



**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

**APPLICATION FOR OSHPD PREAPPROVAL
OF MANUFACTURER'S CERTIFICATION (OPM)**

OFFICE USE ONLY	
APPLICATION #:	OPM-0144-13

OSHPD Preapproval of Manufacturer's Certification (OPM)

Type: New Renewal Update to Pre-CBC 2013 OPA Number: 0611-07

Manufacturer Information

Manufacturer: ArjoHuntleigh Inc.

Manufacturer's Technical Representative: Tim Muchna

Mailing Address: 2349 West Lake Street, Addison, IL 60101

Telephone: 630 785-4671 Email: Tim.Muchna@ArjoHuntleigh.com

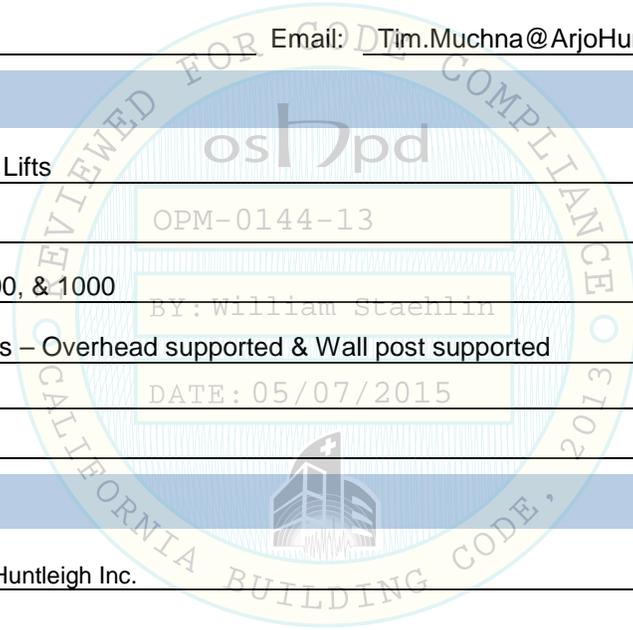
Product Information

Product Name: Maxisky Ceiling Lifts

Product Type: Patient Lifts

Product Model Number: 440, 600, & 1000

General Description: Patient lifts – Overhead supported & Wall post supported



Applicant Information

Applicant Company Name: ArjoHuntleigh Inc.

Contact Person: Tim Muchna

Mailing Address: 2349 West Lake Street, Addison, IL 60101

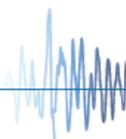
Telephone: 630 785-4671 Tim.Muchna@ArjoHuntleigh.com

I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2013.

Signature of Applicant:  Date: 10/7/14

Title: Technical Specialist Company Name: ArjoHuntleigh Inc.

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

Registered Design Professional Preparing Engineering Recommendations

Company Name: Degenkolb Engineers

Name: Robert Graff California License Number: SE 5113

Mailing Address: 235 Montgomery St, Suite 500, San Francisco CA 94104

Telephone: 415-392-6952 Email: rgraff@degenkolb.com

OSHPD Special Seismic Certification Preapproval (OSP)

- Special Seismic Certification is preapproved under OSP- (Separate application for OSP is required)
- Special Seismic Certification is no preapproved

Certification Method(s)

- Testing in accordance with: ICC-ES AC156 FM 1950-10
- Other* (Please Specify): _____

*Use of criteria other than those adopted by the California Building Standards Code, 2013 (CBSC 2013) for component supports and attachments are not permitted. For distribution system, interior partition wall, and suspended ceiling seismic bracings, test criteria other than those adopted in the CBSC 2013 may be used when approved by OSHPD prior to testing.

- Analysis
- Experience Data
- Combination of Testing, Analysis, and/or Experience Data (Please Specify): _____

List of Attachments Supporting the Manufacturer's Certification

- Test Report Drawings Calculations Manufacturer's Catalog
- Other(s) (Please Specify): Manufacturer product info provided within the calculation package.

OFFICE USE ONLY – OSHPD APPROVAL VALID FOR CBC 2013 ONLY

Signature: *William Staehlin* Date: 05/07/2015

Print Name: William Staehlin

Title: SSE

Condition of Approval (if applicable): _____

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"



GENERAL NOTES

I. GENERAL

- THIS OSHPD PRE-APPROVAL OF MANUFACTURE'S CERTIFICATION (OPM) IS BASED ON THE CBC 2013. THE DEMAND (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE CBC 2013.
- THIS PRE-APPROVAL IS VALID FOR THE EQUIPMENT DESCRIBED IN THESE DRAWINGS THROUGHOUT THE STATE OF CALIFORNIA, AND IS VALID FOR EQUIPMENT INSTALLED AT ANY HEIGHT WITHIN THE BUILDING.

II. RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD

- VERIFY MATERIALS AND WORKMANSHIP TO CONFORM WITH THE 2013 EDITION OF THE CALIFORNIA BUILDING CODE AND THE REQUIREMENTS OF THIS PRE-APPROVAL DOCUMENT.
- VERIFY THE ADEQUACY OF THE EXISTING FRAMING TO SUPPORT THE LOADS INDICATED HEREIN, IN ADDITION TO ALL OTHER LOADS.
- VERIFY ANCHORS ARE ADEQUATE DISTANCES FROM OPENINGS AND EDGES OF SLABS.
- VERIFY ANCHORS ARE ADEQUATE DISTANCES FROM NEW OR EXISTING ANCHORS.
- DESIGN ANY SUPPLEMENTARY MEMBER AND THEIR ATTACHMENTS OTHER THAN THOSE DETAILED WITHIN THIS PRE-APPROVAL.
- VERIFY THE EQUIPMENTS WEIGHT, LOCATION. ANCHOR LOCATIONS AND ANCHOR DETAILS AGREE WITH THE INFORMATION SHOWN IN THIS PRE-APPROVAL.

III. STRUT FRAMING

- CHANNEL FRAMING COMPONENTS AND CONNECTORS MANUFACTURED BY MASON WEST CORPORATION. SEE SHEET S7.
- CHANNEL FRAMING TO CONFORM TO ASTM A1011 SS, GRADE 33 .
- INSTALL BRACING WITH NO MORE THAN 5 DEGREE +/- PLAN DEVIATION.
- STRUT TYPE: SOLID SECTIONS ONLY.

IV. MECHANICAL ANCHORS

- WEDGE ANCHORS INTO CONCRETE: USE ZINC PLATED CARBON STEEL HILTI KB-TZ (ICC ESR-1917 ISSUED AUG. 2014). INSTALL ANCHORS IN ACCORDANCE WITH ICC REPORT
- IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON AND SHIFT THE HOLE LOCATION TO AVOID THE REINFORCEMENT. PROVIDE A MINIMUM OF 2 ANCHOR DIAMETERS OR 1 INCH, WHICHEVER IS LARGER, OF SOUND CONCRETE BETWEEN THE DOWEL AND THE ABANDONED HOLE. FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT APPROVED BY THE ENGINEER OF RECORD. NOTIFY THE ENGINEER OF RECORD IF ANY REINFORCING IS DAMAGED.

- ANCHORS WILL BE PROOF-TESTED BY OWNER'S TESTING AND INSPECTION AGENCY. WITH A REPORT OF THE TEST RESULTS SUBMITTED TO OSHPD.
- IF ANY ANCHOR FAILS TESTING, REPLACE ANCHOR AND TEST ADDITIONAL ANCHORS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE PASS, THEN RESUME INITIAL TESTING FREQUENCY.
- TEST ANCHORS NO SOONER THAN 24 HOURS AFTER INSTALLATION.
- TEST 50% WEDGE ANCHORS PER THE FOLLOWING METHOD:
 - TORQUE WRENCH METHOD: TEST ANCHORS TO THE TORQUE LOAD INDICATED IN THE TABLE BELOW WITHIN THE FOLLOWING LIMITS:
 - ONE-HALF TURN OF THE NUT.

