



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

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

OFFICE USE ONLY

APPLICATION #: OPM-0058

OSHPD Preapproval of Manufacturer's Certification (OPM)

Type: [ ] New [X] Renewal/Update

Manufacturer Information

Manufacturer: Getinge USA

Manufacturer's Technical Representative: Paul Fraser

Mailing Address: 45 Barbour Pond Drive, Wayne, NJ 07470

Telephone: (201) 574-3596 Email: paul.fraser@getinge.com

Product Information

Product Name: Magnus Surgical Table w/Surgical & Hybrid Floor Mounts

Product Type: Mechanical or Electrical Components

Product Model Number: 1180.01B1 / 1180.01B2 / 1180.01B3

General Description: Operating patient table with variable surgical & hybrid table top options with electronically controlled drive, stainless steel construction

Applicant Information

Applicant Company Name: EASE LLC.

Contact Person: Tiffany Tonn

Mailing Address: 1515 FAIRVIEW AVE, STE 205, MISSOULA, MT 59801

Telephone: (406) 541-3273 Email: tiffany@easeco.com

Title:





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

**Registered Design Professional Preparing Engineering Recommendations**

Company Name: EASE Co.  
Name: Jonathan Roberson California License Number: 4197  
Mailing Address: 5877 Pine Avenue, Suite 210, Chino Hills, CA 91709  
Telephone: (909) 606-7622 Email: j.roberson@easeco.com

**OSHDP Special Seismic Certification Preapproval (OSP)**

Special Seismic Certification is preapproved under OSP OSP Number: \_\_\_\_\_

**Certification Method**

Testing in accordance with:  ICC-ES AC156  FM 1950-16  
 Other(s) (Please Specify): \_\_\_\_\_

\*Use of criteria other than those adopted by the California Building Standards Code, 2019 (CBSC 2019) 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 2019 may be used when approved by OSHDP prior to testing.

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

**OSHDP Approval**

Date: 7/23/2021  
Name: Haeseong Lam Title: Senior Structural Engineer  
Condition of Approval (if applicable): \_\_\_\_\_



**EQUIPMENT ANCHORAGE  
& SEISMIC ENGINEERING**

5877 Pine Ave, Ste. 210  
Chino Hills, CA. 91709  
Phn: (909) 606-7622

Office of Statewide Health Planning and Development  
**PREAPPROVAL OF MANUFACTURER'S CERTIFICATION**  
**OPM-0058**

**THIS PREAPPROVAL CONFORMS TO THE 2019 CALIFORNIA BUILDING CODE**

MANUFACTURER: **MAQUET INC.**

Sheet: 1 of 13

EQUIPMENT NAME: **MAGNUS SURGICAL TABLE W/ SURGICAL AND HYBRID FLOOR MOUNTS**

Date: 7/16/21

**GENERAL NOTES**

1. THIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2019 CBC. THE DEMANDS (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2019 CBC
2. THIS DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER LISTED ABOVE FOR THE SPECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CONSENT.
3. THIS PREAPPROVAL CONFORMS TO THE 2019 CALIFORNIA BUILDING CODE WHERE  $S_{ds}$  IS NOT GREATER THAN 0.80, 0.90, 1.00, 1.10 & 1.20. SEE DETAIL FOR APPLICABILITY
4. FORCES PER ASCE 7-16 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3,  
WHERE  $S_{ds} = 0.80, 0.90, 1.00, 1.10$   $a_p = 1.0, I_p = 1.5, R_p = 1.5, z/h = 0$  AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR  $\Omega$ .  
WHERE  $S_{ds} = 1.00, 1.20$   $a_p = 1.0, I_p = 1.5, R_p = 1.5, z/h \leq 1$  AT CONCRETE SLAB ON METAL DECK.  
SEE FOLLOWING SHEETS FOR  $\Omega$ .
5. THIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUCTURE.
6. ALL DESIGN FORCES SHOWN ON THE DRAWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR STRENGTH DESIGN.
7. CONCRETE SLAB ON METAL DECK DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION IN THE BUILDING. (i.e.  $z/h \leq 1$ )
8. CONCRETE SLAB DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION AT OR BELOW GRADE. (i.e.  $z/h = 0$ )
9. **RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING**
  - A. PROVIDE SUPPORTING STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN ADDITION TO ALL OTHER LOADS.
  - B. VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2019 CBC AND WITH THE DETAILS, MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION SHOWN ON THE PREAPPROVAL DOCUMENTS.
  - C. VERIFY THAT PROJECT SPECIFIC VALUES OF  $S_{ds}$  &  $z/h$  RESULT IN SEISMIC FORCES ( $E_h, E_v$ ) THAT DO NOT EXCEED THE VALUES ON THE DETAILS.
  - D. VERIFY THAT THE CONCRETE SLAB TO WHICH THE EQUIPMENT IS ANCHORED MEETS THE REQUIREMENTS OF THE APPLICABLE ICC ESR REPORT AND THIS OPM.
  - E. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY SLAB EDGES OR OPENINGS (SEE TYPICAL DETAIL ON SHEET 2).
  - F. VERIFY THAT ALL NEW OR EXISTING ANCHORS ARE AN ADEQUATE DISTANCE FROM THE UNIT ATTACHMENTS AND CHECK FOR INTERACTION WHERE OTHER ANCHORS ARE WITHIN 18" OR  $6h_{ef}$  FROM THIS UNIT'S ANCHORS.



### MAQUET INC.

DES. **J. ROBERSON**

SHEET

**2**

JOB NO. **36-1901**

### MAGNUS SURGICAL TABLE W/ SURGICAL AND HYBRID FLOOR MOUNTS

DATE **7/16/21**

OF **13** SHEETS

#### 10. POST INSTALLED ANCHORS:

A. ATTACHMENT IS TO BE MADE WITH THE ANCHORS LISTED BELOW AND INSTALLED AS DESCRIBED IN THE CORRESPONDING ICC REPORT.

Anchor Diameter	Concrete Type	Min. f <sub>c</sub> (psi)	Anchor Type	ICC Report No.	Min. Embed.	Min. Spacing	Min. Edge Dist.	Min. Conc. Thickness	Torque Test	Direct Tension Test
1/2"	Sand Light Weight	3000	Hilti Kwik Bolt TZ2	ESR-4266	2"	6.75"	12"	See Detail "A"	50 FT-LB	N/A
3/8"	Normal Weight	3000	Hilti-RE 500 V3	ESR-3814	4.33"	7.5"	24"	6"	N/A	3950 lb
3/8"	Normal Weight	3000	Hilti-RE 500 V3	ESR-3814	4.33"	8"	24"	10"	N/A	4131 lb

B. THIS PREAPPROVAL ALLOWS FOR UP TO A MAXIMUM OF 2 ADJACENT CONCRETE SLAB EDGES, 24" AWAY MINIMUM (i.e. - CORNER). SEE ADJACENT DETAIL FOR ADDITIONAL MINIMUM ALLOWABLE CONCRETE EDGE DISTANCES.

