



**QUARRY BANK MILL,
STYAL,
CHESHIRE**

Survey Report

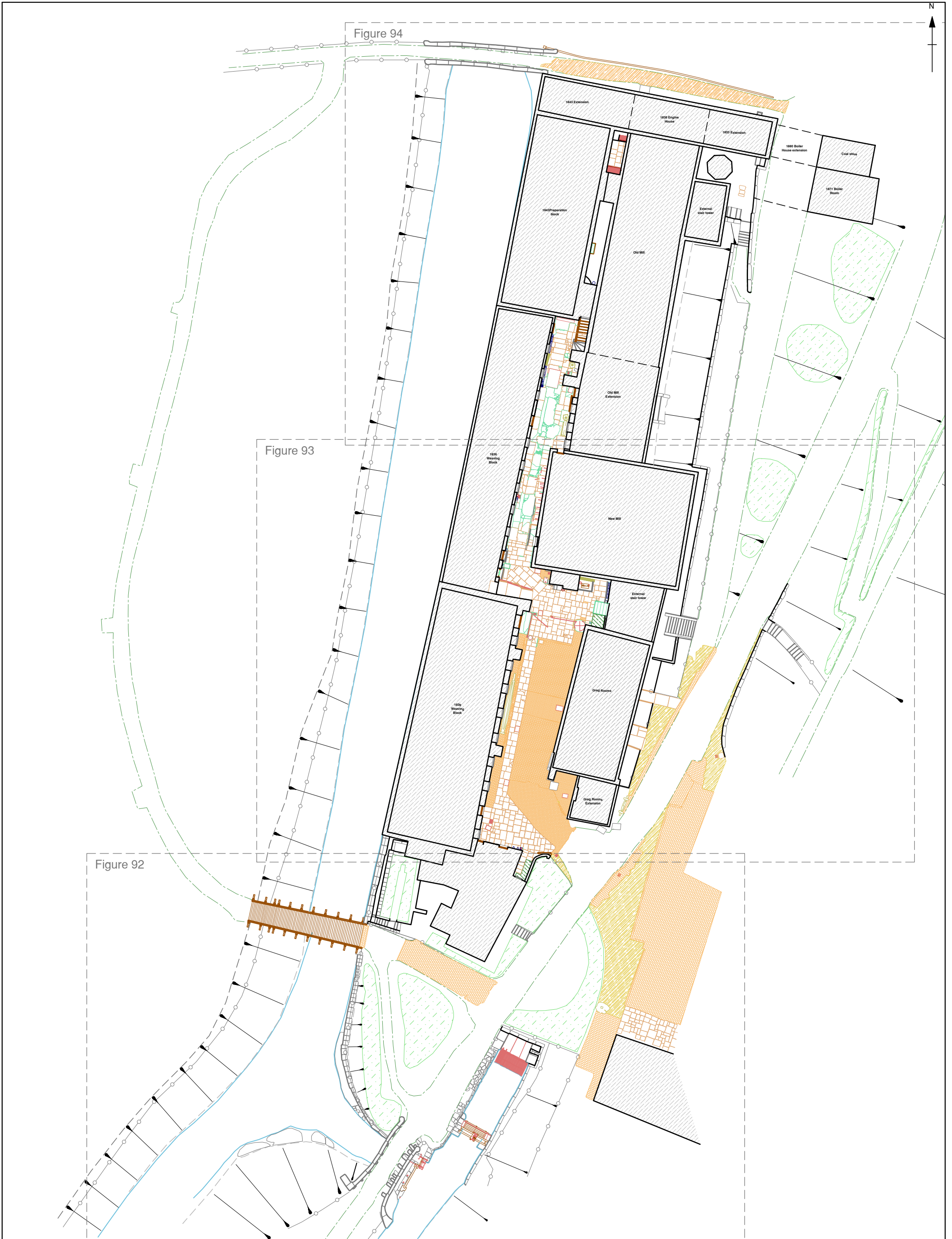
**Volume 3 -
Survey Figures**

Oxford Archaeology North

September 2014

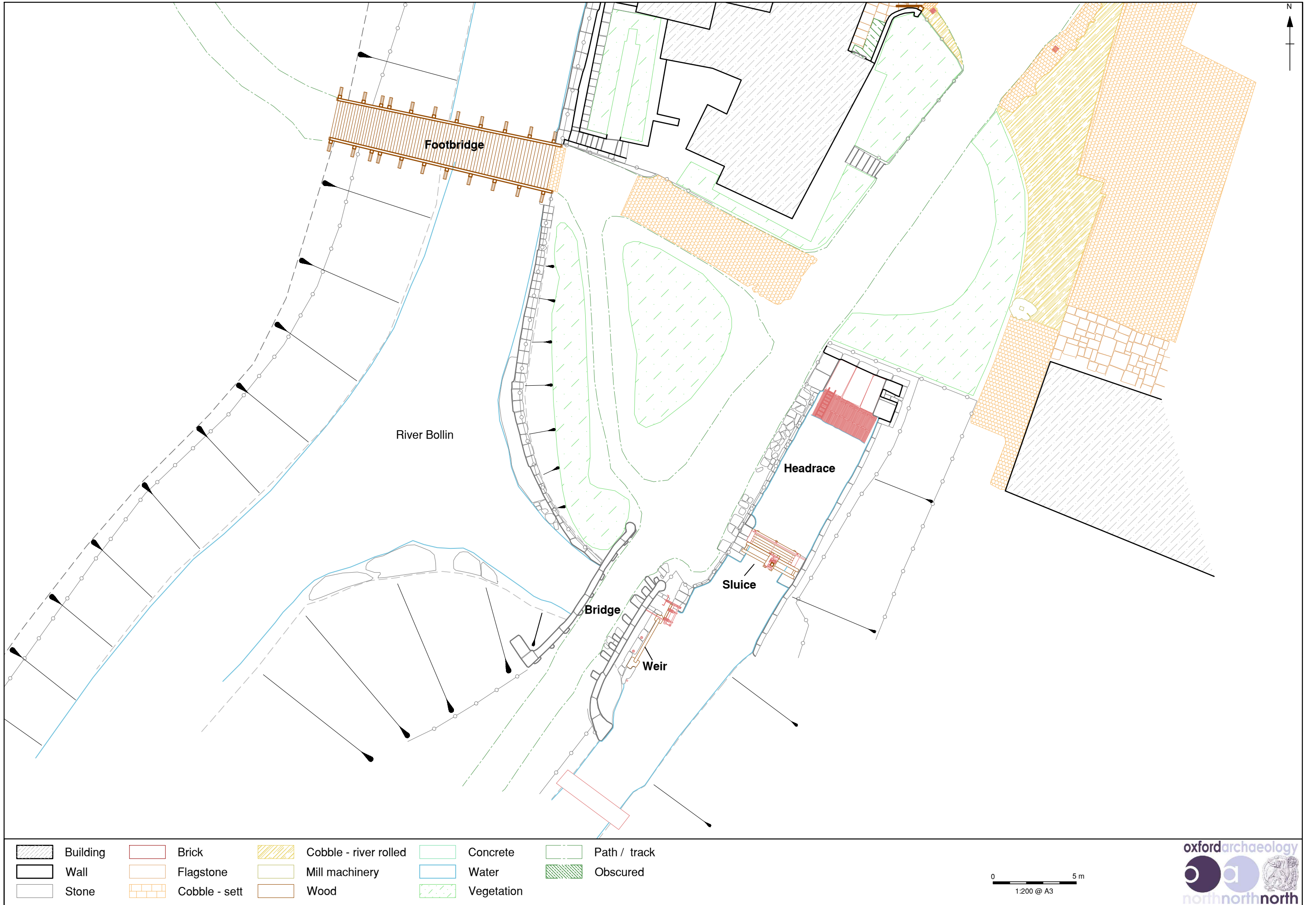
NATIONAL TRUST

**Issue No: 2013-14/1452
OA North Job No: L10603
NGR: SJ 836 829**



0 10 m
1:400 @ A3

Figure 91: Topographic survey, showing location of detailed plans



JQ*L10603*AMS*180813

Figure 92: Topographic survey (South)

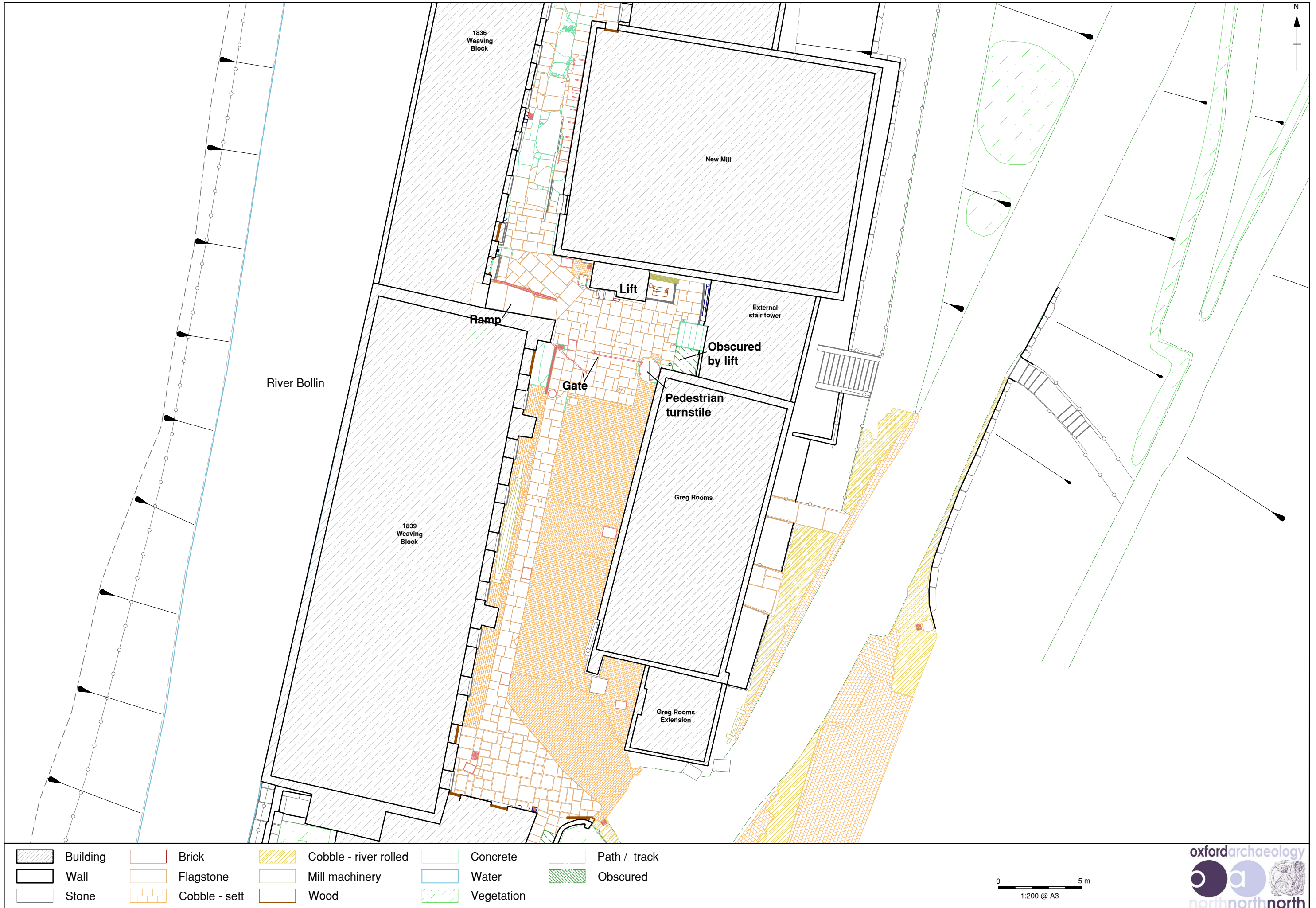


Figure 93: Topographic survey (central)

JQ*L10603*AMS*180813



JQ*L10603*AMS*180813

Figure 94: Topographic survey (north)



- | | | | |
|--------|------------------|---------------------|---------------|
| Wall | Beam/ roof truss | Column | obscured |
| Door | Rafter | Iron bracket / nail | Fire proofing |
| Window | Machinery | Wood | Iron |

0 5 m
1:250 @ A3

Figure 95: Quarry Bank Mill Overall Lower Ground Floor Plan

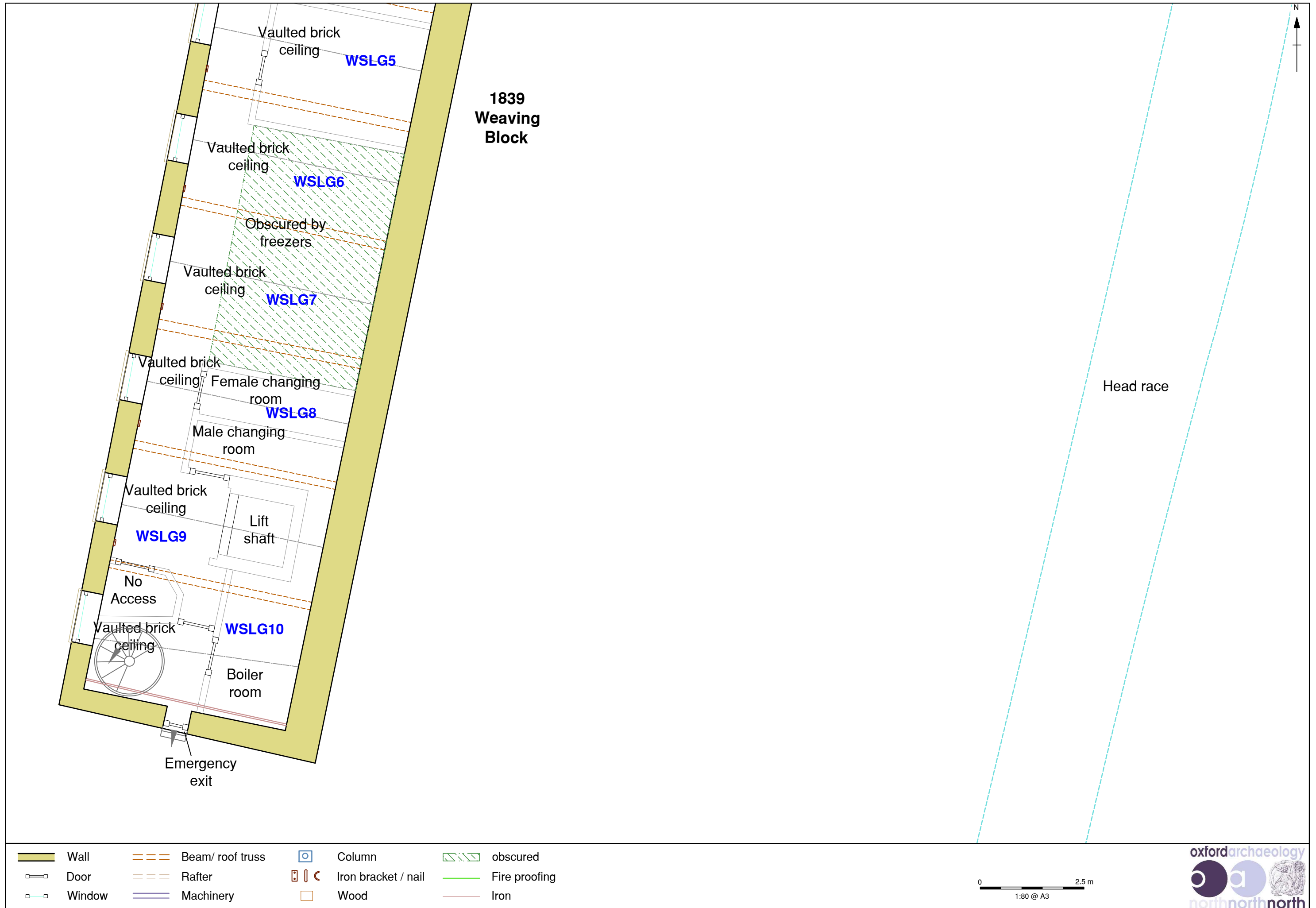


Figure 96: Lower Ground Floor - 1939 Weaving Block (South)

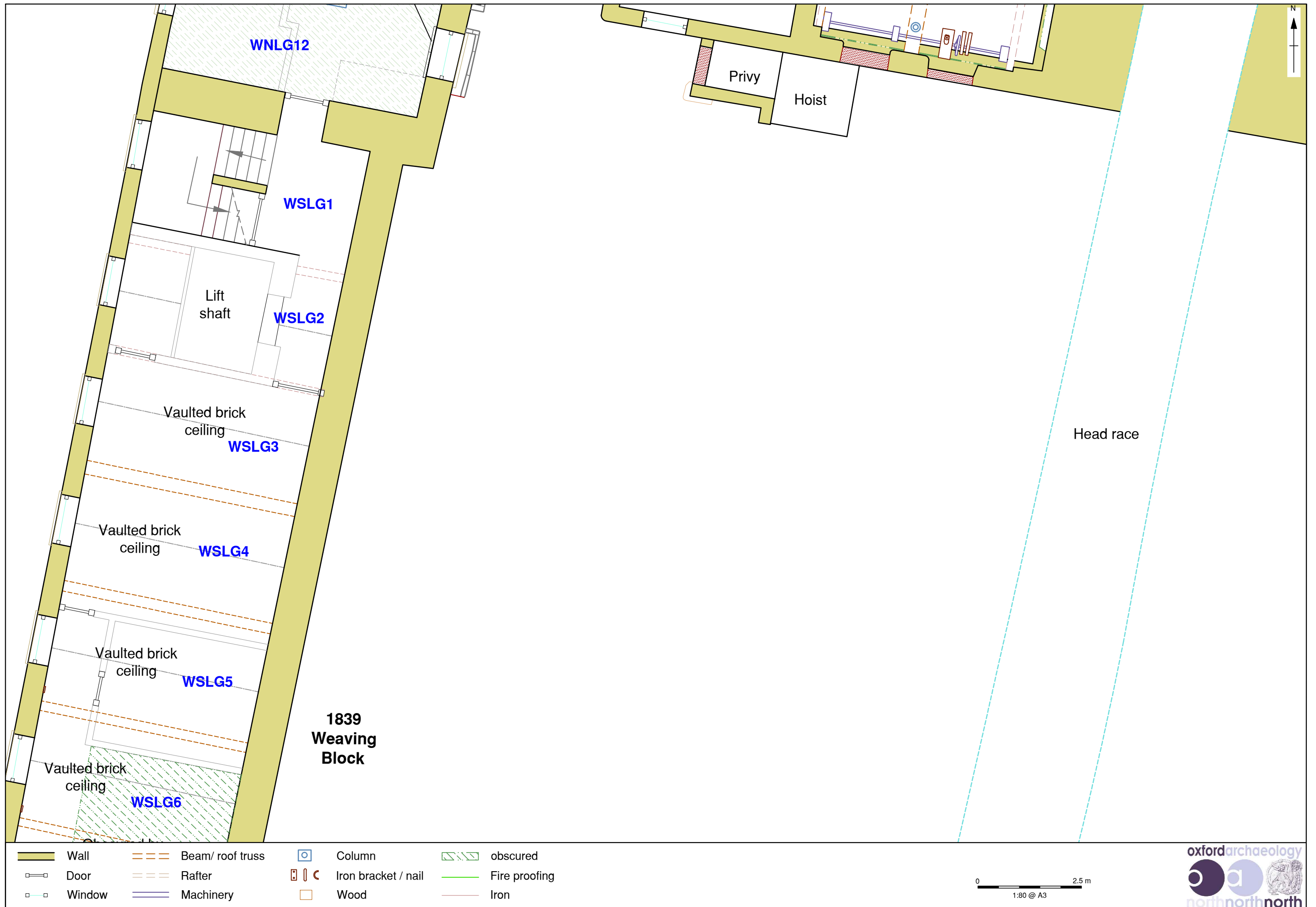


Figure 97: Lower Ground Floor - 1839 Weaving Block (North)-

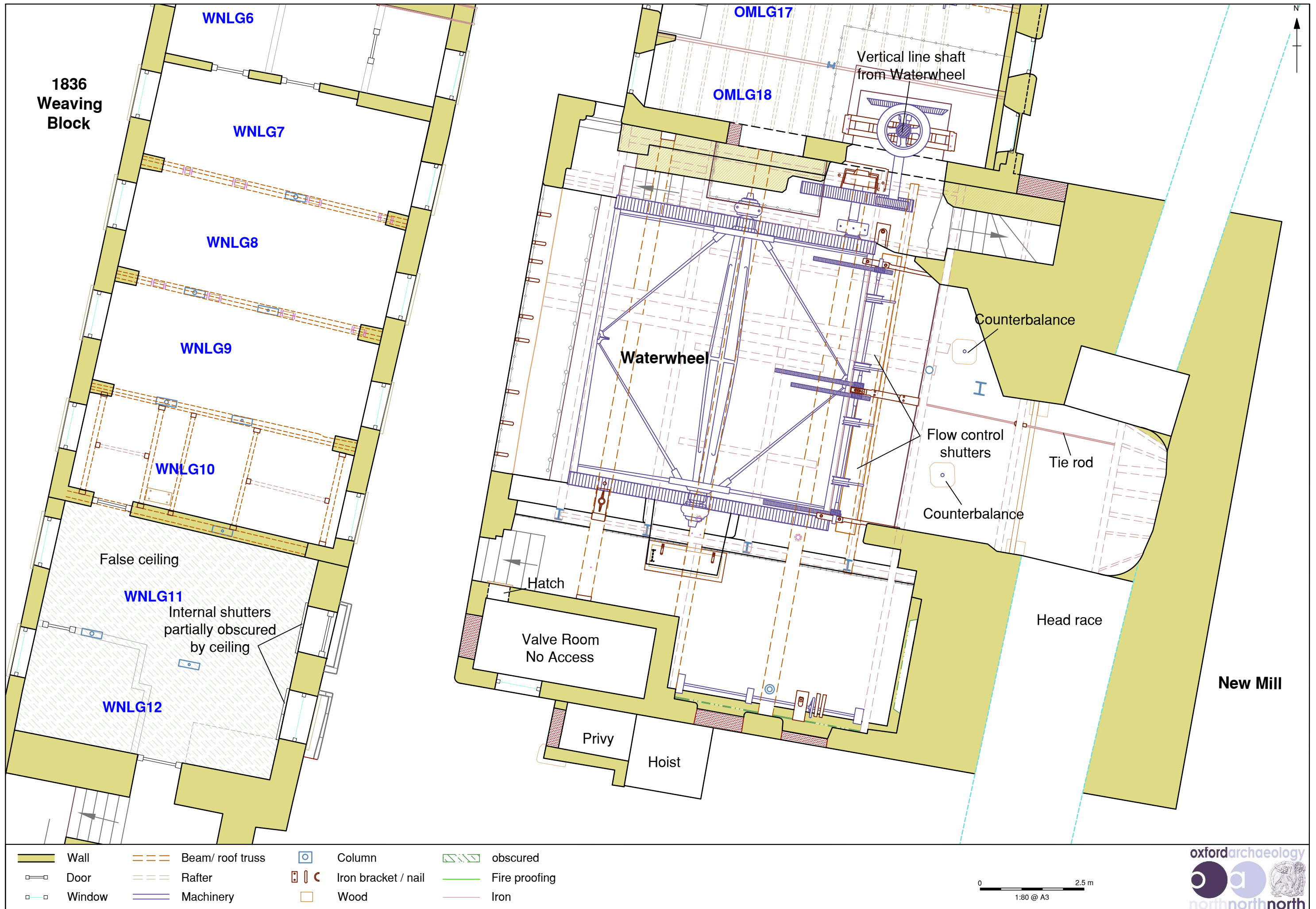


Figure 98: Lower Ground Floor - New Mill

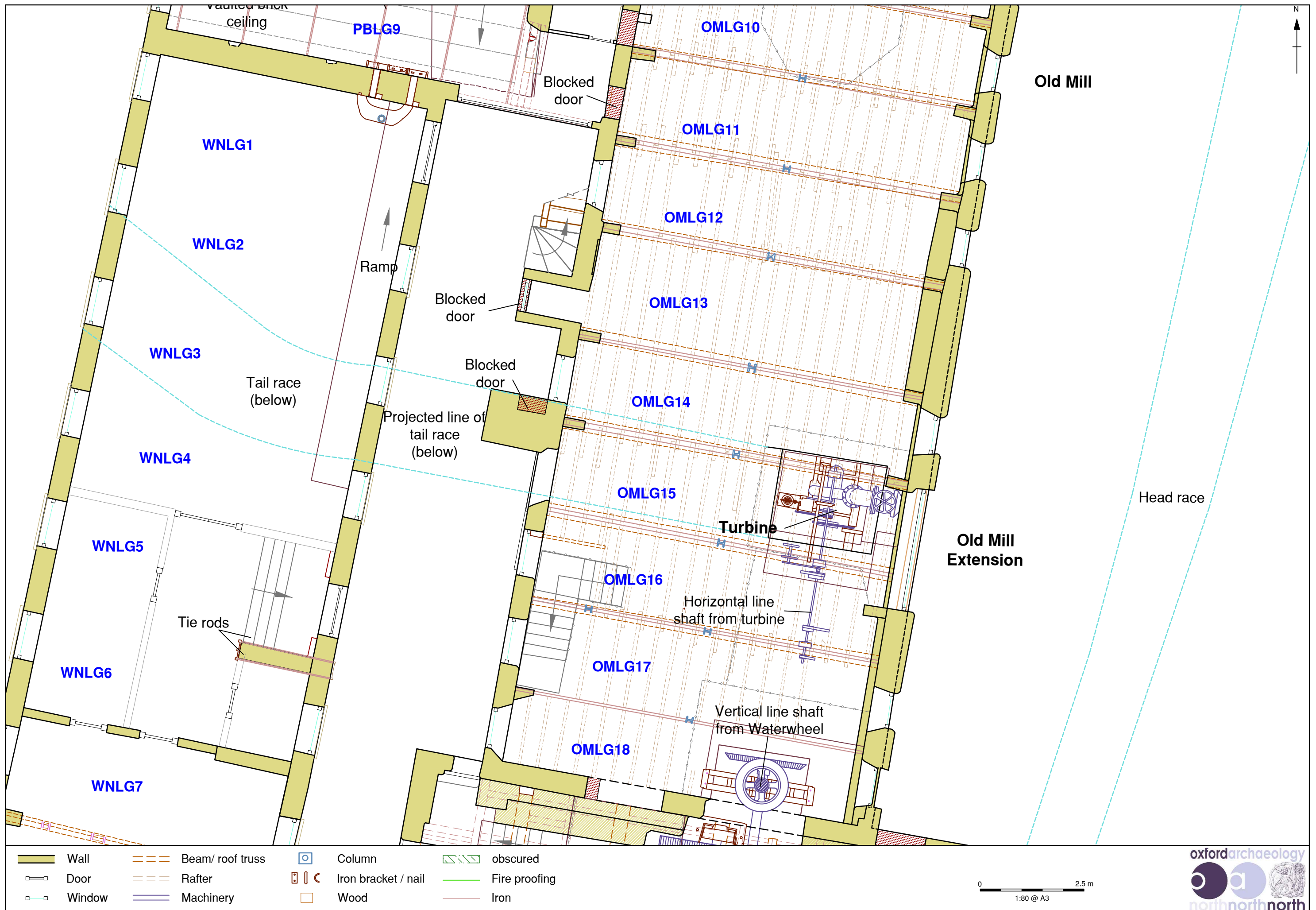


Figure 99: Lower Ground Floor - Old Mill Extension

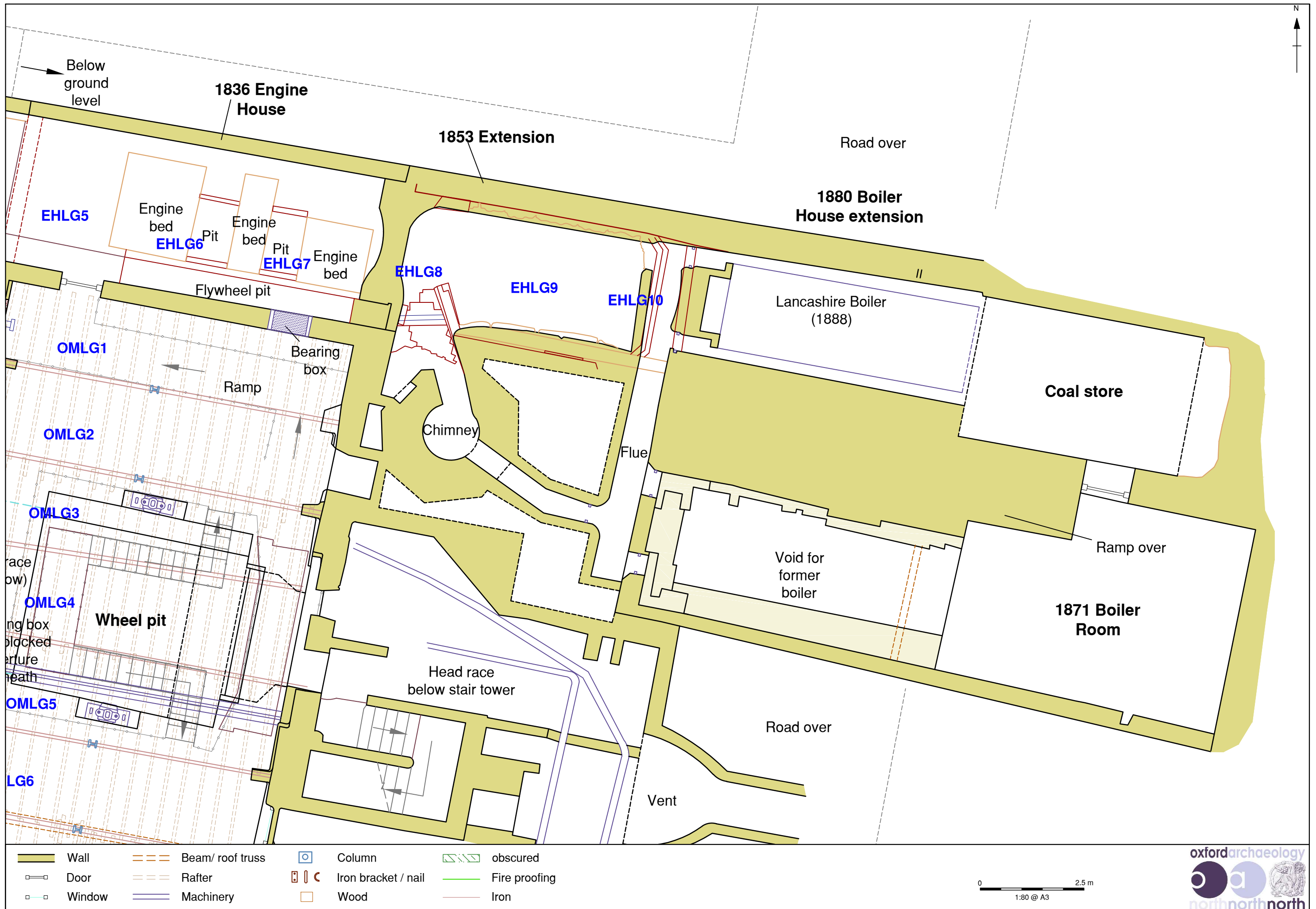


Figure 102: Lower Ground Floor - Engine House



- | | | | |
|--------|------------------|---------------------|---------------|
| Wall | Beam/ roof truss | Column | obscured |
| Door | Rafter | Iron bracket / nail | Fire proofing |
| Window | Machinery | Wood | Iron |

