



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

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

OFFICE USE ONLY

APPLICATION #: OPM-0715

HCAI Preapproval of Manufacturer's Certification (OPM)

Type: New Renewal/Update

Manufacturer Information

Manufacturer: Sysmex America, Inc.

Manufacturer's Technical Representative: Jill Crist

Mailing Address: 577 Aptakisic Road, Lincolnshire, IL 60069

Telephone: (215) 962-8236 Email: CristJ@Sysmex.com

Product Information

Product Name: Sysmex XN-1000 on WG-10

Product Type: Automated Hematology Analyzer

Product Model Number: XN-1000

General Description: Blood Analyzer

Applicant Information

Applicant Company Name: Sysmex America, Inc.

Contact Person: Jill Crist

Mailing Address: 577 Aptakisic Road, Lincolnshire, IL 60069

Telephone: (215) 962-8236 Email: CristJ@Sysmex.com

Title: Senior Manager IVD Product Marketing

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

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY





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

Registered Design Professional Preparing Engineering Recommendations

Company Name: CYS STRUCTURAL ENGINEERS, INC.

Name: Dieter Siebald California License Number: S4346

Mailing Address: 2495 Natomas Park Drive, Suite 650, Sacramento, CA 95833

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

HCAI Special Seismic Certification Preapproval (OSP)

Special Seismic Certification is preapproved under OSP OSP Number: _____

Certification Method

Testing in accordance with: ICC-ES AC156 FM 1950-16

Other(s) (Please Specify): _____

*Use of criteria other than those adopted by the California Building Standards Code, 2022 (CBSC 2022) for component supports and attachments are not permitted. For distribution system, interior partition wall, and suspended ceiling seismic bracings, test criteria other than those adopted in the CBSC 2022 may be used when approved by HCAI prior to testing.

Analysis

Experience Data

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

HCAI Approval

Date: 11/25/2024

Name: William Staehlin Title: Senior Structural Engineer

Condition of Approval (if applicable): _____

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

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY



SYSMEX XN-1000 ON WG-10

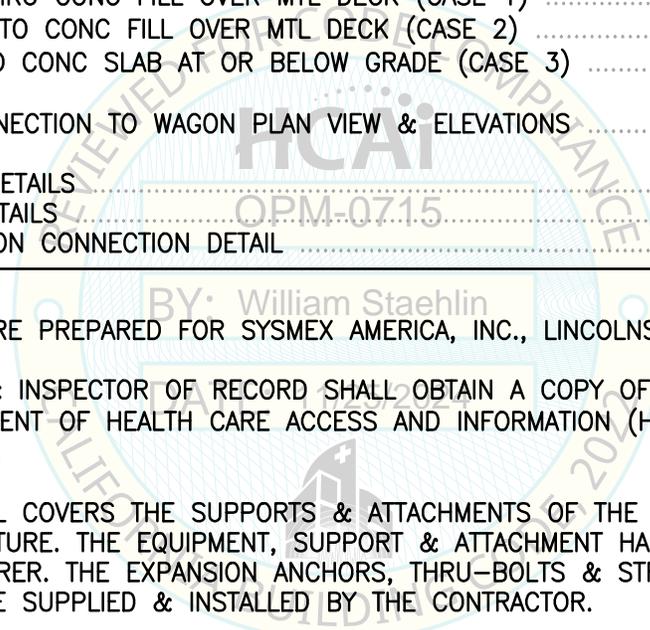


TABLE OF CONTENTS OPM-0715

	PAGE
GENERAL NOTES	2
ABBREVIATIONS	4
DESIGN CRITERIA	5
SYSMEX XN-1000 ON WG-10 PLAN VIEW & ELEVATIONS	6
LEVELING LEG DETAILS	7
BRACKET DETAIL	8
ATTACHMENT DETAILS THRU CONC FILL OVER MTL DECK (CASE 1)	9
ATTACHMENT DETAILS INTO CONC FILL OVER MTL DECK (CASE 2)	11
ATTACHMENT DETAILS TO CONC SLAB AT OR BELOW GRADE (CASE 3)	12
SYSMEX XN-1000 CONNECTION TO WAGON PLAN VIEW & ELEVATIONS	13
CONNECTOR BRACKET DETAILS	14
WAGON ATTACHMENT DETAILS	16
STP FASTENER TO WAGON CONNECTION DETAIL	17

NOTES:

1. THESE DRAWINGS ARE PREPARED FOR SYSMEX AMERICA, INC., LINCOLNSHIRE, ILLINOIS.
2. THE CONTRACTOR & INSPECTOR OF RECORD SHALL OBTAIN A COPY OF THIS PRE-APPROVAL FROM THE DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION (HCAI) PRE-APPROVAL PROGRAMS WEBSITE.
3. THIS PRE-APPROVAL COVERS THE SUPPORTS & ATTACHMENTS OF THE EQUIPMENT TO THE SUPPORTING STRUCTURE. THE EQUIPMENT, SUPPORT & ATTACHMENT HARDWARE ARE SUPPLIED BY THE MANUFACTURER. THE EXPANSION ANCHORS, THRU-BOLTS & STRUT PLATES SHOWN IN THIS OPM SHALL BE SUPPLIED & INSTALLED BY THE CONTRACTOR.



SHEET TITLE: TABLE OF CONTENTS



CYS STRUCTURAL ENGINEERS, INC.

2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833

TEL (916) 920-2020
www.cyseng.com

Job No:	23029.02
Date:	10-29-2024
Page:	1 of 17

c:\Users\comachom\appdata\local\temp\AcPublish_40000\S1_XN1000_WG-10.dwg Time:Nov04,2024-01:17pm Login:comachom DimScale:12 LScale:6

SYSMEX XN-1000 ON WG-10



GENERAL NOTES:

1. THIS HCAI PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE CBC 2022. THE DEMAND (DESIGN FORCES) FOR USE W/ THIS OPM SHALL BE BASED ON THE CBC 2022.
2. IT IS THE RESPONSIBILITY OF THE SEOR FOR A SITE SPECIFIC PROJECT TO VERIFY:
 - A. THE ADEQUACY OF THE NEW OR EXISTING STRUCTURE TO RESIST THE FORCES & WT SPECIFIED FOR EA 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 OPGS.
 - C. THAT THE FLR ANCHORS ARE LOCATED AT AN ADEQUATE DISTANCE FROM ANY NEW OR EXISTING ANCHORS. THE SPCG SHOWN IN THE EXPANSION ANCHOR TABLE ON PG 3 IS THE REQ MIN SPCG OF THE GIVEN DIA ANCHORS. THE REQ SPCG FROM ANCHORS OF OTHER DIAMETERS & EMBEDMENTS MAY VARY & SHALL BE EVALUATED BY THE SEOR.
 - D. THAT THE INSTALLATION IS IN CONFORMANCE W/ THE CBC 2022 & W/ THE DETAILS SHOWN IN THIS PRE-APPROVAL.
 - E. THAT THE ACTUAL EQUIP'S WT, CENTER OF GRAVITY (CG) LOCATION, ANCHOR LOCATIONS, ANCHOR DETAILS, & THE MATERIAL & GAUGE OF THE EQUIP WHERE ATTACHMENTS ARE MADE, AGREE W/ THE INFO 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 STEEL HILTI KB-TZ2 EXPANSION ANCHORS AS NOTED COMPLYING W/ ESR-4266 REISSUED DECEMBER 2023.
 - 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 EXPANSION ANCHOR TABLE ON PG 3.
 - B. JOB TESTING: FOR VERIFYING SATISFACTORY INSTALLATION WORKMANSHIP, PERFORM JOBSITE TESTING IN ACCORDANCE W/ THE EXPANSION ANCHOR TABLE PROVIDED IN THIS DOCUMENT. TORQUE TEST 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 HCAI. 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 NUT SHALL BE RETORQUED TO INSTALLATION TORQUE AFTER EQUIPMENT INSTALL. ALSO REFER TO 2022 CBC 1910A.5 "TESTS FOR POST-INSTALLED ANCHORS IN CONCRETE". REPORT OF TEST RESULTS SHALL BE SUBMITTED TO HCAI.
 - C. FAILURE/ACCEPTANCE CRITERIA: THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:
 - TORQUE WRENCH METHOD: THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN THE FOLLOWING LIMITS:
WEDGE TYPE: ONE-HALF (1/2) TURN OF THE NUT.
 - D. AVOID DAMAGING (E) STL REINF IN CONC SLAB WHEN INSTALLING CONC EXPANSION ANCHORS.
 - E. PROVIDE FOR FULL THRD ENGAGEMENT OF NUT & WASHER.
4. BOLTS THRU CONC ON MTL DECK:
 - A. BOLTS SHALL BE TORQUED BY 3/4 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 CONN IN TENSION DO NOT REQUIRE TESTING.



SHEET TITLE: GENERAL NOTES



CYS STRUCTURAL ENGINEERS, INC.

