

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-0471

OSHPD Preapproval of Manufacturer's Certification (OPM)

New X Renewal/Update

Manufacturer Information

Manufacturer: Aladdin Temp-Rite LLC

Manufacturer's Technical Representative: Jeff Burns

Mailing Address: 250 E. Main Street, Hendersonville, TN 37075

Telephone: (615) 537-3711

Email: jburns@aladdin-atr.com

Product Information

Product Name: Convect-Rite III Docking Station plus Cart

Product Type: Rethermalization refrigerator unit with cart

Product Model Number: Docking Station: CR3DS2, CR3DS0, CR3DS1; Cart CR3C24xxx, CR3C30xxx

General Description: Rethermalization docking station for meal carts to heat/cool meals prior to distribution to patients. The docking station provides the controls for consistent convected refrigeration and heat as required of meals in cart. After rethermalization, the insulated cart is then disengaged and serves as the meal delivery cart.

Applicant Information

Applicant Company Name: Aladdin Temp-Rite LLC

Contact Person: Jeff Burns

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 Telephone:
 (615) 537-3741
 Email:
 jburns@aladdin-atr.com

Title: Chief Financial Officer

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STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

OSHP



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Registered Design Professo	onal 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 Ce	rtification Preapproval (OSP)
Special Seismic Certification	n is preapproved under OSP OSP Number:
Certification Method	FOR GODE CO.
Testing in accordance with:	ICC-ES AC156 FM 1950-16
Other(s) (Please Specify):	
and attachments are not permitte	adopted by the California Building Standards Code, 2019 (CBSC 2019) for component supports ed. For distribution system, interior partition wall, and suspended ceiling seismic bracings, test in the CBSC 2019 may be used when approved by OSHPD prior to testing.
X Analysis	O BY: George Chu
Experience Data	C DATE: 01/14/2021
Combination of Testing, Ana	alysis, and/or Experience Data (Please Specify):
	PATA CODÉ
OSHPD Approval	BUILDING
Date: 1/14/2021	
Name: George Chu	Title: Senior Structural Engineer

Condition of Approval (if applicable):



GENERAL NOTES

I. GENERAL

- 1. THIS OSHPD PRE-APPROVAL OF MANUFACTURE'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. THIS PRE-APPROVAL IS VALID FOR THE EQUIPMENT DESCRIBED IN THESE DRAWINGS THROUGHOUT THE STATE OF CALIFORNIA, PER THE SDS and HEIGHT LIMITS NOTED IN THESE GENERAL NOTES

II. RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD

- 1. VERIFY MATERIALS AND WORKMANSHIP TO CONFORM WITH THE 2019 EDITION OF THE CALIFORNIA BUILDING CODE AND THE REQUIREMENTS OF THIS PRE-APPROVAL DOCUMENT.
- 2. VERIFY THE ADEQUACY OF THE EXISTING FRAMING TO SUPPORT THE LOADS INDICATED ON S3 AND S4. IN ADDITION TO ALL OTHER LOADS.
- DETAILED WITHIN THIS PRE-APPROVAL.
- 4. VERIFY THE EQUIPMENTS WEIGHT, LOCATION. ANCHOR LOCATIONS AND ANCHOR DETAILS AGREE WITH THE INFORMATION SHOWN IN THIS PRE-APPROVAL.

III. STRUT FRAMING

- 1. CONNECTORS MANUFACTURED BY MASON WEST CORPORATION AND B-LINE. CHANNEL FRAMING COMPONENTS MANUFACTURED BY UNISTRUT. MASON WEST CORPORATION OR B-LINE. SEE SHEET S3.
- 2. CHANNEL FRAMING TO CONFORM TO ASTM A1011 SS. GRADE 33
- 3. STRUT TYPE: SOLID SECTIONS ONLY. CHANNEL MINIMUM SECTION PROPERTIES:

CHANNEL	A (IN. ²)	S _{xx} (IN. ³)	I _{xx} (IN. ⁴)	GAGE	WT (PLF)
1 5/8" SQ	0.544	0.195	0.180	12	1.89
1 1/4" SQ	0.305	0.086	0.061	14	1.04

