

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

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

OFFICE USE ONLY

APPLICATION #: OPM-0537-19

OSHPD Preapproval	of Manufacturer's	Certification	(OPM)

Type: X New Renewal/Update

Manufacturer Information

Manufacturer: Sysmex America, Inc

Manufacturer's Technical Representative: Nozomi Honda

Mailing Address: 577 Aptakisic Road, Lincolnshire, IL 60669

Telephone:	(224) 543-9617		l
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Email: HondaN@sysmex.com

Product Information

Product Name: UN Series System

Product Type: Automated Urinalysis System

Product Model Number: Components: UC-3500, UF-5000, UD-10, ST-10, ST-11, ST-12; Supports: WG-13, WG-44, WG-45

OPM-0537-19

General Description: Fully Automated Urine Analyzers

Applicant Information

Applicant Compa	ny Name: Sysmex America, Inc	CODY
Contact Person:	Nozomi Honda	BUILDING
Mailing Address:	577 Aptakisic Road, Lincolnshire	e, IL 60669
Telephone: (224) 543-9617	Email: HondaN@sysmex.com

Title:

"Access to Safe. Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"

STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY

OSHP



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Registered Design Professonal Preparing Engineering Recommendations					
Company Name: CYS STRUCTURAL ENGINEER	S, 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				

OSHPD Special Seismic Certification Preapproval (OSP)
Special Seismic Certification is preapproved under OSP OSP Number:
R CODE
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, 2019 (CBSC 2019) 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 2019 may be used when approved by OSHPD prior to testing.
X Analysis
Experience Data
Combination of Testing, Analysis, and/or Experience Data (Please Specify):
COD [®]
OSHPD Approval
Date: 01/07/2021
Name: Haeseong Lim Title: Senior Structural Engineer
Condition of Approval (if applicable):





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GENERAL NOTES:

- 1. THIS OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE CBC 2019. THE DEMAND (DESIGN FORCES) FOR USE W/ THIS OPM SHALL BE BASED ON THE CBC 2019.
- 2. IT IS THE RESPONSIBILITY OF THE SEOR FOR A SITE SPECIFIC PROJECT TO VERIFY:
 - 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.
 - THAT THE FLR ANCHORS ARE LOCATED AT AN ADEQUATE DISTANCE FROM ANY SLAB EDGES OR OPGS. Β. THAT THE FLR ANCHORS ARE LOCATED AT AN ADEQUATE DISTANCE FROM ANY NEW OR EXISTING C. 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.
 - THAT THE INSTALLATION IS IN CONFORMANCE W/ THE CBC 2019 & W/ THE DETAILS SHOWN IN THIS D. PRE-APPROVAL.
 - Ε. THAT THE ACTUAL EQUIP'S WT, CENTER OF GRAVITY (CG) LOCATION, ANCHOR LOCATIONS, ANCHOR DETAILS, & THE MATERIAL & GAGE OF THE EQUIP WHERE ATTACHMENTS ARE MADE, AGREE W/ THE INFO SHOWN ON THE PRE-APPROVAL DOCUMENTS.
 - THAT THE CONC SLAB TO WHICH THE EQUIP IS ANCHORED SHALL MEET THE REQUIREMENTS OF THE F. APPLICABLE ICC REPORT & THIS OPM.
- 3. EXPANSION ANCHORS INSTALLED IN NWC OR SLWC SHALL BE CARBON STEEL HILTI KB-TZ EXPANSION ANCHORS AS NOTED COMPLYING W/ ESR-1917 REISSUED JANUARY 2020.
 - INSTALLATION: INSTALL THE EXPANSION ANCHORS IN ACCORDANCE W/ THE REQUIREMENTS GIVEN IN A. THE ICC EVALUATION REPORT FOR THE SPECIFIC ANCHOR & THE PARAMETERS GIVEN IN THE EXPANSION ANCHOR TABLE ON PG 3.
 - JOB TESTING: FOR VERIFYING SATISFACTORY INSTALLATION WORKMANSHIP, PERFORM JOBSITE TESTING IN Β. 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 OSHPD. IF ANY ANCHOR FAILS THE TEST, TEST ALL ANCHORS. THE TEST SHALLS 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 2019 CBC 1910A.5 "TESTS FOR POST-INSTALLED ANCHORS IN CONCRETE". REPORT OF TEST RESULTS SHALL BE SUBMITTED TO OSHPD.
 - 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. PROFESS / ONAL
 - PROVIDE FOR FULL THRD ENGAGEMENT OF NUT & WASHER. F.
- 4. BOLTS THRU CONC ON MTL DECK:
 - 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 Α. THE TIGHTNESS REQ TO BRING THE CONNECTED PLIES INTO FIRM CONTACT.
 - B. THRU-BOLT HOLES SHALL BE $\frac{1}{16}$ " LARGER THAN BOLT SIZE (HOLE SIZE = BOLT SIZE + χ_6 ").
 - THRU-BOLTS IN CONC SHALL RÉCEIVE SPECIAL INSPECTION & TESTING IN C. 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.		Job No:	18053
$\langle \rangle \rangle$	2495 NATOMAS PARK DRIVE, SUITE 650	TEL	(916) 920-2020	Date:	01-06-2021
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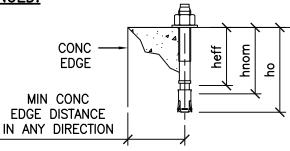
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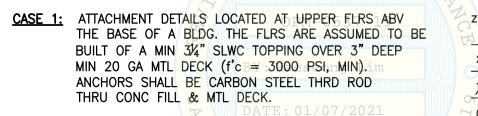




