

Type:

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

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

OFFICE USE ONLY

APPLICATION #: OPM-0492

OSHPD Preapprova	I of Manufacturer's	Certification (OPM)
-------------------------	---------------------	---------------------

X New Renewal/Update

Manufacturer Information

Manufacturer: Becton, Dickinson and Company

Manufacturer's Technical Representative: Dustin Diemert

Mailing Address: 7 Loveton Circle, Sparks, MD 21152

Telephone: (410) 316-4862

Email: dustin diemert@bd.com

)PM-0492

Product Information

Product Name: BD CORTM SYSTEM

Product Type: High-Throughput Molecular Platform

Product Model Number: COR GX, COR MX, COR PX

General Description: An automated diagnostic instrument for use in clinical laboratories that supports a menu of clinically differentiated assays for women's health, sexually transmitted infections, and gastrointestinal (GI) applications.

Applicant Information

Applicant Company Name: Becton, Dickinson and Company LDT

Contact Person: Dustin Diemert

Mailing Address: 7 Loveton Circle, Sparks, MD 21152

Telephone: (410) 316-4862

Email: dustin_diemert@bd.com

Title: Senior Engineer - Mechanical

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

OSHP



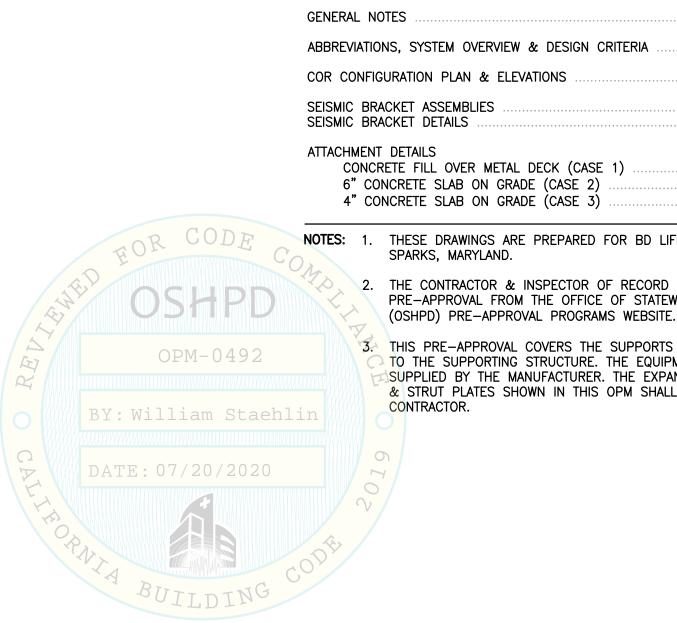
OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Registered Design Professonal Preparing Engineering Recommendations				
Company Name: CYS STRUCTURAL ENGINEERS, INC.				
Name: Dieter Siebald	California License Number: S4346			
Mailing Address: 2495 Natomas Park Drive, Suite 650,	, Sacramento, CA 95833			
Telephone: (916) 920-2020 Em	ail: dieters@cyseng.com			

OSHPD Special Seismic Certification Preapproval (OSP)
Special Seismic Certification is preapproved under OSP OSP Number:
- 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):
CODE CODE
OSHPD Approval
Date: 7/20/2020
Name: William Staehlin Title: Senior Structural Engineer
Condition of Approval (if applicable):



