

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

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

OFFICE USE ONLY

APPLICATION #: OPM-0554

| HCAI Preapprova | of Manufacturer's | Certification | (OPM) |
|-----------------|-------------------|---------------|-------|
|-----------------|-------------------|---------------|-------|

Type: New X Renewal/Update

Manufacturer Information

Manufacturer: Door Systems, Inc

Manufacturer's Technical Representative: Jeff Bonnema

Mailing Address: 1150 Las Brisas Place, Placentia, CA 928706643

Telephone: (714) 258-7100

Email: jeff@doorsysinc.com

Product Information

Product Name: DSI-600 Elevator Smoke Containment System 0554

Product Type: Other Mechanical or Electrical Component

Product Model Number: DSI-600

General Description: Smoke Containment System at Elevator Door Openings

Applicant Information

| • • | | | | | | | |
|---------------------|--|--------|--------------------|--|--|--|--|
| Applicant Compar | ny Name: EASE LLC. | | | | | | |
| Contact Person: | Tiffany Tonn | IBU | ILDING | | | | |
| Mailing Address: | 1515 FAIRVIEW AVE, STE 205, MISSOULA, MT 59801 | | | | | | |
| Telephone: (406) | 541-3273 | Email: | tiffany@easeco.com | | | | |
| Title: Office Assis | stant | | | | | | |

"A healthier California where all receive equitable, affordable, and quality health care"

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY





DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

Registered Design Professonal Preparing Engineering Recommendations

| company Name. | | |
|-------------------------|----------------------------------|----------------------------------|
| Name: Jonathan Roberson | | California License Number: S4197 |
| Mailing Address: | 5877 Pine Ave., Suite 210, Chino | D Hills, CA 91709 |
| Telephone: (951 |) 295-1892 | Email: jon@EASECo.com |

| HCAI Special Seismic Certification Preapproval (OSP) | | | | | | | |
|--|---------------------------------------|--|--|--|--|--|--|
| Special Seismic Certification is pre- | approved under OSP | OSP Number: | | | | | |
| FOR CODE CO. | | | | | | | |
| Certification Method | ED' | MA | | | | | |
| Testing in accordance with: | C-ES AC156 🛛 🗍 FM 1950-16 | | | | | | |
| Other(s) (Please Specify): | OPM-0554 | Z | | | | | |
| | distribution system, interior partiti | ards Code, 2022 (CBSC 2022) for component supports on wall, and suspended ceiling seismic bracings, test pproved by HCAI prior to testing. | | | | | |
| X Analysis | | | | | | | |
| Experience Data | DATE: 02/09/20 | 24 | | | | | |
| Combination of Testing, Analysis, a | and/or Experience Data (Please S | pecify): | | | | | |
| | ORNIA DI | CODE | | | | | |
| HCAI Approval | BUILDING | | | | | | |
| Date: 2/9/2024 | | | | | | | |
| Name: William Staehlin | | Title: Senior Structural Engineer | | | | | |
| Condition of Approval (if applicable): | | | | | | | |
| | | | | | | | |



| EQUIRMENT ANCHORAGE & SEISMIC ENGINEERING The Department of Health Care Access and Information PREAPPROVAL OF MANUFACTURER'S CERTIFICATION OPM-0554 THIS PREAPPROVAL CONFORMS TO THE 2022 CALIFORNIA BUILDING CODE | 5877 Pine Ave, Ste. 210 Chino Hills, CA. 91709 Phn: (909) 606-7622 |
|---|--|
| MANUFACTURER: DOOR SYSTEMS INC | Sheet: <u>1 of 6</u> |
| EQUIPMENT NAME: DSI 600 ELEVATOR SMOKE AND FIRE CONTAINMENT | Date: 2/7/24 |
| GENERAL NOTES THIS HCAI PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2022 CBC. THE DEL | TED ABOVE FOR THE |
| (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2022 CBC THIS DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER LIST | ENT. |
| SPECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CONSER THIS PREAPPROVAL CONFORMS TO THE 2022 CALIFORNIA BUILDING CODE WHERE SDS IS NOT GREATER THE FORCES PER ASCE 7-16 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3, | HAN 2.30. |
| WHERE SDS = 2.30 ap = 1.0, lp = 1.5, z/h ≤ 1 CONCRETE WALL, SEE FOLLOWING SHEETS FOR Ω. THIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUCE ALL DESIGN FORCES SHOWN ON THE DRAWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR STREN SHEET METAL SCREWS SHALL BE TEKS SCREWS BY ITW BUILDEX (ICC ESR-1976). CONCRETE WALL DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION. (i.e. z/h ≤ 1) REFER TO ESR-4761 FOR DSI 600 SYSTEM'S FIRE AND SMOKE PROTECTION APPROVAL. | CTURE. |
| RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING PROVIDE SUPPORTING STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN ADDITION TO ALL VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2022 CBC AND WITH THE DETAILS, MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION S PREAPPROVAL DOCUMENTS. VERIFY THAT PROJECT SPECIFIC VALUES OF SDS & z/h RESULT IN SEISMIC FORCES (Eh, Ev) THAT DO NO EXCEED THE VALUES ON THE DETAILS. VERIFY THAT THE CONCRETE WALL TO WHICH THE EQUIPMENT IS ANCHORED MEETS THE REQUIREMENTS OF THE APPLICABLE ICC ESR AND THIS OPM. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY CONCRETE WALL EDGES OR OPENINGS (SEE TYPICAL DETAIL ON SHEET 2). 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 6hef FROM THIS UNIT'S ANCHORS. DESIGN BACKING BARS, STUDS, ETC. WHICH THE UNITS ARE ATTACHED TO AS NOTED ON THE DRAWINGS. | SHOWN ON THE |

