

R O
O M

Seismic Anchoring

Safety first-

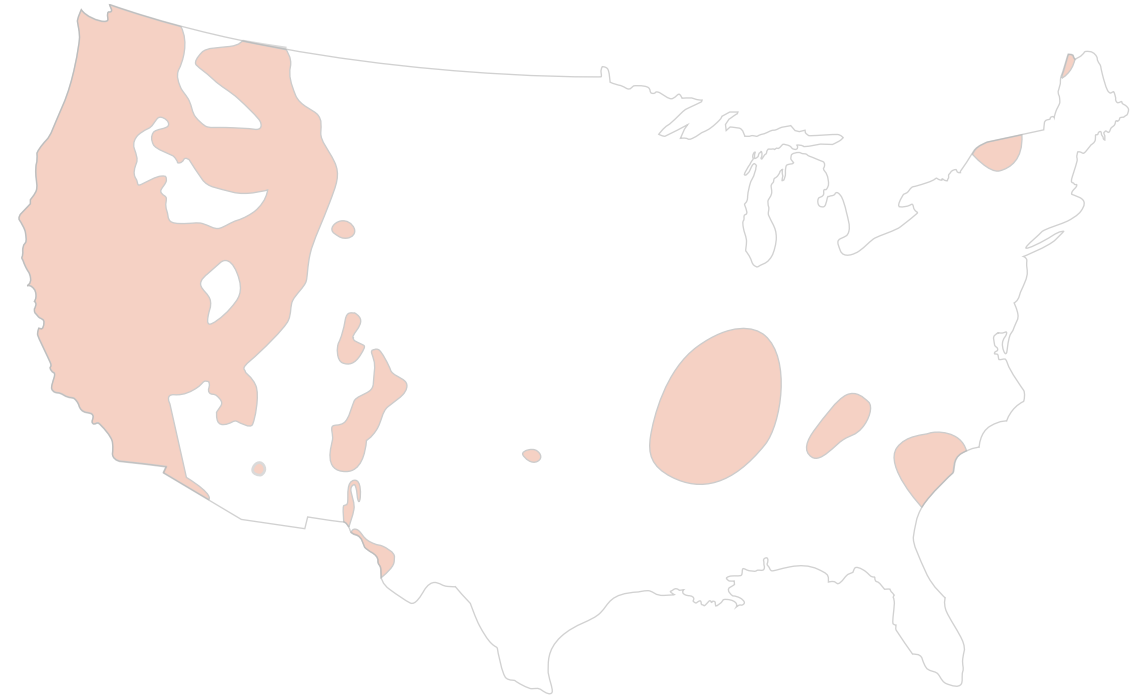
If you're within or near the areas highlighted, we recommend that you speak to your building manager/engineer about any potential anchoring requirements for seismic activity and local jurisdictional approvals for seismic anchoring design and installation.

This guide outlines everything you need to anchor your ROOM units.

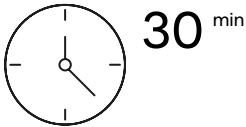
The following steps require either a concrete slab at least 5" thick, or a 1/2" thick wood deck with joists no more than 48" apart; or a steel deck with max 3" deep flutes and 16 GA min and at least 2.5" deep concrete fill above steel deck*. See the following pages for detailed requirements.

Before you begin your anchoring assembly, make sure you are working with a contractor/installer approved by the building for carrying out the scope of work, have all tools and materials outlined, and if installing multiple units ensure that the units are placed at a sufficient distance apart to accommodate installation as necessary.

*Steel deck attachment hardware not included in Seismic Kit.



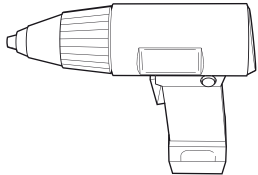
What you'll need



30 min



#4 allen key



Hammer drill

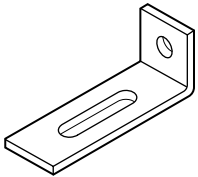


3/8" diameter
masonry drill bit



9/16" socket

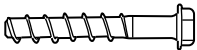
Included in the kit



Corner angle
4x

For Concrete Installation

(Pages 03-06)



Screw-in anchor
4x



Washer
4x

For Wood Floor Installation

(Pages 09-10)




Hex Head Wood Screw
4x



Washer for 3/8" Screw
4x

4	Differentiate Between Stand-Alone Booths and Grouped Booths	08/31/2022
3	Post-Installed Anchors note 6.3 updated	04/16/2020
2	Time of seal & design note 9 updated	03/10/2020
1	Notes added	08/21/2019
0	Original Issue	07/19/2019
NO.	REVISION	DATE

SEAL



IT IS A VIOLATION OF STATE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ENGINEER, TO ALTER THIS DRAWING IN ANY WAY. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

