



**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-0635

HCAI Preapproval of Manufacturer's Certification (OPM)

Type: New Renewal/Update

Manufacturer Information

Manufacturer: Roche Diagnostics Corporation

Manufacturer's Technical Representative: Paul Ozog

Mailing Address: 9115 Hague Road, Indianapolis, IN 46256

Telephone: (248) 941-7467 Email: paul.ozog@roche.com

Product Information

Product Name: ROCHE COBAS PRO INTEGRATED SOLUTIONS SYSTEM

Product Type: Medical Analyzers

Product Model Number: cobas Pro

General Description: Chemistry & Immunochemistry Testing

Applicant Information

Applicant Company Name: Roche Diagnostics Corporation

Contact Person: Paul Ozog

Mailing Address: 9115 Hague Road, Indianapolis, IN 46256

Telephone: (248) 941-7467 Email: paul.ozog@roche.com

Title: Senior Regional System Support Engineer

"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: 2710 Gateway Oaks Drive, Suite 190N, 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: 3/3/2025
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





TABLE OF CONTENTS
OPM-0635

	PAGE
GENERAL NOTES	2
ABBREVIATIONS & DESIGN CRITERIA	5
SYSTEM OVERVIEW & CONFIGURATIONS	6
e801	7
ISE + c503	8
ISE + c503 + e801	9
ISE + c503 + ISE + c503 + e801 + e801	10
COMPONENT PLANS & ELEVATIONS	
SAMPLE SUPPLY UNIT (SSU)	11
SAMPLE BUFFER (SB)	12
SAMPLE BUFFER LINE (SBL)	13
ANALYTICAL UNIT	
ISE	14
c503	15
e801	16
LEVELING LEG DETAILS	17
SEISMIC BRACKET DETAILS	18
ATTACHMENT DETAIL TO CONCRETE FILL OVER METAL DECK (CASE 1)	21
ATTACHMENT DETAIL TO SLAB ON GRADE (CASE 2)	23
ALTERNATE SEISMIC BRACKET DETAIL	24
ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS	25
ADDITIONAL COMPONENT PLANS & ELEVATIONS	62
ISE neo SEISMIC BRACKET DETAIL	64

NOTES:

1. THESE DRAWINGS ARE PREPARED FOR ROCHE DIAGNOSTICS CORPORATION, INDIANAPOLIS, INDIANA.
2. THE CONTRACTOR AND INSPECTOR OF RECORD SHALL OBTAIN A COPY OF THIS PRE-APPROVAL FROM THE OFFICE OF STATEWIDE HEALTH PLANNING & DEVELOPMENT (OSHPD) PRE-APPROVAL PROGRAMS WEBSITE.
3. THIS PRE-APPROVAL COVERS THE SUPPORTS AND ATTACHMENTS OF THE UNIT TO THE SUPPORTING STRUCTURE. THE EQUIPMENT UNITS ARE SUPPLIED BY ROCHE. THE SEISMIC BRACKETS, THRU-BOLTS & EXPANSION ANCHORS SHOWN ON PAGES 18-23, 24 & 64 SHALL BE SUPPLIED AND 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

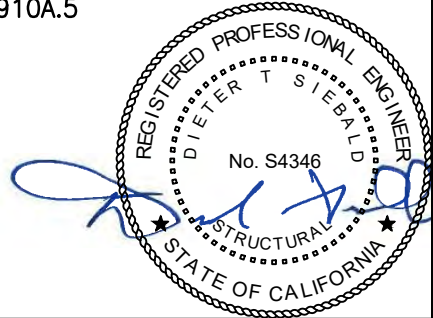
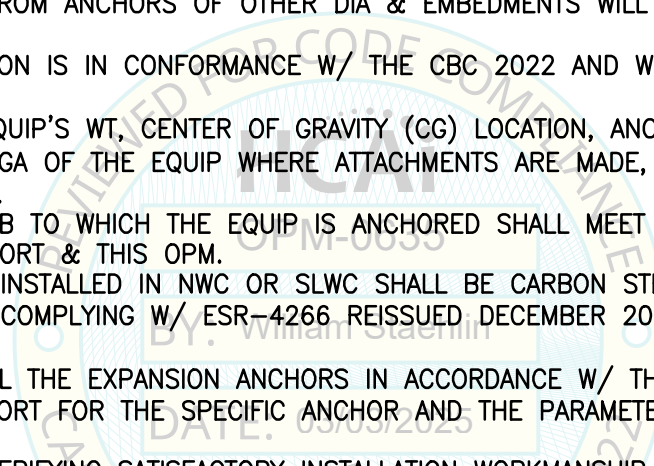
Job No:	24047
Date:	02/13/2025
Page:	1 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



GENERAL NOTES:

1. THIS OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE CBC 2022. THE DEMAND (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE CBC 2022.
2. EQUIP ANCHORAGES SUCH AS EXPANSION ANCHORS, BOLTS, SCREWS & FITTINGS SHALL BE DESIGNED IN COMPLIANCE W/ THE FORCE LEVEL REQUIREMENTS OF THE CBC 2022, TITLE 24, PART 2, VOLUME 2. LOAD COMBINATION FOR LOAD & RESISTANCE FACTOR DESIGN (LRFD) SHALL BE USED.
3. IT IS THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER OF RECORD (SEOR) FOR A SITE SPECIFIC PROJECT TO VERIFY:
 - A. THE ADEQUACY OF THE (N) OR (E) STRUCTURE TO RESIST THE FORCES AND WT SPECIFIED FOR EA EQUIP IN ADDITION TO ALL OTHER LOADS. PROVIDE & DESIGN SUPPLEMENTARY MEMBERS AS REQ.
 - B. THAT THE (N) ANCHORS ARE LOCATED AT AN ADEQUATE DISTANCE FROM ANY SLAB EDGES OR OPGS. SEE TABLE 1 ON PG 3.
 - C. THAT THE (N) ANCHORS ARE LOCATED AT LEAST 18" AWAY FROM ADJ (E) ANCHORS OR THE SEOR SHALL EVALUATE THE ANCHORAGES FOR THE EQUIP IN THIS OPM FOR ADVERSE AFFECTS OF ADJ ANCHORS. THE SPACING SHOWN IN TABLE 1 ON PG 3, IS THE REQ MIN SPACING OF THE 1/2" DIA AB'S. THE REQ SPACING FROM ANCHORS OF OTHER DIA & EMBEDMENTS WILL VARY & SHALL BE EVALUATED BY THE SEOR.
 - D. THAT THE INSTALLATION IS IN CONFORMANCE W/ THE CBC 2022 AND 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 INFO SHOWN IN THIS PRE-APPROVAL.
 - F. THAT THE CONC SLAB TO WHICH THE EQUIP IS ANCHORED SHALL MEET THE REQUIREMENTS OF THE APPLICABLE ICC REPORT & THIS OPM.
4. EXPANSION ANCHORS INSTALLED IN NWC OR SLWC SHALL BE CARBON STEEL HILTI KWIK BOLT TZ2 EXPANSION ANCHORS COMPLYING W/ ESR-4266 REISSUED DECEMBER 2023, SUBJECT TO RENEWAL DECEMBER 2025.
 - A. INSTALLATION: INSTALL THE EXPANSION ANCHORS IN ACCORDANCE W/ THE REQUIREMENTS GIVEN IN THE ICC EVALUATION REPORT FOR THE SPECIFIC ANCHOR AND THE PARAMETERS GIVEN IN THE TABLE ON PG 3.
 - B. JOB TESTING: FOR VERIFYING SATISFACTORY INSTALLATION WORKMANSHIP, PERFORM JOB SITE TESTING IN ACCORDANCE W/ THE TEST LOAD TABLE PROVIDED IN THIS DOCUMENT. TEST 50% OF THE INSTALLED ANCHORS. THE TEST LOAD MAY BE APPLIED BY ANY METHOD THAT WILL EFFECTIVELY MEASURE THE TORQUE IN THE ANCHOR SUCH AS CALIBRATED SPRING LOADING DEVICES OR CALIBRATED TORQUE WRENCH METHOD. REPORT OF TEST RESULTS SHALL BE SUBMITTED TO OSHPD. ALL TESTS SHALL BE CONDUCTED IN THE PRESENCE OF THE INSPECTOR OF RECORD. 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. ALSO REFER TO CBC 2022 1910A.5 "TESTS FOR POST-INSTALLED ANCHORS IN CONCRETE".



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: 24047 Date: 02/13/2025 Page: 2 of 64
---	--------------------------------------	--

c:\Users\cornachom\AppData\Local\Temp\AcPublish_40988\51_24047.dwg Time:Feb13,2025-10:13am Login:cornachom DimScale:12 LScale:6



GENERAL NOTES: (CONTINUED)

4C. 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 (½) TURN OF THE NUT.

D. ANCHOR REQUIREMENTS:

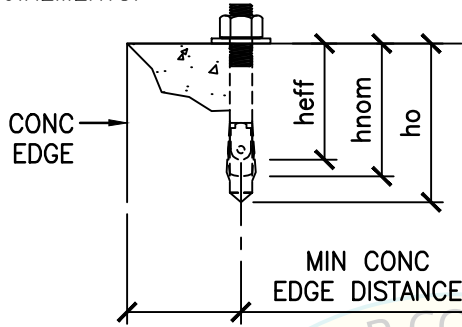


TABLE 1

CONDITION OF ANCHORAGE	ANCHOR DIA (INCH) d_a	INSTALLATION EMBED (INCH) h_{nom}	EFFECTIVE EMBED (INCH) h_{ef}	HOLE DEPTH (INCH) h_o	MIN CONC THICKNESS (INCH) h_{min}	MIN CONC EDGE DISTANCE (INCH)	MIN AB SPACING (INCH)	TEST TORQUE (FT-LBS)
CASE 2	½	2½	2	2¾	4	12	4.5	50

1. BOLTS THROUGH CONC ON MTL DECK:

- BOLTS SHALL BE TORQUED BY ¾ TURN OF THE NUTS 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.
- THRU-BOLT HOLES SHALL BE ⅙" LARGER THAN BOLT SIZE (HOLE SIZE = BOLT SIZE + ⅙").
- 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 REQ TESTING.



SHEET TITLE: GENERAL NOTES (CONTINUED)

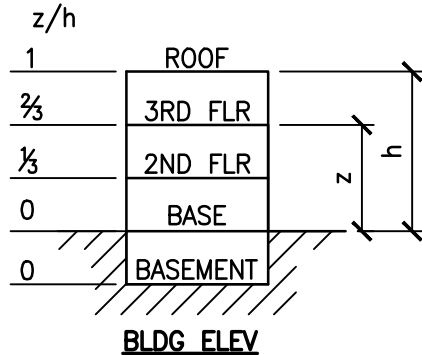
<p>CYS STRUCTURAL ENGINEERS, INC. 2710 GATEWAY OAKS DRIVE, SUITE 190N SACRAMENTO, CA 95833</p>	<p>Job No: 24047</p>
	<p>Date: 02/13/2025</p>
	<p>Page: 3 of 64</p>

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



GENERAL NOTES: (CONTINUED)

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



CASE 1: ATTACHMENT DTLS LOCATED AT UPPER FLRS ABV THE BASE OF A BLDG ($z/h \leq 0.65$), THE FLRS ARE ASSUMED TO BE BUILT OF A MIN 3/4" SLWC TOPPING OVER MTL DECK ($f'_c = 3000$ PSI, MIN). $S_{DS} \leq 1.70g$

CASE 2: ATTACHMENT DTLS LOCATED AT OR BLW THE BASE OF A BLDG ($z/h=0$). THE FLRS ARE ASSUMED TO BE BUILT OF A MIN 4" NWC SLAB ($f'_c = 3000$ PSI, MIN). $S_{DS} \leq 2.10g$



SHEET TITLE: SYSTEM OVERVIEW & DESIGN CRITERIA

 CYS STRUCTURAL ENGINEERS, INC. 2710 GATEWAY OAKS DRIVE, SUITE 190N SACRAMENTO, CA 95833	Job No: 24047
	Date: 02/13/2025
	Page: 4 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom Dimscale:12 LTScale:6



ABBREVIATIONS:

AB	ANCHOR BOLT	f'c	MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE	MTL	METAL
ABV	ABOVE	FLR	FLOOR	(N)	NEW CONDITION
ADJ	ADJACENT	FT (')	FOOT/FEET	NO. (#)	NUMBER OR POUNDS
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	F _p	HORIZONTAL SEISMIC FORCE PER ASCE 7-16 SEISMIC FORCE REQUIREMENTS	NWC	NORMAL WEIGHT CONCRETE
BLDG	BUILDING	F _v	VERTICAL SEISMIC FORCE PER ASCE 7-16 SEISMIC FORCE REQUIREMENTS	OPG	OPENING
BLW	BELOW	F _y	SPECIFIED MINIMUM YIELD STRESS OF STEEL	PG(S)	PAGE(S)
BOTT	BOTTOM	GA	GAUGE	PL	PLATE
CBC	CALIFORNIA BUILDING CODE	IN (")	INCH	PSI	POUNDS PER SQUARE INCH
CG	CENTER OF GRAVITY	INFO	INFORMATION	REQ	REQUIRED
CL	CENTERLINE	KSI	KIPS PER SQUARE INCH	SEOR	STRUCTURAL ENGINEER OF RECORD
CONC	CONCRETE	LBS	POUNDS	SLWC	SAND-LIGHTWEIGHT CONCRETE
CONN	CONNECTION	LRFD	LOAD AND RESISTANCE FACTOR DESIGN	Tu	ANCHORAGE TENSION REACTION DUE TO SEISMIC FORCE
COORD	COORDINATE	MAX	MAXIMUM	THRD	THREAD OR THREADED
DBL	DOUBLE	MFR	MANUFACTURER	TYP	TYPICAL
DTL	DETAIL	MIN	MINIMUM	T&B	TOP & BOTTOM
DIA (ø)	DIAMETER			UNO	UNLESS NOTED OTHERWISE
(E)	EXISTING CONDITION			Vu	ANCHORAGE SHEAR REACTION DUE TO SEISMIC FORCE
EA	EACH			W/	WITH
ELEV	ELEVATION			Wp	OPERATING WEIGHT
EQUIP	EQUIPMENT			WT	WEIGHT

DESIGN CRITERIA & SEISMIC DESIGN FORCES (LRFD)

$$F_p = \frac{0.4 a_p S_{DS} W_p}{(R_p/I_p)} (1+2 z/h) \quad \text{ASCE 7-16 (13.3-1)}$$

$$F_p \text{ (MAX)} = 1.6 S_{DS} I_p W_p \quad \text{ASCE 7-16 (13.3-2)}$$

$$F_p \text{ (MIN)} = 0.3 S_{DS} I_p W_p \quad \text{ASCE 7-16 (13.3-3)}$$

$$E_v = F_v = \pm 0.2 S_{DS} W_p \quad \text{ASCE 7-16 (12.4-4)}$$

SUPPORT & ATTACHMENT DESIGN IS PER CBC 2022 AT LRFD LEVEL FORCES PER TABLE 13.6-1 OF ASCE 7-16 SUPPLEMENT #1. "OTHER MECHANICAL OR ELECTRICAL COMPONENTS"

- a_p = 1.0
- R_p = 1.5
- I_p = 1.5
- Ω_o = 1.5
- W_p = AS NOTED ON PGS 11 TO 16

TABLE 2 (LRFD)

	S _{DS}	z/h	F _p COEFFICIENT	F _v COEFFICIENT
CASE 1	1.70	0.65	1.564 W _p	0.340 W _p
CASE 2	2.10	0	0.945 W _p	0.420 W _p

LOAD COMBINATIONS

1. (1.2 + 0.2 S_{DS}) D+1.0E
2. (0.9-0.2 S_{DS}) D+1.0E



SHEET TITLE: ABBREVIATIONS & DESIGN CRITERIA

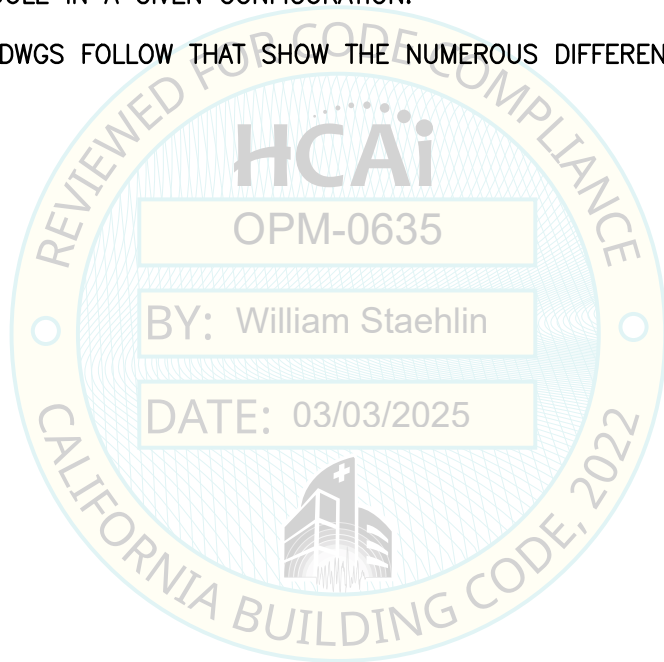
	CYS STRUCTURAL ENGINEERS, INC. 2710 GATEWAY OAKS DRIVE, SUITE 190N SACRAMENTO, CA 95833	TEL (916) 920-2020 www.cyseng.com	Job No: 24047
			Date: 02/13/2025
			Page: 5 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\SI_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LScale:6



SYSTEM OVERVIEW & CONFIGURATIONS

1. THE cobas PRO INTEGRATED SOLUTIONS SYSTEM CONSISTS OF EIGHT MAJOR COMPONENTS THAT ARE ARRANGED IN FOUR DIFFERENT CONFIGURATIONS SHOWN ON THE FOLLOWING PGS:
 SAMPLE SUPPLY UNIT (SSU) – SAMPLES ARE LOADED AND UNLOADED FROM THE SYSTEM HERE.
 SAMPLE BUFFER (SB) – STORAGE BUFFER THAT FACILITATES SAMPLE RETRIEVAL FOR ADD-ON REQUESTS
 ANALYTICAL UNITS (AU) – UP TO THREE ANALYTICAL UNITS CAN MAKE UP A SYSTEM, THEY ARE:
 ION SELECTIVE ELECTRODE UNIT (ISE) – OPTIONAL UNIT FOR DETERMINATION OF ELECTROLYTES.
 cobas c503 – CLINICAL CHEMISTRY MODULE (MEDIUM THROUGHPUT)
 cobas e801 – IMMUNOASSAY MODULE
 ANALYTICAL UNIT CORE COMPONENTS – EA MODULE LISTED ABOVE HAS THE FOLLOWING CORE COMPONENTS:
 SAMPLE BUFFER LINE (SBL) – SAMPLE TRANSFER LINES WHICH INCLUDE:
 SBL-TL-c503: TRANSFER LINE (TL) – RACK TRANSFER LINE LOCATED BEHIND EVERY MODULE THAT IS NOT THE LAST MODULE.
 SBL-DL-c503 & SBL-DL-e801: DRIVE LINE (DL) – RACK DRIVE LINE LOCATED BEHIND THE LAST MODULE IN A GIVEN CONFIGURATION.
2. SCHEMATIC OVERVIEW DWGS FOLLOW THAT SHOW THE NUMEROUS DIFFERENT COMBINATIONS.



SHEET TITLE: SYSTEM OVERVIEW & CONFIGURATIONS



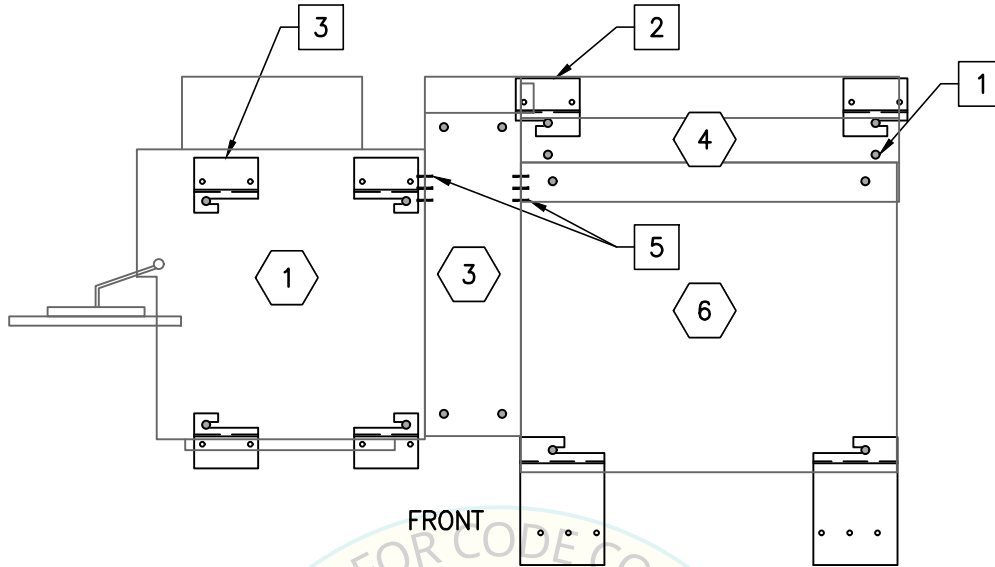
CYS STRUCTURAL ENGINEERS, INC.

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

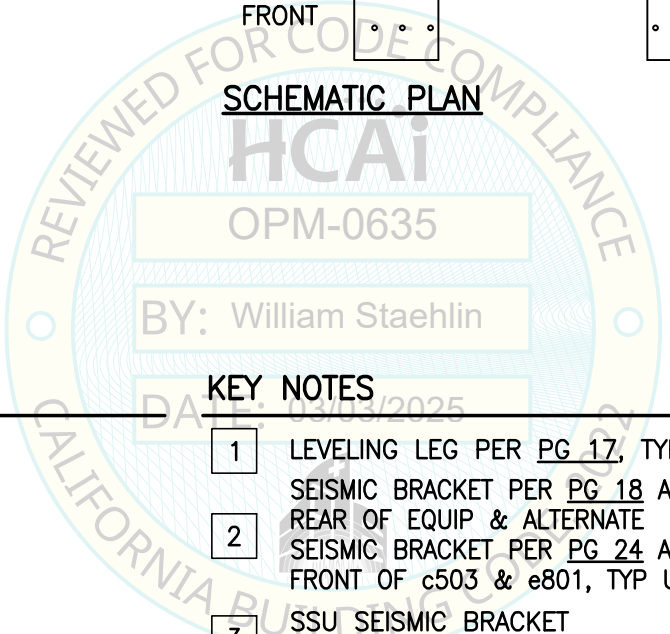
TEL (916) 920-2020
 www.cyseng.com

Job No:	24047
Date:	02/13/2025
Page:	6 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



FRONT
SCHEMATIC PLAN



COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5* c503 PER PG 15
- 6 e801 PER PG 16

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
SEISMIC BRACKET PER PG 18 AT
REAR OF EQUIP & ALTERNATE
SEISMIC BRACKET PER PG 24 AT
FRONT OF c503 & e801, TYP UNO
- 2
- 3 SSU SEISMIC BRACKET
* PER PG 19, TYP
- 4 ISE SEISMIC BRACKET
PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR
(REFER TO UNIT "PLAN &
ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR

*NOT PART OF THIS CONFIGURATION

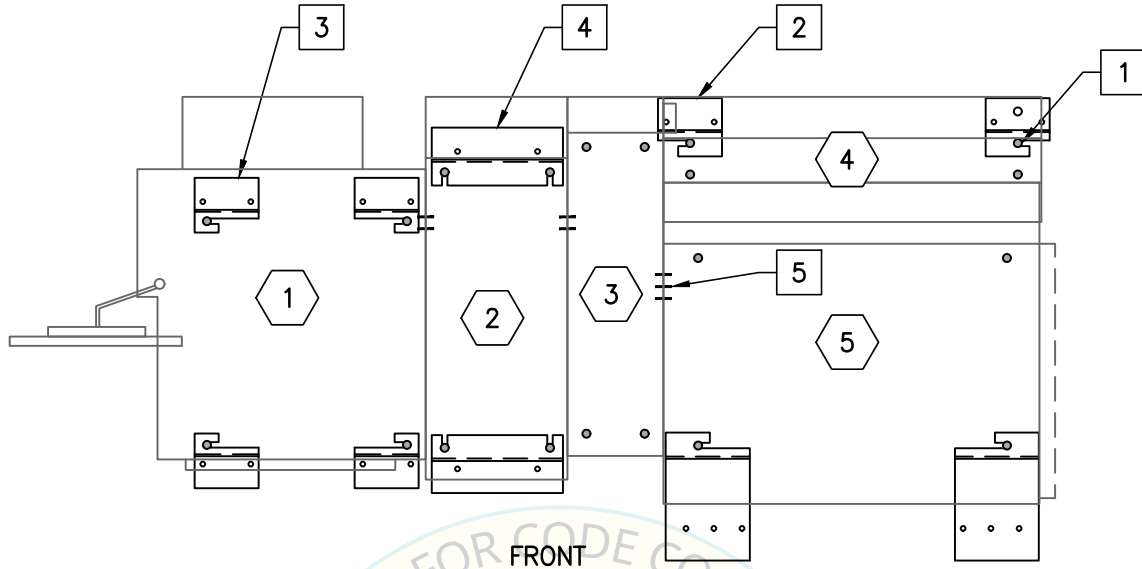


SHEET TITLE: SYSTEM CONFIGURATIONS
e801

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

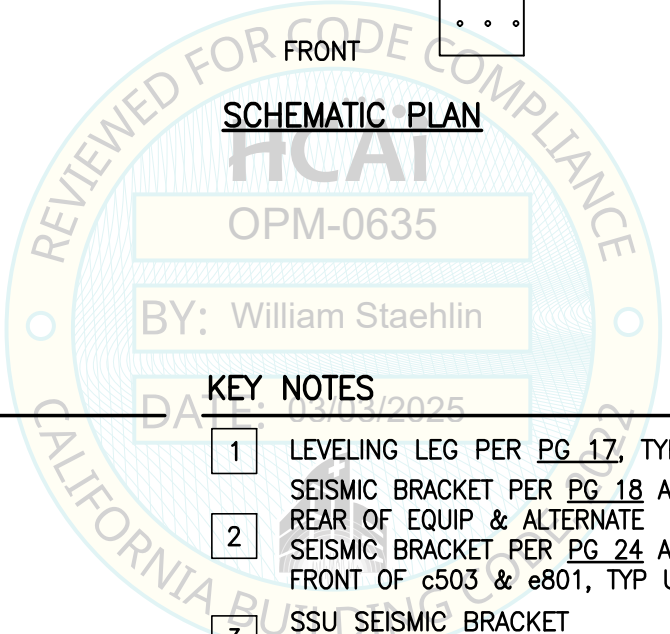
Job No:	24047
Date:	02/13/2025
Page:	7 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



FRONT

SCHEMATIC PLAN



COMPONENT:

- 1 SSU PER PG 11
- 2 ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6* e801 PER PG 16

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
SEISMIC BRACKET PER PG 18 AT
REAR OF EQUIP & ALTERNATE
SEISMIC BRACKET PER PG 24 AT
FRONT OF c503 & e801, TYP UNO
- 2
- 3 SSU SEISMIC BRACKET
PER PG 19, TYP
- 4 ISE SEISMIC BRACKET
PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR
(REFER TO UNIT "PLAN &
ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR

*NOT PART OF THIS CONFIGURATION

SHEET TITLE: SYSTEM CONFIGURATIONS
ISE + c503



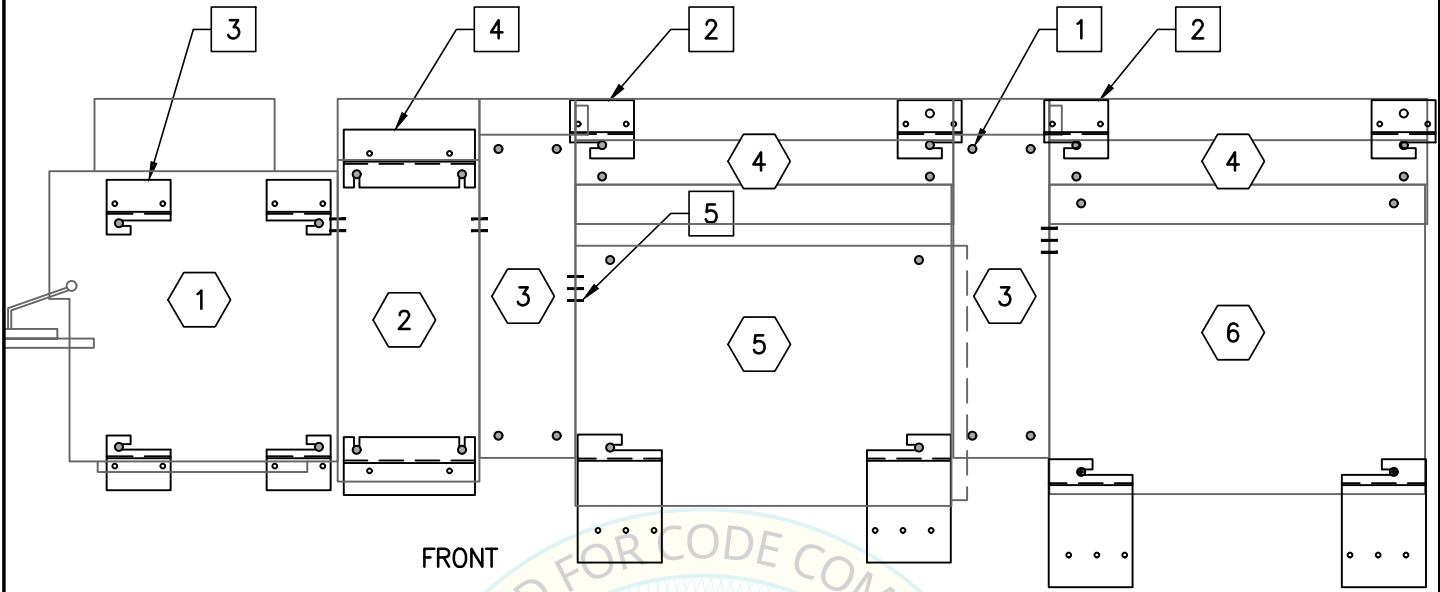
CYS STRUCTURAL ENGINEERS, INC.

