

DESCRIPTION:

GENERAL MATERIALS:

POSTS, FRAMING AND ROOFING MEMBERS IN EXTRUDED ALUMINIUM.
 ROOF SHEETING IN CORRUGATED PROFILE COATED STEEL.
 INSERT PANELS - 3mm THICK PERFORATED ALUMINIUM.
 - APPROACH PANELS IN GLASS (Logo to lower panel)

FINISHES:

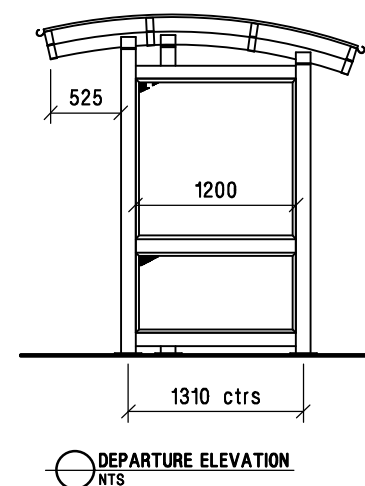
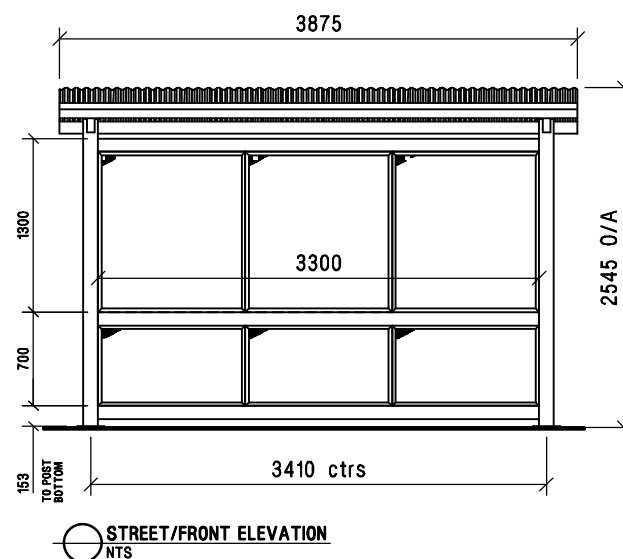
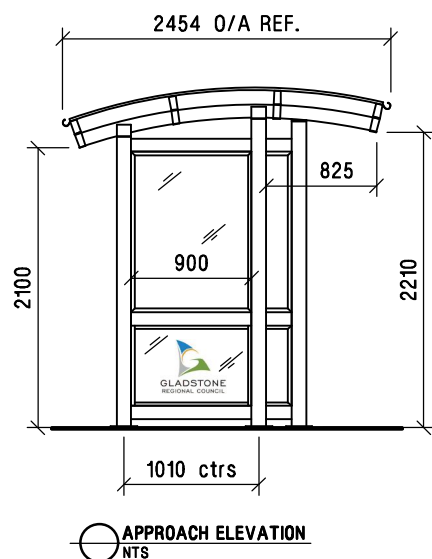
POWDER COATED POSTS & FRAMING. COLOUR - BLAZE BLUE.
 ROOF COATED FROM ORIGINAL MANUFACTURER. COLOUR - SHALE GREY.
 ANODISED PERFORATED INSERT PANELS. COLOUR - CLEAR ANODISED.
 LOGO (ALL BLACK) TO LOWER APPROACH GLASS PANEL.

HARDWARE:

STAINLESS STEEL ANTI-VANDAL FIXINGS.

INSTALLATION:

BOLT DOWN FOOTING WITH TELESCOPING LEVELING SPIGOTS.



NOTES:

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| | | |
|-------|--------------------------------|----------|
| C | UPPER APPROACH GLASS WAS ALUM. | 17/01/12 |
| B | CONSTRUCTION ISSUE | 07/08/12 |
| ISSUE | AMENDMENT | DATE |



1082 KINGSFORD SMITH DRIVE
 EAGLE FARM QLD 4009
 Phone: (07) 3877 2856
 Fax: (07) 3877 2890
 Website: www.gossipark.com.au
 Email: furniture@gjames.com.au

PROJECT/CLIENT:

**GLADSTONE REGIONAL
 COUNCIL**

DRAWING DESCRIPTION:

**3.9 x 2.4 CURVED ROOF
 BUS STOP SHELTER**

| | | |
|--|--------------------------|----------------------|
| DRAWN BY: PAD | DATE: 01/08/12 | A3 |
| ENGINEER: | DATE: | SCALE: NTS |
| JOB NUMBER: CB3924-10101310 | | |
| DRAWING NO: CB3924-10101310-01 | ISSUE: C | |

1/6.DATV / ...