PROJECT: ROOM SEISMIC ANCHORAGE DESIGN

ADDRESS: Not Applicable

PROJECT NO: 1CMH00001.000

DATE: 08/31/2022

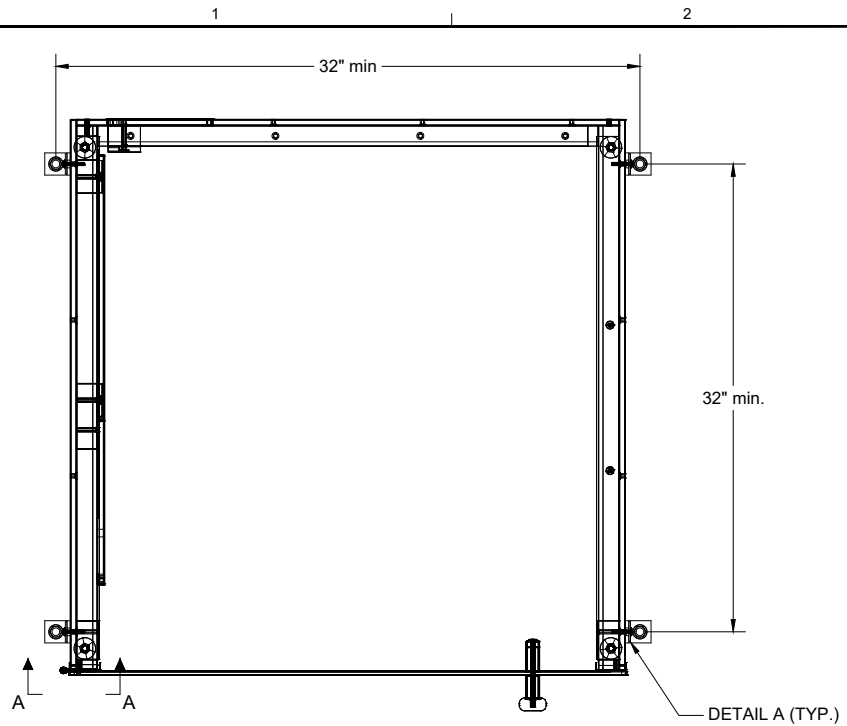
DESIGN: MJW DRAWN BY: MJW CHECKED BY: HAY

SCALE: See on views, details, and sections when applicable.

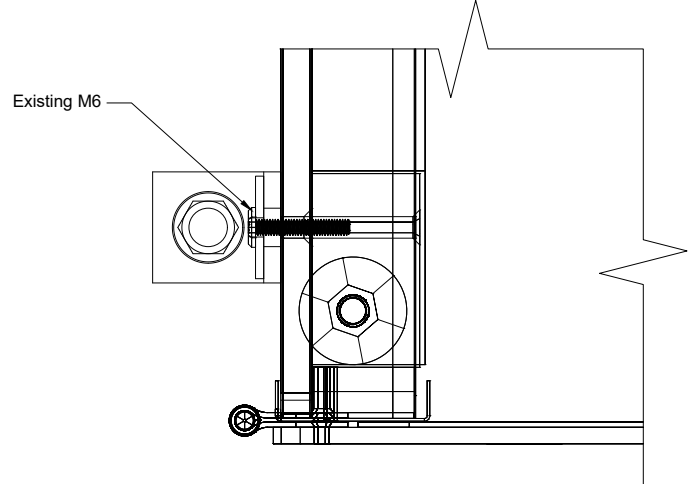
TITLE: SEISMIC ANCHORAGE DETAILS

NUMBER: SAD001

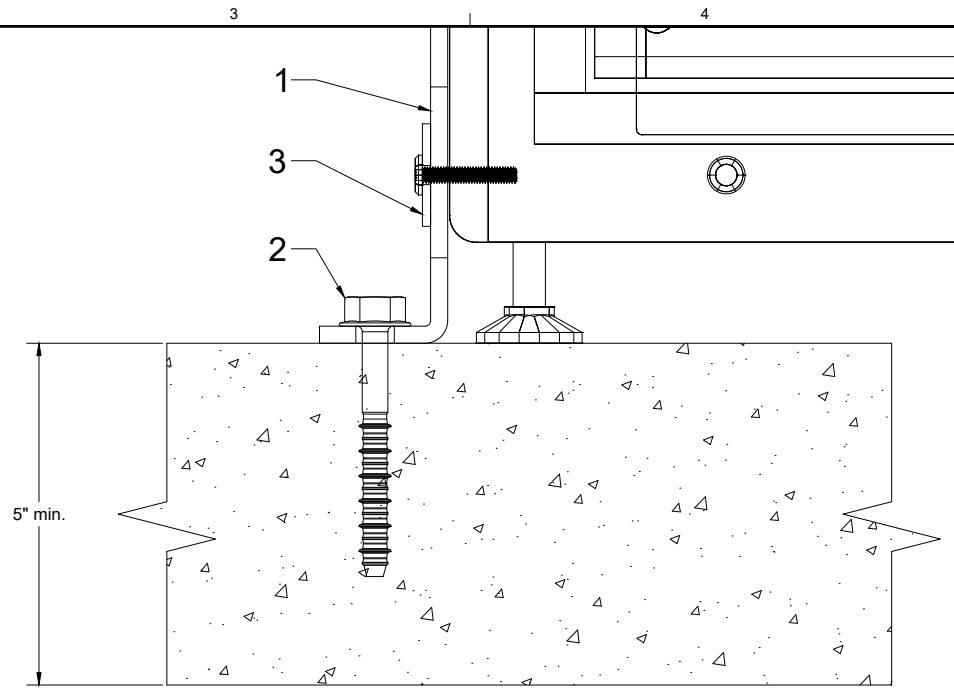
SHEET: 1 of 2



TOP VIEW (1:5)
(Note 1)



DETAIL A (1:1)



SECTION A-A (TYP.) (1:1)

- NOTES**
1. This top view pertains to stand-alone phone booths that are greater than 6 inches from other phone booths and other seismically-anchored components. For the top view of a group of phone booths within 6 inches of one another, see SAD004.
 2. See the note regarding Hilti KH-EZ anchor lengths on Sheet 2 of SAD001 (Post-Installed Anchors Note #5).