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

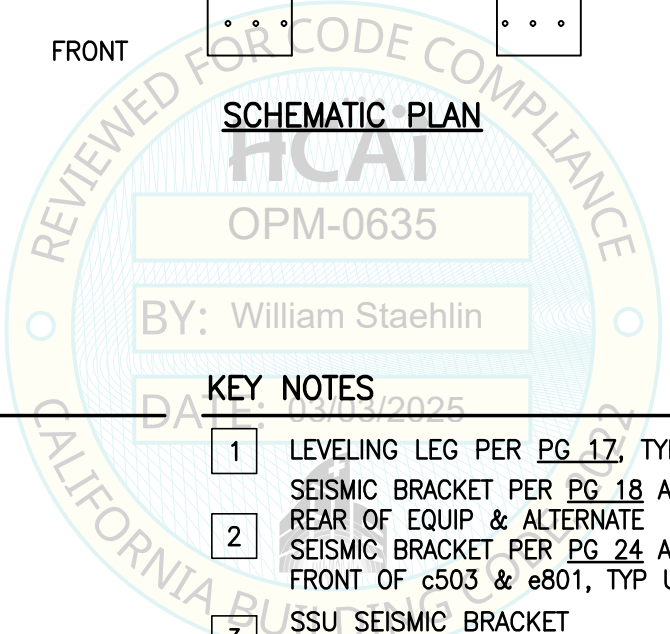
TEL (916) 920-2020
www.cyseng.com

Job No:	24047
Date:	02/13/2025
Page:	8 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



SCHEMATIC PLAN



COMPONENT:

- 1 SSU PER PG 11
- 2 ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6 e801 PER PG 16

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
SEISMIC BRACKET PER PG 18 AT
REAR OF EQUIP & ALTERNATE
SEISMIC BRACKET PER PG 24 AT
FRONT OF c503 & e801, TYP UNO
- 2
- 3 SSU SEISMIC BRACKET
PER PG 19, TYP
- 4 ISE SEISMIC BRACKET
PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR
(REFER TO UNIT "PLAN &
ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR

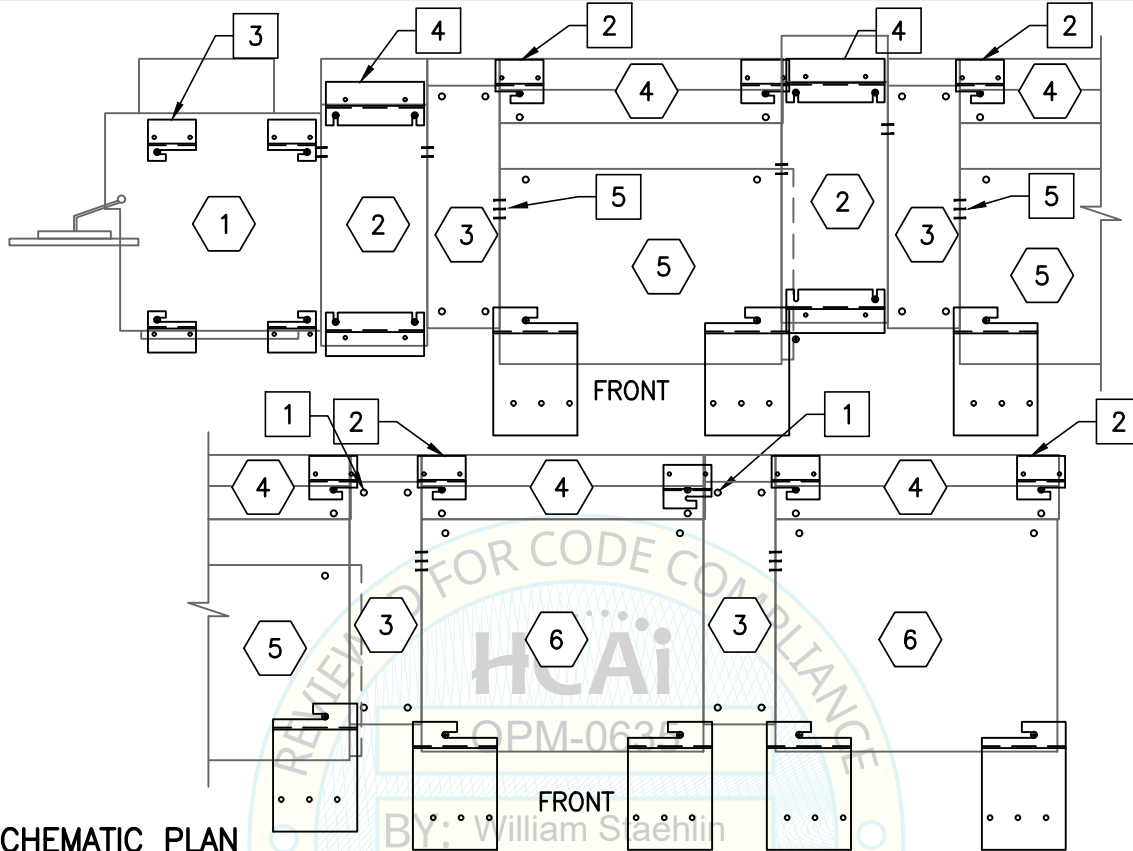


SHEET TITLE: SYSTEM CONFIGURATIONS
ISE + c503 + e801

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

Job No:	24047
Date:	02/13/2025
Page:	9 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



SCHEMATIC PLAN

COMPONENT:

- 1 SSU PER PG 11
- 2 ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6 e801 PER PG 16

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
SEISMIC BRACKET PER PG 18 AT
REAR OF EQUIP & ALTERNATE
SEISMIC BRACKET PER PG 24 AT
FRONT OF c503 & e801, TYP UNO
- 2 SEISMIC BRACKET PER PG 24 AT
FRONT OF c503 & e801, TYP UNO
- 3 SSU SEISMIC BRACKET
PER PG 19, TYP
- 4 ISE SEISMIC BRACKET
PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR
(REFER TO UNIT "PLAN &
ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR



SHEET TITLE: SYSTEM CONFIGURATIONS

ISE + c503 + ISE + c503 + e801 + e801



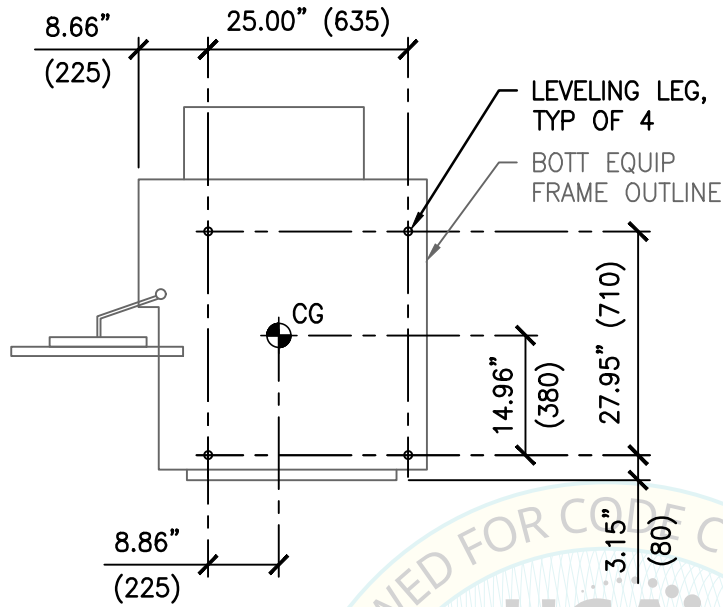
CYS STRUCTURAL ENGINEERS, INC.

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

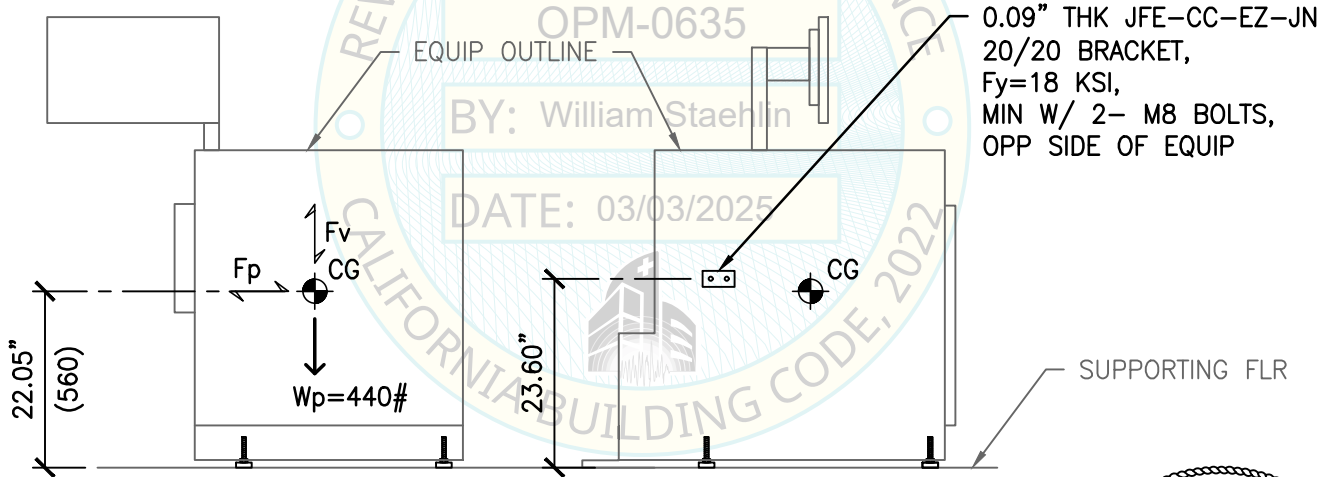
TEL (916) 920-2020
www.cyseng.com

Job No:	24047
Date:	02/13/2025
Page:	10 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



PLAN VIEW

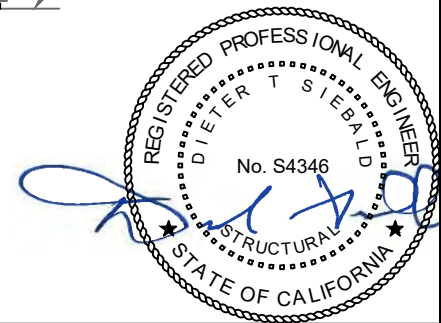


FRONT ELEV

LEFT ELEV

NOTES:

1. FOR SEISMIC BRACKET LOCATIONS & ORIENTATION SEE SYSTEM CONFIGURATION PLANS.
2. WHEELS NOT SHOWN FOR CLARITY.
3. FRAME MATERIAL: JFE-CC-EZ-JN 20/20.
4. REFER TO PG 23 FOR FRAME MATERIAL PROPERTIES.



SHEET TITLE: COMPONENT PLANS & ELEVATIONS
SAMPLE SUPPLY UNIT (SSU)



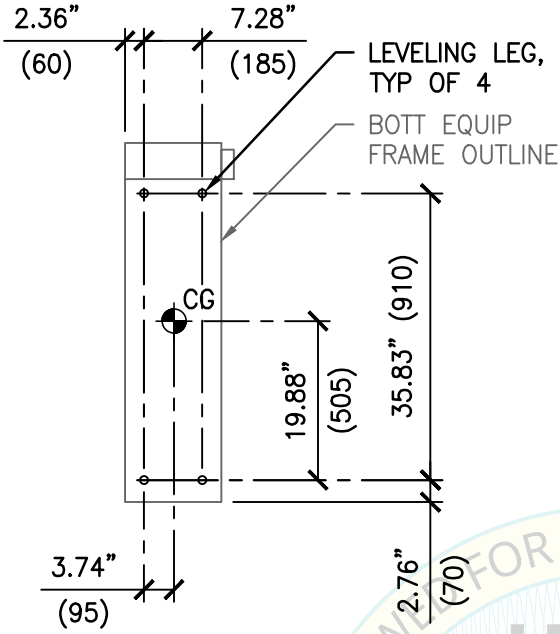
CYS STRUCTURAL ENGINEERS, INC.

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

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

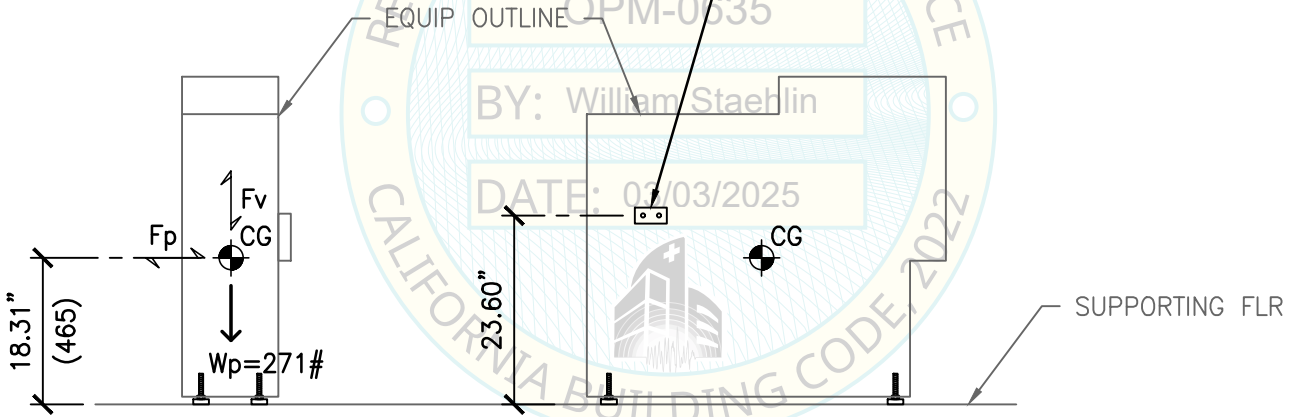
Job No:	24047
Date:	02/13/2025
Page:	11 of 64

C:\Users\comachom\AppData\Local\Temp\AcPublish_40988\SI_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



PLAN VIEW

0.09" THK JFE-CC-EZ-JN
20/20 BRACKET,
Fy=18 KSI,
MIN W/ 2- M8 BOLTS,
ES OF EQUIP



FRONT ELEV

RIGHT ELEV

NOTES:

1. FOR SEISMIC BRACKET LOCATIONS & ORIENTATION SEE SYSTEM CONFIGURATION PLANS.
2. WHEELS NOT SHOWN FOR CLARITY.
3. FRAME MATERIAL: SUS430 & JFE-CC-EZ-JN 20/20.
4. REFER TO PG 23 FOR FRAME MATERIAL PROPERTIES.



SHEET TITLE: COMPONENT PLANS & ELEVATIONS
SAMPLE BUFFER (SB)

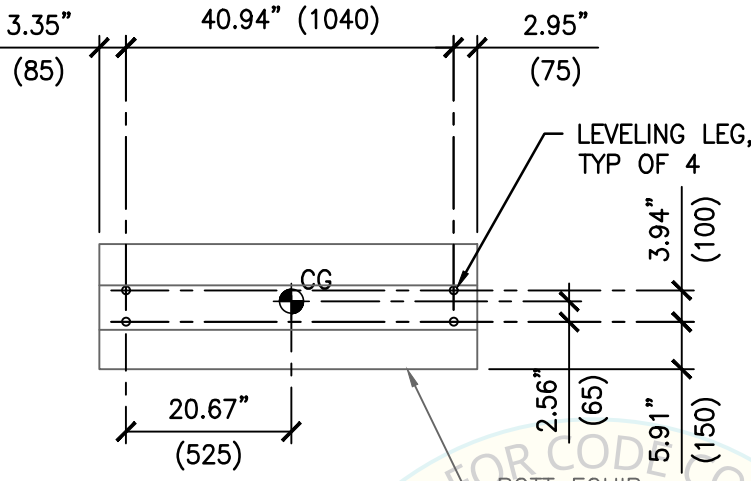


CYS STRUCTURAL ENGINEERS, INC.

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

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

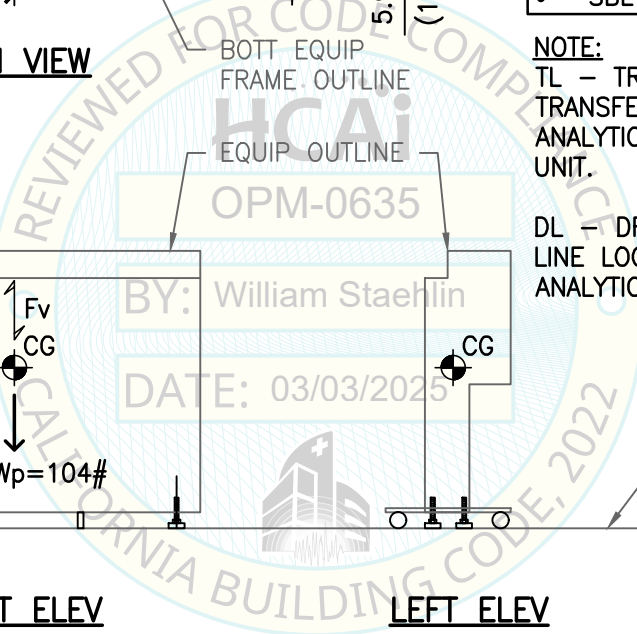
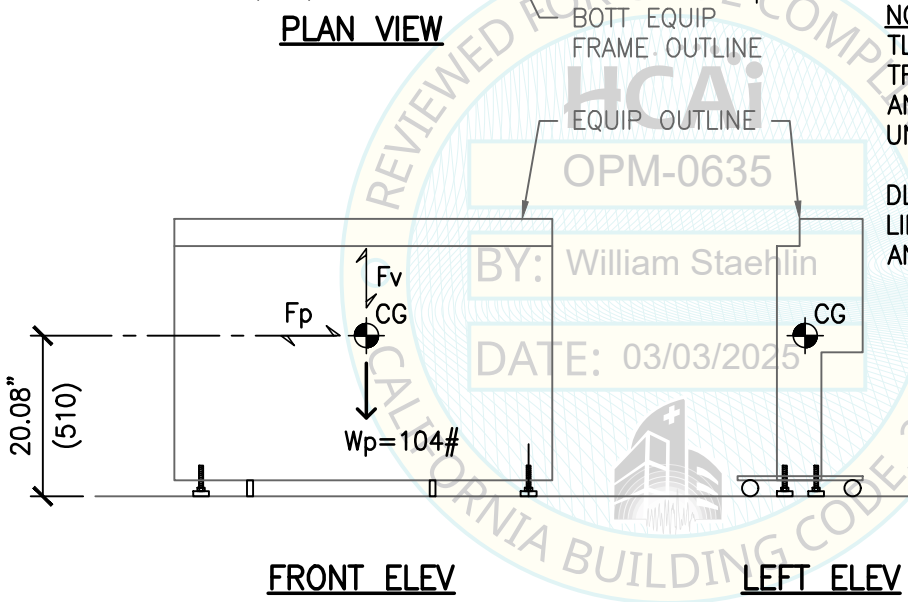
Job No:	24047
Date:	02/13/2025
Page:	12 of 64



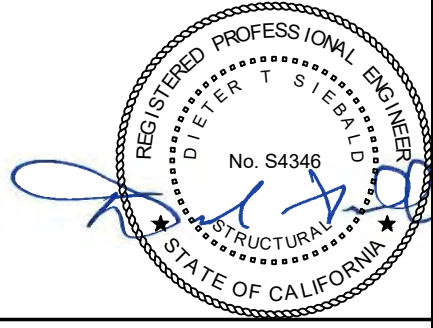
- COMPONENTS QUALIFIED BY THIS DWG:
- SBL-DL-c503
 - SBL-TL-c503
 - SBL-DL-e801
 - SBL-TL-e801
 - SBL-DL-c703
 - SBL-TL-c703

NOTE:
TL – TRANSPORT LINE IS A RACK TRANSFER LINE LOCATED BEHIND AN ANALYTICAL UNIT THAT IS NOT THE LAST UNIT.

DL – DRIVE LINE IS A RACK DRIVE LINE LOCATED BEHIND THE LAST ANALYTICAL UNIT



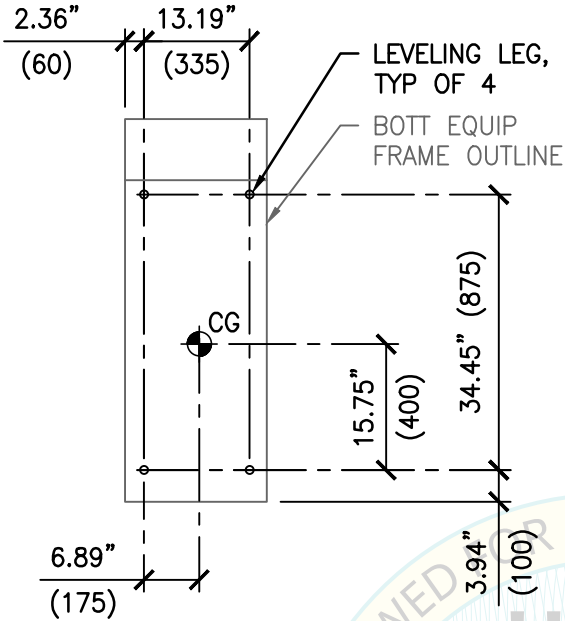
- NOTES:**
1. FOR SEISMIC BRACKET LOCATIONS & ORIENTATION SEE SYSTEM CONFIGURATION PLANS.
 2. WHEELS NOT SHOWN FOR CLARITY.
 3. FRAME MATERIAL: SUS430 & JFE-CC-EZ-JN 20/20.
 4. REFER TO PG 23 FOR FRAME MATERIAL PROPERTIES.



SHEET TITLE: COMPONENT PLANS & ELEVATIONS
SAMPLE BUFFER LINE (SBL)

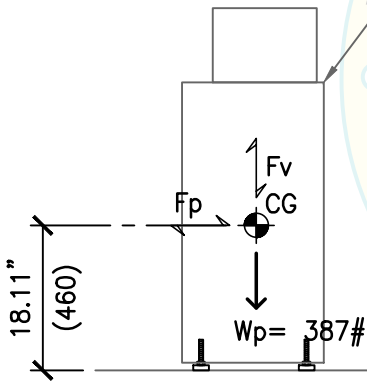
<p>CYS STRUCTURAL ENGINEERS, INC. 2710 GATEWAY OAKS DRIVE, SUITE 190N SACRAMENTO, CA 95833</p>	Job No: 24047
	Date: 02/13/2025
	Page: 13 of 64

C:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6

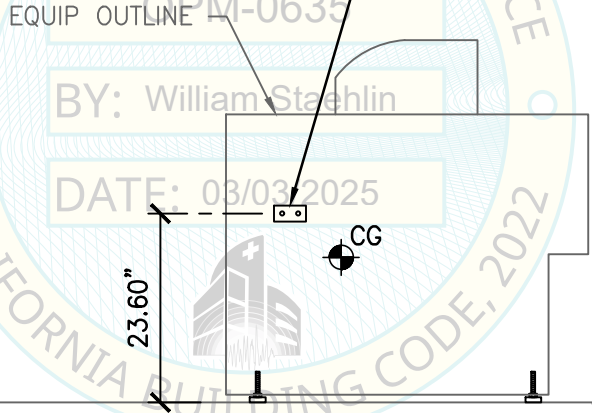


PLAN VIEW

0.09" THK JFE-CC-EZ-JN
20/20 BRACKET,
Fy=18 KSI,
MIN W/ 2- M8 BOLTS.
ES OF EQUIP



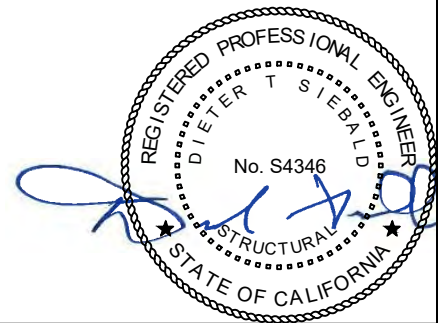
FRONT ELEV



RIGHT ELEV

NOTES:

1. FOR SEISMIC BRACKET LOCATIONS & ORIENTATION SEE SYSTEM CONFIGURATION PLANS.
2. WHEELS NOT SHOWN FOR CLARITY.
3. FRAME MATERIAL: SUS430 & JFE-CC-EZ-JN 20/20.
4. REFER TO PG 23 FOR FRAME MATERIAL PROPERTIES.



SHEET TITLE: COMPONENT PLANS & ELEVATIONS
ION SELECTIVE ELECTRODE UNIT (ISE)



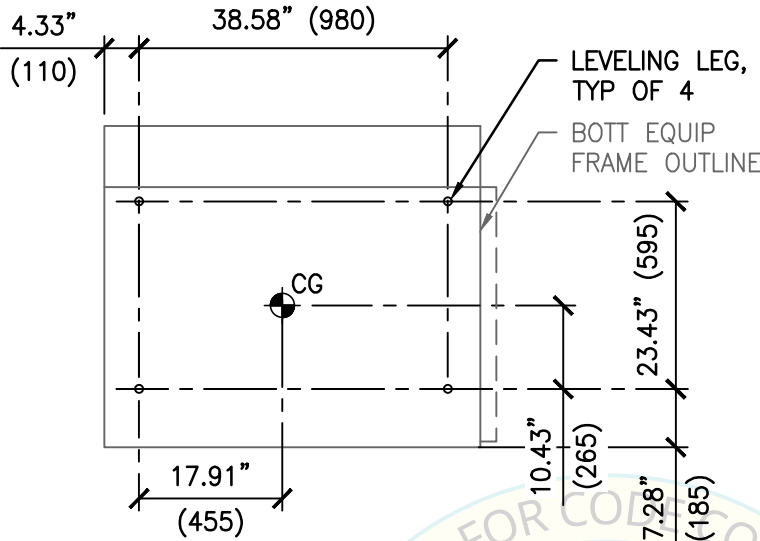
CYS STRUCTURAL ENGINEERS, INC.

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

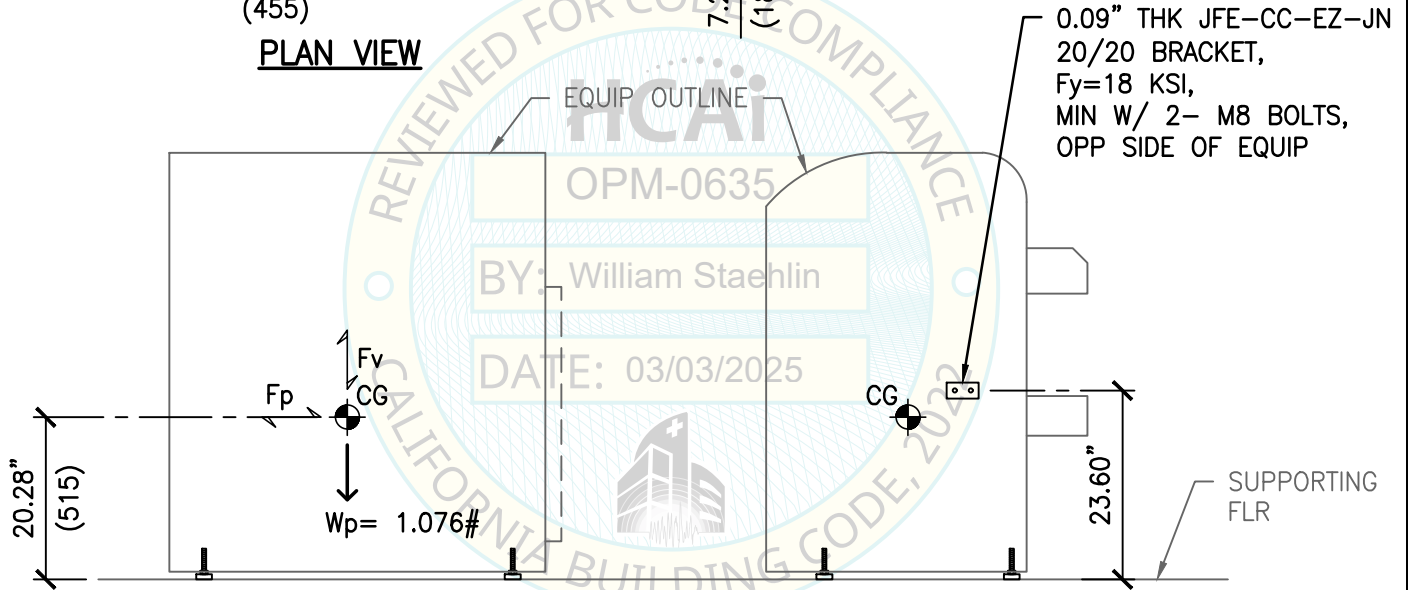
TEL (916) 920-2020
www.cyseng.com

Job No:	24047
Date:	02/13/2025
Page:	14 of 64

C:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



PLAN VIEW



FRONT ELEV

RIGHT ELEV

NOTES:

1. FOR SEISMIC BRACKET LOCATIONS & ORIENTATION SEE SYSTEM CONFIGURATION PLANS.
2. WHEELS NOT SHOWN FOR CLARITY.
3. FRAME MATERIAL: SUS430 & JFE-CC-EZ-JN 20/20.
4. REFER TO PG 23 FOR FRAME MATERIAL PROPERTIES.



SHEET TITLE: COMPONENT PLANS & ELEVATIONS
ANALYTICAL UNIT (C503)



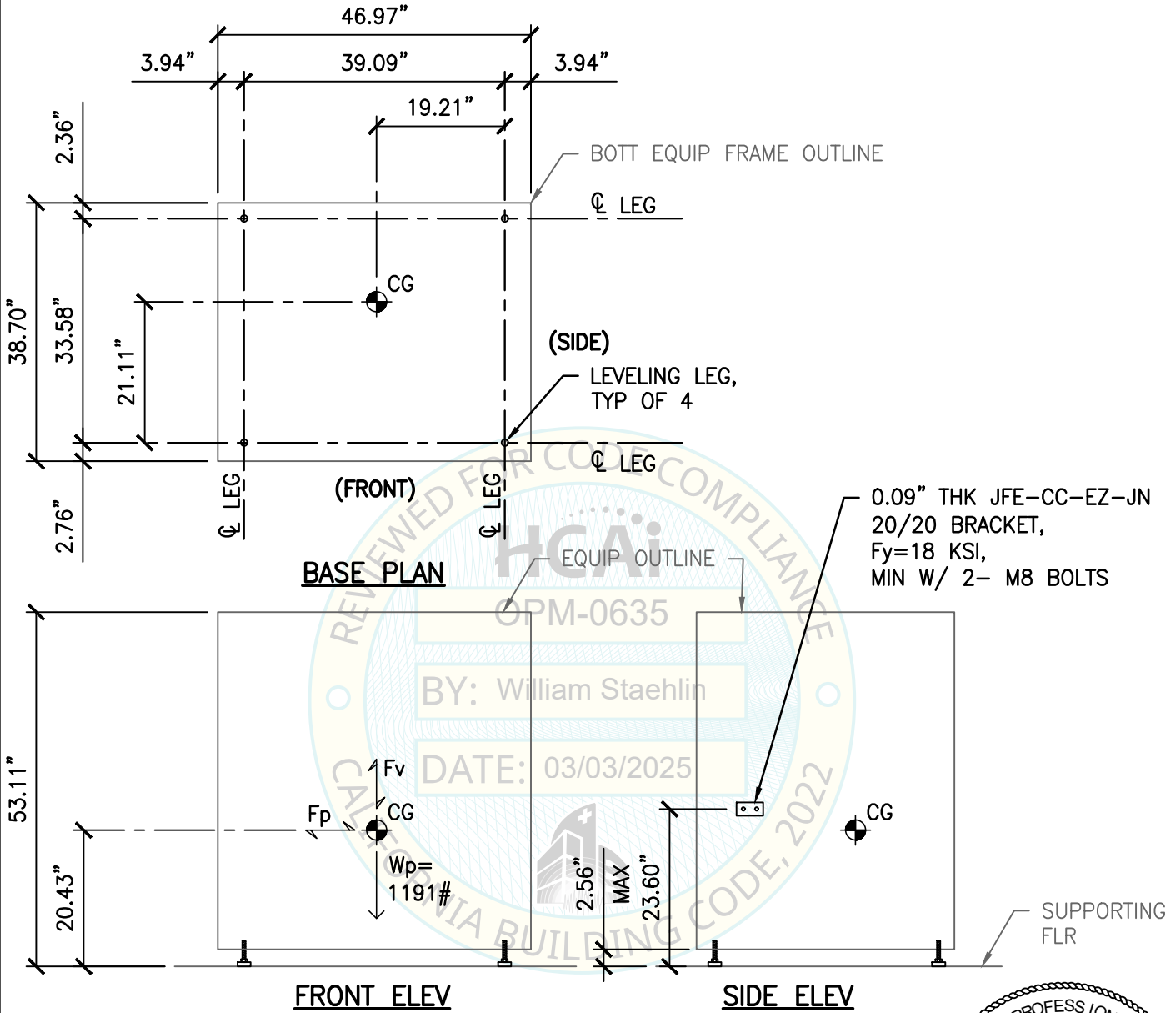
CYS STRUCTURAL ENGINEERS, INC.

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

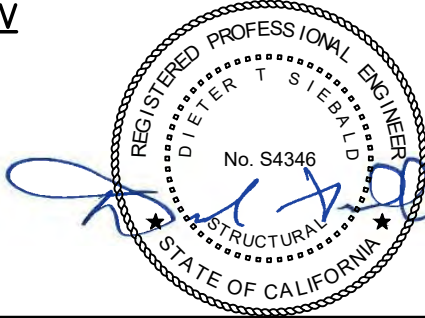
TEL (916) 920-2020
www.cyseng.com

Job No:	24047
Date:	02/13/2025
Page:	15 of 64

C:\Users\comachom\AppData\Local\Temp\AcPublish_40988\SI_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



- NOTES:**
1. FOR SEISMIC BRACKET LOCATIONS & ORIENTATION SEE SYSTEM CONFIGURATION PLANS.
 2. WHEELS NOT SHOWN FOR CLARITY.
 3. FRAME MATERIAL: SUS430.
 4. REFER TO PG 23 FOR FRAME MATERIAL PROPERTIES.



