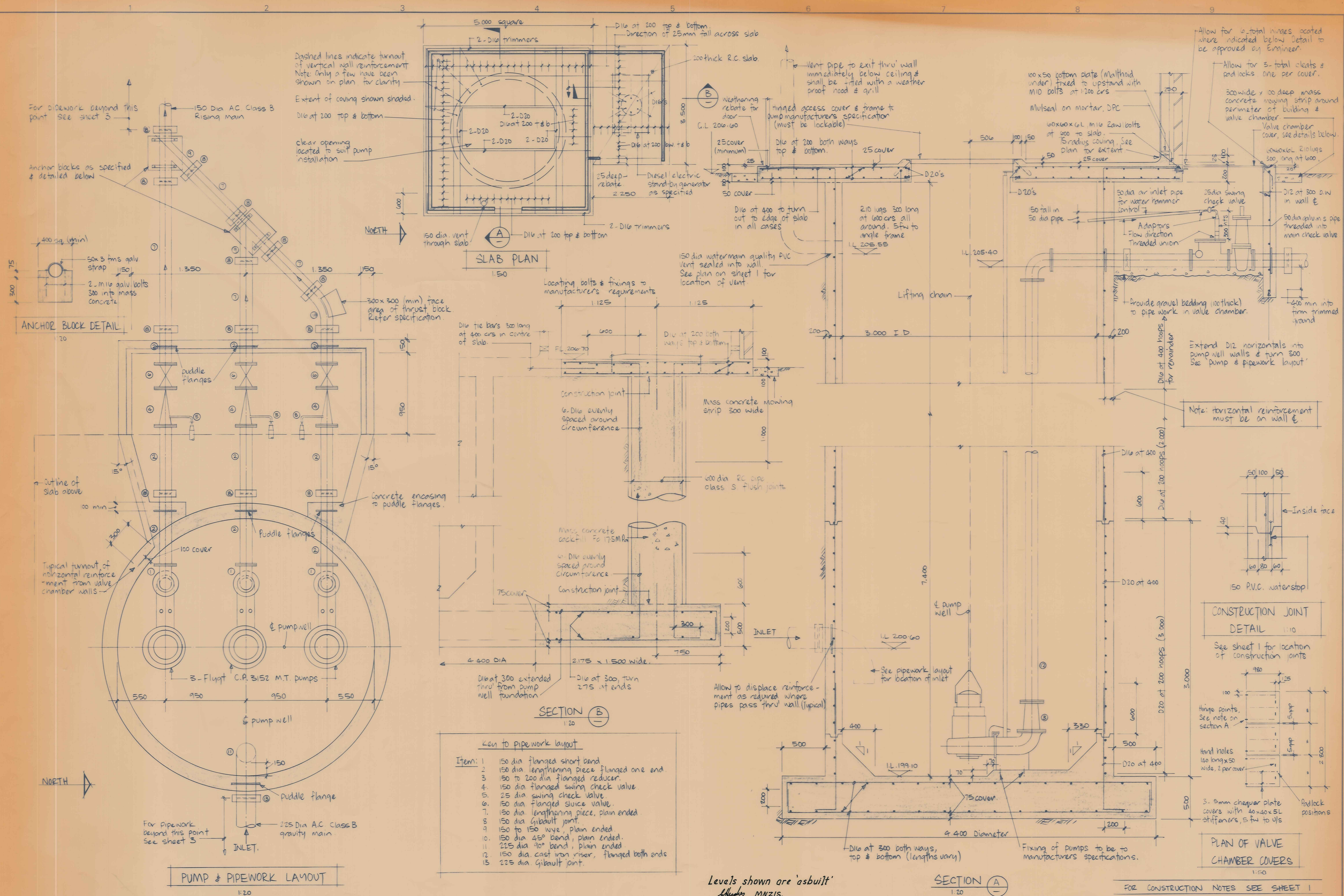


- ### Construction notes
- Do not scale this drawing
 - All dimensions are to be verified on site.
 - Foundation material to have an allowable bearing capacity of 200 kPa
 - Construction joints other than those indicated, may be made only in positions approved by the Engineer
 - Care should be taken to ensure correct concrete cover to reinforcement as detailed.
 - Design concrete strength at 28 days $F'_c = 25 \text{ M.Pa}$
 - Back filling is not to be carried out behind walls until concrete has reached its design strength.
 - All structural steelwork to be not dipped galvanised as specified
 - For electrical services, see sheet 5.

