



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

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

OFFICE USE ONLY

APPLICATION #: OPM-0762

HCAI Preapproval of Manufacturer's Certification (OPM)

Type: ☒ New ☐ Renewal/Update

Manufacturer Information

Manufacturer: Steris USA

Manufacturer's Technical Representative: Ethan Plager

Mailing Address: 14605 28th Ave. N., Plymouth, MN 55447

Telephone: (763) 553-3300

Email: ethan_plager@steris.com

Product Information

Product Name: MEDIVATORS 60 Endoscope Reprocessing Sinks and Inspection Station

Product Type: Other electrical and mechanical components

Product Model Number: : MEDIVATORS Inspection Station, MEDIVATORS 61 (1 Basin Sink), MEDIVATORS 62 (2 Basin Sink) & MEDIVATORS 63 (3 Basin Sink)

General Description: Endoscopy washing system

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

Email: tiffany@easeco.com

Title: Office Assistant

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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 Professional Preparing Engineering Recommendations

Company Name: EASE LLC

Name: Jonathan Roberson

California License Number: S4197

Mailing Address: 5877 Pine Ave., Suite 210, Chino Hills, CA 91709

Telephone: (951) 295-1892

Email: jon@EASECo.com

Certification Method

Testing in accordance with: ☐ ICC-ES AC156 ☐ FM 1950 ☐ ASHRAE 171 ☐ FEMA 461

☐ Other(s) (Please Specify):

*Use of criteria other than those adopted by the California Building Standards Code, 2025 (CBSC 2025) 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 2025 may be used when approved by HCAI prior to testing.

☒ Analysis

☐ Experience Data

☐ Combination of Testing, Analysis, and/or Experience Data (Please Specify):

HCAI Approval

Date: 9/19/2025

Name: Timothy Piland

Title: Senior Structural Engineer

Condition of Approval (if applicable):

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**EQUIPMENT ANCHORAGE
& SEISMIC ENGINEERING**

5877 Pine Ave, Ste. 210
Chino Hills, CA. 91709
Phn: (909) 606-7622

Department of Health Care Access and Information

PREAPPROVAL OF MANUFACTURER'S CERTIFICATION

OPM-0762

THIS PREAPPROVAL CONFORMS TO THE 2025 CALIFORNIA BUILDING CODE

MANUFACTURER: **STERIS CORPORATION** Sheet: 1 of 19
EQUIPMENT NAME: **MEDIVATORS 60 Endoscope Reprocessing Sinks and Inspection Station** Date: 9/19/25

GENERAL NOTES

1. THIS HCAI PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2025 CBC. THE DEMANDS (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2025 CBC
2. THIS DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER LISTED ABOVE FOR THE SPECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CONSENT.
3. THIS PREAPPROVAL CONFORMS TO THE 2022 CALIFORNIA BUILDING CODE WHERE S_Ds IS NOT GREATER THAN 0.40, 0.50, 1.05, 1.70, 2.30 & 2.50.
4. FORCES PER ASCE 7-22 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3,
WHERE $S_Ds = 2.30, I_p = 1.5, C_{AR} = 1.0, R_{po} = 1.5, z/h = 0, (R_u = 1.0, H_f = 1.0)$ AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR Ω_{op}
WHERE $S_Ds = 0.40, 0.50, 1.05, 1.70 \text{ \& } 2.50, I_p = 1.5, C_{AR} = 1.0, R_{po} = 1.5, z/h \leq 0.95, (R_u = 1.3, H_f = 3.375)$
AT CONCRETE SLAB ON METAL DECK. SEE FOLLOWING SHEETS FOR Ω_{op}
5. THIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUCTURE.
6. ALL DESIGN FORCES SHOWN ON THE DRAWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR STRENGTH DESIGN.
7. CONCRETE SLAB ON METAL DECK DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION IN THE BUILDING. (i.e. $z/h \leq 0.95$)
8. CONCRETE SLAB DETAIL VALID FOR DEMANDS SHOWN AT OR BELOW GRADE. (i.e. $z/h = 0$)
9. **RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING**
 - A. PROVIDE SUPPORTING STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN ADDITION TO ALL OTHER LOADS.
 - B. VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2025 CBC AND WITH THE DETAILS, MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION SHOWN ON THE PREAPPROVAL DOCUMENTS.
 - C. VERIFY THAT PROJECT SPECIFIC SEISMIC PARAMETERS RESULT IN SEISMIC FORCES (E_h, E_v) THAT DO NOT EXCEED THE VALUES IN THIS OPM.
 - D. VERIFY THAT THE CONCRETE SLAB TO WHICH THE EQUIPMENT IS ANCHORED MEETS THE REQUIREMENTS OF THE APPLICABLE ICC ESR REPORT AND THIS OPM.
 - E. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY SLAB EDGES OR OPENINGS (SEE TYPICAL DETAIL ON SHEET 2).
 - F. 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 $6h_{ef}$ FROM THIS UNIT'S ANCHORS.



STERIS CORPORATION

DES. J. ROBERSON

SHEET

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JOB NO. 14-2503

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OF 19 SHEETS

MEDIVATORS 60

Endoscope Reprocessing Sinks and Inspection Station

10. EXPANSION ANCHORS:

- A. ATTACHMENT IS TO BE MADE WITH THE ANCHORS LISTED BELOW AND INSTALLED AS DESCRIBED IN THE CORRESPONDING ICC REPORT.

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 Tension Test
3/8"	Sand Light Weight	3000	Hilti Kwik Bolt TZ2 (CARBON STEEL)	ESR-4266	2"	6.75"	12"	See Detail "A"	30 FT-LB	N/A
1/2"	Sand Light Weight	3000	Hilti Kwik Bolt TZ2 (STAINLESS STEEL)	ESR-4266	2"	8"	16"	3.25"	40 FT-LB	1189 lb
1/2"	Normal Weight	3000	Hilti Kwik Bolt TZ2 (STAINLESS STEEL)	ESR-4266	3.25"	10"	32"	6"	40 FT-LB	3323 lb

- B. THIS PREAPPROVAL ALLOWS FOR UP TO A MAXIMUM OF 2 ADJACENT CONCRETE SLAB EDGES, 16" & 32" AWAY MINIMUM (i.e. - CORNER). SEE ADJACENT DETAIL FOR ADDITIONAL MINIMUM ALLOWABLE CONCRETE EDGE DISTANCES.

- C. TESTING AND SPECIAL INSPECTION OF EXPANSION ANCHORS SHALL BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY EMPLOYED BY THE FACILITY OWNER PER CBC 1704A & 1910A.5 AND CAC 7-149. ALL REPORTS SHALL BE SENT TO THE INSPECTOR OF RECORD, OWNER AND THE ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE.

- (i) AFTER AT LEAST 24 HOURS HAVE ELAPSED SINCE INSTALLATION, DIRECT PULL TENSION TEST OR TORQUE TEST AT LEAST 50% OF THE ANCHORS.

- (ii) ACCEPTANCE CRITERIA:

- DIRECT TENSION TEST: THE ANCHOR SHOULD HAVE NO OBSERVABLE MOVEMENT AT THE TEST LOAD. A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER BECOMES LOOSE.
- TORQUE TEST: THE APPLICABLE TORQUE MUST BE ACHIEVED WITHIN THE FOLLOWING LIMITS: WEDGE TYPE : 1/2 TURN OF THE NUT

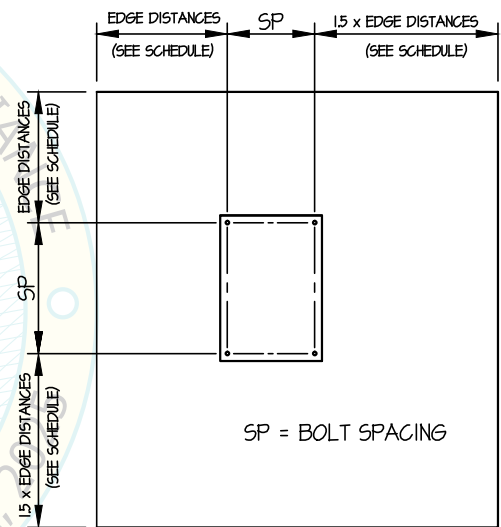
- (iii) IF ANY ANCHOR FAILS, TEST ALL ANCHORS.

- D. AVOID DAMAGING EXISTING STEEL REINFORCING IN CONCRETE SLAB WHEN INSTALLING CONCRETE EXPANSION ANCHORS.

- E. PROVIDE FOR FULL THREAD ENGAGEMENT OF NUT & WASHER.

