



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

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

OFFICE USE ONLY

APPLICATION #: OPM-0068-13

OSHPD Preapproval of Manufacturer's Certification (OPM)

Type: ☐ New ☐ Renewal ☒ Update to Pre-CBC 2013 OPA Number: 0590-10

Manufacturer Information

Manufacturer: Guldmann Inc

Manufacturer's Technical Representative: Ulrik Moller

Mailing Address: 5560 Skylane Blvd, Ste C Santa Rosa, CA 95403

Telephone: 813-774-2898

Email: um@guldmann.com

Product Information

Product Name: GH3 Patient Lift

Product Type: Patient Lift

OPM-0068-13

Product Model Number: GH3 (motor), 550076 / 550078 (traverse trolley), 550402 (ceiling bracket), A rail, B rail

General Description: Patient lift that includes a motorized lift that travels freely in a suspended ceiling rail system.

DATE: 12/23/2014

Applicant Information

Applicant Company Name: Guldmann Inc

Contact Person: Teresa Downs

Mailing Address: 5560 Skylane Blvd, Ste C Santa Rosa, CA 95403

Telephone: 800-664-8834 x302

Email: TDowns@guldmann.net

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: 12/13/13

Title: Regional Manager

Company Name: Guldmann Inc

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

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY
OSH-FD-700 (REV 5/30/13)

oshpd

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

Registered Design Professional Preparing Engineering Recommendations

Company Name: Structural Design Group, Inc

Name: Larry Dunn California License Number: S4301

Mailing Address: 2455 Bennett Valley Rd, B119 Santa Rosa, CA 95404

Telephone: 707-284-3641 Email: LarryD@s-d-g.net

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): Previous testing for OPA & Analysis

*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): _____

OFFICE USE ONLY – OSHPD APPROVAL VALID FOR CBC 2013 ONLY

Signature: William Staehlin Date: 12/23/2014

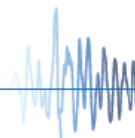
Print Name: William Staehlin

Title: SSE

Condition of Approval (if applicable): _____

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

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY
OSH-FD-700 (REV 5/30/13)



