



Cables to penetrate wall at H/L in accordance with Detail 'E' on dwg STD-ELE-P-110-S-05

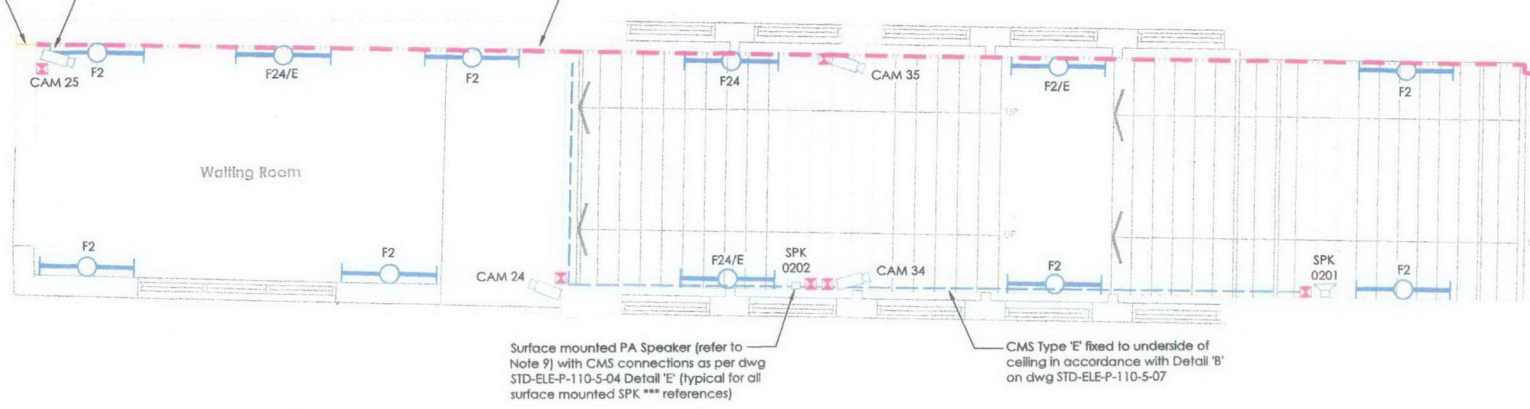
Surface mounted CCTV Camera (refer to Note 9) with CMS type 'E' connections as per Detail 'E' on dwg STD-ELE-P-110-S-04 (typical for all surface mounted CAM *** references)

CMS Type 'G' fixed to wall at H/L in accordance with Detail 'A' on dwg STD-ELE-P-110-S-07

Cables to penetrate wall at H/L in accordance with Detail 'E' on dwg STD-ELE-P-110-S-05

CMS Type 'G' fixed to wall at H/L in accordance with Detail 'A' on dwg STD-ELE-P-110-S-07

Distribution Board DB-CER mounted on wall at H/L



Subway and Stairs to Platform 2

Existing lighting circuit to remain unaffected

CMS Type 'G' fixed to ceiling in accordance with Detail 'A' on dwg STD-ELE-P-110-S-07

For continuation of Electrical services to Booking Hall refer to dwg CMD-ELE-P-30-I-01

Key for CMS types

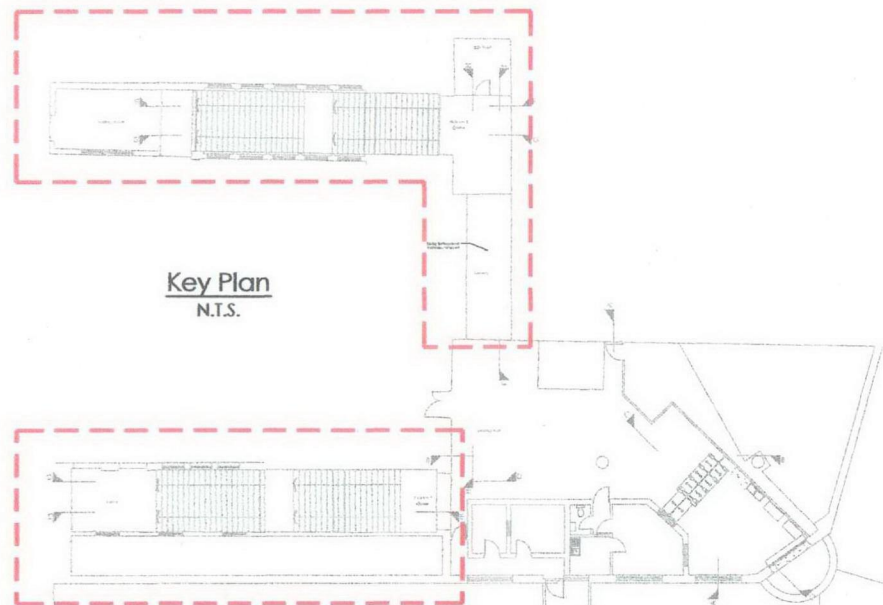
- 25" 100 dia Rigidconduit for LV Power and Comms cables between draw pits, buried a minimum of 450 below finished platform level c/w draw wire refer to Detail 'A' on dwg STD-ELE-P-110-S-03.
- 25" 100 dia Rigidconduit for LV Power and Comms cables to CCTV Cabinet refer to Detail 'G2' on dwg STD-ELE-P-110-S-04.
- 25" 50 dia Rigidconduit for LV Power and Comms cables from draw pit to lighting columns, refer to Detail 'A' on dwg STD-ELE-P-110-S-04.
- 18" 50 dia Rigidconduit, refer to Detail 'A' on dwg STD-ELE-P-110-S-04.
- 25" 25 dia galvanised steel conduit for LV Power and Comms cables.
- 18" 25 dia galvanised steel conduit.
- 225x30 wide heavy duty rebar flanged 2-compartment galvanised steel cable tray for LV Power and Comms cables c/w heavy duty lid.
- 100x30 wide heavy duty rebar flanged 2-compartment galvanised steel cable tray for LV Power and Comms cables c/w heavy duty lid.
- 75x30 1 compartment galvanised steel cable bundling.
- 25" 32 dia galvanised steel conduit for LV Power and Comms cables.

