



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

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

OFFICE USE ONLY

APPLICATION #: OPM-0610

OSHPD Preapproval of Manufacturer's Certification (OPM)

Type: New Renewal/Update

Manufacturer Information

Manufacturer: Accuray, Inc.

Manufacturer's Technical Representative: John Falligant

Mailing Address: 1240 Deming Way, Madison, WI 53717

Telephone: (608) 824-2846

Email: jfalligant@accuray.com

Product Information

Product Name: Synchrony Camera and Mounting, Seismic, Accuray Radixact

Product Type: Motion Compensating Camera for use with Accuray Radixact

Product Model Number: Camera, FP7000, 600mm (Accuray PN 1067753)

General Description: Synchrony camera and mounting used with Accuray Radixact for patient motion compensation

DATE: 06/01/2021

Applicant Information

Applicant Company Name: Accuray, Inc.

Contact Person: Frank Valentino

Mailing Address: 1240 Deming Way, Madison, WI 53717

Telephone: (608) 824-3404

Email: fvalentino@accuray.com

Title: VP R&D

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

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY





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

Registered Design Professional Preparing Engineering Recommendations

Company Name: RINNE & PETERSON

Name: Aaron Kvamme

California License Number: S4512

Mailing Address: 1121 San Antonio Rd., Suite C200, Palo Alto, CA 94303

Telephone: (650) 428-2860

Email: aaron@rpse.com

OSHPD Special Seismic Certification Preapproval (OSP)

Special Seismic Certification is preapproved under OSP

OSP Number: _____

Certification Method

Testing in accordance with: ICC-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 criteria other than those adopted in the CBSC 2019 may be used when approved by OSHPD prior to testing.

Analysis

Experience Data

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

OSHPD Approval

Date: 6/1/2021

Name: Keh-Shin Chi

Title: Senior Structural Engineer

Condition of Approval (if applicable): _____





Rinne & Peterson, Inc.

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www.rpse.com



OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION

OPM NO: OPM-0610-19

DWG. NO: **S1**

ACCURAY, INC.

MANUFACTURER:

SYNCHRONY CAMERA MOUNT
[MODEL FP7000]

PRODUCT NAME:

2019 CBC

CODE:

05.04.2021

DATE:

GENERAL NOTES

SHEET TITLE:

ASK

DESIGNER:

19059

PROJ. NO:

GENERAL NOTES:

- A. THIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION [OPM] IS BASED ON THE 2019 CBC. THE DEMANDS (DESIGN FORCES) USED WITH THIS OPM SHALL BE BASED ON THE 2019 CBC.
- B. THIS DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER LISTED ABOVE FOR THE SPECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CONSENT.
- C. THIS PREAPPROVAL DOCUMENT MAY BE USED AT ANY LOCATION IN THE STATE OF CALIFORNIA WHERE SDS IS LESS THAN 2.2g AND ALL THE REQUIREMENTS OF THIS PREAPPROVAL DOCUMENT ARE MET.
- D. THIS PREAPPROVAL ONLY COVERS THE SUPPORT AND ATTACHMENT OF THE MANUFACTURER'S COMPONENT TO THE BUILDING STRUCTURE. VERIFICATION OF THE BUILDING STRUCTURE TO SUPPORT THE COMPONENT LOADS, ALONG WITH ALL OTHER LOADS, IS THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER OF RECORD FOR THE BUILDING.
- E. ALL DESIGN LOADS SHOWN IN THIS PREAPPROVAL DOCUMENT ARE ALLOWABLE STRENGTH DESIGN LOADS FOR USE WITH ALLOWABLE STRENGTH DESIGN PROCEDURES.

RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING:

- A. REVIEW THIS OPM DOCUMENT AND MANUFACTURER'S COMPONENT INFORMATION TO VERIFY THAT COMPONENT WEIGHT, CENTER OF GRAVITY LOCATION, AND MANUFACTURER SUPPLIED ANCHORAGE HARDWARE MATERIALS, SIZES, AND THICKNESSES MEET THE SPECIFICATIONS SHOWN IN THIS PREAPPROVAL DOCUMENT.
- B. VERIFY THAT THE SITE SPECIFIC SEISMIC PARAMETERS DO NOT EXCEED THE VALUES PRESENTED IN THIS PREAPPROVAL DOCUMENT.
- C. REVIEW LAYOUT DIMENSIONS OF THE TREATMENT ROOM VAULT SPACE WITH RESPECT TO THE REQUIRED CAMERA LOCATION. VERIFY THAT REQUIREMENTS FOR MAXIMUM HANGER LENGTH, MINIMUM AND MAXIMUM BRACE ANGLES, MAXIMUM CONCRETE VAULT STRUCTURE HEIGHT, ETC. ARE MET.
- D. VERIFY THAT THE EXISTING BUILDING SUPPORT STRUCTURE IS CAPABLE OF SUPPORTING THE LOADS SHOWN IN THIS OPM PREAPPROVAL DOCUMENT, IN ADDITION TO ALL OTHER LOADS.
- E. VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2019 CBC AND WITH THE DETAILS SHOWN IN THIS PREAPPROVAL DOCUMENT.
- F. VERIFY THAT THE CONCRETE VAULT STRUCTURE TO WHICH THE COMPONENT ATTACHMENTS ARE ANCHORED MEETS THE MINIMUM CONCRETE COMPRESSIVE STRENGTH SPECIFIED IN THE GENERAL NOTES.
- G. DESIGN METAL STUD FURRING WALL MEMBERS AND THEIR ATTACHMENTS TO SUPPORT THE DESIGN LOADS FROM THE WALL MOUNTED CAMERA.

LIGHT GAGE TUBE AND SLOTTED CHANNEL FRAMING SYSTEMS [UNISTRUT]:

- A. PART NUMBERS REFERRED TO ON THE DRAWINGS FOR TUBE AND CHANNEL FRAMING MEMBERS AND CONNECTION HARDWARE THOSE OF "UNISTRUT" BY UNISTRUT CORPORATION.