SHEET TITLE: COMPONENT PLANS & ELEVATIONS
ANALYTICAL UNIT (e801)

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833

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

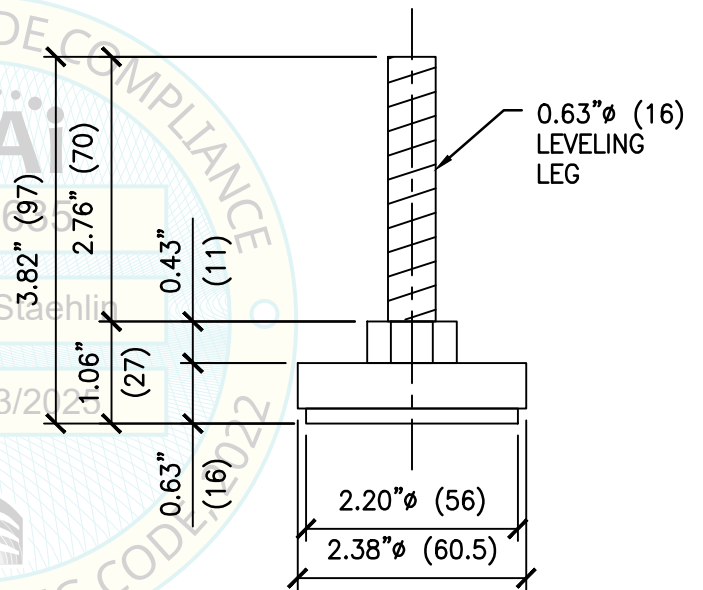
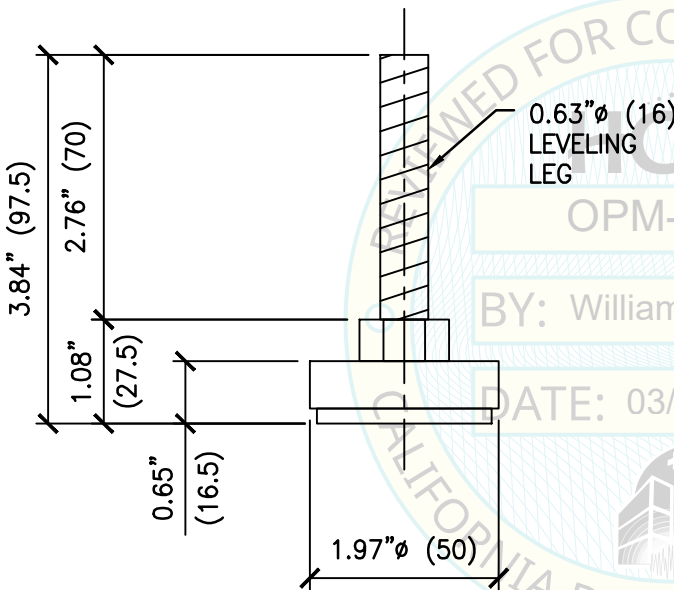
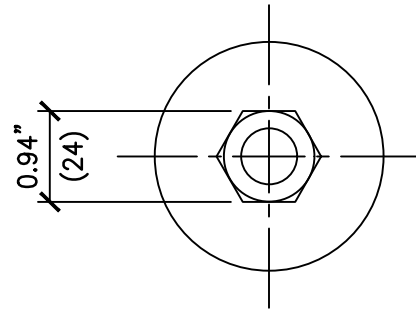
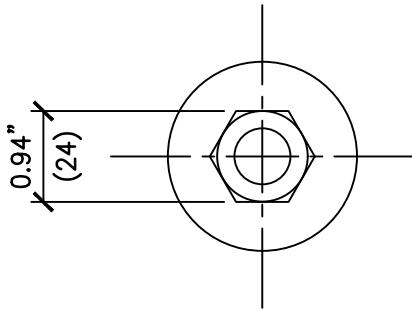
Job No:	24047
Date:	02/13/2025
Page:	16 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



TYP COBAS PRO LEVELING FOOT

c503, c703 & e801 LEVELING FOOT



MATERIAL: SWCH10R
STRENGTH: $F_y = 30$ KSI
ALLOWANCE LOAD: 770#

MATERIAL: SWCH10R
STRENGTH: $F_y = 30$ KSI
ALLOWANCE LOAD: 990#



SHEET TITLE: LEVELING LEG DETAIL



CYS STRUCTURAL ENGINEERS, INC.

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

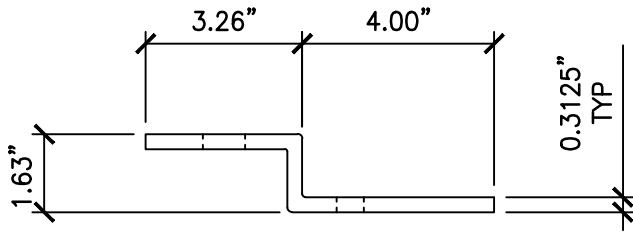
TEL (916) 920-2020
www.cyseng.com

Job No:	24047
Date:	02/13/2025
Page:	17 of 64

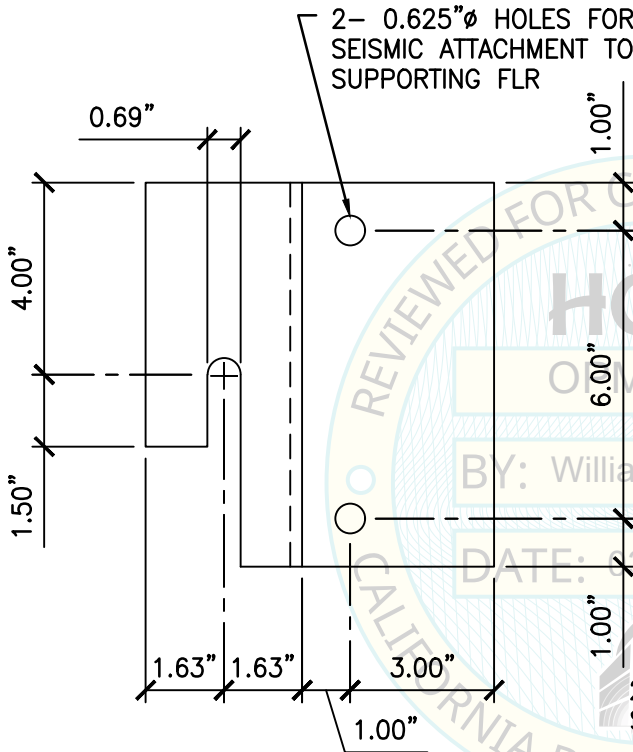
C:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



- NOTES:**
1. FOR CASE 1 & CASE 2 ATTACHMENT TO FLR, SEE PGS 21 & 23.
 2. BRACKET & SLOT DIRECTIONS SHALL BE FOLLOWED AS SHOWN ON SYSTEM CONFIGURATION PLANS.

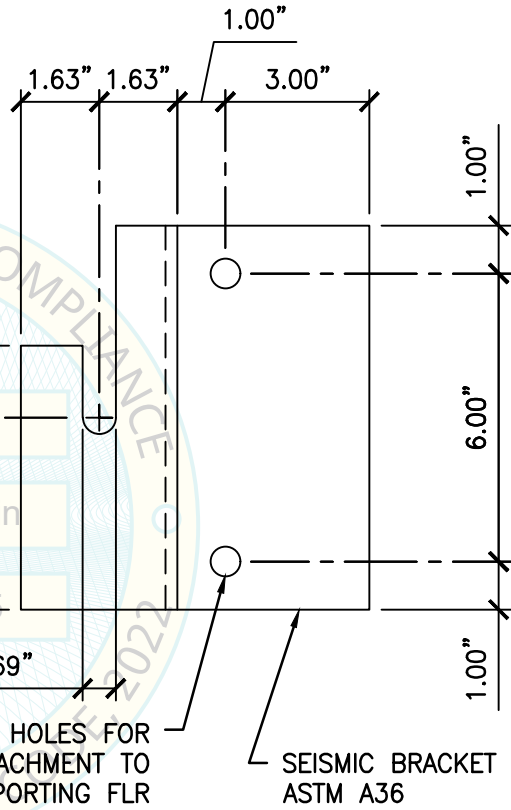


ELEV

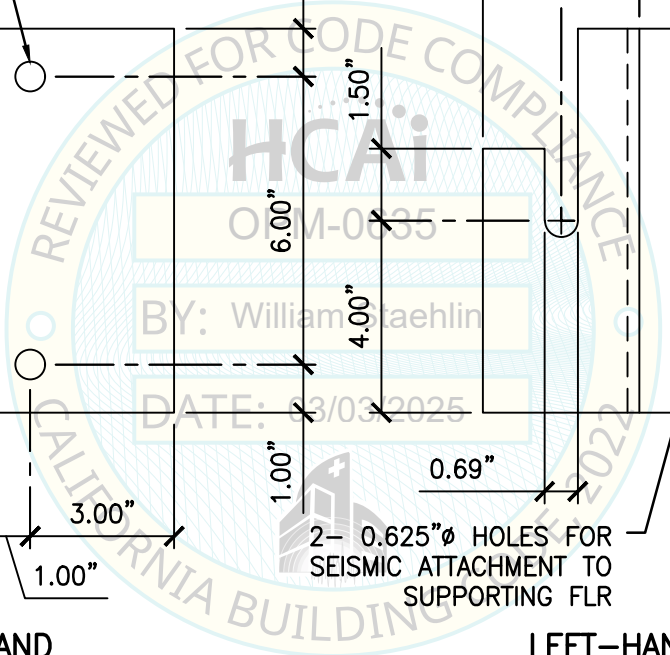


RIGHT-HAND

PLANS



LEFT-HAND



SHEET TITLE: SEISMIC BRACKET DETAIL

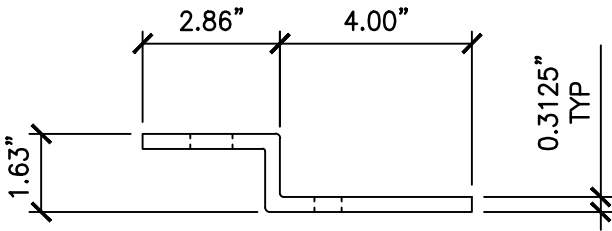


CYS STRUCTURAL ENGINEERS, INC.

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

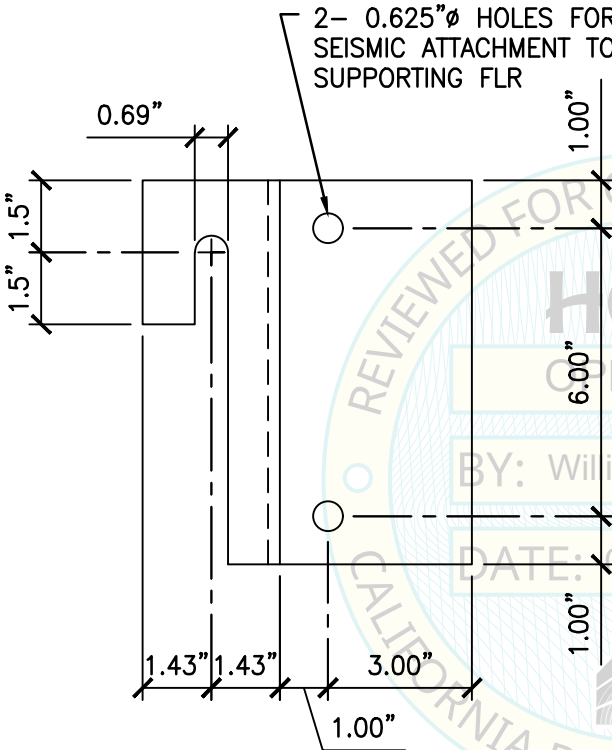
TEL (916) 920-2020
www.cyseng.com

Job No:	24047
Date:	02/13/2025
Page:	18 of 64

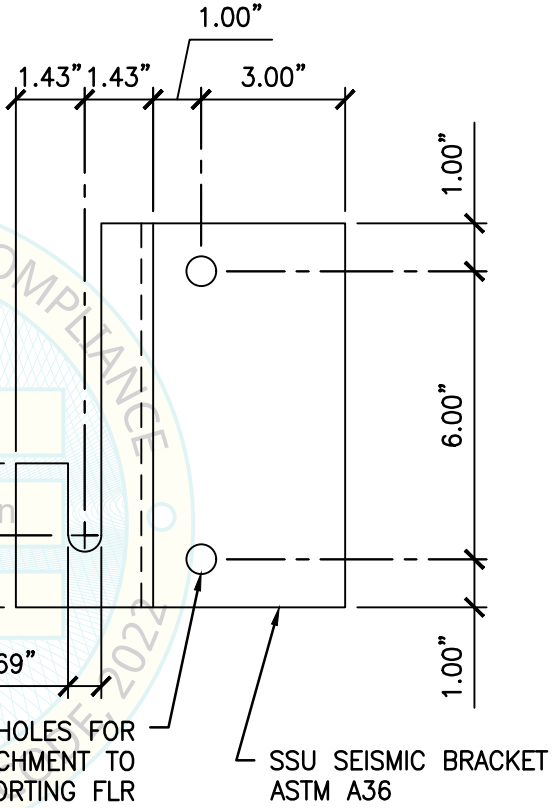


ELEV

- NOTES:**
1. FOR CASE 1 & CASE 2 ATTACHMENT TO FLR, SEE PGS 21 & 23.
 2. BRACKET & SLOT DIRECTIONS SHALL BE FOLLOWED AS SHOWN ON SYSTEM CONFIGURATION PLANS.



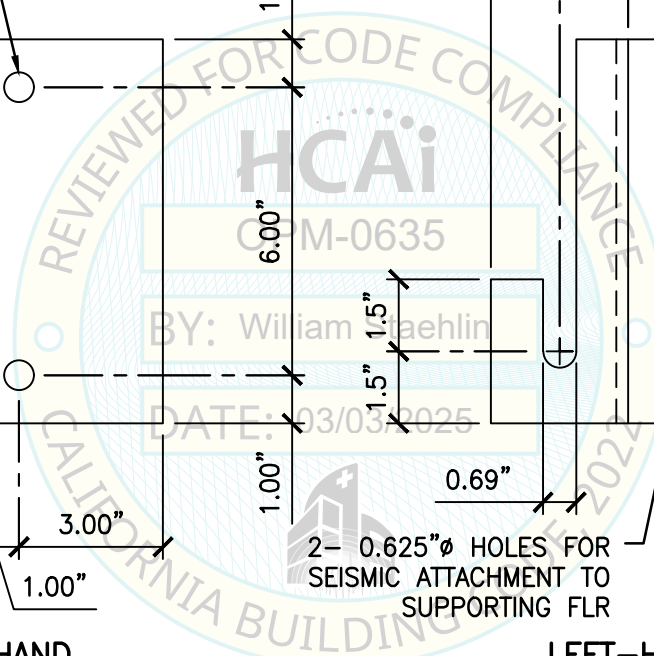
RIGHT-HAND



LEFT-HAND

PLANS

SSU SEISMIC BRACKET
ASTM A36



SHEET TITLE: SSU SEISMIC BRACKET DETAIL



CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833

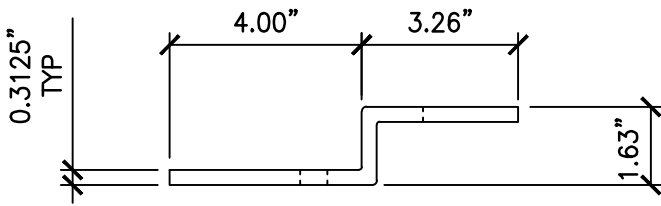
TEL (916) 920-2020
www.cyseng.com

Job No:	24047
Date:	02/13/2025
Page:	19 of 64

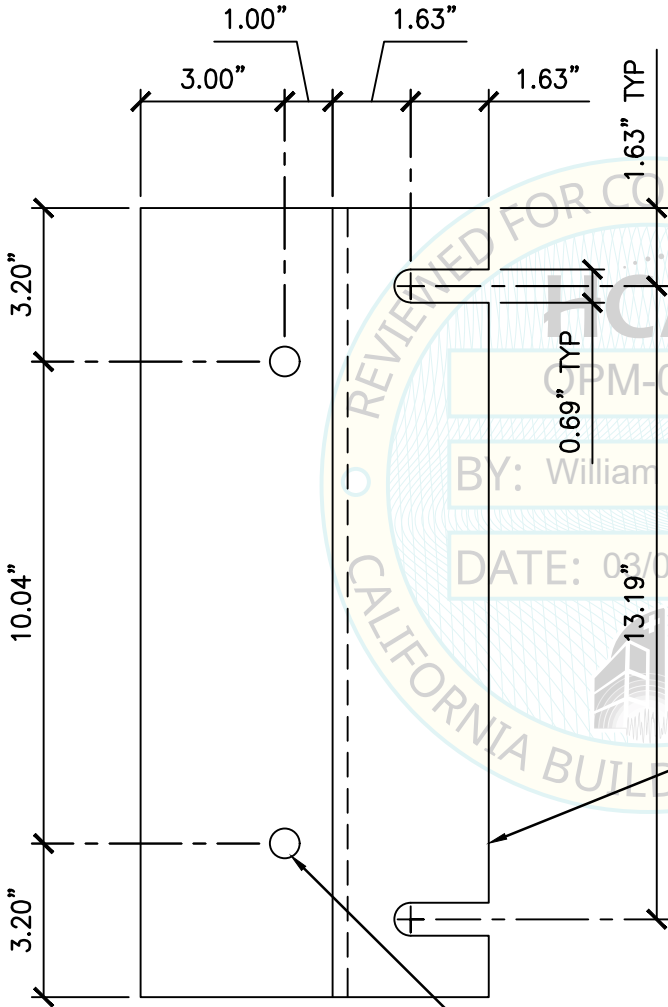
c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



- NOTES:**
1. FOR CASE 1 & CASE 2 ATTACHMENT TO FLR, SEE PGS 21 & 23.
 2. BRACKET & SLOT DIRECTIONS SHALL BE FOLLOWED AS SHOWN ON SYSTEM CONFIGURATION PLANS.



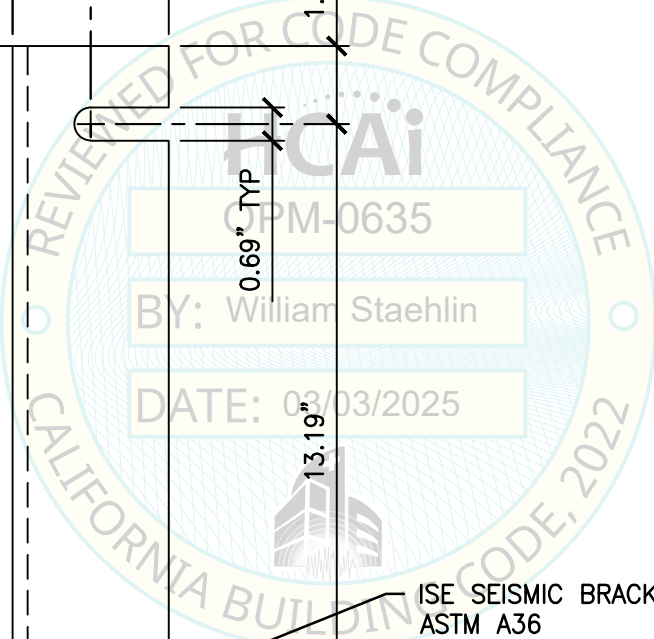
ELEV



PLAN

2- 0.625"Ø HOLES FOR SEISMIC ATTACHMENT TO SUPPORTING FLR

ISE SEISMIC BRACKET
ASTM A36



SHEET TITLE: ISE SEISMIC BRACKET DETAIL



CYS STRUCTURAL ENGINEERS, INC.

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

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

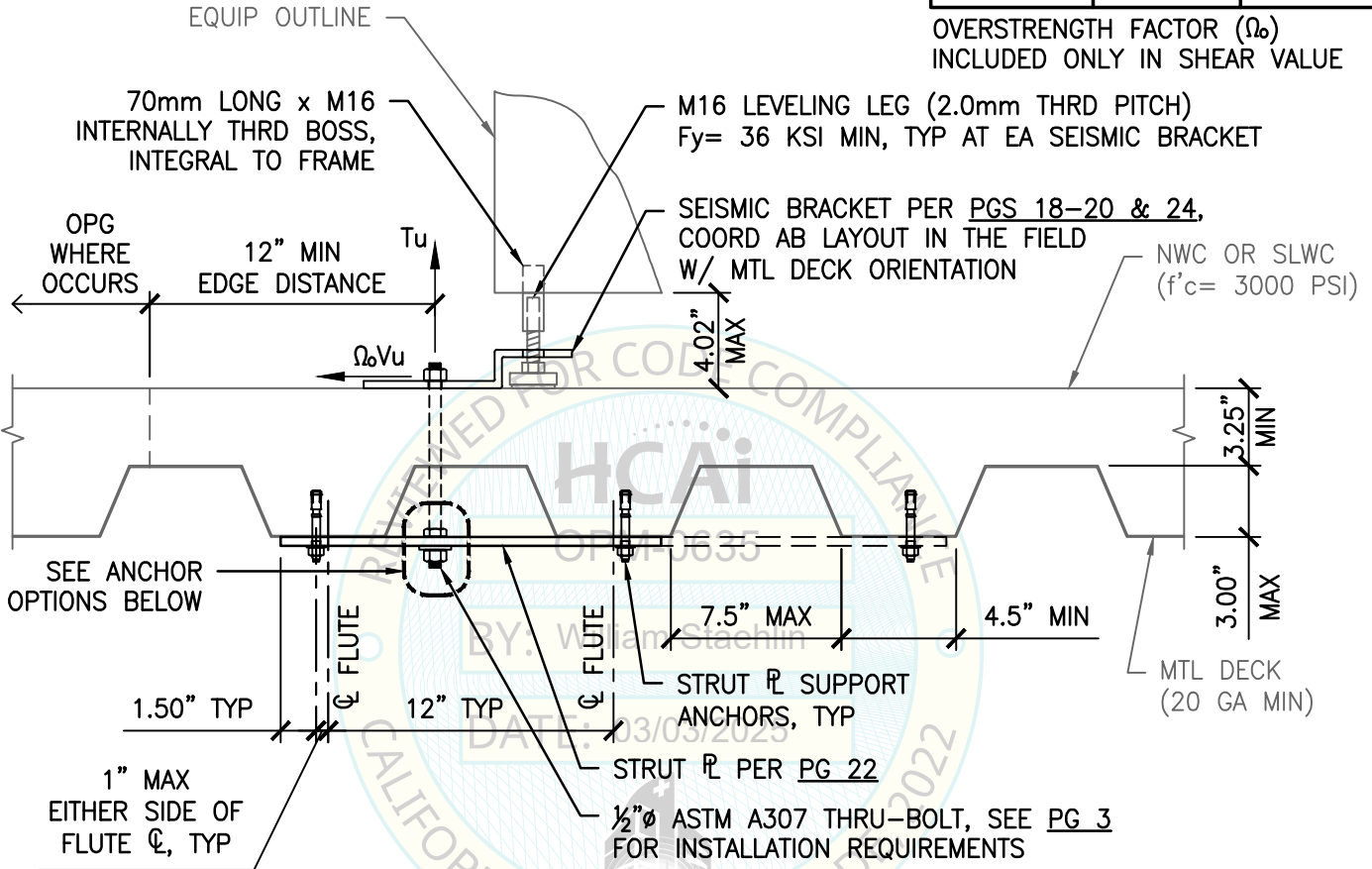
Job No:	24047
Date:	02/13/2025
Page:	20 of 64

C:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6

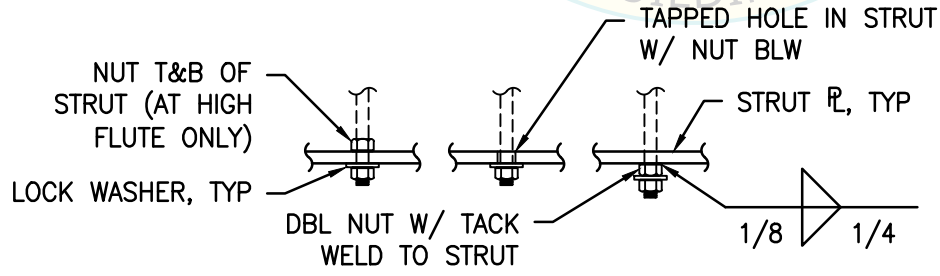


MAX LRFD FORCES AT EA ANCHOR	
T_u	$\Omega_o V_u$
CASE 1	1044#
	1556#

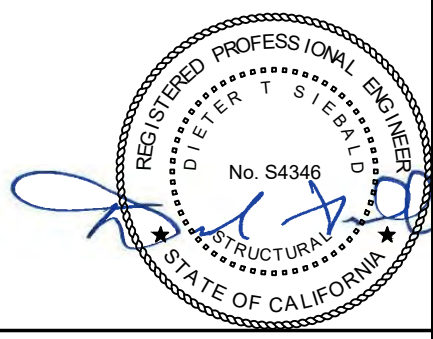
OVERSTRENGTH FACTOR (Ω_o) INCLUDED ONLY IN SHEAR VALUE



SUSPENDED FLOOR (CASE 1)



ANCHOR OPTIONS

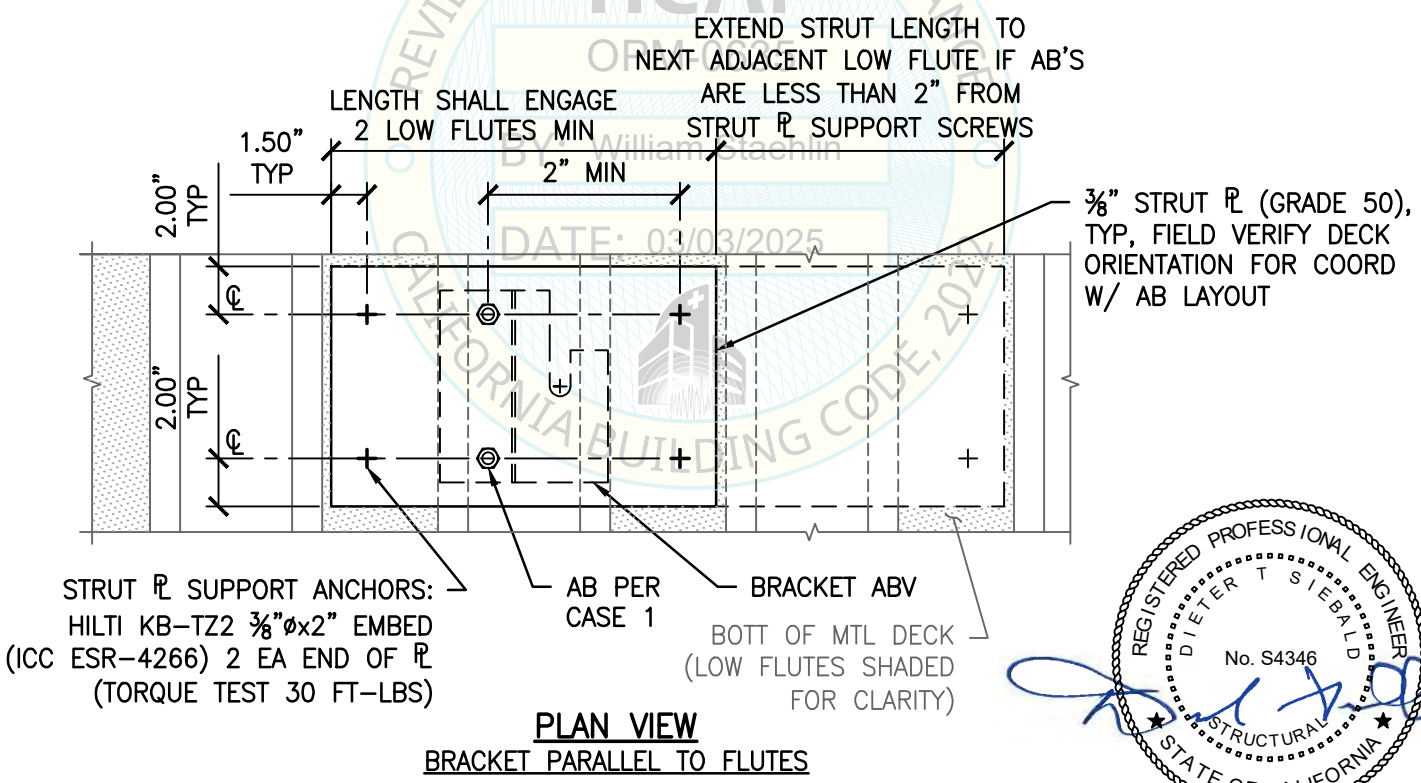
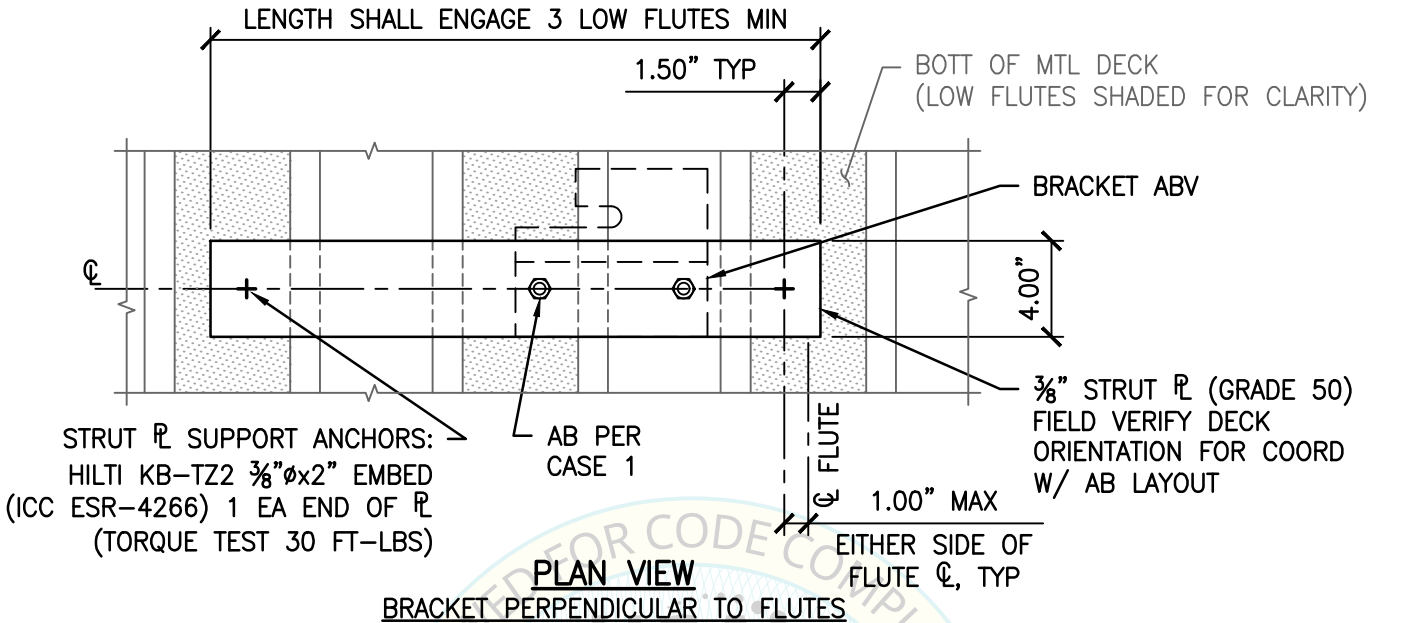


SHEET TITLE: ATTACHMENT DETAIL TO CONCRETE FILL OVER METAL DECK (CASE 1)

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

Job No:	24047
Date:	02/13/2025
Page:	21 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



SHEET TITLE: TYPICAL STRUT DETAIL

<p>CYS STRUCTURAL ENGINEERS, INC. 2710 GATEWAY OAKS DRIVE, SUITE 190N SACRAMENTO, CA 95833</p>	Job No: 24047
	Date: 02/13/2025
	Page: 22 of 64

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

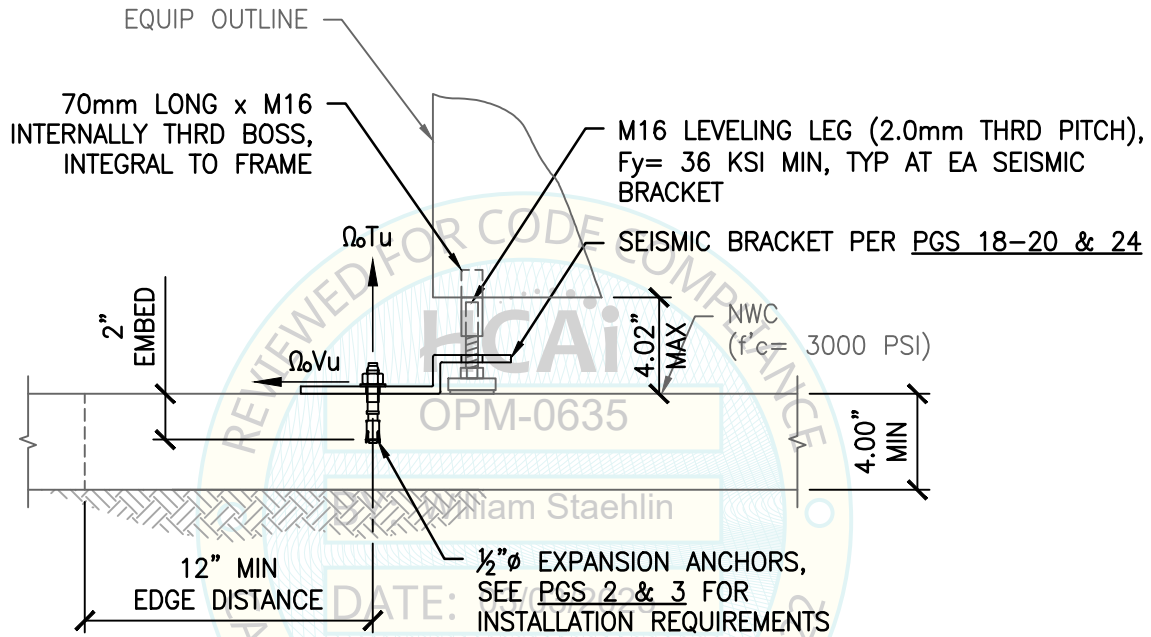
c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



MAX LRFD FORCES
AT EA ANCHOR

	$\Omega_o T_u$	$\Omega_o V_u$
CASE 2	872#	1327#

OVERSTRENGTH FACTOR (Ω_o) INCLUDED.



