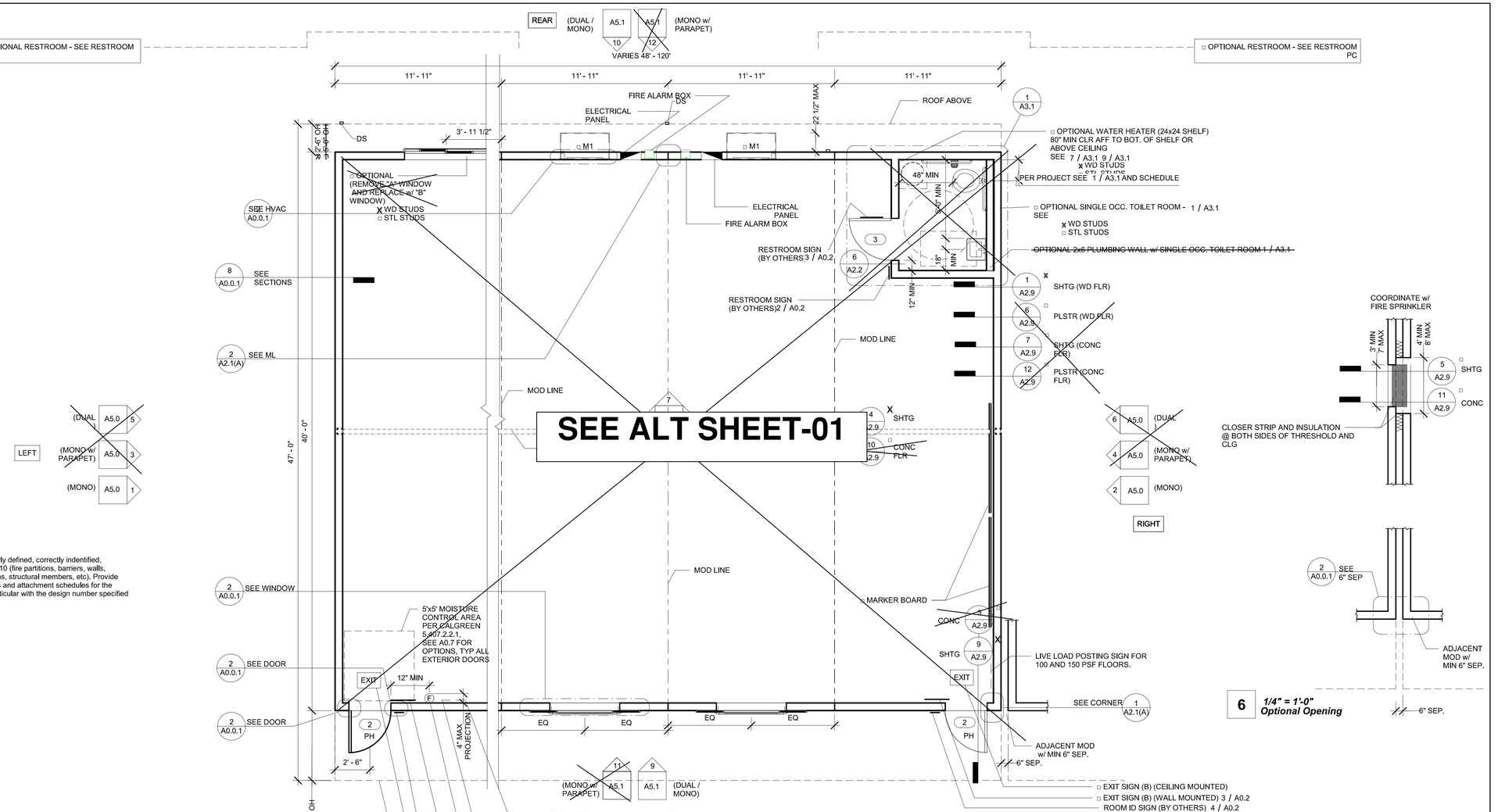


1 *1/4" = 1'-0"*
48x40 thru 120x40

6 *1/4" = 1'-0"*
Optional Opening

All rated construction (both vertical and horizontal) must be clearly defined, correctly indentified, detailed, and listed in accordance with CBC Chapters 3,5,7 and 10 (fire partitions, barriers, walls, shaft, egress protection, ceilings, opening protection, penetrations, structural members, etc). Provide and cross-reference installation details, including all components and attachment schedules for the fire-resistive materials to the framing. Shall conform in every particular with the design number specified

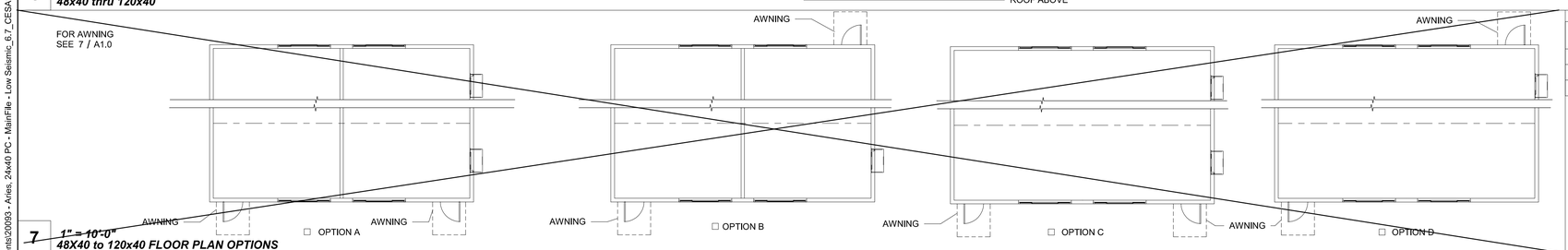
SECTION 915
CARBON MONOXIDE DETECTION

915.4 Carbon monoxide alarms. Carbon monoxide alarms shall comply with Sections 915.4.1 through 915.4.4.

[F] 915.4.1 Power source. Carbon monoxide alarms shall receive their primary power from the building wiring where such wiring is served from a commercial source, and when primary power is interrupted, shall receive power from a battery. Wiring shall be permanent and with-out a disconnecting switch other than that required forovercurrent protection.

915.2.3 Group E occupancies. Carbon monoxide detection shall be installed in classrooms in Group E occu-pancies. Carbon monoxide alarm signals shall be automat-ically transmitted to an on-site location that is staffed byschool personnel.

915.3 Detection equipment. Carbon monoxide detection required by Sections 915.1 through 915.2.3 shall be provided by carbon monoxide alarms complying with Section 915.4 or carbon monoxide detection systems complying with Section 915.5.



7 *1" = 10'-0"*
48X40 to 120x40 FLOOR PLAN OPTIONS

Roofing Schedule

"SLOPE"	EDPM	Standing Seam	Parapet	Notes
Dual	□ A4.2.2	□ A4.0.2	N/A	
Mono	□ A4.2.1	☒ A4.0.1	□ A4.4.1	

Wall Schedule

	Stud Size	Sheet	Notes
☒	Wood Wall Stud	S4.5	
□	Mtl Wall Stud	S4.5	CONTINUOUS EXT R-4 INSULATION AND R-19 BATTING INSULATION FOR BURNING CHARACTERISTIC SEE 3 / A0.1

5 *1/4" = 1'-0"*
Wall Schedule

Fire Rating Schedule

	Rating	Sheet	Notes
□	1 HOUR - SIDING OVER WD STUDS	A2.5	
□	1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.6	
□	1 HOUR - SIDING OVER STL STUDS	A2.7	
□	1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS	A2.8	
□	1 HOUR - LAP SIDING OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS		

SEE A3.0 FOR ADDITIONAL FIRE ASSEMBLY NOTES AND DETAILS

4 *1/4" = 1'-0"*
Fire Rating Schedule

Ext. Finish Schedule

	Finishes	Sheet	Notes
☒	SIDING OVER WD STUDS	A2.1	
□	PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.2	
□	SIDING OVER STL STUDS	A2.3	
□	PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS	A2.4	
□	LAP SIDING OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS		

3 *1/4" = 1'-0"*
Ext. Finish Schedule

HVAC Unit

Keynote	Type	Type Comments
☒ M1	Wall Mounted HVAC	See (M)-Sheets
□ M2	Roof Mounted HVAV	See (M) Sheets

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W Bernardo Court, Suite 100
San Diego, CA 92127
www.rstavares.com

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
48x40 thru 120x40 FLOOR PLAN

PROJECT NUMBER
20093

DRAWN BY
rMc/SC

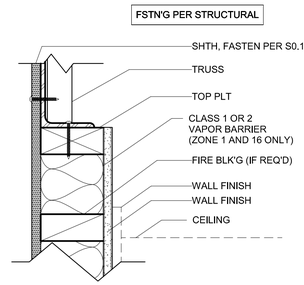
CHECKED BY
RH/RT

DATE
06/07/2021

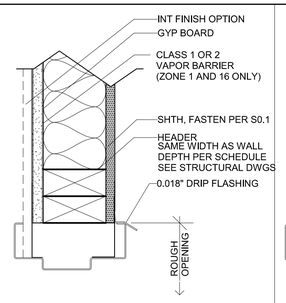
SHEET NO.
A1.2

SHEET OF

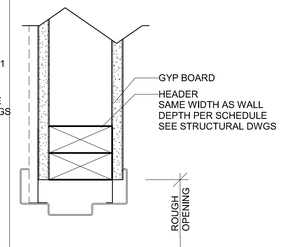
C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6_7_CESAR24D63.rvt
6/8/2021 12:17:17 AM



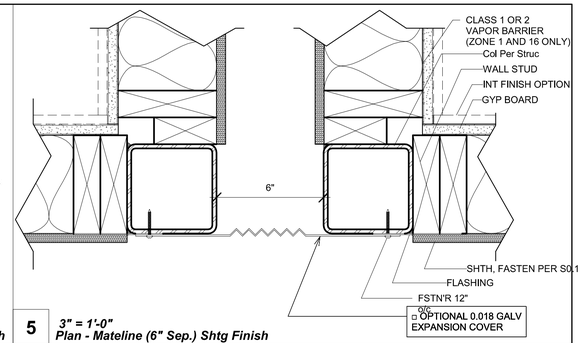
17 *3" = 1'-0"*
Section - Top Plate Shtg Finish



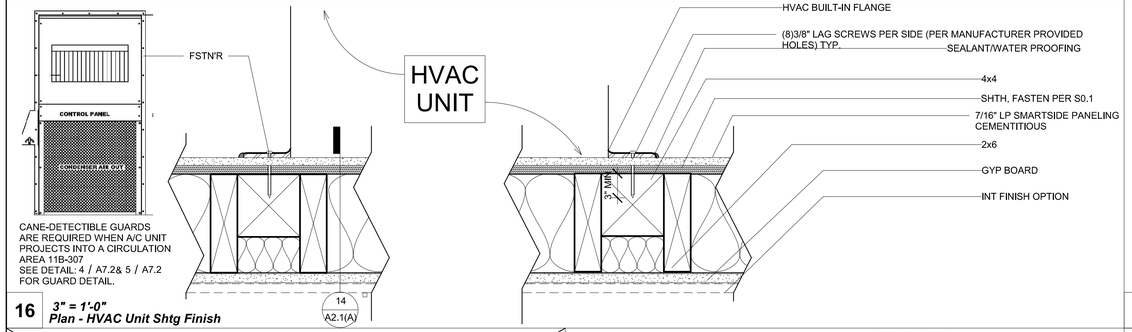
10A *3" = 1'-0"*
Section - Ext Wall Hdr Door Shtg Finish



10B *3" = 1'-0"*
Section - Int Wall Hdr Door Shtg Finish

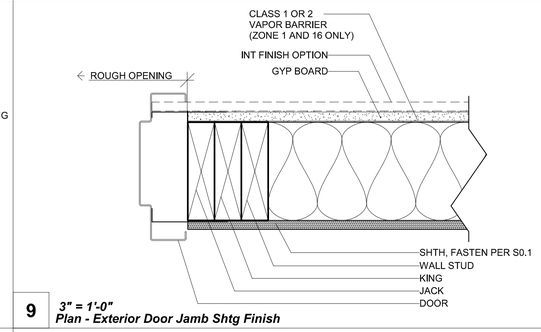


5 *3" = 1'-0"*
Plan - Mateline (6" Sep.) Shtg Finish

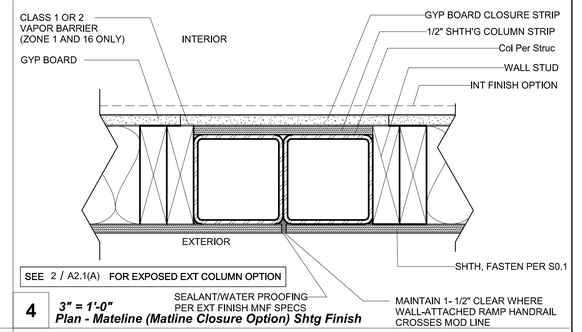


CANE-DETECTIBLE GUARDS ARE REQUIRED WHEN A/C UNIT PROJECTS INTO A CIRCULATION AREA 11B-307
SEE DETAIL: 4 / A7.2& 5 / A7.2 FOR GUARD DETAIL.

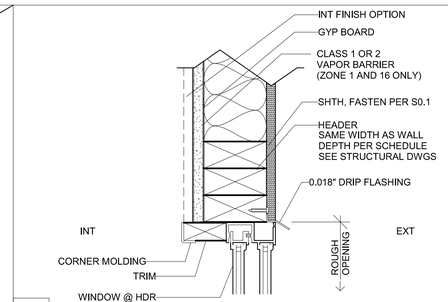
16 *3" = 1'-0"*
Plan - HVAC Unit Shtg Finish



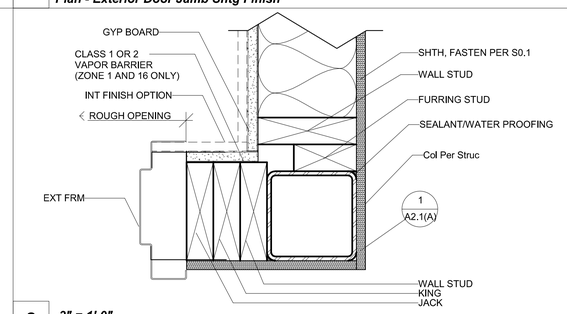
9 *3" = 1'-0"*
Plan - Exterior Door Jamb Shtg Finish



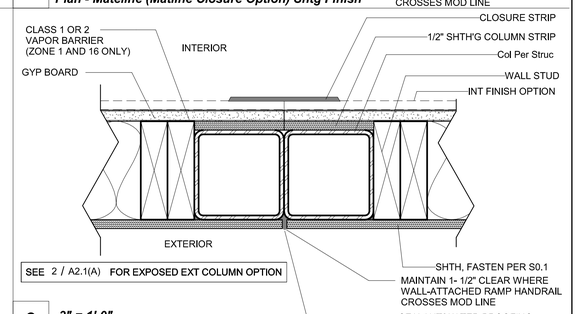
4 *3" = 1'-0"*
Plan - Mateline (Matline Closure Option) Shtg Finish



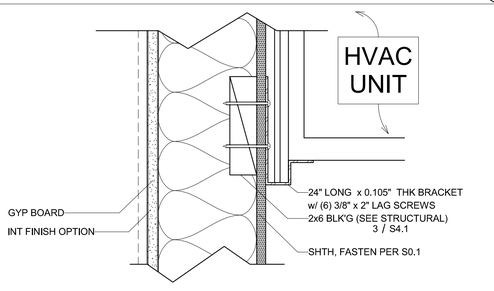
13 *3" = 1'-0"*
Section - Ext Wall Header @ Window Shtg Finish



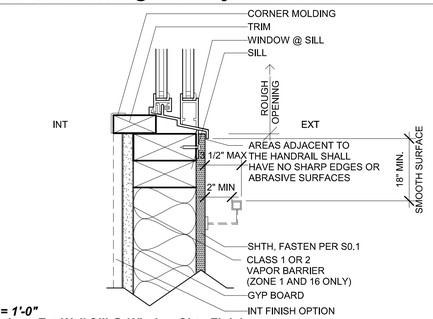
8 *3" = 1'-0"*
Plan - Exterior Door Jamb @ Wall Corner Shtg Finish



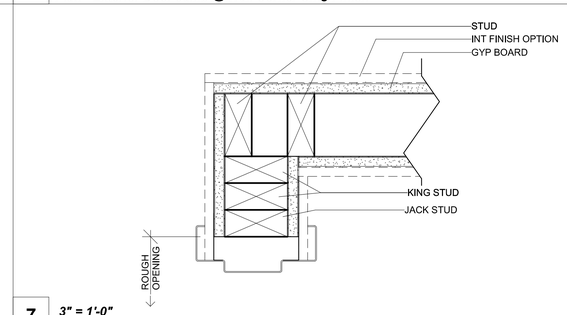
3 *3" = 1'-0"*
Plan - Mateline (Int Closure Strip) Shtg Finish



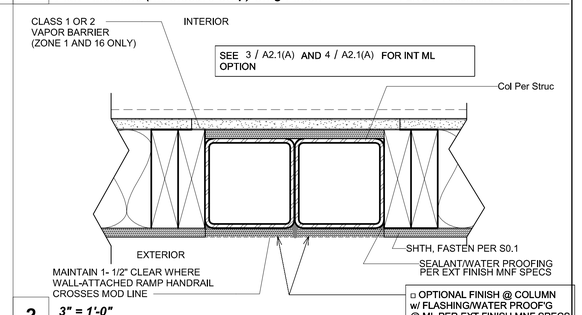
14 *3" = 1'-0"*
Section - Ext Wall @ HVAC Shtg Finish



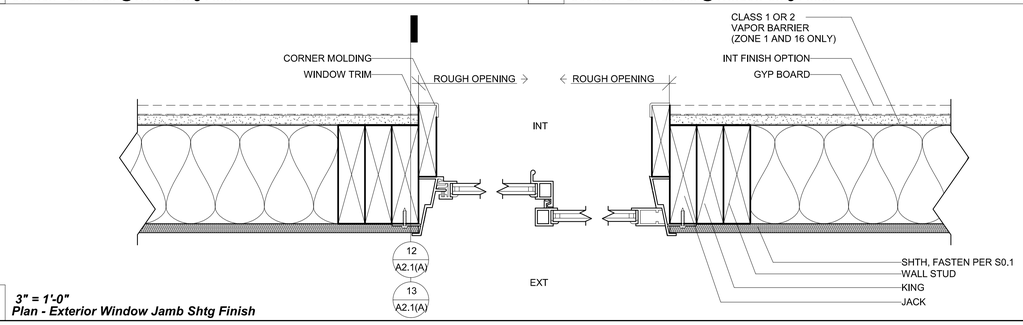
12 *3" = 1'-0"*
Section - Ext Wall Sill @ Window Shtg Finish



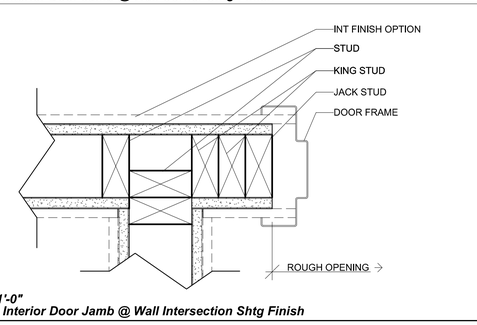
7 *3" = 1'-0"*
Plan - Interior Door Jamb @ Wall Corner Shtg Finish



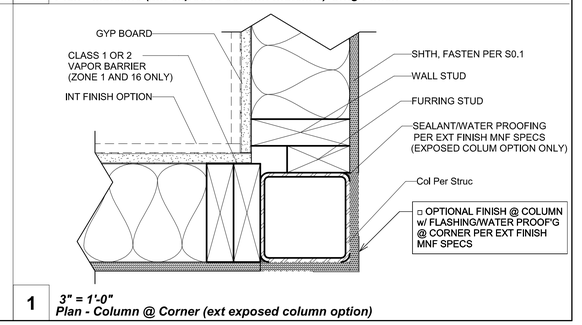
2 *3" = 1'-0"*
Plan - Mateline (ext exposed column mateline) Shtg Finish



11 *3" = 1'-0"*
Plan - Exterior Window Jamb Shtg Finish



6 *3" = 1'-0"*
Plan - Interior Door Jamb @ Wall Intersection Shtg Finish



1 *3" = 1'-0"*
Plan - Column @ Corner (ext exposed column option)

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX/Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE

PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE

ARCHITECTURAL DETAILS (WOOD FRAMING SHTG FINISH)

PROJECT NUMBER

20093

DRAWN BY

rMc/SC

CHECKED BY

RH/RT

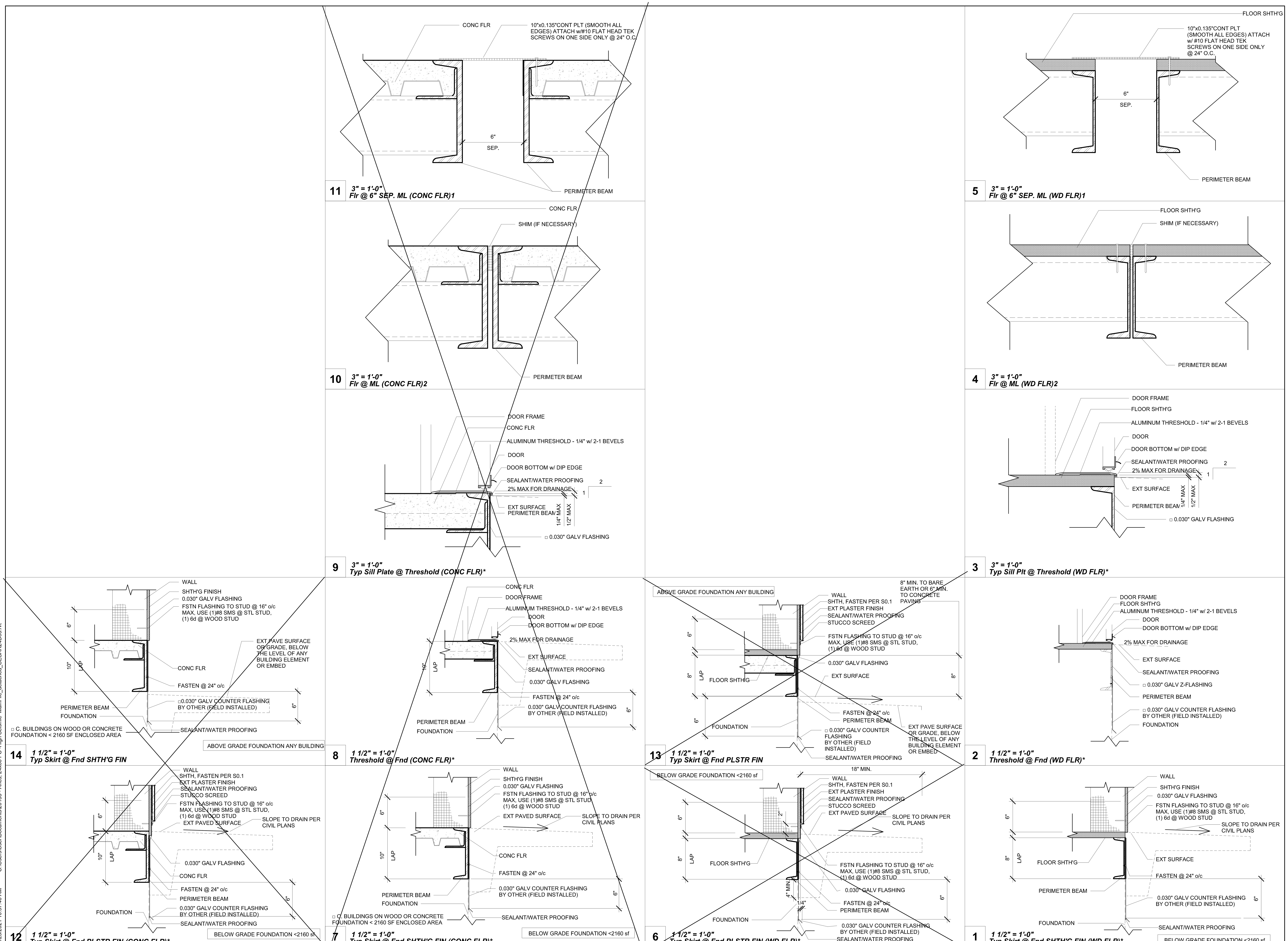
DATE

06/07/2021

SHEET NO.

A2.1(A)

SHEET OF



PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN • CONSULTING • PROJECT MGT
11590 W Bernardo Court, Suite 100
San Diego, CA 92127
www.rstavares.com

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing

1320 W. Oleander Ave. Perris CA 92571-7408
VOICE (951) 943-1908 Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE

PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE

ARCHITECTURAL DETAILS (FLOOR)

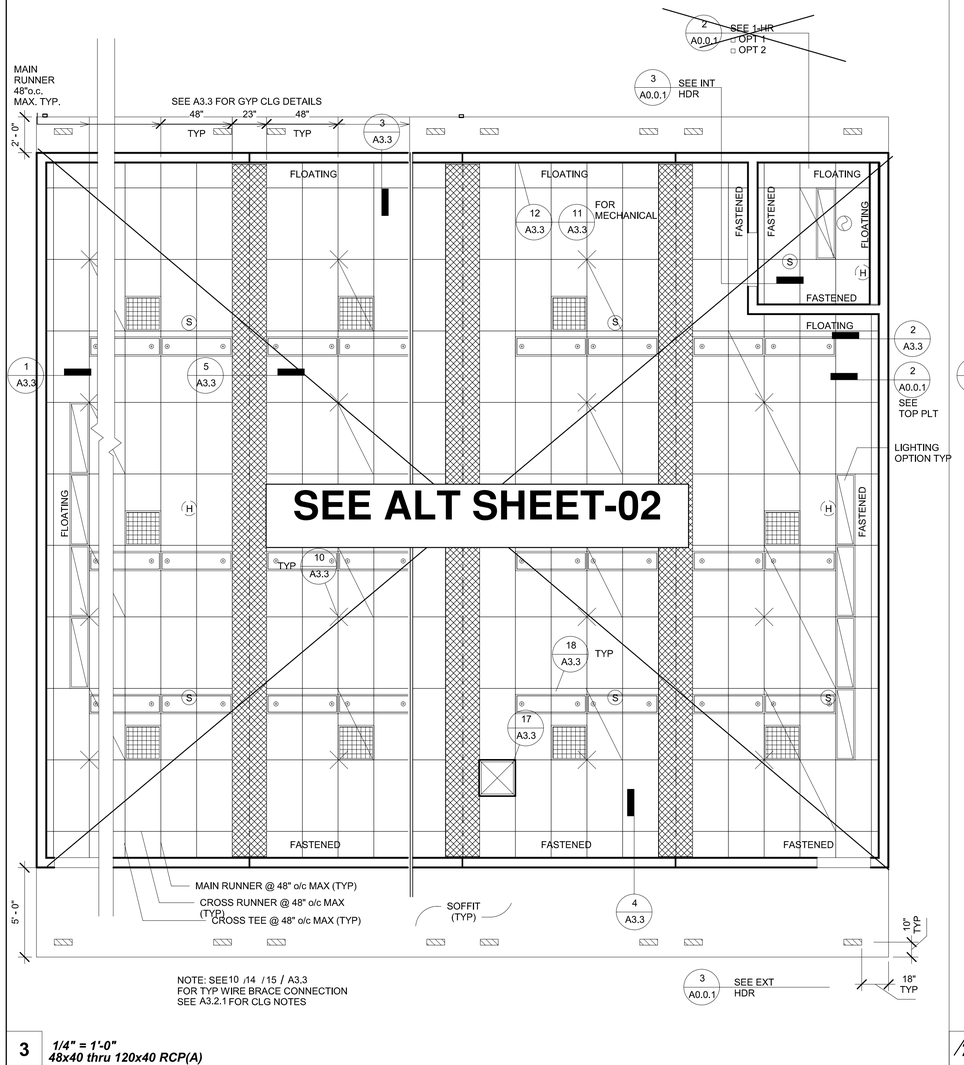
PROJECT NUMBER
20093

DRAWN BY
rMc/SC

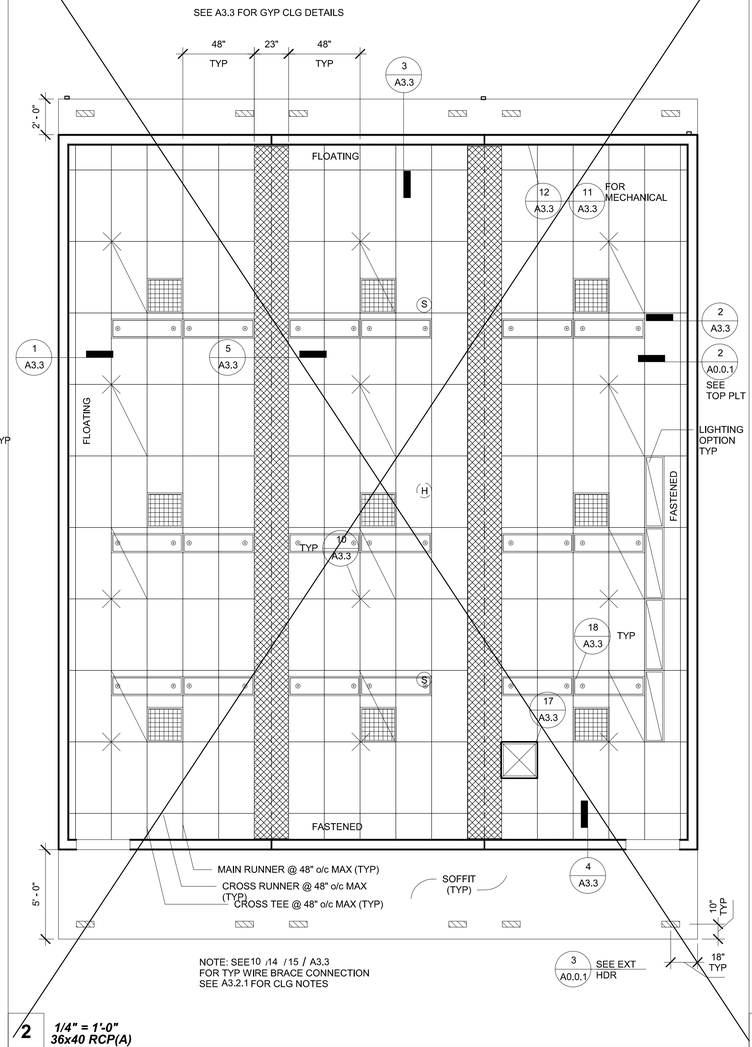
CHECKED BY
RH/RT

DATE
06/07/2021

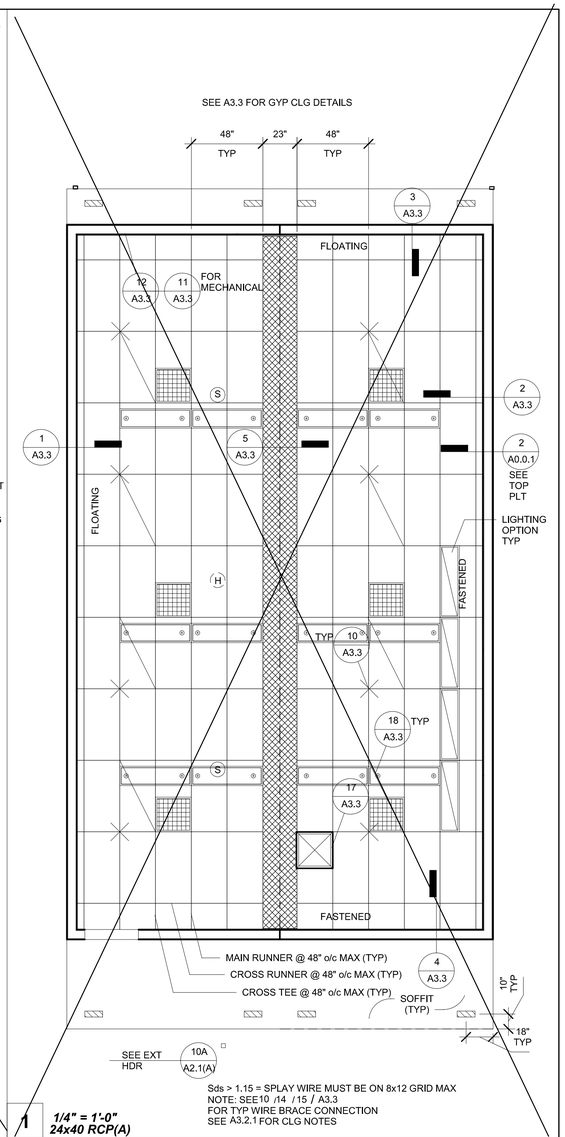
SHEET NO.
A2.9



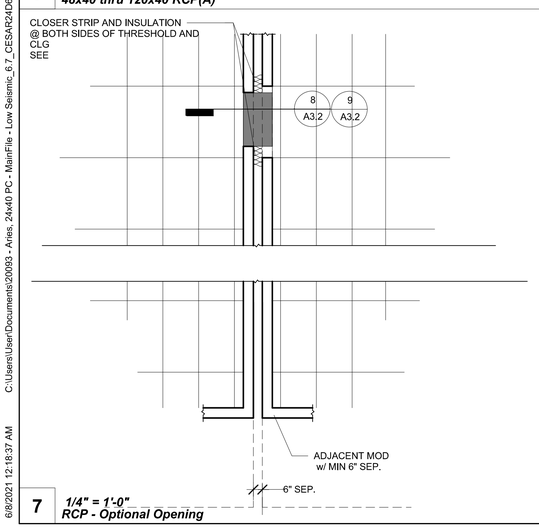
3 *1/4" = 1'-0"*
48x40 thru 120x40 RCP(A)



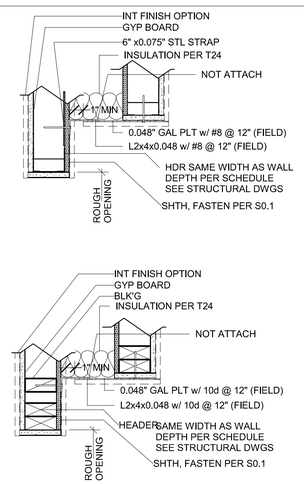
2 *1/4" = 1'-0"*
36x40 RCP(A)



1 *1/4" = 1'-0"*
24x40 RCP(A)



7 *1/4" = 1'-0"*
RCP - Optional Opening

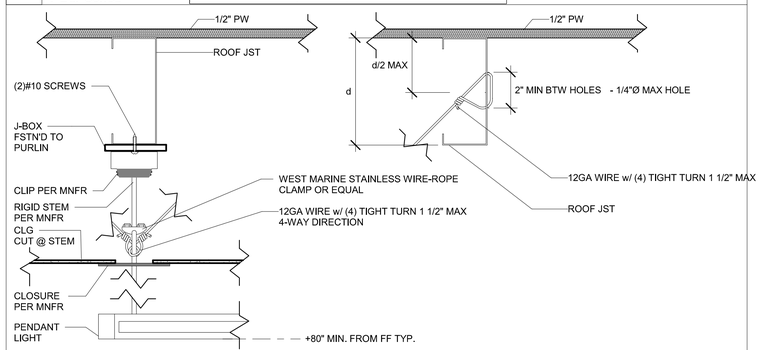


5 *1/4" = 1'-0"*
T-Bar Sched

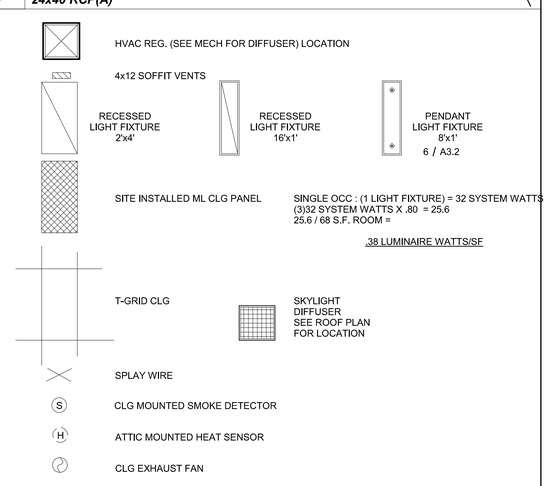
ARMSTRONG #:
PA-041

MAIN RUNNER 7301
4' CROSS T #: XL7341
2' CROSS T #: XL7328

STANDARD 7/8" WALL ANGLE CLIP w/ BERC-2 CLIP (ICC #ESR-1308)
2" WALL ANGLE: 7810 (OPTIONAL)



6 *3" = 1'-0"*
Section - Pendant Mounting Detail



4 *1/4" = 1'-0"*
RCP Legend

C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6.7_CESAR24D63.rvt
6/8/2021 12:18:37 AM

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
RCP

PROJECT NUMBER
20093

DRAWN BY
rMc/SC

CHECKED BY
RH/RT

DATE
06/07/2021

SHEET NO.
A3.2

SHEET OF

1. CEILING SYSTEM GENERAL NOTES:

1.01 Ceiling system components shall comply with ASTM C635-07 and Section 5.1 of ASTM E580-10a.

1.02 The ceiling grid system must be rated heavy duty as defined by ASTM C635-08.

1.03 Ceiling systems. The following ceiling system(s) is/are part of the scope of this project: ***[For each system used, the RDP shall indicate in the construction documents, the information that follows]***

Manufacturer's Name ARMSTRONG
Product Evaluation Report Type and Number PA-041
Manufacturer's Model Number - main runner 7301
Manufacturer's catalog number - cross runner 4' CROSS T #: XL7341, 2' CROSS T #: XL7328
(SEE A3.2)

1.04 Seismic Wall Clip: ***[RDP to specify if used]***
STANDARD 7/8" WALL ANGLE CLIP w/ BERC-2 CLIP (ICC #ESR-1308)
Manufacturer's Model 2" WALL ANGLE: 7810 (OPTIONAL)

1.05 Ceiling panels shall not support any light fixtures, air terminals or devices.

1.06 For ceiling installations utilizing acoustical tile panels of mineral or glass fiber, it is not mandatory to provide ¾" clearance between the acoustical tile panels and the wall on the sides of the ceiling which are free to slip. For all other ceiling panel types, provide ¾" clearance between the ceiling panel and the wall on the sides of the ceiling free to slip.

2. MATERIALS:

2.01 Ceiling wire shall be Class 1 zinc coated (galvanized) carbon steel conforming to ASTM A641-09a. Wire shall be #12 gage (0.106" diameter) with soft temper and minimum tensile strength = 70 ksi.

2.02 Galvanized sheet steel (including that used for metal stud and track compression struts/post) shall conform to ASTM A653-11, or other equivalent sheet steel listed in Section A2.1 of the North American Specification for the Design of Cold-Formed Steel Structural Members 2007, including supplement 2 dated 2010 (AISI S100-07/S2-10). Material 43 mil (18 gage) and lighter shall have minimum yield strength of 33 ksi. Material 54 mil (16 gage) and heavier shall have a minimum yield strength of 50 ksi.

2.03 Electrical metallic tube (EMT) shall be ANSI C80.3/UL 797 carbon steel with G90 galvanizing. EMT shall have minimum yield strength (Fy) of 30 ksi and minimum ultimate strength (Fu) of 48 ksi.

Basis Document: **DSA IR 25-2.13**			Sheet No:
Sheet Title: **Ceiling Notes**	rev.	09-21-15	1.00

3. ATTACHMENT OF HANGER AND BRACING WIRES:

3.01 Separate all ceiling hanger and bracing wires at least six (6) inches from all unbraced ducts, pipes, conduit, etc.

3.02 Hanger and bracing wires shall not attach to or bend around obstructions including but not limited to: piping, ductwork, conduit and equipment.

3.03 Hanger wires that are more than one (horizontal) in six (vertical) out of plumb shall have counter-sloping wires.

3.04 Slack safety wires shall be considered hanger wires for installation and testing requirements.

3.05 Hanger and bracing wire anchorage to the structure shall be installed in such a manner that the direction of the anchorage aligns closely with the direction of the wire. (e.g. bracing wire ceiling clips must be bent as shown in the details and rotated as required to align closely with the direction of the wire, screw eyes in wood must be installed so they align closely with the direction of the wire, etc.)

4. FASTENERS AND WELDING:

4.01 Sheet metal screws shall comply with ASTM C1513-10, ASME B18.6.4-89 (R2005). Penetration of screws through joined material shall not be less than three exposed threads.

4.02 Expansion anchors shall be: NOT APPLICABLE

4.03 Power-Actuated Fasteners shall be: NOT APPLICABLE

4.04 If not otherwise specified in the evaluation report, power-actuated fasteners installed in steel shall be installed so the entire pointed end of the fastener is driven through the steel member.

4.05 Power-actuated fasteners in concrete are not permitted for bracing wires.

4.06 Concrete reinforcement and prestressing tendons shall be located by non-destructive means prior to installing post - installed anchor.

4.07 Welding shall be in accordance with AWS D1.3 using E60XX series electrodes.

5. TESTING: All field testing must be performed in the presence of the project inspector.

5.01 Post-installed anchors in concrete used to support hanger wires shall be tested at a frequency of 10 percent. Power actuated fasteners in concrete shall be field tested for 200 lbs. in tension. All other post-installed anchors in concrete shall be tested in accordance with CBC Section 1913A.7.

5.02 Post-installed anchors in concrete used to attach bracing wires shall be tested at a frequency of 50 percent in accordance with CBC Section 1913A.7.

Basis Document: **DSA IR 25-2.13**			Sheet No:
Sheet Title: **Ceiling Notes**	rev.	09-21-15	1.01

6. LIGHT FIXTURES:

6.01 All light fixtures shall be positively attached to the ceiling suspension systems by mechanical means to resist a horizontal force equal to the weight of the fixture. A minimum of two screws or approved fasteners are required at each light fixture, per ASTM E580, Section 5.3.1.

6.02 Surface-mounted light fixtures shall be attached to the main runner with at least two positive clamping devices. The clamping device shall completely surround the supporting ceiling runner and be made of steel with a minimum thickness of #14 gage. Rotational spring catches do not comply. A #12 gage slack safety wire shall be connected from each clamping device to the structure above. Provide additional supports when light fixtures are eight (8) feet or longer or exceed 56 lb. Maximum spacing between supports shall not exceed eight (8) feet.

6.03 Light fixtures weighing less than or equal to 10 lb. shall have a minimum of one (1) #12 gage slack safety wire connected from the fixture housing to the structure above.

6.04 Light fixtures weighing less than or equal to 10 lb. shall have a minimum of one (1) #12 gage slack safety wire connected from the fixture housing to the structure above.

6.05 Light fixtures weighing greater than 10 lb. but less than or equal to 56 lbs. may be supported directly on the ceiling runners, but they shall have a minimum of two (2) #12 gage slack safety wires connected from the fixture housing at diagonal corners to the structure above.

Exception: All light fixtures greater than two by four feet weighing less than 56 lbs. shall have a #12 gage slack safety wire at each corner.

6.06 All Light fixtures weighing greater than 56 lb. shall be independently supported by not less than four (4) taut #12 gage hanger wires (one at each corner) attached from the fixture housing to the structure above or other approved hangers. The four (4) taut #12 gage wires or other approved hangers, including their attachment to the structure above, shall be capable of supporting four (4) times the weight of the fixture.

7. SERVICES WITHIN THE CEILING:

7.01 All flexible sprinkler hose fitting mounting brackets, ceiling-mounted air terminals or other services shall be positively attached to the ceiling suspension systems by mechanical means. Screws or approved fasteners are required. A minimum of two attachments are required at each component.

7.02 Ceiling-mounted air terminals or other services weighing less than or equal to 20 lb. shall have one (1) #12 gage slack safety wire attached from the terminal or service to the structure above.

7.03 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 20 lb. but less than or equal to 56 lb. shall have two (2) #12 gage slack safety wires (at diagonal corners) connected from the terminal or service to the structure above.

7.04 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 56 lb. shall be supported directly from the structure above by not less than four (4) taut #12 gage hanger wires attached from the terminal or service to the structure above or other approved hangers.

Basis Document: **DSA IR 25-2.13**			Sheet No:
Sheet Title: **Ceiling Notes**	rev.	09-21-15	1.02

8. OTHER DEVICES WITHIN THE CEILING:

8.01 All lightweight miscellaneous devices, such as strobe lights, occupancy sensors, speakers, exit signs, etc., shall be attached to the ceiling grid. In addition, devices weighing more than 10 lbs. shall have a #12 gage slack safety wire anchored to the structure above. Devices weighing more than 20 lb. shall be supported independently from the structure above.

Basis Document: **DSA IR 25-2.13**			Sheet No:
Sheet Title: **Ceiling Notes**	rev.	09-21-15	1.03

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
CEILING NOTES

PROJECT NUMBER
20093

DRAWN BY
rMc/SC

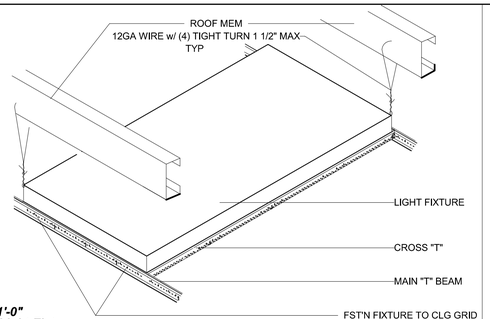
CHECKED BY
RH/RT

DATE
06/07/2021

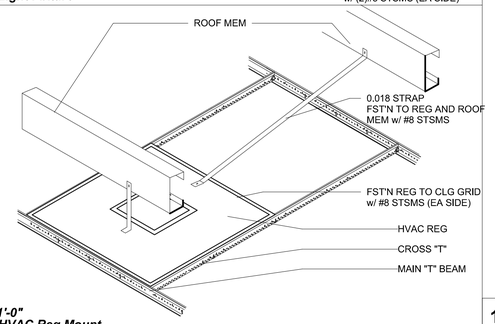
SHEET NO.
A3.2.1

SHEET OF

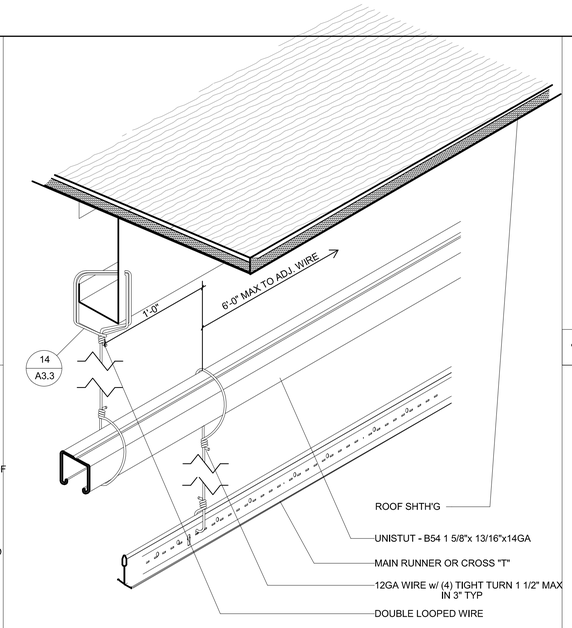
6/8/2021 12:18:39 AM C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6.7_CESAR24D63.rvt



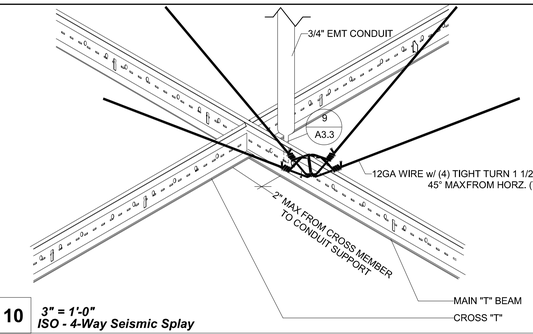
18 *1" = 1'-0"*
ISO - Light Fixture



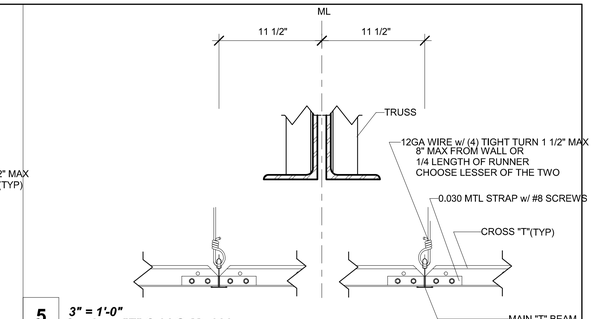
17 *1" = 1'-0"*
ISO - HVAC Reg Mount



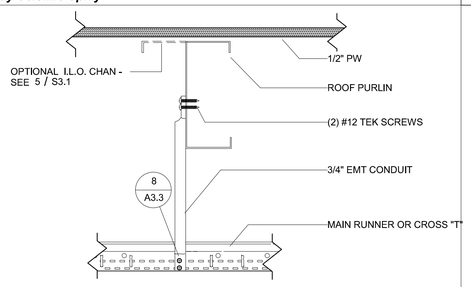
12 *3" = 1'-0"*
ISO - Trapeze Condition



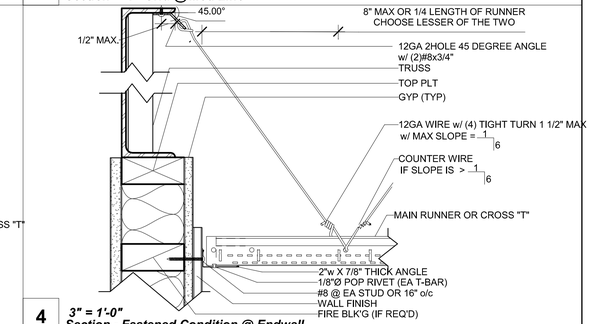
10 *3" = 1'-0"*
ISO - 4-Way Seismic Splay



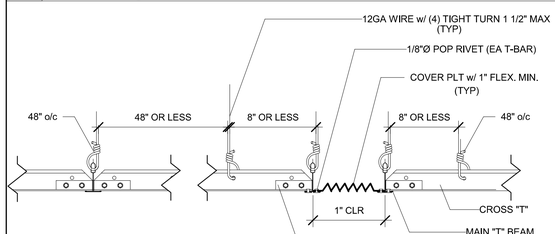
5 *3" = 1'-0"*
Section - "T" Grid @ Mod Line



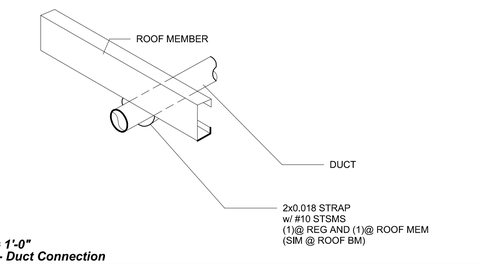
9 *3" = 1'-0"*
Elevation - Compression Strut



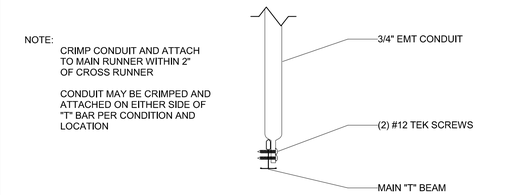
4 *3" = 1'-0"*
Section - Fastened Condition @ Endwall



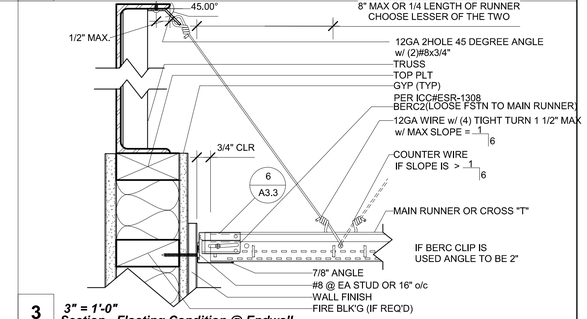
16 *3" = 1'-0"*
Section - "T" Grid @ Mod Line



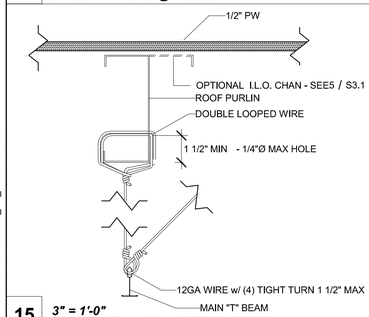
11 *1" = 1'-0"*
ISO - Duct Connection

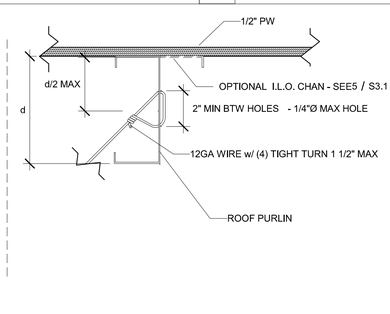


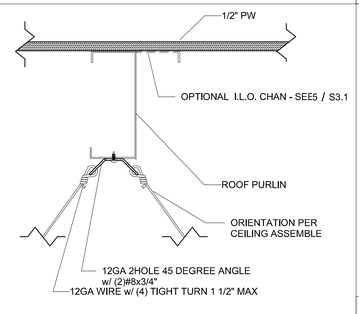
8 *3" = 1'-0"*
Section - Compression Strut



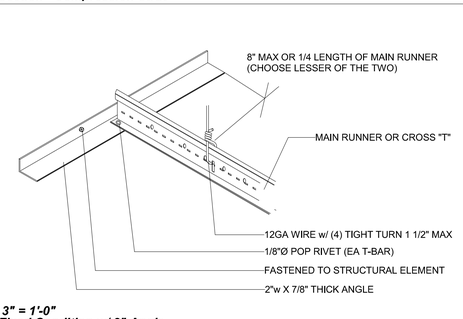
3 *3" = 1'-0"*
Section - Floating Condition @ Endwall



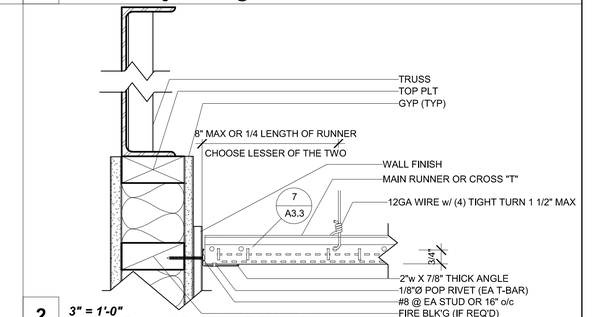




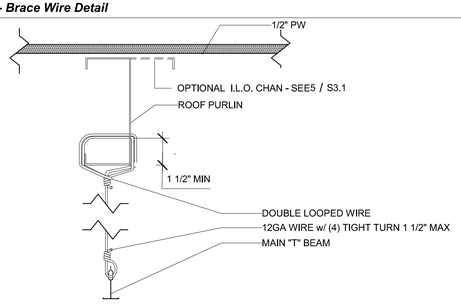
15 *3" = 1'-0"*
Section - Brace Wire Detail

