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

OFFICE USE ONLY

APPLICATION #: OPM-0626

HCAI Preapproval of Manufacturer's Certification (OPM)

Type: ☐ New ☒ Renewal/Update

Manufacturer Information

Manufacturer: Abbott

Manufacturer's Technical Representative: Kevin Reed

Mailing Address: 1921 Hurd Drive, Irving, TX 75038

Telephone: (214) 984-4064 Email: Kevin.Reed@Abbott.com

Product Information

Product Name: ABBOTT AUTOMATION SOLUTIONS

Product Type: AUTOMATED PRE/POST ANALYTICAL PROCESSING LABORATORY INSTRUMENTS

Product Model Number: MODULES: IOM, Tube assessment, bulk loader, centrifuge, decapper-single, decapper-double, aliquot, recapper-single, recapper-double, remover-small, remover small large, screwcapper, buffer; track sections: Straight 20CM, Straight 40CM, Straight 80CM, Straight END, Curved 90, Curved 180, U-Turn single 40, U-Turn double, T active no loop, T inactive passive no loop, roundabout 3-Way, Roundabout 4-Way; Analyzer Interfaces: SAL ALINITY ci T-Right, SAL ARCHITEC i2000sr, SAL Architect c16000, SGI SAL, RBM SYSMEX XN/XR/CN, RBI STAGO STA-R MAX2, RBI Thermo Phadia 250, S

General Description: The Abbott Automated Solutions is a modular system designed to automate pre-analytical and post-analytical processing, sample-handling, and processing in the laboratory. The system consolidates multiple analytical instruments into a unified workstation by employing a common sample processing capability.

Applicant Information

Applicant Company Name: Abbott

Contact Person: Kevin Reed

Mailing Address: 1921 Hurd Drive, Irving, TX 75038

Telephone: (214) 984-4064 Email: Kevin.Reed@Abbott.com

Title: Manager Product Development, R&D

REVIEWED FOR CODE COMPLIANCE HCAi OPM-0626 BY WILLIAM STAEHLIN CALIFORNIA BUILDING CODE

Registered Design Professonal Preparing Engineering Recommendations

Company Name: CYS STRUCTURAL ENGINEERS, INC.

Name: Dieter Siebald California License Number: S4346

Mailing Address: 2710 Gateway Oaks Drive, Suite 190N, Sacramento, CA 95833

Telephone: (916) 920-2020 Email: dieters@cyseng.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):

REVIEWED FOR CODE COMPLIANCE
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

HCAI Approval

Date: 8/12/2026

Name: William Staehlin Title: Senior Structural Engineer

Condition of Approval (if applicable):

OPM–0626
TABLE OF CONTENTS

	PAGE
GENERAL INFORMATION	
GENERAL NOTES	101–102
DESIGN CRITERIA & ABBREVIATIONS	103
COMPONENTS	
COMPONENT SCHEDULE	201
COMPONENT CONFIGURATIONS	202–204
FLOOR SUPPORTED MODULES: COMPONENTS 1–14	210.01–210.14
FLOOR SUPPORTED TRACKS: COMPONENTS 15–26	210.15–210.26
ANALYZER INTERFACES: COMPONENTS 27–34	210.27–210.36
COMPONENT DETAILS	220–221
SEISMIC BRACKET DETAILS	
SEISMIC BRACKET 1	301
SEISMIC BRACKET 2	302
SEISMIC BRACKET 3	303
SEISMIC BRACKET 4	304
HAT BRACKET	310
TRACK TO COMPONENT CONNECTIONS	320–322
ANCHORAGES	
CASE 1 – TYPICAL STRUT DETAILS	401–402
SEISMIC BRACKETS 1–3	403
FLOOR SUPPORTED TRACKS: COMPONENTS 15–26	404

NOTES:

THESE DRAWINGS ARE PREPARED FOR ABBOTT LABORATORIES, AN ILLINOIS CORPORATION, ABBOTT PARK, ILLINOIS.

1. THE CONTRACTOR SHALL OBTAIN A COPY OF THIS PRE–APPROVAL FROM THE OSHPD WEBSITE AND PROVIDE ONE COPY FOR THE INSPECTOR OF RECORD.

2. THIS PRE–APPROVAL COVERS THE SUPPORTS AND ATTACHMENTS OF THE LABORATORY EQUIPMENT TO THE STRUCTURE.

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: GENERAL NOTES

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	101

ABBOTT

ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:05pm Login:camachom Dimscale:1 LTScale:6

GENERAL NOTES:

1. THIS OSHPD PRE–APPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE CBC 2025 "A" CHAPTERS.
   THE DEMAND (DESIGN FORCES) FOR USE W/ THIS OPM SHALL BE BASED ON THE CBC 2025 "A" CHAPTERS.
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 & WT SPECIFIED FOR EACH EQUIP IN ADDITION TO ALL OTHER LOADS. PROVIDE & DESIGN SUPPLEMENTARY MEMBERS AS REQ.
   B. THAT THE FLR ANCHORS ARE LOCATED AT AN ADEQUATE DISTANCE FROM ANY SLAB EDGES OR OPENINGS.
   C. THAT THE FLR ANCHORS ARE LOCATED AT AN ADEQUATE DISTANCE FROM ANY NEW OR (E) ANCHORS. THE SPACING SHOWN IN THE TEST LOADS IN TABLE 1 ON THIS PG IS THE REQ MIN SPACING OF THE GIVEN DIA ANCHORS. THE REQ SPACING FROM ANCHORS OF OTHER DIA & EMBEDMENTS MAY VARY & SHALL BE EVALUATED BY THE SEOR.
   D. THAT THE INSTALLATION IS IN CONFORMANCE W/ THE CBC 2025 "A" CHAPTERS & W/ THE DTLS SHOWN IN THIS PRE–APPROVAL.
   E. THAT THE ACTUAL EQUIP'S WT, CENTER OF GRAVITY (CG) LOCATION, ANCHOR LOCATIONS, ANCHOR DTLS, & THE MATERIAL & GA OF THE EQUIP WHERE ATTACHMENTS ARE MADE, AGREE W/ THE INFORMATION SHOWN ON THE PRE–APPROVAL DOCUMENTS.
   F. THAT THE CONC SLAB TO WHICH THE EQUIP IS ANCHORED SHALL MEET THE REQUIREMENTS OF THE APPLICABLE ICC REPORT & THIS OPM.
3. EXPANSION ANCHORS INSTALLED IN NWC OR SLWC SHALL BE CARBON STL HILTI KB–TZ2 EXPANSION ANCHORS COMPLYING W/ ESR–4266 MOST RECENT EDITION.
   A. INSTALLATION: INSTALL THE EXPANSION ANCHORS IN ACCORDANCE W/ THE REQUIREMENTS GIVEN IN THE ICC EVALUATION REPORT FOR THE SPECIFIC ANCHOR & THE PARAMETERS GIVEN IN THE TABLE ON THIS PG. PROVIDE FULL THRD ENGAGEMENT FOR NUT & WASHER.
   B. JOB TESTING: FOR VERIFYING SATISFACTORY INSTALLATION WORKMANSHIP, PERFORM JOB SITE TESTING IN ACCORDANCE W/ THE TEST LOAD TABLE PROVIDED IN THIS DOCUMENT. TORQUE 50% OF THE INSTALLED ANCHORS. ALL TESTS SHALL BE CONDUCTED IN THE PRESENCE OF THE SPECIAL INSPECTOR & REPORT OF TEST RESULTS SHALL BE SUBMITTED TO THE INSPECTOR OF RECORD, OWNER & ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE. IF ANY ANCHOR FAILS THE TEST, TEST ALL ANCHORS. THE TEST SHALL BE PERFORMED 24 HOURS OR MORE AFTER INSTALLATION. TESTING MAY BE DONE PRIOR TO EQUIP INSTALLATION, HOWEVER, THE NUT SHALL BE RETORQUED TO INSTALLATION TORQUE AFTER EQUIP INSTALL. ALSO, REFER TO 2025 CBC 1910A.5 "TESTS FOR POST–INSTALLED ANCHORS IN CONCRETE".
   C. FAILURE/ACCEPTANCE CRITERIA: THE FOLLOWING CRITERIA APPLIES FOR THE ACCEPTANCE OF INSTALLED ANCHORS:
      - TORQUE WRENCH METHOD: THE APPLICABLE TEST TORQUE MUST BE REACHED W/IN THE FOLLOWING LIMITS: WEDGE TYPE:
        ONE–HALF (½) TURN OF THE NUT.
   D. AVOID DAMAGING (E) STL REINF IN CONC SLAB WHEN INSTALLING CONC EXPANSION ANCHORS.
   E. TEST VALUES: APPLY TEST LOADS TO ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE, SEE TABLE BELOW.

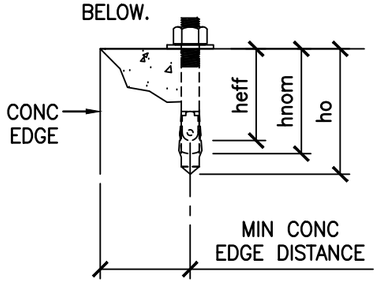


TABLE 1

CONDITION OF ANCHORAGE	ANCHOR DIA (INCH) da	INSTALLATION EMBED (INCH) hnom	EFFECTIVE EMBED (INCH) hef	HOLE DEPTH (INCH) ho	MIN CONC THICKNESS (INCH) h_{min}	MIN CONC EDGE DISTANCE (INCH)	MIN AB SPACING (INCH)	TEST LOAD TORQUE (FT–LBS)
CASE 2	½	2½	2	2¾	4	12	5½	50
CASE 3	½	2½	2	3¼	4	12	5½	50

GENERAL NOTES CONTINUED:

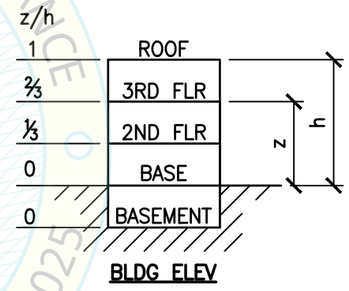
4. BOLTS THROUGH CONC ON MTL DECK:
   A. BOLTS SHALL BE TORQUED BY ¾ TURN OF THE NUT AFTER SNUG TIGHT CONDITION IS ACHIEVED, UNO. THE SNUG TIGHT CONDITION IS DEFINED AS THE TIGHTNESS REQ TO BRING THE CONNECTED PLIES INTO FIRM CONTACT.
   B. THRU–BOLT HOLES SHALL BE 1/16" LARGER THAN BOLT SIZE (HOLE SIZE = BOLT SIZE + 1/16")
   C. THRU–BOLTS IN CONC SHALL RECEIVE SPECIAL INSPECTION & TESTING IN ACCORDANCE W/ REQUIREMENTS FOR POST–INSTALLED ANCHORS. THRU–BOLTS W/ STL TO STL CONNECTION IN TENSION DO NOT REQUIRE TESTING.
5. EXPANSION ANCHORS TO BOTT OF CONC FILL OVER MTL DECK:
   A. HILTI KB–TZ2 (ICC ESR–4266) TENSION TEST LOAD FOR CASE 1.

TABLE 2

CONDITION OF ANCHORAGE	ANCHOR DIA (INCH) da	INSTALLATION EMBED (INCH) hnom	EFFECTIVE EMBED (INCH) hef	HOLE DEPTH (INCH) ho	MIN CONC THICKNESS (INCH) h_{min}	MIN CONC EDGE DISTANCE (INCH)	MIN AB SPACING (INCH)	MAX INSTALLATION TORQUE (FT–LBS)
CASE 1	¼	1¾	1½	2	3¼	1*	10*	4

* SEE PG 401 IN THIS OPM & FIGURE 5B IN ESR–4266

6. THREE (3) CASES OF ATTACHMENT ARE SPECIFIED & PRESENTED IN THIS PRE–APPROVAL:



BLDG ELEV

CASE 1: ATTACHMENT DETAILS LOCATED AT UPPER FLRS ABV THE BASE OF A BLDG (z/h≤ PER COMPONENT SCHED ON PG 201). THE FLRS ARE ASSUMED TO BE BUILT OF A MIN 3¼" SLWC TOPPING OVER 3" DEEP MIN 20 GA MTL DECK (f'c = 3000 PSI, MIN). ANCHORS SHALL BE A325 STL THRD ROD THRU CONC FILL & MTL DECK.

CASE 2: ATTACHMENT DETAILS LOCATED AT OR BLW THE BASE OF A BLDG (z/h=0.18 MAX). THE FLRS ARE ASSUMED TO BE BUILT OF A MIN 4" NWC SLAB (f'c = 3000 PSI, MIN). ANCHORS SHALL BE CARBON STEEL EXPANSION ANCHORS.

CASE 3: ATTACHMENT DETAILS LOCATED AT UPPER FLRS ABV THE BASE OF A BLDG (z/h≤ PER COMPONENT SCHED ON PG 201). THE FLRS ARE ASSUMED TO BE BUILT OF A MIN 3¼" SLWC TOPPING OVER 3" DEEP MIN 20 GA MTL DECK (f'c = 3000 PSI, MIN). ANCHORS SHALL BE CARBON STEEL EXPANSION ANCHORS.

7. THIS PRE–APPROVAL MAY BE USED AT ANY GEOGRAPHICAL LOCATION IN THE STATE OF CALIFORNIA WHERE S_{DS} IS LESS THAN OR EQUAL TO VALUES PUBLISHED IN COMPONENT SCHED ON PG 201.

ICC-ES REVIEWED FOR CODE COMPLIANCE
OPM-0626
Reviewed by William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: GENERAL NOTES

ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

Job No: 26018
Date: 07/09/2026
By: MTC
Page: 102

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:05pm Login:camachom Dimscale:1 LTScale:6

DESIGN CRITERIA

SUPPORT & ATTACHMENT DESIGN IS PER 2025 CBC AND ASCE 7-22 AT LRFD LEVEL FORCES.

OTHER MECHANICAL OR ELECTRICAL COMPONENTS PER TABLE 13.6-1 OF ASCE 7-22:

$C_{PM} = F_p/W_p = 0.4\ S_{DS}\ I_p \left[\frac{H_f}{R\mu}\right]\left[\frac{C_{AR}}{R_{po}}\right]$ ASCE 7-22 (13.3-1)

$C_{PM} = F_p/W_p$ (MAX) $= 1.6\ S_{DS}\ I_p$ ASCE 7-22 (13.3-2)
$C_{PM} = F_p/W_p$ (MIN) $= 0.3\ S_{DS}\ I_p$ ASCE 7-22 (13.3-3)
$C_{VM} = F_v/W_p = \pm 0.2\ S_{DS}$ ASCE 7-22 (12.4-4a)
$Hf_{MIN} = 1.0$ AT OR BELOW GRADE PLANE
$Hf_{MAX} = 1+2.5\ (z/h) = 3.375$ ABOVE GRADE $z/h = 0.95$
$R\mu_{MIN} = 1.0$ AT OR BELOW GRADE PLANE
$R\mu_{MAX} = 1.3$ ABOVE GRADE FOR UNSPECIFIED BUILDING SFRS
$[Hf/R\mu]_{MAX} = 2.60$ ABOVE GRADE $z/h = 0.95$
$[Hf/R\mu]_{MIN} = 1.00$ AT OR BELOW GRADE PLANE

SUPPORT & ATTACHMENT DESIGN IS PER 2025 CBC AT LRFD LEVEL FORCES PER TABLE 13.6-1 OF ASCE 7-22. "OTHER MECHANICAL OR ELECTRICAL COMPONENTS"

$C_{AR} = 1.0$
$R_{po} = 1.5$
$I_p = 1.5$
$\Omega_o = 2.0$
W_p = AS NOTED ON "COMPONENT PLANS & ELEVATIONS" PAGES

W_P AS NOTED ON COMPONENT SCHEDULE ON PG 201

FOR CASE 1 – UPPER FLRS ABV THE BASE, $z/h \leq 0.90$
S_{DS} = PER COMPONENT SCHEDULE OF PG 201

FOR CASE 2 – SLAB AT OR BLW BASE, $z/h = 0.18$
S_{DS} = PER COMPONENT SCHEDULE OF PG 201

FOR CASE 3 – SLAB AT OR BLW BASE, $z/h = 0.90$
S_{DS} = PER COMPONENT SCHEDULE OF PG 201

LOAD COMBINATIONS
$(0.9 - 0.2\ S_{DS})\ D - \Omega_o\ F_p$ (FOR MAX TENSION)
$(1.2 + 0.2\ S_{DS})\ D + \Omega_o\ F_p$ (FOR MAX COMPRESSION)

ABBREVIATIONS:

@	AT
ABV	ABOVE
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS
BLDG	BUILDING
BLW	BELOW
BYD	BEYOND
CBC	CALIFORNIA BUILDING CODE
CG	CENTER OF GRAVITY
℄	CENTERLINE
CONC	CONCRETE
CONN	CONNECTION
COORD	COORDINATE
DBL	DOUBLE
DIA (ø)	DIAMETER
(E)	EXISTING CONDITION
EA	EACH
ELEV	ELEVATION
ES	EACH SIDE
EQUIP	EQUIPMENT
f'c	MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE
FLR	FLOOR
FT (')	FOOT/FEET
Fy	SPECIFIED MINIMUM YIELD STRESS OF STEEL
GA	GAUGE
IN (")	INCH
KSI	KIPS PER SQUARE INCH
LBS	POUNDS
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LRFD	LOAD AND RESISTANCE FACTOR DESIGN
MAX	MAXIMUM
MFR	MANUFACTURER
MIN	MINIMUM
MTL	METAL
NO. (#)	NUMBER OR POUNDS
NWC	NORMAL WEIGHT CONCRETE
OSHPD	OFFICE OF STATEWIDE HEALTH PLANNING & DEVELOPMENT
PSI	POUNDS PER SQUARE INCH
SEOR	STRUCTURAL ENGINEER OF RECORD
SLWC	SAND-LIGHTWEIGHT CONCRETE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
Tu	ANCHORAGE TENSION REACTION DUE TO SEISMIC FORCE AT LRFD
THRD	THREAD OR THREADED
TYP	TYPICAL
Vu	ANCHORAGE SHEAR REACTION DUE TO SEISMIC FORCE AT LRFD
W/	WITH
Wp	OPERATING WEIGHT
WT	WEIGHT

FRACTION & UNIT CONVERSIONS

FRACTION	DECIMAL	mm
1/32	0.03	0.8
1/16	0.06	1.6
3/32	0.09	2.4
1/8	0.13	3.2
5/32	0.16	4.0
3/16	0.19	4.8
7/32	0.22	5.6
1/4	0.25	6.4
9/32	0.28	7.1
5/16	0.31	7.9
11/32	0.34	8.7
3/8	0.38	9.5
13/32	0.41	10.3
7/16	0.44	11.1
15/32	0.47	11.9
1/2	0.50	12.7

FRACTION	DECIMAL	mm
17/32	0.53	13.5
9/16	0.56	14.3
19/32	0.59	15.1
5/8	0.63	15.9
21/32	0.66	16.7
11/16	0.69	17.5
23/32	0.72	18.3
3/4	0.75	19.1
25/32	0.78	19.8
13/16	0.81	20.6
27/32	0.84	21.4
7/8	0.88	22.2
29/32	0.91	23.0
15/16	0.94	23.8
31/32	0.97	24.6

ADDED TABLE FOR INFORMATION ONLY

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE 2025

SHEET TITLE: DESIGN CRITERIA & ABBREVIATIONS

ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

Job No: 26018
Date: 07/09/2026
By: MTC
Page: 103

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:05pm Login:camachom Dimscale:1 LTScale:6

	PAGE NO.	COMPONENT	ABBREV	LEVELING FOOT DIMS		CG LOCATION W/O TRACK(1)			WEIGHT (W_p)	CG LOCATION W/ TRACK			WEIGHT (W_p)	MODULE TYPE (FOOT FRAME)					ANCHOR P/ BRACKET	SEISMIC DESIGN VALUES		
				WIDTH	DEPTH	$\bar{x}_1$	$\bar{y}_1$	$\bar{z}_1$		$\bar{x}_2$	$\bar{y}_2$	$\bar{z}_2$		CENTRIFUGE	40 BASIC	80 BASIC	ATTACHMENT/ SUBMODULE	MODULE/TRACK HYBRID		S_{DS} (CASE 1)	S_{DS} (CASE 2)	S_{DS} (CASE 3)
FLOOR SUPPORTED MODULES	210.01	IOM MODULE	IOM	25.20"	22.83"	12.89"	13.74"	36.63"	587#	12.89"	15.84"	36.63"	670#			X			PG 301	1.51	1.35	0.403
	210.02	TUBE ASSESSMENT CENTRE	TAC	N/A	N/A	N/A	N/A	N/A	131#	N/A	N/A	N/A	131#				X		PG 210.02	1.51	1.35	0.403
	210.03	TUBE ASSESSMENT MODULE	TAM	25.20"	22.83"	13.20"	13.74"	36.91"	587#	13.20"	15.84"	36.91"	670#			X			PG 301	1.51	1.35	0.403
	210.04	BULK LOADER MODULE	BLM	25.20"	22.83"	12.27"	14.72"	35.99"	671#	12.27"	16.47"	35.99"	754#			X			PG 301	1.51	1.35	0.403
	210.05	CENTRIFUGE MODULE	CM	24.88"	22.64"	12.51"	13.44"	33.88"	1028#	12.51"	14.71"	33.88"	1111#	X					PG 304	1.51	1.35	0.403
	210.06	DECAPPER MODULE – SINGLE	DM	9.45"	22.83"	4.63"	13.46"	36.33"	462#	4.63"	15.46"	36.33"	523#		X				PG 301	1.51	1.35	0.403
	210.07	DECAPPER MODULE – DOUBLE	DM DBL	9.45"	22.83"	5.00"	13.36"	36.83"	477#	5.00"	15.32"	36.83"	538#		X				PG 301	1.51	1.35	0.403
	210.08	ALIQUOT MODULE	AM	25.20"	22.83"	12.72"	12.97"	34.63"	684#	12.72"	14.88"	34.63"	767#			X			PG 301	1.51	1.35	0.403
	210.09	RECAPPER MODULE – SINGLE	RM	9.45"	22.83"	4.53"	13.57"	33.28"	585#	4.53"	15.18"	33.28"	646#		X				PG 301	1.51	1.35	0.403
	210.10	RECAPPER MODULE – DOUBLE	RM DBL	9.45"	22.83"	4.75"	13.59"	32.83"	587#	4.75"	15.19"	32.83"	648#		X				PG 301	1.51	1.35	0.403
	210.11	REMOVER MODULE – SMALL	REM S	9.45"	22.83"	4.59"	13.87"	35.97"	460#	4.59"	15.84"	35.97"	520#		X				PG 301	1.51	1.35	0.403
	210.12	REMOVER MODULE – SMALL LARGE	REM SL	9.45"	22.83"	4.67"	14.04"	36.07"	486#	4.67"	15.89"	36.07"	547#		X				PG 301	1.51	1.35	0.403
	210.13	SCREWCAPPER MODULE	SCCM	9.45"	22.83"	4.55"	13.37"	33.82"	587#	4.55"	15.00"	33.82"	648#		X				PG 301	1.51	1.35	0.403
	210.14	BUFFER MODULE	BM	25.20"	22.83"	12.89"	14.36"	37.94"	515#	12.89"	16.63"	37.94"	597#			X			PG 301	1.51	1.35	0.403
FLOOR SUPPORTED TRACKS	210.15	STRAIGHT SECTION – 20cm		7.95"	6.69"	3.98"	3.35"	19.33"	26#	N/A	N/A	N/A	N/A						PGS 220 & 310	2.24	1.87	0.560
	210.16	STRAIGHT SECTION – 40cm		15.91"	6.69"	7.95"	3.35"	20.33"	50#	N/A	N/A	N/A	N/A							2.24	1.87	0.560
	210.17	STRAIGHT SECTION – 80cm		31.81"	6.69"	15.91"	3.35"	20.86"	83#	N/A	N/A	N/A	N/A							2.24	1.87	0.560
	210.18	STRAIGHT SECTION – TRACK END		SEE PG 210.18		4.57"	3.35"	19.51"	35#	N/A	N/A	N/A	N/A							2.24	1.87	0.560
	210.19	CURVED 90 SECTION		SEE PG 210.19		12.03"	12.03"	20.33"	81#	N/A	N/A	N/A	N/A							2.24	1.87	0.560
	210.20	CURVED 180 SECTION		SEE PG 210.20		4.92"	11.73"	20.12"	97#	N/A	N/A	N/A	N/A							2.24	1.87	0.560
	210.21	U–TURN SINGLE 40		15.91"	6.69"	7.95"	3.35"	20.36"	70#	N/A	N/A	N/A	N/A							2.24	1.87	0.560
	210.22	U–TURN DOUBLE		31.81"	6.69"	15.91"	3.35"	20.37"	99#	N/A	N/A	N/A	N/A							2.24	1.87	0.560
	210.23	T–SECTION ACTIVE (NO LOOP)		SEE PG 210.23		15.91"	12.54"	20.91"	88#	N/A	N/A	N/A	N/A							2.24	1.87	0.560
	210.24	T–SECTION INACTIVE (PASSIVE, NO LOOP)		SEE PG 210.24		15.91"	12.39"	21.63"	90#	N/A	N/A	N/A	N/A							2.24	1.87	0.560
	210.25	ROUNDABOUT – 3–WAY		SEE PG 210.25		23.86"	20.87"	24.39"	176#	N/A	N/A	N/A	N/A							2.24	1.87	0.560
	210.26	ROUNDABOUT – 4–WAY		SEE PG 210.26		23.91"	23.83"	24.85"	209#	N/A	N/A	N/A	N/A							2.24	1.87	0.560
ANALYZER INTERFACES	210.27	SAL ALINITY ci T–RIGHT	Alci	SEE PG 210.27		16.00"	7.25"	20.77"	152#	16.00"	7.25"	20.77"	174#	DESIGN BASED ON TRACK DESIGN					PGS 220 & 310	2.24	1.87	0.560
	210.28	SGI SAL		N/A	N/A	5.30"	7.48"	23.81"	44#	N/A	N/A	N/A	N/A						PGS 210.28A & 210.28B	2.24	1.87	0.560
	210.29	SAL ARCHITECT i2000SR	i2SR	N/A	N/A	29.25"	4.24"	29.84"	81#	N/A	N/A	N/A	N/A				X		PG 210.29	1.68	1.50	0.448
	210.30	SAL ARCHITECT c16000	c16	N/A	N/A	36.49"	4.19"	30.07"	88#	N/A	N/A	N/A	N/A				X		PG 210.30	1.68	1.50	0.448
	210.31	RBM SYSMEX XN/XR/CN		25.20"	22.83"	12.59"	13.91"	36.17"	587#	12.59"	13.91"	15.98"	670#			X			PG 301	1.51	1.35	0.403
	210.32	RBI STAGO STA–R MAX2	STR	SEE PG 210.32		15.96"	9.64"	40.01"	341#	N/A	N/A	N/A	N/A					X	PGS 220, 302 & 310	1.68	1.50	0.448
	210.33	RBI THERMO PHADIA 250	P250	SEE PG 210.33		15.59"	12.79"	39.53"	394#	N/A	N/A	N/A	N/A					X	PGS 220, 303 & 310	1.68	1.50	0.448
	210.34	NOT USED																				
	210.35	SGI T		15.91"	6.69"	3.06"	3.35"	20.33"	50#	N/A	N/A	N/A	N/A	DESIGN BASED ON TRACK DESIGN					PGS 220 & 310	2.24	1.87	0.560
	210.36	RBM COBAS PRO		25.20"	22.83"	12.59"	13.91"	36.17"	587#	12.59"	13.91"	15.98"	670#			X			PG 301	1.51	1.35	0.403

TABLE NOTES:
1. SYMBOLS ALSO USED FOR COMPONENTS 210.15–210.26, 210.29, 210.30, 210.32, 210.33.
2. z/h = 0.90 MAX FOR CASE 1.
3. z/H = 0.18 MAX FOR CASE 2.
4. z/h = 0.90 MAX FOR CASE 3.

REVIEWED FOR CODE COMPLIANCE
OPM-0626
REVIEWED BY: William Staehlin
REVIEW DATE: 08/12/2026
BASED ON 2025 BUILDING CODE

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: COMPONENT SCHEDULE

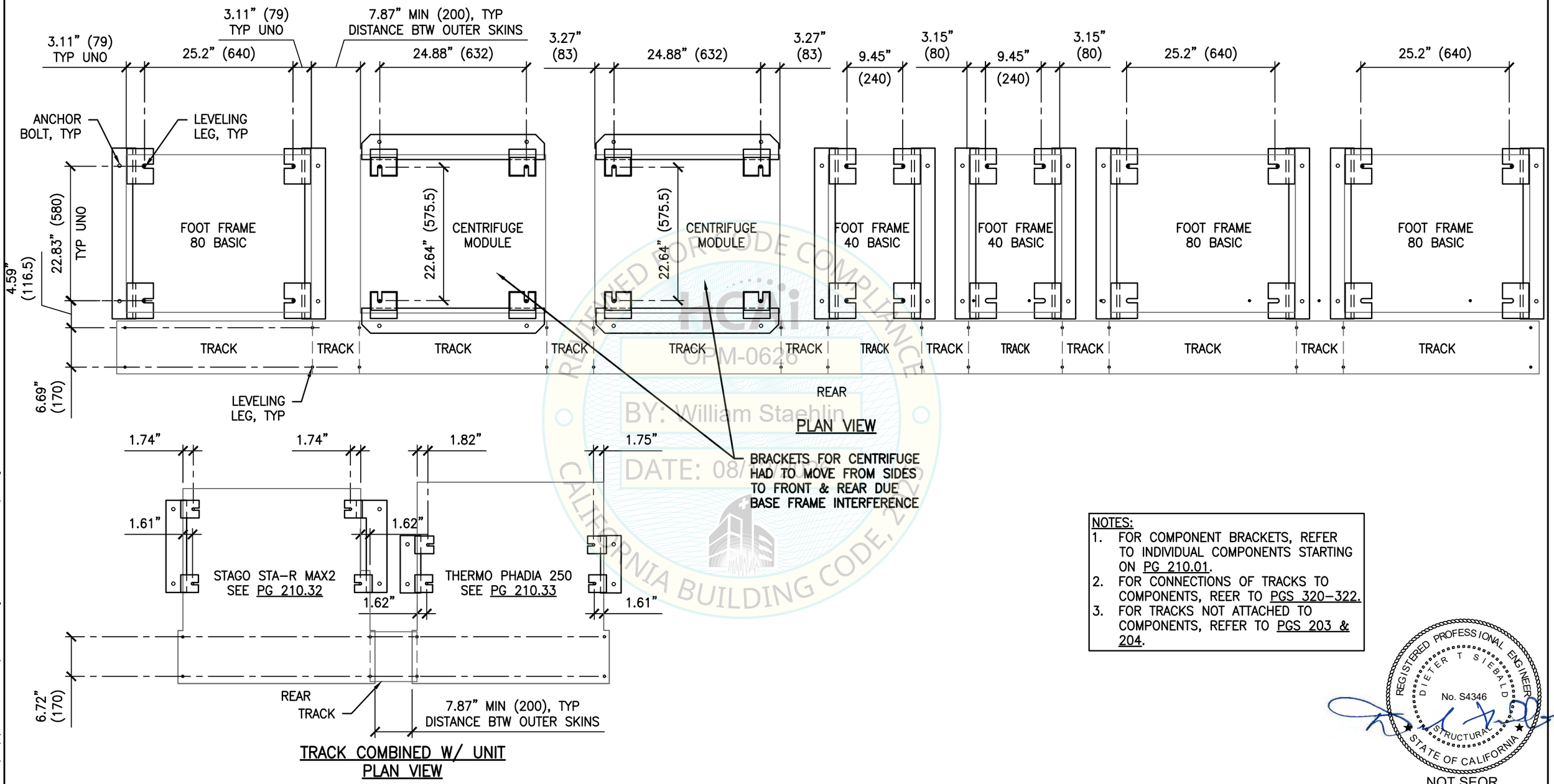
Rev	Description	Date

Job No: 26018
Date: 07/09/2026
By: MTC
Page: 201

ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:05pm Login:camachom Dimscale:1 LTScale:6



NOTES:
1. FOR COMPONENT BRACKETS, REFER TO INDIVIDUAL COMPONENTS STARTING ON PG 210.01.
2. FOR CONNECTIONS OF TRACKS TO COMPONENTS, REER TO PGS 320-322.
3. FOR TRACKS NOT ATTACHED TO COMPONENTS, REFER TO PGS 203 & 204.

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/
CALIFORNIA BUILDING CODE, 20

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: COMPONENT CONFIGURATIONS

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	202

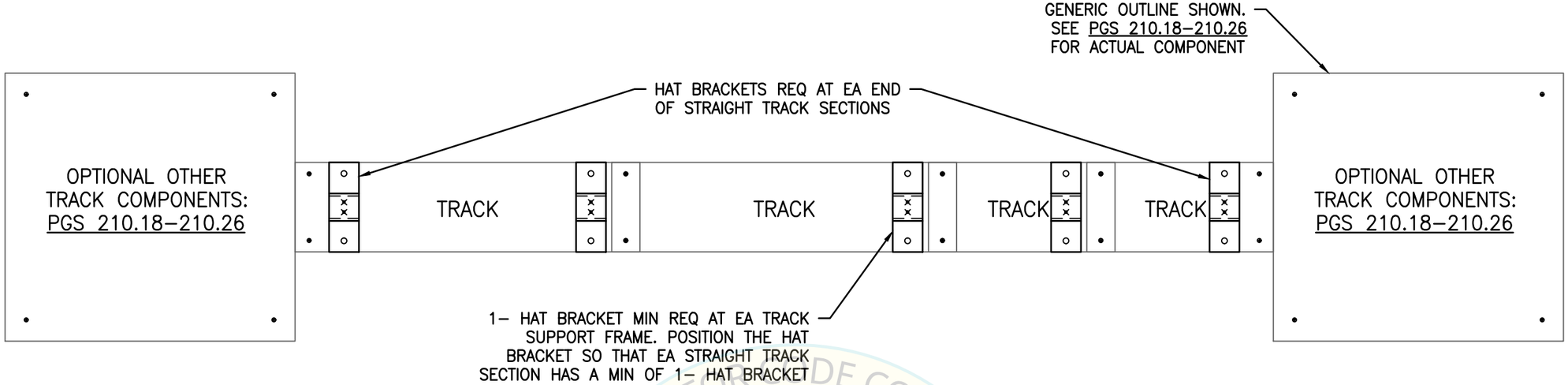
ABBOTT

ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

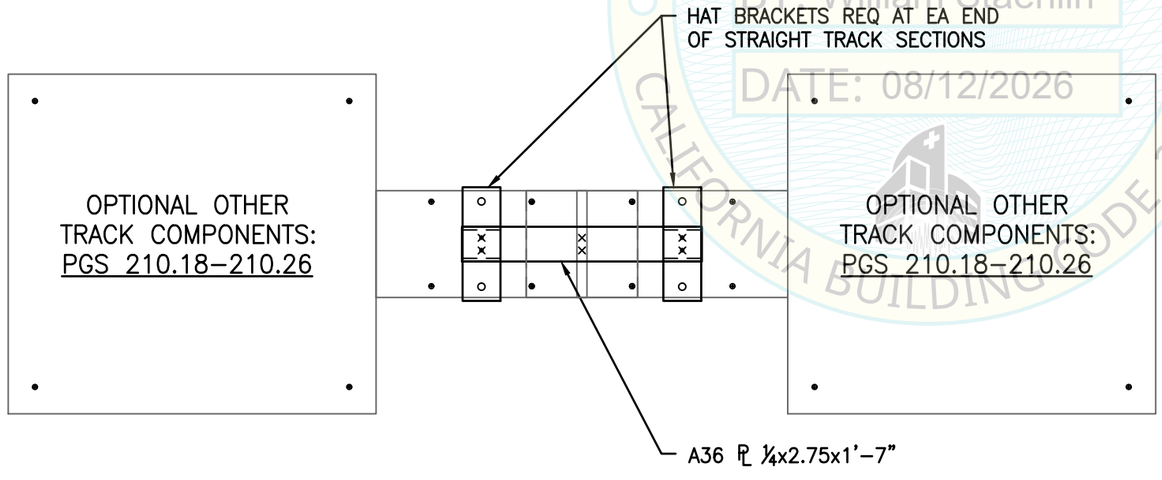
CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:05pm Login:camachom Dimscale:1 LTScale:6

80cm AND/OR 40cm STRAIGHT TRACK SECTIONS ONLY



20cm STRAIGHT TRACK SECTIONS ONLY



REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

NOTE:
FOR INFO NOT SHOWN OR NOTED, REFER TO BASE PLAN & ELEVS ON PGS 210.15, 210.16 & 210.17

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: TRACK CONFIGURATIONS

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	203

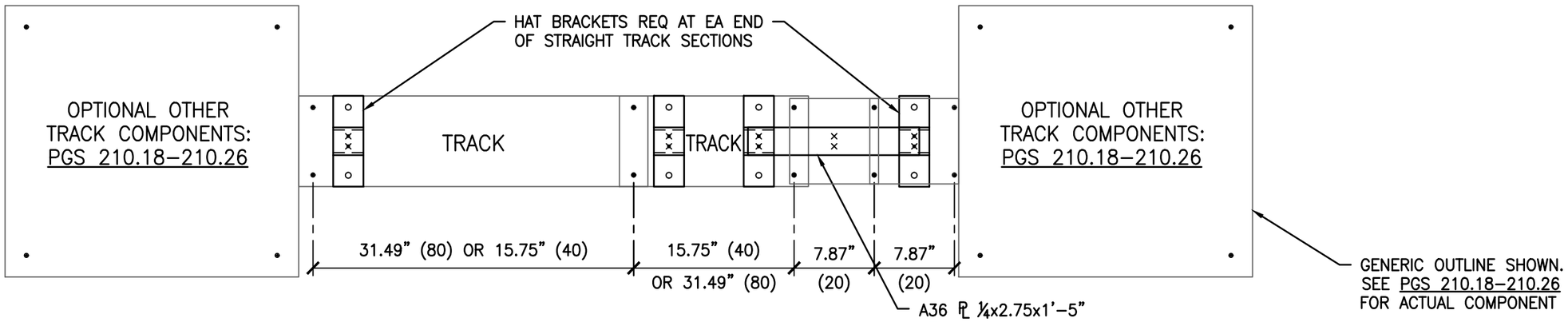
ABBOTT

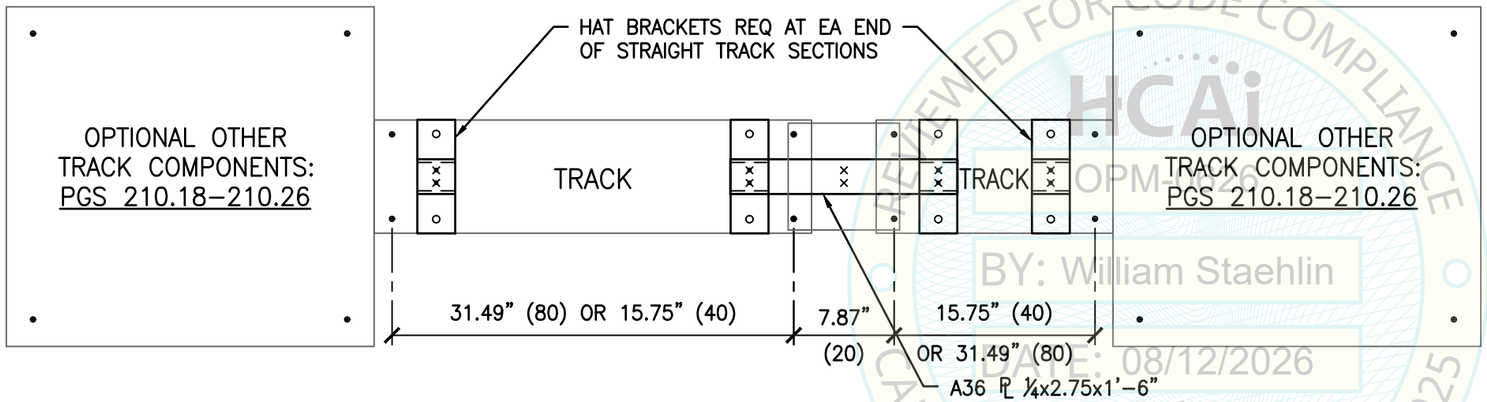
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

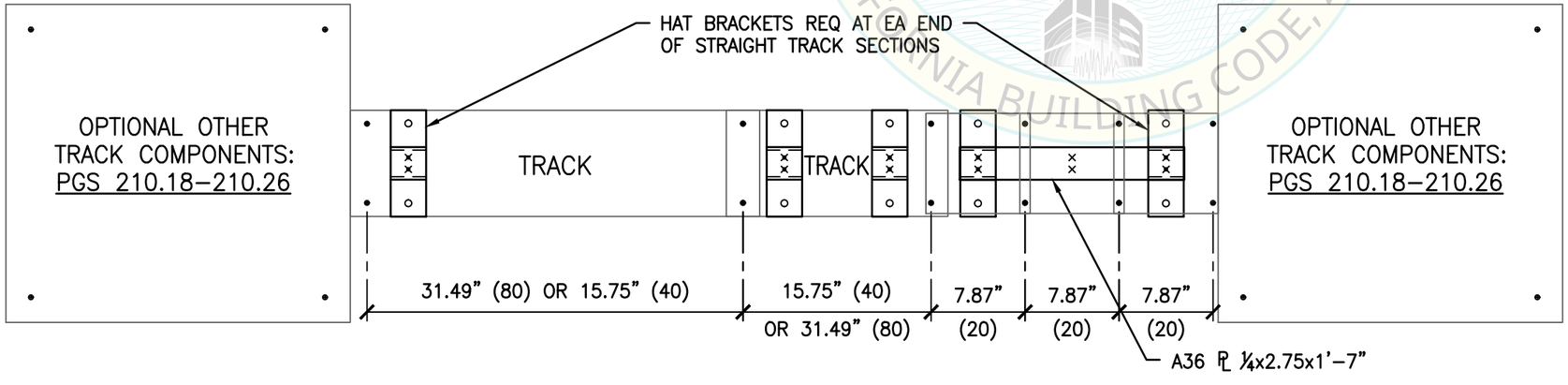
CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:05pm Login:camachom Dimscale:1 LTScale:6

COMBINATION OF 80cm AND/OR 40cm STRAIGHT TRACK SECTIONS W/ 20cm STRAIGHT TRACK SECTIONS







NOTE:
FOR INFO NOT SHOWN OR NOTED, REFER TO BASE PLAN & ELEVS ON PGS 210.15, 210.16 & 210.17

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: TRACK CONFIGURATIONS

Rev	Description	Date

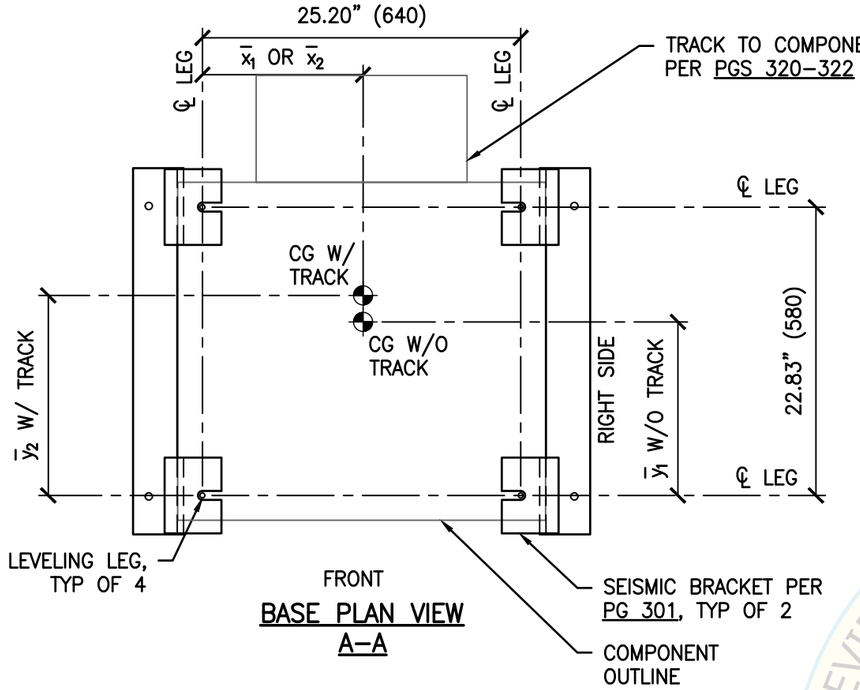
Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	204

ABBOTT

ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:05pm Login:camachom Dimscale:1 LTScale:6

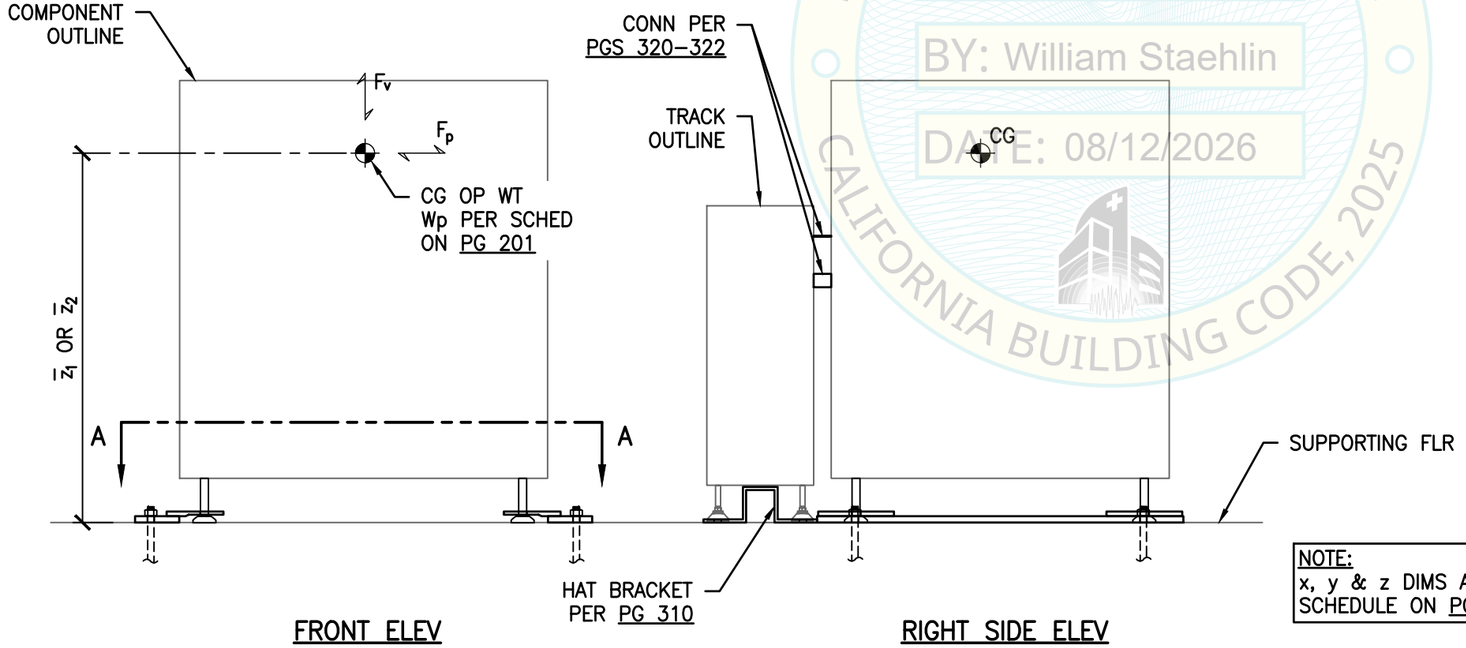


BASE PLAN VIEW
A–A



	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	1409#	1830#	411#
CASE 2 [1]	828#	1250#	247#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.



