

General Notes

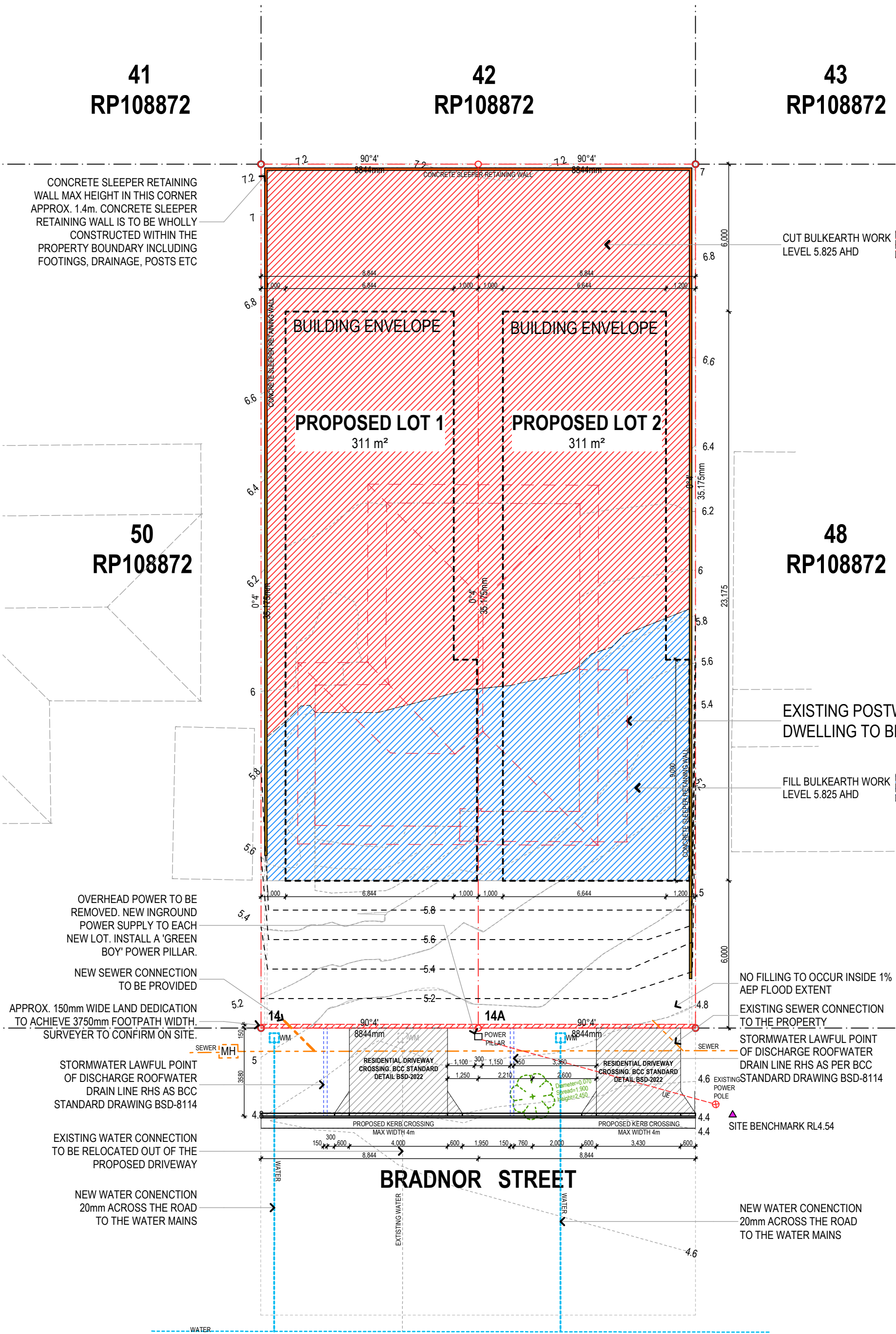
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05/06/2026

