



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

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

OFFICE USE ONLY

APPLICATION #: OPM-0187-13

OSHPD Preapproval of Manufacturer's Certification (OPM)

Type: ☐ New ☐ Renewal ☒ Update to Pre-CBC 2013 OPA Number: OPA-2605-10

Manufacturer Information

Manufacturer: Omnicell, Inc.

Manufacturer's Technical Representative: Chris Muir

Mailing Address: 590 E. Middlefield Road, Mountain View, CA 94043

Telephone: 650-251-6329

Email: chrism@omnicell.com

Product Information

Product Name: Yuyama Tablet Packaging System

Product Type: Automated tablet packager OPM-0187-13

Product Model Number: Models 260, 336 and 520

General Description: Automated tablet package dispensing machine.

Applicant Information

Applicant Company Name: Omnicell, Inc.

Contact Person: Chris Muir

Mailing Address: 590 E. Middlefield Road, Mountain View, CA 94043

Telephone: 650-251-6329

Email: chrism@omnicell.com

I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2013.

Signature of Applicant:

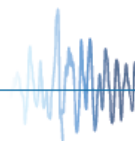
Date: 1/7/2014

Title: Design Engineer

Company Name: Omnicell, Inc.

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

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY
OSH-FD-700 (REV 3/13/14)



osHPD

Page 1 of 2



**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

Registered Design Professional Preparing Engineering Recommendations

Company Name: Degenkolb Engineers

Name: Adrian Nacamuli California License Number: SE 4857

Mailing Address: 1300 Clay Street, Suite 900, Oakland, CA 94612

Telephone: 510-250-1216 Email: anacamuli@degenkolb.com

OSHPD Special Seismic Certification Preapproval (OSP)

- ☐ Special Seismic Certification is preapproved under OSP-
(Separate application for OSP is required)
- ☒ Special Seismic Certification is not preapproved

Certification Method(s)

- ☐ Testing in accordance with: ☐ ICC-ES AC156 ☐ FM 1950-10
- ☐ Other* (Please Specify): _____

*Use of criteria other than those adopted by the California Building Standards Code, 2013 (CBSC 2013) 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 2013 may be used when approved by OSHPD prior to testing.

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

List of Attachments Supporting the Manufacturer's Certification

- ☐ Test Report ☒ Drawings ☒ Calculations ☐ Manufacturer's Catalog
- ☐ Other(s) (Please Specify): _____

OFFICE USE ONLY – OSHPD APPROVAL VALID FOR CBC 2013 ONLY

Signature: William Staehlin Date: 04/21/2015

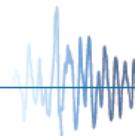
Print Name: William Staehlin

Title: SSE

Condition of Approval (if applicable): _____

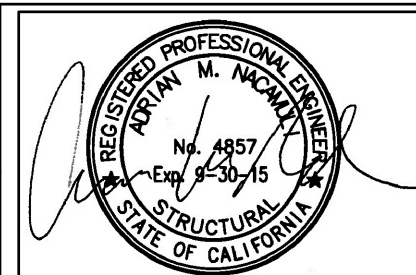
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY
OSH-FD-700 (REV 3/13/14)



oshpd

Page 2 of 2



OMNICELL
YUYAMA MODELS 260, 336 AND 520

GENERAL NOTES:

1. THIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE CBC 2013. THE DEMAND (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE CBC 2013.
2. PRE-APPROVED DESIGN AND MATERIALS CONFORM WITH THE 2013 EDITION OF THE CALIFORNIA BUILDING CODE. DETAILS WITHIN THIS APPROVAL MAY BE USED ANYWHERE IN THE STATE OF CALIFORNIA WHERE $S_d \leq 2.5$.
3. SEISMIC FORCES ON EQUIPMENT DETERMINED PER THE 2013 CBC & ASCE 7-10 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): $S_d=2.5$, $a_p=1.0$, $R_p=1.5$, $I_p=1.5$, $\Omega_o=1.5$, $z/h \leq 1.0$
 - i. $F_p=3.00W_p$, $F_v=0.50W_p$
 - b. CASE 2 (EQUIPMENT AT OR BELOW GRADE): $S_d=2.5$, $a_p=1.0$, $R_p=1.5$, $I_p=1.5$, $z/h = 0.0$, $\Omega_o=1.5$
 - 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 2013 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 ADJACENT EQUIPMENT IS TO BE GREATER THAN 14".
7. THIS OPM COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE UNIT TO THE STRUCTURE
8. EXPANSION OR WEDGE ANCHORS INTO CONCRETE: HILTI KB-TZ (ICC ESR-1917). 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.