DUFFILL WATTS & KING LTD CONSULTING CIVIL & STRUCTURAL ENGINEERS Dundee PO Box 5269 Ph 777-133 Invercargill PO Box 576 Ph 83049 Cromwell PO Box 82 Ph 50391	MINISTRY OF WORKS & DEVELOPMENT	CLUTHA VALLEY DEVELOPMENT CROMWELL EXPANSION SANITARY SEWER PUMPING STATIONS	PUMPING STATION ANDERSON PARK GENERAL ARRANGEMENT & SITE PLAN	AMENDMENTS			NAME DATE Surveyed Drawn E.P. Wilson Aug 1982 Calculations J.B.F. Piddock " " " Traced E.P. Wilson " " " Checked " " " " " Approved " " " " "	JOB NO. 9532	Sheet No 1 of 5 sheets L.B. F.B.
				NO.	BY	DATE			

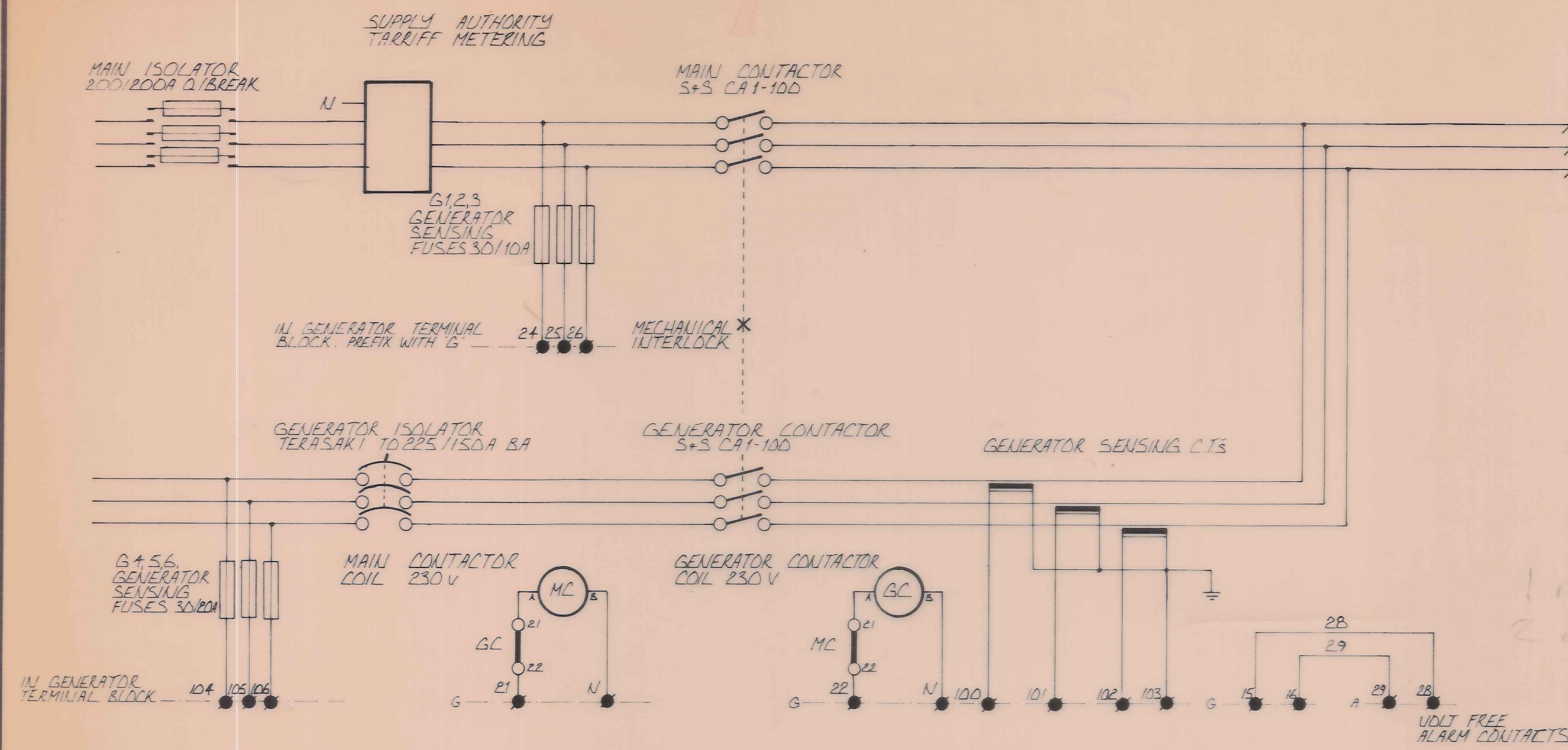


Key to pipework layout

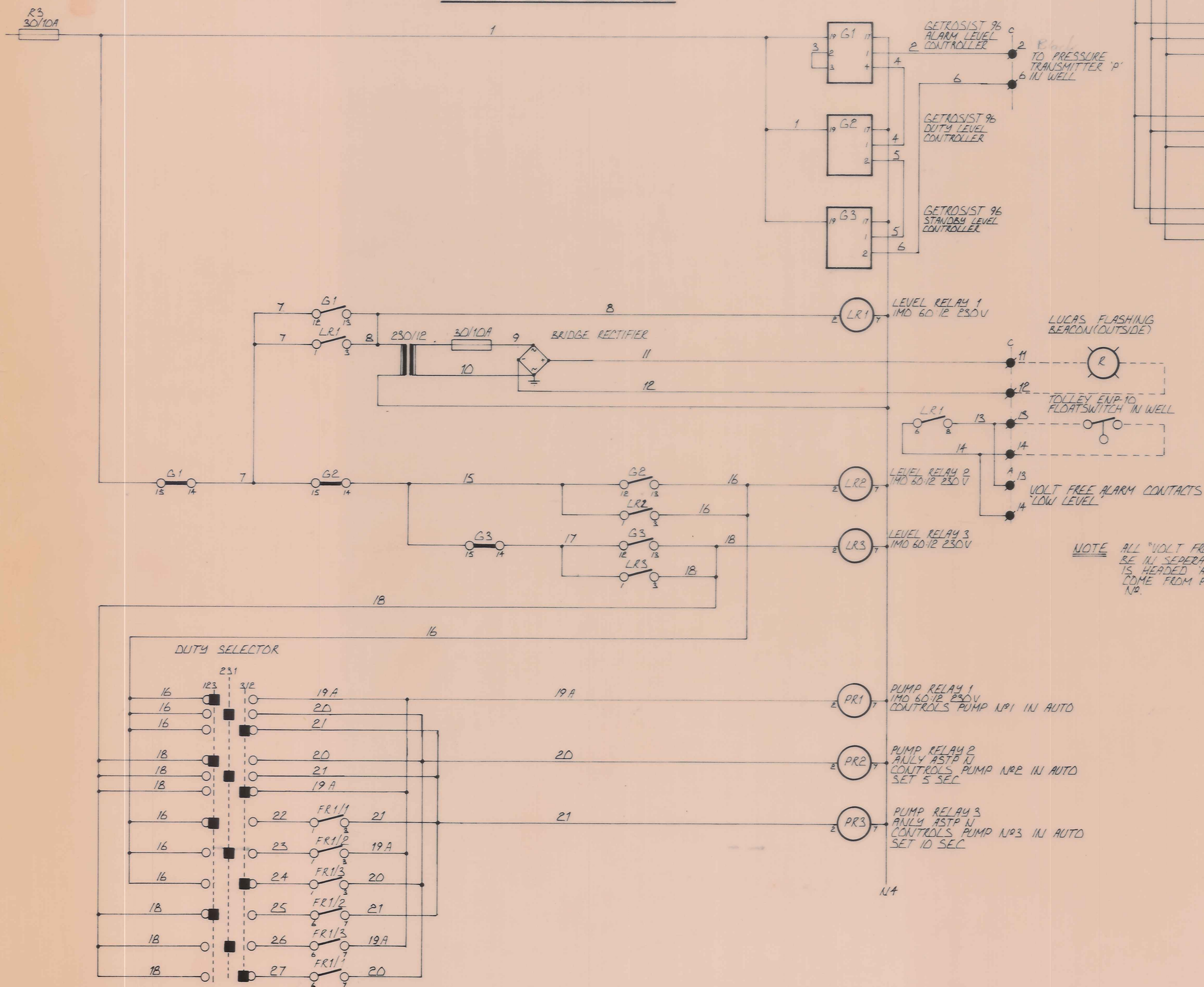
- 150 dia flanged short bend
- 150 dia lengthening piece flanged one end
- 50 to 200 dia flanged reducer
- 150 dia flanged swing check valve
- 25 dia swing check valve
- 150 dia flanged sluice valve
- 150 dia lengthening piece, plain ended
- 150 dia Gibault joint
- 150 to 150 wye, plain ended
- 150 dia 45° bend, plain ended
- 225 dia 90° bend, plain ended
- 150 dia cast iron riser, flanged both ends
- 225 dia Gibault joint

