ARUP

(1)

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Fax To: GOURGOUBÈS

Fax No:

Attn: HUMBERT

cc: ALEX @ RFR

From: ANDY SEDGWICK

Subject: T.P.L.

Date: 24.5.91

Ref/Job no: 5099/86

Total Pages: 5
(including this page)

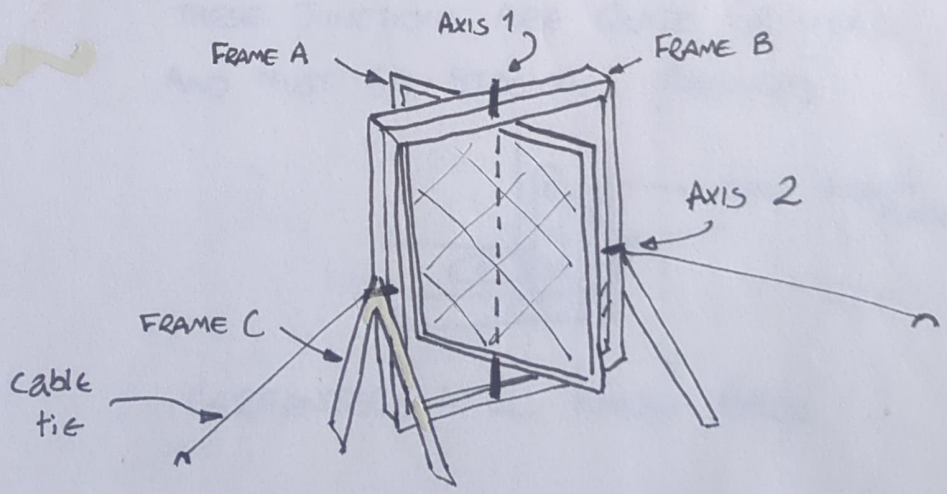
If you have not received all the pages listed please phone the sender

Message

HUMBERT,

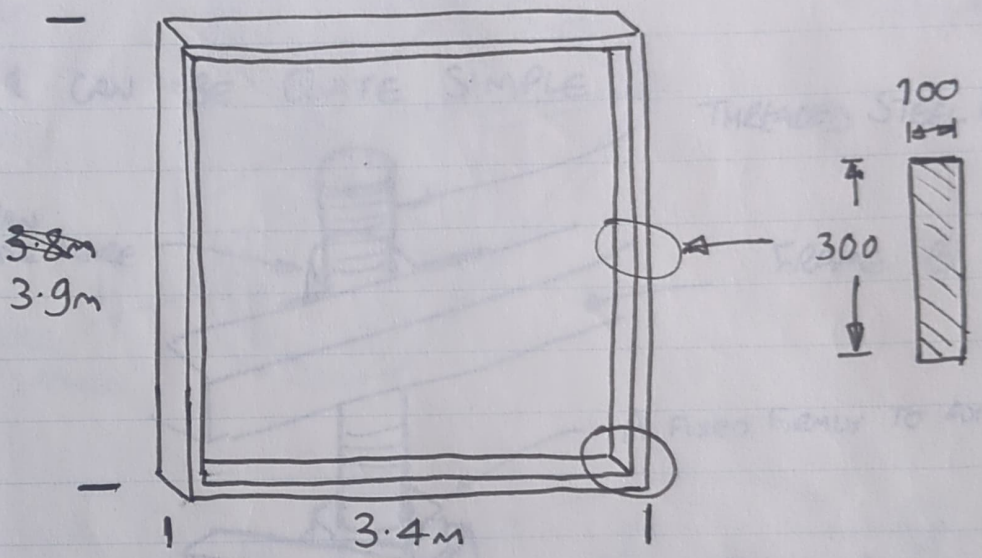
I'VE SEEN RECENT FAXES FROM ALEX SHOWING DESIGNS FOR THE SUPPORT OF "KEPLER" MIRRORS.

I THOUGHT I WOULD TRY TO ADD A FEW DIMENSIONS AND ROUGH SIZES SO THAT YOU CAN PURCHASE THE WOOD:

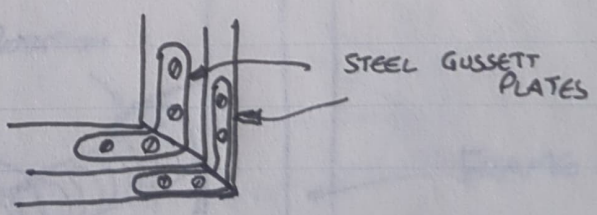


FRAME A IS PART OF THE MIRROR SHELL, AND CONSISTS OF THE EDGE BEAMS DESCRIBED IN LORRAINE'S FAX.

