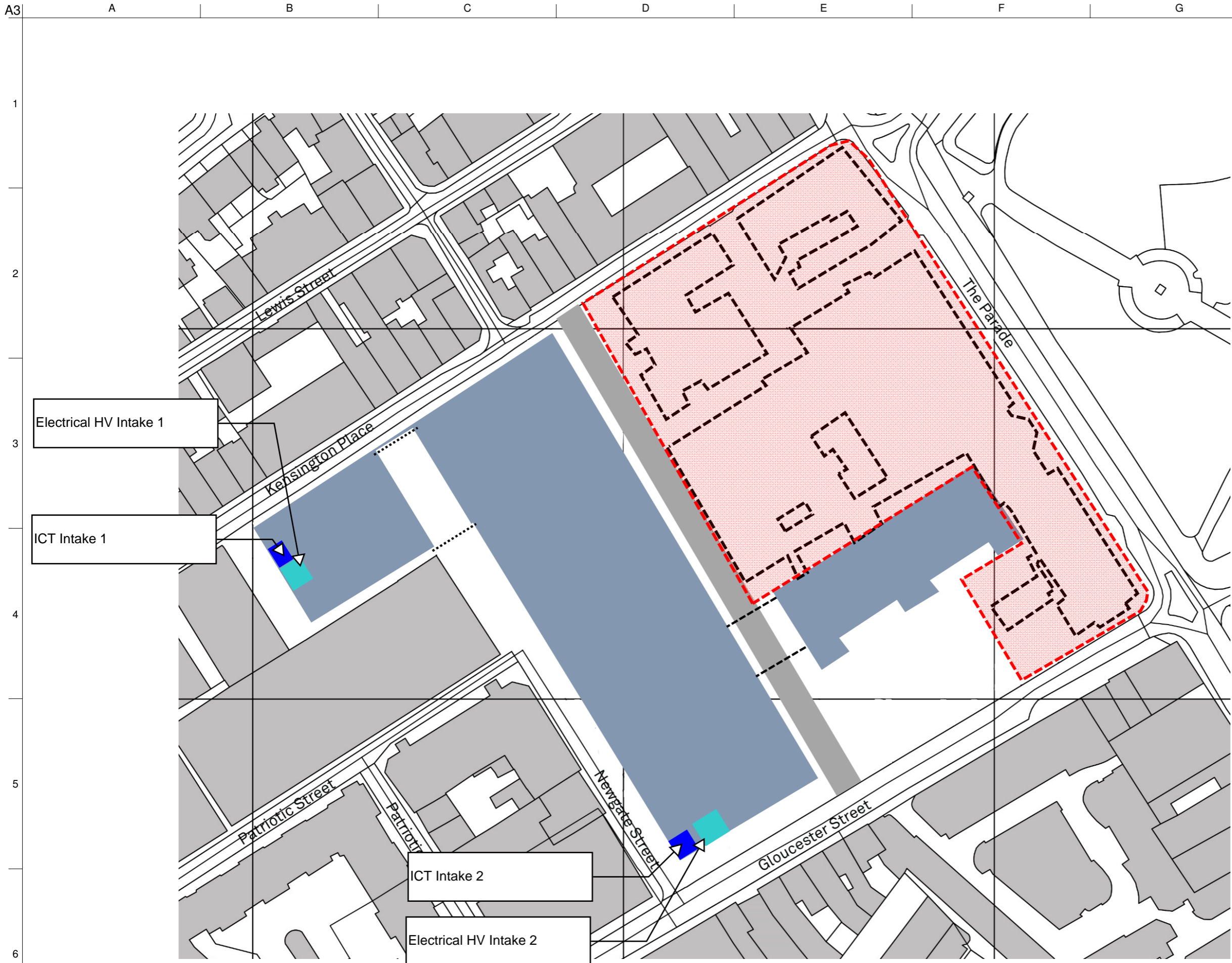

**JERSEY FUTURE HOSPITAL
CO025 – PROOF OF CONCEPT
SITE OPTION ADDENDUM
APPENDIX 12 ENGINEERING
SOLUTIONS**

QUALITY ASSURANCE

Sign off: Peter Thomas

Position: Project Manager



P1	275/06/16	PT	PT	DP
