

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION



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| APPLICATION FOR HCAI PREAPPROVAL OF OFFICE USE ONLY | | Registered Design Professonal Preparing Engineering Recommendations | | | |
|--|-------------------------------------|--|--|--|--|
| MANUFACTURER'S CERTIFICATION (OPM) | APPLICATION #: OPM-0544 | Company Name: DEGENKOLB ENGINEERS | | | |
| HCAI Preapproval of Manufacturer's Certification (OPM) | | Name: Alvaro Celestino California License Number: S5580 | | | |
| Type: New X Renewal/Update | | Mailing Address: 225 Broadway Suite 1325, San Diego, CA 92101 | | | |
| | | Telephone: (213) 309-2044 Email: acelestino@degenkolb.com | | | |
| Manufacturer Information | | | | | |
| Manufacturer: BRACELOK.com | | | | | |
| Manufacturer's Technical Representative: Bryce Hodgson | | HCAI Special Seismic Certification Preapproval (OSP) | | | |
| Mailing Address: 2550 Haas St, Escondido, CA 92025 | | Special Seismic Certification is preapproved under OSP OSP Number: | | | |
| Telephone: (619) 917-1688 Email: bryce.hodgson@brac | elok.com | FOR CODE CO | | | |
| NED NO | | Certification Method | | | |
| Product Information | Ÿ. | Testing in accordance with: CC-ES AC156 FM 1950-16 | | | |
| Product Name: Gridlok OPM-0544 | C | Other(s) (Please Specify): | | | |
| Product Type: Suspended Ceiling Brace System | | *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 | | | |
| Product Model Number: GRD 10, GRD 10CT, GRD 10P Kikumoto | 0 | criteria other than those adopted in the CBSC 2019 may be used when approved by HCAI prior to testing. | | | |
| General Description: Rigid Brace System Designed to be used with suspended | ceili <mark>ng gri</mark> d systems | X Analysis | | | |
| Z. WINNINGS IN THE PROPERTY OF | 12 | Experience Data DATE: 12/21/2022 | | | |
| | 20/ | Combination of Testing, Analysis, and/or Experience Data (Please Specify): | | | |
| Applicant Information | ψ [*] / | | | | |
| Applicant Company Name: BRACELOK.com | | | | | |
| Contact Person: Bryce Hodgson | | HCAI Approval | | | |
| Mailing Address: 2550 Haas St, Escondido, CA 92025 | | Date: 12/21/2022 | | | |
| Telephone: (619) 917-1688 Email: bryce.hodgson@brac | elok.com | Name: Jeffrey Kikumoto Title: Senior Structural Engineer | | | |
| Title: PLENUM | | 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



HCAi

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

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

12/21/2022





GENERAL NOTES

- GENERAL
 THIS HCAI PRE-APPROVAL OF MANUFACTURE'S CERTIFICATION (OPM) IS BASED ON
 THE CBC 2019. THE DEMAND (DESIGN FORCES) FOR USE WITH THIS OPM MUST BE
 BASED ON THE CBC 2019.
- THIS PRE-APPROVAL IS VALID THROUGHOUT THE STATE OF CALIFORNIA AND IS VALID FOR ACOUSTICAL TILE OF LAY IN PANEL CEILING GRIDS INSTALLED AT THE So LIMITATIONS AS SHOWN ON SHEET S3.
- THIS PRE-APPROVAL IS LIMITED TO CEILING ASSEMBLES LISTED IN TABLE 1 ON SHEET S2. HAVING MAXIMUM DEAD WEIGHT OF 4 PSF. INCLUDING LIGHTING FRUTURES (LIMINERES) AND MECHANICAL SERVICES, EACH WEIGHNICE LISTS THAN SELBS AND ATTACHED TO THE CEILING FRAME SYSTEM. ABOVER SYSTEMS AND THOSE SUPPORTING LISTEMA FORCES FROM PARTITION WALLS ARE OUTSIDE THE SCOPE OF
- 45-DEGREE FLY PLATE PIECE ALLOWED TO BE BENT IN FIELD ONCE, A MAXIMUM OF 15 DEGREES IN MY DIRECTION, TO CORRECT MAGE, EVERTUAL STRUIT ALLOWED TO BE SENT IN FAULTH OF THE PIECE ALLOWED TO BE SENT IN FIELD ONCE AMOMINIOR OF TO DEGREES PIECE GROUD, OR LEVATOR HE SENT TO BE SENT IN FIELD ONCE AMOMINIOR OF TO DEGREES) PER GROUD, OR LEVATION HIS, TO POSTION THE VERTUAL STRUIT, IN THE PROCESS OF BENDING, DO NOT DIMMORE OR DEFORM THE WAS MADOR CROSS

II. RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD

- VERIFY MATERIALS AND WORKMANSHIP TO CONFORM WITH THE 2019 EDITION OF THE CALIFORNIA BUILDING CODE AND THE REQUIREMENTS OF THIS PRE-APPROVA
- DOCUMENT:

 (SPEN) THE ADEQUACY OF THE EXISTING FRAMING TO SUPPORT THE LOADS

 NOCKETO ON TRAILE I, SHEET IS IN ADDITION TO ALL OTHER LOADS.

