

# OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD PREAPPROVAL OF	OFFICE USE ONLY						
MANUFACTURER'S CERTIFICATION (OSM)	APPLICATION #: OPM-0377						
OSHPD Preapproval of Manufacturer's Certification OPM)							
Type: New X Renewal/Update							
Manufacturer Information							
Manufacturer: 2 WAY INDUSTRIES LTD							
Manufacturer's Technical Representative: BRYCE HODGSON							
Mailing Address: 23 PATIKI RD., AVONDAE, AUCKLAND, NA 1026							
Telephone: (649) 828-0045 Email: INFO@2WA	Y.CO.NZ						
Product Information							
Product Name: BRACELOK RETRO	COMB						
Product Type: Partition Wall and Ceiling Bracing							
Product Model Number: SPT 10-R OPM-0377	No.						
General Description: Rigid brace system designed to be used with stee	I stud and track partition wall systems						
Applicant Information							
Applicant Company Name: BRACELOK P:TD DATE: 04/09/202	0 67						
Contact Person: BRYCE HODGSON	$\sim$						
Mailing Address: P.O. BOX 31270, MILFORD,, AUCKLAND, CA 0620	10DE						
Telephone: (642) 111-1610 Email: SCOTT SIMI	SON@BRACELOK.COM						
Title: Chief Technical Offcier							
Registered Design Professonal Preparing Engineering Recon	nmendations						
Company Name: DEGENKOLB ENGINEERS							
Name: Alvaro Celestino Californi Number	ia License S5580						
Mailing Address: 225 Broadway Suite 1325, San Diego, CA 92101							
Telephone: (213) 309-2044 Email: acelestino@d	degenkolb.com						
OSHPD Special Seismic Certification Preapproval (OSP)							
Special Seismic Certification is preapproved under OSP	OSP Number:						



# OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

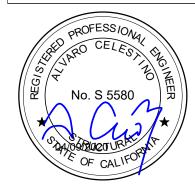
Certification Method	
Testing in accordance with:	CC-ES AC156 FM 1950-16
X Other(s) (Please Specify): AISI	S100-16 Section K
and attachments are not permitted. For	ted by the California Building Standards Code, 2016 (CBSC 2016) for component supports or distribution system, interior partition wall, and suspended ceiling seismic bracings, test e CBSC 2016 may be used when approved by OSHPD prior to testing.
X Analysis	
Experience Data	
Combination of Testing, Analysis	, and/or Experience Data (Please Specify):
OSHPD Approval	
Date: 4/9/2020	FOR CODE CO.
Name: Jeffrey Kikumoto	Title: Senior Structural Engineer
Condition of Approval (if applicable):	SHPD E
	OPM-0377
	O   BY: Jeffrey Kikumoto     O     DATE: 04/09/2020
	DATE: 04/09/2020

# OFNEDAL NOTEC

GE	NERAL NOTES		
I.	GENERAL		
1. 2.	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. THIS PRE-APPROVAL IS VALID FOR THE SYSTEM DESCRIBED IN THESE DRAWINGS	8.	PAF SHALL NOT BE USED IN PRE-STRES TESTING METHODS ARE USED TO LOCA FASTENER INSTALLATION.
	THROUGHOUT THE STATE OF CALIFORNIA, AND IS VALID FOR INTERIOR WALLS INSTALLED AT ANY HEIGHT WITHIN THE BUILDING. SEE $S_{\rm DS}$ LIMITATIONS ON SHEET S3	9.	TENSION TESTING IS NOT REQUIRED FO ATTACH TRACKS OF INTERIOR NON-SHE WHERE THERE ARE AT LEAST THREE F/
II. R	ESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD		IV. MECHANICAL ANCHORS
1.	VERIFY MATERIALS AND WORKMANSHIP TO CONFORM WITH THE 2019 EDITION OF THE CALIFORNIA BUILDING CODE AND THE REQUIREMENTS OF THIS PRE-APPROVAL DOCUMENT.	1.	EXPANSION OR WEDGE ANCHORS INTO SIMPSON STRONG-BOLT 2 (ICC-ESR-303 ESR-2502).
2.	VERIFY THE ADEQUACY OF THE EXISTING FRAMING TO SUPPORT THE LOADS INDICATED ON THIS SHEET, IN ADDITION TO ALL OTHER LOADS.	2.	SCREW ANCHORS, HILTI HUS-EZ (ICC-ES ESR-2713), OR DEWALT SCREW-BOLT +
3.	VERIFY ANCHORS ARE AT ADEQUATE DISTANCES FROM OPENINGS AND EDGES OF SLABS AS NOTED IN THE GENERAL NOTES SECTION IV.	3.	INSTALL ANCHORS IN ACCORDANCE WI MANUFACTURER INSTRUCTIONS.
4. 5.	VERIFY ANCHORS ARE AT ADEQUATE DISTANCES FROM NEW OR EXISTING ANCHORS AS NOTED IN THE GENERAL NOTES SECTION IV. DESIGN ANY SUPPLEMENTARY MEMBER AND THEIR ATTACHMENTS OTHER THAN	4.	IF REINFORCEMENT IS ENCOUNTERED I HOLE LOCATION TO AVOID THE REINFO
6.	THOSE DETAILED WITHIN THIS PRE-APPROVAL. VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2019 CBC AND WITH		DIAMETERS OR 1 INCH, WHICHEVER IS I DOWEL AND THE ABANDONED HOLE. F GROUT APPROVED BY THE STRUCTURA
7.	THE DETAILS SHOWN IN THIS PRE-APPROVAL. VERIFY THAT THE SITE SEISMIC PARAMETERS DON'T EXCEED WHAT IS PERMITTED UNDER THIS OPM	5.	STRUCTURAL ENGINEER OF RECORD IF ANCHORS WILL BE PROOF-TESTED BY (
		6.	WITH A REPORT OF THE TEST RESULTS IF ANY ANCHOR FAILS TESTING, REPLAC
II.	COLD-FORMED METAL FRAMING	0.	OF THE SAME CATEGORY NOT PREVIOU PASS, THEN RESUME INITIAL TESTING F
1.	STUDS: ASTM C955 AND ASTM A1003, "C" SHAPED WITH LIPPED FLANGES AND PUNCHED WEB. PROVIDE G60 COATING MINIMUM.	7.	TEST ANCHORS NO SOONER THAN 24 H
	<ul> <li>A. 43 MIL (18 GAGE) AND LIGHTER: GRADE 33 TYPE H</li> <li>B. 54 MIL (16 GAGE) AND HEAVIER: GRADE 50 TYPE H</li> </ul>	8.	A. TORQUE WRENCH METHOD: TES IN THE TABLE BELOW WITHIN TH
2.	TRACK: ASTM C955 AND ASTM A1003, "U" SHAPED WITH UN-PUNCHED WEB. PROVIDE		1. ONE-HALF TURN OF THE
	G60 COATING MINIMUM. A. MATCH DEPTH, THICKNESS AND GRADE OF STUDS.		
3.	FRAMING DESIGNATIONS ON PLANS ARE BASED ON THE STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA) PRODUCT TECHNICAL GUIDE (ICC-ESR-3064P).		3/8
4.	INSTALL STUDS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND ASTM	9.	TENSION TEST SCREW ANCHORS PER T A. HYDRAULIC RAM METHOD: THE ANC
	C1007.		DEFINED BELOW) FOR A MINIMUM OF 15 MOVEMENT AT THE APPLICABLE TEST L
5.	SHEET METAL SCREWS: SELF-DRILLING, SELF-TAPPING, HDG PER ASTM A153. PAN OR HEX WASHER HEAD AS REQUIRED BY FINISH.		IS BEING TESTED, THE TESTING DEVICE CONE TYPE FAILURE MECHANISM FROM
	A. PRODUCTS: ITW-BUILDEX TEKS SELECT (ICC-ESR-3223), GRABBER DRIVALL		SCRE
	(ICC-ESR-1271)		ANCHOR DIA. (IN) TEI
6	MINIMUM SCREW SPACING AND EDGE DISTANCE TO BE 3/4"		3/8

- 6. MINIMUM SCREW SPACING AND EDGE DISTANCE TO BE 3/4".
- 7. POWDER ACTUATED FASTENERS: HILTI LOW-VELOCITY FASTENERS (ICC-ESR-2269).

<u>BASE</u> MATERIAL	FASTENERS	<u>MINIMUM</u> EMBEDMENT	MINIMUM EDGE DISTANCE	<u>MINIMUM</u> SPACING
STEEL	HILTI X-U HII TI X-P	PER MANUF	1/2" 3"	5 1/2"
CONCILLE		I	5	5 1/2





10.

ESSED CONCRETE UNLESS NON-DESTRUCTIVE CATE STRAND AND REINFORCEMENT PRIOR TO

FOR POWDER ACTUATED FASTENERS USED TO HEAR WALL PARTITIONS FOR SHEAR ONLY, FASTENERS PER SEGMENT OF TRACK.

