Methods of Adjustment used in the Controls Prototype Mode Cleaner Suspension at Caltech

VERTICAL PITCH, ROLL and YAW LONG, TRANSVERSE and YAW

Calum Torrie, CALTECH Mike Perreur-Lloyd UNI of GLASGOW

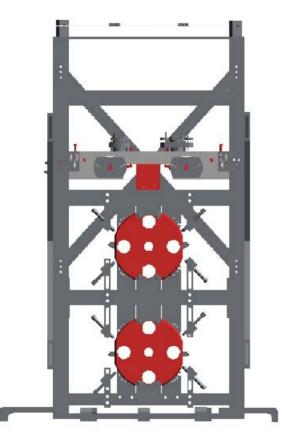
ALUK GLASGOW MEETING AUGUST 2003

LIGO-G030388-02

ALUKGLA0034aAUG03

1

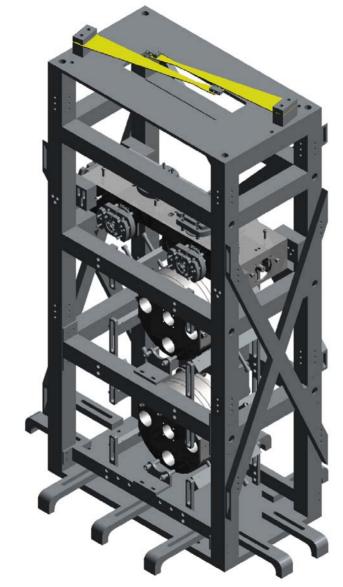
MODE CLEANER SUSPENSION

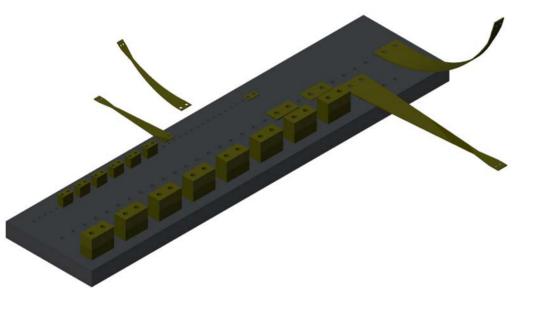




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UPPER CANTILEVER BLADES

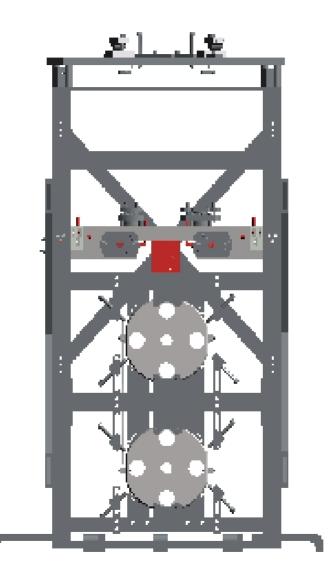






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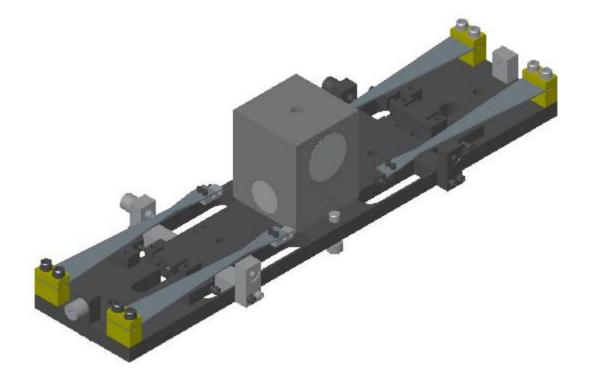
4 LIBRARY OF CLAMPS



