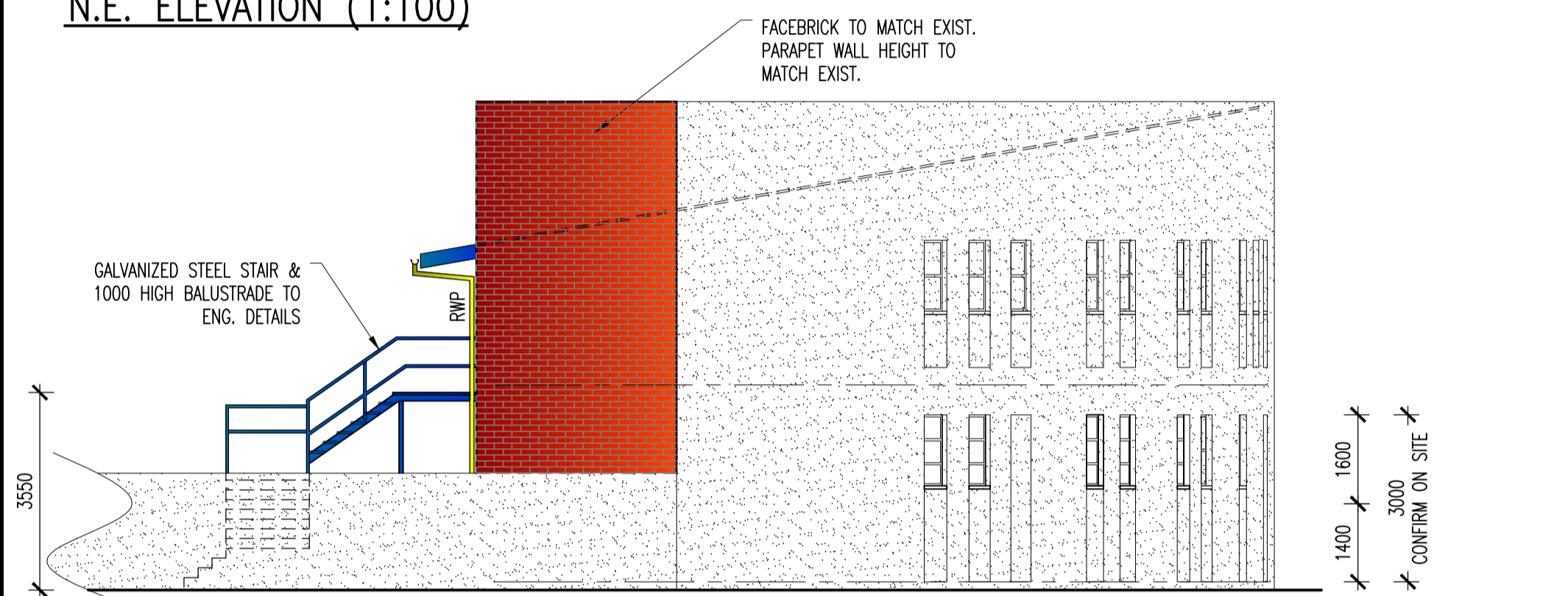
