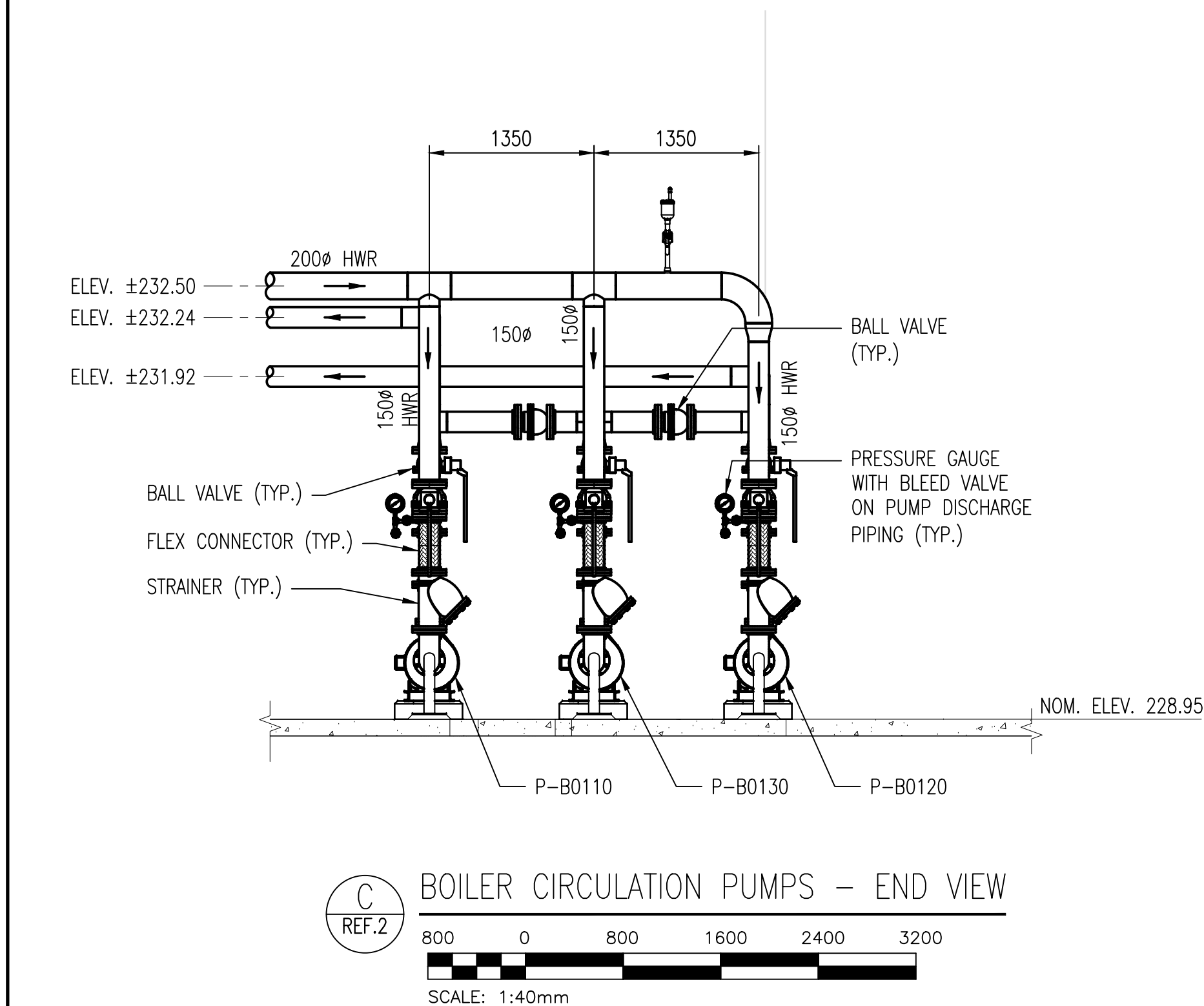