Final Preliminary Issue				
Issue	Date	By	Chkd	Appd

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Client
States of Jersey

Job Title
Jersey Future Hospital

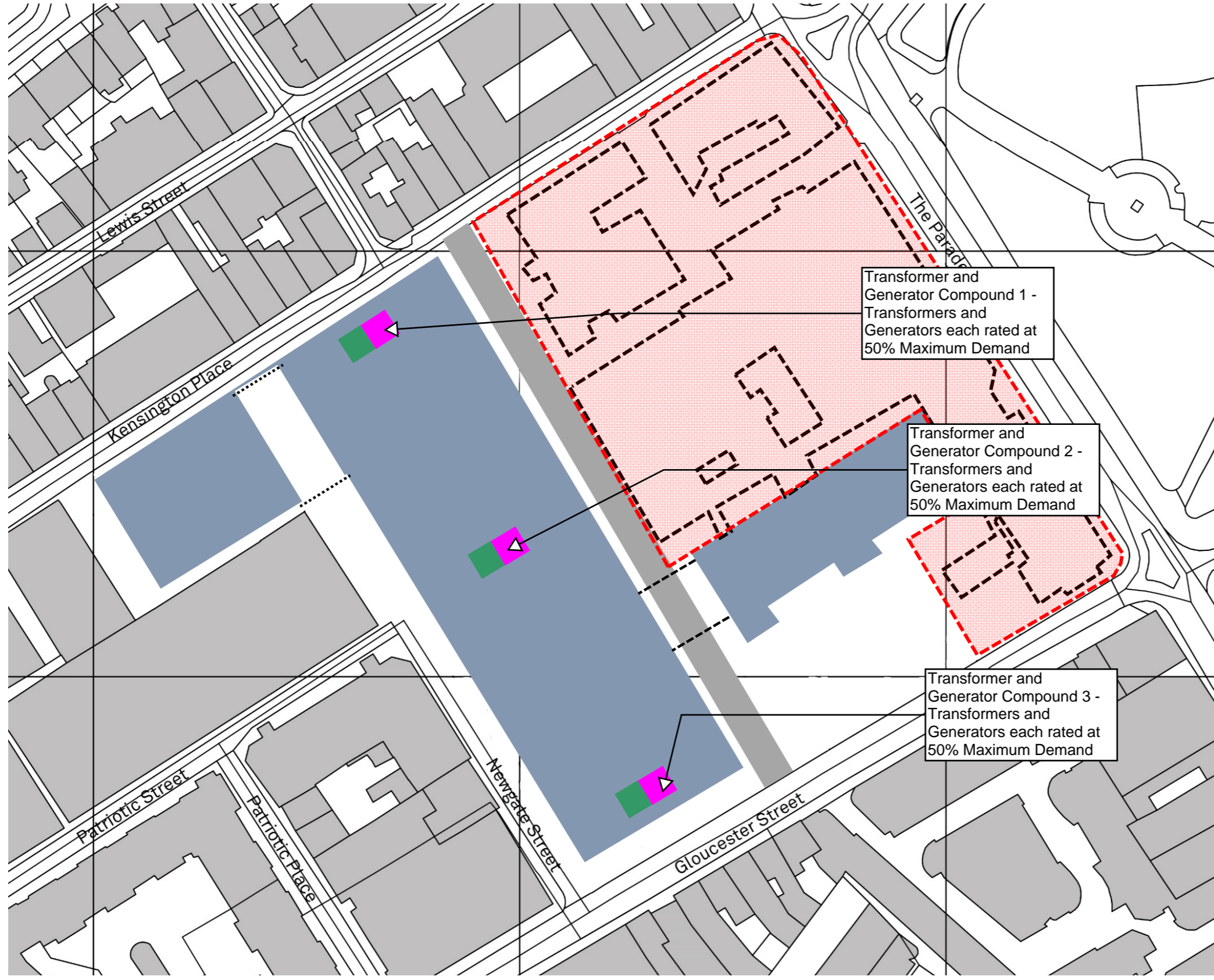
CO025 Proposed Level 00
Electrical Equipment