	••
EXPANSION OR WEDGE ANCHORS INTO CONCRETE: HILTI KB-TZ (ICC ESR-1917), SIMPSON STRONG-BOLT 2 (ICC-ESR-3037) OR DEWALT POWER-STUD+ SD2 (ICC- ESR-2502).	
SCREW ANCHORS, HILTI HUS-EZ (ICC-ESR-3027), SIMPSON STRONG-TIE TITEN-HD (ICC- ESR-2713), OR DEWALT SCREW-BOLT + (ICC-ESR-3889)	2.
INSTALL ÁNCHORS IN ACCORDANCE WITH LATEST ICC-ESR REPORT AND MANUFACTURER INSTRUCTIONS.	3.
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 STRUCTURAL ENGINEER OF RECORD. NOTIFY THE STRUCTURAL ENGINEER OF RECORD IF ANY REINFORCING IS DAMAGED. ANCHORS WILL BE PROOF-TESTED BY OWNER'S TESTING AND INSPECTION AGENCY. WITH A REPORT OF THE TEST RESULTS SUBMITTED TO OSHPD. 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. TEST ANCHORS NO SOONER THAN 24 HOURS AFTER INSTALLATION. TEST 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.	<b>VII.</b> 1 1. 2.
WEDGE	VIII.
ANCHOR DIA (IN) TORQUE LOAD (FT-LBS)	<b>viii.</b> 1.
	2.
TENSION TEST SCREW ANCHORS PER THE FOLLOWING METHOD:	۷.
DEFINED BELOW) FOR A MINIMUM OF 15 SECONDS AND SHALL HAVE NO OBSERVABLE	3

LOAD. IN THE CASE WHERE OTHER THAN BOND CE SHALL NOT RESTRICT THE CONCRETE SHEAR OM OCCURRING

SCREW						
ANCHOR	DIA. (IN)	TENSION LOAD (LBS)				
3/	8	566				

- SHEET LIST S1 GENERAL NOT S2 BRACING LAYO FOR POST INSTALLED ANCHORS USED FOR NONSTRUCTURAL APPLICATIONS, 50 S3 WALL SECTION S4 TOP & BOTTOM
- PERCENT OR ALTERNATE BOLTS IN A GROUP, INCLUDING AT LEAST ONE-HALF THE ANCHORS IN EACH GROUP, SHALL BE TESTED.

WHERE POST-INSTALLED ANCHORS ARE USED FOR SILL PLATE BOLTING APPLICATIONS, 10 PERCENT OF THE ANCHORS SHALL BE TESTED.

BRACELOK™	RETRO CONNECTOR,
	MODEL NO. SPT-10-R
Title	
GENERAL NOT	ES

MINIMUM EDGE DISTANCE: A. 3/8" EXPANSION ANCHOR = 6" B. 3/8" SCREW ANCHOR = 3 3/4" MINIMUM SPACING (FROM NEW OR EXISTING ADJACENT ANCHORS): A. 3/8" EXPANSION ANCHOR = 6" B. 3/8" SCREW ANCHOR = 3"

### VI. STRUCTURAL TESTS, INSPECTIONS, AND OBSERVATIONS

AN INDEPENDENT APPROVED TESTING AGENCY AND SPECIAL INSPECTORS, CONFORMING TO 2019 CBC SECTION 1703A. WILL BE RETAINED BY THE OWNER TO PERFORM THE FOLLOWING TESTS AND INSPECTIONS. PROVIDE ACCESS AND FURNISH SAMPLES TO THE AGENCY AS REQUIRED.

THE FOLLOWING ITEMS REQUIRE TESTS AND INSPECTIONS IN ACCORDANCE WITH THE REQUIREMENTS OF THE CHAPTER "STRUCTURAL TESTS AND INSPECTIONS" OF THE CODE.

MECHANICAL ANCHORS:

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

### **DESIGN CRITERIA**

11.

12.

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Β.

WHERE:

lp = 1.5Z/h= 1.0

Rp = 2.5 ap = 1.0  $\Omega = 2.0$ 

APPLICABLE CODE: 2019 CALIFORNIA BUILDING CODE.

SEISMIC DESIGN:

SEISMIC FORCE F (LRFD) =  $0.4 * S_{DS} * a_p (1 + 2* Z/h) Wp$  $(R_p / I_p)$ 

S<sub>DS</sub> = 195% G

MAX ACCEL. (SEE S3)

FOR ANY FLOOR

## HOW TO USE THIS PRE-APPROVAL

REVIEW AND UNDERSTAND ALL GENERAL NOTES AND FIGURES BEFORE PROCEEDING.

FOR THE SELECTED INTERIOR WALL CONDITION AND SEISMICITY (SDS) DETERMINE THE TOP TRACK CONDITION, BRACE AND WALL STUD SECTIONS,

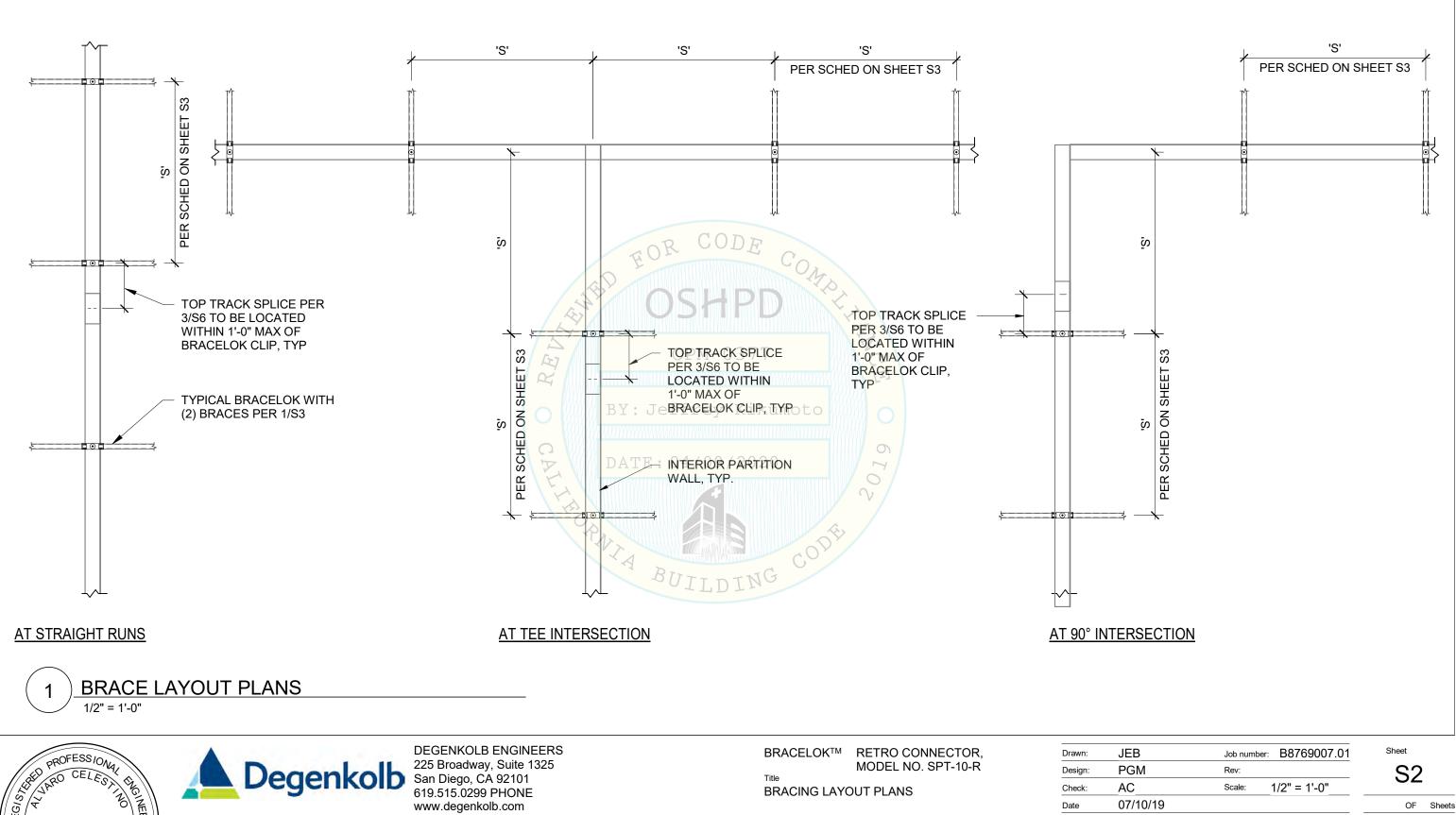
AND BRACELOK SPACING FROM THE TABLES ON S3.

BASED ON THE STRUCTURE TYPE, SELECT A BRACE CONNECTION AND WALL BASE CONNECTION FROM THE TABLE ON S4.

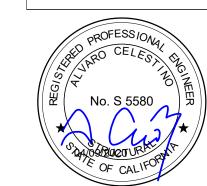
DETERMINE THE IMPACT ON THE EXISTING STRUCTURE FROM THE BRACELOK FROM THE TABLE ON S3, AND VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE WITH THE STRUCTURAL ENGINEER OF RECORD FOR THE BUILDING.

