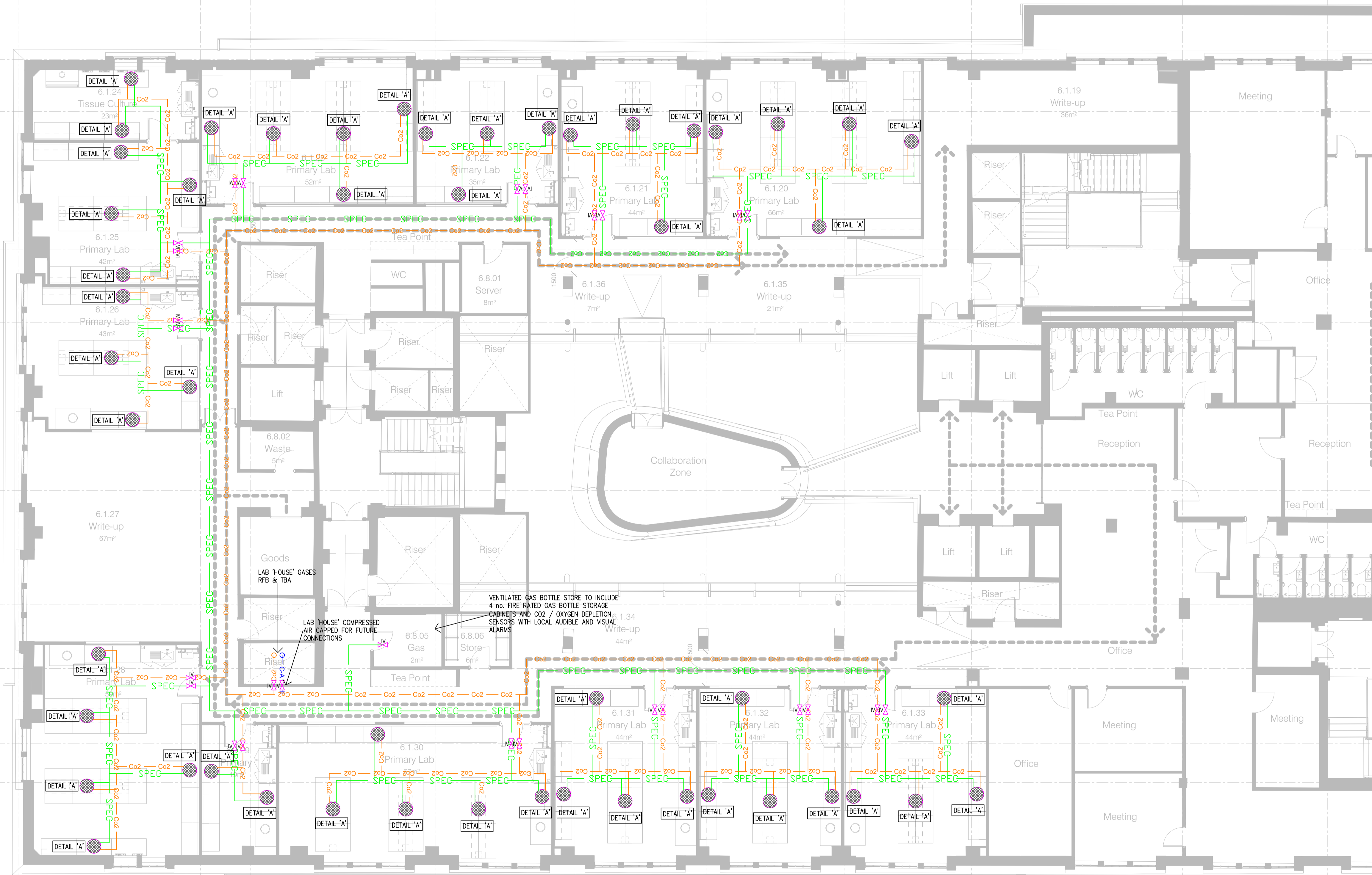
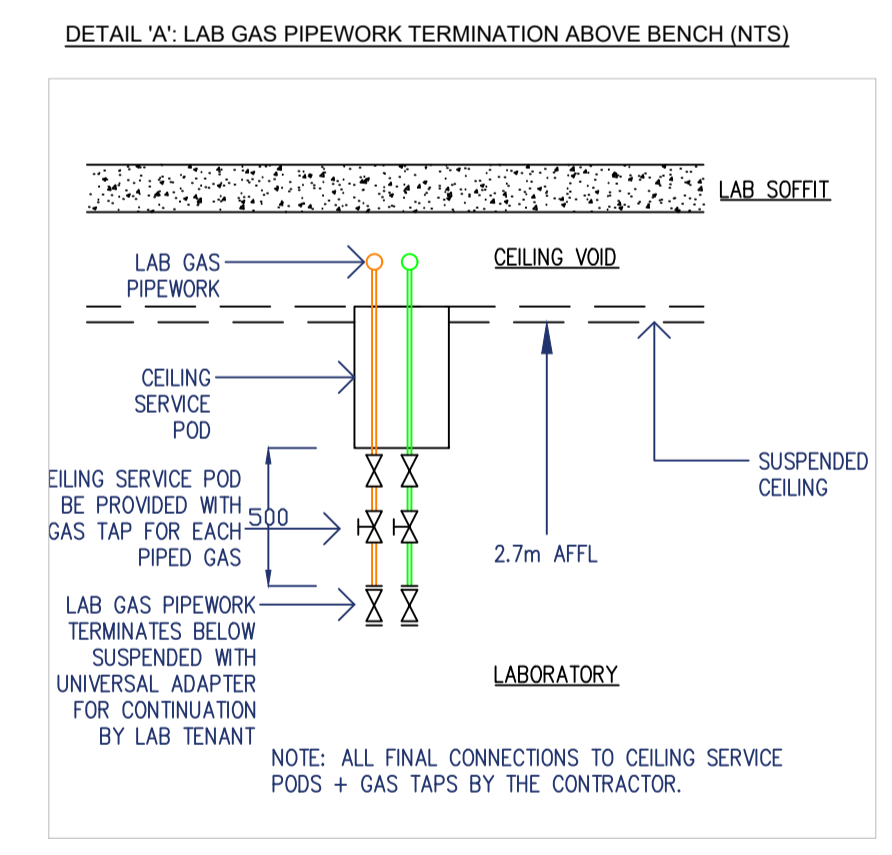