0 5 m
1:250 @ A3



Figure 103: Quarry Bank Mill Overall Ground Floor Plan

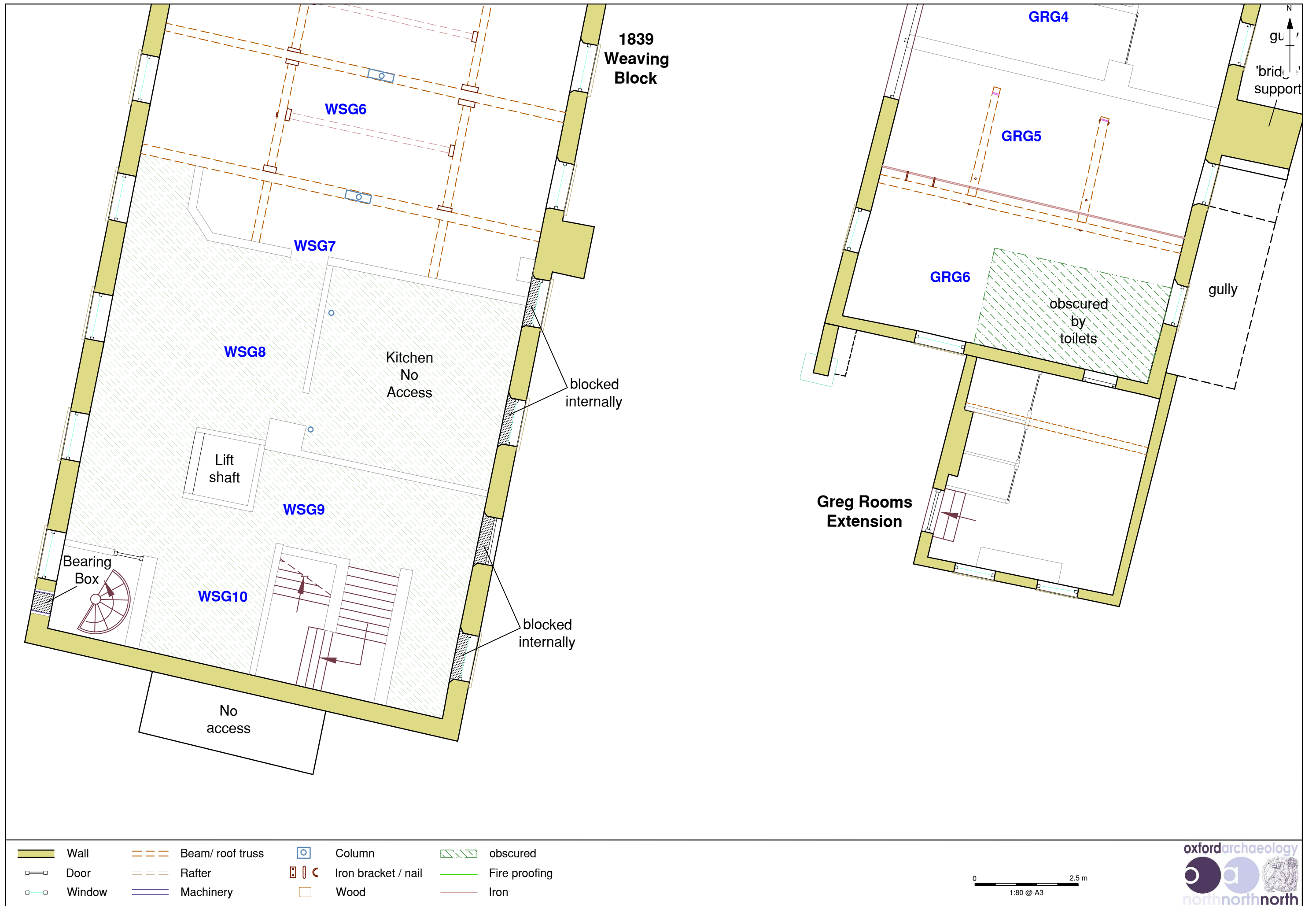


Figure 104: Ground Floor - 1939 Weaving Block and Greg Rooms (South)

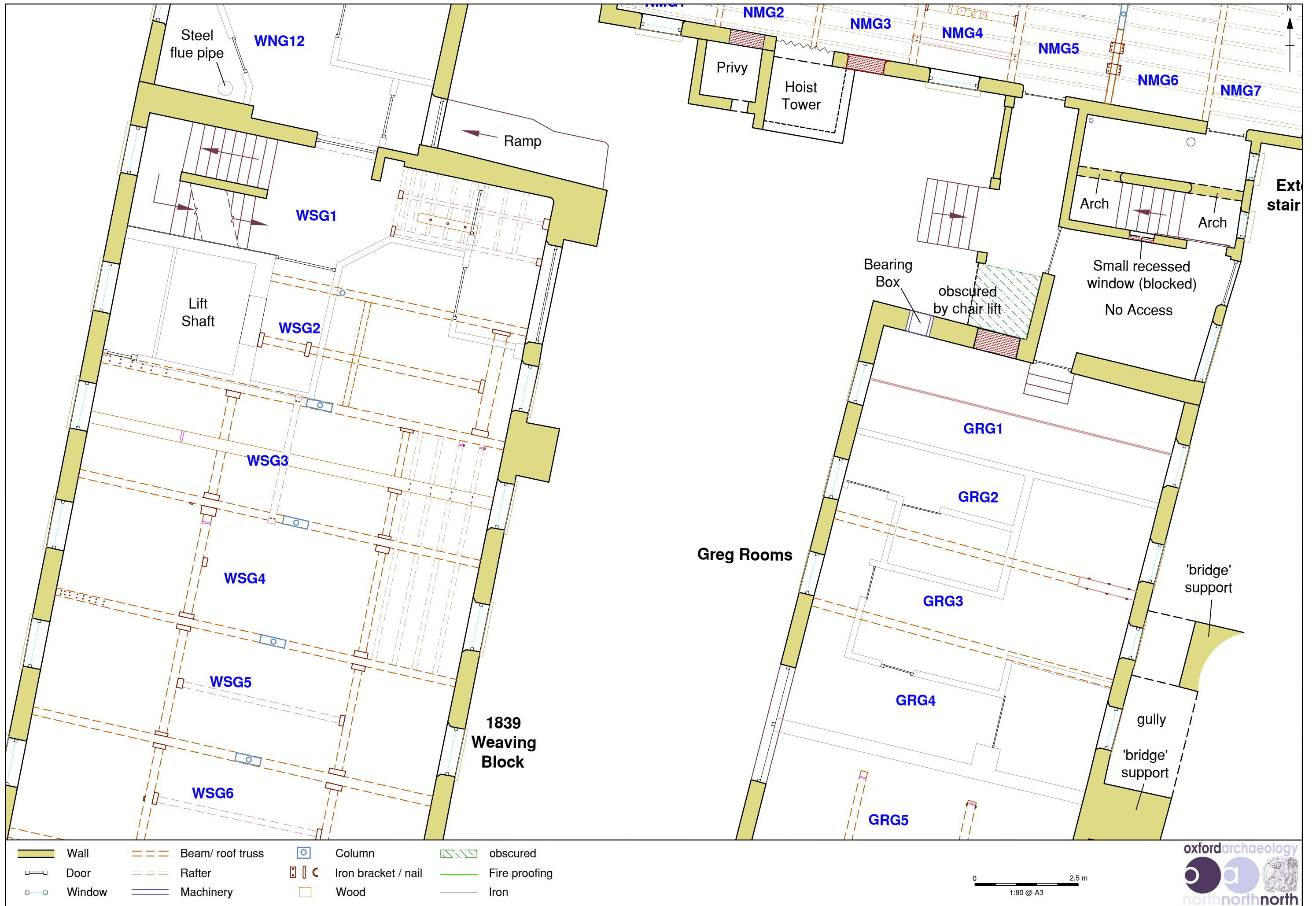


Figure 105: Ground Floor - 1839 Weaving Block and Greg Rooms (North)

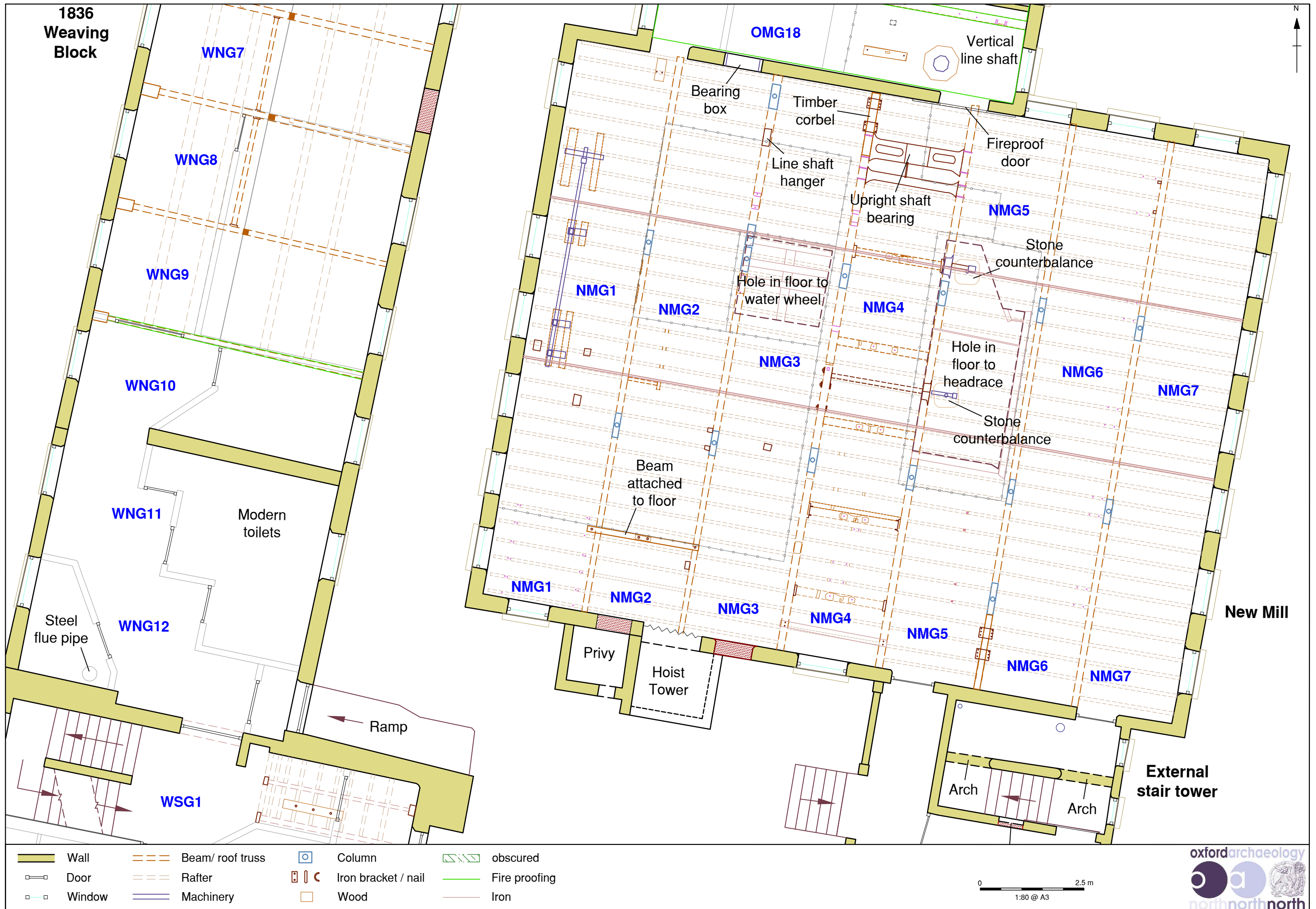


Figure 106: Ground Floor - New Mill

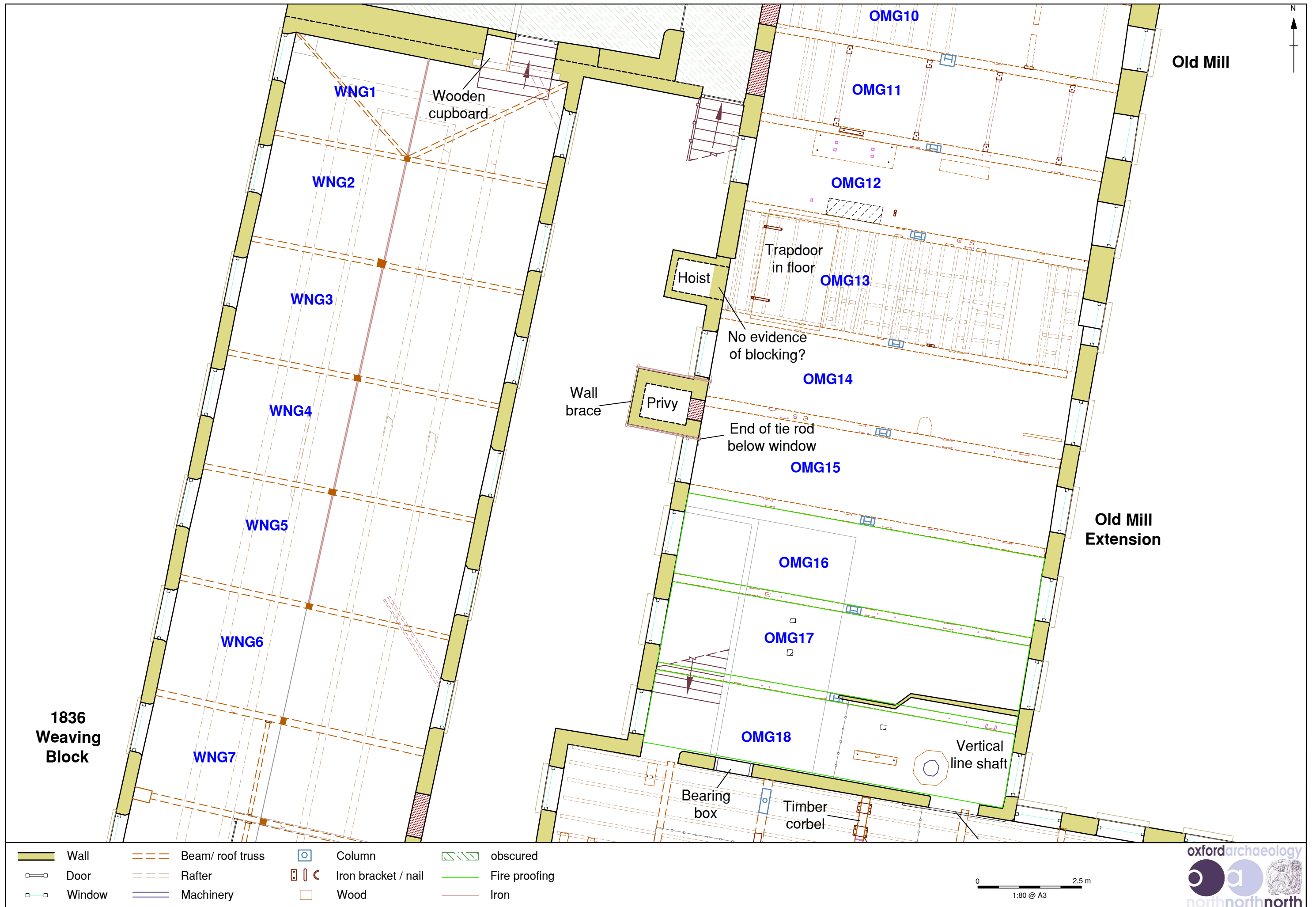


Figure 107: Ground Floor - Old Mill Extension and 1836 Weaving Block

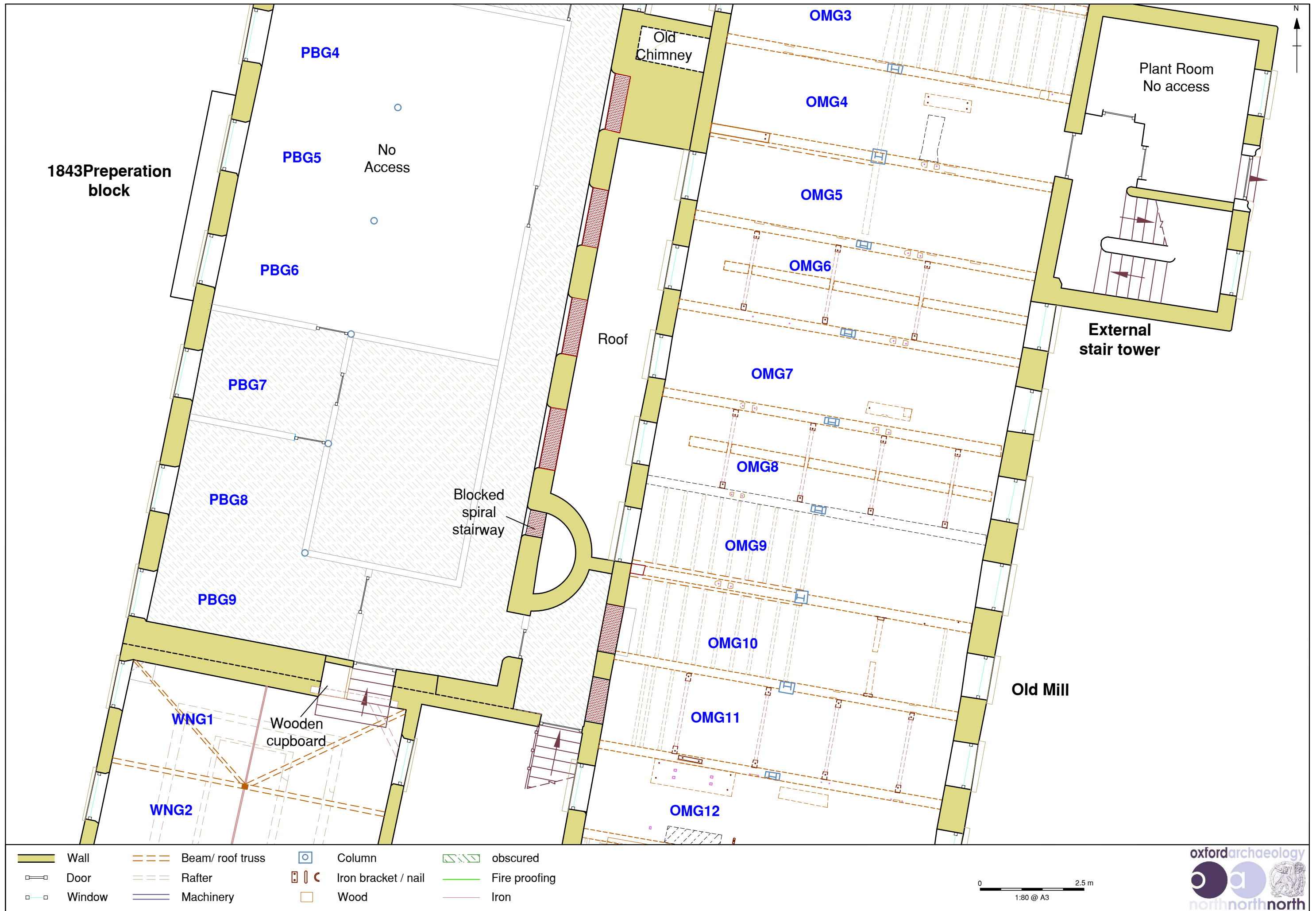


Figure 108: Ground Floor - Old Mill and 1843 Preparation Block

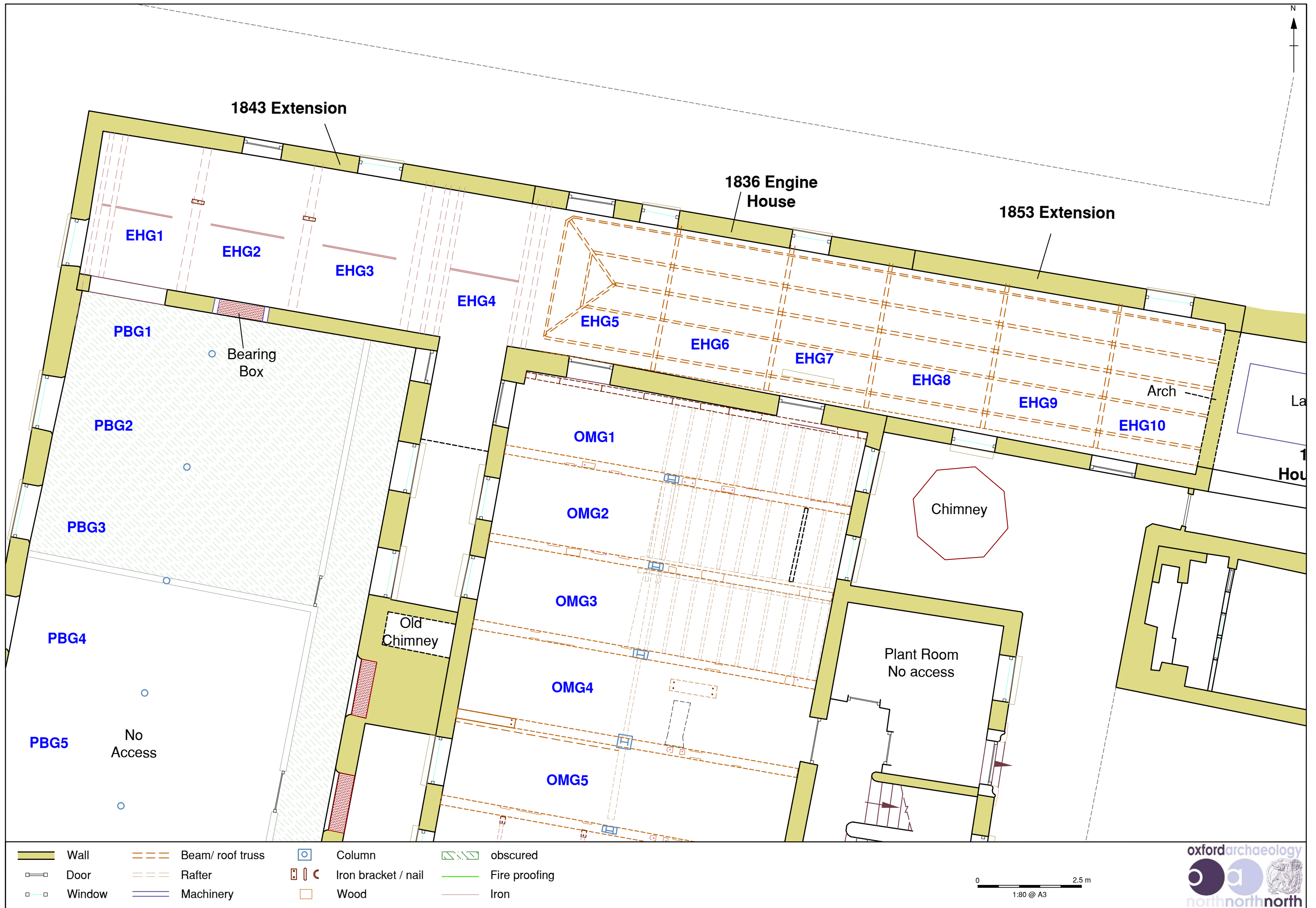


Figure 109: Ground Floor - Old Mill (North) and Engine House

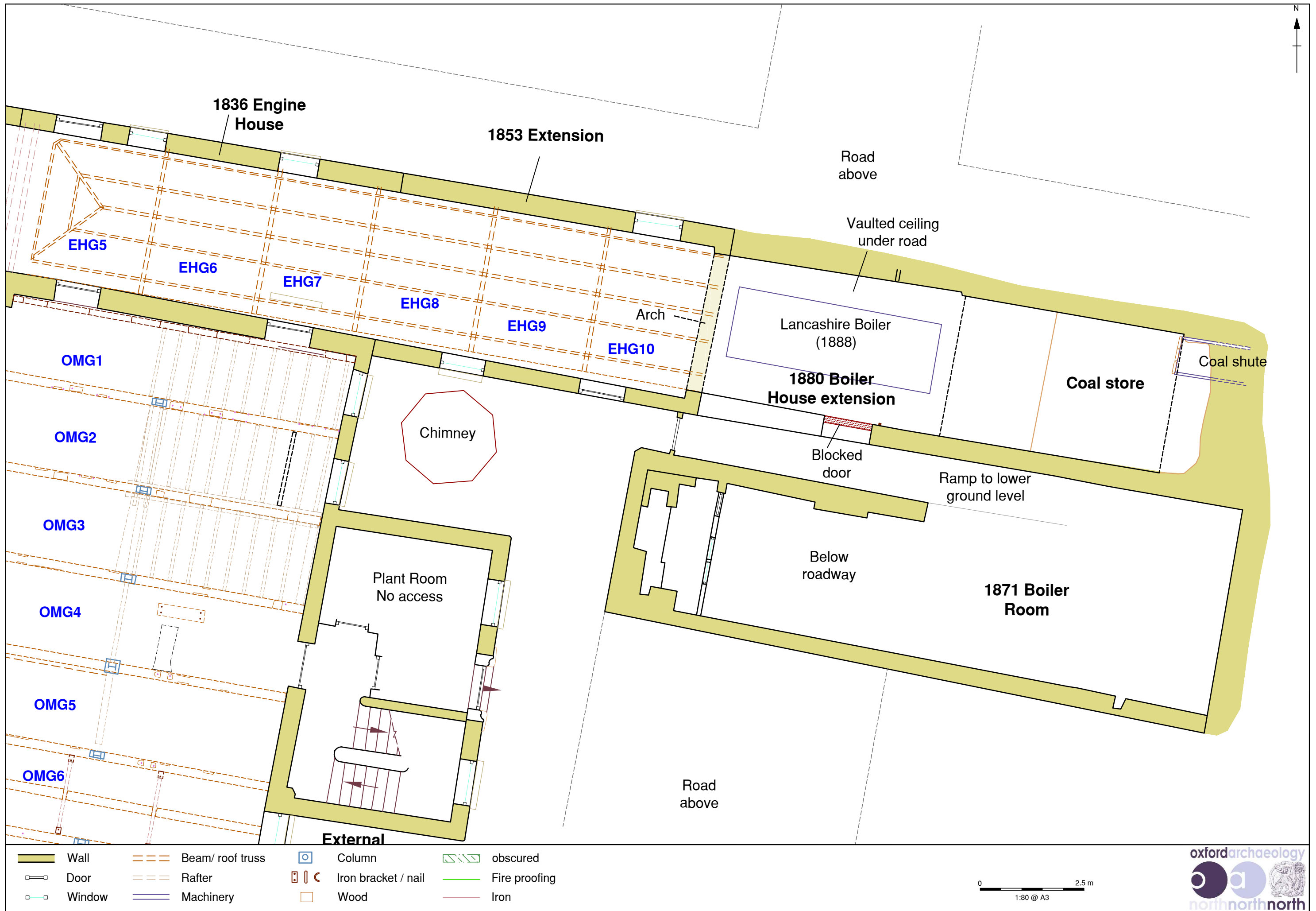


Figure 110: First Floor - Engine and Boiler Houses



Figure 111: Quarry Bank Mill Overall First Floor Plan

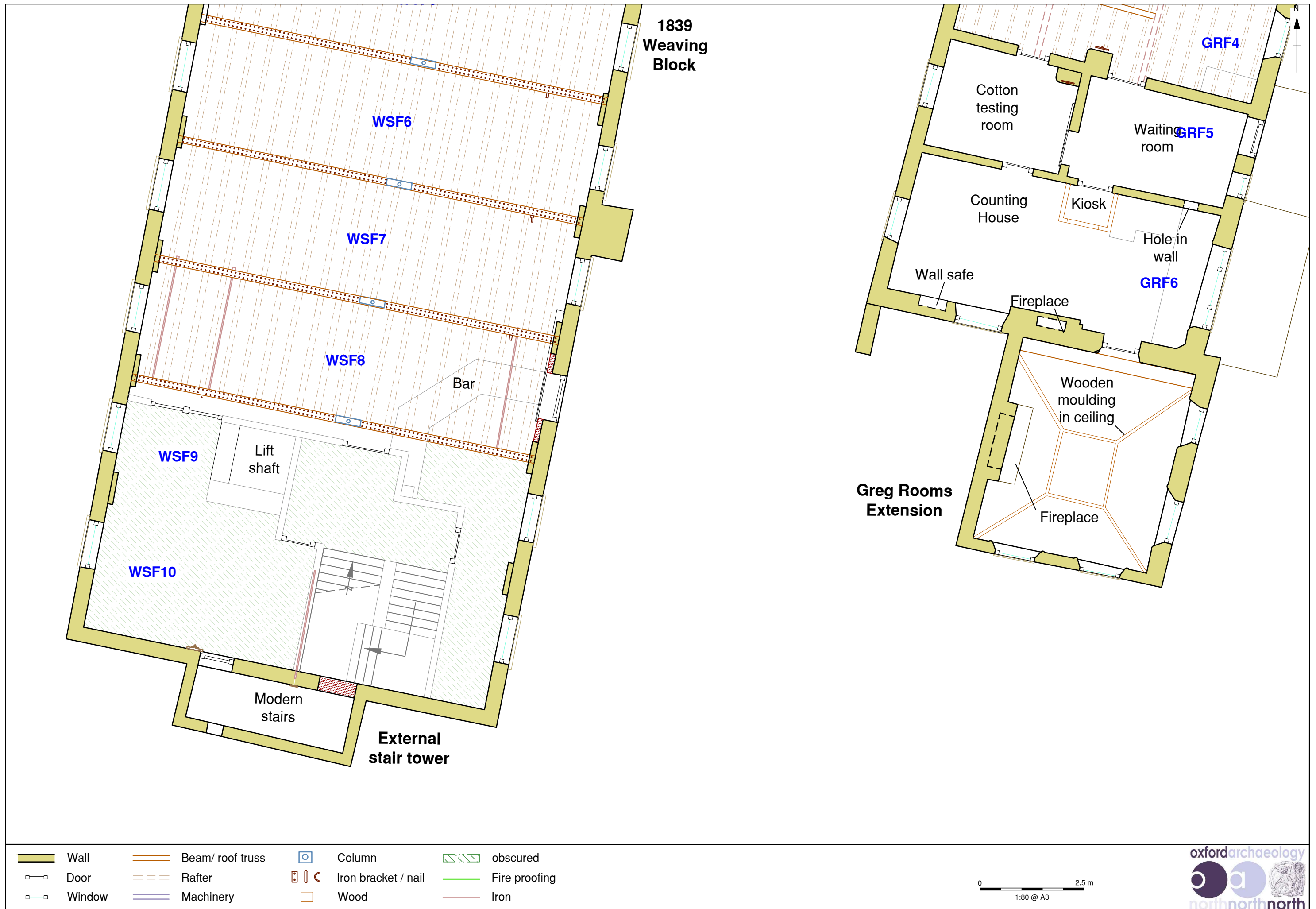


Figure 112: First Floor - 1839 Weaving Block and Greg Rooms (South)