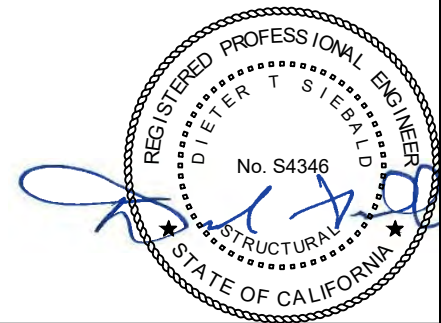
SLAB ON GRADE (CASE 2)

EQUIPMENT FRAME MATERIAL:

SUS430, GRADE 430SS, ASTM A240:
2.0mm THK (14 GA)
Fy= 45 KSI MIN; Fu= 70 KSI MIN

OR

JFE-CC-EZ-JN 20/20, CHROMATE FREE COATED STEEL:
2.5mm THK (13 GA)
Fy= 18.1 KSI MIN; Fu= 39.1 KSI MIN



SHEET TITLE: ATTACHMENT DETAIL
TO SLAB ON GRADE (CASE 2)



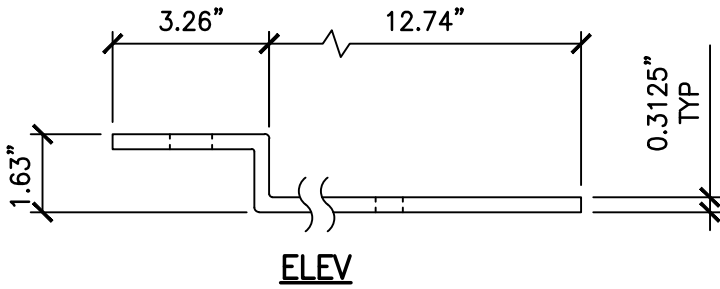
CYS STRUCTURAL ENGINEERS, INC.

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

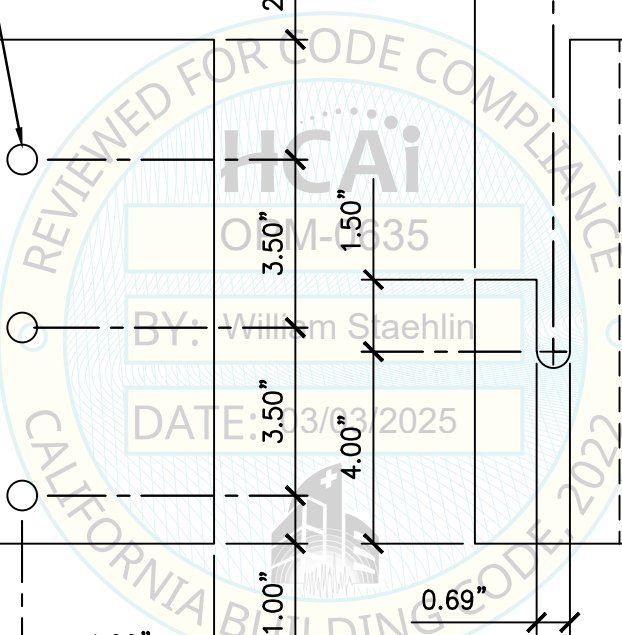
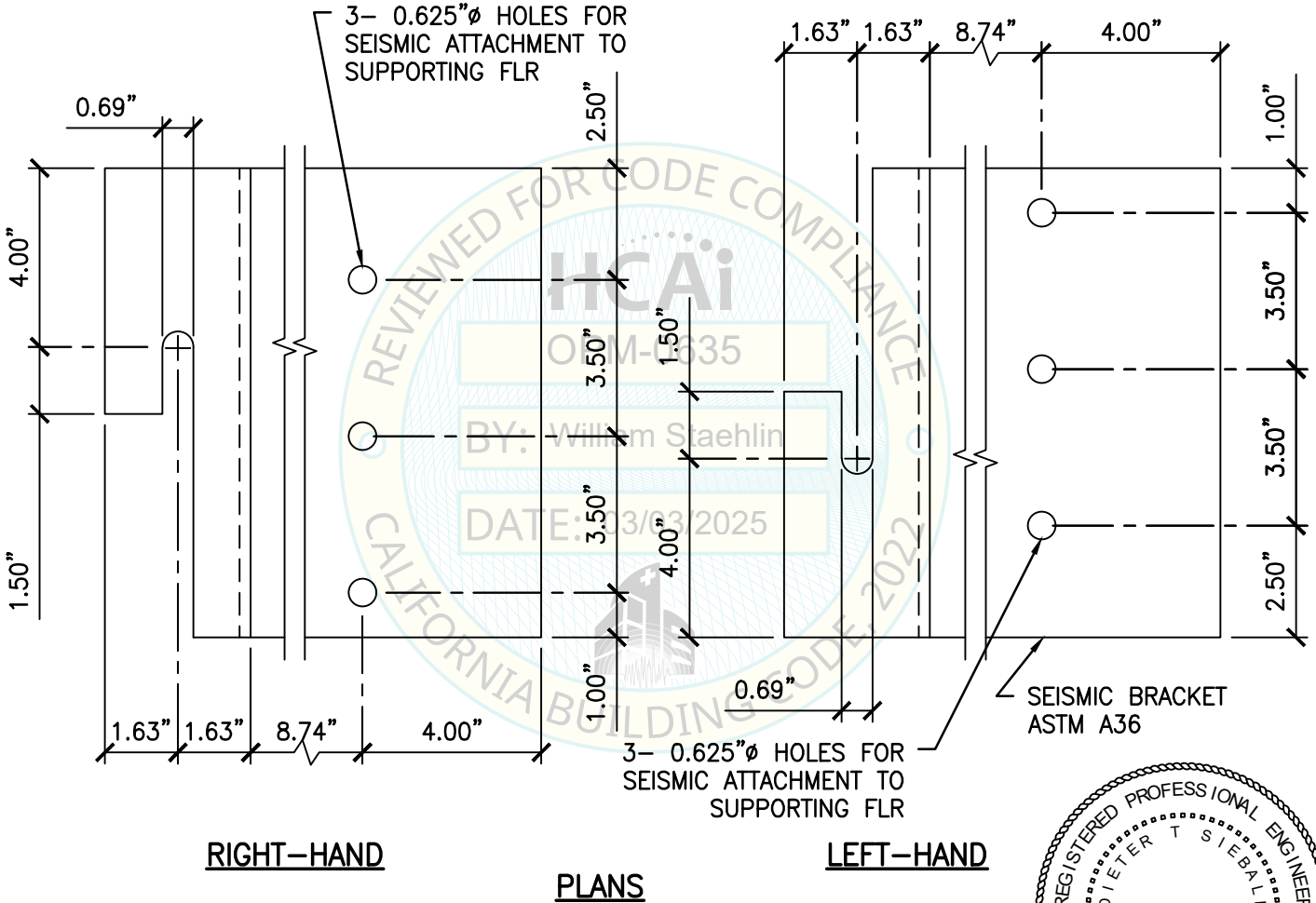
TEL (916) 920-2020
www.cyseng.com

Job No:	24047
Date:	02/13/2025
Page:	23 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



- NOTES:**
1. FOR CASE 1 & CASE 2 ATTACHMENT TO FLR, SEE PGS 21 & 23.
 2. BRACKET & SLOT DIRECTIONS SHALL BE FOLLOWED AS SHOWN ON SYSTEM CONFIGURATION PLANS.
 3. THESE ALTERNATE SEISMIC BRACKETS ARE FOR THE FRONT OF THE c503, c703 & e801 MODULES.



SHEET TITLE: ALTERNATE SEISMIC BRACKET DETAIL
AT FRONT OF ANALYTICAL UNITS



CYS STRUCTURAL ENGINEERS, INC.

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

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

Job No:	24047
Date:	02/13/2025
Page:	24 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom Dimscale:12 LTScale:6



TABLE OF CONTENTS ADDENDUM
OPM-0635

PAGE

ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS

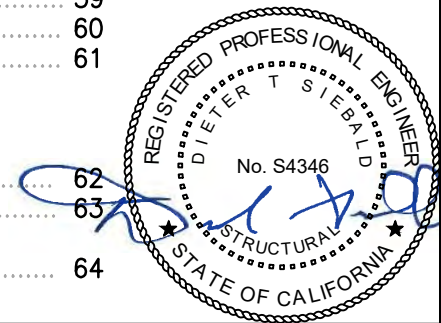
c503	26
c503 + c503	27
ISE + c503 + ISE + c503	28
ISE + c503 + ISE + c503 + e801	29
ISE + c503 + e801 + e801	30
ISE + c503 + e801 + e801 + e801	31
ISE neo + c503	32
ISE neo + c503 + e801	33
ISE neo + c503 + e801 + e801	34
ISE neo + c503 + e801 + e801 + e801	35
ISE neo + c503 + c503	36
ISE neo + c503 + c503 + e801	37
ISE neo + c503 + c503 + e801 + e801	38
e801 + e801	39
e801 + e801 + e801	40
e801 + e801 + e801 + e801	41
c703	42
c703 + c703	43
c703 + c703 + c703	44
c703 + c703 + c703 + c703	45
c703 + c703 + c503	46
c703 + c703 + c503 + e801	47
ISE neo + c703	48
ISE neo + c703 + e801	49
ISE neo + c703 + c503	50
ISE neo + c703 + c503 + e801	51
ISE neo + c703 + c503 + e801 + e801	52
ISE neo + c703 + c703	53
ISE neo + c703 + c703 + c503	54
ISE neo + c703 + c703 + c503 + e801	55
ISE neo + c703 + c703 + c703	56
ISE neo + c703 + c703 + c703 + c703	57
ISE neo + c703 + c703 + e801	58
ISE neo + c703 + e801 + e801	59
ISE neo + c703 + e801 + e801 + e801	60
ISE neo + c703 + c703 + e801 + e801	61

ADDITIONAL COMPONENT PLANS & ELEVATIONS

ANALYTICAL UNIT

ISE neo	62
c703	63

ISE neo SEISMIC BRACKET DETAIL	64
--------------------------------------	----



SHEET TITLE: TABLE OF CONTENTS ADDENDUM



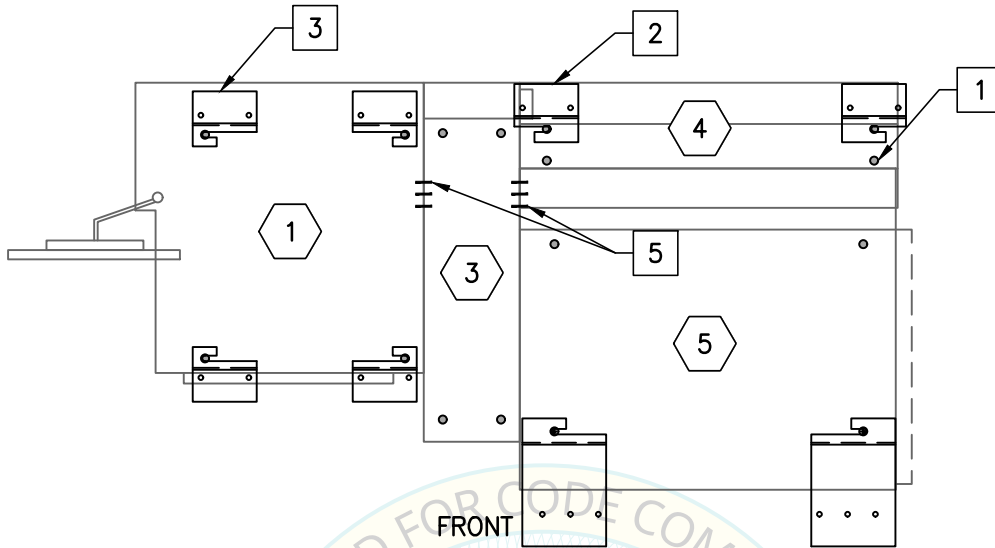
CYS STRUCTURAL ENGINEERS, INC.

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

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

Job No:	24047
Date:	02/13/2025
Page:	25 of 64

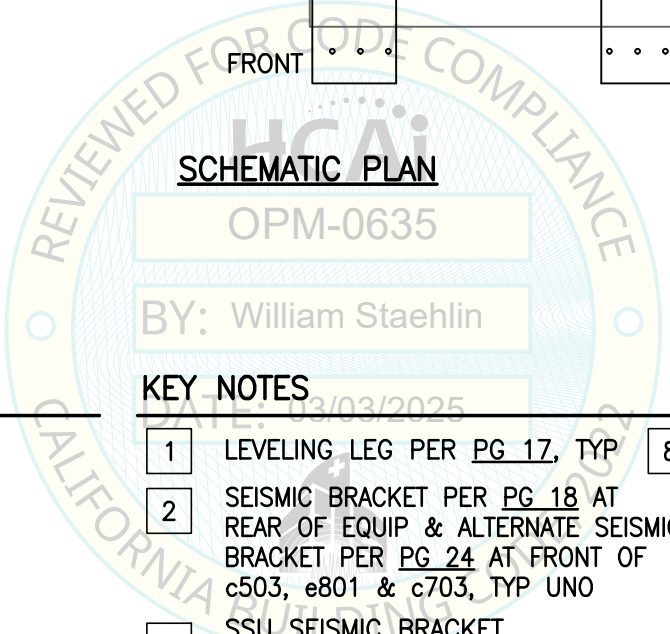
c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom Dimscale:12 LTScale:6



SCHEMATIC PLAN

OPM-0635

BY: William Staehlin



COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6* e801 PER PG 16
- 7* ISE neo PER PG 62
- 8* c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP

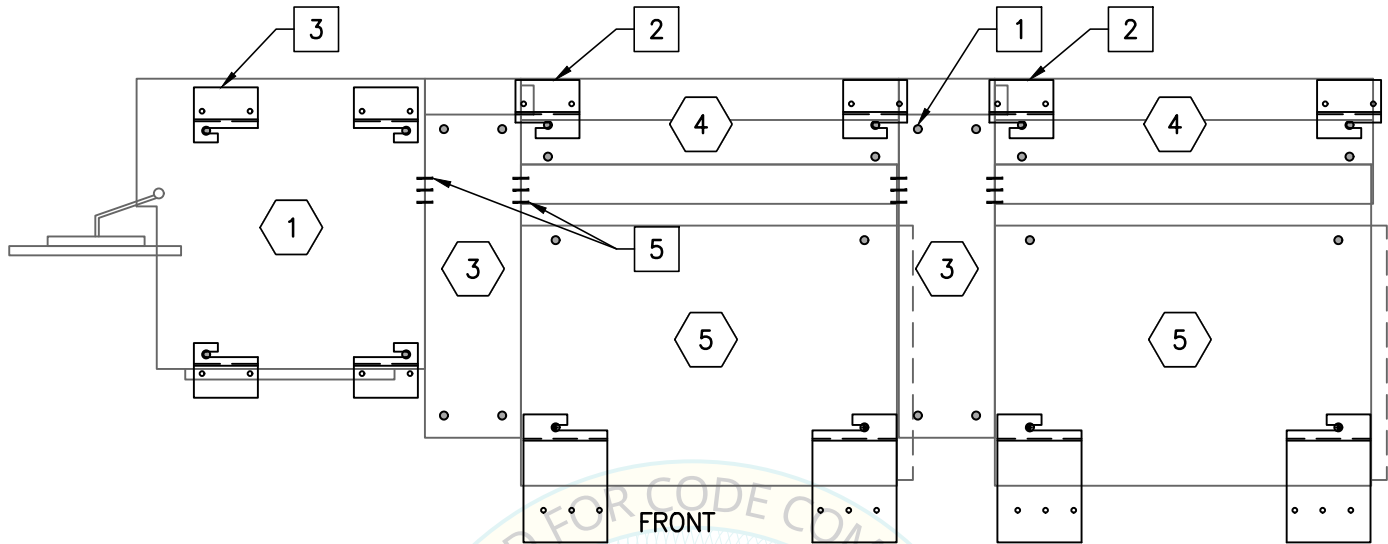


SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS
c503

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

Job No:	24047
Date:	02/13/2025
Page:	26 of 64

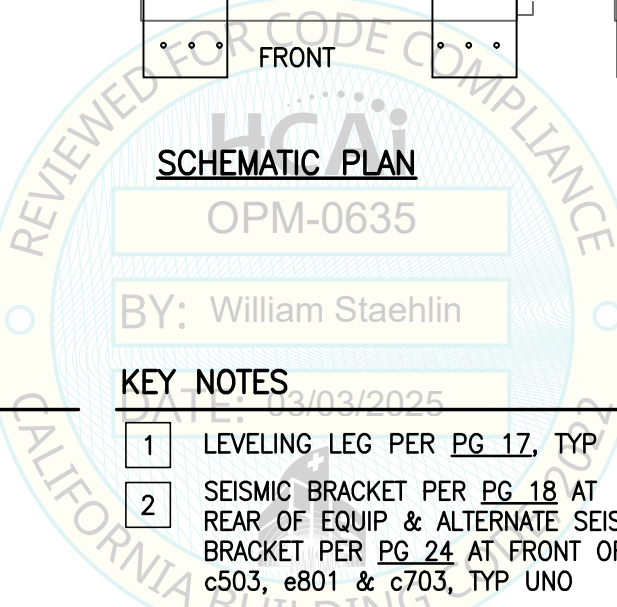
c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom Dimscale:12 LTScale:6



SCHEMATIC PLAN

OPM-0635

BY: William Staehlin



COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6* e801 PER PG 16
- 7* ISE neo PER PG 62
- 8 c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP

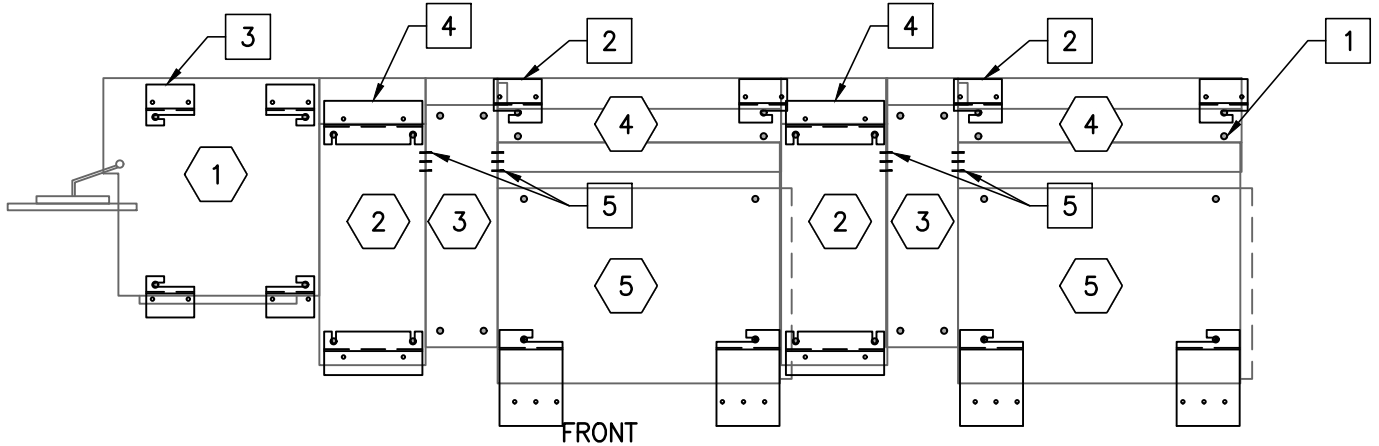


SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS
c503 + c503

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

Job No:	24047
Date:	02/13/2025
Page:	27 of 64

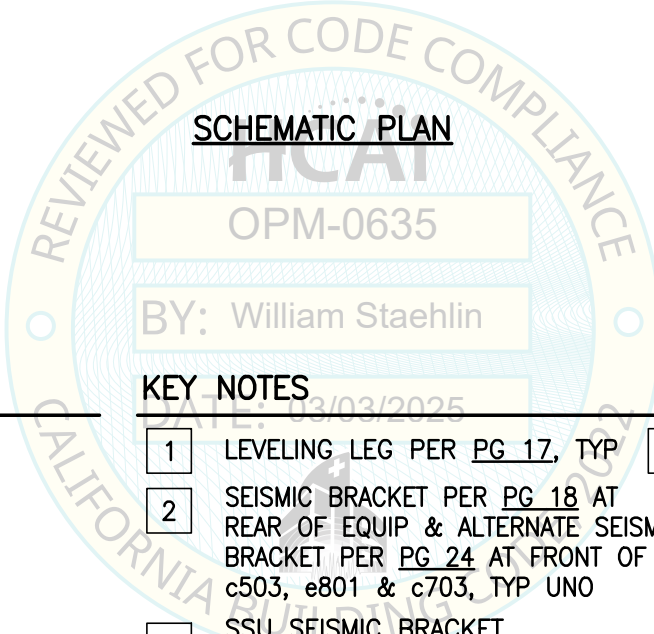
c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



SCHEMATIC PLAN

OPM-0635

BY: William Staehlin



COMPONENT:

- 1 SSU PER PG 11
- 2 ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6* e801 PER PG 16
- 7* ISE neo PER PG 62
- 8* c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



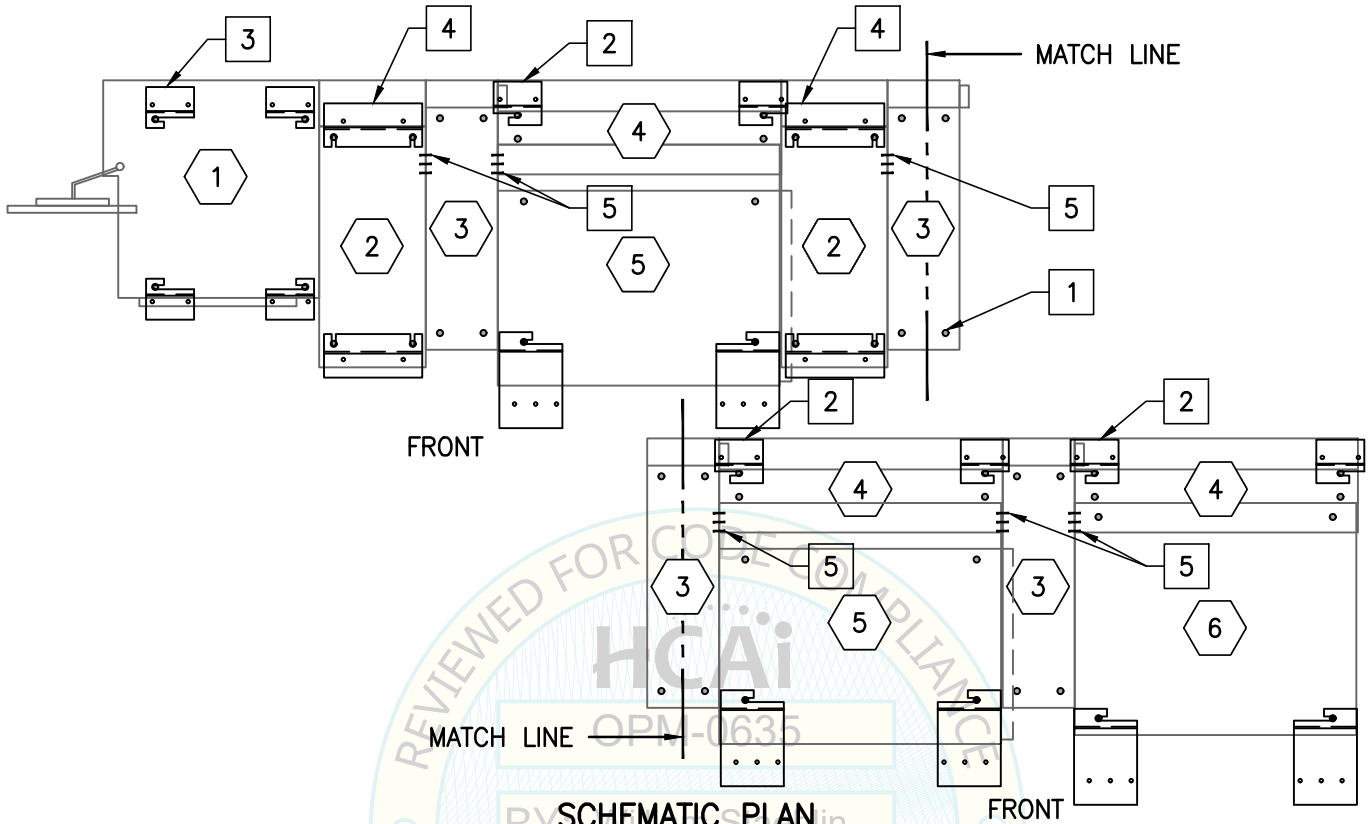
SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS

ISE + c503 + ISE + c503

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

Job No:	24047
Date:	02/13/2025
Page:	28 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



SCHMATIC PLAN

COMPONENT:

- 1 SSU PER PG 11
- 2 ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6 e801 PER PG 16
- 7* ISE neo PER PG 62
- 8* c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS)
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS

ISE + c503 + ISE + c503 + e801



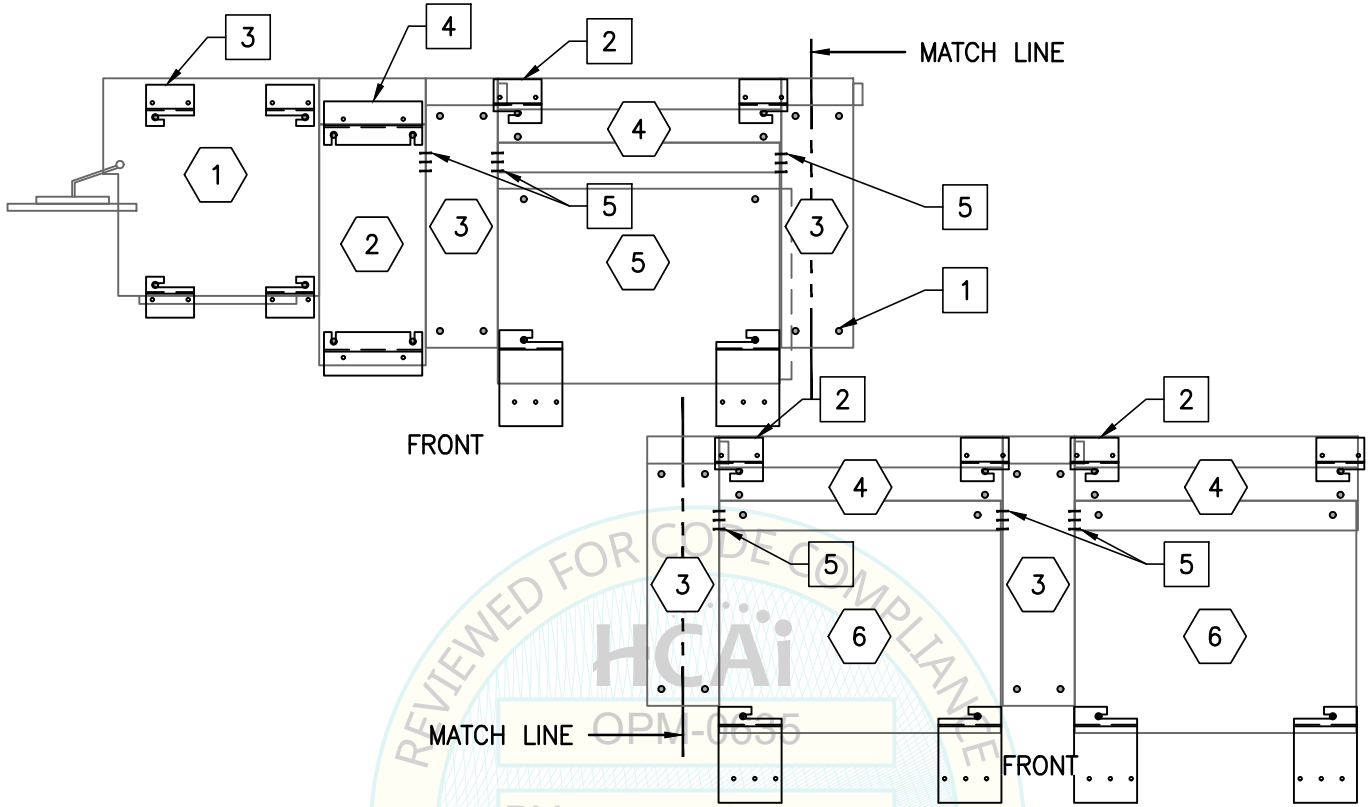
CYS STRUCTURAL ENGINEERS, INC.

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

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

Job No:	24047
Date:	02/13/2025
Page:	29 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom Dimscale:12 LTScale:6



SCHEMATIC PLAN

COMPONENT:

- 1 SSU PER PG 11
- 2 ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6 e801 PER PG 16
- 7* ISE neo PER PG 62
- 8* c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS)
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS

ISE + c503 + e801 + e801



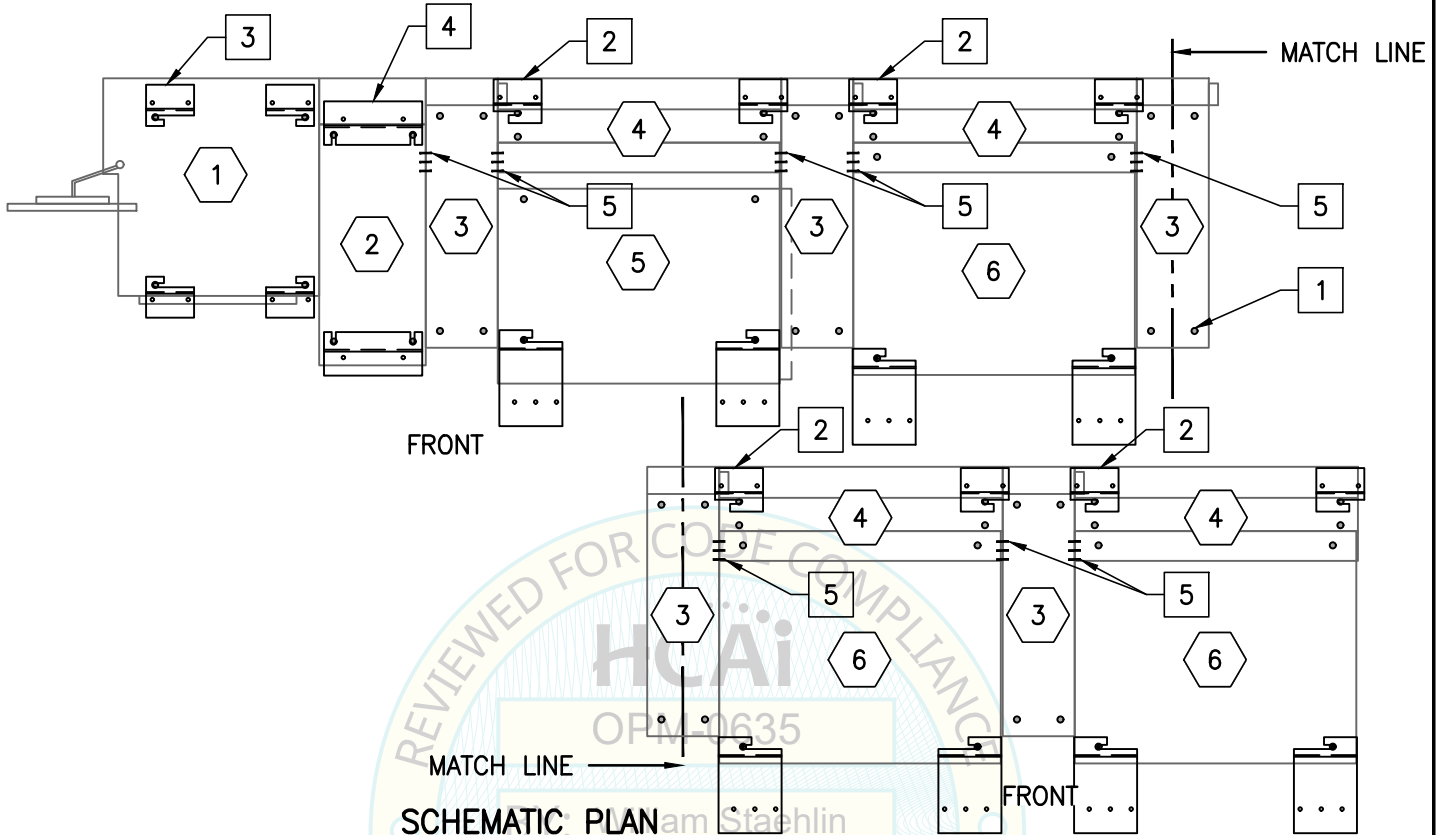
CYS STRUCTURAL ENGINEERS, INC.

