

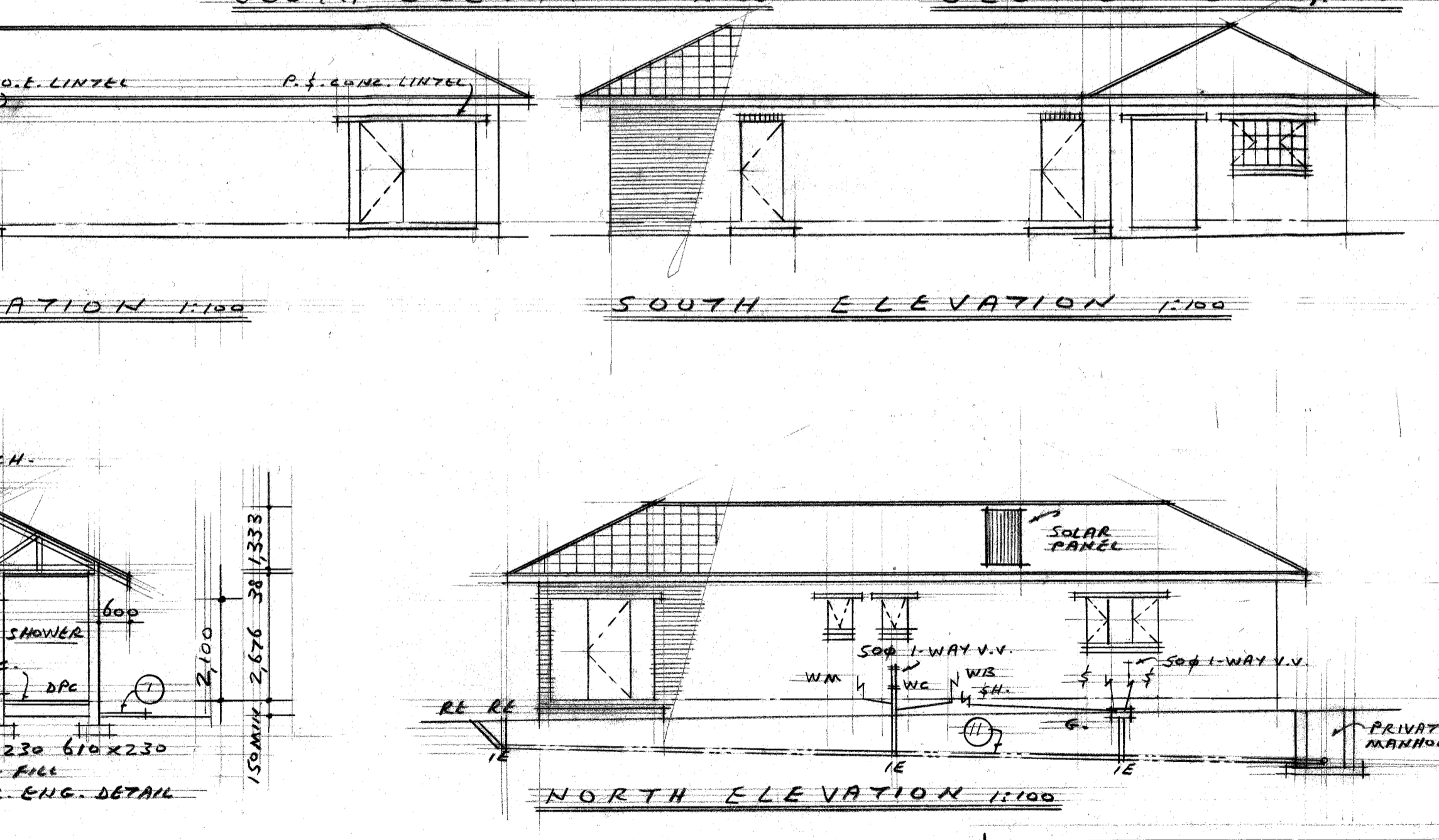
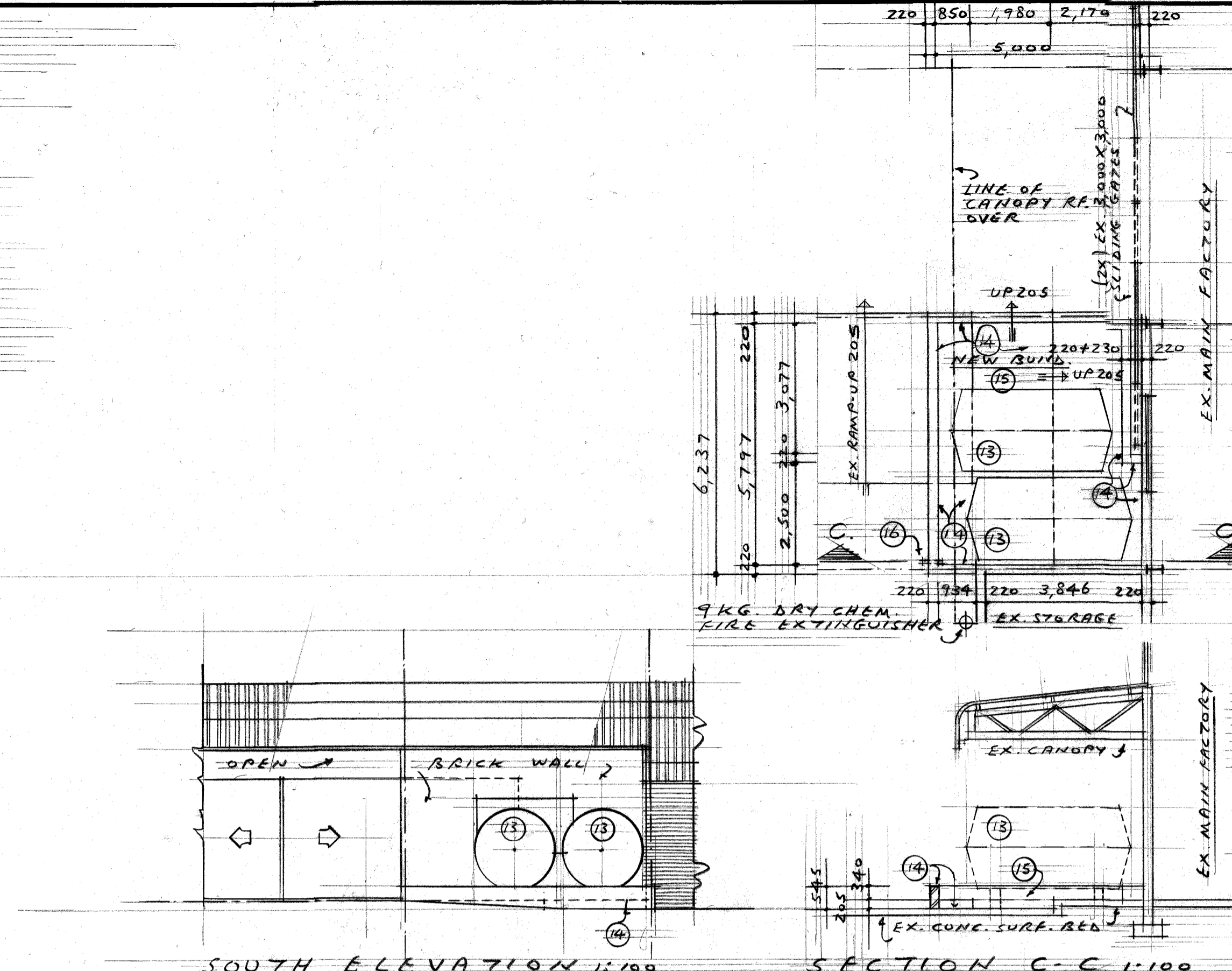
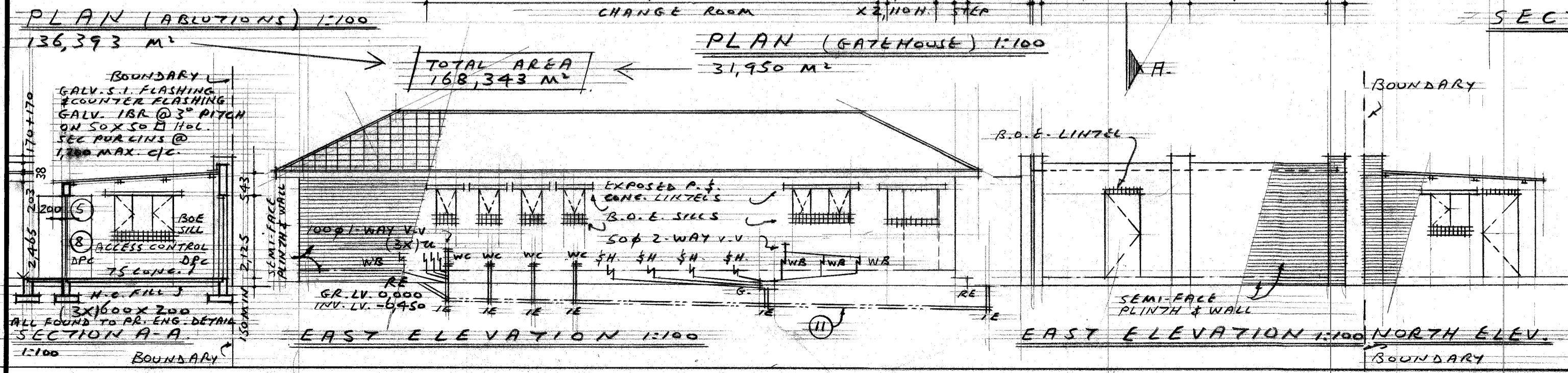
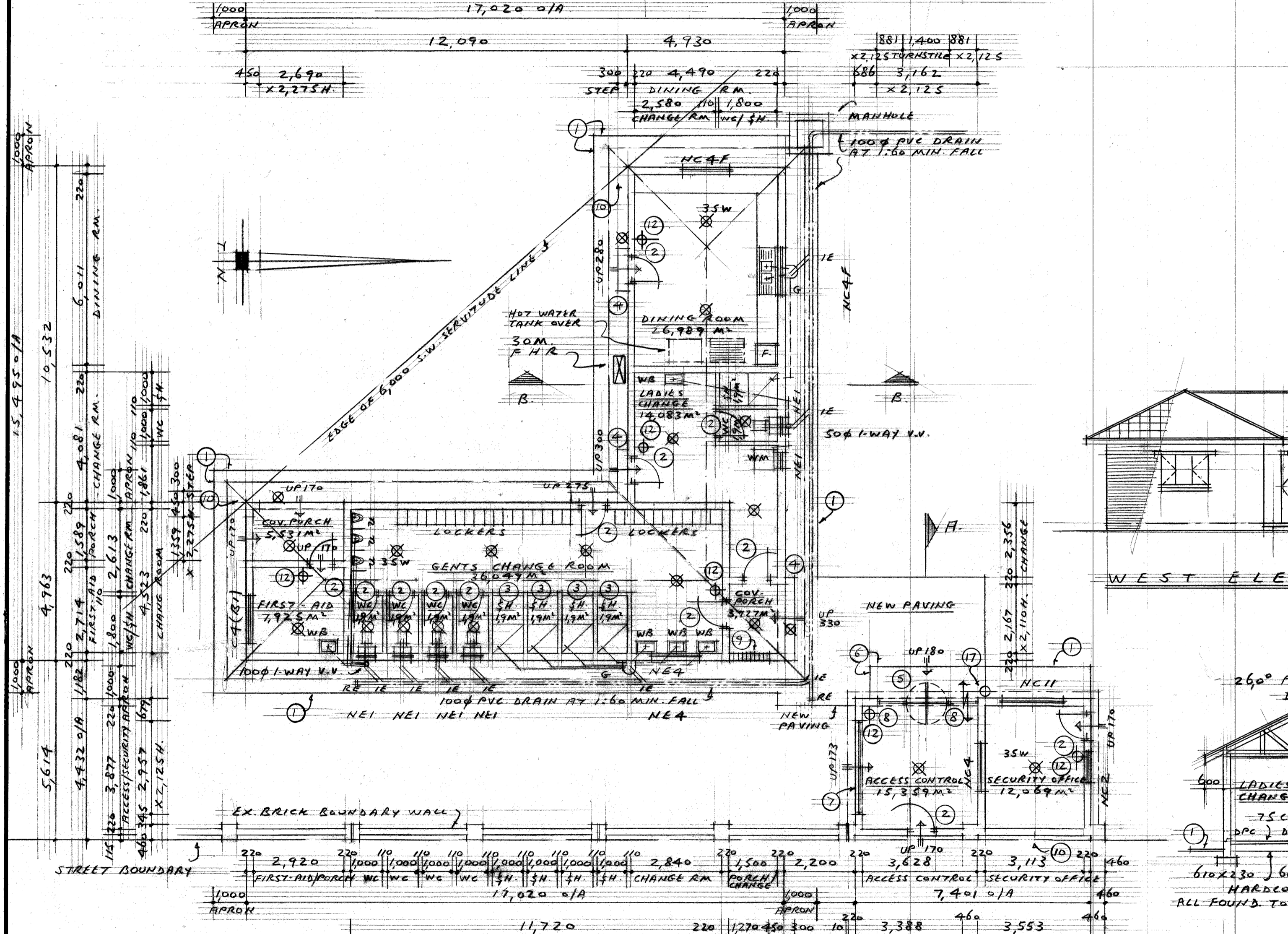
WINDOW	FENESTRATION	SCHEDULE	ABLUTION	Block
01	CA	STEEL	1,511 X 0,949	1,434 M ²
02	NC4F	STEEL	1,511 X 0,949	1,434 M ²
03	NC4F	STEEL	1,511 X 0,949	1,434 M ²
04	NE1	STEEL	0,533 X 0,654	0,349 M ²
05	NE1	STEEL	0,533 X 0,654	0,349 M ²
06	NE4	STEEL	1,511 X 0,654	1,434 M ²
07	NE1	STEEL	0,533 X 0,654	0,349 M ²
08	NE1	STEEL	0,533 X 0,654	0,349 M ²
09	NE1	STEEL	0,533 X 0,654	0,349 M ²
10	NE1	STEEL	0,533 X 0,654	0,349 M ²
TOTAL FENESTRATION AREA				7,830 M ²
NET FL. AREA =				75,046 M ² = 10,434%
COMPLIES WITH SANS 204 (15% ALLOWED)				

