

Appendix O: Lighting Strategy



**METCONNX
BYFORD RAIL EXTENSION
BYFORD STATION
LIGHTING CONCEPT PACK**

**REVISION 03 - IDD IDC
16 JUNE 2023**

Metronet - Byford Rail Extension

MetCONNX BYFORD RAIL EXTENSION
BYFORD STATION
LIGHTING CONCEPT PACK

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BYFORD STATION EXTERIOIR AND LANDSCAPE LIGHTING LAYOUT

RAIL RESERVE BOUNDARY

REFER TO INDICITIVE PLATFORM LIGHTING DESIGN

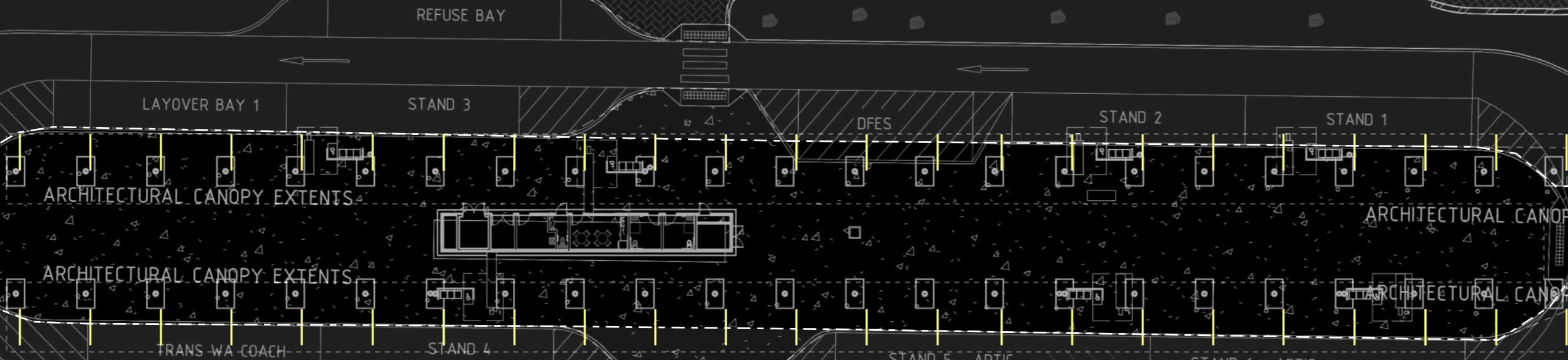
CEILING MOUNTED LIGHT PORJECTORS TO THROW LIGHT OVER PEDESTRIAN LEVEL CROSSING

POLE LIGHTING TO ILLUMINATE FURNITURE SPACES OUTSIDE STATION BUILDINGS

LIGHTING BY ESD

ARCHITECTURAL CANOPY EXTENTS

ARCHITECTURAL CANOPY EXTENTS



LED LINEAR PROFILES SET INTO THE BUS INTERCHANGE CANOPY DOWNLIGHTING FROM ABOVE. SIMILARLY LINEARS ARE PROPOSED FOR KISS AND RIDE AND TRANSITIONARY CANOPIES.

CANOPY LIGHTING STRATEGY ASSISTS WITH WAYFINDING BETWEEN STATION AND OTHER TRANSPORT OPTIONS



CLUSTER OF OUTDOOR SPOT LIGHTS FIXED TO 8M SEESAW TYPE POLE TO ILLUMINATE PLAZA AREAS



LED LINEAR PROFILES SET INTO THE PITCHED CANOPY CEILING DOWNLIGHTING PATHWAY FROM ABOVE AND BRIGHTLY LIGHTING KEY ENTRANCE AREA