S1	GENERAL NOTES	S9	BRACELOK PARTS
S2	BRACING LAYOUT PLANS	S10	OPD-0001-13 DETAILS (ST2.00, ST2.02)
S3	WALL SECTION & SCHEDULES	S11	OPD-0001-13 DETAILS (ST2.03, ST2.04)
S4	TOP & BOTTOM CONNECTIONS	S12	OPD-0001-13 DETAILS (ST4.00, ST4.01)
S5	BRACELOK CONNECTIONS	S13	OPD-0001-13 DETAILS (ST6.08, ST6.09)
S6	BRACE CONNECTIONS	S14	OPD-0001-13 DETAILS (ST1.00, ST5.00)
S7	BRACE CONNECTIONS	S15	OPD-0001-13 DETAILS (ST5.01, ST5.02)
S8	BRACELOK PARTS		

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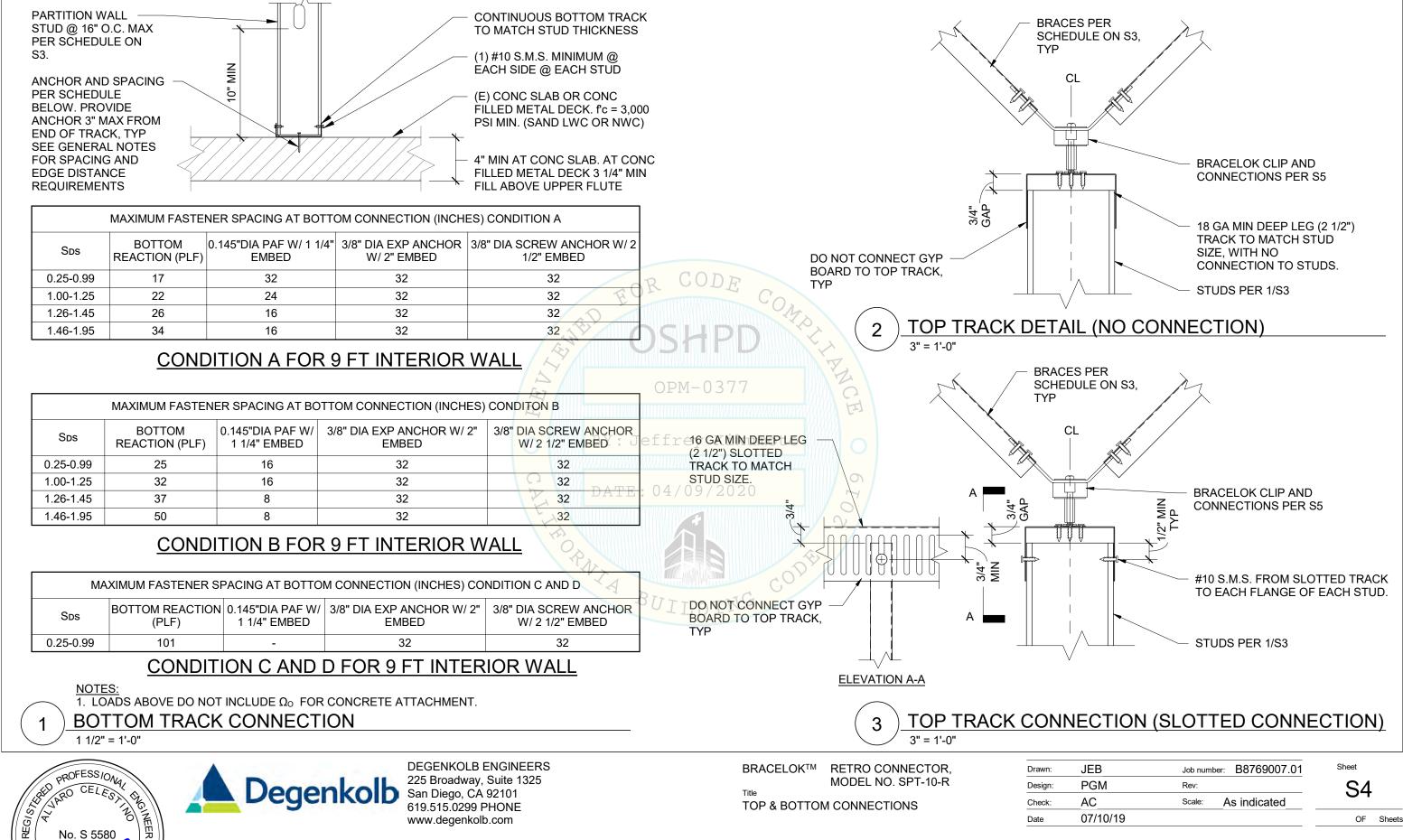






