



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-0708

HCAI Preapproval of Manufacturer's Certification (OPM)

Type: New Renewal/Update

Manufacturer Information

Manufacturer: WERFEN

Manufacturer's Technical Representative: Brian Lumb

Mailing Address: 180 Hartwell Road, Bedford, MA 01730

Telephone: (781) 861-4523

Email: blumb@werfen.com

Product Information

Product Name: ACL TOP 770

Product Type: HEMOSTASIS TESTING EQUIPMENT-LABORATORY ANALYZER

Product Model Number: 00000280057

General Description: MEDICAL EQUIPMENT USED FOR HEMOSTASIS TESTING

Applicant Information

Applicant Company Name: Safe-T-Proof

Contact Person: Glen Granholm

Mailing Address: 1207 West Isabel Street, Burbank, CA 91506

Telephone: (800) 377-8888

Email: gg@safe-t-proof.com

Title: Vice President

"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
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT**

Registered Design Professional Preparing Engineering Recommendations

Company Name: BASE DESIGN
Name: Kathryn Briggs California License Number: S5732
Mailing Address: 582 Market St., Suite 1101, San Francisco, CA 94104
Telephone: (415) 466-2997 Email: Katy@BASEdesigninc.com

HCAI Special Seismic Certification Preapproval (OSP)

Special Seismic Certification is preapproved under OSP OSP Number: _____

Certification Method

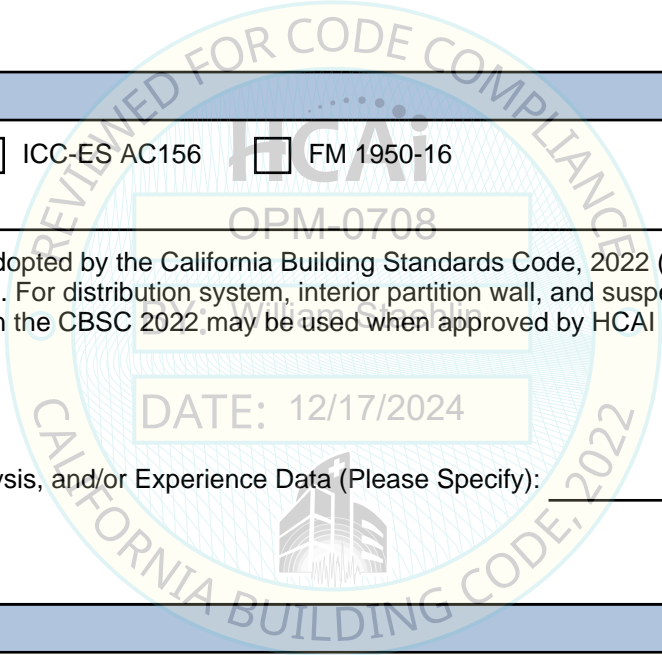
Testing in accordance with: ICC-ES AC156 FM 1950-16
 Other(s) (Please Specify): _____

*Use of criteria other than those adopted by the California Building Standards Code, 2022 (CBSC 2022) 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 2022 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: 12/17/2024
Name: William Staehlin Title: Senior Structural Engineer
Condition of Approval (if applicable): _____



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STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY



GENERAL NOTES:

1. THIS HCAI PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE CBC 2022. THE DEMAND (DESIGN FORCES) FOR USE W/ THIS OPM MUST BE BASED ON THE CBC 2022.

2. IT IS THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER OF RECORD FOR A SITE SPECIFIC PROJECT TO VERIFY:

A. THE ADEQUACY OF THE NEW OR (E) STRUCTURE TO RESIST THE FORCES & WEIGHT SPECIFIED FOR EACH EQUIP IN ADDITION TO ALL OTHER LOADS. PROVIDE & DESIGN SUPPLEMENTARY MEMBERS AS REQUIRED.

B. THAT THE INSTALLATION IS IN CONFORMANCE WITH THE CBC 2022 & WITH THE DETAILS SHOWN IN THIS PRE-APPROVAL.

C. THAT THE ACTUAL EQUIPMENT'S WEIGHT, CENTER OF GRAVITY (CG) LOCATION, ATTACHMENT LOCATIONS, ATTACHMENT DETAILS, & THE MATERIAL & GAGE OF THE EQUIPMENT WHERE ATTACHMENTS ARE MADE, AGREE WITH THE INFORMATION SHOWN ON THE PRE-APPROVAL DOCUMENTS.