FRONT ELEV

RIGHT SIDE ELEV

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: FLOOR SUPPORTED MODULE: IOM MODULE (IOM)
BASE PLAN & ELEVATIONS

ABBOTT

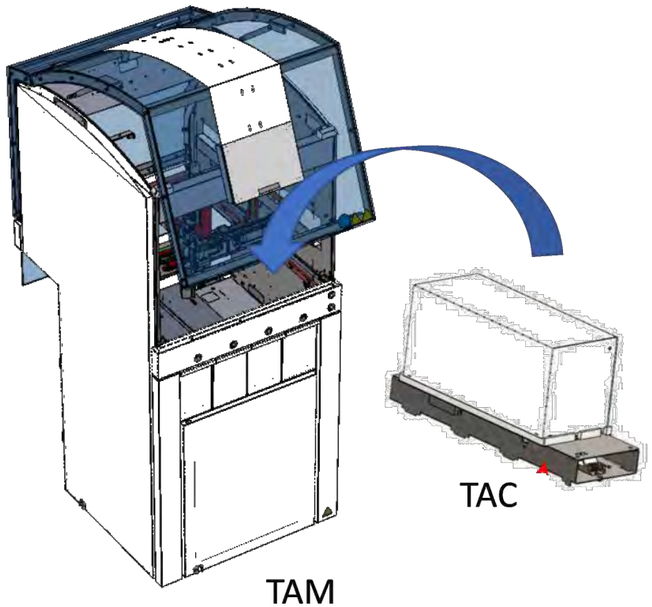
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

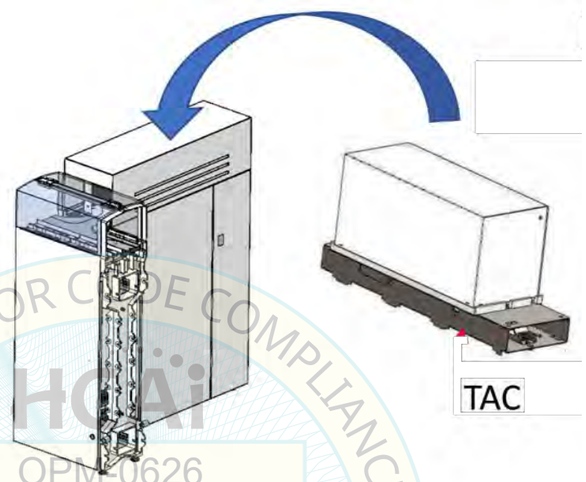
CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.01

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:05pm Login:camachom Dimscale:1 LTScale:6





SECTION "TAC ON TRACK"

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: FLOOR SUPPORTED MODULE: TUBE ASSESSMENT CENTRE (TAC)

Rev	Description	Date

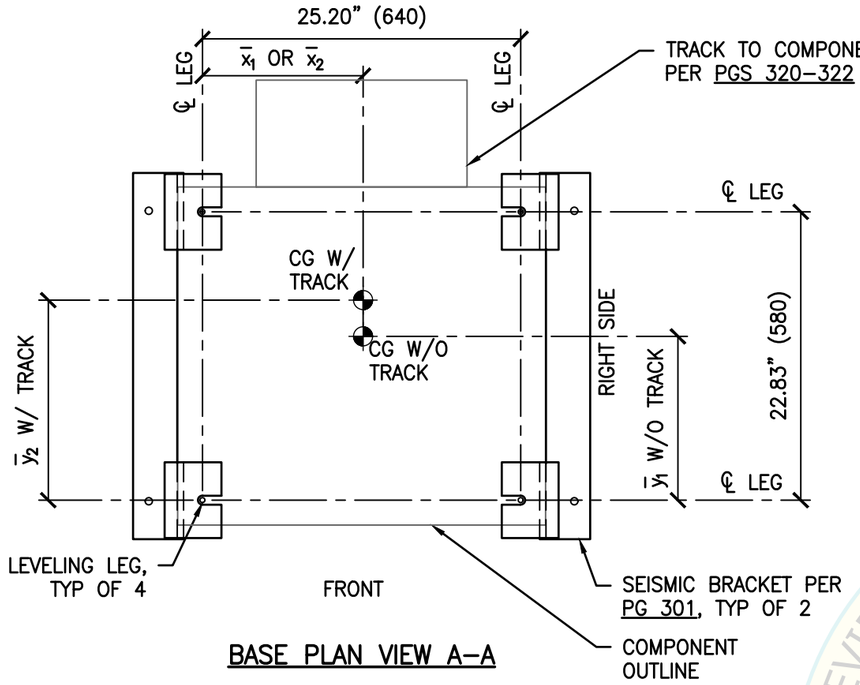
Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.02

ABBOTT

ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026--12:05pm Login:camachom Dimscale:1 LTScale:6

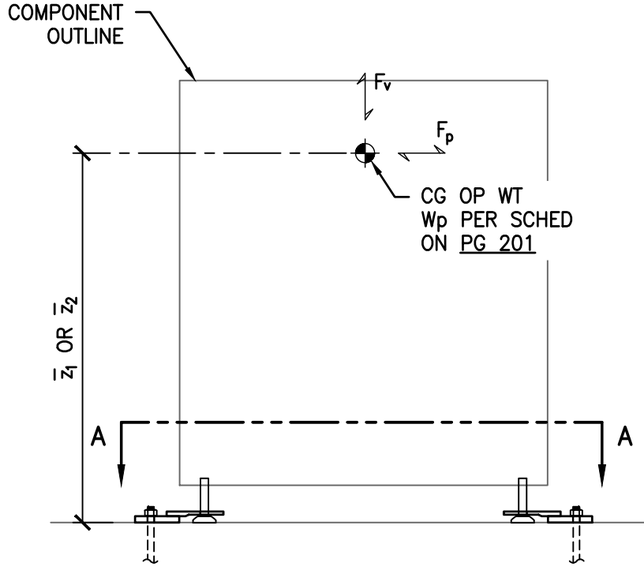


BASE PLAN VIEW A–A

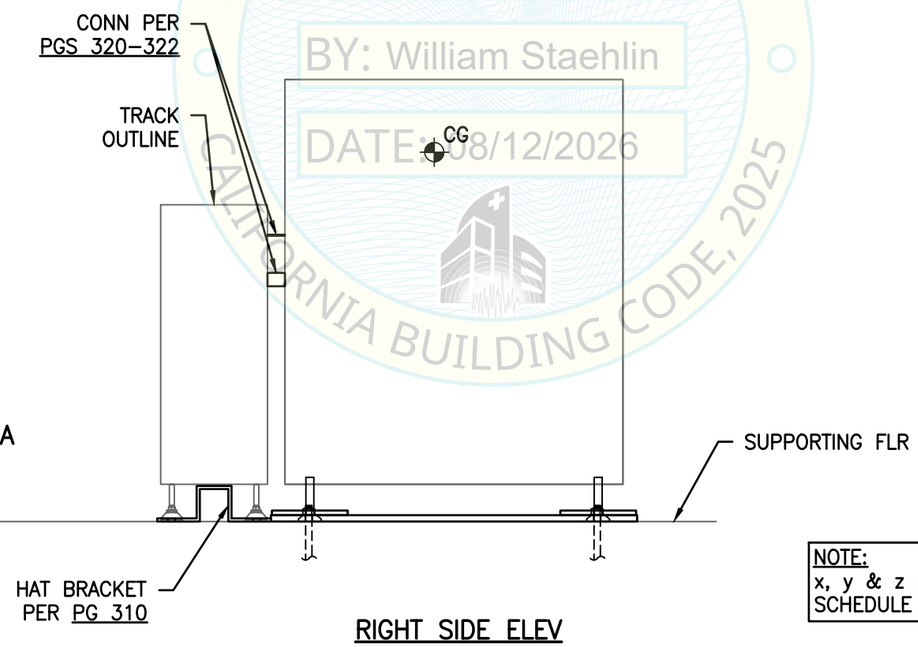


	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	1422#	1848#	417#
CASE 2 [1]	837#	1263#	251#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.



FRONT ELEV



RIGHT SIDE ELEV

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: FLOOR SUPPORTED MODULE: TUBE ASSESSMENT MODULE (TAM)
BASE PLAN & ELEVATIONS

ABBOTT

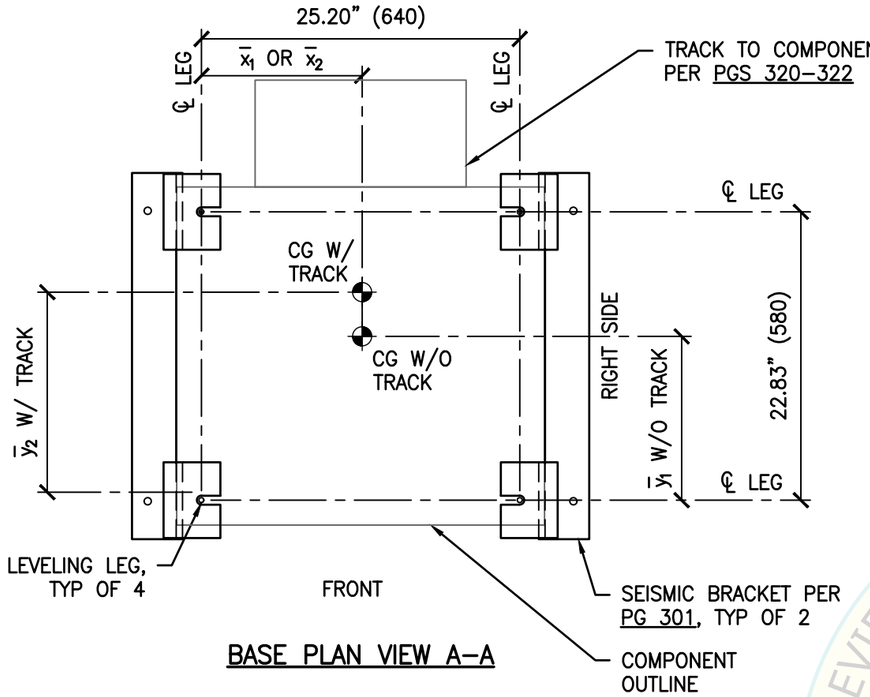
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.03

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:05pm Login:camachom Dimscale:1 LTScale:6

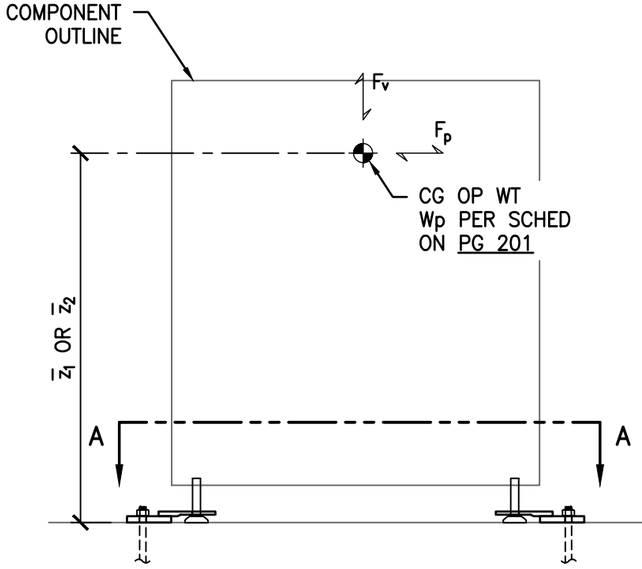


BASE PLAN VIEW A–A

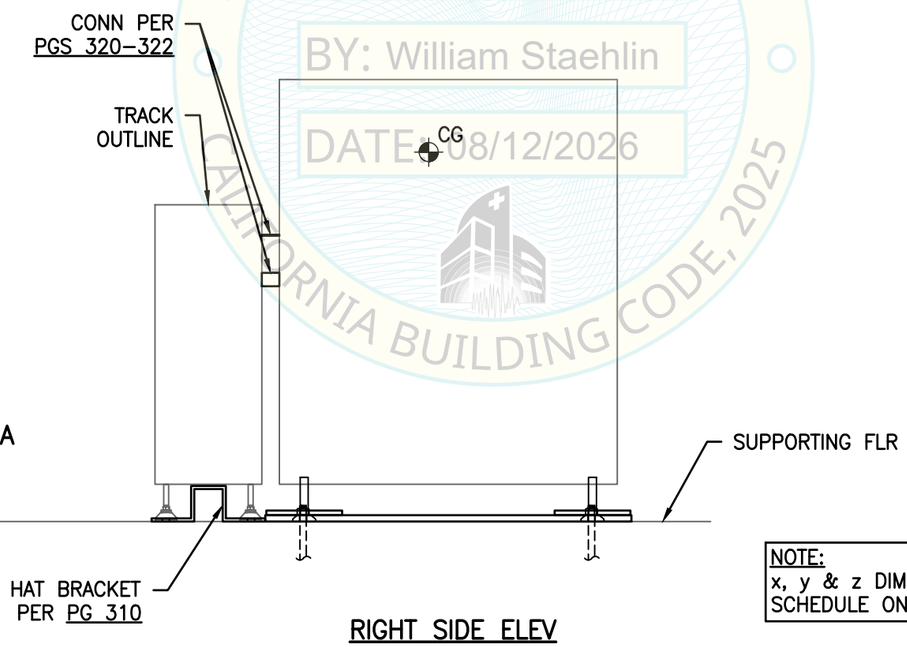


	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	1563#	2049#	479#
CASE 2 [1]	920#	1406#	289#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.



FRONT ELEV



RIGHT SIDE ELEV

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: FLOOR SUPPORTED MODULE: BULK LOADER MODULE (BLM)
BASE PLAN & ELEVATIONS

ABBOTT

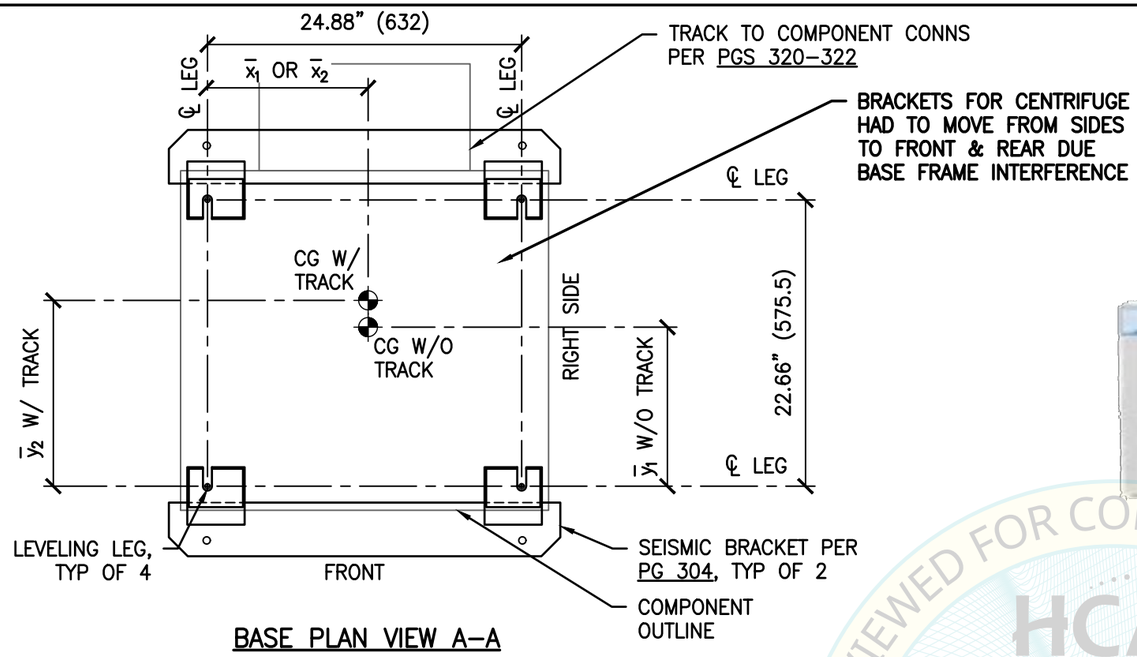
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.04

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:05pm Login:camachom Dimscale:1 LTScale:6

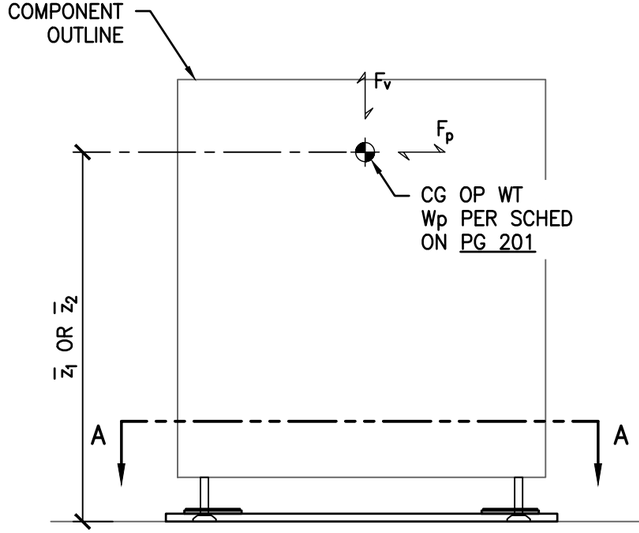


BASE PLAN VIEW A–A

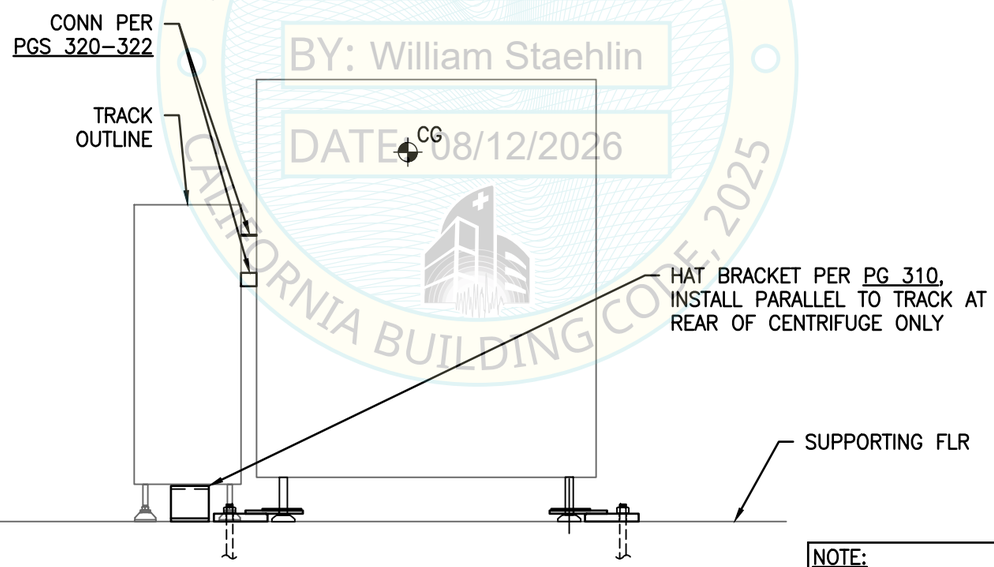


	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	2161#	2830#	655#
CASE 2 [1]	1261#	1930#	395#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.



FRONT ELEV



RIGHT SIDE ELEV

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: FLOOR SUPPORTED MODULE: CENTRIFUGE MODULE (CM)
BASE PLAN & ELEVATIONS

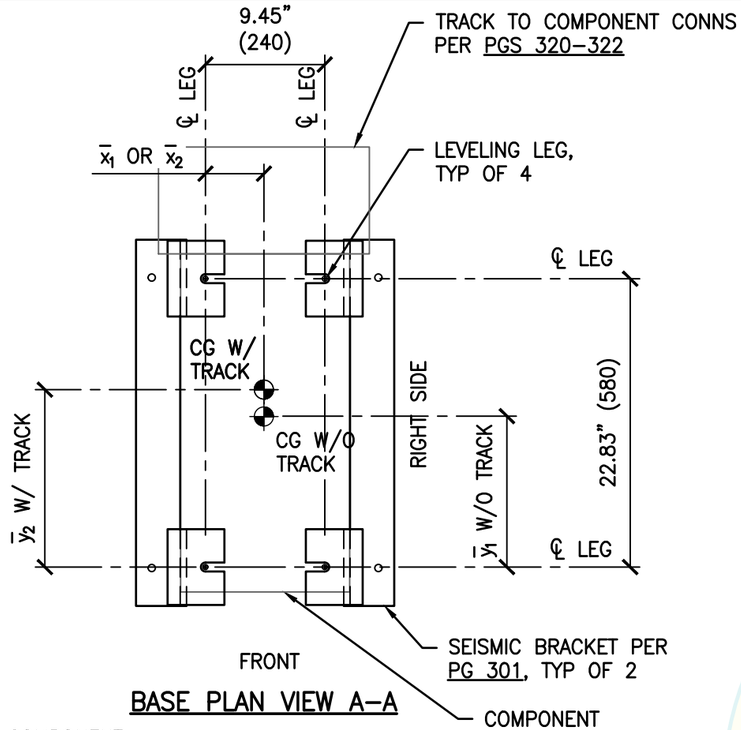
ABBOTT
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

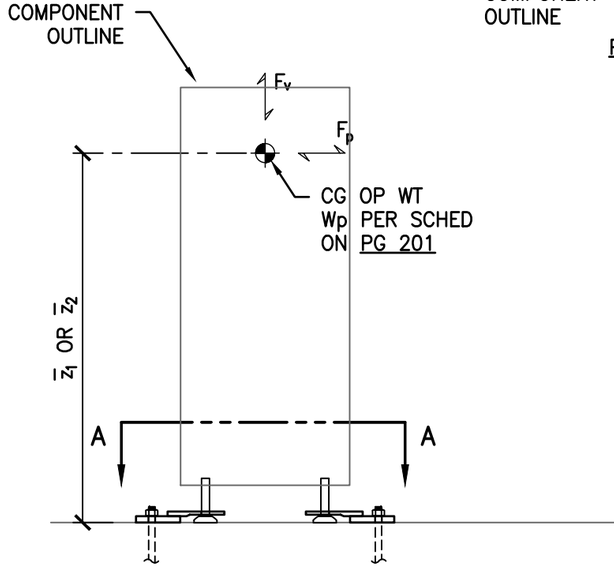
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.05

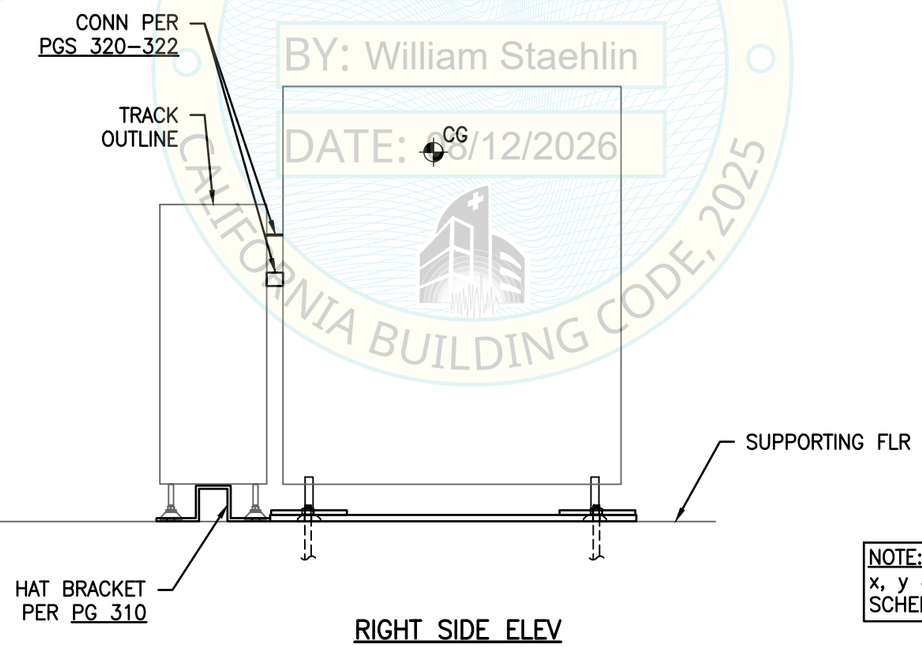
C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:05pm Login:camachom Dimscale:1 LTScale:6



BASE PLAN VIEW A–A



FRONT ELEV



RIGHT SIDE ELEV



	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	2149#	2474#	347#
CASE 2 [1]	1278#	1602#	209#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: FLOOR SUPPORTED MODULE: DECAPPER MODULE - (SINGLE (DM)
BASE PLAN & ELEVATIONS

ABBOTT

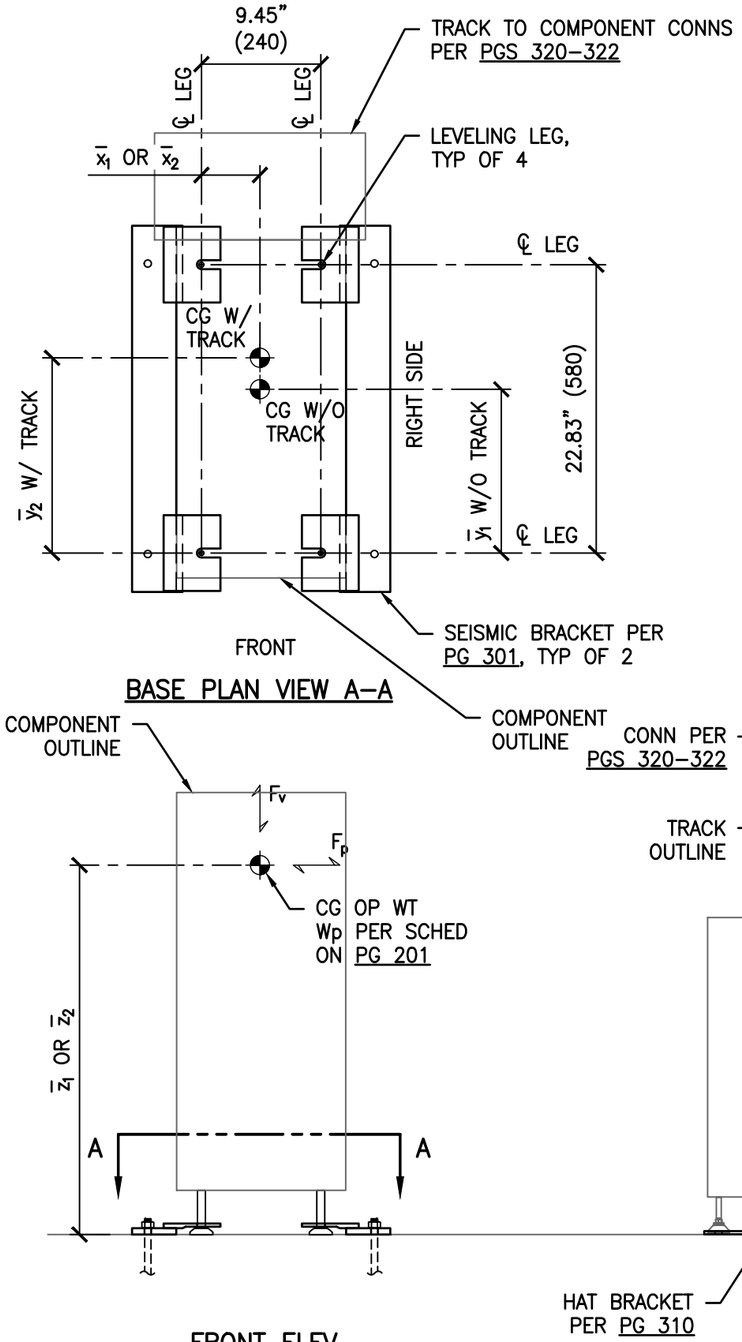
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.06

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:05pm Login:camachom Dimscale:1 LTScale:6

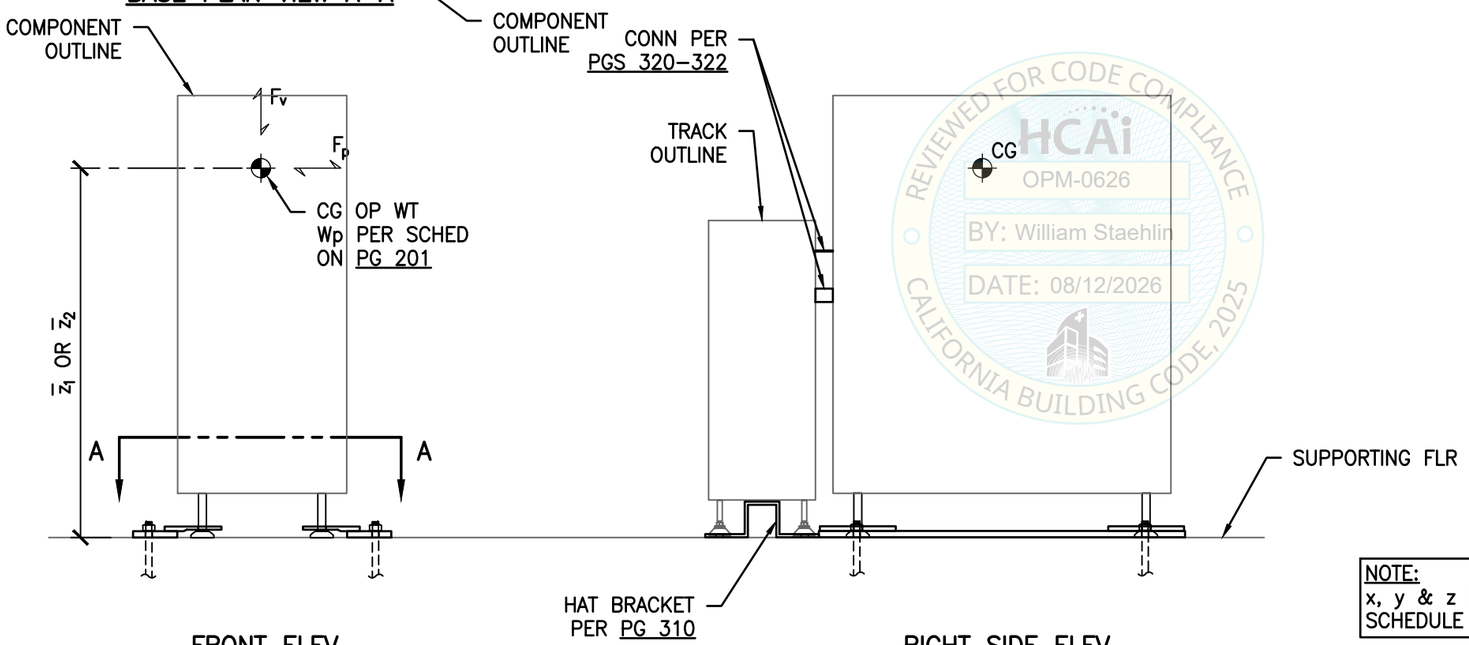


BASE PLAN VIEW A–A



	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	2244#	2581#	353#
CASE 2 [1]	1335#	1673#	213#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.



FRONT ELEV

RIGHT SIDE ELEV

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025



NOT SEOR

SHEET TITLE: FLOOR SUPPORTED MODULE: DECAPPER MODULE - DOUBLE (DM DBL)
BASE PLAN & ELEVATIONS

ABBOTT

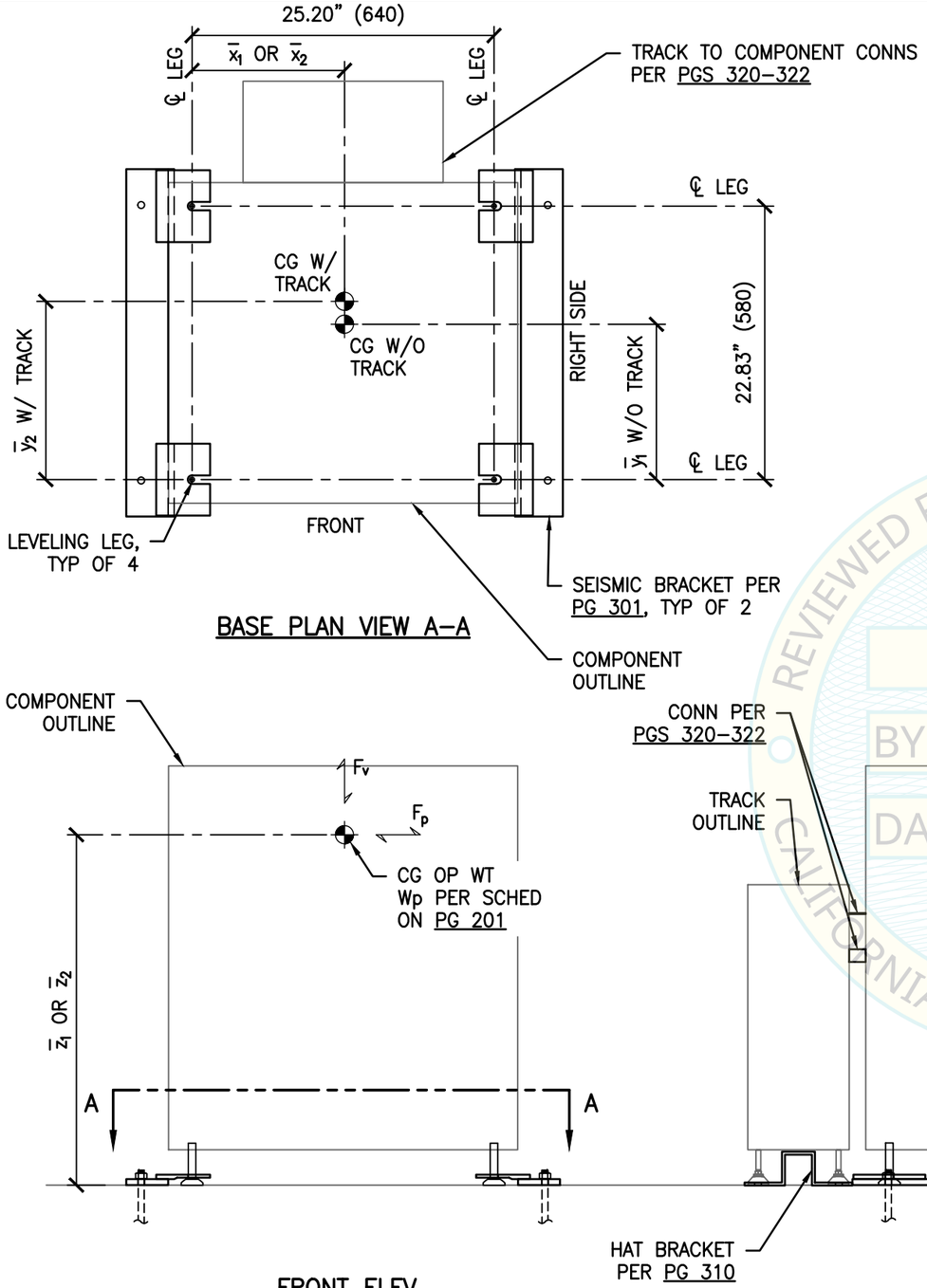
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

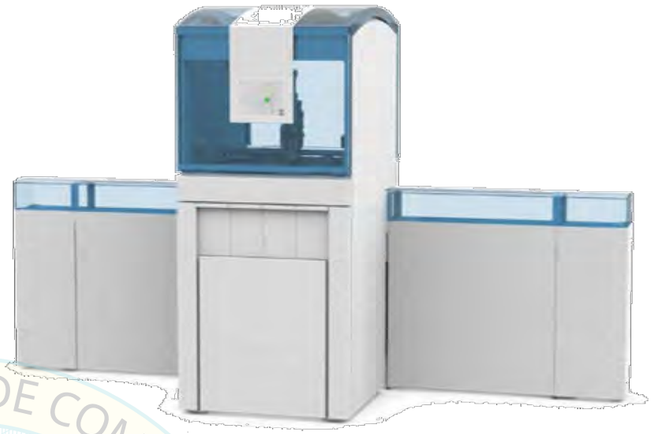
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.07

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:05pm Login:camachom Dimscale:1 LTScale:6



BASE PLAN VIEW A–A



	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	1511#	1975#	453#
CASE 2 [1]	882#	1346#	273#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.

FRONT ELEV

RIGHT SIDE ELEV

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: FLOOR SUPPORTED MODULE: ALIQUOT MODULE (AM)
BASE PLAN & ELEVATIONS

ABBOTT

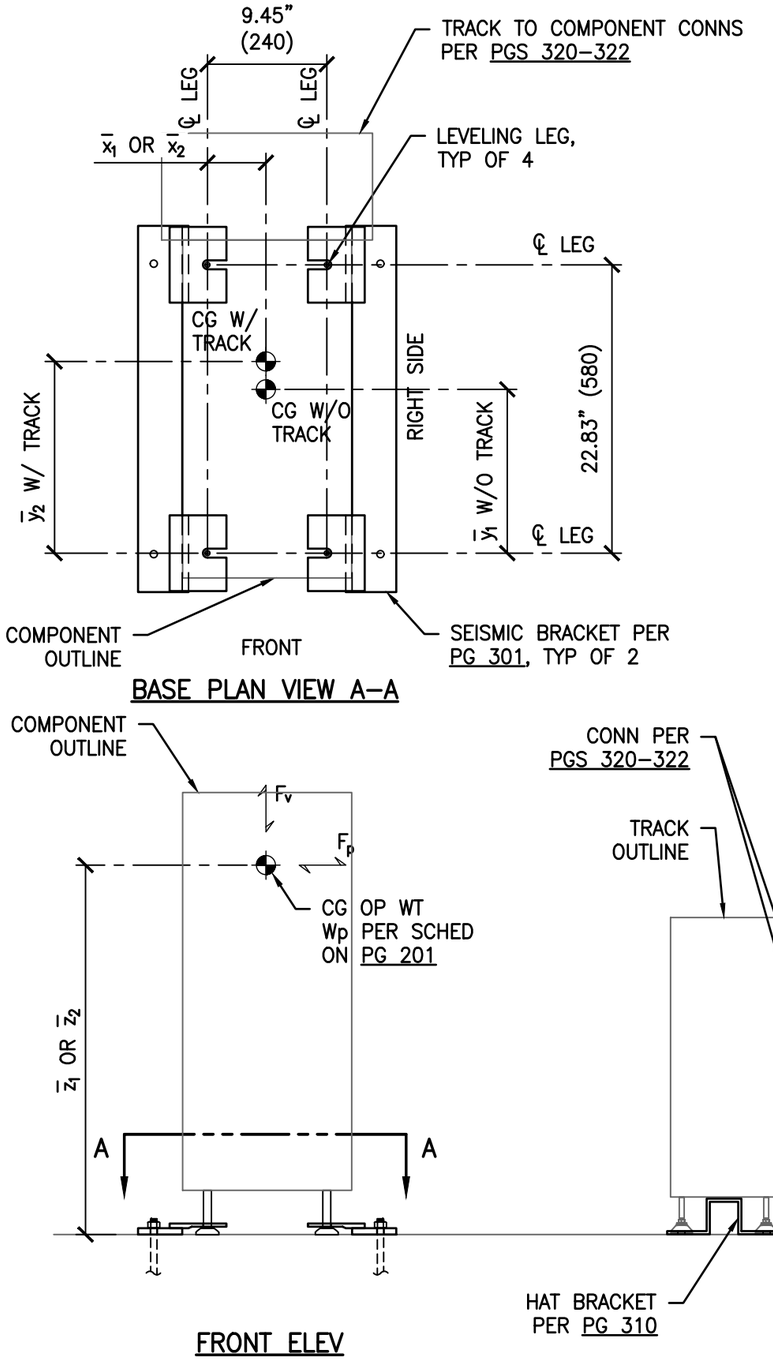
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.08

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:05pm Login:camachom Dimscale:1 LTScale:6



BASE PLAN VIEW A–A

FRONT ELEV

RIGHT SIDE ELEV



	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	2427#	2827#	422#
CASE 2 [1]	1441#	1841#	255#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025



NOT SEOR

SHEET TITLE: FLOOR SUPPORTED MODULE: RECAPPER MODULE - SINGLE (RM)
BASE PLAN & ELEVATIONS

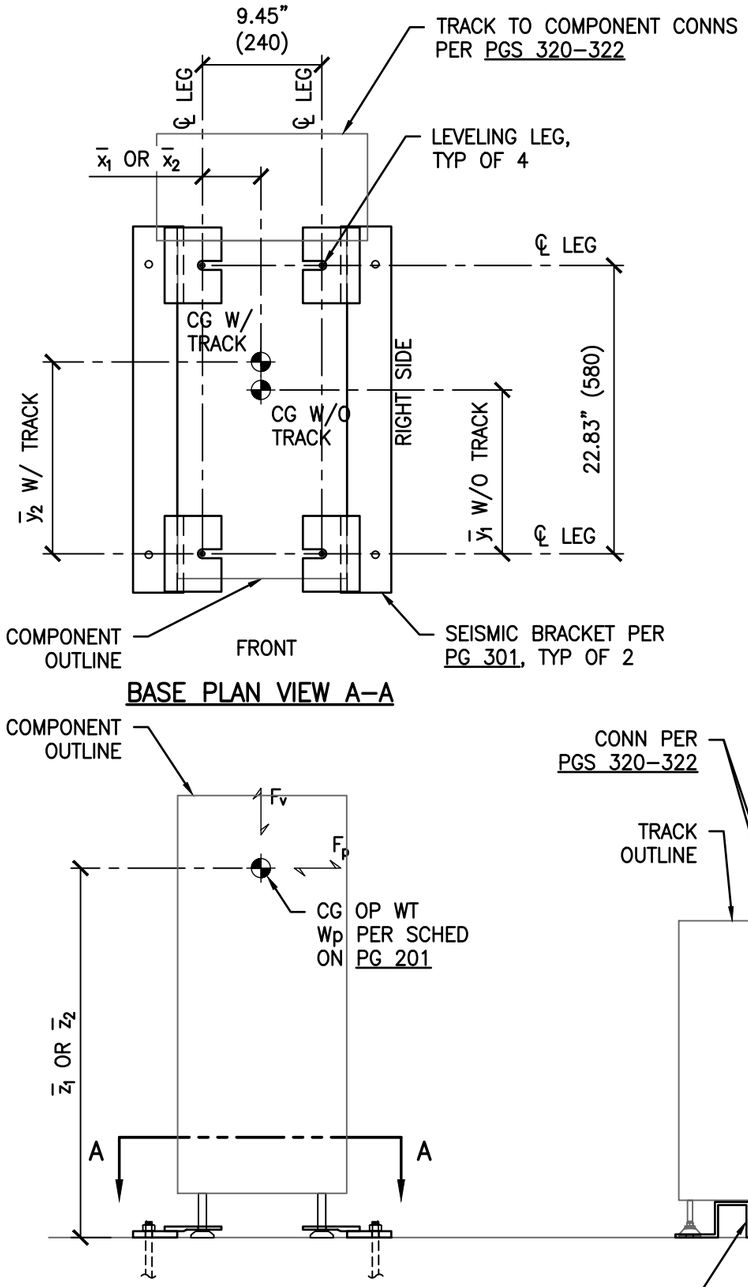
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N TEL (916) 920-2020
SACRAMENTO, CA 95833 www.cyseng.com

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.09

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:06pm Login:camachom Dimscale:1 LTScale:6



BASE PLAN VIEW A–A

FRONT ELEV

RIGHT SIDE ELEV



	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	2398#	2794#	423#
CASE 2 [1]	1422#	1818#	255#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025