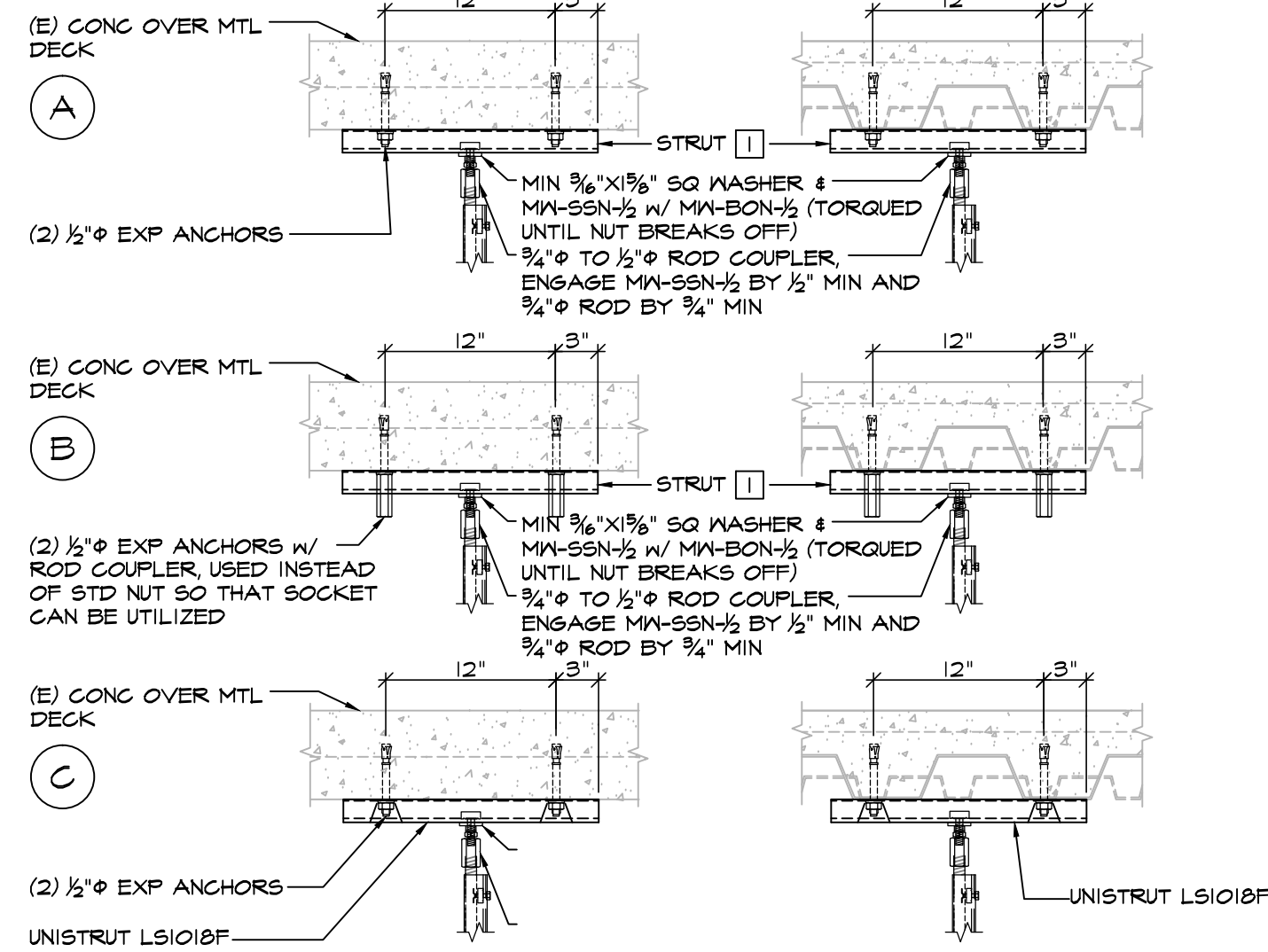
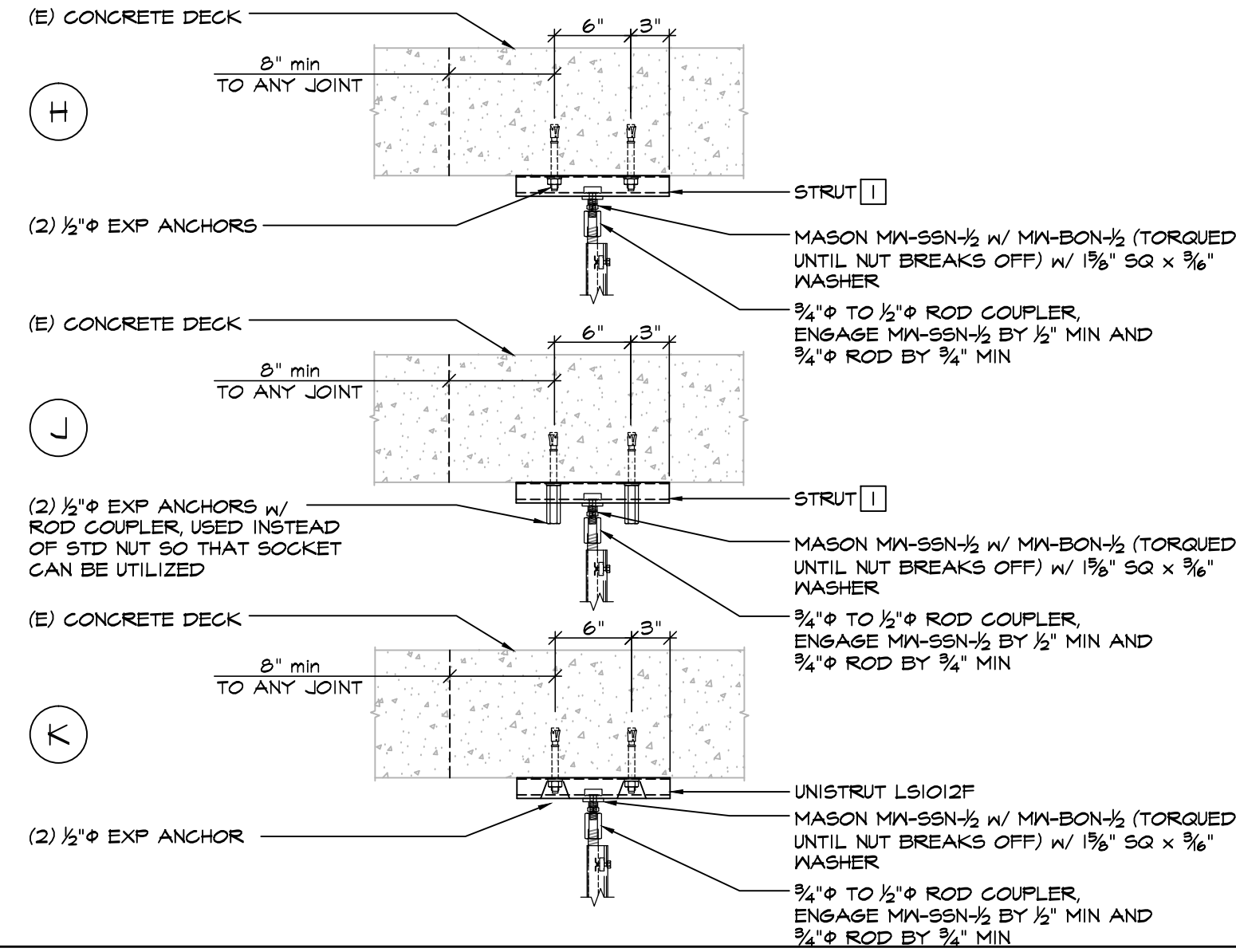
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SUPPORT & ATTACHMENT TO CONCRETE

