

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-0571

OSHPD Prea	pproval of Ma	anufacturer's	Certification	(OPM)

X New Renewal/Update

Manufacturer Information

Manufacturer: Visaris d.o.o

Manufacturer's Technical Representative: Vladimir Petrovic

Mailing Address:	Batajnicki drum	10. deo	1B, 11186	Zemun,,	Belgrade,	Se 11186
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Telephone: (38111) 201-7600

Email: vpetrovic@visaris.com

Product Information

Product Name: ddRAura U

Product Type: Radiographic Imaging System

Product Model Number: 4.1031.0400.0

General Description: The ddRAura U is a universal, stationary, diagnostic x-ray device intended for a wide range of diagnostic x-ray studies. Options for either auto-positioning or manual operation. Intended for use by a qualified physician/technician on adult and pediatric subjects. Not intended for mammography.

OPM-0571

Applicant Information

Applicant Company Name: Swissray Customer Care, LLC. II.D.T

Contact Person: Deniz Kortan

Mailing Address: 1090 King Georges Post Road, Unit 1203, Edison, NJ 08837

 Telephone:
 (908) 307-1522
 Email: deniz.kortan@swissraycustomercare.com

Title: QA/RA Manager

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

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

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OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Registered Design Professonal Preparing Engineering Recommendations
Company Name: JOHN A. MARTIN & ASSOCIATES, INC.
Name: Gregory Orozco California License Number: S4957
Mailing Address: 950 South Grad Avnenue, 4th Floor, Los Angeles, CA 90015
Telephone: (213) 483-6490 Email: gorozco@johnmartin.com
OSHPD Special Seismic Certification Preapproval (OSP)
Special Seismic Certification is preapproved under OSP OSP Number:
$\sim CODF$
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):
RAVIA CODE
OSHPD Approval
Date: 10/5/2020
Name: William Staehlin Title: Senior Structural Engineer
Condition of Approval (if applicable):



ADHESIVE ANCHORS AND DOWELS

- 1. ANCHORS AND DOWELS INSTALLED INTO CONCRETE SHALL BE INSTALLED USING, HILTI RE500-V3 (LARR #26028, ICC ESR-3814). INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ICC REPORT AND MANUFACTURER'S RECOMMENDATIONS.
- 2. MANUFACTURER'S FIELD REPRESENTATIVE SHALL PROVIDE INSTALLATION TRAINING FOR ALL PRODUCTS TO BE USED PRIOR TO COMMENCEMENT OF WORK: ONLY PROPERLY TRAINED INSTALLERS SHALL PERFORM POST INSTALLED ANCHOR INSTALLATION.
- 3. INSTALLATION OF ADHESIVE ANCHORS IN HORIZONTAL TO VERTICAL ORIENTATION SHALL BE DONE BY A CERTIFIED ADHESIVE INSTALLER (AAI) AS CERTIFIED THROUGH ACI AND IN ACCORDANCE WITH THE CURRENT EDITION OF ACI 318.
- EMBEDMENT DEPTH FOR ANCHORS AND DOWELS IS AS SHOWN ON PLAN. THE 4. TESTING LABORATORY WILL PERFORM TENSION TESTS ON 50% OF NON-STRUCTURAL ANCHORS PER ON OF THE FOLLOWING METHODS AND IN ACCORDANCE WITH THE VALUES SPECIFIED BELOW:
- 4.1. HYDRAULIC RAM METHOD: APPLY PROOF TEST LOAD WITHOUT REMOVING THE NUT. IF IT IS NOT POSSIBLE TO TEST WITH THE NUT INSTALLED, REPLACE THE NUT WITH A THREADED COUPLER TO THE SAME TORQUE MEASURED WITH A TORQUE WRENCH, AND THEN APPLY THE LOAD. MOVEMENT MAY BE DETERMINED WHEN THE WASHER UNDER THE NUT BECOMES LOOSE.
- 4.2. TEST LOAD FOR ANCHORS TO BE TWO TIMES THE ALLOWABLE TENSION VALUE OR 1 1/4 TIMES THE MAXIMUM DESIGN STRENGTH GIVEN IN THE ICC APPROVAL, BUT NEED NOT EXCEED 0.8Ase fya, WHERE Ase IS THE CROSS SECTIONAL AREA OF THE ANCHOR AND Fvg IS THE YIELD STRESS OF THE ANCHOR. TENSION TEST LOADS FOR ANCHORS SHALL BE:

ANCHOR DIAMETER	EMBEDMENT	TEST LOAD (KIPS)
5/8" (16mm)	4 1/2" (115mm)	4.72
5/8" (16mm)	6" (153mm)	7.56
5/8" (16mm)	6 1/2" (165mm)	9.45
5/8" (16mm)	9" (229mm)	10.49
5/8" (16mm)	10 1/2" (267mm)	15.11