IV. MECHANICAL ANCHORS

- 1. WEDGE ANCHORS INTO CONCRETE OR MASONRY: SEE S4. ANCHORS SHALL BE ZINC COATED CARBON STEEL. INSTALL ANCHORS IN ACCORDANCE WITH ICC REPORT. MASONRY ANCHORAGE ONLY APPLICABLE TO UNCRACKED, FULLY GROUTED CONCRETE MASONRY UNIT CONSTRUCTION PER ICC ESR-1385 §3.2.
- 2. 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 APPROVED BY THE ENGINEER OF RECORD. NOTIFY THE ENGINEER OF RECORD IF ANY REINFORCING IS DAMAGED.
- 3. ANCHORS WILL BE PROOF-TESTED BY OWNER'S TESTING AND INSPECTION AGENCY.
- 4. IF ANY ANCHOR FAILS TESTING, REPLACE ANCHOR AND TEST ADDITIONAL ANCHORS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE PASS, THEN RESUME INITIAL TESTING FREQUENCY

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- 5. TEST ANCHORS NO SOONER THAN 24 HOURS AFTER INSTALLATION.
- 6. TEST 50% WEDGE ANCHORS PER THE FOLLOWING METHOD: A. TORQUE WRENCH METHOD: TEST ANCHORS TO THE TORQUE LOAD INDICATED IN
 - THE TABLE BELOW WITHIN THE FOLLOWING LIMITS: 1. ONE-HALF TURN OF THE NUT.

WEDGE		
ANCHOR DIA. (IN)	TORQUE LOAD (FT-LBS)	
3/8	25	
1/2	40	
5/8	60	

- V. STRUCTURAL STEEL
- 3. DESIGN ANY SUPPLEMENTARY MEMBER AND THEIR ATTACHMENTS OTHER THAN THOSE 1. STRUCTURAL STEEL TO CONFORM TO THE FOLLOWING UNLESS OTHERWISE NOTED:

STAINLESS STEEL BOLTS: ASTM A320 S.S. GR. B8 CLASS 1 OR A307 ZINC BOLTS PER ASTM F2329 MASON WEST (BREAK-OFF NUT) AND B-LINE CONNECTORS: NUTS AND BOLTS MOUNTED TO CHANNELS SHALL BE TIGHTENED TO THE FOLLOWING MINIMUM TORQUES:

		RUUDE	
	BOLT DIAMETER (IN.)	BOLT TORQUE (FT. LBS.)	
	1/2	50	
PLA	TES: ASTM A572 GR 50	JOHPU	

WELDING ELECTRODE: E70XXX

2. HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ASTM A153 STRUCTURAL STEEL 曰

VI. WOOD

INSTALL WOOD SCREWS PER IAPMO ER-192, VERIFY (E) WOOD STUDS MEET MATERIAL REQUIREMENTS IN ACCORDANCE WITH THE IAPMO REPORT.

VII. STRUCTURAL TESTS, INSPECTIONS, AND OBSERVATIONS

- 1. AN INDEPENDENT TESTING AGENCY AND SPECIAL INSPECTORS WILL BE RETAINED BY THE OWNER TO PERFORM THE FOLLOWING TESTS AND INSPECTION. PROVIDE ACCESS AND FURNISH SAMPLES TO THE AGENCY AS REQUIRED.
- 2. THE FOLLOWING ITEMS REQUIRE TESTS AND INSPECTIONS IN ACCORDANCE WITH THE REQUIREMENTS OF THE CHAPTER "STRUCTURAL TESTS AND INSPECTIONS" OF THE CODE.

3. MECHANICAL ANCHORS:

- A. VERIFY TYPE OF ANCHOR, ANCHOR DIMENSIONS, CONCRETE TYPE AND COMPRESSIVE STRENGTH, PREDRILLED HOLE DIMENSIONS, ANCHOR SPACING, EDGE DISTANCE, SLAB THICKNESS AND ANCHOR EMBEDMENT
- B. PROOF-TEST AS INDICATED IN THE MECHANICAL ANCHORS SECTION OF THESE GENERAL NOTES.