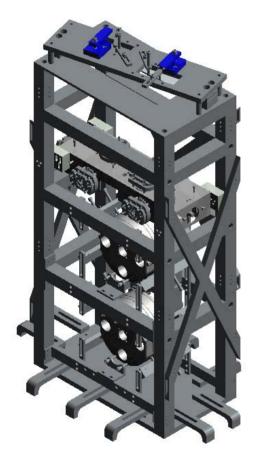
⁵ UPPER MASS, 3kg

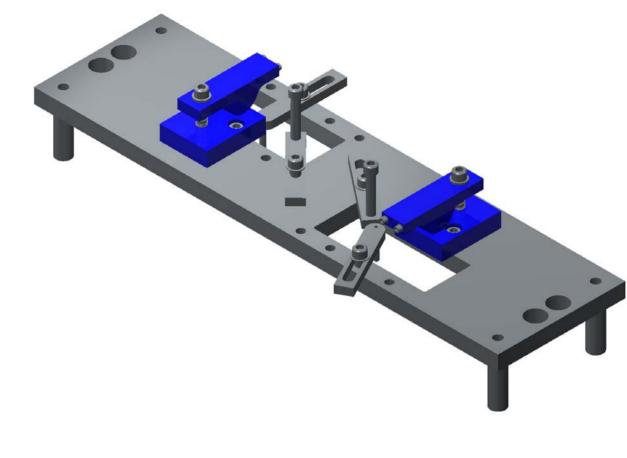
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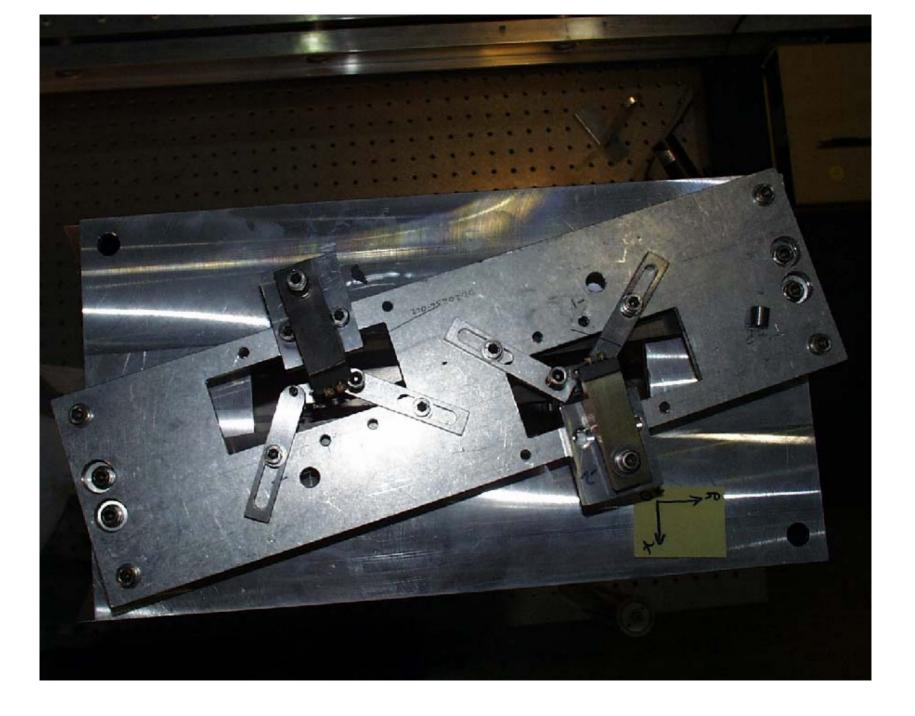