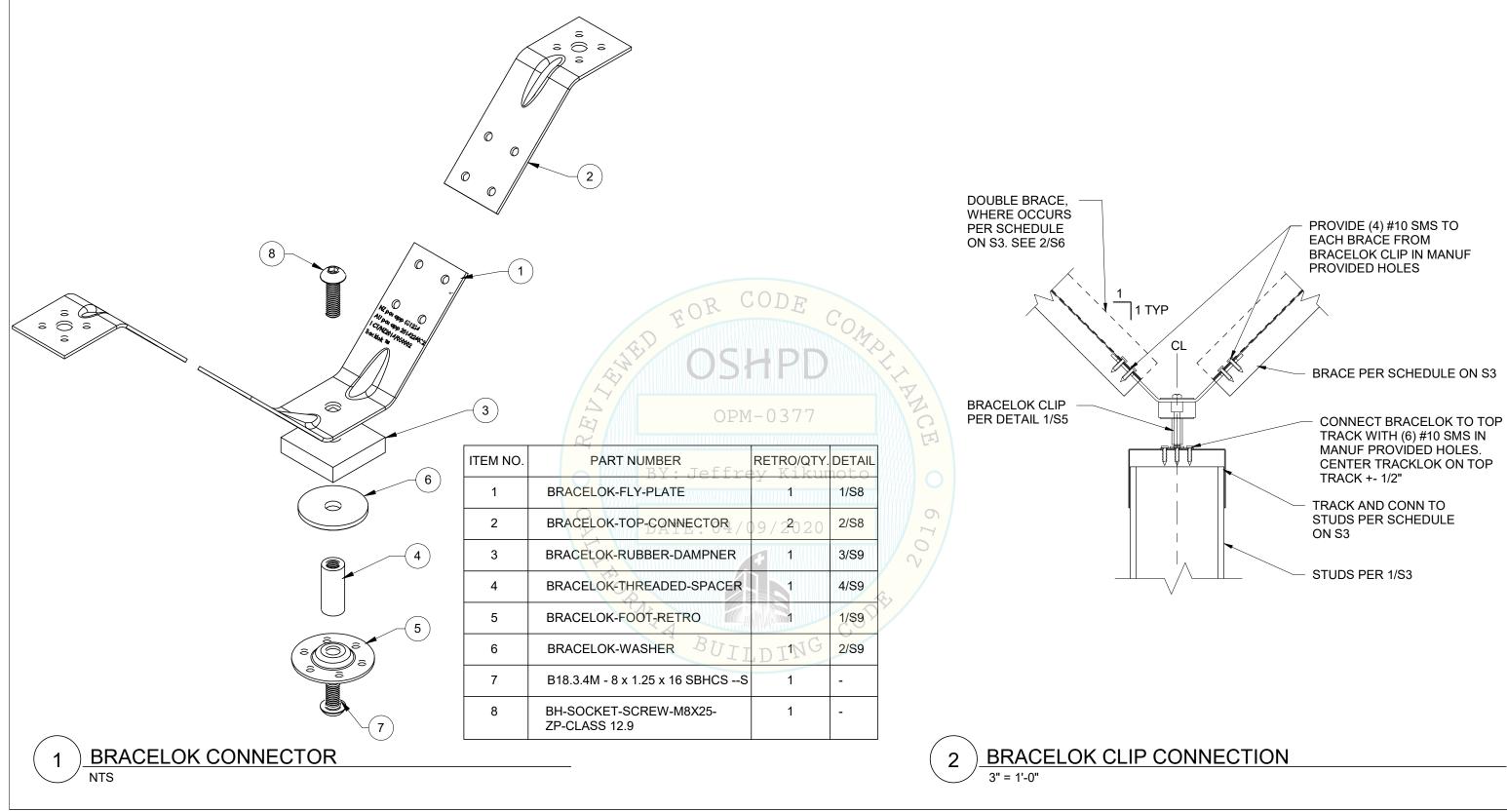
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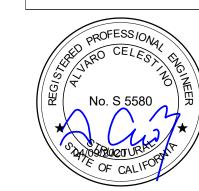
					CO	NDITION A FOR 9 F	T MAX INTERIOR W	ALL (SEE NOTE 4)		
			Sds	TOP TRACK TO STUD CONN DETAIL	BRACELOK SPACING, 'S'	MAX ASD TOP TRACK REACTION (PLF)	ASD HORIZ LOAD AT BRACE (LB) ('F')	PLENUM HEIGHT	BRACE SIZE	BRACE TO STRUCTURE CONN DETAIL
	SF	E SCHEDULE FOR	0.25-0.99	2/S4 OR 3/S4	8'-0"	17	136	'X' < 5'-0" 5'-0" < 'X' < 7'-3"	250S162-33 362S162-33	1/S6, 1/S7, 2/S7, 1/S13
×	PE	RMITTED BRACE TO (E) CONC SLAB OR						'X' < 5'-0"	250S162-33	1/S6, 1/S7, 2/S7,
JLE _	t TYI	DECK. fc = 3,000 PSI MIN	1.00-1.25	2/S4 OR 3/S4	8'-0"	22	176	5'-0" < 'X' < 7'-3"	362S162-33	1/S13
M HEIGHT		(SAND LWC OR NWC)	1.26-1.45	2/S4 OR 3/S4	8'-0"	26	208	'X' < 5'-0"	250S162-33	1/S6, 1/S7, 2/S7,
NM F SCF	1	1 BRACE PER SCHEDULE (TYP OF 2 AT EACH BRACELOK)						5'-0" < 'X' < 7'-3" 'X' < 5'-0"	362S162-33 250S162-33	1/S13 1/S6, 1/S7, 2/S7,
PLENUM SEE SC		SEE DETAIL 2/S6 FOR BUILT- UP BRACE SECTION	1.46-1.95	2/S4 OR 3/S4	8'-0"	34	272	5'-0" < 'X' < 7'-3"	362S162-33	1/S0, 1/S7, 2/S7, 1/S13
L 1		CL TOP TRACK TO STUD		1						
		CONNECTION PER			<u>CO</u>	NDITION B FOR 9 F	T MAX INTERIOR W	ALL (SEE NOTE 4)		
*	('F') SEE NOTE 6	SCHEDULE 2 TYP BRACELOK TO TOP	CSDS	TOP TRACK TO STUD CONN DETAIL	BRACELOK SPACING, 'S	MAX ASD TOP TRACK REACTION (PLF)	ASD HORIZ LOAD AT BRACE (LB) ('F')	PLENUM HEIGHT	BRACE SIZE	BRACE TO STRUCTURE CONN DETAIL
			0.05.0.00	CO,	01.01			'X' < 5'-0"	250S162-33	1/S6, 1/S7, 2/S7,
		TRACK AND BRACE	0.25-0.99	2/S4 OR 3/S4	8'-0"	29	232	5'-0" < 'X' < 7'-3"	362S162-33	1/S13
	MAXIMUM PERMISSIBLE		1.00-1.25	2/S4 OR 3/S4	8'-0"	36	288	'X' < 5'-0"	250S162-33	1/S6, 1/S7, 2/S7, 1/S13
	LOADING FROM				TZ.			5'-0" < 'X' < 7'-3" 'X' < 5'-0"	362S162-33 250S162-33	1/S6, 1/S7, 2/S7,
	COMPONENTS IS AS DEFINED FOR EACH		1.26-1.45	7 2/S4 OR 3/S4	7-3"	42	305	5'-0" < 'X' < 7'-3"	362S162-33	1/S13
	WALL CONDITION ON SHEETS S10 AND S11.	PARTITION WALL STUDS @ 16" OC 362S162-33 MIN @ CONDITION A AND B	1.46-1.95	2/S4 OR 3/S4	5'-6"	56	308	'X' < 5'-0"	250S162-33	1/S6, 1/S7, 2/S7, 1/S13
×	MAXIMUM SYSTEM	362S162-43 MIN @ CONDITION C AND D BY: Jeff:						5'-0" < 'X' < 7'-3" 'X' < 5'-0"	362S162-33 250S162-33	
" MAX	WEIGHTS ARE AS DEFINED ON S10.		1.26-1.45	3/S4	8'-0"	42	336	5'-0" < 'X' < 7'-3"	362S162-33	1/S7, 2/S7, 2/S13
.0-16		BOTTOM TRACK PER SCHEDULE	1.46-1.95	0 2 0 3/S4	8'-0"	56	448	'X' < 5'-0" 5'-0" < 'X' < 7'-3"	250S162-33 362S162-33	1/S7, 2/S7, 2/S13
	GYP BOARD TO BE	ON 1/S4. PROVIDE #10 S.M.S.			0					
	INSTALLED FULL HEIGHT ON BOTH	INTO EACH FLANGE OF EACH STUD.			CONDI		9 FT MAX INTERIOR	R WALL (SEE NOTE	<u>4)</u>	
	SIDES OF WALL, OR PROVIDE LATERAL BRACING PER S12 @	<pre></pre>	SDS	TOP TRACK TO STUD CONN DETAIL	BRACELOK SPACING	MAX ASD TOP TRACK REACTION (PLF)	ASD HORIZ LOAD AT BRACE (LB) ('F')	PLENUM HEIGHT	BRACE SIZE	BRACE TO STRUCTURE CONN DETAIL
	48" OC MAX	CONC FILLED METAL DECK. fc = 3,000 PSI MIN.	0.25-0.99	1G 3/S4	8'-0"	77	616	'X' < 5'-0"	362S162-33	1/S7, 2/S7, 2/S13
1	ANCHOR BOTTOM	(SAND LWC OR NWC) NOTES:	LDL					5'-0" < 'X' < 8'-6"	(2)-362S162-33	3
	1/S4	1. SEISMIC REACTIONS AT         2. CONNECTION DEMANDS         SYSTEM AND THE SUPF         3. LOADS GIVEN DO NOT I         4. PARTITION CONDITIONS         5. FOR WALL TYPES THAT         CHARGE TO PROVIDE J         6. 'F' REFERS TO THE FOR         7. NOTES & DETAIL CALLC	S ARE PR PORTING S NCLUDE ( S A, B, C, 7 DO NOT   USTIFICA CE BEINC	OVIDED TO ALI STRUCTURE. OVER-STRENG AND D ARE AS MEET THE CRI TION THAT THE RESISTED BY	LOW RDP IN F TH FACTOR ( DEFINED ON TERIA OF COI E TOP TRACK CEACH BRAC	RESPONSIBLE CHA OMEGA). FOR CO SHEET S10 AND S NDITIONS A, B, C, ( DEMAND IS LOWE ELOK RETRO CON	ARGE TO VERIFY NC NCRETE ATTACHME 11 . OR D AS DEFINED O ER THAN THOSE IN 1 NECTOR. DEMANDS	ENTS SEE ASCE 7-1 IN SHEETS S10 ANE THE TABLE ABOVE.	6 TABLE 13.5- ) S11; RDP IN	1. RESPONSIBLE
		DEGENKOLB ENGINEERS		BRACELOK	M RETRO C		Drawn: JE	B Job n	umber: <b>B87690</b> (	07.01 Sheet
AL S	PROFESSIONAL DE	genkolb 225 Broadway, Suite 1325 San Diego, CA 92101 619.515.0299 PHONE		Title		O. SPT-10-R	Design: PG			S3
REGISTER		619.515.0299 PHONE www.degenkolb.com		WALL SECT	ION & SCHED	ULES	Check: AC Date 07/	;	1/2" = 1'-0	OF Sheets
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DEGENKOLB ENGINEERS www.degenkolb.com

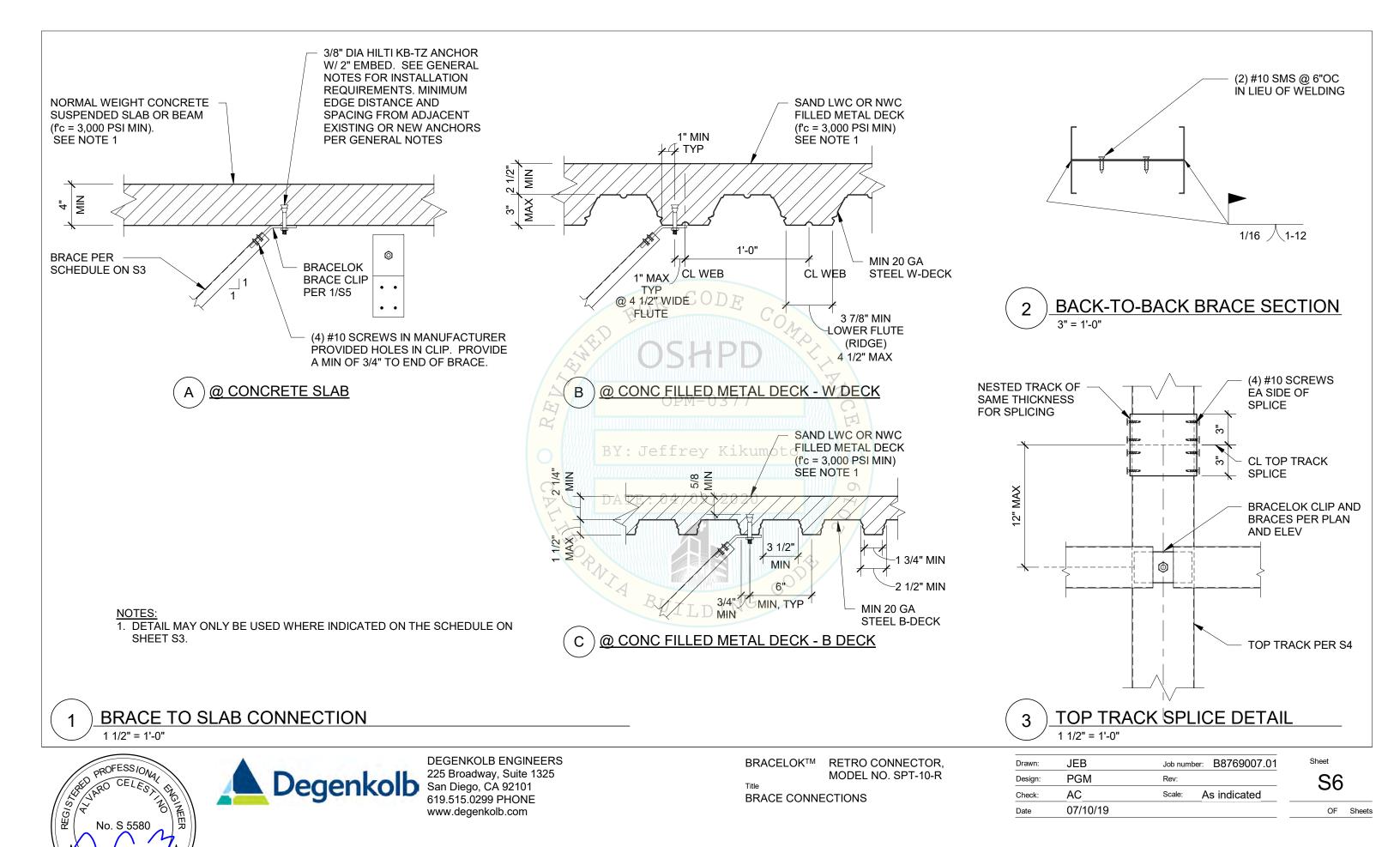
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BRACELOK CONNECTIONS