2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833

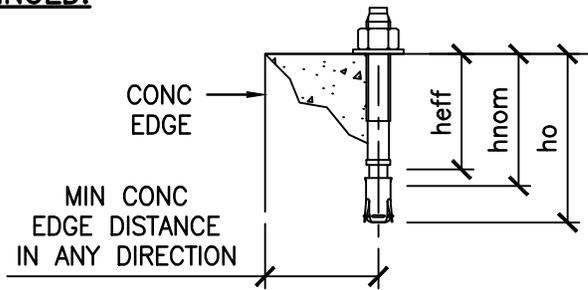
TEL (916) 920-2020
www.cyseng.com

Job No:	23029.02
Date:	10-29-2024
Page:	2 of 17

SYSMEX XN-1000 ON WG-10



GENERAL NOTES CONTINUED:



EXPANSION ANCHOR TABLE

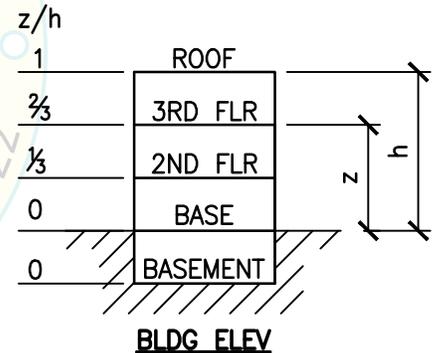
CONDITION OF ANCHORAGE	ANCHOR DIA & TYPE (INCH)	INSTALLATION EMBED (INCH) hnom	EFFECTIVE EMBED (INCH) hef	HOLE DEPTH (INCH) ho	MIN CONCRETE THK (INCH) h	MIN CONCRETE EDGE DISTANCE (INCH)	MIN ANCHOR SPCG (INCH)	TEST TORQUE (FT-LBS)
CASE 1 STRUT R'S	3/8 KB-TZ2	1 3/16	1 1/2	2	3/4	6	SEE PG 10	25
CASE 2	1/2 KB-TZ2	2 1/2	2	2 3/4	3/4	8	3	40
CASE 3	1/2 KB-TZ2	2 1/2	2	2 3/4	4	8	3	40

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

CASE 1: ATTACHMENT DETAILS LOCATED AT UPPER FLRS ABV THE BASE OF A BLDG. THE FLRS ARE ASSUMED TO BE BUILT OF A MIN 3/4" SLWC TOPPING OVER 3" DEEP MIN 20 GA MTL DECK (f'c = 3000 PSI, MIN). ANCHORS SHALL BE CARBON STEEL THRD ROD THRU CONCRETE FILL & MTL DECK.

CASE 2: ATTACHMENT DETAILS LOCATED AT UPPER FLRS ABV THE BASE OF A BLDG. THE FLRS ARE ASSUMED TO BE BUILT OF A MIN 3/4" SLWC TOPPING OVER 3" DEEP MIN 20 GA MTL DECK (f'c = 3000 PSI, MIN). ANCHORS SHALL BE 304 SS & INTO CONCRETE FILL.

CASE 3: ATTACHMENT DETAILS LOCATED AT OR BLW THE BASE OF A BLDG. THE FLRS ARE ASSUMED TO BE BUILT OF A MIN 4" NWC SLAB (f'c = 3000 PSI, MIN). ANCHORS SHALL BE 304 SS.



SHEET TITLE: GENERAL NOTES (CONTINUED)



CYS STRUCTURAL ENGINEERS, INC.

2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833

TEL (916) 920-2020
www.cyseng.com

Job No: 23029.02
Date: 10-29-2024
Page: 3 of 17

c:\Users\comachom\appdata\local\temp\AcPublish_40000\S1_XN1000_WG-10.dwg Time:Nov04,2024-01:17pm Login:comachom DimScale:12 LScale:6

SYSTEMX XN-1000 ON WG-10



ABBREVIATIONS:

AB	ANCHOR BOLT	NO. (#)	NUMBER OR POUNDS
ABV	ABOVE	NWC	NORMAL WEIGHT CONCRETE
ADJ	ADJACENT	OP	OPERATING
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	OPG	OPENING
BLDG	BUILDING	OPM	HCAI PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION
BLW	BELOW	PERP	PERPENDICULAR
CBC	CALIFORNIA BUILDING CODE	PG	PAGE
CG	CENTER OF GRAVITY	PL	PLATE
CL	CENTERLINE	PSI	POUNDS PER SQUARE INCH
CONC	CONCRETE	REQ	REQUIRED
CONN	CONNECTION	SEOR	STRUCTURAL ENGINEER OF RECORD
COORD	COORDINATE	SLWC	SAND-LIGHTWEIGHT CONCRETE
DIA (φ)	DIAMETER	SPCG	SPACING
DIM	DIMENSION	STL	STEEL
(E)	EXISTING CONDITION	THK	THICK/THICKNESS
EA	EACH	Tu	ANCHORAGE TENSION REACTION DUE TO SEISMIC FORCE AT LRFD
EE	EACH END	THRD	THREAD OR THREADED
ELEV	ELEVATION	T&B	TOP & BOTTOM
EQ	EQUAL	TYP	TYPICAL
EQUIP	EQUIPMENT	Vu	ANCHORAGE SHEAR REACTION DUE TO SEISMIC FORCE AT LRFD
f'c	MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE	W/	WITH
FLR	FLOOR	Wp	COMPONENT OPERATING WEIGHT
Fy	SPECIFIED YIELD STRENGTH OF REINFORCING, PS OF STEEL, KSI	WT	WEIGHT
GA	GAUGE		
HCAI	DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION		
ICC	INTERNATIONAL CODE COUNCIL		
IN (")	INCH		
INFO	INFORMATION		
KSI	KIPS PER SQUARE INCH		
LBS	POUNDS		
LRFD	LOAD & RESISTANCE FACTOR DESIGN		
MAX	MAXIMUM		
MIN	MINIMUM		
MFR	MANUFACTURER		
mm	MILLIMETER		
MTL	METAL		



SHEET TITLE: ABBREVIATIONS



CYS STRUCTURAL ENGINEERS, INC.

2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833

TEL (916) 920-2020
www.cyseng.com

Job No:	23029.02
Date:	10-29-2024
Page:	4 of 17

c:\Users\comachom\appdata\local\temp\AcPublish_40000\S1_XN1000_WG-10.dwg Time:Nov04,2024-01:17pm Login:comachom DimScale:12 LScale:6

SYSTEMX XN-1000 ON WG-10



DESIGN CRITERIA:

1. SUPPORT & ATTACHMENT DESIGN IS PER 2022 CBC AT LRFD LEVEL FORCES.

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

$$q_p = 1.0 \quad R_p = 1.5 \quad I_p = 1.5 \quad \Omega_0 = 1.5 \text{ (FOR CONC ANCHORS ONLY)}$$

W_p AS NOTED ON DRAWINGS

UPPER FLRS ABV THE BASE OF BLDG

$$\begin{array}{ll} \text{CASE 1:} & S_{DS} \leq 1.300 \quad F_p = 1.300 W_p \quad z/h \leq 0.75 \\ \text{CASE 2:} & S_{DS} < 0.750 \quad F_p = 0.750 W_p \quad z/h \leq 0.75 \end{array}$$

FLRS AT OR BLW THE BASE OF BLDG

$$\text{CASE 3:} \quad S_{DS} \leq 2.50 \quad F_p = 1.125 W_p \quad z/h \leq 0$$

LOAD COMBINATIONS

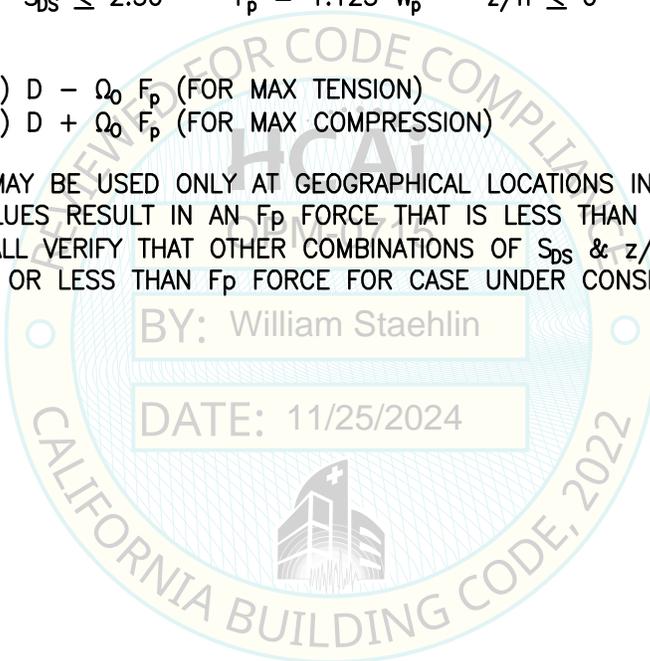
$$(0.9 - 0.2 S_{DS}) D - \Omega_0 F_p \text{ (FOR MAX TENSION)}$$

$$(1.2 + 0.2 S_{DS}) D + \Omega_0 F_p \text{ (FOR MAX COMPRESSION)}$$

2. THIS PRE-APPROVAL MAY BE USED ONLY AT GEOGRAPHICAL LOCATIONS IN THE STATE OF CALIFORNIA WHERE S_{DS} & z/h VALUES RESULT IN AN F_p FORCE THAT IS LESS THAN OR EQ TO THE VALUE NOTED ABV. SEOR SHALL VERIFY THAT OTHER COMBINATIONS OF S_{DS} & z/h MUST RESULT IN AN F_p VALUE THAT IS EQ TO OR LESS THAN F_p FORCE FOR CASE UNDER CONSIDERATION.

BY: William Staehlin

DATE: 11/25/2024



SHEET TITLE: DESIGN CRITERIA



CYS STRUCTURAL ENGINEERS, INC.

