

**APPLICATION FOR OSHPD PREAPPROVAL** 

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

OFFICE USE ONLY

OSHPD Preapproval of Manufacturer's Certification (OPM)										
ype: ⊠ New ☐ Renewal ☐ Update to Pre-CBC 2013 OPA Number:										
Manufacturer Information										
Manufacturer: Omnicell, Inc.										
Manufacturer's Technical Representative:Jim Auchincloss										
Mailing Address: 2003 Gandy Blvd. North, St. Petersburg, FL 33702										
Telephone: (727) 571-1616 x1547 Email: Djim.auchincloss@omnicell.com										
Product Information										
Product Name: Omnicell VBM 200										
Product Type: Automated Pharmacy OPM-0454-13										
Product Model Number: VBM 200F, VBM 200DS										
General Description: Automated medication dispensing unit.										
DATE: 03/11/2019										
The state of the s										
Applicant Information										
Applicant Company Name: Omnicell, Inc.										
Contact Person: Jim Auchincloss										
Mailing Address: 2003 Gandy Blvd. North, St. Petersburg, FL 33702										
Telephone: _(727) 571-1616 x1547 Email: _jim.auchincloss@omnicell.com										
I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2016.										
Signature of Applicant: Jun auchie las Date: 10/24/2017										
Title: Principal Engineer Company Name: Omnicell, Inc.										

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







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Registered Design Professional Preparing Engineering Recommendations									
Company Name: Degenkolb Engineers									
Name: Adrian M. Nacamuli California License Number: S 4857									
Mailing Address:1300 Clay Street, Suite 900, Oakland, CA 94612									
Telephone: (510) 250-1216 Email: <a href="mailto:nacamuli@degenkolb.com">nacamuli@degenkolb.com</a>									
OSHPD Special Seismic Certification Preapproval (OSP)									
<ul> <li>□ Special Seismic Certification is preapproved under OSP-(Separate application for OSP is required)</li> <li>□ Special Seismic Certification is not preapproved</li> </ul>									
Certification Method(s)									
☐ Testing in accordance with: ☐ ICC-ES AC156 ☐ FM 1950-15 ☐ Other* (Please Specify):									
*Use of criteria other than those adopted by the California Building Standards Code, 2016 (CBSC 2016) 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 2016 may be used when approved by OSHPD prior to testing.  BY: Jeffrey Kikumoto									
Alidiysis									
☐ 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 2016 & ALL PRE-2016 CODE BASED PROJECTS									
Signature: Date: Date: 3/11/2019									
Print Name:									
Title: SE									
Condition of Approval (if applicable):									

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



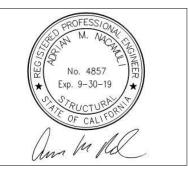




## OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION OPM-0454-13

**OMNICELL VBM 200** 

DEGENKOLB ENGINEERS 1300 Clay Street, Suite 900 Oakland, CA 94612 510.272.9040 PHONE 510.272.5926 FAX



# CABINET MODELS OMNICELL VBM 200F. VBM 200DS

#### **GENERAL NOTES:**

- THIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2016 CALIFORNIA BUILDING CODE (CBC). THE DEMAND (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE CBC 2016.
- 2. PRE-APPROVED DESIGN AND MATERIALS CONFORM WITH THE 2016 EDITION OF THE CALIFORNIA BUILDING CODE. DETAILS WITHIN THIS PRE-APPROVAL MAY BE USED ANYWHERE IN THE STATE OF CALIFORNIA WHERE  $S_{DS} \le 2.00$  FOR SUPPORTS & ATTACHEMENT TO S.O.G AND THRU BOLT OPTIONS (CASES 1 & 2).
- 3. SEISMIC FORCES ON EQUIPMENT DETERMINED PER THE 2016 CBC & ASCE 7-10 SECTION 13.3. ALL LOADS IN THIS PRE-APPROVAL ARE AT STRENGTH LEVEL AND SHALL BE USED FOR STRENGTH DESIGN.