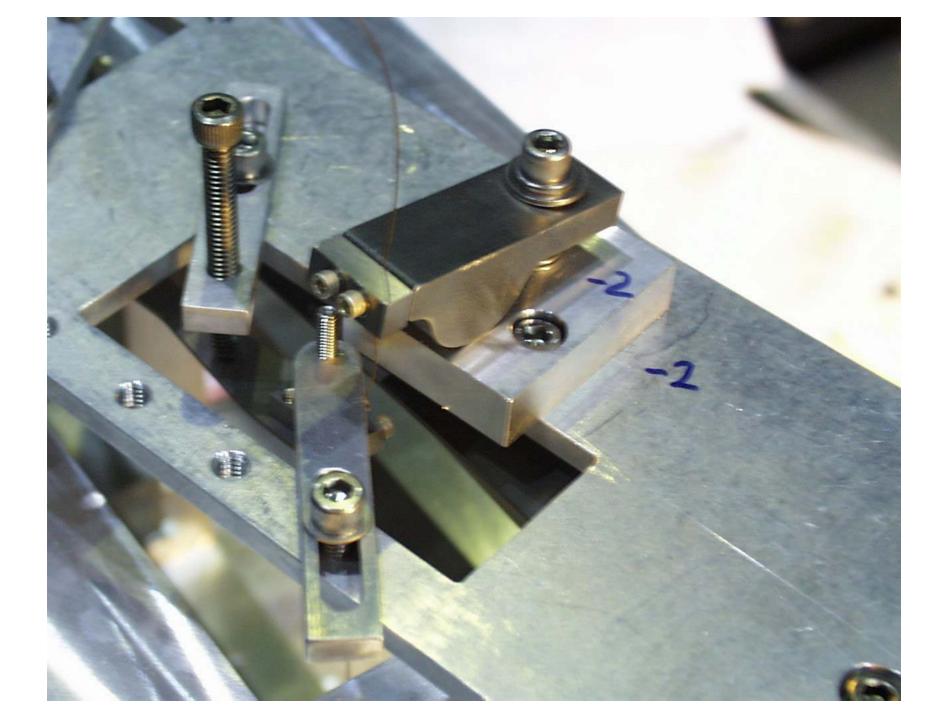
ALUKGLA0034aAUG03 6 LOWER CANTILEVER BLADE CLAMPS

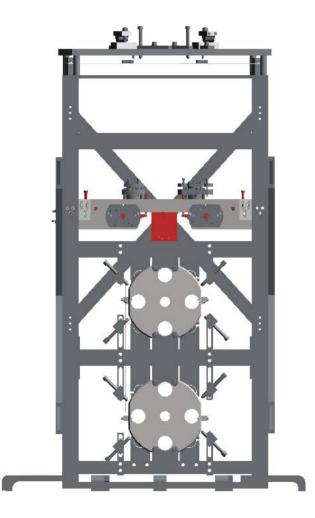


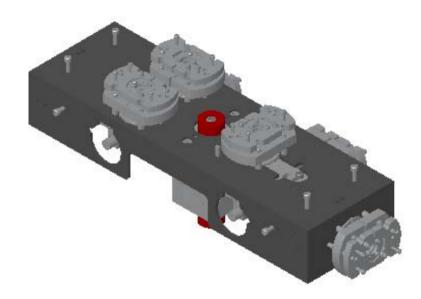


ALUKGLA0034aAUG03 7
UPPER WIRE WINCH (SHORTEN ONLY)





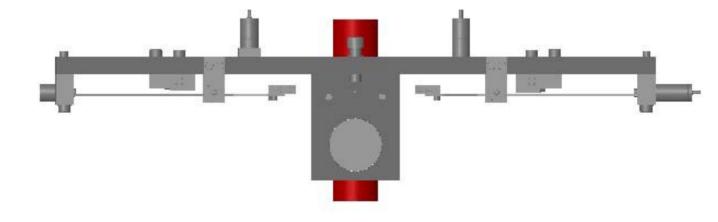




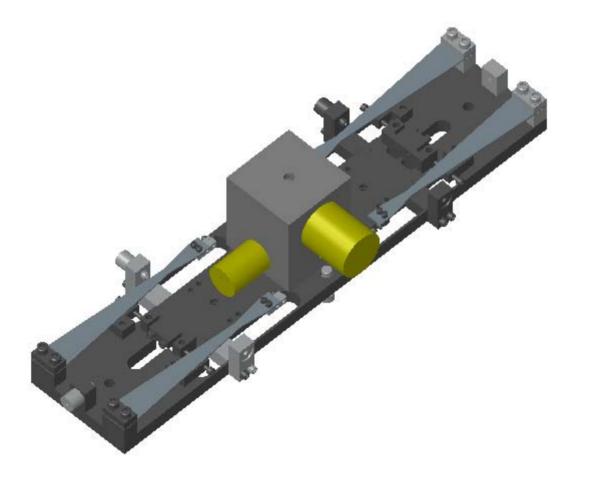
ALUKGLA0034aAUG03 10 FIXED MASS ON UPPER MASS

LIGO-G030388-02



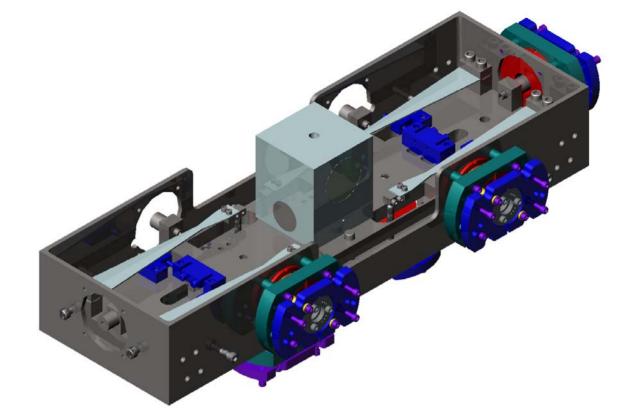






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12 **CRUDE PITCH & ROLL ADJUSTMENT**

