

ROOF DRAINAGE CALCULATIONS TO BS EN 12056-3:2000

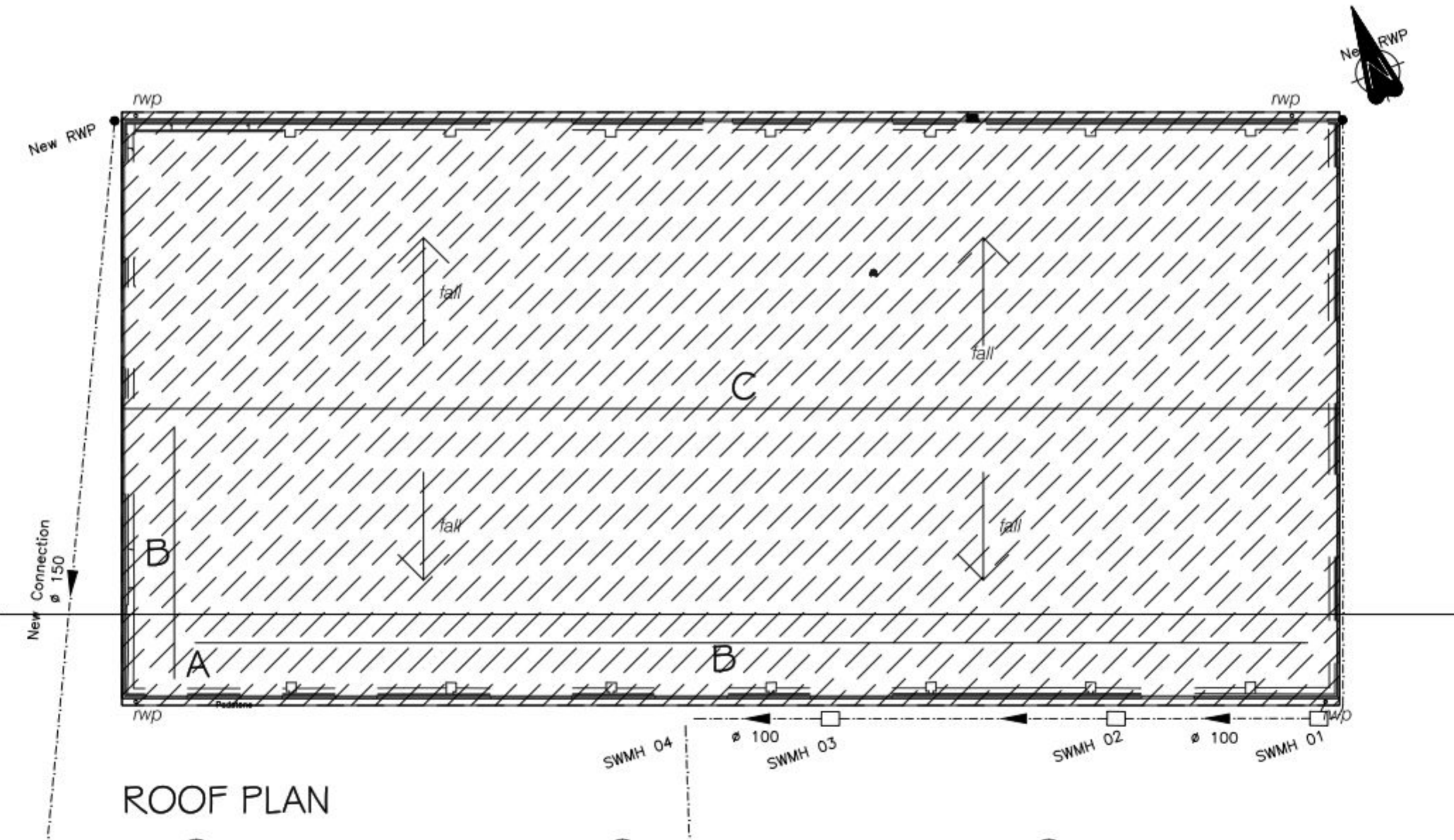
FOR PORTSMOUTH (NEAREST UK TOWN)
RAINFALL INTENSITY = 0.018 L/S PER M2 (RETURN PERIOD 1 YEAR)

RWP SIZE Ø : 150MM
GUTTER TYPE : EAVES
GUTTER DEPTH : 200MM
MAX DISTANCE BETWEEN OUTLETS : 20M
THUS CATCHMENT AREA (STRAIGHT OUTLET TYPE) : 809M2