 2. VERYIN MOKENERS AND A EVIDENCIA TO THE LOADS SHOW OF THE LOADS

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 2. VERYIN AND THE LOAD AND A EVIDENCIA TO THE LOADS THE LOADS AND T

- UNDER THIS OPM.
 WHEN USING HILT KET EXPANSION ANCHOR INTO CMU WALL, SEOR MUST VERIFY:

 BY MASONRY IS NOT CRACKED AS DEFINED IN ICC-ES ACOT §2.3: CALCULATION
 RED'T TO SHOW MASONRY WALL WOULD NOT CRACK UNDER THE DESIGN
 EARTHQUAKE LOADS UNDER ALL SERVICE LOAD CONDITIONS; WALL HAS TO
 BEHAM IF I ASTIC. REMAIN ELASTIC.
 b) MASONRY WALL FULLY GROUTED IN ACCORDANCE W ER-677 §4.2.
 c) LIMITATIONS IN ACCORDANCE W ER-677 §2.0 IS SATISFIED.

COLD-FORMED METAL FRAMING

STUDS: ASTM C955 AND ASTM A1003; "C" SHAPED WITH LIPPED FLANGES AND PUNCHED WEB. PROVIDE G80 COATING MINMIMM.
A 43 ML (18 GAGE) AND LIGHTER: GRADE 33 TYPE H
B. 54 ML (16 GAGE) AND HEAVIER GRADE 50 TYPE H STUDS.

1) SUSPENDED CEILING GRID BRACING PLAN VIEW

Degenkolb an Diego. CA 920 PHONE

- FRAMING DESIGNATIONS ON PLANS ARE BASED ON THE STEEL STUD
 - MANUFACTURER'S ASSOCIATION (SSMA) PRODUCT TECHNICAL GUIDE (ICC-ESR-3064P). Degenkolb

 Degenkolb

 Degenkolb

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 Degenkolb

SHEET METAL SCREWS: SELF-DRILLING, SELF-TAPPING, HDG PER ASTM A153. PAN OR HEX ER HEAD AS REQUIRED BY FINISH.
PRODUCTS: ITW-BUILDEX TEKS SELF-DRILLING FASTENERS (ICC-ESR-1976),
GRABBER DRIVALL (ICC-ESR-1271) UNLESS OTHERWISE NOTED IN THE FOLLOWING.

SHEETS
POWDER ACTUATED FASTENERS FOR HANGER WIRES: HILTI LOW-VELOCITY

| ENERG (ICCIES) | (12200). | | | |
|----------------|-----------|-----------|--------------|---------|
| BASE | FASTENERS | MINIMUM | MINIMUM EDGE | MINIMUM |
| MATERIAL | | EMBEDMENT | DISTANCE | SPACING |
| STEEL | HILTI X-U | PER MANUF | 1/2" | 1" |
| | | | | |

WHERE DETAILS REFER TO 0.157 DIAMETER PAF, THE SHOT PINS ARE TO BE PER ESR 1789, 2024, 2138, OR 2298. INSTALL PER ICO REPORT, MIN BUBBED IN SAND LIGHT WIGHT CONCRETE (LIVIC) OVER METAL DECK AND SOLID NORMAL WEIGHT CONCRETE (NIVIC) SLAB TO BE 11117-MIN.SPACING TO BE 5.17 AND MIN EDGE DISTANCE TO BE 5.17 AND MIN EDGE DISTANCE TO BE 5.17 AND MIN EDGE

DISTANCE TO BE 4"

DISTANCE TO BE 4"

PAF FOR HAMPES WHESE MILIST NOT BE USED IN PRIC STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTINS METHODS ARE USED TO COCATE STRAND AND REINFORCE-USET PROPE TO EASTENER INSTALLATION.

W. MÉCHANICAL ANCHORS

- EXPANSION ANCHORS INTO CONCRETE: HILT; KB-TZ2-CARBON STEEL (ICC ESR-4288). SCREW ANCHORS INTO CMU: HILTI KH-EZ (ICC ESR-3058). INSTALL ANCHORS IN ACCORDANCE WITH LATEST ICC-ESR OR IAPMO REPORT, AS APPLICABLE, AND MANUFACTURER INSTRUCTIONS.