TABLE OF CONTENTS OPM-0492-19



SHEET TITLE: TABLE OF CONTENTS



BD Life Sciences - Diagnostic Systems BD COR^{TM}



CYS STRUCTURAL ENGINEERS, INC. 2495 NATOMAS PARK DRIVE, SUITE 650 SACRAMENTO, CA 95833

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

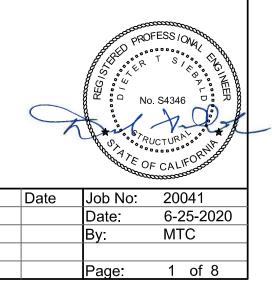
Rev Description

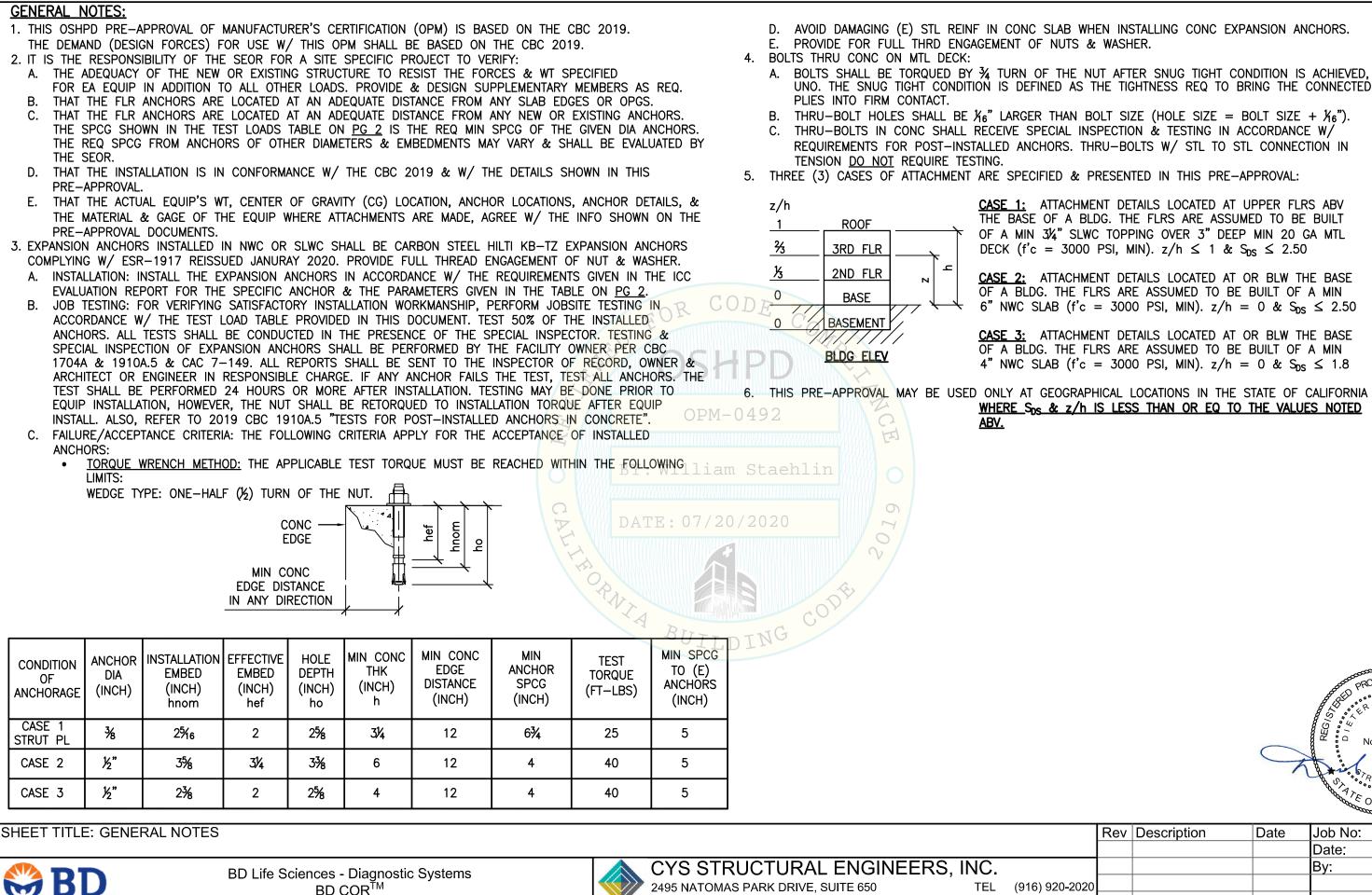
	PAGE
	. 2
N CRITERIA	3
	4
	5 6
ASE 1) 2) 3)	8

