

GENERAL NOTES

THE FOLLOWING GENERAL NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE LANDSCAPE ARCHITECT OF WORK. A CITY OF CHULA VISTA SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF ANY OF THESE NOTES AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.

- NOTES ARE DIRECTED TO THE WORK OF THE LANDSCAPE CONTRACTOR UNLESS NOTED ON PLANS.
- WORK NOT INTENDED TO BE UNDER LANDSCAPE CONTRACTOR'S CONTRACT:
 - N.I.C. - NOT IN CONTRACT
 - BY OTHERS
 - EXISTING
- CONTRACTOR SHALL VERIFY WITH LANDSCAPE ARCHITECT THAT PLANS ARE CURRENT AND APPROVED.
- WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF CHULA VISTA LANDSCAPE MANUAL (MOST RECENT EDITION) AND THE SAN DIEGO COUNTY HANDBOOK FOR PUBLIC WORKS CONSTRUCTION.
- THESE LANDSCAPE AND IRRIGATION PLANS HAVE BEEN CHECKED ONLY FOR COMPLIANCE WITH THE REQUIREMENTS OF THE GRADING ORDINANCE. THE ENGINEER'S SIGNATURE OR APPROVAL DOES NOT CONSTITUTE APPROVAL OF ADDITIONAL LANDSCAPE AND IRRIGATION WHICH IS NOT COVERED BY THE BUILDING DEPARTMENT CHECK AND APPROVAL.
- THESE PLANS ARE BASED ON HUNSAKER & ASSOCIATES PRECISE GRADING PLANS, W.O. # OR651P1, DRAWING NO. 22006, SHEETS C-1 THROUGH C-5.
- THESE PLANS ARE BASED ON HALE ENGINEERING'S IMPROVEMENT PLANS, W.O. # OR-6511, DRAWING NO. 14012-01
- THESE PLANS ARE BASED ON PUBLIC RESTROOM COMPANYS TRASH ENCLOSURE + COMFORT STATION PLANS
- THESE PLANS ARE BASED ON JUSTUS STUDIOS CONTAINER PLANS (FOR FREEFORM DEVELOPMENT INC.)
- THE OWNER SHALL PROVIDE A COPY OF THE ENGINEERING SOILS REPORT BY AGS, INC. REPORT NO. 2205-03-B-2, DATED MAY 19, 2022 TO THE CONTRACTOR WHO SHALL BECOME FAMILIAR WITH THE REPORT'S RECOMMENDATIONS PRIOR TO BEGINNING ANY WORK. THE CONTRACTOR SHALL COMPLY WITH THE REPORT'S RECOMMENDATIONS AS THEY RELATE TO HIS WORK.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY AND/OR REQUIRED PERMITS AND PAY ALL RELATED FEES AND/OR TAXES REQUIRED TO INSTALL THE WORK ON THESE PLANS, INCLUDING, BUT NOT LIMITED TO PLAY STRUCTURES, UMBRELLAS, AND MONUMENT.
- THE CONTRACTOR SHALL BE APPROPRIATELY LICENSED AS REQUIRED BY THE STATE IN WHICH THE WORK TAKES PLACE.
- PRIOR TO INITIATING ANY PHASE OF THE IRRIGATION INSTALLATION, THE CONTRACTOR SHALL VERIFY EXISTENCE, SIZE, AND LOCATION OF ALL RELATED UTILITY SERVICES AND METERS AND NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL SUBMIT A SCHEDULE OF WORK, TO BE APPROVED BY OWNER AND LANDSCAPE ARCHITECT, PRIOR TO BEGINNING THE PROJECT. ALL WORK SHALL BE IN ACCORDANCE WITH SAID SCHEDULE.
- THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING THE WORK AND SHALL BE RESPONSIBLE FOR COORDINATING WITH THE OWNER, LANDSCAPE ARCHITECT, GOVERNING AGENCIES AND OTHER TRADES.
- CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT OF ANY ERRORS, OMISSIONS OR DISCREPANCIES IN EXISTING CONDITIONS OR WITHIN THE PLANS PRIOR TO BEGINNING THE WORK. IMMEDIATE NOTIFICATION WILL BE GIVEN TO THE LANDSCAPE ARCHITECT SHOULD SUCH A CONDITION BE DISCOVERED.
- ALL MATERIAL SHALL BE NEW UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL, IMMEDIATELY UPON BEING AWARDED THE CONTRACT, MAKE ANY ARRANGEMENTS NECESSARY TO INSURE THAT ALL MATERIALS, CONNECTIONS, AND SUPPLIES WILL BE AVAILABLE WHEN NEEDED FOR THIS PROJECT.
- ADDITIONS AND/OR DELETIONS OF MATERIAL AND/OR LABOR SHALL BE MADE AT UNIT PRICES.
- NO ALTERATIONS WILL BE CONSIDERED FOR ITEMS SPECIFICALLY CALLED FOR ON THESE PLANS.
- DETERMINATION OF "EQUAL" SUBSTITUTIONS SHALL BE MADE ONLY BY THE LANDSCAPE ARCHITECT AND/OR OWNER.
- LANDSCAPE ARCHITECT SHALL BE NOTIFIED NO LESS THAN 48 HOURS IN ADVANCE OF ANY SITE OBSERVATIONS OR MEETINGS.
- SITE OBSERVATIONS AND MEETINGS SHALL INCLUDE:
 - PRE-CONSTRUCTION
 - LANDSCAPE GRADING AND SOIL AMENDING
 - LANDSCAPE CONSTRUCTION
 - IRRIGATION PRESSURE AND COVERAGE TEST
 - SPOTTING OF SPECIMEN PLANTS
 - PLANTING
 - PRE-MAINTENANCE
 - POST-MAINTENANCE (FINAL)

NOTES: "LANDSCAPE" SHALL REFER TO ALL IMPROVEMENTS WITHIN THIS SET OF DOCUMENTS THAT HAVE BEEN DESIGNED BY THIS OFFICE. THE CONTRACTOR SHALL CONTACT THE CITY OF CHULA VISTA SENIOR LANDSCAPE INSPECTOR, DAVE DEFACCI (619-409-5432 AND DDEFACCI@CHULAVISTACA.GOV) FOR ALL TREE PLACEMENT AND SPOTTING PRIOR TO INSTALLATION. PRIOR TO THE COMMENCEMENT OF THE LANDSCAPE AND IRRIGATION IMPROVEMENTS, THE CONTRACTOR SHALL CONTACT THE CITY OF CHULA VISTA SENIOR LANDSCAPE INSPECTOR, DAVE DEFACCI FOR A LANDSCAPE INSPECTION PACKET, LANDSCAPE AND IRRIGATION BOND EXONERATION WORKSHEET, AND TO SCHEDULE AN INSPECTION OF THE IMPROVEMENTS. <https://www.chulavistaca.gov/departments/development-services/resources/dsdfmsspecifications>

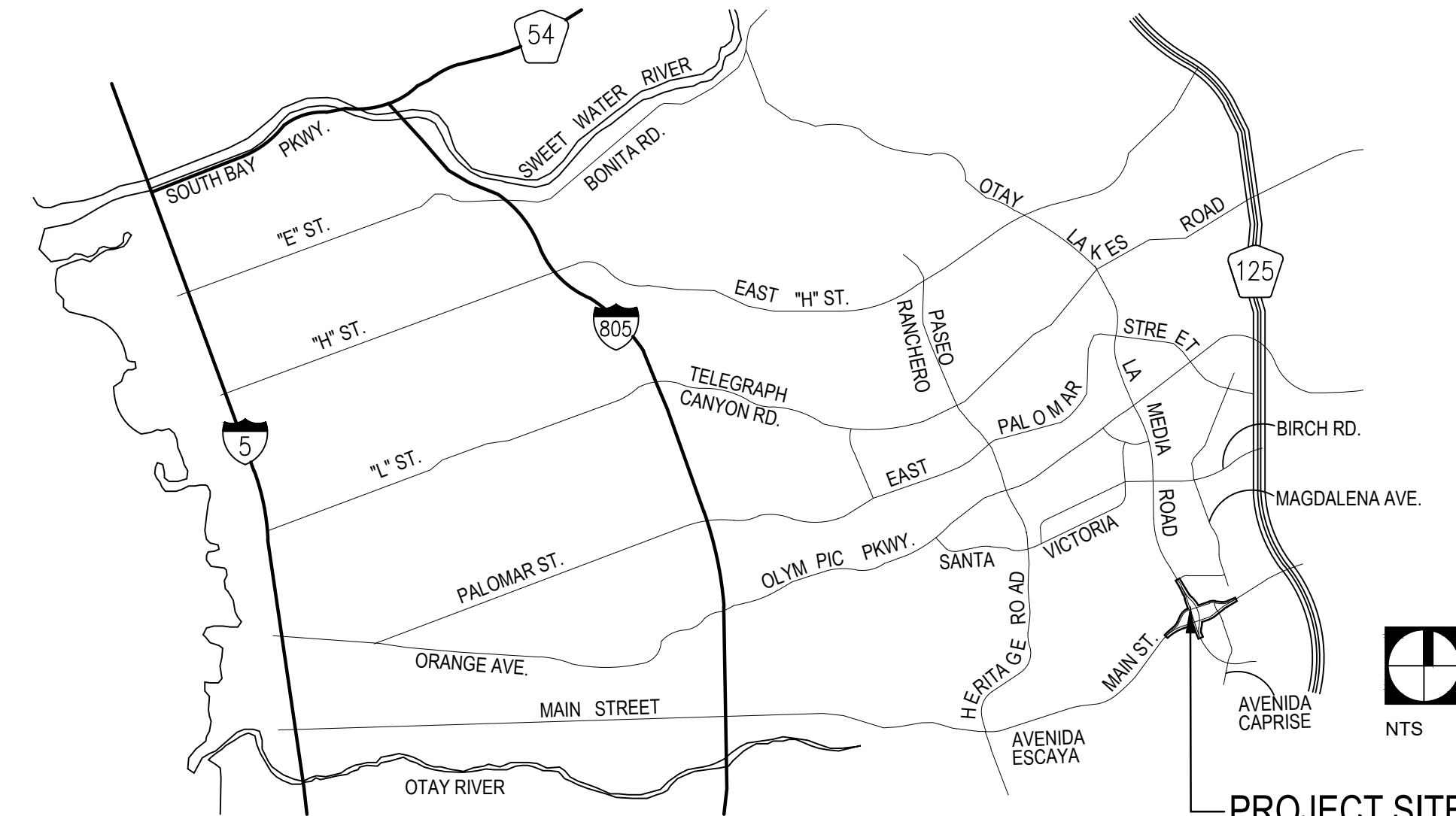
- SITE OBSERVATIONS BY THE LANDSCAPE ARCHITECT DURING ANY PHASE OF THIS PROJECT DOES NOT RELIEVE THE CONTRACTOR OF HIS PRIMARY RESPONSIBILITY TO PERFORM ALL WORK IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND GOVERNING CODES.
- CONTRACTOR SHALL BE BACK CHARGED FOR LANDSCAPE ARCHITECT'S TIME WHEN OBSERVATIONS ARE CALLED FOR AND IT IS FOUND THAT THE WORK IS NOT SIGNIFICANTLY READY UPON OBSERVATION OR APPOINTMENT IS NOT KEPT. TIME WILL BE CHARGED ON AN HOURLY BASIS, PLUS TRANSPORTATION, FOOD AND LODGING COSTS, IF ANY, AT THE THEN EXISTING HOURLY RATE FOR PERSONNEL PROVIDING THE OBSERVATIONS.
- THIS FIRM DOES NOT PRACTICE OR CONSULT IN THE FIELD OF SAFETY ENGINEERING. THIS FIRM DOES NOT DIRECT THE CONTRACTORS OPERATIONS, AND IS NOT RESPONSIBLE FOR THE SAFETY OF PERSONNEL OTHER THAN OUR OWN ON THE SITE. THE SAFETY OF OTHERS IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHOULD NOTIFY THE OWNER IF HE CONSIDERS ANY OF THE RECOMMENDED ACTIONS PRESENTED HEREIN TO BE UNSAFE.
- THESE PLANS HAVE BEEN PREPARED IN SUBSTANTIAL CONFORMANCE WITH THE LANDSCAPE CONCEPT PLANS, WATER CONSERVATION PLAN AND CONDITIONS OF APPROVAL RELATED TO LANDSCAPING.
- LANDSCAPE IMPROVEMENTS SHOWN ON THESE PLANS ARE TO BE MASTER ASSOCIATION MAINTAINED. THE DEVELOPER / CONTRACTOR SHALL PROVIDE FULL MAINTENANCE OF ALL LANDSCAPE AREA FOR A MINIMUM OF 90 DAYS AFTER INITIAL WRITTEN CLIENT APPROVAL.
- THESE PLANS AND ALL WORK SHALL COMPLY WITH THE 2022 CBC (2022 IBC), 2022 CPC, 2022 CMC, 2022 CEC, 2022 CFC & THE 2022 CALIFORNIA ENERGY CODE, AS ADOPTED AND AMENDED BY THE CITY OF CHULA VISTA.
- THE LANDSCAPE AND IRRIGATION SHALL BE IN COMPLIANCE WITH THE CITY OF CHULA VISTA LANDSCAPE WATER CONSERVATION ORDINANCE, MUNICIPAL CODE CHAPTER 20.12.
- APPLICANT AND CONTRACTOR SHALL VISIT THE CITY'S LANDSCAPE ARCHITECTURE INSPECTION WEBPAGE AT: <https://www.chulavistaca.gov/departments/development-services/landscapearchitectureinspection> TO UNDERSTAND REQUIREMENTS FOR LANDSCAPE SIGN-OFF AT COMPLETION OF IMPROVEMENTS
- CONTRACTOR TO SUBMIT FIELD RECORD REDLINES TO LANDSCAPE ARCHITECT

Building Permit: Comfort Station, Trash Enclosure, Container

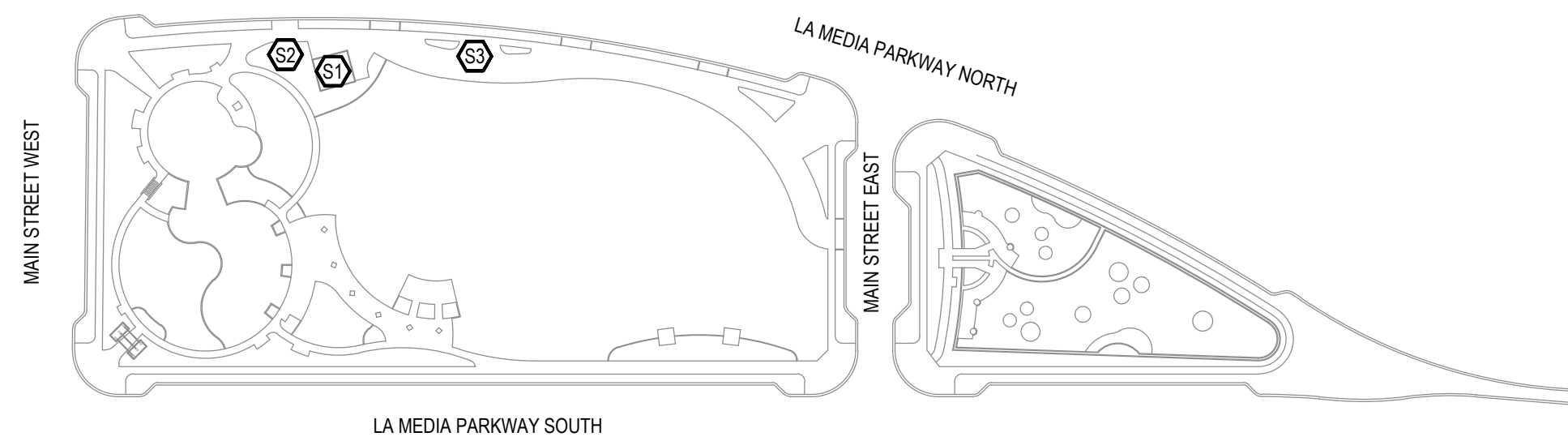
OTAY RANCH VILLAGE 8 WEST

CENTRAL SQUARE PARK

A Development of HomeFed Corporation



VICINITY MAP



LOCATION MAP

Building Permit Scope of Work

| Symbol | Description | Area | See Sheets / Plans |
|--------|---------------------------------------|--------|--|
| S1 | Prefabricated Comfort Station | 484 sf | LS-1, and Approved Plans by Public Restroom Company, State of CA Approval 591-1254 (5-17-23) |
| S2 | Prefabricated Trash Enclosure | 200 sf | LS-1, and Approved Plans by Public Restroom Company, State of CA Approval 591-1255 (5-24-23) |
| S3 | Prefabricated Pop-up Retail Container | 160 sf | LS-1, Approved Plans by Justus Studio Inc State of CA Approval MAC-CM 10075 (9-3-23) and Approved Plans by Food Service Design Group San Diego County DEH 2023-FFPP-016938 |

PROJECT DATA

| Description | Trash Enclosure | Comfort Station | Container |
|-----------------------------|-----------------|-----------------|-----------|
| Construction Type: | VB | VB | VB |
| Number of Stories: | 1 | 1 | 1 |
| Occupancy / Classification: | U | U | B |
| Area: | 200sf | 484sf | 160sf |
| Height: | 11'-11" | 12'-5" | 9'-6" |
| Wildland Urban Interface: | No | No | No |
| FLCOD Zone Design Criteria: | n/a | n/a | No |
| Fire Sprinklers: | No | No | No |

SHEET INDEX

| Sheet Number | Sheet Description |
|--------------|---|
| 1 | T-1 TITLE SHEET |
| 2 | LS-1 SITE PLAN |
| 3 | LS-2 CIRCULATION PLAN |
| 4 | LS-3 ACCESSIBILITY DETAILS (SITE ONLY) |
| 5-13 | T-1, AC, A-1, A-1.1, A-2, A-3, P-1, E-1, S-1 COMFORT STATION - STATE OF CA APPROVED PLANS BY PUBLIC RESTROOM COMPANY |
| 14-18 | T-1, A-1, A-2, P-1, S-1 TRASH ENCLOSURE - STATE OF CA APPROVED PLANS BY PUBLIC RESTROOM COMPANY |
| 19-51 | A0-0.00 THRU A3-2.00, S000 THRU S401, E001 THRU E203, P0.1 THRU P2.1 POP-UP RETAIL CONTAINER - STATE OF CA APPROVED PLANS BY JUSTUS STUDIO INC. |
| 52-55 | KT, K-0.0, K-1.0, K-2.0, POP-UP RETAIL CONTAINER- APPROVED COUNTY OF SAN DIEGO DEH PLANS BY FOOD SERVICE DESIGN GROUP |

RELATED PERMITS
(NOT A PART, FOR REFERENCE ONLY)

| Permit No. | Description |
|---------------------|-------------------------|
| 591-1254 | COMFORT STATION |
| 591-1255 | TRASH ENCLOSURE |
| MAC-CM 10045 | POP-UP RETAIL CONTAINER |
| DEH2023-FFPP-016938 | POP-UP RETAIL CONTAINER |
| WO OR-651P1 | IMPROVEMENT PLANS |
| S23-0027 | MONUMENT SIGN |
| FE22-0078 | ENCROACHMENT AGREEMENT |

Per Separate Documents
 COMFORT STATION STRUCTURAL CALCS
 TRASH ENCLOSURE STRUCTURAL CALCS
 POP-UP RETAIL CONTAINER STRUCTURAL CALCS
 GEOTECHNICAL REPORT BY AGS

ACCESSIBILITY NOTES

- THESE PLANS AND ALL WORK SHALL COMPLY WITH THE CURRENT (2022) EDITION OF THE CALIFORNIA BUILDING CODE, TITLE 24, CHAPTER 11B. THE INSTALLING CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THIS CHAPTER OF THE CBC.
- ACCESSIBLE ROUTES SHALL COMPLY WITH 11B-402
 - NO WALK SHALL HAVE A RUNNING SLOPE OF 1:20 (5%) OR GREATER. IF A WALK IS CONSTRUCTED WITH A RUNNING SLOPE OF 1:20 (5%) OR GREATER, IT MUST COMPLY WITH THE RAMP REQUIREMENTS OF SECTION 11B-405.
 - WALKS THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL BE 48" MINIMUM IN WIDTH (11B-403.1)
 - WALK SURFACES SHALL BE SLIP RESISTANT
 - CHANGES IN LEVEL, $\frac{1}{4}$ " MAX SHALL BE PERMITTED TO BE VERTICAL. CHANGES IN LEVEL BETWEEN $\frac{1}{4}$ " MIN. AND $\frac{3}{4}$ " MAX. SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2. (11B-303)
 - THE MAXIMUM PERMITTED CROSS SLOPE IS 1:48 (2%) (11B-403.3)
- SWINGING DOORS AND GATES ON AN ACCESSIBLE ROUTE SHALL COMPLY WITH SECTION 11B-404
 - THERE SHALL BE A LEVEL AREA PROVIDED AT AREAS WHERE A DOOR OR GATE SWINGS INTO AN ACCESSIBLE ROUTE OF TRAVEL, AND SHALL COMPLY WITH THE SIZES IN TABLE 11B-404.2.4.1.
 - ALL DOOR AND GATE MANEUVERING CLEARANCES MUST COMPLY WITH TABLE 11B-404.2.4.1

OWNER
HOMEFED CORPORATION
 1903 WRIGHT PLACE, SUITE 220
 CARLSBAD, CA 92008
 (760) 798-1765
 CONTACT: Don Ross

LANDSCAPE ARCHITECT
TRIBUTARY LA, INC.
 2725 JEFFERSON STREET, SUITE 14
 CARLSBAD, CA 92008
 (760) 434-9300
 CONTACT: TOM PICARD

CIVIL ENGINEER
HUNSAKER & ASSOCIATES
 9707 WAPLES STREET
 SAN DIEGO, CA 92121
 (858) 558-1414
 CONTACT: YOLANDA CALVO

IRRIGATION CONSULTANT
VELOCITY IRRIGATION
 33886 Harvest Way
 Wildomar, CA 92595
 (951) 312-4466
 CONTACT: Rick Dorth

ELECTRICAL ENGINEER
RTM ENGINEERING CONSULTANTS
 39249 LEOPARD STREET, SUITE A-101
 PALM DESERT, CALIFORNIA 92211
 (760) 340-9005
 CONTACT: VICTOR LEON

STRUCTURAL ENGINEER (LANDSCAPE PLANS)
ORIE 2 ENGINEERING
 9750 MIRAMAR ROAD, SUITE 310
 SAN DIEGO, CA 92126
 (858) 335-7643
 CONTACT: JAMES ORIE

GEOTECHNICAL ENGINEER
AGS
 485 CORPORATE DRIVE, SUITE B
 ESCONDIPO, CA 92029
 (619) 867-0487
 CONTACT: ANDRES BERNAL, PAUL DeRISI

CONTAINER CONSULTANT
FREEFORM DEVELOPMENT, INC.
 1148 INDUSTRIAL AVE
 ESCONDIPO, CA 92029
 (760) 801-2384
 CONTACT: ADAM JUBELA

COMFORT STATION + TRASH CONSULTANT
PUBLIC RESTROOM COMPANY
 2587 BUSINESS PARKWAY
 MINDEN, NV 89423
 (888) 888-2060
 CONTACT: JOSIE CHELOTTI

GOVERNING MUNICIPALITY
THE CITY OF CHULA VISTA
 276 FOURTH AVENUE
 CHULA VISTA, CALIFORNIA 92010
 (619) 476-2385
 CONTACT: MARK CARO

GOVERNING WATER AGENCY
OTAY WATER DISTRICT
 2554 SWEETWATER SPRINGS BOULEVARD
 SPRING VALLEY, CALIFORNIA 91977
 (619) 670-2241
 CONTACT: PUBLIC SERVICES

GOVERNING HEALTH AGENCY
COUNTY OF SAN DIEGO DEPT. OF ENVIRONMENTAL HEALTH
 5500 OVERLAND AVENUE, SUITE 170
 SAN DIEGO, CALIFORNIA 92123
 (858) 505-6700
 CONTACT:

Responsibility Disclaimer

All screened facilities, existing or proposed, were obtained from Civil Improvement Plans OR-6511 and OR-651P1, and OWD Work Order No. D0944-060297. For this project, OWD Project No. D0944-090297, actual size and location of facilities shall be verified. Contractor shall pothole all existing utilities to verify tie-in locations, pipe size and type prior to any work being performed. To the best of our knowledge the facilities exist or will exist as shown. The Otay Water District and Tributary LA, Inc. shall not be held responsible for actual size and location. Any discrepancies shall be immediately brought to the attention of the Otay Water District Engineer.

Omission Statement

There are no decorative fountains, swimming pools, or wells on the site.

Drinking fountains, comfort stations, playground equipment, and outdoor eating areas shall be protected against contact with recycled water spray, mist, or run-off.

Inspection Note

Otay Water District Inspection shall be notified five (5) working days prior to the start of construction at (619) 670-2241. All work performed without the benefit of inspection shall be subject to rejection and removal.

Declaration of Responsible Charge

I hereby declare that I am the Landscape Architect of work for this project, that I have exercised responsible charge over the design of the project as defined in section 6703 of the Business and Professions Code, and that the design is consistent with current standards.

I understand that the check of project drawings and specifications by the City of Chula Vista, the Otay Water District, and the County of San Diego Department of Environmental Health is confined to a review only and does not relieve me, as Landscape Architect of work, of my responsibilities for project design.

I am familiar with and agree to comply with the requirements for landscape improvement plans as described in Chapter 20.12 of the Municipal Code. I have prepared these plans in compliance with those regulations. I certify that the plans implement the regulations to provide efficient landscape water use.

05 Jan 24
 DATE
 SIGNATURE
 THOMAS PICARD, R.L.A. NO. 4001 EXP. DATE: 9-30-23
 TRIBUTARY LA, INC.
 2527 JEFFERSON ST. SUITE 14 CARLSBAD, CA 92008

CITY OF CHULA VISTA SUBMITTALS
 1ST SUBMITTAL 05 Jan 24

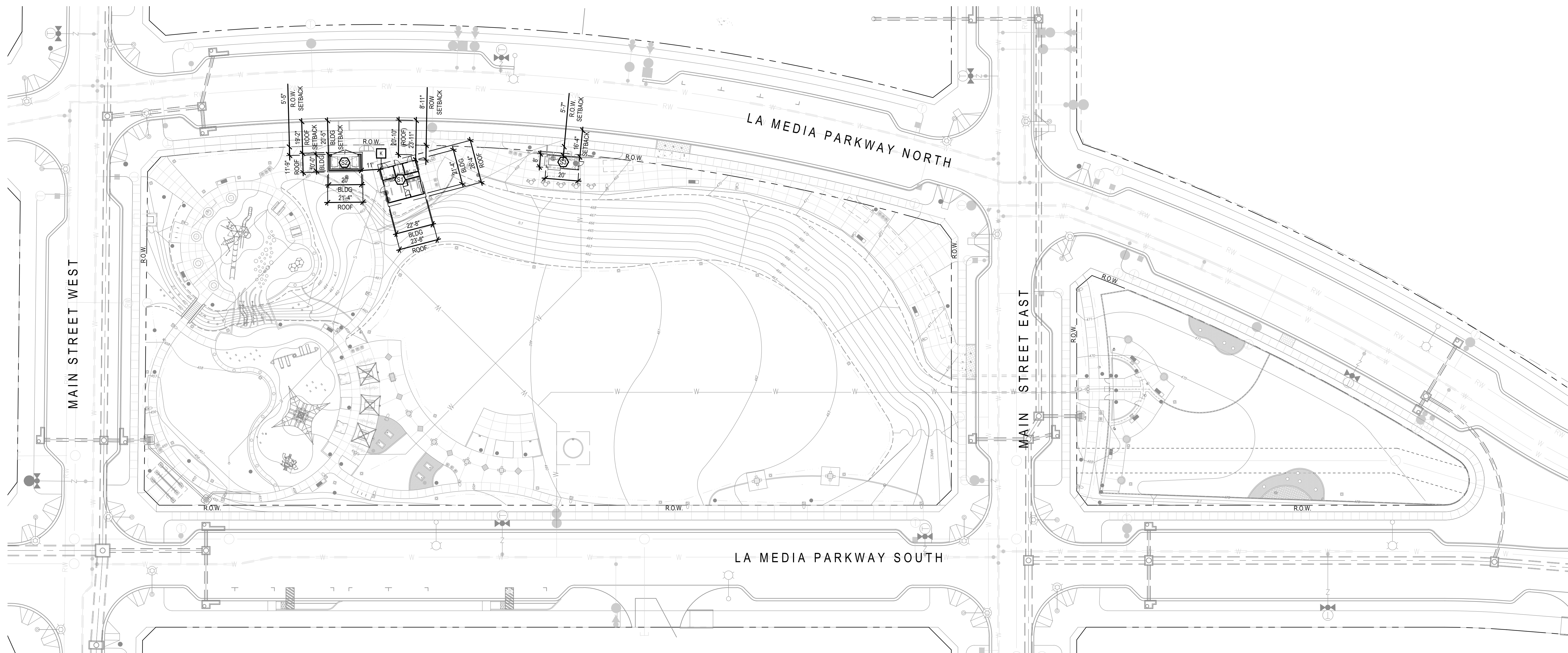
"AS-BUILT"
 SIGNED: _____ DATE: _____
 PRINT NAME: THOMAS A. PICARD R.L.A. # 4001
 DISCIPLINE: LANDSCAPE ARCHITECT REGIST. EXP. 9/30/25



Tributary LA, Inc.
 2725 Jefferson Street, Suite 14
 Carlsbad, CA 92008
 760.438.3304 office

DATE: 05 Jan 24
 SCALE: N / A
 JOB NO. 19.027
 DRAWN BY: KK
 W.O. NO. OR-

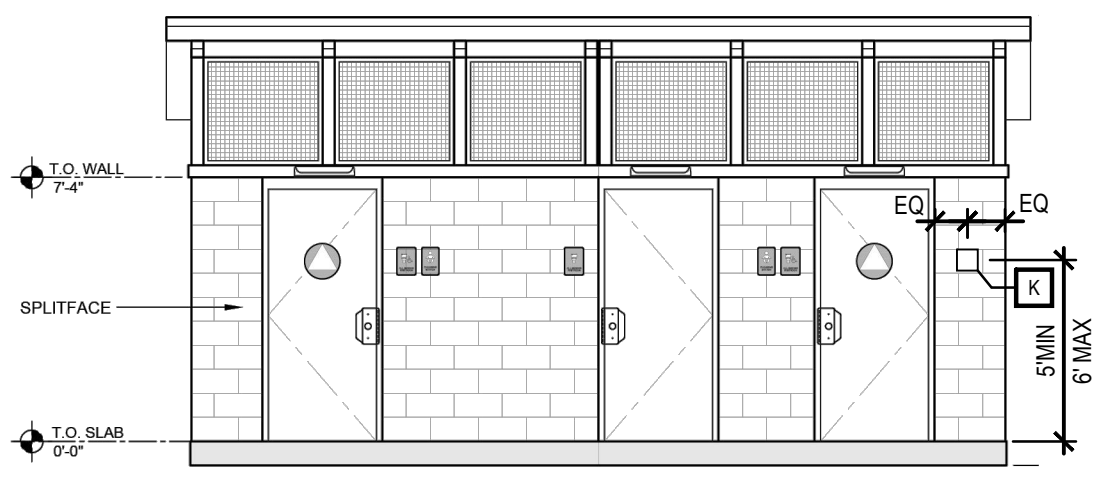
| CONSTRUCTION RECORD | REFERENCES | BY | REVISIONS | Date | App'd | BENCH MARK | SCALE | Office | Designed By | Drawn By | Checked By | CITY OF CHULA VISTA | DWG NO. |
|---------------------|----------------------|--------------------|-----------|------|-------|---|----------------|--------|------------------|----------|------------|---|-----------------|
| Contractor | CV DWG: 14011, 14012 | HALE ENGINEERING | | | | DESCRIPTION: CITY OF CHULA VISTA BENCH MARK NO. 5072 ELEVATION 446.91 NAVD 88 | Horizontal N/A | | THOMAS A. PICARD | KK/TP | TP | OTAY RANCH VILLAGE 8 WEST - CENTRAL SQUARE PARK | T-1 |
| Inspector | CV DWG: 20033 | TRIBUTARY LA, INC. | | | | DESCRIPTION: 3" BRASS DISK (L54324) WELL MON @ CL INT. RUTGERS & OTAY LAKES. PT. NO. 5072 PER ROD 14841 | Vertical | | THOMAS A. PICARD | KK/KF | TP | LANDSCAPE TITLE SHEET | Sheet 001 of 55 |
| Date Completed | | | | | | | | | THOMAS A. PICARD | KK/KF | TP | CHULA VISTA TENTATIVE TRACT MAP NO. 19-03 | |



Building Permit Scope of Work

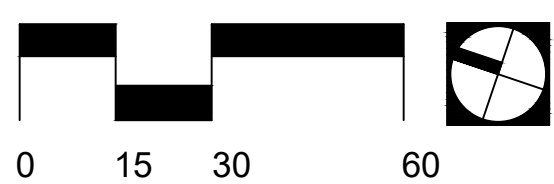
| Symbol | Description | Area | See Sheets / Plans |
|--------|---------------------------------------|--------|--|
| | Prefabricated Comfort Station | 484 sf | LS-1, and Approved Plans by Public Restroom Company, State of CA Approval 591-1254 (5-17-23) |
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LEGEND
 KNOX BOX LOCATION - PER CITY OF CHULA VISTA STANDARDS, SEE DETAIL L/ THIS SHEET



KNOX BOX LOCATION

FIR-KNOX L



IT'S THE LAW! DIAL BEFORE YOU DIG!

CALL AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING
 1-800-227-2600
 UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

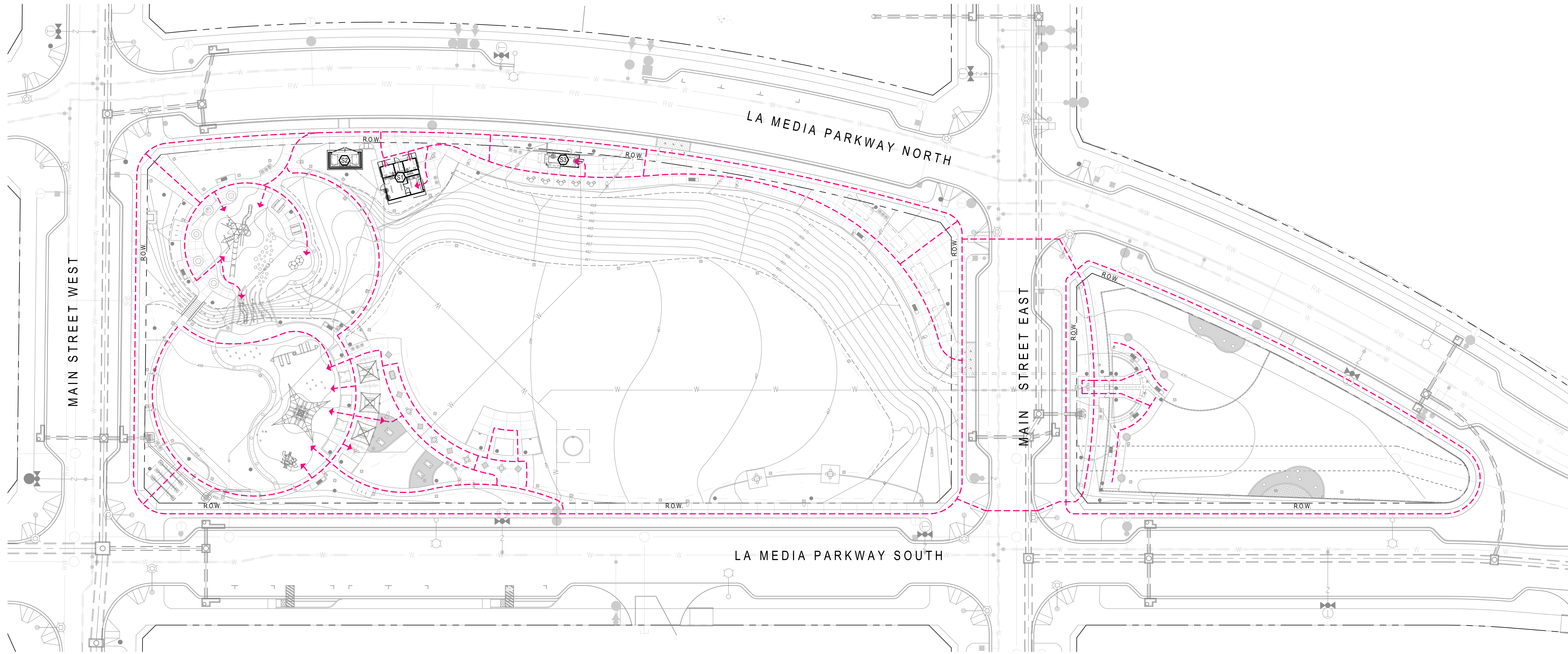
BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 1-800-227-2600



Tributary LA, Inc.
 2725 Jefferson Street, Suite 14
 Carlsbad, CA 92008
 760.438.3304 office

| | |
|-----------|-----------|
| DATE: | 05 Jan 24 |
| SCALE: | 1" = 30' |
| JOB NO. | 19.027 |
| DRAWN BY: | KK |
| W.O. NO. | OR- |

| CONSTRUCTION RECORD | REFERENCES | BY | REVISIONS | Date | App'd | BENCH MARK | SCALE | Office | Designed By | Drawn By | Checked By | APPROVED | DATE | CITY OF CHULA VISTA | DWG NO. |
|---|---------------------------------------|--|-----------|------|-------|---|---|--------|------------------|----------|------------|----------|---|---|------------------------|
| Contractor Inspector Date Completed | CV DWG: 14011, 14012 CV DWG: 20033 | HALE ENGINEERING TRIBUTARY LA, INC. | | | | DESCRIPTION: CITY OF CHULA VISTA BENCH MARK NO. 5072 ELEVATION 446.381 NAVD 89 DESCRIPTION: 3" BRASS DISK @ 543241 WELL MON @ CLINT. RUTGERS & OTAY LAKES. P.I. NO. 5072 PER ROS 14841 | Horizontal 1" = 30' Vertical N/A | | THOMAS A. PICARD | KK/TP | KK/KF | TP | Laura C. Black Director of Development Services or designee. | OTAY RANCH VILLAGE 8 WEST - CENTRAL SQUARE PARK LANDSCAPE OVERALL SITE PLAN CHULA VISTA TENTATIVE TRACT MAP NO. 19-03 | LS-1 Sheet 02 of 55 |



Building Permit Scope of Work

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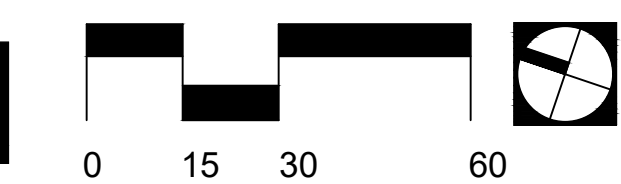
ACCESSIBLE ROUTE (4' W MIN.) - PER GRADING PERMIT, SEE PRECISE GRADING PLAN BY HUNSAKER INCLUDED FOR REFERENCE.

NOTE:
 1. RAMP: THERE ARE NO RAMP WITHIN THE PARK SITE - FOR RAMP IN PUBLIC R.O.W. PLEASE REFER TO THE STREET IMPROVEMENT PLANS BY HALE ENGINEERING. CV DWG 14011, AND 14012
 2. SITE FURNISHINGS: PLEASE REFER TO SHEETS LSF-1 THRU LSF-16 IN THE LANDSCAPE IMPROVEMENT PLANS. CV DWG 22006, WO OR 651P1
 3. HARDSCAPE: PLEASE REFER TO THE LANDSCAPE IMPROVEMENT PLANS. CV DWG 22006, WO OR 651P1

ACCESSIBILITY NOTES

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SEE SHEET LS-3 FOR ACCESSIBILITY DETAILS



IT'S THE LAW! DIAL BEFORE YOU DIG!

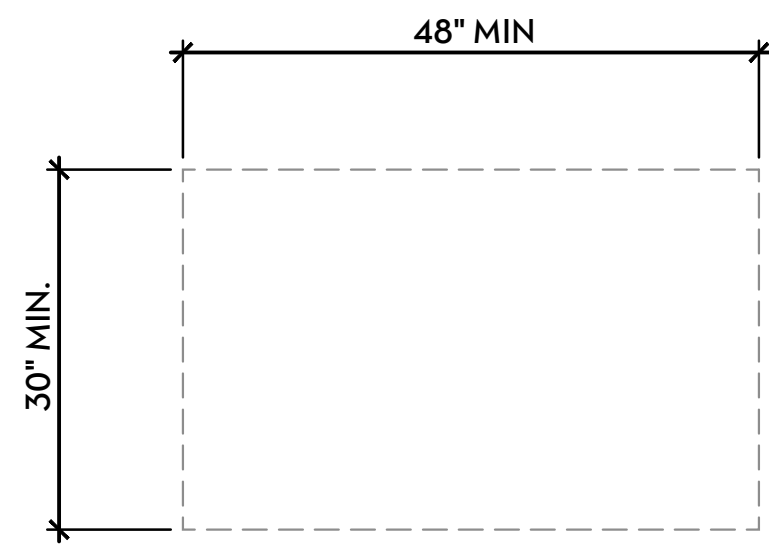
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 1-800-227-2600
 UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CONTACTING UTILITY UNDERGROUND SERVICE ALERT AT 1-800-227-2600

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| W.O. NO. | OR- |

| CONSTRUCTION RECORD | REFERENCES | BY | REVISIONS | Date | App'd | BENCH MARK | SCALE | Office | Designed By | Drawn By | Checked By | Approved: | Date: | CITY OF CHULA VISTA | DWG NO. |
|---|---------------------------------------|--|-----------|------|-------|---|---|--------|------------------|----------|------------|-----------|---|--|------------------------|
| Contractor Inspector Date Completed | CV DWG: 14011, 14012 CV DWG: 20033 | HALE ENGINEERING TRIBUTARY LA, INC. | | | | DESCRIPTION: CITY OF CHULA VISTA BENCH MARK NO. 5072 ELEVATION 446.91 NAVD 89 DESCRIPTION: 3" BRASS DISK @ 543241 WELL MON @ CL INT. RUTGERS & OTAY LAKES. P.I. NO. 5072 PER ROD 14841 | Horizontal 1" = 30' Vertical N/A | | THOMAS A. PICARD | KK/TP | KK/KF | TP | Laura C. Black Director of Development Services or designee. | OTAY RANCH VILLAGE 8 WEST - CENTRAL SQUARE PARK CIRCULATION PLAN CHULA VISTA TENTATIVE TRACT MAP NO. 19-03 | LS-2 Sheet 03 of 55 |

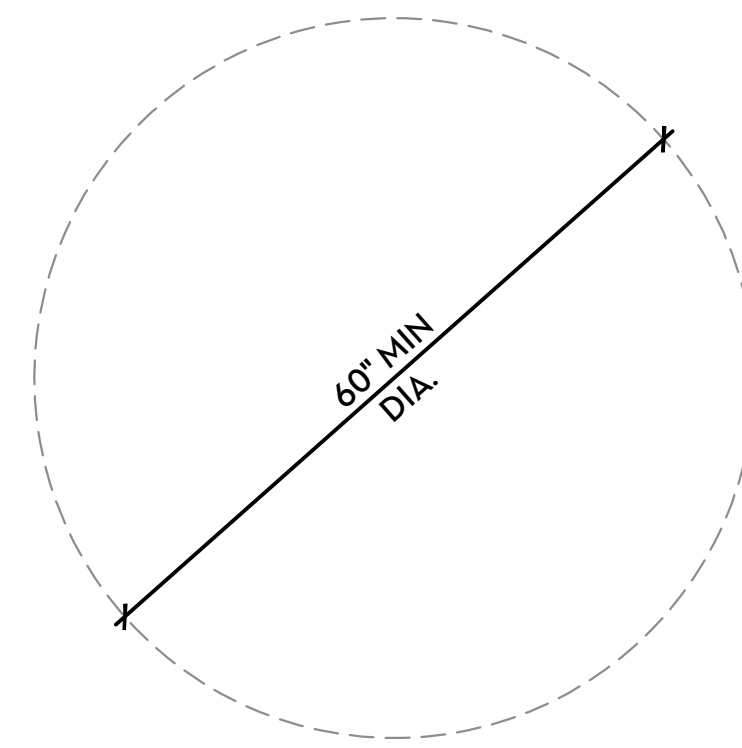


PLAN VIEW

CLEAR FLOOR OR GROUND SPACE

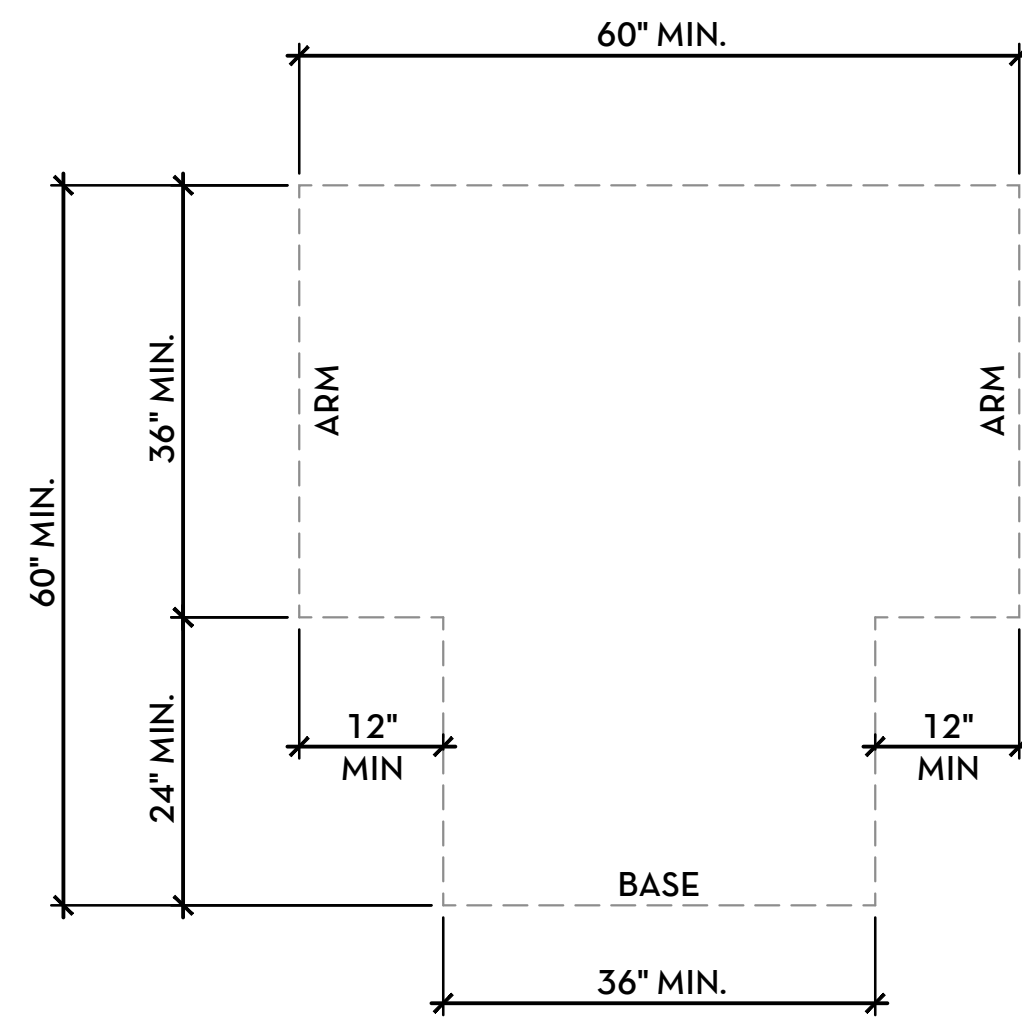
ADA-GRND-FLR-CLR

A



PLAN VIEW
CIRCULAR SPACE

D

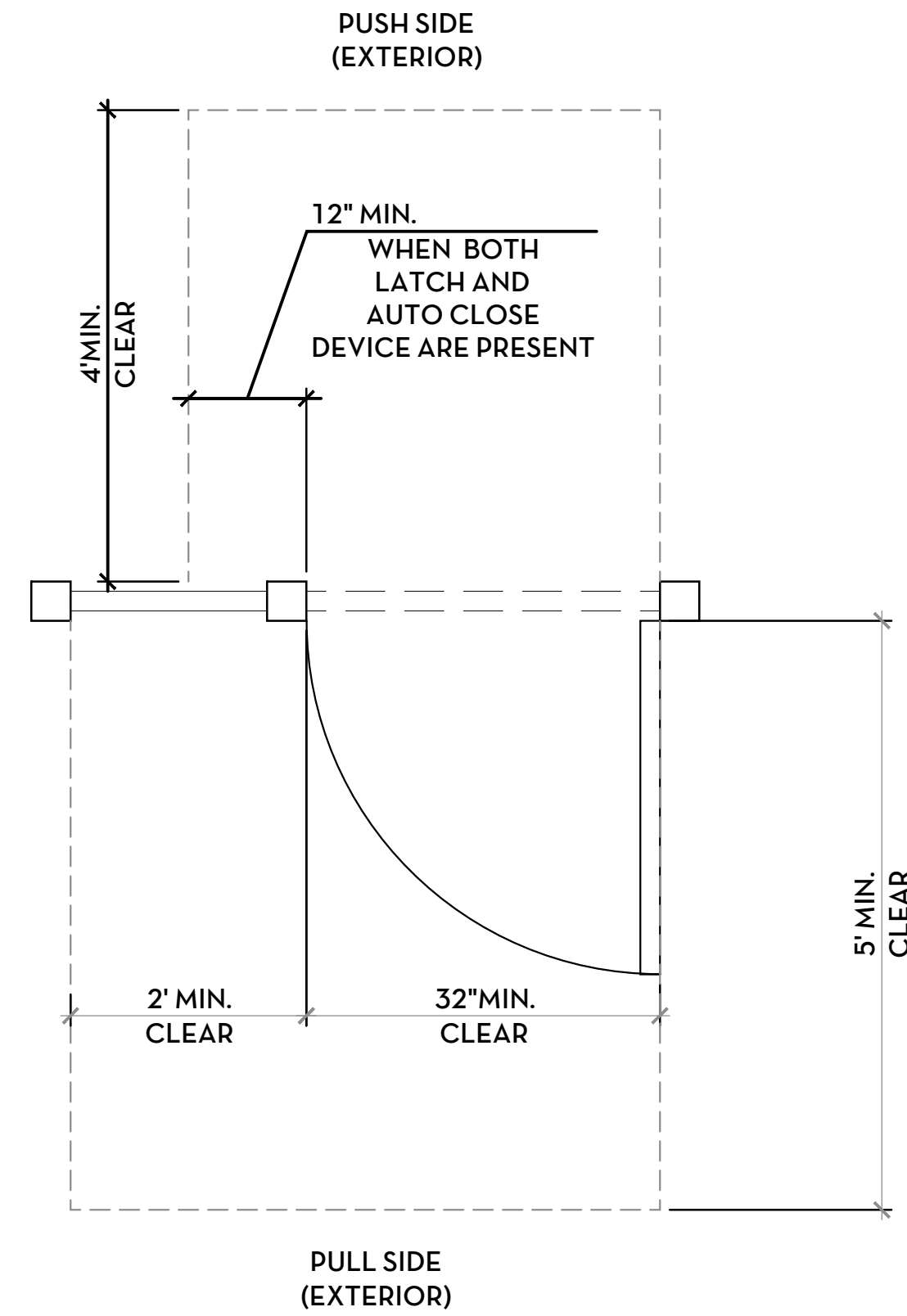


PLAN VIEW
T-SHAPED SPACE

TURNING SPACE

ADA-TRN-CLR

F



PLAN VIEW
FORWARD APPROACH

MANEUVERING SPACE AT GATE

ADA-DR-GAT-CLR

G

NOT ASSIGNED

E

NOT ASSIGNED

H

NOT ASSIGNED

I

NOT ASSIGNED

J

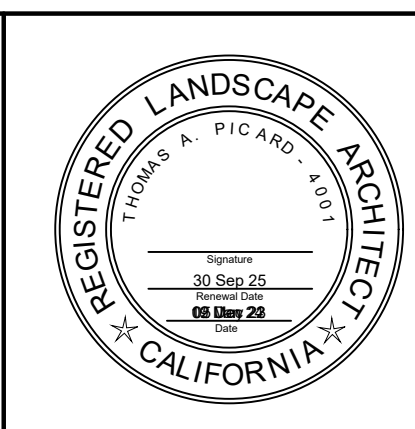
IT'S THE LAW!
DIAL BEFORE
YOU DIG!

CALL AT LEAST TWO
WORKING DAYS PRIOR
TO EXCAVATING

1-800-227-2600

UNDERGROUND SERVICE ALERT
OF SOUTHERN CALIFORNIA

BEFORE EXCAVATING, THE CONTRACTOR SHALL VERIFY THE
LOCATION OF UNDERGROUND UTILITIES BY CONTACTING
UTILITY UNDERGROUND SERVICE ALERT AT 1-800-227-2600



Tributary
LA, Inc.

2725 Jefferson Street, Suite 14
Carlsbad, CA 92008

760.438.3304 office

| | |
|-----------|-----------|
| DATE: | 05 Jan 24 |
| SCALE: | N / A |
| JOB NO. | 19.027 |
| DRAWN BY: | KK |
| W.O. NO. | OR- |

| | | | | | | | | | | | | | | | |
|---------------------|--|----------------------|--------------------|-----------|------|-------|---|------------|---------|-------------------------------------|------------|------------|---|--|----------------|
| CONSTRUCTION RECORD | | REFERENCES | BY | REVISIONS | Date | App'd | BENCH MARK | SCALE | Office | Designed By | Drawn By | Checked By | CITY OF CHULA VISTA | | DWG NO. |
| Contractor | | CV DWG: 14011, 14012 | HALE ENGINEERING | | | | DESCRIPTION: CITY OF CHULA VISTA BENCH MARK NO. 5072 ELEVATION 446.91 NAVD 89 | Horizontal | | KK/TP | KK/KF | TP | OTAY RANCH VILLAGE 8 WEST - CENTRAL SQUARE PARK | | LS-3 |
| Inspector | | CV DWG: 20033 | TRIBUTARY LA, INC. | | | | DESCRIPTION: 3" BRASS DISK @ 543241 WELL MON @ CLINT. RUTGERS & OTAY LAKES. P.I. NO. 5072 PER ROD 14841 | N / A | Field | Plans Prepared Under Supervision Of | | | ACCESSIBILITY DETAILS | | |
| Date Completed | | | | | | | | Vertical | Traffic | THOMAS A. PICARD | Date | | CHULA VISTA TENTATIVE TRACT MAP NO. 19-03 | | Sheet 04 of 55 |
| | | | | | | | | N / A | | | R.L.A. No. | 4001 | | | |

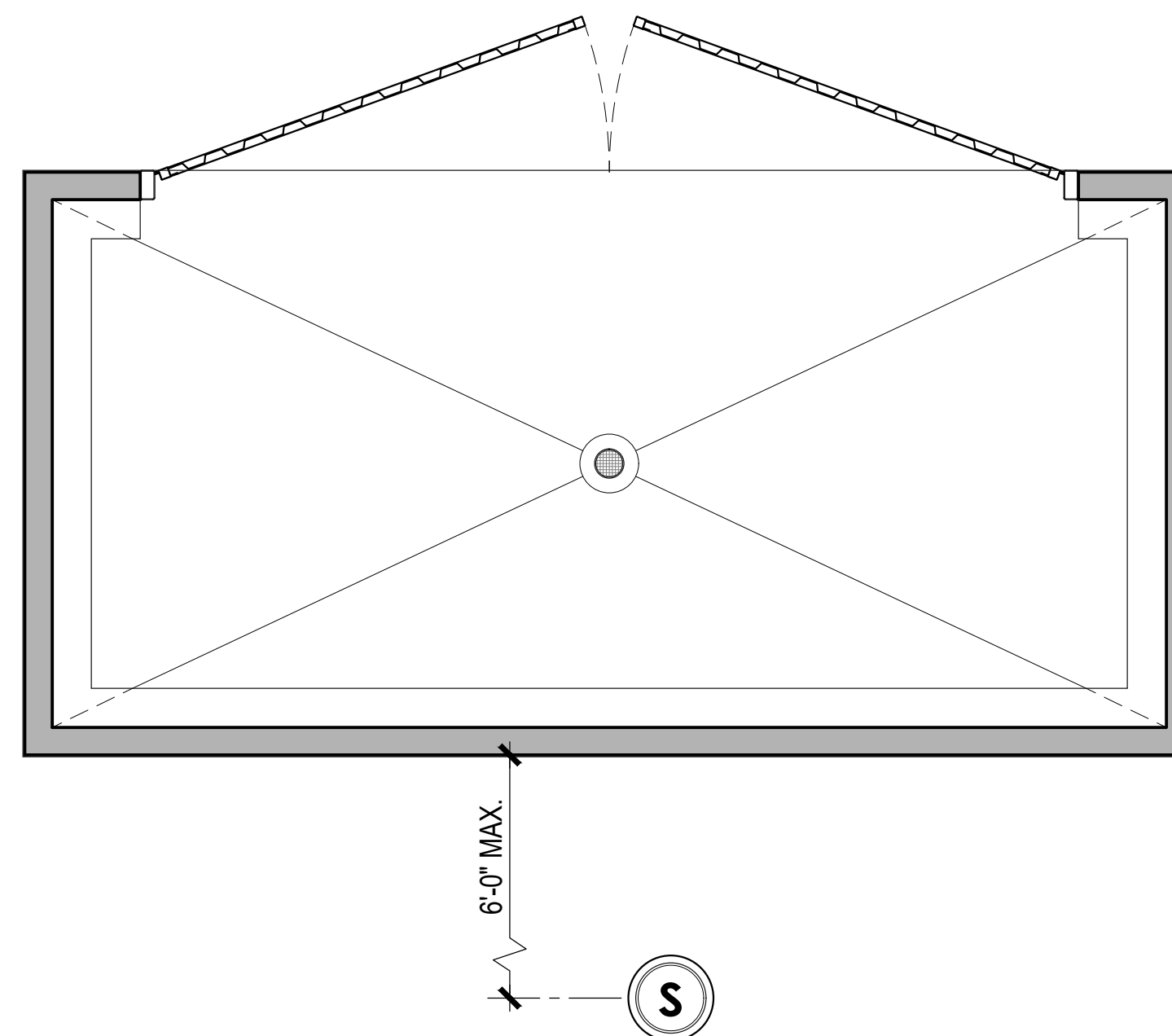
Trash Enclosure Building

OTAY RANCH VILLAGE 8

Chula Vista, CA

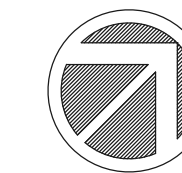
CODE COMPLIANCE

| | |
|----------------------------------|--|
| APPLICABLE CODES: | <ul style="list-style-type: none"> 2022 CALIFORNIA BUILDING CODE 2022 CALIFORNIA PLUMBING CODE |
| OCCUPANCY & USE: | U |
| TYPE OF CONSTRUCTION: | V-B |
| FIRE SPRINKLERS: | NO |
| FIRE SEPARATION DISTANCE: | 10' OR GREATER ON ALL SIDES |
| HEIGHT & STORIES: | |
| BUILDING HEIGHT | 11'-11" (40'-0" ALLOWED) |
| NUMBER OF STORIES | 1 STORY (1 STORY ALLOWED) |
| BUILDING AREA: | 200 s.f. (5,500 ALLOWED) |
| PRC JOB NUMBER: | 11385B |
| BUILDING MODEL NUMBER: | TE |
| NUMBER OF BUILDING MODS: | 1 |



Utility Location

NOTE: FINAL LOCATIONS OF P.O.C. TO BE COORDINATED WITH P.R.C. AND TO BE CONFIRMED ON SITE. UTILITY BOXES TO BE PROVIDED BY OTHERS.



PROJECT INFORMATION

SITE ADDRESS: OTAY RANCH VILLAGE 8 - La Media North & Main Street West, Chula Vista, CA 91911

PROJECT OWNER:
HOMEFED CORPORATION
 1903 Wright Place #220
 Carlsbad, CA 92008
 CONTACT: Don Ross
 POSITION: Project Manager
 PHONE: (760) 219-1159
 EMAIL: dross@hfc-ca.com

STRUCTURAL ENGINEER:
R & S TAVARES ASSOCIATES
 11590 W. Bernardo Court, Suite 100
 San Diego, CA 92127
 CONTACT: Mariana Cardoso
 POSITION: Controller
 PHONE: (858) 444-3344
 EMAIL: mariana@rstavares.com

DESIGNER / DEALER:
PUBLIC RESTROOM COMPANY
 2587 Business Parkway
 Minden, NV 89423
 CONTACT: Chad Kaufman
 PHONE: (888) 888-2060
 FAX: (888) 888-1448
 E-MAIL: chad@publicrestroomcompany.com

CONSULTANT - LANDSCAPE ARCHITECT:
TRIBUTARY LA, INC.
 2725 Jefferson Street - Suite 14
 Carlsbad, CA 92008
 CONTACT: Kari Kiehnau
 POSITION: Architect
 PHONE: (608) 513-2903
 E-MAIL: kari@trib-la.com

DRAWING INDEX

| SHEETS | | PRC PLAN REVIEW - 03/14/2023 | PRC PLAN REVIEW - 03/20/2023 | STRUCTURAL REVIEW - 03/22/2023 | CONSTRUCTION DOCUMENTS - 05/23/2023 |
|--------|--|------------------------------|------------------------------|--------------------------------|-------------------------------------|
| T-1 | TITLE SHEET | ● | ● | ● | ● |
| A-1 | FLOOR PLAN, EXTERIOR ELEVATIONS & SCHEDULES | ● | ● | ● | ● |
| A-2 | CAP BEAM & ROOF FRAMING PLANS, BUILDING SECTIONS | ● | ● | ● | ● |
| P-1 | PLUMBING PLANS, SCHEDULES & DETAILS | ● | ● | ● | ● |
| S-1 | CONCRETE SLAB PLAN & DETAILS | ● | ● | ● | ● |

GENERAL NOTES

- THE STRUCTURAL DESIGN DETAILS HEREIN ARE SPECIFIC TO THE BUILDING SIZE AND MODULE CONFIGURATION SHOWN ON THE FLOOR PLAN OF THESE DRAWINGS.
 - LOCATION OF THIS BUILDING SHALL MEET REQUIRED PROPERTY CODE SETBACKS PER LOCAL JURISDICTION.
 - ACCESSIBILITY TO THIS STRUCTURE SHALL BE IN CONFORMANCE WITH LOCAL CODE INCLUDING ALL PATHWAYS, RAMPS AND PATHS OF TRAVEL FROM PARKING TO THE BUILDING.
 - SOIL BEARING REQUIREMENT IS 1500 PSF. SUB GRADE COMPACTION AT 90%. SITE BUILDING PAD PREPARATION BY OTHERS.
 - ALL DIMENSIONS HEREIN ARE NOMINAL AND SUBJECT TO CHANGE AS LONG AS THEY DO NOT VIOLATE CODE.
 - THIS BUILDING IS NOT DESIGNED TO BE LOCATED IN A WUI (WILDLAND URBAN INTERFACE) FIRE AREA.
 - ALL WORK REQUIRED TO BE COMPLETED ON SITE SUBJECT TO LOCAL REVIEW, APPROVAL AND INSPECTION BY LOCAL AHJ. OWNER / GENERAL CONTRACTOR RESPONSIBLE FOR ALL INSPECTIONS.
 - SITE CONCRETE FOUNDATION (IF APPLICABLE)
 - COMPACTED BUILDING PAD
 - UNDER SLAB UTILITY PIPING (SEE NOTE)
 - SEWER (DWV) CONNECTION
 - CONCRETE WALKWAY COMPLIANT WITH PATH OF TRAVEL FROM ACCESSIBLE PARKING
- NOTE: PUBLIC RESTROOM COMPANY WILL ONLY FURNISH AND INSTALL UNDERGROUND UTILITIES (UNDER SLAB) EXTENDING 6 FEET (MAX.) BEYOND THE BUILDING LINE. MIN. OF 24" - MAX. OF 36" BELOW GRADE - U.N.O. ALL UTILITY BOXES TO BE PROVIDED BY OTHERS.
- SITE INSTALLATION DETAILS ARE NOTED ON SHEETS S-1 FOR STRUCTURAL CONNECTIONS, A-2 FOR WEATHERIZATION FINISH, P-1 FOR PLUMBING CONNECTIONS & E-1 FOR ELECTRICAL CONNECTIONS IN ACCORDANCE W/ SECTION 4368.
 - SERVICE HOOKUPS (PLUMBING CONNECTIONS).
 - PATCH AND FINISH AT CRANE PICK LOCATIONS AS NEEDED.
 - INSTALL AND CONNECT FLOOR DRAIN.
 - PATCH CONCRETE @ FLOOR DRAIN.

DESIGN LOADS

| STRUCTURAL DESIGN CRITERIA | | | | |
|----------------------------|---------------------------------------|----------|--|----------|
| GRAVITY LOADS | FLOOR LIVE | 100 psf | SEISMIC DESIGN CATEGORY | D |
| | FLOOR DEAD | 100 psf | SITE CLASS | D |
| | ROOF LIVE | 20 psf | IMPORTANCE FACTOR | 1.0 |
| | ROOF DEAD | 10 psf | RISK CATEGORY | II |
| | EXTERIOR WALL DEAD | 50 psf | MAPPED ACCELERATIONS | |
| | | | S _s | 0.771 |
| SNOW | GROUND SNOW, P _g | 0 psf | S ₁ | 0.279 |
| | FLAT-ROOF SNOW, P _f | 0 psf | SPECTRAL RESPONSE | |
| | IMPORTANCE FACTOR, I _s | 1.00 | S _{DS} | 0.617 |
| | EXPOSURE FACTOR, C _e | 1.00 | S _{D1} | 0.380 |
| | THERMAL FACTOR, C _t | 1.00 | SEISMIC FORCE RESISTING SYSTEM | A7 |
| | | | DESIGN BASE SHEAR | 0.123W |
| WIND | ULTIMATE WIND SPEED, V _{ult} | 97 mph | RESPONSE MODIFICATION FACTOR | 5.0 |
| | EXPOSURE CATEGORY | C | ANALYSIS PROCEDURE | ASCE7-16 |
| | RISK CATEGORY | II | FLOOD | |
| | INTERNAL PRESSURE, G _{spi} | +/- 0.18 | BUILDING SHALL NOT BE LOCATED, IN WHOLE OR IN PART, IN A FLOOD HAZARD AREA AS ESTABLISHED BY THE AUTHORITY HAVING JURISDICTION UNLESS SET ON A FOUNDATION DESIGNED IN ACCORDANCE WITH ASCE/SEI 25. THE FLOOD RESISTANT FOUNDATION SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL AND CONSTRUCTED TO RESIST ALL FLOOD LOADS WITHOUT TRANSFERRING LOADS TO THE MODULAR STRUCTURE. | |
| | MEAN ROOF HEIGHT | 15 Ft | | |
| | | | | |

| COMPONENTS & CLADDING WIND LOADS | | |
|----------------------------------|----------------|---------------------|
| COMPONENT | END ZONE (psf) | INTERIOR ZONE (psf) |
| WINDOWS & SIDING | +25.1 / -25.1 | +20.4 / -20.4 |
| DOORS | +25.1 / -25.1 | +20.4 / -20.4 |
| ROOF CLADDING | +55.3 / -55.3 | +37.9 / -37.9 |
| ROOF OVERHANGS | +65.8 / -65.8 | +55.3 / -55.3 |

APPROVED
 BY RADCO A CA
 Department of Housing
 and Community
 Development approved
 third party design
 approval agency
 Approval Date: 5/24/2023
 Expiration Date: 8/31/2024
 APPROVAL NO.
 591-1255

STRUCTURAL ONLY
 This certification is for the structural design only. All other matters of code compliance including but not limited to electrical, plumbing, fire, mechanical, and others are the responsibility of others.



