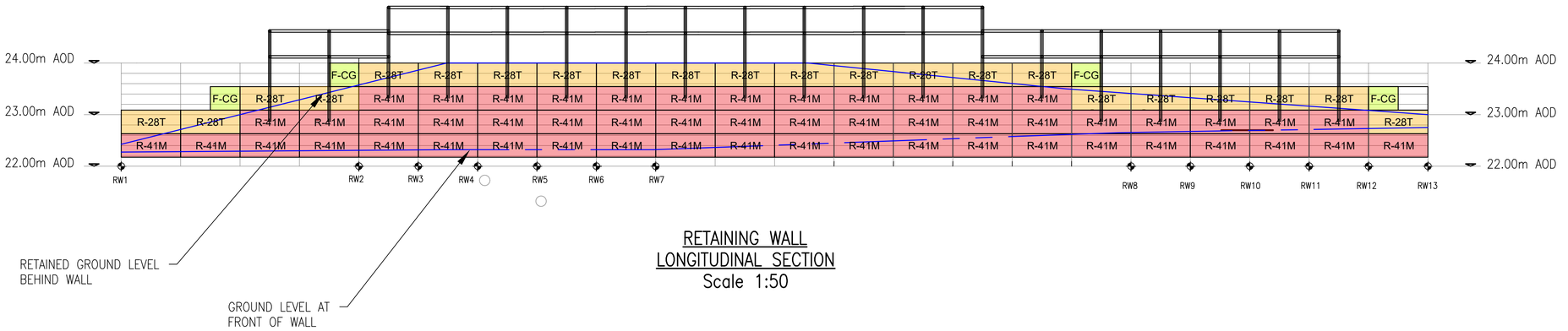
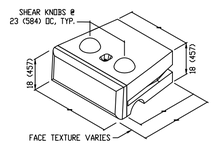


RETAINING WALL LONGITUDINAL SECTION
Scale 1:50

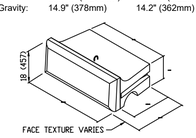
R-41M 41" (1030mm) MIDDLE

	Cobble / Limestone	Kingstone / Ledgestone
Face Texture:		
Block Weight:	2310 lb (1050 kg)	2240 lb (1020 kg)



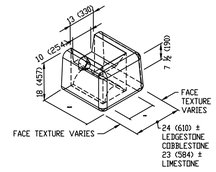
R-28T 28" (710mm) TOP

	Cobble / Limestone	Kingstone / Ledgestone
Face Texture:		
Block Weight:	1230 lb (557 kg)	1160 lb (530 kg)
Block Volume:	8.57 ft³ (0.243 m³)	8.07 ft³ (0.229 m³)
Center of Gravity:	14.9" (378mm)	14.2" (362mm)



F-HCG HALF CORNER GARDEN TOP

	Cobble / Limestone	Kingstone / Ledgestone
Face Texture:		
Block Weight:	530 lb (240 kg)	530 lb (240 kg)
Block Volume:	3.7 ft³ (0.11m³)	3.7 ft³ (0.10m³)