AMENDMENTS			NAME		DATE	JOB NO.	Sheet No.	
NO	BY	DATE	App'd	Surveyed		9532	2B of 5 sheets	
A	NR/EP	11-3-83		Drawn	ER Wilson			16.8.87
B	NR/EP	10-3-83		Calculations	J.B.F. Picoock			
				Traced	EP Wilson			
				Checked				
				Approved				

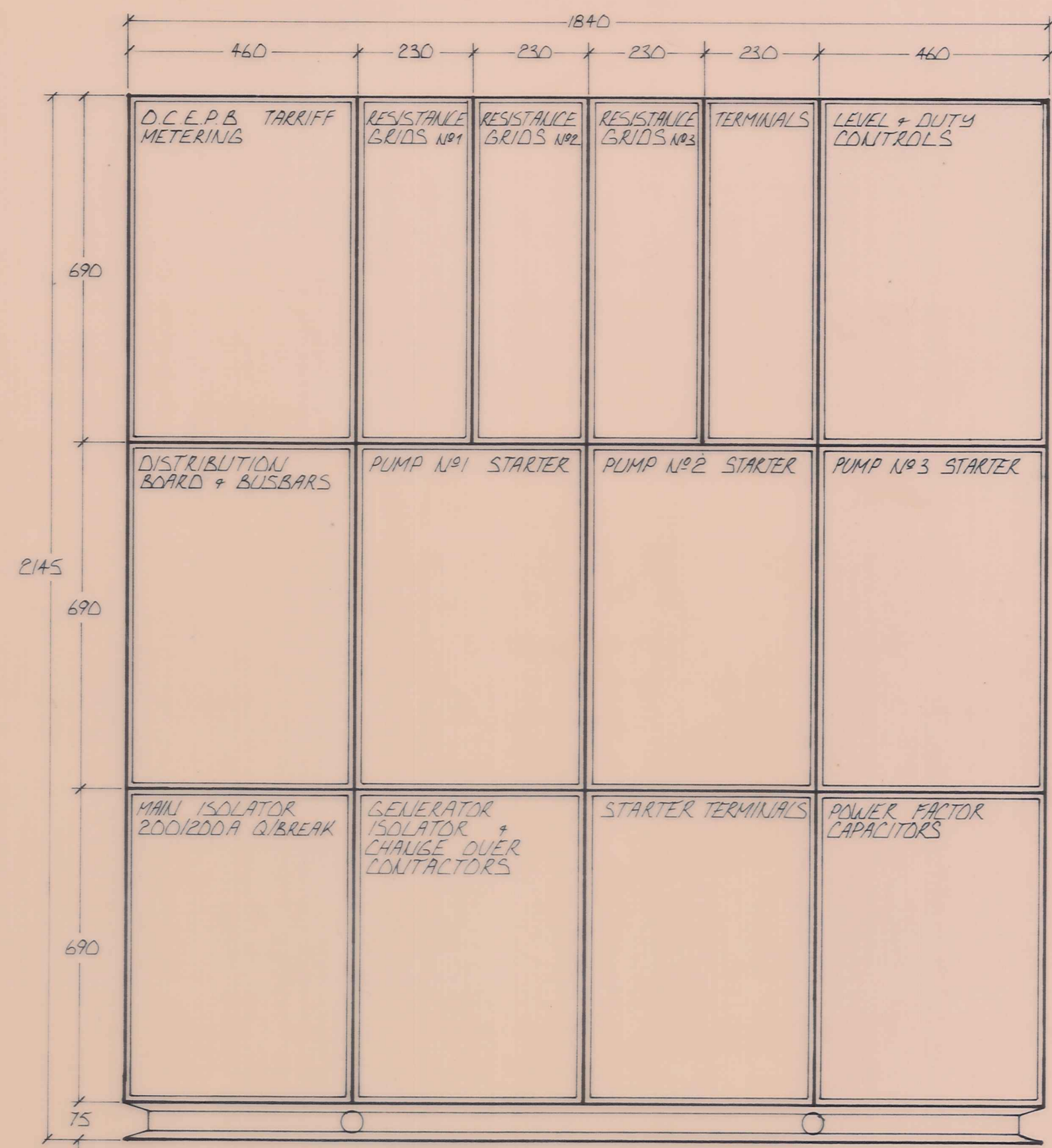
POWER WIRING



