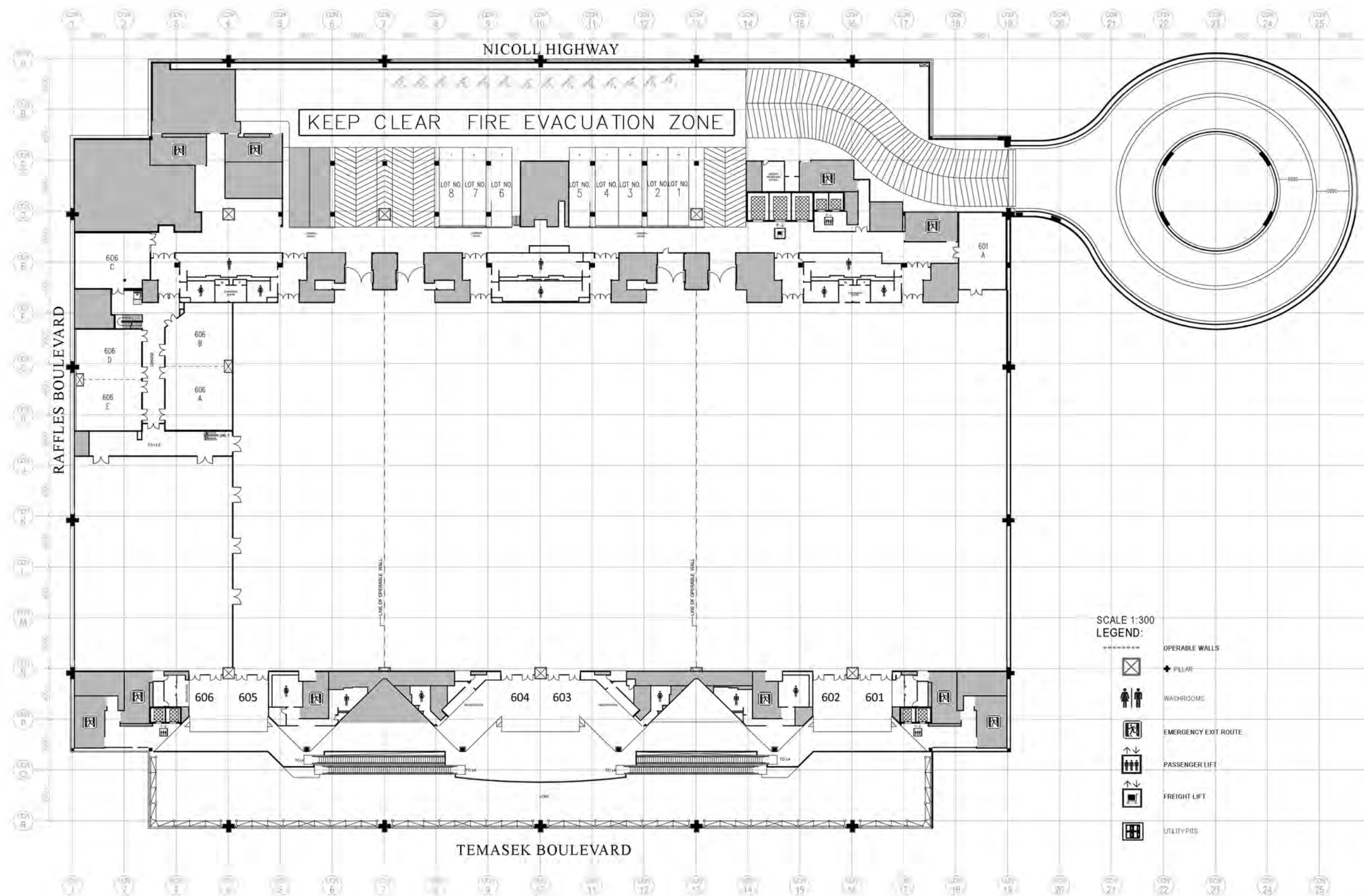
