

Type:

# OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

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

OFFICE USE ONLY

APPLICATION #: OPM-0567

| OSHPD Preapproval | of Manufacturer's | Certification | (OPM) |
|-------------------|-------------------|---------------|-------|
|-------------------|-------------------|---------------|-------|

X New Renewal/Update

### **Manufacturer Information**

Manufacturer: CareFusion

Manufacturer's Technical Representative: Thi Ho

Mailing Address: 10020 Pacific Mesa Blvd., San Diego, CA 92121

Telephone: (858) 617-4696

Email: Thi.Ho@Carefusion.com

#### **Product Information**

Product Name: GCSM Double Storage and Clim Mini Cabinets

Product Type: Other Electrical & Mechanical Elements

Product Model Number: N/A

General Description: System provides easy access to deeded supplies on nursing floors & throughout your healthcare facility. This secure storage device provides your staff with the ability to document supply usage, in real-time.

## **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

Title:

\*Access to Safe: Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs\* OSHPD
STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

Email: tiffany@easeco.com



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

| Registered Design Professonal Preparing Engineering Recommendations                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
| Company Name: EASE LLC                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |
| Name: Kevin Paul Burke California License Number: CE57152                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |
| Mailing Address: 5877 Pine Ave., Suite 210, Chino Hills, CA 91709                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |
| Telephone:       (909) 606-7622       Email:       kevin@easeco.com                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |
| OSHPD Special Seismic Certification Preapproval (OSP)                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |
| Special Seismic Certification is preapproved under OSP OSP Number:                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |
| P CODE                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |
| 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 OSHPD prior to testing. |  |  |  |  |  |  |  |
| X Analysis                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| Experience Data                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |
| Combination of Testing, Analysis, and/or Experience Data (Please Specify):                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |
| CODE<br>CODE                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |
| OSHPD Approval BUILDING                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |
| Date: 10/4/2021                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |

| Name: Haeseong Lin | n |
|--------------------|---|
|--------------------|---|

Title: Senior Structural Engineer

Condition of Approval (if applicable):

| "Access to Safe. Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs" | AMANA | OSHPD |
|----------------------------------------------------------------------------------------------------|-------|-------|
| STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY                                             |       | 1000  |