C. TESTING AND SPECIAL INSPECTION OF EXPANSION ANCHORS SHALL BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY EMPLOYED BY THE FACILITY OWNER PER CBC 1704A & 1910A.5 AND CAC 7-149. ALL REPORTS SHALL BE SENT TO THE INSPECTOR OF RECORD, OWNER AND THE ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE.

(i) AFTER AT LEAST 24 HOURS HAVE ELAPSED SINCE INSTALLATION, DIRECT PULL TENSION TEST OR TORQUE TEST AT LEAST 50% OF THE ANCHORS.

(ii) ACCEPTANCE CRITERIA:

- DIRECT TENSION TEST: THE ANCHOR SHOULD HAVE NO OBSERVABLE MOVEMENT AT THE TEST LOAD. A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER BECOMES LOOSE.
- TORQUE TEST: THE APPLICABLE TORQUE MUST BE ACHIEVED WITHIN THE FOLLOWING LIMITS: WEDGE TYPE : 1/2 TURN OF THE NUT. NOT APPLICABLE FOR EPOXY ANCHORS.

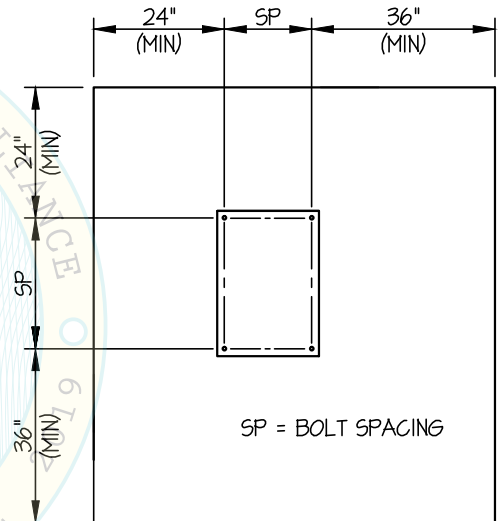
(iii) IF ANY ANCHOR FAILS, TEST ALL ANCHORS.

D. AVOID DAMAGING EXISTING STEEL REINFORCING IN CONCRETE SLAB WHEN INSTALLING CONCRETE EXPANSION ANCHORS.

E. PROVIDE FOR FULL THREAD ENGAGEMENT OF NUT & WASHER.

#### 11. BOLTS THROUGH CONCRETE ON METAL DECK

- BOLTS SHALL BE TORQUED BY 3/4 TURN OF THE NUTS AFTER THE SNUG TIGHT (THE SNUG-TIGHT CONDITION IS DEFINED AS THE TIGHTNESS REQUIRED TO BRING THE CONNECTED PLIES INTO FIRM CONTACT) CONDITION IS ACHIEVED, UNLESS OTHERWISE NOTED.
- THROUGH BOLT HOLES SHALL BE 1/16" LARGER THAN BOLT SIZE (HOLE SIZE = BOLT SIZE + 1/16") FOR CONCRETE.
- THROUGH-BOLTS IN CONCRETE SHALL RECEIVE SPECIAL INSPECTION AND TESTING (THROUGH BOLTS WITH STEEL TO STEEL CONNECTION IN TENSION DO NOT REQUIRE TENSION TESTING) IN ACCORDANCE WITH REQUIREMENTS FOR POST-INSTALLED ANCHORS.



TYPICAL CONCRETE EDGE DETAIL



### MAQUET INC.

DES. **J. ROBERSON**

SHEET

# 3

## MAGNUS SURGICAL TABLE W/ SURGICAL AND HYBRID FLOOR MOUNTS

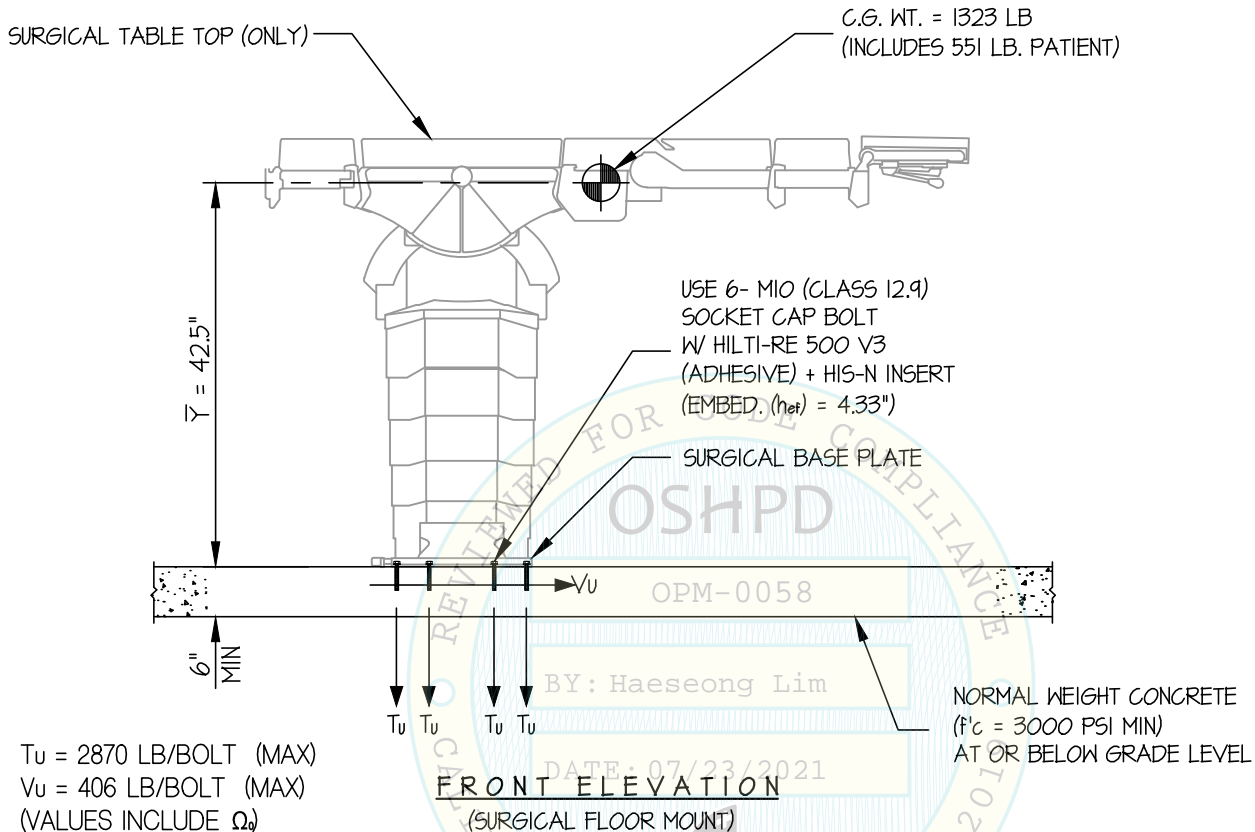
JOB NO. **36-1901**

DATE **7/16/21**

OF **13** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB



**NOTES:**

- FORCES ARE DETERMINED PER 2019 CALIFORNIA BUILDING CODE AND ASCE 7-16**  
STRENGTH DESIGN IS USED. ( $S_{Ds} = 0.90$ ,  $a_p = 1.0$ ,  $I_p = 1.5$ ,  $R_p = 1.5$ ,  $\Omega_0 = 1.5$ ,  $z/h = 0$ )