- 5. ANCHORS SHALL CONFORM WITH ASTM A193 GRADE B7 THREADED RODS USING ASTM A 563 GRADE DH HEAVY HEX NUTS AND ASTM F436 WASHERS U.N.O.
- 6. DOWELS SHALL CONFORM WITH ASTM A615 OR ASTM A706 GRADE 60 REINFORCING STEEL U.N.O.
- 7. REPLACE ANCHORS AND DOWELS THAT FAIL DURING TESTING AND RETEST. IF ANY OF THE TESTED DOWELS AND ANCHORS FAIL TO ACHIEVE THE SPECIFIED TEST LOAD, TEST 100% OF THE DOWELS AND ANCHORS INSTALLED IN THE LAST 2 DAYS OF ANCHOR INSTALLATION.
- 8. CENTER BAR IN THE HOLE AND WEDGE TIGHT WITH WOODEN WEDGES TO HOLD IT IN PLACE UNTIL THE ADHESIVE SETS.
- 9. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON AND SHIFT THE HOLE LOCATION TO AVOID THE REINFORCEMENT. PROVIDE A MINIMUM OF 2 ANCHOR DIAMETERS OR 1 INCH, WHICHEVER IS LARGER, OF SOUND CONCRETE BETWEEN THE DOWEL AND THE ABANDONED HOLE. FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT. IF THE ANCHOR OR DOWEL MAY NOT BE SHIFTED AS NOTED ABOVE, THE ENGINEER WILL DETERMINE A NEW LOCATION.
- 10. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH ADHESIVE ANCHORS.

10/5/2020

STRUCTURAL STEEL MISCELLANEOUS ME

- 1. ALL STEEL SHALL BE THE LATEST EDITION O ERECTION OF STRUCTU SEISMIC PROVISIONS F STEEL IS EXPOSED AN AND ERECTION SHALL PRACTICE FOR ARCHITE
- 2. GENERAL CONTRACTOR STEEL AND MISCELLAN SUBCONTRACTORS ARE SUBCONTRACTORS SHA METAL WORK SHOWN
- 3. STRUCTURAL STEEL SH UNLESS NOTED OTHER

ALL WIDE FLANGE

STEEL ANGLES A

DECK CLOSURE SHIM MATERIALS

BEAM SHEAR PL PLATES, ALL OTH

BOLTS

MACHINE BOLTS (USE ONLY WHEF

ANCHOR BOLTS

- THREADED AND
- NUTS FOR BOLTS

HARDENED WASH

UNHARDENED WA

- PLAIN WASHERS
- SPECIFICATIONS. DO NOT CAMBER MEMBERS OCCURRING BELOW ELEVATOR ENTRANCE DOORS.
- SCALE AND OIL.

7. BOLT HOLES IN STEEL SHALL BE STANDARD HOLES, 1/16 INCH LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLT USED. UNLESS NOTED OTHERWISE. BOLT HOLES IN BASE PLATES MAY BE OVERSIZED PER AISC TABLE 14-2 IF WASHERS ARE PROVIDED IN ACCORDANCE WITH AISC TABLE 14-2.

- INCREMENT C₂ FROM AISC TABLE J3.5.
- BE LEFT UNPAINTED.