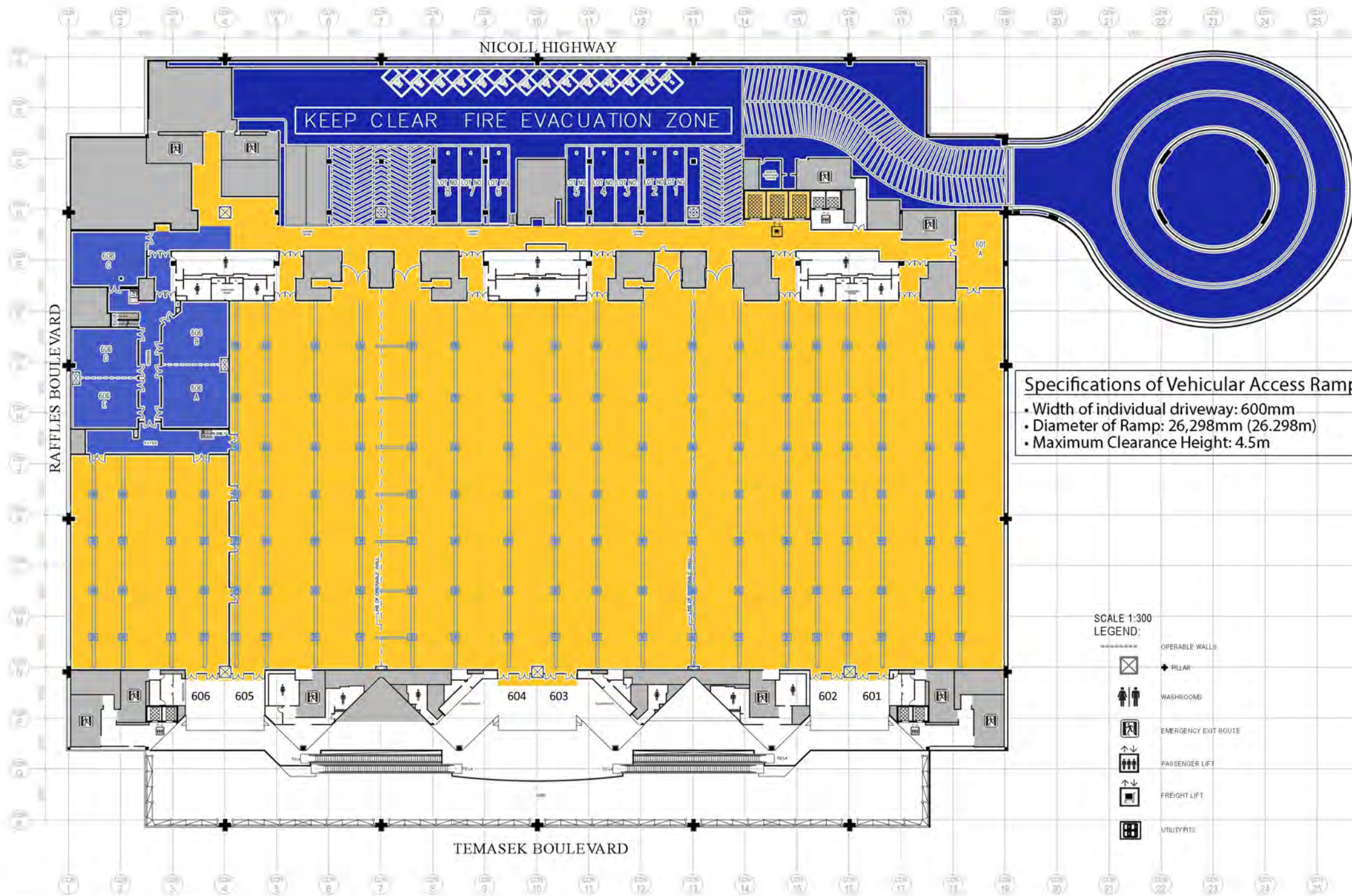


