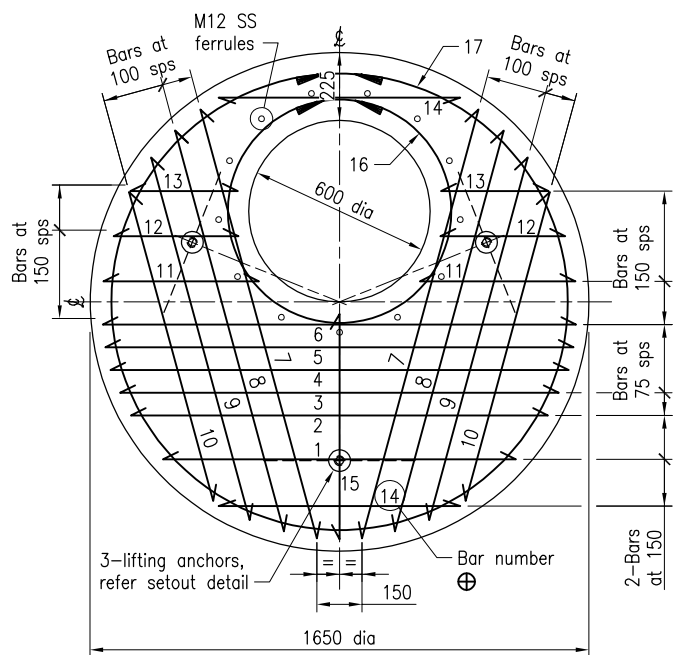
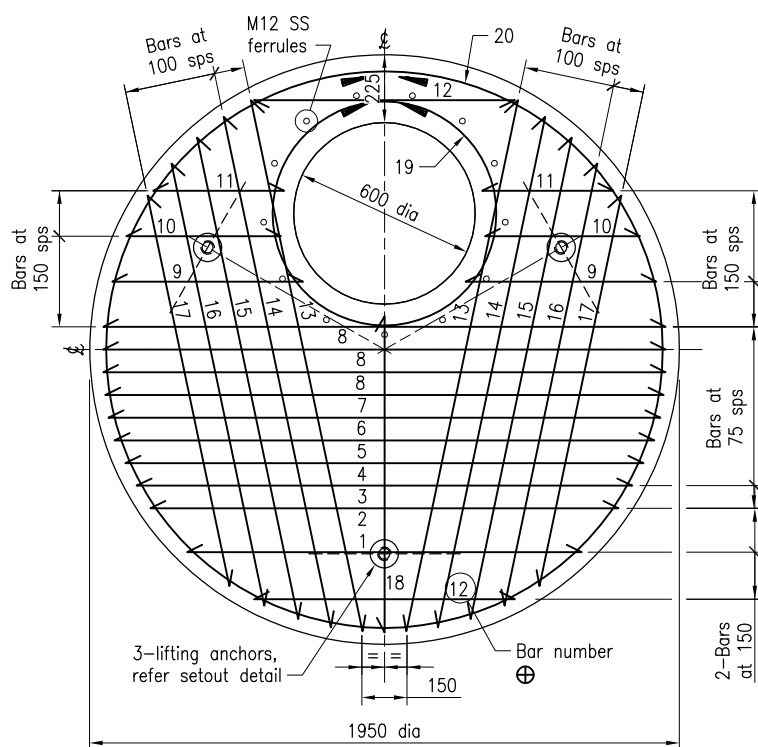


