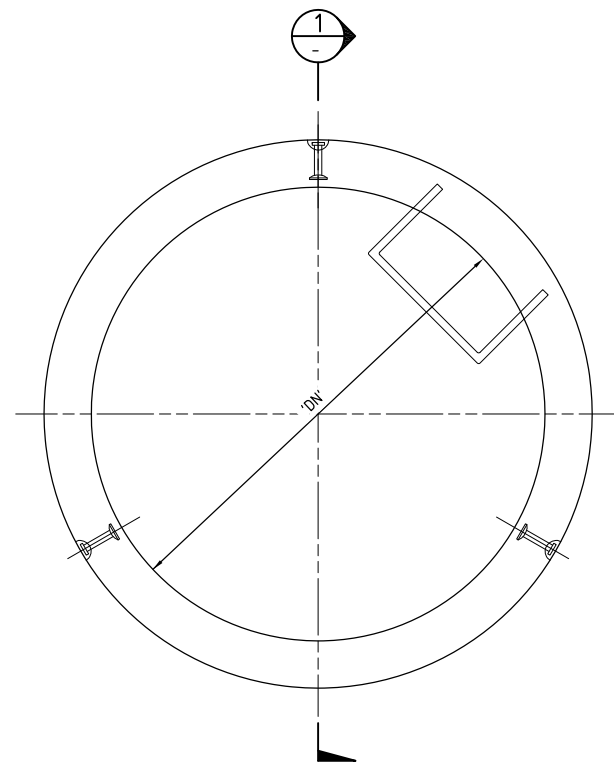
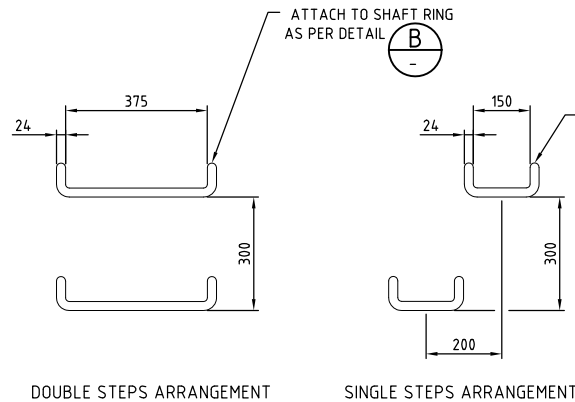


NOTES:

- SPREADER BARS MUST BE USED DURING LIFTING TO ENSURE LIFT FORCE IS VERTICAL AND LOADS ON ANCHORS ARE EVENLY DISTRIBUTED.
- STEP IRONS TO BE FIXED AS PER MANUFACTURER'S INSTRUCTION.

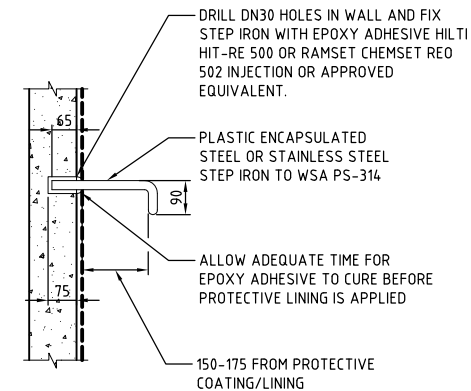


TYPICAL SHAFT RING - PLAN
SCALE 1:10



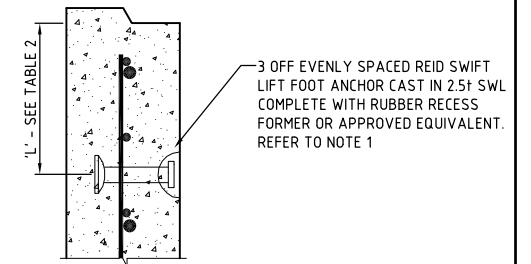
STEP IRON SET OUT DETAILS

DETAIL A
SCALE 1:10



STEP IRON FIXING DETAILS

DETAIL B
SCALE 1:10

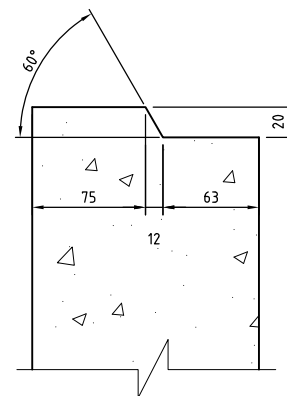


DETAIL C
SCALE 1:10

TABLE 2 - LIFTING ANCHOR LOCATION	
SHAFT RING HEIGHT	LENGTH (L)
450	200
600	200
900	300
1500	500
1800	500
2100	500
2400	500

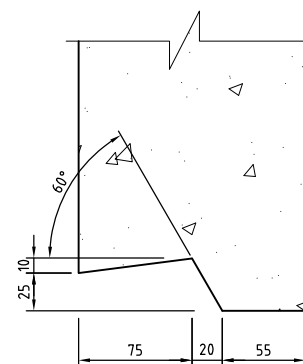
TABLE 1 - PRECAST SHAFT REINFORCEMENT DETAILS			
INTERNAL DIAMETER (DN)	THICKNESS (H)	HOOP BARS	VERTICAL BARS
1050	90	SL81 MESH # - CP	SL81 MESH # - CP
1200	150	SL81 MESH + N16-200 CP	SL81 MESH & N12-400 - CP

FOR DN1050 MAINTENANCE HOLE SL81 MESH REINFORCEMENT SHALL BE FORM VIA A SINGLE SHEET FACTORY BENT AND JOINED BY N10-100 TIES 800 LONG TIED PARALLEL TO THE MESH HOOP BARS.