Scale at A3
NTS

Role
Electrical

Drawing Status
Preliminary Issue

Job No	Drawing No	Issue
237035	SK-E-CO025-001	P1



P1	27/06/16	PT	PT	DP
Final Preliminary Issue				
Issue	Date	By	Chkd	Appd

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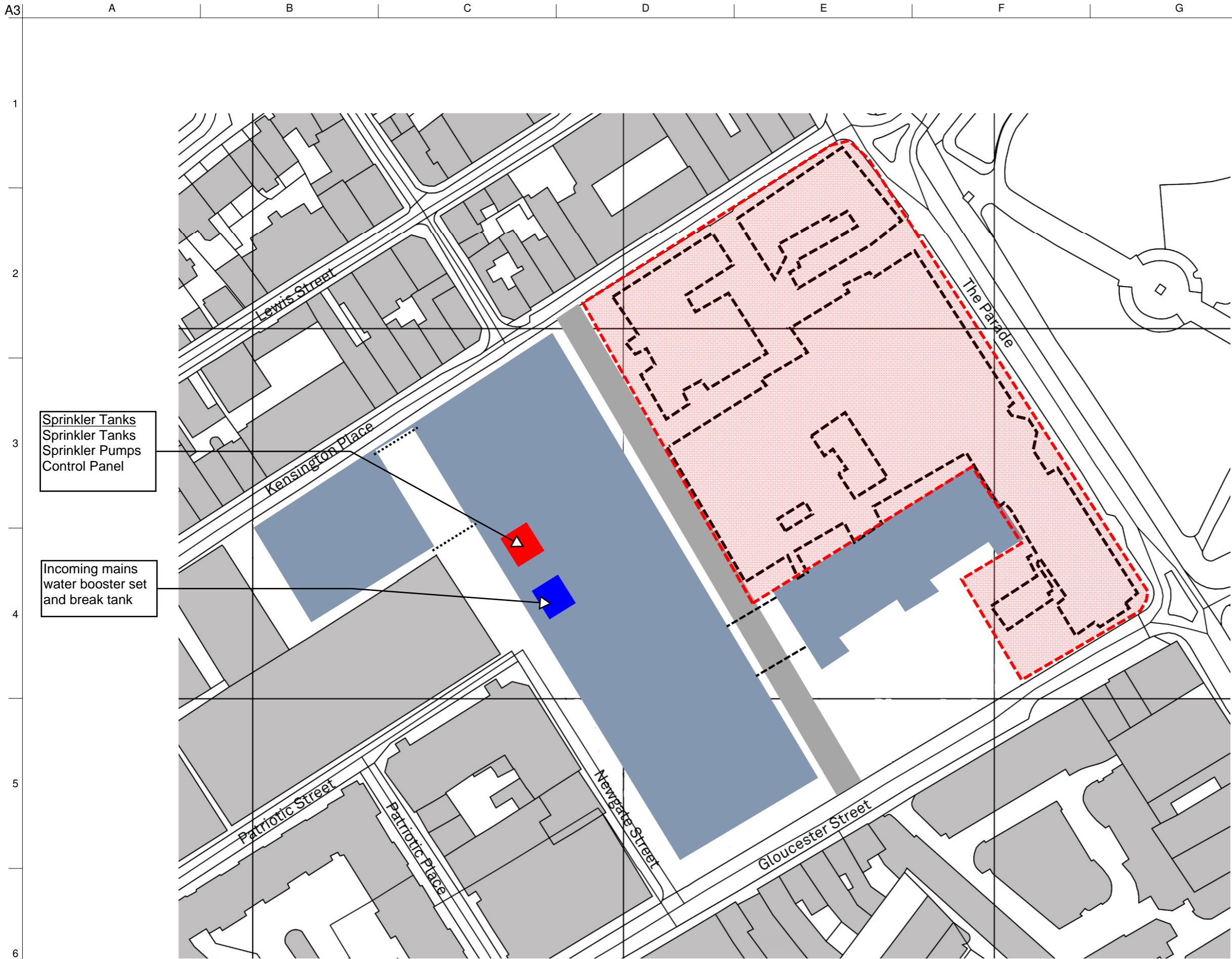
Client
 States of Jersey