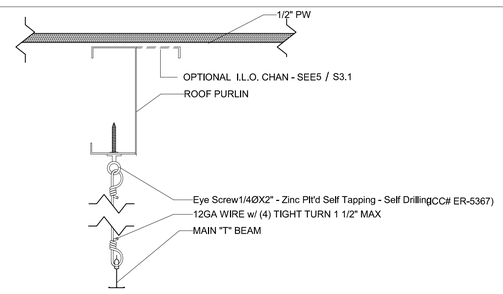


7 *3" = 1'-0"*
Fixed Condition w/ 2" Angle

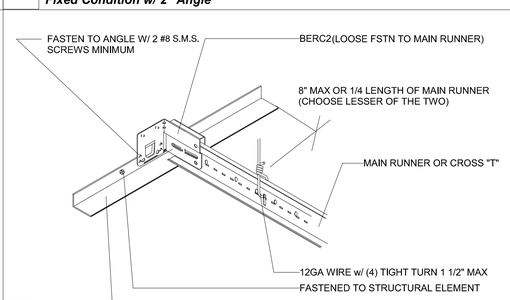


2 *3" = 1'-0"*
Section - Fastened Condition @ Sidewall

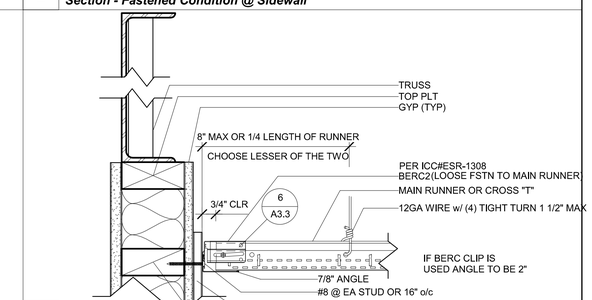




14 *3" = 1'-0"*
Section - Hanger Wire Detail



6 *3" = 1'-0"*
Floating Condition w/ 2" Angle



1 *3" = 1'-0"*
Section - Floating Condition @ Sidewall

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
MANUEL D. TAVARES
No. S 3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
CEILING DETAILS (T-GRID)

PROJECT NUMBER
20093

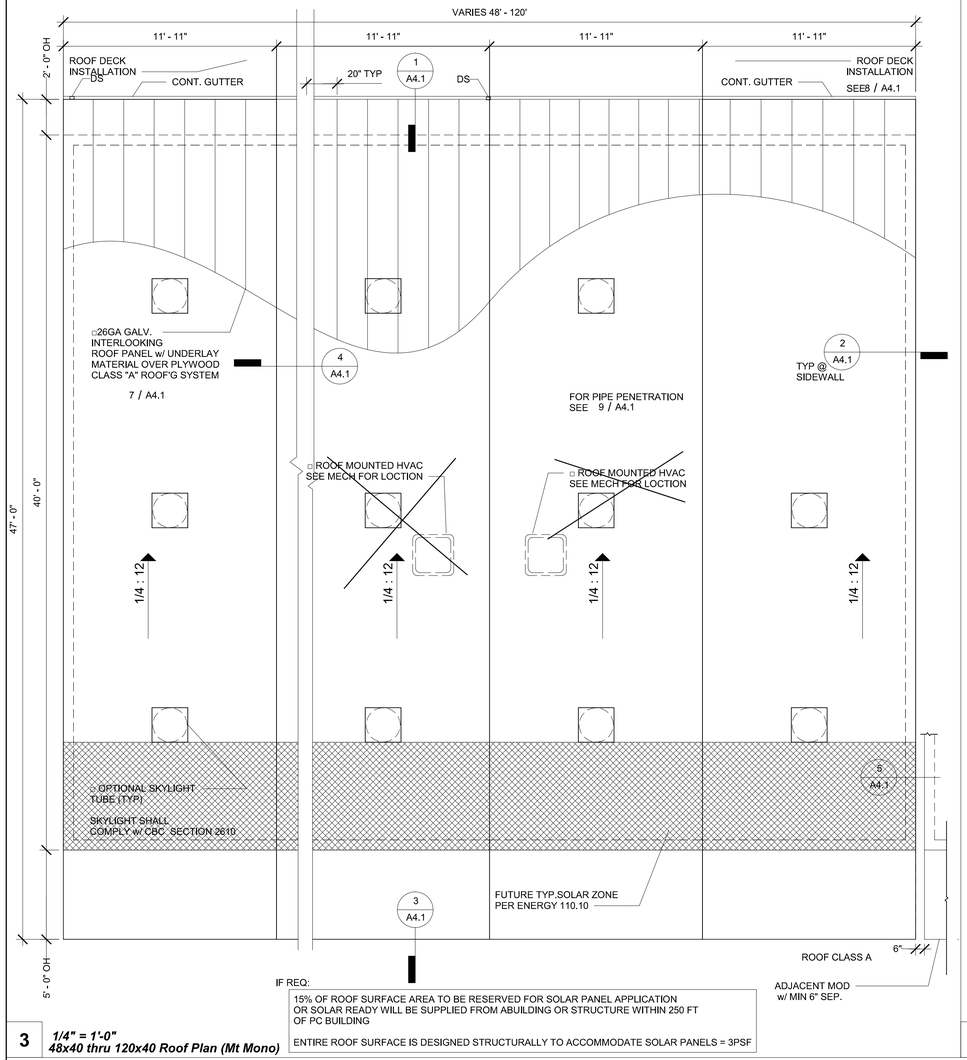
DRAWN BY
rMc/SC

CHECKED BY
RH/RT

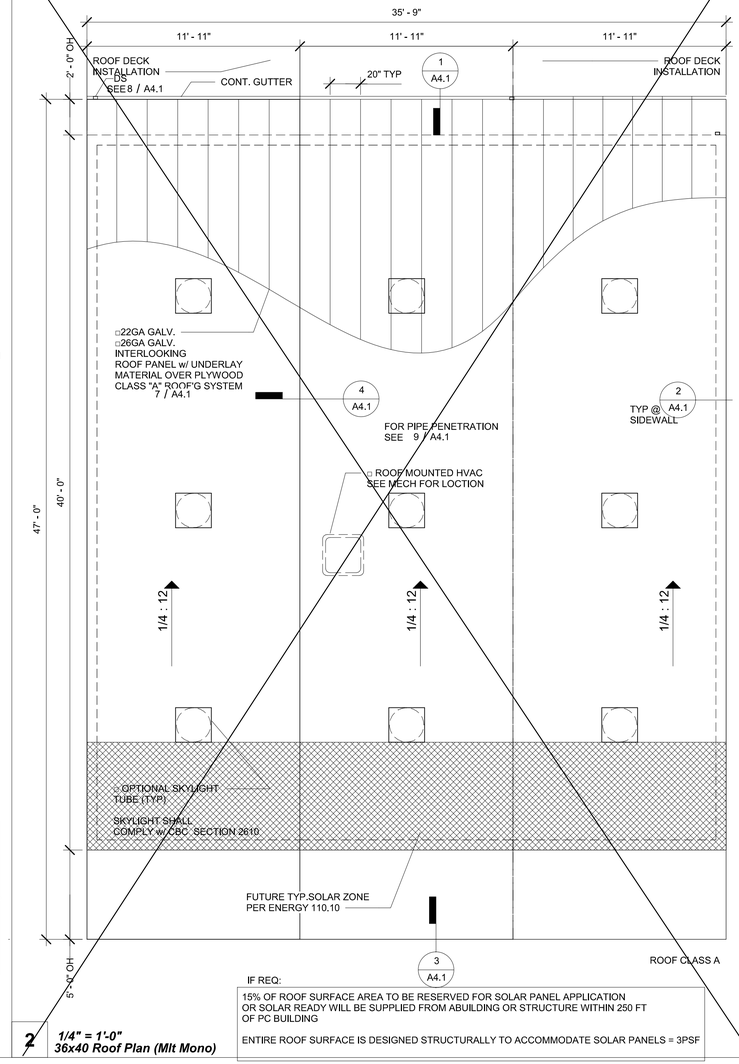
DATE
06/07/2021

SHEET NO.
A3.3

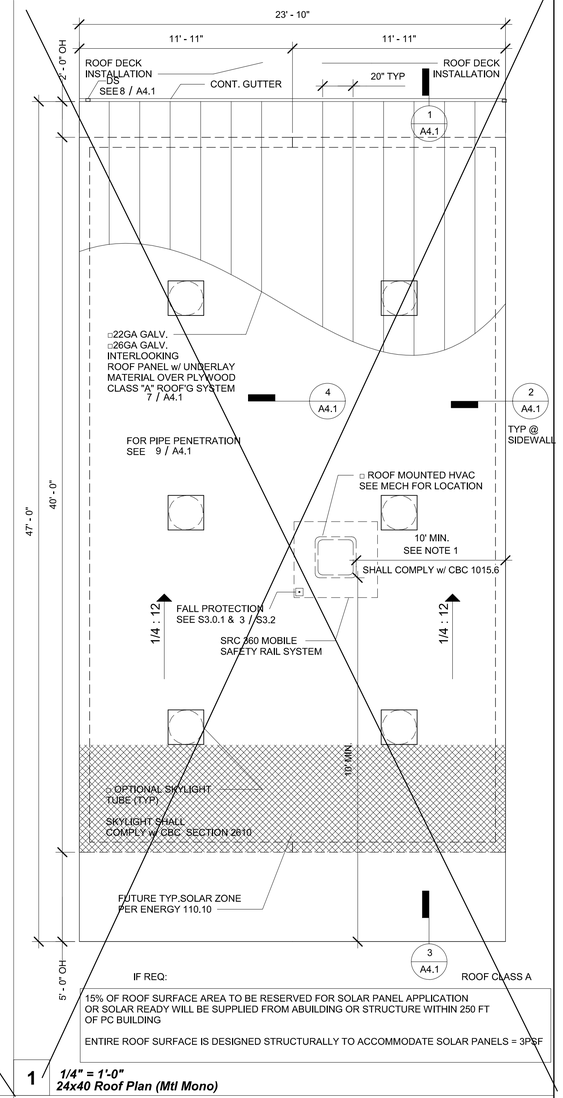
SHEET OF



3 *1/4" = 1'-0"*
48x40 thru 120x40 Roof Plan (Mt Mono)



2 *1/4" = 1'-0"*
36x40 Roof Plan (Mlt Mono)



1 *1/4" = 1'-0"*
24x40 Roof Plan (Mtl Mono)

Note: For conditioned structures, roofing must be installed IAW 2019 CBC SECTION 1202.3

1202.3 Unvented Attic and Unvented Enclosed Rafter Assemblies

Unvented attics and unvented enclosed roof framing assemblies created by ceilings applied directly to the underside of the roof framing members/rafters and the structural roof sheathing at the top of the roof framing members shall be permitted where all of the following conditions are met:

1. The unvented attic space is completely within the building thermal envelope.
2. No interior Class I vapor retarders are installed on the ceiling side (attic floor) of the unvented attic assembly or on the ceiling side of the unvented enclosed roof framing assembly.
3. Where wood shingles or shakes are used, not less than a 1/4-inch (6.4 mm) vented airspace separates the shingles or shakes and the roofing underlayment above the structural sheathing.
4. In Climate Zones 14 and 16, any air-impermeable insulation shall be a Class II vapor retarder or shall have a Class II vapor retarder coating or covering in direct contact with the underside of the insulation.

   See the California Energy Code, Figure 100.1-A — California Climate Zones.

   4.1. **[HCD 1 & HCD 2]** In Climate Zones 14 and 16, a Class I or Class II vapor retarder shall be installed on the indirectly conditioned space side of all insulation in an unvented attic with air-permeable insulation, for condensation control.
5. Insulation shall be located in accordance with the following:

   5.1. Item 5.1.1, 5.1.2, 5.1.3 or 5.1.4 shall be met, depending on the air permeability of the insulation directly under the structural roof sheathing. No insulation shall be required when roof tiles, wood shingles or wood shakes, or any other roofing system using battens and no continuous underlayment is installed. A continuous underlayment shall be considered to exist if sheathing, roofing paper or any continuous layer having a perm rate of no more than one perm under the dry cup method is present.

   5.1.1. Where only air-impermeable insulation is provided, it shall be applied in direct contact with the underside of the structural roof sheathing.

   5.1.2. Where air-permeable insulation is provided inside the building thermal envelope, it shall be installed in accordance with

   Item 5.1.1. In addition to the air-permeable insulation installed directly below the structural sheathing, rigid board or sheet insulation shall be installed directly above the structural roof sheathing in accordance with the R-values in Table 1202.3 for condensation control.

   5.1.3. Where both air-impermeable and air-permeable insulation are provided, the air-impermeable insulation shall be applied in direct contact with the underside of the structural roof sheathing and shall be in accordance with the R-values in Table 1202.3 for condensation control. The air-permeable insulation shall be installed directly under the air-impermeable insulation.

   5.1.4. Alternatively, sufficient rigid board or sheet insulation shall be installed directly above the structural roof sheathing to maintain the monthly average temperature of the underside of the structural roof sheathing above 45°F (7°C). For calculation purposes, an interior air temperature of 68°F (20°C) is assumed and the exterior air temperature is assumed to be the monthly average outside air temperature of the three coldest months.

   5.2. Where preformed insulation board is used as the air-impermeable insulation layer, it shall be sealed at the perimeter of each individual sheet interior surface to form a continuous layer.

Exceptions:

1. Section 1202.3 does not apply to special use structures or enclosures such as swimming pool enclosures, data processing centers, hospitals or art galleries.
2. Section 1202.3 does not apply to enclosures in Climate Zones 14 and 16 that are humidified beyond 35 percent during the three coldest months.

TABLE 1202.3
INSULATION FOR CONDENSATION CONTROL

CLIMATE ZONE	**MINIMUM *R*-VALUE** OF AIR-IMPERMEABLE INSULATIONa
6-15 tile roof only	0 (none required)
3-15	R-5
1 & 2	R-10
16	R-15

a. Contributes to, but does not supersede, thermal resistance requirements for attic and roof assemblies in the California Energy Code.

NOTE: PER CBC 1015.6, - EXCEPTION, GUARDRAILS ARE NOT REQUIRED WHERE PERMANENT FALL RESTRAINT ANCHORAGE DEVICES ARE AFFIXED & SHALL BE PLACED NOT MORE THAN 10FT FROM THE ROOF EDGE.

ROOFS SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 7A AND CHAPTER 15. ROOFS SHALL HAVE A ROOFING ASSEMBLY INSTALLED IN ACCORDANCE WITH ITS LISTING AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

PV AREA FOR FIRE ACCESS REQ'T (PER IR 16-8)

3.2.1 General Requirements: A PV System shall be typically considered equipment. There is typically not an occupancy group classification, building area limitation, or type of construction assignment to a PV system.
a) PV equipment supported by non-combustible framing installed in locations dedicated for building frontage used for area increases per California Building Code (CBC), Chapter 5, Section 506, shall be limited in size and may be allowed on a case by case basis. Maximum area that may be allowed for such systems shall not exceed 1/3 of the horizontal projected area of each frontage.
b) Open sided PV systems and framing that are non-combustible and without use underneath may be considered equipment and may be placed next to DSA IR 16-8 Solar Photovoltaic and Thermal (updated 01-25-17) Systems Review and Approval Requirements Page 11 of 19 property lines. Signs may be required on or near the system prohibiting any use or storage underneath the equipment.
c) Combustible PV systems and framing and those with use underneath such as for assembly or parking, may need to comply with 2019 CBC, Table 602. These structures may include those that do and that do not have a roof underneath the PV system.
d) PV systems (both the frame and the array) shall not be placed in fire department access roads. (Per Title 24 CCR, Division 1, Chapter 1, Section 3.05 and 2019 CFC Chapter 5, Section 503.)
e) Access to a public way or safe dispersal area shall not be obstructed by the system or system framing. (CBC 1027.6 and 442.3)
f) PV systems that cover a lunch area or similar (occupant load less than 50), that are not used for assembly purposes shall be considered equipment. Playgrounds would also fall into this category regardless of total occupant load.
g) Any PV system that is installed above an assembly use (i.e. Group A-3 or A-5 occupancy classification) shall be considered an open sided building structure and all or portions of CBC provisions apply on a case by case basis. Such areas might include an outdoor amphitheater, bleacher or grandstand seating with concentrated occupant loads and heavy use.
h) Fire Department concern for the installation of roof mounted PV systems will be addressed by DSA review to the State Fire Marshal Solar Photovoltaic Installation Guideline available at: http://osfm.fire.ca.gov/pdf/reports/solarphotovoltaicguideline.pdf
i) When a PV system, without riser framework, is installed directly on a rated roof assembly with a required classification greater than "Class C" found in CBC, Chapter 15, and f

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ★ CONSULTING ★ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE

PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE

ROOF PLAN MONO SLOPE (STANDING SEAM)

PROJECT NUMBER
20093

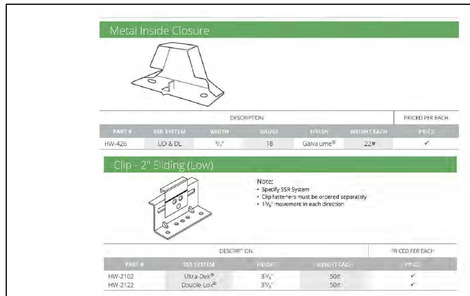
DRAWN BY
rMc/SC

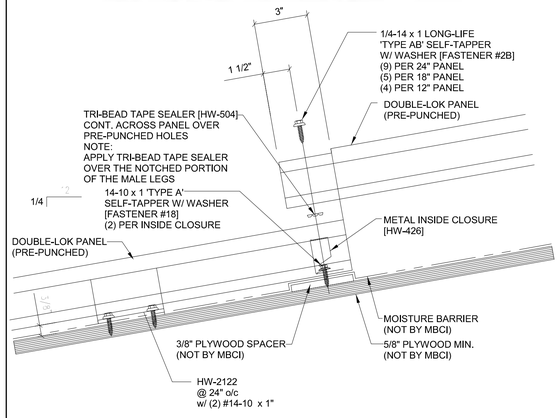
CHECKED BY
RH/RT

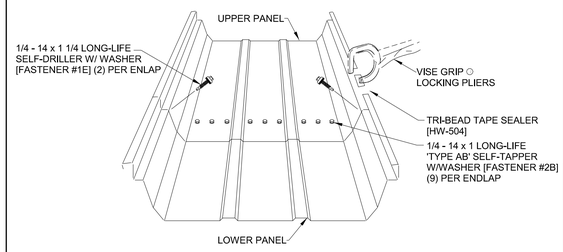
DATE
06/07/2021

SHEET NO.
A4.0.1

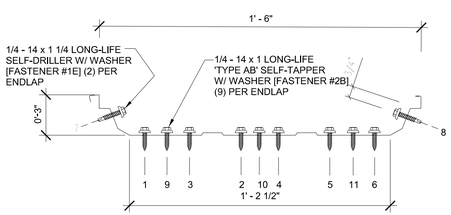
SHEET OF







PANEL INSTALLATION SEQUENCE

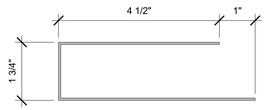


FASTENER SEQUENCE @ ENDLAP

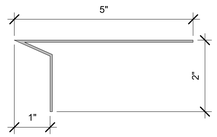
18" DOUBLE-LOK 22GA STANDING SEAM PANEL BY MBCI

NEG		POS	
t	= 0.0299"	t	= 0.0299"
S_x	= 0.1846 IN³	S_x	= 0.2154 IN³
I_x	= 0.2718 IN⁴	I_x	= 0.4968 IN⁴
F_y	= 50 KSI	F_y	= 50 KSI

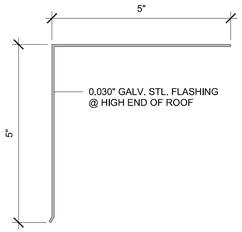
FOR ALL METAL ROOFING SYSTEMS USE OR EQUAL



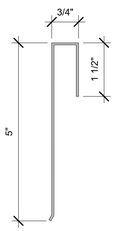
14 *6" = 1'-0"*
FLASHING @ ROOF HIGH SIDE



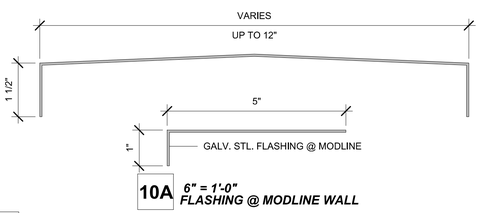
13 *6" = 1'-0"*
FLASHING @ ROOF LOW SIDE



12 *6" = 1'-0"*
ROOF FLASHING

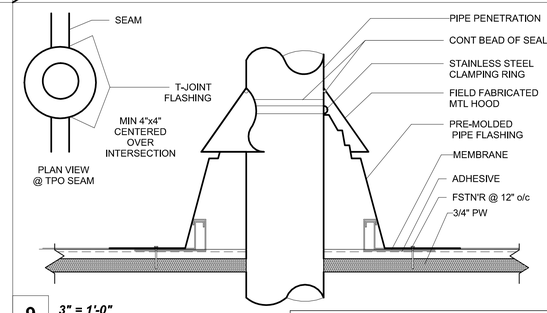


11 *6" = 1'-0"*
ROOF FLASHING @ SIDEWALL

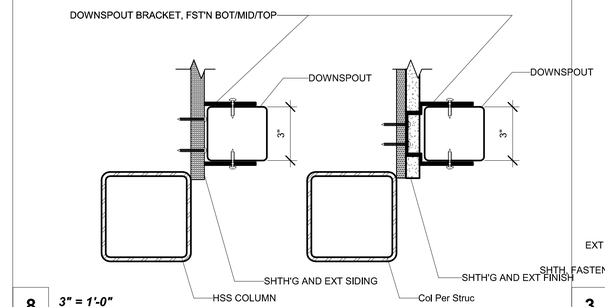


10A *6" = 1'-0"*
FLASHING @ MODLINE WALL

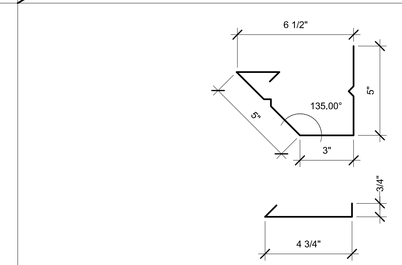
10 *6" = 1'-0"*
ROOF CAP @ MODLINE



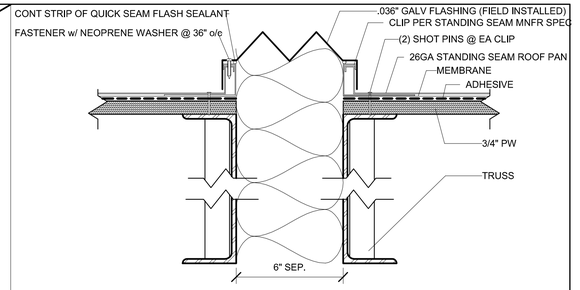
9 *3" = 1'-0"*
Pipe Penetration Standing Seam
ALL FSTN'G & WATER PROOF'G/FLASHING PER MNFR SPECS



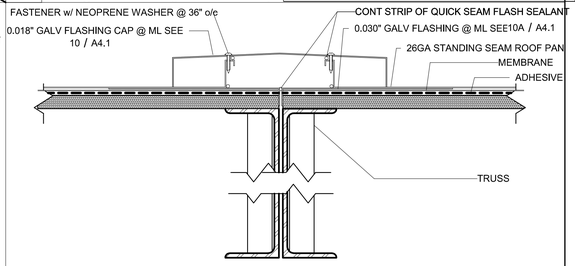
8 *3" = 1'-0"*
Downspout Mount1



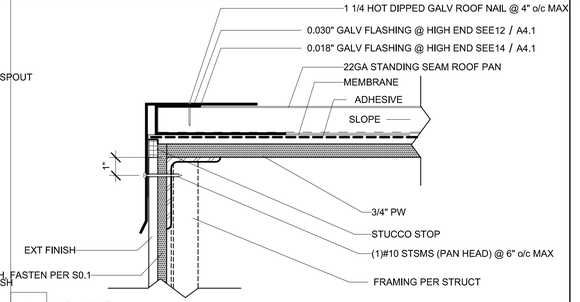
6 *3" = 1'-0"*
Gutter and Strap1



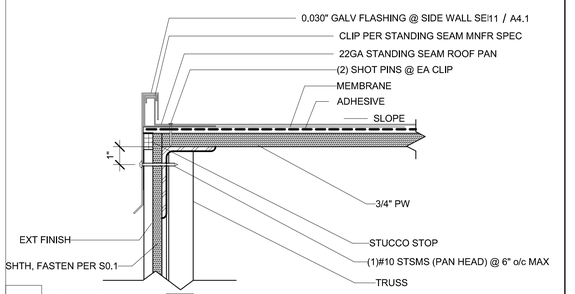
5 *3" = 1'-0"*
Roof @ Mateline Std'g Seam w/ 6" Sep
ALL FSTN'G & WATER PROOF'G/FLASHING PER MNFR SPECS



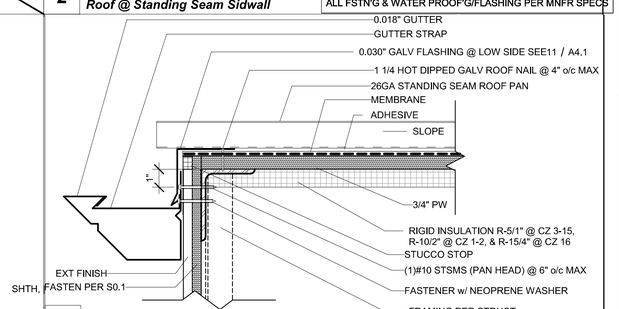
4 *3" = 1'-0"*
Roof @ Standing Seam Mateline
ALL FSTN'G & WATER PROOF'G/FLASHING PER MNFR SPECS



3 *3" = 1'-0"*
Roof @ Endwall Std'g Seam (High End)
ALL FSTN'G & WATER PROOF'G/FLASHING PER MNFR SPECS



2 *3" = 1'-0"*
Roof @ Standing Seam Sidwall
ALL FSTN'G & WATER PROOF'G/FLASHING PER MNFR SPECS



1 *3" = 1'-0"*
Roof @ Endwall Std'g Seam (Low End)
ALL FSTN'G & WATER PROOF'G/FLASHING PER MNFR SPECS

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE

PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE

ROOF DETAILS (STANDING SEAM)

PROJECT NUMBER: 20093

DRAWN BY: rMc/SC

CHECKED BY: RH/RT

DATE: 06/07/2021

SHEET NO.: A4.1

SHEET OF

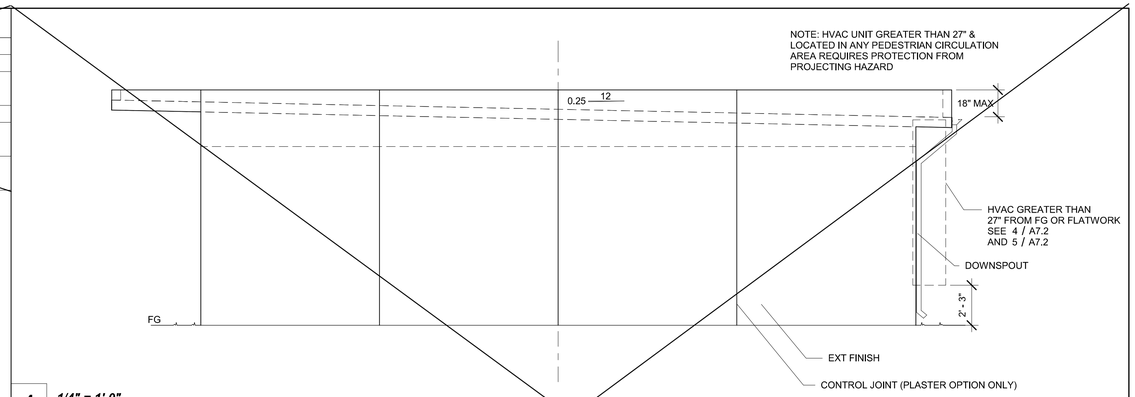
Ext. Finish Schedule			
	Finishes	Sheet	Notes
X	SIDING OVER WD STUDS	A2.1	
□	PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.2	
□	SIDING OVER STL STUDS	A2.3	
□	PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS	A2.4	
□	LAP SIDING OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS		

9 *1/4" = 1'-0"*
Ext. Finish Scedule

Fire Rating Schedule			
	Rating	Sheet	Notes
□	1 HOUR - SIDING OVER WD STUDS	A2.5	
□	1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.6	
□	1 HOUR - SIDING OVER STL STUDS	A2.7	
□	1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS	A2.8	
□	1 HOUR - LAP SIDING OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS		

SEE A3.0 FOR ADDITIONAL FIRE ASSEMBLY NOTES AND DETAILS

10 *1/4" = 1'-0"*
Fire Rating Scedule



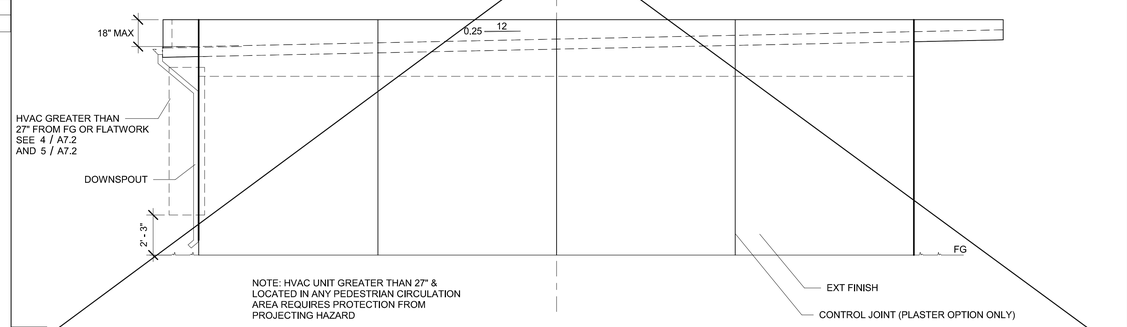
4 *1/4" = 1'-0"*
Right Elevation (Mono w/ Parapet)

SEE A0.1 FOR GENERAL NOTES

Wall Schedule			
	Stud Size	Sheet	Notes
X	Wood Wall Stud	S4.5	
□	Mtl Wall Stud	S4.5	CONTINUOUS EXT R-4 INSULATION

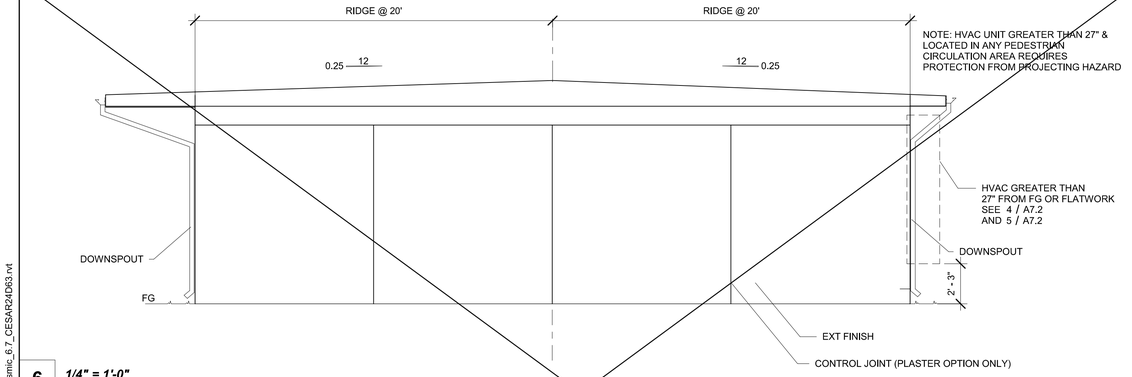
FOR WUI DETAILS SEE SHEETS: A2.1(B) A2.3(B) A2.5(B) A2.7(B)

8 *1/4" = 1'-0"*
Wall Schedule

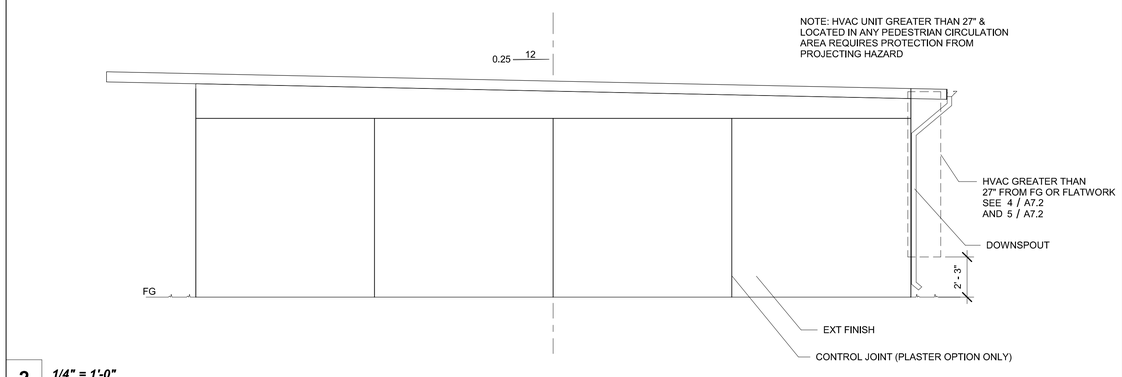


3 *1/4" = 1'-0"*
Left Elevation (Mono w/ Parapet)

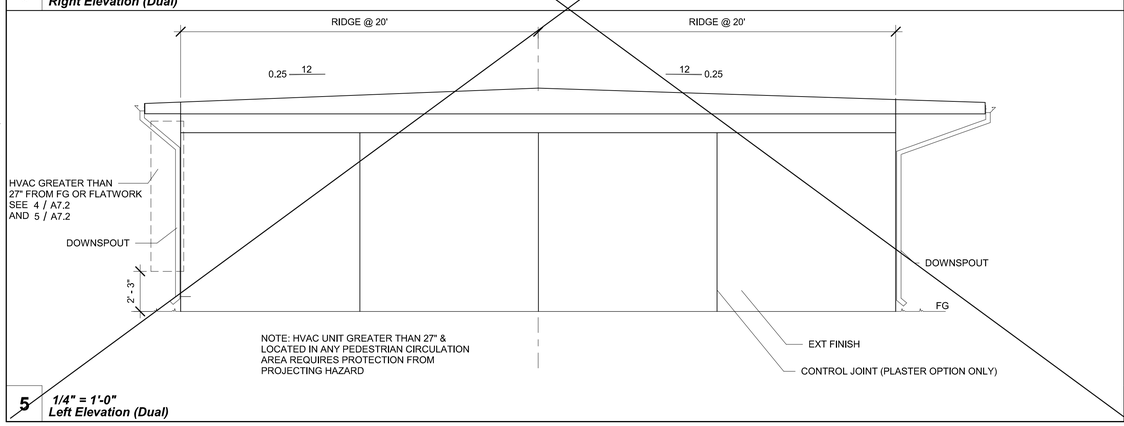
7 *3" = 1'-0"*
Notes A5.0



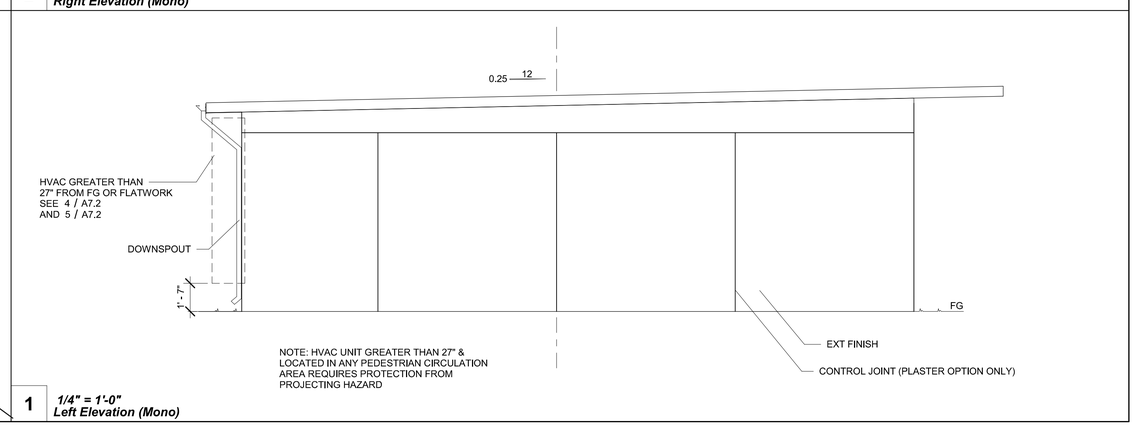
6 *1/4" = 1'-0"*
Right Elevation (Dual)



2 *1/4" = 1'-0"*
Right Elevation (Mono)



5 *1/4" = 1'-0"*
Left Elevation (Dual)



1 *1/4" = 1'-0"*
Left Elevation (Mono)

C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6.7_CESARR24D63.rvt

6/8/2021 12:19:13 AM

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE

PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE

SIDEWALL ELEVATION

PROJECT NUMBER
20093

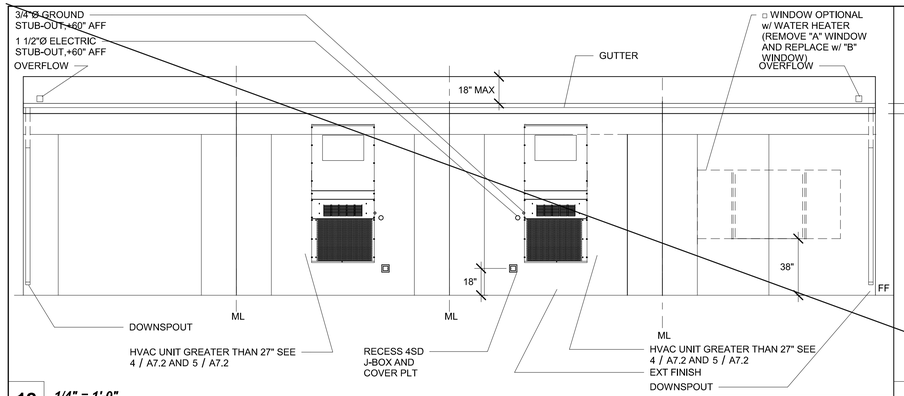
DRAWN BY
rMc/SC

CHECKED BY
RH/RT

DATE
06/07/2021

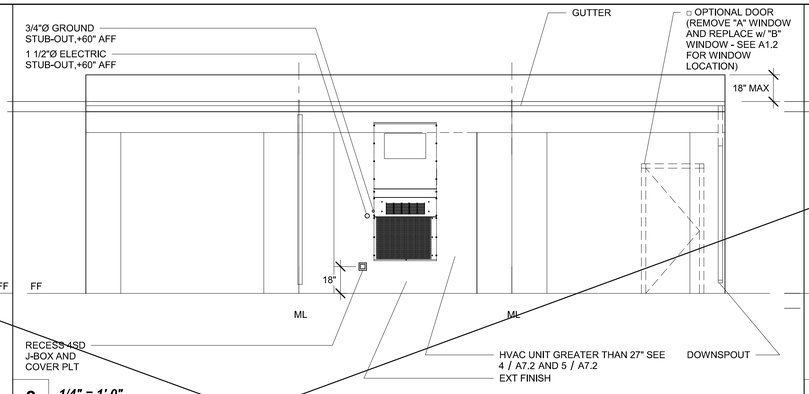
SHEET NO.
A5.0

SHEET OF



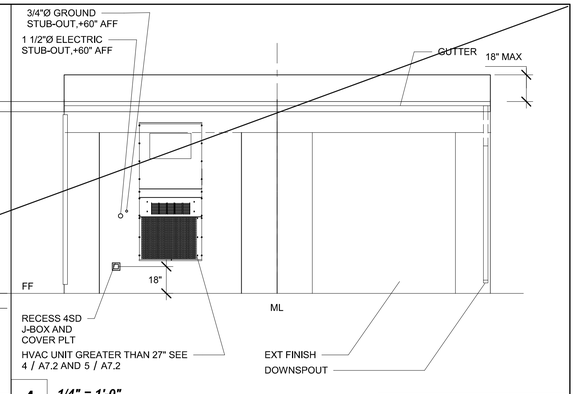
12 *1/4" = 1'-0"*
48x40 Rear w/ Parapet Elevation (Mono)

SEE A5.0 FOR SCHEDULES AND NOTES



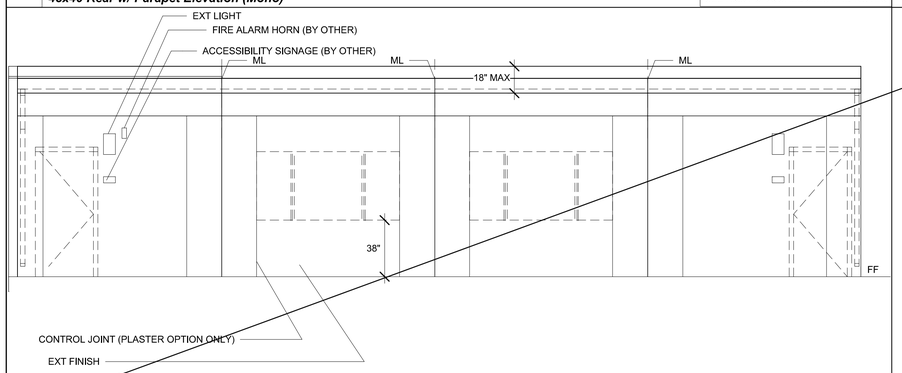
8 *1/4" = 1'-0"*
36x40 Rear Elevation w/ Parapet (Mono)

SEE A5.0 FOR SCHEDULES AND NOTES



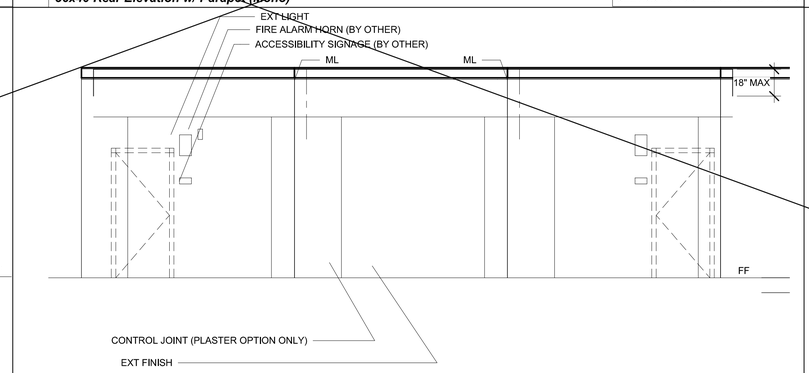
4 *1/4" = 1'-0"*
24x40 Rear Elevation w/ Parapet (Mono)

SEE A5.0 FOR SCHEDULES AND NOTES



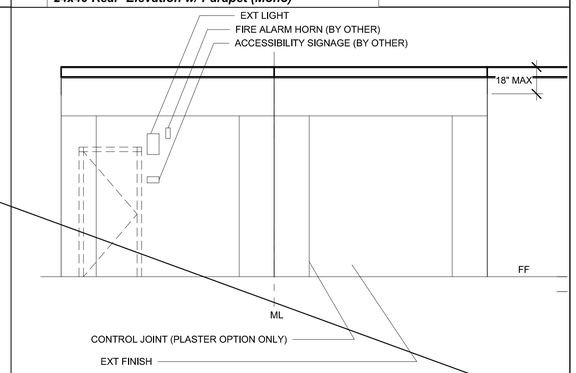
11 *1/4" = 1'-0"*
48x40 Front w/ Parapet Elevation (Mono)

SEE A5.0 FOR SCHEDULES AND NOTES



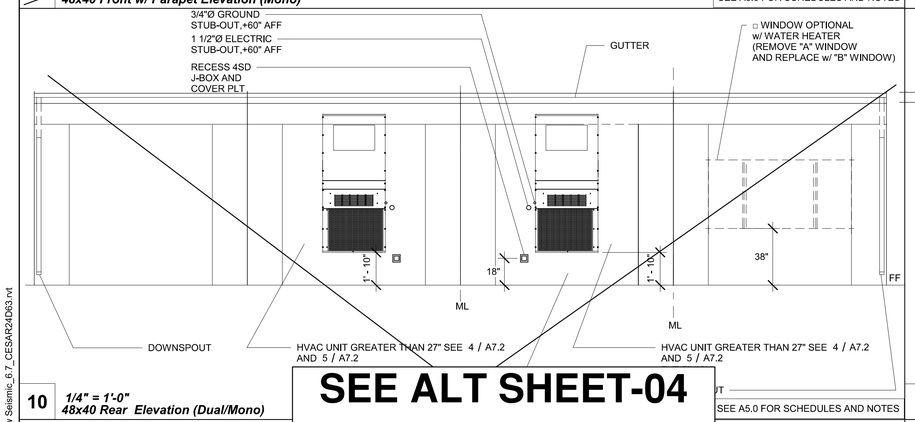
7 *1/4" = 1'-0"*
36x40 Front Elevation w/ Parapet (Mono)

SEE A5.0 FOR SCHEDULES AND NOTES



3 *1/4" = 1'-0"*
24x40 Front Elevation w/ Parapet (Mono)

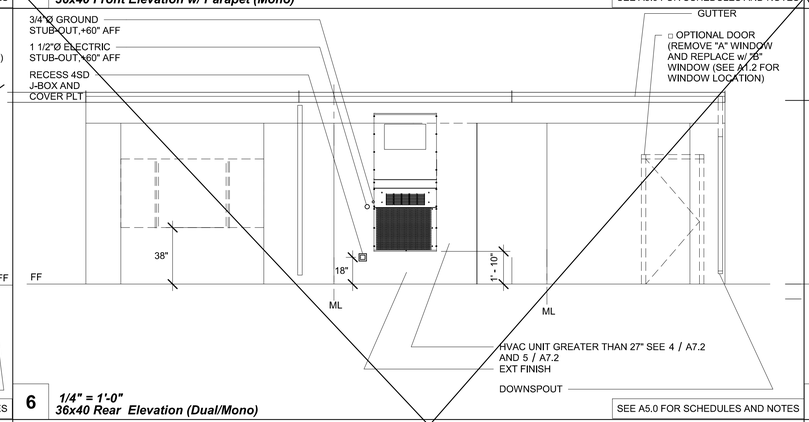
SEE A5.0 FOR SCHEDULES AND NOTES



10 *1/4" = 1'-0"*
48x40 Rear Elevation (Dual/Mono)

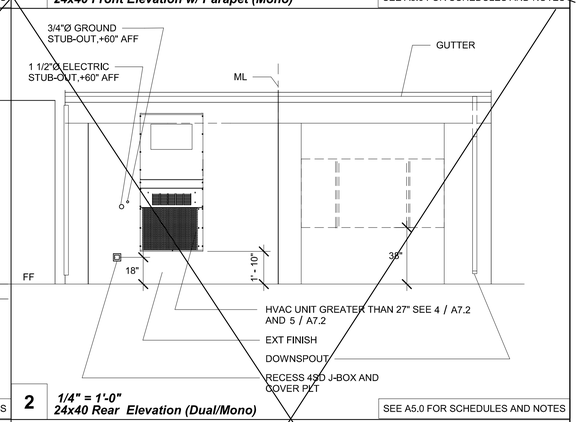
SEE A5.0 FOR SCHEDULES AND NOTES

SEE ALT SHEET-04



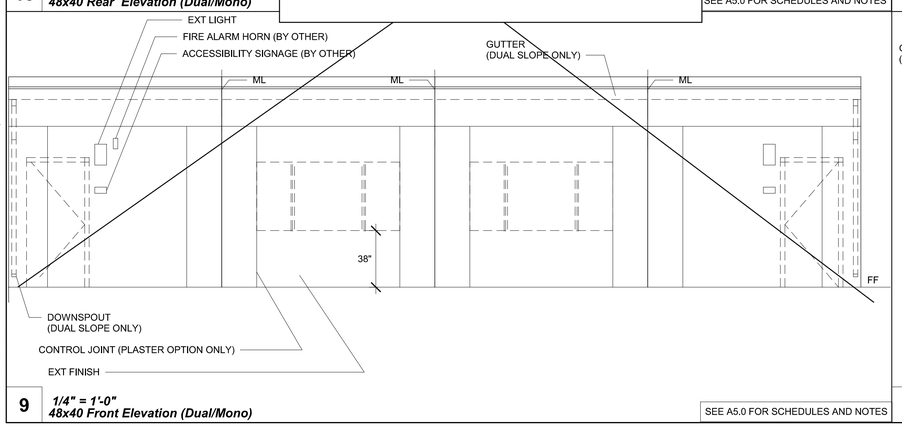
6 *1/4" = 1'-0"*
36x40 Rear Elevation (Dual/Mono)

SEE A5.0 FOR SCHEDULES AND NOTES



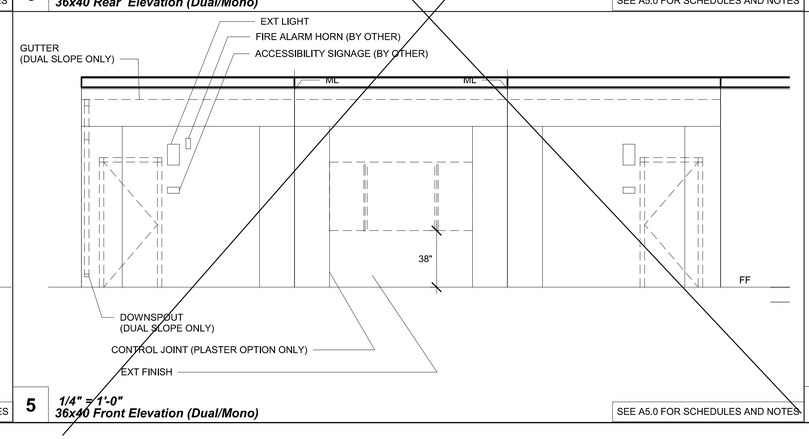
2 *1/4" = 1'-0"*
24x40 Rear Elevation (Dual/Mono)

SEE A5.0 FOR SCHEDULES AND NOTES



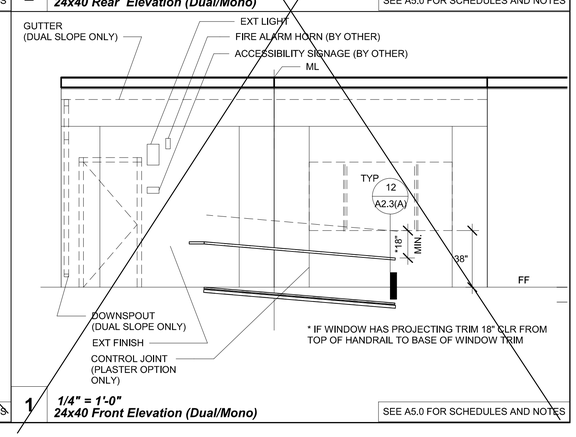
9 *1/4" = 1'-0"*
48x40 Front Elevation (Dual/Mono)

SEE A5.0 FOR SCHEDULES AND NOTES



5 *1/4" = 1'-0"*
36x40 Front Elevation (Dual/Mono)

SEE A5.0 FOR SCHEDULES AND NOTES



1 *1/4" = 1'-0"*
24x40 Front Elevation (Dual/Mono)

SEE A5.0 FOR SCHEDULES AND NOTES

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S-33380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE

PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE

ENDWALL ELEVATIONS

PROJECT NUMBER 20093

DRAWN BY rMc/SC

CHECKED BY RH/RT

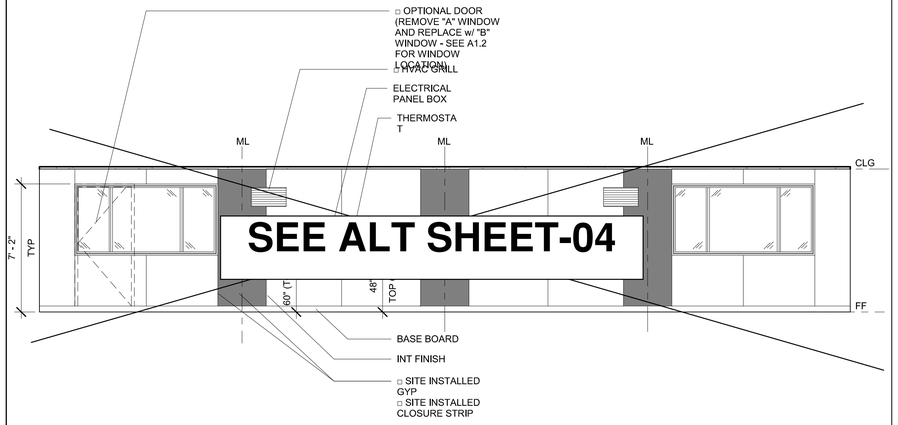
DATE 06/07/2021

SHEET NO. A5.1

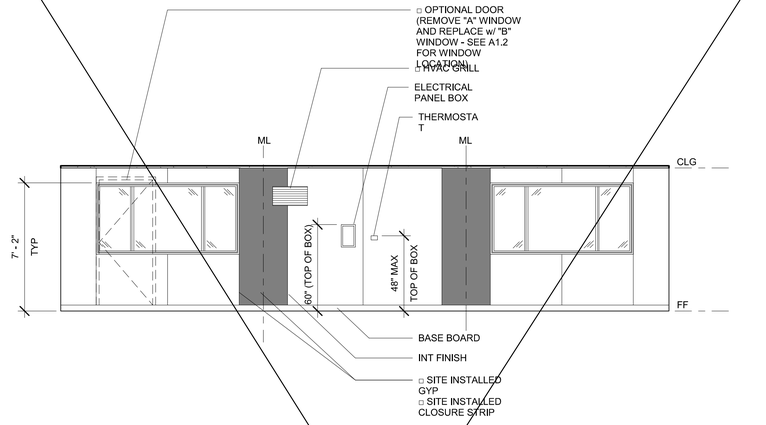
SHEET OF

C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6.7_CESAR24D63.rvt

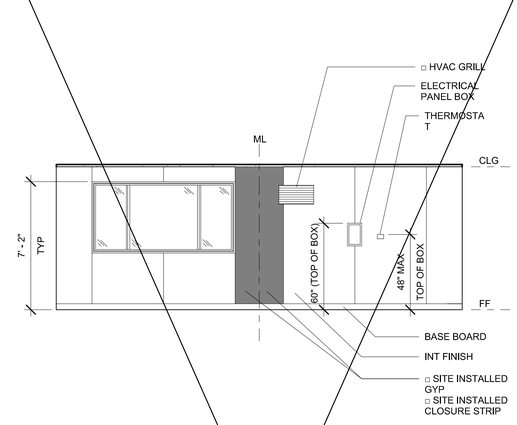
6/8/2021 12:19:21 AM



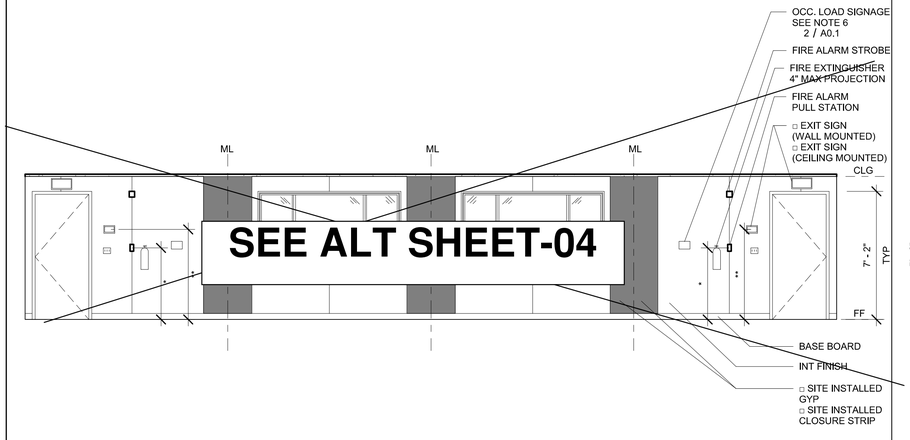
7 *1/4" = 1'-0"*
48x40 Rear Interior Elevation