2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833

TEL (916) 920-2020
www.cyseng.com

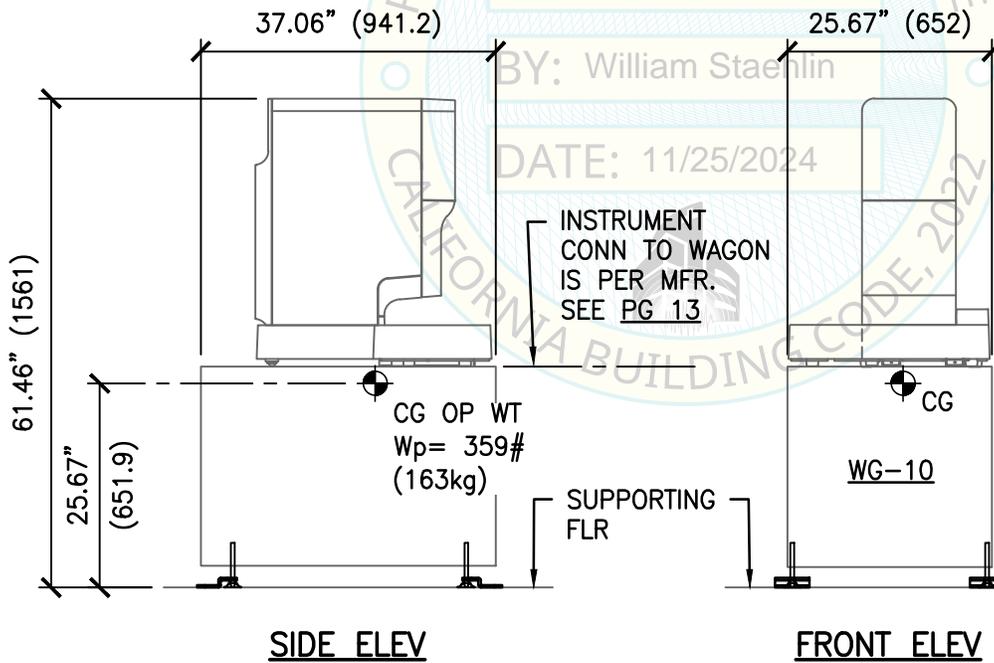
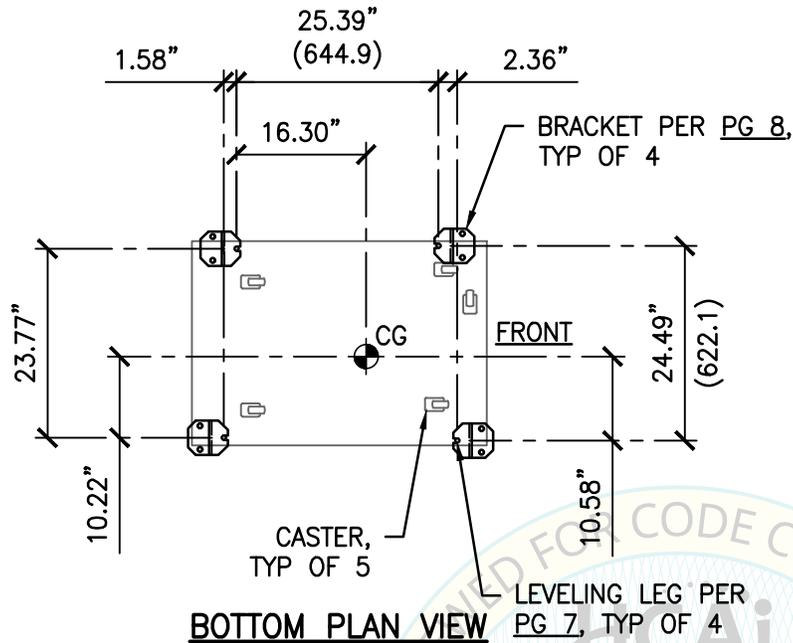
Job No:	23029.02
Date:	10-29-2024
Page:	5 of 17

c:\Users\comachom\appdata\local\temp\AcPublish_40000\S1_XN1000_WG-10.dwg Time:Nov04,2024-01:17pm Login:comachom DimScale:12 LITScale:6

SYSMEX XN-1000 ON WG-10



NOTES:
 1. FOR COMPONENT CONNS TO SUPPORT, SEE PG 7.
 2. DIMS IN PARENTHESES ARE mm & kg, TYP THIS OPM.



SHEET TITLE: SYSMEX XN-1000 ON WG-10
 PLAN VIEW & ELEVATIONS



CYS STRUCTURAL ENGINEERS, INC.

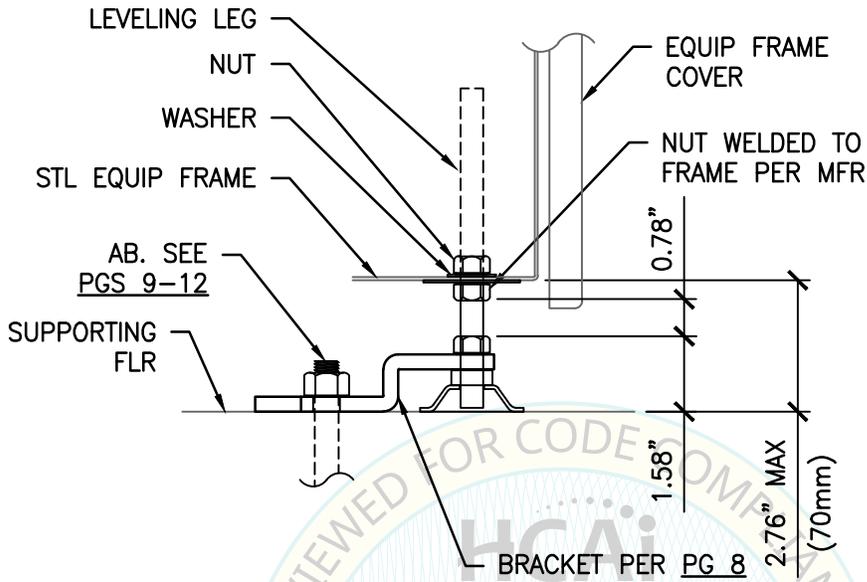
2710 GATEWAY OAKS DRIVE, SUITE 190N
 SACRAMENTO, CA 95833

TEL (916) 920-2020
 www.cyseng.com

Job No:	23029.02
Date:	10-29-2024
Page:	6 of 17

c:\Users\comachom\appdata\local\temp\AcPublish_54132\S1_XN1000_WG-10.dwg Time:Nov20,2024-11:35am Login:comachom Dimscale:1 LTScale:6

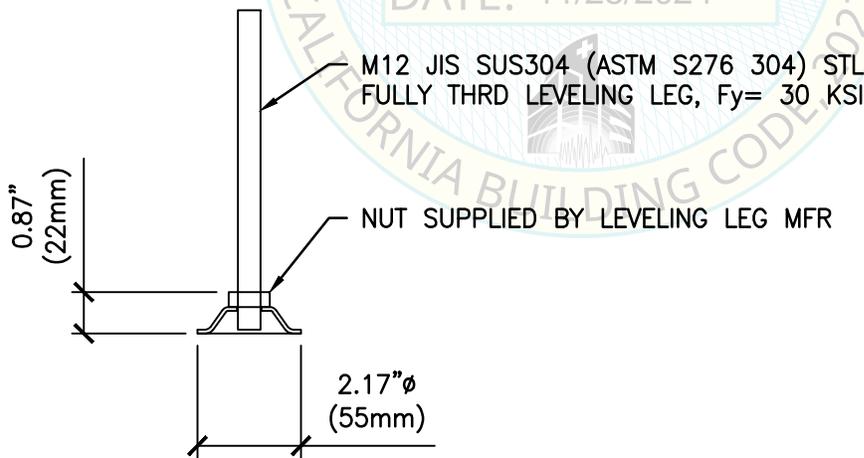
SYSMEX XN-1000 ON WG-10



ELEV VIEW

BY: William Staehlin

DATE: 11/25/2024



SHEET TITLE: LEVELING LEG DETAILS



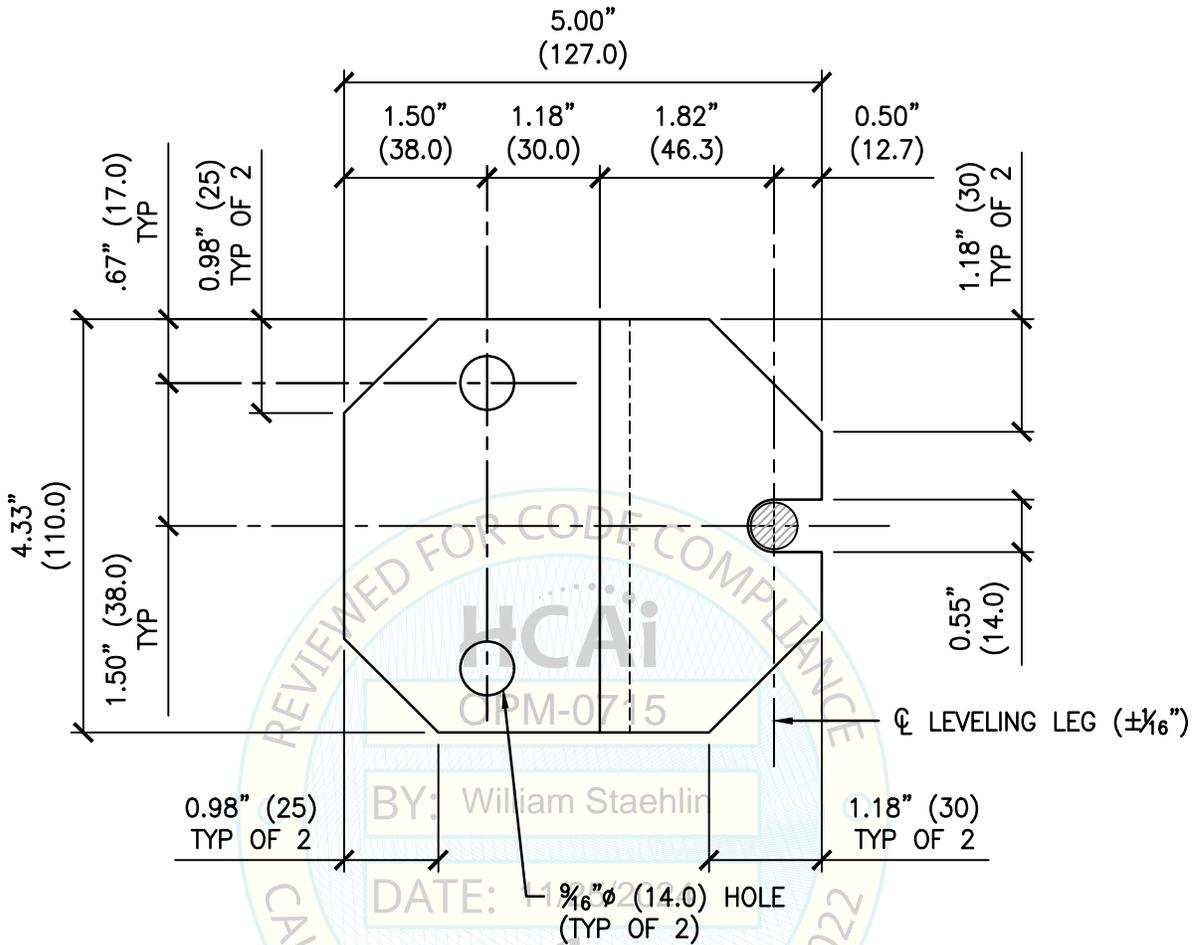
CYS STRUCTURAL ENGINEERS, INC.

