

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

APPLICATION FOR HCAI PREAPPROVAL OI	=
MANUFACTURER'S CERTIFICATION (OPM)	

OFFICE USE ONLY

APPLICATION #: OPM-0250

MANOTACTORER O CERTIFICATION (OF M)								
HCAI Preapproval of Manufacturer's Certification (OPM)								
Type: New X Renewal/Update								
Manufacturer Information								
Manufacturer: Belimed, Inc	Manufacturer: Belimed, Inc							
Manufacturer's Technical Representative: Jay Upchurch								
Mailing Address: 8351 Palmetto Commerce Parkway, Suite 10, Ladson, SC 29456								
Telephone: (843) 216-7424 Email: jay.upchurch@belimed.com								
Product Information								
Product Name: SINGLE CHAMBER WASHER/DISINFECTOR-0250								
Product Type: Washer/Disinfector								
Product Model Number: WD 200, WD 200E, and WD 200ED Piland	0							
General Description: Washer/Disinfector for the cleaning and disinfection of medical devices and accessories.								
P DATE: 05/17/2024	2018							
Applicant Information								
Applicant Company Name: Belimed, Inc								
Contact Person: Jay Upchurch								
Mailing Address: 8351 Palmetto Commerce Parkway, Suite 10, Ladson, SC 29456								
Telephone: (843) 216-7424 Email: jay.upchurch@belimed	d.com							
Title: Product Manager								

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STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

Registered Design Professonal Preparing Engineering Recommendations							
Company Name: ISAT SEISMIC BRACING							
Name: Deep Shah California License Number: S5867							
Mailing Address: 14848 Northam Street, La Mirada, CA 90638							
Telephone: (714) 523-1771 Email: dshah@isatsb.com							
HOALOussial Osiansia Osatification Passananasal (OOP)							
HCAI Special Seismic Certification Preapproval (OSP)							
Special Seismic Certification is preapproved under OSP OSP Number:							
EOR CODE CO.							
Certification Method							
Testing in accordance with:							
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 HCAI prior to testing.							
X Analysis							
Experience Data DATE: 05/17/2024							
Combination of Testing, Analysis, and/or Experience Data (Please Specify):							
HCAI Approval							
Date: <u>5/17/2024</u>							
Name: Timothy Piland Title: Senior Structural Engineer							
Condition of Approval (if applicable):							

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HCAi

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Submittal Documents

OSHPD OPM-0250

OPM-0250

CONSTRUCTION DRAWINGS
FOR BELIMED WD200, WD200E AND WD200ED
WASHERS/DISINFECTORS



ISAT 14848 Northam Street, La Mirada, CA 90638 877-999-4728

FILE NO.: CLT-0715-102

REV 2

#230861 OSHPD OPM-0250 DWG - i

04/29/2024

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OSHPD OPM-0250

CONSTRUCTION DRAWING INDEX FOR BELIMED WD200, WD200E AND WD200ED WASHERS/DISINFECTORS

BY: Timothy Piland

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FILE NO.: CLT-0715-102 "Empowered by Experience" Index Rev 2

