



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

**APPLICATION FOR OSHPD SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

APPLICATION #: OSP-0700

OSHPD Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Siemens Industry, Inc.

Manufacturer's Technical Representative: Timothy Fink

Mailing Address: 1320 Old Georgia Road, Roebuck, SC 29376

Telephone: (864) 595-6417

Email: timothy.fink@siemens.com

Product Information

Product Name: Electrical Busways

Product Type: NA

Product Model Number: Sentron Busway Systems

General Description: Copper and Aluminum Busway for distribution of power in industrial, commercial, and institutional environments.

Mounting Description: Rigid, See Certified Product Tables

Tested Seismic Enhancements: None

Applicant Information

Applicant Company Name: WE Gundy & Associates, Inc

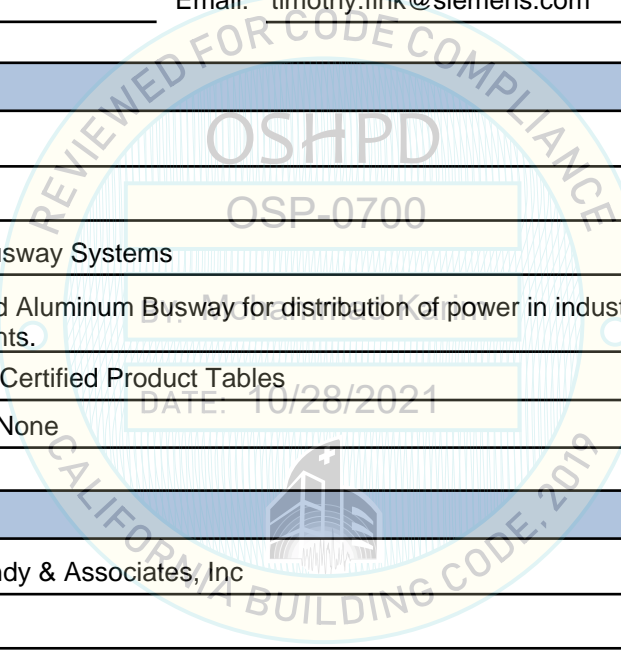
Contact Person: Travis Soppe

Mailing Address: PO Box 9121, Boise, ID 83707

Telephone: (208) 342-5989

Email: tsoppe@wegai.com

Title: President





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

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

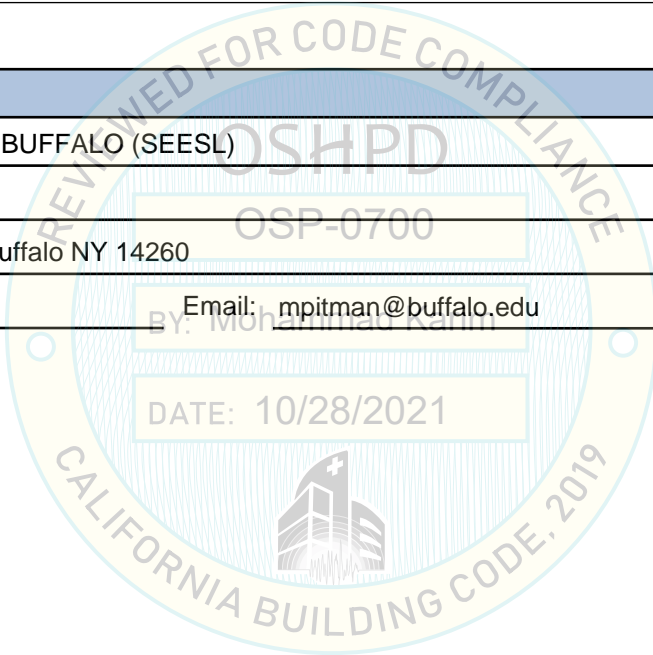
Company Name: W.E. GUNDY & ASSOCIATES INC.
Name: Travis Soppe California License Number: S6115
Mailing Address: P.O. Box 9121, Boise, ID 83707
Telephone: (208) 342-5989 Email: tsoppe@wegai.com

Certification Method

GR-63-Core ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3
 Other (Please Specify): _____

Testing Laboratory

Company Name: UNIVERSITY OF BUFFALO (SEESL)
Contact Person: Mark C. Pitman
Mailing Address: 212 Ketter Hall, Buffalo NY 14260
Telephone: (716) 645-4377 Email: mpitman@buffalo.edu





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

Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = 3.6

SDS (Design spectral response acceleration at short period, g) = 2.0

a_p (Amplification factor) = 2.5

R_p (Response modification factor) = 2.5

Ω_0 (System overstrength factor) = 2.0

I_p (Importance factor) = 1.5

z/h (Height ratio factor) = 1

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

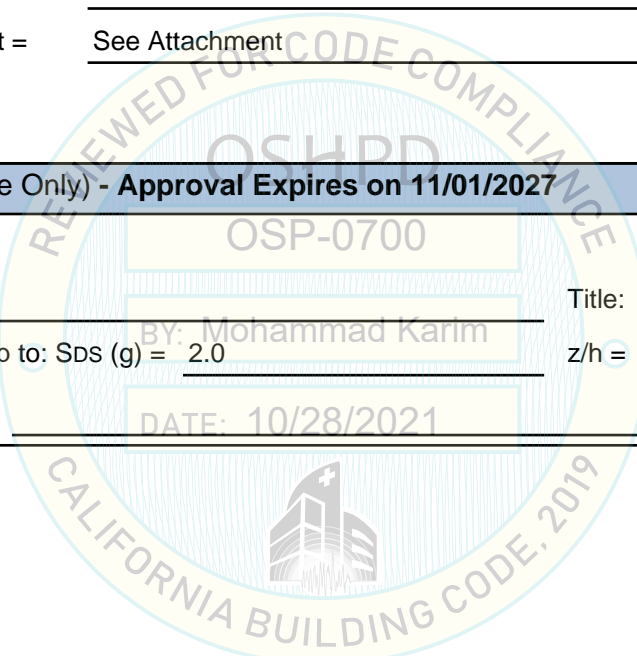
OSHPD Approval (For Office Use Only) - Approval Expires on 11/01/2027

Date: 10/28/2021

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = 2.0 z/h = 1

Condition of Approval (if applicable): DATE: 10/28/2021



SIEMENS SENTRON BUSWAY - ALUMINUM CERTIFIED PRODUCT LINE MATRIX



Identification Number ¹	Amperage Rating	Width (in)	Height (in)	Weight (lbs/ft) (min - max)	Representative UUT
Aluminum Busway - Flat Mounted - Max Span = 10ft					
SXx02(A/L)xx(F/P/O)xxx	225A	3.9	5.0	5-7	Extrapolated
SXx04(A/L)xx(F/P/O)xxx	400A	3.9	5.0	5-7	Extrapolated
SXx06(A/L)xx(F/P/O)xxx	600A	3.9	5.0	5-7	Extrapolated
SXx08(A/L)xx(F/P/O)xxx	800A	4.6	5.0	6-8	Extrapolated
SXx10(A/L)xx(F/P/O)xxx	1000A	5.4	5.0	7-9	Extrapolated
SX510A20(F/P)xxx	1000A	5.4	5.0	9	UUT-13.2ab / 13.4 / 13.6 / 13.8
SXx12(A/L)xx(F/P/O)xxx	1200A	6.6	5.0	8-11	Interpolated
SXx13(A/L)xx(F/P/O)xxx	1350A	7.6	5.0	9-13	Interpolated
SXx16(A/L)xx(F/P/O)xxx	1600A	8.7	5.0	10-15	Interpolated
SXx20(A/L)xx(F/P/O)xxx	2000A	10.9	5.0	13-19	Interpolated
SXx25(A/L)xx(F/P/O)xxx	2500A	13.7	5.0	15-23	Interpolated
SXx30(A/L)xx(F/P/O)xxx	3000A	15.8	5.0	17-27	Interpolated
SXx32(A/L)xx(F/P/O)xxx	3200A	17.3	5.0	18-29	Interpolated
SXx40(A/L)xx(F/P/O)xxx	4000A	20.3	5.0	22-35	Interpolated
SX540A20(F/P)xxx	4000A	20.3	5.0	35	UUT-13.1 / 13.3ab / 13.5ab / 13.7
Aluminum Busway - Edge Mounted - Max Span = 10ft					
SXx02(A/L)xx(F/P/O)xxx	225A	3.9	5.0	5-7	Extrapolated
SXx04(A/L)xx(F/P/O)xxx	400A	3.9	5.0	5-7	Extrapolated
SXx06(A/L)xx(F/P/O)xxx	600A	3.9	5.0	5-7	Extrapolated
SXx08(A/L)xx(F/P/O)xxx	800A	4.6	5.0	6-8	Extrapolated
SXx10(A/L)xx(F/P/O)xxx	1000A	5.4	5.0	7-9	Extrapolated
SX510A20(F/P)xxx	1000A	5.4	5.0	9	UUT-13.6 / 13.8
SXx12(A/L)xx(F/P/O)xxx	1200A	6.6	5.0	8-11	Interpolated
SXx13(A/L)xx(F/P/O)xxx	1350A	7.6	5.0	9-13	Interpolated
SXx16(A/L)xx(F/P/O)xxx	1600A	8.7	5.0	10-15	Interpolated
SXx20(A/L)xx(F/P/O)xxx	2000A	10.9	5.0	13-19	Interpolated
SXx25(A/L)xx(F/P/O)xxx	2500A	13.7	5.0	15-23	Interpolated
SXx30(A/L)xx(F/P/O)xxx	3000A	15.8	5.0	17-27	Interpolated
SXx32(A/L)xx(F/P/O)xxx	3200A	17.3	5.0	18-29	Interpolated
SXx40(A/L)xx(F/P/O)xxx	4000A	20.3	5.0	22-35	Interpolated
SX540A20(F/P)xxx	4000A	20.3	5.0	35	UUT-13.5ab / 13.7

General Notes:

¹ "x" designates bus phases / neutral, "xx" designates grounding and IP rating, and "xxx" designates bus segment length. The "L" and "M" ratings are de-rated ampere ratings of standard constructions where the cross-sectional rating of the conductor, Amps/in², is sized not to exceed either 750A/in² for aluminum or 1000A/in² for copper. Both "F" (Feeder) and "P" (Plugging) were tested and the "O" is one sided plugin busway which has the same construction as the plugin, but only with plugin options on oneside of the busway.

² Maximum unsupported span of 10' for horizontal bus runs and 12' for vertical bus runs with spring hangers spaced no more than 16' apart, see Siemens Industries seismic restraint drawings 3S-9304.

SIEMENS SENTRON BUSWAY - ALUMINUM CERTIFIED PRODUCT LINE MATRIX

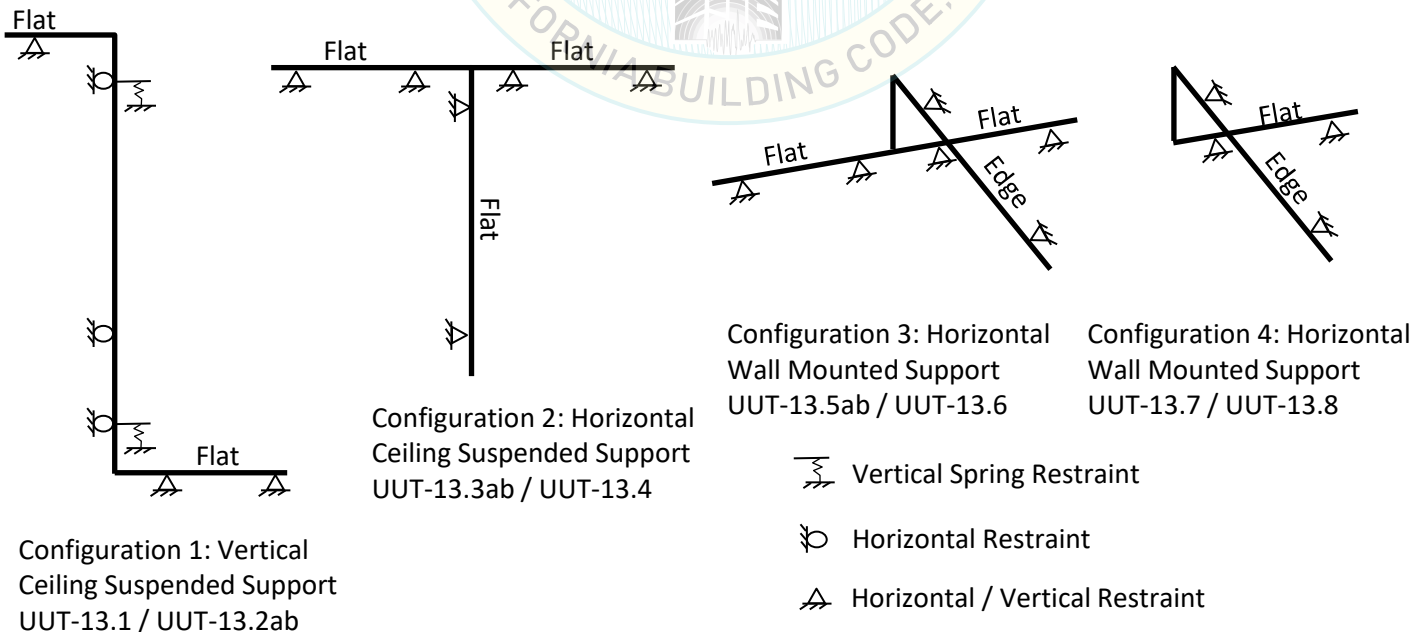


Identification Number ¹	Amperage Rating	Width (in)	Height (in)	Weight (lbs/ft) (min - max)	Representative UUT
Aluminum Busway - Vertically Mounted - Max Span = 12ft					
SXx02(A/L)xx(F/P/O)xxx	225A	3.9	5.0	5-7	Extrapolated
SXx04(A/L)xx(F/P/O)xxx	400A	3.9	5.0	5-7	Extrapolated
SXx06(A/L)xx(F/P/O)xxx	600A	3.9	5.0	5-7	Extrapolated
SXx08(A/L)xx(F/P/O)xxx	800A	4.6	5.0	6-8	Extrapolated
SXx10(A/L)xx(F/P/O)xxx	1000A	5.4	5.0	7-9	Extrapolated
SX510A20(F/P)xxx	1000A	5.4	5.0	9	UUT-13.2ab
SXx12(A/L)xx(F/P/O)xxx	1200A	6.6	5.0	8-11	Interpolated
SXx13(A/L)xx(F/P/O)xxx	1350A	7.6	5.0	9-13	Interpolated
SXx16(A/L)xx(F/P/O)xxx	1600A	8.7	5.0	10-15	Interpolated
SXx20(A/L)xx(F/P/O)xxx	2000A	10.9	5.0	13-19	Interpolated
SXx25(A/L)xx(F/P/O)xxx	2500A	13.7	5.0	15-23	Interpolated
SXx30(A/L)xx(F/P/O)xxx	3000A	15.8	5.0	17-27	Interpolated
SXx32(A/L)xx(F/P/O)xxx	3200A	17.3	5.0	18-29	Interpolated
SXx40(A/L)xx(F/P/O)xxx	4000A	20.3	5.0	22-35	Interpolated
SX540A20(F/P)xxxx	4000A	20.3	5.0	35	UUT-13.1

General Notes:

¹ "x" designates bus phases / neutral, "xx" designates grounding and IP rating, and "xxx" designates bus segment length. The "L" and "M" ratings are de-rated ampere ratings of standard constructions where the cross-sectional rating of the conductor, Amps/in², is sized not to exceed either 750A/in² for aluminum or 1000A/in² for copper. Both "F" (Feeder) and "P" (Plugging) were tested and the "O" is one sided plugin busway which has the same construction as the plugin, but only with plugin options on oneside of the busway.

² Maximum unsupported span of 10' for horizontal bus runs and 12' / 16' for vertical bus runs, see Siemens Industries seismic restraint drawings 3S-9304.



SIEMENS SENTRON BUSWAY - COPPER CERTIFIED PRODUCT LINE MATRIX



Identification Number	Amperage Rating	Width (in)	Height (in)	Weight (lbs/ft) (min - max)	Representative UUT
Copper Busway - Flat Mounted - Max Span = 10ft					
SXx02(C/M)xx(F/P/O)xxx	225A	3.9	5.0	9-13	Extrapolated
SXx04(C/M)xx(F/P/O)xxx	400A	3.9	5.0	9-13	Extrapolated
SXx06(C/M)xx(F/P/O)xxx	600A	3.9	5.0	9-13	Extrapolated
SXx08(C/M)xx(F/P/O)xxx	800A	3.9	5.0	9-13	Extrapolated
SXx10(C/M)xx(F/P/O)xxx	1000A	4.4	5.0	10-16	Extrapolated
SX510C20(F/P)xxx	1000A	4.4	5.0	16	UUT-29.2 / 29.4 / 29.6 / 29.8
SXx12(C/M)xx(F/P/O)xxx	1200A	5.1	5.0	12-19	Interpolated
SXx13(C/M)xx(F/P/O)xxxx	1350A	5.7	5.0	14-23	Interpolated
SXx16(C/M)xx(F/P/O)xxx	1600A	6.7	5.0	17-28	Interpolated
SXx20(C/M)xx(F/P/O)xxx	2000A	8.7	5.0	13-36	Interpolated
SXx25(C/M)xx(F/P/O)xxx	2500A	10.7	5.0	30-50	Interpolated
SXx30(C/M)xx(F/P/O)xxx	3000A	11.8	5.0	33-56	Interpolated
SXx32(C/M)xx(F/P/O)xxx	3200A	13.3	5.0	37-64	Interpolated
SXx40(C/M)xx(F/P/O)xxx	4000A	15.3	5.0	43-75	Interpolated
SXx50(C/M)xx(F/P/O)xxx	5000A	19.3	5.0	56-97	Interpolated
SX550C20(F/P)xxx	5000A	19.3	5.0	97	UUT-29.1 / 29.3ab / 29.5abc / 29.7ab
Copper Busway - Edge Mounted - Max Span = 10ft					
SXx02(C/M)xx(F/P/O)xxx	225A	3.9	5.0	9-13	Extrapolated
SXx04(C/M)xx(F/P/O)xxx	400A	3.9	5.0	9-13	Extrapolated
SXx06(C/M)xx(F/P/O)xxx	600A	3.9	5.0	9-13	Extrapolated
SXx08(C/M)xx(F/P/O)xxx	800A	3.9	5.0	9-13	Extrapolated
SXx10(C/M)xx(F/P/O)xxx	1000A	4.4	5.0	10-16	Extrapolated
SX510C20(F/P)xxx	1000A	4.4	5.0	16	UUT-29.6 / 8
SXx12(C/M)xx(F/P/O)xxx	1200A	5.1	5.0	12-19	Interpolated
SXx13(C/M)xx(F/P/O)xxxx	1350A	5.7	5.0	14-23	Interpolated
SXx16(C/M)xx(F/P/O)xxx	1600A	6.7	5.0	17-28	Interpolated
SXx20(C/M)xx(F/P/O)xxx	2000A	8.7	5.0	13-36	Interpolated
SXx25(C/M)xx(F/P/O)xxx	2500A	10.7	5.0	30-50	Interpolated
SXx30(C/M)xx(F/P/O)xxx	3000A	11.8	5.0	33-56	Interpolated
SXx32(C/M)xx(F/P/O)xxx	3200A	13.3	5.0	37-64	Interpolated
SXx40(C/M)xx(F/P/O)xxx	4000A	15.3	5.0	43-75	Interpolated
SXx50(C/M)xx(F/P/O)xxx	5000A	19.3	5.0	56-97	Interpolated
SX550C20(F/P)xxx	5000A	19.3	5.0	97	UUT-29.5abc / 29.7

General Notes:

¹ "x" designates bus phases / neutral, "xx" designates grounding and IP rating, and "xxx" designates bus segment length. The "L" and "M" ratings are de-rated ampere ratings of standard constructions where the cross-sectional rating of the conductor, Amps/in², is sized not to exceed either 750A/in² for aluminum or 1000A/in² for copper. Both "F" (Feeder) and "P" (Plugging) were tested and the "O" is one sided plugin busway which has the same construction as the plugin, but only with plugin options on oneside of the busway.

² Maximum unsupported span of 10' for horizontal bus runs and 12' for vertical bus runs with spring hangers spaced no more than 16' apart, see Siemens Industries seismic restraint drawings 3S-9304.

SIEMENS SENTRON BUSWAY - COPPER CERTIFIED PRODUCT LINE MATRIX

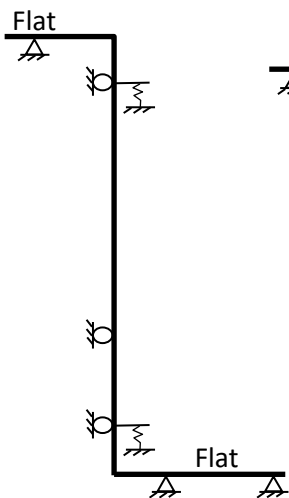


Identification Number	Amperage Rating	Width (in)	Height (in)	Weight (lbs/ft) (min - max)	Representative UUT
Copper Busway - Vertically Mounted - Max Span = 12ft					
SXx02(C/M)xx(F/P/O)xxx	225A	3.9	5.0	9-13	Extrapolated
SXx04(C/M)xx(F/P/O)xxx	400A	3.9	5.0	9-13	Extrapolated
SXx06(C/M)xx(F/P/O)xxx	600A	3.9	5.0	9-13	Extrapolated
SXx08(C/M)xx(F/P/O)xxx	800A	3.9	5.0	9-13	Extrapolated
SXx10(C/M)xx(F/P/O)xxx	1000A	4.4	5.0	10-16	Extrapolated
SX510C20(F/P)xxx	1000A	4.4	5.0	16	UUT-29.2
SXx12(C/M)xx(F/P/O)xxx	1200A	5.1	5.0	12-19	Interpolated
SXx13(C/M)xx(F/P/O)xxxx	1350A	5.7	5.0	14-23	Interpolated
SXx16(C/M)xx(F/P/O)xxx	1600A	6.7	5.0	17-28	Interpolated
SXx20(C/M)xx(F/P/O)xxx	2000A	8.7	5.0	13-36	Interpolated
SXx25(C/M)xx(F/P/O)xxx	2500A	10.7	5.0	30-50	Interpolated
SXx30(C/M)xx(F/P/O)xxx	3000A	11.8	5.0	33-56	Interpolated
SXx32(C/M)xx(F/P/O)xxx	3200A	13.3	5.0	37-64	Interpolated
SXx40(C/M)xx(F/P/O)xxx	4000A	15.3	5.0	43-75	Interpolated
SXx50(C/M)xx(F/P/O)xxx	5000A	19.3	5.0	56-97	Interpolated
SX550C20(F/P)xxx	5000A	19.3	5.0	97	UUT-29.1

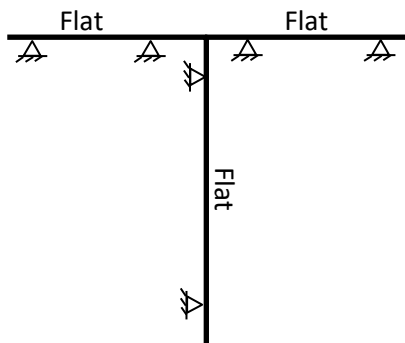
General Notes:

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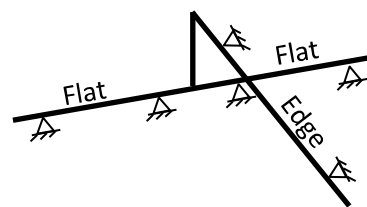
² Maximum unsupported span of 10' for horizontal bus runs and 12' for vertical bus runs with spring hangers spaced no more than 16' apart, see Siemens Industries seismic restraint drawings 3S-9304.



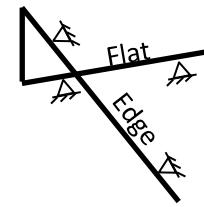
Configuration 1: Vertical Ceiling Suspended Support
UUT-29.1 / UUT-29.2



Configuration 2: Horizontal Ceiling Suspended Support
UUT-29.3ab / UUT-29.4



Configuration 3: Horizontal Wall Mounted Support
UUT-29.5abc / UUT-29.6



Configuration 4: Horizontal Wall Mounted Support
UUT-29.7ab / UUT-29.8

Vertical Spring Restraint

Horizontal Restraint

Horizontal / Vertical Restraint

SIEMENS SENTRON BUSWAY - COPPER CERTIFIED SUBCOMPONENT MATRIX



Identification Number	Ampere	Description	Auxiliary Bracing ¹	Weight (lbs)	Representative UUT
Copper Elbow Stack Fittings					
ESEU	1000	Edgewise Elbow Stack Edge Up	NA	25	UUT-29.2
ESE(U,D)	225 - 5000	Edgewise Elbow Stack Edge Up / Down		10 - 125	Interpolated
ESEU	5000	Edgewise Elbow Stack Edge Up		125	UUT-29.1
ESFL	1000	Flatwise Elbow Stack Left Directional	NA	30	UUT-29.6
ESF(R,L)	225 - 5000	Flatwise Elbow Stack Left / Right Directional		15 - 155	Interpolated
ESFL	5000	Flatwise Elbow Stack Left Directional		155	UUT-29.5c
Copper Elbow Section Fittings					
ELED	1000	Edgewise Elbow Section Edge Down	NA	15	UUT-29.2
E(L,O)(E)(U,D)	225 - 5000	Edgewise Elbow Section Edge Up / Down		10 - 165	Interpolated
ELED	5000	Edgewise Elbow Section Edge Down		165	UUT-29.1
ELFL	1000	Flatwise Elbow Section Left Directional	NA	29	UUT-29.6
E(L,O)(F)(R,L)	225 - 5000	Flatwise Elbow Section Left / Right Directional		18 - 390	Interpolated
ELFL	5000	Flatwise Elbow Section Left Directional		390	UUT-29.5abc
Copper Tee Branch Fittings					
TEEU	1000	Edgewise Tees Branch Up	NA	305	UUT-29.6
TEE(U,D)	225 - 5000	Edgewise Tees Branch Up / Down		155 - 1260	Interpolated
TEEU	5000	Edgewise Tees Branch Up		1260	UUT-29.5abc
TEFL	1000	Flatwise Tees Branch Left	NA	85	UUT-29.4
TEF(R,L)	225 - 5000	Flatwise Tees Branch Left / Right		45 - 610	Interpolated
TEFL	5000	Flatwise Tees Branch Left		610	UUT-29.3ab
Copper Offset and Combination Fittings					
CORU	1000	Combination Elbow Branch Right and Up	NA	36	UUT-29.8
OFE(U,D)	225 - 5000	Edgewise Offset Elbow Section Edge U / D		10 - 230	Interpolated
OFF(R,L)	225 - 5000	Flatwise Offset Elbow Section Branch R / L		15 - 475	Interpolated
CO(L,R,U,D)	225 - 5000	Combination Elbow Branch R / L / U / D		15 - 625	Interpolated
CORU	5000	Combination Elbow Branch Right and Up		625	UUT-29.7ab
Copper Phase-Rotation Fittings					
TRPG	1000	Phase-Rotation	NA	104	UUT-29.8
TR(P,G)(G,O)	225 - 5000	Phase-Rotation		55-625	Interpolated
TRPG	5000	Phase-Rotation		625	UUT-29.7a
Copper Fused and Non-Fused Reducer Fittings					
RFRF	1000	Fused Reducer 1000A-800A	Required	120	UUT-29.6
R(F,N)R(F,N)	225 - 5000	Fused and Non-Fused Reducers		60-567	Interpolated
RFRF	5000	Fused Reducer 4000A-3000A		567	UUT-29.5b

General Notes

¹ See drawing package 3S-9304 sheets 19-22 for auxiliary bracing details.

SIEMENS SENTRON BUSWAY - COPPER CERTIFIED SUBCOMPONENT MATRIX



Identification Number	Ampere	Description	Auxiliary Bracing ¹	Weight (lbs)	Representative UUT
Copper Expansion Fittings					
XPFT	1000	Expansion Fitting	NA	141	UUT-29.2
XPFT	225 - 5000	Expansion Fitting		75-558	Interpolated
XPFT	5000	Expansion Fitting		558	UUT-29.1
Copper Center and End Cable Tap Boxes					
ETVX	1000	Vertical End Tap Box Extended	Required	120	UUT-29.6
ETV(S,X)	225 - 5000	Vertical End Tap Box Standard / Extended		80 - 367	Interpolated
ETVX	5000	Vertical End Tap Box Extended		367	UUT-29.5
ETHX	1000	Horizontal End Tap Box Extended	Required	142	UUT-29.4
ETH(S,X)	225 - 5000	Horizontal End Tap Box Standard / Extended		80 - 465	Interpolated
ETHX	5000	Horizontal End Tap Box Extended		465	UUT-29.3b
CTBX	1000	Center Tap Box Extended	Required	162	UUT-29.4
CTB(S,X)	225 - 5000	Center Tap Box Standard / Extended		100-735	Interpolated
CTBX	5000	Center Tap Box Extended		735	UUT-29.3a
Copper Joint Mounted Cable Tap Boxes²					
JTVR	1000	Vertical Joint Mounted Tap Box Right	NA	158	UUT-29.2
JTV(L,R,B)	225 - 5000	Vertical Joint Mounted Tap Box R / L / B		120-530	Interpolated
JTVR	5000	Vertical Joint Mounted Tap Box Right		530	UUT-29.1
JTHR	1000	Horizontal Joint Mounted Tap Box	Required	150	UUT-29.6
JTH(L,R,B)	225 - 5000	Horizontal Joint Mounted Tap Box R / L / B		120-575	Interpolated
JTHR	5000	Horizontal Joint Mounted Tap Box		575	UUT-29.5a

General Notes

¹ See drawing package 3S-9304 sheets 19-22 for auxiliary bracing details.