NOT SEOR

SHEET TITLE: FLOOR SUPPORTED MODULE: RECAPPER MODULE - DOUBLE (RM DBL)
BASE PLAN & ELEVATIONS

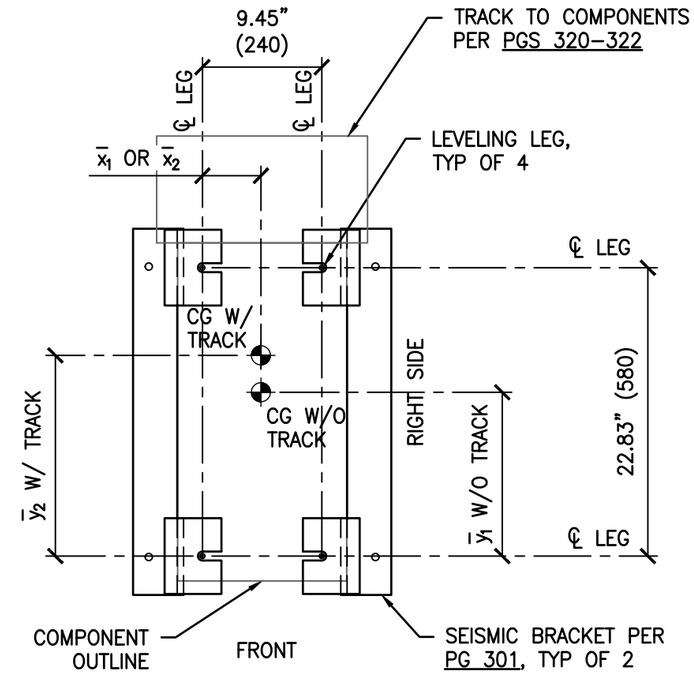
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

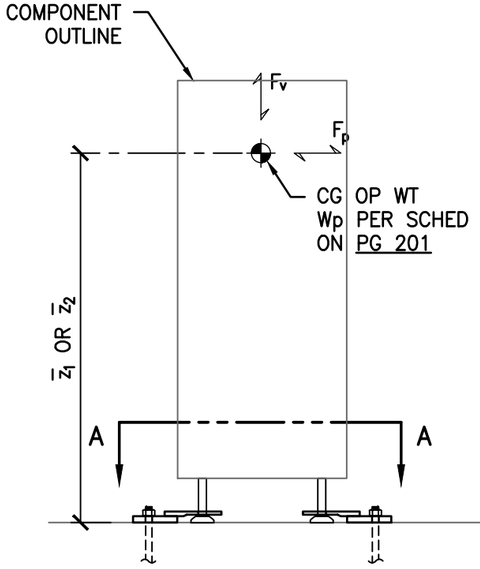
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.10

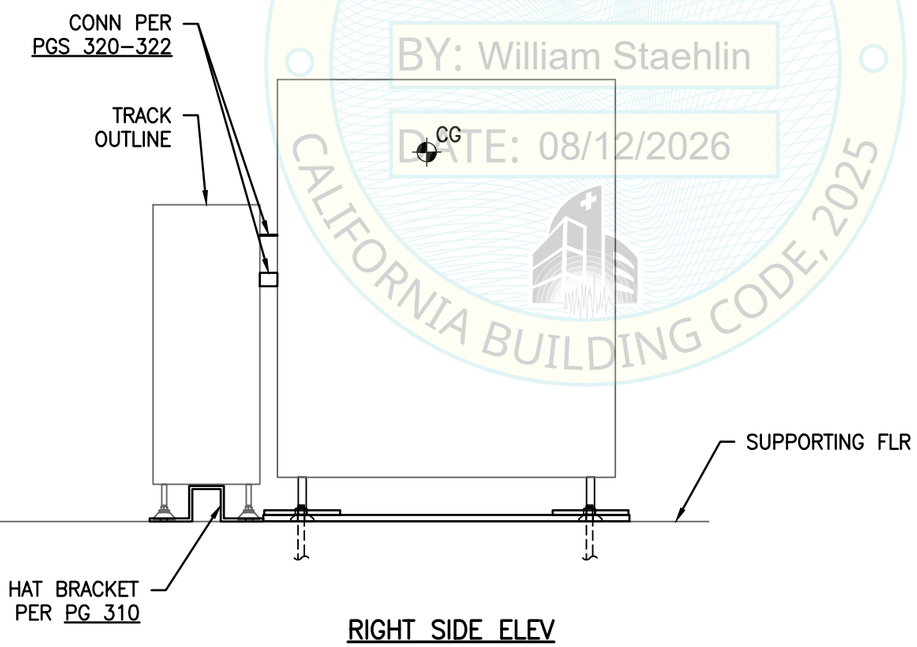
C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:06pm Login:camachom Dimscale:1 LTScale:6



BASE PLAN VIEW A–A



FRONT ELEV



RIGHT SIDE ELEV



	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	2119#	2447#	353#
CASE 2 [1]	1261#	1589#	213#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: FLOOR SUPPORTED MODULE: REMOVER MODULE - SMALL (REM S)
BASE PLAN & ELEVATIONS

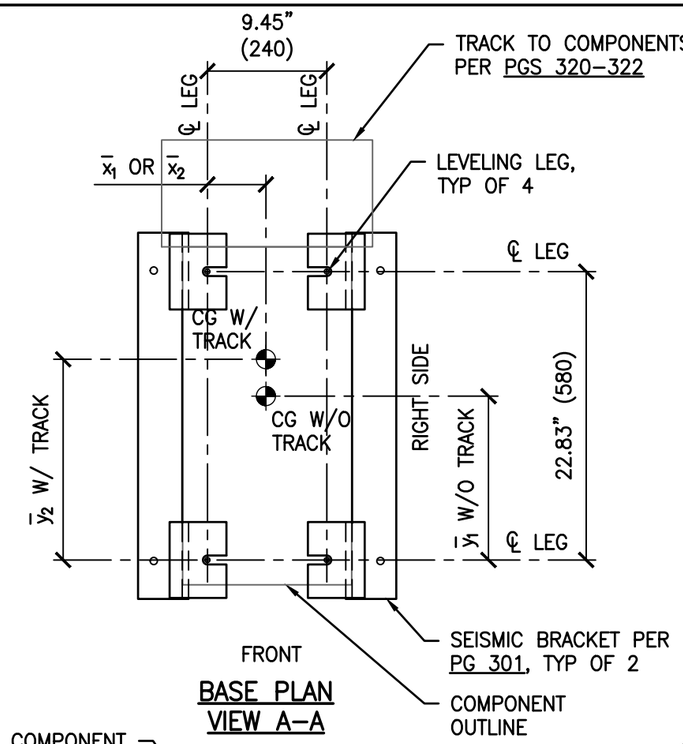
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N TEL (916) 920-2020
SACRAMENTO, CA 95833 www.cyseng.com

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.11

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:06pm Login:camachom Dimscale:1 LTScale:6

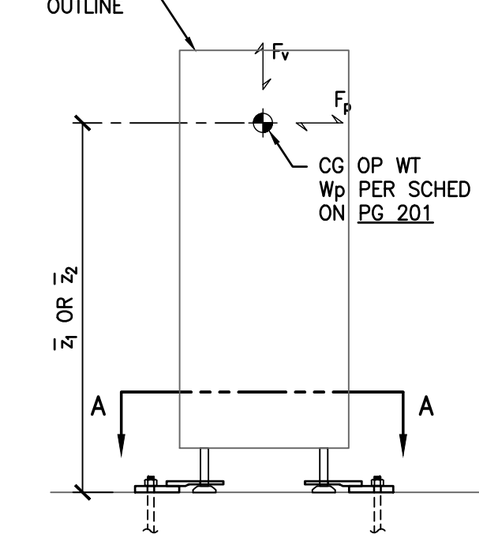


BASE PLAN VIEW A–A

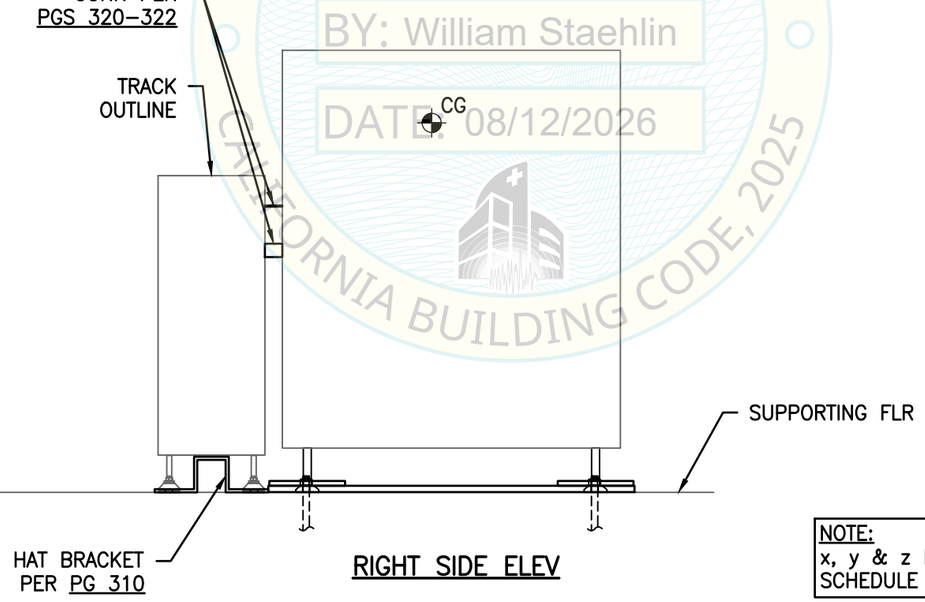


	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	2234#	2577#	372#
CASE 2 [1]	1329#	1672#	224#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.



FRONT ELEV



RIGHT SIDE ELEV

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: FLOOR SUPPORTED MODULE: REMOVER MODULE - SMALL LARGE (REM SL)
BASE PLAN & ELEVATIONS

ABBOTT

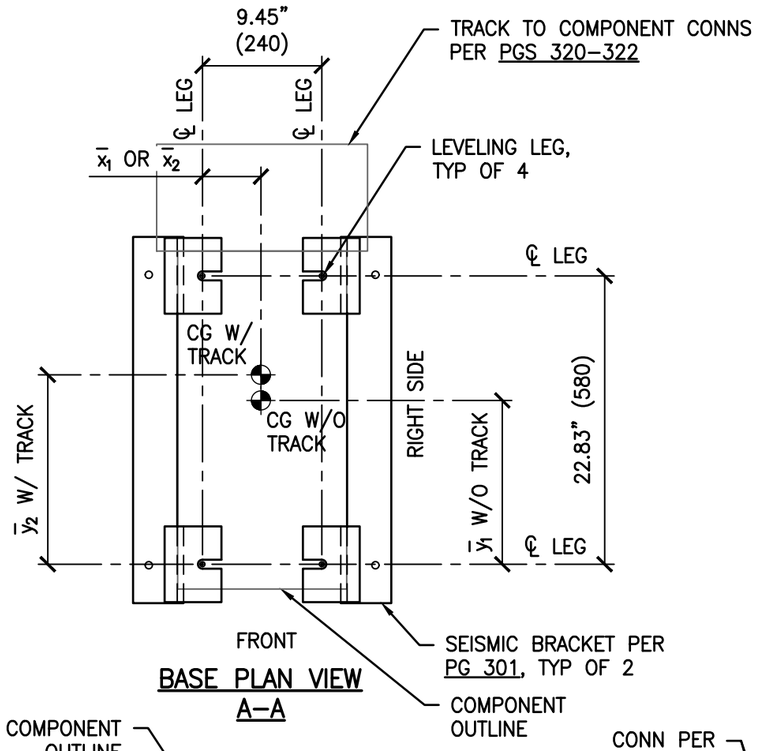
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

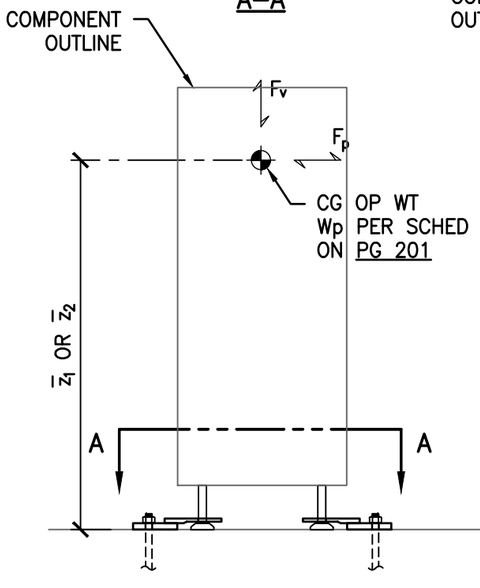
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.12

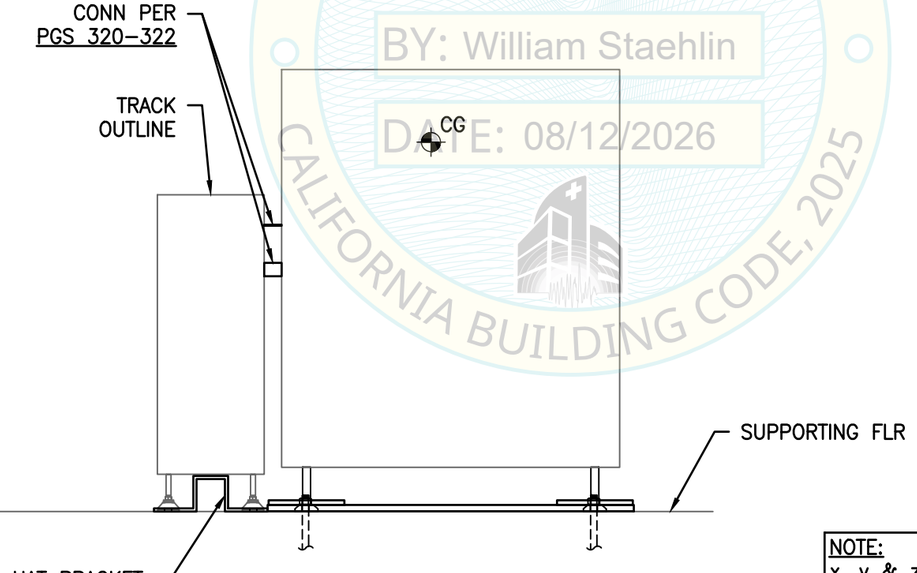
C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:06pm Login:camachom Dimscale:1 LTScale:6



BASE PLAN VIEW
A–A



FRONT ELEV



RIGHT SIDE ELEV



	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	2474#	2872#	419#
CASE 2 [1]	1468#	1866#	252#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

REVIEWED FOR CODE COMPLIANCE
HCAI
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: FLOOR SUPPORTED MODULE: SCREWCAPPER MODULE (SCCM)
BASE PLAN & ELEVATIONS

Rev	Description	Date

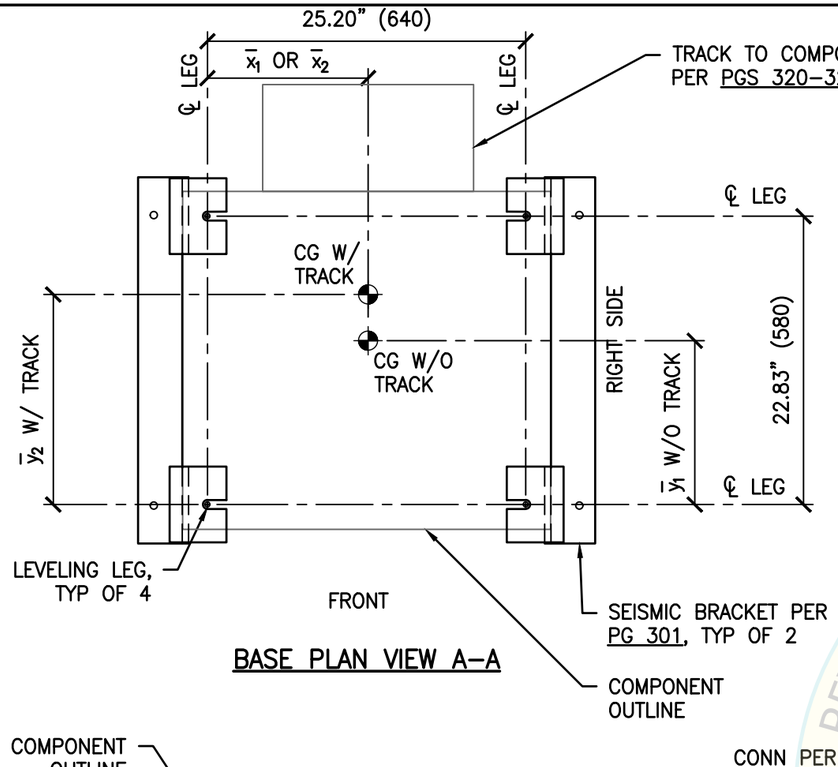
Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.13

ABBOTT

ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N TEL (916) 920-2020
SACRAMENTO, CA 95833 www.cyseng.com

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:06pm Login:camachom Dimscale:1 LTScale:6

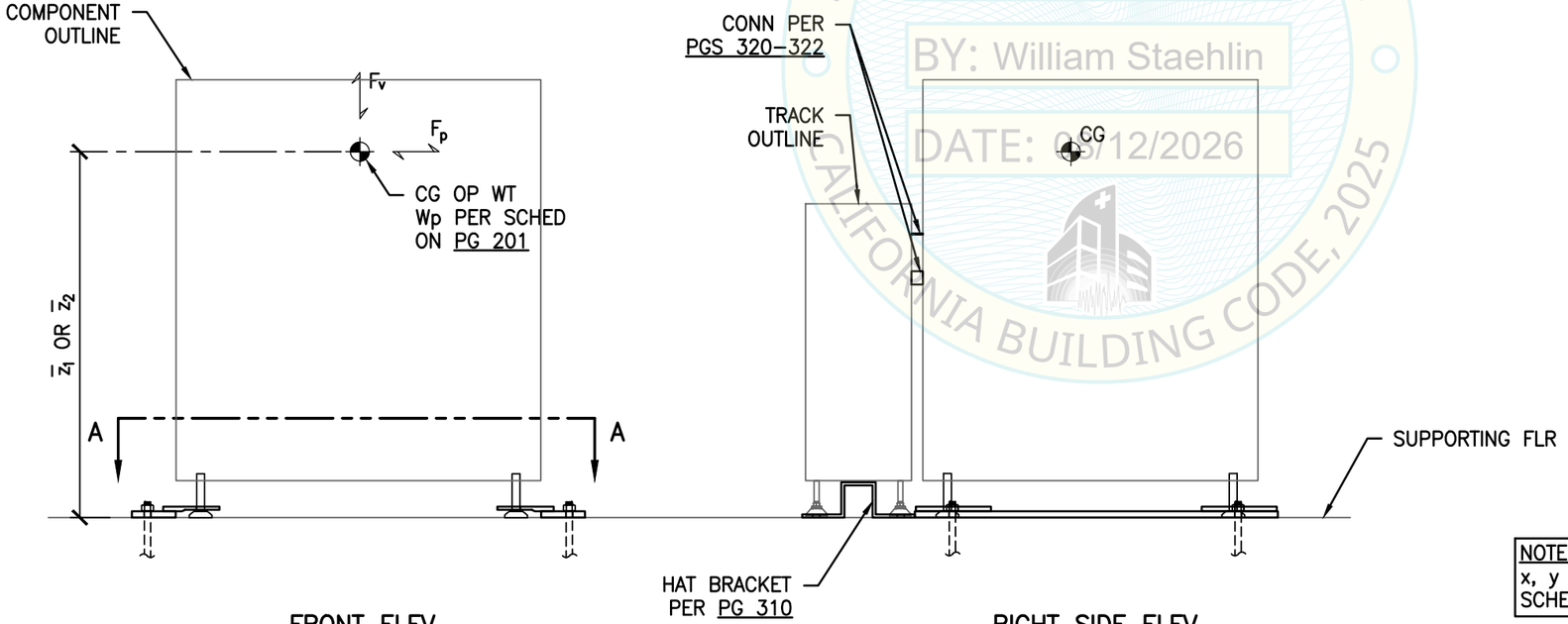


BASE PLAN VIEW A–A



	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	1307#	1694#	378#
CASE 2 [1]	771#	1158#	228#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.



FRONT ELEV

RIGHT SIDE ELEV

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: FLOOR SUPPORTED MODULE: BUFFER MODULE (BM)
BASE PLAN & ELEVATIONS

ABBOTT

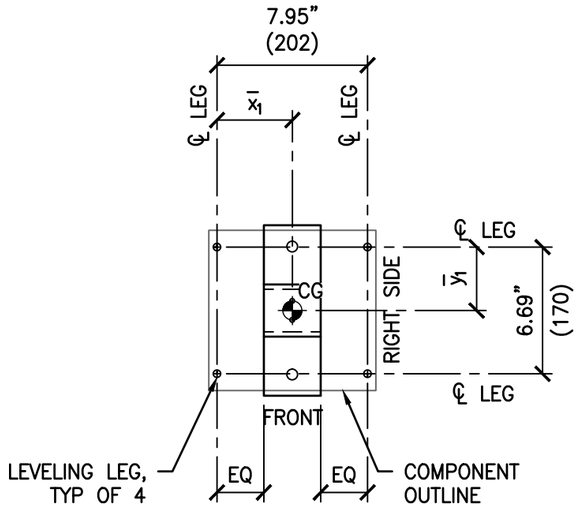
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

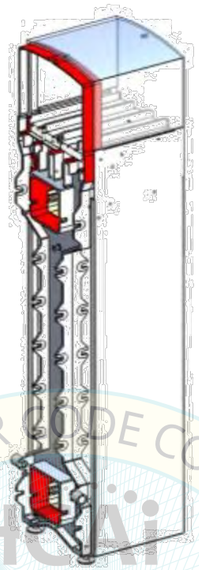
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.14

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:06pm Login:camachom Dimscale:1 LTScale:6

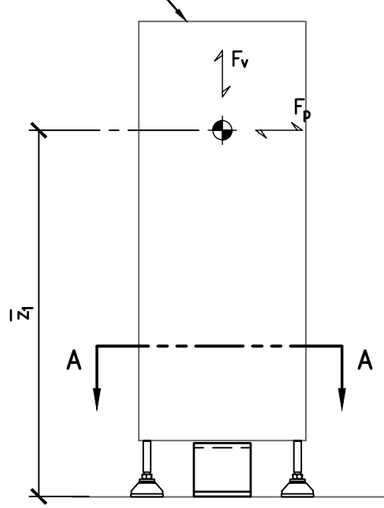


BASE PLAN VIEW A–A

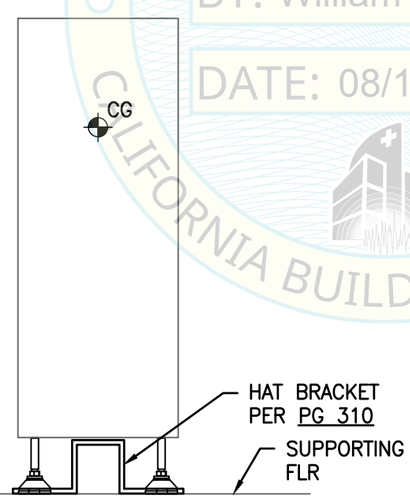


	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	294#	321#	40#
CASE 2 [1]	163#	191#	22#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.



FRONT ELEV



RIGHT SIDE ELEV

NOTES:
1. FOR CONFIGURATIONS W/ MULTIPLE STRAIGHT TRACK SECTIONS IN SERIES, REFER TO PGS 203 & 204.
2. x, y & z DIMS ARE PER SCHEDULE ON PG 201.

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: FLOOR SUPPORTED TRACK: STRAIGHT SECTION - 20cm
BASE PLAN & ELEVATIONS

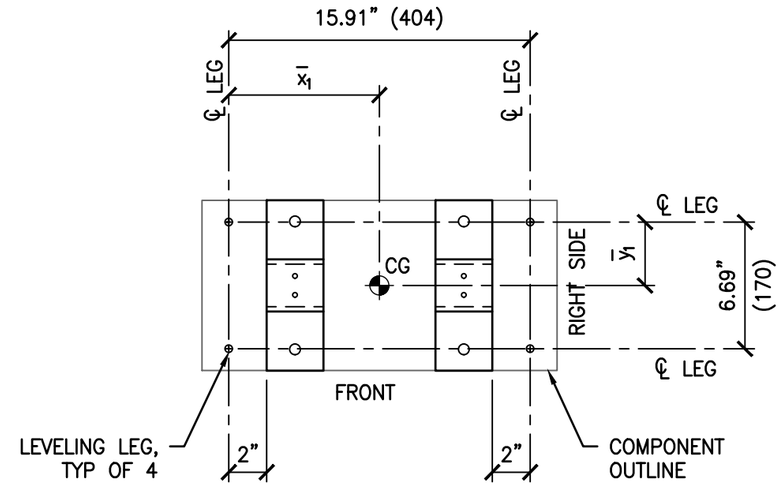
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

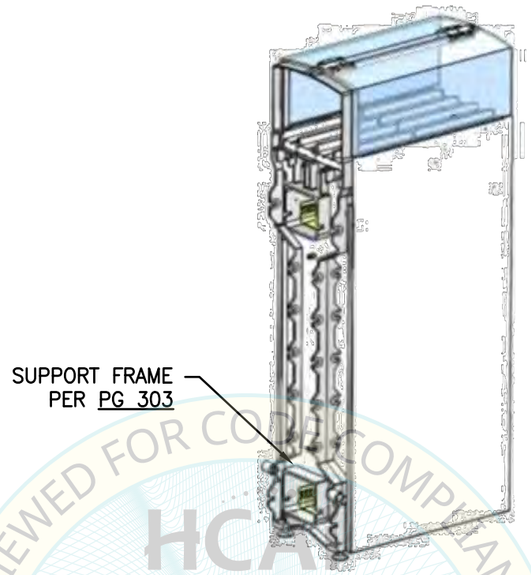
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.15

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:06pm Login:camachom Dimscale:1 LTScale:6

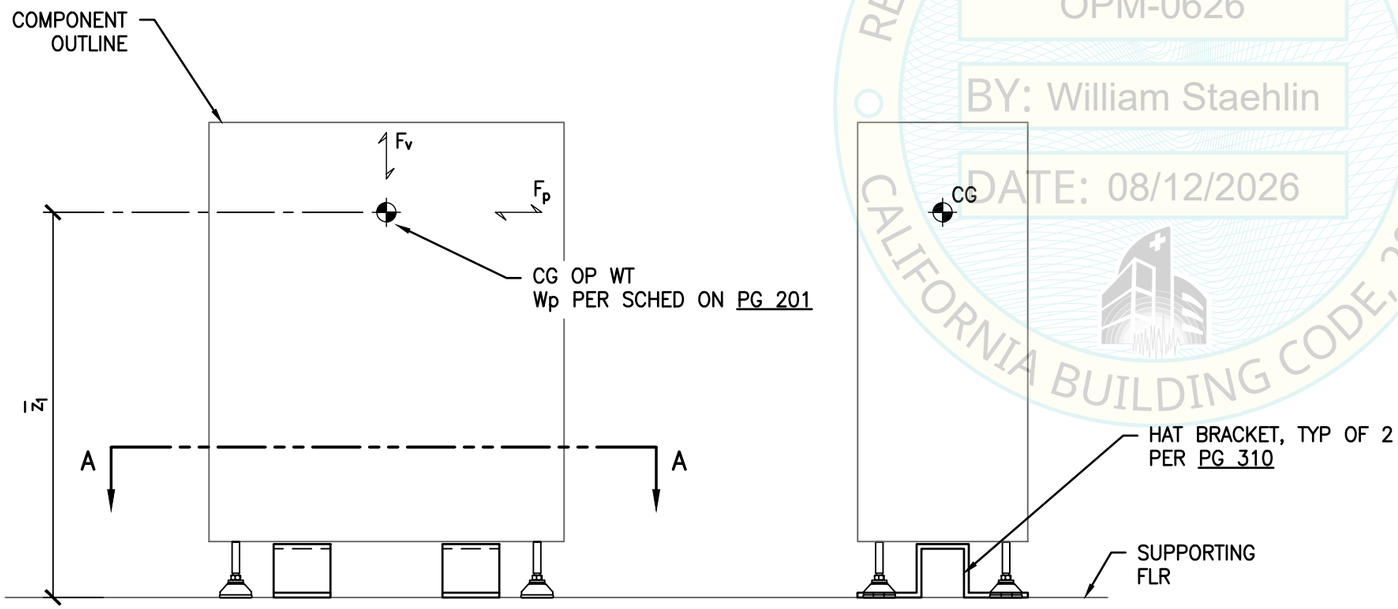


BASE PLAN VIEW A–A



	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	488#	552#	81#
CASE 2 [1]	272#	335#	46#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.



FRONT ELEV

RIGHT SIDE ELEV

NOTES:
1. FOR CONFIGURATIONS W/ MULTIPLE STRAIGHT TRACK SECTIONS IN SERIES, REFER TO PGS 203 & 204.
2. x, y & z DIMS ARE PER SCHEDULE ON PG 201.

REVIEWED FOR CODE COMPLIANCE
HCAI
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: FLOOR SUPPORTED TRACK: STRAIGHT SECTION - 40cm
BASE PLAN & ELEVATIONS

ABBOTT

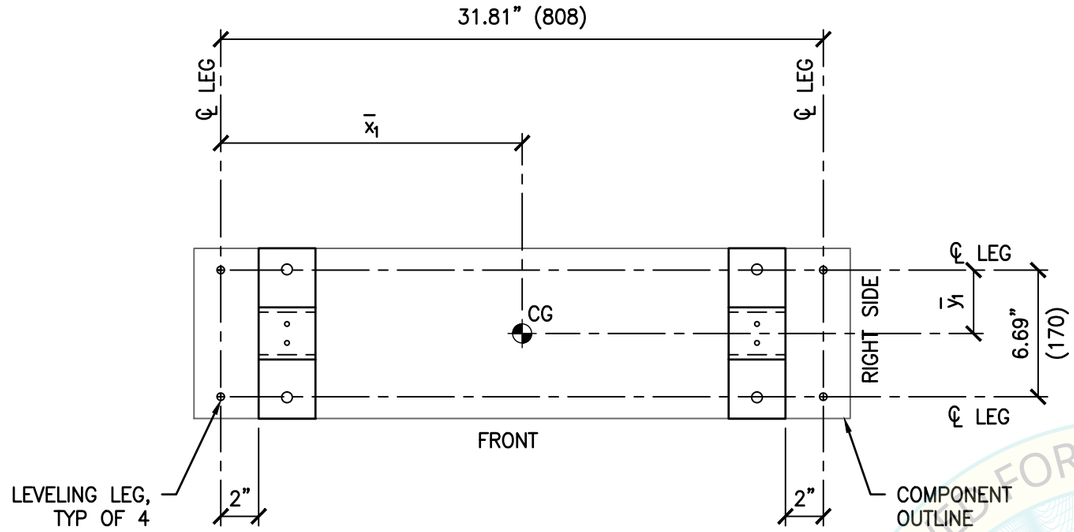
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

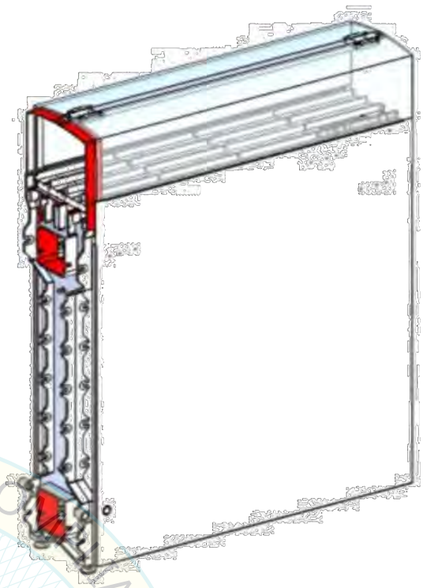
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.16

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:06pm Login:camachom Dimscale:1 LTScale:6

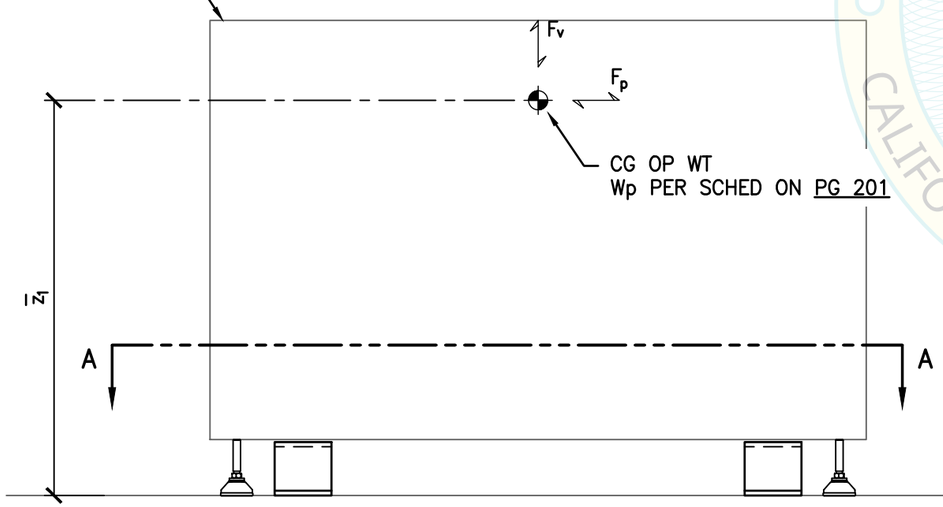


BASE PLAN VIEW A–A

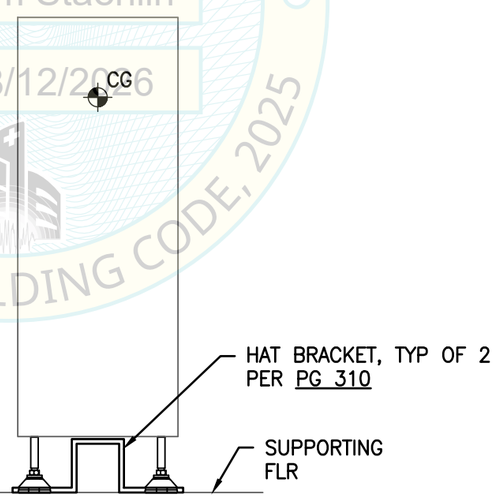


	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	778#	882#	129#
CASE 2 [1]	433#	537#	73#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.



FRONT ELEV



RIGHT SIDE ELEV

NOTES:
1. FOR CONFIGURATIONS W/ MULTIPLE STRAIGHT TRACK SECTIONS IN SERIES, REFER TO PGS 203 & 204.
2. x, y & z DIMS ARE PER SCHEDULE ON PG 201.

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: FLOOR SUPPORTED TRACK: STRAIGHT SECTION - 80cm
BASE PLAN & ELEVATIONS

ABBOTT

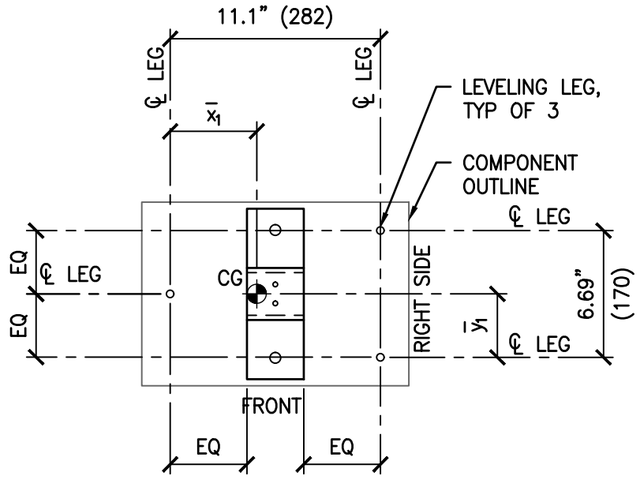
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

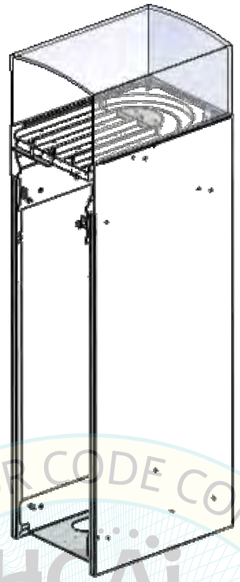
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.17

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:06pm Login:camachom Dimscale:1 LTScale:6



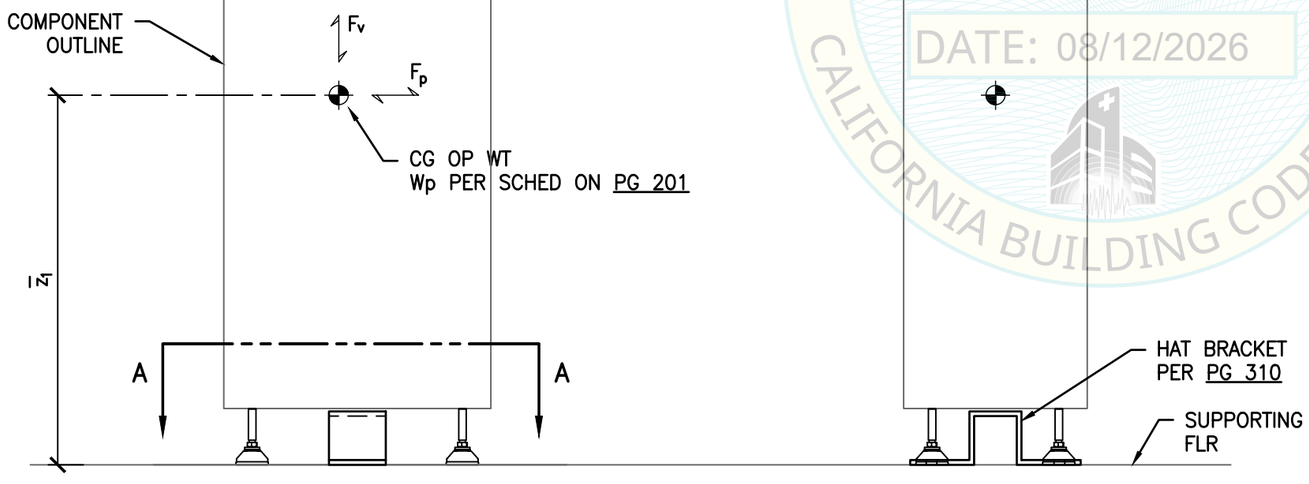
BASE PLAN VIEW A–A



	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	319#	292#	56#
CASE 2 [1]	178#	180#	32#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.

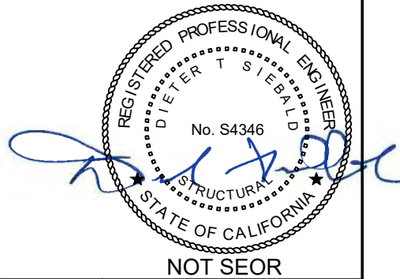
NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201



FRONT ELEV

RIGHT SIDE ELEV

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025



NOT SEOR

SHEET TITLE: FLOOR SUPPORTED TRACK: STRAIGHT SECTION - TRACK END
BASE PLAN & ELEVATIONS

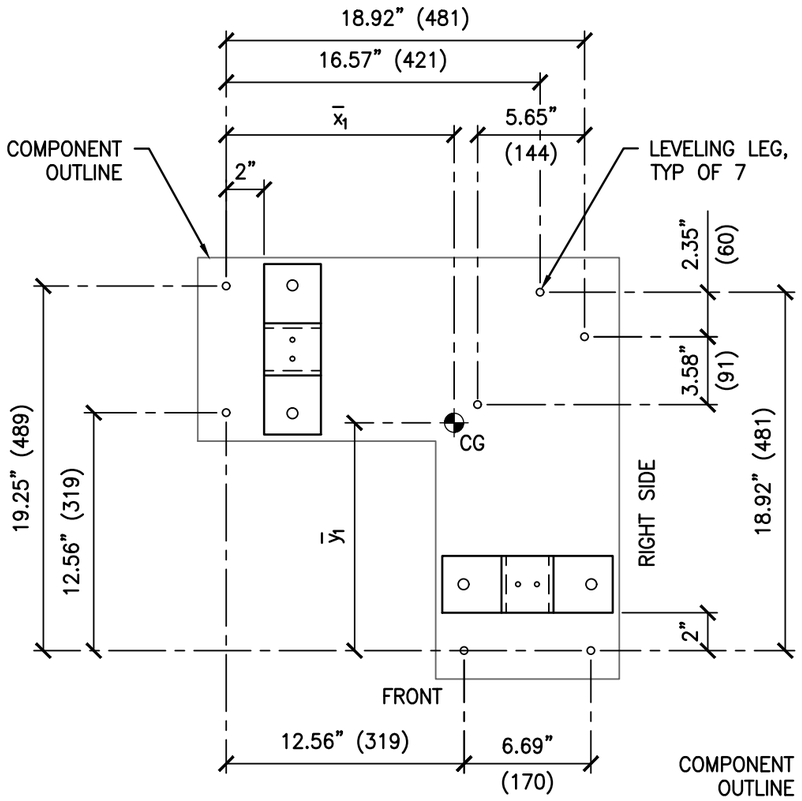
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

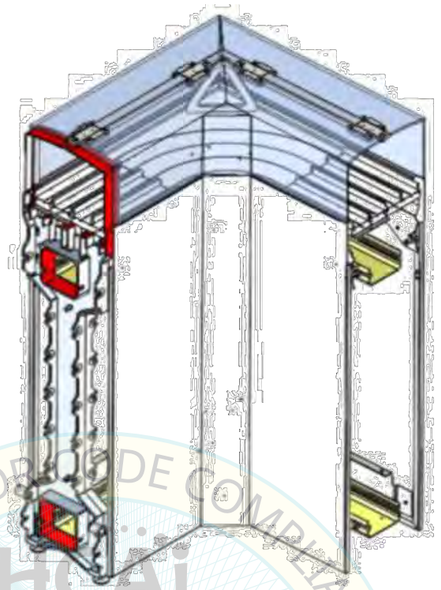
Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.18

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:06pm Login:camachom Dimscale:1 LTScale:6



BASE PLAN VIEW A–A

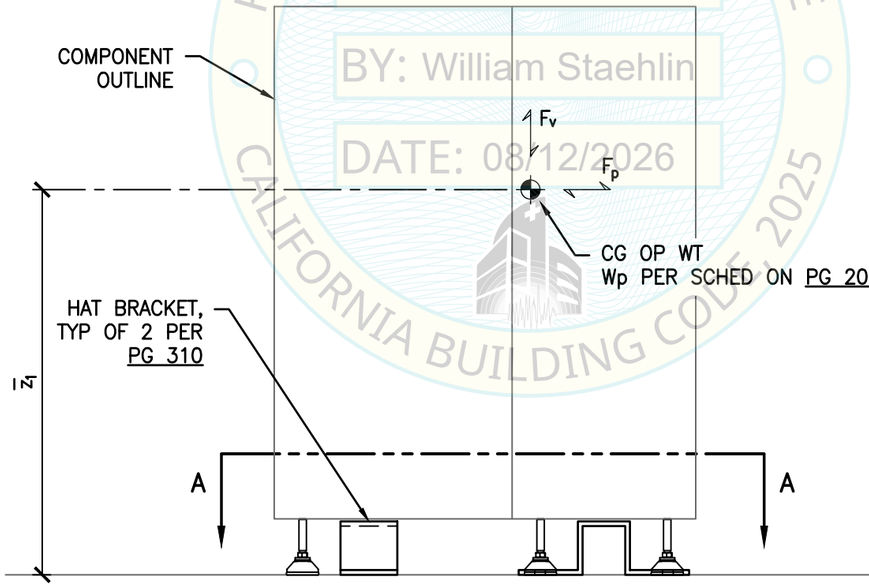
NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201



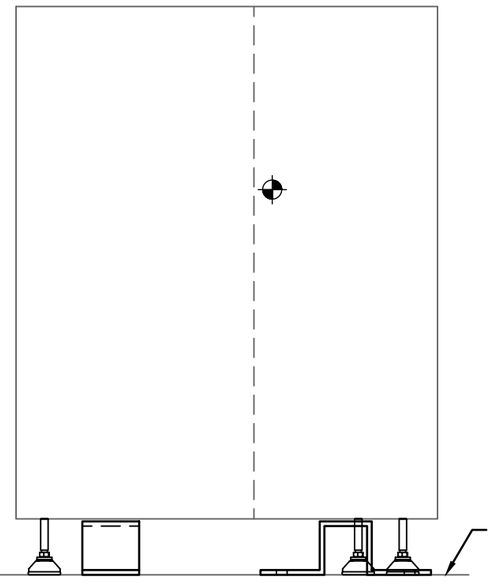
	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	149#	166#	37#
CASE 2 [1]	82#	103#	21#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.

HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
REVIEWED FOR CODE COMPLIANCE
CALIFORNIA BUILDING CODE 2025



FRONT ELEV



RIGHT SIDE ELEV



NOT SEOR

SHEET TITLE: FLOOR SUPPORTED TRACK: CURVED 90 SECTION
BASE PLAN & ELEVATIONS

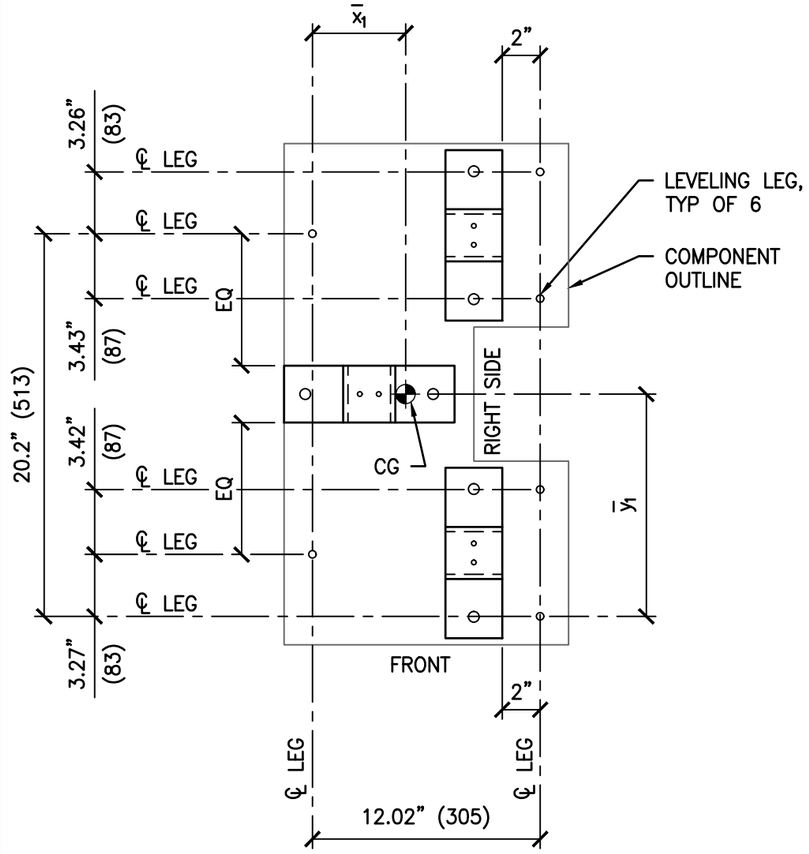
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

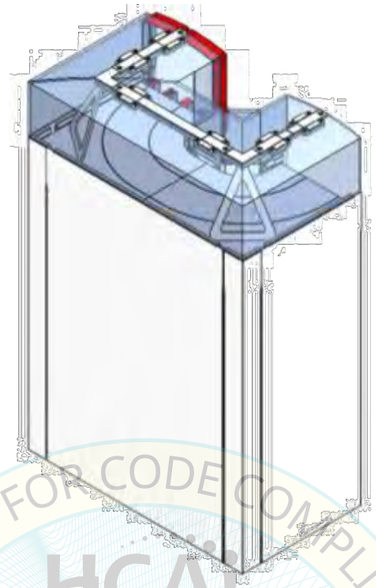
Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.19

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:06pm Login:camachom Dimscale:1 LTScale:6



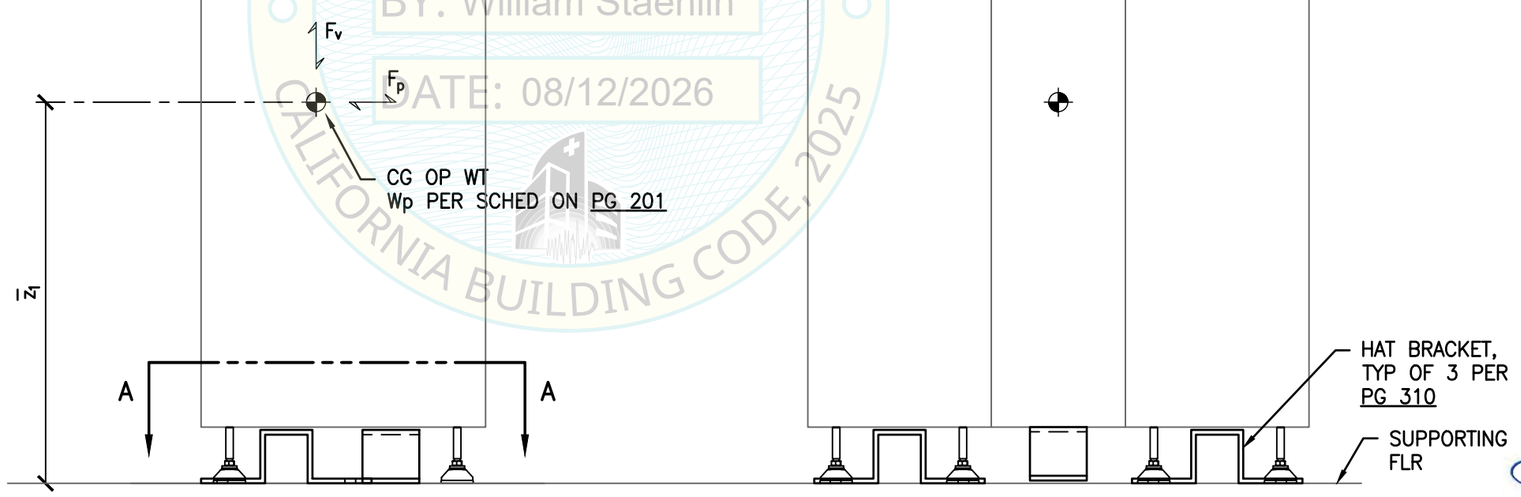
BASE PLAN VIEW A–A

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201



	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	186#	313#	62#
CASE 2 [1]	103#	198#	35#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.



FRONT ELEV

RIGHT SIDE ELEV

REVIEWED FOR CODE COMPLIANCE
HCAI
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: FLOOR SUPPORTED TRACK: CURVED 180 SECTION
BASE PLAN & ELEVATIONS

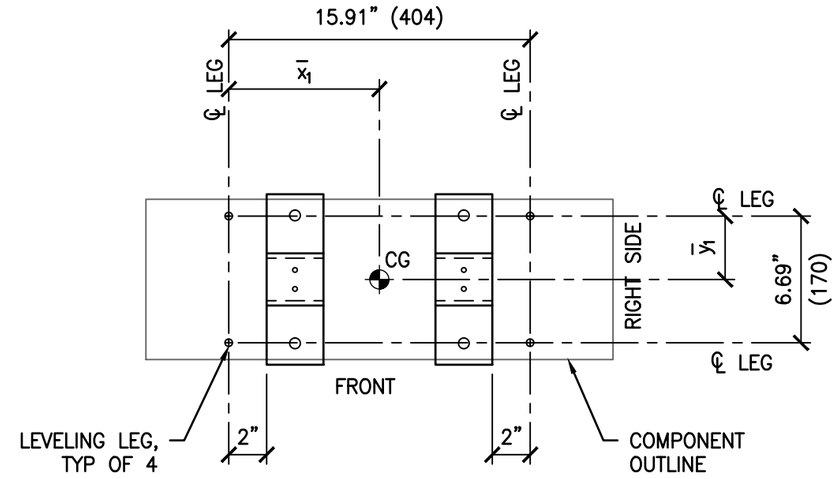
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

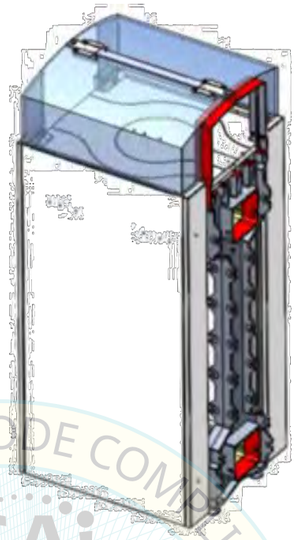
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.20

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:06pm Login:camachom Dimscale:1 LTScale:6



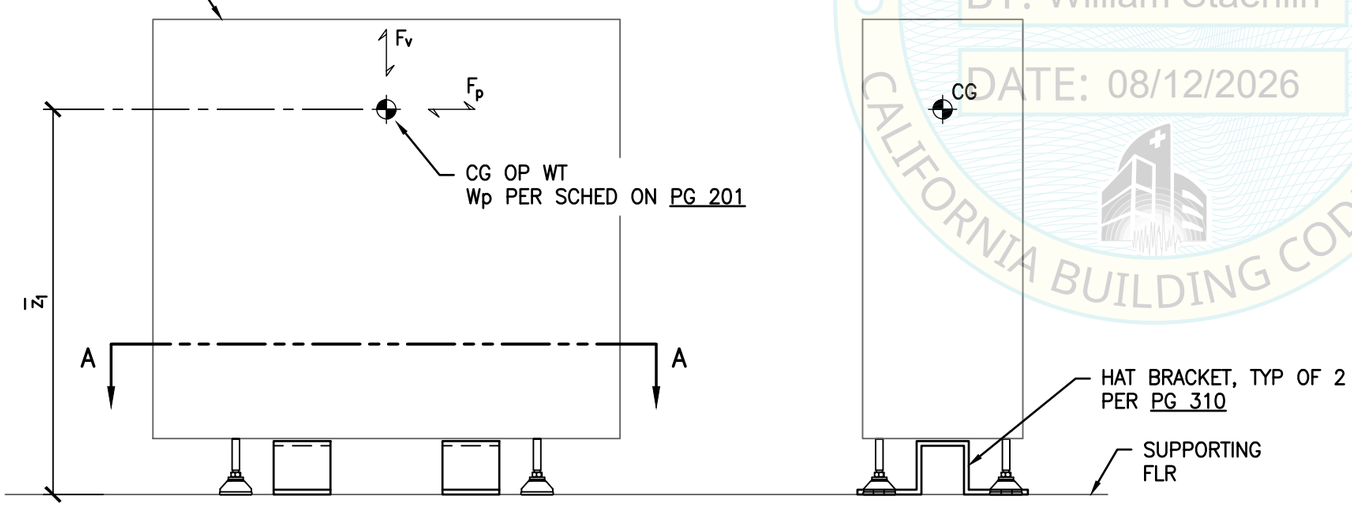
BASE PLAN VIEW A–A



	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	341#	378#	53#
CASE 2 [1]	189#	226#	30#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201



FRONT ELEV

RIGHT SIDE ELEV

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025



NOT SEOR

SHEET TITLE: FLOOR SUPPORTED TRACK: U-TURN SINGLE 40
BASE PLAN & ELEVATIONS

Rev	Description	Date

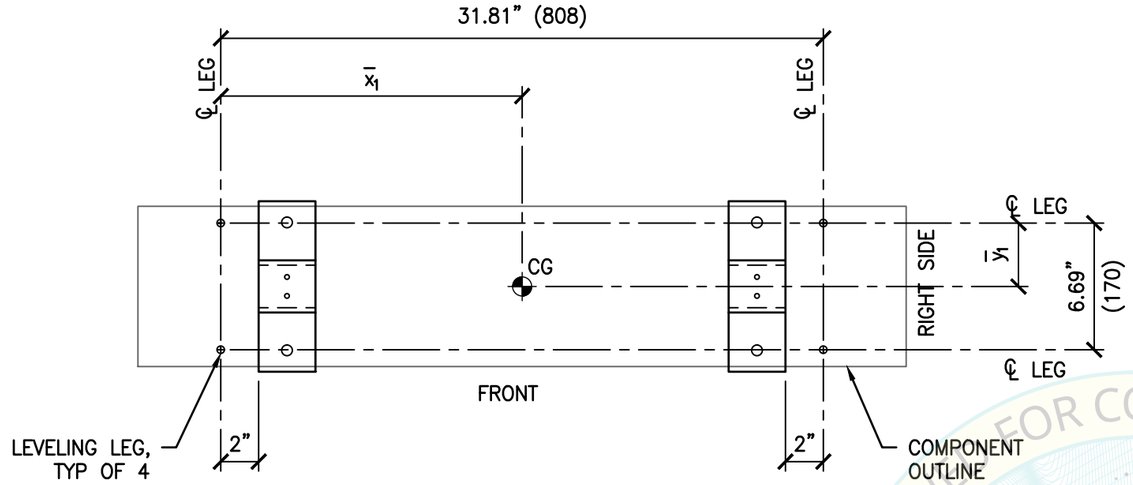
Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.21

ABBOTT

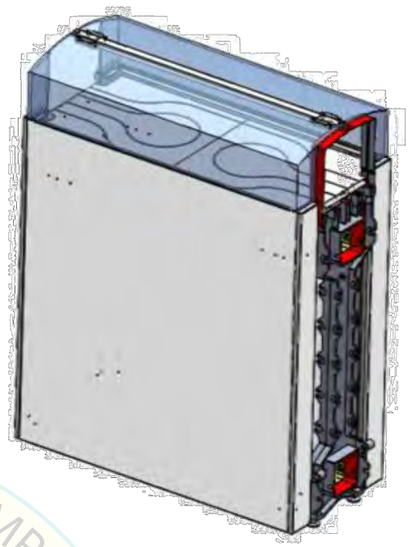
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:06pm Login:camachom Dimscale:1 LTScale:6



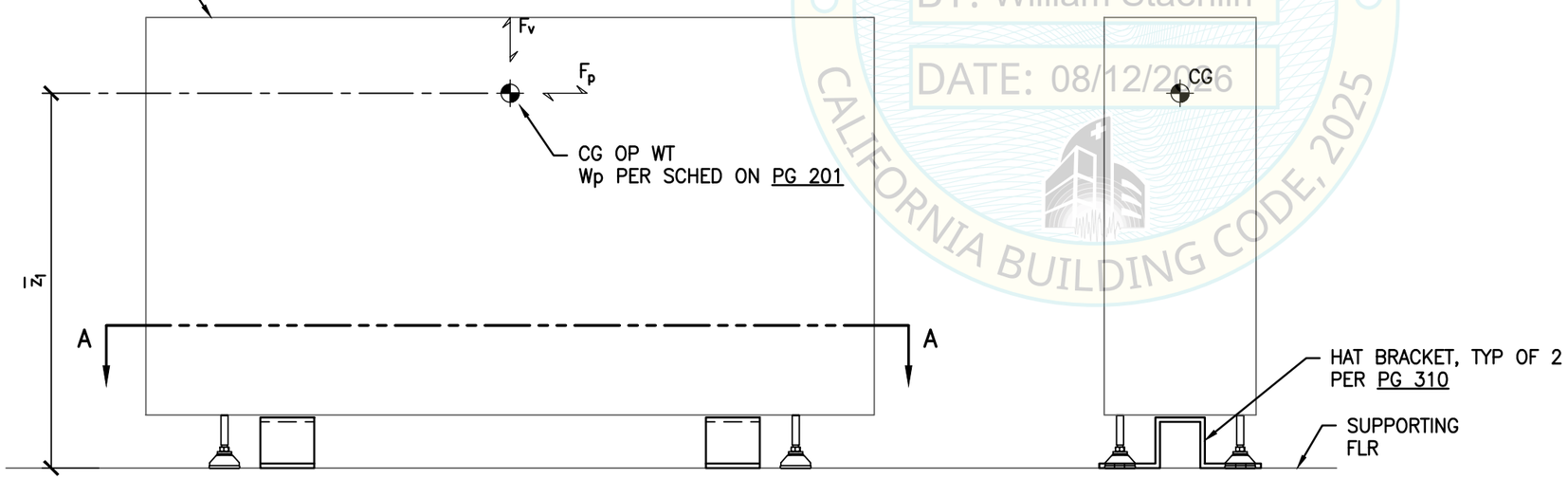
BASE PLAN VIEW A–A



	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	452#	504#	74#
CASE 2 [1]	250#	302#	42#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201



FRONT ELEV

RIGHT SIDE ELEV

REVIEWED FOR CODE COMPLIANCE
HCAi
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: FLOOR SUPPORTED TRACK: U-TURN DOUBLE BASE PLAN & ELEVATIONS

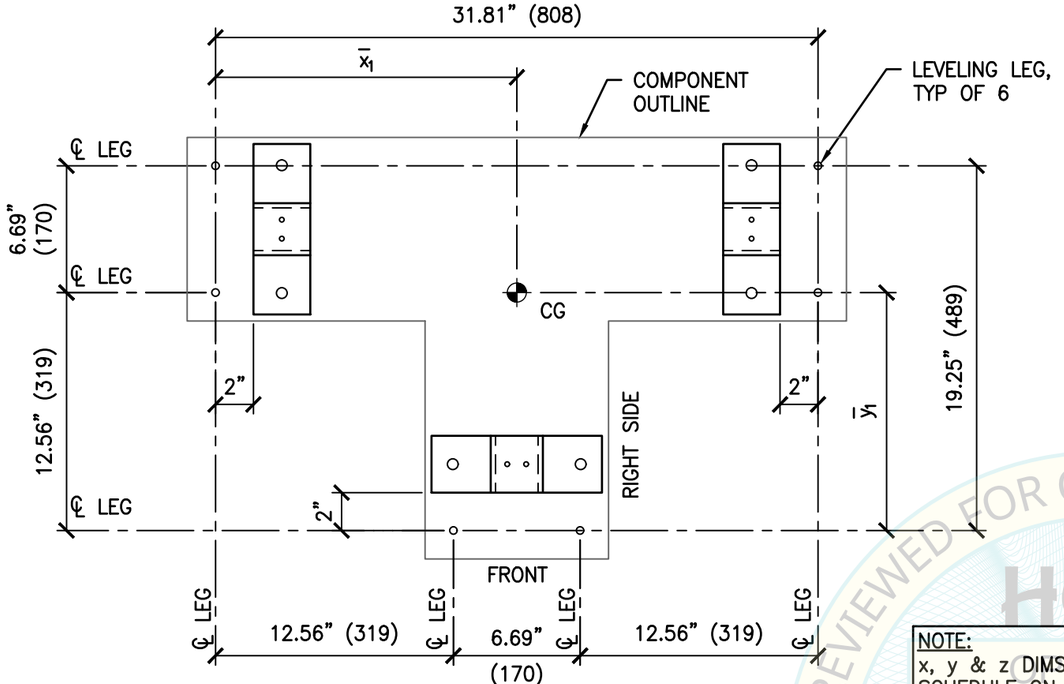
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

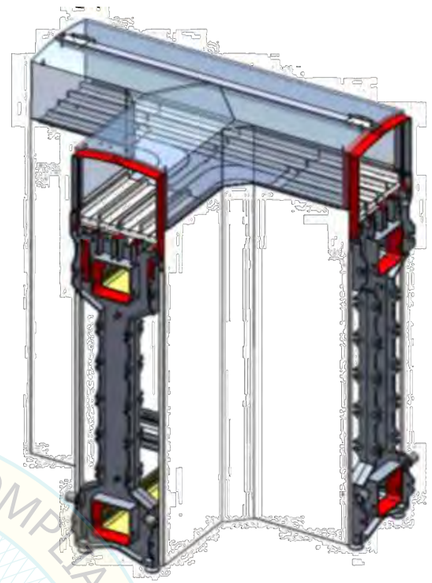
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.22

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:06pm Login:camachom Dimscale:1 LTScale:6



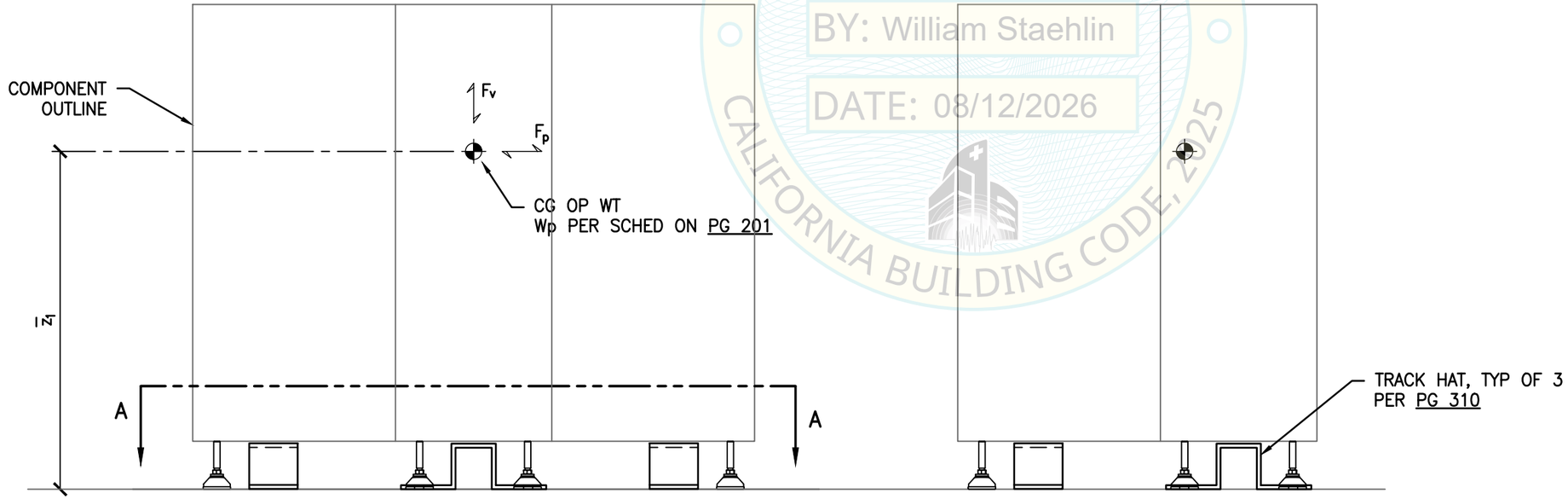
BASE PLAN VIEW A–A



NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	150#	183#	49#
CASE 2 [1]	83#	116#	28#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.



FRONT ELEV

RIGHT SIDE ELEV

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: FLOOR SUPPORTED TRACK: T-SECTION ACTIVE (NO LOOP)
BASE PLAN & ELEVATIONS

ABBOTT

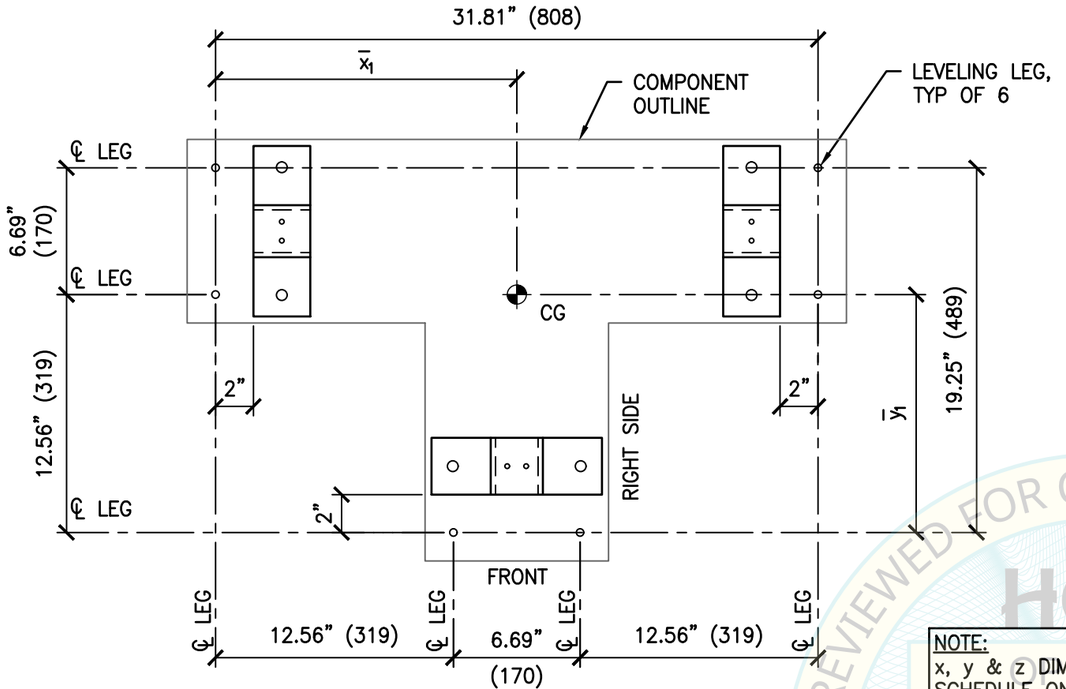
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

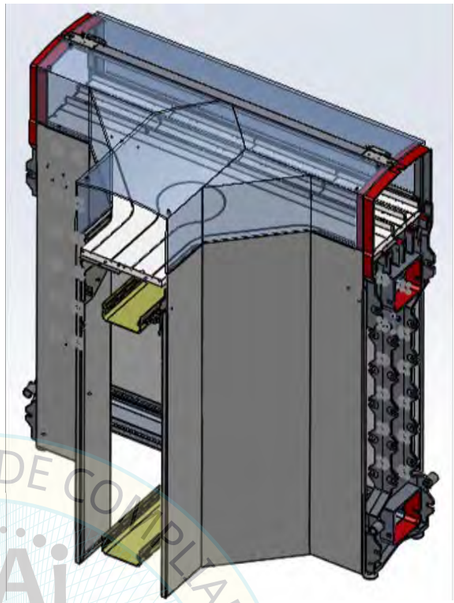
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.23

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:06pm Login:camachom Dimscale:1 LTScale:6



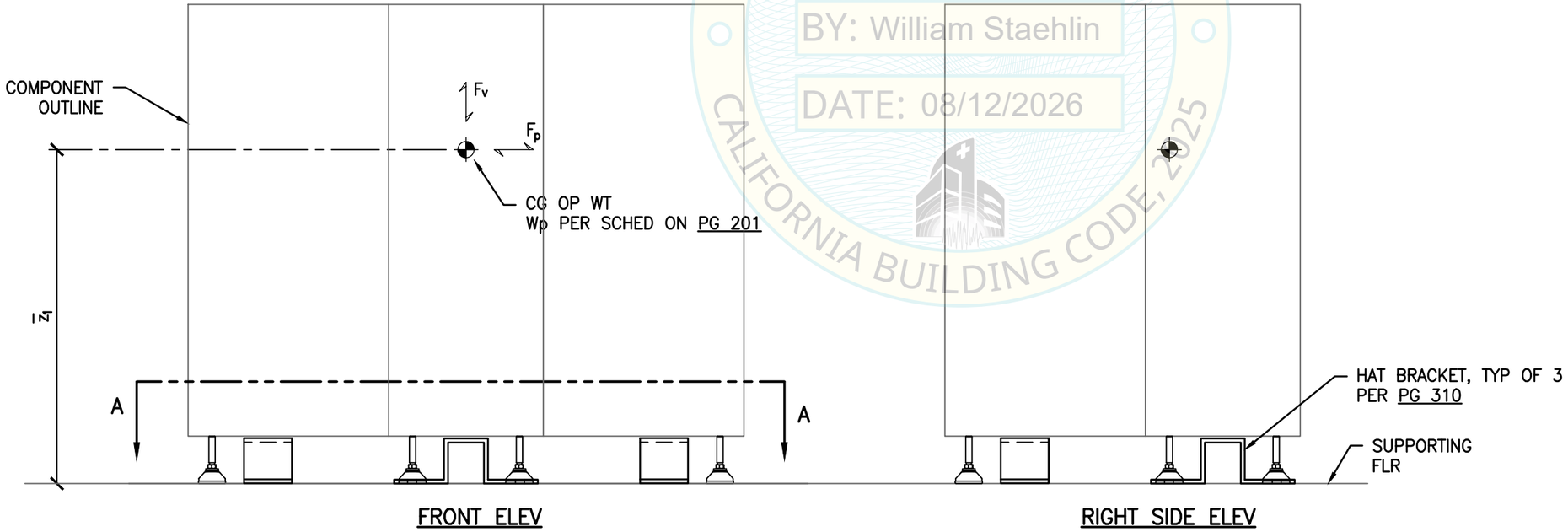
BASE PLAN VIEW A–A



NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	159#	192#	50#
CASE 2 [1]	88#	122#	28#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.



FRONT ELEV

RIGHT SIDE ELEV

REVIEWED FOR CODE COMPLIANCE
HCAi
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025



NOT SEOR

SHEET TITLE: FLOOR SUPPORTED TRACK: T-SECTION INACTIVE (PASSIVE, NO LOOP)
BASE PLAN & ELEVATIONS

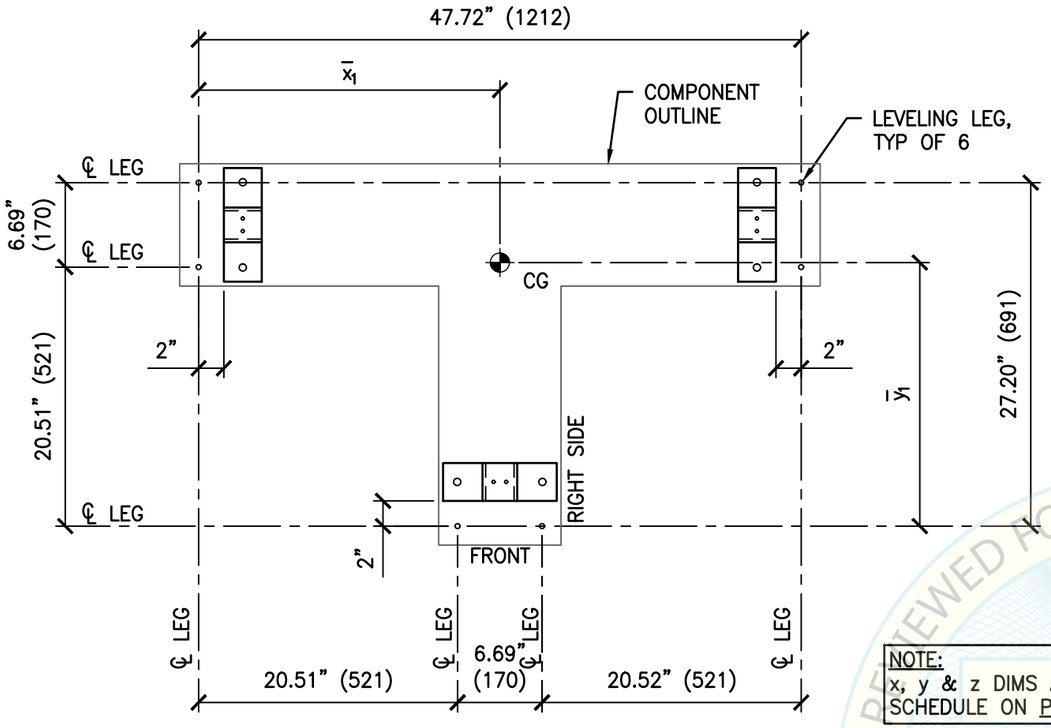
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

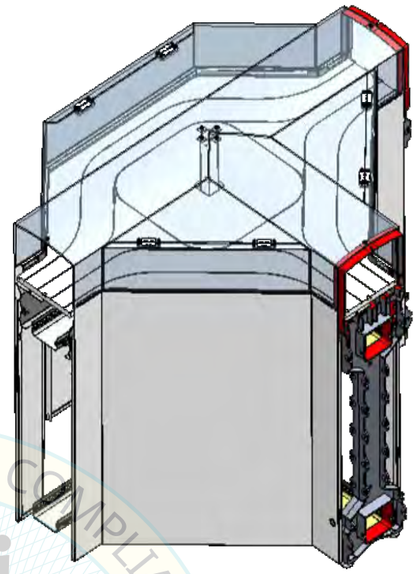
CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.24

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:06pm Login:camachom Dimscale:1 LTScale:6





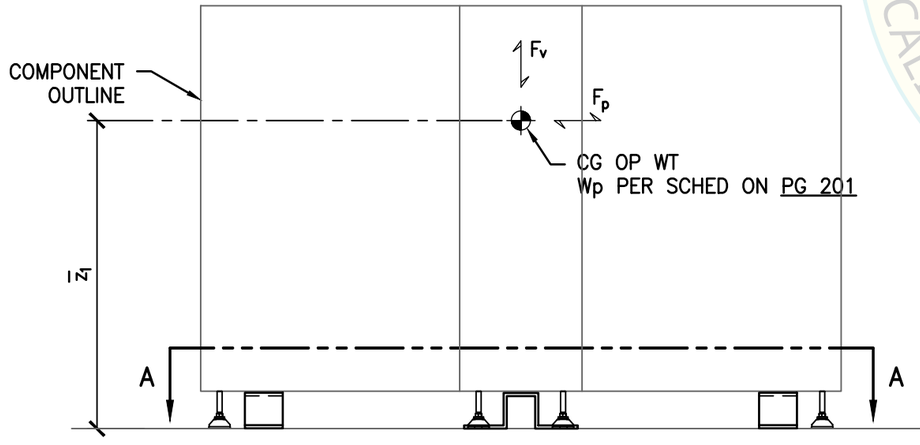
NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	251#	296#	104#
CASE 2 [1]	139#	197#	59#

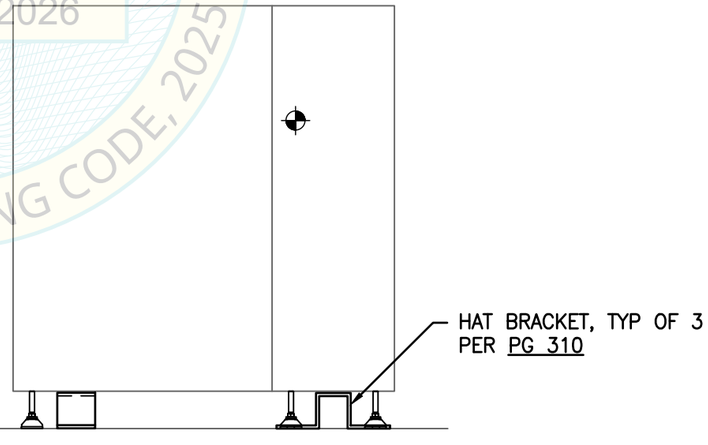
1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

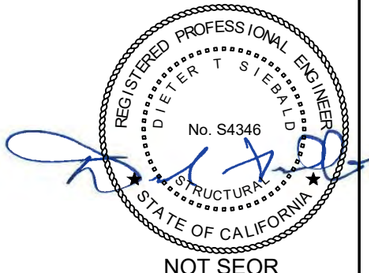
BASE PLAN VIEW A–A



FRONT ELEV



RIGHT SIDE ELEV



NOT SEOR

SHEET TITLE: FLOOR SUPPORTED TRACK: ROUNDABOUT - 3-WAY
BASE PLAN & ELEVATIONS

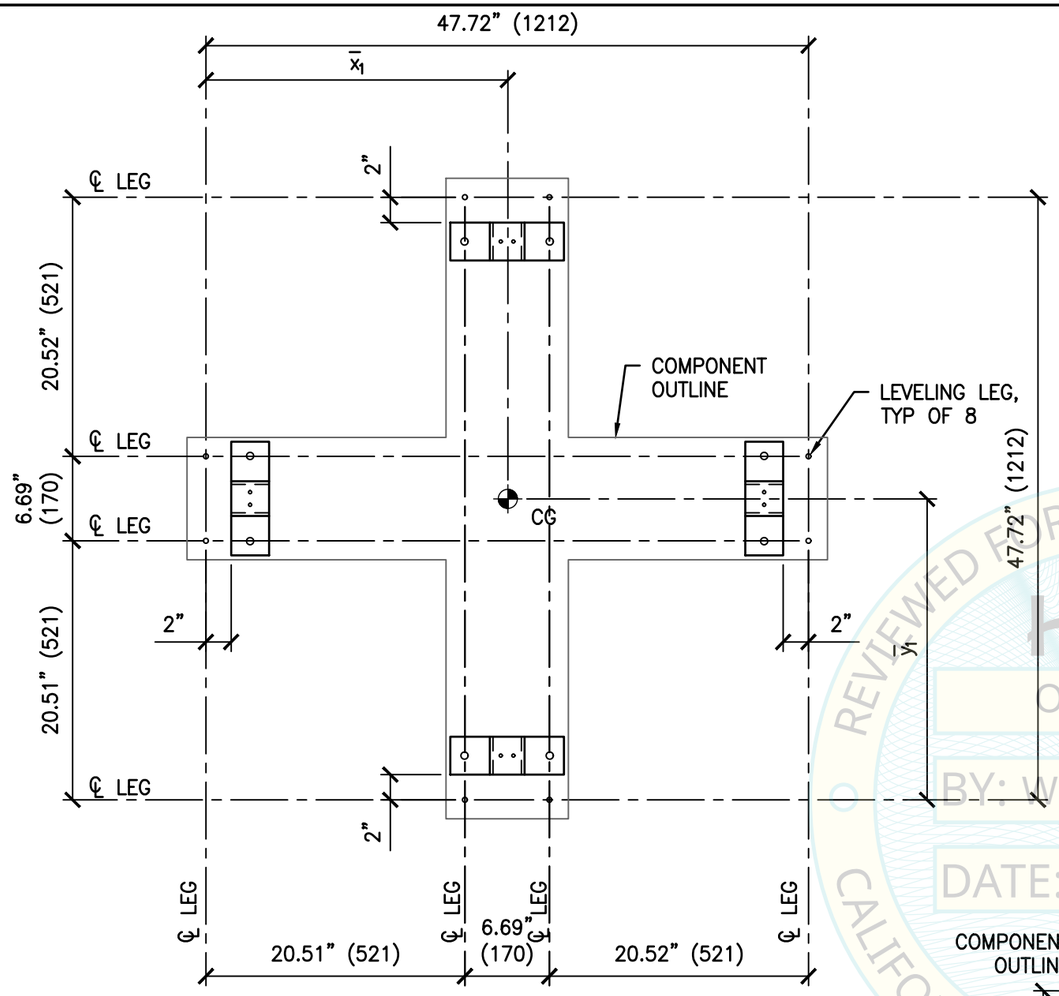
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.25

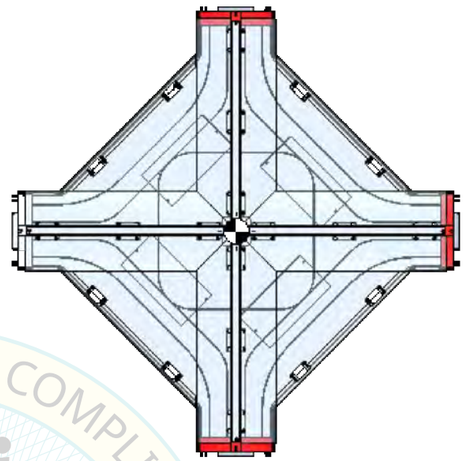
ABBOTT
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N TEL (916) 920-2020
SACRAMENTO, CA 95833 www.cyseng.com

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:06pm Login:camachom Dimscale:1 LTScale:6



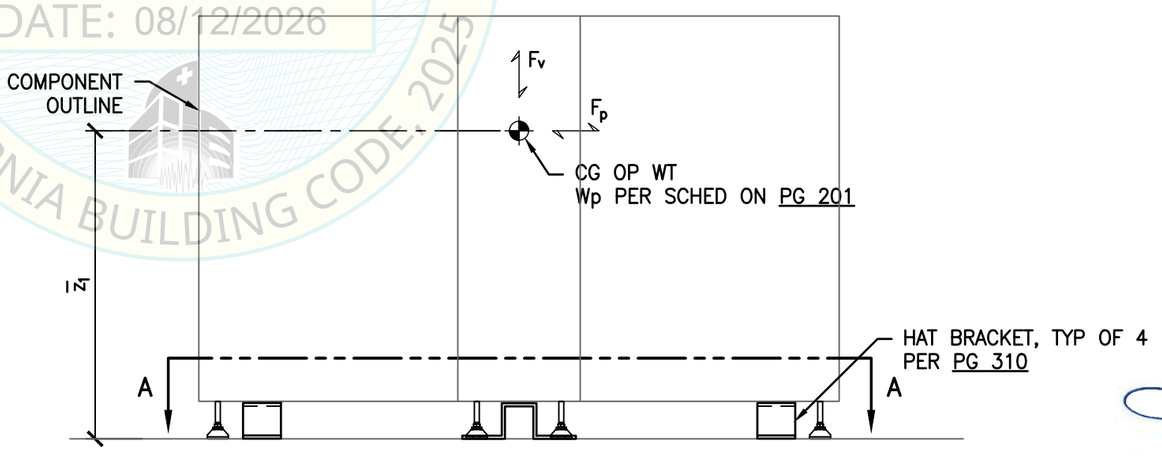
BASE PLAN VIEW A–A



	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	151#	206#	79#
CASE 2 [1]	81#	136#	44#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE 2025



TYP ELEV

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: FLOOR SUPPORTED TRACK: ROUNDABOUT - 4-WAY
BASE PLAN & ELEVATION

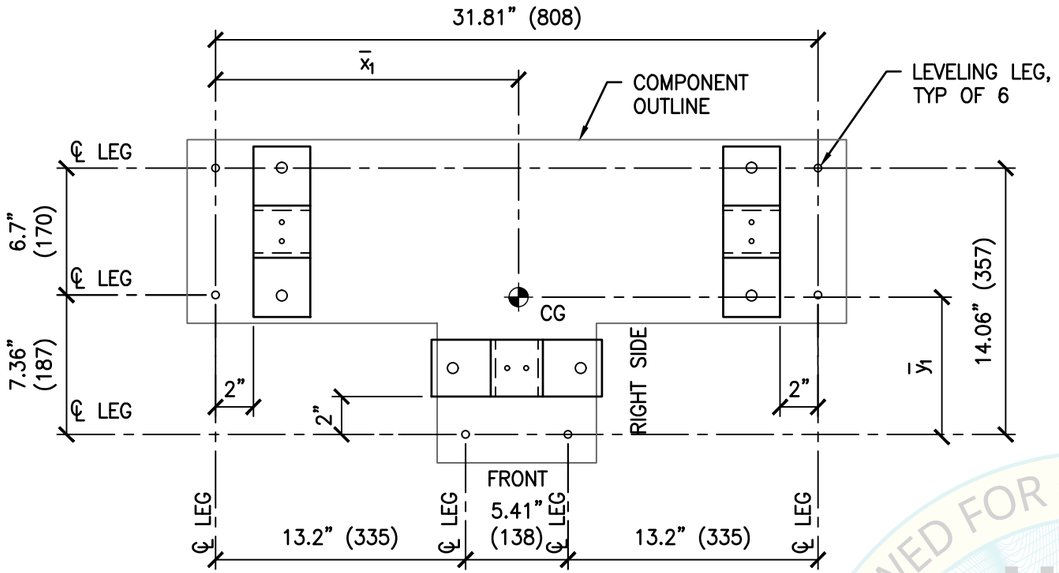
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.26

ABBOTT
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

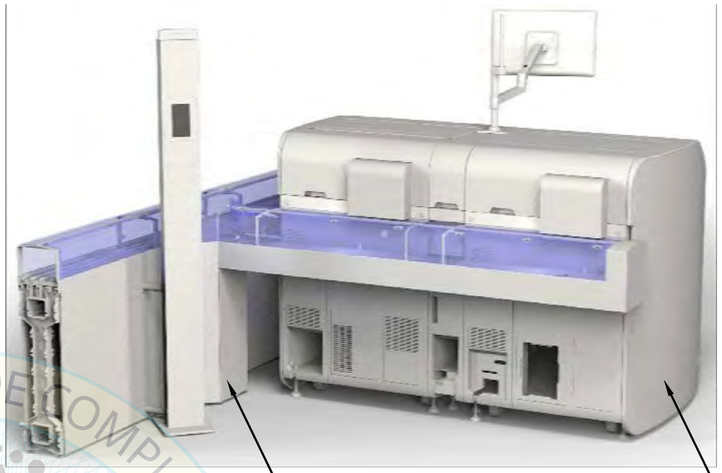
CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:06pm Login:camachom Dimscale:1 LTScale:6



	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	399#	467#	88#
CASE 2 [1]	219#	285#	49#

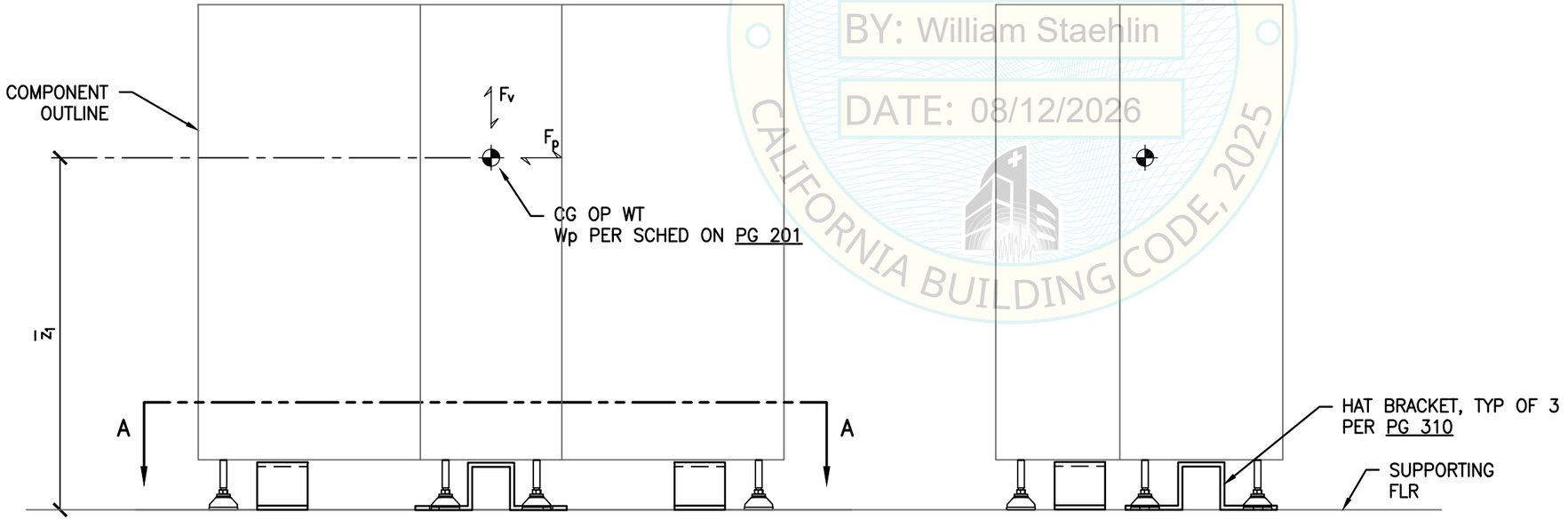
1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.



