

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

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

OFFICE USE ONLY

APPLICATION #: OPM-0454

OSHPD Preap	proval of Manufacturer's Certification (OPM)

Type: New X Renewal/Update

Manufacturer Information

Manufacturer: Omnicell, Inc.

Manufacturer's Technical Representative: Todd Kijowski

Mailing Address: 51 Pennwood Place, Suite 400, Warrendale, PA 15086

Telephone: (724) 741-7777

Email: Todd.Kijowski@omnicell.com

Product Information

Product Name: OMNICELL VBM 200	The second se
Product Type: Automated Pharmacy	CH
Product Model Number: VBM 200F, VBM 200DS	
General Description: Automated medication dispensing unit	

Applicant Information

Applicant Company Name: Omincell, Inc	TNIA .

Contact Person: Todd Kijowski

Mailing Address: 51 Pennwood Place, Suite 400, Warrendale, PA 15086

Telephone:	(724) 741-7777
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Email: todd.Kkjowski@omnicell.com

Title: Engineer V Mechanical Design

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

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

OSHPI



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Registered Design Professonal Prepar	ing Engineering Recommendations
Company Name: DEGENKOLB ENGINEERS	
Name: Chad Closs	California License Number: <u>S5946</u>
Mailing Address: 225 Broadway, Suite 1325,	San Diego, CA 92101
Telephone: (858) 699-5412	Email: ccloss@degenkolb.com
OSHPD Special Seismic Certification P	Preapproval (OSP)
Special Seismic Certification is preapprov	ved under OSP OSP Number:
	OB CODR
Certification Method	E COA
Testing in accordance with:	C156 FM 1950-16
Other(s) (Please Specify):	
and attachments are not permitted. For distrib	ne California Building Standards Code, 2019 (CBSC 2019) for component supports oution system, interior partition wall, and suspended ceiling seismic bracings, test 2019 may be used when approved by OSHPD prior to testing.
X Analysis	BY: Kamalpreet Kalsi
Experience Data	DATE: 09/14/2021
Combination of Testing, Analysis, and/or	Experience Data (Please Specify):
TEN C	RWIA
OSHPD Approval	BUILDING
Date: <u>9/14/2021</u>	
Name: Kamalpreet Kalsi	Title: Senior Structural Engineer

Condition of Approval (if applicable):

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OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION OPM-0454-19

OMNICELL VBM 200

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CABINET MODELS

OMNICELL VBM 200F, VBM 200DS

GENERAL NOTES:

- THIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS 1. BASED ON THE 2019 CALIFORNIA BUILDING CODE (CBC). THE DEMAND (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE CBC 2019.
- 2 PRE-APPROVED DESIGN AND MATERIALS CONFORM WITH THE 2019 EDITION OF THE CALIFORNIA BUILDING CODE. DETAILS WITHIN THIS PRE-APPROVAL MAY BE USED ANYWHERE IN THE STATE OF CALIFORNIA WHERE S_{DS} ≤ 2.00 FOR SUPPORTS & ATTACHEMENT TO S.O.G AND THRU BOLT OPTIONS (CASES 1 & 2).
- SEISMIC FORCES ON EQUIPMENT DETERMINED PER THE 2019 CBC & ASCE 3. 7-16 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, Ip=1.5, Ωo=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 2019 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.
- THE MANUFACTURER SUPPLIED BASE BRACKETS HAVE BEEN 5. EVALUATED FOR THE WORST CASE LOADING PER THE 2019 CBC. STRUCTURAL ENGINEER-OF-RECORD (S.E.O.R.) SHALL EVALUATE BRACKET ANCHORAGE FOR CONDITIONS THAT VARY FROM THIS PRE-APPROVAL.

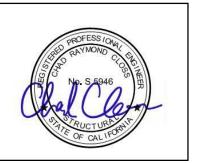
- CONTRACTOR/INSPECTOR OF RECORD MUST VERIFY ANCHOR 6. SPACING TO EXISTING ADJACENT ANCHORS IS TO BE **GREATER THAN 8".**
- 7. THIS OPM COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE UNIT TO THE STRUCTURE.
- 8. IF ANY ANCHOR FAILS DURING TESTING, UNIT MUST BE MOVED SO THAT NO ANCHOR IS WITHIN 8" OF AN ABANDONED ANCHOR.
- EXPANSION OR WEDGE ANCHORS INTO CONCRETE: HILTI HSL-3 9. (ICC ESR-1545) AND HILTI KB-TZ2 (ICC ESR-4266). 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.

Kamalnreet Ka 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.