² Weights for joint mounted cable table box include a 4ft section of bus.

SIEMENS SENTRON BUSWAY - ALUMINUM CERTIFIED SUBCOMPONENT MATRIX



Identification Number	Ampere	Description	Auxiliary Bracing ¹	Weight (lbs)	Representative UUT
Elbow Stack Fittings					
ESEU	Siemens	Edgewise Elbow Stack Edge Up	NA	10	UUT-13.2ab
ESE(U,D)	Siemens	Edgewise Elbow Stack Edge Up / Down		8 - 50	Interpolated
ESEU	Siemens	Edgewise Elbow Stack Edge Up		50	UUT-13.1
ESFL	Siemens	Flatwise Elbow Stack Left Directional	NA	13	UUT-13.6
ESF(R,L)	Siemens	Flatwise Elbow Stack Left / Right Directional		10 - 62	Interpolated
ESFL	Siemens	Flatwise Elbow Stack Left Directional		62	UUT-13.5ab
Elbow Section Fittings					
ELED	Siemens	Edgewise Elbow Section Edge Down	NA	18	UUT-13.2ab
E(L,O)(E)(U,D)	Siemens	Edgewise Elbow Section Edge Up / Down		8 - 86	Interpolated
ELED	Siemens	Edgewise Elbow Section Edge Down		86	UUT-13.1
ELFL	Siemens	Flatwise Elbow Section Left Directional	NA	24	UUT-13.6
E(L,O)(F)(R,L)	Siemens	Flatwise Elbow Section Left / Right Directional		10 - 167	Interpolated
ELFL	Siemens	Flatwise Elbow Section Left Directional		167	UUT-13.5ab
Tee Branch Fittings					
TEEU	Siemens	Edgewise Tees Branch Up	NA	275	UUT-13.6
TEE(U,D)	Siemens	Edgewise Tees Branch Up / Down		210-655	Interpolated
TEEU	Siemens	Edgewise Tees Branch Up		655	UUT-13.5ab
TEFL	Siemens	Flatwise Tees Branch Left	NA	49	UUT-13.4
TEF(R,L)	Siemens	Flatwise Tees Branch Left / Right		35-195	Interpolated
TEFL	Siemens	Flatwise Tees Branch Left		195	UUT-13.3ab
Offset and Combination Fittings					
CORU	Siemens	Combination Elbow Branch Right and Up	NA	22	UUT-13.8
OFE(U,D)	Siemens	Edgewise Offset Elbow Section Edge U / D		15-85	Extrapolated
OFF(R,L)	Siemens	Flatwise Offset Elbow Section Branch R / L		17-175	Extrapolated
CO(L,R,U,D)	Siemens	Combination Elbow Branch R / L / U / D		15-250	Interpolated
CORU	Siemens	Combination Elbow Branch Right and Up		250	UUT-13.7
Phase-Rotation Fittings					
TRPG	1000	Phase-Rotation	NA	72	UUT-13.8
TR(P,G)(G,O)	225 - 5000	Phase-Rotation		60-280	Interpolated
TRPG	5000	Phase-Rotation		280	UUT-13.7
Fused and Non-Fused Reducer Fittings					
RFRF	1000	Fused Reducer 1000A-800A	Required	103	UUT-13.6
R(F,N)R(F,N)	225 - 5000	Fused and Non-Fused Reducers		75-415	Interpolated
RFRF	5000	Fused Reducer 4000A-3000A		415	UUT-13.5ab
General Notes					
¹ See drawing package 3S-9304 sheets 19-22 for auxiliary bracing details.					

SIEMENS SENTRON BUSWAY - ALUMINUM CERTIFIED SUBCOMPONENT MATRIX



Identification Number	Ampere	Description	Auxiliary Bracing ¹	Weight (lbs)	Representative UUT
Expansion Fittings					
XPFT	1000	Expansion Fitting	Required	121	UUT-13.2ab
XPFT	225 - 5000	Expansion Fitting		85-340	Interpolated
XPFT	5000	Expansion Fitting		340	UUT-13.1
Center and End Cable Tap Boxes					
ETVX	Siemens	Vertical End Tap Box Extended	Required	109	UUT-13.6
ETV(S,X)	Siemens	Vertical End Tap Box Standard / Extended		80-245	Interpolated
ETVX	Siemens	Vertical End Tap Box Extended		245	UUT-13.5ab
ETHX	Siemens	Horizontal End Tap Box Extended	Required	135	UUT-13.4
ETH(S,X)	Siemens	Horizontal End Tap Box Standard / Extended		115-285	Interpolated
ETHX	Siemens	Horizontal End Tap Box Extended		285	UUT-13.3ab
CTBX	Siemens	Center Tap Box Extended	Required	144	UUT-13.4
CTB(S,X)	Siemens	Center Tap Box Standard / Extended		122-520	Interpolated
CTBX	Siemens	Center Tap Box Extended		520	UUT-13.3ab
Joint Cable Tap Boxes²					
JTVR	Siemens	Aluminum Joint Mounted Tap Box	NA	132	UUT-13.2a
JTV(L,R,B)	Siemens	Aluminum Joint Mounted Tap Box		95-321	Interpolated
JTVR	Siemens	Aluminum Joint Mounted Tap Box		321	UUT-13.1
JTHR	Siemens	Aluminum Joint Mounted Tap Box	Required	131	UUT-13.6
JTH(L,R,B)	Siemens	Aluminum Joint Mounted Tap Box		95-320	Interpolated
JTHR	Siemens	Aluminum Joint Mounted Tap Box		320	UUT-13.5ab

General Notes

¹ See drawing package 3S-9304 sheets 19-22 for auxiliary bracing details.

² Weights for joint mounted cable table box include a 4ft section of bus.

SIEMENS SENTRON BUSWAY PLUGINS CERTIFIED SUBCOMPONENT MATRIX



Identification Number	Description	Bus Orientation	Auxiliary Bracing ¹	Weight (lbs)	Representative UUT
Circuit Breaker Bus Plugs					
SLEC461250GED6	125A	Horizontal or Vertical	NA	34	UUT-13.2a
SLE(C/L)xxxxxxED(2/4/6)	15-125A			30-35	Interpolated
SLF(C/L)xxxxxxFD6	70-250A			35-46	Interpolated
SLFC462500GFD6	250A			46	UUT-13.1
SLLC464000GJD6	400A		Required	76	UUT-29.3b
SLJ(C/L)xxxxxxJD6	200-400A			75-100	Interpolated
SLL(C/L)SxxxxxxLD6	250-600A			95-185	Interpolated
SLM(C/L)SxxxxxxMD6	500-800A			175-225	Interpolated
SLMCS468000GMD6	800A			225	UUT-13.3b
Fusible Breaker Bus Plugs					
SLVBH4610G	30A	Horizontal	NA	33	UUT-13.8
SLVBHxx1xx	30A			33	Interpolated
SLVBHxx2xx	60A			39	Interpolated
SLVBHxx3xx	100A			42	Interpolated
SLVBH4640G	200A			55	UUT-29.8
SLVBH4650G	400A		Required	103	UUT-13.7
SLVBHxx6xx	600A			106	Interpolated
SLVBH4660G	600A			106	UUT-29.7
SLVBR4610G	30A			Vertical	NA
SLVBRxx2xx	60A	39	Interpolated		
SLVBRxx3xx	100A	42	Interpolated		
SLVBRxx4xx	200A	52	Interpolated		
SLVBR4640G	200A	52	UUT-29.1		
SLVBR4650G	400A	Required	108		UUT-29.1
SLVBRxx6xx	600A		110		Interpolated
SLVBR4660G	600A		110		UUT-13.2b

General Notes:

¹ See drawing package 3S-9304 sheets 19-22 for auxiliary bracing details.

SIEMENS SENTRON BUSWAY PLUGINS CERTIFIED SUBCOMPONENT MATRIX



Identification Number	Description	Bus Orientation	Auxiliary Bracing ¹	Weight (lbs)	Representative UUT
SPD Breaker Bus Plugs					
STPHFxxxxx10xx	100kA - TPS3 01, TPS3 09	Horizontal or Vertical	NA	30-38	Interpolated
STPHFxxxxx15xx	100kA - TPS3 01, TPS3 09			30-38	Interpolated
STPHF44GE1L15	150kA - TPS3 L1			38	UUT-29.5a,13.5b
STPHFxxxxx15xx	150kA - TPS3 L1			30-38	Interpolated
STPHFxxxxx20xx	200kA - TPS3 01			30-38	Interpolated
STPHFxxxxx25xx	250kA - TPS3 01			30-38	Interpolated
STPHFxxxxx30xx	300kA - TPS3 01, TPS3 11			30-38	Interpolated
STPHFxxxxx40xx	400kA - TPS3 06			30-38	Interpolated
STPHFxxxxx45xx	450kA - TPS3 L6			30-38	Interpolated
STPHF44GE0650	500kA - TPS3 06			38	UUT-29.2
3/6 Breaker Bus Plugs					
BPSxxx(6)xxx(9A)(M)	10A	Horizontal or Vertical	NA	25-50	Interpolated
BPSxxx(2,6)xxx(9A)(CM)	10A			25-50	Interpolated
BPSxxx(2,6)xxx(9B)(CM)	15A			25-50	Interpolated
BPSA9GD1A1JNN	15A			25	UUT-13.3b
BPSxxx(2,6)xxx(9C)(CM)	20A			25-50	Interpolated
BPSxxx(2,6)xxx(9D)(CM)	25A			25-50	Interpolated
BPSxxx(2,6)xxx(9E)(CM)	30A			25-50	Interpolated
BPSxxx(2,6)xxx(9F)(CM)	35A			25-50	Interpolated
BPSxxx(2,6)xxx(9G)(CM)	40A			25-50	Interpolated
BPSxxx(2,6)xxx(9H)(CM)	45A			25-50	Interpolated
BPSxxx(2,6)xxx(9I)(CM)	50A			25-50	Interpolated
BPSxxx(2,6)xxx(9J)(CM)	60A			25-50	Interpolated
BPSC0G0A2E9ECX	60A			25.5	UUT-29.3b
BPSxxx(2,6)xxx(9K)(CM)	70A			25-50	Interpolated
BPSxxx(2,6)xxx(9M)(CM)	90A			25-50	Interpolated
BPSxxx(2,6)xxx(9P)(CM)	100A			25-50	Interpolated
BPSC0G0A2E9MX	100A			31.5	UUT-13.3b
BPSB9AA31372MX	200A			50	UUT-29.3b

General Notes:

¹ See drawing package 3S-9304 sheets 19-22 for auxiliary bracing details.

Mounting Details: Busway mounts to ceiling suspended support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Ceiling suspended seismic supports are constructed of Siemens trapeze members (SXTH4S), P1000T unistrut bracing, and 1/2" grade 5 stiffened threaded rod assembly. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 14, 17, 22).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX550C20F048, SX550C20PL10, SX550C20F024, SX550C20PL06

Report Number: SEESL 2021-05 (WEGAI/Siemens Report No. 8)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 5000A copper, 3' horiz. flat, 20.5' vertical, 6.5' horiz. flat, ceiling suspended.

UUT Component Description: 5000A copper busway, edge up stack (SX550C20ESEU), edge down elbow (SX550C20ELED), expansion fitting (SX550C20XPFT), 400A fusible breaker (SLVBR4650G), 200A fusible breaker (SLVBR4640G), joint mounted tap box (SX550C20JTVR), and spring hanger (SXSH16A).

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Vertical Restraint Max Unbraced Length (ft)	Horizontal Restraint Max Unbraced Length (ft)	Natural Frequency (Hz)		
				FB	SS	V
3,638	30	16	3	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

Mounting Details: Busway mounts to ceiling suspended support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Ceiling suspended seismic supports are constructed of Siemens trapeze members (SXTH1S), P1000T unistrut bracing, and 1/2" grade 5 stiffened threaded rod assembly. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 14, 17).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX510C20F048, SX510C20PL10, SX510C20F024, SX510C20PL06

Report Number: SEESL 2021-05 (WEGAI/Siemens Report No. 8)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 1000A copper, 3' horiz. flat, 20.5' vertical, 6.5' horiz. flat, ceiling suspended.

UUT Component Description: 1000A copper busway, edge up stack (SX510C20ESEU), edge down elbow (SX510C20ELED), expansion fitting (SX510C20XPFT), 30A fusible breaker (SLVBR4610G), 500kA surge protection device (STPHF44GE0650), joint mounted tap box (SX510C20JTVR), and spring hanger (SXSH6).

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Vertical Restraint Max Unbraced Length (ft)	Horizontal Restraint Max Unbraced Length (ft)	Natural Frequency (Hz)		
				FB	SS	V
715	30	16	3	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

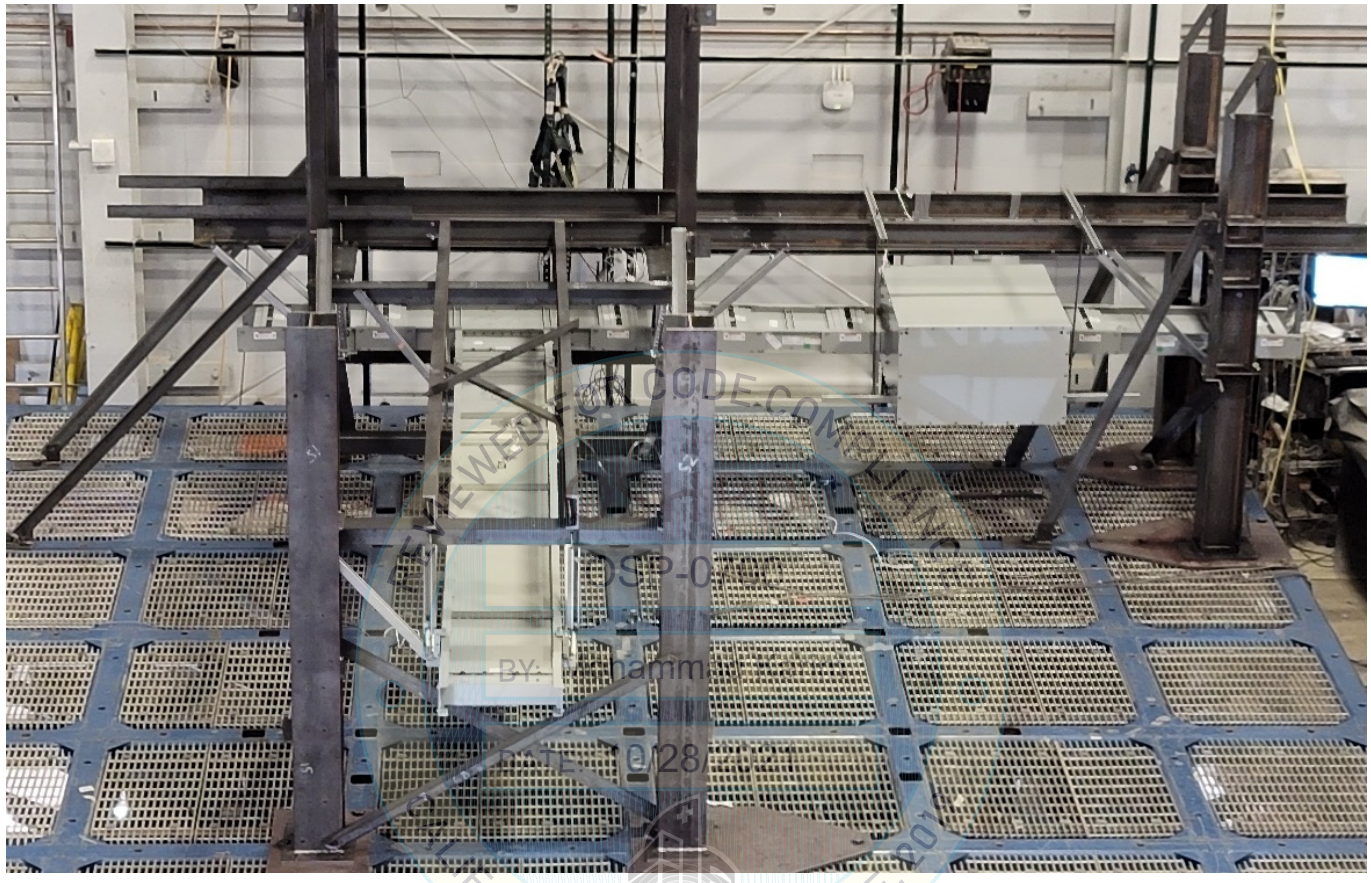
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-29.3a

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Busway mounts to ceiling suspended support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Ceiling suspended seismic supports are constructed of Siemens trapeze members (SXT4S), P1000T unistrut bracing, and 1/2" grade 5 stiffened threaded rod assembly. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 14, 17, 20).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX550C20F048, SX550C20PL10, SX550C20F024, SX550C20PL06

Report Number: SEESL 2021-03 (WEGAI/Siemens Report No. 6)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 5000A copper, 4' horiz. flat, 14' horiz. flat, 12' horiz. flat, ceiling suspended.

UUT Component Description: 5000A copper busway, flat tee (SX550C20TEFL), and center tap box (SX550C20CTBX).

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Horizontal / Vertical Restraint Max Unbraced Length (ft)	Natural Frequency (Hz)		
			FB	SS	V
3,655	30.5	11	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-29.3b

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Busway mounts to ceiling suspended support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Ceiling suspended seismic supports are constructed of Siemens trapeze members (SXT4S), P1000T unistrut bracing, and 1/2" grade 5 stiffened threaded rod assembly. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 14, 17, 19, 22).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX550C20F048, SX550C20PL10, SC550X20F024, SX550C20PL06

Report Number: SEESL 2021-03 (WEGAI/Siemens Report No. 6)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 5000A copper, 4' horiz. flat, 14' horiz. flat, 12' horiz. flat, ceiling suspended.

UUT Component Description: 5000A copper busway, flat tee (SX550C20TEFL), end tap box (SX550C20ETHX), 400A circuit breaker (SLIC464000GJD6), and 3/6 breaker (BPSB9AA31372MX, BPSC0G0A2E9ECX).

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Horizontal / Vertical Restraint Max Unbraced Length (ft)	Natural Frequency (Hz)		
			FB	SS	V
4,100	30.5	11	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-29.4

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Busway mounts to ceiling suspended support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Ceiling suspended seismic supports are constructed of Siemens trapeze members (SXTH1S), P1000T unistrut bracing, and 1/2" grade 5 stiffened threaded rod assembly. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 14, 17, 19, 20).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX510C20F048, SX510C20PL10, SX510C20F024, SX510C20PL06

Report Number: SEESL 2021-03 (WEGAI/Siemens Report No. 6)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 1000A copper, 4' horiz. flat, 14' horiz. flat, 12' horiz. flat, ceiling suspended.

UUT Component Description: 1000A copper busway, flat tee (SX510C20TEFL), center tap box (SX510C20CTBX), and end tap box (SX510C20ETHX).

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Horizontal / Vertical Restraint Max Unbraced Length (ft)	Natural Frequency (Hz)		
			FB	SS	V
773	30.5	11	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-29.5a

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Busway mounts to wall support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Wall supports are constructed of Siemens wall bracket (SXWH1S, edge / SXWH4S, flat) and P1000T unistrut lateral bracing. Bus support bracing details are provided in Siemens drawing no. 3S-9304 (sheet 18).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX550C20F048, SX550C20FL38, SC550X20F024, SX550C20PL06

Report Number: SEESL 2020-05 (WEGAI/Siemens Report No. 2)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 5000A copper, 10' horiz. flat, 9.5' horiz. edge, 14' horiz. flat, wall mounted.

UUT Component Description: 5000A copper busway, edge up tee (SX550C20TEEU), horizontal joint tap box (SX550C20JTHR), flat elbow (SX550C20ELFL), and 150kA SPD (STPHF44GE1L15X).

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Flat Orientation - Max Unbraced Length (ft)	Edge Orientation - Max Unbraced Length (ft)	Natural Frequency (Hz)		
				FB	SS	V
4,228	33.5	10	1' cantilever	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-29.5b

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Busway mounts to wall support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Wall supports are constructed of Siemens wall bracket (SXWH1S, edge / SXWH4S, flat) and P1000T unistrut lateral bracing. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 18, 21).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX550C20F048, SX550C20F024, SX550X20PL06, SX530C20F036

Report Number: SEESL 2020-05 (WEGAI/Siemens Report No. 2)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 5000A copper, 10' horiz. flat, 9.5' horiz. edge, 14' horiz. flat, wall mounted.

UUT Component Description: 5000A copper busway, edge up tee (SX550C20TEEU), 5000A-4000A Reducer (SX550C20RFRF), and flat elbow (SX550C20ELFL)

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Flat Orientation - Max Unbraced Length (ft)	Edge Orientation - Max Unbraced Length (ft)	Natural Frequency (Hz)		
				FB	SS	V
4,165	33.5	10	1' cantilever	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

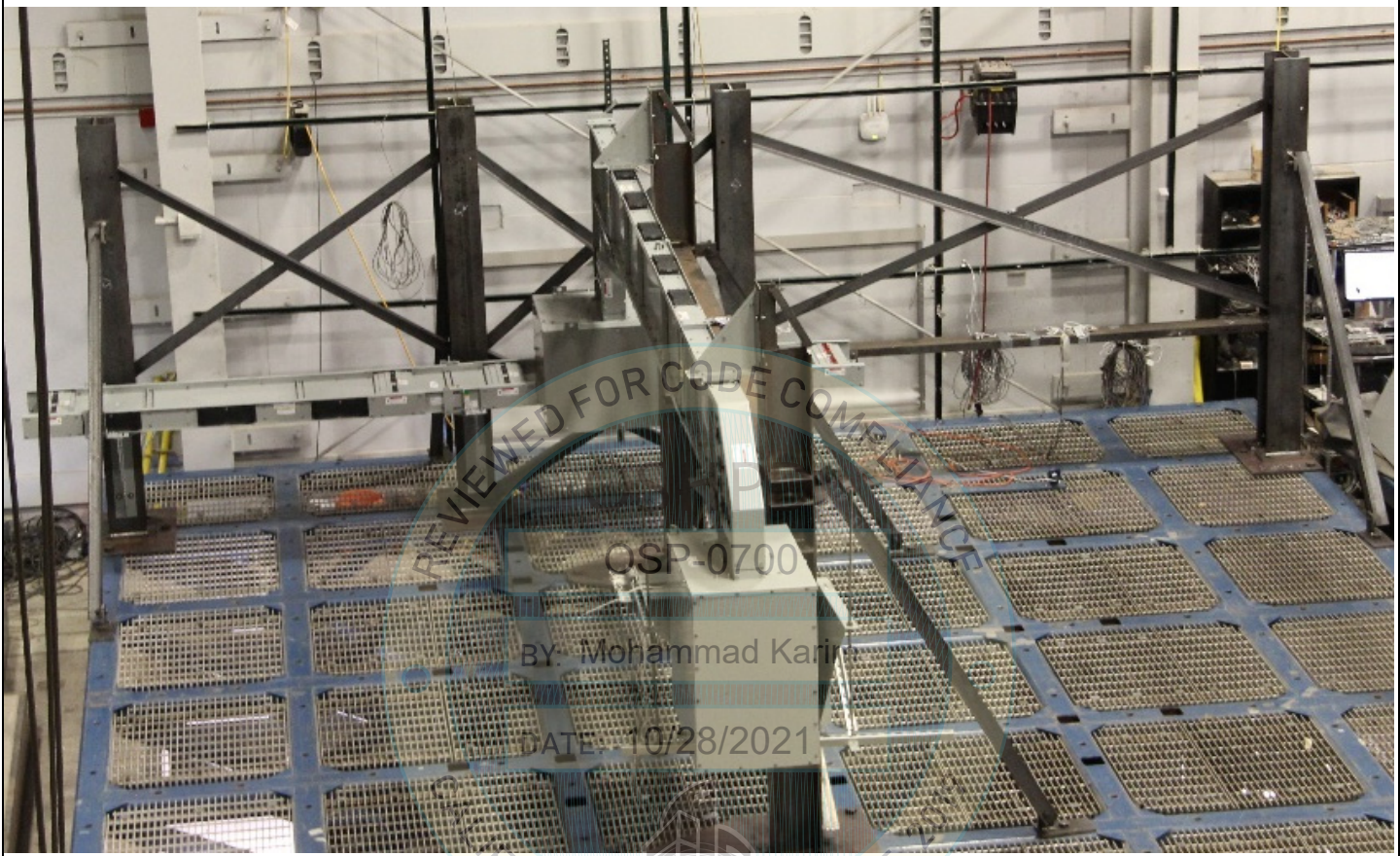
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-29.5c

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Busway mounts to wall support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Wall supports are constructed of Siemens wall bracket (SXWH1S, edge / SXWH4S, flat) and P1000T unistrut lateral bracing. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 18, 19).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX550C20F024, SX550C20PL06, SX550C20PL10

Report Number: SEESL 2020-05 (WEGAI/Siemens Report No. 2)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 5000A copper, 10' horiz. flat, 21.5' horiz. edge, 4' horiz. flat, wall mounted.

UUT Component Description: 5000A copper busway, edge up tee (SX550C20TEEU), flat stack elbow (SX550C20ESFL), flat elbow (SX550C20ELFL), and end tap box (SX550C20ETVX).

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Flat Orientation - Max Unbraced Length (ft)	Edge Orientation - Max Unbraced Length (ft)	Natural Frequency (Hz)		
				FB	SS	V
4,632	35.5	6.5	11	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

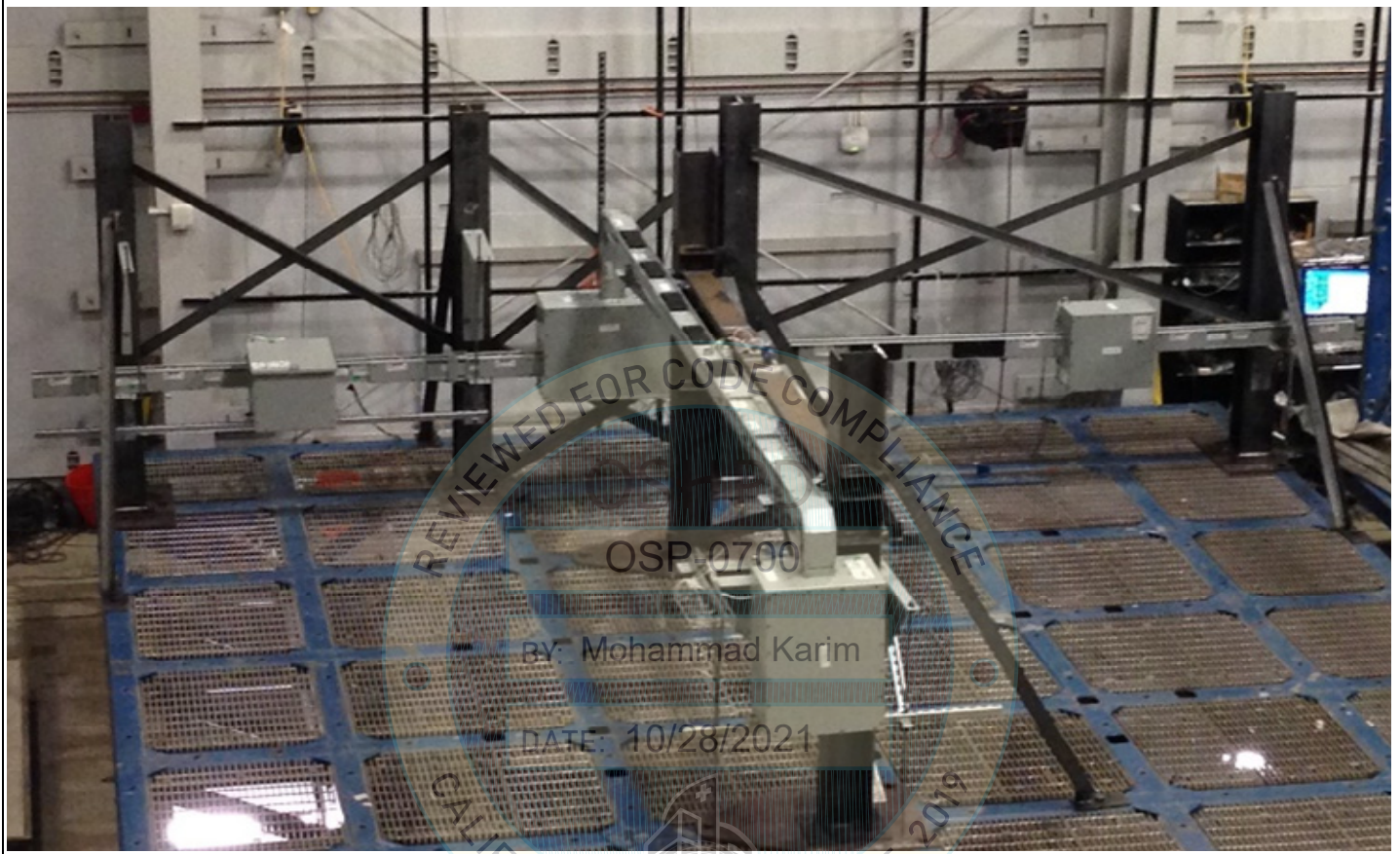
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-29.6

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Busway mounts to wall support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Wall supports are constructed of Siemens wall bracket (SXWH1S) and P1000T unistrut lateral bracing. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 18, 19, 20).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX510X20PL06, SX510C20PL10, SX510C20F048, SX508C20F036

Report Number: SEESL 2020-05 (WEGAI/Siemens Report No. 2)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 1000A copper, 10' horiz. flat, 21.5' horiz. edge, 14' horiz. flat, wall mounted.