2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833

TEL (916) 920-2020
www.cyseng.com

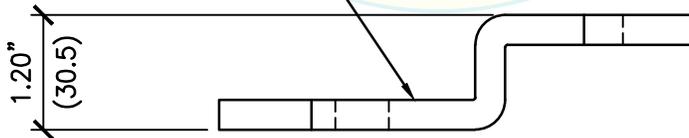
Job No:	23029.02
Date:	10-29-2024
Page:	7 of 17

SYSTEMEX XN-1000 ON WG-10



**BRACKET
PLAN VIEW**

$5/16$ " (8) THK JIS
G3101-10 GRADE SS400
($F_y = 35.53$ KSI MIN)



**BRACKET
SIDE VIEW**



SHEET TITLE: BRACKET DETAIL



CYS STRUCTURAL ENGINEERS, INC.

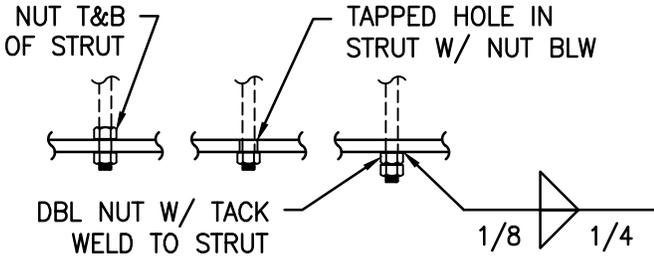
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833

TEL (916) 920-2020
www.cyseng.com

Job No:	23029.02
Date:	10-29-2024
Page:	8 of 17

c:\Users\comachom\appdata\local\temp\AcPublish_40000\S1_XN1000_WG-10.dwg Time:Nov04,2024-01:17pm Login:comachom Dimstyle:12 LScale:6

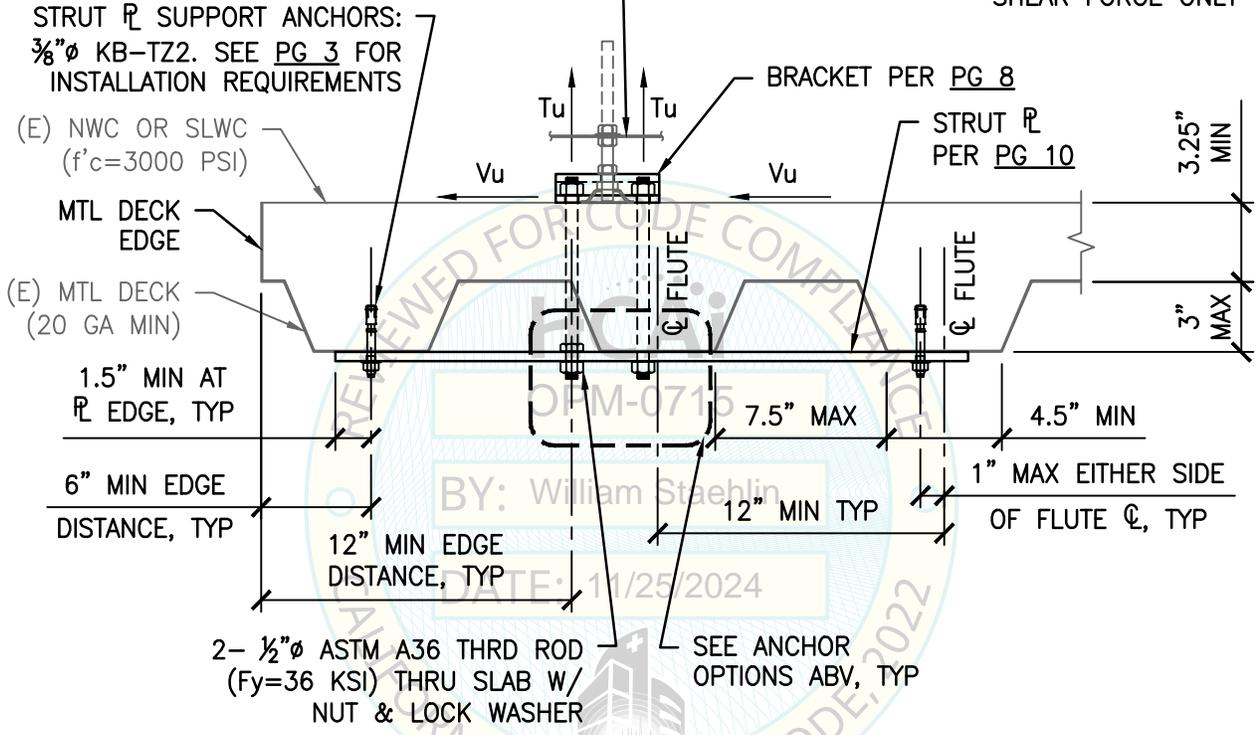
SYSMEX XN-1000 ON WG-10



MAX ANCHOR FORCES AT LRFD AT EA AB (LBS)		
	Tu	Vu
CASE 1 z/h ≤ 0.75	659#	287#

($\Omega_o = 1.5$) OVERSTRENGTH FACTOR IS APPLIED TO SHEAR FORCE ONLY

ANCHOR OPTIONS

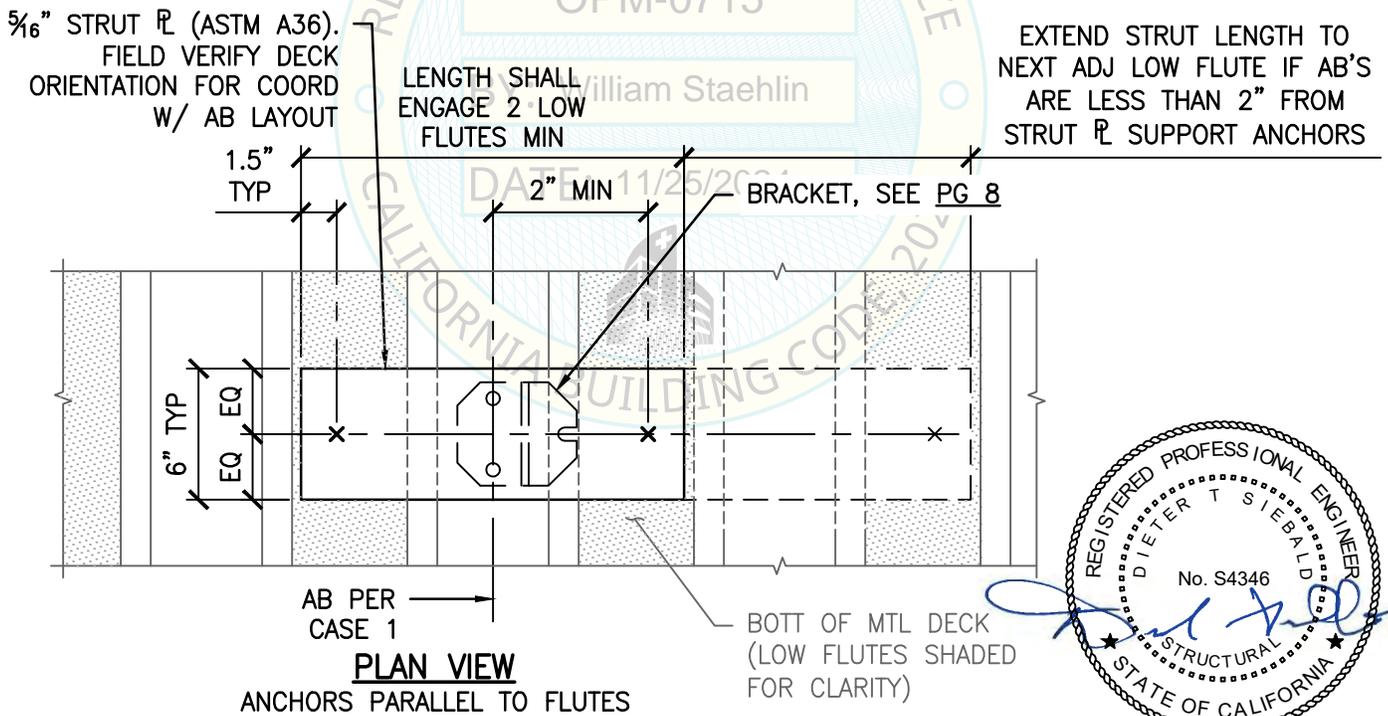
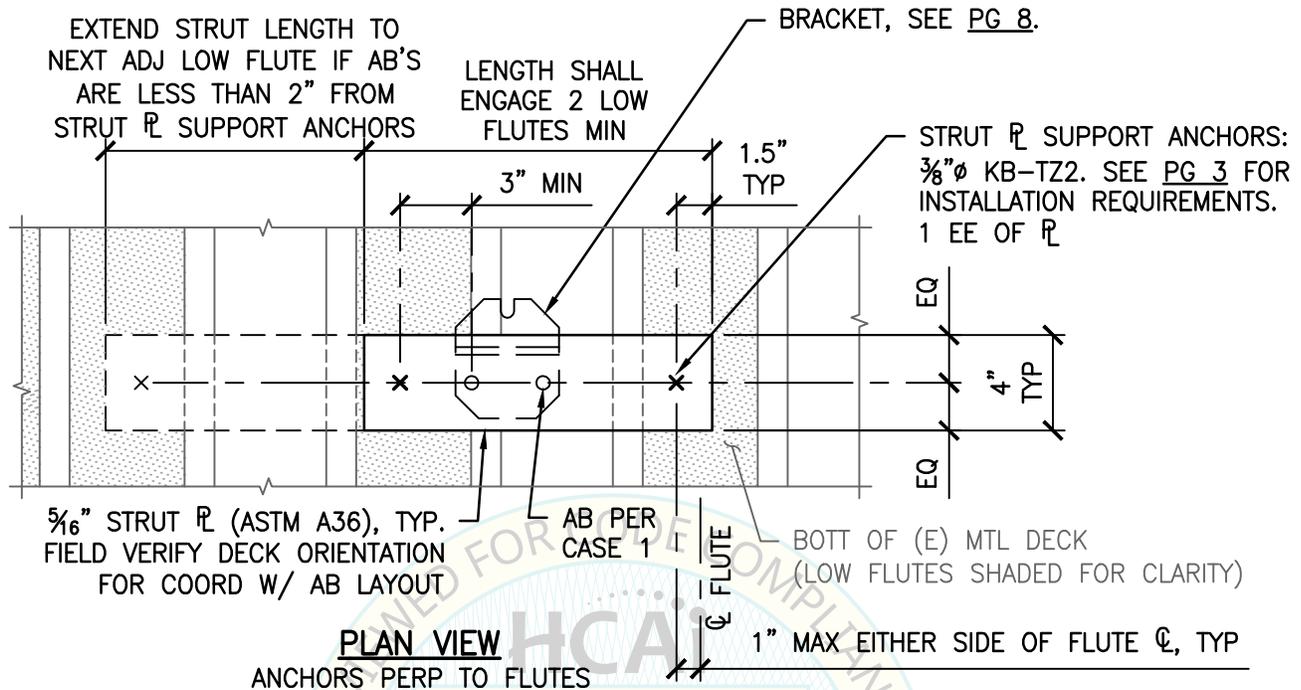


