

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

- Aldel lock	
APPLICATION FOR OSHPD PREAPPROVAL O	OFFICE USE ONLY
MANUFACTURER'S CERTIFICATION (OPM)	APPLICATION #: OPM-0642
OSHPD Preapproval of Manufacturer's Certification (OPM)	
Type: X New Renewal/Update	
Manufacturer Information	
Manufacturer: STARC Systems	
Manufacturer's Technical Representative: Bruce Bickford	
Mailing Address: 112 Orion St, Brunswick, ME 04011	
Telephone: (207) 504-5673 Email: bruce@s	tarcsystems.com
EOR COD	ECOM
Product Information OSHI	2D
Product Name: FireblockWall System	T ₂
Product Type: Reusable modular fire-rated wall panel system for co	ntainment solutions
(6,12,92,104);FB-IC135-(6,12,92,104);FB-F	-OC90-(6,12,92,104);FB-IC90-(6,12,92,104);FB-OC135- ID-48- 00276;100272;100273;100274;100275;100556;100164;1002
General Description: Reusable modular wall panels and component	s that can be pieced together to create interior barrier walls
CANT A DECEMBER OF THE PROPERTY OF THE PROPERT	CODE
Applicant Information BUILDI	NG
Applicant Company Name: STARC Systems	

Mailing Address: 112 Orion St, Brunswick, ME 04011

Contact Person: Bruce Bickford

Telephone: (207) 504-5673 Email: bruce@starcsystems.com

Title: VP Product Development

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

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OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

legistered Design Professonal Preparing Engineering Recommendations
ompany Name: DEGENKOLB ENGINEERS
ame: Chad Closs California License Number: S5946
lailing Address: 225 Broadway, Suite 1325, San Diego, CA 92101
elephone: (858) 699-5412 Email: ccloss@degenkolb.com
SHPD Special Seismic Certification Preapproval (OSP)
Special Seismic Certification is preapproved under OSP OSP Number:
<u></u>
OR GODE
Pertification Method
esting in accordance with: CC-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 riteria other than those adopted in the CBSC 2019 may be used when approved by OSHPD prior to testing.
Analysis BY: William Staehlin
Experience Data DATE: 12/06/2021
Combination of Testing, Analysis, and/or Experience Data (Please Specify):
CODE CODE
SHPD Approval BUILDING
rate: 12/6/2021
ame: William Staehlin Title: Senior Structural Engineer
ondition of Approval (if applicable):

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







GENERAL NOTES

GENERAL

- 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 2. THROUGHOUT THE STATE OF CALIFORNIA, AND IS VALID FOR INTERIOR WALLS INSTALLED AT ANY HEIGHT WITHIN THE BUILDING. SEE Sps LIMITATIONS ON SHEET S3

RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD II.

- VERIFY MATERIALS AND WORKMANSHIP TO CONFORM WITH THE 2019 EDITION OF THE CALIFORNIA BUILDING CODE AND THE REQUIREMENTS OF THIS PRE-APPROVAL DOCUMENT.
- VERIFY THE ADEQUACY OF THE EXISTING FRAMING TO SUPPORT THE LOADS INDICATED ON THIS SHEET. IN ADDITION TO ALL OTHER LOADS.
- VERIFY ANCHORS ARE AT ADEQUATE DISTANCES FROM OPENINGS AND EDGES OF SLABS AS NOTED IN THE GENERAL NOTES SECTION IV.
- 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 THOSE DETAILED WITHIN THIS PRE-APPROVAL.
- VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2019 CBC AND WITH THE DETAILS SHOWN IN THIS PRE-APPROVAL
- VERIFY THAT THE SITE SEISMIC PARAMETERS DON'T EXCEED WHAT IS PERMITTED UNDER THIS OPM

COLD-FORMED METAL FRAMING

- STUDS: ASTM C955 AND ASTM A1003, "C" SHAPED WITH LIPPED FLANGES AND PUNCHED WEB. PROVIDE G60 COATING MINIMUM.
 - 43 MIL (18 GAGE) AND LIGHTER: GRADE 33 TYPE H
 - 54 MIL (16 GAGE) AND HEAVIER: GRADE 50 TYPE H
- TRACK: ASTM C955 AND ASTM A1003. "U" SHAPED WITH UN-PUNCHED WEB. PROVIDE G60 COATING MINIMUM.
 - MATCH DEPTH, THICKNESS AND GRADE OF STUDS.
- FRAMING DESIGNATIONS ON PLANS ARE BASED ON THE STEEL STUD
- MANUFACTURER'S ASSOCIATION (SSMA) PRODUCT TECHNICAL GUIDE (ICC-ESR-3064P). INSTALL STUDS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND ASTM
- C1007. SHEET METAL SCREWS: SELF-DRILLING, SELF-TAPPING, HDG PER ASTM A153. PAN OR
- HEX WASHER HEAD AS REQUIRED BY FINISH.
 - PRODUCTS: ITW-BUILDEX TEKS SELECT (ICC-ESR-3223), GRABBER DRIVALL (ICC-ESR-1271)
- 6. MINIMUM SCREW SPACING AND EDGE DISTANCE TO BE 3/4".
- POWDER ACTUATED FASTENERS: HILTI LOW-VELOCITY FASTENERS (ICC-ESR-2269).

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

- PAF SHALL NOT BE USED IN PRE-STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTING METHODS ARE USED TO LOCATE STRAND AND REINFORCEMENT PRIOR TO FASTENER INSTALLATION.
- TENSION TESTING IS NOT REQUIRED FOR POWDER ACTUATED FASTENERS USED TO ATTACH TRACKS OF INTERIOR NON-SHEAR WALL PARTITIONS FOR SHEAR ONLY. WHERE THERE ARE AT LEAST THREE FASTENERS PER SEGMENT OF TRACK.

MECHANICAL ANCHORS

- EXPANSION OR WEDGE ANCHORS INTO CONCRETE: HILTI KB-TZ2 (ICC ESR-4266), SIMPSON STRONG-BOLT 2 (ICC-ESR-3037) OR DEWALT POWER-STUD+ SD2 (ICC-
- 2. INSTALL ANCHORS IN ACCORDANCE WITH LATEST ICC-ESR REPORT AND MANUFACTURER INSTRUCTIONS.
- WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER DRIVEN PINS IN (E) NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE (E) REINFORCING BARS. WHEN INSTALLING THEM INTO (E) PRESTRESSED CONCRETE (PRE- OR POST-TENSIONED) LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH OR 3 ANCHOR DIAMETERS. WHICHEVER IS GREATER. BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.
- 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:
 - TORQUE WRENCH METHOD: TEST ANCHORS TO THE TORQUE LOAD INDICATED IN THE TABLE BELOW WITHIN THE FOLLOWING LIMITS:
 - ONE-HALF TURN OF THE NUT.

UAARYYIIAA				
WEDGE-TORQUE LOAD (FT-LBS)				
ANCHOR DIA. (IN)	ICC ESR 2502			
1/4	4	-0		
DAT3/8 12/0	06/20230	20 /		

FOR POST INSTALLED ANCHORS USED FOR NONSTRUCTURAL APPLICATIONS, 50 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.

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"

IF ANY ANCHOR FAILS TESTING, ALL OF ANCHORS OF THE SAME TYPE SHALL BE TESTED, WHICH ARE INSTALLED BY THE SAME TRADE, NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS. THEN RESUME THE INITIAL TEST FREQUENCY.

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:
 - A. 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.

VII. **DESIGN CRITERIA**

- APPLICABLE CODE: 2019 CALIFORNIA BUILDING CODE.
- 2. SEISMIC DESIGN:

SEISMIC FORCE F (LRFD) = $0.4 * \underline{S}_{DS} * \underline{a}_{p} (1 + 2 * Z/h) Wp$ (R_p / I_p)

WHERE:

MAX ACCEL. (SEE S2) $S_{DS} = 1.95$

lp = 1.5

Ž/h= 1.0 FOR ANY FLOOR

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

HOW TO USE THIS PRE-APPROVAL VIII.