UUT Component Description: 1000A copper busway, edge up tee (SX510C20TEEU), flat stack elbow (SX510C20ESFL), flat elbow (SX510C20ELFL), 1000A-800A reducer (SX510C20RFRF), horizontal joint mounted tap box (SX510C20JTHR), and end tap box (SX510C20ETVX).

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Flat Orientation - Max Unbraced Length (ft)	Edge Orientation - Max Unbraced Length (ft)	Natural Frequency (Hz)		
				FB	SS	V
1,189	45	10	12	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-29.7a

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Busway mounts to wall support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Wall supports are constructed of Siemens wall bracket (SXWH1S, edge / SXWH4S, flat) and P1000T unistrut lateral bracing. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 18, 22).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX550C20F048, SX550C20F024, SX550C20PL10, SX550C20PL06

Report Number: SEESL 2021-01 (WEGAI/Siemens Report No. 4)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 5000A copper, 18.5' horiz. edge, 13' horiz. flat, wall mounted.

UUT Component Description: 5000A copper busway, combination offset (SX550C20CORU), phase rotation (SX550C20TRPG), and 600A fusible breaker (SLVBH4660G).

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Flat Orientation - Max Unbraced Length (ft)	Edge Orientation - Max Unbraced Length (ft)	Natural Frequency (Hz)		
				FB	SS	V
3,611	31.5	10	12	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-29.7b

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Busway mounts to wall support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Wall supports are constructed of Siemens wall bracket (SXWH1S, edge / SXWH4S, flat) and P1000T unistrut lateral bracing. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 18, 22).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX550C20F038, SX550C20F024, SX550C20PL10

Report Number: SEESL 2021-01 (WEGAI/Siemens Report No. 4)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 5000A copper, 6.5' horiz. edge, 13' horiz. flat, wall mounted.

UUT Component Description: 5000A copper busway, combination offset (SX550C20CORU) with 33" offset height, and 600A fusible breaker (SLVBH4660G).

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Flat Orientation - Max Unbraced Length (ft)	Edge Orientation - Max Unbraced Length (ft)	Natural Frequency (Hz)		
				FB	SS	V
2,166	19.5	10	1' cantilever	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

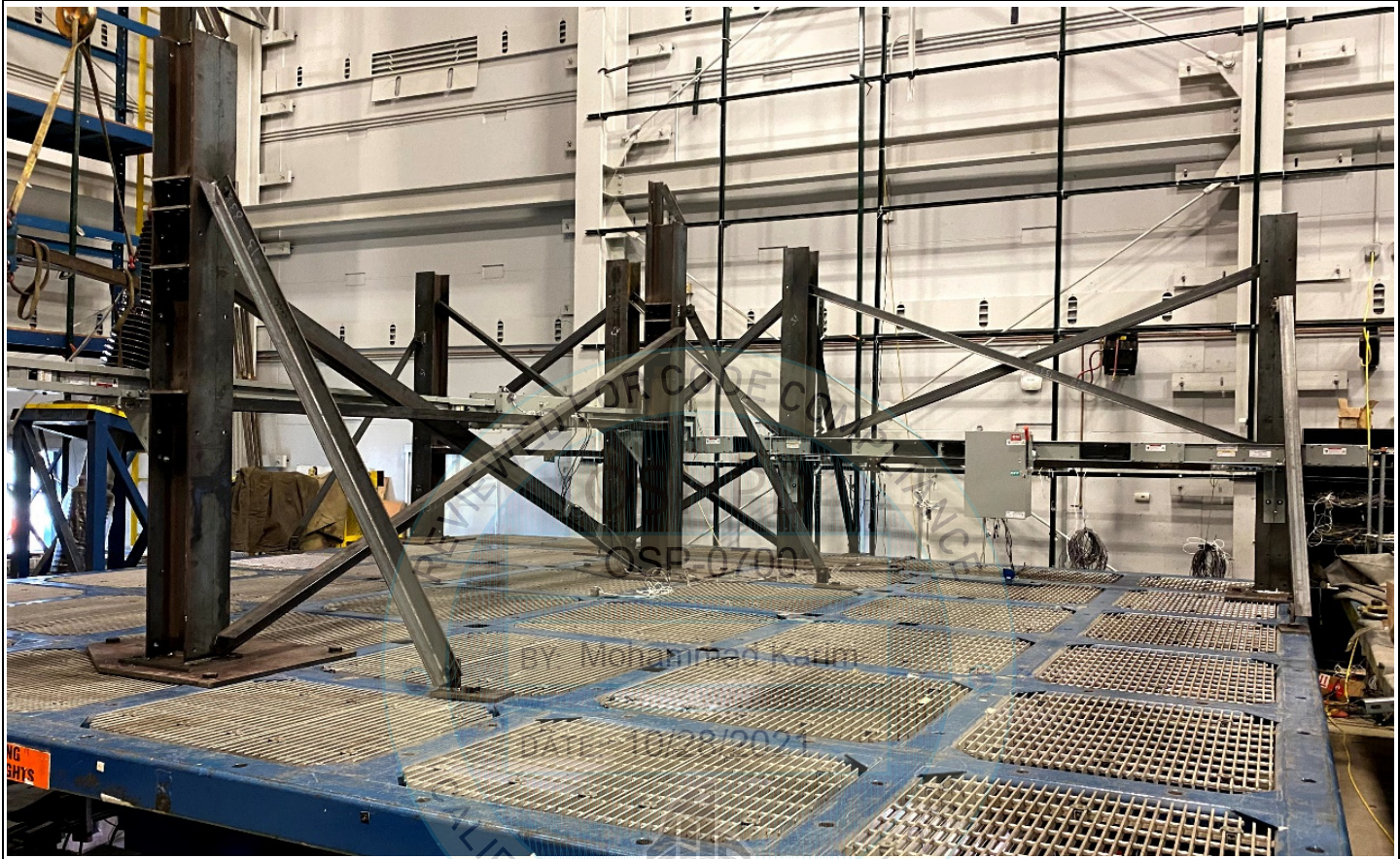
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-29.8

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Busway mounts to wall support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Wall supports are constructed of Siemens wall bracket (SXWH1S) and P1000T unistrut lateral bracing. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 18).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX510C20F038, SX510C20F048, SX510C20PL10

Report Number: SEESL 2021-01 (WEGAI/Siemens Report No. 4)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 1000A copper, 14' horiz. edge, 13' horiz. flat, wall mounted.

UUT Component Description: 1000A copper busway, combination offset (SX510C20CORU) with 5" offset height, phase rotation (SX510C20TRPG), and 200A fusible breaker (SLVBH4640G).

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Flat Orientation - Max Unbraced Length (ft)	Edge Orientation - Max Unbraced Length (ft)	Natural Frequency (Hz)		
				FB	SS	V
597	27	10	12	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-13.1

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Busway mounts to ceiling suspended support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Ceiling suspended seismic supports are constructed of Siemens trapeze members (SXTH4S), P1000T unistrut bracing, and 1/2" grade 5 stiffened threaded rod assembly. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 14, 17).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX540A20F048, SX540A20PL10, SX540A20F024, SX540A20PL06

Report Number: SEESL 2021-04 (WEGAI/Siemens Report No. 7)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 4000A aluminum, 3' horiz. flat, 20.5' vertical, 6.5' horiz. flat, ceiling suspended.

UUT Component Description: 4000A aluminum busway, edge up stack (SX540A20ESEU), edge down elbow (SX540A20ELED), expansion fitting (SX540A20XPFT), 250A circuit breaker (SLFC462500GFD6), joint mounted tap box (SX540A20JTVR), and spring hanger (SXSH10).

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Vertical Restraint Max Unbraced Length (ft)	Horizontal Restraint Max Unbraced Length (ft)	Natural Frequency (Hz)		
				FB	SS	V
1,617	30	16	3	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

Mounting Details: Busway mounts to ceiling suspended support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Ceiling suspended seismic supports are constructed of Siemens trapeze members (SXTH1S), P1000T unistrut bracing, and 1/2" grade 5 stiffened threaded rod assembly. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 14, 17).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX510A20F048, SX510A20PL10, SX510A20F024, SX510A20PL06

Report Number: SEESL 2021-04 (WEGAI/Siemens Report No. 7)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 1000A aluminum, 3' horiz. flat, 20.5' vertical, 6.5' horiz. flat, ceiling suspended.

UUT Component Description: 1000A aluminum busway, edge up stack (SX510A20ESEU), edge down elbow (SX510A20ELED), expansion fitting (SX510A20XPFT), 125A circuit breaker (SLEC461250GED6), joint mounted tap box (SX510A20JTVR), and spring hanger (SXSH6).

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Vertical Restraint Max Unbraced Length (ft)	Horizontal Restraint Max Unbraced Length (ft)	Natural Frequency (Hz)		
				FB	SS	V
494	30	16	3	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

Mounting Details: Busway mounts to ceiling suspended support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Ceiling suspended seismic supports are constructed of Siemens trapeze members (SXTH1S), P1000T unistrut bracing, and 1/2" grade 5 stiffened threaded rod assembly. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 14, 17, 22).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX510A20PL10, SX510A20F024

Report Number: SEESL 2021-04 (WEGAI/Siemens Report No. 7)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 1000A aluminum, 3' horiz. flat, 20' vertical, ceiling suspended.

UUT Component Description: 1000A aluminum busway, edge down elbow (SX510A20ELED), 600A fusible breaker (SLVBR4660G), and spring hanger (SXSH6).

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Vertical Restraint Max Unbraced Length (ft)	Horizontal Restraint Max Unbraced Length (ft)	Natural Frequency (Hz)		
				FB	SS	V
336	23	16	0	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-13.3a

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Busway mounts to ceiling suspended support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Ceiling suspended seismic supports are constructed of Siemens trapeze members (SXT4S), P1000T unistrut bracing, and 1/2" grade 5 stiffened threaded rod assembly. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 14, 17, 19, 20).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX540A20F048, SX540C20PL10, SX540C20F024, SX540C20PL06

Report Number: SEESL 2021-02 (WEGAI/Siemens Report No. 5)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 4000A aluminum, 4' horiz. flat, 14' horiz. flat, 12' horiz. flat, ceiling suspended.

UUT Component Description: 4000A aluminum busway, flat tee (SX540A20TEFL), and center tap box (SX540A20CTBX).

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Horizontal / Vertical Restraint Max Unbraced Length (ft)	Natural Frequency (Hz)		
			FB	SS	V
1,741	30.5	11	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

Mounting Details: Busway mounts to ceiling suspended support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Ceiling suspended seismic supports are constructed of Siemens trapeze members (SXTH4S), P1000T unistrut bracing, and 1/2" grade 5 stiffened threaded rod assembly. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 14, 15, 17, 18, 22).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX540A20F048, SX540A20PL10, SX540A20F024, SX540A20PL06

Report Number: SEESL 2021-02 (WEGAI/Siemens Report No. 5)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 4000A aluminum, 4' horiz. flat, 14' horiz. flat, 12' horiz. flat, ceiling suspended.

UUT Component Description: 4000A aluminum busway, flat tee (SX540A20TEFL), end tap box (SX540A20ETHX), 800A circuit breaker (SLMCS468000GMD6), BPS circuit breaker bus plug (BPSA9G3D1A1JNN) and 3/6 breaker (BPSC0G0A2E9EMX).

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Horizontal / Vertical Restraint Max Unbraced Length (ft)	Natural Frequency (Hz)		
			FB	SS	V
2,041	30.5	11	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

Mounting Details: Busway mounts to ceiling suspended support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Ceiling suspended seismic supports are constructed of Siemens trapeze members (SXTHT1S), P1000T unistrut bracing, and 1/2" grade 5 stiffened threaded rod assembly. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 14, 15, 17, 18).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX510A20F048, SX510A20PL10, SX510A20F024, SX510A20PL06

Report Number: SEESL 2021-02 (WEGAI/Siemens Report No. 5)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 1000A aluminum, 4' horiz. flat, 14' horiz. flat, 12' horiz. flat, ceiling suspended.

UUT Component Description: 1000A aluminum busway, flat tee (SX510A20TEFL), center tap box (SX510A20CTBX), and end tap box (SX510A20ETHX).

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Horizontal / Vertical Restraint Max Unbraced Length (ft)	Natural Frequency (Hz)		
			FB	SS	V
544	30.5	11	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

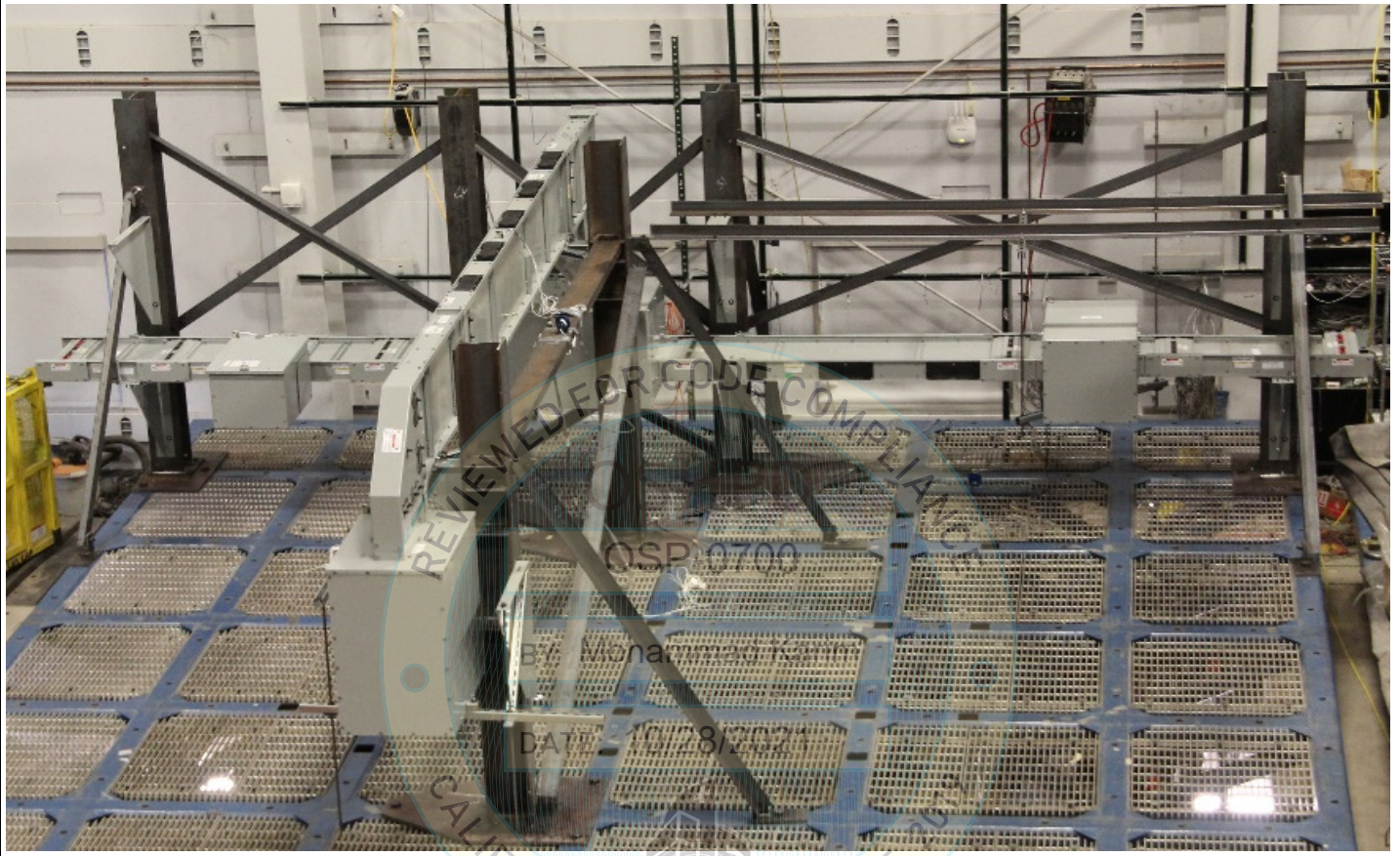
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-13.5a

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Busway mounts to wall support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Wall supports are constructed of Siemens wall bracket (SXWH1S, edge / SXWH4S, flat) and P1000T unistrut lateral bracing. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 18, 19, 20).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX540A20PL06, SX540A20PL10, SX540A20F048, SX530A20F036

Report Number: SEESL 2020-04 (WEGAI/Siemens Report No. 1)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 4000A aluminum, 10' horiz. flat, 21.5' horiz. edge, 14' horiz. flat, wall mounted.

UUT Component Description: 4000A aluminum busway, edge up tee (SX540A20TEEU), flat stack elbow (SX540A20ESFL), flat elbow (SX540A20ELFL), 4000A-3000A reducer (SX540A20RFRF), horizontal joint mounted tap box (SX540A20JTHR), and end tap box (SX540A20ETVX).

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Flat Orientation - Max Unbraced Length (ft)	Edge Orientation - Max Unbraced Length (ft)	Natural Frequency (Hz)		
				FB	SS	V
2,892	45	10	12	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-13.5b

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Busway mounts to wall support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Wall supports are constructed of Siemens wall bracket (SXWH1S, edge / SXWH4S, flat) and P1000T unistrut lateral bracing. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 18, 19).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX540A20PL06, SX540A20PL10, SX540A20F048, SX540A20F024

Report Number: SEESL 2020-04 (WEGAI/Siemens Report No. 1)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 4000A aluminum, 10' horiz. flat, 21.5' horiz. edge, 14' horiz. flat, wall mounted.

UUT Component Description: 4000A aluminum busway, edge up tee (SX540A20TEEU), flat stack elbow (SX540A20ESFL), flat elbow (SX540A20ELFL), horizontal joint mounted tap box (SX540A20JTHR), end tap box (SX540A20ETVX), and 150kA SPD (STPHF44GE1L15X).

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Flat Orientation - Max Unbraced Length (ft)	Edge Orientation - Max Unbraced Length (ft)	Natural Frequency (Hz)		
				FB	SS	V
2,445	39	10	12	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-13.6

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Busway mounts to wall support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Wall supports are constructed of Siemens wall bracket (SXWH1S) and P1000T unistrut lateral bracing. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 18, 19, 20).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX510A20PL06, SX510A20PL10, SX510A20F048, SX508A20F036

Report Number: SEESL 2020-04 (WEGAI/Siemens Report No. 1)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 1000A aluminum, 10' horiz. flat, 21.5' horiz. edge, 14' horiz. flat, wall mounted.

UUT Component Description: 1000A aluminum busway, edge up tee (SX510A20TEEU), flat stack elbow (SX510A20ESFL), flat elbow (SX510A20ELFL), 1000A-800A reducer (SX510A20RFRF), horizontal joint mounted tap box (SX510A20JTHR), and end tap box (SX510A20ETVX).

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Flat Orientation - Max Unbraced Length (ft)	Edge Orientation - Max Unbraced Length (ft)	Natural Frequency (Hz)		
				FB	SS	V
879	45	10	12	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

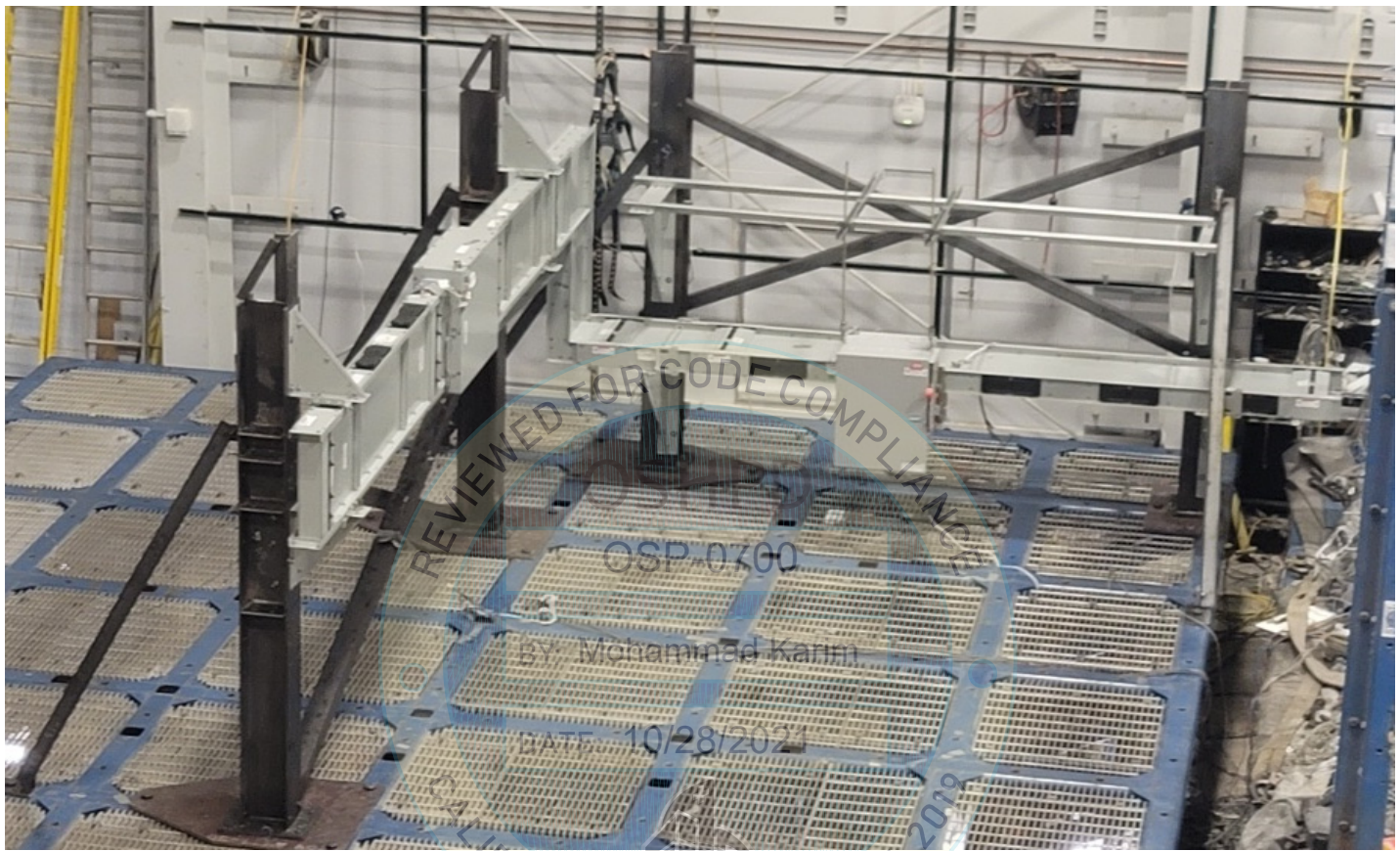
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-13.7

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Busway mounts to wall support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Wall supports are constructed of Siemens wall bracket (SXWH1S, edge / SXWH4S, flat) and P1000T unistrut lateral bracing. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 18, 22).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX540A20F024, SX540A20F048, SX540A20PL10, SX540A20PL06

Report Number: SEESL 2020-09 (WEGAI/Siemens Report No. 3)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 4000A aluminum, 18.5' horiz. edge, 13' horiz. flat, wall mounted.

UUT Component Description: 4000A aluminum busway, combination offset (SX540A20CORU) with 33" offset height, phase rotation (SX540A20TRPG), and 400A fusible breaker (SLVBH4650G).

UUT PROPERTIES

Weight (lb)	Total Bus Length (ft)	Flat Orientation - Max Unbraced Length (ft)	Edge Orientation - Max Unbraced Length (ft)	Natural Frequency (Hz)		
				FB	SS	V
1,403	31.5	10	12	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

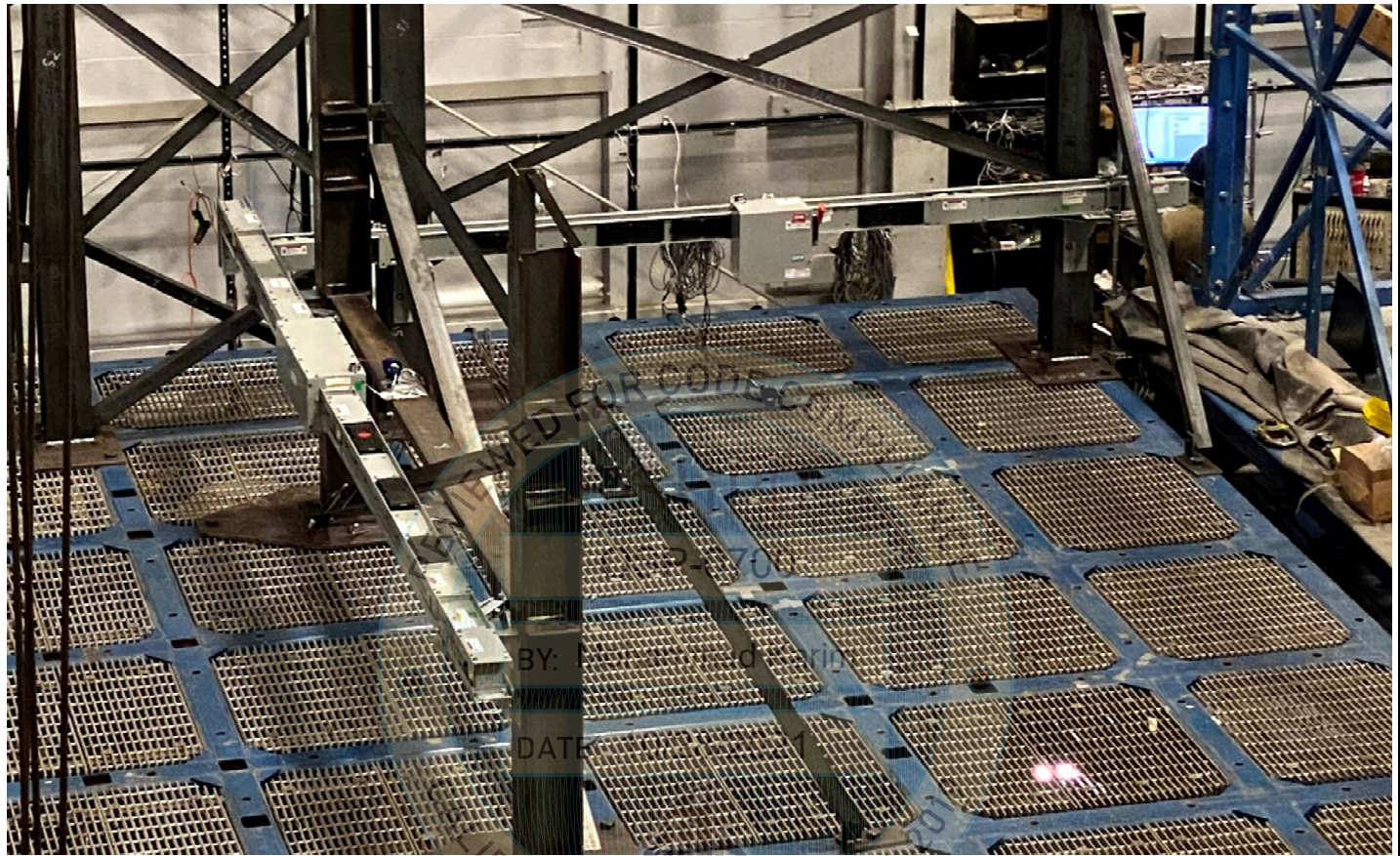
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-13.8

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Busway mounts to wall support with 8 - 3/8" grade 5 bolts using Siemens seismic bracket assembly (33-9048-01). Wall supports are constructed of Siemens wall bracket (SXWH1S) and P1000T unistrut lateral bracing. Bus support bracing details and auxiliary support details are provided in Siemens drawing no. 3S-9304 (sheets 18).



Manufacturer: Siemens Industry, Inc.

Product Line: Sentron Busway

Identification Number: SX510A20F024, SX510A20F048, SX510A20PL10, SX510A20PL06

Report Number: SEESL 2020-09 (WEGAI/Siemens Report No. 3)

UUT Function: A prefabricated electrical distribution system.

UUT Description: 1000A aluminum, 14' horiz. edge, 13' horiz. flat, wall mounted.

UUT Component Description: 1000A aluminum busway, combination offset (SX510A20CORU) with 5" offset height, phase rotation (SX510A20TRPG), and 30A fusible breaker (SLVBH4610G).