SHEET TITLE: ATTACHMENT DETAILS THRU CONCRETE FILL OVER METAL DECK (CASE 1)

<p>CYS STRUCTURAL ENGINEERS, INC. 2710 GATEWAY OAKS DRIVE, SUITE 190N SACRAMENTO, CA 95833</p>	TEL (916) 920-2020 www.cyseng.com	Job No: 23029.02 Date: 10-29-2024 Page: 9 of 17
---	--------------------------------------	---

c:\Users\comachom\appdata\local\temp\AcPublish_40000\S1_XN1000_WG-10.dwg Time:Nov04,2024-01:17pm Login:comachom DimScale:12 LITScale:6

SYSTEMX XN-1000 ON WG-10



SHEET TITLE: ATTACHMENT DETAILS THRU CONCRETE FILL OVER METAL DECK (CASE 1)



CYS STRUCTURAL ENGINEERS, INC.

2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833

TEL (916) 920-2020
www.cyseng.com

Job No:	23029.02
Date:	10-29-2024
Page:	10 of 17

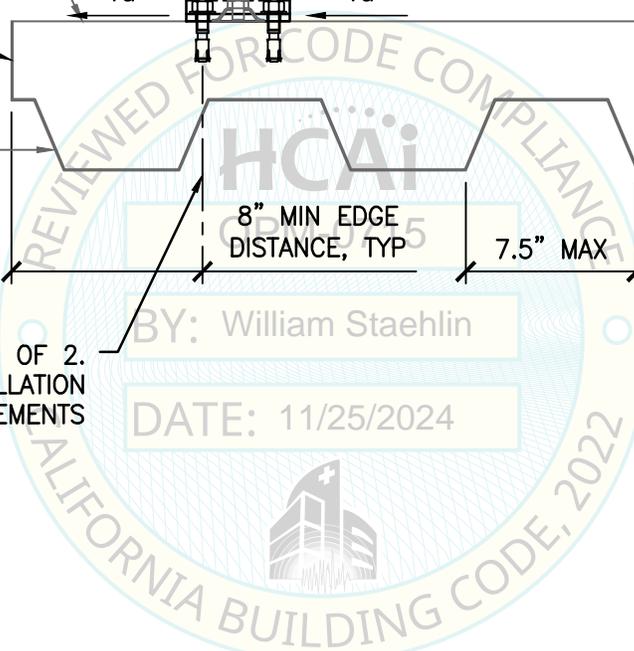
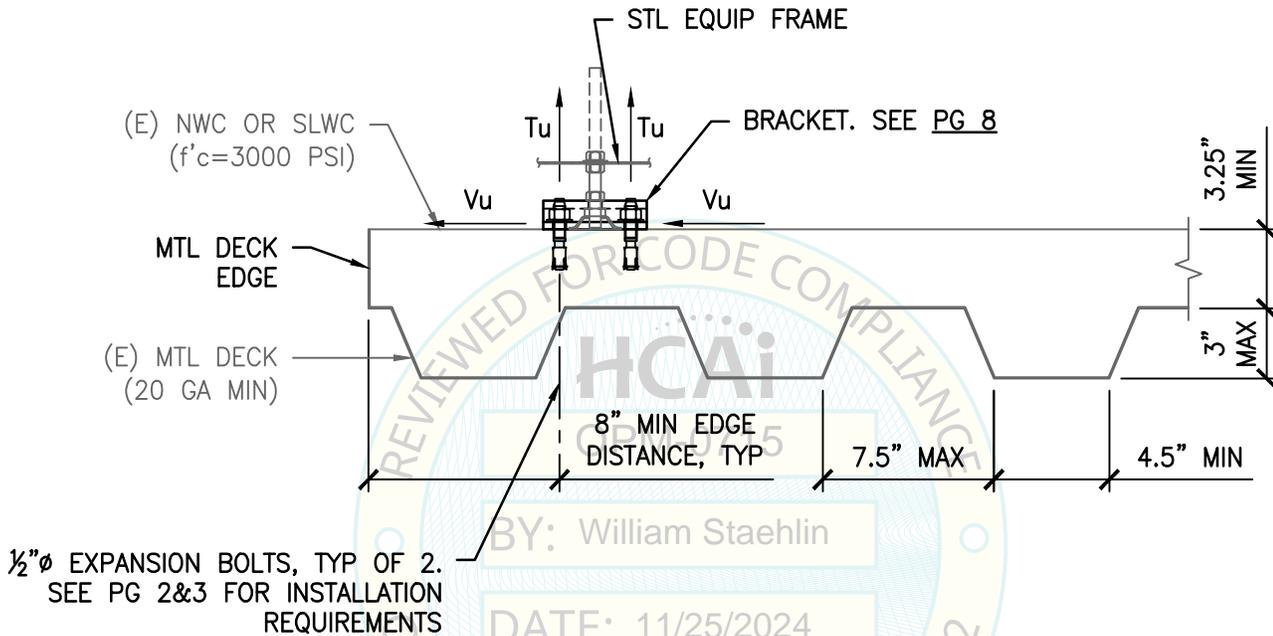
c:\Users\comachom\appdata\local\temp\AcPublish_40000\S1_XN1000_WG-10.dwg Time:Nov04,2024-01:17pm Login:comachom DimScale:12 LScale:6

SYSMEX XN-1000 ON WG-10



CASE 2 $z/h \leq 0.75$	MAX ANCHOR FORCES AT LRFD AT EA AB (LBS)	
	Tu	Vu
	538#	165#

INCLUDES OVERSTRENGTH FACTOR ($\Omega_0=1.5$)



SHEET TITLE: ATTACHMENT DETAILS INTO
CONCRETE FILL OVER METAL DECK (CASE 2)

<p>CYS STRUCTURAL ENGINEERS, INC. 2710 GATEWAY OAKS DRIVE, SUITE 190N SACRAMENTO, CA 95833</p>	TEL (916) 920-2020 www.cyseng.com	Job No: 23029.02 Date: 10-29-2024 Page: 11 of 17
---	--------------------------------------	--