WEDGE	
ANCHOR DIA. (IN)	TORQUE LOAD (FT-LBS)
3/8	25
1/2	40
5/8	60

V. ROUGH CARPENTRY

- FRAMING LUMBER: DOUGLAS FIR (COAST REGION) GRADED AND MARKED IN ACCORDANCE WITH THE STANDARD GRADING RULES NO. 17 OF THE WEST COAST LUMBER INSPECTION BUREAU (W.C.L.I.B.) OR WESTERN LUMBER GRADING RULES, OF THE WESTERN WOOD PRODUCTS ASSOCIATION (W.W.P.A.). USE LUMBER WITH A MINIMUM GRADE OF D.F. #1.
- ROUGH HARDWARE:
 - NAILS: COMMON WIRE NAILS, ASTM F1667, STANDARD LENGTHS U.O.N. USE HOT-DIPPED ZINC-COATED GALVANIZED NAILS WHEN PENETRATING PRESSURE TREATED OR FIRE-RETARDANT LUMBER.
 - BOLTS AND THREADED RODS: ASTM A307, SQUARE OR HEXAGONAL HEAD MACHINE BOLTS WITH ASTM A563 NUTS. USE MALLEABLE IRON WASHERS UNDER HEAD AND NUT WHEN IN CONTACT WITH WOOD.
 - LAG SCREWS: ASTM A307, ANSI/ASME STANDARD B18.2.1. USE ANSI B18.22.1 WASHERS UNDER HEAD WHEN IN CONTACT WITH WOOD.
 - SCREWS: ASTM A307, ANSI/ASME STANDARD B18.6.1. USE CADMIUM-PLATED PAN OR ROUND HEADED SCREWS AT STEEL TO WOOD AND WOOD TO WOOD CONNECTIONS.
 - MISCELLANEOUS STEEL: ASTM A36.
- BOLT INSTALLATION:
 - DRILL BOLT HOLES A MAXIMUM OF 1/16 INCH LARGER IN DIAMETER THAN THE BOLT NOMINAL DIAMETER.
 - DRILL PRE-BORED LEAD HOLES FOR LAG SCREWS AS FOLLOWS.
 - DRILL LEAD HOLE FOR THE SHANK TO A DEPTH EQUAL TO THE LENGTH OF THE UNTHREADED PORTION IN THE MAIN MEMBER. USE A DRILL BIT OF THE SAME DIAMETER AS THE LAG SCREW.
 - EXTEND THE LEAD HOLE FOR THE THREADED PORTION OF THE LAG SCREW WITH A DRILL BIT WHOSE DIAMETER IS 60 PERCENT OF THE NOMINAL LAG SCREW DIAMETER.
 - INSERT LAG SCREW INTO LEAD HOLE BY TURNING. DO NOT DRIVE WITH A HAMMER.
 - LUBRICATE WITH SOAP OR BEESWAX TO FACILITATE INSTALLATION.

VI. STRUCTURAL STEEL

- STRUCTURAL STEEL TO CONFORM TO THE FOLLOWING UNLESS OTHERWISE NOTED:

SECTIONS	TYPE
COLD FORMED HOLLOW STRUCTURAL SECTION (HSS)	ASTM A500 GRADE B
MACHINE BOLTS	ASTM A307
THREADED AND HANGER ROD	ASTM A36
NUTS FOR BOLTS AND MACHINE BOLTS	ASTM A563
PLAIN WASHERS	ANSI B18.22.1

- HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ASTM A153 STRUCTURAL STEEL AND FASTENERS THAT ARE PERMANENTLY EXPOSED TO WEATHER.

VII. STRUCTURAL TESTS, INSPECTIONS, AND OBSERVATIONS

- AN INDEPENDENT TESTING AGENCY AND SPECIAL INSPECTORS WILL BE RETAINED BY THE OWNER TO PERFORM THE FOLLOWING TESTS AND INSPECTION. PROVIDE ACCESS AND FURNISH SAMPLES TO THE AGENCY AS REQUIRED.
- THE FOLLOWING ITEMS REQUIRE TESTS AND INSPECTIONS IN ACCORDANCE WITH THE REQUIREMENTS OF THE CHAPTER "STRUCTURAL TESTS AND INSPECTIONS" OF THE CODE.
- MECHANICAL ANCHORS:
 - VERIFY TYPE OF ANCHOR, ANCHOR DIMENSIONS, CONCRETE TYPE AND COMPRESSIVE STRENGTH, PREDRILLED HOLE DIMENSIONS, ANCHOR SPACING, EDGE DISTANCE, SLAB THICKNESS AND ANCHOR EMBEDMENT.
 - PROOF-TEST AS INDICATED IN THE MECHANICAL ANCHORS SECTION OF THESE GENERAL NOTES.

VIII. DESIGN CRITERIA

- APPLICABLE CODE: 2013 CALIFORNIA BUILDING CODE.
- SEISMIC DESIGN:

SEISMIC FORCE	$F = 2.31 W_p$	$E_v = 0.385 W_p$	$R_p = 1.5$ LOW DEFORMATION
WHERE:			$a_p = 1.0$ RIGID COMPONENT
$S_d_s = 250\% G$	WORST CASE ACCEL.		$\Omega = 1.5$
$I_p = 1.5$	FOR NON-ESSENTIAL EQUIP.		
$Z/h = 1.0$	FOR ANY FLOOR		
- CRANE LOADING PER AISC

TRANSVERSE LOADING	$= 0.2 (DL+LL)$
LONGITUDINAL LOADING	$= 0.1 (DL+LL)$

IX. HOW TO USE THIS PRE-APPROVAL

- REVIEW AND UNDERSTAND ALL GENERAL NOTES AND FIGURES BEFORE PROCEEDING.
- FOR THE SELECTED MAXISKY UNIT, DETERMINE THE TRACK LAYOUT AND DIMENSIONS.
- BASED ON THE TRACK LAYOUT AND DIMENSIONS, DETERMINE THE APPROPRIATE TRACK, THE TRACK BRACING, AND TRACK HANGER REQUIREMENTS FROM THE TABLES ON SHEET S2.
- DETERMINE THE MAXIMUM DEMANDS ON THE EXISTING STRUCTURE FROM THE NEW UNIT FROM THE TABLE ON SHEET S2, AND VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE WITH THE ENGINEER OF RECORD FOR THE BUILDING.

SHEET LIST

S1 GENERAL NOTES	S4 HANGER CONNECTION DETAILS
S2 TRACK ELEVATION	S5 BRACE CONNECTION DETAILS
S3 HANGER CONNECTION DETAILS	S6 WALL POST
	S7 STRUT PARTS SHEET
	S8 ARJOHUNTLEIGH PARTS SHEET



DEGENKOLB ENGINEERS
 235 Montgomery Street, Suite 500
 San Francisco, CA 94104
 415.392.6952 Phone
 415.981.3157 Fax
 www.degenkolb.com



ARJOHUNTLEIGH MAXISKY CEILING LIFTS
 MODELS 440, 600 & 1000

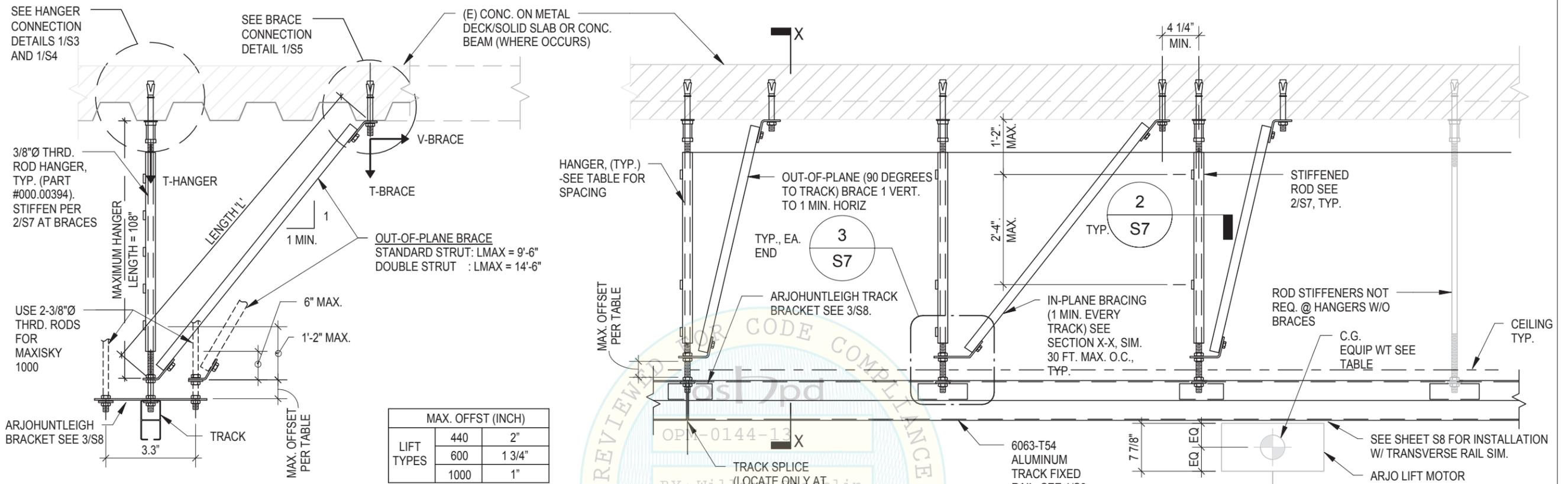
Title:
 GENERAL NOTES

Sheet Number

Drawn:	MSA	Job number:	B3535007.00
Design:	RMG	Rev:	
Check:	RMG	Scale:	N.T.S.
Date	08/07/2014		