NOTES: 1. THESE DRAWINGS ARE PREPARED FOR BD LIFE SCIENCES - DIAGNOSTIC SYSTEMS,

THE CONTRACTOR & INSPECTOR OF RECORD SHALL OBTAIN A COPY OF THIS PRE-APPROVAL FROM THE OFFICE OF STATEWIDE HEALTH PLANNING & DEVELOPMENT

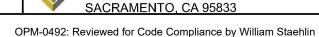
THIS PRE-APPROVAL COVERS THE SUPPORTS & ATTACHMENTS OF THE EQUIPMENT TO THE SUPPORTING STRUCTURE. THE EQUIPMENT & ATTACHMENT HARDWARE ARE SUPPLIED BY THE MANUFACTURER. THE EXPANSION ANCHORS, THRU-BOLTS & STRUT PLATES SHOWN IN THIS OPM SHALL BE SUPPLIED & INSTALLED BY THE





07/20/2020

BD COR[™]



2495 NATOMAS PARK DRIVE, SUITE 650

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

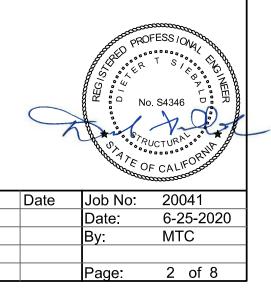
Rev Description

CASE 1: ATTACHMENT DETAILS LOCATED AT UPPER FLRS ABV THE BASE OF A BLDG. THE FLRS ARE ASSUMED TO BE BUILT OF A MIN 31/4" SLWC TOPPING OVER 3" DEEP MIN 20 GA MTL DECK (f'c = 3000 PSI, MIN). $z/h \le 1 \& S_{DS} \le 2.50$

CASE 2: ATTACHMENT DETAILS LOCATED AT OR BLW THE BASE OF A BLDG. THE FLRS ARE ASSUMED TO BE BUILT OF A MIN 6" NWC SLAB (f'c = 3000 PSI, MIN). $z/h = 0 \& S_{DS} \le 2.50$

CASE 3: ATTACHMENT DETAILS LOCATED AT OR BLW THE BASE OF A BLDG. THE FLRS ARE ASSUMED TO BE BUILT OF A MIN 4" NWC SLAB (f'c = 3000 PSI, MIN). $z/h = 0 \& S_{DS} \le 1.8$