VIII. DESIGN CRITERIA

- 2. SEISMIC DESIGN: ALLOWABLE SEISMIC FORCE
 - WHERE: $S_{DS} = SEE TABLE$

WORST CASE ACCEL FOR ESSENTIAL EQUIP. lp = 1.5 z/h= SEE TABLE FOR ANY FLOOR

PERIODS

z/h	CONVECT 24/MINI S _{DS} , MAX	CONVECT 30 S _{DS} , MAX
0 (SLAB AT OR BELOW BASE)	3.0	3.0
0.25	2.93	2.40
0.5	2.20	1.88
0.75	1.73	1.50
1.0 (ROOF)	1.40	1.23

TABLE VALUES MAY NOT BE INTERPOLATED. FOR z/h VALUES IN BETWEEN SMALLER SDS. MAX. MUST BE USED. ENGINEER OF RECORD MUST VERIFY PRE-APPROVAL IS VALID FOR SPECIFIC SITE AND UNIT INSTALLATION LOCATION. IF SITE SDS IS LARGER THAN SDS. MAX., PRE-APPROVAL IS NOT APPLICABLE AND ENGINEER OF RECORD IS RESPONSIBLE FOR PROVIDING ALTERNATE SUPPORTS & ATTACHMENTS DESIGN.

IX. HOW TO USE THIS PRE-APPROVAL

- - S1 S2 S3 S4

S5

ALADDIN TEMP-RITE CONVECT-RITE III MODELS CR3DS2, CR3DS0, CR3DS1 **GENERAL NOTES**

Dra Des Che

APPLICABLE CODE: 2019 CALIFORNIA BUILDING CODE

 $F_{P,ASD} = 0.7*0.4 S_{DS}*Wp(1+2*z/h) Ev_{ASD} = 0.7*0.2(S_{DS})Wp$

Rp = 1.5 LOW DEFORMATION ap = 1.0 RIGID COMPONENT $\Omega = 1.5$

NOT APPLICABLE AT SITES WITH SOIL CLASS F 3. THIS PRE-APPROVAL HAS THE FOLLOWING LIMITATIONS ON SDS BASED ON INSTALLATION LOCATION IN THE BUILDING: z = HEIGHT IN STRUCTURE OF UNIT INSTALLATION h = AVERAGE ROOF HEIGHT OF STRUCTURE SDS = DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETER AT SHORT