B. MATERIALS:

STRUT MEMBERS:
P1000 & P9000

ASTM A1011 SS GR 33 OR A653 GR 33

STRUT FITTINGS:
P1726
P9012
P2815 [F.S.>4.0, THEREFORE OKAY PER OSHPD PIN 68]

ASTM A1011 SS GR 33 OR A653 GR 33

CHANNEL BOLTS:
HHCS050119EG

SAE J429 GR 2, HEX HEAD CAP SCREW 1/2-13
ELECTROGALVANIZED (EG)

CHANNEL NUTS:
P1010

ASTM A576 GR 1015 MODIFIED, B633 TYPE III SC1, OR A153

MACHINE BOLTS:

ISO 898-1 CLASS 12.9, BLACK OXIDE FINISH BOLTS w/
DIN 934 CLASS 8 ZINC PLATED NUTS

SHEET METAL SCREWS:

ESR-1976

- C. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND MFMA-103 "GUIDELINES FOR THE USE OF METAL FRAMING". INSTALL THE SIZE AND NUMBER OF FASTENERS PER MANUFACTURER'S RECOMMENDATIONS FOR EACH CONNECTOR, UON.

- D. TIGHTEN BOLTS AND NUTS TO STRUTS AND CONNECTORS TO THE FOLLOWING TORQUES:

| BOLT DIAMETER (IN) | TORQUE LOAD (FT-LB) |
|--------------------|---------------------|
| 1/2 | 50 |

ACCURAY MANUFACTURED PART MATERIAL INFORMATION:

| PART NO. | ACCURAY PART NAME | MATERIAL SPECIFICATION |
|----------|--|---|
| 1063168 | MOUNT, LOWER END, SYNCHRONY | ALUMINUM 6061-T6511, Fy=35 KSI MIN. |
| 1063333 | COLUMN BOTTOM ADAPTER, SYNCHRONY CEILING MOUNT | AISI 1008, 1010, 1018, OR 1020 STL Fy=40 KSI MIN. |
| 1063308 | BRACKET, SYNCHRONY WALL MOUNT | ALUMINUM 6061-T6511, ALCA 5, OR ATP-5 Fy=18 KSI MIN. |
| 1064728 | STUD WALL ADAPTER PLATE, SYNCHRONY WALL MOUNT | ALUMINUM 6061-T651, Fy=35 KSI MIN. |



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OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION

OPM NO: OPM-0610-19

DWG. NO: S2

ACCURAY, INC.

MANUFACTURER:

SYNCHRONY CAMERA MOUNT
 [MODEL FP7000]

PRODUCT NAME:

2019 CBC

CODE:

05.04.2021

DATE:

GENERAL NOTES

SHEET TITLE:

ASK

DESIGNER:

19059

PROJ. NO:

MECHANICAL ANCHORS TO CONCRETE:

- A. EXPANSION ANCHOR BOLT DESIGNATIONS SHOWN ON THE DRAWINGS REFER TO STAINLESS STEEL ANCHORS OF EITHER:

 HILTI KWIK BOLT TZ [ICC ESR-1917; SUBJECT TO RENEWAL MAY 2021], OR
 HILTI KWIK BOLT TZ2 [ICC ESR-4266; SUBJECT TO RENEWAL DECEMBER 2021].
- B. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF BUILDING VAULT STRUCTURE RECEIVING EXPANSION ANCHOR BOLTS IS $f'_c=3,000$ PSI, NORMAL WEIGHT CONCRETE.
- C. PRIOR TO DRILLING IN EXISTING CONCRETE MEMBERS, MAP LOCATION OF EXISTING REINFORCING MEMBERS. NOTIFY BUILDING ENGINEER OF RECORD OF ANY INTERFERENCES BETWEEN EXISTING REINFORCING AND EXPANSION ANCHOR BOLT LOCATIONS PRIOR TO DRILLING. DO NOT CUT OR DAMAGE EXISTING REINFORCING BARS.
- D. INSTALL EXPANSION ANCHOR BOLTS PER MANUFACTURER RECOMMENDATIONS AND REQUIREMENTS IN THE ICC ESR REPORT. INSTALL $\frac{1}{2}$ " EXPANSION ANCHOR BOLTS WITH MANUFACTURER'S REQUIRED INSTALLATION TORQUE NOTED IN ITEM H TABLE BELOW.
- E. FILL ABANDONED HOLES IN CONCRETE WITH NON-SHRINK GROUT APPROVED BY THE ENGINEER OF RECORD FOR THE BUILDING.
- F. ANCHORS SHALL BE TESTED BY AN APPROVED INDEPENDENT AGENCY EMPLOYED BY THE FACILITY OWNER PER 2019 CBC 1704A & 1910A.5 AND CAC 7-149. ALL REPORTS SHALL BE SENT TO THE INSPECTOR OF RECORD, OWNER, AND ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE.
- G. PER 2019 CBC, SECTION 1910A.5.3, TESTING FOR POST-INSTALLED ANCHORS USED FOR NON-STRUCTURAL COMPONENTS SHALL INCLUDE 50 PERCENT OF THE ANCHORS, OR ALTERNATE BOLTS IN A GROUP, INCLUDING AT LEAST ONE-HALF THE ANCHORS IN EACH GROUP.
- H. AFTER AT LEAST 24 HOURS HAVE ELAPSED SINCE INSTALLATION, TEST ANCHORS USING THE TORQUE WRENCH METHOD TEST ACCEPTANCE CRITERIA OF 1910A.5.5.2. ANCHORS SHALL ATTAIN THE SPECIFIED TORQUE WITHIN $\frac{1}{2}$ TURN OF THE NUT.

| ANCHOR TYPE | DIAMETER (IN) | h eff (IN) | h nom (IN) | h min (IN) | TORQUE LOAD (FT-LB) |
|------------------------|---------------|------------|----------------|------------|---------------------|
| SS HILTI KWIK BOLT TZ | $\frac{1}{2}$ | 2 | $2\frac{3}{8}$ | 4 | 40 |
| SS HILTI KWIK BOLT TZ2 | $\frac{1}{2}$ | 2 | $2\frac{1}{2}$ | 4 | 50 |

- I. FOR THIS OPM INSTALLATION WITH A LIMITED NUMBER OF ANCHORS, IF ANY ANCHOR FAILS TESTING, REPLACE THE ANCHOR AND TEST ALL ANCHORS. DO NOT REUSE BOLT HOLES AT FAILED ANCHOR LOCATIONS.