<u>_AND</u> TAL (ALL_OTHER_S	STEEL)	ME	MECHANICAL ANCHORS						
DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH F AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND RAL STEEL FOR BUILDINGS AND THE LATEST EDITION OF AISC OR STRUCTURAL STEEL BUILDINGS. WHERE THE STRUCTURAL			EXPANSION ANCHORS INTO CONCRETE: HILTI KB TZ GALVANIZED CARBON STEE ESR—1917 REVISED JANUARY 2020) TO BE INSTALLED IN ACCORDANCE WITH REPORT AND MANUFACTURER'S RECOMMENDATIONS. MAINTAIN FULL THREAD ENGAGEMENT FOR NUT AND WASHER.						
	PLANS OR DETAILS, FABRICATION WITH AISC CODE OF STANDARD TURAL STEEL.	2.	IF PT TENDONS ARE PRESENT IN SLAB, LOCATE THE EXISTING TENDONS IN THE BY NONE DESTRUCTIVE MEANS PRIOR TO INSTALLING ANCHORS. DO NOT CUT DAMAGE EXISTING TENDONS. ANY EXISTING TENDONS THAT ARE DAMAGED OR						
TO DETERMINE SCOPE OF WORK FOR BOTH STRUCTURAL EOUS METAL SUBCONTRACTORS (IF MULTIPLE USED). THE COMBINED SCOPE OF WORK FOR ALL LL INCLUDE ALL STRUCTURAL STEEL AND MISCELLANEOUS ON THE CONTRACT DRAWINGS.			SHALL BE REPAIRED. ANY REPAIR WORK WILL REQUIRE OSHPD APPROVAL. IN OF ANY CONFLICT OF LOCATION OF REINF AND/OR TENDON TO THE ANCHOR INSTALLATION CONTRACTOR SHALL ADJUST THE UNIT LAYOUT TO AVOID THE EX TENDONS. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON A SHIFT THE HOLE LOCATION TO AVOID THE REINFORCEMENT. PROVIDE A MINIMU ANCHOR DIAMETERS OR 1 INCH, WHICHEVER IS LARGER, OF SOUND CONCRET						
IALL CONFORM TO ASTM DESIGNATION AS INDICATED BELOW WISE:			BETWEEN THE DOWEL AND THE ABANDONED HOLE. FILL THE ABANDONED NON–SHRINK GROUT. NON–SHRINK GROUT SHALL HAVE A MINIMUM 28 OF 6,000 PSI. USE "SIKA GROUT 212" OR "MASTERFLOW 928". IF THE						
E AND WT SHAPES	A992, GRADE 50		DOWEL MAY NOT BE SHIFTED AS NOTED ABOVE, THE STRUCTURAL ENGINEER 'DETERMINE A NEW LOCATION.						
ND CHANNELS	CHANNELS A36 UNO		. ANCHORS SHALL BE PROOF-TESTED BY OWNER'S TESTING AND INSPECTION						
PLATES AND	A36		OR TESTED IN THE PRESENCE OF THE SPECIAL INSPECTOR. A REPORT OF TRESULTS SHALL BE SUBMITTED TO OSHPD.						
ATES, STIFFENER		4.	TEST ANCHORS NO SOONER THAN 24 HOURS AFTER INSTALLATION.						
IER PLATES	A572, GRADE 50 UNO	5.	REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR						
	A325X		BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAW BASE PLATE OR OTHER FIXTURE. IF RESTRAINT IS FOUND, LOOSEN AND SHIN REMOVE THE FIXTURE PRIOR TO TESTING.						
RE INDICATED)	A307	6.	TEST 50% OF ANCHORS PER THE FOLLOWING METHOD AND IN ACCORDANCE						
	F1554, GRADE 55 S1, HEADED		VALUES SHOWN IN THE TABLE: A. TORQUE WRENCH METHOD: TEST ANCHORS TO THE TORQUE LOAD INDICAT						
HANGER ROD	A572, GR50		THE TABLE WITHIN ONE-HALF TURN OF THE NUT.						
S AND MACHINE BOLTS	A563		EXPANSION ANCHOR EMBEDMENT DEPTH AND TEST LOAD						
ERS	F436	CODI							
SHERS	F844		ANCHOR DIAMETER (h _{ef}) ANCHORS IN CONCRETE MIN EMBED TORQUE						
	ANSI B18.22.1	HP	LIMBLD LOAD (FT-LBS)						

HIGH STRENGTH BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST OPM-0571 EDITION OF AISC SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325. HIGH STRENGTH BOLTS SHALL BE FRICTION TYPE WITH THREADS EXCLUDED FROM THE

FROM THE SHEAR PLANES (I.E. A325-X, SLIP CRITICAL) UNLESS NOTED OTHERWISE 7. IF ANY ANCHOR FAILS TESTING, REPLACE ANCHOR AND TEST ALL ANCHORS OF SAME CATEGORY INSTALLED BY THE SAME TRADE NOT PREVIOUSLY TESTED UN 5. WHEN FABRICATING BEAMS, PLACE NATURAL CAMBER UP. PROVIDE UPWARD CAMBER 05/202TWENTY (20) CONSECUTIVE TESTS PASS, THEN RESUME INITIAL TESTING FREQU TO ALL MEMBERS SHOWN TO HAVE CAMBER. AMOUNT MEASURED IN THE FIELD PRIOR TO ERECTION SHALL NOT DEVIATE BY MORE THAN ALLOWED BY THE AISC

OPM-0571: Reviewed for Code Compliance by William Staehl

INSPECTION / TESTING

1/2"

6. AFTER FABRICATION, ALL STEEL SHALL BE CLEANED FREE OF RUST, LOOSE MILL

8. BOLTS SHALL BE SPACED AT 3" O.C. UNLESS NOTED OTHERWISE. THE DISTANCE FROM THE EDGE OF A STANDARD HOLE TO THE EDGE OF A CONNECTING PART IN ANY DIRECTION SHALL NOT BE LESS THAN 1 1/2" U.N.O. THE EDGE DISTANCE MAYBE 1 1/4" AT THE ENDS OF BEAM CONNECTION ANGLES AND SHEAR END PLATES. THE DISTANCE FROM CENTER OF AN OVERSIZED OR SLOTTED HOLE TO THE EDGE OF A CONNECTING PART SHALL NOT BE LESS THAN THAT REQUIRED FOR A STANDARD HOLE TO THE EDGE OF A CONNECTED PART PLUS THE APPLICABLE

9. ALL STRUCTURAL STEEL SURFACES TO BE WELDED OR HIGH-STRENGTH BOLTED. TO BE ENCASED IN CONCRETE OR TO RECEIVE SPRAY-APPLIED FIREPROOFING SHALL

GAN INDEPENDENT TESTING AGENCY AND SPECIAL INSPECTORS SHALL BE RET. BY THE OWNER TO PERFORM THE TESTS AND INSPECTION AS REQUIRED BY 1704A OF THE CALIFORNIA BUILDING CODE. THE CONTRACTOR SHALL PROVID ACCESS TO THE SPECIAL INSPECTOR TO THE SITE OR FABRICATION SHOPS A SHALL FURNISH SAMPLES OF MATERIALS FOR TESTING AS REQUESTED BY TH TESTING AGENCY AND THE GOVERNING CODE.