CLUSTER OF OUTDOOR SPOT LIGHTS FIXED TO 8M SEESAW TYPE POLE TO ILLUMINATE PLAZA AREAS

DRAINAGE BASIN - REFER TO CIVIL DOCUMENT

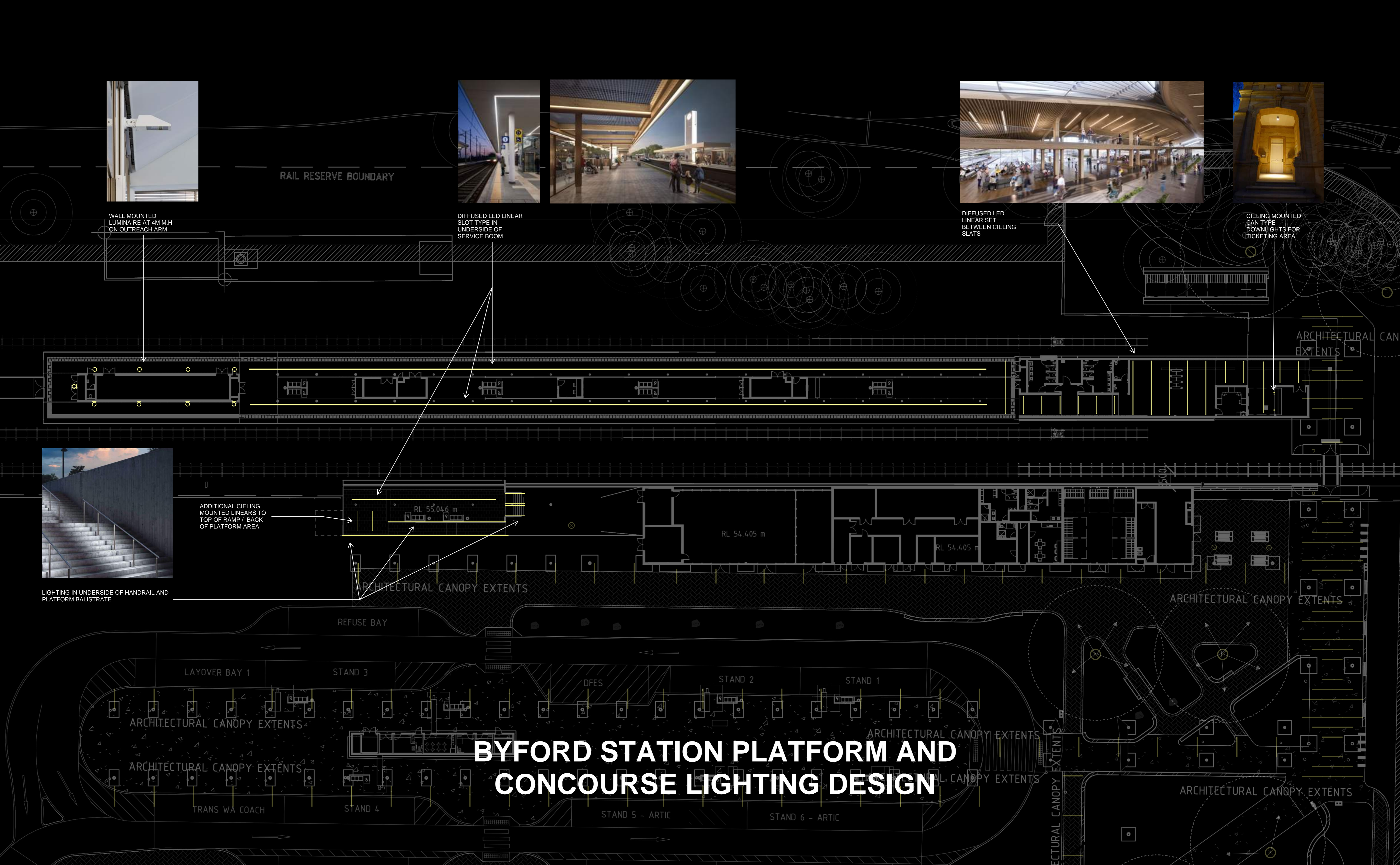
The lighting concept depicted above is illustrative only and requires further development.