- 
- A detailed architectural sketch of the Suntec Singapore Convention & Exhibition Centre, specifically Level 6. The drawing shows a large, modern building with a complex, multi-tiered roof structure featuring several prominent triangular peaks. The facade is composed of large glass panels and solid wall sections. The building is situated in an urban environment, with a street and other structures visible in the background. The sketch is rendered in a light, line-art style.
1. General Floor Plan
 2. Loading & Utility Pits Specifications Plan
 3. Door Dimensions (I)
 4. Door Dimensions (II)
 5. Mechanical & Electrical Risers Specifications & Layout
 6. Truss System Specifications & Layout
 7. Reflected Ceiling & Lighting Plan





FLOOR LOAD CAPACITY

- Floor Load Capacity: 5.0 KN/m² (100lb/sq ft)
* If the area is required to be carpeted, the carpet tiles will be laid before the moving-in.
- Floor Load Capacity: 17.5 KN/m² (350lb/sq ft)
- Container Vehicular Ramp: 10.0KN/m² (200lb/sq ft)
- Loading & Unloading Bays: 10.0KN/m² (200lb/sq ft)
- Service Vehicle Lots: 10.0KN/m² (200lb/sq ft)

TECHNICAL SPECIFICATIONS FOR FREIGHT ELEVATORS

- System: Traction
- Speed: 0.5m/s (1.64 Ft/s)
- Capacity: 7,000kg/7 tonnes (15,400 lbs)
- Level Served: Basement 1, Level 2 to 4 & Level 6 (2 elevators)
Basement 2 to Level 4 & Level 6 (1 elevator)
- Interior Dimensions: 2.5m (W) x 4.35m (D) x 3.1m (H)
[8.2ft (W) x 14.3ft (D) x 10.2ft (H)]
- Door Size: 2.5m (W) x 2.8m (H) [8.2ft (W) x 9.2ft (H)]

UTILITY PIT & TRENCH SYSTEM

Wet Compartment

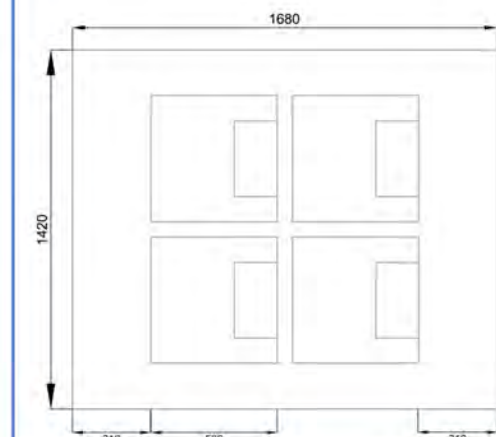
- Utility Pit: 600mm (L) x 600mm (W) x 725mm (H)
- Trench: 175mm (W) x 200mm (H)
- 1 x 25mm (1") diameter water outlet at 2-3 bar pressure (29~43.5 psi). Total water supply to the Hall will be 9 L/S (118GPM).
- 1 X 25mm diameter hose reel water supply outlet is located between gridline J & K for the installation of temporary hoses to satisfy FSSD requirements.
- 1 x 100mm diameter floor drain (2")
- 1 x 100mm diameter drain point (2")
- 1 x 20mm diameter compressed air outlet at 4-6 bar pressure. The maximum total air supply will be 150 L/S for the Hall, (25/32") (58-87 psi),(317 CFM).

Electric Compartment

- Utility Pit: 850mm (L) x 1300mm (W) x 725mm (H)
- Trench: 275mm (W) x 200mm (H)
- 2 x 60 Amp TPN Outlets: 400 volts
- 2 x 30 Amp TPN Outlets: 400 volts
- 1 x 30 Amp DP Outlet: 230 volts