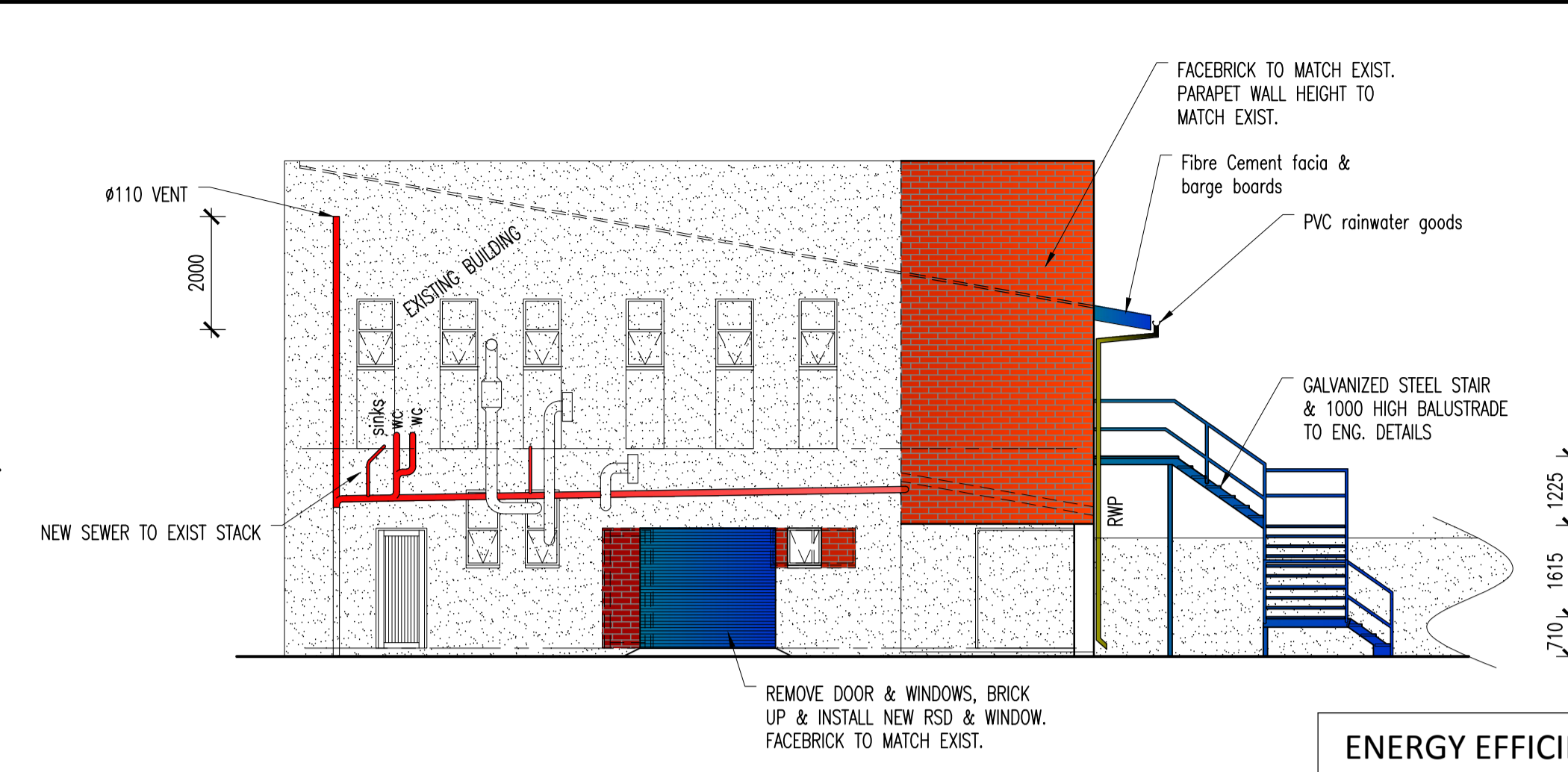