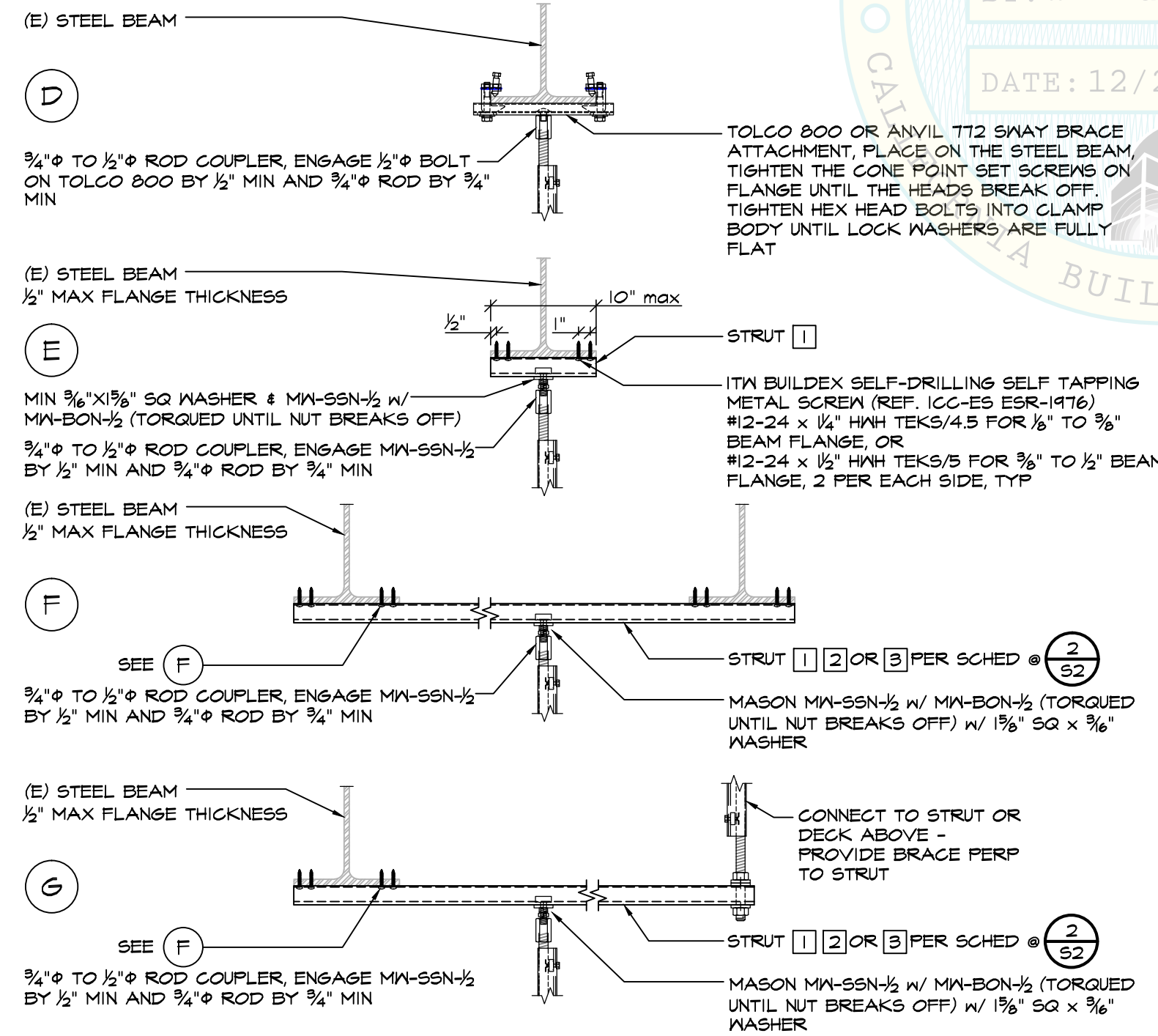
SUPPORT & ATTACHMENT TO CONCRETE OVER METAL DECKING

SUSPENSION ROD MAY