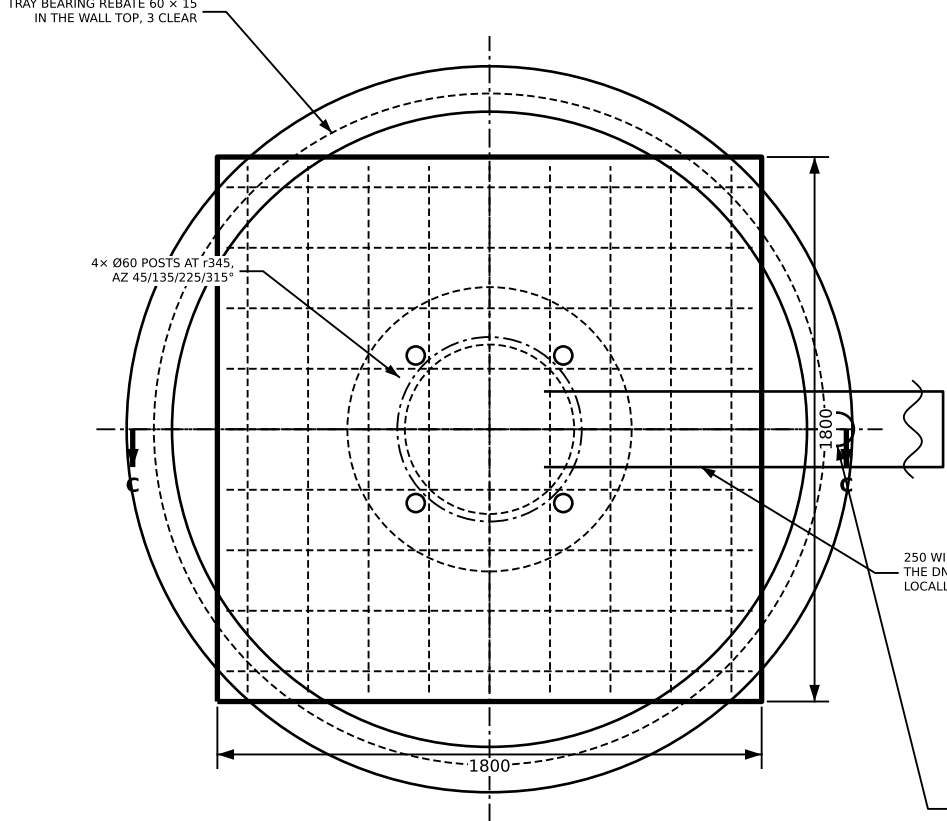
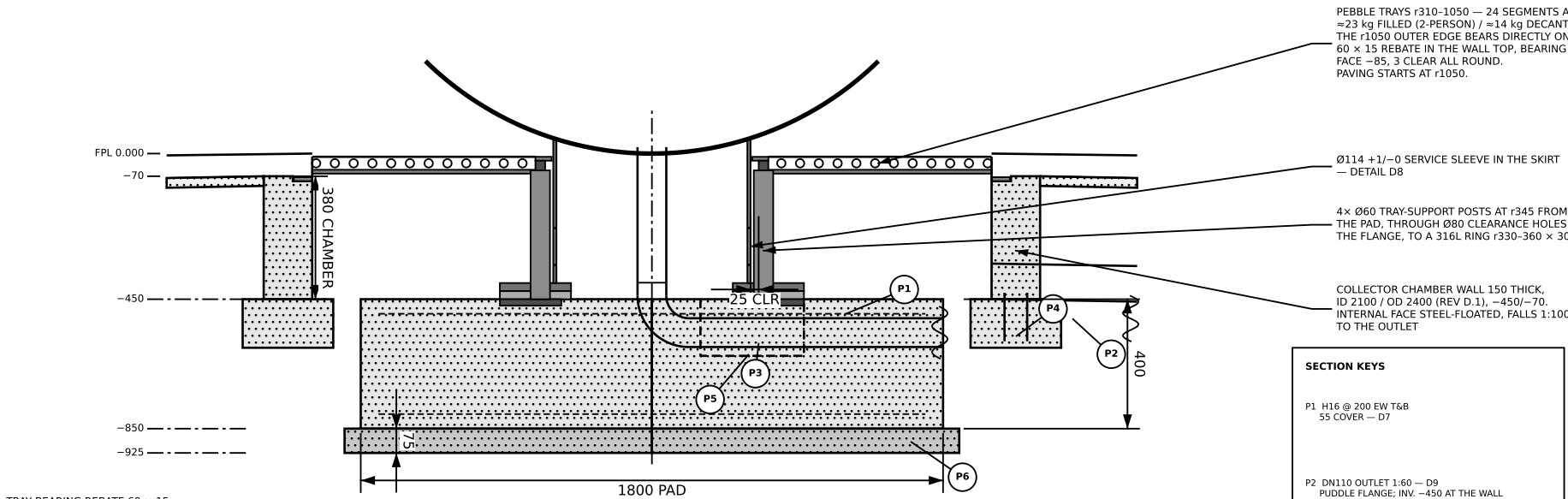
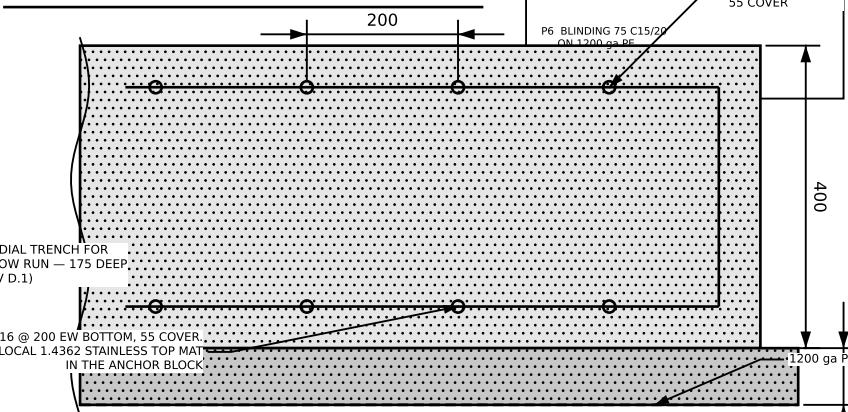