- ANCHORS WILL BE PROOF-TESTED BY OWNER'S TESTING AND INSPECTION AGENCY. WITH A REPORT OF THE TEST RESULTS SUBMITTED TO HCM.
- IF ANY ANCHOR FAILS TESTING, REPLACE ANCHOR AND TEST ADDITIONAL ANCHORS OF THE SAME CATEGORY NOT PREVIOUSLY, TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS, THEN RESUME INITIAL TESTING FREQUENCY.
- TEST ANCHORS NO SOONER THAN 24 HOURS AFTER INSTALLATION.
- ALL EMBEDMENT DEPTHS NOTED ON DRAWINGS ARE EFFECTIVE EMBEDMENT PER MANUFACTURER AND THE APPLICABLE ICC REPORT
- TEST WEDGE ANCHORS PER THE FOLLOWING METHOD:

 A. TORQUE WRENCH METHOD: TEST ANCHORS TO THE TORQUE LOAD NOICATED IN THE TABLE BELOW WITHIN THE FOLLOWING LIMITS:

| GRIDLOK [®] | GRIDLOK-10P, GRIDLOK-10CT AND GRIDLOK-10 CONNECTORS GRIDLOK OPM-0544 |
|----------------------|--|
| Title: | |

a. ONE-HALF TURN OF THE NUT. WEDGE
ANCHOR DIA. (IN) TORQUE LOAD (FT-LBS) 3/8 1/2 5/8

TEST SCREW ANCHORS PER THE FOLLOWING METHOD:
A. DIRECT PULL TENSION TEST. ANCHOR IS ACCEPTABLE IF NO MOVEMENT IS ORSERVED AT THE TEST LOAD GIVEN IN THE TABLE BELOW. MOVEMENT MAY SE DETERMINED WHEN THE WASHER INDIRECTIVE BUT RECTAINES LOADS.

| UNDERTHE NUT BECOMES LOUSE. | | | | | |
|-----------------------------|------------------|--------------------|--|--|--|
| FULLY GROUTED CMU ANCHOR | ANCHOR DIA. (IN) | TENSION LOAD (LBS) | | | |
| KH-EZ | 1/2 | 2424 | | | |
| KH-EZ | 5/8 | 2776 | | | |

- 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, MUST BE TESTED.
- MINIMUM EDGE DISTANCE: SEE SHEET S11.
- MINIMUM SPACING (FROM NEW OR EXISTING ADJACENT ANCHORS)
 SEE SHEETS S11, S12 AND S13.

 V. STRUCTURAL TESTS, INSPECTIONS, AND OBSERVATIONS
- RICUTUAL TESTA, INSPECTIONS, AND OBSERVATIONS
 AN INSPERIOR PROPRICE TISTING AGENCY AND SPECIAL INSPECTORS,
 CONFORMING TO 2019 GIB SECTION 1700M, WILL BE REFANDED THIS
 CONFIDENCE TO SERVICE THE FELLINIAN ESTATE AND INSPECTIONS
 FOR THE FELLINIAN ESTATE AND INSPECTIONS IN ACCORDANCE
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 HIGH-HANCIAL ANCHORS
 A VERTITY THE OF ANCHOR PROVINCE GIBES DESTANCE, SUBTHICKNESS AND ANCHOR SPRICING, DIGGS DESTANCE, SUBTHICKNESS AND ANCHOR REPORTING THE SECURITY ANCHORS
 SECURITY AND THE SECURITY OF THE SECURITY AND THE SECURITY OF THE SECURITY AND THE SECURITY AND

- APPLICABLE CODE: 2019 CALIFORNIA BUILDING CODE. SEISMIC DESIGN:
- SEISMIC DESIGN: SEISMIC FORCE F_P (LRFD) = 0.4 * S_{DS} * a_D (1 + 2* z/h) Wp

| WHERE: | (14) 49 |
|--------------------------|--------------------------|
| Sos = VARIES lo = 1.5 | SEE SCHEDULE ON SHEET S3 |
| z/h ≤ 1.0 | |
| Rp = 2.5 | (FOR CEILINGS) |
| ap = 1.0 | (FOR CEILINGS) |
| | |

| | Job number: B8769007.01 | Sheet |
|--------|-------------------------|-------|
| /LH | Rev: | S1 |
| | Scale: NTS | 0. |
| 0/2022 | | OF S |
| | | |

GENERAL NOTES CONT

- REVIEW AND UNDERSTAND ALL GENERAL NOTES AND FIGURES BEFORE PROCEEDING.
- 2. SELECT A GRIDLOK CLIP TO MATCH THE CEILING GRID ICC REPORT PER SHEET S2.
- DETERMINE THE MAXIMUM ALLOWABLE GRIDLOK SPACING BASED ON THE SITE SEISMICITY (S_{DS}) FROM TABLE 1 ON SHEET S3.
 - IF ADVANCESPAN CELING SYSTEM WAS SELECTED IN STEP 2, DETERMINE MAXIMUM ALLOWABLE GRIDLOK SPACING BASED ON THE SITE SEISMICITY (Sos) FROM TABLE 1 ON SHEET SIA
- BASED ON THE PLENUM HEIGHT 14, AND THE CHOSEN GRIDLOK SPACING CHOSEN ON STEP 3 ABOVE, SELECT BRACE SIZE PER TABLE 1 ON SHEET SAL. BRACE STUDS MUST NOT BE REPLACED BY WERE IF IT PLATE ALT DE IS BENT TO ACCOMMODATE BRACE ANALES (9) DEFERENT THAN 45', SELECT BRACE SIZE PER TABLE 1 ON SHEET SAB. TABLE 1 ON SHE SAPELABLE TO AS SEED SAME SIZE OF TABLE 1 ON SHEET SAB. TABLE 1 ON
- BASED ON THE PLENUM HEIGHT HY, AND THE CHOSEN GRIDLOK SPACING CHOSEN ON STEP 3 ABOVE, SELECT VERTICAL STRIJT SIZE PER TABLE 2 ON SHEET SAX. VERTICAL STRIJT SIXE ON THE REPLACED WINEE. FE HYPLATE CLIPS ISBNIT ON ACCOMMODATE BRANCE MOLES (0) DIFFERENT THAN 45. SELECT VERTICAL STRIJT SIXE PER TABLE 2 ON SHEET SAR. TABLE 2 ON SHEET SAR.
- BASED ON THE DECK TYPE SELECT THE APPROPRIATE CONNECTION TO THE SUPPORTING Q STRUCTURE ABOVE PER TABLE 1 ON SHEET S4.
- RDP TO DETERMINE THE IMPACT ON THE EXISTING STRUCTURE FROM THE GRIDLOK BASED ON THE PROVIDED 'F' ASD FORCE ON TABLE 1 ON SHEET S3 OR S3A.