HORIZONTAL FORCE ( $E_h$ ) =  $0.405 W_p$

HORIZONTAL FORCE ( $E_{mh}$ ) =  $0.61 W_p$  (FOR CONCRETE ANCHORAGE)

VERTICAL FORCE ( $E_v$ ) =  $0.18 W_p$

- CENTER OF GRAVITY (C.G.) AND WEIGHT ARE THE GOVERNING PARAMETERS FOR DESIGN. THIS PREAPPROVAL ENCOMPASSES ALL WEIGHTS UP TO THE MAXIMUM WEIGHT SHOWN.
- STRUCTURAL ENGINEER OF RECORD FOR THE BUILDING SHALL PROVIDE SUPPORT STRUCTURE DESIGNED TO SUPPORT WEIGHTS AND FORCES SHOWN IN COMBINATION WITH ALL OTHER LOADS THAT MAY BE PRESENT.
- SEE GENERAL NOTES: SHEETS 1 AND 2





**MAQUET INC.**

DES. **J. ROBERSON**

SHEET

**4**

**MAGNUS SURGICAL TABLE  
W/ SURGICAL AND HYBRID FLOOR MOUNTS**

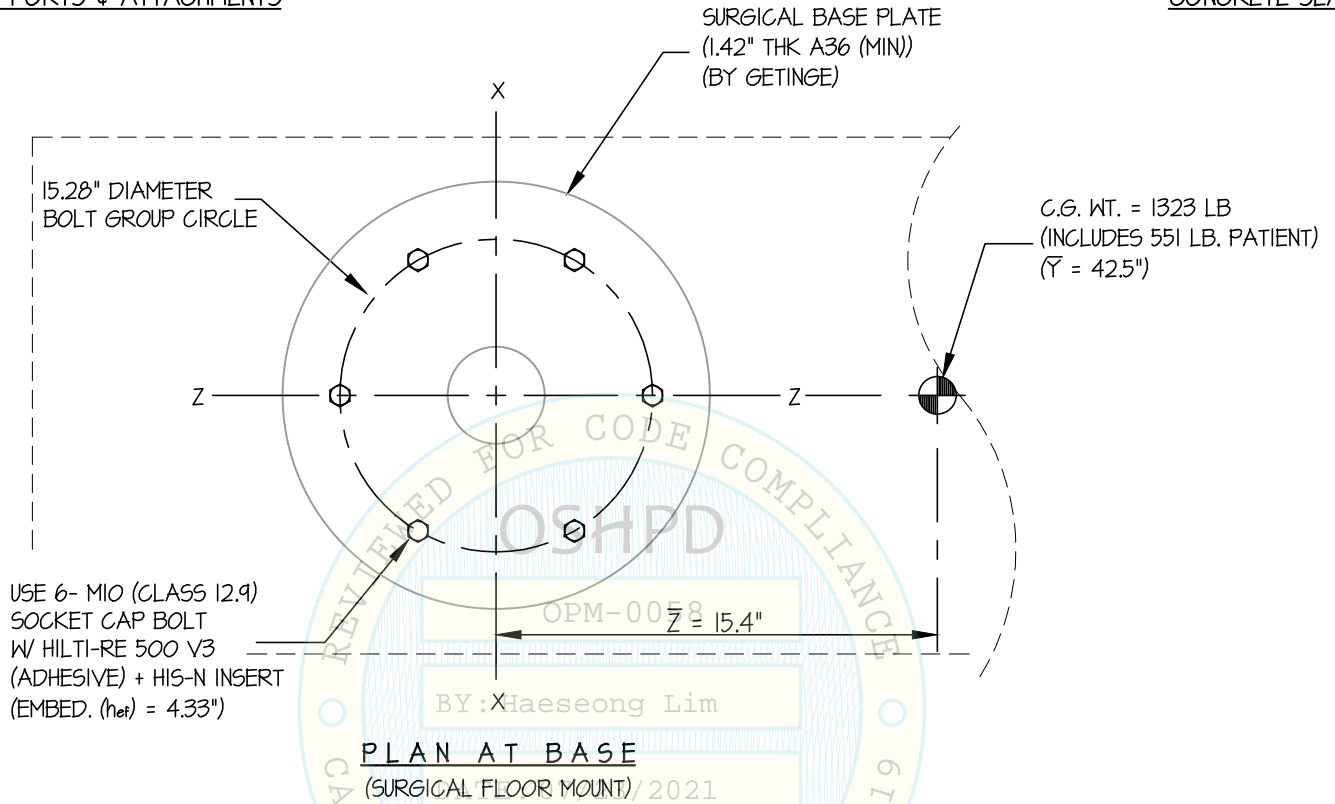
JOB NO. **36-1901**

DATE **7/16/21**

OF **13** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB



### MAQUET INC.

DES. **J. ROBERSON**

SHEET

# 5

JOB NO. **36-1901**

## MAGNUS SURGICAL TABLE W/ SURGICAL AND HYBRID FLOOR MOUNTS

DATE **7/16/21**

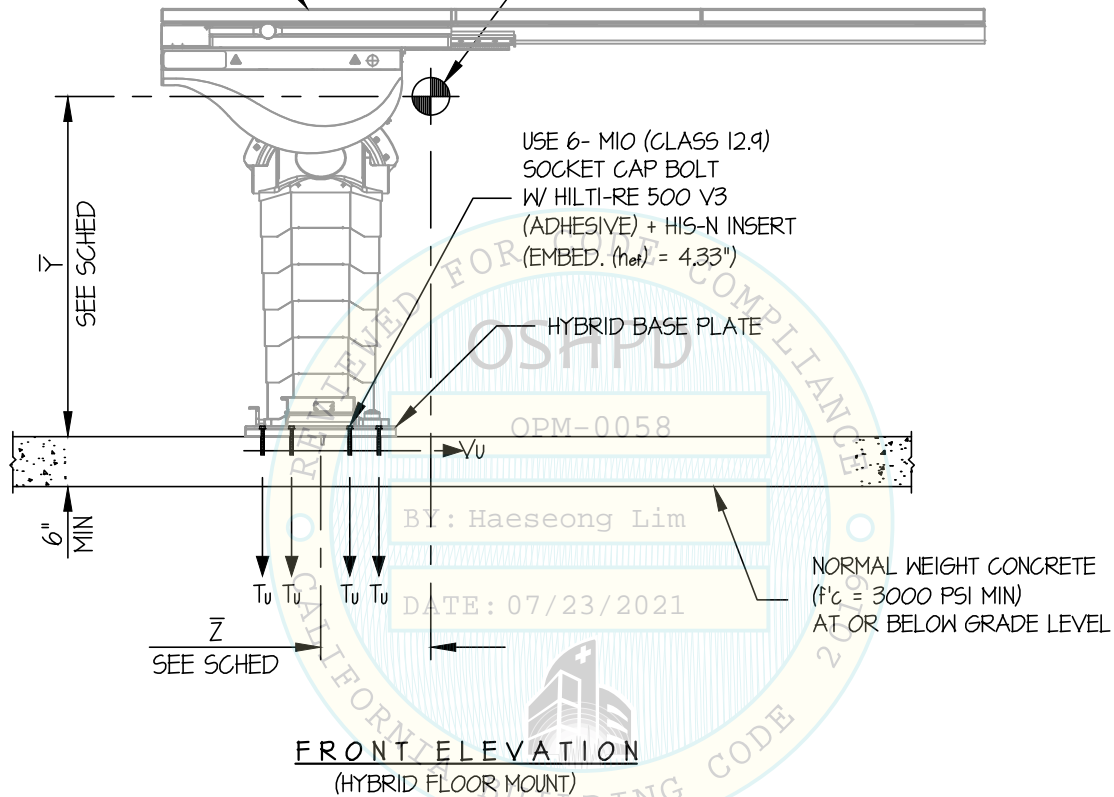
OF **13** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB

SURGICAL OR HYBRID TABLE TOPS  
(HYBRID TABLE TOP SHOWN)

C.G. WT. = SEE SCHED (LB)  
(INCLUDES PATIENT WT)  
( $\bar{Y}$  = SEE SCHED)



**FRONT ELEVATION**  
(HYBRID FLOOR MOUNT)

**NOTES:**

- FORCES ARE DETERMINED PER 2016 CALIFORNIA BUILDING CODE AND ASCE 7-10 STRENGTH DESIGN IS USED. ( $\alpha_p = 1.0$ ,  $l_p = 1.5$ ,  $R_p = 1.5$ ,  $\Omega_o = 1.5$ ,  $z/h = 0$ )

Sds	0.80	1.00	1.10
HORIZONTAL FORCE (Eh)	0.36 Wp	0.45 Wp	0.49 Wp
HORIZONTAL FORCE (Emh)	0.54 Wp	0.68 Wp	0.74 Wp
VERTICAL FORCE (Ev)	0.16 Wp	0.20 Wp	0.22 Wp

(Emh = Eh x  $\Omega_o$ ; FOR CONCRETE ANCHORAGE)

- CENTER OF GRAVITY (C.G.) AND WEIGHT ARE THE GOVERNING PARAMETERS FOR DESIGN. THESE CALCULATIONS ENCOMPASS ALL WEIGHTS UP TO THE MAXIMUM WEIGHT SHOWN.
- STRUCTURAL ENGINEER OF RECORD FOR THE BUILDING SHALL PROVIDE SUPPORT STRUCTURE DESIGNED TO SUPPORT WEIGHTS AND FORCES SHOWN IN COMBINATION WITH ALL OTHER LOADS THAT MAY BE PRESENT.
- SEE GENERAL NOTES: SHEETS 1 AND 2