Figure 113: First Floor - 1839 Weaving Block and Greg Rooms (North)

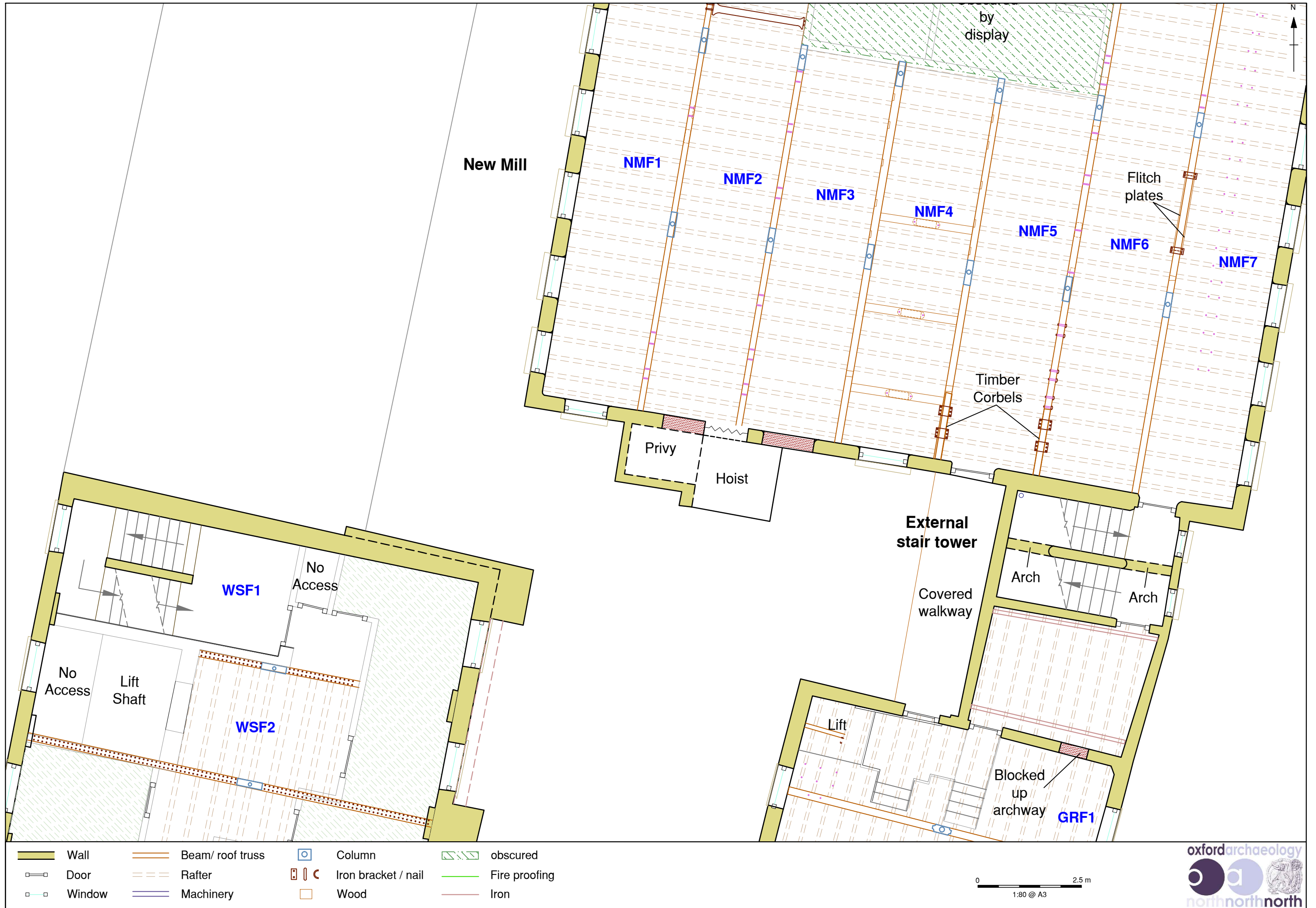


Figure 114: First Floor - New Mill (South)

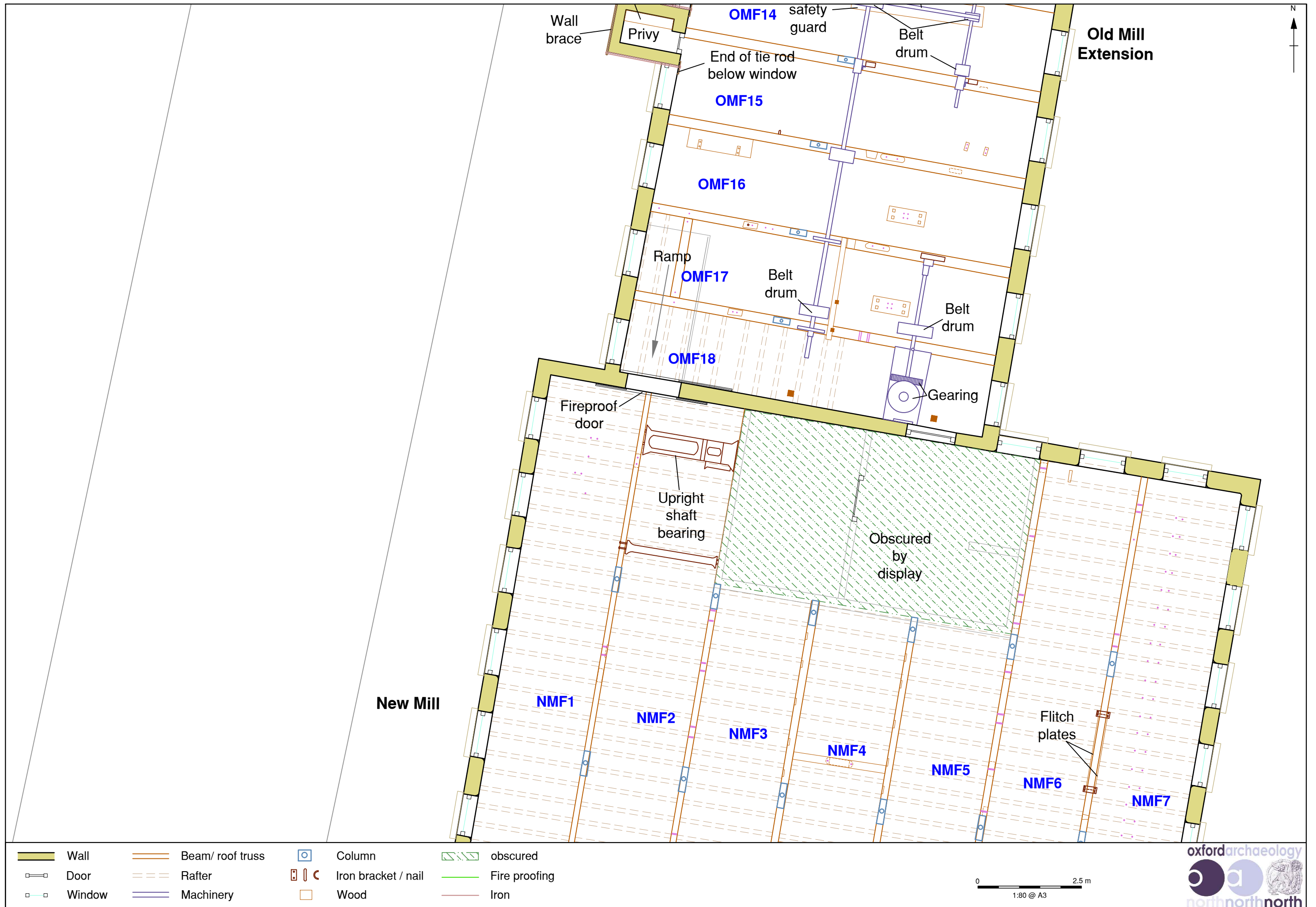


Figure 115: First Floor - New Mill (North)

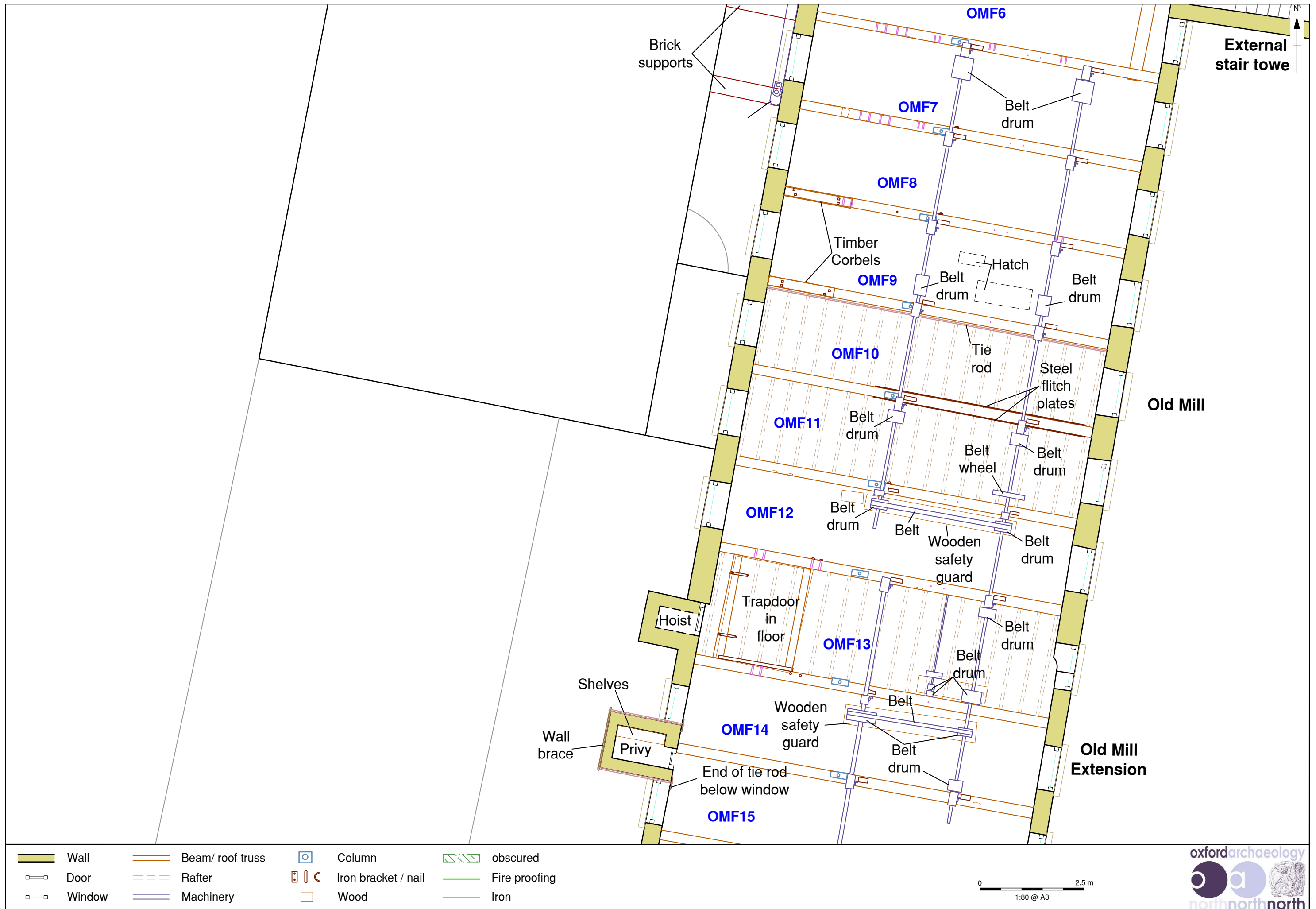


Figure 116: First Floor - Old Mill (South)

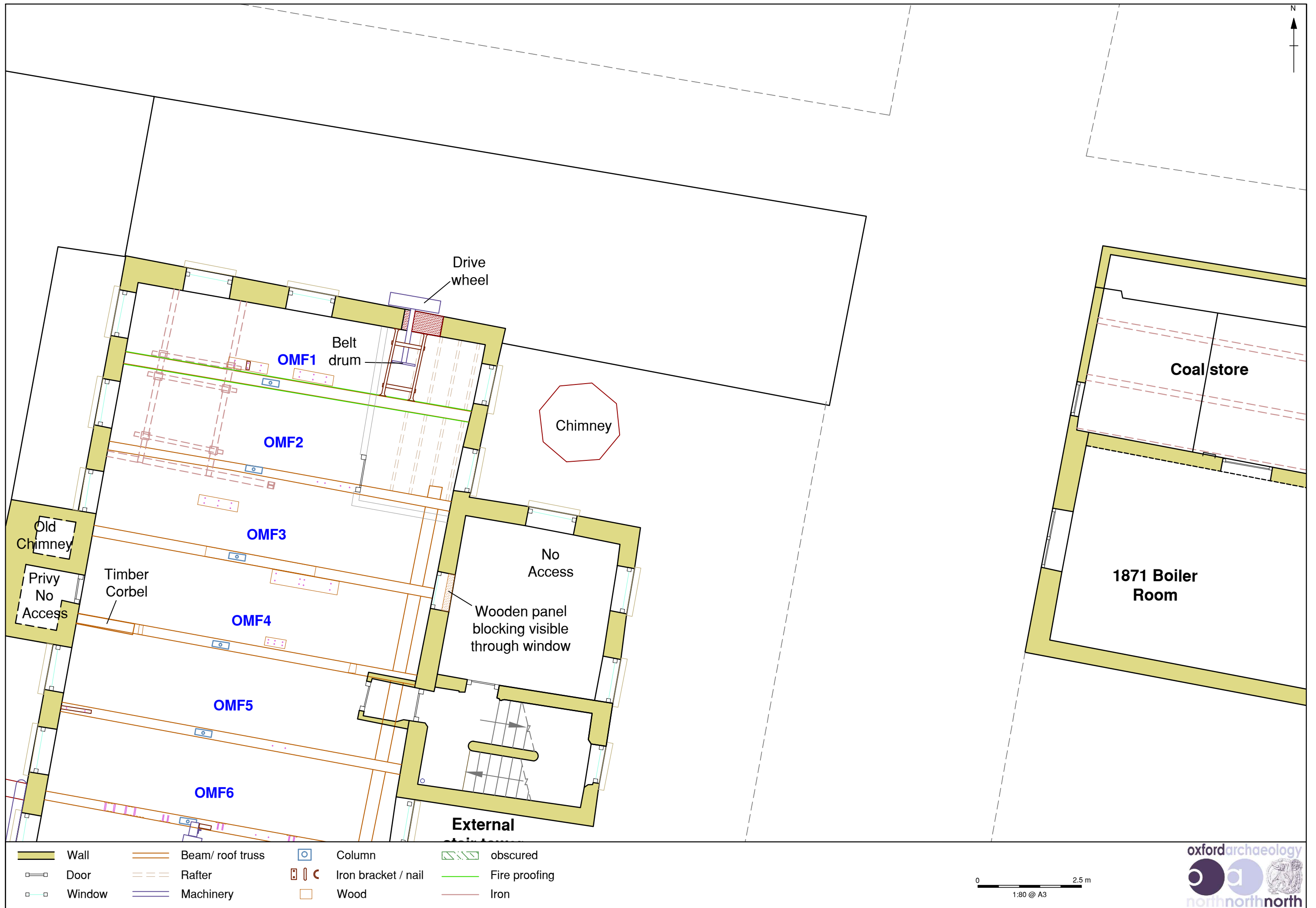


Figure 117: First Floor - Old Mill (North)



Figure 118: Quarry Bank Mill Overall Second Floor Plan

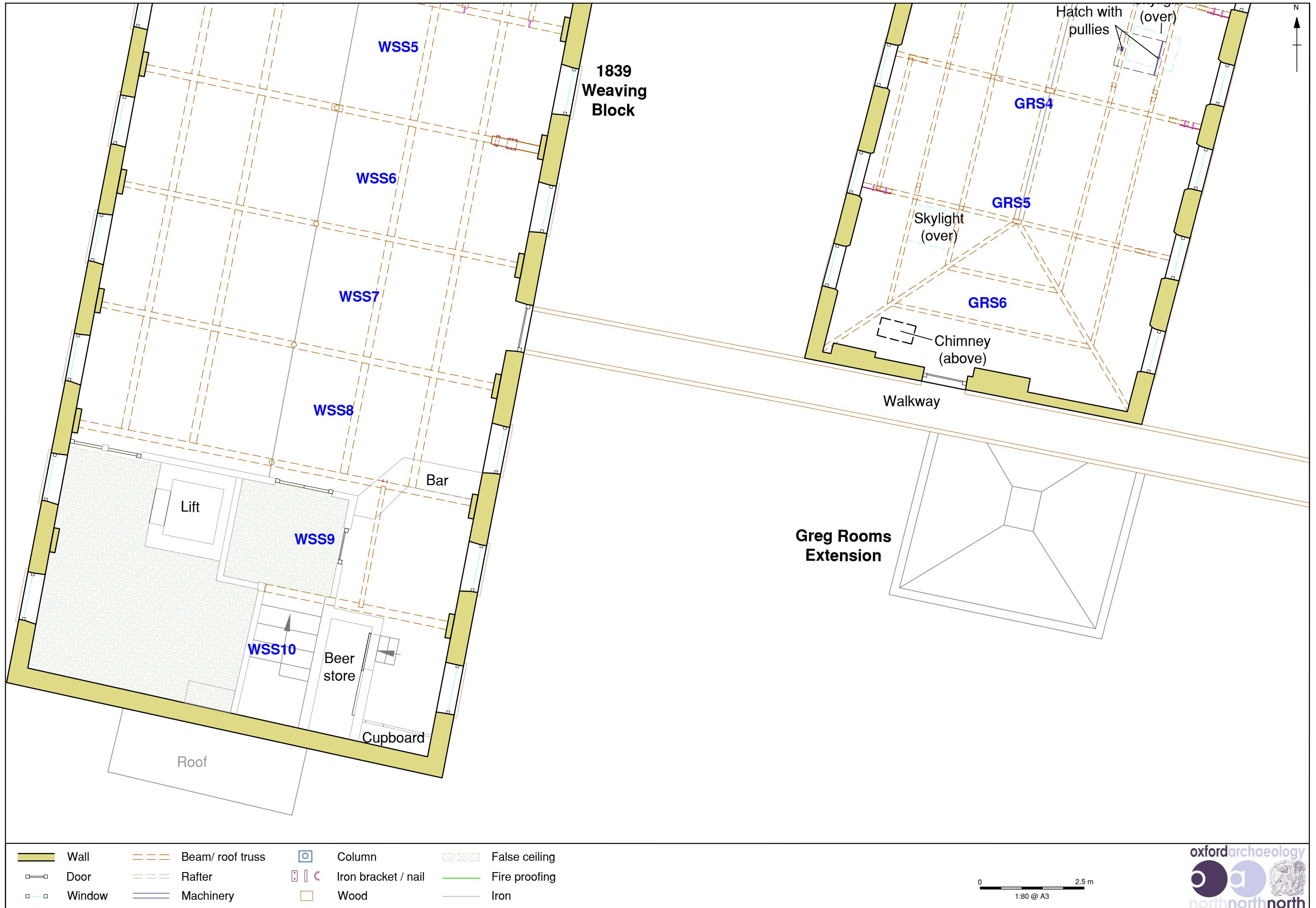


Figure 119: Second Floor - 1839 Weaving Block and Greg Rooms (South)



Figure 120: Second Floor - 1839 Weaving Block and Greg Rooms (North)



Figure 121: Second Floor - New Mill



Figure 123: Second Floor - Old Mill

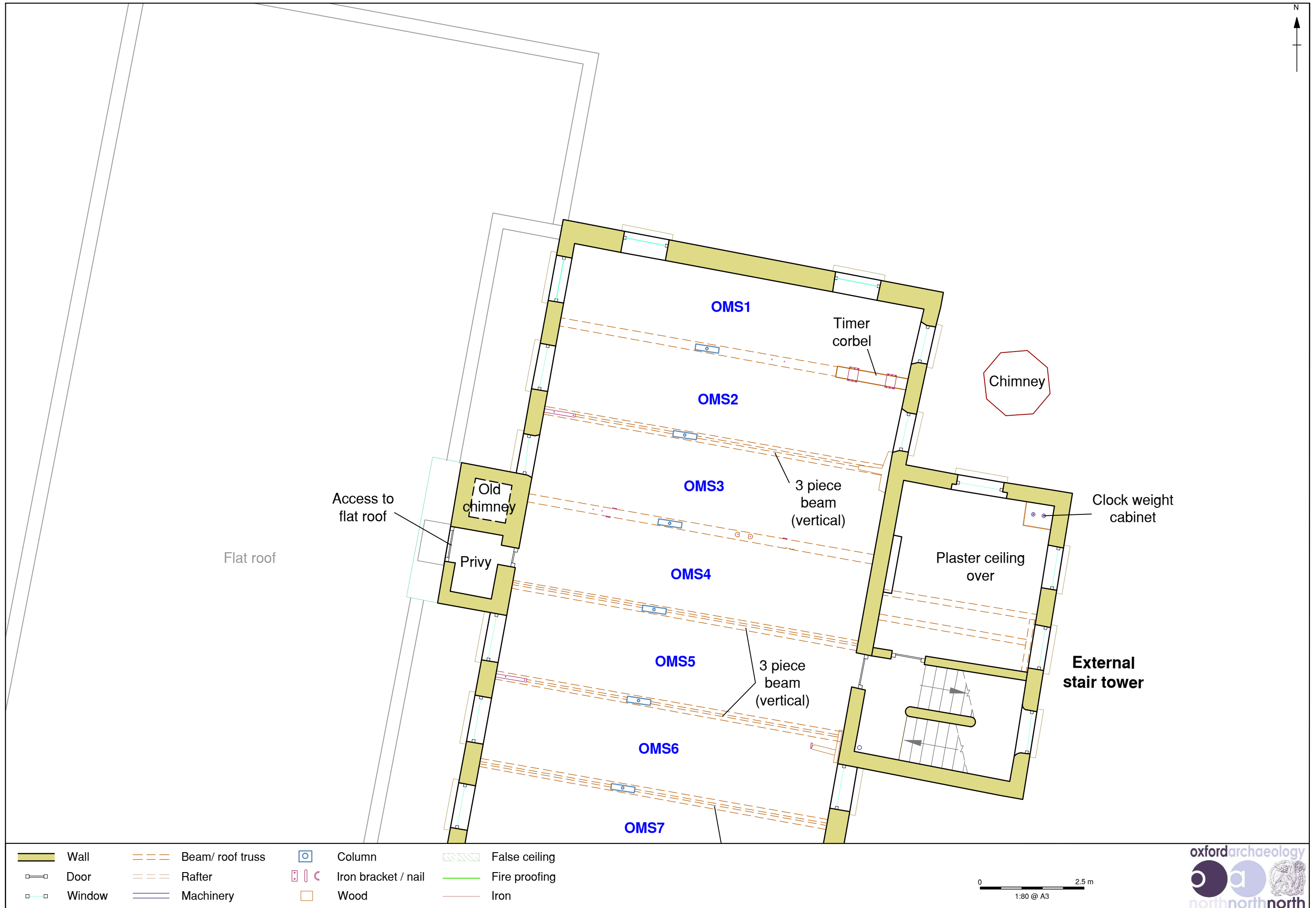


Figure 124: Second Floor - Old Mill North

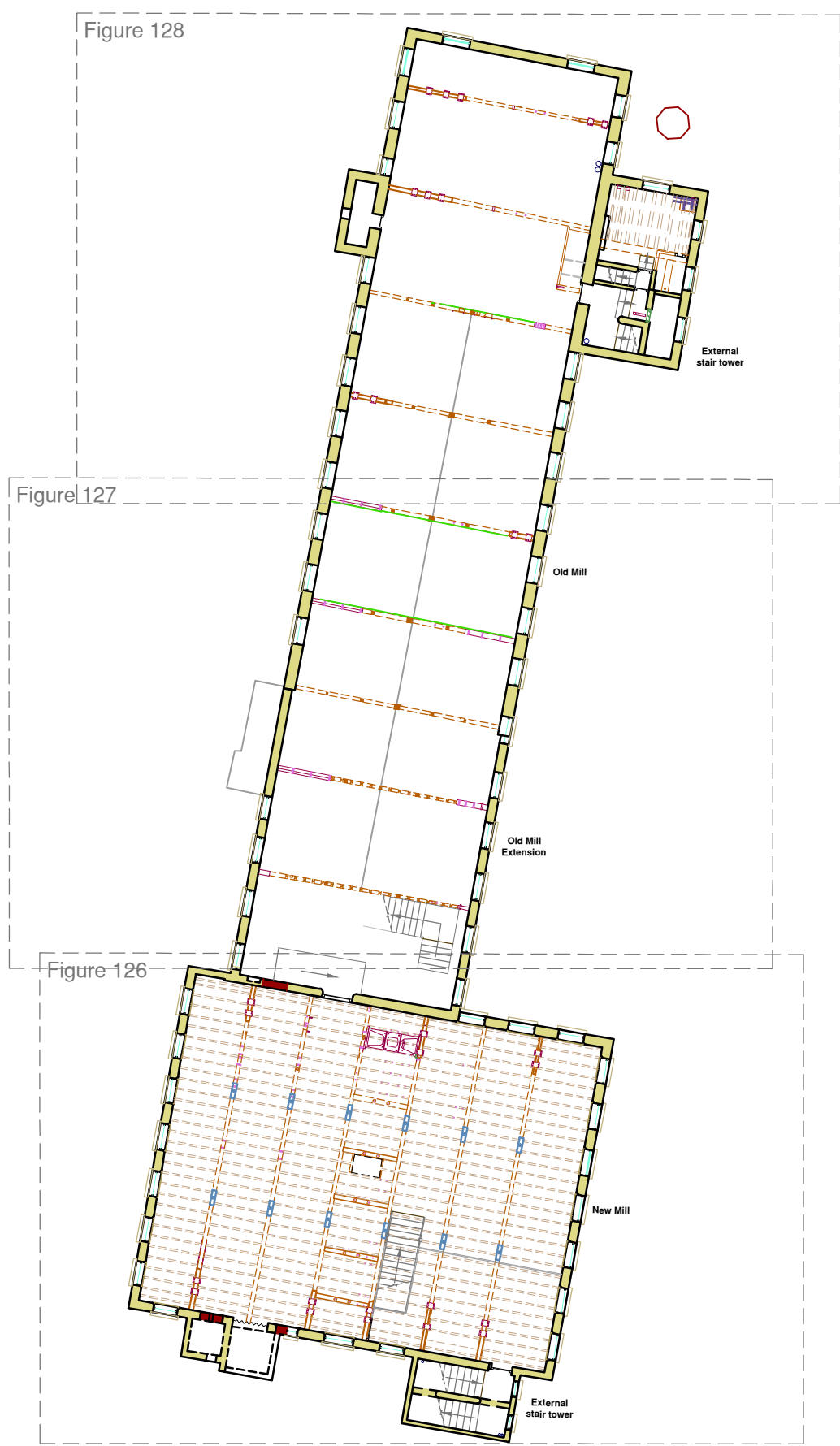


Figure 128

Figure 127

Figure 126

- | | | | |
|--------|------------------|---------------------|---------------|
| Wall | Beam/ roof truss | Column | Fire proofing |
| Door | Rafter | Iron bracket / nail | Iron |
| Window | Machinery | Wood | |