OSHPD OPM-0250

MANUFACTURE: BELIMED

EQUIPMENT TYPE: WASHER-DISINFECTOR

GENERAL NOTES

- 1. THIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE CBC 2019. THE DEMAND (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE CB (2019.)
- 2. SEISMIC CRITERIA USED: $S_{DS} = 2.5 I_P = 1.5$ ap = 1.0 Rp = 1.5 (OTHER MECHANICAL COMPONENT) z/h = 0.0WITH FpH = 1.13 AT GRADE OR z/h = 1.0 WITH FpH = 3.00 FOR ELEVATED FLOORS. FpV = 0.50.
- 3. SUPPORT AND ATTACHMENT FORCES ARE DETERMINED USING ASCE (7-16) CHAPTER 13 "SEISMIC DESIGN REQUIREMENTS FOR NONSTRUCTURAL COMPONENTS". AN OVERSTRENGTH FACTOR Ω_0 = 1.5 IS USED FOR CONCRETE ANCHORAGE FORCES PER(CBC 2019 SECTION 1617A.1.23) LOADS SHOWN ARE STRENGTH DESIGN LOADS PERCED 2019 SECTION 1605A.2.
- 4. THIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUCTURE.)
- 5 THIS PREAPPROVAL IS FOR CONCRETE SLAB AT GRADE OR ELEVATED SLABS FOR THE DEMAND LOADS SHOWN WHERE $S_{DS} \ll 2.5$.
- 6. STEEL MATERIALS: ANGLES ASTM A36, THROUGH BOLTS 304 STAINLESS STEEL WITH MATCHING WASHERS AND NUTS, SEISMIC FOOT ATTACHMENT BY BELIMED IS 11 GAGE AISI 304 STAINLESS STEEL, Fy = 31.2 KSI.
- 7. CONCRETE SLABS:
 - a. FOR SLAB ON GRADE OR ELEVATED SOLID CONCRETE SLABS: 6" THICKNESS OF NORMAL WEIGHT CONCRETE WITH 3000 PSI MINIMUM STRENGTH.
 - b. METAL DECK: 3" DEEP COMPOSITE STEEL DECK, 20 GAGE MINIMUM, 4.5 INCH MINIMUM BOTTOM FLUTE WIDTH WITH 3.25", FLUTE SPACING IS 12", SAND LIGHT WEIGHT CONCRETE CONCRETE COVER AT 3000 PSI MINIMUM STRENGTH.
- 8. PŎSŤ-ĬŇŠŤÁĽĽĚĎ CŎŇČRĚTĚ AŇCHOŘS: HILŤI KWĬK BŎLŤS ŤZŽ (EŠR-4266) STÁINLEŠS ŠTĚEL Ž/Ž" ĎIAMĚŤEŘ X 3 1/4" EFFECTIVE EMBEDMENT. DRILL 9/16" DIAMETER x 4 1/4" DEEP HOLE: INSTALLATION TORQUE SHALL BE 40 FT-LBS; CLEAN HOLE PER MANUFACTURER'S INSTRUCTIONS. FOR ANCHOR INTO THE SOFFIT OF THE METAL DECK USE (SAME) KWIK BOLT TZ2 (ESR-4266) 1/2" DIAMETER x 4-1/4" MIN HOLE DEPTH FOR 3 1/4" EFFECTIVE EMBEDMENT WITH 1" MAXIMUM OFFSET FROM THE CENTER OF THE METAL DECK FLUTE; INSTALLATION TORQUE SHALL BE 40 FT-LBS. BOTH ARE SUPPLIED BY THE INSTALLATION CONTRACTOR.
- 9. THROUGH BOLTS: AIS 304 STAINLESS STEEL, 0.50" DIAMETER BOLT OR ALL THREAD RODS WITH MATCHING NUTS AND WASHERS.

OPM-0250 \BELIMED WD200, WD200E AND WD200ED WASHER/DISINFECTOR GENERAL NOTES



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SCALE N.T.S.

PAGE **GEN NOTES**

OSHPD OPM-0250

MANUFACTURE: BELIMED

EQUIPMENT TYPE: WASHER-DISINFECTOR

ATTACHMENT NOTES:

- 1. SEE "GENERAL NOTES" FOR SEISMIC CRITERIA USED.
- 2. REFER TO OPM-0250 DETAILS FOR THE MATERIALS OF CONSTRUCTION AND FASTENER DIMENSIONS.
- 3. THROUGH BOLT INSTALLATION AND INSPECTION (DETAILS OF THE SUPPLEMENTAL STEEL AND CONNECTIONS TO STRUCTURE ARE SHOWN ON PAGE "MISC STEEL".)
 - a. THROUGH BOLTS ARE TO BE TORQUED BY 3/4 TURN OF THE NUT AFTER SNUG TIGHT CONDITION IS ACHIEVED. SNUG TIGHT CONDITION IS DEFINED AS THE TIGHTNESS REQUIRED TO BRING THE CONNECTED PLIES INTO FIRM CONTACT.
 - b. THROUGH BOLT HOLES SHALL BE 1/16" LARGER THAN THE BOLT SIZE (HOLE SIZE = BOLT SIZE + 1/16") FOR BOTH THE STEEL AND CONCRETE.
 - c. THROUGH BOLTS WITH STEEL-TO-STEEL CONNECTION IN TENSION DO NOT REQUIRE TESTING.
- 4. FOR POST INSTALLED CONCRETE ANCHORS PERIODIC SPECIAL INSPECTION SHALL BE IN ACCORDANCE WITH CBC 2019 SECTION 1705A AND TABLE 1705A.3 INCLUDING VERIFICATION OF ANCHOR TYPE, ANCHOR DIMENSIONS, CONCRETE TYPE, CONCRETE COMPRESSIVE STRENGTH, ANCHOR SPACING, EDGE DISTANCES, CONCRETE MEMBER THICKNESS, TIGHTENING TORQUE, HOLE DIMENSIONS, ANCHOR EMBEDMENT AND ADHERENCE TO THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. IN ADDITION, FOLLOW THE PROVISIONS OF THE 2019 CALIFONIA BUILDING CODE SECTION 1913A.7.2 BY CONFIRMING THE INSTALLATION TORQUE SPECIFIED BY THE MANUFACTURER. TESTING IS NOT TO OCCUR UNTIL A MINIMUM OF 24 HOURS HAS ELAPSED AFTER THE INSTALLATION OF THE SUBJECT ANCHORS. TESTING SHALL BE DONE IN THE PRESENCE OF THE SPECIAL INSPECTOR. TEST 50% OF THE ANCHORS FOR EACH PIECE OF EQUIPMENT. USING A CALIBRATED TORQUE WRENCH VERIFY THE INSTALLATION TORQUE IS OBTAINED WITHIN 1/2 TURN OF THE NUT. REPORT OF TEST RESULTS ARE TO BE SUBMITTED TO THE ENFORCEMENT AGENCY. THE SEOR SHALL PROVIDE REMEDIAL ANCHORAGE DETAILS IN THE EVENT THAT AN ANCHOR FAILS TO MEET THE TEST REQUIREMENTS.

RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD (SEOR)

- 1. CONFIRM THE MINIMUM REQUIREMENTS FOR THE CONCRETE SLAB ARE MET.
- 2. PROVIDE A PLAN FOR INSPECTION OF SUPPORTS AND ATTACHMENTS AND VERIEVITS IMPLEMENTATION.
- 3. VERIFY THAT THE EXISITING STRUCTURE IS ADEQUATE FOR THE IMPOSED DEAD, LATERAL AND TENSION FORCES SHOWN IN ADDITION TO ALL OTHER LOADS.
- 4. VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH CBC 2019 AND WITH THE OPM-0250 DETAILS.

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5. VERIFY THAT THE PROJECT SPECIFIC S_{DS} AND z/h VALUES RESULT IN SEISMIC FORCES (Eh AND Ev) DO NOT EXCEED THE VALUES SHOWN IN THESE DETAILS.