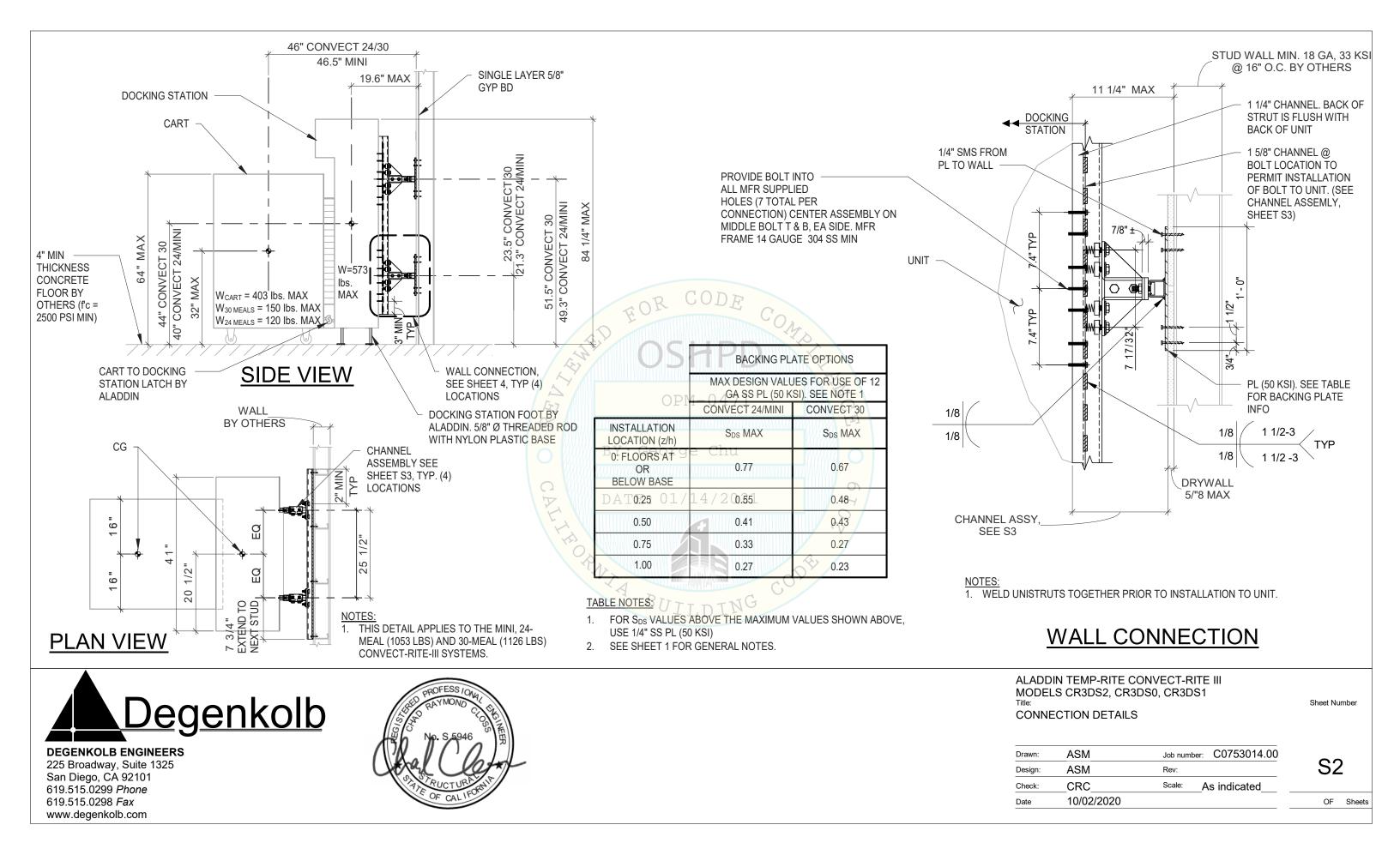
1. REVIEW AND UNDERSTAND ALL GENERAL NOTES AND FIGURES BEFORE PROCEEDING. 2. DETERMINE THE MAXIMUM DEMANDS ON THE EXISTING STRUCTURE FROM THE NEW UNIT FROM THE TABLE ON SHEETS S3 AND S4, AND VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE WITH THE ENGINEER OF RECORD FOR THE BUILDING.

