OSHPD Permit #IS 071795-2

RFI 3668 SK

Office of Statewide Health Planning and Development
Facilities Development Division
"REVIEWED" pkg-2013-00279
FOR COMPLIANCE WITH TITLE 19 AND 24 CALIFORNIA CODE OF REGULATIONS, FINAL APPROVAL IS SUBJECT TO FIELD INSPECTION
BY KA DATE 1/17/2013

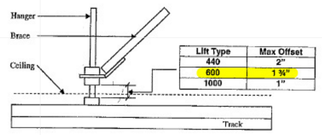
Degenkolb Engineers
235 Montgomery Street, Suite 500
San Francisco, CA 94104-2908
Phone: 415.392.6252
Fax: 415.981.3157

Date 7/23/12
To ArjoHuntleigh, USA
Tim Muchna - Ceiling Lift Manager
George Johnson
From Raymond Pugliesi

Job Arjo Maxi Sky OPA
Job Number A5114009.02
Subject Brace Offset at Ceiling

Report:

For the installation of the Arjo Huntleigh lifts there is often a need to offset the brace connection from the top of the track to accommodate the ceiling. We have reviewed our analysis for the three lift systems covered by the OSHPD OPA-0611-07 and found that the offsets shown below are acceptable. Supporting calculations are attached for the review by the IOR.

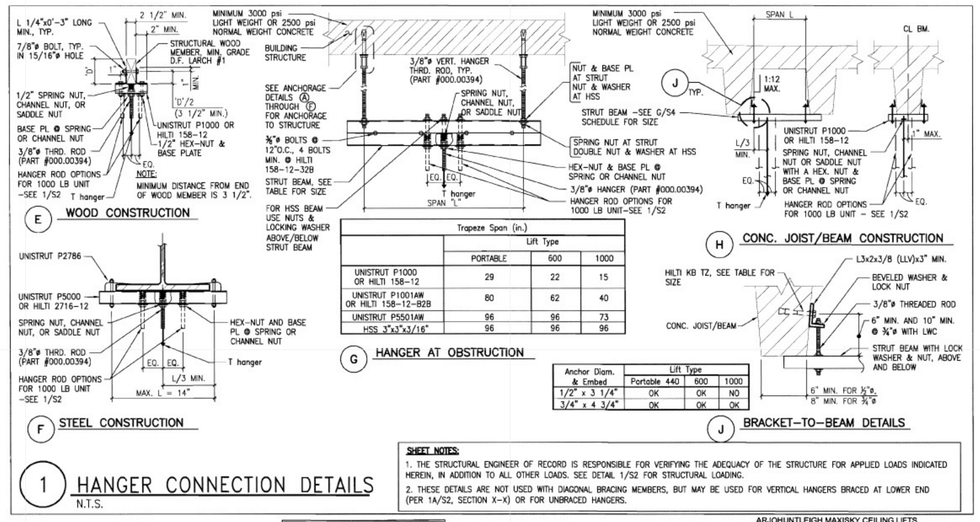


Lift Type	Max Offset
440	2"
600	1 3/4"
1000	1"

Signed Raymond Pugliesi
Copies to

OSHPD PERMIT NO IS 07 W:\jobs\a5\5114009.02\Admin\2013000.rsi\brg offset memo.doc

1/24/2013 32 Bulletin 32-043, OSHPD ACD 167, Add Responses from 8 RFI's Page 16 of 17



Trapeze Span (in.)			
	Lift Type		
	PORTABLE	600	1000
UNISTRUT P1000 OR HILTI 158-12	29	22	15
UNISTRUT P1001AW OR HILTI 158-12-B2B	80	62	40
UNISTRUT P5501AW	96	96	73
HSS 3"x3"x3/16"	96	96	96

Anchor Diam. & Embed	Lift Type		
	Portable 440	600	1000
1/2" x 3 1/4"	OK	OK	NO
3/4" x 4 3/4"	OK	OK	OK

SHEET NOTES:

1. THE STRUCTURAL ENGINEER OF RECORD IS RESPONSIBLE FOR VERIFYING THE ADEQUACY OF THE STRUCTURE FOR APPLIED LOADS INDICATED HEREIN, IN ADDITION TO ALL OTHER LOADS. SEE DETAIL 1/S2 FOR STRUCTURAL LOADING.
2. THESE DETAILS ARE NOT USED WITH DIAGONAL BRACING MEMBERS, BUT MAY BE USED FOR VERTICAL HANGERS BRACED AT LOWER END (PER 1A/S2, SECTION X-X) OR FOR UNBRACED HANGERS.

