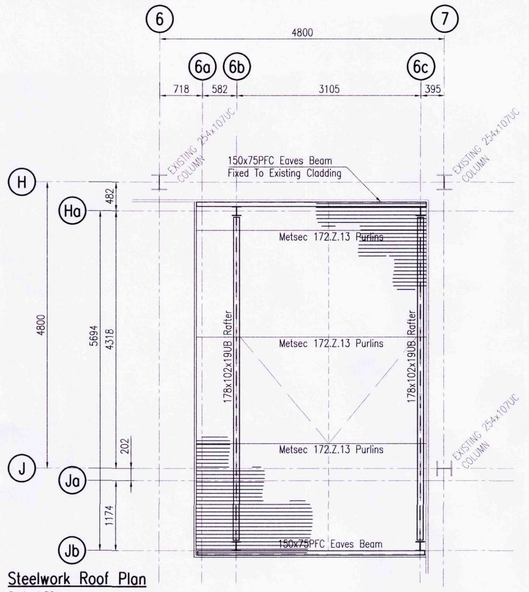
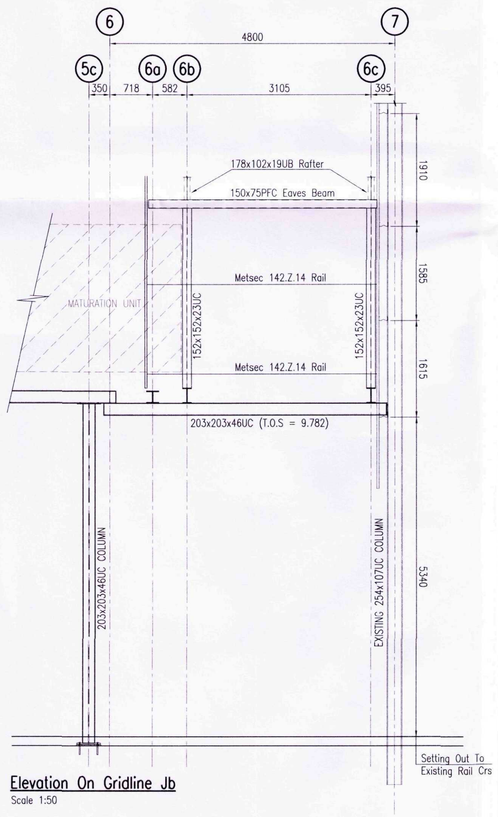
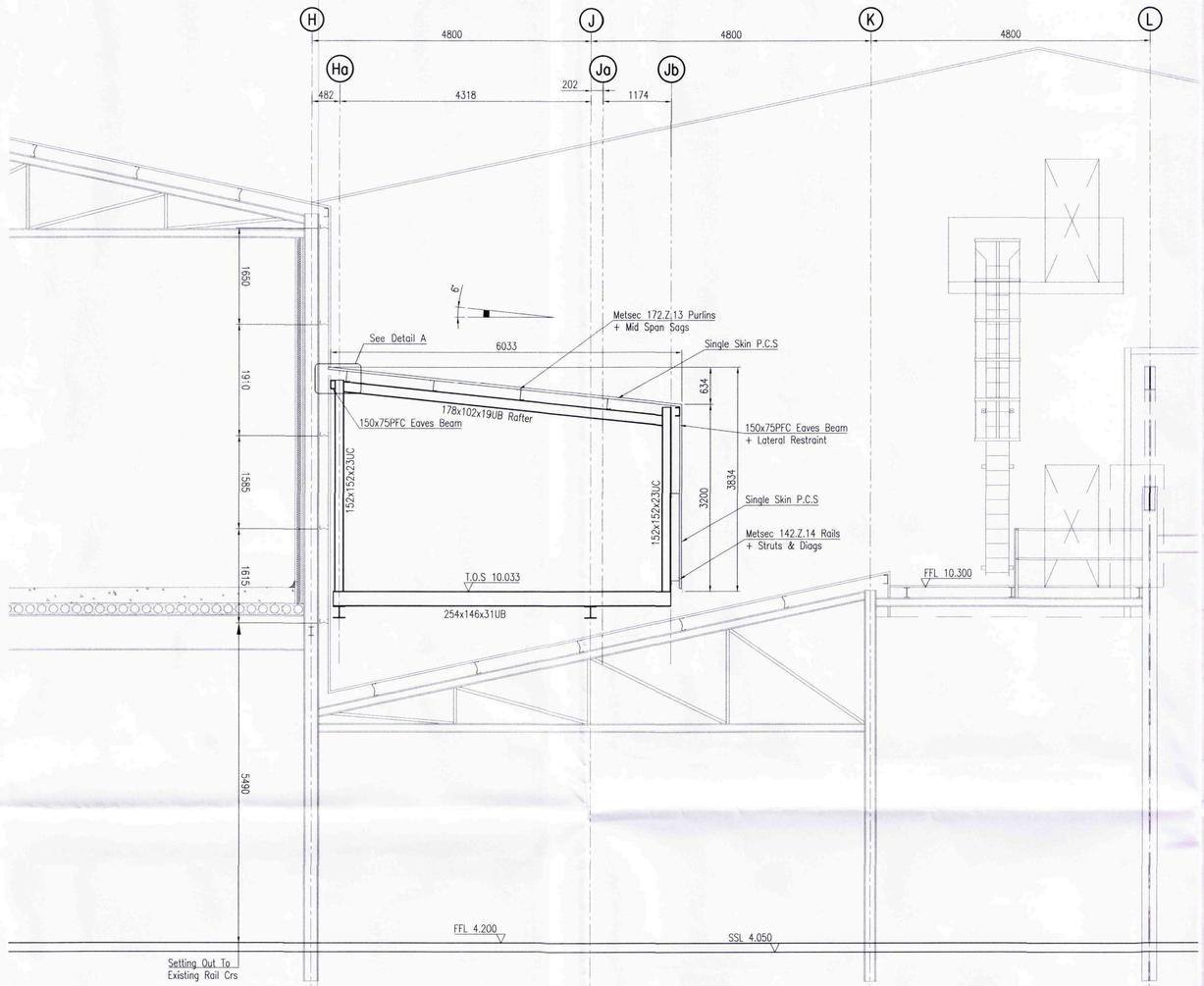
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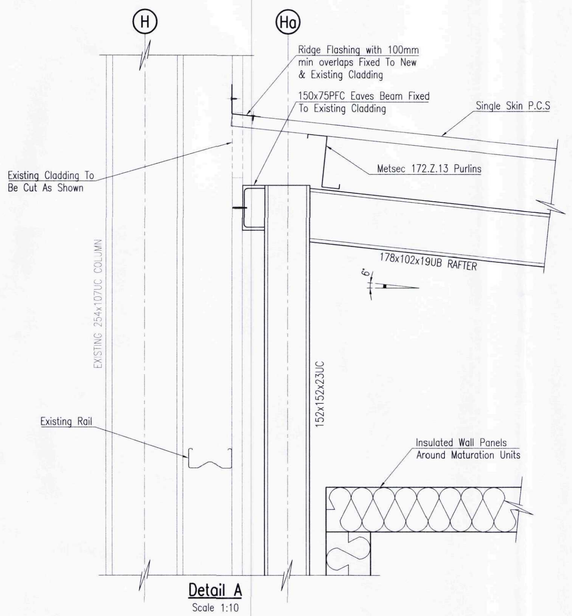
Steelwork Roof Plan
Scale 1:50