S1

OF Sheets



SECTION X-X

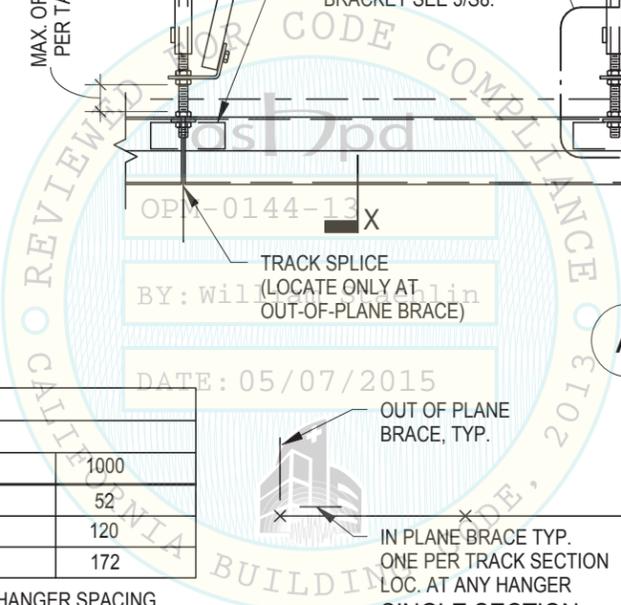
MAX. OFFST (INCH)	
LIFT TYPES	
440	2"
600	1 3/4"
1000	1"

STRUCTURAL LOADING (lbs.) (ASD LOADING)	LIFT TYPES		
	440	600	1000
T hanger	971	1291	2062
T brace	573	577	526
V brace	573	577	526
EQUIP WT Lbs	14	28	48
Capacity Lbs	440	600	1000

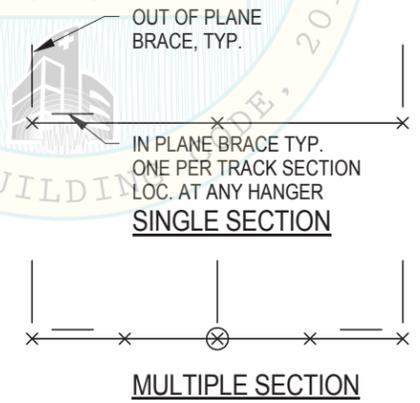
TRACK	MAXIMUM HANGER SPACING (inch)			
	LIFT TYPE			
	Portable 440	600	1000	
H90	95	78	52	
H140	186	163	120	
H180	250	232	172	

MAX. TRANSVERSE BRACE SPACING = 2X MAX. HANGER SPACING
SEE 5/S7 FOR TRACK SECTIONS.

* LOADS DO NOT INCLUDE 1.3 INCREASE FOR ANCHORS



A TRACK ELEVATION



LEGEND

- BRACE
- × HANGER
- ⊗ HANGER @ TRACK SPLICE

B TRACK LAYOUT PLANS

1 TRACK ELEVATIONS & DETAILS

N.T.S.



DEGENKOLB ENGINEERS
235 Montgomery Street, Suite 500
San Francisco, CA 94104
415.392.6952 Phone
415.981.3157 Fax
www.degenkolb.com



ARJOHUNTLEIGH MAXISKY CEILING LIFTS
MODELS 440, 600 & 1000

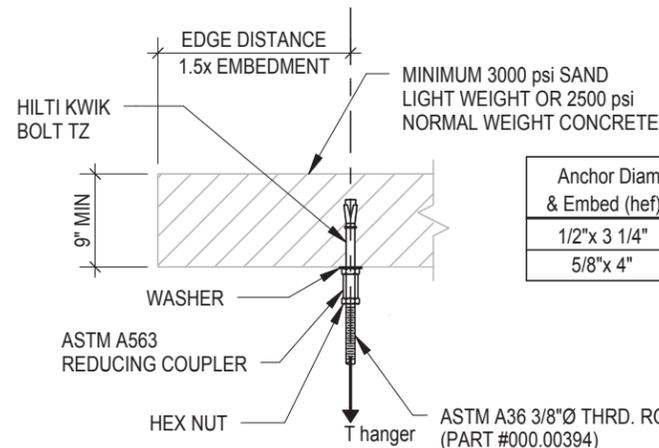
Title:
TRACK ELEVATION

Sheet Number

Drawn:	MSA	Job number:	B3535007.00
Design:	RMG	Rev:	
Check:	RMG	Scale:	N.T.S.
Date:	08/07/2014		

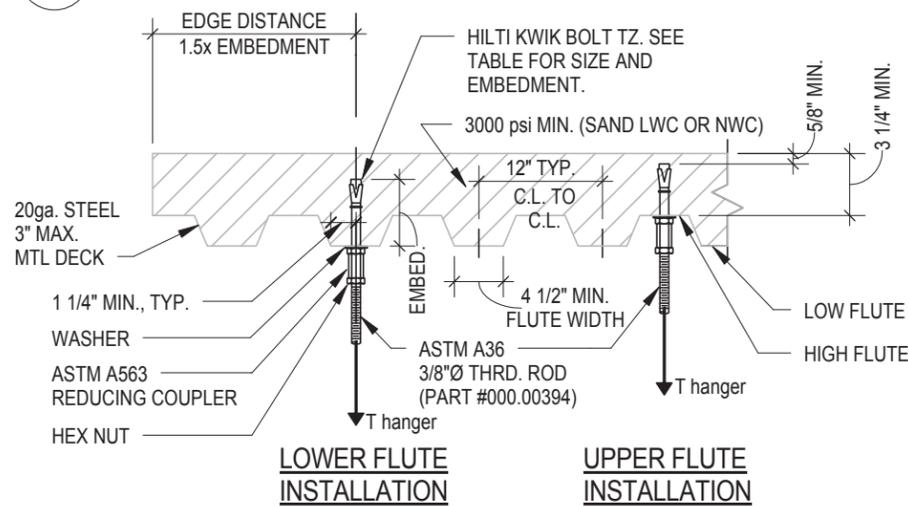
S2

OF Sheets



Anchor Diam. & Embed (hef)	Lift Type		
	440	600	1000
1/2"x 3 1/4"	OK	NO	NO
5/8"x 4"	OK	OK	NO

A SOLID CONCRETE SLAB CONSTRUCTION

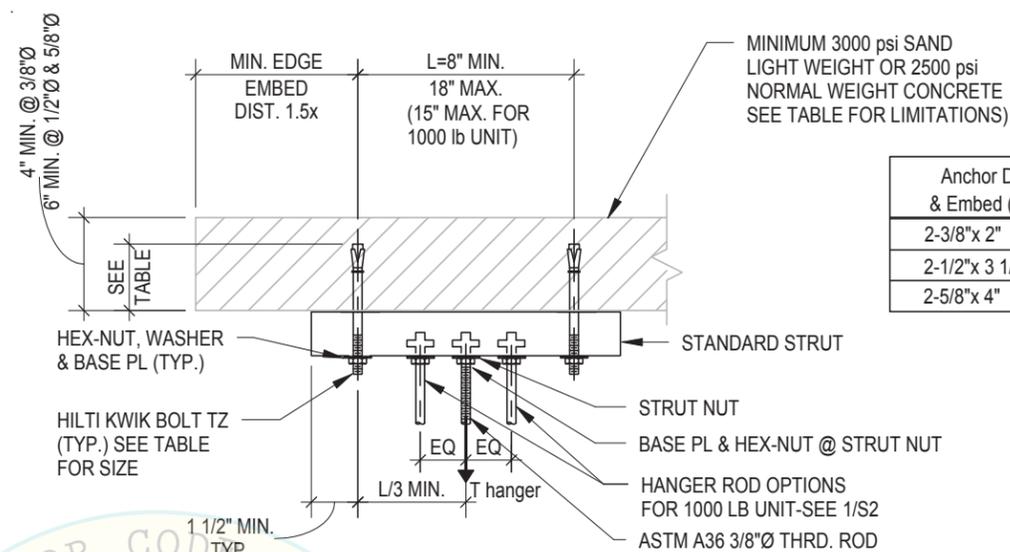


Anchor Diam. & Embed (hef)	Lift Type		
	440	600	1000
1/2"x 3 1/4"	OK	NO	N/A
5/8"x 4"	OK	OK	N/A

B METAL DECK WITH CONC. FILL CONSTRUCTION

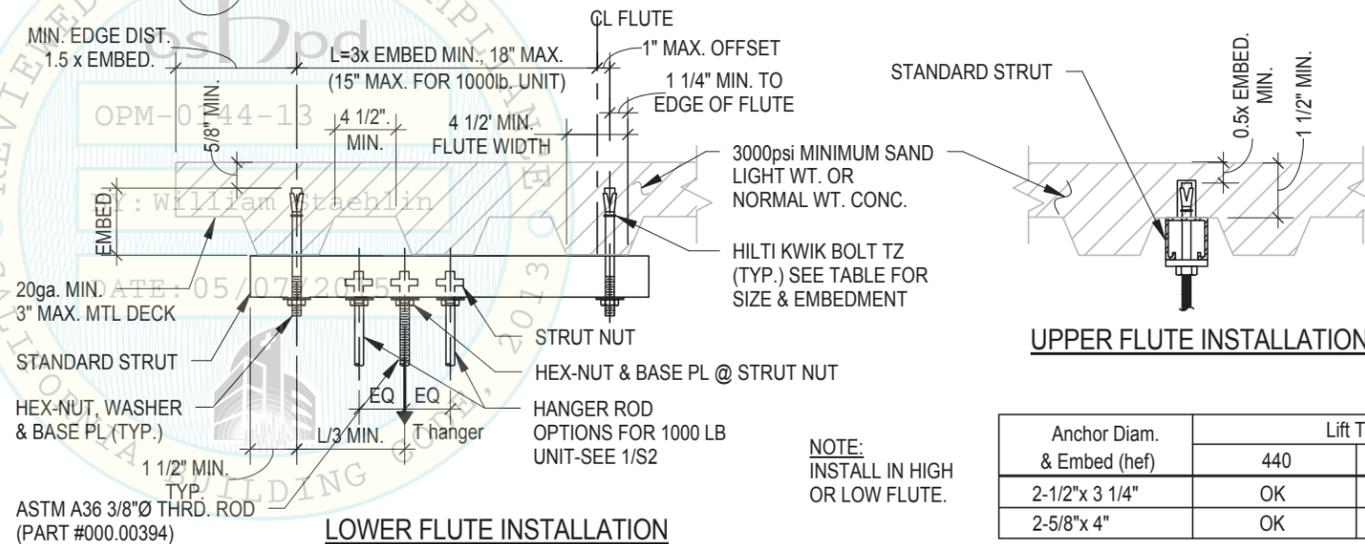
1 HANGER CONNECTION DETAILS

N.T.S.