- REVIEW AND UNDERSTAND ALL GENERAL NOTES AND FIGURES BEFORE
- FOR THE TYPICAL PARTITION WALL CONDITION AND SEISMICITY (SDS):
 - DETERMINE THE TOP TRACK CONDITION AND BRACE SPACING FROM THE TABLES ON S2 AND BRACE LAYOUT 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 TABLE ON S2, AND VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE WITH THE STRUCTURAL ENGINEER OF RECORD FOR THE BUILDING.
- FOR THE TYPICAL PARTITION WALL WITH LID CONDITION AND SEISMICITY (SDS): BASED ON THE STRUCTURE TYPE, SELECT A WALL BASE CONNECTION FROM THE TABLE ON S4.
 - DETERMINE THE IMPACT ON THE EXISTING STRUCTURE FROM THE TABLE ON S7, AND VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE WITH THE STRUCTURAL ENGINEER OF RECORD FOR THE BUILDING.

SHEET LIST

GENERAL NOTES

TYPICAL PARTITION WALL SECTION & **BRACING SCHEDULE**

BRACING LAYOUT PLANS

TOP & BOTTOM CONNECTIONS

S5 CONNECTIONS CONTD. S6 TEMPORARY (LESS THEN 30 DAYS) ATTACHMENT

S7 TYPICAL WALL W/ LID SECTION

- S8 STARC WALL ASSEMBLY
 - STARC WALL ASSEMBLY LID CONDITION
 - S10 STARC SYSTEM PARTS S11 STARC SYSTEM PARTS

S12 OPD-0001-13 DETAILS (ST6.04, ST6.05)

S13 OPD-0001-13 DETAILS (ST6.06, ST6.07)

S14 OPD-0001-13 DETAILS (ST6.08)

S15 OPD-0001-13 DETAILS (ST9.01, ST9.02)

SH Job number: C0816002.00 Drawn KK Design: KK NTS Check: Date 07/01/2021



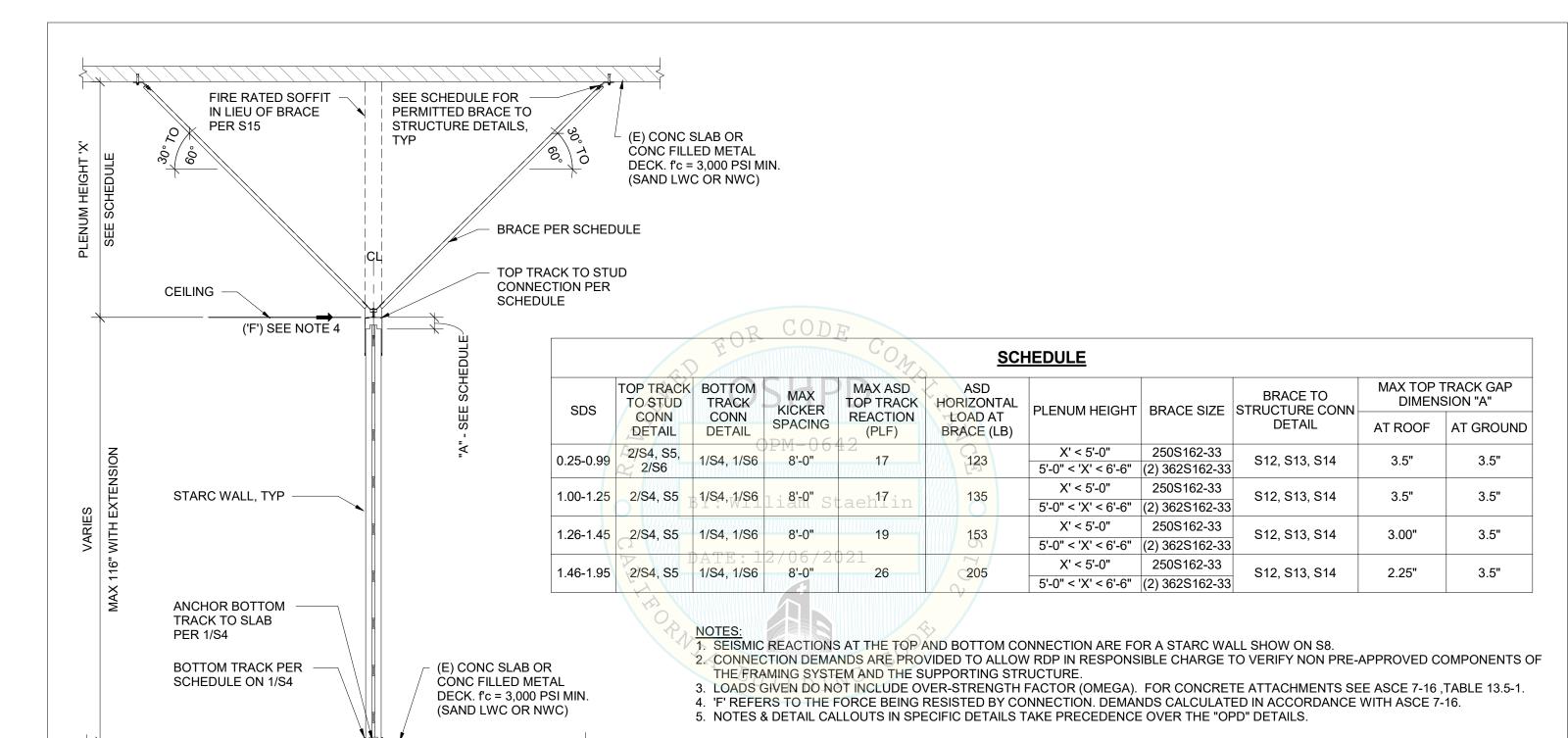




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GENERAL NOTES



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PROFE

SECTION

TYPICAL WALL SECTION AND SCHEDULES

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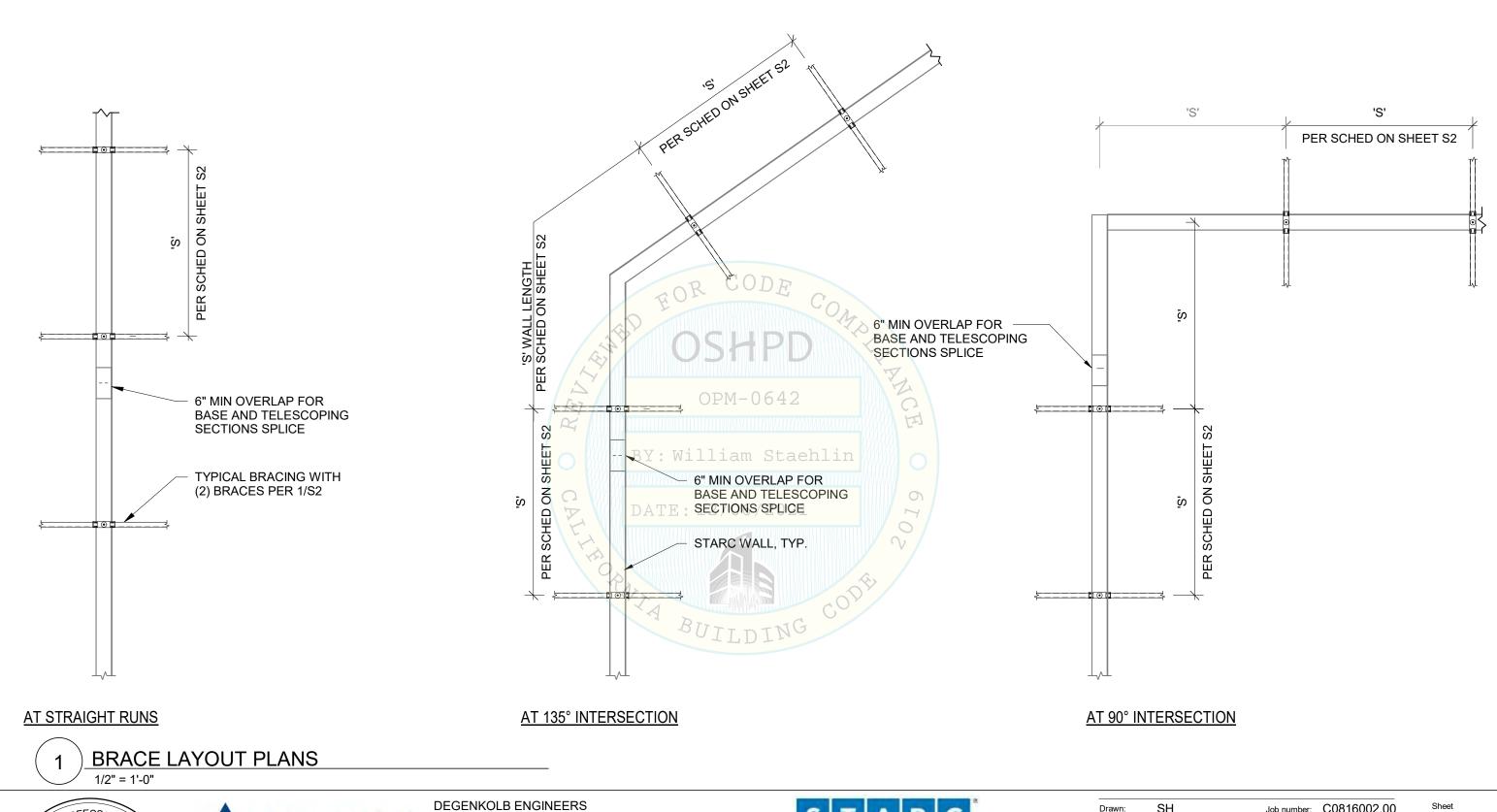
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TYPICAL PARTITION WALL SECTION & BRACING SCHEDULE