4

BILL OF MATERIALS (PER BOOTH)			
ID	ITEM	Spec.	Quant.
1	Phoenix L41 - 2 Hole 4-7/8" Adjustable Corner Angle	ASTM A1011 Gr. 33	4
2	Hilti KWIK HUS-EZ (KH-EZ) 3/8" Screw In Anchor (Note 2)	Item 418057 KH-EZ 3/8" (Note 2)	4
3	McMaster-Carr Zinc-Plated Steel Oversized Washer for 1/4" Screw Size	McMaster-Carr ID: 91117A207	4

4

REV/DATE: FILE NAME: Y:\Shared\Legacy\US\Spec\Proj\2016 and Beyond\Room\1MW02022\1modular_and_grouping\Working\Title_1_updated_Phone_Booth_and_grouping\Drawings\AutoCAD\SAD001.dwg LAYOUT NAME: Sheet_1_1 PLOTTED: Wednesday, August 31, 2022 - 2:34pm

REV/DAT: FILE NAME: Y:\Shared\Legacy\US\US\Proj\2016 and Beyond\Room\MM02221_modular_anchorages\Drawings\AutoCAD\SAD001.dwg LAYOUT NAME: Sheet_L2 PLotted: Wednesday, August 31, 2022 - 2:58pm

DESIGN NOTES:

The values listed below are defined for a conservative analysis of an architectural component per ASCE 7-16, Chapter 13.

- | | |
|----------------------------------------------------|------------------------------------------|
| 1. Risk category: | I or II |
| 2. Seismic design category: | F (see explanation above) |
| 3. Seismic importance factor: I_e = | 1.0 |
| 4. Mapped Spectral Accelerations | |
| 4.1. S_a = | 3.21g |
| 4.2. S_b = | Not used |
| 6. Soil Class: | D (unknown by ASCE 7-16, Section 11.4.3) |
| 7. Soil Class Coefficients: | |
| 7.1. F_a = | 1.2 |
| 7.2. F_v = | Not used |
| 8. 5% Damped Design Spectral Response Acceleration | |
| 8.1. S_{DS} = | 2.57g |
| 8.2. S_{D1} = | Not used |
| 9. Component Response modification: | |
| 9.1. a_g = | 1.0 |
| 9.2. R_c = | 2.5 |
| 9.3. Ω_o = | 2.0 |

GENERAL

- Typical details and sections shall apply where specific details are not shown.
- The contractor shall verify all site conditions and dimensions. If the actual conditions differ from those shown in the contract drawings, the contractor shall immediately notify the architect/engineer/manufacturer before proceeding with the fabrication, construction or installation of any affected elements.
- Omissions or conflicts between the contract drawings and/or specifications shall be brought to the attention of the architect/engineer/manufacturer before proceeding with any changes, substitutions or modifications. Any work done by the contractor before receiving written approval will be at contractor risk.

POST-INSTALLED ANCHORS

- Do not install mechanical anchors or screw anchor in concrete less than 7 days old. Contractor must obtain written approval from the engineer to install prior this time period. Do not apply full load to anchors until concrete has reached 28-day compression strength.
- Anchors specified in details shall be provided; alternative anchors may be used if the contractor provides calculations demonstrating that the alternative can achieve the performance values of the specified product.
- Follow the manufacturer's recommendations and certification testing reports for anchor installation.
- No anchor shall be installed within 1.5 anchor rod diameters of an abandoned hole that has been filled with non-shrink grout; increase distance to 3 anchor rod diameters.
- For concrete, the mechanical anchor shall be Kwik Bolt HUS-EZ (KH-EZ) 3/8" Screw-in anchor (ICC-ES ESR-3027) by Hilti Inc (structural engineer to confirm).

For stand-alone phone booths anchored per SAD001, Sheet 1 that are greater than 6 inches from another booth or another seismically-anchored component, the embedment depth shall be 2 1/2" and the total thread length shall be 3".

For phone booths anchored per SAD004, Sheet 1 that are less than 6 inches from another booth or another seismically-anchored component, the embedment depth shall be 3 1/4" and the total thread length shall be 3 1/2".

- The anchors shall be installed at a minimum distance of 6 inches from the reinforced concrete slab edges.
- The reinforced concrete slab shall be a minimum of 5 inches thick and constructed of structural reinforced concrete (may be cracked or uncracked) with a compressive concrete strength of at least 2500 psi.

Spacing requirements:

- Minimum spacing of 32 inches between the outermost base M6 screws.
- Minimum distance of 2.5 inches between the top of reinforced concrete slab and base of M6 screws.

- See SAD004, Note #5 for spacing requirements between ROOM phone booths and other anchored components.

POST-INSTALLED ANCHORS INSPECTIONS

ITEM FOR VERIFICATION & INSPECTION	INSPECTION FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
Post Installed Anchors and Reinforcing Bars (2018 IBC Table 1705.3)			
Mechanical Anchors and Screw Anchors	-	X	Special inspection shall be provided per manufacturer's requirements and approved ICC-ES report noted in POST-INSTALLED ANCHOR section above prior to installation of mechanical or screw anchors.

- Reference Code is ACI 318-14

(cont.)

(Continued)

- Specific requirements for special inspection shall be included in the research report for the anchor issued by an approved source in accordance with 17.8.2 in ACI 318, or other qualification procedures. Where specific requirements are not provided, special inspection requirements shall be specified by the registered design professional and shall be approved by the building official prior to the commencement of the work.