ROOF NOTES: (ABLUTIONS)
 CASTERETE CONG. ROOF TILES AT 26° PITCH ON 38 X 38 SAP BATTENS @ 320 MAX. C/C OR 38 X 114 GRADE 5 SAP TRUSSES @ 760 MAX. C/C ALL TRUSSES TO BE TIED DOWN WITH GALV. HOOP IRON 76 X 38 SAP WALL PLATES 23 X 10 NOTEC FASCIAS NIL GUTTERS & NIL DOWN-PIPES GYPSUM CEILINGS ON 38 X 38 SAP BRANDING WHITE PLASTIC SABS TILE UNDERLAY 135MM THICK STABILITE BULK CEILING BLANKET INSULATION @ 12 KG/M³ WITH R-VALUE OF 3,395 + ADDED R-VAL COMPLIES WITH SANS 204 MIX. ADDED R-VAL REQUIRED IS 3,30

ENERGY DEMAND FOR LIGHTING (W/M²)
 TOTAL NEW FLOOR AREA = 168,343 M² MAX. WATT FOR LIGHTING ALLOWED: NOT TO EXCEED 50 W/M² = 8417 W ENERGY DEMAND FOR LIGHTING ACHIEVED (22 X) LIGHTS @ 35 WATT EACH, MAX 770,0 W COMPLIES WITH SANS 204

GENERAL NOTES:
 FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALING ALL DIMENSIONS & FALL OF GROUND TO BE CHECKED ON SITE DPC UNDER ALL WALLS & WIN. SIZES VERT. DPC AT ALL CHANGES IN FL. LV. DPC UNDER ROOF-TILES APX & RIDGES ALL NEW WORK TO MATCH EXIST. & TO COMPLY WITH SANS 10400 ALL NEW MATERIALS TO BE SABS APPROVED ALL STRUCTURAL ELEMENTS AS REQ. TO PR. ENG. DETAIL & SPECIFICATIONS ALL FIRE SIGNAGE TO FIRE SPECIALIST DETAIL & SPECIFICATIONS