WHERE SDS & z/h IS LESS THAN OR EQ TO THE VALUES NOTED



Γ	ABBRE ©	VIATIONS: AT	f'c	MINIMUM ULTIMATE COMPRESSIVE		OPERATING 1.		INCLUDES THRE	E (3) MODULE	S THAT CAN BE
	L AB ABV	ANGLE ANCHOR BOLT ABOVE	FLG FLR	STRENGTH OF CONCRETE FLANGE FLOOR	OPG OPM	OPENING OSPHD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION	INSTALLATION C	ONFIGURATIONS	CENTER	N TABLE BLW:
	ASCE ADJ	AMERICAN SOCIETY OF CIVIL ENGINEERS ADJACENT	FT (') F _P	FOOT/FEET HORIZONTAL SEISMIC FORCE	osphd Perp	OFFICE OF STATEWIDE HEALTH PLANNING & DEVELOPMENT PERPENDICULAR	1	COR GX	MODULE COR PX	COR GX
	AISI	AMERICAN IRON & STEEL INSTITUTE ALUMINUM	Fy	PER ASCE 7-10 SEISMIC FORCE REQUIREMENTS SPECIFIED MINIMUM YIELD	PG ዊ	PAGE PLATE	2 3	COR GX	COR PX	– COR GX
	ASTM BLDG	AMERICAN SOCIETY FOR TESTING & MATERIALS BUILDING	GA GR	STRESS OF STEEL GAUGE GRADE	psi Req Seor	POUNDS PER SQUARE INCH REQUIRED STRUCTURAL ENGINEER OF	4	COR MX	COR PX	– COR MX
	BLW BOTT CBC	BELOW BOTTOM CALIFORNIA BUILDING CODE	HT ICC	HEIGHT INTERNATIONAL CODE COUNCIL	SLWC SPCG	RECORD SAND-LIGHTWEIGHT CONCRETE SPACING	6	COR MX COR GX	COR PX	COR MX COR MX
	CG ଜୁ	CENTER OF GRAVITY CENTERLINE	IN (") INFO KSI	INCH INFORMATION KIPS PER SQUARE INCH	SPEC SS STL	SPECIFICATION STAINLESS STEEL STEEL	8	COR MX	COR PX	COR GX
i ocale: o	CONC CONT COORD CRS DBL DEG DIA (Ø) DTL (E) EA EE ELEV EQ EQUIP ES EXTR	Concrete Continuous Coordinate ColdRolled Steel Double Degree Diameter Detail Existing Condition Each Each end Elevation Equal Equipment Each Side Exterior	LBS LRFD MAX MFR MIN mm MTL	POUNDS LOAD AND RESISTANCE FACTOR DESIGN MAXIMUM MANUFACTURER MINIMUM MILLIMETER METAL NUMBER OR POUNDS NORMAL WEIGHT CONCRETE	THK THRD T.O. Tu TYP T&B UNO VERT Vu W/ Wp WT	THREAD OR THREADED TOP OF ANCHORAGE TENSION REACTION DUE TO SEISMIC FORCE TYPICAL TOP & BOTTOM UNLESS NOTED OTHERWISE VERTICAL ANCHORAGE SHEAR REACTION DUE TO SEISMIC FORCE WITH OPERATING WEIGHT WEIGHT BY: William St	OTHER M ASCE 7- $a_p = 1.0$ $W_p = 1.0$ $W_p = 1.0$ $W_p = 1.0$ $W_p = 1.0$ $W_p = 1.0$ $W_p = 1.0$ CASE 1: FLRS AT OR BL CASE 1: CASE 2: CASE 3: LOAD COMBINAT (0.9 -	MECHANICAL OR -16 SUPPLEMEN D $R_p = 1$ 573# MAX PER BV THE BASE OI $S_{DS} =$ LW THE BASE OI $S_{DS} =$ LW THE BASE OI $S_{DS} =$ $S_{DS} =$ TIONS 0.2 S_{DS}) D - 0 0.2 S_{DS}) D + 0	ELECTRICAL C IT #1: .5 I_p = MODULE F BLDG, z/h : 2.50 F_p = E BLDG, z/h : 1.8 F_p =	= 3.00 W_{p} ≤ 0 = 1.13 W_{p} = 0.81 W_{p}

SHEET TITLE: ABBREVIATIONS, SYSTEM OVERVIEW & DESIGN CRITERIA



ale:1 LTSc

Ë

Time:Jun25,2020-08:42am

_28780\S1.dwg

p\AcPu

BD Life Sciences - Diagnostic Systems BD COR^{TM}



CYS STRUCTURAL ENGINEERS, INC. 2495 NATOMAS PARK DRIVE, SUITE 650 SACRAMENTO, CA 95833

OPM-0492: Reviewed for Code Compliance by William Staehlin

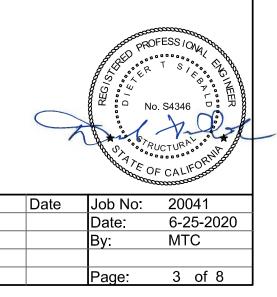
INTERCONNECTED (COR PX, COR GX & COR MX).