0 5 m
1:250 @ A3



Figure 125: Quarry Bank Mill Overall Third Floor Plan

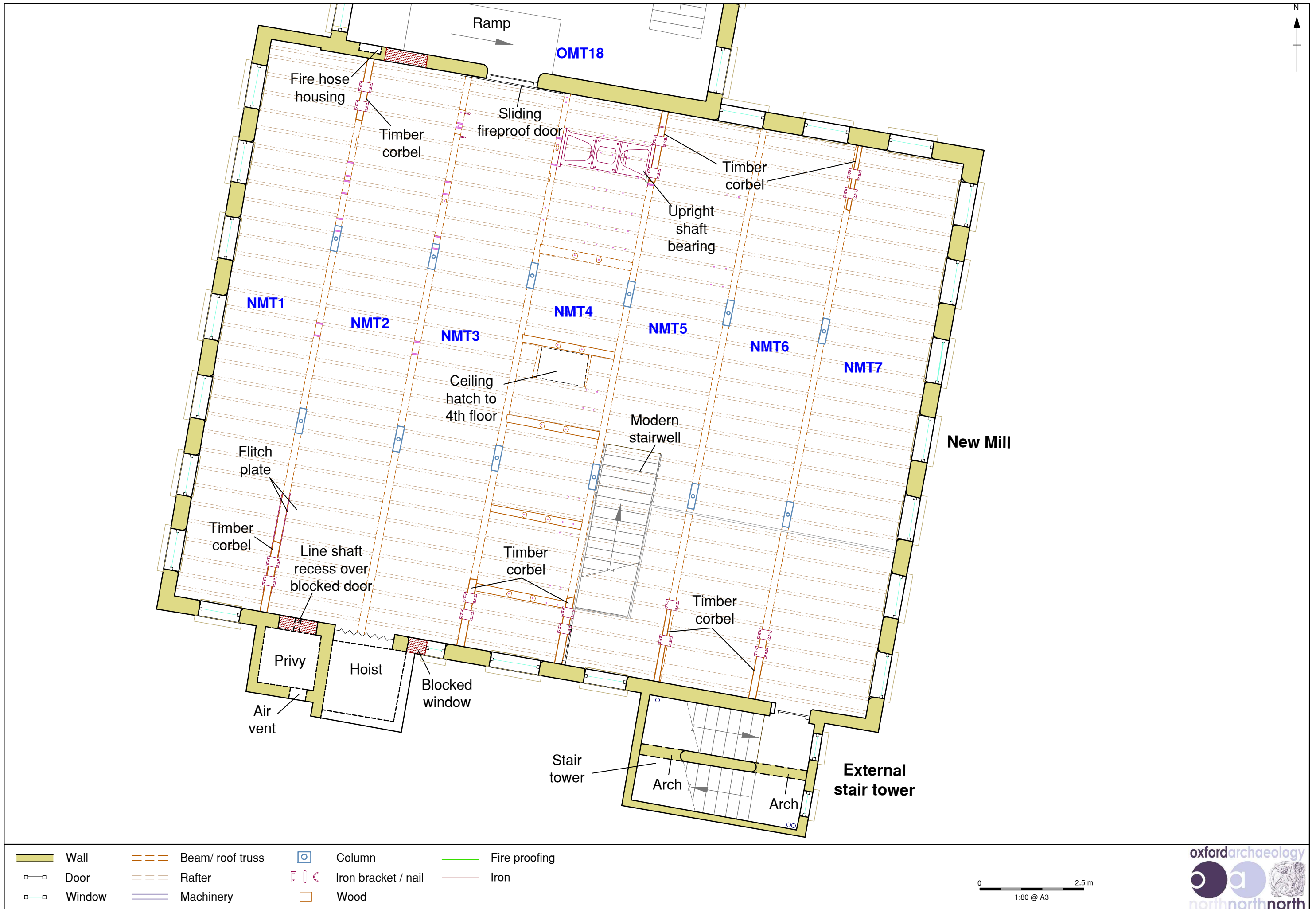


Fig 126: Third Floor - New Mill

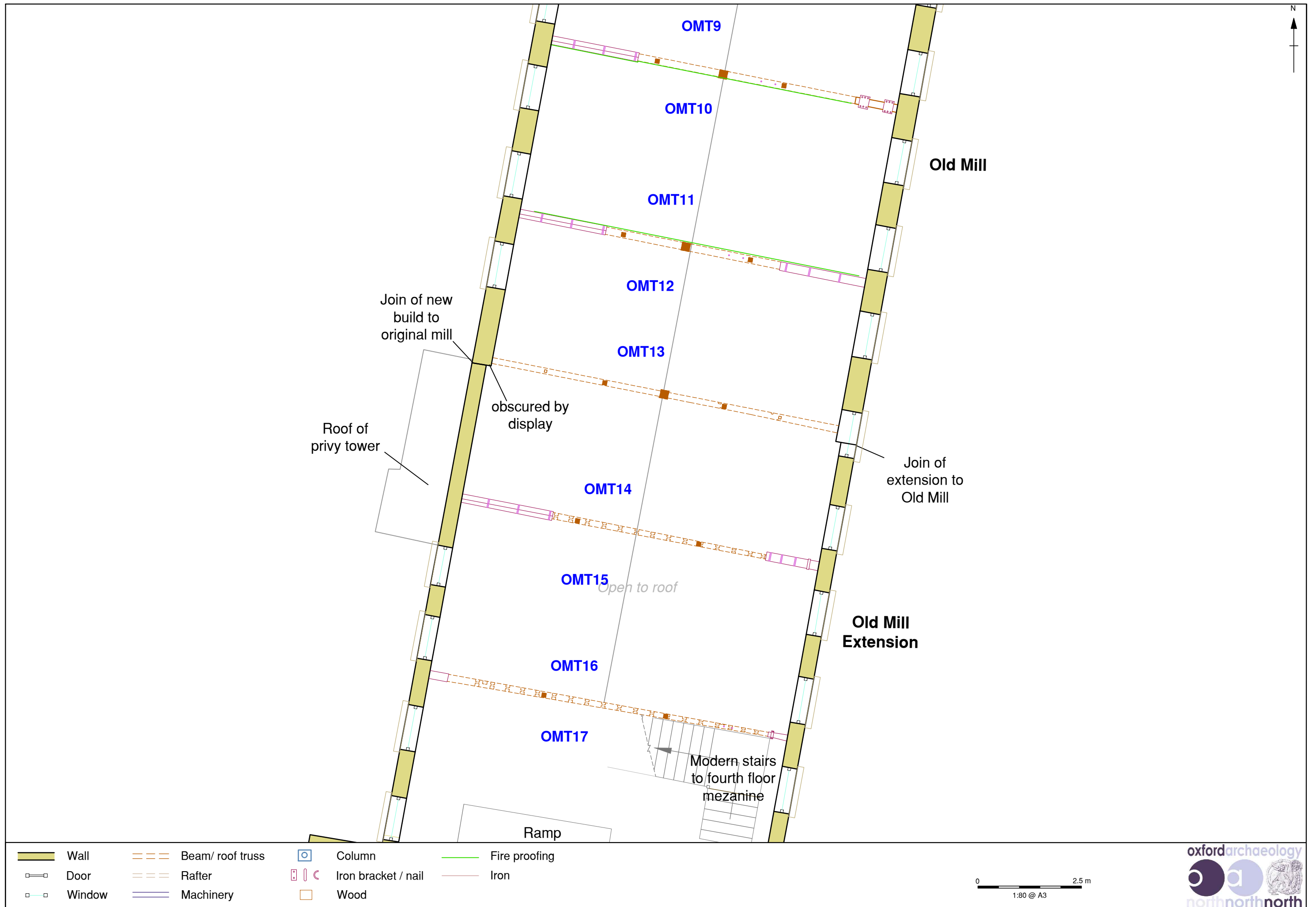


Fig 127: Third Floor - Old Mill Extension

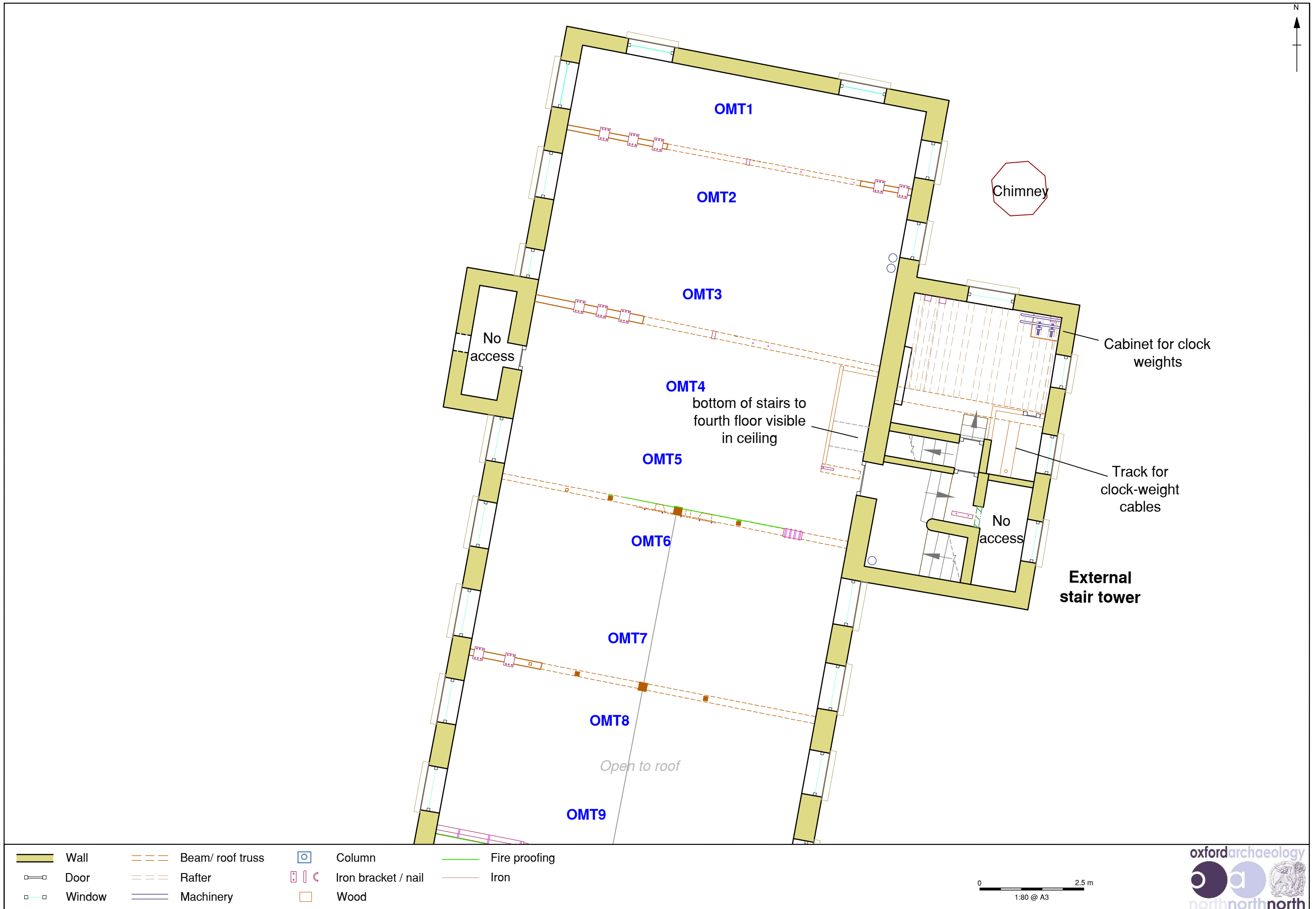
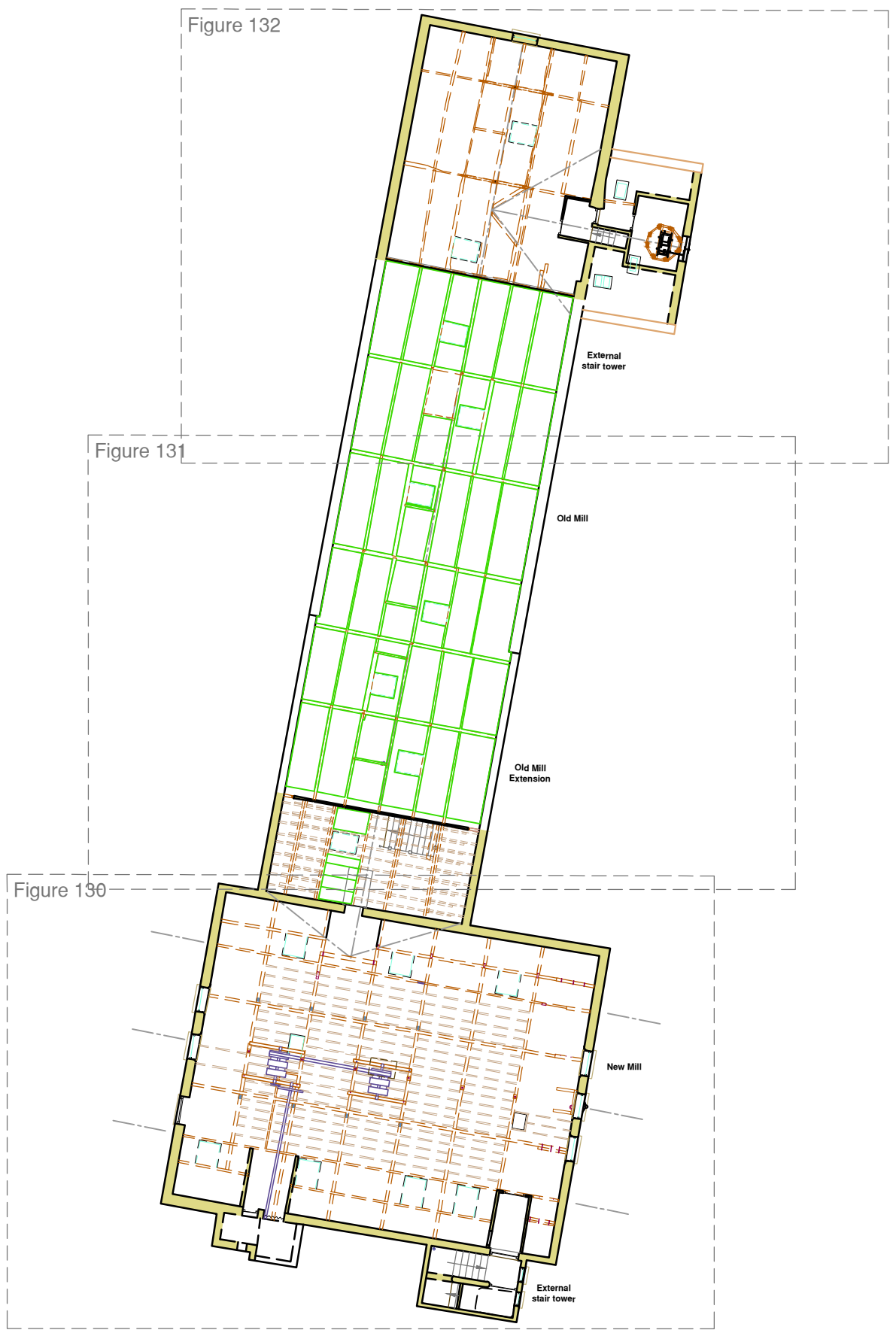


Fig 128: Third Floor - Old Mill North



- | | | | |
|--------|------------------|---------------------|---------------|
| Wall | Beam/ roof truss | Column | Fire proofing |
| Door | Rafter | Iron bracket / nail | Iron |
| Window | Machinery | Wood | |

0 5 m
1:250 @ A3



Figure 129: Quarry Bank Mill Overall Fourth Floor Plan

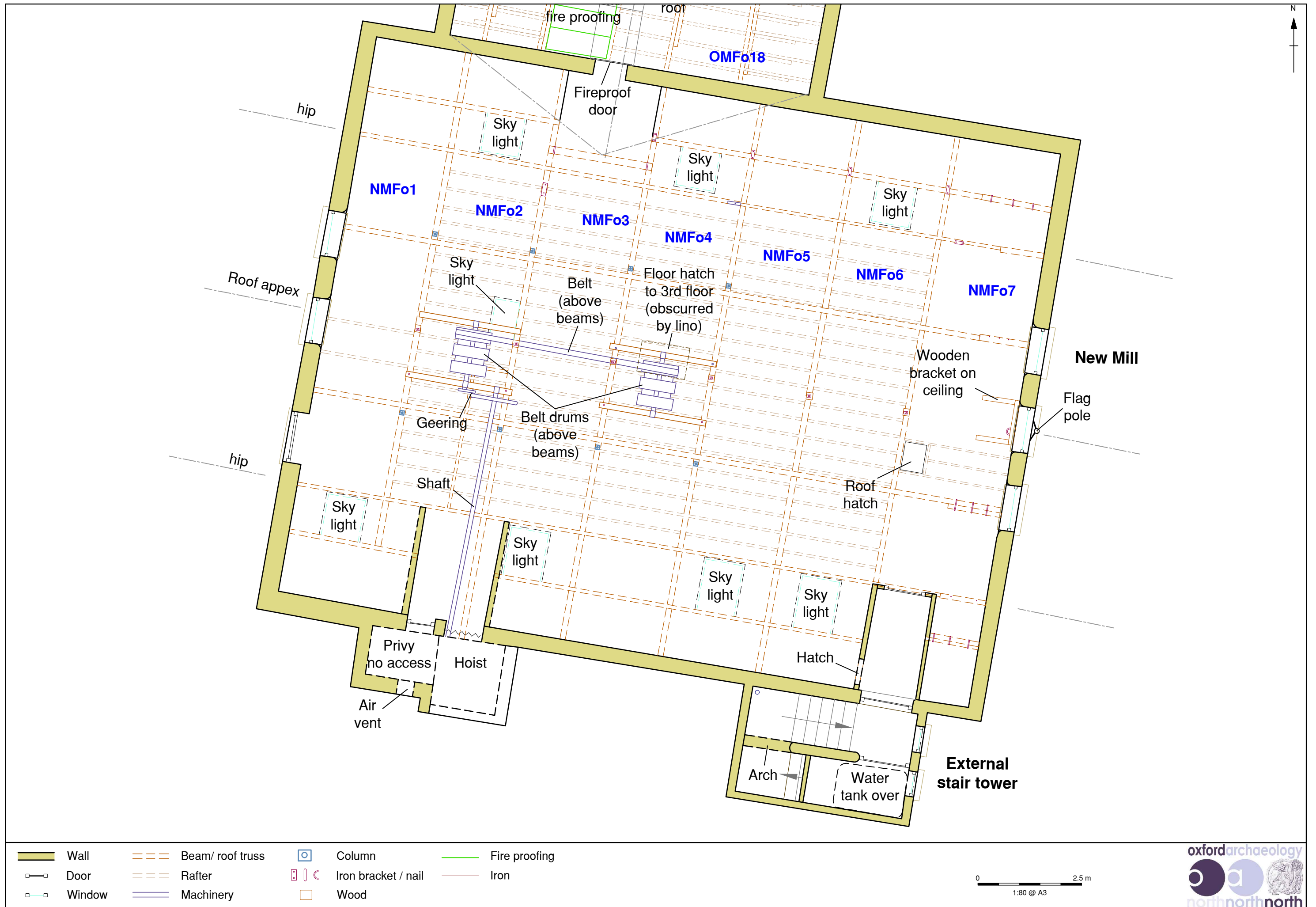


Figure 130: Fourth Floor - New Mill

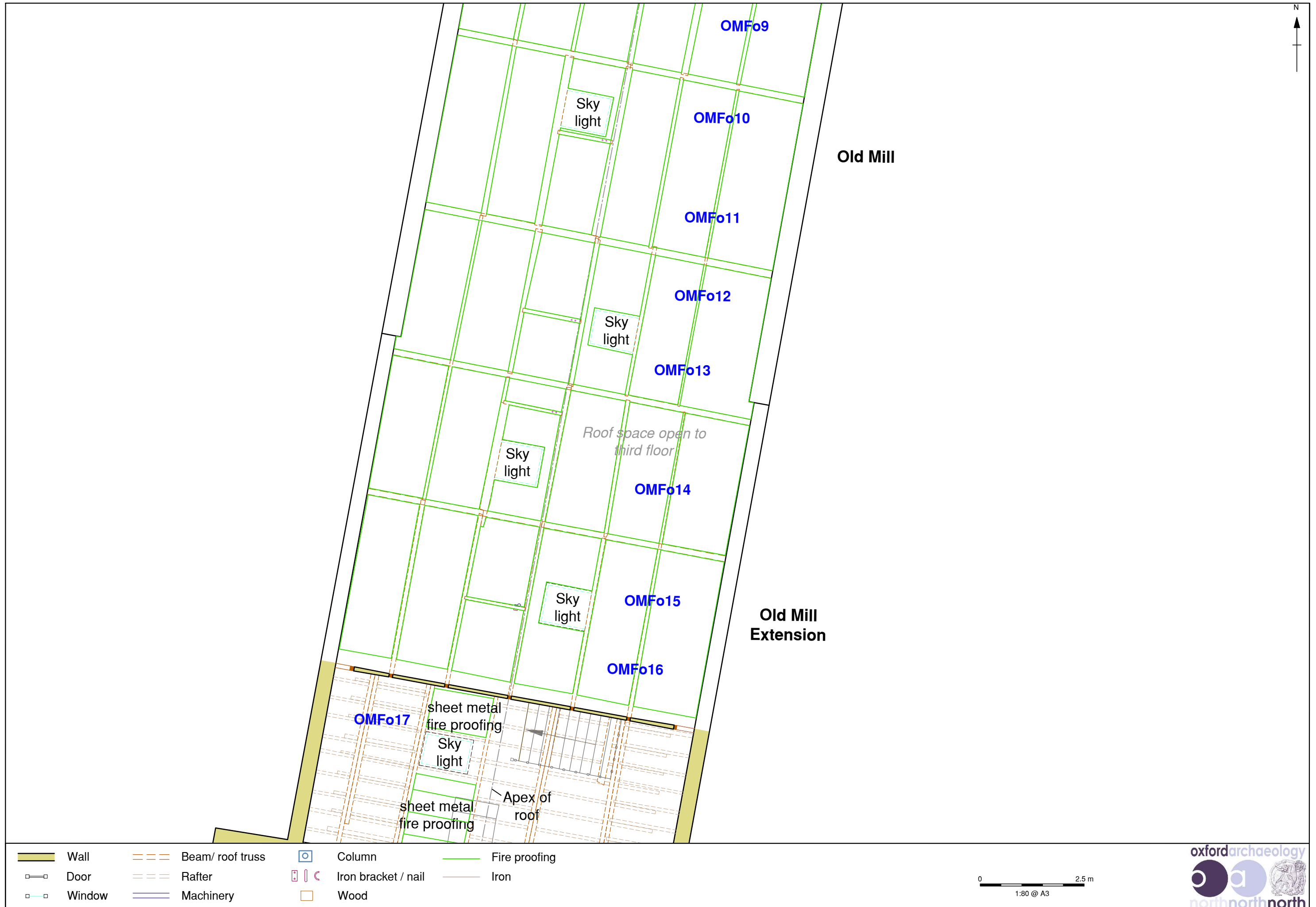


Figure 131: Fourth Floor - Old Mill Extension

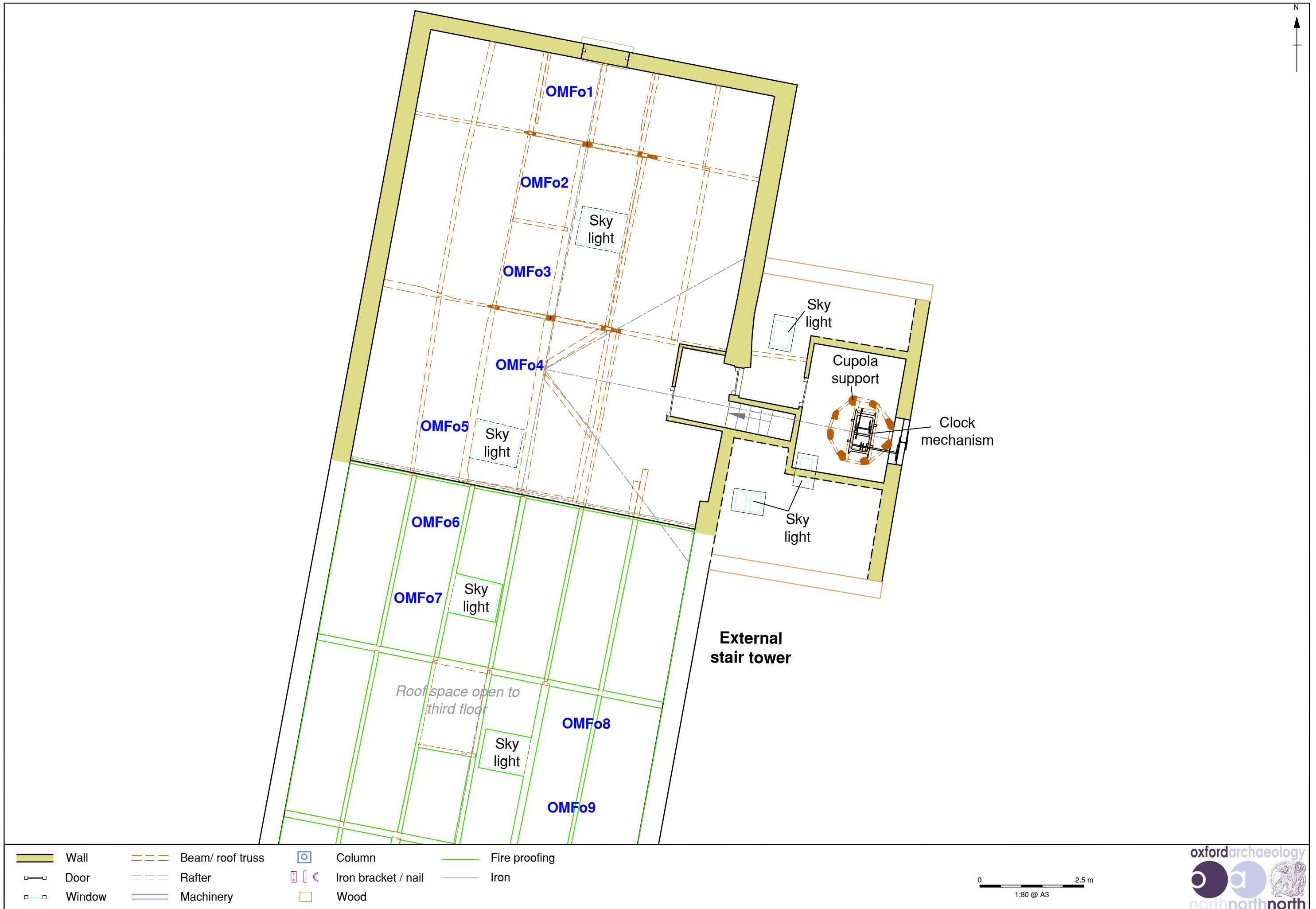


Figure 132: Fourth Floor - Old Mill (North)

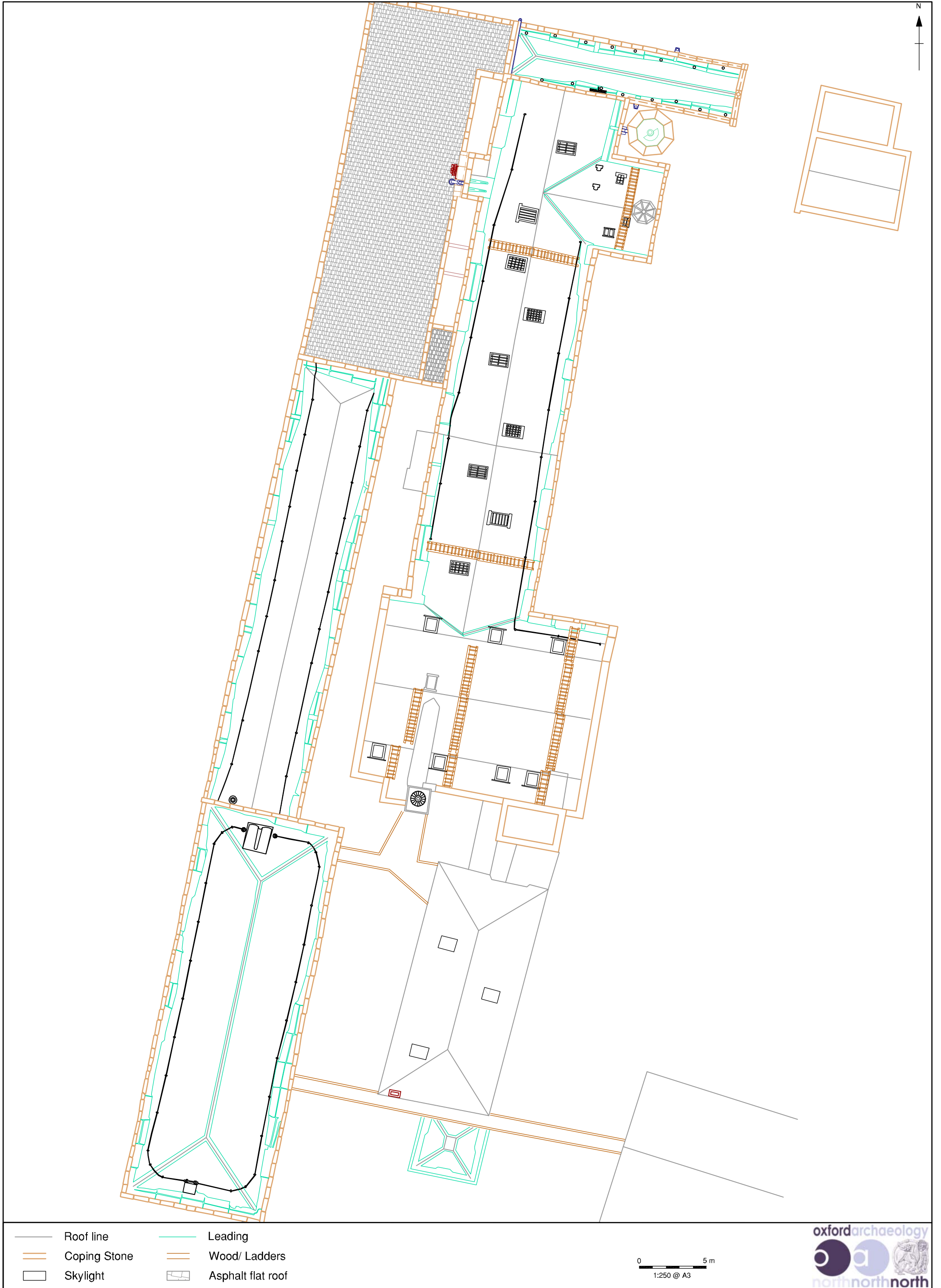
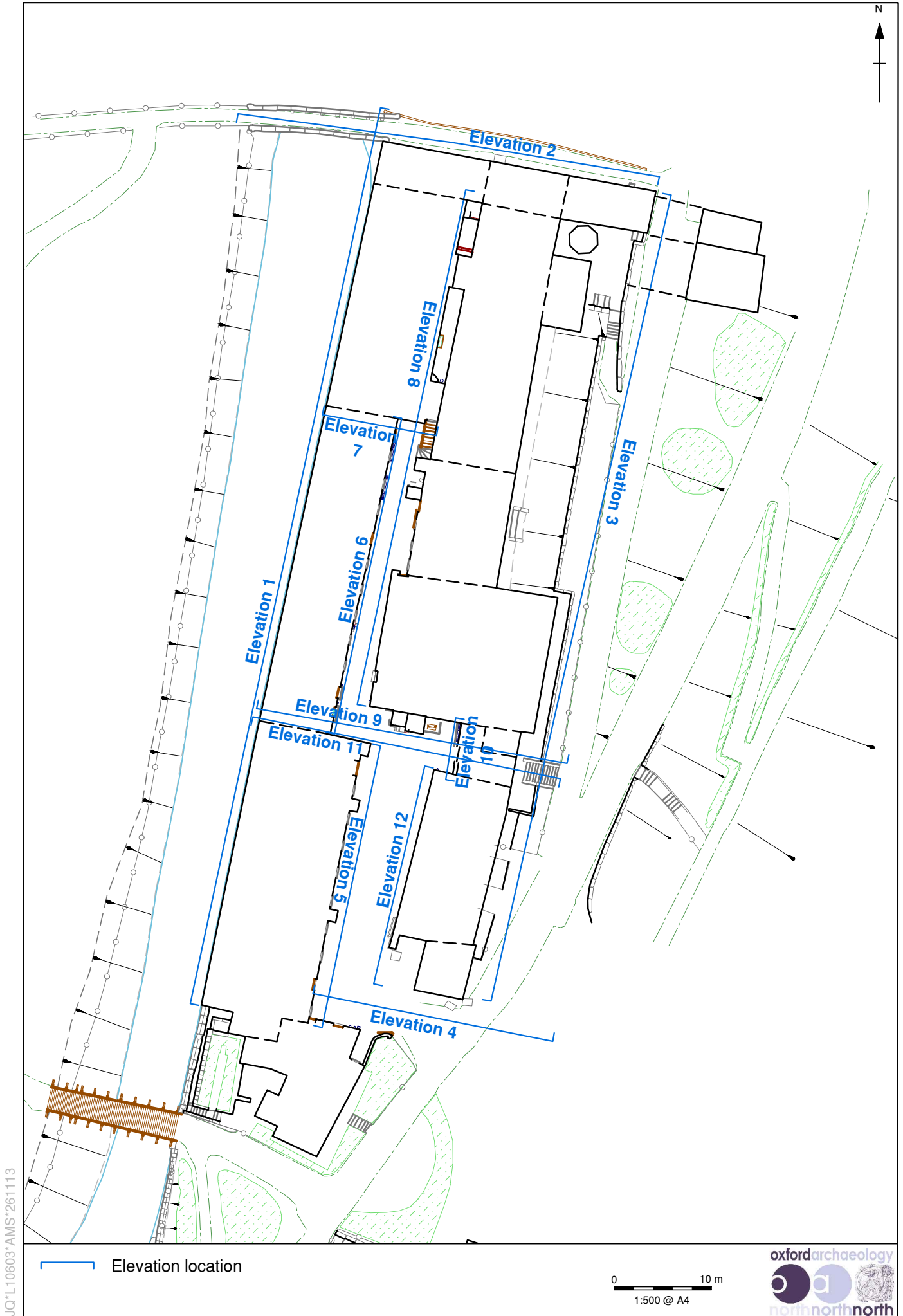