OPM-0250 BELIMED WD200, WD200E AND WD200ED WASHER/DISINFECTOR ATTACHMENT NOTES



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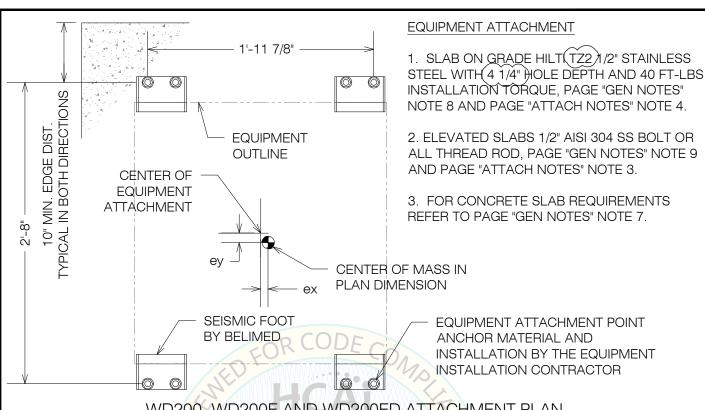
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Model	Weight	ex	еу	ey Vertical Ecc Max Anchor Forces at Grade Max Anchor Forces a		Max Anchor Forces at Grade		rces at Elevated
IVIOGEI	Pounds	in	in	in	Tu - Lbs	Vu - Lbs	Tu - Lbs	Vu - Lbs
WD200	675	0.0625	0.25	41.625	1083	191	2030	509
WD200E	675	0.0625	0.25	41.625	1083	191	2030	509
WD200ED	785	0.0625	0.25	47.5	1453	222	2705	592

1. Tu AND Vu VALUES INCLUDE AN OVERSTRENGTH FACTOR OF 1.5 IN ACCORDANCE WITH NOTE 3 ON GENERAL NOTES. 2. VOIDED

> OPM-0250 BELIMED WD200, WD200E AND WD200ED ANCHOR LAYOUT AND FORCES



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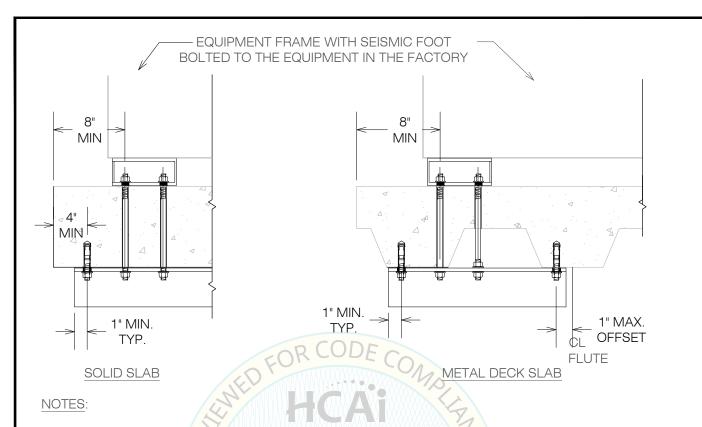


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PAGE N.T.S. ND200 LAYOU



- 1. DRILL 9/16" HOLE IN THE CONCRETE SLAB TO RECEIVE THE 1/2" AISI 304 STAINLESS STEEL ALL THREAD RODS OR BOLTS FOR EQUIPMENT ANCHORAGE WITH WASHERS AND HEX NUTS.
- 2. SUPPLEMENTAL ANGLE SHALL BE L3x3x1/4 ASTM A36. DRILL 9/16" HOLES IN ANGLE FOR BOLTS. FOR LOCATIONS WHERE A TOP NUT CANNOT BE INSTALLED, DRILL AND TAP THE ANGLE TO RECEIVE THE 1/2" EQUIPMENT ANCHORAGE BOLTS.
- 3. ANCHOR INTO BOTTOM OF SLAB SHALL BE HILTI KWIK BOLT (TZ2 (ESR-4266))1/2" x 2 3/4" MINIMUM HOLE DEPTH (2" EFFECTIVE EMBEDMENT) AND 40 FT-LBS INSTALLATION TORQUE.
- 4. SEE PAGE "GEN NOTES" NOTE 7 FOR CONORETE SLAB AND METAL DECK REQUIREMENTS.

(ÕPM-0250) BELIMED WD200, WD200E AND WD200ED MISCELLANEOUS STEEL DETAILS AT ELEVATED SLABS



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