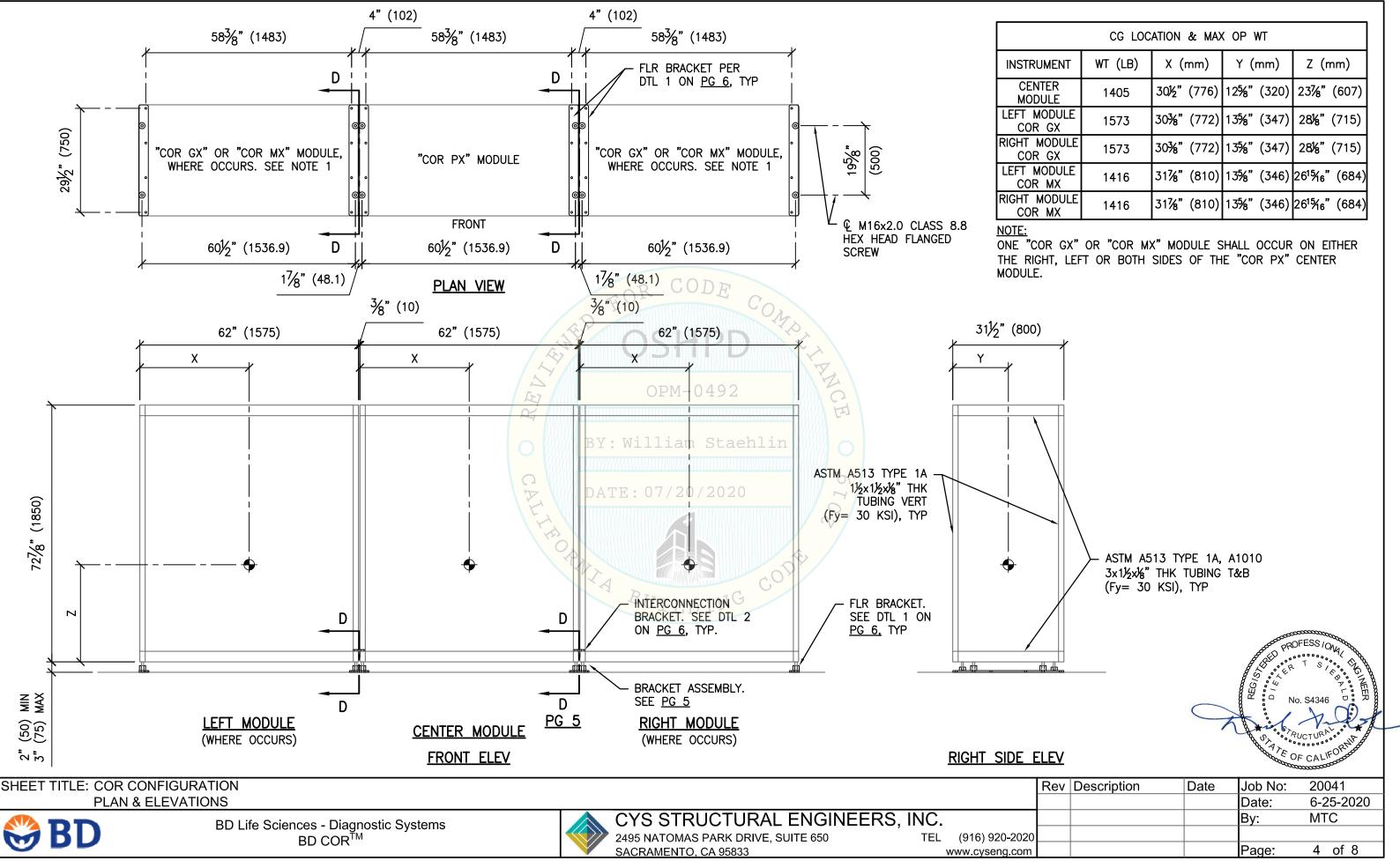
FD LEVEL FORCES.

R TABLE 13.6-1 OF

= 1.5 (FOR CONC ANCHORS ONLY)