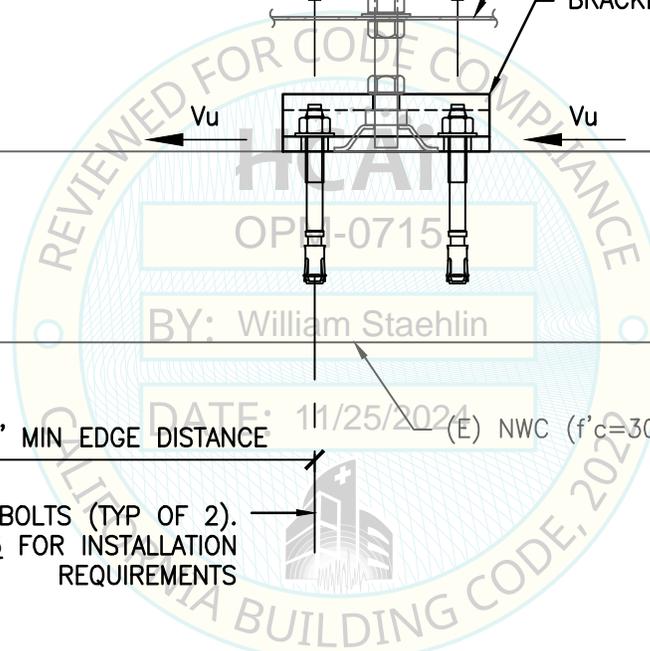
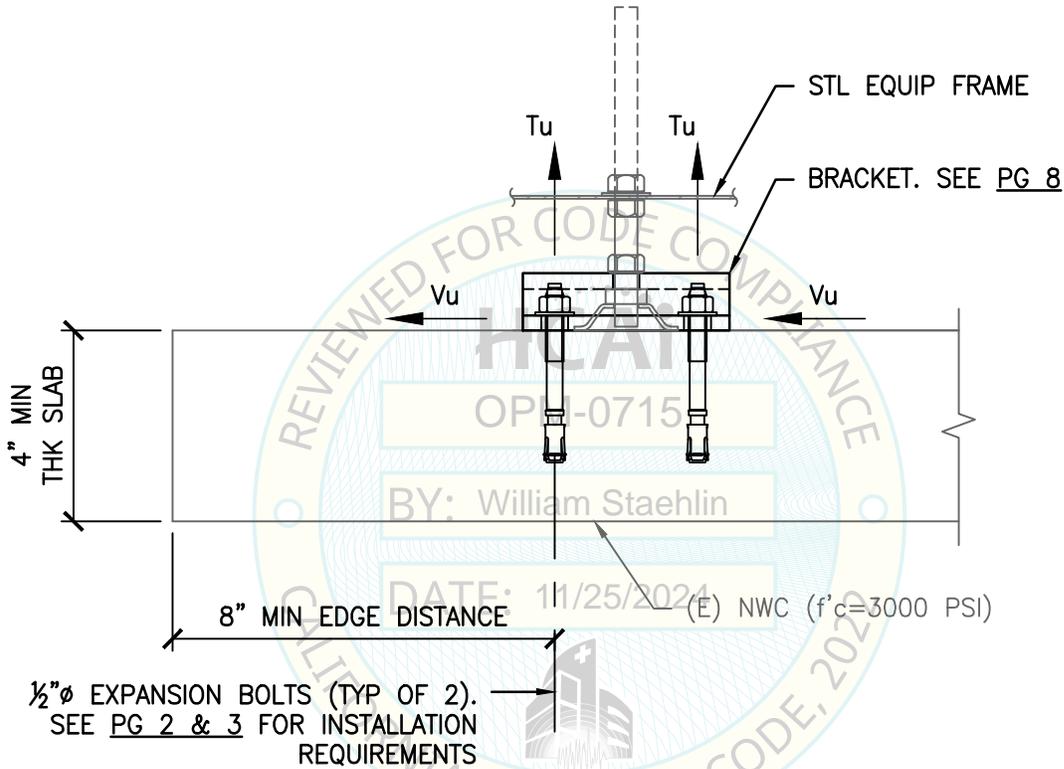
c:\Users\comachom\appdata\local\temp\AcPublish_40000\S1_XN1000_WG-10.dwg Time:Nov04,2024-01:17pm Login:comachom DimScale:12 LITScale:6

SYSMEX XN-1000 ON WG-10



MAX ANCHOR FORCES AT LRFD AT EA AB (LBS)		
	Tu	Vu
CASE 3 z/h ≤ 0	947#	248#

INCLUDES OVERSTRENGTH FACTOR ($\Omega_0=1.5$)

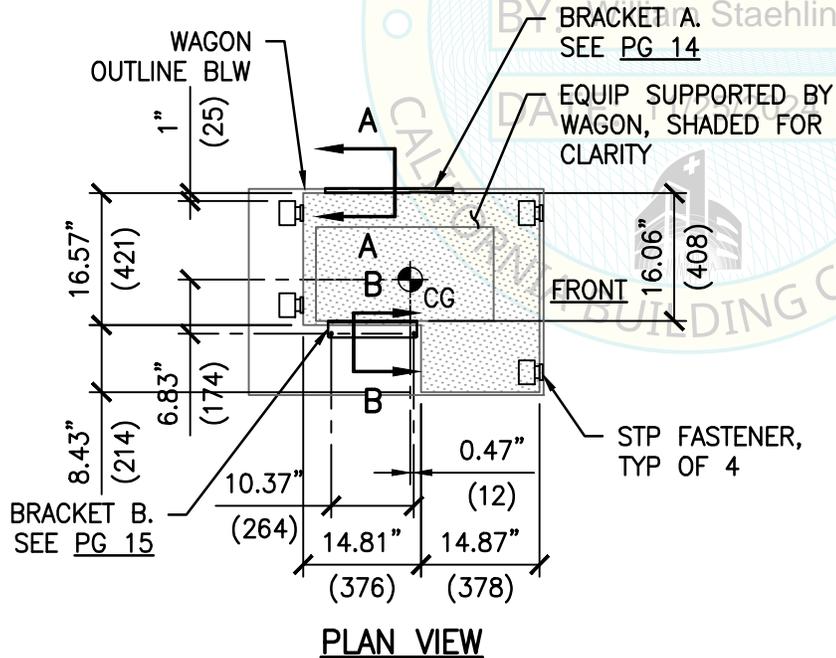
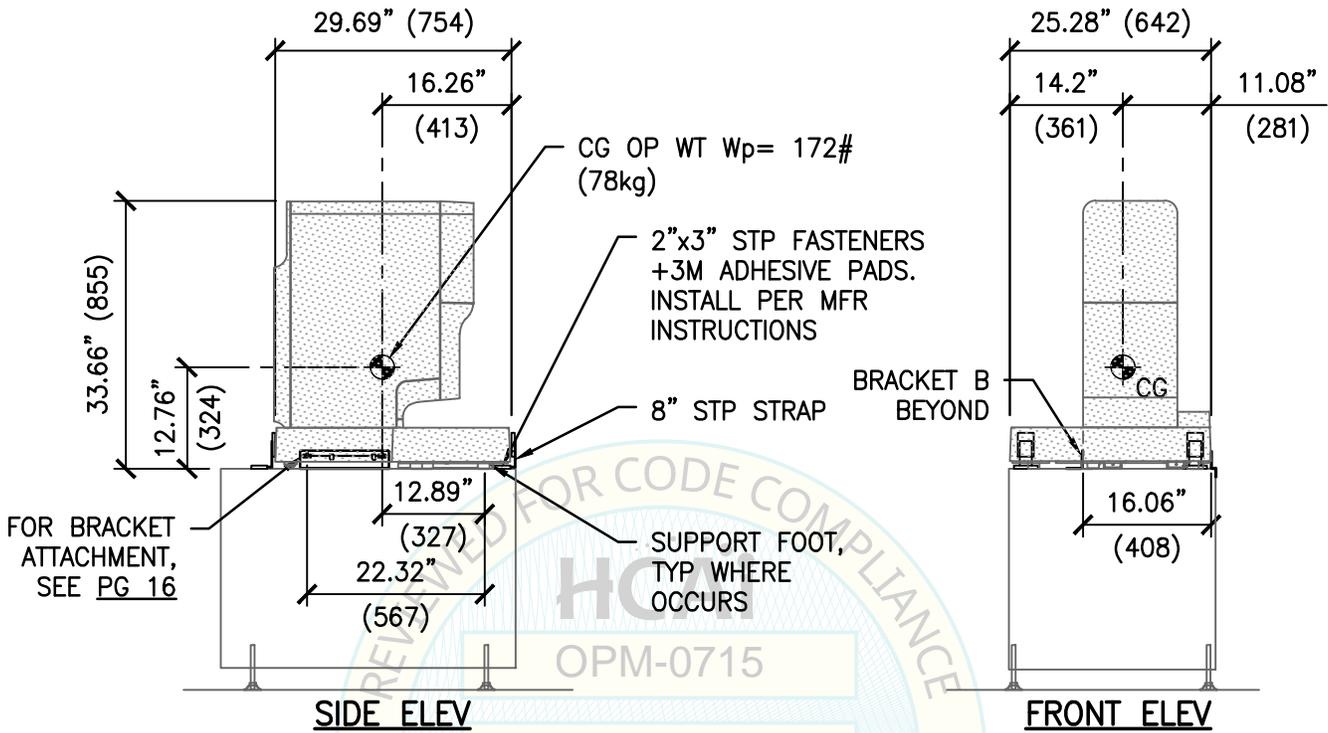


SHEET TITLE: ATTACHMENT DETAILS TO
CONCRETE SLAB AT OR BELOW GRADE (CASE 3)

<p>CYS STRUCTURAL ENGINEERS, INC. 2710 GATEWAY OAKS DRIVE, SUITE 190N SACRAMENTO, CA 95833</p>	<p>TEL (916) 920-2020 www.cyseng.com</p>	Job No: 23029.02
		Date: 10-29-2024
		Page: 12 of 17

c:\Users\comachom\appdata\local\temp\AcPublish_40000\S1_XN1000_WG-10.dwg Time:Nov04,2024-01:17pm Login:comachom Dimscale:12 LScale:6

SYSMEX XN-1000 ON WG-10



- NOTES:**
1. DIMS SHOWN ARE TO \O OF BRACKET HOLES.
 2. SEE PG 16 FOR SECTIONS A-A & B-B.
 3. SEE PG 17 FOR ADHESIVE PAD FASTENING DETAIL.

