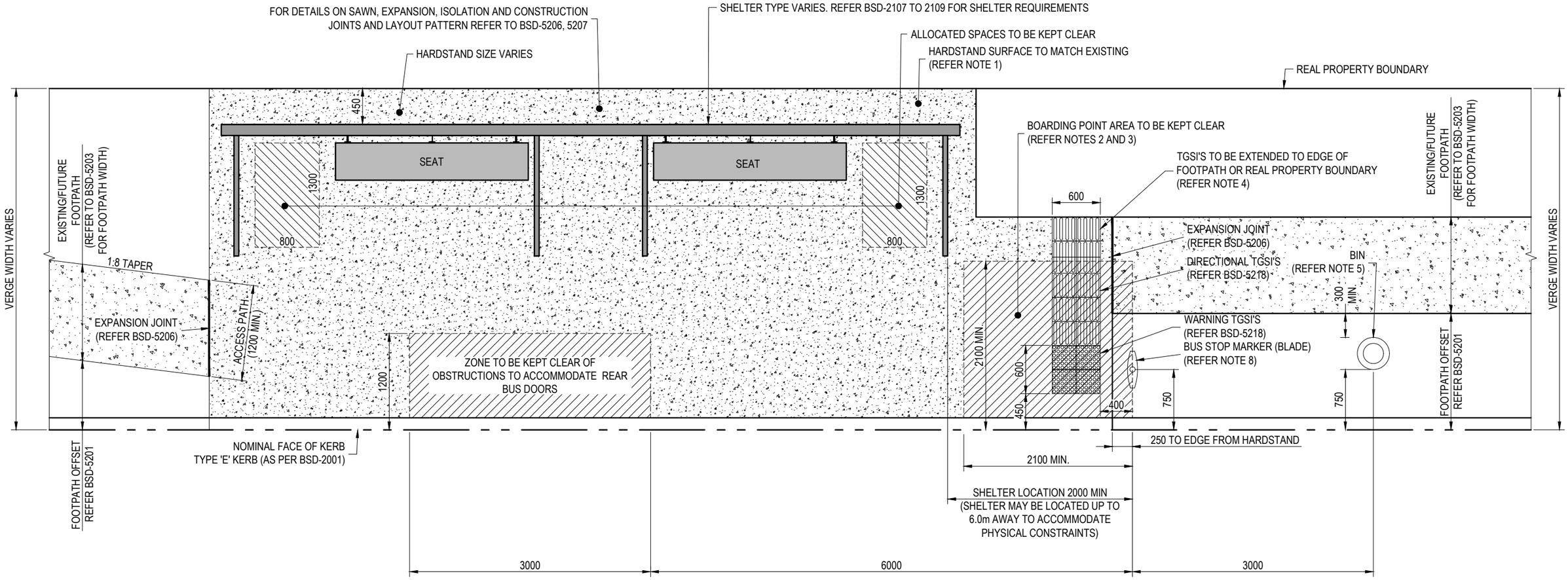

PREMIUM BUS STOP

TABLE 1: LED LUMINAIRES EFFICACY REQUIREMENTS

	LED LAMPS		LED LUMINAIRES (SMALL)	LED LUMINAIRES (LARGE) + PLANAR, BATTENS & TROFFERS
	DIRECTIONAL & NON-DIRECTIONAL LAMPS	LINEAR LED (TUBE)	LUMINOUS FLUX ≥ 100 lm & < 2,500 lm	LUMINOUS FLUX ≥ 2,500 lm & < 5,000 lm
EFFICACY	≥65 lm/W	≥100 lm/W	≥65 lm/W	≥90 lm/W
	≥85 lm/W (2020)	≥110 lm/W (2020)	≥85 lm/W (2020)	≥110 lm/W (2020)
	≥100 lm/W (2023)	≥120 lm/W (2023)	≥110 lm/W (2023)	≥120 lm/W (2023)

LIGHTING NOTES:

L1. ILLUMINATION WITHIN THE BUS SHELTER TO COMPLY WITH AS1158.3.1 - LIGHTING FOR ROADS AND PUBLIC SPACES - PART 3.1: PEDESTRIAN AREA (CATEGORY P) LIGHTING - PERFORMANCE AND DESIGN REQUIREMENTS SUB CATEGORY P6.