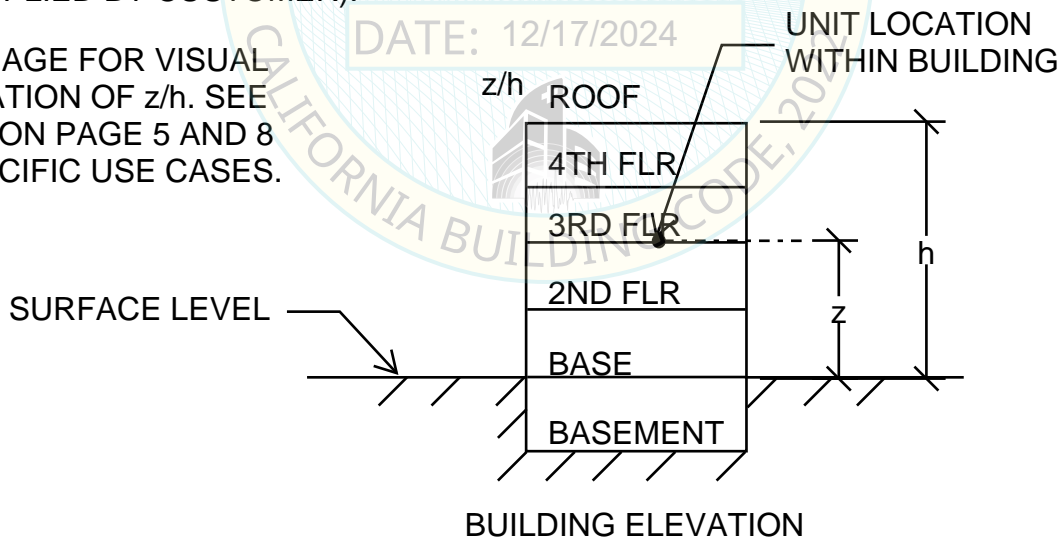
3. ATTACHMENT RESTRAINTS MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS & NOTES ON FOLLOWING PAGES.



4. TWO (2) CASES OF ATTACHMENT ARE SPECIFIED & PRESENTED IN THIS PRE-APPROVAL:

CASE "A": CASE "A" IS FOR RESTRAINT STRAP LOCATED ON TOP OF TABLE/BENCH TOP (SUPPLIED BY CUSTOMER).

CASE "B": CASE "B" IS FOR RESTRAINT STRAP LOCATED ON SIDES OF TABLE/BENCH TOP (SUPPLIED BY CUSTOMER).

5. SEE IMAGE FOR VISUAL EXPLANATION OF z/h. SEE CHARTS ON PAGE 5 AND 8 FOR SPECIFIC USE CASES.



	PROJECT: WERFEN 770 OPM		PROPRIETARY AND CONFIDENTIAL DRAWING IS NOT FOR USE OR DISCLOSURE OUTSIDE SAFE-T-PROOF DISASTER PREPAREDNESS CO., INC. THE DRAWING AND SUBJECT MATTER DEPICTED HEREIN ARE THE SOLE AND EXCLUSIVE PROPERTY OF SAFE-T-PROOF. ALL RIGHTS WITH RESPECT TO THIS DRAWING AND THE SUBJECT MATTER DEPICTED HEREIN ARE EXPRESSLY RESERVED AND WITHHELD BY SAFE-T-PROOF.
	SHEET NAME: GENERAL NOTES 1		
PAGE 1 OF 10	PROJECT NO: 21214 SCALE: NTS	SEOR SIGN-OFF: 	
	DWN BY: NM DATE: 12/17/2024		

DESIGN CRITERIA

SUPPORT & ATTACHMENT DESIGN IS PER 2022 CBC ASD LEVEL FORCES.

OTHER MECHANICAL OR ELECTRICAL COMPONENTS PER TABLE 13.6-1 OF ASCE 7-16 INCLUDING SUPPLEMENT #1 & ERRATA:

ap= 1.0 Rp= 1.5 Ip= 1.5

UNIT WEIGHT AS NOTED IN TABLE BELOW

ASD LOAD COMBINATIONS

(0.6 - 0.14 SDS) D - Fp (FOR MAX TENSION)



(1.0 + 0.14 SDS) D + Fp (FOR MAX COMPRESSION)

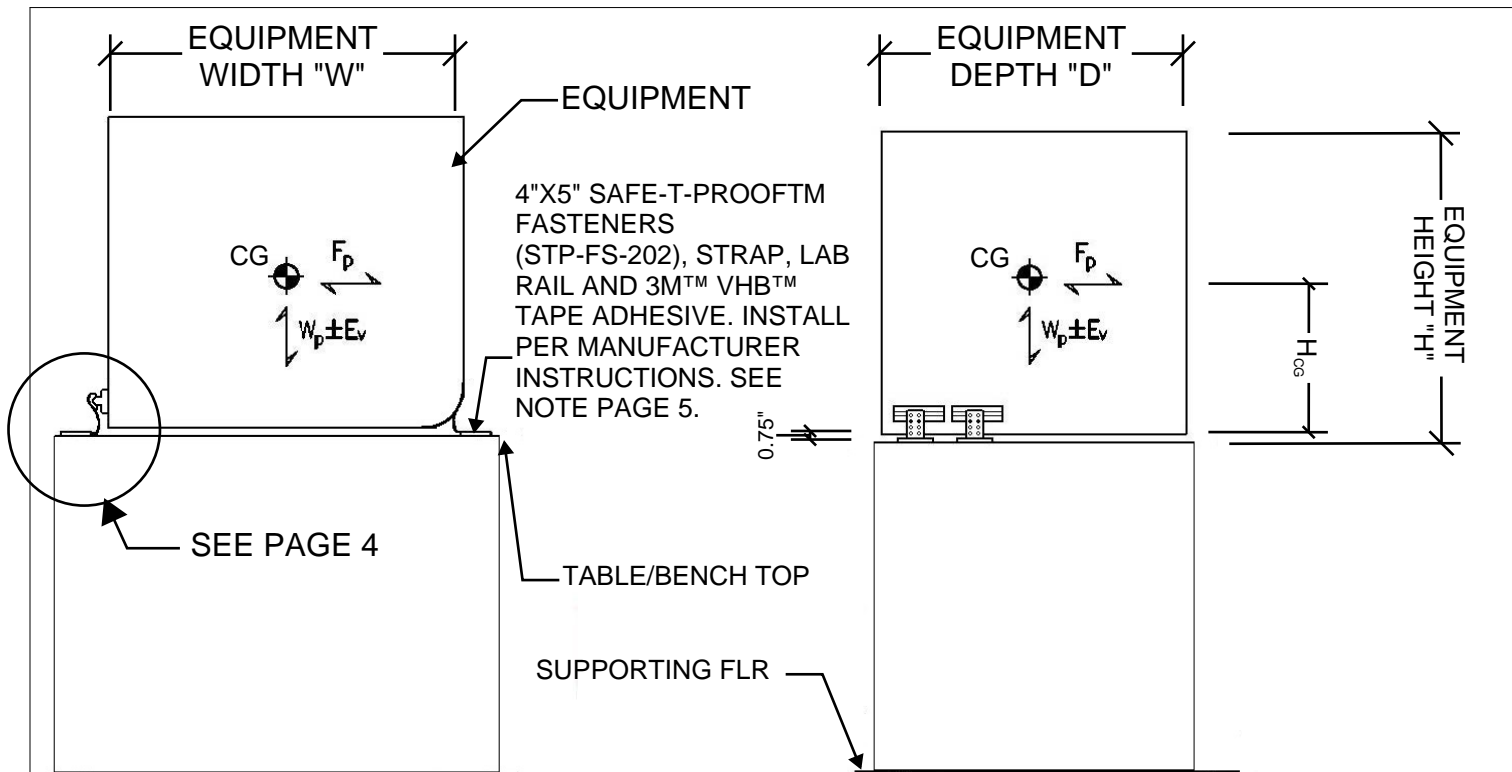
EQUIPMENT DIMENSIONS:

UNIT	WIDTH "W" (IN)	DEPTH "D" (IN)	HEIGHT "H" (IN)	Hcg (IN)	WEIGHT "Wp" (LBS)
ACLTOP 770	62.92	30.56	28.77	6.00	420

NOTE:

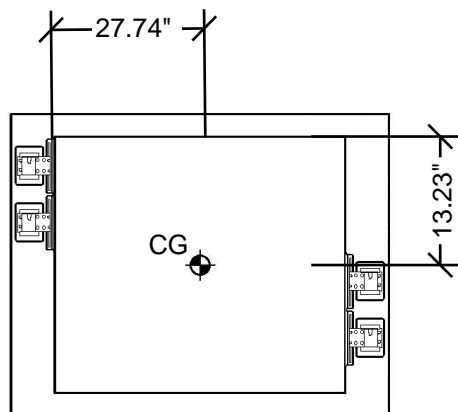
TABULATED VALUES ARE FOR THE INSTRUMENT ONLY. IT DOES NOT INCLUDE THE SUPPORT TABLE OR BENCH TOP.

	PROJECT: WERFEN 770 OPM		PROPRIETARY AND CONFIDENTIAL <small>DRAWING IS NOT FOR USE OR DISCLOSURE OUTSIDE SAFE-T-PROOF DISASTER PREPAREDNESS CO., INC.</small> <small>THE DRAWING AND SUBJECT MATTER DEPICTED HEREIN ARE THE SOLE AND EXCLUSIVE PROPERTY OF SAFE-T-PROOF. ALL RIGHTS WITH RESPECT TO THIS DRAWING AND THE SUBJECT MATTER DEPICTED HEREIN ARE EXPRESSLY RESERVED AND WITHHELD BY SAFE-T-PROOF.</small>
	SAFE-T-PROOF™ PART NUMBER: STP-OPM-0708		
SHEET NAME: DESIGN CRITERIA & UNIT DIMENSIONS	PROJECT NO: 21214 SCALE: NTS		SEOR SIGN-OFF: 
	DWN BY: NM DATE: 12/17/2024		
PAGE 2 OF 10			



FRONT ELEV

SIDE ELEV



PLAN VIEW

NOTES:

1. ATTACHMENT OF TABLE/BENCH TOP TO THE SUPPORTING STRUCTURE IS NOT COVERED IN THIS OPM. ENGINEER/DESIGNER OF RECORD IS RESPONSIBLE FOR DESIGN OF TABLE/BENCH TOP ANCHORAGE.
2. TABLE/BENCH TOP IS ONE OF THE FOLLOWING:
 - 304 STAINLESS STEEL
 - WA CHEMSURF-BLACK LAMINATE
 - WA DOVE GREY LAMINATE
 - EPOXY PANEL
 - PHENOLIC PANEL
 - FUNDERMNAX PANEL
 - TRESPA PANEL
 - SPC-CR DURCON GRAPHITE
 - SPC-CR DURCON CARBON BLACK
 - SPC-CR DURCON GLACIER WHITE
 - SPC-CR DURCON STEEL GREY
 - POWDER COATED STEEL
3. SEE PAGE 9 FOR DETAILED EQUIPMENT DRAWINGS.



PROJECT:
WERFEN 770 OPM

**SAFE-T-PROOF™ PART NUMBER:
STP-OPM-0708**

SHEET NAME:
UNIT CONFIGURATION
CASE "A"

PROPRIETARY AND CONFIDENTIAL
DRAWING IS NOT FOR USE OR DISCLOSURE
OUTSIDE SAFE-T-PROOF DISASTER PREPAREDNESS
CO., INC.