Note:

Where 90° bends are required in CMS types 'E', 'F' and 'K' a minimum bending radius of 100mm must be incorporated.

Where 90° bends are required in CMS types 'G' and 'H' a 'Flat Bend' is to be incorporated.

Key Plan N.T.S.



Surface mounted PA Speaker (refer to Note 9) with CMS type 'F' connections as per dwg STD-ELE-P-110-S-04 Detail 'E' (typical for all surface mounted SPK *** references)

Cables to penetrate wall at H/L in accordance with Detail 'E' on dwg STD-ELE-P-110-S-05. For continuation of CMS onto Platform 1 refer to dwg CMD-ELE-P-10-I-03

CMS Type 'G' fixed to wall at H/L in accordance with Detail 'A' on dwg STD-ELE-P-110-S-07

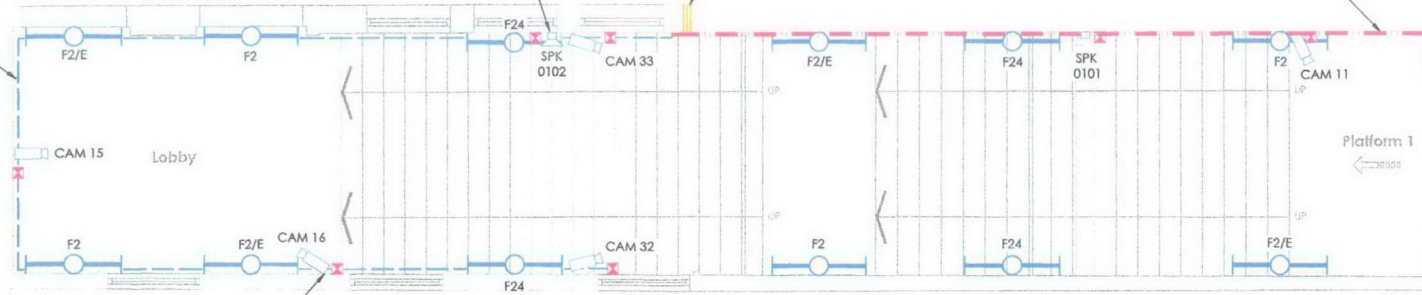
For continuation of Electrical services to Booking Hall refer to dwg CMD-ELE-P-30-I-01

CMS Type 'K' fixed to wall at H/L in accordance with Detail 'A' on dwg STD-ELE-P-110-S-07

Surface mounted CCTV Camera (refer to Note 9) with CMS connections as per Detail 'E' on dwg STD-ELE-P-110-S-04 (typical for all surface mounted CAM *** references)

Luminaire reference (typical), refer to dwg CMD-ELE-P-120-S-01 for Luminaire Schedule

Stairs to Platform 1



General notes

- This drawing is the copyright of GCP Rail Ltd, and should not be reproduced without prior written approval.
- This drawing is to be read in conjunction with all relevant Drawings, Specifications, and Contract Documents.
- This drawing must only be reproduced in colour.
- All dimensions in millimetres (mm) and all levels are in metres (m). Do not scale from this drawing.
- For Standard Notes used on Civil/Architectural (Ambience Works) drawings, refer to Drawing No. STD-PAD-P-110-S-01. For Standard Notes used on the Electrical (Ambience Works) drawings, refer to Drawing No. STD-ELE-P-110-S-01.
- For Symbols and Abbreviations used on the Civil/Architectural (Ambience Works) drawings, refer to Drawing No. STD-PAD-P-110-S-02. For Symbols and Abbreviations used on the Electrical (Ambience Works) drawings, refer to Drawing No. STD-ELE-P-110-S-02.
- This drawing has been produced without topographical or geometrical survey data. The relative positions of existing structures, station furniture, fixtures, etc. which are not subject to Phase 3 Ambience Works, are shown inductively. It is the responsibility of the 'User' of this drawing to check and verify the accuracy of the information provided prior to its use. In the event that such verification is not undertaken no liability will be accepted for claims, additional cost or extension of time resulting from any inaccuracies contained within the information provided. All dimensions must be checked on site to ensure the proposed works can be installed correctly and in accordance with the design intent prior to commencing work.
- All materials and workmanship shall be in accordance with current and specified standards.
- The systems equipment design which includes Closed Circuit Television Cameras (CCTV), Public Address Speakers (PA), Customer Information Screens (CIS), Next Train Indicator (NTI), Train Transfer Display Screens (TDS), Closed Circuit Television Camera Live Monitor Display Screens (CCTV DS), Public Help Points (PHP) and Induction Loops (IL) is by LOROL System Designer. The systems equipment locations, where shown, is indicative and are provided for coordination and information purposes only. Lighting columns that support existing operational systems equipment shall not be removed until the new systems equipment is installed and operational. No reliance should be placed upon the accuracy of the systems information provided. Find connections to systems equipment to be by LOROL's System Designer. Structural assessment of new or existing structures supporting systems equipment is by the Systems Designer.
- Repair and reinstatement / replacement of any existing assets damaged by the 'User' of these documents works is the responsibility of the 'User'. The 'User' shall replace the damaged asset / material with new to a standard no less than equal quality and to the satisfaction of the Engineer. Replacement materials shall be Network Rail compliant. Repair will only be acceptable with prior written approval of the Engineer. The 'User' shall be responsible for all direct and indirect costs associated with such damage.
- The 'User' of these documents shall be familiar with the 'Designer's Risk Assessment' prior to commencement of any work on site, and shall take all appropriate measures necessary to minimise Health & Safety risks associated with the work.