SHEET LIST

| S1 | GENERAL NOTES | S10B | GRIDLOK PARTS | 1 X W |
|-----|--------------------------------------|------|-------------------------|--------------|
| S2 | GENERAL NOTES AND SCHEDULES | S11 | CONNECTION DETAILS | 15111 |
| S3 | GENERAL PLAN AND SCHEDULES | S12 | CONNECTION DETAILS | 121 |
| S3A | GENERAL PLAN AND SCHEDULES FOR | S13 | CONNECTION DETAILS | \ O_ |
| | ADVANCESPAN CEILING SYSTEM AT | S14 | CONNECTION DETAILS | 1 |
| | CORRIDORS | S15 | CONNECTION DETAILS | |
| S4 | 3D SECTION AND CONNECTION SCHEDULE | S15A | WALL CONNECTION DETAIL: | s |
| S4A | SCHEDULES FOR '0' = 45" | S15B | WALL CONNECTION DETAIL: | S (ALTERNATE |
| S4B | SCHEDULES FOR '0' DIFFERENT THAN 45° | | CONNECTION ABOVE GRIDL | |
| | | | | |

L' = 8'-6" MAX

SECTIONS
GRIDLOK-10P ASSEMBLY DETAILS
GRIDLOK-10 ASSEMBLY DETAILS
GRIDLOK-10CT ASSEMBLY DETAILS
GRIDLOK PARTS S9 S10 S10A

CHANNEL ASSEMBLY OPD-0002-13 DETAILS (CL2.60, CL2.50) OPD-0002-13 DETAILS (CL0.02, CL4.10) OPD-0002-13 DETAILS (CL4.21, CL4.22) OPD-0002-13 DETAILS (CL4 23 CL4 24) GRIDLOK PARTS GRIDLOK PARTS OPD-0002-13 DETAILS (CL4.25)

CEILING GRID ASSEMBLY GRIDLOK ASSEMBLY GRIDLOK-10P 1/S6 VENTURE (ICC ESR-1308) USG LLC (ICC FSR-1222) GRIDI OK-10 1/57 CERTAIN TEED CORPORATION (ICC ESR-3336) GRIDLOK-10CT 1/58 (MAIN RUNNERS: DXAS, DXTAS CROSS RUNNERS: DX216, DX424/DX422, DXT424/DXT422/DXT222 CHANNEL ASSEMBLY: US44) GRIDLOK-10 1/S7

TARLE 1: GRIDLOK ASSEMBLY SCHEDULE

TABLE 1 NOTES:

- ONLY CÉILING GRIDS THAT MEET THE ICC REPORTS LISTED ABOVE ARE APPROVED FOR USE WITH THIS OPM. MATCH GRIDLOK ASSEMBLY CLIP WITH CEILING GRID TYPE PER TABLE ABOVE.
- 2. THE CEILING SYSTEMS ARE LIMITED TO INTERIOR APPLICATIONS
- 3. ONLY HEAVY-DUTY MAIN TEES DEFINED IN ASTM SPECIFICATION 0835 SHALL BE USED (DIRECT HUNG; MIN LOAD CARRYING CAPABILITY = 18.0 PLF; CEILING LOAD = 4 PSF).
- 4. THE MAIN FUNNIES AND GROSS RUNNIES OF THE CELLING SYSTEM AND THESE SPLICES INTERSECTION CONNECTIONS, AND EXPANSION DEVICES WHAT IN THE DESIGNED & CONSTRUCTED TO CARRY A MEAN LUTIMATE TEST LOAD OF NOT LESS THAN 180 LES IN COMPRESSION AND IN TRISONO WHEN TESTED TO FOR THE STATE OF THE CONNECTION IN ANY ORIENTON. THE CONNECTORS AT STATE OF THE CONNECTION IN ANY ORIENTON. THE CONNECTORS AT SPLICES AND INTERSECTIONS SHALL BE THE MECHANICAL LOCKING TYPE.