Rev Description



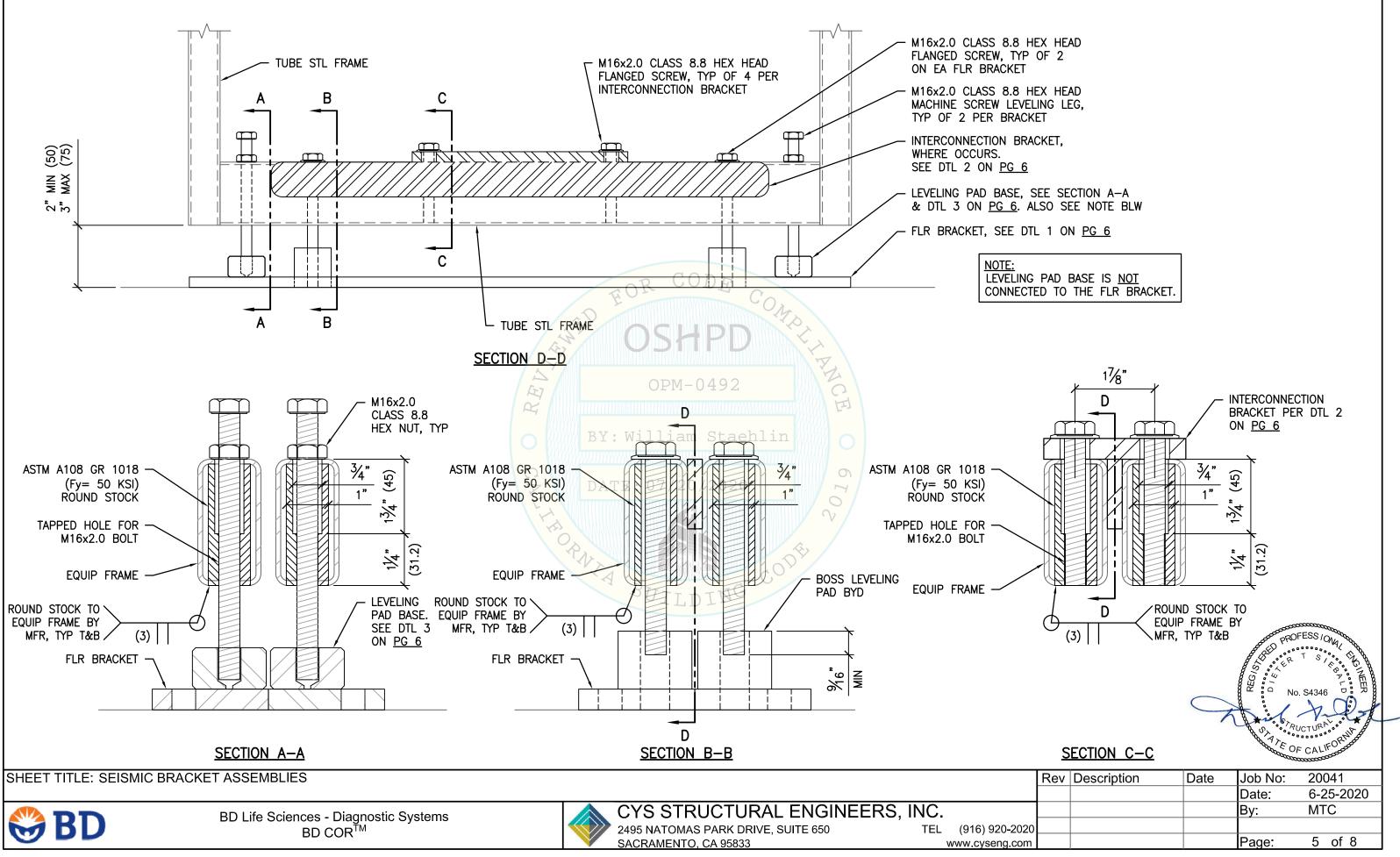


07/20/2020

28780\S1