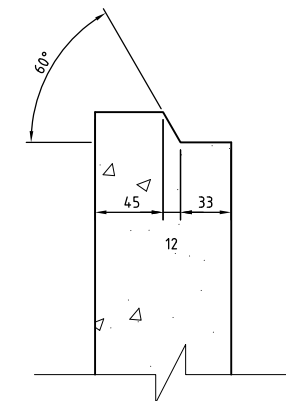
DN1200 SHAFT RING - TOP JOINT

DETAIL D
SCALE 1:2.5



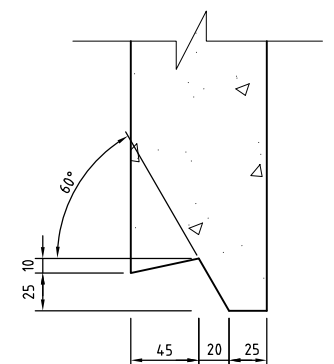
DN1200 SHAFT RING - BOTTOM JOINT

DETAIL E
SCALE 1:2.5



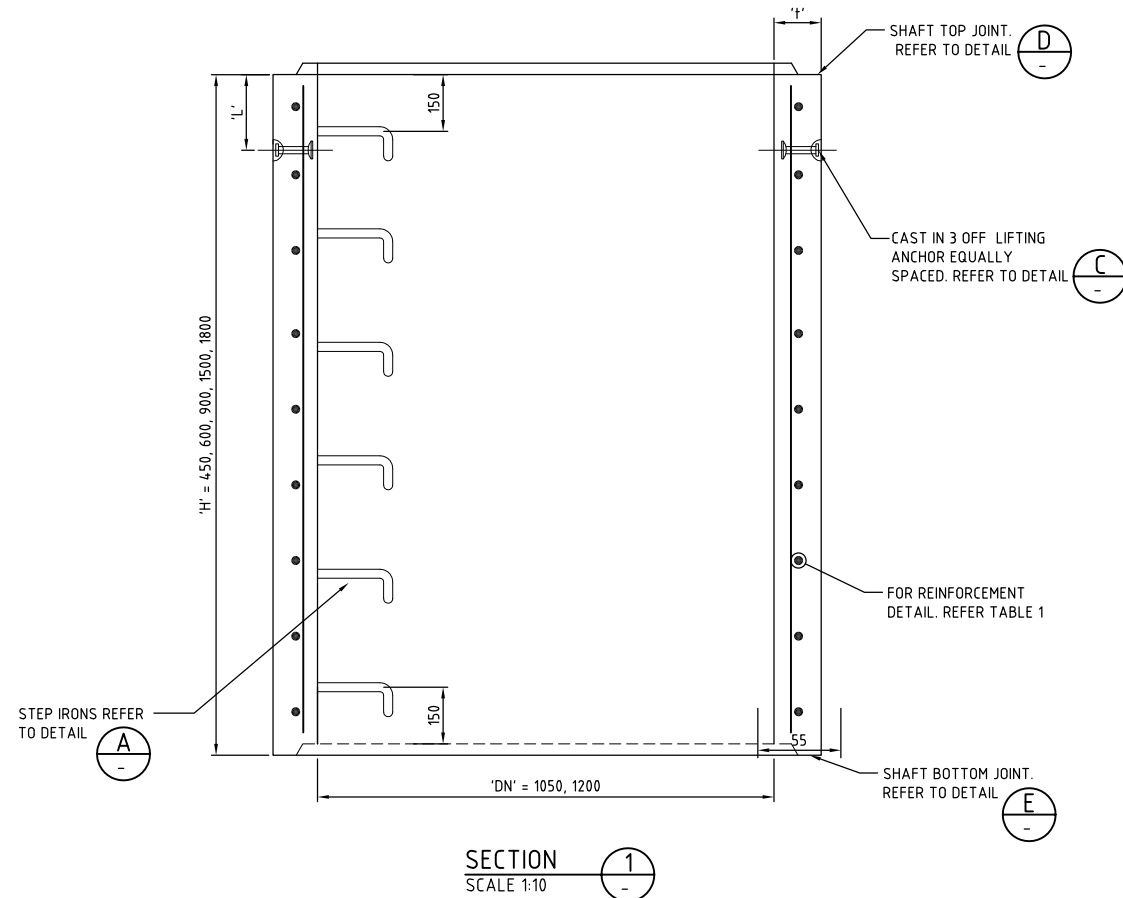
DN1050 SHAFT RING - TOP JOINT

DETAIL D
SCALE 1:2.5



DN1050 SHAFT RING - BOTTOM JOINT

DETAIL E
SCALE 1:2.5



SECTION 1
SCALE 1:10

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APPROVED

KEN WIGGINS
MANAGER, E & ES

ENGINEERING & ENVIRONMENTAL SERVICES

A
LETTER

ORIGINAL ISSUE

DETAILS OF ISSUE / AMENDMENT

KW

APP'D

22/06/15

DATE

DEEMED TO COMPLY DRAWINGS

MAINTENANCE HOLES - PRECAST
DN1050 AND DN1200 SHAFT RING
DETAILS

DTC

2256

ISSUE

A

DATE

22/06/15