ADVANCESPAN CROSS RUNNERS R CODE CORT OF SHEET SZ, TYP (SEE NOTE 2 BELOW)

BULKHEAD WHERE OCCURS, SEE NOTE 3

PER TABLE 1 OF SHEET S2, TYP (SEE NOTE 2 BELOW)

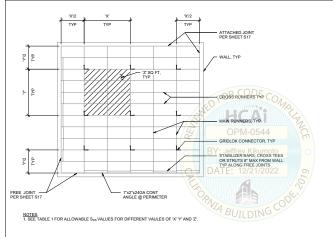
GRIDLOK CONNECTOR, TYP (SEE NOTE 4 BELOW)

GRIDLOK-10P, GRIDLOK-10CT GRIDLOK[®] CENERAL NOTES AND SCHEDULES

| | Drawn: | JEB | Job number: | B8769007 |
|----|---------|------------|-------------|----------|
| RS | Design: | PGM/LH | Rev. | |
| | Check: | AC | Scale: NTS | 3 |
| | Date | 12/20/2022 | | |

S2

OPM-0544: Reviewed for Code Compliance by Jeffrey Kikumoto



| TABLE 1. GRIDLOR SPACING SCHEDULE | | | | |
|-----------------------------------|---------|---------|---------|---------------|
| Sos | 'X' MAX | 'Y' MAX | 'Z' MAX | 'F' ASD (LBS) |
| 0.25 - 1.00 | 12'-0" | 12'-0" | 144 SF | 291 LB |
| 1.00 - 1.38 | 12'-0" | 12'-0" | 144 SF | 400 LB |
| 1.39 - 2.00 | 12'-0" | 8'-0" | 96 SF | 387 LB |
| 2.01 - 2.50 | 8'-0" | 8'-0" | 64 SF | 323 LB |

TARLE 1: CRIDLOK SPACING SCHEDULE

TABLE 1 NOTES:

- TABLE 1 ABOVE MAY BE USED FOR ALL FLOOR ELEVATIONS (z/h) IN A BUILDING, WHERE 'z' IS THE ELEVATION OF THE FLOOR AND 1s' IS THE ELEVATION OF THE FLOOR AND 1s' IS THE ELEVATION OF THE ROOF, BOTH WITH RESPECT TO GRADE LEVEL.
- MAXIMUM ALLOWABLE BRACE SPACING FOR DIFFERENT VALUES OF S_{DS} ARE BASED ON A MAXIMUM ALLOWABLE (ASD) GRIDLOK SYSTEM CAPACITY OF 400 LB.
- 3 'E' PEEERS TO THE MAYIMI IM ALLOWARI E DESIGN HORIZONTAL LOAD (ASD) FOR THE SEISMICITY AND SPACING INDICATED

PNIA BUILDING SEE TABLE 1 FOR ALLOWABLE Set VALUES FOR YALUES OF TE.

RID TO COORDINATE SPACING OF MAIN AND CROSS RUNNERS AT CORRIDOR

RID TO COORDINATE SPACING OF MAIN AND CROSS RUNNERS AT CORRIDOR

LOCAL EXEMPT OF THE PROPERTY OF THE MAIN AND CROSS RUNNERS AT CORRIDOR THE FREE

EDGE AND WITHIN 3" FROM THE INTERSECTION OF THE MAIN AND CROSS RUNNERS

TO THE CRITETE OF RIGHT INC. (THE MAIN AND CROSS RUNNERS)

TO THE CRITETE OF RIGHT INC. (THE MAIN AND CROSS RUNNERS)

SUSPENDED CEILING GRID BRACING PLAN VIEW FOR 1 ADVANCESPAN CEILING SYSTEM

TARLE 1: GRIDLOK SPACING SCHEDULE FOR ADVANCESPAN 'F' ASD (LBS) 0.25 - 2.00 2.01 - 2.50 N/A FOR ADVANCESPAN

TABLE 1 NOTES:

- TABLE 1 ABOVE MAY BE USED FOR ALL FLOOR ELEVATIONS (2/h)
 IN A BUILDING, WHERE 'z' IS THE ELEVATION OF THE FLOOR AND
 'N' IS THE ELEVATION OF THE ROOF, BOTH WITH RESPECT TO
 GRADE LEVEL.
- MAXIMUM ALLOWABLE BRACE SPACING FOR DIFFERENT VALUES OF Sps ARE BASED ON A MAXIMUM ALLOWABLE (ASD) GRIDLOK SYSTEM CAPACITY OF 400 LB.
- 'F' REFERS TO THE MAXIMUM ALLOWABLE (ASD) HORIZONTAL FORCE APPLIED TO THE GRIDLOK CONNECTOR FOR THE SEISMICITY AND SPACING INDICATED.
- FOR ADVANCESPAN CEILING SYSTEMS, ONLY ONE GRIDLOK BRACE PARALLEL TO THE CROSS RUNNERS PER GRIDLOK IS BRACE PARALLEL TO THE CROSS RUNNERS PER GRIDL REQUIRED. A GRIDLOK BRACE PARALLEL TO THE MAIN RUNNERS IS NOT REQUIRED. ONE VERTICAL STRUT IS REQUIRED AT EVERY GRIDLOK.
- SELECT BRACE AND STRUT SIZES PER SHEET S2 NOTES VII.4 AND VII.5, RESPECTIVELY.