UUT PROPERTIES

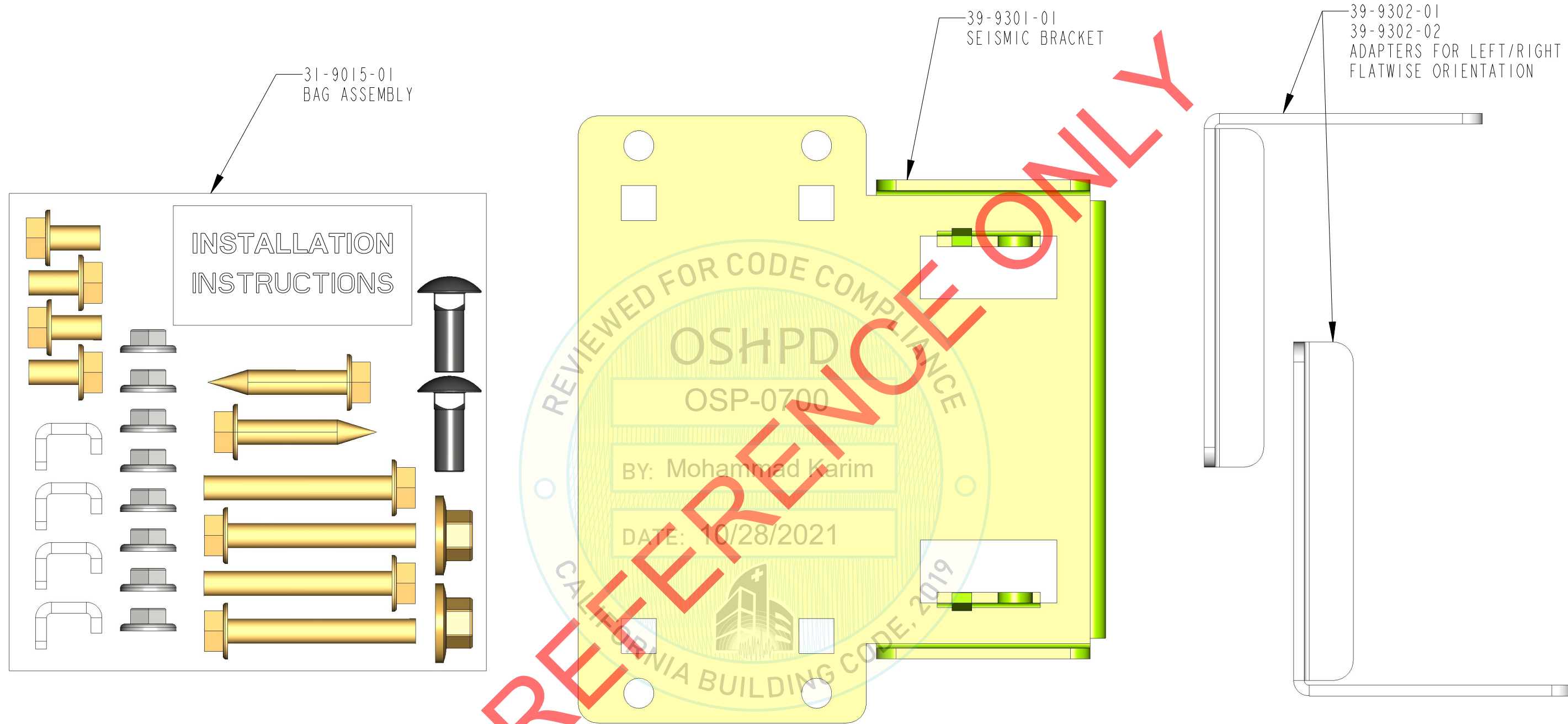
Weight (lb)	Total Bus Length (ft)	Flat Orientation - Max Unbraced Length (ft)	Edge Orientation - Max Unbraced Length (ft)	Natural Frequency (Hz)		
				FB	SS	V
353	27	10	12	NA	NA	NA

SEISMIC TEST PARAMETERS

Test Criteria	S _{DS} (g)	z / h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2019 / ICC-ES-AC156	2.00	1.0	1.5	3.2g	2.4g	1.34g	0.54g

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

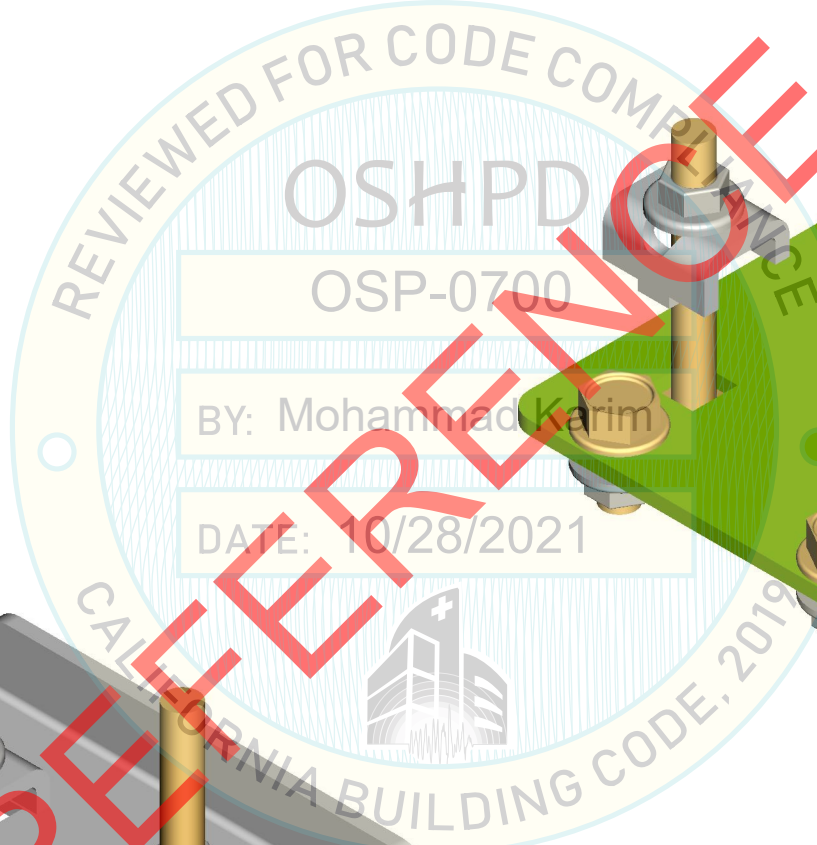
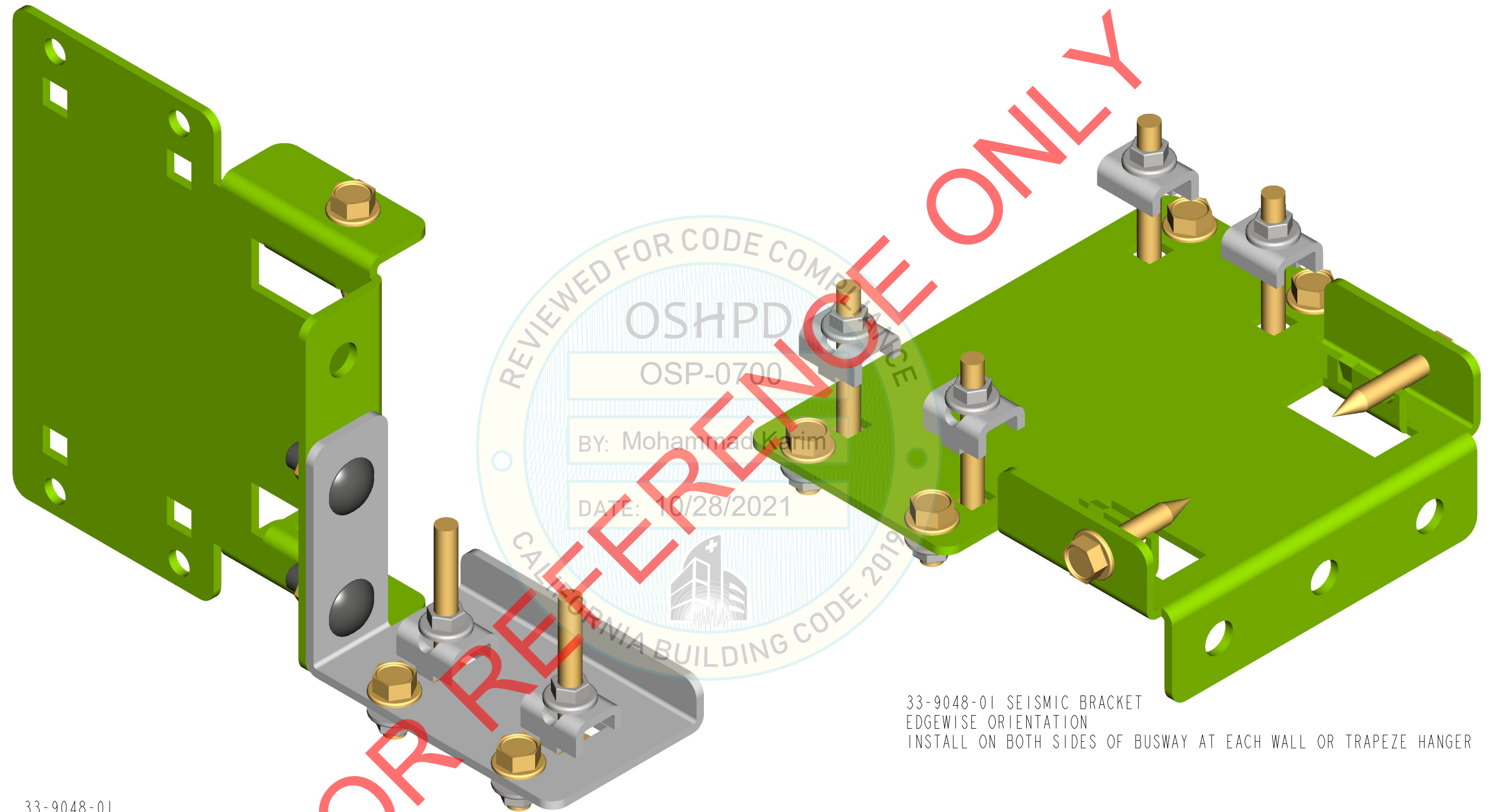
Third Angle Proj
 Rev 00
 Sht 1
 3S-9304
 Dwg. No. 3S-9304
 File name: 33-9048-01F
 Model Name: 33-9048-01F



33-9048-01 SEISMIC BRACKET ASSEMBLY

REVIEWED FOR CODE COMPLIANCE
 OSHPD
 OSP-0700
 BY: Mohammad Karim
 DATE: 10/28/2021
 CALIFORNIA BUILDING CODE, 2019

00	3B-5430	03/15/21	Rev	ECN	Date	Unless otherwise specified dimensions are in inches Tolerances are non-cumulative and are as follows unless specified otherwise: .XX ± .02 .XXX ± .005 Angular ± 2° Do not scale drawing	Confidential Property of Siemens Industry, Inc.		
							SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY		
							Dwg No	3S-9304	Rev 00
							Scale	1.000	Sheet 1 of 22



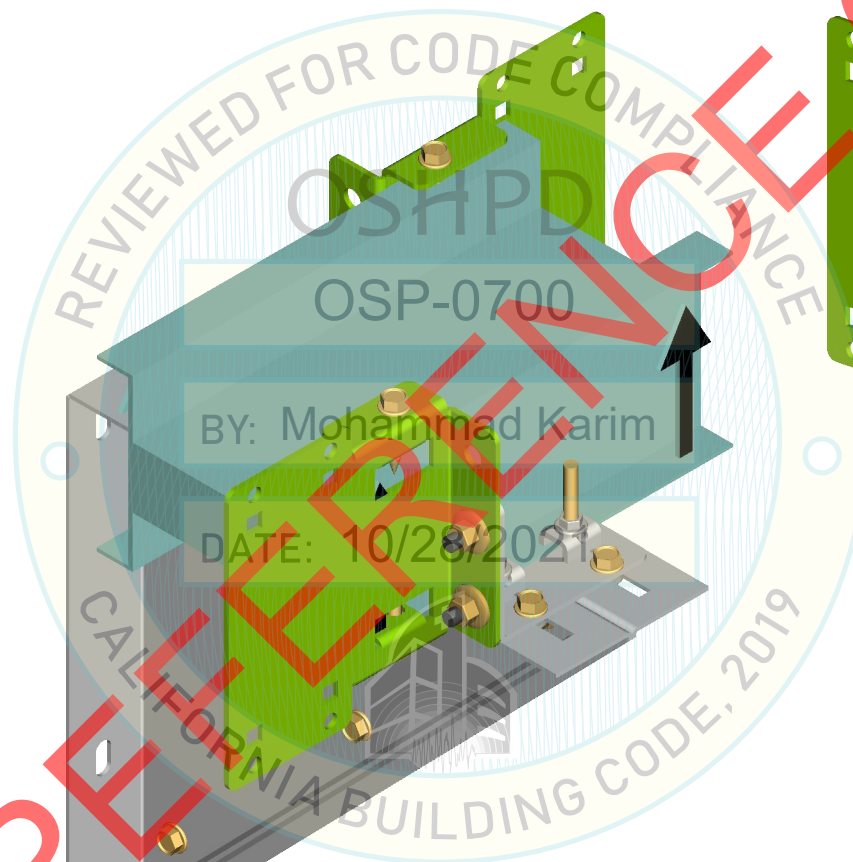
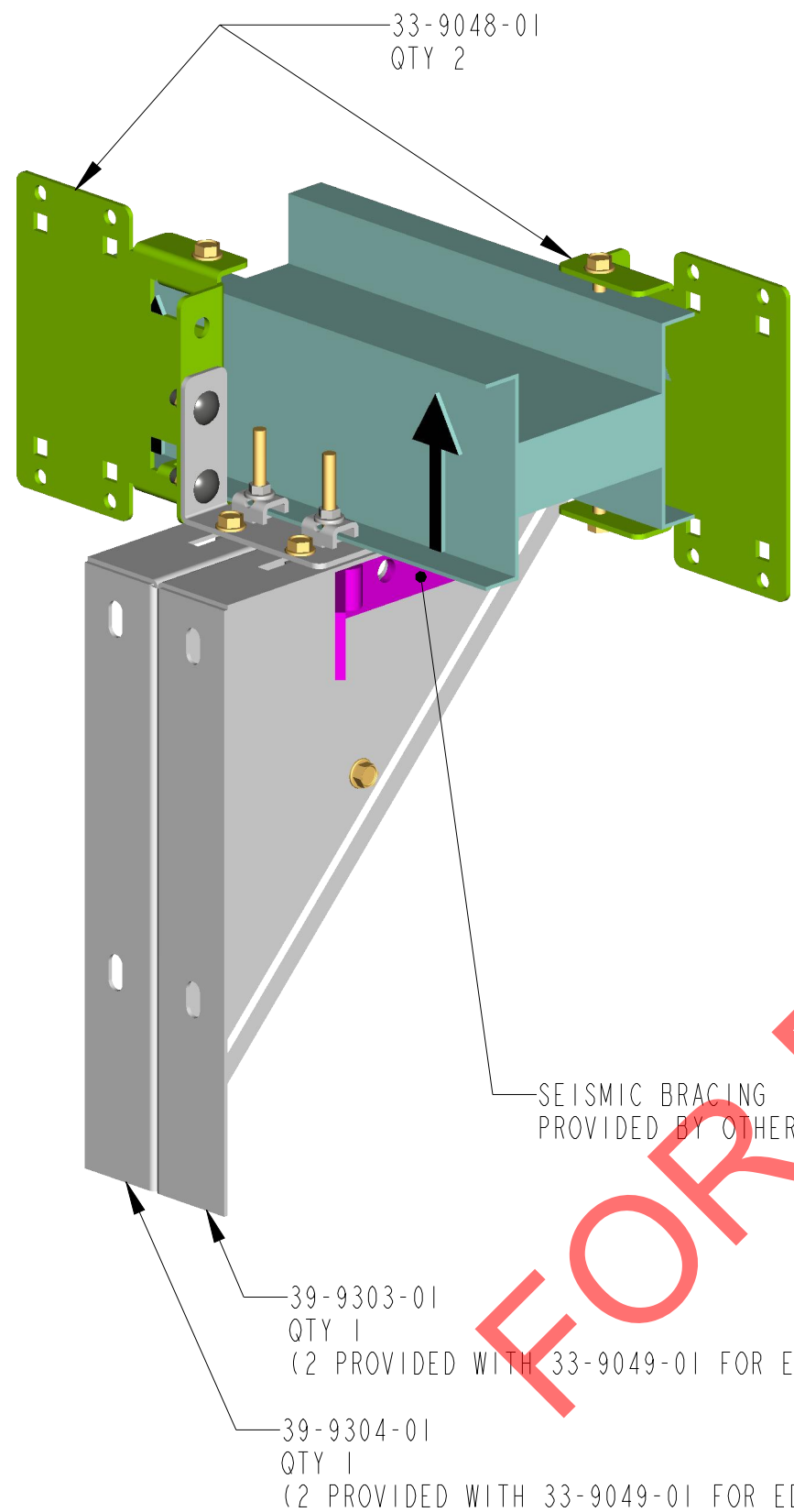
33-9048-01
SEISMIC BRACKET
FLATWISE ORIENTATION
INSTALL ON BOTH SIDES OF BUSWAY AT EACH WALL OR TRAPEZE HANGER

33-9048-01 SEISMIC BRACKET
EDGEWISE ORIENTATION
INSTALL ON BOTH SIDES OF BUSWAY AT EACH WALL OR TRAPEZE HANGER

00	Rev	3B-5430	03/15/21	Date	Unless otherwise specified dimensions are in inches Tolerances are non-cumulative and are as follows unless specified otherwise: .XX ± .02 .XXX ± .005 Angular ± 2° Do not scale drawing	Confidential Property of Siemens Industry, Inc.		
△ - Denotes latest changes □ - Critical Dimension						SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY		
Dwn	TJF	Date	01/18/21	Dwg No		3S-9304		Rev 00
Chk	TJF	Date	01/18/21	Scale		0.375	Sheet 2 of 22	
Apvd	TJF	Date	01/18/21					

CATALOG - SXWH1S ASSEMBLY - 33-9049-01 SHOWN WITH 1600A CU

SXWHIS	
Aluminum	L-Rated
225	-
400	-
600	-
800	400
1000	600
1200	800
Copper	M-Rated
225	-
400	-
600	-
800	400
1000	-
1200	600
1350	800
1600	1000



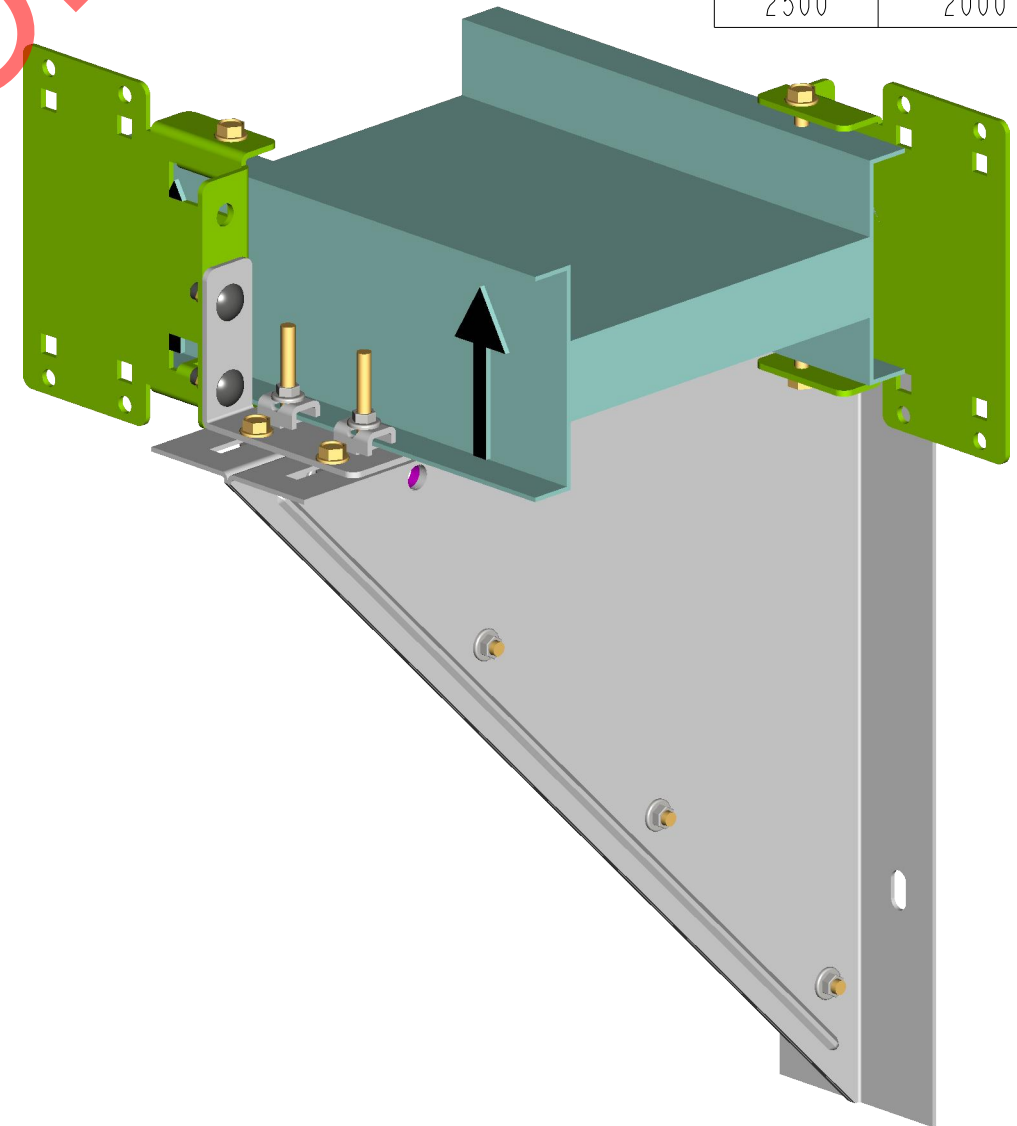
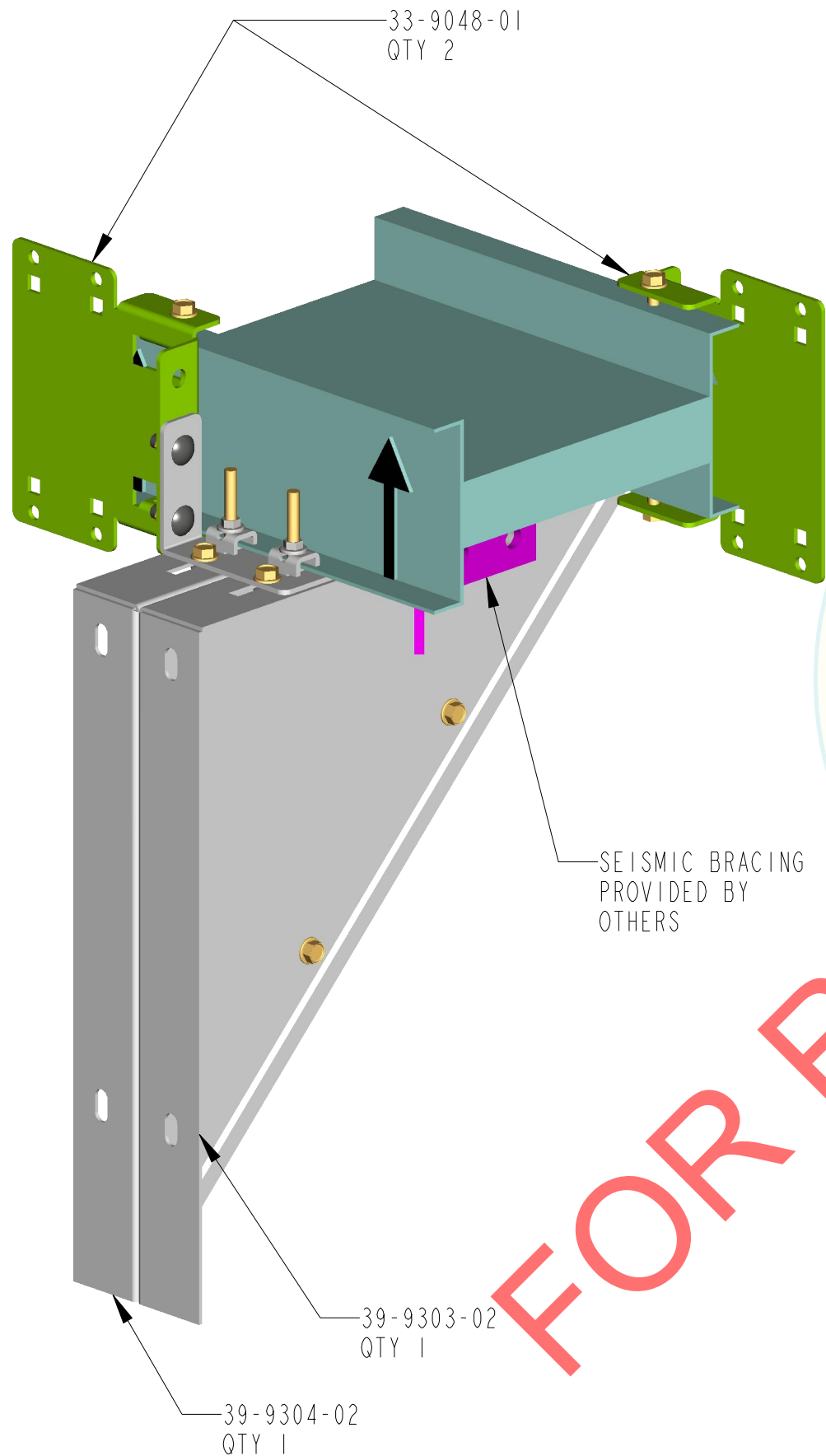
FOR REVIEW ONLY

00	Rev	3B-5430	03/15/21	Date	Unless otherwise specified dimensions are in inches Tolerances are non-cumulative and are as follows unless specified otherwise: .XX ± .02 .XXX ± .005 Angular ± 2° Do not scale drawing	Confidential Property of Siemens Industry, Inc.		
00	ECN					SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY		
00	Rev					Dwg No	3S-9304	Rev 00
00	Rev					Scale	0.250	Sheet 3 of 22

Third Angle Projection
 Rev 00
 Sht 4
 Dwg. No. 3S-9304
 File name: 3S-9304
 Model Name: SXWHIS_1600CU

CATALOG - SXWH2S ASSEMBLY - 33-9048-02 SHOWN WITH 2000A AL

SXWH2S	
Aluminum	L-Rated
1350	1000
1600	1200
2000	1250, 1600
Copper	M-Rated
2000	1200, 1350
-	1600
2500	2000

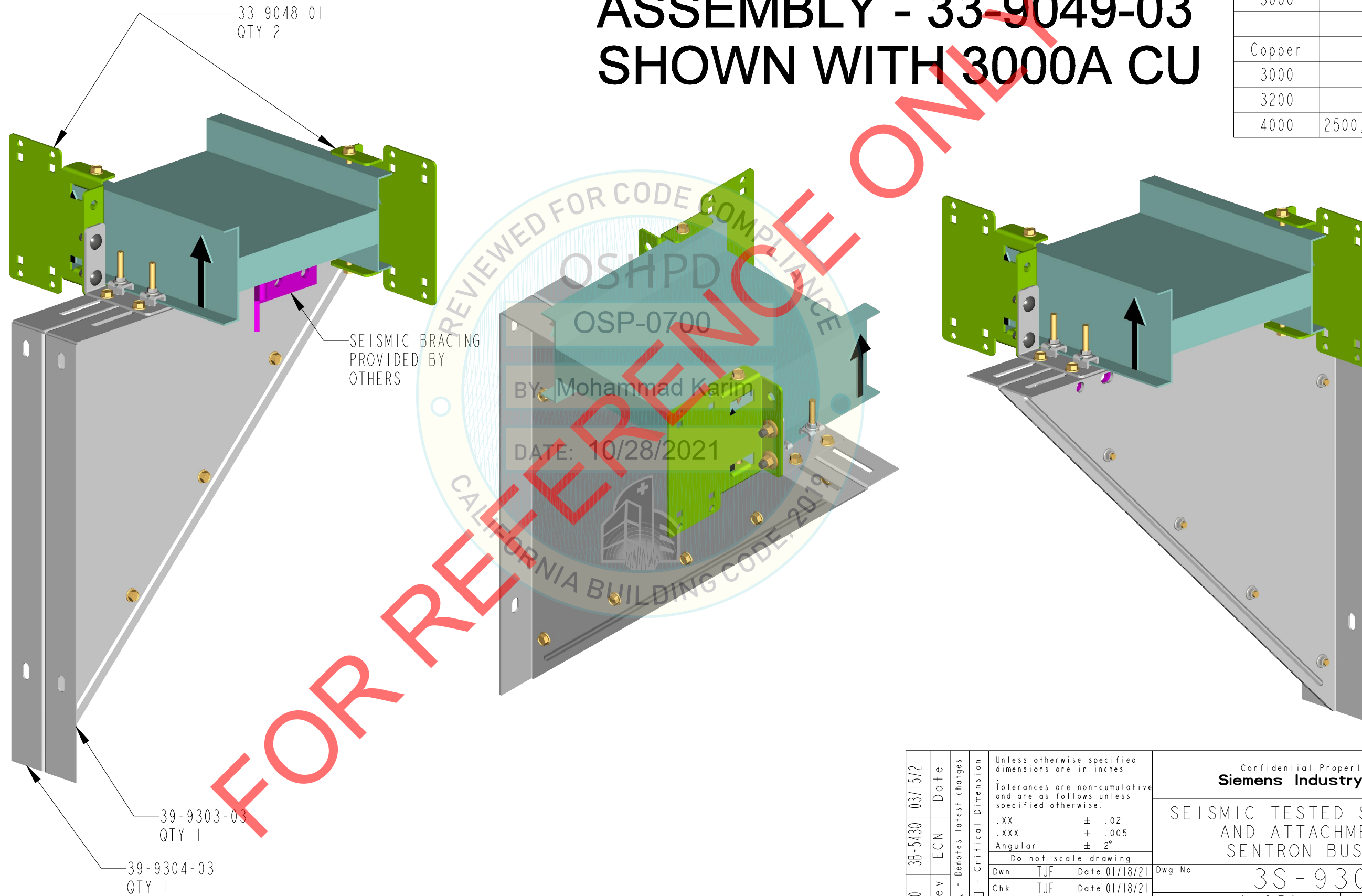


FOR REVIEW ONLY

00	Rev	3B-5430	03/15/21	Date	Unless otherwise specified dimensions are in inches Tolerances are non-cumulative and are as follows unless specified otherwise: .XX ± .02 .XXX ± .005 Angular ± 2° Do not scale drawing	Confidential Property of Siemens Industry, Inc.		
00	ECN					SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY		
00	Rev					Dwg No	3S-9304	Rev 00
00	Rev					Scale	0.250	Sheet 4 of 22
00	Rev							