N.E. ELEVATION (1:100)



N.W. ELEVATION (1:100)



S.E. ELEVATION (1:100)

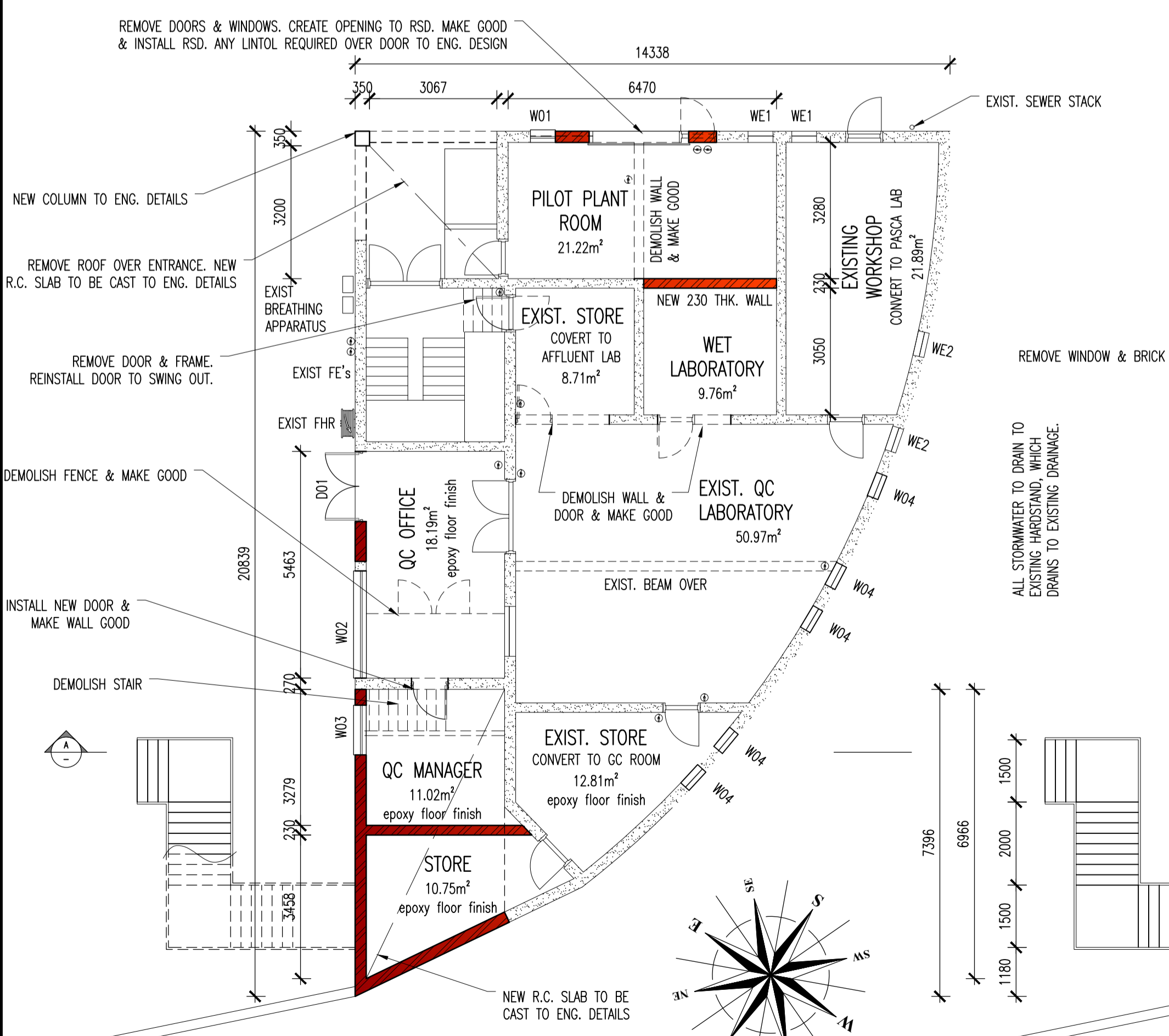
- INTERNAL FINISHES:
- Epoxy floor finish to all ground floor areas unless otherwise stated.
 - Provide powerskirting to all rooms.
 - Highly reflective paint to all walls to Electrical Eng. details.
 - Internal doors to be hollow core masonite in timber frames.
 - Any counters / work surfaces and cupboards are to owners layout. Working surfaces to be constructed of brick & epoxy coated, concrete (or similar approved).

