

LIGHTING NOTES

All new light sources to be LED

Luminaires:

DW Windsor Kova Surface 600 42.1W (F1W1-W2, F1W4-W17, F2W1-W16)

DW Windsor Kova Surface 600 27.2W (F1W3)

DW Windsor Kova Surface 600 36.6W (F1W18)

Retained Lighting:

The existing lighting above the ticket barriers (TB1 & TB2) and staircase lighting will be retained and resupplied from DB-C.

Emergency Luminaires:

New luminaires F1W2, F1W3, F1W5, F1W7, F1W9, F1W11, F1W13, F1W15, F1W17, F1W18, F2W2, F2W4, F2W6, F2W8, F2W10, F2W12, F2W14, F2W16 shall contain integral batteries for emergency lighting purposes. Batteries shall be capable of achieving 3 hour duration.

Cleaning & Lamp Replacement:

The design is based upon a 12 month cleaning cycle, a 20 year luminaire replacement cycle.

Lighting Control:

Footbridge lighting (excluding F1W3 & F1W18) to be controlled via integral bluetooth control unit (Casambi DC S). Unit to be programmed via the Casambi app to dim to 30% from dusk to dawn.

Lift landing, ticket barrier and staircase luminaires (F1W3, F1W18, TB1, TB2 & Staircase lights 1 - 2) to be operational at all times.

Circuit Connection:

See drawings 151667-TSA-40-MDL1-DRG-E-EP-080024 for circuit arrangement and lighting control.

The minimum levels of illumination to be achieved shall be:

Enclosed footbridge - Day - Eave 350 lux, Emin 150 lux (BS 5489-1:2020)

- Night - Eave 20 lux, Emin 10 lux (BS 5489-1:2020)

(Note: night-time lux levels to achieve 100 lux Eave in line with the existing installation and considering the illuminance levels for the footbridge approach - ie station building/ticket office and Platform 1 canopy)

Lift access - 200 lux average in front of the lift doors (BS 81-20 2020, NR/L2/CIV/193, BS EN 12464-1:2021)

Emergency Lighting:

The emergency lighting requirements are for escape route lighting which shall achieve Emin 2 lux along the centreline of the route with diversity not exceeding 40:1 and 5 lux minimum on station emergency signage (RIS-7702-NS).

Refer to lighting calculations within Form 003 for further details on calculated maintained lighting levels.

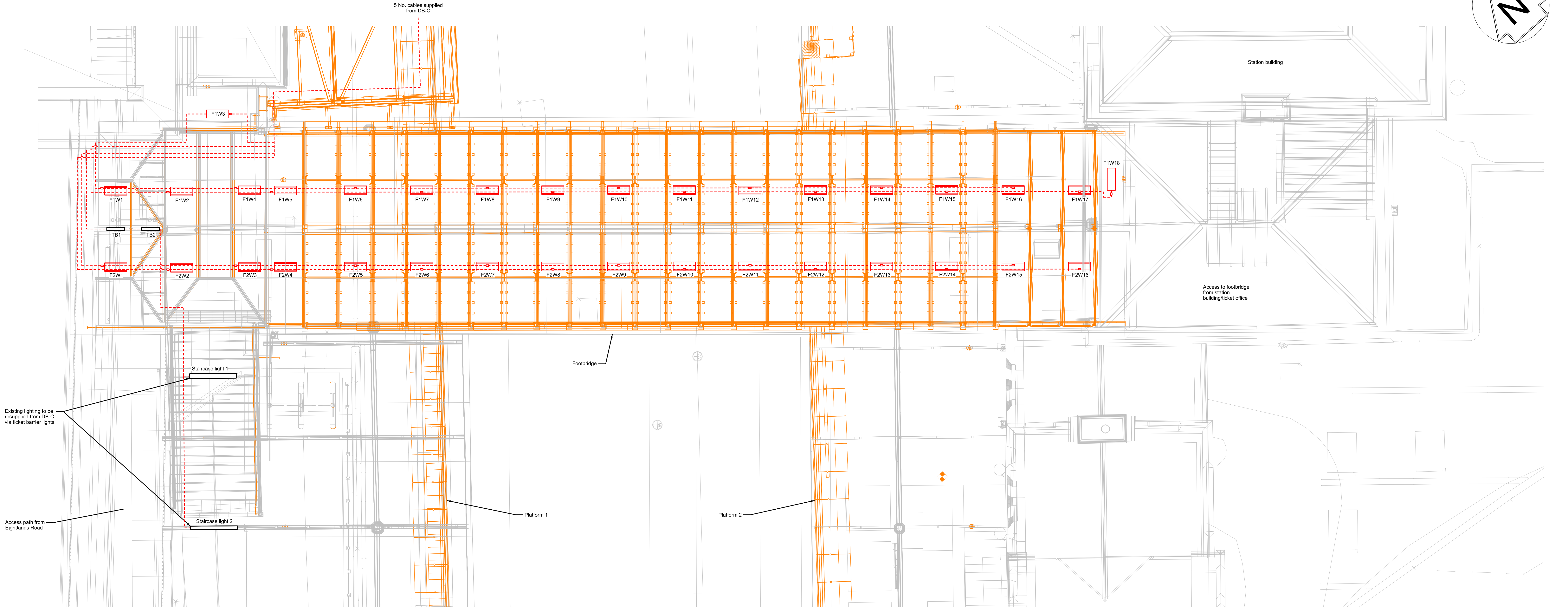
Legend:

DW Windsor Kova 600mm

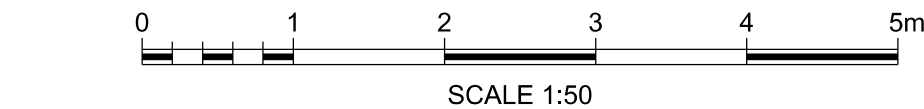
Existing ticket barrier light

Existing staircase light

Junction box



PLAN VIEW
Scale 1:50



Legend/Notes

- This drawing is for footbridge lighting only.
- All dimensions are in millimetres unless stated otherwise.
- Do not scale from drawing.
- Unless otherwise stated installation works shall be carried out in accordance with all relevant railway group & network rail company standards.
- All wiring and electrical installation works shall be carried out in accordance with the 18th Edition of the IET wiring regulations BS 7671:2018+A2:2022 and the Electricity at Work regulations (1989).
- Unless otherwise stated all redundant materials are to be removed.
- New footbridge lighting to be supplied from new DC-C cubicle located under the canopy on Platform 1. See 151667-TSA-40-MDL1-DRG-E-DS-080007 for location details.
- To be read in conjunction with:

Drawings:

- 151667-TSA-40-MDL1-DRG-E-DS-080007, W4 - E&P - Dewsbury Station - Proposed Platform Lighting General Arrangement
- 151667-TSA-40-MDL1-DRG-E-DS-080008, W4 - E&P - Dewsbury Station - Earthing & Bonding Schematic
- 151667-TSA-40-MDL1-DRG-E-DS-080017, W4 - E&P - Dewsbury Station - Platform Lighting Removals General Arrangement
- 151667-TSA-40-MDL1-DRG-E-DS-080018, W4 - E&P - Dewsbury Station - Earthing and Bonding Layout Drawing
- 151667-TSA-40-MDL1-DRG-E-DS-080021, W4 - E&P - Dewsbury Station - Footbridge Lighting Removals General Arrangement
- 151667-TSA-40-MDL1-DRG-E-EP-080005, W4 - E&P - Dewsbury Station - LV Schematic Removals
- 151667-TSA-40-MDL1-DRG-E-EP-080016, W4 - E&P - Dewsbury Station - Proposed Switch Room Schematic
- 151667-TSA-40-MDL1-DRG-E-EP-080016, W4 - E&P - Dewsbury Station - Platform 1 Cubicle General Arrangement
- 151667-TSA-40-MDL1-DRG-E-EP-080023, W4 - E&P - Dewsbury Station - Proposed Platform 2 Schematic
- 151667-TSA-40-MDL1-DRG-E-EP-080024, W4 - E&P - Dewsbury Station - Proposed Platform 1 Schematic

W4 CDM hazard record.
151667-TSA-W4-MDL1-REG-W-SS-000001

Colour Code

- Proposed
- To be removed
- To be modified
- Existing
- Passive provision
- OCLZ
- Proposed works by other disciplines

Safety, Health and Environmental Information
For Health and Safety Information, refer to discipline specific Project Hazard Record.

P01	26/11/25	For GRIP 5 IDC	HH	DR	DR
P02.4	02/02/26	For DRN	HH		

Rev	Date	Description of Revisions	Drawn	Chkd	Appr

Initial Status WIP

S0



Authorised: Signed: Date:

Contractor(s)

TRU West Alliance

Location: THORNHILL LNW JN - HOLBECK EAST JN (MIRFIELD - LEEDS)
Type: CAD Drawing
Role: Electrical Engineer
Zone: Dewsbury to Batley - Area A
Project: Proposed

Project Stage: GRIP 5

Transpennine Route Upgrade

Contract No.

151667

Contract Title

TRU - West of Leeds

Drawing Title

W4 - E&P - Dewsbury Station - Proposed Footbridge Lighting General Arrangement

Designed	H.Hawkins	Signed	Date
Drawn	H.Hawkins	Signed	Date
Checked		Signed	Date
Approved		Signed	Date
Scales	ELR & Mileage		
As Shown	32.0342	to	42.0132
Alternative Reference		Sheet	1 of 1

Drawing Number
151667-TSA-40-MDL1-DRG-E-DS-080019
Revision
P02.4