APPLICATION REF

A007000369



02/06/2026 TP BCC RFI 01 JME
26/03/2026 TOWN PLANNING APPLICATION JME

Date	Details	Rev	Drawn
02/06/2026	TP BCC RFI 01	1	JME

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JOE EVANS
DESIGN & DRAFTING

CLIENT
TRISTAN & ALYCE SUGDEN
SIMON & PETER BLEIER

PROJECT
1 INTO 2 LOT SUBDIVISION

ADDRESS
14 BRADNOR STREET
CARINA
QLD 4152

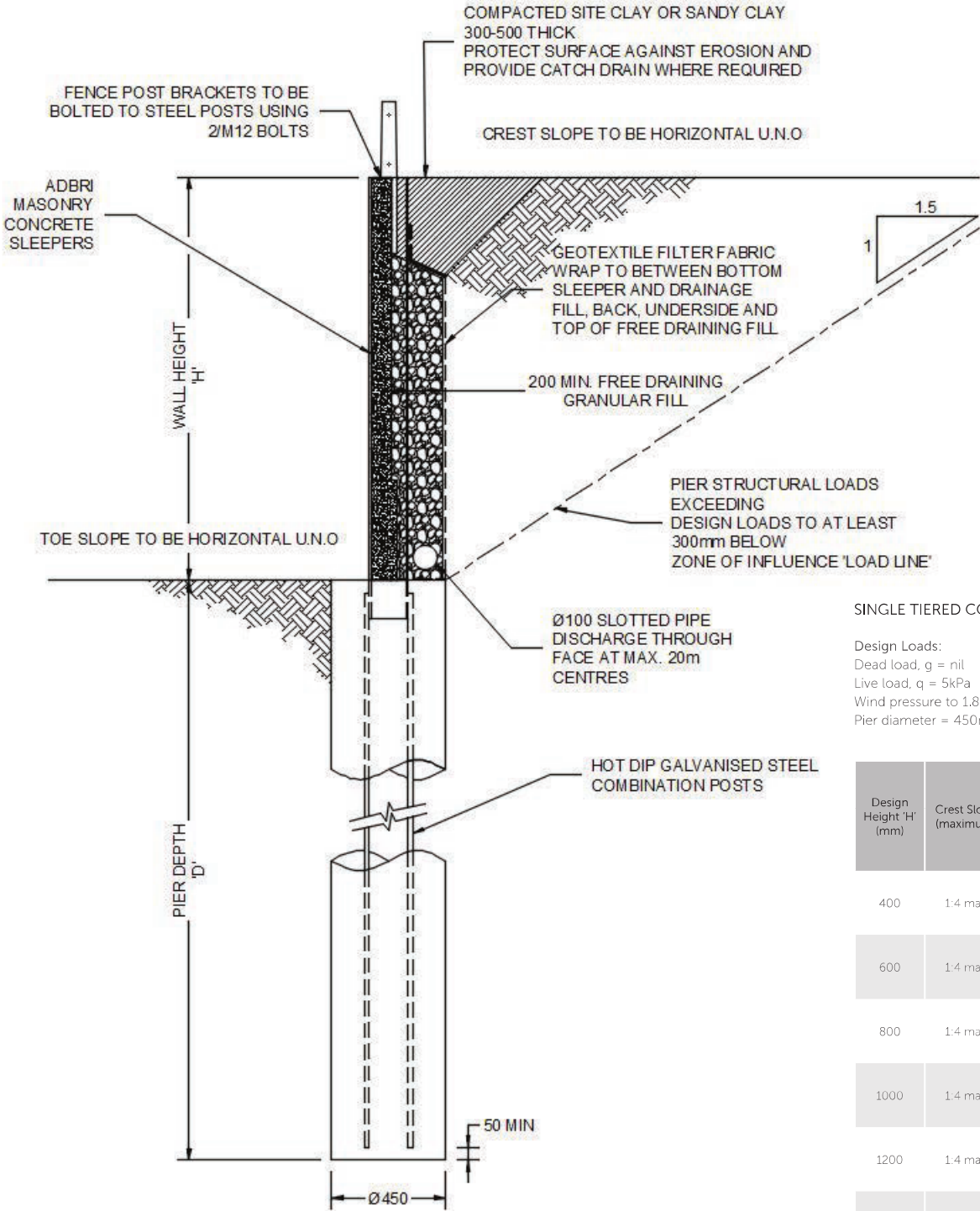
DRAWING TITLE
SUBDIVISION PLAN

SCALE @ A3	DRAWN:	CHECKED:
1:150	JME	JME

PROJECT NUMBER	DRAWING NUMBER	ISSUE
2601	TP.01	C

General Notes

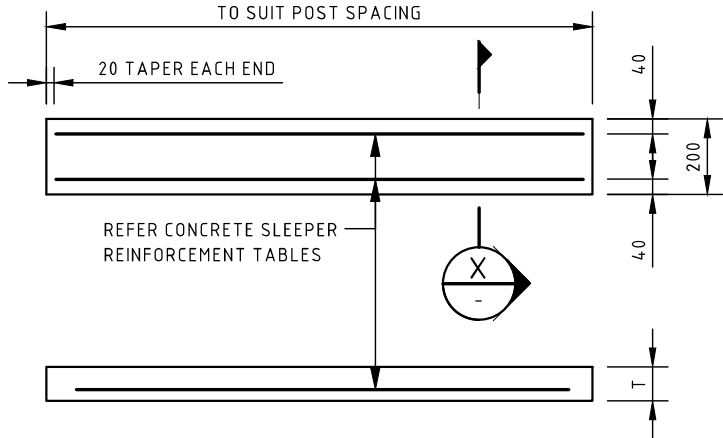