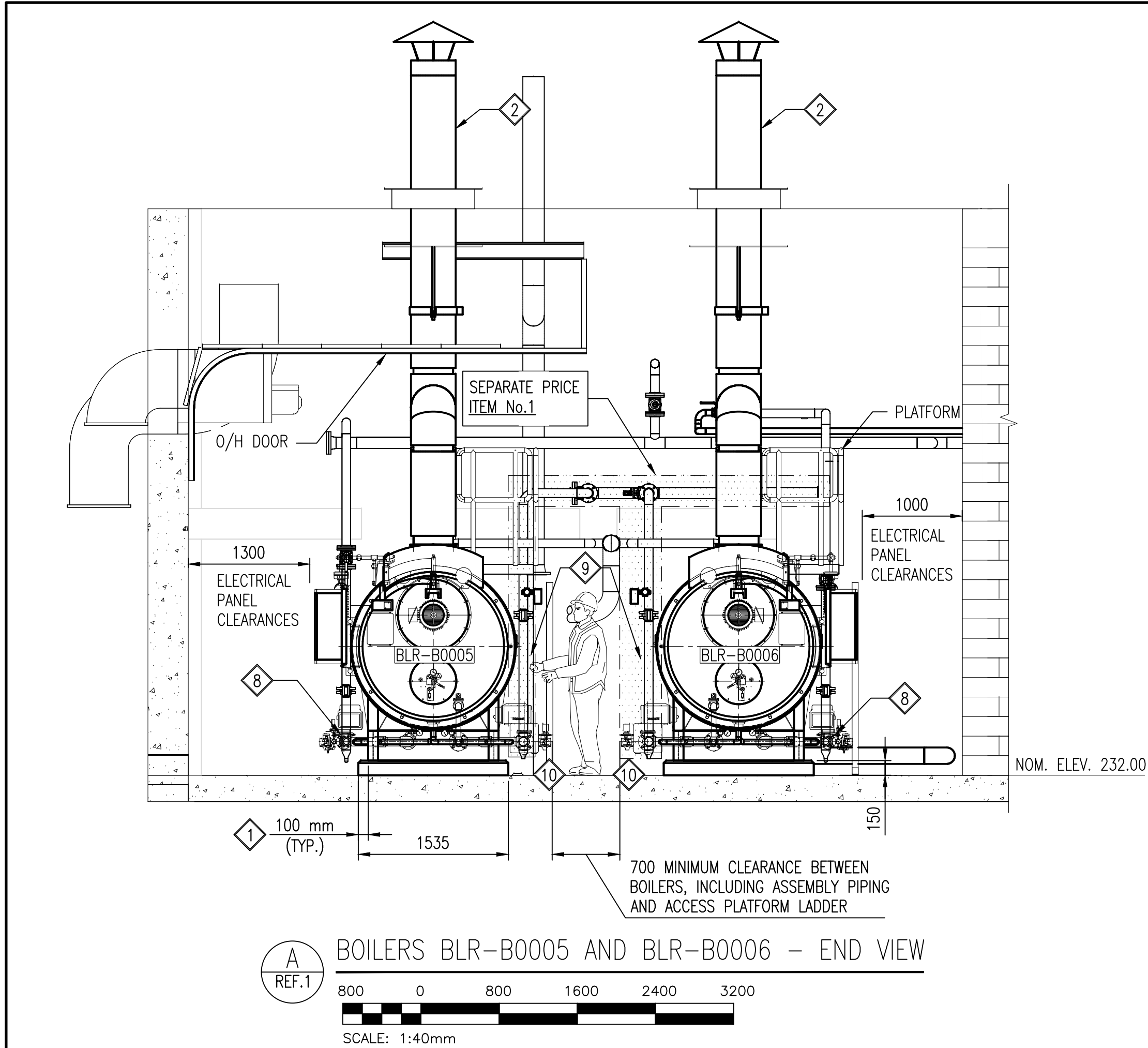