1 HANGER CONNECTION DETAILS
N.T.S.

Degenkolb
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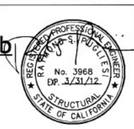
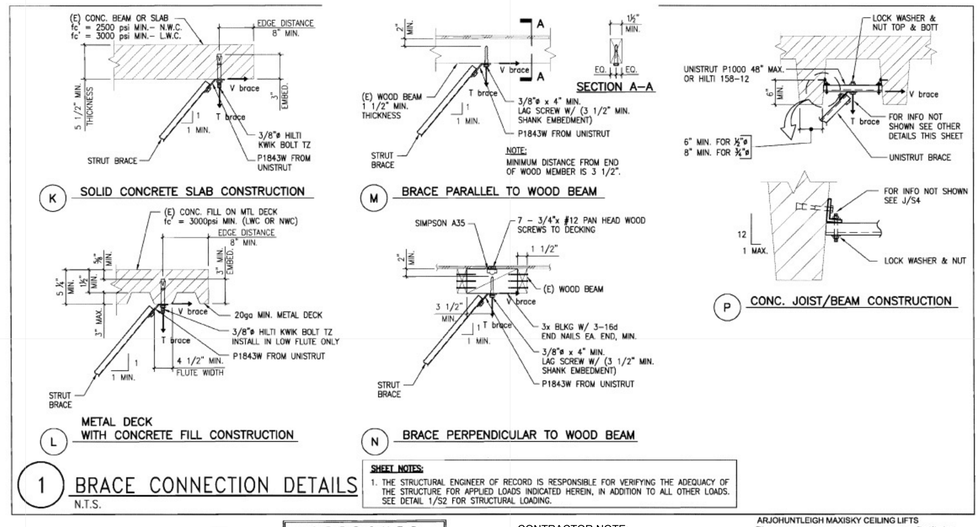


ARJOHUNTLEIGH MAXISKY CEILING LIFTS
Title: HANGER CONNECTION DETAILS
Sheet Number: S4

Drawn: RP | Job Number: A5114009.02
Design: RMG | Rev.: 2.1
Check: RSP
Date: 4/13/10
4 OF 5 Sheets



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1 BRACE CONNECTION DETAILS
N.T.S.

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CONTRACTOR NOTE:
PATIENT LIFT ASSEMBLY SHOP DRAWINGS AND DETAILS ARE REQUIRED TO BE REVIEWED BY THE SEOR AND COR PRIOR TO ORDERING AND OR INSTALLATION. PLANS, DETAILS AND STRUCTURAL CALCULATIONS AS PREPARED BY A CALIFORNIA LICENSED STRUCTURAL ENGINEER ARE REQUIRED

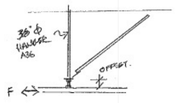
ARJOHUNTLEIGH MAXISKY CEILING LIFTS
Title: BRACE CONNECTION DETAILS
Sheet Number: S5

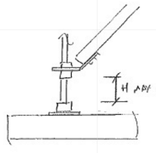
Drawn: RP | Job Number: A5114009.02
Design: RMG | Rev.: 2.1
Check: RSP
Date: 4/13/10
5 OF 5 Sheets

Degenkolb

Subject: HANGER BRACE OFFSET | Job Number: A5114009.00 | Date: 7/19/12
Job: ARJO LIFT | By: RMG | Section:
Checked By: RSP | Page 1 of 1

BRACE OFFSET @ CEILING





HANGER CAPACITY

$3x^{\pi}\frac{d^3}{32} = 0.005\Sigma$

$M_{allow} = 3x\ f_y \times 0.66 = 123$ lb-in

DEMANDS

$M = \frac{F \times offset}{2}$

FORCES USED

$F_{440\ LIFT} = 112$ lbs.

$F_{600\ LIFT} = 126$ lbs

$F_{1000\ LIFT} = 210$ lbs

MAX OFFSETS

$H_{440} = 2"$

$H_{600} = 1\ 3/4"$

$H_{1000} = 1"$

100% CONSTRUCTION DOCUMENTS

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

HFP JOB #04-14

hfp architects
209 w. alamar ave
santa barbara, ca 93105
805-969-6887 fax: 805-969-6888

Drawing Title	DETAILS PATIENT LIFT (MAXI-LIFT) DETAILS CONTINUED ON SHEETS A-6.4 AND A-6.5
Approved Project Director	
Project Title	CT SCANNER PREP VA NORTHERN CALIFORNIA HEALTHCARE SYSTEM
Location	MARTINEZ, CA
Date	06/26/2015
Checked	
Drawn	
Project Number	612-14-037
Building Number	19
Drawing Number	A6.6
Dwg. of	42

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

M:_Project Files\VA Martinez\Project Files\04-14 CT Scanner Prep\Correspondence\Client\Martinez CT Scan o3's signed 06-26-2015\Arc\A6.6 PT LIFT EQP-DETS.dwg 6-26-15 01:53:02 PM Nancy

one inch = one foot | three quarters inch = one foot | one half inch = one foot | three eighths inch = one foot | one quarter inch = one foot | one eighth inch = one foot