Anchor Diam. & Embed (hef)	Lift Type		
	440	600	1000
2-3/8"x 2"	NWC ONLY	NO	NO
2-1/2"x 3 1/4"	OK	OK	NO
2-5/8"x 4"	OK	OK	OK

C SOLID CONCRETE SLAB CONSTRUCTION



Anchor Diam. & Embed (hef)	Lift Type		
	440	600	1000
2-1/2"x 3 1/4"	OK	OK	NO
2-5/8"x 4"	OK	OK	OK

D MTL DECK W/ CONC. FILL CONSTRUCTION

NOTE:
 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. SEE SHEET S5 FOR BRACE CONNECTION TO STRUCTURE DETAILS.



DEGENKOLB ENGINEERS
 235 Montgomery Street, Suite 500
 San Francisco, CA 94104
 415.392.6952 Phone
 415.981.3157 Fax
 www.degenkolb.com



ARJOHUNTLEIGH MAXISKY CEILING LIFTS
 MODELS 440, 600 & 1000

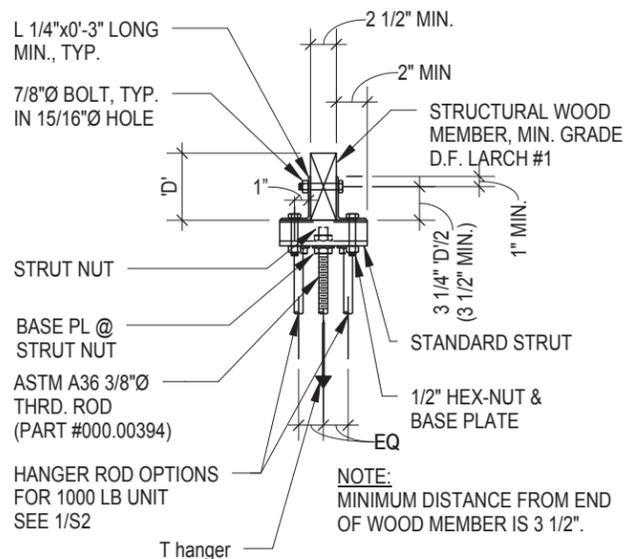
Title:
 HANGER CONNECTION DETAILS

Sheet Number

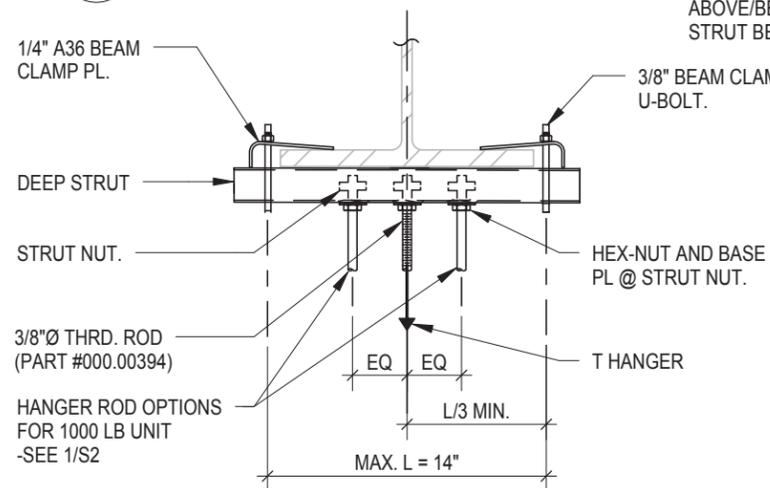
Drawn: MSA Job number: B3535007.00
 Design: RMG Rev:
 Check: RMG Scale: N.T.S.
 Date 08/07/2014

S3

OF Sheets



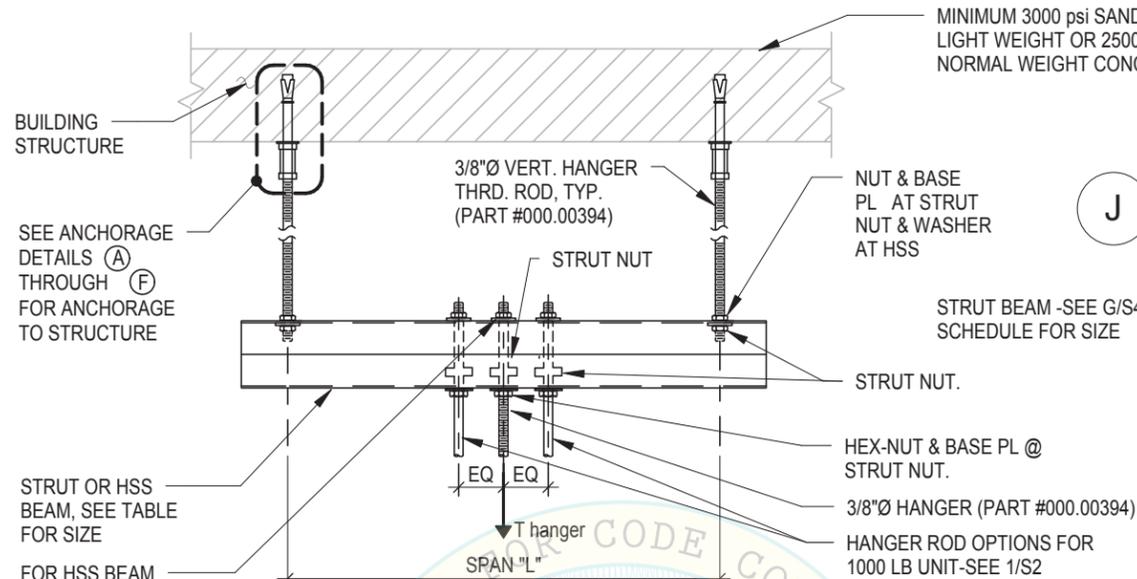
E WOOD CONSTRUCTION



F STEEL CONSTRUCTION

1 HANGER CONNECTION DETAILS

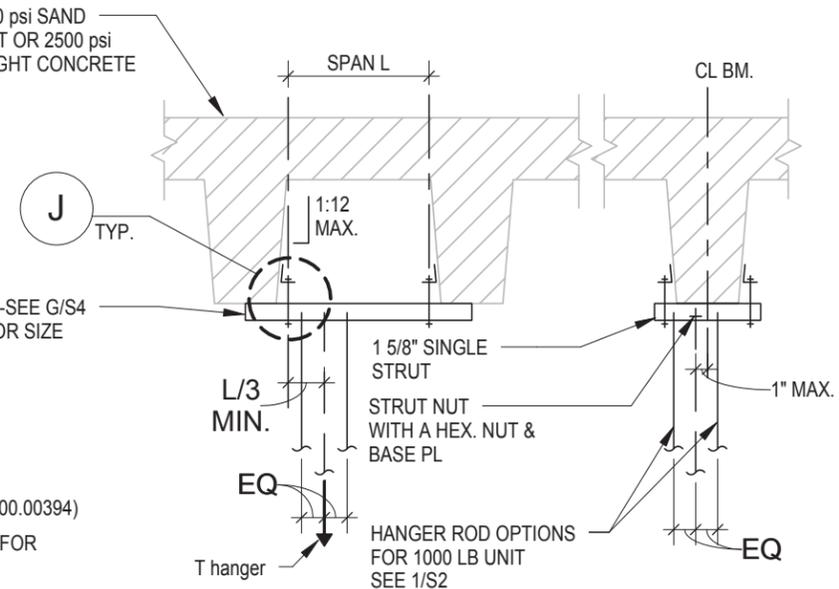
N.T.S.



