

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

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

OFFICE USE ONLY

APPLICATION #: OPM-0345

HCAI Preapproval of Manufacturer's Certification (OPM)

Type: New X Renewal/Update

Manufacturer Information

Manufacturer: BD Integrated Diagnostic Solutions

Manufacturer's Technical Representative: Matthew Mellarkey

Mailing Address: 7 Loveton Circle, Sparks, MD 21152

Telephone: (410) 316-4810

Email: Matthew.Mellarkey@bd.com

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<u>09/02/2022</u>

Product Information

Product Name: BD BACTECTM MGITTM 320 OPM-0

Product Type: Mycobacteria Culture System Unit Mounted on Stand

Product Model Number: BD BACTEC MGIT 320

General Description: Tuberculosis Detection Instrument

Applicant Information

Applicant Company Name: CYS Structural Engineers, Inc.						
Contact Person: Dieter Siebald	BUILDING					
Mailing Address: 2495 Natomas Park Drive, Suite 650, Sacramento, CA 95833						
Telephone: (916) 920-2020	Email: dieters@cyseng.com					

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Title: Structural Engineer

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

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY





DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION 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

Email: dieters@cyseng.com

HCAI Special Seismic Certification Preapproval (OSP)					
Special Seismic Certification is preapproved under OSP OSP Number:					
FOR CODE COM					
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 HCAI prior to testing.					
X Analysis					
Experience Data					
Combination of Testing, Analysis, and/or Experience Data (Please Specify):					
OPNIS CODE					
HCAI Approval					
Date: 9/2/2022					
Name: William Staehlin Title: Senior Structural Engineer					
Condition of Approval (if applicable):					



BD INTEGRATED DIAGNOSTIC SOLUTIONS BACTEC[™] MGIT[™] 320



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ATTACHMENT PLANS	_
UNIT TO STAND STAND TO FLOOR	
BRACKET HEAVY ANCHOR DETAIL FRONT MOUNT HEAVY ANCHOR DETAIL STAND ASSEMBLY DETAIL	
FRONT MOUNT HEAVY ANCHOR DETAIL	
STAND ASSEMBLY DETAIL	
LEVELING LEG DETAILS	
STAND TO CONCRETE FILL OVER METAL DECK (CASE 1)	
STAND TO 4" SLAB ON GRADE (CASE 2)	
THIS PRE-APPROVAL FROM THE CALIFORNIA DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION (HCAI) PRE-APPROVAL PROGRAMS WEBSITE.	1
3. THIS PRE-APPROVAL COVERS THE SUPPORTS AND ATTACHMENTS OF EQUIPMENT TO THE SUPPORTING STRUCTURE. THE EQUIPMENT, STAN ATTACHMENT HARDWARE ARE SUPPLIED BY THE MANUFACTURER. THE EXPANSION ANCHORS, THRU-BOLTS & STRUT PLATES SHOWN IN TH OPM SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR.	D &
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CYS STRUCTURAL ENGINEERS, INC.	Job No: 22018.05
2495 NATOMAS PARK DRIVE, SUITE 650 TEL (916) 920-2020	Date: 08-31-2022
2493 NATUWAS PARK DRIVE, SUITE 030 TEL (910) 920-20201	Date. 00-51-2022

BD INTEGRATED DIAGNOSTIC SOLUTIONS BACTECTM MGITTM 320



GENERAL NOTES:

- 1. THIS HCAI 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 Α. 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 TEST TORQUE TABLE BLW 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.
 - THAT THE ACTUAL EQUIP'S WT, CENTER OF GRAVITY (CG) LOCATION, ANCHOR LOCATIONS, ANCHOR Ε. DETAILS. & THE MATERIAL & GAUGE OF THE EQUIP WHERE ATTACHMENTS ARE MADE. AGREE W/ THE INFO SHOWN ON THE PRE-APPROVAL DOCUMENTS.
 - F. THAT THE PROJECT SPECIFIC VALUES OF SDS & Z/h RESULT IN SEISMIC FORCES THAT DO NOT EXCEED THE VALUES IN THE DESIGN CRITERIA.
- 3. EXPANSION ANCHORS INSTALLED IN NWC OR SLWC SHALL BE CARBON STL HILTI KB-TZ OR HILTI KB-TZ2 EXPANSION ANCHORS AS NOTED COMPLYING W/ ESR-1917 REISSUED MAY 2021 OR ESR-4266 REVISED DECEMBER 17, 2021 RESPECTIVELY.
 - A. INSTALLATION: INSTALL THE EXPANSION ANCHORS IN ACCORDANCE W/ THE REQUIREMENTS GIVEN IN THE ICC EVALUATION REPORT FOR THE SPECIFIC ANCHOR & THE PARAMETERS GIVEN IN THE TABLE BLW.
 - B. JOB TESTING: FOR VERIFYING SATISFACTORY INSTALLATION WORKMANSHIP, PERFORM JOBSITE TESTING IN ACCORDANCE W/ THE TEST LOAD TABLE PROVIDED IN THIS DOCUMENT. TORQUE TEST 50% OF THE INSTALLED ANCHORS. ALL TESTS SHALL BE CONDUCTED IN THE PRESENCE OF THE SPECIAL INSPECTOR & REPORT OF TEST RESULTS SHALL BE SUBMITTED TO HCAI. IF ANY ANCHOR FAILS THE TEST, TEST ALL ANCHORS. THE TEST SHALL BE PERFORMED 24 HOURS OR MORE AFTER INSTALLATION. TESTING MAY BE DONE PRIOR TO EQUIP INSTALLATION, HOWEVER NUT SHALL BE RETORQUED TO INSTALLATION TORQUE AFTER EQUIP INSTALL. ALSO REFER TO CBC 1910A.5 "TESTS FOR POST-INSTALLED ANCHORS IN CONCRETE". REPORT OF TEST RESULTS SHALL BE SUBMITTED TO HCAI. TESTING SHALL BE PERFORMED BY AN APPROVED TESTING AGENCY EMPLOYED BY THE FACILITY OWNER. TEST REPORTS SHALL BE SUBMITTED TO THE IOR, OWNER & THE ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE. (CAC 7-149)
 - C. FAILURE/ACCEPTANCE CRITERIA: THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS: PROFESS 10/4 S HARD
 - TORQUE WRENCH METHOD: THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN THE FOLLOWING LIMITS: WEDGE TYPE: ONE-HALF (1/2) TURN OF THE NUT.
 - AVOID DAMAGING (E) STL REINF IN CONC SLAB WHEN INSTALLING D. CONC EXPANSION ANCHORS.
 - E. PROVIDE FOR FULL THRD ENGAGEMENT OF NUT & WASHER.