SAL ALINITY ci T–RIGHT (AICi)

ALINITY c, ALINITY i & ALINITY SCM (NOT PART OF THIS OPM)

BASE PLAN VIEW A–A



FRONT ELEV

RIGHT SIDE ELEV

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

SHEET TITLE: ANALYZER INTERFACES: SAL ALINITY ci T-RIGHT (Alci)
BASE PLAN & ELEVATIONS

ABBOTT

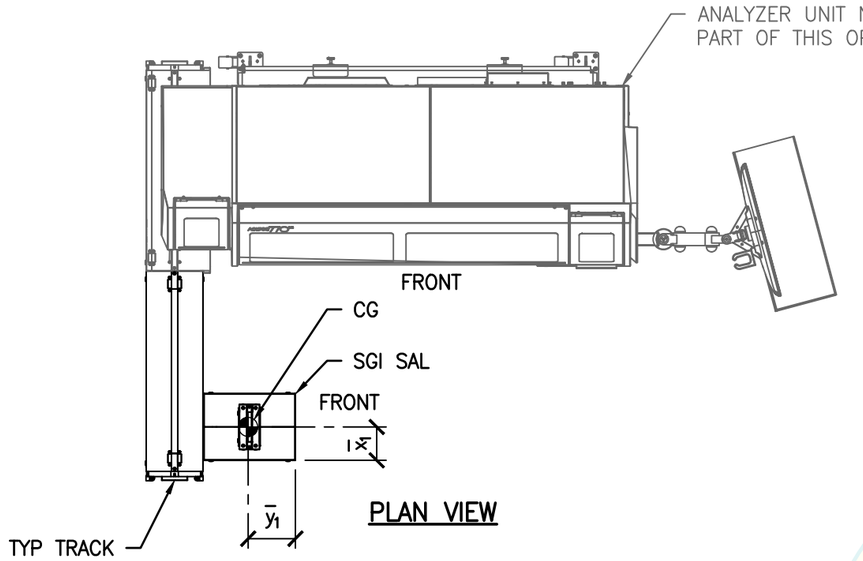
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

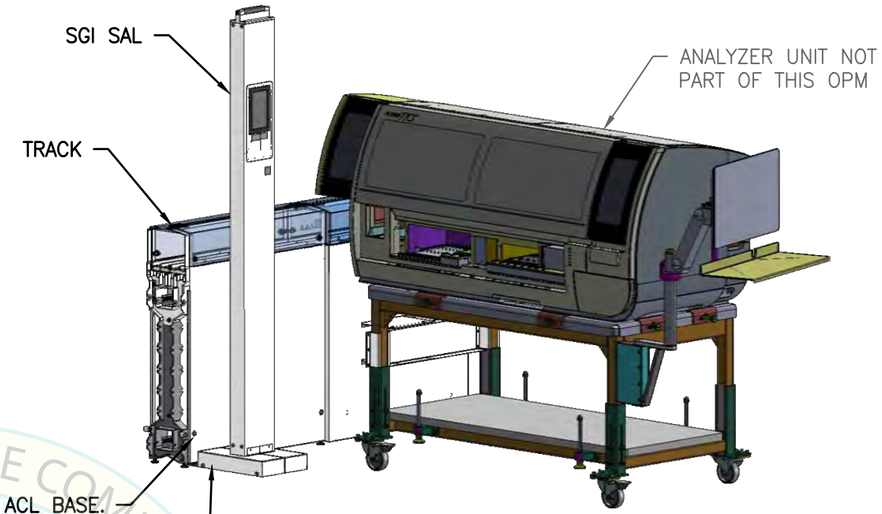
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.27

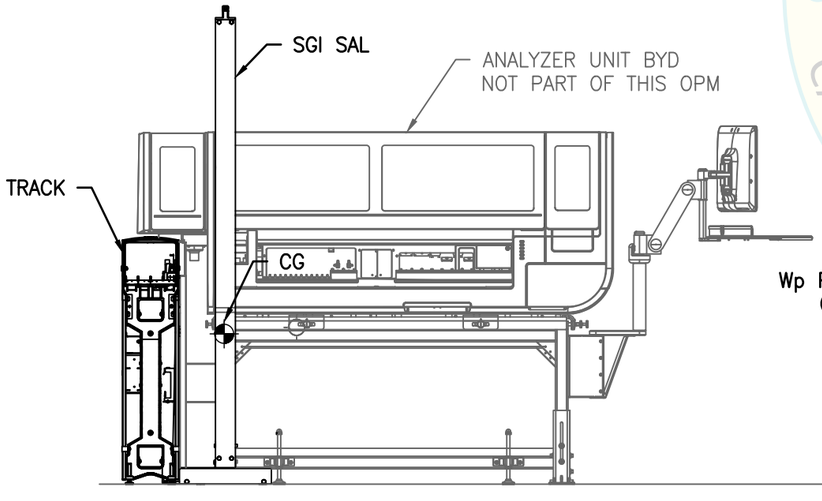
C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:06pm Login:camachom Dimscale:1 LTScale:6



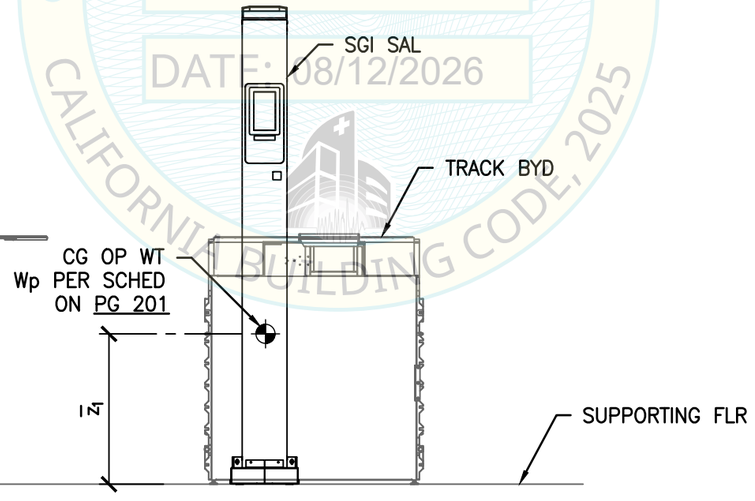
PLAN VIEW



ISOMETRIC VIEW



LEFT ELEV



FRONT ELEV

NOTES:
1. FOR CONN DTLS, REFER TO PGS 210.28A – 210.28B.
2. x, y & z DIMS ARE PER SCHEDULE ON PG 201.

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

SHEET TITLE: ANALYZER INTERFACES: SGI SAL BASE PLAN & ELEVATIONS

ABBOTT

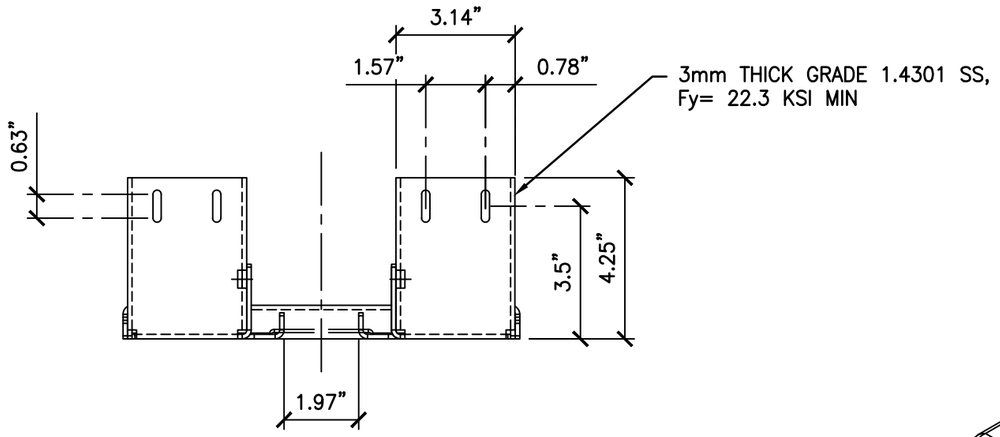
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N TEL (916) 920-2020
SACRAMENTO, CA 95833 www.cyseng.com

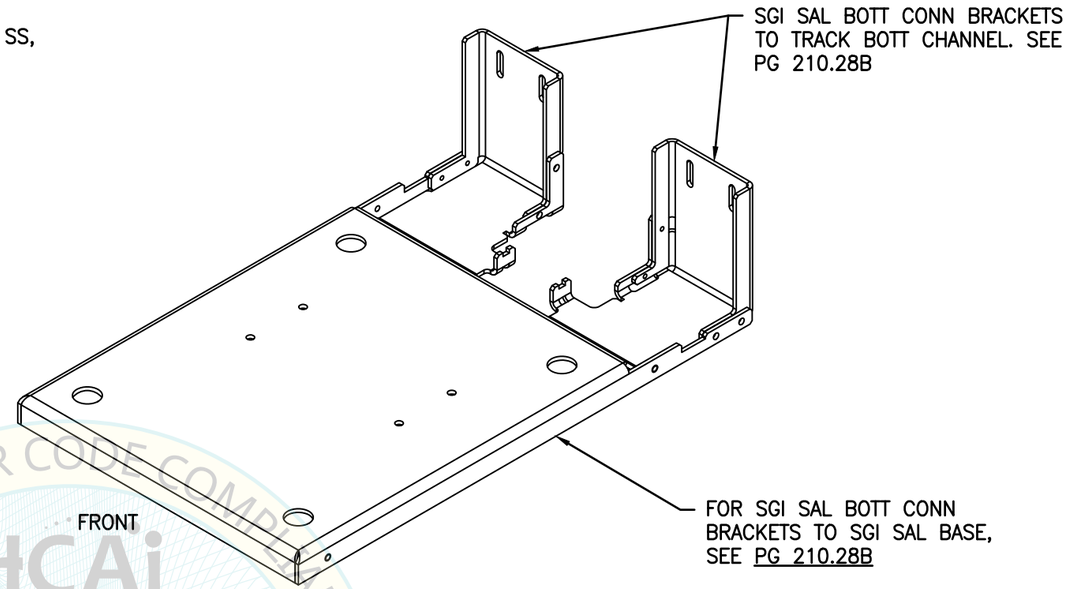
Rev	Description	Date

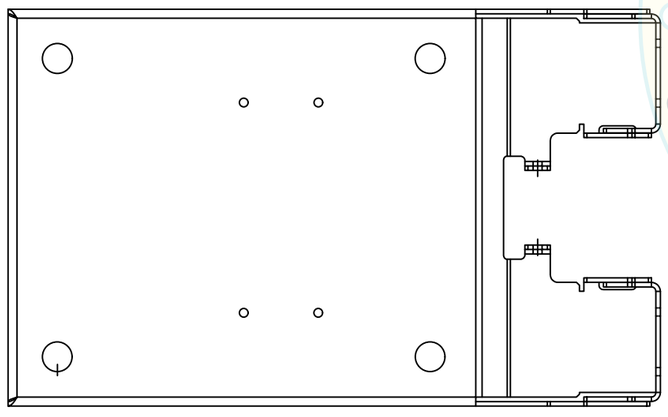
Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.28

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:06pm Login:camachom Dimscale:1 LTScale:6



BOTT BRACKET ELEV





PLAN VIEW

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: ANALYZER INTERFACE:
SGI SAL BASE

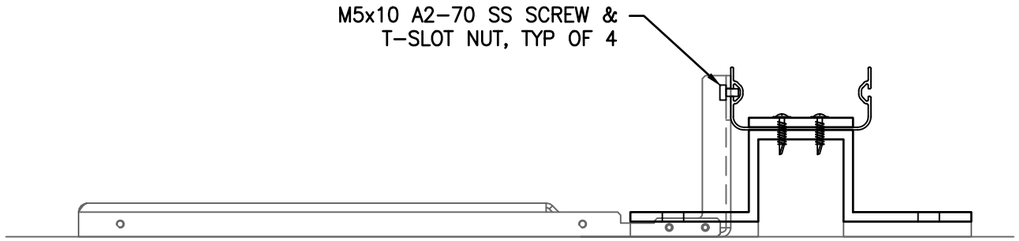
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

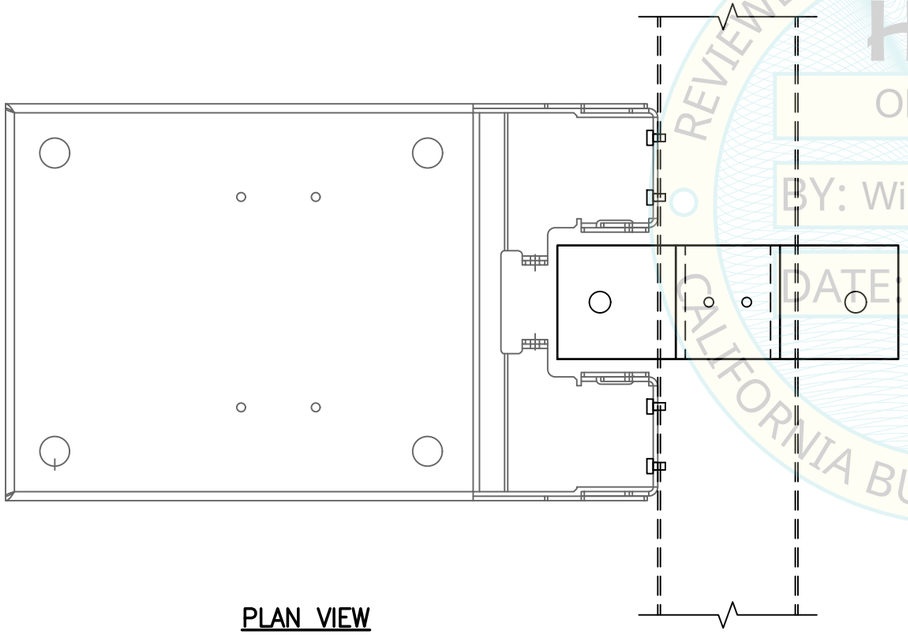
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.28A

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:06pm Login:camachom Dimscale:1 LTScale:6



ELEV VIEW



PLAN VIEW

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: ANALYZER INTERFACES: SGI SAL
BOTTOM CONNECTION TO SGI SAL BASE

ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

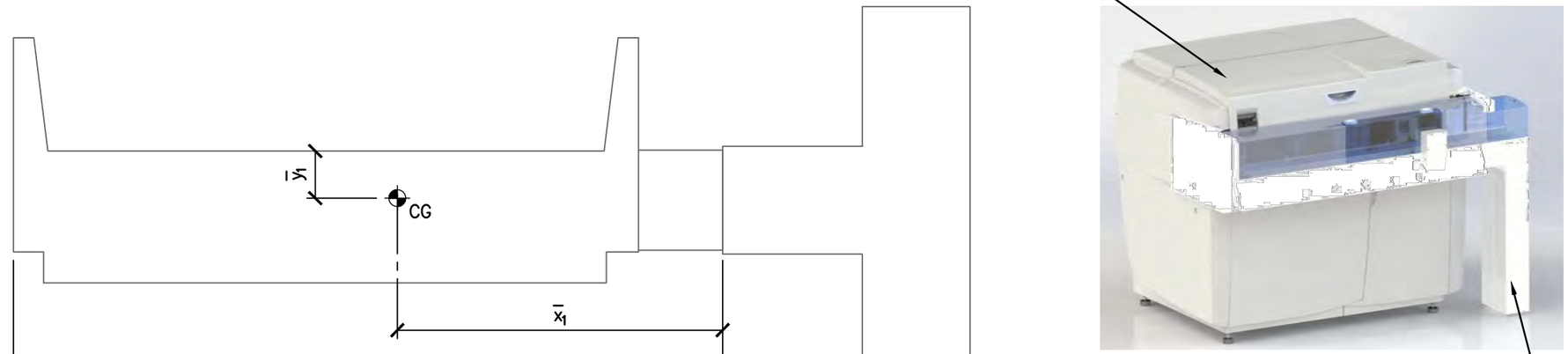
CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.28B

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:06pm Login:camachom Dimscale:1 LTScale:6

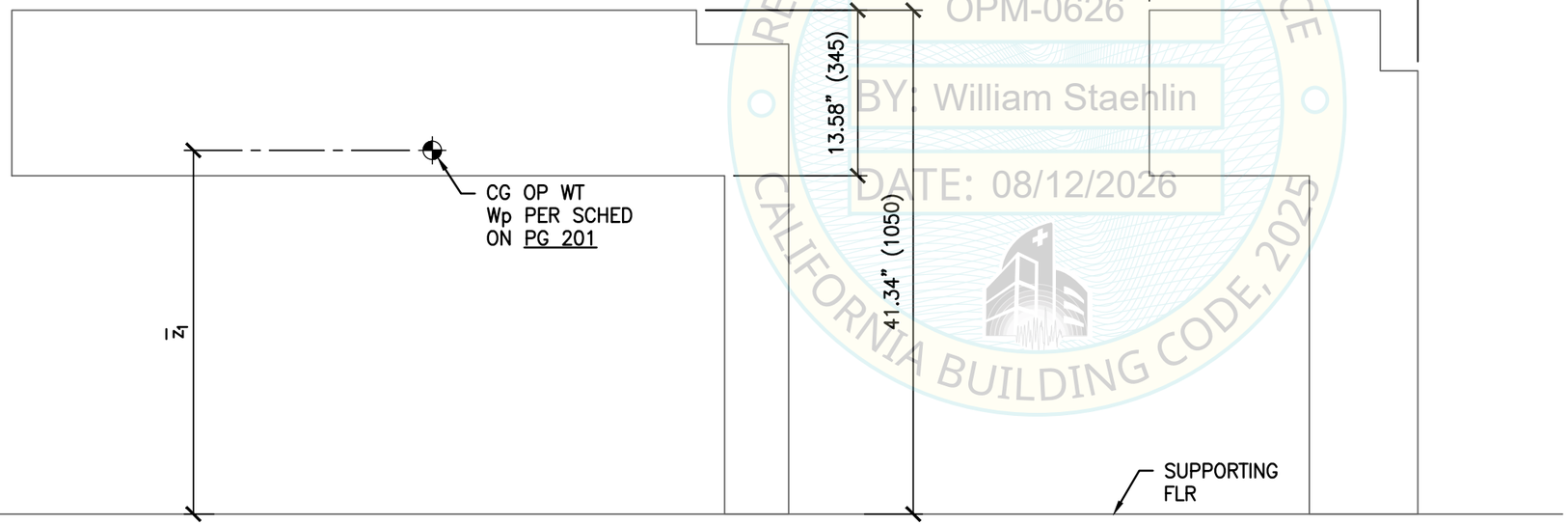
SAL ARCHITECT i2000SR
ANALYZER (NOT PART OF OPM)



PLAN VIEW

T-SECTION INACTIVE
(PASSIVE, NO LOOP)
SEE PG 210.24

SAL ARCHITECT i2000SR (i2SR)



REAR ELEV

SIDE ELEV

NOTES:
1. FOR CONN DTLS, REFER TO PGS 210.29A – 210.29E.
2. x, y & z DIMS ARE PER SCHEDULE ON PG 201.

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

SHEET TITLE: ANALYZER INTERFACES: SAL ARCHITECT i2000SR (i2SR)
BASE PLAN & ELEVATIONS

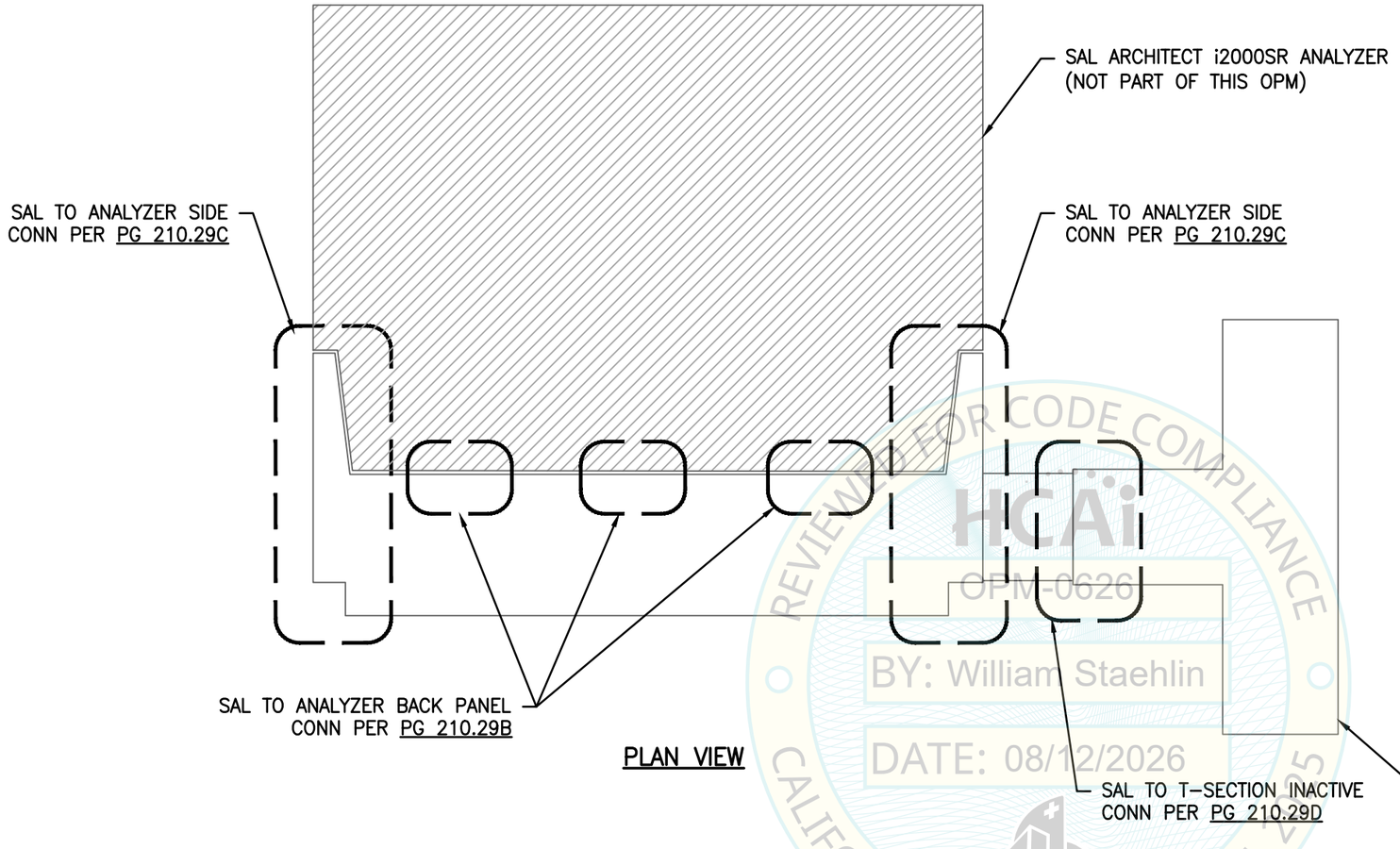
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.29

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:06pm Login:camachom Dimscale:1 LTScale:6



PLAN VIEW

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: ANALYZER INTERFACES: SAL ARCHITECT i2000SR (i2SR)
SAL TO ANALYZER CONNECTION

ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

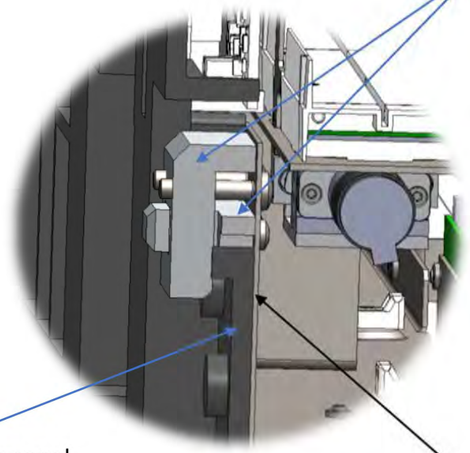
CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

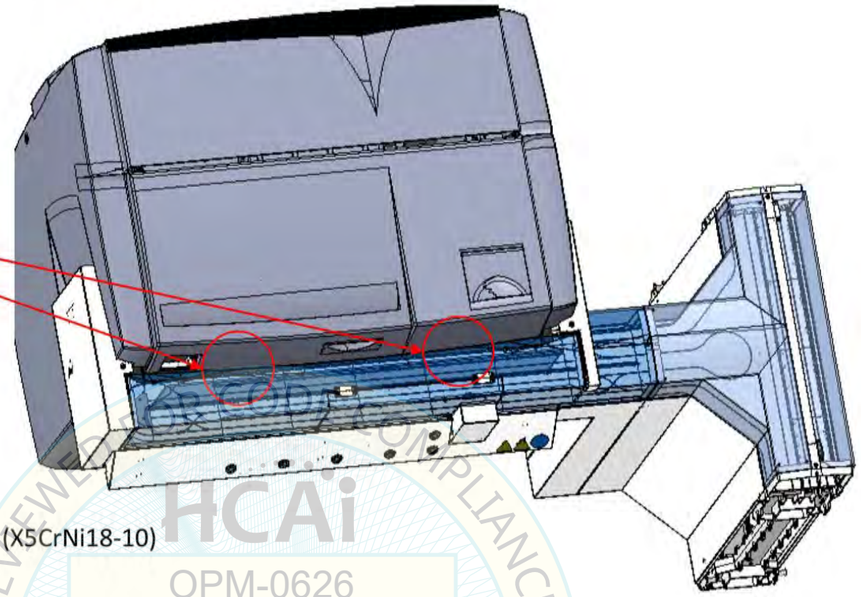
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.29A

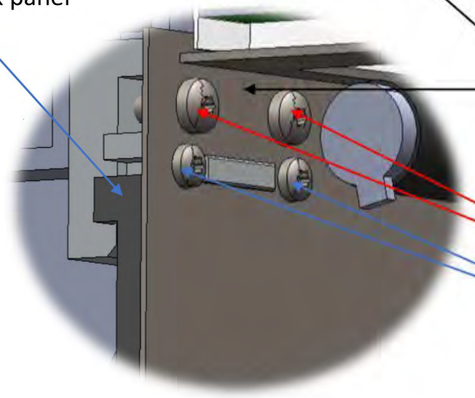
C:\Users\camachorn\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:06pm Login:camachorn Dimscale:1 LTScale:6

SAL is hung up and clamped:
clamp connection, material both parts: 3.3547 EN-AW 5083 (AlMg4,5Mn)





analyser back panel

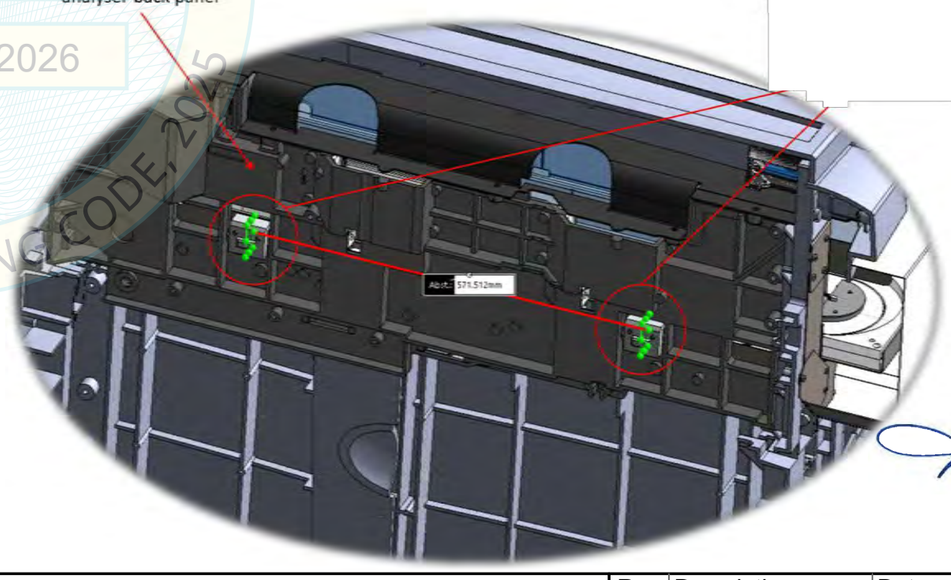


stainless steel,
material: 1.4301 (X5CrNi18-10)

2x screw DIN 7985 M6x30-A2 TX

2x screw DIN 7985 M5x6A2 TX

analyser back panel



HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
REVIEWED FOR CODE COMPLIANCE
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: ANALYZER INTERFACES: SAL ARCHITECT i2000SR (i2SR)
SAL TO ANALYZER BACK PANEL CONNECTION

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.29B

ABBOTT

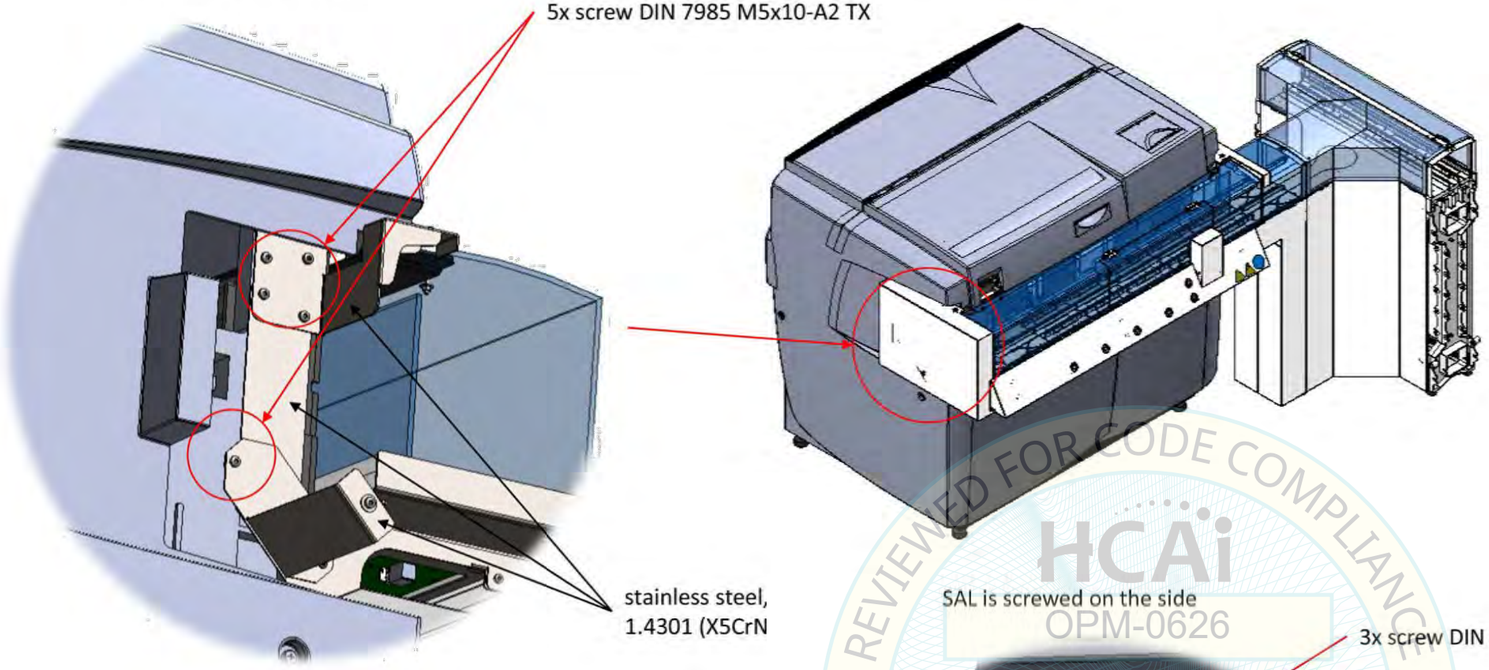
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N TEL (916) 920-2020
SACRAMENTO, CA 95833 www.cyseng.com

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026--12:06pm Login:camachom Dimscale:1 LTScale:6

SAL is screwed on the side

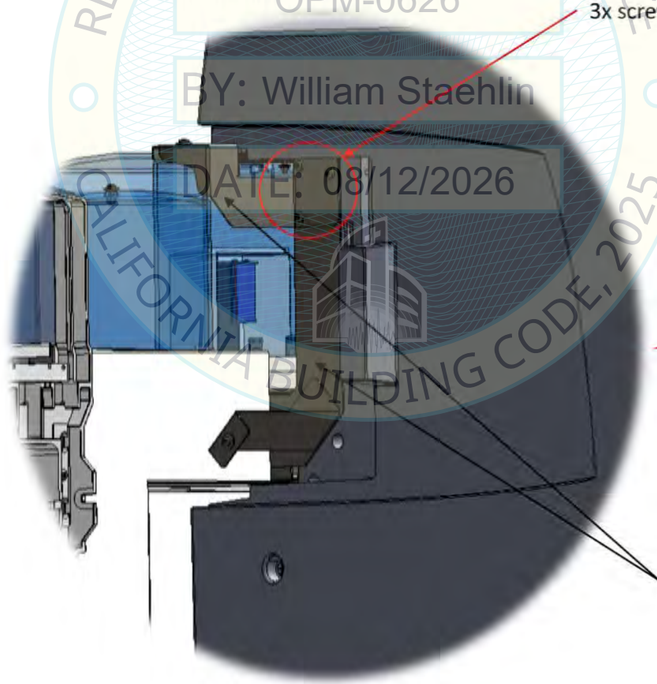
5x screw DIN 7985 M5x10-A2 TX



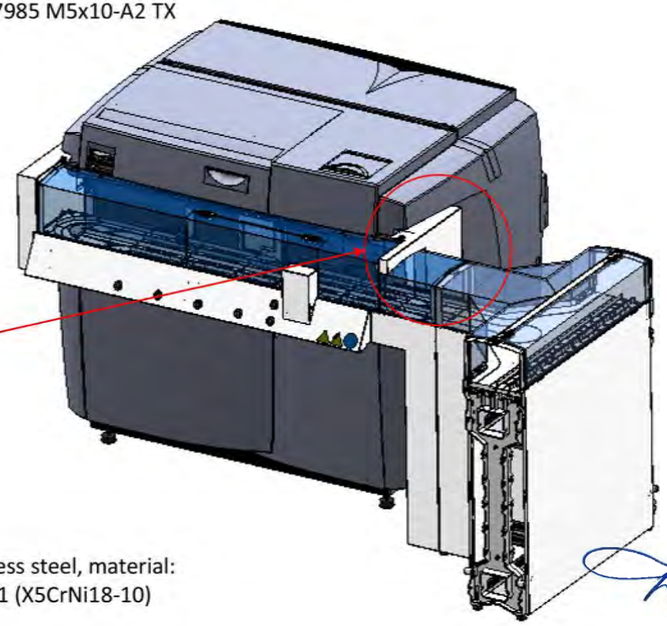
stainless steel,
1.4301 (X5CrN

SAL is screwed on the side

3x screw DIN 7985 M5x10-A2 TX



stainless steel, material:
1.4301 (X5CrNi18-10)



REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: ANALYZER INTERFACES: SAL ARCHITECT i2000SR (i2SR)
SAL TO ANALYZER SIDE PANEL CONNECTION

ABBOTT

ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

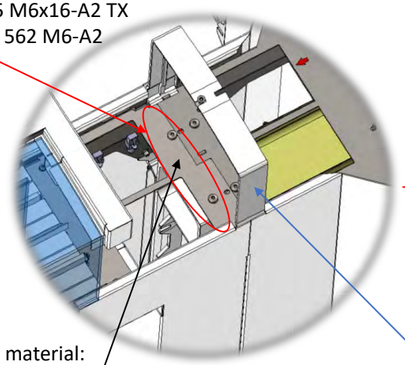
CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N TEL (916) 920-2020
SACRAMENTO, CA 95833 www.cyseng.com

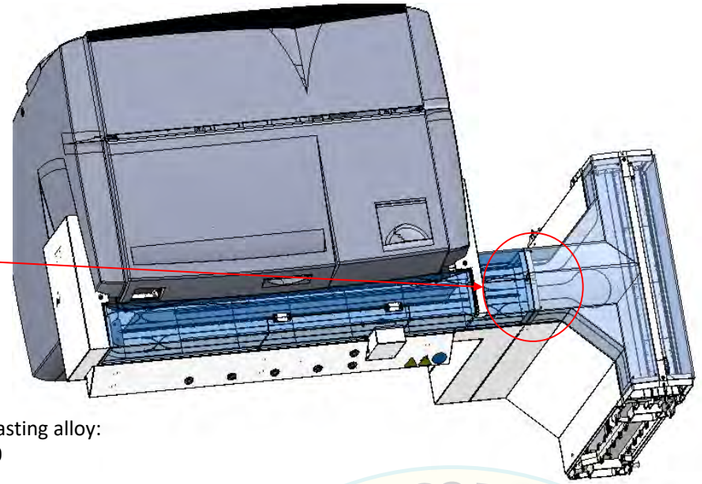
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.29C

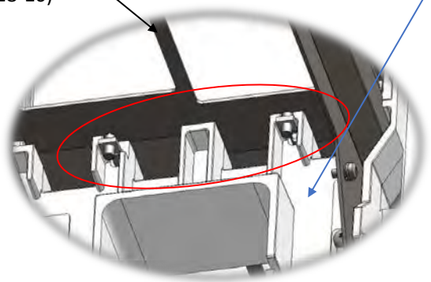
C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026 - 12:06pm Login:camachom Dimscale:1 LTScale:6

2x screw DIN 7985 M6x16-A2 TX
2x square nut DIN 562 M6-A2



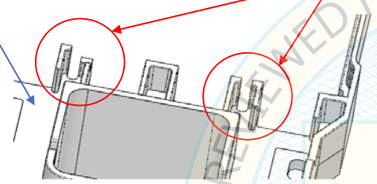


stainless steel, material:
1.4301 (X5CrNi18-10)



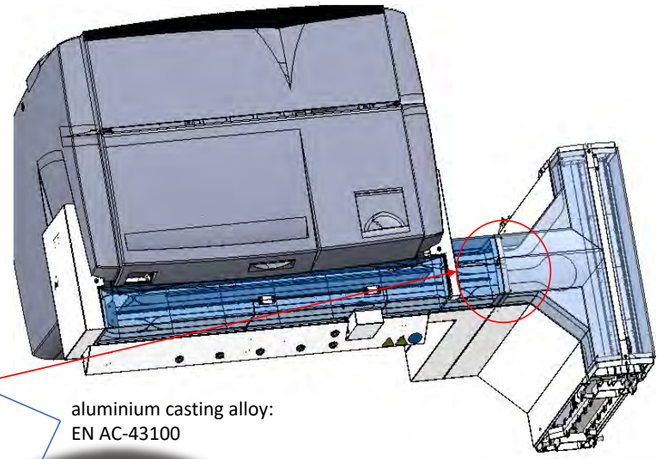
aluminium casting alloy:
EN AC-43100

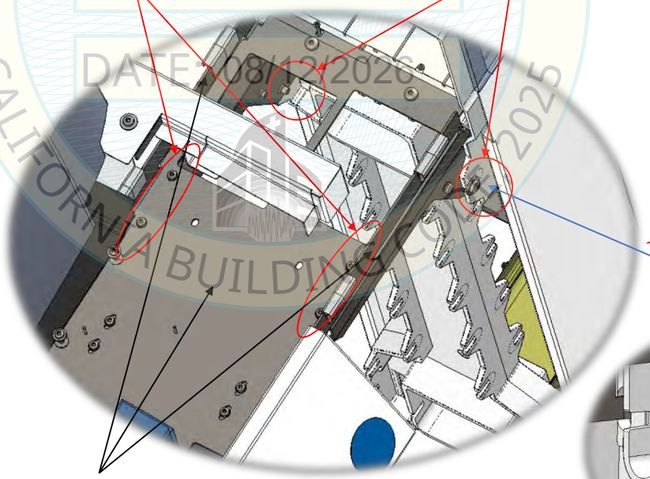
slits in the foot



4x screw DIN 7985 M4x6-A2 TX
4x washer DIN 125 A4.3-A2

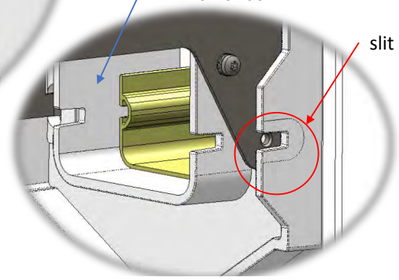
2x screw DIN 7985 M6x16-A2 TX
2x washer DIN 9021 6,4-A2





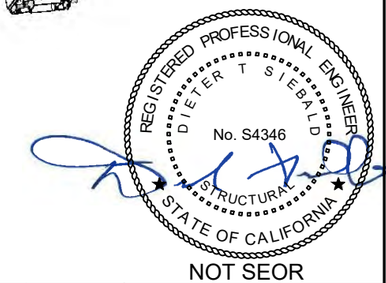
aluminium casting alloy:
EN AC-43100

slit in the foot



stainless steel, material:
1.4301 (X5CrNi18-10)

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE 2025



NOT SEOR

SHEET TITLE: ANALYZER INTERFACES: SAL ARCHITECT i2000SR (i2SR)
SAL TO T-SECTION INACTIVE CONNECTION

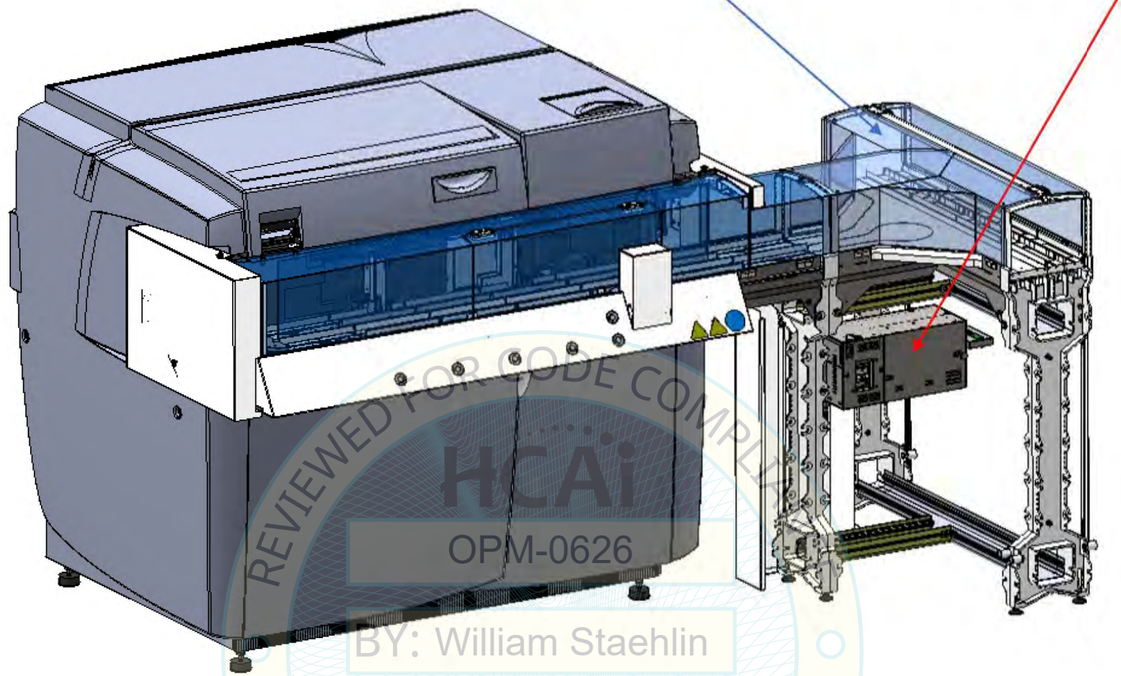
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

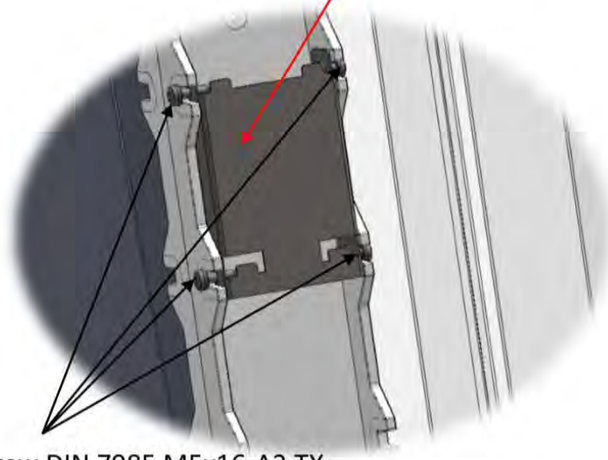
CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.29D

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026 - 12:06pm Login:camachom Dimscale:1 LTScale:6





4x screw DIN 7985 M5x16-A2 TX
4x lock washer DIN 6798 5.3-A2 Form A
4x washer DIN 125 A5.3-A2

Note: „section T element passive“ is not part of the SAL Architect i2000sr

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: ANALYZER INTERFACES: SAL ARCHITECT i2000SR (i2SR)
SAL POWER SUPPLY CONNECTION

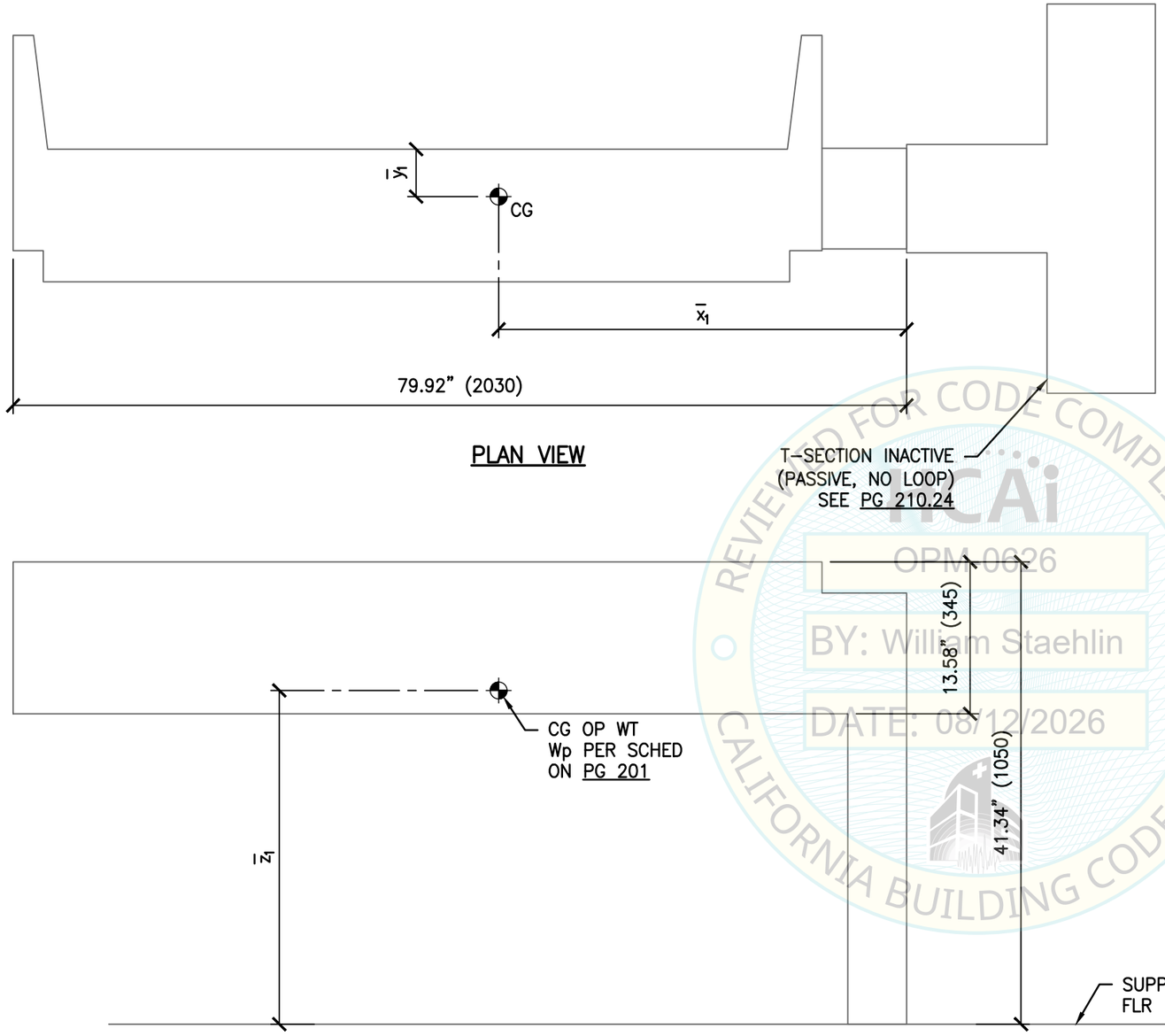
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.29E

ABBOTT
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N TEL (916) 920-2020
SACRAMENTO, CA 95833 www.cyseng.com

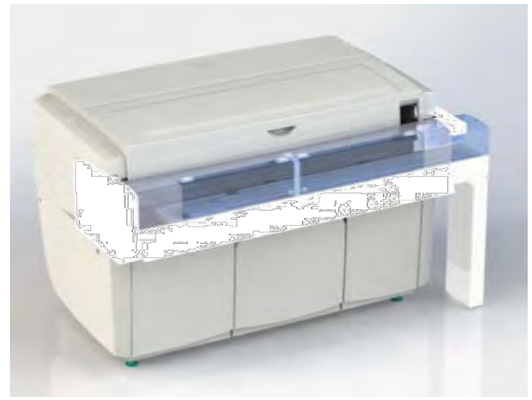
C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026--12:06pm Login:camachom Dimscale:1 LTScale:6



PLAN VIEW

REAR ELEV

SIDE ELEV



NOTES:
1. FOR CONN DTLS, REFER TO PGS 210.29A – 210.29E.
2. x, y & z DIMS ARE PER SCHEDULE ON PG 201.