Figure 133: Roof plan of Quarry Bank Mill



JQ*L10603*AMS*261113

Figure 134: Location of elevations

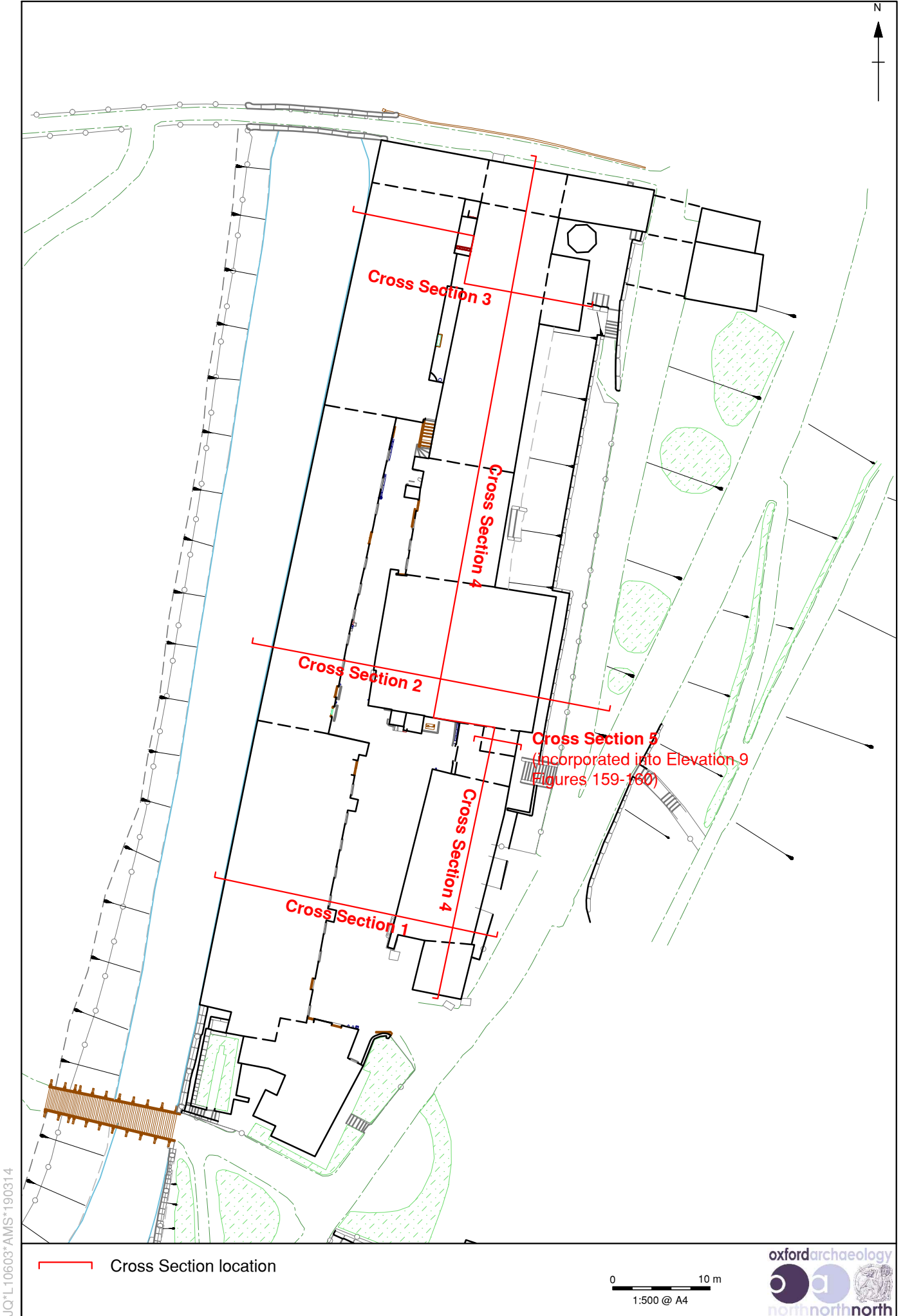


Figure 165: Location of Cross Sections

North

South



water line

JQ*L10603*AKH*231013

- | | | |
|---------------|----------------|----------|
| — Ground line | — Wood | Obscured |
| — Brick | ⊙ ⊗ Wall brace | |
| — Stone | — Roof line | |

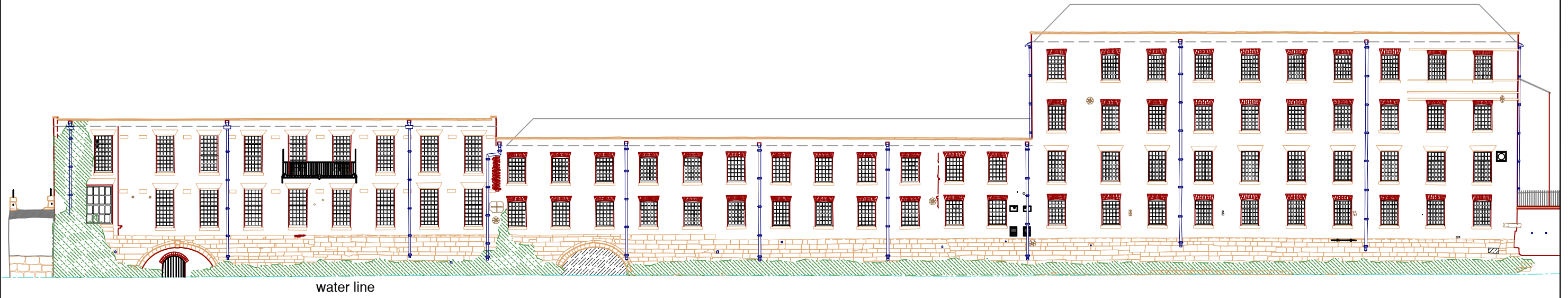
0 5 m
1:250 @ A3



Figure 135: Elevation 1 including Laser Scan data

North

South



water line

- Ground line
- Wood
- ▨ Obscured
- Brick
- ⊙ ⊗ Wall brace
- Stone
- Roof line

0 ————— 5 m
1:250 @ A3



JQ*L10603*AKH*231013

Figure 136: Elevation 1 - The West Range

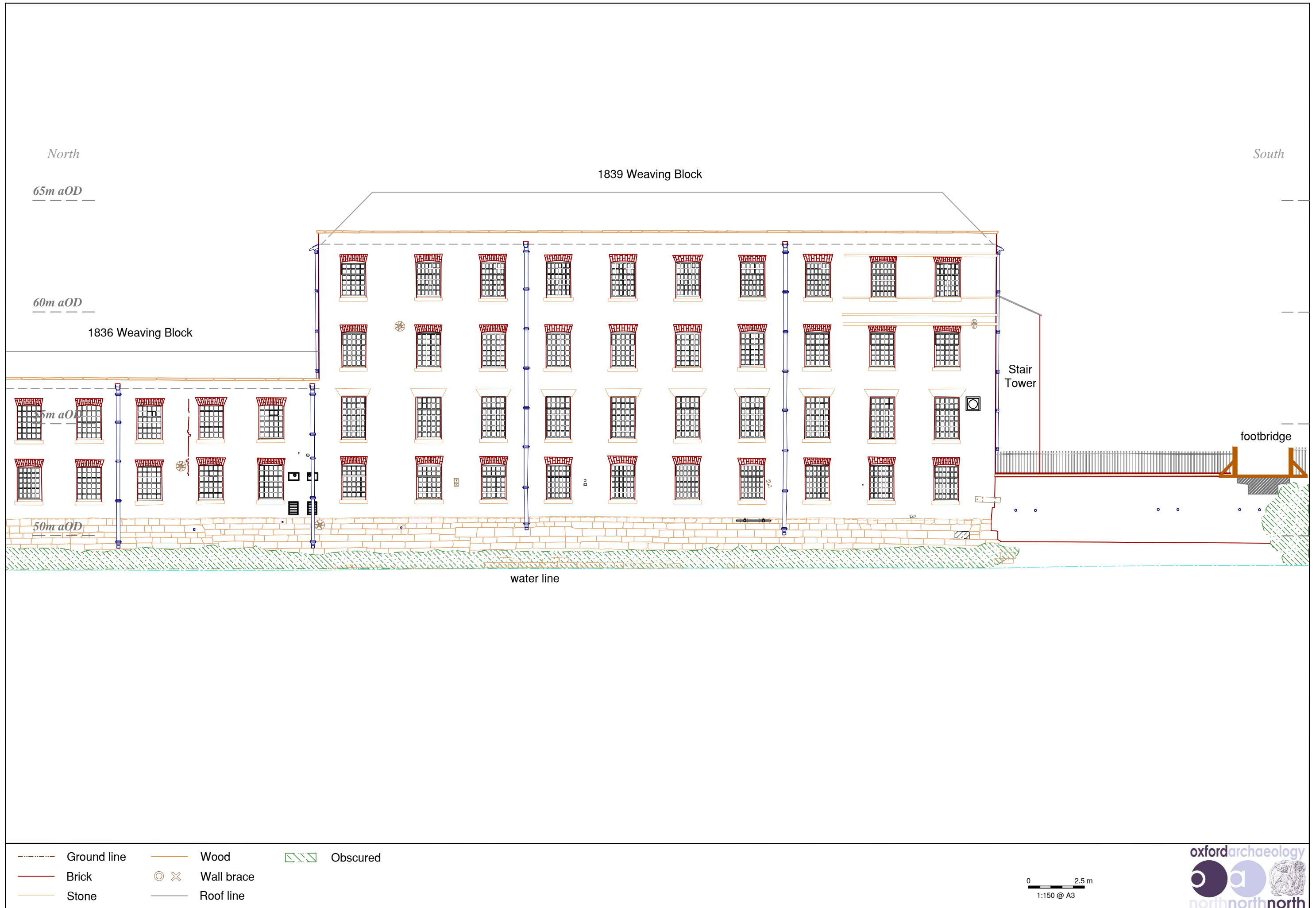


Figure 137: Elevation 1 - The West Range (South)



JQ*L10603*AKH*231013

Figure 138: Elevation 1 - The West Range (North)

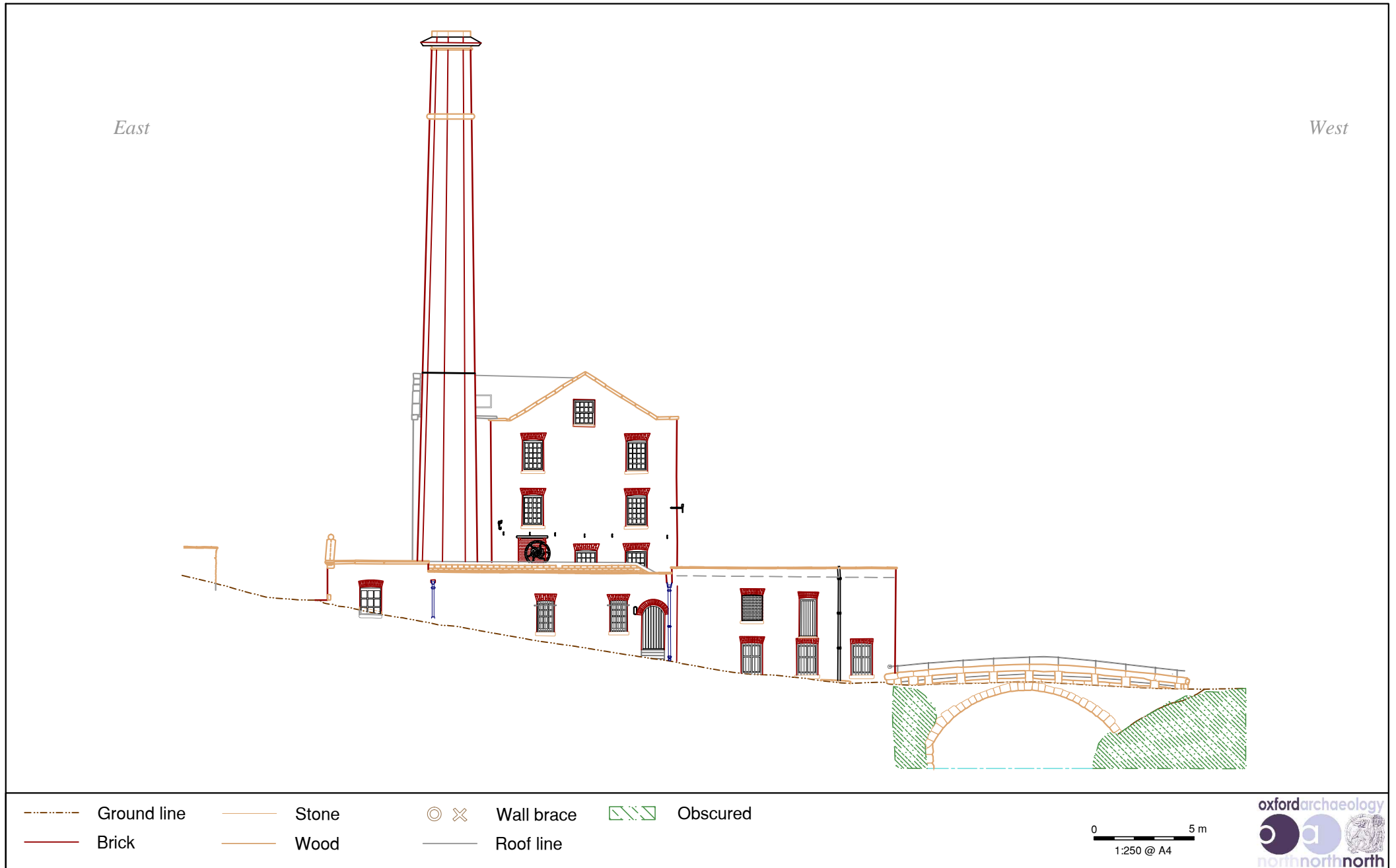
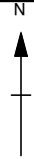


Figure 139: Elevation 2 - The Engine House and Old Mill Gable

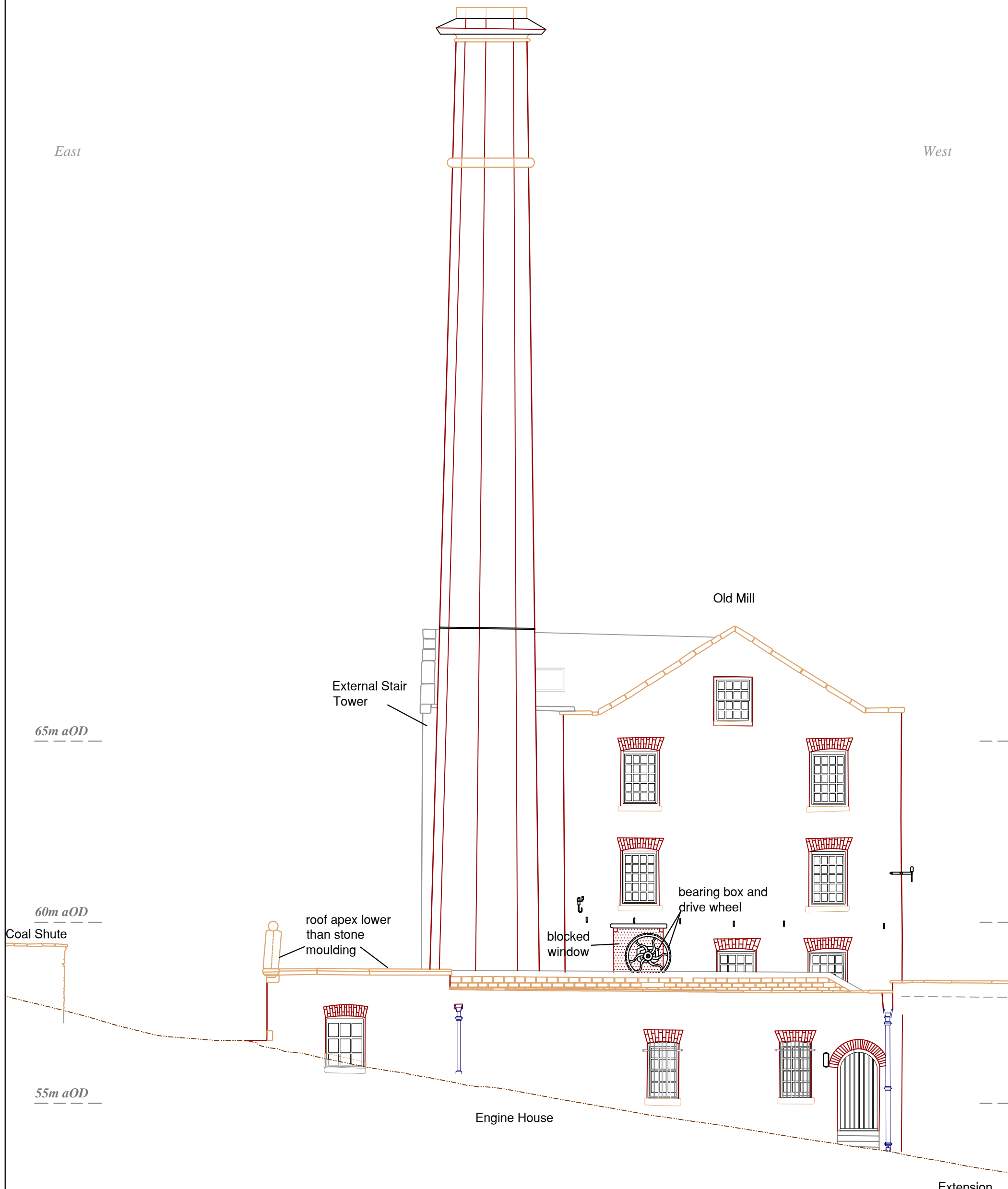


Figure 140: Elevation 2 - The Engine House and Old Mill Gable including Laser Scan data



East

West



65m aOD

60m aOD

55m aOD

Coal Shute

External Stair Tower

Old Mill

roof apex lower than stone moulding

blocked window

bearing box and drive wheel

Engine House

Extension

- Ground line
- Brick
- Stone
- Wood
- ⊙ ⊗ Wall brace
- Roof line
- ▨ Obscured

0 ————— 2.5 m
1:100 @ A3



Figure 141: Elevation 2 - The Engine House (West)



East

West

Old Mill

65m aOD

60m aOD

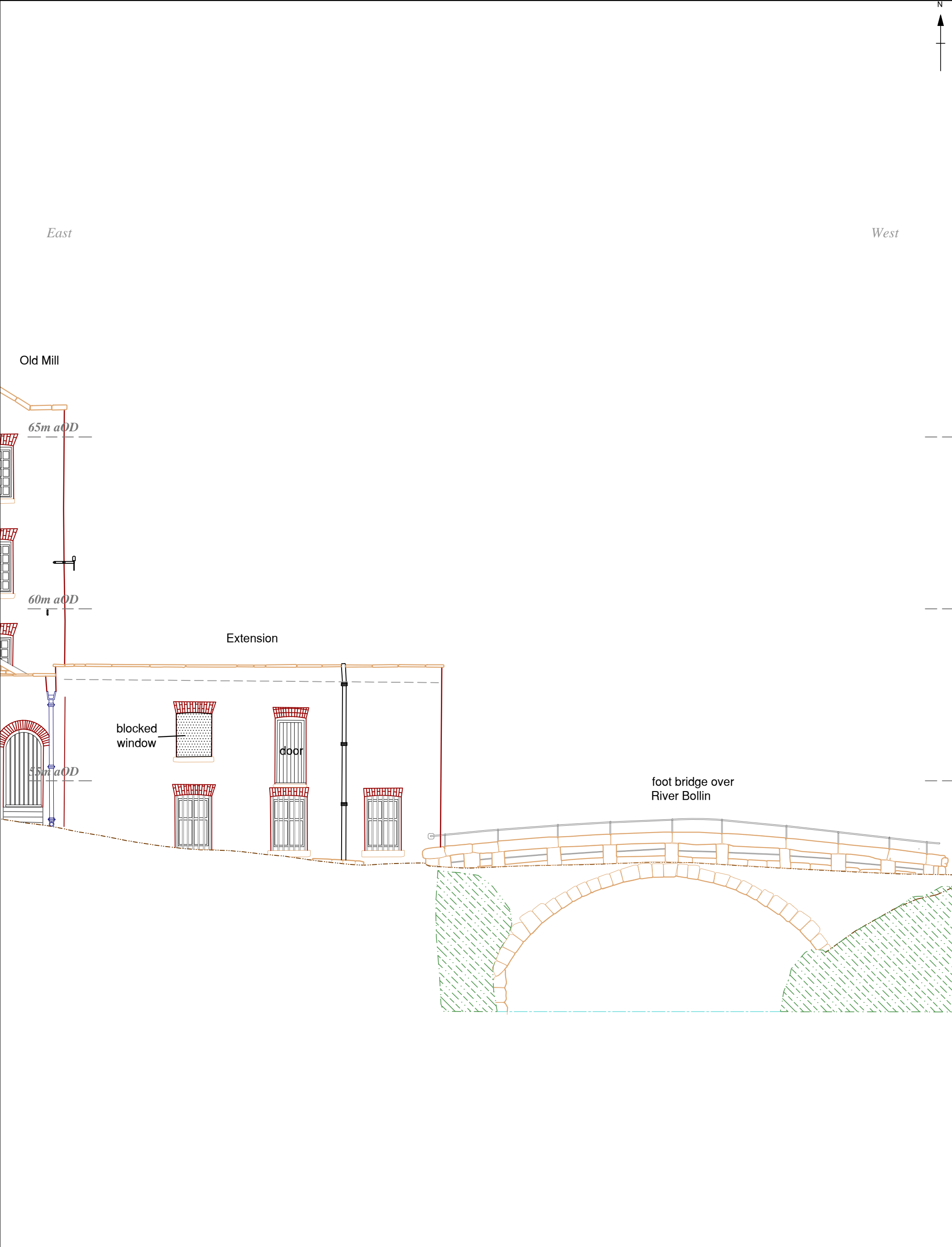
Extension

blocked window

door

55m aOD

foot bridge over River Bollin

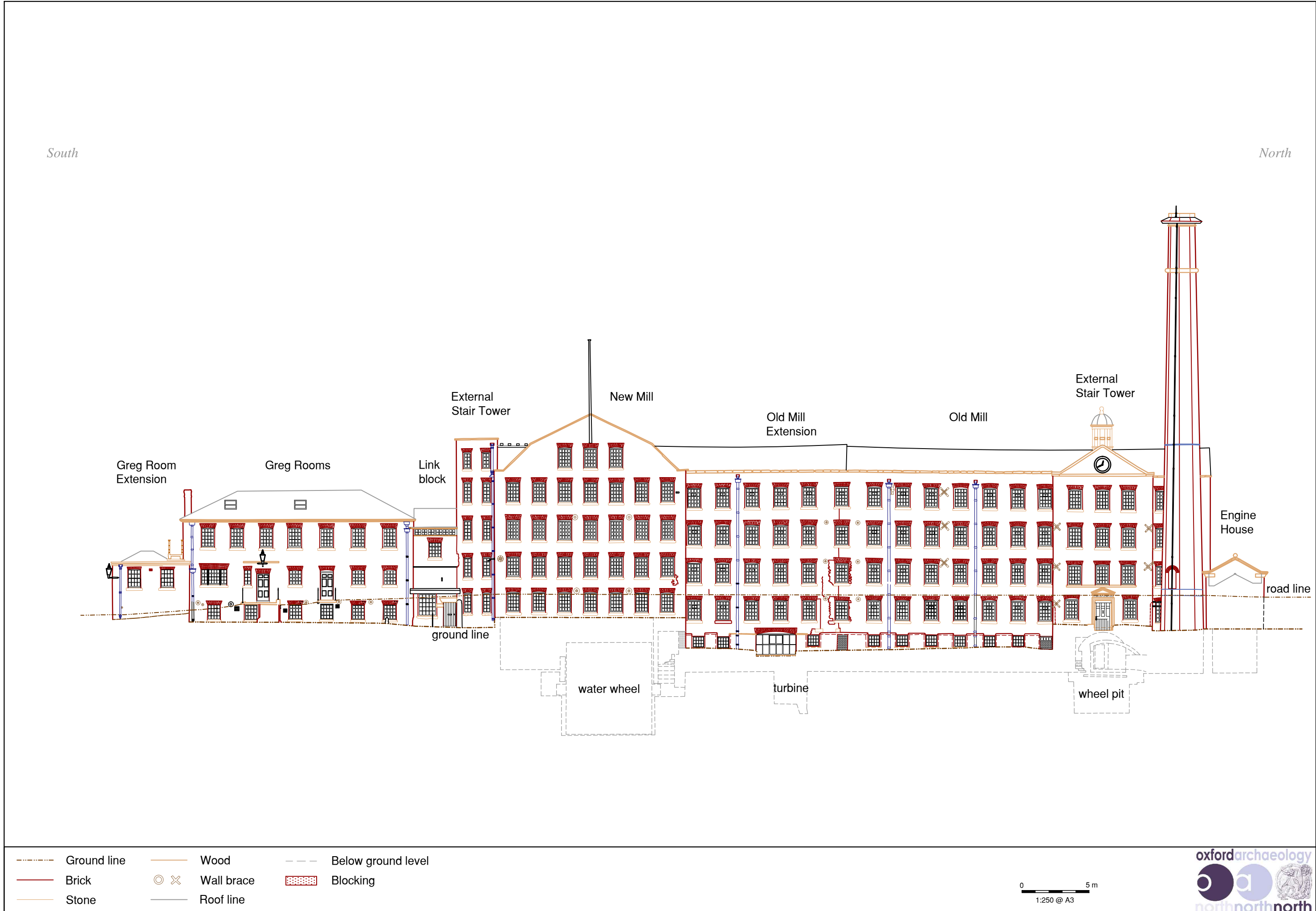


- Ground line
- Brick
- Stone
- Wood
- ⊙ ⊗ Wall brace
- Roof line
- Obscured

0 2.5 m
1:100 @ A3

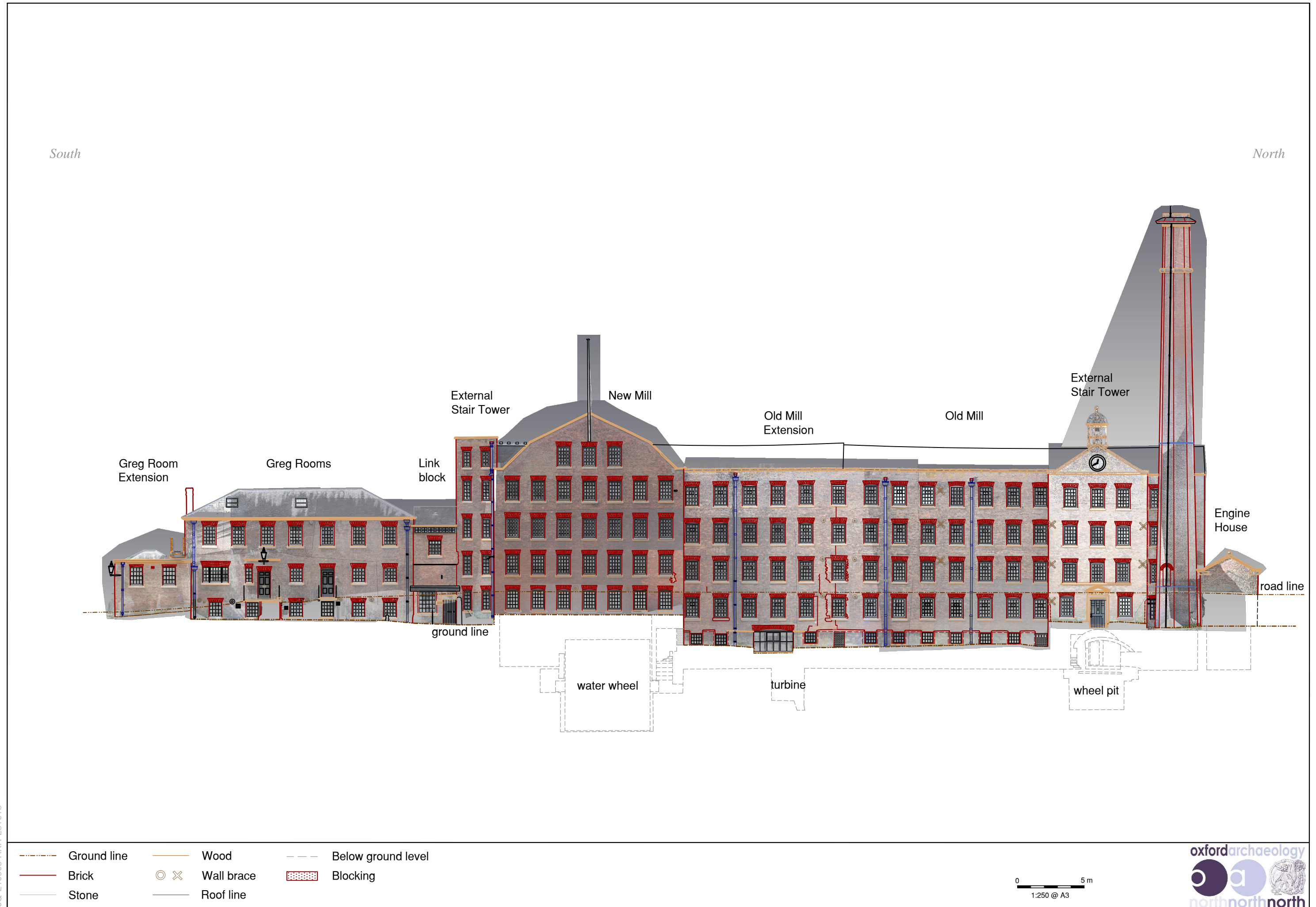


Figure 142: Elevation 2 - The Engine House (East)