TEST PER ONE OF THE FOLLOWING METHODS:

- a. DIRECT PULL TENSION TEST. ANCHOR IS ACCEPTABLE IF NO MOVEMENT IS OBSERVED AT THE TEST LOAD GIVEN IN TABLE BELOW. MOVEMENT MAY BE DETERMINED WHEN THE WASHER UNDER THE NUT BECOMES LOOSE.
- b. TORQUE WRENCH TEST: TEST ANCHORS TO THE REQUIRED TORQUE LOAD GIVEN IN TABLE BELOW WITHIN THE LIMIT OF ONE-HALF TURN OF THE NUT.

ANCHOR TEST LOAD VALUES							
ANCHOR TYPE	ANCHOR DIAMETER	EMBED h_{ef}	TENSION LOAD (LBS)	TORQUE LOAD (FT-LBS)	CONCRETE TYPE	f'_c MIN (PSI)	MINIMUM SPACING AND EDGE DIST. REQ.
HILTI KB-TZ	5/8"	3-1/8"	3,125	60	NORMAL WEIGHT	3,000	14"
HILTI KB-TZ	3/8"	2"	SEE NOTE a	25	SAND LIGHT WEIGHT	3,000	14"

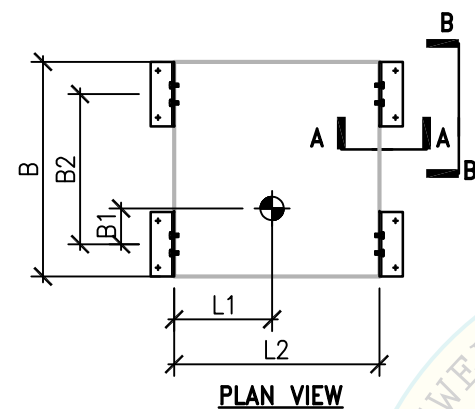
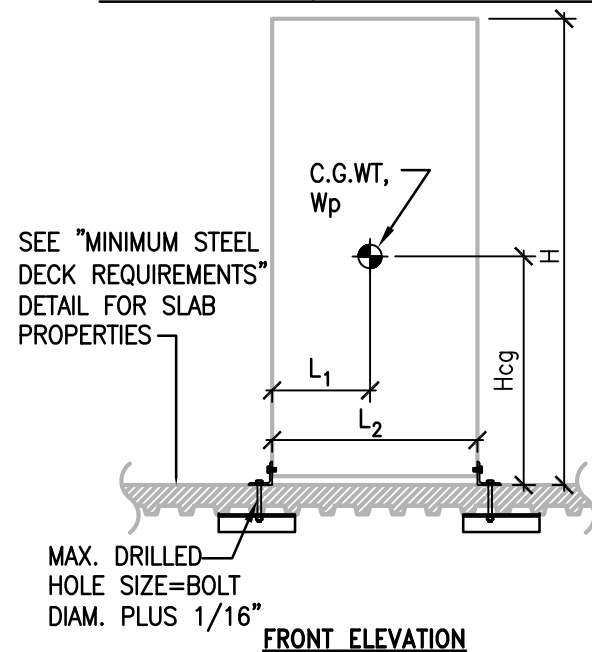
a. TEST 3/8" EXPANSION ANCHORS USING THE TORQUE WRENCH TEST METHOD AS DESCRIBED ABOVE

9. IF ANY ANCHOR FAILS DURING TESTING, UNIT MUST BE MOVED SO THAT NO ANCHOR IS WITHIN 14" 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.

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.

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 2013 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.

