



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

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

OFFICE USE ONLY

APPLICATION #: OPM-0187

OSHPD Preapproval of Manufacturer's Certification (OPM)

Type: New Renewal/Update

Manufacturer Information

Manufacturer: Omniceil, Inc.

Manufacturer's Technical Representative: Todd Kijowski

Mailing Address: 51 Pennwood Place, Suite 400, Warrendale, PA 15086

Telephone: (724) 741-7777 Email: Todd.Kijowski@omnicell.com

Product Information

Product Name: YUYAMA TABLET PACKAGING SYSTEM

Product Type: Automated Tablet Packager

Product Model Number: Models 260, 336, and 520

General Description: Automated tablet package dispensing machine

Applicant Information

Applicant Company Name: Omincell, Inc

Contact Person: Todd Kijowski

Mailing Address: 51 Pennwood Place, Suite 400, Warrendale, PA 15086

Telephone: (724) 741-7777 Email: Todd.Kijowski@omnicell.com

Title: Engineer V

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

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY



OSHPD



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Registered Design Professional Preparing Engineering Recommendations

Company Name: DEGENKOLB ENGINEERS

Name: Chad Closs

California License Number: S5946

Mailing Address: 225 Broadway, Suite 1325, San Diego, CA 92101

Telephone: (858) 699-5412

Email: ccloss@degenkolb.com

OSHPD 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, 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.

Analysis

Experience Data

Combination of Testing, Analysis, and/or Experience Data (Please Specify): _____

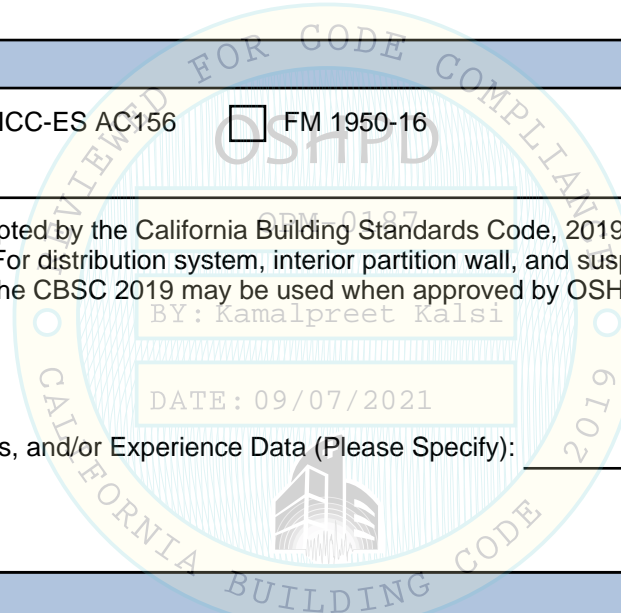
OSHPD Approval

Date: 9/7/2021

Name: Kamalpreet Kalsi

Title: Senior Structural Engineer

Condition of Approval (if applicable): _____





**OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION
OPM-0187-19**

DEGENKOLB ENGINEERS
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San Diego, CA 92101
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OMNICELL
YUYAMA MODELS 260, 336, AND 520

GENERAL NOTES:

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.
2. PRE-APPROVED DESIGN AND MATERIALS CONFORM WITH THE 2019 EDITION OF THE CALIFORNIA BUILDING CODE. DETAILS WITHIN THIS APPROVAL MAY BE USED ANYWHERE IN THE STATE OF CALIFORNIA WHERE $S_{ds} \leq 2.5$
3. SEISMIC FORCES ON EQUIPMENT DETERMINED PER THE 2019 CBC & ASCE 7-16 SECTION 13.3. ALL LOADS IN THIS PRE-APPROVAL ARE AT STRENGTH LEVEL AND SHALL BE USED FOR STRENGTH DESIGN.
 - a. CASE 1 (EQUIPMENT ABOVE GRADE TO ROOF):
 $S_{ds}=2.5, a_p=1.0, R_p=1.5, I_p=1.5, \Omega_o=1.5,$
 $z/h \leq 1.0$ i. $F_p=3.00W_p, F_v=0.50W_p$
 - b. CASE 2 (EQUIPMENT AT OR BELOW GRADE):
 $S_{ds}=2.5, a_p=1.0, R_p=1.5, I_p=1.5, z/h = 0.0, \Omega_o=1.5$
i. $F_p=1.13W_p, F_v=0.50W_p$
4. THE STRUCTURAL ENGINEER-OF-RECORD (S.E.O.R.) IS RESPONSIBLE FOR THE FOLLOWING:
 - a. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY SLAB OPENINGS OR EDGES.
 - b. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY NEW OR EXISTING ANCHORS.
 - c. DESIGN ANY SUPPLEMENTARY MEMBERS AND THEIR ATTACHMENTS WHICH THE UNIT IS ANCHORED TO. VERIFY THE ADEQUACY OF ANY EXISTING MEMBERS AND THEIR ATTACHMENTS WHICH THE UNIT IS ANCHORED TO FOR THE FORCES EXERTED ON THEM BY THE UNIT IN ADDITION TO ALL OTHER LOADS AND FORCES.
 - d. VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2019 CBC AND WITH THE DETAILS SHOWN IN THIS PRE-APPROVAL. VERIFY THAT THE EQUIPMENT'S ACTUAL WEIGHT, CG LOCATION, ANCHOR LOCATIONS, ANCHOR DETAILS AND THE MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE FORMATION SHOWN IN THIS PRE-APPROVAL.

