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Suite 1601, Level 16,
99 Mount Street,
North Sydney NSW 2060

p (02) 6201 0200
f (02) 6247 2203

Certificate of Structural Sufficiency for 1% AEP Flood Event

Address: 36 Bolong Rd
Client: Manildra Group
Project Name: Manildra Cogen Plant
Sellick Project Reference: 200247

Suburb: Bomaderry

Description of Building Work:

New suspended slab on ground, structural steel framing and Precast concrete walls

I certify that:

1. I have designed the Cogen structural slab and support steel structure and confirm that the structure as designed is capable of withstanding flood water, debris and buoyancy forces up to the 1% AEP flood event as represented in the flood compliance report by WMAwater Pty Ltd dated 12 December 2017.
2. We confirm that the structure is designed and constructed from flood compatible materials.
3. We confirm that the building and associated structures will not become floating debris during a 1% AEP flood event
4. Note this certificate refers to structures as shown on the attached drawing list.

Declaration:

I am a professional engineer as defined in Schedule 3 of the NCC (Building Code of Australia).

Signature: _____

Date: 10/05/2022

Name of Engineer: Adam Zahra (on behalf of Sellick Consultants)

Qualifications: B.E., M.I.E (Aust), CPENG, N.E.R (644092), RPEQ (14380)

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Drawing List

- 210437-0000-COVER SHEET-(1)
- 210437-0001-CONSTRUCTION NOTES SHEET 1-(1)
- 210437-0002-CONSTRUCTION NOTES SHEET 2-(1)
- 210437-0003-CONSTRUCTION NOTES SHEET 3-(1)
- 210437-1000-FOOTING KEY PLAN-(1)
- 210437-1001-FOOTING MARKING PLAN ZONE A-(C)
- 210437-1006-FOOTING MARKING PLAN ZONE B-(C)
- 210437-1010-FOOTING MARKING PLAN ZONE C-(B)
- 210437-1100-SLAB ON GROUND KEY PLAN-(1)
- 210437-1101-GROUND SLAB MARKING PLAN ZONE A-(3)
- 210437-1102-GROUND SLAB BOTTOM REINFORCEMENT PLAN ZONE A-(1)
- 210437-1103-GROUND SLAB TOP REINFORCEMENT PLAN ZONE A-(1)
- 210437-1106-GROUND SLAB MARKING PLAN ZONE B-(B)
- 210437-1107-GROUND SLAB BOTTOM REINFORCEMENT PLAN ZONE B-(B)
- 210437-1108-GROUND SLAB TOP REINFORCEMENT PLAN ZONE B-(B)
- 210437-1110-GROUND SLAB MARKING PLAN ZONE C-(B)
- 210437-1111-GROUND SLAB BOTTOM REINFORCEMENT PLAN ZONE C-(B)
- 210437-1112-GROUND SLAB TOP REINFORCEMENT PLAN ZONE C-(B)
- 210437-1151-SLAB ON GROUND SECTIONS SHEET 1-(2)
- 210437-1152-SLAB ON GROUND SECTIONS SHEET 2-(1)
- 210437-1200-SUB-STATION SLAB MARKING PLAN-(3)
- 210437-1202-SUB-STATION BOTTOM REINFORCEMENT-(1)
- 210437-1203-SUB-STATION TOP REINFORCEMENT-(1)
- 210437-1300-OFFICE SLAB MARKING PLAN-(3)
- 210437-1302-OFFICE SLAB BOTTOM REINFORCEMENT-(1)
- 210437-1303-OFFICE SLAB TOP REINFORCEMENT-(1)
- 210437-1500-ROOF STEELWORK KEY PLAN-(1)
- 210437-1501-ROOF STEELWORK MARKING PLAN ZONE A-(2)
- 210437-1506-ROOF STEELWORK MARKING PLAN ZONE B-(2)
- 210437-1510-ROOF STEELWORK MARKING PLAN ZONE C-(1)
- 210437-1521-ROOF GANTRY STEELWORK PLAN ZONE A-(1)
- 210437-1526-ROOF GANTRY STEELWORK PLAN ZONE B-(1)
- 210437-1541-STEELWORK ELEVATIONS SHEET 1-(B)
- 210437-1542-STEELWORK ELEVATIONS SHEET 2-(1)
- 210437-1543-STEELWORK ELEVATIONS SHEET 3-(1)
- 210437-1544-STEELWORK ELEVATIONS SHEET 4-(1)
- 210437-1545-STEELWORK ELEVATIONS SHEET 5-(1)
- 210437-1546-STEELWORK ELEVATIONS SHEET 6-(1)
- 210437-1547-STEELWORK ELEVATIONS SHEET 7-(2)
- 210437-1548-STEELWORK ELEVATIONS SHEET 8-(1)
- 210437-1549-STEELWORK ELEVATIONS SHEET 9-(1)