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

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

Job No:	24047
Date:	02/13/2025
Page:	30 of 64

C:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



SCHMATIC PLAN

COMPONENT:

- 1 SSU PER PG 11
- 2 ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6 e801 PER PG 16
- 7* ISE neo PER PG 62
- 8* c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS

ISE + c503 + e801 + e801 + e801



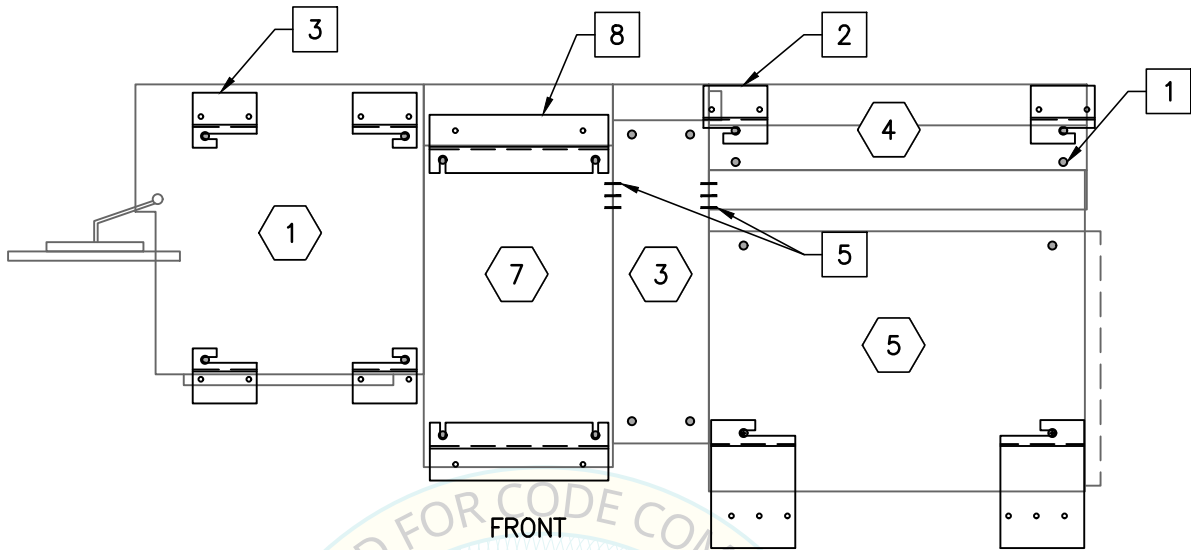
CYS STRUCTURAL ENGINEERS, INC.

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

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

Job No:	24047
Date:	02/13/2025
Page:	31 of 64

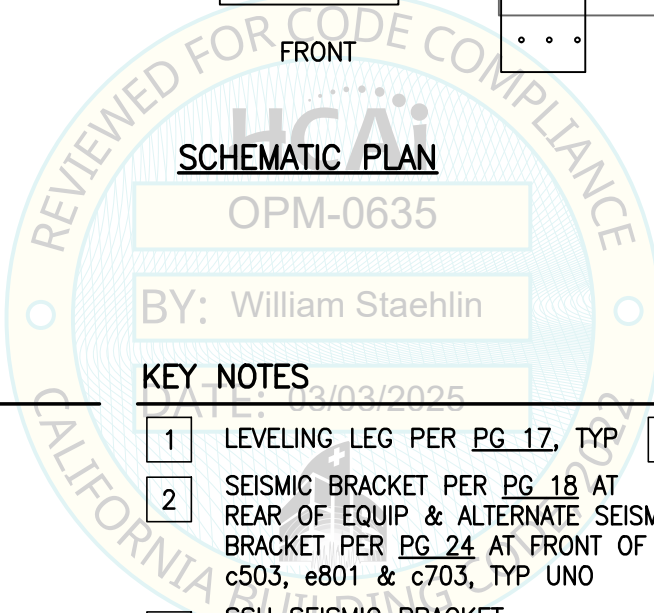
c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom Dimscale:12 LTScale:6



SCHEMATIC PLAN

OPM-0635

BY: William Staehlin



COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6* e801 PER PG 16
- 7 ISE neo PER PG 62
- 8* c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS)
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



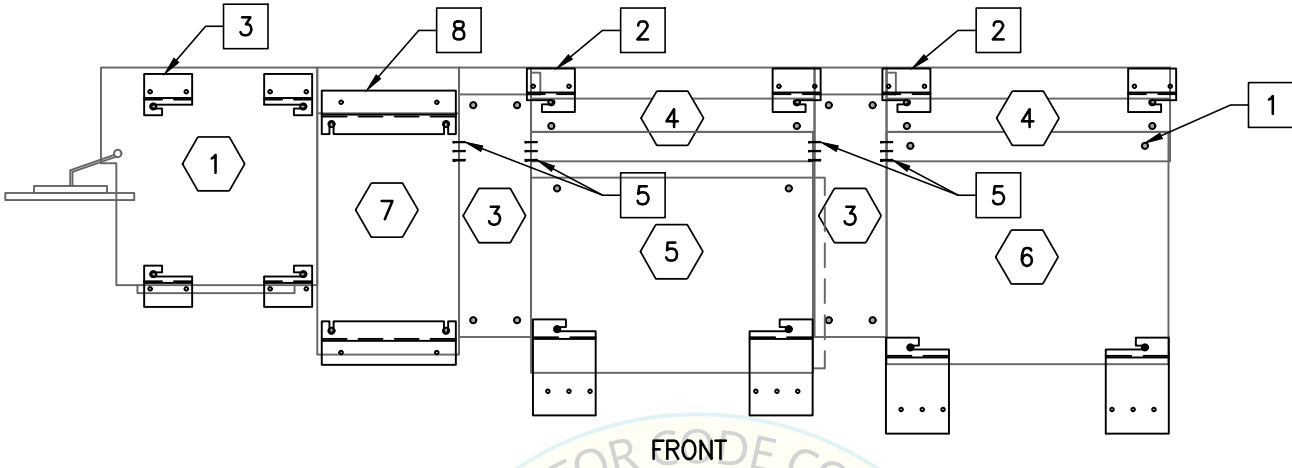
SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS
ISE neo + c503

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833

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

Job No:	24047
Date:	02/13/2025
Page:	32 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6

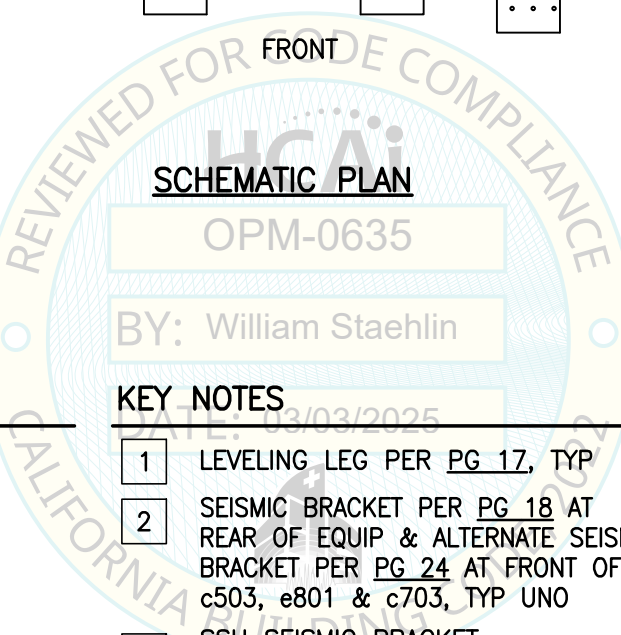


FRONT

SCHEMATIC PLAN

OPM-0635

BY: William Staehlin



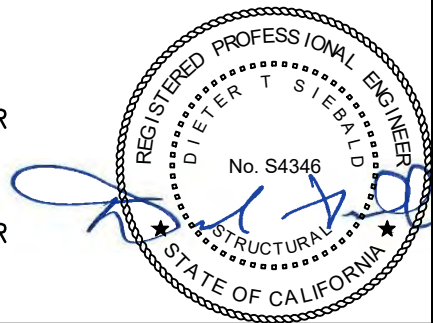
COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6 e801 PER PG 16
- 7 ISE neo PER PG 62
- 8* c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS

ISE neo + c503 + e801



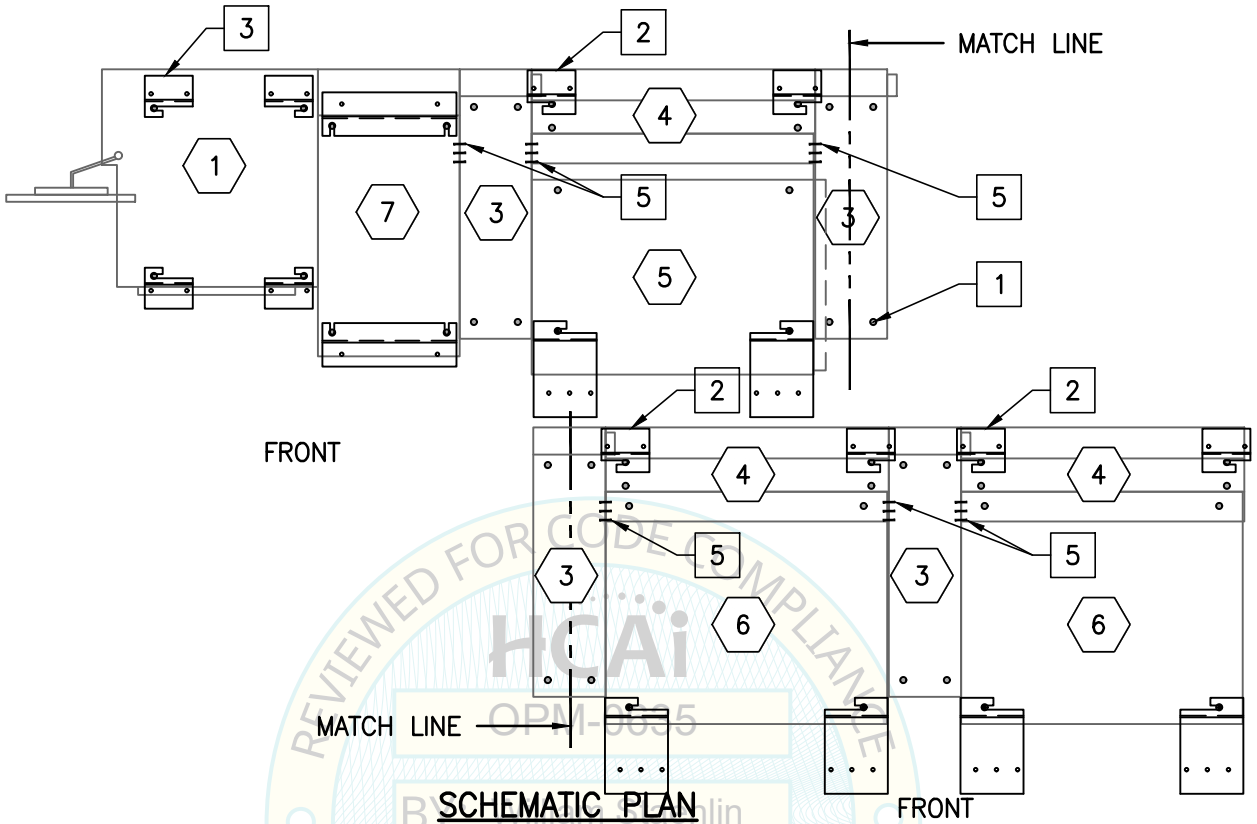
CYS STRUCTURAL ENGINEERS, INC.

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

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

Job No:	24047
Date:	02/13/2025
Page:	33 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



SCHEMATIC PLAN

COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6 e801 PER PG 16
- 7 ISE neo PER PG 62
- 8* c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

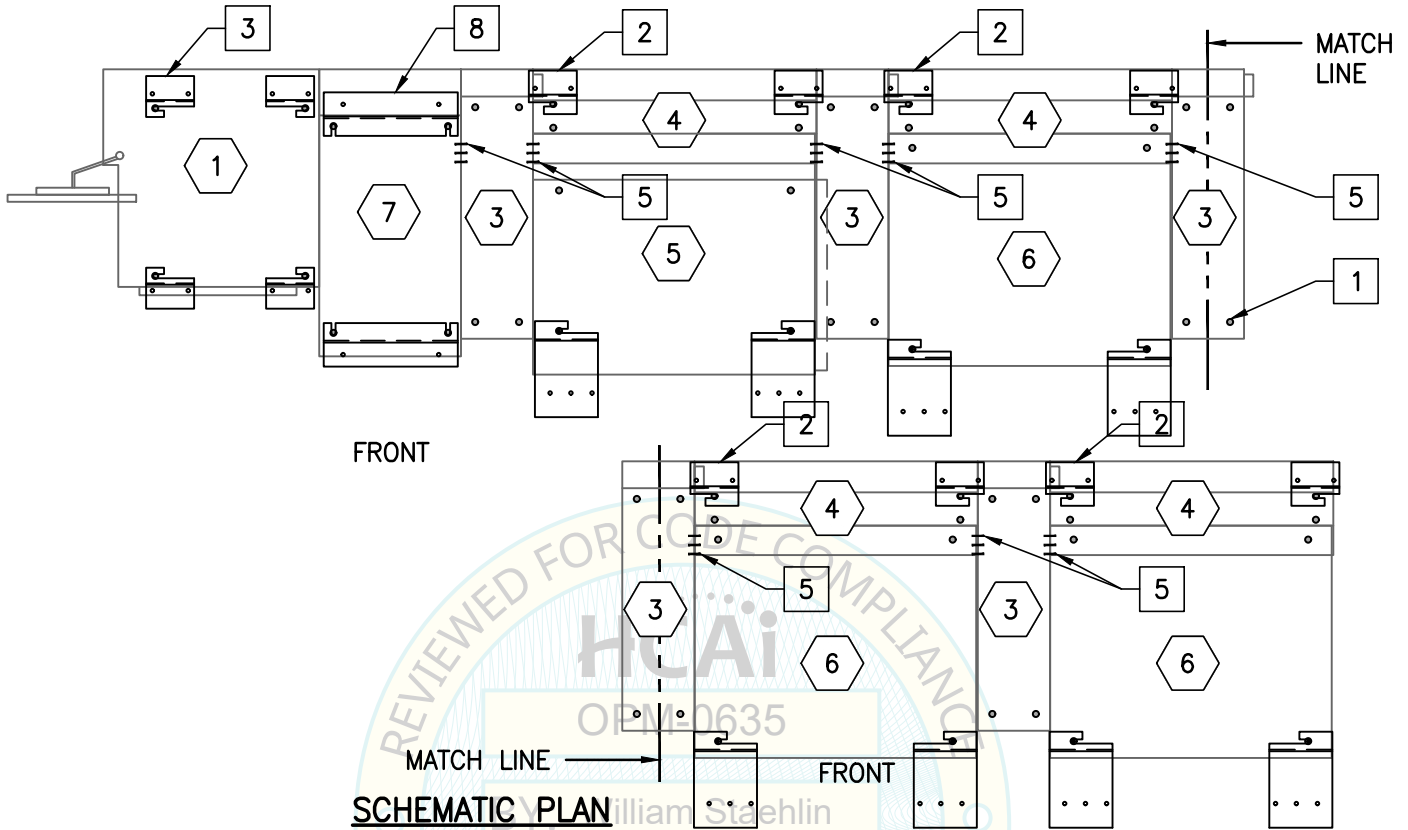
- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP *



SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS
ISE neo + c503 + e801 + e801

<p>CYS STRUCTURAL ENGINEERS, INC. 2710 GATEWAY OAKS DRIVE, SUITE 190N SACRAMENTO, CA 95833</p>	TEL (916) 920-2020 www.cyseng.com	Job No: 24047 Date: 02/13/2025 Page: 34 of 64
---	--------------------------------------	---

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\SI_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



SCHMATIC PLAN

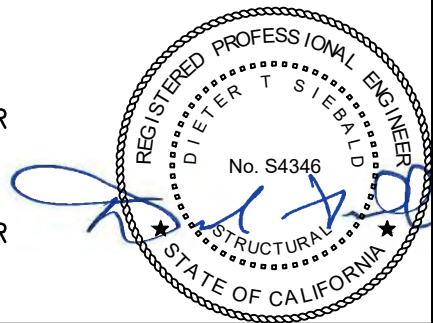
COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6 e801 PER PG 16
- 7 ISE neo PER PG 62
- 8* c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS

ISE neo + c503 + e801 + e801 + e801



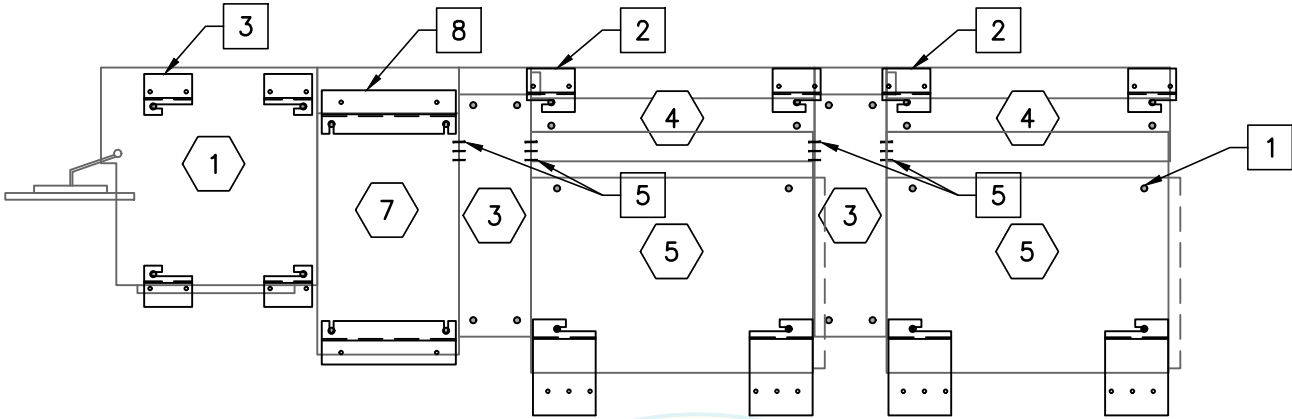
CYS STRUCTURAL ENGINEERS, INC.

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

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

Job No:	24047
Date:	02/13/2025
Page:	35 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom Dimscale:12 LTScale:6

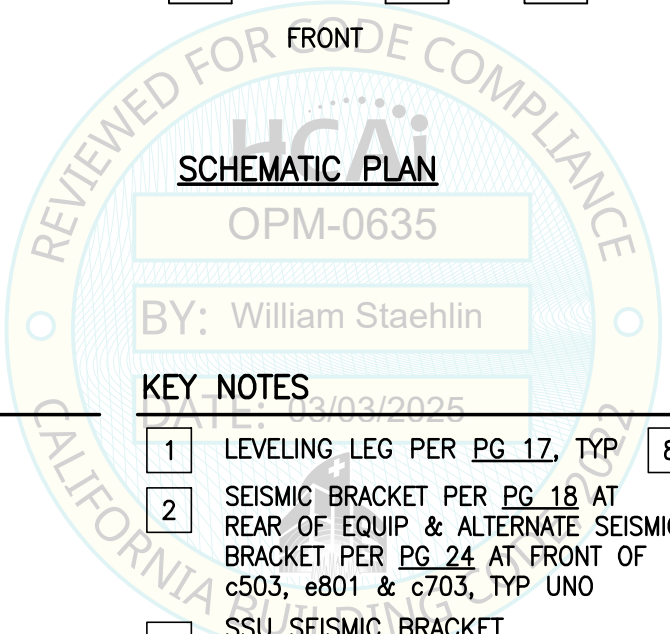


FRONT

SCHEMATIC PLAN

OPM-0635

BY: William Staehlin



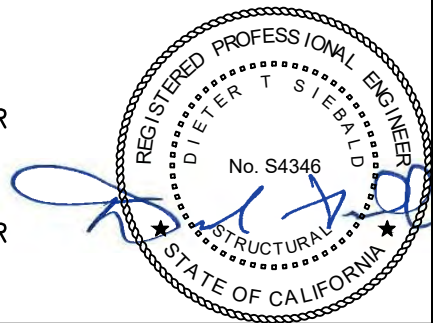
COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6* e801 PER PG 16
- 7 ISE neo PER PG 62
- 8* c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS

ISE neo + c503 + c503



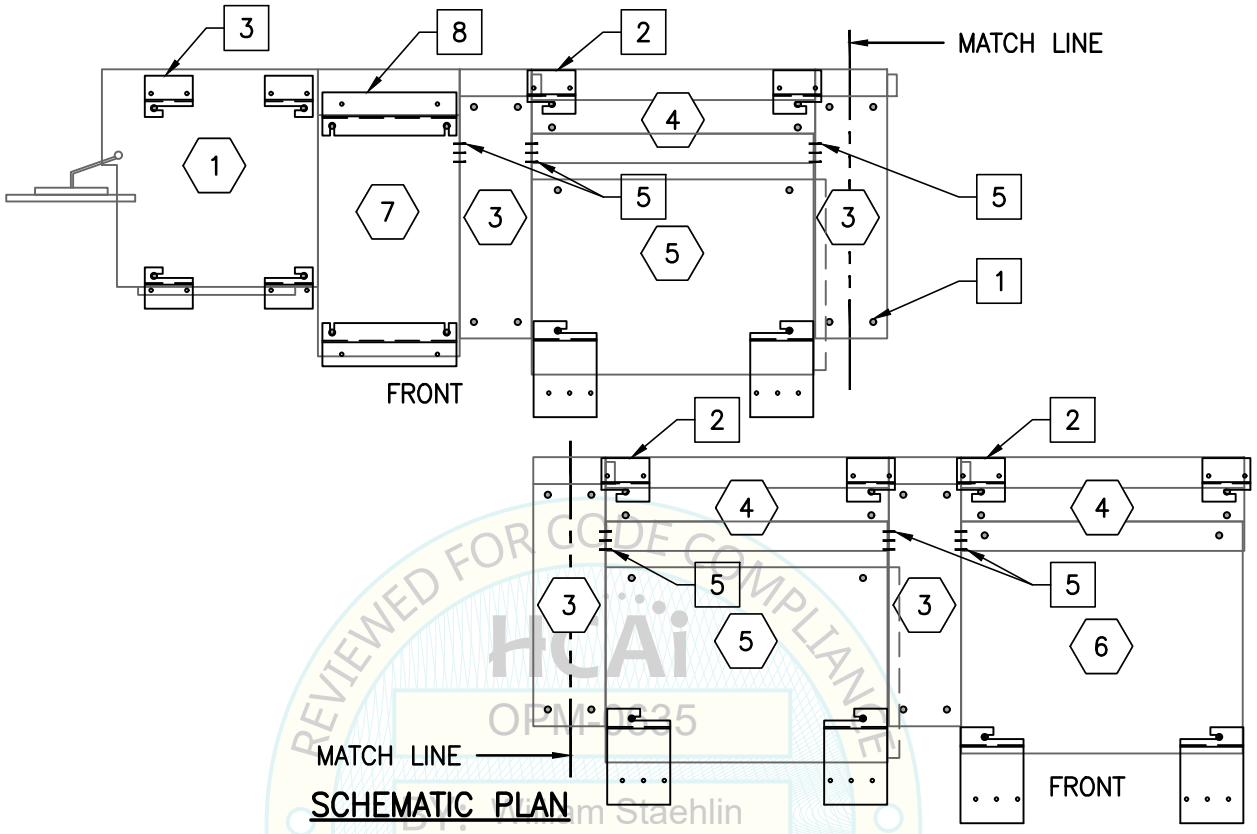
CYS STRUCTURAL ENGINEERS, INC.

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

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

Job No:	24047
Date:	02/13/2025
Page:	36 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



SCHEMATIC PLAN

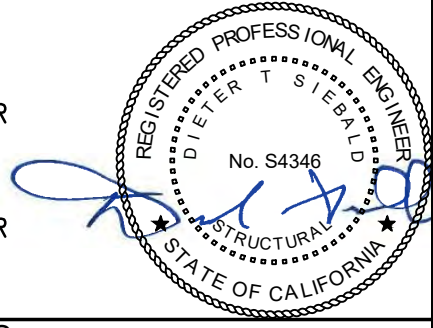
COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6 e801 PER PG 16
- 7 ISE neo PER PG 62
- 8* c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS)
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



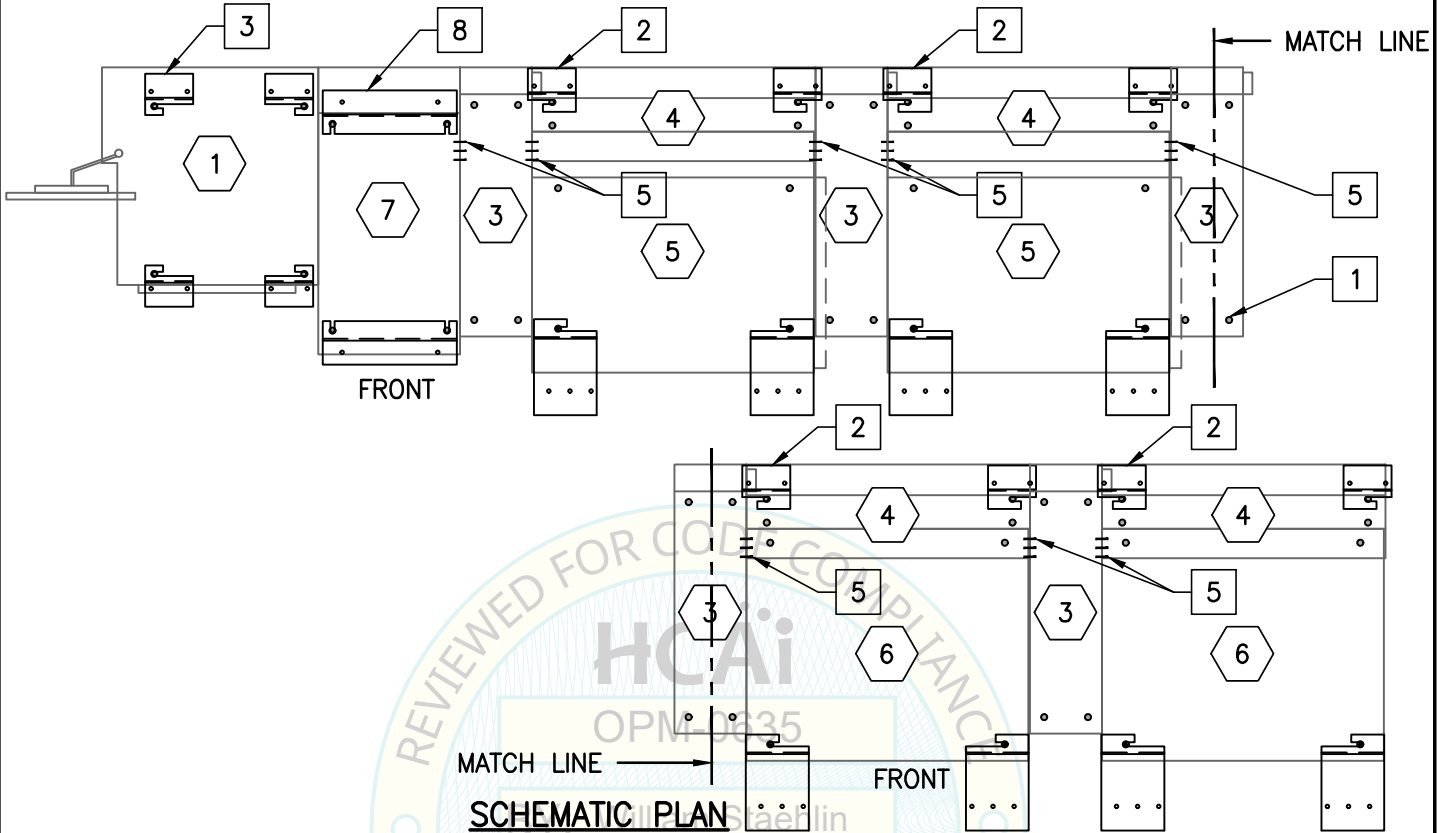
SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS

ISE neo + c503 + c503 + e801

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

Job No:	24047
Date:	02/13/2025
Page:	37 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\SI_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



SCHMATIC PLAN

COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6 e801 PER PG 16
- 7 ISE neo PER PG 62
- 8* c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS)
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS

ISE neo + c503 + c503 + e801 + e801



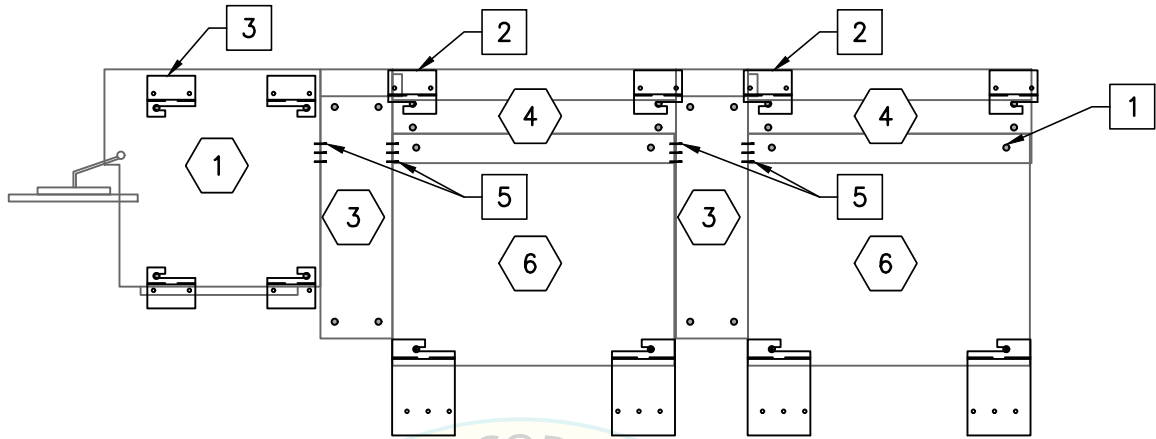
CYS STRUCTURAL ENGINEERS, INC.