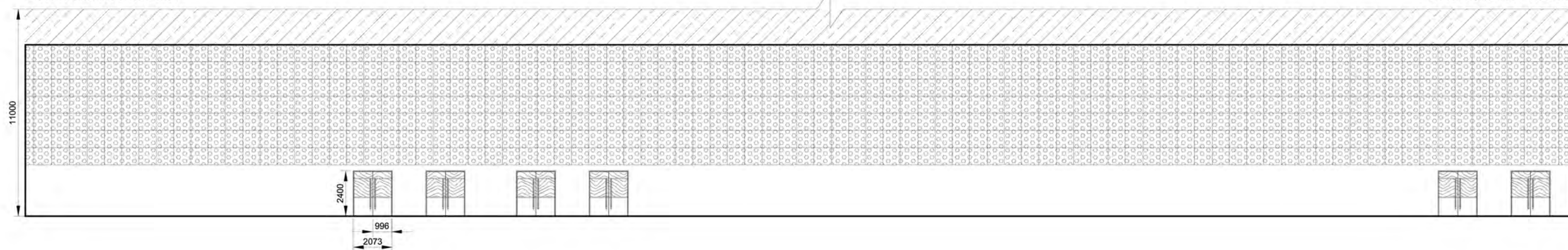
ELV Compartment

- Utility Pit: 600mm (L) x 600mm (W) x 725mm (H)
- Trench: 100mm (W) x 200mm (H)
- 1 x PVC water proofed enclosure
- 4 x twin telephone outlet
- 1 x spare outlet complete with ten pairs of telephone cables
- Microphone outlets at every second utility pit