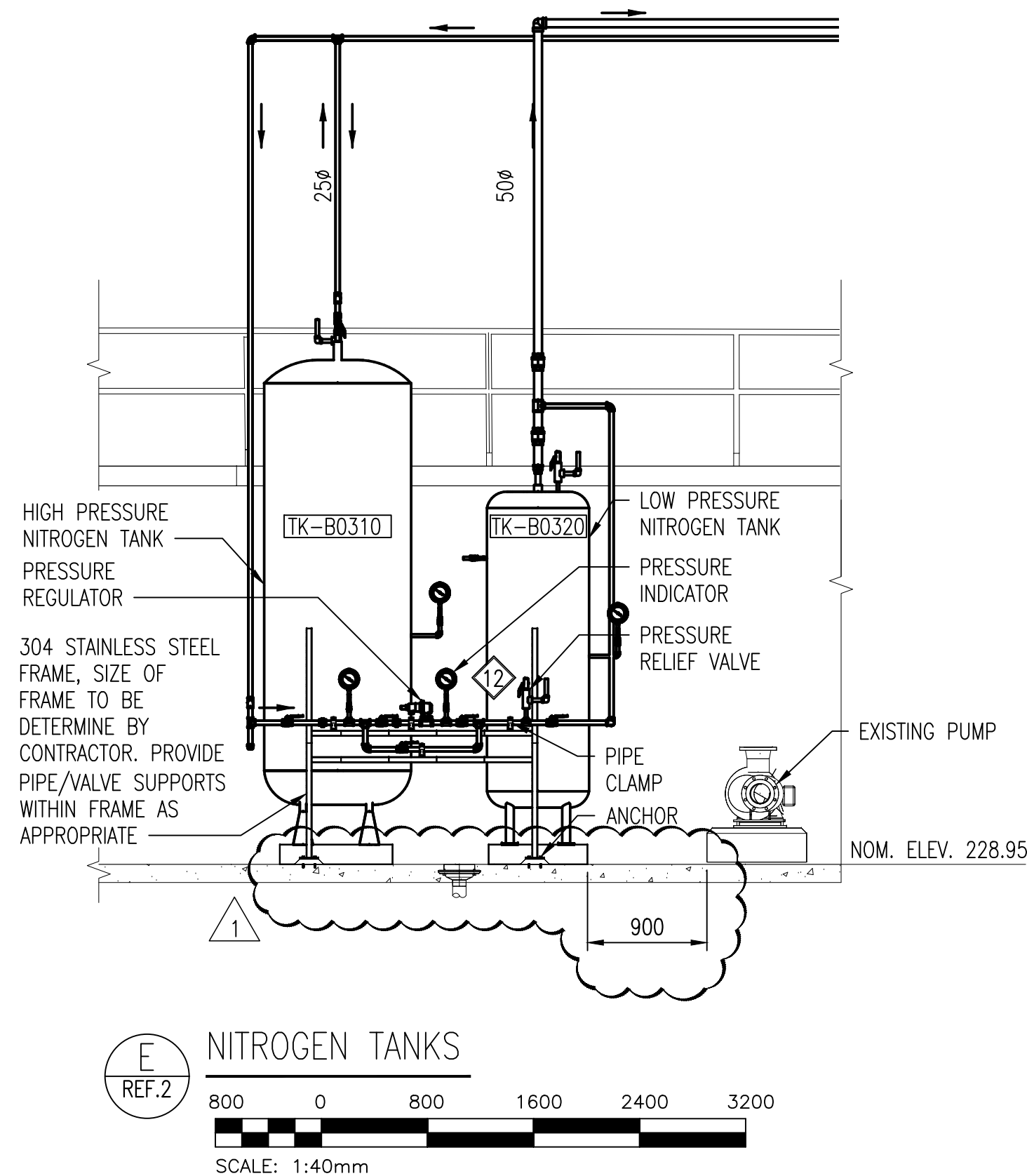
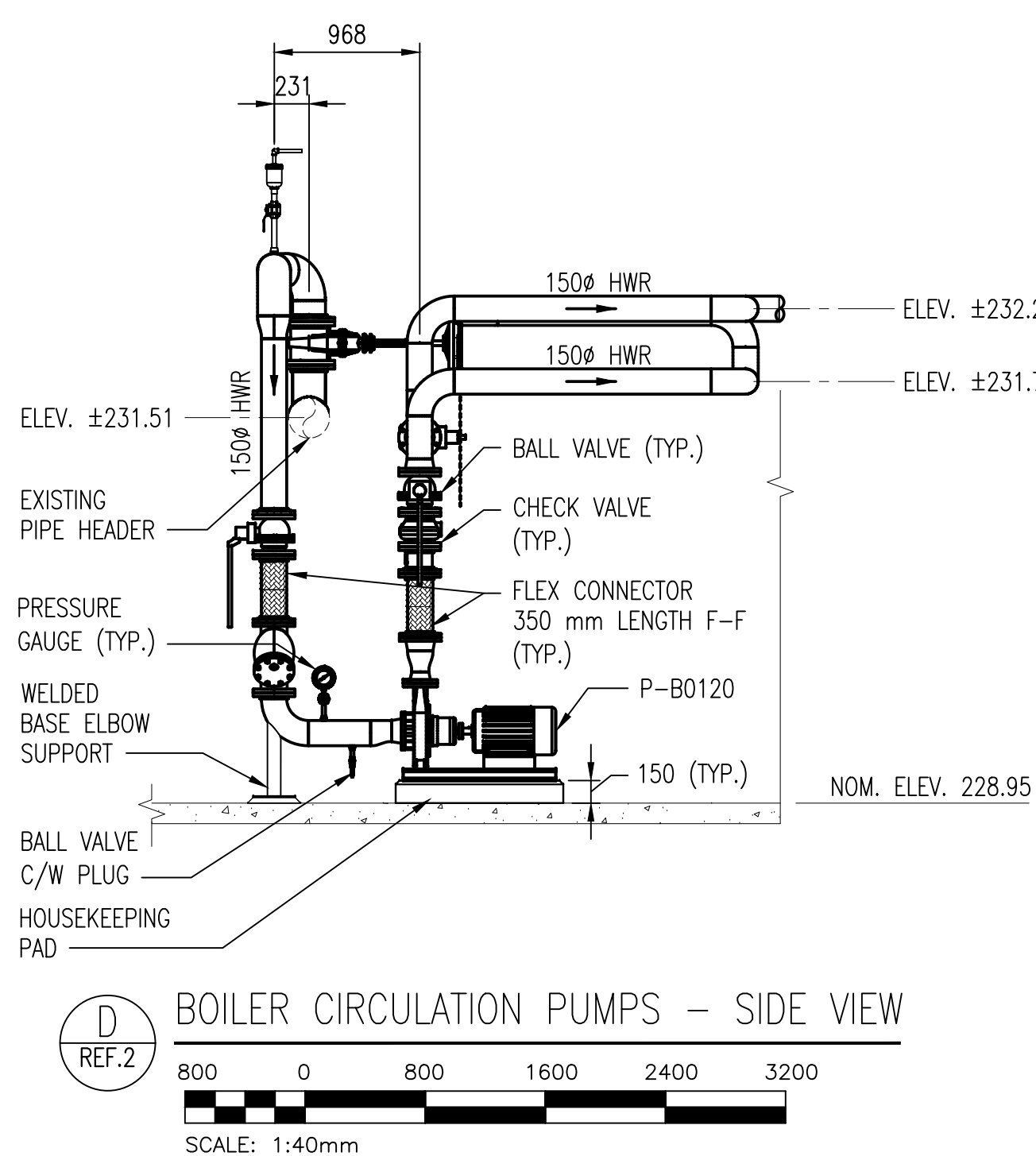