ATTACH ANYWHERE BETWEEN ANCHORS

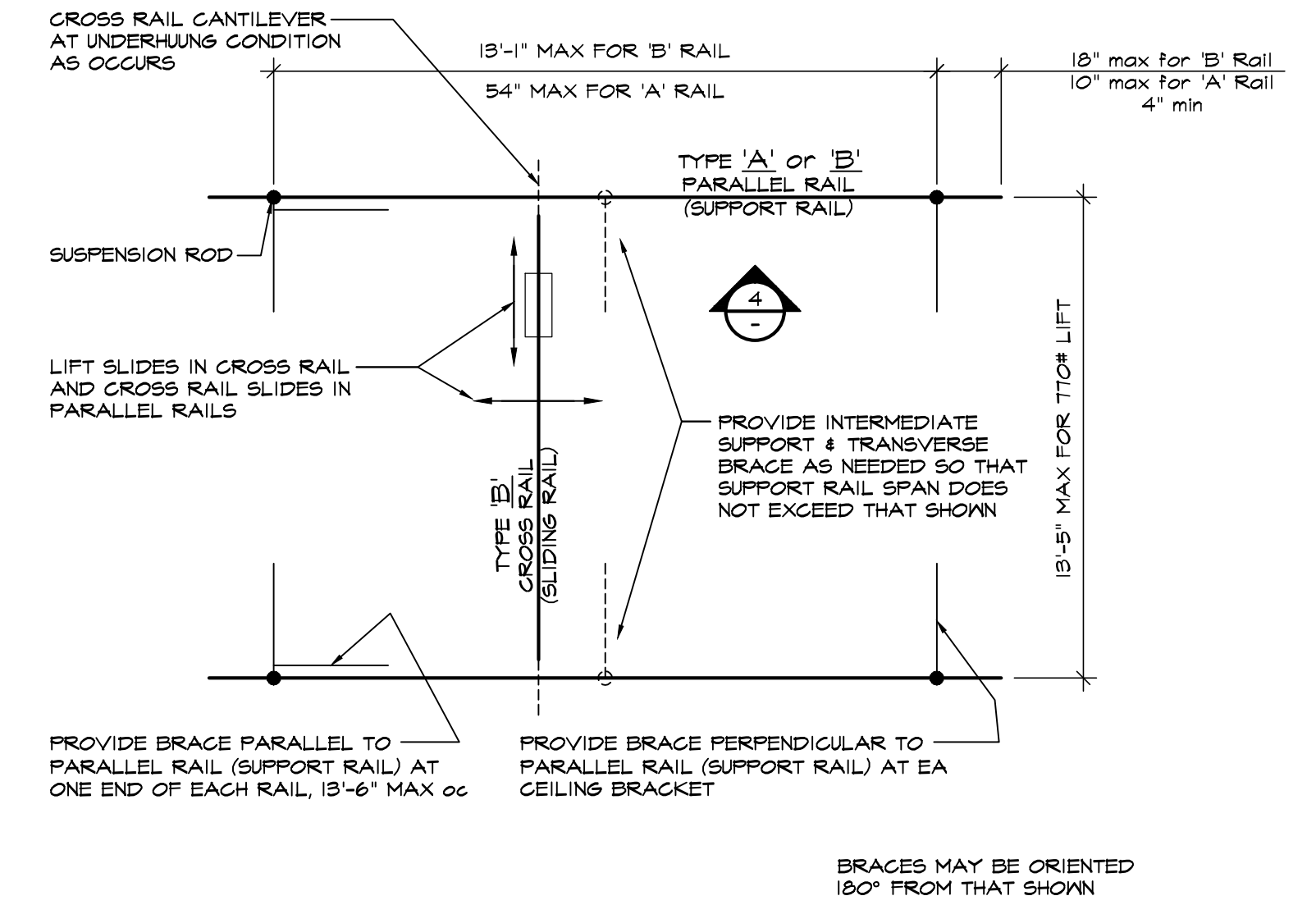
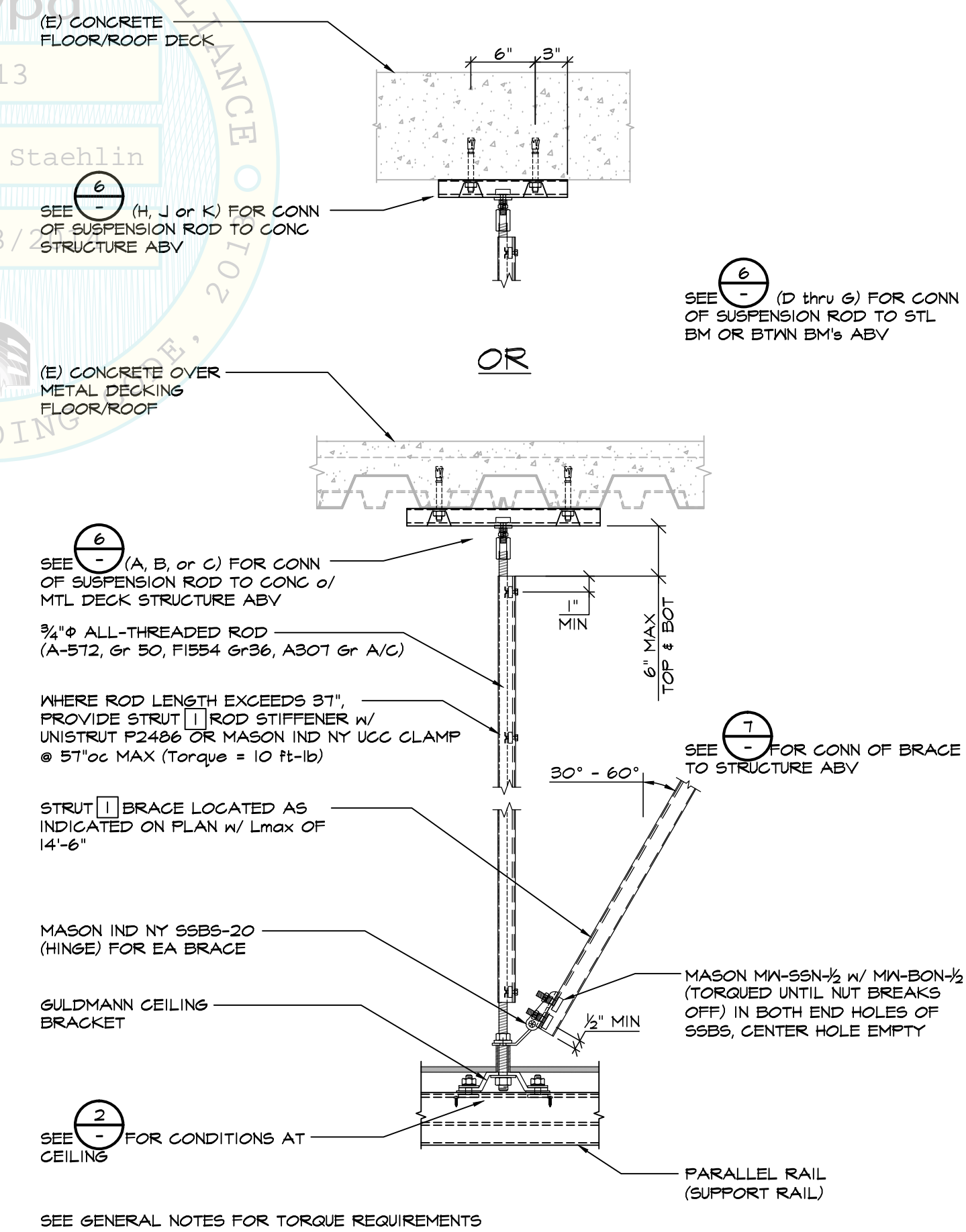


