT INCLUDED IN THE LIFT CONTRACT.
- (D) PROVIDE AND INSTALL CAR FLOOR COVERING WHICH COMPLIES WITH LOCAL FIRE REGULATIONS MAXIMUM THICKNESS 30mm.
- (E) THE USE OF TELEPHONE AND SANITATION FACILITIES ON SITE.

### **LIMITATIONS**

- (A) HOISTWAY DIMENSIONS PER DIAGRAM.
- (B) MINIMUM FLOOR HEIGHT – 2500
- (C) LOCATION OF MACHINE – ABOVE
- (D) ABUTMENT OF THE COUNTERWEIGHT – SOLID EARTH

### **Note:**

Within 2 weeks of acceptance of an Otis offer – customer shall provide Otis with signed approvals for car finishes

**Gen2™ LUX**

SPEED 2.5mps

WITHOUT COUNTERWEIGHT SAFETY

DRG.No.L-7-DESIGN INFORMATION

DATE: NOV' 2005

Dwg:

ALL RIGHTS RESERVED

**OTIS**

SHEET 2 OF 2