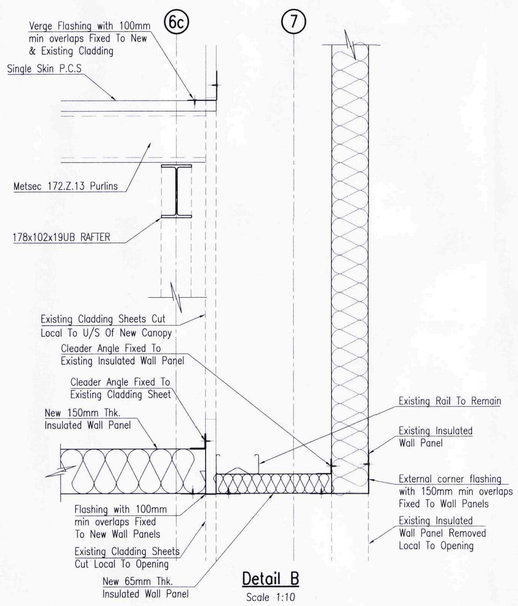
Elevation On Gridline Jb
Scale 1:50



Section Through Gridline 6b – 6c
Scale 1:50



Detail A
Scale 1:10



Detail B
Scale 1:10

THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS & STRUCTURAL CALCULATIONS

STRUCTURAL STEELWORK NOTES

1) Structural steel shall be to BS 4 for hot rolled sections and to BS 4848:Part 2 & 4 of hot rolled hollow sections and angles respectively.
2) Hot rolled sections shall normally be Grade Fe 430B to BS EN 10 025 except hollow sections which shall be Grade S275J2H or S355J2H to BS 10210–1 and shall be free from loose rust, scale and pitting and be truly straight and of uniform section throughout.
3) Mild steel bolts, nuts and lock nuts shall conform to BS 4190 (Black hexagon bolts) and BS 3692 (Precision hexagon bolts) or BS 4933 (Black cup and countersunk head bolts) as appropriate. Washers shall be in accordance with BS 4320.
4) Washers shall be provided to all bolted connections.
5) The threaded portion of each bolt shall project through the nut for at least one thread.
6) Connections made with single bolts shall not be allowed except where specifically approved.
7) End connections to diagonal bracings using 2 No. bolts in which 1 No. bolt is placed in a slotted hole formed in the end cleat is not allowed unless verified by an engineer.
8) Welding shall be by Metal–Arc welding in accordance with BS 5135. All appropriate clauses of that standard shall be taken as incorporated therein.
9) Electrodes for Manual Metal–Arc welding shall be in accordance with BSEN440 & the shielding of gas is to comply with BS4105.
10) Fabrication shall be in accordance with BS 5950.
11) When hot rolled sections are cut to length during fabrication, the cut length shall be inspected for evidence of weakness caused by internal laminations. Any pieces containing such laminations shall be discarded and shall not be used on the structure.
12) The erection of structural steelwork shall be in accordance with BS 5950:Part 2 and BS 5531.
13) During erection the work shall be securely restrained by temporary bracings, strutting or fixings necessary to resist all erection forces, wind sway and temporary construction loads.
14) No steel member shall be bent, deformed or subject to undue stress prior to usage.

SHDC
Planning & Development
14 JUN 2011
Ref: 0451-11

Rev	Date	Remarks

Status: FOR ESTIMATING

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Project: Dry Cured Beef Project
At Woodhead Bros.
Meat Processing Plant
Wardentree Lane, Spalding

Title: Proposed Steelwork Plans & Details (Sheet 2)

Date	May 2011	Scale	1:50, 1:10 @A1
Drawn	AS	Checked	SRC
Design	MAS	File Name	17711-04

DRG No. 17711/04 Rev -

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