11. BOLTS THROUGH CONCRETE ON METAL DECK

- A. BOLTS SHALL BE TORQUED BY 3/4 TURN OF THE NUTS AFTER THE SNUG TIGHT (THE SNUG-TIGHT CONDITION IS DEFINED AS THE TIGHTNESS REQUIRED TO BRING THE CONNECTED PLIES INTO FIRM CONTACT) CONDITION IS ACHIEVED, UNLESS OTHERWISE NOTED.
- B. THROUGH BOLT HOLES SHALL BE 1/16" LARGER THAN BOLT SIZE (HOLE SIZE = BOLT SIZE + 1/16) FOR CONCRETE.
- C. THROUGH-BOLTS IN CONCRETE SHALL RECEIVE SPECIAL INSPECTION AND TESTING (THROUGH BOLTS WITH STEEL TO STEEL CONNECTION IN TENSION DO NOT REQUIRE TENSION TESTING) IN ACCORDANCE WITH REQUIREMENTS FOR POST-INSTALLED ANCHORS.



TYPICAL CONCRETE EDGE DETAIL
(SLAB ON GRADE ONLY)



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MEDIVATORS 60

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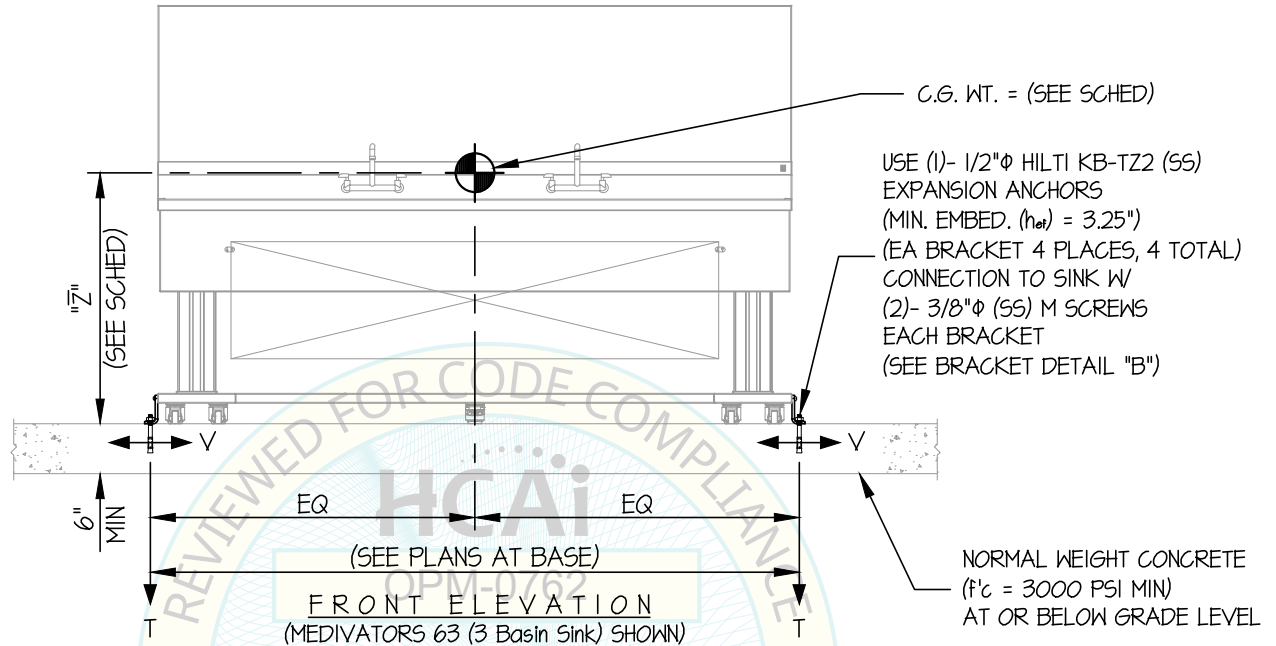
Endoscope Reprocessing Sinks and Inspection Station

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OF 19 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB AT OR BELOW GRADE



MODEL	WEIGHT (lb/ft)	"Z" (in.)	T _u (lb.)	V _u (lb.)
MEDIVATORS Inspection Station	209	29.7	467	177
MEDIVATORS 61 (1 Basin Sink)	355	32.2	852	254
MEDIVATORS 62 (2 Basin Sink)	736	36.1	1836	536
* MEDIVATORS 63 (3 Basin Sink)	896	37.0	2294	628

* THIS UNIT IS USED IN CALCULATION

** VALUES INCLUDE Ω_{op}

NOTES:

- FORCES ARE DETERMINED PER 2025 CALIFORNIA BUILDING CODE AND ASCE 7-22. STRENGTH DESIGN IS USED. (EXAMPLE: $S_{ds}=2.30$, $I_p=1.5$, $CAR=1.0$, $R_{po}=1.5$, $\Omega_{op}=2.0$, $R_u=1.0$, $H_f=1.0$, $z/h=0$)
 HORIZONTAL FORCE (E_h) = 1.035 W_p
 HORIZONTAL FORCE (E_{mh}) = 2.07 W_p (FOR CONCRETE ANCHORAGE)
 VERTICAL FORCE (E_v) = 0.46 W_p
- THIS PREAPPROVAL ENCOMPASSES WEIGHTS AND VERTICAL C.G. POSITIONS NOT EXCEEDING VALUES SHOWN.
- THIS PREAPPROVAL WAS PREPARED WITHOUT KNOWLEDGE OF ANY SITE CONDITION. COMPATIBILITY FOR USE WITH A SITE SHALL BE EVALUATED BY THE STRUCTURAL ENGINEER OF RECORD OF THE INSTALLATION (SEOR). USE REQUIRES APPROVAL BY THE SEOR.
- STRUCTURAL ENGINEER OF RECORD FOR THE INSTALLATION SHALL VERIFY ALL CONDITIONS, EVALUATE INTERACTION WITH ADJACENT EQUIPMENT AND ANCHORS, AND PROVIDE SUPPORT STRUCTURE DESIGNED TO SUPPORT WEIGHTS AND FORCES SHOWN IN COMBINATION WITH ALL OTHER LOADS THAT MAY BE PRESENT.
- SEE GENERAL NOTES: SHEETS 1 AND 2



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MEDIVATORS 60

JOB NO. 14-2503

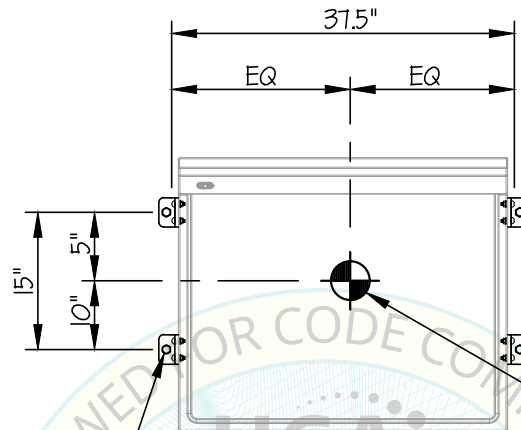
Endoscope Reprocessing Sinks and Inspection Station

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OF 19 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB AT OR BELOW GRADE



USE (1)- 1/2"Φ HILTI KB-TZ2 (SS)
EXPANSION ANCHORS
(MIN. EMBED. (h_{dev}) = 3.25")
(EA BRACKET 4 PLACES, 4 TOTAL)
CONNECTION TO SINK W/
(2)- 3/8"Φ (SS) M SCREWS
EACH BRACKET
(SEE BRACKET DETAIL "B")

C.G. WT. = 204 LB.
(\bar{Z} = 29.7")

OPM-0762

BY: Timothy Piland
PLAN AT BASE

(MEDIVATORS Inspection Station SHOWN)