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

REVIEWED FOR CODE COMPLIANCE
CALIFORNIA BUILDING CODE, 2025
IAPMO UMC
OPM-0626
BY: William Staehlin
DATE: 08/12/2026

SHEET TITLE: ANALYZER INTERFACES: SAL ARCHITECT c16000 (c16)
BASE PLAN & ELEVATIONS

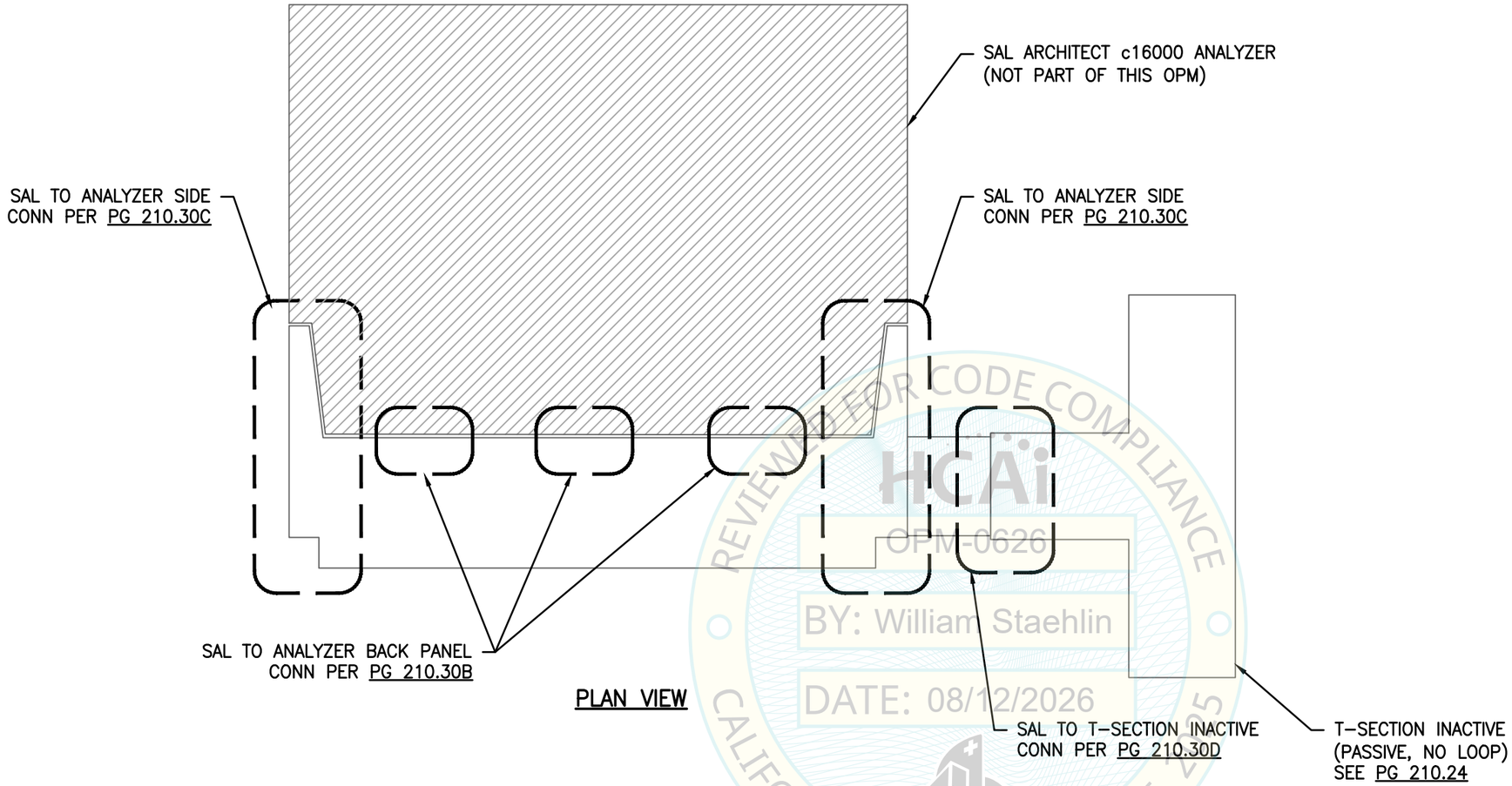
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.30

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:06pm Login:camachom Dimscale:1 LTScale:6



PLAN VIEW

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: ANALYZER INTERFACES: SAL ARCHITECT c16000 (c16)
SAL TO ANALYZER CONNECTION

ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

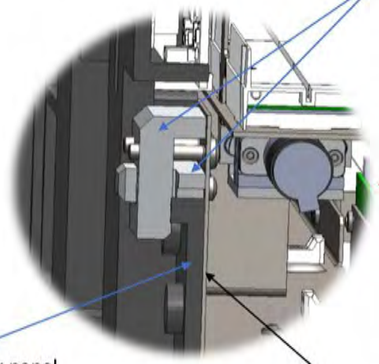
CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

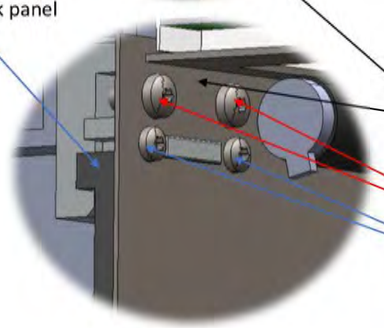
Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.30A

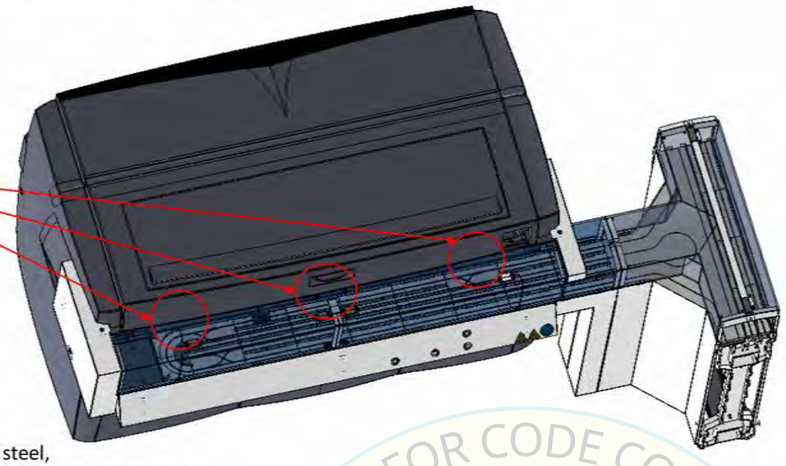
C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:06pm Login:camachom Dimscale:1 LTScale:6

SAL is hung up and clamped:
clamp connection, material both parts: 3.3547 EN-AW 5083 (AlMg4,5Mn)



analyser back panel



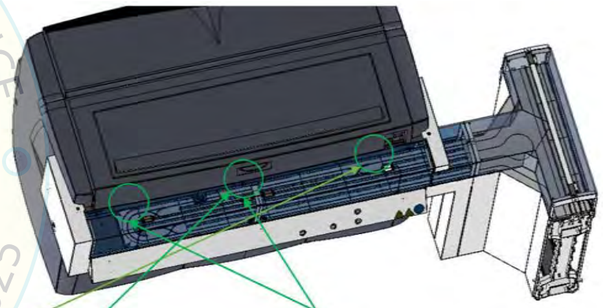


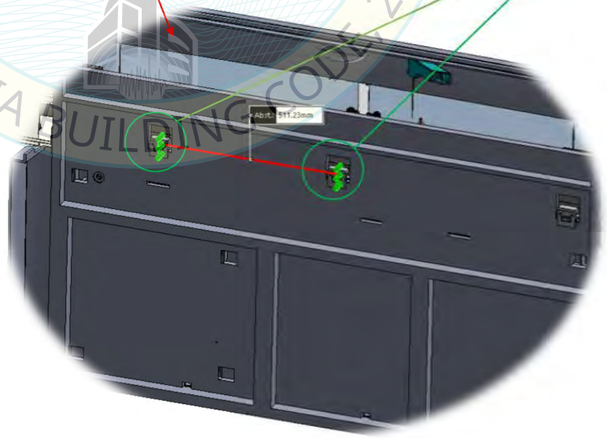
stainless steel,
material: 1.4301 (X5CrNi18-10)

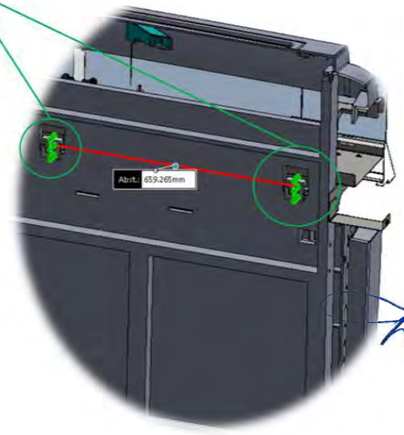
2x screw DIN 7985 M6x30-A2 TX

2x screw DIN 7985 M5x6A2 TX

analyser back panel







REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: ANALYZER INTERFACES: SAL ARCHITECT c16000 (c16)
SAL TO ANALYZER BACK PANEL CONNECTION

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.30B

ABBOTT

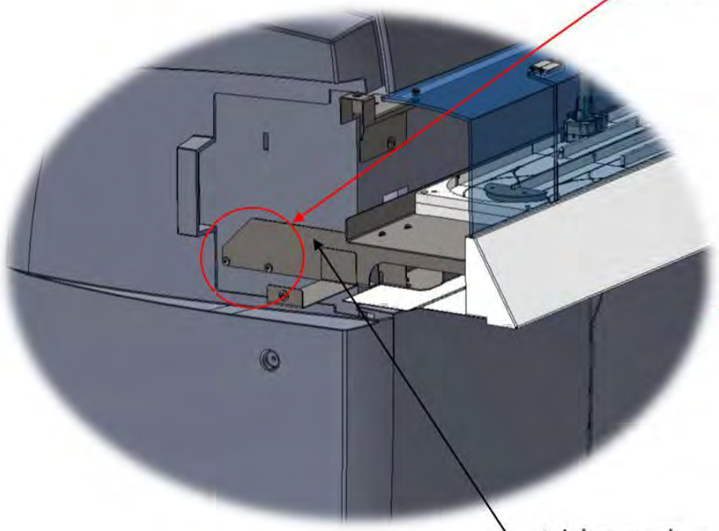
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N TEL (916) 920-2020
SACRAMENTO, CA 95833 www.cyseng.com

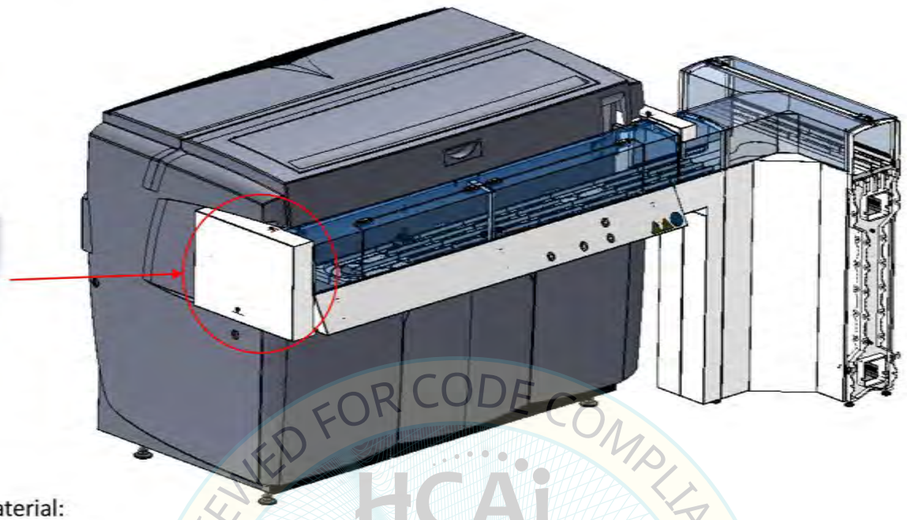
C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026--12:06pm Login:camachom Dimscale:1 LTScale:6

SAL is screwed on the side

2x screw DIN 7985 M6x10-A2 TX

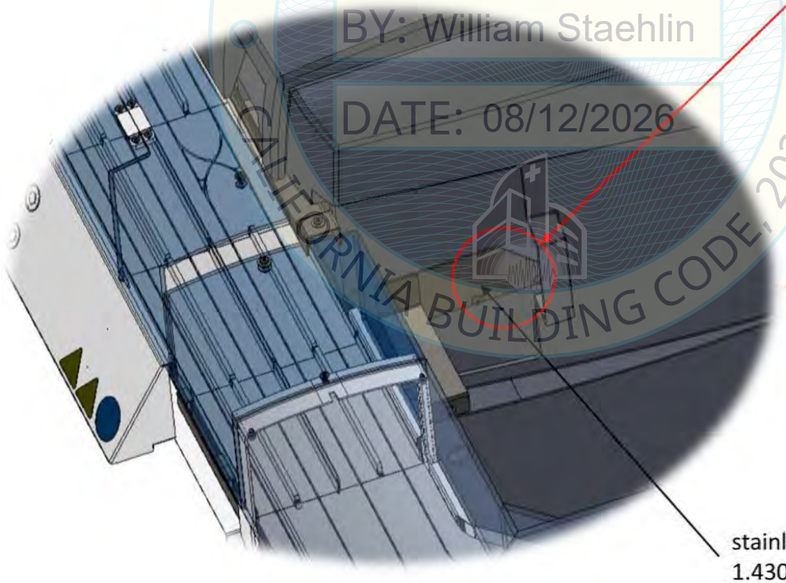


stainless steel, material:
1.4301 (X5

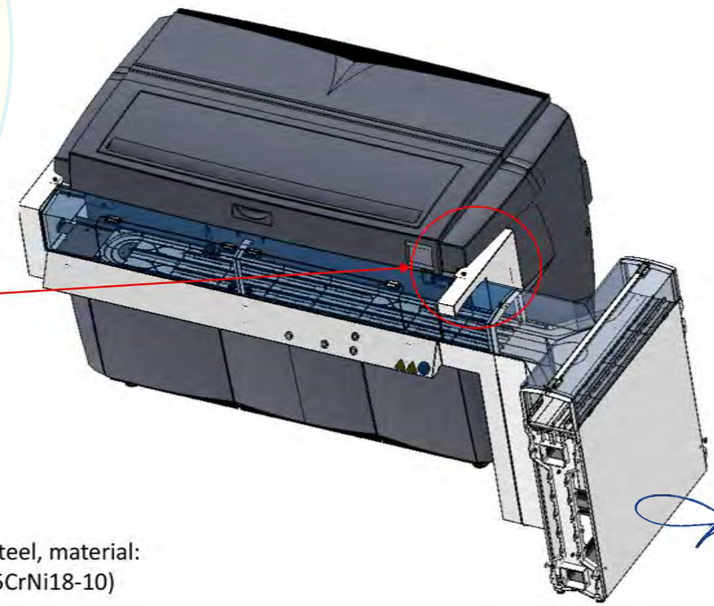


SAL is screwed on the side

2x screw DIN 7985 M5x10-A2 TX



stainless steel, material:
1.4301 (X5CrNi18-10)



REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: ANALYZER INTERFACES: SAL ARCHITECT c16000 (c16)
SAL TO ANALYZER SIDE PANEL CONNECTION

ABBOTT

ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

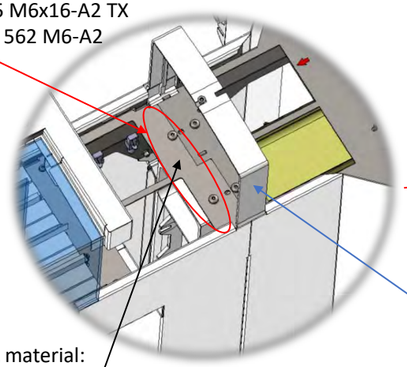
CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

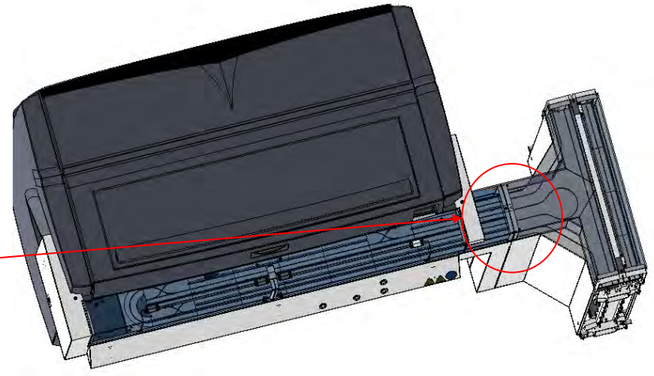
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.30C

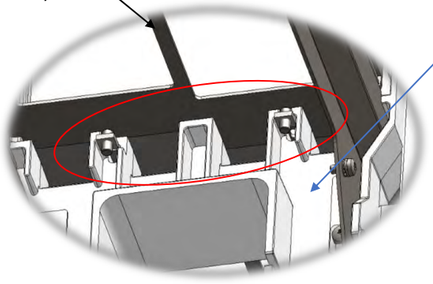
C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:06pm Login:camachom Dimscale:1 LTScale:6

2x screw DIN 7985 M6x16-A2 TX
2x square nut DIN 562 M6-A2



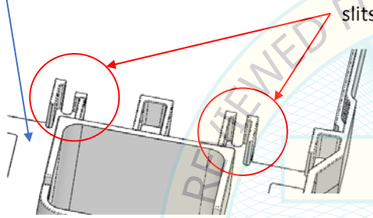


stainless steel, material:
1.4301 (X5CrNi18-10)



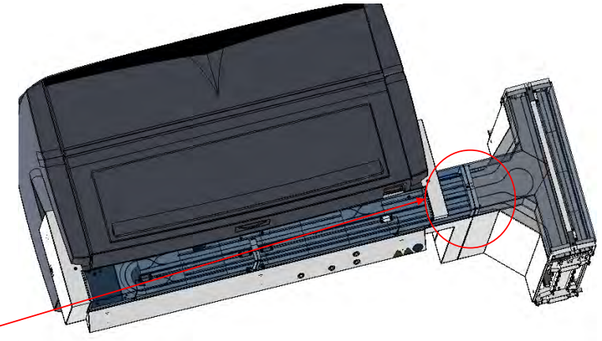
aluminium casting alloy:
EN AC-43100

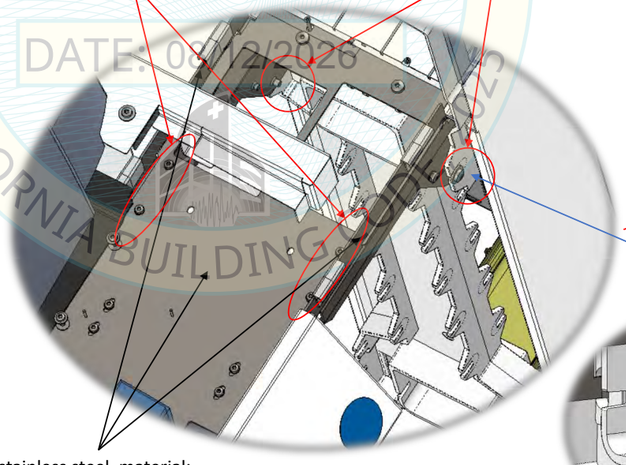
slits in the foot



4x screw DIN 7985 M4x6-A2 TX
4x washer DIN 125 A4.3-A2

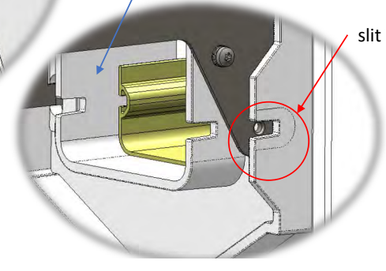
2x screw DIN 7985 M6x16-A2 TX
2x washer DIN 9021 6,4-A2





aluminium casting alloy:
EN AC-43100

slit in the foot



stainless steel, material:
1.4301 (X5CrNi18-10)

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODES

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: ANALYZER INTERFACES: SAL ARCHITECT c16000 (c16)
SAL TO ANALYZER SIDE CONNECTION

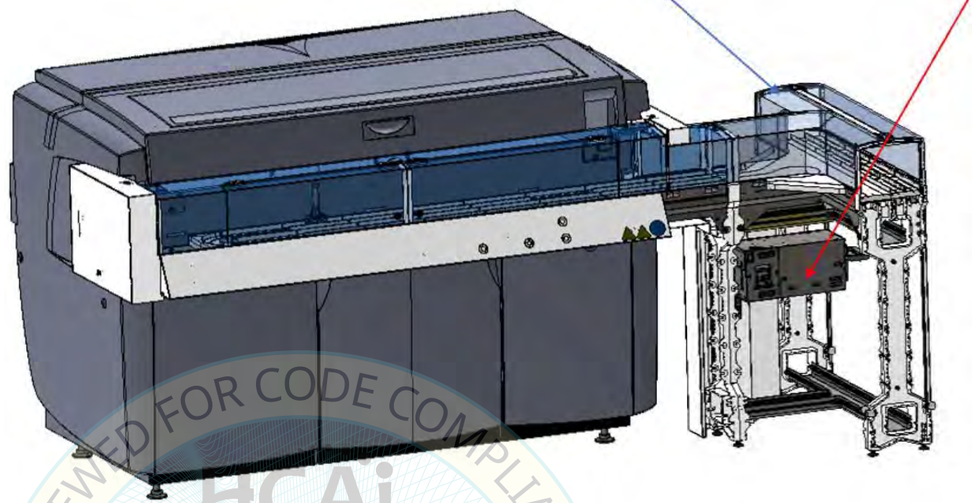
ABBOTT
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

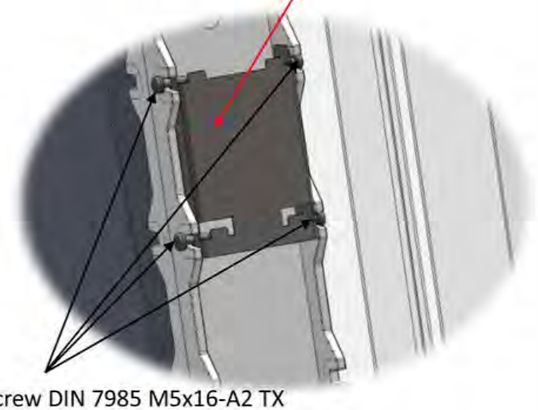
CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.30D

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026 - 12:06pm Login:camachom Dimscale:1 LTScale:6





4x screw DIN 7985 M5x16-A2 TX
4x lock washer DIN 6798 5.3-A2 Form A
4x washer DIN 125 A5.3-A2

Note: „section T element passive“ is not part of the SAL Architect c16000

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: ANALYZER INTERFACES: SAL ARCHITECT c16000 (c16)
SAL POWER SUPPLY CONNECTION

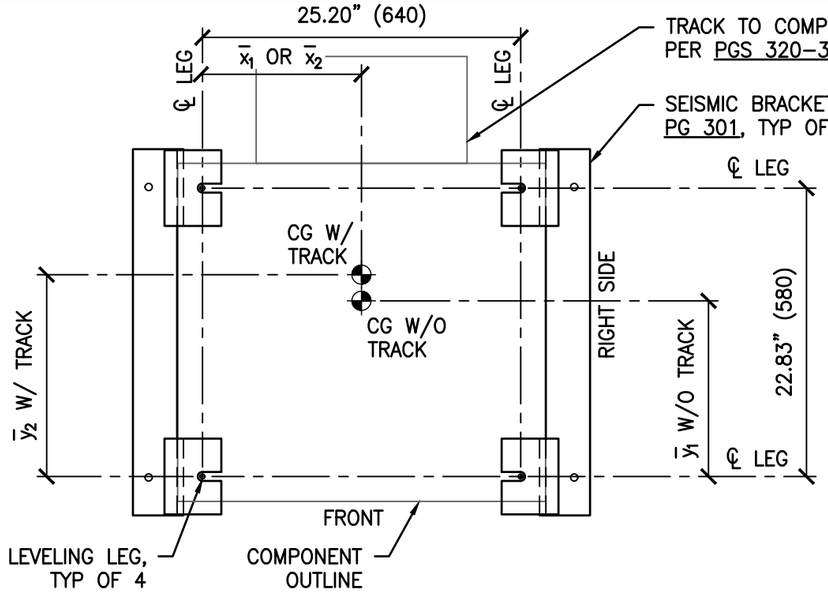
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N TEL (916) 920-2020
SACRAMENTO, CA 95833 www.cyseng.com

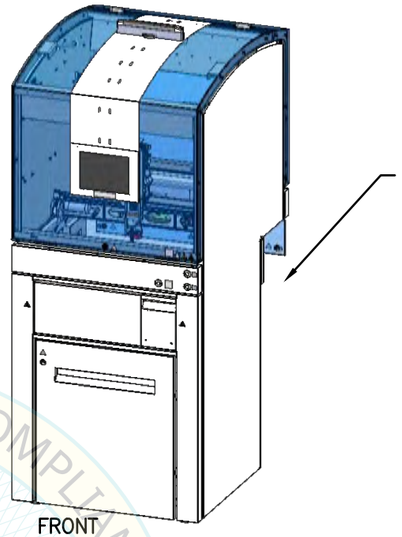
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.30E

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:07pm Login:camachom Dimscale:1 LTScale:6



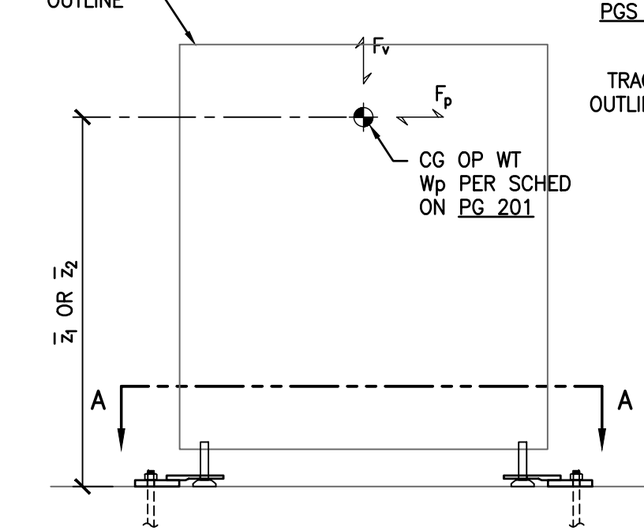
BASE PLAN VIEW A–A



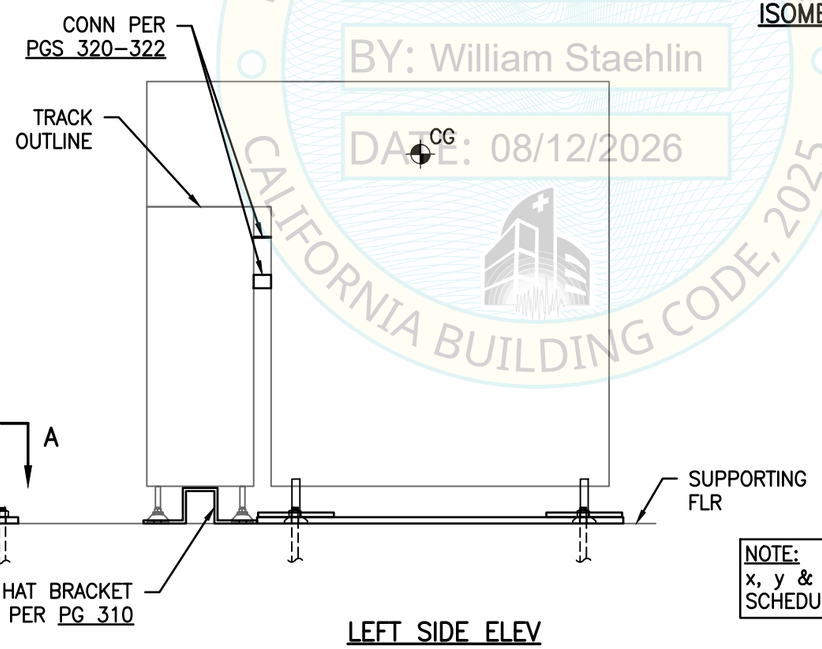
RBM SYSMEX XN/XR/CN
ISOMETRIC VIEW

	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	1389#	1809#	415#
CASE 2 [1]	816#	1236#	250#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.



FRONT ELEV



LEFT SIDE ELEV

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: ANALYZER INTERFACES: RBM SYSMEX XN/XR/CN
BASE PLAN & ELEVATIONS

ABBOTT

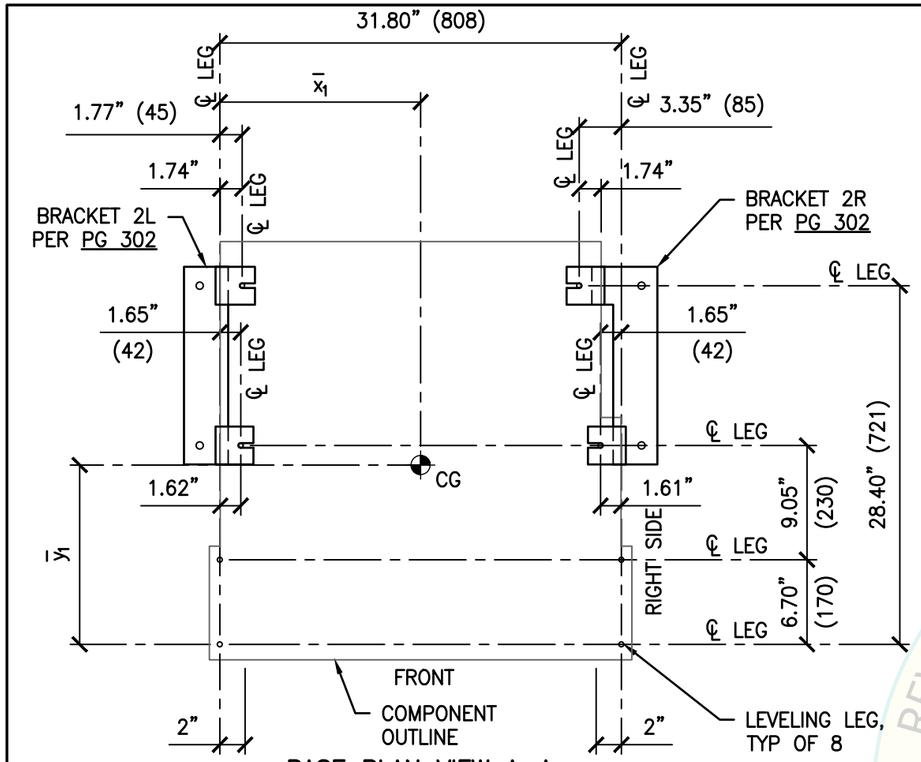
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

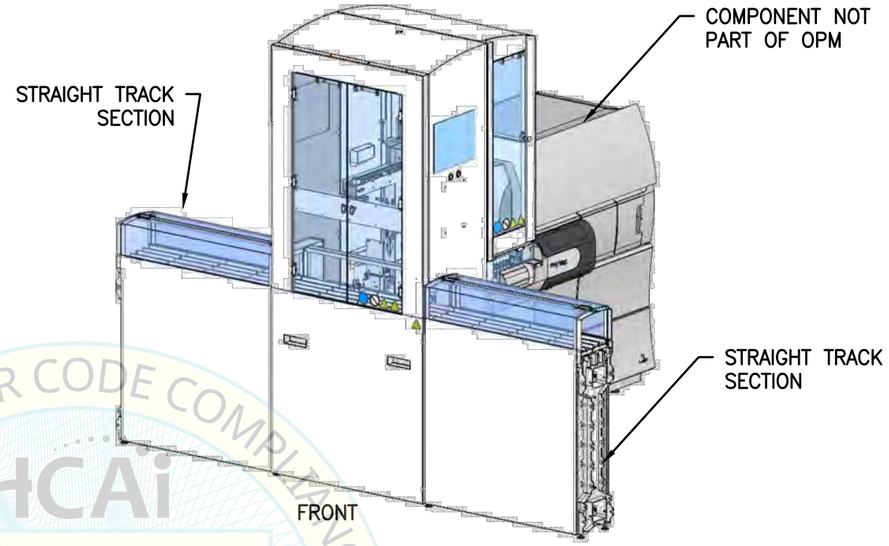
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.31

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:07pm Login:camachom Dimscale:1 LTScale:6



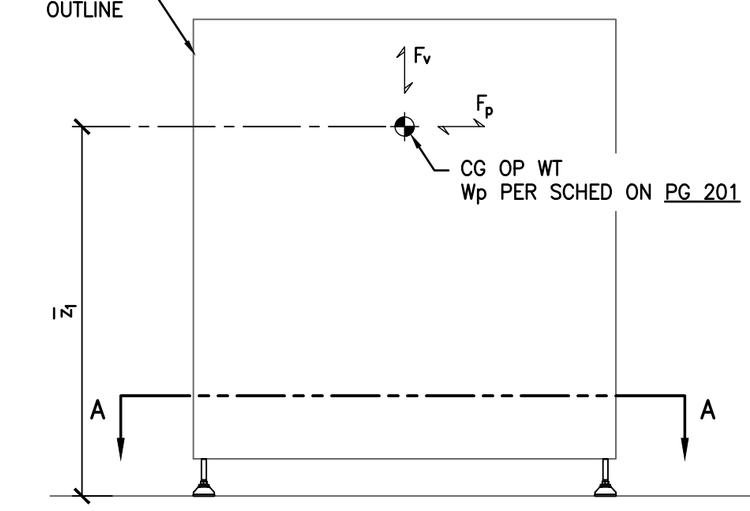
BASE PLAN VIEW A–A



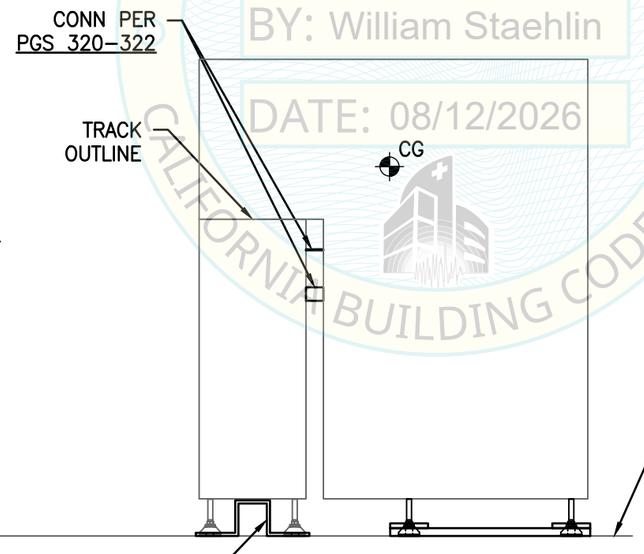
RBI STAGO STA–R MAX2 (STR)
ISOMETRIC VIEW

	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	560#	595#	111#
CASE 2 [1]	333#	395#	67#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.



FRONT ELEV



RIGHT SIDE ELEV

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: ANALYZER INTERFACES: RBI STAGO STA-R MAX2 (STR)
BASE PLAN & ELEVATIONS

ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

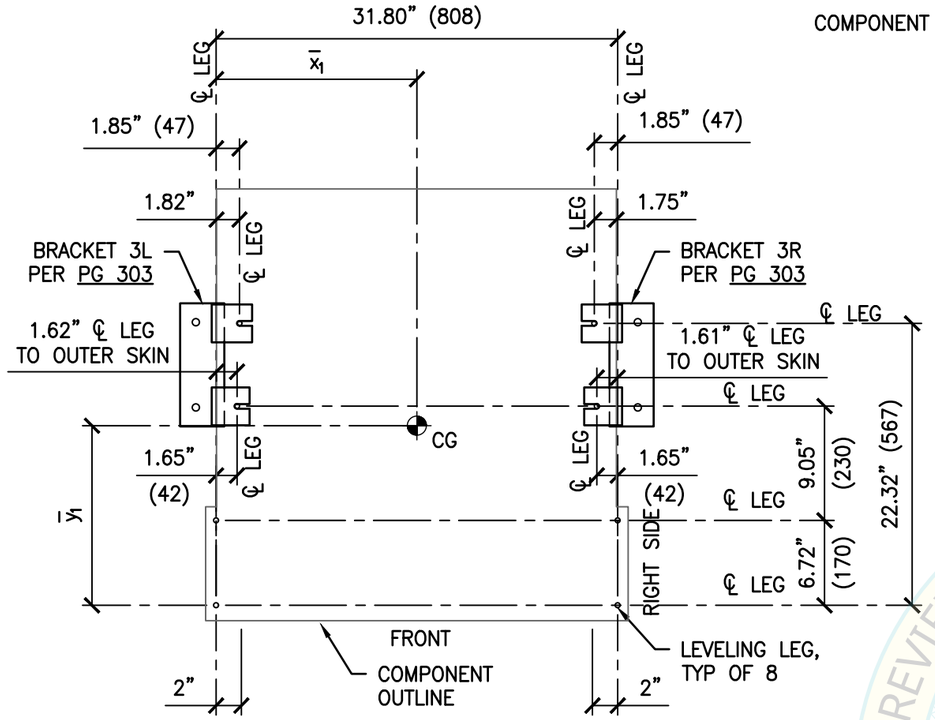
CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

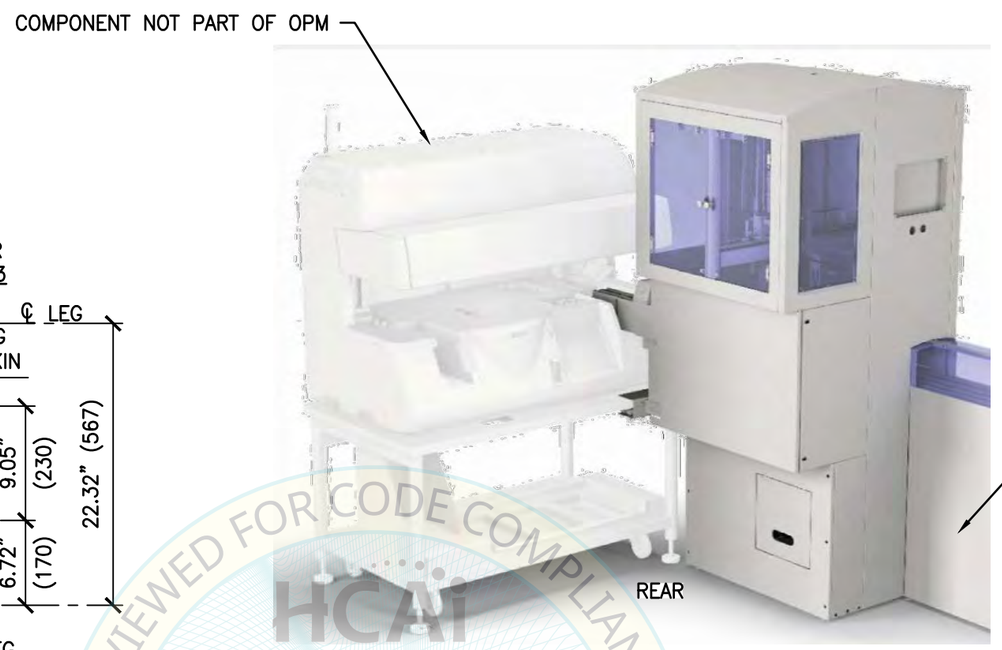
Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.32

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:07pm Login:camachom Dimscale:1 LTScale:6



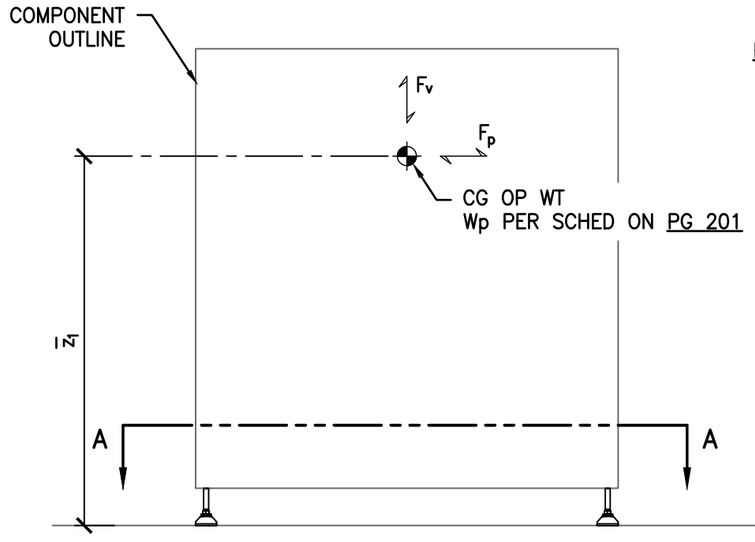
BASE PLAN VIEW A–A



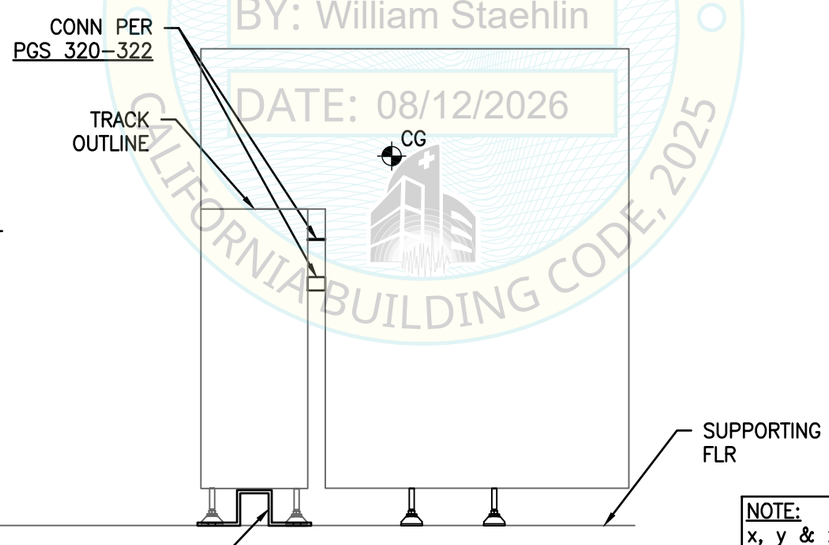
RBI THERMO PHADIA 250 (P250)
ISOMETRIC VIEW

	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	721#	821#	120#
CASE 2 [1]	427#	534#	72#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.



