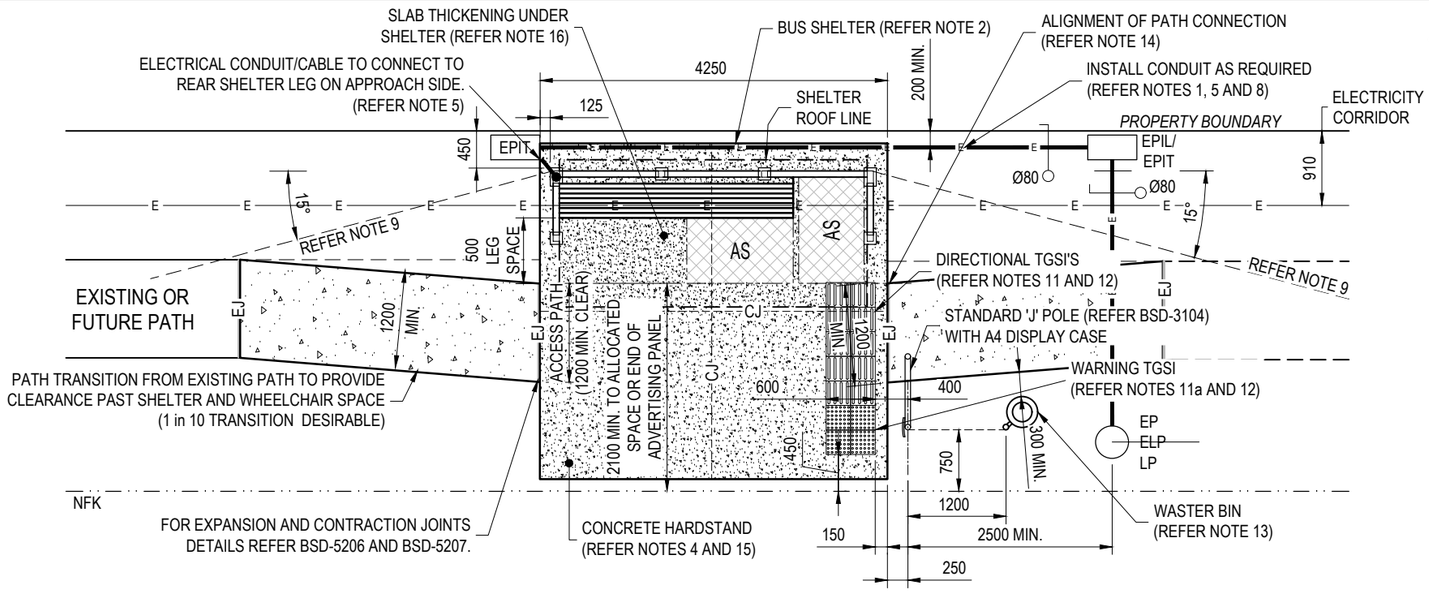
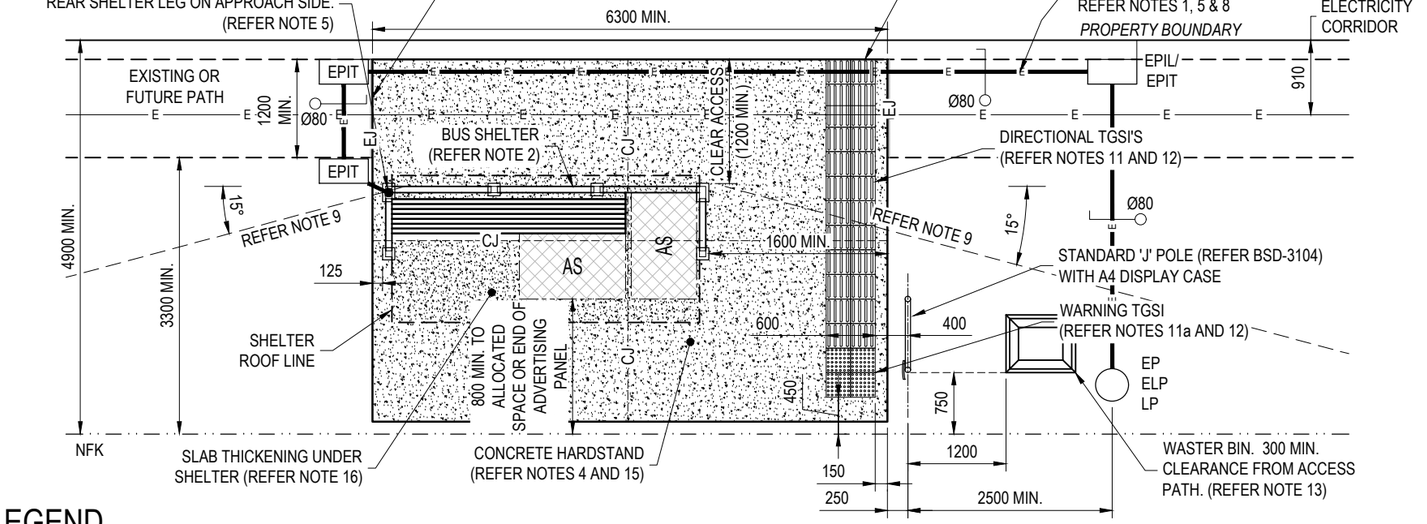


PLAN STANDARD TRANSLINK SUBURBAN SHELTER - FOOTPATH THROUGH STOP

N.T.S.