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Date 07/01/2021	Date	07/01/2021			_

S2







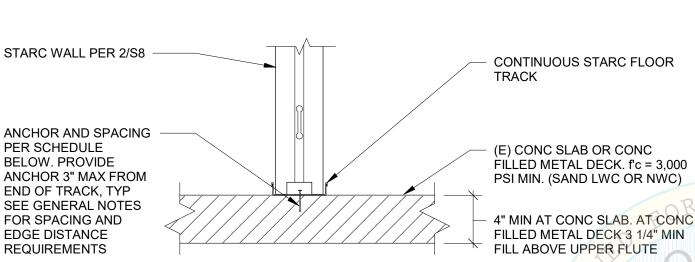
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BRACING LAYOUT PLANS

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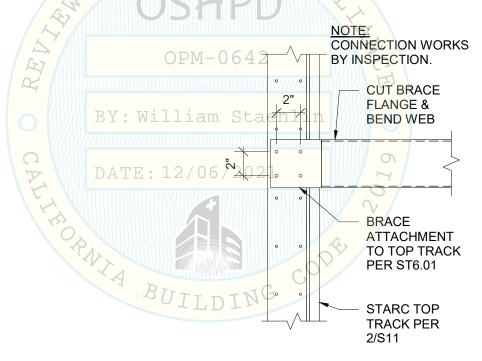
S3	
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PROVIDE (4) #10 SMS TO EACH BRACE FROM BRACELOK CLIP IN **BRACES PER** MANUF PROVIDED HOLES SCHEDULE ON S2. TYP BRACELOK CLIP (MODEL No. SPT-10-R) w/ (6) #10 SMS IN MANUF PROVIDED HOLÉS: CNTR RETRO FOOT ON TOP TRACK STARC TOP TRACK PER 2/S11 STARC WALL PER 2/S8 CODE

BRACELOK STUD BRACING

MAXIMUI	M FASTENER SPAC	ING AT BOTTOM CO	ONNECTION (INCHES)
Sps	BOTTOM REACTION (PLF)	1/4"DIA EXP ANCHOR W/ 1 1/2" EMBED	3/8" DIA EXP ANCHOR W/ 2" EMBED
0.25-0.99	17	8'-0"	8'-0"
1.00-1.25	17	8'-0"	8'-0"
1.26-1.45	19	8'-0"	8'-0"
1.46-1.95	26	8'-0"	8'-0"



BRACE CONNECTION TO TOP TRACK. **CUT FLANGES &** SEE PLAN VIEW BEND WEB BACK CL ALTERNATE **BRACE SIZE & BRACE IF** SPACING PER **POSSIBLE** SCHEDULE ON S3 CEILING SCHEDULE STARC TOP TRACK PER 2/S11 PER STARC WALL PER 2/S8

METAL STUD BRACING - PLAN VIEW

METAL STUD BRACING - SIDE VIEW

BOTTOM TRACK CONNECTION

TOP TRACK CONNECTION 1 1/2" = 1'-0"





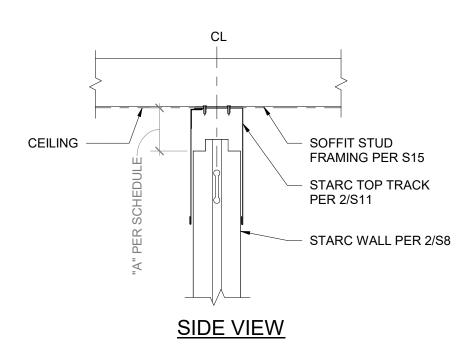
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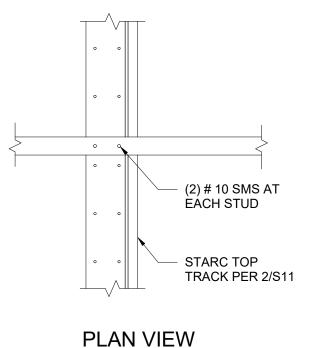


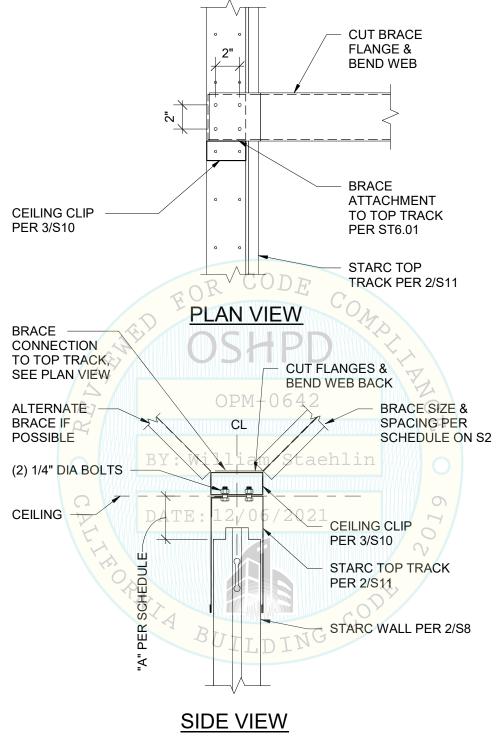
TOP & BOTTOM CONNECTIONS

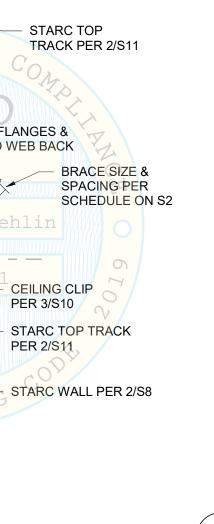
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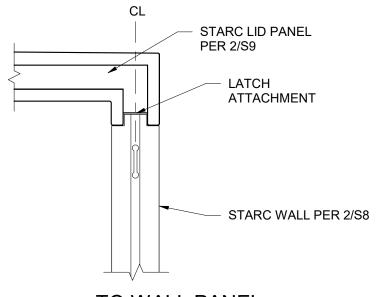




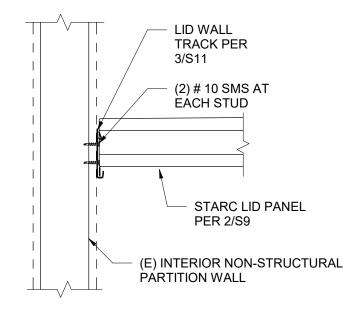








TO WALL PANEL



TO (E) WALL

SOFFIT CONNECTION 1 1/2" = 1'-0"

CLIP CONNECTION 1 1/2" = 1'-0"

CONNECTIONS CONTD.