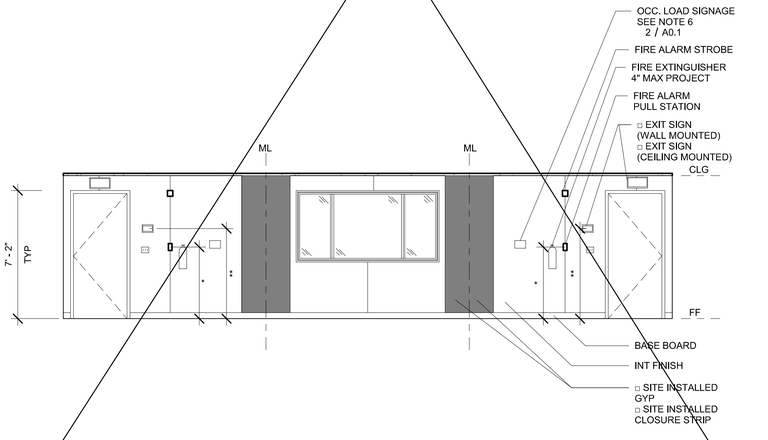
6 *1/4" = 1'-0"*
36x40 Rear Interior Elevation



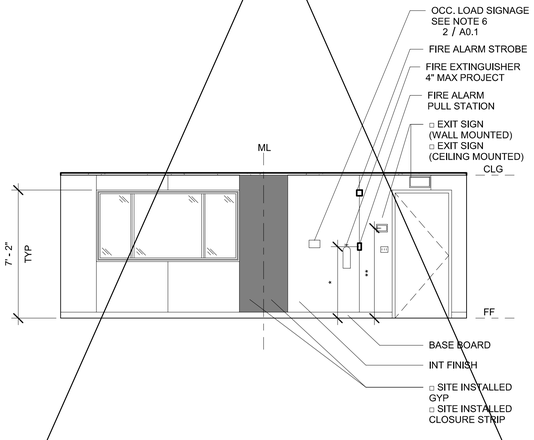
4 *1/4" = 1'-0"*
24x40 Rear Interior Elevation



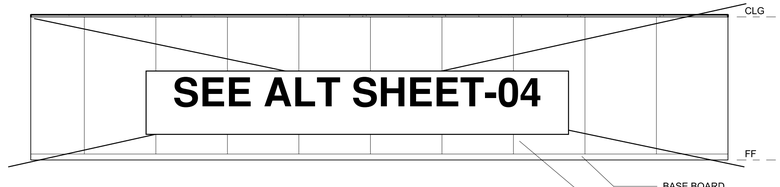
8 *1/4" = 1'-0"*
48x40 Front Interior Elevation



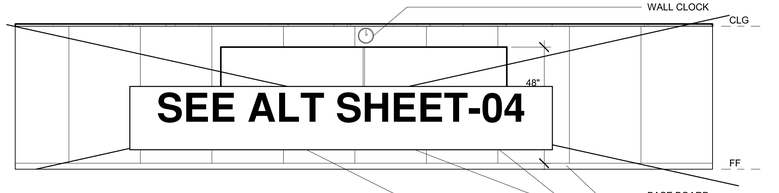
5 *1/4" = 1'-0"*
36x40 Front Interior Elevation



3 *1/4" = 1'-0"*
24x40 Front Interior Elevation



1 *1/4" = 1'-0"*
Interior Elevation (Left)



2 *1/4" = 1'-0"*
Interior Elevation (Right)

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
INTERIOR ELEVATIONS

PROJECT NUMBER
20093

DRAWN BY
rMc/SC

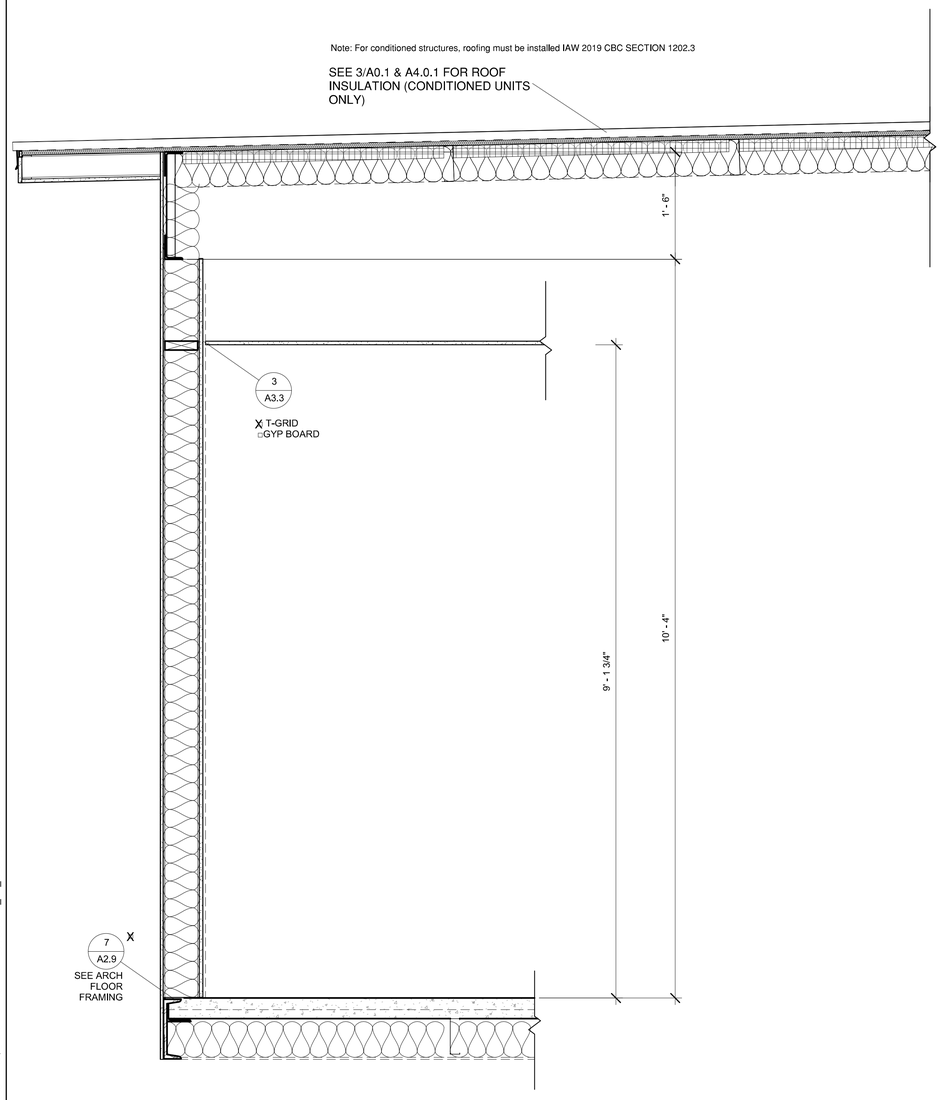
CHECKED BY
RH/RT

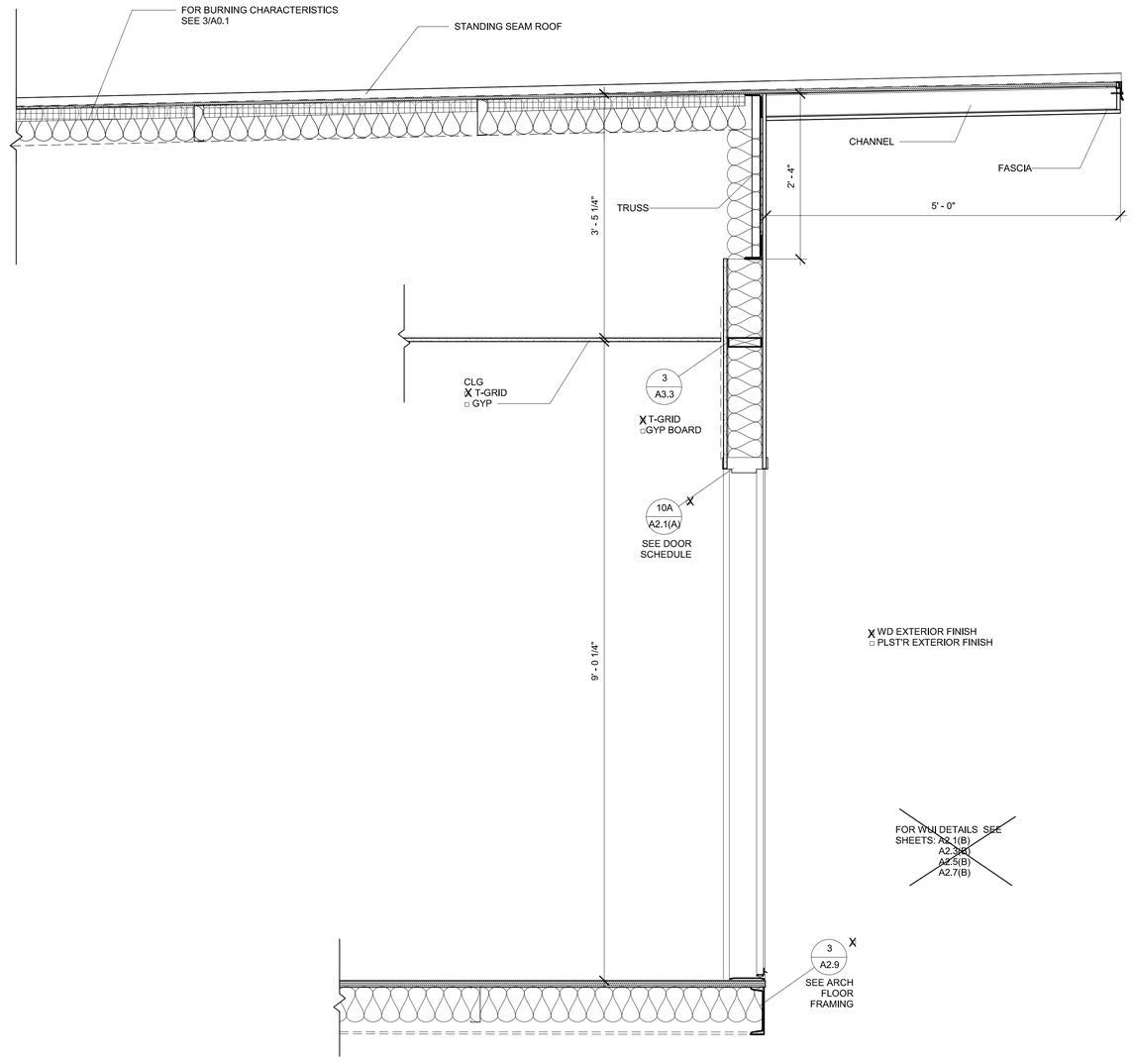
DATE
06/07/2021

SHEET NO.
A5.2

SHEET OF

6/8/2021 12:19:23 AM C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6.7_CESAR24D63.rvt





1 *1" = 1'-0"*
Section (EPDM)2

6/8/2021 12:19:24 AM C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6_7_CESAR24D63.rvt

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE

PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE

SECTION - STANDING SEAM (MONO)

PROJECT NUMBER
20093

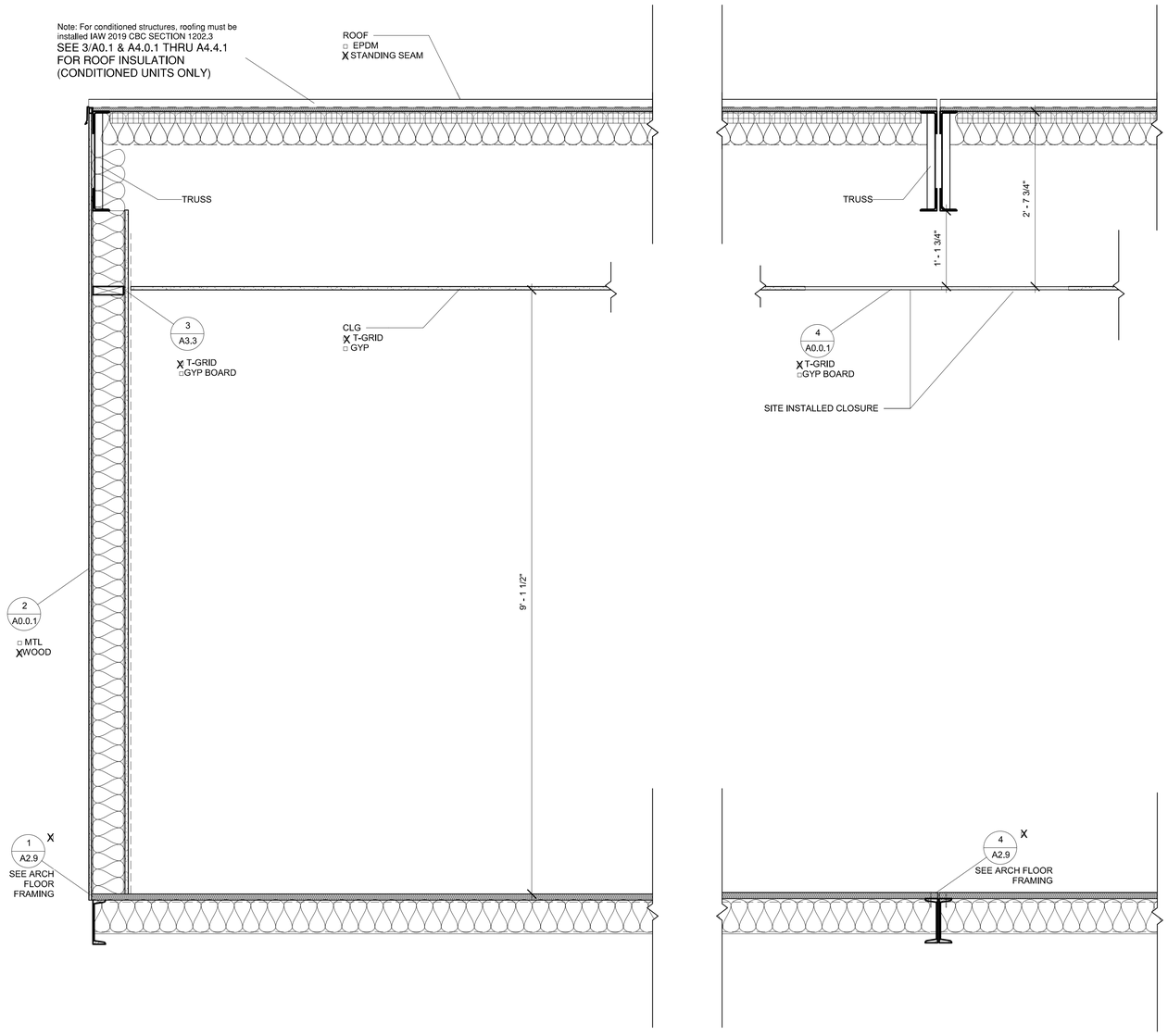
DRAWN BY
rMc/SC

CHECKED BY
RH/RT

DATE
06/07/2021

SHEET NO.
A6.0

SHEET OF



FOR WD DETAILS SEE SHEETS: A2.1(B) A2.3(B) A2.5(B) A2.7(B)

1 *1" = 1'-0"*
Latitudinal Section

6/8/2021 12:19:28 AM C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6.7_CESAR24D63.rvt

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
SECTION

PROJECT NUMBER
20093

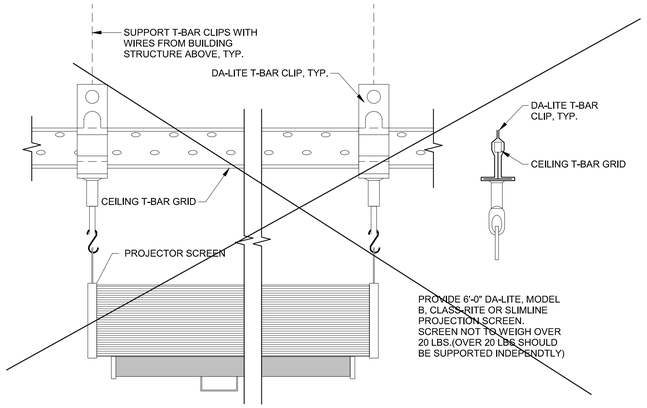
DRAWN BY
rMc/SC

CHECKED BY
RH/RT

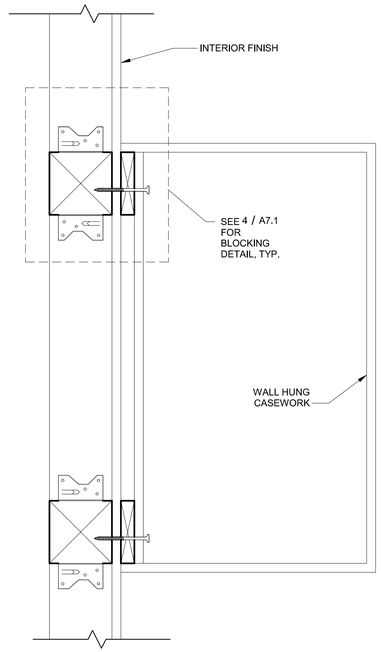
DATE
06/07/2021

SHEET NO.
A6.2

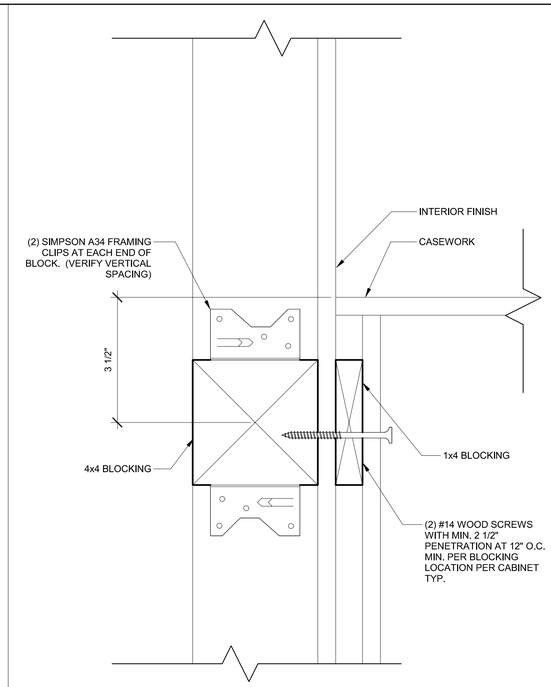
SHEET OF



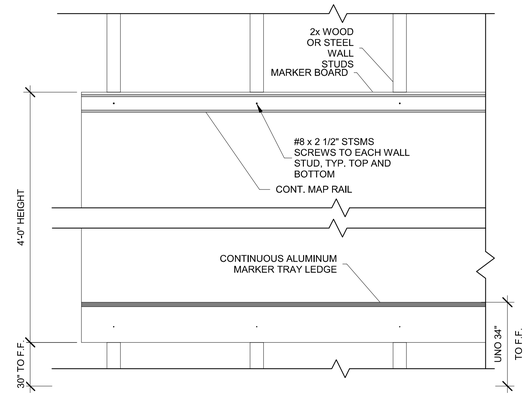
7 *1 1/2" = 1'-0"*
Projection Screen Mounting



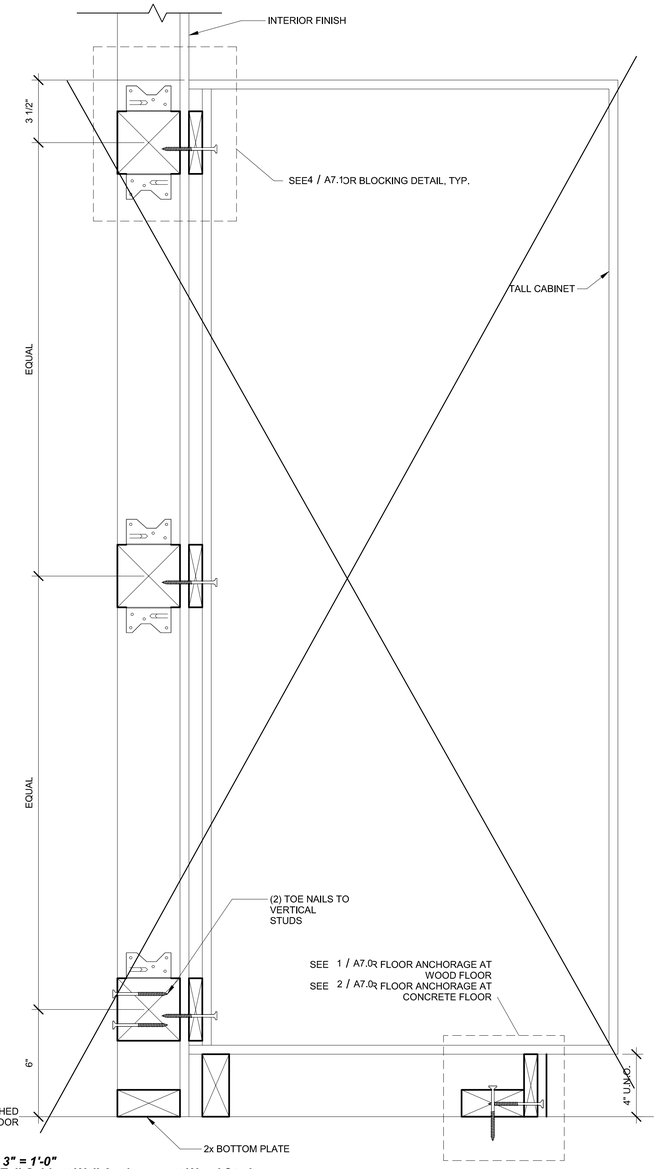
5 *3" = 1'-0"*
Wall Hung Anchorage Cabinet at Wood Stud



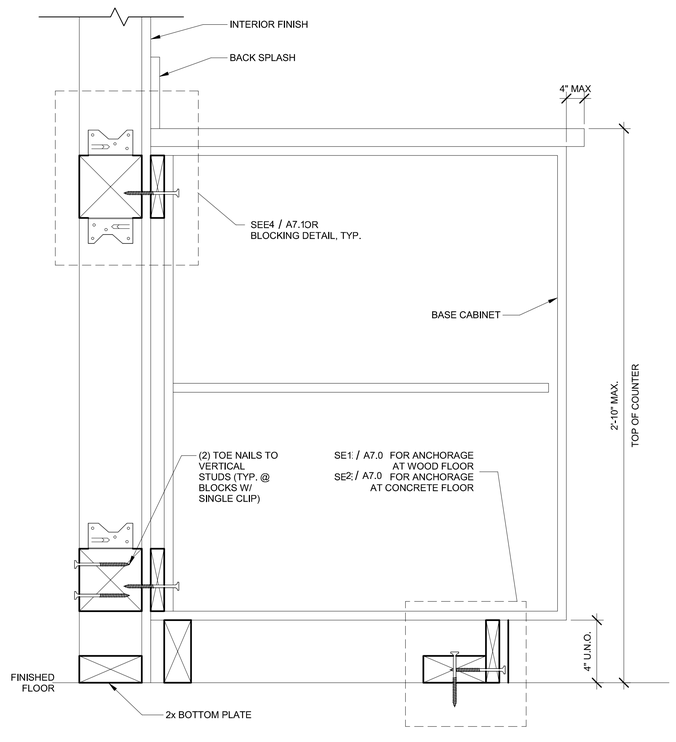
4 *6" = 1'-0"*
Attachment to Blocking at Wood Stud



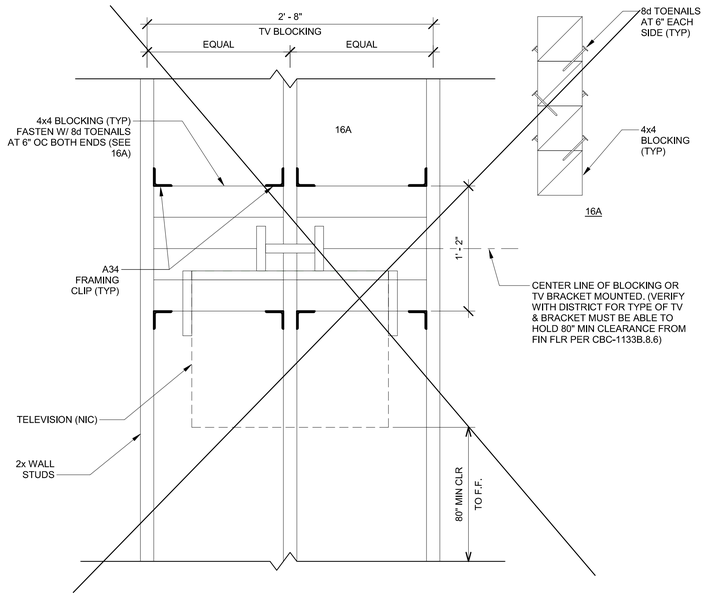
3 *1 1/2" = 1'-0"*
Marker Board Attachment



6 *3" = 1'-0"*
Tall Cabinet Wall Anchorage at Wood Stud



2 *3" = 1'-0"*
Base Cabinet Wall Anchorage at Wood Stud



1 *1 1/2" = 1'-0"*
T.V. Blocking Attachment at Wood Stud

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
ADDITIONAL OPTION DETAILS

PROJECT NUMBER
20093

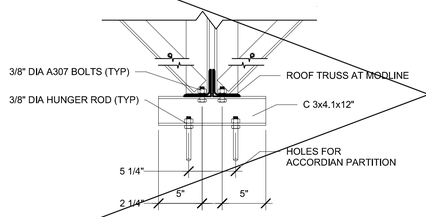
DRAWN BY
rMc/SC

CHECKED BY
RH/RT

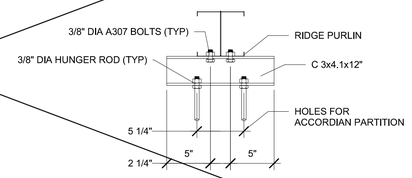
DATE
06/07/2021

SHEET NO.
A7.1

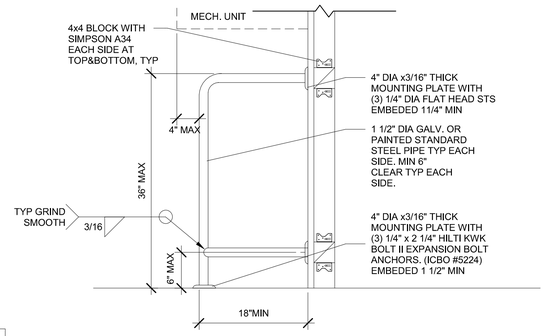
SHEET OF



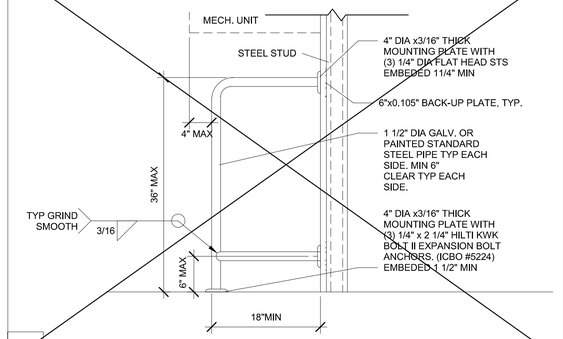
2 *1 1/2" = 1'-0"*
ACCORDIAN DOOR - TOP CONN AT TRUSS



1 *1 1/2" = 1'-0"*
ACCORDIAN DOOR - TOP CONN AT PURLIN

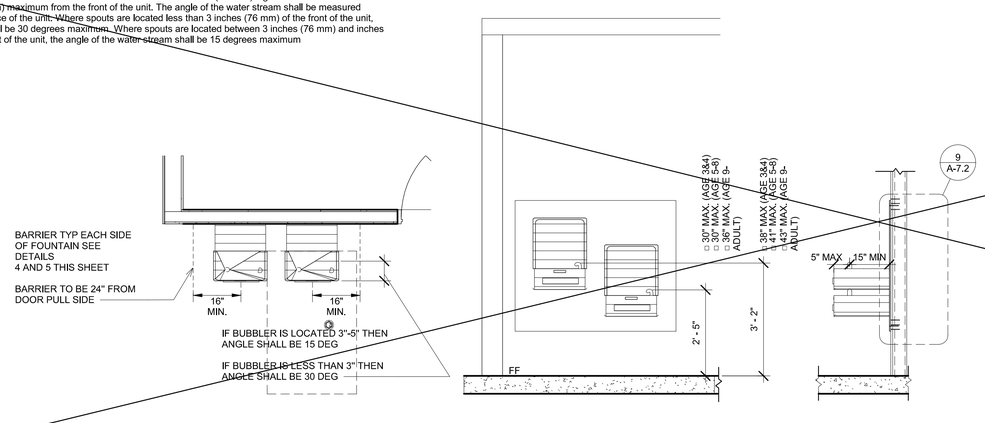


5 *1" = 1'-0"*
HVAC BARRIER at wood stud

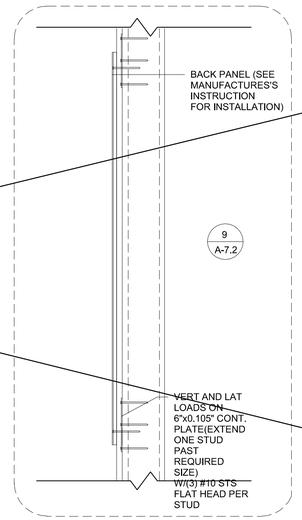


4 *1" = 1'-0"*
HVAC BARRIER at steel stud

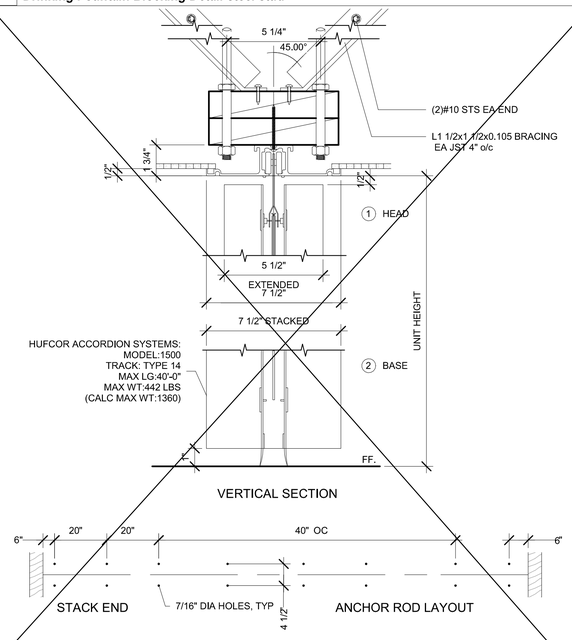
11B-602.6 WATER FLOW. THE SPOUT PROVIDE A FLOW OF WATER 4 INCHES (102mm) high minimum and shall be located 5 inches (127 mm) maximum from the front of the unit. The angle of the water stream shall be measured horizontally relative to the front face of the unit. Where spouts are located less than 3 inches (76 mm) of the front of the unit, the angle of the water stream shall be 30 degrees maximum. Where spouts are located between 3 inches (76 mm) and inches (127 mm) maximum from the front of the unit, the angle of the water stream shall be 15 degrees maximum



WATER FLOW FROM BUBBLER SHALL BE 4" MIN

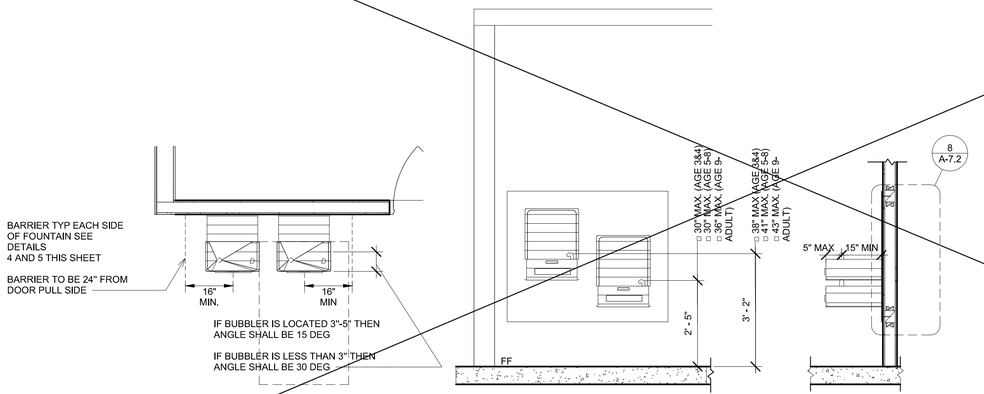


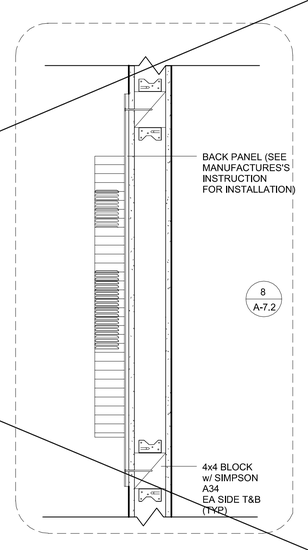
6 *1/2" = 1'-0"*
Drinking Fountain Blocking Detail steel stud



3 *3" = 1'-0"*
OPTION FOR ACCORDION PARTITION ATTACHMENT

11B-602.6 WATER FLOW. THE SPOUT PROVIDE A FLOW OF WATER 4 INCHES (102mm) high minimum and shall be located 5 inches (127 mm) maximum from the front of the unit. The angle of the water stream shall be measured horizontally relative to the front face of the unit. Where spouts are located less than 3 inches (76 mm) of the front of the unit, the angle of the water stream shall be 30 degrees maximum. Where spouts are located between 3 inches (76 mm) and inches (127 mm) maximum from the front of the unit, the angle of the water stream shall be 15 degrees maximum





7 *1/2" = 1'-0"*
Drinking Fountain Blocking Detail wood stud

C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6.7_CESAR24D63.rvt

6/8/2021 12:19:36 AM

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ★ CONSULTING ★ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
ADDITIONAL OPTION DETAILS

PROJECT NUMBER
20093

DRAWN BY
rMc/SC

CHECKED BY
RH/RT

DATE
06/07/2021

SHEET NO.
A7.2

SHEET OF

WIRE SIZE	CAPACITY	WIRE TYPE	NO. OF CONDUCTOR PERMITTED 1/2" C	3/4" C	1" C	1 1/4" C
#12	20A	THHN	9	16	25	45
#10	30A	THHN	5	10	16	28
#8	45A	THHN	2	5	8	14
#6	65A	THHN	1	3	5	10
#4	85A	THHN	1	2	4	7

(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 75 DEG. C. COPPER)

1 CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

BOX	SIZE	CU. IN.	MAX NO. OF CONDUCTORS #12	#10	#8	#6
4SS	1 1/4"x4" SQ	18.0	8	7	6	0
4S	1 1/2"x4" SQ	21.0	9	8	7	0
4SD	2 1/8"x4" SQ	30.3	13	12	10	6
4SX	2 7/8"x4" SQ	43.5	23	21	17	10
5SD	2 1/8"x4-11/16" SQ	42.0	18	16	14	6
5SX	3 7/8"x4-11/16" SQ	86.0	38	34	28	17
664	4"x6" SQ	144.0	64	57	48	28

* DEDUCT ONE CONDUCTOR FOR (1) OR MORE GROUNDING CONDUCTORS ENTERING THE BOX

2 JUNCTION BOX SIZE TABLE

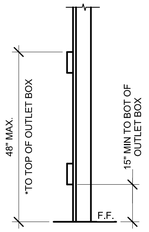
915.4 CARBON MONOXIDE ALARMS. CARBON MONOXIDE ALARMS SHALL COMPLY WITH SECTIONS 915.4.1 THROUGH 915.4.4.

[F] 915.4.1 POWER SOURCE. CARBON MONOXIDE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING WHERE SUCH WIRING IS SERVED FROM A COMMERCIAL SOURCE, AND WHEN PRIMARY POWER IS INTERRUPTED, SHALL RECEIVE POWER FROM BATTERY. WIRING SHALL BE PERMANENT AND WITH-OUT A DISCONNECTING SWITCH OTHER THAN REQUIRED FOR OVERCURRENT PROTECTION.

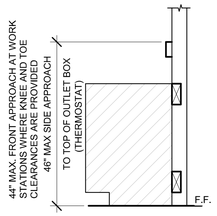
915.2.3 GROUP E OCCUPANCIES. CARBONS MONOXIDE DETECTION SHALL BE INSTALLED IN CLASSROOMS IN GROUP E OCCUPANCIES. CARBON MONOXIDE ALARM SIGNALS SHALL BE AUTOMATICALLY TRANSMITTED TO AN ON-SITE LOCATION THAT IS STAFFED BY SCHOOL PERSONNEL.

915.3 DETECTION EQUIPMENT. CARBON MONOXIDE DETECTION REQUIRED BY SECTIONS 915.1 THROUGH 915.2.3 SHALL BE PROVIDED BY CARBON MONOXIDE DETECTION SYSTEMS COMPLYING WITH SECTION 915.5.

3 CARBON MONOXIDE DETECTION - SECTION 915

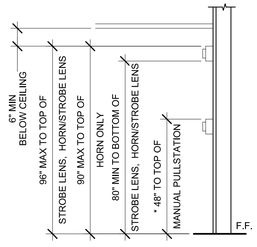


* 30"x48" MIN CLR FLOOR SPACE AT EACH LOCATION FOR PERPENDICULAR APPROACH



OVER OBSTRUCTION

4 MOUTING ELEV.



NOTES:

1. PROVIDE MIN 30"x48" CLR FLOOR SPACE FOR PERPENDICULAR APPROACH AT EACH LOCATION.

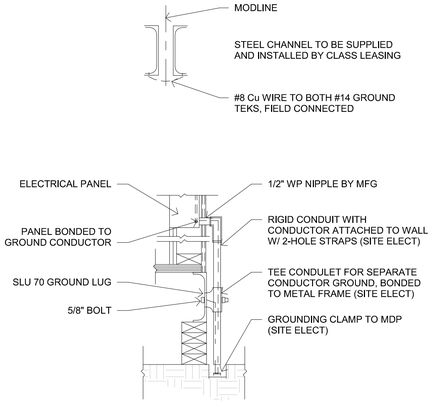
2. THE SWITCH OR SWITCHES INSTALLED IN EMERGENCY LIGHTING CIRCUITS SHALL BE SO ARRANGED THAT ONLY AUTHORIZED PERSONNEL WILL HAVE CONTROL OF EMERGENCY LIGHTING. (CEC art. 700.20)

3. PROVIDE SPACE ON ELECTRICAL PANEL FOR LOCK-ON BREAKER, IDENTIFIED WITH RED MARKING, FOR 120 VOLTS FIRE ALARM CIRCUIT. WITH BREAKER LABELED AS FIRE ALARM CIRCUIT, CEC 760.41 (B). BREAKER AND CIRCUIT PROVIDED AND INSTALLED ON SITE BY OTHERS.

4. SMOKE AND HEAT DETECTOR CONDUIT AND DEVICES TO BE PROVIDED AND INTERCONNECTED TO THE FIRE ALARM SYSTEMS ON SITE BY OTHERS.

5. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM SYSTEM FOR ALL SITES. THE FIRE ALARM SYSTEM AND COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.

5 FIRE ALARM MOUNTING HEIGHTS



NOTES:

1. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELEC'L. PANEL & TO METAL BUILDING FRAME (CEC 250.52) IN ADDITION TO THE DETAIL SHOWN ABOVE. BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52)

2. TESTING FOR RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6 FEET, UNTIL RESISTANCE REDUCES TO 25 OHMS OR LESS. GROUND TEST MUST BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR AND ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250.56

3. ELEC. TRADE SHALL CHECK AREA FOR EXISTING CONDUITS, SEWER, GAS & WATER PIPING BEFORE DRIVING GROUND RODS.

4. ALL MODULES OF STEEL FRAME BLDGS. SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). BONDING SHALL INCLUDE METAL RAMP & STAIRS.

5. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66

6. EACH BUILDING SHALL BE GROUNDED SEPARARELY WITH A ¾" ROUND X 8 FEET COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTOOM IS FOUND, DRIVE ROD AT 45 DEGREES MAXIMUM FROM THE VERTICAL OR HAVE IT BURIED IN A TRENCH 30" DEEP MINIMUM.

6 TYPICAL GROUNDING DETAILS

REFER TO DSA IR 16-8 & STATE FIRE MARSHAL SOLAR PHOTOVOLTAIC INSTALLATION GUIDELINE

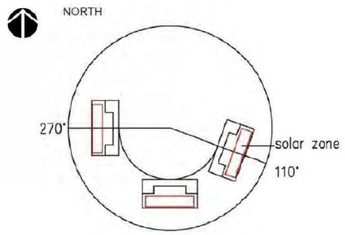
REFER TO **SECTION 110.10 - MANDATORY REQUIREMENTS FOR SOLAR READY BUILDINGS**
SOLAR ZONE AREAS WILL VARY DEPENDING ON PC BUILDING LOCATION.

MINIMUM AREA:

15% OF ROOF AREA (EXCLUDING ANY SKYLIGHT AREA) TO BE RESERVED FOR SOLAR PANEL APPLICATION OR SOLAR READY WILL BE SUPPLIED FROM A BUILDING OR STRUCTURE WITHIN 250 FT OF PC BUILDING.

ORIENTATION:

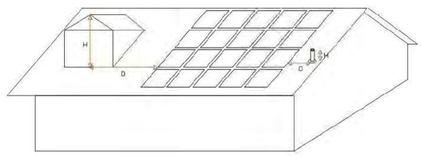
ALL SECTIONS OF THE SOLAR ZONE LOCATED ON STEEP-SLOPED ROOFS GREATER THAN 2:12 SHALL BE ORIENTED BETWEEN 110 DEGREES AND 270 DEGREES OF TRUE NORTH.



SHADING:

ANY OBSTRUCTION, LOCATED ON THE ROOF OR ANY OTHER PART OF THE BUILDING THAT PROJECTS ABOVE THE SOLAR ZONE SHALL BE LOCATED AT A SUFFICIENT HORIZONTAL DISTANCE AWAY FROM THE SOLAR ZONE, IN ORDER TO REDUCE THE RESULTING SHADING OF THE SOLAR ZONE. FOR EACH OBSTRUCTION, THE HORIZONTAL DISTANCE ("D") FROM THE OBSTRUCTION TO THE SOLAR ZONE SHALL BE AT LEAST TWO TIMES THE HEIGHT DIFFERENCE ("H") BETWEEN THE HIGHEST POINT OF THE OBSTRUCTION AND THE HORIZONTAL PROJECTION OF THE NEAREST POINT OF THE SOLAR ZONE.

D ≥ 2 x H



SOURCE: CALIFORNIA ENERGY COMMISSION

STRUCTURAL DESIGN LOADS:

ENTIRE ROOF SURFACE IS DESIGNED STRUCTURALLY TO ACCOMMODATE SOLAR PANELS = 3 PSF

INTERCONNECTION PATHWAYS:

THE LOCATION FOR INVERTERS AND METERING EQUIPMENT AND A PATHWAY FOR ROUTING OF CONDUIT FROM THE SOLAR ZONE TO THE POINT OF INTERCONNECTION WITH THE ELECTRICAL SERVICE WILL VARY DEPENDING ON PC BUILDING LOCATION.

7 SOLAR ZONE AREA

LEGEND

ELECTRICAL PANEL AT +60" AFF TO TOP OF ELECTRICAL PANEL WITH 1 1/2" DIA POWER STUB OUT

ROOF MOUNTED HVAC UNIT-SEE MECHANICAL DWGS

WALL MOUNTED HVAC UNIT, SEE MECHANICAL DWGS

100 CFM CEILING MOUNTED EXHAUST FAN, INTERLOCKED WITH LIGHT SWITCH

HM — 4SD J-BOX FOR WATER HEATER LOCATE ABOVE CEILING W/ COVER PLATE, HARD WIRE TO UNIT
4SD J-BOX IN ATTIC FOR ATTIC MOUNTED HEAT DETECTOR (DEVICE BY OTHERS), MAXIMUM 35'-0" FROM ANY POINT IN ATTIC BUT NOT MORE THAN 25'-0" FROM TWO PERPENDICULAR WALL AND 50'-0" BETWEEN THEM, PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO HEAT DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)

H — 4SD J-BOX IN ATTIC FOR CEILING MOUNTED SMOKE DETECTOR (DEVICE BY OTHERS), MAXIMUM 21'-0" FROM ANY POINT IN ROOM BUT NOT MORE THAN 15'-0" TO A PERPENDICULAR WALL AND 30'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO SMOKE DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)

S — RECESSED 4SD J-BOX W/ COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULLSTRING

H — 4SD J-BOX FOR EXTERIOR FIRE ALARM HORN (DEVICE BY OTHERS). MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULLSTRING

4SD J-BOX/SINGLE GANG MUD RING FOR FIRE ALARM STROBE (DEVICE BY OTHERS). BOTTOM OF LENS 80" MIN TOP OF LENS 96" MAX AFF WITH 3/4"CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULLSTRING

4SD J-BOX/ SINGLE GANG MUD RING FOR FIRE ALARM PULL STATION (DEVICE BY OTHERS). MOUNT AT +48" AFF TO TOP OF CONTROL BOX WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULLSTRING

EXIT — EXIT SIGN WITH BATTERY BACK UP. EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS. FLS 90' BACK UP. CLASSROOMS WITH ONE EXTERIOR DOOR-OPTIONAL.

CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE

EXTERIOR LED LIGHT FIXTURE. 30w MAX WITH PHOTOCELL MOUNT AT +93" AFF

ROOF — ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE

GFI — GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE WITHIN 6'-0" OF ALL SINKS

WP — EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24" AFF FOR A/C SERVICES (MAX 25'-0" FROM UNITS)

DUPLEX (WALL MOUNTED) RECEPTACLE 15A-125V-3 WIRE. MOUNT AT +15" AFF U.O.N. TO BOTTOM OF OUTLET BOX

MIN. + 15" TO BOTTOM OF BOX

$3 — 3-WAY LIGHT SWITCH. MOUNT AT+48" AFF TO TOP OF SWITCH BOX

$ — LIGHT SWITCH. MOUNT AT+48" AFF TO TOP OF SWTICH BOX

$D — SINGLE BUTTON DIMMER SWITCH, AT +48" AFF, TO TOP OF SWITCH BOX, WATTSTOPPER #LMDM-101 OR EQUAL

WS-1 — SINGLE SWITCH WALL OCCUPANCY SENSOR.
WATTSTOPPER PW-100 OR EQUAL. SENSOR TO BE MOUNTED AT +44" AFF AND USE FOR OPEN ROOM (OR RESTROOM) LESS THAN 100 SQ FT W/ (1) CIRCUIT.

US — ULTRASONIC CEILING OCCUPANCY SENSOR.
WATTSTOPPER W-500A OR EQUAL. SENSOR TO BE CONNECTED TO KEYED LIGHT SWITCHES FOR MANUAL OVERRIDE AND USE FOR RESTROOM W/ PARTITIONS.

PC — CEILING MOUNTED PHOTOCELL, WATTSTOPPER #LMLS-500 OR EQUAL

OS — CEILING MOUNTED OCCUPANCY SENSOR.
WATTSTOPPER #LMPC-100 OR EQUAL.

2x4 CEILING LIGHT WITH (3) LED PANELIGHT, LAY-IN LIGHT FIXTURE WITH DIMMABLE BALLAST
DIMI LIGHTING-MODEL DM-P72448W-40K-ZZ
WATTAGE: 48W (48" LG) OR EQUAL

2x4 CEILING LIGHT WITH (3) LED PANELIGHT, LAY-IN LIGHT FIXTURE WITH DIMMABLE BALLAST
DIMI LIGHTING-MODEL DM-P72448W-40K-ZZ
WATTAGE: 48W (48" LG) OR EQUAL
EACH LIGHT FIXTURE WHICH IS INDICATED AS BEING AN EMERGENCY LIGHT SHALL HAVE A BALLAST BATTERY PACK INSTALLED ON THE FIXTURE. THE BATTERY PACK SHALL PROVIDE POWER TO A SINGLE LAMP WITHIN THE FIXTURE FOR NO LESS THAN 90 MINUTES. ANY LIGHT FIXTURE Equipped WITH A BATTERY PACK SHALL BE WIRED IN SUCH A MANNER THAT THE BATTERY WILL BE ACTIVATED IMMEDIATELY UPON LOSS OF POWER TO THE FIXTURE. ADDITIONALLY THE BATTERY PACK SHALL BE OPERATED USING BATTERY POWER LIGHTING CONTROL SWITCHES AND SENSORS SHALL NOT BE ABLE TO SHUT THE FIXTURE OFF.

NOTE: SEE 4/A3.2 FOR PHOTOMETRIC DATA

8 1" = 1'-0" ELECTRICAL LEGEND

1. INSTALLATION SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) - 2017 EDITION AND NATIONAL FIRE PROTECTION ASSOCIATION FIRE CODES (NFPA). AND 2016 CBC ELECTRICAL CODE.
2. ELECTRICAL EQUIPMENT LOCATIONS INDICATED ARE SHOWN DIAGRAMMATICALLY, EXACT LOCATION SHALL BE VERIFIED AND ADJUSTED FOR FIELD CONDITIONS.
3. RECEPTACLES AND TELEPHONE/DATA OUTLETS SHALL BE INSTALLED 18" AFF TO THE CENTER OF THE DEVICE, UNLESS NOTED OTHERWISE.
4. CONTRACTOR SHALL FIELD TEST AND PROVIDE TEST REPORT VERIFYING THAT RECEPTACLES ARE WIRED AND FUCTION PROPERLY.
5. CONTRACTOR SHALL LABEL EACH RECEPTACLE, LIGHT FIXTURE, TOGGLE SWITCH, SAFETY SWITCH AND OCCUPANCY SENSOR WITH PANEL NAME AND BRANCH CIRCUIT ID.
6. WEATHERPROOF RECEPTACLES SHALL BE TYPE TO PROTECT RECEPTACLE FROM WEATHER WHEN PLUG INSERTED.
7. THE MATERIAL REQUIRED FOR THE WORK SHALL BE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED, UNLESS SPECIFICALLY NOTED OTHERWISE, CONTRACTOR SHALL ASSUME NOTES LISTING MATERIAL AND/OR EQUIPMENT BEGIN WITH THE WORDS "SUPPLY AND INSTALL" U.O.N.".
8. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS BEFORE SUBMITTING MATERIAL AND BECOME THOROUGHLY FAMILIAR WITH ACTUAL EXISTING CONDITIONS AT THE SITE. BY THE ACT OF SUBMITTING PROPOSED MATERIALS FOR THE WORK, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH STUDY AND EXAMINATION AND TO ACCEPT ALL CONDITIONS RESENT AT THE SITE. NO REQUEST FOR ADDITIONAL PAYMENT WILL BE CONSIDERED AS VALID, DUE TO FAILURE TO ALLOW FOR CONDITIONS, WHICH MAY EXIST.
9. CONTRACTOR'S SCOPE SHALL INCLUDE ALL WORK SHOWN ON THE PLANS AND SPECIFICATIONS. SUBSTITUTION REQUESTS FOR EQUIPMENT SPECIFIED SHALL BE SUBMITTED FOR CONSIDERATION TO THE OWNER AND ENGINEER IN WRITING. ALL SUBSTITUTIONS MUST BE REVIEWED BY THE ENGINEER. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS, AND THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS OWN EXPENSE FOR ANY CHARGES RESULTING FROM HIS PROPOSED SUBSTITUTIONS WHICH AFFECT OTHER PARTS OF HIS OWN WORK, THE OWNER, ENGINEER OF RECORD, OR THE WORK OF OTHER CONTRACTORS.
10. COORDINATE ALL WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.
11. UNINTERRUPTED EXISTING ELECTRICAL POWER SHALL BE MAINTAINED TO OTHER TRADES FOR TEMPORARY POWER AREAS OF THE SITE DURING CONSTRUCTION. PROVIDE ANY TEMPORARY SERVICES AS MAY BE REQUIRED. IDENTIFY AT BID TIME.
12. ALL PENETRATIONS IN RATED WALLS (INDICATED IN ARCHITECTURAL LIFE SAFETY PLANS), ARE TO BE INSTALLED USING THE APPROPRIATE UL RATED PENETRATION ASSEMBLIES.
13. EQUIPMENT SHALL BE LISTED, LABELED OR CERTIFIED FOR ITS USE BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) AS RECOGNIZED BY THE U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AN HEALTH ADMINISTRATION.
14. ALL ELECTRICAL EQUIPMENT CONNECTORS SHALL BE 75° RATED.
15. ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.
    A. ALL PERMANENT EQUIPMENT AND COMPONENTS.
    B. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
    C. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.
16. THE ATTACHMENT OF THE FOLLOWING ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.
    A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
    B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.
17. FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT I NSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.
18. ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6 AND 2016 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26
19. THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.
20. COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AN BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS.
21. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.
22. ELEC. TRADE SHALL CHECK AREA FOR EXISTING CONDUITS, SEWER, GAS & WATER PIPING BEFORE DRIVING GROUND RODS.
23. NON-CURRENT CARRYING METAL PARTS OF THE SYSTEM SHALL BE PROPERLY GROUNDED TO COMPLY WITH NEC REQUIREMENTS.
24. EACH BUILDING SHALL BE GROUNDED SEPARARELY WITH A ¾" ROUND X 8 FEET COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTOOM IS FOUND, DRIVE ROD AT 45 DEGREES MAXIMUM FROM THE VERTICAL OR HAVE IT BURIED IN A TRENCH 30" DEEP MINIMUM.
25. TESTING FOR RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6 FEET, UNTIL RESISTANCE REDUCES TO 25 OHMS OR LESS. GROUND TEST MUST BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR AND ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250
26. PROVIDE A GREEN WIRE GROUND CONDUCTOR IN ALL CONDUITS WITH POWER OR LIGHTING CONDUCTORS.
27. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELEC'L. PANEL & TO METAL BUILDING FRAME (CEC 250.52) IN ADDITION TO THE DETAIL SHOWN ABOVE. BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52)
28. CHECK RESISTANT TO GROUND ROD. IF RESISTANCE EXCEEDS 25 OHMS. INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (CEC 250.56).
29. ALL MODULES OF STEEL FRAME BLDGS. SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). BONDING SHALL INCLUDE METAL RAMP & STAIRS.
30. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66
31. PER CEC210.8(B) ALL RECEPTACLES AT THE FOLLOWING LOCATIONS SHALL HAVE GROUND-FAULT CIRCUIT INTERRUPTER (GFCI) - (1) BATHROOMS, (2) KITCHENS, (3) SINKS (WITHIN 6 FT), (4) INDOOR WET AREAS, (5) LOCKER ROOMS, (6) GARAGE, SERVICE BAYS OR SIMILAR, (7) ROOFTOPS, (8) OUTDOORS.
32. IF CLOSED BY GWB INSTALL ONE ATTIC HEAT DETECTOR PER MODULE: WHEN STANDARD OPEN WEB TRUSS SYSTEM IS USED ADDITIONAL ATTIC HEAT DETECTORS ARE NOT REQUIRED.