SPECIAL INSPECTION AND TESTING:

- A. COORDINATE WITH THE APPROVED INDEPENDENT INSPECTION AGENCY RETAINED BY THE OWNER TO PERFORM THE FOLLOWING INSPECTIONS:

MECHANICAL ANCHORS: PERIODIC SPECIAL INSPECTION DURING ANCHOR INSTALLATION TO VERIFY ANCHOR TYPE, ANCHOR DIMENSIONS, CONCRETE TYPE, CONCRETE COMPRESSIVE STRENGTH, ANCHOR SPACING, EDGE DISTANCES, CONCRETE MEMBER THICKNESS, TIGHTENING TORQUE, HOLE DIMENSIONS, ANCHOR EMBEDMENT, AND ADHERENCE TO THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. TEST ANCHORS AS NOTED IN "MECHANICAL ANCHORS TO CONCRETE" SECTION.
- B. THE SPECIAL INSPECTOR SHALL OBSERVE THE INDICATED WORK FOR COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR, NOTED IN THE INSPECTION REPORTS, AND IF NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD FOR THE BUILDING AND THE BUILDING OFFICIAL.
- C. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS FOR EACH INSPECTION TO THE BUILDING OFFICIAL, ENGINEER OF RECORD FOR THE BUILDING, CONTRACTOR, AND OWNER. THE SPECIAL INSPECTION AGENCY SHALL SUBMIT A FINAL REPORT INDICATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS INSPECTED AND IS IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS, AND THAT ALL DISCREPANCIES NOTED IN THE INSPECTION REPORTS HAVE BEEN CORRECTED.

ABBREVIATIONS:

- A.F.F. ABOVE FINISH FLOOR
- B.O. BOTTOM OF
- EA. EACH
- MAX. MAXIMUM
- M.B. MACHINE BOLT
- MIN. MINIMUM
- N.T.S. NOT TO SCALE
- SHCS SOCKET HEAD CAP SCREW
- S.D.S.T. SELF-DRILLING, SELF TAPPING SCREW
- SS STAINLESS STEEL
- TYP. TYPICAL
- T&B TOP & BOTTOM

SHEET INDEX:

- S1 GENERAL NOTES
- S2 GENERAL NOTES
- S3 CAMERA TYPICAL CEILING MOUNT - NOTES & AXONOMETRIC
- S4 CAMERA TYPICAL CEILING MOUNT - ELEVATIONS
- S5 CAMERA OBSTRUCTED CEILING MOUNT - NOTES & AXONOMETRIC
- S6 CAMERA OBSTRUCTED CEILING MOUNT - ELEVATIONS
- S7 CAMERA CEILING MOUNT BOTTOM ATTACHMENTS
- S8 CAMERA WALL MOUNT - PLAN, ELEVATION, & SECTION



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OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION

OPM-0610-19

S3

ACCURAY, INC.

MANUFACTURER:

SYNCHRONY CAMERA MOUNT
 [MODEL FP7000]

PRODUCT NAME:

OPM NO:

DWG. NO:

2019 CBC

CODE:

05.04.2021

DATE:

CAMERA TYPICAL CEILING MOUNT - NOTES & AXONOMETRIC

SHEET TITLE:

ASK

DESIGNER:

19059

PROJ. NO:

NOTES:

- SEE GENERAL NOTES SHEETS S1 AND S2.
- LOADS TO STRUCTURE SHOWN ARE ALLOWABLE STRENGTH DESIGN LOADS FOR USE WITH ALLOWABLE STRENGTH DESIGN PROCEDURES PER 2019 CBC AND ASCE 7-16. LOADS SHOWN DO NOT INCLUDE OVERSTRENGTH FACTOR.

$S_{DS} = 2.2g \text{ MAX.}$
 $a_p = 2.5$
 $R_p = 2.5$
 $I_p = 1.5$
 $z/h = 1.0 \text{ MAX.}$
 $\Omega_o = 2.5$