LID CONNECTION 1 1/2" = 1'-0"

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Date	07/01/2021		

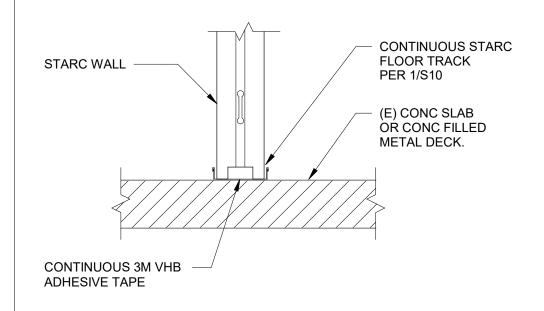
S5 OF Sheets

Sheet

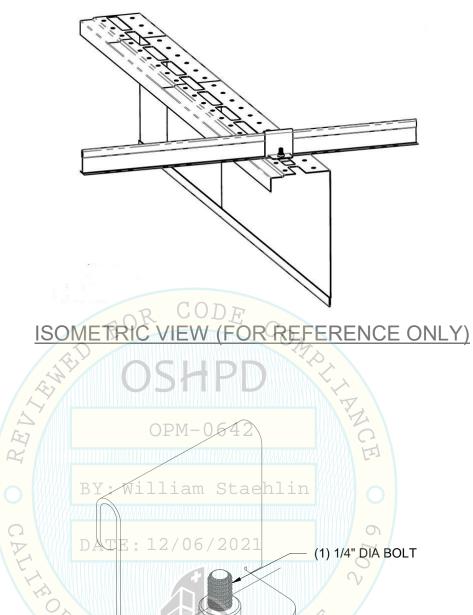


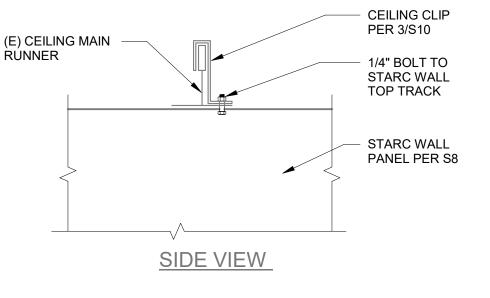


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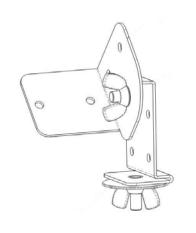


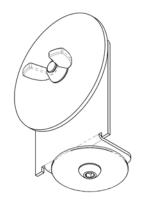
BOTTOM CONNECTION











CEILING GRID CLIP

ALTERNATE CEILING GRID CLIP

NOTE: THESE CLIPS ARE ONLY INTENDED FOR ERECTION PURPOSES AND CEILING RUNNERS SHOULD NOT BE USED FOR SUPPORTING WALLS.







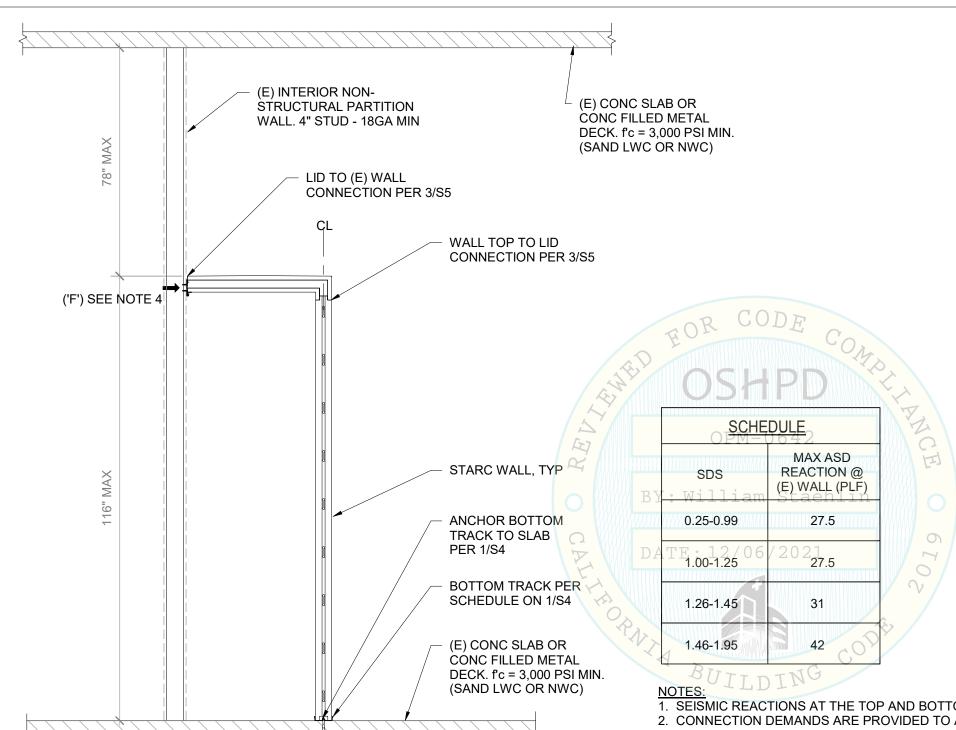
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TEMPORARY (LESS THEN 30 DAYS) ATTACHMENT

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Design:	KK	Rev:	
Check:	KK	Scale:	1 1/2" = 1'-0"
Date	07/01/2021		

Sheet **S6**



- 1. SEISMIC REACTIONS AT THE TOP AND BOTTOM CONNECTION ARE FOR A STARC WALL SHOW ON S7.
- 2. CONNECTION DEMANDS ARE PROVIDED TO ALLOW RDP IN RESPONSIBLE CHARGE TO VERIFY NON PRE-APPROVED COMPONENTS OF THE FRAMING SYSTEM AND THE SUPPORTING STRUCTURE.
- 3. LOADS GIVEN DO NOT INCLUDE OVER-STRENGTH FACTOR (OMEGA). FOR CONCRETE ATTACHMENTS SEE ASCE 7-16 ,TABLE 13.5-1.
- 4. 'F' REFERS TO THE FORCE BEING RESISTED BY CONNECTION. DEMANDS CALCULATED IN ACCORDANCE WITH ASCE 7-16.
- 5. NOTES & DETAIL CALLOUTS IN SPECIFIC DETAILS TAKE PRECEDENCE OVER THE "OPD" DETAILS.



1/2" = 1'-0"