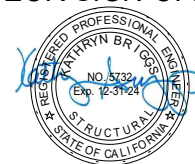
THE DRAWING AND SUBJECT MATTER DEPICTED
HEREIN ARE THE SOLE AND EXCLUSIVE PROPERTY
OF SAFE-T-PROOF. ALL RIGHTS WITH RESPECT TO
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PROJECT NO: 21214 SCALE: NTS

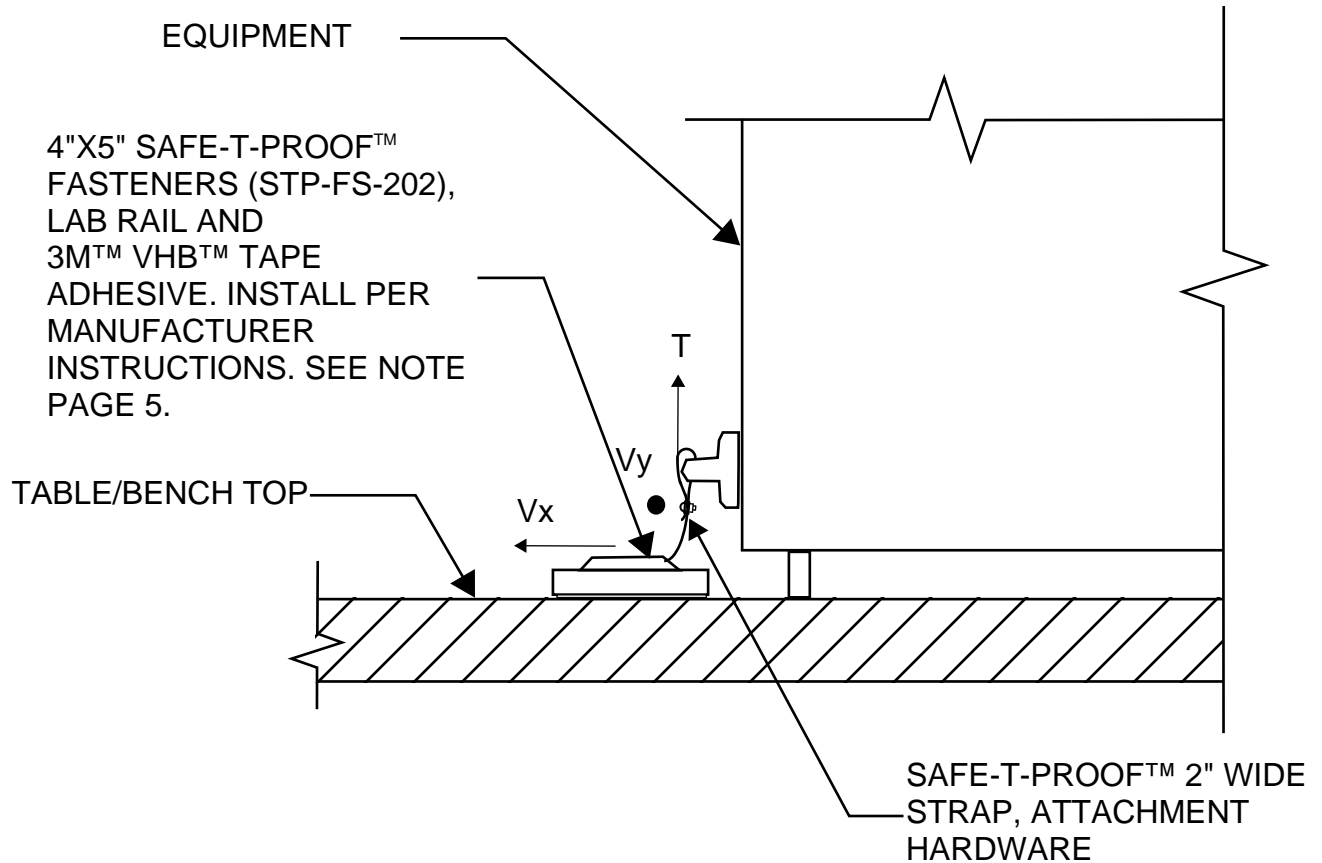
SEOR SIGN-OFF:



DWN BY: NM

DATE: 12/17/2024



1. THESE FORCES ARE PRESENTED AT ASD LEVELS.
2. TABULATED DEMAND LOADS SHOWN ARE AT THE INTERFACE BETWEEN PAD & THE TABLETOP SURFACE.
3. "Vy" REPRESENTS SHEAR PERPENDICULAR TO THIS PLANE.





	<p>PROJECT: WERFEN 770 OPM</p> <p>SAFE-T-PROOF™ PART NUMBER: STP-OPM-0708</p>		<p>PROPRIETARY AND CONFIDENTIAL DRAWING IS NOT FOR USE OR DISCLOSURE OUTSIDE SAFE-T-PROOF DISASTER PREPAREDNESS CO., INC.</p> <p>THE DRAWING AND SUBJECT MATTER DEPICTED HEREIN ARE THE SOLE AND EXCLUSIVE PROPERTY OF SAFE-T-PROOF. ALL RIGHTS WITH RESPECT TO THIS DRAWING AND THE SUBJECT MATTER DEPICTED HEREIN ARE EXPRESSLY RESERVED AND WITHHELD BY SAFE-T-PROOF.</p>
<p>SHEET NAME: ATTACHMENT POINT FORCES CASE "A"</p>	<p>PROJECT NO: 21214 SCALE: NTS</p>	<p>SEOR SIGN-OFF:</p> 	
<p>PAGE 4 OF 10</p>	<p>DWN BY: NM DATE: 12/17/2024</p>		