	BUT	TDING	ANCH	IOR TEST L	OAD VAL	UES			
ANCHOR TYPE	ANCHOR DIAMETER	EMBED hef	TENSION LOAD (LBS)	TORQUE LOAD (FT-LBS)	f'c 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-TZ2	1/2"	2"	2,010	50	3,000	-	6 3/4"	SAND LIGHT WEIGHT	2 1/2"

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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.

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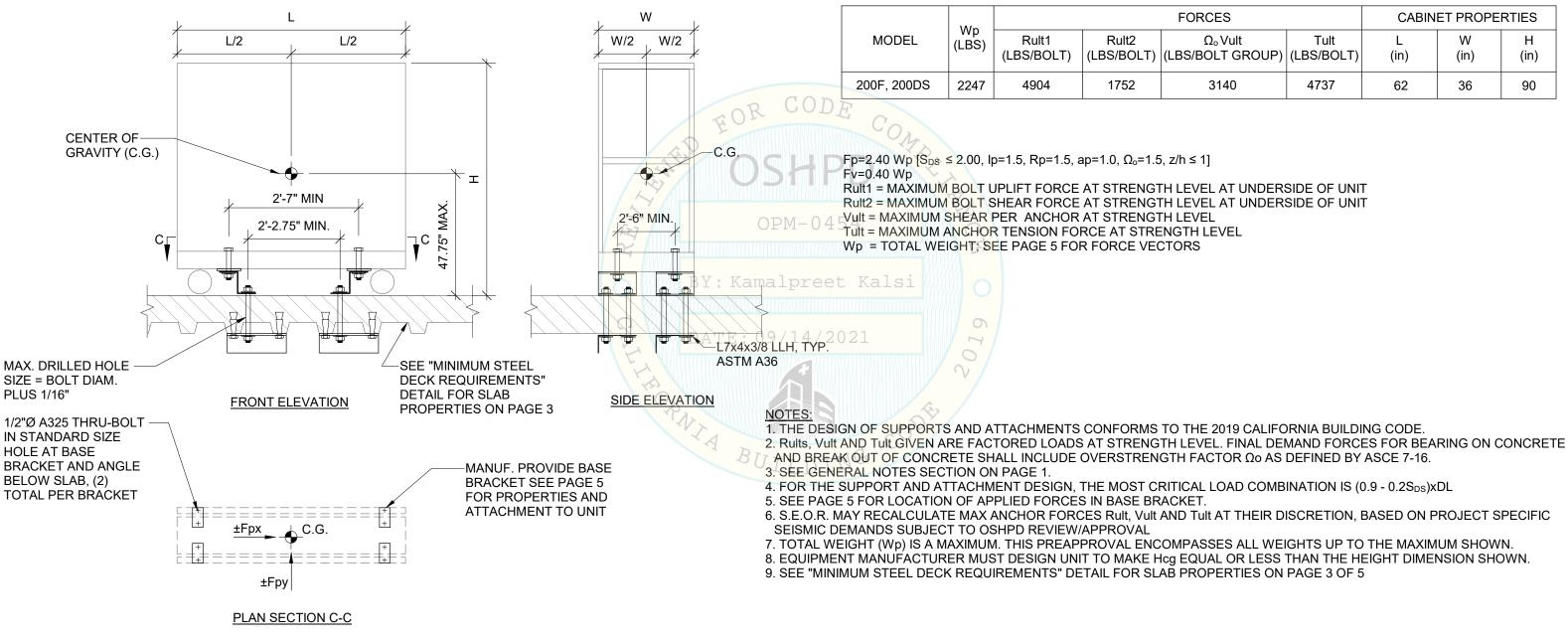
OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION OPM-0454-19

OMNICELL VBM 200

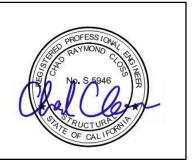
CABINET MODELS

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CASE 1 - CABINETS ABOVE GRADE



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FORCES	CABIN	ET PROPE	RTIES	
Ω _o Vult Tult 3S/BOLT GROUP) (LBS/BOLT)		L (in)	W (in)	H (in)
3140	4737	62	36	90