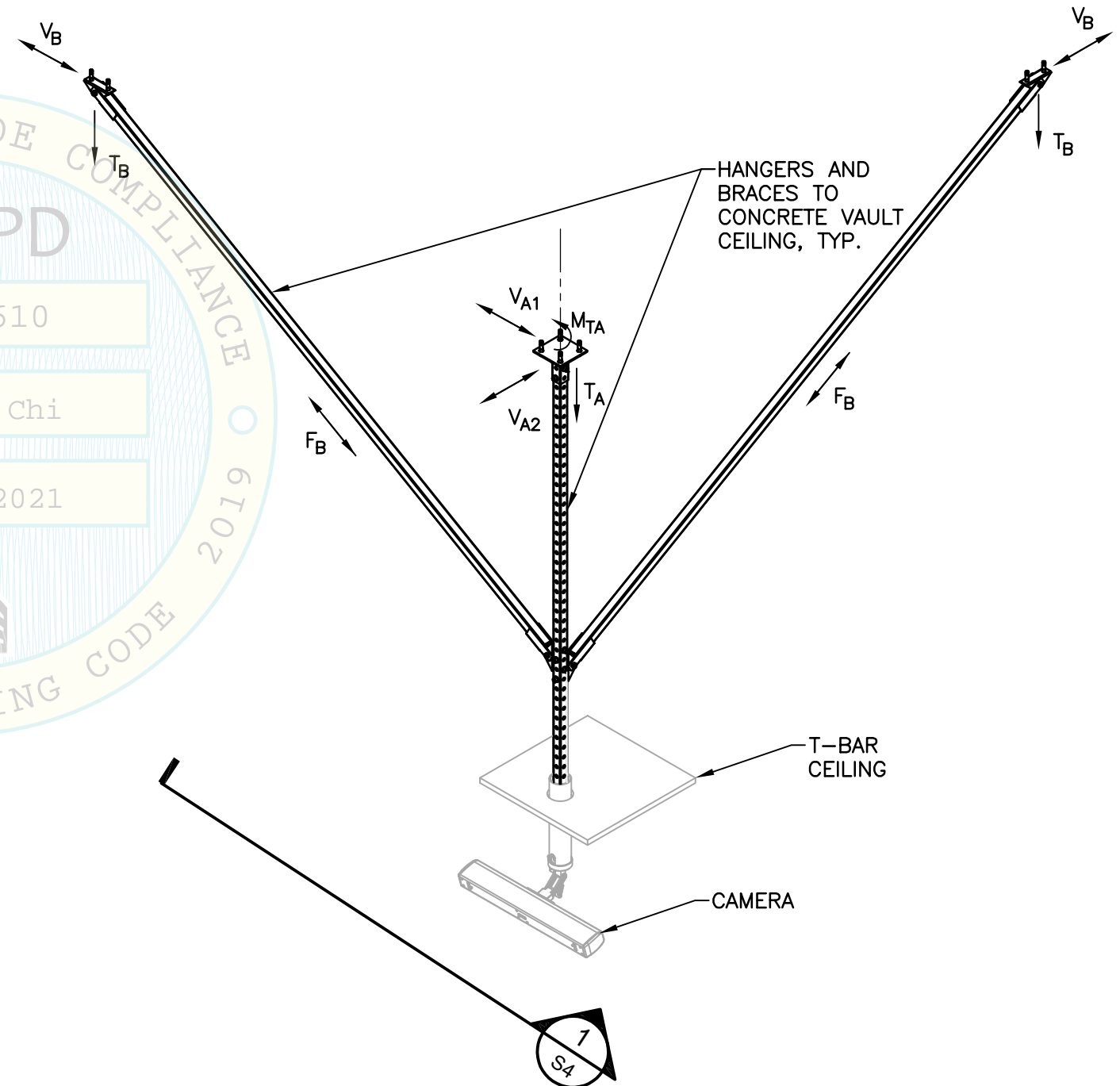
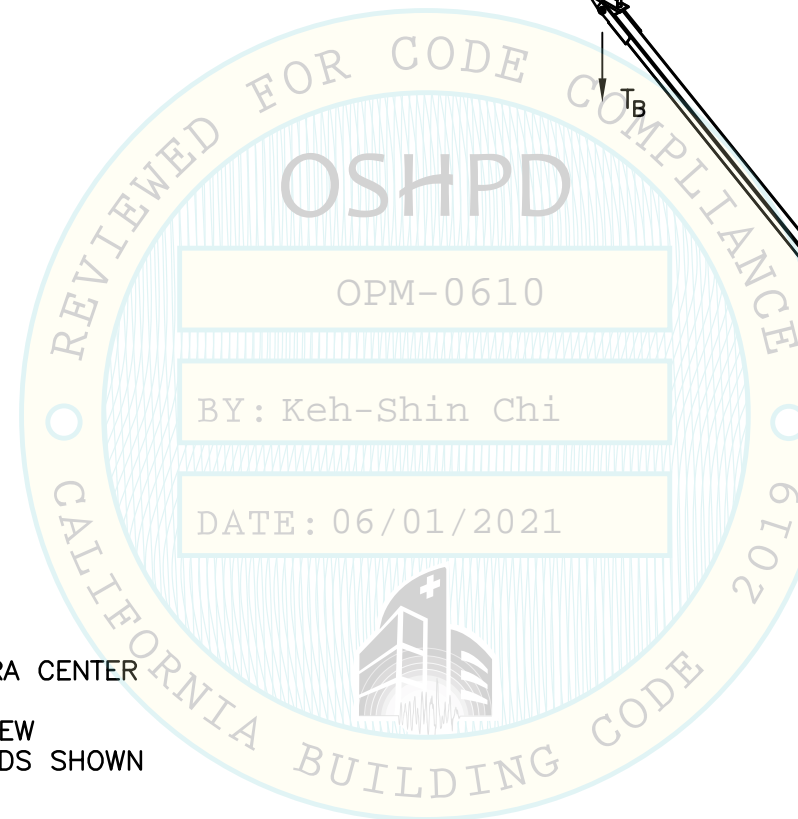
$F_p = 0.7 * 3.96W_p = 2.77W_p \text{ (ASD)}$
 $F_v = 0.7 * 0.44W_p = 0.31W_p \text{ (ASD)}$

$T_A = 650 \text{ LBS AT CONNECTION (ASD)}$
 $V_{A1} = 140 \text{ LBS AT CONNECTION (ASD)}$
 $V_{A2} = 140 \text{ LBS AT CONNECTION (ASD)}$
 $M_{TA} = 400 \text{ LB-FT AT CONNECTION (ASD)}$

$T_B = 570 \text{ LBS AT CONNECTION (ASD)}$
 $V_B = 330 \text{ LBS AT CONNECTION (ASD)}$

$F_B = 660 \text{ LBS MAX. (ASD)}$

- LOADS TO STRUCTURE SHOWN ARE BASED ON THE MAXIMUM CAMERA CENTER OF GRAVITY LOCATION.
- STRUCTURAL ENGINEER OF RECORD FOR BUILDING SHALL DESIGN NEW STRUCTURE OR REVIEW EXISTING STRUCTURE TO SUPPORT THE LOADS SHOWN CONNECTED TO CONCRETE VAULT CEILING.



1 CAMERA TYPICAL CEILING MOUNT - AXONOMETRIC

1/4"=1'-0"



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OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION

OPM-0610-19

DWG. NO: **S4**

ACCURAY, INC.