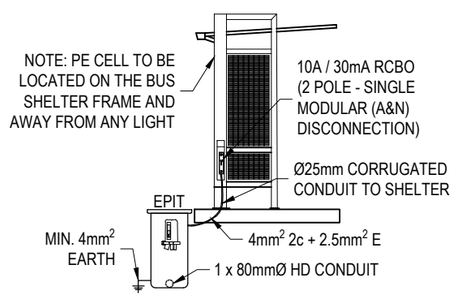


PLAN STANDARD TRANSLINK SUBURBAN SHELTER - FOOTPATH BEHIND STOP

N.T.S.

LEGEND

- Ø80 — Ø80 uPVC ORANGE (HD) CONDUIT WITH CABLE PROTECTION COVER STRIP
- WARNING TACTILE GROUND SURFACE INDICATORS AS PER *AS/NZS1428.4.1* (REFER NOTES 11a AND 12)
- DIRECTIONAL TACTILE GROUND SURFACE INDICATORS AS PER *AS/NZS1428.4.1* (REFER NOTES 11 AND 12)
- AS — ALLOCATED SPACE FOR PERSONS WITH A DISABILITY (PWD) (1300x800)
- NFK — NOMINAL FACE OF KERB



PIT TO SHELTER ELECTRICAL CONNECTION

N.T.S.

TABLE 1: LED LUMINAIRES EFFICACY REQUIREMENTS

	LED LAMPS		LED LUMINAIRES (SMALL)	LED 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

