

THIS DRAWING MAY ONLY BE USED IN THE COURSE OF AND FOR THE PURPOSE OF CREATING SYDNEY WATER ASSETS. USE THIS DRAWING WITH CARE. THE USER IS RESPONSIBLE FOR THE CORRECT APPLICATION OF THIS DRAWING. DEEMED TO COMPLY DRAWINGS ARE SUBJECT TO TERMS AND CONDITIONS OF USE AS PUBLISHED BY SYDNEY WATER.

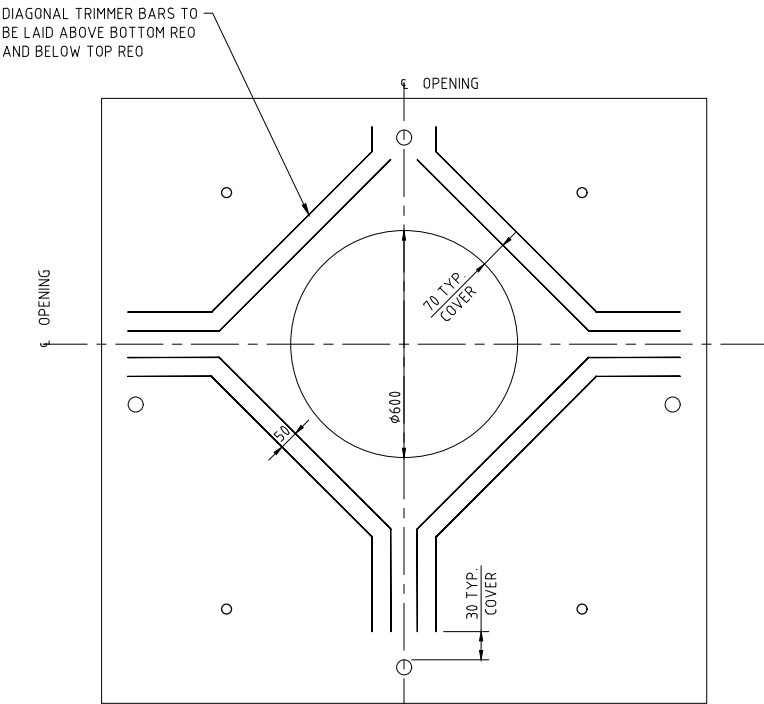
NOTES

- 1. PRECAST CONCRETE ROOF SLAB MUST HAVE A MINIMUM CONCRETE STRENGTH OF 25 MPa AT TIME OF LIFTING.
- 2. SPREADER BARS MUST BE USED DURING LIFTING TO ENSURE LIFT FORCE IS VERTICAL.
- 3. CONFIRM LOCATION OF ROOF SLAB AND WALL REINFORCEMENT BARS TO ENSURE ALL ANCHORS DO NOT HAVE CONTACT WITH THE REINFORCEMENT.
- 4. ROOF SLAB CONNECTION DETAILS -
  - FOR CAST-INSITU MAINTENANCE HOLES - REFER DETAIL B ON DTC/2220.
  - FOR PRECAST MAINTENANCE HOLES - REFER DETAIL B (TYPE 1) OR DETAIL C (TYPE 2) ON DTC/2260
- 5. PROTECTIVE COATING TO BE APPLIED TO ALL SURFACES OF ROOF SLAB. COATING TO BE IN ACCORDANCE WITH WSA 201 AND SYDNEY WATER SUPPLEMENT. COATING SYSTEM MUST BE CPL, EUH OR NOV.

DESIGN LOADS		
ROOF SLAB	DESIGN WHEEL LOAD	TYPICAL USE
TYPE 1	2,670 kg (CLASS B TO AS3996)	FOR AREAS WITHIN PRIVATE PROPERTIES, AND PUBLIC PLACES, PEDESTRIAN MALLS AND FOOTWAYS NOT SUBJECTED TO VEHICULAR LOADING AND PREVENTED FROM ACCIDENTAL VEHICLE LOADING BY MEANS OF PHYSICAL BARRIERS (e.g. BOLLARDS, TRAFFIC BARRIERS, OR KERBS HIGHER THAN 300mm).
TYPE 2	(W80 WHEEL LOAD AND A160 AXLE LOAD TO AS 5100.2)	FOR FOOTWAY AND DRIVEWAYS IN AREAS ZONED RESIDENTIAL NOT RESTRICTED TO VEHICLES, PARKLAND WITH NO RESTRICTION TO VEHICULAR ACCESS AND ROAD CARRIAGEWAYS & DRIVEWAYS WITH A TRAFFIC LOAD UP TO W80 WHEEL LOAD AND A160 AXLE LOAD.