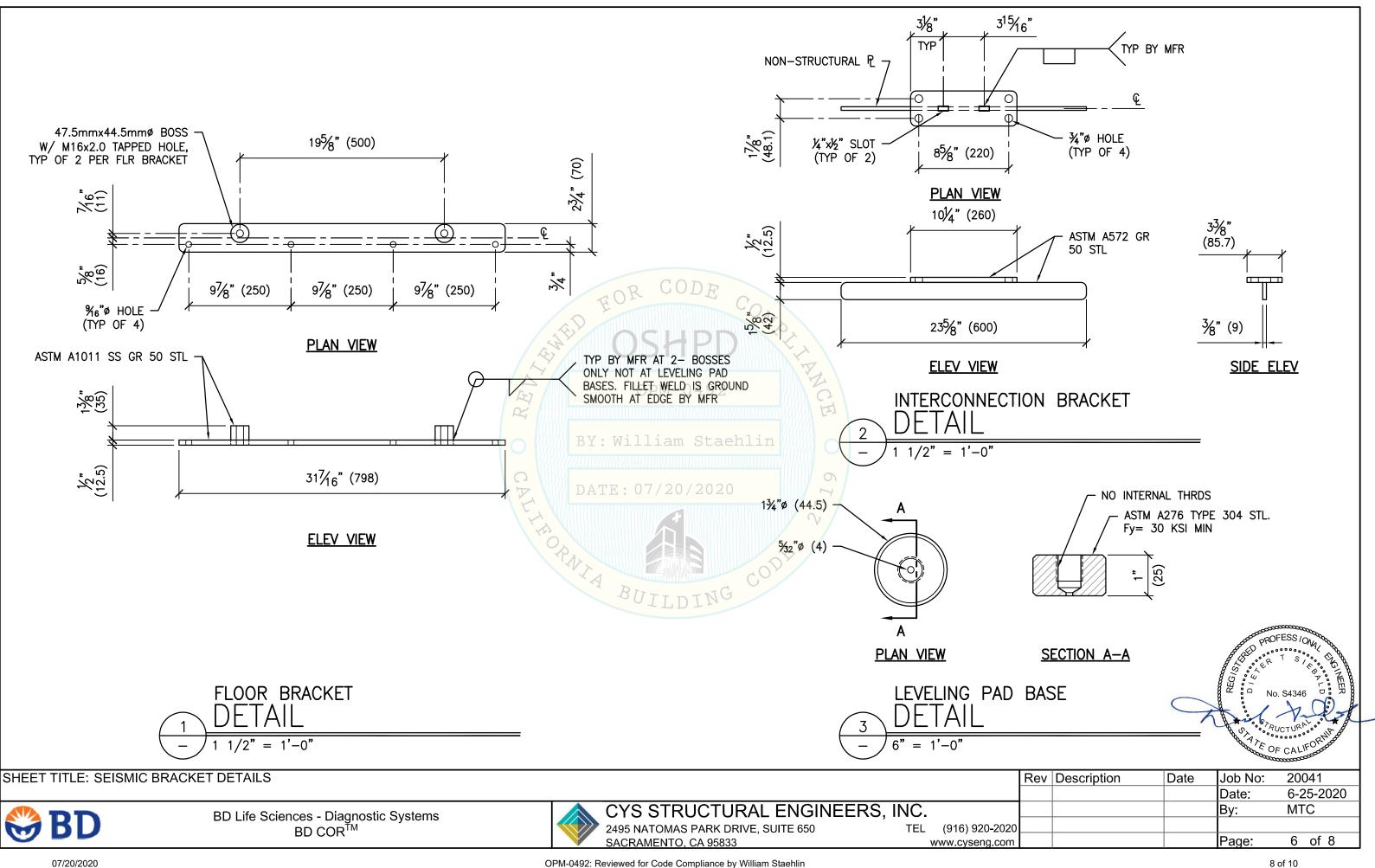
OPM-0492: Reviewed for Code Compliance by William Staehlin