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L I G H T I N G D E S I G N



BYFORD STATION PLATFORM AND CONCOURSE LIGHTING DESIGN

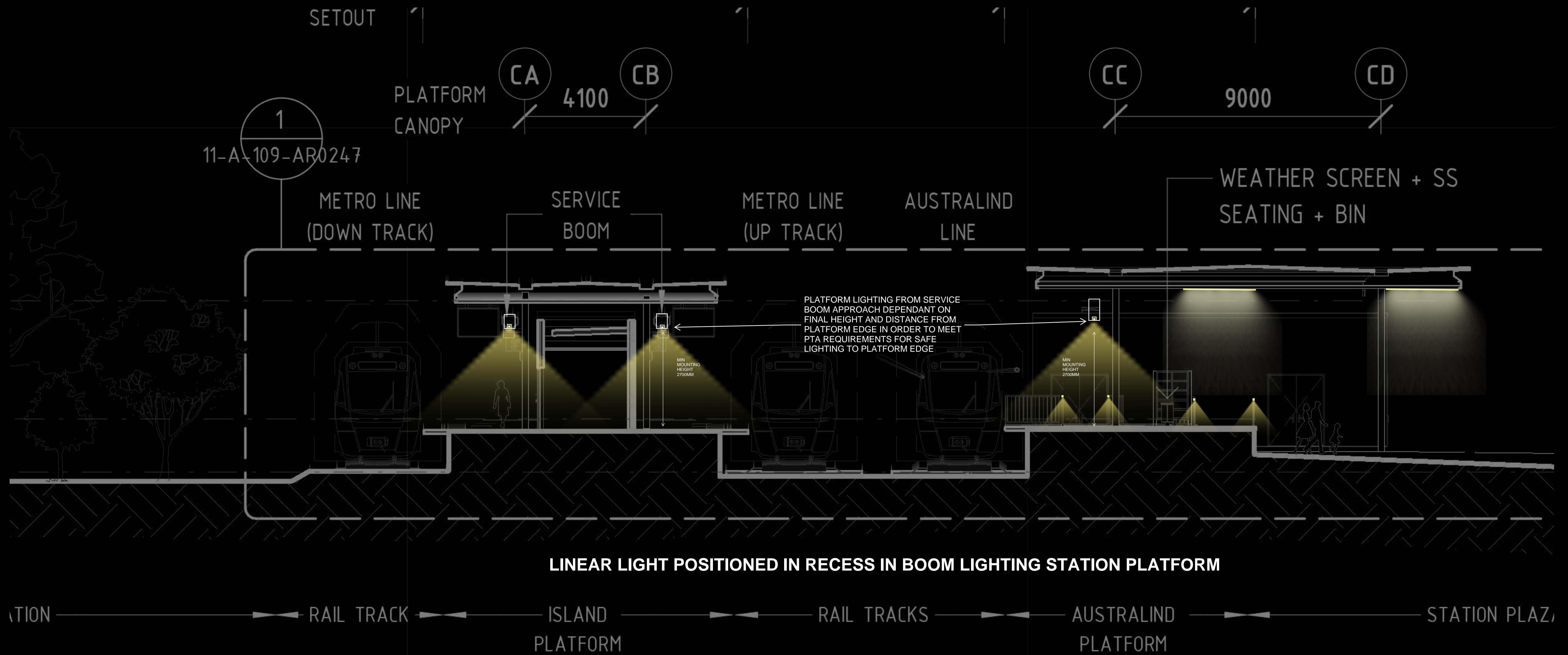
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LIGHTING DESIGN



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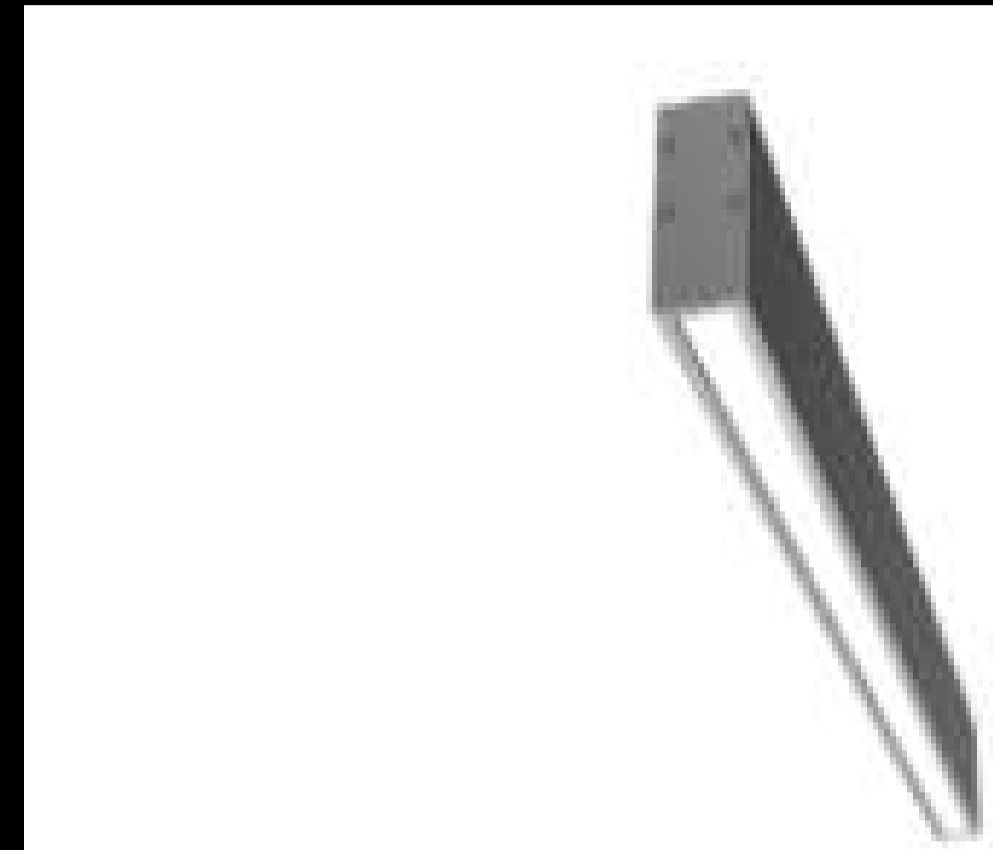
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 LIGHTING DESIGN