CASE 1 (EQUIPMENT ABOVE GRADE TO ROOF, THRU-BOLT OPTION):

 $S_{DS} \le 2.00$ , ap=1.0,

Rp=1.5, lp=1.5,  $\Omega$ o=1.5, z/h ≤1.0

i. Fp=2.40Wp, Fv=0.40Wp

CASE 2 (EQUIPMENT AT OR BELOW GRADE, EXPANSION ANCHOR OPTION):

 $S_{DS} \le 2.00$ , ap=1.0,

Rp=1.5, Ip=1.5, z/h = 0.0,  $\Omega o = 1.5$ 

i. Fp=0.80Wp, Fv=0.40Wp

- THE STRUCTURAL ENGINEER-OF-RECORD (S.E.O.R.) IS RESPONSIBLE FOR THE FOLLOWING:
  - a. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY SLAB OPENINGS OR EDGES.
  - b. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY NEW OR EXISTING ANCHORS.
  - c. DESIGN ANY SUPPLEMENTARY MEMBERS AND THEIR ATTACHMENTS WHICH THE UNIT IS ANCHORED TO. VERIFY THE ADEQUACY OF ANY EXISTING MEMBERS AND THEIR ATTACHMENTS WHICH THE UNIT IS ANCHORED TO FOR THE FORCES EXERTED ON THEM BY THE UNIT IN ADDITION TO ALL OTHER LOADS AND FORCES.
  - d. VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2016 CBC AND WITH THE DETAILS SHOWN IN THIS PRE-APPROVAL. VERIFY THAT THE EQUIPMENT'S ACTUAL WEIGHT, CG LOCATION, ANCHOR LOCATIONS, ANCHOR DETAILS AND THE MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION SHOWN IN THIS PRE-APPROVAL.
- 5. THE MANUFACTURER SUPPLIED BASE BRACKETS HAVE BEEN EVALUATED FOR THE WORST CASE LOADING PER THE 2016 CBC. STRUCTURAL ENGINEER-OF-RECORD (S.E.O.R.) SHALL EVALUATE BRACKET ANCHORAGE FOR CONDITIONS THAT VARY FROM THIS PRE-APPROVAL.

- 6. CONTRACTOR/INSPECTOR OF RECORD MUST VERIFY ANCHOR SPACING TO EXISTING ADJACENT ANCHORS IS TO BE GREATER THAN 8".
- 7. THIS OPM COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE UNIT TO THE STRUCTURE.
- 8. IF ANY ANCHOR FAILS DURING TESTING, UNIT MUST BE MOVED SO THAT NO ANCHOR IS WITHIN 8" OF AN ABANDONED ANCHOR.
- EXPANSION OR WEDGE ANCHORS INTO CONCRETE: HILTI HSL-3 (ICC ESR-1545) AND HILTI KB-TZ (ICC ESR-1917). INSTALL ANCHORS IN ACCORDANCE WITH THE ICC REPORT AND MANUFACTURER'S RECOMMENDATIONS. TEST AT LEAST 50% OF ANCHORS NO SOONER THAN 24 HOURS AFTER INSTALLATIONS. TESTS SHALL BE CONDUCTED IN THE PRESENCE OF THE INSPECTOR OF RECORD (IOR) AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO OSHPD.

TEST PER ONE OF THE FOLLOWING METHODS:

- A. DIRECT PULL TENSION TEST. ANCHOR IS ACCEPTABLE IF NO MOVEMENT IS OBSERVED AT THE TEST LOAD GIVEN IN TABLE BELOW. MOVEMENT MAY BE DETERMINED WHEN THE WASHER UNDER THE NUT BECOMES LOOSE.
- B. TORQUE WRENCH TEST: TEST ANCHORS TO THE REQUIRED TORQUE LOAD GIVEN IN TABLE BELOW WITHIN THE LIMIT OF ONE-HALF TURN OF THE NUT.