9 ELECTRICAL GENERAL NOTES

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ★ CONSULTING ★ PROJECT MGT
11590 W. BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
PHONE: (858) 444-3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
ELECTRICAL GENERAL NOTES

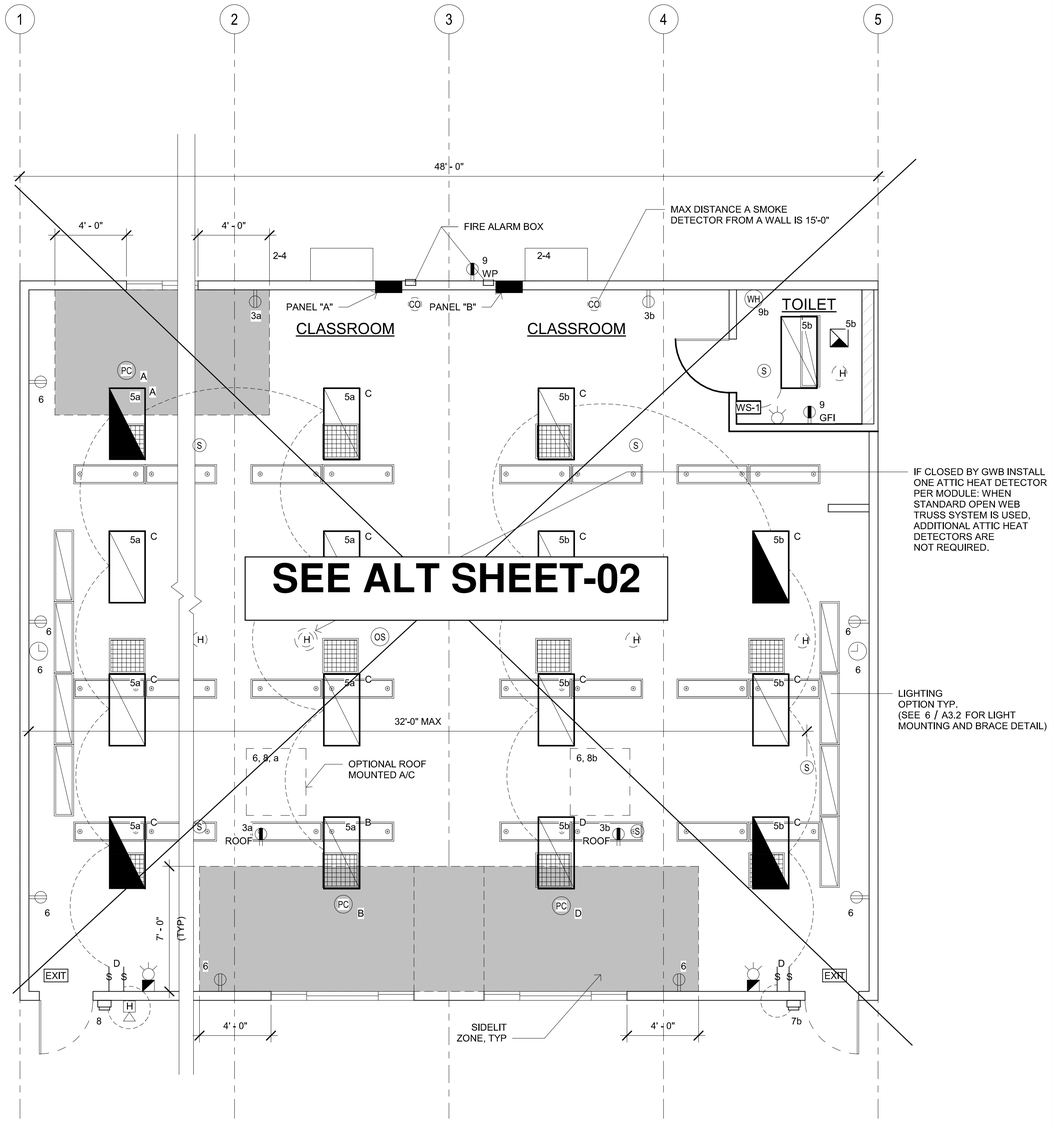
PROJECT NUMBER 20093
DRAWN BY AM
CHECKED BY RT
DATE 06/07/2021
SHEET NO. E0.1
SHEET OF

6/8/2021 12:19:39 AM C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6.7_CES4R24D63.rvt

SYMBOL

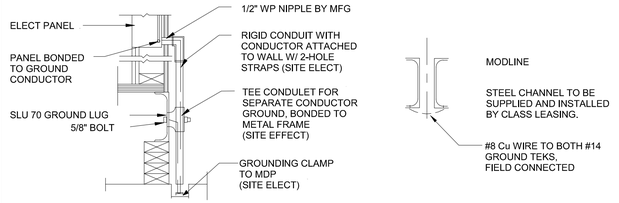
SOLAR TUBE DIFFUSER

TUBE SIZE=21"(530mm)
LIGHT COVERAGE AREA=250-300ft² (23-28m)



NOTE: PROVIDE A MINIMUM OF 72 SF SOLAR READY AREA PER MODULE. AREA TO BE A MINIMUM OF 5' IN ANY DIRECTION WITH A MINIMUM SPACE OF 80 SF PER BUILDING.

1 ***1/4" = 1'-0"***
ELECTRICAL PLAN



NOTES:

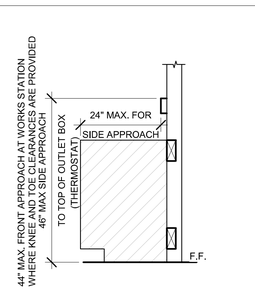
1. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELEC'L. PANEL & TO METAL BUILDING FRAME (CEC 250.52) IN ADDITION TO THE DETAIL SHOWN ABOVE. BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52)

2. CHECK RESISTANT TO GROUND ROD. IF RESISTANCE EXCEEDS 25 OHMS. INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (CEC 250.56).

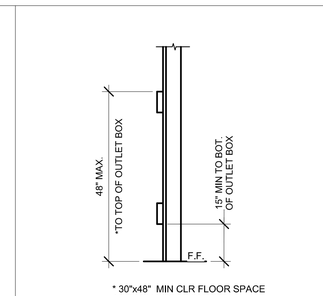
3. ELEC. TRADE SHALL CHECK AREA FOR EXISTING CONDUITS, SEWER, GAS & WATER PIPING BEFORE DRIVING GROUND RODS.

4. ALL MODULES OF STEEL FRAME BLDGS. SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). BONDING SHALL INCLUDE METAL RAMP & STAIRS.

5. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66

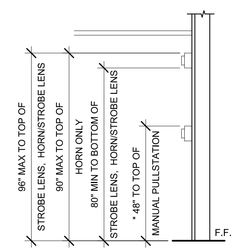


3 ***1" = 1'-0"***
ELEV. @ WORKSTATION



* 30"x48" MIN CLR FLOOR SPACE AT EACH LOCATION FOR PERPENDICULAR APPROACH

4 ***1" = 1'-0"***
MOUNTING ELEV.



* PROVIDE MIN 30"x48" CLR FLOOR SPACE FOR PERPENDICULAR APPROACH AT EACH LOCATION

THE SWITCH OR SWITCHES INSTALLED IN EMERGENCY LIGHTING CIRCUITS SHALL BE SO ARRANGED THAT ONLY AUTHORIZED PERSONNEL WILL HAVE CONTROL OF EMERGENCY LIGHTING. (CEC art. 700.20)

GENERAL GROUNDING NOTES

EACH BUILDING SHALL BE GROUNDED SEPARARELY WITH A ¾" ROUND X 8 FEET COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTOOM IS FOUND, DRIVE ROD AT 45 DEGREES MAXIMUM FROM THE VERTICAL OR HAVE IT BURIED IN A TRENCH 30" DEEP MINIMUM.

TESTING FOR RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6 FEET, UNTIL RESISTANCE REDUCES TO 25 OHMS OR LESS. GROUND TEST MUST BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR AND ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250

EQUIPMENT ANCHORAGE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL SYSTEM BRACING OF

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6 AND 2019 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AN BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

FIRE ALARM NOTES

PROVIDE SPACE ON ELECTRICAL PANEL FOR LOCK-ON BREAKER, IDENTIFIED WITH RED MARKING, FOR 120 VOLTS FIRE ALARM CIRCUIT, WITH BREAKER LABELED AS FIRE ALARM CIRCUIT, CEC 760.41 (B).
BREAKER AND CIRCUIT PROVIDED AND INSTALLED ON SITE BY OTHERS.

SMOKE AND HEAT DETECTOR CONDUIT AND DEVICES TO BE PROVIDED AND INTERCONNECTED TO THE FIRE ALARM SYSTEMS ON SITE BY OTHERS

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM SYSTEM FOR ALL SITES. THE FIRE ALARM SYSTEM AND COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 75 DEG. C. COPPER)

WIRE SIZE	CAPACITY	WIRE TYPE	NO. OF CONDUCTOR 1/2" C	3/4" C	1" C	1 1/4" C
#12	20A	THHN	9	16	25	45
#10	30A	THHN	5	10	16	28
#8	45A	THHN	2	5	8	14
#6	65A	THHN	1	3	5	10
#4	85A	THHN	1	2	4	7

JUNCTION BOX SIZE TABLE

BOX	SIZE	CU. IN.	MAX NO. OF CONDUCTORS #12	#10	#8	#6
4SS	1 1/4"x4" SQ	18.0	8	7	6	0
4S	1 1/2"x4" SQ	21.0	9	8	7	0
4SD	2 1/8"x4" SQ	30.3	13	12	10	6
4SX	2 7/8"x4" SQ	43.5	23	21	17	10
5SD	2 1/8"x4-11/16" SQ	42.0	18	16	14	6
5SX	3 7/8"x4-11/16" SQ	86.0	38	34	28	17
664	4"x6" SQ	144.0	64	57	48	28

* DEDUCT ONE CONDUCTOR FOR (1) OR MORE GROUNDING CONDUCTORS ENTERING THE BOX

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
ELECTRICAL PLAN
48x40 thru 120x40

PROJECT NUMBER
20093

DRAWN BY
rMc/SC

CHECKED BY
RH/RT

DATE
06/07/2021

SHEET NO.
E1.4

SHEET OF

PANEL A= 100A	120/208 VOLTS, 1ϕ, 3 WIRE		MAIN LUGS ONLY							
	LOADCENTER	SURFACE MOUNTED						GRD & NEUTRAL BARS	AMP BUS	
	VOLTAMPS		10000 AIC					VOLTAMPS		
DESCRIPTION	ϕ A	ϕ B	C/B	CKT	ϕ	CKT	C/B	ϕA	ϕ B	DESCRIPTION
AC WALL MOUNTED- 4 TON	7360		30	1	A	2	20	1080		OUTLETS
										R GFI WP/GC
GENERAL LIGHTING/FA										FI WPGC
EXTERIOR LIGHTING										
DED SOLAR READY										
DED SOLAR READY										
SUBTOTAL	ϕ A 8560	ϕ B 7400						ϕ A 1260	ϕ B 180	SUBTOTAL
TOTAL	9820	7580	9820/120 VOLTS= 81.84 A 81.84 + 1.07= 91.91							

SEE ALT SHEET-02

2 *1" = 1'-0"*
ELECTRICAL PANEL_A

PANEL A= 100A	120/208 VOLTS, 1ϕ, 3 WIRE		MAIN LUGS ONLY							
	LOADCENTER	SURFACE MOUNTED						GRD & NEUTRAL BARS	AMP BUS	
	VOLTAMPS		10000 AIC					VOLTAMPS		
DESCRIPTION	ϕ A	ϕ B	C/B	CKT	ϕ	CKT	C/B	ϕA	ϕ B	DESCRIPTION
AC ROOF MOUNTED- 4 TON	7360		30	1	A	2	20	1080		OUTLETS
		7360	30	3	B	4	20		180	EXTERIOR GFI WP/GC
GENERAL LIGHTING/FAN	1020		20	5	A	6	20	180		ROOF GFI WPGC
EXTERIOR LIGHTING		40	20	7	B	8	20			
BATH GFI	180		20	9	B	10	20			
DED SOLAR READY										
DED SOLAR READY										
SUBTOTAL	ϕ A 8560	ϕ B 7400						ϕ A 1260	ϕ B 180	SUBTOTAL
TOTAL	9820	7580	9820/120 VOLTS= 81.84 A 81.84 + 1.07= 91.91							

3 *1" = 1'-0"*
ELECTRICAL PANEL_B

LEGEND

ELECTRICAL PANEL AT +60" AFF TO TOP OF ELECTRICAL PANEL WITH 1 1/2" DIA POWER STUB OUT

ROOF MOUNTED HVAC UNIT-SEE MECHANICAL DWGS

WALL MOUNTED HVAC UNIT, SEE MECHANICAL DWGS

100 CFM CEILING MOUNTED EXHAUST FAN, INTERLOCKED WITH LIGHT SWITCH

HM — 4SD J-BOX FOR WATER HEATER LOCATE ABOVE CEILING W/ COVER PLATE, HARD WIRE TO UNIT

H — 4SD J-BOX IN ATTIC FOR ATTIC MOUNTED HEAT DETECTOR (DEVICE BY OTHERS), MAXIMUM 35'-0" FROM ANY POINT IN ATTIC BUT NOT MORE THAN 25'-0" FROM TWO PERPENDICULAR WALL AND 50'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO HEAT DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)

S — 4SD J-BOX IN ATTIC FOR CEILING MOUNTED SMOKE DETECTOR (DEVICE BY OTHERS), MAXIMUM 21'-0" FROM ANY POINT IN ROOM BUT NOT MORE THAN 15'-0" TO A PERPENDICULAR WALL AND 30'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO SMOKE DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)

RECESSED 4SD J-BOX W/ COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULLSTRING

H — 4SD J-BOX FOR EXTERIOR FIRE ALARM HORN (DEVICE BY OTHERS), MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULLSTRING

4SD J-BOX/SINGLE GANG MUD RING FOR FIRE ALARM STROBE (DEVICE BY OTHERS). BOTTOM OF LENS 80" MIN TOP OF LENS 96" MAX AFF WITH 3/4"CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULLSTRING

4SD J-BOX/ SINGLE GANG MUD RING FOR FIRE ALARM PULL STATION (DEVICE BY OTHERS), MOUNT AT +48" AFF TO TOP OF CONTROL BOX WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULLSTRING

EXIT — EXIT SIGN WITH BATTERY BACK UP. EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS. FLS 90' BACK UP. CLASSROOMS WITH ONE EXTERIOR DOOR-OPTIONAL.

CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE

EXTERIOR LED LIGHT FIXTURE. 30w MAX WITH PHOTOCELL MOUNT AT +93" AFF

ROOF — ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE

GFI — GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE WITHIN 6'-0" OF ALL SINKS

WP — EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24" AFF FOR A/C SERVICES (MAX 25'-0" FROM UNITS)

DUPLEX (WALL MOUNTED) RECEPTACLE 15A-125V-3 WIRE. MOUNT AT +15" AFF U.O.N. TO BOTTOM OF OUTLET BOX

MIN. + 15" TO BOTTOM OF BOX

$3 — 3-WAY LIGHT SWITCH. MOUNT AT+48" AFF TO TOP OF SWITCH BOX

$ — LIGHT SWITCH. MOUNT AT+48" AFF TO TOP OF SWTICH BOX

$D — SINGLE BUTTON DIMMER SWITCH, AT +48" AFF, TO TOP OF SWITCH BOX, WATTSTOPPER #LMDM-101 OR EQUAL

WS-1 — SINGLE SWITCH WALL OCCUPANCY SENSOR. WATTSTOPPER PW-100 OR EQUAL. SENSOR TO BE MOUNTED AT +44" AFF AND USE FOR OPEN ROOM (OR RESTROOM) LESS THAN 100 SQ FT W/ (1) CIRCUIT.

US — ULTRASONIC CEILING OCCUPANCY SENSOR. WATTSTOPPER W-500A OR EQUAL. SENSOR TO BE CONNECTED TO KEYED LIGHT SWITCHES FOR MANUAL OVERRIDE AND USE FOR RESTROOM W/ PARTITIONS.

PC — CEILING MOUNTED PHOTOCELL, WATTSTOPPER #LMLS-500 OR EQUAL

OS — CEILING MOUNTED OCCUPANCY SENSOR. WATTSTOPPER #LMPC-100 OR EQUAL.

2x4 CEILING LIGHT WITH (3) LED PANELIGHT, LAY-IN LIGHT FIXTURE WITH DIMMABLE BALLAST
DIMI LIGHTING-MODEL DM-P72448W-40K-ZZ
WATTAGE: 48W (48" LG) OR EQUAL

2x4 CEILING LIGHT WITH (3) LED PANELIGHT, LAY-IN LIGHT FIXTURE WITH DIMMABLE BALLAST
DIMI LIGHTING-MODEL DM-P72448W-40K-ZZ
WATTAGE: 48W (48" LG) OR EQUAL
EACH LIGHT FIXTURE WHICH IS INDICATED AS BEING AN EMERGENCY LIGHT SHALL HAVE A BALLAST BATTERY PACK INSTALLED ON THE FIXTURE. THE BATTERY PACK SHALL PROVIDE POWER TO A SINGLE LAMP WITHIN THE FIXTURE FOR NO LESS THAN 90 MINUTES. ANY LIGHT FIXTURE Equipped WITH A BATTERY PACK SHALL BE WIRED IN SUCH A MANNER THAT THE BATTERY WILL BE ACTIVATED IMMEDIATELY UPON LOSS OF POWER TO THE FIXTURE. ADDITIONALLY THE BATTERY PACK SHALL BE OPERATED USING BATTERY POWER LIGHTING CONTROL SWITCHES AND SENSORS SHALL NOT BE ABLE TO SHUT THE FIXTURE OFF.

NOTE: SEE 4/A3.2 FOR PHOTOMETRIC DATA

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE

PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE

ELECTRICAL SCHEDULE 48x40

PROJECT NUMBER 20093

DRAWN BY rMc/SC

CHECKED BY RH/RT

DATE 06/07/2021

SHEET NO. E1.5

SHEET OF

ABB.	DESCRIPTION	SYMBOL
WM	WALL MOUNTED UNIT (SEE SCHEDULE THIS SHEET)	WM-1
RM	ROOF MOUNTED UNIT (SEE SCHEDULE THIS SHEET)	RM-1
P.O.C	POINT OF CONNECTION	P.O.C
CO	CARBON MONOXIDE SENSOR	CO
BT	BYPASS TIMER	BT
STAT	THERMOSTAT	T
UC	UNDERCUT DOOR	UC
MVD	MANUAL VOLUME DAMPER	
FD	FIRE DAMPER	
VTR	VENT THRU ROOF	
ER	EXHAUST CEILING REGISTER	
CR	RETURN CEILING REGISTER	
CD	SUPPLY CEILING DIFFUSER	
(L)	LINED DUCTWORK	
EAD	EXHAUST AIR DUCT	
RAD	RETURN AIR DUCT	
SAD	SUPPLY AIR DUCT	
EF	EXHAUST FAN	EF -

1 *1" = 1'-0"*
LEGEND

CEILING MOUNTED EXHAUST FAN

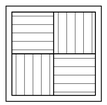
SYM.	USE	MFR/MODEL	CFM	SOUND LEVEL	SP	VOLTS	Ø	POWER	WGT#	NOTES
EF A	BATHROOM EXHAUST	*BROAN L100	109	1.0 SONES	0.25	120	1	87 WATTS	22.80#	WITH BROAN ROOF CAP #634. PROVIDE 6" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF B	BATHROOM EXHAUST	*BROAN L200	210	2.0 SONES	0.25	120	1	127 WATTS	23#	WITH BROAN ROOF CAP #634. PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF C	BATHROOM EXHAUST	*BROAN L300	308	2.8 SONES	0.25	120	1	212 WATTS	23.10#	WITH BROAN ROOF CAP #634. PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF D	BATHROOM EXHAUST	*BROAN 676	100	4.0 SONES	0.25	120	1	156 WATTS	7#	WITH BROAN ROOF CAP #636. PROVIDE 4" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.

*OR APPROVED EQUAL.

2 *1" = 1'-0"*
CEILING MOUNTED EXHAUST FAN SCHEDULE

PERFORATED FACE GRILLE SCHEDULE (SUPPLY)

16x16-4W



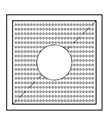
T-BAR SUPPLY

Fixed Curve Blade, 4-way throw

NECK SIZE	CFM (RANGE)	NOTES
6"Ø	0-150	SEE DETAIL FOR MAKE AND MODEL
8"Ø	150-230	SEE DETAIL FOR MAKE AND MODEL
10"Ø	230-350	SEE DETAIL FOR MAKE AND MODEL
12"Ø	350-460	SEE DETAIL FOR MAKE AND MODEL
14"Ø	460-640	SEE DETAIL FOR MAKE AND MODEL

3 *1" = 1'-0"*
PFG SCHED (SUPPLY)

PERFORATED FACE GRILLE SCHEDULE (RETURN)



T-BAR RETURN

Perforated Face

Shoemaker 105P with 24 ga. 45 deg.

NECK SIZE	CFM (RANGE)	NOTES
6"Ø	0-230	SEE MECH CLG PLAN FOR SIZE
10"Ø	230-460	SEE MECH CLG PLAN FOR SIZE
12"Ø	350-460	SEE MECH CLG PLAN FOR SIZE
14"Ø	460-710	SEE MECH CLG PLAN FOR SIZE
16"Ø	277-1664	SEE MECH CLG PLAN FOR SIZE

4 *1" = 1'-0"*
PFG SCHED (RETURN)

EQUIPMENT ANCHORAGE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

BRACING OF PIPING, DUCTWORK AND ELECTRICAL SYSTEM:

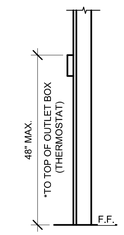
PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6 AND 2016 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AN BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS.

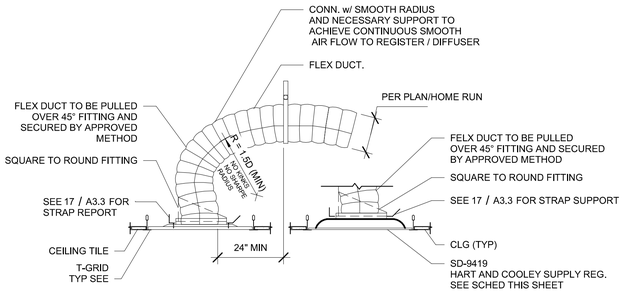
THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

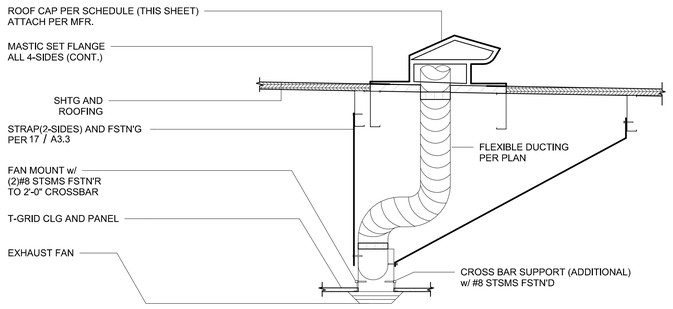
5 *1" = 1'-0"*
EQUIPMENT ANCHORAGE



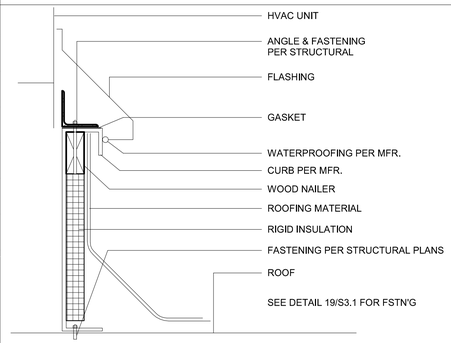
* 30"x48" MIN CLR FLOOR SPACE AT EACH LOCATION FOR PERPENDICULAR APPROACH

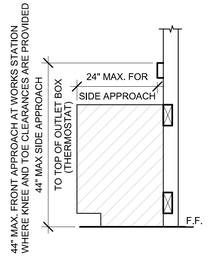
9 *1" = 1'-0"*
MOUNTING ELEV.





SEE ISOMETRIC DETAIL 17/A3.3 FOR STRAPS





10 *1" = 1'-0"*
ELEV. @ WORKSTATION

10.6 EER and 11 EER

SINGLE PACKAGE VERTICAL HEAT PUMP SCHEDULE

	STANDARD	OPTION #1	OPTION #2
TAG	WM-1	WM-1	WM-1
NOMINAL TONNAGE	4.0 TONS	*5 TONS	4 TONS
MANUFACTURER	**BARD	**BARD	**BARD
MODEL#	W48HC-A	C60H1	W48HC-A
CFM	1500	1650	1500
STATIC PRESSURE	0.2	0.2	0.2
DRIVE	DIRECT	DIRECT	DIRECT
MCA	58	67	58
MOCP	60	80	60
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#4/#8	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F (PART/FULL)	25,900/36.00	30,800/40,300	25,900/36,00
TOTAL COOLING @ 95° F (PART/FULL)	34,000/45,500	40,800/55,500	34,000/45,500
HEATING CAP. BTUH @ 47° F (PART/FULL)	29,200/41,500	36,000/51,000	29,200/41,500
HEATING CAP. BTUH @ 17° F	26,000	32,000	26,000
OPERATING WEIGHT	550#	580#	560#
EER	11.00	10.60	11.00
COP @ 47° F	3.00	3.00	3.00
COP @ 17° F	2.00	2.00	2.00

10.6 AND 11.0 EER (GAS ALTERNATE)

SINGLE PACKAGE VERTICAL AIR CONDITIONER WITH GAS FURNACE

	STANDARD	OPTION #1	OPTION #2
TAG	WM-2	WM-2	WM-2
NOMINAL TONNAGE	4.0 TONS	*5 TONS	4 TONS
MANUFACTURER	BARD	**BARD	BARD
MODEL#	C48H1	C60H1	C42H1
CFM	1500	1650	1250
STATIC PRESSURE	0.2	0.2	0.15
DRIVE	DIRECT	DIRECT	DIRECT
MCA	38	40	32
MOCP	50	60	50
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#6/#10	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F (PART/FULL)	35.900/36.000	30,800/40.300	21.700/29.700
TOTAL COOLING @ 95° F (PART/FULL)	34.000/45.500	40,800/55,500	26,800/40,000
HEATING INPUT	75.000	75.000	75.000
HEATING OUTPUT	61.500	61.500	61.500
OPERATING WEIGHT	710#	725#	700#
EER	11.00	10.60	11.00
THERMAL EFFICIENCY (TE)	82	82	82

14 SEER

SINGLE PACKAGE ROOF TOP HEAT PUMP SCHEDULE

	STANDARD	OPTION #1	OPTION #2
TAG	RM-1	RM-1	RM-1
NOMINAL TONNAGE	4.0 TONS	*5 TONS	3 TONS
MANUFACTURER	**CARRIER	**CARRIER	**CARRIER
MODEL#	50VTC48	50VTC48	50VTC48
CFM	1500	1850	1200
STATIC PRESSURE	0.4	0.4	0.15
DRIVE	BELT	BELT	BELT
MCA	64	72	59
MOCP	70	80	60
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#4/#8	#4/#8	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35,260	40,700	30,500
TOTAL COOLING @ 95° F	49,000	58,000	35,600
HEATING CAP. BTUH @ 47° F	45,500	58,000	35,500
HEATING CAP. BTUH @ 17° F	28,600	28,600	18,400
OPERATING WEIGHT	560#	615#	572#
SEER	14.00	14.3	14.00
HSPF	8.0	8.2	8.1
COP @ 47° F	3.4	3.5	3.4
COP @ 17° F	2.4	2.4	2.3

14 SEER (GAS ALTERNATE)

SINGLE PACKAGE ROOF TOP AIR CONDITIONER WITH GAS FURNACE

	STANDARD	OPTION #1	OPTION #2
TAG	RM-2	RM-2	RM-2
NOMINAL TONNAGE	4.0 TONS	*5 TONS	3 TONS
MANUFACTURER	**CARRIER	**CARRIER	**CARRIER
MODEL#	50VTC48	50VTC48	50VTC48
CFM	1500	1875	1200
STATIC PRESSURE	0.4	0.4	0.4
DRIVE	BELT	BELT	BELT
MCA	36.1	41.8	29.6
MOCP	50	60	40
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#6/#10	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35,260	40,700	30,500
TOTAL COOLING @ 95° F	49,000	58,000	45,600
HEATING INPUT	90.000	90.000	90.000
HEATING OUTPUT	73.000	73.000	73.000
OPERATING WEIGHT	590#	618#	572#
SEER	14.00	14.3	14.00
AFUE	80.4%	80.4%	80.4%

ATTACHMENT 3: Mechanical Equipment List

This attachment summarizes all the HVAC equipment and controls required for each size modular building.

Indicate NA for all non-applicable boxes.

Modular size and equipment type	LIST OF MECHANICAL EQUIPMENT* (Any substitutions of equipment made to the approved PC must be equal or better than the equipment listed below.)					Responsible for programming/commissioning (builder or HVAC contractor)
HVAC Equipment Make and Model# Shown on Plans						NA
HVAC Equipment Efficiency Cooling						
Heating						NA
Phase						
BTUH						
Heating						NA
Cooling						
Indoor/Mower Fan Motor CFM @ at 1" w/c WC						NA
Strip Heating Maximum allowed or Not Allowed if not modeled						NA
Thermostat (Sensor) Make and Model: Setback – § 126.01(c) Heat Pumps – § 130.2(b)						(Responsible Person) Required Acceptance Test MECA-MCH-03-A
Shut-off and Reset Make and Model: Occupancy Sensor or 4 hr override – § 131.3(e)						(Responsible Person) Required Acceptance Test MECA-MCH-03-A
Economizer Fault Detection Software Make and Model – § 140.4(e)						(Responsible Person) Required Acceptance Test MECA-MCH-02-A and 03-A
Economizer Controls Make and Model – § 140.4(e)						(Responsible Person) Required Acceptance Test MECA-MCH-02-A and 03-A
Economizer Fault Detection Software Make and Model – § 120.2(i)						(Responsible Person) Required Acceptance Test MECA-MCH-12-A or 13-A
Outside Air In CFM from T24 – § 100.1(c)3						(Responsible Person) Required Acceptance Test MECA-MCH-01-A
Ventilation Air If economizer is not used specify Make and Model:						(Responsible Person) Required Acceptance Test MECA-MCH-01-A
Demand Control Ventilation CO2 Sensor with ppm display Make and Model – § 120.1(c)4						(Responsible Person) Required Acceptance Test MECA-MCH-06-A
Minimum DCV Outside Air in CFM – 35 ft conditioned floor area – § 120.1(c)4						(Responsible Person) Required Acceptance Test MECA-MCH-01-A
Demand Shed Thermostat or Controls Make Model If DSE is the same § 109.3(h)						(Responsible Person) Required Acceptance Test MECA-MCH-11-A

HVAC SCHEDULE

BUILDING SIZE	# OF HVAC 3 1/2 TON HVAC	4 TON HVAC	5 TON HVAC
□ 24' x 40'	1		
□ 36' x 40'		1	
X 48' x 40'	2		
□ 60' x 40'		2	
□ 72' x 40'	3		2
□ 84' x 40'		3	
□ 96' x 40'	4		3
□ 108' x 40'		4	
□ 120' x 40'	5		

MERV 13 AND 2-INCH DEPTH PER ENERGY CODE 120.1(C)1. FILTERS REQ'D FOR ALL UNITS

HVAC NOTES
1. SET BACK THERMOSTAT SHALL BE PROVIDED
2. MINIMUM OUTSIDE AIR 15 CFM PER OCCUPANT AND THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION
3. MODEL NUMBERS FOR HEAT PUMP UNITS WITH OPTIONAL 5.0 AUXILIARY HEAT STRIPS, WHEN THE HEAT STRIP IS NOT USED, THE MCA AND MOCP MUST BE VERIFIED AND HEAT STRIPS LARGER THAN THE SIZES SHOWN MAY NOT BE USED.

*FOR 24x40 BUILDING A 5 TONS UNIT IS ONLY TO BE USED ON COMPUTER LAB APPLICATION

**OR EQUAL

120.1(D)
THERMOSTAT SHALL BE PROGRAMED WITH EXPECTED OCCUPIED TIMES.AIR HANDLER FAN WILL BE PROGRAMED TO RUN DURING ALL OCCUPIED TIMES.PRE-OCCUPANCY PURGE SHALL BE PROGRAMED ONE HOUR PRIOR TO THE MODULAR BUILDING BEING NORMALLY OCCUPIED.

FOR ROOF MOUNTED HVAC UNITS A GASKET SHALL BE PLACED BETWEEN THE CURB AND THE HVAC UNIT.MASTIC SEALANT SHALL BE USED TO SEAL ALL SEAMS BETWEEN THE HVAC UNIT AND THE CURB. THE SUPPLY AND RETURN DUCTS SHALL BE ATTACHED TO THE CURB AND MASTIC SHALL BE USED TO SEAL THE DUCTS TO THE CURB. THE SUPPLY AND RETURN DUCTS SHALL BE THE SAME SIZE AND ALIGN WITH THE HVAC UNIT.

FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE NOT MORE THAN 5 FEET IN LENGTH AND SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS. FLEXIBLE AIR DUCTS SHALL BE PERMITTED TO BE USED AS AN ELBOW AT A TERMINAL DEVICE PER ENERGY CODE 120.4.

DUCT INSTALLATION AND PLENUMS SHALL MEET THE REQUIREMENTS OF ENERGY CODE SECTION 120.4 AND THE MANUFACTURERS INSTALLATION INSTRUCTIONS.
HORIZONTAL FLEX DUCT SHALL BE SUPPORTED AT A MAXIMUM 4 FT INTERVALS, WITH HANGING STRAPS A MINIMUM 1 1/2 IN. WIDE.
DUCTS MUST BE PULLED TIGHT WITH A MAXIMUM SAG OF ½" PER FOOT OF HORIZONTAL RUN.
DUCT SHALL NOT BE KINKED OR CRUSHED.
BEND/RADIUS EQUAL TO THE DUCT DIAMETER OR GREATER.

SECTION 915
CARBON MONOXIDE DETECTION

915.2.3 Group E occupancies. Carbon monoxide detection shall be installed in classrooms in Group E occupancies. Carbon monoxide alarm signals shall be automatically transmitted to an on-site location that is staffed byschool personnel.

915.3 Detection equipment. Carbon monoxide detection required by Sections 915.1 through 915.2.3 shall be provided by carbon monoxide alarms complying with Section 915.4 or carbon monoxide detection systems complying with Section 915.5.

CFC 915.1 - Classrooms which contain a fuel-burning appliance or a fuel-burning fireplace or are supplied by a forced-air furnace shall be provided with a carbon monoxide detexction system. Provide a carbon monoxide detection system

GENERAL NOTE:
UTILILITIES THAT SPAN BETWEEN UNITS OR ACROSS SEISMIC SEPARATION JOINTS MUST BE DESIGNED WITH A FLEXIBLE CONNECTION THAT CAN ACCOMMODATE DIFFERENTIAL MOVEMENTS

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ● CONSULTING ● PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

6.7.2021

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

CLIENT

Class Leasing

1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908[FAX]Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
MISCELLANEOUS NOTES & DETAILS

PROJECT NUMBER 20093

DRAWN BY rMc/SC

CHECKED BY RH/RT

DATE 06/07/2021

SHEET NO. M0.1

SHEET OF

C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6.7_CESAR24D63.rvt

6/8/2021 12:20:43 AM

ATTACHMENT 3: Mechanical Equipment List

This attachment summarizes all the HVAC equipment and controls required for each size modular building.

Indicate NA for all non-applicable boxes.

LIST OF MECHANICAL EQUIPMENT Any substitutions of equipment made to the approved PC must be equal or better than the equipment listed below.					
Modular size and equipment type	4.0 TON WM HVAC	5.0 TON WM HVAC	3.5 TON WM HVAC	4.0 TON PACKAGED HVAC	Responsible for programing/commissioning (builder or HVAC contractor)
HVAC Equipment Make and Model	BARD W48HC-A	BARD C60H1	BARD C42H1	CARRIER 50VTC48	NA
BTUH Heating Cooling	41,500 45,500	51,000 55,500	38,500 40,000	46,000 48,000	NA
Indoor/Blower Fan BHP/HP CFM @ at ? inch WC	1/3-825-2 2.5 24"-2900	1/3-825-2 4.1 24"-3700	1/3-825-2 2.5 24"-2900		NA
Strip Heating Maximum allowed or Not Allowed if not modeled	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NA
Minimum allowed SEER, EER, HSPF and/or COP, and Phase	14, 11, 3.40, 3	14, 11, 3.30 ,3	14, 11, 3.40, 3	14, 12, 2.40 or 8, 3	NA
Thermostat Make and Model Setback – § 110.2(c) Heat Pumps – § 110.2(b)	BARD #8403-061 C48H1	BARD #8403-061 C60H1	BARD #8403-061 C42H1	Corporate Thermostat	(Responsible Person) Required Acceptance Test NRCA-MCH-03-A
Shut-off and Reset Make and Model Occupancy Sensor or 4 hr override – § 120.2(e)	STANDARD BUILT-IN	STANDARD BUILT-IN	STANDARD BUILT-IN	STANDARD BUILT-IN	(Responsible Person) Required Acceptance Test NRCA-MCH-03-A
Economizer Equipment Make and Model – § 140.4(e)	N/A	N/A	N/A	N/A	(Responsible Person) Required Acceptance Test NRCA-MCH-02-A and 05-A
Economizer Controls Make and Model – § 140.4(e)	N/A	N/A	N/A	N/A	(Responsible Person) Required Acceptance Test NRCA-MCH-02-A and 05-A
Economizer Fault Detection Software Make and Model - § 120.2(i)	N/A	N/A	N/A	N/A	(Responsible Person) Required Acceptance Test NRCA-MCH-12-A or 13-A
Outside Air In CFM - § 120.1(c)3	1500	1650	1250	4000	(Responsible Person) Required Acceptance Test NRCA-MCH-02-A
Ventilation Kit If economizer is not installed specify Make and Model.	N/A	N/A	N/A	N/A	(Responsible Person) Required Acceptance Test NRCA-MCH-02-A
Demand Control Ventilation Co2 Sensor with ppm display Make and Model - §120.1(d)4					(Responsible Person) Required Acceptance Test NRCA-MCH-06-A
Minimum Designed Outside Air in CFM - § 120.1(c)3	1500	1650	1250	4000	(Responsible Person) Required Acceptance Test NRCA-MCH-02-A
Demand Shed Thermostat Make Model If DDC to the zone § 120.2(h)					(Responsible Person) Required Acceptance Test NRCA-MCH-11-A

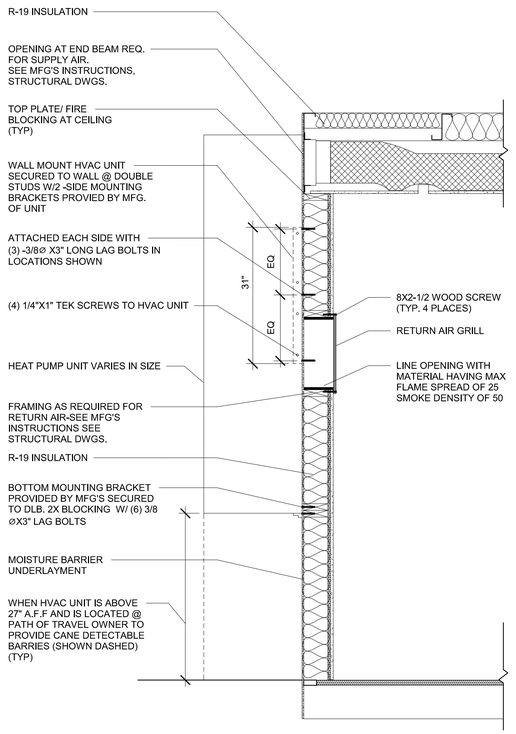
NOTE: SEE M0.1 AND CUT SHEETS FOR ADDITIONAL EQUIPMENT OPTIONS

120.1(D)
THERMOSTAT SHALL BE PROGRAMED WITH EXPECTED OCCUPIED TIMES.AIR HANDLER FAN WILL BE PROGRAMED TO RUN DURING ALL OCCUPIED TIMES.PRE-OCCUPANCY PURGE SHALL BE PROGRAMED ONE HOUR PRIOR TO THE MODULAR BUILDING BEING NORMALLY OCCUPIED.

FOR ROOF MOUNTED HVAC UNITS A GASKET SHALL BE PLACED BETWEEN THE CURB AND THE HVAC UNIT.MASTIC SEALANT SHALL BE USED TO SEAL ALL SEAMS BETWEEN THE HVAC UNIT AND THE CURB. THE SUPPLY AND RETURN DUCTS SHALL BE ATTACHED TO THE CURB AND MASTIC SHALL BE USED TO SEAL THE DUCTS TO THE CURB. THE SUPPLY AND RETURN DUCTS SHALL BE THE SAME SIZE AND ALIGN WITH THE HVAC UNIT.

FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE NOT MORE THAN 5 FEET IN LENGTH AND SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS. FLEXIBLE AIR DUCTS SHALL BE PERMITTED TO BE USED AS AN ELBOW AT A TERMINAL DEVICE PER ENERGY CODE 120.4.

DUCT INSTALLATION AND PLENUMS SHALL MEET THE REQUIREMENTS OF ENERGY CODE SECTION 120.4 AND THE MANUFACTURERS INSTALLATION INSTRUCTIONS.
HORIZONTAL FLEX DUCT SHALL BE SUPPORTED AT A MAXIMUM 4 FT INTERVALS, WITH HANGING STRAPS A MINIMUM 1 1/2 IN. WIDE.
DUCTS MUST BE PULLED TIGHT WITH A MAXIMUM SAG OF ½" PER FOOT OF HORIZONTAL RUN.
DUCT SHALL NOT BE KINKED OR CRUSHED.
BEND/RADIUS EQUAL TO THE DUCT DIAMETER OR GREATER.



PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ★ CONSULTING ★ PROJECT MGT
11590 W. BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
PHONE: (858) 444-3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S-3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

CLASS LEASING LLC

1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
MISCELLANEOUS NOTES & DETAILS

PROJECT NUMBER
20093

DRAWN BY
Author

CHECKED BY
Checker

DATE
06/07/2021

SHEET NO.
M0.2

SHEET OF

Project Name:	24X40 (PC 04-119408) - Wall AC	NRCC-PRF-01-E	Page 1 of 12
Project Address:	Climate Zone 16 Blue Canyon	Calculation Date/Time:	17:52, Thu, Jul 29, 2021
Input File Name:	24X40 PC - CZ16(Wall AC) 7-29-21.cibd19x		

A. GENERAL INFORMATION

1	Project Location (city)	Blue Canyon	8	Standards Version	Compliance2019
2	CA Zip Code		9	Compliance Software (version)	EnergyPro 8.2
3	Climate Zone	16	10	Weather File	BLUE-CANYON_725845_CZ2010.epw
4	Total Conditioned Floor Area in Scope	960 ft²	11	Building Orientation (deg)	(E) 75 deg
5	Total Unconditioned Floor Area	0 ft²	12	Permitted Scope of Work	NewComplete
6	Total # of Stories (Habitable Above Grade)	1	13	Building Type(s)	Nonresidential
7	Total # of dwelling units	0	14	Gas Type	NaturalGas

B. PROJECT SUMMARY

Table Instructions: Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within permit application.

Building Components Complying via Performance				Building Components Complying Prescriptively	
Envelope (see Table G)	☒ Performance	Covered Process: Commercial Kitchens	☐ Performance	*The following building components are ONLY eligible for prescriptive compliance and should be documented on the NRCC form listed if within the scope of the permit application (i.e. compliance will not be shown on the NRCC-PRF-E).*	
	☐ Not Included		☒ Not Included		
Mechanical (see Table H)	☒ Performance	Covered Process: Computer Rooms	☐ Performance	Indoor Lighting (Unconditioned)§140.6	NRCC-LTI-E
	☐ Not Included		☒ Not Included	Outdoor Lighting §140.7	NRCC-LTO-E
Domestic Hot Water (see Table I)	☐ Performance	Covered Process: Laboratory Exhaust	☐ Performance	Sign Lighting §140.8	NRCC -LTS-E
	☒ Not Included		☒ Not Included	Mandatory Measures	
Lighting (Indoor Conditioned, see Table K)	☒ Performance			Electrical power systems, commissioning, solar ready, elevator and escalator requirements are mandatory and should on the NRCC form listed if applicable (i.e. compliance will not be shown on the NRCC-PRF-E.)	
	☐ Not Included			Electrical Power Distribution §110.11	NRCC-ELC-E
Solar Thermal Water Heating (see Table I)	☐ Performance			Commissioning §120.8	NRCC-CXR-E
	☒ Not Included			Solar Ready §110.10	NRCC-SRA-E

Project Name:	24X40 (PC 04-119408) - Wall AC	NRCC-PRF-01-E	Page 2 of 12
Project Address:	Climate Zone 16 Blue Canyon	Calculation Date/Time:	17:52, Thu, Jul 29, 2021
Input File Name:	24X40 PC - CZ16(Wall AC) 7-29-21.cibd19x		

C1. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft²-yr)

COMPLIES

Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)[1]
Space Heating	55.57	132.62	-77.05
Space Cooling	40.49	36.07	4.42
Indoor Fans	177.24	85.62	91.62
Heat Rejection	--	--	--
Pumps & Misc.	--	--	--
Domestic Hot Water	25.64	25.64	--
Indoor Lighting	33.40	22.90	10.50
ENERGY STANDARDS COMPLIANCE TOTAL	**332.34**	**302.85**	**29.49 (8.9%)**

[1] *Notes: The number in parenthesis following the Compliance Margin in column 4. represents the Percent Better than Standard.*

C2. RESULTS FOR 'ABOVE CODE' QUALIFICATIONS[1]

☐ This project is pursuing CalGreen Tier 1 ☐ This project is pursuing CalGreen Tier 2

Miscellaneous Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)[1]
Receptacle	72.32	72.32	--
Process	--	--	--
Other Ltg	--	--	--
Process Motors	--	--	--
COMPLIANCE TOTAL PLUS MISCELLANEOUS COMPONENTS	**404.66**	**375.17**	**29.5 (7.3%)**

[1] *Notes: This table is used to document compliance with programs OTHER THAN Title 24 Part 6, if applicable.*

Project Name:	2X40 (PC 04-119408) - Wall AC	NRCC-PRF-01-E	Page 3 of 12
Project Address:	Climate Zone 16 Blue Canyon	Calculation Date/Time:	17:52, Thu, Jul 29, 2021
Input File Name:	24X40 PC - CZ16(Wall AC) 7-29-21.cibd19x		

C3. ENERGY USE SUMMARY

Energy Component	Standard Design Site (MWh)	Proposed Design Site (MWh)	Margin (MWh)	Standard Design Site (MBtu)	Proposed Design Site (MBtu)	Margin (MBtu)
Space Heating	--	4.1	--	27.1	--	--
Space Cooling	1.2	1.1	0.1	--	--	--
Indoor Fans	5.8	2.8	3.0	--	--	--
Heat Rejection	--	--	--	--	--	--
Pumps & Misc.	--	--	--	--	--	--
Domestic Hot Water	--	--	--	13.6	13.6	0.0
Indoor Lighting	1.1	0.8	0.3	--	--	--
Compliance Total	**8.1**	**8.8**	**-0.7**	**40.7**	**13.6**	**27.1**
Receptacle	2.5	2.5	0.0	--	--	--
Process	--	--	--	--	--	--
Other Ltg	--	--	--	--	--	--
Process Motors	--	--	--	--	--	--
TOTAL	**10.6**	**11.3**	**-0.7**	**40.7**	**13.6**	**27.1**

D. EXCEPTIONAL CONDITIONS

The building does not include service water heating. Verify that service water heating is not required and is not included in the design.

This project uses the Simplified Geometry Performance Modeling Approach which is not capable of modeling daylighting controls and assumes the prescriptive Secondary Daylit Control requirements are met. PRESCRIPTIVE COMPLIANCE documentation (form NRCC-LTI-02-E) for the requirements of section 140.6(d) Automatic Daylighting Controls in Secondary Daylit Zones is required.

E. HERS VERIFICATION

This Section Does Not Apply

F. ADDITIONAL REMARKS

Standard Building (Compliance)

Project Name:	24X40 (PC 04-119408) - Wall AC	NRCC-PRF-01-E	Page 4 of 12
Project Address:	Climate Zone 16 Blue Canyon	Calculation Date/Time:	17:52, Thu, Jul 29, 2021
Input File Name:	24X40 PC - CZ16(Wall AC) 7-29-21.cibd19x		

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

1	2	3	4
Opaque Surfaces & Orientation	**Total Gross Surface Area (ft²)**	**Total Fenestration Area (ft²)**	**Window to Wall Ratio (%)**
North-Facing[1]	240 ft²	32 ft²	13.3%
East-Facing[2]	400 ft²	0 ft²	00.0%
South-Facing[3]	240 ft²	32 ft²	13.3%
West-Facing[4]	400 ft²	0 ft²	00.0%
Total	**1,280 ft²**	**64 ft²**	**05.0%**
Roof	960 ft²	5 ft²	00.6%

Notes:
[1] *North-Facing is oriented to within 45 degrees of true north, including 45°00'00" east of north (NE), but excluding 45°00'00" west of north (NW).*
[2] *East-Facing is oriented to within 45 degrees of true east, including 45°00'00" south of east (SE), but excluding 45°00'00" north of east (NE).*
[3] *South-Facing is oriented to within 45 degrees of true south, including 45°00'00" west of south (SW). but excluding 45°00'00" east of south (SE)*
[4] *West-Facing is oriented to within 45 degrees of true west, including 45°00'00" north of due west (NW). but excluding 45°00'00" south of west (SW).*

G3. OPAQUE SURFACE ASSEMBLY SUMMARY

1 Surface Name	2 Surface Type	3 Area (ft²)	4 Framing Type	5 Cavity R-Value	6 Continuous R-Value	7 Units	8 Value	9 Description of Assembly Layers	10 Status[1]
R-21 Metal Wall w/2 EPS7	ExteriorWall	1280	Metal	21	8	U-Factor	0.072	Stucco - 7/8 in. Expanded Polystyrene - EPS - 2 in. F8.3 Vapor permeable felt - 1/8 in. Metal framed wall, 16in. OC, 5.5in., R-21 Gypsum Board - 1/2 in.	N
R-19 Metal Floor Crawlspa14	ExteriorFloor	960	Metal	19	NA	U-Factor	0.059	Vented Crawl Space Metal framed floor, 16in. OC, 5.5in., R-19 Plywood - 1/2 in. Carpet - 3/4 in.	N

Project Name:	2X40 (PC 04-119408) - Wall AC	NRCC-PRF-01-E	Page 5 of 12
Project Address:	Climate Zone 16 Blue Canyon	Calculation Date/Time:	17:52, Thu, Jul 29, 2021
Input File Name:	2X40 PC - CZ16(Wall AC) 7-29-21.cibd19x		

G3. OPAQUE SURFACE ASSEMBLY SUMMARY

1 Surface Name	2 Surface Type	3 Area (ft²)	4 Framing Type	5 Cavity R-Value	6 Continuous R-Value	7 Units	8 Value	9 Description of Assembly Layers	10 Status[1]
Standing Seam R-38 Metal/16	Roof	960	NA	36	4	U-Factor	0.048	Metal Standing Seam - 1/16 in. Metal standing seam roof, R-16 Expanded Polystyrene - EPS - 1 in. R4.2	N

[1] *Status: N - New, A – Altered, E – Existing*

G5. FENESTRATION ASSEMBLY SUMMARY

1 Fenestration Assembly Name / Tag or I.D.	2 Fenestration Type / Product Type / Frame Type	3 Certification Method[1]	4 Assembly Mathoc	5 Area ft²	6 Overall U-factor	7 Overall SHGC	8 Overall VT	9 Status[2]
Sierra Pacific Windows	VerticalFenestration FixedWindow N/A	NFRC Rated	Manufactured	64	0.35	0.24	0.53	N
Sola tube	Skylight FixedWindow N/A	NFRC Rated	Manufactured	6	0.39	0.37	0.53	N

[1] *Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass only, determined by the manufacturer, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix NA6 and are used in the analysis.*
[2] *Status: N - New, A – Altered, E – Existing*

Project Name:	24X40 (PC 04-119408) - Wall AC	NRCC-PRF-01-E	Page 6 of 12
Project Address:	Climate Zone 16 Blue Canyon	Calculation Date/Time:	17:52, Thu, Jul 29, 2021
Input File Name:	24X40 PC - CZ16(Wall AC) 7-29-21.cibd19x		

H1. DRY SYSTEM EQUIPMENT (furnaces, air handling units, heat pumps, VRF, economizers etc.)

1	2	3	4	5	6	7	8	9	10	11	12
			Heating				Cooling				
Equipment Name	Equipment Type	Qty	Total Heating Output (kBtu/h)	Supp Heat Output (kBtuh)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency	Economizer Type (if present)	Status[1]
AC-1	SPVHP (Packaged1Phase)	1	34	0	COP	3.30	35	EER	11.10	NoEconomizer	N

[1] *Status: N - New, A – Altered, E – Existing*

H2. FAN SYSTEMS SUMMARY[1]

1	2	3	4	5	6	7	8	9	10	11	12	13
			Supply Fan				Return Fan					
Name or Item Tag	System Type packaged, DOAS, etc.	Design OA CFM	CFM	BHP	Watts	Control	CFM	BHP	Watts	Control	Economizer Type (if present)	Status[2]
AC-1	SPVHP	365	1100	0.500	436.0	ConstantVolume	NA	NA	NA	NA	NoEconomizer	N

[1] *Status: N - New, A – Altered, E – Existing*

H3. EXHAUST FAN SUMMARY

This Section Does Not Apply

H4. Wet System Equipment(boilers,chillers,cooling towers,etc.)