RST#23059-01
 05/24/2023

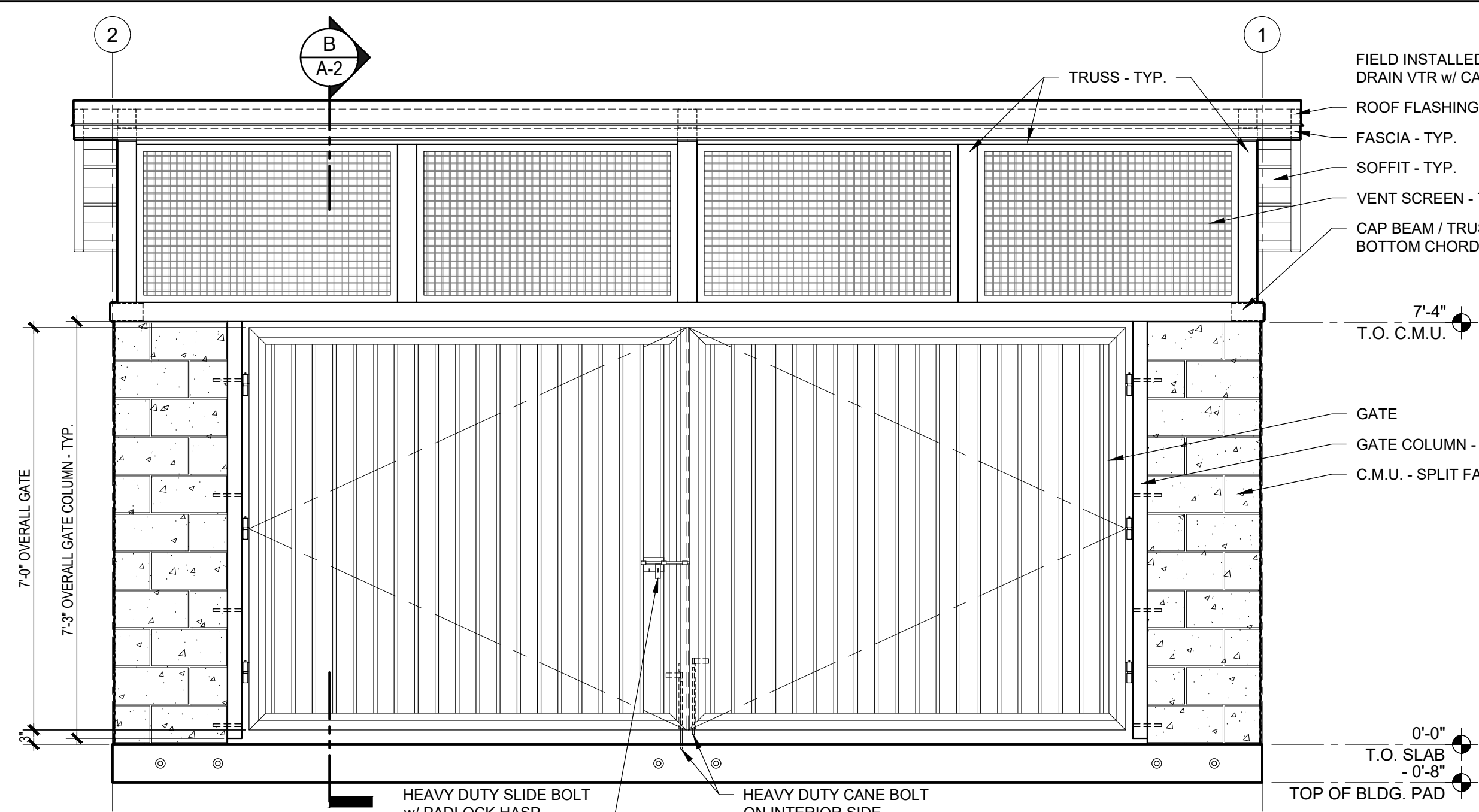
DO NOT SCALE - DIMENSIONS PRESIDE
 24x36 SHEET - SCALE AS NOTED
 11x17 SHEET - NTS

| | | | | | | | | | |
|-----|-------------|------|---|--|---|--|--|------------------------------------|---|
| No. | Description | Date | CONSTRUCTION DOCUMENTS 05/23/2023 | COPYRIGHT 2023, PUBLIC RESTROOM COMPANY THIS MATERIAL IS THE EXCLUSIVE PROPERTY OF PUBLIC RESTROOM COMPANY AND SHALL NOT BE REPRODUCED, USED, OR DISCLOSED TO OTHERS EXCEPT AS AUTHORIZED BY THE WRITTEN PERMISSION OF PUBLIC RESTROOM COMPANY | PUBLIC RESTROOM COMPANY Building Better Places To Go. 2587 Business Pkwy, Minden, NV 89423 Ph: 888-888-2060 Fax: 888-888-1448 | PROJECT OWNER: HOMEFED CORPORATION Carlsbad, CA | PROJECT NAME AND LOCATION: OTAY RANCH VILLAGE 8 Chula Vista, CA | SHEET TITLE: TITLE SHEET | Drawn by: PD Job No. 11385B |
| | | | | | | | | | Checked by: JC / KM |
| | | | | | | | | | Current Date: 05/23/2023 |
| | | | | | | | | | Start Date: 03/02/2023 |
| | | | | | | | | | T-1 |

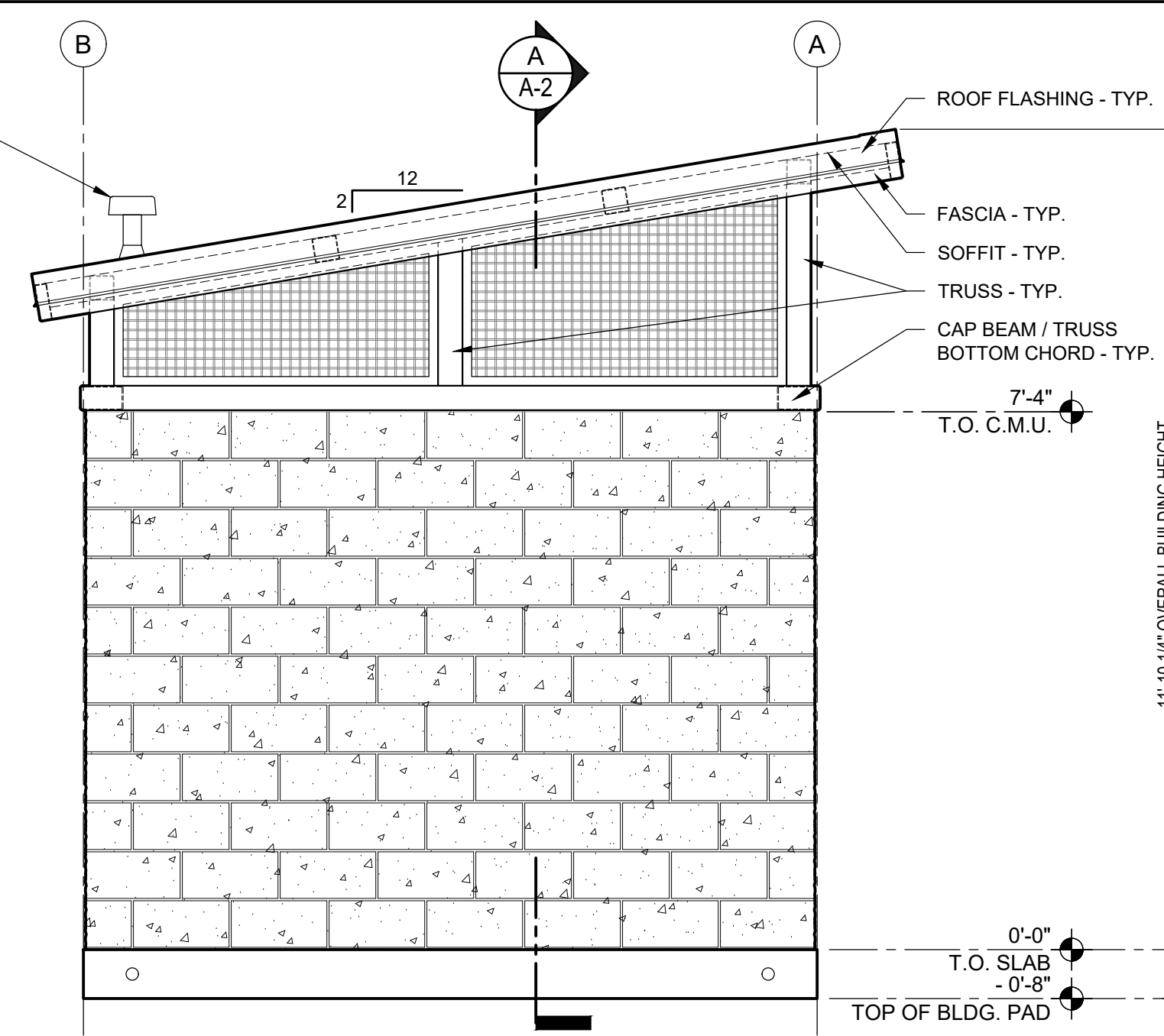
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CONSTRUCTION DOCUMENTS - 05/23/2023

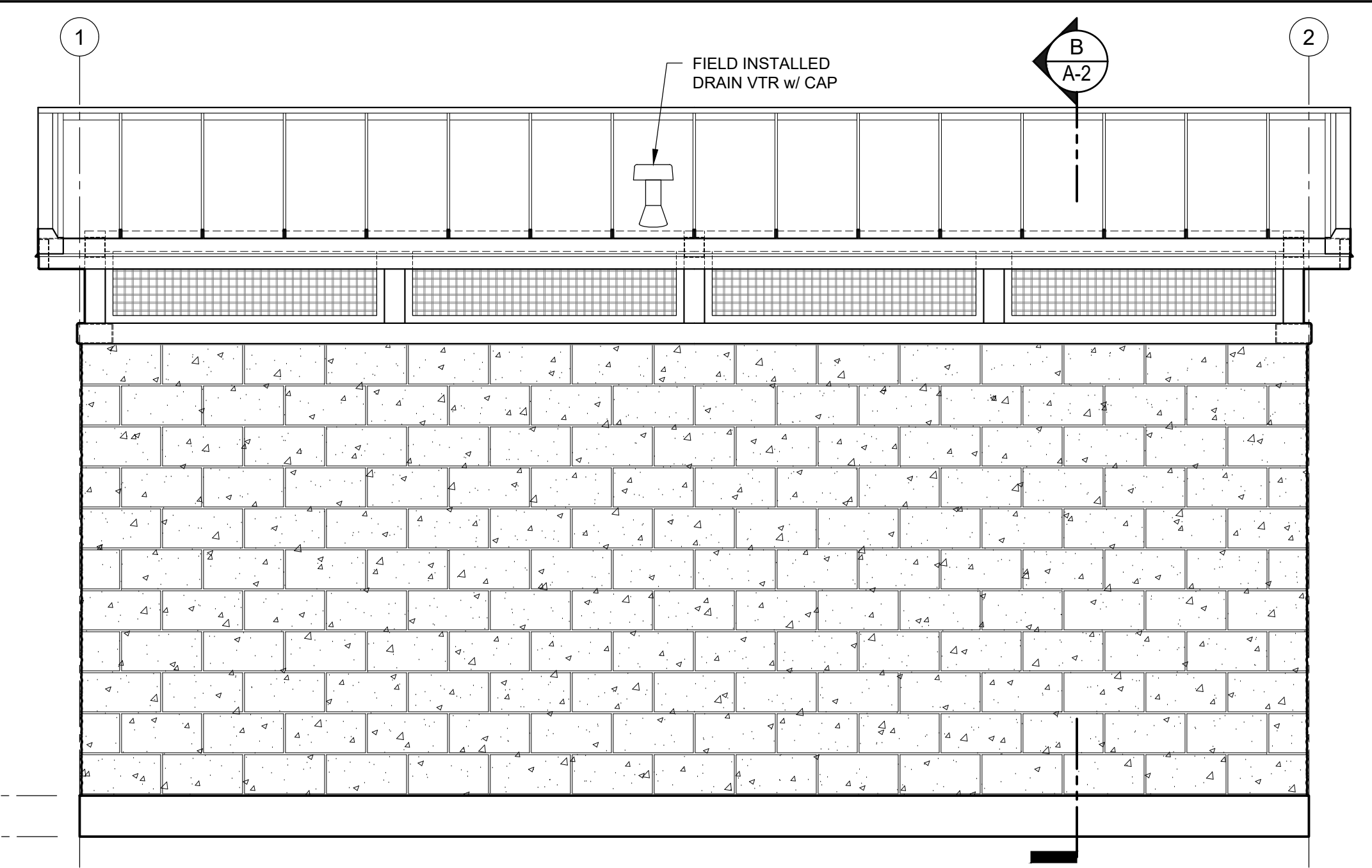
OTAY RANCH VILLAGE 8 - TE BLDG. B - Chula Vista, CA



2 EXTERIOR ELEVATION
SCALE: 1/2"=1'-0"



3 EXTERIOR ELEVATION
SCALE: 1/2"=1'-0"

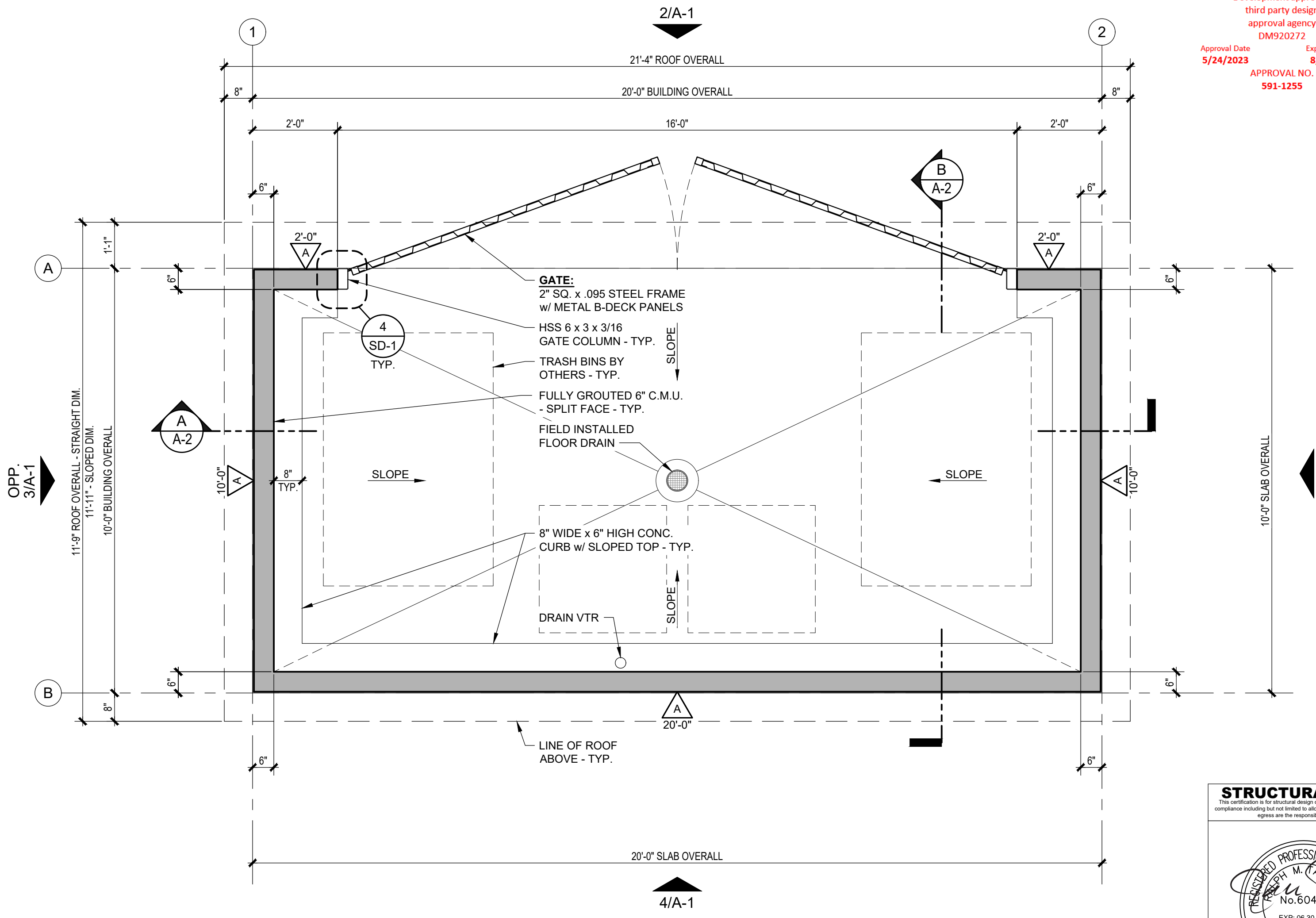


4 EXTERIOR ELEVATION
SCALE: 1/2"=1'-0"

| EXTERIOR FINISH SCHEDULE | | | | |
|--------------------------|---|------------------------|--|--|
| TYPE | DESCRIPTION | FINISH | BRAND / COLOR | NOTES |
| TO CAP BEAM | | | | |
| C.M.U. | SPLIT FACE | PAINTED | PITTSBURGH PITT-TECH / HALF DOME - PPG 0994-3 | 2 COATS BLOCK FILLER, 2 COATS FINISH - GLOSS |
| CAP BEAM | STEEL | PAINTED | PITTSBURGH PITT-TECH / PENCILPOINT - PPG 0994-7 | 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |
| GATE | STEEL FRAME & METAL B-DECK | PAINTED | PITTSBURGH PITT-TECH / PENCILPOINT - PPG 0994-7 | 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |
| ABOVE CAP BEAM | | | | |
| TRUSSES | STEEL | PAINTED | PITTSBURGH PITT-TECH / PENCILPOINT - PPG 0994-7 | 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |
| VENT SCREENS | FRAME - 1 1/2" x 1 1/2" 1/8" STEEL ANGLE BAR WIRE MESH - 1" x 1" x 3/16" STAINLESS STEEL | PAINTED NATURAL | PITTSBURGH PITT-TECH / PENCILPOINT - PPG 0994-7 | 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |
| ROOF | | | | |
| ROOFING | 24 GA. 16" STRIATED STANDING SEAM METAL ROOF PANELS | PREFINISHED | METAL SALES - VERTICAL SEAM / SLATE GRAY (W38) | - |
| ROOF FLASHINGS | 24 GA. METAL | PREFINISHED | METAL SALES - VERTICAL SEAM / MATCH ROOF COLOR | - |
| FASCIA | STEEL | PAINTED | PITTSBURGH PITT-TECH / PENCILPOINT - PPG 0994-7 | 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |
| SOFFITS | UNDERSIDE OF METAL ROOF PANELS STEEL ROOF MEMBERS | PREFINISHED PAINTED | METAL SALES / WHITE PITTSBURGH PITT-TECH / PENCILPOINT - PPG 0994-7 | 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |

| STRUCTURAL DESIGN | | | |
|--|--|---|---|
| COMPONENT | DESCRIPTION | SPECIFIC MATERIAL LIST | NOTES |
| SLAB | | | |
| PERIMETER FRAMEWORK | STRUCTURAL STEEL | L 6"x6"x5/16" | |
| REINFORCEMENT | REBAR MAT DESIGN | #4 MIN. GRADE 60 TOP: 8" O.C. EACH WAY - BOT: 16" O.C. EACH WAY | |
| CONCRETE | 8" MAT DESIGN | DESIGN BASIS IS MIN. 2500 PSI | NOTE #1 |
| REBAR CONNECTION TO CONCRETE SLAB | STARTER BARS CONNECTION TO CONCRETE SLAB SHALL BE WITH 2 PART EPOXY w/ 5" MIN. EMBED DEPTH | RED HEAD A7+ EPOXY (OR EQUAL) | USE OF ADHESIVE ANCHORAGE SYSTEM BY PROVISIONS OF CODE REPORT ESR-3903 AND MANUFACTURER RECOMMENDATIONS |
| WALLS | | | |
| FRAMING (EXT.) | | | |
| TO CAP BEAM | C.M.U. BLOCK | 6 x 8 x 16 CONCRETE BLOCK. GROUT EVERY CELL w/ TYPE 'S' | USE TYPE 'S' FINE GROUT. FINE GROUT. REINFORCING: HORIZONTAL - (2) 9 GA WIRES @ 8" O.C. (EVERY COURSE) VERTICAL - #4 REBAR @ 8" O.C. (EVERY CELL) |
| CAP BEAM | STEEL | HSS 7 x 4 x 3/16 (A1085 / A 500 Grade B) | |
| ROOF | | | |
| TRUSSES | STEEL | HSS SIZES PER DETAILS (A1085 / A 500 Grade B) | |
| PURLINS | STEEL | HSS 4 x 4 x 1/8 (A1085 / A 500 Grade B) | |
| FASCIA | STEEL | HSS 6 x 2 x 1/8 (A1085 / A 500 Grade B) | |
| ROOFING | METAL | 24 GA. STANDING SEAM METAL ROOF PANELS | |
| NOTES: 1. INTEGRAL ADDITIVES FOR MOISTURE, STAINING & CORROSION RESISTANCE. | | | |

| C.M.U. SHEAR WALL SCHEDULE | | | |
|----------------------------|--------------------------|--|------------------|
| MARK | BLOCK | REINFORCEMENT | CAP BEAM |
| A | 6 x 8 x 16 FULLY GROUTED | HORIZONTAL - (2) 9 GA WIRES @ 8" O.C. (EVERY COURSE) VERTICAL - #4 REBAR @ 8" O.C. (EVERY CELL) | HSS 7 x 4 x 3/16 |



1 FLOOR PLAN
SCALE: 1/2"=1'-0"

APPROVED BY RADCO a CA Department of Housing and Community Development approved third party design approval agency DM920272
Approval Date: 5/24/2023 Expiration Date: 8/31/2024
APPROVAL NO. 591-1255

STRUCTURAL ONLY
This certificate is for structural design only. All other matters of code compliance including but not limited to electrical, plumbing, mechanical and fire are the responsibility of others.
PROFESSIONAL ENGINEER
M. A. PROBERT
No. 60484
EXP. 06/30/2024
CIVIL
STATE OF CALIFORNIA
RST#23059-01
05/24/2023

| No. | Description | Date |
|-----|-------------|------|
| | | |

CONSTRUCTION DOCUMENTS
05/23/2023

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PUBLIC RESTROOM COMPANY
Building Better Places To Go.
2501 Business Pkwy, Minden, NV 89423
Ph: 888-888-2060 | Fax: 888-888-1448

PROJECT OWNER:
HOMEFED CORPORATION
Carlsbad, CA

PROJECT NAME AND LOCATION:
OTAY RANCH VILLAGE 8
Chula Vista, CA

SHEET TITLE:
FLOOR PLAN, EXTERIOR ELEVATIONS & SCHEDULES

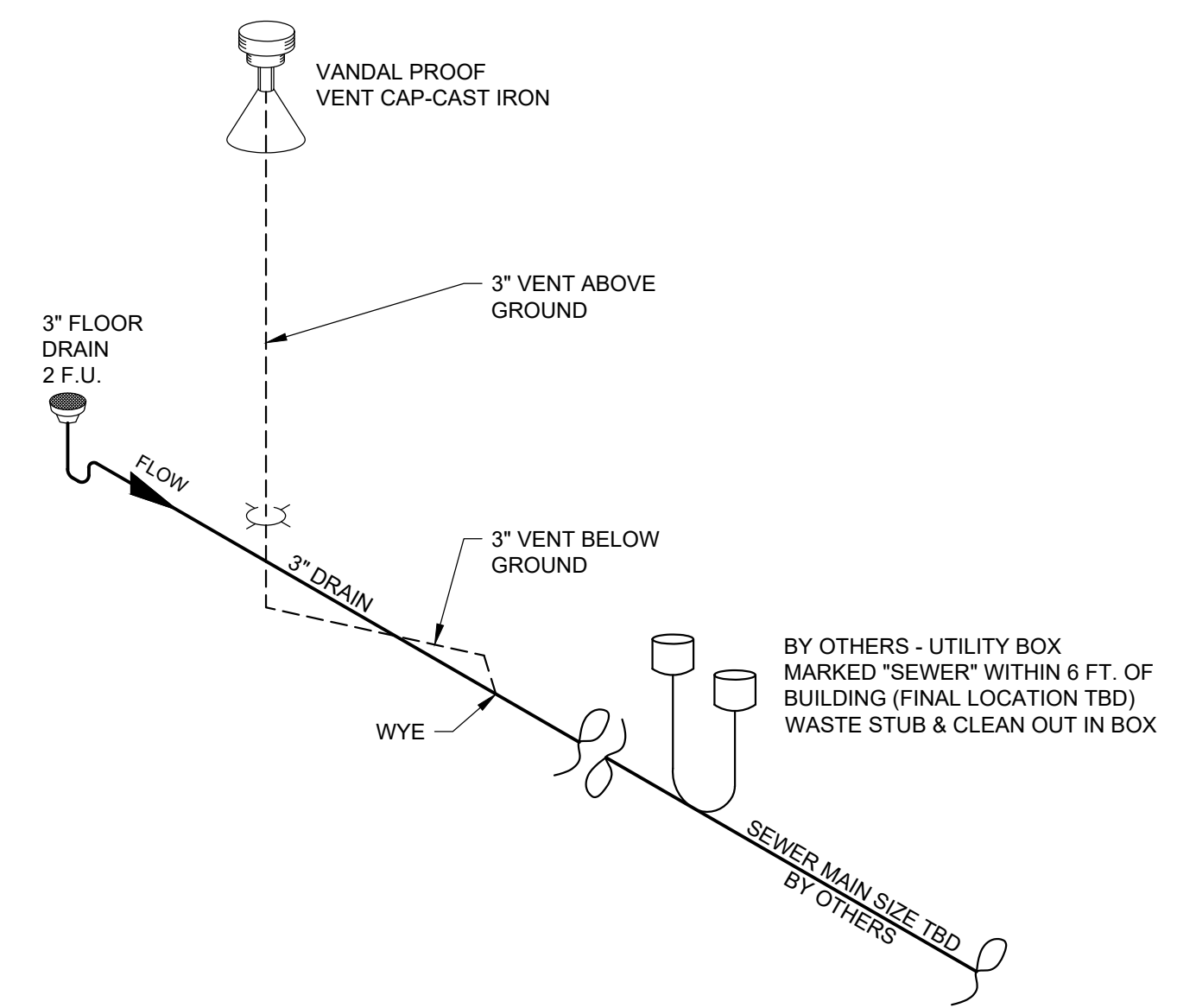
Drawn by: PD Job No. 11385B
Checked by: JC / KM
Current Date: 05/23/2023
Start Date: 03/02/2023
A-1

CONSTRUCTION DOCUMENTS - 05/23/2023
OTAY RANCH VILLAGE 8 - TE BLDG. B - Chula Vista, CA

| PLUMBING COMPONENTS SCHEDULE | | | |
|------------------------------|------------------|--------------------|-------|
| QTY. | COMPONENT | DESCRIPTION | PRC # |
| 1 | FLOOR DRAIN - 3" | ZURN ZN415B-3-NH-Y | K1703 |
| 1 | VENT CAP | JAY R SMITH 1748 | K1582 |

| PIPE SCHEDULE | PIPE MATERIAL | | | |
|-------------------|---------------------|--------------------|-------------------|-------------------|
| | SCHED. 40 PVC WATER | CAST IRON "NO HUB" | SCHED. 40 PVC DWV | SCHED. 40 ABS DWV |
| TYPE OF SERVICE | | | | |
| SANITARY DRAINAGE | BELOW GROUND | | | |
| | ABOVE GROUND | | | |
| SANITARY VENT | BELOW GROUND | | | |
| | ABOVE GROUND | | | |
| | ABOVE ROOF | | | |

LEGEND:
 - - - - - VENT PIPE
 _____ WASTE PIPE

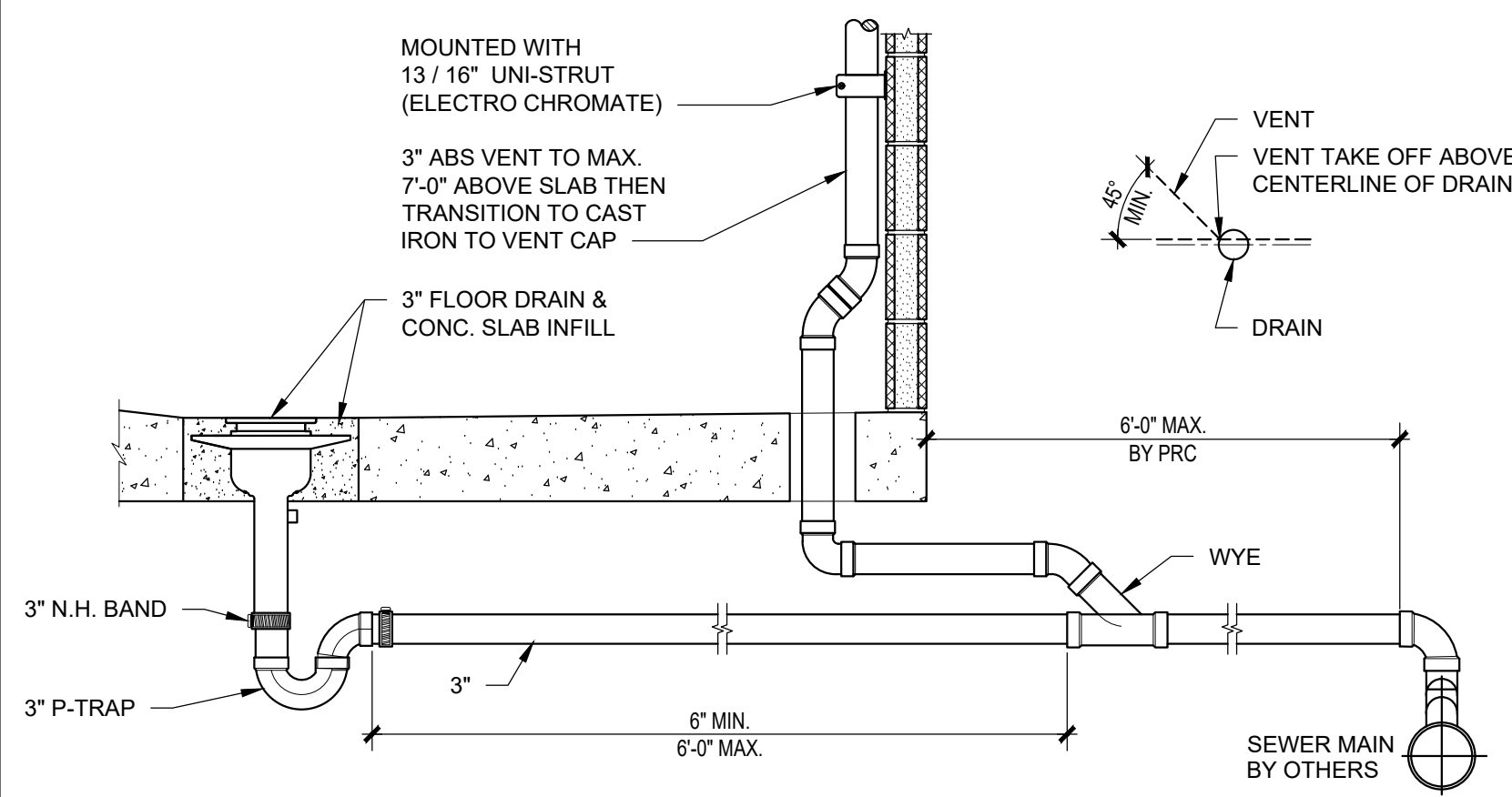


GENERAL NOTES:

- SIZED TO 2022 CALIFORNIA PLUMBING CODE
- CONTINUATION OF WASTE TO MAIN SEWER TO BE DONE ON SITE BY OTHERS.
- SLOPE ALL D.W.V. PIPING 1/4" NOM. DRAIN LINE TO BE SLOPED TO MAIN SEWER LINE.

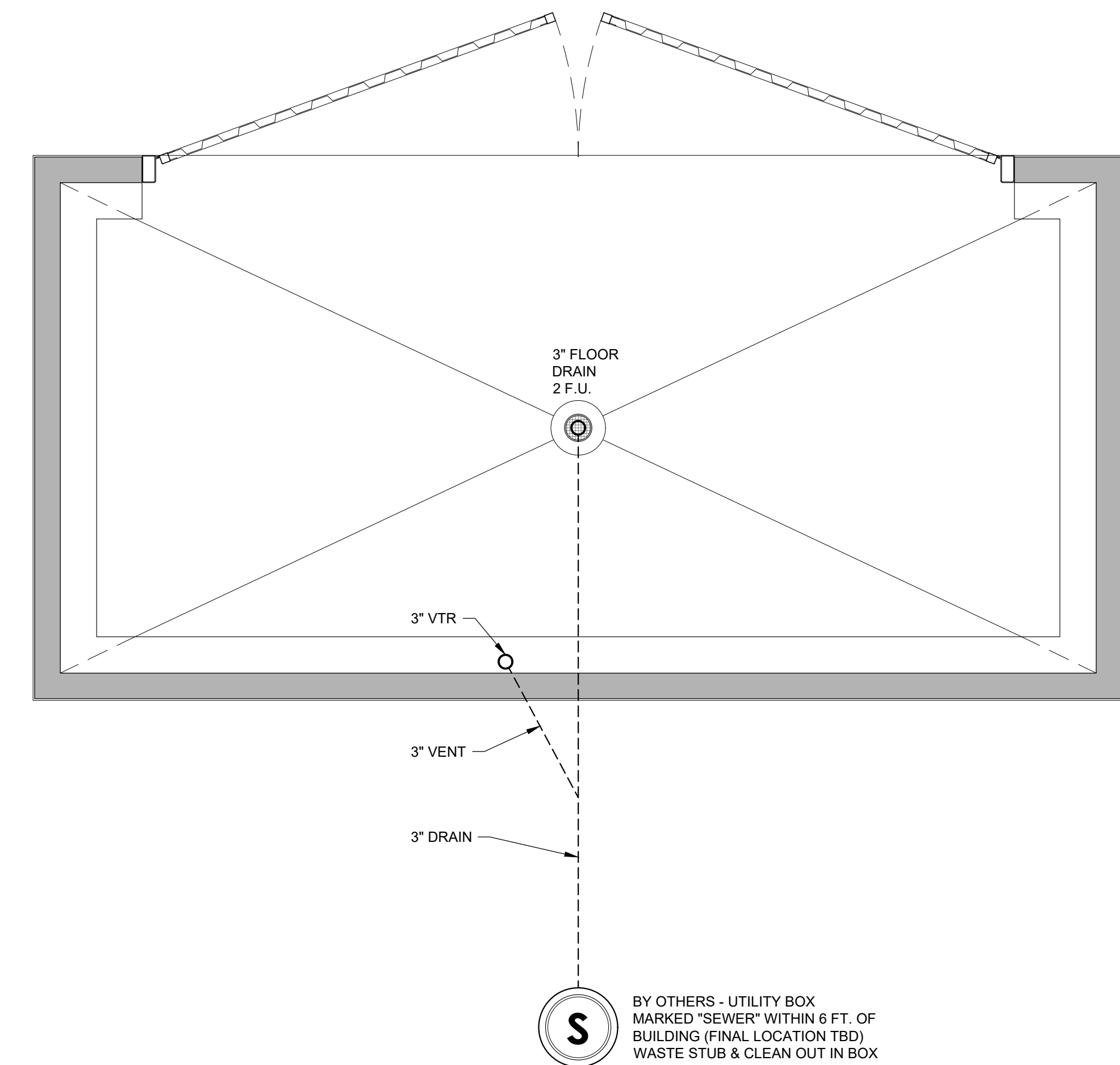
NOTE:
 FINAL LOCATION OF SEWER CONNECTION TO BE DETERMINED BASED ON SITE UTILITY LOCATION PROVIDED BY OWNER / GENERAL CONTRACTOR

2 WASTE & VENT PIPING ISOMETRIC
 P-1 SCALE: NOT TO SCALE



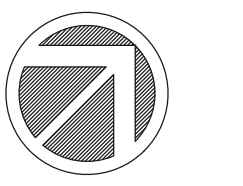
FIELD INSTALLED FLOOR DRAIN DETAIL

LEGEND:
 - - - - - WASTE & VENT PIPE - BELOW GROUND



1 PLUMBING PLAN - WASTE
 P-1 SCALE: 1/2"=1'-0"

APPROVED
 BY RADCO A CA
 Department of Housing
 And Community
 Development approved
 third party design
 approval agency
 Approval Date: 5/24/2023 Expiration Date: 8/31/2024
 APPROVAL NO.
 591-1255



DO NOT SCALE - DIMENSIONS PRESIDE
 24x36 SHEET - SCALE AS NOTED
 11x17 SHEET - NTS

| No. | Description | Date |
|-----|-------------|------|
| | | |
| | | |

CONSTRUCTION DOCUMENTS
 05/23/2023

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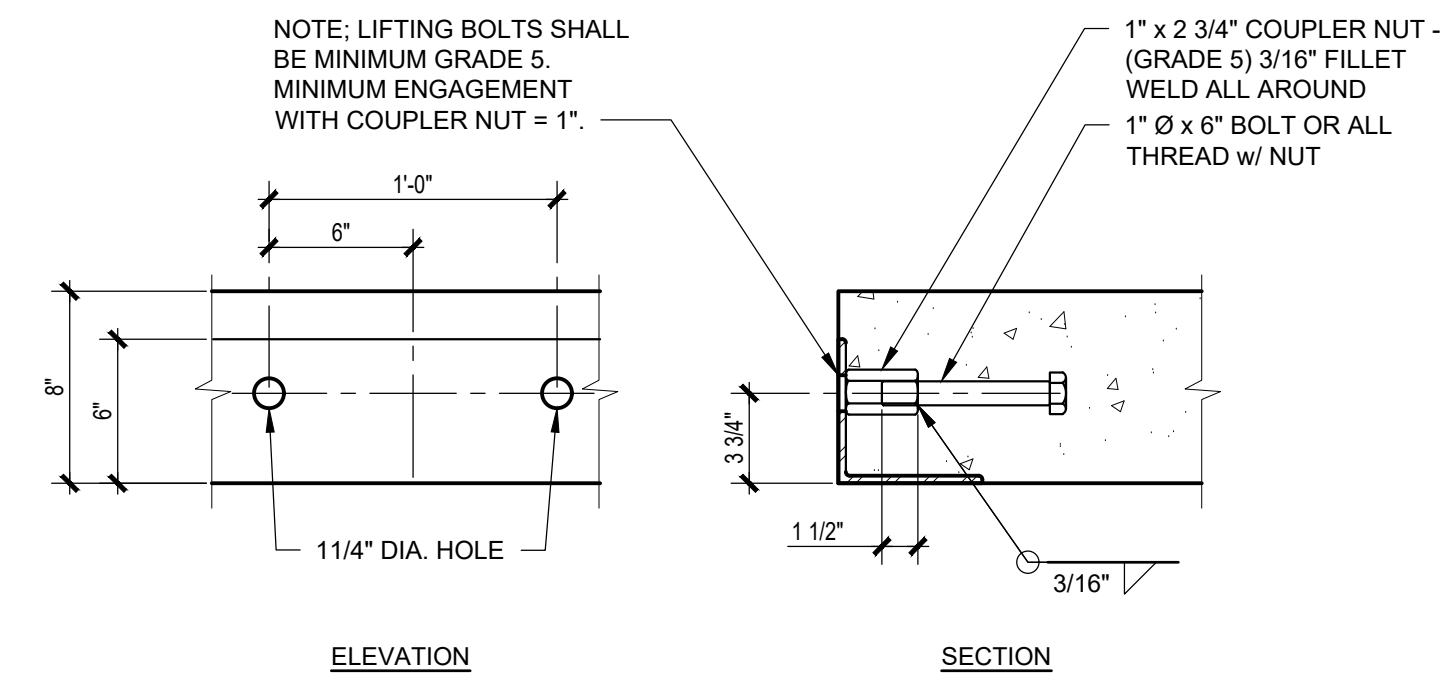
PROJECT OWNER:
HOMEFED CORPORATION
 Carlsbad, CA

PROJECT NAME AND LOCATION:
OTAY RANCH VILLAGE 8
 Chula Vista, CA

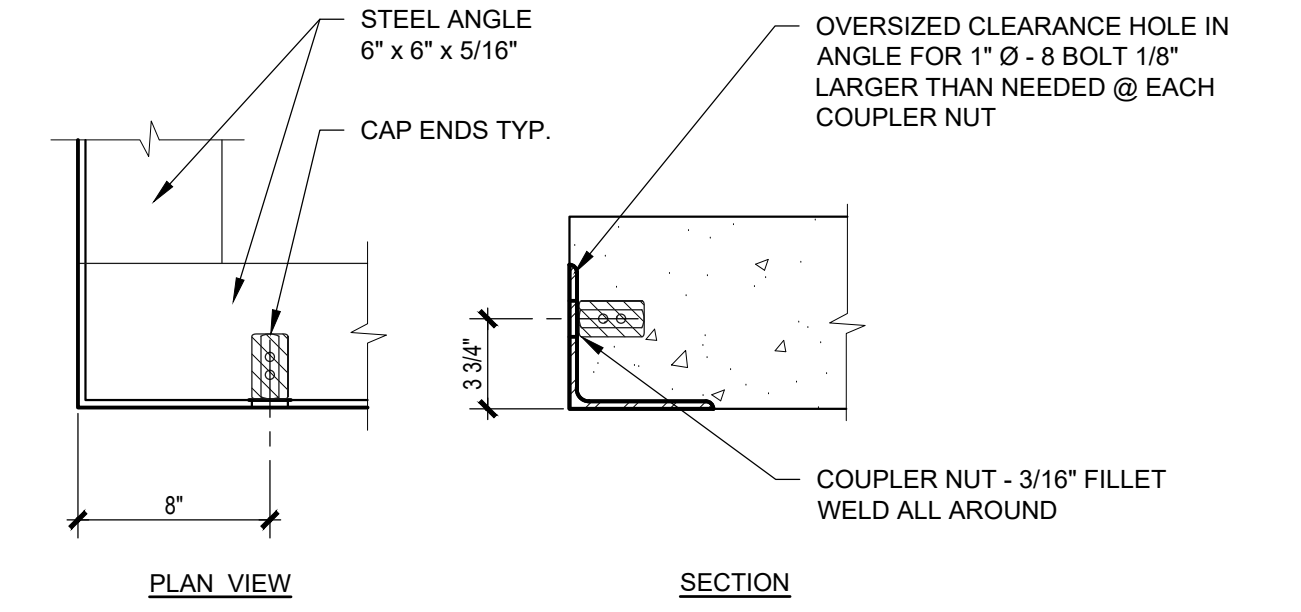
SHEET TITLE:
PLUMBING PLANS, SCHEDULES & DETAILS

| | | |
|---------------|-------------------|-----------------------|
| Drawn by: | PD | Job No. 11385B |
| Checked by: | JC / KM | P-1 |
| Current Date: | 05/23/2023 | |
| Start Date: | 03/02/2023 | |

OTAY RANCH VILLAGE 8 - TE BLDG. B - Chula Vista, CA CONSTRUCTION DOCUMENTS - 05/23/2023

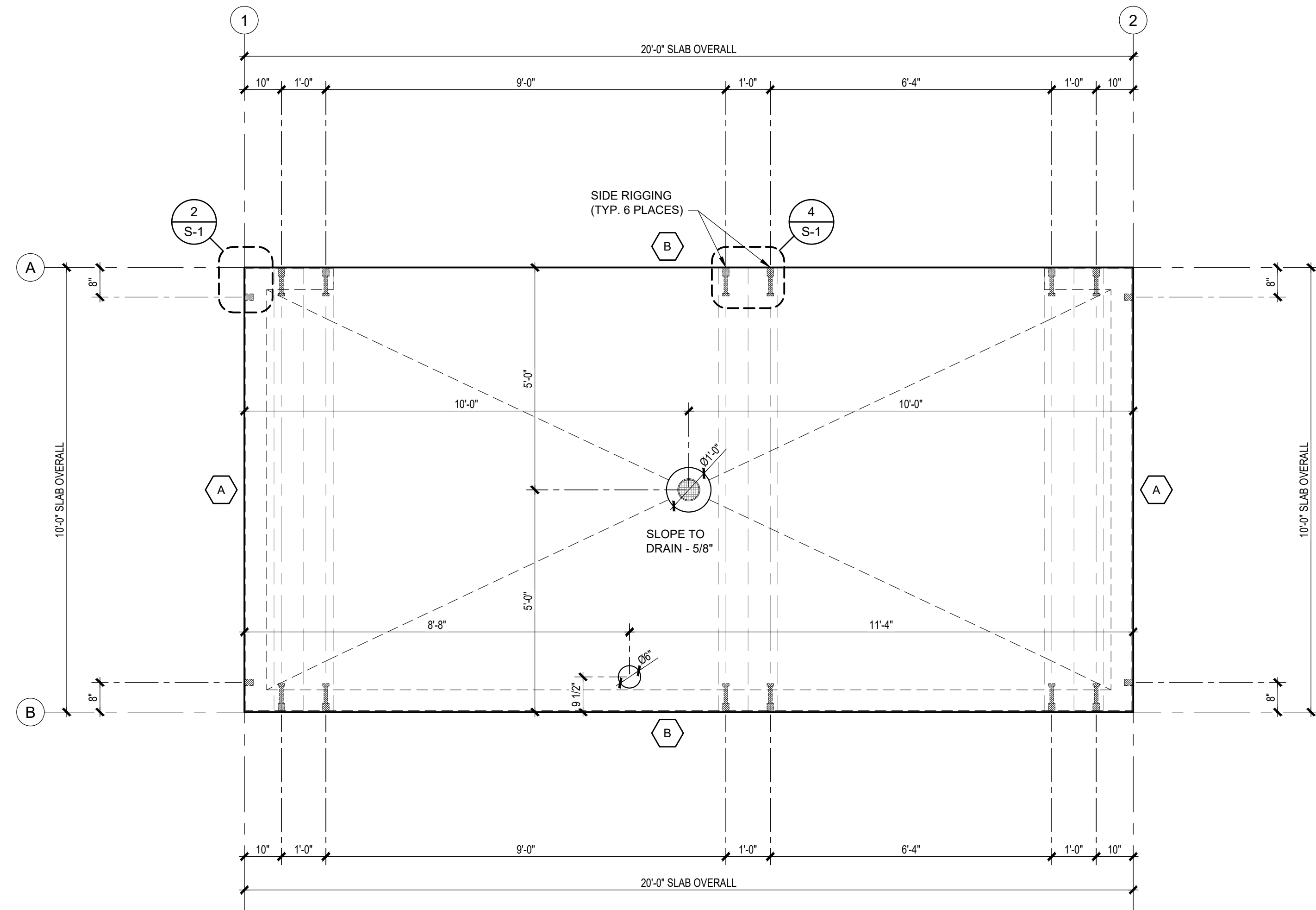


3
S-1
SIDE RIGGING EMBEDDED ANCHOR DET.
SCALE: 1 1/2"=1'-0"



2
S-1
CONCRETE SLAB EXTERIOR
STEEL FRAME @ CORNER DETAIL
SCALE: 1 1/2"=1'-0"

- NOTES: (LIGHT WEIGHT CONCRETE)
- ALL REBAR TO BE GRADE 60.
 - ALL WELDABLE REINFORCEMENTS TO BE ASTM A706.
 - CONCRETE STRENGTH BASIS DESIGN IS MIN. 2500 PSI WITH SPECIAL ADDITIVE.
 - MINIMUM CONCRETE COVER = 1 1/2" FOR #4 AND #5 BARS. TOP BARS MAY BE LOWER ONLY WHERE REQUIRED BY SPECIFIED SLOPES.
 - PROVIDE (2) #5 BARS @ 8" O.C. TOP & BOTTOM AT PERIMETER OF EACH SLAB & PROVIDE (3) #5 BARS @ 8" O.C. TOP & BOTTOM AT EACH LIFTING LOCATION.
 - TOP MAT: ADD TRIMMER BARS NEXT TO BLOCK OUTS IF CLEARANCE TO REGULAR LAYOUT IS GREATER THAN 2". TRIMMER BARS EXTEND 18" PAST OPENING, OR TERMINATE WITH 90° HOOK AND 8" EXTENSION. CENTER OF TRIMMER BARS TO BLOCK OUTS TO BE 2", TYP.
 - PROVIDE (2) DIAGONAL 24" LONG #4 REBARS (1 @ TOP MAT & 1 @ BOTTOM MAT) @ EACH SLAB OPENING.
 - SMALL BLOCK OUTS (8" x 8" MAX.) MAY BE ADDED AS REQUIRED FOR SERVICES. ADD DIAGONAL TRIMMER BARS IF CLEARANCE TO REGULAR LAYOUT IS GREATER THAN 2".
 - SPLICES: #4 BARS - 20" LAP
#5 BARS - 24" LAP
 - PROTECT PIPE & FLOOR DRAINS THAT WILL BE ENCASED IN THE CONCRETE BY PROVIDING AN APPROVED WRAP.
 - ONLY WHERE NOTED, IT IS ACCEPTABLE TO NOTCH HORIZONTAL LEG OF PERIMETER ANGLE.
 - ALL EXPOSED FACES OF SLAB PERIMETER STEEL ANGLES SHALL RECEIVE GALVANIZING PAINT COATING.



1
S-1
CONCRETE SLAB PLAN
SCALE: 1/2"=1'-0"

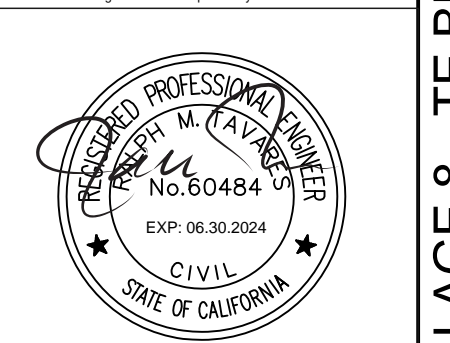
| SLAB LOADS SCHEDULE | | | |
|---------------------|------------------------|---------------|--------------|
| MARK | LOCATION | VERTICAL LOAD | LATERAL LOAD |
| A | WALL LINE (GRID) 1 & 2 | 660 - PLF | 290 - LBF |
| B | WALL LINE (GRID) A & B | 380 - PLF | 330 - LBF |

NOTE: SCHEDULE VALUES PER ASD LOAD COMBINATION

FLOOR FINISH SCHEDULE:
• LIGHT BROOM FINISH - SEALED

APPROVED
BY RADCO a CA
Department of Housing
And Community
Development approved
third party design
approval agency
Approval Date: 5/24/2023
Expiration Date: 8/31/2024
APPROVAL NO.
591-1255

STRUCTURAL ONLY
This certificate is for structural design only. All other matters of code compliance including but not limited to electrical, plumbing, fire, mechanical, and others are the responsibility of others.



RST#23059-01
05/24/2023

DO NOT SCALE - DIMENSIONS PRESIDE
24x36 SHEET - SCALE AS NOTED
11x17 SHEET - NTS

| No. | Description | Date |
|-----|-------------|------|
| | | |

CONSTRUCTION DOCUMENTS
05/23/2023

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PROJECT OWNER:
HOMEFED CORPORATION
Carlsbad, CA

PROJECT NAME AND LOCATION:
OTAY RANCH VILLAGE 8
Chula Vista, CA

SHEET TITLE:
CONCRETE SLAB PLAN &
DETAILS

Drawn by: PD Job No. 11385B
Checked by: JC / KM
Current Date: 05/23/2023
Start Date: 03/02/2023
S-1

Restroom / Storage Building

OTAY RANCH VILLAGE 8

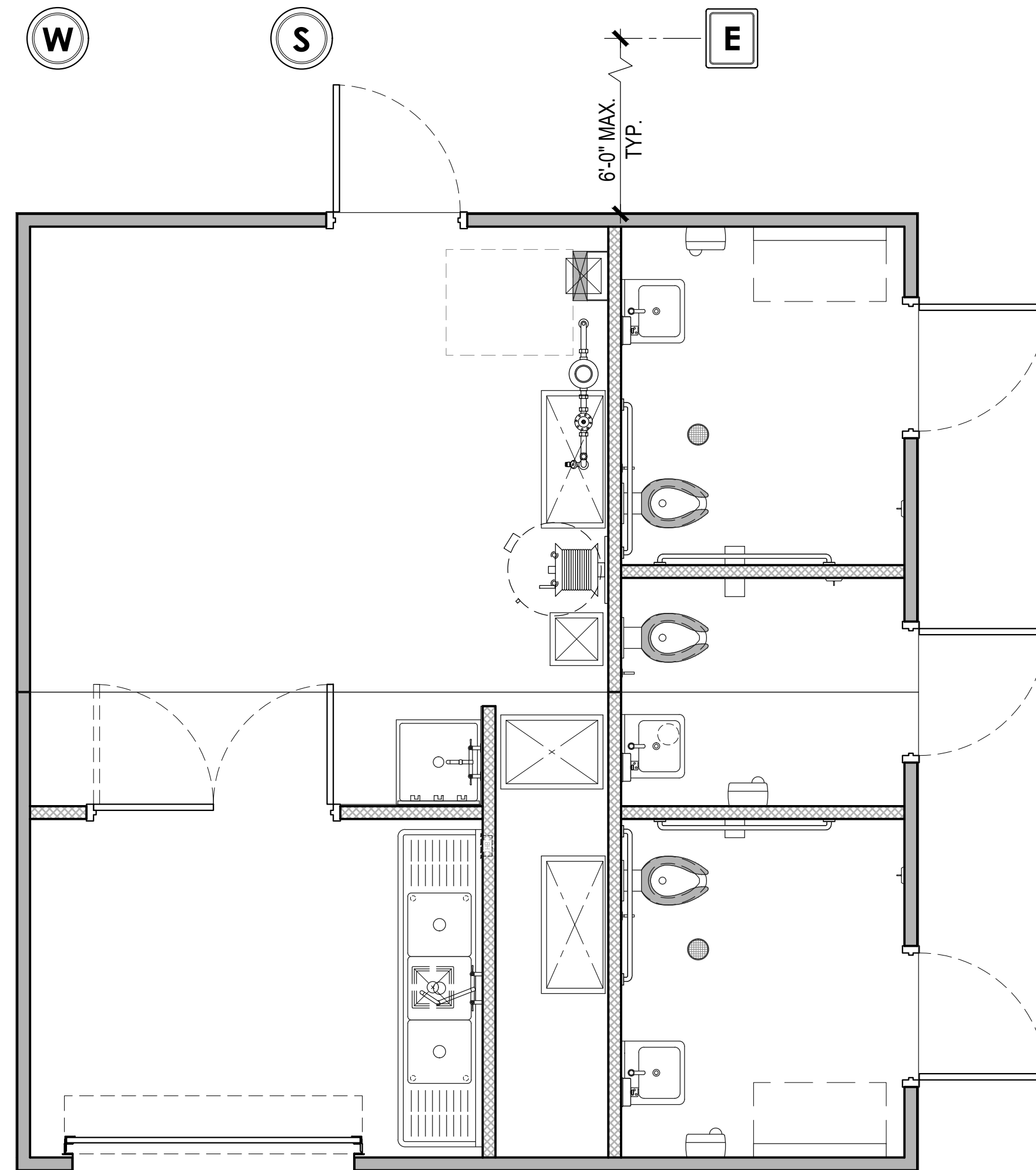
Chula Vista, CA

CODE COMPLIANCE

| | |
|----------------------------------|--|
| APPLICABLE CODES: | <ul style="list-style-type: none"> 2022 CALIFORNIA BUILDING CODE 2022 CALIFORNIA PLUMBING CODE 2022 CALIFORNIA ELECTRICAL CODE 2022 CALIFORNIA GREEN CODE 2022 CALIFORNIA ENERGY CODE ADA TITLE II (28 CFR PART 35) & 2010 ADAS APPLICABLE TO STATE & LOCAL GOVERNMENT SERVICES, PROGRAMS & ACTIVITIES |
| OCCUPANCY & USE: | U (WITH ACCESSIBILITY PROVISIONS FOR RESTROOMS) |
| TYPE OF CONSTRUCTION: | V-B |
| FIRE SPRINKLERS: | NO |
| FIRE SEPARATION DISTANCE: | 10' OR GREATER ON ALL SIDES |
| HEIGHT & STORIES: | |
| BUILDING HEIGHT | 12'-5" (40'-0" ALLOWED) |
| NUMBER OF STORIES | 1 STORY (1 STORY ALLOWED) |
| BUILDING AREA: | 484 s.f. (5,500 ALLOWED) |
| CLIMATE ZONE: | 7 |
| PRC JOB NUMBER: | 11385A |
| BUILDING MODEL NUMBER: | PS-033-ST-CUSTOM |
| NUMBER OF BUILDING MODS: | 2 |

GENERAL NOTES

- THE STRUCTURAL DESIGN DETAILS HEREIN ARE SPECIFIC TO THE BUILDING SIZE AND MODULE CONFIGURATION SHOWN ON THE FLOOR PLAN OF THESE DRAWINGS.
 - LOCATION OF THIS BUILDING SHALL MEET REQUIRED PROPERTY CODE SETBACKS PER LOCAL JURISDICTION.
 - ACCESSIBILITY TO THIS STRUCTURE SHALL BE IN CONFORMANCE WITH LOCAL CODE INCLUDING ALL PATHWAYS, RAMPS AND PATHS OF TRAVEL FROM PARKING TO THE BUILDING.
 - SOIL BEARING REQUIREMENT IS 1500 PSF, SUB GRADE COMPACTION AT 90%. SITE BUILDING PAD PREPARATION BY OTHERS.
 - ALL DIMENSIONS HEREIN ARE NOMINAL AND SUBJECT TO CHANGE AS LONG AS THEY DO NOT VIOLATE CODE.
 - THIS BUILDING IS NOT DESIGNED TO BE HEATED OR COOLED FOR OCCUPANT COMFORT AND DOES NOT CONFORM WITH TITLE 24 MINIMUM INSULATION REQUIREMENTS.
 - THIS BUILDING IS NOT DESIGNED TO BE LOCATED IN A WUI (WILDLAND URBAN INTERFACE) FIRE AREA.
 - ALL WORK REQUIRED TO BE COMPLETED ON SITE SUBJECT TO LOCAL REVIEW, APPROVAL AND INSPECTION BY LOCAL AHJ. OWNER / GENERAL CONTRACTOR RESPONSIBLE FOR ALL INSPECTIONS.
 - SITE CONCRETE FOUNDATION (IF APPLICABLE)
 - COMPACTED BUILDING PAD
 - UNDER SLAB UTILITY PIPING (SEE NOTE)
 - ELECTRICAL CONNECTION
 - WATER SUPPLY CONNECTION
 - SEWER (DWV) CONNECTION
 - CONCRETE WALKWAY COMPLIANT WITH PATH OF TRAVEL FROM ACCESSIBLE PARKING
- NOTE: PUBLIC RESTROOM COMPANY WILL ONLY FURNISH AND INSTALL UNDERGROUND UTILITIES (UNDER SLAB) EXTENDING 6 FEET (MAX.) BEYOND THE BUILDING LINE. MIN. OF 24" - MAX. OF 36" BELOW GRADE - U.N.O. ALL UTILITY BOXES TO BE PROVIDED BY OTHERS.
- SITE INSTALLATION DETAILS ARE NOTED ON SHEETS S-1 FOR STRUCTURAL CONNECTIONS, A-2 FOR WEATHERIZATION FINISH, P-1 FOR PLUMBING CONNECTIONS & E-1 FOR ELECTRICAL CONNECTIONS IN ACCORDANCE W/ SECTION 4368.
 - SERVICE HOOKUPS (PLUMBING AND ELECTRICAL CONNECTIONS).
 - PATCH AND FINISH AT CRANE PICK LOCATIONS AS NEEDED.
 - INSTALL AND CONNECT PLUMBING DRAIN TRAPS ASSEMBLIES.
 - INSTALL ROOFING @ MOD LINE.
 - INSTALL LIGHT FIXTURE @ MOD LINE.
 - INSTALL MOD LINE CONNECTORS.



Utility Location

NOTE: FINAL LOCATIONS OF P.O.C. TO BE COORDINATED WITH P.R.C. AND TO BE CONFIRMED ON SITE. UTILITY BOXES TO BE PROVIDED BY OTHERS.