SECTION C-C — FOUNDATION AND CHAMBER · SCALE 1:20

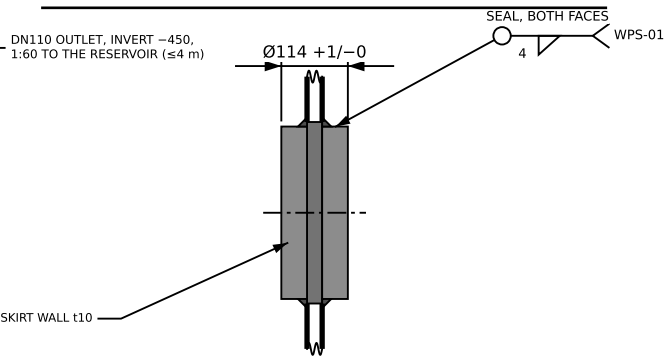


PLAN — PAD, CHAMBER AND TRENCH · SCALE 1:25

D7 — PAD REINFORCEMENT · SCALE 1:10

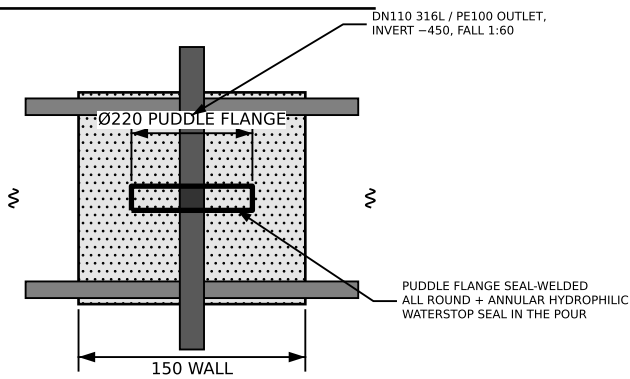


D8 — Ø114 SKIRT SERVICE SLEEVE · SCALE 1:5



- SEAL-WELDED BOTH FACES, AT —287 (ABOVE THE GROUT LINE AND ABOVE ANY STANDING WATER). CARRIES THE BONDING CONDUCTOR IN CONDUIT, THE DESICCANT BREATHER LINE AND THE BORESCOPE ACCESS, ON A REMOVABLE GLAND PLATE WITH A BONDED 316L/EPDM SEAL.
- IN THE ADOPTED ARRANGEMENT THE DN80 ELBOW SITS AT —513, BELOW THE BASE FLANGE, SO THE RISER LEAVES THROUGH THE TRENCH AND DOES NOT CROSS THE SKIRT WALL.

D9 — CHAMBER WALL PUDDLE FLANGE · SCALE 1:5



CONCRETE AND CONSTRUCTION

ITEM	SPECIFICATION
Pad & chamber	C35/45, w/c ≤0.40, binder ≥340 kg/m³
Cement	CEM III/A (36-65 % GGBS) — NOT III/B
	for site-batched work
Exposure / strength	XS3; 28- or 56-day strength
Cover	55 mm nominal (c_min,dur 45 + Δc_dev 10)
Reinforcement	H16 @ 200 EW top and bottom
Blinding	75 mm C15/20 on 1200 ga PE membrane
Aggregate	Imported non-reactive, NON-CORAL, EN 12620
Mixing water	POTABLE OR RO ONLY — brackish PROHIBITED
Placing temperature	≤32 °C — ice or chilled water as required
Curing	7 DAYS CONTINUOUS WET CURING under polythene
	with soaker hoses — NOT curing compound. HOLD POINT.
QA	Trial mix approved pre-pour; 7/28/56-day cubes;
	pre-pour survey of the embed-ring template

COMPACTION AND FILL

- PLACE FILL IN 200-300 mm WETTED LAYERS COMPACTED TO ≥95 % MODIFIED PROCTOR. DO NOT OVER-ROLL — CORAL GRAINS CRUSH AND THE MEASURED DENSITY THEN MISREPRESENTS THE STIFFNESS.
- The pad must sit WHOLLY WITHIN ONE MATERIAL. A pad straddling a fill / natural-ground boundary invalidates the 0.96 mm settlement prediction.
- Excavate and build the RESERVOIR FIRST: its formation at —1950 is 1.1 m below the pad at —850, so in coral sand at ϕ_d = 30° the face must stand ≥1.13 m clear of the pad edge or be shored.