5. STRUCTURAL ENGINEER-OF-RECORD (S.E.O.R.) SHALL EVALUATE BRACKET ANCHORAGE FOR CONDITIONS THAT VARY FROM THIS PRE-APPROVAL.
6. CONTRACTOR/INSPECTOR OF RECORD MUST VERIFY ANCHOR SPACING TO EXISTING ADJACENT ANCHORS IS TO BE GREATER THAN 8".
7. THIS OPM COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE UNIT TO THE STRUCTURE
8. EXPANSION OR WEDGE ANCHORS INTO CONCRETE: HILTI KB-TZ2 (ICC ESR-4266). INSTALL ANCHORS IN ACCORDANCE WITH THE ICC REPORT AND MANUFACTURER'S RECOMMENDATIONS. TEST AT LEAST 50% OF ANCHORS NO SOONER THAN 24 HOURS AFTER INSTALLATIONS. TESTS SHALL BE CONDUCTED IN THE PRESENCE OF THE INSPECTOR OF RECORD (IOR) AND A REPORT OF THE TEST SHALL BE SUBMITTED TO OSHPD.

11. FOR BOLTS THROUGH CONCRETE ON METAL DECK
 - A. BOLTS SHALL BE TORQUED BY 3/4 TURN OF THE NUTS AFTER THE SNUG TIGHT CONDITION (SNUG TIGHT CONDITION IS DEFINED AS THE TIGHTNESS REQUIRED TO BRING THE CONNECTED PLIES INTO FIRM CONTACT) IS ACHIEVED.
 - B. THROUGH BOLTS IN CONCRETE SHALL RECEIVE SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH REQUIREMENTS FOR POST-INSTALLED ANCHORS.
12. INSTALLATION PROCEDURE:
 - a. MOUNT BASE ANGLE PROVIDED BY OMNICELL TO FLOOR WITH THROUGH BOLTS.
 - b. POSITION UNIT WITH RESPECT TO BASE ANGLES. DOWEL INTO UNIT AS SHOWN.

TEST PER THE FOLLOWING METHOD:

- a. TORQUE WRENCH TEST: TEST ANCHORS TO THE REQUIRED TORQUE LOAD GIVEN IN TABLE BELOW WITHIN THE LIMIT OF ONE-HALF TURN OF THE NUT.

BY: Kamalpreet Kalsi

ANCHOR TEST LOAD VALUES						
ANCHOR TYPE	ANCHOR DIAMETER	EMBED _{hef}	TORQUE LOAD (FT-LBS)	CONCRETE TYPE	f _c MIN (PSI)	MINIMUM SPACING AND EDGE DIST. REQ.
HILTI KB-TZ2	5/8"	3-1/4"	40	NORMAL WEIGHT	3,000	14"
HILTI KB-TZ2	3/8"	2"	30	SAND LIGHT WEIGHT	3,000	14"