SHEET LIST

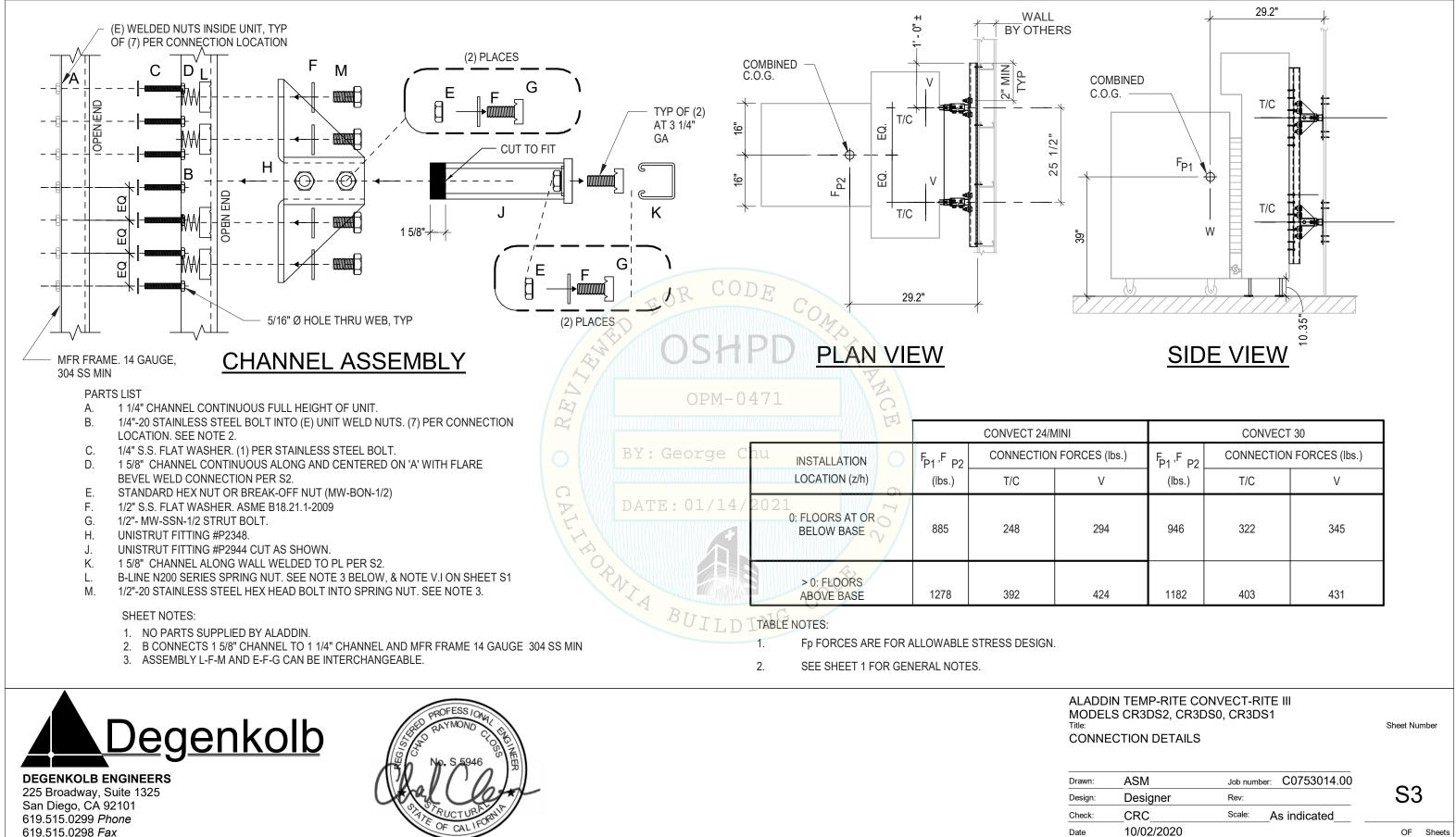
GENERAL NOTES CONNECTION DETAILS CONNECTION DETAILS CONNECTION DETAILS CONNECTION DETAILS