FRAME B MUST ALLOW THE FREE MOVEMENT OF FRAME A INSIDE IT, AND MUST BE QUITE RIGID:

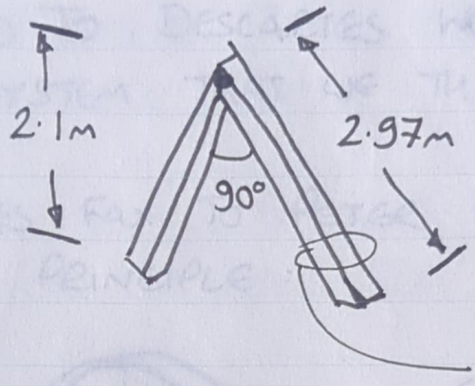


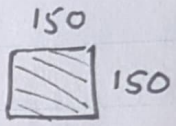
THESE JUNCTIONS ARE QUITE CRITICAL AND MUST BE STRONG, PERHAPS



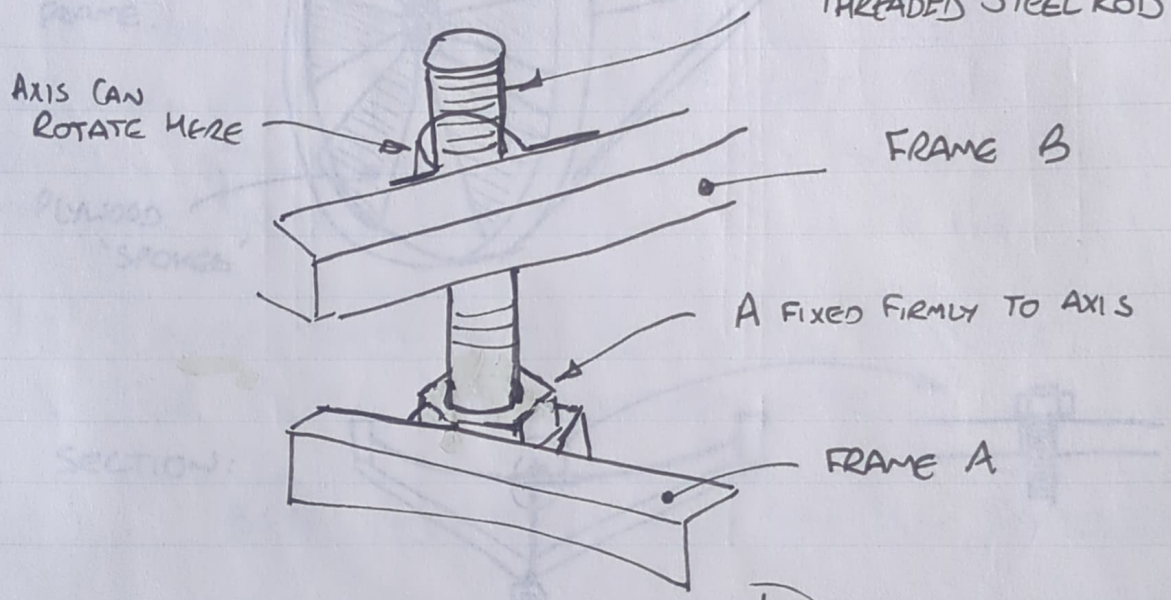
CARPENTERS WILL KNOW BEST.

FRAME C :

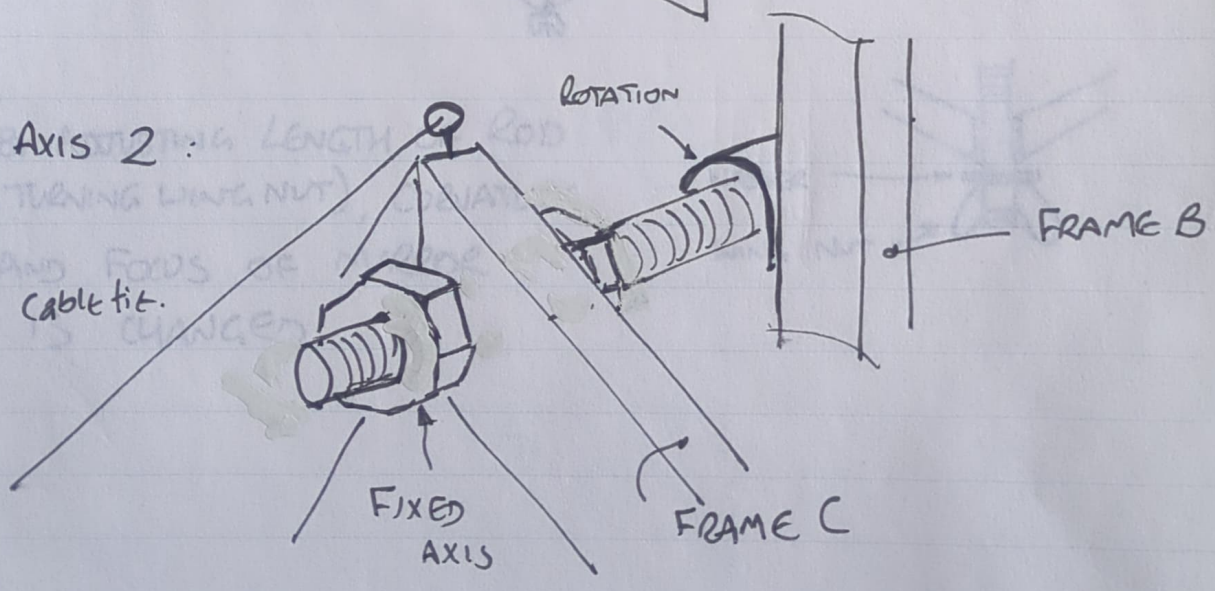




AXIS 1 CAN BE QUITE SIMPLE :