**MAQUET INC.**

DES. **J. ROBERSON**

SHEET

**6**

**MAGNUS SURGICAL TABLE  
W/ SURGICAL AND HYBRID FLOOR MOUNTS**

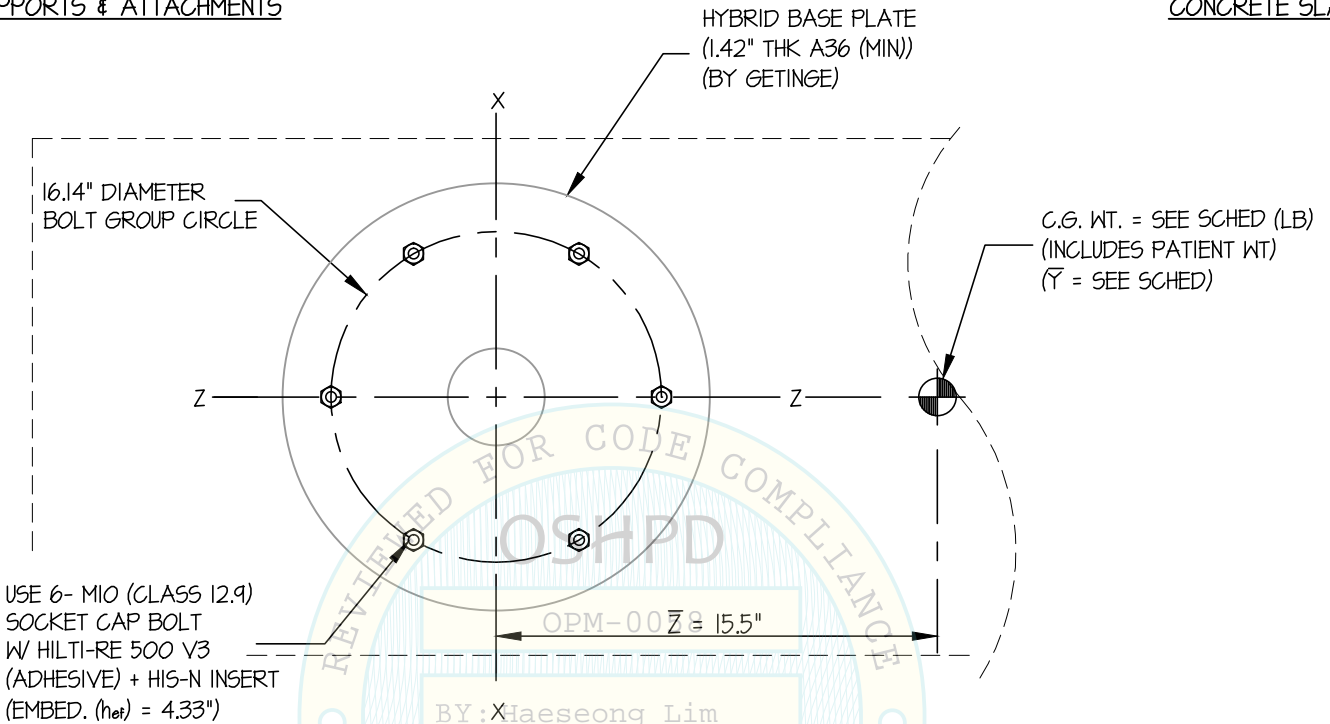
JOB NO. **36-1901**

DATE **7/16/21**

OF **13** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB

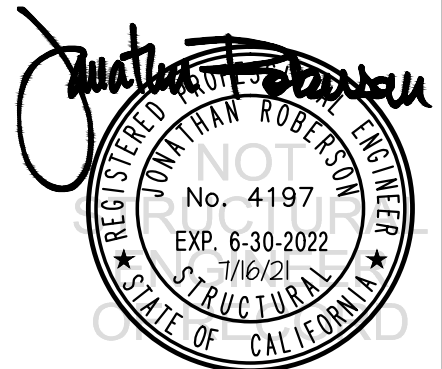
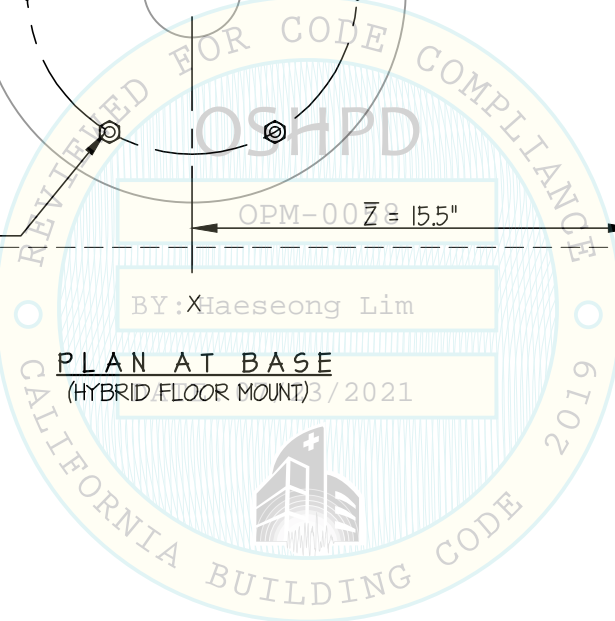


USE 6- M10 (CLASS 12.9)  
SOCKET CAP BOLT  
W/ HILTI-RE 500 V3  
(ADHESIVE) + HIS-N INSERT  
(EMBED. (net) = 4.33")

C.G. WT. = SEE SCHED (LB)  
(INCLUDES PATIENT WT)  
(Y = SEE SCHED)

BY: Xhaeseong Lim

PLAN AT BASE  
(HYBRID FLOOR MOUNT) 3 / 2021





**MAQUET INC.**

DES. **J. ROBERSON**

SHEET

**7**

JOB NO. **36-1901**

**MAGNUS SURGICAL TABLE  
W/ SURGICAL AND HYBRID FLOOR MOUNTS**

DATE **7/16/21**

OF **13** SHEETS

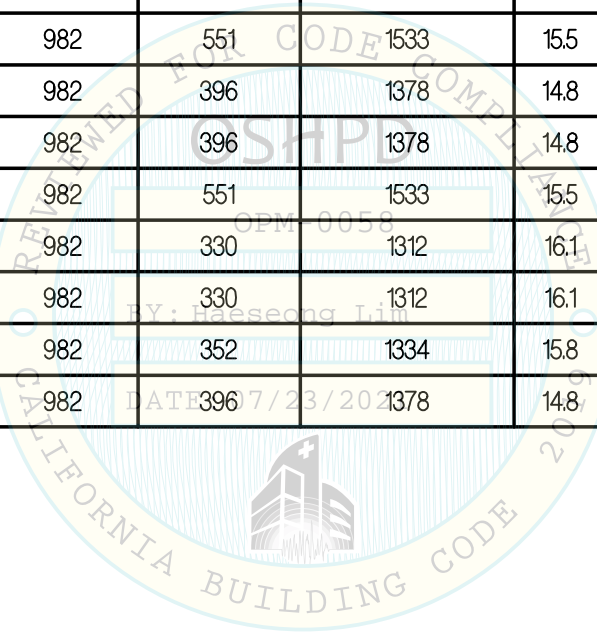
SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB

**HYBRID TABLE TOPS**

Sds MAX	TABLE TOP TYPE	TABLE WEIGHT (lb.)	MAX PATIENT WEIGHT (lb.)	MAX LOADED TABLE WEIGHT (lb.)	Z̄ (in.) MAX	Ȳ (in.) MAX	** Tu (lb.) MAX	** Vu (lb.) MAX
0.80	1180.16X0	982	551	1533	15.5	47.7	3114	403
100	1180.16X1	982	396	1378	14.8	45.7	3164	443
100	1180.16X2	982	396	1378	14.8	45.7	3164	443
0.80	1180.16X3	982	551	1533	15.5	47.7	3114	403
1.10	1180.16X4	982	330	1312	16.1	44.7	3266	485
1.10	1180.16X5	982	330	1312	16.1	44.7	3266	485
1.10	1180.16X6	982	352	1334	15.8	45.1	3318	487
100	1180.16A7	982	396	1378	14.8	45.7	3164	443

\*\* (VALUES INCLUDE Ω)