MANUFACTURER:

SYNCHRONY CAMERA MOUNT

PRODUCT NAME: **[MODEL FP7000]**

2019 CBC

CODE:

05.04.2021

DATE:

CAMERA TYPICAL CEILING MOUNT - ELEVATIONS

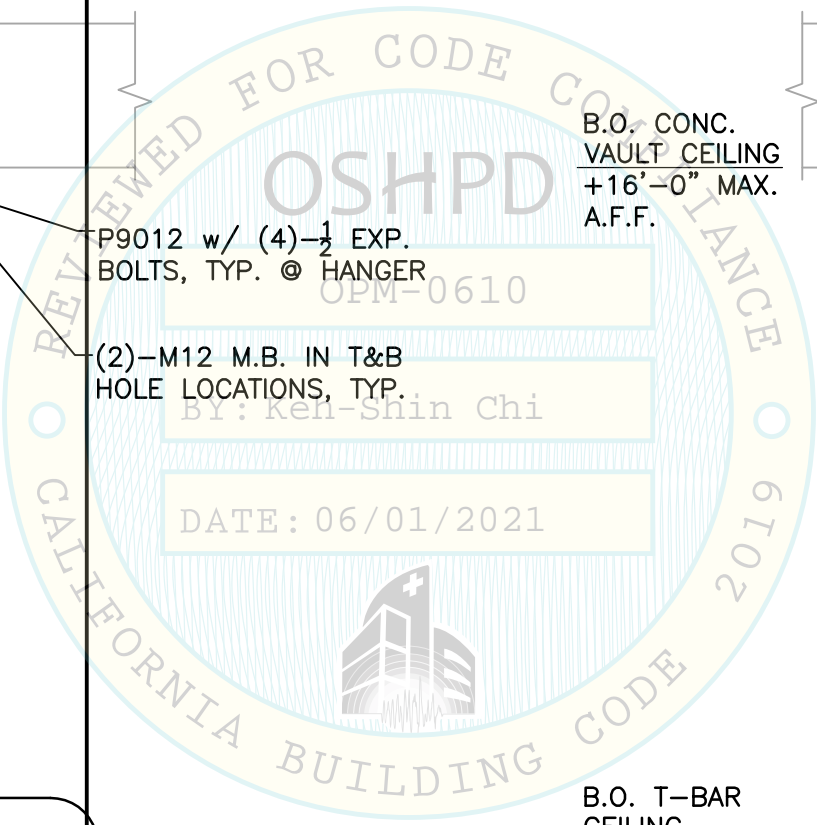
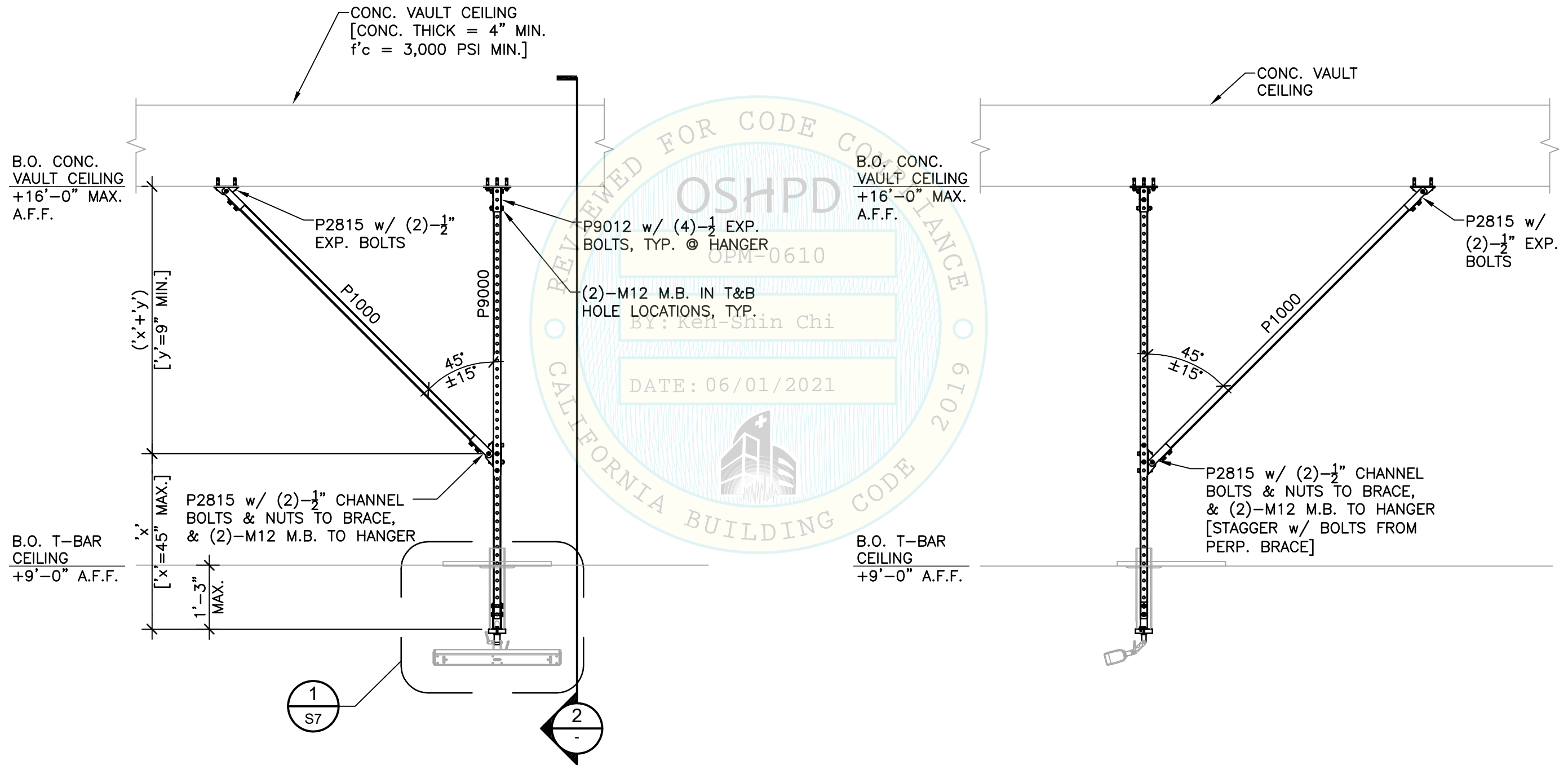
SHEET TITLE:

ASK

DESIGNER:

19059

PROJ. NO:



1 CAMERA TYPICAL CEILING MOUNT - ELEVATION

1/4"=1'-0"

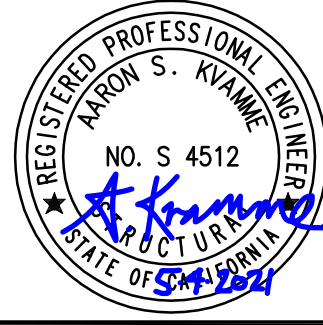
2 CAMERA TYPICAL CEILING MOUNT - ELEVATION

1/4"=1'-0"



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OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION

OPM-0610-19

S5

OPM NO:

DWG. NO:

ACCURAY, INC.