JQ*L10603*AKH*231013

Figure 143: Elevation 3 - Greg Rooms, New Mill and Old Mill



JQ*L10603*AKH*231013

Figure 144: Elevation 3 - Greg Rooms, New Mill and Old Mill showing laser scan data

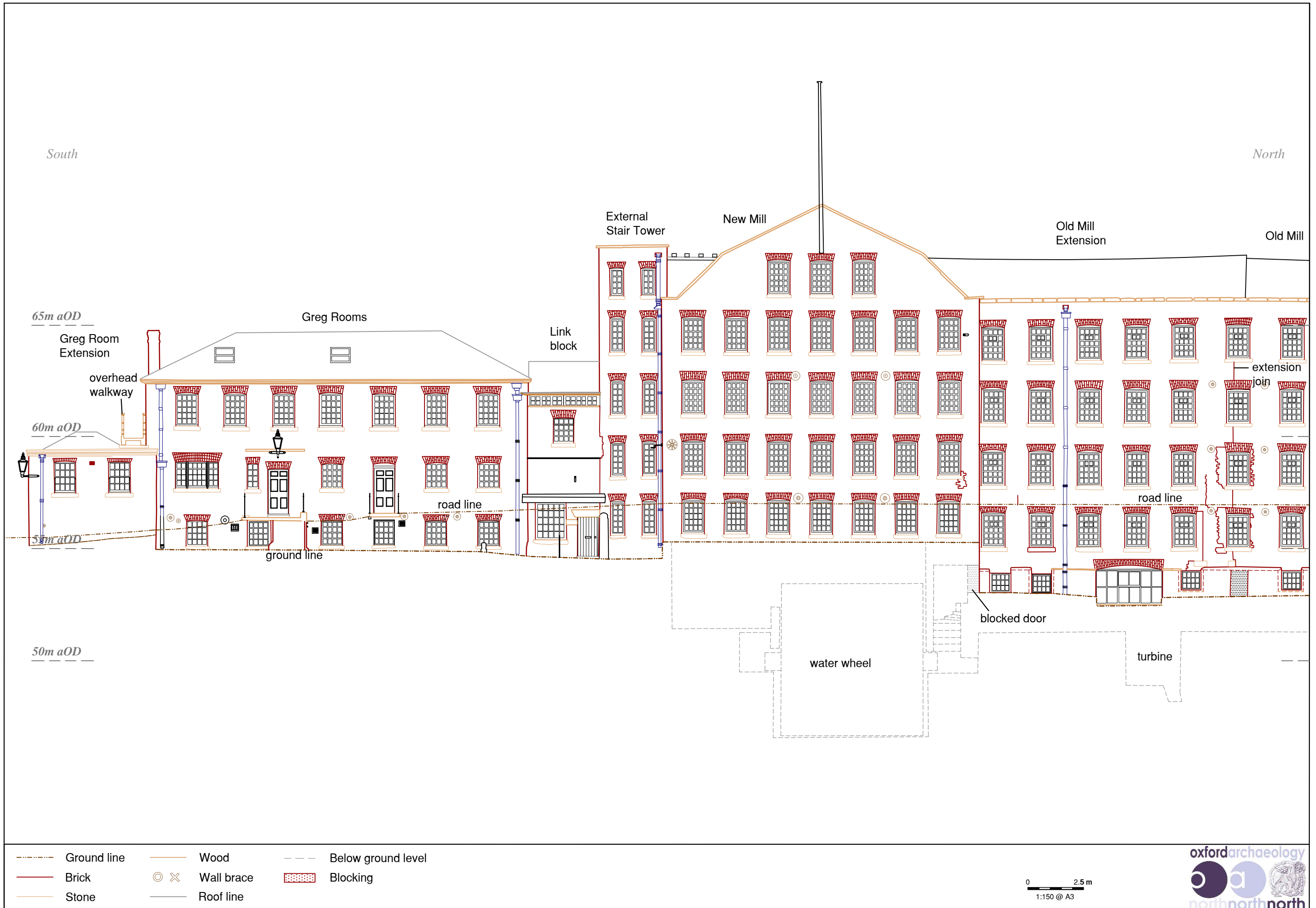
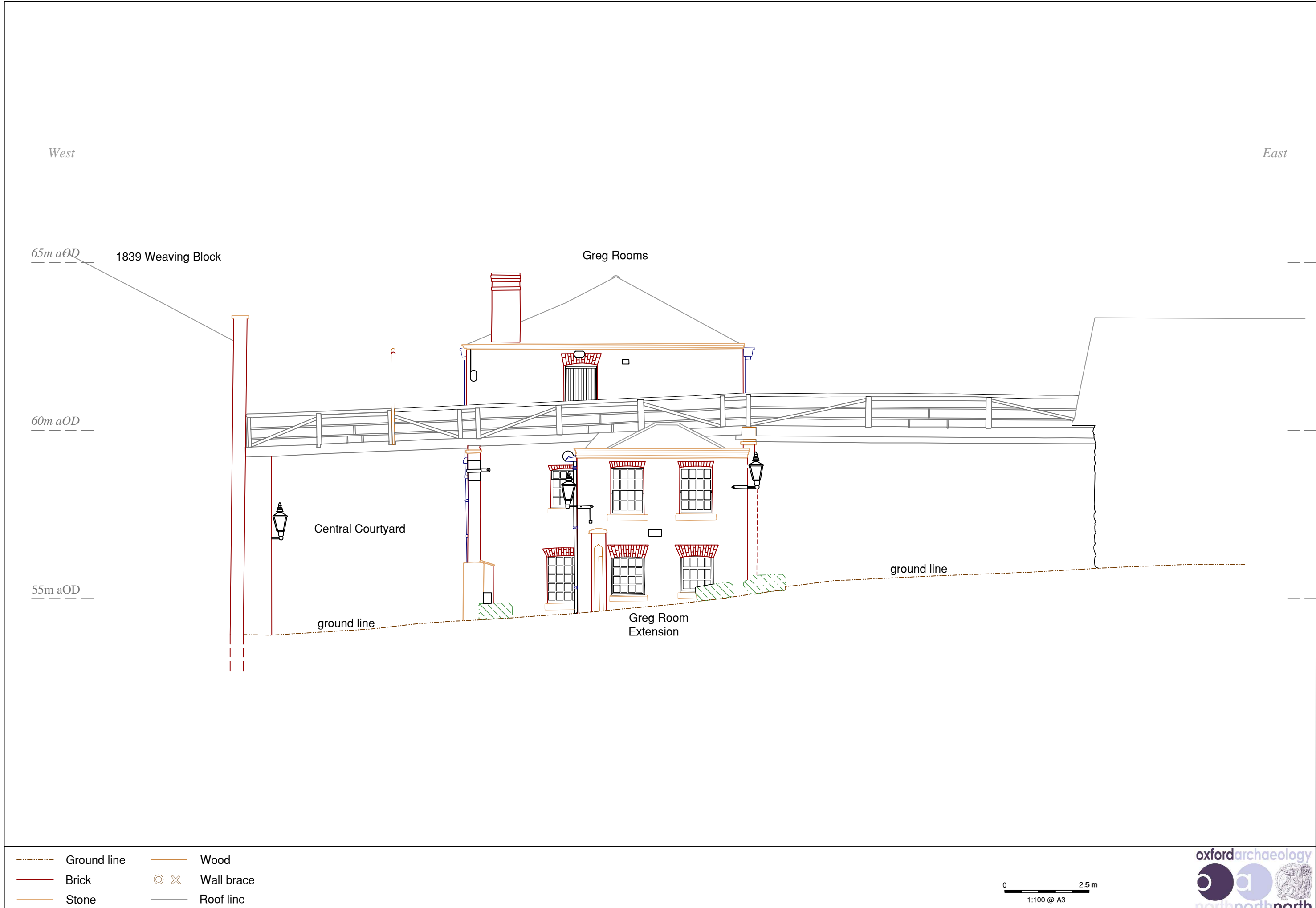


Figure 145: Elevation 3 Greg Rooms and New Mill (South)

JQ*L10603*AKH*231013



JQ*L10603*AKH*231013

Figure 147: Elevation 4 - Greg Rooms



JQ*L10603*AKH*231013

Figure 148: Elevation 4 - Greg Rooms showing laser scan data



JQ*L10603*AKH*231013

Figure 149: Elevation 5 - 1839 Weaving Block

South

North

1839 Weaving Block



ground line

gate

JQ*_L10603*AKH*231013

- Ground line
- Wood
- ⊗ × Wall brace
- Brick
- Stone
- Roof line
- Obscured

0 ————— 2.5 m
1:100 @ A3

Figure 150: Elevation 5 - 1839 Weaving Block showing laser scan data



Figure 151: Elevation 6 - 1836 Weaving Block

JQ*L10603*AKH*241013



JQ*L10603*AKH*241013

Figure 152: Elevation 6 - 1836 Weaving Block showing laser scan data

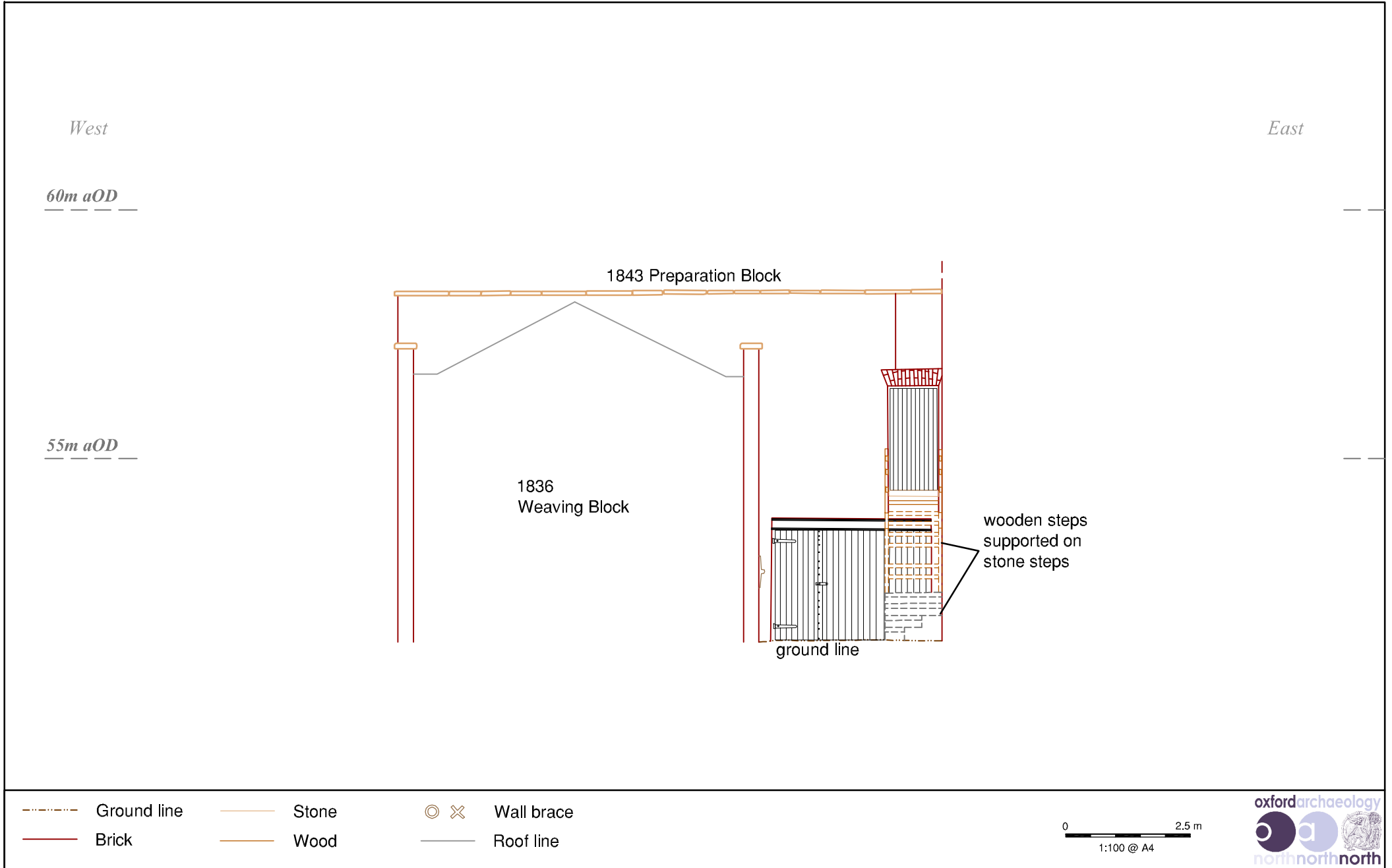
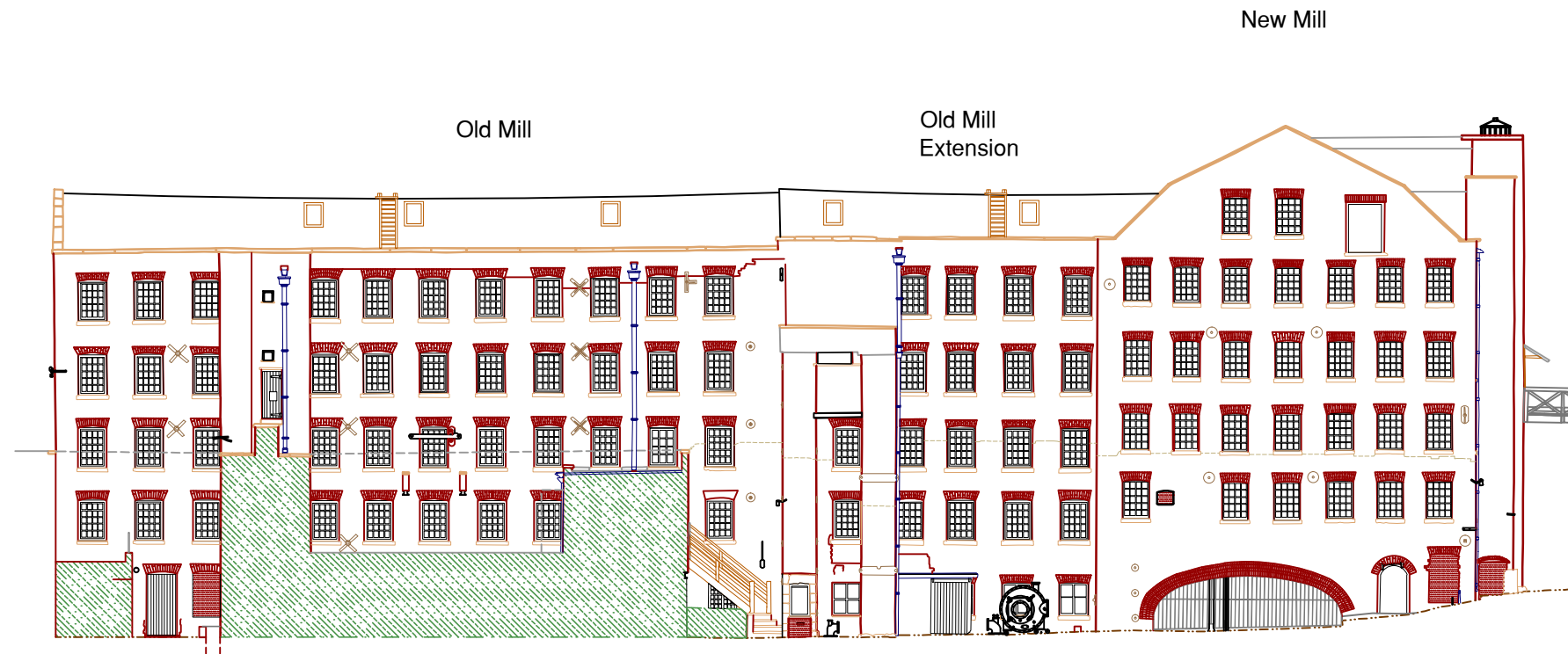


Figure 153: Elevation 7 - 1843 Preparation Block Southern Elevation

North

South



- | | | |
|-----------------|----------------|----------|
| --- Ground line | — Wood | Obscured |
| — Brick | ⊙ × Wall brace | Blocking |
| — Stone | — Roof line | |

0 5 m
1:250 @ A3

Figure 154: Elevation 8 - Old and New Mills, Western Elevation

North

South

New Mill

Old Mill

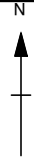
Old Mill
Extension



- | | | | | | |
|---------|-------------|-----|------------|-----|----------|
| —●—●—●— | Ground line | — | Wood | ▧▧▧ | Obscured |
| — | Brick | ⊙ ⊗ | Wall brace | ▤▤▤ | Blocking |
| — | Stone | — | Roof line | | |

0 ————— 5 m
1:250 @ A3

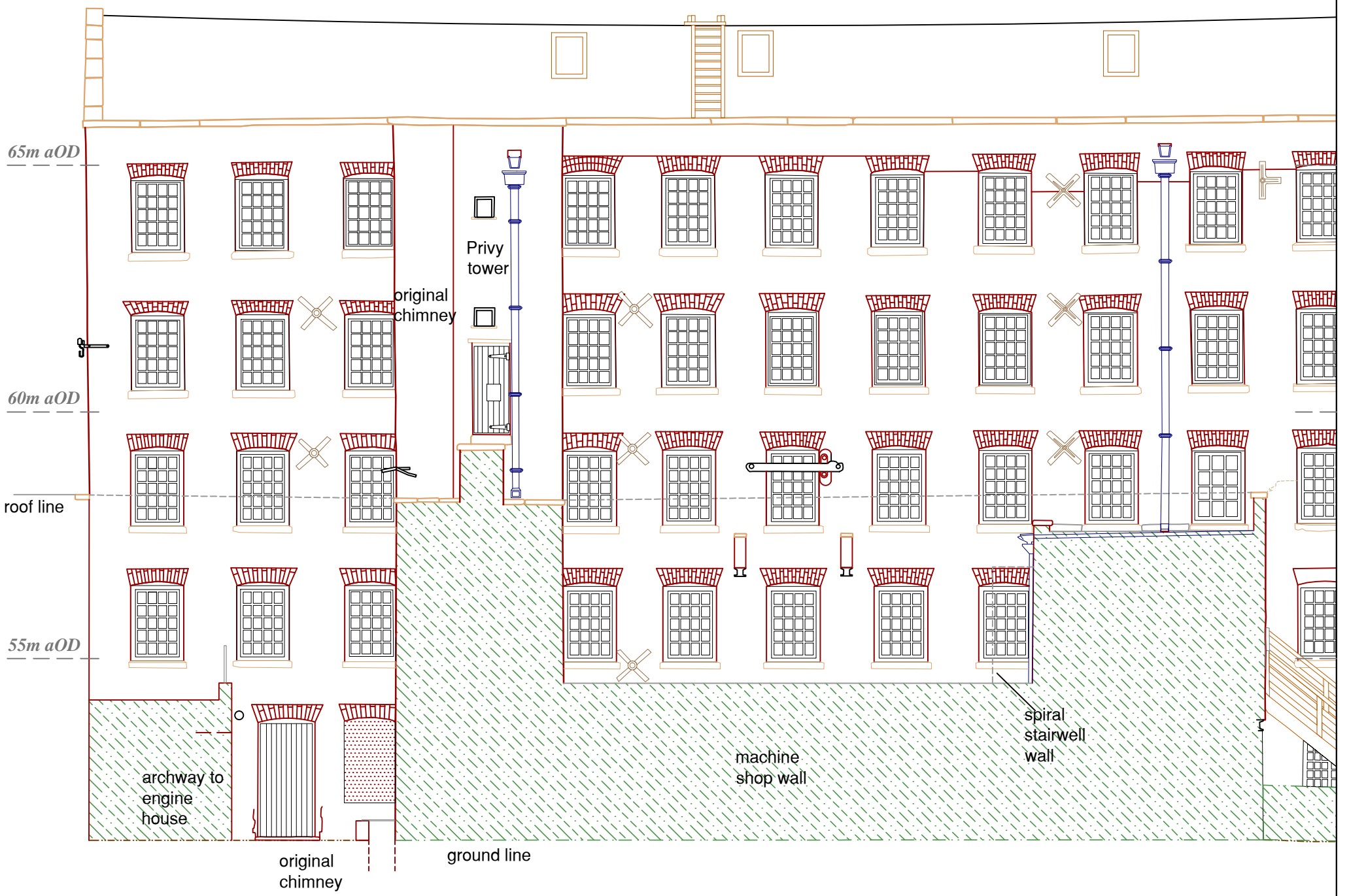
Figure 155: Elevation 8 - Old and New Mills, Western Elevation showing laser scan data



North

South

Old Mill

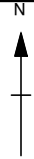


- Ground line
- Brick
- Stone
- Wood
- ⊙ ⊗ Wall brace
- Roof line
- Obscured
- Blocking

0 2.5 m
1:100 @ A3



Figure 156: Elevation 8 - Old Mill (North)



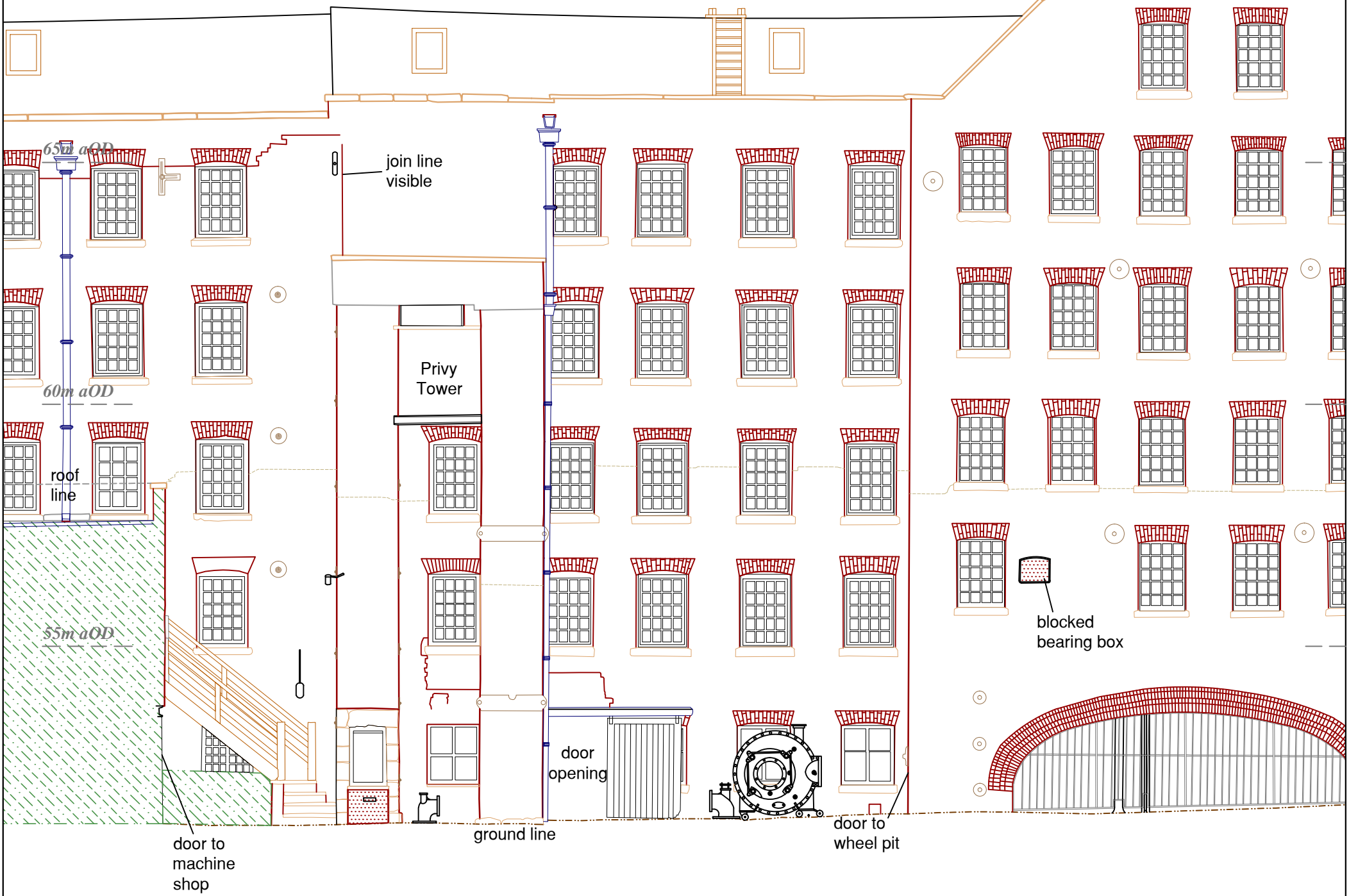
North

South

Old Mill

Old Mill Extension

New Mill



--- Ground line	— Wood	Obscured
— Brick	⊙ ⊗ Wall brace	Blocking
— Stone	— Roof line	--- Whitewash below line

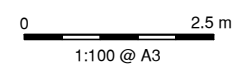
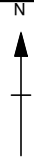


Figure 157: Elevation 8 - Old Mill Extension (Central)



North

South

New Mill

Old Mill Extension

service-lift tower

privy tower

'Y' shaped walkway

edge of 1839 Weaving Block

door

65m aOD

60m aOD

55m aOD

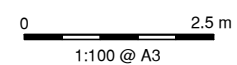
blocked bearing box

wheel supports

ground line

door way to wheel pit

- Ground line
- Wood
- ⊗ Wall brace
- Roof line
- Brick
- ⊙
- Stone
- ▨ Obscured
- ▤ Blocking
- Whitewash below line



1:100 @ A3



Figure 158: Elevation 8 - New Mill (South)

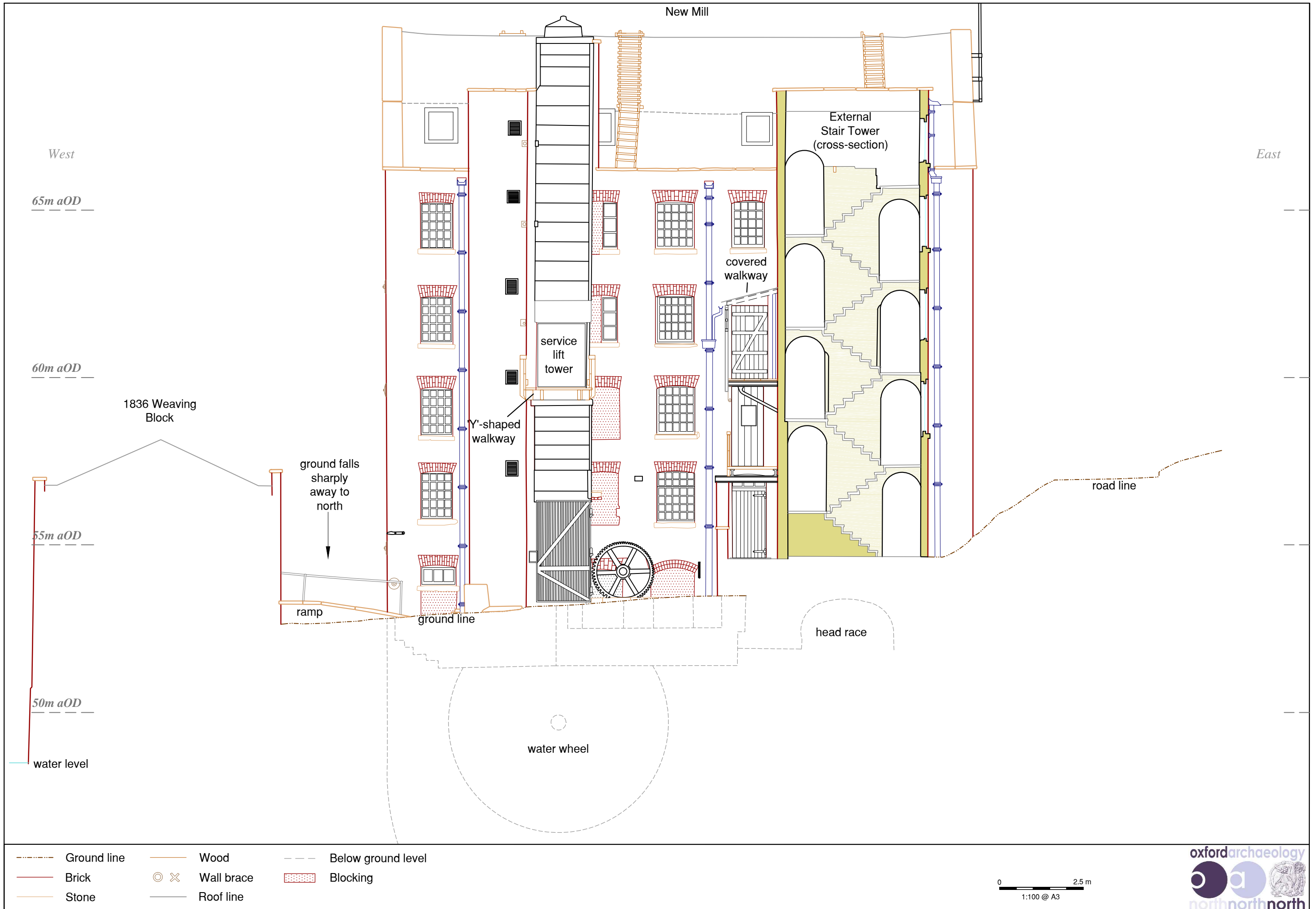


Figure 159: Elevation 9 - New Mill Southern Elevation and Cross Section through Stair Tower



JQ*L10603*AMS*251013

Figure 160: Elevation 9 - New Mill Southern Elevation and Cross Section through Stair Tower showing laser scan data