SHEET TITLE: GENERAL NOTES

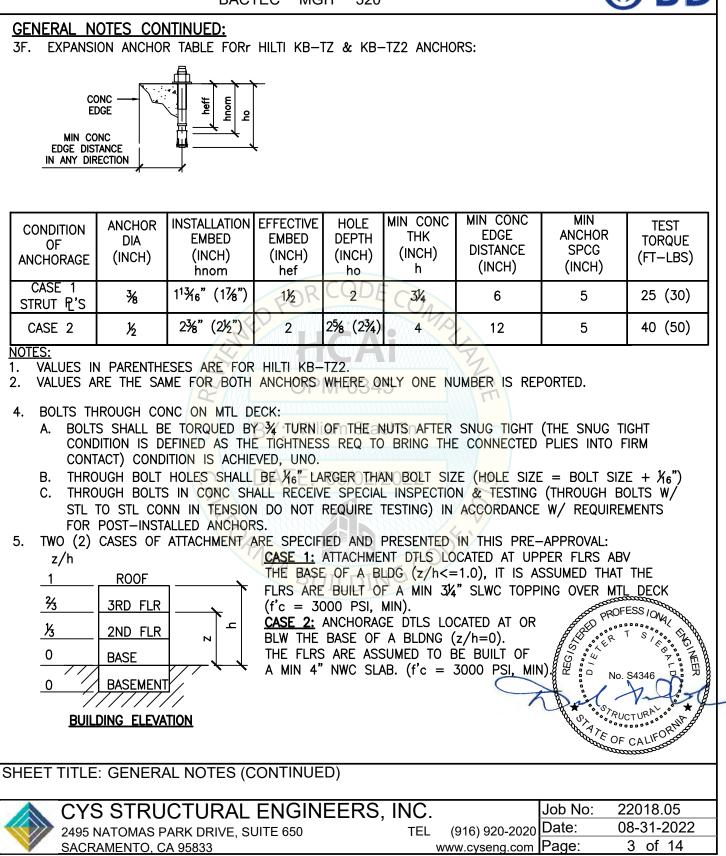


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	SACRAMENTO, CA 95833		www.cyseng.com		2 of 14

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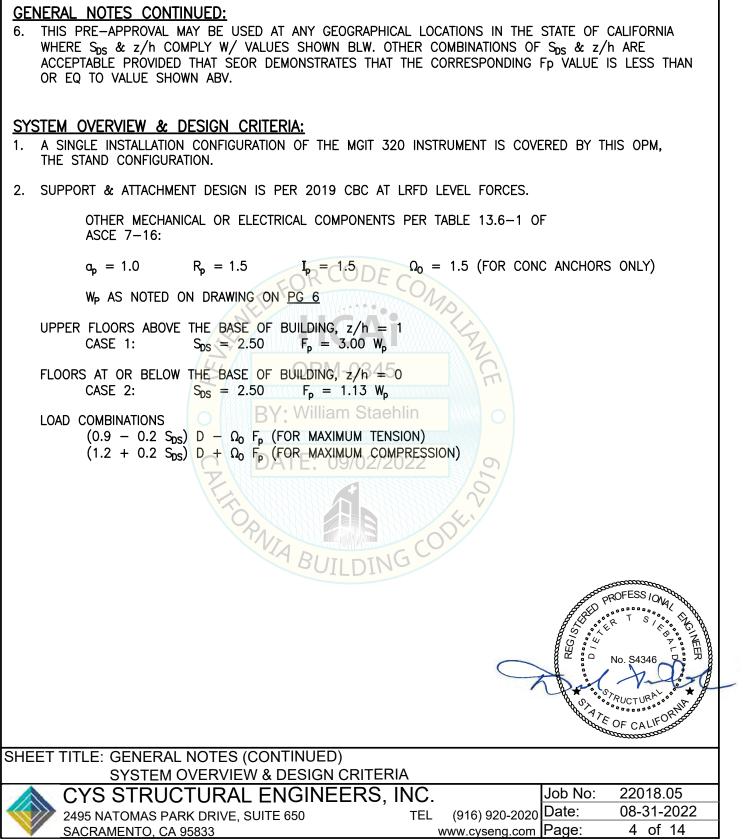
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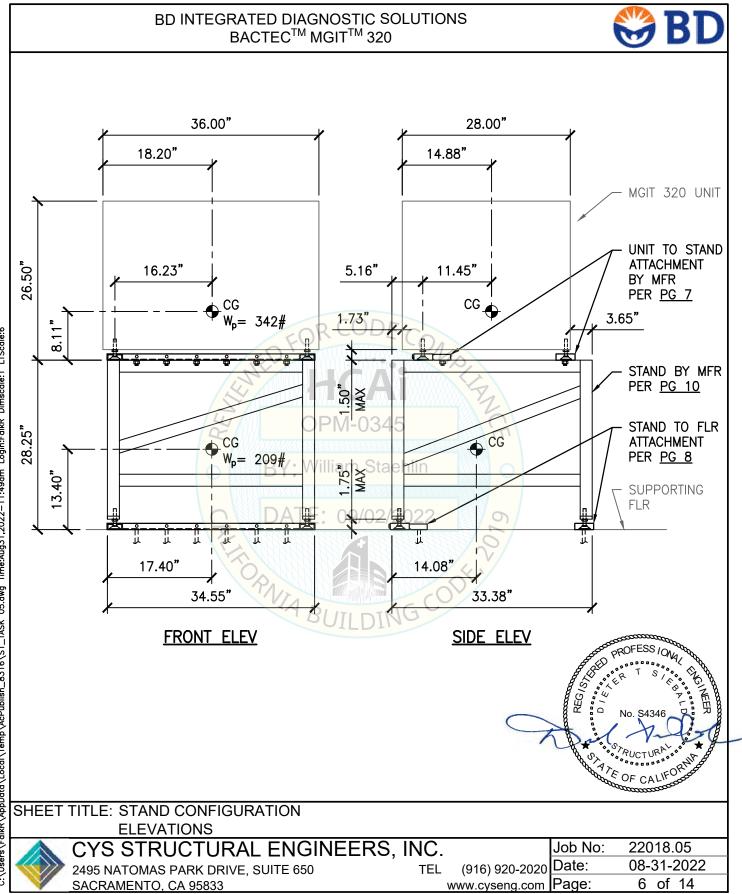