GRIDLOK

| AND GRIDLOK-10 CONNECTORS | Drawn: | JEB | Job number: | B8769007 | |
|---------------------------|-------------------------------|------|-------------|----------|--|
| | Design | JEL | Rev. | | |
| | Check: | AC | Scale: | | |
| L PLAN AND SCHEDULES FOR | | Date | 12/20/2022 | | |
| | I CEILING SYSTEM AT CORRIDORS | | | | |

107.01 S3A

GRIDLOK®

CENERAL PLAN AND SCHEDULES

5 of 30

S3

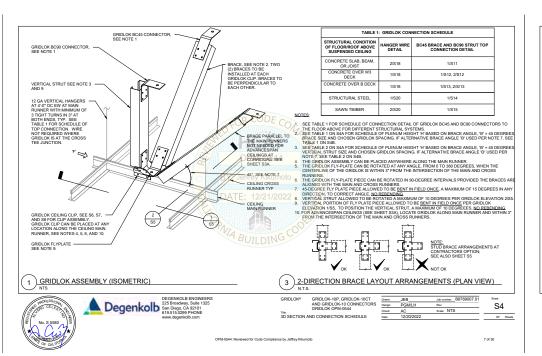
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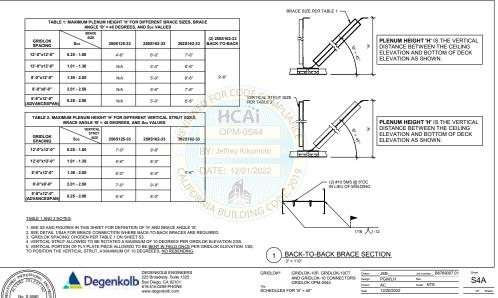
Scale: NTS

GRIDLOK-10P, GRIDLOK-10CT
AND GRIDLOK-10 CONNECTORS
GRIDLOK OPM-0544

PGM/LH

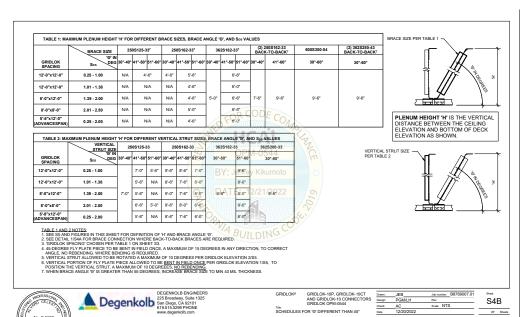
GRIDLOK OPM-0544



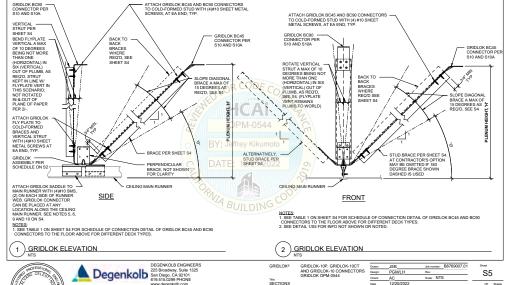


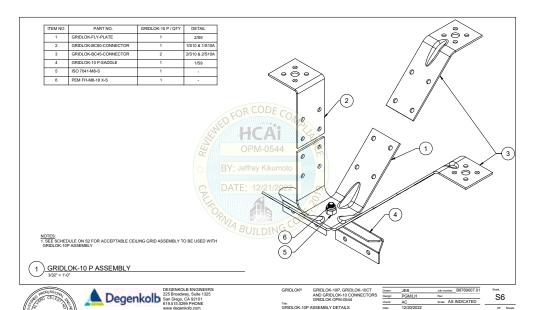
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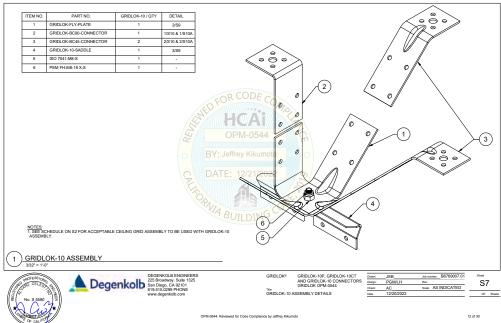