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

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

Job No:	24047
Date:	02/13/2025
Page:	38 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom Dimscale:12 LTScale:6

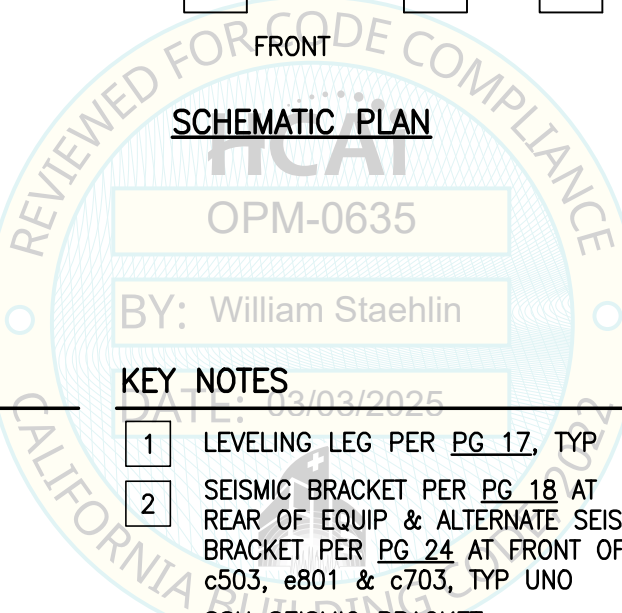


FRONT

SCHEMATIC PLAN

OPM-0635

BY: William Staehlin



COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5* c503 PER PG 15
- 6 e801 PER PG 16
- 7* ISE neo PER PG 62
- 8* c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP

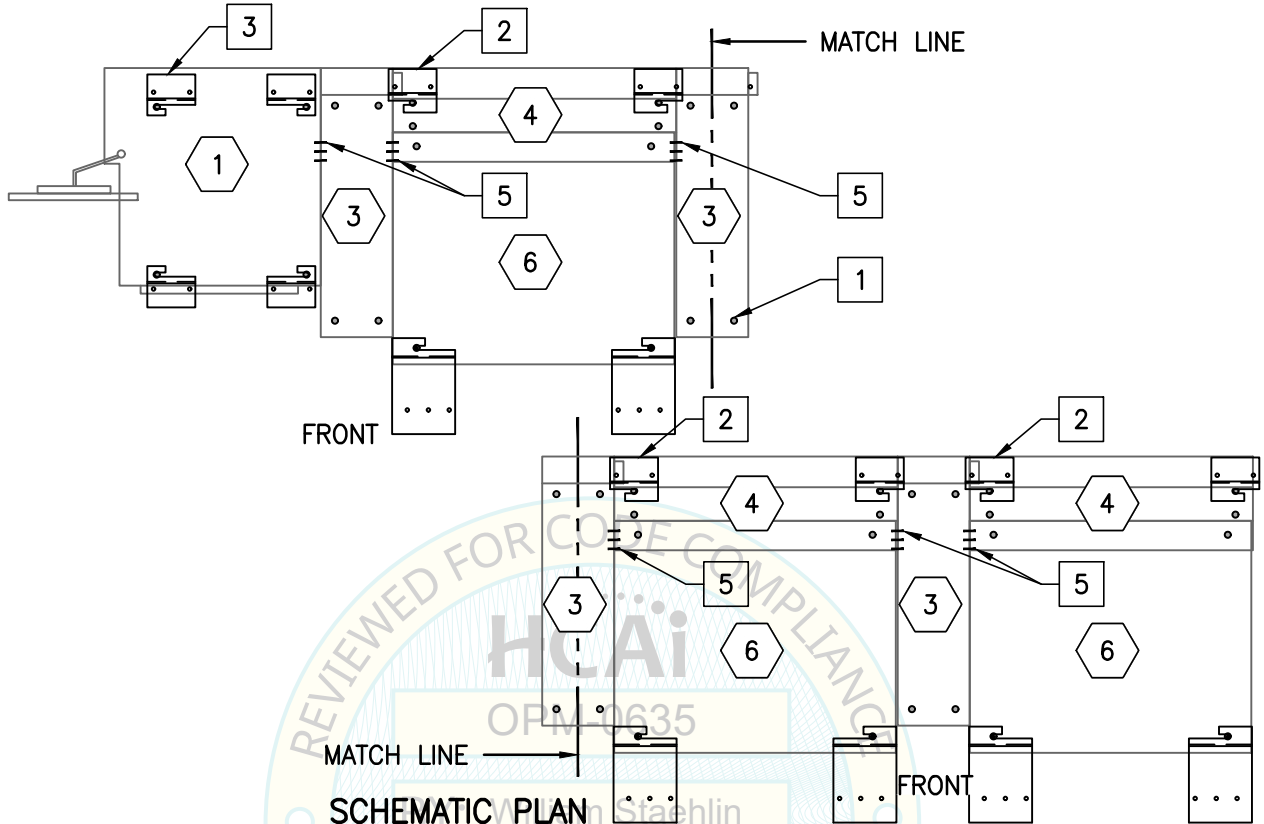


SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS
e801 + e801

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

Job No:	24047
Date:	02/13/2025
Page:	39 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



SCHMATIC PLAN

COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5* c503 PER PG 15
- 6 e801 PER PG 16
- 7* ISE neo PER PG 62
- 8* c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP

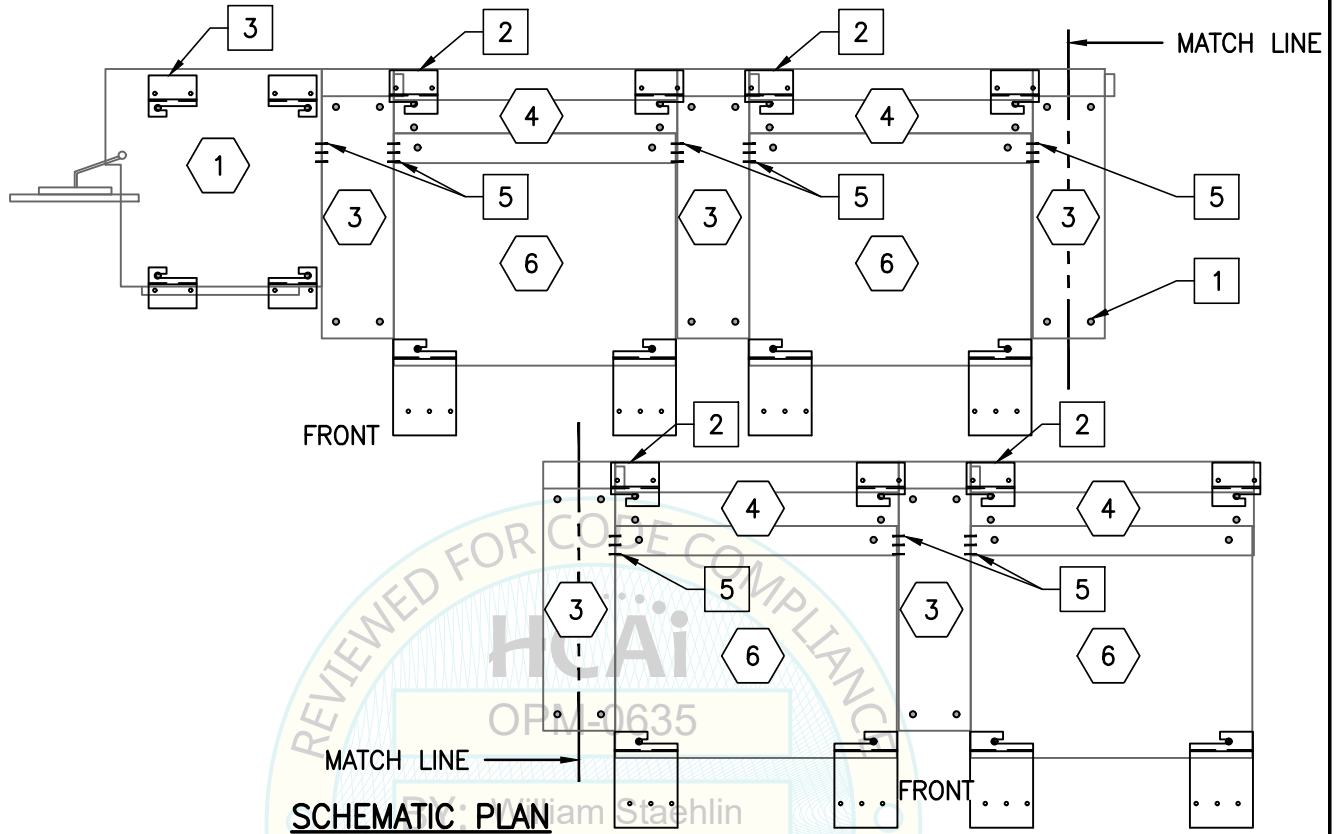


SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS
e801 + e801 + e801

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

Job No:	24047
Date:	02/13/2025
Page:	40 of 64

C:\Users\comachom\AppData\Local\Temp\AcPublish_40988\SI_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



SCHMATIC PLAN

COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5* c503 PER PG 15
- 6 e801 PER PG 16
- 7* ISE neo PER PG 62
- 8* c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP

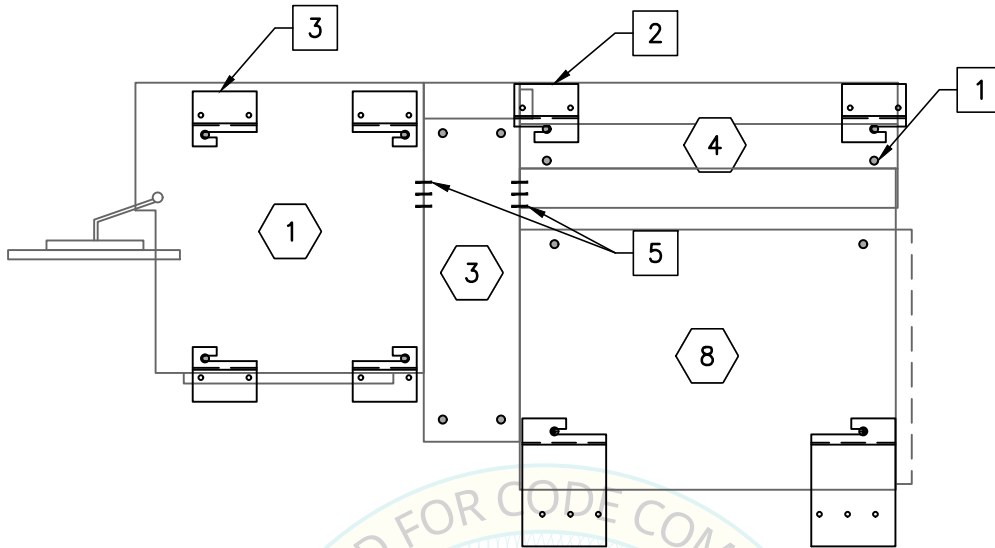


SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS
e801 + e801 + e801 + e801

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

Job No:	24047
Date:	02/13/2025
Page:	41 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom Dimscale:12 LTScale:6

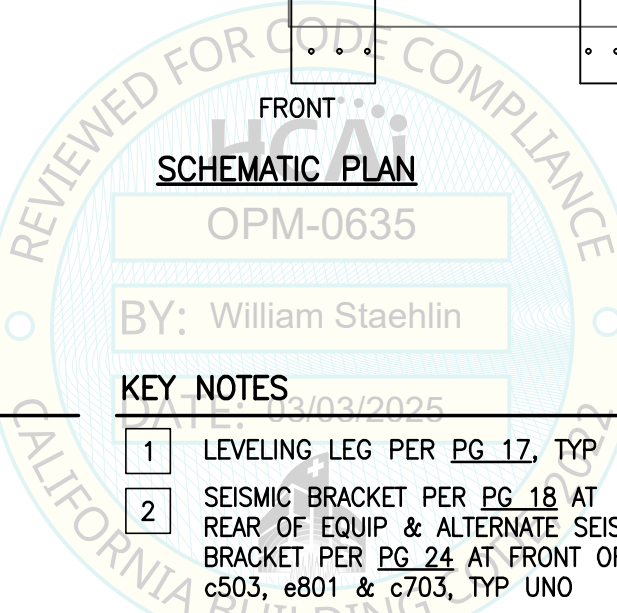


FRONT

SCHEMATIC PLAN

OPM-0635

BY: William Staehlin



COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5* c503 PER PG 15
- 6* e801 PER PG 16
- 7* ISE neo PER PG 62
- 8 c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



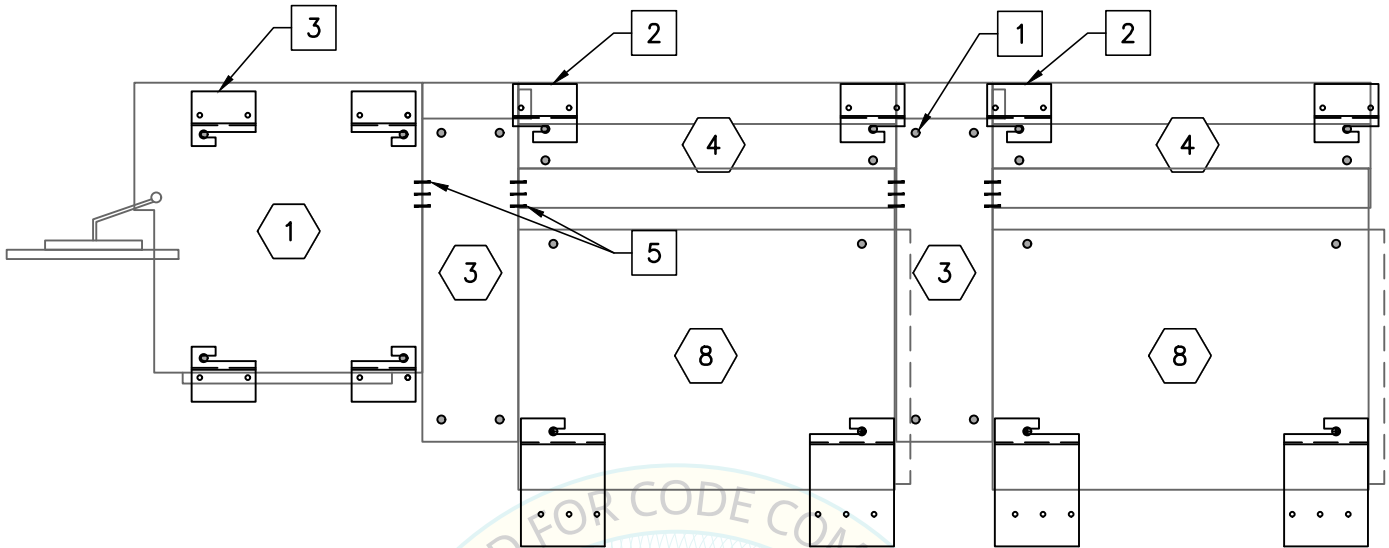
SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS
c703

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833

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

Job No:	24047
Date:	02/13/2025
Page:	42 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom Dimscale:12 LTScale:6



FRONT
SCHEMATIC PLAN

OPM-0635

BY: William Staehlin

COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5* c503 PER PG 15
- 6* e801 PER PG 16
- 7* ISE neo PER PG 62
- 8 c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP

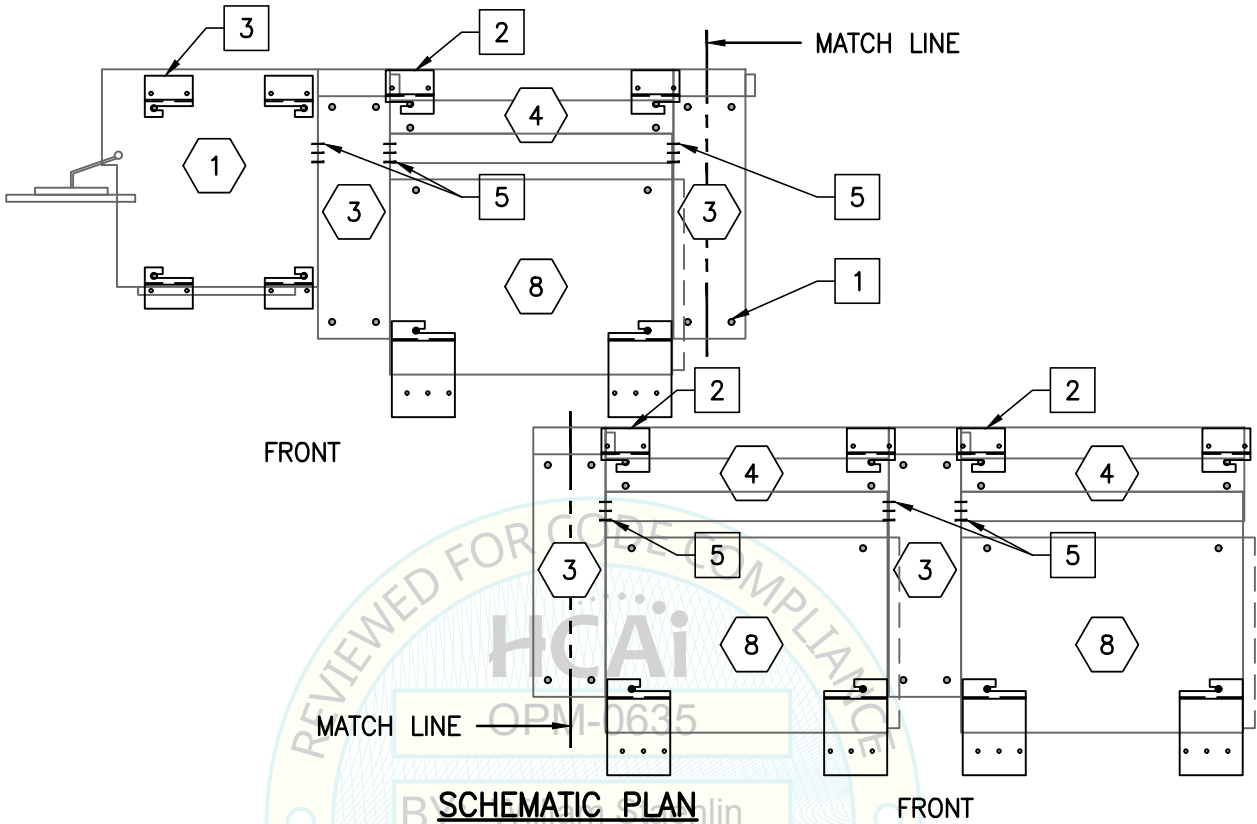


SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS
c703 + c703

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

Job No:	24047
Date:	02/13/2025
Page:	43 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom Dimstyle:12 LTScale:6



SCHEMATIC PLAN

COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5* c503 PER PG 15
- 6* e801 PER PG 16
- 7* ISE neo PER PG 62
- 8 c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP

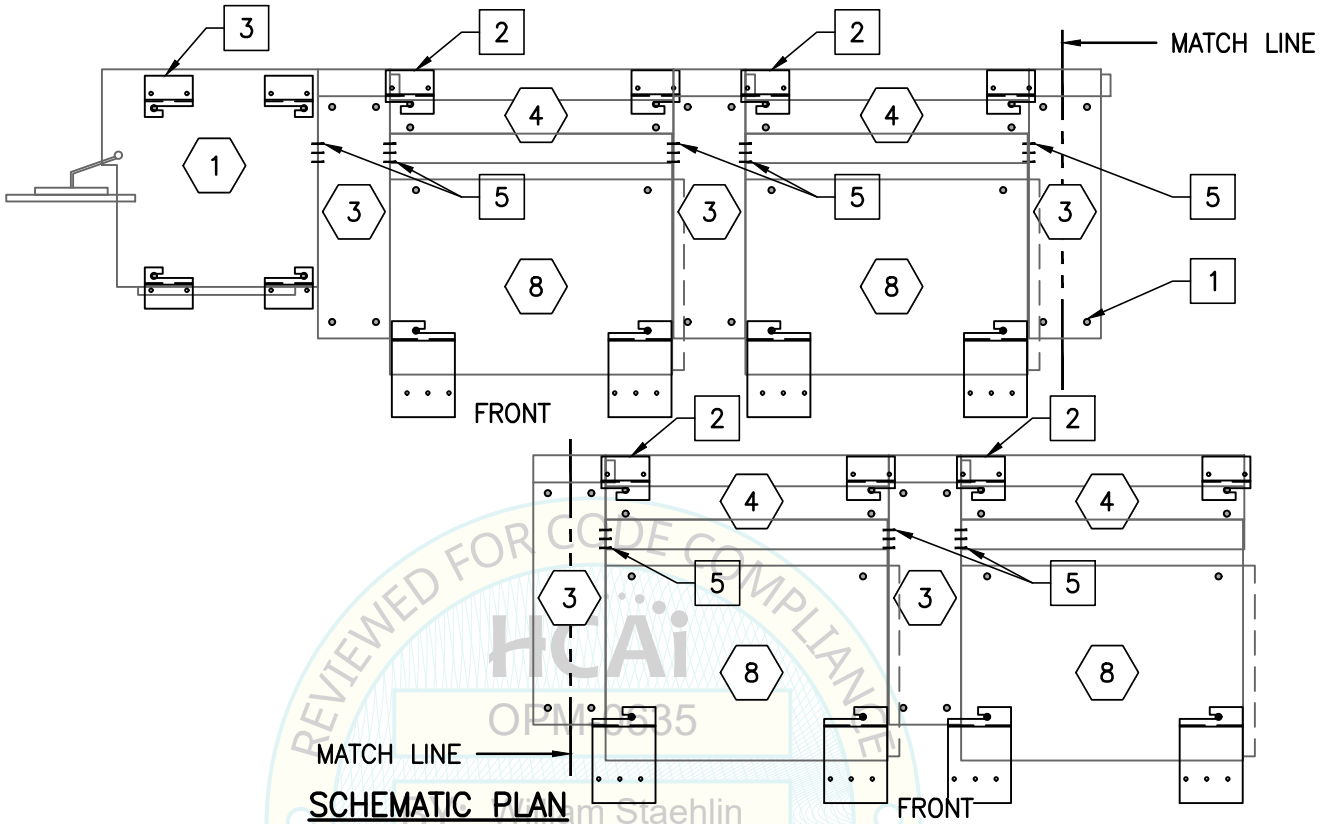


SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS
c703 + c703 + c703

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

Job No:	24047
Date:	02/13/2025
Page:	44 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom Dimscale:12 LTScale:6



SCHEMATIC PLAN

COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5* c503 PER PG 15
- 6* e801 PER PG 16
- 7* ISE neo PER PG 62
- 8 c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP

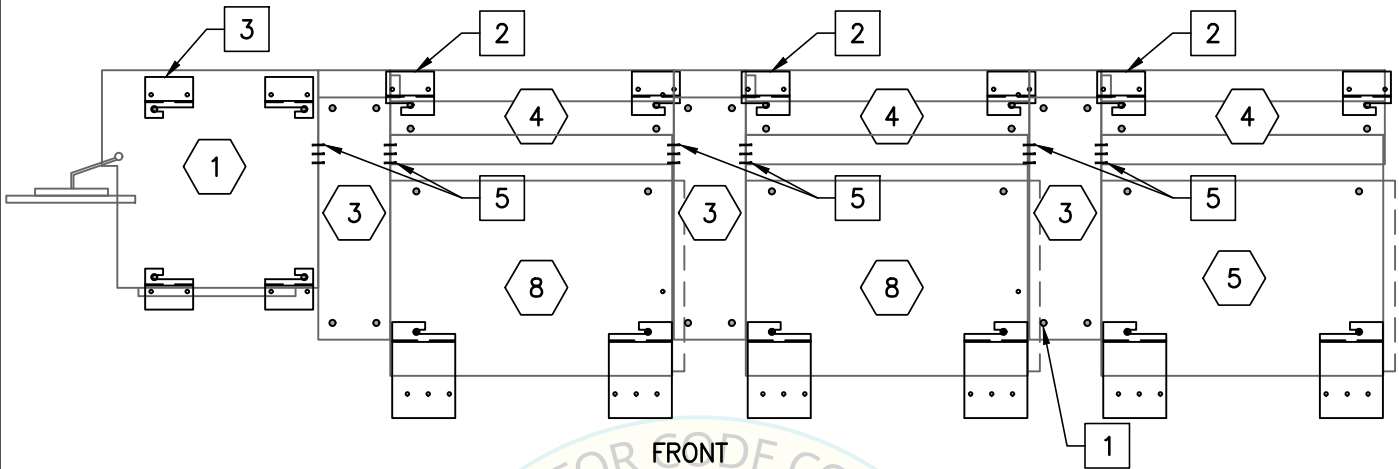


SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS
c703 + c703 + c703 + c703

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

Job No:	24047
Date:	02/13/2025
Page:	45 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\SI_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



SCHEMATIC PLAN

OPM-0635

BY: William Staehlin

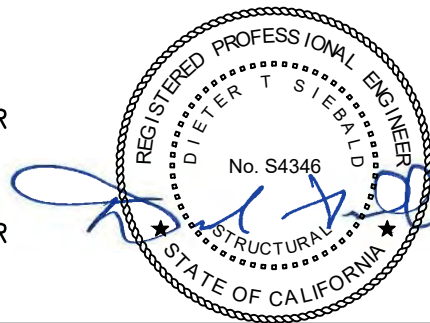
COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5* c503 PER PG 15
- 6* e801 PER PG 16
- 7* ISE neo PER PG 62
- 8 c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP

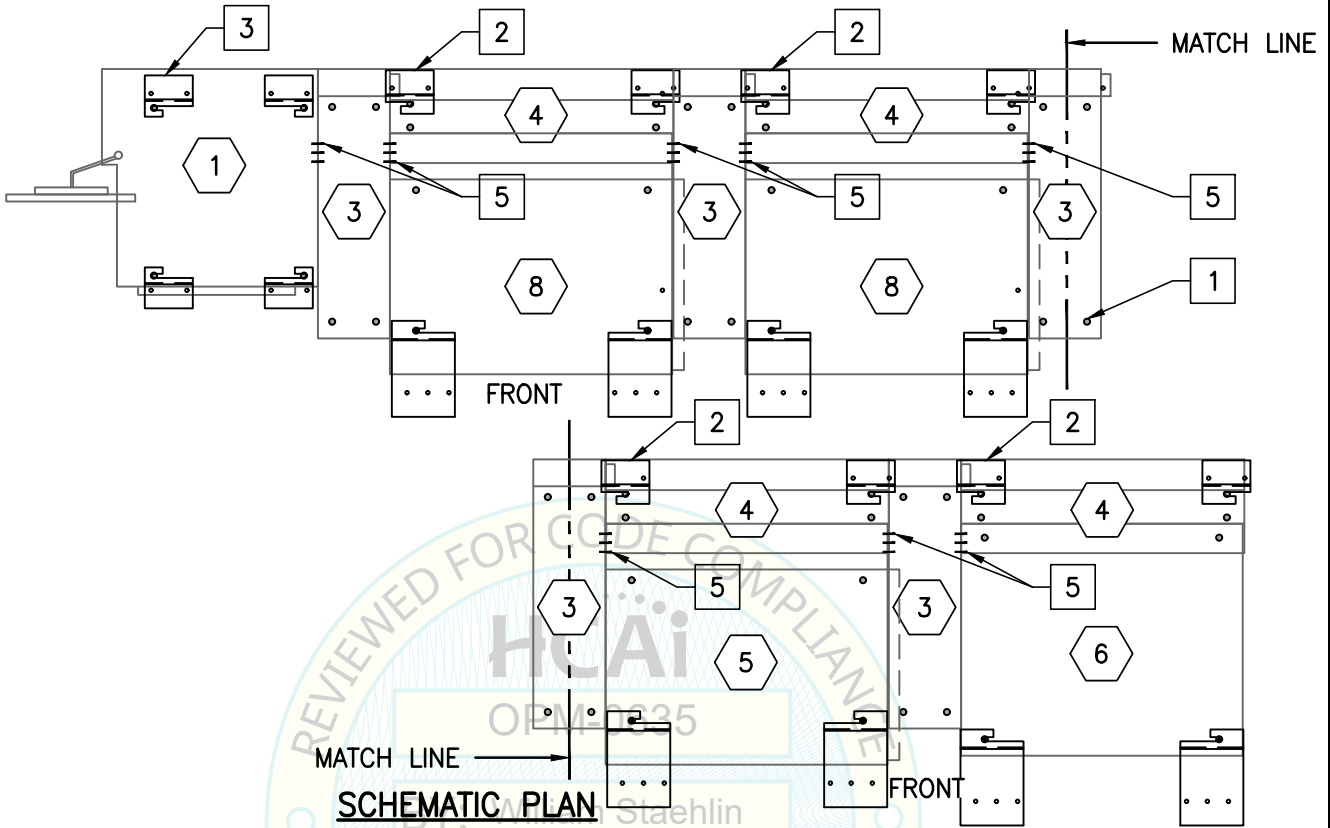


SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS
c703 + c703 + c503

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

Job No:	24047
Date:	02/13/2025
Page:	46 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



SCHMATIC PLAN

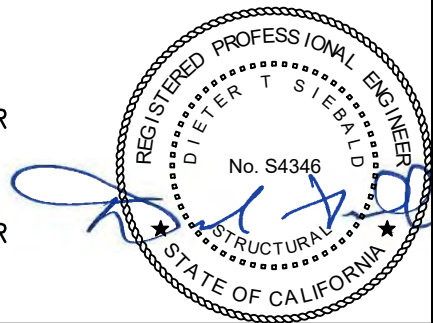
COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6 e801 PER PG 16
- 7* ISE neo PER PG 62
- 8 c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS

c703 + c703 + c503 + e801



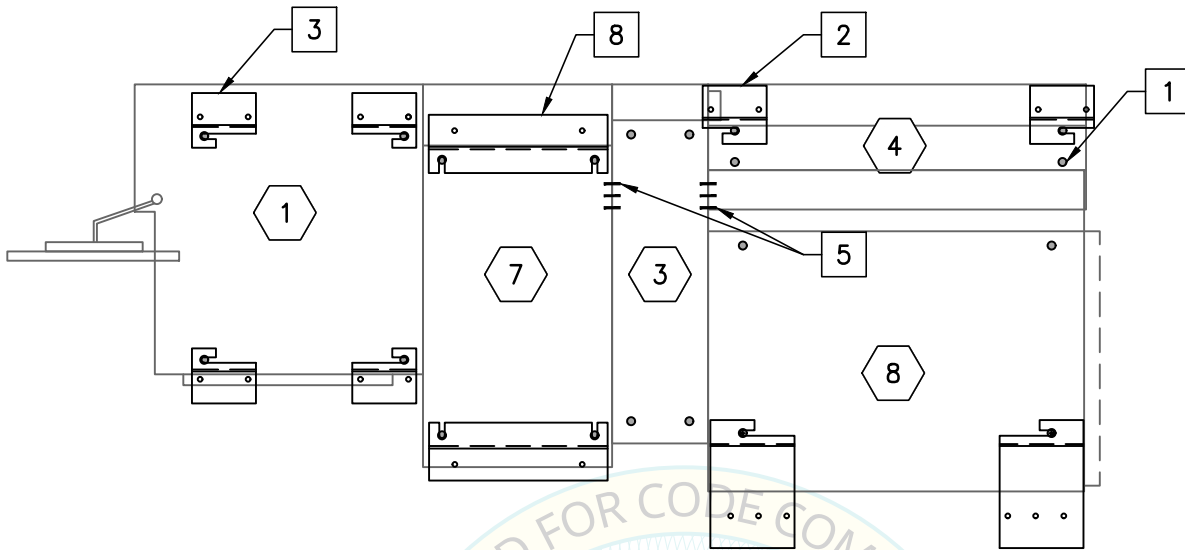
CYS STRUCTURAL ENGINEERS, INC.