FRONT ELEV



LEFT SIDE ELEV

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

REVIEWED FOR CODE COMPLIANCE
HCAI
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: ANALYZER INTERFACES: RBI THERMO PHADIA 250 (P250)
BASE PLAN & ELEVATIONS

ABBOTT
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.33

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:07pm Login:camachom Dimscale:1 LTScale:6

NOT USED

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE:

Rev	Description	Date

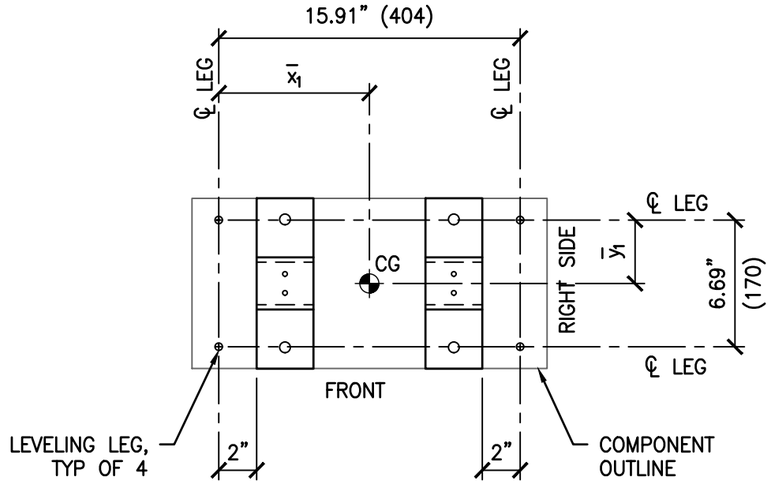
Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.34

ABBOTT

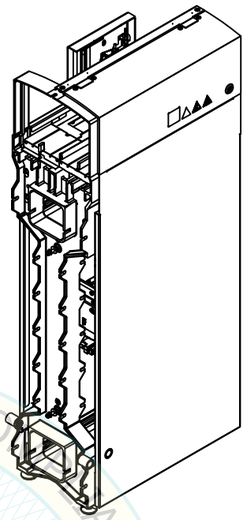
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N TEL (916) 920-2020
SACRAMENTO, CA 95833 www.cyseng.com

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026--12:07pm Login:camachom Dimscale:1 LTScale:6



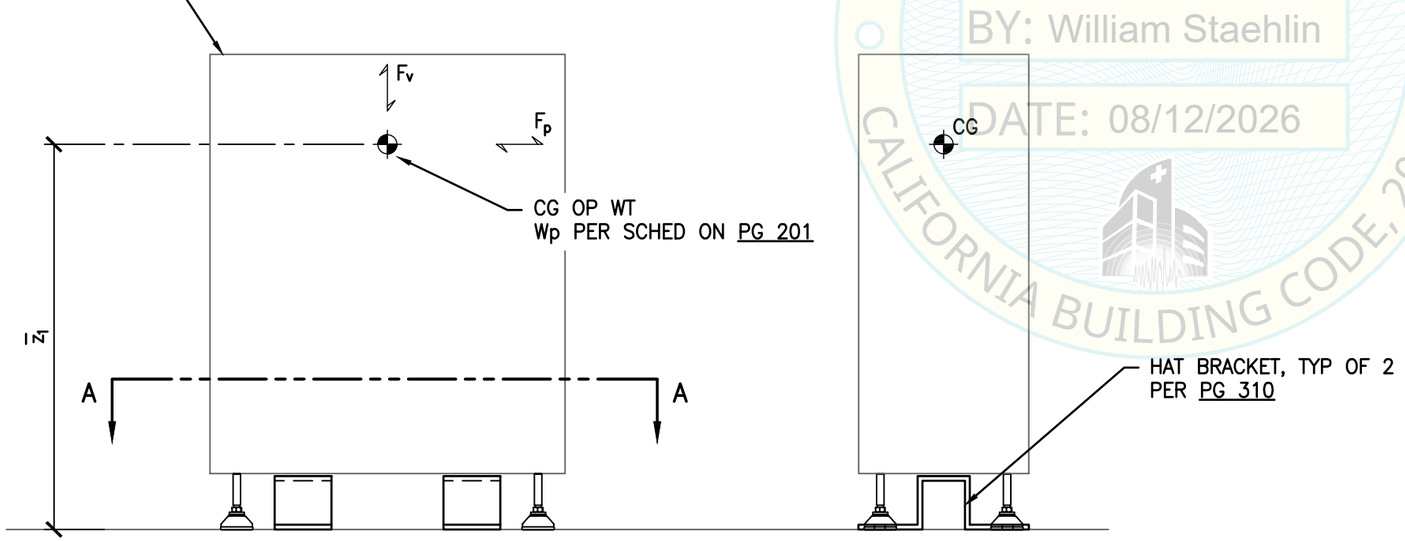
BASE PLAN VIEW A–A



SGI–T
ISOMETRIC VIEW

	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	488#	552#	81#
CASE 2 [1]	272#	335#	46#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.



FRONT ELEV

RIGHT SIDE ELEV

NOTES:
1. FOR CONFIGURATIONS W/ MULTIPLE STRAIGHT TRACK SECTIONS IN SERIES, REFER TO PGS 203 & 204.
2. x, y & z DIMS ARE PER SCHEDULE ON PG 201.

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: ANALYZER INTERFACES: SGI-T
BASE PLAN & ELEVATIONS

ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

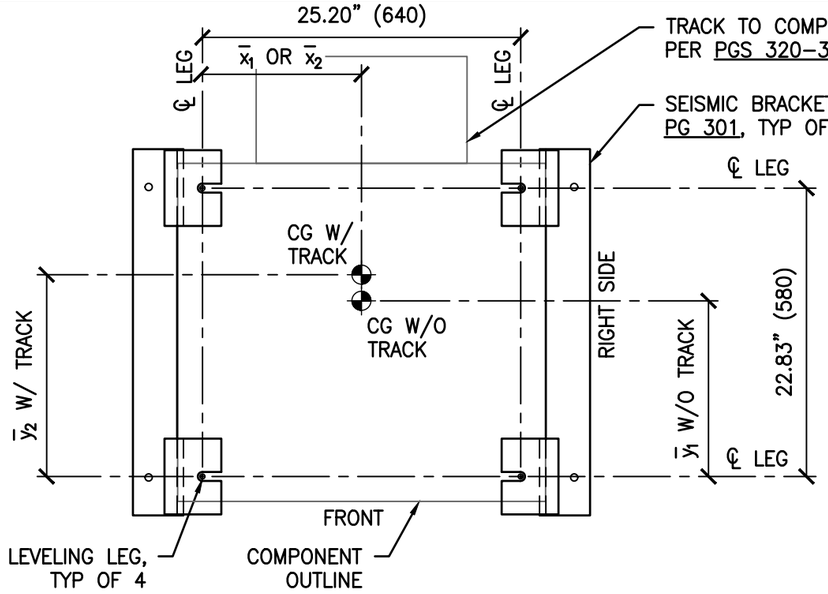
CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N TEL (916) 920-2020
SACRAMENTO, CA 95833 www.cyseng.com

Rev	Description	Date

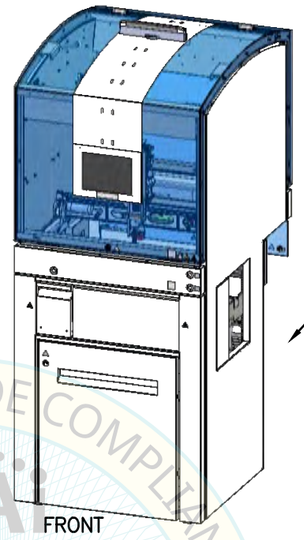
Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.35

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:07pm Login:camachom Dimscale:1 LTScale:6



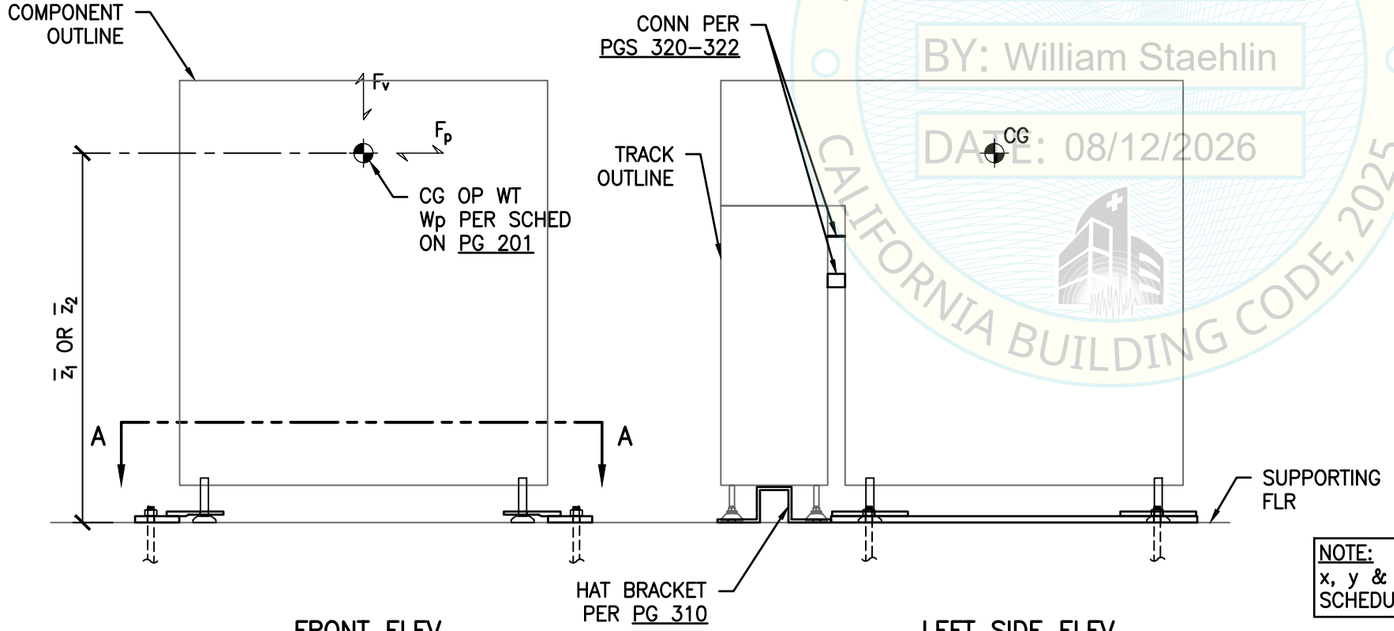
BASE PLAN VIEW A–A



RBM COBAS PRO ISOMETRIC VIEW

	MAX ANCHOR FORCES AT LRFD AT LEVELING LEG		
	T_{max}	C_{max}	V_{max}
CASE 1 [2]	1389#	1809#	415#
CASE 2 [1]	816#	1236#	250#

1. INCLUDES OVERSTRENGTH FACTOR (Ω_o).
2. OVERSTRENGTH FACTOR (Ω_o) MUST BE APPLIED FOR ANCHORAGE TO CONC.



FRONT ELEV

LEFT SIDE ELEV

NOTE:
x, y & z DIMS ARE PER SCHEDULE ON PG 201

REVIEWED FOR CODE COMPLIANCE
HCAI
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025



NOT SEOR

SHEET TITLE: ANALYZER INTERFACES: RBM COBAS PRO BASE PLAN & ELEVATIONS

ABBOTT

ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

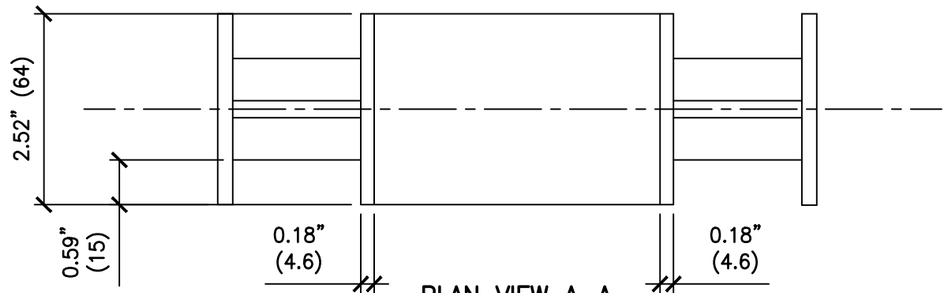
CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

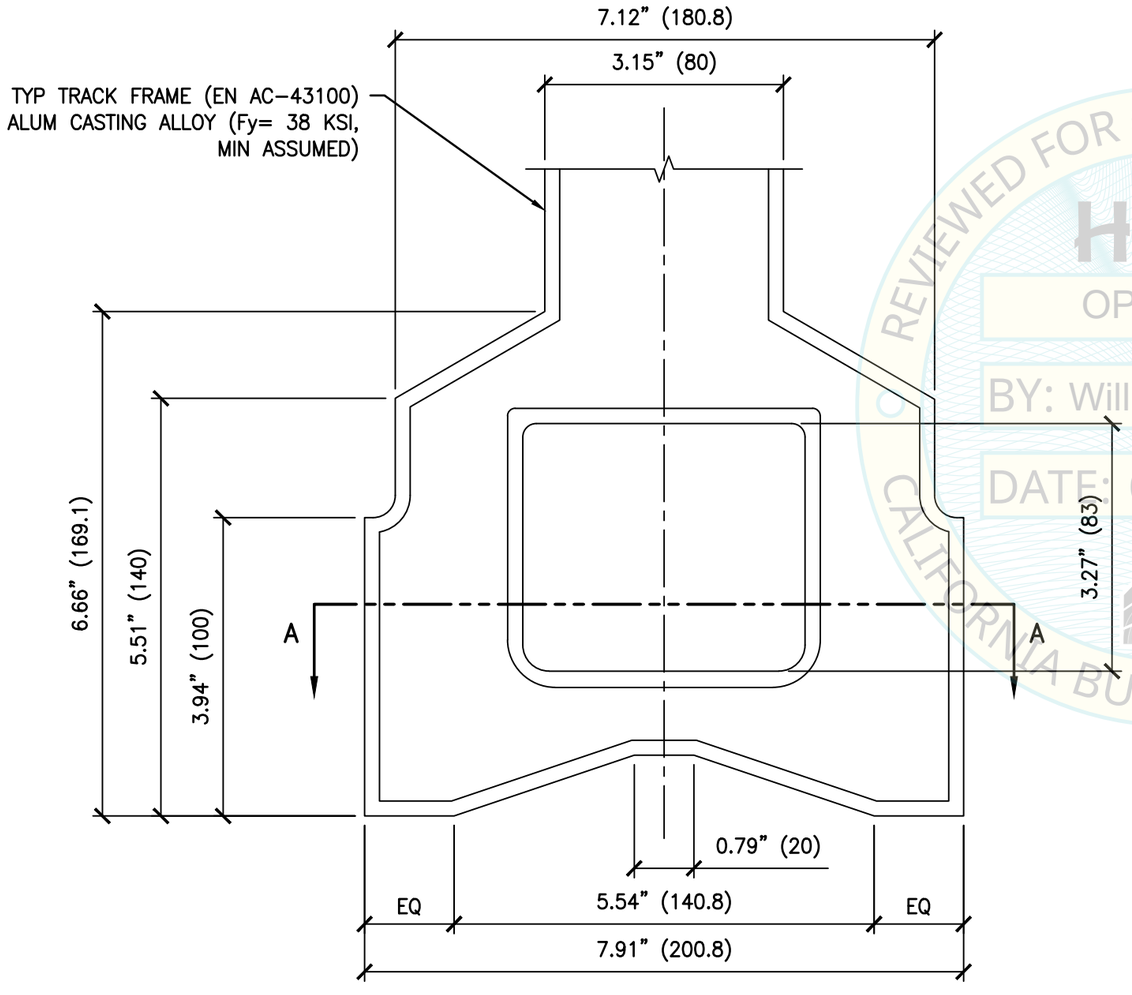
Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	210.36

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:07pm Login:camachom Dimscale:1 LTScale:6

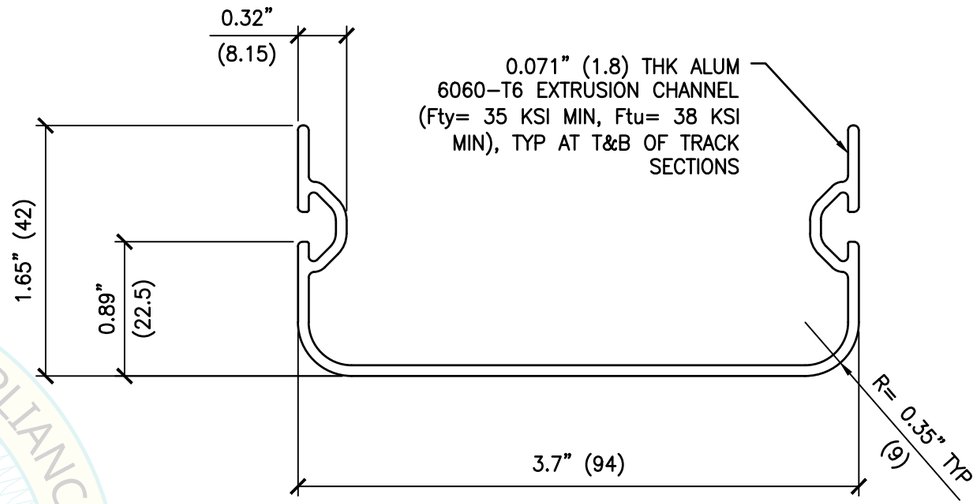
SUPPORT FRAME



PLAN VIEW A–A



CHANNEL



REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: TRACK DETAIL
SUPPORT FRAME

ABBOTT

ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

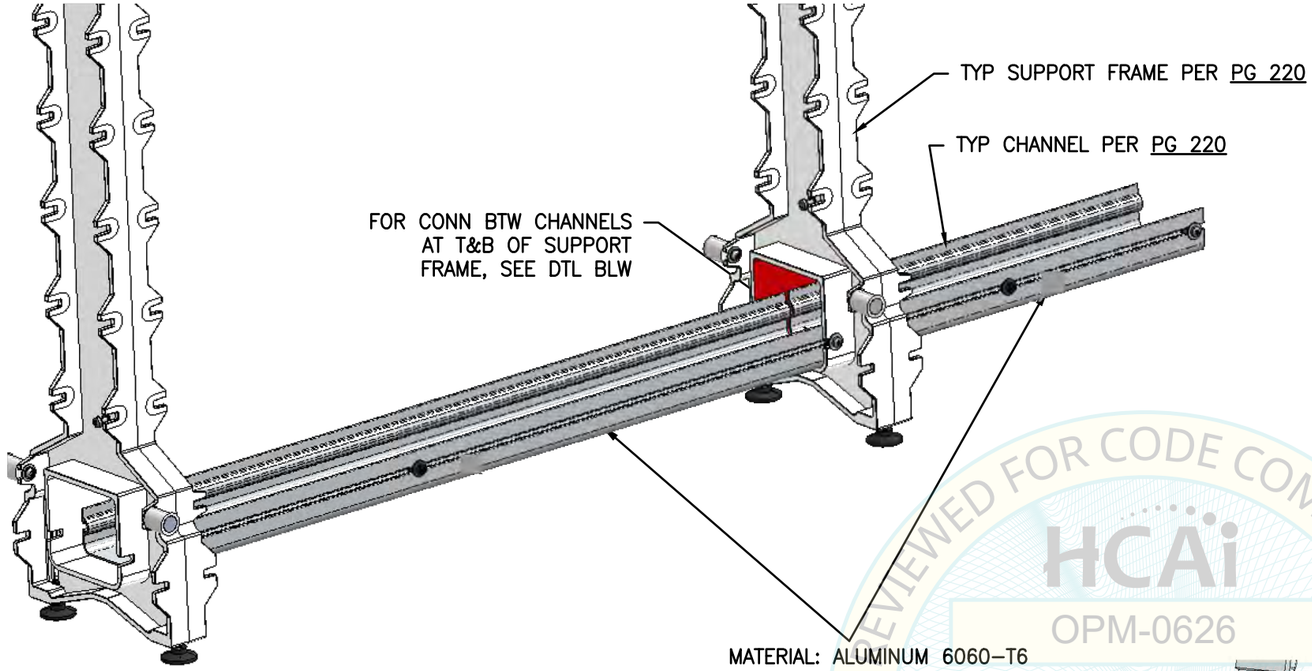
CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

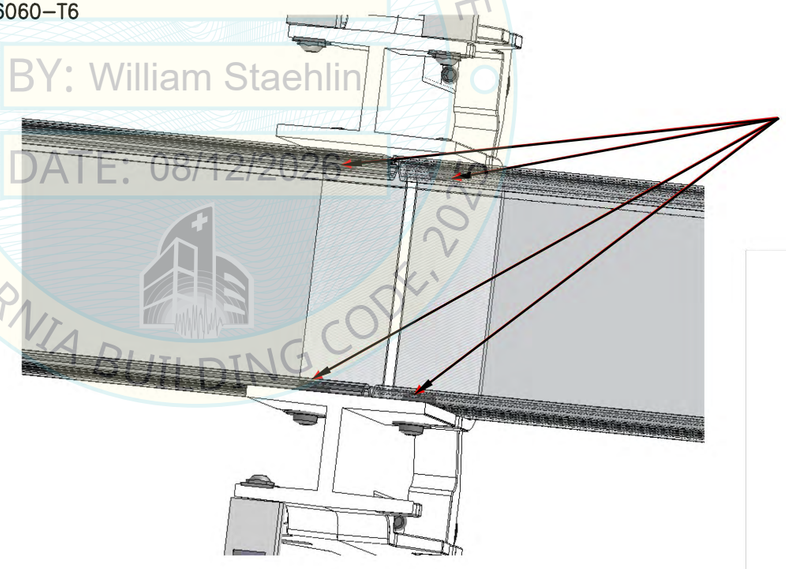
Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	220

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:07pm Login:camachom Dimscale:1 LTScale:6

SUPPORT FRAME TO CHANNEL CONNECTION



SUPPORT FRAME ISOMETRIC





SCREW DIN 7985 M5x12-TX A2
TORQUE TIGHTENED TO 2.5 FT-LBS MIN
(Fy= 65 KSI MIN, Fu= 102 KSI MIN)
WASHER DIN 9021-5,3 A2 T-SLOT NUT - M5 STL ZINC

SUPPORT FRAME TO CHANNEL CONN

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2022

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: TRACK DETAIL
SUPPORT FRAME CONNECTIONS

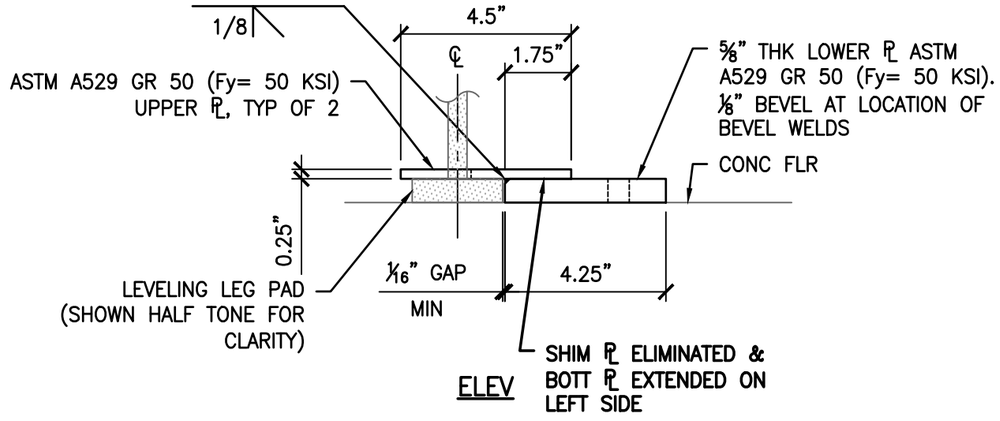
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

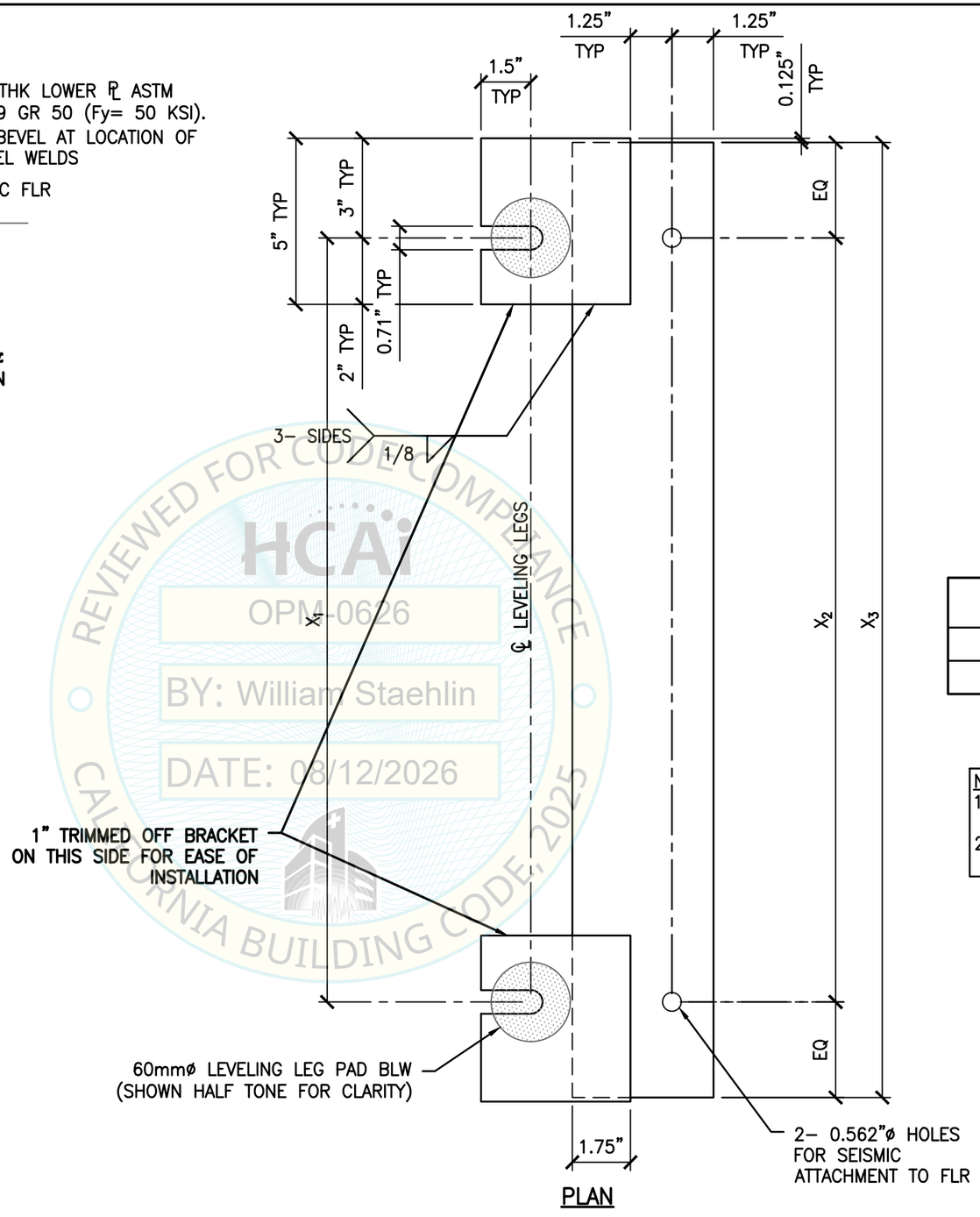
CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	221

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:07pm Login:camachom Dimscale:1
mscale:1 LTScale:6





	FOOT FRAME (40 BASIC)	FOOT FRAME (80 BASIC)
X_1	22.83" (580)	22.83" (580)
X_2	23"	23"
X_3	29"	29"

NOTES:
1. FOR CASE 1 & CASE 2 ANCHORAGE TO FLR, SEE PGS 401-403.
2. GENERAL CONTRACTOR SHALL PROVIDE & INSTALL SEISMIC BRACKET.

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: SEISMIC BRACKET 1 DETAIL
FOOT FRAME 40 BASIC & FOOT FRAME 80 BASIC

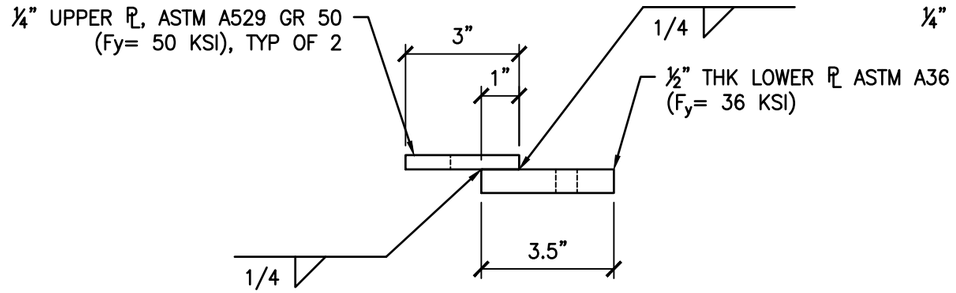
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

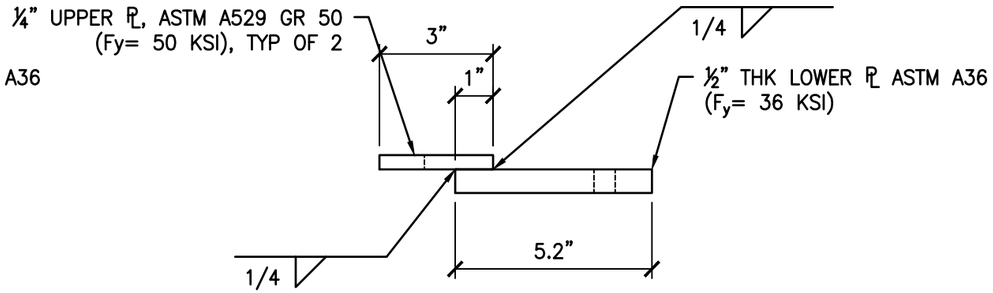
Rev	Description	Date

Job No: 26018
Date: 07/09/2026
By: MTC
Page: 301

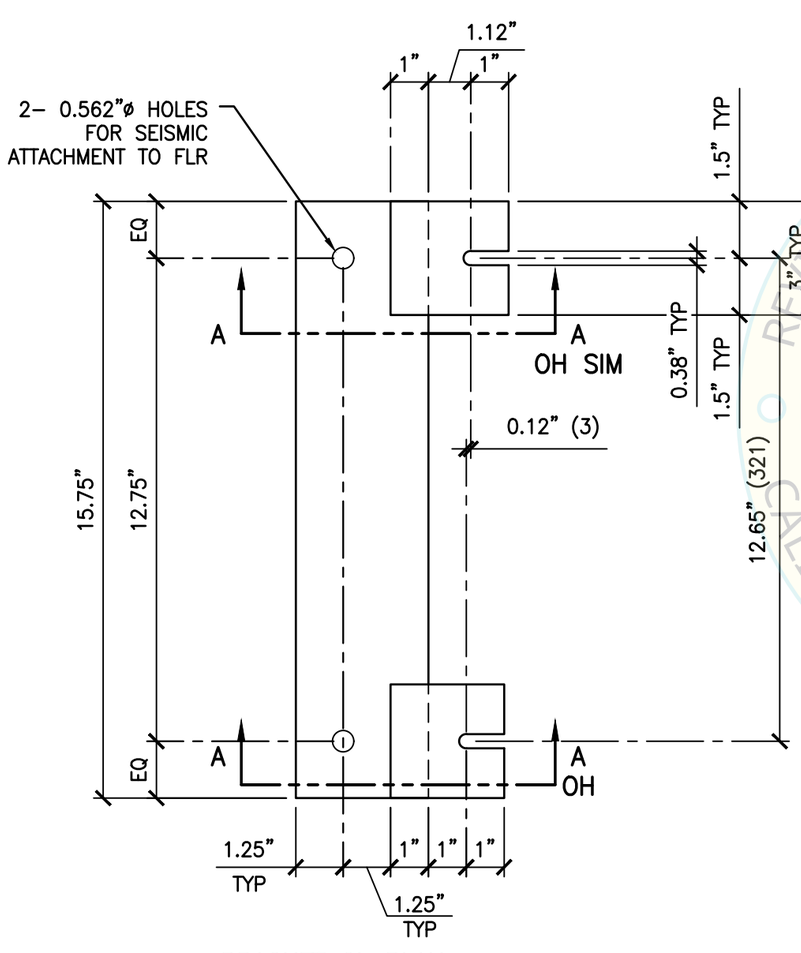
C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:07pm Login:camachom Dimscale:1 LTScale:6



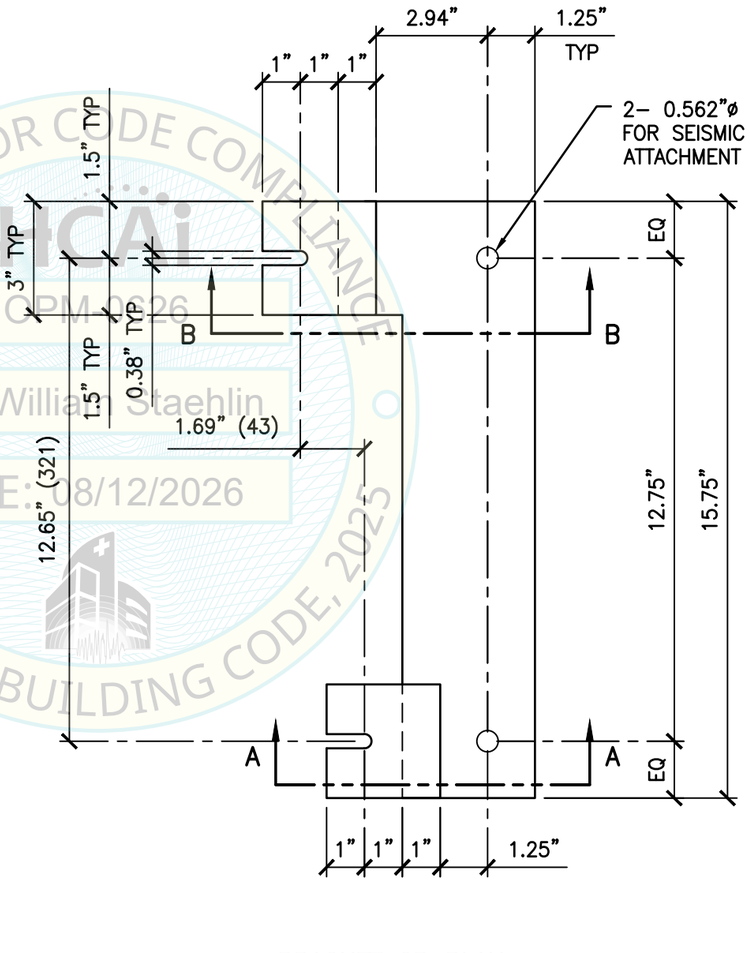
ELEV A–A



ELEV B–B

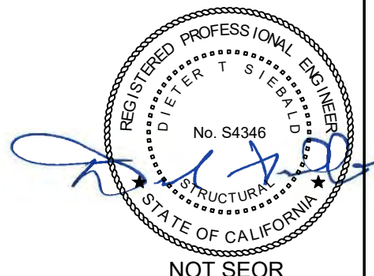


BRACKET 2L PLAN



BRACKET 2R PLAN

NOTES:
1. FOR CASE 1 & CASE 2 ANCHORAGE TO FLR, SEE PGS 401–403.
2. GENERAL CONTRACTOR SHALL PROVIDE & INSTALL SEISMIC BRACKET.



NOT SEOR

ICAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
REVIEWED FOR CODE COMPLIANCE
CALIFORNIA BUILDING CODE, 2025

SHEET TITLE: SEISMIC BRACKET 2 DETAIL
1.32 RBI STAGO

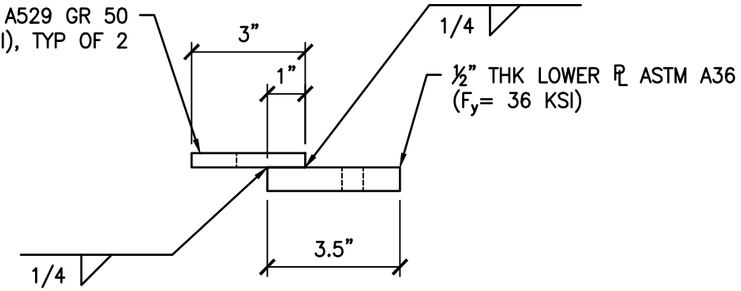
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

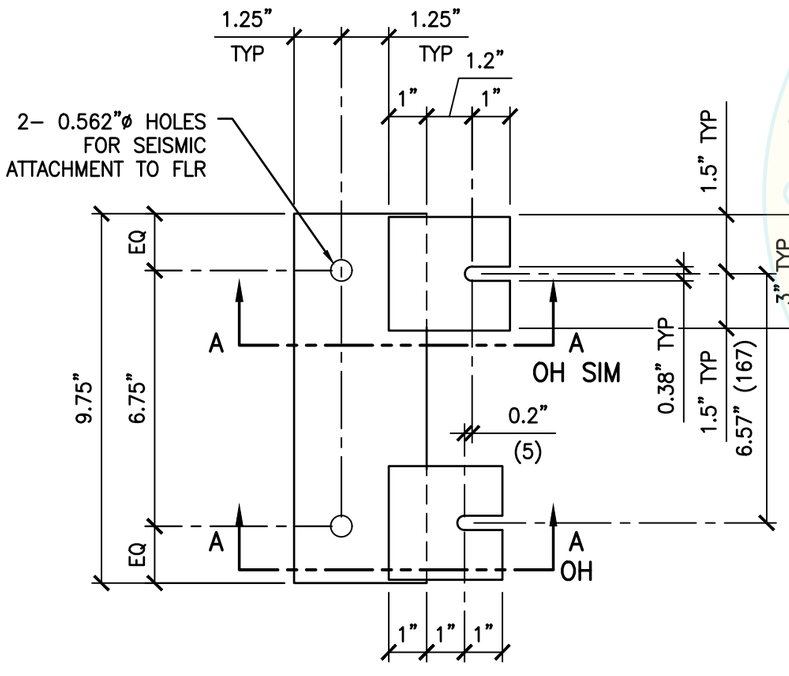
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	302

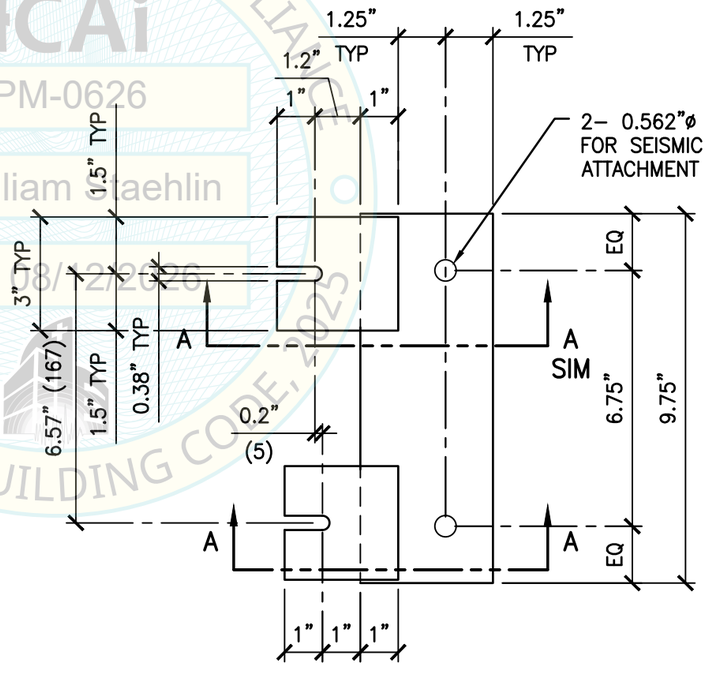
C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:07pm Login:camachom Dimscale:1 LTScale:6



ELEV A–A



BRACKET 3L PLAN



BRACKET 3R PLAN

NOTES:
1. FOR CASE 1 & CASE 2 ANCHORAGE TO FLR, SEE PGS 401–403.
2. GENERAL CONTRACTOR SHALL PROVIDE & INSTALL SEISMIC BRACKET.

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2023

SHEET TITLE: SEISMIC BRACKET 3 DETAIL
1.33 RBI PHADIA

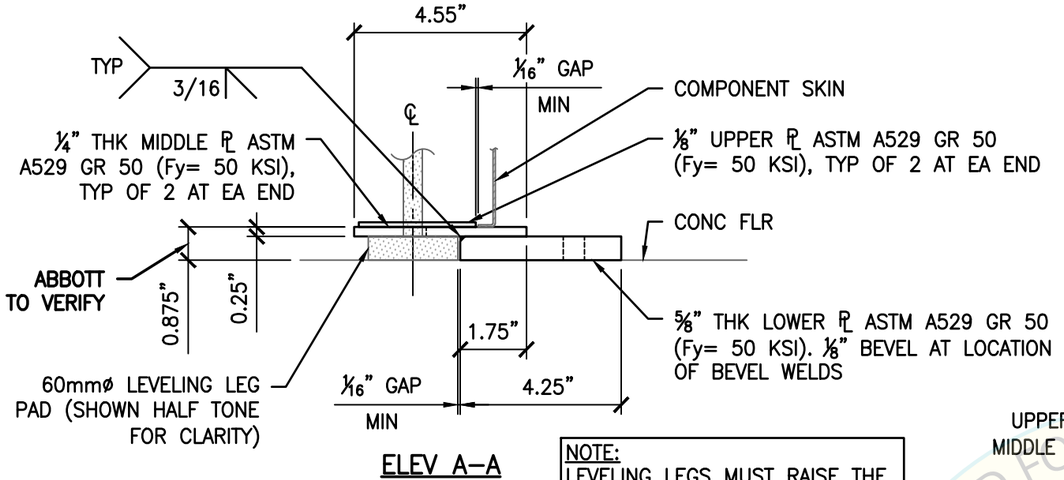
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

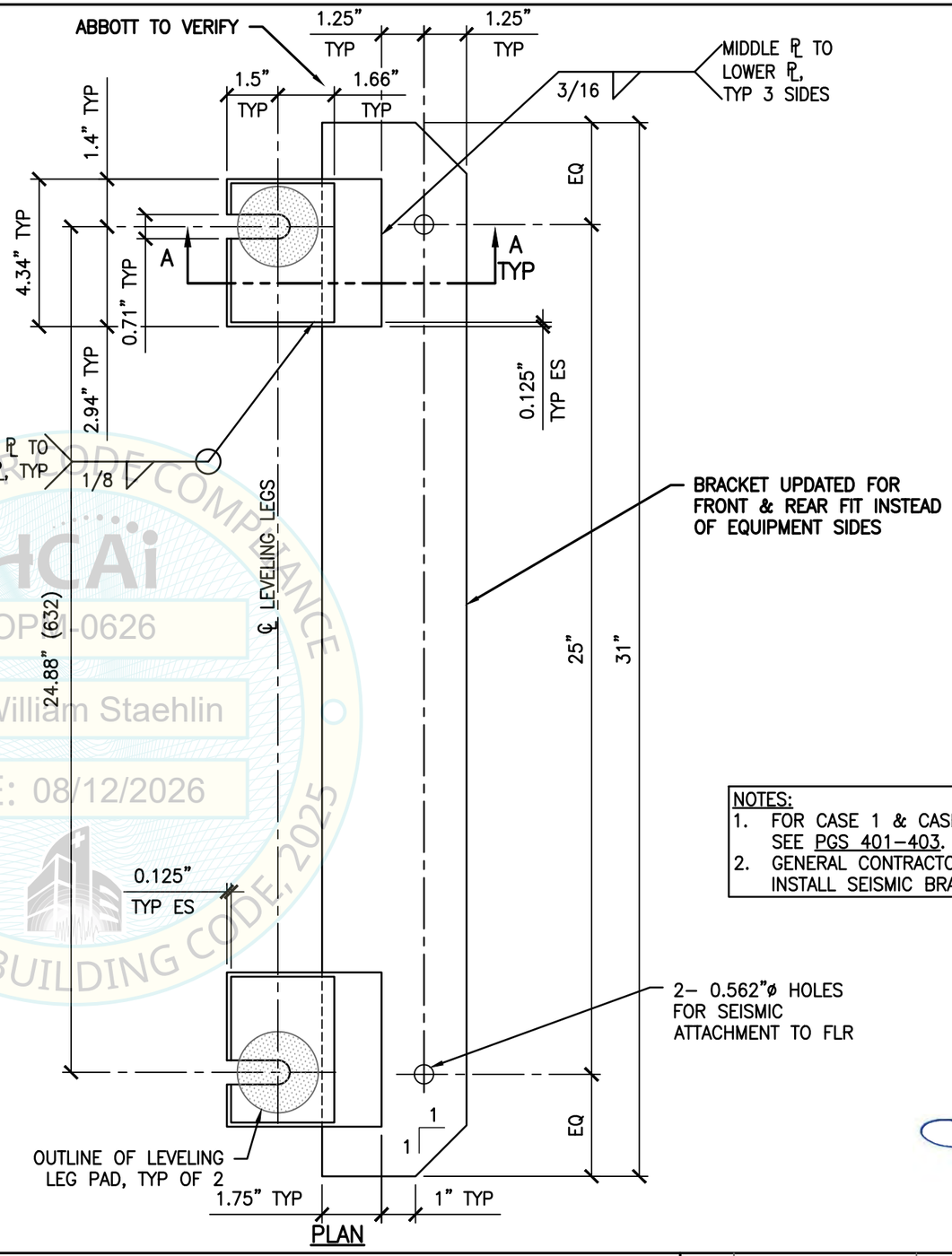
Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	303

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:07pm Login:camachom Dimscale:1 LTScale:6



ELEV A–A

NOTE:
LEVELING LEGS MUST RAISE THE EQUIP IN ORDER TO CLEAR BRACKET DURING INSTALLATION



PLAN

NOTES:
1. FOR CASE 1 & CASE 2 ANCHORAGE TO FLR, SEE PGS 401–403.
2. GENERAL CONTRACTOR SHALL PROVIDE & INSTALL SEISMIC BRACKET.