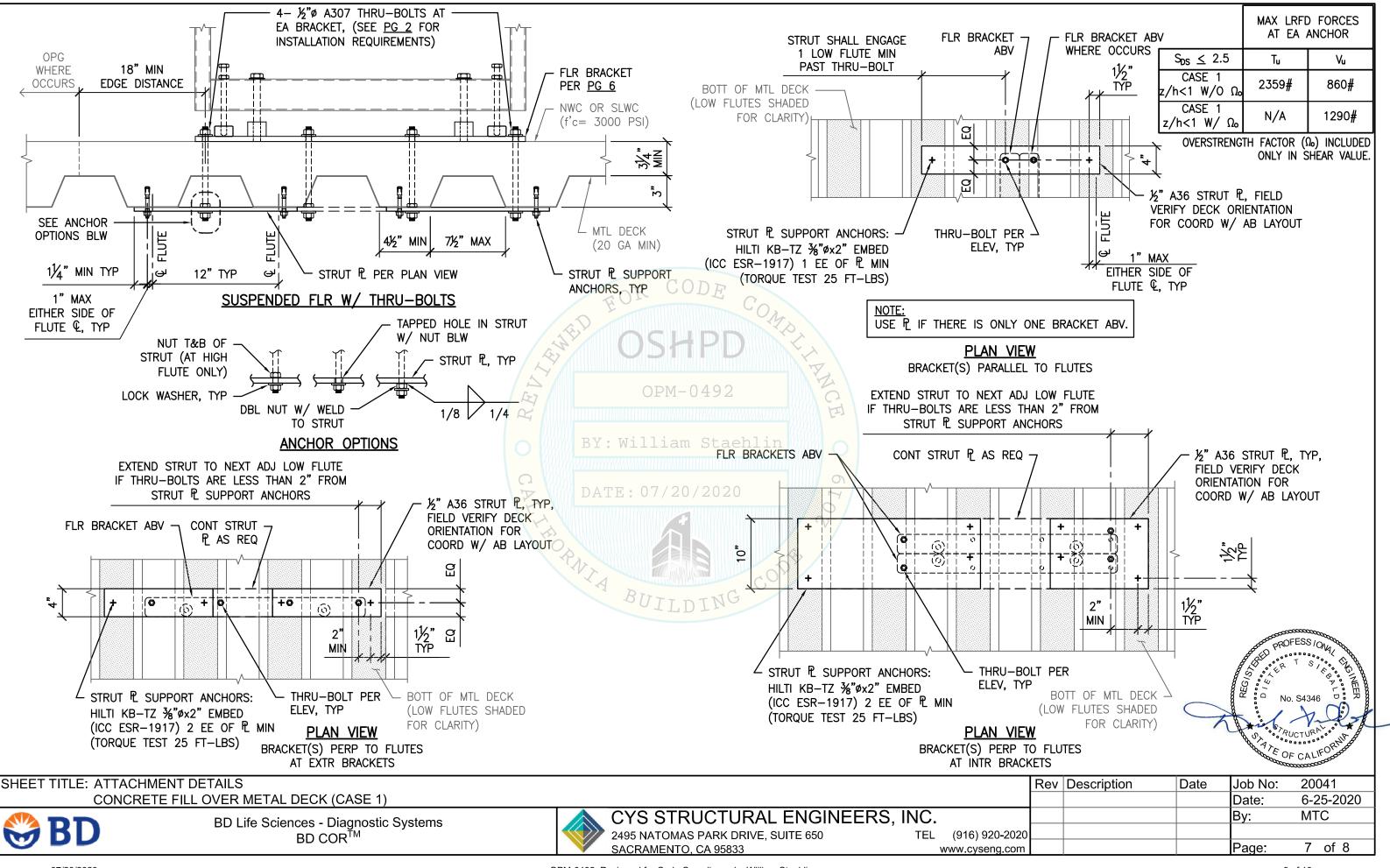
CG LOCATION & MAX OP WT						
STRUMENT	WT (LB)	X (mm)	Y (mm)	Z (mm)		
CENTER MODULE	1405	30½" (776)	125%" (320)	237⁄8" (607)		
T MODULE COR GX	1573	30¾" (772)	135%" (347)	281%" (715)		
IT MODULE	1573	30¾" (772)	135%" (347)	281%" (715)		
T MODULE COR MX	1416	317⁄8" (810)	135%" (346)	26 ¹ ¾6"(684)		
IT MODULE	1416	317⁄8" (810)	135%" (346)	26 ¹ 5⁄16" (684)		



e:]

OPM-0492: Reviewed for Code Compliance by William Staehlin





07/20/2020

OPM-0492: Reviewed for Code Compliance by William Staehlin