DATE: 09/19/2025

NOTE: SEE SHEET 3 FOR
ADDITIONAL INFORMATION



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SHEET

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JOB NO. 14-2503

DATE 9/19/25

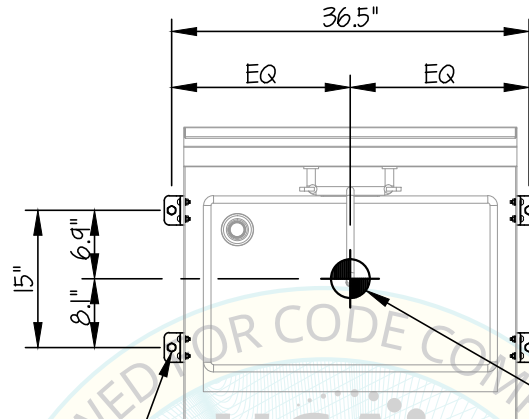
OF 19 SHEETS

MEDIVATORS 60

Endoscope Reprocessing Sinks and Inspection Station

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB AT OR BELOW GRADE



USE (1)- 1/2"Φ HILTI KB-TZ2 (SS)
EXPANSION ANCHORS
(MIN. EMBED. (h_{ef}) = 3.25")
(EA BRACKET 4 PLACES, 4 TOTAL)
CONNECTION TO SINK W/
(2)- 3/8"Φ (SS) M SCREWS
EACH BRACKET
(SEE BRACKET DETAIL "B")

C.G. WT. = 355 LB.
(Z = 32.2")

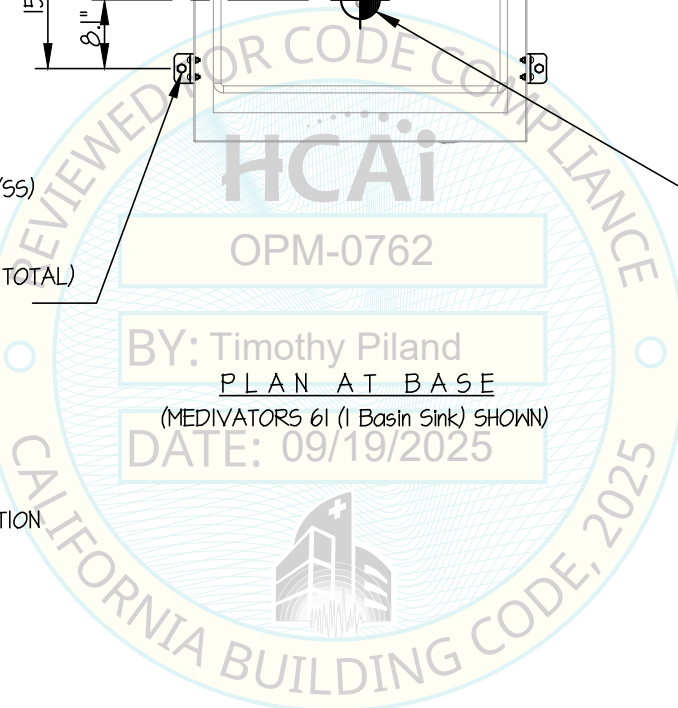
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BY: Timothy Piland
PLAN AT BASE

(MEDIVATORS 60 (1 Basin Sink) SHOWN)

DATE: 09/19/2025

NOTE: SEE SHEET 3 FOR
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MEDIVATORS 60

JOB NO. 14-2503

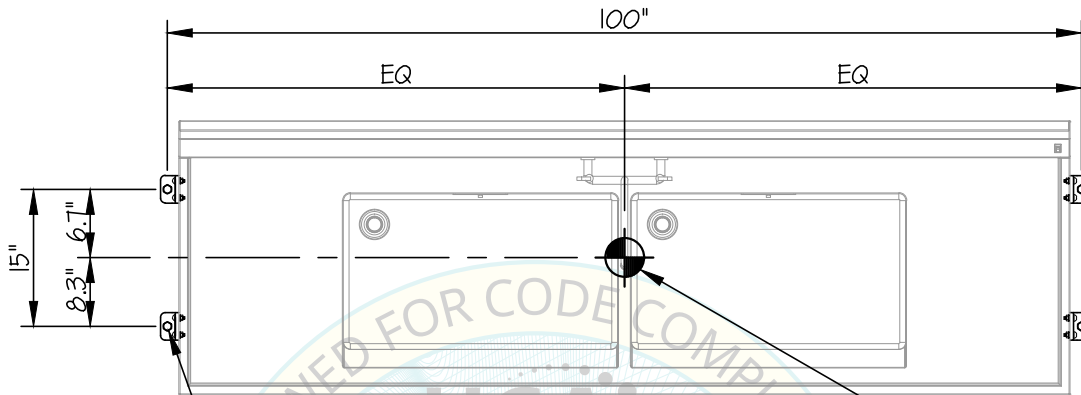
Endoscope Reprocessing Sinks and Inspection Station

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SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB AT OR BELOW GRADE



USE (1)- 1/2"Φ HILTI KB-TZ2 (SS)
EXPANSION ANCHORS
(MIN. EMBED. (h_{ef}) = 3.25")
(EA BRACKET 4 PLACES, 4 TOTAL)
CONNECTION TO SINK W/
(2)- 3/8"Φ (SS) M SCREWS
EACH BRACKET
(SEE BRACKET DETAIL "B")

C.G. WT. = 136 LB.
(\bar{Z} = 36.1")

OPM-0762

BY: Timothy Piland

PLAN AT BASE

(MEDIVATORS 62 (2 Basin Sink) SHOWN)

DATE: 09/19/2025

NOTE: SEE SHEET 3 FOR
ADDITIONAL INFORMATION



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MEDIVATORS 60

JOB NO. 14-2503

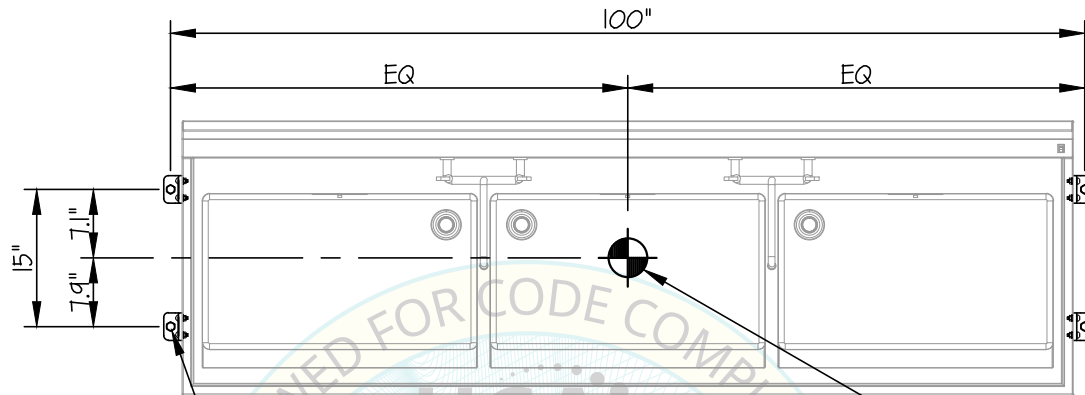
Endoscope Reprocessing Sinks and Inspection Station

DATE 9/19/25

OF 19 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB AT OR BELOW GRADE



USE (1)- 1/2" ϕ HILTI KB-TZ2 (SS)
EXPANSION ANCHORS
(MIN. EMBED. (h_{ef}) = 3.25")
(EA BRACKET 4 PLACES, 4 TOTAL)
CONNECTION TO SINK W/
(2)- 3/8" ϕ (SS) M SCREWS
EACH BRACKET
(SEE BRACKET DETAIL "B")

C.G. WT. = 896 LB.
(Z = 37")

OPM-0762

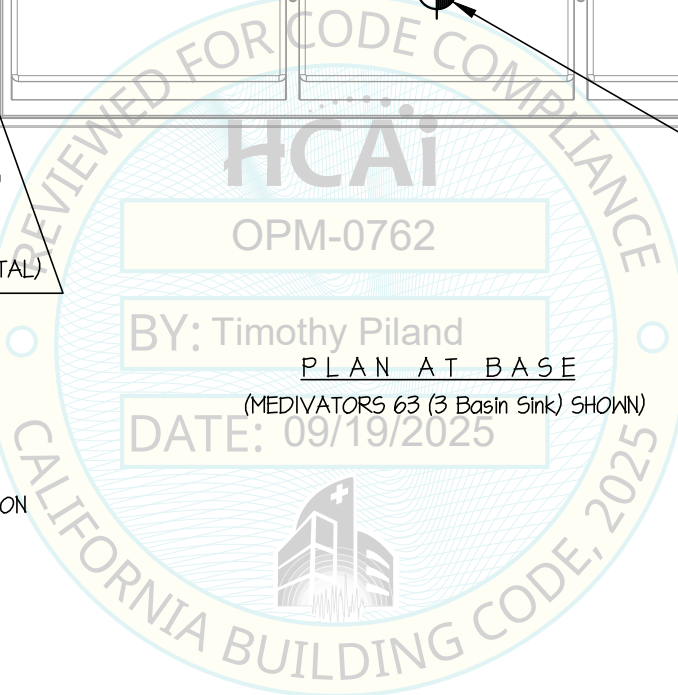
BY: Timothy Piland

PLAN AT BASE

(MEDIVATORS 63 (3 Basin Sink) SHOWN)