|                  | EQUIRMENT ANCHORAGE       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         OPN-0567       THIS PREAPPROVAL CONFORMS TO THE 2019 CALIFORNIA BUILDING CODE |                                                                                                                                                                                                             |                                         |  |  |  |  |  |  |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--|--|--|--|--|--|
|                  |                                                                                                                                                                                                                                                                                                                | FACTURER: BD<br>MENT NAME: CII SAFE ES & CII SAFE V9 DOUBLE STORAGE CABINETS                                                                                                                                | Sheet: <u>1 of 10</u><br>Date: 8/12/21  |  |  |  |  |  |  |
| <u>G</u> E<br>1. | TH                                                                                                                                                                                                                                                                                                             | RAL NOTES                                                                                                                                                                                                   | MANDS                                   |  |  |  |  |  |  |
| 2.               | (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2019 CBC<br>2. THIS DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER LISTED ABOVE FOR THE                                                                                                                            |                                                                                                                                                                                                             |                                         |  |  |  |  |  |  |
| 3.               |                                                                                                                                                                                                                                                                                                                | ECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CONSENT<br>IS PREAPPROVAL CONFORMS TO TH <mark>E 2019</mark> CALIFORNIA BUILDING CODE WHERE SDS IS NOT GREATER THAN    |                                         |  |  |  |  |  |  |
|                  |                                                                                                                                                                                                                                                                                                                | RCES PER ASCE 7-16 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3,                                                                                                                                       | ,                                       |  |  |  |  |  |  |
|                  | WF                                                                                                                                                                                                                                                                                                             | HERE SDS = 1.10, $a_p = 1.0$ , $I_p = 1.5$ , $R_p = 1.5$ , $z/h = 0$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR Ω <sub>0</sub>                                                                              |                                         |  |  |  |  |  |  |
|                  |                                                                                                                                                                                                                                                                                                                | IERE SDS = 1.60, $a_p$ = 1.0, $I_p$ = 1.5, $R_p$ = 1.5, $z/h = 0$ . AT <u>CONCRETE SLAB</u> : SEE FOLLOWING SHEETS FOR Ω <sub>0</sub>                                                                       |                                         |  |  |  |  |  |  |
|                  | WHERE SDS = 2.20, $a_p$ = 1.0, $I_p$ = 1.5, $R_p$ = 1.5, $z/h$ = 0 AT CONCRETE SLAB & $z/h \le 1$ AT CONCRETE SLAB ON METAL DECK. SEE FOLLOWING SHEETS FOR $\Omega_0$                                                                                                                                          |                                                                                                                                                                                                             |                                         |  |  |  |  |  |  |
| 5.               | Dirid. 10/01/2021                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                             |                                         |  |  |  |  |  |  |
| 6.               | ALI                                                                                                                                                                                                                                                                                                            | L DESIGN FORCES SHOWN ON THE DRAWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR STRENGT                                                                                                                     | H DESIGN.                               |  |  |  |  |  |  |
|                  | 7. CONCRETE SLAB ON METAL DECK DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION IN THE BUILDING. (i.e. $z/h \le 1$ )                                                                                                                                                                                            |                                                                                                                                                                                                             |                                         |  |  |  |  |  |  |
| 8.               | 8. CONCRETE SLAB DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION AT OR BELOW GRADE. (i.e. z/h = 0)                                                                                                                                                                                                             |                                                                                                                                                                                                             |                                         |  |  |  |  |  |  |
| 9.               | 9. RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING                                                                                                                                                                                                                                       |                                                                                                                                                                                                             |                                         |  |  |  |  |  |  |
|                  | Α.                                                                                                                                                                                                                                                                                                             | PROVIDE SUPPORTING STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN ADDITION TO ALL OT                                                                                                                      | HER LOADS.                              |  |  |  |  |  |  |
|                  | В.                                                                                                                                                                                                                                                                                                             | VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2019 CBC AND WITH THE DETAILS,<br>MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION SHO<br>PREAPPROVAL DOCUMENTS. | OWN ON THE                              |  |  |  |  |  |  |
|                  | C.                                                                                                                                                                                                                                                                                                             | VERIFY THAT PROJECT SPECIFIC VALUES OF SDS & z/h RESULT IN SEISMIC FORCES (Eh, Ev ) 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.                                                                      | AN ROBALAN                              |  |  |  |  |  |  |
|                  | E.                                                                                                                                                                                                                                                                                                             | VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY SLAB<br>EDGES OR OPENINGS (SEE TYPICAL DETAIL ON SHEET 2).                                                                                        | No. 4197                                |  |  |  |  |  |  |
|                  | F.                                                                                                                                                                                                                                                                                                             | VEDICY THAT ALL NEW OD EVICTING ANCHORS ARE AN AREQUATE DISTANCE FROM THE                                                                                                                                   | EXP. 6-30-2022<br>$S = \frac{8}{12/21}$ |  |  |  |  |  |  |