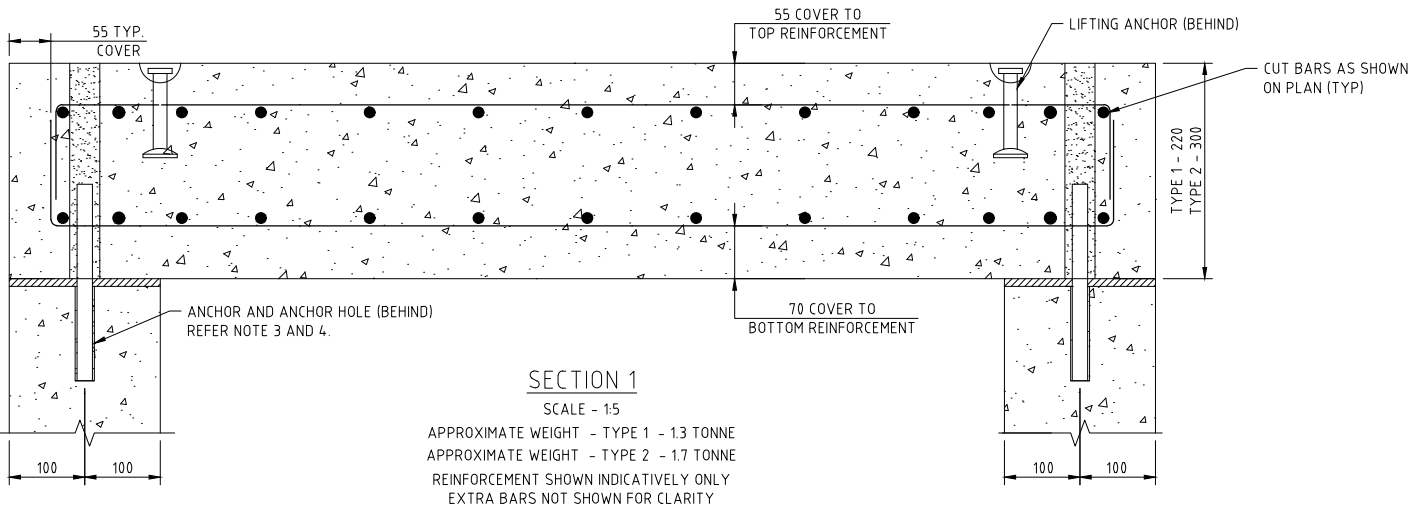
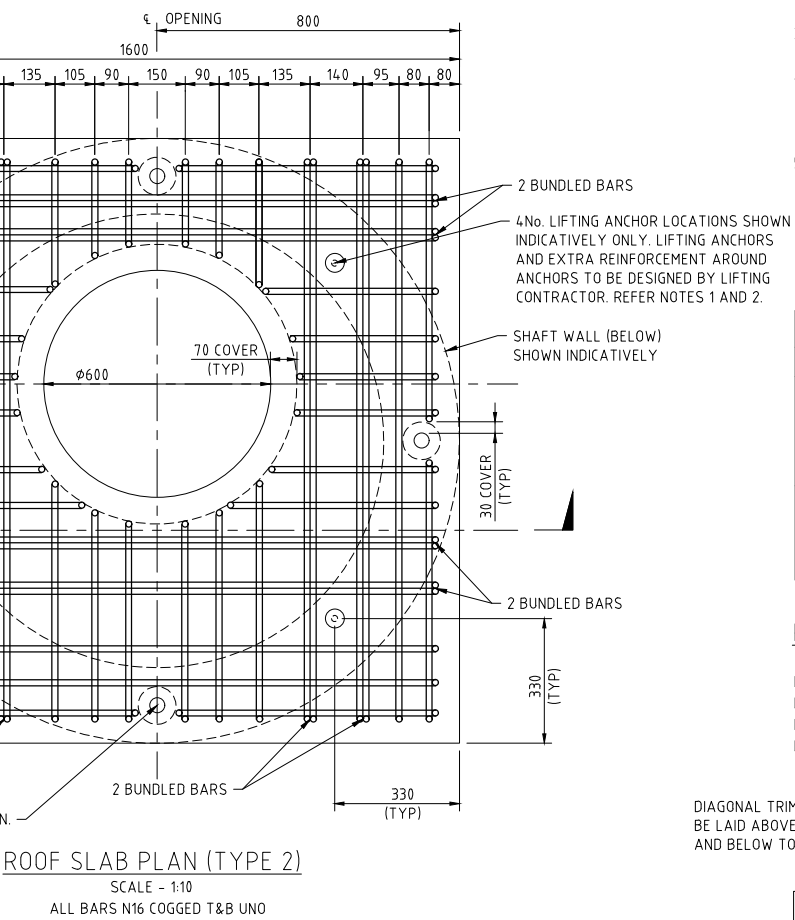
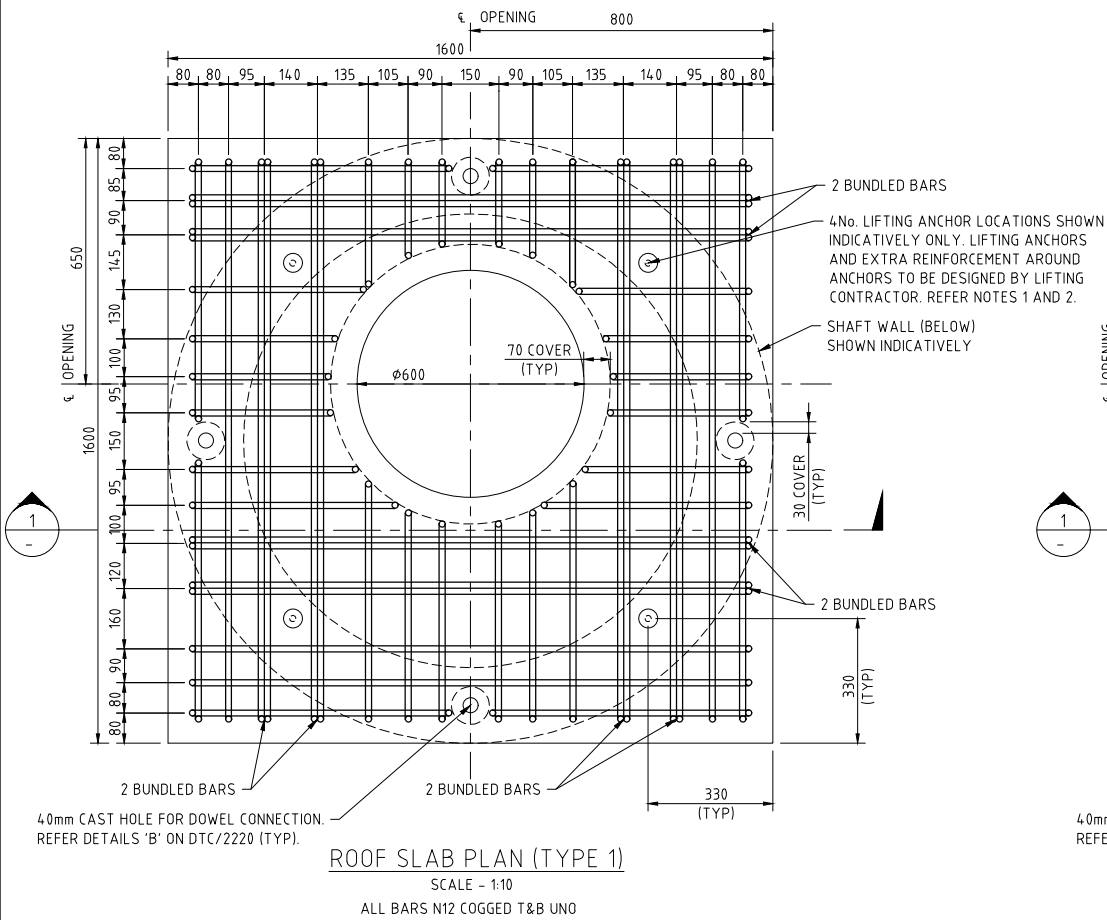
REFERENCE DRAWINGS