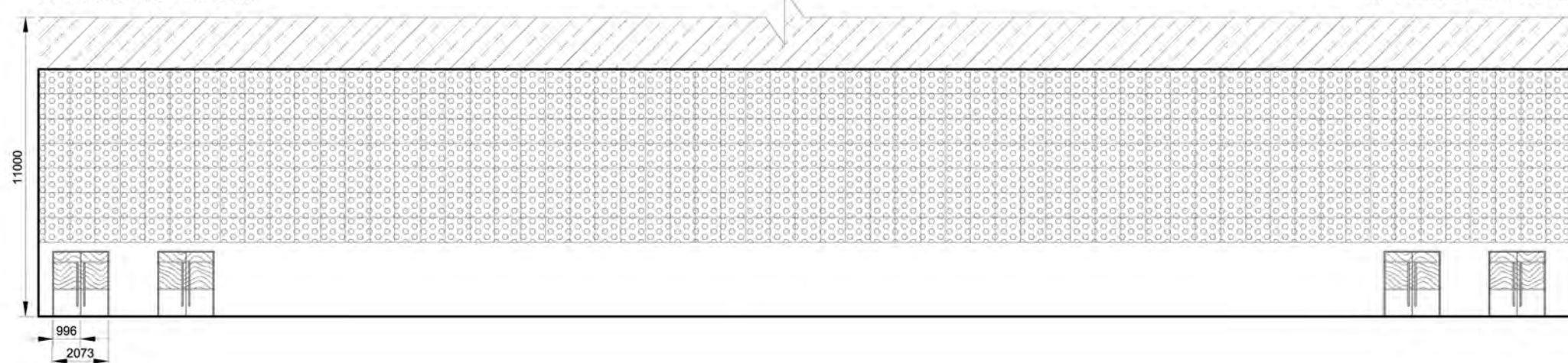
WALL 1A
ENTRANCE TO HALL 601

ENTRANCE TO HALL 603



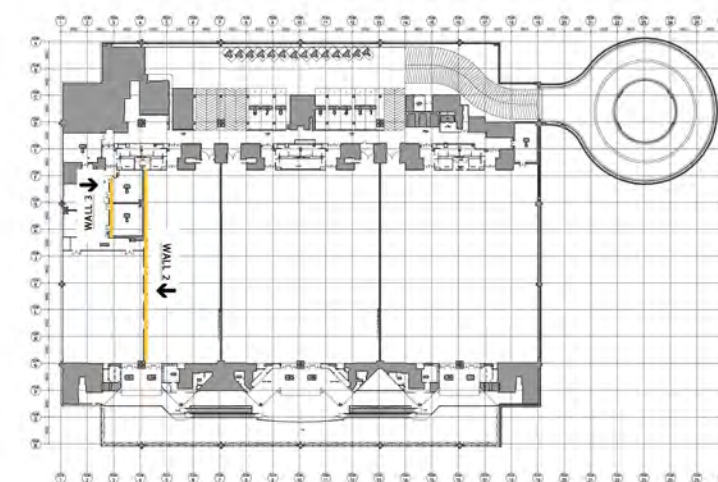
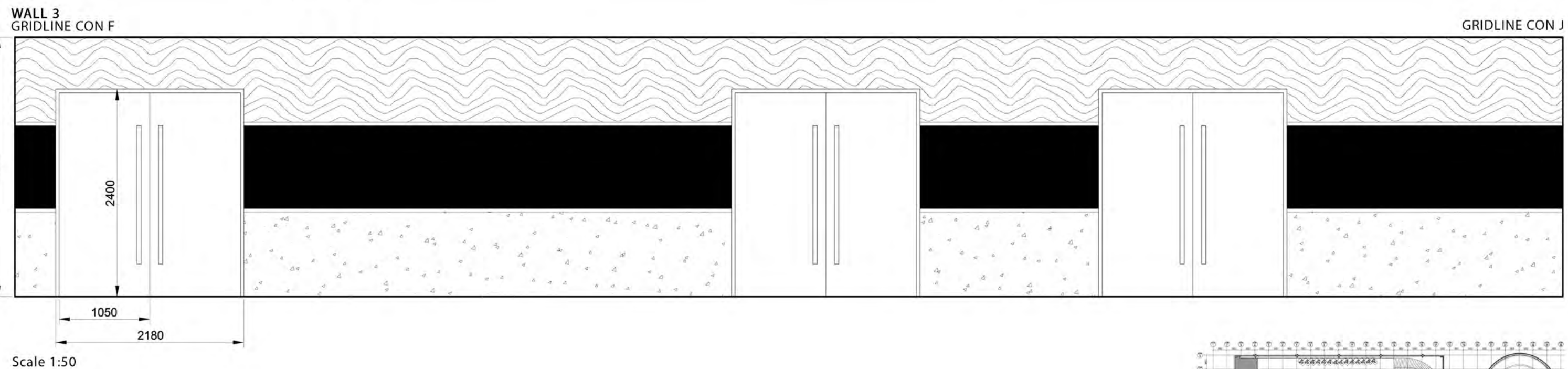
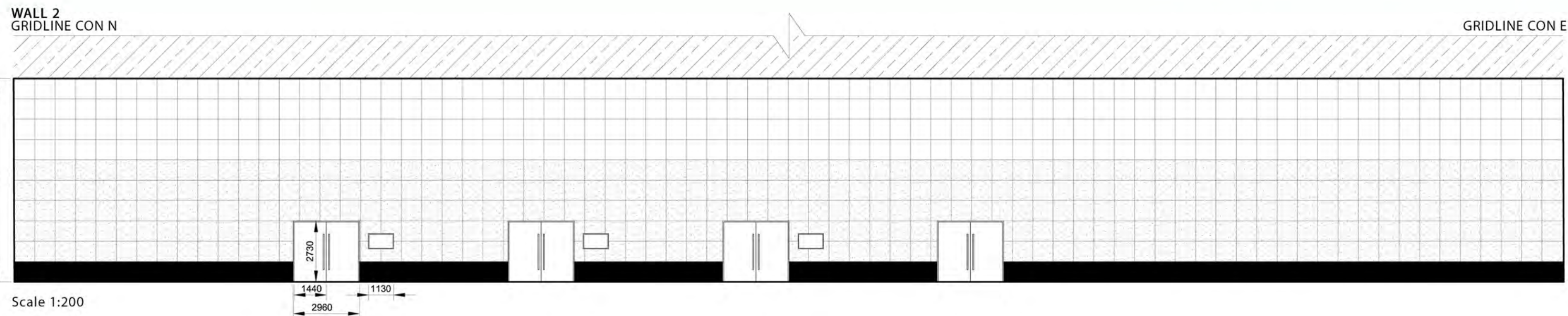
WALL 1B
ENTRANCE TO HALL 604