This Section Does Not Apply

H5. SYSTEM SPECIAL FEATURES

1 System Name	2 Optimum Start	3 Window Interlocks per §140.4(n)	4 Evaporative Cooling	5 Heat Recovery	6 Other Controls
AC-1	No Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, No DOC No Economizer No Supply Air Temp. Control

Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the NRCC-MCH-E

Project Name:	24X40 (PC 04-119408) - Wall AC	NRCC-PRF-01-E	Page 7 of 12
Project Address:	Climate Zone 16 Blue Canyon	Calculation Date/Time:	17:52, Thu, Jul 29, 2021
Input File Name:	24X40 PC - CZ16(Wall AC) 7-29-21.cibd19x		

H6. MECHANICAL VENTILATION

1	2	3	4	5	6	7	8	9
	Mechanical Ventilation							DCV or Occupant Sensor Controls, or Both
Zone Name	Ventilation Function	# hotel rooms	# of people	# of bedrooms	Supply OA CFM	Exhaust CFM	Conditioned Area (sf)	
1-First Floor	Education - Classrooms (ages 9-18)	0	24.00	0	365	0	960	NA

Multifamily or Hotel/Motel Occupancy? (if "Yes", see DOMESTIC/SERVICE HOT WATER SYSTEM SUMMARY)	No
Does the Project include Zonal Systems?	No

H7. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY

1	2	3	4	5	6	7	8	9	10	11	12
			Rated Capacity (kBtu/h)		Airflow (cfm)			Fan			
System ID	Zone Name	System Type	Heating	Cooling	Design	Min.	Min. Ratio	BHP	Watts	Cycles	ECM Motor
1-First Floor-Trm	1-First Floor	Uncontrolled	NA	NA	1100	NA	0.00	NA	NA	NA	☐

H8. EVAPORATIVE COOLER SUMMARY

This Section Does Not Apply

Project Name:	24X40 (PC 04-119408) - Wall AC	NRCC-PRF-01-E	Page 8 of 12
Project Address:	Climate Zone 16 Blue Canyon	Calculation Date/Time:	17:52, Thu, Jul 29, 2021
Input File Name:	24X40 PC - CZ16(Wall AC) 7-29-21.cibd19x		

K1. INDOOR CONDITIONED LIGHTING GENERAL INFO

1	2	3	4	5	6
				Additional [Custom] Allowance	
Occupancy Type[1]	Conditioned Floor Area[2] (ft²)	Installed Lighting Power (Watts)	Lighting Control Credits (Watts)	Area Category Footnotes (Watts)	Tailored Method (Watts)
Classroom, Lecture, Training, Vocational Areas	960	384	0	0	0
Building Totals:	**960**	**384**	**0**	**0**	**0**

[1] *See Table 140.6-C*
[2] *See NRCC-LTI-01-E for unconditioned spaces*
[3] *Lighting information for existing spaces modeles is not included in the table*

K2. INDOOR CONDITIONED LIGHTING SCHEDULE

Luminaire Schedule (Includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 w/ft² in offices)		Installed Watts (Conditioned)			
1	2	3	4	5	6
Name or Item Tag	Complete Luminaire Description (i.e., 3-lamp fluorescent troffer, F32T8. one dimmable electronic ballast)	Watts per luminaire	How Wattage is Determined	Total Number Luminaires	Installed Watts
L-1	2x4 LED Panel	48	CEC Default from NA8	8	384

K3. INDOOR CONDITIONED LIGHTING CONTROL CREDITS

Lighting Control Credits Schedule (Includes all lighting controls installed in conditioned space for compliance credit per §140.6(a)7 and Table 140.6-A)

1	2	3	4	5	6	7	8	9
Area Description	Primary Function Area (must meet requirements of Table 140.6-A)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Name or Item Tag	Watts per Luminaires	# of Luminaires	Lighting Controlled (Watts)	Control Credit (Watts)
S-1-First Floor	Classroom, Lecture, Training, Vocational Areas	NA	0.00 0.00 0.00 0.00 0.00	L-1	384.0	8	384	0

Project Name:	2X40 (PC 04-119408) - Wall AC	NRCC-PRF-01-E	Page 9 of 12
Project Address:	Climate Zone 16 Blue Canyon	Calculation Date/Time:	17:52, Thu, Jul 29, 2021
Input File Name:	2X40 PC - CZ16(Wall AC) 7-29-21.cibd19x		

K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS

Building Level Controls

1	2
Mandatory Demand Response §110.12(c)	**Shut-Off Controls §130.1(c)**
Required	Required

Area Level Controls (includes all lighting controls installed in conditioned space to meet mandatory requirements per §130.1)

4 Area Description	5 Area Category Primary Function Area	6 Area Controls 130.1(a)	7 Multi-Level Controls 130.1(b)	8 Shut-Off Controls 130.1(c)	9 Primary Daylighting 130.1(d)	10 Secondary Daylighting 140.5(d)

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W Bernardo Court, Suite 100
San Diego, CA 92127
www.rstavares.com

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
Ramin D. Family
No. S3380
Exp. 03/31/22
STRUCTURAL
STATE OF CALIFORNIA

08.04.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

CODE: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
120'x40' T24 CZ 16 (WALL AC)

PROJECT NUMBER
20093

DRAWN BY
rMc/SC

CHECKED BY
RH/RT

DATE
06/15/2021

SHEET NO.
M2.9

SHEET OF

8/5/2021 12:14:46 PM C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6_7_michael433S6.rvt

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online at: https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

Building Component	Form/Title
Envelope	NRCI-ENV-01-E - Must be submitted for all buildings
Mechanical	NRCI-MCH-01-E - Must be submitted for all buildings
Indoor Lighting	NRCI-LTI-01-E - Must be submitted for all buildings

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit:https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/

Building Component	Form/Title
Envelope	NRCA-ENV-02-F - NFRC label verification for fenestration
Indoor Lighting	NRCA-LTI-07-A - Occupancy Sensors and Automatic Time Switch Controls
Mechanical	NRCA-MCH-02-A Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: LAL SAHGAL	Signature:
Company: LSA CONSULTING ENGINEERS	
Address: 83, WINDSWEPT WAY	Signature Date: 2021-07-29
City/State/Zip: MISSION VIEJO CA. 92692	CEA/ HERS Certification Identification (if applicable): M26885
Phone: (949) 830-6746	

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

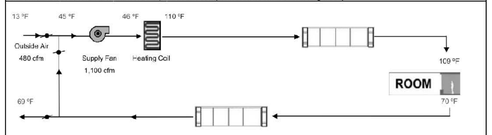
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1, and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Envelope Designer Name:	Signature:	
Company: R & S Tavares Associates		
Address: 11777 Bernardo Plaza Ct. #105	Date Signed:	
City/State/Zip: San Diego Ca. 92128		
Phone:	Title:	License #:
Responsible Lighting Designer Name:	Signature:	
Company: R & S Tavares Associates		
Address: 11777 Bernardo Plaza Ct. #105	Date Signed:	
City/State/Zip: San Diego Ca. 92128		
Phone:	Title:	License #:
Responsible Mechanical Designer Name: Lal Sahgal	Signature:	
Company: LSA Consulting Engineers		
Address: 83, Windswept Way	Date Signed:	
City/State/Zip: Mission Viejo Ca. 92692		
Phone:	Title:	License #: M26885

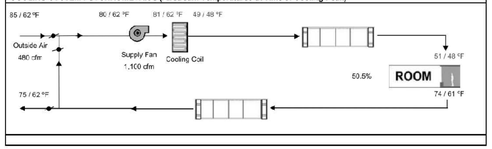
HVAC SYSTEM HEATING AND COOLING LOADS SUMMARY

Project Name: 24X40 (PC 04-119408) - Wall AC					Date: 7/29/2021	
System Name: AC-1					Floor Area: 960	
ENGINEERING CHECKS		**SYSTEM LOAD**				
			COIL COOLING PEAK		COIL HTG. PEAK	
			CFM	Sensible	Latent	CFM	Sensible
Number of Systems	1						
Heating System		**Total Room Loads**	1,421	29,246	12,809	334	11,693
Output per System	33,000	**Return Vented Lighting**		0			
Total Output (Btuh)	33,000	**Return Air Ducts**		1,482			585
Output (Btuh/sqft)	34.4	**Return Fan**		0			0
Cooling System		**Ventilation**	480	4,057	-3,762	480	24,676
Output per System	36,000	**Supply Fan**		1,535			-1,535
Total Output (Btuh)	36,000	**Supply Air Ducts**		1,482			585
Total Output (Tons)	3.0						
Total Output (Btuh/sqft)	37.5						
Total Output (sqft/Ton)	320.0	**TOTAL SYSTEM LOAD**		37,763	9,048		35,402
Air System							
CFM per System	1,100	**HVAC EQUIPMENT SELECTION**					
Airflow (cfm)	1,100	Bard W36=B		31,153	3,745		13,777
Airflow (cfm/sqft)	1.15						
Airflow (cfm/Ton)	366.7						
Outside Air (%)	43.6%	**Total Adjusted System Output** (Adjusted for Peak Design conditions)		31,153	3,745		13,777
Outside Air (cfm/sqft)	0.50						
Note: values above given at ARI conditions		**TIME OF SYSTEM PEAK**			Jul 3 PM		Jan 1 AM

HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)



COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)



PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W Bernardo Court, Suite 100
San Diego, CA 92127
www.rstavares.com

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
Lal D. Sahgal
No. S3380
Exp. 03/31/22
STRUCTURAL
STATE OF CALIFORNIA

08.04.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

CODE: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
120'x40' T24 CZ 16 (WALL AC)

PROJECT NUMBER
20093

DRAWN BY
rMc/SC

CHECKED BY
RH/RT

DATE
06/15/2021

SHEET NO.
M2.10

SHEET OF

8/5/2021 12:14:48 PM C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6_7_michael433S6.rvt

ENVELOPE MANDATORY MEASURES: NONRESIDENTIAL — ENV-MM

Project Name	Date
120X40 (PC 04-116504) - Wall AC	6/23/2018

DESCRIPTION

Building Envelope Measures:

§110.8(a):	Installed insulating material shall have been certified by the manufacturer to comply with the California Quality Standards for insulating material, Title 20 Chapter 4, Article 3.
§110.8(c):	All Insulating Materials shall be installed in compliance with the flame spread rating and smoke density requirements of Sections 2602 and 707 of Title 24, Part 2.
§110.8(g):	Heated slab floors shall be insulated according to the requirements in Table 110.8-A.
§110.7(a):	All Exterior Joints and openings in the building that are observable sources of air leakage shall be caulked, gasketed, weatherstripped or otherwise sealed.
§110.6(a):	Manufactured fenestration products and exterior doors shall have air infiltration rates not exceeding 0.3 cfm/ft.^{2} of window area, 0.3 cfm/ft.^{2} of door area for residential doors, 0.3 cfm/ft.^{2} of door area for nonresidential single doors (swinging and sliding), and 1.0 cfm/ft.^{2} for nonresidential double doors (swinging).
§110.6(a):	Fenestration U-factor shall be rated in accordance with NFRC 100, or the applicable default U-factor.
§110.6(a) :	Fenestration SHGC shall be rated in accordance with NFRC 200, or NFRC 100 for site-built fenestration, or the applicable default SHGC.
§110.6(b):	Site Constructed Doors, Windows and Skylights shall be caulked between the unit and the building, and shall be weatherstripped (except for unframed glass doors and fire doors).
§120.7(a):	The opaque portions of the roof/ceiling that separates conditioned spaces from unconditioned spaces or ambient air shall meet the applicable U-Factor requirements as follows: **Metal Building-** The weighted average U-factor of the roof assembly shall not exceed 0.098. **Wood Framed and Others-** The weighted average U-factor of the roof assembly shall not exceed 0.075.
§120.7(b):	The opaque portions of walls that separate conditioned spaces from unconditioned spaces or ambient air shall meet the applicable U-factor as follows: **Metal Building-** The weighted average U-factor of the wall assembly shall not exceed 0.113. **Metal Framed-** The weighted average U-factor of the wall assembly shall not exceed 0.151. **Light Mass Walls-** A 6 inch or greater Hollow Core Concrete Masonry Unit shall have a U-factor not to exceed 0.440. **Heavy Mass Walls-** An 8 inch or greater Hollow Core Concrete Masonry Unit shall have a U-factor not to exceed 0.600. **Wood Framed and Others-** The weighted average U-factor of the wall assembly shall not exceed 0.110. **Spandrel Panels and Opaque Curtain Wall-** The weighted average U-factor of the spandrel panels and opaque curtain wall assembly shall not exceed 0.280. **Demising Walls-**. The opaque portions of framed demising walls shall meet the requirements of Item A or B below: A. Wood framed walls shall be insulated to meet a U-factor not greater than 0.099. B. Metal Framed walls shall be insulated to meet a U-factor not greater than 0.151.
§120.7(c):	The opaque portions of floors and soffits that separate conditioned spaces from unconditioned spaces or ambient air shall meet the applicable U-Factor requirements as follows: **Raised Mass Floors-** Shall have a minimum of 3 inches of lightweight concrete over a metal deck or the weighted average U-factor of the floor assembly shall not exceed 0.269. **Other Floors-**The weighted average U-factor of the floor assembly shall not exceed 0.071.

Mandatory Measures: The following notes (items) represent the Mandatory Measures for all buildings.

Heat pumps with supplementary electric resistance heaters shall have controls:

1) That prevent supplementary heater operation when the heating load can be met by the heat pump alone; and

2) In which the cut-on temperature for compression heating is higher than the cut-on temperature for supplementary heating, and the cut-off temperature for compression heating is higher than the cut-off temperature for supplementary heating.

Sec. 110.2 (b)

The minimum rate of outdoor air required per Section 120.1 (b) 2 shall be supplied to each space at all time the space is usually occupied.

Sec. 120.1 (c) 3

The Lesser of the minimum rate of outdoor air required by Sec. 120.1 (b) 2, or three complete air changes shall be supplied to the entire building during the one-hour period immediately before the building is normally occupied.

Sec. 120.1 (c) 2

Hotel/Motel Guest Room Thermostats shall have numeric temperature set points in degrees F; and set point stops accessible only to authorized personnel, to restrict over-heating and over-cooling.

Sec. 120.2 (c)

All air distribution system ducts and plenums, including, but not limited to, building cavities, mechanical closets, air-handler boxes and support platforms used as ducts or plenums, shall be installed, sealed and insulated to meet the requirements of chapter 6 of the 2001 CMC. Supply-air and return-air ducts conveying heated or cooled air shall be insulated to a minimum installed level of R-8, unless ducts are in conditioned space.

Sec. 120.4 (a)

The thermostatic controls for HVAC systems shall meet the following requirements as applicable:

a) Each space conditioning zone shall be controlled by an individual thermostatic control that responds to temperature within the zone and meets the applicable requirements of Subsection (b).

b) Each Thermostatic control required by Subsection (a) shall be capable of being set locally or remotely by adjustment or selection of sensors to control:

1) Comfort heating down to 55°F or lower.

2) Comfort Cooling up to 85°F or higher.

3) Both heating and cooling, the thermostatic controls shall be capable of providing a temperature range or dead band of at least 5°F within which the supply of heating and cooling energy to the zone is shut off or reduced to a minimum.

Sec. 120.2 (a) & (b)

1) Outdoor air supply and exhaust equipment shall be installed with dampers that automatically close upon fan shutdown.

Sec. 120.2 (f)

2) Demand Control Ventilation Devices (CO2 sensors) shall be installed in accordance with Sec. 120.1 (c) 4.

Sec. 120.1 (c) 4

3) Each space-conditioning system shall be installed with controls that comply with Items 1 and 2 below:

1) Are capable of automatically shutting off the system during periods of non-use and shall have:

a) An automatic time switch control device complying with Sec. 119(c), with an accessible manual override that allows operation of the system for up to 4 hours; or
b) An occupancy sensor; or
c) A four-hour timer that can be manually operated.
d) EXCEPTION: Mechanical systems serving retail stores and associated malls, restaurants, grocery stores, churches, and theaters equipped with 7-day programmable timers.

2) Automatically restart and temporarily operate the system as required to maintain:
a) A setback heating thermostat set point, if the system provides mechanical heating; and
EXCEPTION: Area with the design winter outdoor temperature of greater than 32°F.
b) A setup cooling thermostat set point, if the system provides mechanical cooling.

EXCEPTION: Area with the design summer outdoor temperature of less than 100°F.
EXCEPTION: Systems serving hotel/motel guest rooms, if they have a readily accessible manual shut-off switch.

Sec. 120.2 (e)

4) The piping for all space conditioning and service water heating systems shall be insulated in accordance with TABLE 123-A.

Sec. 120.3

5) Service water heating systems and equipment shall meet the applicable requirements of the Appliance Efficiency Regulations as required by Sec. 110.1.

Sec. 110.3 (b)

6) Service hot water systems with circulating pumps or with electrical heat trace systems shall be capable of automatically turning off the system.

Sec. 110.3 (c) 2

7) Lavatories in public restrooms shall have controls that limit the water supply temperature to 110°F.

Sec. 110.3 (c) 3

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
RAMANDEEP D. PARMAR
No. S3380
Exp. 03/31/22
STRUCTURAL
STATE OF CALIFORNIA

8.04.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908[FAX]Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
ENVELOPE AND NOTES

PROJECT NUMBER
20093

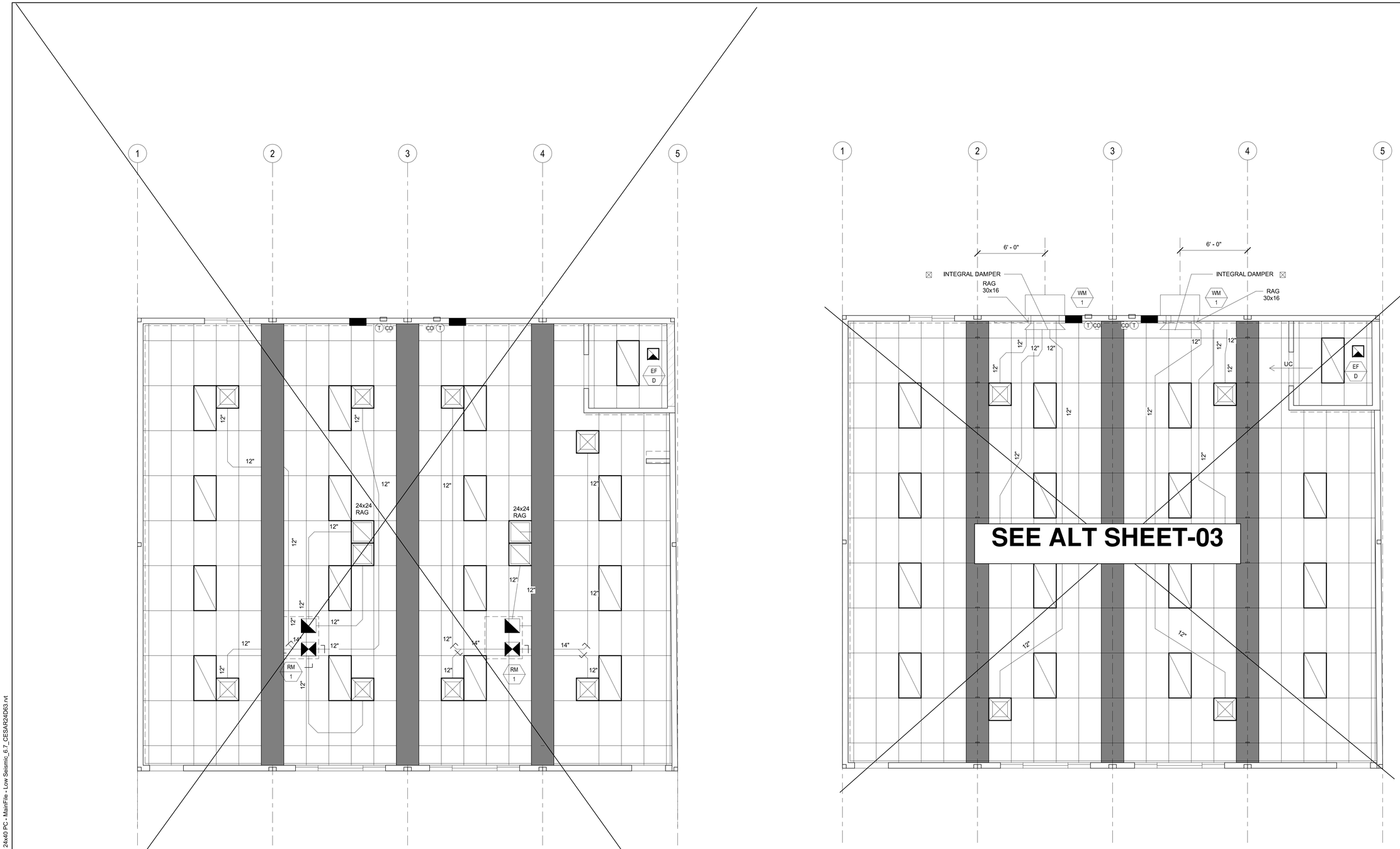
DRAWN BY
rMc/CG

CHECKED BY
RH/RT

DATE
06/15/2021

SHEET NO.
M3.3

SHEET OF



1 *1/4" = 1'-0"*
48x40 WM-1 MECH PLAN

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
MECHANICAL CEILING PLAN 48x40 thru 120x40

PROJECT NUMBER
20093

DRAWN BY
rMc/SC

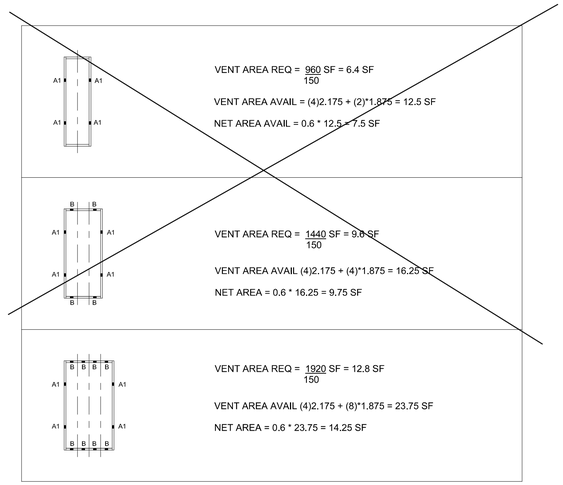
CHECKED BY
RH/RT

DATE
06/07/2021

SHEET NO.
M7.1

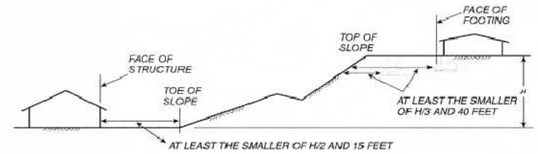
SHEET OF

6/8/2021 12:21:00 AM C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6.7_CES4R24D63.rvt



NOTE: WOOD FOUNDATION EXPANDABLE TO 48x40

1 *1/16" = 1'-0"*
50+15 VENTING LAYOUT



For SI: 1 foot = 304.8 mm.

FIGURE 1808.7.1
FOUNDATION CLEARANCES FROM SLOPES

3 *1/4" = 1'-0"*
FOUNDATION SETBACKS

KEY PLAN VENTING SCHEDULE
VENT "A1" (SIDEWALL): 3'-6" x 7.5" = **2.188 SF VENTILATION AVAILABLE**
VENT "B" (ENDWALL): 3'-0" x 7.5" = **1.875 SF VENTILATION AVAILABLE**

SEE 2

9 *1/4" = 1'-0"*
KEY PLAN VENTING SCHEDULE FOR 50+15 PSF

WOOD FOUNDATION PLATE SCHEDULE								
50 + 15 PSF								
PLATES	END WALL	SIDE WALL	MODLINE ENDS	MODLINE INTERIOR	ML "B" ENDS	ML "B" INTERIOR	SEPERATION ENDS	SEPERATION INTERIOR
BOOSTER	2x4	2x4	2x6	2x6	2x8	2x8	2x4	2x4
TOP	2x6	2x6	2x8	2x8	2x10	2x10	2x6	2x6
BASE	2x8	2x8	2x10	2x10	2x12	2x12	2x8	2x8
SILL	2x12	2x12	(6) 2x12, 24" LONG	(6) 2x12, 24" LONG	(8) 2x12, 24" LONG	(8) 2x12, 24" LONG	2x12	2x12

* MODLINE "B" - MODLINE W/ EXT. WALLS BACK-TO-BACK SEE F1.14

8 *1/4" = 1'-0"*
WOOD FOUNDATION PLATE SCHEDULE FOR 50+15

1. WOOD FOUNDATION CONSTRUCTION IS ALLOWED FOR BUILDINGS WITH 2160 SF AND UNDER.
2. SILL PLATES SHALL BE OF FOUNDATION GRADE REDWOOD OR PRESERVATIVE PRESURE TREATED MATERIAL AND IS ALLOWED TO REST DIRECTLY ON SOIL OR PAVEMENT. MATERIALS ABOVE THE SILL PLATES ARE NOT CONTROLLED BY THIS REQUIREMENT.
3. VENTS THAT OCCUR INSIDE RAMP BOUNDARIES SHALL REQUIRE A VENT OF EQUAL SIZE AT RAMP SKIRTING.
4. TO PREVENT SLIDING; A 1 INCH G.S. SCHEDULE 40 PIPE (1.315" ACTUAL O.D.) SHALL BE ATTACHED TO SILL PLATE AND ANCHORED INTO THE EARTH W/ 12" MIN EMBEDMENT (PROJECTED VERTICALLY) @ 10' - 0" MAX O.C. AND SHALL BE LOCATED A MAXIMUM OF 2'-0" FROM CORNERS
5. STACKED FOUNDATION MEMBERS SHALL BE FASTENED TO ONE ANOTHER W/ CORROSION RESISTANT NAILS.
6. WOOD FOUNDATION HAVE BEEN DESIGNED FOR AN ALLOWABLE BEARING PRESSURE OF 1,000 PSF IN ABSENSE OF A SOILS INVESTIGATION REPORT PROVIDED BY A LICENSED GEOTECHNICAL ENGINEER.
7. REFER TO ARCHITECT'S SITE PLAN FOR DRAINAGE.
8. WOOD FOUNDATION IS ONLY ALLOW FOR BUILDINGS WITH WOOD FLOOR SHEATHING(NOT ALLOWED BUILDING WITH CONCRETE FLOORS)

7 *1/4" = 1'-0"*
NOTES FOR 50+15

(2) 16d NAILS SILL TO BASE CONNECTION FOR 50+15 SEE 7 / F1.10			
	ENDWALL	SIDEWALL	SEPERATION
~~24x40~~	~~9" O.C~~	~~12" O.C~~	~~12" O.C~~
~~36x40~~	~~11" O.C~~	~~12" O.C~~	~~12" O.C~~
48x40	12" O.C	12" O.C	12" O.C

6 *1/4" = 1'-0"*
NAILING SCHEDULE FOR 50+15

TIE PLATE SCHEDULE		
	END WALL	SIDE WALL
~~24x40~~	~~4~~	~~2~~
~~36x40~~	~~5~~	~~2~~
48x40	7	2

4 *1/4" = 1'-0"*
TIE PLATE SCHEDULE FOR 50+15

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 F/A/Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE

PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE

WOOD FOUNDATION NOTES SCHED FOR BLDG W/ 50+15

PROJECT NUMBER

20093

DRAWN BY

rMc/SC

CHECKED BY

RH/RT

DATE

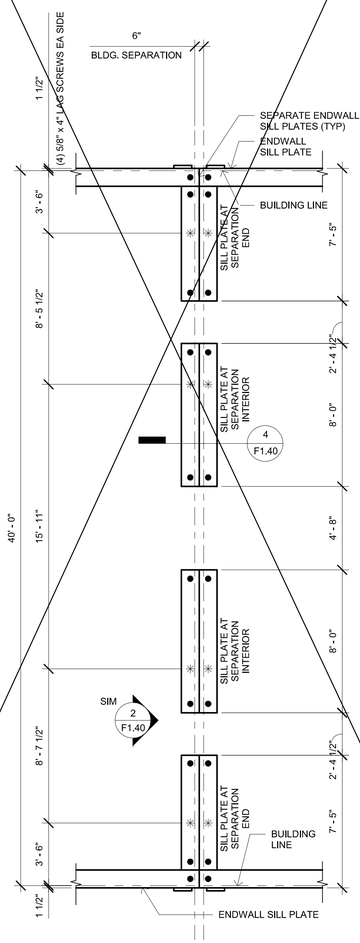
06/07/2021

SHEET NO.

F1.10

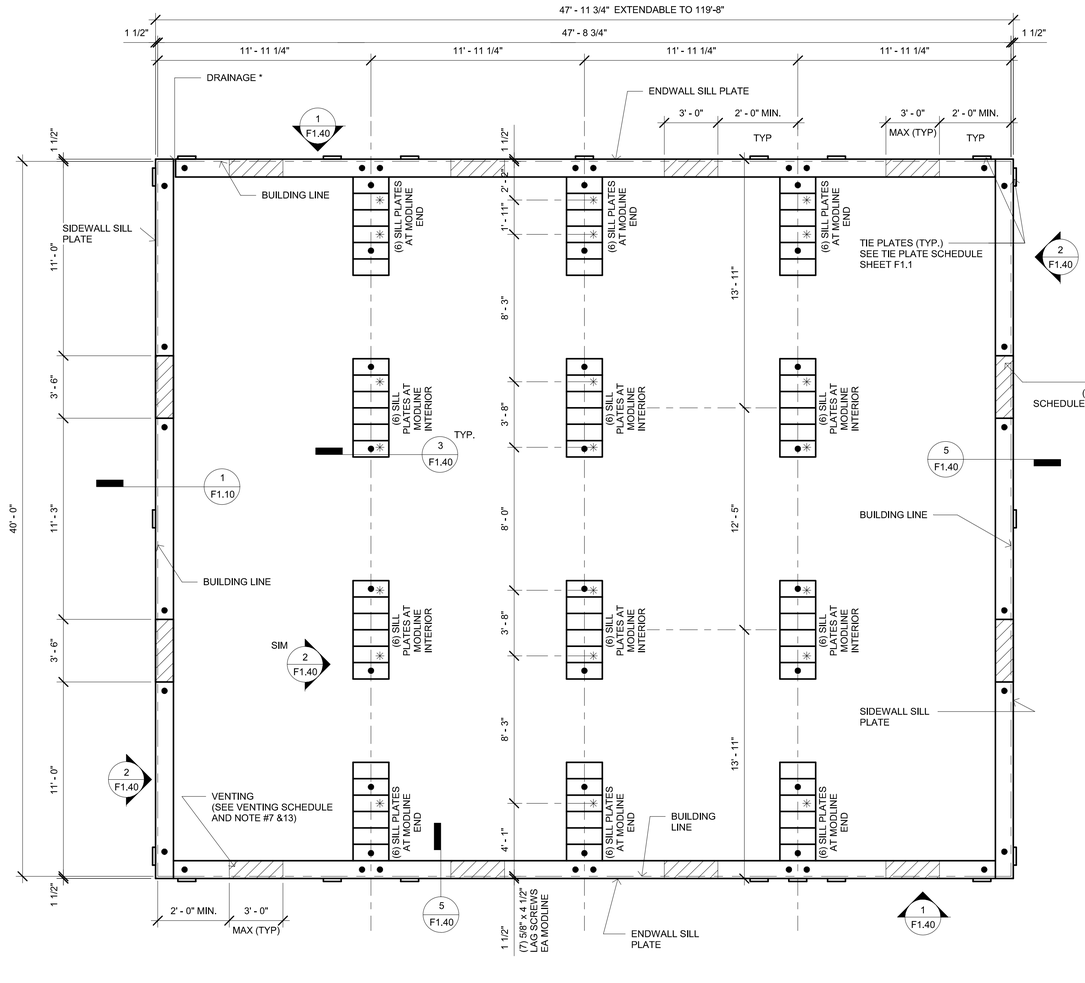
SHEET OF

6/8/2021 12:19:59 AM C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6.7_CESAR24D63.rvt



SYMBOLS LEGEND
✳ LAG SCREWS
● SILL RESTRAINTS (SEE NOTE 4 / F1.10)

1 ***1/4" = 1'-0"***
FOOTING AT SEPARATION 48x40 FOR 50+15



* REFER TO ARCHITECTURAL SITE PLAN FOR DRAINAGE

SYMBOLS LEGEND
✳ LAG SCREWS
● SILL RESTRAINTS (SEE NOTE 4 / F1.10)

2 ***1/4" = 1'-0"***
FOUNDATION PLAN 48x40 FOR 50+15

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
WOOD FOUNDATION PLAN 48x40 BLDG W/ 50+15

PROJECT NUMBER
20093

DRAWN BY
rMc/SC

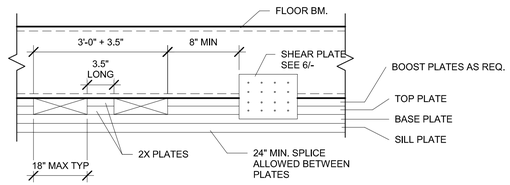
CHECKED BY
RH/RT

DATE
06/07/2021

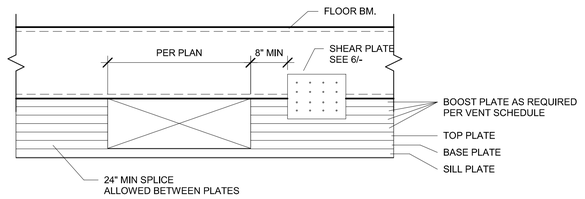
SHEET NO.
F1.13

SHEET OF

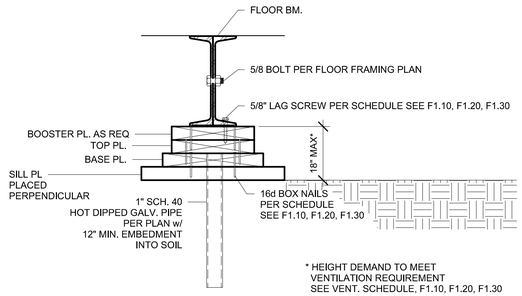
6/8/2021 12:20:04 AM C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6.7_CESAR24D63.rvt



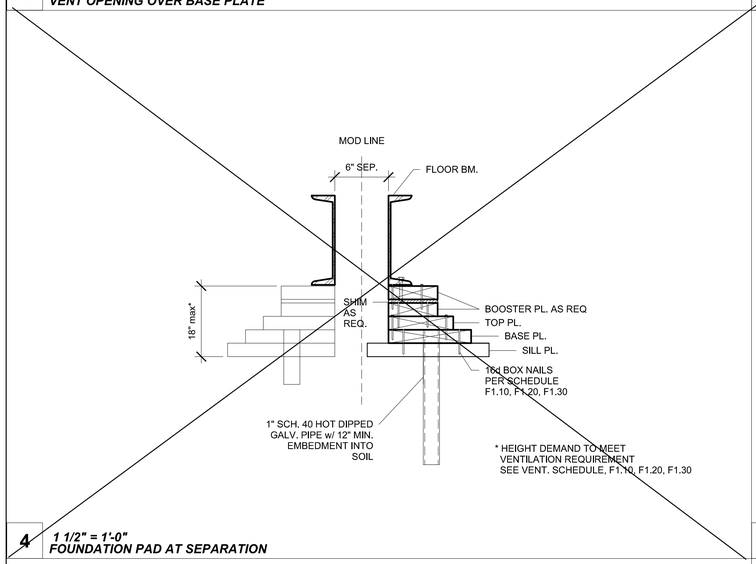
1 *1 1/2" = 1'-0"*
VENT OPENING OVER BASE PLATE



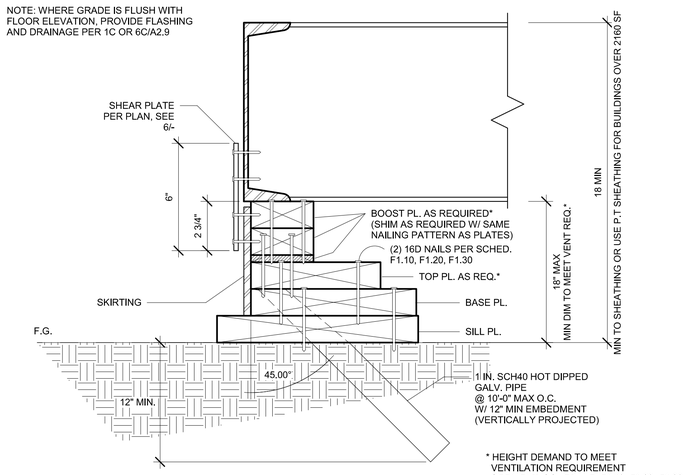
2 *1 1/2" = 1'-0"*
VENT OPENING @ SIDEWALL OR MODLINE @ SEPERATION



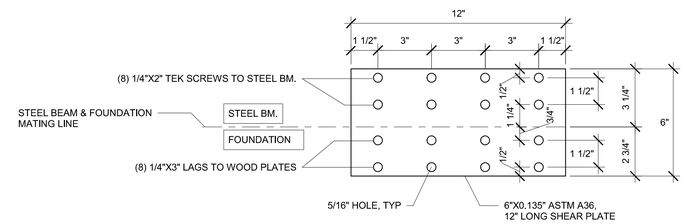
3 *1 1/2" = 1'-0"*
FOUNDATION PAD AT MOD LINE



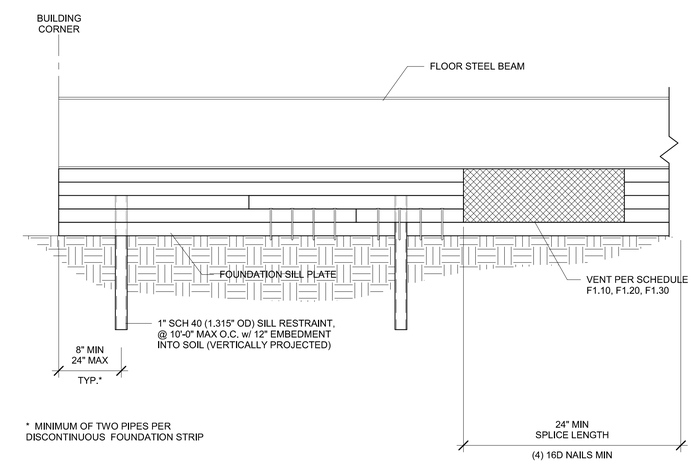
4 *1 1/2" = 1'-0"*
FOUNDATION PAD AT SEPARATION



5 *3" = 1'-0"*
SILL PLATE PROFILE



6 *3" = 1'-0"*
SHEAR PLATE



7 *1 1/2" = 1'-0"*
Splice at Sills

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE

PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE

WOOD FOUNDATION DETAILS

PROJECT NUMBER
20093

DRAWN BY
rMc/SC

CHECKED BY
RH/RT

DATE
06/07/2021

SHEET NO.
F1.40
SHEET OF

STRUCTRUAL STEEL:

A. ALL WORK, UNLESS MODIFIED BY THE CONCTRACT DOCUMENTS, SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT AISC SPECIFICATIONS AND STANDARDS.
B. STEEL SHAPES SHALL COMFORM TO THE FOLLOWING STANDARD:
   a. STRUCTURAL HSS COLUMNS: ASTM A500 GRADE B
   b. STRUCTURAL W-SHAPES: ASTM A992 GRADE 50
   c. TUBE STEEL: ASTM A500 GRADE B
   d. ALL OTHER: ASTM A36

C. FABRICATION, ERECTION, AND SHOP PAINTING SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE AISC *CODE OF STANDARD PRACTICE FOR STEEL BUILDING AND BRIDGES.*
D. HOLES IN STRUCTURAL STEEL SHALL NOT BE PERMITTED, UNLESS SPECIFIED IN THE STRUCTURAL DRAWINGS

CONCRETE

A. ALL CONCRETE WORK, UNLESS MODIFIED BY CONTRACT DOCUMENTS, SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 19A, CBC 2019 AND ACI 318-11.

B. TESTS AND INSPECTION SHALL BE PERFORMED BY A TESTING LABORATRY CONTRACTED BY THE DISTRICT.

C. MIX DESIGN SHALL BE SUBMITTED FOR QUALIFICATION AND PROVIDE A 28-DAY COMPRESSIVE STRENGTH F'C OF 3500 PSI, COMPOSED OF NORMAL WEIGHT TYPE I PORTALAND CEMENT IN CONFORMANCE WITH ASTM C150.

D. FORMWORK SHALL RESULT IN FINAL STRUCTURE THAT CONFORMS TO SHAPES, LINES, AND DIMENSIONS AS REQUIRED BY THE CONTRACT DOCUMENTS.

E. LOCATIONS OF VENTS AND OPENINGS FOR MECHANICAL AND ELECTRICAL USE SHALL BE VERIFIED BY ARCHITECT.

F. EMBEDMENT OF MATERIALS NOT HARMFULL TO CONCRETE AND WITHIN LIMITATIONS OF SECTION 6.3, ACI-318-11 SHALL BE PERMITTED. REFER TO OTHER DISCIPLINES FOR LOCATION OF CONDUIT, PIPES, FITTINGS, SLEEVES, ETC.

G. CONTINUOUS BATCH PLANT INSPECTION WAIVED PER CBC 1705A3.3. WHEN CONTINUOUS BATCH PLANT INSPECTION IS WAIVED, THE FOLLOWING PERIODIC INSPECTION SHALL BE REQUIRED:(INSPECTIONS PROVIDED BY DISTRICT)

1. QUALIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCH AT THE START OF THE DAY.
2. LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY MATERIALS AS TO QUANTIFY AND CERTIFY TO EACH LOAD BY A BATCH TICKET.
3. BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD, SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY A TRUCK DRIVER WITH THE LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR WILL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK, ITS LOAD, AND TIME OF RECEIPT, AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND WILL TRANSMIT A COPY OF THE DAILY RECORD TO THE ENFORCEMENT AGENCY.

H. ANCHOR BOLTS, AND REINFORCING STEEL SHALL BE SECURELY TIED BEFORE CONCRETE IS POURED.

STEEL REINFORCEMENT

A. DEFORMED BARS SHALL CONFORM TO ASTM A615.
B. fy= 40,000 PSI, FOR ALL BARS EXEPT FOR #3 BARS, fy= 60,000 PSI.
C. PROVIDE A MINIMUM CONCRETE COVER FOR REINFORCEMENT EMBEDDED IN:
   a. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH = 3"
   b. CONCRETE EXPOSED TO EARTH OR WEATHER FOR #5 BARS OR SMALLER = 1.5"
D. SPLICE LENGTHS SHALL BE A MINIMUM OF 48" FOR #5 BARS, AND 30" FOR #4 BARS UNLESS OTHERWISE SPECIFIED IN DRAWINGS.

BOLTS

A. ALL BOLTS AND ANCHOR BOLTS SHALL COMFORM ATO ASTM A-307
B. BOLTS EXPOSED TO THE ELEMENTS SHALL BE GALVANIZED BY THE HOT-DIP OR MECHANICAL PROCESS

WELDING

A. ALL WELDING SAHLL BE IN COMFORMANCE TO:
   a. AWS D1.1, EXCEPT AS MODIFIED IN SECTION J2, AISC-360 FOR STEEL
   b. AWS D1.3 FOR LIGHT GAUGE STEEL
   c. AWS D1.4 FOR REINFORCING STEEL

B. ELECTRODE CLASSIFICATION:
   a. E70XX FOR STEEL AND CONCRETE STEEL REINFORCEMENT
   b. E60XX FOR LIGHT GAUGE STEEL

C. WELDS SHALL BE CAPABLE OF PRODUCING THE FOLLOWING V-NOTCH TOUGHNESS AS DETERMINED BY APPROPRIATE AWS A5 CLASSIFICATION TEST METHOD OR MANUFACTURER CERTIFICATION:
   a. LATERAL FORCE RESISTING SYSTEM (LFRS) = 20 FT-LB AT 0 DEGREE F
   b. COMPLETE JOINT PENETRATION GROOVE WELD = 20 FT-LB AT 40 DEGREE F

D. SHOP AND FIELD WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS.

E. INSPECTION:
   a. PERIODIC INSPECTION OF FILLET WELDS LESS THAN OR EQUAL TO 5/16", FLOOR AND ROOF DECK WELDS.
   b. CONTINUOUS INSPECTION FOR OTHER WELDS.

F. NONDESTRUCTIVE TESTING (NDT):
   a. ULTRASONIC TESTING SHALL BE PERFORMED ON 100 PERCENT OF CJP GROOVE WELDS IN MATERIALS 5/16" OR THICK OR GREATER. ULTRASONIC TESTING NOT REQUIRED FOR MATERIALS LESS THAN 5/16" THICK. TESTING FREQUENCY MAY BE REDUCED TO 25%, PROVIDED PROVISIONS SET FORTH IN SECTION N5.5e, AISC-360 IS MET.
   b. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25 PERCENT OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS. TESTING FREQUENCY MAY BE REDUCED TO 10%, PROVIDED PROVISIONS SET FORTH IN J6.2g, AISC-341 IS MET.

.

FOUNDATIONS

GEOTECHNICAL INVESTIGATION SHALL BE CONDUCTED IN ACCORDANCE WITH SECTION 1803A.1 THROUGH 1803A.8 BY A GEOTECHNICAL ENGINEER CONTRACTED BY THE DISTRICT. ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES MAY BE DETERMINED FROM TALBLE 1806A.2, WHERE GEOTECHNINCAL REPORTS IS NOT REQUIRED PER SECTION 1803A.2. A MAXIMUM ALLOWABLE SOIL PRESSURE OF 1000 PSF AND 1500 PSF SHALLBE PERMITTED FOR TEMPORARY WOOD AND PERMANENT CONCRETE FOUNDATIONS RESPECTIVELY IN ACCORDANCE WITH SECTION 4.6, IR 16-1.13

A PREVIIOUS REPORT FOR A SPECIFIC SITE MAY BE RESUBMITTED. THE ALLOWABLE FOUNDATIONA AND LATERAL SOIL PRESSURE VALUES ARE ALLOWED A 33% INCREASE FOR SHORT TERM WIND AND SEIMIC LOADS.

THE DISTRCT SHALL BE RESPONSIBLE FOR EXCAVATION, BACKFILL, SETTING ELEVATIONS, CRANING AND RIGGING. PROVIDE SHIMS TO LEVEL BUILDING WITHIN 1/2" TOLERANCE.

COLD-FORMED STEEL:

A. ALL WORK SHALL, UNLESS MODIFIED BY THE CONCTRACT DOCUMENTS, SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT AISI SPECIFICATIONS AND STANDARDS.

B. MATERIAL SPECIFICATION:
   a. ASTM A-1011/A, GRADE 33 FOR MATERIALS THICKNESS 0.120 OR LESS UNLESS OTHERWISE NOTED
   b ASTM A-1003, GRADE 33 TYPE H FOR LIGHT GUAGE STUDS AND TRACKS
   c. SHAPES SHALL BE DIMENSIONED TO SSMA SPECIFICATIONS.

C. SCREWS EXPOSED TO THE ELEMENTS SHALL BE GALVANIZED

STEEL DECK

MINIMUM THICKNESS PERMITTED FOR FLOOR STEEL DECKS IS 20GA. PER DSA IR 16-1.13, 1.2.1, MINIMUM THICKNESS OF NON-STRUCTURAL STEEL ROOF DECKING IS 26GA. STANDING SEAM ROOF PANELS ARE GRADE 40 SHEET STEEL WITH AN ALUMINUM ZINC COATING CONFORMING TO ASTM A792 AND AZ55.

CHANGES

CHANGES AFFECTING STRUCTURAL PORTION OF THE APPROVED PC SHALL NEED DSA APPROVAL AND SHALL BE CLASSIFIED AS CCD CATEFORY A.

WOOD

ALL FRAMING LUMBER SHALL BE GRADE MARKED BY AN APPROVED GRADING AGENCY

SHEATHING:

EACH SHEET SHALL BE GRADE MARKED BY THE AMERICAN PLYWOOD ASSOCIATION IN ACCORDANCE WITH THE PROCEDURES AND QUALIFICATIONS SET FORTH BY PS 1-07.

1. SUB FLOOR: 1 1/8" T&G UNBLOCKED PLYWOOD, SHALL PROVIDE A SMOOTH AND UNIFORM SURFACE CAPABLE OF ACCEPTING CARPET FINISH
2. PLYWOOD ROOF DECK OPTION: APA RATED 3/4" T&G OSB OR EQUIVALENT RATED SHEATHING
3. EXTERIOR WALL SIDING:
   I. STANDARD: 5/8" DURATEMP OR 5/8" SMART PANEL
   II. OPTION: 5/8" MOD
   III. OPTION: 1/2" OSB OR CDX PLYWOOD FOR PLASTER/STUCCO FINISH
   IV. OPTION: 1/2" OSB OR CDX PLYWOOD FOR HARDIE BOARD (LAP SIDING) FINISH

4. EXTERIOR WALL SIDING ATTACHMENT:

   FASTENERS USED FOR THE ATTACHMENT OF EXTERIOR WALL COVERINGS SHALL BE HOT-DIPPED GALVANIZED, MECHANICALLY DEPOSITED ZINC-COATED, STAINLESS, SILICON BRONZE OR COPPER PER CBC SECTION 2304.9.1.1

   FASTEN TO WOOD FRAMING WITH 8D BOX NAILS @ 6" E.N., 12" F.N.
   FASTEN TO LIGHT GAGE METAL FRAMING WITH #8 WAFER HEAD STSMS @ 6" E.N., 12" F.N.
   FASTEN TO STRUCTURAL STEEL WITH #12 STSMS OR 0.145 DIAM SHOT PINS @ 12" O.C.

TREATED WOOD:

ALL WOOD LOCATED WITHIN 6" OF EXPOSED EARTH SHALL BE "PRESERVATIVE TREATED" OR SHALL BE "NATURALLY DURABLE" MATERIAL IN ACCORDANCE WITH CBC SECTION 2304.11.2.2.

1. ALL ROUGH LUMBER SHALL BE DF #2 OR BETTER.
2. ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, AND RAMSET POWER DRIVEN FASTENERS (ICC # ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.
3. FASTENERS, INCLUDING NUTS AND WASHERS, IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC 2304.9.5.1

ROOF DIAPHRAGM:

3/4" T&G RATED SHEATHING, EXPOSURE 1, 48/24 SPAN RATING
FASTEN AT METAL SUPPORTS W/ #10 x 1 1/4" SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS SCREWS @ 4" O.C. BN, 6" O.C. EN, AND 12" O.C. FN. PROVIDE A MINIMUM OF 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2.

FLOOR DIAPHRAGM:

1 1/8" PLYWOOD - STURD-I-FLOOR T&G RATED SHEATHING, EXTERIOR, 48" oc SPAN RATING
FASTEN AT METAL SUPPORTS W/ #10 - 24 x 1 3/4" SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS @ 6" O.C. BN, 6" O.C. EN, 12" FN. PROVIDE A MINIMUM OF 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2

CONCRETE FLOOR DATA: LIGHTWEIGHT CONCRETE FLOOR
STRENGTH: 3500 PSI
TYPE: I OR II
DESINITY: 110 PCF - MAX

DIMENSION LUMBER ATTACHMENT TO STEEL FRAMING:

2 x STUDS AT CORNER STEEL COLUMNS (NAILING STUD)
USE: #10 - 24 x 2 1/2" LG. SELF-DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD WITH WASHER ZINC COATED TEK SCREWS AT 24" OC.

NAILING NOTES:

1. ALL NAILS SHALL BE COMMON UNLESS OTHERWISE NOTED
2. MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO THE SECOND MEMBER, AND SHALL NOT BE LESS THAN 3" IN OVERALL LENGTH.
3. NAILS SHALL BE ACCEPTABLE FOR HAND NAILING, PROVIDED THE REQUIREMENT EMBEDMENT IS MAINTAINED.

CONNECTIONS AND FASTENERS:

ALL CONNECTIONS AND FASTENERS IN DRAWINGS CAN BE SUBSTITUTED BY AN EQUIVALENT PRODUCT PROVIDING ICC REPORTS ARE SUBMITTED TO AND APPROVED BY DSA.

CONNECTIONS LAG SCREWS:

LAG SCREWS SHALL BE INSTALLED WITH WASHER AND TURNED BY WRENCH, OVER-TORQUING SHALL BE AVOIDED. A PRE-DRILLED CLEARANCE AND LEAD HOLE SHALL BE REQUIRED AS DESCRIBED BELOW:

a) THE CLEARANCE HOLE FOR THE UNTHREADED PORTION OR THE SHANK SHALL HAVE SAME DEPTH AND DIAMETER.

b) THE LEAD HOLE FOR THE THREADED PORTION OF THE SHANK SHALL HAVE SAME DEPTH AND
65% TO 85% OF SHANK DIAMETER FOR LUMBER WITH SPECIFC GRAVITY OF, G > 0.6
60% TO 75% OF SHANK DIAMETER FOR LUMBER WITH SPECIFC GRAVITY OF, 0.5 < G ≤ 0.6
40% TO 70% OF SHANK DIAMETER FOR LUMBER WITH SPECIFC GRAVITY OF, G ≤ 0.5

LEAD OR CLEARANCE HOLES SHALL NOT BE REQUIRED FOR 3/8" DIAMETER OR SMALLER LAG SCREWS.