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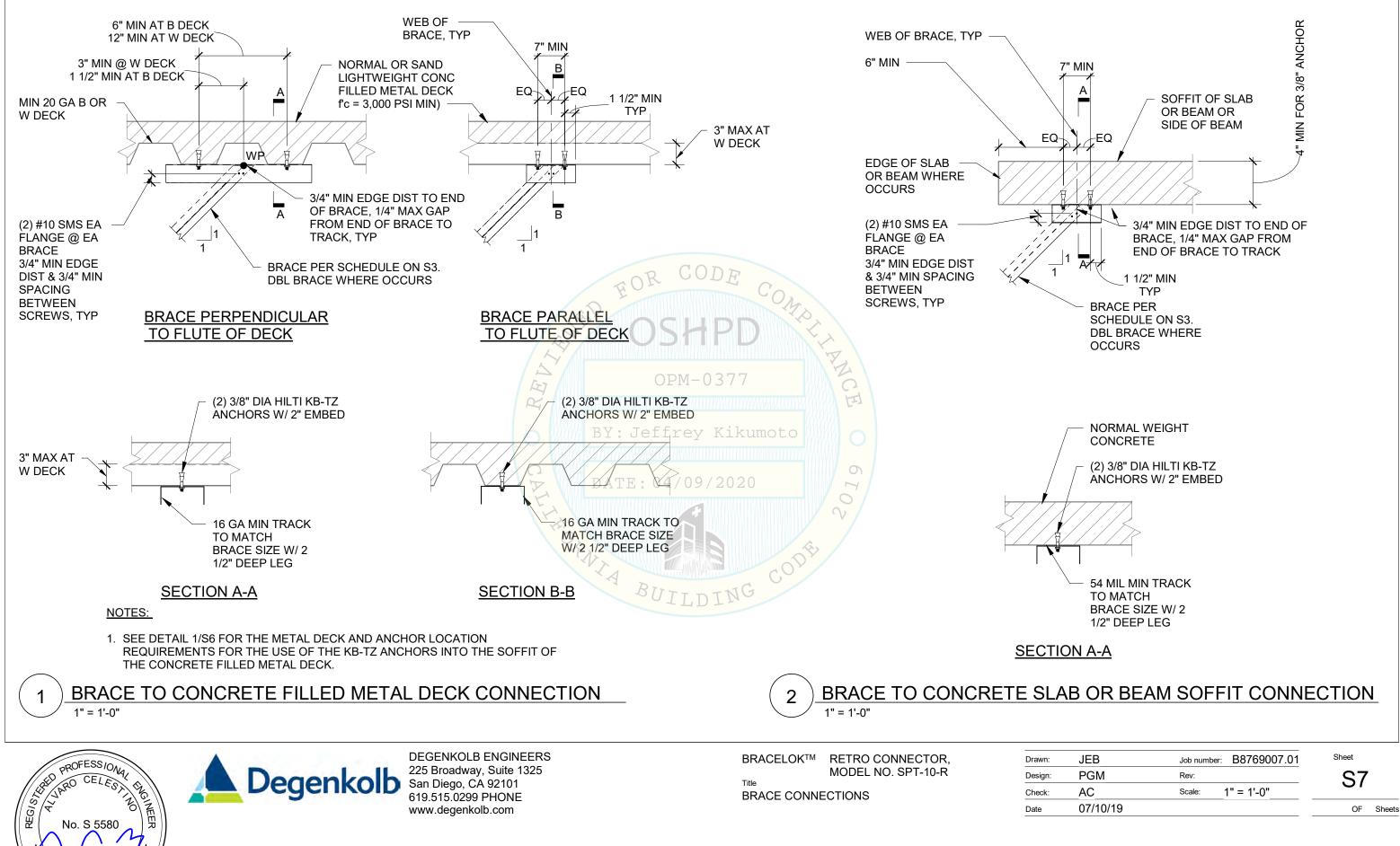
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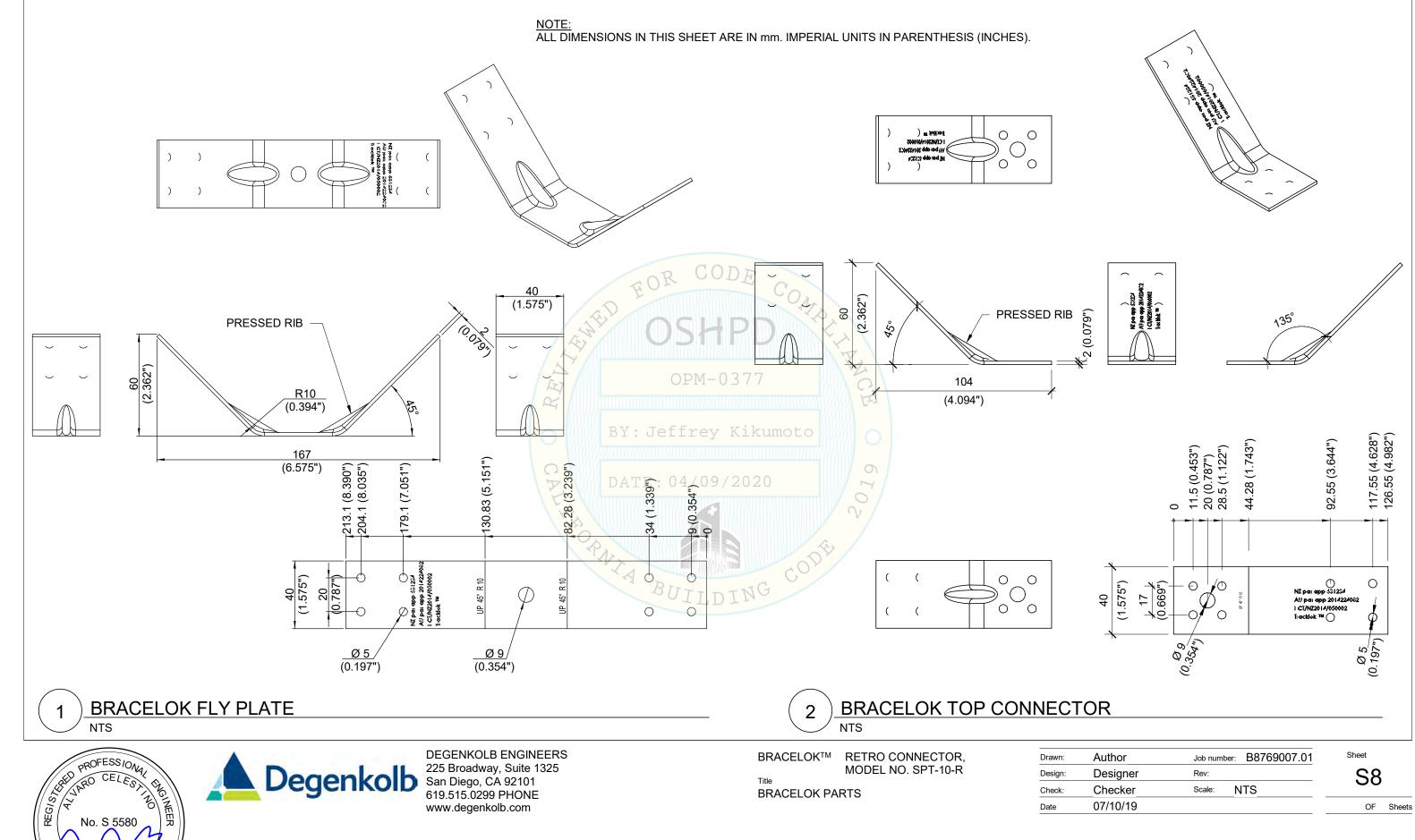
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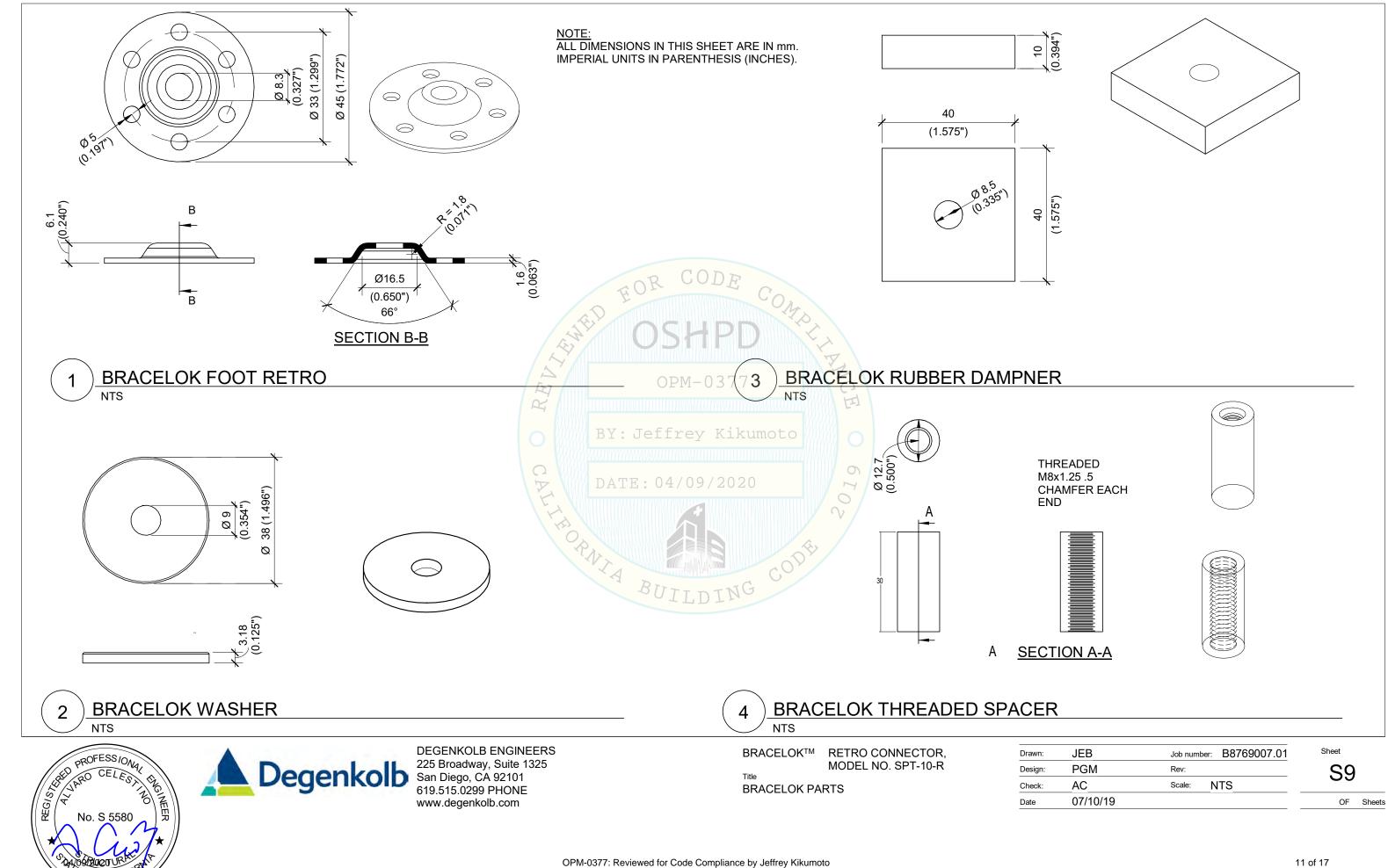
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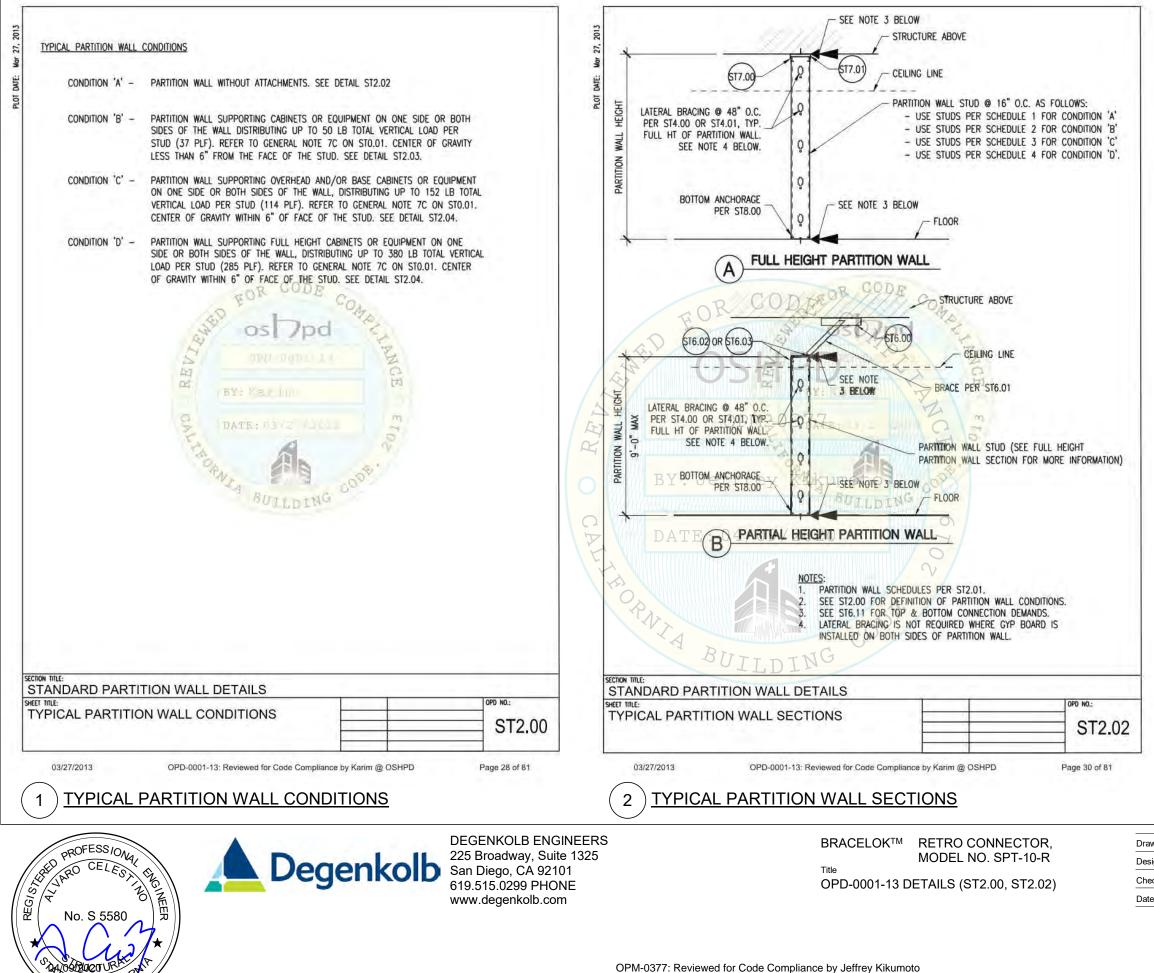