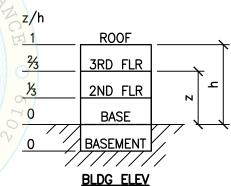
EXPANSION ANCHOR TABLE

CONDITION OF ANCHORAGE	ANCHOR DIA & TYPE (INCH)	INSTALLATION EMBED (INCH) hnom	EFFECTIVE EMBED (INCH) hef	HOLE DEPTH (INCH) ho	MIN CONC THK (INCH) h	MIN CONC EDGE DISTANCE (INCH)	MIN ANCHOR SPCG (INCH)	TEST TORQUE (FT-LBS)
CASE 1 STRUT PL'S	¾ KB−TZ	1 ¹³ ⁄16	11/2	R 201	31/4	6	SEE <u>PG 28</u>	25
CASE 2, 3	⅓ KB−TZ	2 3/ 8	x,D2	25⁄8	31/4, 4 M	8	3	40

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



- CASE 2: ATTACHMENT DETAILS LOCATED AT UPPER FLRS ABV THE BASE OF A BLDG, THE FLRS ARE ASSUMED TO BE BUILT OF A MIN 3¼" SLWC TOPPING OVER 3" DEEP MIN 20 GA MTL DECK (f'c = 3000 PSI, MIN). ANCHORS SHALL BE CARBON STEEL & INTO CONC FILL.
- **<u>CASE 3:</u>** 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 CARBON STEEL.