DATE: 09/19/2025

NOTE: SEE SHEET 3 FOR
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JOB NO. 14-2503

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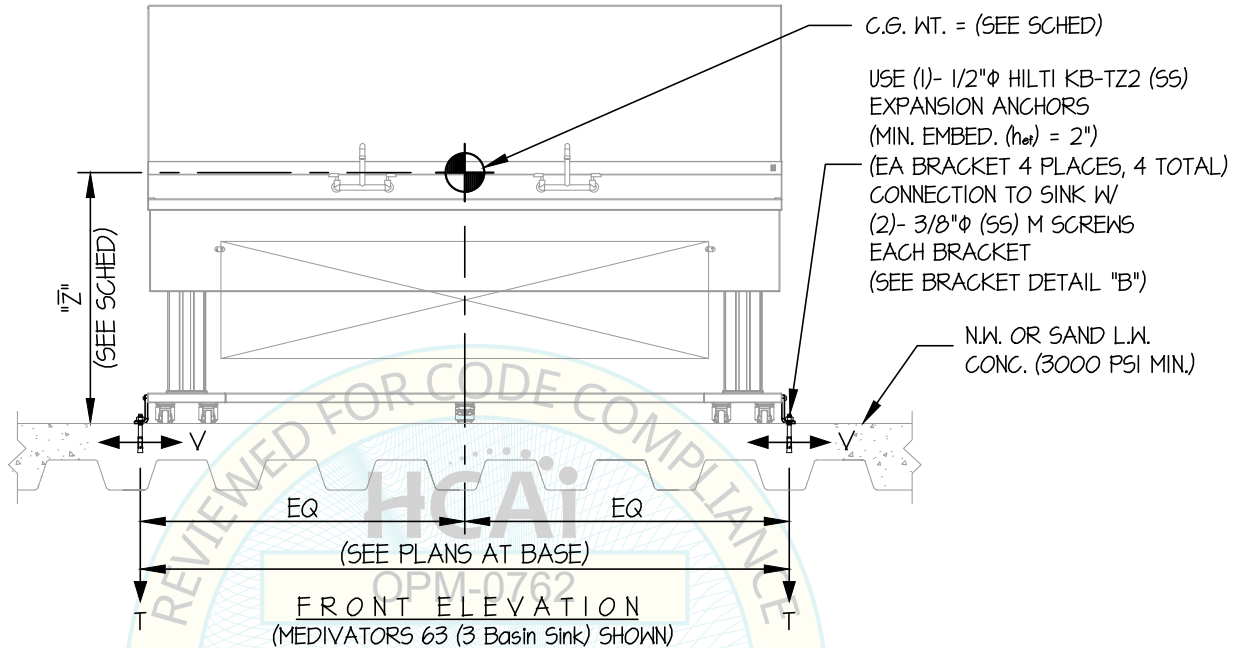
OF 19 SHEETS

MEDIVATORS 60

Endoscope Reprocessing Sinks and Inspection Station

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB ON METAL DECK



Sds	MODEL	WEIGHT (lb/ft)	"Z" (in.)	Tu (lb.)	Vu (lb.)
1.70	MEDIVATORS Inspection Station	209	29.7	811	302
1.05	MEDIVATORS 61 (1 Basin Sink)	355	32.2	875	267
0.50	MEDIVATORS 62 (2 Basin Sink)	736	36.1	827	269
* 0.40	MEDIVATORS 63 (3 Basin Sink)	896	37.0	794	255

* THIS UNIT IS USED IN CALCULATION

** VALUES INCLUDE Ω_{op}

NOTES:

- FORCES ARE DETERMINED PER 2025 CALIFORNIA BUILDING CODE AND ASCE 7-22. STRENGTH DESIGN IS USED. (EXAMPLE: $I_p=1.5$, $CAR=1.0$, $R_{po}=1.5$, $\Omega_{op}=2.0$, $R_U=1.3$, $H_f=3.375$, $z/h \leq 0.95$)

Sds =	0.40	0.50	1.05	1.70
HORIZONTAL FORCE (E_{mh}) =	0.84 W_p	1.04 W_p	2.18 W_p	3.54 W_p
VERTICAL FORCE (E_v) =	0.08 W_p	0.10 W_p	0.21 W_p	0.34 W_p

- THIS PREAPPROVAL ENCOMPASSES WEIGHTS AND VERTICAL C.G. POSITIONS NOT EXCEEDING VALUES SHOWN.
- THIS PREAPPROVAL WAS PREPARED WITHOUT KNOWLEDGE OF ANY SITE CONDITION. COMPATIBILITY FOR USE WITH A SITE SHALL BE EVALUATED BY THE STRUCTURAL ENGINEER OF RECORD OF THE INSTALLATION (SEOR). USE REQUIRES APPROVAL BY THE SEOR.
- STRUCTURAL ENGINEER OF RECORD FOR THE INSTALLATION SHALL VERIFY ALL CONDITIONS, EVALUATE INTERACTION WITH ADJACENT EQUIPMENT AND ANCHORS, AND PROVIDE SUPPORT STRUCTURE DESIGNED TO SUPPORT WEIGHTS AND FORCES SHOWN IN COMBINATION WITH ALL OTHER LOADS THAT MAY BE PRESENT.
- SEE GENERAL NOTES: SHEETS 1 AND 2



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DES. **J. ROBERSON**

SHEET

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JOB NO. **14-2503**

DATE **9/19/25**

OF **19** SHEETS

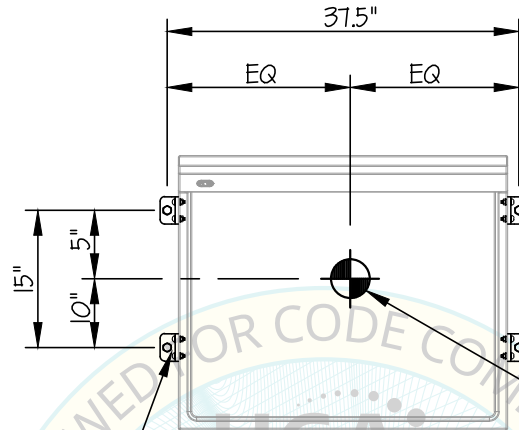
MEDIVATORS 60

Endoscope Reprocessing Sinks and Inspection Station

SEISMIC SUPPORTS & ATTACHMENTS

MAX $S_{ps} \leq 1.70$

CONCRETE SLAB ON METAL DECK



USE (1)- 1/2" Φ HILTI KB-TZ2 (SS)
EXPANSION ANCHORS
(MIN. EMBED. (h_{ef}) = 2")
(EA BRACKET 4 PLACES, 4 TOTAL)
CONNECTION TO SINK W/
(2)- 3/8" Φ (SS) M SCREWS
EACH BRACKET
(SEE BRACKET DETAIL "B")

C.G. WT. = 204 LB.
(\bar{Z} = 29.7")

BY: Timothy Piland
PLAN AT BASE

(MEDIVATORS Inspection Station SHOWN)

DATE: 09/19/2025

NOTE: SEE SHEET 8 FOR
ADDITIONAL INFORMATION



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MEDIVATORS 60

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Endoscope Reprocessing Sinks and Inspection Station

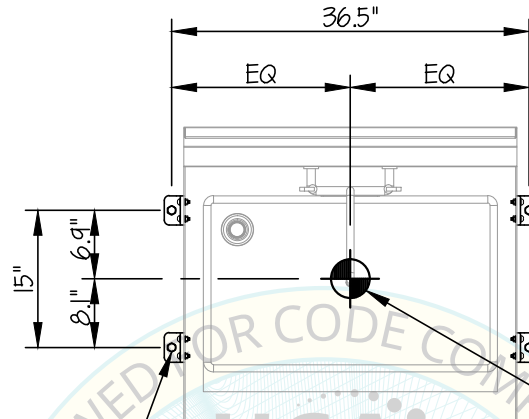
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OF 19 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

MAX $S_{ps} \leq 1.05$

CONCRETE SLAB ON METAL DECK



USE (1)- 1/2" Φ HILTI KB-TZ2 (SS)
EXPANSION ANCHORS
(MIN. EMBED. (h_{ef}) = 2")
(EA BRACKET 4 PLACES, 4 TOTAL)
CONNECTION TO SINK W/
(2)- 3/8" Φ (SS) M SCREWS
EACH BRACKET
(SEE BRACKET DETAIL "B")