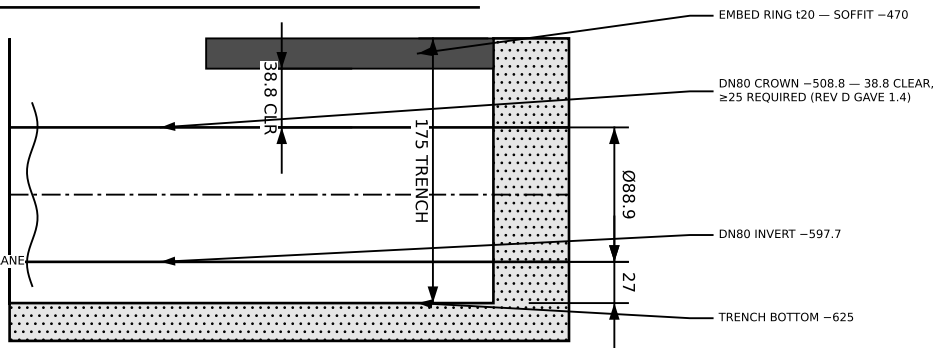
TSUNAMI — CLIENT DECISION REQUIRED

- BASE DESIGN IS NOT RESTRAINED AGAINST FULL-SUBMERGENCE INUNDATION. SEE OPTION B — CLIENT DECISION REQUIRED.
- Option A (adopted): pad 1800 x 1800 x 400, uplift ratio 1.62 — it floats. Option B: 2900 x 2900 x 500 PLUS 4 x Ø32 duplex tension micropiles to 4 m plus shear keys. MORE CONCRETE ALONE DOES NOT FIX IT — sliding FoS is 0.12 and overturning 0.76.

PENETRATION SCHEDULE

REF	PENETRATION	SEAL
D8	Ø114 +1/-0 sleeve, skirt wall at —287	Seal weld both faces + gland plate
D9	DN110 outlet at 1:60 through the 150 wall	Ø220 puddle flange + annular waterstop
—	Ø50 sump drain through the pad	Cast-in sleeve, sealed
—	Bonding conduit through the chamber wall	Puddle flange, sealed both ends

D13 — DN80 ELBOW CLEARANCE · SCALE 1:5



RESOLVED AT REV D.2 — FLOW-RUN / ANCHOR-STUD AZIMUTH

- AT REV D.1 THE BURIED DN80 FLOW RUN AT AZ 0° CROSSED THE AZ 0° ANCHOR STUD. IT COULD NOT BE FIXED BY TRENCH DEPTH — THE STUD RUNS BELOW THE PIPE. RESOLVED AT REV D.2 BY ROTATING THE STUD PATTERN RATHER THAN THE FLOW RUN, SO THE "AZ 0° = FLOW-RUN" DATUM ON SH01/SH04/SH05 IS PRESERVED. ALL FOUR PATTERNS WERE SOLVED SIMULTANEOUSLY: STUDS 25/85/145/205/265/325°, LIFT BOSSES 35/125/215/305°, JACKING BOSSES 30/150/270°, TRAY POSTS 45/135/225/315°. MINIMUM CLEARANCE BETWEEN ANY TWO FEATURES = 24.0 mm. NEAREST STUD (AZ 25°) IS 169 PERPENDICULAR FROM THE TRENCH CENTRELINE, 149 CLEAR OF THE Ø40 HEAD BEYOND THE 125 TRENCH HALF-WIDTH. DO NOT RE-CLOCK ANY PATTERN INDEPENDENTLY.

REV	DATE	DESCRIPTION	BY
D	2026-08-05	CONCEALED SKIRT ANCHORAGE, RESERVOIR + PLANT, PEBBLE COLLECTOR	NX
E	2026-08-20	REV D.2 ALIGNMENT + VISUAL QA CORRECTIONS	NX
F	2026-09-03	LOGO ENGRAVING ADDED (SH15); SHEET COUNT 14 -> 15	NX
G	2026-09-05	AUDIT CLOSE-OUT: CART 082 f8, SLOT 24, 24 TRAYS, DN80	NX
G.2	2026-09-06	PART DRAWINGS SH30-38; SLOTS AZ22.5; DOUBLER R995	NX
G.3	2026-09-06	SH37 BRACKET, SH42 WELD MAP, P-16 BELLOW; IFF	NX

SPA FOUNTAIN — B7 SPA, MALDIVES

SPA-F-SH06 — FOUNDATION AND COLLECTOR CHAMBER

DRAWN: NaXief Eng.	CHECKED: NX 2026-09-06	APPROVED: I. NAZEEF 2026-09-06	STATUS: IFF REV G.3
DATE: 2026-09-06	REV: G.3	UNITS: mm	SCALE: AS NOTED
A3 · SHEET 6/25			

ISSUED FOR FABRICATION — REV G.3 · HOLD POINTS PER SH42

WORK TO FIGURED DIMENSIONS · ISO 2768-mK U.O.S.