SUPPORT & ATTACHMENT TO BETWEEN STEEL BEAMS

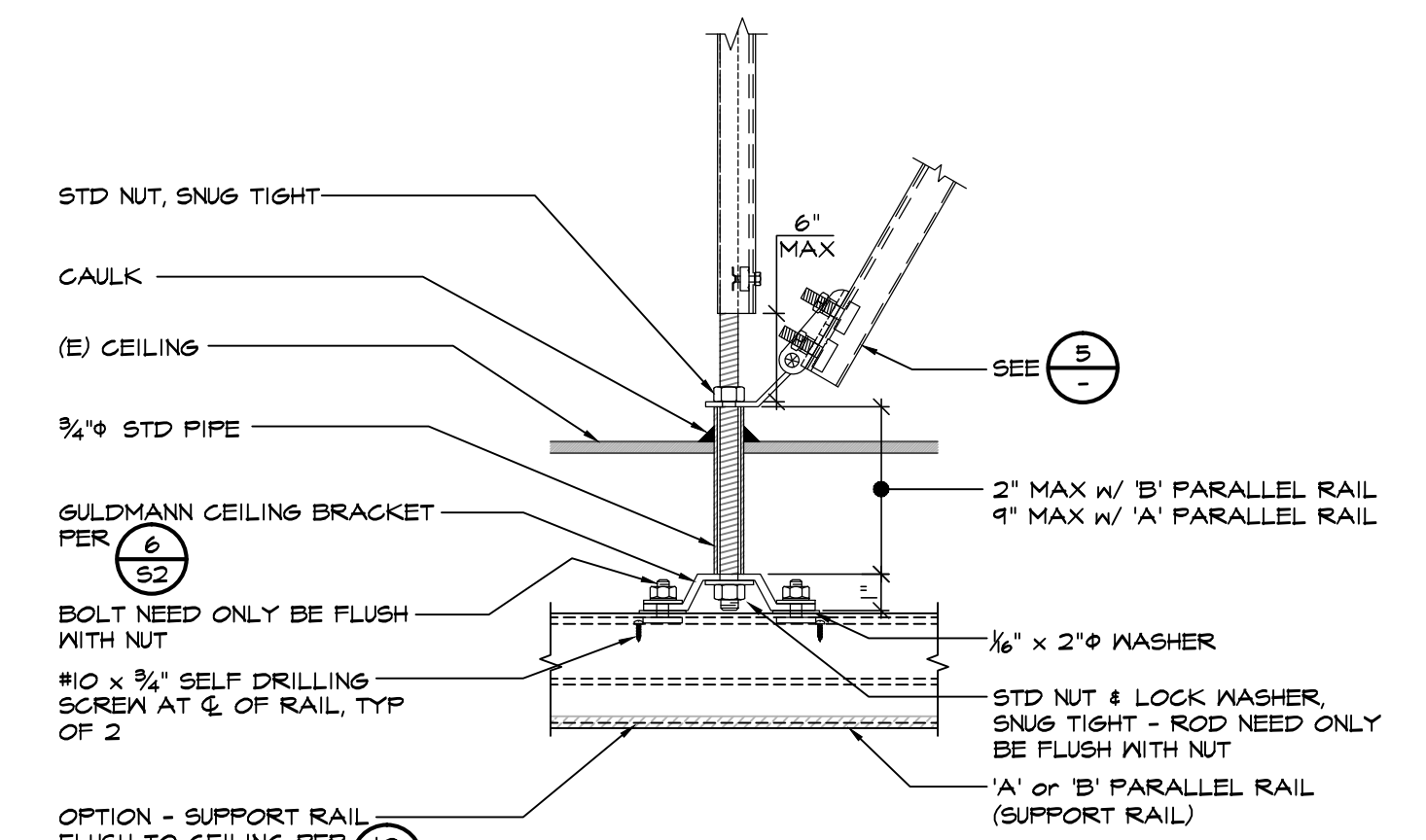
SUSPENSION ROD MAY ATTACH ANYWHERE BETWEEN CLAMPS



4 | SCHEMATIC SECTION



1 | SCHEMATIC PLAN (ROOM COVER SYSTEM)



2 | CONNECTION AT CEILING

- GENERAL NOTES:**
- THIS OSHPD PRE-APPROVAL OF MANUFACTURER'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 DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF GULDMAN FOR EACH SPECIFIC SITE & LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CONSENT. ONLY FITTERS APPROVED BY GULDMAN SHALL INSTALL THIS LIFT SYSTEM.
 - ANCHORAGE DESIGN PER 2013 CALIFORNIA BUILDING CODE - SECTION 1613A & ASCE 7-10 CHAPTERS 12 AND 13. HORIZONTAL FORCE (E_h) = 2.0 W_p (MAX $E_{ps} = 2.0$, $E_p = 2.5$, $E_s = 1.5$, $E_b = 4.5$, $E_t = 1.0$)
VERTICAL FORCE (E_v) = 0.40 W_p
 $W_p = 2.5$ (CONCRETE ANCHOR DESIGN)
 - THIS PROJECT IS SUBJECT TO OSHPD INSPECTIONS PER CBC, TITLE 24. SUBMIT REPORTS TO THE ARCHITECT, OSHPD, ENGINEER AND HOSPITAL. THE FOLLOWING TESTING AND SPECIAL INSPECTION SERVICES SHALL BE PERFORMED BY A QUALIFIED TESTING AGENCY OR IOR IN ACCORDANCE WITH THE CBC, TITLE 24:
 - REVIEW MILL CERTIFICATES
 - TEST UNIDENTIFIED STEEL
 - INSTALLATION TORQUE OF ALL BOLTING
 - 31 ft-lb FOR M10
 - 50 ft-lb FOR 1/2"
 - 125 ft-lb FOR 3/4"
 - INSTALLATION OF EXPANSION ANCHORS PER 11/22
 - LOAD TESTING OF INSTALLED SYSTEM
 - STEEL GRADES:

| | |
|----------------------|----------------------------|
| W SHAPES | ASTM A-992 |
| MISC SHAPES & PLATES | ASTM A-36 |
| PIPE | ASTM A-53 GRADE B |
| MACHINE BOLTS | ASTM A-307 (MB) |
| M10 BOLTS | GRADE 5.8 (MANUF SUPPLIED) |
 - WORKMANSHIP AND DETAILS SHALL CONFORM TO THE AISC SPECIFICATIONS AND THE CBC.
 - BOLT HOLES SHALL BE 1/16" LARGER IN DIAMETER THAN THE BOLT.
 - ANY FIREPROOFING REMOVED FROM (E) ELEMENTS SHALL BE REPLACED WITH THE SAME THICKNESS OF THE SAME OR BETTER MATERIAL AND MEET ALL APPLICABLE CURRENT BUILDING CODE REQUIREMENTS.
 - ALL UNISTRUT PARTS SHALL BE ELECTRO-GALVANIZED (EG) OR PREGALVANIZED (PG). CUT ENDS AND SCRATCHING OF GALVANIZING SHALL RECEIVE A COAT OF COLD GALVANIZING PAINT.

