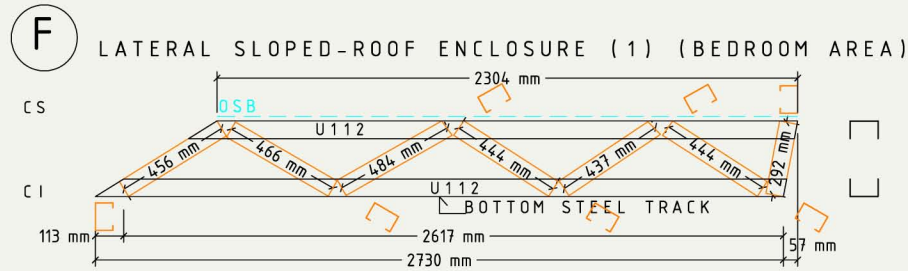
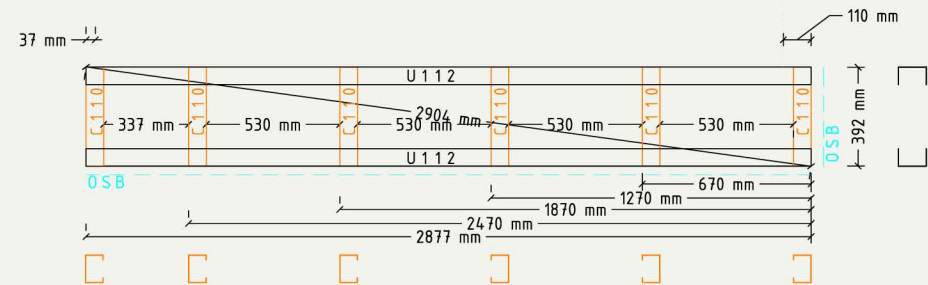
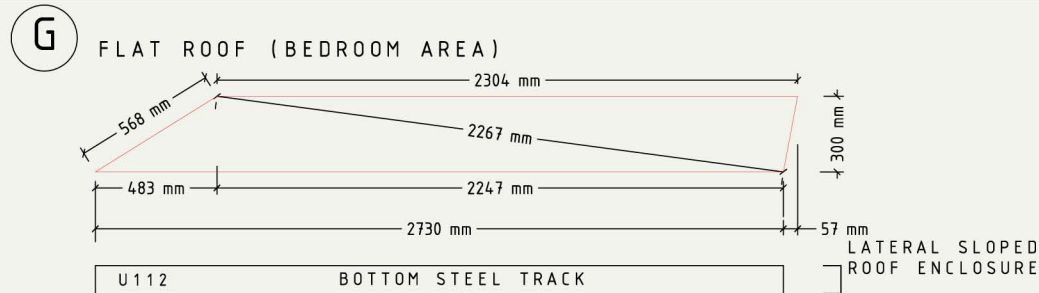
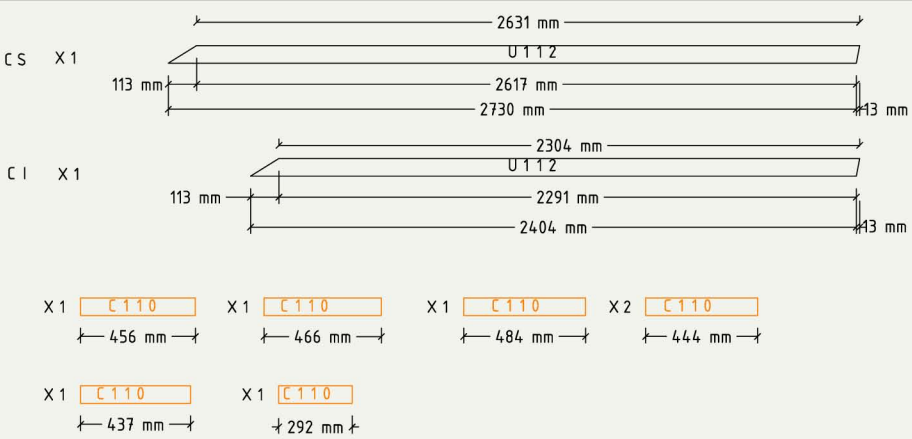


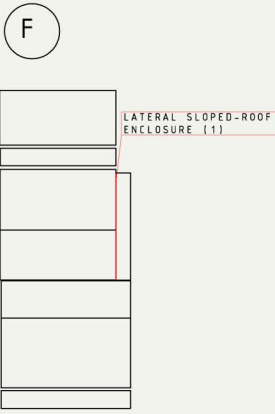
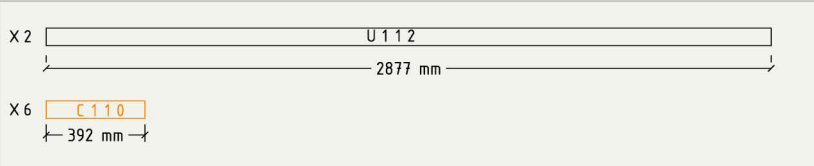
AREA 3
FLAT ROOF LAYOUT (BEDROOM AREA)



STEEL FRAME ELEMENTS(F)

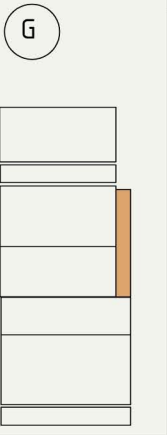


STEEL FRAME ELEMENTS(G)



LATERAL SLOPED-ROOF LAYOUT

FLAT ROOF LAYOUT

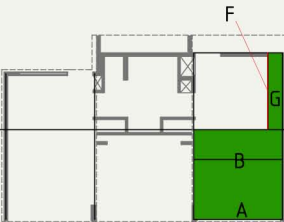


BEDROOM ROOF LAYOUT



S - 2 2

DATE : 08.04.2005



SCALE_1:30



DESIGNER
COORDINATOR
SUPERVISOR
CONSTRUCTION MANAGER
ARCHITECTURE MANAGER
GENERAL COORDINATOR

LETICIA RO-BER
plan designer

CARLOS BERMEJO
design coordinator

MIGUEL GOMEZ
general coordinator

JOE WORCESTER
professional engineer

ALFONSO GARCÍA-SANTOS
construction manager

JAVIER NEILA
architecture manager

ESTEFANÍA CAAMAÑO
general coordinator



Universidad Politécnica de Madrid (UPM)

05/11

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1:30

STEEL FRAMING: ROOF LAYOUT