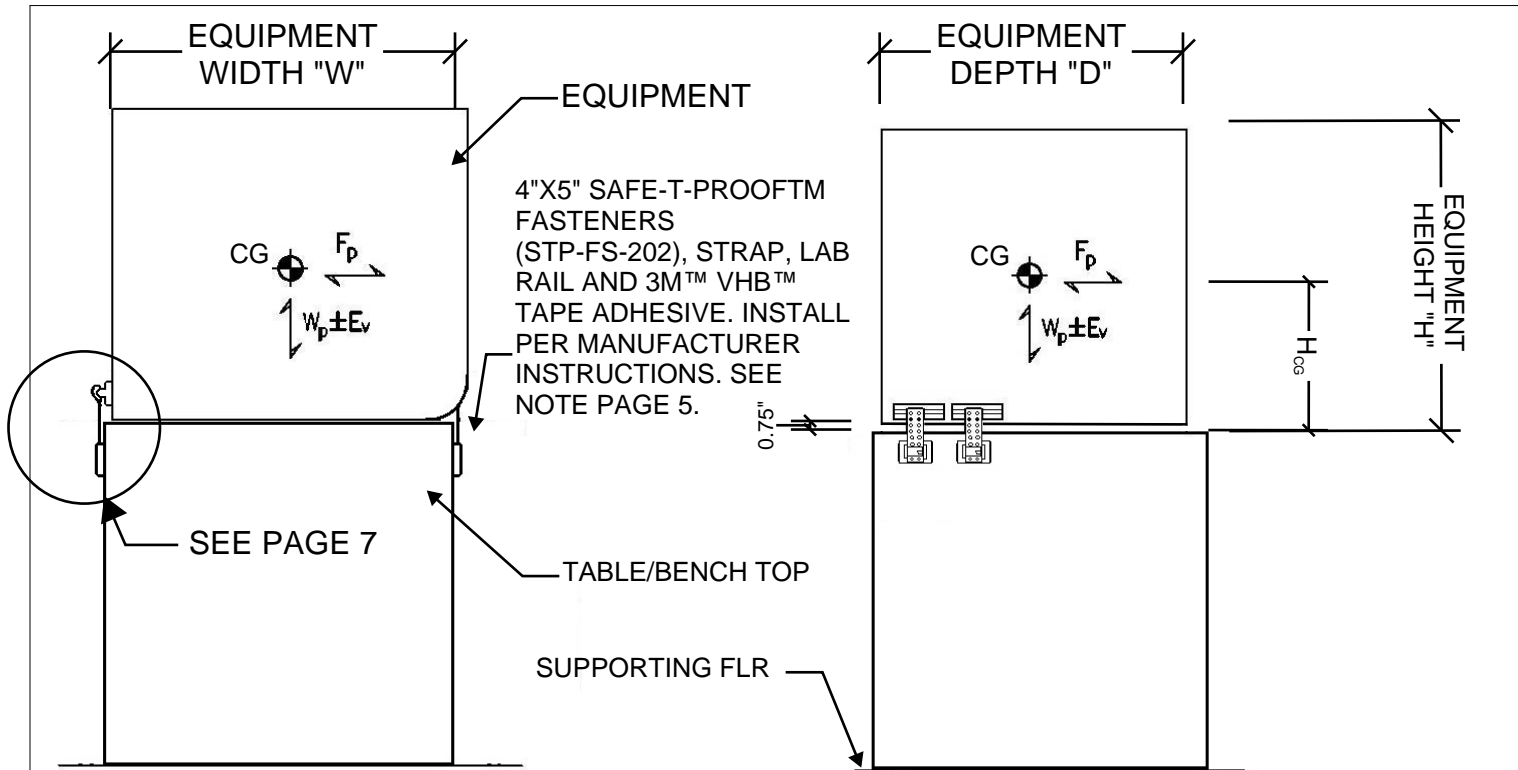
MAX ANCHOR FORCES AT ASD AT EACH BRACKET

SDS	z/h	T (LBS)	Vx (LBS)	Vy (LBS)
1.0	0.00	0	36.99	36.99
	0.25	0	49.31	49.31
	0.50	0	65.75	65.75
	0.75	0	82.19	82.19
	0.90	0	92.05	92.05
1.5	0.00	0	55.48	55.48
	0.25	0	73.97	73.97
	0.50	0	98.63	98.63
	0.75	23.95	123.29	123.29
	0.90	39.83	138.08	138.08
2.0	0.00	0	73.97	73.97
	0.25	16.94	98.63	98.63

NOTE:

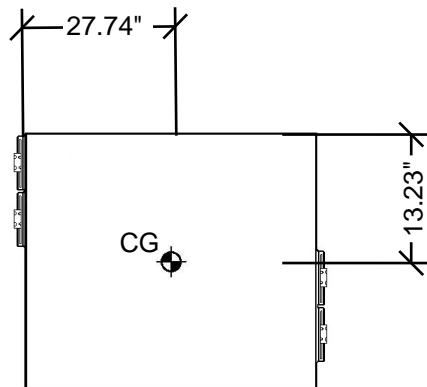
FOLLOW MFR'S INSTRUCTIONS FOR ADHESION OF FOAM ADHESIVE TO BOND SURFACE AS FOLLOWS: CLEAN W/ A 70:30 ISOPROPYL ALCOHOL (IPA)/WATER SOLUTION, ALLOWED TO DRY, LIGHTLY ABRASE THE BOND AREA OF SURFACES (POWDER-COATED STL, SS, PHENOLIC, THERMOPLASTIC LAMINATE) W/ A SCOTCHBRITE 7447 PAD & THEN CLEAN W/ A 70:30 ISOPROPYL ALCOHOL (IPA)/WATER SOLUTION, ALLOWED TO DRY PRIOR TO APPLICATION OF THE ADHESIVE. DO NOT TOUCH ADHESIVE SURFACE WITH HANDS. PRESS FASTENER EVENLY TO SUBSTRATE FOR 30 SECONDS.