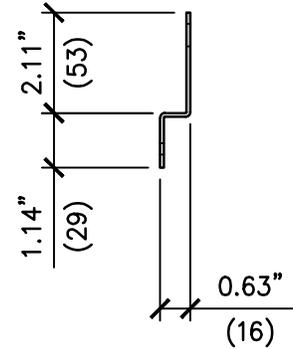
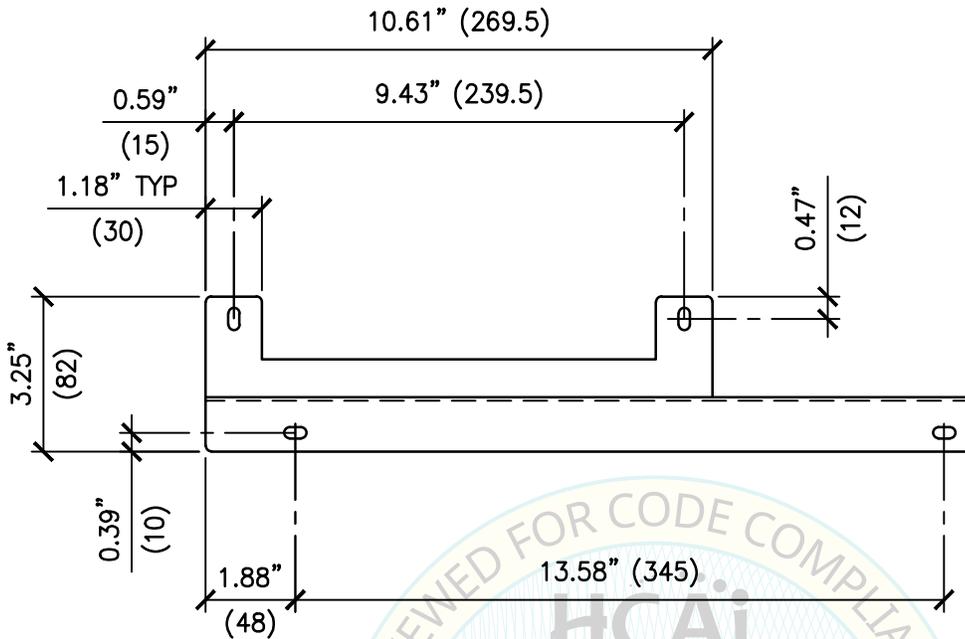


SHEET TITLE: SYSMEX XN-1000 CONNECTION TO WAGON
PLAN VIEW & ELEVATIONS

<p>CYS STRUCTURAL ENGINEERS, INC. 2710 GATEWAY OAKS DRIVE, SUITE 190N SACRAMENTO, CA 95833</p>	TEL (916) 920-2020 www.cyseng.com	Job No: 23029.02 Date: 10-29-2024 Page: 13 of 17
---	--------------------------------------	--

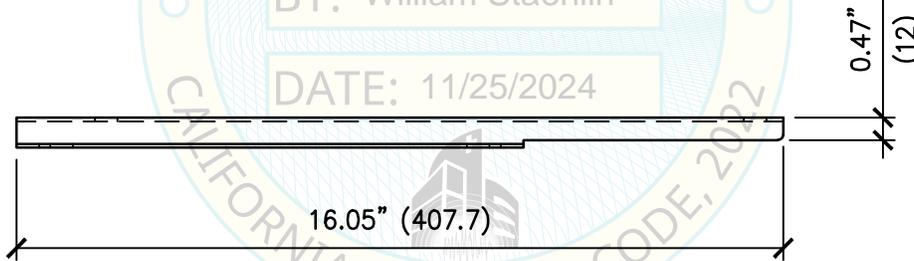
c:\Users\comachom\appdata\local\temp\AcPublish_54132\S1_XN1000_WG-10.dwg Time:Nov20,2024-11:35am Login:comachom Dimscale:1 L1Scale:6

SYSTEMX XN-1000 ON WG-10

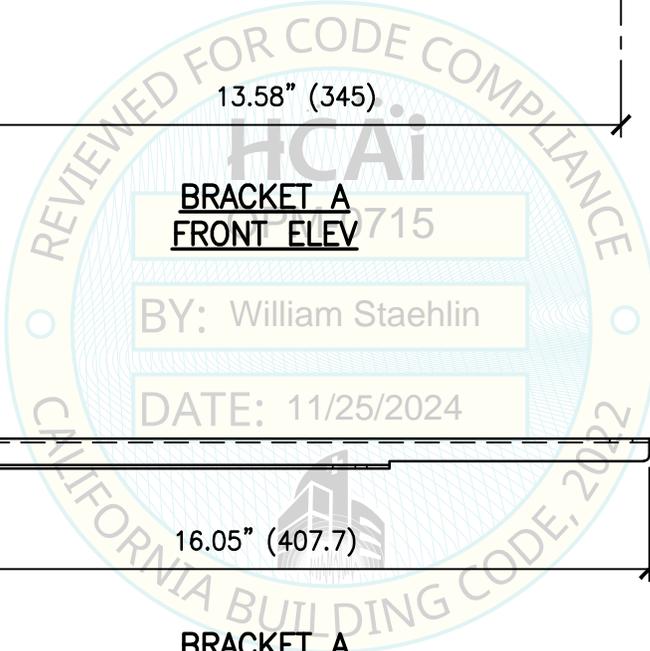


**BRACKET A
FRONT ELEV**

**BRACKET A
SIDE ELEV**



**BRACKET A
PLAN VIEW**

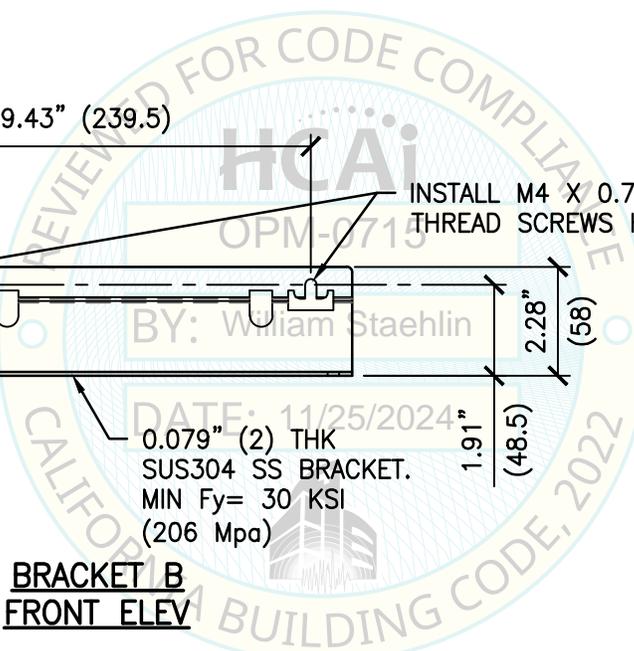
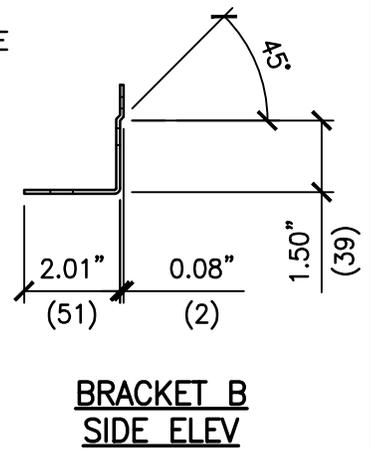
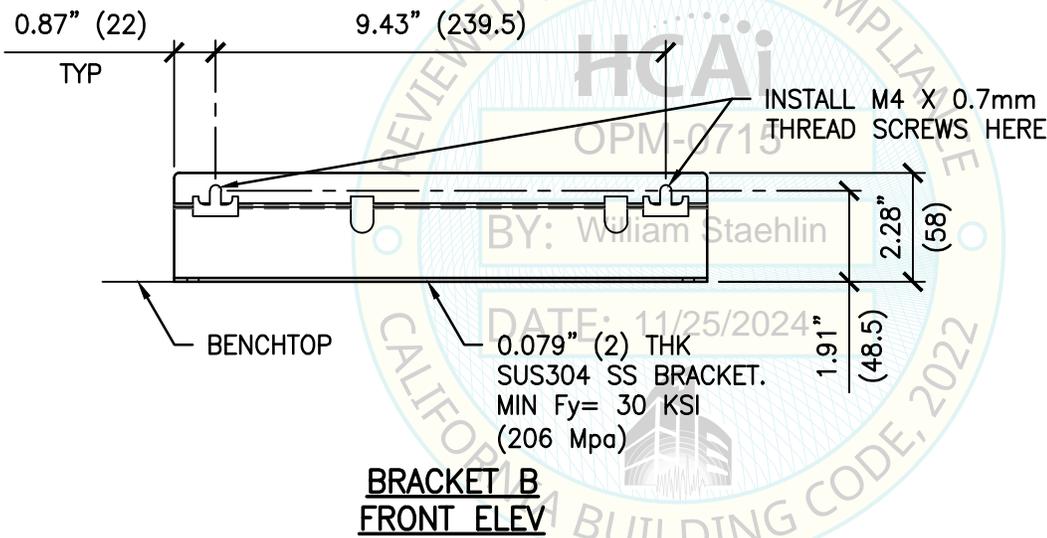
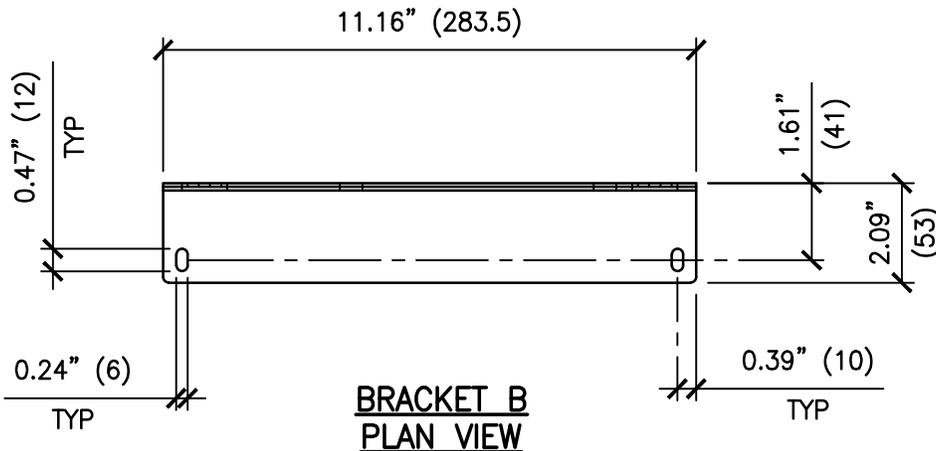