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: SEISMIC BRACKET 4 DETAIL
CENTRIFUGE MODULE

ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

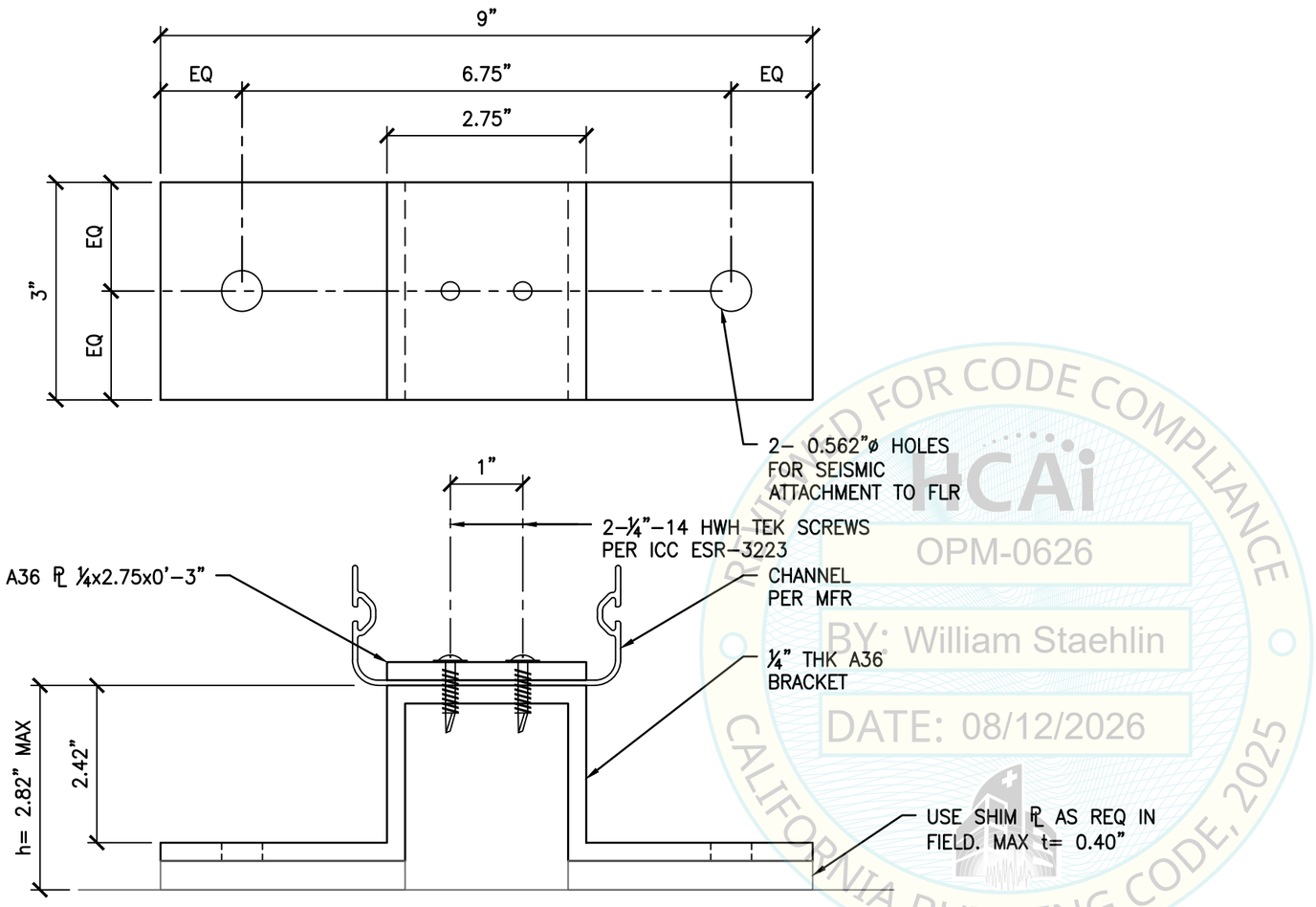
CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	304

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:07pm Login:camachom Dimscale:1 LTScale:6

HAT BRACKET



NOTES:
1. FOR CASE 1 & CASE 2 ANCHORAGE TO FLR, SEE PGS 401, 402 & 404.
2. GENERAL CONTRACTOR SHALL PROVIDE & INSTALL SEISMIC BRACKET.

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: TRACK BRACKET DETAIL
HAT BRACKET

ABBOTT

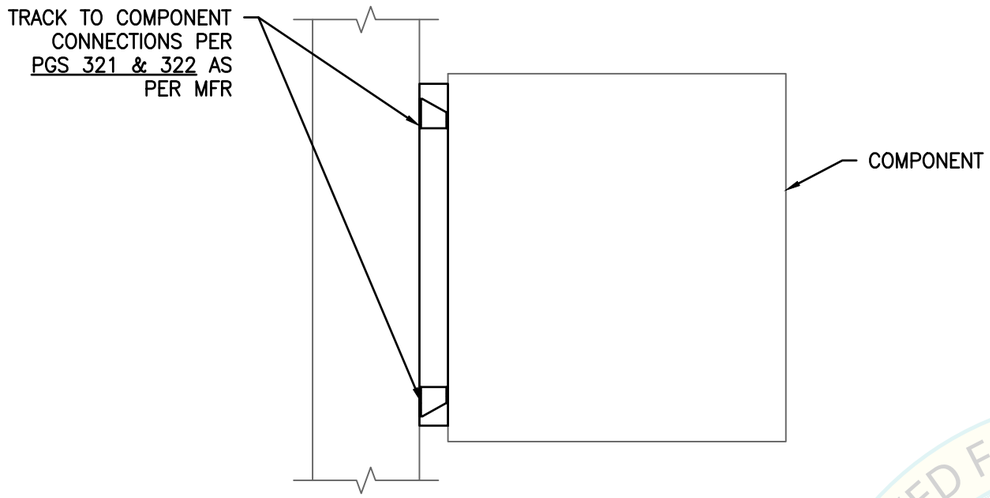
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

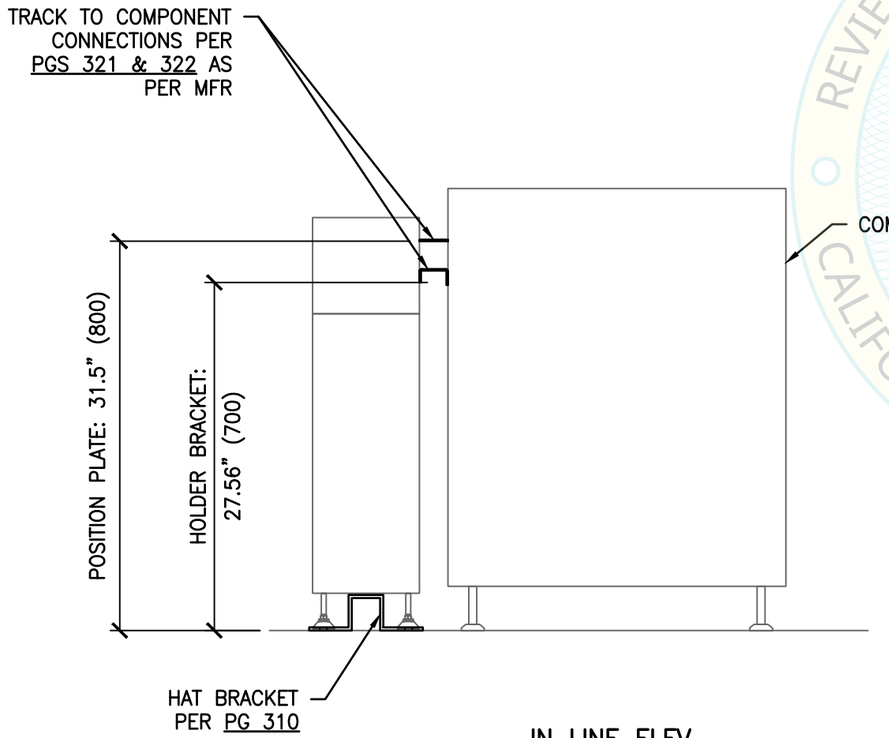
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	310

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:07pm Login:camachom Dimscale:1 LTScale:6



PLAN VIEW



IN LINE ELEV

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025



NOT SEOR

SHEET TITLE: TRACK TO COMPONENT CONNECTION

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	320

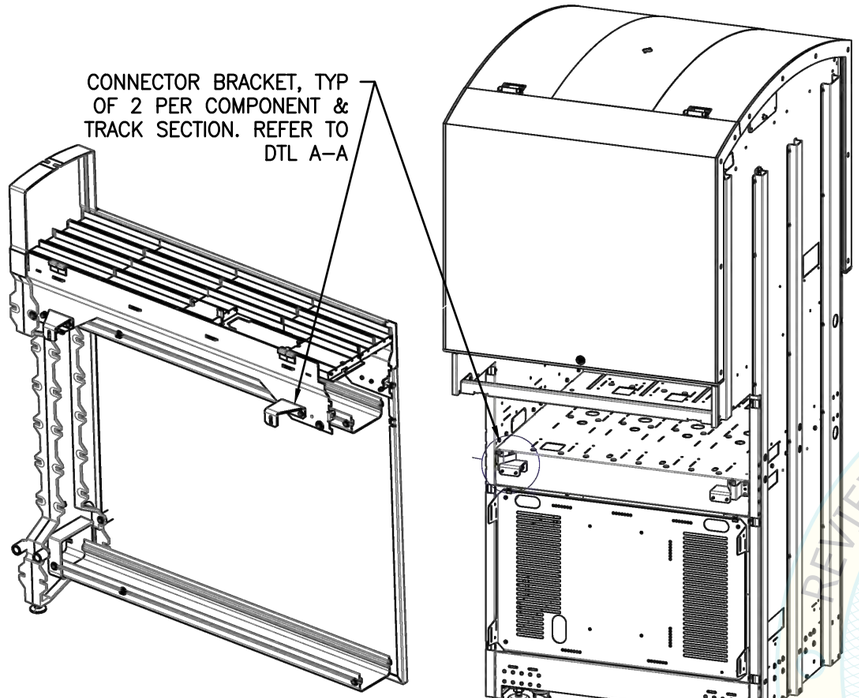
ABBOTT

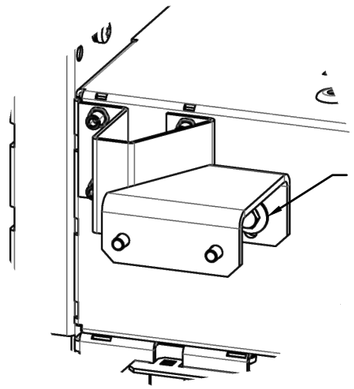
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:07pm Login:camachom Dimscale:1 LTScale:6

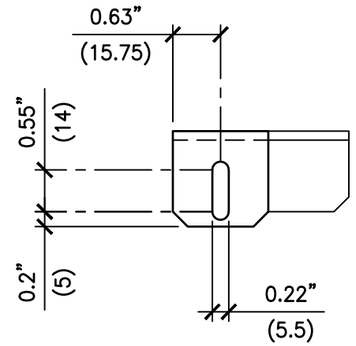
HOLDER BRACKET CONNECTION

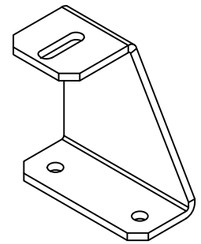


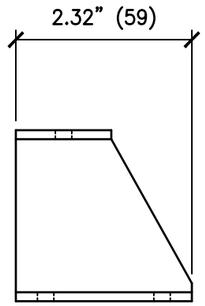


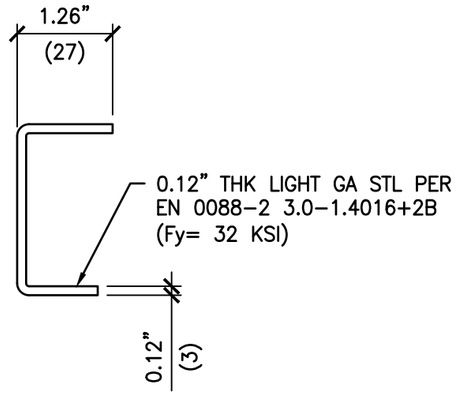
DETAIL A–A

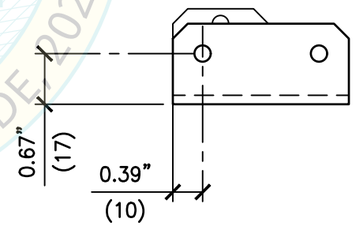
HOLDER BRACKET DETAIL











REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: TRACK TO COMPONENT CONNECTION
HOLDER BRACKET

ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

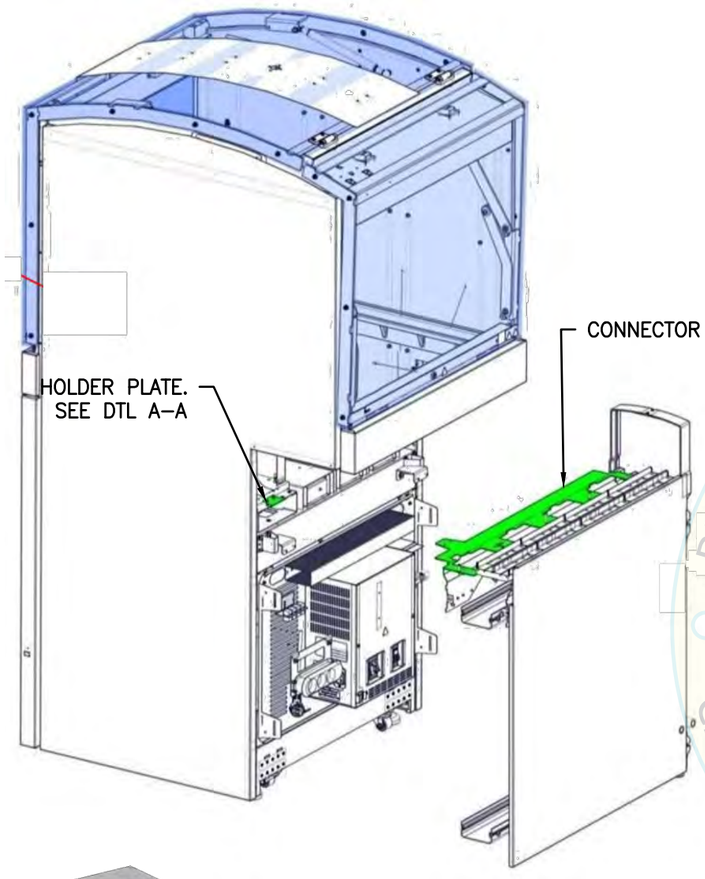
CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

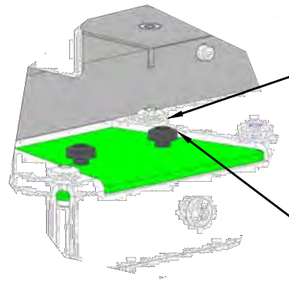
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	321

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:07pm Login:camachom Dimscale:1 LTScale:6

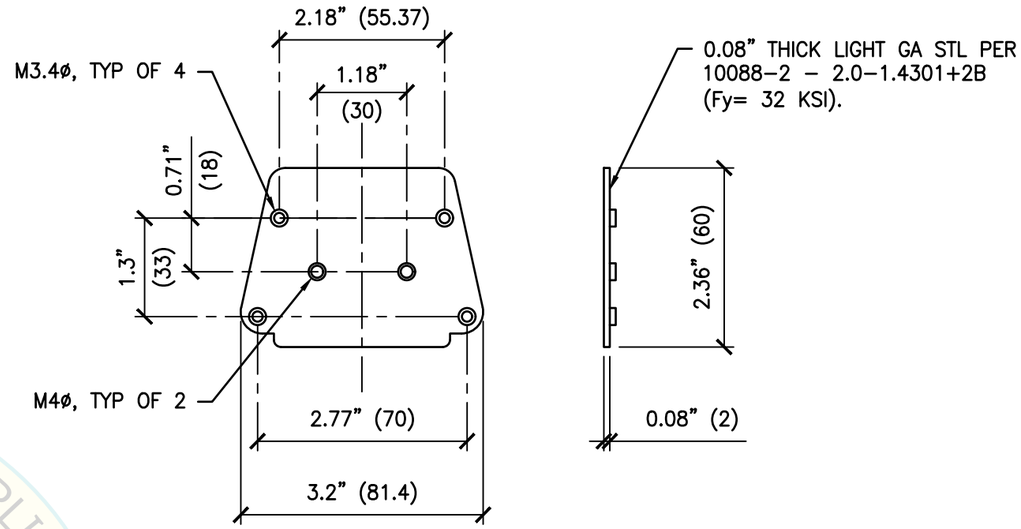
POSITION PLATE CONNECTION



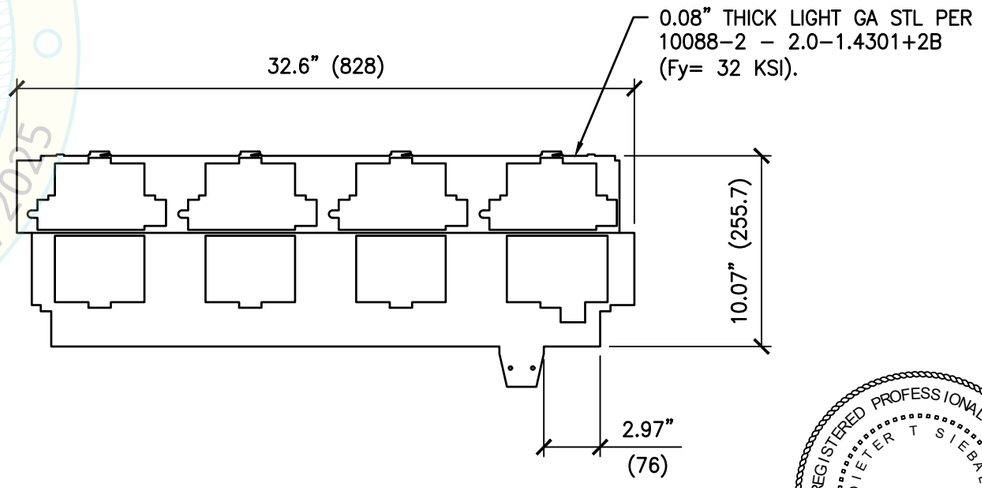


DETAIL A–A

HOLDER PLATE DETAIL



POSITION PLATE DETAIL



REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

SHEET TITLE: TRACK TO COMPONENT CONNECTION
POSITION PLATE

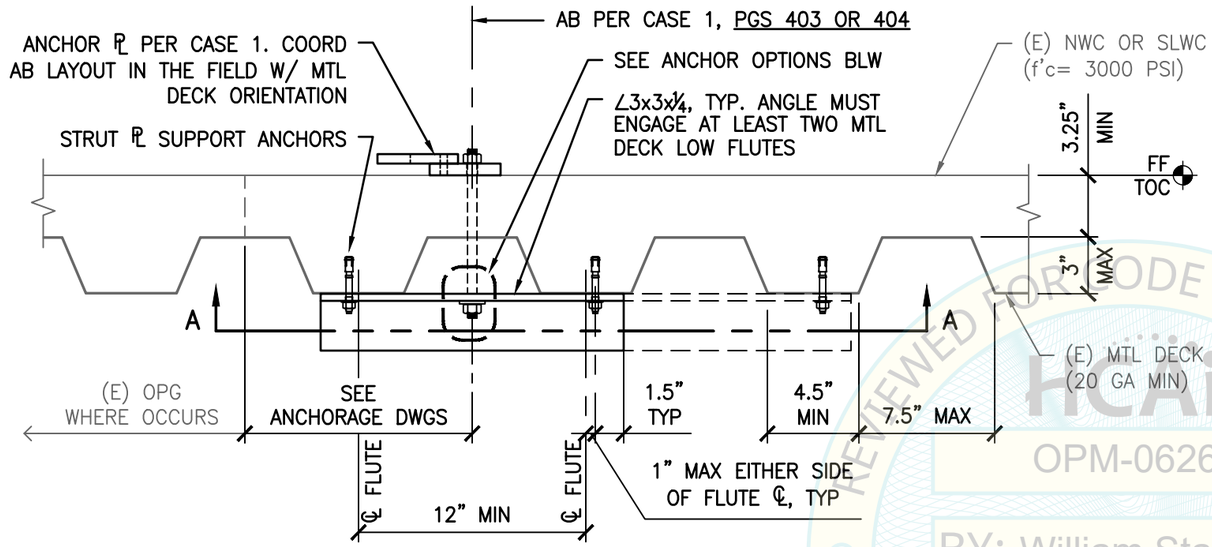
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

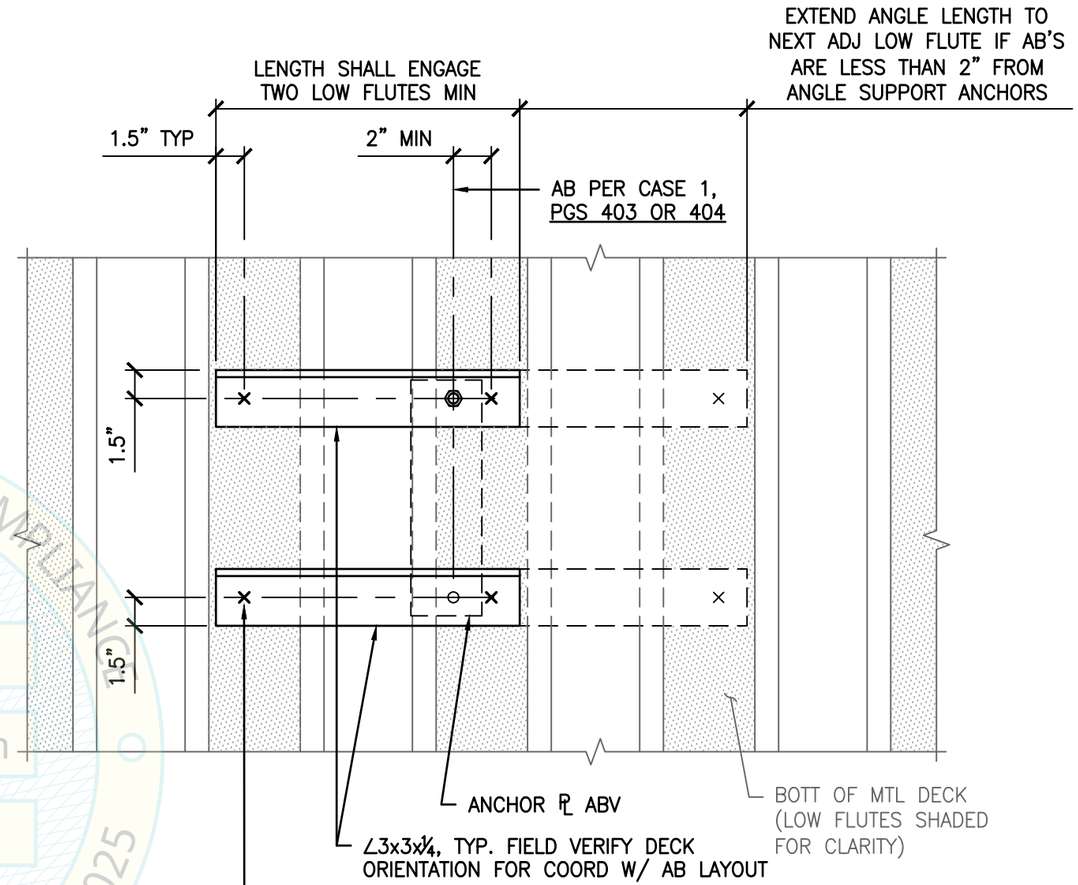
CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

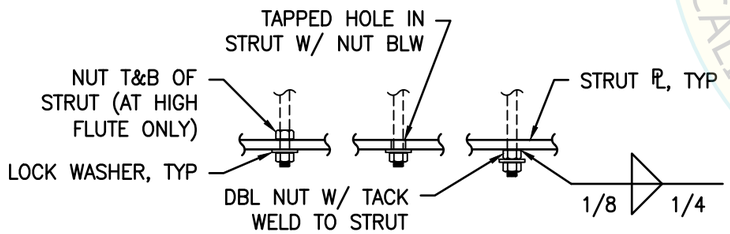
Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	322

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:07pm Login:camachom Dimscale:1 LTScale:6





SECTION A–A



ANCHOR OPTIONS

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: TYPICAL STRUT DETAILS

Rev	Description	Date

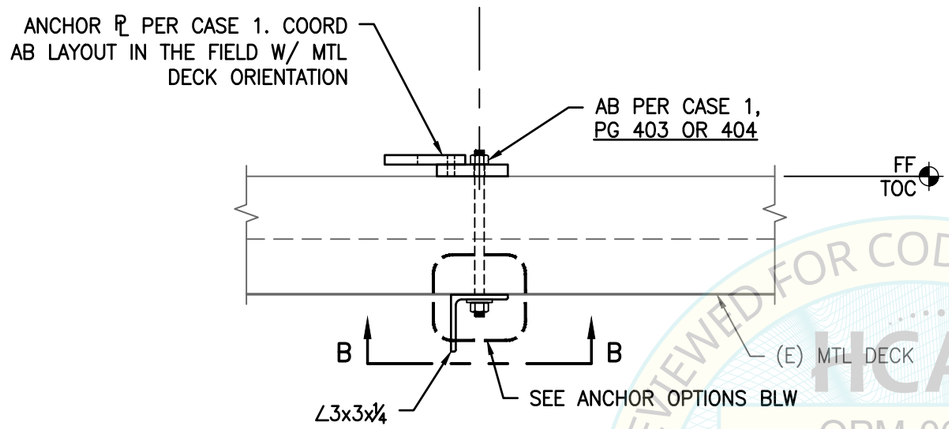
Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	401

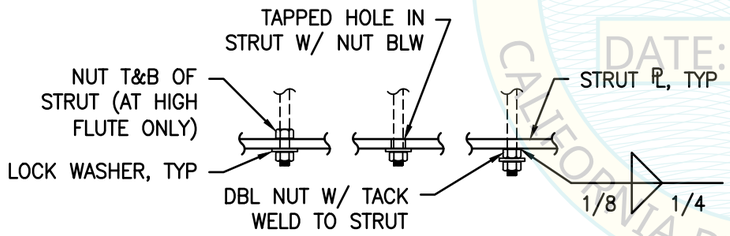
ABBOTT

ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

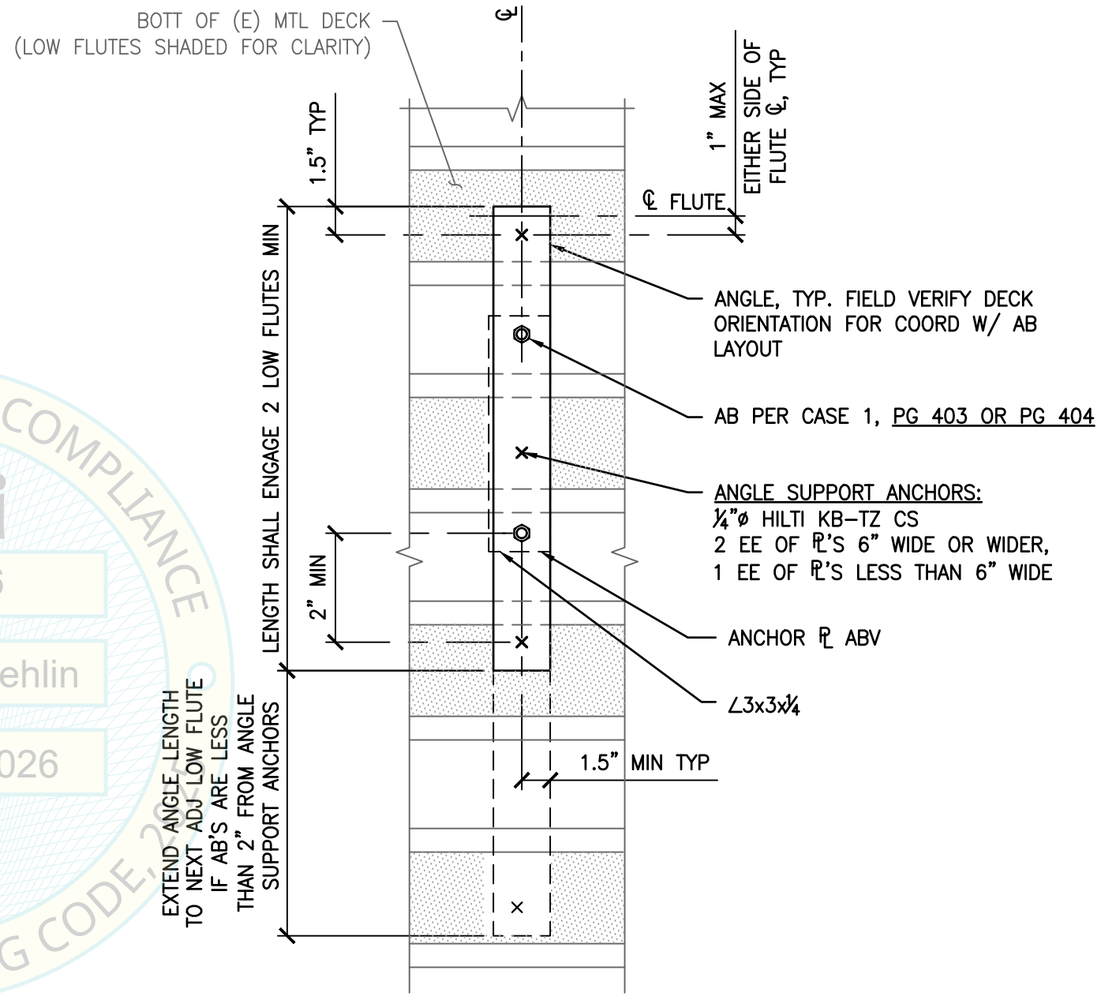
CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:07pm Login:camachom Dimscale:1 LTScale:6





ANCHOR OPTIONS



SECTION B-B

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2022

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: TYPICAL STRUT DETAILS

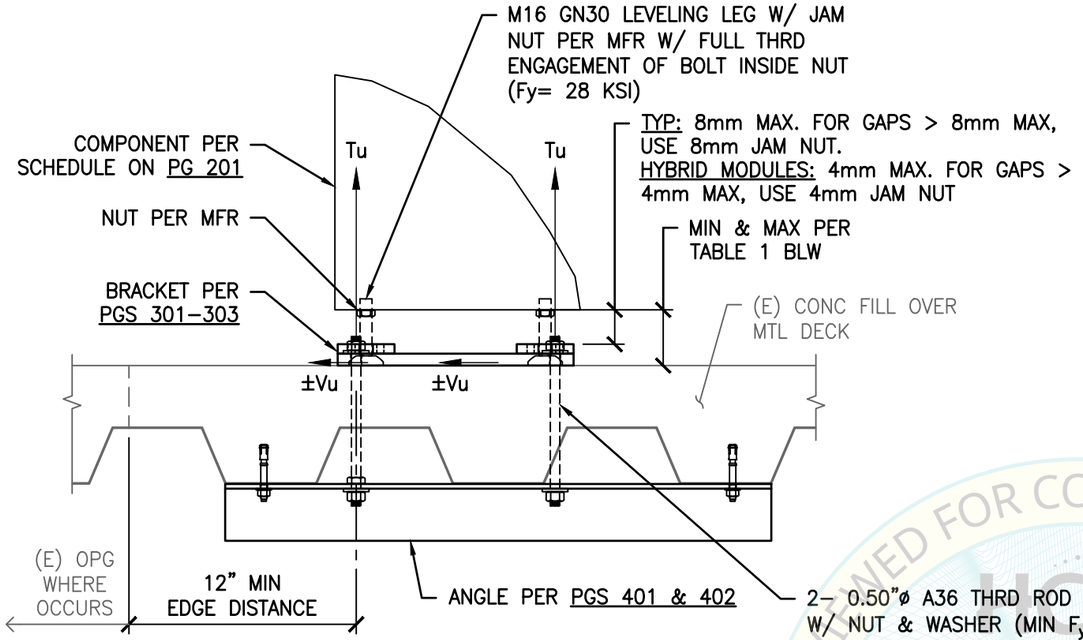
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	402

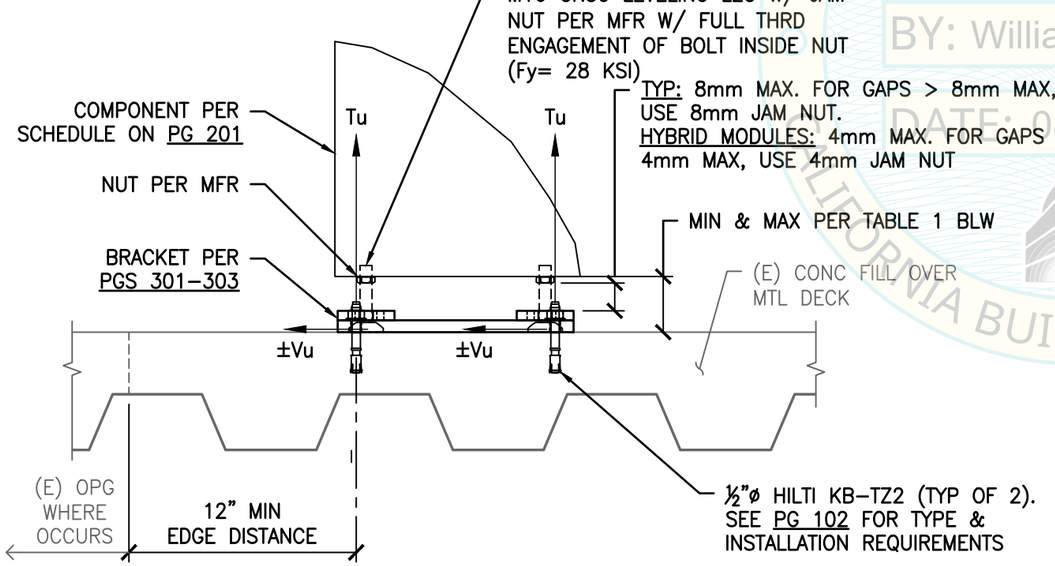
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK
EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:07pm Login:camachom Dimscale:1 LTScale:6



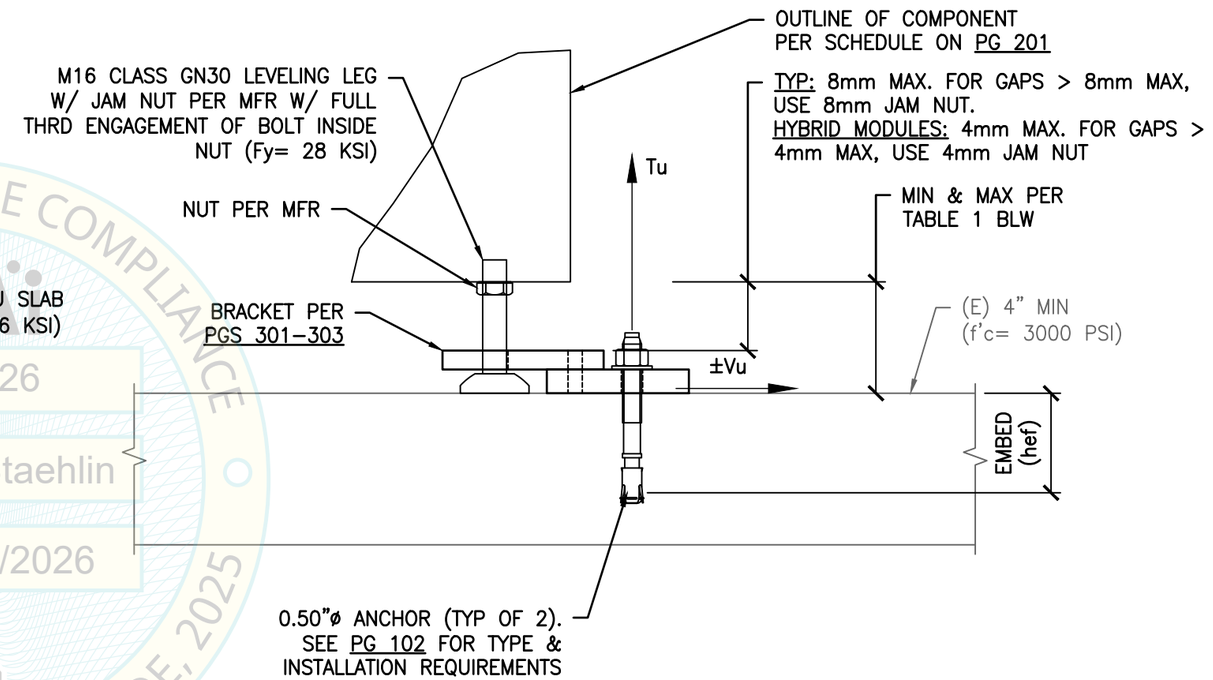
CASE 1 – SUSPENDED FLR W/ THRU-BOLTS



CASE 3 – SUSPENDED FLR W/ ANCHOR BOLTS

MAX ANCHOR FORCES AT LRFD AT EA AB[1]					
CASE 1 z/h ≤ 0.90		CASE 2 z/h = 0.18		CASE 3 z/h = 0.90	
Tu	Vu	Tu	Vu	Tu	Vu
2474#	423#	1468#	395#	925#	168#

OVERSTRENGTH FACTOR (Ω_o) IS APPLIED TO Vu FOR ANCHORAGE TO CONC FOR CASE 1.
OVERSTRENGTH FACTOR (Ω_o) IS APPLIED TO Tu & Vu FOR ANCHORAGE TO CONC FOR CASE 2 & 3.
[1]VALUES ARE NON-CONCURRENT. FOR A BREAKDOWN, REFER TO INDIVIDUAL COMPONENTS.



CASE 2 – SOG

(SLAB AT OR BLW GRADE)

TABLE 1	MIN	MAX
CENTRIFUGE MODULE	1.11" (28.2)	1.50" (38.2)
FOOT FRAME 40 BASIC	1.42" (36)	1.81" (46)
FOOT FRAME 80 BASIC	1.42" (36)	1.81" (46)
HYBRID (1.32 & 1.33)	0.59" (15)	0.91" (23)

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

REVIEWED FOR CODE COMPLIANCE
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE, 2025

SHEET TITLE: FLOOR SUPPORTED MODULES & ANALYZER INTERFACES SUPPORT & ATTACHMENT DETAILS

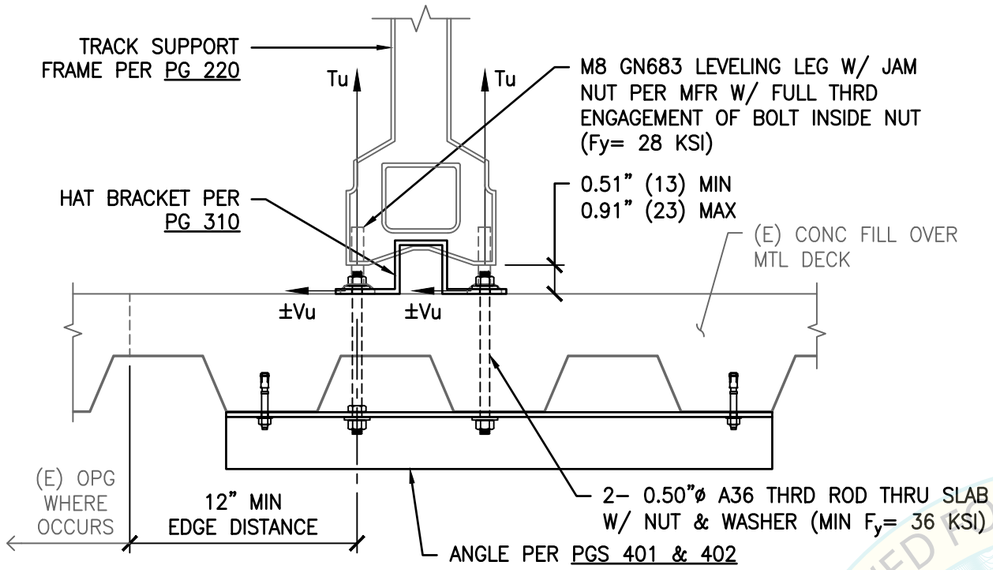
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

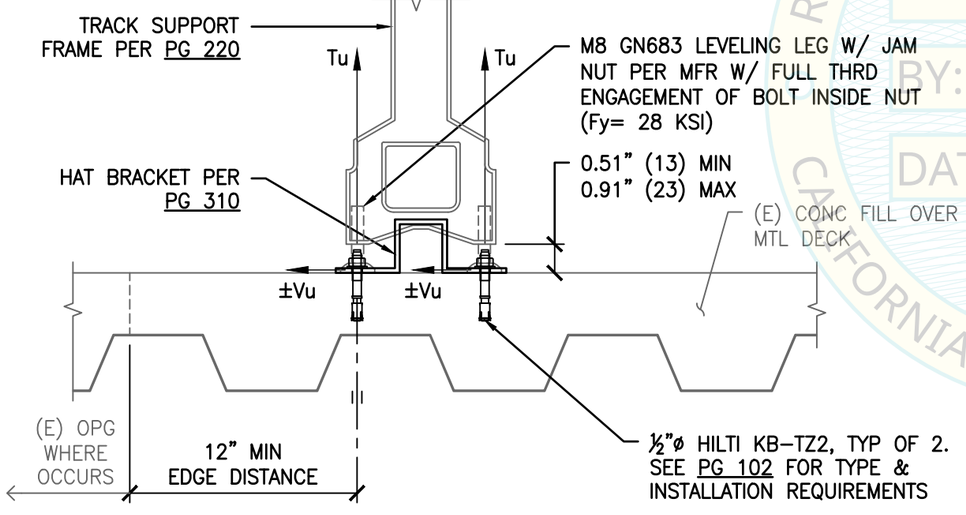
Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	403

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026-12:07pm Login:camachom Dimscale:1 LTScale:6



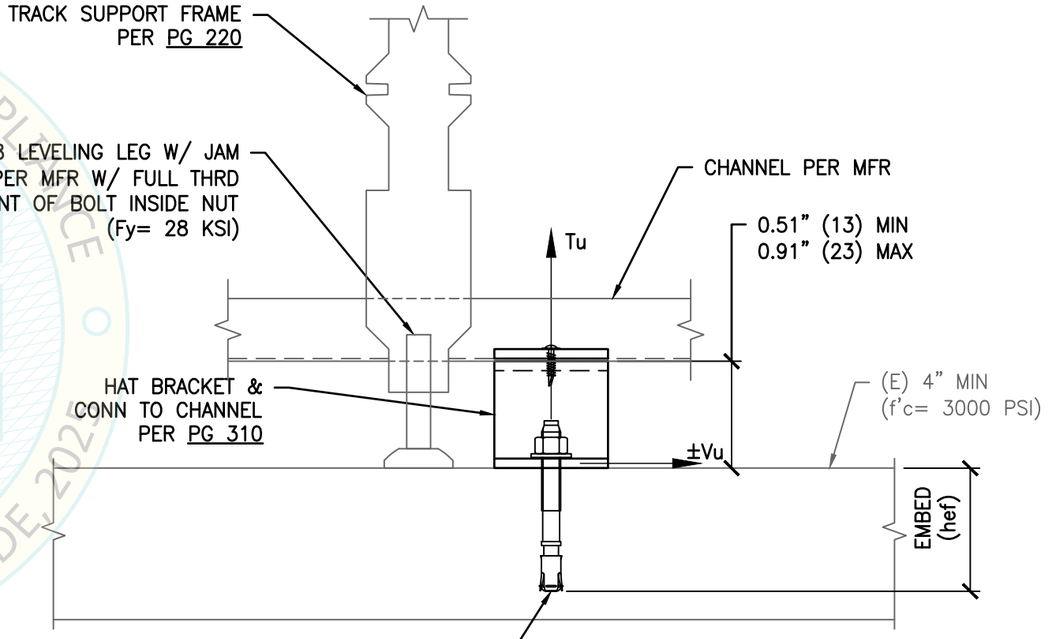
CASE 1 – SUSPENDED FLR W/ THRU–BOLTS



CASE 3 – SUSPENDED FLR W/ ANCHOR BOLTS

MAX ANCHOR FORCES AT LRFD AT EA AB[1]					
CASE 1 z/h ≤ 0.90		CASE 2 z/h = 0.18		CASE 3 z/h = 0.90	
Tu	Vu	Tu	Vu	Tu	Vu
778#	129#	433#	74#	433#	74#

OVERSTRENGTH FACTOR (Ω_o) IS APPLIED TO Vu FOR ANCHORAGE TO CONC FOR CASE 1.
OVERSTRENGTH FACTOR (Ω_o) IS APPLIED TO Tu & Vu FOR ANCHORAGE TO CONC FOR CASE 2 & 3.
[1]VALUES ARE NON–CONCURRENT. FOR A BREAKDOWN, REFER TO INDIVIDUAL COMPONENTS.



CASE 2 – SOG
(SLAB AT OR BLW GRADE)

REVIEWED FOR CODE COMPLIANCE
HCAi
OPM-0626
BY: William Staehlin
DATE: 08/12/2026
CALIFORNIA BUILDING CODE 2022

REGISTERED PROFESSIONAL ENGINEER
DIETER T SIEBALD
No. S4346
STRUCTURAL
STATE OF CALIFORNIA

NOT SEOR

SHEET TITLE: TRACKS
SUPPORT & ATTACHMENT DETAILS

ABBOTT
ABBOTT AUTOMATION SOLUTIONS - GLP SYSTEMS TRACK EQUIPMENT SUPPORT & ATTACHMENTS

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833
TEL (916) 920-2020
www.cyseng.com

Rev	Description	Date

Job No:	26018
Date:	07/09/2026
By:	MTC
Page:	404

C:\Users\camachom\AppData\Local\Temp\AcPublish_32308\S1_26018.dwg Time:Jul09,2026–12:07pm Login:camachom Dimscale:1
mmscale:1 LTScale:6