C.G. WT. = 355 LB.
(\bar{Z} = 32.2")

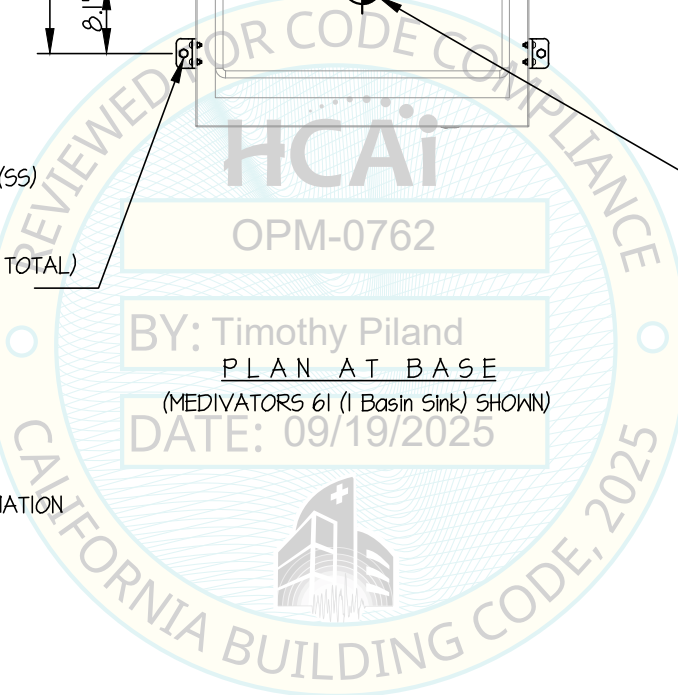
OPM-0762

BY: Timothy Piland
PLAN AT BASE

(MEDIVATORS 60 (1 Basin Sink) SHOWN)

DATE: 09/19/2025

NOTE: SEE SHEET 8 FOR
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DES. J. ROBERSON

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MEDIVATORS 60

JOB NO. 14-2503

Endoscope Reprocessing Sinks and Inspection Station

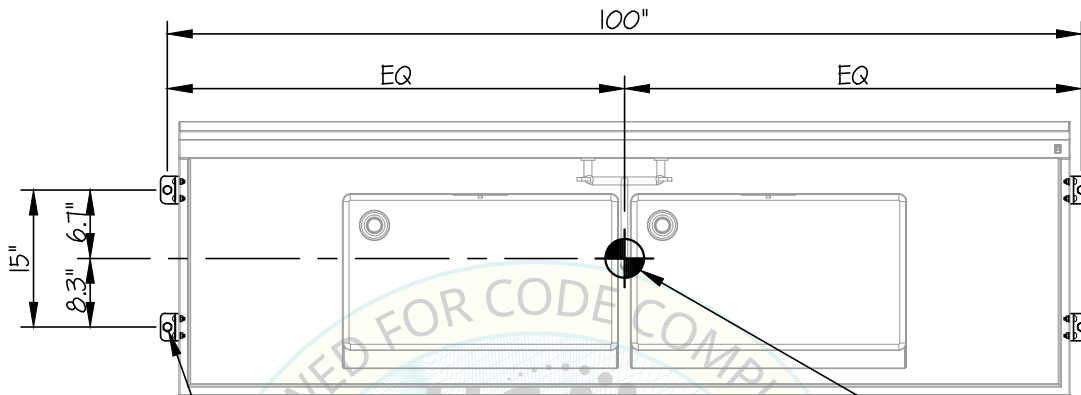
DATE 9/19/25

OF 19 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

MAX $S_{ps} \leq 0.50$

CONCRETE SLAB ON METAL DECK



USE (1)- 1/2" ϕ HILTI KB-TZ2 (SS)
EXPANSION ANCHORS
(MIN. EMBED. (h_{ef}) = 2")
(EA BRACKET 4 PLACES, 4 TOTAL)
CONNECTION TO SINK W/
(2)- 3/8" ϕ (SS) M SCREWS
EACH BRACKET
(SEE BRACKET DETAIL "B")

C.G. WT. = 736 LB.
($Z = 36.1"$)

OPM-0762

BY: Timothy Piland

PLAN AT BASE

(MEDIVATORS 62 (2 Basin Sink) SHOWN)

DATE: 09/19/2025

NOTE: SEE SHEET 8 FOR
ADDITIONAL INFORMATION



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MEDIVATORS 60

JOB NO. 14-2503

Endoscope Reprocessing Sinks and Inspection Station

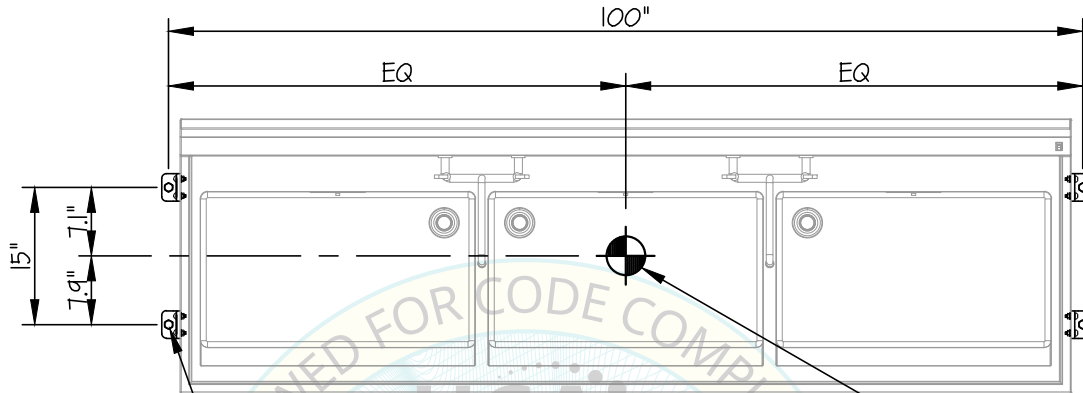
DATE 9/19/25

OF 19 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

MAX $S_{ps} \leq 0.40$

CONCRETE SLAB ON METAL DECK



USE (1)- 1/2" ϕ HILTI KB-TZ2 (SS)
EXPANSION ANCHORS
(MIN. EMBED. (h_{ef}) = 2")
(EA BRACKET 4 PLACES, 4 TOTAL)
CONNECTION TO SINK W/
(2)- 3/8" ϕ (SS) M SCREWS
EACH BRACKET
(SEE BRACKET DETAIL "B")

C.G. WT. = 896 LB.
(\bar{Z} = 37")

OPM-0762

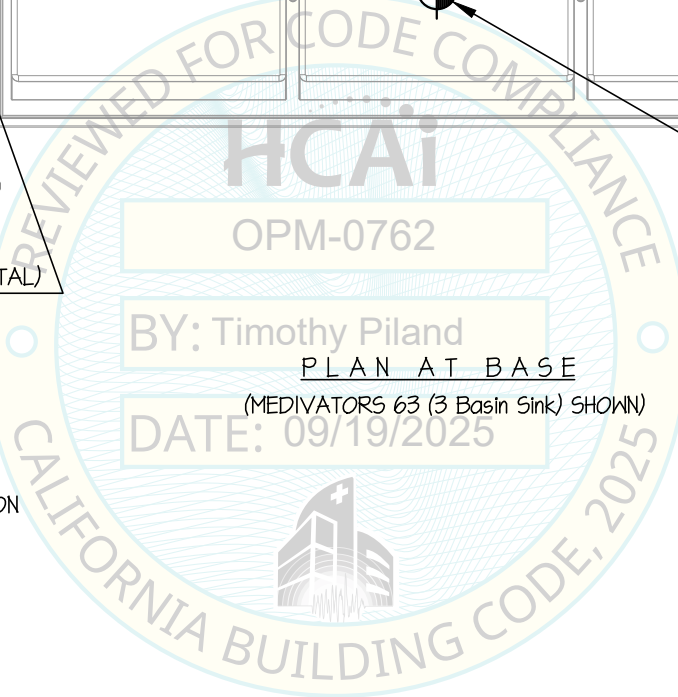
BY: Timothy Piland

PLAN AT BASE

(MEDIVATORS 63 (3 Basin Sink) SHOWN)