- The special inspector must be registered by the City of San Diego, Development Services, in the category of work required to have special inspection.
- The construction material testing laboratory must be approved by the City of San Diego, Development Services, for testing of materials, systems, components, and equipment.
- The special inspections identified on plans are, in addition to, and not a substitute for, those inspections required to be performed by a City's building inspector.

NOTICE TO THE APPLICANT / OWNER / OWNER'S AGENT / ARCHITECT or ENGINEER OF RECORD

- By using this permitted construction drawings for the construction/installation of the work specified herein, you agree to comply with the requirements of the City of San Diego for special inspections, structural observations, construction material testing, and off-site fabrication of building components, contained in the statement of special inspections and as required by the California construction codes.

NOTICE TO THE CONTRACTOR / BUILDER / INSTALLER / SUB-CONTRACTOR / OWNER-BUILDER

- By using this permitted construction drawings for the construction/installation of the work specified herein, you acknowledge and are aware of, the requirements contained in the statement of special inspections. You agree to comply with the requirements of the City of San Diego for special inspections, structural observations, construction materials testing, and off-site fabrication of building components, contained in the statement of special inspections and, as required by the California construction codes.



4	Differentiate Between Stand-Alone Booths and Grouped Booths	08/31/2022
3	Post-Installed Anchors note 8.3 updated	04/16/2020
2	Time of seal & design note 9 updated	03/10/2020
1	Notes added	08/21/2019
0	Original Issue	07/19/2019
NO.	REVISION	DATE

KEY PLAN

SEAL



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PROJECT

ROOM
SEISMIC ANCHORAGE
DESIGN

ADDRESS

Not Applicable

PROJECT NO

1CMH00001.000

DATE

08/31/2022

DESIGN

MLW

DRAWN BY

MLW

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HAY

SCALE

See on views, details, and sections when applicable.

TITLE

SEISMIC ANCHORAGE
DETAILS

NUMBER

SAD001

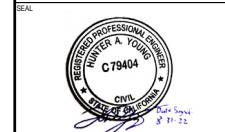
SHEET

2 of 2



1	Differentiate Between Stand-Alone Booths and Grouped Booths	08/31/2022
0	Original Issue	10/11/2019
NO.	REVISION	DATE

KEY PLAN



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PROJECT
**ROOM
SEISMIC ANCHORAGE
DESIGN**

ADDRESS
Not Applicable

PROJECT NO
1CMH00001.002

DATE
08/31/2022

DESIGN
MLW

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HAY

SCALE
See on views, details, and sections when applicable.

TITLE
**SLAB ON METAL DECK
ANCHORAGE DESIGN**

NUMBER
SAD003

SHEET
1 of 1

GENERAL NOTES:

- THIS DESIGN IS BASED ON THE IBC 2018 AND CBC 2019.
- THIS DESIGN ONLY COVERS THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUCTURE.
- PRODUCT: ROOM BOOTH
 - HAS AT LEAST FOUR (4) ATTACHMENTS AS DESCRIBED/DEPICTED HEREIN.
 - WEIGHT IS NO GREATER THAN 500 LBS.
 - CENTER OF GRAVITY THAT IS NO GREATER THAN 48".
- SEISMIC DESIGN CRITERIA:
 - INPUT: $S_{DS}=2.57g$, $z/h=1.0$, $I_p=1.0$, $a_p=1.0$, $R_p=2.5$, $\Omega_0=2.00$
- STEEL MATERIALS:
 - BOLTS AND SCREWS SHOULD BE 316 STAINLESS STEEL OR EQUIVALENT WITH MATCHING WASHERS AND NUTS.
 - STRUCTURAL MEMBERS SHOULD BE A36 STEEL OR EQUIVALENT.
- CONCRETE SLAB ON METAL DECK:
 - CONCRETE SHALL NW OR LW SAND WITH 3000 PSI MINIMUM STRENGTH
 - STEEL DECK SHALL HAVE A MAX OF 3" DEEP FLUTES AND 16 GA MIN
 - CONCRETE FILL ABOVE STEEL DECK SHALL BE AT LEAST 2.5" DEEP
- POST-INSTALLED CONCRETE ANCHORS
 - ANCHORS SHALL BE HILTI KB-TZ (ESR-1917) EXPANSION ANCHORS 3/8" DIAMETER X 2" EFFECTIVE EMBEDMENT
 - ANCHORS SHALL HAVE MIN CONCRETE THICKNESS OF 3.25", MIN EDGE DISTANCE OF 2.5", AND MIN SPACING OF 2.5" WITH 25 FT-LBS INSTALLATION TORQUE.
- BOLTS THROUGH CONCRETE ON METAL DECK:
 - BOLTS SHALL BE TORQUED BY 3/4 TURN OF THE NUTS THE SNUG TIGHT CONDITION IS MET. SNUG TIGHT IS DEFINED AS THE TIGHTNESS REQUIRED TO BRING THE CONNECTED PLIES INTO FIRM CONTACT.
 - THROUGH BOLT HOLES SHALL BE 1/16" LARGER THAN THE BOLT SIZE FOR CONCRETE
 - THROUGH BOLTS IN CONCRETE SHALL RECEIVE SPECIAL INSPECTION AND TESTING

POST INSTALLED CONCRETE ANCHORS:

- PERIODIC SPECIAL INSPECTION SHALL BE IN ACCORDANCE WITH CBC 2019 SECTION 1705A AND TABLE 1705A.3 INCLUDING VERIFICATION OF 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.
- FOLLOW THE PROVISIONS OF THE CBC 2019 SECTION 1913A.7.2 BY CONFIRMING THE INSTALLATION TORQUE SPECIFIED BY THE MANUFACTURER.
- TESTING IS NOT TO OCCUR UNTIL A MINIMUM OF 24 HOURS HAS ELAPSED AFTER THE INSTALLATION OF THE SUBJECT ANCHORS. TESTING SHALL BE DONE IN THE PRESENCE OF THE SPECIAL INSPECTOR. TEST 50% OF THE ANCHORS FOR EACH PIECE OF EQUIPMENT. USING A CALIBRATED TORQUE WRENCH VERIFY THE INSTALLATION TORQUE IS OBTAINED WITHIN 1/2 TURN OF THE NUT. A REPORT OF TEST RESULTS IS TO BE SUBMITTED TO THE ENFORCEMENT AGENCY. THE SEOR SHALL PROVIDE REMEDIAL ANCHORAGE DETAILS IN THE EVENT THAT AN ANCHOR FAILS TO MEET THE TEST REQUIREMENTS..
- EXERCISE DUE CARE WHEN DRILLING POST-INSTALLED ANCHORS TO AVOID DAMAGING CONCRETE REINFORCEMENT OR TENDONS.
- PROVIDE FULL ENGAGEMENT OF NUT AND WASHER.

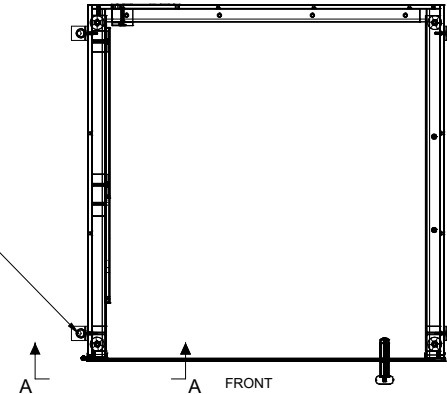
RESPONSIBILITIES OF THE APPLICANT / OWNER / OWNER'S AGENT / ARCHITECT OR ENGINEER OF RECORD:

- CONFIRM THE MINIMUM REQUIREMENTS FOR THE CONCRETE SLAB ARE MET.
- PROVIDE A PLAN FOR INSPECTION OF SUPPORTS AND ATTACHMENTS AND VERIFY IT'S IMPLEMENTATION.
- VERIFY THAT THE EXISTING STRUCTURE IS ADEQUATE FOR THE IMPOSED DEAD, LATERAL AND TENSION FORCES SHOWN IN ADDITION TO ALL OTHER LOADS.
- VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH CBC 2019.
- VERIFY THAT THE PROJECT SPECIFIC S_{DS} AND Z/H VALUES RESULT IN SEISMIC FORCES THAT DO NOT EXCEED THE VALUES SHOWN IN THESE DETAILS.
- BY USING THIS PERMITTED CONSTRUCTION DRAWINGS FOR THE CONSTRUCTION/INSTALLATION OF THE WORK SPECIFIED HEREIN, YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIAL TESTING, AND OFF-SITE FABRICATION OF BUILDING COMPONENTS, CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND AS REQUIRED BY THE CALIFORNIA CONSTRUCTION CODES.

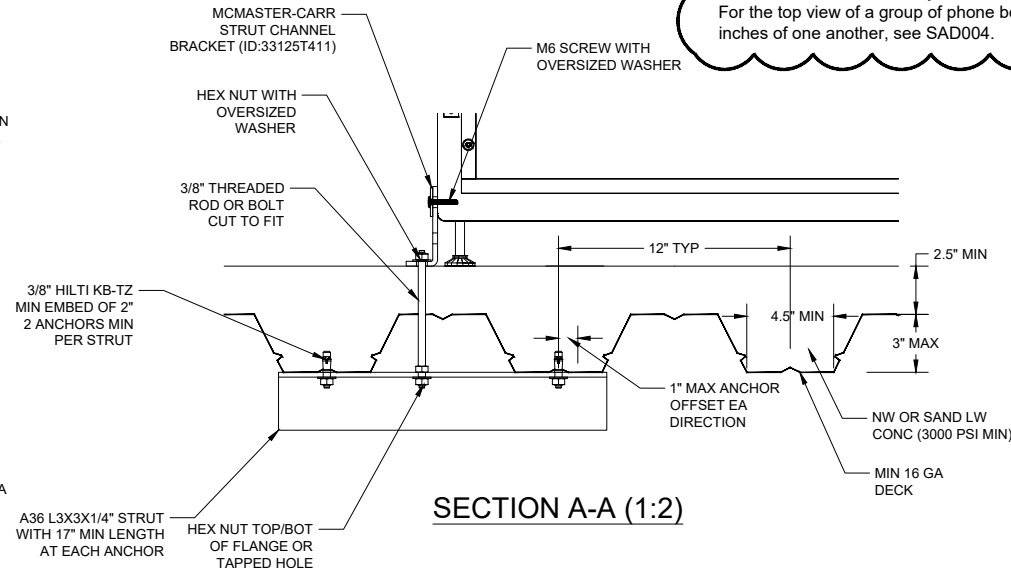
RESPONSIBILITIES OF THE CONTRACTOR / BUILDER / INSTALLER / SUB-CONTRACTOR / OWNER-BUILDER:

- BY USING THIS PERMITTED CONSTRUCTION DRAWINGS FOR THE CONSTRUCTION/INSTALLATION OF THE WORK SPECIFIED HEREIN, YOU ACKNOWLEDGE AND ARE AWARE OF, THE REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS. YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIALS TESTING, AND OFF-SITE FABRICATION OF BUILDING COMPONENTS, CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND, AS REQUIRED BY THE CALIFORNIA CONSTRUCTION CODES.