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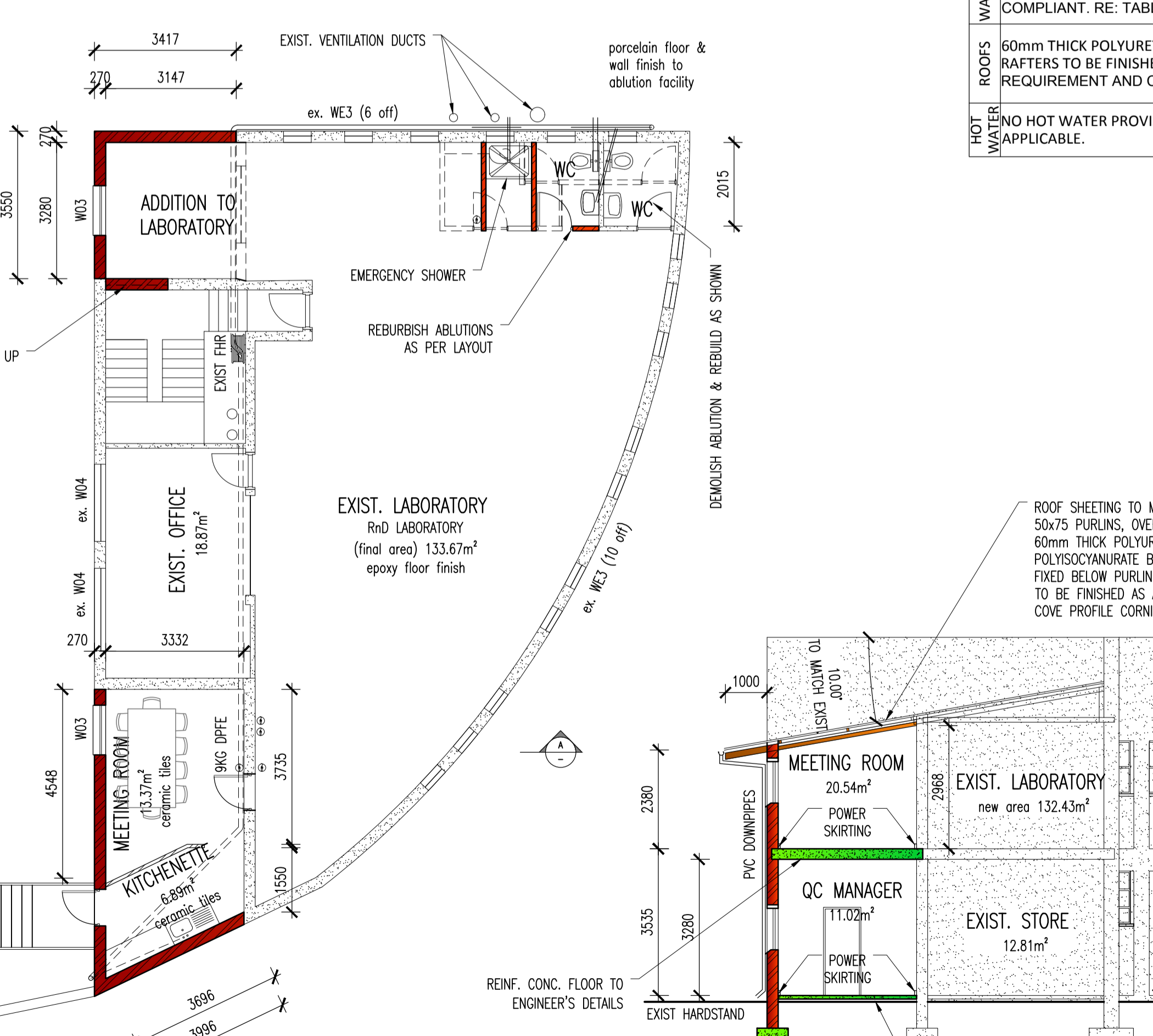
REFERENCE DRAWING