DATE: 09/19/2025

NOTE: SEE SHEET 8 FOR
ADDITIONAL INFORMATION



STERIS CORPORATION

MEDIVATORS 60

Endoscope Reprocessing Sinks and Inspection Station

DES. J. ROBERSON

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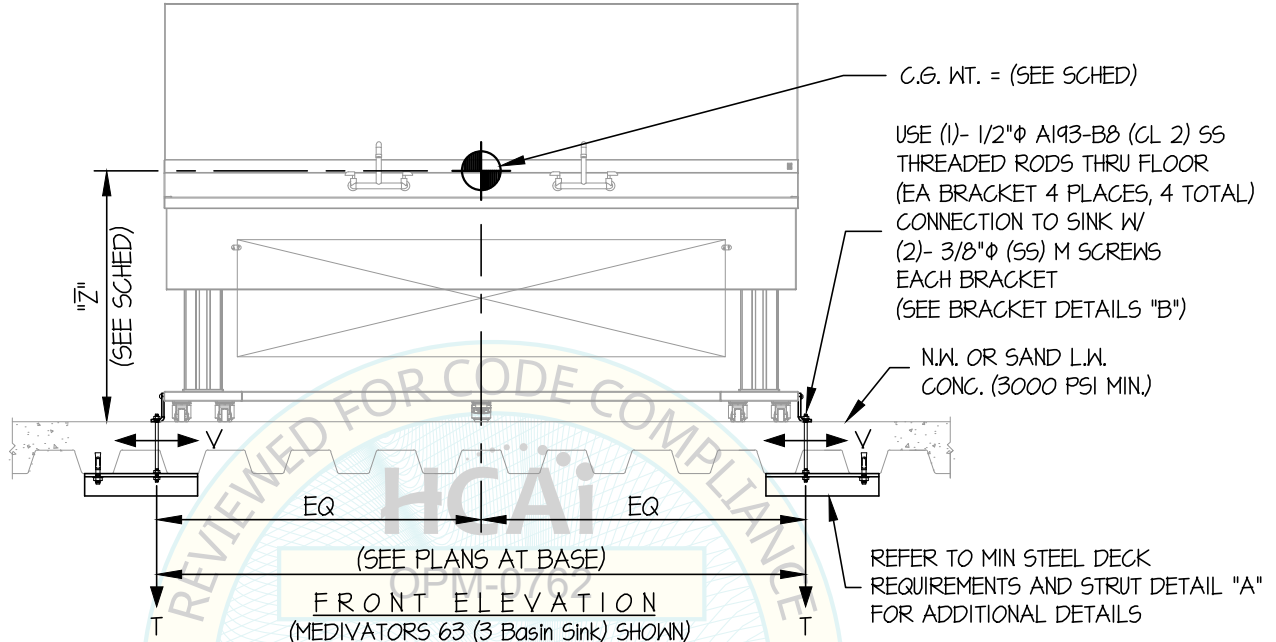
SHEET

13

OF 19 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB ON METAL DECK



MODEL	WEIGHT (lb/ft)	"Z" (in.)	Tu (lb.)	Vu (lb.)
MEDIVATORS Inspection Station	209	29.7	597	222
MEDIVATORS 61 (1 Basin Sink)	355	32.2	1084	319
MEDIVATORS 62 (2 Basin Sink)	736	36.1	2336	673
* MEDIVATORS 63 (3 Basin Sink)	896	37.0	2916	789

* THIS UNIT IS USED IN CALCULATION

** VALUES DO NOT INCLUDE Ω_{op}

NOTES:

- FORCES ARE DETERMINED PER 2025 CALIFORNIA BUILDING CODE AND ASCE 7-22. STRENGTH DESIGN IS USED. (EXAMPLE: $S_{ds}=2.50$, $I_p=1.5$, $CAR=1.0$, $R_{po}=1.5$, $\Omega_{op}=2.0$, $R_f=1.3$, $H_f=3.375$, $z/h=0.95$)

HORIZONTAL FORCE (E_h) = 2.60 W_p

HORIZONTAL FORCE (E_{mh}) = 5.20 W_p (FOR CONCRETE ANCHORAGE)

VERTICAL FORCE (E_v) = 0.50 W_p
- THIS PREAPPROVAL ENCOMPASSES WEIGHTS AND VERTICAL C.G. POSITIONS NOT EXCEEDING VALUES SHOWN.
- THIS PREAPPROVAL WAS PREPARED WITHOUT KNOWLEDGE OF ANY SITE CONDITION. COMPATIBILITY FOR USE WITH A SITE SHALL BE EVALUATED BY THE STRUCTURAL ENGINEER OF RECORD OF THE INSTALLATION (SEOR). USE REQUIRES APPROVAL BY THE SEOR.
- STRUCTURAL ENGINEER OF RECORD FOR THE INSTALLATION SHALL VERIFY ALL CONDITIONS, EVALUATE INTERACTION WITH ADJACENT EQUIPMENT AND ANCHORS, AND PROVIDE SUPPORT STRUCTURE DESIGNED TO SUPPORT WEIGHTS AND FORCES SHOWN IN COMBINATION WITH ALL OTHER LOADS THAT MAY BE PRESENT.
- SEE GENERAL NOTES: SHEETS 1 AND 2



STERIS CORPORATION

DES. J. ROBERSON

SHEET

14

JOB NO. 14-2503

MEDIVATORS 60

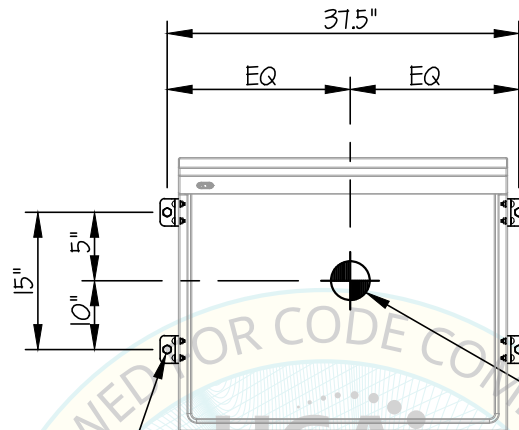
DATE 9/19/25

OF 19 SHEETS

Endoscope Reprocessing Sinks and Inspection Station

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB ON METAL DECK



USE (1)- 1/2" Φ A193-B8 (CL 2) SS
THREADED RODS THRU FLOOR
(EA BRACKET 4 PLACES, 4 TOTAL)
CONNECTION TO SINK W/
(2)- 3/8" Φ (SS) M SCREWS
EACH BRACKET
(SEE BRACKET DETAIL "B")

C.G. WT. = 204 LB.
(\bar{Z} = 29.7")

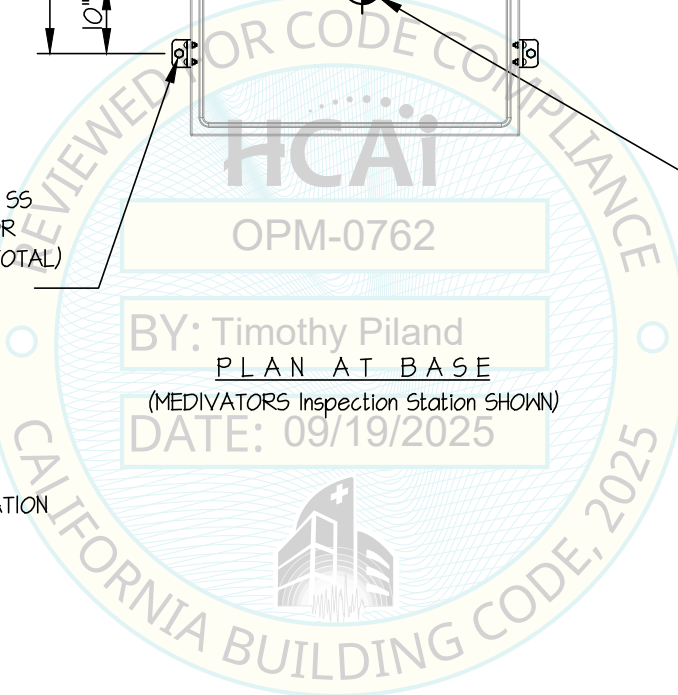
OPM-0762

BY: Timothy Piland
PLAN AT BASE

(MEDIVATORS Inspection Station SHOWN)