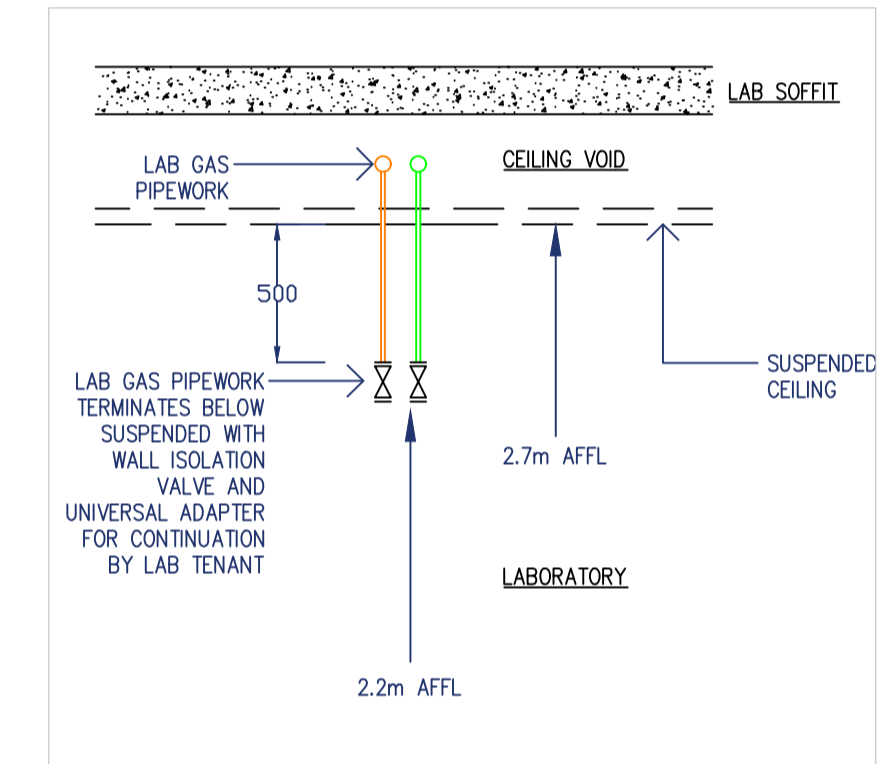
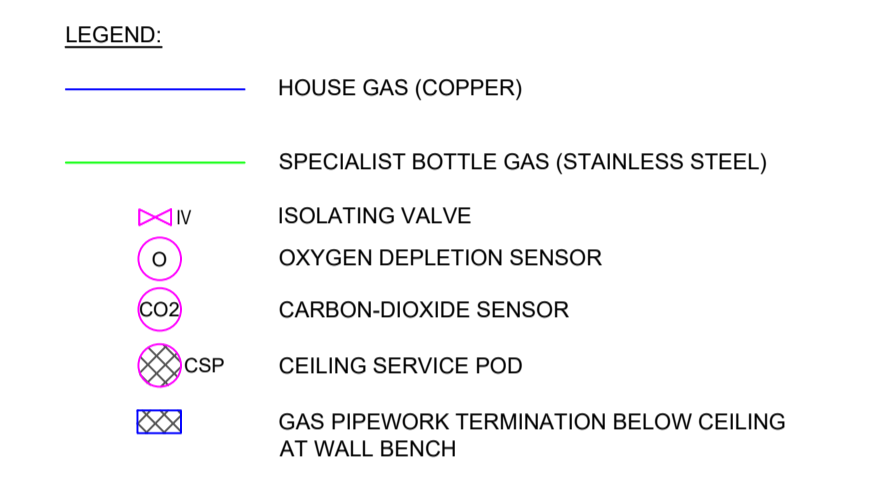