Sheet Number

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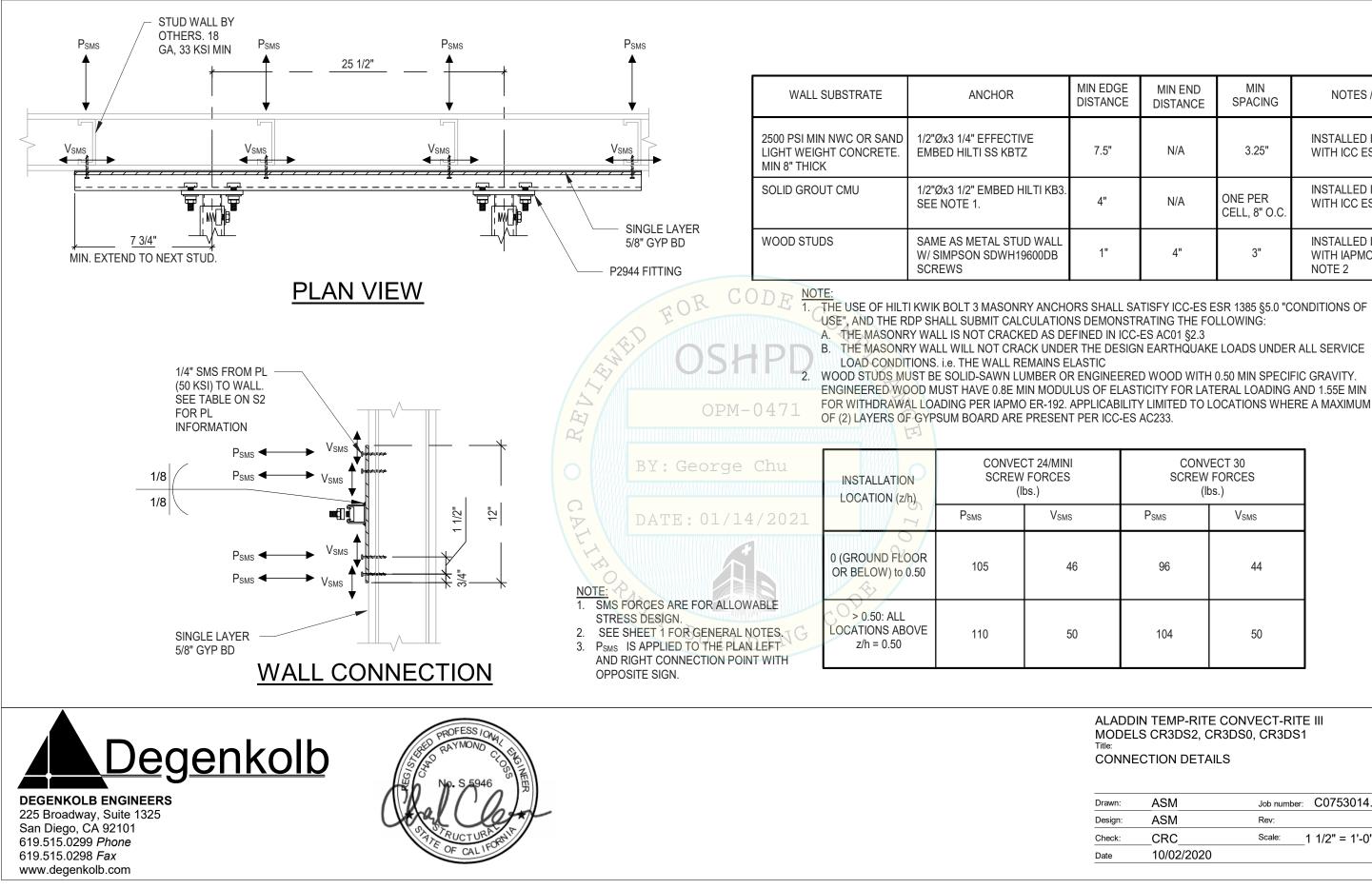