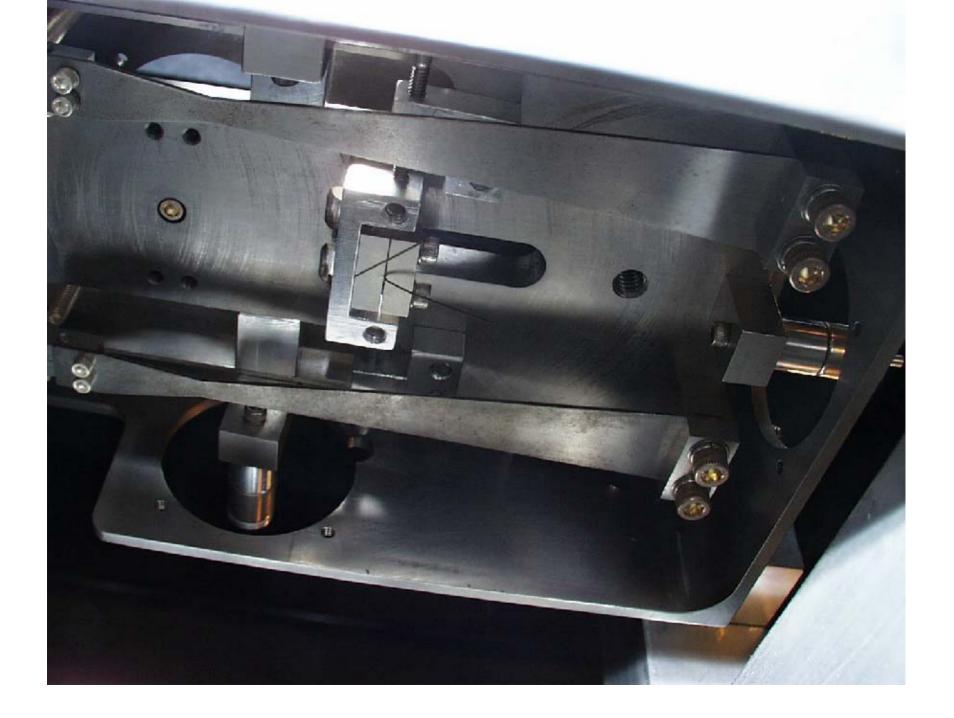






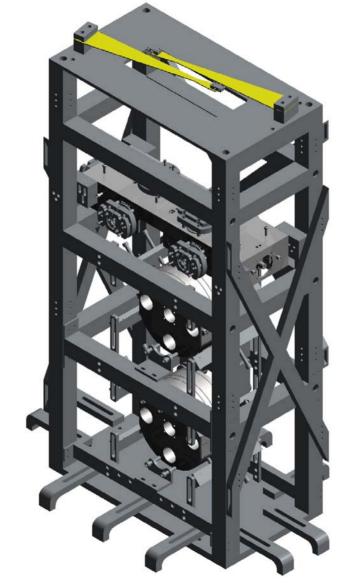
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FINE PITCH ADJUSTMENT