BY: William Staehlin

REVIEWED FOR CODE COMPLIANCE, 2013 CALIFORNIA BUILDING CODE, 2013

OSHPD PRE-APPROVAL OF MANUFACTURER CERTIFICATION, 2013

REVIEWED FOR CODE COMPLIANCE, 2013 CALIFORNIA BUILDING CODE, 2013

OSHPD PRE-APPROVAL OF MANUFACTURER CERTIFICATION, 2013

REVIEWED FOR CODE COMPLIANCE, 2013 CALIFORNIA BUILDING CODE, 2013

OSHPD PRE-APPROVAL OF MANUFACTURER CERTIFICATION, 2013

REVIEWED FOR CODE COMPLIANCE, 2013 CALIFORNIA BUILDING CODE, 2013

OSHPD PRE-APPROVAL OF MANUFACTURER CERTIFICATION, 2013

REVIEWED FOR CODE COMPLIANCE, 2013 CALIFORNIA BUILDING CODE, 2013

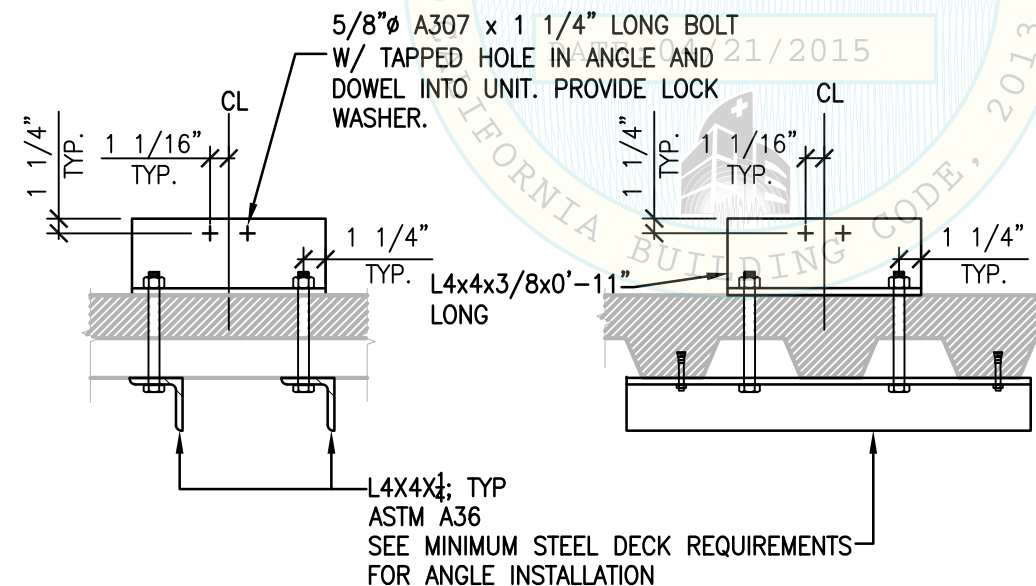
OSHPD PRE-APPROVAL OF MANUFACTURER CERTIFICATION, 2013

REVIEWED FOR CODE COMPLIANCE, 2013 CALIFORNIA BUILDING CODE, 2013

OSHPD PRE-APPROVAL OF MANUFACTURER CERTIFICATION, 2013

REVIEWED FOR CODE COMPLIANCE, 2013 CALIFORNIA BUILDING CODE, 2013

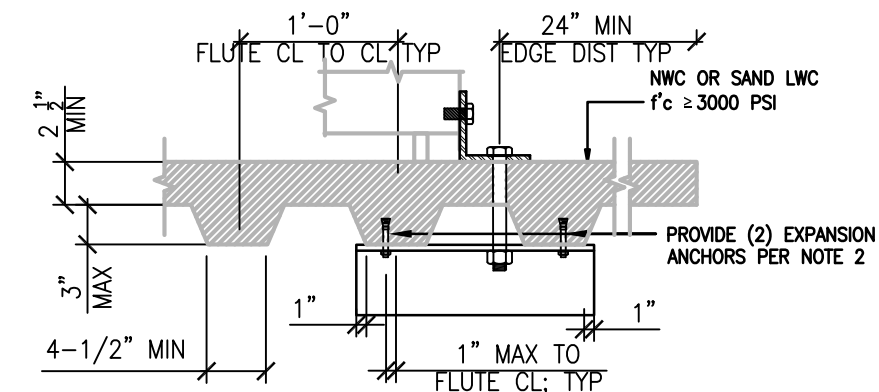
OSHPD PRE-APPROVAL OF MANUFACTURER CERTIFICATION, 2013



TOP ANGLE PARALLEL TO FLUTES