- 10. FOR BOLTS THROUGH CONCRETE FILL ON METAL DECK:
  - A. BOLTS SHALL BE TORQUED BY 3/4 TURN OF THE NUTS AFTER THE SNUG TIGHT CONDITION (SNUG TIGHT CONDITION IS DEFINED AS THE TIGHTNESS REQUIRED TO BRING THE CONNECTED PLIES INTO FIRM CONTACT) IS ACHIEVED.
  - B. THRU-BOLTS IN CONCRETE SHALL RECEIVE SPECIAL INSPECTION IN ACCORDANCE WITH REQUIREMENTS FOR POST-INSTALLED ANCHORS.
- 11. INSTALLATION PROCEDURE:
  - A. MOUNT BASE BRACKETS TO EXISTING STRUCTURE WITH THROUGH BOLTS OR EXPANSION ANCHORS AS SPECIFIED FOR CASE 1 OR 2.
  - B. ROLL UNIT OVER BASE BRACKETS AND ATTACH UNIT TO BASE BRACKETS WITH SPECIFIED BOLT, PLATE WASHER AND SPACER.

BUTTOTAG ANCHOR TEST LOAD VALUES									
ANCHOR TYPE	ANCHOR DIAMETER	EMBED hef	TENSION LOAD (LBS)	TORQUE LOAD (FT-LBS)	fc MIN (PSI)	MINIMUM EDGE DIST REQ.	MINIMUM SPACING REQ.	CONCRETE TYPE	MIN CONC. THICKNESS
HILTI HSL-3	M10	2-3/4"	2,640	50	3,000	36"	5"	NORMAL WEIGHT	5"
HILTI KB-TZ	1/2"	2"	2,010	40	3,000	-	6 3/4"	SAND LIGHT WEIGHT	2 1/2"

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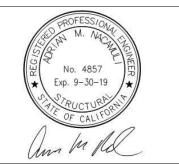
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9. SEE "MINIMUM STEEL DECK REQUIREMENTS" DETAIL FOR SLAB PROPERTIES ON PAGE 3 OF 5

Tult

4737



**CABINET PROPERTIES** 

W

(in)

36

(in)

62

Н

(in)

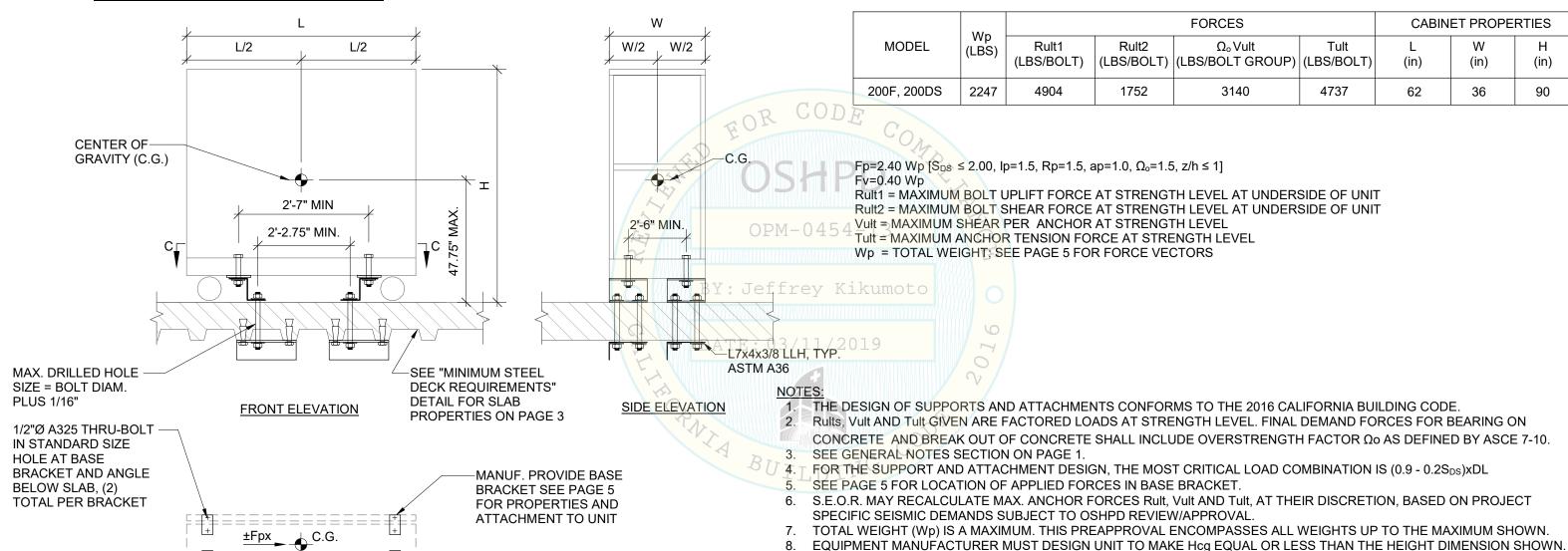
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**CABINET MODELS** OMNICELL VBM 200F. VBM 200DS