PROJECT INFORMATION

SITE ADDRESS: OTAY RANCH VILLAGE 8 - La Media North & Main Street West, Chula Vista, CA 91911

PROJECT OWNER:
HOMEFED CORPORATION
 1903 Wright Place #220
 Carlsbad, CA 92008
 CONTACT: Don Ross
 POSITION: Project Manager
 PHONE: (760) 219-1159
 EMAIL: dross@hfc-ca.com

STRUCTURAL ENGINEER:
R & S TAVARES ASSOCIATES
 1590 W. Bernardo Court, Suite 100
 San Diego, CA 92127
 CONTACT: Mariana Cardoso
 POSITION: Controller
 PHONE: (858) 444 3344
 EMAIL: mariana@rstavares.com

DESIGNER / DEALER:
PUBLIC RESTROOM COMPANY
 2587 Business Parkway
 Minden, NV 89423
 CONTACT: Chad Kaufman
 PHONE: (888) 888-2060
 FAX: (888) 888-1448
 E-MAIL: chad@publicrestroomcompany.com

CONSULTANT - LANDSCAPE ARCHITECT:
TRIBUTARY LA, INC.
 2725 Jefferson Street - Suite 14
 Carlsbad, CA 92008
 CONTACT: Kari Kiehnau
 POSITION: Architect
 PHONE: (608) 513-2903
 E-MAIL: kari@trib-la.com

DRAWING INDEX

| SHEETS | PRC PLAN REVIEW - 03/14/2023 | PRC PLAN REVIEW - 03/20/2023 | STRUCTURAL REVIEW - 03/22/2023 | CONSTRUCTION DOCUMENTS - 05/16/2023 |
|---|------------------------------|------------------------------|--------------------------------|-------------------------------------|
| T-1 TITLE SHEET | ● | ● | ● | ● |
| AC ACCESSIBILITY COMPLIANCE | ● | ● | ● | ● |
| A-1 FLOOR PLAN, STRUCTURAL DESIGN & SCHEDULES | ● | ● | ● | ● |
| A-1.1 ROOF FRAMING PLAN, BUILDING SECTIONS & FASTENING SCHEDULE | ● | ● | ● | ● |
| A-2 EXTERIOR ELEVATIONS & FINISH SCHEDULE | ● | ● | ● | ● |
| A-3 INTERIOR ELEVATIONS & SCHEDULES | ● | ● | ● | ● |
| P-1 PLUMBING PLANS, SCHEDULES & DETAILS | ● | ● | ● | ● |
| E-1 ELECTRICAL PLAN & SCHEDULES | ● | ● | ● | ● |
| S-1 CONCRETE SLAB PLAN & DETAILS | ● | ● | ● | ● |

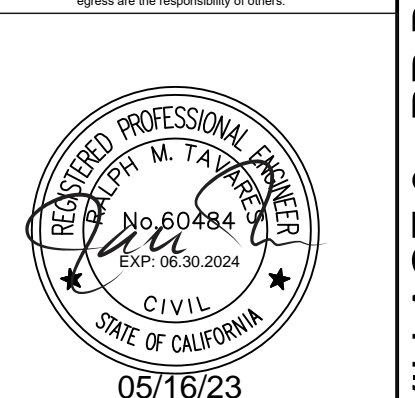
DESIGN LOADS

| STRUCTURAL DESIGN CRITERIA | | | | |
|--|---------------------------------------|----------|--------------------------------|----------|
| GRAVITY LOADS | FLOOR LIVE | 100 psf | SEISMIC DESIGN CATEGORY | D |
| | FLOOR DEAD | 100 psf | SITE CLASS | D |
| | ROOF LIVE | 20 psf | IMPORTANCE FACTOR | 1.0 |
| | ROOF DEAD | 10 psf | RISK CATEGORY | II |
| | EXTERIOR WALL DEAD | 30 psf | MAPPED ACCELERATIONS | |
| SNOW | GROUND SNOW, P _g | 0 psf | S _s | 0.771 |
| | FLAT-ROOF SNOW, P _f | 0 psf | S ₁ | 0.279 |
| | IMPORTANCE FACTOR, I _s | 1.00 | SPECTRAL RESPONSE | |
| | EXPOSURE FACTOR, C _e | 1.00 | S _{0S} | 0.617 |
| | THERMAL FACTOR, C _t | 1.00 | S _{D1} | 0.380 |
| WIND | ULTIMATE WIND SPEED, V _{ult} | 97 mph | SEISMIC FORCE RESISTING SYSTEM | A7 |
| | EXPOSURE CATEGORY | C | DESIGN BASE SHEAR | 0.123W |
| | RISK CATEGORY | II | RESPONSE MODIFICATION FACTOR | 5.0 |
| | INTERNAL PRESSURE, G _{spi} | +/- 0.18 | ANALYSIS PROCEDURE | ASCE7-16 |
| | MEAN ROOF HEIGHT | 15 Ft | | |
| FLOOD | | | | |
| BUILDING SHALL NOT BE PLACED ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 15 FEET IN HEIGHT | | | | |
| BUILDING SHALL NOT BE LOCATED, IN WHOLE OR IN PART, IN A FLOOD HAZARD AREA AS ESTABLISHED BY THE AUTHORITY HAVING JURISDICTION UNLESS SET ON A FOUNDATION DESIGNED IN ACCORDANCE WITH ASCE/SEI 25. THE FLOOD RESISTANT FOUNDATION SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL AND CONSTRUCTED TO RESIST ALL FLOOD LOADS WITHOUT TRANSFERRING LOADS TO THE MODULAR STRUCTURE. | | | | |

APPROVED
 BY RADCO a CA
 Department of Housing
 And Community
 Development approved
 third party design
 approval agency
 DM920272
 Approval Date: 5/17/2023
 Expiration Date: 8/31/2024
 APPROVAL NO.
 591-1254

| COMPONENTS & CLADDING WIND LOADS | | |
|----------------------------------|----------------|---------------------|
| COMPONENT | END ZONE (psf) | INTERIOR ZONE (psf) |
| WINDOWS & SIDING | +25.1 / -25.1 | +20.4 / -20.4 |
| DOORS | +25.1 / -25.1 | +20.4 / -20.4 |
| ROOF CLADDING | +43.2 / -43.2 | +32.7 / -32.7 |
| ROOF OVERHANGS | +58.8 / -58.8 | +43.2 / -43.2 |

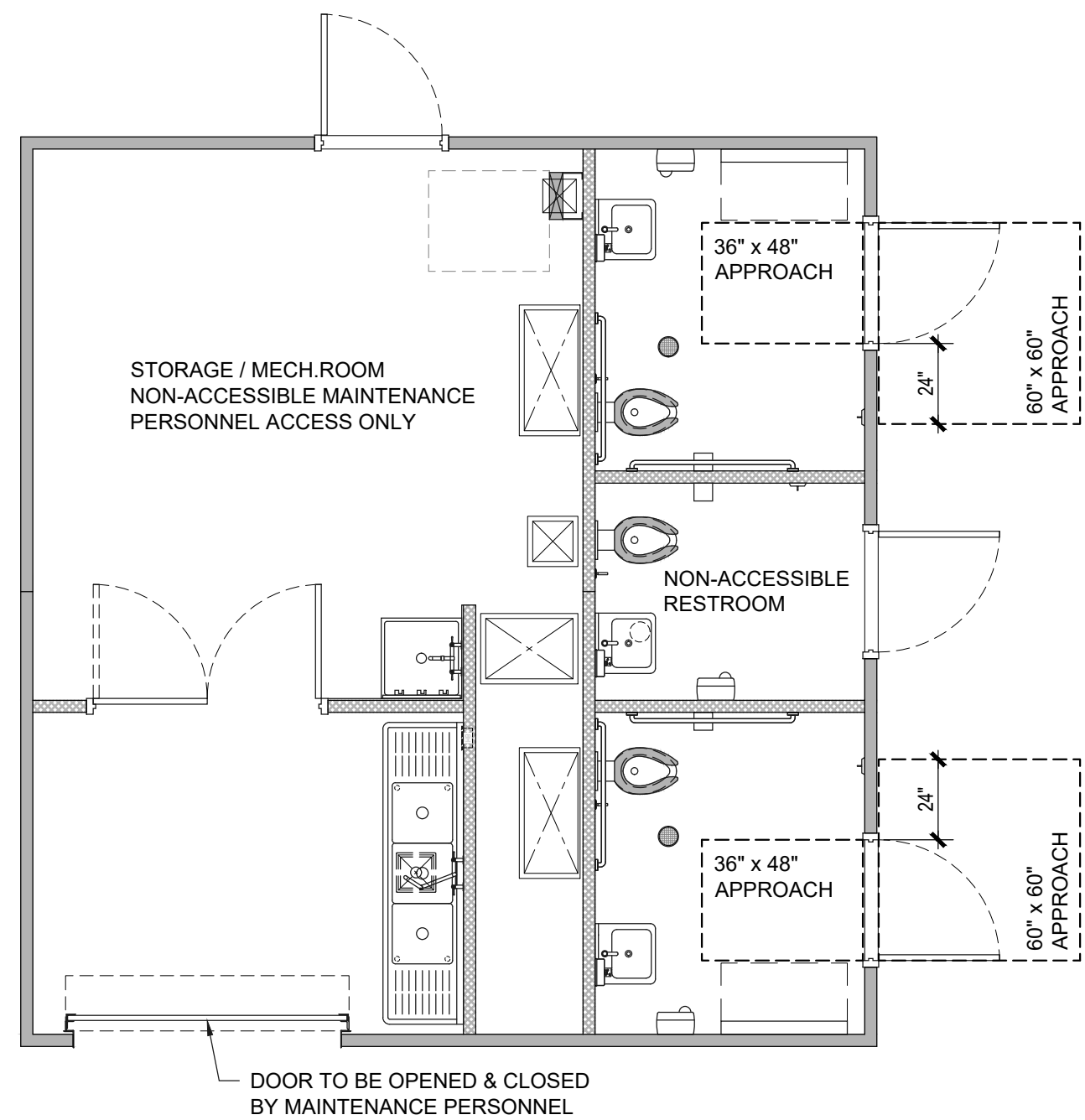
STRUCTURAL ONLY
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DO NOT SCALE - DIMENSIONS PRESEDE
 24x36 SHEET - SCALE AS NOTED
 11x17 SHEET - NTS
 05/16/23

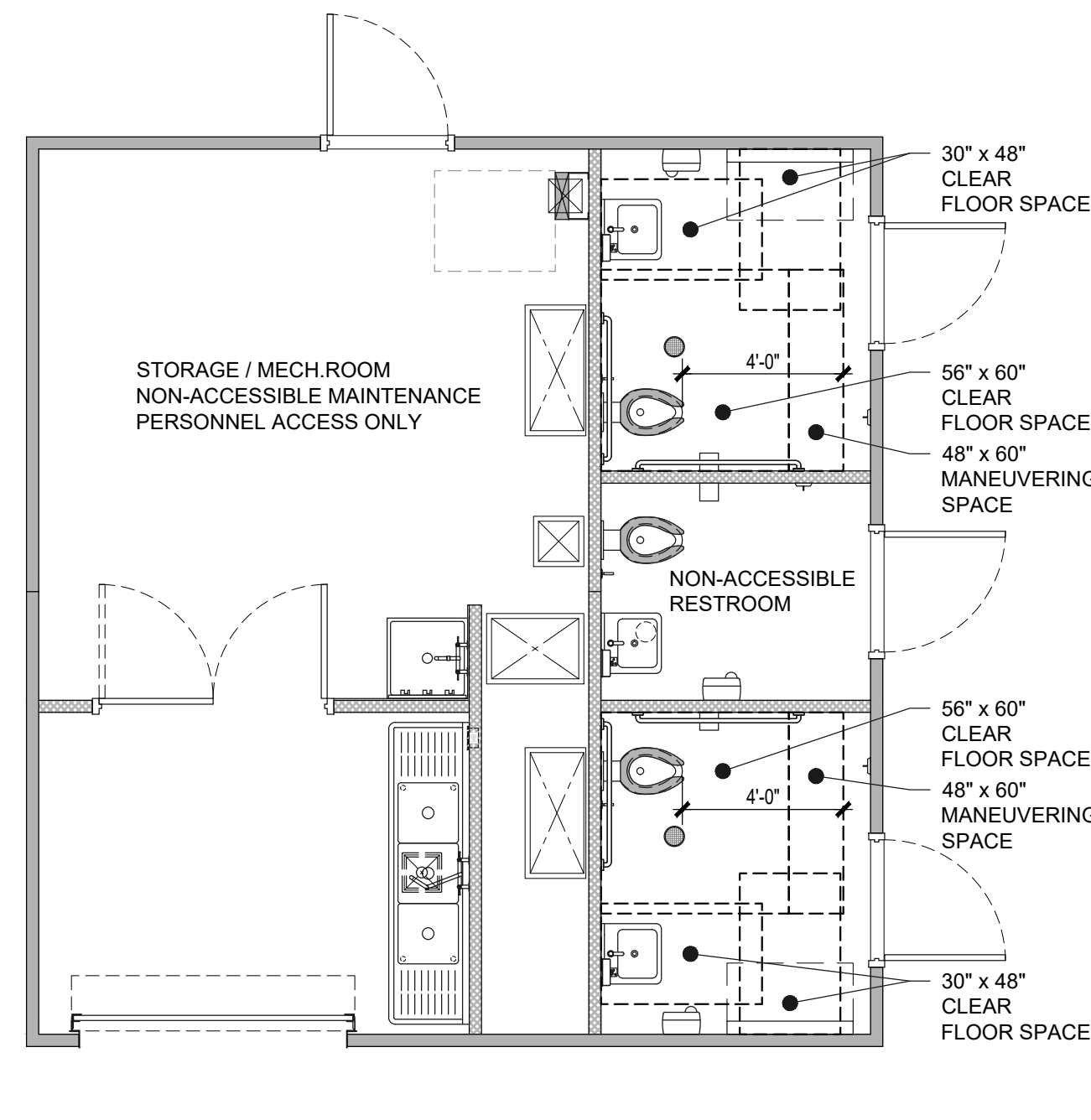
| | | | | | | | | | |
|-----|-------------|------|---|--|---|--|--|------------------------------------|---|
| No. | Description | Date | CONSTRUCTION DOCUMENTS 05/16/2023 | COPYRIGHT 2023, PUBLIC RESTROOM COMPANY THIS MATERIAL IS THE EXCLUSIVE PROPERTY OF PUBLIC RESTROOM COMPANY AND SHALL NOT BE REPRODUCED, USED, OR DISCLOSED TO OTHERS EXCEPT AS AUTHORIZED BY THE WRITTEN PERMISSION OF PUBLIC RESTROOM COMPANY | PUBLIC RESTROOM COMPANY Building Better Places To Go. 2587 Business Pkwy, Minden, NV 89423 Ph: 888-888-2060 Fax: 888-888-1448 | PROJECT OWNER: HOMEFED CORPORATION Carlsbad, CA | PROJECT NAME AND LOCATION: OTAY RANCH VILLAGE 8 Chula Vista, CA | SHEET TITLE: TITLE SHEET | Drawn by: PD Job No. 11385A |
| | | | | | | | | | Checked by: JC / KM |
| | | | | | | | | | Current Date: 05/16/2023 |
| | | | | | | | | | Start Date: 02/22/2023 |
| | | | | | | | | | T-1 |

OTAY RANCH VILLAGE 8 - RR BLDG. A - Chula Vista, CA CONSTRUCTION DOCUMENTS - 05/16/2023



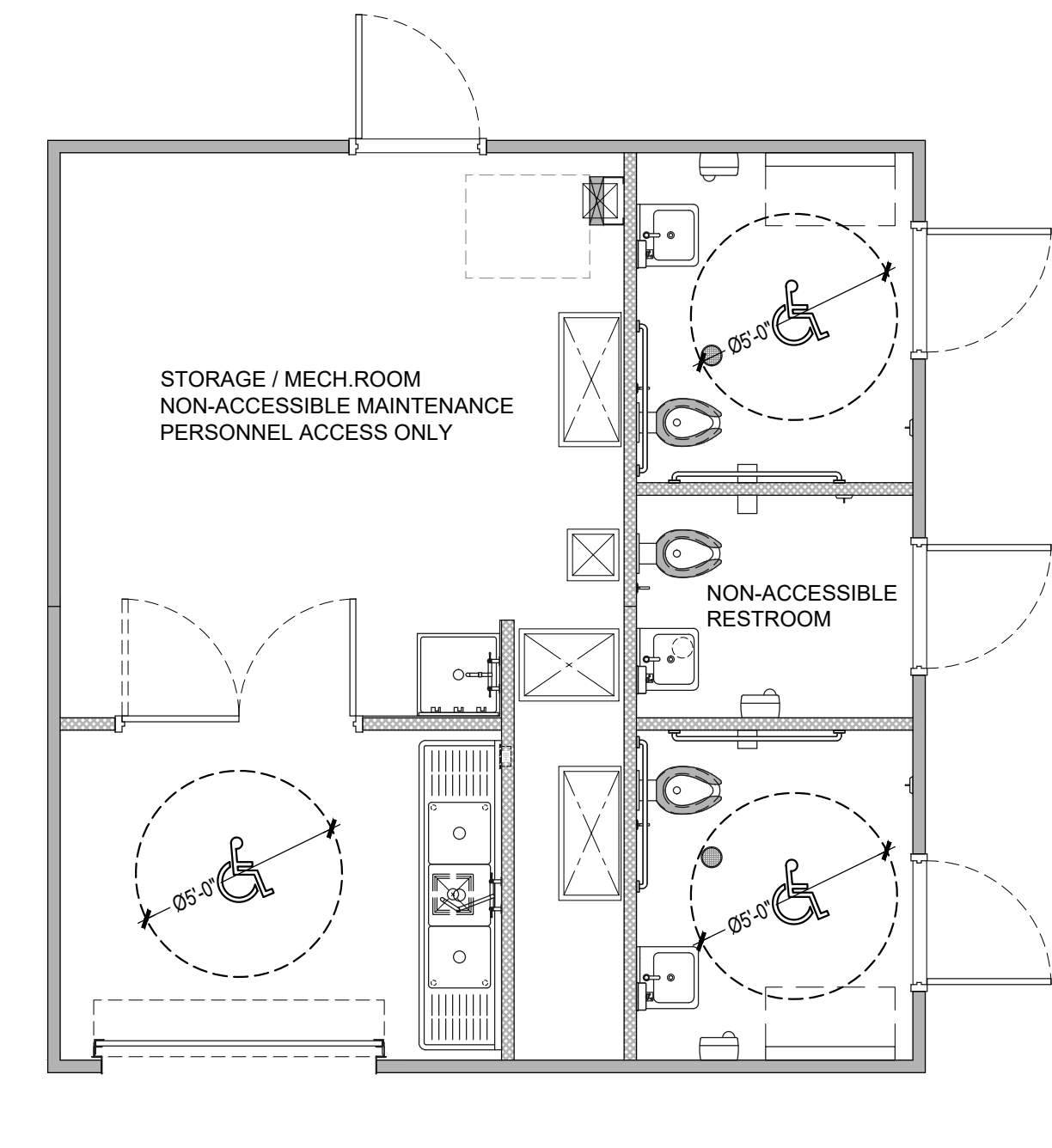
DOOR APPROACH

SCALE: 1/4"=1'-0"



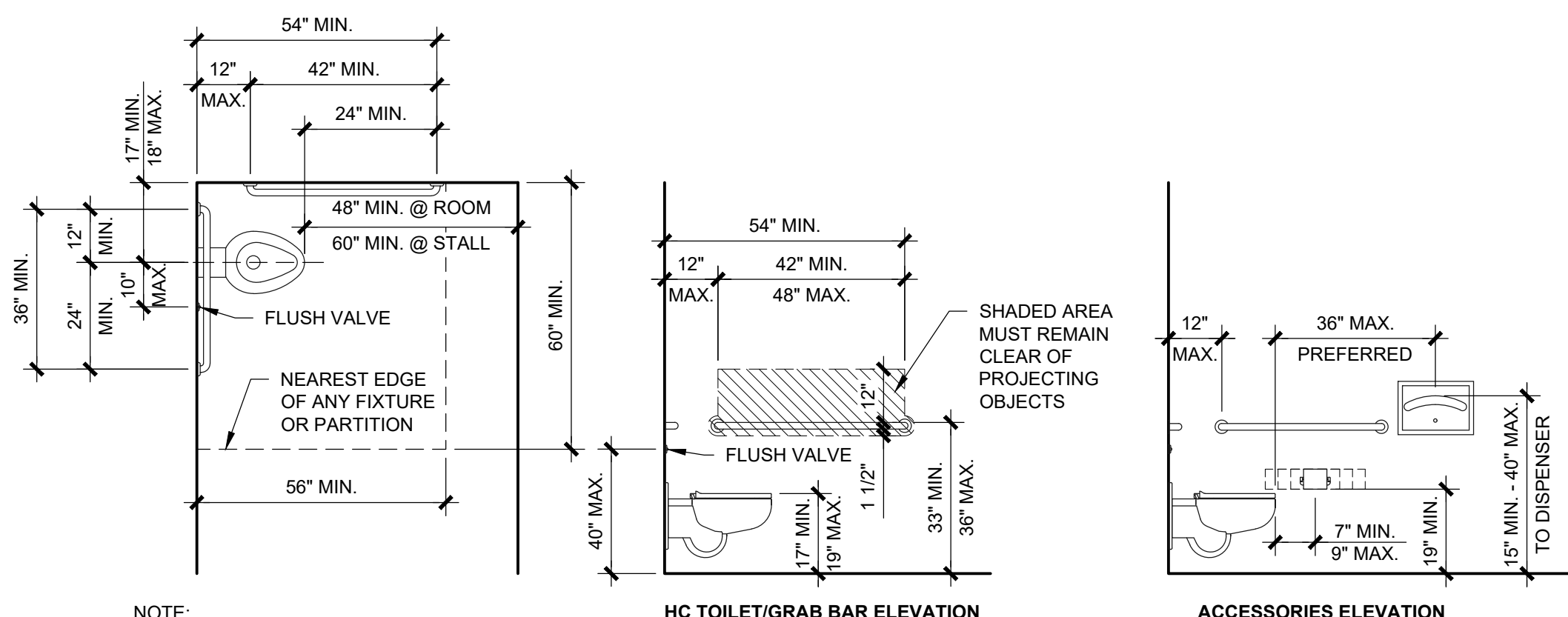
FIXTURE APPROACH

SCALE: 1/4"=1'-0"



TURNING SPACE

SCALE: 1/4"=1'-0"



1 - TOILET DESIGN CRITERIA

NOTE: SPACE BETWEEN GRAB BAR AND WALL TO BE 1 1/2" CLEAR
 - GRAB BAR DIAMETER TO BE 1 1/4" TO 1 1/2"
 - GRAB BAR MUST BE ABLE TO SUPPORT 250lb POINT LOAD AND NOT ROTATE WITHIN THE FITTINGS

NOTE: NOT ALL ACCESSORIES MAY PERTAIN TO THIS PROJECT. ITEMS SHOWN ARE FOR REFERENCE ONLY.

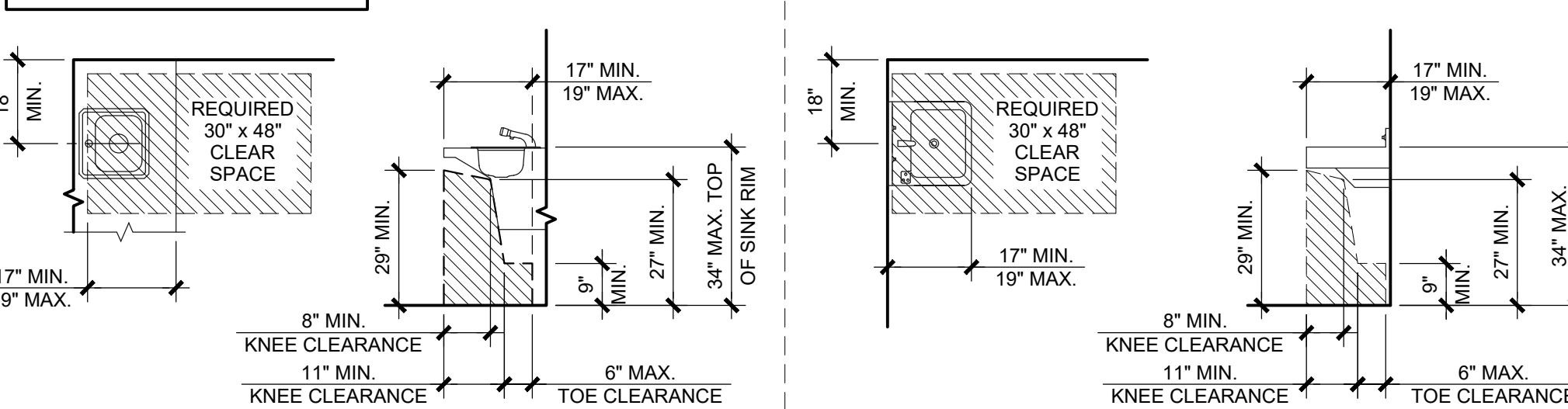
| | CODE SUMMARY HEIGHT A.F.F. / LOC | PUBLIC RESTROOM COMPANY STANDARDS* |
|--------------------|--|--|
| GRAB BARS | 33" MIN. / 36" MAX. TO TOP | 34" TO TOP |
| TOILET LOCATION | 17" MIN. / 18" MAX. TO CENTERLINE | 17 1/2" TO CENTERLINE |
| TOILET/SEAT HEIGHT | 17" MIN. / 19" MAX. | 18" TO TOP OF SEATING SURFACE |
| TOILET FLUSH VALVE | 40" MAX., 10" TO WIDE SIDE | CENTERLINES TO BE 28" AFF AND 10" FROM CENTER OF WC |
| TP DISPENSER | DISPENSER OUTLET TO BE 19" MIN. AFF & CENTER LINE OF FIXTURE TO BE 7"-9" FROM FACE OF WATER CLOSET | 8" FROM FRONT OF WATER CLOSET TO CENTER OF DISPENSER & 30" TO TOP OF FIXTURE |

2022 CBC ACCESSIBILITY STANDARDS

(SHOWING MINIMUMS AND MAXIMUMS)

* PUBLIC RESTROOM COMPANY STANDARDS ARE FOR PRODUCTION PERSONNEL TO BE USED AS A GUIDELINE TO ENSURE FIXTURES ARE INSTALLED WITHIN THE REQUIRED RANGES PER CODE, AND MAY NOT BE EXACT ONCE INSTALLED DUE TO FLOOR SLOPES, TOLERANCES, ETC.

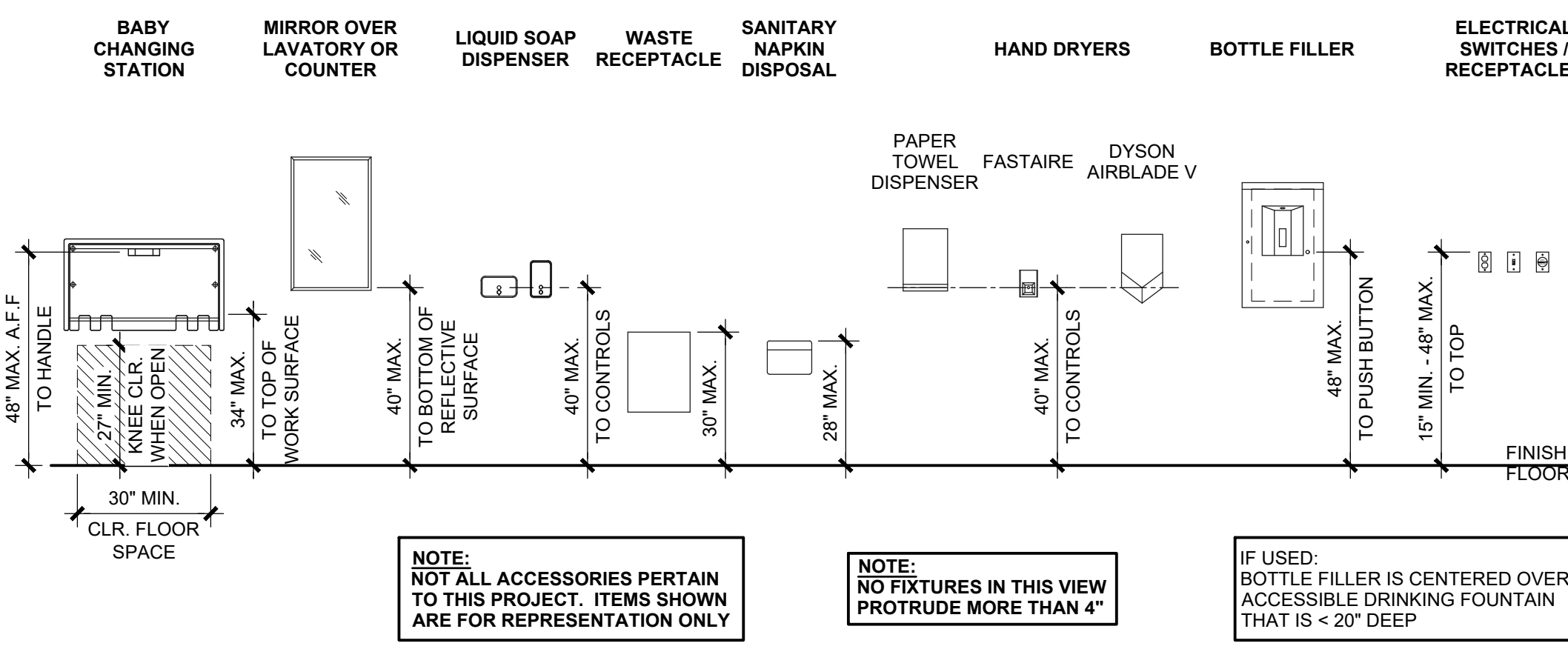
NOTE: NOT ALL ACCESSORIES PERTAIN TO THIS PROJECT. ITEMS SHOWN ARE FOR REPRESENTATION ONLY



2 - LAVATORY DESIGN CRITERIA

NOTE: WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES ARE TO BE COVERED TO PROTECT AGAINST CONTACT

| | CODE SUMMARY HEIGHT A.F.F. / LOC | PUBLIC RESTROOM COMPANY STANDARDS* |
|--------------------------|----------------------------------|---|
| RIM HEIGHT (TOP OF LAV.) | 34" MAX. | 33" PREFERRED BUT MUST HAVE 29" KNEE SPACE MIN. |
| HEIGHT OF KNEE SPACE | 29" MIN. AT FRONT APRON | PER CODE |
| FRONT LAV TO TRAP | 27" MIN. AT 8" IN FROM FRONT | PER CODE |
| TOE SPACE UNDER TRAP | 8" MIN. | PER CODE |
| CONTROLS | DECK MOUNT AT 34" MAX. | 33" PREFERRED |
| CLEAR SPACE | 30" x 48" | PER CODE |



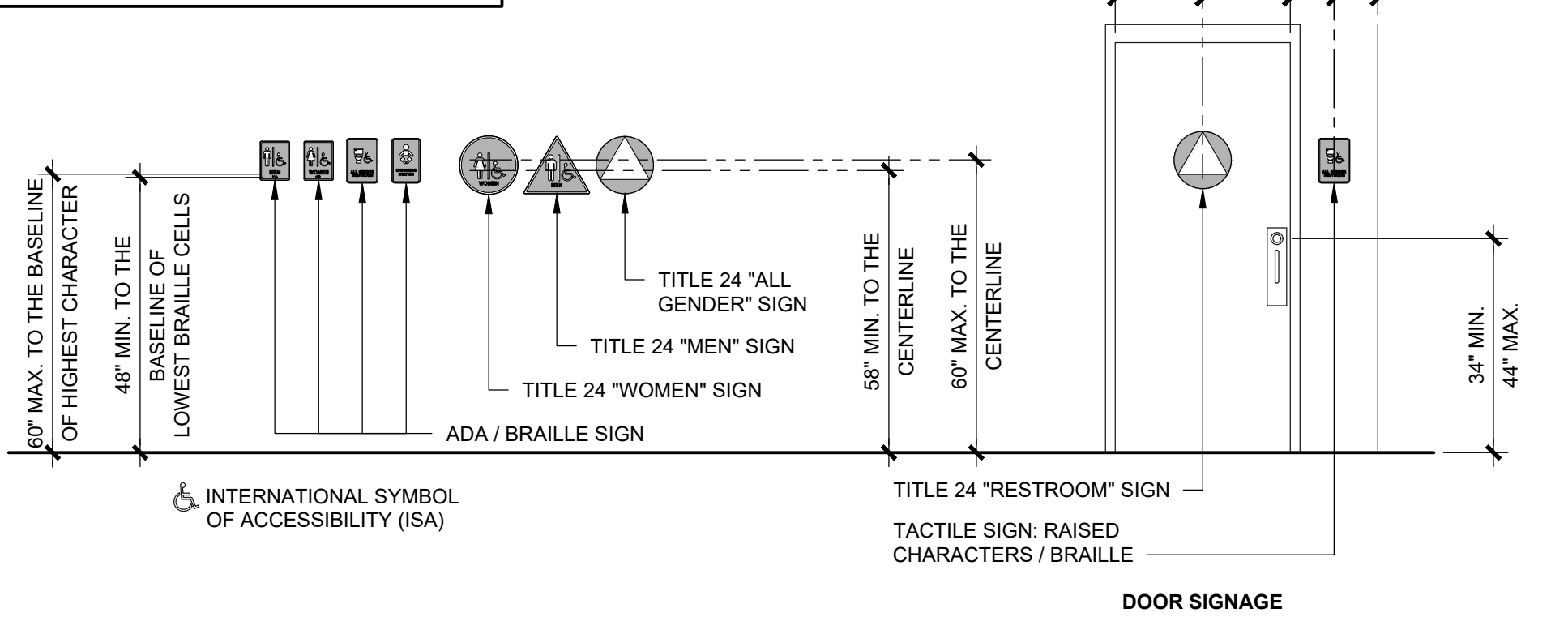
NOTE: NOT ALL ACCESSORIES PERTAIN TO THIS PROJECT. ITEMS SHOWN ARE FOR REPRESENTATION ONLY

NOTE: NO FIXTURES IN THIS VIEW PROTRUDE MORE THAN 4"

IF USED: BOTTLE FILLER IS CENTERED OVER ACCESSIBLE DRINKING FOUNTAIN THAT IS < 20" DEEP

4 - MOUNTING HEIGHTS

NOTE: RESTROOM IDENTIFICATION & DOOR SIGNS SHOWN BELOW ILLUSTRATE CODE REQUIREMENTS ONLY. REFER TO EXTERIOR ELEVATIONS & ACCESSORIES SCHEDULE FOR SIGNS PROVIDED WITH THE BUILDING.



5 - RESTROOM SIGNS AT DOORS AND GATES

| No. | Description | Date |
|-----|-------------|------|
| | | |
| | | |
| | | |

CONSTRUCTION DOCUMENTS
05/16/2023

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PROJECT OWNER:
HOMEFED CORPORATION
Carlsbad, CA

PROJECT NAME AND LOCATION:
OTAY RANCH VILLAGE 8
Chula Vista, CA

SHEET TITLE:
ACCESSIBILITY COMPLIANCE

Drawn by: **PD** Job No. **11385A**
 Checked by: **JC / KM**
 Current Date: **05/16/2023**
 Start Date: **02/22/2023**
AC

APPROVED BY RADCO a CA Department of Housing And Community Development approved third party design approval agency DM920272
 Approval Date: 5/17/2023 Expiration Date: 8/31/2024
 APPROVAL NO. 591-1254

DO NOT SCALE - DIMENSIONS PRESIDE
 24x36 SHEET - SCALE AS NOTED
 11x17 SHEET - NTS

CONSTRUCTION DOCUMENTS - 05/16/2023

OTAY RANCH VILLAGE 8 - RR BLDG. A - Chula Vista, CA

| DOOR, FRAME & HARDWARE SCHEDULE | | | | | | | | | | | | |
|---------------------------------|----------------------------|-----------------------|--|--------------|---------|--------|------------|------------------------|-----------------------|------------|-----------|---------------|
| NO. | ROOM NAME | SIZE | 1 DOOR TYPE | 2 FRAME TYPE | 3 HINGE | 4 LOCK | 5.a CLOSER | 5.b PULL PLATE OUTSIDE | 5.b PUSH PLATE INSIDE | 5.c THRESH | 5.d SWEEP | 6 OTHER |
| 1 | ACCESSIBLE ALL GENDER RR-1 | 3'-0" x 7'-0" | 1.a | 2.a | 3.a | 4.a | YES | YES | YES | 5.c.1 | NO | - |
| 2 | ALL GENDER RR-2 | 3'-0" x 7'-0" | 1.a | 2.a | 3.a | 4.a | YES | YES | YES | 5.c.1 | NO | - |
| 3 | ACCESSIBLE ALL GENDER RR-3 | 3'-0" x 7'-0" | 1.a | 2.a | 3.a | 4.a | YES | YES | YES | 5.c.1 | NO | - |
| 4 | STORAGE / MECH. ROOM | 3'-0" x 7'-0" | 1.a | 2.a | 3.a | 4.a | NO | YES | YES | 5.c.2 | YES | 6.a |
| 5 | STORAGE / MECH. ROOM | DOUBLE 2'-10" x 7'-0" | 1.a | 2.a | 3.a | 4.b | NO | NO | NO | NO | NO | 6.a, 6.b, 6.c |
| 6 | FARMERS WET ROOM | 6'-8" x 7'-4" | 22 GA. ROLLING SERVICE DOOR, OVERHEAD DOOR MODEL 610 w/ C-187 SLATS & FACE-OF-WALL MOUNTED E GUIDE. CHAIN HOIST, SLIDE LOCK ON INTERIOR SIDE ONLY. 6'-8" x 7'-4" IS WALL OPENING SIZE. | | | | | | | | | |

SPECS:

- DOOR TYPES:**
 - 14 GA. GALVANIZED HOLLOW METAL
- DOOR FRAMES:**
 - 4 3/4" WIDE 14 GA. GALVANIZED HOLLOW METAL (WELDED)
- HINGE:**
 - PEMCO KCFM-83" HD (OR EQ.) CONTINUOUS GEAR HINGE WITH STAINLESS STEEL VANDAL RESISTANT SCREWS.
- LOCK:**
 - DEADBOLT: SCHLAGE B660 626 WITH TEMPORARY CONSTRUCTION FULL SIZE INTERCHANGEABLE CORE (FSIC), ADA THUMB TURN LOCKS AND UNLOCKS
 - LEVER: SCHLAGE ND66PD SPA 626 WITH TEMPORARY CONSTRUCTION FULL SIZE INTERCHANGEABLE CORE (FSIC), KEYED BOTH SIDES LOCKS AND UNLOCKS
- HARDWARE:**
 - CLOSER: LCN 4211 (CUSH ARM)
 - PUSH / PULL PLATES: ROCKWOOD VRT24C x 91CFC US32DMS WITH BLACK COOL COATING HANDLE
 - THRESHOLD:
 - 1) PEMKO 229A (OR EQ.)
 - 2) PEMKO 270A (OR EQ.)
 - SWEEP: PEMKO 321 SSN (OR EQ.)
- OTHER:**
 - CHECK CHAIN: IVES CS115-25 (OR EQ.) - BOTH LEAVES ON DBL. DOORS
 - WALL STOP: IVES WS449 626 (OR EQ.) - BOTH LEAVES ON DBL. DOORS
 - LOCK INACTIVE LEAF WITH FLUSH BOLTS TOP & BOTTOM. ACTIVE LEAF TO RECEIVE LEVER LOCK

NOTE: DIMENSIONS ARE FOR DOORS ONLY, FRAMES ARE NOT INCLUDED.

| STRUCTURAL DESIGN | | | |
|-----------------------------------|--|---|--|
| COMPONENT | DESCRIPTION | SPECIFIC MATERIAL LIST | NOTES |
| SLAB | | | |
| PERIMETER FRAMEWORK | STRUCTURAL STEEL | L 6"x6"x5/16" | |
| REINFORCEMENT | REBAR MAT DESIGN | #4 MIN. GRADE 60 TOP: 8" O.C. EACH WAY - BOT: 16" O.C. EACH WAY | |
| CONCRETE | 8" MAT DESIGN | DESIGN BASIS IS MIN. 2500 PSI | NOTE #1 |
| REBAR CONNECTION TO CONCRETE SLAB | STARTER BARS CONNECTION TO CONCRETE SLAB SHALL BE WITH 2 PART EPOXY w/ 5" MIN. EMBED DEPTH | RED HEAD A7+ EPOXY (OR EQUAL) | USE OF ADHESIVE ANCHORAGE SYSTEM BY PROVISIONS OF CODE REPORT ESR-3903 AND MANUFACTURER RECOMMENDATIONS |
| WALLS | | | |
| FRAMING (EXT.) | | | |
| TO CAP BEAM | C.M.U. BLOCK | 4 x 8 x 16 CONCRETE BLOCK. GROUT EVERY CELL w/ TYPE 'S' FINE GROUT. REINFORCING: HORIZONTAL - (2) 9 GA WIRES @ 8" O.C. (EVERY COURSE) VERTICAL - #3 REBAR @ 8" O.C. (EVERY CELL), EXCEPT USE #4 REBAR @ END OF WALLS, @ EACH SIDE OF OPENINGS, AND @ 10'-0" O.C. MAX. | USE TYPE 'S' FINE GROUT w/ A SLUMP OF 10"-11" FOR A "HIGH LIFT" GROUT POUR. GROUT POUR HEIGHT NOT TO EXCEED 12'-8" |
| CAP BEAM | STEEL | HSS 6 x 4 x 1/8 (A1085 / A 500 Grade B) | |
| ABOVE CAP BEAM (OPTION) | WOOD | 2x3 DF#2 OR BETTER STUDS @ 24" O.C. | |
| | STEEL | 2 1/2" 18 GA. GALV. STEEL STUDS @ 24" O.C. (250S162-43 STUDS, 2501200-43 TRACKS) | |
| FRAMING (INT.) | | | |
| TO CAP BEAM | C.M.U. BLOCK | 4 x 8 x 16 CONCRETE BLOCK. GROUT EVERY CELL w/ TYPE 'S' FINE GROUT. REINFORCING: HORIZONTAL - (2) 9 GA WIRES @ 8" O.C. (EVERY COURSE) VERTICAL - #3 REBAR @ 8" O.C. (EVERY CELL), EXCEPT USE #4 REBAR @ END OF WALLS, @ EACH SIDE OF OPENINGS, AND @ 10'-0" O.C. MAX. | USE TYPE 'S' FINE GROUT w/ A SLUMP OF 10"-11" FOR A "HIGH LIFT" GROUT POUR. GROUT POUR HEIGHT NOT TO EXCEED 12'-8" |
| CAP BEAM | STEEL | HSS 6 x 4 x 1/8 (A1085 / A 500 Grade B) | |
| ABOVE CAP BEAM (OPTION) | WOOD | 2x3 DF#2 OR BETTER STUDS @ 24" O.C. | |
| | STEEL | 2 1/2" 18 GA. GALV. STEEL STUDS @ 24" O.C. (250S162-43 STUDS, 2501200-43 TRACKS) | |
| SHEATHING (ABOVE CAP BEAM) | | | |
| ALL FRAMED WALLS | WOOD | 7/16" SHEATHING BOTH SIDES | NOTE #2 |
| ROOF | | | |
| TRUSSES | STEEL | HSS SIZES PER DETAILS (A1085 / A 500 Grade B) | |
| PURLINS | STEEL | HSS 4 x 4 x 1/8 (A1085 / A 500 Grade B) | |
| LOOKOUTS | STEEL | HSS 4 x 4 x 1/8 (A1085 / A 500 Grade B) | |
| FASCIA | STEEL | HSS 6 x 2 x 1/8 (A1085 / A 500 Grade B) | |
| ROOFING | METAL | 24 GA. STANDING SEAM METAL ROOF PANELS | |

NOTES:

- INTEGRAL ADDITIVES FOR MOISTURE, STAINING & CORROSION RESISTANCE.
- PAINT WALL SHEATHING FOR MOISTURE PROTECTION (STORAGE / MECHANICAL ROOM SIDE)

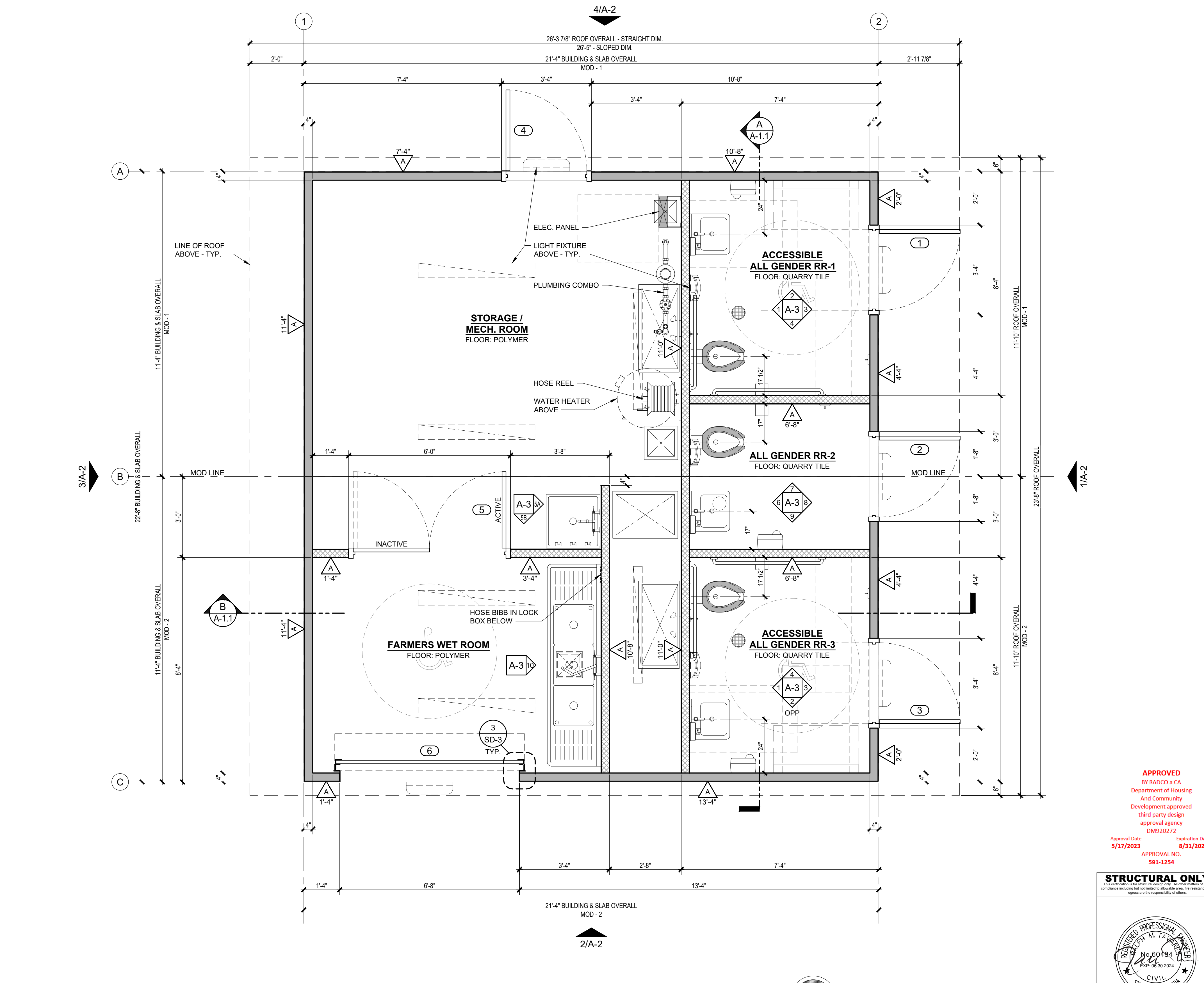
| C.M.U. SHEAR WALL SCHEDULE | | | |
|----------------------------|--------------------------|---|-----------------|
| MARK | BLOCK | REINFORCEMENT | CAP BEAM |
| A | 4 x 8 x 16 FULLY GROUTED | HORIZONTAL - (2) 9 GA WIRES @ 8" O.C. (EVERY COURSE) VERTICAL - #3 REBAR @ 8" O.C. (EVERY CELL), EXCEPT USE #4 REBAR @ END OF WALLS, @ EACH SIDE OF OPENINGS, AND @ 10'-0" O.C. MAX. | HSS 6 x 4 x 1/8 |

GENERAL SHEET NOTES:

- LOCATION OF ALL PLUMBING & ELECTRICAL COMPONENTS IN THE STORAGE / MECHANICAL ROOM ARE SUBJECT TO CHANGE, FINAL LOCATIONS TBD.

WALL LEGEND:

- 4" C.M.U. - SPLIT FACE
- 4" C.M.U. - PRECISION



1 FLOOR PLAN
SCALE: 1/2"=1'-0"

APPROVED
BY RADCO a CA
Department of Housing
And Community
Development approved
third party design
approval agency
DM920272
Approval Date: 5/17/2023
Expiration Date: 8/31/2024
APPROVAL NO. 591-1254

STRUCTURAL ONLY
This certification is for structural design only. All other members of code compliance including but not limited to electrical, plumbing, fire, and life safety are the responsibility of others.

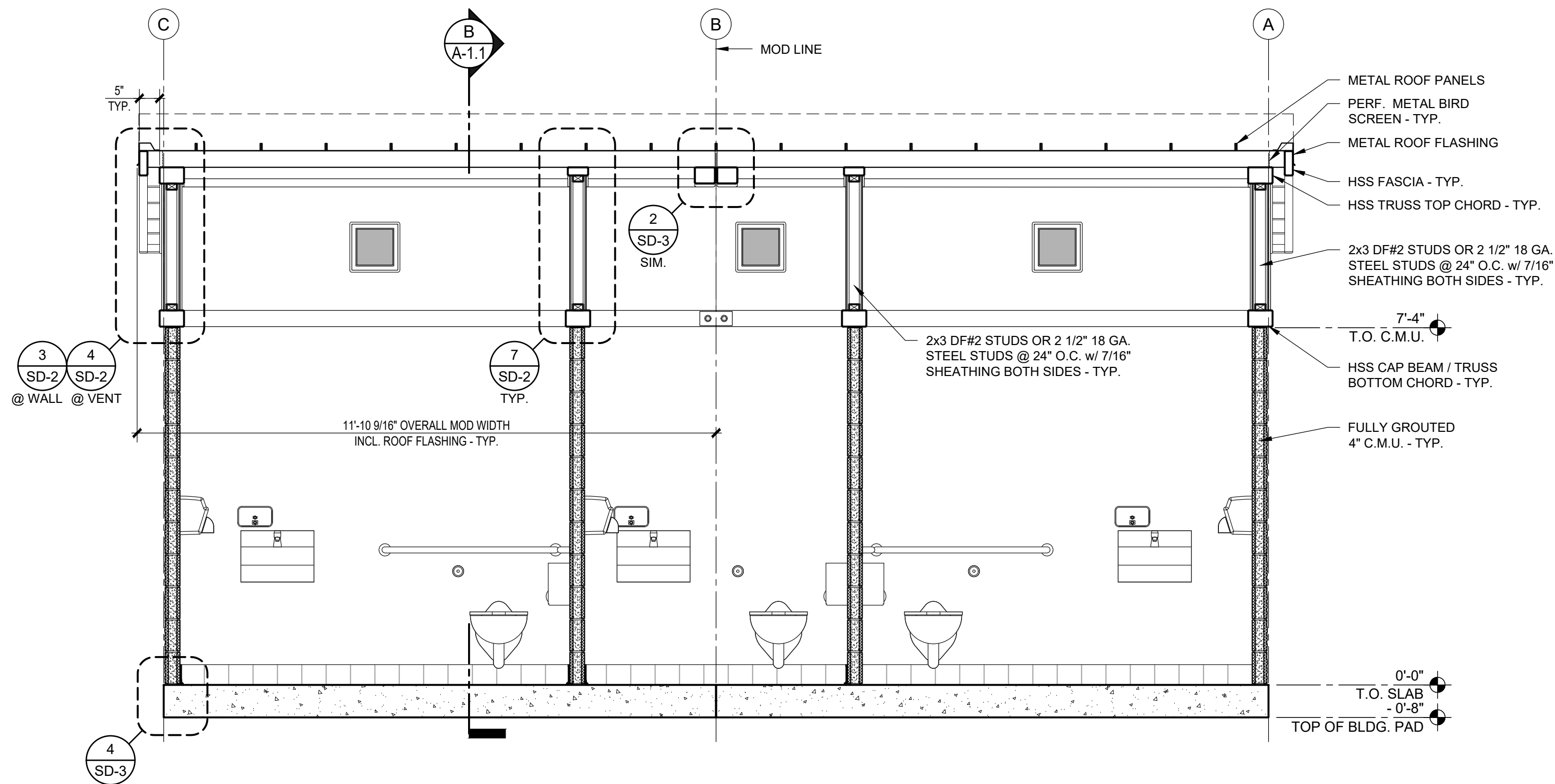


DO NOT SCALE - DIMENSIONS PRESEDE
24x36 SHEET - SCALE AS NOTED
11x17 SHEET - NTS

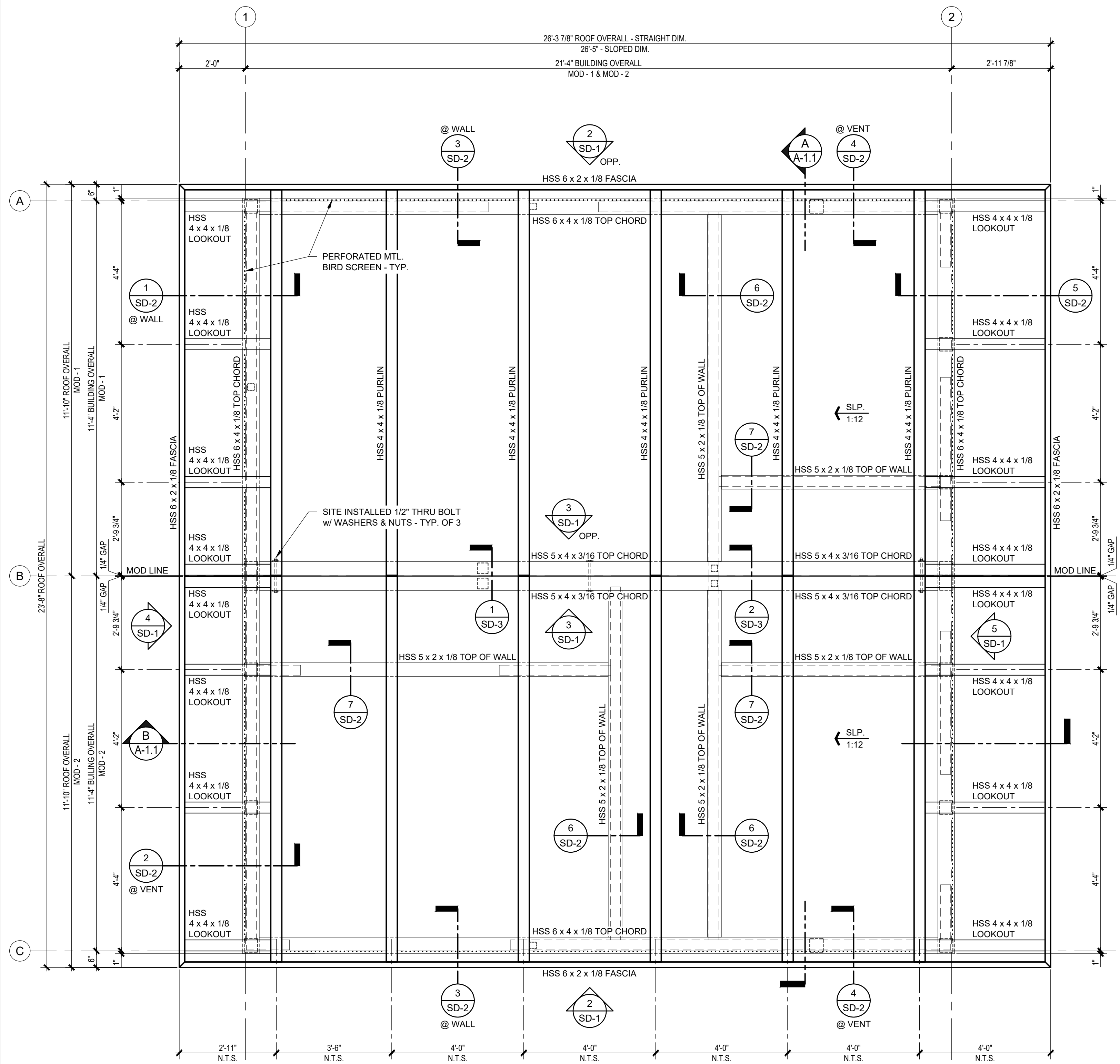
| No. | Description | Date |
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|---|--|---|--|--|--|---|---|
| CONSTRUCTION DOCUMENTS 05/16/2023 | COPYRIGHT 2023, PUBLIC RESTROOM COMPANY THIS MATERIAL IS THE EXCLUSIVE PROPERTY OF PUBLIC RESTROOM COMPANY AND SHALL NOT BE REPRODUCED, USED, OR DISCLOSED TO OTHERS EXCEPT AS AUTHORIZED BY THE WRITTEN PERMISSION OF PUBLIC RESTROOM COMPANY 2587 Business Pkwy, Mandeville, LA 70448 Ph: 888-888-2000 Fax: 888-888-1448 | PUBLIC RESTROOM COMPANY Building Better Places To Go. 2587 Business Pkwy, Mandeville, LA 70448 Ph: 888-888-2000 Fax: 888-888-1448 | PROJECT OWNER: HOMEFED CORPORATION Carlsbad, CA | PROJECT NAME AND LOCATION: OTAY RANCH VILLAGE 8 Chula Vista, CA | SHEET TITLE: FLOOR PLAN, STRUCTURAL DESIGN & SCHEDULES | Drawn by: PD Checked by: JC / KM Current Date: 05/16/2023 Start Date: 02/22/2023 | Job No. 11385A A-1 |
|---|--|---|--|--|--|---|---|

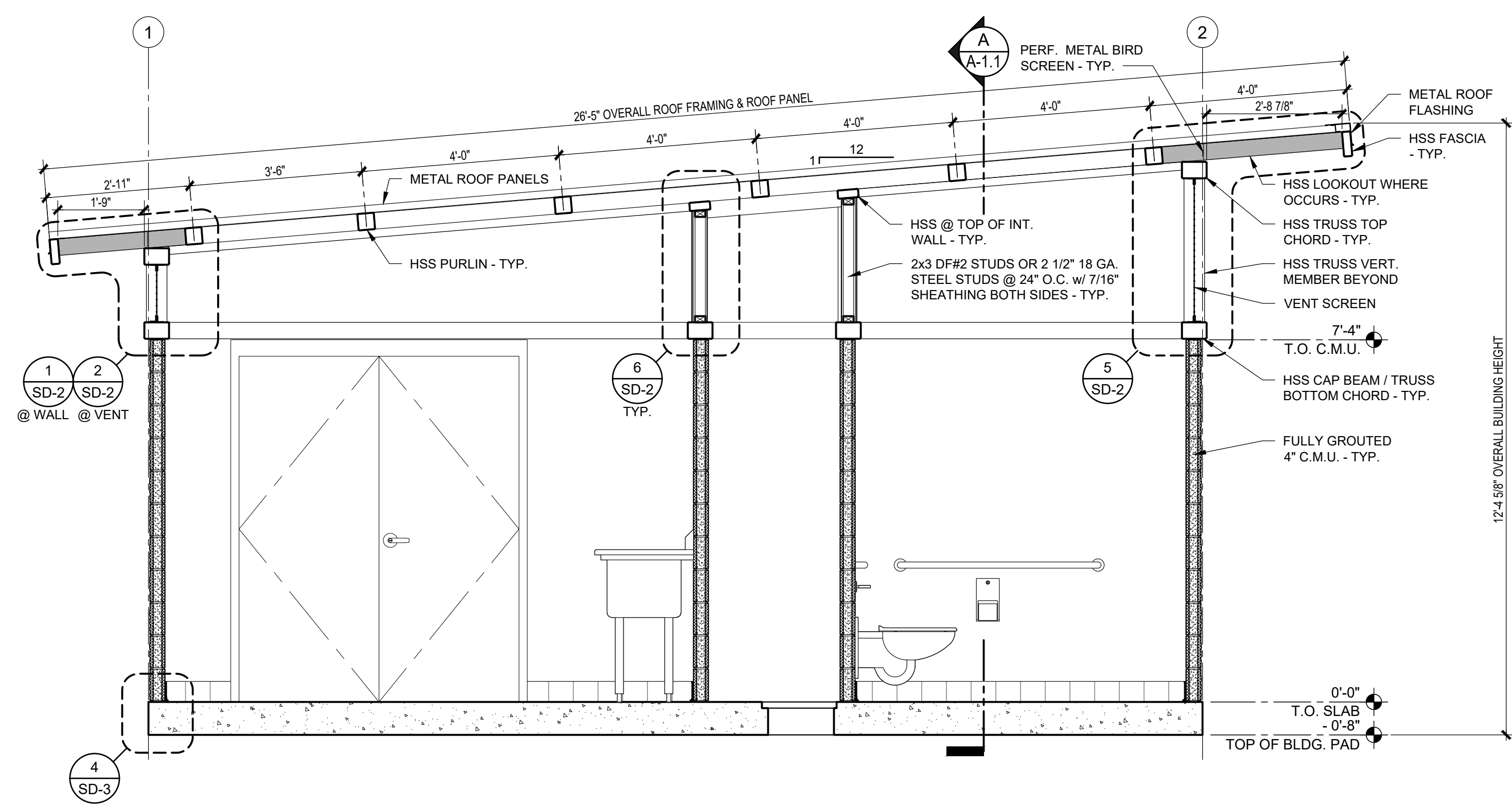
OTAY RANCH VILLAGE 8 - RR BLDG. A - Chula Vista, CA CONSTRUCTION DOCUMENTS - 05/16/2023



A BUILDING SECTION
A-1.1 SCALE: 1/2"=1'-0"



1 ROOF FRAMING PLAN
A-1.1 SCALE: 1/2"=1'-0"



B BUILDING SECTION
A-1.1 SCALE: 1/2"=1'-0"

| FASTENING SCHEDULE | |
|--|--|
| WOOD STUD FRAMED WALLS (OPTION) | |
| STUDS TO TOP & BOTTOM PLATES | (2) 0.131" x 3" NAILS |
| DOUBLE TOP PLATES | (2) 0.131" x 3" NAILS @ 16" O.C. |
| WALL SHEATHING (BOTH SIDES) | 0.131" x 2" @ 6" O.C EDGES 12" O.C. FIELD |
| STUDS, BOTTOM & TOP PLATES TO HSS CAP BEAM / TRUSS MEMBERS | #12 SELF TAPPING SCREWS CONFORMING TO ASTM C1513 OR EQUAL @ 12" O.C. STAGGERED & WITHIN 4" OF ENDS (ENSURE FULL THREAD ENGAGEMENT) |
| STEEL STUD FRAMED WALLS (OPTION) | |
| STUDS TO TOP & BOTTOM TRACKS | (2) #8 WAFER HEAD SCREWS (1 EACH SIDE) |
| WALL SHEATHING (BOTH SIDES) | ITW #8 BUILDDEX SCREWS @ 6" O.C. EDGE, 12" O.C. FIELD |
| STUDS, BOTTOM & TOP PLATES TO HSS CAP BEAM / TRUSS MEMBERS | #12 SELF TAPPING SCREWS CONFORMING TO ASTM C1513 OR EQUAL @ 12" O.C. STAGGERED & WITHIN 4" OF ENDS (ENSURE FULL THREAD ENGAGEMENT) |
| ROOF | |
| METAL ROOF PANELS TO PURLINS (4" O.C. MAX.) | UL-90 CLIP w/ (2) #10x1" PANCAKE HEAD SCREWS |

GENERAL SHEET NOTES:
1. SD SHEETS REFERENCED HEREIN CONTAIN PROPRIETARY INFORMATION AND THEREFORE ARE NOT AN INTEGRAL PART OF THE PLANS. SD SHEETS SHALL BE UTILIZED FOR ENGINEERING PURPOSES AND INTERNAL USE ONLY.

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BY RADCO a CA
Department of Housing
And Community
Development approved
third party design
approval agency
DM920272
Approval Date: 5/17/2023
Expiration Date: 8/31/2024
APPROVAL NO.
591-1254

STRUCTURAL ONLY
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PROFESSIONAL ENGINEER
RICHARD M. TAYLOR
No. 60484
Exp. 08/30/2024
CIVIL
STATE OF CALIFORNIA
05/16/23

DO NOT SCALE - DIMENSIONS PRESIDE
24x36 SHEET - SCALE AS NOTED
11x17 SHEET - NTS

| No. | Description | Date |
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05/16/2023

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PUBLIC RESTROOM COMPANY
Building Better Places To Go.
2507 Business Pkwy, Mandeville, NJ 088423
Ph: 888-888-2000 | Fax: 888-888-1448

PROJECT OWNER:
HOMEFED CORPORATION
Carlsbad, CA

PROJECT NAME AND LOCATION:
OTAY RANCH VILLAGE 8
Chula Vista, CA

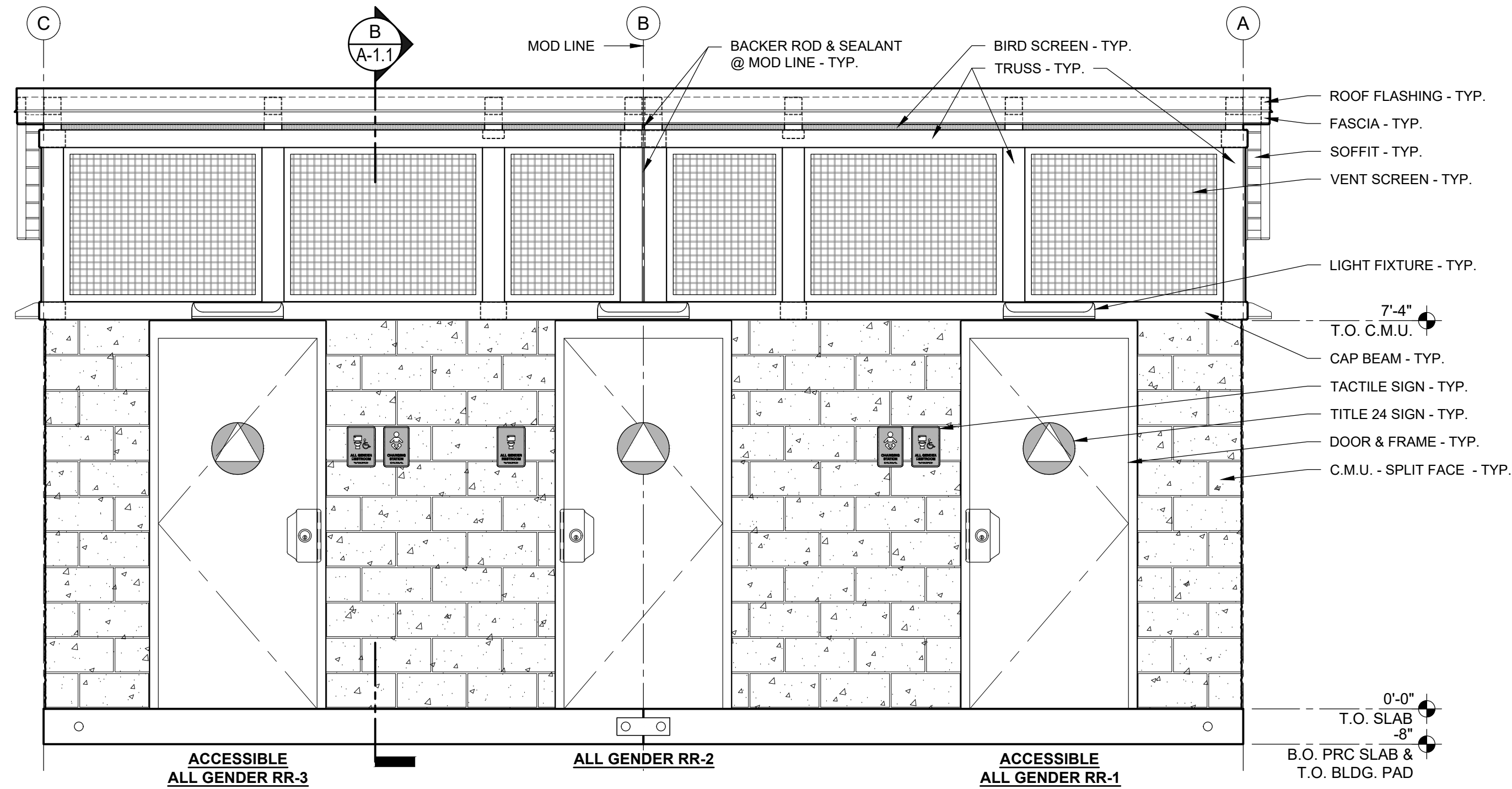
SHEET TITLE:
ROOF FRAMING PLAN, BUILDING SECTIONS & FASTENING SCHEDULE

Drawn by: **PD** Job No. **11385A**
Checked by: **JC / KM**
Current Date: **05/16/2023**
Start Date: **02/22/2023**

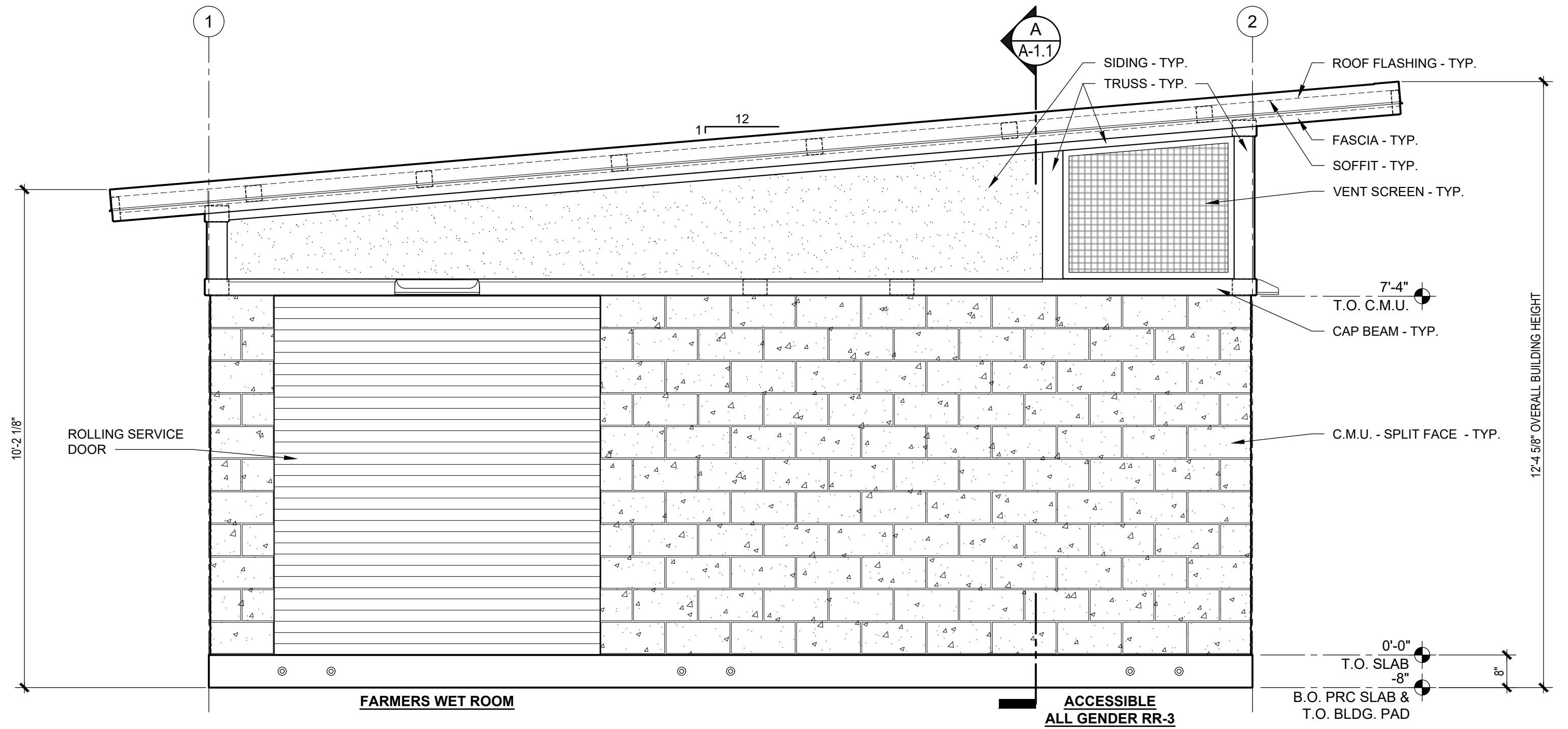
A-1.1

EXTERIOR FINISH SCHEDULE

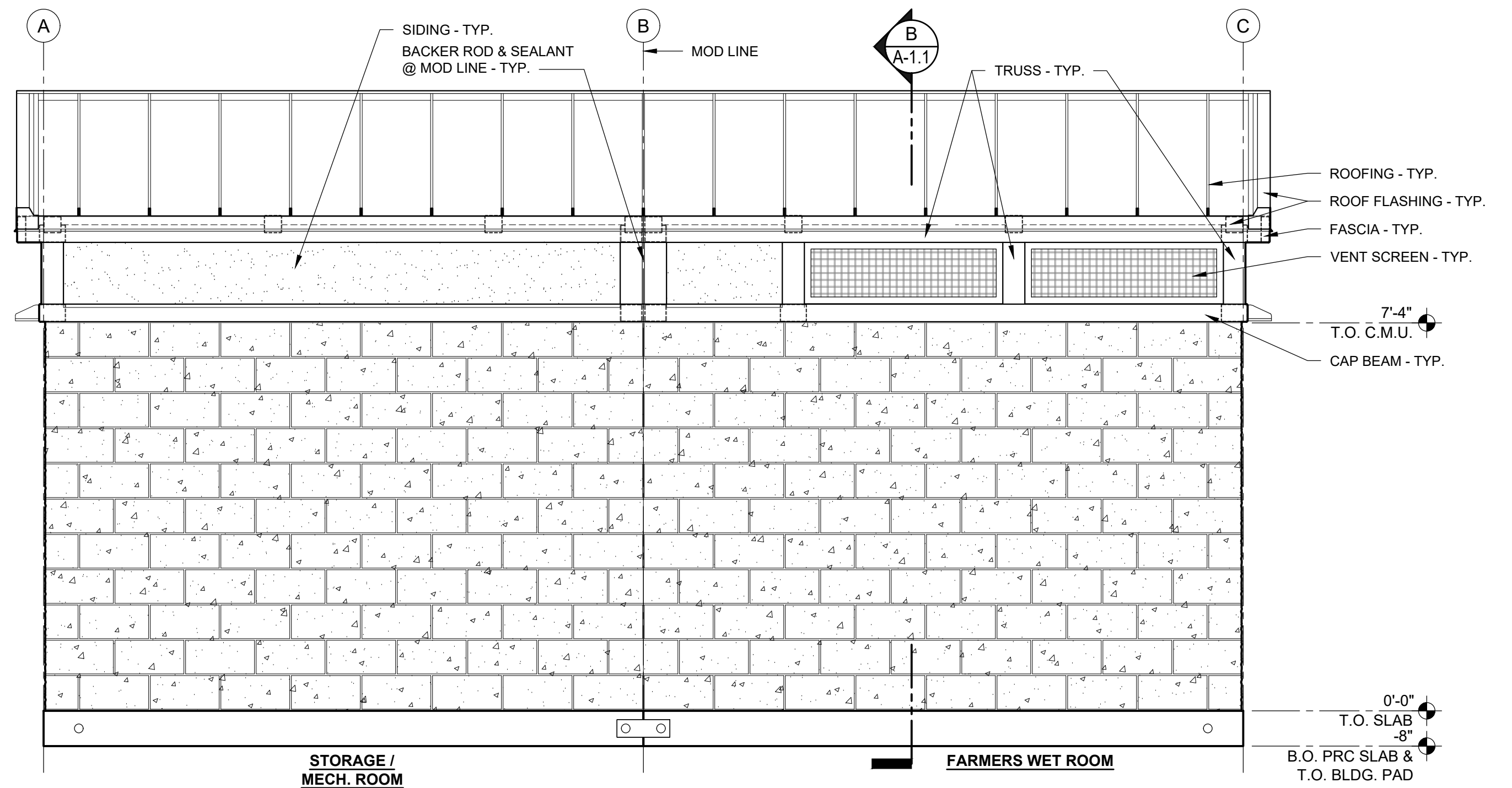
| TYPE | DESCRIPTION | FINISH | BRAND / COLOR | NOTES |
|---------------------------|---|-------------|---|--|
| TO CAP BEAM | | | | |
| C.M.U. | SPLIT FACE | PAINTED | PITTSBURGH PITT-TECH / HALF DOME - PPG 0994-3 | 2 COATS BLOCK FILLER, 2 COATS FINISH - GLOSS |
| CAP BEAM | STEEL | PAINTED | PITTSBURGH PITT-TECH / PENCILPOINT - PPG 0994-7 | 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |
| ABOVE CAP BEAM | | | | |
| TRUSSES | STEEL | PAINTED | PITTSBURGH PITT-TECH / PENCILPOINT - PPG 0994-7 | 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |
| SIDING | F.R.C. - TEXTURED PATTERN | PAINTED | PITTSBURGH PITT-TECH / PENCILPOINT - PPG 0994-7 | 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |
| VENT SCREENS | FRAME - 1 1/2" x 1 1/2" 1/8" STEEL ANGLE BAR | PAINTED | PITTSBURGH PITT-TECH / PENCILPOINT - PPG 0994-7 | 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |
| | WIRE MESH - 1" x 1" x 3/16" STAINLESS STEEL | NATURAL | - | - |
| ROOF | | | | |
| ROOFING | 24 GA. 16" STRIATED STANDING SEAM METAL ROOF PANELS | PREFINISHED | METAL SALES - VERTICAL SEAM / SLATE GRAY (W38) | - |
| ROOF FLASHINGS | 24 GA. METAL | PREFINISHED | METAL SALES - VERTICAL SEAM / MATCH ROOF COLOR | - |
| FASCIA | STEEL | PAINTED | PITTSBURGH PITT-TECH / PENCILPOINT - PPG 0994-7 | 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |
| SOFFITS | UNDERSIDE OF METAL ROOF PANELS | PREFINISHED | METAL SALES / WHITE | - |
| | STEEL ROOF MEMBERS | PAINTED | PITTSBURGH PITT-TECH / PENCILPOINT - PPG 0994-7 | 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |
| BIRD SCREENS | PERFORATED METAL | PAINTED | PITTSBURGH PITT-TECH / PENCILPOINT - PPG 0994-7 | 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |
| DOORS & FRAMES | | | | |
| DOORS & FRAMES | HOLLOW METAL | PAINTED | PITTSBURGH PITT-TECH / PENCILPOINT - PPG 0994-7 | 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |
| ROLLING SERVICE DOOR | STEEL | PREFINISHED | OVERHEAD DOOR - POWDER COATED / RAL-7005 | - |
| OTHER | | | | |
| MISC. FLASHINGS | GALV. METAL OVER CAP BEAM @ AREAS WITH SIDING | PAINTED | PITTSBURGH PITT-TECH / MATCH ADJACENT COLOR | 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |



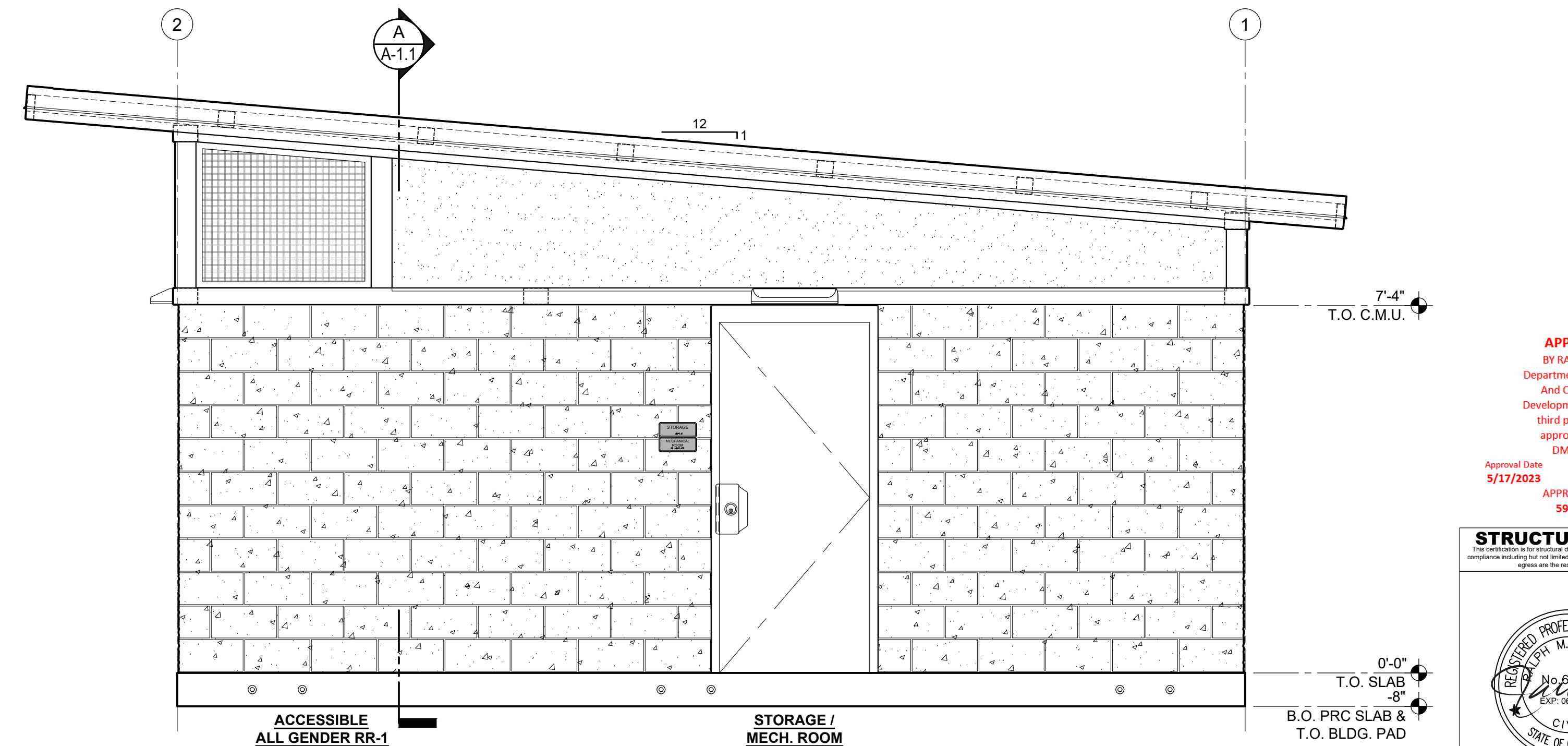
1 EXTERIOR ELEVATION
SCALE: 1/2" = 1'-0"



2 EXTERIOR ELEVATION
SCALE: 1/2" = 1'-0"



3 EXTERIOR ELEVATION
SCALE: 1/2" = 1'-0"



4 EXTERIOR ELEVATION
SCALE: 1/2" = 1'-0"

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DO NOT SCALE - DIMENSIONS PRESIDE
2x48 SHEET - SCALE AS NOTED
11x17 SHEET - NTS

| No. | Description | Date |
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PROJECT OWNER:
HOMEFED CORPORATION
Carlsbad, CA

PROJECT NAME AND LOCATION:
OTAY RANCH VILLAGE 8
Chula Vista, CA

SHEET TITLE:
EXTERIOR ELEVATIONS & FINISH SCHEDULE

Drawn by: **PD** Job No. **11385A**
Checked by: **JC / KM**
Current Date: **05/16/2023**
Start Date: **02/22/2023**

A-2

CONSTRUCTION DOCUMENTS - 05/16/2023

OTAY RANCH VILLAGE 8 - RR BLDG. A - Chula Vista, CA

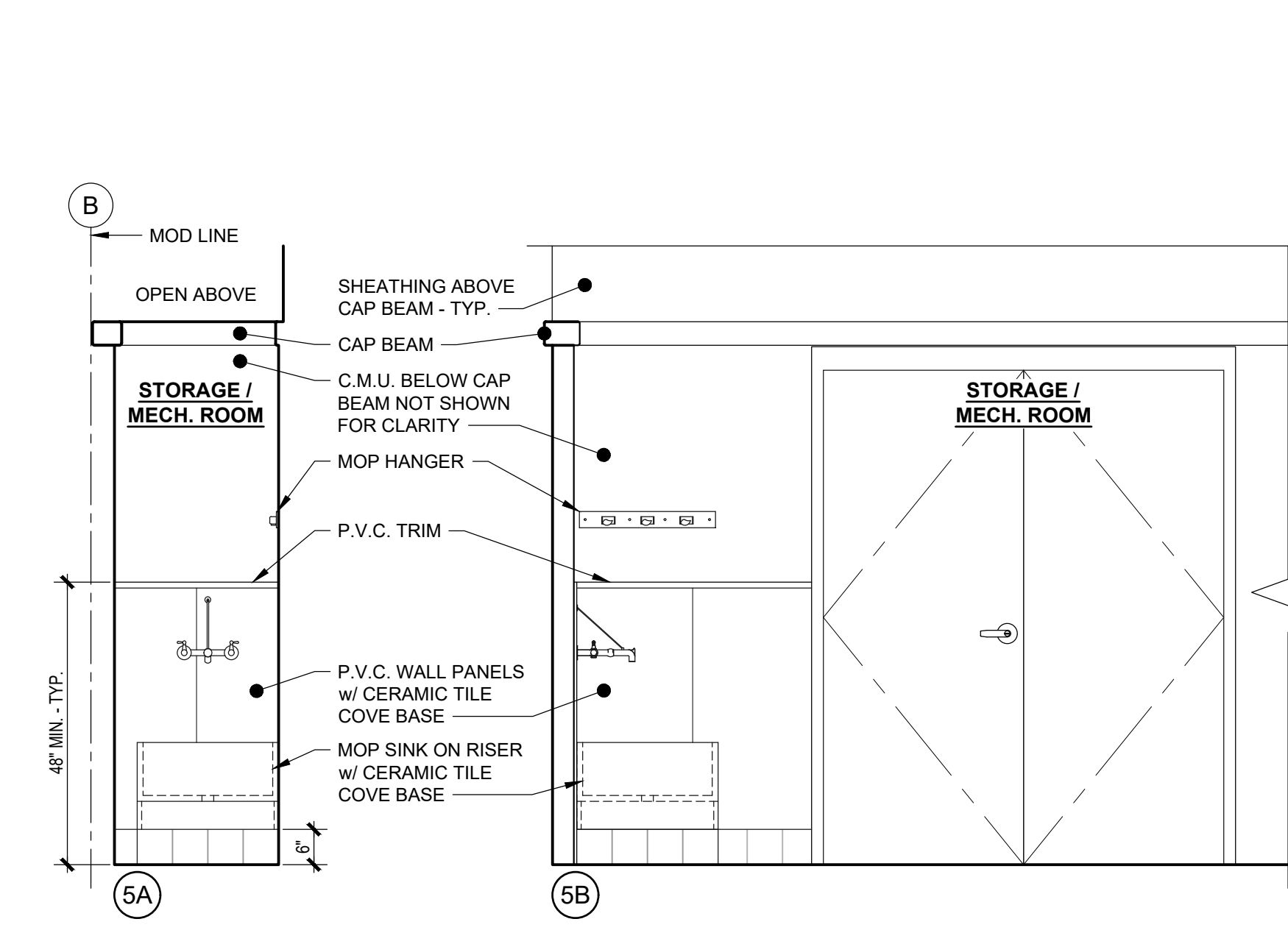
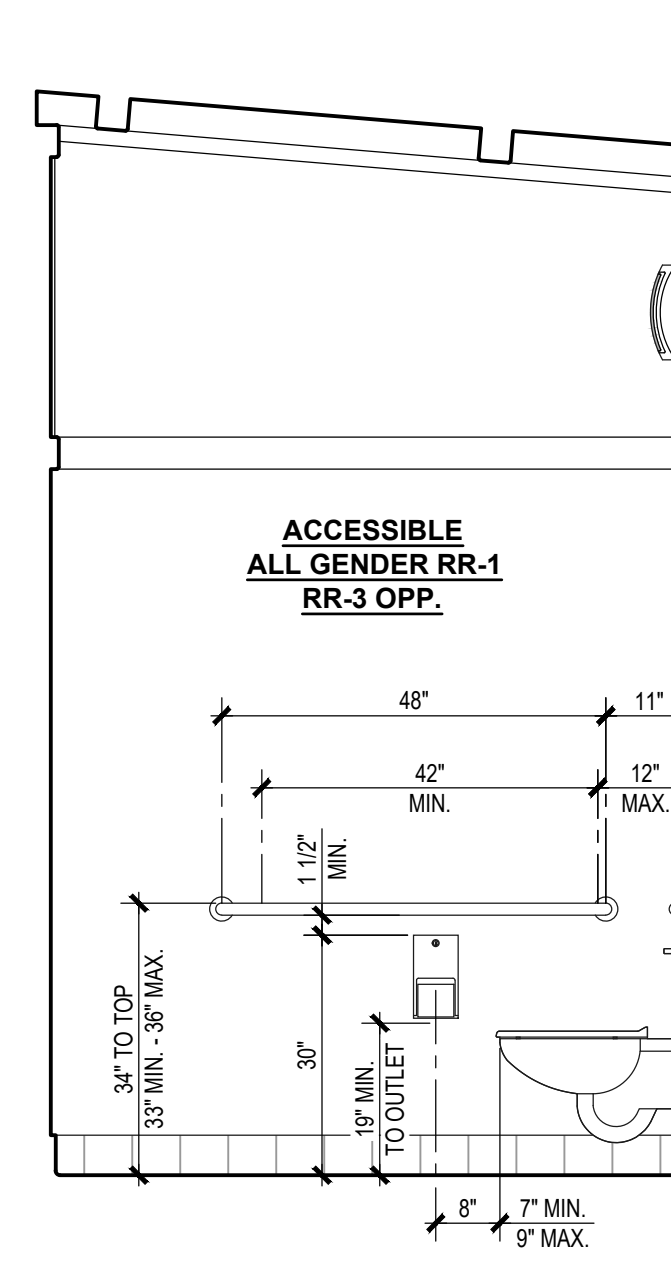
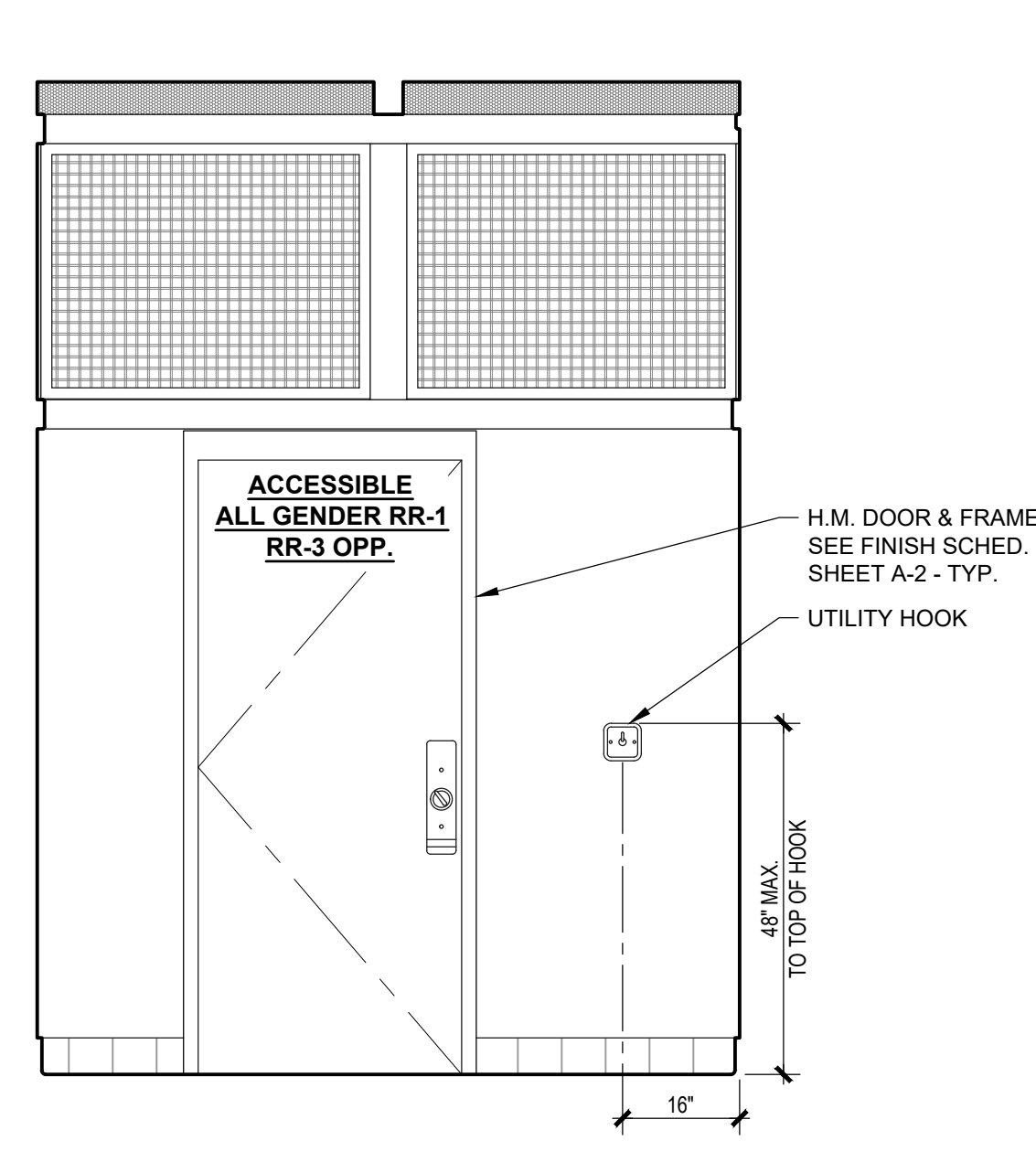
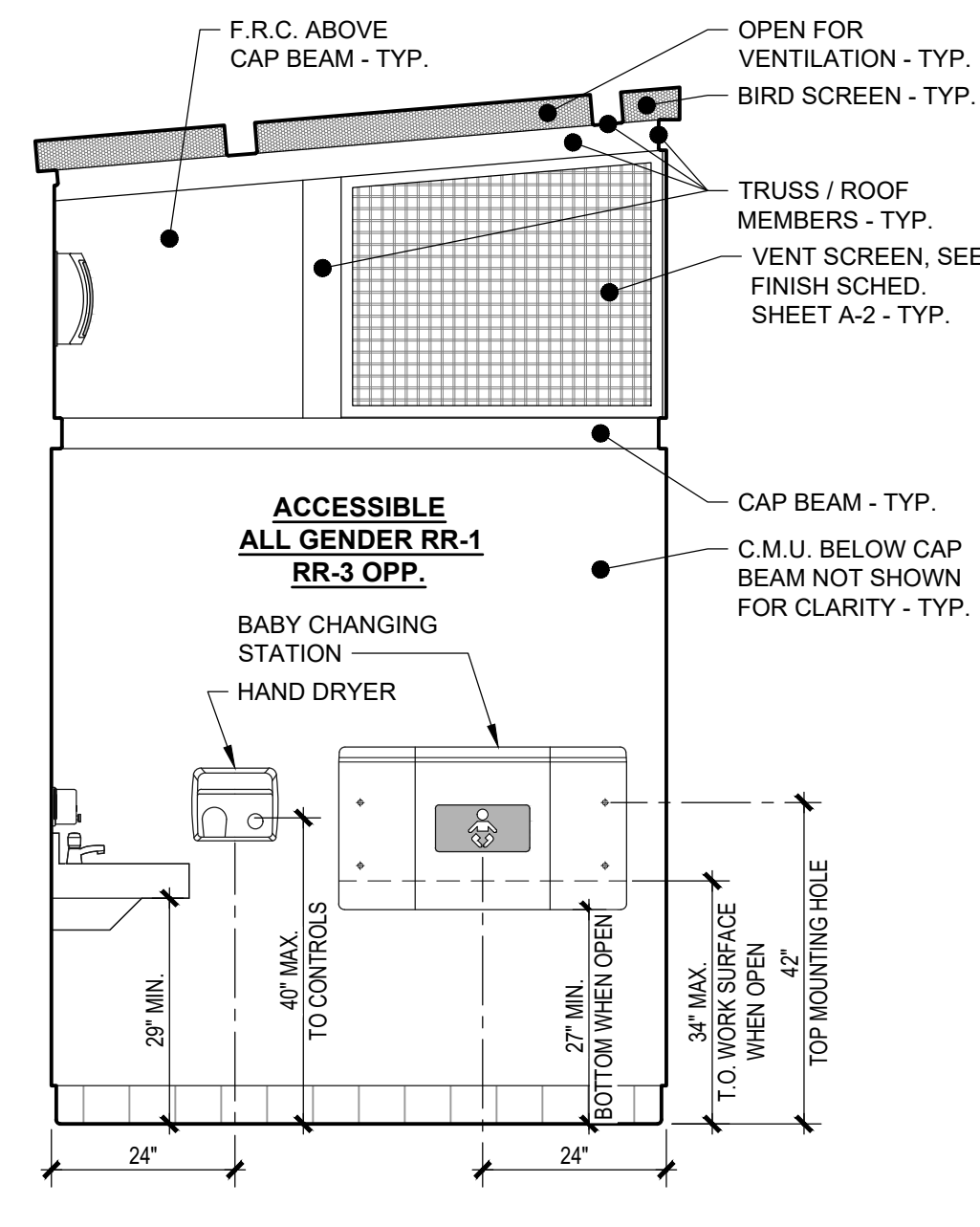
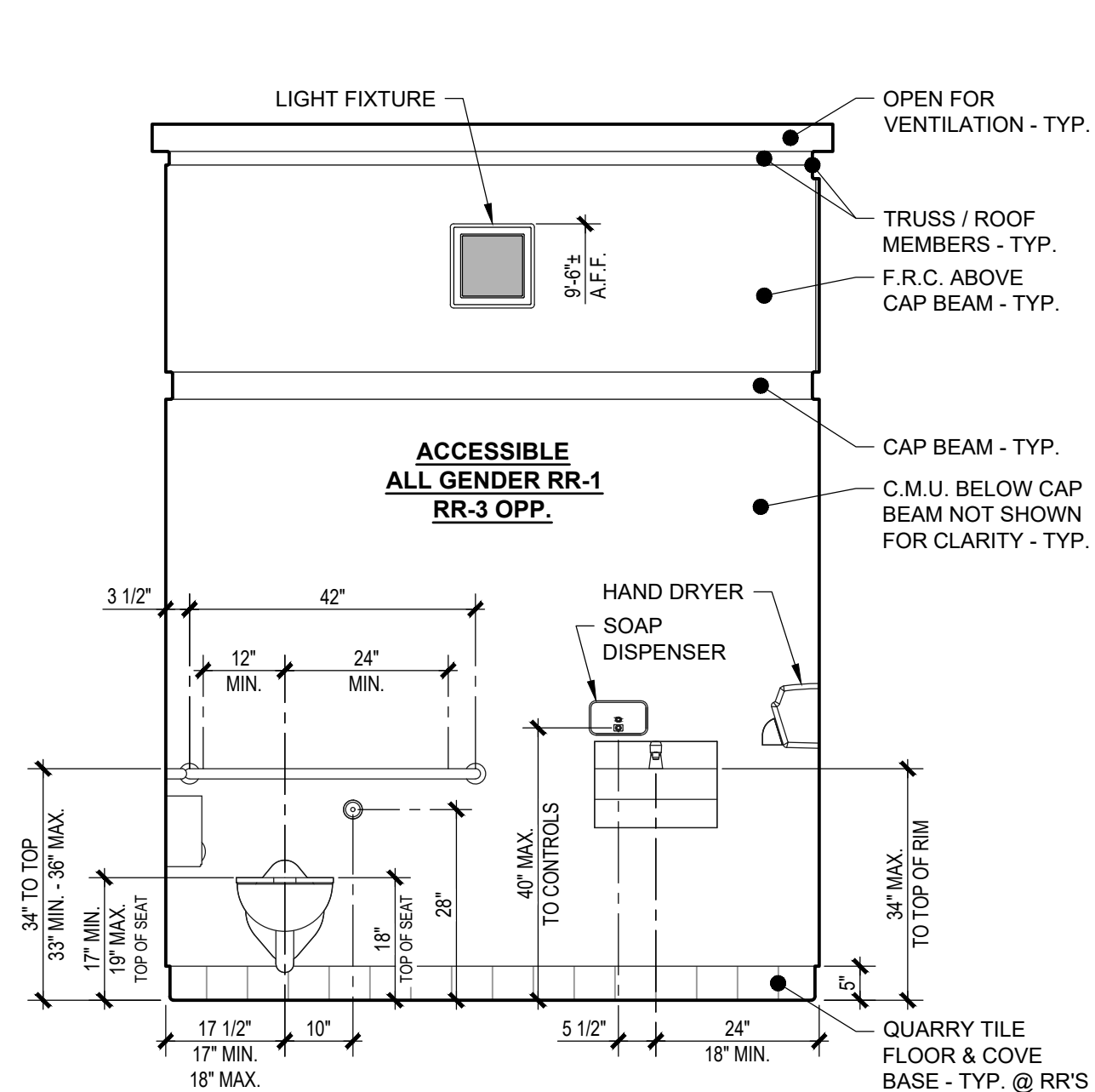
RESTROOM ACCESSORIES & SPECIALTIES

MOUNT WITH VANDAL RESISTANT SS SCREWS

| ACCESSORIES | QTY | SIZE / STYLE | MANUF. / ITEM # | PRC# | FINISH / COLOR / STYLE | NOTES |
|---|-----|---|----------------------------|-------|-----------------------------|---|
| GRAB BAR | 2 | 42" | BOBRICK B-6806-42 (OR EQ.) | H1118 | STAINLESS STEEL | MOUNT 34" A.F.F. TO TOP (33" MIN. - 36" MAX.) |
| GRAB BAR | 2 | 48" | BOBRICK B-6806-48 (OR EQ.) | H1119 | STAINLESS STEEL | MOUNT 34" A.F.F. TO TOP (33" MIN. - 36" MAX.) |
| TOILET PAPER HOLDER | 3 | SURFACE MOUNTED 2-ROLL | BRADLEY 5402 | - | STAINLESS STEEL | MOUNT 30" A.F.F. TO TOP |
| BABY CHANGING STATION | 2 | SURFACE MOUNTED | FOUNDATIONS 200-EH-01 | H1108 | STAINLESS STEEL / GRAY POLY | MOUNT 34" MAX. A.F.F. TO TOP OF WORK SURFACE |
| HAND DRYER | 3 | SURFACE MOUNTED | WORLD DRYER DA52-973 | - | STAINLESS STEEL / BRUSHED | MOUNT 40" MAX. A.F.F. TO CONTROLS |
| UTILITY HOOK | 3 | SURFACE MOUNTED | ACORN 1830 | H1144 | STAINLESS STEEL | MOUNT 48" MAX. A.F.F. TO TOP OF HOOK |
| SOAP DISPENSER | 3 | SURFACE MOUNTED | BRADLEY 6542 | - | STAINLESS STEEL | MOUNT 40" MAX. A.F.F. TO CONTROLS |
| SIGN - TACTILE "ALL GENDER RESTROOM" ACCESSIBLE | 2 | RECESSED | SIGN ELEMENTS | H1315 | ALUMINUM BLUE | MOUNT 64" A.F.F. TO TOP - SEE SHEET A-2 |
| SIGN - TACTILE "ALL GENDER RESTROOM" | 1 | RECESSED | SIGN ELEMENTS | H1310 | ALUMINUM BLUE | MOUNT 64" A.F.F. TO TOP - SEE SHEET A-2 |
| SIGN - CA TITLE 24 PICTOGRAM "BLANK" | 3 | 12" CIRCLE / TRIANGLE - SURFACE MOUNTED | SIGN ELEMENTS | H1307 | BLUE ON SILVER | MOUNT 59" A.F.F. TO CENTER - SEE SHEET A-2 |
| SIGN - TACTILE "BABY CHANGING STATION" | 2 | RECESSED | SIGN ELEMENTS | H1320 | ALUMINUM BLUE | MOUNT 64" A.F.F. TO TOP - SEE SHEET A-2 |
| SIGN - TACTILE "STORAGE" | 1 | RECESSED | SIGN ELEMENTS | H1333 | ALUMINUM BLUE | MOUNT 60" A.F.F. TO TOP - SEE SHEET A-2 |
| SIGN - TACTILE "MECHANICAL ROOM" | 1 | RECESSED | SIGN ELEMENTS | H1331 | ALUMINUM BLUE | MOUNT BELOW "STORAGE" SIGN - SEE SHEET A-2 |

INTERIOR FINISH SCHEDULE

| COMPONENT | DESCRIPTION | FINISH | BRAND / COLOR | NOTES |
|----------------------|--|--|---|---|
| FLOOR | | | | |
| RESTROOMS | CONCRETE | 6x6 QUARRY TILE 6x5 QUARRY COVE BASE | DALTILE - QUARRY TEXTURES / ASHEN GRAY - OT03 | EPOXY GROUT COLOR: BISCUIT - 14; DO NOT SEAL CONCRETE |
| STORAGE / MECH. ROOM | CONCRETE | POLYMER COATING | CROWN POLYMERS / GRAY | SKID RESISTANT COLOR CHIPS: A1435 - BLUE BLEND #B22-2104 |
| FARMERS WET ROOM | CONCRETE | POLYMER COATING 6x6 CERAMIC COVE BASE | CROWN POLYMERS / GRAY DALTILE - GLAZED CERAMIC - S3619TN / ARCTIC WHITE 0190 | SKID RESISTANT COLOR CHIPS: A1435 - BLUE BLEND #B22-2104 EPOXY GROUT COLOR: BISCUIT - 14 |
| WALLS | | | | |
| RESTROOMS | C.M.U. - PRECISION | BLOCK FILLER / PAINTED | PITTSBURGH PITT-TECH / PURE WHITE - 90-374 | 2 COATS BLOCK FILLER, 2 COATS FINISH / SEMI-GLOSS |
| CAP BEAM & TRUSSES | STEEL | PAINTED | PITTSBURGH PITT-TECH / PURE WHITE - 90-374 | 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |
| ABOVE CAP BEAM | F.R.C. - TEXTURED PATTERN | PAINTED | PITTSBURGH PITT-TECH / PURE WHITE - 90-374 | 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |
| STORAGE / MECH. ROOM | C.M.U. - PRECISION | BLOCK FILLER / PAINTED | PITTSBURGH PITT-TECH / PURE WHITE - 90-374 | 1 COAT BLOCK FILLER, 1 COAT FINISH / SEMI-GLOSS |
| | P.V.C. PANELS & TRIM | PREFINISHED | EXTRUTECH PLASTICS / WHITE | BEHIND MOP SINK; CLASS A RATED |
| CAP BEAM & TRUSSES | STEEL | PAINTED | PITTSBURGH PITT-TECH / PURE WHITE - 90-374 | 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |
| ABOVE CAP BEAM | WOOD SHEATHING | PAINTED | PITTSBURGH PITT-TECH / PURE WHITE - 90-374 | 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |
| FARMERS WET ROOM | C.M.U. - PRECISION | BLOCK FILLER / PAINTED | PITTSBURGH PITT-TECH / PURE WHITE - 90-374 | 2 COATS BLOCK FILLER, 2 COATS EPOXY FINISH / SEMI-GLOSS |
| CAP BEAM & TRUSSES | STEEL | PAINTED | PITTSBURGH PITT-TECH / PURE WHITE - 90-374 | 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |
| ABOVE CAP BEAM | F.R.C. - TEXTURED PATTERN | PAINTED | PITTSBURGH PITT-TECH / PURE WHITE - 90-374 | 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |
| CEILING | | | | |
| ALL ROOMS | UNDERSIDE OF METAL ROOFING STEEL ROOF MEMBERS | PREFINISHED PAINTED | METAL SALES / WHITE PITTSBURGH PITT-TECH / PURE WHITE - 90-374 | - 1 COAT PRIMER, 2 COATS FINISH / SEMI-GLOSS |



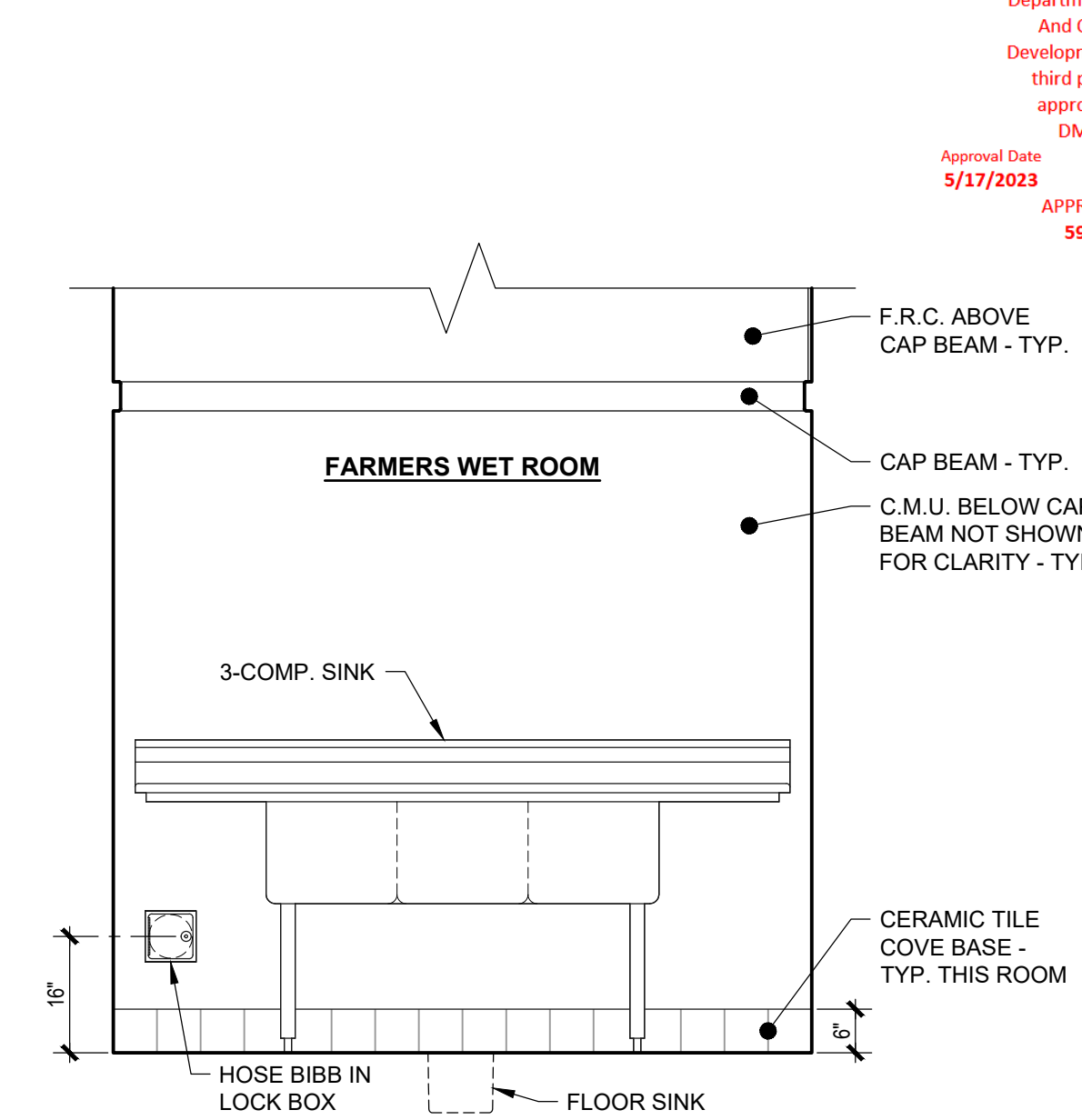
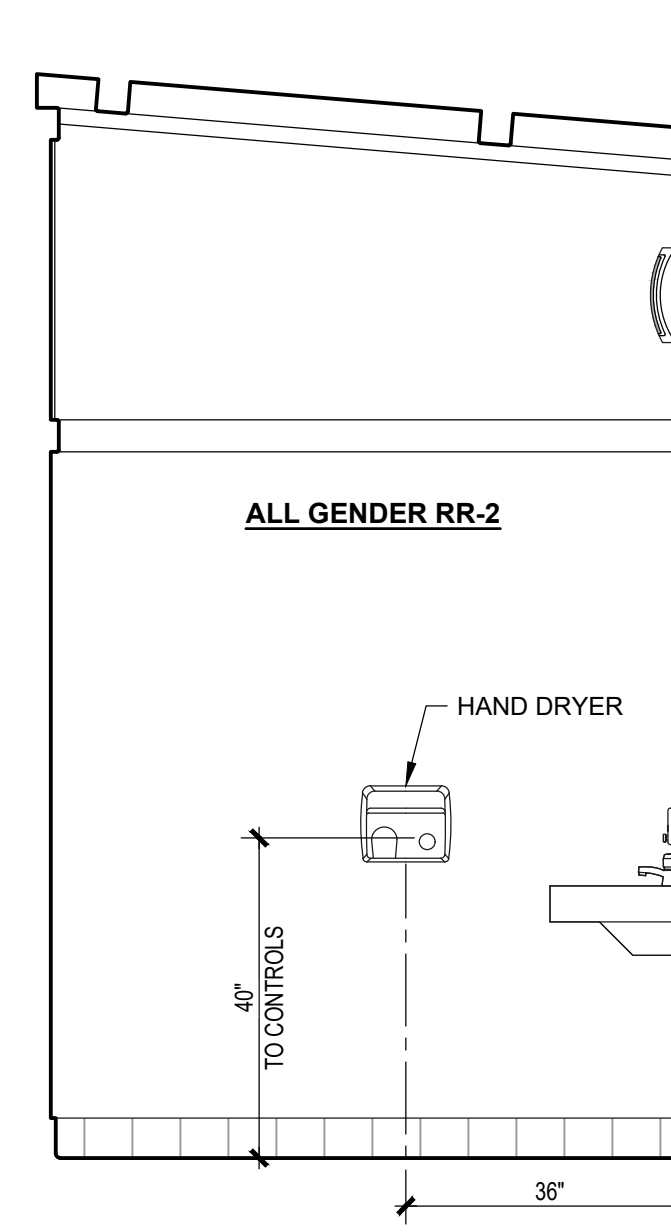
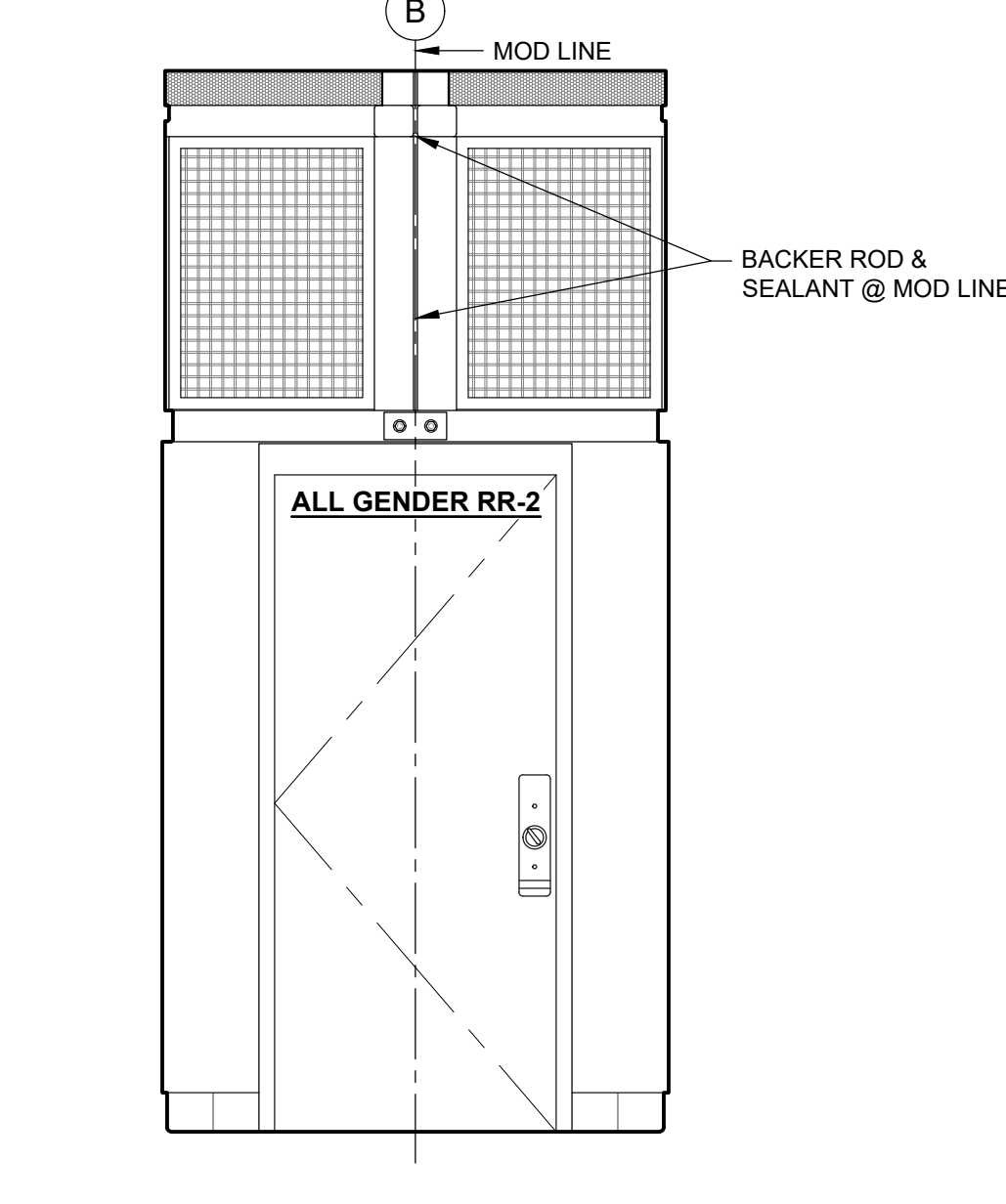
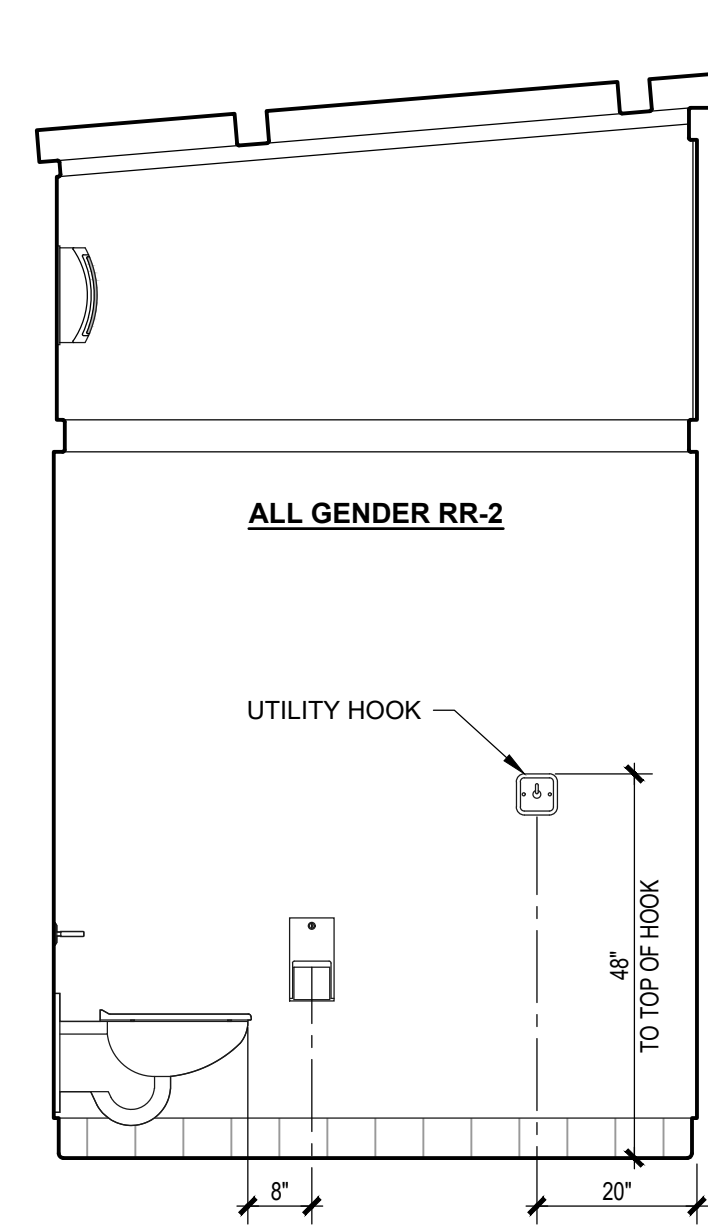
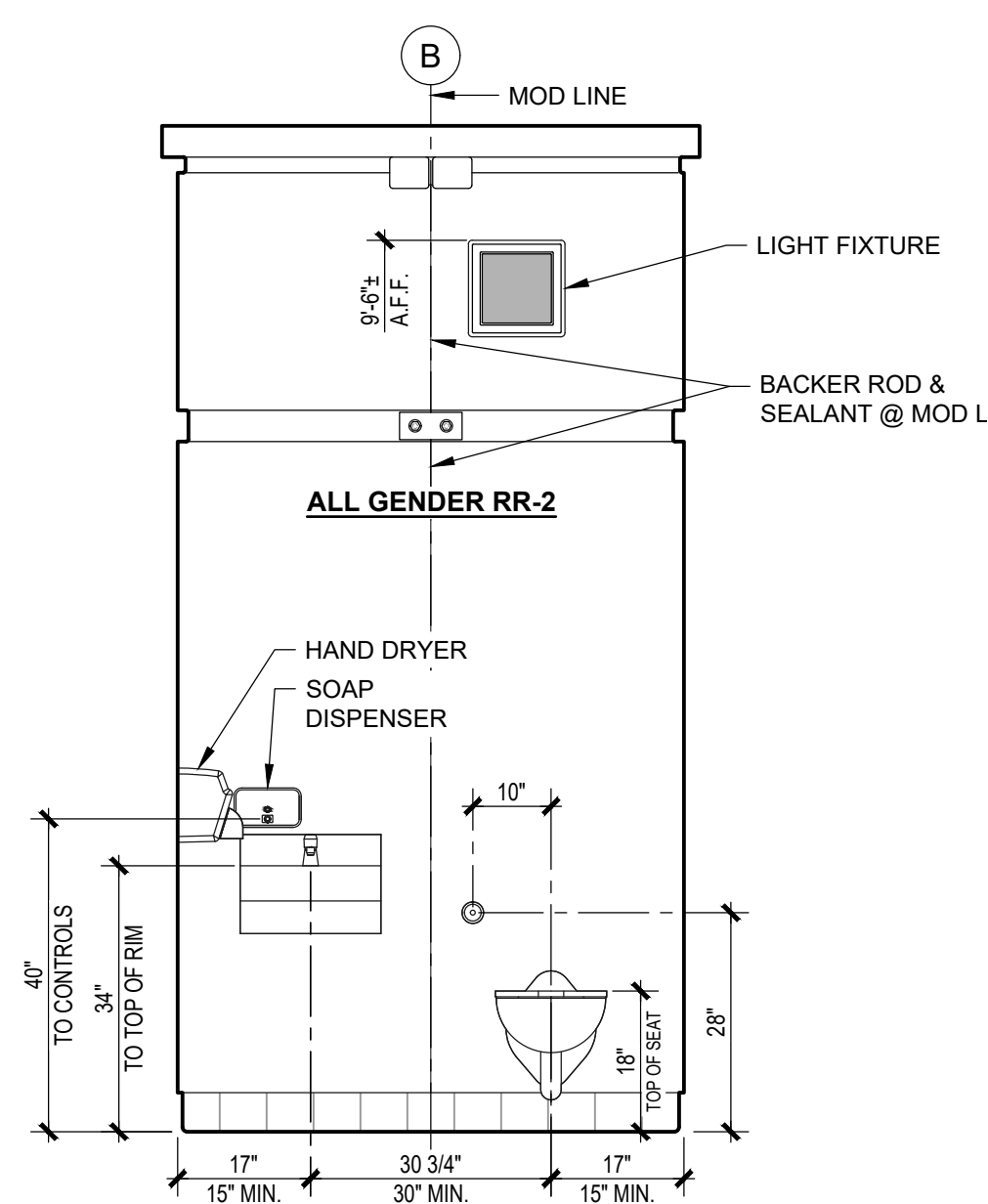
1 INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"

2 INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"

3 INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"

4 INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"

5 INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"



6 INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"

7 INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"

8 INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"

9 INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"

10 INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"

APPROVED
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Approval Date: 5/17/2023
Expiration Date: 8/31/2024
APPROVAL NO. 591-1254

DO NOT SCALE - DIMENSIONS PRESIDE
24x36 SHEET - SCALE AS NOTED
11x17 SHEET - NTS

| No. | Description | Date |
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05/16/2023

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PROJECT OWNER:
HOMEFED CORPORATION
Carlsbad, CA

PROJECT NAME AND LOCATION:
OTAY RANCH VILLAGE 8
Chula Vista, CA

SHEET TITLE:
INTERIOR ELEVATIONS & SCHEDULES

Drawn by: **PD** Job No. **11385A**
Checked by: **JC / KM**
Current Date: **05/16/2023**
Start Date: **02/22/2023**

A-3

CONSTRUCTION DOCUMENTS - 05/16/2023
OTAY RANCH VILLAGE 8 - RR BLDG. A - Chula Vista, CA

| PLUMBING COMPONENTS SCHEDULE | | | |
|------------------------------|---|---|-------------|
| QTY. | COMPONENT | DESCRIPTION | PRC # |
| 3 | WATER CLOSET - Stainless Steel, Wall Mount | ACORN 1675-W-1-HET 1.28 GPF-FVBO-ADA-PFS-316SS | K1299 |
| 3 | WATER CLOSET FLUSH VALVE - Lever | SLOAN ROYAL 143-1.28-7L | K1530 |
| 3 | TOILET SEAT - Heavy Duty, Elongated, Open Front | BEMIS 1955SST - BLACK | K1323 |
| 3 | LAVATORY - Stainless Steel, Wall Mount | ACORN 1652-LRB-1-DMS-03-M-316SS | K1099 |
| 3 | LAVATORY FAUCET - Chrome, Metered, Tempered | CHICAGO #333-E2805-665 PSHABCP | K1604 |
| 3 | FLOOR DRAIN | ZURN ZN460-5B-2NH | K1700 |
| 3 | TRAP PRIMER | PROFLO #PFTPR500 | K1705 |
| 3 | TRAP PRIMER PVC REDUCING ADAPTER | PPA-2P625 | K1587 |
| 1 | FLOOR SINK - White, 1/2 Grate | WATTS FS-743-P-150 | K1707 |
| 1 | 3-COMPARTMENT SINK - Stainless Steel | ADVANCE TABCO FC-3-1818-18RL | - |
| 1 | 3-COMPARTMENT SINK FAUCET - Chrome | CHICAGO 445-DJ18CP | K1605 |
| 1 | MOP SINK - Mount On Riser, White | MUSTEE 63M - 24" x 24" x 10" | K1158 |
| 1 | MOP SINK FAUCET - Chrome, Wall Mount | AMERICAN STANDARD #8344.212 | K1610 |
| 1 | MOP HANGER - Wall Mount | PRO-FLO PF245 - MOUNT NEAR MOP SINK | K1680 |
| 1 | HOSE REEL - Interior | STRONGWAY #46434 | K1595.5 |
| 1 | HOSE - Interior, Heavy Duty | TEKNOR APEX 5/8" x 100' #8617-100 (OR EQUAL) | K1596.7 |
| 2 | HOSE BIBB - Interior, Storage / Mech. Room | ACORN #8121-LF | K1575 |
| 1 | HOSE BIBB - Interior, S.S. Lock Box, Farmers Wet Room | JAY R SMITH #5509QT-R-150 | K1578 |
| 1 | WATER HEATER - Tank Type, Low Boy, 50 Gallons | ELECTRIC - REFER TO SHEET E-1 | - |
| 1 | EXPANSION TANK - 2 Gallon | PROFLO #PXT5 | K1690 |
| 3 | THERMOSTATIC MIXING VALVE | ACORN MODEL #ST70-12 | K1615 |
| 1 | PRESSURE GAUGE - 100 psi. | PROFLO PFXPG100K (FOR DOWNSTREAM) | K1689 |
| 1 | PRESSURE GAUGE - 200 psi. | PROFLO PFXPG200K (FOR UPSTREAM) | K1689.5 |
| 1 | CHECK VALVE - 1 1/2" - Spring Type, Sweat | NIBCO #S-480-Y-LF | K1568.7 |
| 1 | PRESSURE REDUCING VALVE - 1 1/2" | WATTS LF25AUB-Z3 | K1559 |
| 1 | WATER FILTER - 1 1/2" | KEYSTONE CG10 | K1591/92/94 |
| 1 | BALL VALVE - 1 1/2" | NIBCO S-FP-600N | K1566 |
| 1 | BALL VALVE - 1 1/4" (Prep for future tank) | NIBCO S-FP-600N | K1563 |
| TBD | BALL VALVE - 1/2" - Isolation, drain & bleed valve | NIBCO S-FP-600N | K1560 |
| 2 | HAMMER ARRESTOR | PPA SIVA 1" | K1590 |
| TBD | RELIEF VALVE - For WH-1/2" Relief / Blead Valve | PEX COMPRESSION STRAIGHT STOP VALVE #ULF4420500 | K7905 |
| TBD | RELIEF VALVE - For COMBO-1/2" Relief / Blead Valve | PEX COMPRESSION ANGLE STOP VALVE #ULF4410500 | K7910 |
| 1 | VENT CAP - 4" | JAY R SMITH 1748 | K1582 |
| 1 | CURB STOP - 1 1/2" | MUELLER H-15015 | K1585 |

| PIPE SCHEDULE | PIPE MATERIAL | | | | | |
|-------------------|---------------|-----------------|-----------------|---------------------|--------------------|-------------------|
| | PEX PIPE | TYPE "L" COPPER | TYPE "K" COPPER | SCHED. 40 PVC WATER | CAST IRON "NO HUB" | SCHED. 40 PVC DWV |
| WATER | ABOVE GROUND | ✓ | | | | |
| | BELOW GROUND | | ✓ | | | |
| SANITARY DRAINAGE | ABOVE GROUND | | | | ✓ | |
| | BELOW GROUND | | | | ✓ | |
| SANITARY VENT | ABOVE GROUND | | | | ✓ | |
| | ABOVE ROOF | | | | ✓ | |

NOTES:
 PER 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE CHAPTER 5 - SECTION 5.303.3 - INDOOR WATER USE

- WATER CLOSET FLUSH VALVE SHALL NOT EXCEED 1.28 gpf.
- LAVATORY METERING FAUCETS SHALL NOT EXCEED 0.20 gal. per CYCLE.
- SINK FAUCETS SHALL NOT EXCEED 1.8 GALLONS PER MINUTE @ 60 psi.

LEGEND:
 CO = CLEAN OUT
 --- VENT PIPE
 --- WASTE PIPE

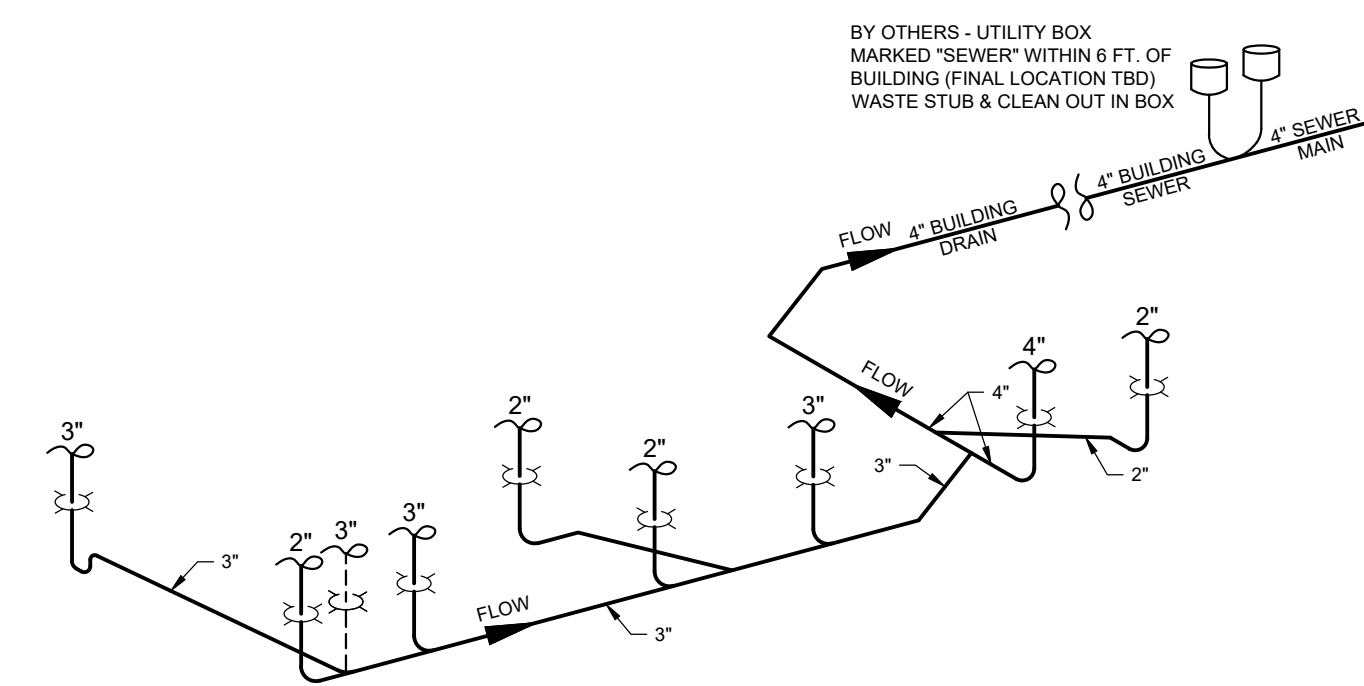
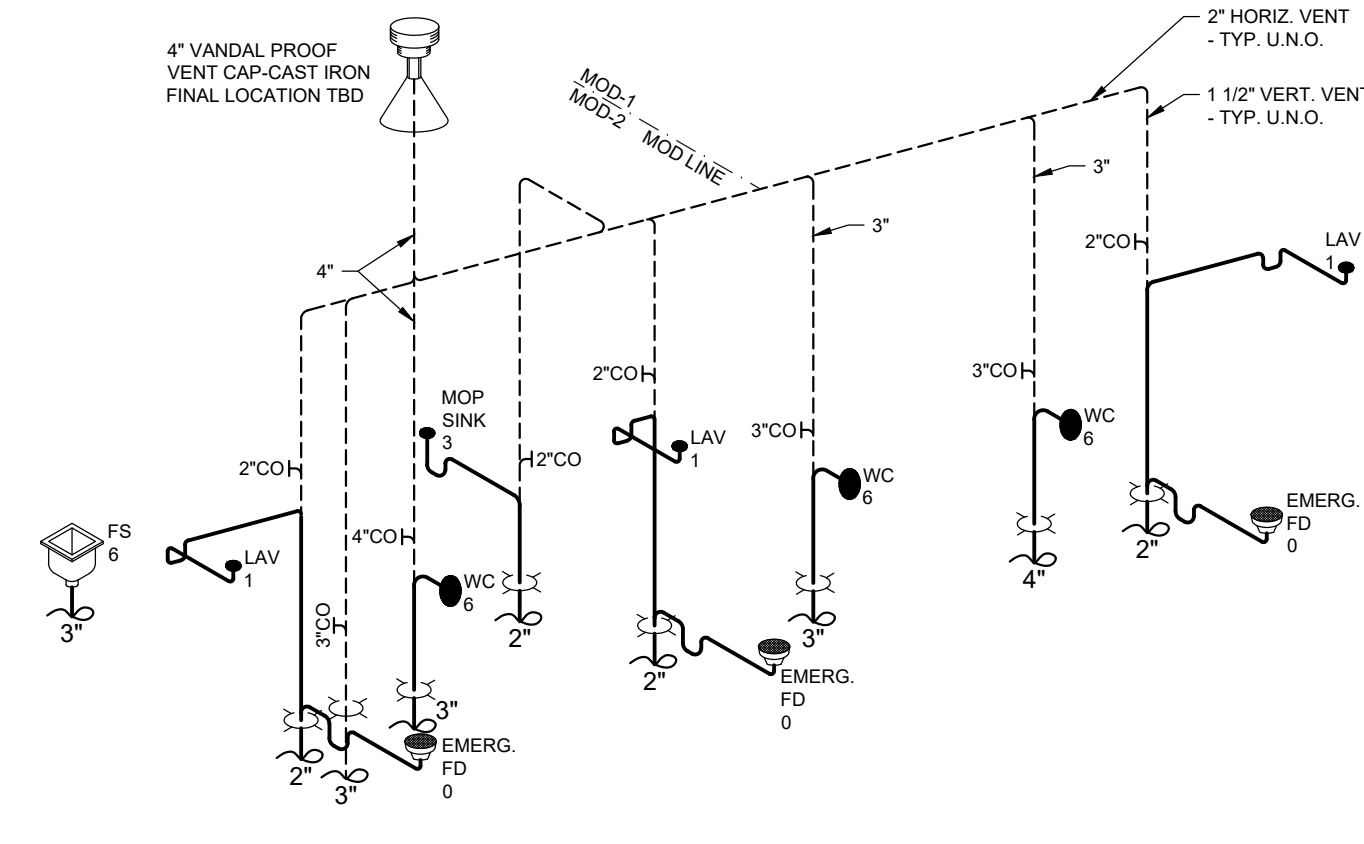
WASTE AND VENT PIPING:

- FIXTURE UNITS _____ 30
- SIZE OF BUILDING FLOOR DRAINS _____ 2"
- SIZE OF BUILDING SEWER _____ 4"
- SIZE OF SEWER MAIN _____ 4"
- AGGREGATE AREA _____ 12,566 SQ. IN.

D.W.V. ABOVE GROUND PVC SCH 40 OR ABS SCH 40
 D.W.V. BELOW GROUND PVC SCH 40 OR ABS SCH 40

GENERAL NOTES:

- SIZED TO 2022 CALIFORNIA PLUMBING CODE
- CONTINUATION OF WASTE TO MAIN SEWER TO BE DONE ON SITE BY OTHERS.
- ALL FLOOR DRAINS SHALL TRAP IN UTILITY ROOM AND HAVE REMOVABLE TRAPS FOR WINTERIZATION.
- V.T.R. SHALL BE CAST IRON WITH VANDAL CAP TO 24" BELOW ROOF.
- LAVATORY TRAPS IN UTILITY ROOM SHALL HAVE DRAIN PLUGS FOR WINTERIZATION.
- SLOPE ALL D.W.V. PIPING 1/4" NOM DRAIN LINE TO BE SLOPED TO MAIN SEWER LINE.