DATE: 09/19/2025

NOTE: SEE SHEET 13 FOR
ADDITIONAL INFORMATION



STERIS CORPORATION

DES. **J. ROBERSON**

SHEET

15

JOB NO. **14-2503**

DATE **9/19/25**

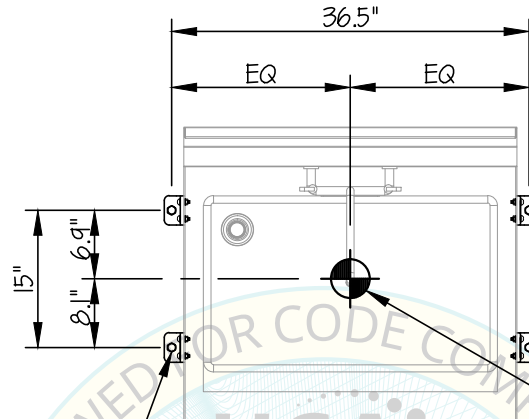
OF **19** SHEETS

MEDIVATORS 60

Endoscope Reprocessing Sinks and Inspection Station

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB ON METAL DECK



USE (1)- 1/2"Ø A193-B8 (CL 2) SS
THREADED RODS THRU FLOOR
(EA BRACKET 4 PLACES, 4 TOTAL)
CONNECTION TO SINK W/
(2)- 3/8"Ø (SS) M SCREWS
EACH BRACKET
(SEE BRACKET DETAIL "B")

C.G. WT. = 355 LB.
(\bar{Z} = 32.2")

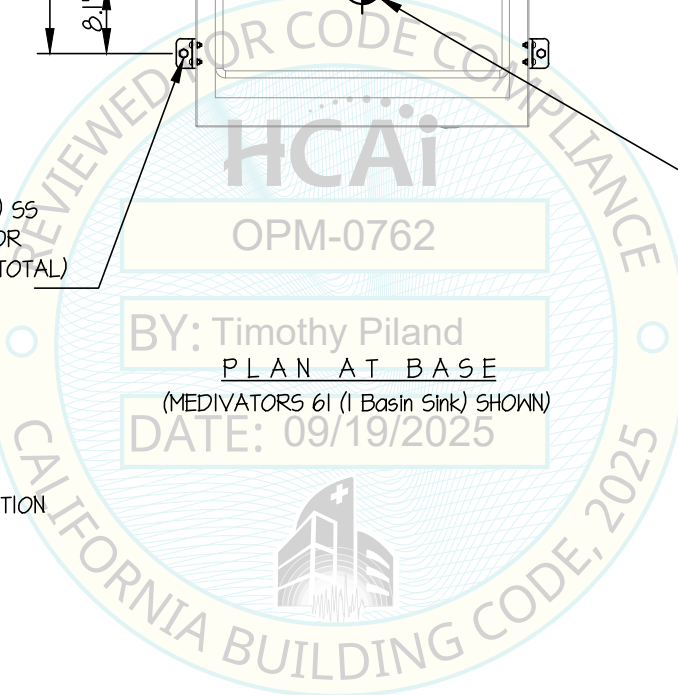
OPM-0762

BY: Timothy Piland
PLAN AT BASE

(MEDIVATORS 60 (1 Basin Sink) SHOWN)

DATE: 09/19/2025

NOTE: SEE SHEET 13 FOR
ADDITIONAL INFORMATION



STERIS CORPORATION

DES. J. ROBERSON

SHEET

16

MEDIVATORS 60

JOB NO. 14-2503

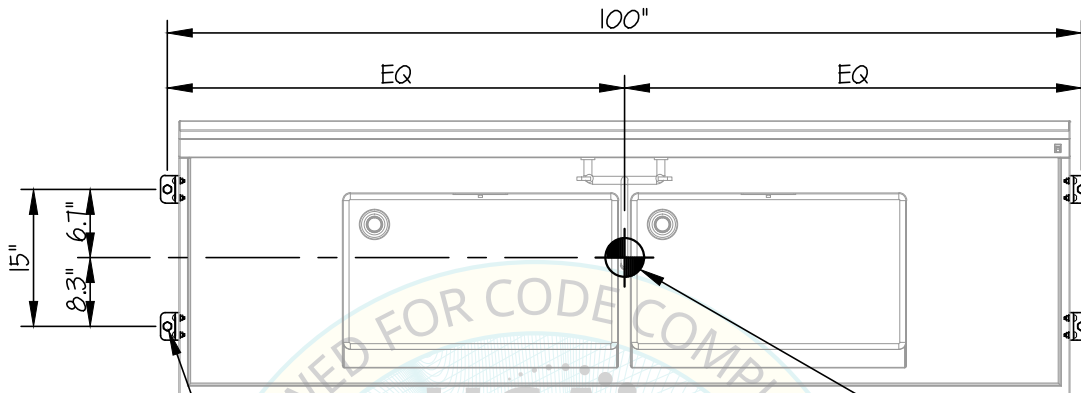
Endoscope Reprocessing Sinks and Inspection Station

DATE 9/19/25

OF 19 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB ON METAL DECK



USE (1)- 1/2" ϕ A193-B8 (CL 2) SS
THREADED RODS THRU FLOOR
(EA BRACKET 4 PLACES, 4 TOTAL)
CONNECTION TO SINK W/
(2)- 3/8" ϕ (SS) M SCREWS
EACH BRACKET
(SEE BRACKET DETAIL "B")

C.G. WT. = 136 LB.
(Z = 36.1")

OPM-0762

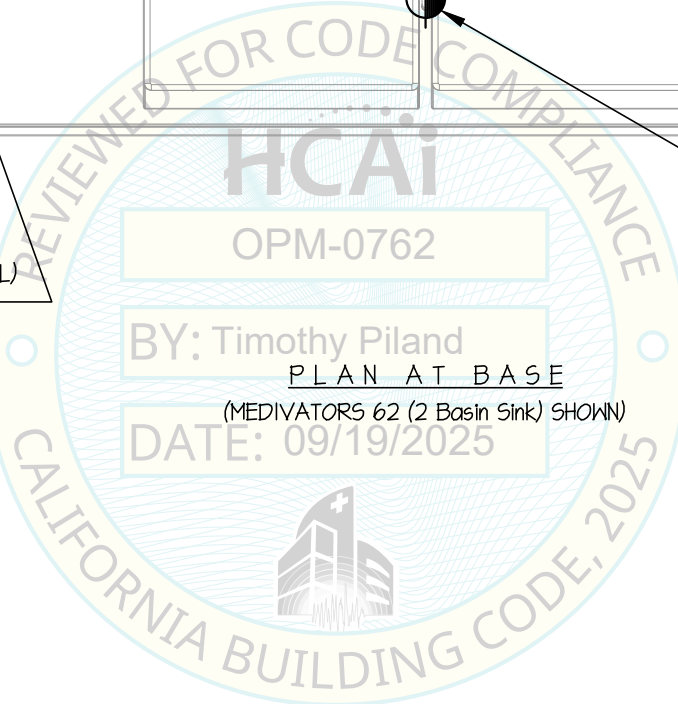
BY: Timothy Piland

PLAN AT BASE

(MEDIVATORS 62 (2 Basin Sink) SHOWN)

DATE: 09/19/2025

NOTE: SEE SHEET 13 FOR
ADDITIONAL INFORMATION



STERIS CORPORATION

DES. J. ROBERSON

SHEET

17

MEDIVATORS 60

JOB NO. 14-2503

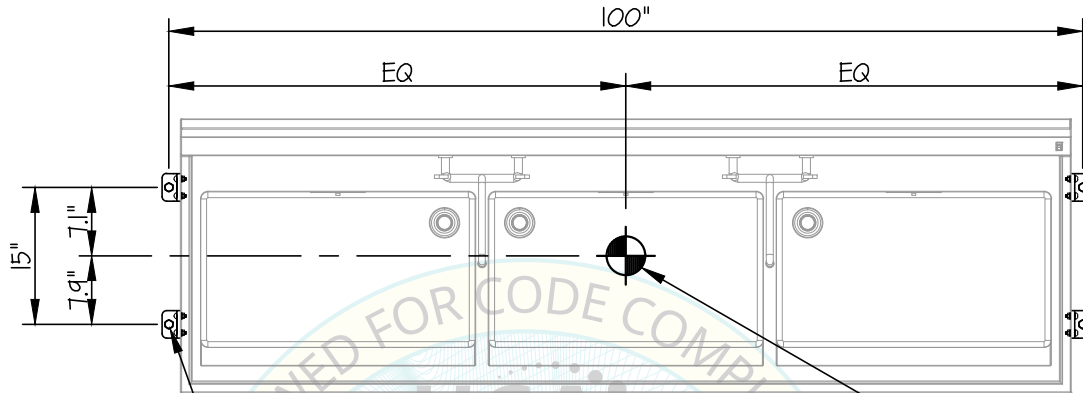
Endoscope Reprocessing Sinks and Inspection Station