CATALOG - SXWH3S ASSEMBLY - 33-9049-03 SHOWN WITH 3000A CU

SXWH3S	
Aluminum	L-Rated
2500	2000
3000	2500
Copper	M-Rated
3000	-
3200	-
4000	2500, 3000, 3200

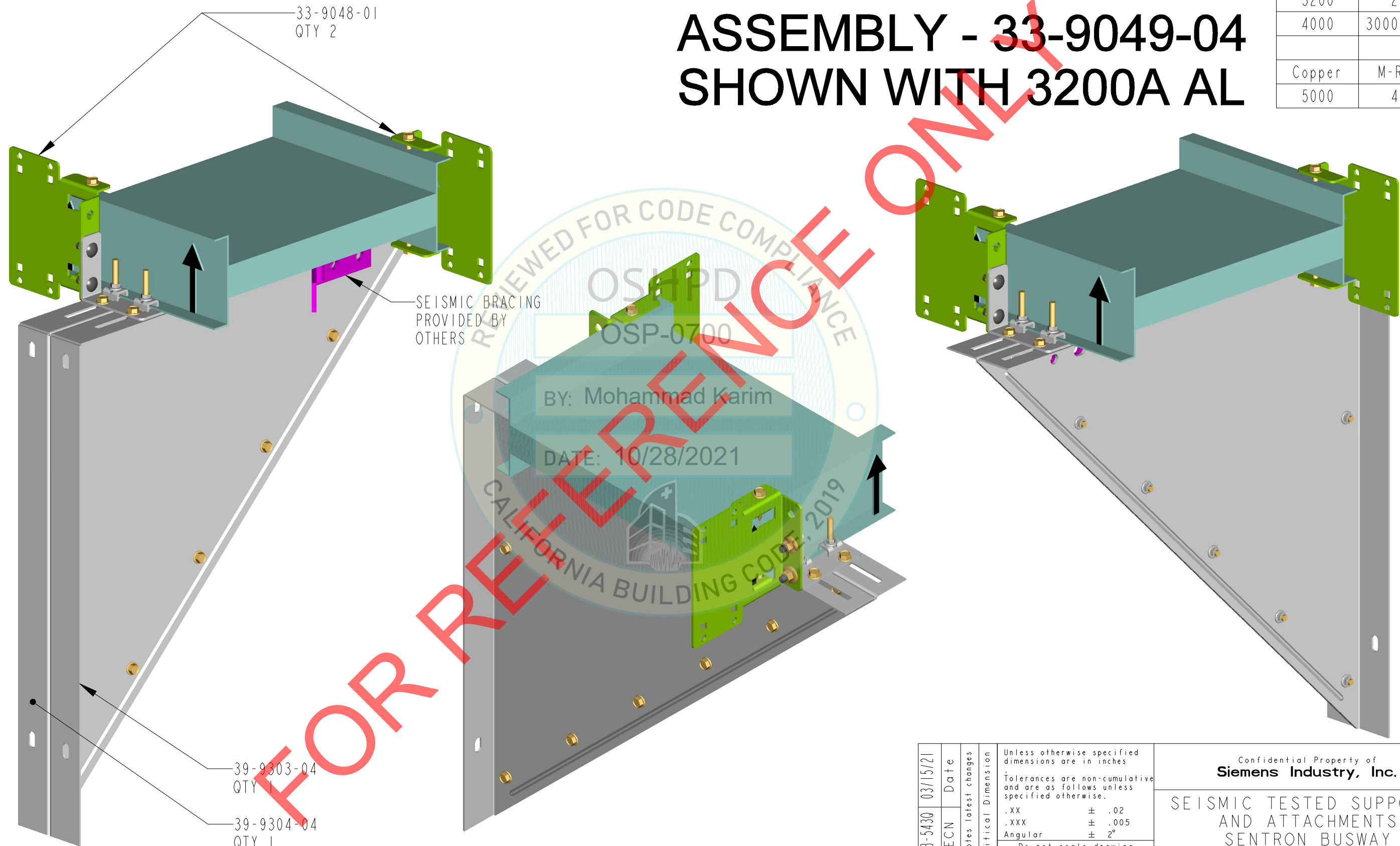


00	Rev	3B-5430	ECN	03/15/21	Date																					
<p>Unless otherwise specified dimensions are in inches</p> <p>Tolerances are non-cumulative and are as follows unless specified otherwise:</p> <table border="0"> <tr> <td>.XX</td> <td>±</td> <td>.02</td> </tr> <tr> <td>.XXX</td> <td>±</td> <td>.005</td> </tr> <tr> <td>Angular</td> <td>±</td> <td>2°</td> </tr> </table> <p>Do not scale drawing</p> <table border="0"> <tr> <td>Dwn</td> <td>TJF</td> <td>Date</td> <td>01/18/21</td> </tr> <tr> <td>Chk</td> <td>TJF</td> <td>Date</td> <td>01/18/21</td> </tr> <tr> <td>Apvd</td> <td>TJF</td> <td>Date</td> <td>01/18/21</td> </tr> </table>						.XX	±	.02	.XXX	±	.005	Angular	±	2°	Dwn	TJF	Date	01/18/21	Chk	TJF	Date	01/18/21	Apvd	TJF	Date	01/18/21
.XX	±	.02																								
.XXX	±	.005																								
Angular	±	2°																								
Dwn	TJF	Date	01/18/21																							
Chk	TJF	Date	01/18/21																							
Apvd	TJF	Date	01/18/21																							
<p>Confidential Property of Siemens Industry, Inc.</p> <p>SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY</p>																										
Dwg No				3S-9304																						
Scale				0.250																						
				Sheet 5 of 22																						
				Rev 00																						

Third Angle Proj
 Rev 00
 Sht 6
 Dwg. No. 3S-9304
 File name: 3S-9304
 Model Name: SXWHIS_1600CU

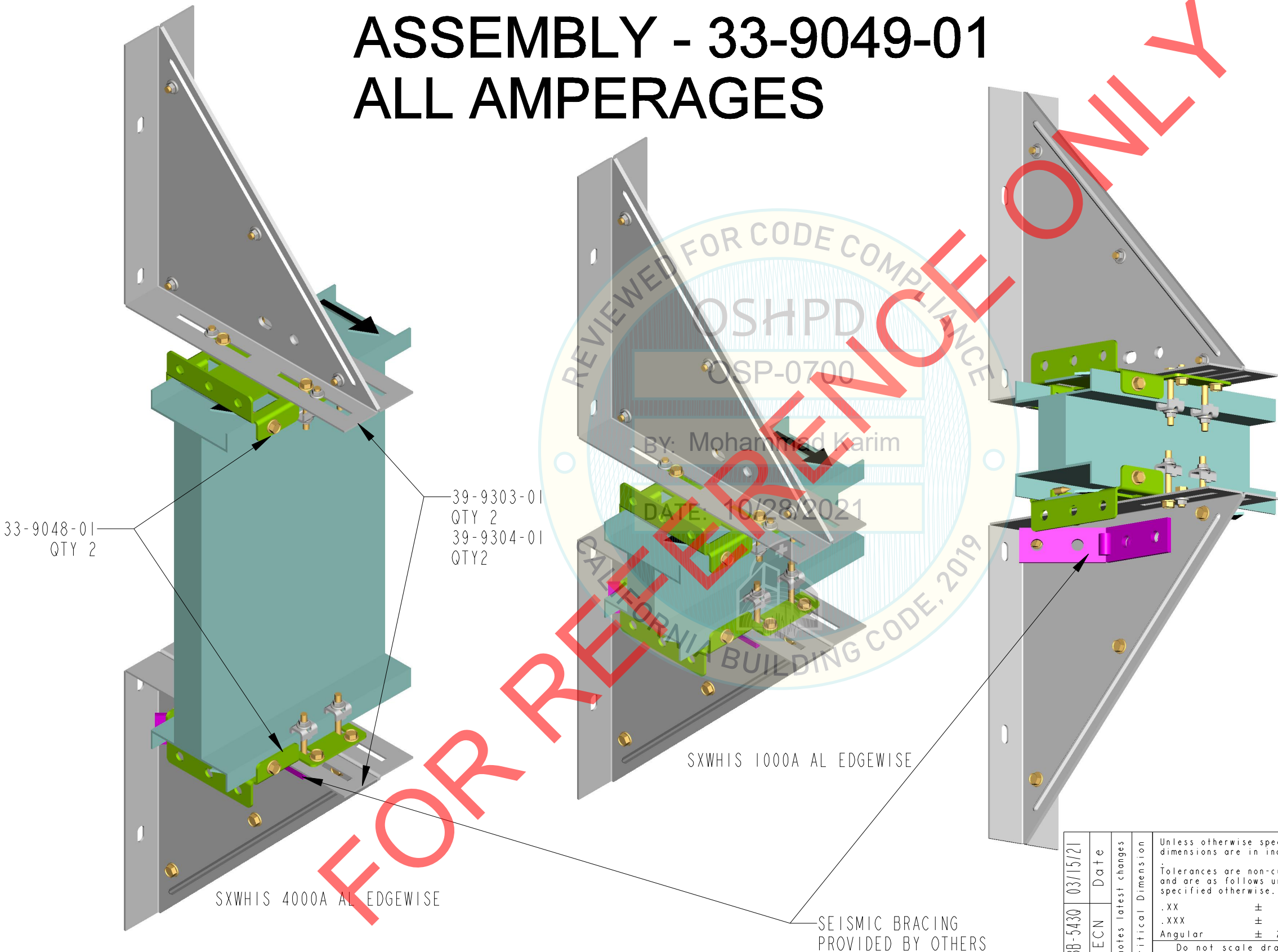
CATALOG - SXWH4S ASSEMBLY - 33-9049-04 SHOWN WITH 3200A AL

SXWH4S	
Aluminum	L-Rated
3200	2000
4000	3000, 3200
Copper	M-Rated
5000	4000



00	3B-5430	03/15/21	Date	Unless otherwise specified dimensions are in inches		Confidential Property of Siemens Industry, Inc.	
Rev	ECN	Date		Tolerances are non-cumulative and are as follows unless specified otherwise.		SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY	
Δ	Denotes latest changes			.XX	± .02	Dwg No	3S-9304
□	Critical Dimension			.XXX	± .005	Rev	00
				Angular	± 2°	Scale	0.250
				Do not scale drawing		Sheet 6 of 22	
				Dwn	TJF	Date	01/18/21
				Chk	TJF	Date	01/18/21
				Apvd	TJF	Date	01/18/21

SXWH1S EDGEWISE ORIENTATION ASSEMBLY - 33-9049-01 ALL AMPERAGES

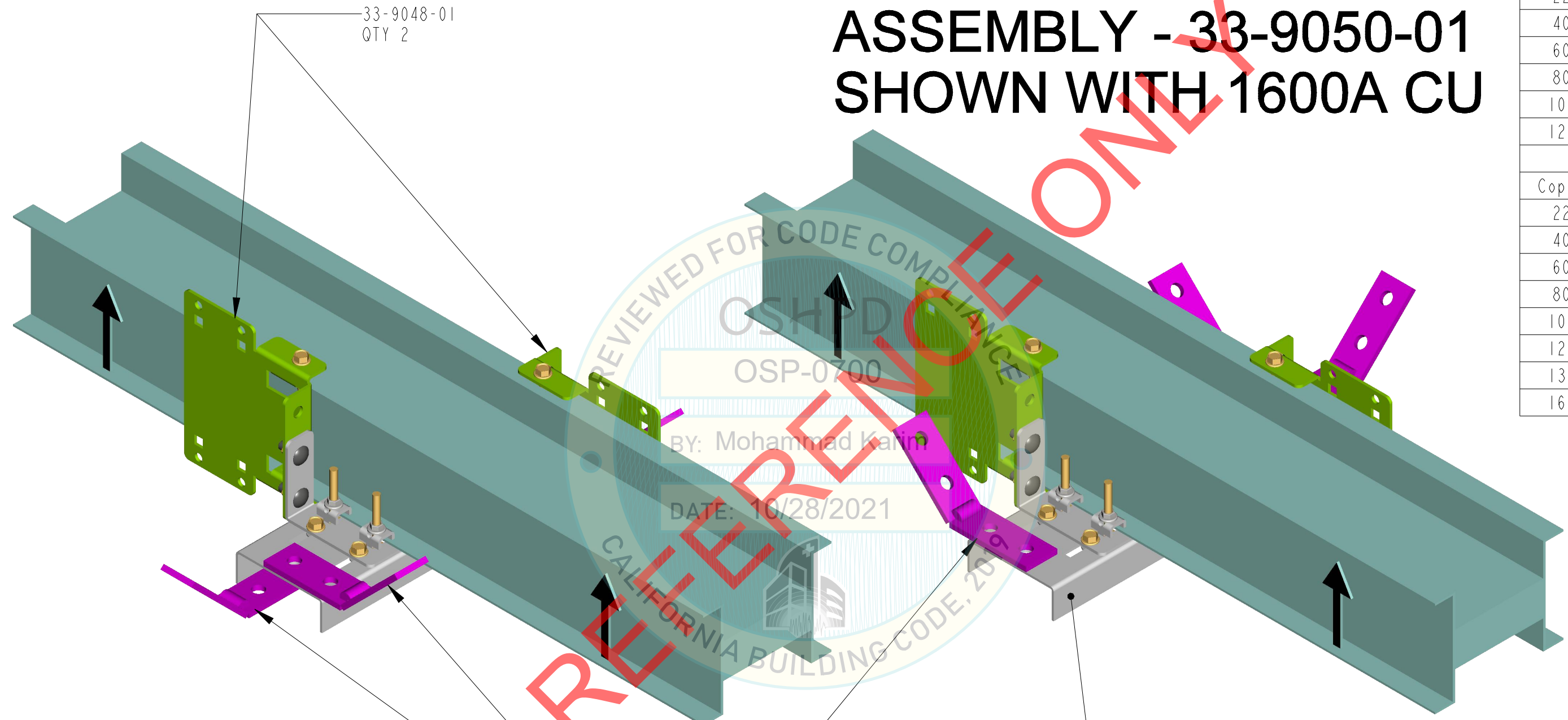


SXWHIS - EDGEWISE	
Aluminum	L-Rated
225	-
400	-
600	-
800	400
1000	600
1200	800
1350	1000
1600	1200
2000	1250, 1600
2500	2000
3000	2500
3200	2000
4000	3000, 3200
Copper	M-Rated
225	-
400	-
600	-
800	400
1000	-
1200	600
1350	800
1600	1000
2000	1200, 1350
-	1600
2500	2000
3000	-
3200	-
4000	2500, 3000, 3200
5000	4000

00	Rev	3B-5430	03/15/21	Date	Unless otherwise specified dimensions are in inches	Confidential Property of Siemens Industry, Inc.
00	ECN				Tolerances are non-cumulative and are as follows unless specified otherwise.	
	Rev				.XX ± .02	SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY
	ECN				.XXX ± .005	
	Rev				Angular ± 2°	Dwg No 3S-9304
	ECN				Do not scale drawing	
	Rev				Dwn TJF Date 01/18/21	Rev 00
	ECN				Chk TJF Date 01/18/21	Scale 0.200
	Rev				Apvd TJF Date 01/18/21	
					Sheet 7 of 22	

CATALOG - SXTHIS ASSEMBLY - 33-9050-01 SHOWN WITH 1600A CU

SXTHIS	
Aluminum	L-Rated
225	-
400	-
600	-
800	400
1000	600
1200	800
Copper	M-Rated
225	-
400	-
600	-
800	400
1000	-
1200	600
1350	800
1600	1000

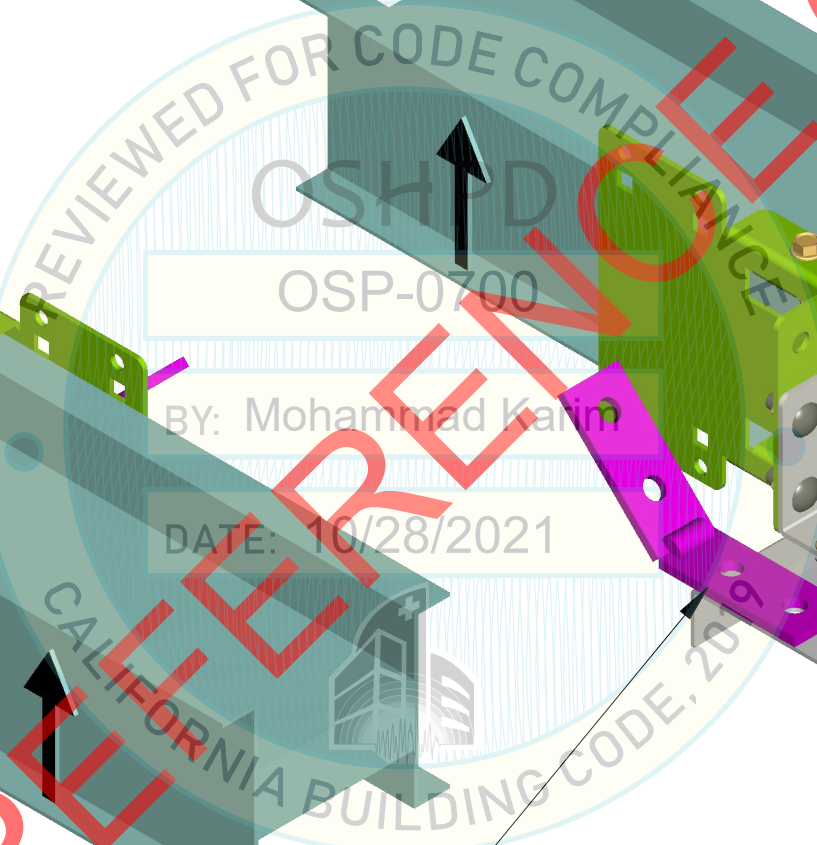


FOR REVIEW ONLY

33-9048-01
QTY 2

33-9277-01
QTY 1
(2 PROVIDED WITH 33-9050-01 FOR EDGEWISE ORIENTATION)

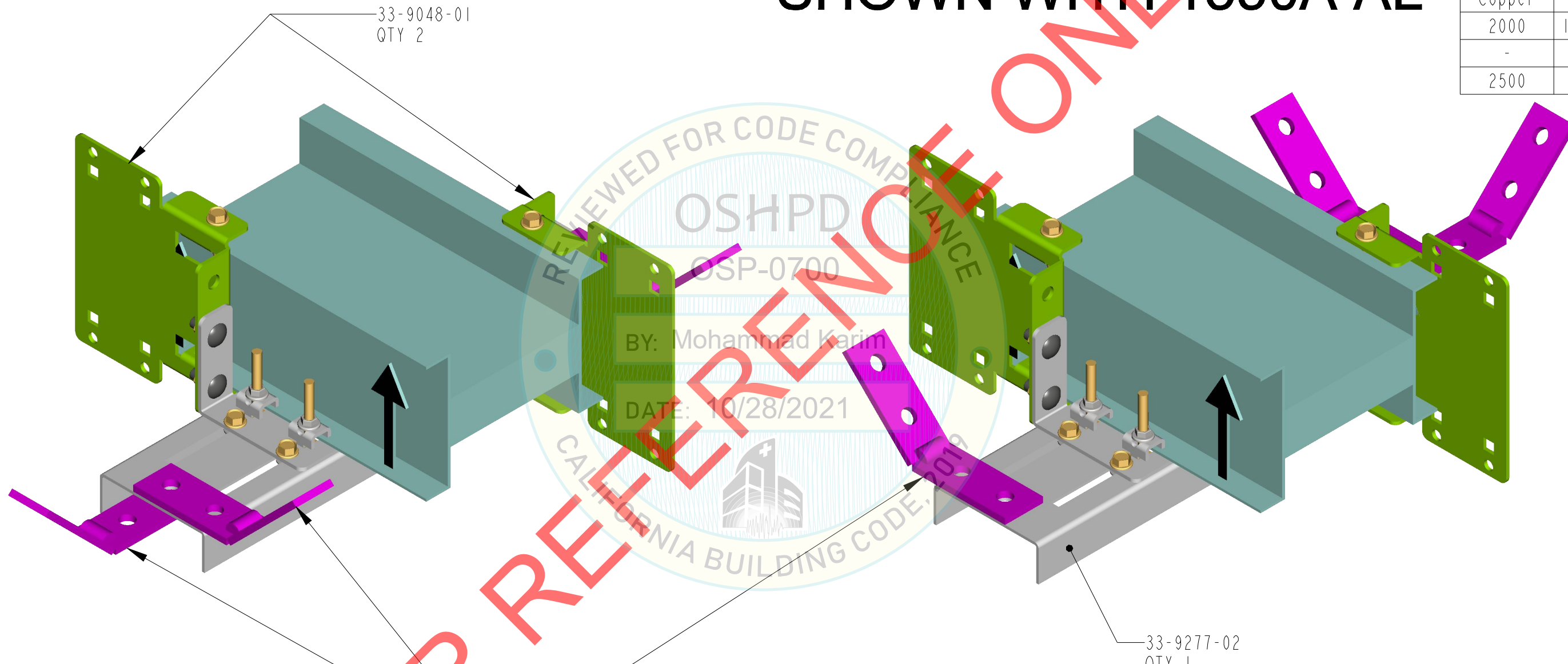
SEISMIC BRACING
SUPPLIED BY OTHERS



00	Rev	3B-5430	03/15/21	Date	Unless otherwise specified dimensions are in inches Tolerances are non-cumulative and are as follows unless specified otherwise: .XX ± .02 .XXX ± .005 Angular ± 2° Do not scale drawing	Confidential Property of Siemens Industry, Inc.	
00	Rev					SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY	
	Dwn	TJF	01/18/21	Date		Dwg No	3S-9304
	Chk	TJF	01/18/21	Date		Rev	00
	Apvd	TJF	01/18/21	Date		Scale	0.375 Sheet 8 of 22

CATALOG - SXTH2S ASSEMBLY - 33-9050-02 SHOWN WITH 1350A AL

SXTH2S	
Aluminum	L-Rated
1350	1000
1600	1200
2000	1250, 1600
Copper	M-Rated
2000	1200, 1350
-	1600
2500	2000



FOR REVIEW ONLY

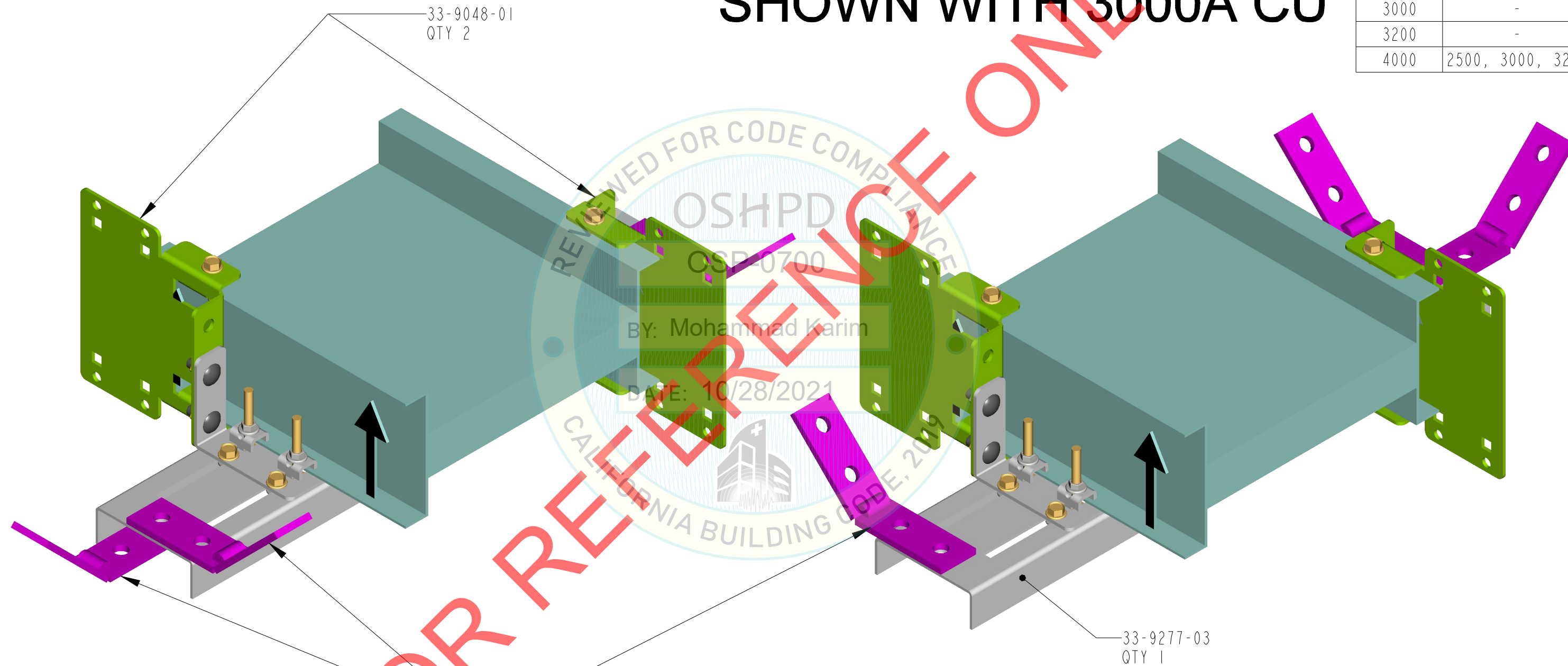
REVIEWED FOR CODE COMPLIANCE
OSHDPD
OSP-0700
BY: Mohammad Karim
DATE: 10/28/2021
CALIFORNIA BUILDING CODE, 2019

SEISMIC BRACING
SUPPLIED BY OTHERS

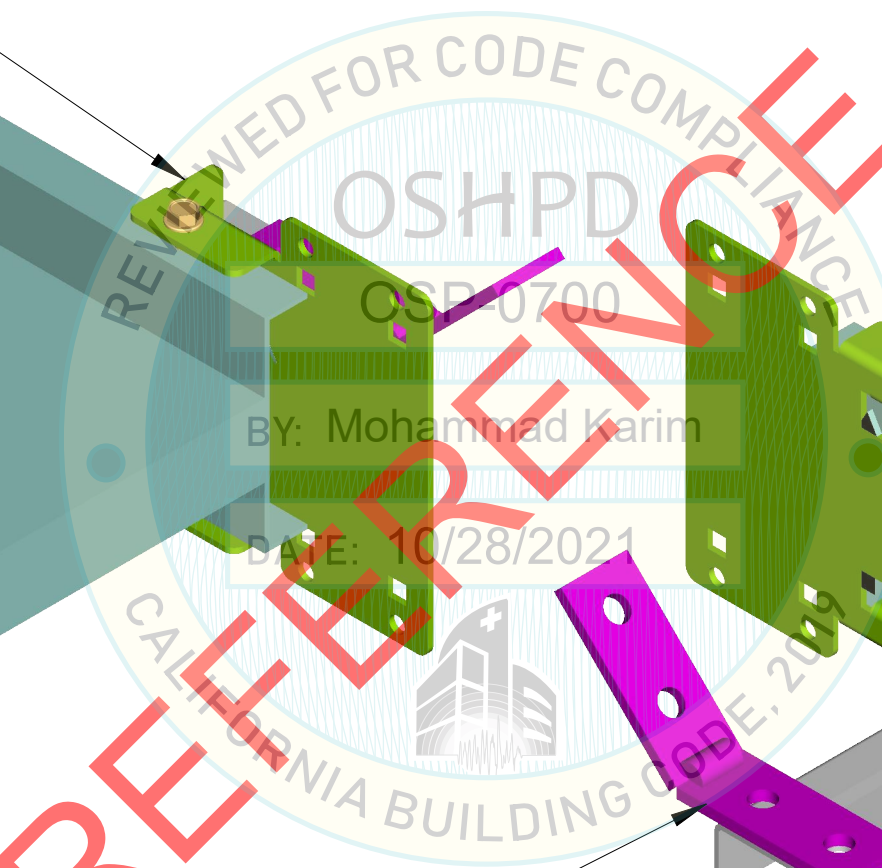
00	3B-5430	03/15/21	Date	Unless otherwise specified dimensions are in inches	Confidential Property of Siemens Industry, Inc.	
Rev	ECN	Date	△ - Denotes latest changes □ - Critical Dimension	Tolerances are non-cumulative and are as follows unless specified otherwise: .XX ± .02 .XXX ± .005 Angular ± 2°		
Do not scale drawing				SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY		
Dwn	TJF	Date	01/18/21			Dwg No
Chk	TJF	Date	01/18/21			3S-9304
Apvd	TJF	Date	01/18/21	Scale	0.375	
				Sheet	9 of 22	