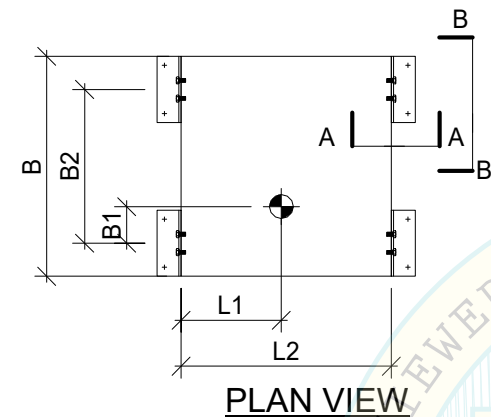
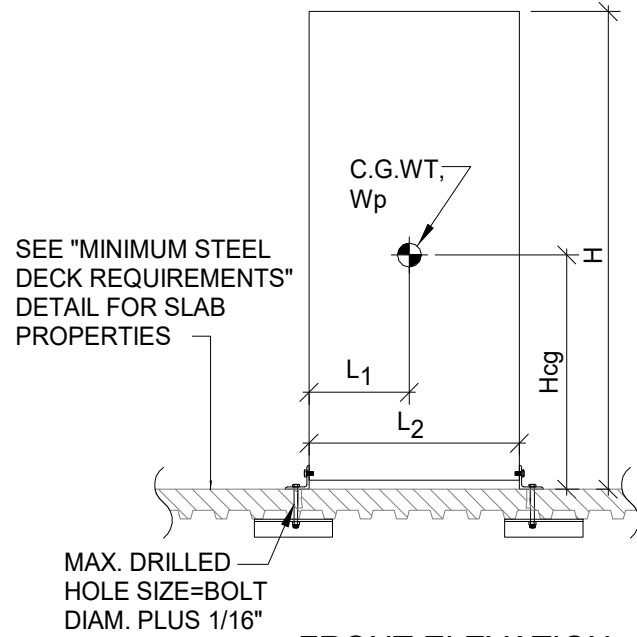
9. IF ANY ANCHOR FAILS DURING TESTING, UNIT MUST BE MOVED SO THAT NO ANCHOR IS WITHIN 8" OF AN ABANDONED ANCHOR.
10. A MANUFACTURER PROVIDED PERMANENT PLAQUE MUST BE AFFIXED ON THE UNIT STATING THE FOLLOWING: "WEIGHT OF CONTENTS SHALL NOT EXCEED 10 PCF". DESIGNED WEIGHT OF CONTENTS IS 20 PCF. VERIFY IN FIELD BEFORE INSTALLATION.