REDI-ROCK WALL UNIT TYPES
Scale NTS

NOTES

1. ALL LEVELS IN METRES ABOVE ORDNANCE DATUM (m AOD). ALL CO-ORDINATES ARE IN METRES (m).
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
3. THE SAFE GROUND BEARING PRESSURE SHALL NOT BE LESS THAN 75kN/m².
4. SOFT SPOTS AND FOREIGN MATERIALS WITHIN THE GROUND TO BE REMOVED WHERE PRESENT AND REPLACED WITH WELL COMPACTED TYPE 1 TO THE UNDERSIDE OF THE BINDING LAYER.
5. THE DESIGN IS BASED ON REDI-ROCK PROPRIETARY MODULAR WALL UNITS.
6. THE DESIGN SHALL BE IN ACCORDANCE WITH THE RELEVANT EUROCODES INCLUDING BE EN 1990, 1991-1-1, 1993-1-1 AND 1997-1.
7. HANDRAILS ARE TO BE DESIGNED TO ACCOMMODATE A 0.36KN/M LIVE LINE LOAD APPLIED HORIZONTALLY TO THE TOP HANDRAIL IN ACCORDANCE WITH BS EN 1991-1-1, TABLE NA.8 CATEGORY E. POST CENTRES NOT TO EXCEED 2.5M IN LINE WITH MANUFACTURERS GUIDANCE. FIRST RAIL SPACING OF 550MM.
8. THE DESIGN SHALL ACCOMMODATE A 12KPA LIVE SURCHARGE IMMEDIATELY BEHIND THE WALL WHICH REPRESENTS THE MAXIMUM LOAD FROM ANTICIPATED CONSTRUCTION VEHICLES.
9. IMPORTED BACKFILL MATERIAL TO COMPRISE IMPORTED GRANULAR MATERIAL IN ACCORDANCE WITH THE WORKS SPECIFICATION WITH A MAXIMUM BULK DENSITY OF 20KN/M3.
10. THE RETAINING WALL SHALL BE DRAINED USING PROPRIETARY REDI-ROCK WEEP HOLES AS SPECIFIED BY REDI-ROCK.
11. RETAINING WALL COMPONENTS ARE TO ACHIEVE A MINIMUM DESIGN LIFE OF 120 YEARS. HANDRAIL COMPONENTS ARE TO ACHIEVE A MINIMUM DESIGN LIFE OF 40 YEARS.
12. ALL STEEL COMPONENTS TO BE SPECIFIED FOR ATMOSPHERIC CORROSIVITY CATEGORY C3 IN LINE WITH BS EN 12944-2.
13. ALL PRODUCTS ARE TO BE CE / UKCA MARKED.
14. RETAINING WALL SECTIONS ARE BASED ON THE REDI-ROCK PRELIMINARY WALL SECTION DESIGN CALCULATION TOOL. DETAILED DESIGN CALCULATIONS AND CONSTRUCTION DETAILS TO BE COMPLETED BY THE SUPPLIER.
15. DETAILED DESIGN AND CONSTRUCTION DETAILS TO BE PRODUCED BY THE MANUFACTURER. THE MANUFACTURER IS TO SEEK APPROVAL PRIOR TO COMMENCEMENT OF ANY PROCUREMENT OF MATERIALS OR CONSTRUCTION.

INSTALLATION GUIDANCE

1. REFER TO REDI-ROCK MANUFACTURER INSTALLATION GUIDANCE.
2. FOR REDI-ROCK BLOCK DETAILS REFER TO THE REDI-ROCK MANUFACTURER GUIDANCE.

0 1 5

SCALE BAR 1:50 (METRES)

REFERENCE DRAWINGS

REFERENCE DOCUMENTS

Mod.	Date :	Mod.	Date :	Mod. A	Date : 19/01/22
				ISSUED FOR PLANNING DRAWING PRODUCED IN COLOUR PROCESSED AND APPROVED DURING COVID 19 ARRANGEMENTS	

	Drawn	Checked	Lvl.	Approved	Drawn	Checked	Lvl.	Approved	Drawn	Checked	Lvl.	Approved
Name											2	
Signature	.....				.....		....		.....		....	

Security Class

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Project No.	N/A
Building No.	N/A
Site/Location	SELLAFIELD
Department	CS&A
Discipline/Type	C03
Designer	ISA
Scale	VARIES
Contract No.	N/A
Drawing/CM Category	SUPPORT

Sellafield Ltd
Hinton House, Birchwood Park Avenue
Risley, Warrington
WA3 6GR

System No.	N/A	Clients Drg. No.	N/A
Plant Area	N/A	Clients Proj. No.	N/A
Plant Title	N/A		
Plant Item No.	N/A		

PLANNING DRAWING
RETAINING WALL LONGSECTION

Drg. No. 1 BE 3101233 Mod. A

Security Class

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