| EAS | | | EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING www.EquipmentAnchorage.com | | | | | | | | |
|--|---|--|--|--|--|------------------------------------|---------------------------------------|-------------------------|----------------|---|-------------|
| DOOR SYSTEMS INC | | | | DES. | DES. J. ROBERSON | | | r | | | |
| DSI 600 ELEVATOR SMOKE | | | | JOB N | јов no. 11-2401 Z | | | | | | |
| | AND F | IRE | CONTA | INME | <u>NT</u> | | DATE | 2/7/2 | 24 | of 6 | SHEETS |
| 11. Expansion | | - | | | | | | | | | |
| | | | DE WITH THE ANC CC REPORT. | HORS LISTE | ED BELOV | V AND IN | STALLED A | AS DESCRIB | ED | | |
| Anchor Diameter | Concrete Type | Min. f'c (psi) | Anchor Type | ICC Report No. | Min. Embed. | Min. Spacing | Min. Edge Dist. | Min. Conc. Thickness | Torque Test | Direct Ter | nsion |
| 1/2" | Normal Weight | 3000 | Hilti Kwik Bolt TZ2 | ESR-4266 | 2" | 5.5" | 2.75" | 6" | 50 FT-LB | 1736 | lb |
| CONCRI ADJACE EDGE D | ete slab ei Int detail i Istances. | DGES, 2 FOR AD | NS FOR UP TO A M 2.75" AWAY MINIMU DITIONAL MINIMUN | M (i.e COF I ALLOWABI | RNER). SE LE CONCI | E RETE | - | <u>2.75"</u> (MIN) | ► SP ► | 4.125" (MIN) | |
| BE PERI EMPLOY AND CA OF REC RESPON (i) AFTE DIRE (ii) ACC • | FORMED BY YED BY THE C 7-149. ALL ORD, OWNE NSIBLE CHA ER AT LEAS CT PULL TE EPTANCE C DIRECT TEN OBSERVAB TO DETERM BECOMES L TORQUE TE WITHIN THE NUT | An App Facilit Repor R and Rge. 24 ho Nsion Riteri, Ision T Le Mov Ine Ob Oose. St: The Follo | PECTION OF EXPA PROVED INDEPENI Y OWNER PER CE RTS SHALL BE SEN THE ARCHITECT O URS HAVE ELAPSE TEST AT LEAST 50 A: DATEST ALL ANCHOF EMENT AT THE TES SERVABLE MOVEN E APPLICABLE TOR WING LIMITS: WED TEST ALL ANCHOF | DENT AGEN C 1704A & T T TO THE IN R ENGINEED D SINCE IN 0 OF THE A C | CY 1910A.5 ISPECTO RIN 54 STALLATI NCHORS. IAVE NO PRACTIC. T THE W/ BE ACHIE | R ON, O24 AL WAY ASHER | 4.125" 5P 2.75" (MIN) 7 5P 7 (MIN) | TYPICAL | | DLT SPACING | |
| | | | | | | | | | 11-1-1-1 | N. <i>ROB</i> AN <i>ROB</i> No. 4197 P. 6-30-2024 2/1/24 <i>RUCIVBL</i> OF CALLED | A LIGHNER + |