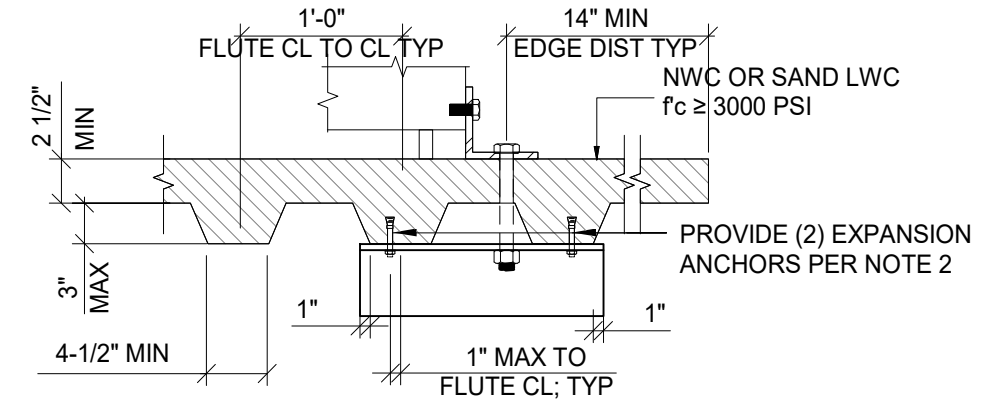
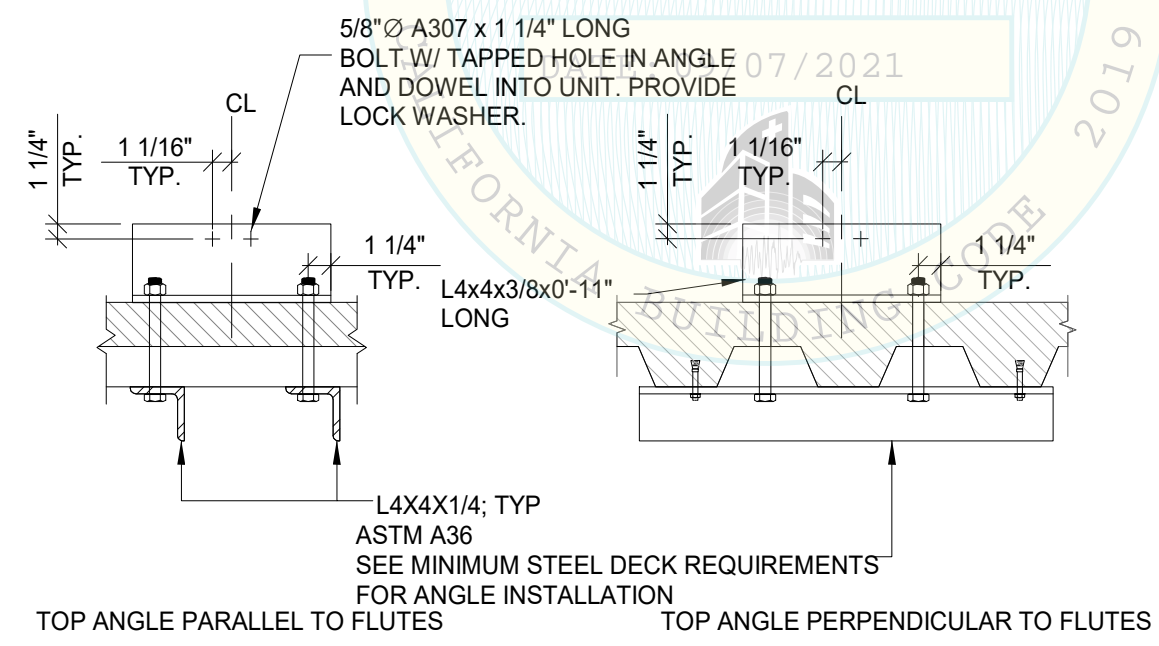
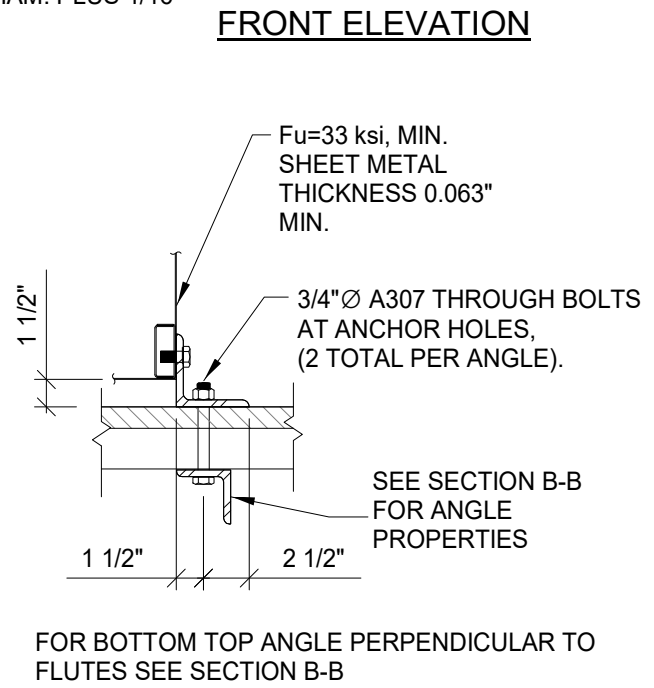
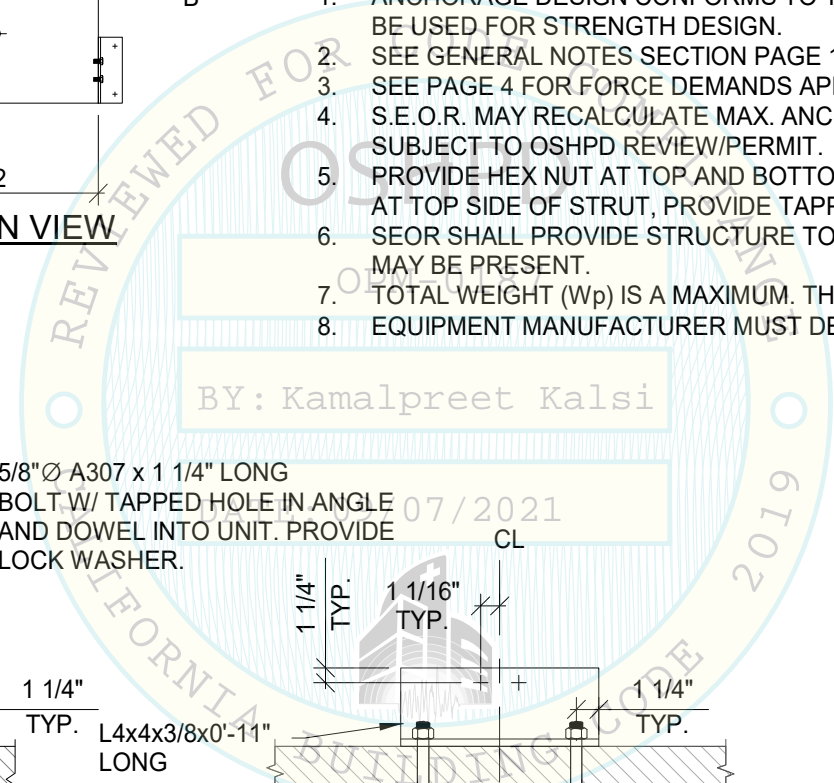
OMNICELL
YUYAMA MODELS 260, 336, AND 520