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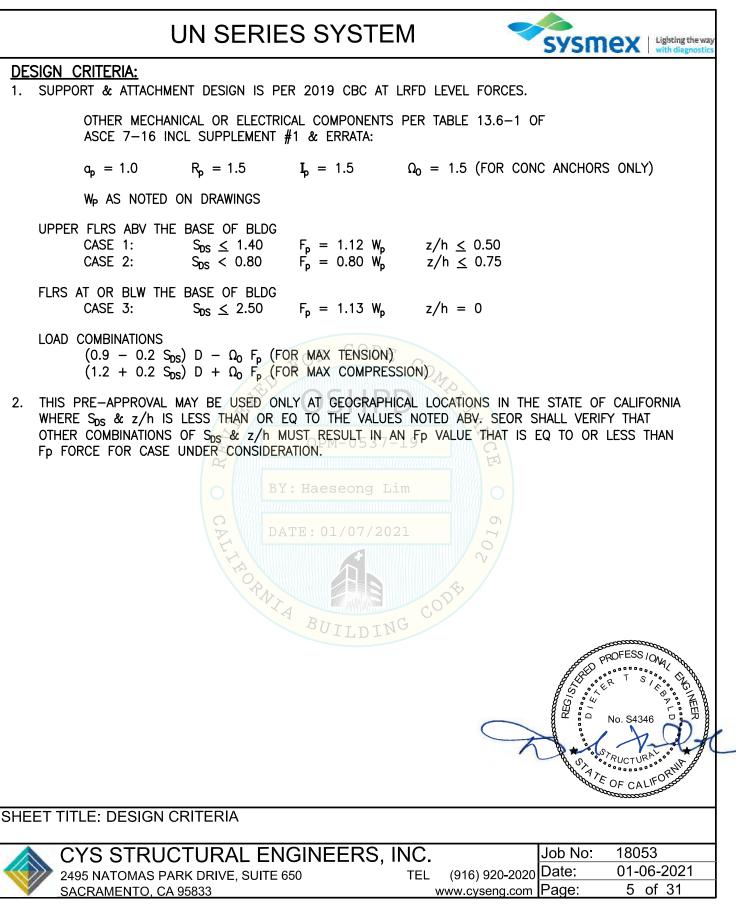
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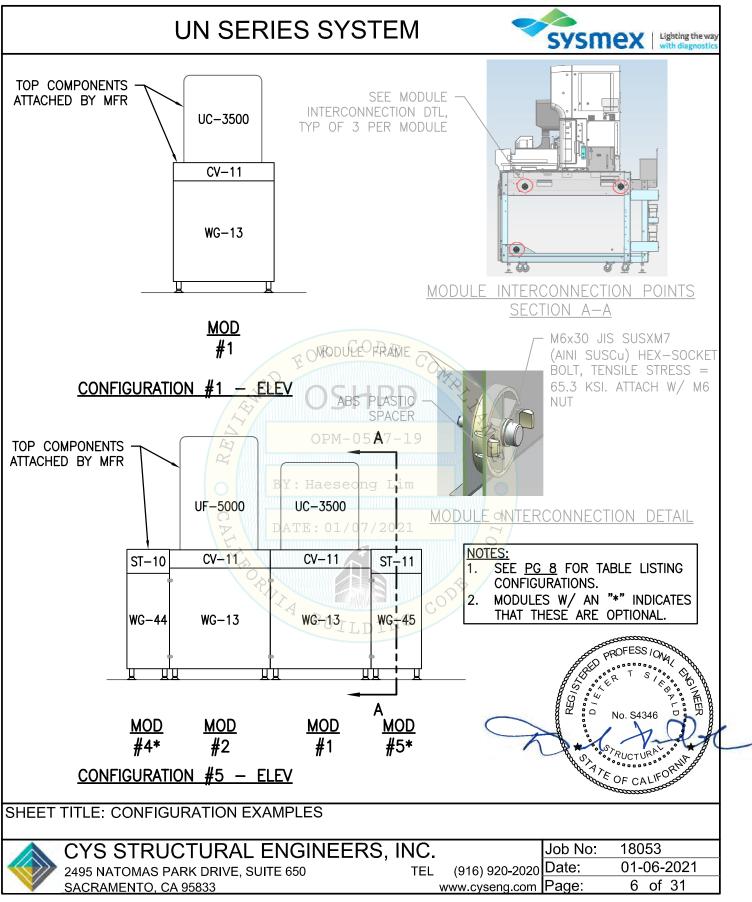