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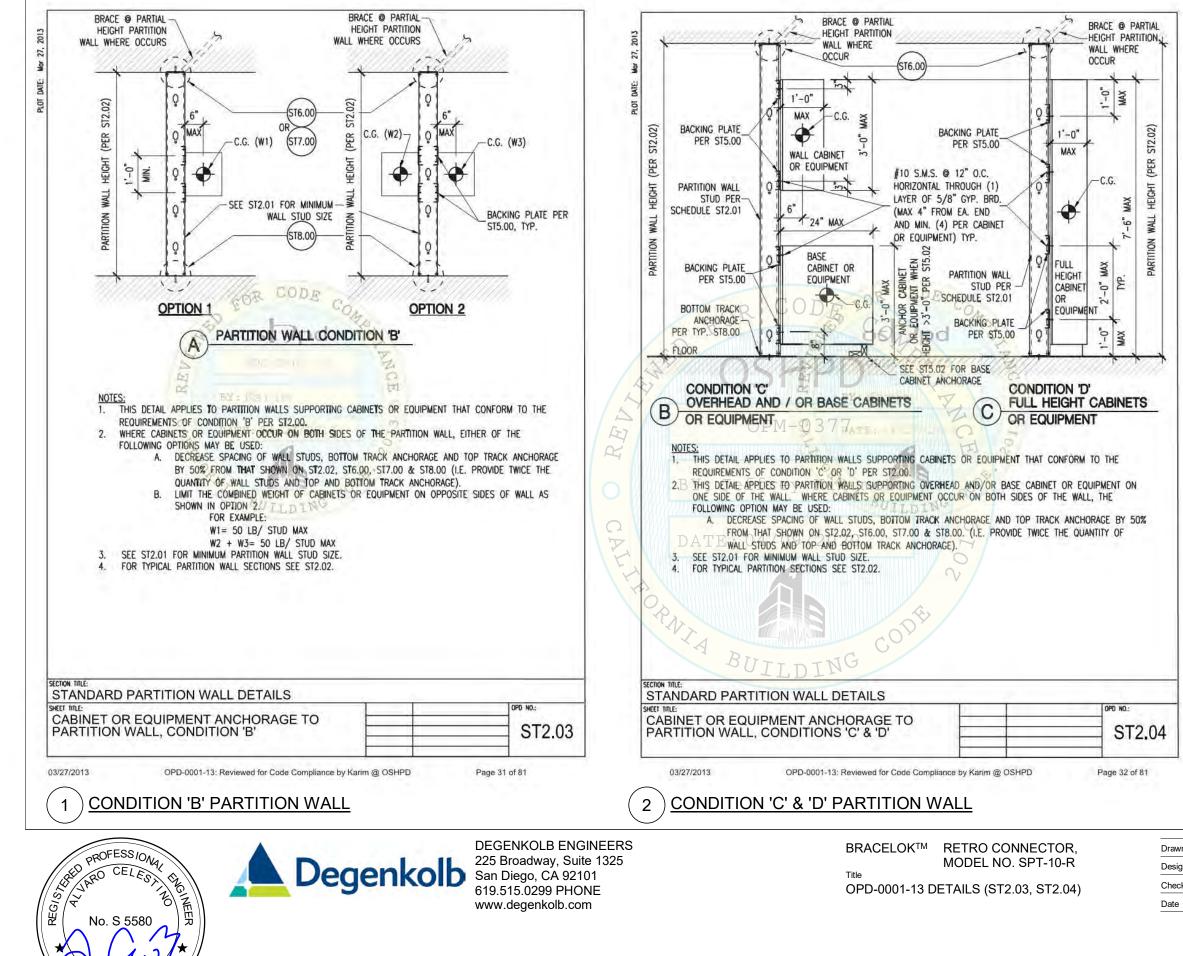