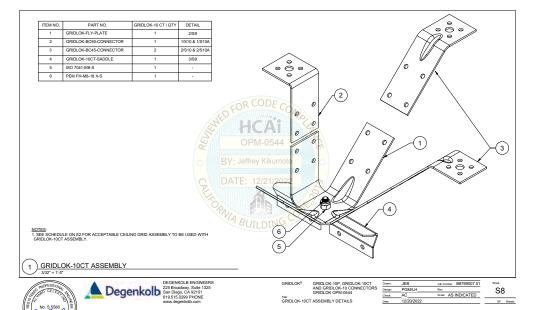
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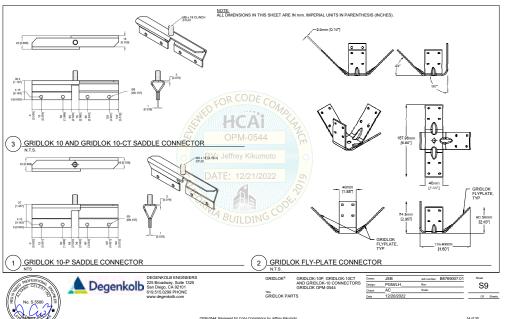


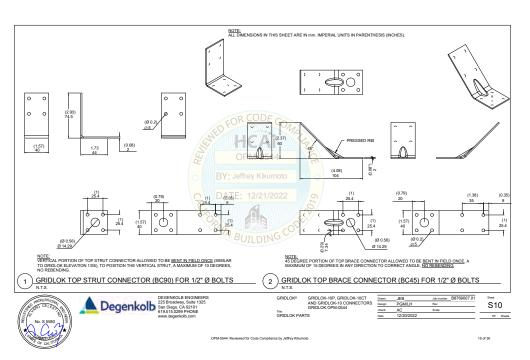


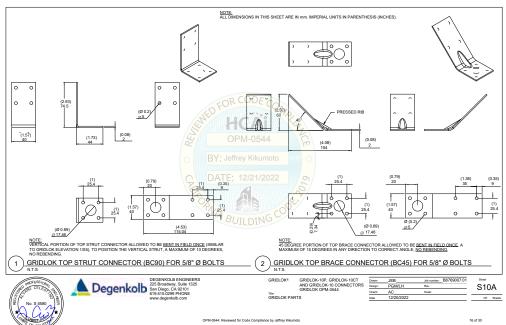
11 of 30

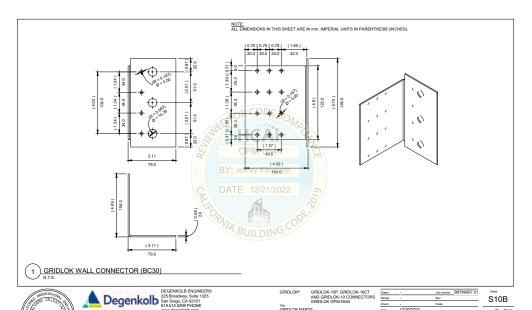


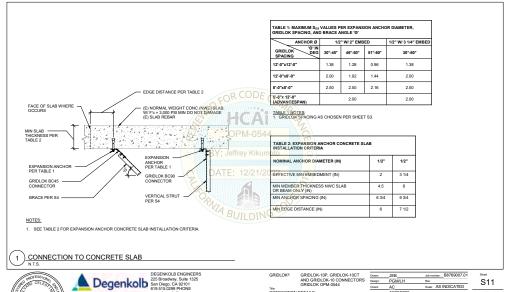




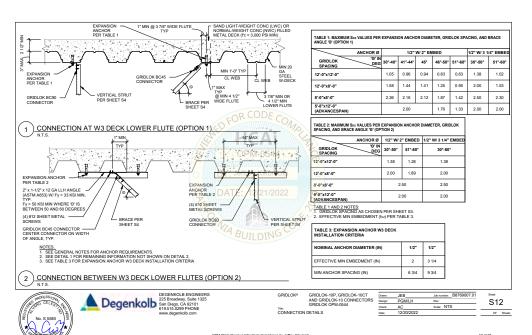


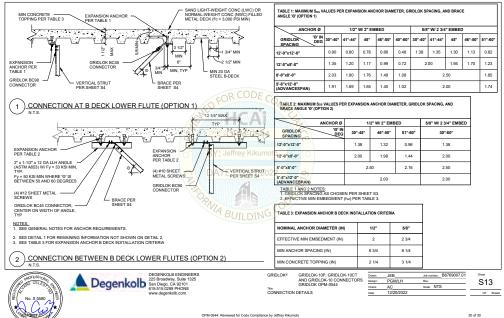


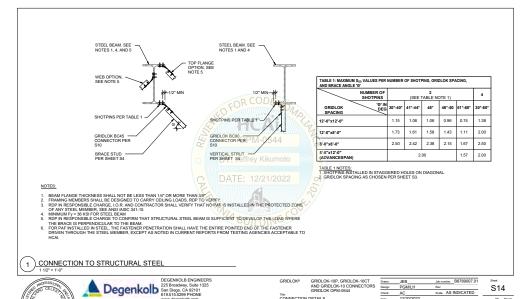