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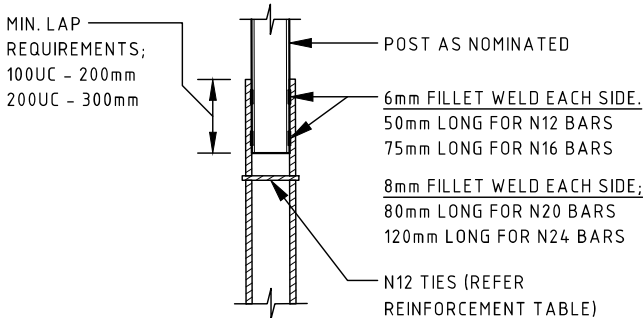
SINGLE TIERED CONCRETE SLEEPER RETAINING WALLS FOR WIND REGION C, $\phi = 30$ degrees (INDICATIVE CLAYEY SAND)

Design Loads:	Soil Parameters
Dead load, $g = \text{nil}$	Characteristic retained internal friction angle, $\phi = 30$ degrees
Live load, $q = 5\text{kPa}$	Retained soil density, $\gamma_i = 19\text{kN/m}^3$
Wind pressure to 1.8m high fence = 1.3kPa	Characteristic foundation internal friction angle, $\phi = 30$ degrees
Pier diameter = 450mm	Characteristic cohesion (for foundation), $c = 2\text{kPa}$