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# SHEET NOTES:

- 1. THIS OPM IS BASED ON THE FOLLOWING SYSTEM WEIGHTS:
  - PARTITION WALLS=7.5 psf [INCLUDES METAL STUDS, (2) LAYERS OF GYPBD, (2) LAYERS ON (1) SIDE OR (1) LAYER ON BOTH SIDES, & 1 psf FOR **INSULATION & FINISHES1**
  - CABINETS=38 pcf (INCLUDES CONTENTS AT 33 pcf PER 2019 CBC TABLE 1607A.1 & CABINET SELF WT OF 5 pcf)
  - EQUIPMENT=38 pcf (EQUIPMENT LOAD IS ASSUMED TO BE THE SAME AS CABINET LOAD)
- 2. NOTES & DETAIL CALLOUTS IN SPECIFIC DETAILS TAKE PRECEDENCE OVER THE "OPD" DETAILS CALLED OUT ON THIS SHEET.
- 3. SEE SCHEDULE ON SHEET S3 FOR APPLICABLE STUD AND BRACE SIZE INFORMATION.

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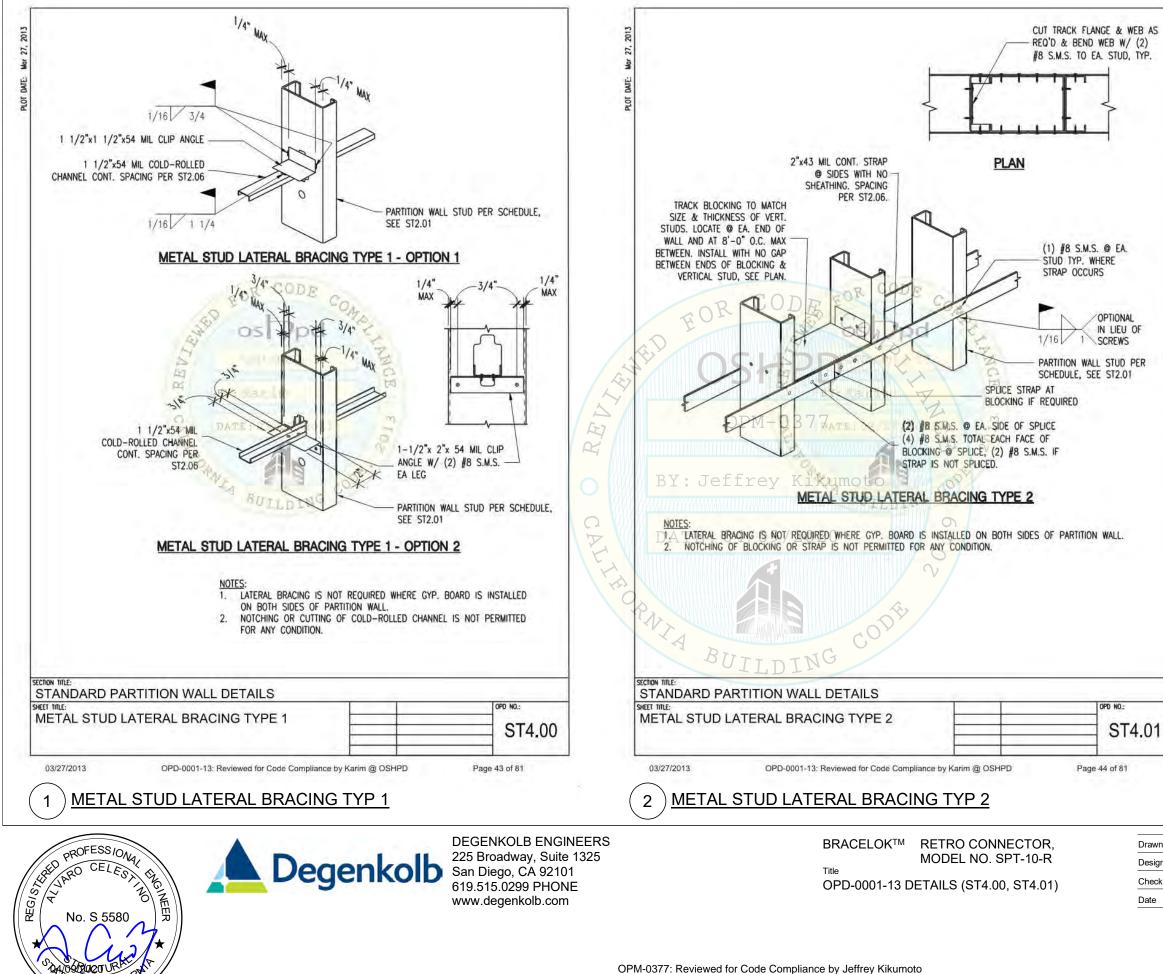


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# SHEET NOTES:

- 1. NOTES & DETAIL CALLOUTS IN SPECIFIC DETAILS TAKE PRECEDENCE OVER THE "OPD" DETAILS CALLED OUT ON THIS SHEET.
- 2. SEE GENERAL NOTES FOR EXPANSION ANCHOR, SCREW ANCHOR, SHEET METAL SCREW, AND PAF REQUIREMENTS.
- 3. SEE SCHEDULE ON SHEET S3 FOR APPLICABLE STUD AND BRACE SIZE INFORMATION.

awn:	JEB	Job number:	38769007.01	Sheet	
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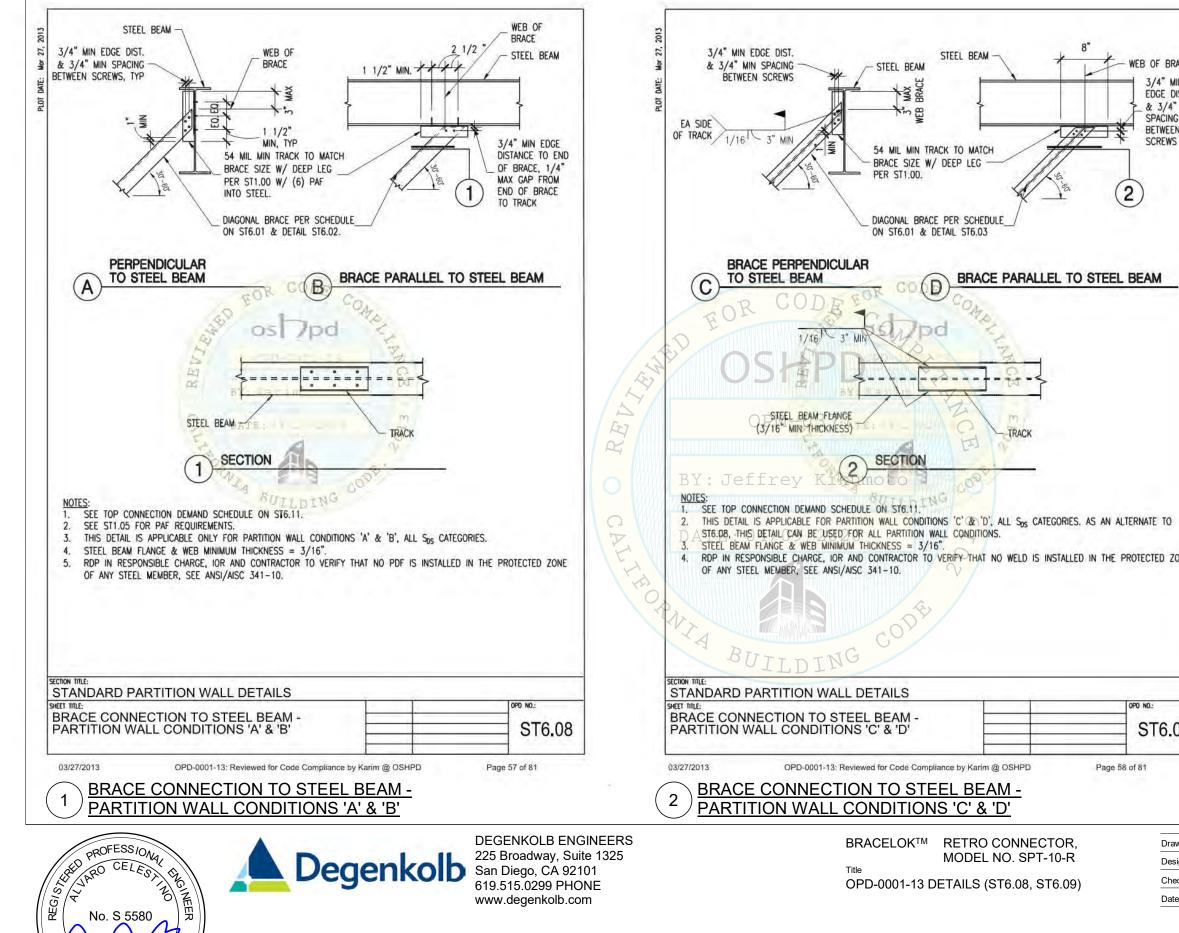