project no.
1036 - 029

01 Based for Pre-Construction Approval
02 Based for Network Rail for Early Approval



drawing status
PRE-CONSTRUCTION APPROVAL

project client
LOROL
project title
London Overground
Camden Road Station

drawing title
Proposed Station Cabling & Cont'mt
Subway and Stairs
Sheet 1 of 1
scale (A1) date drawn checked
1:50 08.02.10 JP EMO

reference
drawing no. revision
CMD-ELE-P-50-I-01 01



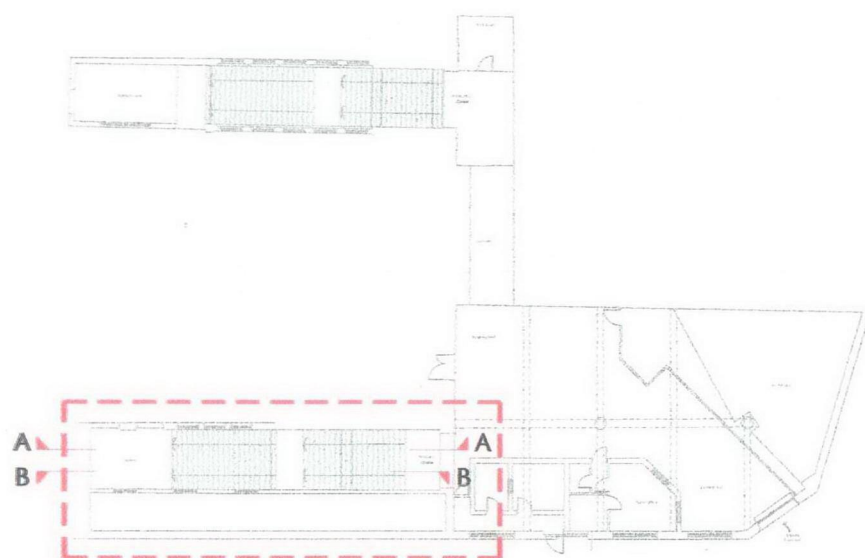
Key for CMS types

- A. 2N° 100 dia Rigidconduits for LV Power and Comms cables between draw pits, buried a minimum of 450 below finished platform level c/w draw wire refer to Detail 'A' on dwg STD-ELE-P-110-5-03.
- B. 2N° 100 dia Rigidconduits for LV Power and Comms cables to CCTV Cabinet refer to Detail 'G2' on dwg STD-ELE-P-110-5-06.
- C. 2N° 50 dia Rigidconduits for LV Power and Comms cables from draw pit to lighting column, refer to Detail 'A' on dwg STD-ELE-P-110-5-04.
- D. 1N° 50 dia Rigidconduit, refer to Detail 'A' on dwg STD-ELE-P-110-5-04.
- E. 2N° 25 dia galvanised steel conduits for LV Power and Comms cables.
- F. 1N° 25 dia galvanised steel conduit.
- G. 225x50 wide heavy duty return flanged 2-compartment galvanised steel cable tray for LV Power and Comms cables c/w heavy duty lid.
- H. 100x50 wide heavy duty return flanged 2-compartment galvanised steel cable tray for LV Power and Comms cables c/w heavy duty lid.
- J. 75x50 1 compartment galvanised steel cable trunking.
- K. 2N° 32 dia galvanised steel conduits for LV Power and Comms cables.

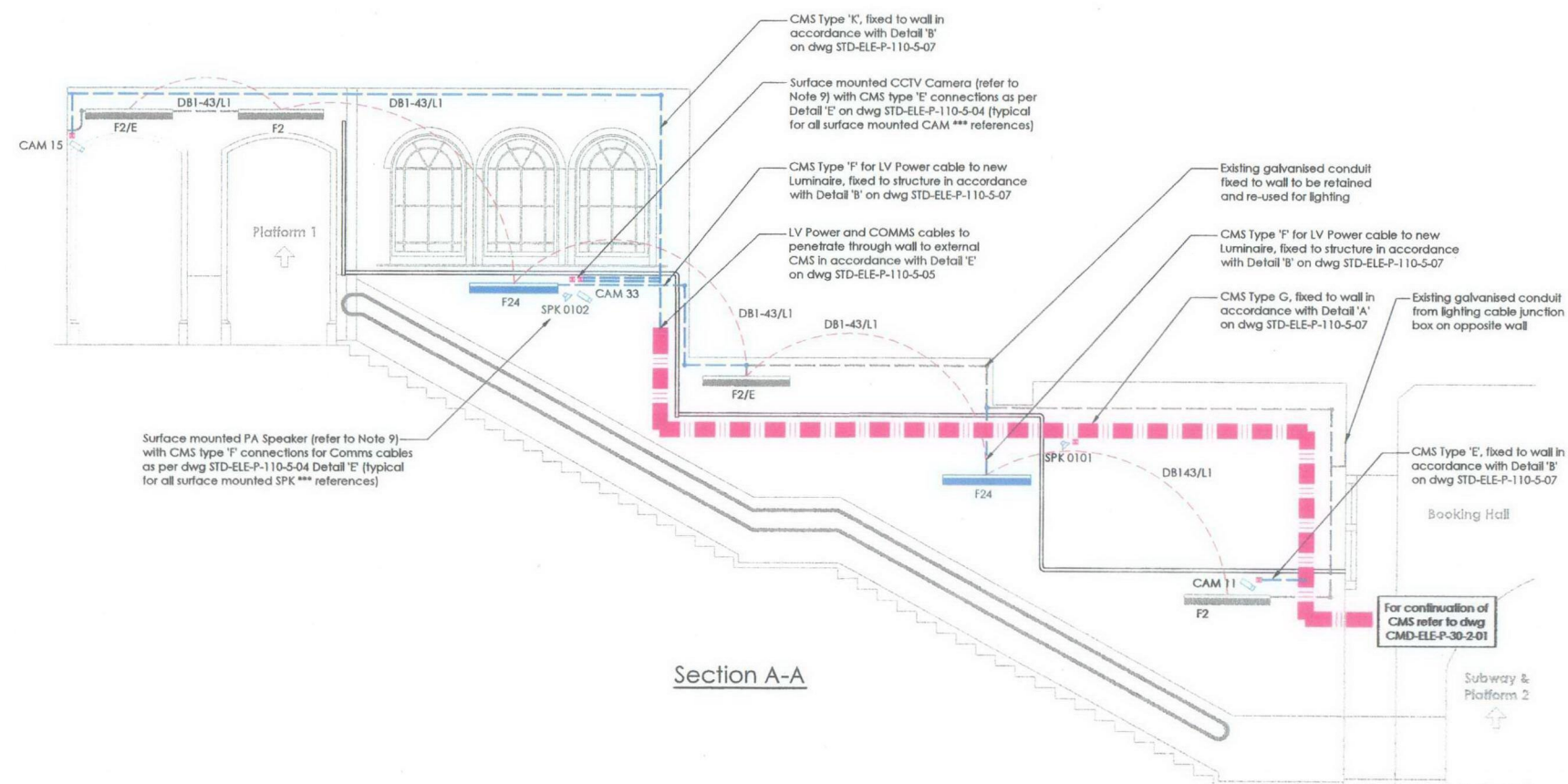
Note:

Where 90° bends are required in CMS types 'E', 'F' and 'K' a minimum bending radius of 100mm must be incorporated.

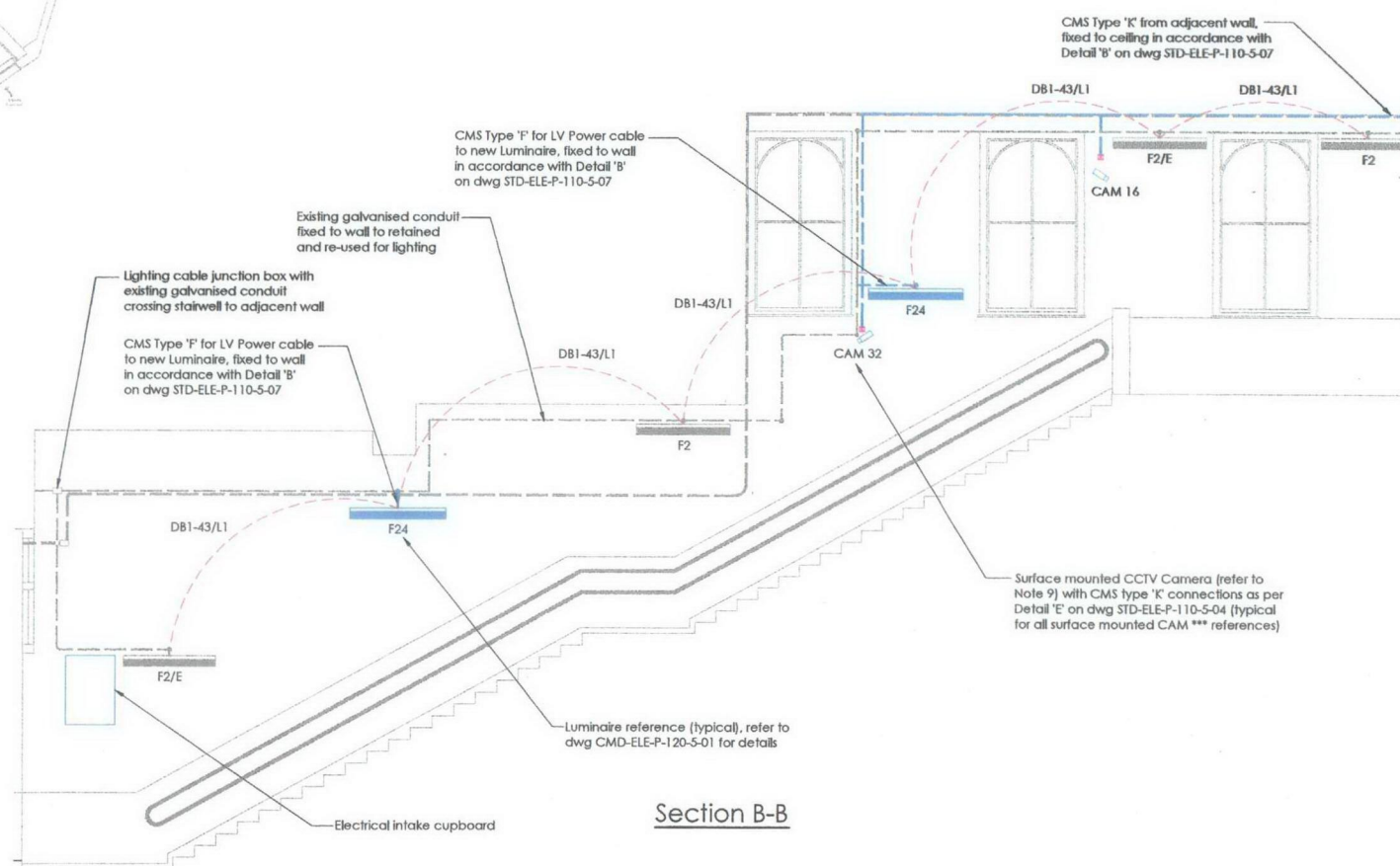
Where 90° bends are required in CMS types 'G' and 'H' a 'Roof Bend' is to be incorporated.



Key Plan
N.T.S.