BALLISTIC PINS OPTIONS

1. HILTI X-CR PIN WITH 0.145 SHANK DIAMTER, ICC ESR-1663
2. RAMP SET 1500 PIN WITH 0.145 SHANK DIAMETER, ICC ESR-1799
3. SIMPSON STRONG TIE PDP PIN WITH 0.145 SHANK DIAMETER, ICC ESR-2138

NAILING SCHEDULE: (ALL NAILS SHALL BE COMMON, GALVANIZED WHERE EXPOSED) PER C.B.C. TABLE 2304.9.1

	CONNECTION	FASTENING	LOCATION
1.	JOIST TO SILL OR GIRDER	3-8d	TOENAIL
2.	BRIDGING TO JOIST	2-8d	TOENAIL EA. END
3.	1X6 OR LESS SUBFLOOR TO EA. JOIST	2-8d	FACE NAIL
4.	WIDER THAN 1X6 SUBFLOOR TO EA. JOIST	3-8d	FACE NAIL
5.	2" SUBFLOOR TO JOIST	2-16d	BLIND & FACE NAIL
6.	SOLE PLT. TO JOIST OR BLK'G. TO EA. JOIST	16d@16"	TYP. FACE NAIL
	SOLE PLT. TO JOIST OR BLK'G. @ BRACED WALL PANEL	3-16d@16"	TYP. FACE NAIL
7.	TOP PLT. TO STUD	2-16d	END NAIL
8.	STUD TO SOLE PLT.	2-16d	END NAIL
	OR	4-8d	TOENAIL
9.	DOUBLE STUDS	16d@24"	END NAIL
10.	DOUBLE TOP PLT.	16d@16"	TYP. FACE NAIL
	DOUBLE TOP PLT.	8-16d MIN. U.N.O.	LAP SPLICE
11.	BLKG. BTW. JOIST OR RAFTERS TO TOP PLT.	3-8d	TOENAIL
12.	RIM JOIST TO TOP PLT.	8d@6"	TOENAIL
13.	TOP PLT., LAPS & INTERSECTIONS	2-16d	FACE NAIL
14.	CONT. HDR. 2 PIECES	16d@16"	ALONG EDGE
15.	CLG. JOIST TO PLT.	3-8d	TOENAIL
16.	CONT. HDR. TO STUD	4-8d	TOENAIL
17.	CLG. JOIST LAP OVER PARTITONS	3-16d	FACE NAIL
18.	CLG. JOIST PARALLEL TO RAFTERS	3-16d	FACE NAIL
19.	RAFTER TO PLT.	3-8d	TOENAIL
20.	1" DIA. BRACE TO EA. STUD & PLT.	2-8d	FACE NAIL
21.	1X8 SHT'G. TO EA. BRG.	3-8d	FACE NAIL
22.	WIDER THAN 1X8 SHT'G. TO BRG.	3-8d	FACE NAIL
23.	BUILT-UP CORNER STUDS	16d@24"	FACE NAIL
24.	BUILT-UP GIRDERS & BEAMS	20d@32"	FACE NAIL @ TOP & BTM. STAGR. ON OPP. SIDES
		2-20d	FACE NAIL @ ENDS & @ EA. SPLICE
25.	2" PLANKS	2-16d	@ EA. BRG.
26.	COLLAR TIE TO RAFTER	3-10d	FACE NAIL
27.	JACK RAFTER TO HIP	3-10d	TOENAIL
28.	ROOF RAFTER TO 2X RIDGE	2-16d	TOENAIL
		2-16d	FACE NAIL
29.	JOIST TO BAND JOIST	3-16d	FACE NAIL
30.	4X BLOCKING TO STUDS	1-A34	FACE NAIL

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
MURRAY D. FRASER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

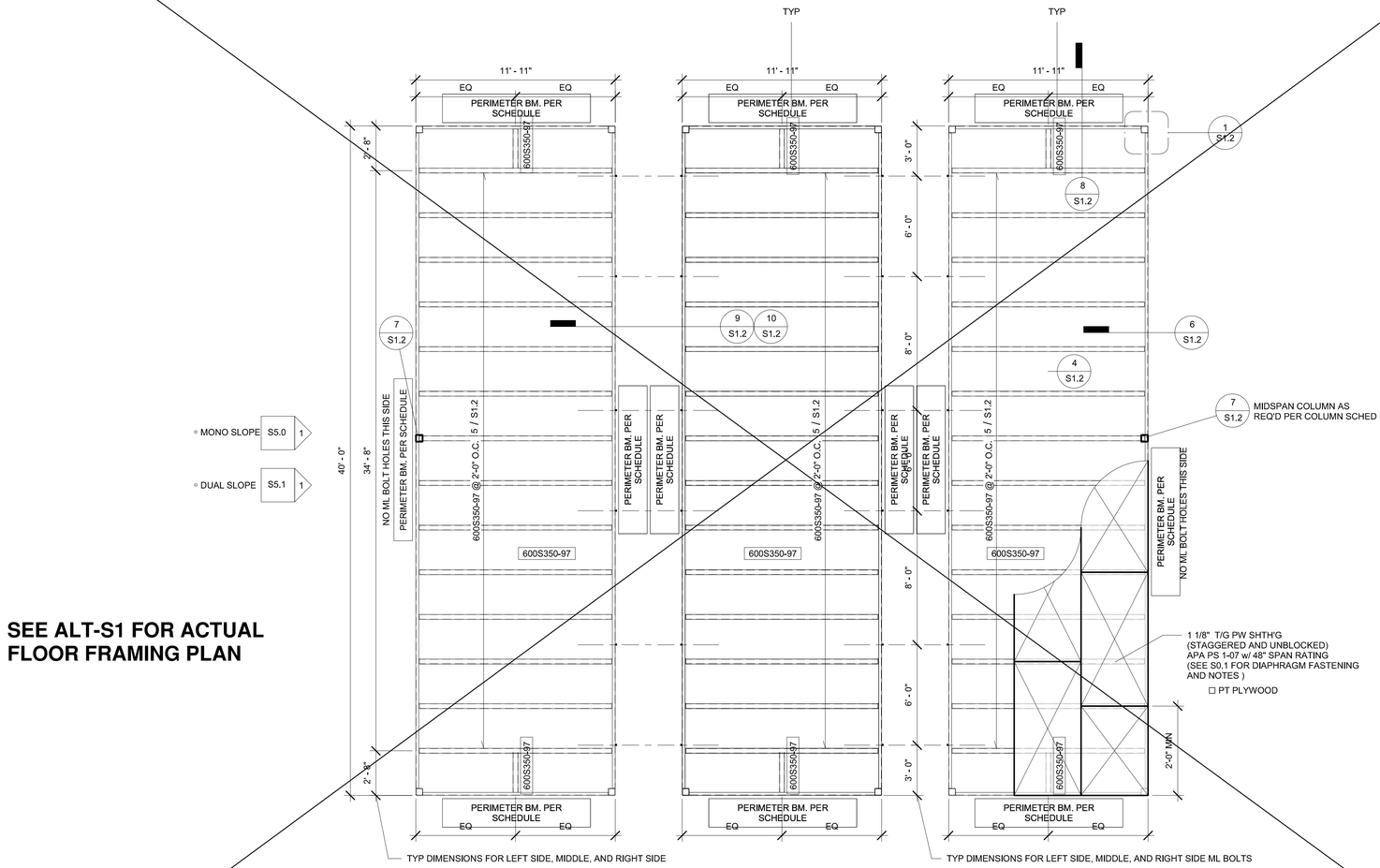
Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
STRUCTURAL GEN NOTES

PROJECT NUMBER 20093
DRAWN BY rMc/SC
CHECKED BY RH/RT
DATE 06/07/2021
SHEET NO. S0.1
SHEET OF



SEE ALT-S1 FOR ACTUAL FLOOR FRAMING PLAN

Perimeter Floor Beam Schedule			
HT	No Plaster Walls	Plaster Walls	w/ Parapet, 18" max
☐ 9'	C9x13.4	C9x13.4	C9x13.4
☐ 10'	C9x13.4	C9x13.4	C9x13.4

NOTE: SPLICE AT FLOOR BEAM PERMITTED PER 3/S1.2

Column Schedule			
HT	No Plaster Walls	Plaster Walls	w/ Parapet, 18" max
☐ 9'	5x5X1/4	5x5X1/4	5x5X1/4
☐ 10'	5x5X1/4	5x5X5/16*	5x5X5/16*
			3x3X3/16 mid-span column

*Alternative 6x6x1/4

1 1/4" = 1'-0"
WD Shth'g Flr Framing Plan (50+15 PSF)

6/8/2021 12:21:08 AM C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6_7_CESAR24D63.rvt

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
WD SHTH'G FLR FRM'G PLAN (50+15 PSF)

PROJECT NUMBER
20093

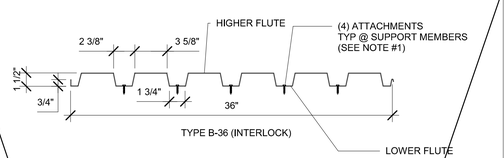
DRAWN BY
rMc/SC

CHECKED BY
RH/RT

DATE
06/07/2021

SHEET NO.
S1.0.1

SHEET OF



DECK SECTION PROPERTIES
TYPE B

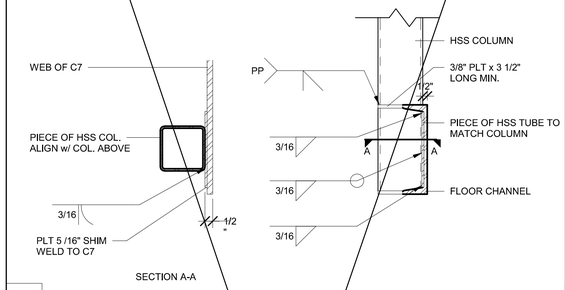
THICKNESS	= 0.036"
POSITIVE	= 0.235 IN³
NEGITIVE	= 0.246 IN³
I	= 0.22 IN⁴

NOTES:

1. TYPICAL ATTACHMENT TO BE #10-16 TEKS/3 OR 1/2" DIAMETER SPOT (PUDDLE) WELDS.

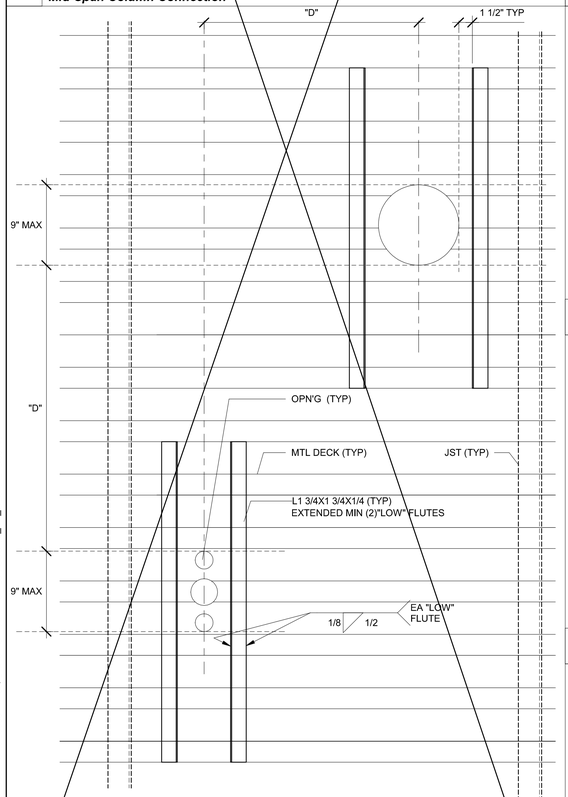
2. PROVIDE #10-16 TEKS/3 @ 12" OC OR 1/2" DIAMETER SPOT (PUDDLE) WELDS AT 12" O.C. AT SUPPORTS PARALLEL WITH FLUTES & @ AT SEAMS

20 *1 1/2" = 1'-0"*
MTL Deck Section Properites



SECTION A-A

7 *1 1/2" = 1'-0"*
Mid-Span Column Connection



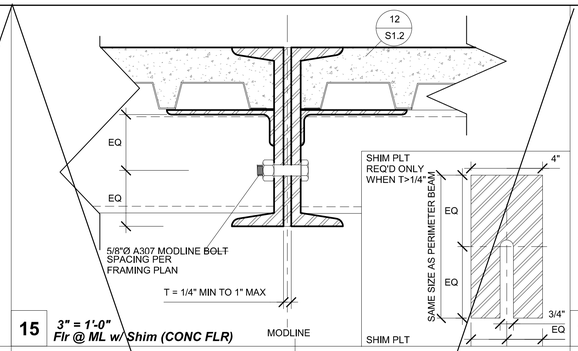
1. THIS DETAIL IS FOR USE ONLY FOR OPENINGS OR OPENING GROUPS THAT ARE 0'-9" OR SMALLER.

2. OPENINGS 2"Ø OR LESS NOT OCCURING IN THE LOWER FLUTE DO NOT REQUIRE REINFORCING AND MAY BE CORED/THRU THE CONCRETE.

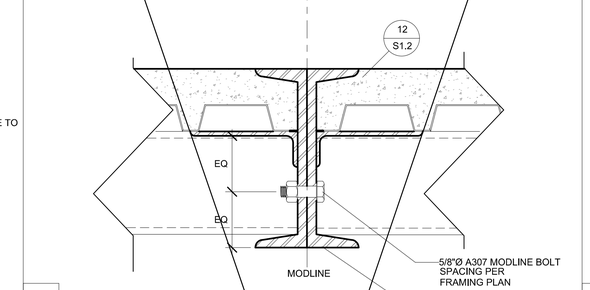
3. IF "D" IS LESS THAN 32" THEN THE GROUP OF OPENINGS MUST BE BLOCKED OUT WITH ADDITIONAL FRAMING.

4. PRIOR TO CONCRETE POUR, BLOCK OUT THE OPENINGS. AFTER THE CONCRETE HAS BEEN CURED THE DECK MAY BE CUT.

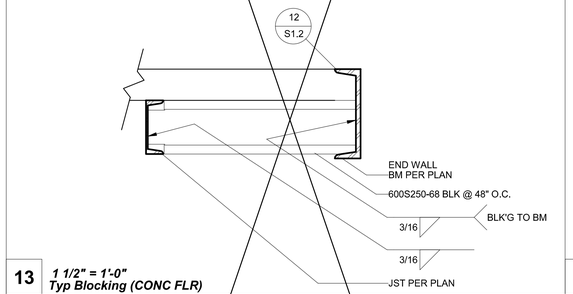
16 *1 1/2" = 1'-0"*
Typ Deck Penetrations (CONC FLR)



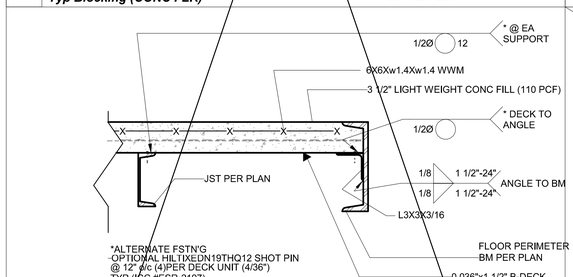
15 *3" = 1'-0"*
Flr @ ML w/ Shim (CONC FLR)



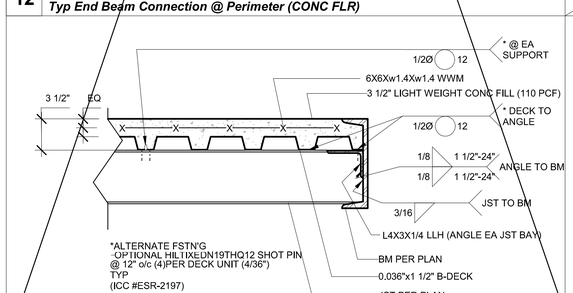
14 *3" = 1'-0"*
Flr @ ML (CONC FLR)1



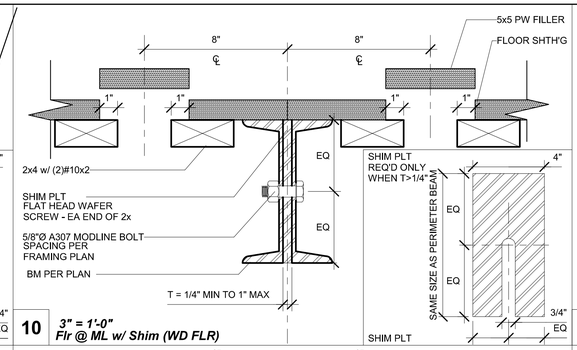
13 *1 1/2" = 1'-0"*
Typ Blocking (CONC FLR)



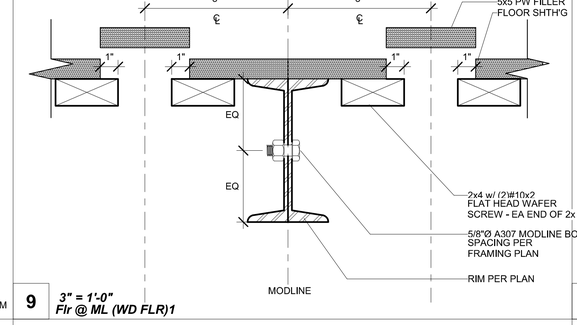
12 *1 1/2" = 1'-0"*
Typ End Beam Connection @ Perimeter (CONC FLR)



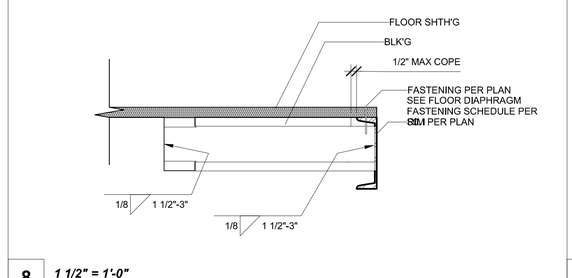
11 *1 1/2" = 1'-0"*
Typ Side Beam Connection @ Perimeter (CONC FLR)



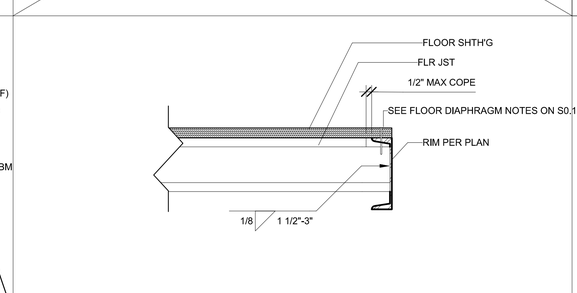
10 *3" = 1'-0"*
Flr @ ML w/ Shim (WD FLR)



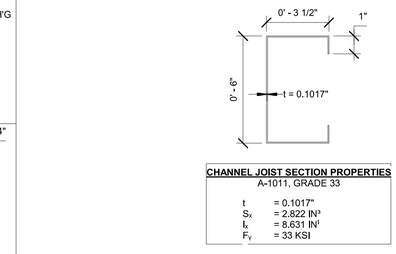
9 *3" = 1'-0"*
Flr @ ML (WD FLR)1



8 *1 1/2" = 1'-0"*
Typ Blk'g Connection @ Rim (WD FLR)



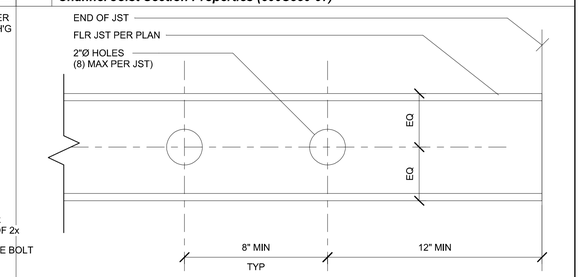
6 *1 1/2" = 1'-0"*
Typ Joist Connection @ Rim (WD FLR)



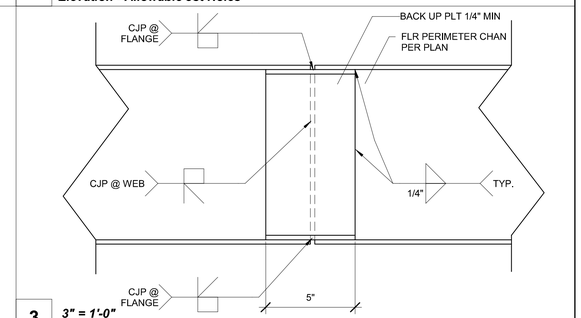
CHANNEL JOIST SECTION PROPERTIES
A-1011, GRADE 33

t	= 0.1017"
S_x	= 2.822 IN³
I_x	= 8.631 IN⁴
F_y	= 33 KSI

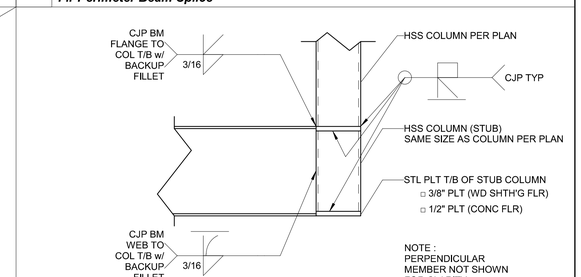
5 *3" = 1'-0"*
Channel Joist Section Properties (600S350-97)



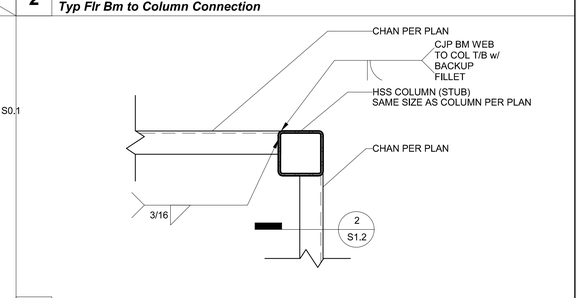
4 *3" = 1'-0"*
Elevation - Allowable Jst Holes



3 *3" = 1'-0"*
Flr Perimeter Beam Splice



2 *1 1/2" = 1'-0"*
Typ Flr Bm to Column Connection



1 *1 1/2" = 1'-0"*
Typ Corner Connection

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
STRUCTURAL DETAILS (FLOOR)

PROJECT NUMBER
20093

DRAWN BY
rMc/SC

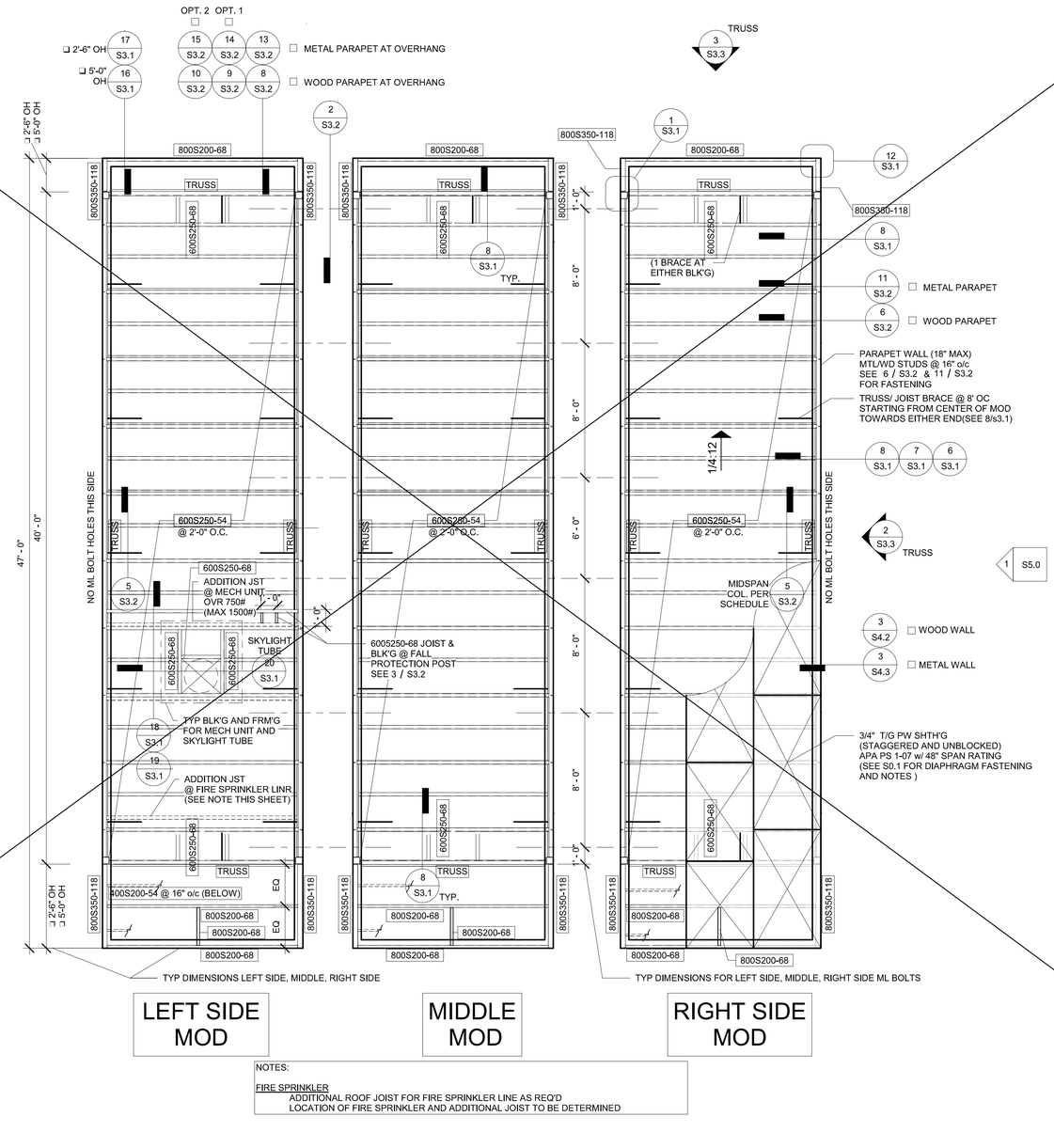
CHECKED BY
RH/RT

DATE
06/07/2021

SHEET NO.
S1.2

SHEET OF

C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6.7_CES\R24D63.rvt
6/8/2021 12:21:25 AM



NOTES:

FIRE SPRINKLER
ADDITIONAL ROOF JOIST FOR FIRE SPRINKLER LINE AS REQ'D
LOCATION OF FIRE SPRINKLER AND ADDITIONAL JOIST TO BE DETERMINED

SEE ALT-S2 FOR ACTUAL ROOF FRAMING PLAN

1 *1/4" = 1'-0"*
Mono Roof Framing Plan

6/8/2021 12:21:28 AM C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6.7_CESAR24D63.rvt

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
MONO SLOPE ROOF FRM'G PLAN

PROJECT NUMBER
20093

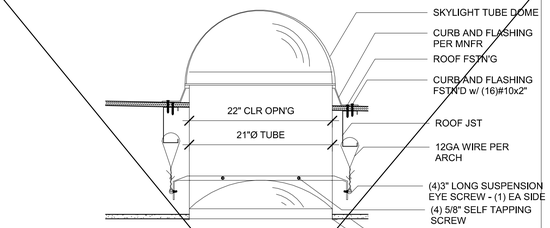
DRAWN BY
rMc/SC

CHECKED BY
RH/RT

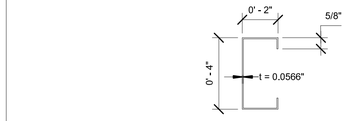
DATE
06/07/2021

SHEET NO.
S3.0.1

SHEET OF

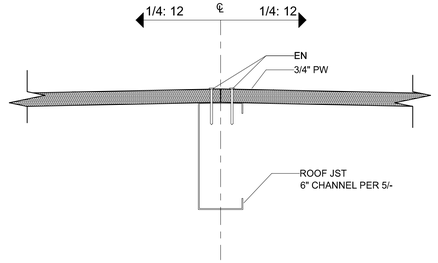


20 *1" = 1'-0"*
SKYLIGHT TUBE

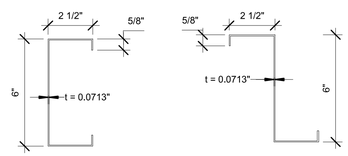


OVERHANG CHANNEL SECTION PROPERTIES
400S200-54
A-1003, GRADE 33, TYPE H
t = 0.0566"
S_x = 0.623 IN^3
I_x = 1.292 IN^4
F_y = 33 KSI

15 *3" = 1'-0"*
Soffit Channel Section Properties

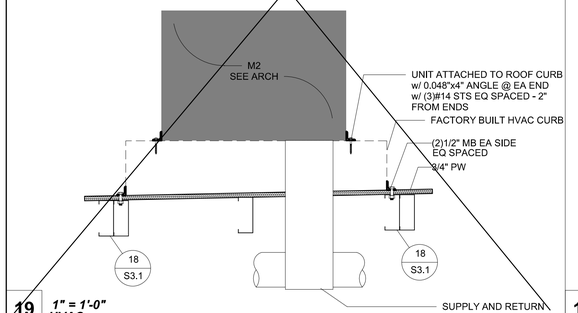


10 *3" = 1'-0"*
Roof @ Ridge

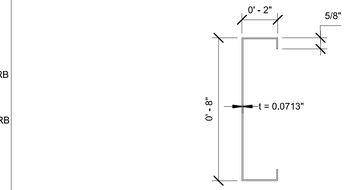


CHANNEL JOIST SECTION PROPERTIES
600S250-68 OR Z6X2.5X5/8-14GA
A-1003, GRADE 33, TYPE H
t = 0.0713"
S_x = 1.508 IN^3
I_x = 4.727 IN^4
F_y = 33 KSI

5 *3" = 1'-0"*
Roof Channel Joist Section Properites

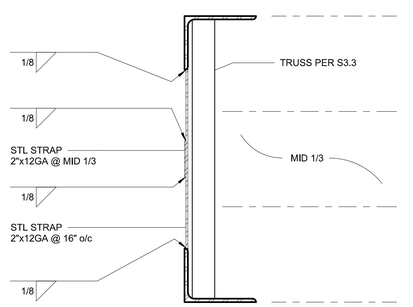


19 *1" = 1'-0"*
HVAC

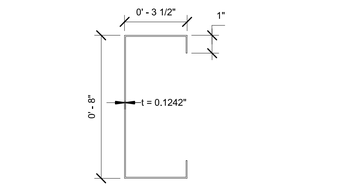


OVERHANG CHANNEL SECTION PROPERTIES
800S200-68
A-1003, GRADE 33, TYPE H
t = 0.0713"
S_x = 2.035 IN^3
I_x = 8.140 IN^4
F_y = 33 KSI

14 *3" = 1'-0"*
Fascia Channel Section Properties

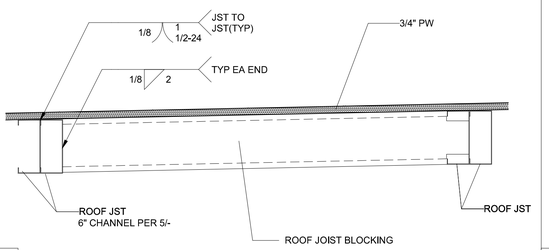


7 *3" = 1'-0"*
Typ Roof Joist Connection @ Truss Chord

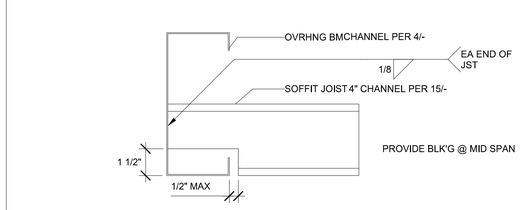


OVERHANG CHANNEL SECTION PROPERTIES
800S350-118
A-1003, GRADE 33, TYPE H
t = 0.1242"
S_x = 5.010 IN^3
I_x = 20.041 IN^4
F_y = 33 KSI

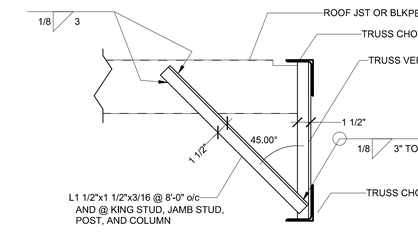
4 *3" = 1'-0"*
Overhang Beam Section Properites



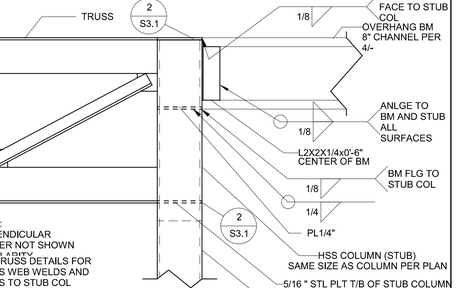
18 *1 1/2" = 1'-0"*
HVAC Frmg



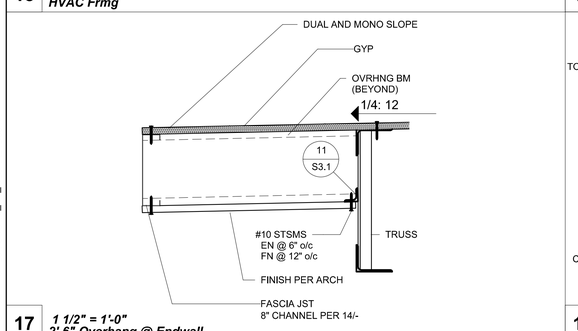
13 *3" = 1'-0"*
Typ Soffit Joist Connection



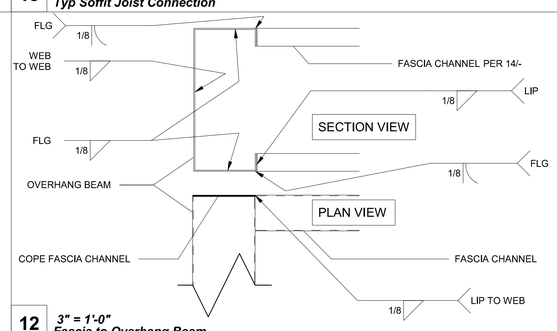
8 *1 1/2" = 1'-0"*
Typ Roof Jst Bracing



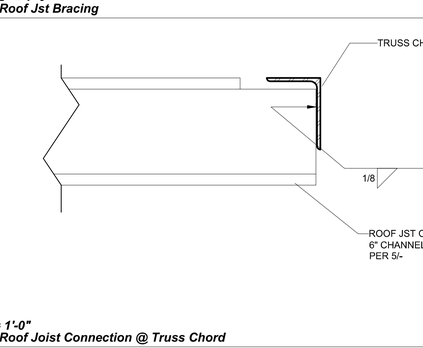
3 *1 1/2" = 1'-0"*
Typ Overhang Beam to Column Connection



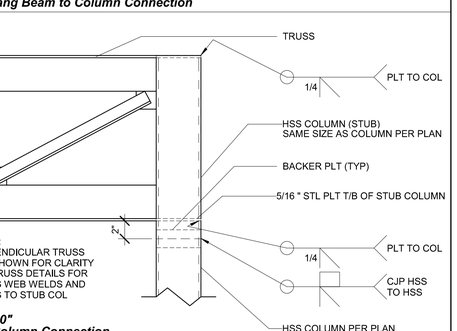
17 *1 1/2" = 1'-0"*
2'-6" Overhang @ Endwall



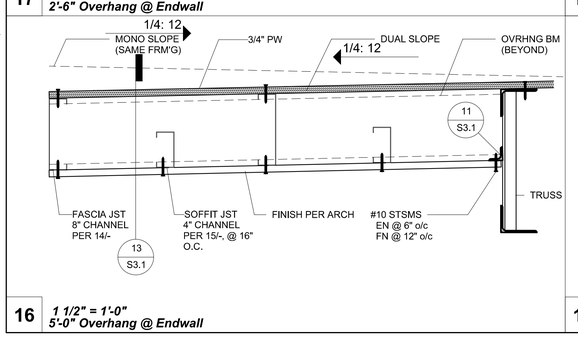
12 *3" = 1'-0"*
Fascia to Overhang Beam



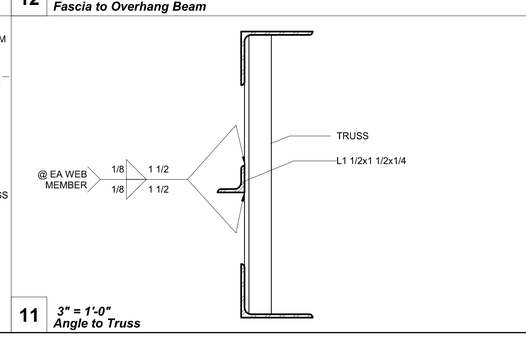
7 *3" = 1'-0"*
Typ Roof Joist Connection @ Truss Chord



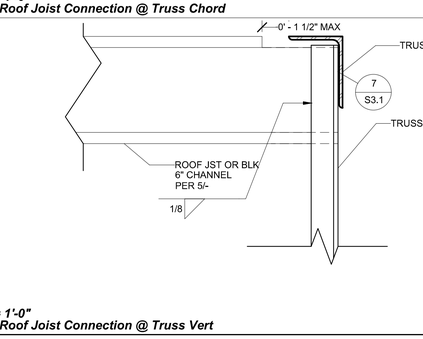
2 *1 1/2" = 1'-0"*
Typ Stub Column Connection



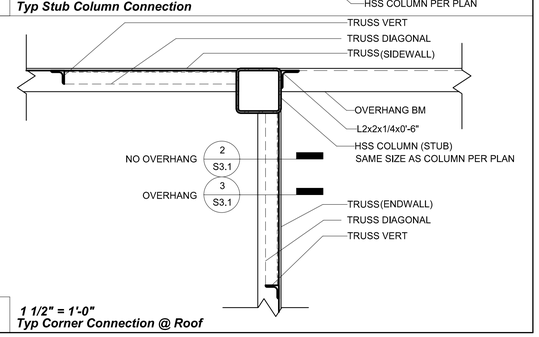
16 *1 1/2" = 1'-0"*
5'-0" Overhang @ Endwall



11 *3" = 1'-0"*
Angle to Truss



6 *3" = 1'-0"*
Typ Roof Joist Connection @ Truss Vert



1 *1 1/2" = 1'-0"*
Typ Corner Connection @ Roof

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE

PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE

STRUCTURAL DETAILS (ROOF)

PROJECT NUMBER
20093

DRAWN BY
rMc/SC

CHECKED BY
RH/RT

DATE
06/07/2021

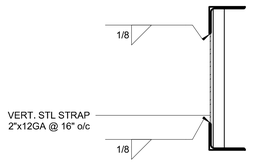
SHEET NO.
S3.1

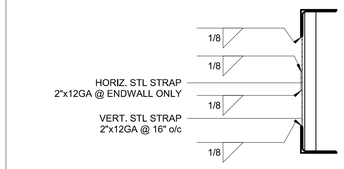
SHEET OF

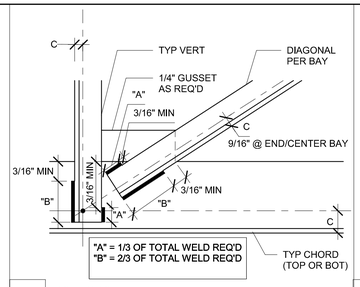
6/8/2021 12:21:35 AM C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6_7_CESAR24D63.rvt

TABLE A-SECTION CENTROID	
SECTION	CENTROID C
L4X3 (LLV)	1 1/4"
L4X3 (LLH)	3/4"
L2X2X3/16	9/16"
L1.5X1.5X3/16	7/16"

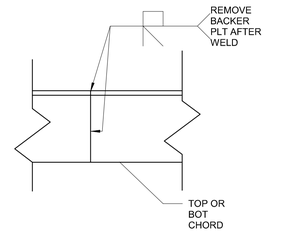
12 *1/2" = 1'-0"*
TABLE A - SECTION CENTROID



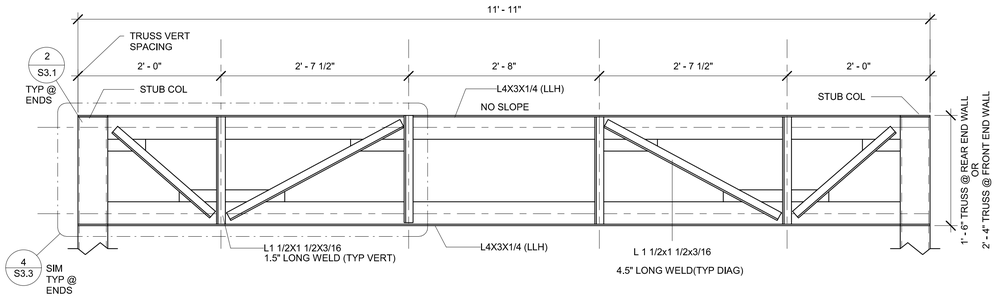




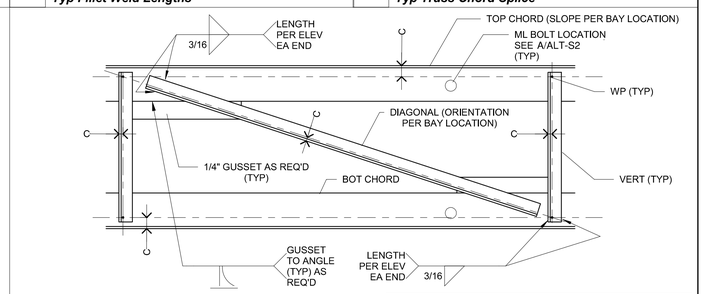
8 *3" = 1'-0"*
Typ Fillet Weld Lengths



9 *3" = 1'-0"*
Typ Truss Chord Splice

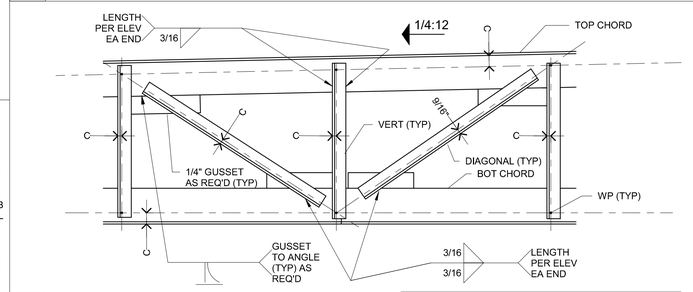


3 *1" = 1'-0"*
End Wall Truss



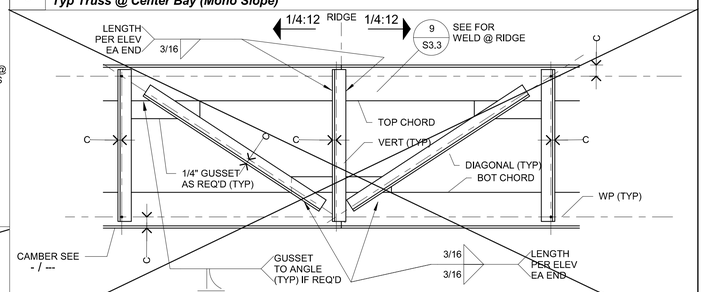
7 *1 1/2" = 1'-0"*
Typ Truss Bay

NOTE:
SEE DISTRIBUTION S3.3 FOR ALL FILLET WELD LENGTH



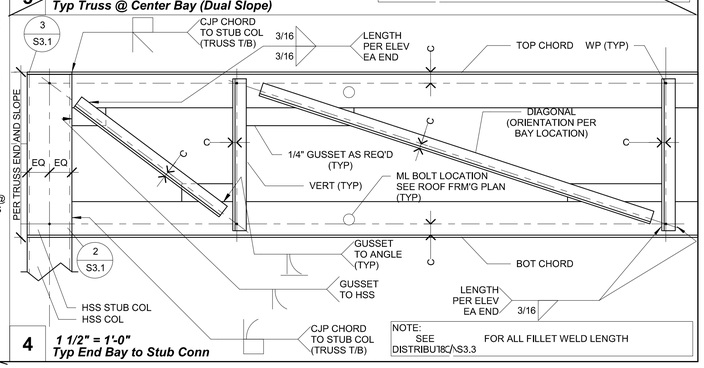
6 *1 1/2" = 1'-0"*
Typ Truss @ Center Bay (Mono Slope)

NOTE:
SEE 8 / S3.3 FOR ALL FILLET WELD LENGTH DISTRIBUTION



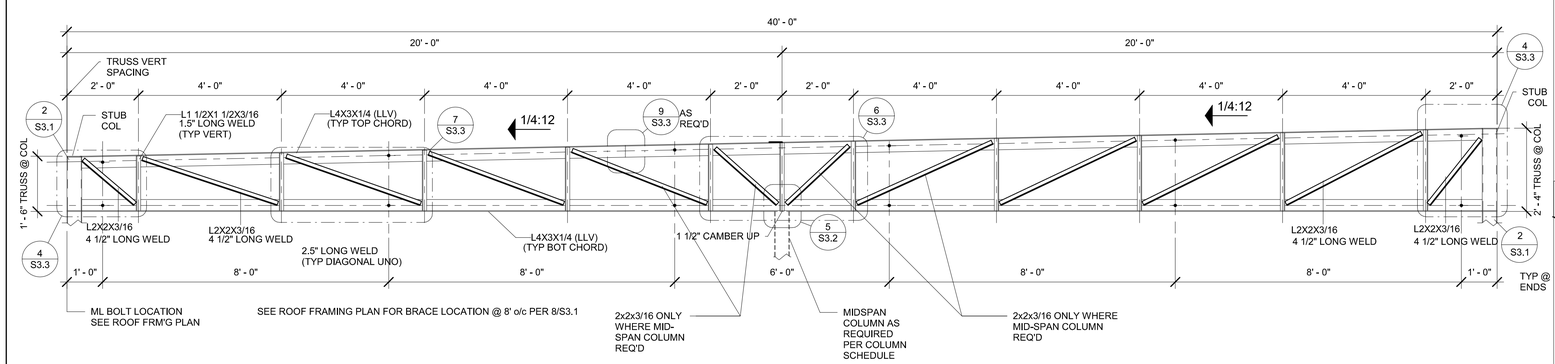
5 *1 1/2" = 1'-0"*
Typ Truss @ Center Bay (Dual Slope)

NOTE:
SEE 8 / S3.3 FOR ALL FILLET WELD LENGTH DISTRIBUTION

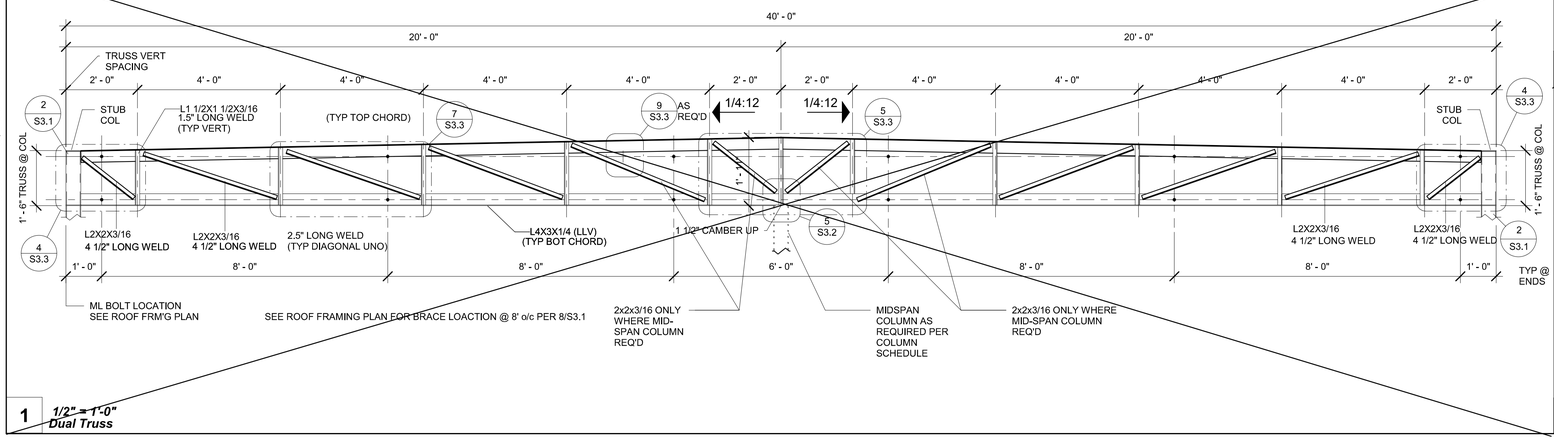


4 *1 1/2" = 1'-0"*
Typ End Bay to Stub Conn

NOTE:
SEE DISTRIBUTION S3.3 FOR ALL FILLET WELD LENGTH



2 *1/2" = 1'-0"*
Mono Truss



1 *1/2" = 1'-0"*
Dual Truss

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing

1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE

PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE

ROOF PERIMETER TRUSS

PROJECT NUMBER

20093

DRAWN BY

rMc/SC

CHECKED BY

RH/RT

DATE

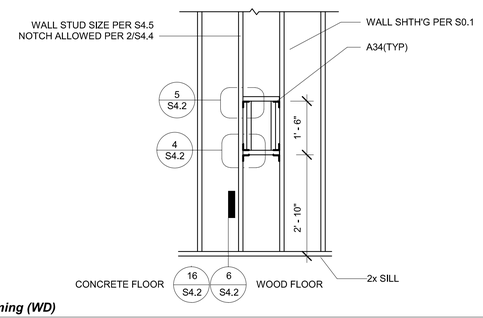
06/07/2021

SHEET NO.

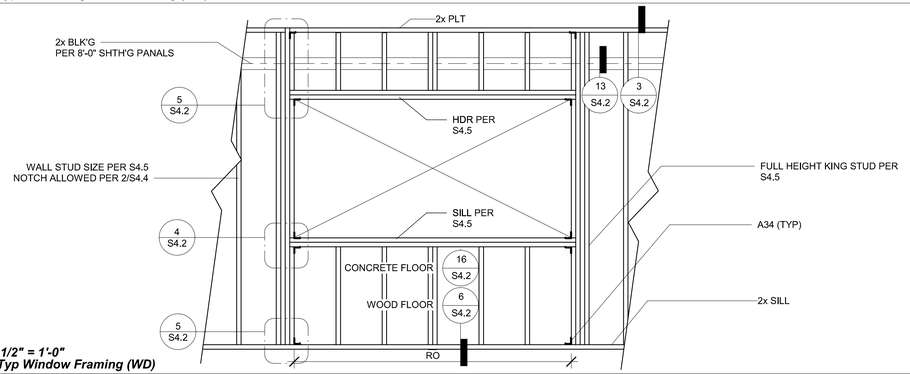
S3.3

SHEET OF

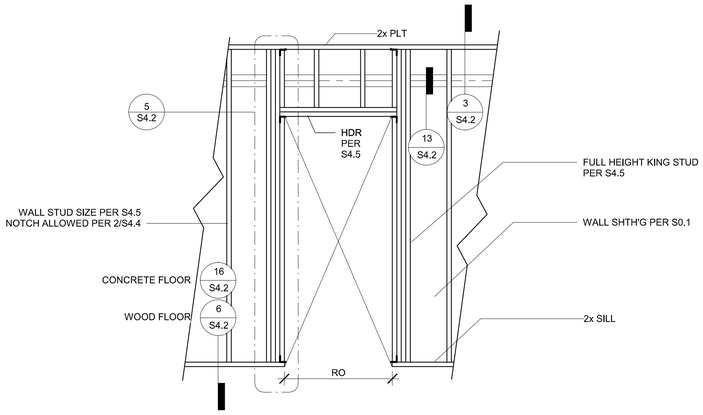
6/8/2021 12:21:44 AM C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6_7_CES&R24D63.rvt



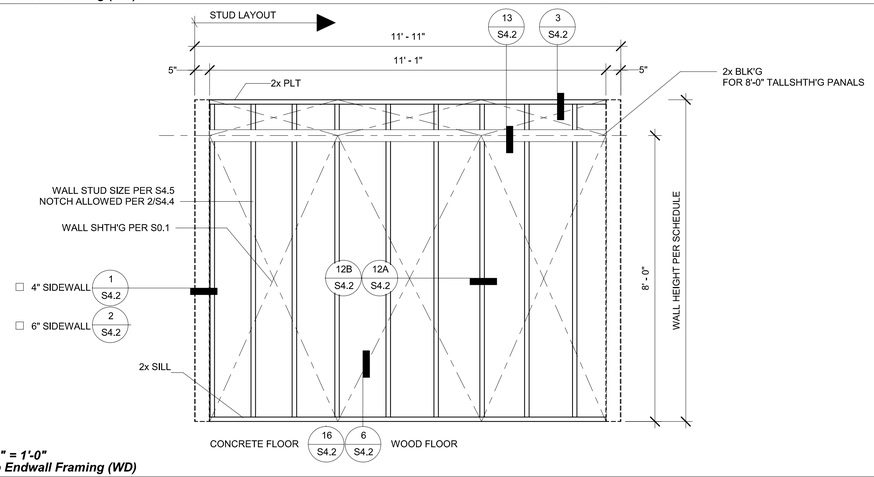
6 *1/2" = 1'-0"*
Typ Fire Extinguisher Framing (WD)



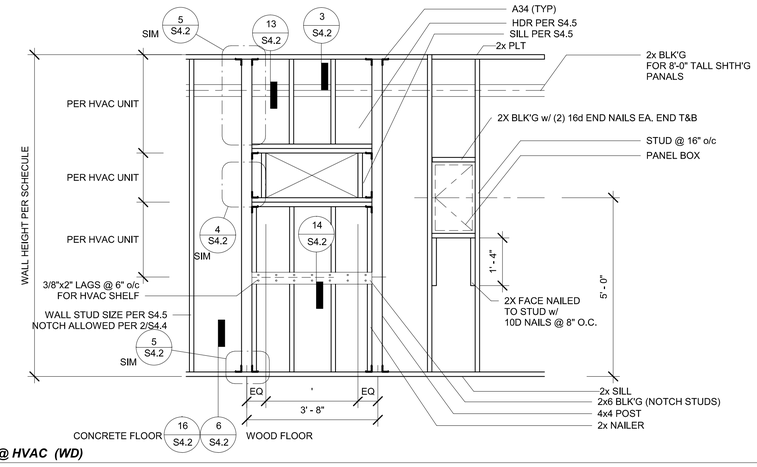
4 *1/2" = 1'-0"*
Typ Window Framing (WD)



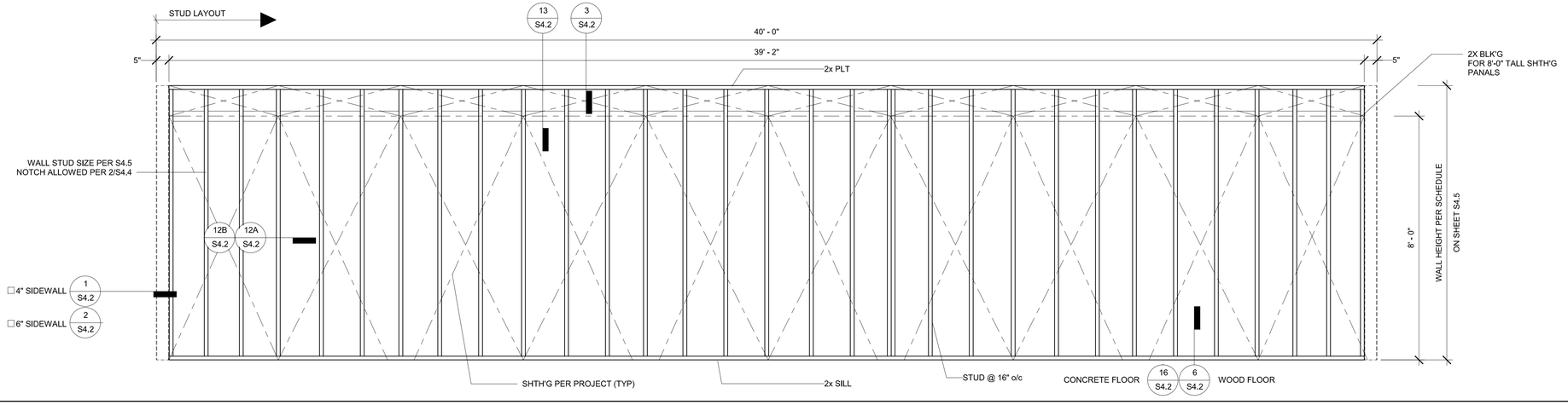
5 *1/2" = 1'-0"*
Typ Door Framing (WD)



2 *1/2" = 1'-0"*
Typ Endwall Framing (WD)



3 *1/2" = 1'-0"*
Typ Endwall Framing @ HVAC (WD)



1 *1/2" = 1'-0"*
Typ Sidewall Framing (WD)

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE

PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE

WD WALL FRAMING ELEVATIONS

PROJECT NUMBER
20093

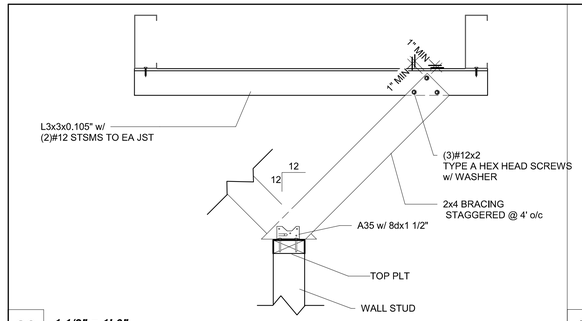
DRAWN BY
rMc/SC

CHECKED BY
RH/RT

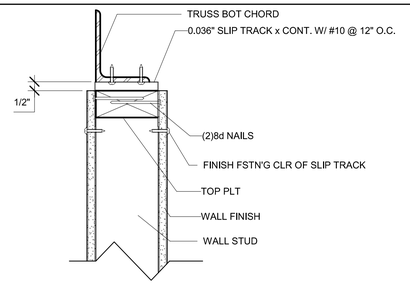
DATE
06/07/2021

SHEET NO.
S4.1

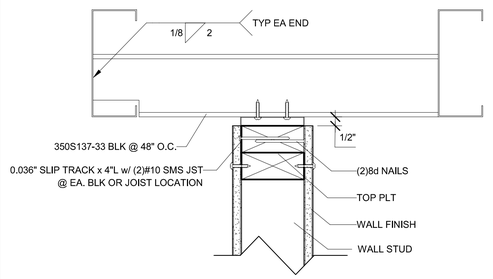
SHEET OF



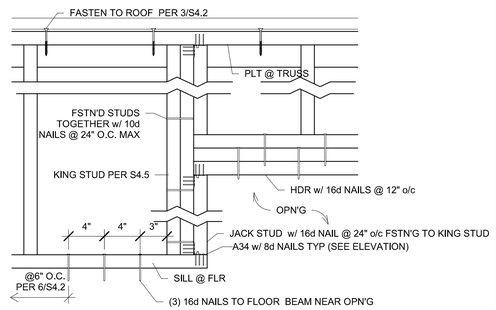
20 *1 1/2" = 1'-0"*
Sections - Interior Partition w/ Brace to Blk'g (WD)



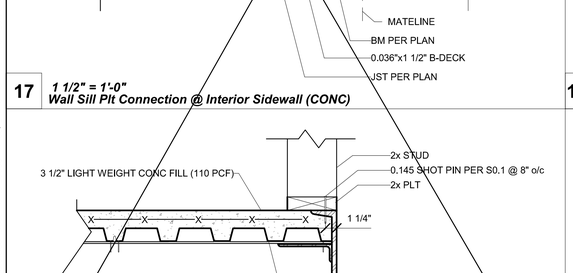
15 *3" = 1'-0"*
Section - Interior Wall Top Plate @ Truss (ML)



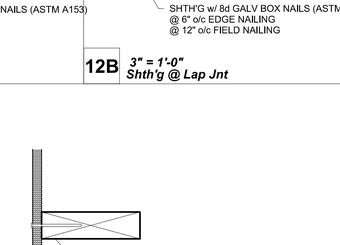
10 *3" = 1'-0"*
Sections - Interior Partition @ Blk'g (WD)



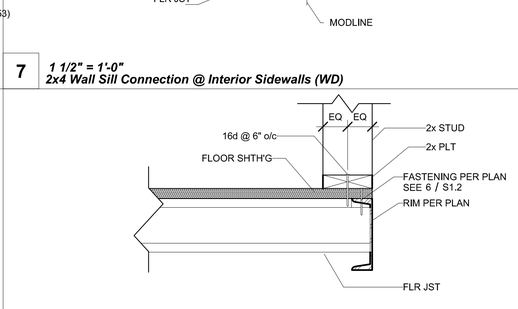
5 *1 1/2" = 1'-0"*
Elevation - Window/Door Hdr and Sill