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PLAN SECTION C-C

#### CASE 1 - CABINETS ABOVE GRADE



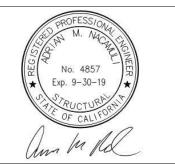
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## OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION OPM-0454-13

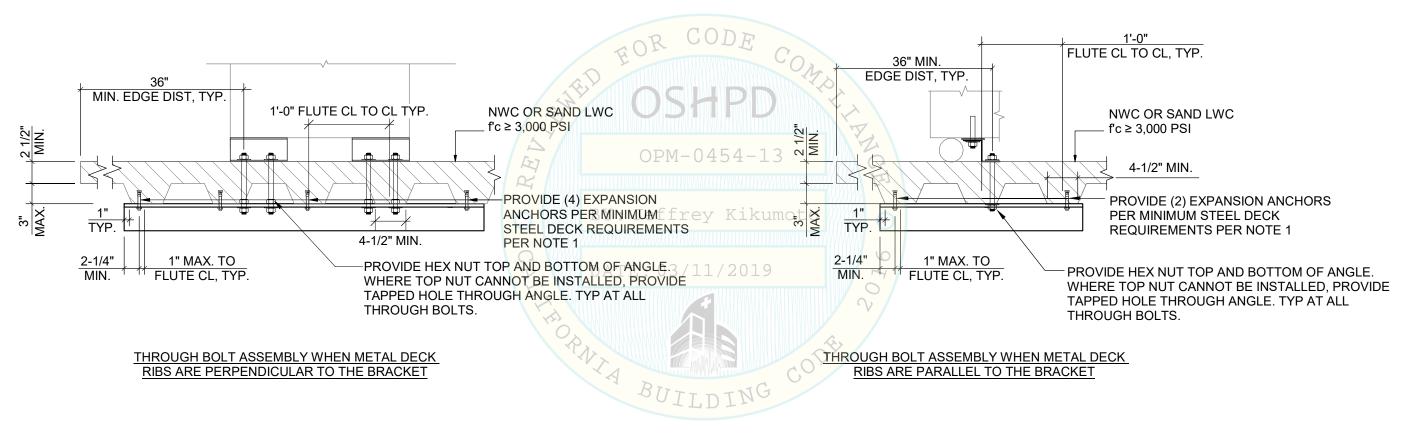
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CABINET MODELS
OMNICELL VBM 200F, VBM 200DS

### MINIMUM STEEL DECK REQUIREMENTS



#### NOTES:

- 1. PROVIDE 1/2" Ø HILTI KB-TZ W/ 2" EMBED EXPANSION ANCHORS TO SUPPORT ANGLE. INSTALL ON THE SLAB RIB INDEPENDENT FROM THROUGH BOLTS. EXTEND ANGLE AS REQUIRED. DO NOT INSTALL EXPANSION ANCHORS IN SLAB RIBS WHERE THROUGH BOLTS ARE PRESENT.
- 2. W- STEEL DECK TO BE 20 GAGE MIN.