2"

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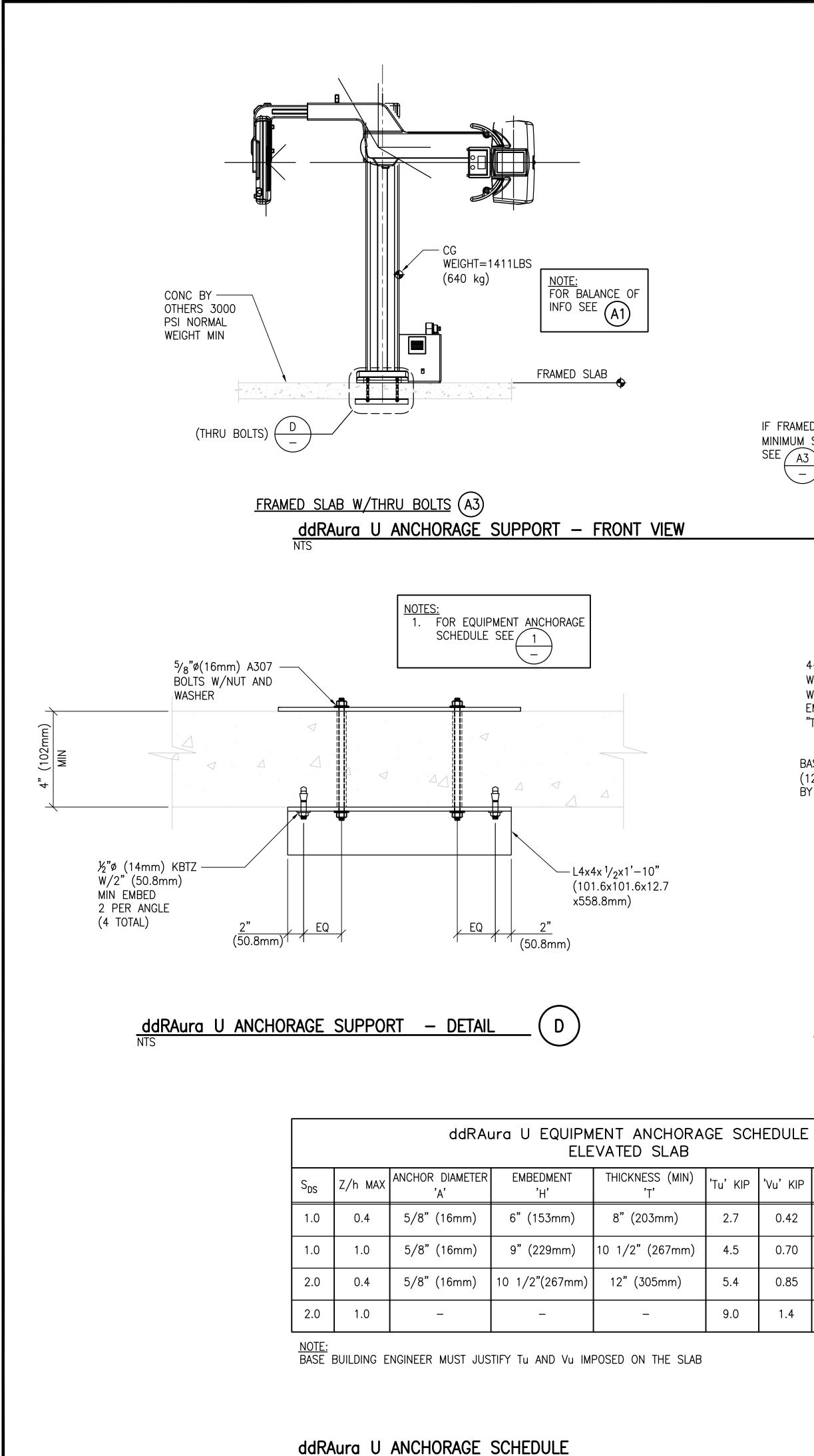
2. IF INITIAL TESTS OR INSPECTIONS MADE BY THE OWNER'S TESTING AGENCY THAT ANY PORTION OF THE WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, ADDITIONAL TESTS, INSPECTIONS, AND NECESSARY REPAIRS WILL MADE AT THE CONTRACTOR'S EXPENSE.

- PROVIDE PERIODIC SPECIAL INSPECTION FOR ALL HILTI KB-TZ, AS REQUIRED THE CHAPTER 17A OF THE CALIFORNIA BUILDING CODE AND ALL APPLICABLE AMENDMENTS.
- PROVIDE CONTINUOUS SPECIAL INSPECTION FOR ALL ADHESIVE ANCHORS PER CHAPTER 17A OF THE CALIFORNIA BUILDING CODE AND ALL APPLICABLE AMMENDMENTS.