4 WASTE & VENT PIPING ISOMETRIC
 SCALE: NOT TO SCALE

LEGEND:
 --- COLD WATER LINE - SIZE AS INDICATED
 --- 3/4" HOT WATER LINE - INSULATED
 --- 1/2" FLEXIBLE TEMPERED WATER LINE

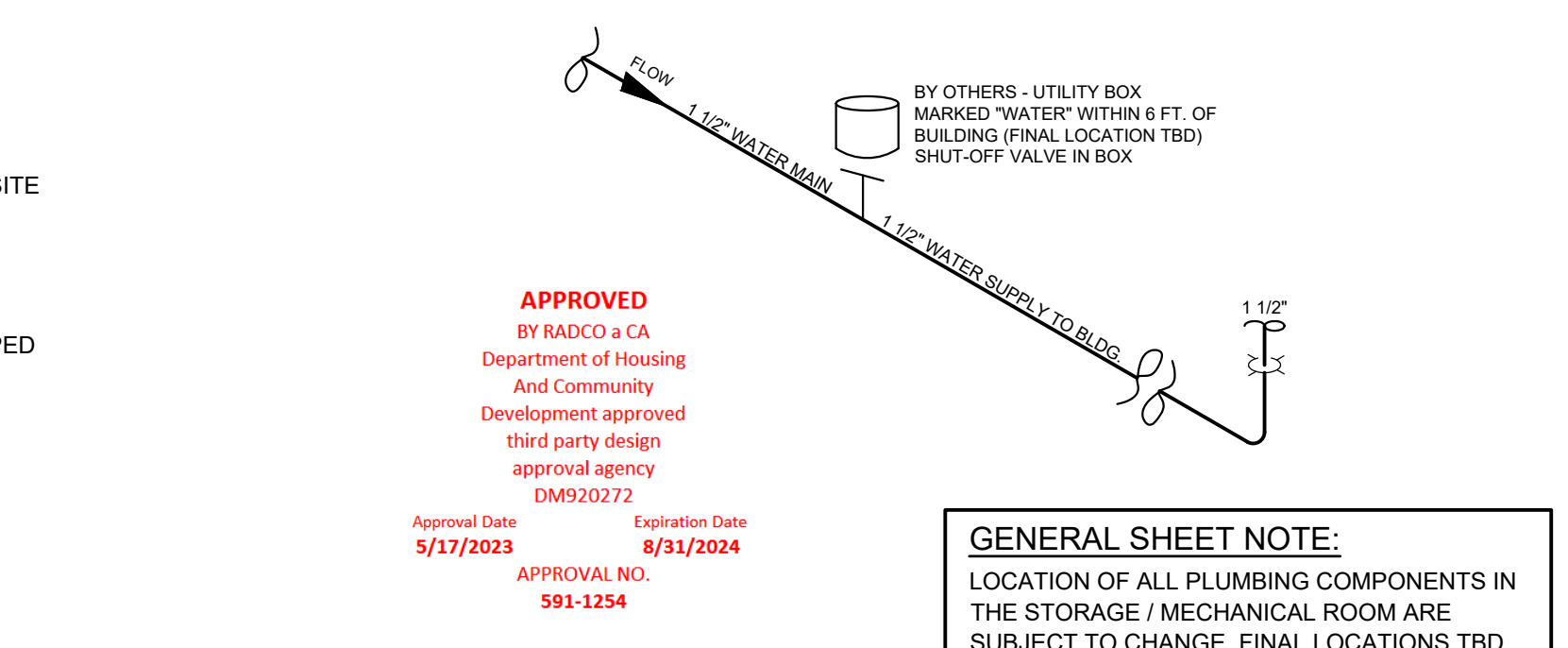
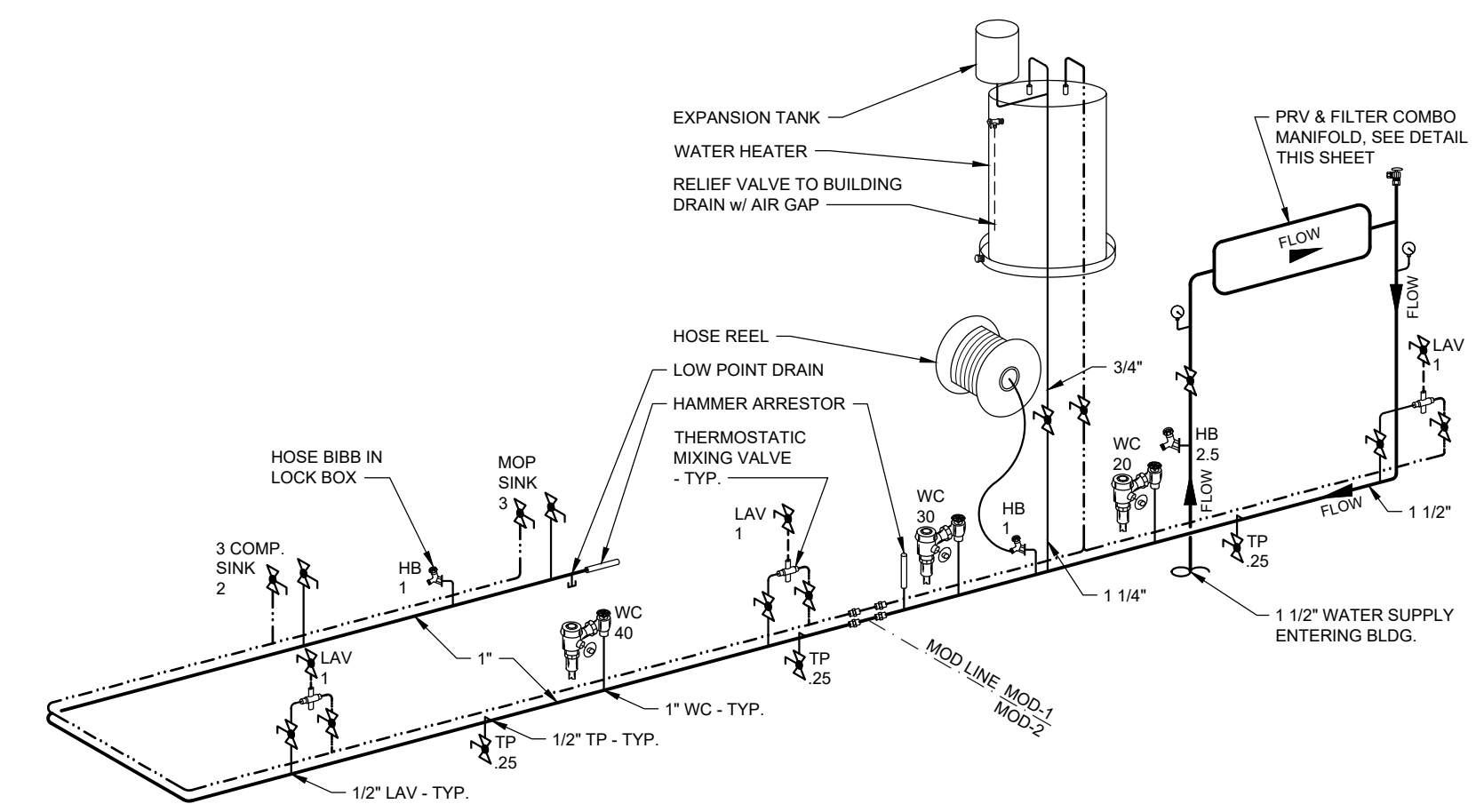
WATER PIPING:

- FIXTURE UNITS _____ 103.25
- TOTAL DEVELOPED LENGTH _____ 282'
- BUILDING REQUIRED PRESSURE _____ 46 to 60 psi
- BUILDING WATER SUPPLY SIZE _____ 1 1/2"
- SITE WATER PRESSURE _____ 110.5 psi
- WATER MAIN SIZE TO BUILDING _____ 1 1/2"
- METER SIZE _____ 2"
- DISTANCE TO METER _____ 244'

WATER LINE ABOVE GROUND TYPE "L" COPPER
 WATER LINE BELOW GROUND TYPE "K" COPPER

GENERAL NOTES:

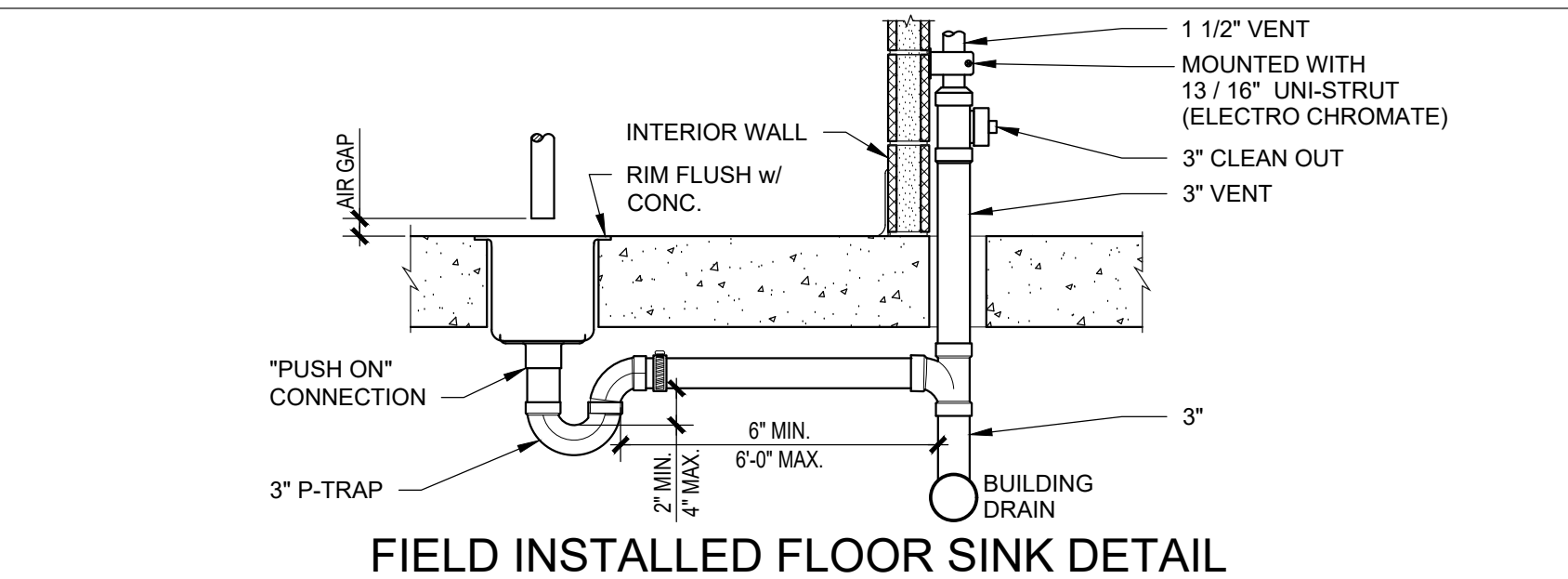
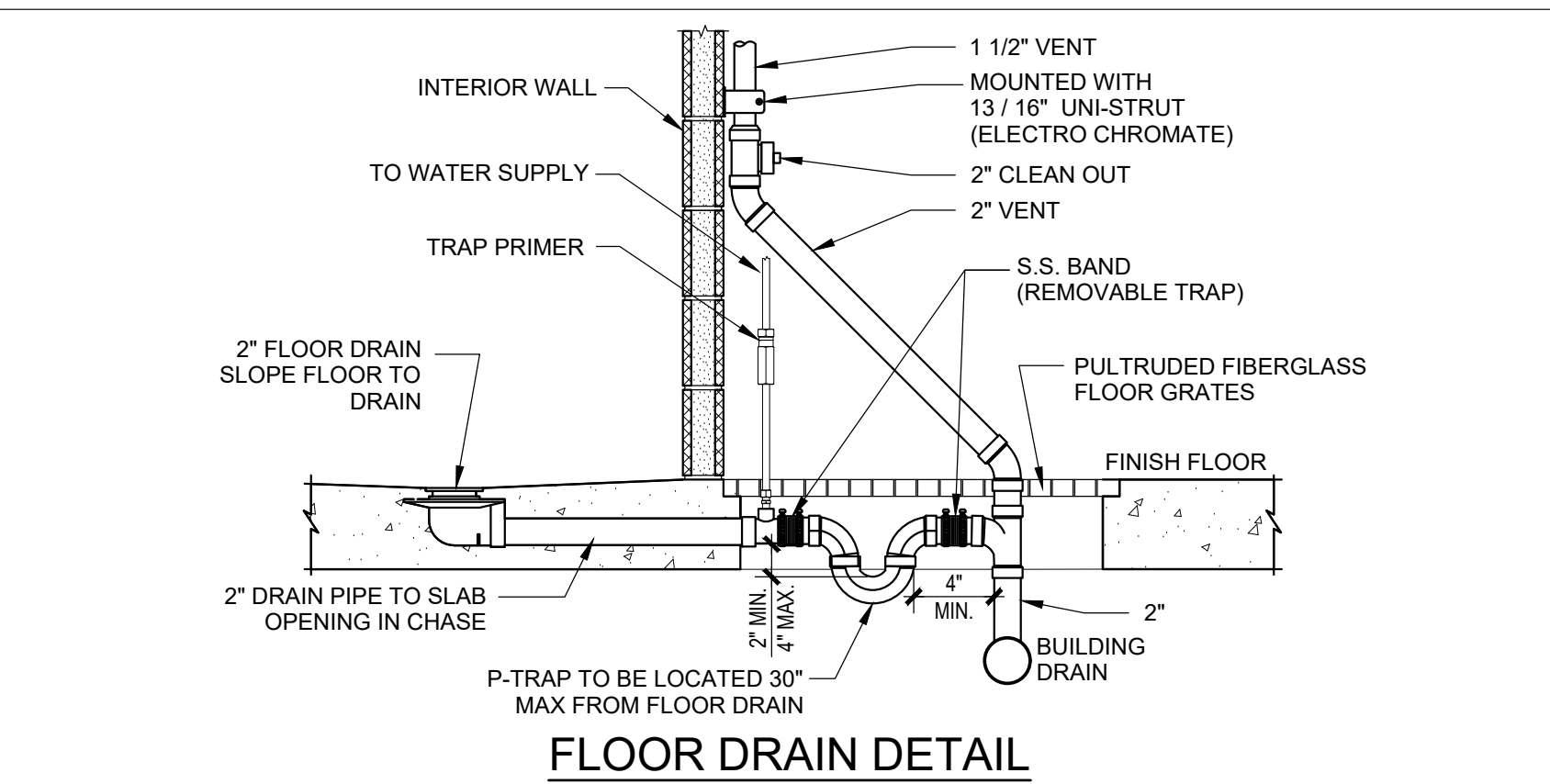
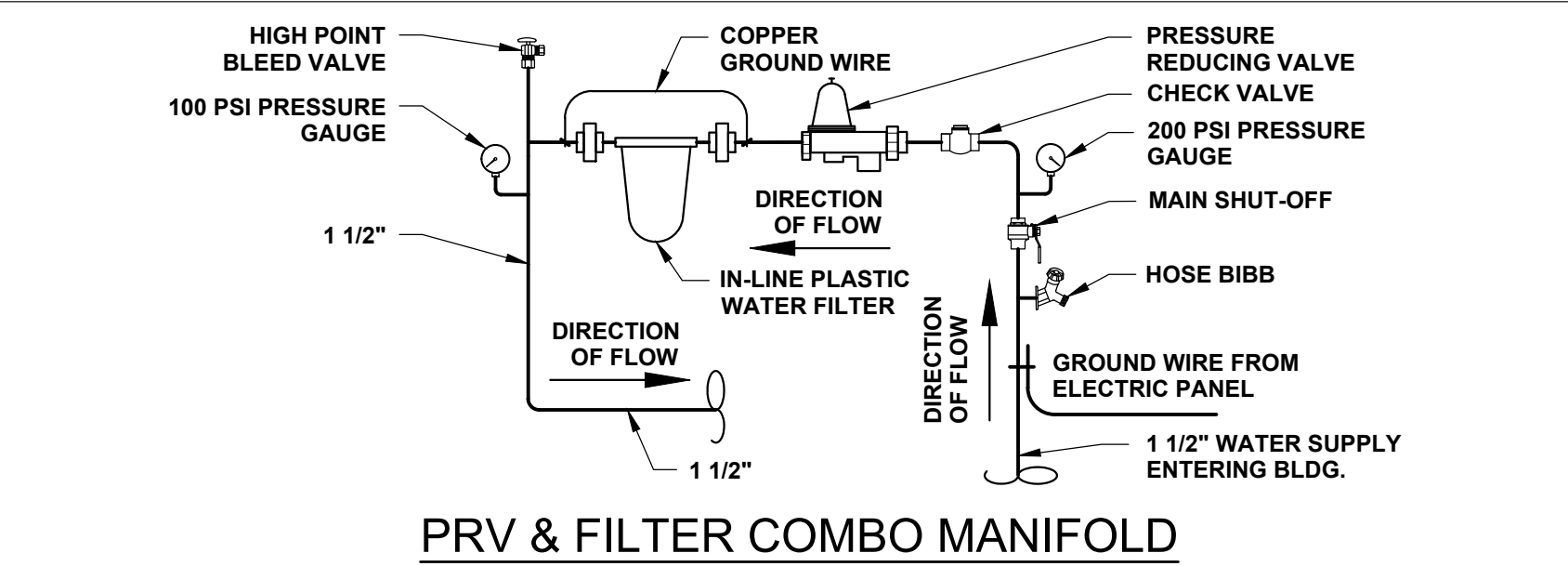
- SIZED TO 2022 CALIFORNIA PLUMBING CODE
- HAMMER ARRESTORS INSTALLED TO CODE
- CONTINUATION OF WATER MAIN TO BE DONE ON SITE BY OTHERS
- SLOPE ALL WATER PIPING TO LOW POINT DRAIN DRAINS FOR WINTERIZATION.
- WATER HEATER SHALL BE ANCHORED OR STRAPPED PER CODE.



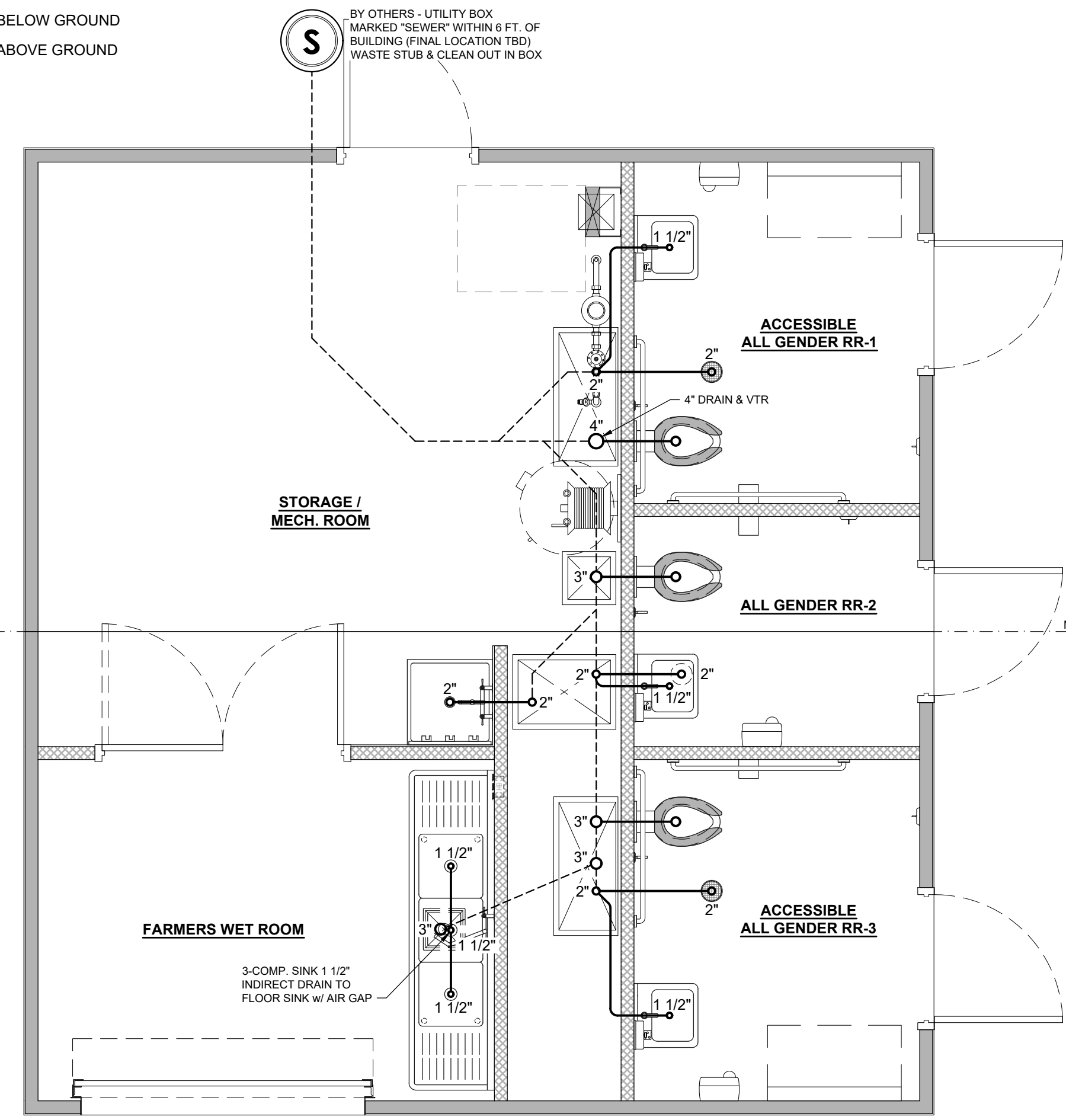
APPROVED
 By RMO/CO a CA
 Department of Housing
 And Community
 Development approved
 third party design
 approval agency
 DM920272
 Approval Date 5/17/2023
 Expiration Date 8/31/2024
 APPROVAL NO.
 591-1254

GENERAL SHEET NOTE:
 LOCATION OF ALL PLUMBING COMPONENTS IN THE STORAGE / MECHANICAL ROOM ARE SUBJECT TO CHANGE, FINAL LOCATIONS TBD.

2 WATER PIPING ISOMETRIC
 SCALE: NOT TO SCALE

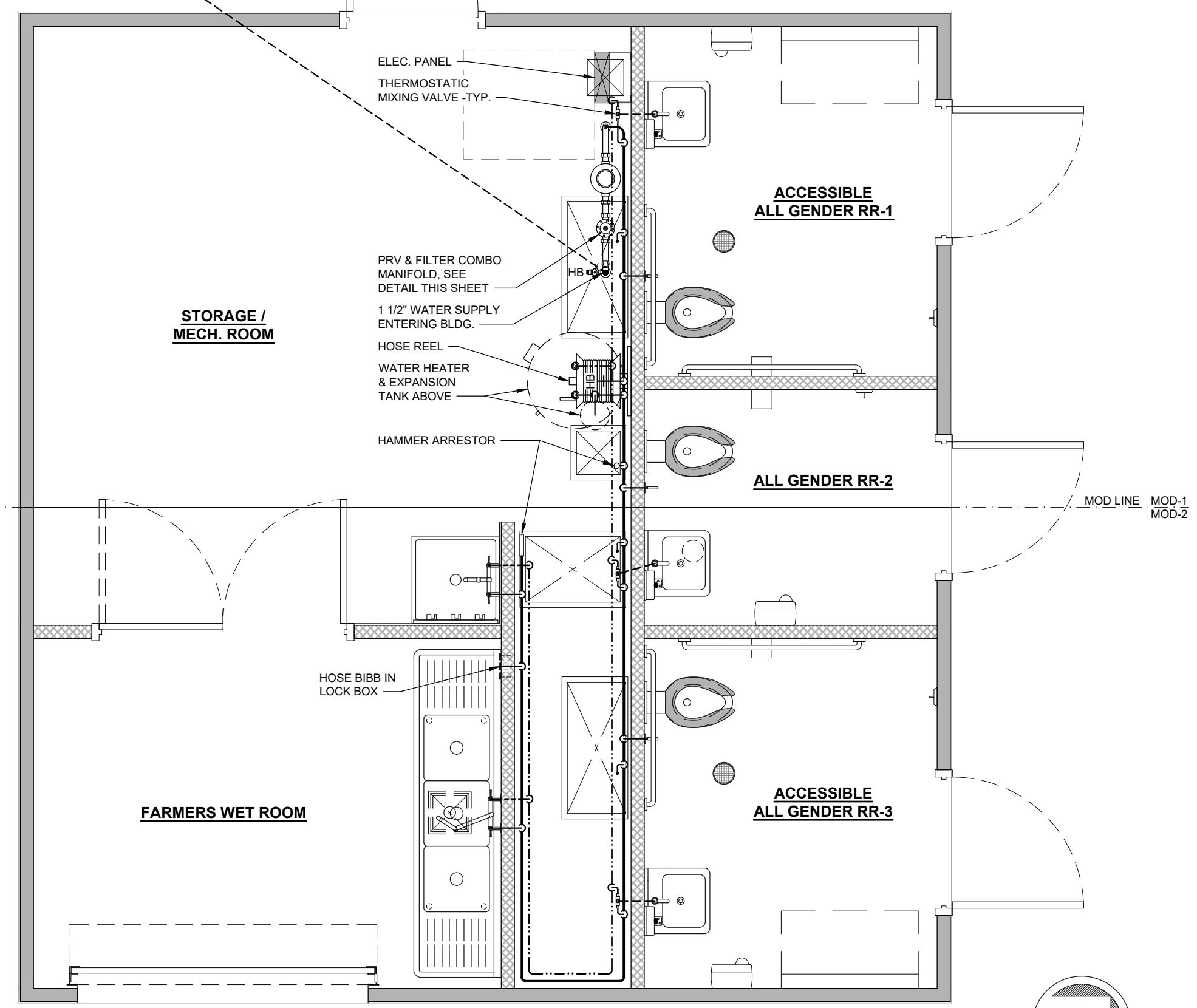


LEGEND:
 --- WASTE PIPE - BELOW GROUND
 --- WASTE PIPE - ABOVE GROUND



3 PLUMBING PLAN - WASTE
 SCALE: 3/8"=1'-0"

LEGEND:
 --- COLD WATER LINE - SIZE AS INDICATED ON ISOMETRIC
 --- 1 1/2" UNDERGROUND WATER SUPPLY TO BUILDING
 --- 3/4" HOT WATER LINE - INSULATED
 --- 1/2" FLEXIBLE TEMPERED WATER LINE



1 PLUMBING PLAN - WATER SUPPLY
 SCALE: 3/8"=1'-0"

| No. | Description | Date |
|-----|-------------|------|
| | | |
| | | |
| | | |

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|---|--|---|--|--|--|---|-------------------------------------|
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|---|--|---|--|--|--|---|-------------------------------------|

OTAY RANCH VILLAGE 8 - RR BLDG. A - Chula Vista, CA CONSTRUCTION DOCUMENTS - 05/16/2023

ELECTRICAL COMPONENTS SCHEDULE

| SYMBOL | QTY. | RATING | DESCRIPTION | MODEL | HEIGHT | COMMENTS | PRC # |
|-----------------------------------|------|----------------------|--|--|-----------------------------|---|---------|
| ELECTRICAL PANEL | 1 | 125 AMP MAIN BREAKER | 120/240V SINGLE PHASE - 3 WIRE, PLUG-ON BREAKERS, NEMA 1 ENCLOSURE | SQUARE D QO124M125P (OR EQUAL) | 72" A.F.F. TOP OF PANEL | FURRED OUT AS NEEDED | - |
| LIGHT - EXTERIOR | 5 | 10 WATTS | LED - WALL MOUNT, VANDAL RESISTANT, FULL CUT-OFF | LUMINAIRE AEL-12-NODIM-10W-40K-120-DP-BZH | ON CAP BEAM | - | L1153 |
| LIGHT - RESTROOMS | 3 | 15 WATTS | LED - SURFACE MOUNT, VANDAL RESISTANT | LUMINAIRE SWP1212-NODIM-15W-40K-120-OP-BRZ-OCC | SEE SHEET A-3 | BUILT-IN OCCUPANCY SENSOR | L1168.5 |
| LIGHT - ST. / M.R. & FARMERS | 30 | 4 | 30 WATTS | LED T8 (2) TUBE - SURFACE MOUNT, SEALED SHATTERPROOF PLASTIC HOUSING | GREENLIGHTING AL-42L | CEILING MOUNTED | L1108 |
| LIGHT - STOR. / MECH. ROOM | 15 | 2 | 15 WATTS | LED T8 (1) TUBE - SURFACE MOUNT, SEALED SHATTERPROOF PLASTIC HOUSING | GREENLIGHTING AL-41L | CEILING MOUNTED | L1107 |
| EMERGENCY LIGHT | 2 | 3 WATTS | LED - WALL MOUNT | LITHONIA MODEL #ELM2L (OR EQUAL) | ABOVE CAP BEAM | WIRE AHEAD OF SWITCH | L1198 |
| SWITCH | 1 | - | SINGLE POLE MANUAL ON/OFF SWITCH WITH OCCUPANCY SENSOR | LEVITON DECORA ODS10-IDW | 48" MAX. A.F.F. TO TOP | - | L1879 |
| SWITCH | 1 | - | DOUBLE POLE MANUAL ON/OFF SWITCH WITH OCCUPANCY SENSOR | LEVITON DECORA ODS09-IDW | 48" MAX. A.F.F. TO TOP | - | - |
| SWITCH | 2 | - | SINGLE POLE MANUAL ON/OFF SWITCH | LEVITON 1221-2W | 48" MAX. A.F.F. TO TOP | (1) STOR. / MECH. ROOM - (1) BYPASS SWITCH - RR-3 LIGHT | L1868 |
| SWITCH | 1 | - | DOUBLE POLE MANUAL ON/OFF SWITCH | LEVITON 1222-2W | 48" +/- A.F.F. TO TOP | BYPASS SWITCH - RR-1 & RR-2 LIGHTS | L1872 |
| SWITCH | 1 | - | SINGLE POLE MANUAL ON/OFF SWITCH | LEVITON 1221-2R | 48" +/- A.F.F. TO TOP | BYPASS SWITCH - EXTERIOR LIGHTS | L1870 |
| PHOTOCELL | 1 | 1800 WATTS | NIGHTFOX WALL MOUNT ELECTRONIC PHOTOCONTROL, 120-277V | INTERMATIC EK4336S | SEE SHEET A-2 | CONTROLS EXTERIOR LIGHTS | L1896 |
| RECEPTACLE - DUPLEX | 5 | 1500 WATTS | 20 AMP, 125 VOLT GFCI DUPLEX RECEPTACLE | LEVITON GFNT2-W | 48" A.F.F. TO TOP | - | L1876 |
| HAND DRYER | 3 | 1725 WATTS | SURFACE MOUNTED - PUSH BUTTON HAND DRYER | WORLD DRYER DA52-973 - STAINLESS STEEL / BRUSHED | 40" MAX. A.F.F. TO CONTROLS | - | - |
| WATER HEATER - TANK TYPE, LOW BOY | 1 | 10000 WATTS | 50 GALLON COMMERCIAL ELECTRIC WATER HEATER | AO SMITH DEL-60 (OR EQ.) - 5000/5000 ELEMENTS | - | WIRED FOR 240V SIMULTANEOUS OPERATION, STRAP PER CODE | - |
| MOD LINE ELECTRICAL CONNECTOR | - | - | MOD LINE ELECTRICAL CROSSOVER CONNECTOR | AUTOMATION DIRECT STD SERIES | - | COMPONENTS & QUANTITIES AS NEEDED | - |

GENERAL SHEET NOTE:
LOCATION OF ALL ELECTRICAL COMPONENTS IN THE STORAGE / MECHANICAL ROOM ARE SUBJECT TO CHANGE, FINAL LOCATIONS TBD.

LIGHTING CONTROLS SCHEDULE

| AREA | CONTROLS |
|------------------|--|
| RESTROOMS | OCCUPANCY SENSOR BUILT-IN TO LIGHT FIXTURE / PHOTOCELL OVERRIDES OCCUPANCY SENSOR / BYPASS SWITCH OVERRIDES OCCUPANCY SENSOR & PHOTOCELL FOR MAINTENANCE |
| STORAGE | MANUAL ON/OFF SWITCH WITH OCCUPANCY SENSOR |
| MECH. ROOM | MANUAL ON/OFF SWITCH |
| FARMERS WET ROOM | MANUAL ON/OFF SWITCH WITH OCCUPANCY SENSOR, MULTI-LEVEL LIGHTING 50% & 100% |
| EXTERIOR | PHOTOCELL / BYPASS SWITCH "ON" OVERRIDES PHOTOCELL FOR MAINTENANCE |

NOTES:

- ALL CONDUCTORS ARE COPPER WIRES.
- RATING OF STANDARD PANEL IS 22,000 A.I.C.
- WIRING METHOD IN METALLIC CONDUIT, (MC CABLE, EMT, METALLIC FLEX).
- INSTALL CEE GROUND IN SLAB, TERMINATING IN UTILITY CHASE.
- GREEN GROUNDING CONDUCTOR IN ALL RACEWAYS.

PANEL SCHEDULE

NOTE: ALL CONDUCTORS COPPER

| CKT | DESCRIPTION | CIR. BREAKER TRIP AMPS | WIRE SIZE | TOTAL V.A. | MAIN BREAKER | | 120/240V - SINGLE PHASE - 3 WIRE | | | | CKT |
|-----|-----------------------------------|------------------------|-----------|------------|--------------|------------|----------------------------------|------------------------|-------------|-----------------------------------|-----|
| | | | | | 125 AMP | TOTAL V.A. | WIRE SIZE | CIR. BREAKER TRIP AMPS | DESCRIPTION | CKT | |
| 1 | EXTERIOR LIGHTS | 20 | 12 | 50 | | 5000 | 6 | 60 | | WATER HEATER | 2 |
| 3 | RESTROOM LIGHTS | 20 | 12 | 45 | | 5000 | 6 | 60 | | | 4 |
| 5 | STORAGE / MECH. ROOM LIGHTS | 20 | 12 | 96 | | 1500 | 12 | 20 | | DEDICATED GFCI RECEPTACLE / MOD-2 | 6 |
| 7 | FARMERS WET ROOM LIGHTS | 20 | 12 | 60 | | 1500 | 12 | 20 | | DEDICATED GFCI RECEPTACLE / MOD-2 | 8 |
| 9 | HAND DRYER / RR-1 | 20 | 12 | 1725 | | | | | | | 10 |
| 11 | HAND DRYER / RR-2 | 20 | 12 | 1725 | | | | | | | 12 |
| 13 | HAND DRYER / RR-3 | 20 | 12 | 1725 | | | | | | | 14 |
| 15 | DEDICATED GFCI RECEPTACLE / MOD-1 | 20 | 12 | 1500 | | | | | | | 16 |
| 17 | DEDICATED GFCI RECEPTACLE / MOD-1 | 20 | 12 | 1500 | | | | | | | 18 |
| 19 | DEDICATED GFCI RECEPTACLE / MOD-1 | 20 | 12 | 1500 | | | | | | | 20 |
| 21 | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | 24 |

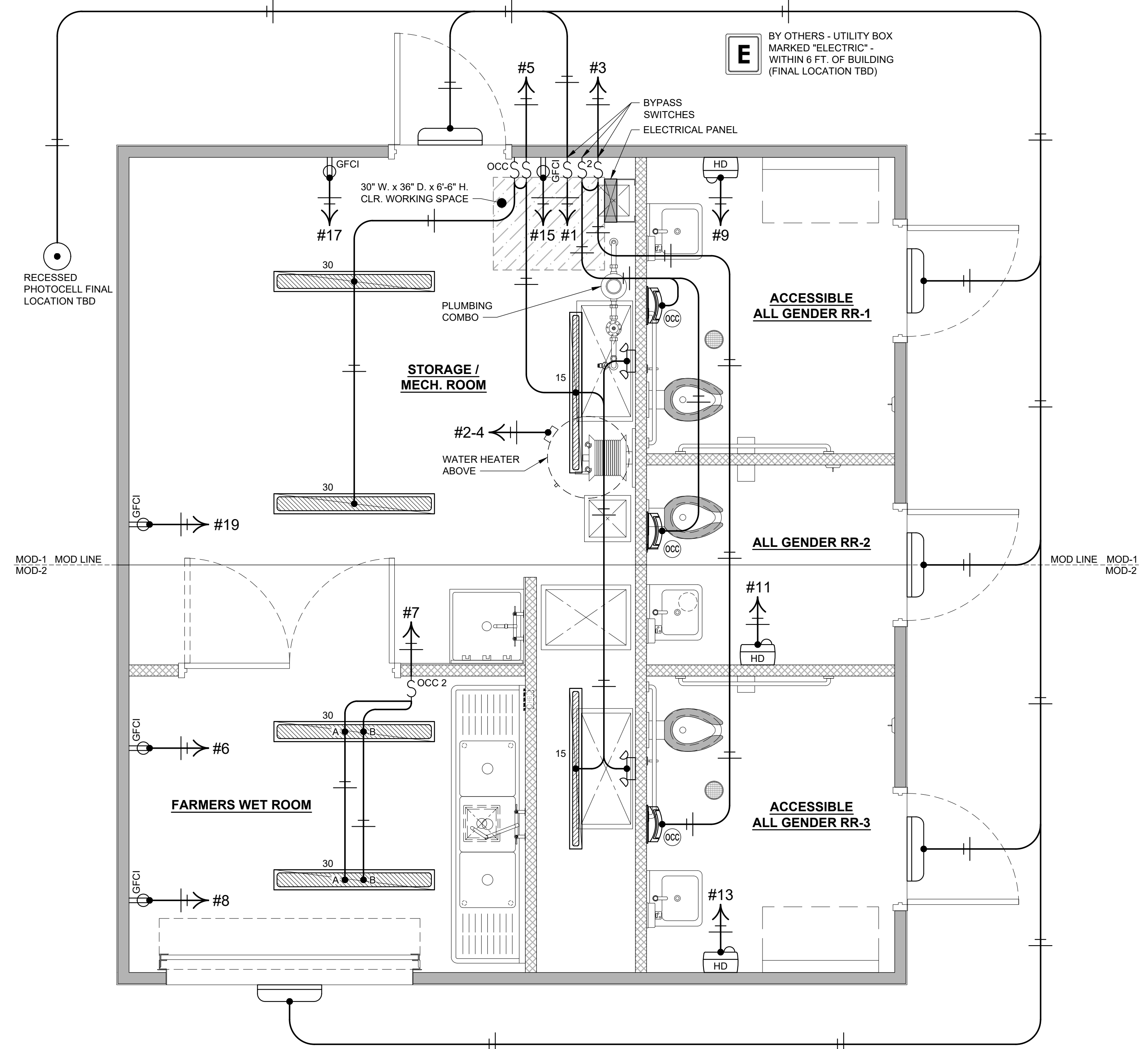
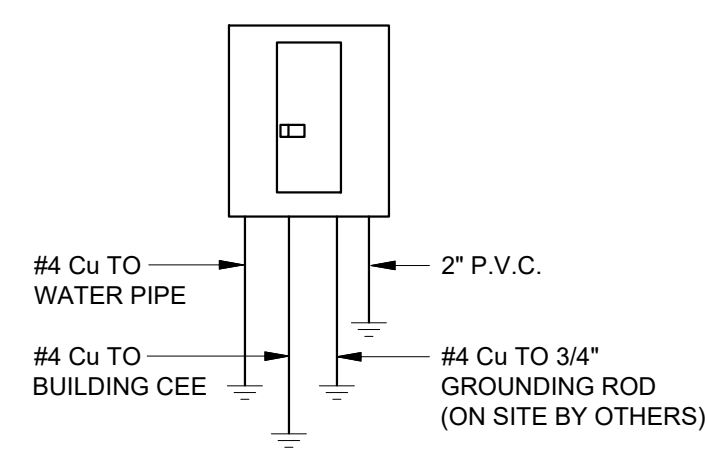
ELECTRICAL LOAD CALCULATIONS

PANEL: 125 AMP 120/240V - SINGLE PHASE - 3 WIRE

| COMPONENT | CONNECTED LOAD (V.A.) | CALCULATED LOAD (V.A.) | |
|--------------------------------|-----------------------|------------------------|------------------------------|
| EXTERIOR LIGHTING | 50 | CONNECTED LOAD x 1.25 | 62.50 |
| INTERIOR LIGHTING | 201 | CONNECTED LOAD x 1.25 | 251.25 |
| WATER HEATER | 10000 | CONNECTED LOAD x 1.25 | 12500.00 |
| (1) HAND DRYER (LARGEST MOTOR) | 1725 | CONNECTED LOAD x 1.25 | 2156.25 |
| (2) HAND DRYERS | 3450 | CONNECTED LOAD x 1.00 | 3450.00 |
| (5) RECEPTACLES | 7500 | CONNECTED LOAD x 1.00 | 7500.00 |
| TOTAL LOAD | 22926 | TOTAL LOAD | 25920.00 |
| TOTAL CONNECTED LOAD | KVA | 22.926 | TOTAL CALCULATED LOAD |
| | AMPS | 95.925 | KVA |
| | | | AMPS |
| | | | 108.000 |

ONE-LINE DIAGRAM

125 AMP PANEL MAIN BREAKER 120/240 1Ø, 3W UFER GROUND REQUIRED



1 ELECTRICAL PLAN
SCALE: 1/2"=1'-0"

APPROVED
BY RADCO a CA
Department of Housing
And Community
Development approved
third party design
approval agency
DM920272
Approval Date: 5/17/2023 Expiration Date: 8/31/2024
APPROVAL NO. 591-1254

CONSTRUCTION DOCUMENTS - 05/16/2023

OTAY RANCH VILLAGE 8 - RR BLDG. A - Chula Vista, CA

| No. | Description | Date |
|-----|-------------|------|
| | | |

CONSTRUCTION DOCUMENTS
05/16/2023

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PROJECT OWNER:
HOMEFED CORPORATION
Carlsbad, CA

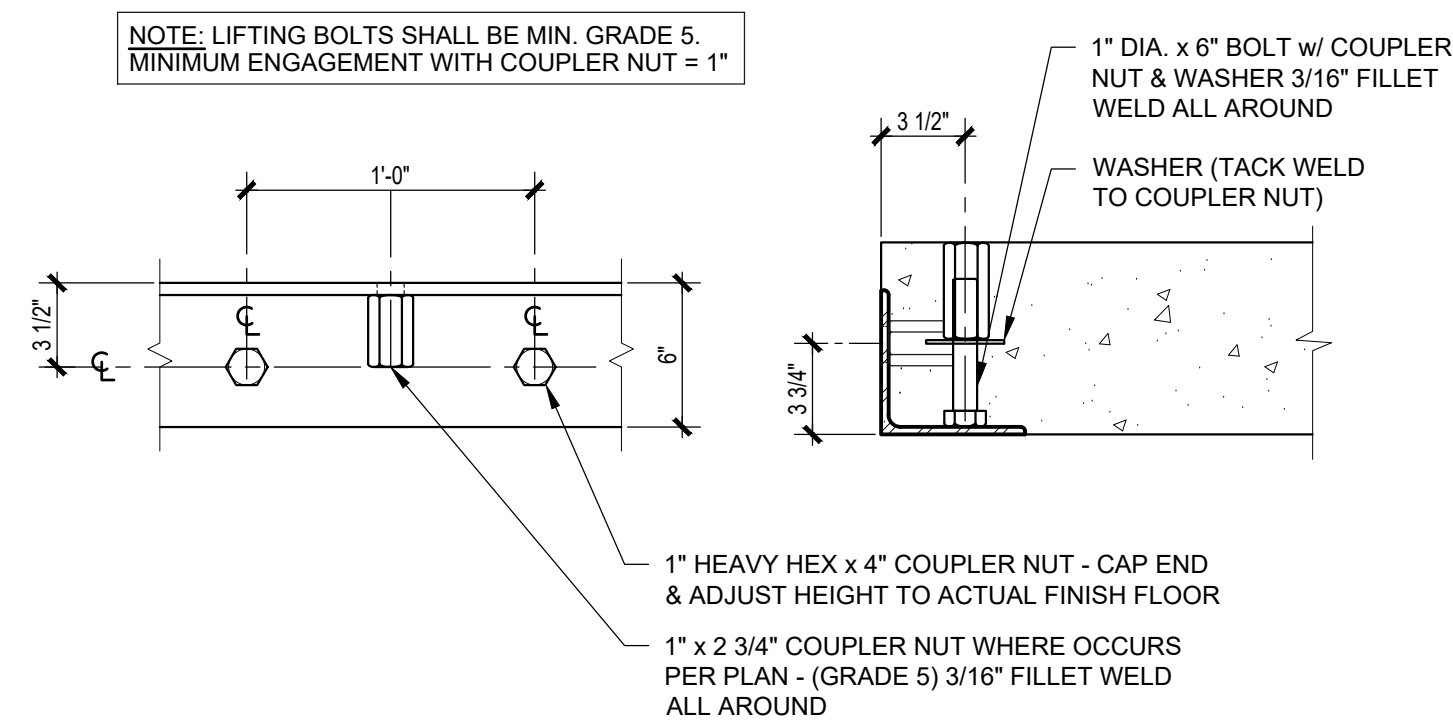
PROJECT NAME AND LOCATION:
OTAY RANCH VILLAGE 8
Chula Vista, CA

SHEET TITLE:
ELECTRICAL PLAN & SCHEDULES

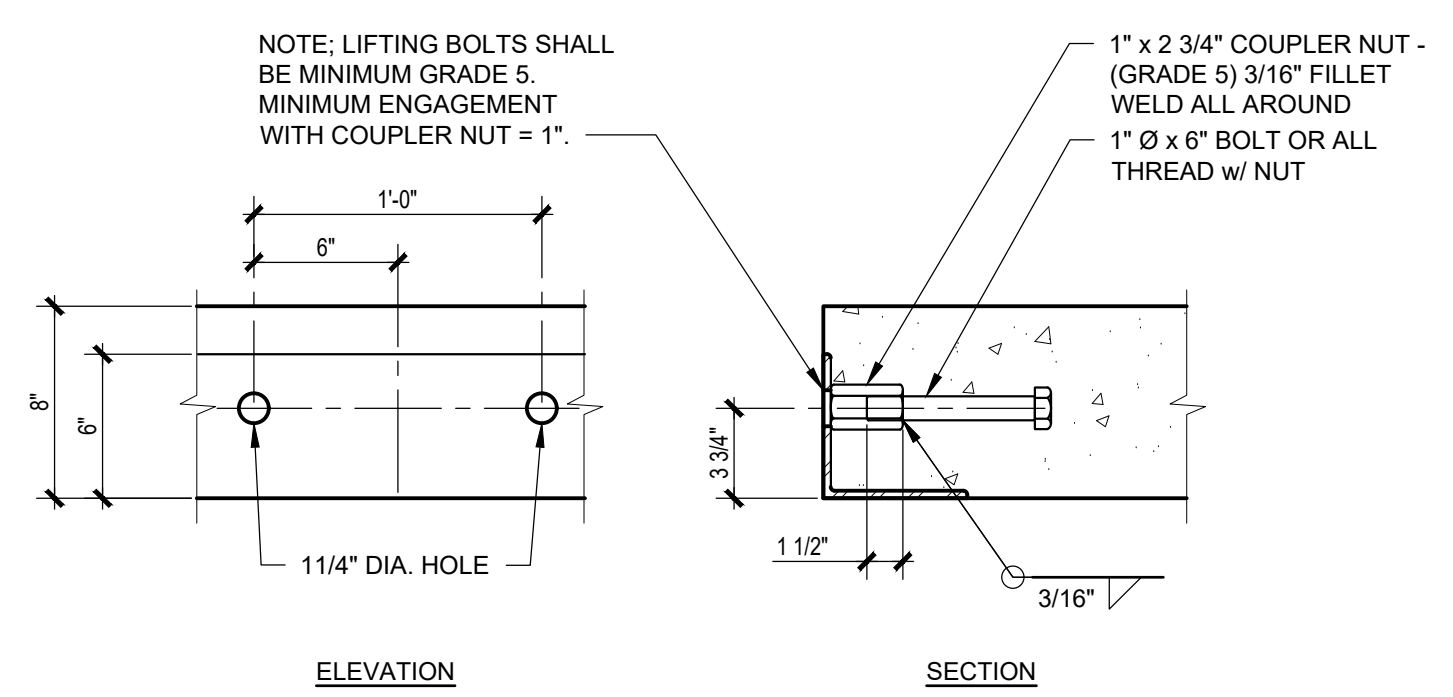
Drawn by: **PD** Job No. **11385A**
Checked by: **JC / KM**
Current Date: **05/16/2023**
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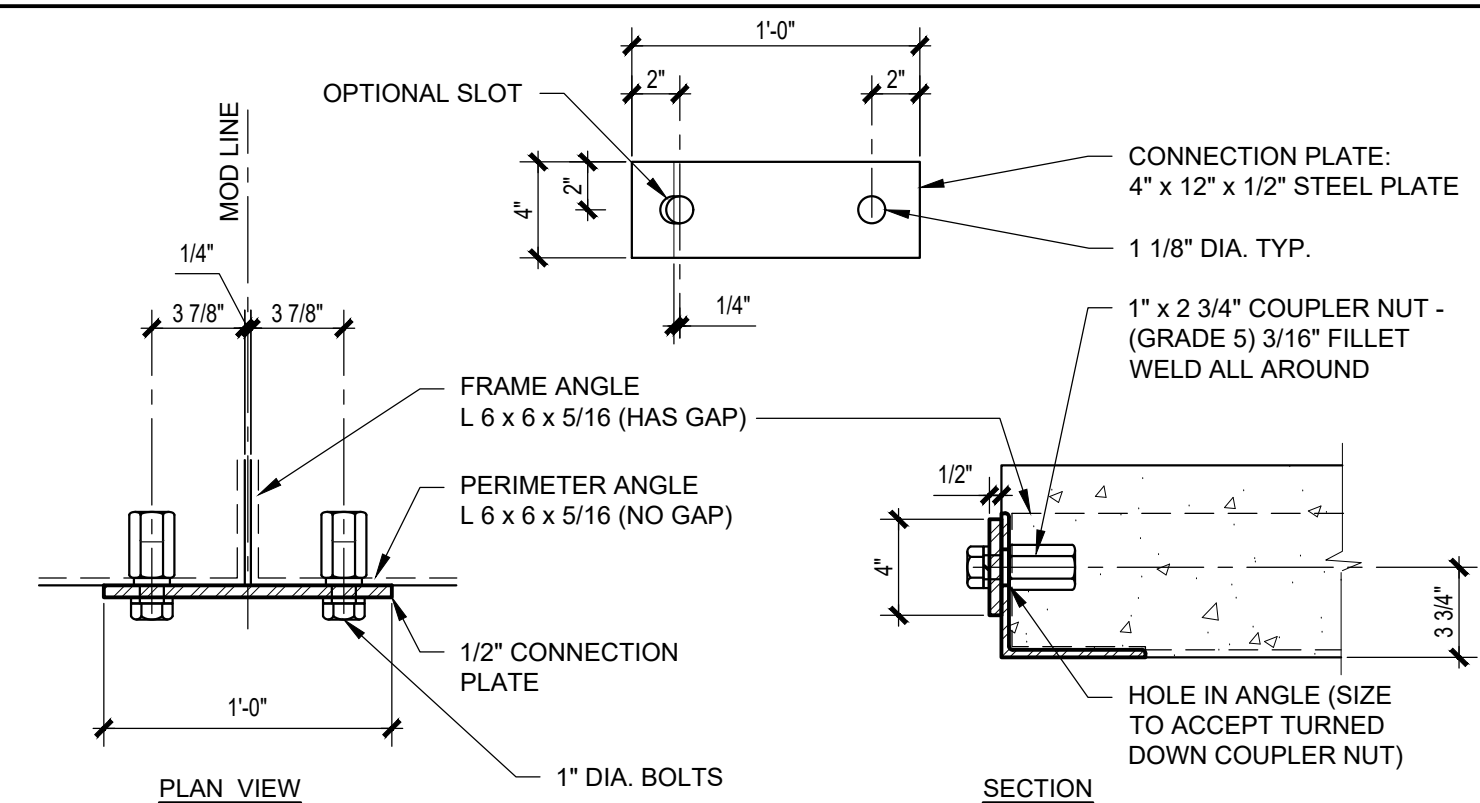
DO NOT SCALE - DIMENSIONS PRESIDE
24x36 SHEET - SCALE AS NOTED
11x17 SHEET - NTS



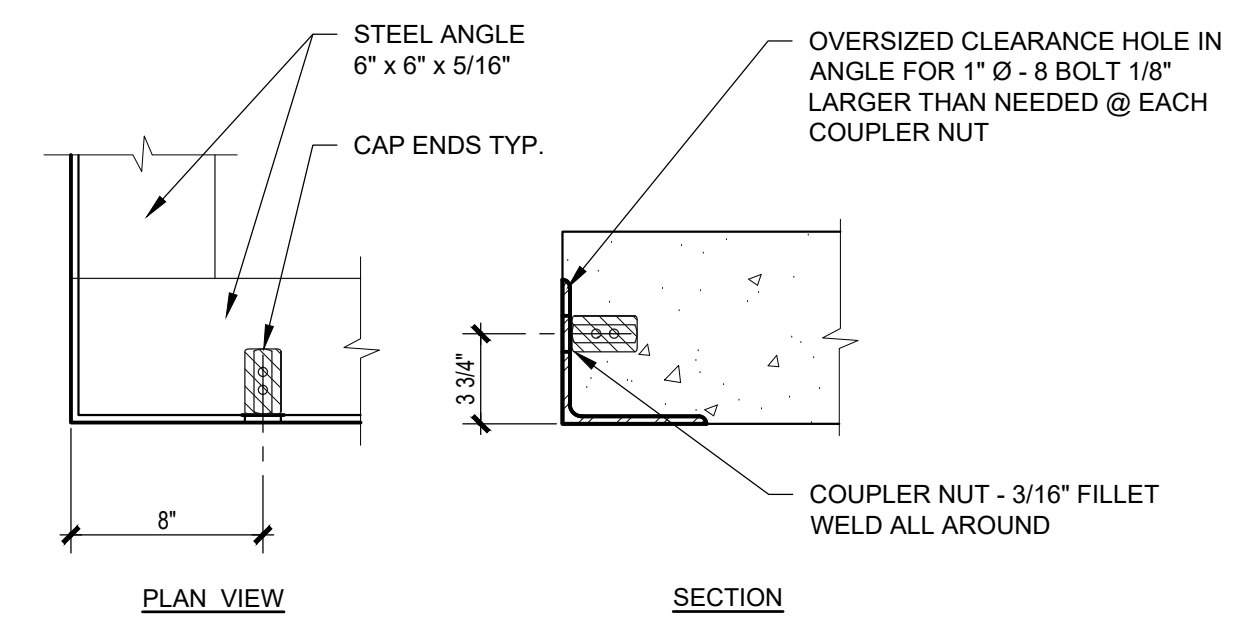
5 TOP RIGGING EMBEDDED ANCHOR DET.
SCALE: 1 1/2"=1'-0"



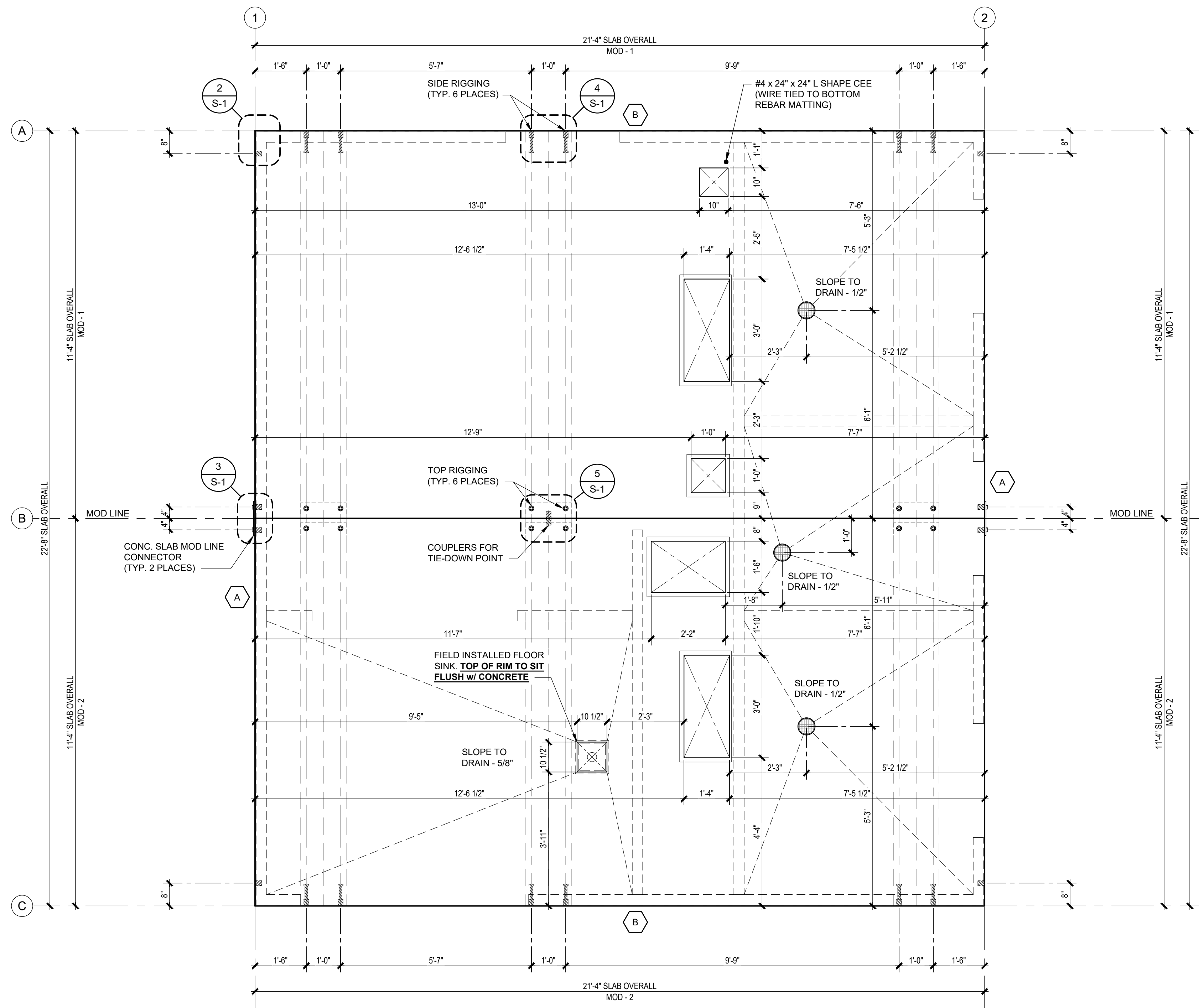
4 SIDE RIGGING EMBEDDED ANCHOR DET.
SCALE: 1 1/2"=1'-0"



3 CONCRETE SLAB MOD LINE CONN. DET.
SCALE: 1 1/2"=1'-0"



2 CONCRETE SLAB EXTERIOR STEEL FRAME @ CORNER DETAIL
SCALE: 1 1/2"=1'-0"



1 CONCRETE SLAB PLAN
SCALE: 1/2"=1'-0"

- NOTES: (LIGHT WEIGHT CONCRETE)**
- ALL REBAR TO BE GRADE 60.
 - ALL WELDABLE REINFORCEMENTS TO BE ASTM A706.
 - CONCRETE STRENGTH BASIS DESIGN IS MIN. 2500 PSI WITH SPECIAL ADDITIVE.
 - MINIMUM CONCRETE COVER = 1 1/2" FOR #4 AND #5 BARS. TOP BARS MAY BE LOWER ONLY WHERE REQUIRED BY SPECIFIED SLOPES.
 - PROVIDE (2) #5 BARS @ 8" O.C. TOP & BOTTOM AT PERIMETER OF EACH SLAB & PROVIDE (3) #5 BARS @ 8" O.C. TOP & BOTTOM AT EACH LIFTING LOCATION.
 - TOP MAT: ADD TRIMMER BARS NEXT TO BLOCK OUTS IF CLEARANCE TO REGULAR LAYOUT IS GREATER THAN 2". TRIMMER BARS EXTEND 18" PAST OPENING, OR TERMINATE WITH 90° HOOK AND 8" EXTENSION. CENTER OF TRIMMER BARS TO BLOCK OUTS TO BE 2", TYP.
 - PROVIDE (2) DIAGONAL 24" LONG #4 REBARS (1 @ TOP MAT & 1 @ BOTTOM MAT) @ EACH SLAB OPENING.
 - SMALL BLOCK OUTS (8" x 8" MAX.) MAY BE ADDED AS REQUIRED FOR SERVICES. ADD DIAGONAL TRIMMER BARS IF CLEARANCE TO REGULAR LAYOUT IS GREATER THAN 2".
 - SPLICES: #4 BARS - 20" LAP
#5 BARS - 24" LAP
 - PROTECT PIPE & FLOOR DRAINS THAT WILL BE ENCASED IN THE CONCRETE BY PROVIDING AN APPROVED WRAP.
 - ONLY WHERE NOTED, IT IS ACCEPTABLE TO NOTCH HORIZONTAL LEG OF PERIMETER ANGLE.
 - ALL EXPOSED FACES OF SLAB PERIMETER STEEL ANGLES SHALL RECEIVE GALVANIZING PAINT COATING.

SLAB LOADS SCHEDULE

| MARK | LOCATION | VERTICAL LOAD | LATERAL LOAD |
|------|------------------------|---------------|--------------|
| A | WALL LINE (GRID) 1 & 2 | 1,200 - PLF | 1,070 - LBF |
| B | WALL LINE (GRID) A & C | 1,000 - PLF | 910 - LBF |

NOTE: SCHEDULE VALUES PER ASD LOAD COMBINATION

- FLOOR FINISH SCHEDULE:**
- RESTROOMS - QUARRY TILE / DO NOT SEAL FLOORS
 - STORAGE / MECH. ROOM & FARMERS WET ROOM - POLYMER COATING / DO NOT SEAL FLOORS

APPROVED
BY RADCO a CA
Department of Housing
And Community
Development approved
third party design
approval agency
DM920272
Approval Date: 5/17/2023
Expiration Date: 8/31/2024
APPROVAL NO.
591-1254

STRUCTURAL ONLY
This certificate is for structural design only. All other matters of code compliance including but not limited to electrical, plumbing, fire, mechanical, and other trades are the responsibility of others.



DO NOT SCALE - DIMENSIONS PRESIDE
2x8x8 SHEET - SCALE AS NOTED
11x17 SHEET - NTS

| No. | Description | Date |
|-----|-------------|------|
| | | |

CONSTRUCTION DOCUMENTS
05/16/2023

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PROJECT OWNER:
HOMEFED CORPORATION
Carlsbad, CA

PROJECT NAME AND LOCATION:
OTAY RANCH VILLAGE 8
Chula Vista, CA

SHEET TITLE:
CONCRETE SLAB PLAN & DETAILS

Drawn by: **PD** Job No. **11385A**
Checked by: **JC / KM**
Current Date: **05/16/2023**
Start Date: **02/22/2023**

S-1

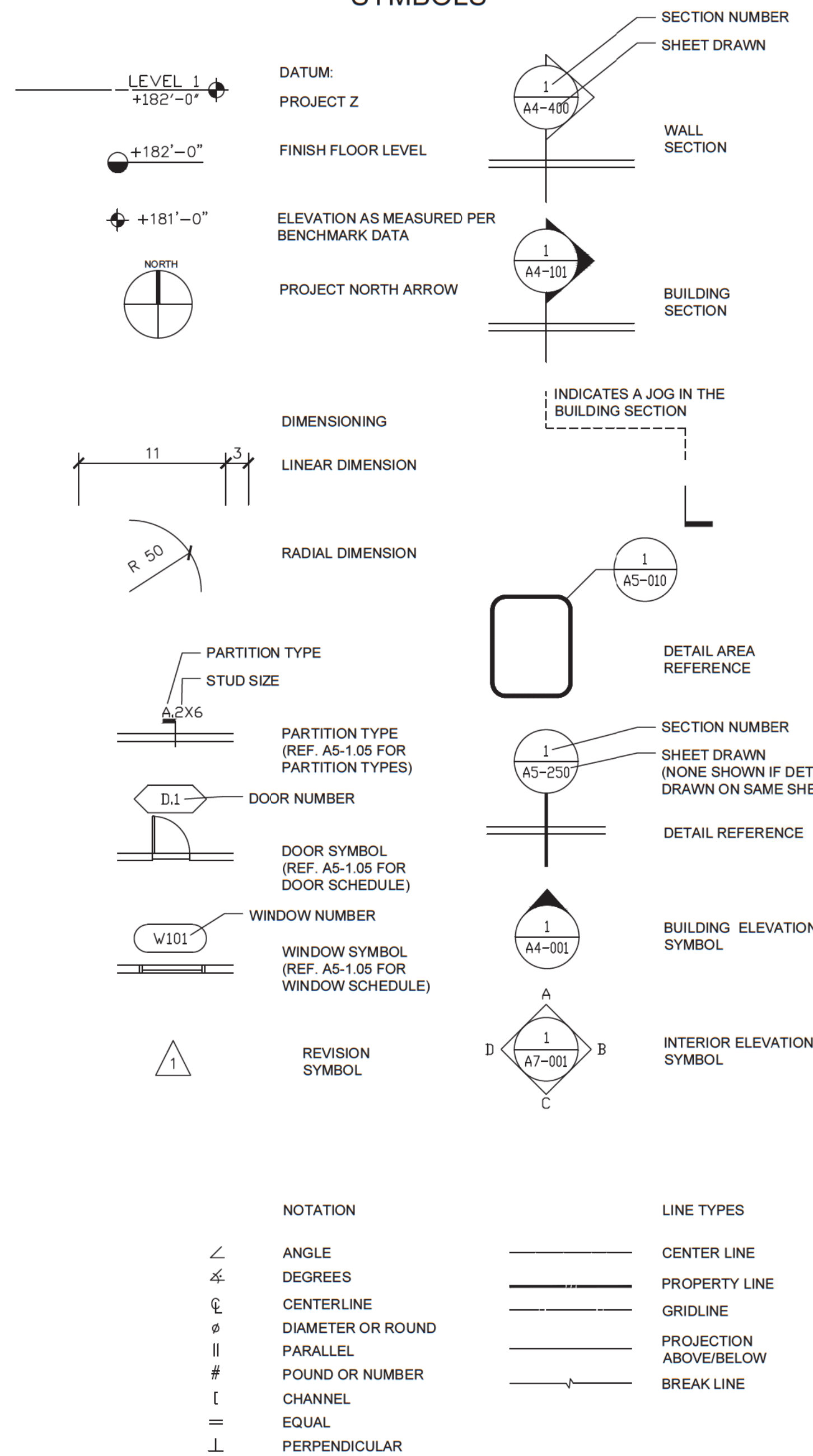
CONSTRUCTION DOCUMENTS - 05/16/2023

OTAY RANCH VILLAGE 8 - RR BLDG. A - Chula Vista, CA

MATERIAL LEGENDS

| | |
|--|---------------------------------|
| | CONCRETE |
| | PLASTER |
| | PLYWOOD |
| | WOOD FRAMING (CONT. MEMBER) |
| | WOOD FRAMING (NON-CONT. MEMBER) |
| | FINISH WOOD |
| | GLASS LARGE SCALE |
| | EARTH |
| | GRAVEL FILL |
| | BATT INSULATION |
| | RIGID INSULATION |
| | GYPSUM WALL BOARD |
| | ACOUSTICAL CEILING TILE |

SYMBOLS



NOTE ABBREVIATIONS

| | | | |
|--------|--------------------------|--------|----------------------------|
| AD | AREA DRAIN | R | RADIUS |
| AFF | ABOVE FINISH FLOOR | RCP | REFLECTED CEILING PLAN |
| ALT | ALTERNATE | RD | ROOF DRAIN |
| ALUM | ALUMINUM | REF | REFERENCE |
| APPROX | APPROXIMATE | REV | REVISION |
| ARCH | ARCHITECTURAL | RM | ROOM |
| | | RO | ROUGH OPENING |
| BLDG | BUILDING | S | SOUTH |
| BO | BOTTOM OF | SD | STORM DRAIN |
| | | SEC | SECURITY |
| CB | CATCH BASIN | SF | SQUARE FEET |
| CBC | CALIFORNIA BUILDING CODE | SIM | SIMILAR |
| CJ | CONTROL JOINT | SPEC | SPECIFICATION |
| CL | CENTER LINE | SQ | SQUARE |
| CLG | CEILING | ST.STL | STAINLESS STEEL |
| CLR | CLEAR | STC | SOUND TRANSMISSION CLASS |
| CMU | CONCRETE MASONRY UNITS | STD | STANDARD |
| COL | COLUMN | STL | STEEL |
| CONC | CONCRETE | STOR | STORAGE |
| CPT | CARPET | STRUCT | STRUCTURAL |
| CT | CERAMIC TILE | | |
| DTL | DETAIL | T&B | TOP AND BOTTOM |
| DIA | DIAMETER | T&G | TONGUE AND GROOVE |
| DIAG | DIAGONAL | TC | TOP OF CURB |
| DN | DOWN | TEMP | TEMPERATURE |
| DR | DOOR | THK | THICKNESS |
| DS | DOWNSPOUT | THR | THRESHOLD |
| DWG | DRAWING | T.O. | TOP OF |
| E | EAST | TOC | TOP OF CURB |
| EA | EACH | TP | TOP OF PAVING |
| EC | EXPOSED CONSTRUCTION | TV | TELEVISION |
| EJ | EXPANSION JOINT | TW | TOP OF WALL |
| EL | ELEVATION | TYP | TYPICAL |
| ELEC | ELECTRICAL | UNO | UNLESS NOTED OTHERWISE |
| EQ | EQUAL | UL | UNDERWRITERS'S LABORATORY |
| EQPT | EQUIPMENT | VENT | VENTILATION |
| EXT | EXTERIOR | VGDF | VERTICAL GRAIN DOUGLAS FIR |
| FA | FIRE ALARM | W | WEST |
| FD | FLOOR DRAIN | W | WITH |
| FDN | FOUNDATION | WC | WATER CLOSET |
| FF | FINISH FLOOR | WD | WOOD |
| FIXT | FIXTURE | WDB | WOOD BASE |
| FLR | FLOOR | WDF | WOOD FLOOR |
| FT | FOOT OR FEET | WDP | WOOD PANELING |
| GA | GAUGE | WIN | WINDOW |
| GALV | GALVANIZED | W/O | WITHOUT |
| GC | GENERAL CONTRACTOR | WP | WATERPROOFING |
| GL | GLASS | YD | YARD DRAIN |
| GP | GYPSUM PLASTER | | |
| GWB | GYPSUM WALL BOARD | | |
| H | HEIGHT | | |
| HDWD | HOT WATER | | |
| ID | INSIDE DIAMETER | | |
| INT | INTERIOR | | |
| IV | IRRIGATION VALVE | | |
| L | LENGTH | | |
| LAM | LAMINATE | | |
| LAV | LAVATORY | | |
| LF | LINEAR FOOT | | |
| LL | LIVE LOAD | | |
| MAX | MAXIMUM | | |
| MECH | MECHANICAL | | |
| MIN | MINIMUM | | |
| N | NORTH | | |
| NO | NUMBER | | |
| NTS | NOT TO SCALE | | |
| OC | ON CENTER | | |
| OD | OUTSIDE DIAMETER (DIM) | | |
| OFD | OVERFLOW DRAIN | | |
| OPP | OPPOSITE | | |
| P | PLASTER | | |
| PERF | PERFORATE(D) | | |
| PL | PLATE | | |
| PLUM | PLUMBING | | |
| PTN | PARTITION | | |
| PTD | PAINTED | | |
| PVC | POLYVINYL CHLORIDE | | |
| PWD | PLYWOOD | | |

OWNER:
HOME FED
1803 WRIGHT PL
SUITE 200
CARLEBAD, CA 92008

ARCHITECT:
JUSTUS STUDIO, INC.
4271 KENYON AVENUE
LOS ANGELES, CA 90066

CONTACT: JOSEPH JUSTUS
E: JOSEPH@JUSTUS-STUDIO.COM
P: 949-294-2648

STRUCTURAL:
ORION STRUCTURAL GROUP, INC.
223 E. THOUSAND OAKS BLVD., #304
THOUSAND OAKS, CA 91380

ELECTRICAL:
ARB ELECTRIC, INC.
1401 N EL CAMINO REAL #201
SAN CLEMENTE, CA 92672

MECHANICAL:
VANDERVEEN ENGINEERING CONSULTANTS
42088 DELMONTE ST
TEMECULA CA 92591

COMMERCIAL MODULAR MANUFACTURER:
FREE FORM DEVELOPMENT, INC.
1148 INDUSTRIAL AVE.
ESCONDIDO, CA 92029

CONTACT: ADAM JUBELA
E: ADAM@FREEFORMDC.COM
P: 760-801-2384

1960 LA MEDIA
PARKWAY NORTH
CHULA VISTA, CA 91913



| NO. | ISSUE | DATE |
|-----|---------------|------|
| 1 | 1ST SUBMITTAL | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

20 FOOT
CATERING
CONTAINER

MODEL: HFCS20-2023CATER
S/N: HFCS-20-2023

TITLE
ABBREVIATIONS
& SYMBOLS

**Approved For State of California
Commercial Modular**
By
MA Consulting & Engineering MACE, LLC.
Third Party Design Approval Agency (DAA)
Certificate Number: DM1570821

These plans have been approved pursuant to the provisions of The State of California Health and Safety Code, Division 13, Part 2 and California Code of Regulations, Title 25, Chapter 3, Subchapter 2
Plan Approval No. **MAC-CM 10045**
Approval Date: **9/3/2023**
Expiration Date: **11/30/2024**

| | |
|------------------------|---------------------|
| PROJECT 2023-003-00 | SHEET NUMBER |
| SCALE NTS | A0-1.00 |
| DRAWN BY | |
| DATE 07-13-2023 | |
| SIZE: 36"x24" | ©JUSTUS STUDIO INC. |

OWNER:

HOMIE FEO
1803 WRIGHT PL
SUITE 200
CARLSBAD, CA 92008

ARCHITECT:

JUSTUS STUDIO, INC.
4271 KENYON AVENUE
LOS ANGELES, CA 90066

CONTACT: JOSEPH JUSTUS
E: JOSEPH@JUSTUS-STUDIO.COM
P: 646-294-2046

STRUCTURAL:

ORION STRUCTURAL GROUP, INC.
223 E. THOUSAND OAKS BLVD., #304
THOUSAND OAKS, CA 91360

ELECTRICAL:

ARB ELECTRIC, INC.
1401 N. EL CAMINO REAL #201
SAN CLEMENTE, CA 92672

MECHANICAL:

VANDERVEEN ENGINEERING CONSULTANTS
42066 DELMONTE ST
TEMECULA, CA 92591

COMMERCIAL MODULAR MANUFACTURER:

FREE FORM DEVELOPMENT, INC.
1145 INDUSTRIAL AVE.
ESCONDIDO, CA 92029

CONTACT: ADAM JUEBLA
E: ADAM@FREEFORMDC.COM
P: 760-901-2384

1960 LA MEDIA PARKWAY NORTH CHULA VISTA, CA 91913



Table with 3 columns: NO., ISSUE, DATE. Row 1: 1, 1ST SUBMITTAL, [blank]

20 FOOT CATERING CONTAINER

MODEL: HFCS20-2023CATER S/N: HFCS-20-2023

TITLE

CAL GREEN

PROJECT 2023-003-00

SCALE NTS

DRAWN BY

DATE 07-13-2023

SIZE: 36"x24"

SHEET NUMBER

A0-2.01

©JUSTUS STUDIO, INC.