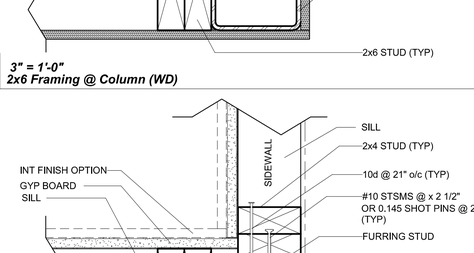
19 *1 1/2" = 1'-0"*
Sections - Interior Partition w/ Brace (WD)



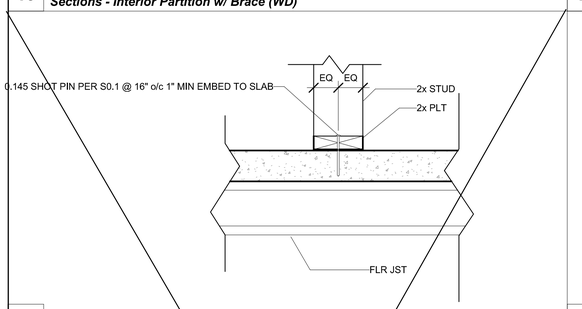
14 *3" = 1'-0"*
Notch Stud @ Blk'g



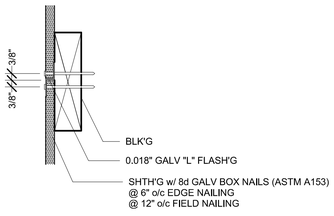
9 *3" = 1'-0"*
Sections - Interior Partition @ Jst (WD)



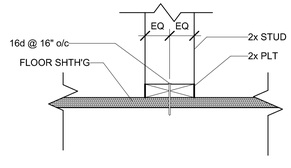
4 *3" = 1'-0"*
Elevation - Ext Wall Sill @ Window



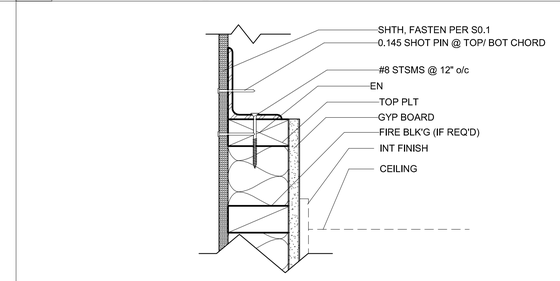
18 *1 1/2" = 1'-0"*
Typ Partition Sill Connection (CONC)



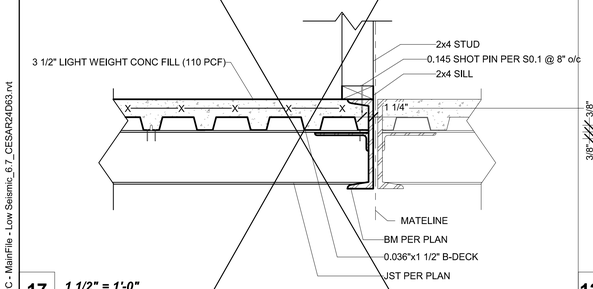
13 *3" = 1'-0"*
Shth'g @ Blk'g



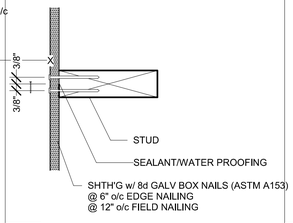
8 *1 1/2" = 1'-0"*
Typ Partition Sill Connection (WD)



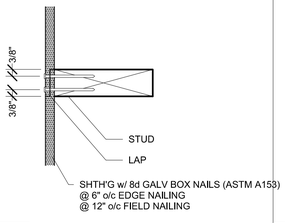
3 *3" = 1'-0"*
Section - Exterior Wall Top Plate @ Truss (WD)



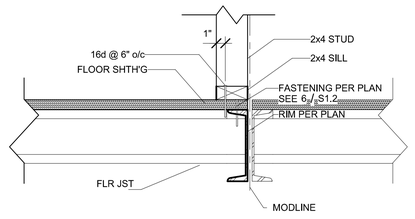
17 *1 1/2" = 1'-0"*
Wall Sill Plt Connection @ Interior Sidewall (CONC)



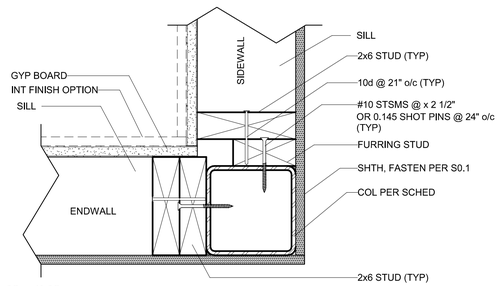
12A *3" = 1'-0"*
Shth'g @ Butt Jnt



12B *3" = 1'-0"*
Shth'g @ Lap Jnt



7 *1 1/2" = 1'-0"*
2x4 Wall Sill Connection @ Interior Sidewalls (WD)



2 *3" = 1'-0"*
2x6 Framing @ Column (WD)

16 *1 1/2" = 1'-0"*
Wall Sill Plt Connection @ Exterior Rim (CONC)

11 *3" = 1'-0"*
Shth'g @ Stud Conn

6 *1 1/2" = 1'-0"*
Wall Sill Connection @ Exterior Rim (WD)

1 *3" = 1'-0"*
Interior Sidewall Framing @ Column (WD)

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE

PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE

WALL DETAILS (WOOD FRAMING)

PROJECT NUMBER 20093

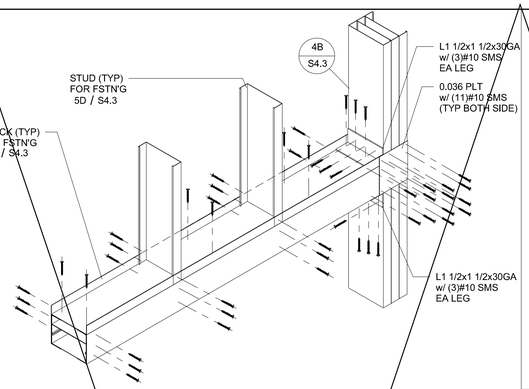
DRAWN BY rMc/SC

CHECKED BY RH/RT

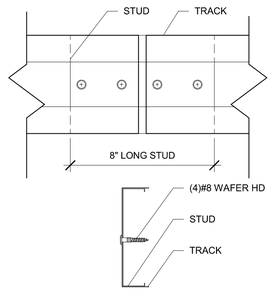
DATE 06/07/2021

SHEET NO. S4.2

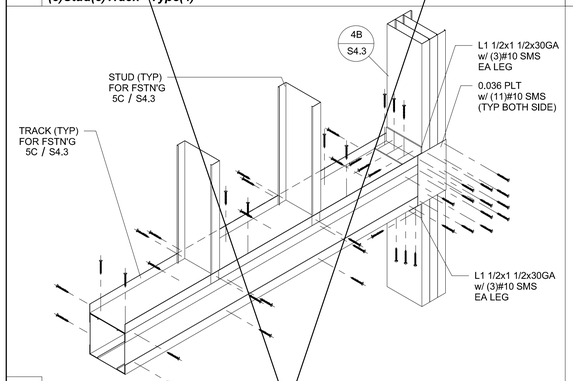
SHEET OF



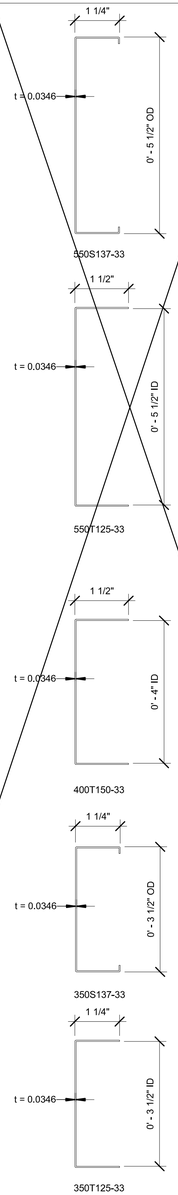
8 ***1 1/2" = 1'-0"***
(3)Stud(3)Track - Type(4)



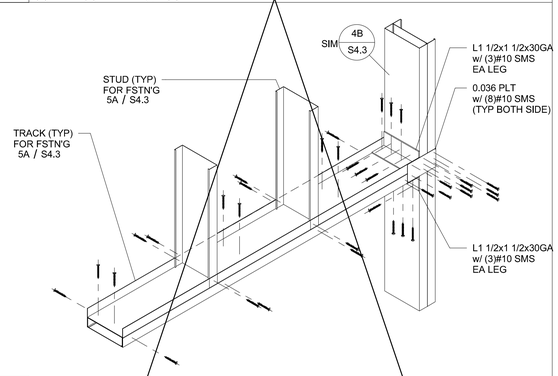
4 ***3" = 1'-0"***
Track Splice



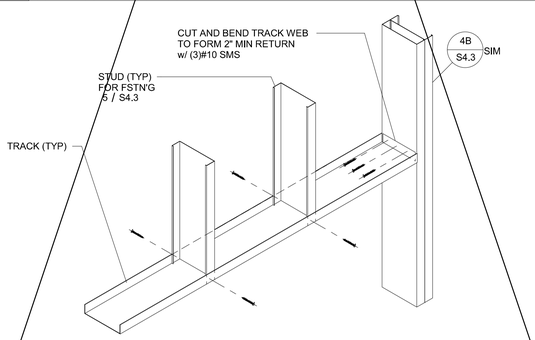
7 ***1 1/2" = 1'-0"***
(3)Track(2)Stud - Type(3)



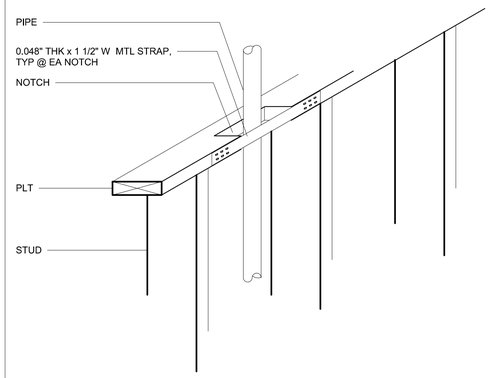
3 ***6" = 1'-0"***
STUD AND TRACK



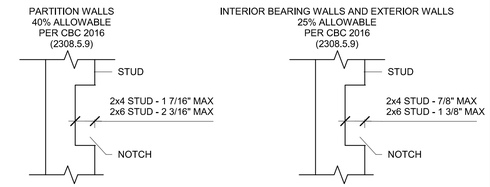
6 ***1 1/2" = 1'-0"***
(2)Track(1)Stud - Type(2)

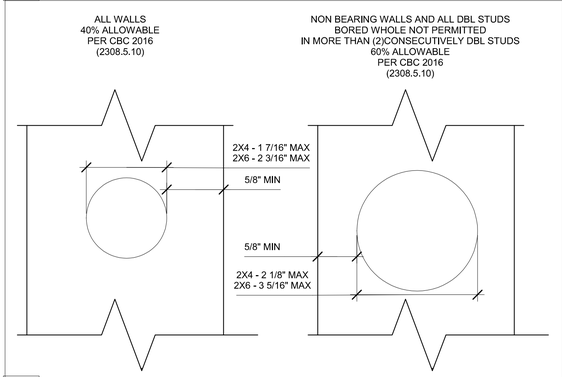


5 ***1 1/2" = 1'-0"***
Single Track - Type(1)



2 ***1 1/2" = 1'-0"***
Plt Notch





1 ***6" = 1'-0"***
Stud Penetration

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
TYP FRAMING

PROJECT NUMBER
20093

DRAWN BY
rMc/SC

CHECKED BY
RH/RT

DATE
06/07/2021

SHEET NO.
S4.4

SHEET OF

6/8/2021 12:21:59 AM C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6_7_CESAR24D63.rvt

2x4 Interior Wall Opening Schedule

COL HEIGHT	OPN'G SIZE	HDR			SILL			FULL HEIGHT KING STUD		
		Lumber	Number	Type	Lumber	Number	Type	Lumber	Number	Type
9FT	3070	HF	1	#2	-	-	-	HF	2	#2
		DF	1	#2	-	-	-	DF	2	#2
	4070	HF	1	#2	-	-	-	HF	2	#2
		DF	1	#2	-	-	-	DF	2	#2
	6040	HF	2	#2	DF	2	#2	HF	2	#2
		DF	2	#2	DF	2	#2	DF	2	#2
	8040	HF	3	#2	HF	3	#2	HF	2	#2
		DF	3	#2	DF	3	#2	DF	2	#2
10FT	3070	HF	1	#2	-	-	-	HF	2	#2
		DF	1	#2	-	-	-	DF	2	#2
	4070	HF	1	#2	-	-	-	HF	2	#2
		DF	1	#2	-	-	-	DF	2	#2
	6040	HF	2	#2	HF	2	#2	HF	2	#2
		DF	2	#2	DF	2	#2	DF	2	#2
	8040	HF	3	#2	HF	3	#2	HF	2	#2
		DF	3	#2	DF	3	#2	DF	2	#2

2x6 Exterior Wall Opening Schedule (SHTH'G FINISH)

COL HEIGHT	OPN'G SIZE	HDR			SILL			FULL HEIGHT KING STUD		
		Lumber	Number	Type	Lumber	Number	Type	Lumber	Number	Type
9FT	3070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	4070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	6040	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	8040	HF	2	#2	HF	1	#2	HF	2	#2
		DF	2	#2	DF	1	#2	DF	2	#2
10FT	3070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	4070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	6040	HF	2	#2	HF	1	#2	HF	2	#2
		DF	2	#2	DF	1	#2	DF	2	#2
	8040	HF	3	#2	HF	1	#2	HF	2	#2
		DF	3	#2	DF	1	#2	DF	2	#2

2x6 Exterior Wall Opening Schedule (PLASTER FINISH)

COL HEIGHT	OPN'G SIZE	HDR			SILL			FULL HEIGHT KING STUD		
		Lumber	Number	Type	Lumber	Number	Type	Lumber	Number	Type
9FT	3070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	4070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	6040	HF	2	#2	HF	1	#2	HF	2	#2
		DF	2	#2	DF	1	#2	DF	1	#2
	8040	HF	2	#2	HF	1	#2	HF	2	#2
		DF	3	#2	DF	1	#2	DF	2	#2
10FT	3070	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	4070	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	6040	HF	2	#2	HF	1	#2	HF	2	#2
		DF	2	#2	DF	1	#2	DF	2	#2
	8040	HF	2	#2	HF	1	#2	HF	3	#2
		DF	3	#2	DF	1	#2	DF	2	#2

2x4 Interior Wall Framing Schedule

COL HEIGHT	Typical Location				4ft From Building Corner			
	Lumber	Number	Type	Spacing	Lumber	Number	Type	Spacing
9	HF	1	#2	16" O.C.	-	-	-	-
	DF	1	#2	16" O.C.	-	-	-	-
10	HF	1	#2	16" O.C.	-	-	-	-
	DF	1	#2	16" O.C.	-	-	-	-

2x6 Exterior Wall Framing Schedule (SHTH'G FINISH)

COL HEIGHT	Typical Location				4ft From Building Corner			
	Lumber	Number	Type	Spacing	Lumber	Number	Type	Spacing
9	HF	1	#2	16" O.C.	HF	1	#2	16" O.C.
	DF	1	#2	16" O.C.	DF	1	#2	16" O.C.
10	HF	1	#2	16" O.C.	HF	1	#2	16" O.C.
	DF	1	#2	16" O.C.	DF	1	#2	16" O.C.

2x6 Exterior Wall Framing Schedule (PLASTER FINISH)

COL HEIGHT	Typical Location				4ft From Building Corner			
	Lumber	Number	Type	Spacing	Lumber	Number	Type	Spacing
9	HF	1	#2	16" O.C.	HF	1	#2	16" O.C.
	DF	1	#2	16" O.C.	DF	1	#2	16" O.C.
10	HF	1	#2	16" O.C.	HF	1	#2	16" O.C.
	DF	1	#2	16" O.C.	DF	1	#2	16" O.C.

NOTE: SEE DETAIL 1 ON SHEETS A2.1 - A2.8

□ 350 Interior Wall Opening Schedule --Studs = 350S137-33 --Track = 350T125-33

Col Ht	Opn'g Size	HDR		SILL		FULL HEIGHT KING STUD		
		Type	Reference	Type	Reference	Type	Num.	Size
9'- 0"	3070	1	5	N/A	N/A	Stud	(2)	350S137-33
	4070	1	5	N/A	N/A	Stud	(2)	350S137-33
	6040	2	6	2	6	Stud	(3)	350S137-33
	8040	3	8	3	8	Stud	(3)	350S137-33
10'- 0"	3070	1	5	N/A	N/A	Stud	(2)	350S137-33
	4070	2	5	N/A	N/A	Stud	(2)	350S137-33
	6040	2	6	2	6	Stud	(3)	350S137-33
	8040	4	8	4	8	Stud	(4)	350S137-33

□ 550 Exterior Wall Opening Schedule (SHTH'G FINSIH) --Studs = 550S137-33 --Track = 550T125-33

Col Ht	Opn'g Size	HDR		SILL		FULL HEIGHT KING STUD		
		Type	Reference	Type		Type	Num.	Size
9'- 0"	3070	1	5	N/A	N/A	Stud	(2)	550S137-33
	4070	1	5	N/A	N/A	Stud	(2)	550S137-33
	6040	2	6	2	6	Stud	(3)	550S137-33
	8040	3	6	3	6	Stud	(3)	550S137-33
10'- 0"	3070	1	5	N/A	N/A	Stud	(2)	550S137-33
	4070	2	5	N/A	N/A	Stud	(2)	550S137-33
	6040	2	6	2	6	Stud	(3)	550S137-33
	8040	4	6	4	6	Stud	(4)	550S137-33

□ 550 Exterior Wall Opening Schedule (PLASTER FINSIH) --Stud = 550S137-33 --Track = 550T125-33

Col Ht	Opn'g Size	HDR		SILL		FULL HEIGHT KING STUD		
		Type		Type		Type	Num.	Size
9'- 0"	3070	1	5	N/A	N/A	Stud	(2)	550S137-33
	4070	1	5	N/A	N/A	Stud	(2)	550S137-33
	6040	2	6	2	6	Stud	(3)	550S137-33
	8040	3	6	3	6	Stud	(3)	550S137-33
10'- 0"	3070	1	5	N/A	N/A	Stud	(2)	550S137-33
	4070	2	5	N/A	N/A	Stud	(2)	550S137-33
	6040	2	6	2	6	Stud	(3)	550S137-33
	8040	4	6	4	6	Stud	(4)	550S137-33

□ 350 Interior Wall Framing Schedule

Column Height	Typ Wall Framing				4" From Corner Stud			
	Size	Number	Type	Spacing	Lumber	Number	Type	Spacing
9'- 0"	350S137-33	(1)	Stud	16" o/c	-	-	-	-
10'- 0"	350S137-33	(1)	Stud	16" o/c	-	-	-	-

□ 550 Exterior Wall Framing Schedule (SHTH'G FINISH)

Column Height	Typ Wall Framing				4" From Corner Stud			
	Size	Number	Type	Spacing	Lumber	Number	Type	Spacing
9'- 0"	550S137-33	(1)	Stud	16" o/c	550S137-33	(1)	Stud	16" o/c
10'- 0"	550S137-33	(1)	Stud	16" o/c	550S137-33	(1)	Stud	16" o/c

□ 550 Exterior Wall Framing Schedule (PLASTER FINISH)

Column Height	Typ Wall Framing				4" From Corner Stud			
	Size	Number	Type	Spacing	Lumber	Number	Type	Spacing
9'- 0"	550S137-33	(1)	Stud	16" o/c	550S137-33	(1)	Stud	16" o/c
10'- 0"	550S137-33	(1)	Stud	16" o/c	550S137-33	(1)	Stud	16" o/c

C:\Users\User\Documents\20093 - Aries, 24x40 PC - MainFile - Low Seismic_6.7_CESAR24D63.rvt

6/8/2021 12:22:02 AM

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE

PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE

FRAMING SCHEDULES

PROJECT NUMBER 20093

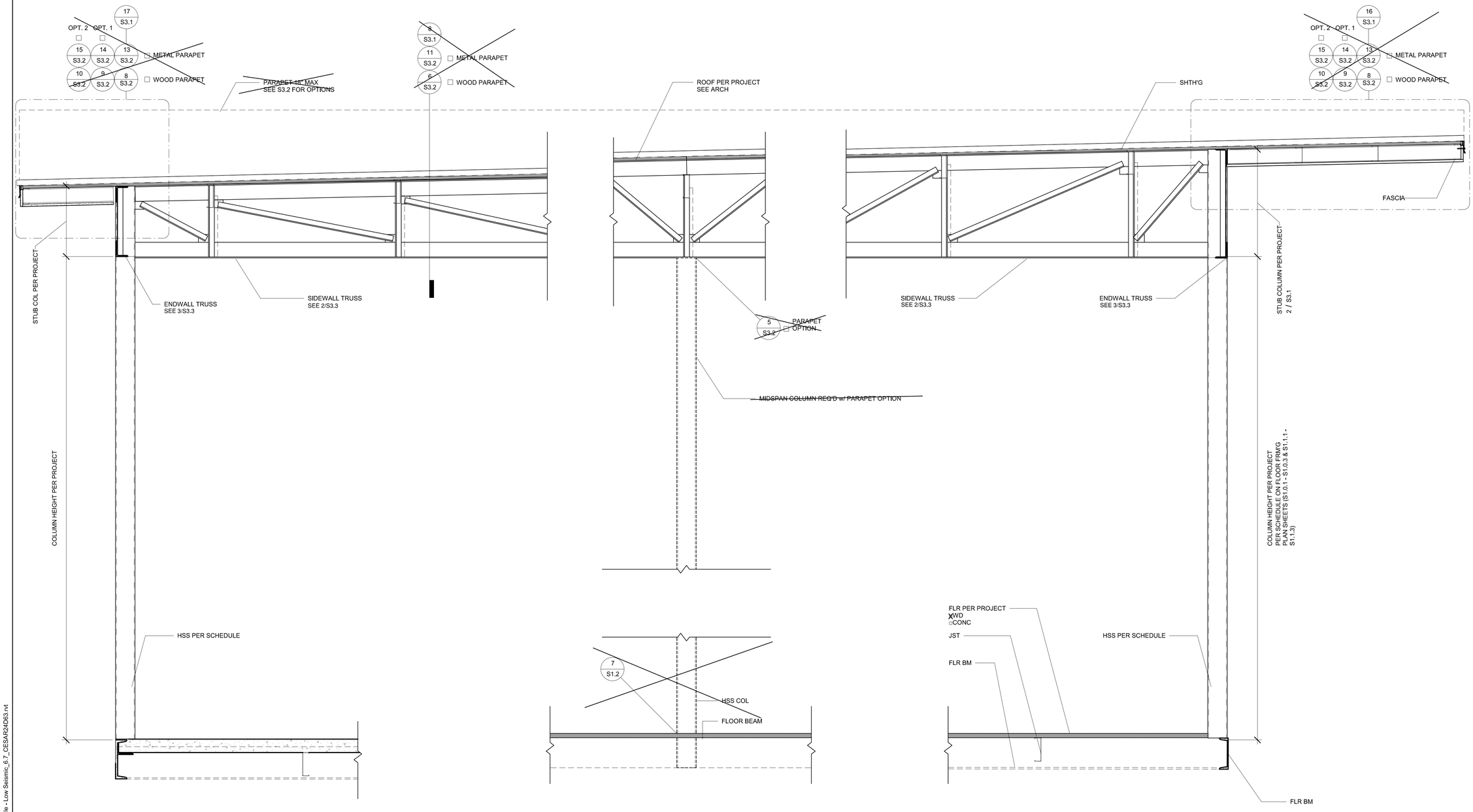
DRAWN BY rMc/SC

CHECKED BY RH/RT

DATE 06/07/2021

SHEET NO. S4.5

SHEET OF



1 ***1" = 1'-0"***
Structural Section (MONO)

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
3.31.2022
STRUCTURAL
STATE OF CALIFORNIA

6.7.2021

CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119408 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 08/05/2021

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2019 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2019 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
LONG. SECTION - (MONO)

PROJECT NUMBER
20093

DRAWN BY
rMc/SC

CHECKED BY
RH/RT

DATE
06/07/2021

SHEET NO.
S5.0

SHEET OF

HARDWARE SCHEDULE

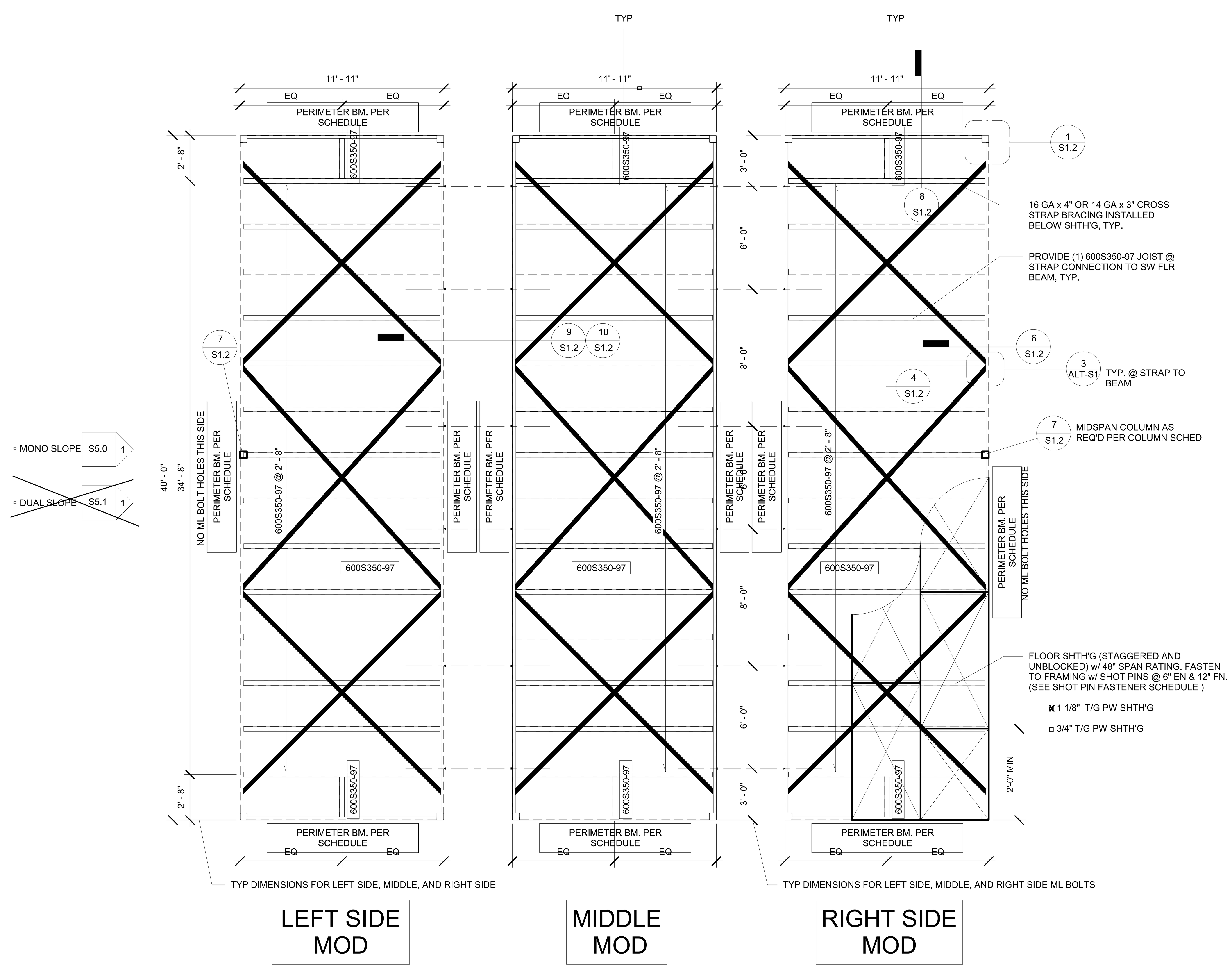
NOTE: HARDWARE SETS ARE TO BE AS SHOWN "OR EQUAL"

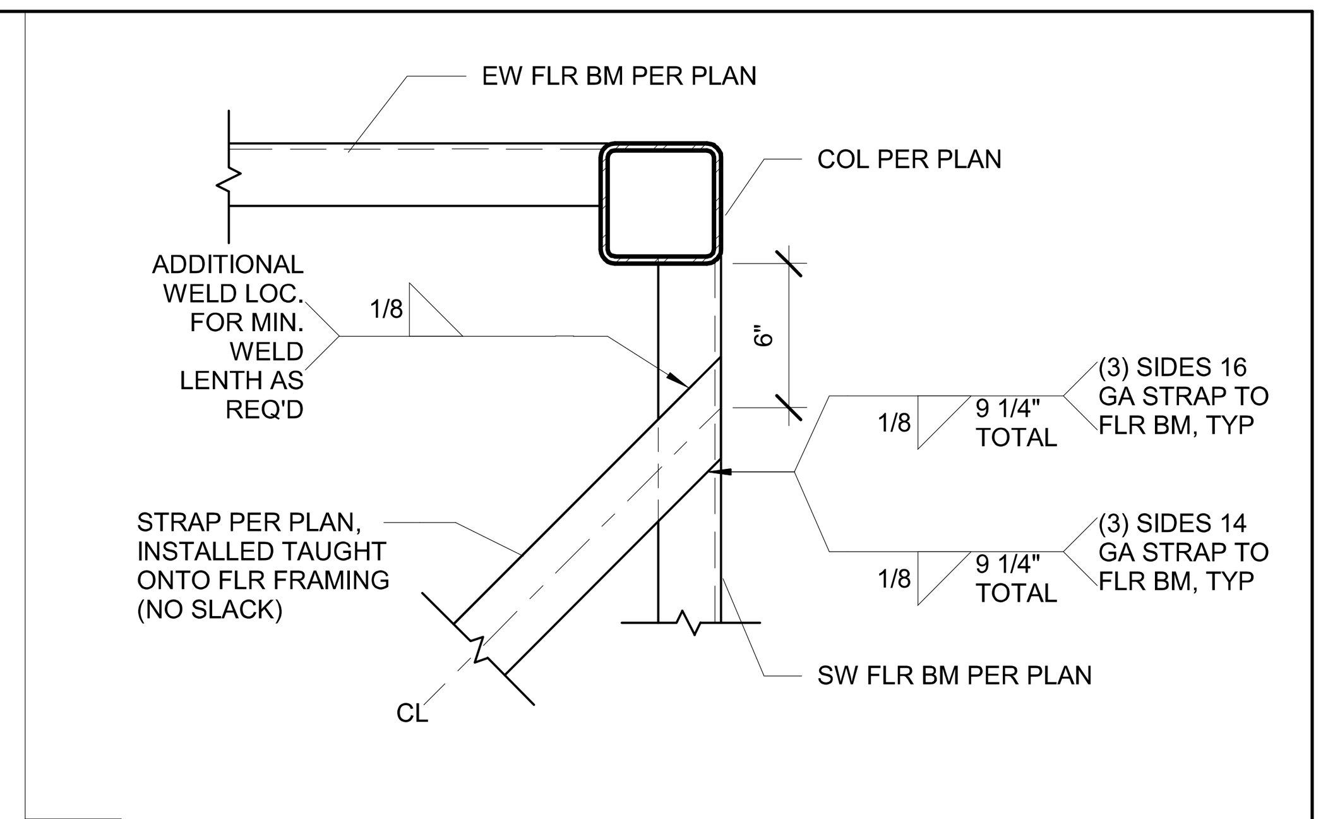
CLASSROOM - EXTERIOR DOOR HW-1

LOCKSET	SCHLAGE ND75PDRHO626 (cylindrical)	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	or equal
CLOSER	NORTON 8501 BFDA	or equal
WEATHER STRIP	HAGER 891SAV 3684	or equal
THRESHOLD	HAGER 413SA 36	or equal
DOOR BOTTOM	HAGER 783SAV 35N	or equal

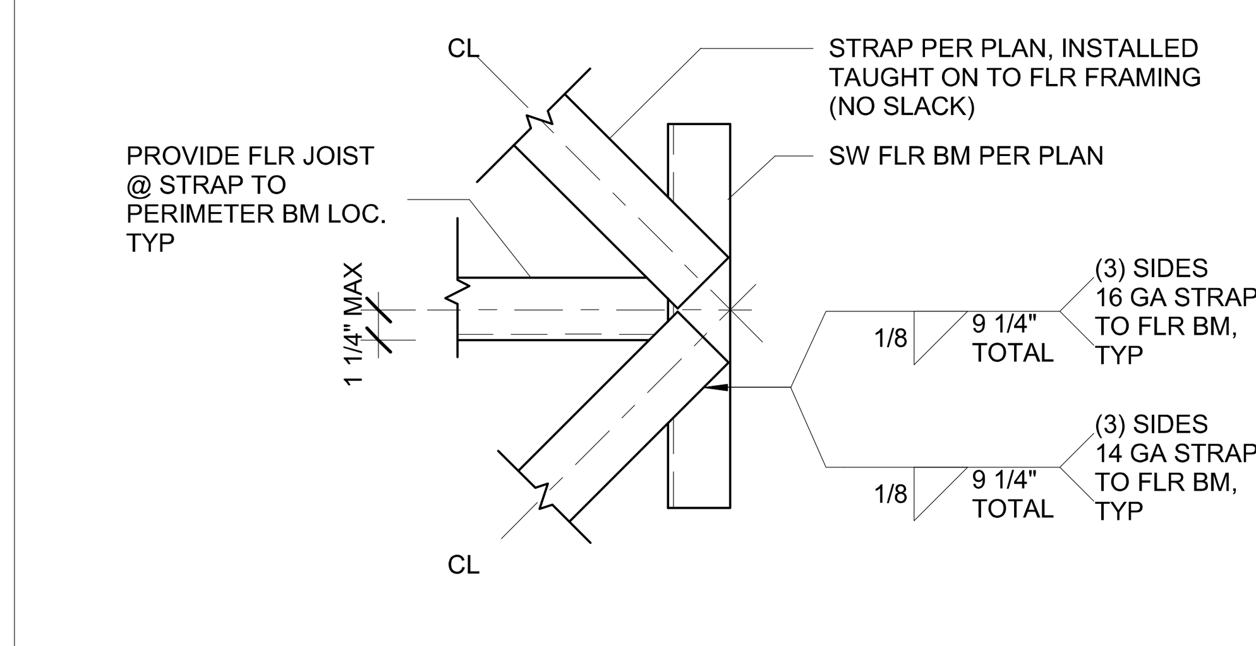
EXT CLASSROOM DOORS W/ PANIC — EXTERIOR DOOR HW-2

LOCKSET	SCHLAGE RIM CYLINDER 20022 C123 626 1-BITTED	Finish Alum or equal
EXIT DEVICE	VON DUPRIN AX -PA 99L-2 626	Finish 26D or equal
BUTTS	TAH FB179 4.5 X 4.5 NRP 626	Finish 689 or equal
CLOSER	NORTON 8501DA 689	Finish Alum or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum or equal
THRESHOLD	HAGER 413SA 36	Finish Alum or equal
DOOR BOTTOM	PEMCO 315CN 36	

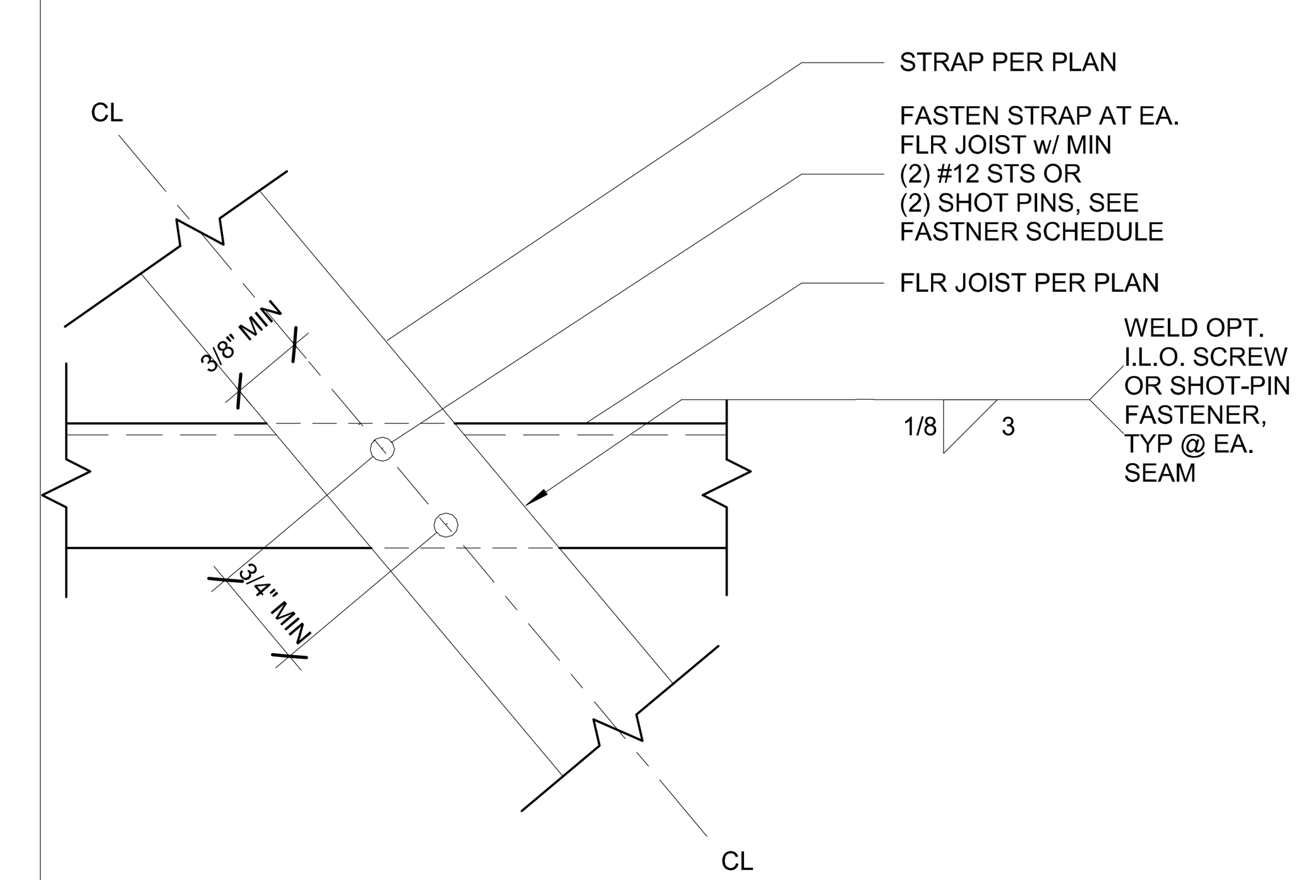




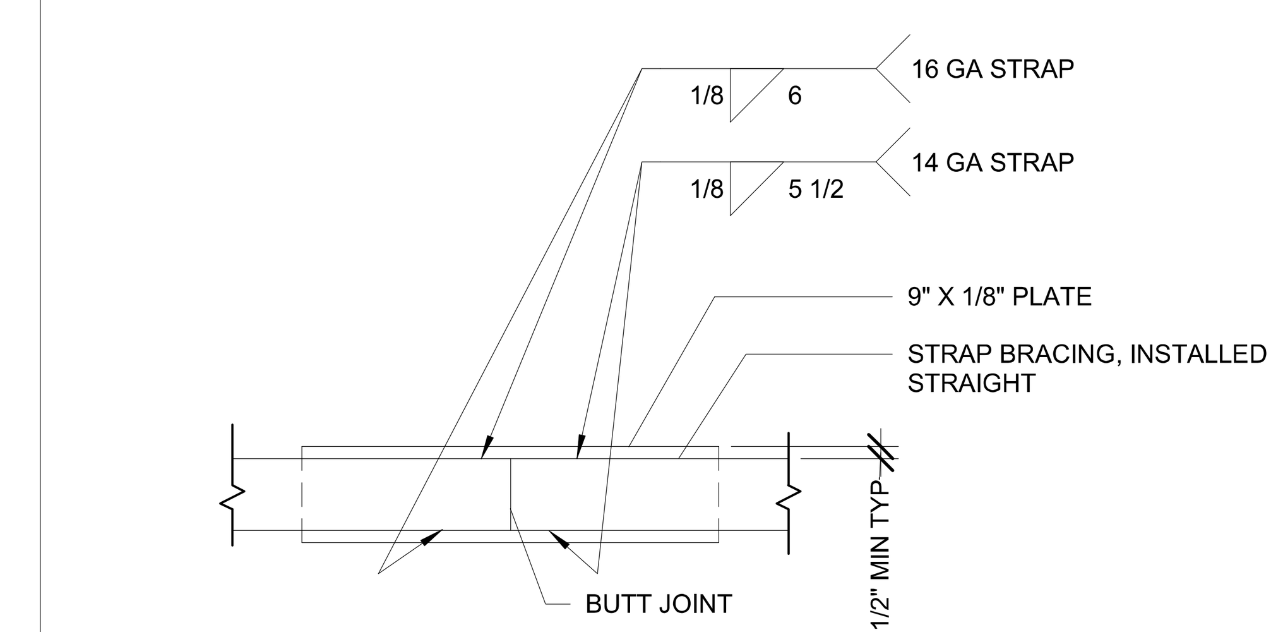
2 *1 1/2" = 1'-0"*
FLOOR BRACING STRAP @ ENDWALL



3 *1 1/2" = 1'-0"*
FLOOR STRAP BRACING @ SIDEWALL



4 *3" = 1'-0"*
STRAP TO JOIST CONNECTION



5 *1 1/2" = 1'-0"*
STRAP SPLICE DETAIL

NOTE: ALL PANEL EDGES SHLL BE ATTACHED TO FRAMING MEMBERS OR BLOCKING. WHERE USED AS BLOCKING, FLAT STRAPPING SHALL BE A MINIMUM THICKNESS OF 33MILS WITH A MINIMUM WIDTH OF 1.5 INCHES AND SHALL BE EITHER INSTALLED ON TOP OF OR BELOW SHEATHING. FOR OTHER THAN STEEL SHEATHING, THE SCREWS SHALL BE INSTALLED THROUGH THE SHEATHING TO THE BLOCKING.

Shot Pin Fastener Schedule Options

Shot Pin Name	LOCATION
☐ ICC ESR 2138 SIMPSON STRONGTIE PDP	AT STEEL PERIMETER
☐ ET&F SHOT PIN FASTNERS, AKN-144 SERIES (IAPMO ER-335)	AT COLD-FORMED STEEL JOISTS
☒ JAACO SHOT PIN FASTNERS, NP145S SERIES (ICC ESR 2961)	AT COLD-FORMED STEEL JOISTS

Floor Joist Schedule

FLL	JOIST	SPACING
☒ 50+15 PSF	600S350-97	32" O.C.
☐ 100 PSF	600S350-97	24" O.C.
☐ 150 PSF	600S350-97	16" O.C.

Perimeter Floor Beam Schedule

HT	No Plaster Walls	Plaster Walls	w/ Parapet, 18" max
☒ 9'	C10x15.3	C10x15.3	C10x15.3
☐ 10'	C10x15.3	C10x15.3	C10x15.3

NOTE: SPLICE AT FLOOR BEAM PERMITTED PER 3/S1.2

Column Schedule

HT	No Plaster Walls	Plaster Walls	w/ Parapet, 18" max
☒ 9'	5x5x1/4	5x5x1/4	6x6X1/4
☐ 10'	5x5x1/4	5x5x5/16*	6x6X1/4
			3x3X3/16 mid-span column

* Alternative 6x6x1/4

1 *1/4" = 1'-0"*
WD Shth'g Flr Framing Plan (50+15 PSF) CROSS-STRAP OPT.

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN • CONSULTING • PROJECT
11590 W. BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
MANNY D. FRANCH
S3385
Exp. 03/31/24
STRUCTURAL
STATE OF CALIFORNIA
RST #22095
8/5/2022

CLIENT

Class Leasing
1651 S. Juanita Street, San Jacinto, CA 92583
VOICE (951) 943-1908 FAX (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

REVISIONS

#	Description	BY

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

PROJECT TITLE
~~PC 2019 CBC~~:24' x 40' EXPANDABLE TO 120' x 40'

LE GRAND HS - CCD_001

SHEET TITLE
WD SHTH'G FLR FRAMING PLAN CROSS-STRAP OPT.

PROJECT NUMBER
22095

DRAWN BY
Author

CHECKED BY
Checker

DATE
06/07/2021

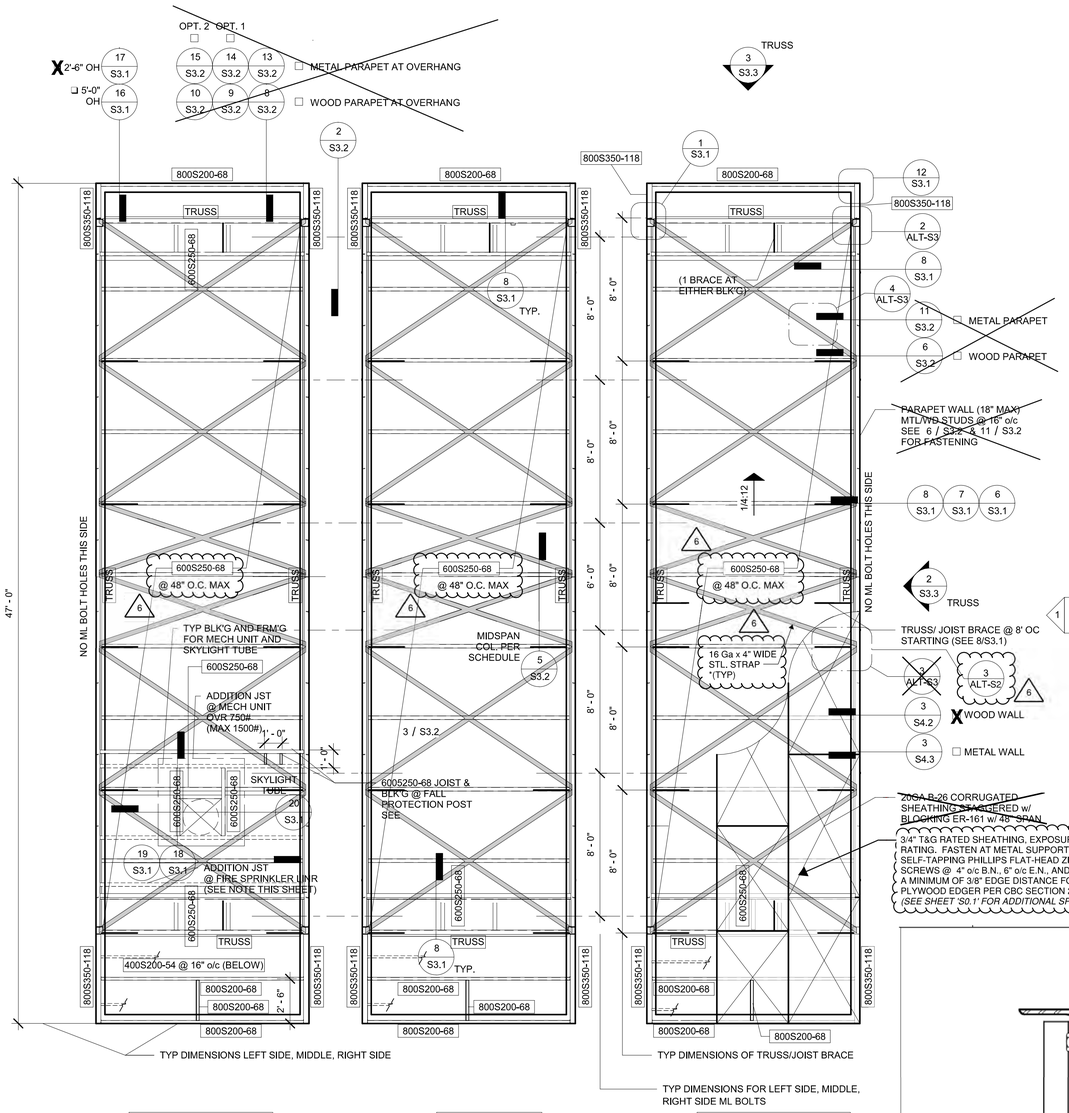
SHEET NO.
ALT-S1

SHEET OF SHEETS

C:\Users\User\Documents\RST#22095 - SOURCE 22073- 2022.08.05 - Class Leasing, Le Grand HS - ALT S1_michael433S6.rvt
8/31/2022 12:39:18 PM

APPROVED
DIV. OF THE STATE ARCHITECT
APP. 04-122182 INC:
REVIEWED FOR
SS ☑ FLS ☐ ACS ☐
DATE: 03/06/2024

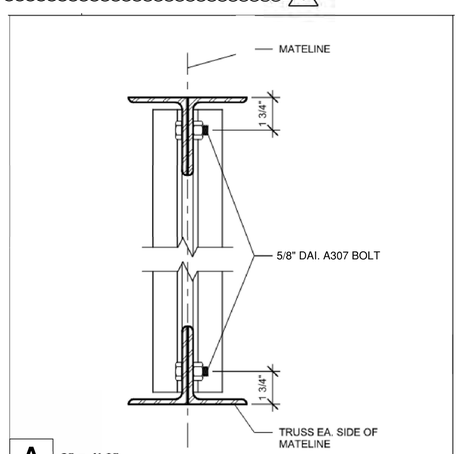
REGISTERED PROFESSIONAL ENGINEER
JAMMY D. FONG
No. S3383
Exp. 03/31/24
STRUCTURAL
STATE OF CALIFORNIA
02/21/24



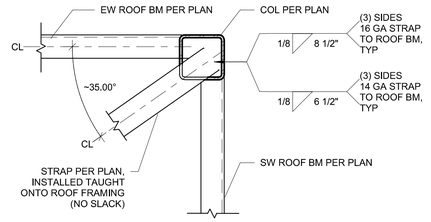
NOTES:

FIRE SPRINKLER
ADDITIONAL ROOF JOIST FOR FIRE SPRINKLER LINE AS REQ'D
LOCATION OF FIRE SPRINKLER AND ADDITIONAL JOIST TO BE DETERMINED

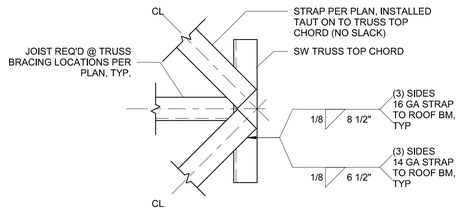
1 *1/4" = 1'-0"*
Mono Roof Framing Plan



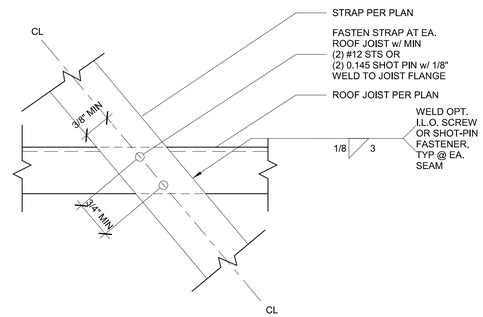
A *3" = 1'-0"*
TRUSS CONN. @ MATELINE



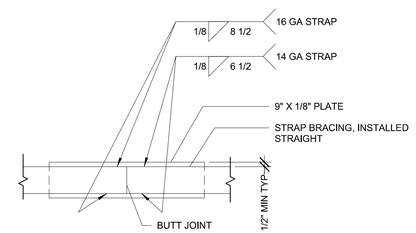
2 *1 1/2" = 1'-0"*
ROOF BRACING STRAP @ ENDWALL



3 *1 1/2" = 1'-0"*
ROOF STRAP BRACING @ SIDEWALL



4 *3" = 1'-0"*
STRAP TO JOIST CONNECTION (ROOF)



5 *1 1/2" = 1'-0"*
STRAP SPLICE DETAIL (ROOF)

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

R&S TAVARES ASSOCIATES
DESIGN ★ CONSULTING ★ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
JAMMY D. FONG
No. S3383
Exp. 03/31/24
STRUCTURAL
STATE OF CALIFORNIA
OCT 4 2019
6/9/2022

CLIENT

Class Leasing
1651 S. Juanita Street, San Jacinto, CA 92583
VOICE (951) 943-1908 FAX (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

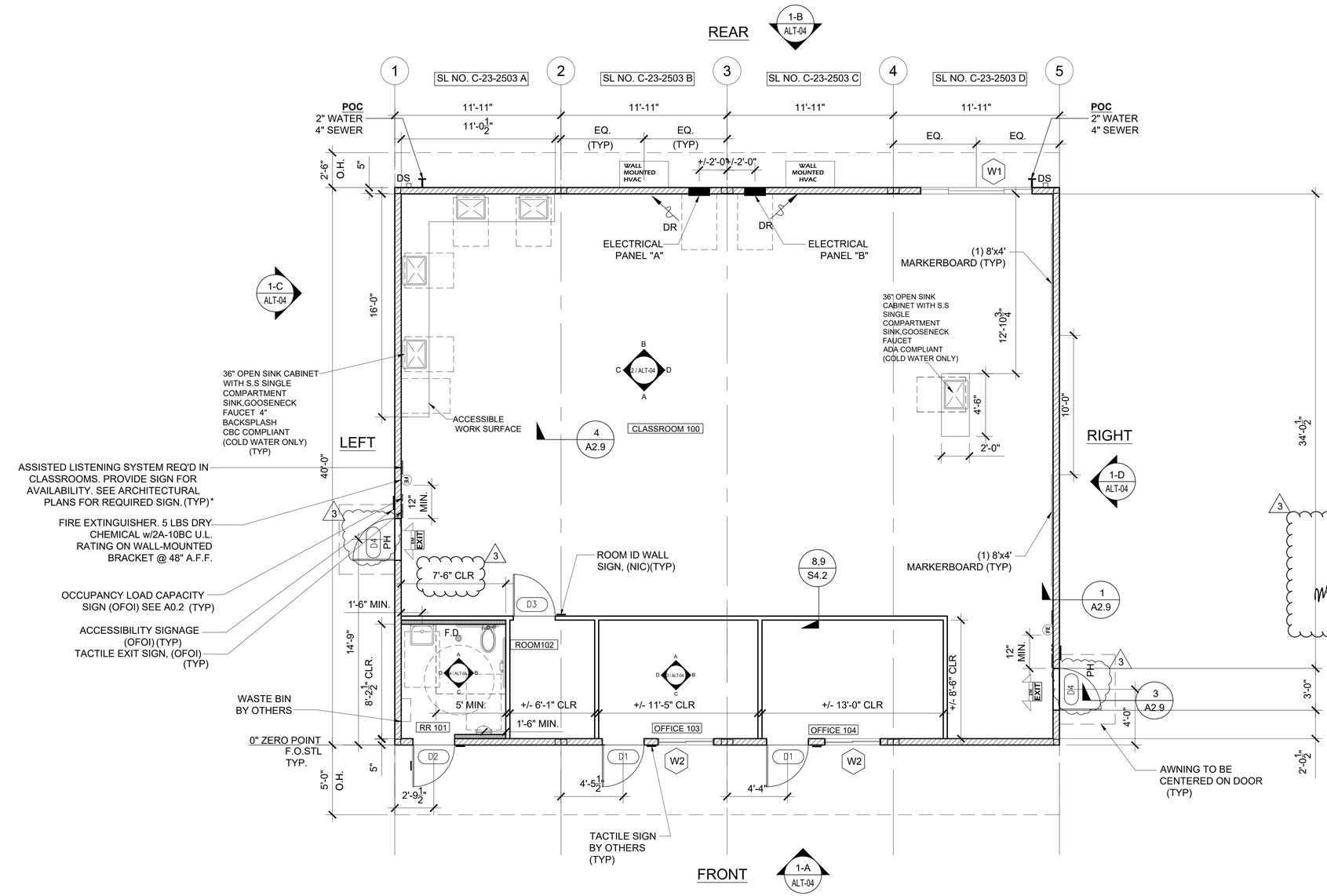
Revision Schedule

#	Description	Date
1	CCD_001 CUSTOM BUILT	5-30-23
2	CCD_002 CUSTOM BUILT	10-30-23
3	CCD_003 CUSTOM BUILT	11-14-23
4	CCD_004 CUSTOM BUILT	12-04-23
5	CCD_005 CUSTOM BUILT	
6	CCD_006 CUSTOM BUILT	03-05-24

SHEET TITLE
MONO SLOPE ROOF FRM'G PLAN

PROJECT NUMBER 22019
DRAWN BY rMc/SC
CHECKED BY JA/RT
DATE 06/07/2021
SHEET NO. ALT-S2
SHEET OF

REVISIONS	BY
1	
2	
3	
4	
5	
6	
7	
8	



WALL LEGEND

- 2X6 EXTERIOR WALL
- 2X4 INTERIOR CHASE WALL
- 2X4 INTERIOR WALL (FULL HEIGHT)

DETAIL LEGEND

- W1 — WINDOW REFERENCE - SEE ALT D1
- W2 — WINDOW REFERENCE - SEE ALT D1
- X (3) — REVISION DELTA TAG
- D1 — DOOR REFERENCE - SEE ALT -D1
- D2 — DOOR REFERENCE - SEE ALT -D1
- D3 — DOOR REFERENCE - SEE ALT -D1

Class L Leasing
1651 S. Juanita St. San Jacinto, CA 92583-5003
VOICE (951)943-1908 FAX (951)943-5768

ENGINEER

AOR

MERCED-LOS BANOS

SHEET TITLE:
FLOOR PLAN
(1) 48X40

DATE: 05-07-24

DRAWN BY: VICTOR L.