Section A-A



Section B-B

General Notes

1. This drawing is the copyright of GCP Rail Ltd, and should not be reproduced without prior written approval.
2. This drawing is to be read in conjunction with all relevant Drawings, Specifications, and Contract Documents.
3. This drawing must only be reproduced in colour.
4. All dimensions in millimetres (mm) and all levels are in metres (m). Do not scale from this drawing.
5. For Standard Notes used on Civil/Architectural (Ambience Works) drawings, refer to Drawing No. STD-PAD-P-110-5-01. For Standard Notes used on the Electrical (Ambience Works) drawings, refer to Drawing No. STD-ELE-P-110-5-02.
6. For Symbols and Abbreviations used on the Civil/Architectural (Ambience Works) drawings, refer to Drawing No. STD-PAD-P-110-5-01. For Symbols and Abbreviations used on the Electrical (Ambience Works) drawings, refer to Drawing No. STD-ELE-P-110-5-02.
7. This drawing has been produced without topographical or geometrical survey data. The relative positions of existing structures, station furniture, fixtures, etc., which are not subject to Phase 3 Ambience Works, are shown indicatively. It is the responsibility of the 'User' of this drawing to check and verify the accuracy of the information provided prior to its use. In the event that such verification is not undertaken no liability will be accepted for claims, additional cost or extension of time resulting from any inaccuracies contained within the information provided. All dimensions must be checked on site to ensure the proposed works can be installed correctly and in accordance with the design intent prior to commencing work.
8. All materials and workmanship shall be in accordance with current and specified standards.
9. The systems equipment design which includes Closed Circuit Television Camera (CCTV), Public Address System (PA), Customer Information Screens (CIS), Next Train Indicators (NTI), Thin Film Transfer Display Screens (TFT), Closed Circuit Television Camera Live Monitor Display Screens (CCTV DS), Public Help Points (PHP) and Induction Loops (IL) is by LOROL System Designer. New CCTV camera & PA speakers are shown in the general location indicated on the System Designer's CCTV Desktop Survey drawings. The systems equipment locations, where shown, is indicative and are provided for coordination and information purposes only. Lighting columns that support existing operational systems equipment shall not be removed until the new systems equipment is installed and operational. No reliance should be placed upon the accuracy of the systems information provided. Final connections to Systems Equipment to be by LOROL System Designer. Structural assessment of new or existing structures supporting Systems equipment is by the Systems Designer.
10. Repair and replacement / replacement of any existing assets damaged by the 'User' of these documents works is the responsibility of the 'User'. The 'User' shall replace the damaged area / materials with new to a standard no less than equal quality and to the satisfaction of the Engineer. Replacement materials shall be Network Rail compliant. Repair will only be acceptable with prior written approval of the Engineer. The 'User' shall be responsible for all direct and indirect costs associated with such damage.
11. The 'User' of these documents shall be familiar with the 'Designer's Risk Assessment' prior to commencement of any work on site, and shall follow all appropriate measures necessary to minimise Health & Safety risks associated with the works.

project no.
1036 - 029

00 Issued for Pre-Construction Approval

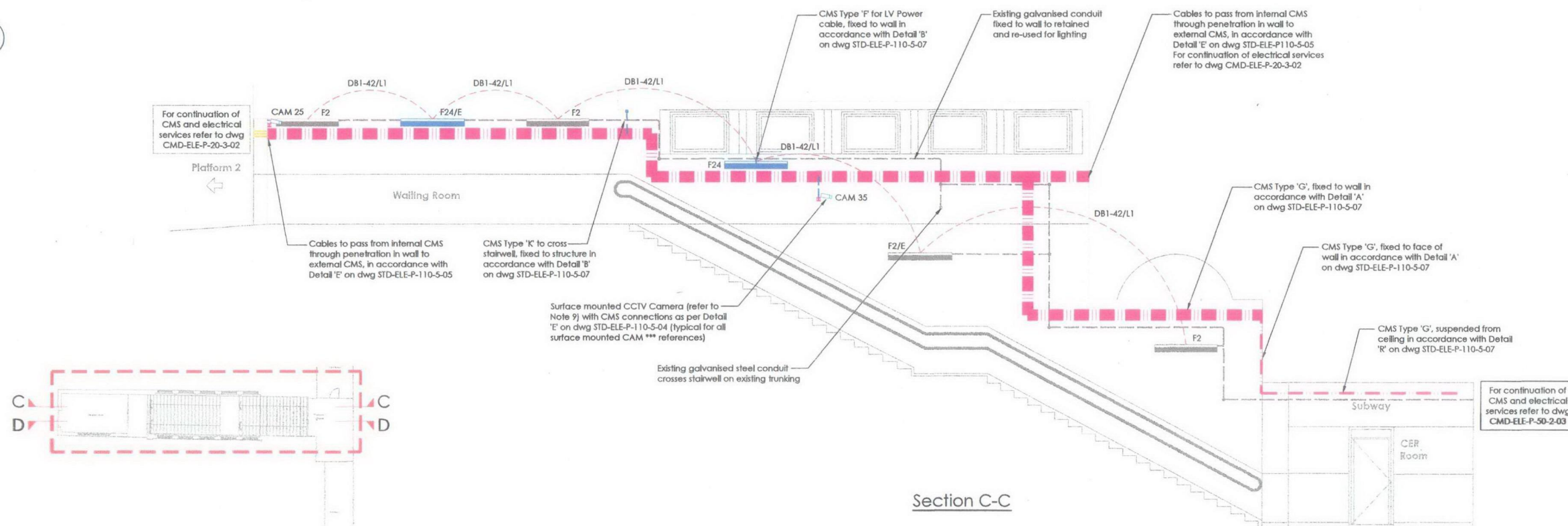
GCP Rail Ltd
42 Tabard Street
London SE1 4JH
t: 020 7457 5367
f: 020 7357 9949
www.gcpairthelp.co.uk
gcp partnership

drawing title
PRE-CONSTRUCTION APPROVAL

project
client
project title
London Overground
Camden Road Station

drawing title
Proposed Station Cabling & Cont'mt
Subway & Stairs - Sections
Sheet 1 of 3
scale (A1) date drawn checked
1:50 11.02.10 JP EMO

drawing no. revision
CMD-ELE-P-50-2-01 00



Key Plan
N.T.S.