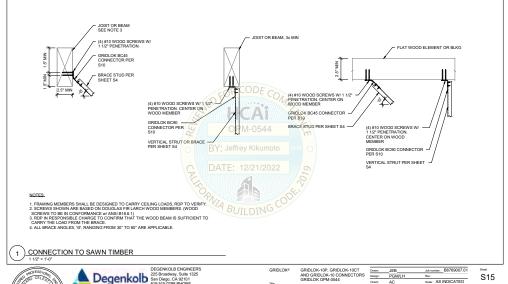


CONNECTION DETAILS

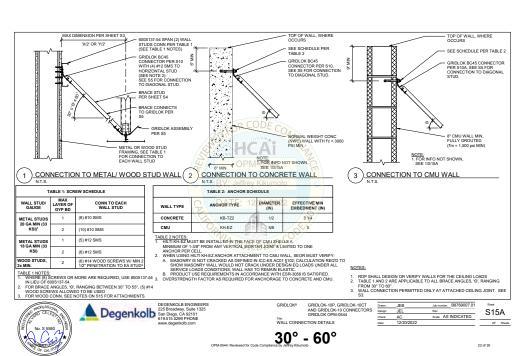


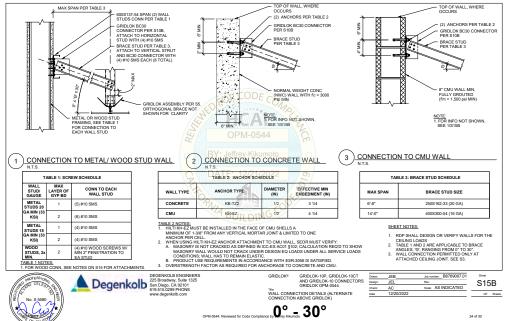


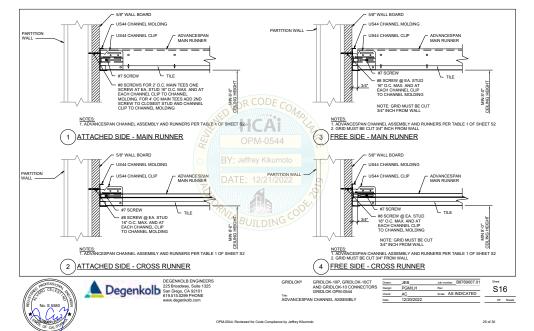


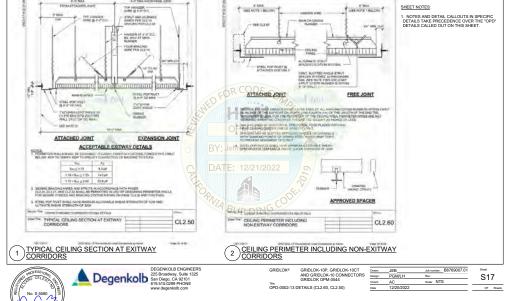


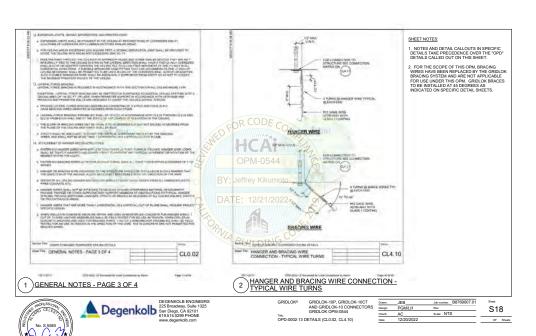
CONNECTION DETAILS

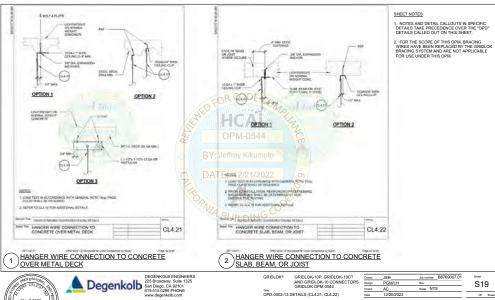








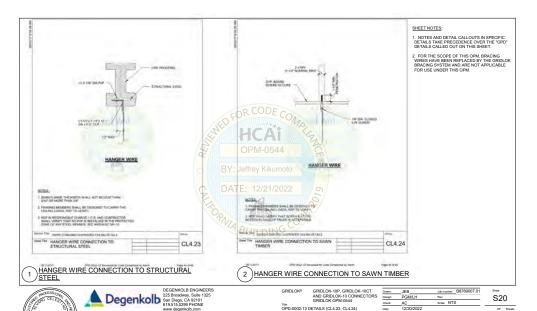


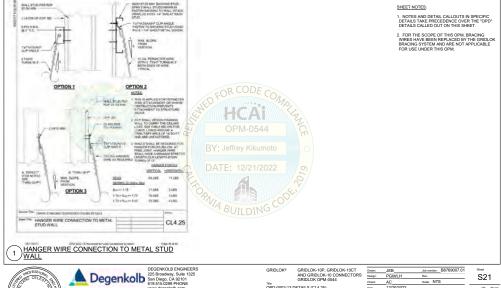


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