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

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

Job No:	24047
Date:	02/13/2025
Page:	47 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6

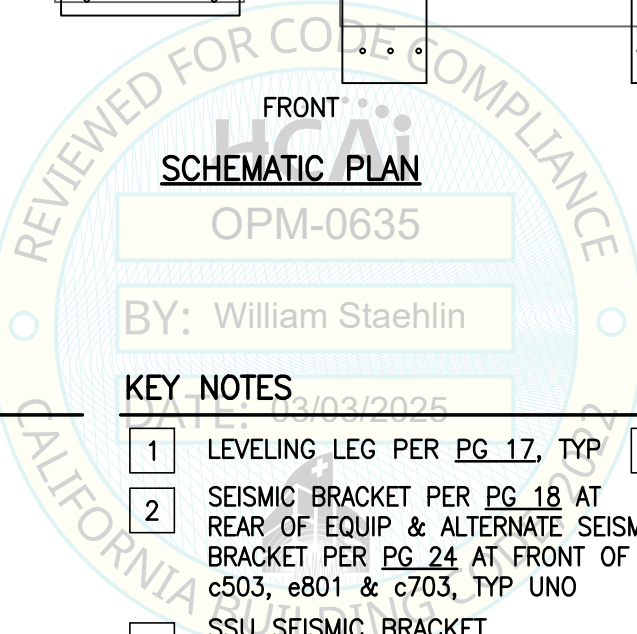


FRONT

SCHEMATIC PLAN

OPM-0635

BY: William Staehlin



COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5* c503 PER PG 15
- 6* e801 PER PG 16
- 7 ISE neo PER PG 62
- 8 c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP

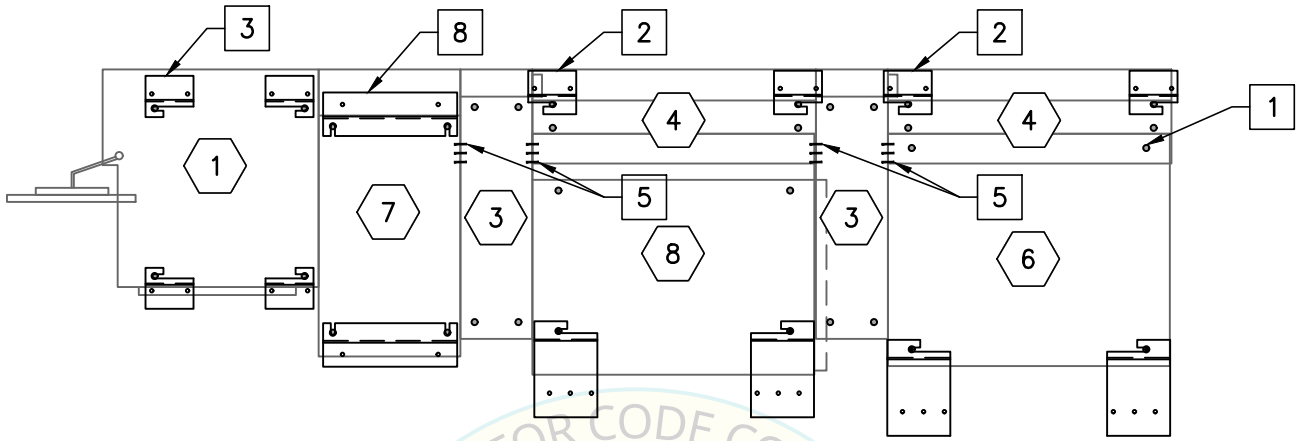


SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS
ISE neo + c703

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

Job No:	24047
Date:	02/13/2025
Page:	48 of 64

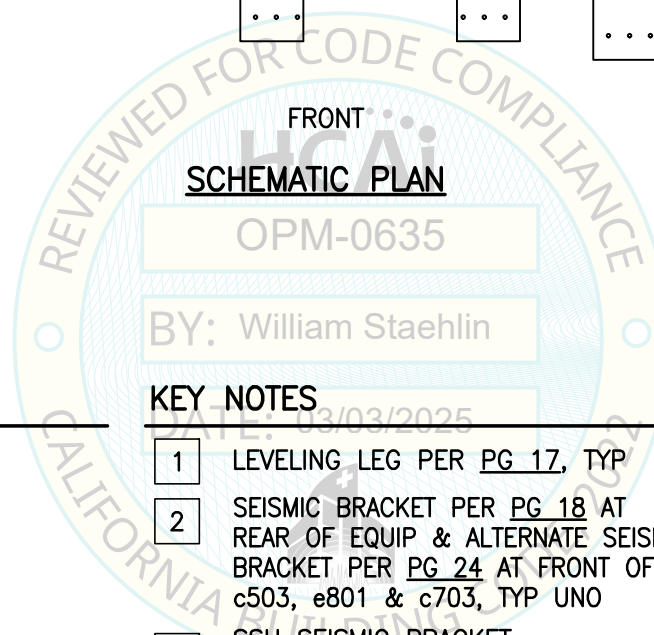
c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



FRONT
SCHEMATIC PLAN

OPM-0635

BY: William Staehlin



COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5* c503 PER PG 15
- 6 e801 PER PG 16
- 7 ISE neo PER PG 62
- 8 c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS)
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP

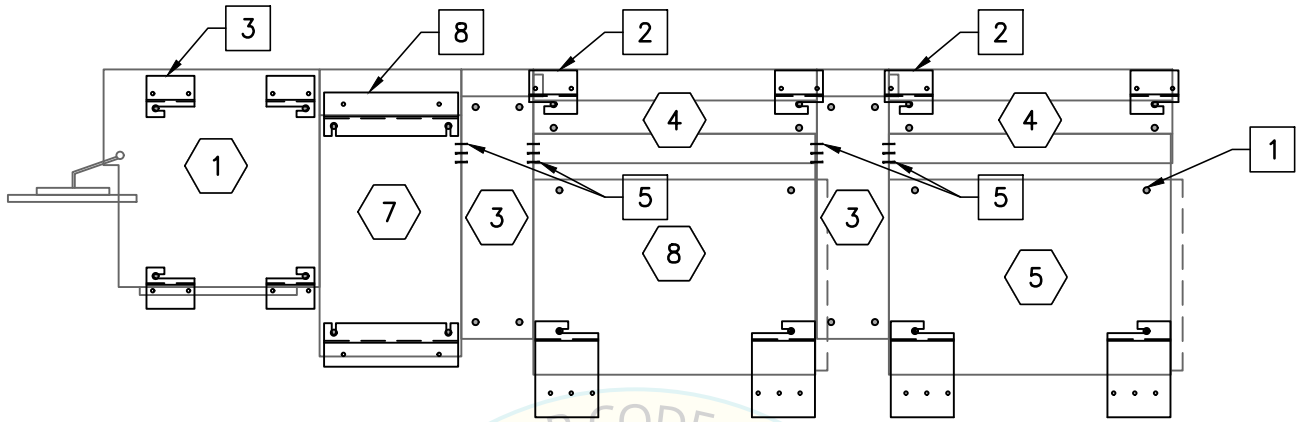


SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS
ISE neo + c703 + e801

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

Job No:	24047
Date:	02/13/2025
Page:	49 of 64

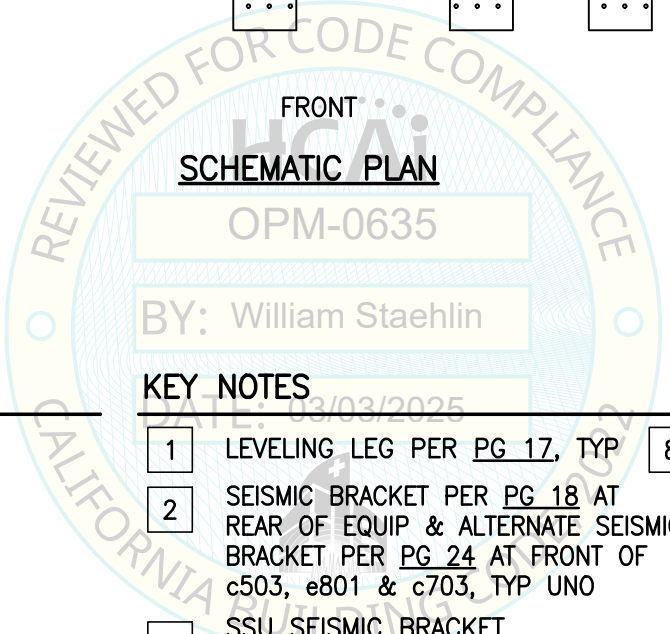
c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom Dimscale:12 LTScale:6



FRONT
SCHEMATIC PLAN

OPM-0635

BY: William Staehlin



COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6* e801 PER PG 16
- 7 ISE neo PER PG 62
- 8 c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



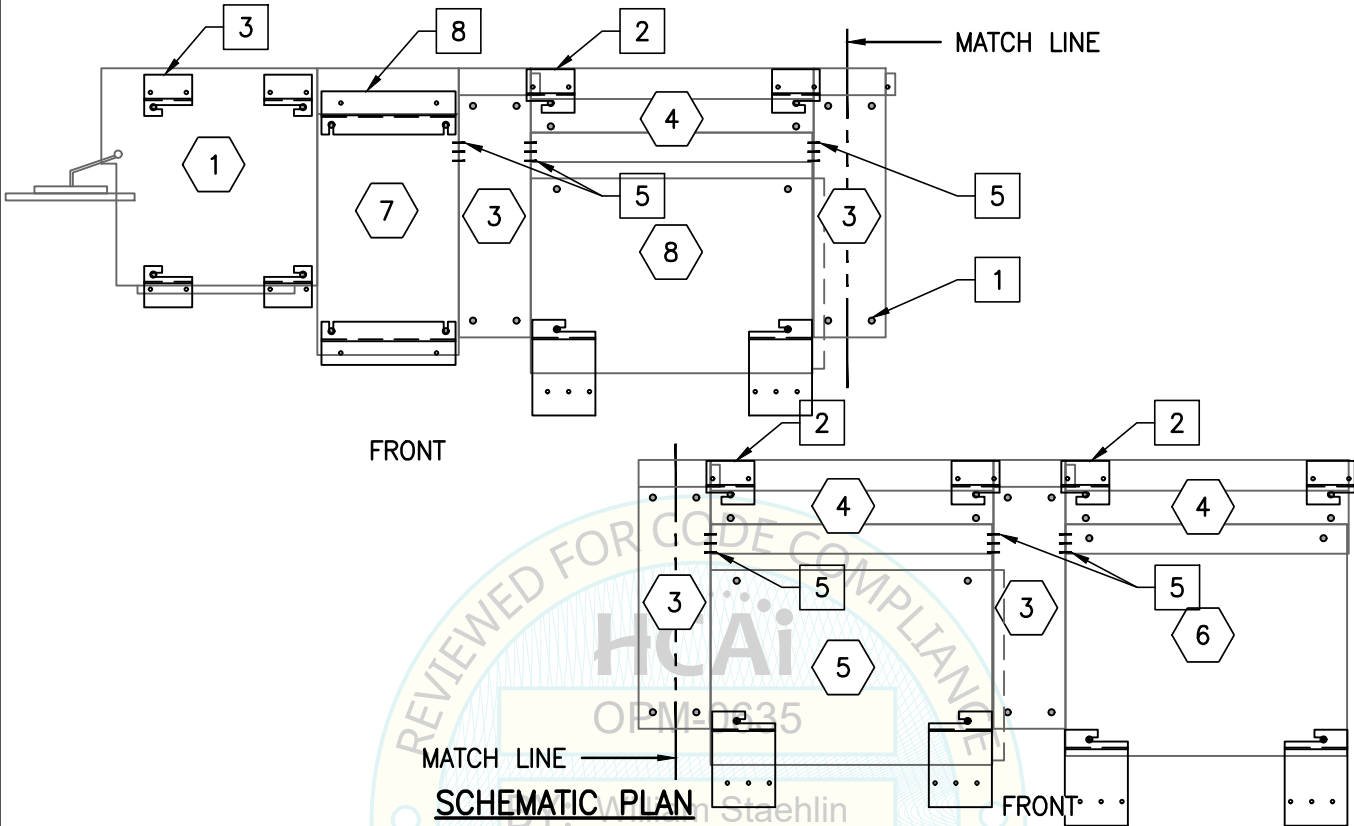
SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS
ISE neo + c703 + c503

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833

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

Job No:	24047
Date:	02/13/2025
Page:	50 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:13am Login:comachom DimScale:12 LTScale:6



SCHMATIC PLAN

COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6 e801 PER PG 16
- 7 ISE neo PER PG 62
- 8 c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS

ISE neo + c703 + c503+e801



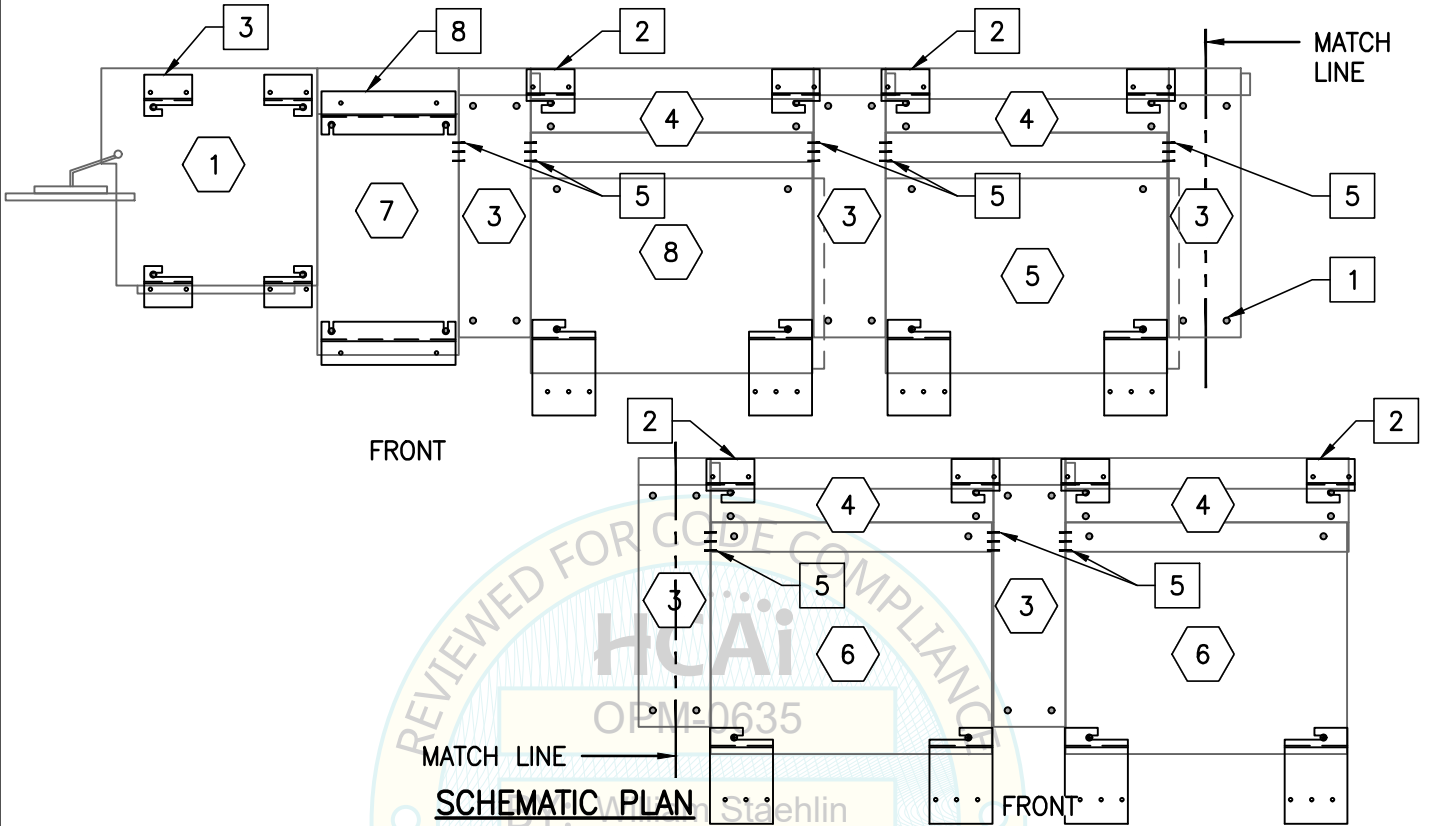
CYS STRUCTURAL ENGINEERS, INC.

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

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

Job No:	24047
Date:	02/13/2025
Page:	51 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\51_24047.dwg Time:Feb13,2025-10:13am Login:comachom Dimscale:12 LTScale:6



COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6 e801 PER PG 16
- 7 ISE neo PER PG 62
- 8 c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS)
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS

ISE neo + c703 + c503 + e801+e801



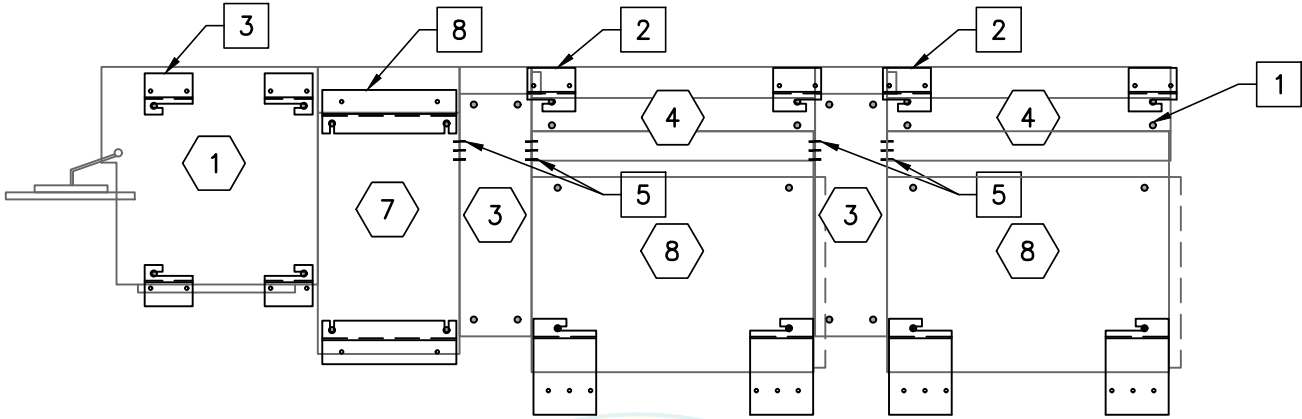
CYS STRUCTURAL ENGINEERS, INC.

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

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

Job No:	24047
Date:	02/13/2025
Page:	52 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:14am Login:comachom Dimscale:12 LTScale:6

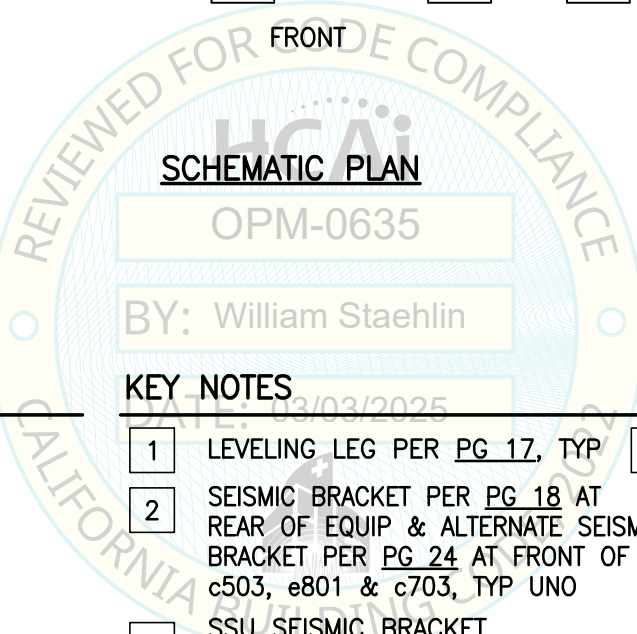


FRONT

SCHEMATIC PLAN

OPM-0635

BY: William Staehlin



COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5* c503 PER PG 15
- 6* e801 PER PG 16
- 7 ISE neo PER PG 62
- 8 c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS

ISE neo + c703 + c703



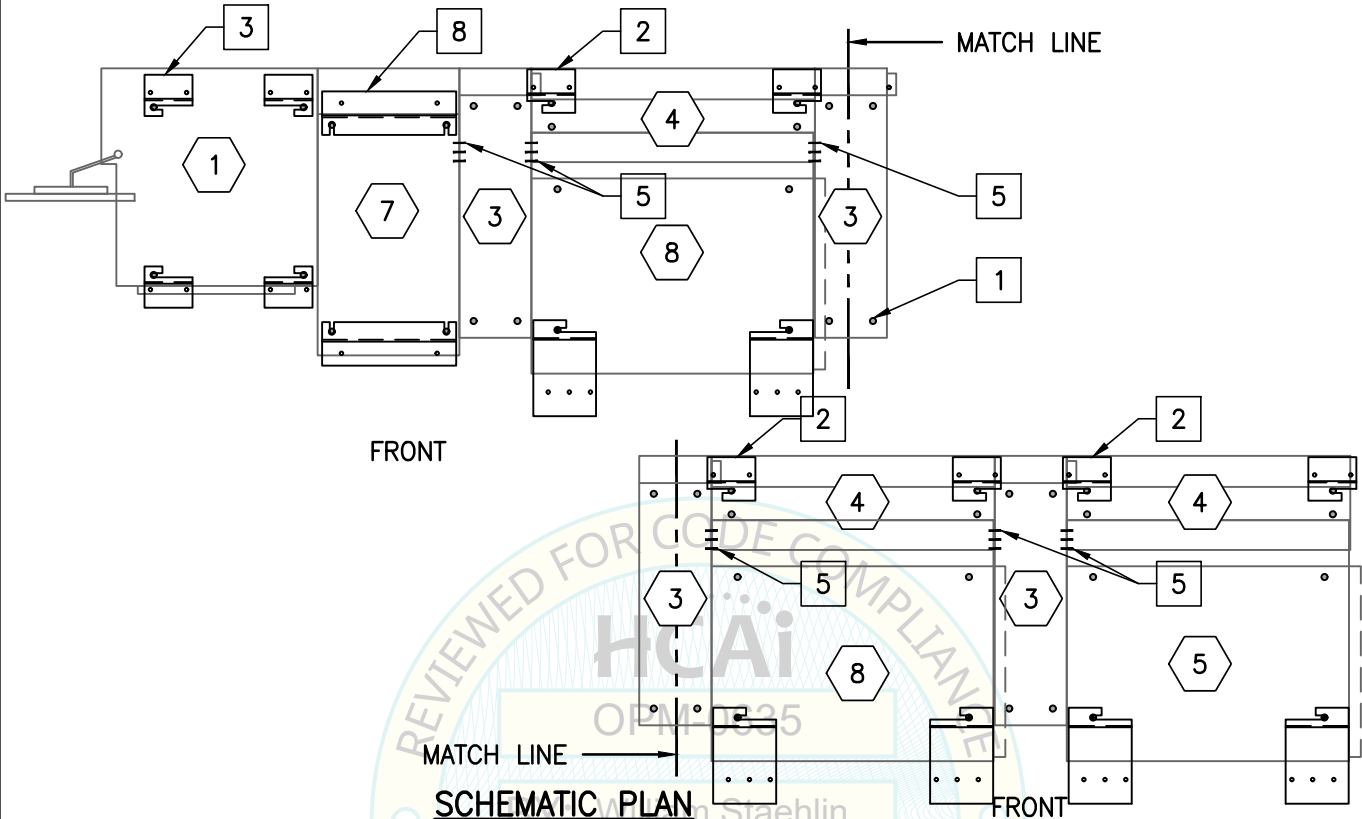
CYS STRUCTURAL ENGINEERS, INC.

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

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

Job No:	24047
Date:	02/13/2025
Page:	53 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:14am Login:comachom Dimscale:12 LTScale:6



SCHMATIC PLAN

COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6* e801 PER PG 16
- 7 ISE neo PER PG 62
- 8 c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS)
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS

ISE neo + c703 + c703 + c503



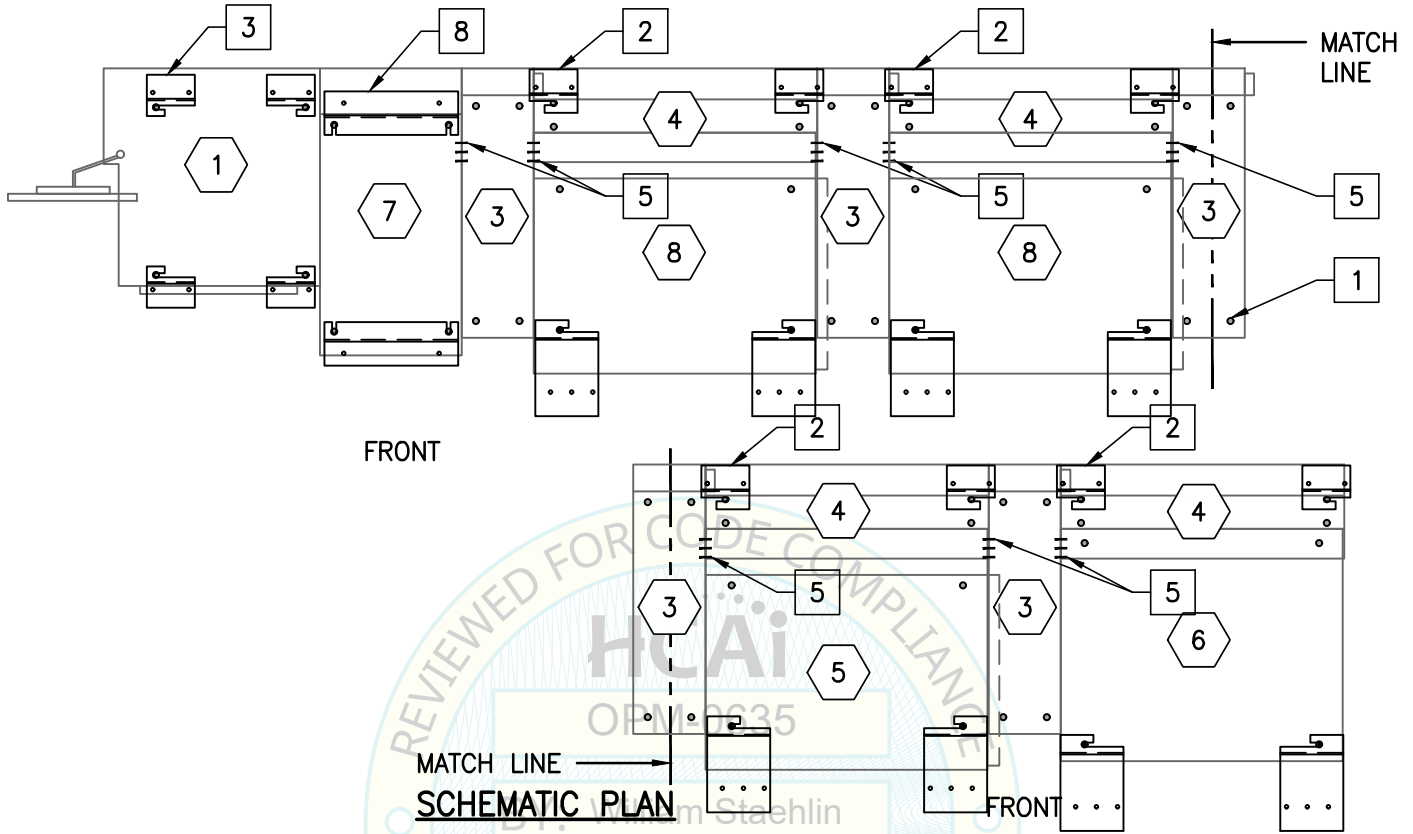
CYS STRUCTURAL ENGINEERS, INC.

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

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

Job No:	24047
Date:	02/13/2025
Page:	54 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\51_24047.dwg Time:Feb13,2025-10:14am Login:comachom DimScale:12 LTScale:6



SCHMATIC PLAN

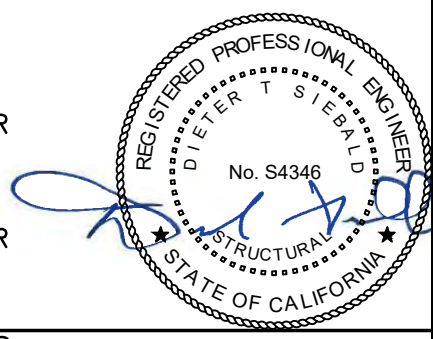
COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5 c503 PER PG 15
- 6 e801 PER PG 16
- 7 ISE neo PER PG 62
- 8 c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS)
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS

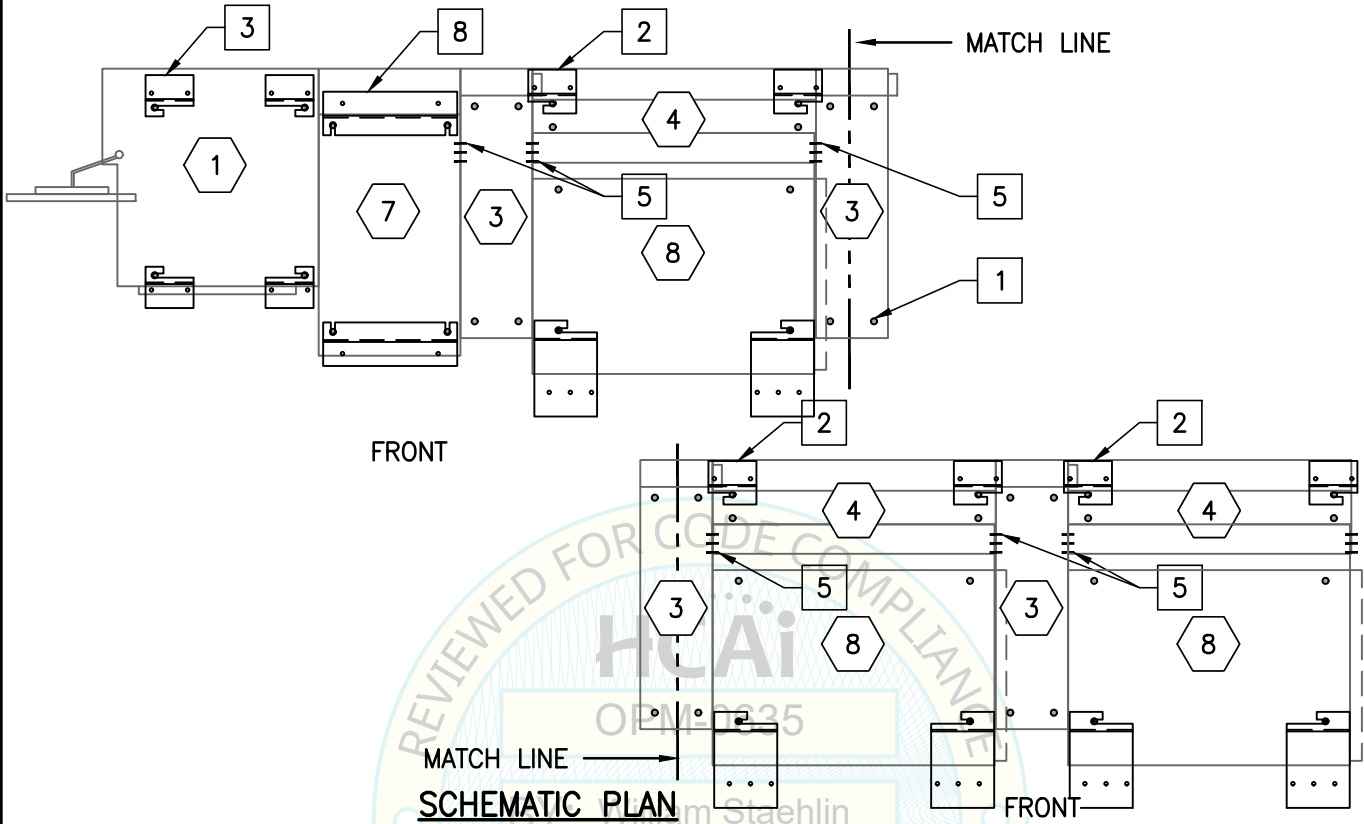
ISE neo + c703 + c703 + c503 + e801



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

Job No:	24047
Date:	02/13/2025
Page:	55 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\51_24047.dwg Time:Feb13,2025-10:14am Login:comachom Dimscale:12 LTScale:6



SCHEMATIC PLAN

COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5* c503 PER PG 15
- 6* e801 PER PG 16
- 7 ISE neo PER PG 62
- 8 c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP

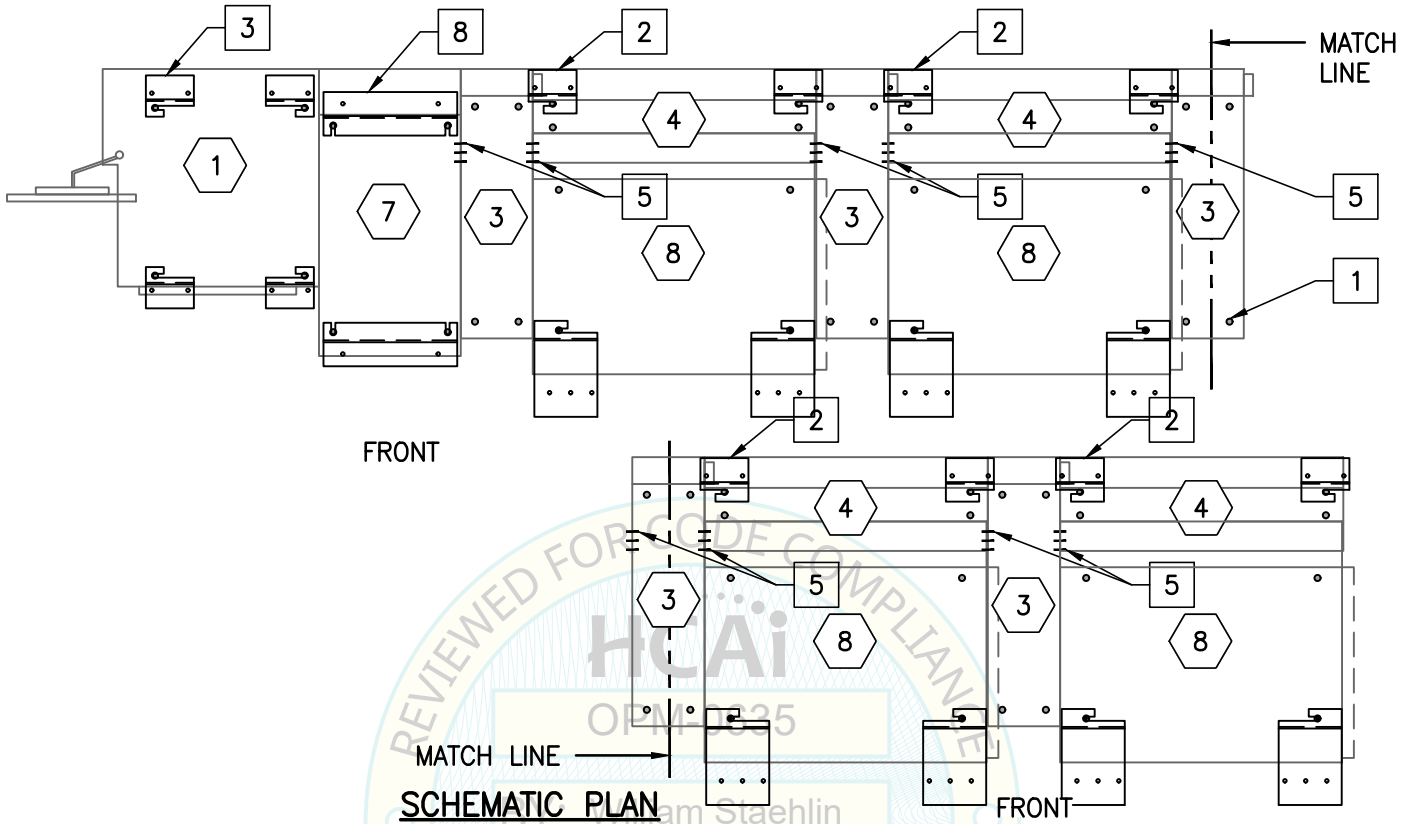


SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS
ISE neo + c703 + c703 + c703

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

Job No:	24047
Date:	02/13/2025
Page:	56 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:14am Login:comachom Dimscale:12 LTScale:6



SCHMATIC PLAN

COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5* c503 PER PG 15
- 6* e801 PER PG 16
- 7 ISE neo PER PG 62
- 8 c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS)
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS

ISE neo + c703 + c703 + c703 + c703



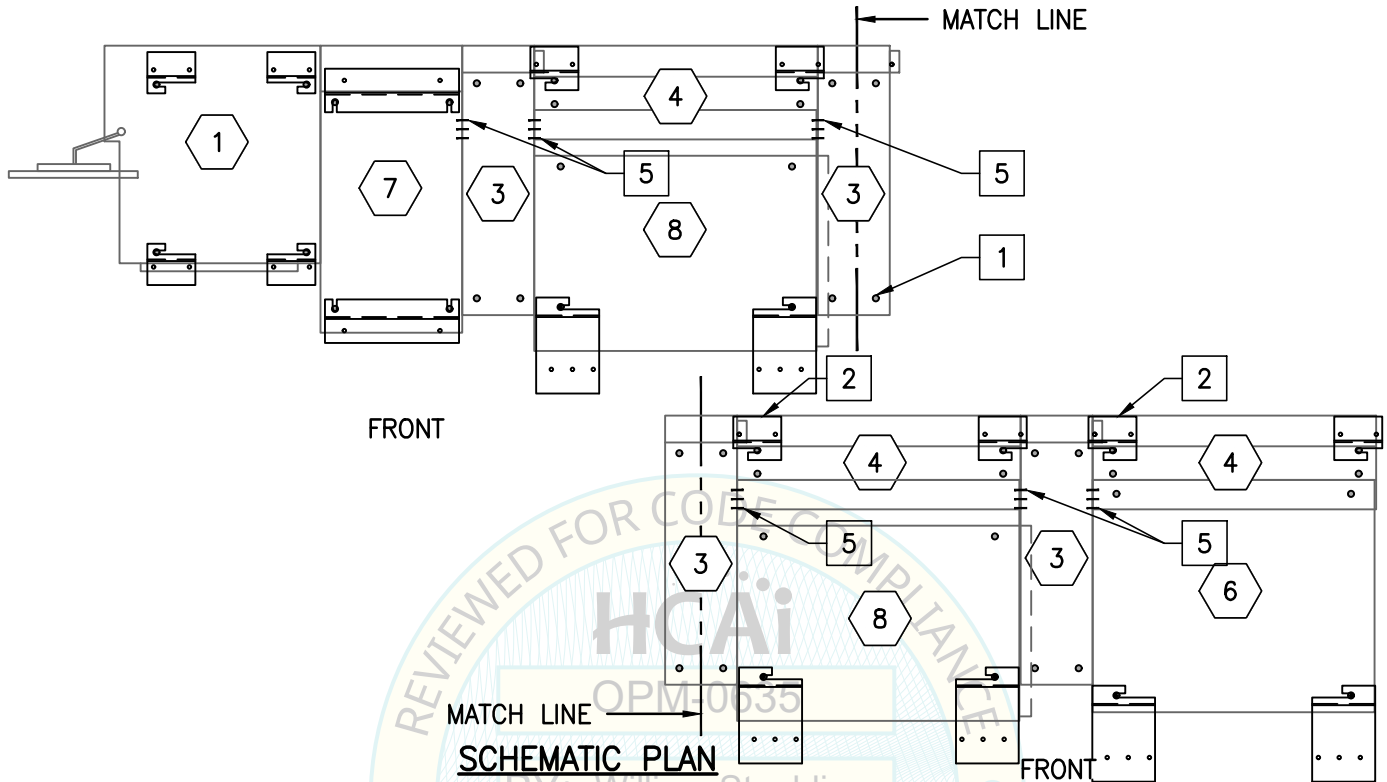
CYS STRUCTURAL ENGINEERS, INC.