Job Title
 Jersey Future Hospital

CO025 Proposed Roof Level
 Electrical Equipment

Scale at A3
 NTS
 Role
 Electrical
 Drawing Status
 Preliminary Issue

Job No	Drawing No	Issue
237035	SK-E-CO25-002	P1



P1	27/06/16	AH	PT	DP
Final Preliminary Issue				
Issue	Date	By	Chkd	Appd

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Client
States of Jersey

Job Title
Jersey Future Hospital

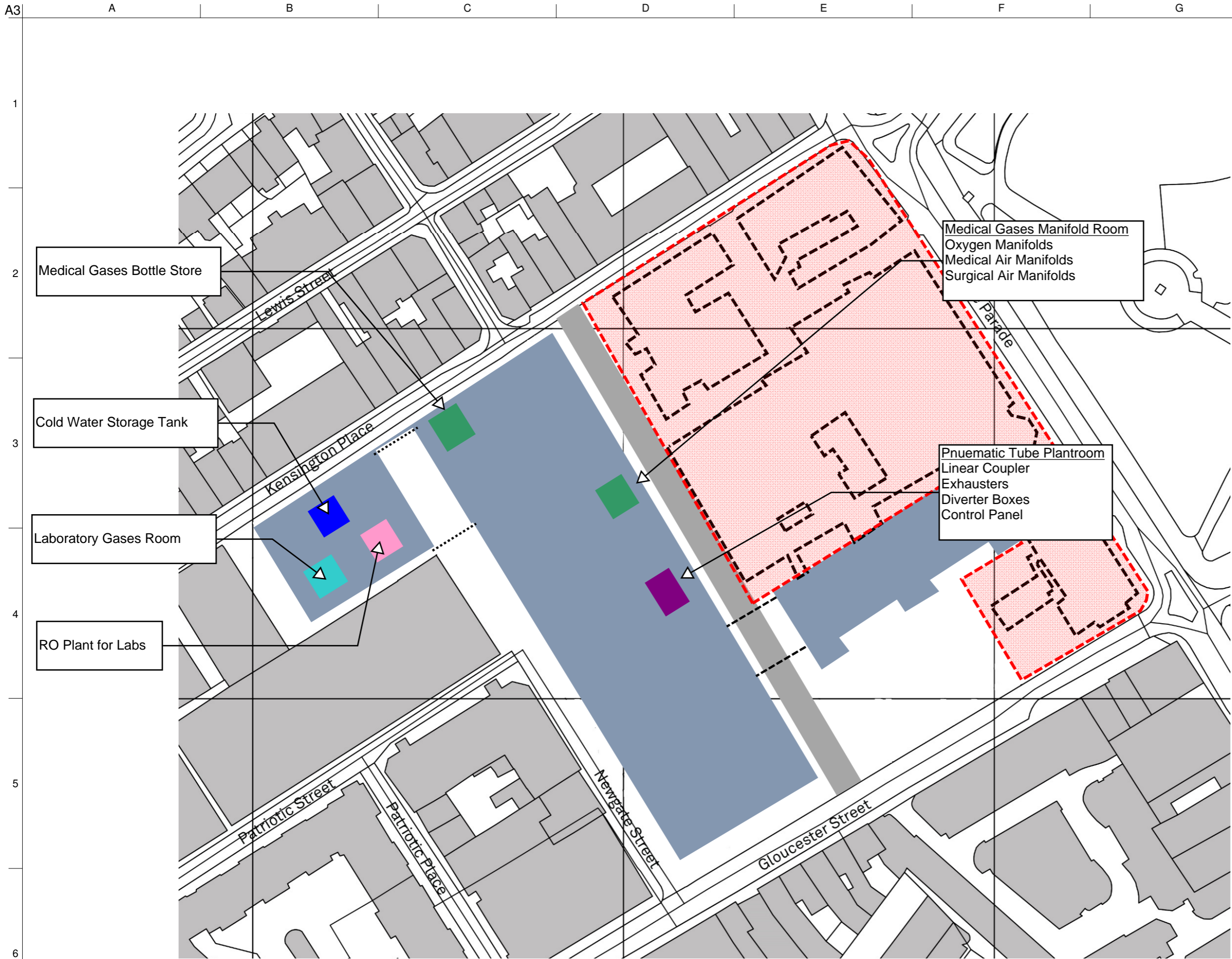
CO025 Proposed Basement
Level Mechanical Equipment