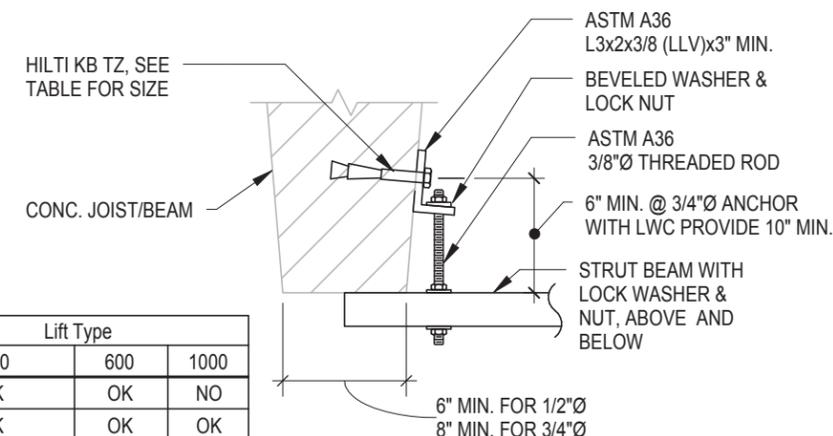
G HANGER AT OBSTRUCTION

	Trapeze Span (in.)		
	440	600	1000
STANDARD STRUT	22	17	11
DOUBLE STRUT	62	50	32
DEEP STRUT	48	42	31
HSS 3"x3"x3/16"	96	96	96

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



H CONC. JOIST/BEAM CONSTRUCTION



J BRACKET-TO-BEAM DETAILS

NOTE:
 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. SEE SHEET S5 FOR BRACE CONNECTION TO STRUCTURE DETAILS.



DEGENKOLB ENGINEERS
 235 Montgomery Street, Suite 500
 San Francisco, CA 94104
 415.392.6952 Phone
 415.981.3157 Fax
 www.degenkolb.com



ARJOHUNTLEIGH MAXISKY CEILING LIFTS
 MODELS 440, 600 & 1000

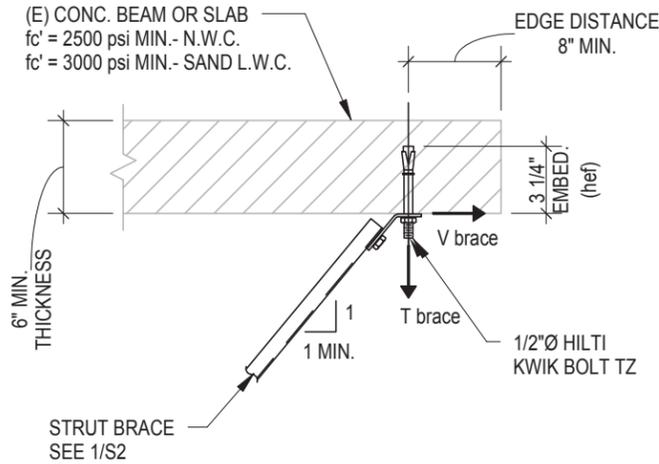
Title:
 HANGER CONNECTION DETAILS

Sheet Number

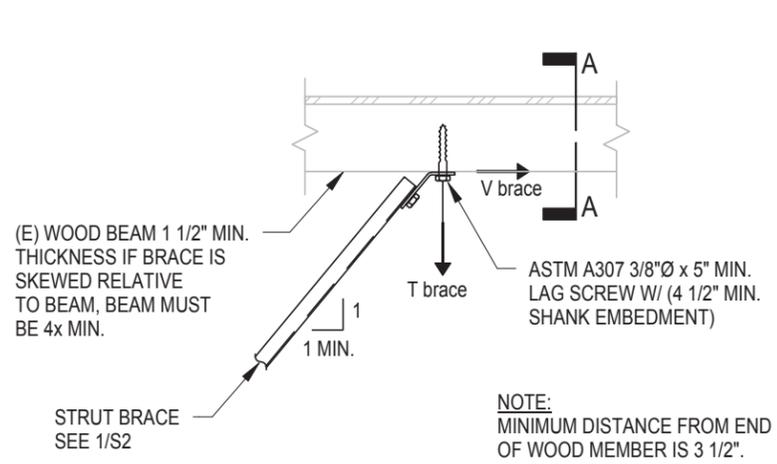
Drawn: MSA Job number: B3535007.00
 Design: RMG Rev:
 Check: RMG Scale: N.T.S.
 Date 08/07/2014

S4

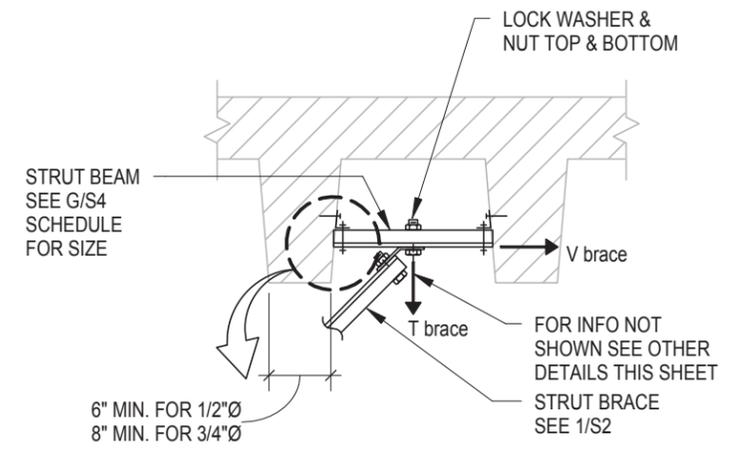
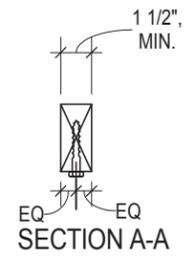
OF Sheets



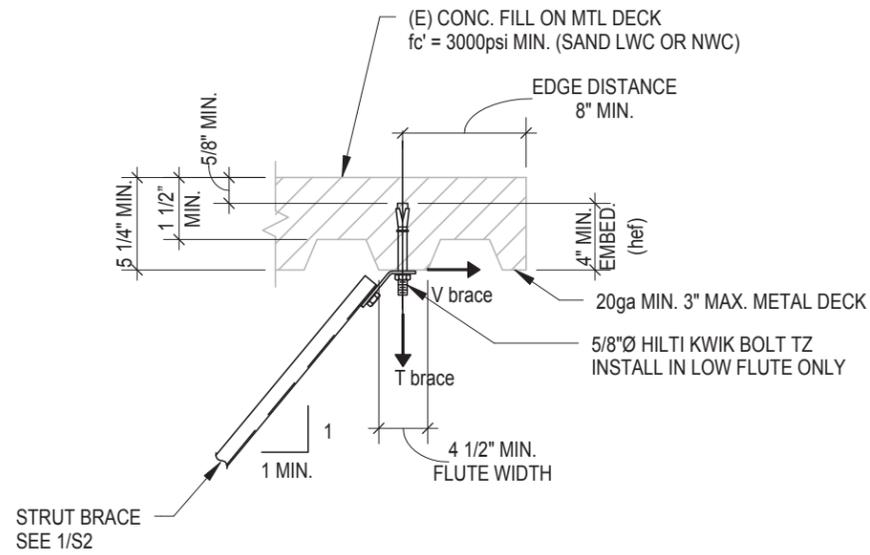
K SOLID CONCRETE SLAB CONSTRUCTION



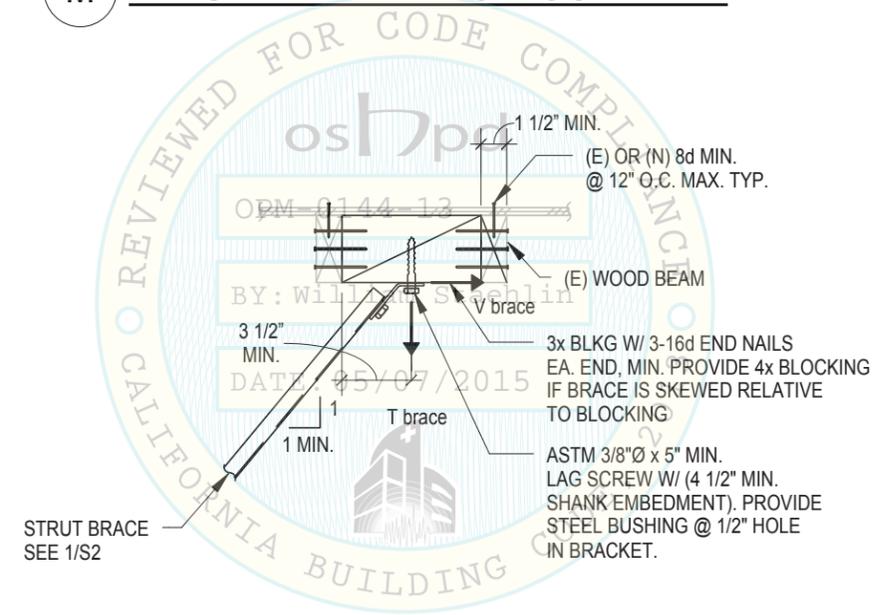
M BRACE PARALLEL TO WOOD BEAM



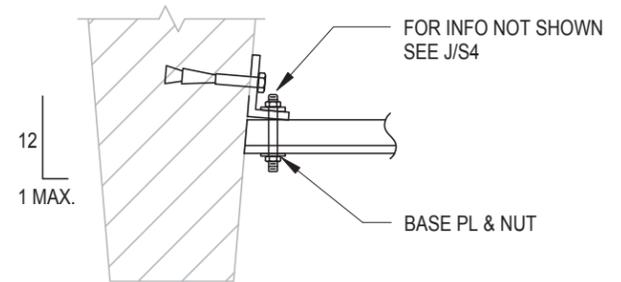
P CONC. JOIST/BEAM CONSTRUCTION



L METAL DECK WITH CONCRETE FILL CONSTRUCTION



N BRACE PERPENDICULAR TO WOOD BEAM



1 BRACE CONNECTION DETAILS
N.T.S.

SHEET NOTES:
1. 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.

