

ROOF DRAINAGE CALCULATIONS TO BS EN 12056-3:2000

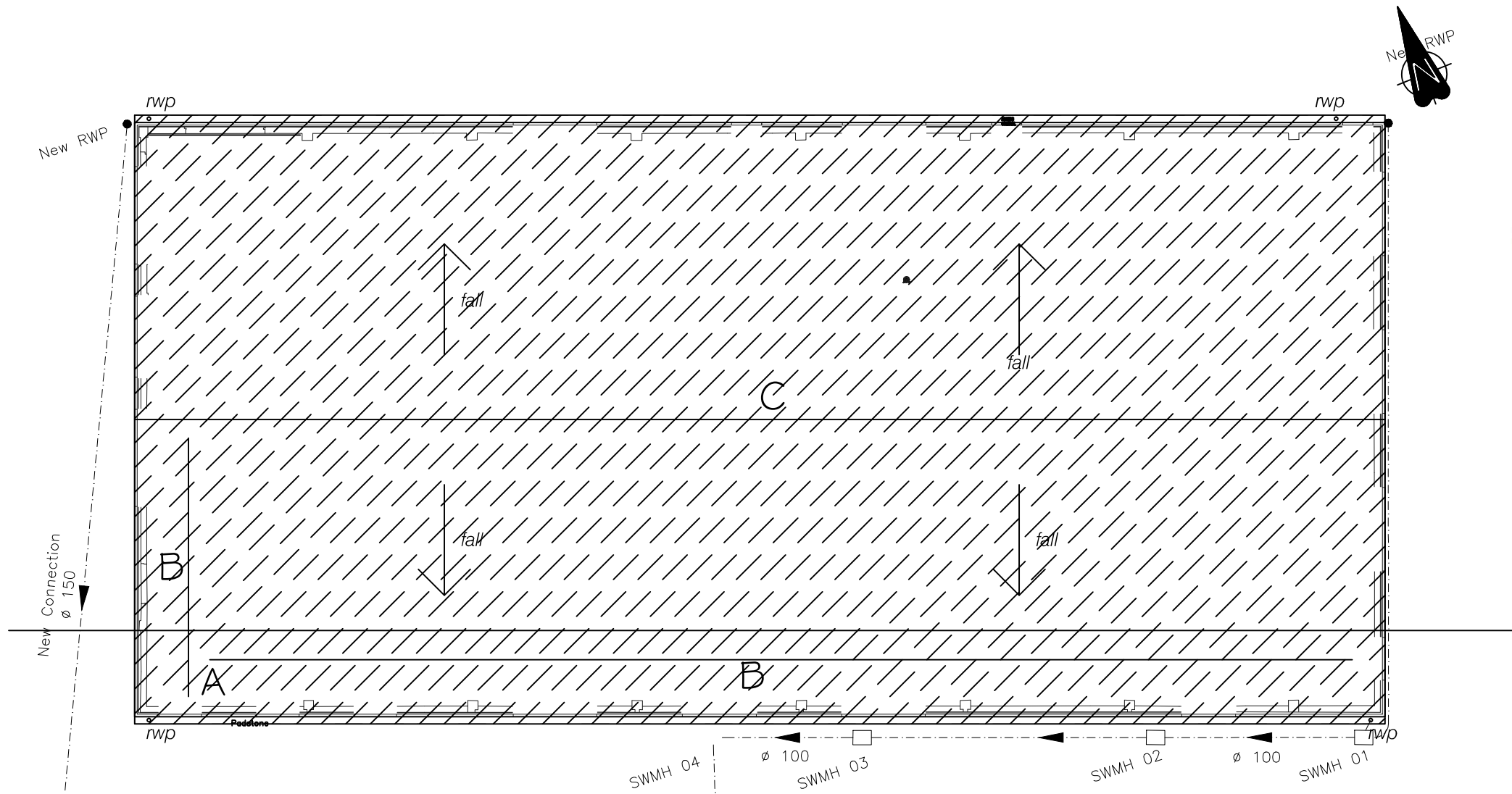
FOR PORTSMOUTH (NEAREST UK TOWN)  
RAINFALL INTENSITY = 0.01 & 1/5 PER M2 (RETURN PERIOD 1 YEAR)