TOP ANGLE PERPENDICULAR TO FLUTES

SECTION B-B



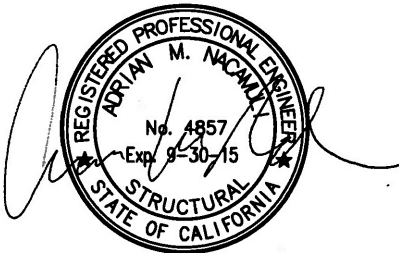
MINIMUM STEEL DECK REQUIREMENTS NOTES:

1. PROVIDE 12" MINIMUM DISTANCE TO EDGE OF SLAB, OPENINGS OR OTHER ATTACHMENTS
2. PROVIDE (2) 3/8" Ø HILTI KB-TZ 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.

MINIMUM STEEL DECK REQUIREMENTS

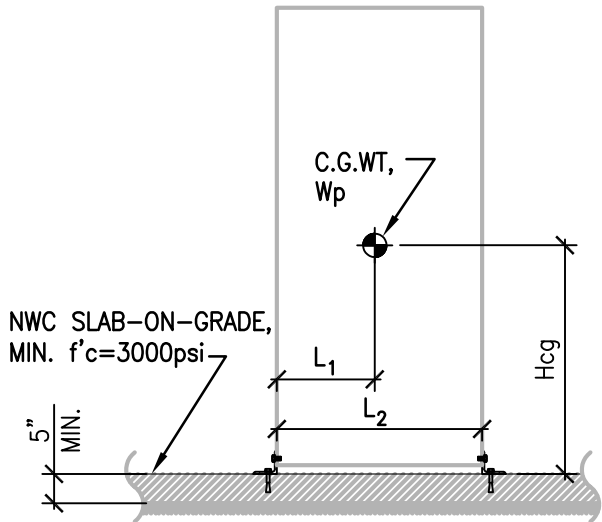
FOR BOTTOM TOP ANGLE PERPENDICULAR TO FLUTES SEE SECTION B-B

SECTION A-A

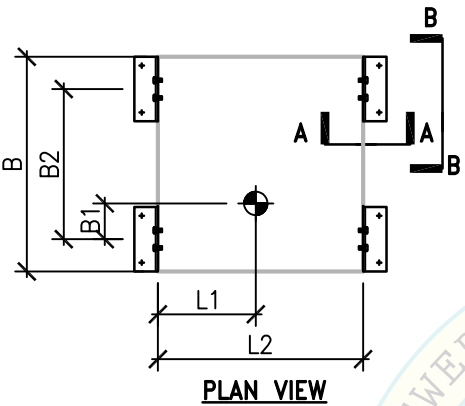


OMNICELL
YUYAMA MODELS 260, 336 AND 520

CASE 2 – EQUIPMENT AT OR BELOW GRADE



FRONT ELEVATION
YUYAMA MODELS 260, 336, 520



PLAN VIEW

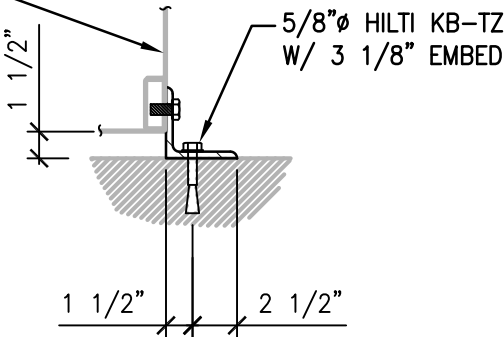
OMNICELL	Wp (LBS)	L ₁ (IN)	L ₂ (IN)	B (IN)	B ₁ (IN)	B ₂ (IN)	H (IN)	Hcg (IN)
MODEL 260:	1530	16.7	35.0	36.6	6.1	25.6	78.7	36.7
MODEL 336:	1930	23.5	50.8	36.6	7.9	25.6	78.7	38.0
MODEL 520:	3007	35.0	70.0	36.6	9.0	25.6	78.7	38.6

- NOTES:
1. ANCHORAGE DESIGN CONFORMS TO THE 2013 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.