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

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

Job No:	24047
Date:	02/13/2025
Page:	57 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:14am Login:comachom Dimscale:12 LTScale:6



SCHEMATIC PLAN

COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5* c503 PER PG 15
- 6 e801 PER PG 16
- 7 ISE neo PER PG 62
- 8 c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS

ISE neo + c703 + c703 + e801



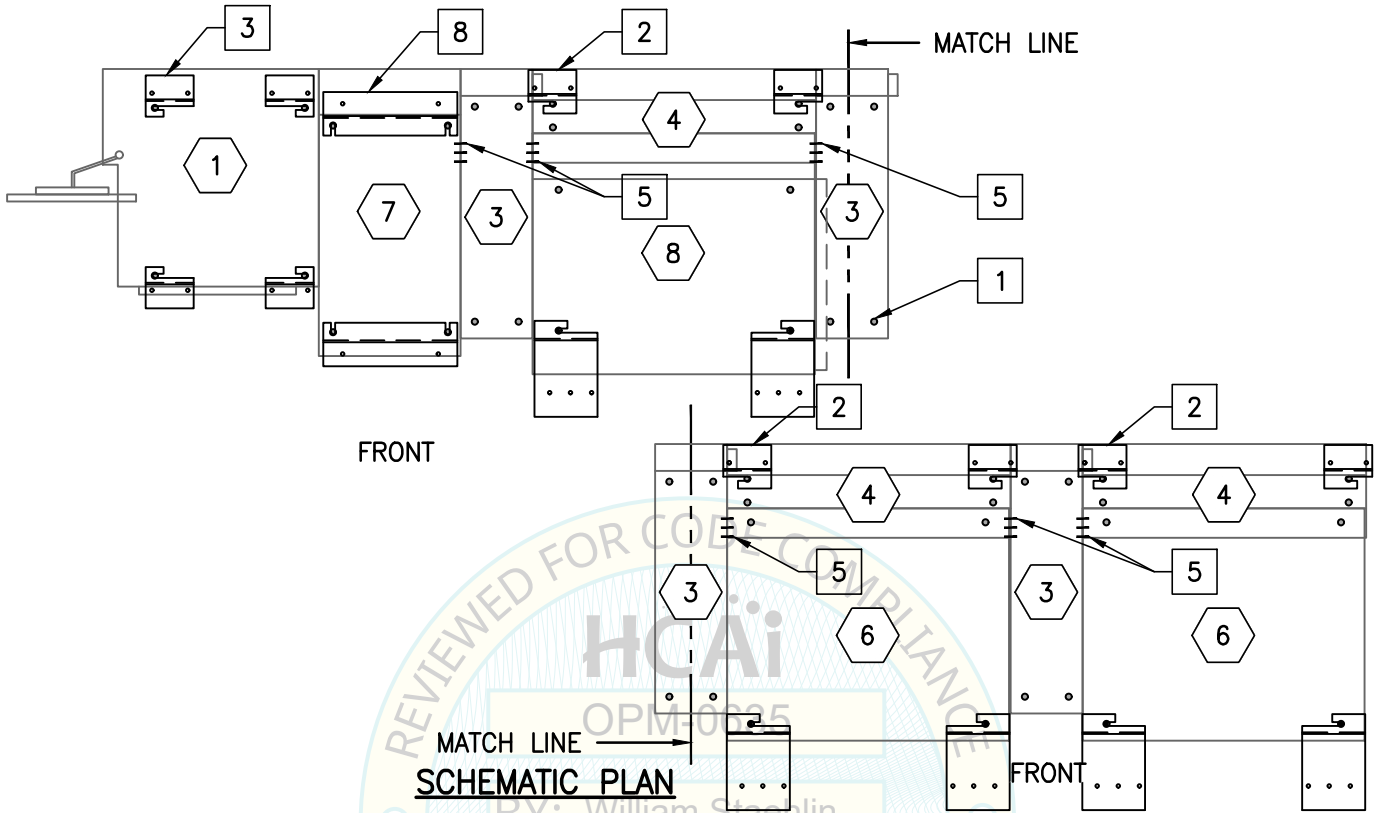
CYS STRUCTURAL ENGINEERS, INC.

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

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

Job No:	24047
Date:	02/13/2025
Page:	58 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:14am Login:comachom Dimscale:12 LTScale:6



SCHMATIC PLAN

COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5* c503 PER PG 15
- 6 e801 PER PG 16
- 7 ISE neo PER PG 62
- 8 c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

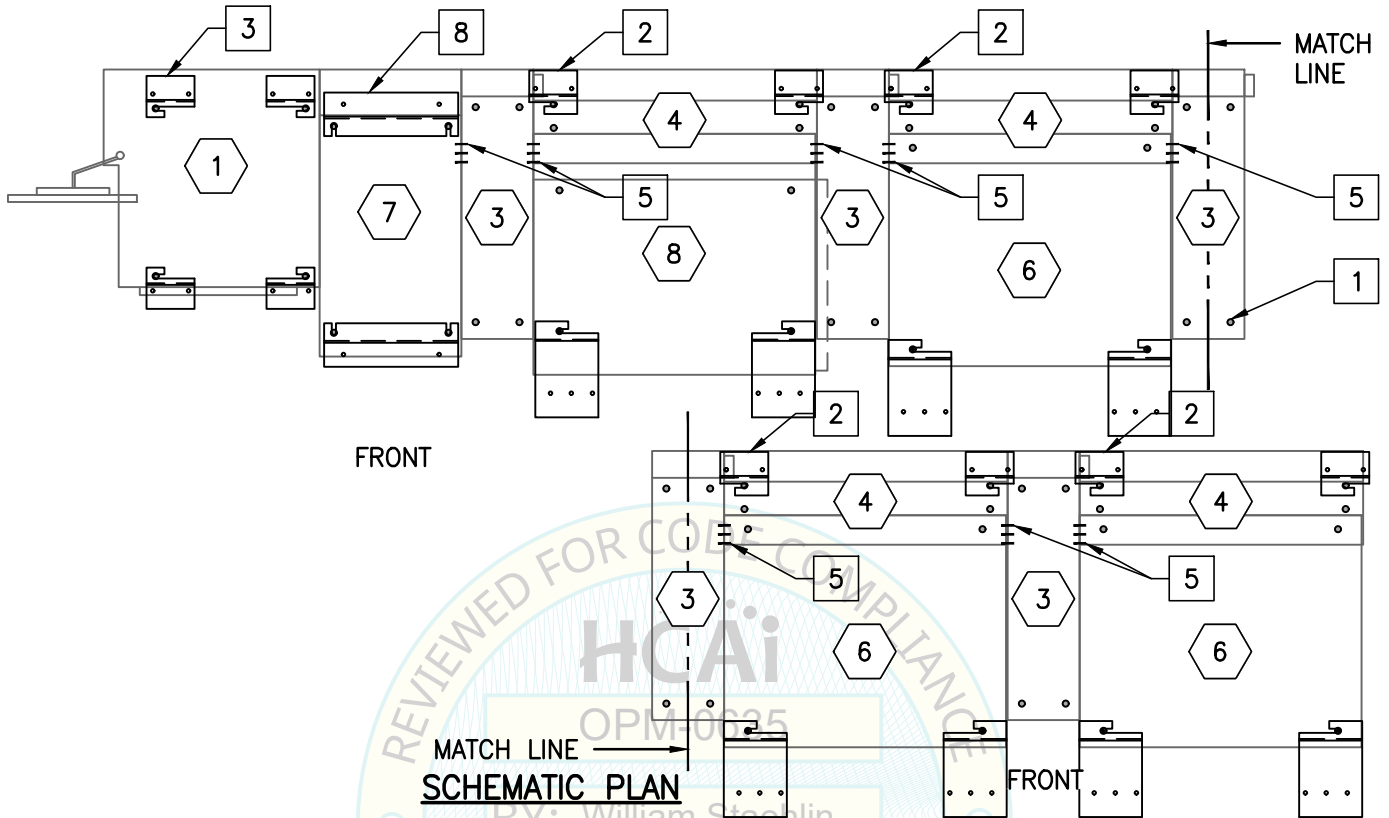
- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS)
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS
ISE neo + c703 + e801 + e801

<p>CYS STRUCTURAL ENGINEERS, INC. 2710 GATEWAY OAKS DRIVE, SUITE 190N SACRAMENTO, CA 95833</p>	<p>Job No: 24047</p>
	<p>Date: 02/13/2025</p>
	<p>Page: 59 of 64</p>

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:14am Login:comachom DimScale:12 LTScale:6



MATCH LINE
SCHMATIC PLAN
FRONT

COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5* c503 PER PG 15
- 6 e801 PER PG 16
- 7 ISE neo PER PG 62
- 8 c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS)
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS

ISE neo + c703 + e801 + e801 + e801



CYS STRUCTURAL ENGINEERS, INC.

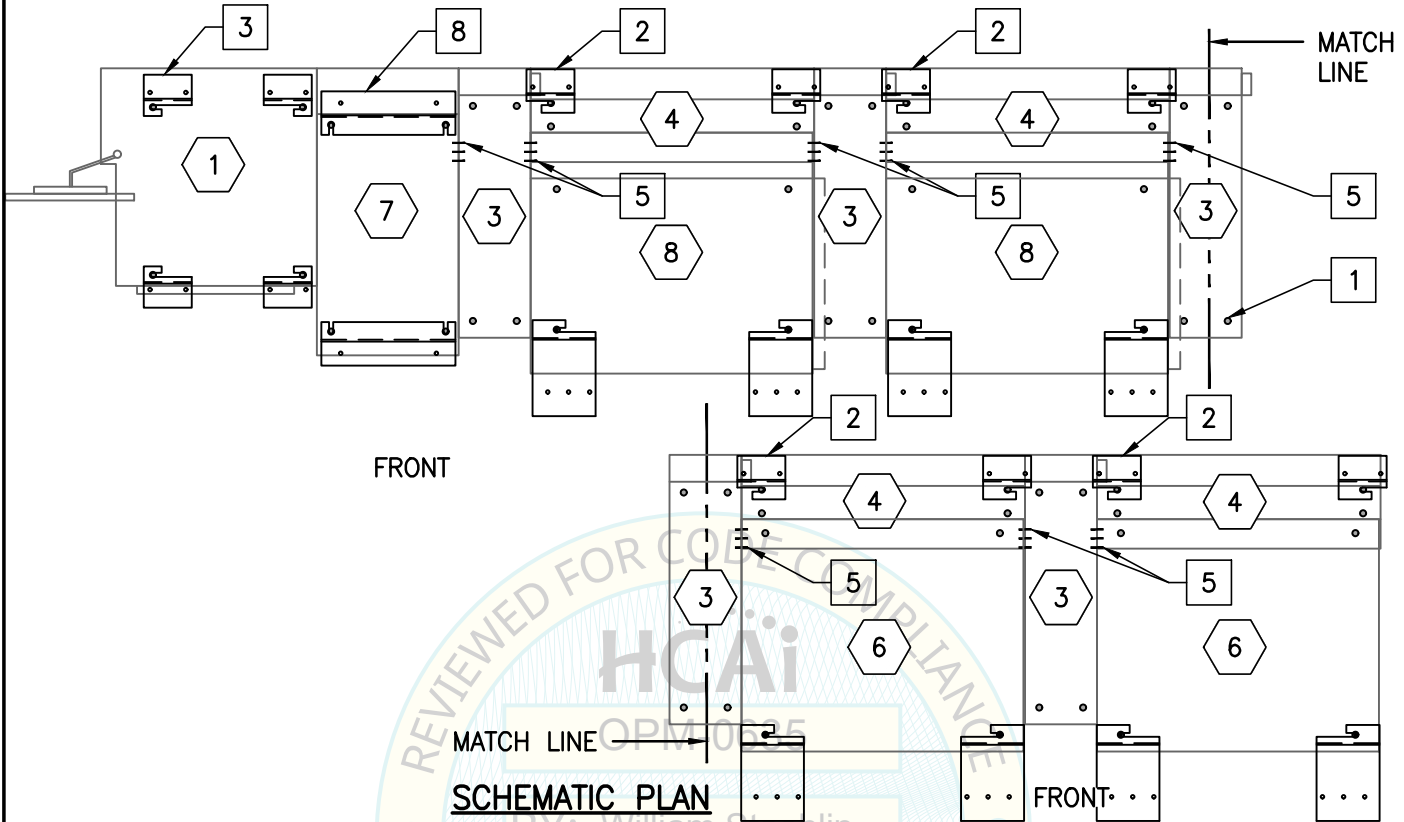
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833

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

Job No:	24047
Date:	02/13/2025
Page:	60 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:14am Login:comachom Dimscale:12 LTScale:6

ROCHE DIAGNOSTICS CORPORATION
cobas® PRO INTEGRATED SOLUTIONS SYSTEM



SCHMATIC PLAN

COMPONENT:

- 1 SSU PER PG 11
- 2* ISE PER PG 14
- 3 SB PER PG 12
- 4 SBL PER PG 13
- 5* c503 PER PG 15
- 6 e801 PER PG 16
- 7 ISE neo PER PG 62
- 8 c703 PER PG 63

*NOT PART OF THIS CONFIGURATION

KEY NOTES

- 1 LEVELING LEG PER PG 17, TYP
- 2 SEISMIC BRACKET PER PG 18 AT REAR OF EQUIP & ALTERNATE SEISMIC BRACKET PER PG 24 AT FRONT OF c503, e801 & c703, TYP UNO
- 3 SSU SEISMIC BRACKET PER PG 19, TYP
- 4 ISE SEISMIC BRACKET PER PG 20, TYP
- 5 M8x16mm SUS304 BOLT BY MFR (REFER TO UNIT "PLAN & ELEVATIONS" FOR LOCATIONS)
- 6 M8x20mm SUS304 BOLT BY MFR
- 7 M4x6mm CS SCREW BY MFR
- 8 ISE neo SEISMIC BRACKET PER PG 64, TYP



SHEET TITLE: ADDITIONAL SYSTEM OVERVIEW & CONFIGURATIONS

ISE neo + c703 + c703 + e801 + e801



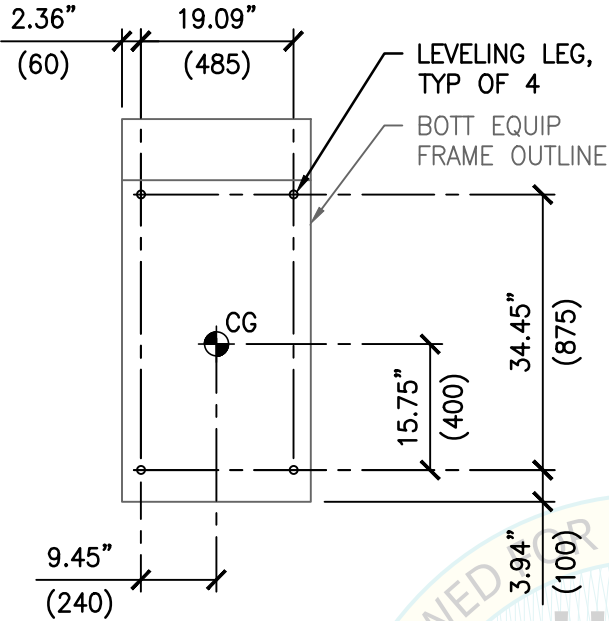
CYS STRUCTURAL ENGINEERS, INC.

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

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

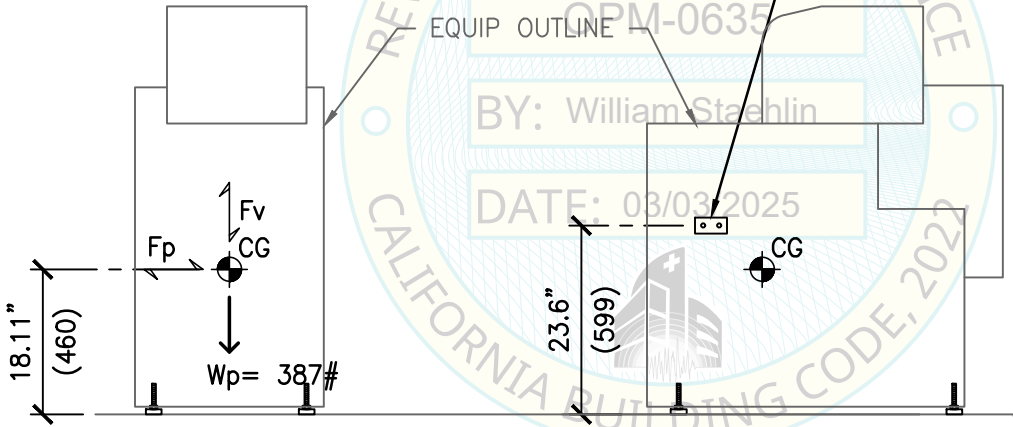
Job No:	24047
Date:	02/13/2025
Page:	61 of 64

c:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:14am Login:comachom DimScale:12 LTScale:6



PLAN VIEW

0.09" THK JFE-CC-EZ-JN
20/20 BRACKET,
Fy=18 KSI,
MIN W/ 2- M8 BOLTS.
ES OF EQUIP



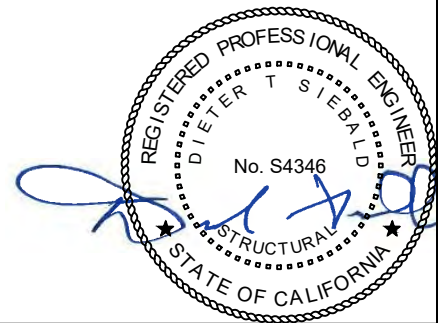
FRONT ELEV

RIGHT ELEV

SUPPORTING FLR

NOTES:

1. FOR SEISMIC BRACKET LOCATIONS & ORIENTATION SEE SYSTEM CONFIGURATION PLANS.
2. WHEELS NOT SHOWN FOR CLARITY.
3. FRAME MATERIAL: SUS430 & JFE-CC-EZ-JN 20/20.
4. REFER TO PG 23 FOR FRAME MATERIAL PROPERTIES.



SHEET TITLE: ADDITIONAL COMPONENT PLANS & ELEVATIONS

ISE neo

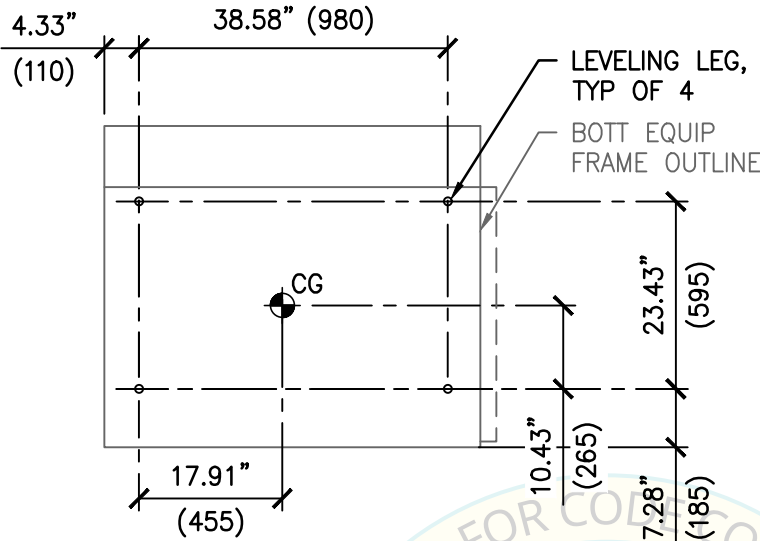


CYS STRUCTURAL ENGINEERS, INC.

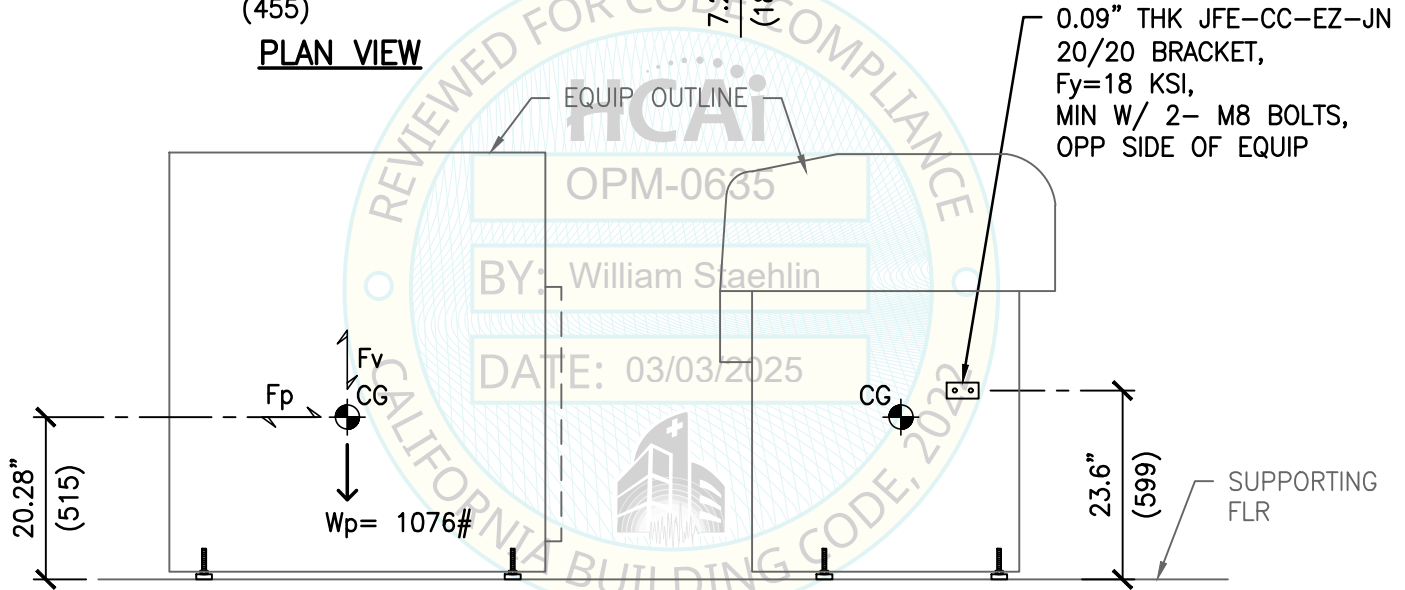
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833

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

Job No:	24047
Date:	02/13/2025
Page:	62 of 64



PLAN VIEW

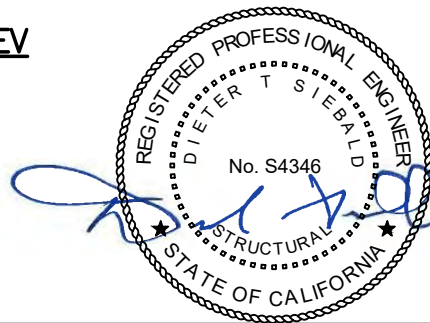


FRONT ELEV

RIGHT ELEV

NOTES:

1. FOR SEISMIC BRACKET LOCATIONS & ORIENTATION SEE SYSTEM CONFIGURATION PLANS.
2. WHEELS NOT SHOWN FOR CLARITY.
3. FRAME MATERIAL: SUS430 & JFE-CC-EZ-JN 20/20.
4. REFER TO PG 23 FOR FRAME MATERIAL PROPERTIES.



SHEET TITLE: ADDITIONAL COMPONENT PLANS & ELEVATIONS
c703

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190N
SACRAMENTO, CA 95833

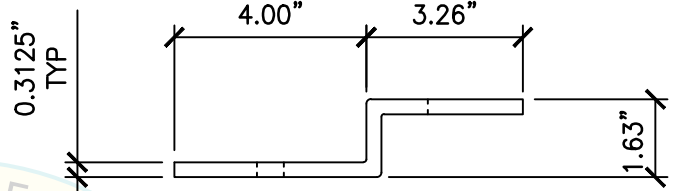
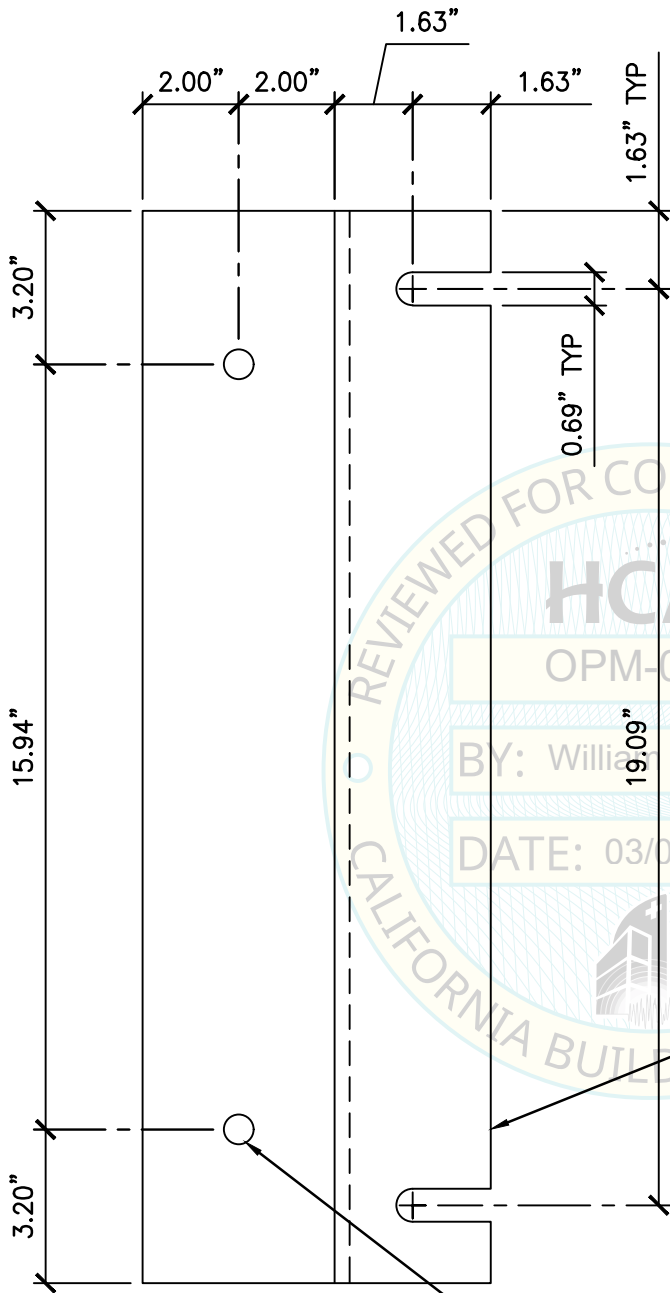
TEL (916) 920-2020
www.cyseng.com

Job No:	24047
Date:	02/13/2025
Page:	63 of 64

C:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:14am Login:comachom DimScale:12 LTScale:6



NOTES:
 1. FOR CASE 1 & CASE 2 ATTACHMENT TO FLR, SEE PGS 21 & 23.
 2. BRACKET & SLOT DIRECTIONS SHALL BE FOLLOWED AS SHOWN ON SYSTEM CONFIGURATION PLANS.

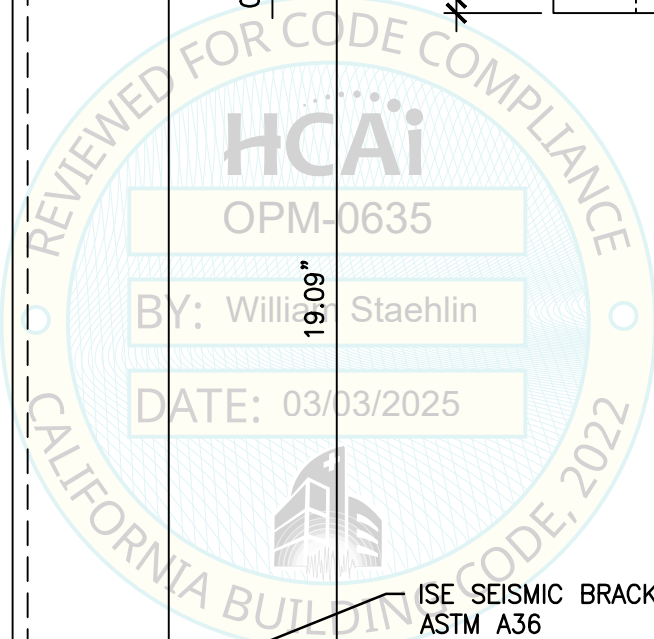


ELEV

PLAN

2- 0.625"Ø HOLES FOR SEISMIC ATTACHMENT TO SUPPORTING FLR

ISE SEISMIC BRACKET
ASTM A36



SHEET TITLE: ISE neo SEISMIC BRACKET DETAIL

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

Job No:	24047
Date:	02/13/2025
Page:	64 of 64

C:\Users\comachom\AppData\Local\Temp\AcPublish_40988\S1_24047.dwg Time:Feb13,2025-10:14am Login:comachom Dimscale:12 LTScale:6