TYP SECTION FOR
ALL FOUR ANCHORS



PLAN (1:8)*



SECTION A-A (1:2)

MATERIALS FOR EACH ANCHOR (FOUR TOTAL) ARE
SPECIFIED IN SECTION A-A IN LIEU OF A BILL OF
MATERIALS TABLE

0	Original Issue	08/31/2022
NO.	REVISION	DATE

KEY PLAN



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PROJECT
**ROOM
SEISMIC ANCHORAGE
DESIGN**

ADDRESS
Not Applicable

PROJECT NO.
1CMH00001.000

DATE
8/31/2022

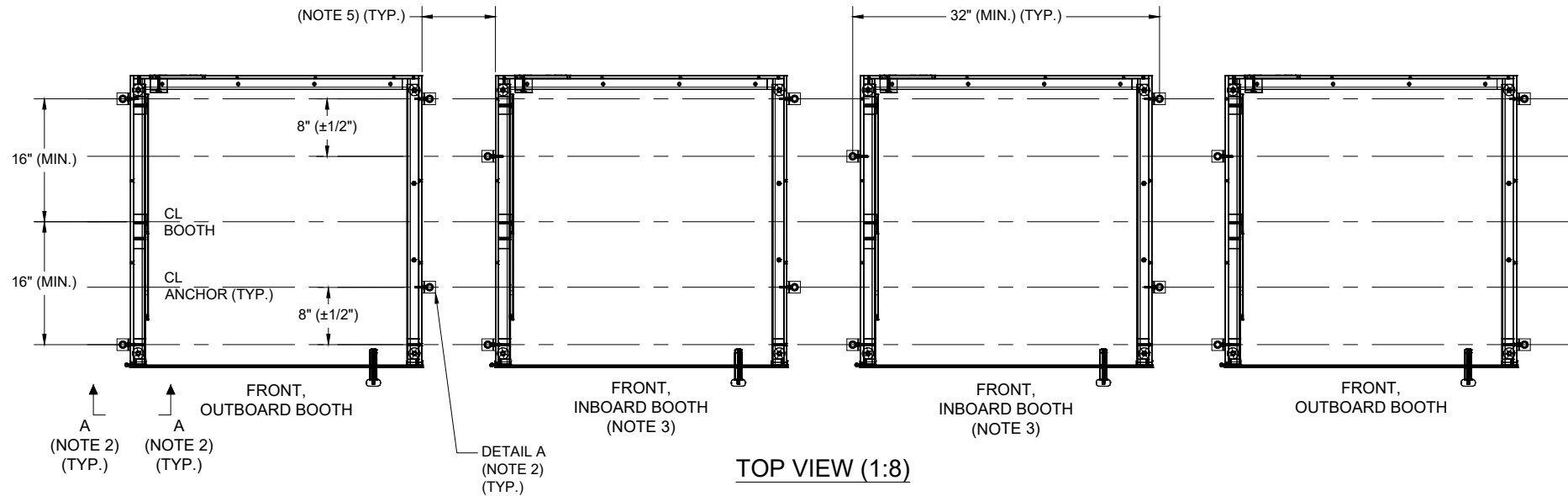
DESIGN MLW	DRAWN BY MLW	CHECKED BY HAY
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SCALE
See on views, details, and sections when applicable.

TITLE
**SEISMIC ANCHORAGE
DETAILS - GROUPED
PHONE BOOTHS**

NUMBER
SAD004

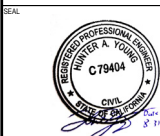
SHEET
1 of 1



NOTES

1. This top view pertains to phone booths that are within 6 inches of other phone booths or other seismically-anchored components.
2. Refer to Sheet 1, Detail A and Section A-A on the following drawing series:
 - 2.1. For concrete floors greater than 5 inches thick:
 - 2.1.1. For slotted brackets: SAD001
 - 2.1.2. For standard brackets: SAD002
 - 2.2. For concrete-steel composite decks less than 5 inches thick (Section A-A only): SAD003
 - 2.3. For wood decks: SAD005
3. The number of inboard booths within a row of booths is not limited.
4. Refer to the following drawing sheets for relevant installation notes:
 - 4.1. For concrete floors greater than 5 inches thick:
 - 4.1.1. For slotted brackets: SAD001, Sheet 2
 - 4.1.2. For standard brackets: SAD002, Sheet 2
 - 4.2. For concrete-steel composite decks less than 5 inches thick: SAD003, Sheet 1
 - 4.3. For wood decks: SAD005, Sheet 2
5. Minimum spacing:
 - 5.1. From a ROOM phone booth to another ROOM phone booth: 2 inches from booth face to booth face for structural engineering purposes. Consider a larger spacing to accommodate installation as necessary.
 - 5.2. From a ROOM phone booth to an anchored component that is not a ROOM phone booth: the greater of 3 inches or the spacing required by the design of the neighboring component's anchorage (from anchor center-to-anchor center) for structural engineering purposes. Consider a larger spacing to accommodate installation as necessary.