CASE 1 - EQUIPMENT ABOVE GRADE

OMNICELL	Wp (LBS)	L ₁ (IN)	L ₂ (IN)	B (IN)	B ₁ (IN)	B ₂ (IN)	H (IN)	Hcg (IN)
MODEL 260:	1530	16.7	35.0	36.6	6.1	25.6	78.7	36.7
MODEL 336:	1930	23.5	50.8	36.6	7.9	25.6	78.7	38.0
MODEL 520:	3007	35.0	70.0	36.6	9.0	25.6	78.7	38.6



- NOTES:**
1. ANCHORAGE DESIGN CONFORMS TO THE 2019 CALIFORNIA BUILDING CODE. FORCES GIVEN ARE FACTORED LOADS THAT SHALL BE USED FOR STRENGTH DESIGN.
 2. SEE GENERAL NOTES SECTION PAGE 1.
 3. SEE PAGE 4 FOR FORCE DEMANDS APPLIED TO THE SUPPORTS AND ATTACHMENTS.
 4. S.E.O.R. MAY RECALCULATE MAX. ANCHOR FORCES AT THEIR DISCRETION BASED ON PROJECT SPECIFIC SEISMIC DEMANDS. SUBJECT TO OSHPD REVIEW/PERMIT.
 5. PROVIDE HEX NUT AT TOP AND BOTTOM OF STRUT FLANGE, TYP., U.O.N. AT CONDITIONS WHERE NUT CANNOT BE PROVIDED AT TOP SIDE OF STRUT, PROVIDE TAPPED HOLE THROUGH STRUT FLANGE.
 6. SEOR SHALL PROVIDE STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN COMBINATION WITH ALL OTHER LOADS THAT MAY BE PRESENT.
 7. TOTAL WEIGHT (Wp) IS A MAXIMUM. THIS PREAPPROVAL ENCOMPASSES ALL WEIGHTS UP TO THE MAXIMUM SHOWN.
 8. EQUIPMENT MANUFACTURER MUST DESIGN UNIT TO MAKE Hcg EQUAL OR LESS THAN THE HEIGHT DIMENSION SHOWN.



- MINIMUM STEEL DECK REQUIREMENTS NOTES:**
1. PROVIDE 14" MINIMUM DISTANCE TO EDGE OF SLAB OR OPENINGS
 2. PROVIDE (2) 3/8" Ø HILTI KB-T22 W/ 2" EMBED EXPANSION ANCHORS TO SUPPORT ANGLE. INSTALL ON THE SLAB RIB INDEPENDENT FROM THROUGH BOLTS. EXTEND ANGLE AS REQUIRED. DO NOT INSTALL EXPANSION ANCHORS IN SLAB RIBS WHERE THROUGH BOLTS ARE PRESENT
 3. W-STEEL METAL DECK TO BE 20 GA MIN.