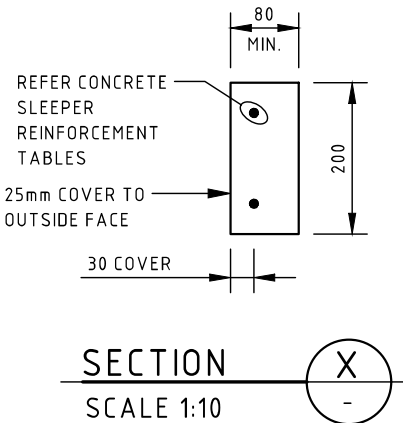
Design Height 'H' (mm)	Crest Slope (maximum)	2000 SLEEPER LENGTH			2400 SLEEPER LENGTH		
		Sleeper designation* (qty @ thickness in mm)	Steel Post Required	Pier Depth (mm)	Sleeper designation* (qty @ thickness in mm)	Steel Post Required	Pier Depth (mm)
400	1:4 max	2 @ 80	B-2000 ^A or 100 UC 14.8	1400	2 @ 80	B-2000 or 100 UC 14.8	1500
600	1:4 max	3 @ 80	B-2000 or 100 UC 14.8	1500	3 @ 80	B-2000 or 100 UC 14.8	1600
800	1:4 max	4 @ 80	B-2600 ^A or 100 UC 14.8	1600	4 @ 80	B-2600 or 100 UC 14.8	1800
1000	1:4 max	5 @ 80	B-2600 or 100 UC 14.8	1800	5 @ 80	B-2600 or 100 UC 14.8	1900
1200	1:4 max	top 5 @ 80, 1 @ 100 btm	C-3500 – ^A or 200 UB 18.2	2000	top 5 @ 80, 1 @ 100 btm	C-3500 – ^A or 200 UB 18.2	2100
1400	1:4 max	top 5 @ 80, 2 @ 100 btm	C-3500 = or 200 UB 18.2	2200	top 5 @ 80, 2 @ 100 btm	C-3500 or 200 UB 18.2	2400
1600	1:4 max	top 5 @ 80, 3 @ 100 btm	C-3900 or 200 UB 18.2	2400	top 5 @ 80, 3 @ 100 btm	C-3900 or 200 UB 18.2	2600
1800	1:4 max	top 5 @ 80, 4 @ 100 btm	C-3900 or 200 UB 18.2	2600	top 5 @ 80, 4 @ 100 btm	C-4400 or 200 UB 18.2	2800
2000	1:4 max	top 5 @ 80, 5 @ 100 btm	C-4400 or 200 UB 18.2	2800	top 5 @ 80, 5 @ 100 btm	D-4900 or 200 UB 22.3	3100
2200	1:4 max	top 6 @ 80, 5 @ 100 btm	D-4900 or 200 UB 22.3	3000	top 5 @ 80, 5 @ 100, 1 @ 120 btm	D-5500 or 200 UB 22.3	3300
2400	1:4 max	top 6 @ 80, 6 @ 100 btm	D-5500 or 200 UB 22.3	3300	top 5 @ 80, 5 @ 100, 2 @ 120 btm	E-5900 or 250 UB 25.7	3500
2600	1:4 max	top 6 @ 80, 7 @ 100 btm	E-5900 or 250 UB 25.7	3500	top 5 @ 80, 5 @ 100, 3 @ 120 btm	E-5900 or 250 UB 31.4	3800
2800	1:4 max	top 6 @ 80, 8 @ 100 btm	E-5900 or 250 UB 31.4	3700	top 5 @ 80, 5 @ 100, 4 @ 120 btm	F-7000 ^A or 310 UB 32.0	3700 (600 dia)
3000	1:4 max	top 6 @ 80, 9 @ 100 btm	F-7000 ^A or 310 UB 32.0	3700 (600 dia)	top 5 @ 80, 5 @ 100, 5 @ 120 btm	F-7000 or 310 UB 40.4	3900 (600 dia)



CONCRETE SLEEPER REINFORCEMENT DETAIL
SCALE 1:20



POST TO REINFORCING
BAR WELDING DETAIL
SCALE 1:20



31/05/2026	TP BCC RFI 01	B	JME
19/05/2026	TP BCC RFI 01	A	JME
Date	Details	Rev	Drawn
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CLIENT	TRISTAN & ALYCE SUGDEN SIMON & PETER BLEIER
PROJECT	1 INTO 2 LOT SUBDIVISION
ADDRESS	14 BRADNOR STREET CARINA QLD 4152

DRAWING TITLE
RETAINING WALL DETAILS

SCALE @ A3	DRAWN:	CHECKED:
1:20, 1:1, 1:1.33	JME	JME
PROJECT NUMBER	DRAWING NUMBER	ISSUE
2601	TP.02 B	B