0	Original Issue	08/31/2022
NO.	REVISION	DATE



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PROJECT
**ROOM
SEISMIC ANCHORAGE
DESIGN**

ADDRESS
Not Applicable

PROJECT NO.
1CMH00001.000

DATE
8/31/2022

DESIGN
MLW

DRAWN BY
MLW

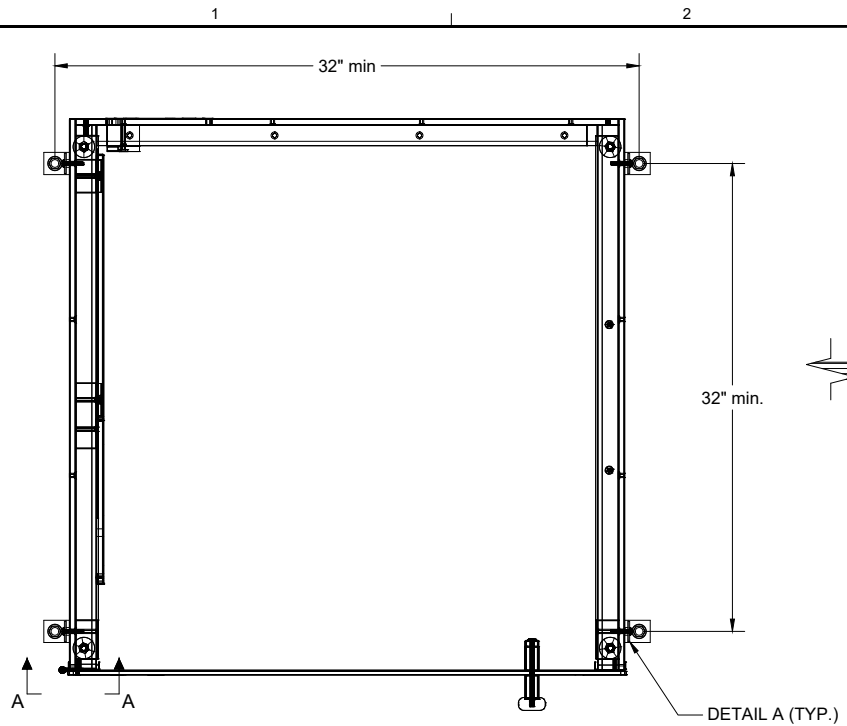
CHECKED BY
HAY

SCALE
See on views, details, and sections when applicable.

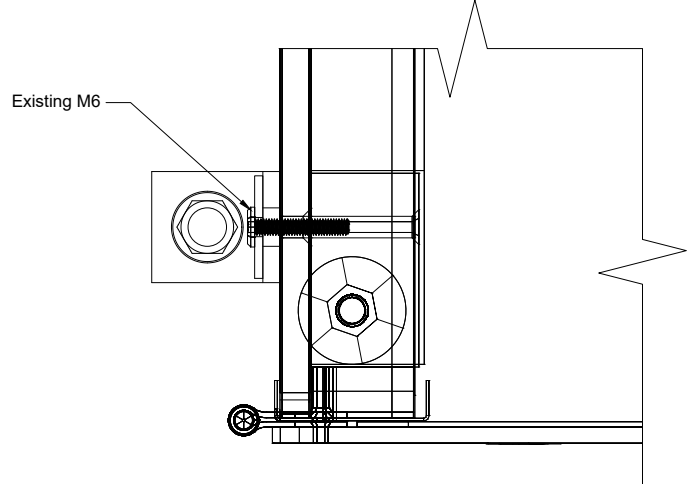
TITLE
**SEISMIC ANCHORAGE
DETAILS - WOOD DECKS**

NUMBER
SAD005

SHEET
1 of 2



TOP VIEW (1:5)
(Note 1)



DETAIL A (1:1)

EXIST.
WOOD DECK

EXIST. FLOOR
JOIST (TYP.)

1
3
4
2
5
6 (TYP.)
(Note 3)

SECTION A-A (TYP.) (1:2)
(Note 2)

NOTES

1. This top view pertains to stand-alone phone booths that are greater than 6 inches from other phone booths and other seismically-anchored components. For the top view of a group of phone booths within 6 inches of one another, see SAD004.
2. Rotate joist orientation with respect to the booth orientation as necessary.
3. Connect Item #5 to existing floor joists in a toe-nail manner per "Wood Screws" Note #5 on SAD005, Sheet 2.

BILL OF MATERIALS (PER BOOTH)			
ID	ITEM	Spec.	Quant.
1	Phoenix L41 - 2 Hole 4-7/8" Adjustable Corner Angle	ASTM A1011 Gr. 33	4
	OR McMaster-Carr Strut Channel Bracket	McMaster-Carr ID: 33125T411	4
2	McMaster-Carr Hex Head Screw for Wood, Zinc-Plated Steel, 5/16" Size, 5" Long	McMaster-Carr ID: 91478A603	4
3	McMaster-Carr Zinc-Plated Steel Oversized Washer for 1/4" Screw Size	McMaster-Carr ID: 91117A207	4
4	Zinc-Plated Steel Oversized Washer for 3/8" Screw Size, 0.406" ID, 1.25" OD	McMaster-Carr ID: 91090A121	4
5	Southern Pine Lumber, 4"x6" (nom.), length cut to suit, 48" length max.	Visually-graded No. 3 / Stud (or greater)	4
6	Zinc-Plated Steel Phillips Flat Head Screw for Wood, No. 6 Size, 2.50" Long	By Owner	16

DESIGN NOTES:

The values listed below are defined for a conservative analysis of an architectural component per ASCE 7-16, Chapter 13.