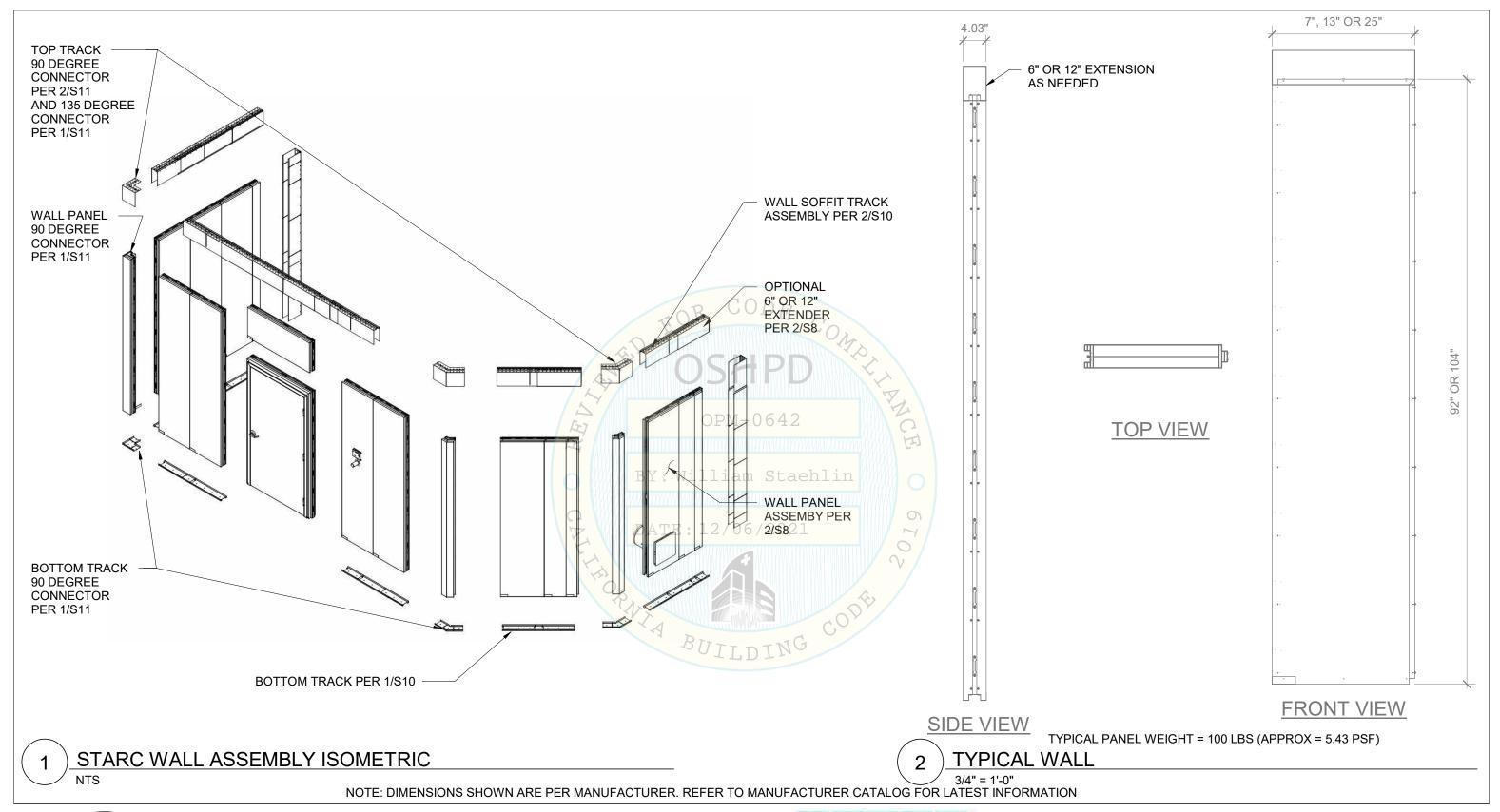
SECTION

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Date	07/08/21		

S7	
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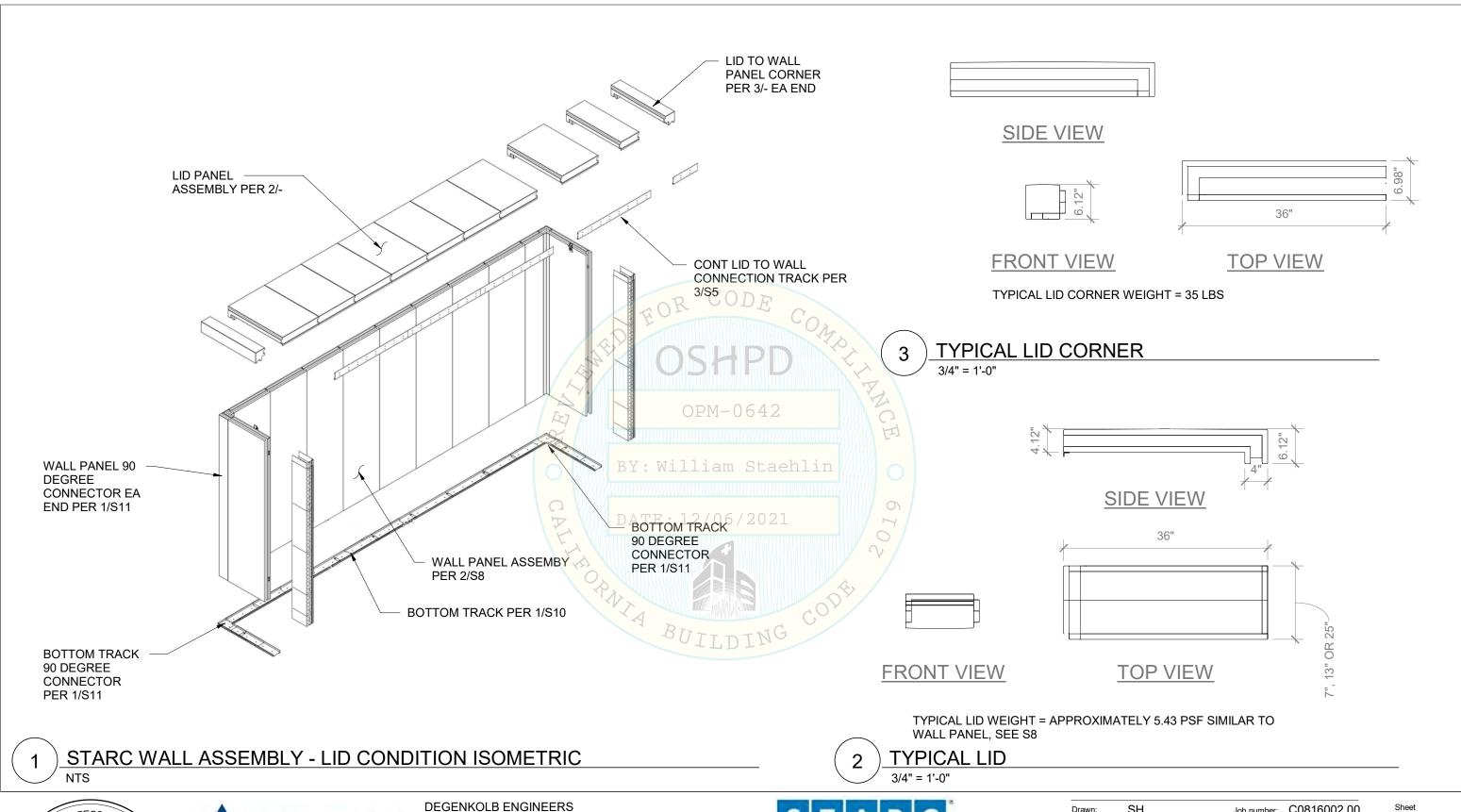
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STARC WALL ASSEMBLY

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Design:	KK	Rev:			
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Date	07/01/2021				

S8 OF Sheets







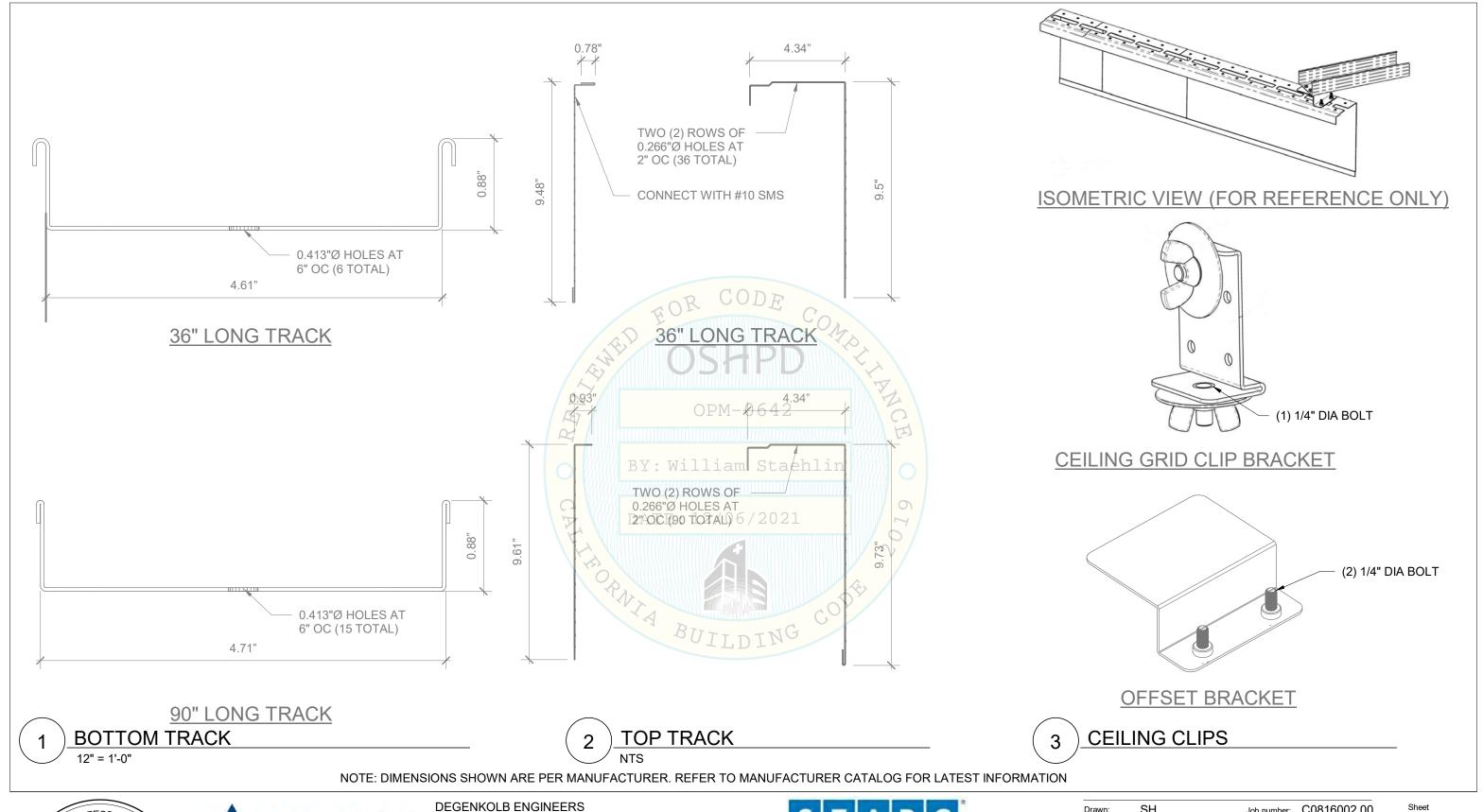
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STARC WALL ASSEMBLY - LID CONDITION