ENTRANCE TO HALL 605



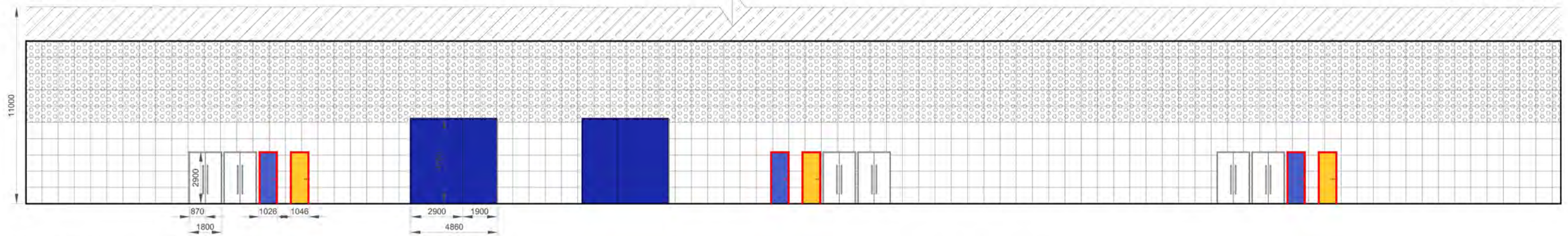
Scale 1:220





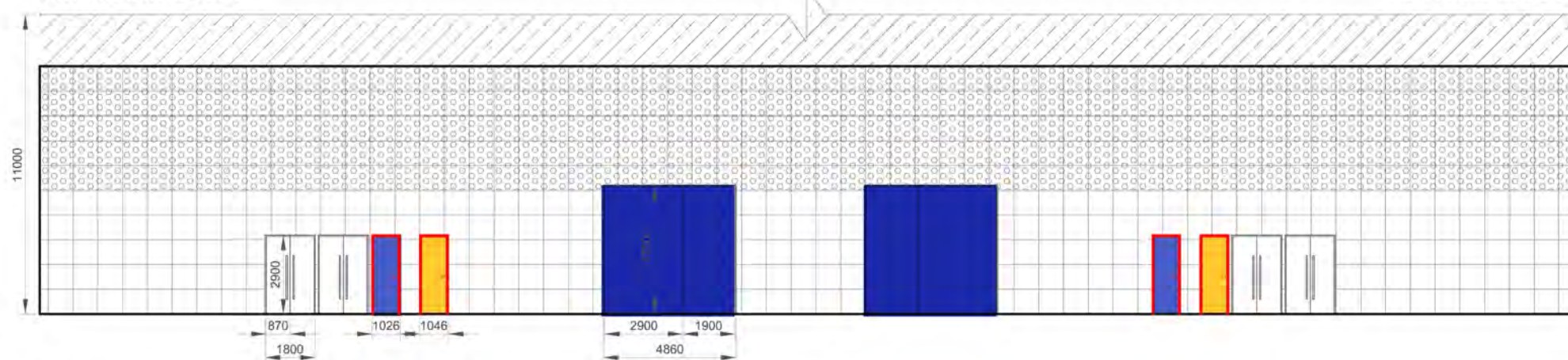
WALL 4A
EXIT FROM 603

EXIT TO HALL 601



WALL 4B
EXIT FROM HALL 605

EXIT FROM HALL 604



Scale 1:220

M&E Risers Specifications

Electrical Riser

- 1 x 100A TPN Isolator
- 1 x 200A TPN Isolator
- 1 x 300A TPN Isolator
- 1 x 400A TPN Isolator
- 1 x 13A SPN Socket Outlet

Mechanical Riser

Fume Extraction:

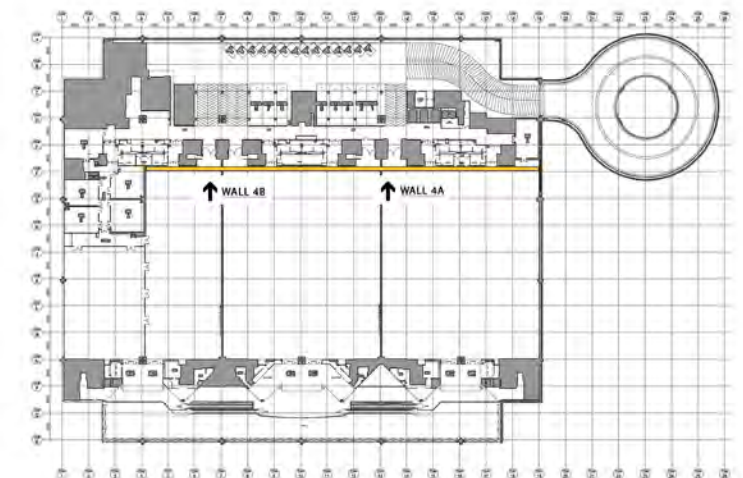
- 1 x Fume exhaust main duct
- 2 x tee-off points per hall, one at the high level and one at the low level
- 0.1m³/s (211 CFM) of fume per tee-off point
- Total fume extraction rate for hall will be 1.2m³/s (2500 CFM)