CATALOG - SXTH3S ASSEMBLY - 33-9050-03 SHOWN WITH 3000A CU

SXTH3S	
Aluminum	L-Rated
2500	2000
3000	2500
Copper	M-Rated
3000	-
3200	-
4000	2500, 3000, 3200



FOR REVIEW ONLY

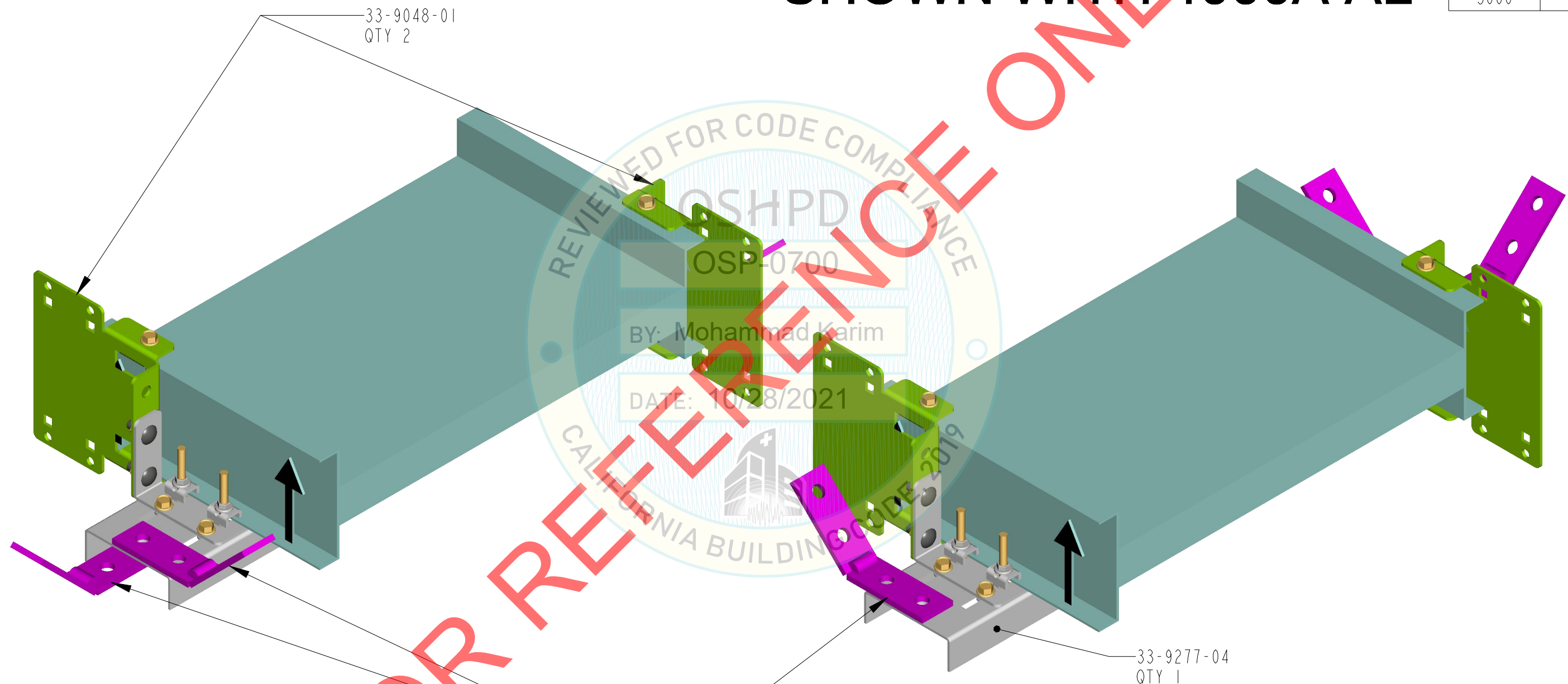


SEISMIC BRACING
SUPPLIED BY OTHERS

00	Rev	3B-5430	03/15/21	Date	Unless otherwise specified dimensions are in inches Tolerances are non-cumulative and are as follows unless specified otherwise: .XX ± .02 .XXX ± .005 Angular ± 2° Do not scale drawing	Confidential Property of Siemens Industry, Inc.	
00	ECN					SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY	
00	Rev	TJF	01/18/21	Date		Dwg No	3S-9304
00	Rev	TJF	01/18/21	Date		Scale	0.375
00	Rev	TJF	01/18/21	Date		Sheet 10 of 22	

CATALOG - SXTH4S ASSEMBLY - 33-9050-04 SHOWN WITH 4000A AL

SXTH4S	
Aluminum	L-Rated
3200	2000
4000	3000, 3200
Copper	M-Rated
5000	4000

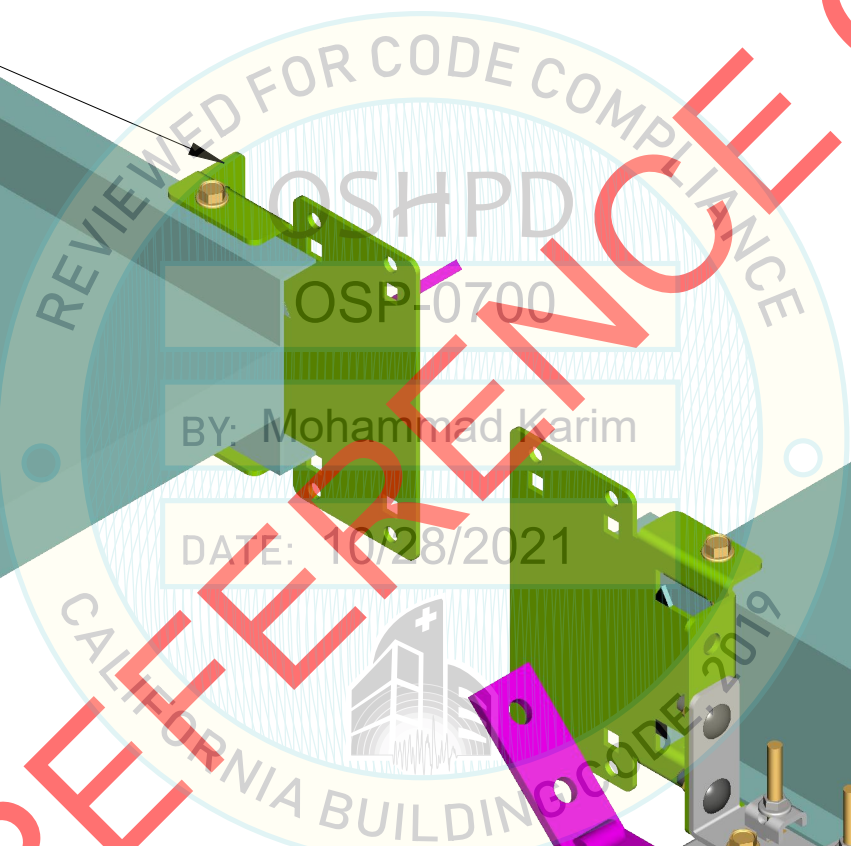


33-9048-01
QTY 2

33-9277-04
QTY 1

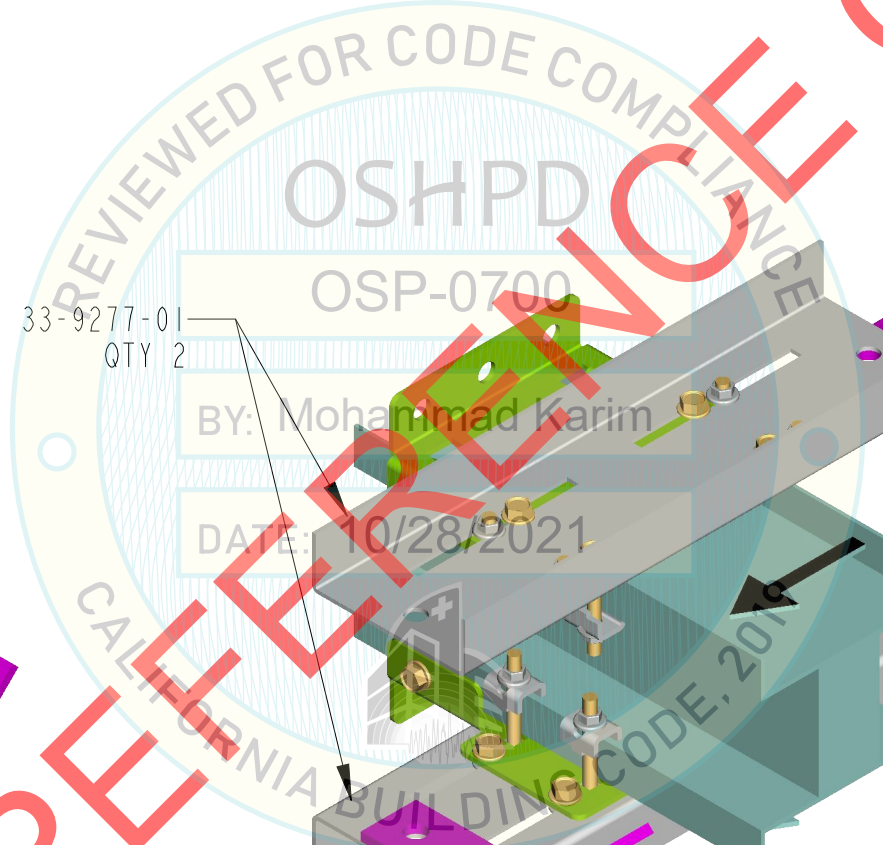
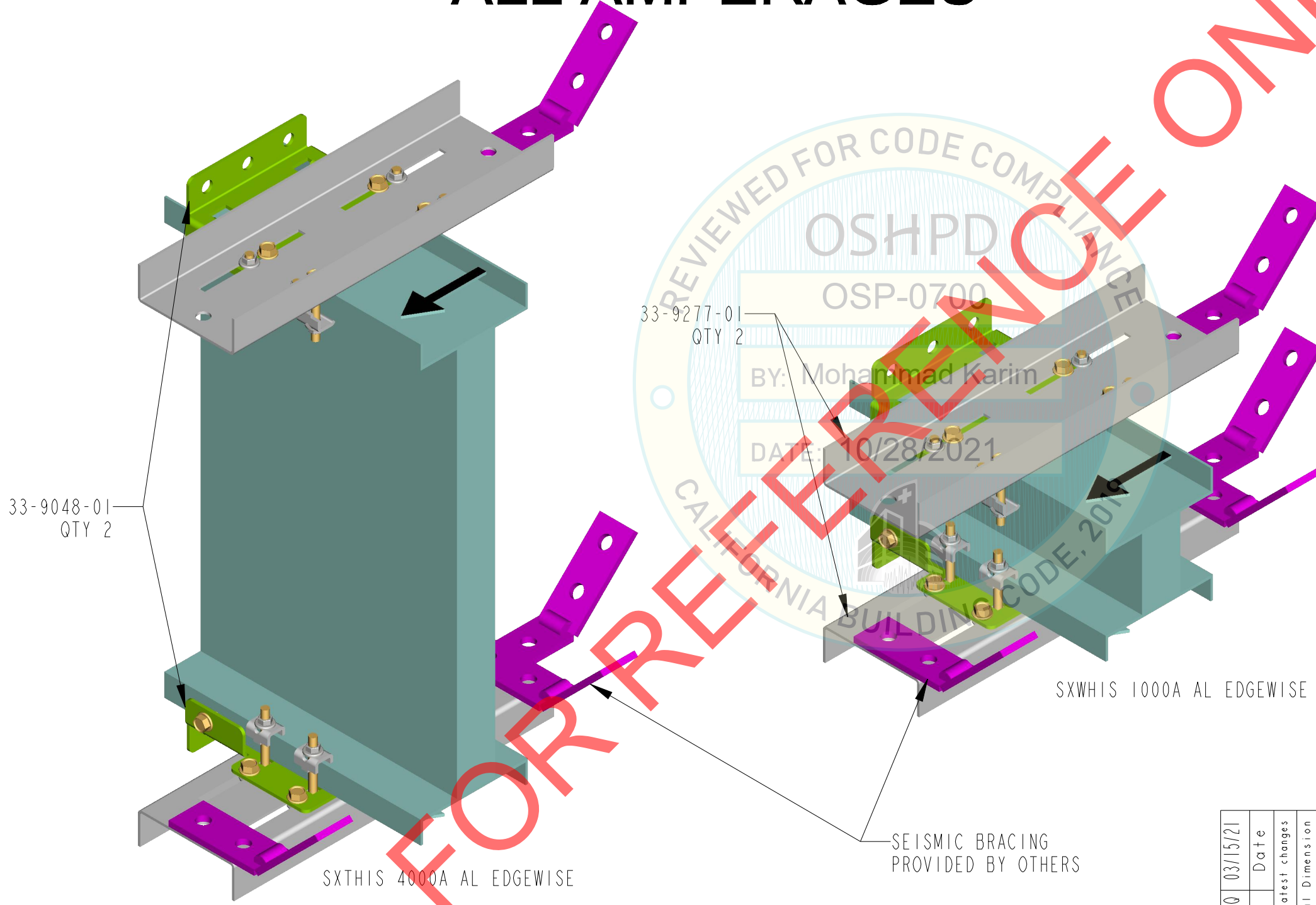
SEISMIC BRACING
SUPPLIED BY OTHERS

FOR RELEASE ONLY



00	Rev	3B-5430	03/15/21	Date	Unless otherwise specified dimensions are in inches Tolerances are non-cumulative and are as follows unless specified otherwise: .XX ± .02 .XXX ± .005 Angular ± 2° Do not scale drawing	Confidential Property of Siemens Industry, Inc.			
00	ECN							SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY	
00	Rev	TJF	01/18/21	Date		Dwg No	3S-9304		
00	Rev	TJF	01/18/21	Date		Scale	0.375	Sheet	11 of 22

SXTH1S EDGEWISE ORIENTATION ASSEMBLY - 33-9050-01 ALL AMPERAGES



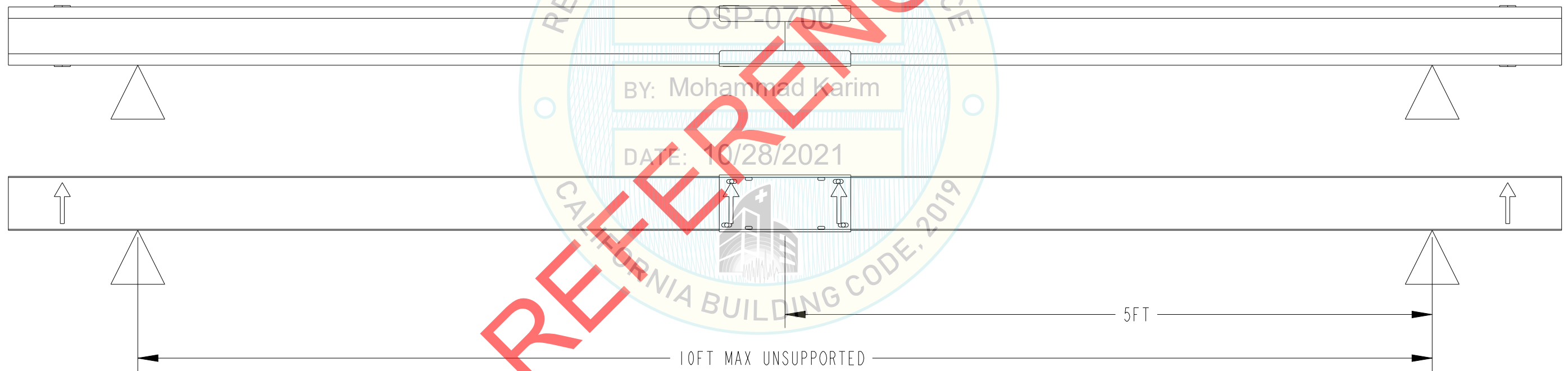
SXTHIS - EDGEWISE	
Aluminum	L-Rated
225	-
400	-
600	-
800	400
1000	600
1200	800
1350	1000
1600	1200
2000	1250, 1600
2500	2000
3000	2500
3200	2000
4000	3000, 3200
Copper	M-Rated
225	-
400	-
600	-
800	400
1000	-
1200	600
1350	800
1600	1000
2000	1200, 1350
-	1600
2500	2000
3000	-
3200	-
4000	2500, 3000, 3200
5000	4000

00	Rev	3B-5430	03/15/21	Date	Unless otherwise specified dimensions are in inches	Confidential Property of Siemens Industry, Inc.
00	Rev	3B-5430	03/15/21	Date	Tolerances are non-cumulative and are as follows unless specified otherwise: .XX ± .02 .XXX ± .005 Angular ± 2°	
Do not scale drawing Dwn TJF Date 01/18/21 Chk TJF Date 01/18/21 Apvd TJF Date 01/18/21					SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY	
					Dwg No	3S-9304
					Scale	1.000
					Sheet	12 of 22

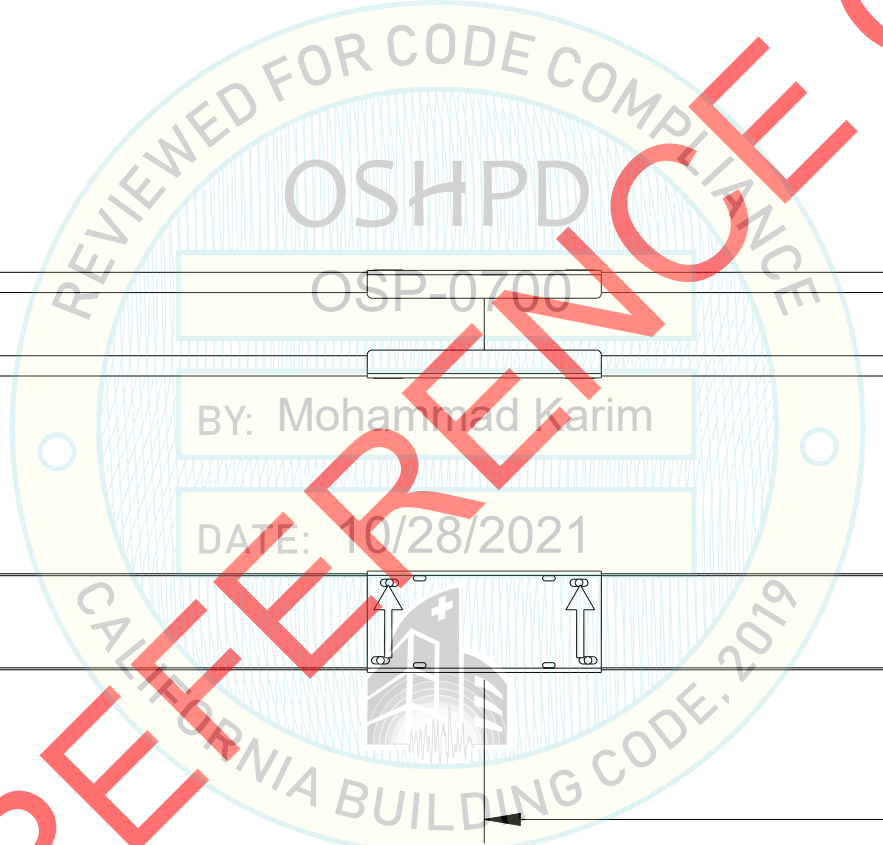
Third Angle Projection
 Rev 00
 Sht 13
 Dwg. No. 3S-9304
 File name: 3S-9304
 Model Name: SIXTIS_4000AL_EDGWISE

HORIZONTAL SUPPORT LOCATION

COPPER 225A-5000A, ALUMINUM 225A - 4000A



**CEILING / WALL MOUNTED SUPPORTS
 SEE PAGES 3 - 12 FOR DETAILS**

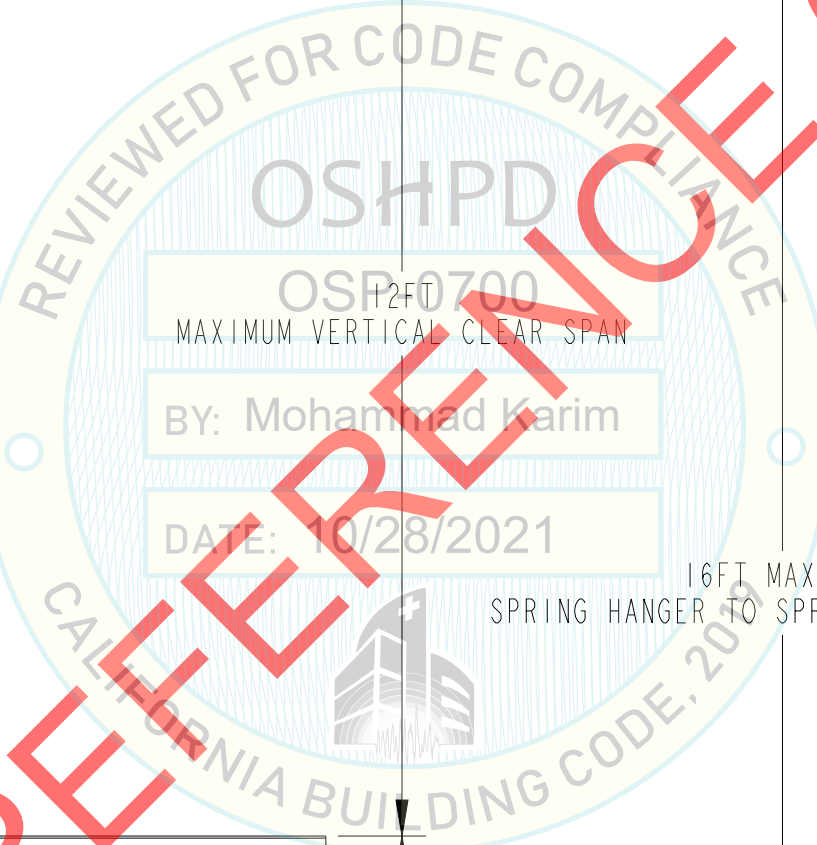
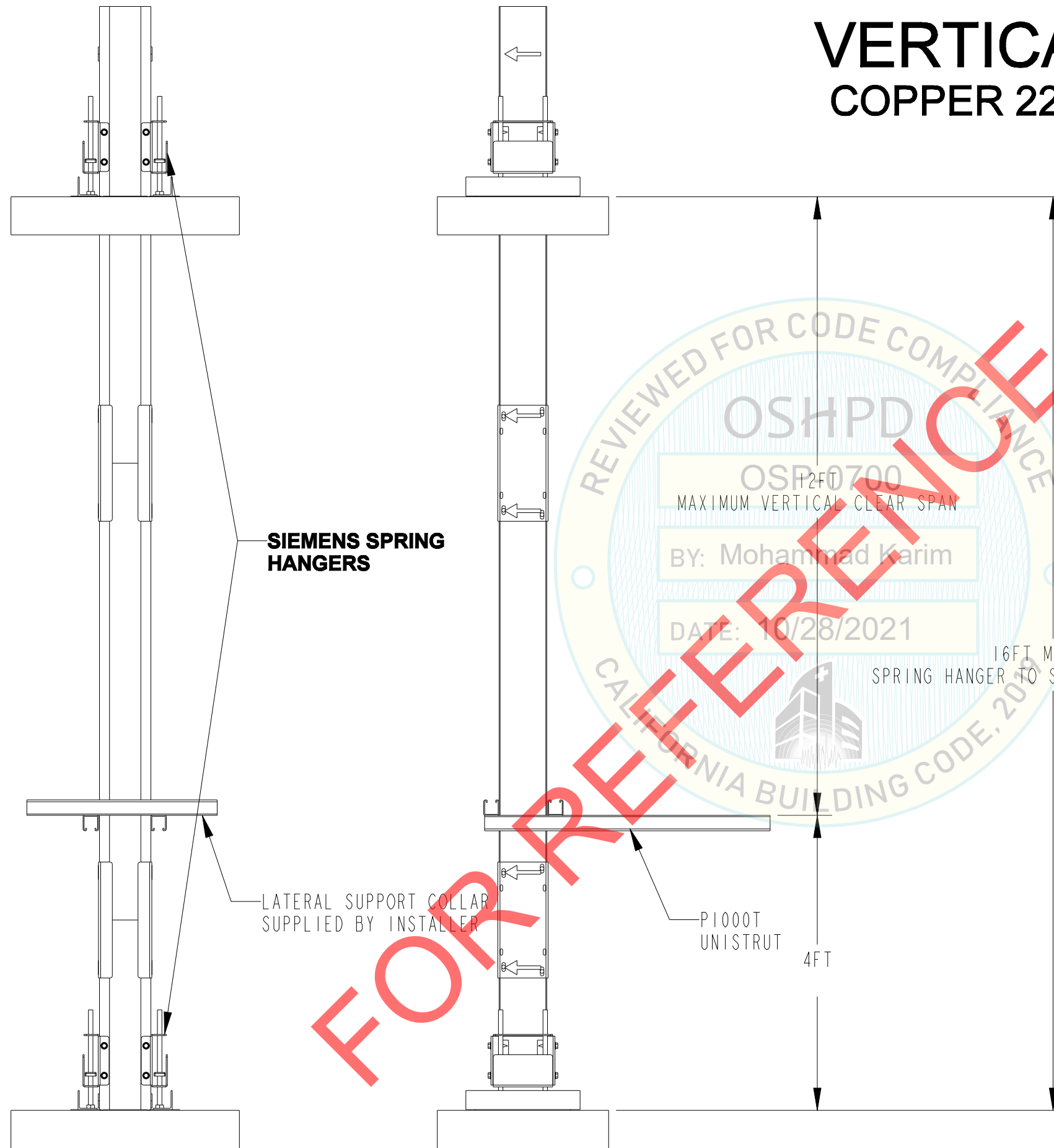


00	3B-5430	03/15/21	Rev	ECN	Date	Unless otherwise specified dimensions are in inches Tolerances are non-cumulative and are as follows unless specified otherwise: .XX ± .02 .XXX ± .005 Angular ± 2° Do not scale drawing	Confidential Property of Siemens Industry, Inc.				
00	3B-5430	03/15/21	Rev	ECN	Date		SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY				
00	3B-5430	03/15/21	Rev	ECN	Date		Dwg No	3S-9304			
00	3B-5430	03/15/21	Rev	ECN	Date		Scale	1.000			
						Apvd	TJF	Date	01/18/21	Sheet	13 of 22

Third Angle Projection
 Rev 00
 Sht 14
 3S-9304
 Dwg. No.
 3S-9304
 File name:
 HORIZONTAL_SUPPORT_FLATWISE
 Model Name:

VERTICAL SUPPORT LOCATION

COPPER 225A-5000A, ALUMINUM 225A - 4000A



16FT MAXIMUM
 SPRING HANGER TO SPRING HANGER SPAN

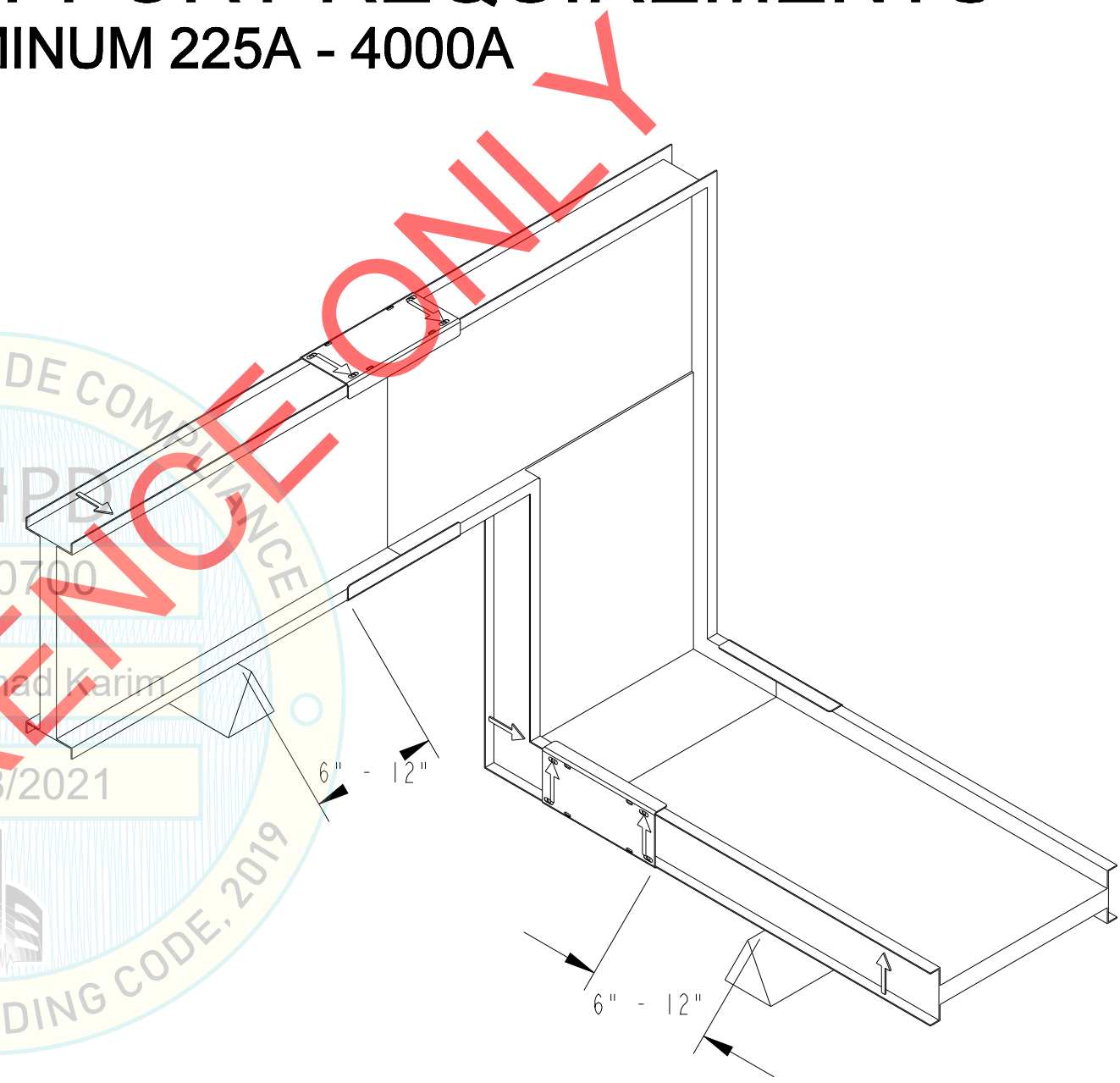
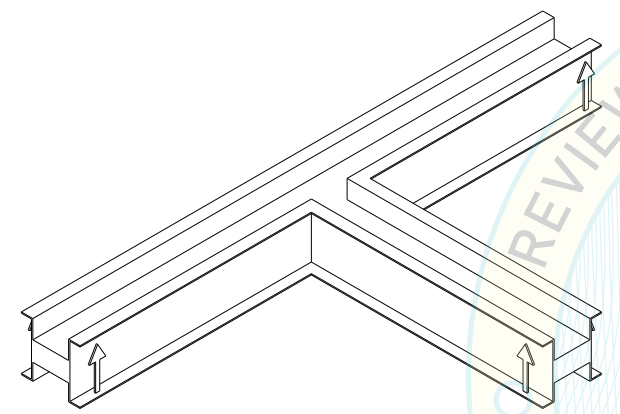
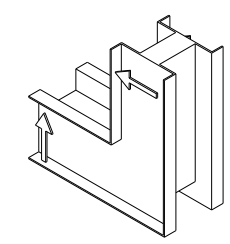
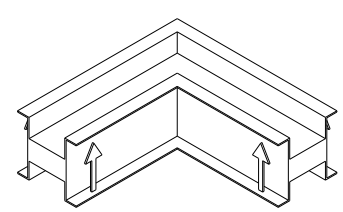
4FT