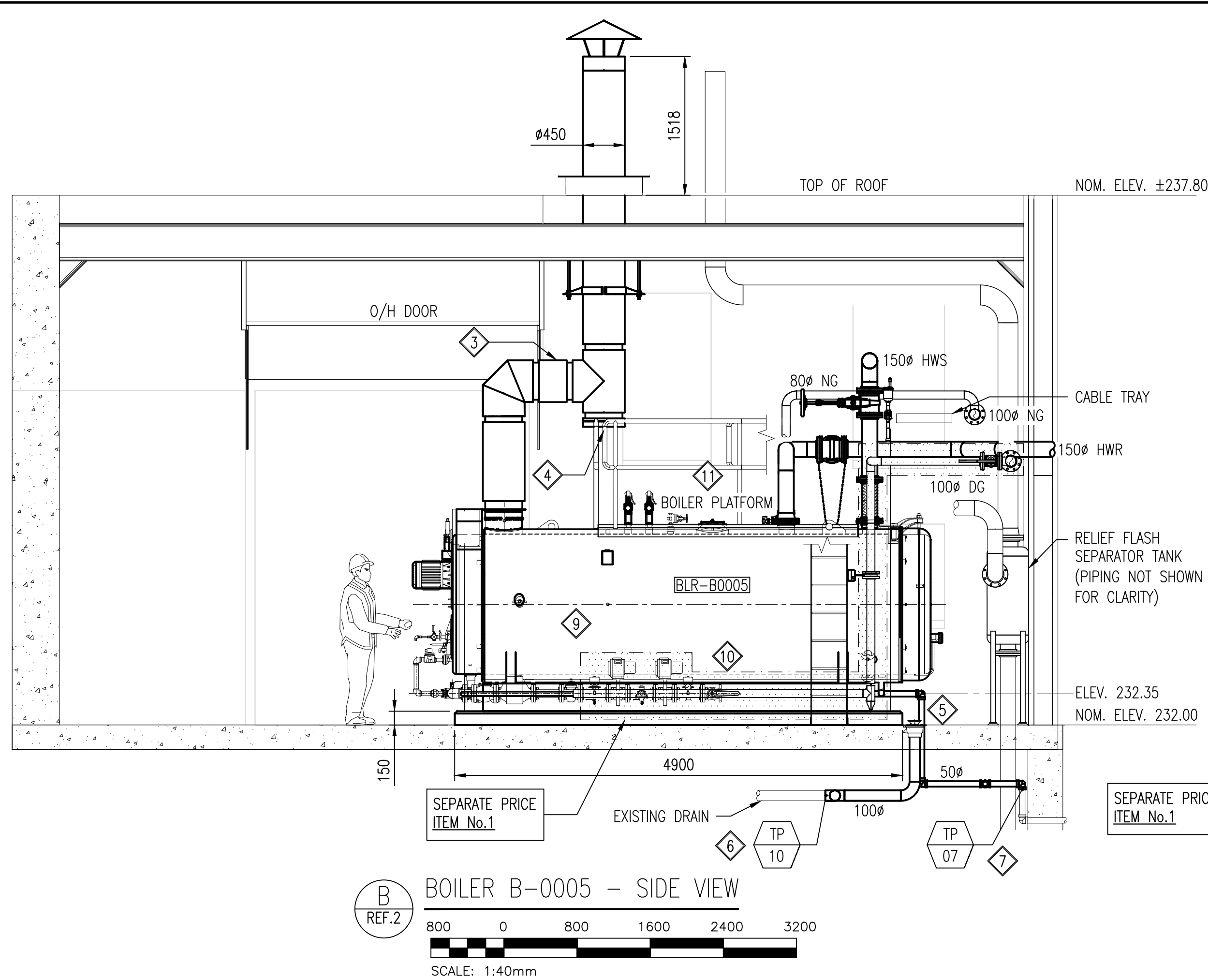
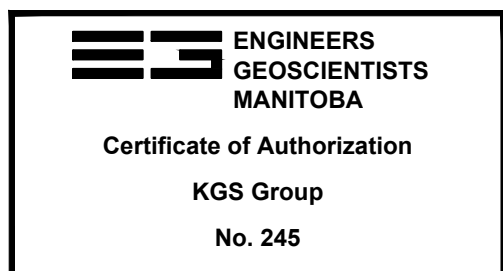