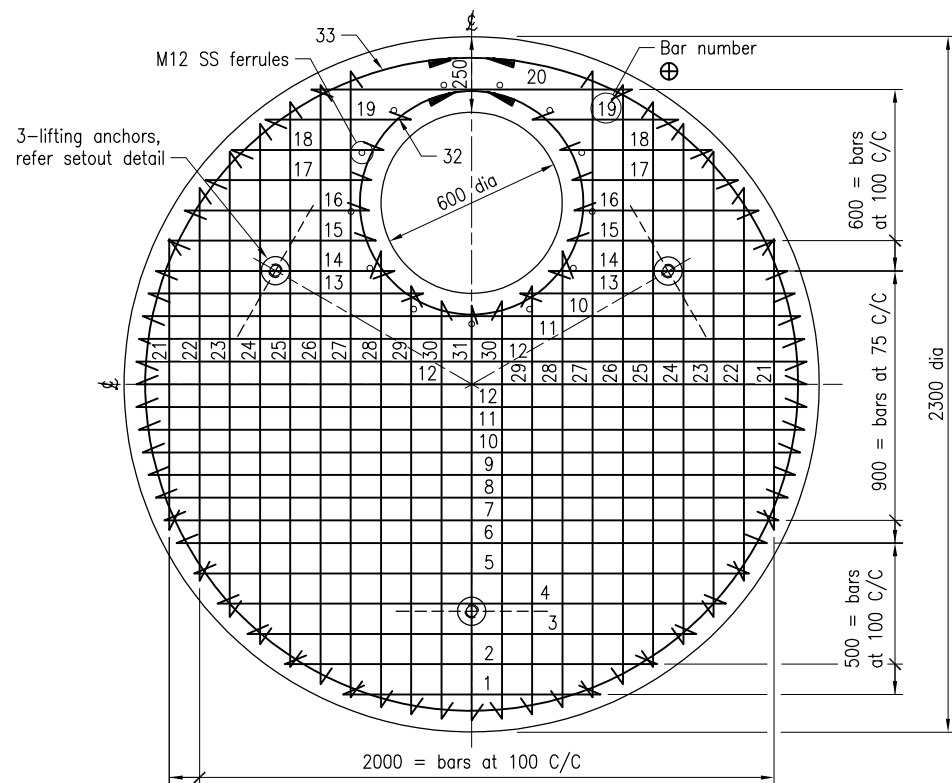
FOR 1050 ID ACCESS CHAMBER *



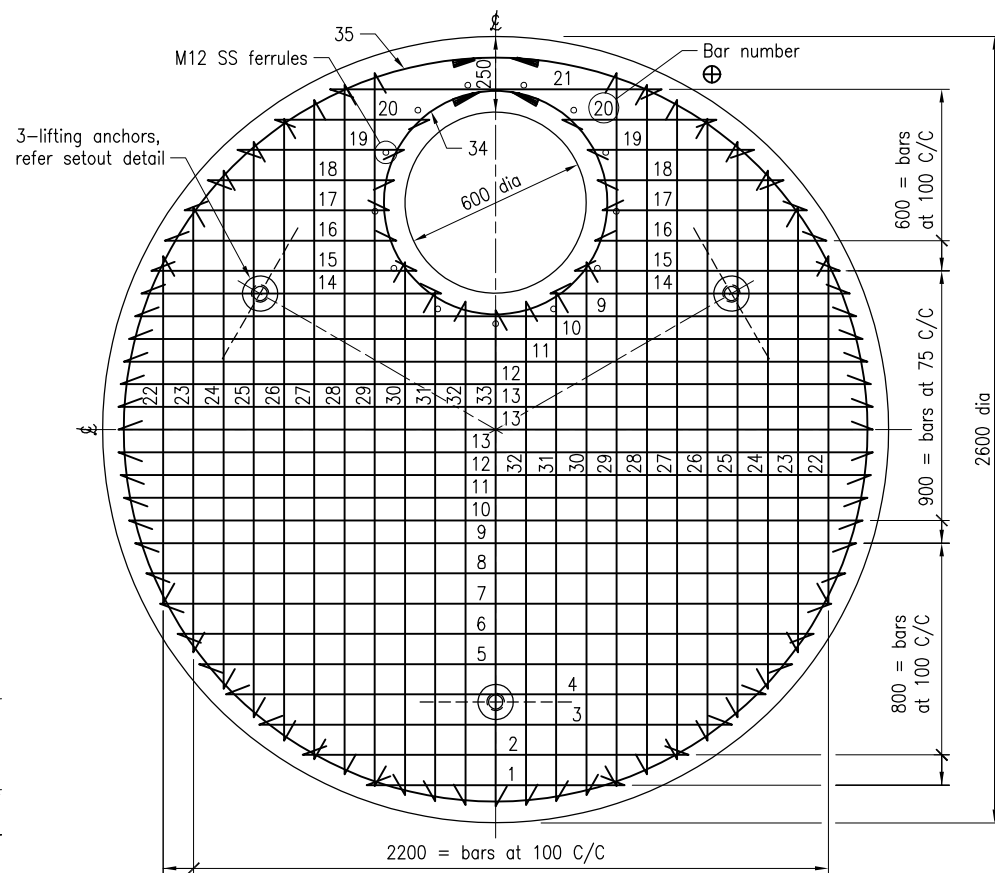
FOR 1200 ID ACCESS CHAMBER *



FOR 1500 ID ACCESS CHAMBER *



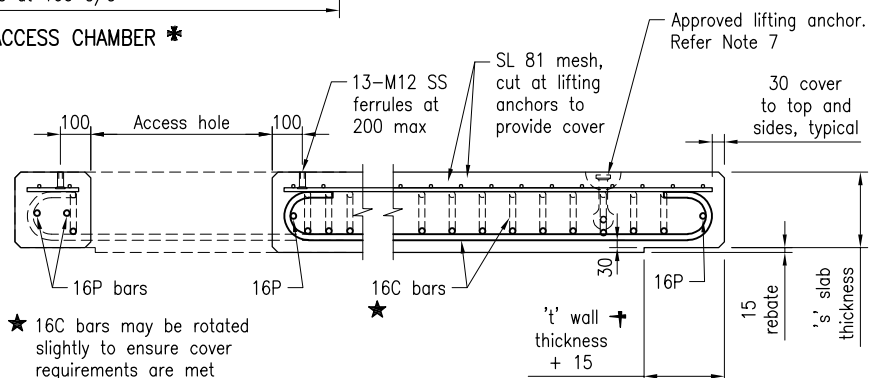
FOR 1800 ID ACCESS CHAMBER *



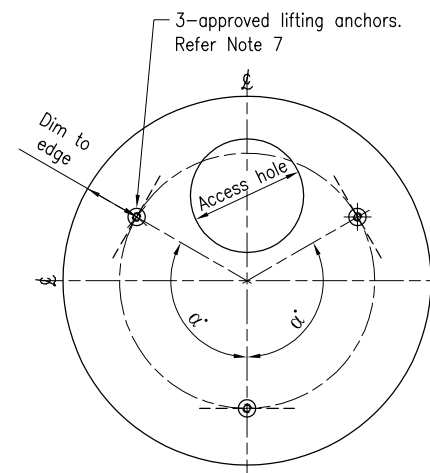
FOR 2100 ID ACCESS CHAMBER *

CHAMBER DETAILS

Chamber 'ID'	Roof Slab diameter	Roof Slab thickness 's'
1050	1500	175
1200	1650	175
1500	1950	200
1800	2300	250
2100	2600	250



TYPICAL SECTION ACROSS ACCESS HOLE



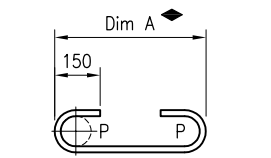
LIFTING ANCHORS SETOUT

Access chamber size	Angle α'	Dim to edge
1050	112	300
1200		
1500	120	400
1800		
2100		

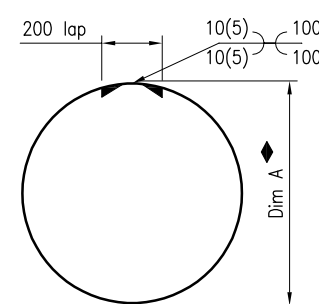
NOTES:

- SCOPE: This Standard Drawing provides details of precast roof slab for use with cast insitu access chamber, size 1050 to 2100 diameter, in roadways, in accordance with MRTS03.
- PRECAST COMPONENTS shall be manufactured in accordance with MRTS72.
- DESIGN LIFE: 50 years.
- ROOF DESIGN LOADS (all diameters):
 - Traffic loads and traffic load surcharge shall be in accordance with AS 5100.
 - Load factors and load combinations shall be in accordance with AS 5100.
 - Structural design shall be in accordance with AS 3600.
- CONCRETE shall be in accordance with MRTS70.
 - Concrete S50/20.
 - Exposure classification B1 to AS3600.
 - Cover to reinforcement shall be 30, unless shown otherwise, with rigid framework and intense vibration.
 - In lieu of intense vibration, approved super workable concrete may be used.
 - All exposed edges shall have 19 x 19 chamfers unless shown otherwise.
