



General Roof Notes:

Roof drainage to be syphonic.
 Extent of smoke vents to be confirmed.
 Roof access & maintenance to be confirmed.

Roof Access:

2 x routes at Visitors Centre location close to plant.
 Site operator to be responsible for safe access and egress away from this location when access required.
 No roof ductwork shown on this drawing, only indicative route for an allowance to be made.

Legend:

R1: Profiled 32-100 or similar double-sheet cladding HPS2000 ultra coating both sides with integrated polycarbonate rooflights at transparency percentage as indicated below. All rooflights must provide a weighted sound reduction index of 17dB(RW).

R2: Kingspan system reference KS1000Rw/80+1+PL / Tata Steel Trisomet 333 System or similar, to provide a weighted sound reduction index of 32dB(RW).

Integrated polycarbonate rooflights at no more than 5 percent, which must provide a weighted sound reduction index of 20dB(RW).

The roof as a whole must achieve a minimum composite weighted sound reduction index of 31dB(RW).

R3: Kingspan system reference KS1000Rw/80+1+PL, or similar, with integrated polycarbonate rooflights at transparency percentage as indicated below. All rooflights must provide a weighted sound reduction index of 17dB(RW).

R4: 'Green' roof (extensive) build up over steel lining.

Acoustic:

Product Storage/ De-Stoner building & Processing Hall have strict acoustic requirements; must provide a weighted sound reduction index of 32dB(RW) with no more than 5 percent transparency which must achieve a weighted sound reduction of 20dB(RW). The roof is to achieve a minimum composite weighted sound reduction index of 31dB(RW).

Transparency Percentages:

Maturation Halls:	Approx. 7 percent.
Reception Hall:	Approx. 15 percent.
Crane Hall:	Approx. 24 percent.
Product Storage/ De-Stoner	No more than 5 percent
Processing Hall	No more than 5 percent



Courtauld Road MBT Facility

Title: MBT Facility
 Roof Plan

Drawing No: PLA_005

Scale: 1:500 @ A1