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 $\Omega_{o}$  Tult

(LBS/BOLT)

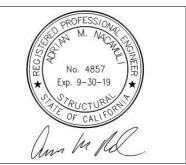
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**FORCES** 

Ω<sub>o</sub> Vult

(LBS/BOLT)

578



**CABINET PROPERTIES** 

(in)

36

(in)

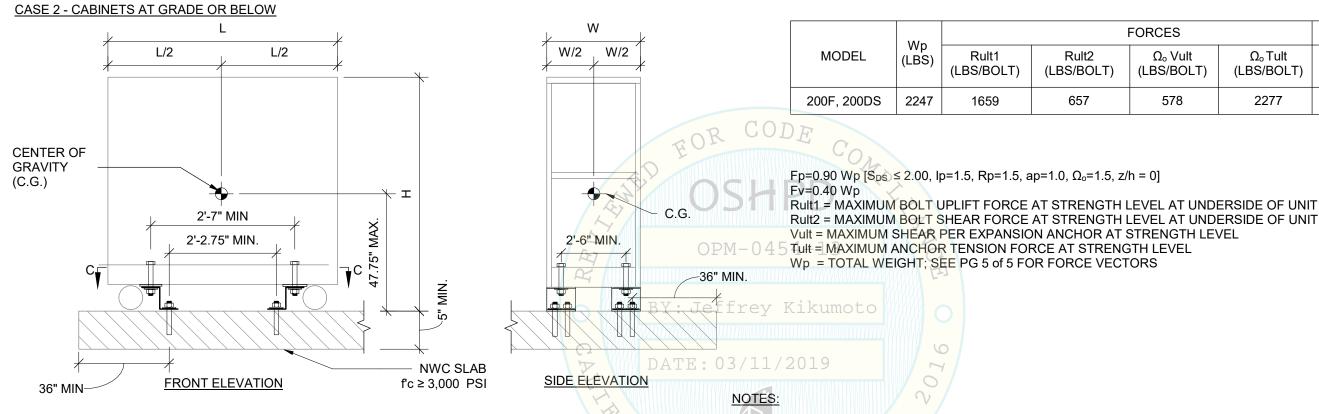
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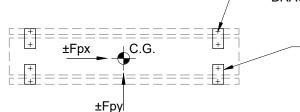
(in)

90

### **CABINET MODELS OMNICELL VBM 200F, VBM 200DS**



-HILTI HSL-3 M10 EXPANSION ANCHORS W/ A MIN. HOLE DEPTH INTO CONC. OF 3-1/2" TO PROVIDE AN EFFECTIVE EMBEDMENT OF 2-3/4". INSTALL IN STANDARD SIZE HOLE AT BASE BRACKET, (2) EXPANSION ANCHORS TOTAL PER **BRACKET** 



MANUF. PROVIDE BASE **BRACKET SEE PAGE 5** FOR PROPERTIES AND ATTACHMENT TO UNIT

PLAN SECTION C-C

1. THE DESIGN OF SUPPORTS AND ATTACHMENTS CONFORMS TO THE 2016 CALIFORNIA BUILDING CODE.

Rult2

(LBS/BOLT)