2022 CALIFORNIA GREEN BUILDING STANDARDS CODE NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2023)

Table with 2 columns: SECTION, DESCRIPTION. Contains sections 301.1, 301.3, 301.4, 301.5, 302.1, 302.2, 302.3, 303.1, 303.2, 303.3, 303.4, 303.5, 303.6, 303.7, 303.8, 303.9, 303.10, 303.11, 303.12, 303.13, 303.14, 303.15, 303.16, 303.17, 303.18, 303.19, 303.20, 303.21, 303.22, 303.23, 303.24, 303.25, 303.26, 303.27, 303.28, 303.29, 303.30, 303.31, 303.32, 303.33, 303.34, 303.35, 303.36, 303.37, 303.38, 303.39, 303.40, 303.41, 303.42, 303.43, 303.44, 303.45, 303.46, 303.47, 303.48, 303.49, 303.50, 303.51, 303.52, 303.53, 303.54, 303.55, 303.56, 303.57, 303.58, 303.59, 303.60, 303.61, 303.62, 303.63, 303.64, 303.65, 303.66, 303.67, 303.68, 303.69, 303.70, 303.71, 303.72, 303.73, 303.74, 303.75, 303.76, 303.77, 303.78, 303.79, 303.80, 303.81, 303.82, 303.83, 303.84, 303.85, 303.86, 303.87, 303.88, 303.89, 303.90, 303.91, 303.92, 303.93, 303.94, 303.95, 303.96, 303.97, 303.98, 303.99, 303.100, 303.101, 303.102, 303.103, 303.104, 303.105, 303.106, 303.107, 303.108, 303.109, 303.110, 303.111, 303.112, 303.113, 303.114, 303.115, 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303.782, 303.783, 303.784, 303.785, 303.786, 303.787, 303.788, 303.789, 303.790, 303.791, 303.792, 303.793, 303.794, 303.795, 303.796, 303.797, 303.798, 303.799, 303.800, 303.801, 303.802, 303.803, 303.804, 303.805, 303.806, 303.807, 303.808, 303.809, 303.810, 303.811, 303.812, 303.813, 303.814, 303.815, 303.816, 303.817, 303.818, 303.819, 303.820, 303.821, 303.822, 303.823, 303.824, 303.825, 303.826, 303.827, 303.828, 303.829, 303.830, 303.831, 303.832, 303.833, 303.834, 303.835, 303.836, 303.837, 303.838, 303.839, 303.840, 303.841, 303.842, 303.843, 303.844, 303.845, 303.846, 303.847, 303.848, 303.849, 303.850, 303.851, 303.852, 303.853, 303.854, 303.855, 303.856, 303.857, 303.858, 303.859, 303.860, 303.861, 303.862, 303.863, 303.864, 303.865, 303.866, 303.867, 303.868, 303.869, 303.870, 303.871, 303.872, 303.873, 303.874, 303.875, 303.876, 303.877, 303.878, 303.879, 303.880, 303.881, 303.882, 303.883, 303.884, 303.885, 303.886, 303.887, 303.888, 303.889, 303.890, 303.891, 303.892, 303.893, 303.894, 303.895, 303.896, 303.897, 303.898, 303.899, 303.900, 303.901, 303.902, 303.903, 303.904, 303.905, 303.906, 303.907, 303.908, 303.909, 303.910, 303.911, 303.912, 303.913, 303.914, 303.915, 303.916, 303.917, 303.918, 303.919, 303.920, 303.921, 303.922, 303.923, 303.924, 303.925, 303.926, 303.927, 303.928, 303.929, 303.930, 303.931, 303.932, 303.933, 303.934, 303.935, 303.936, 303.937, 303.938, 303.939, 303.940, 303.941, 303.942, 303.943, 303.944, 303.945, 303.946, 303.947, 303.948, 303.949, 303.950, 303.951, 303.952, 303.953, 303.954, 303.955, 303.956, 303.957, 303.958, 303.959, 303.960, 303.961, 303.962, 303.963, 303.964, 303.965, 303.966, 303.967, 303.968, 303.969, 303.970, 303.971, 303.972, 303.973, 303.974, 303.975, 303.976, 303.977, 303.978, 303.979, 303.980, 303.981, 303.982, 303.983, 303.984, 303.985, 303.986, 303.987, 303.988, 303.989, 303.990, 303.991, 303.992, 303.993, 303.994, 303.995, 303.996, 303.997, 303.998, 303.999, 304.000, 304.001, 304.002, 304.003, 304.004, 304.005, 304.006, 304.007, 304.008, 304.009, 304.010, 304.011, 304.012, 304.013, 304.014, 304.015, 304.016, 304.017, 304.018, 304.019, 304.020, 304.021, 304.022, 304.023, 304.024, 304.025, 304.026, 304.027, 304.028, 304.029, 304.030, 304.031, 304.032, 304.033, 304.034, 304.035, 304.036, 304.037, 304.038, 304.039, 304.040, 304.041, 304.042, 304.043, 304.044, 304.045, 304.046, 304.047, 304.048, 304.049, 304.050, 304.051, 304.052, 304.053, 304.054, 304.055, 304.056, 304.057, 304.058, 304.059, 304.060, 304.061, 304.062, 304.063, 304.064, 304.065, 304.066, 304.067, 304.068, 304.069, 304.070, 304.071, 304.072, 304.073, 304.074, 304.075, 304.076, 304.077, 304.078, 304.079, 304.080, 304.081, 304.082, 304.083, 304.084, 304.085, 304.086, 304.087, 304.088, 304.089, 304.090, 304.091, 304.092, 304.093, 304.094, 304.095, 304.096, 304.097, 304.098, 304.099, 304.100, 304.101, 304.102, 304.103, 304.104, 304.105, 304.106, 304.107, 304.108, 304.109, 304.110, 304.111, 304.112, 304.113, 304.114, 304.115, 304.116, 304.117, 304.118, 304.119, 304.120, 304.121, 304.122, 304.123, 304.124, 304.125, 304.126, 304.127, 304.128, 304.129, 304.130, 304.131, 304.132, 304.133, 304.134, 304.135, 304.136, 304.137, 304.138, 304.139, 304.140, 304.141, 304.142, 304.143, 304.144, 304.145, 304.146, 304.147, 304.148, 304.149, 304.150, 304.151, 304.152, 304.153, 304.154, 304.155, 304.156, 304.157, 304.158, 304.159, 304.160, 304.161, 304.162, 304.163, 304.164, 304.165, 304.166, 304.167, 304.168, 304.169, 304.170, 304.171, 304.172, 304.173, 304.174, 304.175, 304.176, 304.177, 304.178, 304.179, 304.180, 304.181, 304.182, 304.183, 304.184, 304.185, 304.186, 304.187, 304.188, 304.189, 304.190, 304.191, 304.192, 304.193, 304.194, 304.195, 304.196, 304.197, 304.198,

OWNER:

HOMIE FED
1803 WRIGHT PL
SUITE 200
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ARCHITECT:

JUSTUS STUDIO, INC.
4271 KENYON AVENUE
LOS ANGELES, CA 90066

CONTACT: JOSEPH JUSTUS
E: JOSEPH@JUSTUS-STUDIO.COM
P: 462-294-2046

STRUCTURAL:

ORION STRUCTURAL GROUP, INC.
233 E. THOUSAND OAKS BLVD., #304
THOUSAND OAKS, CA 91380

ELECTRICAL:

ARB ELECTRIC, INC.
1401 N. EL CAMINO REAL #201
SAN CLEMENTE, CA 92672

MECHANICAL:

VANDERBEEK ENGINEERING CONSULTANTS
42098 DELMONT ST
TEMECULA CA 92591

COMMERCIAL MODULAR MANUFACTURER:

FREEFORM DEVELOPMENT, INC.
1145 INDUSTRIAL AVE.
ESCONDIDO, CA 92029

CONTACT: ADAM JUEBLA
E: ADAM@FREEFORMDC.COM
P: 760-901-2384

1960 LA MEDIA PARKWAY NORTH CHULA VISTA, CA 91913



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20 FOOT CATERING CONTAINER

MODEL: HFCS20-2023CATER S/N: HFCS-20-2023

TITLE CAL GREEN

PROJECT: 2023-003-00 SCALE: NTS DRAWN BY: A0-2.02

DATE: 07-13-2023 SIZE: 36"x24" SHEET NUMBER: ©JUSTUS STUDIO INC.



2022 CALIFORNIA GREEN BUILDING STANDARDS CODE NONRESIDENTIAL MANDATORY MEASURES, SHEET 2 (January 2023)

Main table with 4 columns (Y, NA, RESPON, PART) containing sections 5.303.1, 5.402, 5.403, 5.404, 5.405, 5.406, 5.407, 5.408, 5.409, 5.410, 5.411, 5.412, 5.413, 5.414, 5.415, 5.416, 5.417, 5.418, 5.419, 5.420, 5.421, 5.422, 5.423, 5.424, 5.425, 5.426, 5.427, 5.428, 5.429, 5.430, 5.431, 5.432, 5.433, 5.434, 5.435, 5.436, 5.437, 5.438, 5.439, 5.440, 5.441, 5.442, 5.443, 5.444, 5.445, 5.446, 5.447, 5.448, 5.449, 5.450, 5.451, 5.452, 5.453, 5.454, 5.455, 5.456, 5.457, 5.458, 5.459, 5.460, 5.461, 5.462, 5.463, 5.464, 5.465, 5.466, 5.467, 5.468, 5.469, 5.470, 5.471, 5.472, 5.473, 5.474, 5.475, 5.476, 5.477, 5.478, 5.479, 5.480, 5.481, 5.482, 5.483, 5.484, 5.485, 5.486, 5.487, 5.488, 5.489, 5.490, 5.491, 5.492, 5.493, 5.494, 5.495, 5.496, 5.497, 5.498, 5.499, 5.500, 5.501, 5.502, 5.503, 5.504, 5.505, 5.506, 5.507, 5.508, 5.509, 5.510, 5.511, 5.512, 5.513, 5.514, 5.515, 5.516, 5.517, 5.518, 5.519, 5.520, 5.521, 5.522, 5.523, 5.524, 5.525, 5.526, 5.527, 5.528, 5.529, 5.530, 5.531, 5.532, 5.533, 5.534, 5.535, 5.536, 5.537, 5.538, 5.539, 5.540, 5.541, 5.542, 5.543, 5.544, 5.545, 5.546, 5.547, 5.548, 5.549, 5.550, 5.551, 5.552, 5.553, 5.554, 5.555, 5.556, 5.557, 5.558, 5.559, 5.560, 5.561, 5.562, 5.563, 5.564, 5.565, 5.566, 5.567, 5.568, 5.569, 5.570, 5.571, 5.572, 5.573, 5.574, 5.575, 5.576, 5.577, 5.578, 5.579, 5.580, 5.581, 5.582, 5.583, 5.584, 5.585, 5.586, 5.587, 5.588, 5.589, 5.590, 5.591, 5.592, 5.593, 5.594, 5.595, 5.596, 5.597, 5.598, 5.599, 5.600, 5.601, 5.602, 5.603, 5.604, 5.605, 5.606, 5.607, 5.608, 5.609, 5.610, 5.611, 5.612, 5.613, 5.614, 5.615, 5.616, 5.617, 5.618, 5.619, 5.620, 5.621, 5.622, 5.623, 5.624, 5.625, 5.626, 5.627, 5.628, 5.629, 5.630, 5.631, 5.632, 5.633, 5.634, 5.635, 5.636, 5.637, 5.638, 5.639, 5.640, 5.641, 5.642, 5.643, 5.644, 5.645, 5.646, 5.647, 5.648, 5.649, 5.650, 5.651, 5.652, 5.653, 5.654, 5.655, 5.656, 5.657, 5.658, 5.659, 5.660, 5.661, 5.662, 5.663, 5.664, 5.665, 5.666, 5.667, 5.668, 5.669, 5.670, 5.671, 5.672, 5.673, 5.674, 5.675, 5.676, 5.677, 5.678, 5.679, 5.680, 5.681, 5.682, 5.683, 5.684, 5.685, 5.686, 5.687, 5.688, 5.689, 5.690, 5.691, 5.692, 5.693, 5.694, 5.695, 5.696, 5.697, 5.698, 5.699, 5.700, 5.701, 5.702, 5.703, 5.704, 5.705, 5.706, 5.707, 5.708, 5.709, 5.710, 5.711, 5.712, 5.713, 5.714, 5.715, 5.716, 5.717, 5.718, 5.719, 5.720, 5.721, 5.722, 5.723, 5.724, 5.725, 5.726, 5.727, 5.728, 5.729, 5.730, 5.731, 5.732, 5.733, 5.734, 5.735, 5.736, 5.737, 5.738, 5.739, 5.740, 5.741, 5.742, 5.743, 5.744, 5.745, 5.746, 5.747, 5.748, 5.749, 5.750, 5.751, 5.752, 5.753, 5.754, 5.755, 5.756, 5.757, 5.758, 5.759, 5.760, 5.761, 5.762, 5.763, 5.764, 5.765, 5.766, 5.767, 5.768, 5.769, 5.770, 5.771, 5.772, 5.773, 5.774, 5.775, 5.776, 5.777, 5.778, 5.779, 5.780, 5.781, 5.782, 5.783, 5.784, 5.785, 5.786, 5.787, 5.788, 5.789, 5.790, 5.791, 5.792, 5.793, 5.794, 5.795, 5.796, 5.797, 5.798, 5.799, 5.800, 5.801, 5.802, 5.803, 5.804, 5.805, 5.806, 5.807, 5.808, 5.809, 5.810, 5.811, 5.812, 5.813, 5.814, 5.815, 5.816, 5.817, 5.818, 5.819, 5.820, 5.821, 5.822, 5.823, 5.824, 5.825, 5.826, 5.827, 5.828, 5.829, 5.830, 5.831, 5.832, 5.833, 5.834, 5.835, 5.836, 5.837, 5.838, 5.839, 5.840, 5.841, 5.842, 5.843, 5.844, 5.845, 5.846, 5.847, 5.848, 5.849, 5.850, 5.851, 5.852, 5.853, 5.854, 5.855, 5.856, 5.857, 5.858, 5.859, 5.860, 5.861, 5.862, 5.863, 5.864, 5.865, 5.866, 5.867, 5.868, 5.869, 5.870, 5.871, 5.872, 5.873, 5.874, 5.875, 5.876, 5.877, 5.878, 5.879, 5.880, 5.881, 5.882, 5.883, 5.884, 5.885, 5.886, 5.887, 5.888, 5.889, 5.890, 5.891, 5.892, 5.893, 5.894, 5.895, 5.896, 5.897, 5.898, 5.899, 5.900, 5.901, 5.902, 5.903, 5.904, 5.905, 5.906, 5.907, 5.908, 5.909, 5.910, 5.911, 5.912, 5.913, 5.914, 5.915, 5.916, 5.917, 5.918, 5.919, 5.920, 5.921, 5.922, 5.923, 5.924, 5.925, 5.926, 5.927, 5.928, 5.929, 5.930, 5.931, 5.932, 5.933, 5.934, 5.935, 5.936, 5.937, 5.938, 5.939, 5.940, 5.941, 5.942, 5.943, 5.944, 5.945, 5.946, 5.947, 5.948, 5.949, 5.950, 5.951, 5.952, 5.953, 5.954, 5.955, 5.956, 5.957, 5.958, 5.959, 5.960, 5.961, 5.962, 5.963, 5.964, 5.965, 5.966, 5.967, 5.968, 5.969, 5.970, 5.971, 5.972, 5.973, 5.974, 5.975, 5.976, 5.977, 5.978, 5.979, 5.980, 5.981, 5.982, 5.983, 5.984, 5.985, 5.986, 5.987, 5.988, 5.989, 5.990, 5.991, 5.992, 5.993, 5.994, 5.995, 5.996, 5.997, 5.998, 5.999, 6.000

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IX. CURB RAMPS

- 7. ALL CURB RAMPS SHALL HAVE A GROOVED BORDER 12" WIDE AT THE LEVEL SURFACE OF THE SIDEWALK ALONG THE TOP AND EACH SIDE APPROXIMATELY 3/4" ON CENTER. ALL CURB RAMPS CONSTRUCTED BETWEEN THE FACE OF THE CURB AND THE STREET SHALL HAVE A GROOVED BORDER AT THE LEVEL SURFACE OF THE SIDEWALK. SEC 1127B.5.7.
8. CURB RAMPS SHALL BE LOCATED OR PROTECTED TO PREVENT THEIR OBSTRUCTION BY PARKED CARS. SEC 1127B.5.9.
9. DETECTABLE WARNINGS AND DETECTABLE DIRECTIONAL TEXTURE (CBC SECTION 11B-247) & (CBC SECTION 11B-705)
a. CURB RAMPS SHALL HAVE DETECTABLE WARNINGS THAT EXTEND 36 INCHES IN THE DIRECTION OF TRAVEL FOR THE FULL WIDTH OF THE RAMP RUN LESS THAN 2 INCHES MAXIMUM ON EACH SIDE, EXCLUDING ANY FLARED SIDES. (CBC SECTION 11B-247.1.2.2), (CBC SECTION 11B-705.1.2.2)
b. ON PERPENDICULAR CURB RAMPS, DETECTABLE WARNINGS SHALL BE LOCATED SO THE EDGE NEAREST THE CURB IS 6 TO 8 INCHES FROM THE LINE AT THE FACE OF THE CURB MARKING THE TRANSITION BETWEEN THE CURB AND THE GUTTER, STREET OR HIGHWAY. (CBC SECTION 11B247.1.2.2), (CBC SECTION 11B-705.1.2.2)
c. ON PARALLEL CURB RAMPS, DETECTABLE WARNINGS SHALL BE PLACED ON THE TURNING SPACE AT THE FLUSH TRANSITION BETWEEN THE STREET AND SIDEWALK. DETECTABLE WARNINGS SHALL EXTEND THE FULL WIDTH OF THE TURNING SPACE AT THE FLUSH TRANSITION BETWEEN THE STREET AND THE SIDEWALK LESS THAN 2 INCHES MAXIMUM ON EACH SIDE (CBC SECTION 11B-247.1.2.2), (CBC SECTION 11B-705.1.2.2), (FIGURE 11B-406.3.2)
d. ISLANDS OR CUT-THROUGH MEDIANS 96 INCHES OR LONGER IN LENGTH IN THE DIRECTION OF PEDESTRIAN TRAVEL SHALL HAVE DETECTABLE WARNINGS THAT ARE 36 INCHES MINIMUM IN DEPTH EXTENDING THE FULL WIDTH OF THE PEDESTRIAN PATH OR CUT-THROUGH LESS THAN 2 INCHES MAXIMUM ON EACH SIDE, PLACED AT THE EDGES OF THE PEDESTRIAN ISLAND OR CUT-THROUGH MEDIAN, AND SEPARATED BY 24 INCHES MINIMUM OF WALKING SURFACE WITHOUT DETECTABLE WARNINGS. (CBC SECTION 11B-247.1.2.3), (CBC SECTION 11B-705.1.2.3)
e. WALKS THAT CROSS OR ADJOIN A ROUTE PROVIDED FOR VEHICULAR TRAFFIC, SUCH AS IN A STREET, DRIVEWAY, OR PARKING FACILITY, SHALL BE SEPARATED BY DETECTABLE WARNINGS, CURBS, RAILINGS OR OTHER ELEMENTS BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS. (CBC SECTION 202), (CBC SECTION 11B-247.1.2.5), (CBC SECTION 11B-705.1.2.5)
f. DETECTABLE WARNINGS PROVIDED TO SEPARATE WALKS THAT CROSS OR ADJOIN A ROUTE PROVIDED FOR VEHICULAR TRAFFIC, SUCH AS IN A STREET, DRIVEWAY, OR PARKING FACILITY, SHALL BE 36 INCHES IN WIDTH AND CONTINUOUS AT THE BOUNDARY BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS. (CBC SECTION 202), (CBC SECTION 11B-247.1.2.5), (CBC SECTION 11B-705.1.2.5)
g. DETECTABLE WARNING SURFACES SHALL BE YELLOW AND APPROXIMATE FS 33538 OF FEDERAL STANDARD 595C. (CBC SECTION 11B-705.1.1.3.1)

VII. SWITCHES AND ELECTRICAL OUTLETS

- 3. THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF SWITCHES USED TO CONTROL LIGHT SWITCHES, THERMOSTATS, AND OTHER ENVIRONMENTAL CONTROLS SHALL BE LOCATED NO HIGHER THAN 48 INCHES AND NO LOWER THAN 15 INCHES ABOVE THE FLOOR. SEC 210-7(G).
4. IF THE REACH IS OVER AN OBSTRUCTION (FOR EXAMPLE, A KITCHEN BASE CABINET) BETWEEN 20 AND 25 INCHES IN DEPTH, THE MAXIMUM HEIGHT IS REDUCED TO 44 INCHES FOR FORWARD APPROACH, OR 46 INCHES FOR SIDE APPROACH PROVIDED THE OBSTRUCTION IS NO MORE THAN 24 INCHES IN DEPTH. OBSTRUCTION SHALL NOT EXTEND MORE THAN 25 INCHES FROM THE WALL BENEATH A CONTROL OR THE RECEPTACLE. CEC SEC 210-7(G.1), 380-8(C.1).
5. THE CENTER OF RECEPTACLE OUTLETS ON BRANCH CIRCUIT OF 30-AMPERES OR LESS SHALL BE LOCATED NO HIGHER THAN 48 INCHES AND NO LOWER THAN 15 INCHES ABOVE THE FLOOR. IF THE REACH IS OVER AN OBSTRUCTION, COMPLY WITH THE SAME REQUIREMENTS SPECIFIED IN ITEM NO. 4. CEC SEC 210-7(G.1).
6. THE CENTER OF FIRE ALARM INITIATING DEVICES SHALL BE LOCATED 48 INCHES ABOVE THE LEVEL OF THE FLOOR, WORKING PLATFORM, GROUND SURFACE, OR SIDEWALK. SEC 760-9.
7. CLEAR FLOOR SPACE THAT ALLOWS FORWARD OR PARALLEL APPROACH BY A PERSON USING A WHEELCHAIR SHALL BE PROVIDED AT CONTROLS, DISPENSERS, RECEPTACLES, AND OTHER OPERABLE EQUIPMENT.
8. CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE FORCE. WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PUNCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS OF FORCE
9. LIGHT SWITCHES, THERMOSTATS, AND OTHER ENVIRONMENTAL CONTROLS SHALL BE LOCATED NO HIGHER THAN 48 INCHES, AND NO LOWER THAN 15 INCHES ABOVE THE FLOOR. CEC SEC 380-8(C.1).

VIII. STORAGE

- 1. GENERAL : IF FIXED STORAGE FACILITIES SUCH AS CABINETS, SHELVES, CLOSETS OR DRAWERS ARE PROVIDED WHERE ACCESS IS REQUIRED BY SECTION 101.17.11, AT LEAST ONE OF EACH TYPE SHALL COMPLY WITH THIS SECTION. ADDITIONAL STORAGE MAY BE PROVIDED OUTSIDE OF REACH RANGE. SEC 1125B.1
2. CLEAR FLOOR SPACE: A CLEAR FLOOR SPACE AT LEAST 30 INCHES BY 48 INCHES COMPLYING WITH SECTION 1118B.4 THAT ALLOWS EITHER A FORWARD OR PARALLEL APPROACH BY A PERSON USING A WHEELCHAIR SHALL BE PROVIDED AT ACCESSIBLE STORAGE FACILITIES. SEC 1125B.2
3. HEIGHT: ACCESSIBLE STORAGE SPACE SHALL BE WITHIN AT LEAST ONE OF THE REACH RANGES SPECIFIED IN SECTIONS 1118B.5 AND 1118B.6. CLOTHES RODS SHALL BE A MAXIMUM OF 54 INCHES FROM THE FLOOR FOR A SIDE APPROACH. WHERE THE DISTANCE FROM THE WHEELCHAIR TO THE CLOTHES ROD OR SHELF EXCEEDS 10 INCHES, AS IN CLOSETS WITHOUT ACCESSIBLE DOORS, THE HEIGHT AND DEPTH TO THE ROD OR SHELF SHALL COMPLY WITH FIGURE 11B-5D. SEC 1125B.3
4. HARDWARE: HARDWARE FOR ACCESSIBLE STORAGE FACILITIES SHALL COMPLY WITH SECTION 1117B.6. TOUCH LATCHES AND U-SHAPED PULLS ARE ACCEPTABLE. SEC 1125B.4

IX. CURB RAMPS

- 1. CURB RAMPS SHALL BE A MINIMUM OF 4' IN WIDTH AND SHALL LIE, GENERALLY, IN A SINGLE SLOPED PLANE, WITH A MINIMUM OF SURFACE WARPING AND CROSS SLOPE. SEC 1127B.5.2
2. THE SLOPE OF CURB RAMPS SHALL NOT EXCEED 1 VERTICAL TO 12 HORIZONTAL. SEC 1127B.5.3
3. TRANSITIONS FROM RAMPS TO WALKS, GUTTERS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES, EXCEPT THAT THE LOWER END OF EACH CURB RAMP SHALL HAVE A 1/2" LIP BEVELED AT 45 DEGREES. SEC 1127B5.3 & 5
4. MAXIMUM SLOPES OF ADJOINING GUTTERS, ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP OR ACCESSIBLE ROUTE, SHALL NOT EXCEED 1:20 WITHIN 4' OF THE TOP AND BOTTOM OF THE CURB RAMP. THE SLOPE OF THE FANNED OR FLARED SIDES OF CURB RAMPS SHALL NOT EXCEED 1 VERTICAL TO 10 HORIZONTAL. SEC 1127B.5.3.
5. A LEVEL LANDING 4' DEEP SHALL BE PROVIDED AT THE UPPER END OF EACH CURB RAMP OVER ITS FULL WIDTH TO PERMIT SAFE EGRESS FROM THE RAMP SURFACE, OR THE SLOPE OF THE FANNED OR FLARED SIDES OF THE CURB RAMP SHALL NOT EXCEED 1 VERTICAL TO 12 HORIZONTAL. SEC 1127B.5.4.
6. THE SURFACE OF EACH CURB RAMP AND ITS FLARED SIDES SHALL BE STABLE, FIRM, AND SLIP RESISTANT AND SHALL BE OF CONTRASTING FINISH FROM THAT OF THE ADJACENT SIDEWALK. SEC 1127B.5.6.

V. DOORWAYS

- 3. HAND-ACTIVATED DOOR HARDWARE SHALL BE CENTERED BETWEEN 30" AND 44" ABOVE THE FLOOR. SEC 1133B.2.5.1.
4. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND THAT ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. LOCKED EXIT DOORS SHALL OPERATE PER SECTION 1133B.2.5 IN EGRESS DIRECTION. SEC 1133B.2.5.1.
5. THERE SHALL BE A LEVEL AND CLEAR FLOOR OR LANDING ON EACH SIDE OF A DOOR. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60" AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 48" AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN THE CLOSED POSITION. WHERE THE PLANE OF THE DOORWAY IS OFFSET OR LOCATED IN AN ALCOVE A DISTANCE MORE THAN 8 INCHES MEASURED FROM THE PLANE OF THE DOORWAY TO THE FACE OF THE WALL, THE DOOR SHALL BE PROVIDED WITH 60" MANEUVERING CLEARANCE FOR FRONT APPROACH. SEC 1133B.2.4.2, 1133B.2.5.3.
6. THE FLOOR OR LANDING IMMEDIATELY OUTSIDE THE ENTRY MAY BE SLOPED UP TO 1/8 INCH PER FOOT IN THE DIRECTION AWAY FROM THE PRIMARY ENTRANCE FOR DRAINAGE. SEC 1120A.2.4.2, EXCEPTION 2.
7. FOR HINGED DOORS, THE OPENING WIDTH SHALL BE MEASURED WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. SEC 1133B.2.3.
8. THE WIDTH OF THE LEVEL AREA ON THE SIDE TO WHICH THE DOOR SWINGS SHALL EXTEND 24" PAST THE STRIKE EDGE OF THE DOOR FOR EXTERIOR DOORS AND 18" PAST THE STRIKE EDGE FOR INTERIOR DOORS. WHERE THE DOOR IS RECESSED OR LOCATED IN AN ALCOVE, THE PROJECTION DISTANCE ALLOWED TO PROJECT INTO THE REQUIRED DOOR STRIKE CLEARANCE MEASURED FROM THE FACE OF THE WALL TO THE FACE OF THE DOOR IS LIMITED TO 8". SEC 1133B.2.4.3, 1133B.2.4.5.
9. THE FLOOR OR LANDING SHALL BE NOT BE MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGES IN LEVEL BETWEEN 1/4 INCH AND 1/2 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1 UNIT VERTICAL IN 2 UNITS HORIZONTAL (50% SLOPE). CHANGES IN LEVEL GREATER THAN 1/2 INCH SHALL BE ACCOMPLISHED BY MEANS OF A RAMP. SEC 1133B.2.4.1.

VI. HAZARDS & PROTRUDING OBJECTS

- 1. ABRUPT CHANGES IN LEVEL, EXCEPT BETWEEN A WALK OR SIDEWALK AND AN ADJACENT STREET OR DRIVEWAY, EXCEEDING 4" IN A VERTICAL DIMENSION, SUCH AS PLANTERS OR FOUNTAINS LOCATED IN OR ADJACENT TO WALKS, SIDEWALKS, OR OTHER PEDESTRIAN WAYS, SHALL BE IDENTIFIED BY WARNING CURBS PROJECTING AT LEAST 6" IN HEIGHT ABOVE THE WALK OR SIDEWALK SURFACE TO WARN THE BLIND OF A POTENTIAL DROP OFF. SEC 1133B.8.1.
2. WHEN A GUARDRAIL OR HANDRAIL IS PROVIDED, NO WARNING CURB IS REQUIRED WHEN A GUARDRAIL IS PROVIDED CENTERED 3" + OR - 1" ABOVE THE SURFACE OF THE WALK OR SIDEWALK, THE WALK IS 5% OR LESS GRADIENT, OR NO ADJACENT HAZARD EXISTS. SEC 1133B.8.1.
3. ANY OBSTRUCTION THAT OVERHANGS A PEDESTRIAN WAY SHALL BE A MINIMUM OF 80" ABOVE THE WALKING SURFACE AS MEASURED FROM THE BOTTOM OF THE OBSTRUCTION. SEC 1133B.8.2.
5. OBJECTS PROJECTING FROM WALLS WITH THEIR LEADING EDGES BETWEEN 27" AND 80" ABOVE THE FINISHED FLOOR SHALL PROTRUDE NO MORE THAN 4" INTO WALKS, HALLS, CORRIDORS, PASSAGEWAYS, OR AISLES.
6. OBJECTS MOUNTED WITH THEIR LEADING EDGES AT OR BELOW 27" ABOVE THE FINISHED FLOOR MAY PROTRUDE ANY AMOUNT INTO WALKS, HALLS, CORRIDORS, PASSAGEWAYS, OR AISLES. SEC. 1121B.1.
7. FREE-STANDING OBJECTS MOUNTED ON POSTS OR PYLONS MAY OVERHANG 12" MAXIMUM FROM 27" TO 80" ABOVE THE GROUND OR FINISHED FLOOR. SEC. 1121B.1.
8. PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR WIDTH OF AN ACCESSIBLE ROUTE OR MANEUVERING SPACE. SEC. 1121B.1.

VII. SWITCHES AND ELECTRICAL OUTLETS

- 1. THE CENTER OF ELECTRICAL AND COMMUNICATION SYSTEM RECEPTACLE OUTLETS SHALL BE INSTALLED NOT LESS THAN 15 INCHES ABOVE THE FLOOR OR WORKING PLATFORM. SEC 210-7(G).
2. THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF CONTROLS OR SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES, OR COOLING, HEATING, AND VENTILATING EQUIPMENT SHALL NOT BE MORE THAN 48 INCHES ABOVE THE FLOOR OR WORKING PLATFORM. CEC SEC 380-8(C).

III. PARKING

- 10. PEDESTRIAN WAYS WHICH ARE ACCESSIBLE TO PEOPLE WITH PHYSICAL DISABILITIES SHALL BE PROVIDED FROM EACH DISABLED PARKING SPACE TO RELATED FACILITIES, INCLUDING CURB CUTS OR RAMPS AS NEEDED. RAMPS SHALL NOT ENCR OACH INTO ANY PARKING SPACE. SEC 1129B.2.3.
11. EACH PARKING SPACE RESERVED FOR PERSONS WITH DISABILITIES SHALL BE IDENTIFIED BY A REFLECTORIZED SIGN PERMANENTLY POSTED IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH SPACE, CONSISTING OF A PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT IN WHITE ON DARK BLUE BACKGROUND. THE SIGN SHALL NOT BE SMALLER THAN 70 SQUARE INCHES IN AREA AND, WHEN IN A PATH OF TRAVEL, SHALL BE POSTED AT A MINIMUM HEIGHT OF 80" FROM THE BOTTOM OF THE SIGN TO THE PARKING SPACE FINISHED GRADE. SEC 1129B.5
12. SIGNS TO IDENTIFY ACCESSIBLE PARKING SPACES MAY ALSO BE CENTERED ON A WALL AT THE INTERIOR END OF THE PARKING SPACE AT A MINIMUM HEIGHT OF 36" FROM THE PARKING SPACE FINISHED GRADE, GROUND OR SIDEWALK. SEC 1129B.5
13. VAN ACCESSIBLE PARKING SPACES SHALL HAVE AN ADDITIONAL SIGN STATING "VAN ACCESSIBLE" MOUNTED BELOW THE SYMBOL OF ACCESSIBILITY AND POSTED AT A MINIMUM HEIGHT OF 80" FROM THE BOTTOM OF THE SIGN TO THE PARKING SPACE FINISHED GRADE. SEC 1129B.5
14. A SIGN SHALL ALSO BE POSTED, IN A CONSPICUOUS PLACE, AT EACH ENTRANCE TO OFF-STREET PARKING FACILITIES, OR IMMEDIATELY ADJACENT TO AND VISABLE FROM EACH STALL OR SPACE. THE SIGN SHALL NOT BE LESS THAN 17"x22" IN SIZE WITH LETTERING NOT LESS THAN 1-INCH IN HEIGHT, WHICH CLEARLY STATES THE FOLLOWING: "UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES MAY BE TOWED AWAY AT OWNER'S EXPENCE. TOWED VEHICLES MAY BE RECLAIMED AT _____, OR BY TELEPHONING _____." NOTE: BLANK SPACES ARE TO BE FILLED IN WITH APPROPRIATE INFORMATION AS A PERMANENT PART OF THE SIGN. SEC 1129B.5
15. IN ADDITION TO THE ABOVE SIGNAGE REQUIREMENTS, THE SURFACE OF EACH ACCESSIBLE PARKING SPACE SHALL HAVE A SURFACE IDENTIFICATION DUPLICATING EITHER OF THE FOLLOWING SCHEMES: A) BY OUTLINING OR PAINTING THE STALL OR SPACE IN BLUE AND OUTLINING ON THE GROUND IN THE STALL OR SPACE IN WHITE OR SUITABLE CONTRASTING COLOR A PROFILE VIEW DEPICTING A WHEELCHAIR WITH OCCUPANT. SEC 1118A.5.1. B) BY OUTLINING A PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT IN WHITE ON BLUE BACKGROUND. THE PROFILE VIEW SHALL BE LOCATED SO THAT IT IS VISIBLE TO A TRAFFIC ENFORCEMENT OFFICER WHEN A VEHICLE IS PROPERLY PARKED IN THE SPACE AND SHALL BE 36 INCHES HIGH BY 36 INCHES WIDE. SEC 1129B.5.1 & 1129B.5.2.

- 16. ADDITIONAL LANGUAGE OR AN ADDITIONAL SIGN BELOW THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL STATE "MINIMUM FEE \$250." (CBC SECTION 11B-502.6.2)

IV. WALKS & SIDEWALKS

- 1. WALKS AND SIDEWALKS SHALL BE 48" MINIMUM IN WIDTH. SEC 1133B.7.1
2. WALKS AND SIDEWALK SURFACES SHALL BE SLIP-RESISTANT AS FOLLOWS: A) SURFACES WITH A SLOPE OF LESS THAN 6% GRADIENT SHALL BE AT LEAST AS SLIP-RESISTANT AS THAT DESCRIBED AS A MEDIUM SALTED SURFACE, SEC 1133B.7.1.1; B) SURFACES WITH A SLOPE OF 6% OR GREATER GRADIENT SHALL BE SLIP RESISTANT. SEC 1133B.7.1.2
3. WALK AND SIDEWALK SURFACE CROSS SLOPES SHALL NOT EXCEED 1/4" PER FOOT EXCEPT WHEN THE ENFORCING AGENCY FINDS THAT DUE TO LOCAL CONDITIONS IT CREATES AN UNREASONABLE HARDSHIP THE CROSS SLOPE CAN BE INCREASED TO A MAXIMUM OF 1/2" PER FOOT FOR DISTANCES NOT TO EXCEED 20'. SEC 1133B.7.3

V. DOORWAYS

- 1. EVERY REQUIRED EXIT MUST BE LARGE ENOUGH TO PERMIT A DOOR AT LEAST 3 FEET WIDE AND 6 FEET 8 INCHES HIGH. EXIT DOORS SHALL OPEN AT LEAST 90 DEGREES AND PROVIDE A CLEAR WIDTH OF AT LEAST 32 INCHES. 34 INCH WIDE DOOR IS ACCEPTABLE WITHIN THE UNIT PROVIDED 32 INCH CLEAR OPENING IS MAINTAINED. SEC 1120A.2.2, 1003.3.1.3A, & 1109A.1 EXCEPTION
2. EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, OR ANY SPECIAL KNOWLEDGE OR EFFORT. EXIT DOORS FROM BUILDINGS OR ROOMS SERVING 10 OR FEWER OCCUPANTS MAY HAVE A NIGHT LATCH, DEADBOLT, OR SECURITY CHAIN, AS LONG AS THE DOORS CAN STILL BE OPENED FROM THE INSIDE WITHOUT A KEY, SPECIAL KNOWLEDGE OR EFFORT. IN ADDITION, THESE DEVICES ARE NOT TO BE MOUNTED MORE THAN 48 INCHES ABOVE THE FLOOR. MANUALLY OPERATED EDGE BOLTS, SURFACE MOUNTED FLUSH BOLTS AND SURFACE BOLTS ARE PROHIBITED. WHEN EXIT DOORS ARE USED IN PAIRS AND AUTOMATIC FLUSH BOLTS ARE USED, THE DOOR LEAF WITH THE FLUSH BOLT MUST HAVE NO DOORKNOB OR SURFACE MOUNTED HARDWARE. THE UNLATCHING OF ANY LEAF MUST NOT REQUIRE MORE THAN ONE OPERATION. SEC 1120A.2.1 AND 1003.3.1.8.

I. SITE DEVELOPMENT

- 1. THE ACCESSIBLE ROUTE OF TRAVEL SHALL BE THE MOST PRACTICAL DIRECT ROUTE BETWEEN ACCESSIBLE BUILDING ENTRANCES, ACCESSIBLE SITE FACILITIES, AND THE ACCESSIBLE ENTRANCE TO THE SITE. SEC 1117A.1
2. GRADE AND DEVELOP SITE SO THAT ACCESSIBLE ROUTES OF TRAVEL ARE PROVIDED FROM BOTH THE PUBLIC WAY AND THE SPECIAL PARKING SPACE(S) PROVIDED FOR THE DISABLED TO ALL PRIMARY BUILDING ENTRANCES. SEC 1107A.2.1.

II. ACCESSIBLE ROUTE OF TRAVEL

- 1. WHEN A BUILDING OR PORTION OF A BUILDING IS REQUIRED TO BE ACCESSIBLE OR ADAPTABLE, AN ACCESSIBLE ROUTE OF TRAVEL SHALL BE PROVIDED TO ALL PORTIONS OF THE BUILDING, TO ACCESSIBLE BUILDING ENTRANCES, AND BETWEEN THE BUILDING AND THE PUBLIC WAY. SEC 1114B.1.2.
2. AT LEAST ONE ACCESSIBLE ROUTE WITHIN THE BOUNDARY OF THE SITE SHALL BE PROVIDED FROM PUBLIC TRANSPORTATION STOPS, ACCESSIBLE PARKING AND ACCESSIBLE PASSENGER LOADING ZONES, AND PUBLIC STREET OR SIDEWALKS TO THE ACCESSIBLE BUILDING ENTRANCE THEY SERVE. THE ACCESSIBLE ROUTE SHALL, TO MAXIMUM EXTENT FEASIBLE, COINCIDE WITH THE ROUTE FOR GENERAL PUBLIC. SEC 1114B.1.2.
3. WHERE MORE THAN ONE ROUTE OF TRAVEL IS PROVIDED, ALL ROUTES SHALL BE ACCESSIBLE. SEC 1107A.3.
4. IF AN ACCESSIBLE ROUTE HAS CHANGES IN LEVEL GREATER THAN 1/2 INCH, THEN A CURB RAMP, RAMP, ELEVATOR, OR PLATFORM LIFT SHALL BE PROVIDED. SEC 1133B.7.4.
5. ACCESSIBLE ROUTE OF TRAVEL SHALL HAVE 80 INCHES MINIMUM CLEAR HEADROOM. IF VERTICAL CLEARANCE OF AN AREA ADJOINING AN ACCESSIBLE ROUTE IS REDUCED TO LESS THAN 80 NOMINAL DIMENSION, A GUARDRAIL OR OTHER BARRIER HAVING ITS LEADING EDGE AT OR BELOW 27 INCHES ABOVE THE FINISHED FLOOR SHALL BE PROVIDED. SEC 1107A.8.
6. ALL WALKS, HALLS, CORRIDORS, AISLES, AND OTHER SPACES THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL PROVIDE A MINIMUM CLEAR WIDTH OF 48 INCHES. 1114B.1.2.

III. PARKING

- 1. ACCESSIBLE PARKING SERVING A PARTICULAR BUILDING SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE OF TRAVEL TO AN ACCESSIBLE BUILDING. IN BUILDINGS WITH MULTIPLE ACCESSIBLE BUILDING ENTRANCES WITH ADJACENT PARKING, ACCESSIBLE PARKING SPACES SHALL BE DISPERSED AND LOCATED CLOSEST TO THE ACCESSIBLE ENTRANCES. SEC 1129B.1.
2. EACH SPACE SHALL BE 14 FEET WIDE AND OUTLINED TO PROVIDE A 9 FOOT PARKING AREA AND A 5 FOOT LOADING AND UNLOADING AREA. WHERE A SINGLE DISABLED PARKING STALL IS PROVIDED, THE LOADING AND UNLOADING AREA SHALL BE LOCATED ON THE PASSENGER SIDE OF THE VEHICLE. SEC 1129B.4.
5. TWO ADJACENT PARKING SPACES MAY BE PROVIDED WITH A 23 FOOT WIDE AREA LINED TO PROVIDE A 9 FOOT PARKING AREA ON EACH SIDE OF A 5 FOOT LOADING AND UNLOADING AREA IN THE CENTER. THE WORDS "NO PARKING" SHALL BE PAINTED ON THE GROUND WITHIN EACH FIVE FOOT LOADING AND UNLOADING ACCESS AISLES. THIS NOTICE SHALL BE PAINTED IN WHITE LETTERS NOT LESS THAN 12 INCHES HIGH AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS. SEC 1129B.4.
6. THE MINIMUM LENGTH OF EACH PARKING SPACE SHALL BE 18 FEET. SEC 1129B.3.2.
7. SURFACE SLOPES OF ACCESSIBLE PARKING SPACES SHALL BE THE MINIMUM POSSIBLE AND SHALL NOT EXCEED 1 UNIT VERTICAL TO 50 UNITS HORIZONTAL (2% SLOPE) IN ANY DIRECTION. SEC 1129B.4.4.
8. IN EACH PARKING AREA, A BUMPER OR CURB SHALL BE PROVIDED AND LOCATED TO PREVENT ENCR OACHMENT OF CARS OVER THE REQUIRED WIDTH OF WALKWAYS. SEC 1129B4.3.
9. A DISABLED PARKING SPACE SHALL BE SO LOCATED THAT PEOPLE WITH PHYSICAL DISABILITIES ARE NOT COMPELLED TO WHEEL OR WALK BEHIND PARKED CARS OTHER THAN THEIR OWN. RAMP SHALL NOT ENCR OACH INTO ANY ACCESSIBLE PARKING SPACE OR THE ADJACENT ACCESS AISLE. THE MAXIMUM CROSS SLOPE IN ANY DIRECTION FOR BOTH PARKING SPACE AND ACCESS AISLE SHALL NOT EXCEED 2% SLOPE. SEC 1129B.4.3.

Approved For State of California Commercial Modular By MA Consulting & Engineering MACE, LLC. Third Party Design Approval Agency (DAA) Certificate Number: DM1570821 These plans have been approved pursuant to the provisions of The State of California Health and Safety Code, Division 13, Part 2 and California Code of Regulations, Title 25, Chapter 3, Subchapter 2 Plan Approval No. MAC-CM 10045 Approval Date: 9/3/2023 Expiration Date: 11/30/2024

JUSTUS STUDIO, INC.

OWNER: HOME FID 1900 WRIGHT PL SUITE 200 CARLEBAD, CA 92008

ARCHITECT: JUSTUS STUDIO, INC. 4271 KENYON AVENUE LOS ANGELES, CA 90006

CONTACT: JOSEPH JUSTUS E. JOSEPHJ@JUSTUS-STUDIO.COM P: 662-294-2048

STRUCTURAL: ORION STRUCTURAL GROUP, INC. 223 E. THOUSAND OAKS BLVD., #304 THOUSAND OAKS, CA 91380

ELECTRICAL: ARB ELECTRIC, INC. 1401 N. EL CAMINO REAL #201 SAN CLEMENTE, CA 92672

MECHANICAL: VANDERVEEN ENGINEERING CONSULTANTS 42008 DELMONTE ST TEMECULA, CA 92591

COMMERCIAL MODULAR MANUFACTURER:

FREE FORM DEVELOPMENT, INC. 1146 INDUSTRIAL AVE ESCONDO, CA 92029

CONTACT: ADAM JURELA E. ADAM@FREEFORMDC.COM P: 760-801-2384

160 LA MEDIA PARKWAY NORTH CHULA VISTA, CA 91913

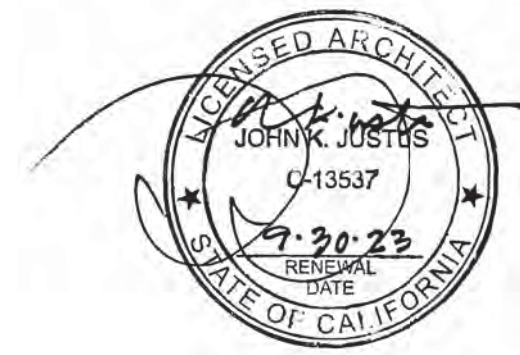


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20 FOOT CATERING CONTAINER

MODEL: HFCS20-2023CATER S/N: HFCS-20-2023

TITLE

ACCESSIBILITY NOTES

PROJECT 2023-003-00 SCALE AS NOTED DRAWN BY

SHEET NUMBER

A0-3.00

DATE 07-13-2023 SIZE: 36"x24"

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OWNER:

HOME FED
1803 WRIGHT PL
SUITE 200
CARLEBAD, CA 92008

ARCHITECT:

JUSTUS STUDIO, INC.
4271 KENYON AVENUE
LOS ANGELES, CA 90066

CONTACT: JOSEPH JUSTUS
E: JOSEPH@JUSTUS-STUDIO.COM
P: 949-294-2045

STRUCTURAL:

ORION STRUCTURAL GROUP, INC.
223 E. THOUSAND OAKS BLVD., #304
THOUSAND OAKS, CA 91380

ELECTRICAL:

ARB ELECTRIC, INC.
1401 N EL CAMINO REAL #201
SAN CLEMENTE, CA 92672

MECHANICAL:

VANDERVEEN ENGINEERING CONSULTANTS
4208 DELMONTE ST
TEMECULA, CA 92591

COMMERCIAL MODULAR MANUFACTURER:

FREE FORM DEVELOPMENT, INC.
1148 INDUSTRIAL AVE.
ESCONDIDO, CA 92029

CONTACT: ADAM JUBELE
E: ADAM@FREEFORMDC.COM
P: 760-801-2384

1960 LA MEDIA
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20 FOOT
CATERING
CONTAINER

MODEL: HFCS20-2023CATER
S/N: HFCS-20-2023

TITLE
**ACCESSIBILITY
DETAILS**

PROJECT
2023-003-00

SCALE
NTS

DRAWN BY

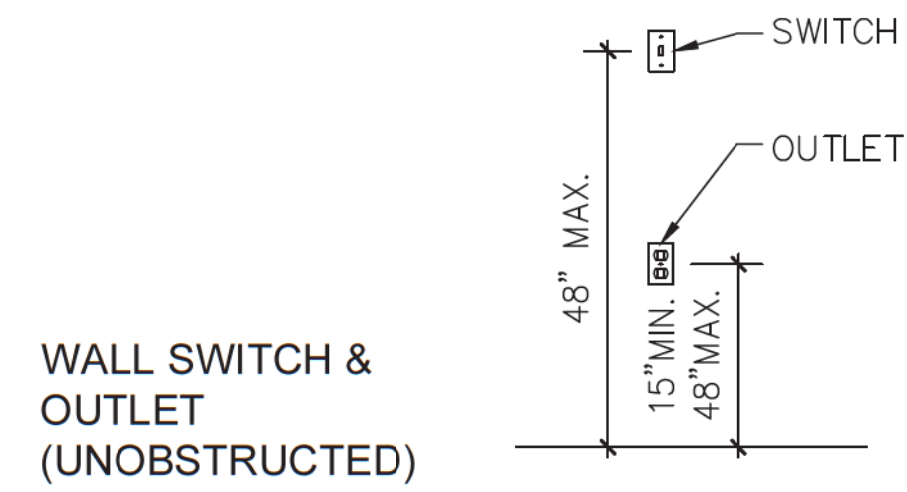
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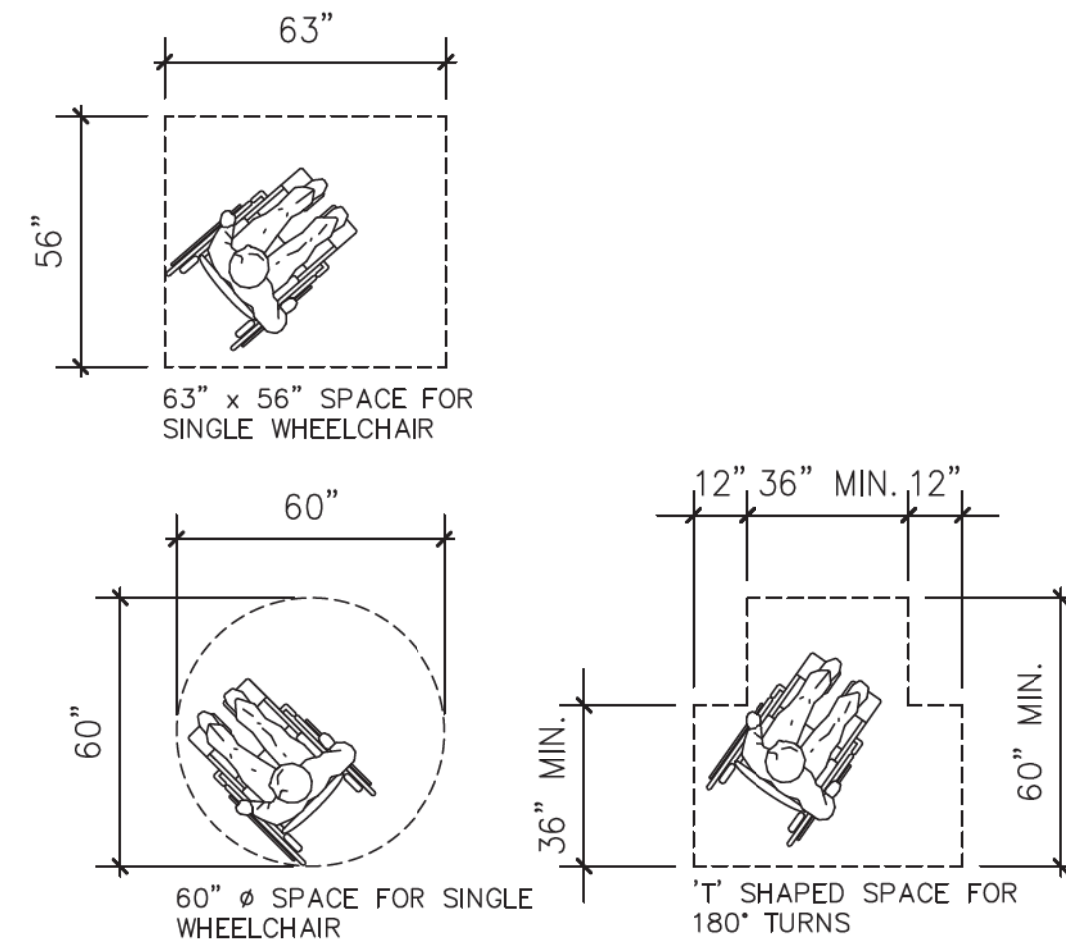
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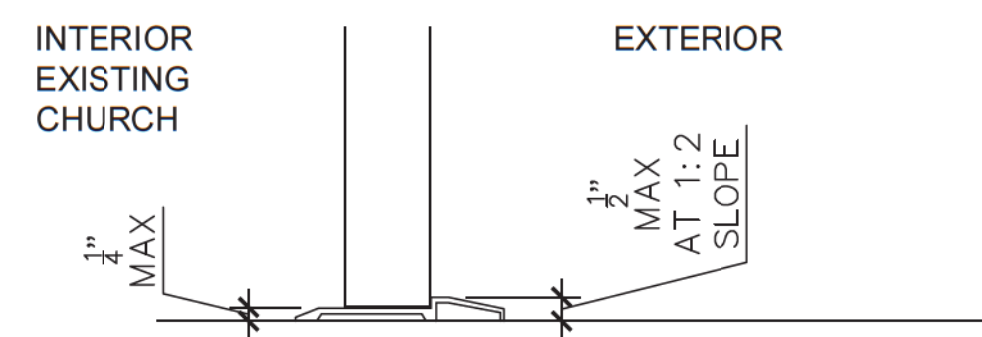
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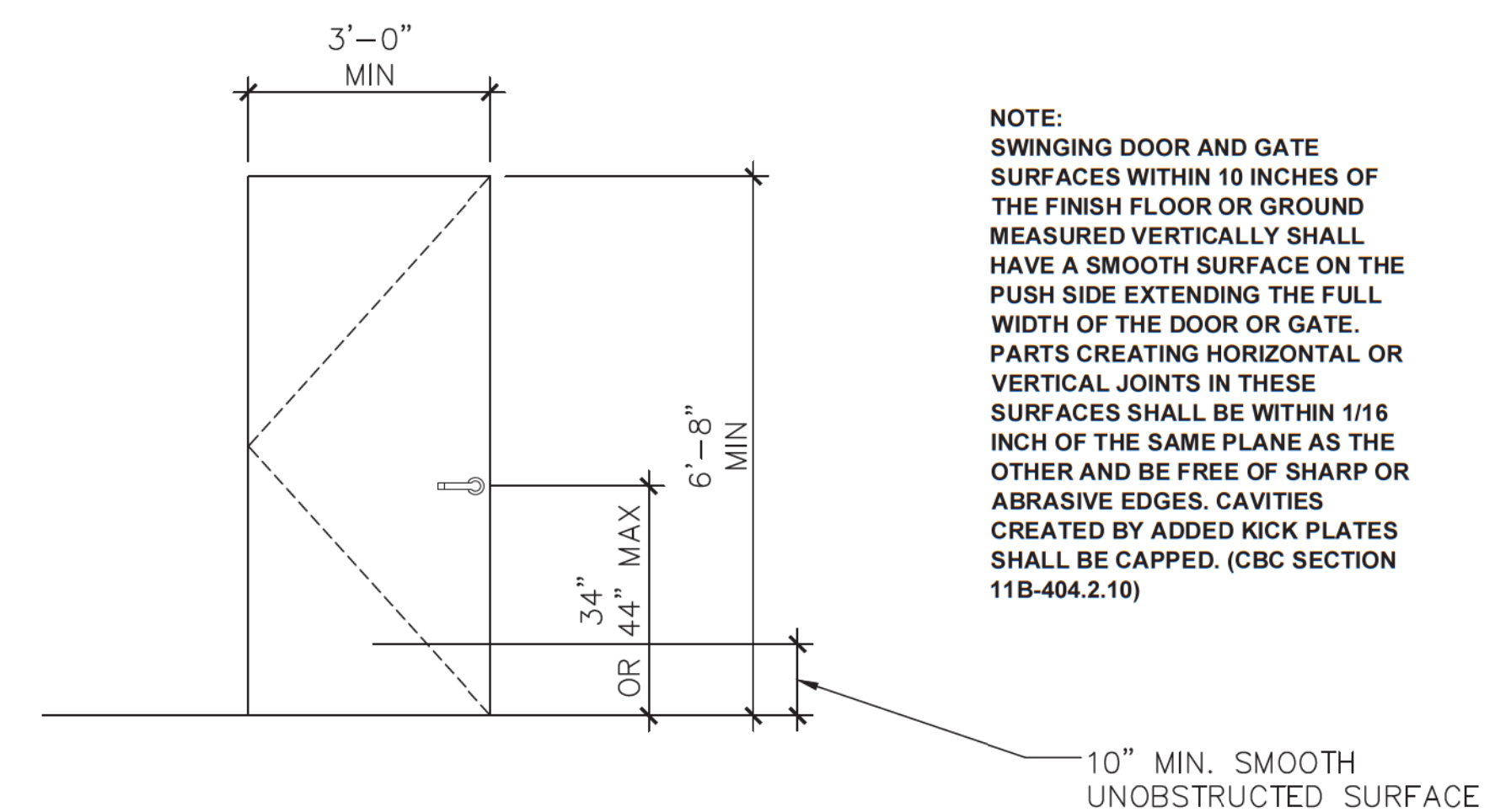
6 ACCESSIBLE SWITCH & OUTLET HEIGHT



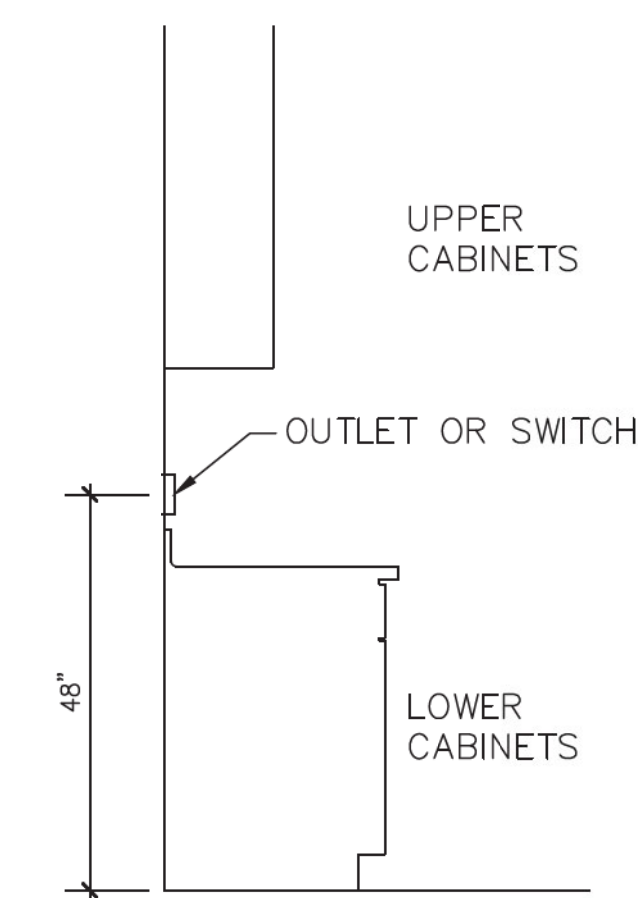
5 WHEELCHAIR TURNING SPACE REQUIREMENT



4 DOOR THRESHOLD DETAIL
3' = 1'-0"



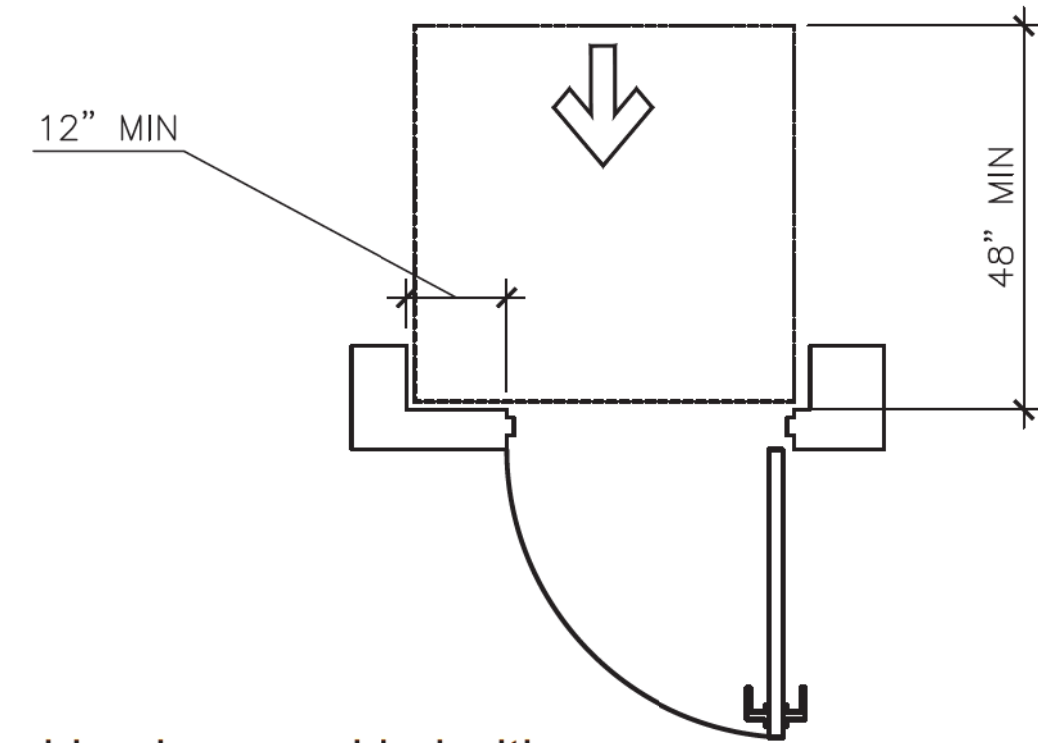
2 MINIMUM DOOR REQUIREMENTS



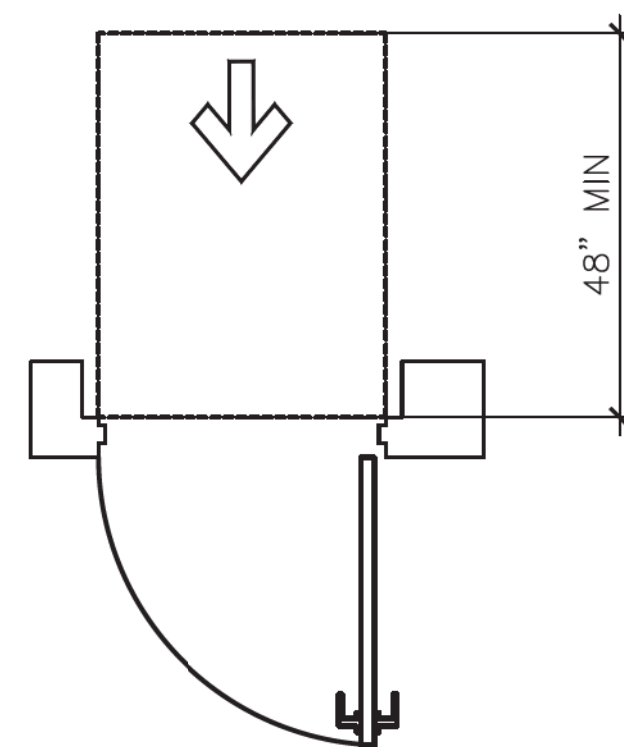
1 MINIMUM DOOR REQUIREMENTS

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Commercial Modular**
By
MA Consulting & Engineering MACE, LLC.
Third Party Design Approval Agency (DAA)
Certificate Number: DM1570821

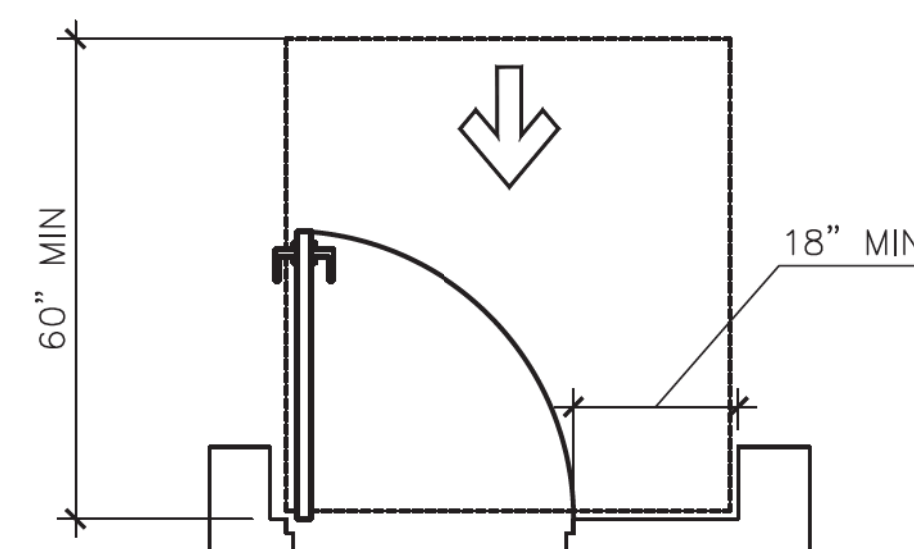
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Plan Approval No. **MAC-CM 10045**
Approval Date: **9/3/2023**
Expiration Date: **11/30/2024**



push side, door provided with both closer and latch

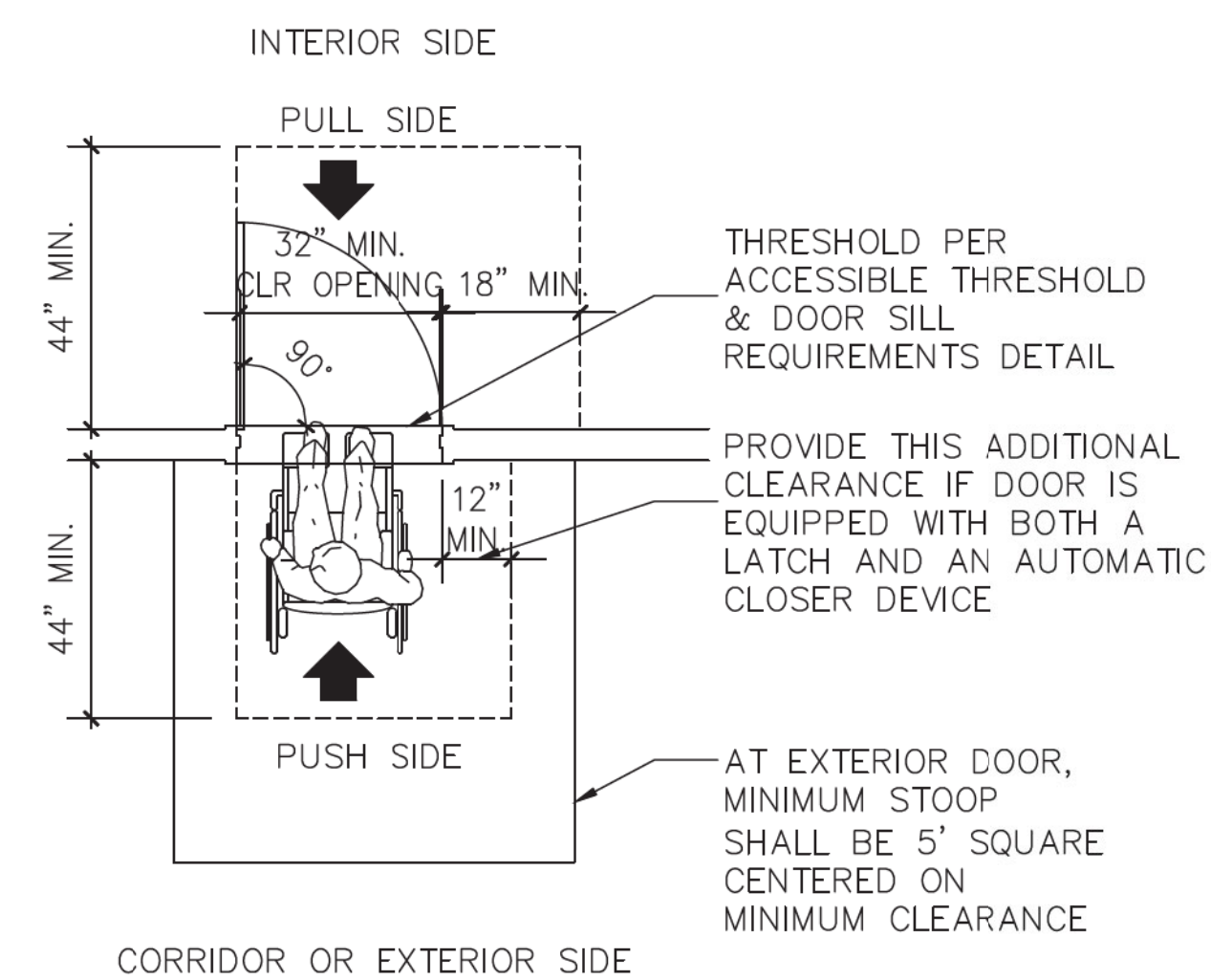


push side



pull side

7 MINIMUM DOOR REQUIREMENTS



3 LEVEL MANEUVERING CLEARANCE AT DOORS

WALL SWITCH & OUTLET (OBSTRUCTED)

| FLOOR FINISH | CEILING FINISH | BASE | WALL FINISH | | | | PAINT | COMMENTS |
|--------------|----------------|----------|-------------|------|-------|------|-------------------------------|--|
| | | | NORTH | EAST | SOUTH | WEST | | |
| BY OWNER | GWB | BY OWNER | FRP | FRP | FRP | FRP | WHITE SEMI-GLOSS ENAMEL PAINT | ALL FINISH SURFACES TO BE SMOOTH, NONABSORBENT, EASILY CLEANABLE, AND DURABLE. |

| ABBREVIATIONS | | | | | | | |
|---------------|----------------|------|---------------------|------|----------|----------------------|--|
| ALUM | ALUMINUM | WFP | WOOD STRIP FLOORING | CONC | CONCRETE | EXPOSED CONSTRUCTION | |
| WVP | WOOD VENEER | CT | CERAMIC TILE | GL | GLASS | WOOD BASE | |
| OSB | OSB BOARD | FT | PORCELAIN TILE | WB | WOOD | | |
| CP | CEMENT PLASTER | AKGD | ANGLED | | | | |

7 FINISH SCHEDULE

| PT | COLOR | MANUFACTURER | MODEL | NOTES |
|----|---------------------|------------------|----------------|-------------|
| 1 | SW 7006 EXTRA WHITE | SHERWIN WILLIAMS | SATIN EXTERIOR | ELASTOMERIC |
| 2 | SW 7006 EXTRA WHITE | SHERWIN WILLIAMS | SATIN INTERIOR | |

6 PAINT SCHEDULE

| DOOR NUMBER | TYPE | DIMENSION | | | MATERIAL | PAINT | NOTES |
|-------------|------|-----------|--------|-----------|--------------|---------------|--|
| | | WIDTH | HEIGHT | THICKNESS | | | |
| 101 | 1 | 3'-0" | 7'-0" | - | HOLLOW METAL | EXTERIOR: PT- | WITH MORTIS LOCK, KICKPLATES, DOOR CLOSER, AND DRIP EDGE |

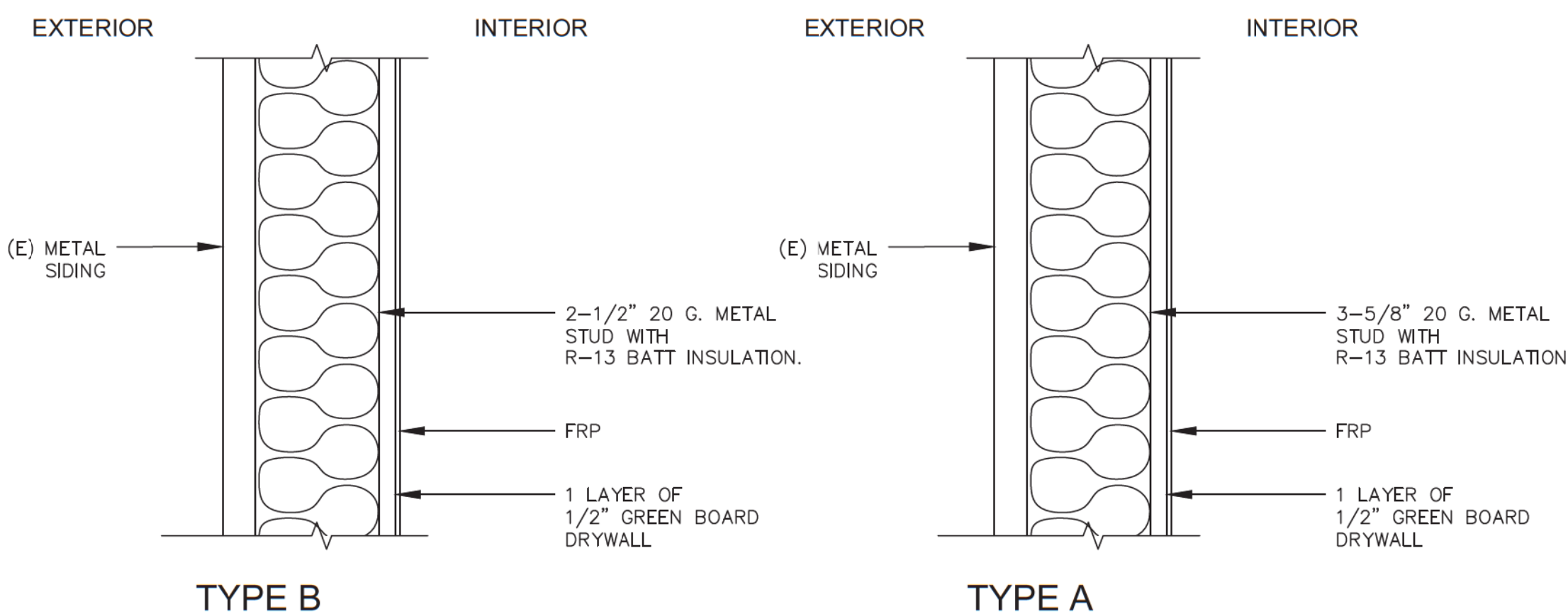
DOOR ACCESSIBILITY NOTES

- HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE MOUNTED WITH OPERABLE PARTS AT 34" MINIMUM AND 44" MAXIMUM ABOVE THE FINISHED FLOOR OR GROUND. (1008.1.9.2)
- THE FLOOR OR LANDING SHALL BE NOT MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY. (1008.1.5)
- MAXIMUM EFFORT TO OPERATE EXTERIOR AND INTERIOR DOORS SHALL NOT EXCEED 5 POUNDS. WITH SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MINIMUM ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 POUNDS.