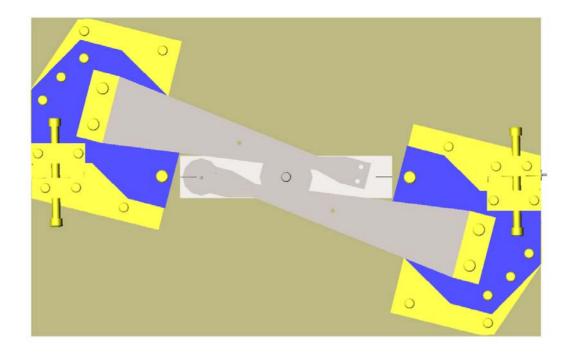
13



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UPPER CANTILEVER BLADES

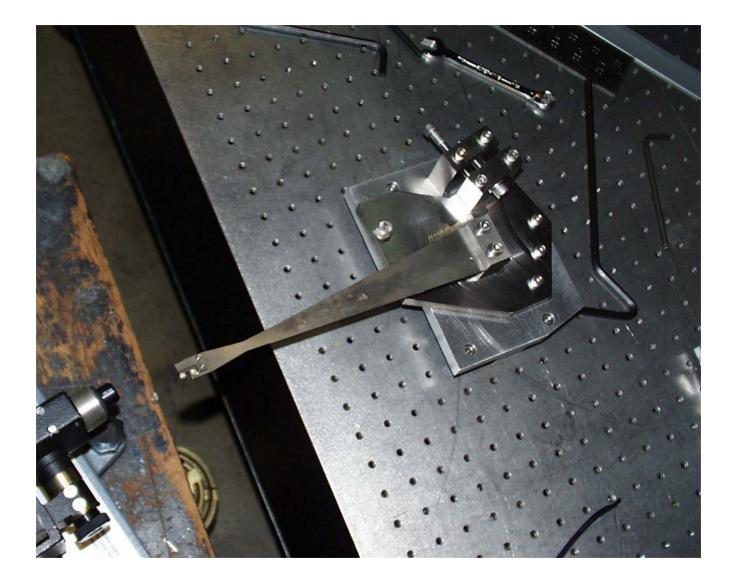






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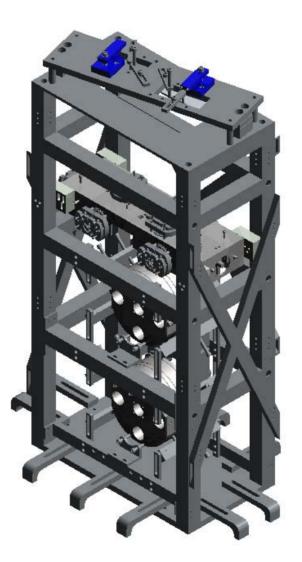


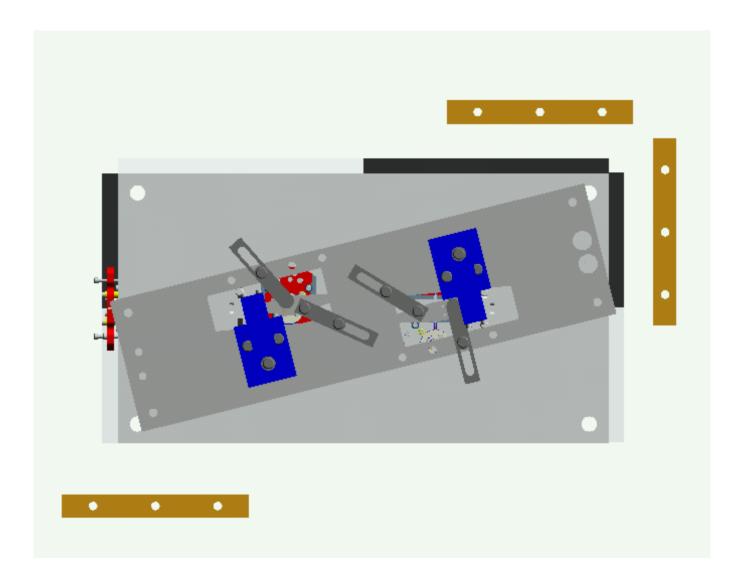


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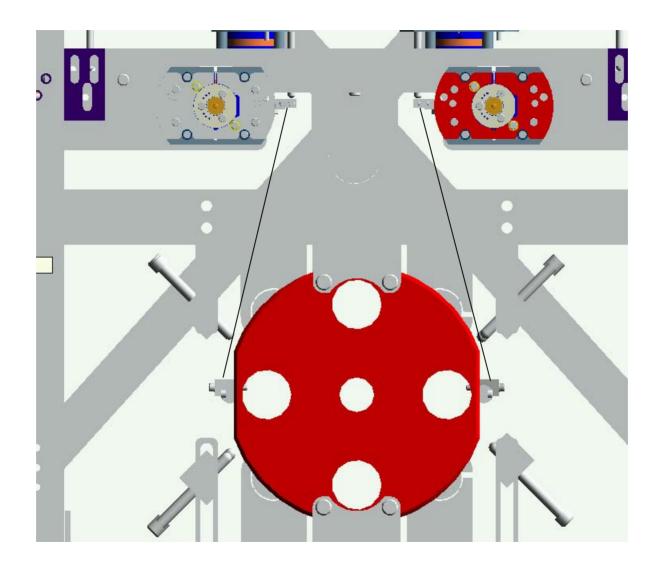
17