7 | BRACE CONNECTION

- NOTES**
- Acceptable Anchors into hardrock or sand lightweight concrete are 1/2" HILTI KWIK BOLT T2 (CARBON STEEL) - ICC ESR-1917
 - Hole depth = 4"
 - Embedment (h_{em}) = 3#"
 - Installation Torque = 40 ft-lb
 - The following criteria apply for the acceptance of installed anchors: (100% of anchors are to be tested)
TORQUE WRENCH METHOD: The applicable test torque must be reached within One-half (1/2) turn of the nut.
 - Torque wrenches are to be calibrated by an approved testing laboratory in accordance with standard recognized procedures.
 - Testing shall occur a minimum of 24 hours after installation of the subject anchors.
 - All tests shall be performed in the presence of the Inspector.
 - When installing drilled-in anchors and/or powder driven pins in existing non-prestressed reinforced concrete, use care and caution to avoid cutting or damaging the existing reinforcing bars. When installing them into existing prestressed concrete (pre- or post-tensioned) locate the prestressed tendons by using a non-destructive method prior to installation. Exercise extreme care and caution to avoid cutting or damaging the tendons during installation. Maintain a minimum clearance of one inch between the reinforcement and the drilled-in anchor.

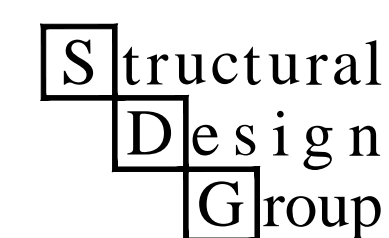
8 | EXPANSION ANCHOR

6 | SUSPENSION ROD ANCHORAGE

5 | TYPICAL SUSPENSION

3 | GENERAL NOTES

CONSULTANT:



2455 Bennett Vly Rd, B119
Santa Rosa, CA 95404
(707) 284-3641
Fax (707) 284-3646
www.s-d-g.net
SDG Job # 13-030



MANUFACTURER:



Guldman
PATIENT LIFTS
5560 SKYLANE BLVD, STE C
SANTA ROSA, CA 95403
TEL: 1.800.664.8834
FAX: 707.591.8993
WWW.GULDMAN.COM

NOTE TO SEOR

- This OSHPD Pre-Approval of Manufacturer'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.
- It is the responsibility of the Structural Engineer of Record (SEOR) for each site specific project to verify:
 - The adequacy of the new or existing structure to resist the forces and weight specified for each piece of equipment in addition to all other loads. Provide and design supplementary members as required.
 - That the anchors are located an adequate distance from any slab edges or openings and from any other new or existing anchors.
 - That the installation is in conformance with the CBC 2013 and with the details shown in this pre-approval.
 - That the actual equipment's weight, center of gravity (CG) location, anchor locations, anchor details, and the material and gage of the equipment where attachments are made, agree with the information shown on these pre-approval documents.