Scale at A3
NTS

Role
Mechanical

Drawing Status
Preliminary Issue

Job No	Drawing No	Issue
237035	SK-M-CO025-001	P1



P1	275/06/16	AH	PT	DP
Final Preliminary Issue				
Issue	Date	By	Chkd	Appd

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Client
States of Jersey

Job Title
Jersey Future Hospital

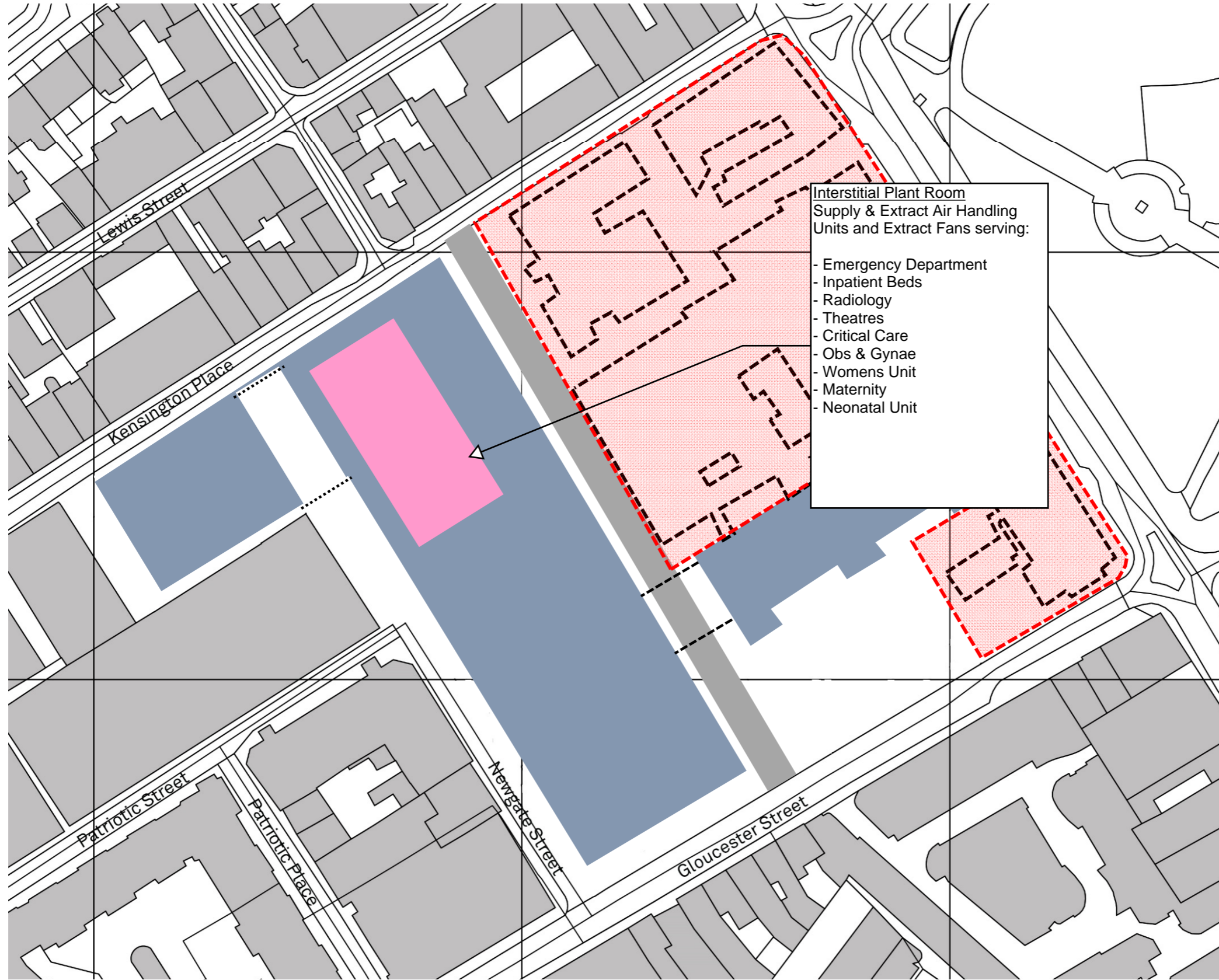
CO025 Proposed Level 00 Mechanical Equipment