MANUFACTURER:

SYNCHRONY CAMERA MOUNT

PRODUCT NAME: [MODEL FP7000]

2019 CBC

CODE:

05.04.2021

DATE:

CAMERA OBSTRUCTED CEILING MOUNT - NOTES & AXONOMETRIC

SHEET TITLE:

ASK

DESIGNER:

19059

PROJ. NO:

NOTES:

- SEE GENERAL NOTES SHEETS S1 AND S2.
- LOADS TO STRUCTURE SHOWN ARE ALLOWABLE STRENGTH DESIGN LOADS FOR USE WITH ALLOWABLE STRENGTH DESIGN PROCEDURES PER 2019 CBC AND ASCE 7-16. LOADS SHOWN DO NOT INCLUDE OVERSTRENGTH FACTOR.

$S_{ps} = 2.2g$ MAX.
 $a_p = 2.5$
 $R_p = 2.5$
 $I_p = 1.5$
 $z/h = 1.0$ MAX.
 $\Omega_o = 2.5$

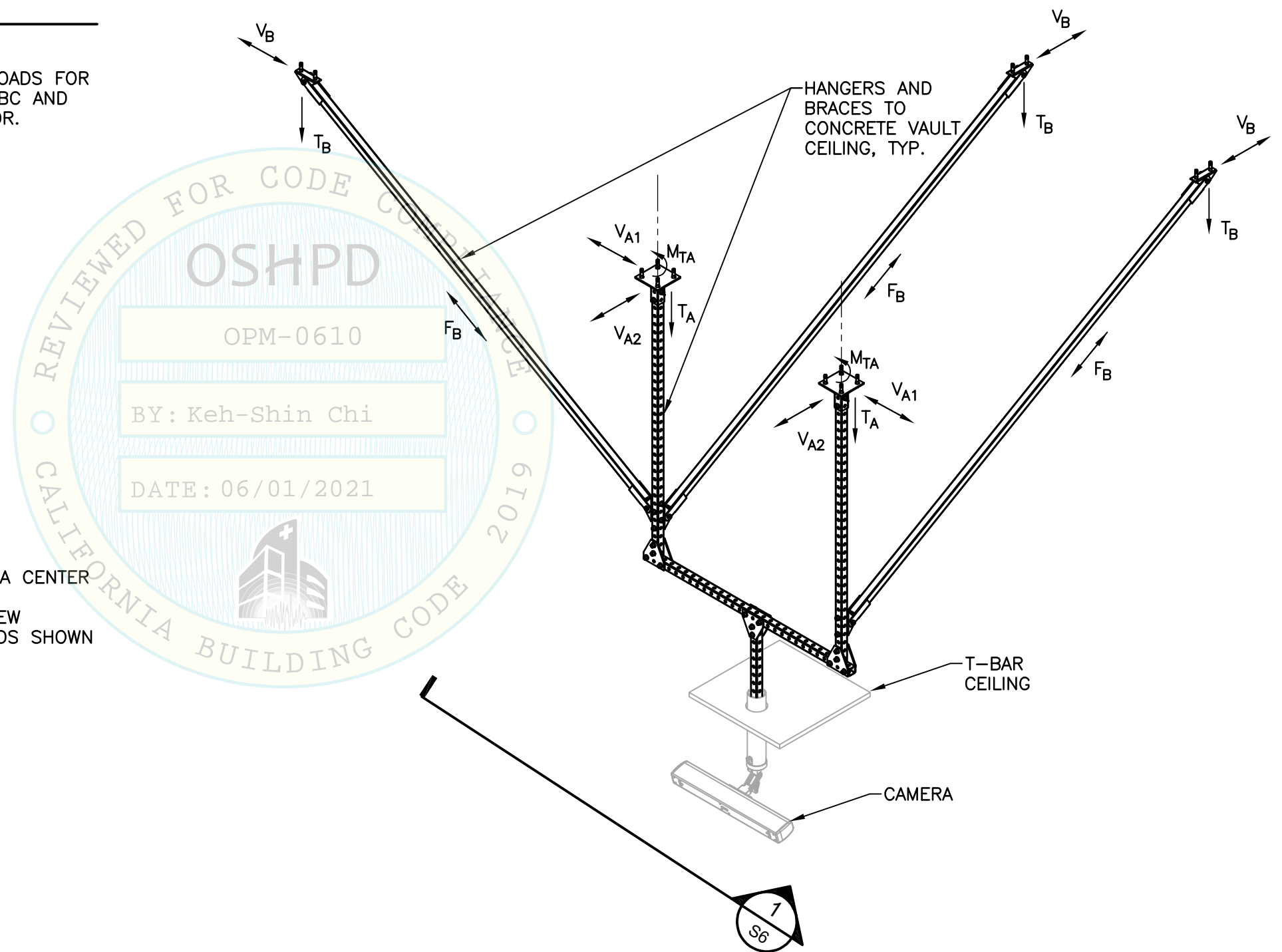
$F_p = 0.7 * 3.96W_p = 2.77W_p$ (ASD)
 $F_v = 0.7 * 0.44W_p = 0.31W_p$ (ASD)

$T_A = 650$ LBS AT CONNECTION (ASD)
 $V_{A1} = 140$ LBS AT CONNECTION (ASD)
 $V_{A2} = 140$ LBS AT CONNECTION (ASD)
 $M_{TA} = 400$ LB-FT AT CONNECTION (ASD)

$T_B = 570$ LBS AT CONNECTION (ASD)
 $V_B = 330$ LBS AT CONNECTION (ASD)

$F_B = 660$ LBS (ASD)

- LOADS TO STRUCTURE SHOWN ARE BASED ON THE MAXIMUM CAMERA CENTER OF GRAVITY LOCATION.
- STRUCTURAL ENGINEER OF RECORD FOR BUILDING SHALL DESIGN NEW STRUCTURE OR REVIEW EXISTING STRUCTURE TO SUPPORT THE LOADS SHOWN CONNECTED TO CONCRETE VAULT CEILING.