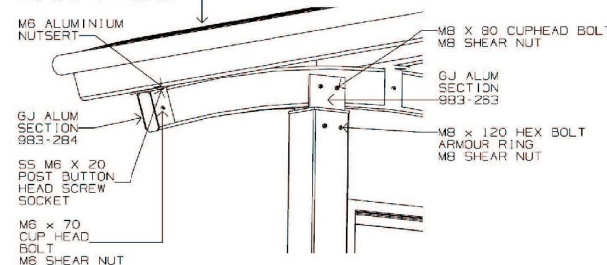
MATERIALS LIST ALUMINIUM EXTRUSIONS ALLOY & TEMPER 6063 T6 UNLESS OTHERWISE SPECIFIED

| NO. | QTY | DESCRIPTION | LENGTH |
|-----|-----|--|--|
| 1 | 1 | POSTS- 931-180- 110x110x4.5 R/C ALUM SHS | 2300 |
| 2 | 1 | POSTS- 931-180- 110x110x4.5 R/C ALUM SHS | 2282 |
| 3 | 2 | POSTS- 931-180- 110x110x4.5 R/C ALUM SHS | 2165 |
| 4 | 4 | PURLINS- 940-127- 100x50x3 ALUM RHS | 3869 |
| 5 | 2 | RAFTERS- 941-365- 100x50x6 R/C ALUM RHS TOP CURVE RADIUS = 4100mm | ARC L 2313 |
| 6 | 4 | BASE PLATES - 200x16 ALUM FLAT ALLOY & TEMPER 5083 H116 | 200 |
| 7 | 4 | SPIGOTS- 931-175- 100x100x8 R/C ALUM SHS ALLOY & TEMPER 6351 T5 | 250 |
| 8 | 8 | 983-284 - RAFTER TO PURLIN BRACKET | 50 |
| 9 | 4 | 983-263 - POST TOP BRACKET 6005A T5/6351 T5 | 110 |
| 10 | 8 | 996-069 - PURLIN CAP | 50 |
| 11 | 4 | 996-070 - RAFTER CAP | 50 |
| 12 | 5 | CUSTOM BLUE ORB ROOF SHEET 0.60BMT TOP CURVE RADIUS = 4225mm | ARC L 2385 |
| 13 | 2 | 996-063 - ROLL GUTTER | 3875 |
| 14 | 3 | BACK RAILS - 931-160 | 3300 |
| 15 | 6 | RETURN RAILS - 931-160 | 1200 - 3 OFF 900 - 3 OFF |
| 16 | - | PERF ALUM SHEET- 3mm THK 5005 H34 3.17 DIA @ 4.76 CS STG 3.0AL- 40% OPEN GLASS OPTION - 6.38mm LAMINATE | SIZE TO SUIT BELOW |
| 17 | - | 475 SERIES (-135 etc) GLAZING FRAMING WITH PVC GLAZING TO SUIT GLASS (SEE SHT-01) (-068 framing alternative acceptable) Manuf. spec. fixing. | HEIGHT SHOWN FIRST 600x900 1200x900 |
| 18 | - | 996-068 FRAMING / PVC GLAZING FOR SHEET. Typical Fixing- #10x1/2" @ 300mm max. Vert back to back fix. 6-6 RIVET @ 300mm max. Opening size given. Advise ordering smaller to prevent too tight a fit. | HEIGHT SHOWN FIRST 600x1200-10FF 1200x1200-10FF 600x1100-30FF 1200x1100-30FF |

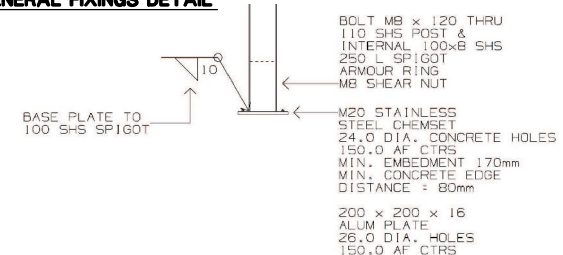
FIXINGS LIST

| NO. | QTY | DESCRIPTION |
|-----|-----|---|
| A | 8 | M8 x 80 CUP BOLT |
| B | 12 | M8 x 120 HEX BOLT |
| C | 20 | M8 SHEAR NUT |
| D | 12 | M8 ARMOUR RING |
| E | 8 | M6 x 70 CUP HEAD BOLT |
| F | 8 | M6 SHEAR NUT |
| G | 16 | SS M6 x 20 POST BUTTONS |
| H | 16 | SS M20 CAPSULE CHEMSETS ENGINEER APPROVED NOT SUPPLIED |
| I | 1 | 4mm SECURITY HEX KEY |