Title

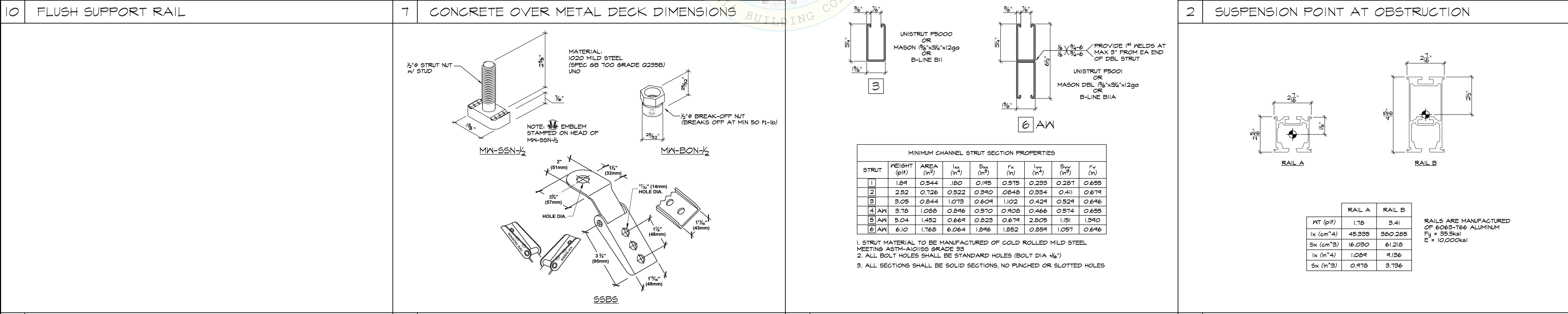
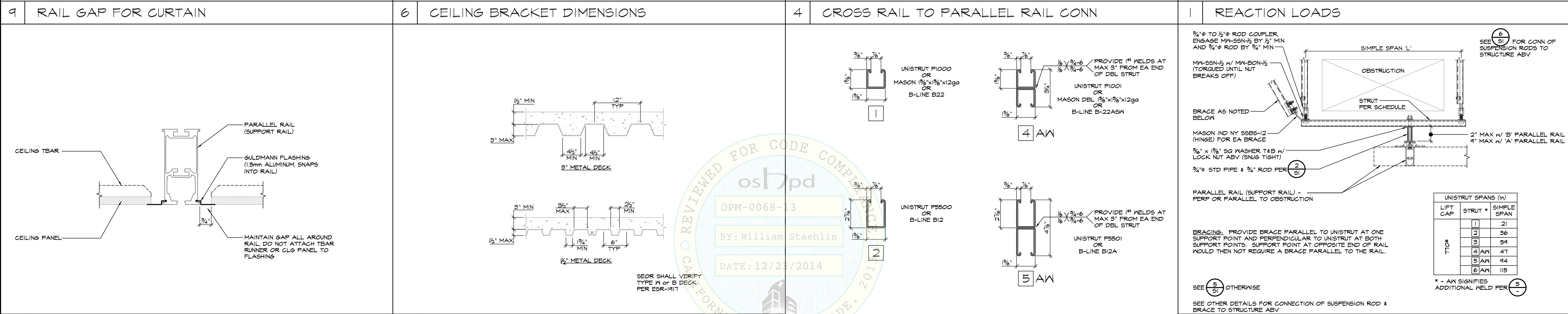
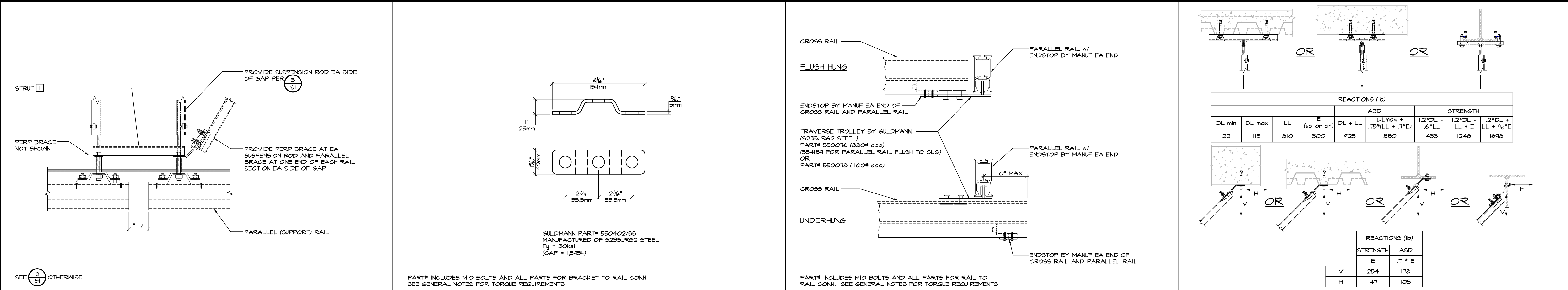
**GULDMAN GH3 PATIENT LIFT
ROOM COVERAGE SYSTEM
(770# PATIENT CAPACITY)**

**SUSPENDED FROM CONCRETE
OR CONCRETE OVER METAL
DECK (w/ STL BEAMS) ONLY**

Scale: NTS

OPM 068-13

S1



11 -

CONSULTANT:

2455 Bennett Vly Rd, B119
Santa Rosa, CA 95404
(707) 284-3641
Fax (707) 284-3646
www.s-d-g.net
SDG Job # 13-030

MANUFACTURER:

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5

5 STRUT PROPERTIES

| STRUT | WEIGHT (p/f) | AREA (in²) | I _{xx} (in⁴) | S _{xx} (in³) | r _{xx} (in) | I _{yy} (in⁴) | S _{yy} (in³) | r _{yy} (in) |
|-------|--------------|------------|-----------------------|-----------------------|----------------------|-----------------------|-----------------------|----------------------|
| 1 | 1.89 | 0.544 | .180 | 0.145 | 0.515 | 0.233 | 0.287 | 0.655 |
| 2 | 2.52 | 0.726 | 0.522 | 0.340 | 0.848 | 0.334 | 0.411 | 0.679 |
| 3 | 3.03 | 0.844 | 1.073 | 0.609 | 1.102 | 0.429 | 0.529 | 0.696 |
| 4 AW | 3.78 | 1.088 | 0.896 | 0.510 | 0.908 | 0.466 | 0.574 | 0.655 |
| 5 AW | 5.04 | 1.452 | 0.669 | 0.823 | 0.679 | 2.805 | 1.151 | 1.390 |
| 6 AW | 6.10 | 1.768 | 6.064 | 1.896 | 1.852 | 0.859 | 1.057 | 0.696 |

1. STRUT MATERIAL TO BE MANUFACTURED OF COLD ROLLED MILD STEEL MEETING ASTM-A1015S GRADE 33
2. ALL BOLT HOLES SHALL BE STANDARD HOLES (BOLT DIA +1/16")
3. ALL SECTIONS SHALL BE SOLID SECTIONS, NO PUNCHED OR SLOTTED HOLES

3

3 RAIL DIMENSIONS

Title

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Scale: NTS

OPM 068-13

S2