	PROJECT: WERFEN 770 OPM		PROPRIETARY AND CONFIDENTIAL DRAWING IS NOT FOR USE OR DISCLOSURE OUTSIDE SAFE-T-PROOF DISASTER PREPAREDNESS CO., INC. THE DRAWING AND SUBJECT MATTER DEPICTED HEREIN ARE THE SOLE AND EXCLUSIVE PROPERTY OF SAFE-T-PROOF. ALL RIGHTS WITH RESPECT TO THIS DRAWING AND THE SUBJECT MATTER DEPICTED HEREIN ARE EXPRESSLY RESERVED AND WITHHELD BY SAFE-T-PROOF.
	SAFE-T-PROOF™ PART NUMBER: STP-OPM-0708		
SHEET NAME: ATTACHMENT POINT FORCES CASE "A"	PROJECT NO: 21214 SCALE: NTS		SEOR SIGN-OFF: 
	DWN BY: NM DATE: 12/17/2024		
PAGE 5 OF 10			



FRONT ELEV

SIDE ELEV



PLAN VIEW

NOTES:

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PROJECT:
WERFEN 770 OPM

**SAFE-T-PROOF™ PART NUMBER:
STP-OPM-0708**

SHEET NAME:
UNIT CONFIGURATION
CASE "B"

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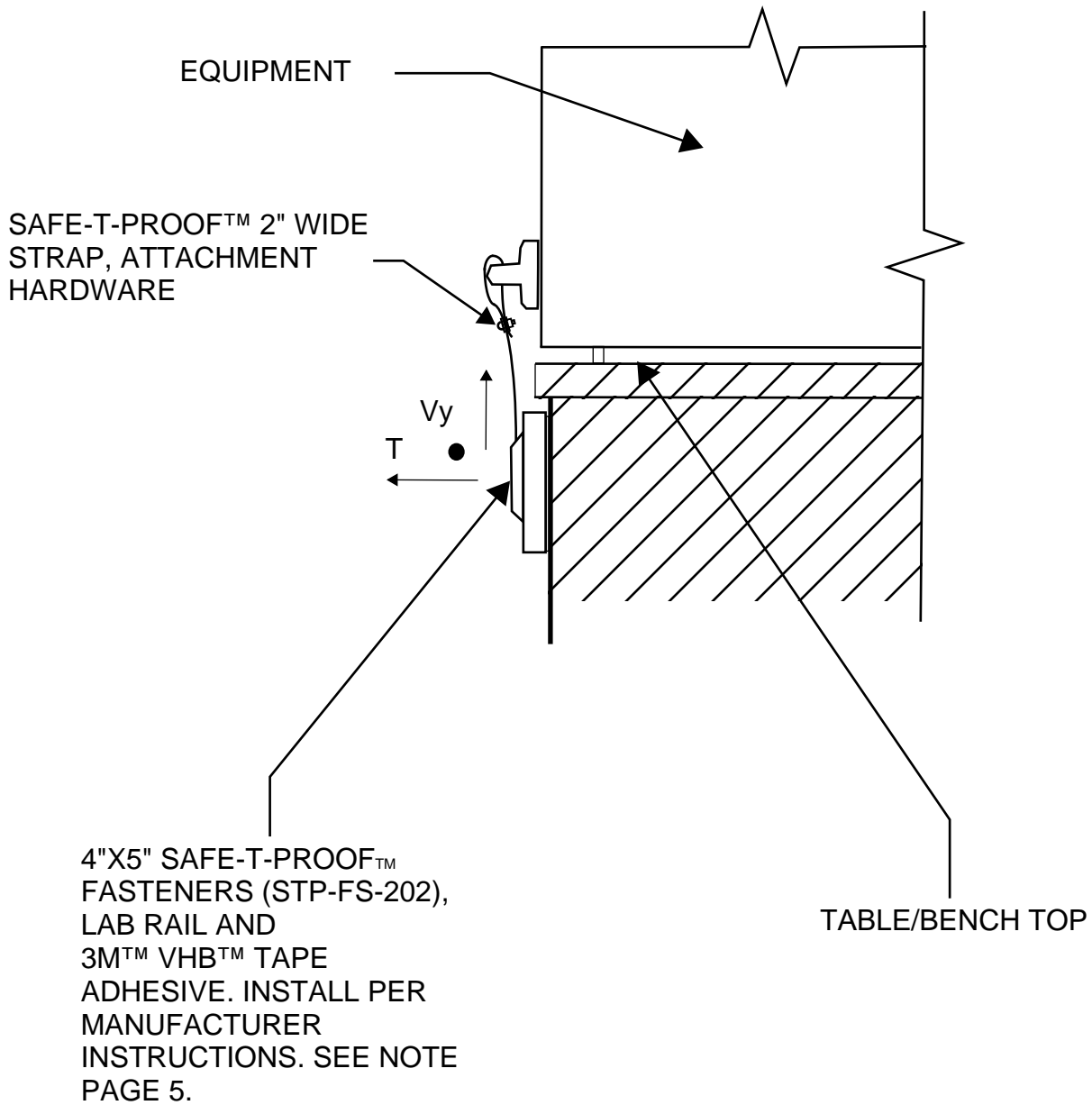
SEOR SIGN-OFF:



DWN BY: NM

DATE: 12/17/2024



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3. "Vy" REPRESENTS SHEAR PERPENDICULAR TO THIS PLANE.