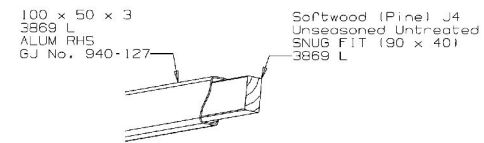
CUSTOM BLUE ORB COLORBOND
5 FASTENERS PER SHEET PER
SUPPORT CREST FIXING
No.14 10 x 85mm HEX HEAD
TYPE 17 SELF DRILLING
SCREWS, CORRUGATED
PROFILE CYCLONE PLATE
WASHERS WITH SEALS



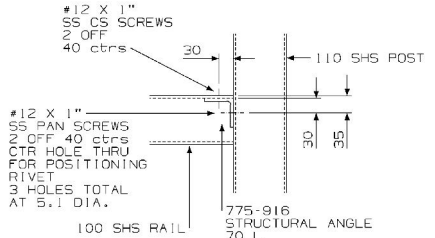
GENERAL FIXINGS DETAIL NTS



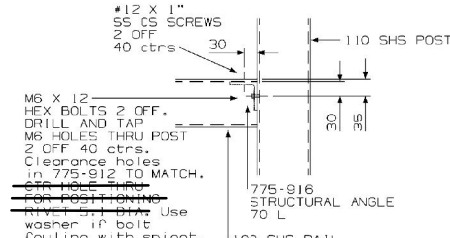
BOLT-DOWN DETAIL NTS



PURLIN INSERT DETAIL - C2 RATING ONLY NTS



SHS ANGLE FIXING typ. (12 OFF) NTS



SHS ANGLE FIXING BOTTOM RAILS ONLY (6 OFF) NTS

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DRAWING DESCRIPTION:
**3.9 x 2.4 CURVED ROOF
BUS STOP SHELTER
-MATERIALS & DETAILS**

| | | |
|--|--------------------------|----------------------|
| DRAWN BY: PAD | DATE: 01/08/12 | A3 |
| ENGINEER: | DATE: | SCALE: NTS |
| JOB NUMBER: CB3924-10101310 | | |
| DRAWING NO: CB3924-10101310-02 | ISSUE: C | |

STRUCTURAL NOTES

GENERAL

- G1. THE BUILDER SHALL BE RESPONSIBLE FOR MAINTAINING STABILITY OF THE STRUCTURE UNTIL COMPLETION OF CONSTRUCTION AND SHALL ENSURE THAT NO PART OF THE STRUCTURE IS OVERSTRESSED
- G2. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES OF PRACTICE AND MANUALS, EXCEPT WHERE VARIED BY THE SPECIFICATIONS AND OR DRAWINGS:-
 AS 1170 LOADING CODES
 AS 1664 ALUMINIUM STRUCTURES
 AS 2870 RESIDENTIAL SLABS & FOOTINGS
 AS 3600 CONCRETE STRUCTURES
 AS/NZS2208 TOUGHENED GLASS
 AS 1288 PVC GLAZING
 AS 1665 WELDING OF ALUMINIUM STRUCTURES – CATEGORY B – WELD FILLER 5356
- G3. DO NOT SCALE THESE DRAWINGS FOR DIMENSIONS. CONFIRM ALL DIMENSIONS FROM NOTED DIMENSIONS ON THE ARCHITECTURAL DRAWINGS.

DESIGN CRITERIA

- DC1. WIND LOADS C2
 DC2. LIVE LOADS FLOOR EXTERNAL 5.0kPa

FOUNDATIONS

- F1. ALL FOOTINGS ARE TO FOUND IN THE NATURAL UNDISTURBED SOIL PROFILE WITH A MINIMUM SAFE ALLOWABLE SOIL BEARING PRESSURE OF 100 kPa UNLESS NOTED OTHERWISE.
- F2. SOIL TEST REQUIRED TO CONFIRM BEARING AND SITE CLASSIFICATION TO AS 2870.
- F3. FOUNDATIONS ARE TO BE CHECKED BY A PROFESSIONAL ENGINEER.