L2. LUMINAIRE/LIGHT IS TO BE POSITIONED AT THE FRONT OF THE SHELTER FROM THE ROOF, LIGHTING IS TO NOT ADVERSELY IMPACT ON THE ADJACENT TRAFFIC.

L3. LUMINAIRE IS TO BE PRE-WIRED INTO THE SHELTER .

L4. SWITCHBOARD FOR THE SHELTER IS TO BE LOCATED IN THE REAR POST. PE CELL IS TO BE LOCATED ON THE SAME POST IN A POSITION THAT WILL NOT BE IMPACTED BY LIGHTING IN THE PROXIMITY.

L5. LIGHT SOURCE IS TO BE LED WITH A CORRELATED COLOUR TEMPERATURE OF 4000K.

L6. ANY LED LUMINAIRES USED FOR BRISBANE CITY COUNCIL SHOULD COMPLY WITH THE EFFICACY REQUIREMENTS OF THE DRAFT AUSTRALIAN GOVERNMENT MEPS (MINIMUM ENERGY PERFORMANCE STANDARDS) FOR LED LIGHTING AS SHOWN IN TABLE 1.

NOTES:

1. IF CONCRETE, HARDSTANDS TO BE 125mm THICK SURFACE BROOM FINISHED (FOR SLIP RESISTANCE) GRADE N32 CONCRETE. SL72 MESH PLACED CENTRALLY.
2. BOARDING POINT AREA TO HAVE CROSSFALL OF 1 IN 40 MAX. WHERE BOARDING POINT HAS A CROSSFALL OF GREATER THAN 1 IN 40, REFER INFRASTRUCTURE DESIGN PLANNING SCHEME POLICY FOR ALTERNATIVE OPTIONS.
3. LONGITUDINAL GRADE TO MATCH EXISTING ROAD.
4. WHOLE TACTILE GROUND SURFACE INDICATOR (TGSI) TO BE PLACED AT END. TGSI's TO BE CUT TO ENSURE NO TGSI IS LESS THAN 150mm.
5. BIN TO BE APPROVED BY WASTE & RESOURCE RECOVERY SERVICES.
6. STORM WATER SOLUTION TO BE ASSESSED ON A SITE-BY-SITE BASIS.
7. REFER INFRASTRUCTURE DESIGN PLANNING SCHEME POLICY FOR LAYOUT AND ON-ROAD REQUIREMENTS.
8. BLADE SIGN TO TRANSLINK BUS NETWORK INFRASTRUCTURE SIGNAGE MANUAL SIGN IS-10a
9. DIMENSIONS IN MILLIMETRES (U.N.O.).

ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE
D	Bus Stop Shelter Lighting Requirements Added	JUN '18	JUL '18	NOV '18
C	Note 8 Added	MAR '16	JUL '16	JUL '16
B	Drawing Revised	JAN '15	JAN '15	JAN '15
A	Drawing Converted from UMS Series April 2014	APR '14	APR '14	APR '14

DRAWING AUTHORISED FOR PUBLICATION
P.COTTON SIGNATURE ON ORIGINAL
DATED 21/03/06 R.P.E.Q: 2546
MANAGER CITY ASSETS

DESIGN APPROVED
B.HANSON SIGNATURE ON ORIGINAL
DATED 13/03/06
PRINCIPAL ENGINEER
STRATEGIC INFRASTRUCTURE MANAGEMENT

DESIGN	DBS City Design	DATE	May '04
DRAWN	MAB City Design	DATE	May '04
CHECKED	DJL City Assets	DATE	Nov '05
DRAWING FILENAME	BSD-2103 (D) Premium bus stop		
ASSOCIATED PLANS	SUPERCEDES UMS-271		

BRISBANE CITY

BRISBANE CITY COUNCIL STANDARD DRAWING

PREMIUM BUS STOP

SCALE: NOT TO SCALE
DWG No.: BSD-2103
ORIGINAL SIZE: A3
REVISION: D