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Drawing List (continued)

- 210437-6001-BUILDING PERSPECTIVE VIEWS SHEET 1-(1)
- 210437-6002-BUILDING PERSPECTIVE VIEWS SHEET 2-(1)
- 210437-7500-WALL KEY PLAN - PRECAST-(1)
- 210437-7501-WALL ELEVATIONS - PRECAST SHEET 1-(A)
- 210437-7502-WALL ELEVATIONS - PRECAST SHEET 2-(1)
- 210437-7503-WALL ELEVATIONS - PRECAST SHEET 3-(1)
- 210437-7504-WALL ELEVATIONS - PRECAST SHEET 4-(1)
- 210437-7505-WALL ELEVATIONS - PRECAST SHEET 5-(1)
- 210437-7506-WALL ELEVATIONS - PRECAST SHEET 6-(1)
- 210437-7507-WALL ELEVATIONS - PRECAST SHEET 7-(1)
- 210437-7508-WALL ELEVATIONS - PRECAST SHEET 8-(1)
- 210437-7551-WALL DETAILS - PRECAST SHEET 1-(1)
- 210437-7561-WALL DETAILS - INSITU SHEET 1-(1)
- 210437-9001-BRIDGE FOOTING PLAN & DETAILS-(D)
- 210437-9002-BRIDGE FOOTING DETAILS SHEET 2-(A)
- 210437-9100-BRIDGE STEELWORK KEY PLAN-(B)
- 210437-9101-BRIDGE STEELWORK TOWER 9-(B)
- 210437-9102-BRIDGE STEELWORK TOWER 8-(B)
- 210437-9103-BRIDGE STEELWORK TOWER 7B-(B)
- 210437-9104-BRIDGE STEELWORK TOWER 7A-(B)
- 210437-9105-BRIDGE STEELWORK TOWER 6-(B)
- 210437-9106-BRIDGE STEELWORK TOWER 5-(B)
- 210437-9107-BRIDGE STEELWORK TOWER 4-(B)
- 210437-9108-BRIDGE STEELWORK TOWER 3- EXISTING-(A)
- 210437-9111-BRIDGE STEELWORK MARKING PLAN & SECTIONS FRAME 1-(C)
- 210437-9112-BRIDGE STEELWORK MARKING PLAN & SECTIONS FRAME 2-(C)
- 210437-9113-BRIDGE STEELWORK MARKING PLAN & SECTIONS FRAME 3-(C)
- 210437-9114-BRIDGE STEELWORK MARKING PLAN & SECTIONS FRAME 4-(C)
- 210437-9115-BRIDGE STEELWORK MARKING PLAN & SECTIONS FRAME 5-(C)
- 210437-9116-BRIDGE STEELWORK MARKING PLAN & SECTIONS FRAME 6 SHEET 1-(C)
- 210437-9117-BRIDGE STEELWORK MARKING PLAN & SECTIONS FRAME 6 SHEET 2-(C)
- 210437-9118-BRIDGE STEELWORK MARKING PLAN & SECTIONS FRAME 7 SHEET 1-(C)
- 210437-9119-BRIDGE STEELWORK MARKING PLAN & SECTIONS FRAME 7 SHEET 2-(C)
- 210437-9120-BRIDGE STEELWORK MARKING PLAN & SECTIONS FRAME 8 SHEET 1-(B)
- 210437-9121-BRIDGE STEELWORK MARKING PLAN & SECTIONS FRAME 8 SHEET 2-(B)
- 210437-9150-BRIDGE STEELWORK DETAILS SHEET 1-(B)
- 210437-9151-BRIDGE STEELWORK DETAILS SHEET 2-(D)

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