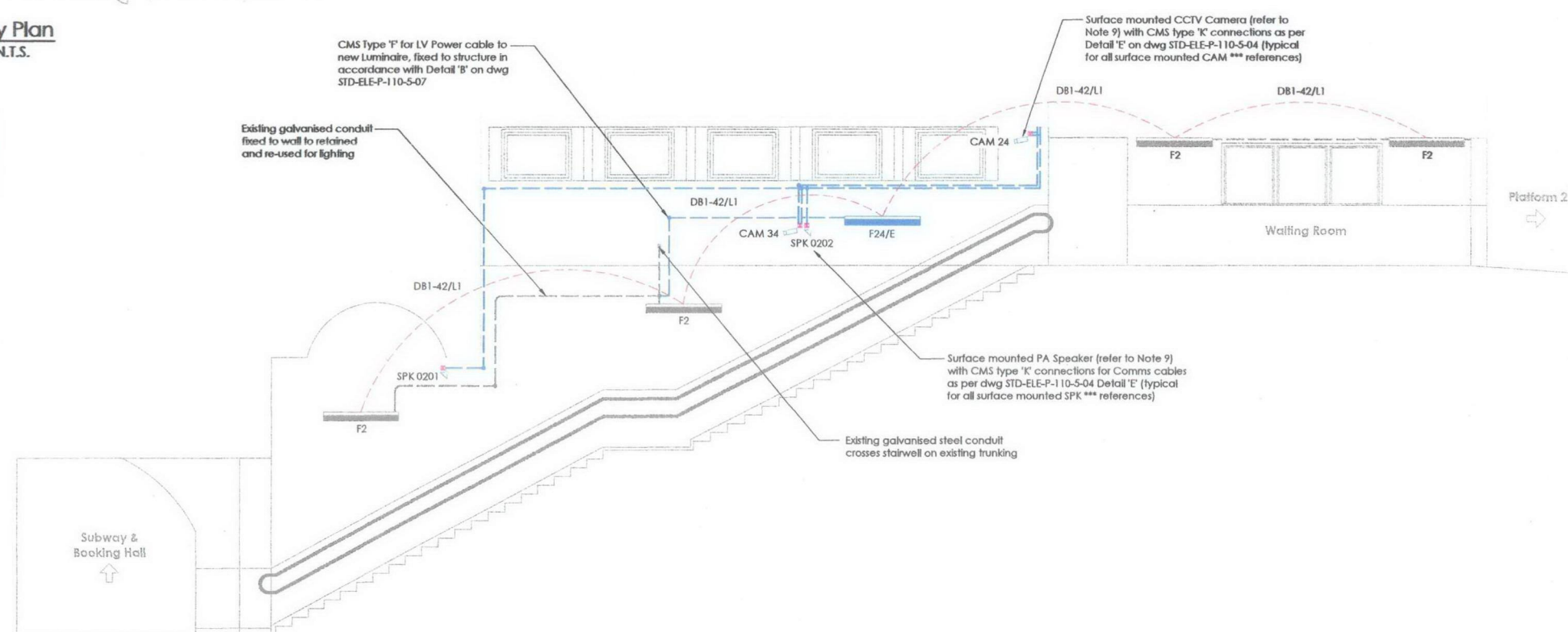
Key for CMS types

- A. 2N° 100 dia Ridgiduct for LV Power and Comms cables between draw pits, buried a minimum of 450 below finished platform level c/w draw wire refer to Detail 'A' on dwg STD-ELE-P-110-5-03.
- B. 2N° 100 dia Ridgiducts for LV Power and Comms cables to CCTV Cabinet refer to Detail 'G2' on dwg STD-ELE-P-110-5-06.
- C. 2N° 50 dia Ridgiducts for LV Power and Comms cables from draw pit to lighting column, refer to Detail 'A' on dwg STD-ELE-P-110-5-04.
- D. 1N° 50 dia Ridgiduct, refer to Detail 'A' on dwg STD-ELE-P-110-5-04.
- E. 2N° 25 dia galvanised steel conduits for LV Power and Comms cables.
- F. 1N° 25 dia galvanised steel conduit.
- G. 225x50 wide heavy duty return flanged 2-compartment galvanised steel cable tray for LV Power and Comms cables c/w heavy duty lid.
- H. 100x50 wide heavy duty return flanged 2-compartment galvanised steel cable tray for LV Power and Comms cables c/w heavy duty lid.
- J. 75x50 1 compartment galvanised steel cable trunking.
- K. 2N° 32 dia galvanised steel conduits for LV Power and Comms cables.

Note:

Where 90° bends are required in CMS types 'E', 'F' and 'K' a minimum bending radius of 100mm must be incorporated.

Where 90° bends are required in CMS types 'G' and 'H' a 'Flat Bend' is to be incorporated.