CAL

| EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING<br>www.EquipmentAnchorage.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |                                                                                                       |                                                                                                                                         |                                                           |                                                                                 |                                                                                                        |                                        |                 |                    |                         |                |                                                       |   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------|--------------------|-------------------------|----------------|-------------------------------------------------------|---|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                                                                                                       |                                                                                                                                         | BD                                                        |                                                                                 |                                                                                                        |                                        | DES.            | J. ROBE            | RSON                    |                |                                                       |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                                                                                                       |                                                                                                                                         | <u> </u>                                                  |                                                                                 |                                                                                                        |                                        | <u> </u>        | JOB                | NO. 11-1                | 903            | 2                                                     |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                                                                                                       |                                                                                                                                         |                                                           | ES & CII<br>'ORAGE                                                              |                                                                                                        |                                        |                 | DATE               | . 8/12                  | 2/21           | 10                                                    |   |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EVD      | ANSION AN                                                                                             |                                                                                                                                         | . 01                                                      | UNAGL                                                                           |                                                                                                        |                                        | 0               |                    |                         |                | OF IU SHEET                                           | 8 |
| 10.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          | ATTACHM                                                                                               |                                                                                                                                         |                                                           | TH THE ANCHORS L<br>PORT.                                                       | -ISTED BELOV                                                                                           | N AND INS                              | TALLED A        | S DESCRIBE         | Ð                       |                |                                                       |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          | Anchor<br>Diameter                                                                                    | Concrete<br>Type                                                                                                                        | Min. f'c<br>(psi)                                         | Anchor Type                                                                     | ICC<br>Report No.                                                                                      | Min.<br>Embed.                         | Min.<br>Spacing | Min.<br>Edge Dist. | Min. Conc.<br>Thickness | Torque<br>Test | Direct Tension<br>Test                                |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          | 1/2"                                                                                                  | Sand Light<br>Weight                                                                                                                    | 3000                                                      | Hilti Kwik Bolt TZ2                                                             | ESR-4266                                                                                               | 3.25"                                  | 9.75"           | 12"                | See<br>Detail "A"       | 50 FT-LB       | N/A                                                   |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          | 1/2"                                                                                                  | Normal<br>Weight                                                                                                                        | 3000                                                      | Hilti Kwik Bolt TZ2                                                             | ESR-4266                                                                                               | 2"                                     | 8"              | 14"                | 4"                      | 50 FT-LB       | 1983 lb                                               |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          | 1/2"                                                                                                  | Normal<br>Weight                                                                                                                        | 3000                                                      | Hilti Kwik Bolt TZ2                                                             | ESR-4266                                                                                               | 3.25"                                  | 8"              | 21"                | 6"                      | 50 FT-LB       | 3026 lb                                               |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | B.<br>C. | CONCRET<br>SEE ADJA<br>EDGE DIS<br>TESTING A<br>BE PERFO<br>EMPLOYE<br>AND CAC<br>OF RECOR<br>RESPONS | TE SLAB EDGE<br>ACENT DETAIL<br>TANCES.<br>AND SPECIAL<br>DRMED BY AN<br>D BY THE FAC<br>7-149. ALL REI<br>RD, OWNER AI<br>SIBLE CHARGE | INSPECTI<br>APPROVE<br>CILITY OW<br>PORTS SH<br>ND THE AI |                                                                                 | i.e CORNER<br>ALLOWABLE (<br>ANCHORS SH<br>GENCY<br>A & 1910A.5<br>HE INSPECTO<br>INEER IN<br>Y: Haese | HALL P<br>HALL P<br>R - 05 (<br>B<br>B | 57<br>Lim       | <del>d</del> s     |                         |                | (SEE SCHEDULE)                                        |   |
| <ul> <li>(i) AFTER AT LEAST 24 HOURS HAVE ELAPSED SINCE INSTALLATION,<br/>DIRECT PULL TENSION TEST OR TORQUE TEST AT LEAST 50% OF<br/>THE ANCHORS.</li> <li>(ii) ACCEPTANCE CRITERIA:</li> <li>DIRECT TENSION TEST: THE ANCHOR SHOULD HAVE NO OBSERVABLE<br/>MOVEMENT AT THE TEST LOAD. A PRACTICAL WAY TO DETERMINE<br/>OBSERVABLE MOVEMENT IS THAT THE WASHER BECOMES LOOSE.</li> <li>TORQUE TEST: THE APPLICABLE TORQUE MUST BE ACHIEVED WITHIN THE<br/>FOLLOWING LIMITS: WEDGE TYPE : 1/2 TURN OF THE NUT</li> <li>(iii) IF ANY ANCHOR FAILS, TEST ALL ANCHORS.</li> </ul> |          |                                                                                                       |                                                                                                                                         |                                                           |                                                                                 |                                                                                                        |                                        |                 |                    |                         |                |                                                       |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | П        | <b>、</b> ,                                                                                            |                                                                                                                                         |                                                           | EL REINFORCING IN                                                               |                                                                                                        | SLAR                                   |                 |                    |                         |                |                                                       |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          | WHEN INS                                                                                              | STALLING CON                                                                                                                            | ICRETE E                                                  | XPANSION ANCHOF                                                                 | RS.                                                                                                    | JLAD                                   |                 |                    |                         |                |                                                       |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                                                                                                       |                                                                                                                                         |                                                           | BAGEMENT OF NUT                                                                 | & WASHER.                                                                                              |                                        |                 |                    |                         |                |                                                       |   |
| 11.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | BOLT     | S THROU                                                                                               | GH CONCRET                                                                                                                              | E ON ME                                                   | TAL DECK                                                                        |                                                                                                        |                                        |                 |                    |                         |                |                                                       |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A.       | TIGHT (T⊢<br>REQUIREI                                                                                 | IE SNUG-TIGH<br>D TO BRING TH                                                                                                           | T CONDIT                                                  | /4 TURN OF THE NU<br>TON IS DEFINED AS<br>ECTED PLIES INTO F<br>S OTHERWISE NOT | THE TIGHTNE                                                                                            | ESS                                    |                 |                    | $\geq$                  | Auatha         |                                                       | A |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | В.       |                                                                                                       |                                                                                                                                         |                                                           | E 1/16" LARGER THA                                                              | AN BOLT SIZE                                                                                           |                                        |                 |                    |                         |                | THAN NOR THE                                          | - |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | C.       | THROUGH<br>TESTING<br>NOT REQU                                                                        | H-BOLTS IN CC<br>(THROUGH BC                                                                                                            | ONCRETE                                                   | SHALL RECEIVE SP<br>I STEEL TO STEEL (<br>) IN ACCORDANCE                       | CONNECTION                                                                                             | IN TENSIO                              | ON DO           |                    |                         |                | No. 4197<br>EXP. 6-30-2022<br>S. 8/12/21<br>OF CALLED |   |