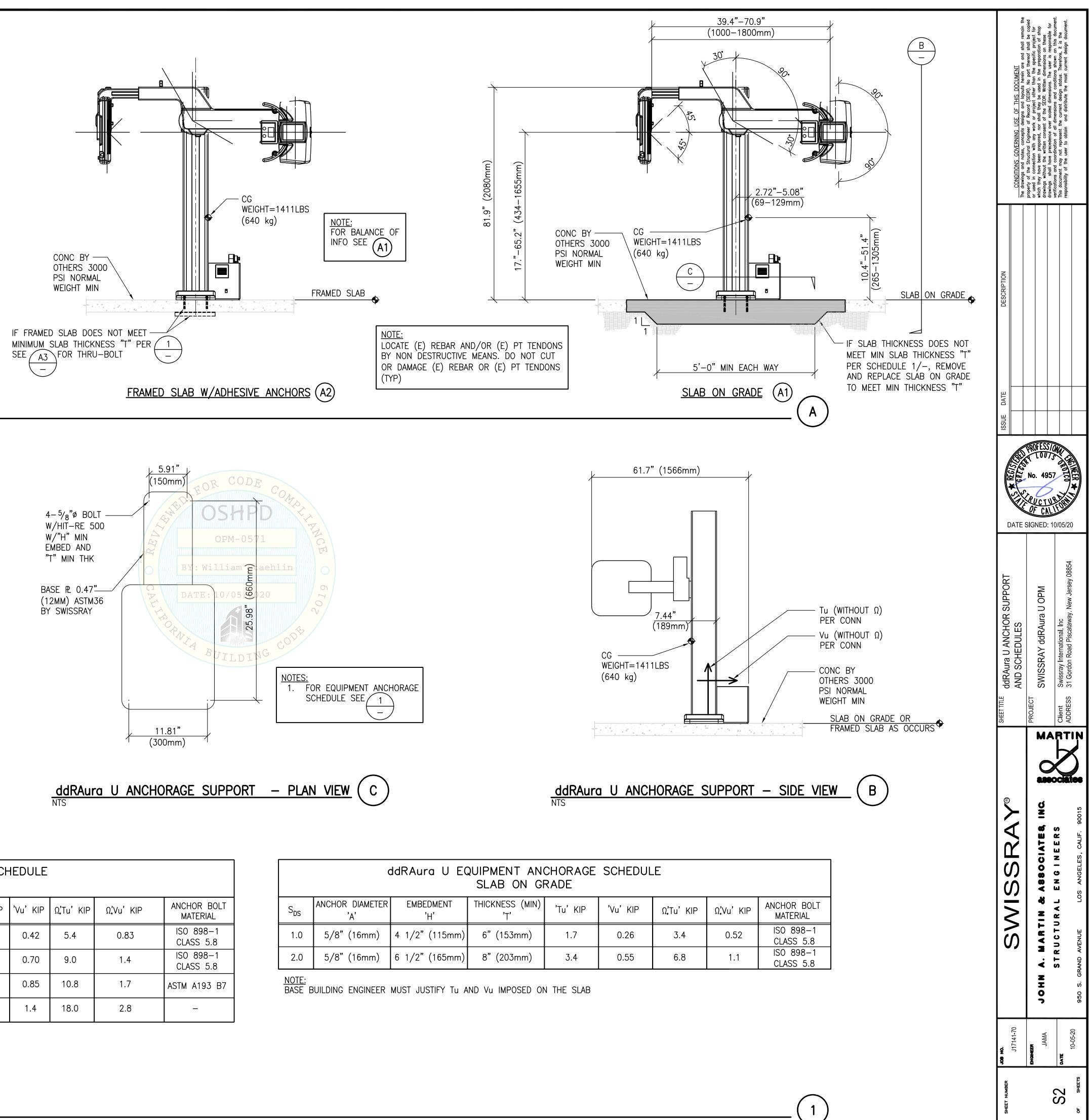
RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD (SEOR)