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Design:	KK	Rev:	
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Date	07/08/21		

S9 OF Sheets







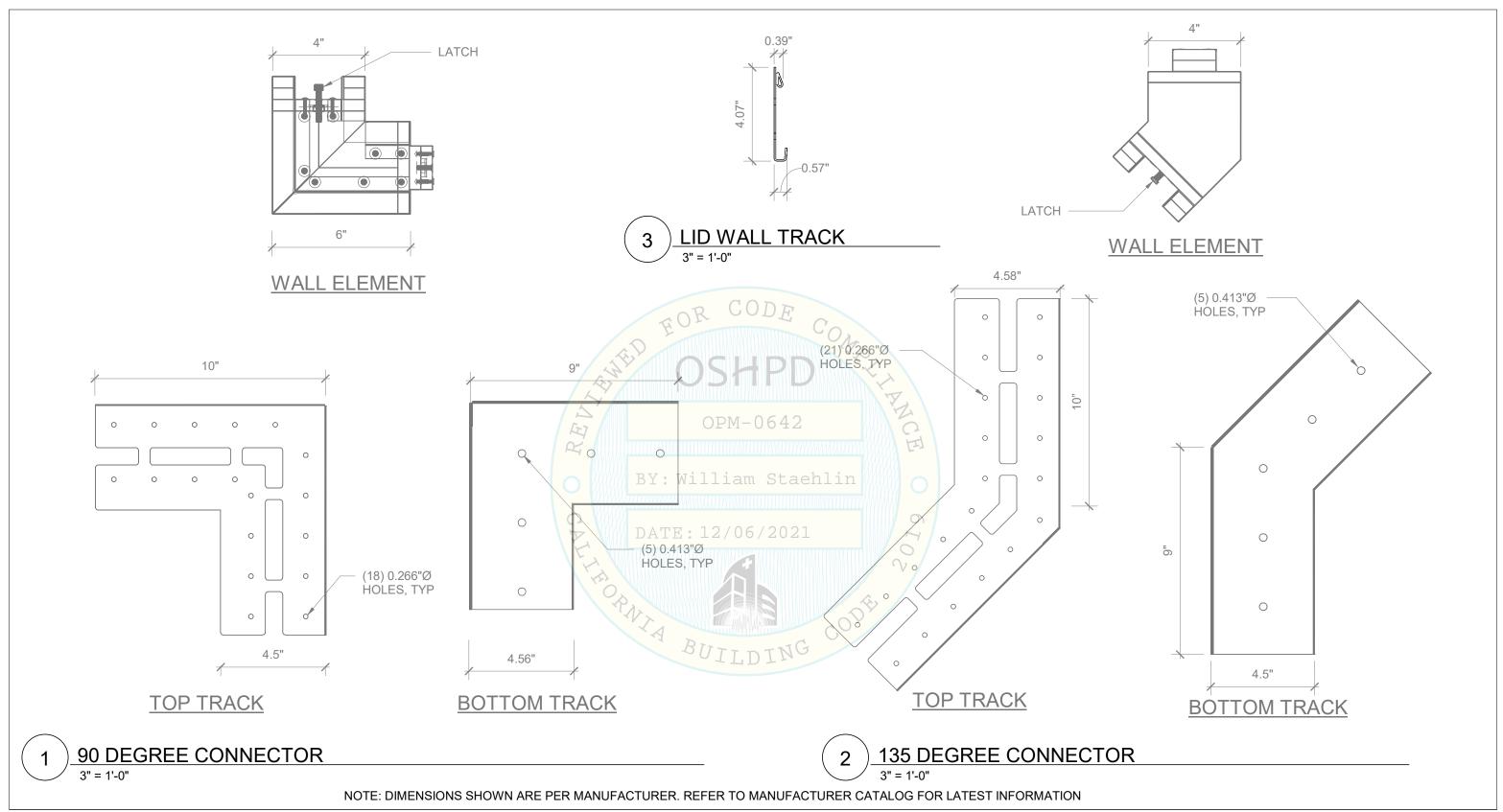
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STARC SYSTEM PARTS

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Design:	KK	Rev:	
Check:	KK	Scale:	As indicated
Date	07/01/2021		

S10 OF Sheets







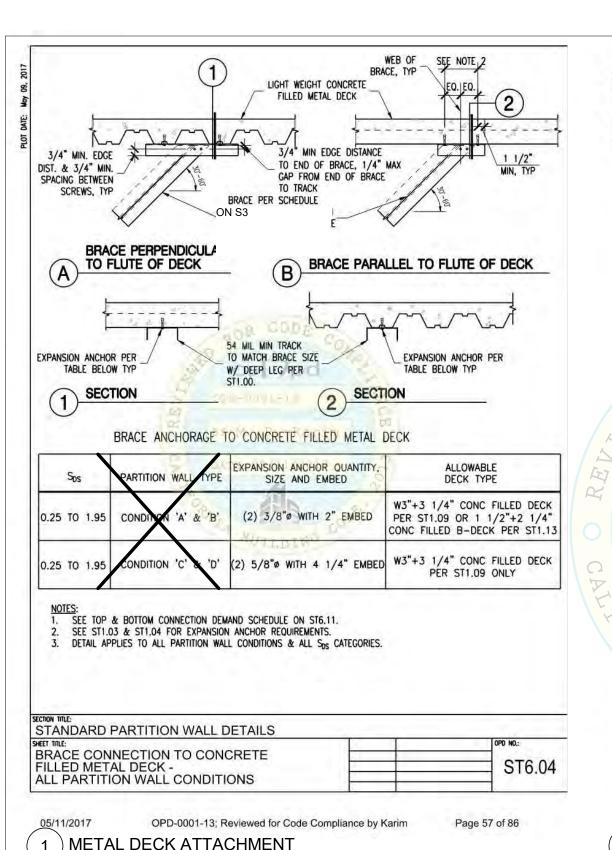
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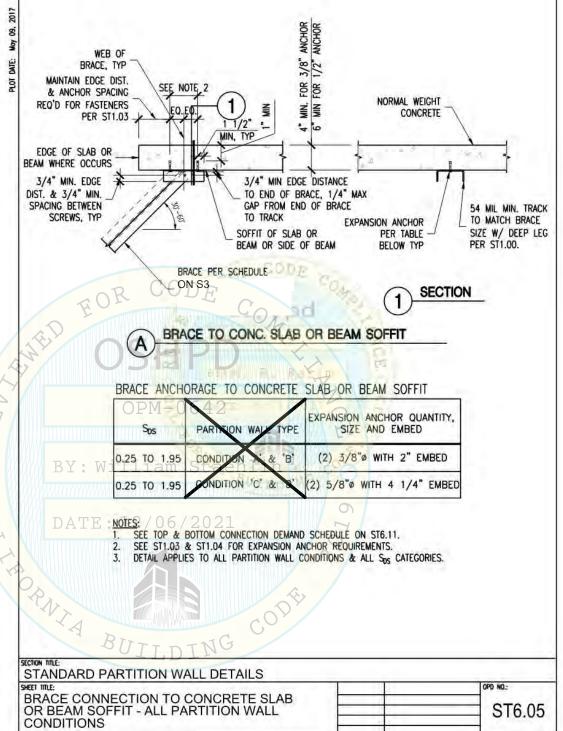


STARC SYSTEM PARTS

Drawn:	SH	Job numb	per: C0816002.00
Design:	KK	Rev:	
Check:	KK	Scale:	3" = 1'-0"
Date	07/01/2021		

Sheet **S11** OF Sheets





SHEET NOTES:

- 1. THIS OPM IS BASED ON STARC WALL WEIGHT OF APPROX. 5.43 PSF.
- 2. NOTES & DETAIL CALLOUTS IN SPECIFIC DETAILS TAKE PRECEDENCE OVER THE "OPD" DETAILS CALLED OUT ON THIS SHEET.
- 3. SEE GENERAL NOTES FOR EXPANSION ANCHOR. SHEET METAL SCREW, AND PAF REQUIREMENTS.
- 4. SEE SCHEDULE ON SHEET S3 FOR APPLICABLE STUD AND BRACE SIZE INFORMATION.