DATE 9/19/25

OF 19 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE SLAB ON METAL DECK



USE (1)- 1/2" ϕ A193-B8 (CL 2) SS
 THREADED RODS THRU FLOOR
 (EA BRACKET 4 PLACES, 4 TOTAL)
 CONNECTION TO SINK W/
 (2)- 3/8" ϕ (SS) M SCREWS
 EACH BRACKET
 (SEE BRACKET DETAIL "B")

C.G. WT. = 896 LB.
 (Z = 37")

NOTE: SEE SHEET 13 FOR
 ADDITIONAL INFORMATION

PLAN AT BASE

(MEDIVATORS 63 (3 Basin Sink) SHOWN)

DATE: 09/19/2025



STERIS CORPORATION

DES. J. ROBERSON

SHEET

18

JOB NO. 14-2503

DATE 9/19/25

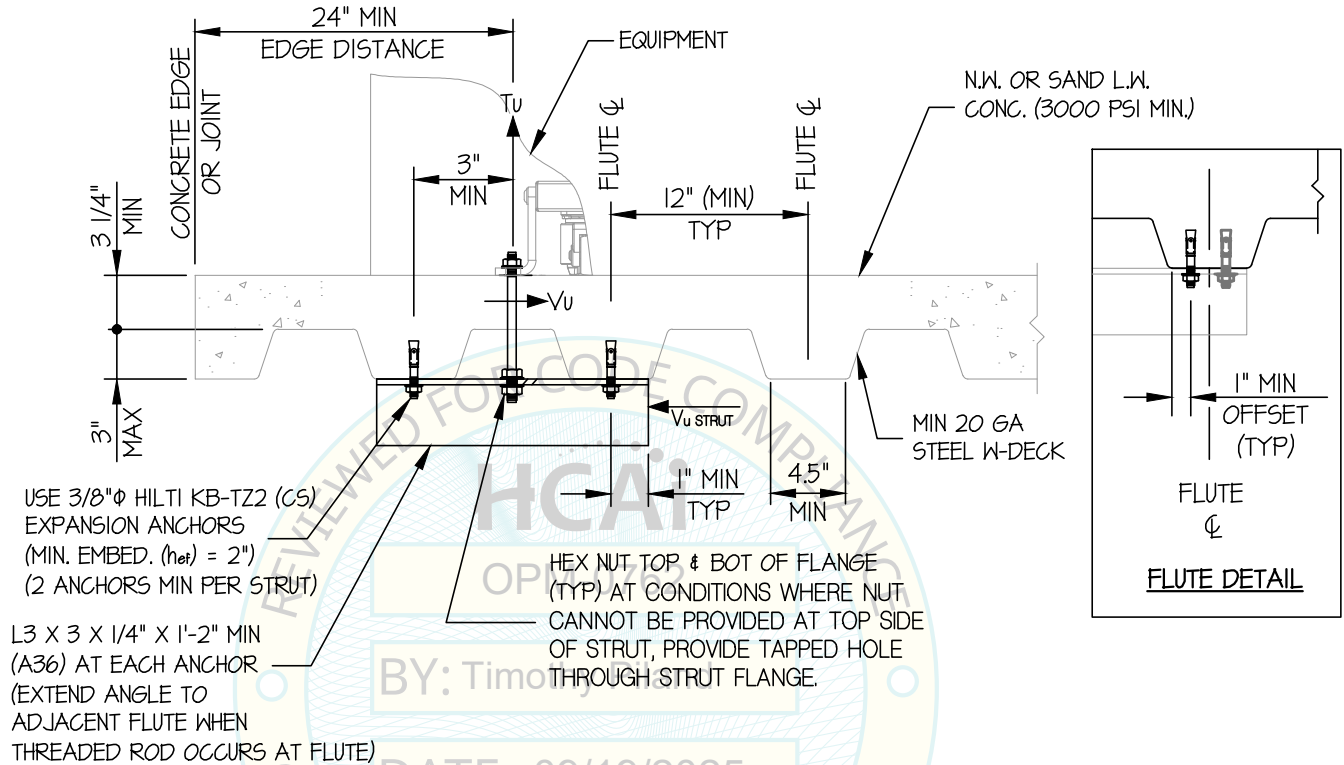
OF 19 SHEETS

MEDIVATORS 60

Endoscope Reprocessing Sinks and Inspection Station

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE DETAIL



MIN STEEL DECK REQUIREMENTS AND STRUT DETAIL (A)



STERIS CORPORATION

DES. J. ROBERSON

SHEET

19

MEDIVATORS 60

JOB NO. 14-2503

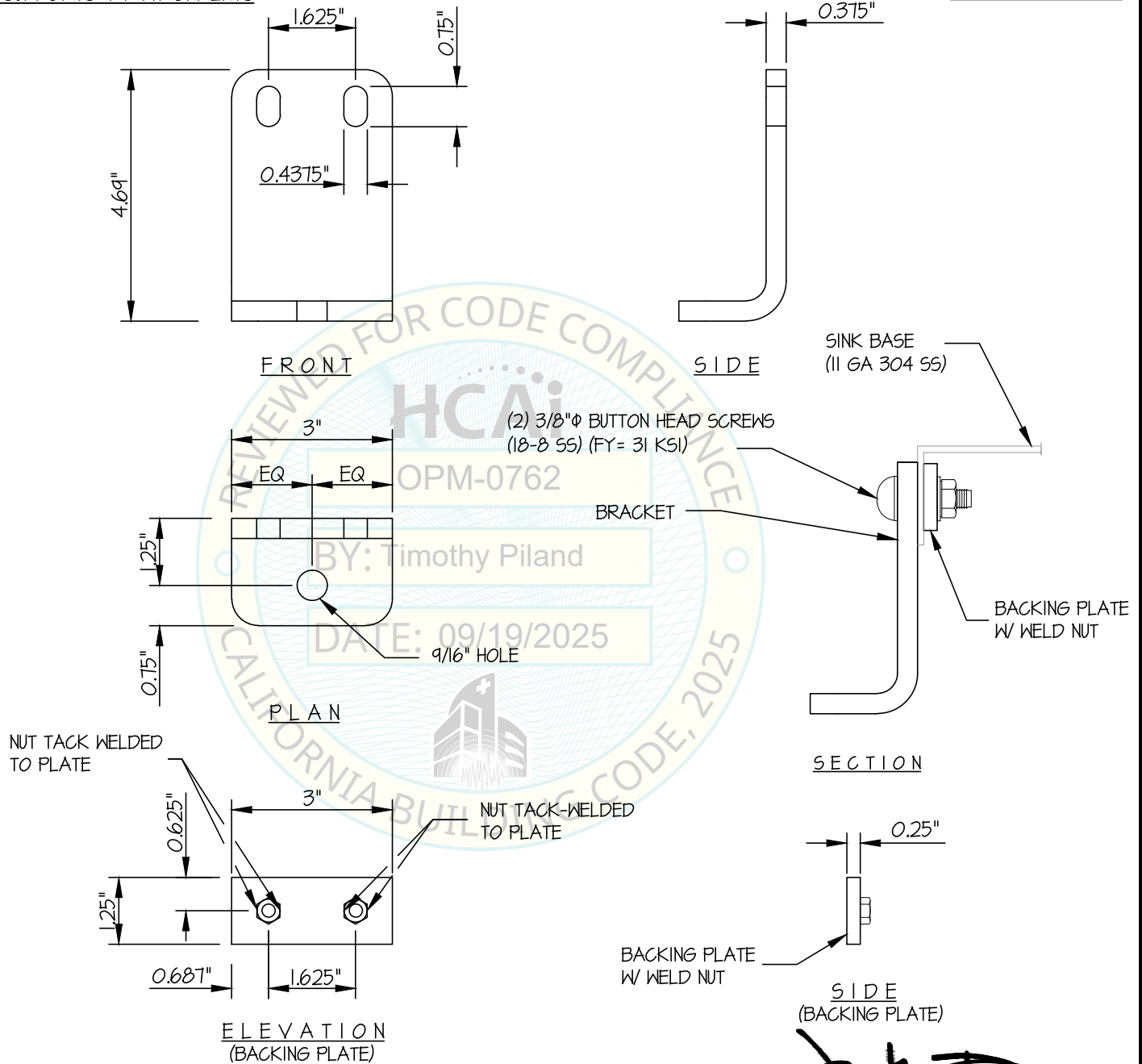
Endoscope Reprocessing Sinks and Inspection Station

DATE 9/19/25

OF 19 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

BRACKET DETAILS

BRACKET DETAILS (B)
(304 STAINLESS STEEL)