- DTC/2000 MAINTENANCE HOLES - CAST IN-SITU CONSTRUCTION NOTES
- DTC/2220 MAINTENANCE HOLES DETAILS - SHEET 1
- DTC/2251 MAINTENANCE HOLES - PRECAST DN1200 NOTES, INSTRUCTIONS & DRAWING LIST
- DTC/2260 MAINTENANCE HOLES - PRECAST COMPONENTS MISCELLANEOUS DETAILS



ROOF SLAB PLAN  
TYPICAL EXTRA DIAGONAL REINFORCEMENT AROUND PENETRATION  
SCALE - 1:10

TYPE 1: ALL EXTRA REINFORCEMENT N12 COGGED T&B U.N.O.  
TYPE 2: ALL EXTRA REINFORCEMENT N16 COGGED T&B U.N.O.



Sydney  
WATER

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APPROVED  
  
NORBERT SCHAEFER  
ENGINEERING MODERNISATION MANAGER

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D	ROOF SLAB REINFORCEMENT REVISED	NS	31/03/25
C	GENERAL UPDATE	NS	31/07/24
B	REVSIED DIMENSIONS, REVISED DESIGN LOAD TABLE, REVISED BAR SCHEDULE, LIFTING ANCHOR DETAILS ADDED, NOTES ADDED, GENERAL REVISION	RL	18/03/15
A	ORIGINAL ISSUE	PJG	01/03/13
LETTER	DETAILS OF ISSUE / AMENDMENT	APP'D	DATE

DEEMED TO COMPLY DRAWINGS

DN1200 MAINTENANCE HOLES

ROOF SLAB DESIGN

DTC

2223

ISSUE	DATE
D	31/03/25