WATER LEGEND:
 --- COLD WATER PIPE
 --- HOT WATER PIPE
 [Symbol] SOLAR PANEL
 [Symbol] HOT WATER TANK
 W.M. WATER METER



1. 1000 WIDE PAVED PERIMETER APRON TO BE GRADED TO FALL AWAY FROM BLDG.
2. PRES. MET. DOOR IN PRES. MET. FRAME
3. 150MM. HIGH THRESHOLD AND 2,100MM. LINTELS OVER
4. NEW 300 WIDE SPEC.
5. TURNSTILE TO SPECIALIST DETAIL & SPECIFICATION.
6. EXTEND CONG. SURFACE BED, AS SHOWN
7. 2,957 X 2,125H. GALV. CLEARVUE SCREEN TO SPEC. DETAIL & SPECS.
8. 881 X 2,125H. GALV. CLEARVUE SCREENS TO SPEC. DETAIL & SPECS.
9. 1,335H. WALL WITH B.O.E. COILING. FOUNDATIONS NOT TO ENROACH INTO SERVITUDE & OVER BOUNDARY
10. 100% PVC DRAIN AT 1:60 MIN. FALL WITH I.E. AT ALL BENDS & JUNCTIONS
11. 45KG. DRY CHEM. FIRE EXTINGUISHER
12. 4,000 X 2,000 & 5,000 L TRANS. FORMER OIL TANKS
13. NEW 220 THICK PLASTERED BOND WALL, BUILD ON TOP OF EX. CONG. SURF. BED WITH GALV. B.RICK-FORCE IN EVERY BRICK COURSE, ALL TO PR. ENG. DETAIL & SPECIFICATIONS. EXIST. CONG. SURF. BED INSIDE BOND AND INSIDE & TOP OF NEW BOND WALLS TO BE SEALED WITH STONHARD STONCGOAT HT4 C/W STONHARD STONPRIME 786 OSMOTIC PRESSURE RESISTANT EPOXY PRIMER ALL TO MANUFACTURERS DETAIL & SPECS.
14. TOTAL CAPACITY OF NEW BOND IS 12,059 M³ TO ACCOMMODATE 1000 L TANKS PLUS 10% = 11,000 M³
15. 50% HDPE STORMWATER DISCHARGE PIPE C/W BALL VALVE TO SPECIALIST DETAIL & SPECS.
16. 9KG. DRY CHEM. FIRE EXTINGUISHER.

No.	DATE	REVISION
PR. ENG.		
OWNER		27.07.19
PR. ARCH.		31/07/19

CLIMATE ZONE 1
 Hanti MacLean
 Consulting Architectural Technologist
 P.O. Box 16575 Atterville Tel: (011) 973 2781 Cell: 082 623 6752
 SACAP REGISTRATION S.T.0805

DATE 08/07/19 SHEET 03 OF 08
 SCALE 1:100 MUN. SUB. DRWG. D3 OCCUPANCY
 NEW ABLUTION BLOCK, NEW GATE HOUSE
 FOR WHITE CLOUD TRADING (PTY) LTD.
 ON PTN. 01. OF ERF 202 ANDERBOLT EXT. 46.
 BOKSBURG AL 03 13

- ENERGY USAGE (SANS 10400) AND ENERGY EFFICIENCY (SANS 204):**
- 1) All materials used to be SABS approved.
 - 2) The volume of the annual average hot water heating requirements shall comply with Table 2 & 5 of SANS 10252-1: 2012.
 - 3) A minimum of 50% of hot water shall be provided by other means than an electric geyser (i.e. solar water heating system or heat pump).
 - 4) Solar water heating systems shall comply with SANS 1307, 10106, 10254 & 10252-1.
 - 5) Electric geyser insulation shall have a minimum R-value of 2,0; 100 mm thick isotherm proper blanket. (R-value 2,0)
 - 6) Water installations shall comply with SANS 10252-1 & 10254.
 - 7) All hot & cold water pipe insulation shall have a minimum R-value of 1,0; 50 mm thick isotherm lagging. (R-value 1,2)
 - 8) Thermal insulation shall be installed in accordance with manufacturer's instructions and shall comply with SANS 428.
 - 9) All air tightness of fenestration shall comply with SANS 613, i.e. maximum permissible air leakage for:
 Openable glazing shall be 2,0 L/m²/m.
 Non-openable glazing shall be 0,31 L/m²/m.
 Doors shall be 5,0 L/m²/m.
 - 10) All external doors & windows to habitable rooms shall be fitted with a foam or rubber or fibrous seal on 3 sides (doors) or 4 sides (windows) and a draught protection strip at the bottom of doors.
 - 11) The fenestration shall not exceed 15% of the net floor area per floor of the building.
 - 12) Lighting levels shall comply with SANS 10134 & SANS 10400-D.
 - 13) The maximum energy demand (power) & energy consumption for lighting shall comply with SANS 204, Table 12. I.e.: (5,0 W/m² demand and 5,0 kWh/m² consumption per house with a population of 4 people for H4 dwelling house occupancy) and (17 W/m² demand and 42,5 kWh/m² consumption for G1 office occupancy).
 - 14) 300 x 30 board (R=1,0) continuous insulation shall be installed around the vertical external perimeter edge of the building from the adjacent finished ground level downwards, for all buildings with a ground floor area of less than 500 m².