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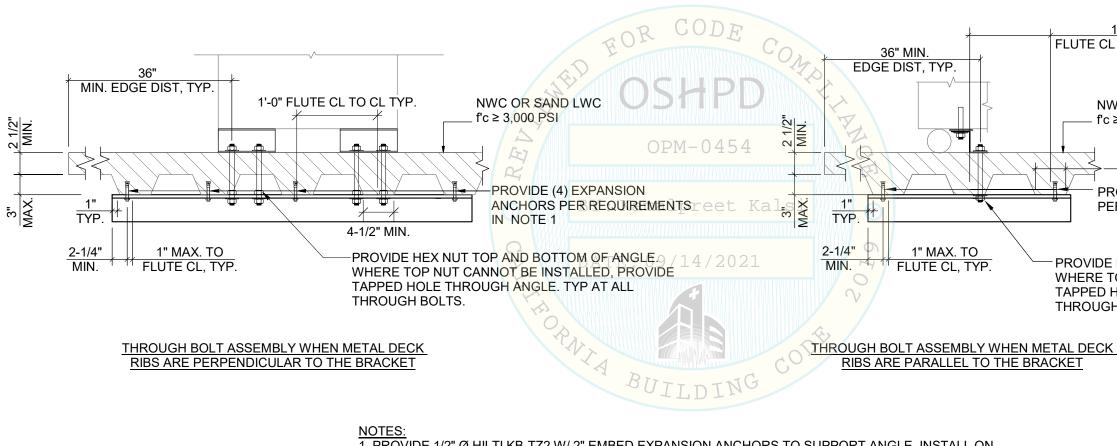


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CABINET MODELS

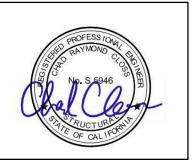
OMNICELL VBM 200F, VBM 200DS

MINIMUM STEEL DECK REQUIREMENTS



1. PROVIDE 1/2" Ø HILTI KB-TZ2 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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1'-0" FLUTE CL TO CL, TYP.

> NWC OR SAND LWC f'c ≥ 3,000 PSI

4-1/2" MIN.

PROVIDE (2) EXPANSION ANCHORS PER REQUIREMENTS IN NOTE 1

PROVIDE HEX NUT TOP AND BOTTOM OF ANGLE. WHERE TOP NUT CANNOT BE INSTALLED, PROVIDE TAPPED HOLE THROUGH ANGLE. TYP AT ALL THROUGH BOLTS.

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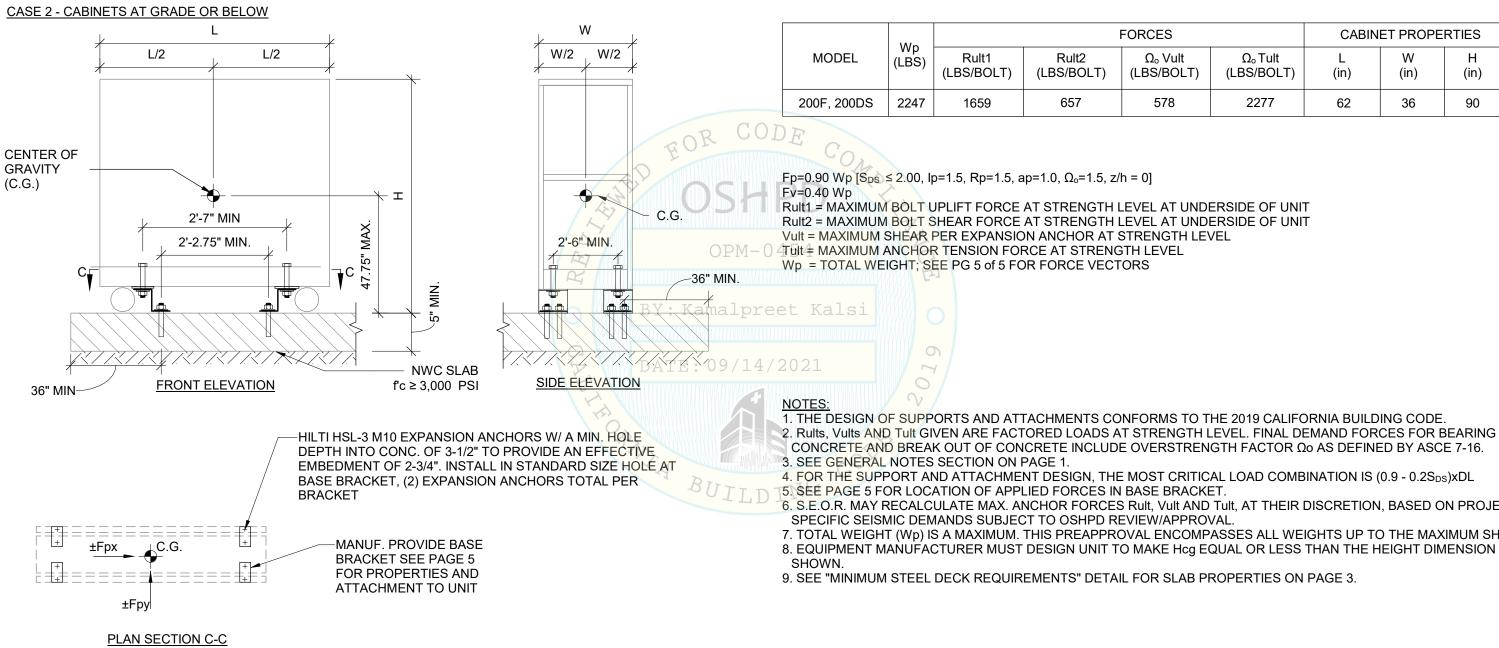