SHEET TITLE: BRACKET DETAIL

<p>CYS STRUCTURAL ENGINEERS, INC. 2710 GATEWAY OAKS DRIVE, SUITE 190N SACRAMENTO, CA 95833</p>	TEL (916) 920-2020 www.cyseng.com	Job No: 23029.02 Date: 10-29-2024 Page: 14 of 17

c:\Users\comachom\appdata\local\temp\AcPublish_40000\S1_XN1000_WG-10.dwg Time:Nov04,2024-01:17pm Login:comachom Dimstyle:12 L1Scale:6

SYSMEX XN-1000 ON WG-10



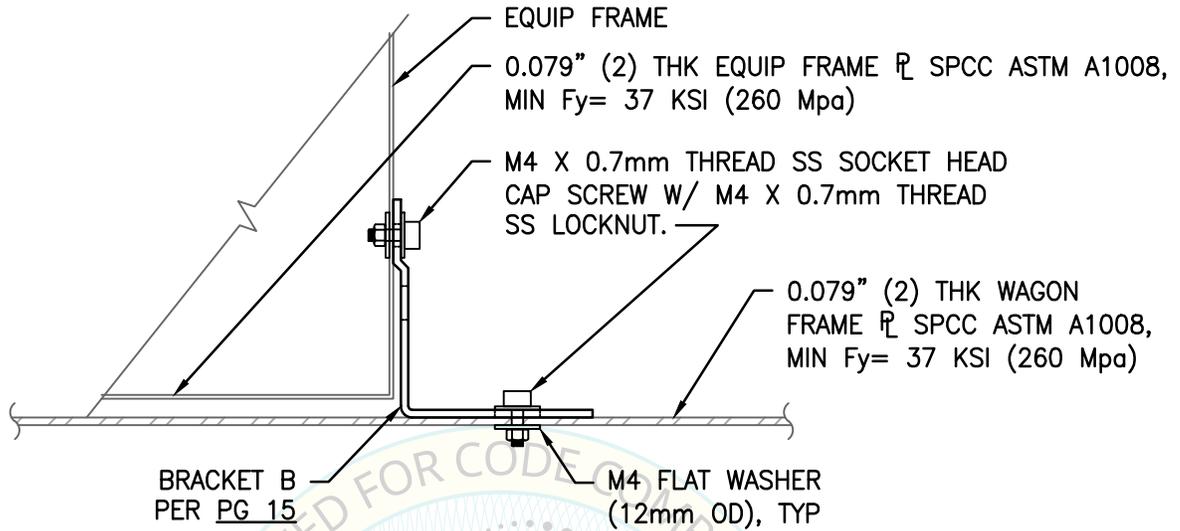
Handwritten signature of Dieter T. Siebald

c:\Users\comachom\appdata\local\temp\AcPublish_40000\S1_XN1000_WG-10.dwg Time:Nov04,2024-01:17pm Login:comachom Dimstyle:12 LTScale:6

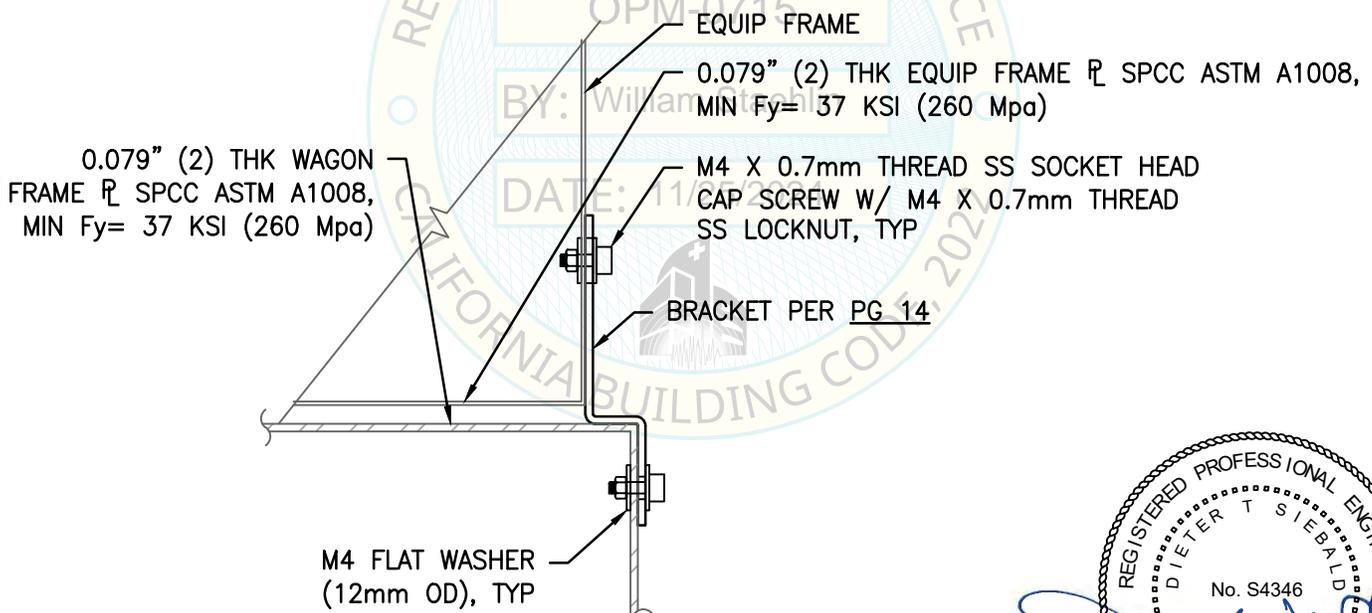
SHEET TITLE: BRACKET DETAIL

<p>CYS STRUCTURAL ENGINEERS, INC. 2710 GATEWAY OAKS DRIVE, SUITE 190N SACRAMENTO, CA 95833</p>	TEL (916) 920-2020 www.cyseng.com	Job No: 23029.02 Date: 10-29-2024 Page: 15 of 17

SYSMEX XN-1000 ON WG-10



WAGON CONNECTION SECTION B-B



WAGON CONNECTION SECTION A-A



SHEET TITLE: WAGON CONNECTION DETAIL



CYS STRUCTURAL ENGINEERS, INC.

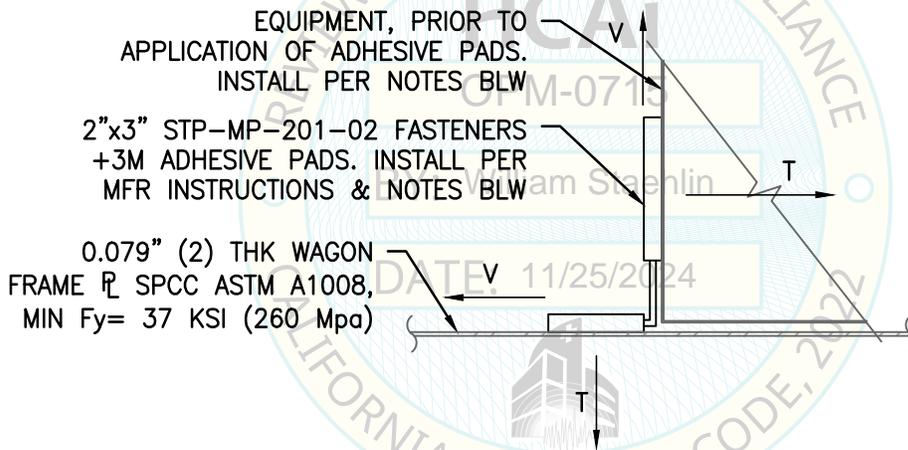
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833

TEL (916) 920-2020
www.cyseng.com

Job No:	23029.02
Date:	10-29-2024
Page:	16 of 17

c:\Users\comachom\appdata\local\temp\AcPublish_40000\S1_XN1000_WG-10.dwg Time:Nov04,2024-01:17pm Login:comachom DimScale:12 LTScale:6

SYSTEMEX XN-1000 ON WG-10



NOTE:

FOLLOW MFR'S INSTRUCTIONS FOR ADHESION OF FOAM ADHESIVE TO BOND SURFACE AS FOLLOWS: LIGHTLY ABRASE THE BOND AREA OF SURFACES (POWDER-COATED STL, SS, PHENOLIC, THERMOPLASTIC LAMINATE) W/ A SCOTCHBRITE 7447 PAD & THEN CLEAN W/ A 70:30 ISOPROPYL ALCOHOL (IPA)/WATER SOLUTION, ALLOWED TO DRY PRIOR TO APPLICATION OF THE ADHESIVE PADS



SHEET TITLE: STP FASTENER TO WAGON CONNECTION DETAIL



CYS STRUCTURAL ENGINEERS, INC.

2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833

TEL (916) 920-2020
www.cyseng.com

Job No:	23029.02
Date:	10-29-2024
Page:	17 of 17

c:\Users\comachom\appdata\local\temp\AcPublish_40000\S1_XN1000_WG-10.dwg Time:Nov04,2024-01:17pm Login:comachom Dimstyle:12 LTScale:6