Degenkolb
DEGENKOLB ENGINEERS
235 Montgomery Street, Suite 500
San Francisco, CA 94104
415.392.6952 Phone
415.981.3157 Fax
www.degenkolb.com

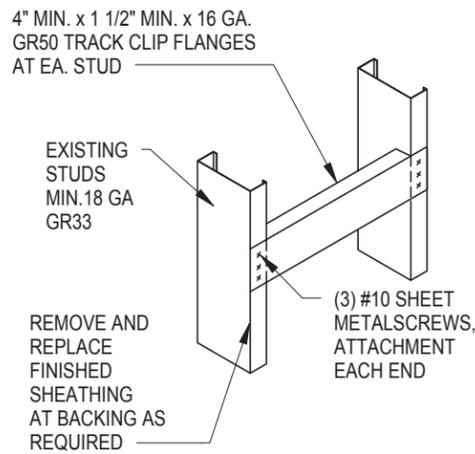


ARJOHUNTLEIGH MAXISKY CEILING LIFTS
MODELS 440, 600 & 1000

Title: BRACE CONNECTION DETAILS

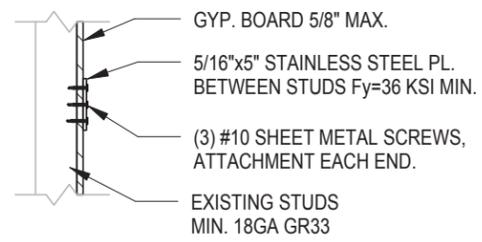
Drawn: MSA	Job number: B3535007.00
Design: RMG	Rev:
Check: RMG	Scale: N.T.S.
Date: 08/07/2014	

Sheet Number
S5
OF Sheets



NOTE:
NO BACKING REQUIRED WHERE WALL POST CAN BE ATTACHED DIRECTLY TO A WALL STUD AND STUD IS MIN. 16 GA. GR50

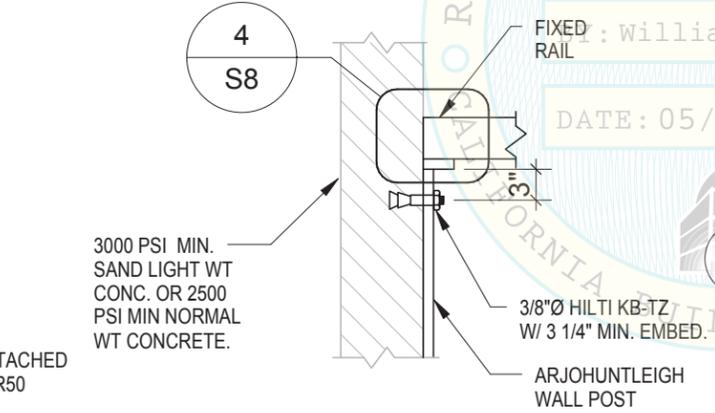
D BACKING PLATE
N.T.S.



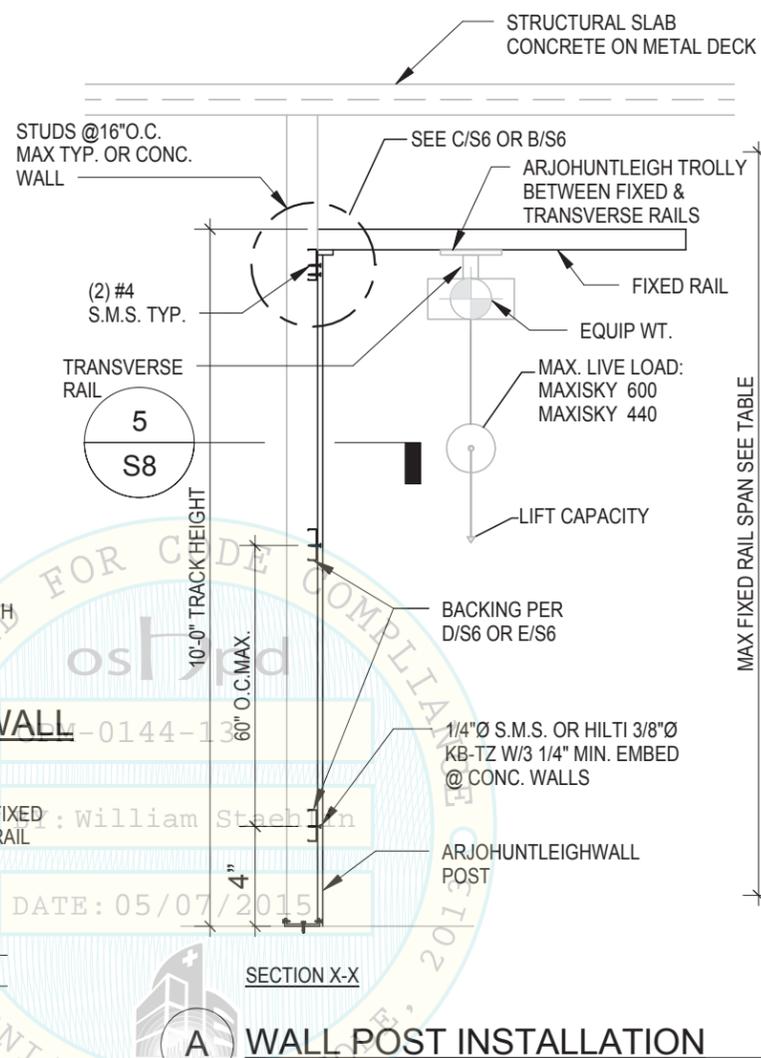
NOTE:
NO BACKING REQUIRED WHERE WALL POST CAN BE ATTACHED DIRECTLY TO A WALL STUD AND STUD IS MIN. 16 GA. GR50

E SURFACE BACKING PLATE
N.T.S.

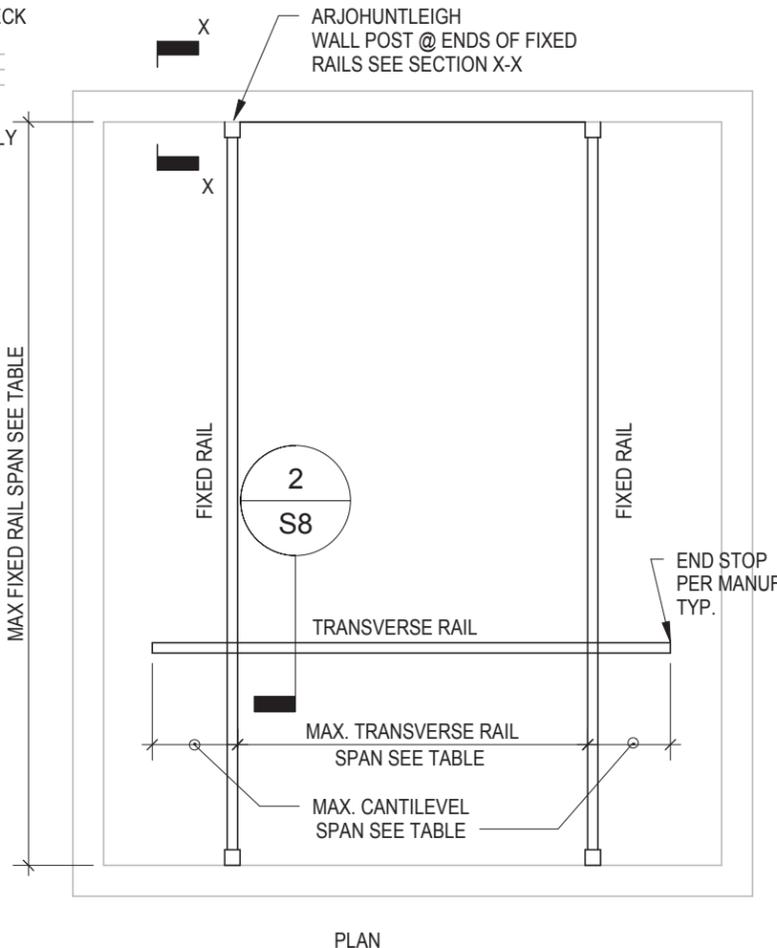
B TOP CONN @ MTL. STUD WALL
N.T.S.