SECTION A-A

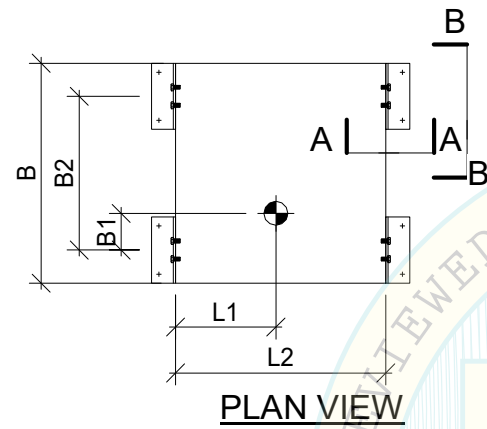
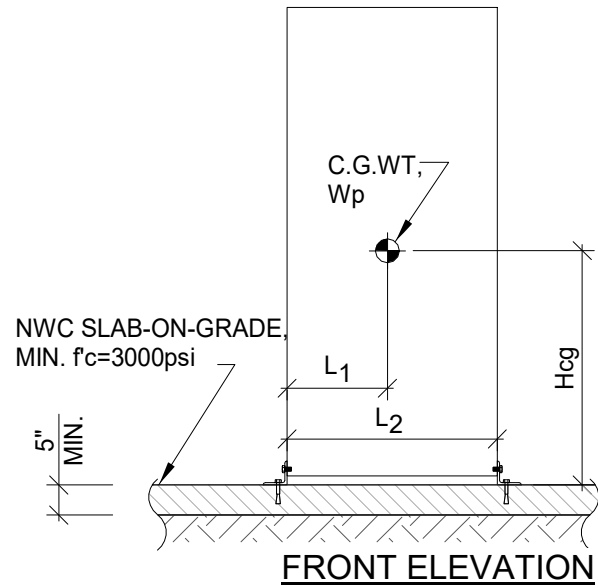
SECTION B-B

MINIMUM STEEL DECK REQUIREMENTS



OMNICELL
YUYAMA MODELS 260, 336, AND 520

CASE 2 - EQUIPMENT AT OR BELOW GRADE



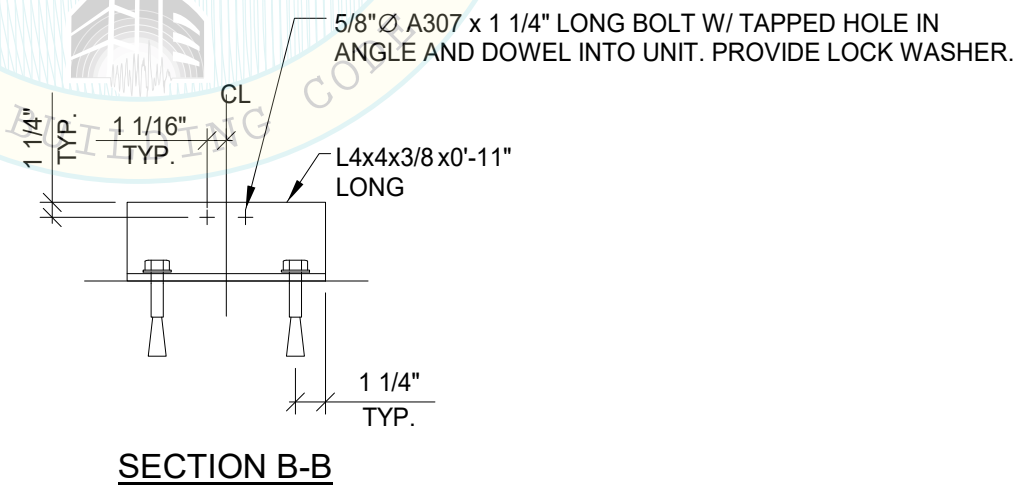
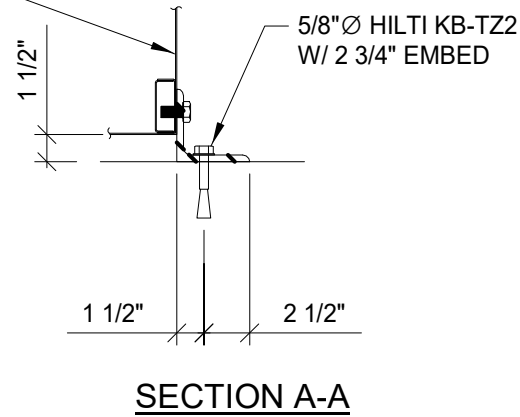
OMNICELL	Wp (LBS)	L ₁ (IN)	L ₂ (IN)	B (IN)	B ₁ (IN)	B ₂ (IN)	H (IN)	Hcg (IN)
MODEL 260:	1530	16.7	35.0	36.6	6.1	25.6	78.7	36.7
MODEL 336:	1930	23.5	50.8	36.6	7.9	25.6	78.7	38.0
MODEL 520:	3007	35.0	70.0	36.6	9.0	25.6	78.7	38.6

NOTES:

- ANCHORAGE DESIGN CONFORMS TO THE 2019 CALIFORNIA BUILDING CODE. FORCES GIVEN ARE FACTORED LOADS THAT SHALL BE USED FOR STRENGTH DESIGN.
- SEE GENERAL NOTES SECTION PAGE 1.
- SEE PAGE 4 FOR FORCE DEMANDS APPLIED TO THE SUPPORTS AND ATTACHMENTS.
- S.E.O.R. MAY RECALCULATE MAX. ANCHOR FORCES AT THEIR DISCRETION BASED ON PROJECT SPECIFIC SEISMIC DEMANDS. SUBJECT TO OSHPD REVIEW/PERMIT.
- PROVIDE HEX NUT AT TOP AND BOTTOM OF STRUT FLANGE, TYP., U.O.N. AT CONDITIONS WHERE NUT CANNOT BE PROVIDED AT TOP SIDE OF STRUT, PROVIDE TAPPED HOLE THROUGH STRUT FLANGE.
- SEOR SHALL PROVIDE STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN COMBINATION WITH ALL OTHER LOADS THAT MAY BE PRESENT.
- TOTAL WEIGHT (Wp) IS A MAXIMUM. THIS PREAPPROVAL ENCOMPASSES ALL WEIGHTS UP TO THE MAXIMUM SHOWN.
- EQUIPMENT MANUFACTURER MUST DESIGN UNIT TO MAKE Hcg EQUAL OR LESS THAN THE HEIGHT DIMENSION SHOWN.

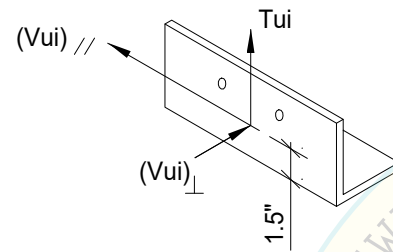
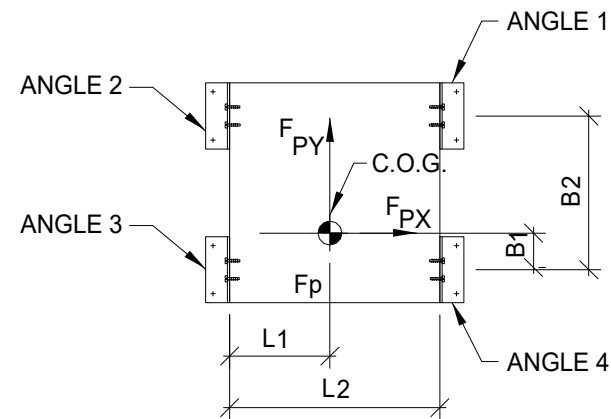
DATE : 09/07/2021

Fu=33 ksi, MIN. SHEET METAL THICKNESS:
MODEL 260, 520: 3 LAYERS, EACH 0.063" THK
MODEL 336: 0.063"