SCALE: AS SHOWN

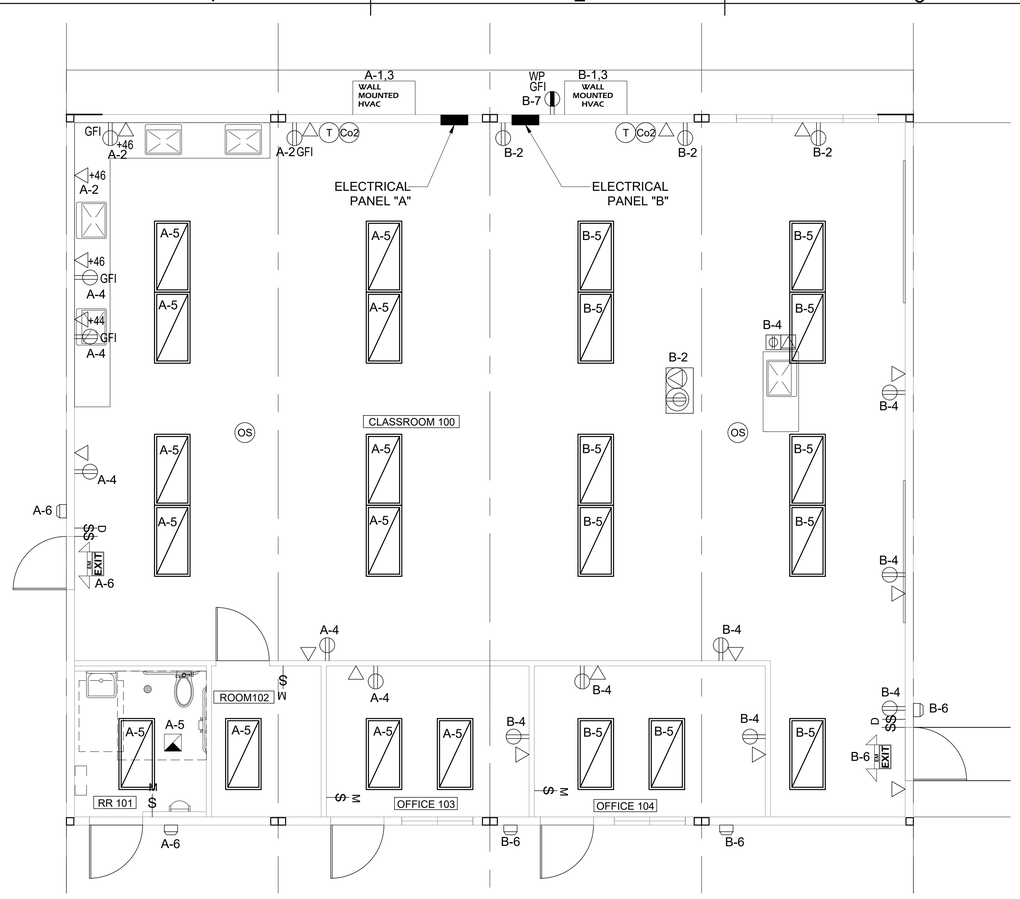
JOB: -

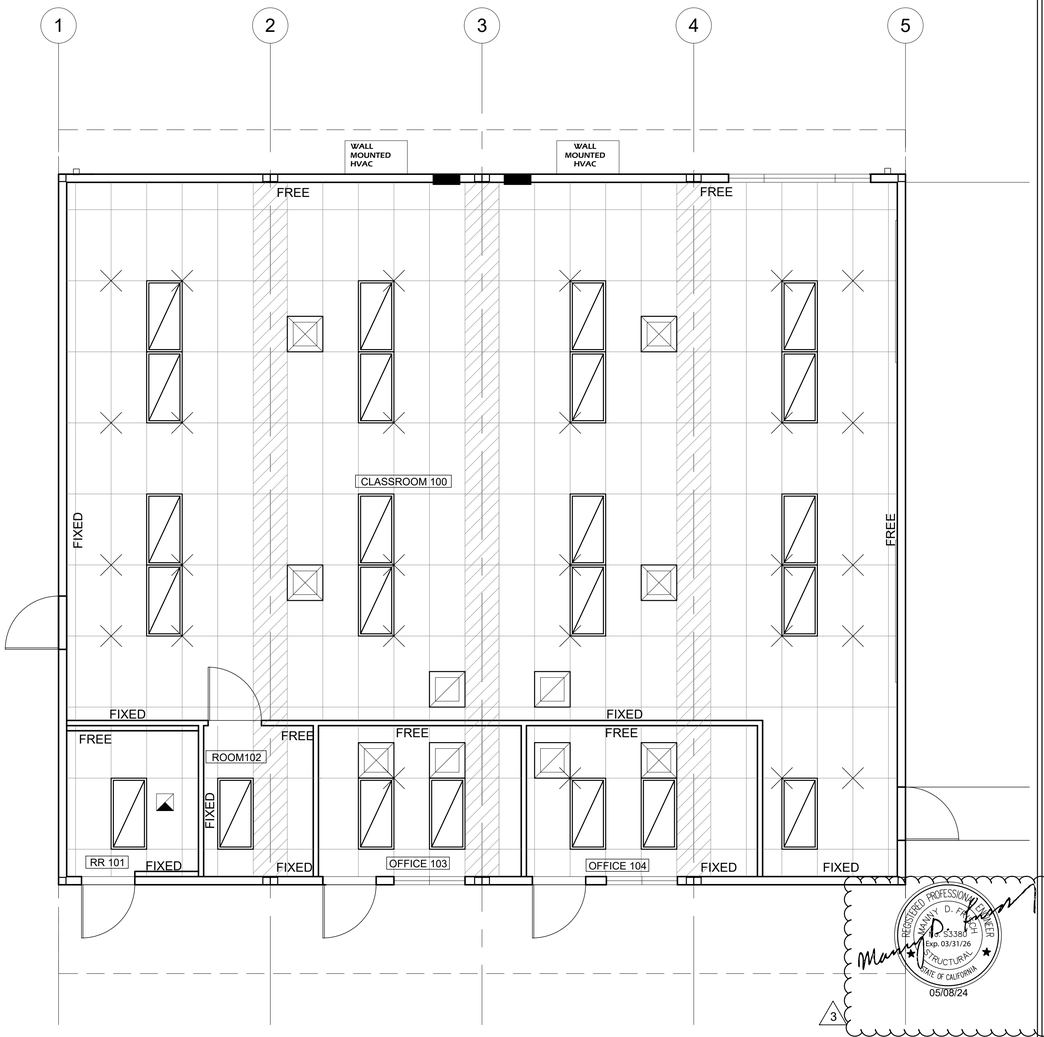
SHEET NO:
ALT-01

REF.: DSA A# -

FLOOR PLAN

SCALE: 1/4" = 1'-0"





PANEL: A	PHASE:			VOLTS:		BUSS:			MAIN:						LOCATION:		FEED:				MOUNTING:
S/ N:	SINGLE			120/ 240		.—			100 AMP						INTERIOR		REAR				RECEEDED
OBJECT DESCRIPTION	WATTS PER	NO. OF	LCL	WATTS A	WATTS B	BRK	POLE	WIRE SIZE	CKT NO	LEG A	LEG B	CKT NO	WIRE SIZE		POLE	BRK	WATTS A	WATTS B	LCL	NO OF	WATTS PER	OBJECT DESCRIPTION
4 TON HVAC	5428	1	x	5428		60	2	#6	1	X		2	#12		1	20	540		x	3	180	RECEPTS
4 TON HVAC	5428	/	x		5428	/	/	#6	3		X	4	#12		1	20		720	x	4	180	RECEPTS/ CLOCK
LIGHTS/ FAN	48	13	x	624		20	1	#12	5	X		6	#12		1	20	540		x	3	180	EXIT/ EXTERIOR LIGHT
					0				7		X	8						0	x			
				0					9	X		10					0		x			
					0				11		X	12						0				
	LEG TOTALS			6052	5428												1080	720	LEG TOTALS		
LCL=3320+13280=16600																					
TOTAL WATTS=16600									LEG BALANCE = 7.4%										TOTAL AMPS: 69.17		

PANEL: B	PHASE:			VOLTS:		BUSS:			MAIN:						LOCATION:		FEED:				MOUNTING:
S/ N:	SINGLE			120/ 240		.—			100 AMP						INTERIOR		REAR				RECEEDED
OBJECT DESCRIPTION	WATTS PER	NO. OF	LCL	WATTS A	WATTS B	BRK	POLE	WIRE SIZE	CKT NO	LEG A	LEG B	CKT NO	WIRE SIZE		POLE	BRK	WATTS A	WATTS B	LCL	NO OF	WATTS PER	OBJECT DESCRIPTION
4 TON HVAC	5428	1	x	5428		60	2	#6	1	X		2	#12		1	20	540		x	3	180	RECEPTS
4 TON HVAC	5428	/	x		5428	/	/	#6	3		X	4	#12		1	20		1440	x	8	180	RECEPTS-GFI
LIGHTS/ FAN	48	11	x	528		20	1	#12	5	X		6	#12		1	20	540		x	3	180	EXIT/ EXTERIOR LIGHT
EXTERIOR RECEPTS GFI	180	1	x		180	20	1	#6	7		X	8						0				
			x	0				#12	9	X		10					0					
					0				11		X	12						0				
	LEG TOTALS			5956	5608												1080	1440	LEG TOTALS		
LCL=3521+14084=17605																					
TOTAL WATTS=17605									LEG BALANCE = 0.1%										TOTAL AMPS: 73.35		

ELECTRICAL LEGEND

- 2X4 LED CEILING LIGHT WITH DIMMABLE BALLAST
- DUPLEX OUTLET AT 18" AFF TO CENTERLINE OF BOX U.N.O.
- 4SD JBOX FOR FUTURE DATA - 3/4" CO STUB INTO ATTIC WITH PULLSTRING 18"AFF TO CENTERLINE OF BOX U.N.O
- WP — EXTERIOR WEATHER PROOF GFCI RECEPTACLE AT 24" AFF FOR A/C SERVICES (MAX 25'-0" FROM HVAC UNITS)
- EXIT SIGN WITH BATTERY BACK UP. EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS. BUG EYE EMERGENCY LIGHT WITH 90-MINUTE BACK UP BATTERY SHALL BE WIRED IN SUCH A MANNER THAT THE BATTERY WILL BE ACTIVATED IMMEDIATELY UPON LOSS OF POWER TO THE FIXTURE.
- OS — CEILING MOUNTED OCCUPANCY SENSOR.
- 3 — EXTERIOR LIGHT FIXTURE WITH INTEGRAL PHOTOCELL. MOUNT AT +60" AFF 90-MINUTE BACK UP BATTERY SHALL BE WIRED IN SUCH A MANNER THAT THE BATTERY WILL BE ACTIVATED IMMEDIATELY UPON LOSS OF POWER TO THE FIXTURE.
- $D — DIMMER LIGHT SWITCH. MOUNT AT 48" A.F.F. TO CENTERLINE OF DEVICE
- $ — LIGHT SWITCH. MOUNT AT 48" A.F.F. TO CENTERLINE OF DEVICE
- CEILING MOUNT DUPLEX OUTLET AND 4SD JBOX DATA
- ELECTRICAL PANEL - +60" (MAX) TO TOP OF PANEL
- FLOOR MOUNT COMBO DUPLEX OUTLET AND 4SD JBOX DATA

DETAIL LEGEND

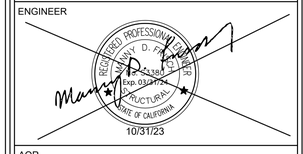
- 2X4 CEILING LIGHT, LED LAY IN LIGHT FIXTURE
- SUPPLY REGISTER WITH INTEGRAL DAMPER
- MR — MAIN RUNNERS
- RETURN REGISTER
- SPLAY WIRE / STRUT TIE
- T-GRID CLG

APPROVED
DIV. OF THE STATE ARCHITECT
IDENTIFICATION STAMP
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

REVISIONS	BY
1	
2	
3	
4	
5	
6	
7	
8	

Class Leasing
1651 S. Juanita St. San Jacinto, CA 92583-5003
VOICE (951)943-1908 FAX (951)943-5768

ENGINEER



10/31/23

AOR

05/08/24

3

APPROVED
DIV. OF THE STATE ARCHITECT
APP. 04-122182 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/21/2024

MERCED-LOS BANOS

SHEET TITLE:
ELECTRICAL PLAN
REFLECTIVE CEILING PLAN
(1) 48X40

DATE: 05-07-24

DRAWN BY: VICTOR L.

SCALE: AS SHOWN

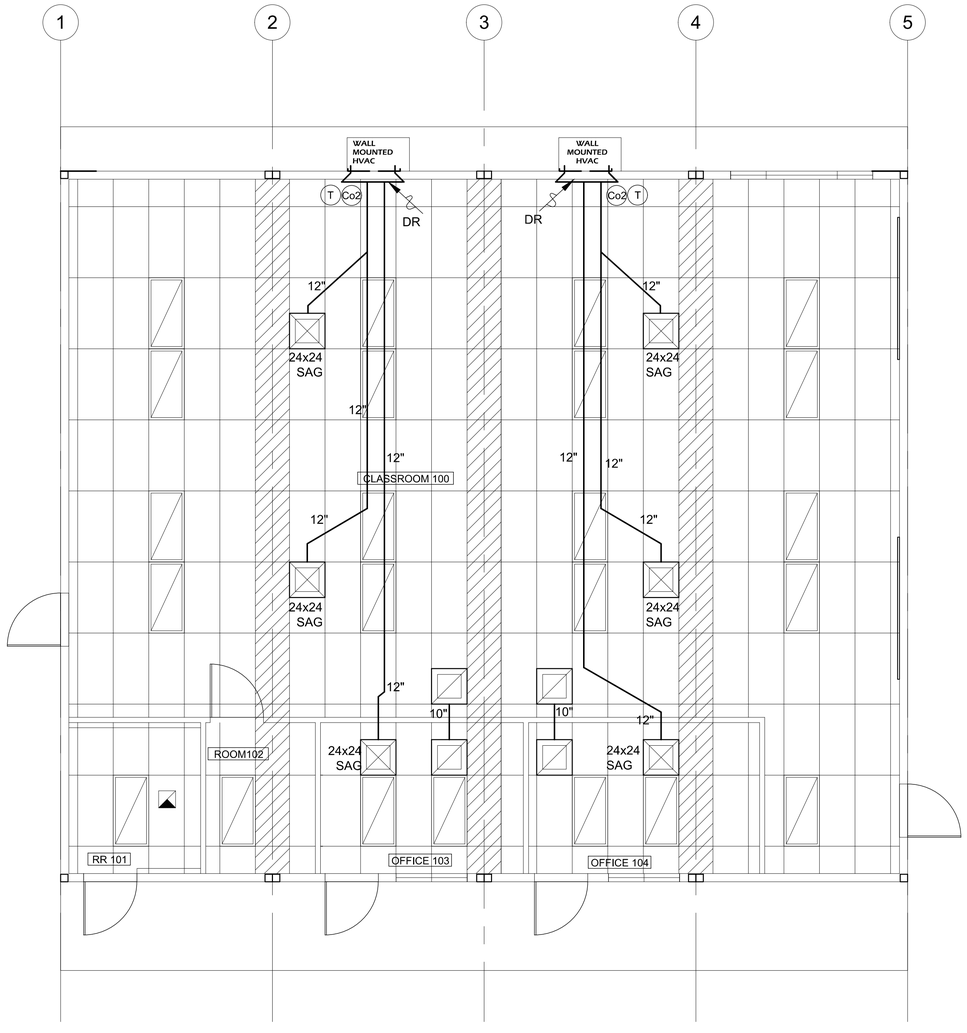
JOB:

SHEET NO:
ALT-02

REF.: DSA A# -

ELECTRICAL PLAN — SCALE: 1/4" = 1'-0" — 1

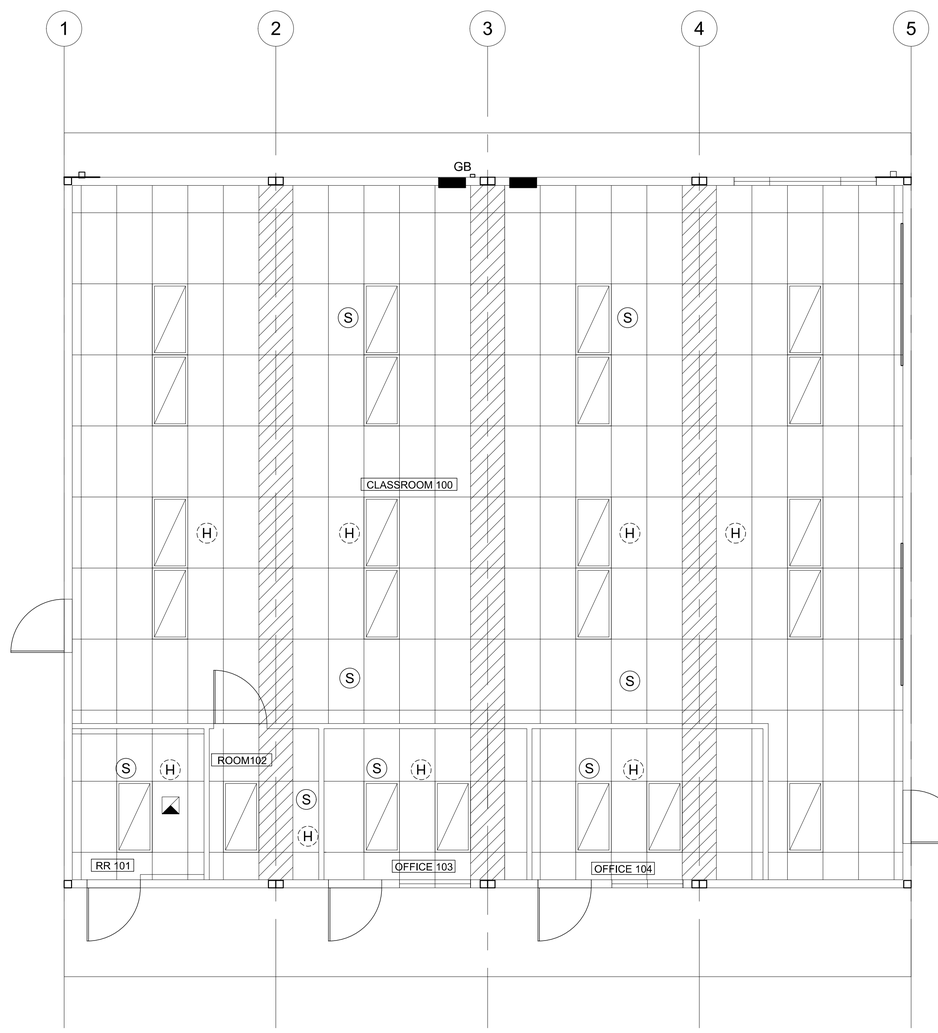
REFLECTIVE CEILING PLAN — SCALE: 1/4" = 1'-0" — 2



MECHANICAL LEGEND

12"	SUPPLY DUCT	T	THERMOSTAT
	RETURN DUCT	CO2	CARBON DIOXIDE
	SUPPLY REGISTER WITH INTEGRAL DAMPER	UC	UNDERCUT DOOR
	RETURN REGISTER	DR	DIRECT AIR WALL RETURN

REF.: DSA A# - } MECHANICAL PLAN SCALE: 3/16" = 1'-0" 1



FIRE ALARM LEGEND

GB	RECESSED 4SD J-BOX W / COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULLSTRING
H	HEAT DETECTOR 4-SD J-BOX ONLY WITH 3/4" CONDUIT - ROUTED TO GUTTER BOX AT REAR OF BUILDING
S	SMOKE DETECTOR 4-SD J-BOX ONLY - IN CEILING WITH 3/4" CONDUIT - ROUTED TO GUTTER BOX AT REAR OF BUILDING
H	4SD J-BOX SINGLE GANG MUD RING FOR EXTERIOR FIRE ALARM HORN (DEVICE BY OTHERS). MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT - ROUTED TO GUTTER BOX AT REAR OF BUILDING
	4SD J-BOX / SINGLE GANG MUD RING FOR FIRE ALARM STROBE/HORN (DEVICE BY OTHERS). MOUNT AT +80" AFF TO BOTTOM OF DEVICE WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULLSTRING - ROUTED TO GUTTER BOX AT REAR OF BUILDING
	4SD J-BOX / SINGLE GANG MUD RING FOR FIRE ALARM PULLSTATION (DEVICE BY OTHERS). MOUNT AT +45" AFF TO PULL HANDLE OF DEVICE WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULLSTRING - ROUTED TO GUTTER BOX AT REAR OF BUILDING

REF.: DSA A# - } FIRE PLAN SCALE: 3/16" = 1'-0" 2

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

REVISIONS	BY
1	
2	
3	
4	
5	
6	
7	
8	

Class Leasing
1651 S. Juanita St. San Jacinto, CA 92583-5003
VOICE (951)943-1908 FAX (951)943-5768

ENGINEER

REGISTERED PROFESSIONAL ENGINEER
MANNY D. PEREZ
No. 53380
Exp. 03/31/24
STRUCTURAL
STATE OF CALIFORNIA
10/31/23

AOR

2

1 CCD_001 CUSTOM BUILT 5-30-23
2 CCD_002 CUSTOM BUILT 10-30-23

SHEET TITLE:
MECHANICAL PLAN
FIRE PLAN
(1) 48X40

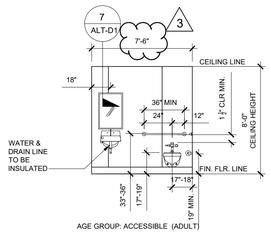
DATE: 10-6-23

DRAWN BY: VICTOR L.

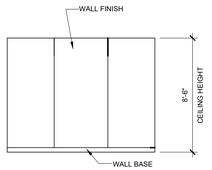
SCALE: AS SHOWN

JOB: -

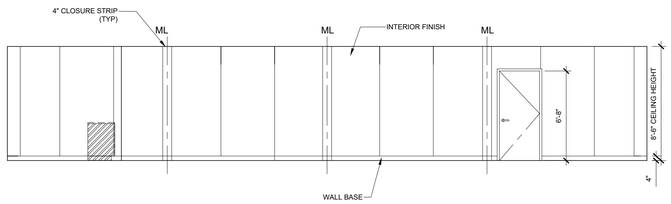
SHEET NO: ALT-03 2



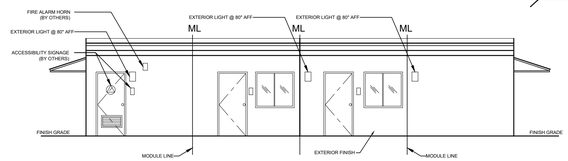
A



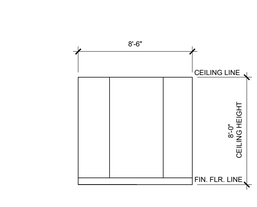
A



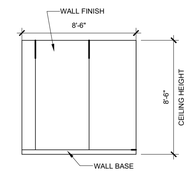
A



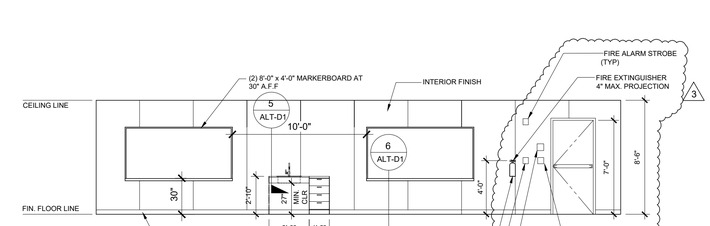
A



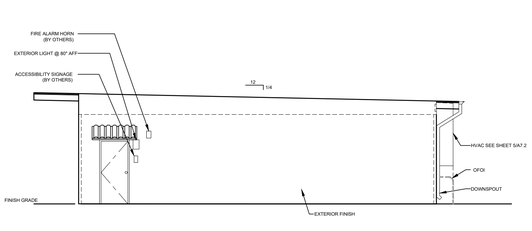
B



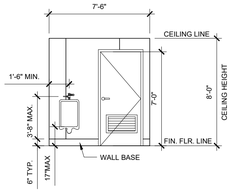
B



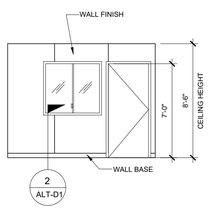
B



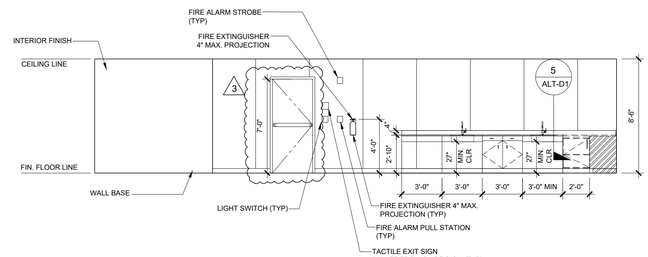
B



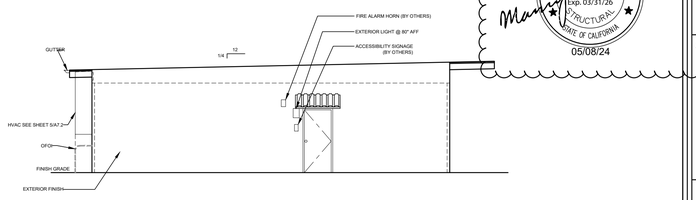
C



C



C



C

D

D

D

D

RESTROOM SCALE: 3/16" = 1'-0" 4

OFFICE SCALE: 3/16" = 1'-0" 3

INTERIOR ELEVATIONS SCALE: 3/16" = 1'-0" 2

REF.: DSA A# - } EXTERIOR ELEVATIONS SCALE: 1/8" = 1'-0" 1

APPROVED
DIV. OF THE STATE ARCHITECT
APP. 04-122182 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/21/2024

APPROVED
DIV. OF THE STATE ARCHITECT
IDENTIFICATION STAMP
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

REVISIONS	BY
1	
2	
3	
4	
5	
6	
7	
8	

Class CL Leasing
1651 S. Juanita St. San Jacinto, CA 92583-5003
VOICE (951)943-1908 FAX (951)943-5768

ENGINEER

REGISTERED PROFESSIONAL ENGINEER MANNY D. FONG No. S-5338 Exp. 03/31/24 STRUCTURAL STATE OF CALIFORNIA

10/31/23

ARCHITECT

REGISTERED PROFESSIONAL ENGINEER MANNY D. FONG No. S-5338 Exp. 03/31/26 STRUCTURAL STATE OF CALIFORNIA

05/08/24

MERCED-LOS BANOS

SHEET TITLE:
ELEVATIONS
INTERIOR / EXTERIOR
(1) 48x40

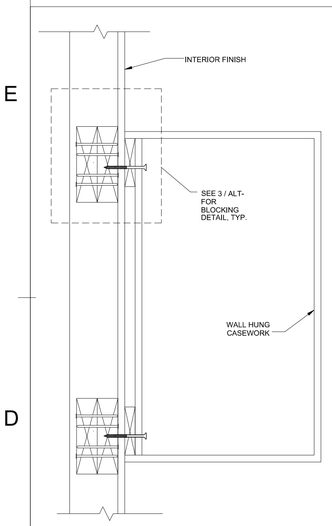
DATE: 05-07-24

DRAWN BY: VICTOR L.

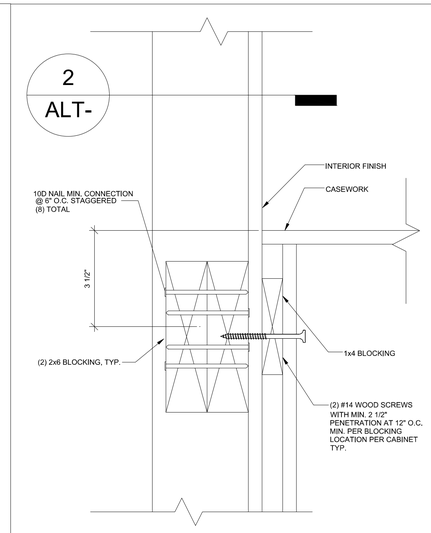
SCALE: AS SHOWN

JOB: -

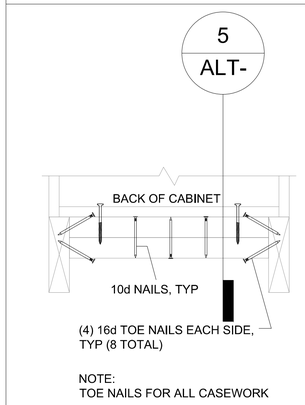
SHEET NO:
ALT-04



4 WALL HUNG ANCHORAGE CABINET AT WOOD STUD

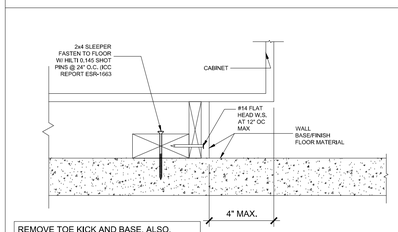


3 ATTACHMENT TO BLOCKING AT WOOD STUD



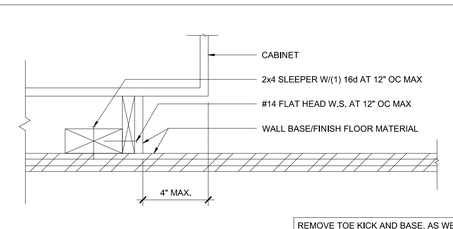
NOTE:
TOE NAILS FOR ALL CASEWORK

2 CASEWORK TOE NAIL PLAN



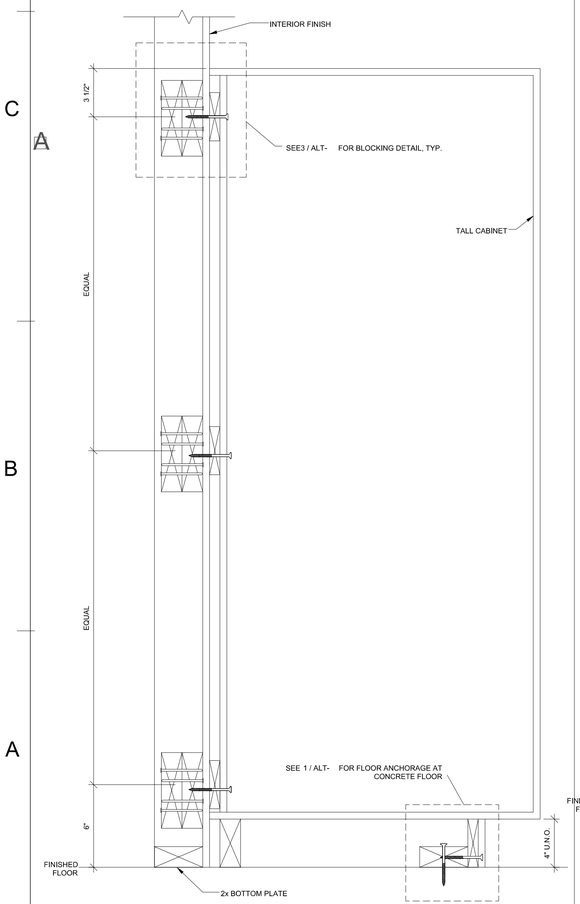
REMOVE TOE KICK AND BASE, ALSO, WHERE ACCESSIBILITY CONDITIONS APPLY, PROVIDE "U" SHAPED WIRE PULLS OR EQUAL

1 ATTACHMENT TO BLOCKING - CONCRETE FLOOR

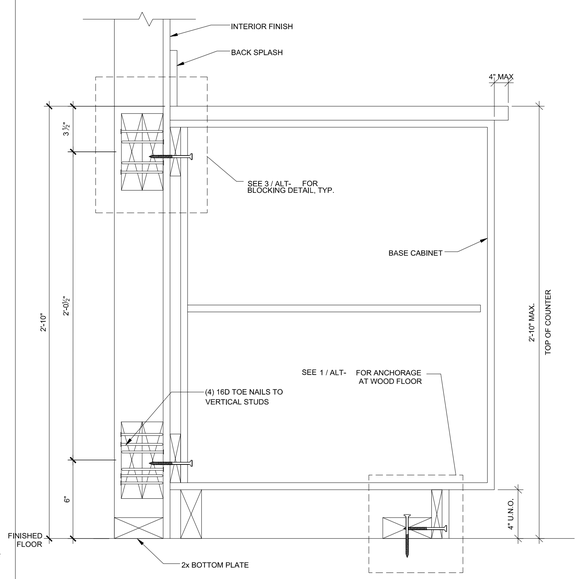


REMOVE TOE KICK AND BASE, AS WELL AS PROVIDE "U" SHAPED WIRE PULLS OR EQUAL WHERE ACCESSIBILITY CONDITIONS APPLY

ATTACHMENT TO BLOCKING - WOOD FLOOR SCALE : 3" = 1'-0" 6



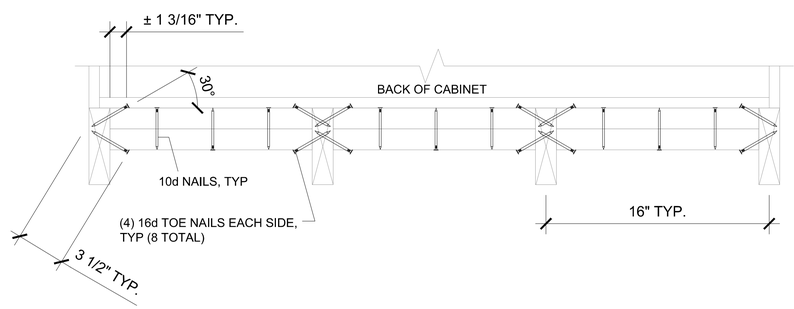
7 TALL CABINET WALL ANCHORAGE AT WOOD STUD



6 BASE CABINET WALL ANCHORAGE AT WOOD STUD

INSTALLATION PER NDS 2018 EDITION: (12.1.6.3)

-TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF APPROXIMATELY 30° WITH THE MEMBER AND STARTED APPROXIMATELY 1/3 THE LENGTH OF THE NAIL FROM THE MEMBER END



5 BLOCKING ATTACHMENT INSTALLATION GUIDE

CASEWORK BLOCKING DETAILS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

REVISIONS	BY
1	
2	
3	
4	
5	
6	
7	
8	

Class L Leasing
1651 S. Juanita St. San Jacinto, CA 92583-5003
VOICE (951)943-1908 FAX (951)943-5768

ENGINEER

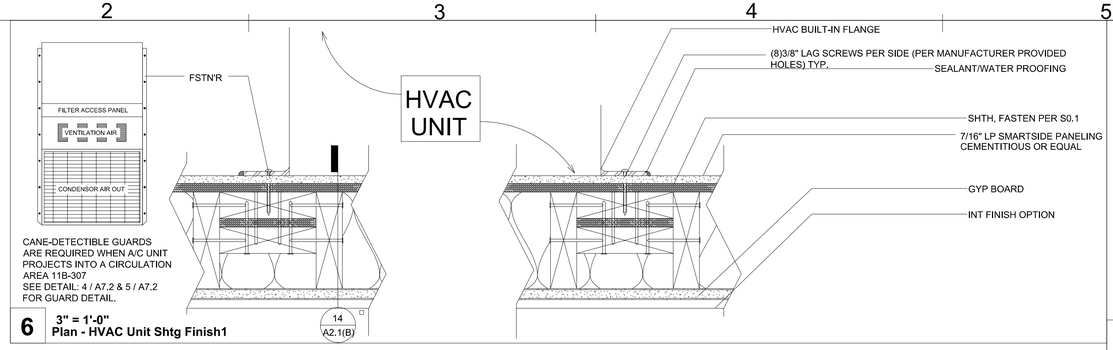
AOR

2

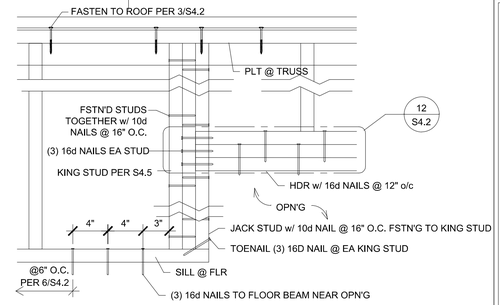
1 CCD_001 CUSTOM BUILT 5-30-23
2 CCD_002 CUSTOM BUILT 10-30-23

SHEET TITLE:
CASEWORK BLOCKING DETAILS

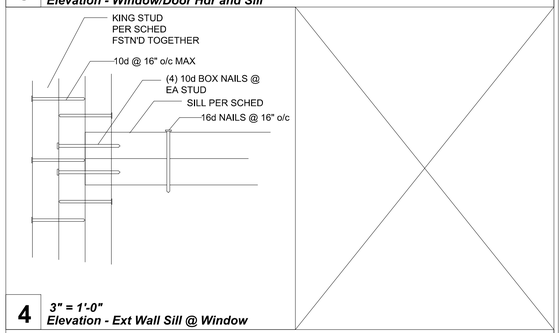
DATE: 01-12-23
DRAWN BY: VICTOR L.
SCALE: AS SHOWN
JOB:
SHEET NO: ALT-05 2



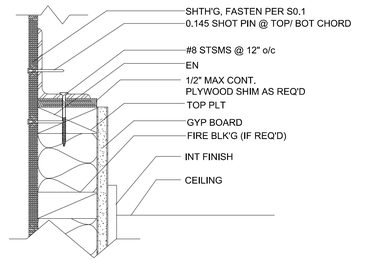
6 **3" = 1'-0"**
Plan - HVAC Unit Shtg Finish1



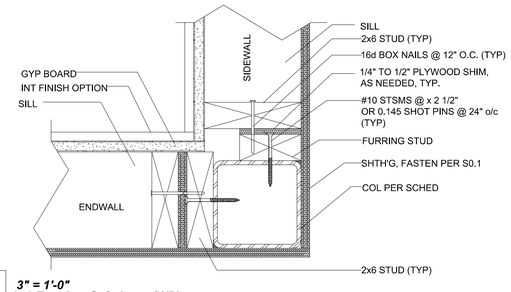
5 ***1 1/2" = 1'-0"***
Elevation - Window/Door Hdr and Sill



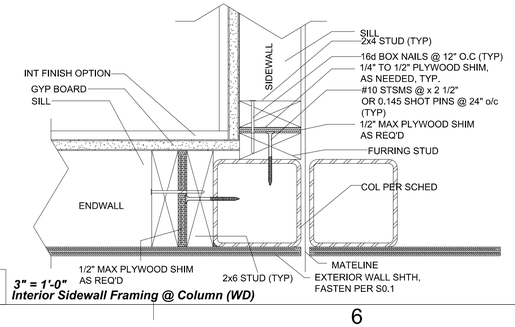
4 ***3" = 1'-0"***
Elevation - Ext Wall Sill @ Window



3 ***3" = 1'-0"***
Section - Exterior Wall Top Plate @ Truss (WD)



2 ***3" = 1'-0"***
2x6 Framing @ Column (WD)



1 ***3" = 1'-0"***
Interior Sidewall Framing @ Column (WD)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

REVISIONS	BY
1	
2	
3	
4	
5	
6	
7	
8	

Class Leasing
1651 S. Juanita St. San Jacinto, CA 92583-5003
VOICE (951)943-1908 FAX (951)943-5768

ENGINEER

10/31/23

AOR

2
1 CCD_001 CUSTOM BUILT 5-30-23
2 CCD_002 CUSTOM BUILT 10-30-23

SHEET TITLE:
STRUCTURAL DETAILS

DATE: 4-26-23

DRAWN BY: VICTOR L.

SCALE: AS SHOWN

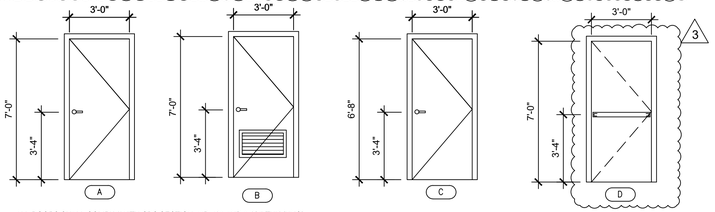
JOB:

SHEET NO: ALT-06 2

DOOR SCHEDULE

MARK	TYPE	WIDTH	HEIGHT	DOOR MATERIAL	FRAME TYPE	WALL THICKNESS	HARDWARE	FIRE RATING	QTY.
D1	A	3'-0"	7'-0"	18GA HOLLOW METAL	16 GA HOLLOW METAL KD	6"	HW1	20 MINUTE MIN.	
D2	B	3'-0"	7'-0"	18GA HOLLOW METAL	16 GA HOLLOW METAL KD	6"	HW2	20 MINUTE MIN.	
D3	C	3'-0"	6'-8"	SOLID CORE WOOD	16 GA HOLLOW METAL KD	4"	HW3		
D4	D	3'-0"	7'-0"	18GA HOLLOW METAL	16 GA HOLLOW METAL KD	6"	HW4	20 MINUTE MIN.	

3



3

1. ALL DOORS SHALL COMPLY WITH CBC SECTION 11B-404 AND 1-3/4" THK (UNO)
2. CENTER ALL DOOR LEVERS FOR ACCESS AND LOCKING @ 40" ABOVE FINISH FLOOR. ALL HARDWARE SHALL OPEN FROM THE INTERIOR AND NOT REQUIRE ANY SPECIFIC KNOWLEDGE OF THE HARDWARE OR REQUIRE ANY SPECIAL EFFORT FOR EGRESS. THE LEVER OF LEVER-ACTUATED LEVERS OR LOCKS SHALL BE CURVED WITH A RETURN TO WITHIN 1/2" OF THE FACE OF THE DOOR TO PREVENT CATCHING ON THE CLOTHING (ETC.) OF PERSONS DURING EGRESS. THE LEVER OF LEVER-ACTUATED LEVERS OR LOCKS SHALL EXTEND AT A MINIMUM OF ONE-HALF THE DOOR WIDTH.
3. PER CBC 1010.1.10 FOR ANY ROOM CONFIGURATION WHICH PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER SHALL NOT BE PROVIDED WITH A LATCH OR LOCK UNLESS IT IS PANIC HARDWARE OR FIRE EXIT HARDWARE AND COMPLY WITH ALL REQUIREMENTS OF SECTION 11B-309 OF THE CBC. ALL HARDWARE SHALL COMPLY WITH HARDWARE SCHEDULE THIS SHEET.
4. PER CBC 11B-309.4 THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS (22.2N) MAX.
5. PER CBC 11B-404.2.8.2 DOOR SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES. THE DOOR SHALL MOVE TO THE CLOSE POSITION IN 1.5 SECONDS MINIMUM. ALL CLOSER MUST COMPLY WITH CBC 11B-404.2.8.1 - DOOR CLOSER AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM.
6. THE MAXIMUM AREA OF EXTERIOR WALL OPENING PER CBC TABLE 705.8 AND THE FIRE PROTECTION FOR EXTERIOR WALL PER CBC TABLE 602. ALL FIRE PROTECTION BASED ON THE FIRE SEPARATION DISTANCE.
7. DOOR LOCATION MAY VARY BASED ON PROJECT REQUIREMENTS.
8. (PH) ON PLANS THE SHEET INDICATED REQUIRED PANIC HARDWARE.
9. PROVIDE EXIT SIGNS AS REQUIRED PER CBC SECTION 1013.4. SEE DETAILS PER A0.2
10. ALL EXIT DOORS SHALL BE OPENABLE FROM INSIDE W/O ANY USE OF SPECIAL TOOLS, KNOWLEDGE OR EFFORT.
11. FOR SCHOOL BUILDING WITH ROOM OF 5 OR MORE OCCUPANTS THE DOORS MUST BE LOCKABLE FROM THE INSIDE.

WINDOWS SCHEDULE

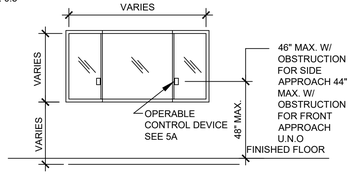
2

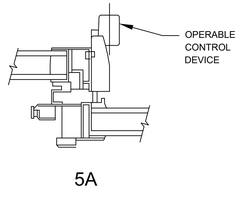
TYPE MARK	WIDTH X HEIGHT	FUNCTION	TYPE COMMENTS	GLAZING	WALL THICKNESS	QTY.	REMARKS	FIRE RATING
W1	8'-0" X 4'-0"	X0X	CLEAR ANODIZE	*DP	6"		TEMPERED	20 MINUTE MIN.
W2	4'-0" X 4'-0"	X0	CLEAR ANODIZE	*DP	6"		TEMPERED	20 MINUTE MIN.

OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT RQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PART SHALL BE 5 POUNDS (22.2N) MAXIMUM.

WINDOW LOCATION MAY VARY BASED ON PROJECT REQUIREMENTS.

WINDOW - 3/4" INSULATING GLASS UNIT PERFORMANCE
U-VALUE: 0.35
SHGC: 0.24
VT: 0.5





5A

FINISH SCHEDULE

1

		FLOORING		INTERIOR WALL FINISH	CEILING		EXTERIOR WALL FINISH	NOTES
BUILDING	ROOM	FLOOR	BASE	WALL FINISH TYPE	TYPE	HEIGHT	WALL FINISH TYPE	
STYLE 1	CLASSROOM 100	SV	4" TS	TACK	A	8'-6"	SIDING PANEL SHEATHING	
	RESTROOM 101	SV	6" SC	FRP	B	8'-0"		
	ROOM 102	SV	4" TS	TACK	A	8'-6"		
	OFFICE 103	CARP	4" TS	TACK	A	8'-6"		
	OFFICE 104	CARP	4" TS	TACK	A	8'-6"		

DOOR HARDWARE

HW1 - EXIT CLASSROOM DOOR - EXTERIOR:

LOCKSET	SCHLAGE ND75PDRHO626	FINISH 26D	(OR EQUAL)
BUTTS	HAGER BB1191 4 1/2" NRP		(OR EQUAL)
CLOSER	NORTON 8501 BFDA	FINISH ALUM	(OR EQUAL)
WEATHER STRIP	HAGER 891SAV 3684	FINISH ALUM	(OR EQUAL)
THRESHOLD	HAGER 413SA 36	FINISH ALUM	(OR EQUAL)
DOOR BOTTOM	HAGER 783SAV 35N	FINISH ALUM	(OR EQUAL)

HW2 - STAFF RESTROOM DOOR - EXTERIOR:

LOCKSET	SCHLAGE ND75PDRHO626	FINISH 26D	(OR EQUAL)
BUTTS	HAGER BB1191 4 1/2" X 4 1/2" NRP	FINISH 26D	(OR EQUAL)
WEATHER	HAGER 891SAV 3684	FINISH ALUM	(OR EQUAL)
STRIP	HAGER 413SA 36	FINISH ALUM	(OR EQUAL)
THRESHOLD	HAGER 783SAV 35N	FINISH ALUM	(OR EQUAL)
DOOR BOTTOM	ANEMO 24X12	FINISH BRONZE	(OR EQUAL)

HW3 -INT DOOR - INTERIOR:

LOCKSET	TAH LHV 75 SAT 626	FINISH 26D	(OR EQUAL)
CYLINDER	SCHLAGE 23-065626 W/ SPECIAL TAIL	FINISH 26D	(OR EQUAL)
BUTTS	TAH FB179 4.5X4.5 NRP 626	FINISH 26D	(OR EQUAL)

HW4 - EXIT CLASSROOM DOOR - EXTERIOR - PANIC HARDWARE:

3

LOCKSET	SCHLAGE ND75PDRHO626		
EXIT DEVICE	VON DUPRIN AX-PA 99L-2 626	FINISH 26D	(OR EQUAL)
BUTTS	HAGER BB1191 4 1/2" NRP		(OR EQUAL)
CLOSER	NORTON 8501 BFDA	FINISH ALUM	(OR EQUAL)
WEATHER STRIP	HAGER 891SAV 3684	FINISH ALUM	(OR EQUAL)
THRESHOLD	HAGER 413SA 36	FINISH ALUM	(OR EQUAL)
DOOR BOTTOM	HAGER 783SAV 35N	FINISH ALUM	(OR EQUAL)

ABBREVIATIONS:

FLOORING

CARP: COMPLYING WITH GROUP 1; TYPE "A" OR TYPE "B"; CLASS 2; DENSITY 4600; DIRECT GLUE DOWN

SV: SHEET VINYL FLOORING

VCT: VINYL COMPOSITION TILE

BASE

4" TS: 4" TOP SET BASE

6" TS: 6" TOP SET BASE

6" SC: 6" SELF COVE BASE

WALL

TACK: ½" VINYL TACKBOARD CLASS 1 OVER ½" GYPSUM BOARD BACKING

FRP: ⅛" FIBER REINFORCED PANEL OVER ½" WATER RESISTANT GYPSUM BOARD

CEILING

(A) : ACOUSTICAL LAY IN 2'x4' GRID CEILING PANELS - (#755B OR #562)
(B) : 2'x4' WASHABLE CEILING PANELS - #2910
(C) : HC 5/8" GYPSUM BOARD: TAPE: TEXTURES :PAITED FINISH

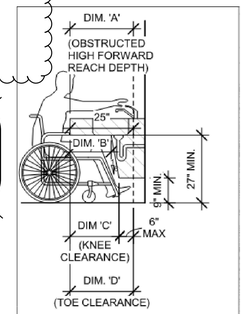
FINISHES NOTES

1. ALL FINISHES SHALL COMPLY WITH CBC, TITLE 19, AND C.F.C.
2. PER ASTM D2047 ALL FLOORING WITH A COEFFICIENT OF FRICTION OF A MINIMUM OF 0.6 WILL BE CONSIDERED TO OBTAIN THE INTENT OF A SLIP RESISTANCE SURFACE.
3. FLOORING CONTRACTOR IS RESPONSIBLE FOR SUB-FLOORING PREPARATION. ALL PLYWOOD TO BE APA RATED AND COMPLY WITH PS1-09. PLYWOOD SURFACE TO BE CARPETED IS TO BE PLUGGED AND SANDED BY FLOORING CONTRACTOR. ALL DEFORMITIES OCCURRING DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE PLUGGED AND SANDED BY FLOOR CONTRACTOR. MATELINE JOINTS TO BE A MAX OF ⅛" AND SHALL BE PLUGGED AND SANDED BY FLOORING CONTRACTORS.
4. ALL CARPET AND FLOOR FINISH MUST COMPLY PER CBC SECTION 11B-302 FLOOR AND GROUND SURFACES. ALL CHANGES IN ELEVATION SHALL COMPLY WITH CBC SECTION 11B-303 CHANGES IN LEVELS.

3

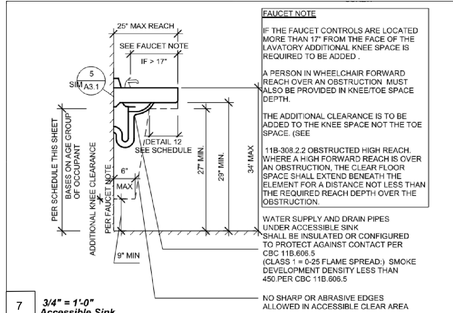
REGISTERED PROFESSIONAL ENGINEER — MANNY D. FONG — No. S-5338 — Exp. 03/31/26 — STRUCTURAL — STATE OF CALIFORNIA
05/08/24

APPROVED
DIV. OF THE STATE ARCHITECT
APP. 04-122182 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/21/2024

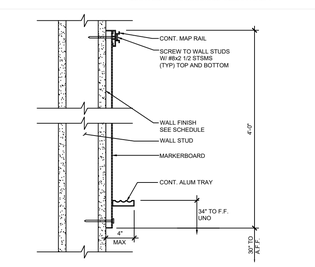


DIM. 'A'	DIM. 'B'	DIM. 'C'	DIM. 'D'
17"	8"	11"	17"
18"	9"	12"	18"
,19"	10"	13"	19"
20"	11"	14"	20"
21"	12"	15"	21"
22"	13"	16"	22"
23"	14"	17"	23"
24"	15"	18"	24"
25"	16"	19"	25"

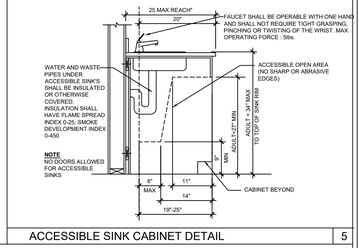
8 ***3/8" = 1'-0"***
MOUNTING SCHEDULE



7 ***3/4" = 1'-0"***
Accessible Sink



MARKER BOARD ATTACHMENT 6



ACCESSIBLE SINK CABINET DETAIL 5

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 02-121828 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/24/2024

REVISIONS	BY
1	
2	
3	
4	
5	
6	
7	
8	

Class Leasing
1651 S. Juanita St. San Jacinto, CA 92583-5003
VOICE (951)943-1908 FAX (951)943-5768

ENGINEER

REGISTERED PROFESSIONAL ENGINEER — MANNY D. FONG — No. S-5338 — Exp. 03/31/24 — STRUCTURAL — STATE OF CALIFORNIA
10/31/23

AOR

MERCED-LOS BANOS

SHEET TITLE:
SCHEDULES AND DETAILS

DATE: 05-07-24

DRAWN BY: VICTOR L.

SCALE: AS SHOWN

JOB:

SHEET NO:
ALT-D1