C TOP CONN @ CONC. WALL
N.T.S.



A WALL POST INSTALLATION
N.T.S.



		MAXIMUM RAIL SPANS (inch)			MAXIMUM CANTILEVER ALL LIFT TYPES	
		LIFT TYPE				
TRACK		Portable 440	600	1000		
		H90	88	70	48	12"
		H140	186	163	116	12"
	H180	250	232	169	12"	

TRACK TO BE PROVIDED W/O SPLICES.

Degenkolb
DEGENKOLB ENGINEERS
235 Montgomery Street, Suite 500
San Francisco, CA 94104
415.392.6952 Phone
415.981.3157 Fax
www.degenkolb.com



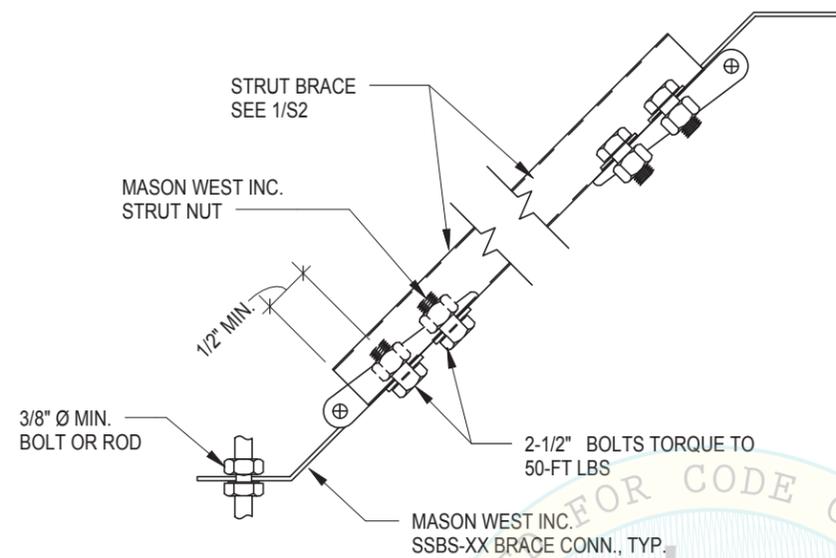
ARJOHUNTLEIGH MAXISKY CEILING LIFTS
MODELS 440, 600 & 1000
Title:
WALL POST

Sheet Number

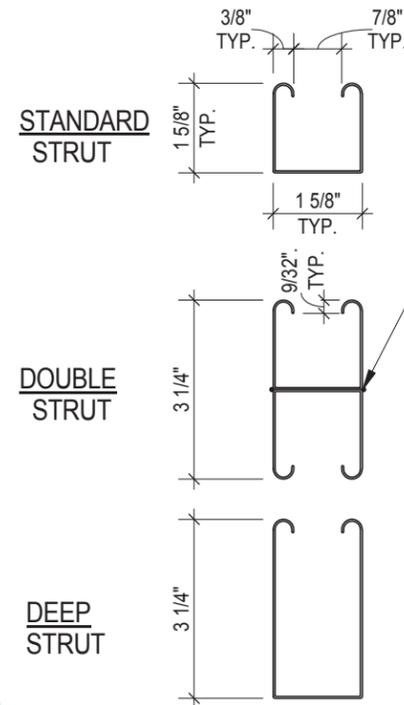
Drawn:	Author	Job number:	B3535007.00
Design:	Designer	Rev:	
Check:	Checker	Scale:	As indicated
Date:	08/25/14		

S6

OF Sheets



3 BRACE CONNECTION
N.T.S.

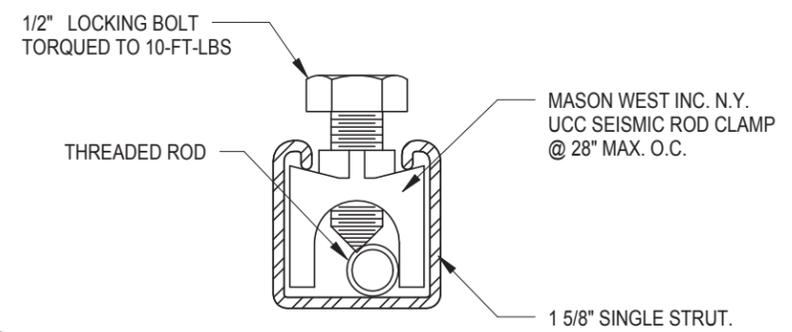


STRUT PROPERTIES

DESIGNATION	STD. STRUT	DOUBLE STRUT	DEEP STRUT
AREA IN ²	0.544	1.088	0.844
WEIGHT lbs/ft	1.89	3.78	3.05
I _x IN ⁴	0.180	0.896	1.073
I _y IN ⁴	0.233	0.466	0.429
S _x IN ³	0.195	0.570	0.609
S _y IN ³	0.287	0.547	0.529

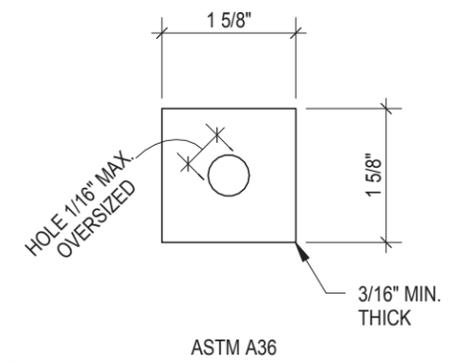
NOTES:
 1. ALL STRUT MANUF. BY MASON WEST INC. ONLY.
 2. ALL STRUT TO BE 12 ga.
 3. ALL STRUT TO BE SOLID W/O PUNCHED HOLES OR SLOTS.

1 BASE PLATE
N.T.S.

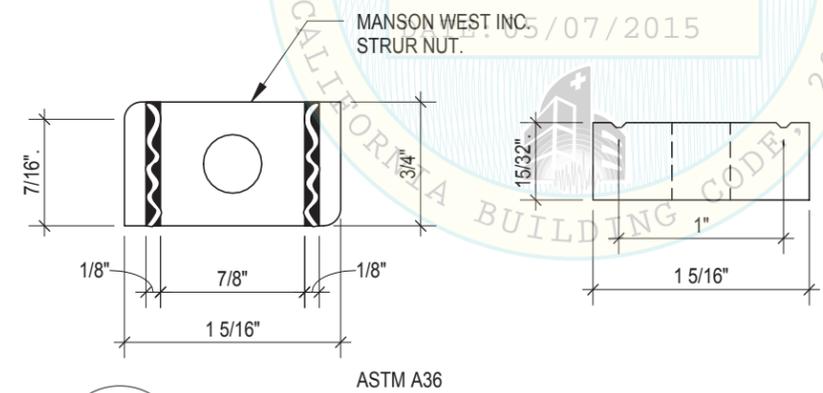


2 SEISMIC ROD CLAMP
N.T.S.

SHEET NOTE: ALL PARTS ON THIS SHEET ARE TO BE PROVIDED BY MASON WEST INC.



5 BASE PLATE
N.T.S.



4 STRUT NUT DIMENSION
N.T.S.

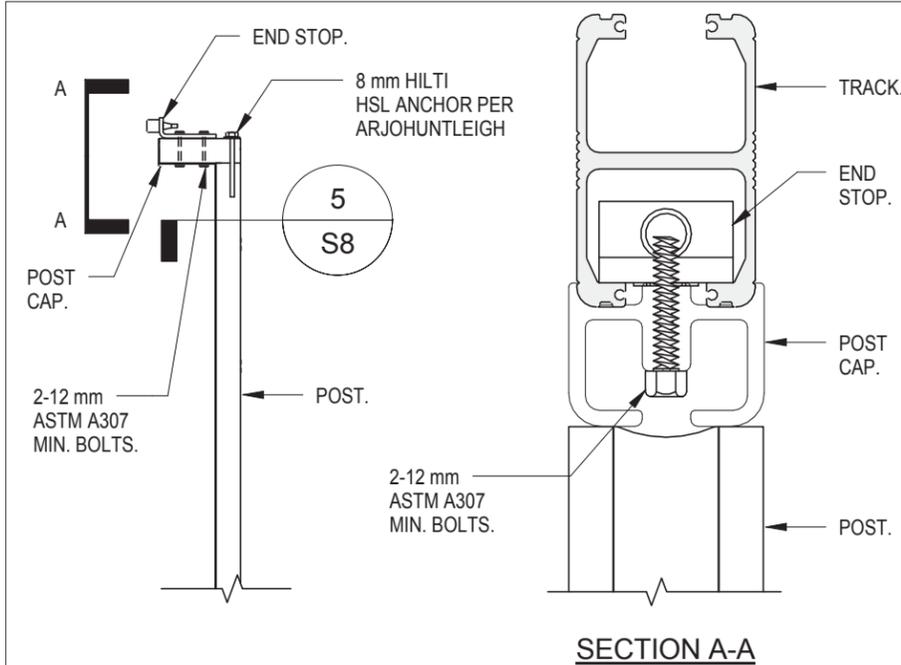
Degenkolb
 DEGENKOLB ENGINEERS
 235 Montgomery Street, Suite 500
 San Francisco, CA 94104
 415.392.6952 Phone
 415.981.3157 Fax
 www.degenkolb.com