STATION BUILDINGS LUMINAIRE PALLETTE



DIFFUSED LINEAR PROFILES ARE PROPOSED FOR THE CONCOURSE AND CANOPIES AROUND THE PRECINCT. THE LINEARS WILL BE SET INTO THE CIELING BETWEEN TIMBER BATTENS. ADDITIONALLY LINEAR PROFILES WILL BE INTERGRATED INTO THE UNDERSIDE OF THE SERVICE BOOM ON THE PLATFORMS PROVIDING GENERAL SAFE LIGHTING.



WALL MOUNTED LUMINAIRES WILL BE USED BEYOND THE EXTENT OF THE PLATFORM CANOPY UPON THE STATION BUILDING SURFACE TO PROVIDE GENERAL SAFE LIGHTING TO THE PLATFORM AREA.

FLEXIBLE LINEAR NEON IS TO BE INTERGRATED INTO THE UNDERSIDE OF STAIR AND RAMP HANDRAILS ON THE AUSTRALIND PLATFORM.



POLE TOP LUMINAIRES WILL BE USED FOR AREA LIGHTING WITHIN THE PRECINCT TO CREATE INVITING AND SAFE SPACES AT NIGHT.

POLE MOUNTED PROJECTORS ARRANGED IN CLUSTERS WILL THROW POOLS OF LIGHT TO PLAZAS AND LANDSCAPED AREAS TO PROVIDE WELCOMING AND SAFE LIGHT LEVELS.

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METRONET - BYFORD RAIL EXTENSION
Byford Luminaire Pallette Concept

NDYLIGHT
LIGHTING DESIGN



1,900K Candle
2,200K High Pressure Sodium Lamp
2,700-3,000K Warm White Halogen Incandescent
4,000-4,500K Natural White Metal Halide
4,800K Direct Sun
5,000-6,000K Day White
7,000-7,500K Cool White
10,000K Blue Sky



3000K
4000K

WARMER COLOUR TEMPERATURE TREATMENT OF STATION BUILDINGS AND PLAZA AREAS CREATES A WELCOMING FEEL TO THESE AREAS WITHIN THE PRECINCT. THIS IS ENHANCED BY WARM ARCHITECTURAL AND LANDSCAPE TEXTURES TO CREATE A COMFORTING AND SAFE FEELING IN THESE AREAS. THIS EFFECT WILL ALSO HELP WITH WAYFINDING BY CREATING A PATH OF CONSISTENT LIGHT FROM KEY ENTRANCES. MOVEMENT AT NIGHT THROUGH THE REMAINDER OF THE PRECINCT IS ENCOURAGED BY A COOLER TEMPERATURE IN CONTRAST.



COLOUR TEMPERATURE MAPPING

The lighting concept depicted above is illustrative only and requires further development.

METRONET - BYFORD RAIL EXTENSION
 Byford Colour Temperature Mapping Concept

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