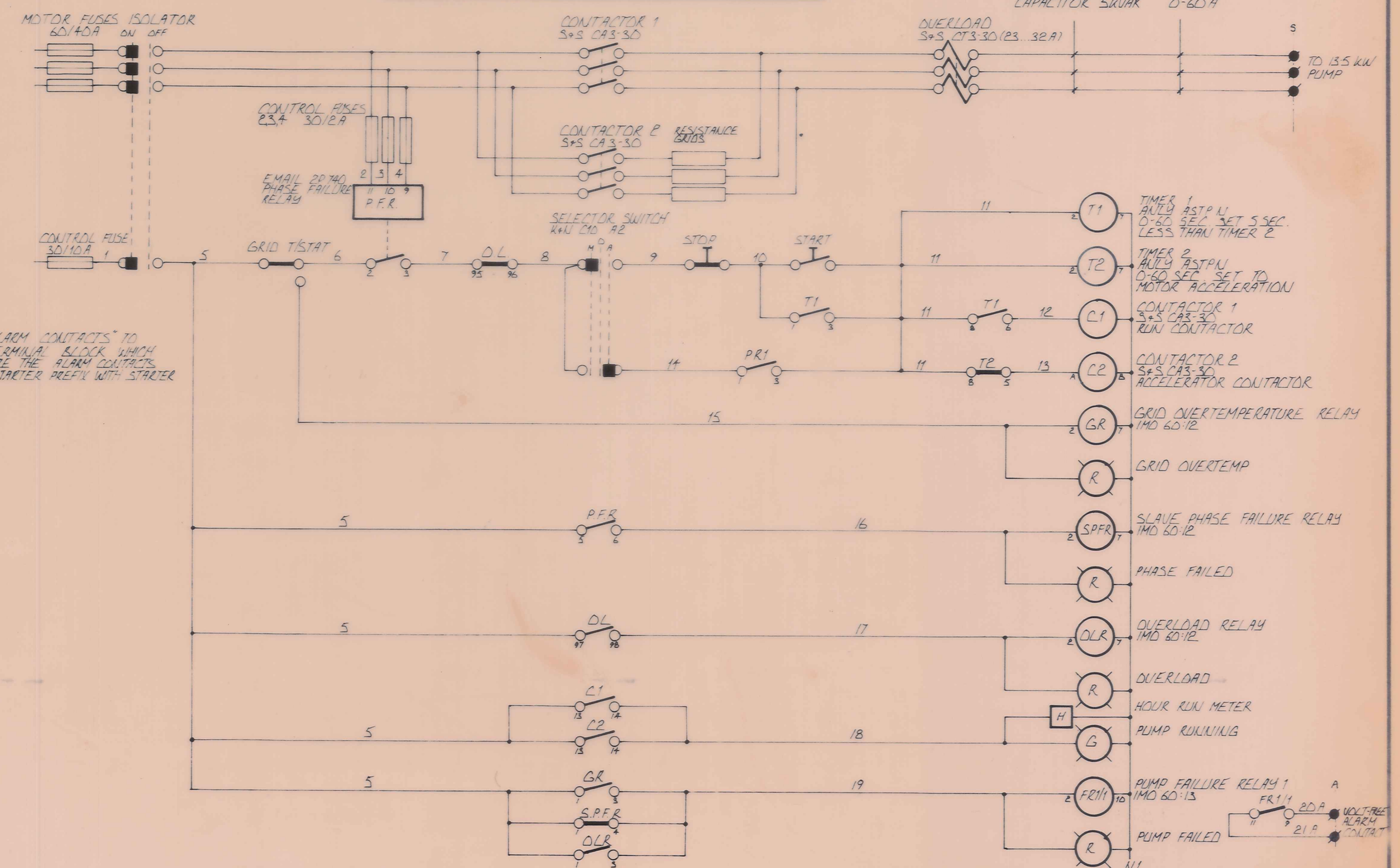
LEVEL & DUTY CONTROLS



LAYOUT



PUMP N°1 STARTER (STARTER 2+3 SIMILIAR)



CLIVE WILSON LTD DUNEDIN

CLUTHA VALLEY DEVELOPMENT ANDERSONS PARK SEWERAGE PUMPING STATION LAYOUT & WIRING DIAGRAM			SHEET 2357 J.N. 021
DRAWN	CHECKED	SCALES	SERIES OF 1
TRACED	DATE 7-3-83		REF