NOTES

1. TO BE READ IN CONJUNCTION WITH TRANSLINK DRAWINGS.
2. SHELTERS TO BE CONSTRUCTED AND INSTALLED TO TRANSLINK DRAWINGS 5-0402 (SUBURBAN SHELTER WITHOUT ADVERTISING PANEL OR 5-0401 (SUBURBAN SHELTER WITH ADVERTISING PANEL).
3. MINIMUM CLEAR ACCESS OF 1.2m REQUIRED BETWEEN ALL INFRASTRUCTURE PAST ALLOCATED SPACES FOR PERSONS WITH A DISABILITY.
4. WHERE BUS STOP BOARDING SLAB HAS A CROSSFALL GREATER THAN 1 in 40 (IN BOTH DIRECTIONS) OR VERGE IS LESS THAN MINIMUM WIDTH SHOWN, REFER TO BRISBANE CITY COUNCIL PUBLIC TRANSPORT FACILITIES FOR DDA COMPLIANCE ADVICE.
5. 600 MIN. COVER TO CONDUITS. ALL CONDUITS TO Ø80mm (U.N.O.). EACH CONDUIT TO BE FITTED WITH 6mm BRAID POLYPROPYLENE ROPE TO PULL IN HAUL ROPE WITH BREAKING STRAIN OF 1.0kN. AT THE EPIT ON THE APPROACH SIDE OF THE SHELTER A Ø25mm CORRUGATED CONDUIT IS TO BE PROVIDED COMPLETE WITH 6mm BRAID POLYPROPYLENE ROPE.
6. CONCRETE HARDSTANDS TO BE CONSTRUCTED TO BSD-2104.
7. THE ALIGNMENT AND DEPTHS OF EXISTING SERVICES SHALL BE PROVEN ON SITE PRIOR TO ANY EXCAVATION. CONTACT "DIAL BEFORE YOU DIG" ON TEL. NO. 1100 FOR THE LOCATION OF SERVICE AUTHORITY ASSETS.
8. POINT OF SUPPLY PRIORITY:
   1. EP/ELP (ELECTRICITY POWER/LIGHT POLE)
   2. EPIL (ELECTRICITY PILLAR)
   3. EPIT (ELECTRICITY No.4 PIT)
   4. LP (STREET LIGHT POLE)
9. WHERE PLANTINGS ARE PROVIDED, USE ONLY GROUND COVER OR LOW SHRUBS (<0.5m HIGH). TREES FOR SHADE SHOULD BE LONG-TRUNKED WITH MINIMUM BRANCH HEIGHT OF 4.5m. PLANTINGS SHOULD NOT OBSTRUCT LINE OF SIGHT BETWEEN APPROACHING VEHICLES AND LIGHT BOX DISPLAY. (PUBLIC TRANSPORT TO APPROVE LAYOUT).
10. REFER TO BSD-5202 AND BSD-5206 FOR EXPANSION JOINT (EJ) AND CONTRACTION JOINT (CJ) CONSTRUCTION DETAILS. LOCATION ON DRAWING IS INDICATIVE ONLY AND TO BE CONFIRMED BY THE SUPERINTENDENT ON SITE.
11. CUTTING OF TGSI:
    a. NO WARNING TGSI SHALL BE CUT;
    b. CUTTING OF DIRECTIONAL TGSI SHALL BE KEPT TO A MINIMUM;
    c. WHERE DIRECTIONAL TGSI ARE TO BE CUT, THEY SHALL BE CUT IN ADJACENT PAIRS;
    d. THE MINIMUM LENGTH OF EACH OF THE CUT TGSI'S PAIRS SHALL NOT BE LESS THAN 150mm, MEASURED IN THE DIRECTION OF THE PATH OF TRAVEL;
    e. THE PAIR OF DIRECTIONAL TGSI AT THE END OF THE PATH OF TRAVEL SHALL NOT BE CUT.
12. TGSI TYPE, COLOUR AND INSTALLATION AS PER BSD-5218.
13. WASTE BIN TO BE APPROVED BY COUNCIL.
14. PATH CONNECTION TO ALIGN WITH ALLOCATED SPACE ON SUBURBAN SHELTERS WITHOUT ADVERTISING PANEL OR WITH THE END OF ADVERTISING PANEL ON SUBURBAN SHELTERS WITH ADVERTISING PANEL.
15. CONCRETE, HARDSTANDS TO BE 125mm THICK SURFACE BROOM FINISHED (FOR SLIP RESISTANCE) GRADE N32 CONCRETE. SL72 MESH PLACED CENTRALLY.
16. THE CONCRETE SLAB UNDER THE SHELTER SHALL BE THICKENED FROM 125mm TO 150mm FOR UPLIFT AND FIXING. MINIMUM ARE TO BE 4250 (ALONG THE REAR PANEL OF THE SHELTER) x 2000m. THE SHELTER SHALL BE CENTRALLY LOCATED ALONG THE LONG EDGE OF THE SLAB WITH THE REAR PANEL AT 250mm FROM THE EDGE OF THE SLAB (U.N.O.). FIXINGS SHALL BE N12 CHEMSET 801 HDG ANCHORS .
17. BOARDING POINT AREA TO HAVE CROSSFALL OF 1 IN 40 MAX. WHERE BOARDING POINT HAS A CROSSFALL OF GREATER THAN 1 IN 40, REFER TO COUNCIL FOR ALTERNATIVE OPTIONS.
18. LONGITUDINAL GRADE TO MATCH EXISTING ROAD.
19. ALL DIMENSIONS ARE IN MILLIMETERS (U.N.O.).

LIGHTING NOTES:

L1. ILLUMINATION WITHIN THE BUS SHELTER TO COMPLY WITH *AS/NZS1158.3.1* - LIGHTING FOR ROADS AND PUBLIC SPACES - PART 3.1: PEDESTRIAN AREA (CATEGORY P) LIGHTING - PERFORMANCE AND DESIGN REQUIREMENTS SUB CATEGORY PA1.

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 AND A COLOUR RENDERING INDEX (CRI) Ra ≥80.

L6. LED LUMINAIRES OR LAMPS USED FOR BRISBANE CITY COUNCIL SHALL COMPLY WITH THE FOLLOWING MINIMUM ENERGY PERFORMANCE STANDARDS (MEPS) EFFICACY REQUIREMENTS AS SHOWN IN TABLE 1. THE EFFICACY CALCULATION SHALL BE BASED ON INITIAL LUMINOUS FLUX MEASUREMENTS ACCORDING TO CIE S 025/E (OR IES LM-79).

L7. THE LUMINAIRE DISTRIBUTOR SHOULD ALSO SUPPLY PHOTOMETRIC DATA (IN IES AND/OR CIE FORMAT) FROM A NATA ACCREDITED LABORATORY OR A LABORATORY, WHOSE ACCREDITATION IS RECOGNISED BY NATA UNDER THE MUTUAL RECOGNITION SCHEME.

L8. THERE IS NO REQUIREMENT FOR ADDITIONAL PUBLIC SAFETY LIGHT (STREET LIGHT) NEAR A BUS SHELTER, OVER AND ABOVE LIGHTING REQUIRED TO COMPLY WITH *AS/NZS1158.*

BRISBANE CITY

BRISBANE CITY COUNCIL STANDARD DRAWING

STANDARD TRANSLINK SUBURBAN SHELTER WITHOUT ADVERTISING PANEL TYPICAL LAYOUT

PUBLISH DATE	MAR 2021
SCALE	NOT TO SCALE
DRAWING NUMBER	BSD-2109
ORIGINAL SIZE	A3
REVISION	E