ENERGY EFFICIENCY (fenestration/net floor area), LIGHTING AND VENTILATION

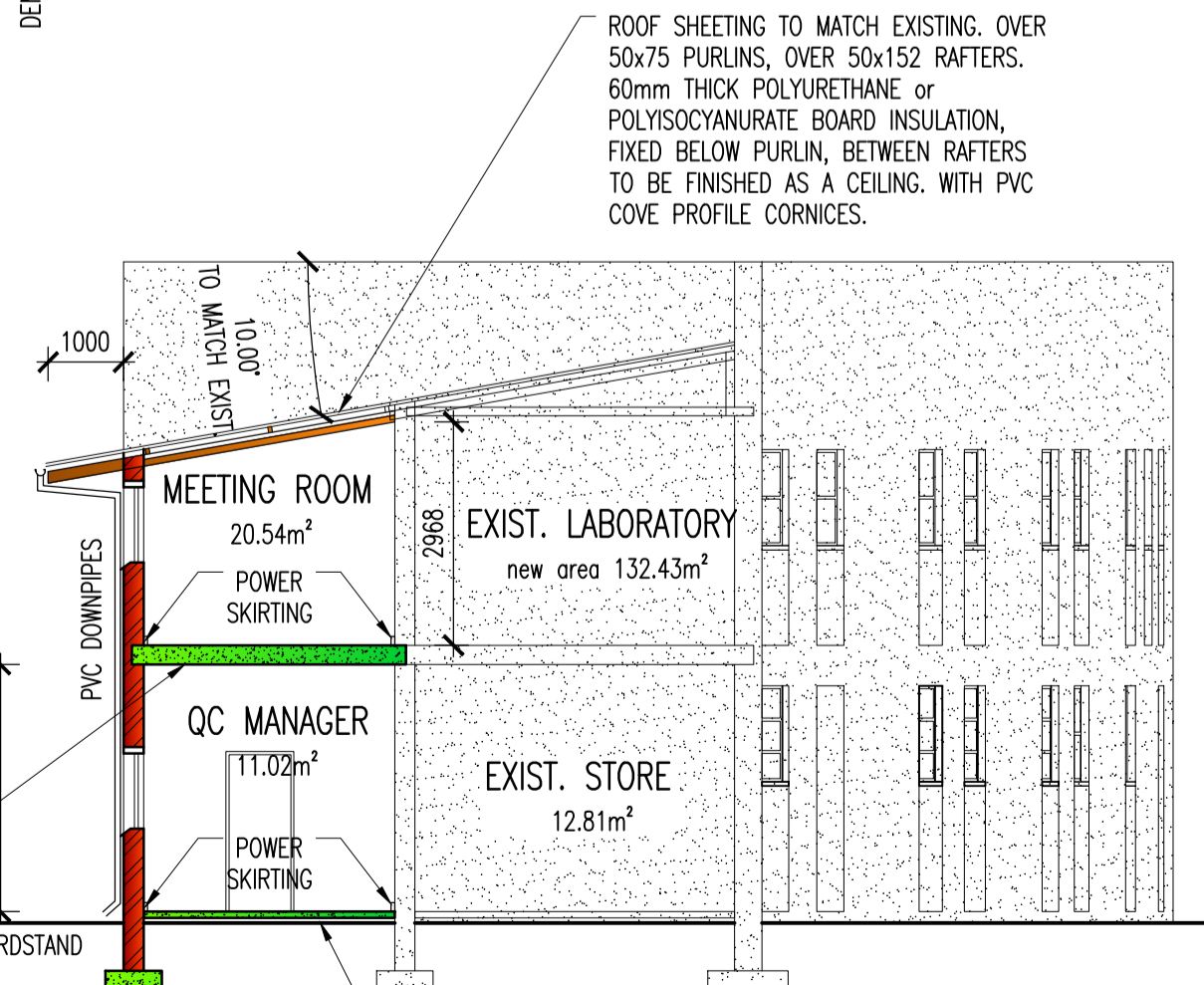
ROOM	AREA	FENESTRATION	# OFF	AREA	TOTAL AREA
EXISTING WORKSHOP CONVERT TO PASCA LAB	21.890m ²	D01	1	3.570m ²	3.57m ²
WET LABORATORY	9.760m ²	W01	1	0.390m ²	0.39m ²
EXIST. STORE CONVERT TO AFFLUENT LAB	8.790m ²	W02	1	2.882m ²	2.88m ²
EXIST. QC LABORATORY	50.970m ²	W03	1	1.320m ²	1.32m ²
QC OFFICE	18.190m ²	W04	5	0.960m ²	4.80m ²
QC MANAGER	11.020m ²	WE1	2	0.800m ²	1.60m ²
STORE CONVERT TO GC ROOM	12.810m ²	WE02	2	0.960m ²	1.92m ²
STORE	10.750m ²				
TOTAL	144.180m ²				16.482m ²
NET FLOOR AREA TO FENESTRATION AREA %					11.43%
5.66% IS <20% AND THEREFORE ANY SOLUTION FOR U-VALUE & SHGC (WITH OR WITHOUT SHADING FOR ALL ORIENTATIONS IS APPLICABLE IN TERMS OF SANS 10400-XA 5.3 (2021 EDITION 2)					
EXISTING LABORATORY WITH ADDITIONS	133.670m ²	W03	2	1.320m ²	2.64m ²
EXIST. OFFICE	18.870m ²	WE3	16	0.720m ²	11.52m ²
MEETING ROOM	13.370m ²	WE4	2	2.040m ²	4.08m ²
KITCHENETTE	6.890m ²	D02	1	1.890m ²	1.89m ²
ABLUTIONS	8.920m ²				
TOTAL	181.72				20.130m ²
NET FLOOR AREA TO FENESTRATION AREA %					11.08%
10.78% IS <20% AND THEREFORE ANY SOLUTION FOR U-VALUE & SHGC (WITH OR WITHOUT SHADING FOR ALL ORIENTATIONS IS APPLICABLE IN TERMS OF SANS 10400-XA 5.3 (2021 EDITION 2)					
THE CLAY BRICK WALL WOULD HAVE A CAVITY. PROVIDING A R-VALUE OF > 0.6 m ² .KW AND IS THEREFORE COMPLIANT. RE: TABLE 6 OF SANS 10400-XA					
60mm THICK POLYURETHANE or POLYISOCYANURATE BOARD INSULATION, FIXED BELOW PURLIN, BETWEEN RAFTERS TO BE FINISHED AS A CEILING. THE TOTAL R-VALUE WOULD BE GREATER THAN THE 2.7m ² .K/W REQUIREMENT AND COMPLIANT WITH TABLE 8 OF SANS 10400-XA.					
NO HOT WATER PROVISION IS MADE FOR IN THIS APPLICATION. THIS REQUIREMENT IS THEREFORE NOT APPLICABLE.					