**MAQUET INC.**

DES. **J. ROBERSON**

SHEET

**8**

**MAGNUS SURGICAL TABLE  
W/ SURGICAL AND HYBRID FLOOR MOUNTS**

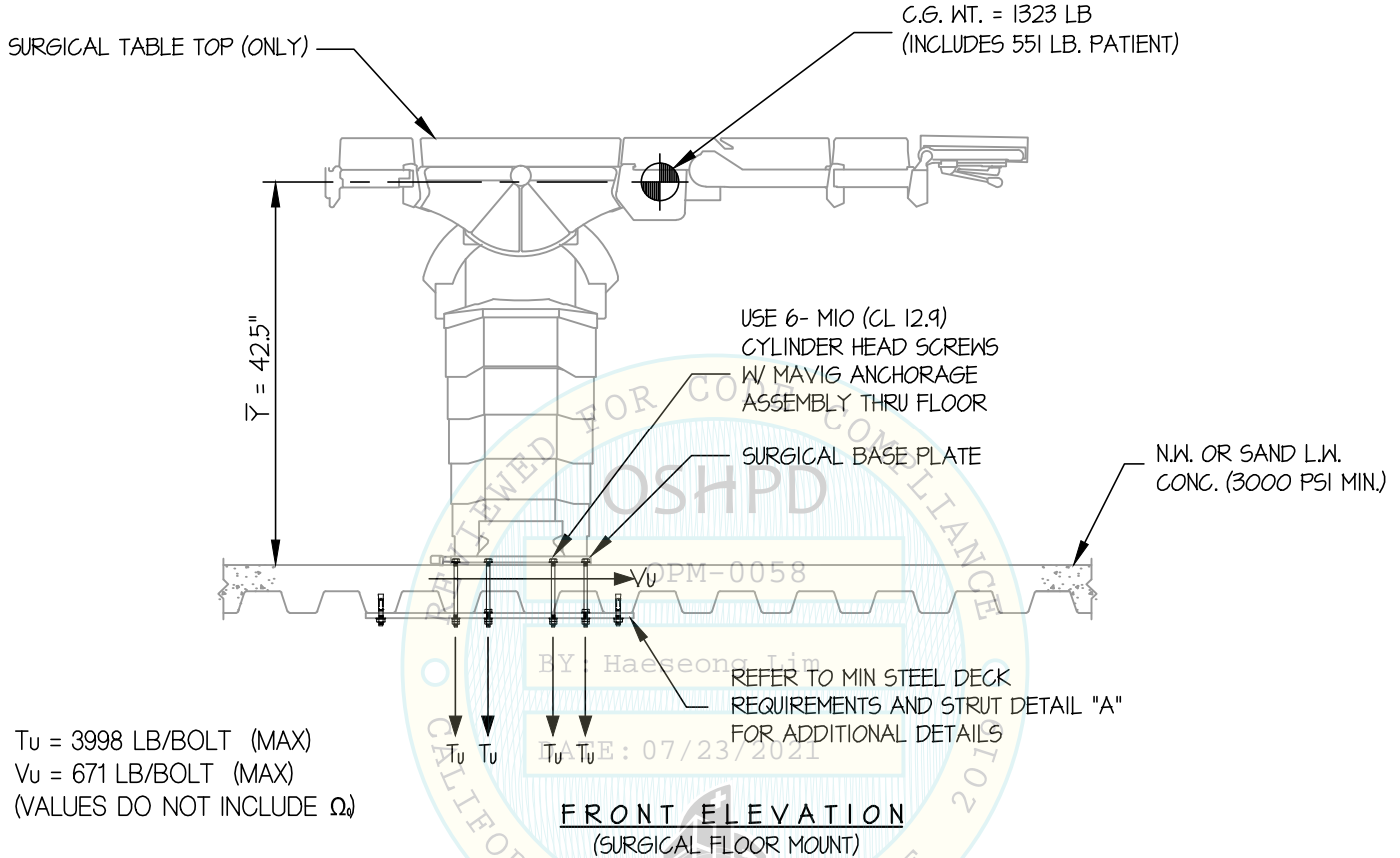
JOB NO. **36-1901**

DATE **7/16/21**

OF **13** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB ON METAL DECK



**NOTES:**

1. **FORCES ARE DETERMINED PER 2019 CALIFORNIA BUILDING CODE AND ASCE 7-16.**

STRENGTH DESIGN IS USED. ( $S_{bs} = 1.20$ ,  $a_p = 1.0$ ,  $l_p = 1.5$ ,  $R_p = 1.5$ ,  $\Omega_o = 1.5$ ,  $z/h \leq 1$ )

HORIZONTAL FORCE ( $0.70 E_h$ ) =  $1.01 W_p$

HORIZONTAL FORCE ( $0.70 E_{mh}$ ) =  $1.52 W_p$  (FOR CONCRETE ANCHORAGE)

VERTICAL FORCE ( $0.70 E_v$ ) =  $0.17 W_p$

2. CENTER OF GRAVITY (C.G.) AND WEIGHT ARE THE GOVERNING PARAMETERS FOR DESIGN. THIS PREAPPROVAL ENCOMPASSES ALL WEIGHTS UP TO THE MAXIMUM WEIGHT SHOWN.

3. STRUCTURAL ENGINEER OF RECORD FOR THE BUILDING SHALL PROVIDE SUPPORT STRUCTURE DESIGNED TO SUPPORT WEIGHTS AND FORCES SHOWN IN COMBINATION WITH ALL OTHER LOADS THAT MAY BE PRESENT.

4. SEE GENERAL NOTES: SHEETS 1 AND 2



**MAQUET INC.**

DES. **J. ROBERSON**

SHEET

**9**

JOB NO. **36-1901**

**MAGNUS SURGICAL TABLE  
W/ SURGICAL AND HYBRID FLOOR MOUNTS**

DATE **7/16/21**

OF **13** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

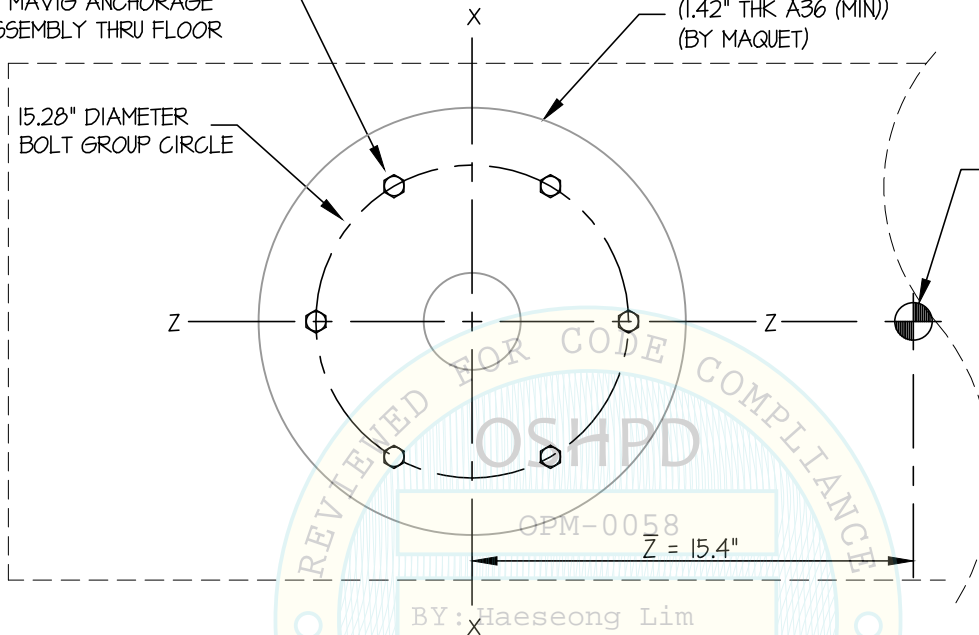
CONCRETE SLAB ON METAL DECK

USE 6- M10 (CL 12.9)  
CYLINDER HEAD SCREWS  
W/ MAVIG ANCHORAGE  
ASSEMBLY THRU FLOOR

SURGICAL BASE PLATE  
(1.42" THK A36 (MIN))  
(BY MAQUET)

15.28" DIAMETER  
BOLT GROUP CIRCLE

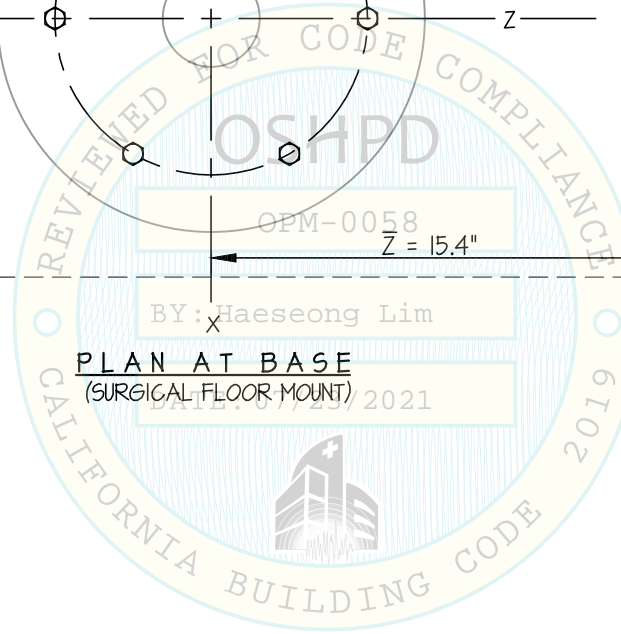
C.G. WT. = 1323 LB  
(INCLUDES 551 LB. PATIENT)  
( $\bar{Y} = 42.5"$ )