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2	1-0101-MGAD-B013-001	MECHANICAL – MAIN BOILER ROOM – PIPING
1	1-0101-MGAD-B012-001	MECHANICAL – BOILER CLEARANCES
NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE
REFERENCE DRAWINGS		



B.M.	ELEV.	
CONSTRUCTION COMPLETION DATE: YYYY MM DD		
1	RE-ISSUED FOR CONSTRUCTION	2025 04 15
0	ISSUED FOR CONSTRUCTION	2025 03 24 JS
NO.	REVISIONS	DATE BY

KGS GROUP	
DESIGNED BY	JS
CHECKED BY	AJF
DRAWN BY	RVD
APPROVED BY	JS
SCALE:	AS SHOWN
RELEASED FOR CONSTRUCTION	
DATE	2024 08 16
DATE	
PLOT DATE: 2025 04 15	

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION	
NORTH END SEWAGE TREATMENT PLANT (NEWPCC) NEWPCC BOILER REPLACEMENT 2025-2026 AREA B – BOILER ROOM	
MECHANICAL SECTIONS AND DETAILS	
CITY DRAWING NUMBER	1-0101-MGAD-B024-001
SHEET	1 OF 3

GENERAL NOTES:

- REFER TO GENERAL NOTES ON DRAWING 1-0101-MGAD-B002-001.

KEYNOTES:

- INSTALL NEW HOUSEKEEPING PAD. PAD TO EXTEND 100 mm BEYOND BASE OF BOILER ALL AROUND. CONTRACTOR TO FIELD CONFIRM DIMENSIONS PRIOR TO INSTALLATION. REFER TO STRUCTURAL DRAWING 1-0101-SDTL-B003-001 FOR HOUSE KEEPING PAD DETAIL.
- INSTALL NEW CHIMNEY FOR BOILER THROUGH ROOF. REFER TO STRUCTURAL DRAWINGS FOR PENETRATION DETAIL.
- BOILER CHIMNEY TO BE INSTALLED TO AVOID INTERFERENCE WITH OVERHEAD DOOR.
- INSTALL CONDENSATE DRAIN PIPING FOR EACH BOILER CHIMNEY. ROUTE CONDENSATE DRAIN PIPING TO NEAREST FLOOR DRAIN. AVOID INTERFERENCE WITH BOILER DOOR SWING CLEARANCE.
- INSTALL NEW FLOOR DRAIN. TYPICAL EACH BOILER.
- TIE-IN NEW DRAIN PIPING TO EXISTING DRAIN HEADER IN BASEMENT.
- INSTALL AND CONNECT DRAIN PIPING FOR EACH NEW BOILER. TIE-IN NEW DRAIN PIPING TO EXISTING BLOW DOWN HEADER IN MAIN BOILER ROOM.
- BOILER NATURAL GAS TRAIN, SUPPLIED WITH BOILER. CONTRACTOR TO PROVIDE AND INSTALL REQUIRED VENTING AS PER BOILER MANUFACTURER REQUIREMENTS.
- INSTALL AND CONNECT DRAIN PIPING TO EACH BOILER MANUAL AND AUXILIARY LOW WATER CUTOFF BLOW DOWN VALVE. ROUTE DRAIN PIPING TO DISCHARGE TO NEAREST FLOOR DRAIN.
- BOILER DIGESTER GAS TRAIN, SUPPLIED WITH BOILER. INSTALL AND CONNECT DRAIN PIPING TO ALL CONDENSATE TRAP CONNECTIONS ON BOILER DIGESTER GAS TRAIN. ROUTE DRAIN PIPING THROUGH FLOOR AND BASEMENT TO DIGESTER GAS CONDENSATE TRAPS IN THE MAIN BOILER ROOM.
- BOILER VENDOR TO DESIGN AND SUPPLY NEW PLATFORM. CONTRACTOR TO INSTALL AS PER BOILER MANUFACTURER REQUIREMENTS.
- REROUTE NITROGEN PRESSURE RELIEF VALVE TO ATMOSPHERE. CONFIRM DISCHARGE LOCATION WITH CONTRACT ADMINISTRATOR

LEGEND:

- NEW EQUIPMENT/PIPING
- EXISTING EQUIPMENT/PIPING

(NOTE: REFER TO DRAWING 1-0101-MGAD-B002-001 FOR ADDITIONAL LEGENDS)