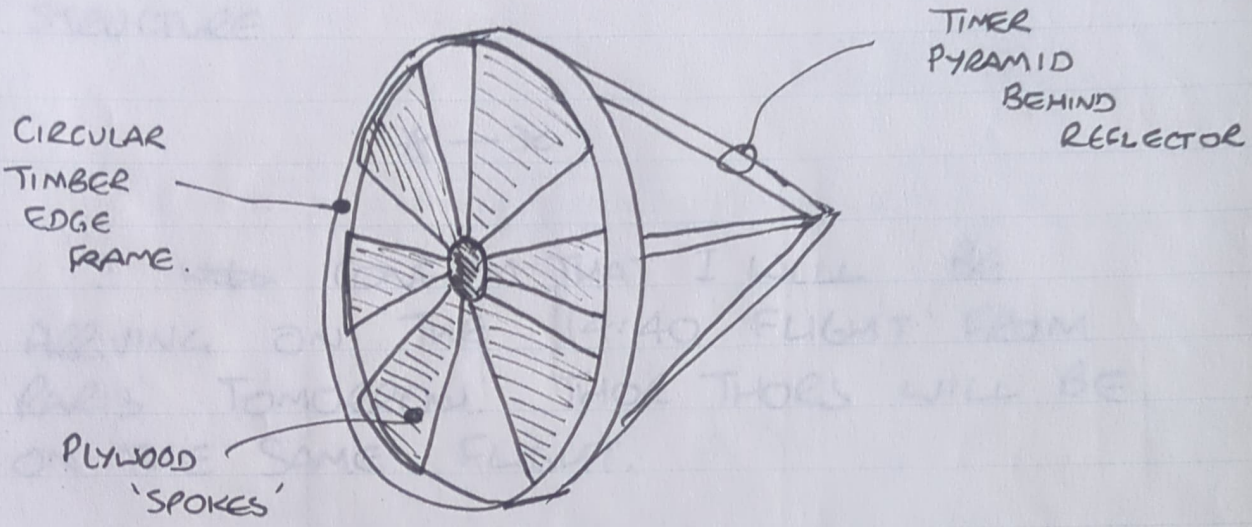


AXIS 2 :

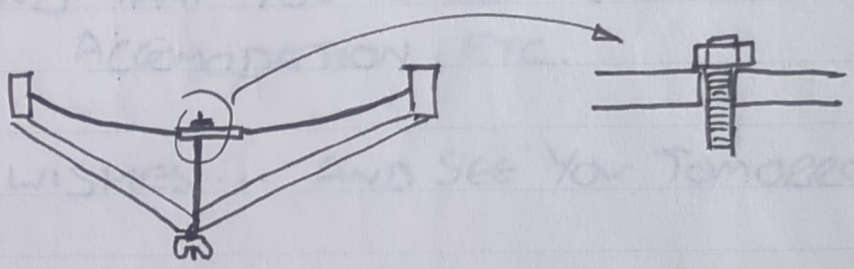


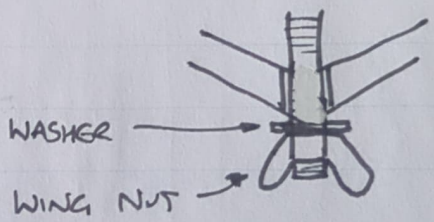
WITH REGARD TO DESCARTES WE HAVE NOW FOUND A SYSTEM THAT WE THINK WILL WORK.

LORRAINES FAX TO PETER (ATTACHED) SHOWS THE PRINCIPLE:



SECTION:





BY ADJUSTING LENGTH OF ROD (TURNING WING NUT), CURVATURE AND FOCUS OF MIRROR IS CHANGED.

ARUP Ove Arup & Partners

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Made by

Date

DO THE CARPENTERS THINK THEY CAN MAKE THE CIRCULAR EDGE FRAME (DIAMETER 3.0M)?

I WILL BRING CUTTING PATTERNS FOR THIS SYSTEM AND IDEAS FOR SUITABLE ~~FRA~~ SUPPORT STRUCTURE.

* — *

I ~~WILL~~ CONFIRM THAT I WILL BE ARRIVING ON THE 14:40 FLIGHT FROM PARIS TOMORROW. THOR THORS WILL BE ON THE SAME FLIGHT.

I UNDERSTAND THAT YOU WILL INVOICE US FOR OUR ACCOMODATION ETC.

BEST WISHES ... AND SEE YOU TOMORROW!

Andy.