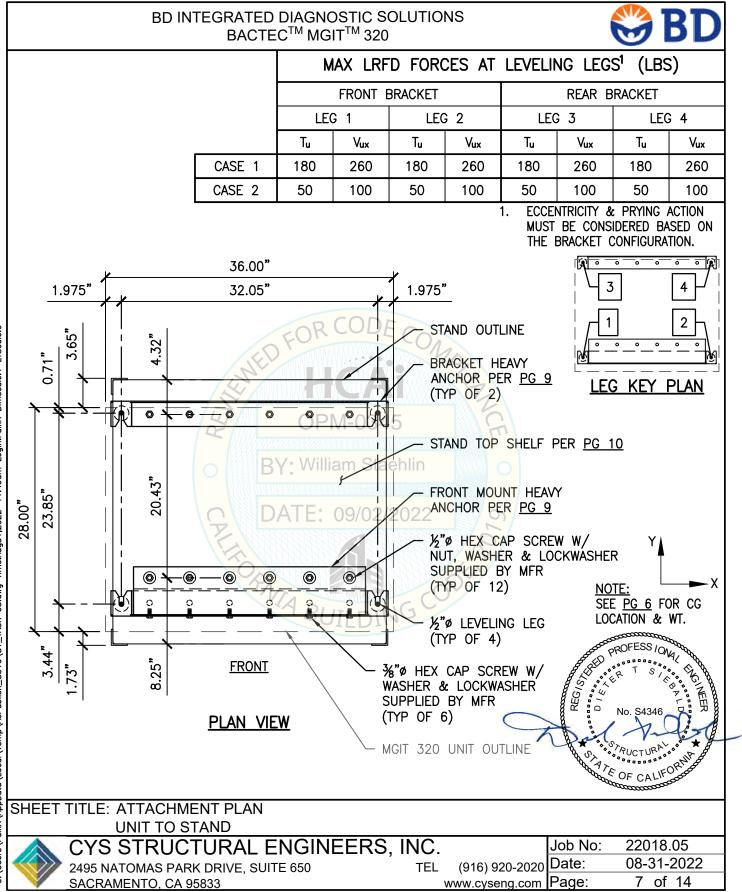


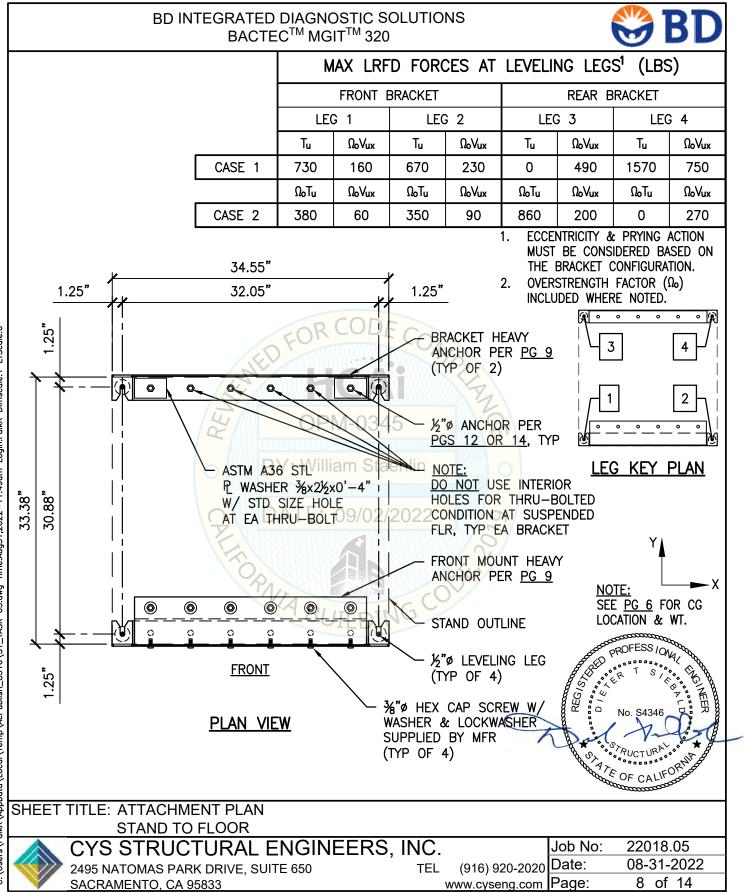
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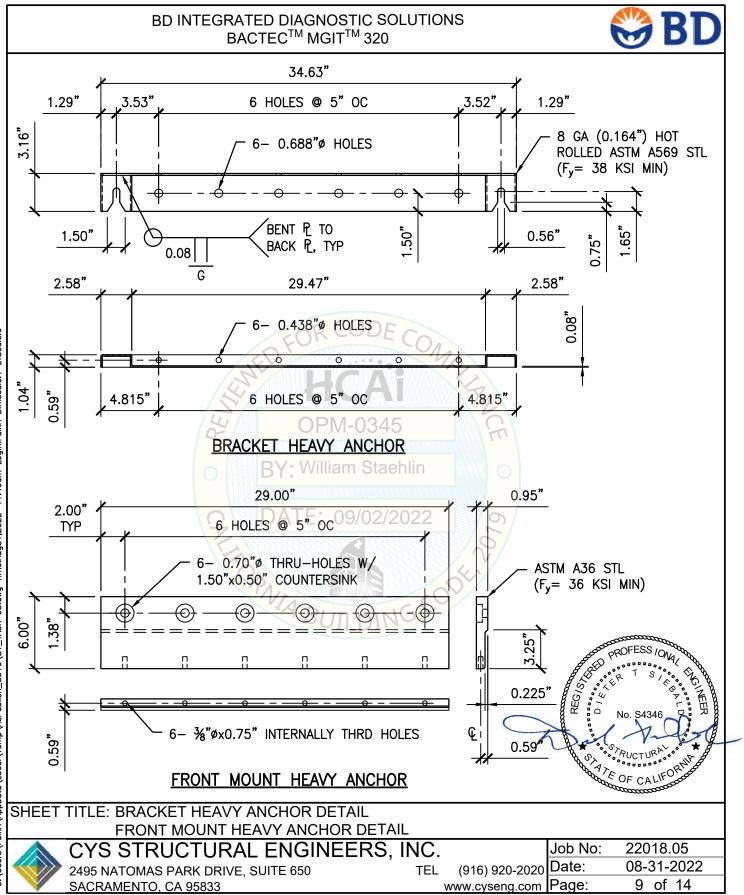