STOREY 1 FLOOR PLAN (1:100)



STOREY 2 FLOOR PLAN (1:100)



SECTION A-A (1:100)

A3	NEW GROUND FLOOR WINDOWS ADDED	VB	CvB	22/11/2022
A2	FINISHES ADDED	VB	CvB	15/11/2022
A1	ISSUED FOR MUNICIPAL APPLICATION	VB	CvB	25/10/2022
REV	DESCRIPTION	DR.	APP.	DATE

INITIALS	SIGN	DATE
DESIGNED	VB	-
DRAWN	VB	-
PROJECT ENG.	AK	-
APPROVED	CvB	-

OWNER SIGN: _____ DATE: _____
OWNER NAME: Mr. S BUDEN SINGH FOR AECI Speciality Chemicals
OWNER TEL: 031 4618680

AUTHOR SIGN: _____
AUTHOR NAME: V. BOODU
SACAP #: T0050
AUTHOR TEL: 0833895923



CLIENT: _____
PROJECT DESCRIPTION & ADDRESS: ADDITIONS & ALTERATION TO LABORATORY BUILDING AT 323 CHAMBERLAIN ROAD. ERF 217 WENTWORTH

DWG TITLE: BUILDING DETAILS

SCALE:	1:100	REV:	A3
DRAWING NO.	20545-AR02		