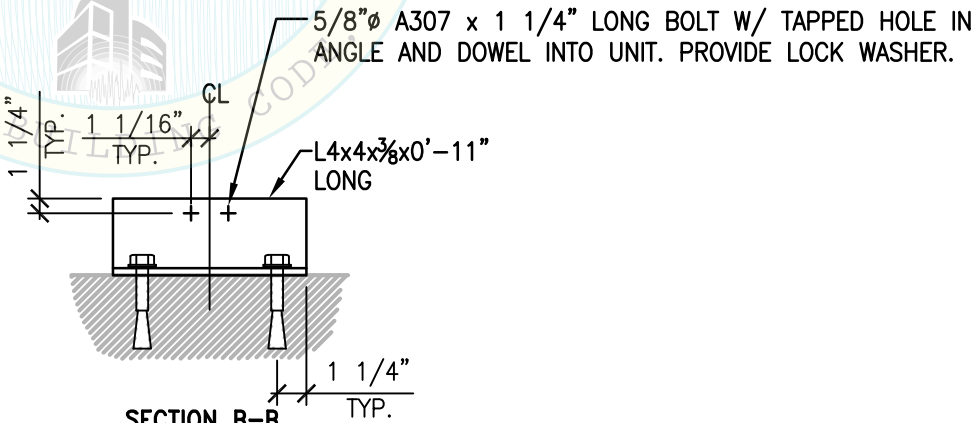
BY: William Staehlin

DATE: 04/21/2015

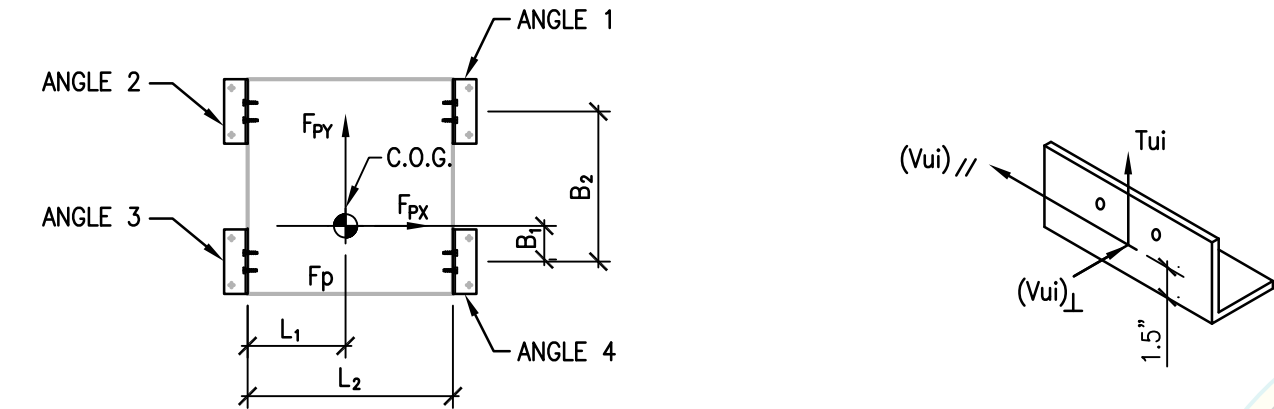
Fu=33 ksi, MIN. SHEET METAL THICKNESS:
MODEL 260, 520: 3 LAYERS, EACH 0.063" THK
MODEL 336: 0.063"



SECTION A-A



SECTION B-B



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} + 0.3F _{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} + 0.3F _{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 2013 CALIFORNIA BUILDING CODE. FORCES GIVEN ARE FACTORED LOADS THAT SHALL BE USED FOR STRENGTH DESIGN.
2. FOR THE SUPPOORT 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.
4. T_u IS THE MAXIMUM TENSION CALCULATED FOR EACH LOAD CASE FOR ALL ANGLES
5. V_u IS THE MAXIMUM SHEAR FORCE CALCULATED FOR EACH LOAD CASE FOR ALL ANGLES
6. 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.