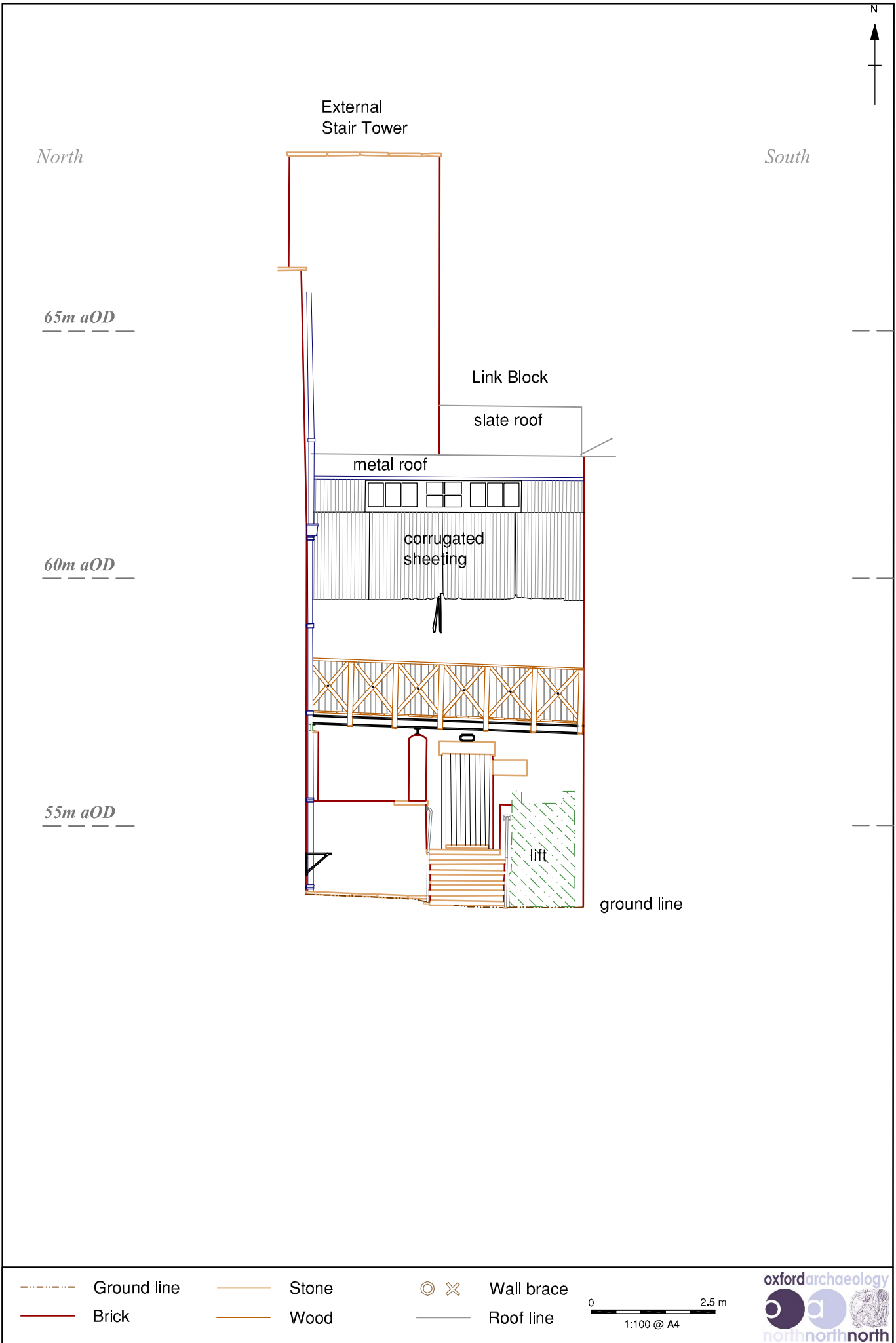
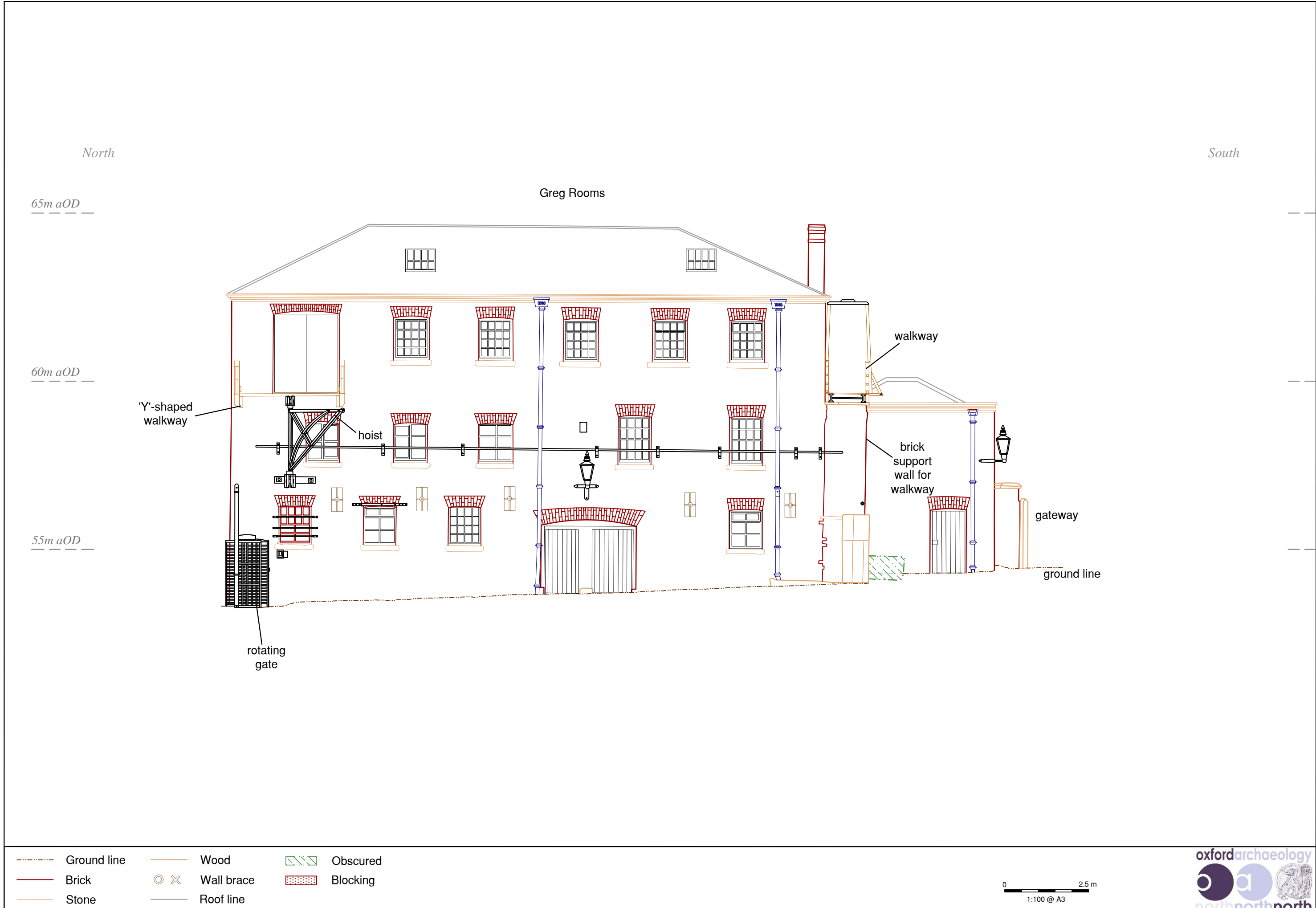


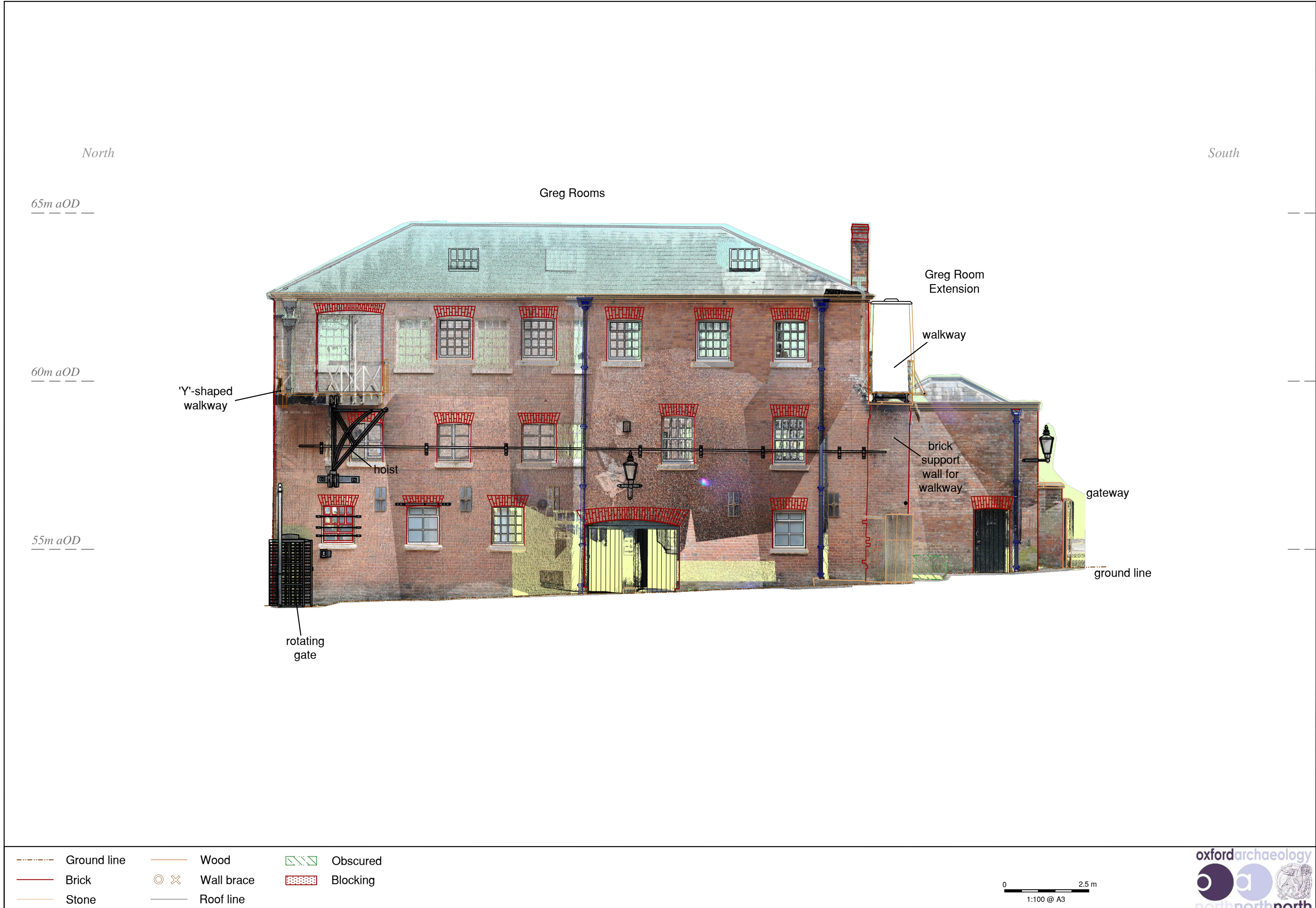
Figure 161: Elevation 10 - Stair Tower and Link Block Western Elevation

JQ*L10603*AMS*311013



JQ*L10603*AMS*251013

Figure 163: Elevation 12 - Western facing elevation of Greg Rooms



JQ*L10603*AMS*251013

Figure 164: Elevation 12 - Western facing elevation of Greg Rooms showing laser scan data



JQ*L10603*AMS*190314

— Cross Section location

0 10 m
1:500 @ A4



Figure 165: Location of Cross Sections

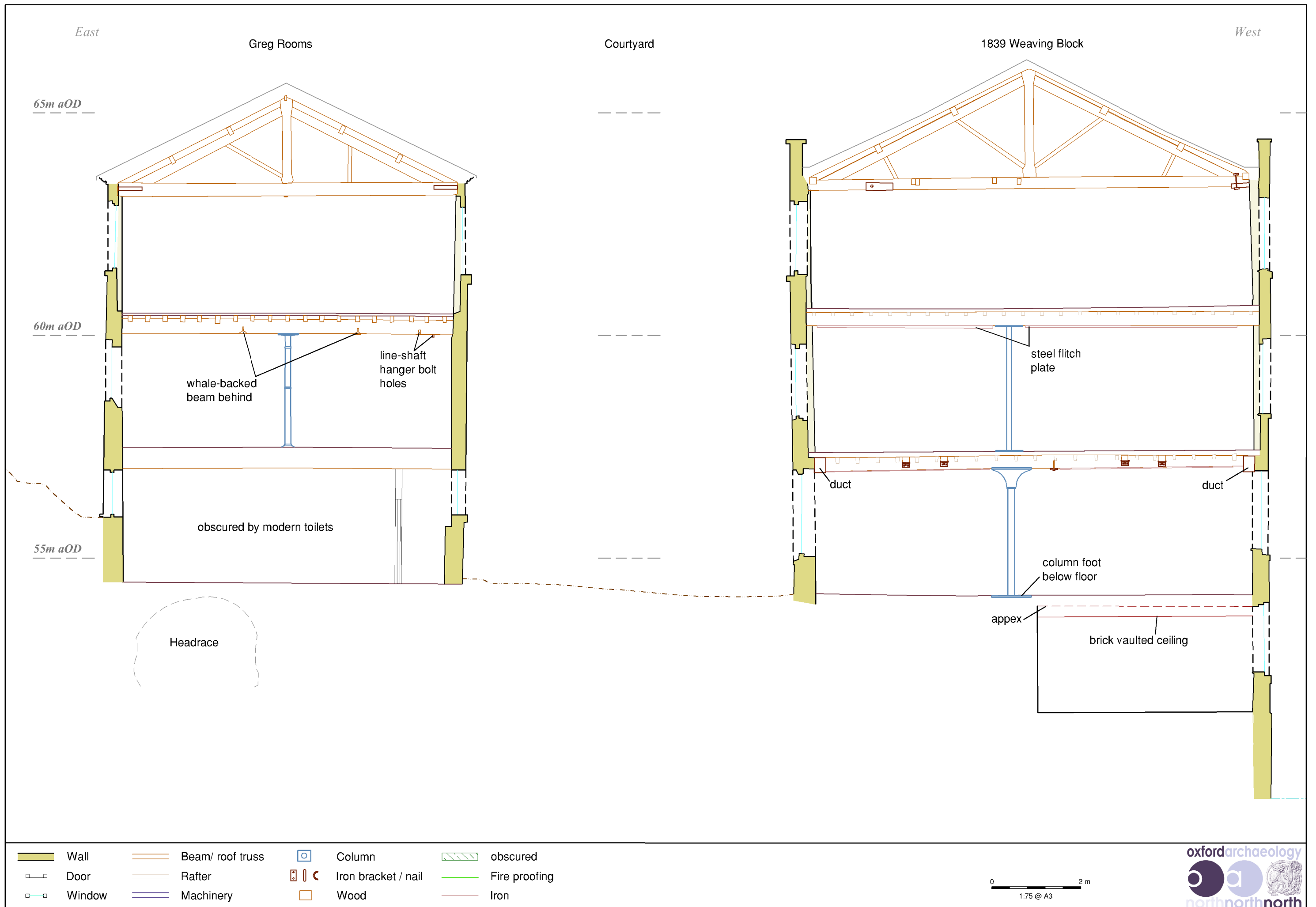


Figure 166: Cross-section 1 across 1839 weaving Block and Greg Rooms

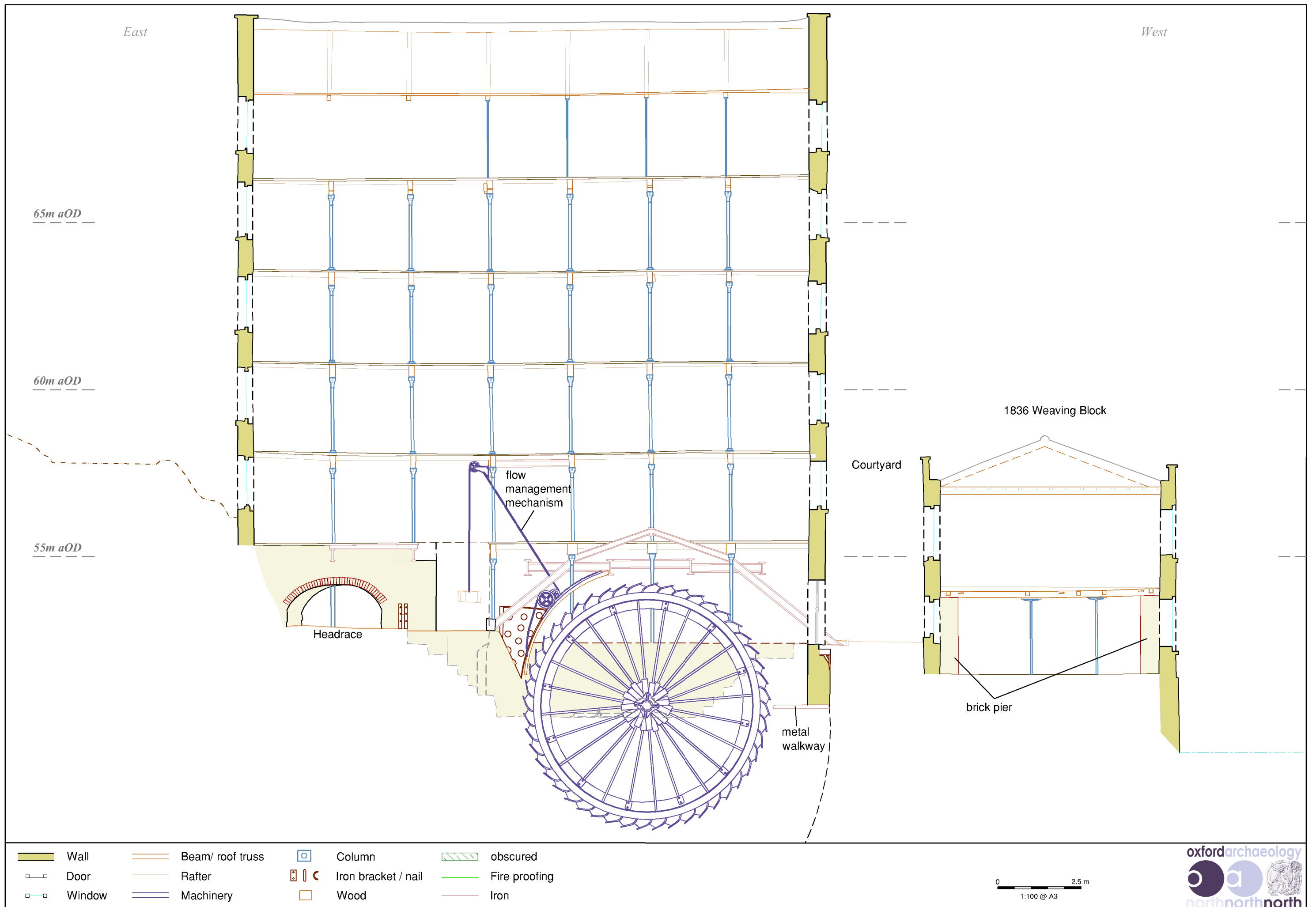


Figure 167: Cross Section 2 across New Mill and 1836 Weaving Block

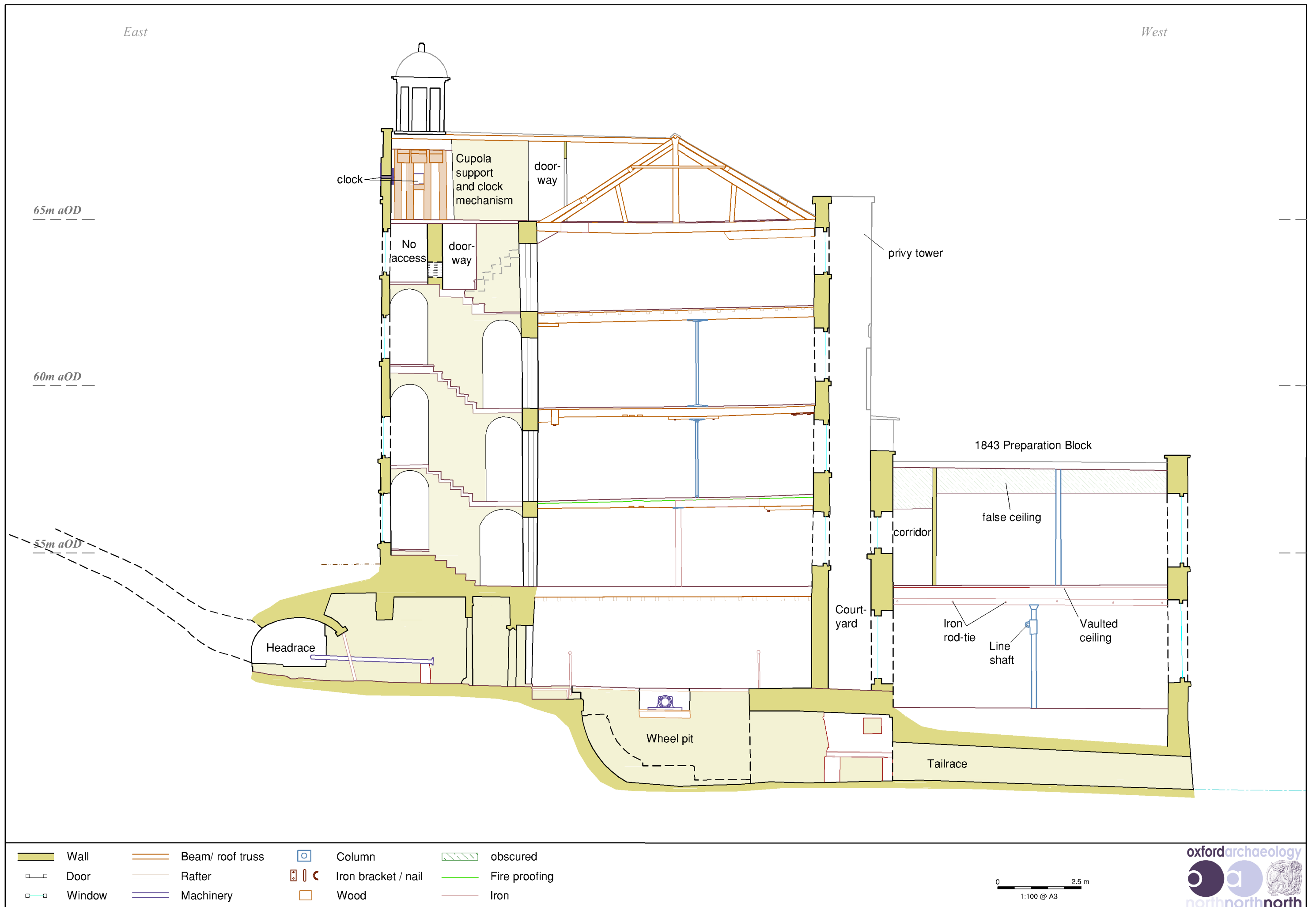
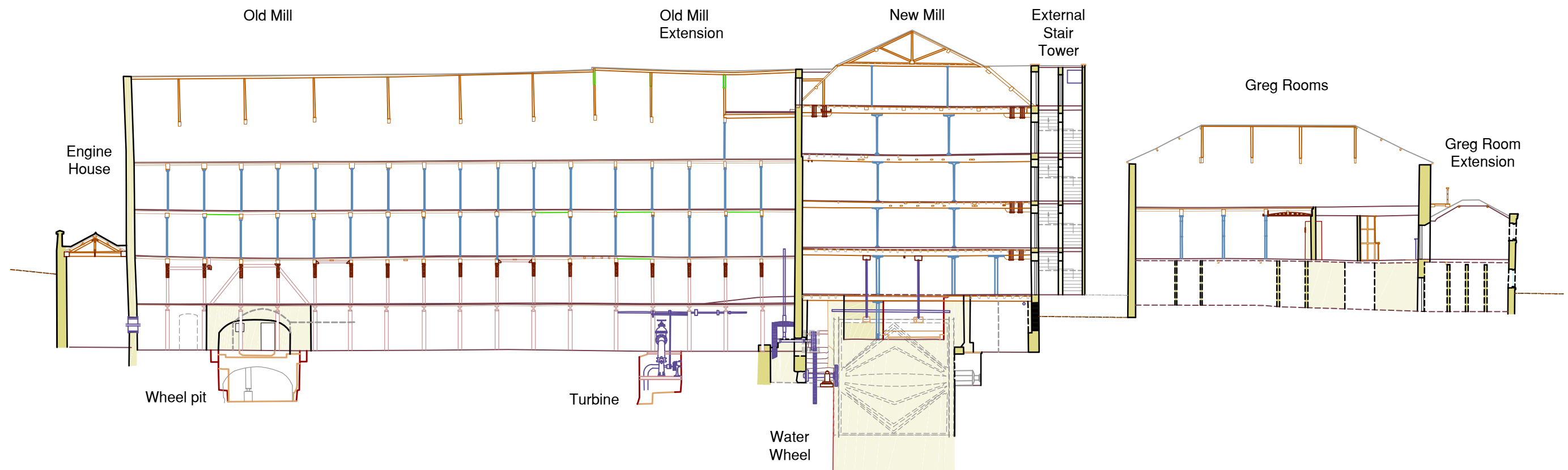


Figure 168: Cross Section 3 across Old Mill and 1843 Preparation Block

North

South



- | | | | |
|--------|------------------|---------------------|---------------|
| Wall | Beam/ roof truss | Column | obscured |
| Door | Rafter | Iron bracket / nail | Fire proofing |
| Window | Machinery | Wood | Iron |