1 CAMERA OBSTRUCTED CEILING MOUNT - AXONOMETRIC

1/4"=1'-0"



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OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION

OPM-0610-19

S6

ACCURAY, INC.

MANUFACTURER:

SYNCHRONY CAMERA MOUNT
[MODEL FP7000]

PRODUCT NAME:

2019 CBC

CODE:

05.04.2021

DATE:

CAMERA OBSTRUCTED CEILING MOUNT - ELEVATIONS

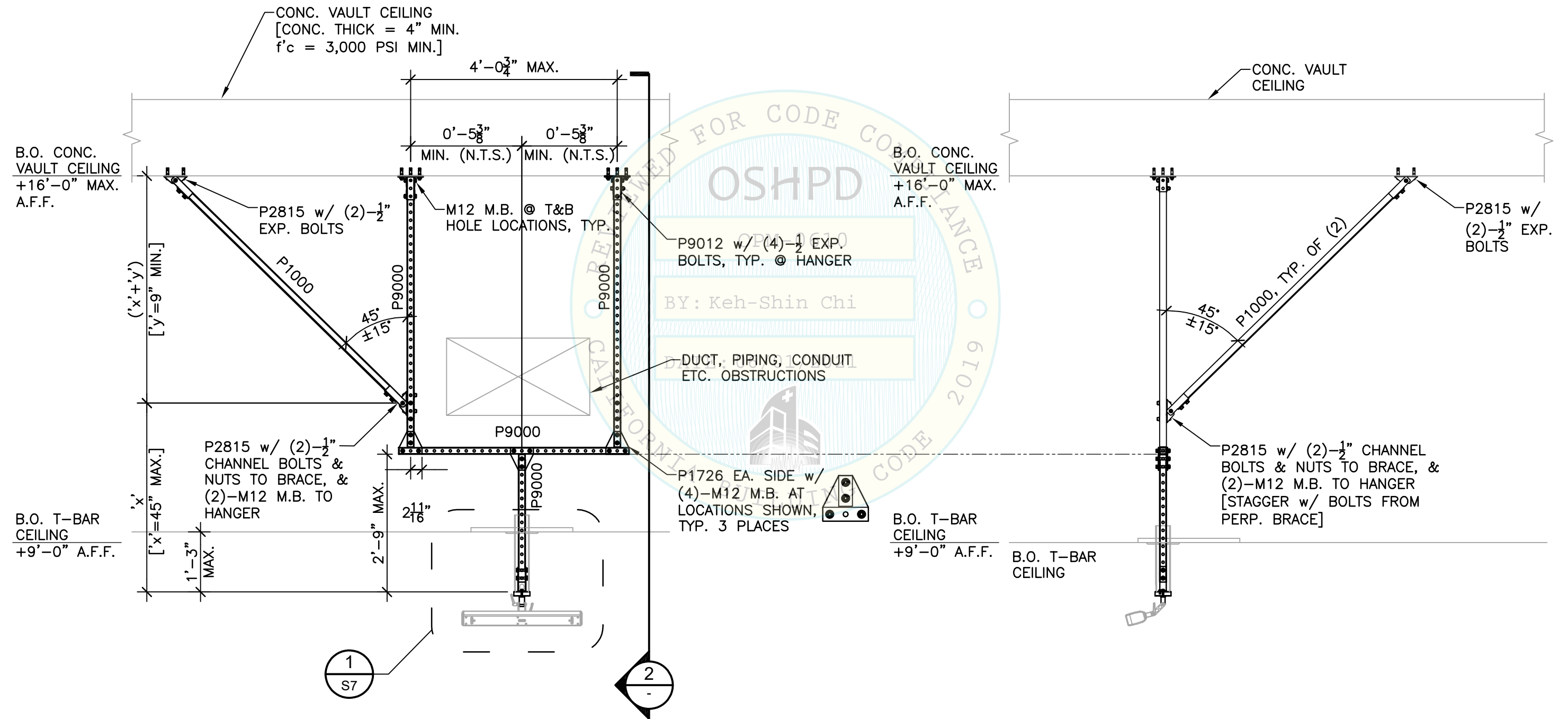
SHEET TITLE:

ASK

DESIGNER:

19059

PROJ. NO:



1 CAMERA OBSTRUCTED CEILING MOUNT - ELEVATION

1/4"=1'-0"

2 CAMERA OBSTRUCTED CEILING MOUNT - ELEVATION

1/4"=1'-0"



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OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION

OPM-0610-19

S7

OPM NO:

DWG. NO:

ACCURAY, INC.

MANUFACTURER:

SYNCHRONY CAMERA MOUNT

PRODUCT NAME:

[MODEL FP7000]

2019 CBC

CODE:

05.04.2021

DATE:

CAMERA CONNECTION TO STRUT FRAMING

SHEET TITLE:

ASK

DESIGNER:

19059

PROJ. NO:

1.00" OVERSIZED ANNULAR RING IN
CEILING TILE AROUND TUBE, SYNCHRONY
STRUT COVER, PER ASTM E580

1.00" MIN. ALL AROUND
FOR COVER PLATE

0.81" MIN. P9000
END DISTANCE PER
STRUT MANUF.,
TYP. EA. END

1.63"

1.25"

0.21"

CL

P9000

CEILING TILE
CEILING TILE COVER PL

TUBE, SYNCHRONY
STRUT COVER,
(NON-STRUCTURAL)
[ACCURAY PART NO.: 1065191]

COLUMN BOTTOM ADAPTER
[ACCURAY PART NO.: 1063333],
BENT PL 0.135"

(2)-M12 M.B. w/
WASHER EA. SIDE

SHCS M8-1.25x20
GR 12.9 w/ WASHER,
CENTERED

HEX FLANGE M6-1x16
GR 10.9, OFFSET

0.88"

1.88"

1.50"

3.23"

0.98"

1.99"

0.98"

2.95"

4.50"

MOUNT, LOWER END
[ACCURAY PART
NO.: 1063168]
3.78" Ø MACHINED

ICW USA UL90
MONITOR MOUNT SIDE
LINKS w/ HANDLE
HARDWARE

CAMERA
CG WT. = 9.7 LBS

1 CAMERA CONNECTION TO STRUT FRAMING

3"=1'-0"



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OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION

OPM-0610-19

S8

ACCURAY, INC.