665850m N

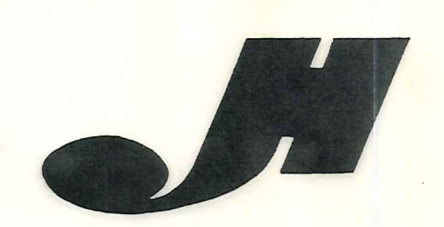
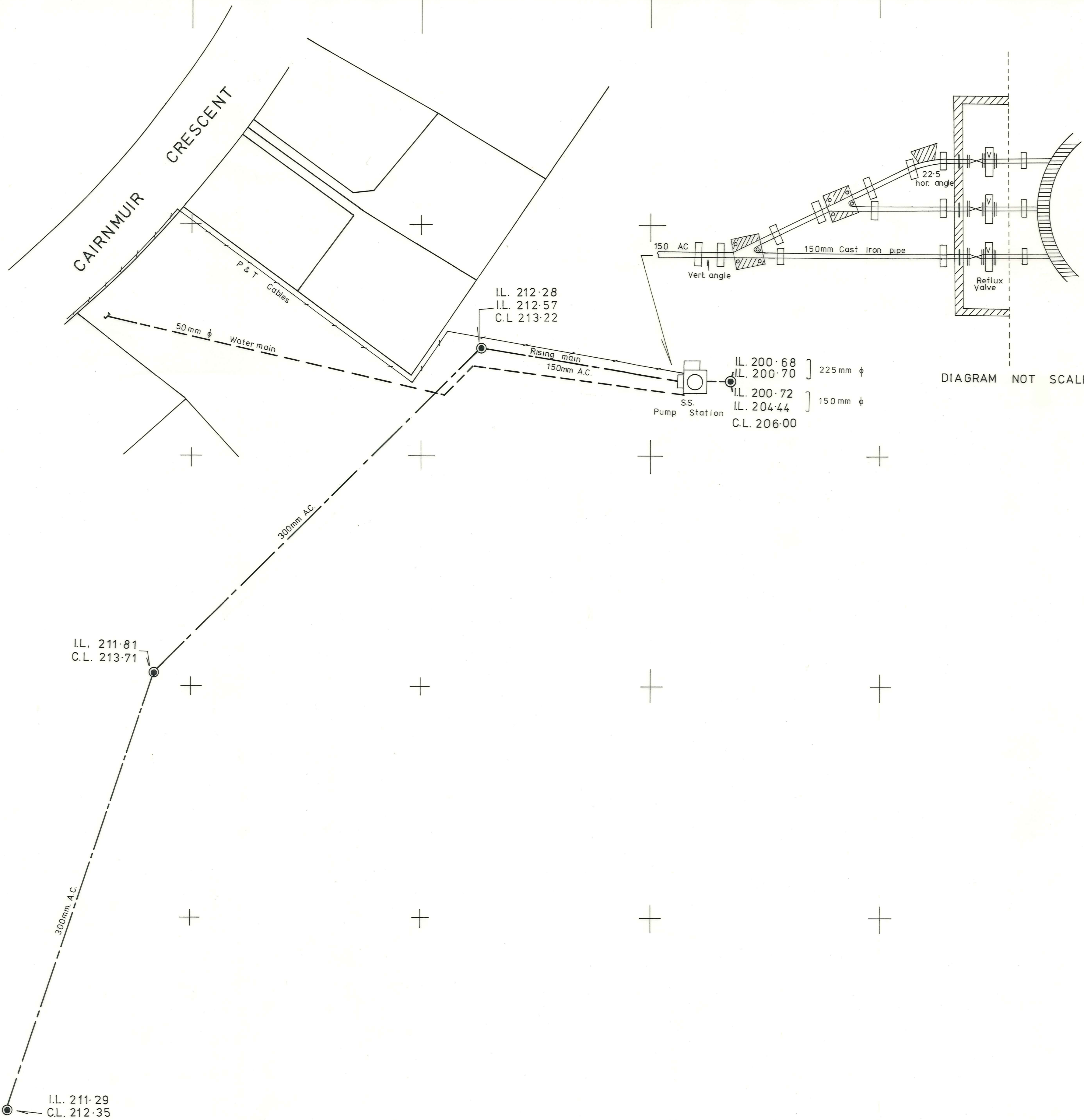
665750 N

665600m N

278200 E

278350 E

278550 E



JOHNSTON HATFIELD HUGHES & PARTNERS
 PLANNING AND SURVEYING CONSULTANTS
 REGISTERED ARCHITECTS
 P.O. BOX 51, CROMWELL Phone (0294) 50-376

ASBUILT PLAN
SANITARY SEWER PUMP STATION ANDERSON PARK
 Contractor : March Construction Ltd.

SURVEY		DRAWN	M. Edgar	May 83	ORIGINAL SCALE 1:500	JOB NO. C 172
LEVEL		TRACED	M. Edgar	May 83		
DESIGN		CHECKED	M. Hughes	May 83	DATUM M.S.L.	PLAN NO. C 87
NO. AMENDMENTS		Initials	Date			
Level Bk. C10 Field Bk.						1 of 1 Sheets

CERTIFIED CORRECT
M. Hughes
 REGISTERED SURVEYOR