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SHEET NAME: ATTACHMENT POINT FORCES CASE "B"	PROJECT NO: 21214 SCALE: NTS	SEOR SIGN-OFF: 	
PAGE 7 OF 10	DWN BY: NM DATE: 12/17/2024		

MAX ANCHOR FORCES AT ASD AT EACH BRACKET

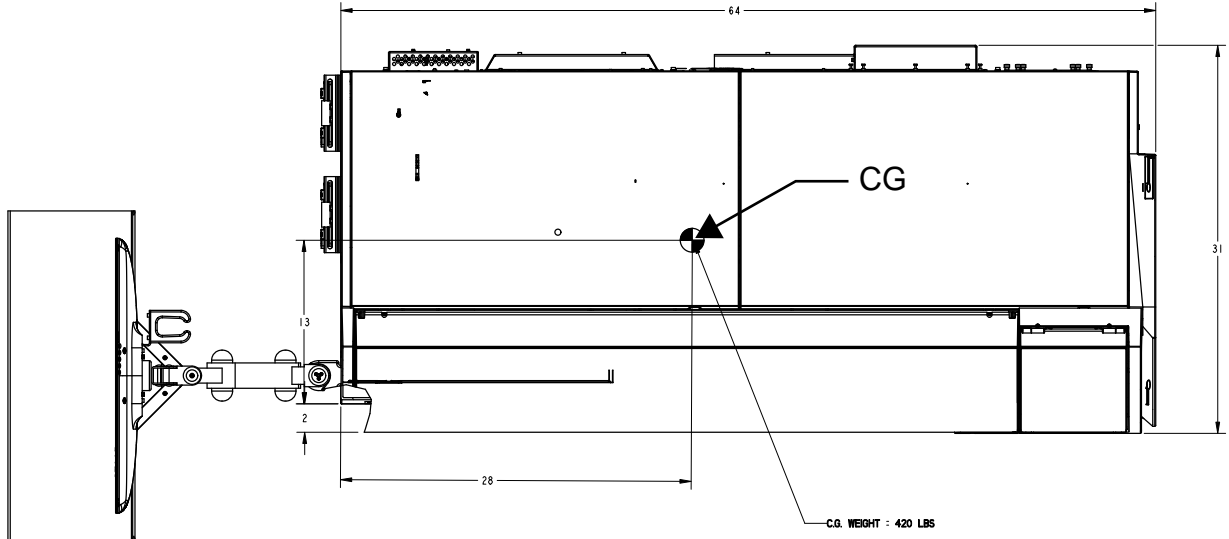
SDS	z/h	T (LBS)	Vz (LBS)	Vy (LBS)
1.0	0.00	36.99	0	36.99
	0.25	49.31	0	49.31
	0.50	65.75	0	65.75
1.5	0.00	55.48	0	55.48
	0.25	73.97	0	73.97
2.0	0.00	73.97	0	73.97

NOTE:

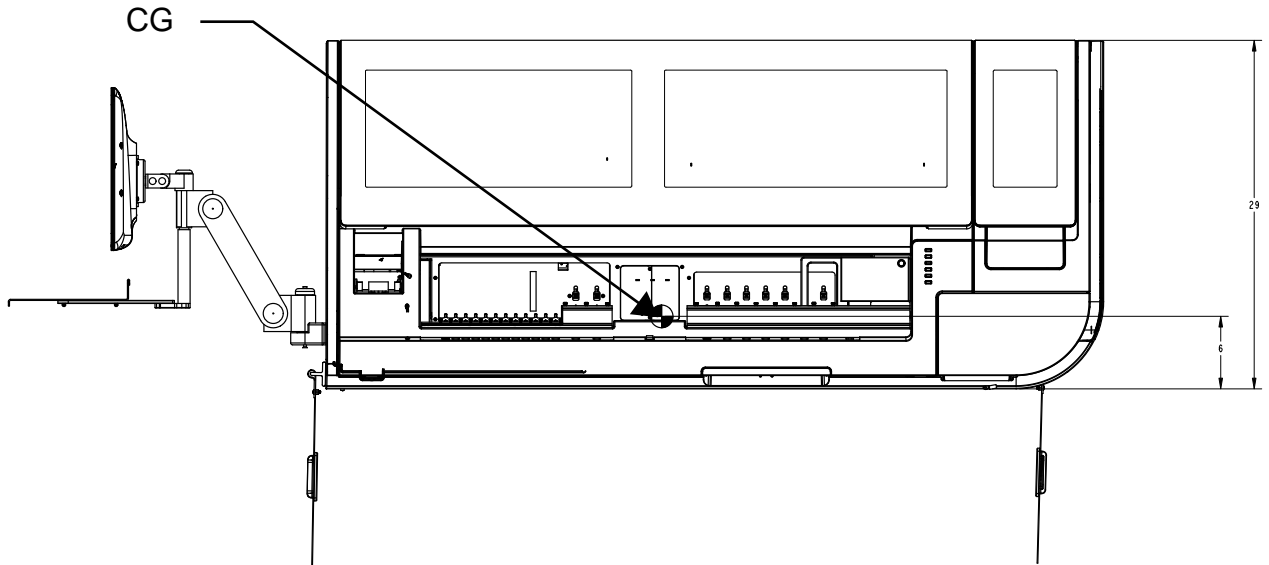
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SHEET NAME: ATTACHMENT POINT FORCES CASE "B"	PROJECT NO: 21214 SCALE: NTS		SEOR SIGN-OFF: 
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PAGE 8 OF 10			