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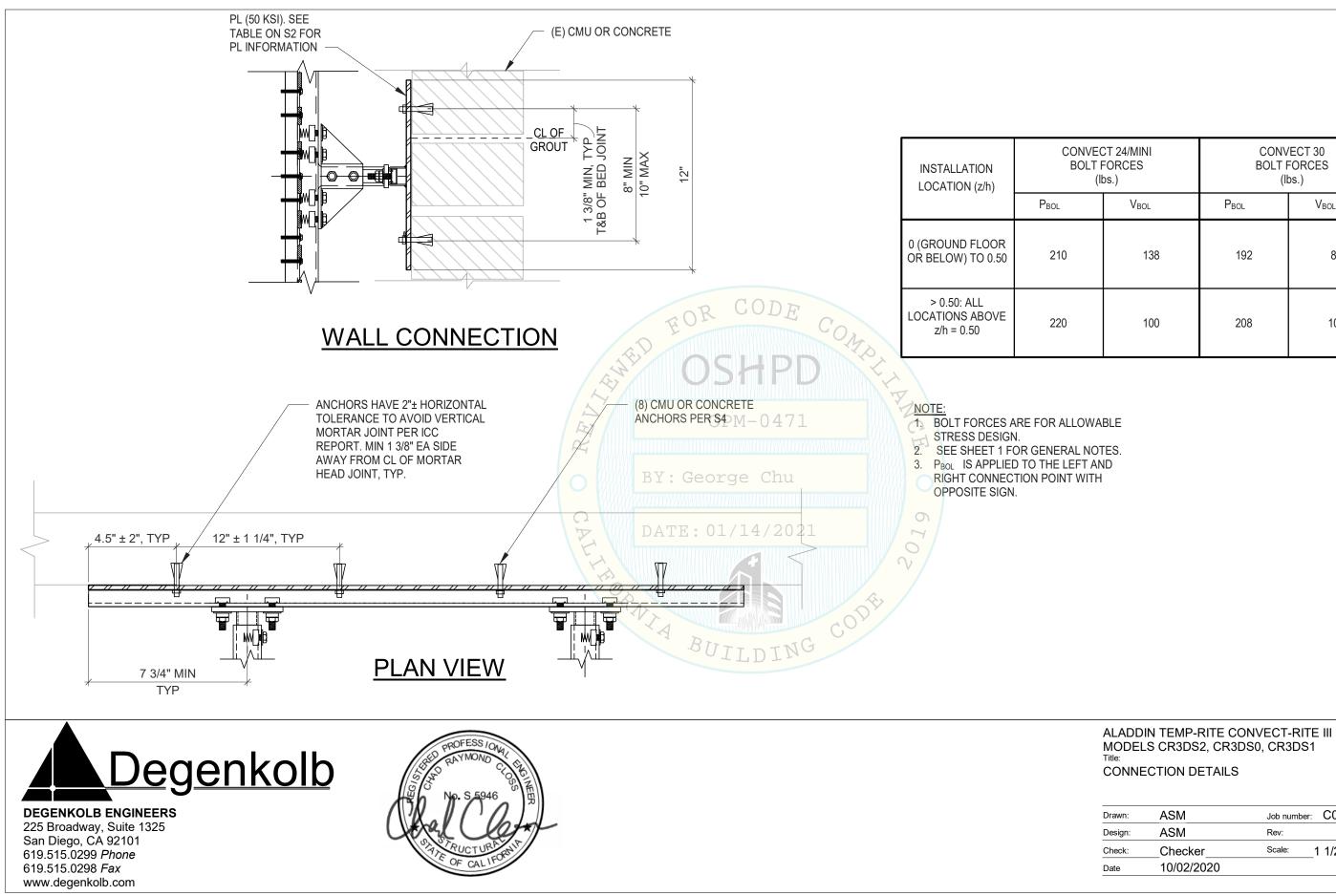
DGE NCE	MIN END DISTANCE	MIN SPACING	NOTES / REFERENCE
5"	N/A	3.25"	INSTALLED IN ACCORDANCE WITH ICC ESR-1917 SEE S5
1	N/A	ONE PER CELL, 8" O.C.	INSTALLED IN ACCORDANCE WITH ICC ESR-1385 SEE S5
	4"	3"	INSTALLED IN ACCORDANCE WITH IAPMO ER-192 . SEE NOTE 2

CONVECT 30 SCREW FORCES (lbs.)		
P _{SMS}	V _{SMS}	
96	44	
104	50	

ALADDIN TEMP-RITE CONVECT-RITE III MODELS CR3DS2, CR3DS0, CR3DS1 CONNECTION DETAILS

Sheet Number

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24/MINI RCES)	CONVECT 30 BOLT FORCES (lbs.)		
V _{BOL}	P _{BOL}	V _{BOL}	
138	192	88	
100	208	100	

Job number: C0753014.00 **S**5 1 1/2" = 1'-0" OF Sheets

Sheet Number