PROTOTYPE YAW ADJUSTMENT

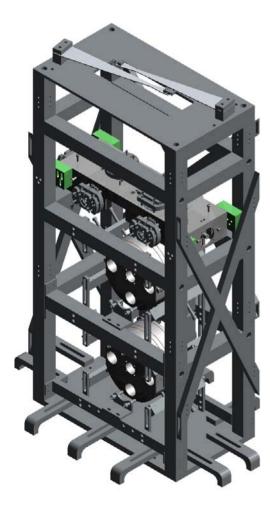


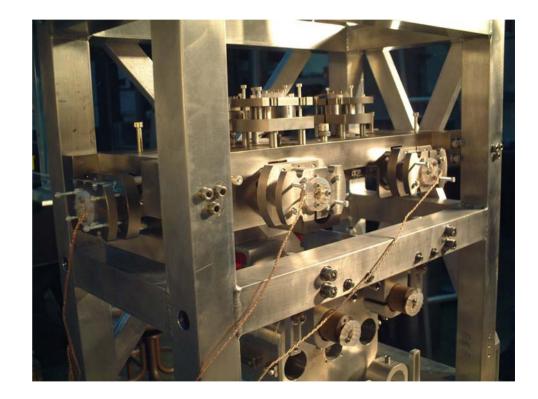


ALUKGLA0034aAUG03 STRUCTURE ADJUSTMENT



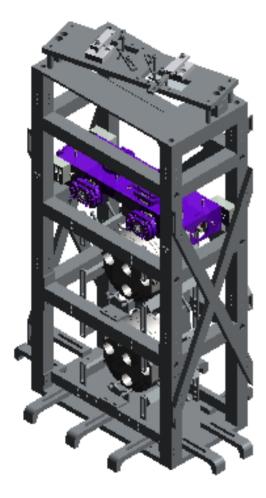
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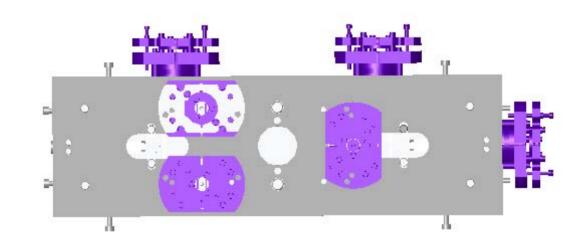




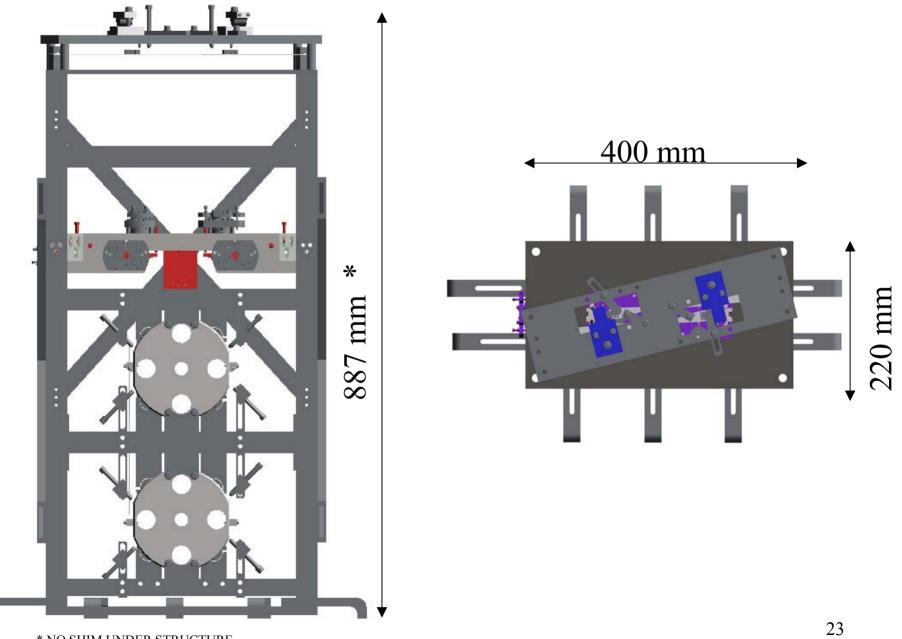
ALUKGLA0034aAUG03 21 ADJUSTMENT OF TABLECLOTH

LIGO-G030388-02





SWITCH TO TALK ON COILS & ECDs



* NO SHIM UNDER STRUCTURE

MODE CLEANER SUSPENSION