05/11/2017

OPD-0001-13; Reviewed for Code Compliance by Karim

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CONCRETE SLAB ATTACHMENT



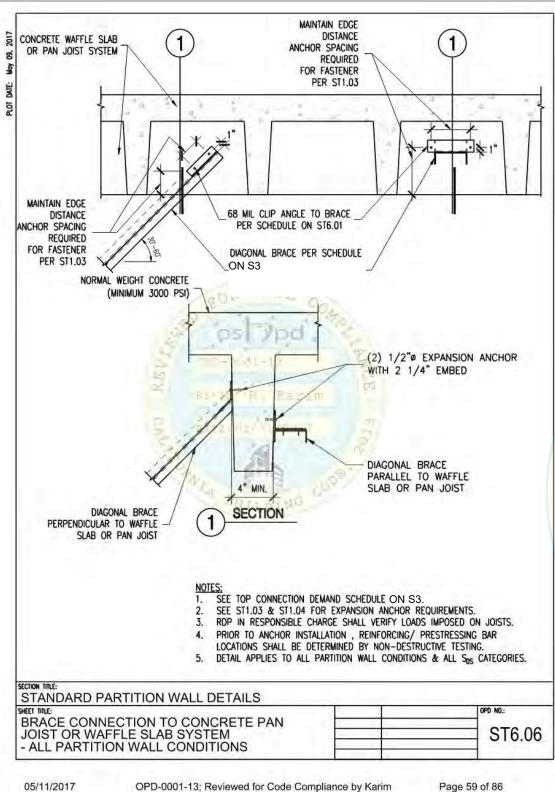
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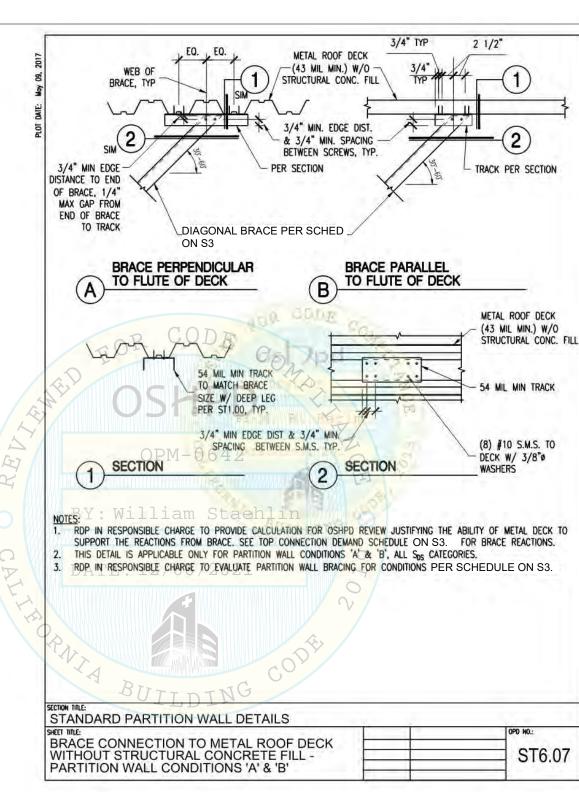


OPD-0001-13 DETAILS (ST6.04, ST6.05)

Drawn:	SH	Job number:	C0816002.00
Design:	KK	Rev:	
Check:	KK	Scale:	
Date	07/01/2021		

S12





SHEET NOTES:

- 1. THIS OPM IS BASED ON STARC WALL WEIGHT OF APPROX. 5.43 PSF.
- 2. NOTES & DETAIL CALLOUTS IN SPECIFIC DETAILS TAKE PRECEDENCE OVER THE "OPD" DETAILS CALLED OUT ON THIS SHEET.
- 3. SEE GENERAL NOTES FOR EXPANSION ANCHOR. SHEET METAL SCREW, AND PAF REQUIREMENTS.
- 4. SEE SCHEDULE ON SHEET S3 FOR APPLICABLE STUD AND BRACE SIZE INFORMATION.

05/11/2017

OPD-0001-13; Reviewed for Code Compliance by Karim

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ST6.07

CONCRETE JOIST ATTACHMENT

BARE METAL DECK ATTACHMENT

PROFESS 10NAY

No. S 5946

DEGENKOLB ENGINEERS 300 South Grand Avenue, Suite 3850 Degenko D Los Angeles, CA 90071 213.596.5000 PHONE www.degenkolb.com

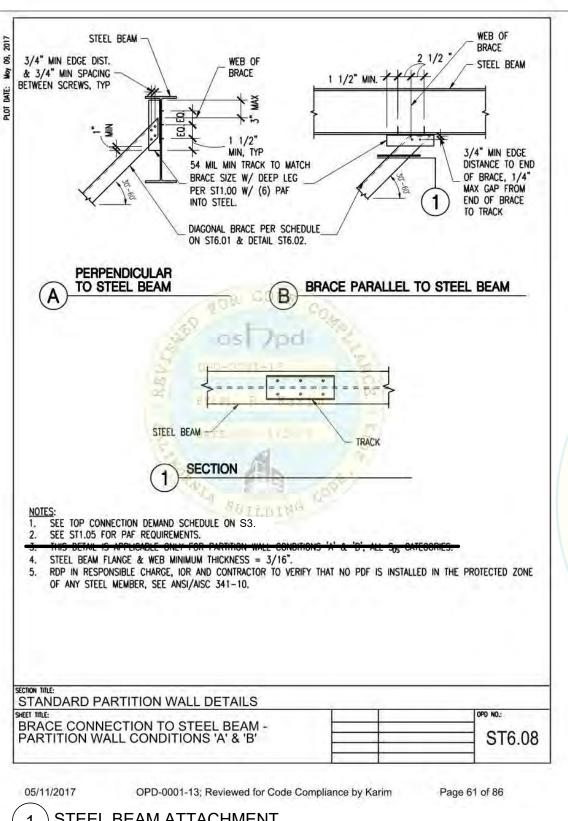


OPD-0001-13 DETAILS (ST6.06, ST6.07)

Drawn:	SH	Job number:	C0816002.00
Design:	KK	Rev:	
Check:	KK	Scale:	
Date	07/01/2021		_

Sheet **S13**





PARTIAL HEIGHT PARTITION WALL BRACE SPACING, SIZE AND CONNECTION SCHEDULES

PARTITION WALL CONDITION 'A'

			BRACE SIZE AND MIL						S.M.S. CONNECTIONS AT BRACE ENDS		
	MAX BRACE		SINGLE STUD BRACE BACK TO BACK BRACE				BACK BRAC	E	BOTTOM OF BRACE	TOP OF BRACE (AT	
	Sos	SPACING (FT)	3 5/8"	4" 6" 3 5/8" 4" 6"		6*	(TO TOP TRACK)	CONNECTION TO STRUCTURE)			
0	.25-0.99	10	3625162-43	4005162-43	6005162-43	(2)3625162-43	(2)4005162-43	(2)6005162-43	(4) 110 S.M.S.	(4) /10 S.M.S.	
1	.00-1.25	9.33	3625162-43	4005162-43	6005162-43	(2)3625162-43	(2)4005162-43	(2)6005162-43	(5) \$10 S.M.S. OR (4) \$12 S.M.S.	(4) #10 S.M.S.	
1	.26-1.45	8.75	3625162-43	4005162-43	6005162-43	(2)3625162-43	(2)4005162-43	(2)6005162-43	(5) #10 S.M.S.	(4) /10 S.M.S.	
1	.46-1.95	7	3625162-43	4005162-43	6005162-43	(2)3625162-43	(2)4005162-43	(2)6005162-43	(5) /10 S.M.S.	(4) 110 S.M.S.	