- REINFORCING STEEL shall be read in conjunction with Standard Drawings 1043 and 1044. Reinforcing steel shall be in accordance with MRTS71 and AS/NZS 4671. Deformed bars Grade D500N and mesh Grade D500L. Reinforcing steel welding shall be in accordance with Standard Drawing 1044. All reinforcing steel shall be ACRS certified.
- LIFTING ANCHORS shall be designed and certified by an RPEQ and installed all in accordance with MRTS72.
 - Lifting anchors shall be a TMR approved product.
- PROJECT-SPECIFIC INFORMATION TO BE SHOWN IN THE DOCUMENTS:
 - Total Mass, dimensions, and Steel schedule for each roof slab
- DIMENSIONS are in millimetres unless shown otherwise.

- * Bottom reinforcement as shown, for each ID. Top reinforcement SL81 at cover, for all ID. Refer TYPICAL SECTION.
- ⊕ The bar marks shown are indicative only. Steel Schedule is project specific. Refer Note 8.
- ◆ Dim A as per Standard Drawing 1043. Refer Note 6



DETAIL - 16C BAR *



DETAIL - 16P BAR

ASSOCIATED DEPARTMENTAL DOCUMENTS:

- Design Criteria for Bridges and Other Structures
- Road Drainage Manual

REFERENCED DOCUMENTS:

- Departmental Standard Drawings:
- 1043 Reinforcing Steel - Standard Bar Shapes
 - 1044 Reinforcing Steel - Lap Lengths
 - 1307 Access Chamber - Roadway Type Cast Insitu 1050 to 2100 Diameter Chamber
- Departmental Specifications:
- MRTS03 Drainage, Retaining Structures and Protective Treatments
 - MRTS70 Concrete
 - MRTS71 Reinforcing Steel
 - MRTS72 Manufacture of Concrete Precast Elements

Department of Transport and Main Roads			
ACCESS CHAMBER			
PRECAST ROOF SLAB FOR 1050 TO 2100 DIAMETER ROADWAY TYPE ACCESS CHAMBER		A3	Standard Drawing No
		Not to Scale	1308
			Date 7/19
A	B	C	D