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SHEET NOTES:							

- 1. NOTES & DETAIL CALLOUTS IN SPECIFIC DETAILS TAKE PRECEDENCE OVER THE "OPD" DETAILS CALLED OUT ON THIS SHEET.
- 2. SEE GENERAL NOTES FOR EXPANSION ANCHOR, SCREW ANCHOR, SHEET METAL SCREW, AND PAF REQUIREMENTS.
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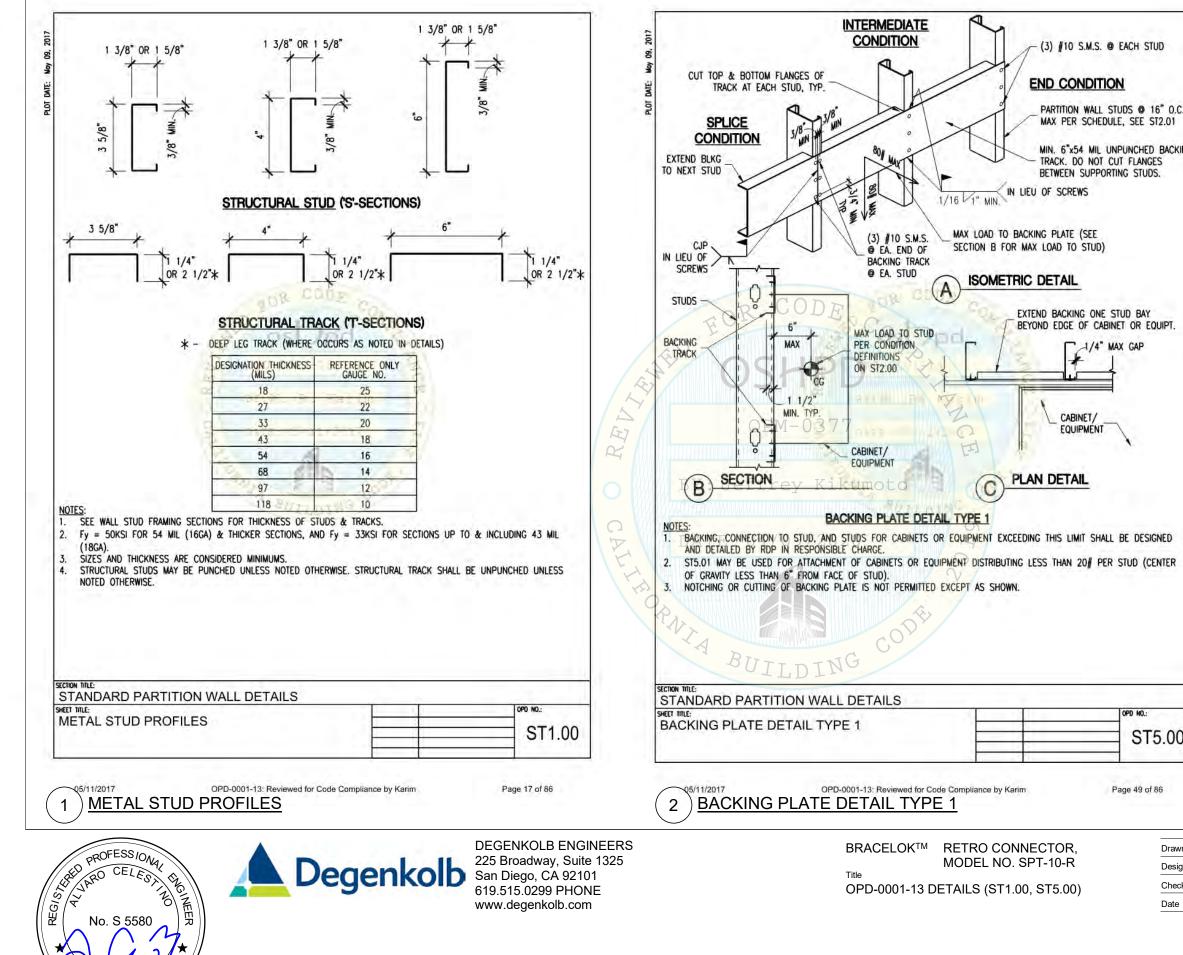
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	2. SEE GENERAL NOTES FOR EXPANSION ANCHOR, SCREW ANCHOR, SHEET METAL SCREW, AND PAF REQUIREMENTS.
	3. SEE SCHEDULE ON SHEET S3 FOR APPLICABLE STUD AND BRACE SIZE INFORMATION.
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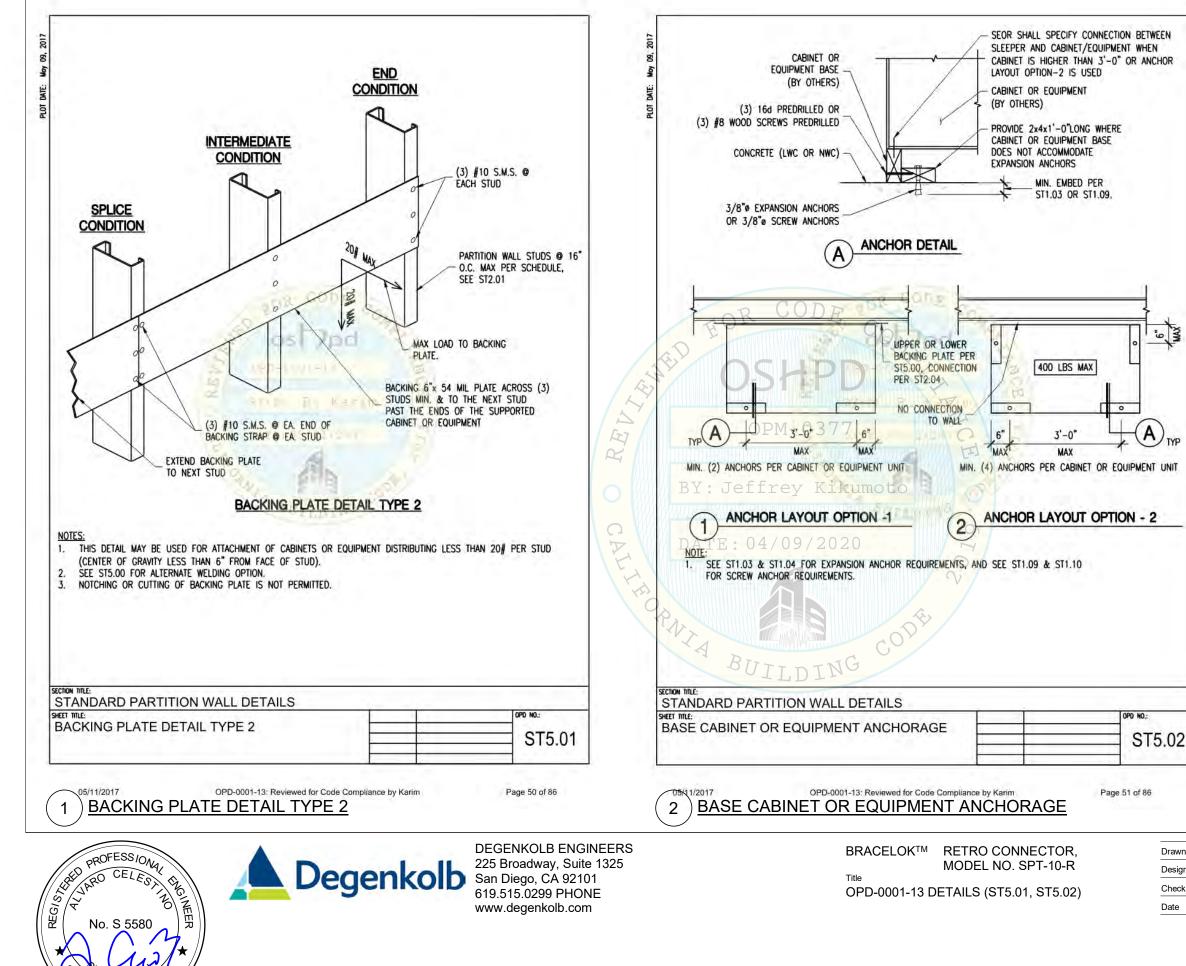


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	2. SEE GENERAL NOTES FOR EXPANSION ANCHOR, SCREW ANCHOR, SHEET METAL SCREW, AND PAF REQUIREMENTS.
	3. SEE SCHEDULE ON SHEET S3 FOR APPLICABLE STUD AND BRACE SIZE INFORMATION.
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# SHEET NOTES:

- 1. NOTES & DETAIL CALLOUTS IN SPECIFIC DETAILS TAKE PRECEDENCE OVER THE "OPD" DETAILS CALLED OUT ON THIS SHEET.
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