657

Rult1

1659

- 2. Rults, Vult AND Tult GIVEN ARE FACTORED LOADS AT STRENGTH LEVEL. FINAL DEMAND FORCES FOR BEARING ON CONCRETE AND BREAK OUT OF CONCRETE SHALL INCLUDE OVERSTRENGTH FACTOR Ωo AS DEFINED BY ASCE 7-10. 3. SEE GENERAL NOTES SECTION ON PAGE 1.
- 4. FOR THE SUPPORT AND ATTACHMENT DESIGN, THE MOST CRITICAL LOAD COMBINATION IS (0.9 0.2S<sub>DS</sub>)xDL
- 5. SEE PAGE 5 FOR LOCATION OF APPLIED FORCES IN BASE BRACKET.
- S.E.O.R. MAY RECALCULATE MAX. ANCHOR FORCES Rult, Vult AND Tult, AT THEIR DISCRETION, BASED ON PROJECT SPECIFIC SEISMIC DEMANDS SUBJECT TO OSHPD REVIEW/APPROVAL.
- TOTAL WEIGHT (Wp) IS A MAXIMUM. THIS PREAPPROVAL ENCOMPASSES ALL WEIGHTS UP TO THE MAXIMUM SHOWN.
- 9. EQUIPMENT MANUFACTURER MUST DESIGN UNIT TO MAKE Hcg EQUAL OR LESS THAN THE HEIGHT DIMENSION SHOWN.
- 10. SEE "MINIMUM STEEL DECK REQUIREMENTS" DETAIL FOR SLAB PROPERTIES ON PAGE 3.

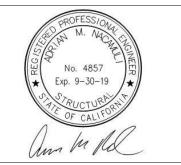
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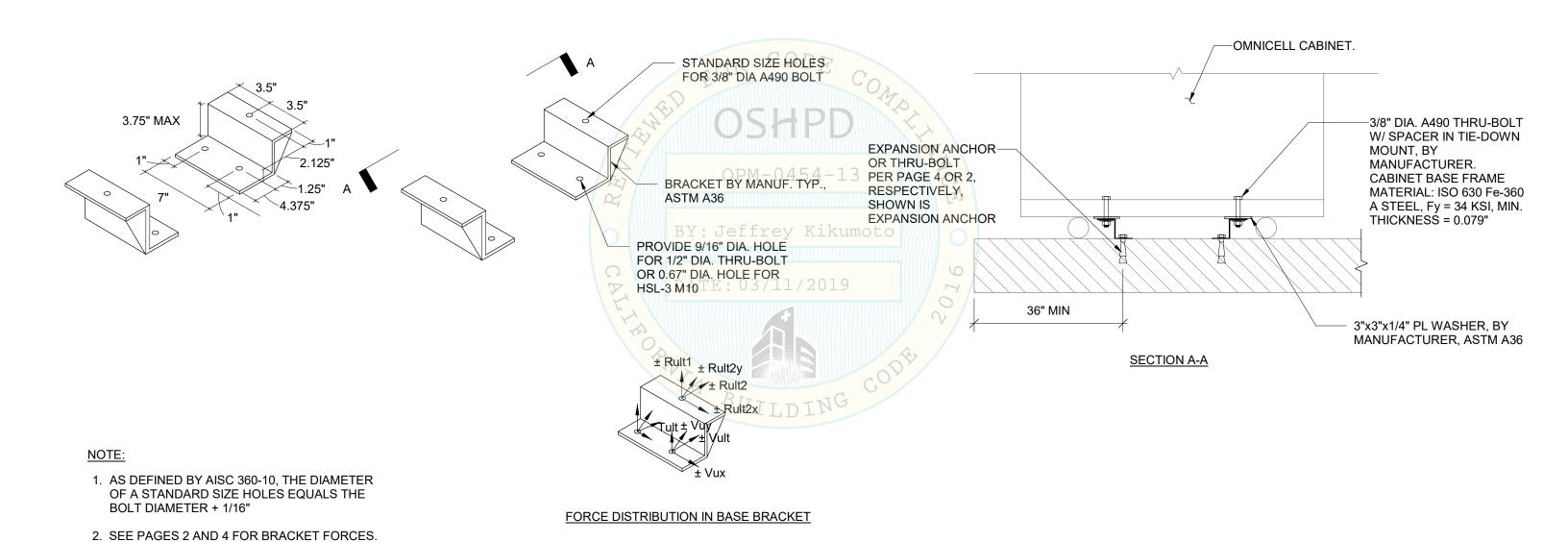
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