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Commercial Modular
 By
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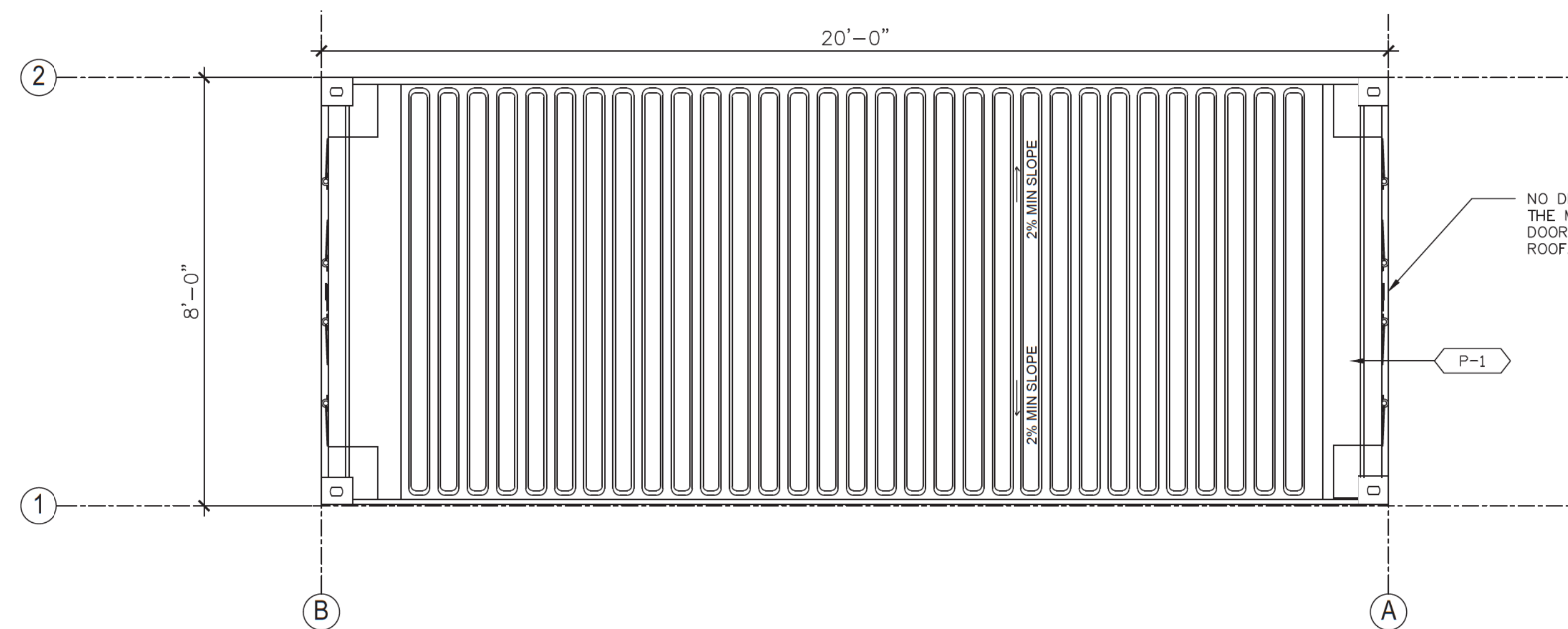
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5 DOOR SCHEDULE

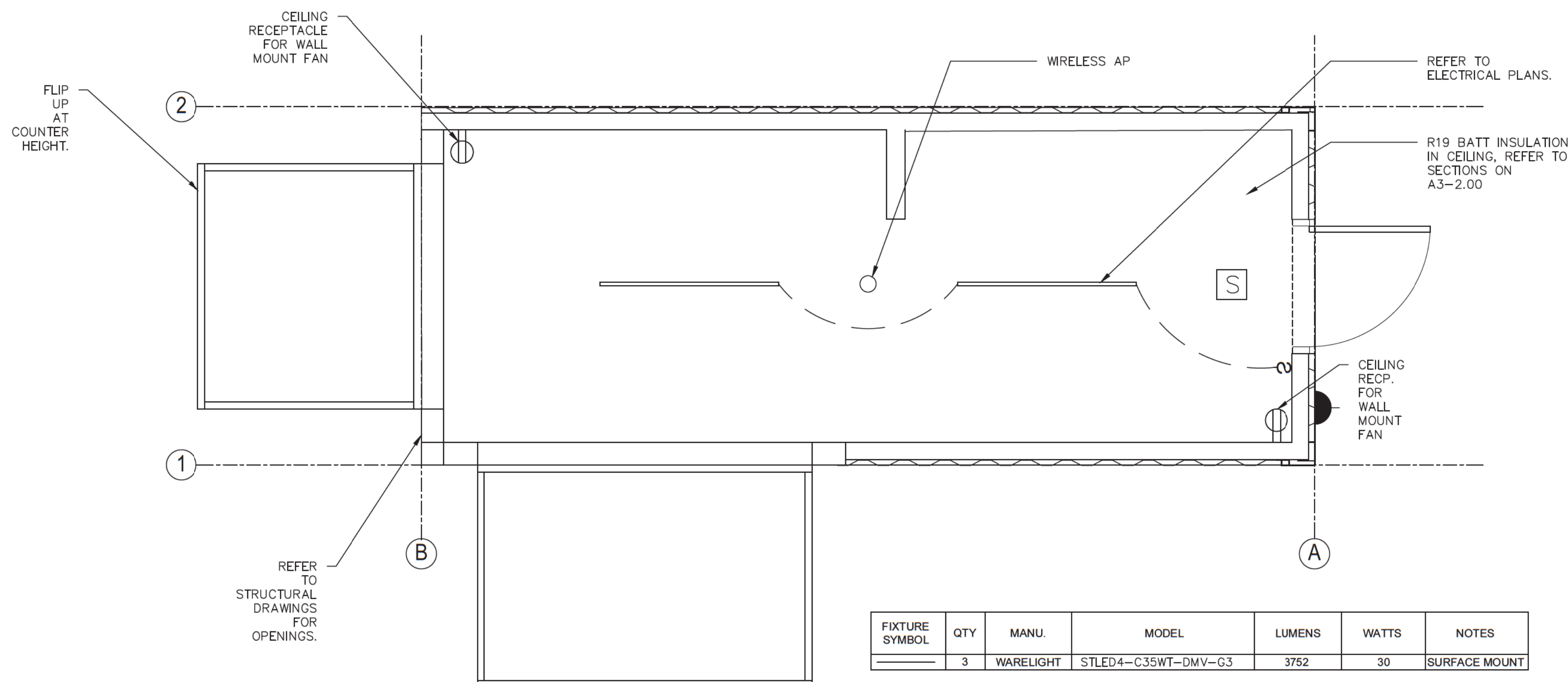


4 PARTITION TYPE

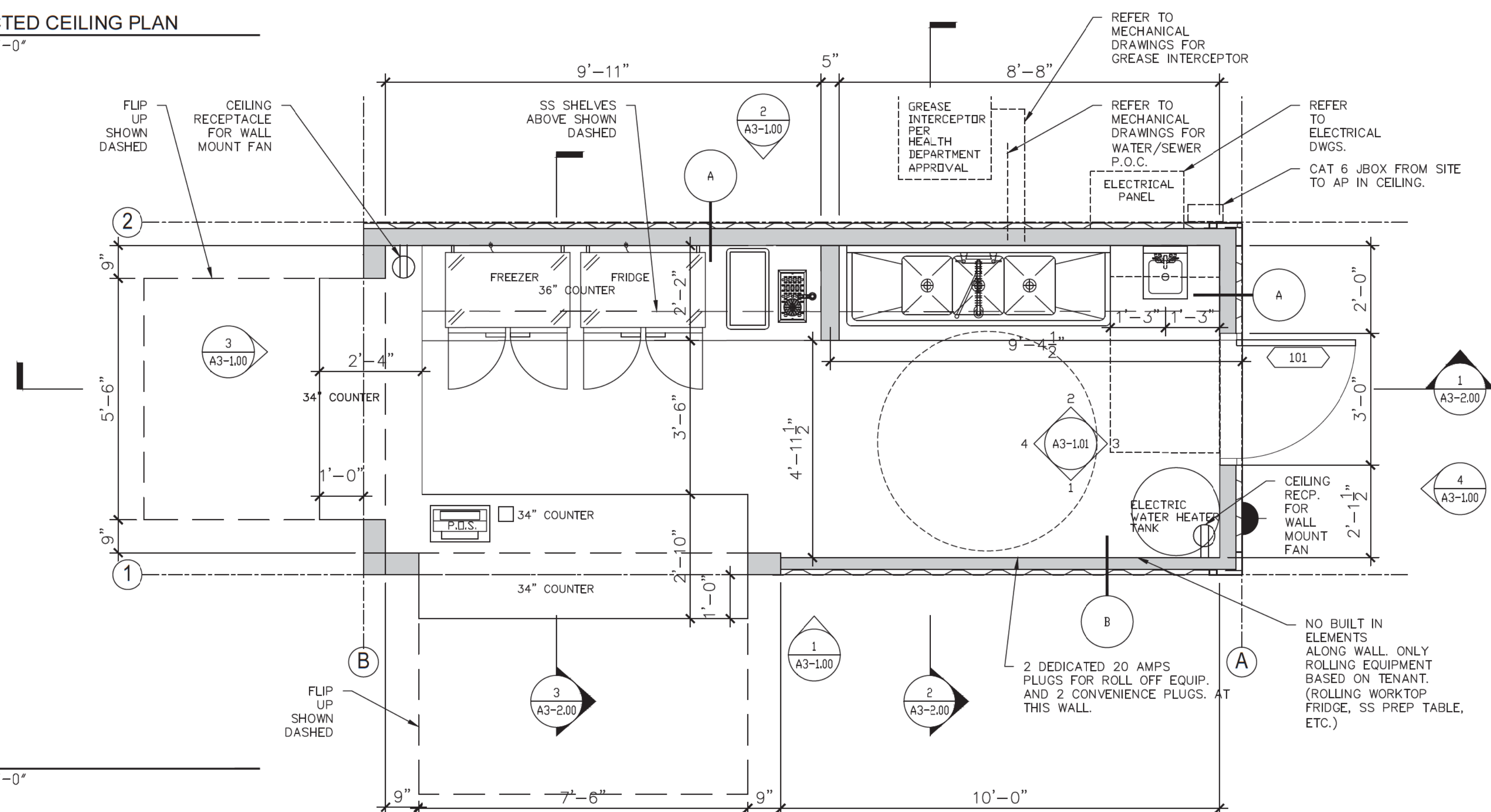
3 ROOF PLAN
 1/2" = 1'-0"



2 REFLECTED CEILING PLAN
 1/2" = 1'-0"



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



JUSTUS STUDIO, INC.

OWNER:

HOME FED
 1803 WRIGHT PL
 SUITE 200
 CARLSBAD, CA 92008

ARCHITECT:

JUSTUS STUDIO, INC.
 4271 KENYON AVENUE
 LOS ANGELES, CA 90066

CONTACT: JOSEPH JUSTUS
 E: JOSEPH@JUSTUS-STUDIO.COM
 P: 949-294-2045

STRUCTURAL:

ORION STRUCTURAL GROUP, INC.
 223 E. THOUSAND OAKS BLVD., #304
 THOUSAND OAKS, CA 91380

ELECTRICAL:

ARB ELECTRIC, INC.
 1401 N. EL CAMINO REAL #201
 SAN CLEMENTE, CA 92672

MECHANICAL:

VANDERVEEN ENGINEERING CONSULTANTS
 42098 DELMONTE ST
 TEMECULA, CA 92591

COMMERCIAL MODULAR MANUFACTURER:

FREE FORM DEVELOPMENT, INC.
 1148 INDUSTRIAL AVE.
 ESCONDIDO, CA 92029

CONTACT: ADAM JUBELA
 E: ADAM@FREEFORMDC.COM
 P: 760-901-2384

1960 LA MEDIA PARKWAY NORTH
 CHULA VISTA, CA 91913



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20 FOOT CATERING CONTAINER

MODEL: HFCS20-2023CATER
 S/N: HFCS-20-2023

TITLE

PLANS, WALL TYPE & SCHEDULES

PROJECT

2023-003-00

SCALE

1/2" = 1'-0"

DRAWN BY

DATE

07-13-2023

SIZE: 36"x24"

SHEET NUMBER

A2-1.00

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OWNER:

HOME FED
1803 WRIGHT PL
SUITE 200
CARLSBAD, CA 92008

ARCHITECT:

JUSTUS STUDIO, INC.
4271 KENYON AVENUE
LOS ANGELES, CA 90006

CONTACT: JOSEPH JUSTUS
E: JOSEPH@JUSTUS-STUDIO.COM
P: 949-294-2045

STRUCTURAL:

ORION STRUCTURAL GROUP, INC.
223 E. THOUSAND OAKS BLVD., #304
THOUSAND OAKS, CA 91360

ELECTRICAL:

ARB ELECTRIC, INC.
1401 N EL CAMINO REAL #201
SAN CLEMENTE, CA 92672

MECHANICAL:

VANDERVEEN ENGINEERING CONSULTANTS
42066 DELMONTE ST
TEMECULA, CA 92591

COMMERCIAL MODULAR MANUFACTURER:

FREE FORM DEVELOPMENT, INC.
1148 INDUSTRIAL AVE.
ESCONDIDO, CA 92029

CONTACT: ADAM JUBELA
E: ADAM@FREEFORMDC.COM
P: 760-901-2384

1960 LA MEDIA
PARKWAY NORTH
CHULA VISTA, CA 91913



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20 FOOT CATERING CONTAINER

MODEL: HFCS20-2023CATER
S/N: HFCS-20-2023

TITLE

EXTERIOR ELEVATIONS

Approved For State of California Commercial Modular

By
MA Consulting & Engineering MACE, LLC.
Third Party Design Approval Agency (DAA)
Certificate Number: DM1570821

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Plan Approval No. **MAC-CM 10045**

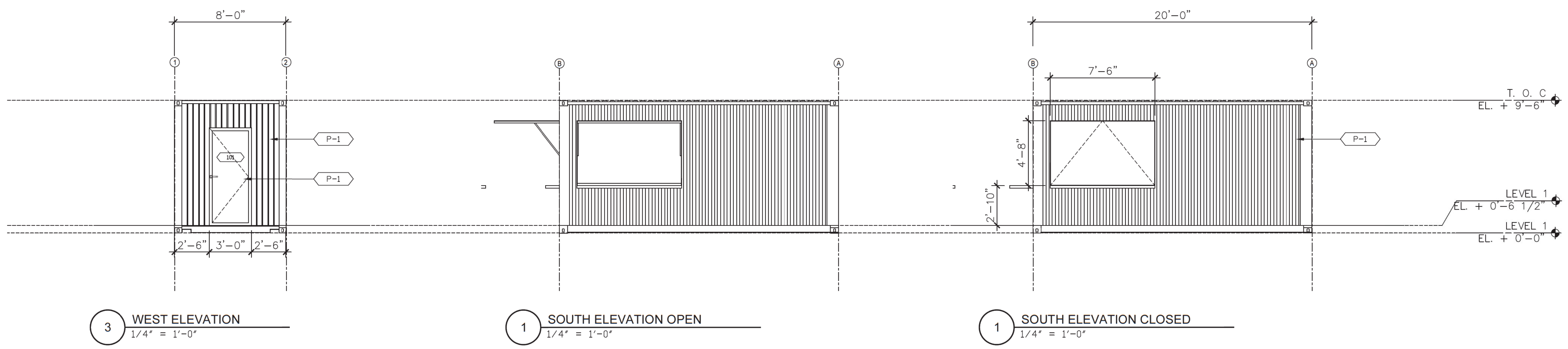
Approval Date: **9/3/2023**
Expiration Date: **11/30/2024**

PROJECT
2023-003-00
SCALE
1/4" = 1'-0"
DRAWN BY

SHEET NUMBER
A3-1.00

DATE
07-13-2023
SIZE: 36"x24"

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OWNER:

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1803 WRIGHT PL
SUITE 200
CARLSBAD, CA 92008

ARCHITECT:

JUSTUS STUDIO, INC.
4271 KENYON AVENUE
LOS ANGELES, CA 90006

CONTACT: JOSEPH JUSTUS
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THOUSAND OAKS, CA 91360

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MECHANICAL:

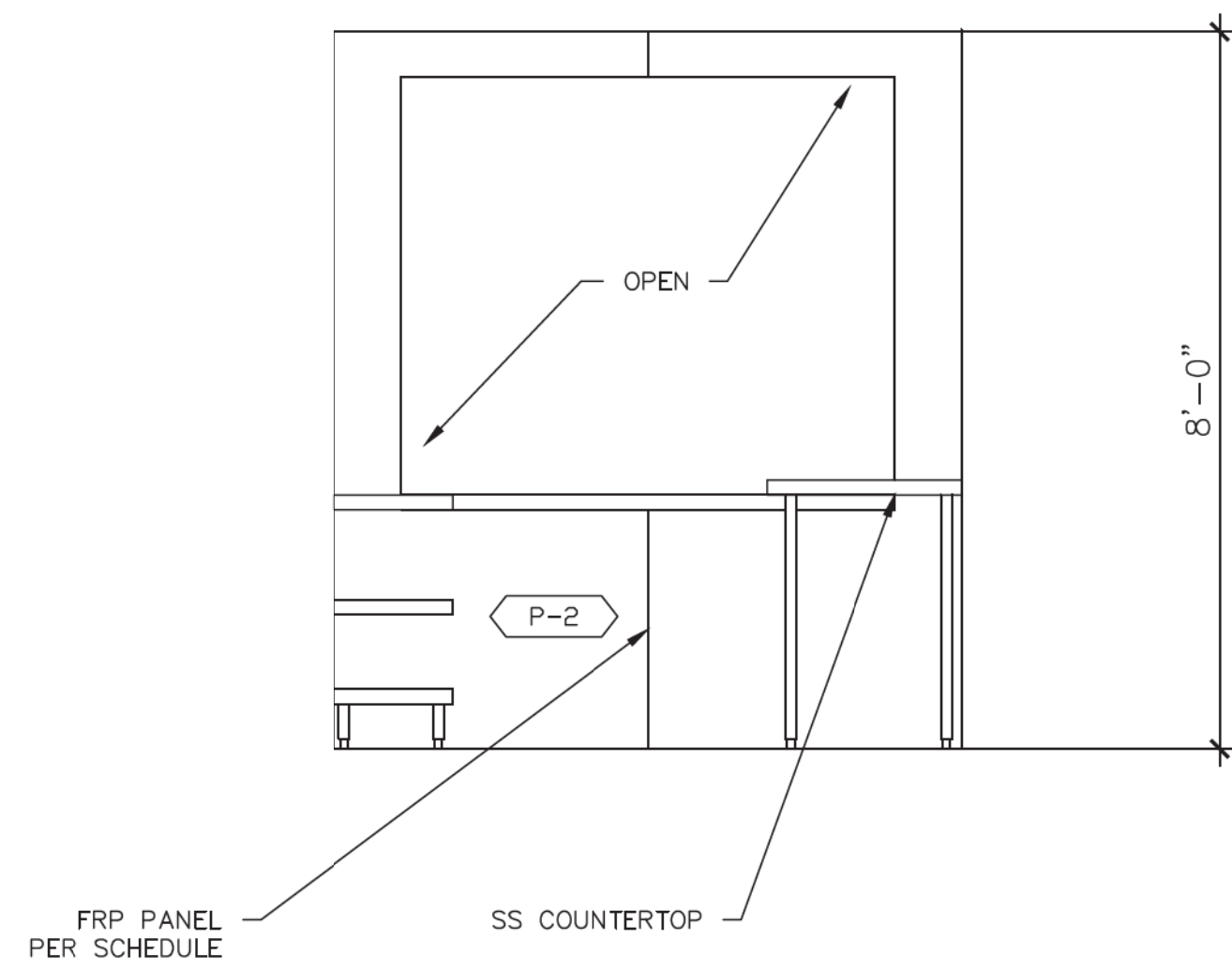
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COMMERCIAL MODULAR MANUFACTURER:

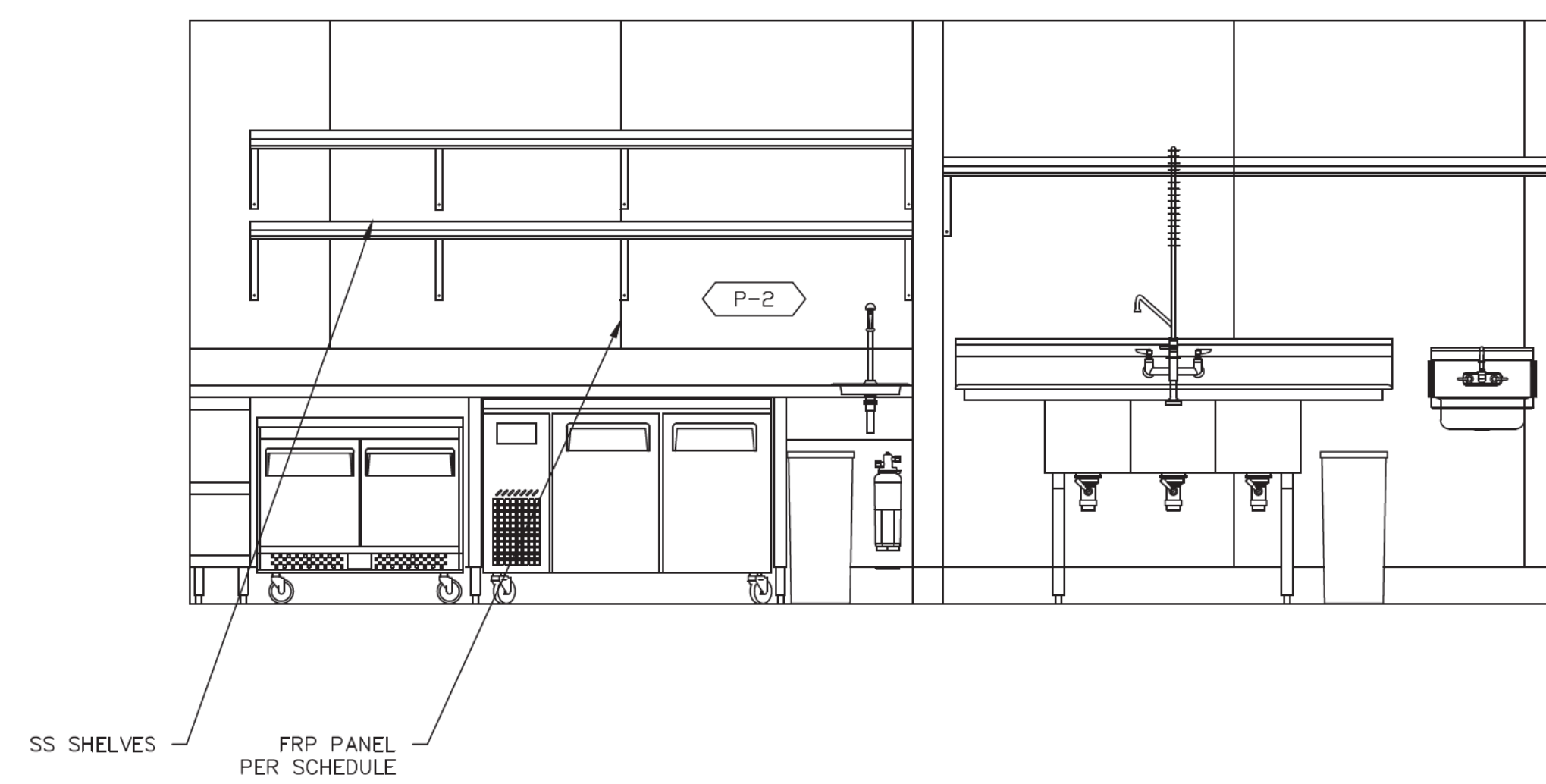
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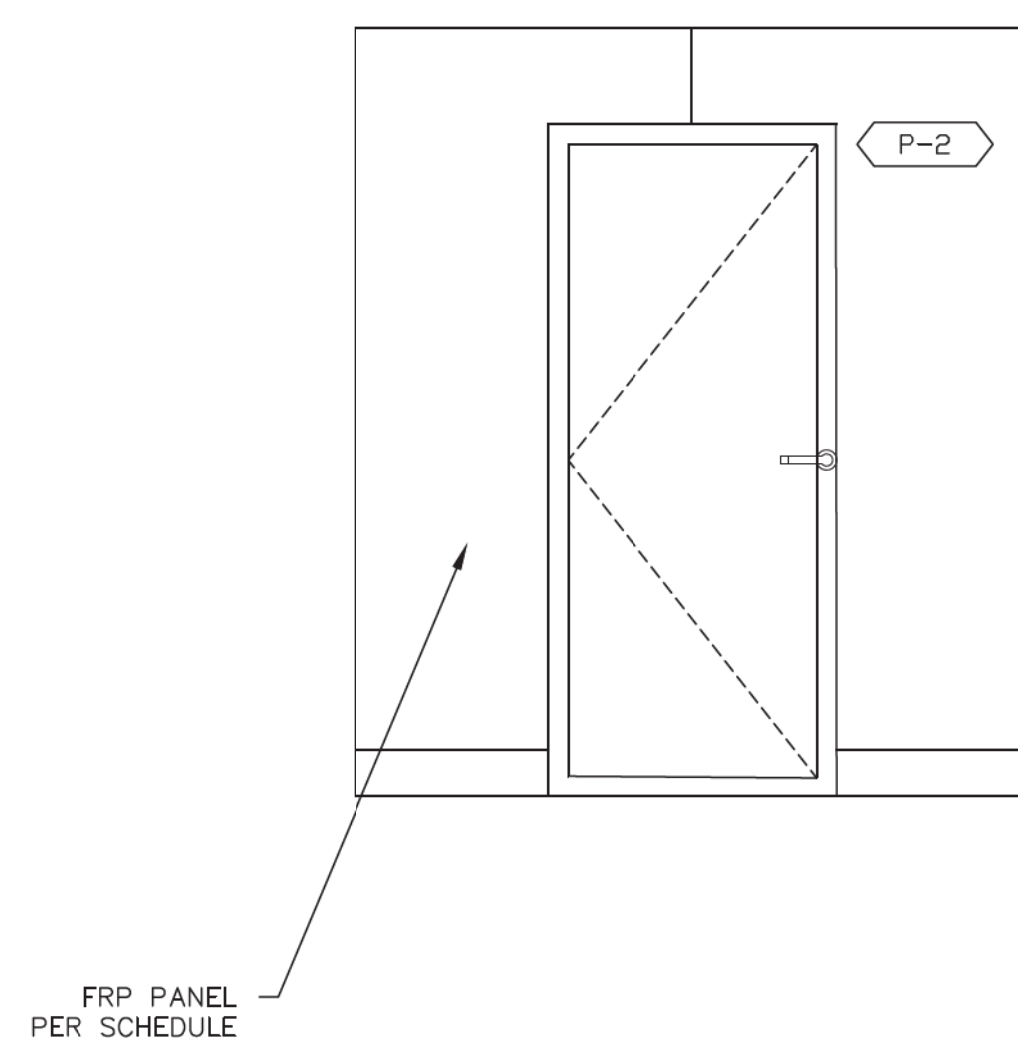
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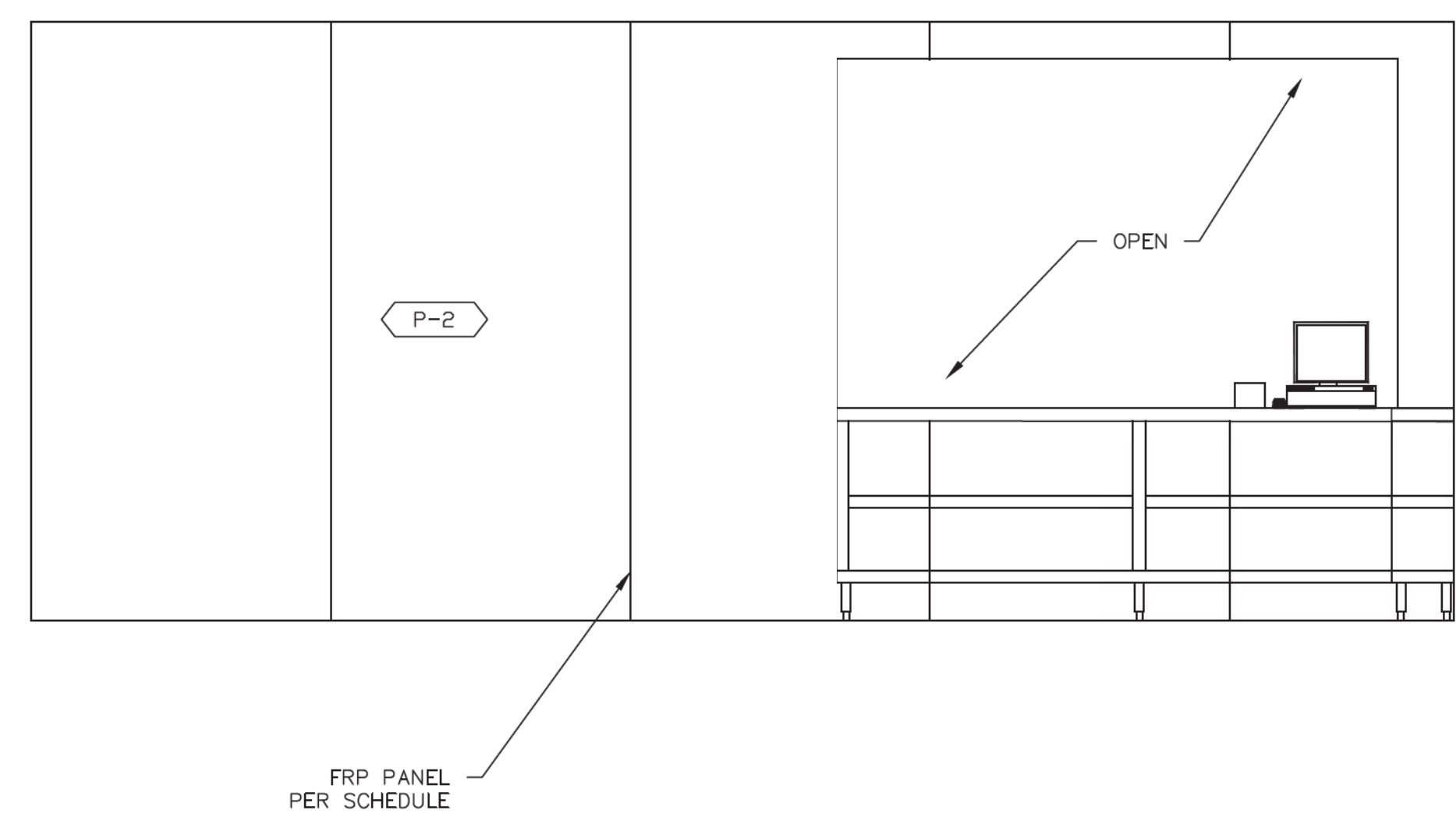
4 ELEVATION



2 ELEVATION



3 ELEVATION



1 ELEVATION

| NO. | ISSUE | DATE |
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| 1 | 1ST SUBMITTAL | |
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20 FOOT
CATERING
CONTAINER

MODEL: HFCS20-2023CATER
S/N: HFCS-20-2023

TITLE
**INTERIOR
ELEVATIONS**

**Approved For State of California
Commercial Modular**
By
MA Consulting & Engineering MACE, LLC.
Third Party Design Approval Agency (DAA)
Certificate Number: DM1570821

These plans have been approved pursuant to the
provisions of The State of California Health and Safety
Code, Division 13, Part 2 and California Code of
Regulations, Title 25, Chapter 3, Subchapter 2
Plan Approval No. **MAC-CM 10045**
Approval Date: **9/3/2023**
Expiration Date: **11/30/2024**

PROJECT
2023-003-00
SCALE
1/2" = 1'-0"
DRAWN BY
A3-1.01
DATE
07-13-2023
SIZE: 36"x24"
SHEET NUMBER
©JUSTUS STUDIO INC.

OWNER:

HOME FED
1803 WRIGHT PL
SUITE 200
CARLSBAD, CA 92008

ARCHITECT:

JUSTUS STUDIO, INC.
4271 KENYON AVENUE
LOS ANGELES, CA 90006

CONTACT: JOSEPH JUSTUS
E: JOSEPH@JUSTUS-STUDIO.COM
P: 949-294-2045

STRUCTURAL:

ORION STRUCTURAL GROUP, INC.
223 E. THOUSAND OAKS BLVD., #304
THOUSAND OAKS, CA 91360

ELECTRICAL:

ARB ELECTRIC, INC.
1401 N EL CAMINO REAL #201
SAN CLEMENTE, CA 92672

MECHANICAL:

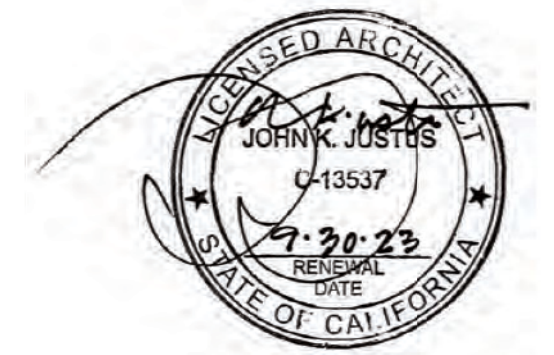
VANDERVEEN ENGINEERING CONSULTANTS
42098 DELMONTE ST
TEMECULA, CA 92591

COMMERCIAL MODULAR MANUFACTURER:

FREE FORM DEVELOPMENT, INC.
1148 INDUSTRIAL AVE.
ESCONDIDO, CA 92029

CONTACT: ADAM JUBELA
E: ADAM@FREEFORMDC.COM
P: 760-901-2384

1960 LA MEDIA
PARKWAY NORTH
CHULA VISTA, CA 91913



| NO. | ISSUE | DATE |
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| 1 | 1ST SUBMITTAL | |
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20 FOOT
CATERING
CONTAINER

MODEL: K2G-20 STORAGE
S/N: K2G-20-2023-001

TITLE
SECTIONS

**Approved For State of California
Commercial Modular**

By
MA Consulting & Engineering MACE, LLC.
Third Party Design Approval Agency (DAA)
Certificate Number: DM1570821

These plans have been approved pursuant to the provisions of The State of California Health and Safety Code, Division 13, Part 2 and California Code of Regulations, Title 25, Chapter 3, Subchapter 2

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PROJECT

2023-003-00

SCALE

1/2" = 1'-0"

DRAWN BY

SHEET NUMBER

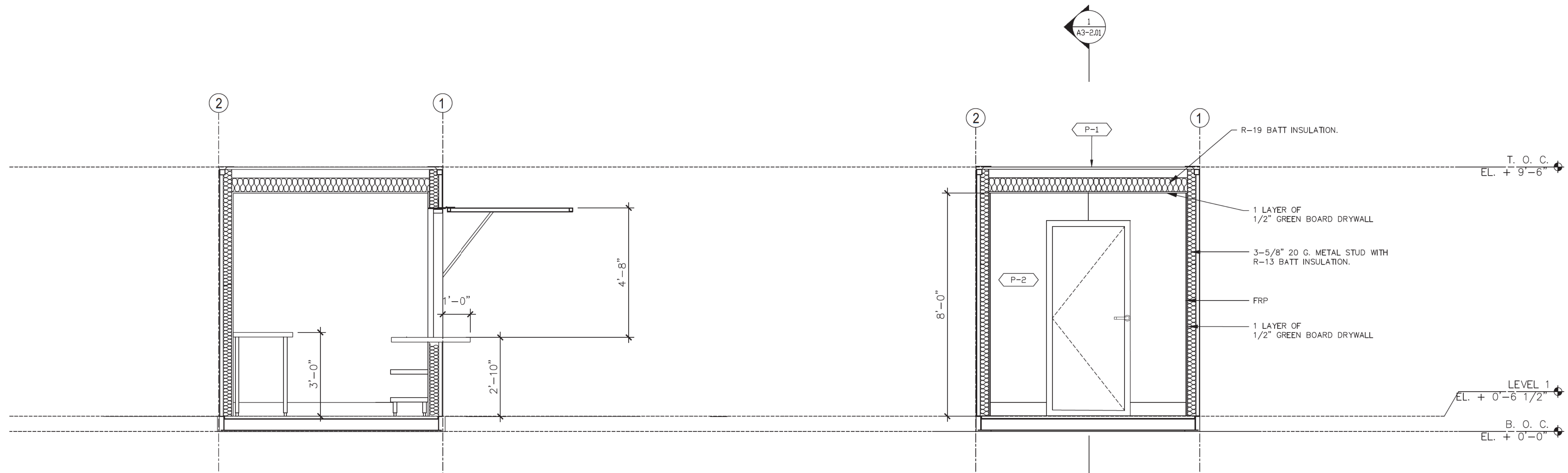
A3-2.00

DATE

07-13-2023

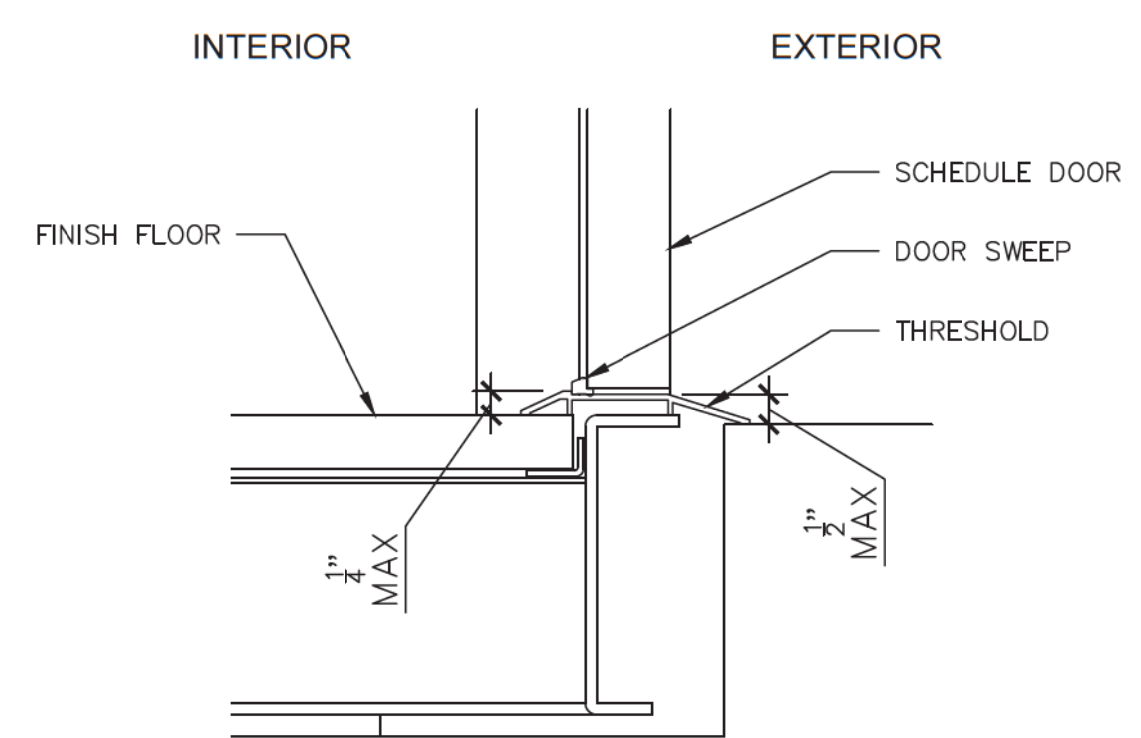
SIZE: 36"x24"

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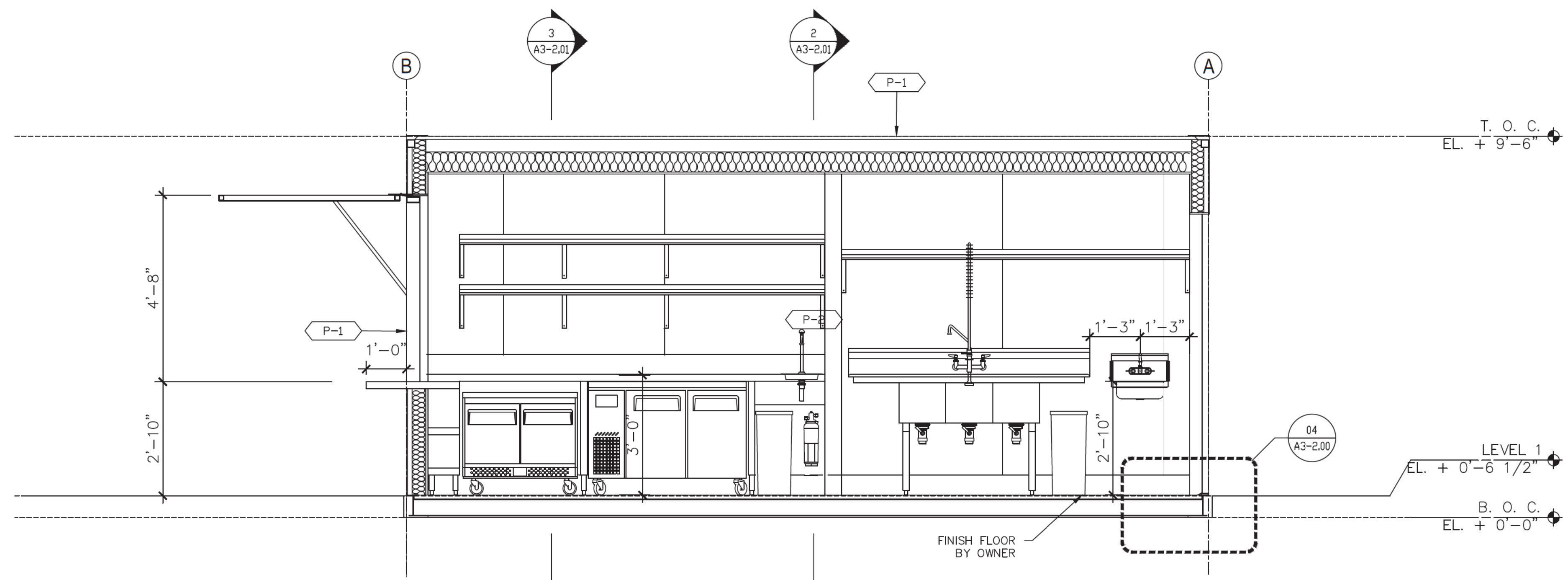


3 TRANSVERSE SECTION

2 TRANSVERSE SECTION



4 DOOR THRESHOLD DETAIL



1 LONGITUDINAL SECTION

LEVEL 1
EL. + 0'-6 1/2"
B. O. C.
EL. + 0'-0"

LIGHT GAUGE METAL

- FOR NON-LOAD BEARING METAL STUDS AND CEILINGS SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. FOLLOWING NOTES APPLY TO METAL STUDS INDICATED ON STRUCTURAL DRAWINGS.
- ALL LIGHT GAUGE METAL FRAMING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AISI "SPECIFICATIONS FOR DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS" 2007 EDITION.
- ALL LIGHT GAUGE METAL FRAMING SHALL BE AS NOTED BELOW. INTERIOR AND EXTERIOR STUDS: GALVANIZED CONFORMING TO ASTM A123 COATING CLASS 650.
- ALL LIGHT GAUGE METAL FRAMING SHALL CONFORM WITH THE FOLLOWING:

- GALVANIZED STUDS, JOISTS, TRACKS, END CLOSURES, BRIDGING, ACCESSORIES AN STRAPS (12 (#7), 14 (#8) AND 16 (#4) GAUGE): ASTM A653 GRADE 50, (F_y min = 50,000 psi, F_u min =65,000 psi)

- GALVANIZED STUDS, JOISTS, TRACKS, END CLOSURES, BRIDGING, ACCESSORIES AND STRAPS (18 (#43) AND 20 (#33) GAUGE): ASTM A653, GRADE 33, (F_y min = 33,000 psi, F_u min =45,000 psi)

- GALVANIZED BACKING PLATES: ASTM A653, GRADE 50, (F_y min = 50,000 psi, F_u min =65,000 psi)

- DOUBLE VERTICAL STUDS SHALL BE STITCH WELDED TOGETHER ON BOTH FLANGES WITH 1/16" GROOVE WELDS X 1" LONG AT 12" ON CENTER, UNO ON DRAWINGS.
- TOP AND BOTTOM STUD TRACKS FOR INTERIOR PARTITIONS SHALL BE 16 GA. MATERIAL WITH 1.5" FLANGES, UNO ON DRAWINGS.
- TOP STUDS TRACKS FOR EXTERIOR WALLS SHALL BE 16 GA MATERIAL WITH 1.5" FLANGES; BOTTOM STUD TRACKS FOR EXTERIOR WALLS SHALL BE 16 GA MATERIAL WITH 1.5" FLANGES, UNO ON DRAWINGS.
- DEEP LEG TRACK FOR EXTERIOR WALLS SHALL BE 16GA MATERIAL WITH 2" FLANGES, UNO ON DRAWINGS.
- DOUBLE JOIST ARE BACK TO BACK U.O.
- ALL LIGHT GAUGE FRAMING MEMBERS SHALL BE CLARK DIETRICH PER LA CITY RR 25889.
- SUBMIT SHOP DRAWINGS FOR REVIEW.
- ALL METAL STUDS AND JOISTS SHALL HAVE STIFFENED FLANGES. SEE DRAWINGS FOR DETAILS ON CONNECTIONS, BRACING, BRIDGING, ETC.
- CUT FRAMING COMPONENTS, SUCH AS BRACING, SQUARELY OR AT AN ANGLE TO FIT TIGHT AGAINST ABUTTING MEMBERS. HOLD MEMBERS FIRMLY IN POSITION UNTIL PROPERLY FASTENED.
- ALL BEARING STUDS MUST BE FULLY ATTACHED TO THE WALL LEDGER. ALL STUDS SHALL BE SPACED AT SAME SPACING AS JOIST (ON LINE FRAMING). ALL BEARING STUDS, COLUMNS AND BUILT UP STUDS SHALL HAVE CONTINUOUS BEARING DOWN TO FOUNDATION U.O. SOLID BLOCKING AT FLOORS SHALL BE PROVIDED.
- CUTTING FLANGES AND STIFFENER LIPS OF LOAD BEARING STUDS IS PROHIBITED, NO STUD NOTCHING IS PERMITTED IN BEARING WALLS U.O.
- OPENING IN STUDIO/ST WEBB OTHER THAN THE STANDARD PUNCHOUTS BY MANUFACTURER ARE PROHIBITED UNLESS SPECIFICALLY DESIGNED AND DETAILED BY ENGINEER. NO PUNCHOUT SHALL BE ALLOWED WITHIN 24" OF THE SUPPORT OR POINT LOAD.
- BRIDGING SHALL BE PROVIDED FOR ALL JOISTS @ 8'-0" O.C MAX.
- ATTACH STUDS USING PLUG, BUTT OR SEAM WELDS, UNLESS NOTED OTHERWISE. WHERE STUDS ARE BURNED THROUGH BY WELDING, PROVIDE SUITABLE STITCH PLATE OF SAME GAUGE. SPLICES IN AXIAL LOADED STUDS OR BRACES ARE NOT PERMITTED. PROVIDE BUTT WELDS OR SPLICES AT JOINTS IN TRACK. WIRE TYING OF FRAMING COMPONENTS IS NOT PERMITTED. PREFABRICATED PANELS SHALL BE SQUARED AND BRACED TO AVOID RACKING. LIFT PREFABRICATED PANELS IN A MANNER SO AS NOT TO CAUSE LOCAL DISTORTION OF ANY MEMBER.
- ALL SHEET METAL SCREWS SHALL EXTEND THROUGH METAL FRAMING AND STRUCTURAL STEEL A MINIMUM OF 1/2" OR 3 EXPOSD THREADS WHICHEVER IS GREATER.
- ALL LIGHT METAL GAUGE TO METAL FASTENERS INDICATED ON THESE DRAWINGS ARE QUICK DRIVE COLD FORMED SELF-DRILLING/SELF-TAPPING STEEL SCREWS AS MANUFACTURED BY SIMPSON STRONG-TIE (LARR 25670). SCREWS SHALL HAVE A MINIMUM EDGE DISTANCE OF 1/2" FASTENERS SHALL BE AS FOLLOWS:

| APPLICATION | FASTENER |
|------------------------------|---|
| LIGHT GAUGE: | 18 GA. OR 20 GA.-#8 MODIFIED TRUSS HEAD |
| TRACK TO STUD: | 16 GA-#10 PANCAKE HEAD |
| ALL OTHER LIGHT GAUGE METAL: | 18 GA. OR 20 GA.-#8 WASHER HEAD |
| TO LIGHT GAUGE METAL: | 16 GA.-#10 HEX WASHER HEAD CONNECTION |

- ALL LIGHT GAUGE METAL TO STRUCTURAL STEEL FASTENERS SHALL BE HILTI X-AL-H POWER DRIVEN FASTENER (LARR 25646, ICC ESR-1663):

| APPLICATION | FASTENER SHANK DIA |
|--|--------------------|
| STRUCTURAL STEEL THICKNESS ≤ 1/2" | 0.145" |
| 1/2" < STRUCTURAL STEEL THICKNESS ≤ 3/4" | 0.158" |
| 3/4" < STRUCTURAL STEEL THICKNESS | 0.177" |

- THE CONTRACTOR IS PROHIBITED FROM USING TORCHES TO BURN HOLES IN TRACKS OR STUDS

STRUCTURAL STEEL WELDING

- ALL WELDING SHALL BE IN STRICT CONFORMANCE WITH THE LATEST EDITION OF AWS D1.1 AND THE 2022 CALIFORNIA BUILDING CODE.
- ALL WELDING ELECTRODES (FILLER METAL) SHALL BE E70XXX (70 KSI), U. N.O., AND SHALL BE LOW HYDROGEN TYPES. FIELD WELDING OF FULL AND PARTIAL PENETRATION WELDS OF THE STEEL MOMENT FRAME CONNECTIONS BETWEEN MOMENT FRAME BEAMS AND MOMENT FRAME COLUMNS SHALL BE BY SHIELDED METAL ARC PROCESS USING LOW HYDROGEN ELECTRODES
- ALL WELDS SHALL HAVE A FILLER METAL WITH CHARPPY V-NOTCH TOUGHNESS OF 20 FT/LBS AVERAGE AT -20 DEGREES FAHRENHEIT AND 40 FT/LBS @ 70 DEGREES FAHRENHEIT. CERTIFY CONFORMANCE TO CHARPPY V-NOTCH TOUGHNESS REQUIREMENTS WITH TESTS BY AN INDEPENDENT TESTING LABORATORY.
- LENGTHS OF WELDS ARE EFFECTIVE LENGTHS AS SPECIFIED IN THE APPLICABLE CODE. WHERE LENGTH OF WELD IS NOT SHOWN IT SHALL BE FULL LENGTH OF JOINT. ALL BUTT WELDS SHALL BE FULL PENETRATION UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL PROVIDE FIELD WELDING AS REQUIRED FOR CONSTRUCTION. WHERE FIELD WELDING IS NOTED, THE DESIGNATION IS GIVEN AS A SUGGESTED CONSTRUCTION PROCEDURE ONLY.
- ALL SHOP WELDS SHALL BE PERFORMED BY A LICENSED FABRICATOR.
- ALL WELDERS SHALL BE QUALIFIED FOR THE WORK THEY WILL BE DOING & SHALL HAVE CURRENT CERTIFICATIONS BY AWS & THE CITY OF LOS ANGELES.
- FACES OF FILLET WELDS EXPOSED TO VIEW SHALL HAVE AS-WELDED SURFACES THAT ARE REASONABLY SMOOTH AND UNIFORM. NO FINISHING OR GRINDING SHALL BE REQUIRED, EXCEPT WHERE CLEARANCES OR FIT OF OTHER ITEMS MAY SO NECESSITATE.
- ALL PARTIAL AND FULL PENETRATION WELDS WHICH ARE EXPOSED TO VIEW SHALL BE GROUND SMOOTH AND FLUSH WITH FINISH SURFACE OF STEEL. HOLES SHALL BE FILLED WITH WELD METAL OR BODY SOLDER AND SMOOTHED BY GRINDING OR FLING.
- CLEAN GROOVE PREPARATION THERMAL CUTS BY GRINDING.
- WELDS SHALL BE TERMINATED AT THE END OF A JOINT IN A MANNER THAT WILL ENSURE SOUND WELDS. WHENEVER NECESSARY THIS SHALL BE DONE BY USE OF EXTENSION BARS AND RUN OFF TABS.
- ALL WELDED JOINTS SHALL BE PRE-QUALIFIED PER THE LATEST EDITION OF AWS D1.1. NON PRE- QUALIFIED WELDED JOINTS SHALL BE QUALIFIED BY TEST & PROCEDURE QUALIFICATION TEST RECORD INCLUDED PER THE LATEST EDITION OF AWS D1.1.
- THE CONTRACTOR SHALL SUBMIT ALL WELDING PROCEDURE SPECIFICATIONS (WPS) TO BE USED ON THE PROJECT PER THE LATEST EDITION OF AWS D1.1. THE WPS SHALL INCLUDE ALL MANUFACTURERS DATA SHEETS FOR ALL WELDING MATERIALS TO BE USED. THE DATA SHEETS SHALL DESCRIBE THE PRODUCTS, LIMITATIONS OF USE, RECOMMENDED WELDING PARAMETERS, AND STORAGE AND EXPOSURE REQUIREMENTS.
- ELECTRODES SHALL BE RECEIVED AND STORED IN THE ORIGINAL UNDAMAGED MANUFACTURER PACKAGING, UNTIL READY FOR USE. WHEN WELDING IS TO BE SUSPENDED FOR MORE THAN 8 HOURS, ELECTRODES SHALL BE REMOVED FROM THE MACHINES AND STORED IN AN ELECTRODE WIRE OVEN MAINTAINED AT A TEMPERATURE BETWEEN 250 DEGREES AND 550 DEGREES OR AS RECOMMENDED BY THE MANUFACTURER. ELECTRODES NOT CONSUMED WITHIN 24 HOURS OF ACCUMULATED EXPOSURE OUTSIDE CLOSED OR HEATED STORAGE SHALL NOT BE USED.
- ALL BOTTOM FLANGE BACKING BARS SHALL BE REMOVED. FOLLOWING REMOVAL OF BACKING, THE ROOT PASS SHALL BE BACKGROUDED TO SOUND WELD METAL AND BACKWELDED UNTIL FLUSH OR WITH SLIGHT REINFORCEMENT. THE SURFACE SHALL BE GROUND SMOOTH TO A SURFACE ROUGHNESS NOT TO EXCEED 500 MICRONCHES.

REINFORCEMENT

- ALL TYPICAL REINFORCING BARS SHALL CONFORM TO ASTM A-615, GRADE 60, UNLESS NOTED OTHERWISE ON THE DRAWINGS (#3 BARS MAY BE GRADE 4) FOR AVAILABILITY)
 - SPIRALS SHALL BE COLD DRAWN BARS CONFORMING TO ASTM A-82. REINFORCING FOR DIAPHRAGMS AND FOUNDATIONS MAY BE GRADE 75 IN LIEU OF GRADE 60, AT THE CONTRACTORS OPTION. MAINTAIN OVERALL CAPACITY OF ELEMENTS WHERE GRADE 75 REINFORCING IS PROPOSED FOR USE. IN GENERAL, REDUCE REQUIRED STEEL AREA IN PROPORTION TO RATIO OF YIELD STRENGTH. MAINTAIN BAR SPACING SHOWN ON PLANS, DETAILS, AND SCHEDULES.
 - MOMENT FRAME LONGITUDINAL REBAR, SHEAR WALL VERTICAL REBAR, AND COUPLING BEAM LONGITUDINAL REBAR SHALL BE ASTM A-706 (F_y=80 KSI)
 - SMOOTH DOWELS IN SLAB ON GRADE: ASTM A36, 36 KSI
- WELDING OF REINFORCEMENT (INCLUDING TACK WELDING) SHALL BE NOT BE DONE UNLESS SPECIFICALLY SHOWN ON THE DRAWINGS. WHERE SHOWN ON THE DRAWINGS, THE FOLLOWING SHALL APPLY:
 - WELDED REBAR SHALL COMPLY WITH ASTM A-706 (F_y=80 KSI)
 - WELDING SHALL CONFORM TO AWS D1.4
 - WELDING OF REINFORCING STEEL SHALL BE PERFORMED BY WELDERS CERTIFIED BY THE CITY OF LA. D. USE E90XX ELECTRODES
- WELDED WIRE FABRIC SHALL BE MADE OF COLD DRAWN WIRE AND SHALL CONFORM TO ASTM A-185 (F_y=65 KSI). MINIMUM LAP AT SPLICES OF 12 INCHES PROVIDE MESH IN FLAT SHEETS ONLY. ROLLED MESH IS NOT ACCEPTABLE. OFFSET END-LAPS IN ADJACENT SHEETS TO PREVENT CONTINUOUS LAPS.
- REINFORCING STEEL SHALL HAVE THE FOLLOWING CONCRETE COVER. SEE ACI FOR TOLERANCES:
 - CONCRETE POURED AGAINST EARTH: 3"
 - FORMED CONCRETE IN CONTACT WITH EARTH: 2"
 - CONCRETE EXPOSED TO WEATHER (#8 AND LARGER): 2"
 - CONCRETE EXPOSED TO WEATHER (#6 AND SMALLER): 1 1/2"
 - SLABS (INCLUDING SLAB SUPPORTING EARTH), WALLS AND JOISTS NOT EXPOSED TO WEATHER (#11 AND SMALLER): 1"
 - OTHER CONCRETE NOT EXPOSED TO WEATHER: 1 1/2"

- #5 AND LARGER REINFORCING BARS SHALL NOT BE SPLICED EXCEPT AS LOCATED AND DETAILED ON THE DRAWINGS. #4 AND SMALLER BARS WITH LENGTHS NOT SHOWN SHALL BE CONTINUOUS. PROVIDE CLASS 'B' SPLICE UNLESS NOTED OTHERWISE. ALL BARS IN MASONRY SHALL BE CONTINUOUS, LAPPING 48 BAR DIAMETERS, 2'-0" MINIMUM. HORIZONTAL WALL SPLICES SHALL BE STAGGERED. VERTICAL BARS SHALL NOT BE SPLICED EXCEPT AT HORIZONTAL SUPPORTS, SUCH AS FLOOR OR ROOF. UNLESS DETAILED OTHERWISE ALL BARS ENDING AT THE FACE OF A WALL, COLUMN, OR BEAM SHALL EXTEND TO WITHIN 2" OF THE FAR FACE AND HAVE A 90 DEGREE HOOK, UNLESS OTHERWISE SHOWN.

- BARs SHALL BE FIRMLY SUPPORTED AND ACCURATELY PLACED AS REQUIRED BY THE ACI STANDARDS. USING TIE AND SUPPORT BARS IN ADDITION TO REINFORCEMENT SHOWN WHERE NECESSARY FOR FIRM AND ACCURATE PLACING. PROVIDE DOWELS TO MATCH ALL REINFORCEMENT AT POUR JOINTS, UNLESS SHOWN OR NOTED OTHERWISE. ALL DOWELS AND BOLTS SHALL BE ACCURATELY SET IN PLACE BEFORE PLACING CONCRETE. NO WELDING OF REINFORCEMENT (INCLUDING TACK WELDING) SHALL BE DONE UNLESS SHOWN ON THE DRAWINGS OR APPROVED BY THE ENGINEER. ALL SLAB AND BEAM REINFORCEMENT SHALL BE CHAISED UP.

- IN WALL REINFORCING, CURTAINS CONTAINING VERTICAL AND HORIZONTAL BARS OF THE SAME SIZE, VERTICAL BARS SHALL BE PLACED CLOSEST TO THE WALL SURFACE. IN CURTAINS WHICH VERTICAL AND HORIZONTAL BARS ARE OF DIFFERENT SIZES OR SPACING, THE LAYER WITH THE MOST STEEL SHALL BE PLACED CLOSEST TO THE NEAR SURFACE.

- DRAWINGS SHOW TYPICAL REINFORCING CONDITIONS. CONTRACTOR SHALL PREPARE DETAILED PLACEMENT DRAWINGS OF ALL CONDITIONS SHOWING QUANTITY, SPACING, SIZES, CLEARANCES, LAPS, INTERSECTIONS, AND COVERAGE REQUIRED BY THE STRUCTURAL DETAILS, APPLICABLE CODE, AND TRADE STANDARDS. CONTRACTOR SHALL NOTIFY REINFORCING INSPECTOR OF ANY ADJUSTMENTS FROM TYPICAL CONDITIONS WHICH ARE PROPOSED IN PLACEMENT DRAWINGS TO FACILITATE FIELD PLACEMENT OF REINFORCING STEEL AND CONCRETE.

- ALL PRINCIPAL REBAR SHALL TERMINATE WITH A STANDARD HOOK MINIMUM UNLESS SPECIFICALLY DETAILED OTHERWISE. REBAR BENDS SHALL BE MADE COLD. REBAR SHALL NOT BE BENT AFTER ANY PORTION OF THE BAR IS ENCASED IN CONCRETE.

- ALL LAP SPLICES ARE CLASS 'B' LAP SPLICES UNLESS NOTED OTHERWISE.

- ALL WALL FOOTING REINFORCEMENT SHALL BEND AROUND ALL CORNERS AND EXTEND 36 BAR DIAMETERS OR 18 INCHES WHICHEVER IS LARGER. UNLESS NOTED OTHERWISE.

- ALL SLABS ON GRADE LESS THAN 6" IN THICKNESS SHALL BE REINFORCED WITH #4 REBARS AT 18 INCHES ON CENTERS EACH WAY, UNLESS NOTED OTHERWISE. PROVIDE ONE (1) LAYER OF 6X6W2.9XW2.9 WELDED WIRE FABRIC CONTINUOUS FOR EVERY 3' ARCHITECTURAL CONCRETE FILLS ABOVE THE STRUCTURAL SLAB.

- ALL MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT PADS LESS THAN 4" THICK SHALL BE REINFORCED WITH AT LEAST ONE (1) LAYER OF 6X6W2.9XW2.9 WELDED WIRE FABRIC AND HAVE HOOKED DOWELS (#3 AT 12" ON CENTERS) INTO THE STRUCTURAL SLAB. UNLESS NOTED OTHERWISE. FOR PADS GREATER THAN 4 INCHES THICK, USE REINFORCING AS SHOWN IN THE TYPICAL DETAILS.

- ADDITIONAL REINFORCEMENT SHALL BE PROVIDED AROUND ALL SLAB AND WALL OPENINGS INCLUDING DIAGONAL BARS WITHOUT EXCEPTION.

- ALL STRUCTURAL CONCRETE ELEMENTS REQUIRE REINFORCEMENT SINCE NO PLAIN CONCRETE ELEMENTS ARE USED. ALL CONCRETE SLABS SHALL HAVE A MINIMUM REINFORCEMENT PERCENTAGE OF 0.018 EACH WAY. CONTINUOUS.