0 5 m
1:250 @ A3

Figure 169: Cross Section 4 through Old Mill, New Mill and Greg Rooms

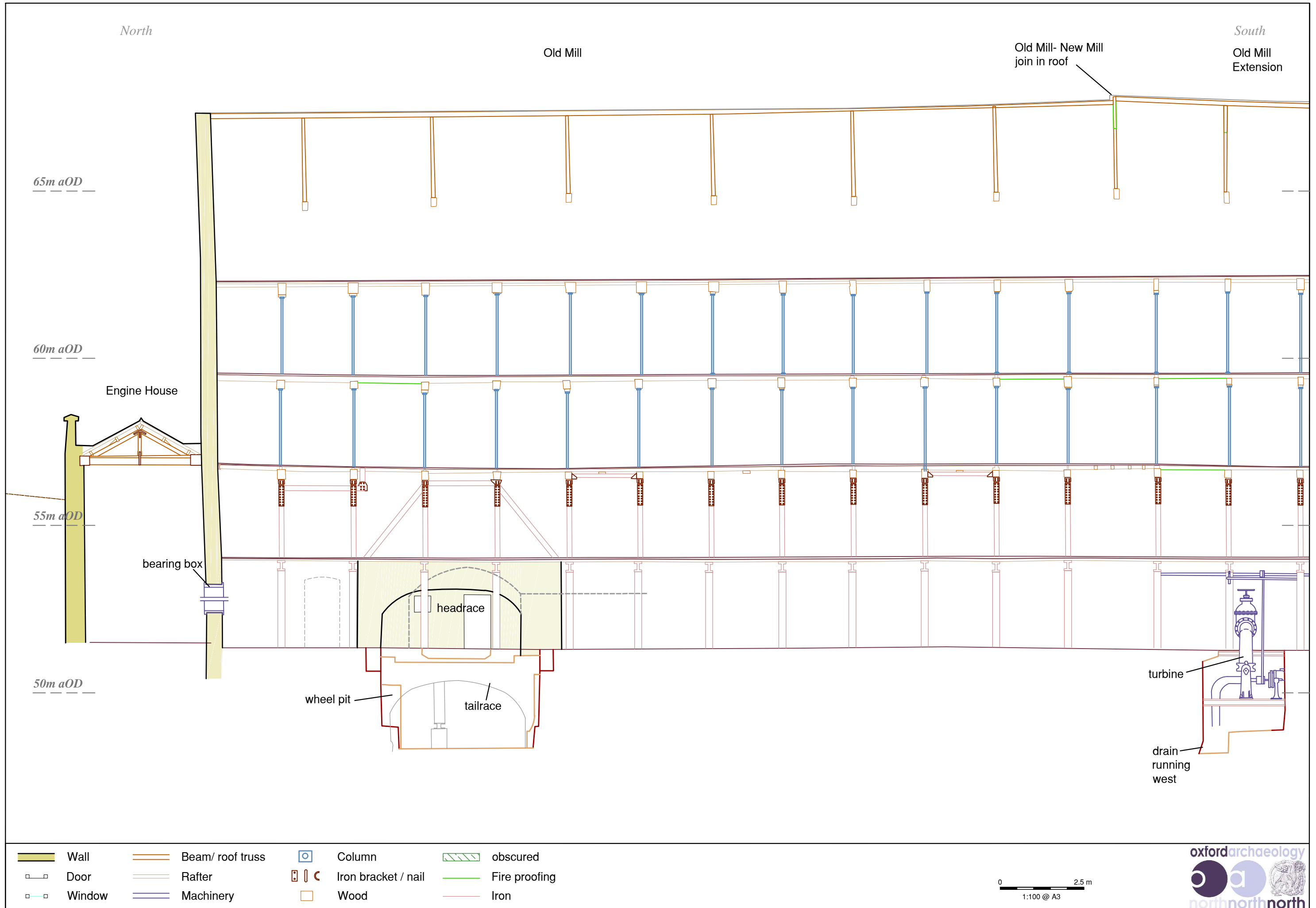


Figure 170: Cross Section 4 detail through Old Mill

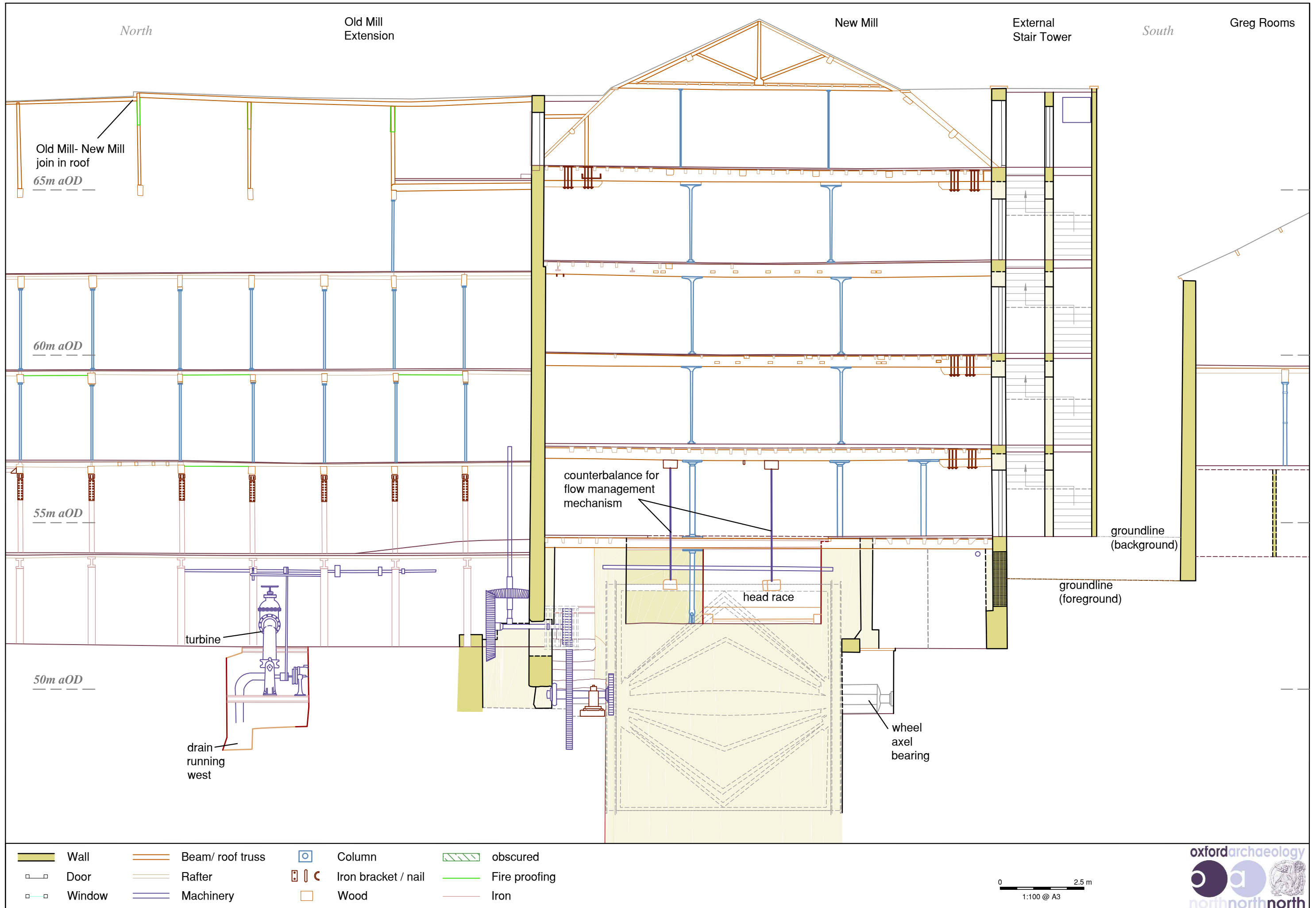


Figure 171: Cross-section 4 detail through New Mill

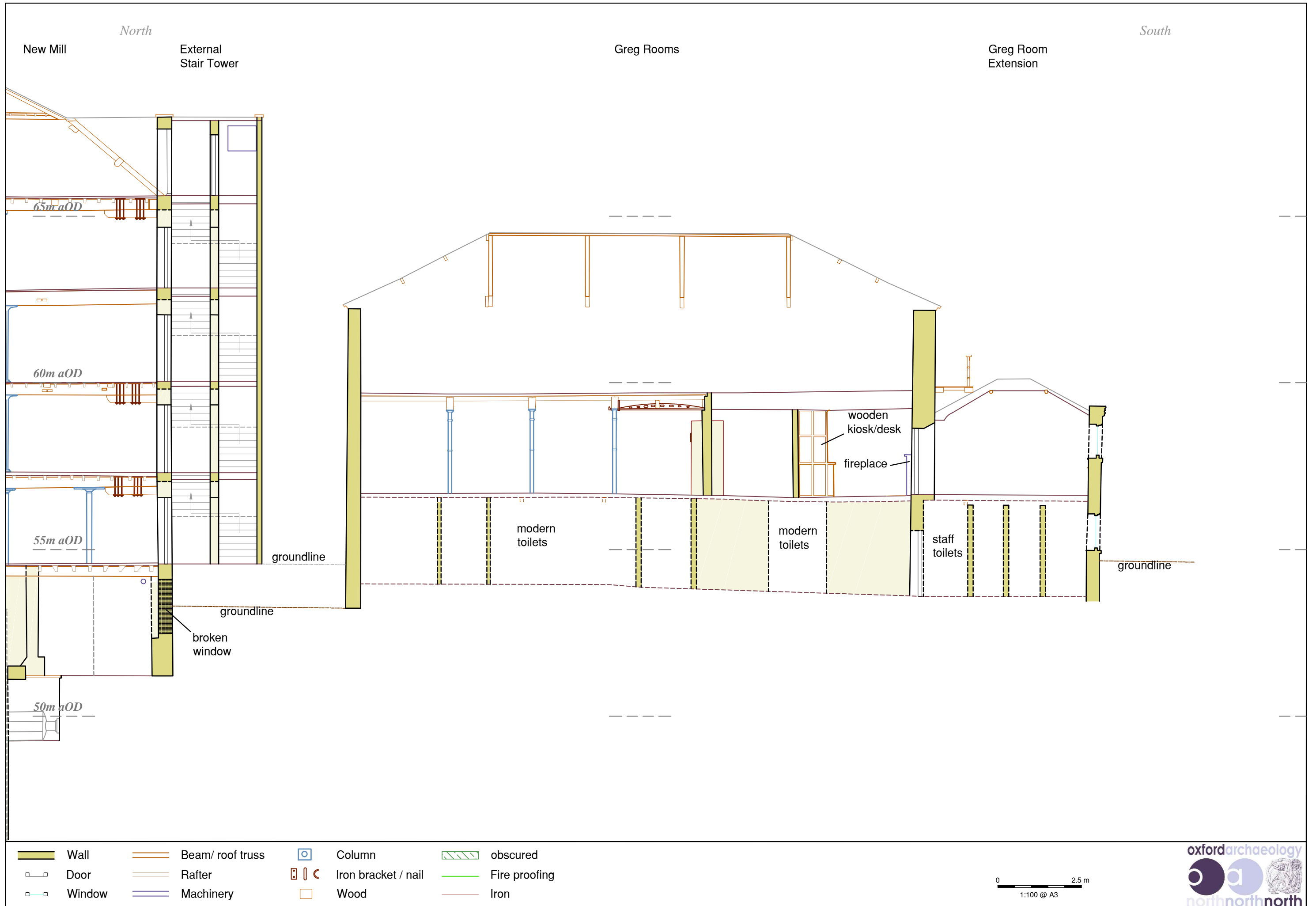


Figure 172: Cross-section 4 detail through Greg Rooms

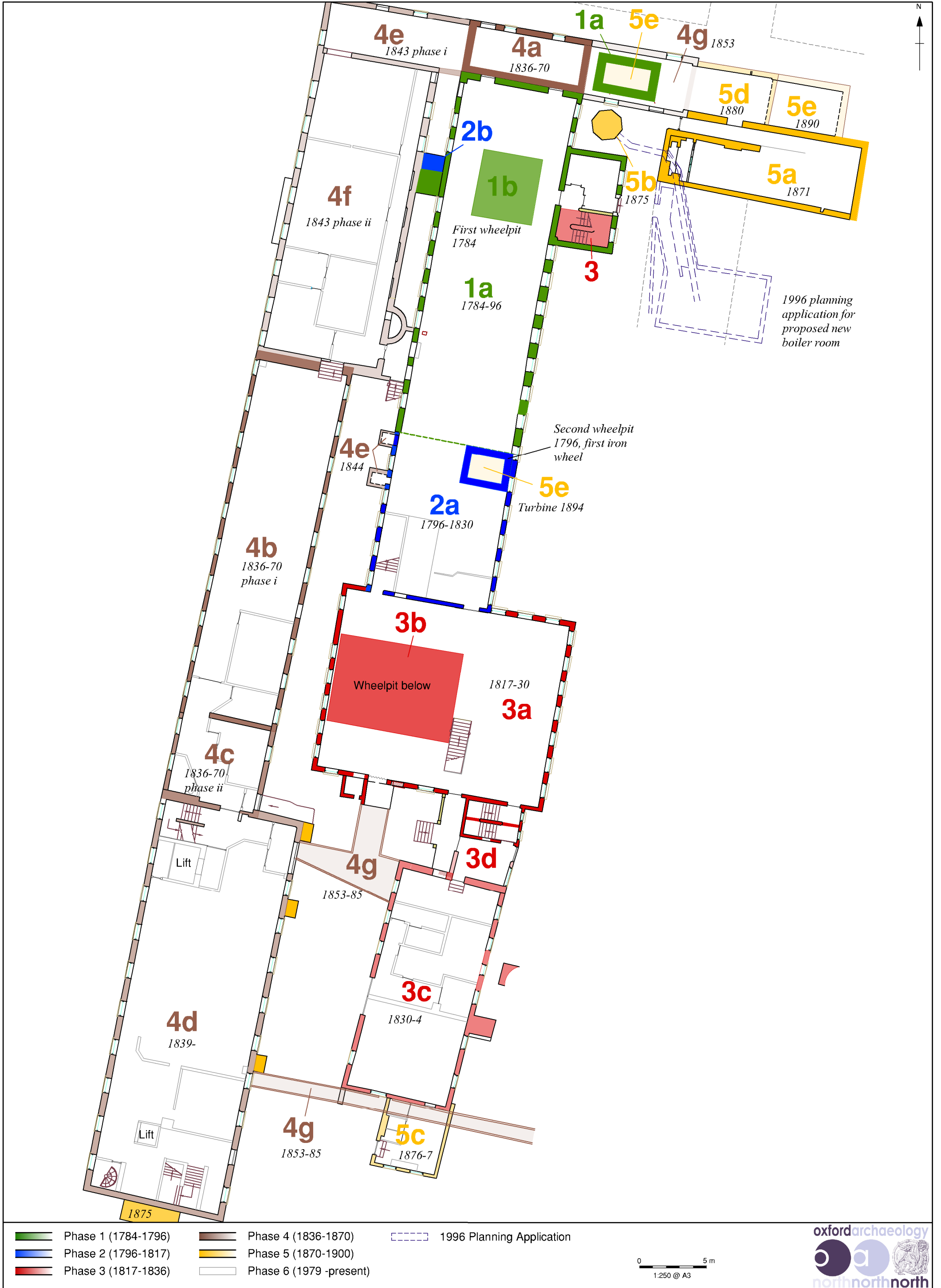


Figure 173: Quarry Bank Mill Phase plan

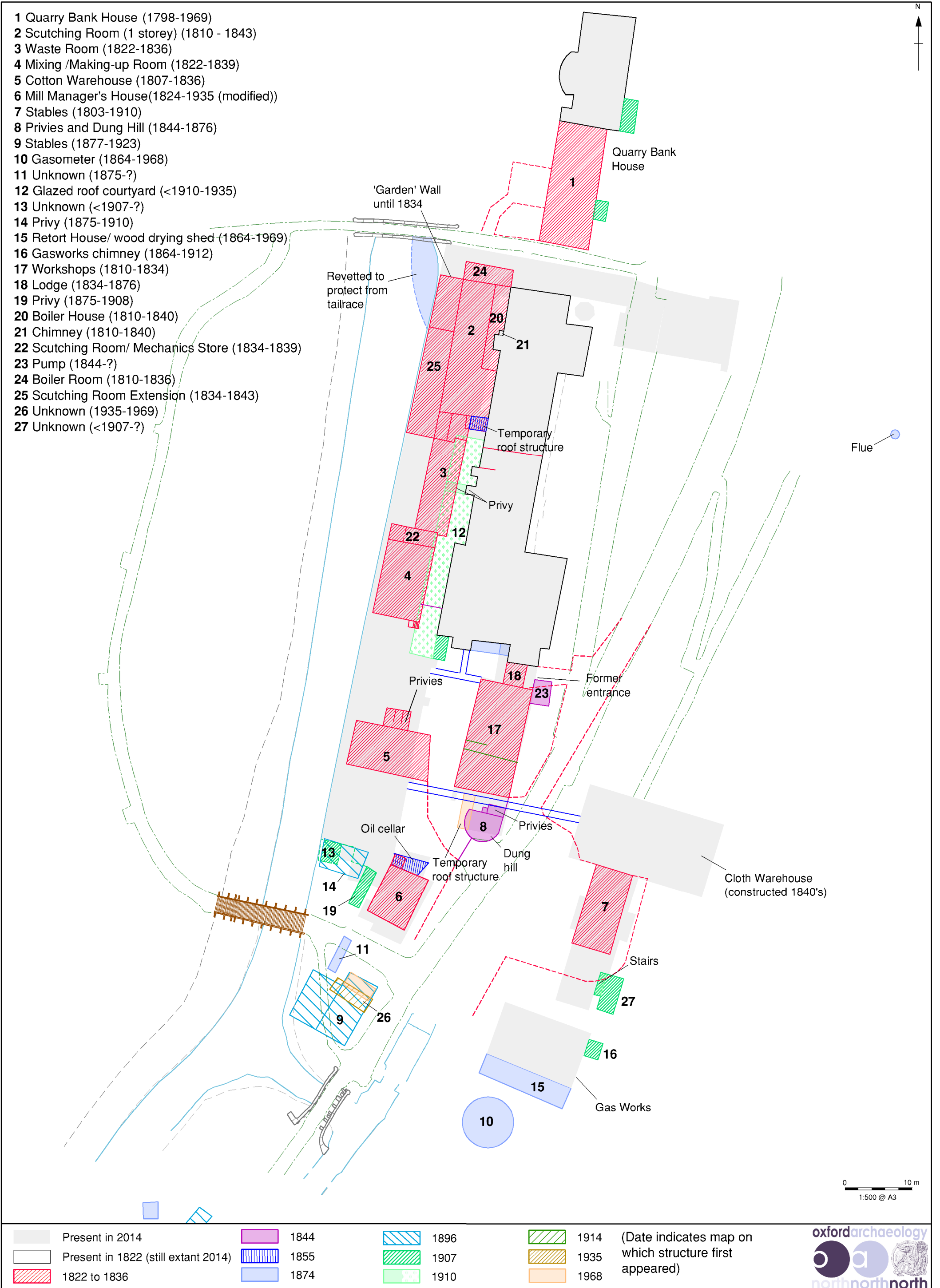


Figure 174: The Quarry Bank Mills Buildings that have been lost or replaced

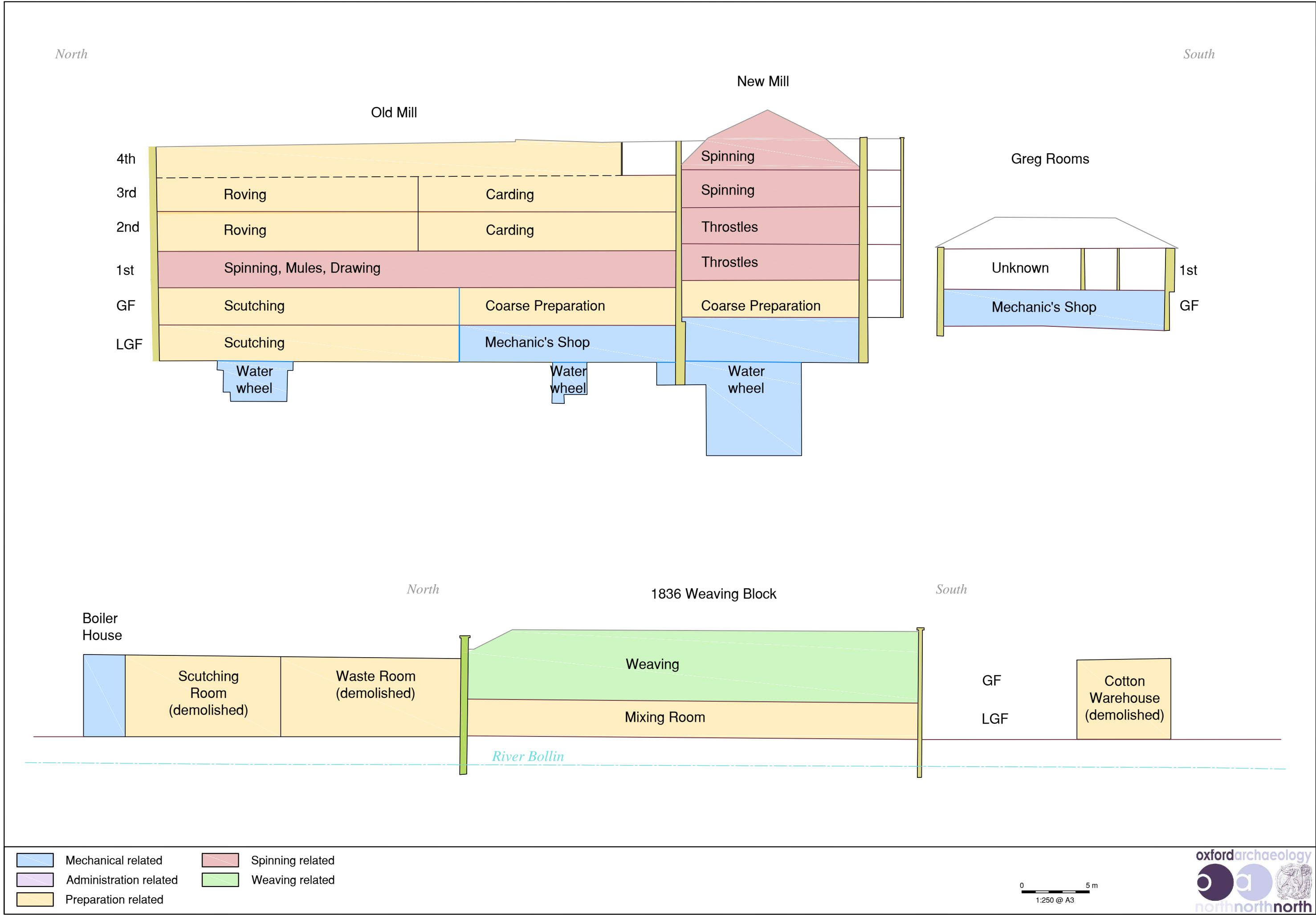


Figure 175: Room usage on cross sections through Quarry Bank Mill in 1836

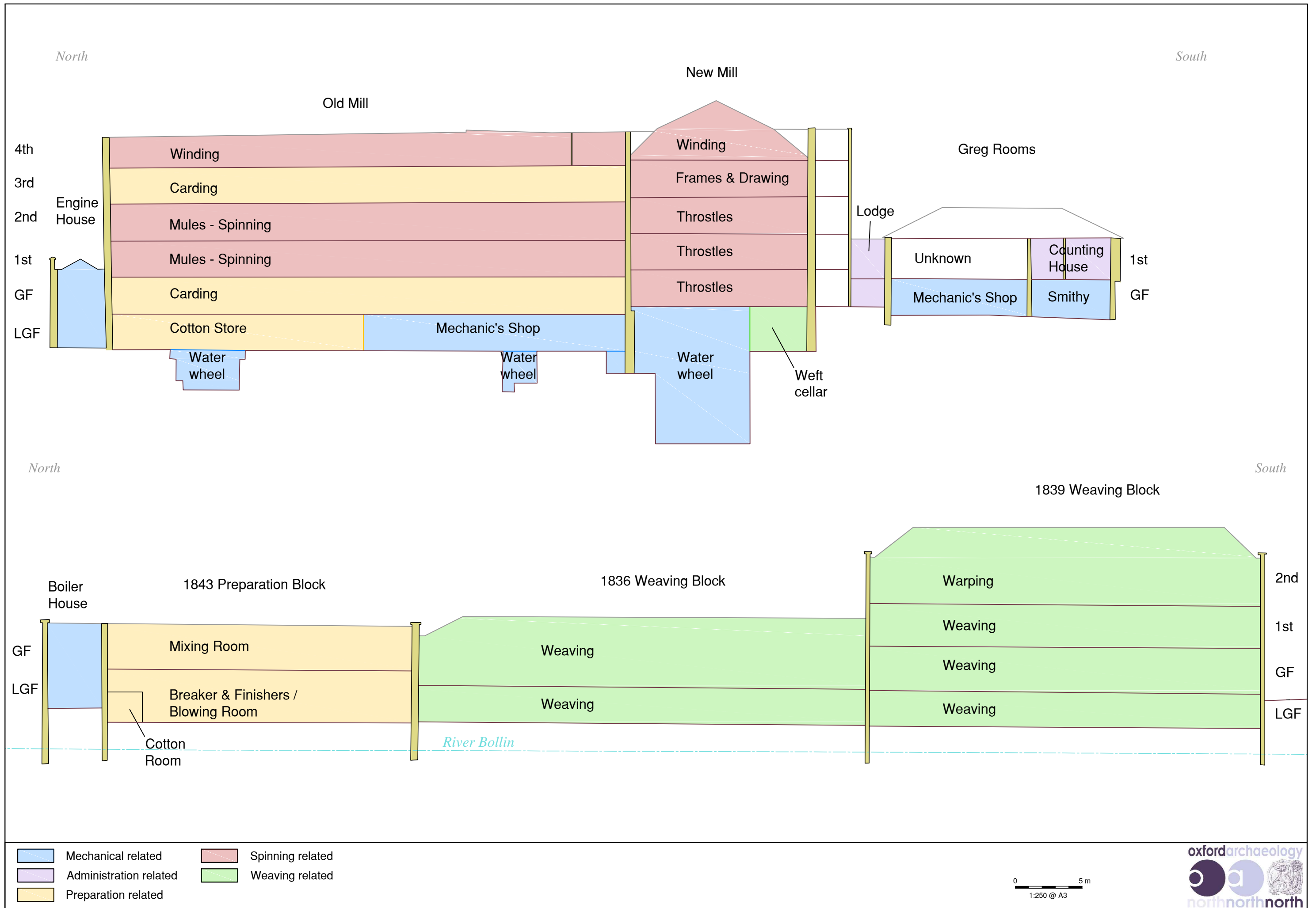
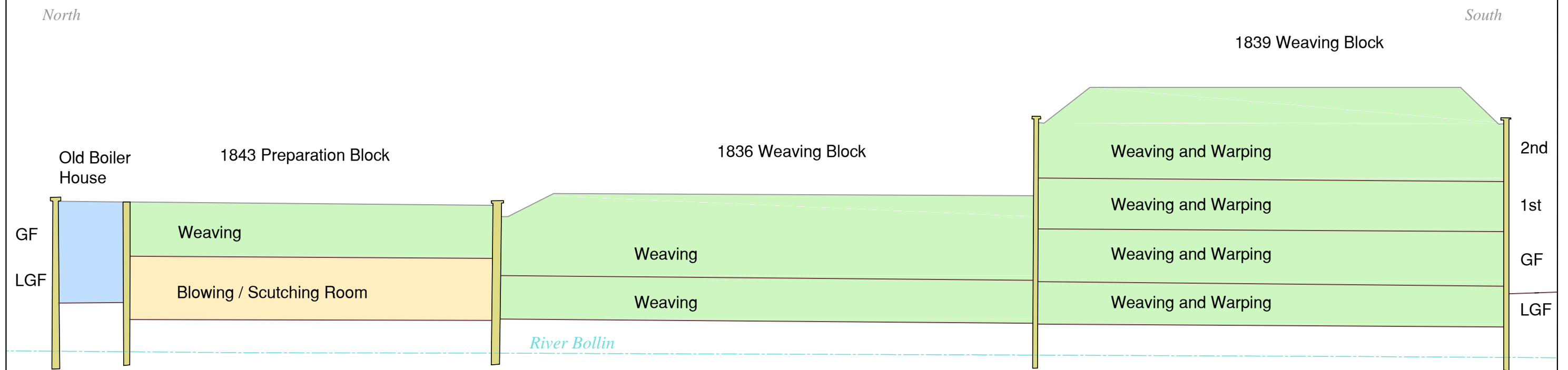
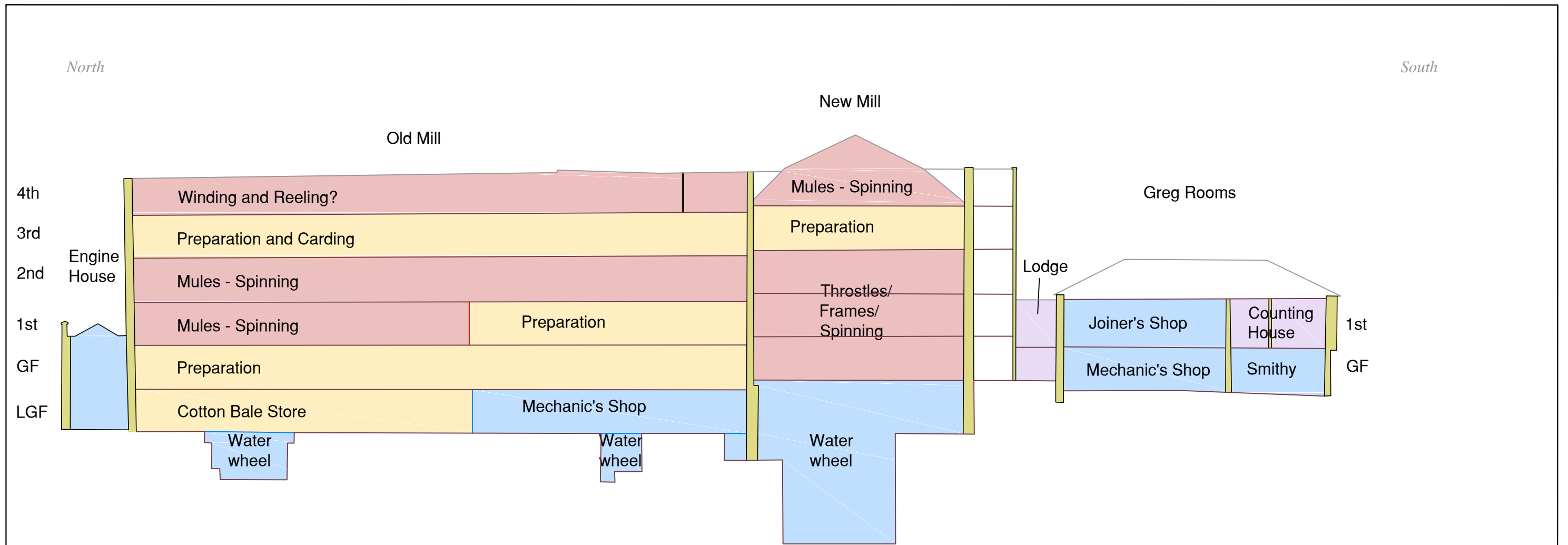


Figure 176: Room usage on cross sections through Quarry Bank Mill in 1844

JQ*L10603*AMS*110714

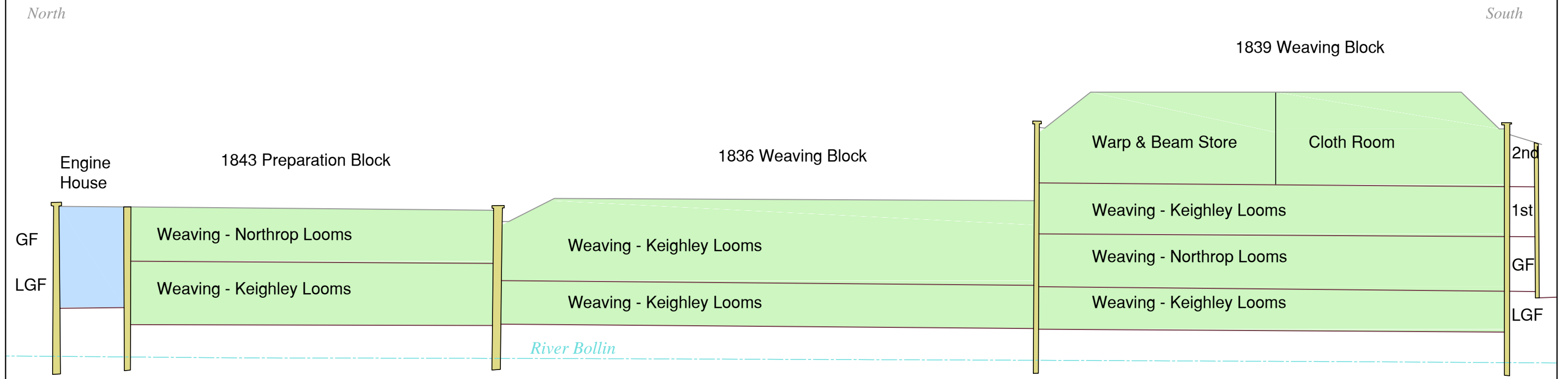
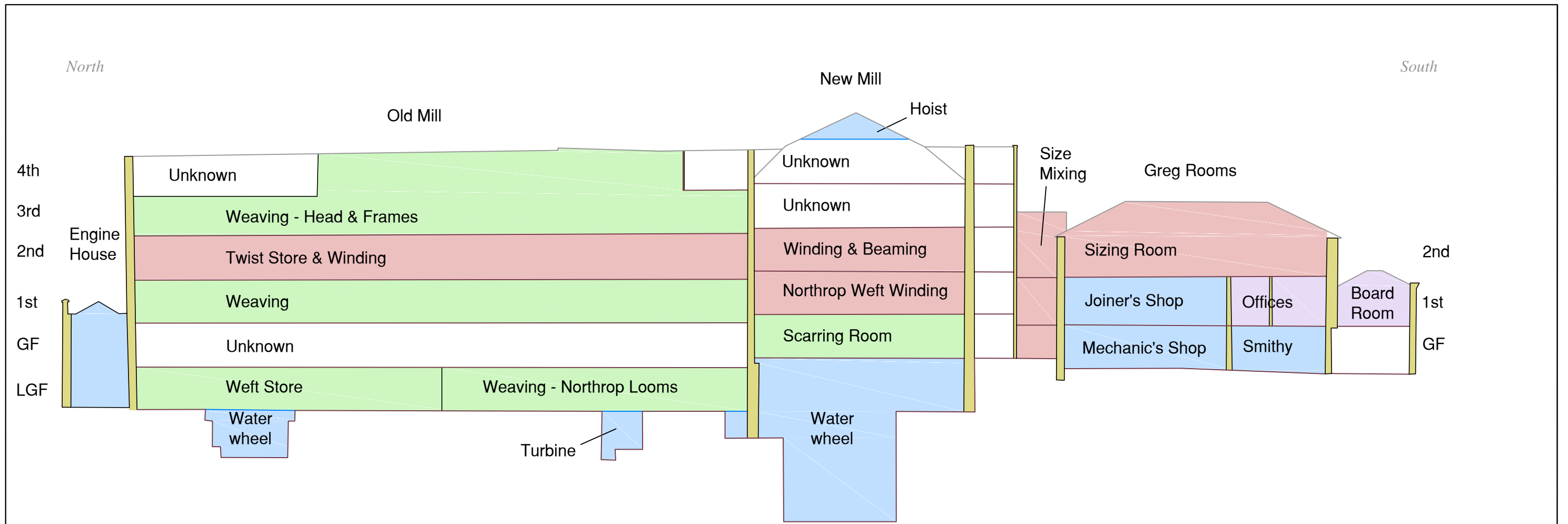


- Mechanical related
- Spinning related
- Administration related
- Weaving related
- Preparation related

0 5 m
1:250 @ A3

Figure 177: Room usage on cross sections through Quarry Bank Mill in 1855

JQ*L10603*AMS*110714



- Mechanical related
- Administration related
- Spinning related
- Weaving related
- Preparation related

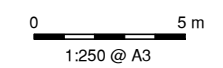


Figure 178: Room usage on cross sections through Quarry Bank Mill in 1922

JQ*LI0603*AMS*110714

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