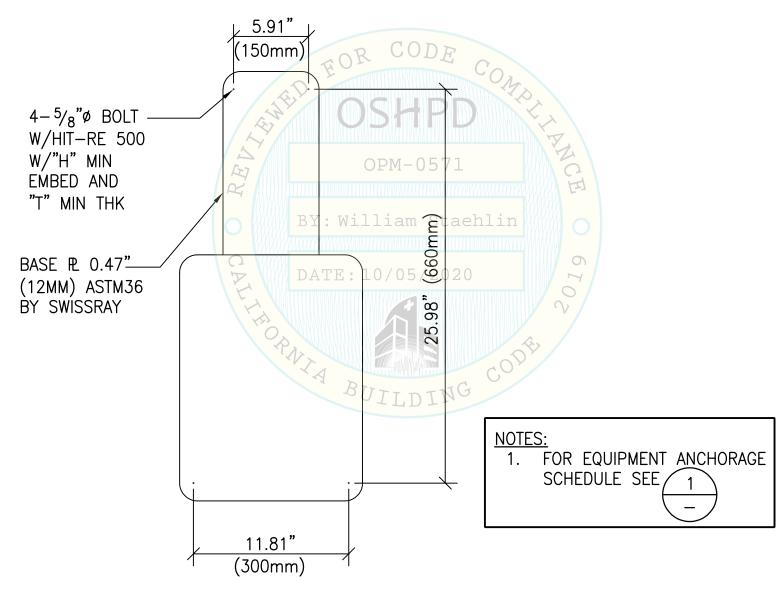
- 1. VERIFY EXISTING SLABS, DECKS, JOISTS AND SOFFITS CAN RESIST LOADS IMPO BY NEW WALL AND BRACE CONNECTIONS IN ADDITION TO THEIR EXISTING LOAI
- 2. VERIFY CONCRETE COMPRESSIVE STRENGTH (f'c) COMPLIES WITH THE MINIMUM SHOWN IN THESE DRAWINGS.
- 3. VERIFY EXISTING SLAB THICKNESS AND EDGE DISTANCES COMPLY WITH THE MINIMUM SHOWN IN THESE DRAWINGS.
- 4. VERIFY THAT ALL EXISTING WOOD MEMBERS WHERE ATTACHMENTS ARE BEING HAVE A SPECIFIC GRAVITY OF AT LEAST 0.50.

	<u>GEI</u>	NERAL	all remain the	nall be copied project for these ponsible for this document. ign document.
IL (ICC ICC	1.	THIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE CBC 2019. THE DEMAND (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE CBC 2019.	DOCUMENT uts herein are and st	3). No part thereof sl ter than the specific jused in the preparatio written dimensions on sions. The user is res conditions shown on in status. Therefore, if the most current des the most current des
IE SLAB OR	2.	THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.	VG USE OF THIS	neer of Record (SEO t work or project oth theore shall they be meen of the SEOR. Se over scaled dimer- f all dimensions and ent the current desi- ptain and distribute
דוור	3.	INFORMATION SHOWN ON THE DRAWINGS RELATED TO EXISTING CONDITIONS REPRESENTS THE PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. REPORT CONDITIONS THAT CONFLICT WITH THE CONTRACT DOCUMENTS TO THE OWNER'S REPRESENTATIVE. DO NOT DEVIATE FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE OWNER'S REPRESENTATIVE.	CONDITIONS GOVERNII	property of the Structural Eng or used in connection with an which they have been prepare drawings without the written or drawings shall have preceden verifications and coordination This document may not repres responsibility of the user to o
E WITH TRENGTH	4.	DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DRAWINGS. DRAWINGS SHALL NOT BE SCALED.		
OR OR WILL	5.	TYPICAL DETAILS AND GENERAL NOTES APPLY TO ALL PARTS OF THE WORK, EXCEPT WHERE SPECIFICALLY DETAILED OR UNLESS NOTED OTHERWISE. THESE DETAILS ARE NOT SPECIFICALLY REFERENCED WHERE THEY OCCUR.	Z	
GENCY E TEST OR	6.	NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NOTES AND DETAILS ON DRAWINGS AND THESE GENERAL NOTES AND TYPICAL DETAILS ARE IN CONFLICT WITH THE PROJECT SPECIFICATIONS THE MOST STRINGENT SHALL APPLY. CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE CONSTRUCTED AS SHOWN FOR SIMILAR WORK.	DESCRIPTION	
G BY A OR	7.	ALL WORK SHALL CONFORM TO THE STANDARDS OF THE FOLLOWING:		
VITH THE		CALIFORNIA BUILDING CODE, 2019 EDITION ASCE 7–16 INCLUDING SUPPLEMENT 1.		
ED IN		AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING BUT NOT LIMITED TO CAL/OSHA, DIVISION OF OCCUPATIONAL SAFETY AND HEALTH, AND THOSE CODES AND STANDARDS LISTED IN THE CONTRACT DOCUMENTS.	ISSUE DATE	
	8.	CODES, AND STANDARDS NOTED IN THE CONTRACT DOCUMENTS SHALL BE OF THE LATEST APPROVED ISSUE, INCLUDING SUPPLEMENTS, UNLESS OTHERWISE NOTED. MATERIAL SPECIFICATIONS SHALL COMPLY WITH ASTM REFERENCED STANDARDS LATEST EDITION.	* RECS	ROFESS/044 L0075 No. 4957
	9.	CONTRACTOR SHALL CAREFULLY REVIEW THE DRAWINGS TO IDENTIFY THE EXTENT OF THE SCOPE OF WORK. VISIT THE SITE TO RELATE THE SCOPE OF WORK TO EXISTING CONDITIONS AND DETERMINE THE EXTENT TO WHICH THOSE CONDITIONS AND PHYSICAL SURROUNDINGS WILL IMPACT THE WORK.	DATE	SIGNED: 10/05/20
THE TIL JENCY.	10.	SEISMIC DESIGN LOADS BASED ON 2019 CBC 1613A & ASCE 7–16 13.3, RISK CATEGORY IV, IMPORTANCE FACTOR IP = 1.5, COMPONENT AMPLIFICATION/RESPONSE FACTOR ap = 1.0 / Rp = 2.5, OVERSTRENGTH FACTOR Ω_0 = 2.0 (CONCRETE DESIGN ONLY), MAXIMUM ALLOWABLE S _{DS} AND z/h VALUES VARY SEE DETAILS ON PLAN.		J OPM New Jersey 08854
	11.	FOR PROJECTS WHERE THE SDS AND z/h VALUES ARE GREATER THAN THE VALUES LISTED IN THE TABLES ON PLAN, CONTACT SWISSRAY FOR AN ALTERNATIVE ENGINEERING SOLUTION.	ES	
AINED SECTION E AND IE			SHEET TITLE GENERAL NOTES	PROJECT SWISSRAY ddRAura Client Swissray International, Inc ADDRESS 31 Gordon Road Piscataway
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10/5/2020