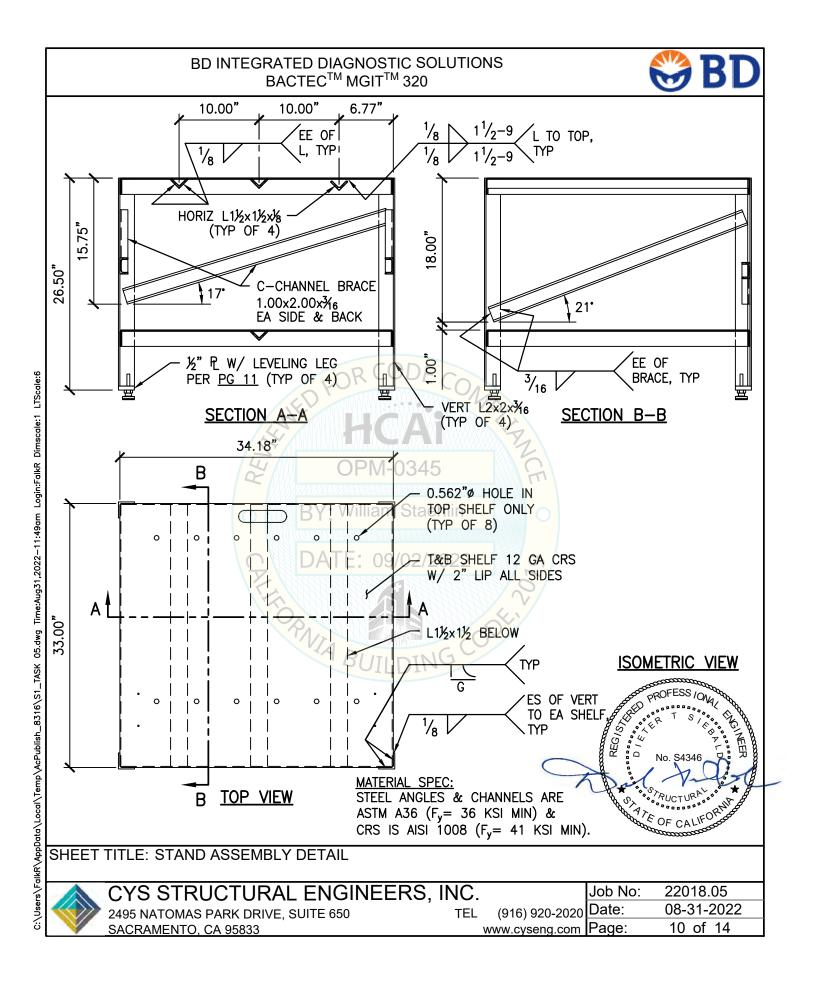
ABBRE	EVIATIONS:					
(♥) AB ABV ADJ ALUM ASTM BLDG BLW BOTT CBC CG CC COORD CRS DIA (∅) (E) EA EE ELEV EQ EQUIP ES	AT ANCHOR BOLT ABOVE ADJACENT ALUMINUM AMERICAN SOCIETY FOR TESTING & MATERIALS BUILDING BELOW BOTTOM CALIFORNIA BUILDING CODE CENTER OF GRAVITY CENTERLINE CONCRETE COORDINATE COLD ROLLED STEEL DIAMETER EXISTING CONDITION EACH EACH END ELEVATION EQUAL EQUIPMENT EACH SIDE	f'c FLR FT (') F _p GA HCAI ICC IN (") KSI LBS LRFD MAX MFR MIN MTL NO. (#) NWC	MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE FLOOR FOOT/FEET HORIZONTAL SEISMIC FORCE PER ASCE 7–16 SEISMIC FORCE REQUIREMENTS SPECIFIED MINIMUM YIELD STRESS OF STEEL GAUGE CALIFORNIA DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION INTERNATIONAL CODE COUNCIL INCH KIPS PER SQUARE INCH ANGLE POUNDS LOAD AND RESISTANCE FACTOR DESIGN MAXIMUM MANUFACTURER 5 MINIMUM METAL NUMBER OR POUNDS NORMAL WEIGHT CONCRETE TE: 09/02/2022	OPG OPM PERP PG(S) PSI RECT SEOR SLWC SS STL THRD Tu TYP T&B Vu W/ WP	PERPENDICUL PAGE(S) PLATE POUNDS PER RECTANGULAF STRUCTURAL RECORD SAND-LIGHTV STAINLESS S' STEEL THREAD OR ANCHORAGE DUE TO SEIS TYPICAL TOP & BOTT ANCHORAGE DUE TO SEIS WITH OPERATING V WEIGHT	ER'S CERTIFICATION AR SQUARE INCH ENGINEER OF VEIGHT CONCRETE TEEL THREADED TENSION REACTION MIC FORCE OM SHEAR REACTION MIC FORCE /EIGHT
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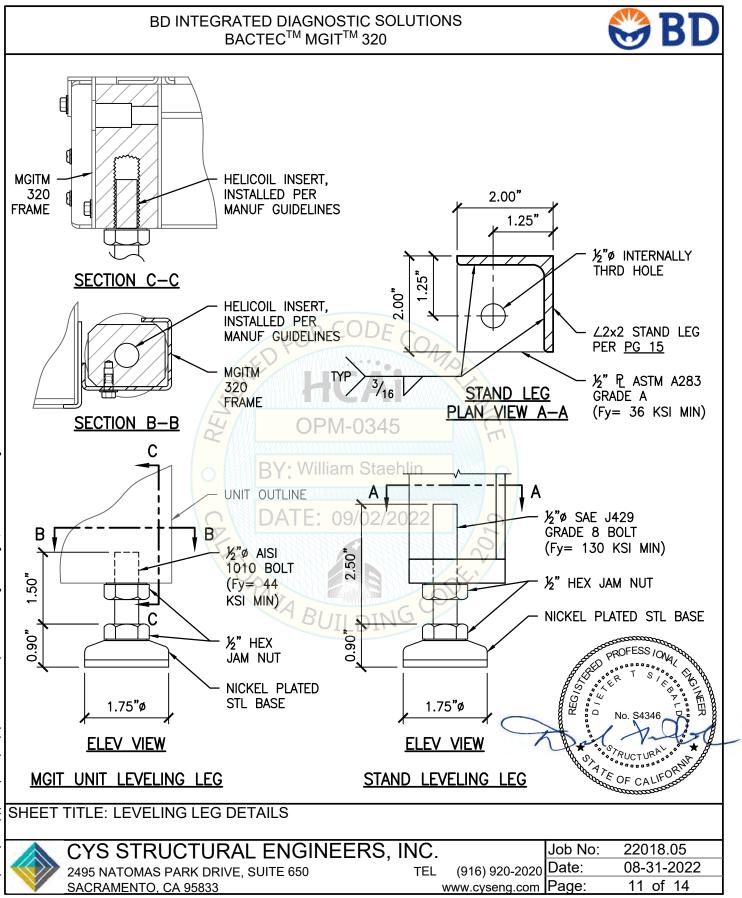