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 = 776.645QM

ACTUAL AREA DRAINED = SLOPE X DISTANCE BETWEEN OUTLETS  
= 10.91 X 20 = 218.5QM



ROOF PLAN

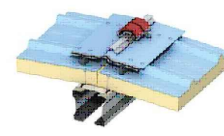


FALL ARREST SYSTEM

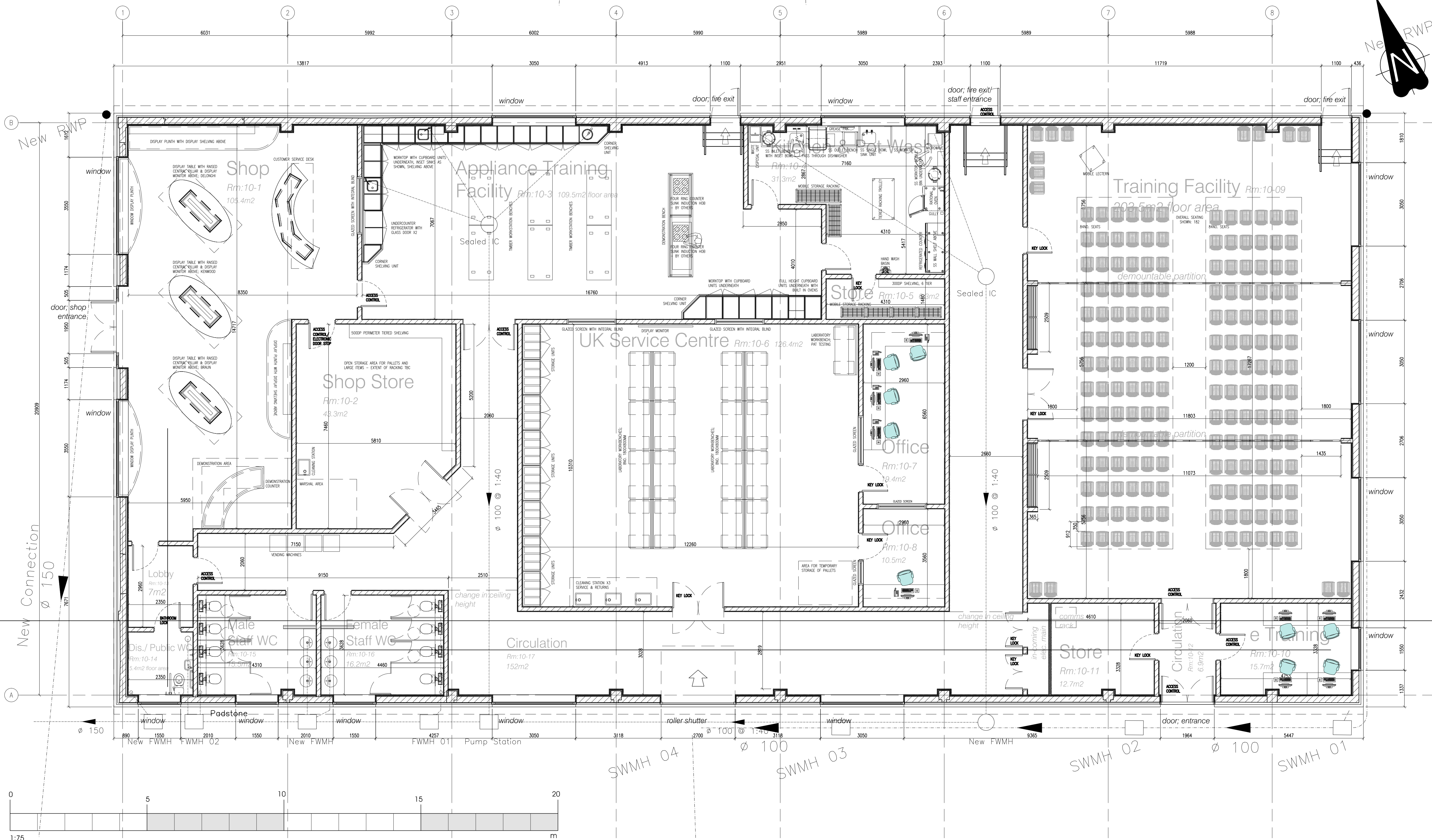
KINGSPAN SAFEPRO 2 ROOF ANCHORS AT POINT OF ROOF ACCESS TO RIDGE >>

KINGSPAN SAFETRAXX CONTINUOUS ALUMINIUM RAIL SYSTEM ACCESSING MID ROOF <<

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



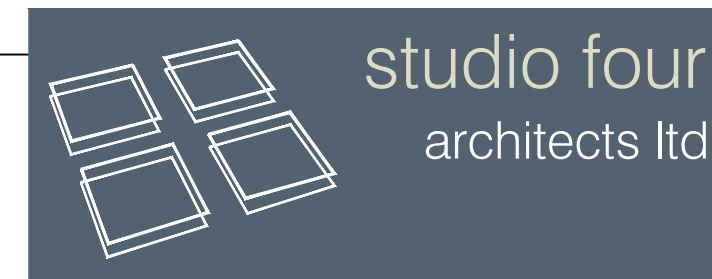
NOTE : FINAL LAYOUT TO BE IN FULL COMPLIANCE OF  
MANUFACTURER'S INSTRUCTIONS AND DESIGN GUIDE.



Rev PL1 - 03 Mar 15  
Issued for planning approval.

by ML checked SJT

**PLANNING**



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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 rev. no. PL1

file 34179 Planning Set RevPL1 Unit 10