MANUFACTURER:

SYNCHRONY CAMERA MOUNT
[MODEL FP7000]

PRODUCT NAME:

2019 CBC

CODE:

05.04.2021

DATE:

CAMERA WALL MOUNT - PLAN, ELEVATION, AND SECTION

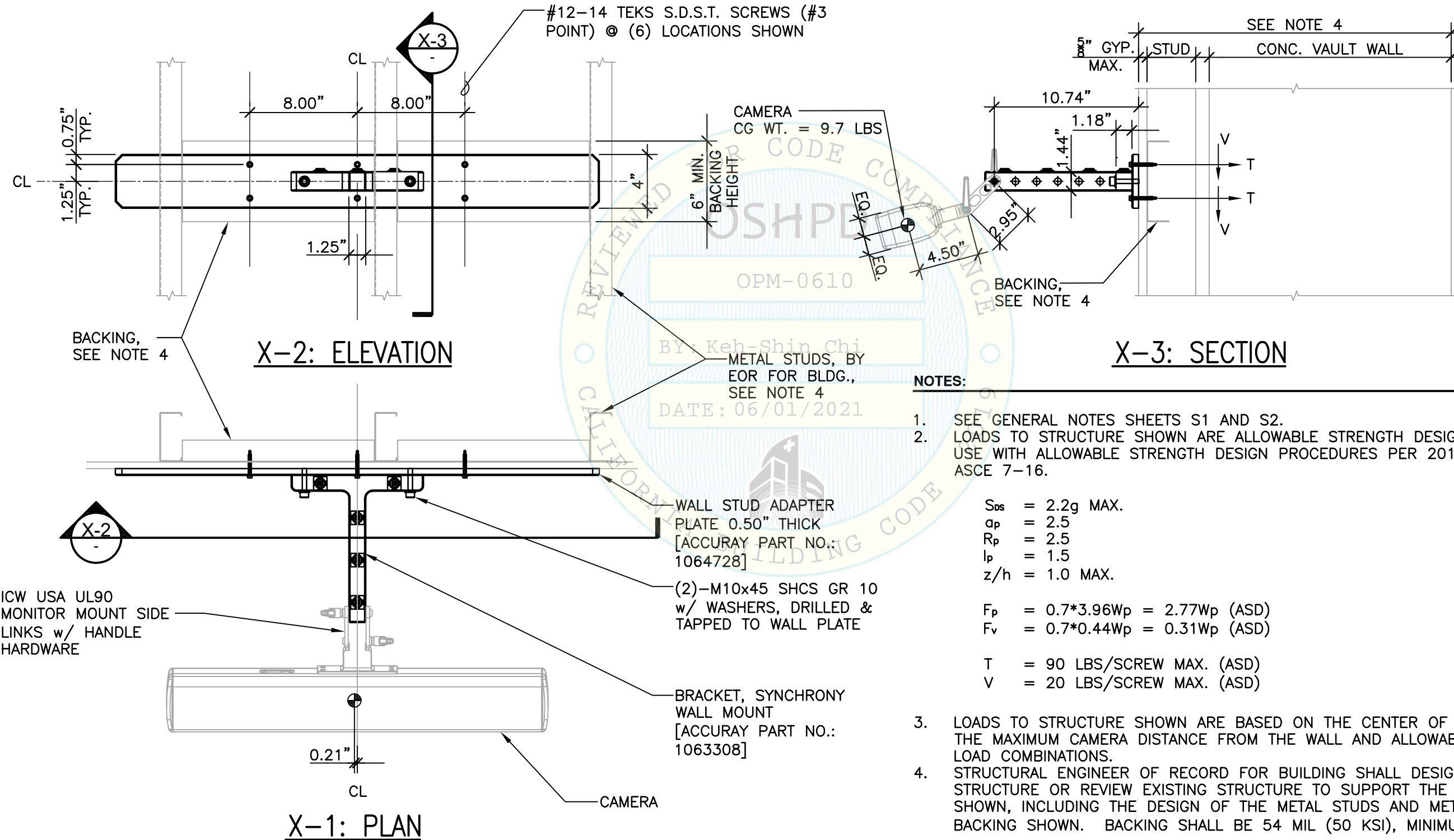
SHEET TITLE:

ASK

DESIGNER:

19059

PROJ. NO:



NOTES:

- SEE GENERAL NOTES SHEETS S1 AND S2.
- LOADS TO STRUCTURE SHOWN ARE ALLOWABLE STRENGTH DESIGN LOADS FOR USE WITH ALLOWABLE STRENGTH DESIGN PROCEDURES PER 2019 CBC AND ASCE 7-16.
 - $S_{ds} = 2.2g \text{ MAX.}$
 - $a_p = 2.5$
 - $R_p = 2.5$
 - $I_p = 1.5$
 - $z/h = 1.0 \text{ MAX.}$
 - $F_p = 0.7 \cdot 3.96W_p = 2.77W_p \text{ (ASD)}$
 - $F_v = 0.7 \cdot 0.44W_p = 0.31W_p \text{ (ASD)}$
 - $T = 90 \text{ LBS/SCREW MAX. (ASD)}$
 - $V = 20 \text{ LBS/SCREW MAX. (ASD)}$
- LOADS TO STRUCTURE SHOWN ARE BASED ON THE CENTER OF GRAVITY FOR THE MAXIMUM CAMERA DISTANCE FROM THE WALL AND ALLOWABLE STRENGTH LOAD COMBINATIONS.
- STRUCTURAL ENGINEER OF RECORD FOR BUILDING SHALL DESIGN NEW STRUCTURE OR REVIEW EXISTING STRUCTURE TO SUPPORT THE LOADS SHOWN, INCLUDING THE DESIGN OF THE METAL STUDS AND METAL STUD BACKING SHOWN. BACKING SHALL BE 54 MIL (50 KSI), MINIMUM.

1

CAMERA CONNECTION TO STRUT FRAMING

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

6/1/2021