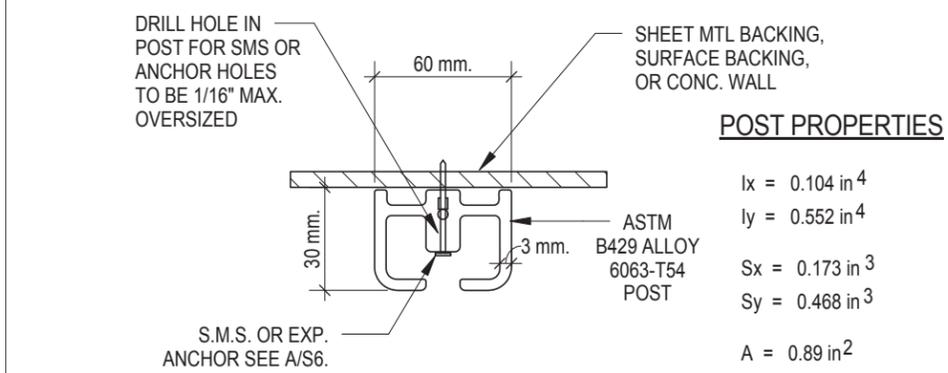
ARJOHUNTLEIGH MAXISKY CEILING LIFTS
 MODELS 440, 600 & 1000
 Title: STRUT PARTS SHEET

Drawn:	QL	Job number:	B3535007.00
Design:	RMG	Rev:	
Check:	RMG	Scale:	As indicated
Date:	03/16/15		

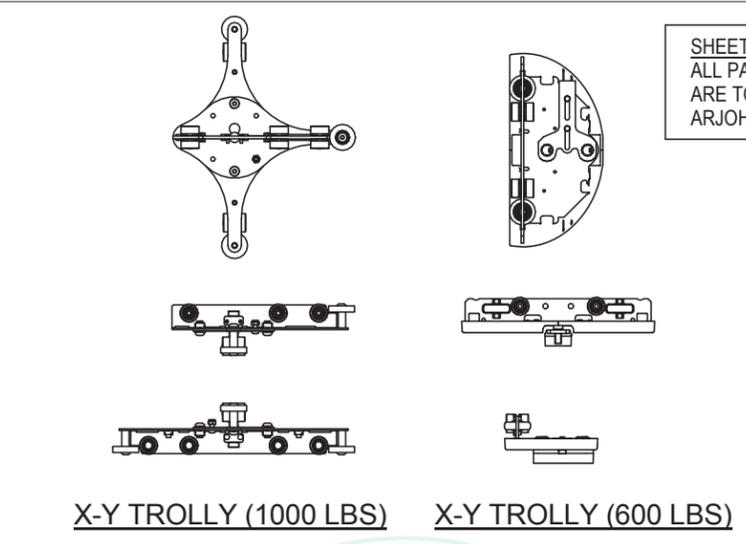
Sheet Number
S7
 OF Sheets



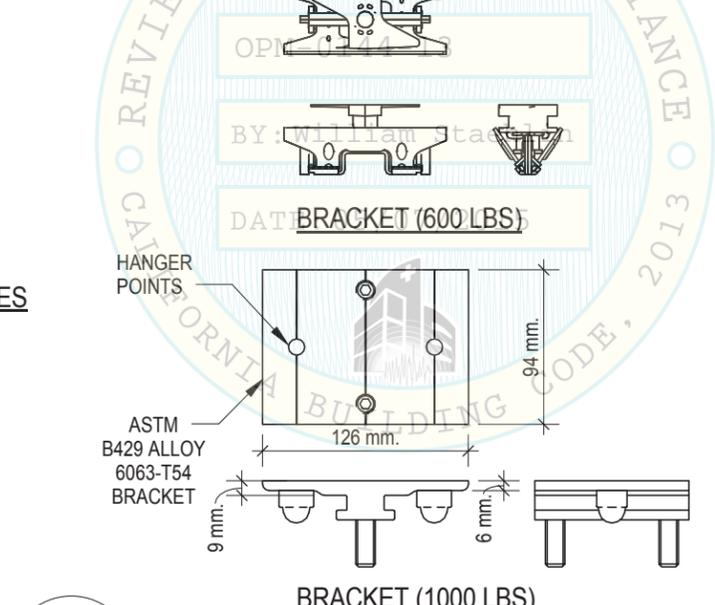
4 TOP OF POST CONN.
N.T.S.



5 SECTION WALL POSTS
N.T.S.



2 TROLLEY
N.T.S.

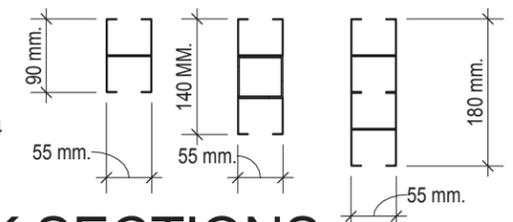


3 TRACK BRACKETS
N.T.S.

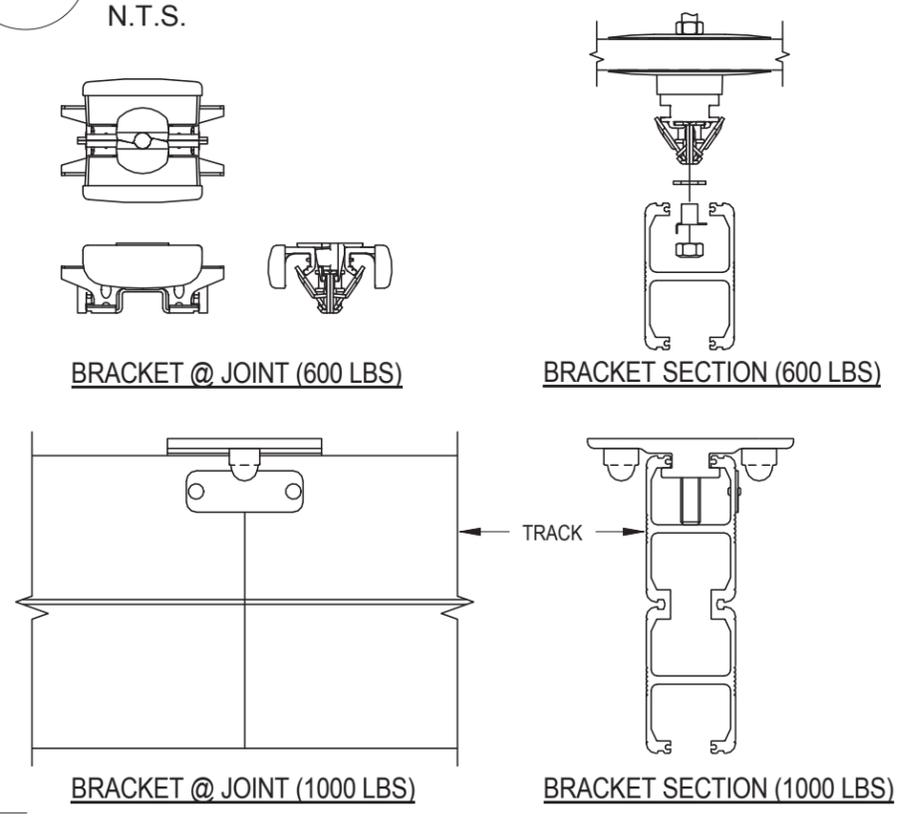
SHEET NOTE:
ALL PARTS ON THIS SHEET ARE TO BE PROVIDED BY ARJOHUNTLEIGH.

Track Properties - ASTM B429 ALLOY 6063-T54			
KWIK track	Track Type		
	H90	H140	H180
A (in.) ²	1.73	2.88	3.56
Sx (in.) ³	1.19	2.75	4.40
Sy (in.) ³	1.18	1.90	2.39
Ix (in.) ⁴	2.11	7.84	15.85
Iy (in.) ⁴	1.29	2.08	2.62
Weight (lb/ft)	2.07	3.43	4.25

NOTE:
ALL TRACK SECTIONS ARE ASTM B429 ALLOY 6063-T54



1 TRACK SECTIONS
N.T.S.



Degenkolb
DEGENKOLB ENGINEERS
235 Montgomery Street, Suite 500
San Francisco, CA 94104
415.392.6952 Phone
415.981.3157 Fax
www.degenkolb.com

ARJOHUNTLEIGH MAXISKY CEILING LIFTS
MODELS 440, 600 & 1000
Title:
ARJOHUNTLEIGH PARTS SHEET

Sheet Number

Drawn:	QL	Job number:	B3535007.00
Design:	RMG	Rev:	
Check:	RMG	Scale:	As indicated
Date:	03/16/15		

S8

OF Sheets