EARTHWORKS

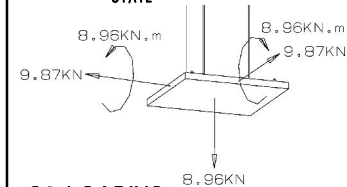
- E1. STRIP ALL HUMUS MATERIAL FROM THE AREA OF BUILDING IMPRINT AND 1000mm BEYOND.
- E2. PROOF ROLL THE AREAS TO BE CONCRETED AND PAVED. REMOVE ANY WEAK MATERIAL.
- E3. USE NON HUMUS CUT MATERIAL OR IMPORTED APPROVED NON REACTIVE SOIL AS FILL.
- E4. IF NOT COMPACTING FILLS; CUT AND FILL SITE AS REQUIRED AND USE MASS CONCRETE SLAB PIERS AS SHOWN ON PLAN WHERE FILL DEPTHS EXCEED 250mm.
- E5. COMPACTED FILL SHALL BE COMPACTED IN LAYERS NOT EXCEEDING 150mm LOOSE DEPTH TO 98% MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.1.1 (STANDARD COMPACTION). CARRY OUT DENSITY TESTS AT THE RATE OF 2 PER LEVEL OF FILL. EVERY TEST MUST PASS.
- E6. PAVERS SHALL BE LAID ON A SAND BED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

CONCRETE

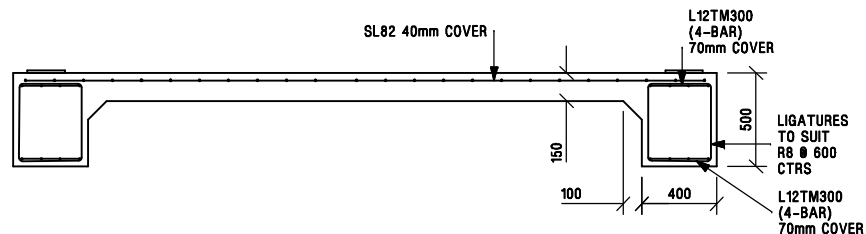
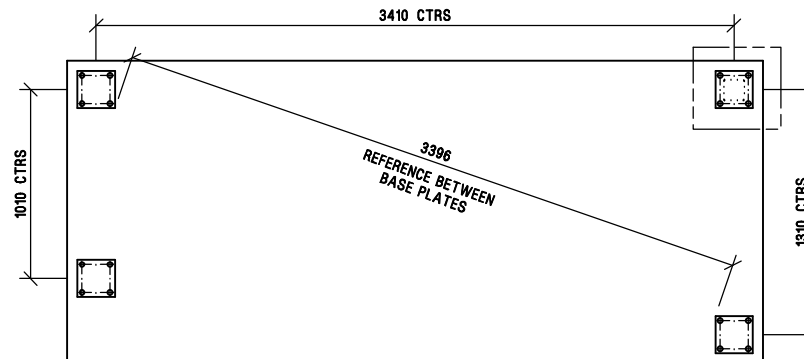
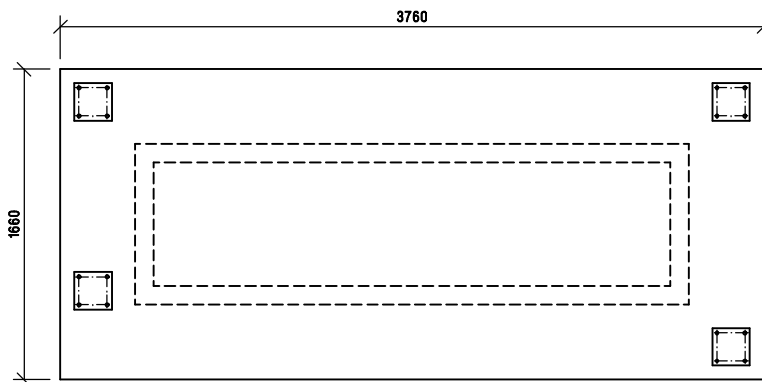
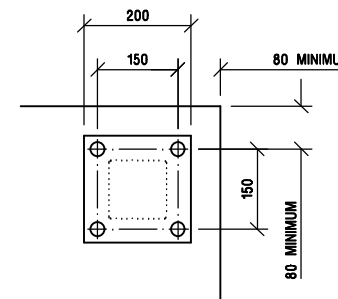
- C1. CONCRETE SLABS ARE TO BE DESIGNED & CHECKED/CONFIRMED BY CLIENTS' ENGINEER FOR SUITABILITY. REFER SHELTER DRAWINGS FOR SIZE SPECIFIC LOADS.
- C2. CONCRETE SPECIFICATION:-
- C3. CONCRETE STRENGTH TO BE MINIMUM 25 MPa
- C4. MINIMUM SLAB THICKNESS TO BE 220mm AT POST LOCATIONS

REACTIONS

ULTIMATE LIMIT
STATE



C2 LOADING



SETOUT REFERENCE ONLY. SEE STRUCTURAL NOTES
 NTS

GENERAL SLAB RECOMMENDATION REFERENCE ONLY. SEE STRUCTURAL NOTES

NTS

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 -STRUCTURAL NOTES
 & SLAB INFORMATION**

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