OPM-0058  
 $\bar{Z} = 15.4"$

BY: Haeseong Lim

**PLAN AT BASE**  
(SURGICAL FLOOR MOUNT)



**MAQUET INC.**

DES. **J. ROBERSON**

SHEET

**10**

JOB NO. **36-1901**

**MAGNUS SURGICAL TABLE  
W/ SURGICAL AND HYBRID FLOOR MOUNTS**

DATE **7/16/21**

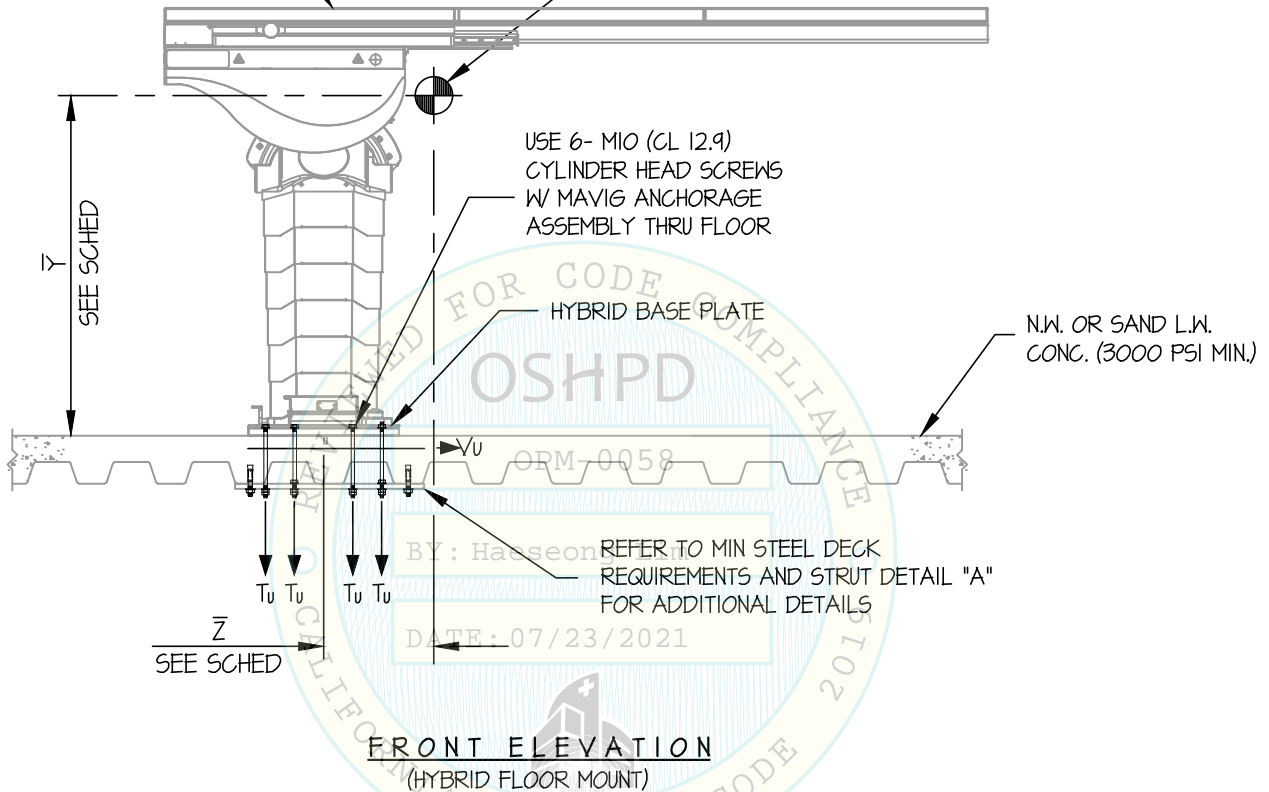
OF **13** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB ON METAL DECK

SURGICAL OR HYBRID TABLE TOPS  
(HYBRID TABLE TOP SHOWN)

C.G. WT. = SEE SCHED (LB)  
(INCLUDES PATIENT WT)  
( $\bar{Y}$  = SEE SCHED)



**NOTES:**

- FORCES ARE DETERMINED PER 2019 CALIFORNIA BUILDING CODE AND ASCE 7-16**  
ALLOWABLE STRESS DESIGN IS USED. ( $\alpha_p = 1.0$ ,  $l_p = 1.5$ ,  $R_p = 1.5$ ,  $\Omega_o = 1.5$ ,  $z/h \leq 1$ )

Sps	100	120
HORIZONTAL FORCE (0.70 Eh)	0.84 Wp	1.01 Wp
HORIZONTAL FORCE (0.70 Emh)	1.26 Wp	1.52 Wp
VERTICAL FORCE (0.70 Ev)	0.14 Wp	0.17 Wp

(Emh = Eh x  $\Omega_o$ ; FOR CONCRETE ANCHORAGE)

- CENTER OF GRAVITY (C.G.) AND WEIGHT ARE THE GOVERNING PARAMETERS FOR DESIGN. THESE CALCULATIONS ENCOMPASS ALL WEIGHTS UP TO THE MAXIMUM WEIGHT SHOWN.
- STRUCTURAL ENGINEER OF RECORD FOR THE BUILDING SHALL PROVIDE SUPPORT STRUCTURE DESIGNED TO SUPPORT WEIGHTS AND FORCES SHOWN IN COMBINATION WITH ALL OTHER LOADS THAT MAY BE PRESENT.
- SEE GENERAL NOTES: SHEETS 1 AND 2