00	Rev	3B-5430	03/15/21	Date	Unless otherwise specified dimensions are in inches Tolerances are non-cumulative and are as follows unless specified otherwise: .XX ± .02 .XXX ± .005 Angular ± 2° Do not scale drawing	Confidential Property of Siemens Industry, Inc.			
00	ECN							SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY	
00	Rev	TJF	01/18/21	Date		Dwg No	3S-9304		
00	Rev	TJF	01/18/21	Date		Scale	1.000	Sheet	14 of 22

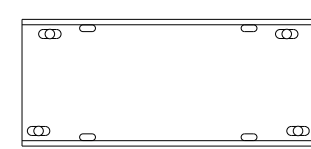
BUSWAY FITTING SEISMIC SUPPORT REQUIREMENTS

COPPER 225A-5000A, ALUMINUM 225A - 4000A

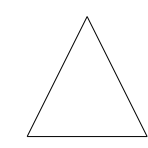
ALL CHANGE OF DIRECTION FITTINGS LISTED BELOW MUST FOLLOW THE SUPPORT CONDITIONS DETAILED IN THIS DRAWING



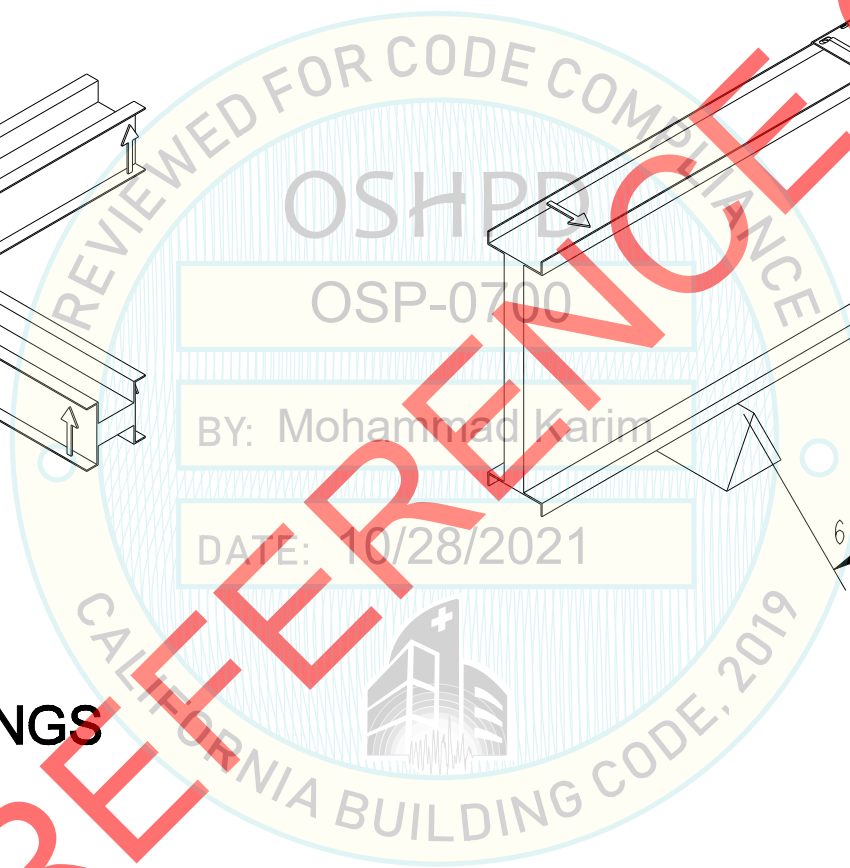
ELBOW STACK, ELBOW, FLAT TEE, OFFSETS, AND COMBINATION FITTINGS



BUSWAY JOINT AND JOINT COVER



CEILING / WALL MOUNTED SUPPORTS SEE PAGES 3 - 12 FOR DETAILS

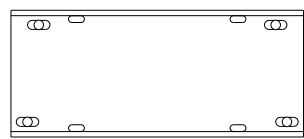
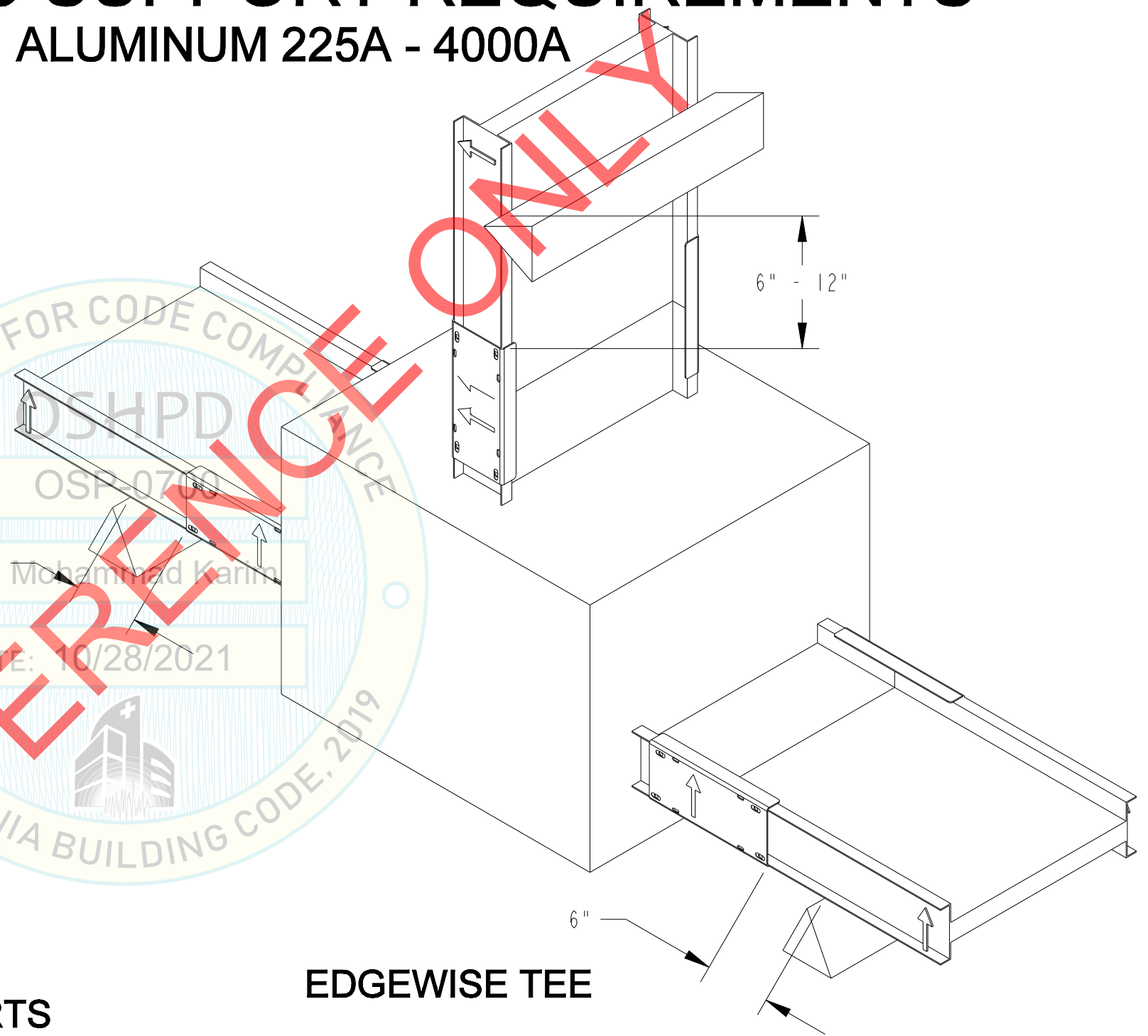
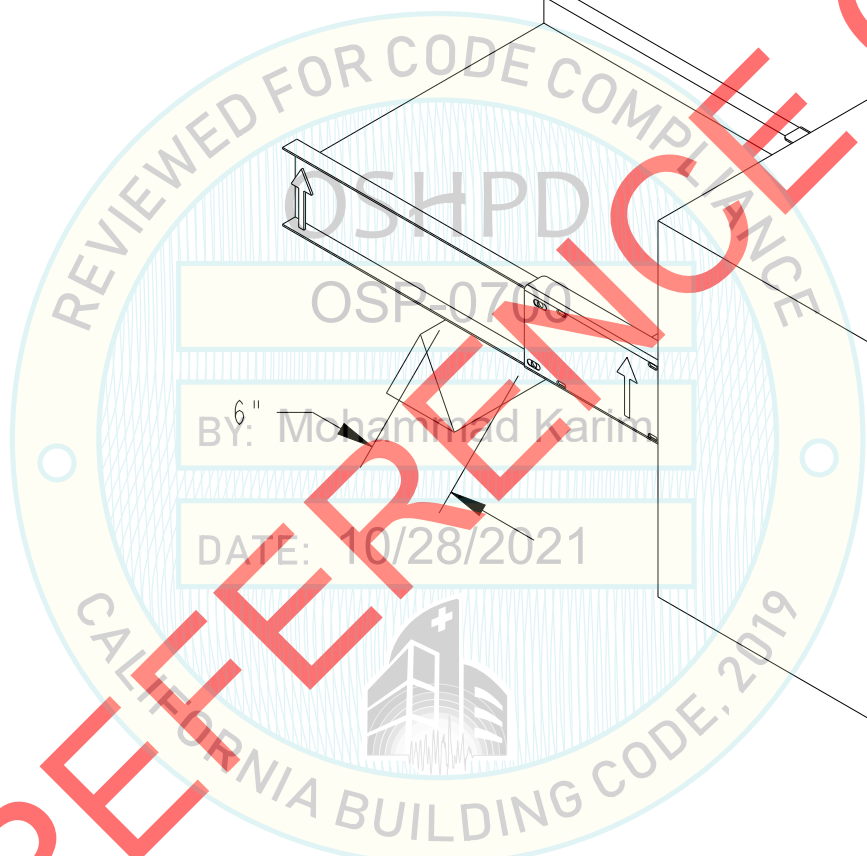


FOR REFERENCE ONLY

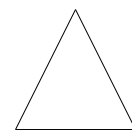
00	Rev	3B-5430	03/15/21	Date	Unless otherwise specified dimensions are in inches Tolerances are non-cumulative and are as follows unless specified otherwise: .XX ± .02 .XXX ± .005 Angular ± 2° Do not scale drawing	Confidential Property of Siemens Industry, Inc.	
00	ECN					SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY	
00	Rev	TJF	01/18/21	Date		Dwg No	3S-9304
00	Rev	TJF	01/18/21	Date		Rev	00
00	Rev	TJF	01/18/21	Date		Scale	1.000
					Sheet 15 of 22		

BUSWAY FITTING SEISMIC SUPPORT REQUIREMENTS

COPPER 225A-5000A, ALUMINUM 225A - 4000A



BUSWAY JOINT AND JOINT COVER



**CEILING / WALL MOUNTED SUPPORTS
SEE PAGES 3 - 12 FOR DETAILS**

EDGEWISE TEE

00	Rev	3B-5430	03/15/21	Date	Unless otherwise specified dimensions are in inches Tolerances are non-cumulative and are as follows unless specified otherwise: .XX ± .02 .XXX ± .005 Angular ± 2° Do not scale drawing	Confidential Property of Siemens Industry, Inc.			
SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY									
00	Dwn	TJF	01/18/21	Date		Dwg No	3S-9304	Rev	00
	Chk	TJF	01/18/21	Date		Scale	1.000	Sheet 16 of 22	
	Apvd	TJF	01/18/21	Date					

Third Angle Proj

Rev 00

Sht 17

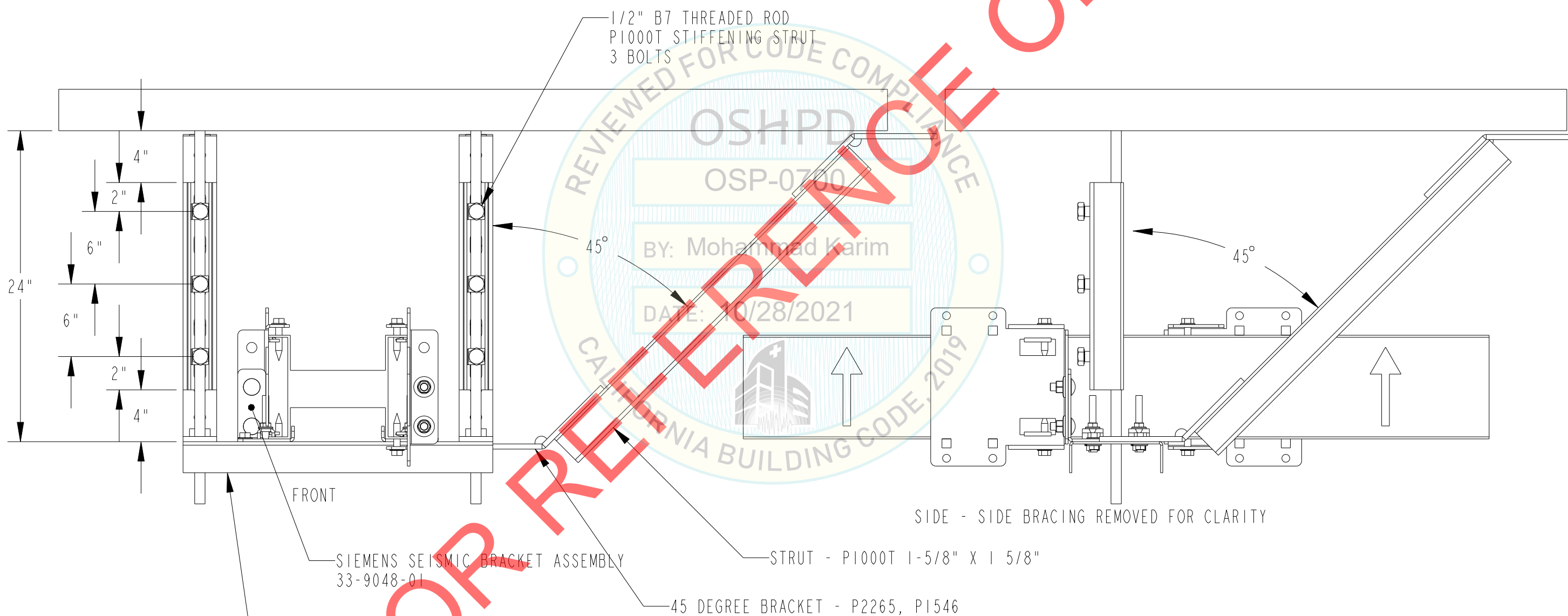
Dwg. No. 3S-9304

File name: 3S-9304

Model Name: VERTICAL-SUPPORT

TRAPEZE, CEILING SUSPENDED CONFIGURATIONS

COPPER 225A-5000A, ALUMINUM 225A - 4000A



FOR REVIEW ONLY

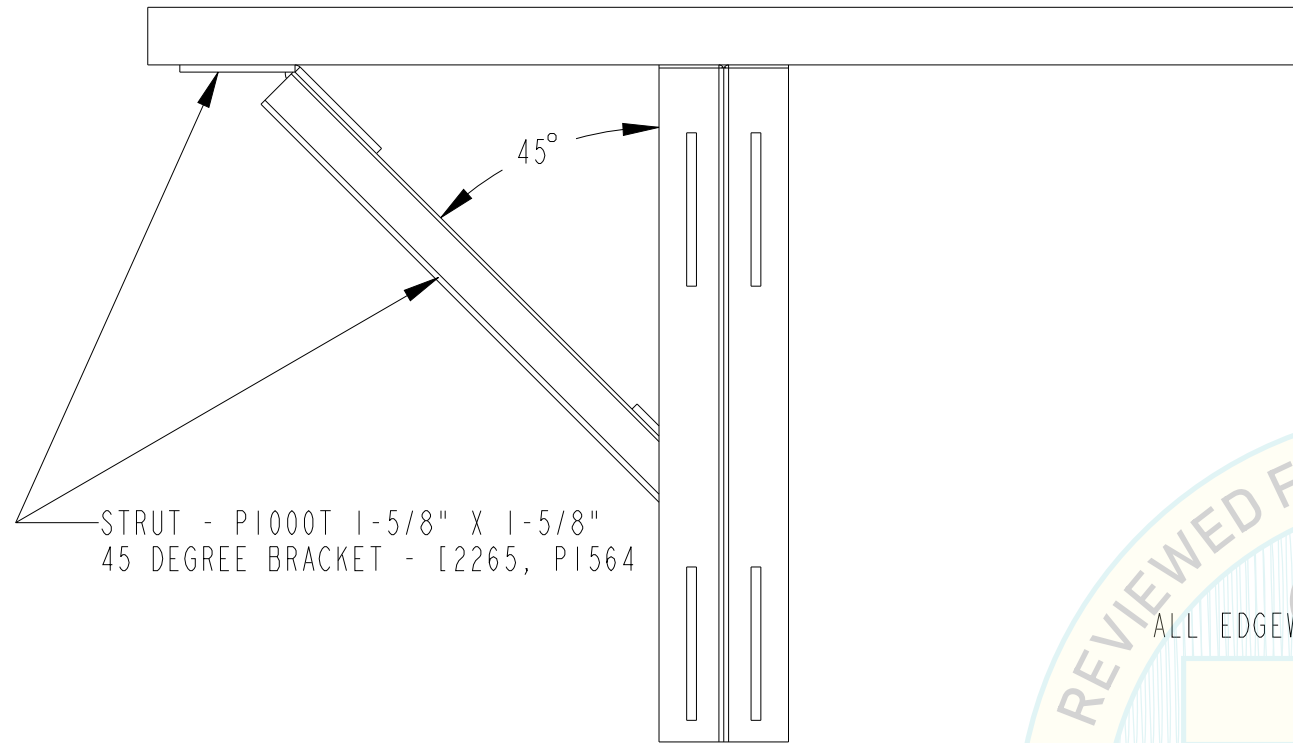
REVIEWED FOR CODE COMPLIANCE
 OSHHPD
 OSP-0700
 BY: Mohammad Karim
 DATE: 10/28/2021
 CALIFORNIA BUILDING CODE, 2019

00	Rev	3B-5430	03/15/21	Date	Unless otherwise specified dimensions are in inches Tolerances are non-cumulative and are as follows unless specified otherwise: .XX ± .02 .XXX ± .005 Angular ± 2° Do not scale drawing	Confidential Property of Siemens Industry, Inc.		
△ - Denotes latest changes □ - Critical Dimension						SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY		
Dwn	TJF	Date	01/18/21	Dwg No		3S-9304		Rev 00
Chk	TJF	Date	01/18/21	Scale		1.000	Sheet 17 of 22	
Apvd	TJF	Date	01/18/21					

Third Angle Proj
 Rev 00
 Sht 18
 3S-9304
 Dwg. No.
 3S-9304
 File name:
 SXWHIS_1600CU
 Model Name:

WALL MOUNTED CONFIGURATIONS

COPPER 225A-5000A, ALUMINUM 225A - 4000A

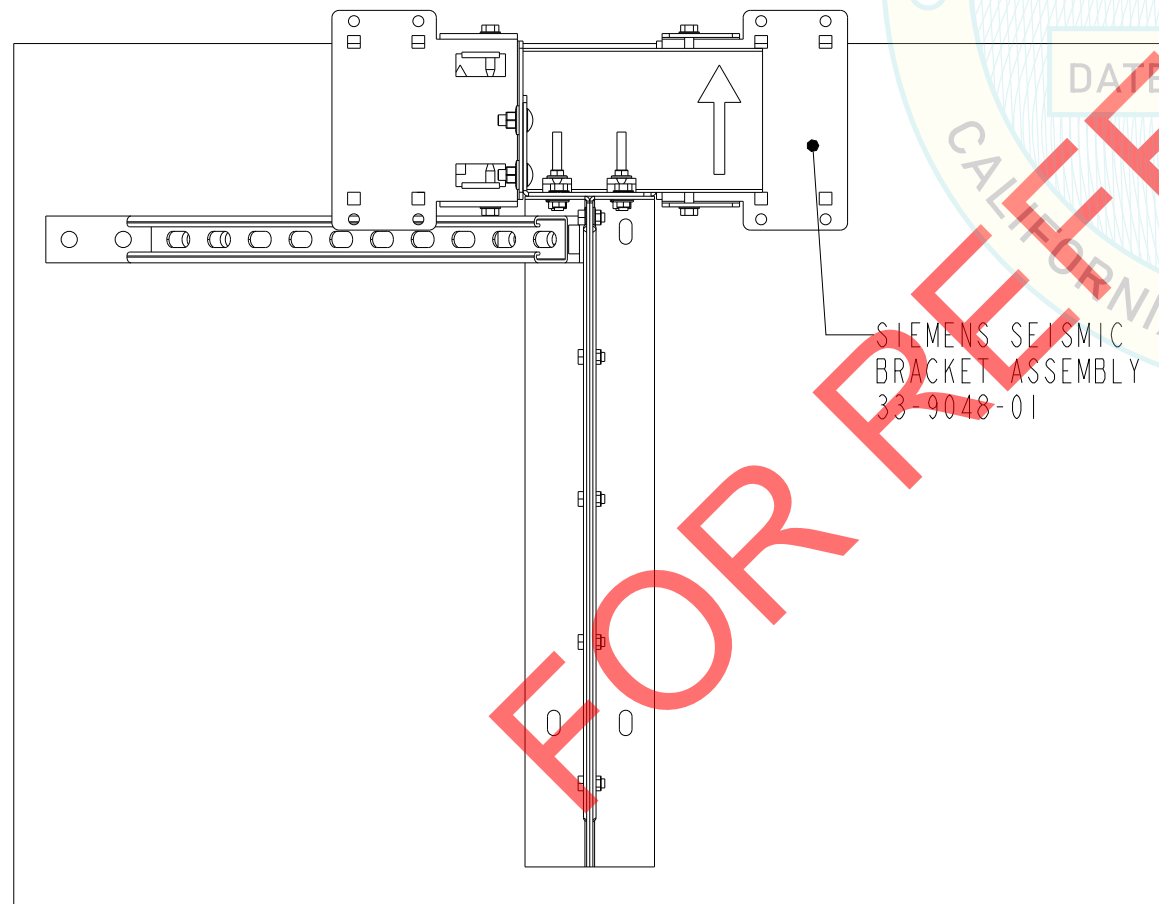


STRUT - P1000T 1-5/8" X 1-5/8"
 45 DEGREE BRACKET - L2265, P1564

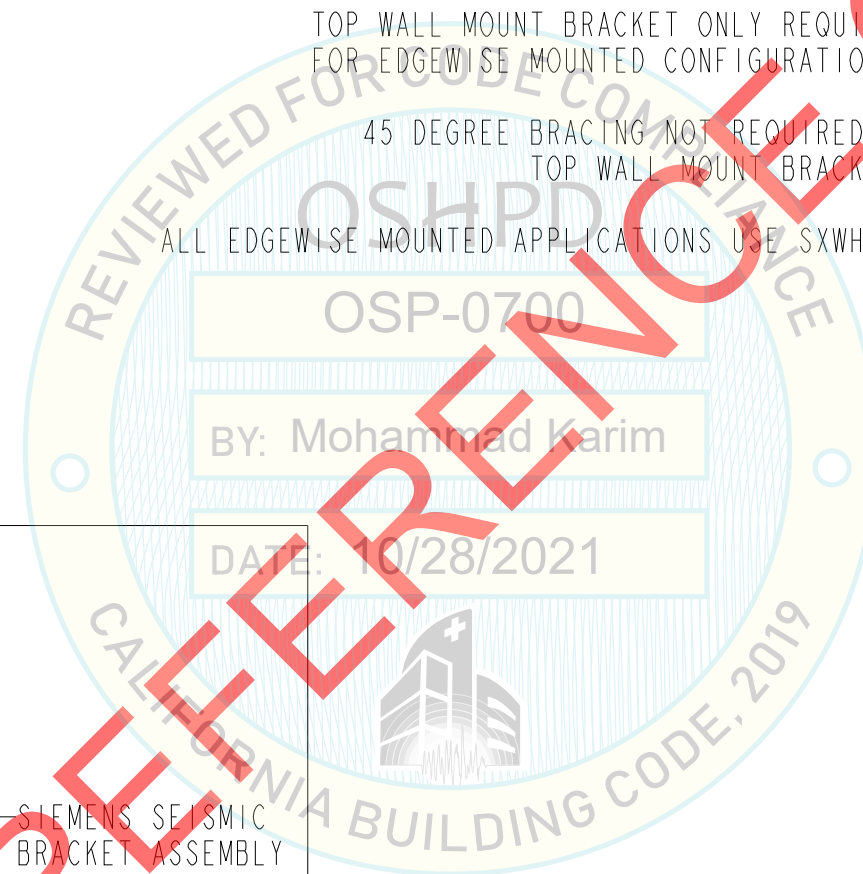
TOP WALL MOUNT BRACKET ONLY REQUIRED FOR EDGEWISE MOUNTED CONFIGURATIONS.

45 DEGREE BRACING NOT REQUIRED AT TOP WALL MOUNT BRACKET.

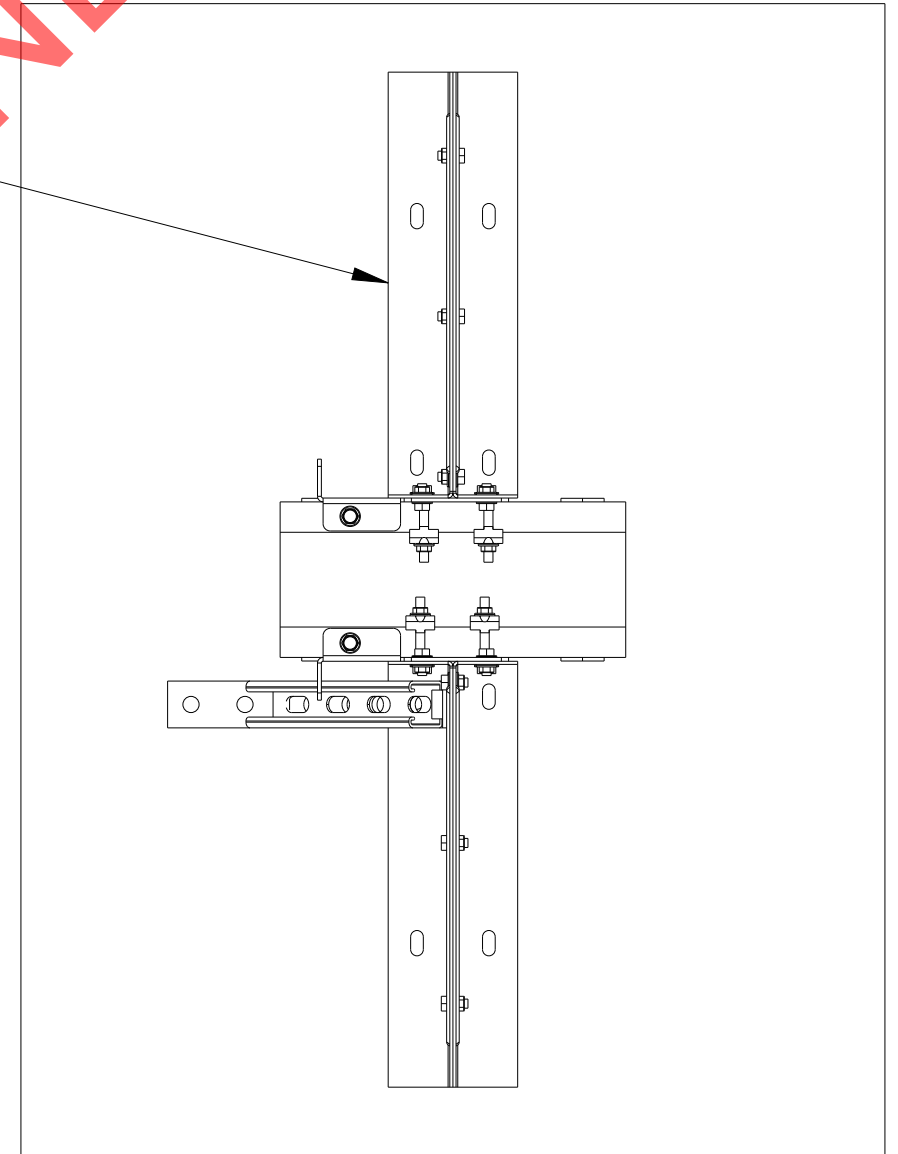
ALL EDGEWISE MOUNTED APPLICATIONS USE SXWHIS.