Section D-D

1. This drawing is the copyright of GCP Rail Ltd, and should not be reproduced without prior written approval.
2. This drawing is to be read in conjunction with all relevant Drawings, Specifications, and Contract Documents.
3. This drawing must only be reproduced in colour.
4. All dimensions in millimetres (mm) and all levels are in metres (m). Do not scale from this drawing.
5. For Standard Notes used on Civil/Architectural (Ambience Works) drawings, refer to Drawing No. STD-PAD-P-110-5-01. For Standard Notes used on the Electrical (Ambience Works) drawings, refer to Drawing No. STD-ELE-P-110-5-01.
6. For Symbols and Abbreviations used on the Civil/Architectural (Ambience Works) drawings, refer to Drawing No. STD-PAD-P-110-5-02. For Symbols and Abbreviations used on the Electrical (Ambience Works) drawings, refer to Drawing No. STD-ELE-P-110-5-02.
7. This drawing has been produced without topographical or geometrical survey data. The relative positions of existing structures, station furniture, fixtures, etc. which are not subject to Phase 3 Ambience Works, are shown indicatively. It is the responsibility of the 'User' of this drawing to check and verify the accuracy of the information provided prior to its use. In the event that such verification is not undertaken no liability will be accepted for claims, additional cost or extension of time resulting from any inaccuracies contained within the information provided. All dimensions must be checked on site to ensure the proposed works can be installed correctly and in accordance with the design intent prior to commencing work.
8. All materials and workmanship shall be in accordance with current and specified standards.
9. The systems equipment design which includes Closed Circuit Television Camera (CCTV), Public Address Speakers (PA), Customer Information Screens (CIS), Next Train Indicators (NTI), Thin Film Indicator Display Screens (TIF), Closed Circuit Television Camera Live Monitor Display Screens (CCTV DS), Public Help Points (PHP) and Induction Loops (IL) is by LOROL's System Designer. New CCTV camera & PA speakers are shown in the general location indicated on the System Designer's CCTV Desktop Survey drawings. The systems equipment locations, where shown, is indicative and are provided for coordination and information purposes only. Lighting columns that support existing operational systems equipment shall not be removed until the new systems equipment is installed and operational. No reliance should be placed upon the accuracy of the systems information provided. First connections to Systems Equipment to be by LOROL's System Designer. Structural assessment of new or existing structures supporting Systems equipment is by the Systems Designer.
10. Repair and reinstatement / replacement of any existing assets damaged by the 'User' of these documents work is the responsibility of the 'User'. The 'User' shall replace the damaged area / materials with new to a standard no less than equal quality and to the satisfaction of the Engineer. Replacement materials shall be Network Rail compliant. Repair will only be acceptable with prior written approval of the Engineer. The 'User' shall be responsible for all direct and indirect costs associated with such damage.
11. The 'User' of these documents shall be familiar with the 'Designer's Risk Assessment' prior to commencement of any work on site, and shall take all appropriate measures necessary to minimise Health & Safety risks associated with the works.

project no.
1036 - 029

02 Based on Pre-Construction Approval P 20.03.10 MB

GCP Rail Ltd
42 Tabard Street
London SE1 4JU
t: 020 7437 9367
f: 020 7357 9949
www.gcp-rail.co.uk



partnership

drawing title
PRE-CONSTRUCTION APPROVAL

project
client
drawing title
London Overground
Camden Road Station

drawing title
Proposed Station Cabling & Cont'mt
Stairs - Sections
Sheet 2 of 3
scale (A1) date drawn checked
1:50 11.02.10 JP EMO

drawing no.
CMD-ELE-P-50-2-02
revision
00



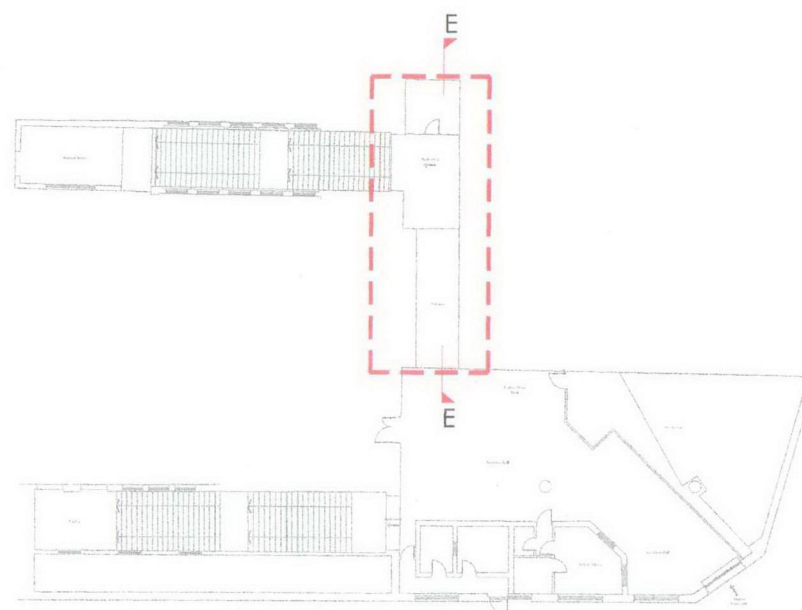
Key for CMS types

- A. 2N° 100 dia Ridgiducts for LV Power and Comms cables between draw pits, buried a minimum of 450 below finished platform level c/w draw wire refer to Detail 'A' on dwg STD-ELE-P-110-5-03.
- B. 2N° 100 dia Ridgiducts for LV Power and Comms cables to CCTV Cabinet refer to Detail 'G2' on dwg STD-ELE-P-110-5-06.
- C. 2N° 50 dia Ridgiducts for LV Power and Comms cables from draw pit to lighting column, refer to Detail 'A' on dwg STD-ELE-P-110-5-04.
- D. 1N° 50 dia Ridgiduct, refer to Detail 'A' on dwg STD-ELE-P-110-5-04.
- E. 2N° 25 dia galvanised steel conduits for LV Power and Comms cables.
- F. 1N° 25 dia galvanised steel conduit.
- G. 225x50 wide heavy duty return flanged 2-compartment galvanised steel cable tray for LV Power and Comms cables c/w heavy duty lid.
- H. 100x50 wide heavy duty return flanged 2-compartment galvanised steel cable tray for LV Power and Comms cables c/w heavy duty lid.
- J. 75x50 1 compartment galvanised steel cable trunking.
- K. 2N° 32 dia galvanised steel conduits for LV Power and Comms cables.