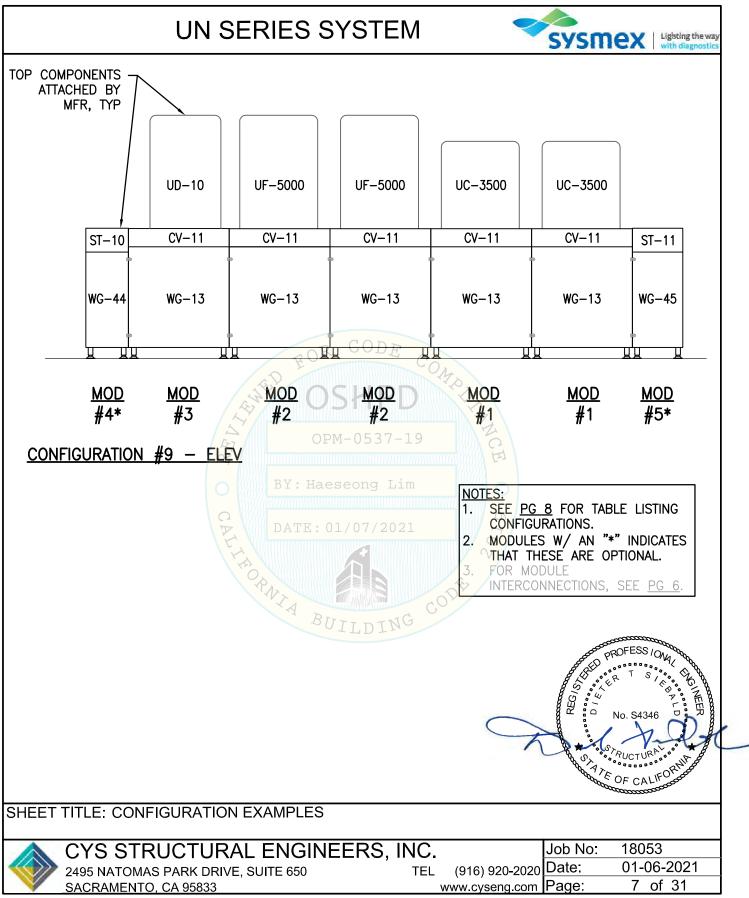
CYS STRUCTURAL ENGINEERS, INC. Job No: 18053	
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	UN SERIES SYS	STEM	SYSMEX Lighting the way with diagnostics
ABBREVI @ AB ABV ADJ ASCE BLDG BLW BOTT BYD CBC CG Q CONC CONN COORD DBL DTL(S) DIA (∅) (E) EA EE ELEV EQ EQUIP f'c FLR	ATIONS: AT ANCHOR BOLT ABOVE ADJACENT AMERICAN SOCIETY OF CIVIL ENGINEERS BUILDING BELOW BOTTOM BEYOND CALIFORNIA BUILDING CODE CENTER OF GRAVITY CENTERLINE CONCRETE CONNECTION COORDINATE DOUBLE DETAIL(S) DIAMETER EXISTING CONDITION EACH EACH END ELEVATION EQUAL EQUIPMENT MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE FLOOR	NO. (#) NWC OP OPG OPM OSHPD PERP PG PC PSI REQ SEOR SIM SLWC SPCG SS STL THK Tu THRD 5 T&B 19 TYP UNO	NUMBER OR POUNDS NORMAL WEIGHT CONCRETE OPERATING OPENING OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION OFFICE OF STATEWIDE HEALTH PLANNING & DEVELOPMENT PERPENDICULAR PAGE PLATE POUNDS PER SQUARE INCH REQUIRED STRUCTURAL ENGINEER OF RECORD SIMILAR SAND-LIGHTWEIGHT CONCRETE SPACING STAINLESS STEEL STEEL THICK/THICKNESS ANCHORAGE TENSION REACTION DUE TO SEISMIC FORCE AT LRFD THREAD OR THREADED TOP & BOTTOM TYPICAL UNLESS NOTED OTHERWISE ANCHORAGE SHEAR REACTION DUE TO
FLR FT (') Fy GA HSS ICC IN (") INFO KSI LBS LRFD MAX MIN MOD MTL	FOOT/FEET SPECIFIED YIELD STRENGTH OF REINFORCING, PS OF STEEL, KSITE: 01/0 GAUGE HOLLOW STRUCTURAL SECTION INTERNATIONAL CODE COUNCIL INCH	W/	SEISMIC FORCE AT LRFD WITH COMPONENT OPERATING WEIGHT WEIGHT
SHEET TI	TLE: ABBREVIATIONS		
	YS STRUCTURAL ENGINEER	RS. INC.	Job No: 18053
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			CONFI	GURATIO	N MATR	IX			
	MODULE #	1							
CONFIGURATION	COMPONENT(S)	UC-3500							1
1	WAGON	CV-11 WG-13							
	MODULE #	2							
CONFIGURATION	COMPONENT(S)	UF-5000							