1 2 3 4 5 6 7 8 9 10 11 12 14

A
B
C
D
E
F
G
H
I



- NOTES:**
- DO NOT SCALE FROM THIS DRAWING
 - ALL LAB GAS SERVICES ARE CONTRACTOR DESIGN PORTION (CDP). IN THE ABSENCE OF ANY LAB EQUIPMENT DETAILS THE GAS DESIGN SHALL BE BASED ON THE FOLLOWING FLOW TO EACH/EVERY CSP
 - COMPRESSED AIR: 60-80 LITRES/MIN.
NITROGEN: 8-10 LITRES/MIN.
OXYGEN: 8-10 LITRES/MIN.
CARBON-DIOXIDE: 8-10 LITRES/MIN.
 - FOR LAB GAS PIPEWORK SIZING, 50% DIVERSITY CAN BE APPLIED WHERE APPROPRIATE.
 - THE CONTRACTOR MUST APPOINT AN APPROPRIATELY QUALIFIED SPECIALIST TO UNDERTAKE THE DESIGN.
 - ANY LAB GASES SYSTEM STORED INTERNALLY MUST BE HOUSED WITH PROPRIETARY FIRE-RATED ENCLOSURES
 - 2 NO. GAS DETECTION CONTROL PANELS SHALL BE PROVIDED FOR EACH FLOOR, ONE FOR THE NORTH DEMISE AND ANOTHER FOR THE SOUTH DEMISE.
 - EACH LABORATORY WILL HAVE A BEACON SOUNDER AT THE ENTRANCE TO AND WITHIN THE LABORATORY AREA ALONG WITH OXYGEN AND CARBON DIOXIDE SENSORS. IN THE EVENT OF SENSORS REACH AMBER OR RED SET POINTS, THE BEACON SOUNDRERS WILL BE ACTIVATED AND THE GAS SUPPLY AT THE MANIFOLD WILL BE AUTOMATICALLY ISOLATED.
 - EACH GAS BOTTLE STORE WILL HAVE A BEACON SOUNDER AT THE ENTRANCE TO AND WITHIN THE LABORATORY AREA ALONG WITH OXYGEN AND CARBON DIOXIDE SENSORS. IN THE EVENT OF SENSORS REACH AMBER OR RED SET POINTS, THE BEACON SOUNDRERS WILL BE ACTIVATED AND THE GAS SUPPLY AT THE MANIFOLD WILL BE AUTOMATICALLY ISOLATED.
 - ALL GAS DETECTION WIRING WILL BE UNDERTAKEN BY THE LAB GAS SPECIALIST



S4 - P01	14/02/2024	STAGE 3 CAT-B ISSUE	GON	AG
SUIT-REV	DATE	DESCRIPTION	DRN	CHK
STATUS				

STAGE 3

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DRAWING INFORMATION
DRAWING TITLE: MECHANICAL SERVICES
SIXTH FLOOR
CAT-B LAB GAS LAYOUT

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