Scale at A3
NTS

Role
Mechanical

Drawing Status
Preliminary Issue

Job No	Drawing No	Issue
237035	SK-M-CO025-002	P1



Interstitial Plant Room
 Supply & Extract Air Handling
 Units and Extract Fans serving:

- Emergency Department
- Inpatient Beds
- Radiology
- Theatres
- Critical Care
- Obs & Gynae
- Womens Unit
- Maternity
- Neonatal Unit

P1	27/06/16	AH	PT	DP
Final Preliminary Issue				
Issue	Date	By	Chkd	Appd

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Client
States of Jersey

Job Title
Jersey Future Hospital

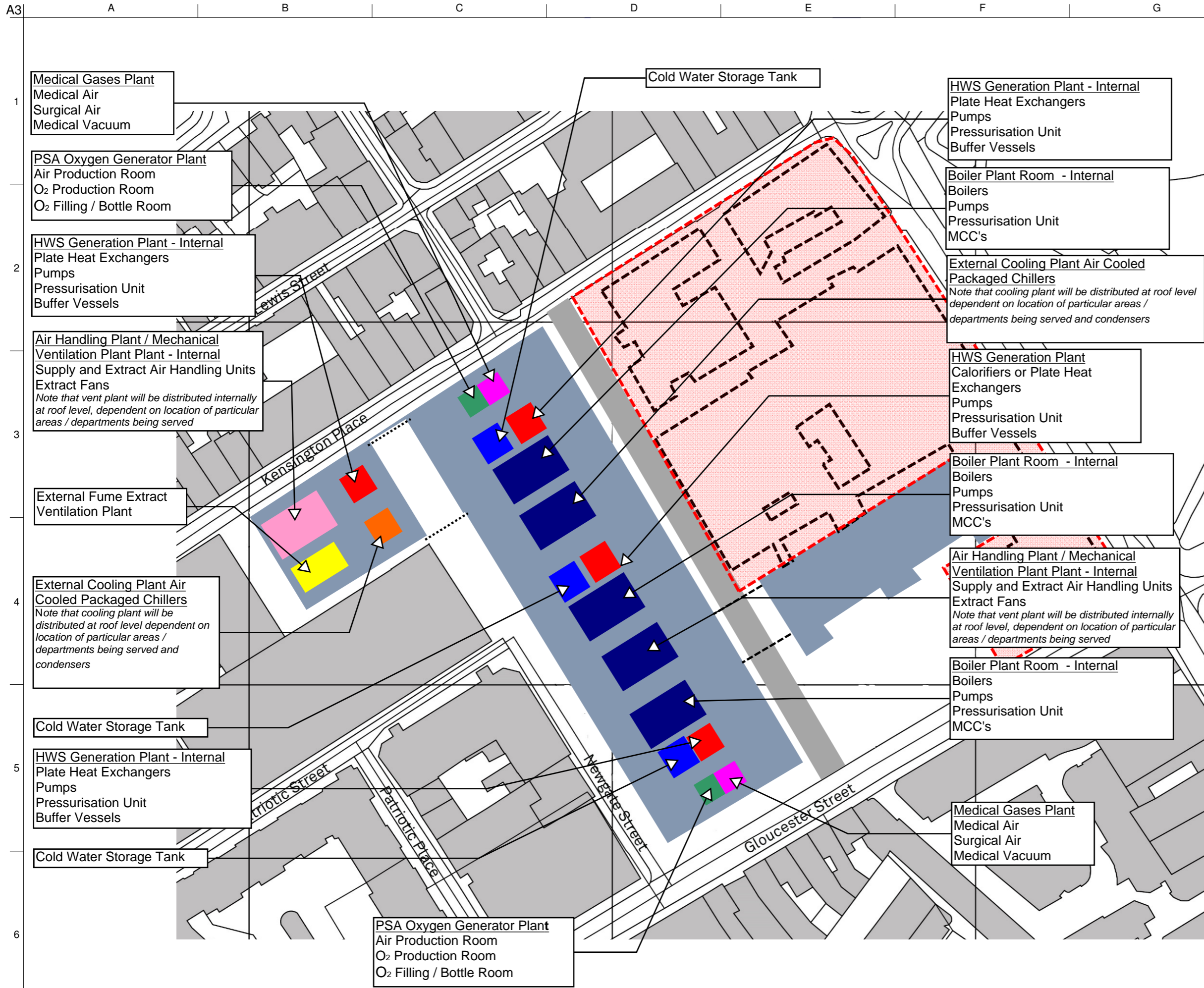
**CO025 Proposed Level 02
 Mechanical Equipment**