- | | | |
|------|-------------------------------------------------|------------------------------------------|
| 1. | Risk category: | I or II |
| 2. | Seismic design category: | F (see explanation above) |
| 3. | Seismic importance factor: I_a | 1.0 |
| 4. | Mapped Spectral Accelerations | |
| 4.1. | S_a | 3.21g |
| 4.2. | S_1 | Not used |
| 6. | Soil Class: | D (unknown by ASCE 7-16, Section 11.4.3) |
| 7. | Soil Class Coefficients: | |
| 7.1. | F_a | 1.2 |
| 7.2. | F_v | Not used |
| 8. | 5% Damped Design Spectral Response Acceleration | |
| 8.1. | S_{DS} | 2.57g |
| 8.2. | S_{D1} | Not used |
| 9. | Component Response modification: | |
| 9.1. | a_p | 1.0 |
| 9.2. | R_p | 2.5 |
| 9.3. | Ω_p | 2.0 |

GENERAL

1. Typical details and sections shall apply where specific details are not shown.
2. The contractor shall verify all site conditions and dimensions. If the actual conditions differ from those shown in the contract drawings, the contractor shall immediately notify the architect/engineer/manufacturer before proceeding with the fabrication, construction or installation of any affected elements.
3. Omissions or conflicts between the contract drawings and/or specifications shall be brought to the attention of the architect/engineer/manufacturer before proceeding with any changes, substitutions or modifications. Any work done by the contractor before receiving written approval will be at contractor risk.

LIMITATIONS

The design with these drawings is limited to the following conditions:

1. The affected floors have been designed for a live load of at least 50 lbs. per sq. ft., with no live load reduction used at the affected locations.
2. The structures to which the booths are anchored are limited to a maximum operating temperature of 100°F.
3. The wood decking is a minimum of 1/2" thick.
4. The wood decking and supporting members are limited as follows:
 - 4.1. Moisture content less than 19% at the time of fabrication.
 - 4.2. Moisture content less than 19% during in-service life.
 - 4.3. Specific gravity of at least 0.35.
 - 4.4. Floor joists are spaced no more than 48" center-to-center.
 - 4.5. Anchors are at least 6 inches from any floor edge.

LAG SCREWS

1. Installation instructions are per AWC NDS 2018, Section 12.1.4 U.N.O.
2. Drill a shank clearance hole with a diameter of 3/8" and a total depth (into plywood decking plus lumber block) of 1 3/4".
3. Drill a threaded portion clearance hole with a diameter of 5/16".
4. Lag screws shall be installed via a wrench, not a hammer.
5. The use of soap or other lubricants on the lag screws to aid installation is permitted. Anchors specified in details shall be provided; alternative anchors may be used if the contractor provides calculations demonstrating that the alternative can achieve the performance values of the specified product.

WOOD SCREWS

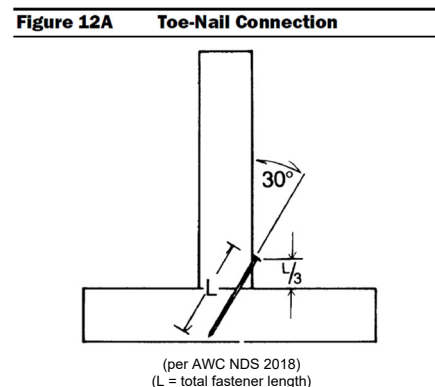
1. Installation instructions are per AWC NDS 2018, Section 12.1.4 U.N.O.
2. Drill a lead hole with a diameter of 1/8".
3. Lag screws shall be installed via a screw driver or similar turning tool, not a hammer.
4. The use of soap or other lubricants on the lag screws to aid installation is permitted. Anchors specified in details shall be provided; alternative anchors may be used if the contractor provides calculations demonstrating that the alternative can achieve the performance values of the specified product.
5. Toe-nail connections are installed per AWC NDS 2018, Figure 12A (reproduced on this drawing).

NOTICE TO THE APPLICANT / OWNER / OWNER'S AGENT / ARCHITECT or ENGINEER OF RECORD

1. By using this permitted construction drawings for the construction/installation of the work specified herein, you agree to comply with the requirements of the City of San Diego for special inspections, structural observations, construction material testing, and off-site fabrication of building components, contained in the statement of special inspections and as required by the California construction codes.

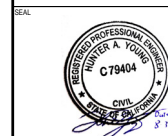
NOTICE TO THE CONTRACTOR / BUILDER / INSTALLER / SUB-CONTRACTOR / OWNER-BUILDER

1. By using this permitted construction drawings for the construction/installation of the work specified herein, you acknowledge and are aware of, the requirements contained in the statement of special inspections. You agree to comply with the requirements of the City of San Diego for special inspections, structural observations, construction materials testing, and off-site fabrication of building components, contained in the statement of special inspections and, as required by the California construction codes.




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0	Original Issue	08/31/2022
NO.	REVISION	DATE



IT IS A VIOLATION OF STATE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ENGINEER, TO ALTER THIS DRAWING IN ANY WAY. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

PROJECT

ROOM
SEISMIC ANCHORAGE
DESIGN

ADDRESS	Not Applicable
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PROJECT NO	1CMH00001.000
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DATE 01/04/2000

DESIGN	DRAWN BY
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MJW	MJW
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See on views, details, and sections when applicable.

TITLE	SEISMIC ANCHORAGE DETAILS - WOOD DECKS
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NUMBER
SAD005

SHEET 2 of 2