PROPOSED ROOF PITCH : 6.55°
THUS PITCH FACTOR : 0.96

ALLOWABLE AREA DRAINED = CATCHMENT AREA X PITCH FACTOR
= 809M2 X 0.96 = 776.64SQM

ACTUAL AREA DRAINED = SLOPE X DISTANCE BETWEEN OUTLETS
= 10.91 X 20 = 218SQM



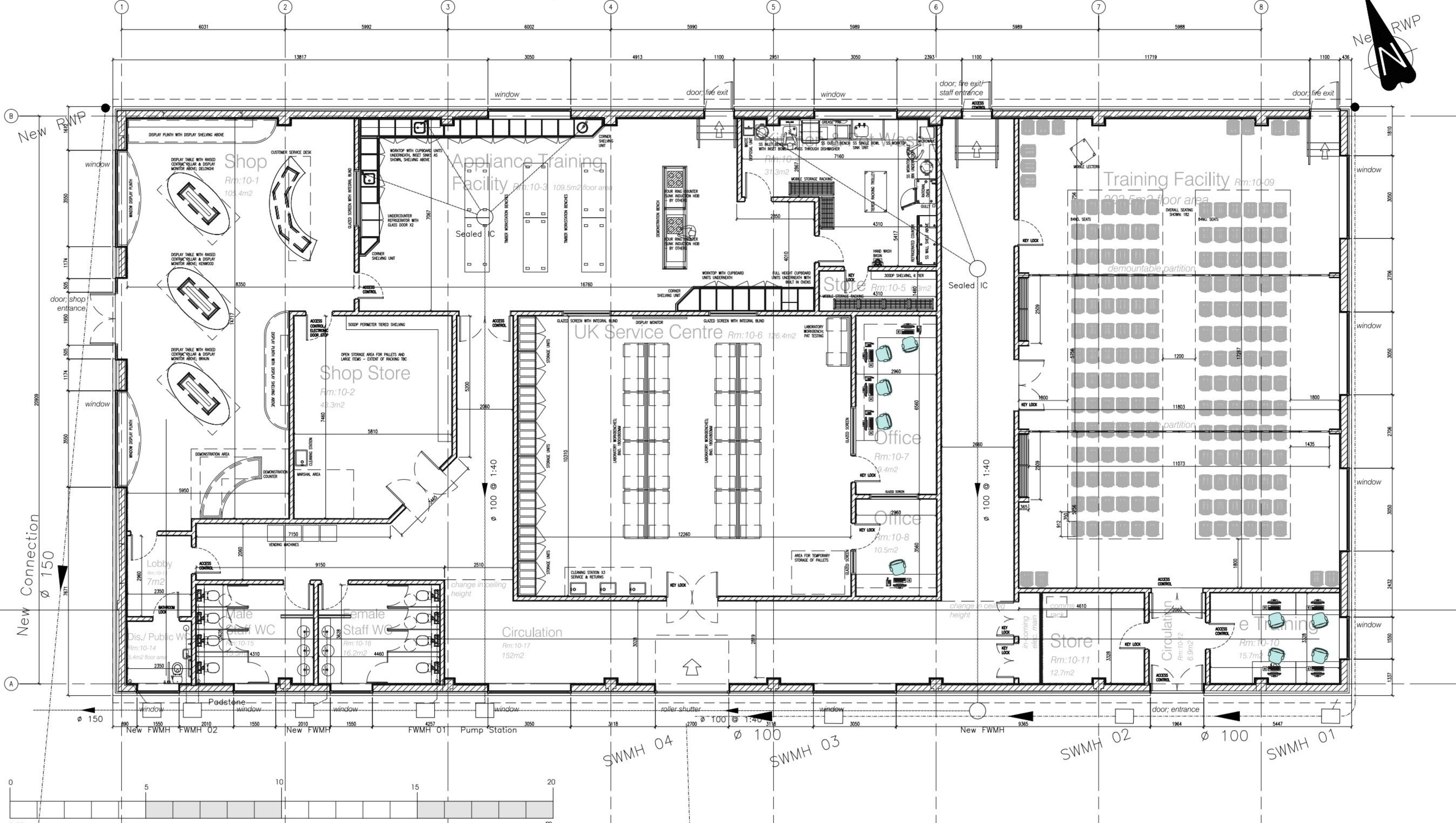
FALL ARREST SYSTEM

KINGSPAN SAFEPRO 2 ROOF ANCHORS AT POINT OF ROOF ACCESS TO RIDGE >>

KINGSPAN SAFETRAXX CONTINUOUS ALUMINIUM RAIL SYSTEM ACCESSING MID ROOF <<

KINGSPAN SAFERIDGE CONTINUOUS ALUMINIUM RAIL SYSTEM FITTED TO ROOF APEX>>

NOTE : FINAL LAYOUT TO BE IN FULL COMPLIANCE OF MANUFACTURER'S INSTRUCTIONS AND DESIGN GUIDE.



Rev PL1 - 03 Mar 15
Issued for planning approval.

by ML checked SJT

PLANNING

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client	Kenwood Limited
project	Kenwood Expansion Phase 8
title	PHASE 1 : Unit 10 Proposed Ground Floor Layout & Roof Plan
date	Nov '14
scale/paper size	1:75 @ A1
drawn	SJT
checked	SJT
job no.	34179
dwg no.	101
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file 34179 Planning Set Rev PL1 Unit 10