**MAQUET INC.**

DES. **J. ROBERSON**

SHEET

**11**

**MAGNUS SURGICAL TABLE  
W/ SURGICAL AND HYBRID FLOOR MOUNTS**

JOB NO. **36-1901**

DATE **7/16/21**

OF **13** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

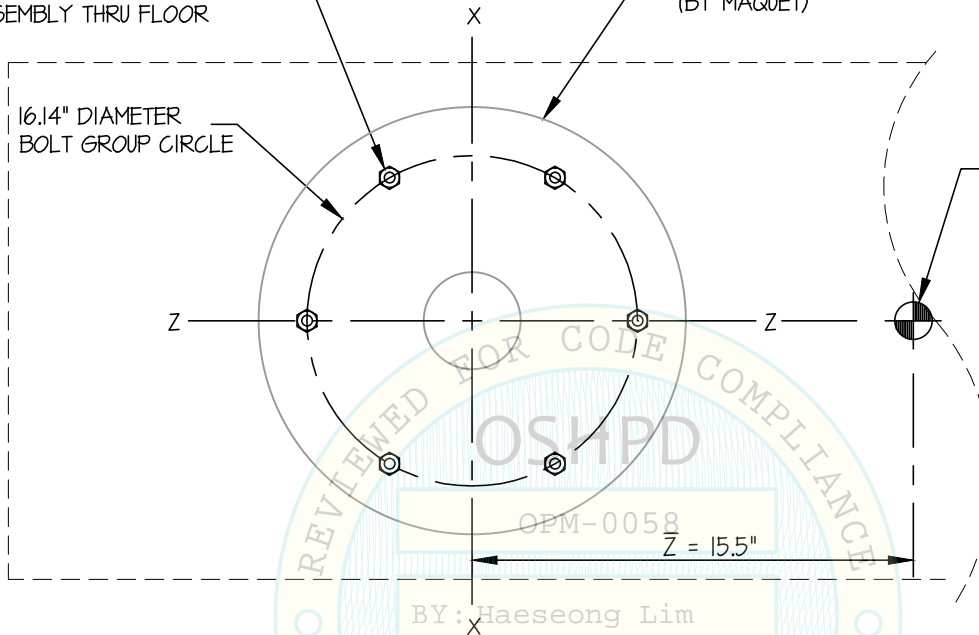
CONCRETE SLAB ON METAL DECK

USE 6- M10 (CL 12.9)  
CYLINDER HEAD SCREWS  
W/ MAVIG ANCHORAGE  
ASSEMBLY THRU FLOOR

HYBRID BASE PLATE  
(1.42" THK A36 (MIN))  
(BY MAQUET)

16.14" DIAMETER  
BOLT GROUP CIRCLE

C.G. WT. = SEE SCHED (LB)  
(INCLUDES PATIENT WT)  
( $\bar{Y}$  = SEE SCHED)



BY: Haeseong Lim

**PLAN AT BASE**  
(HYBRID FLOOR MOUNT) / 2021





**MAQUET INC.**

DES. **J. ROBERSON**

SHEET

**12**

**MAGNUS SURGICAL TABLE  
W/ SURGICAL AND HYBRID FLOOR MOUNTS**

JOB NO. **36-1901**

DATE **7/16/21**

OF **13** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB ON METAL DECK

**HYBRID TABLE TOPS**

Sds MAX	TABLE TOP TYPE	TABLE WEIGHT (lb.)	MAX PATIENT WEIGHT (lb.)	MAX LOADED TABLE WEIGHT (lb.)	Z̄ (in.) MAX	Ȳ (in.) MAX	** Tu (lb.) MAX	** Vu (lb.) MAX
100	1180.16X0	982	551	1533	15.5	47.7	4134	628
120	1180.16X1	982	396	1378	14.8	45.7	4133	657
120	1180.16X2	982	396	1378	14.8	45.7	4133	657
100	1180.16X3	982	551	1533	15.5	47.7	4134	628
120	1180.16X4	982	330	1312	16.1	44.7	3946	661
120	1180.16X5	982	330	1312	16.1	44.7	3946	661
120	1180.16X6	982	352	1334	15.8	45.1	4022	664
120	1180.16A7	982	396	1378	14.8	45.7	4133	657

\*\* (VALUES DO NOT INCLUDE Ω) ALLOWABLE STRESS DESIGN VALUES.



**MAQUET INC.**

DES. **J. ROBERSON**

SHEET

**13**

JOB NO. **36-1901**

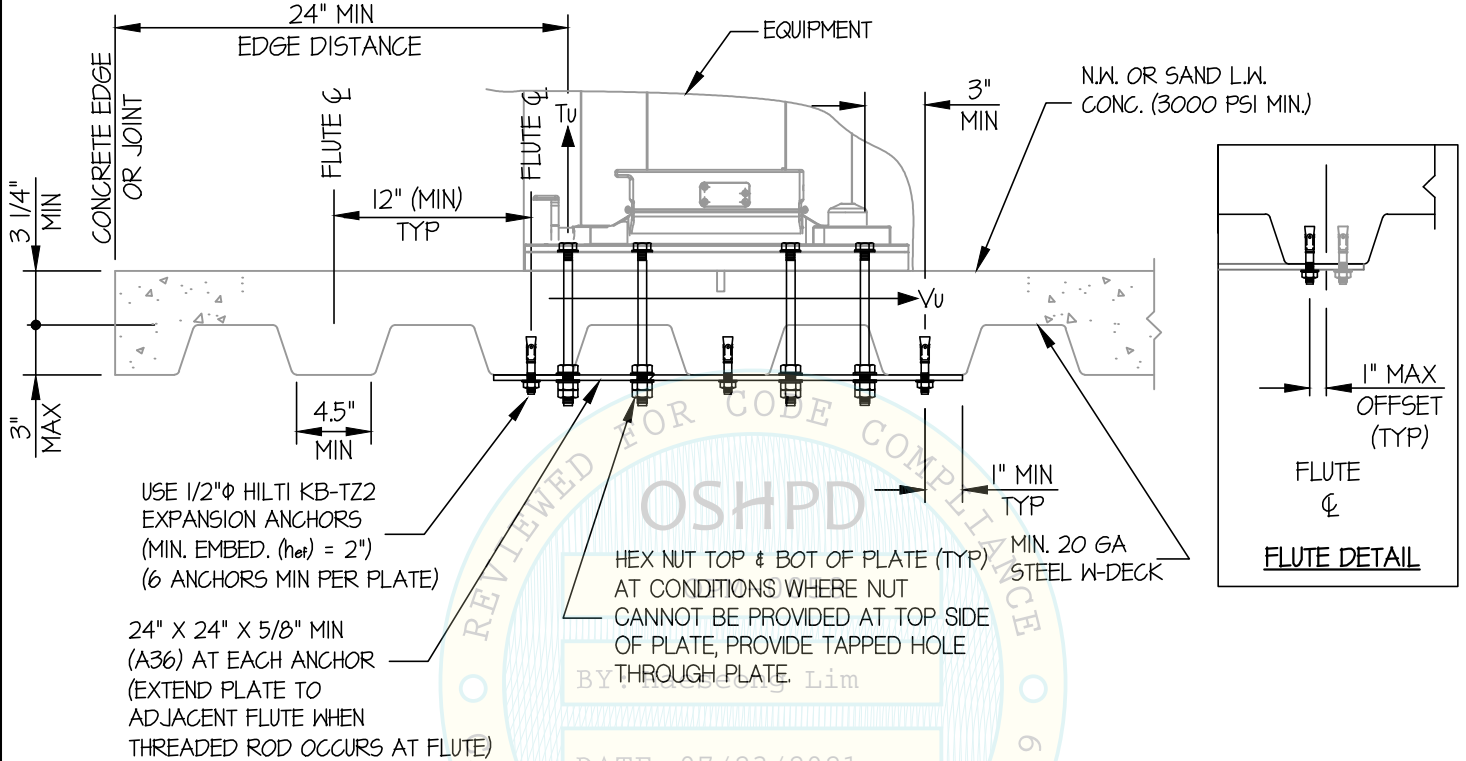
**MAGNUS SURGICAL TABLE  
W/ SURGICAL AND HYBRID FLOOR MOUNTS**

DATE **7/16/21**

OF **13** SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE DETAIL



MIN STEEL DECK REQUIREMENTS AND PLATE DETAIL (A)