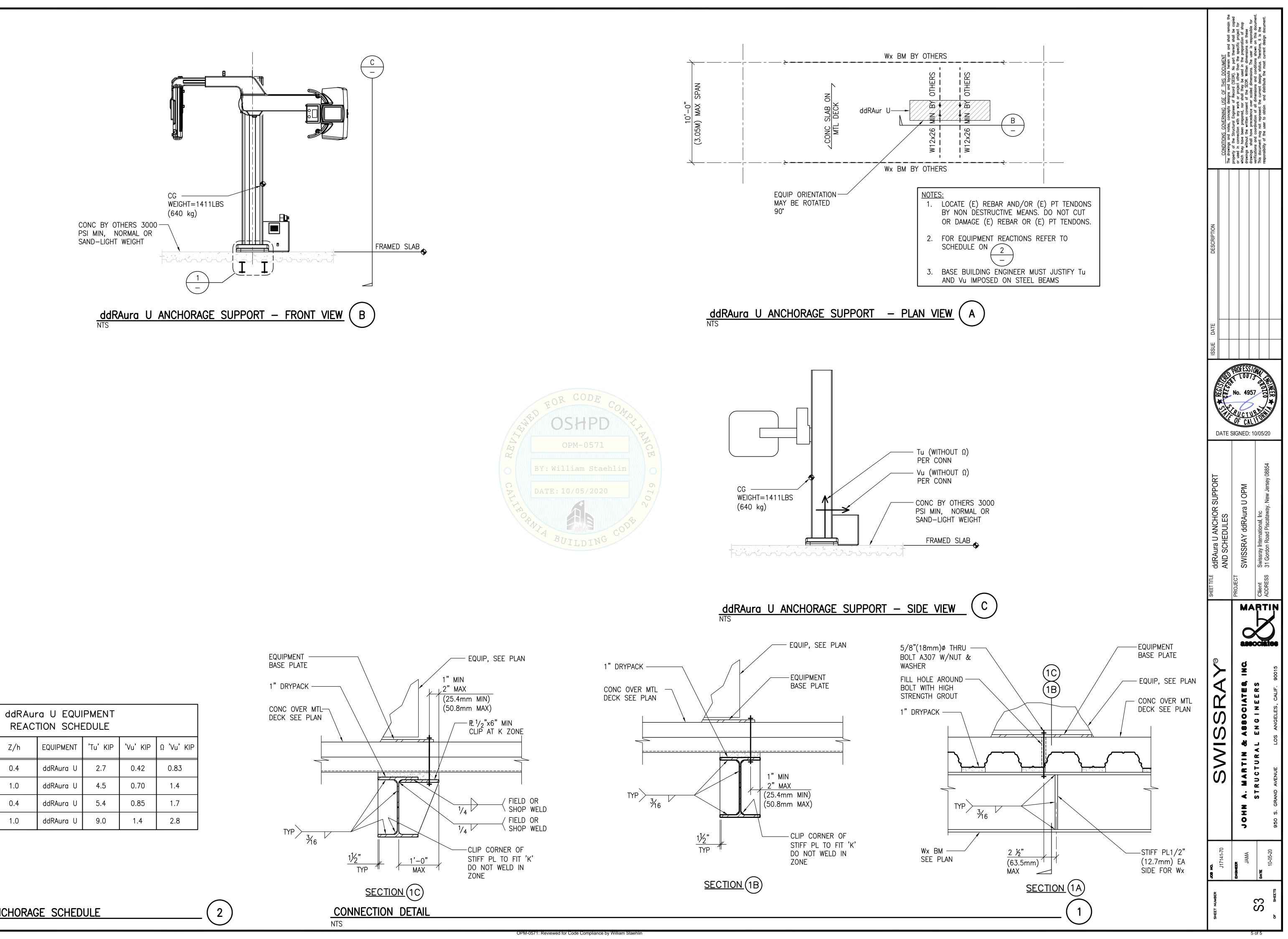


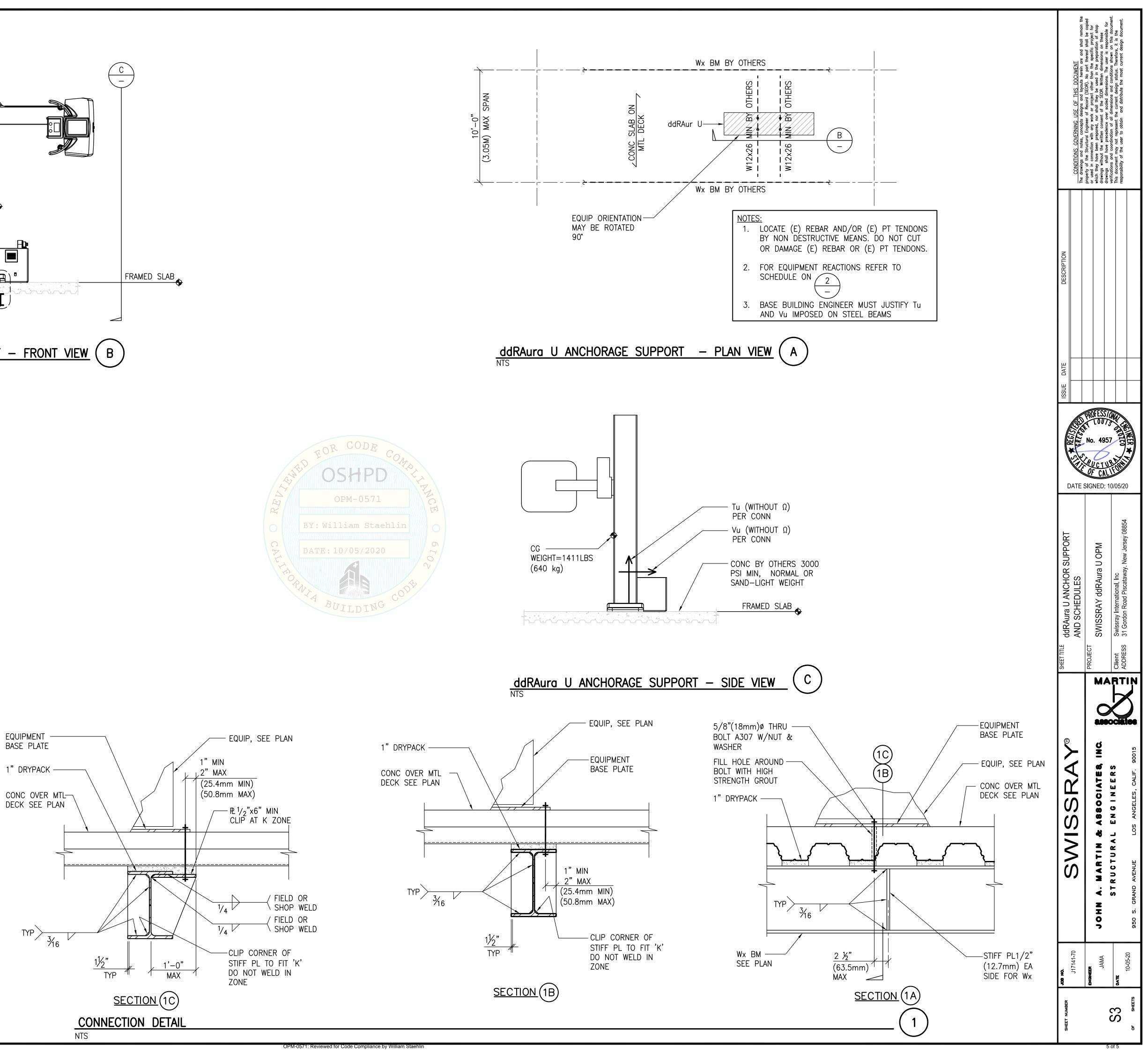
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NTS	

ddRAura U EQUIPMENT ANCHOF SLAB ON GRADE									
S _{DS}	ANCHOR DIAMETER 'A'	EMBEDMENT 'H'	THICKNESS (MIN) 'T'	'Tu' Kl					
1.0	5/8" (16mm)	4 1/2" (115mm)	6" (153mm)	1.7					
2.0	5/8" (16mm)	6 1/2" (165mm)	8" (203mm)	3.4					
NOTE:	-								

BASE BUILDING ENGINEER MUST JUSTIFY TU AND VU IMPOSED ON THE S	<u>NUIL.</u>											
	BASE	BUILDING	ENGINEER	MUST	JUSTIFY	Tu	AND	Vu	IMPOSED	ON	THE	Sl

'Tu' KIP	'Vu' KIP	Ω, Tu' KIP	Ω .' Vu' KIP	ANCHOR BOLT MATERIAL
2.7	0.42	5.4	0.83	ISO 898–1 CLASS 5.8
4.5	0.70	9.0	1.4	ISO 898–1 CLASS 5.8
5.4	0.85	10.8	1.7	ASTM A193 B7
9.0	1.4	18.0	2.8	_





ddRAura U ANCHORAGE SCHEDULE

Z/h

0.4

1.0

0.4

1.0

S_{DS}

1.0

1.0

2.0

2.0

10/5/2020