2		CV-11							
	WAGON MODULE #	WG-13							4
CONFIGURATION		3 UD-10							
3	COMPONENT(S)	CV-11							
	WAGON	WG-13							1
	MODULE #	2	1						
CONFIGURATION 4	COMPONENT(S)	UF-5000 CV-11	UC-3500 CV-11						
	WAGON	WG-13	WG-13]
	MODULE #	4*	2	1	5*]
CONFIGURATION	COMPONENT(S)	ST-10	UF-5000	UC-3500	ST-11				4
5	WAGON	WG-44	CV-11 WG-13	CV-11 WG-13	WG-45				1
	MODULE #	2	1	6*	R 10 40 C	DE			
CONFIGURATION	COMPONENT(S)	UF-5000	UC-3500	ST-12	and the second s	WINDOW	0,		
6		CV-11	CV-11				172		
	WAGON MODULE #	WG-13 4*	WG-13	WG-45 2	1	5*	×		
CONFIGURATION		ST-10	UD-10	UF-5000	UC-3500	ST-11		Y T	
7	COMPONENT(S)		CV-11	CV-11	CV-11				
	WAGON	WG-44	- WG-13	WG-13	PWG-135	3WG-45	2 //	A a	
	MODULE #	3	2	1 UC-3500	6*			II II	
CONFIGURATION 8	COMPONENT(S)	UD-10 CV-11	UF-5000 CV-11	CV-11	ST-12	- 1	44		
-	WAGON	WG-13	WG-13	WG-13	WG-45	g Lim	Ŵ		
	MODULE #	4*	3	2	2	1	1	5*	
CONFIGURATION 9	COMPONENT(S)	ST-10	UD-10	UF-5000	UF-5000	UC-3500	UC-3500 CV-11	ST-th	
9	WAGON	WG-44	CV-11 WG-13	CV-11 WG-13	0 CV/117 WG-13	/ CV-11 WG-13	WG-13	WG-45	
	MODULE #	3	2	2	1 +	1	6*	V	
CONFIGURATION	COMPONENT(S)	UD-10	UF-5000	UF-5000	UC-3500	UC-3500	ST-12		
10	WAGON	CV-11	CV-11 WG-13	CV-11 WG-13	CV-11 WG-13	CV-11	WG-45		
	MODULE #	WG-13 3	2	WG-13	WG=13	WG-13	WG=43		
CONFIGURATION			UF-5000	R	Tr	INT C	0		
11	COMPONENT(S)	CV-11	CV-11		OTTI	TWO			
	WAGON MODULE #	WG-13 4*	WG-13 3	2	5*				PROFESS / ON A
CONFIGURATION		4* ST-10	UD-10	2 UF-5000	5* ST-11				No. S4346
12	COMPONENT(S)		CV-11	CV-11					JE OCR T SILON WAY
	WAGON	WG-44	WG-13	WG-13	WG-45				
	MODULE #	3	2	6*					No. S4346
CONFIGURATION 13	COMPONENT(S)	UD-10 CV-11	UF-5000 CV-11	ST-12				C	NU. 54340
	WAGON	WG-13	WG-13	WG-45					The I had
CONFIGU	•	" INDICA	ATES TH	AT THES	SE ARE	OPTION	AL IN TH	ΗE	Pre OF CALIFOR
ET TITLE:	CONFIGU	RATIO	N TABI	LE					