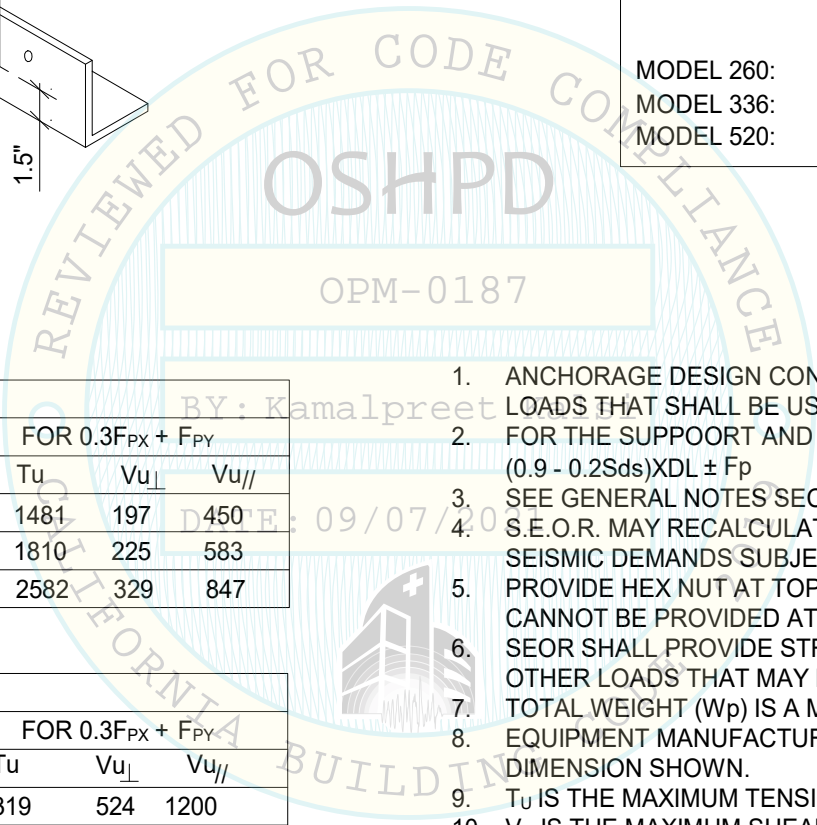


OMNICELL
YUYAMA MODELS 260, 336, AND 520



DIMENSIONAL DATA

	Wp (LBS)	L 1 (IN)	L 2 (IN)	B 1 (IN)	B 2 (IN)	Hcg (IN)
MODEL 260:	1530	16.7	35.0	6.1	25.6	36.7
MODEL 336:	1930	23.5	50.8	7.9	25.6	38.0
MODEL 520:	3007	35.0	70.0	9.0	25.6	38.6



FORCES WHEN Z/H = 0.0 (LBS)

	FOR F _P X		FOR F _P Y		FOR F _{PX} + 0.3 F _{PY}			FOR 0.3F _{PX} + F _{PY}		
	Tu	Vu _⊥	Tu	Vu	Tu ₁	Vu _⊥	Vu	Tu	Vu _⊥	Vu
MODEL 260:	1159	656	1069	450	1541	656	135	1481	197	450
MODEL 336:	864	751	1473	583	1384	751	175	1810	225	583
MODEL 520:	873	1097	2220	847	1640	1097	254	2582	329	847

FORCES WHEN Z/H ≤ 1.0 (LBS)

	FOR F _P X		FOR F _P Y		FOR F _{PX} + 0.3 F _{PY}			FOR 0.3F _{PX} + F _{PY}		
	Tu ₁	Vu _⊥	Tu	Vu	Tu ₁	Vu _⊥	Vu	Tu	Vu _⊥	Vu
MODEL 260:	3445	1748	3219	1200	4477	1748	360	4319	524	1200
MODEL 336:	2736	2002	4360	1556	4121	2002	467	5285	601	1556
MODEL 520:	2887	2925	6476	2258	4930	2925	677	7443	877	2258

1. ANCHORAGE DESIGN CONFORMS TO THE 2019 CALIFORNIA BUILDING CODE. FORCES GIVEN ARE FACTORED LOADS THAT SHALL BE USED FOR STRENGTH DESIGN.
2. FOR THE SUPPORT AND ATTACHMENT DESIGN, THE MOST CRITICAL LOAD COMBINATION IS (0.9 - 0.2S_{ds})XDL ± F_p
3. SEE GENERAL NOTES SECTION PAGE 1.
4. S.E.O.R. MAY RECALCULATE MAX. ANCHOR FORCES AT THEIR DISCRETION BASED ON PROJECT SPECIFIC SEISMIC DEMANDS SUBJECT TO OSHPD REVIEW/PERMIT.
5. PROVIDE HEX NUT AT TOP AND BOTTOM OF STRUT FLANGE, TYP., U.O.N. AT CONDITIONS WHERE NUT CANNOT BE PROVIDED AT TOP SIDE OF STRUT, PROVIDE TAPPED HOLE THROUGH STRUT FLANGE.
6. SEOR SHALL PROVIDE STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN COMBINATION WITH ALL OTHER LOADS THAT MAY BE PRESENT.
7. TOTAL WEIGHT (W_p) IS A MAXIMUM. THIS OPM ENCOMPASSES ALL WEIGHTS UP TO THE MAXIMUM SHOWN.
8. EQUIPMENT MANUFACTURER MUST DESIGN UNIT TO MAKE Hcg EQUAL OR LESS THAN THE HEIGHT DIMENSION SHOWN.
9. T_u IS THE MAXIMUM TENSION CALCULATED FOR EACH LOAD CASE FOR ALL ANGLES
10. V_u IS THE MAXIMUM SHEAR FORCE CALCULATED FOR EACH LOAD CASE FOR ALL ANGLES
11. T_u, V_{u⊥} AND V_{u||} FORCES SHOWN ON THE TABLES ARE AT STRENGTH LEVEL AND HAVE NOT BEEN AMPLIFIED BY Ω_o. FOR ANCHORAGE TO CONCRETE LOADS ARE REQUIRED TO BE AMPLIFIED BY Ω_o.