Scale at A3
NTS

Role
Mechanical

Drawing Status
Preliminary Issue

Job No	Drawing No	Issue
237035	SK-M-CO025-003	P1



Medical Gases Plant
Medical Air
Surgical Air
Medical Vacuum

PSA Oxygen Generator Plant
Air Production Room
O₂ Production Room
O₂ Filling / Bottle Room

HWS Generation Plant - Internal
Plate Heat Exchangers
Pumps
Pressurisation Unit
Buffer Vessels

Air Handling Plant / Mechanical
Ventilation Plant - Internal
Supply and Extract Air Handling Units
Extract Fans
Note that vent plant will be distributed internally at roof level, dependent on location of particular areas / departments being served

External Fume Extract
Ventilation Plant

External Cooling Plant Air
Cooled Packaged Chillers
Note that cooling plant will be distributed at roof level dependent on location of particular areas / departments being served and condensers

Cold Water Storage Tank

HWS Generation Plant - Internal
Plate Heat Exchangers
Pumps
Pressurisation Unit
Buffer Vessels

Cold Water Storage Tank

PSA Oxygen Generator Plant
Air Production Room
O₂ Production Room
O₂ Filling / Bottle Room

Cold Water Storage Tank

HWS Generation Plant - Internal
Plate Heat Exchangers
Pumps
Pressurisation Unit
Buffer Vessels

Boiler Plant Room - Internal
Boilers
Pumps
Pressurisation Unit
MCC's

External Cooling Plant Air Cooled
Packaged Chillers
Note that cooling plant will be distributed at roof level dependent on location of particular areas / departments being served and condensers

HWS Generation Plant
Calorifiers or Plate Heat
Exchangers
Pumps
Pressurisation Unit
Buffer Vessels

Boiler Plant Room - Internal
Boilers
Pumps
Pressurisation Unit
MCC's

Air Handling Plant / Mechanical
Ventilation Plant - Internal
Supply and Extract Air Handling Units
Extract Fans
Note that vent plant will be distributed internally at roof level, dependent on location of particular areas / departments being served

Boiler Plant Room - Internal
Boilers
Pumps
Pressurisation Unit
MCC's

Medical Gases Plant
Medical Air
Surgical Air
Medical Vacuum

P1	27/06/16	AH	PT	DP
Final Preliminary Issue				
Issue	Date	By	Chkd	Appd

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Client
States of Jersey

Job Title
Jersey Future Hospital

CO025 Proposed Roof Level
Mechanical Equipment

Scale at A3
NTS

Role
Mechanical

Drawing Status
Preliminary Issue

Job No	Drawing No	Issue
237035	SK-M-CO25-004	P1