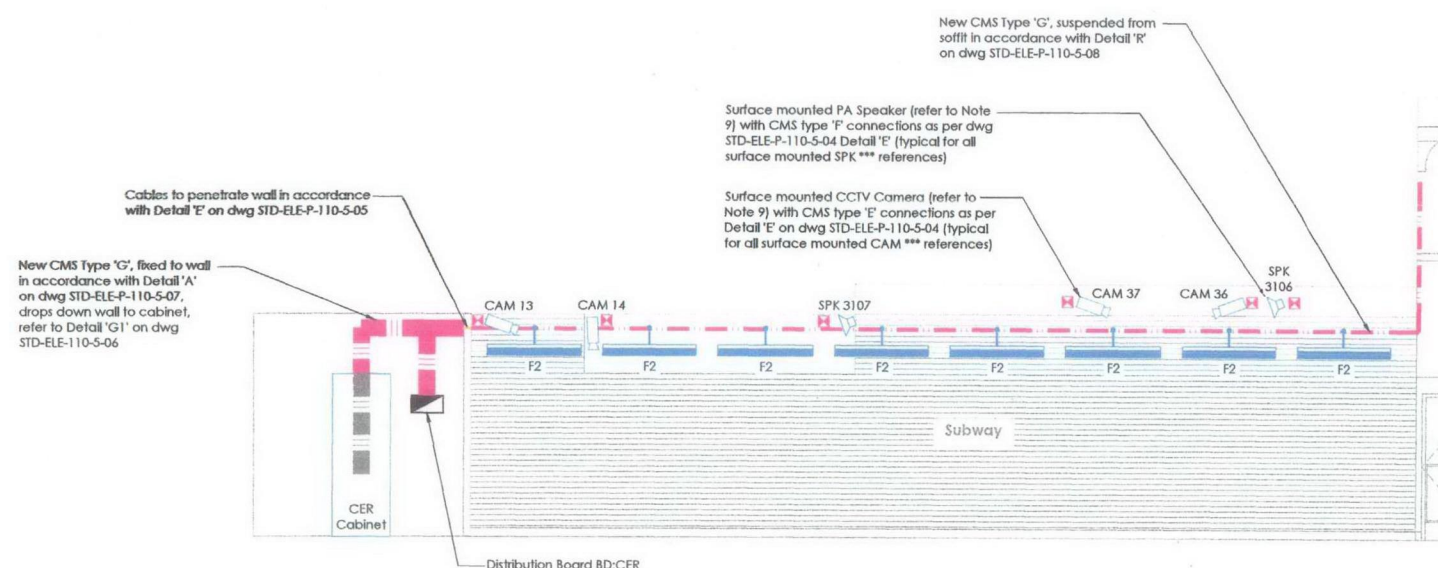
Note:

Where 90° bends are required in CMS types 'E', 'F' and 'K' a minimum bending radius of 100mm must be incorporated.

Where 90° bends are required in CMS types 'G' and 'H' a 'Flat Bend' is to be incorporated.



Subway & Stairs Key Plan
N.T.S.



Section E-E

General notes

1. This drawing is the copyright of GCP Rail Ltd, and should not be reproduced without prior written approval.
2. This drawing is to be read in conjunction with all relevant Drawings, Specifications, and Contract Documents.
3. This drawing must only be reproduced in colour.
4. All dimensions in millimetres (mm) and all levels as in metres (m). Do not scale from this drawing.
5. For Standard Notes used on Civil/Architectural (Ambience Works) drawings, refer to Drawing No. STD-PAD-P-110-5-01. For Standard Notes used on the Electrical (Ambience Works) drawings, refer to Drawing No. STD-ELE-P-110-5-01.
6. For Symbols and Abbreviations used on the Civil/Architectural (Ambience Works) drawings, refer to Drawing No. STD-PAD-P-110-5-02. For Symbols and Abbreviations used on the Electrical (Ambience Works) drawings, refer to Drawing No. STD-ELE-P-110-5-02.
7. This drawing has been produced without topographical or geometrical survey data. The relative positions of existing structures, station furniture, fixtures, etc, which are not subject to Phase 3 Ambience works, are shown indicatively. It is the responsibility of the User of this drawing to check, and verify, the accuracy of the information provided prior to its use. In the event that such verification is not undertaken no liability will be accepted for claims, additional cost or extension of time resulting from any inaccuracies contained within the information provided. All dimensions must be checked on site to ensure the proposed works can be installed correctly and in accordance with the design intent prior to commencing work.
8. All materials and workmanship shall be in accordance with current and specified standards.
9. The systems equipment design which includes Closed Circuit Television Cameras (CCTV), Public Address Speakers (PA), Customer Information Screens (CIS), Next Train Indicators (NTI), Train Information Display Screens (TIDS), Closed Circuit Television Camera Live Monitor Display Screens (CCTV DS), Public Help Points (PHP) and Induction Loops (IL) is by LOROL's System Designer. New CCTV cameras & PA speakers are shown in the general location indicated on the System Designer's CCTV Design Survey drawing. The systems equipment locations, where shown, is indicative and are provided for coordination and information purposes only. Lighting columns that support existing operational systems equipment shall not be removed until the new systems equipment is installed and operational. No reliance should be placed upon the accuracy of the systems information provided. Final connections to Systems Equipment to be by LOROL's System Designer. Structural assessment of new or existing structures supporting Systems equipment is by the Systems Designer.
10. Repair and reinforcement / replacement of any existing assets damaged by the User of these documents works is the responsibility of the User. The User shall replace the damaged asset / materials with new to a standard no less than equal quality and to the satisfaction of the Engineer. Replacement materials shall be Network Rail compliant. Repair will only be acceptable with prior written approval of the Engineer. The User shall be responsible for all direct and indirect costs associated with such damage.
11. The User of these documents shall be familiar with the Designer's Risk Assessment prior to commencement of any work on site, and shall take all appropriate measures necessary to minimise Health & Safety risks associated with the works.

project no.

1036 - 029

00 Based for Pre-Construction Approval

10/03/10

GCP Rail Ltd

42 Tabard Street
London SE1 4JZ
t: 020 7407 3367
f: 020 7357 9949

www.gcp-rail.co.uk

partnership

drawing status

PRE-CONSTRUCTION APPROVAL

project

client

LOROL
London Overground
Camden Road Station

drawing

drawing title

Proposed Station Cabling & Con'mt
Subway Sections
Sheet 3 of 3

scale (A1)

1:50

date

15.03.10

drawn

JP

checked

EMO

reference

drawing no.

CMD-ELE-P-50-2-03

revision

00