PARTITION WALL CONDITION 'B'

		BRACE SIZE AND MIL.						S.M.S. CONNECTIONS AT BRACE ENDS		
MAX BRACE		SINGLE STUD BRACE BACK TO BACK BRACE				BOTTOM OF BRACE	TOP OF BRACE (AT			
Sos	SPACING (FT)	3 5/8"	4*	6"	3 5/8"	4"	6*	(TO TOP TRACK)	CONNECTION TO STRUCTURE)	
0.25~0.99	8	3625162-43	4005162-43	6005162-43	(2)3625162-43	(2)4005162-43	(2)6005162-43	(5) /10 S.M.S.	(4) /10 S.M.S.	
1.00-1.25	7	3625162-43	4005162-43	6005162-43	(2)3625162-43	(2)4005162-43	(2)6005162-43	(6) \$10 S.M.S. OR (5) \$12 S.M.S.	(4) #10 S.M.S.	
1.26-1.45	6.5	3625162-43	400S162-43	6005162-43	(2)3625162-43	(2)4005162-43	(2)6005162-43	(6) \$10 S.M.S. OR (5) \$12 S.M.S.	(4) /10 S.M.S.	
1.46-1.95	5.33	3625162-43	4005162-43	6005162-43	(2)3625162-43	(2)4005162-43	(2)6005162-43	(6) /10 S.M.S.	(4) #10 S.M.S.	

PARTITION WALL CONDITION 'C' AND 'D'
DETAIL \$16.03

Lin.	MAX BRACE		RACE SIZE AND		
	SPACING (FT)	3 5/8"	CK TO BACK BE	6"	NUMBER OF S.M.S. AT TOP AND BOTTOM OF BRACE
0.25-0.99	6.67	(2)3625162-43	(2)400\$162-43	(2)6005162-43	(8) #10 S.M.S.
1.00-1.25	6	(2)3625162-43	(2)4005162-43	(2)6005162-43	(8) \$10 S.M.S.
1.26-1.45	5.5	(2)3625162-43	(2)4005162-43	(2)6005162-43	(6) #10 S.M.S.
1.46-1.95	3.33	(2)3625162-43	(2)4005162-43	(2)6005162-43	(B) #10 S.M.S.

THESE TABLES ARE BASED ON THE FOLLOWING DESIGN CRITERIA:

DEMAND LOADS PER ST6.11. 9 FT MAX PARTITION WALL HEIGHT.

MAX BRACE LENGTH PER ST6.02 OR ST6.03.

D. LIMIT-OF KL/r-TO-200 WHERE,

K=1.0, EFFECTIVE-LENGTH-FACTOR 2 1

L=LENGTH OF BRACE PER ST6.02 AND ST6.03 (INCHES)

r=MINIMUM RADIUS OF GYRATION OF STUD (INCHES)

RDP IN RESPONSIBLE CHARGE SHALL DESIGN FOR OTHER CONDITIONS.

STANDARD PARTITION WALL DETAILS PARTIAL HEIGHT PARTITION WALL BRACE SPACING, SIZE AND CONNECTION SCHEDULES ST6.01

STEEL BEAM ATTACHMENT

05/11/2017 OPD-0001-13; Reviewed for Code Compliance by Karim **BRACE CONNECTION**







OPD-0001-13 DETAILS (ST6.08)

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Drawn:	SH	Job number:	C0816002.00
Design:	KK	Rev:	
Check:	KK	Scale:	
Date	07/01/2021		

SHEET NOTES:

APPROX. 5.43 PSF

CALLED OUT ON THIS SHEET.

AND BRACE SIZE INFORMATION.

1. THIS OPM IS BASED ON STARC WALL WEIGHT OF

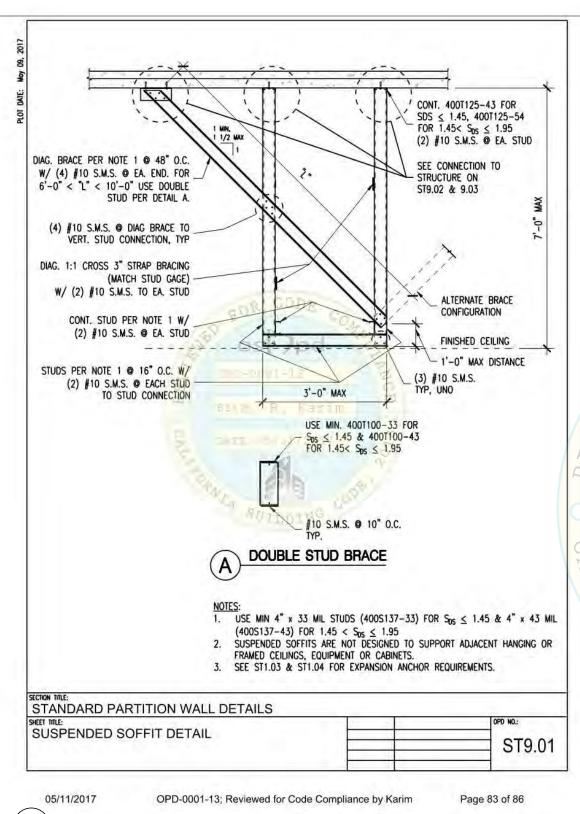
2. NOTES & DETAIL CALLOUTS IN SPECIFIC DETAILS TAKE PRECEDENCE OVER THE "OPD" DETAILS

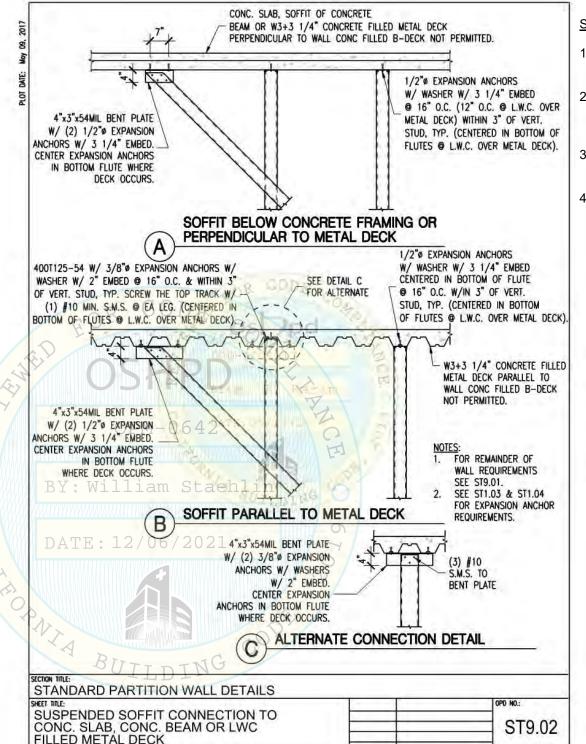
3. SEE GENERAL NOTES FOR EXPANSION ANCHOR.

SHEET METAL SCREW, AND PAF REQUIREMENTS.

4. SEE SCHEDULE ON SHEET S3 FOR APPLICABLE STUD

S14 OF Sheets





SHEET NOTES:

- 1. THIS OPM IS BASED ON STARC WALL WEIGHT OF APPROX. 5.43 PSF
- 2. NOTES & DETAIL CALLOUTS IN SPECIFIC DETAILS TAKE PRECEDENCE OVER THE "OPD" DETAILS CALLED OUT ON THIS SHEET.
- 3. SEE GENERAL NOTES FOR EXPANSION ANCHOR. SHEET METAL SCREW, AND PAF REQUIREMENTS.
- 4. SEE SCHEDULE ON SHEET S3 FOR APPLICABLE STUD AND BRACE SIZE INFORMATION.

05/11/2017

OPD-0001-13; Reviewed for Code Compliance by Karim

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SUSPENDED SOFFIT

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PROFESS 10NAY

No. S 5946

SUSPENDED SOFFIT



DEGENKOLB ENGINEERS 300 South Grand Avenue, Suite 3850 213.596.5000 PHONE www.degenkolb.com



OPD-0001-13 DETAILS (ST9.01, ST9.02)

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KK	Rev:	
KK	Scale:	
07/01/2021		
	KK	KK Scale:

Sheet **S15**