

General Items

The contractor will need to liaise with other directly appointed contractors undertaking works concurrently. Please ensure best practice and considerate construction principles are followed at all times.

Welfare (toilet, hot & cold running water) to be provided by client.

All plant & equipment use to be carried out in accordance with all relevant HSE guidance and legislation.

All debris is to be cleared from site prior to sign off by client.

No heras type fencing is required within the red line boundary as this will be provided and installed by the client.

Allow for all necessary preliminaries, design, mains and sub mains distribution, containment, testing, commissioning & certification, labelling, O&M manuals and connection of any hard-wired machines to isolators.

Electrical Supply

Replace primary board (main incomer) with new Schneider Isobar P-type (use this for all new boards referred to below). Leave disconnected any sub-mains to distribution boards in existing workshops pending strip-out or down-rating.

Existing supply cable from the primary board to the garages should be re-used and extended to the new section board position in bay 1, assuming satisfactory cable calculations.

This section board to supply sub-mains to additional distribution boards, plus general power and lighting, extract, etc. to all bays.

Install new non-maintained DBs to bays 2, 3 and 5 inside each bay entrance.

Install new maintained DB to bay 4.

A distribution board is required per bay

Install distribution routes around each bay in trunking with steel conduit

drop-downs to outlets in appropriate positions based on the layouts provided.

In bays 1 and 4 allow for socket circuit rings. Assume radials to each individual machine unless they are low enough load currently to be utilising a ring circuit. Where a socket outlet supplies a machine, this circuit should be fed from the local DB. Standard 13A double socket outlets required per bay;

- Bay 1: 10No double sockets
- Bay 2: 2No. double sockets
- Bay 3: 2No. double sockets
- Bay 4: 6No. double sockets
- Bay 5: 2No. double sockets

All machinery should be able to be isolated locally via a metal clad isolator.

In calculating load diversity, assume a maximum of 2 machines permitted to be in use at once in bays 2 and 4, or maximum 1 in use in bays 3 and 5, plus the LEV load. Allow for a 32 amp TPN supply for the LEV system. All cables, boards and safety device ratings to be calculated based on machine loads

provided.

Data

Allow for 6No. Cat 6a cables from the existing comms cab in DT building on the first floor. 2No. outlets in Bay 1, 4No. outlets in Bay 4, plus containment, catinery etc, installed in accordance with relevant best practise and maximum cable distances.

LEV System

Install a ceeform outlet on the South external elevation to serve the new LEV system (assume same rating as existing machine pending confirmation).

Install isolation switches on opposite walls in bays 2,3 and 5 to enable safety shutoff.

Allow for a switch fused spur for possible radiant electric heater and runback timer switch in each bay.

Include for necessary surge protection. All lighting and LEV supply to be provided

from bay 1 and not contractor controlled.

Fire Loop

Install a new fire loop including detectors back to the main building panel. The fire loop should go back to the DT building fire panel, located in the kitchenette. Detectors are required in all bays and within the acoustic housing.

Lighting

Install lighting as follows:

- Robus vapour proof LED strip luminaires, or Robus grid ceiling luminaires where ceiling grids are installed.
- Assume 4No. per bay (2No. in bay 5).
- Motion sensor switching.
- Install 5No. 10W LED motion activated external floodlights along the fascia above the entrances - 1 per bay.
- Install 1No. 10W LED wall-mounted, motion activated luminaire within the acoustic housing.

General Notes		
1. DRAWINGS MUST NOT BE SCALE, WORK ONLY FROM FIGURED DIMENSIONS 2. CHECK ALL DIMENSIONS ON SITE BEFORE ORDERING MATERIALS OR PUTTING WORK IN HAND 3. DIMENSIONS MUST BE VERIFIED ON SITE BEFORE PREPARATION OF SHOP DRAWINGS 4. SHOP DRAWINGS OF MANUFACTURED ITEMS MUST BE APPROVED BY THE ARCHITECTS BEFORE THE WORK IS PUT IN HAND 5. THE ARCHITECT MUST BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY		
REVISIONS		
No.	Description	Date
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
Est. 1841 YORK ST JOHN UNIVERSITY		
PROJECT DESIGN CENTRE REFURBISHMENT		
DRAWING TITLE Proposed Workshop Plans		
DRAWING STATUS TENDER		
DRAWN	NC	CHECKED —
SCALE 1:100 @ A1		
DATE DEC 2023		
PROJECT NO.	DRAWING NO.	REV
— — — — —	DC-MS-T03	