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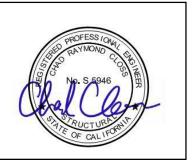
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RCES		CABIN	ET PROPE	RTIES
Ω₀ Vult LBS/BOLT)	Ω₀ Tult (LBS/BOLT)	L (in)	W (in)	H (in)
578	2277	62	36	90

2. Rults, Vults AND Tult GIVEN ARE FACTORED LOADS AT STRENGTH LEVEL. FINAL DEMAND FORCES FOR BEARING ON

6, S.E.O.R. MAY RECALCULATE MAX, ANCHOR FORCES Rult, Vult AND Tult, AT THEIR DISCRETION, BASED ON PROJECT

7. TOTAL WEIGHT (Wp) IS A MAXIMUM. THIS PREAPPROVAL ENCOMPASSES ALL WEIGHTS UP TO THE MAXIMUM SHOWN.

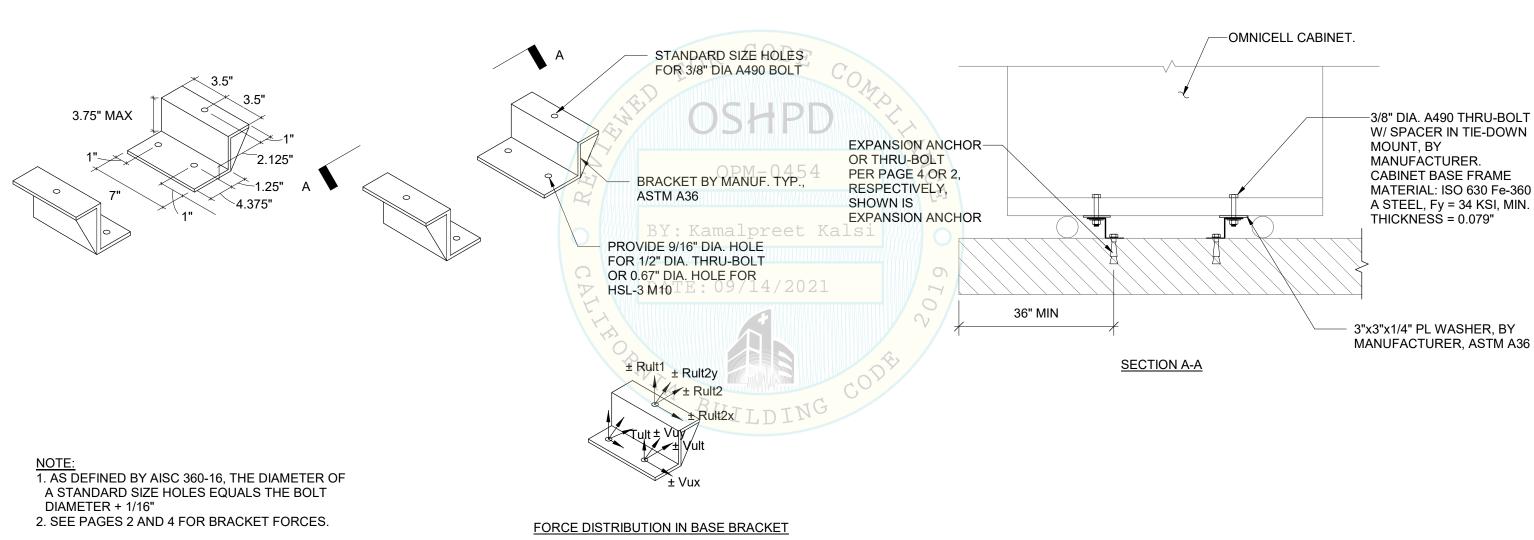
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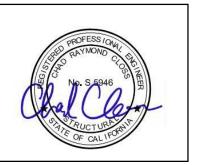
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