DETAILED CAD DRAWINGS



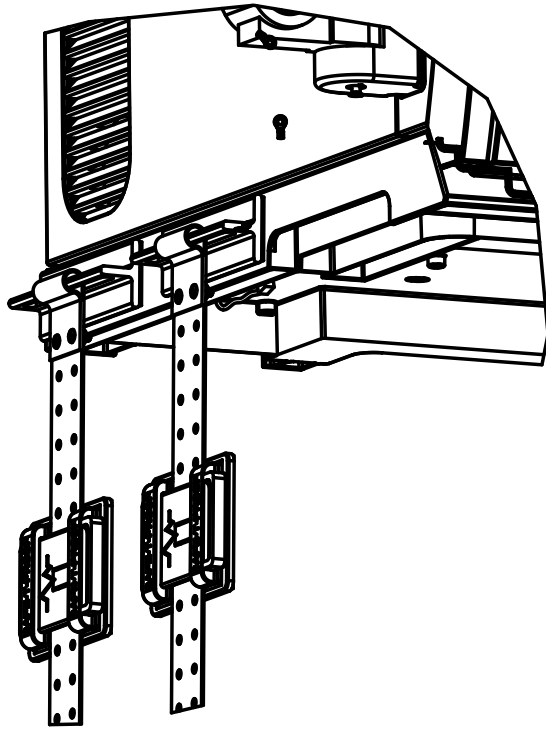
PLAN VIEW



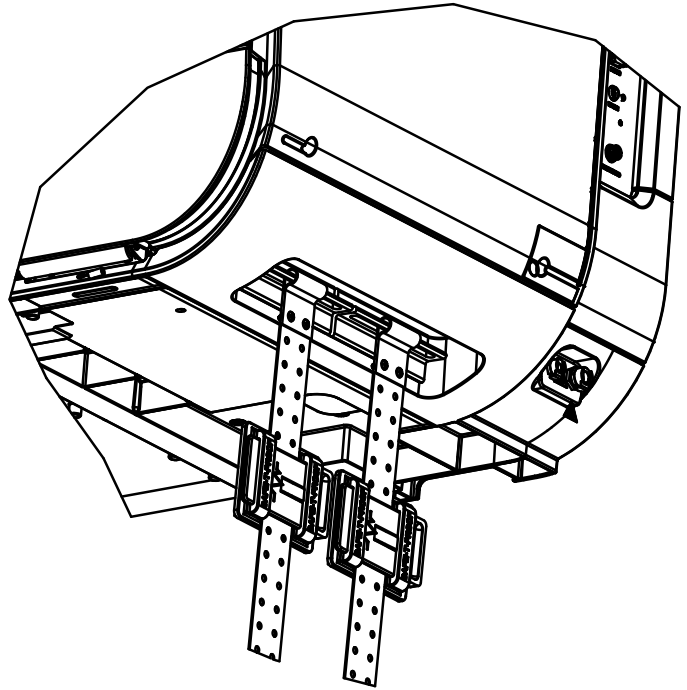
ELEVATION VIEW

	<p>PROJECT: WERFEN 770 OPM</p>		<p>PROPRIETARY AND CONFIDENTIAL DRAWING IS NOT FOR USE OR DISCLOSURE OUTSIDE SAFE-T-PROOF DISASTER PREPAREDNESS CO., INC.</p> <p>THE DRAWING AND SUBJECT MATTER DEPICTED HEREIN ARE THE SOLE AND EXCLUSIVE PROPERTY OF SAFE-T-PROOF. ALL RIGHTS WITH RESPECT TO THIS DRAWING AND THE SUBJECT MATTER DEPICTED HEREIN ARE EXPRESSLY RESERVED AND WITHHELD BY SAFE-T-PROOF.</p>
<p>SHEET NAME: DETAILED DRAWINGS - PLAN AND ELEVATION VIEW</p>	<p>SAFE-T-PROOF™ PART NUMBER: STP-OPM-0708</p>		<p>SEOR SIGN-OFF:</p> 
<p>PAGE 9 OF 10</p>	<p>PROJECT NO: 21214 SCALE: NTS</p> <p>DWN BY: NM DATE: 12/17/2024</p>		

LEFT SIDE CLOSE UP



RIGHT SIDE CLOSE UP



SAFE-T-PROOF™

SHEET NAME:
DETAIL DRAWINGS -
CLOSE UPS OF
ATTACHEMENT
POINTS

PAGE 10 OF 10

PROJECT:
WERFEN 770 OPM

**SAFE-T-PROOF™ PART NUMBER:
STP-OPM-0708**

PROJECT NO: 21214 SCALE: NTS

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SEOR SIGN-OFF:



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