SIEMENS SEISMIC BRACKET ASSEMBLY
 33-9048-01



FOR REFERENCE ONLY

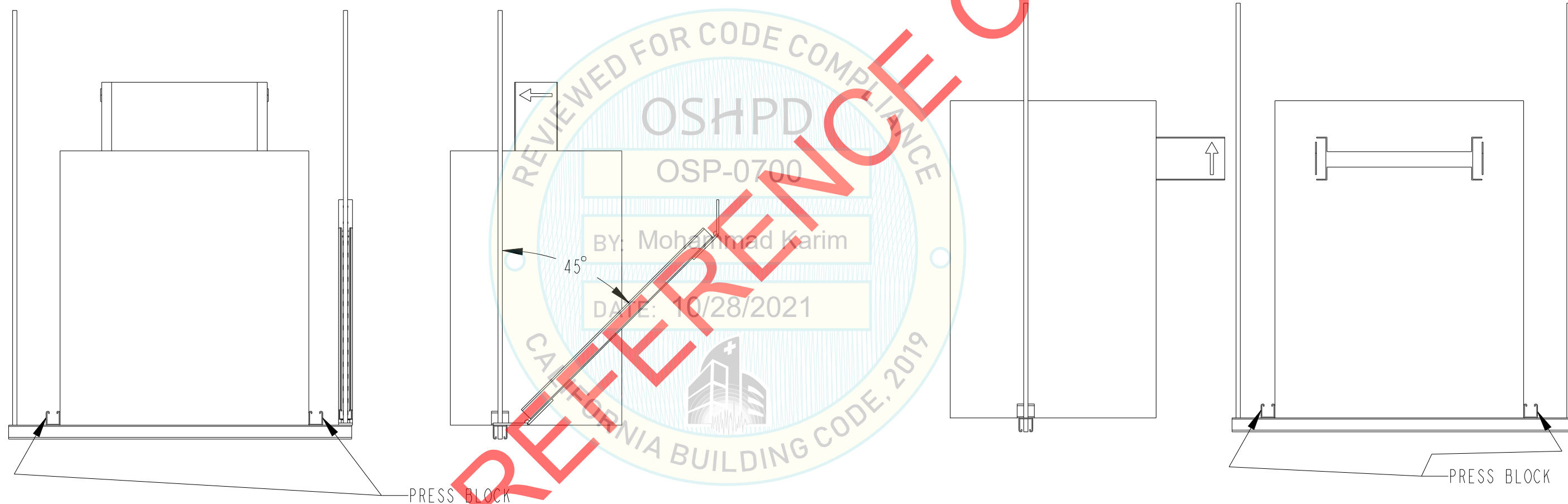


00	Rev	3B-5430	03/15/21	Date	Unless otherwise specified dimensions are in inches Tolerances are non-cumulative and are as follows unless specified otherwise: .XX ± .02 .XXX ± .005 Angular ± 2° Do not scale drawing	Confidential Property of Siemens Industry, Inc.	
00	Rev	3B-5430	03/15/21	Date		SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY	
00	Rev	3B-5430	03/15/21	Date		Dwg No	3S-9304
00	Rev	3B-5430	03/15/21	Date		Scale	0.250
00	Rev	3B-5430	03/15/21	Date		Sheet	18 of 22

BUSWAY FITTINGS

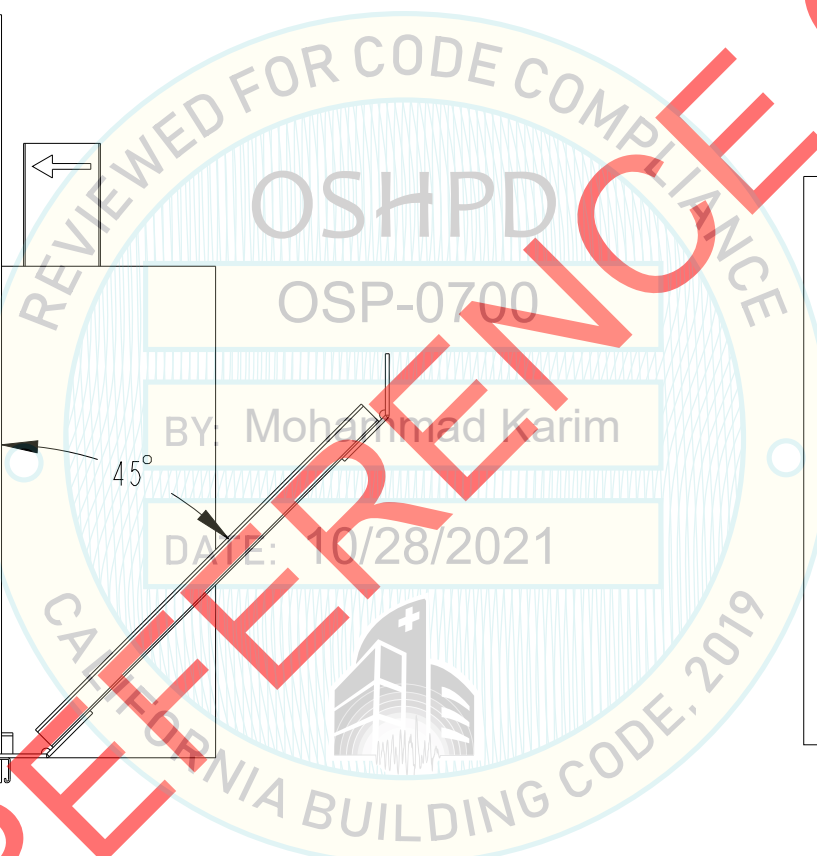
COPPER 225A-5000A, ALUMINUM 225A - 4000A

SUPPORT PROVIDED BY:
 STRUT - P1000T 1-5/8" X 1-5/8"
 45 DEGREE BRACKET - 2265, P1564
 1/2" A36 THREADED ROD



VERTICAL END TAP BOX

HORIZONTAL END TAP BOX

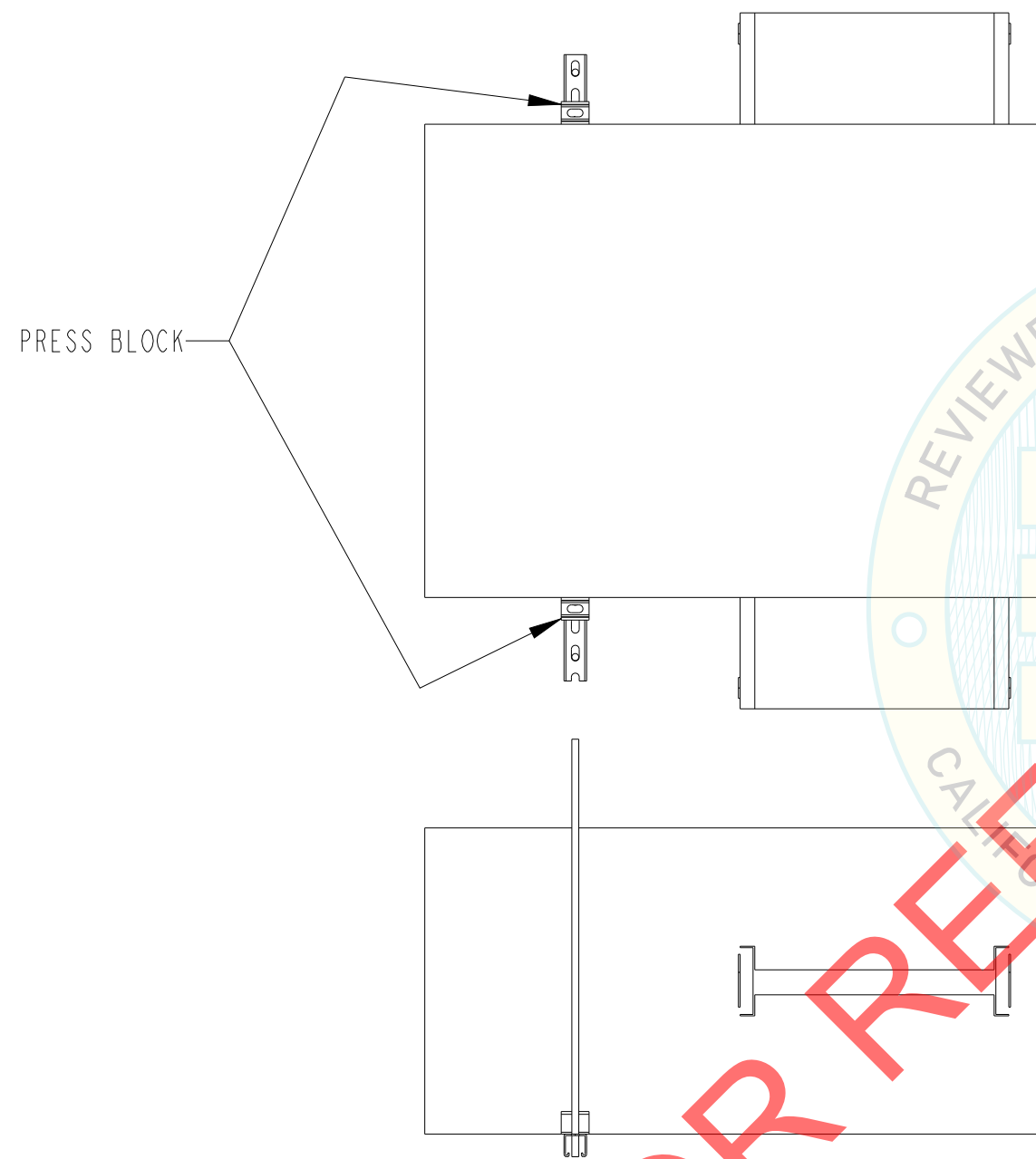


00	Rev	3B-5430	03/15/21	Date	Unless otherwise specified dimensions are in inches Tolerances are non-cumulative and are as follows unless specified otherwise: .XX ± .02 .XXX ± .005 Angular ± 2° Do not scale drawing	Confidential Property of Siemens Industry, Inc.					
00	ECN							SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY			
00	Rev					Dwg No	3S-9304			Rev	00
00	Rev					Scale	1.000			Sheet	19 of 22
00	Rev					Apvd	TJF	Date	01/18/21		

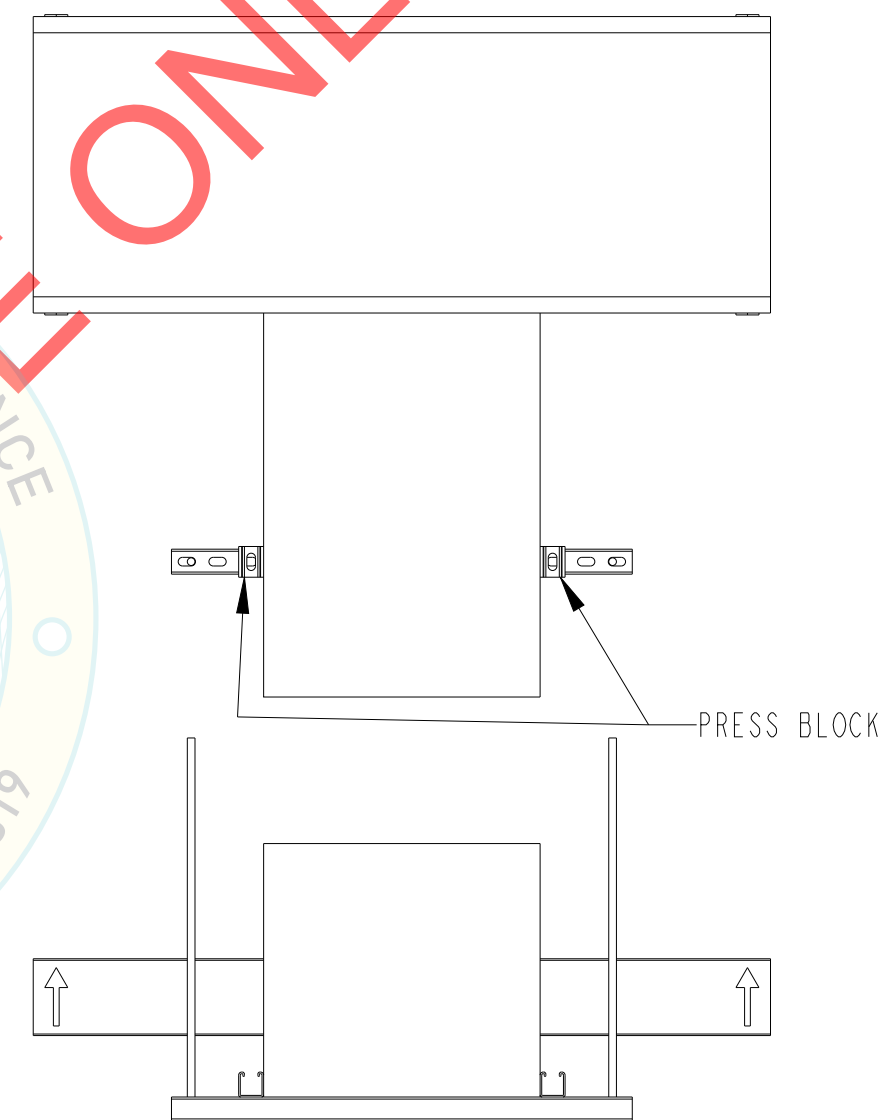
BUSWAY FITTINGS

COPPER 225A-5000A, ALUMINUM 225A - 4000A

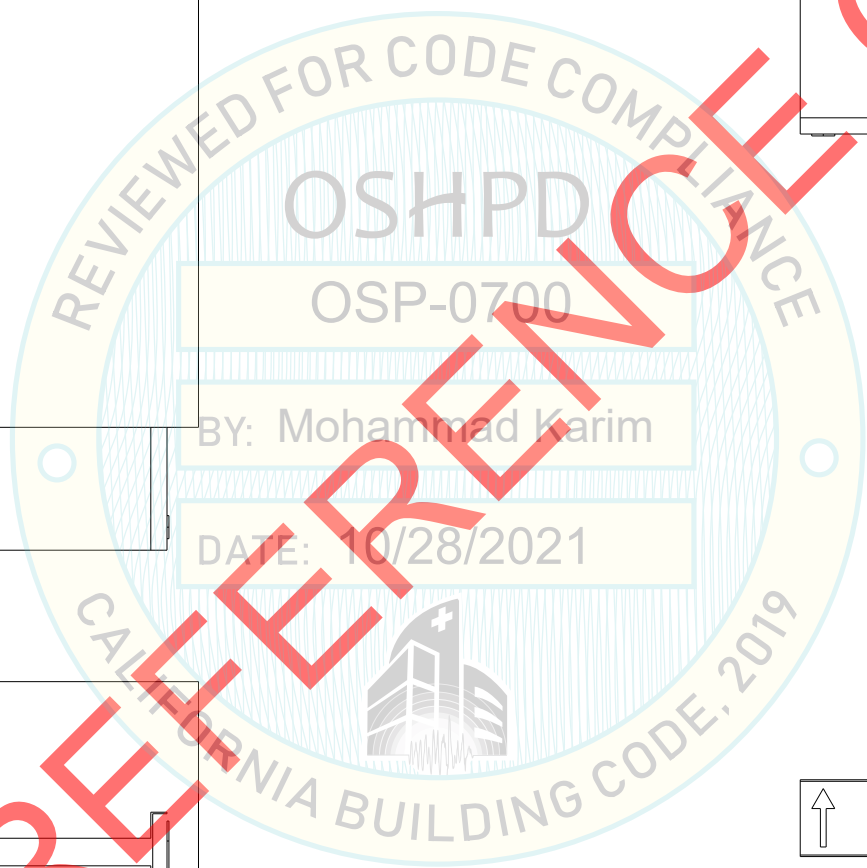
SUPPORT PROVIDED BY:
 STRUT - P1000T 1-5/8" X 1-5/8"
 45 DEGREE BRACKET - 2265, P1564
 1/2" A36 THREADED ROD



CENTER TAP BOX



JOINT MOUNTED TAP BOX
 HORIZONTAL BUSWAY APPLICATIONS



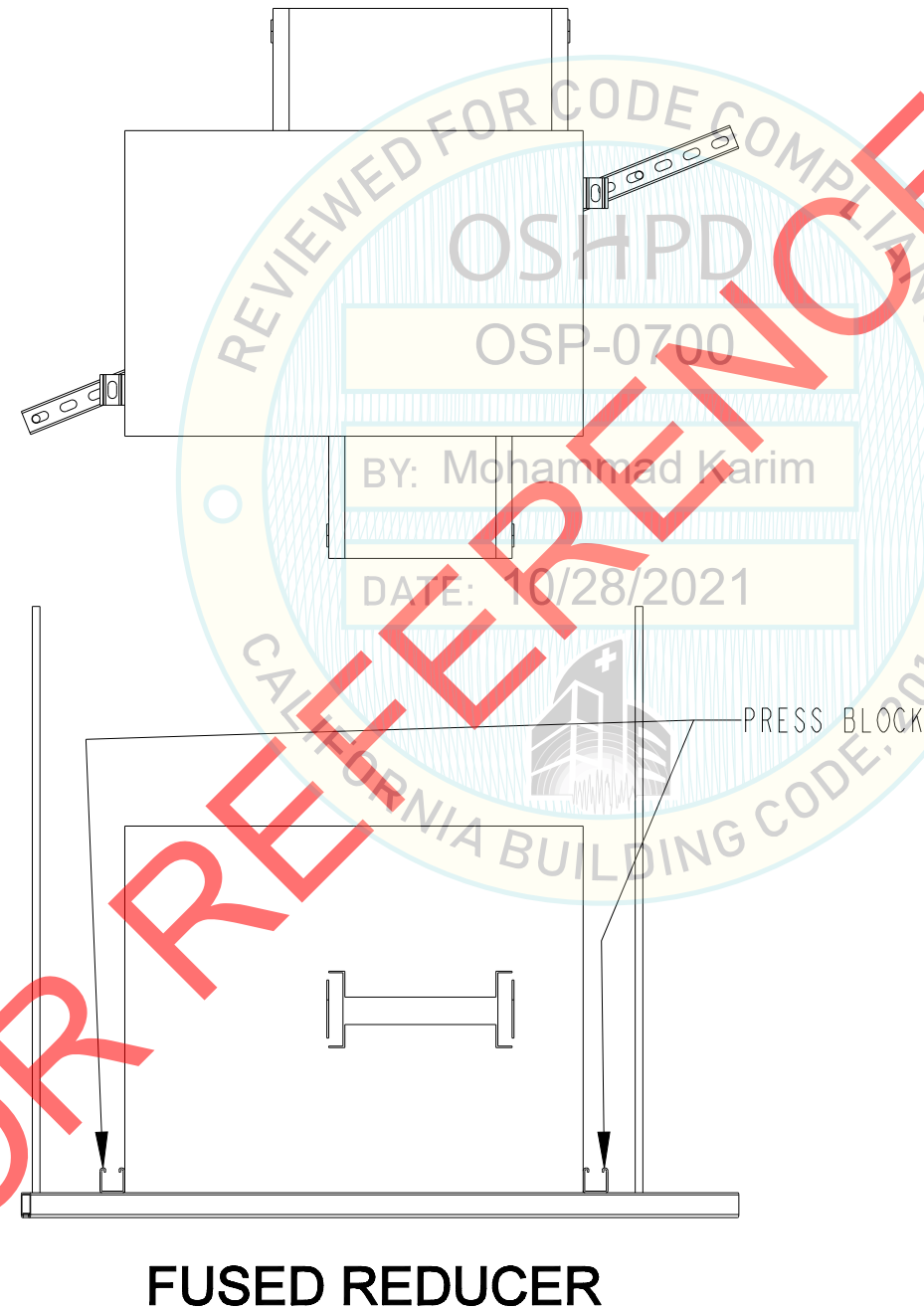
00	Rev	3B-5430	03/15/21	Date	Unless otherwise specified dimensions are in inches Tolerances are non-cumulative and are as follows unless specified otherwise: .XX ± .02 .XXX ± .005 Angular ± 2° Do not scale drawing	Confidential Property of Siemens Industry, Inc.		
00	ECN							SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY
	Rev					Dwg No	3S-9304	
	Chk	TJF	Date	01/18/21		Scale	1.000	Sheet 20 of 22
	Apvd	TJF	Date	01/18/21				

BUSWAY FITTINGS

COPPER 225A-5000A, ALUMINUM 225A - 4000A

SUPPORT PROVIDED BY:
 STRUT - P1000T 1-5/8" X 1-5/8"
 45 DEGREE BRACKET - 2265, P1564
 1/2" A36 THREADED ROD

FOR REFERENCE ONLY



FUSED REDUCER

00	3B-5430	03/15/21	Rev	ECN	Date	Unless otherwise specified dimensions are in inches Tolerances are non-cumulative and are as follows unless specified otherwise: .XX ± .02 .XXX ± .005 Angular ± 2° Do not scale drawing	Confidential Property of Siemens Industry, Inc.		
			△ - Denotes latest changes					SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY	
			□ - Critical Dimension					Dwg No	3S-9304
								Rev	00
							Scale	1.000	
								Sheet 21 of 22	

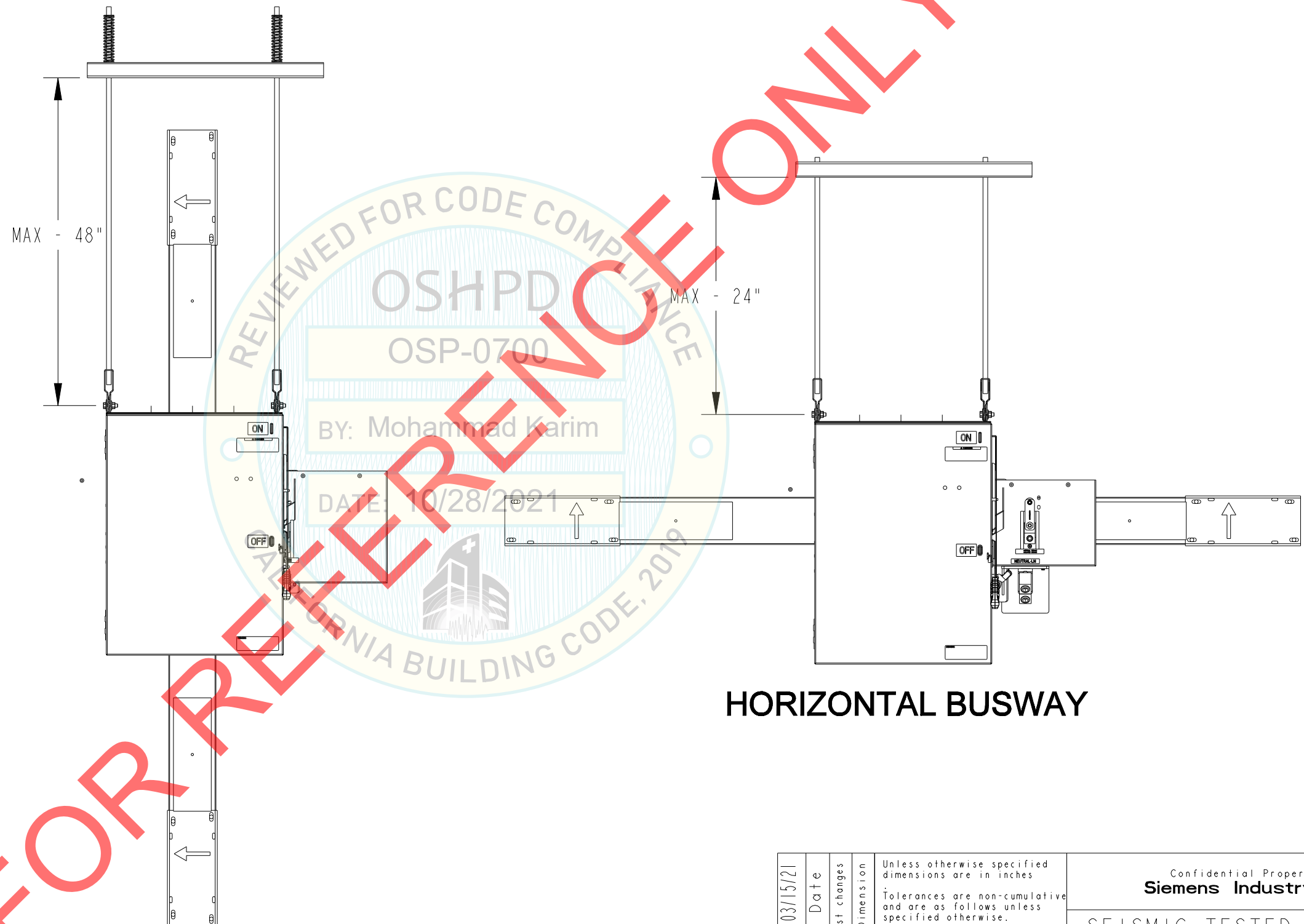
Third Angle Projection
 Rev 00
 Sht 22
 3S-9304
 Dwg. No.
 3S-9304
 File name:
 3S-9304
 Model Name: EDGE_TEE_SUPPORT

**SUPPORT PROVIDE BY:
 1/2" THREADED ROD
 SXSK SPRING KIT - VERTICAL ONLY**

**APPLIES TO:
 400A - 600A SLVB
 400A - 800A MCCB**

BUS PLUG SUPPORT

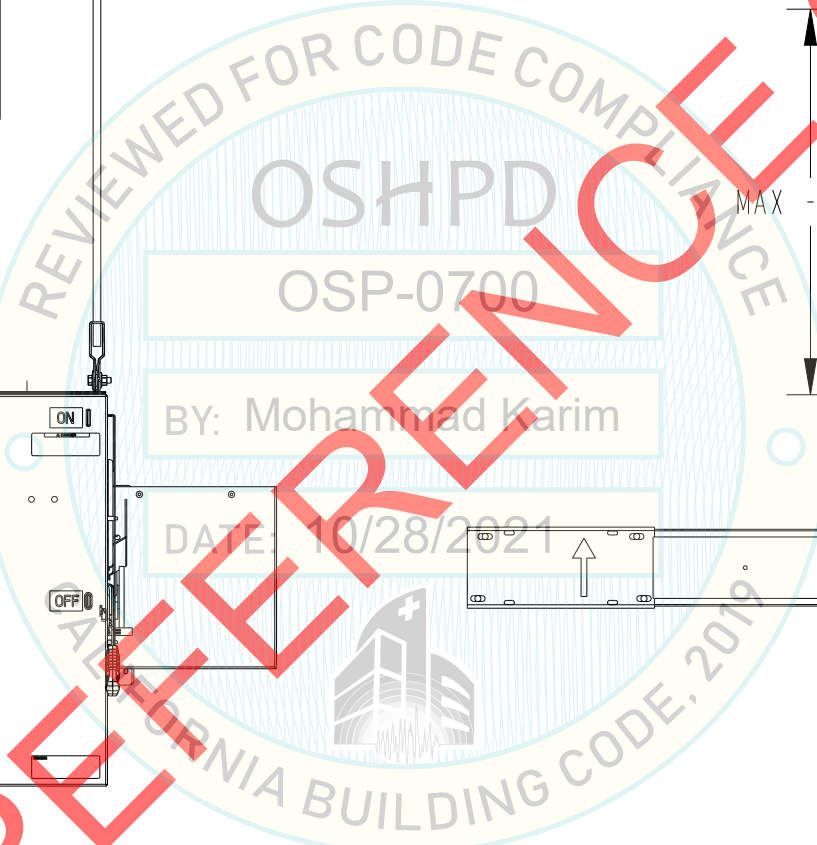
COPPER 225A-5000A, ALUMINUM 225A - 4000A



VERTICAL BUSWAY

HORIZONTAL BUSWAY

FOR REVIEW ONLY



00	Rev	3B-5430	03/15/21	Date	Unless otherwise specified dimensions are in inches Tolerances are non-cumulative and are as follows unless specified otherwise: .XX ± .02 .XXX ± .005 Angular ± 2° Do not scale drawing	Confidential Property of Siemens Industry, Inc.					
00	ECN							SEISMIC TESTED SUPPORTS AND ATTACHMENTS SENTRON BUSWAY			
00	Rev					Dwg No	3S-9304			Rev	00
00	Rev					Scale	1.000			Sheet	22 of 22
00	Rev					Apvd	TJF	Date	01/18/21		