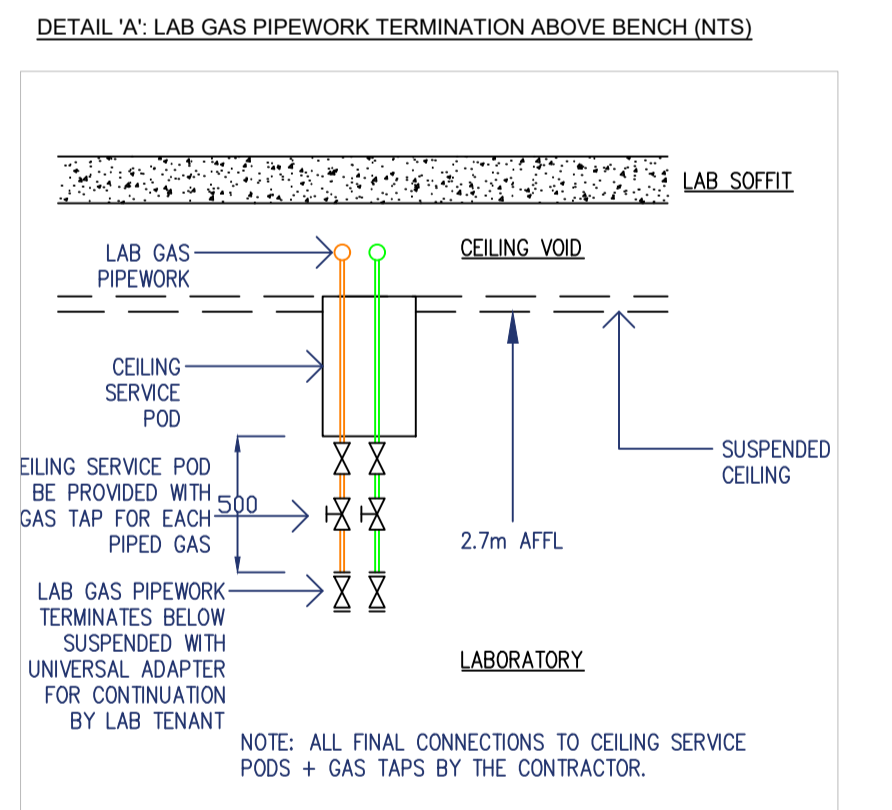
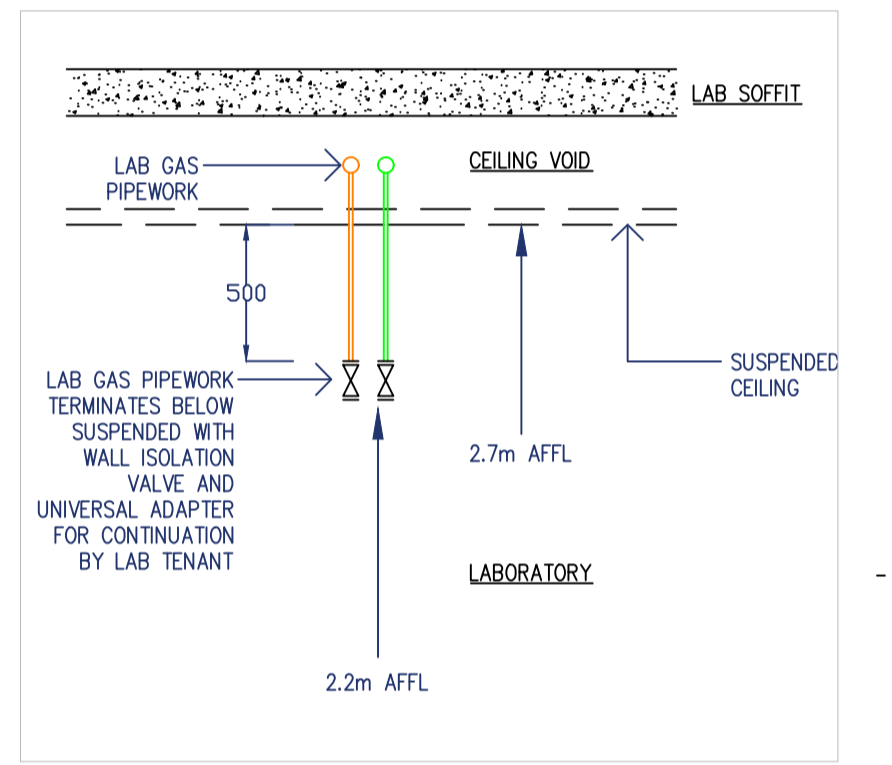
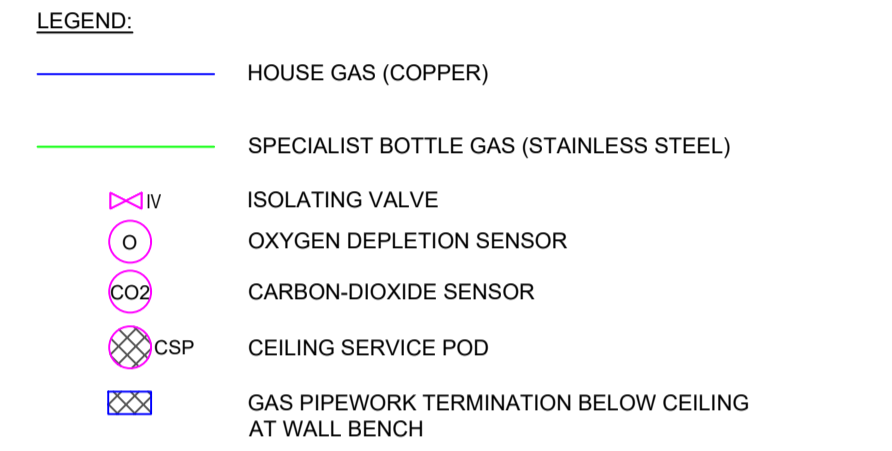


1 2 3 4 5 6 7 8 9 10 11 12 14

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

THIS DRAWING IS COPYRIGHT. DO NOT SCALE FROM DRAWING. THE CONTRACTOR AND THEIR SUB-CONTRACTORS ARE TO VERIFY ALL DIMENSIONS ON SITE BEFORE MAKING SHOP DRAWINGS OR COMMENCING MANUFACTURE.

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| PROJECT INFORMATION | | | |
|---------------------|--|-------------|-----------|
| CLIENT | OXFORD VICTORIA HOUSE DEVELOPMENT LTD | | |
| PROJECT | LONDON, WC1B 4DA | | |
| DRAWING INFORMATION | | | |
| DRAWING TITLE | MECHANICAL SERVICES FIFTH FLOOR CAT-B LAB GAS LAYOUT | | |
| DESIGNED BY | AG | DATE | Jan. 2024 |
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| SCALE | 1:100 @ A1 | | |
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