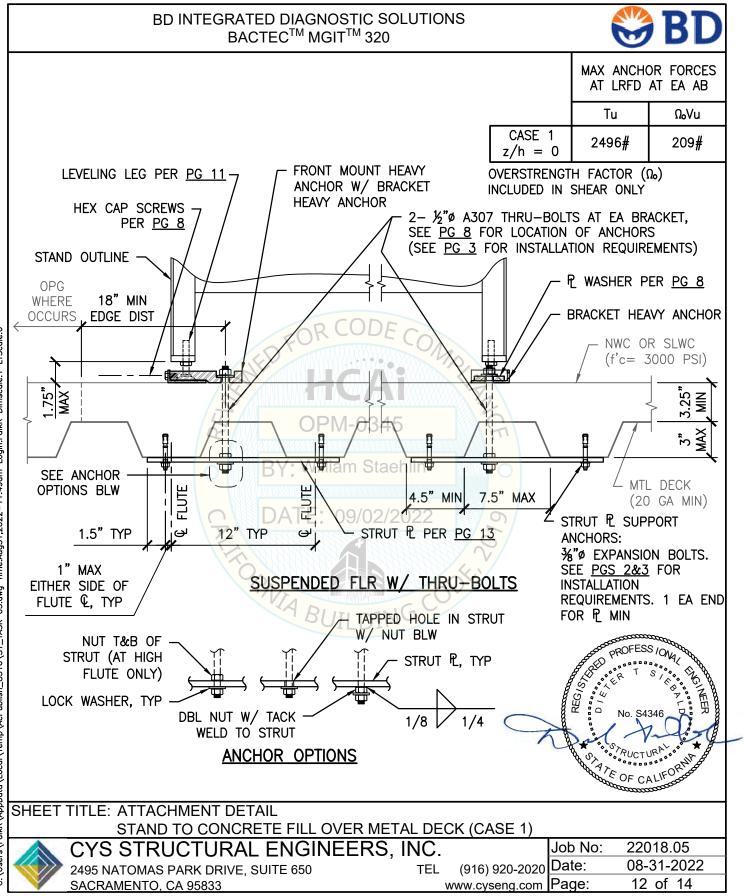












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