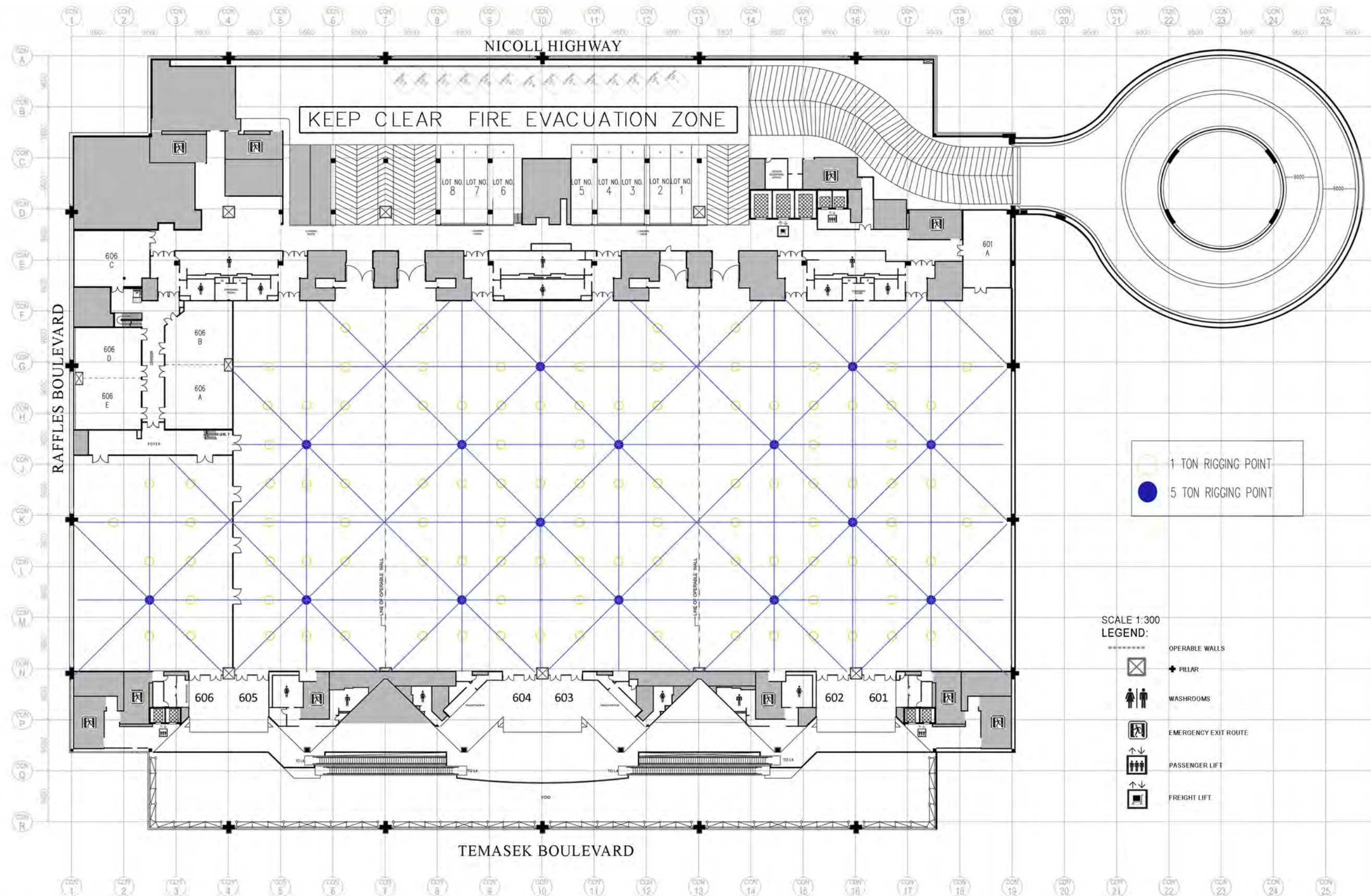
Auxiliary Cooling Water:

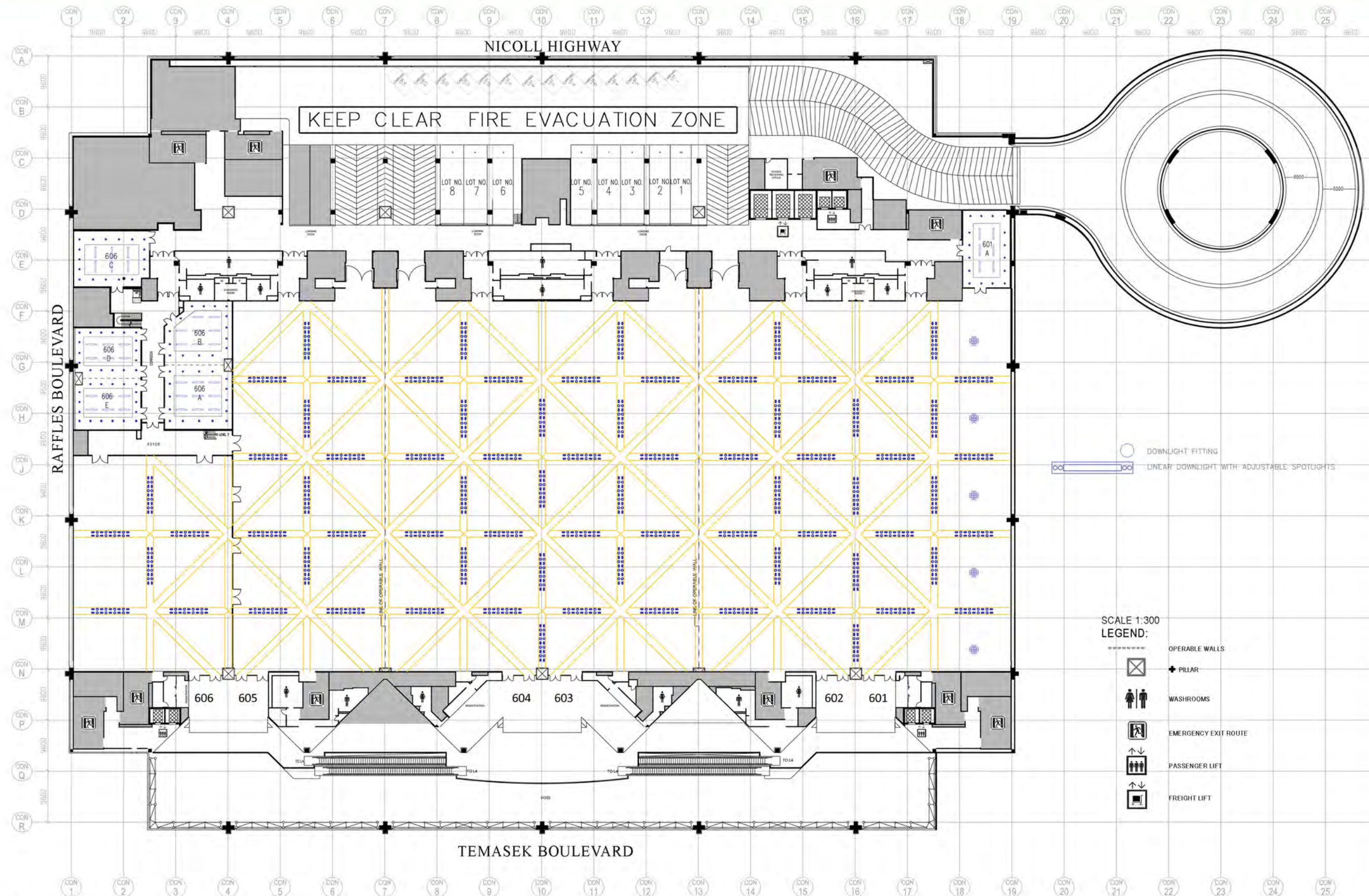
- 2 x 65mm (2¹⁷/₃₂") diameter auxiliary cooling water supply and return pipes with low level tee-off points at each hall
- Water Supply Pressure: 1-2 bar (14.5-29 psi)
- Water Supply Temperature: 32°C (89.6F)
- Total Cooling Capacity: 200TR at 37°C (98.6F)
- Water return temperature total water supply: 33.5L/s

Legend:

- Freight Doors
- Mechanical Risers
- Electrical Risers







Scale 1:650