CONCRETE NOTES

- CONCRETE MIXES SHALL BE DESIGNED BY A RECOGNIZED TESTING LABORATORY AND COPIES OF THE DESIGN SHALL BE SENT TO THE ARCHITECT AND THE ENGINEER. COMPRESSIVE STRENGTH TEST REPORTS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND THE ARCHITECT.
- PORTLAND CEMENT SHALL CONFORM TO ASTM C-150. TYPE II. AGGREGATE FOR STONE CONCRETE SHALL CONFORM TO ASTM C-33. WATER USED IN MIXING CONCRETE SHALL CONFORM TO ASTM C1602.
- ALL REINFORCING BARS, ANCHOR BOLTS, AND ALL OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- THE MAXIMUM SLUMP SHALL NOT EXCEED 4" +/- 1" FOR FOOTINGS, SLABS ON EARTH, AND MASS CONCRETE, AND 5" +/- 1" FOR OTHER CONCRETE.
- MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS: (MINIMUM 5 SACKS OF CEMENT PER CUBIC YARD) (MAXIMUM WATER/CEMENT RATIO TO BE 0.45).

| | |
|-------------------------------------|------------------------------|
| A. CONCRETE FOUNDATIONS..... | 2,500 P.S.I. (NORMAL WEIGHT) |
| B. CONCRETE FILL ON METAL DECK..... | 2,500 P.S.I. (NORMAL WEIGHT) |
- ALL STRUCTURAL CONCRETE IS TO BE REINFORCED.
- HIGH STRENGTH GROUT SHALL BE QUIKRETE NON-SHRINK PRECISION GROUT PER ASTM C109/C109M AND SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 14,000 PSI AT 28 DAYS (DEPUTY INSP. REQ'D).

FOUNDATIONS

- THE DESIGN OF THE FOUNDATION SYSTEM IS BASED UPON THE CRITERIA AND RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL INVESTIGATION REPORT COMPLETED BY ADVANCED GEOTECHNICAL SOLUTIONS, INC. ENTITLED "PRECISE GRADING PLAN REVIEW, CENTRAL SQUARE PARK, OTAY RANCH VILLAGE 8 WEST, CITY OF CHULA VISTA" DATED MAY 19, 2022, REPORT NO. 2205-03-B-2 AND "SUPPLEMENTAL RECOMMENDATIONS FOR THE MODULAR RESTROOM AND TRASH ENCLOSURE STRUCTURES, CENTRAL SQUARE PARK, OTAY RANCH VILLAGE 8 WEST, CITY OF CHULA VISTA, CA" DATED MARCH 27, 2023 REPORT NO 2205-03-B-4
- THE GEOTECHNICAL INVESTIGATION REPORT AND ITS RECOMMENDATIONS SHALL BE FOLLOWED AND SHALL BE CONSIDERED MINIMUM REQUIREMENTS UNLESS MORE STRINGENT REQUIREMENTS ARE PRESENTED IN THE SPECIFICATIONS OR ON THE DRAWINGS. PROVIDE OVER-EXCAVATION AND RE-COMPACTION PER THE GEOTECHNICAL REPORT.

PER GEOTECHNICAL INVESTIGATION REPORT. THE ALLOWABLE SOIL BEARING PRESSURES AND MIN. WIDTH OF FOOTINGS ARE AS FOLLOWS (6" MIN. EMBED.)

- FOOTINGS SHALL BE 15" MIN WIDE AND HAVE AN ALLOWABLE BEARING PRESSURE OF 1500 PSF

- REMOVE LOOSE SOIL AND STANDING WATER FROM FOUNDATION EXCAVATIONS PRIOR TO PLACING CONCRETE. THE GEOTECHNICAL ENGINEER SHALL INSPECT AND APPROVE ALL EXCAVATIONS, SOIL COMPACTION WORK PRIOR TO PLACEMENT OF ANY REBAR OR CONCRETE, SHORING INSTALLATIONS, BACKFILL MATERIALS AND BACK FILLING PROCEDURES.
- REMOVE ABANDONED FOOTINGS, UTILITIES, ETC. WHICH INTERFERE WITH NEW CONSTRUCTION, UNLESS OTHERWISE INDICATED.
- NOTIFY THE OWNER'S REPRESENTATIVE IF ANY BURIED STRUCTURES NOT INDICATED, SUCH AS SESSPOOLS, CISTERNS, FOUNDATIONS, ETC. ARE FOUND.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING, UNDERPINNING AND PROTECTION OF EXISTING CONSTRUCTION.
- PLACE BACKFILL BEHIND RETAINING WALLS AFTER CONCRETE OR MASONRY HAS ATTAINED FULL DESIGN STRENGTH. BRACE BUILDING AND PIT WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHED FLOORS AND SLABS ON GRADE ARE COMPLETE AND HAVE ATTAINED FULL DESIGN STRENGTH.

STRUCTURAL STEEL

- FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF AISC SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, AND THE LATEST EDITION OF AISC SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS. WHERE THE STRUCTURAL STEEL IS EXPOSED, FABRICATION AND ERECTION SHALL ALSO BE IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE FOR ARCHITECTURALLY EXPOSED STRUCTURAL STEEL.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM DESIGNATION AS INDICATED BELOW (U. N.O.):

| | |
|---|-------------------------------------|
| A. ALL WIDE FLANGE SHAPES | A992, GRADE 50 |
| B. STEEL ANGLES | A36 |
| C. ALL PLATES | A36 |
| D. HSS (RECTANGULAR AND SQUARE) | A500, GRADE B OR C |
| E. HSS (ROUND) | A500, GRADE B OR C |
| F. PIPE COLUMNS | A53, GRADE B |
| G. CHANNELS (C AND MC SECTIONS) | A36 |
| H. ALL OTHER STRUCTURAL SECTIONS | A572, GRADE 50 |
| I. STEEL TO STEEL CONNECTION BOLTS | A325X |
| J. ANCHOR BOLTS, MACHINE BOLTS, THREADED RODS | GRADE 36 (F1554 GR36, A36, A307-51) |
| K. NUTS FOR BOLTS AND MACHINE BOLTS | A563 |
| L. HARDENED WASHERS | F436 |
| M. UNHARDENED WASHERS | F944 |
| N. PLAIN WASHERS | ANSI B18.22.1 |
| O. BEVELED WASHERS | ANSI B18.23.1 |

- ALL STEEL SHALL BE PROVIDED BY A LICENSED FABRICATOR.

- WHEN FABRICATING SIMPLY SUPPORTED BEAMS, PLACE NATURAL CAMBER UP.

- SPLICE MEMBERS ONLY WHERE INDICATED.

- HIGH STRENGTH BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF AISC SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS. HIGH STRENGTH BOLTS SHALL BE BEARING TYPE WITH THREADS EXCLUDED FROM THE FROM THE SHEAR PLANES (I.E. A325-X) UNLESS NOTED OTHERWISE.

- ALL BOLTED CONNECTIONS SHALL HAVE A MINIMUM OF TWO BOLTS UNLESS SHOWN OTHERWISE. MINIMUM SIZE OF BOLTS FOR STRUCTURAL STEEL CONNECTIONS SHALL BE 3/4" DIA. EXCEPT WHEN OTHERWISE SHOWN OR NOTED.
- ALL HOLES SHALL BE STANDARD DIAMETER U. N.O.

- ALL FLANGE STIFFENER PLATES SHALL BE ORIENTED SO THAT ROLLING DIRECTION OF PLATE IS PARALLEL WITH DIRECTION OF PRINCIPAL STRESS.

- AFTER FABRICATION, ALL STEEL SHALL BE CLEANED FREE OF RUST, LOOSE MILL SCALE AND OIL.

- PROVIDE FILLS AT SPLICES OF PARTS HAVING MORE THAN 1/8" DIFFERENCE IN THICKNESS.

- PROVIDE BEVELED WASHERS ON ALL CONNECTIONS WHERE SLOPE SURFACE EXCEEDS 1:20.

- HEADED ANCHOR STUDS AND THREADED STUDS SHALL BE NELSON GRANULAR FLUX-FILLED, AND SHALL BE MADE FROM COLD FINISHED LOW CARBON STEEL, CONFORMING TO A-108, GRADES 1015 - 1020 WITH A MINIMUM TENSILE STRENGTH OF 60,000 PSI. (COLA RR 2729). STUD WELDING INSPECTION AND TESTING SHALL CONFORM TO AWS D1.1.

- DEFORMED BAR ANCHOR STUDS SHALL BE NELSON D2L GRANULAR FLUX-FILLED REBAR STUDS OR APPROVED EQUAL, AND SHALL BE MADE OF LOW CARBON COLD ROLLED STEEL WITH A MINIMUM TENSILE STRENGTH OF 80,000 PSI. STUD WELDING INSPECTION AND TESTING SHALL CONFORM TO AWS D1.1.

- HOT DIP GALVANIZE IN ACCORDANCE WITH ASTM A123 AND ASTM A153 STRUCTURAL STEEL AND FASTENERS THAT ARE PERMANENTLY EXPOSED TO THE WEATHER. REPAIR GALVANIZING AFTER WELDING IN ACCORDANCE WITH ASTM A780.

- THE FULL DESIGN AND LOAD CARRYING CAPACITY OF THE STEELWORK SHALL NOT BE IMPAIRED DUE TO FABRICATION, SHIPMENT, OR ERECTION PROCEDURES, THROUGHOUT THE COMPLETE PROCESS. THE STABILITY OF ALL INDIVIDUAL MEMBERS AND ASSEMBLIES SHALL BE MAINTAINED.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF ALL ERECTION PROCEDURES AND SEQUENCES WITH RELATION TO TEMPERATURE DIFFERENTIALS AND WELD SHRINKAGE.

- ALL ADDITIONAL STEEL REQUIRED FOR ERECTION PURPOSES SHALL BE PROVIDED AT NO ADDITIONAL COST AND SHALL BE REMOVED UNLESS APPROVED BY THE OWNERS REPRESENTATIVE IN WRITING.

STRUCTURAL DESIGN PACKAGE FOR CALIFORNIA FACTORY BUILT HOUSING PROGRAM AND COMMERCIAL MODULAR PROGRAM
2022 CALIFORNIA BUILDING CODE (CBC), TITLE 24

GENERAL

- ALL NEW CONSTRUCTION SHALL COMPLY WITH THE CONTRACT DOCUMENTS AND THE 2022 CALIFORNIA BUILDING CODE.
- REFERENCE TO CODES, RULES, REGULATIONS, STANDARDS, MANUFACTURERS INSTRUCTIONS OR REQUIREMENTS OF REGULATORY AGENCIES IS TO THE LATEST PRINTED EDITION OF EACH IN EFFECT AT THE DATE OF SUBMISSION OF BID UNLESS THE DOCUMENT DATE IS SHOWN.
- TYPICAL DETAILS AND GENERAL NOTES APPLY TO ALL PARTS OF THE WORK EXCEPT WHERE SPECIFICALLY DETAILED OR UNLESS NOTED OTHERWISE (U.N.O.)
- THE STRUCTURAL DRAWINGS ILLUSTRATE THE NEW STRUCTURAL MEMBERS. REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR NON-STRUCTURAL ITEMS WHICH REQUIRE SPECIAL PROVISIONS DURING THE CONSTRUCTION OF THE STRUCTURAL MEMBERS.
- REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR DEPRESSIONS, EDGE OF SLAB, OPENINGS, SLOPES, DRAINS, CURBS, PADS, EMBEDDED ITEMS, NON-BEARING PARTITIONS, ETC. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR SLEEVES, OPENINGS, AND HANGERS FOR PIPES, DUCTS AND EQUIPMENT.
- THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL VERIFY ALL DIMENSIONS AND CONDITIONS WHICH IMPACT THE WORK. FIELD VERIFY SIZES, ELEVATIONS, HOLE LOCATIONS, ETC. PRIOR TO FABRICATION.
- DRAWING DIMENSIONS ARE TO FACE OF STRUCTURE, JOINT CENTERLINE OR COLUMN GRID CENTERLINE UNLESS NOTED OTHERWISE. DO NOT SCALE THE DRAWINGS.
- CONTRACTOR SHALL CAREFULLY REVIEW THE DRAWINGS TO IDENTIFY THE SCOPE OF WORK REQUIRED. VISIT THE SITE TO RELATE THE SCOPE OF WORK TO EXISTING CONDITIONS AND DETERMINE THE EXTENT TO WHICH THOSE CONDITIONS AND PHYSICAL SURROUNDINGS WILL IMPACT THE WORK.
- EXISTING CONDITIONS AS SHOWN ON THESE PLANS ARE FOR REFERENCE ONLY. CONTRACTOR IS REQUIRED TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REPORT CONDITIONS THAT CONFLICT WITH THE CONTRACT DOCUMENTS TO THE OWNER'S REPRESENTATIVE. DO NOT DEVIATE FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL RESOLVE ANY CONFLICTS ON THE DRAWINGS OR IN THE SPECIFICATIONS WITH THE OWNERS REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
- ANY DEVIATION, MODIFICATION & SUBSTITUTION FROM THE APPROVED SET OF STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE OWNERS REPRESENTATIVE FOR REVIEW/ APPROVAL PRIOR TO ITS USE OR INCLUSION ON THE SHOP DRAWINGS & PRIOR TO PROCEEDING WITH THE WORK.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SHORES, BRACES, GUYS, HOIST BEAM, REQUIRED TO SUPPORT ALL LOADS TO WHICH THE BUILDING STRUCTURE AND COMPONENTS, SOILS, OTHER STRUCTURES AND UTILITIES MAY BE SUBJECT DURING CONSTRUCTION. SHORING SYSTEMS SHALL BE DESIGNED AND STAMPED BY A CIVIL ENGINEER LICENSED IN THE STATE OF CALIFORNIA. VISITS TO THE SITE BY THE OWNERS REPRESENTATIVE WILL NOT INCLUDE OBSERVATION OF THE ABOVE NOTED ITEMS.
- THE CONTRACTOR SHALL PROVIDE MEANS, METHOD, TECHNIQUES, SEQUENCE AND PROCEDURE OF CONSTRUCTION AS REQUIRED. SECT VISITS PERFORMED BY THE OWNER'S REPRESENTATIVE DO NOT INCLUDE INSPECTIONS OF MEANS AND METHODS OF CONSTRUCTION PERFORMED BY CONTRACTOR.
- THE CONTRACTOR SHALL PROTECT ALL WORK, MATERIALS AND EQUIPMENT FROM DAMAGE AND SHALL PROVIDE PROPER STORAGE FACILITIES FOR MATERIALS AND EQUIPMENT DURING CONSTRUCTION.
- A COPY OF ANY REQUIRED LOS ANGELES RESEARCH REPORT AND/OR CONDITIONS OF LISTING SHALL BE MADE AVAILABLE AT THE JOB SITE.
- ATTACHMENT OF NON-STRUCTURAL COMPONENTS SPECIFIED BY OTHERS TO STRUCTURAL ELEMENTS SHALL BE SPECIFIED BY THE NON-STRUCTURAL COMPONENT DESIGNER/SPECIFIER/INSTALLER. DESIGNER OF NON-STRUCTURAL ELEMENTS SHALL AT A MINIMUM SPECIFY THE CONNECTION TO THE STRUCTURE INCLUDING BUT NOT LIMITED TO: ANY TYPE OF CONNECTING HARDWARE, WIRE, HANGERS, FASTENERS, CLIPS, UNISTRUT MEMBERS. NON STRUCTURAL ELEMENTS SHALL INCLUDE, BUT NOT LIMITED TO: MEP AND HVAC EQUIPMENT & THEIR SUPPORTING PADS, PLATFORMS, FRAMES, ETC.; DUCTWORK, PIPES, CONDUITS, ARTWORK, GRILLES, GRATING, METAL SCREENS, ELEVATOR RAILS, STONE FINISH TILES, STONE CAPS, BRICK VENEER.
- ALLOW FOURTEEN WORKING DAYS FOR PROCESSING SHOP DRAWINGS AND SUBMITTALS AFTER RECEIPT.

DESIGN CRITERIA

| | |
|---|--|
| FLOOR LIVE LOAD: | 100 PSF |
| ROOF LIVE LOAD: | 20 PSF |
| ROOF SOLAR PANEL ZONE ALLOWANCE | 5 PSF |
| WIND DESIGN DATA: | |
| V _W : INTERNAL PRESSURE COEFFICIENT EXPOSURE: | 95 MPH 5 PSF C |
| HORIZONTAL PRESSURE COEFFICIENT (MAIN WIND FORCE RESISTING SYSTEM): | 17 PSF (LRFD) |
| SEISMIC DESIGN DATA: | |
| IMPORTANCE FACTOR: | 1.0 |
| S _s : | 0.782 |
| S ₁ : | 0.277 |
| SITE CLASS: | D |
| F _a : | 1.195 |
| S _D s: | 0.607 |
| SEISMIC DESIGN CATEGORY: | D |
| OCCUPANCY RISK CATEGORY: | II |
| SEISMIC FORCE RESISTING SYSTEM: | CORRUGATED STEEL SHEARWALL PANELS (14 GA. STL. SHIPPING CONTAINER WALLS) |
| ANALYSIS PROCEDURE USED: | EQUIVALENT LATERAL FORCE |
| R: | 2.0 |
| C _s : | 0.304 (LRFD) 0.212 (ASD) |
| RHO: | 1.0 |

Approved For State of California
Commercial Modular
By
MA Consulting & Engineering MACE, LLC.
Third Party Design Approval Agency (DAA)
Certificate Number: DM1570821

These plans have been approved pursuant to the provisions of The State of California Health and Safety Code, Division 13, Part 2 and California Code of Regulations, Title 25, Chapter 3, Subchapter 2
Plan Approval No. MAC-CM 10045

Approval Date: 9/3/2023
Expiration Date: 11/30/2024

JUSTUS STUDIO, INC.

OWNER:

HOME FED
1903 WRIGHT PL
SUITE 220
CARLSBAD, CA 92008

ARCHITECT:

JUSTUS STUDIO, INC.
4271 KENYON AVENUE
LOS ANGELES, CA 90066

CONTACT: JOSEPH JUSTUS
E: JOSEPH@JUSTUS-STUDIO.COM
P: 949-294-2646

STRUCTURAL:

ORION STRUCTURAL GROUP, INC.
223 E. THOUSAND OAKS BLVD., #304
THOUSAND OAKS, CA 91380

ELECTRICAL:

ARB ELECTRIC, INC.
1401 N. EL CAMINO REAL #01
SAN LEBANITO, CA 92672

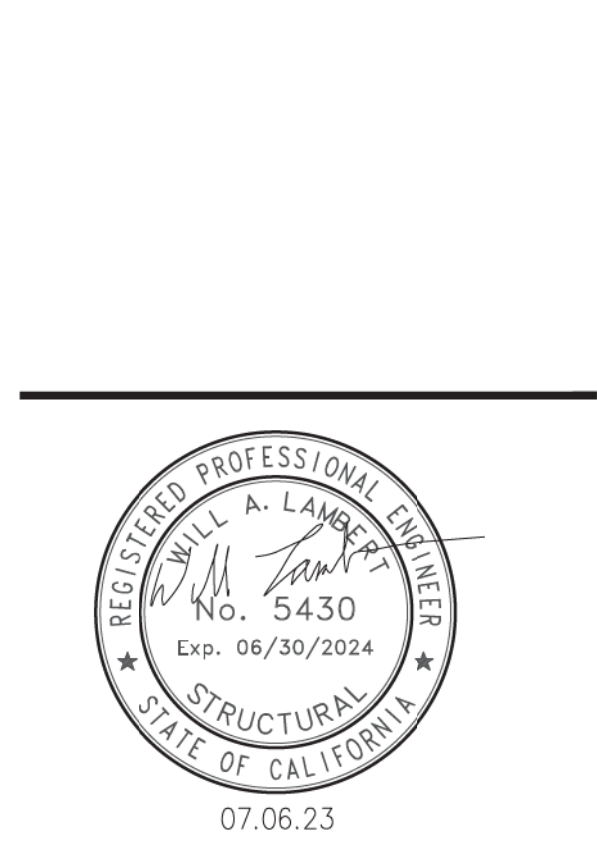
MECHANICAL:

VANDERBEEK ENGINEERING CONSULTANTS
42056 DELMONT ST
TEMECULA CA 92591

COMMERCIAL MODULAR MANUFACTURER:

FREE FORM DEVELOPMENT, INC.
1148 INDUSTRIAL AVE.
ESCONDIDO, CA 92029

CONTACT: ADAM JURELA
E: ADAM@FREEFORMDC.COM
P: 760-801-2384



| ISSUE | DATE |
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20 FOOT CATERING CONTAINER

MODEL: HFCS20-2023CATER
S/N: HFCS-20-2023

TITLE

STRUCTURAL GENERAL NOTES

PROJECT

OSG#23309
SCALE
PER PAGE

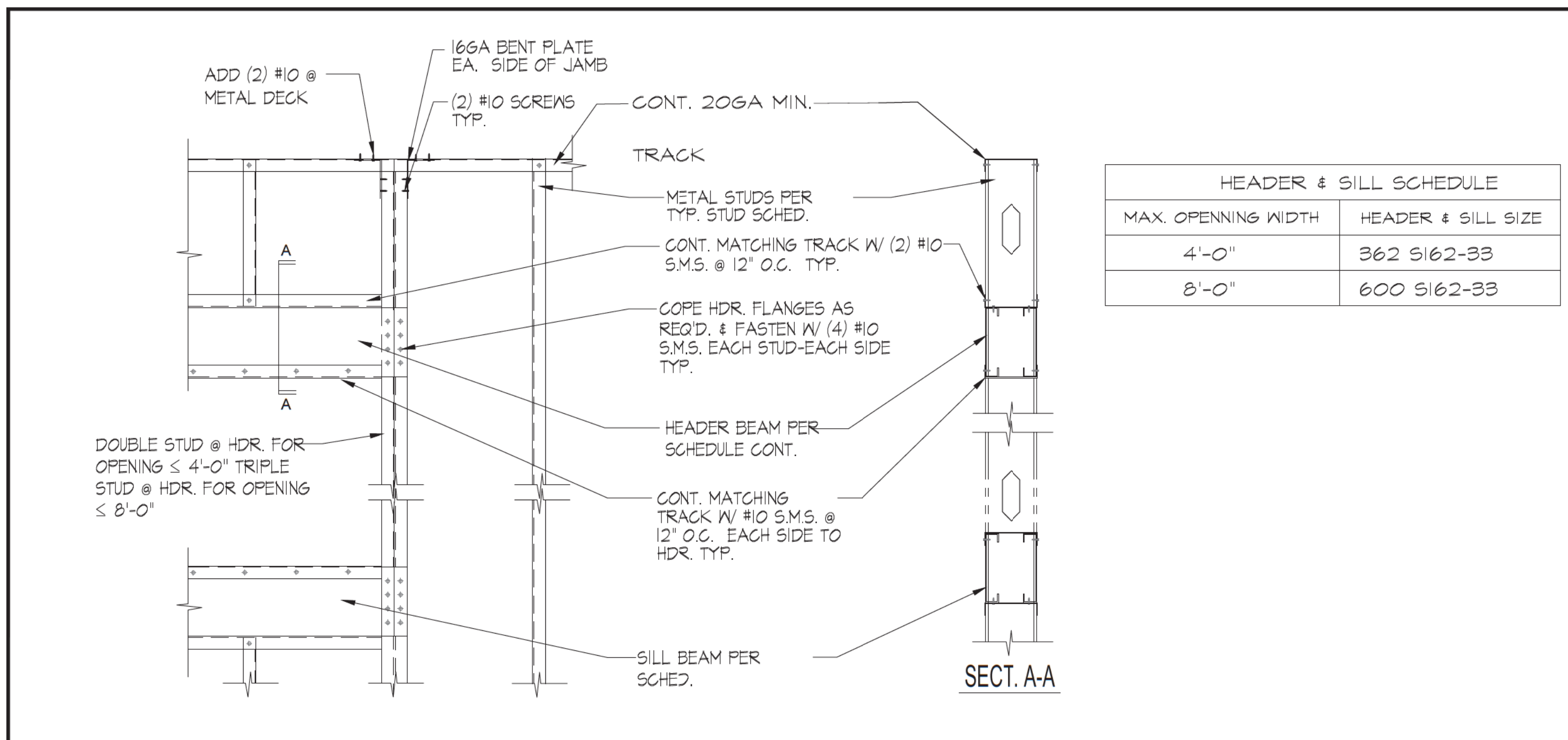
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EN/WL

DATE
07/06/2023
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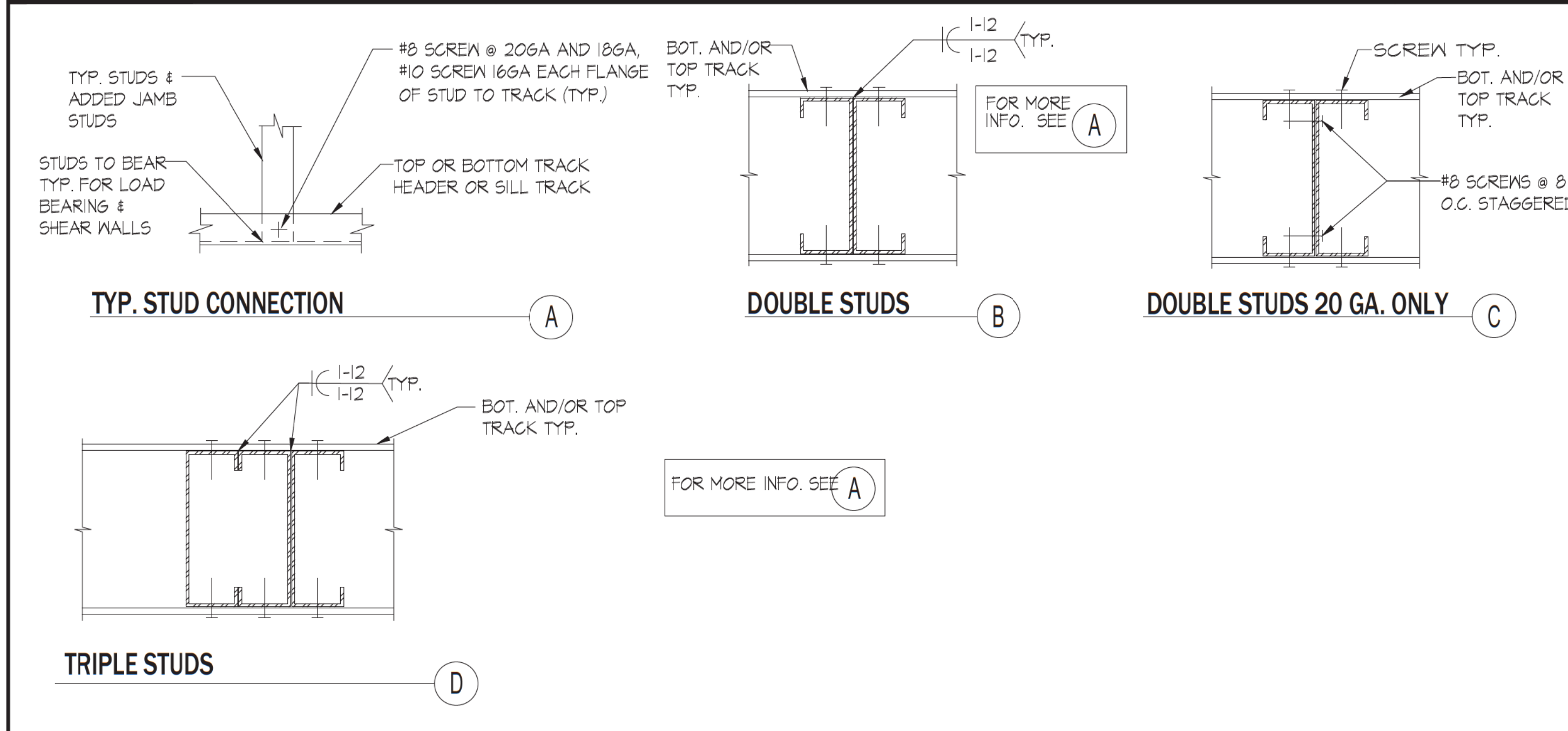
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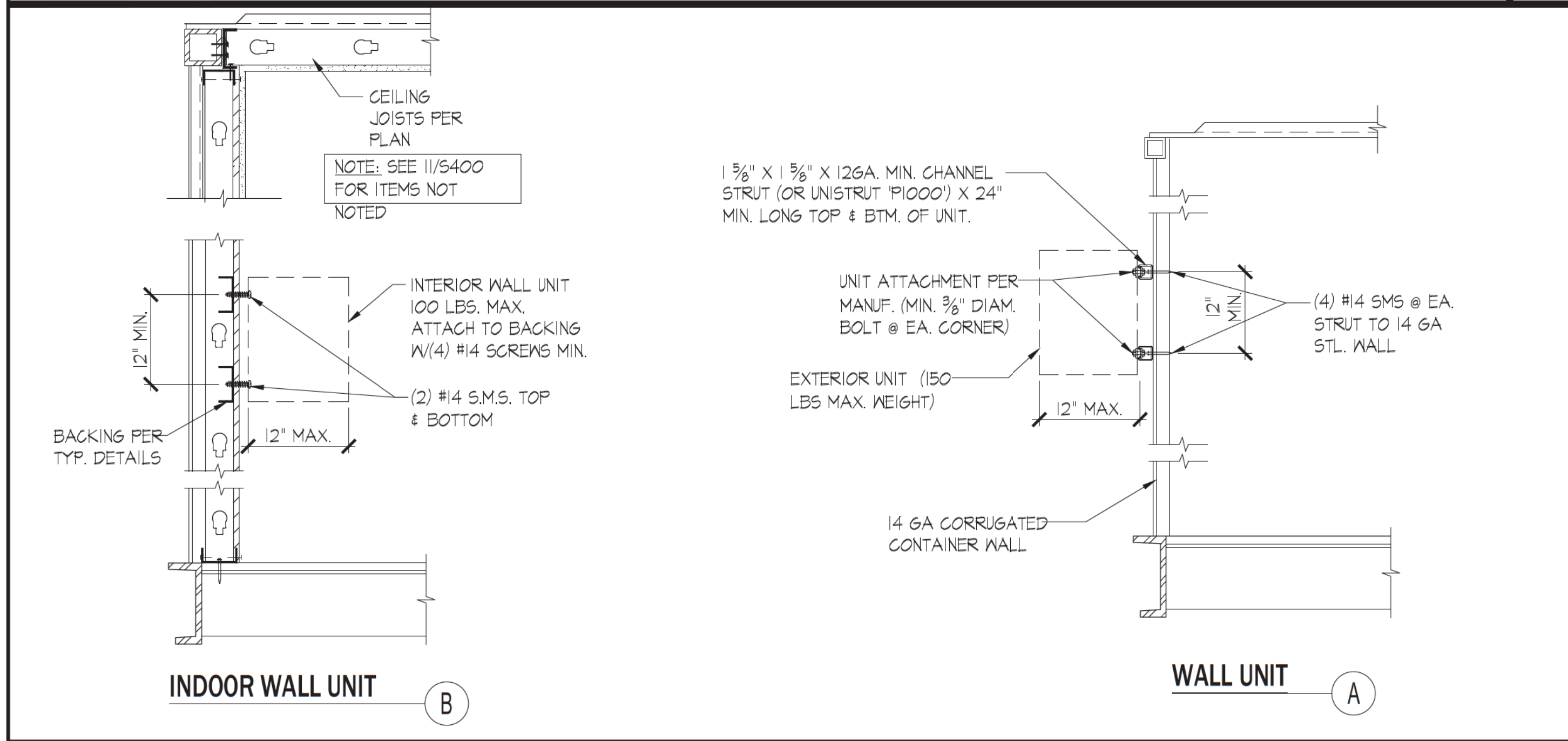
JUSTUS STUDIO INC



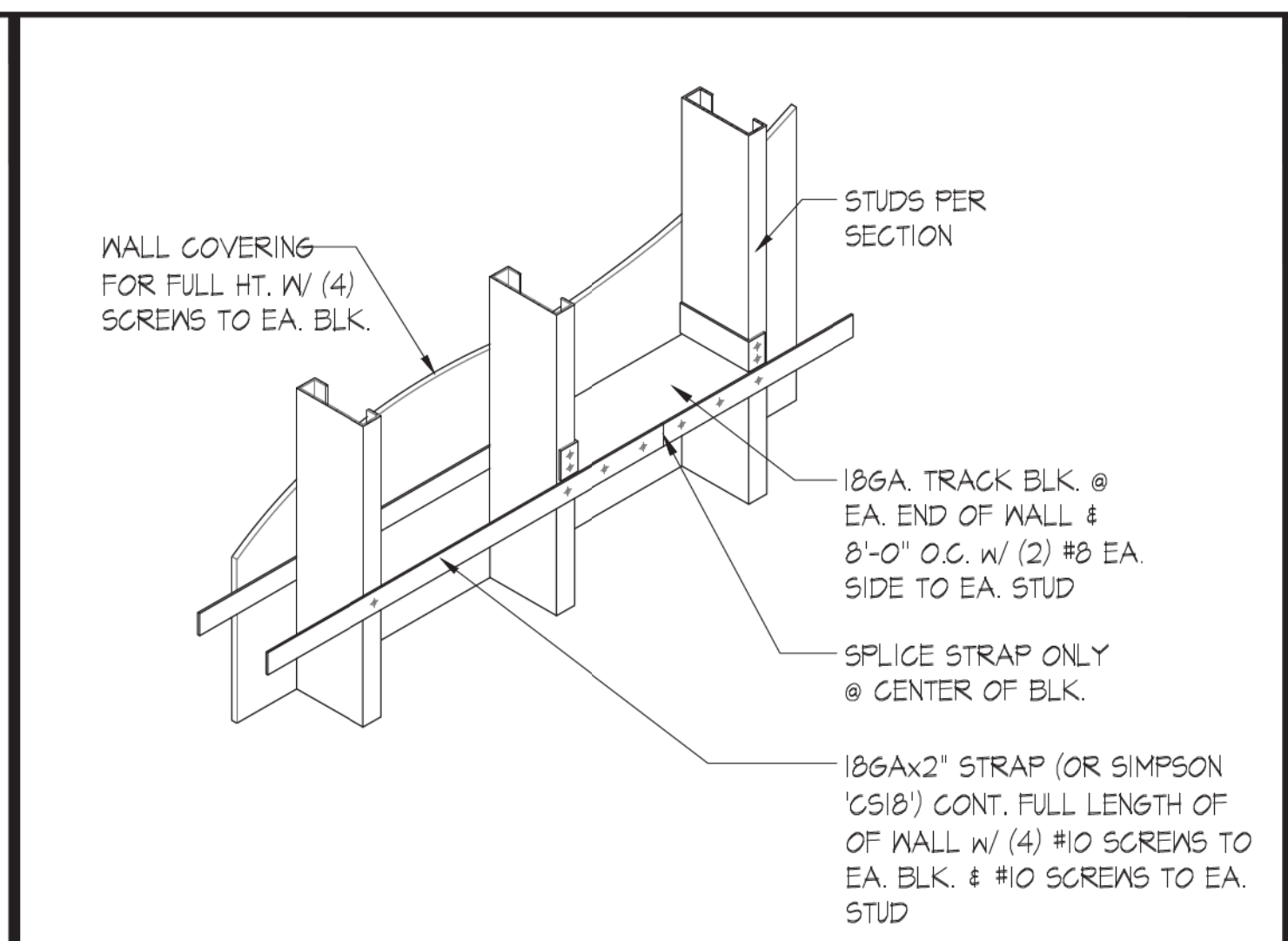
TYP. OPENING IN INTERIOR NON-BEARING METAL STUD WALL SCALE: 1" = 1'-0" 7



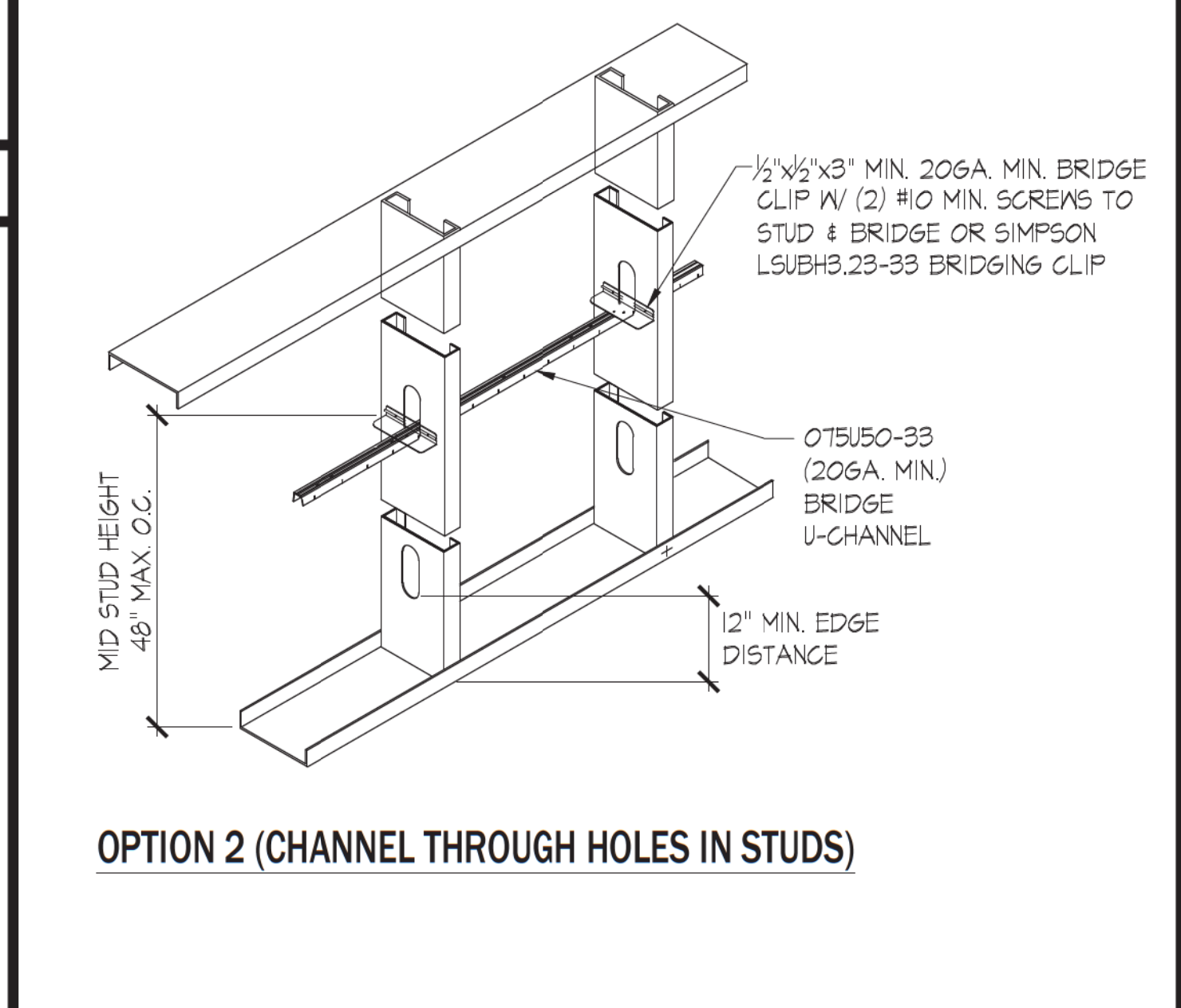
TYP. MULTIPLE STUD MENDING SCALE: 1" = 1'-0" 8



WALL MOUNTED UNIT SUPPORT DETAIL SCALE: 1" = 1'-0" 9



OPTION 1 (BLKG. AND STRAP)



OPTION 2 (CHANNEL THROUGH HOLES IN STUDS)

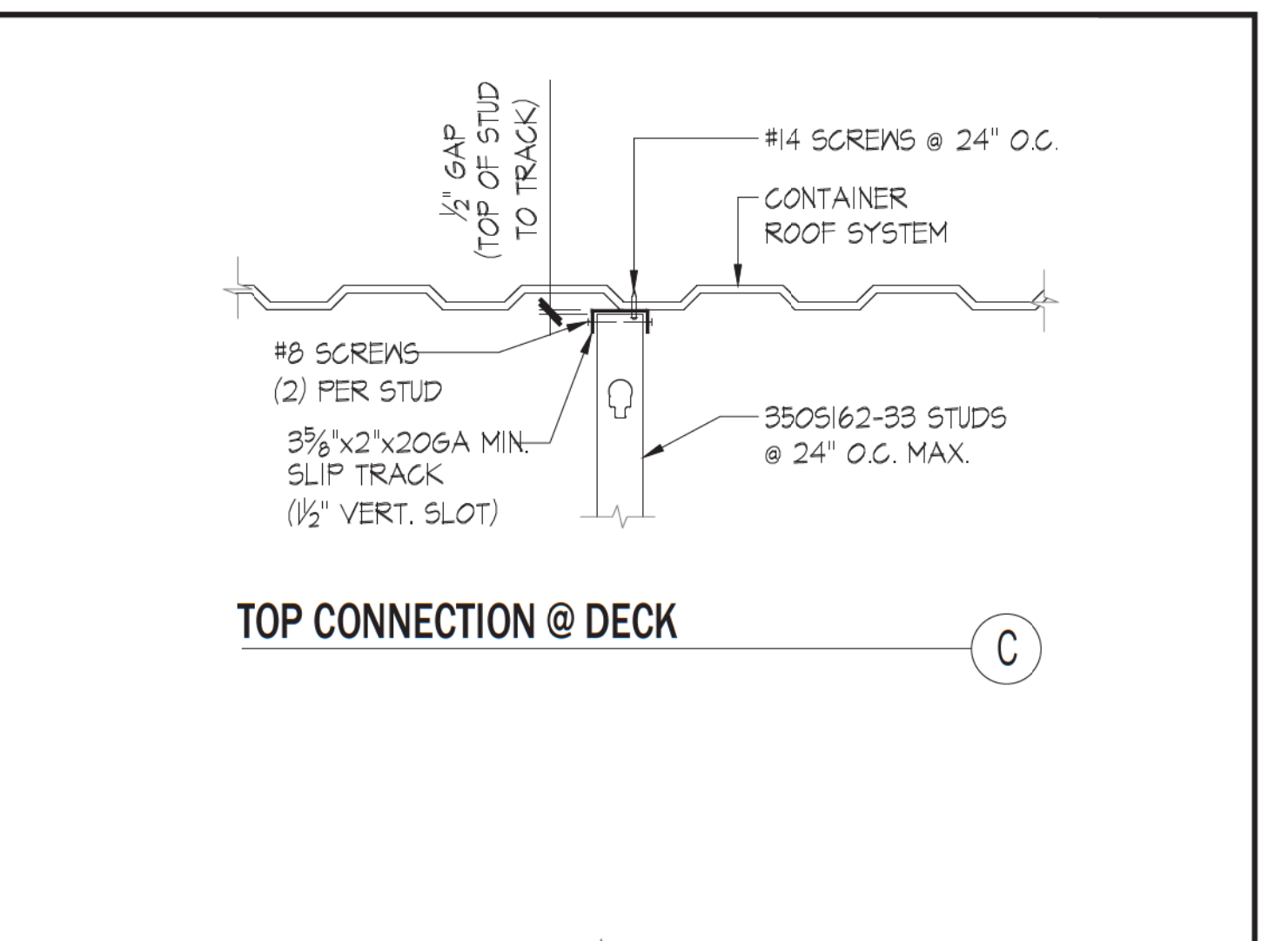
STUD WALL BRIDGING SCALE: 1" = 1'-0" 5

NOT USED

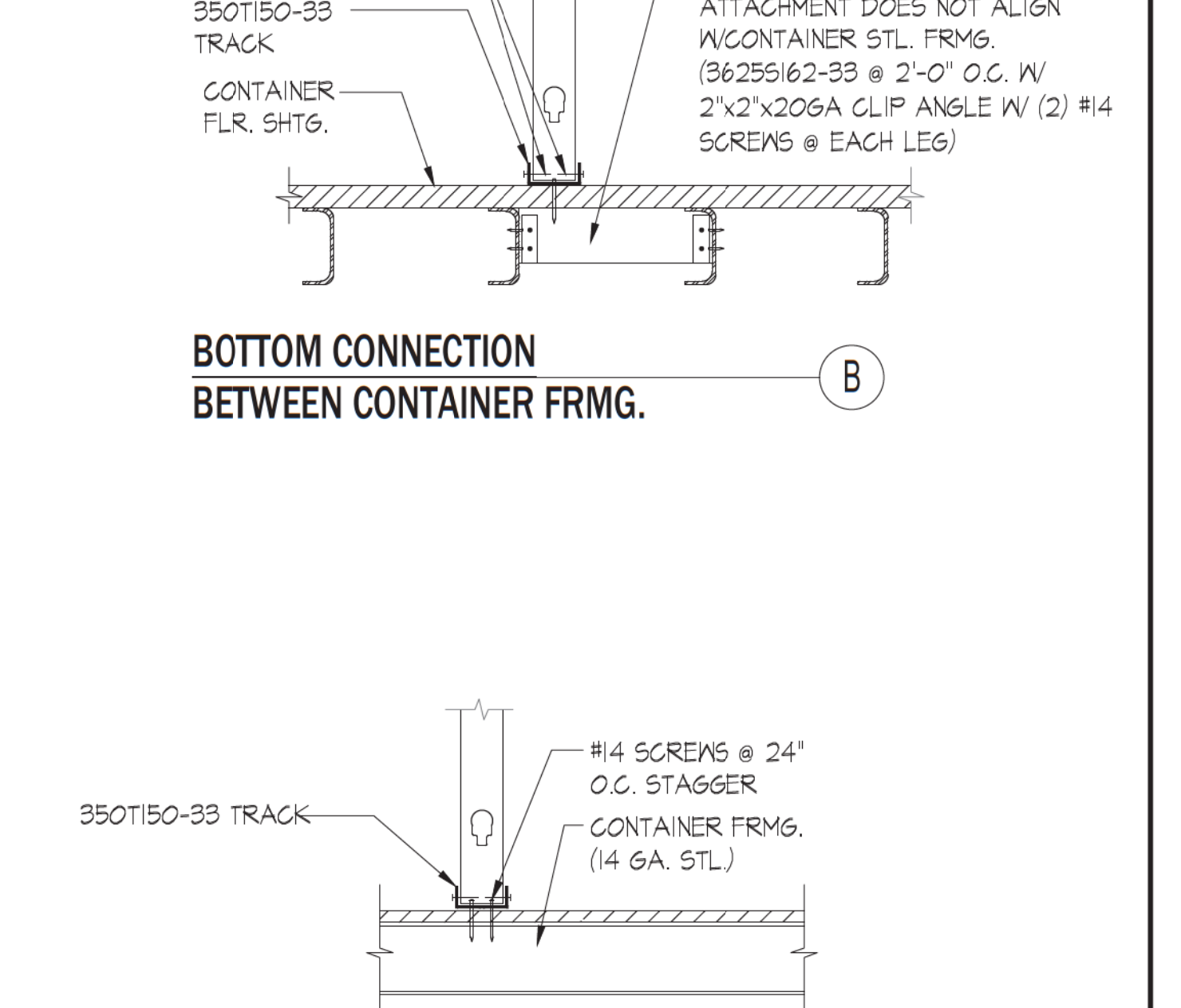
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Third Party Design Approval Agency (DAA)
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6 TRACK SPLICE SCALE: 1" = 1'-0" 3

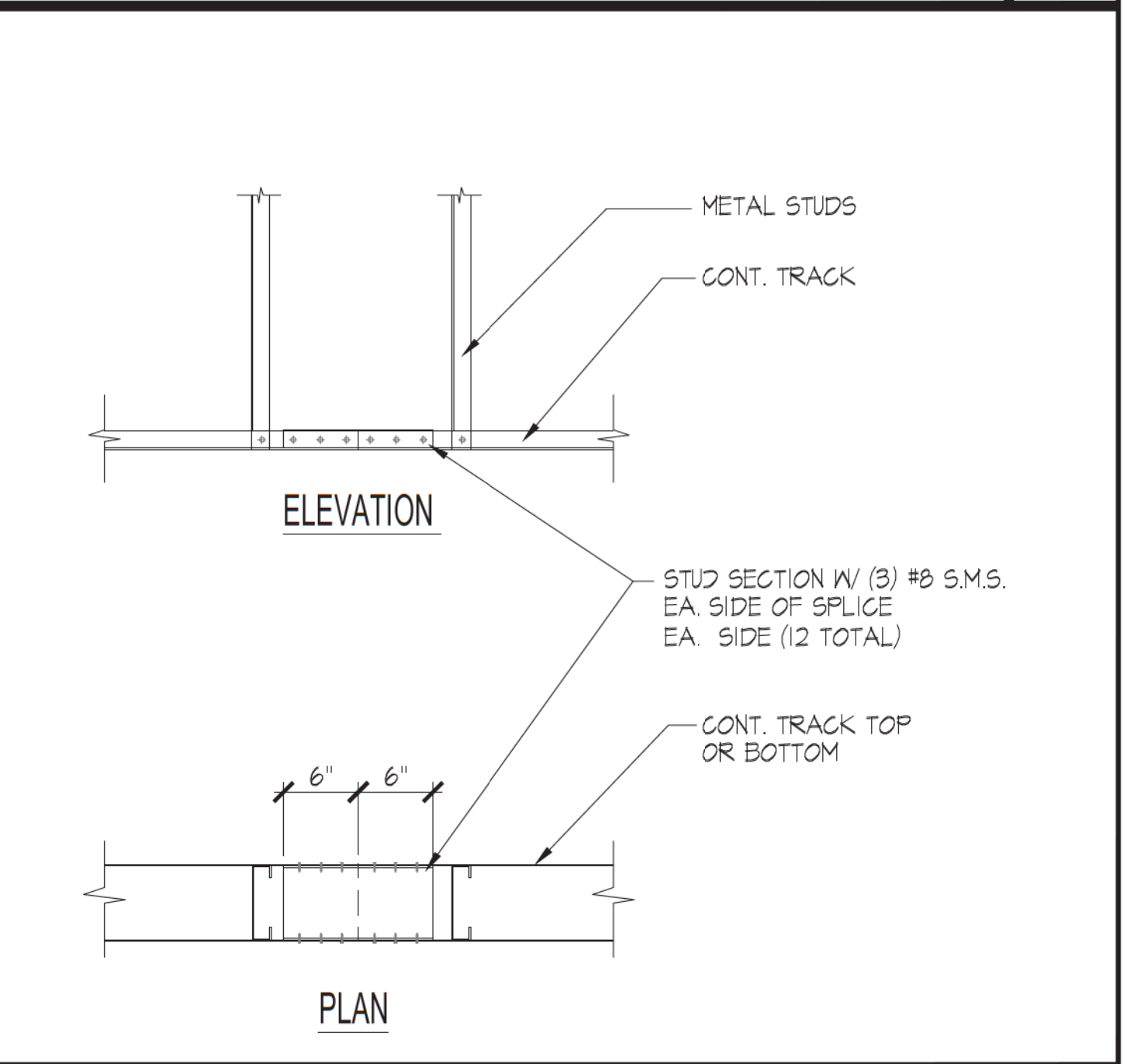


TOP CONNECTION @ DECK



BOTTOM CONNECTION @ CONTAINER FRMG.

TYP. NON BEARING WALL DETAIL SCALE: 1" = 1'-0" 2



TRACK SPLICE SCALE: 1" = 1'-0" 3

OWNER:
HOME FID
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SUITE 220
CARLSBAD, CA 92008

ARCHITECT:
JUSTUS STUDIO, INC.
4271 KENYON AVENUE
LOS ANGELES, CA 90066

CONTACT: JOSEPH JUSTUS
E: JOSEPH@JUSTUS-STUDIO.COM
P: 949-294-2648

STRUCTURAL:
ORION STRUCTURAL GROUP, INC.
233 E. THOUSAND OAKS BLVD., #304
THOUSAND OAKS, CA 91380

ELECTRICAL:
ARB ELECTRIC, INC.
1401 N. EL CAMINO REAL #201
SAN CLEMENTE, CA 92672

MECHANICAL:
VANDERBEEK ENGINEERING CONSULTANTS
42056 DELMONTE ST
TREMULA, CA 92591

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1148 INDUSTRIAL AVE.
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20 FOOT CATERING CONTAINER
MODEL: HFCS20-2023CATER
S/N: HFCS-20-2023

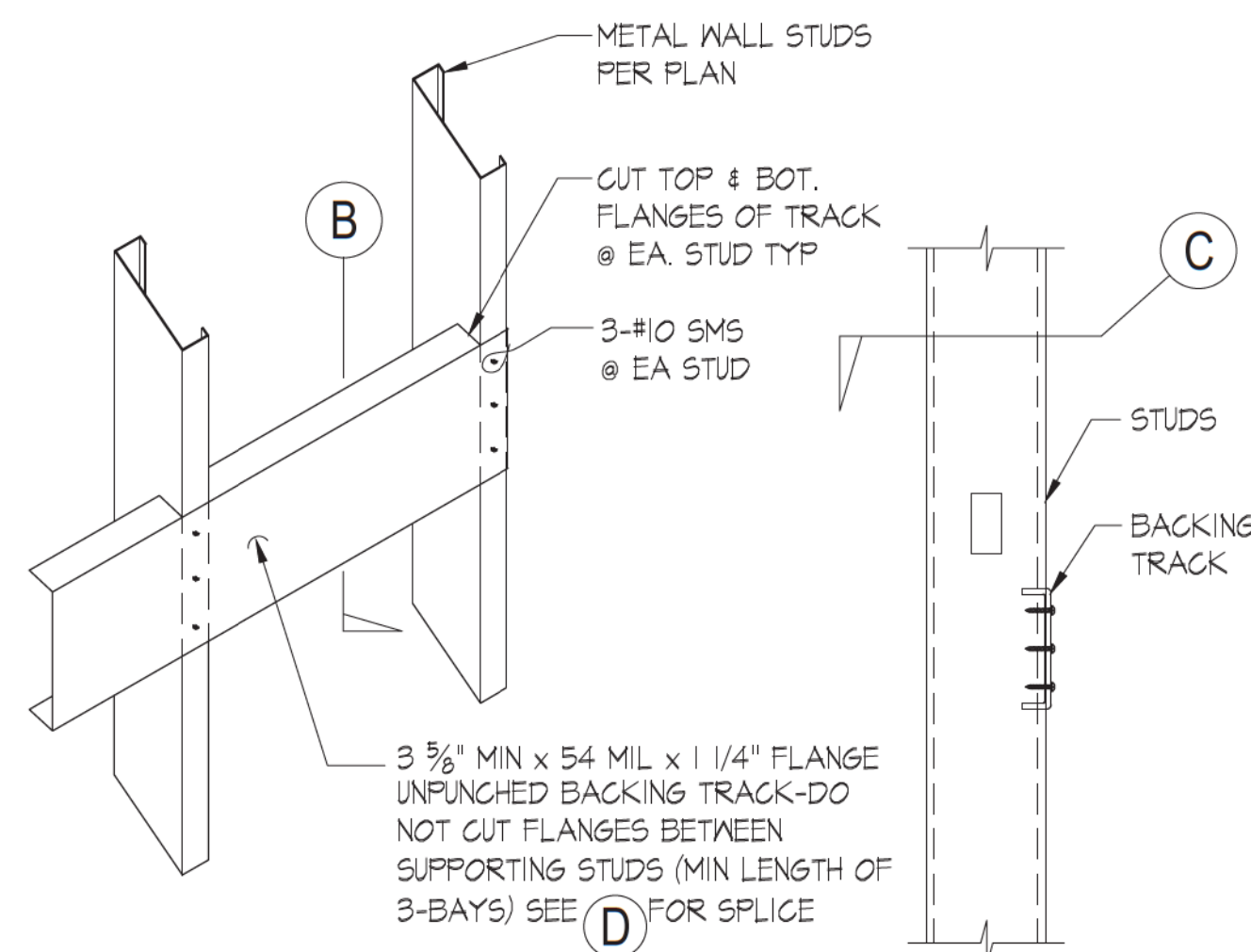
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TYPICAL DETAILS

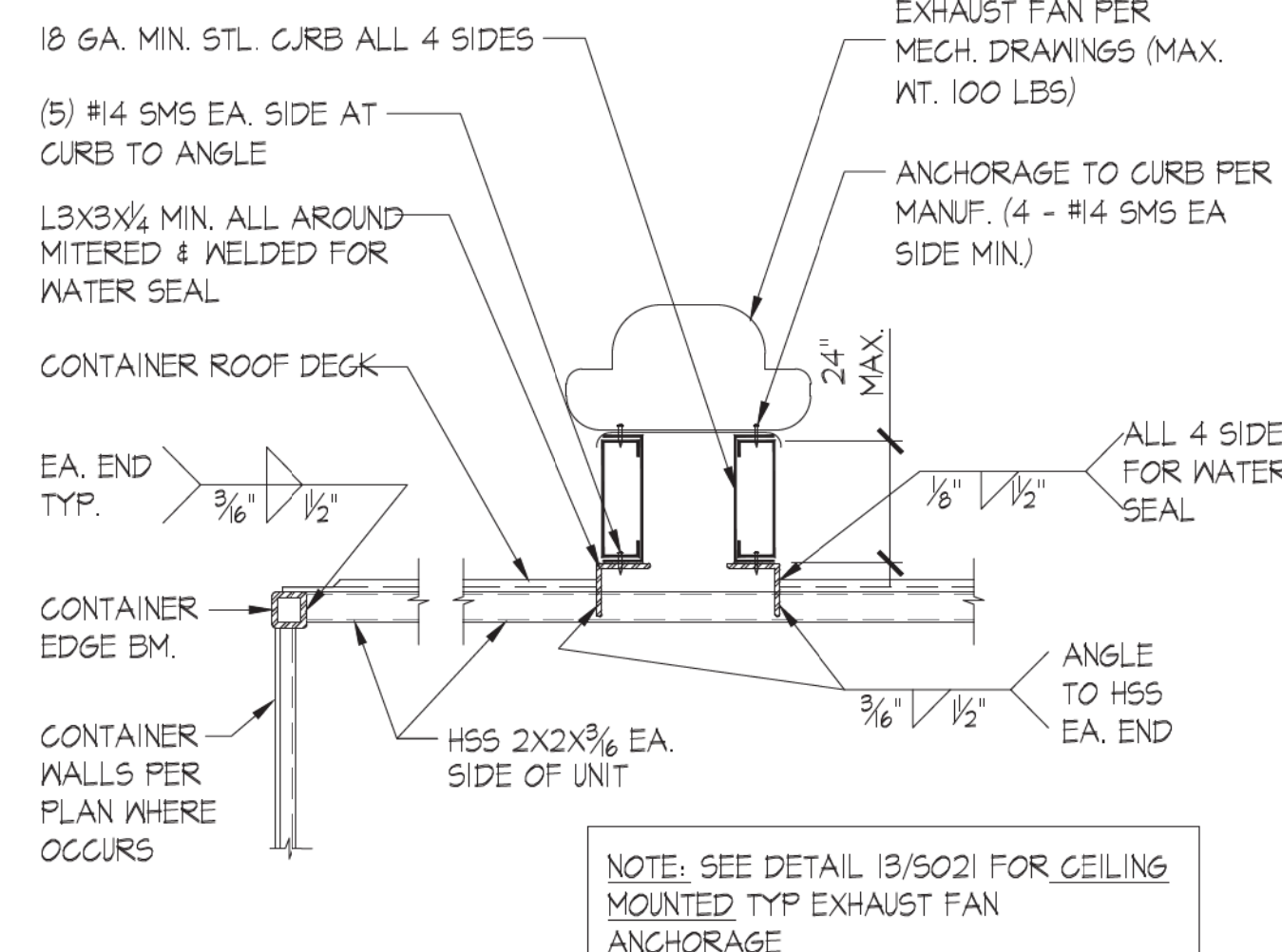
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SHEET NUMBER
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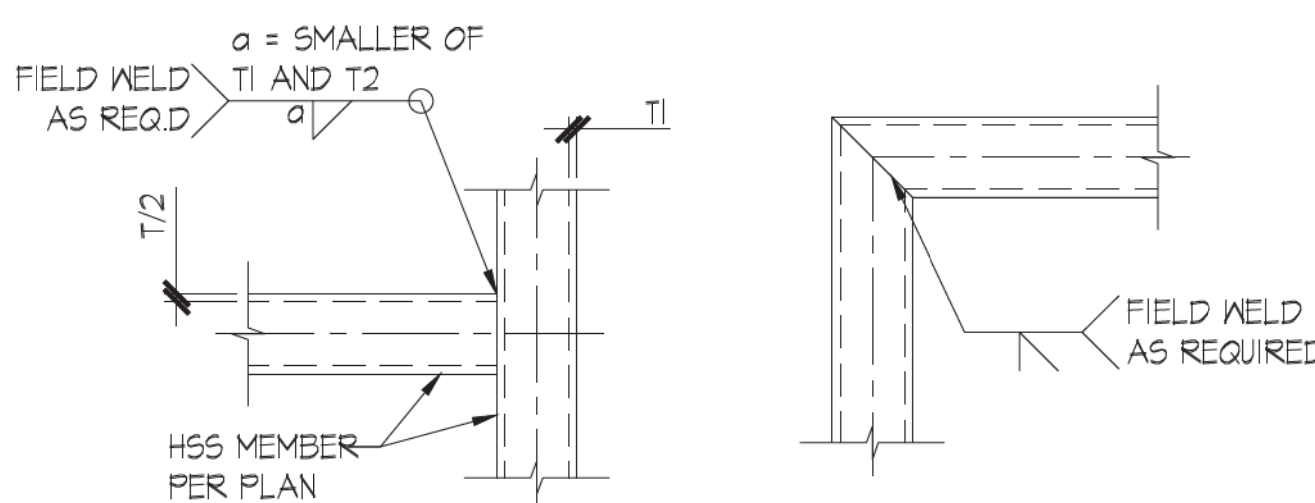
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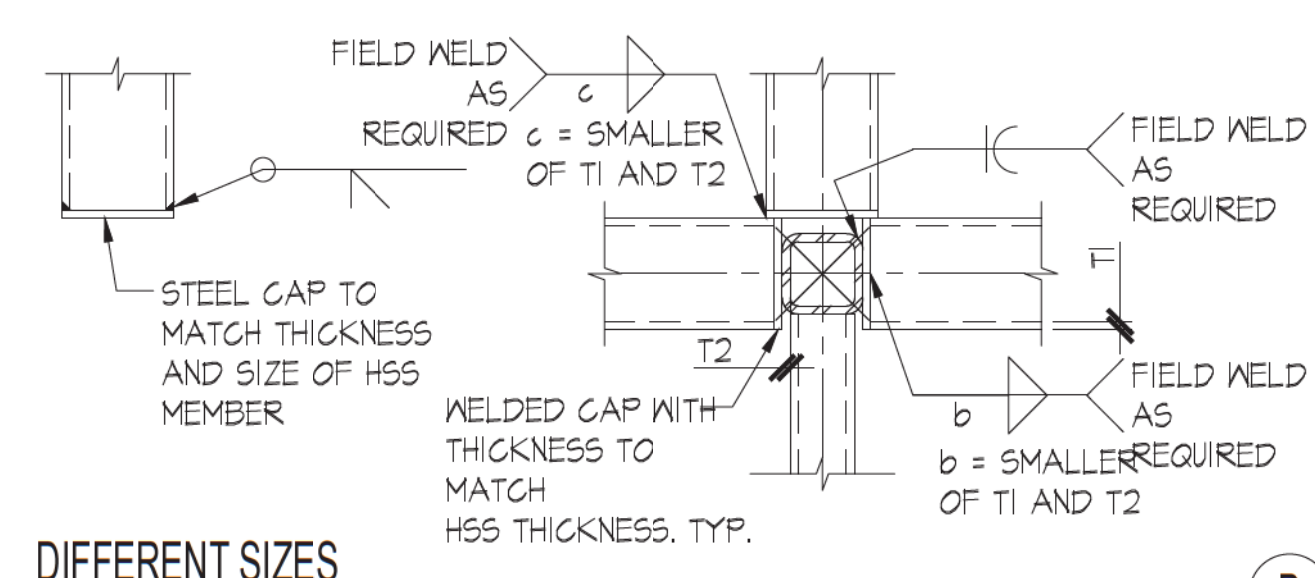
DETAIL A SECTION B



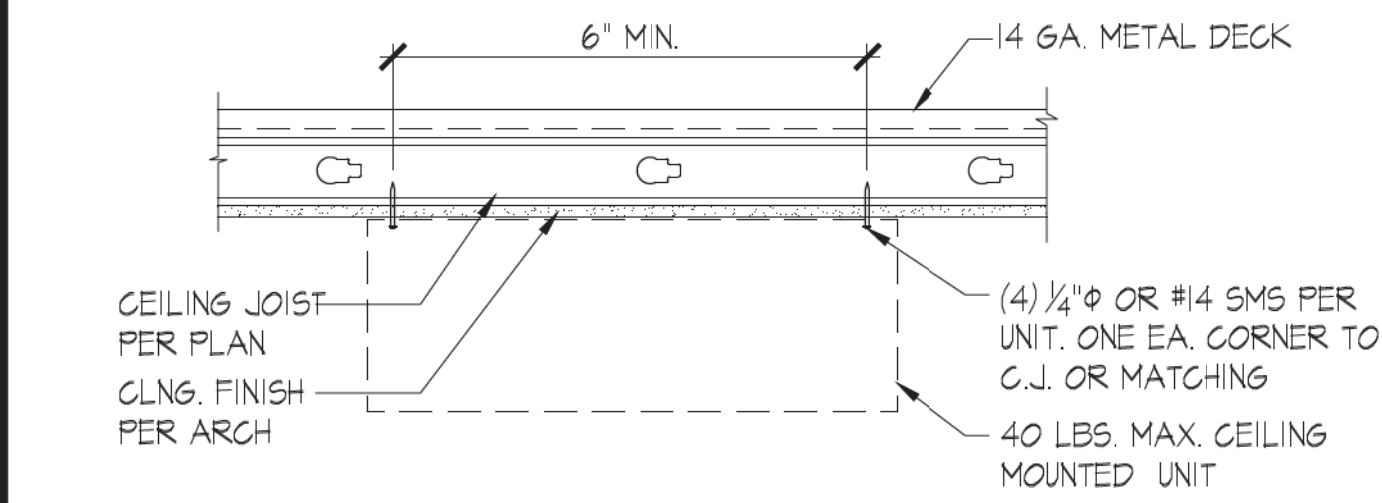
ROOFTOP EXHAUST FAN ANCHORAGE SCALE: 1" = 1'-0" 19



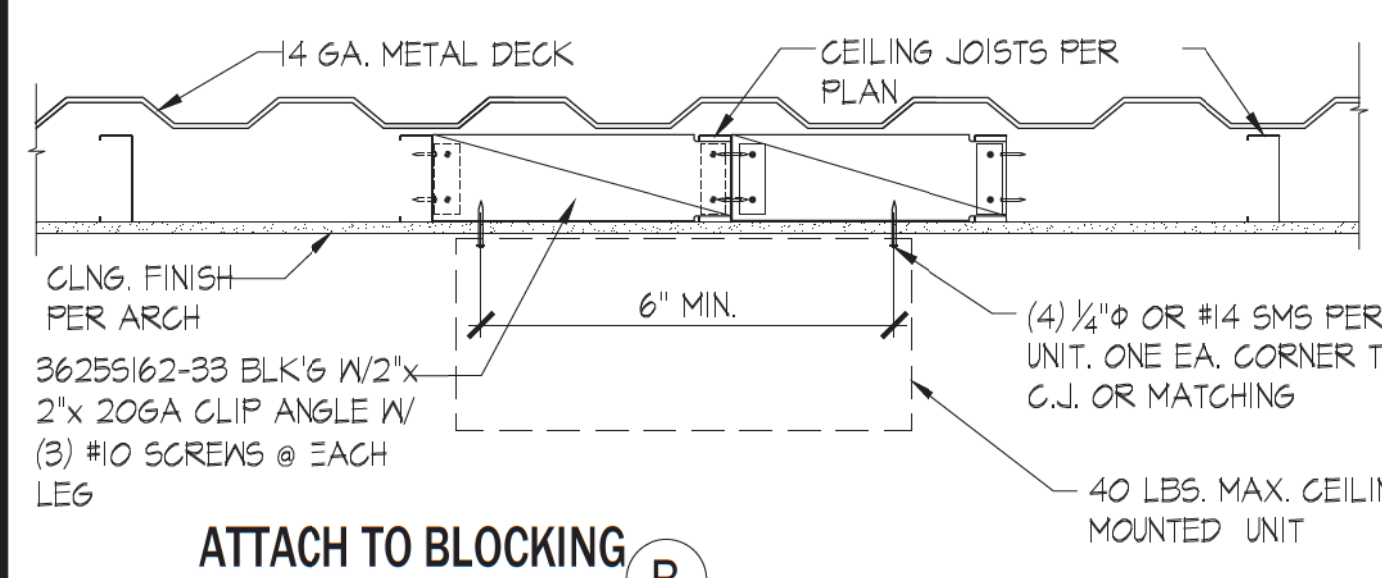
"T" CONDITIONS CORNER CONDITIONS



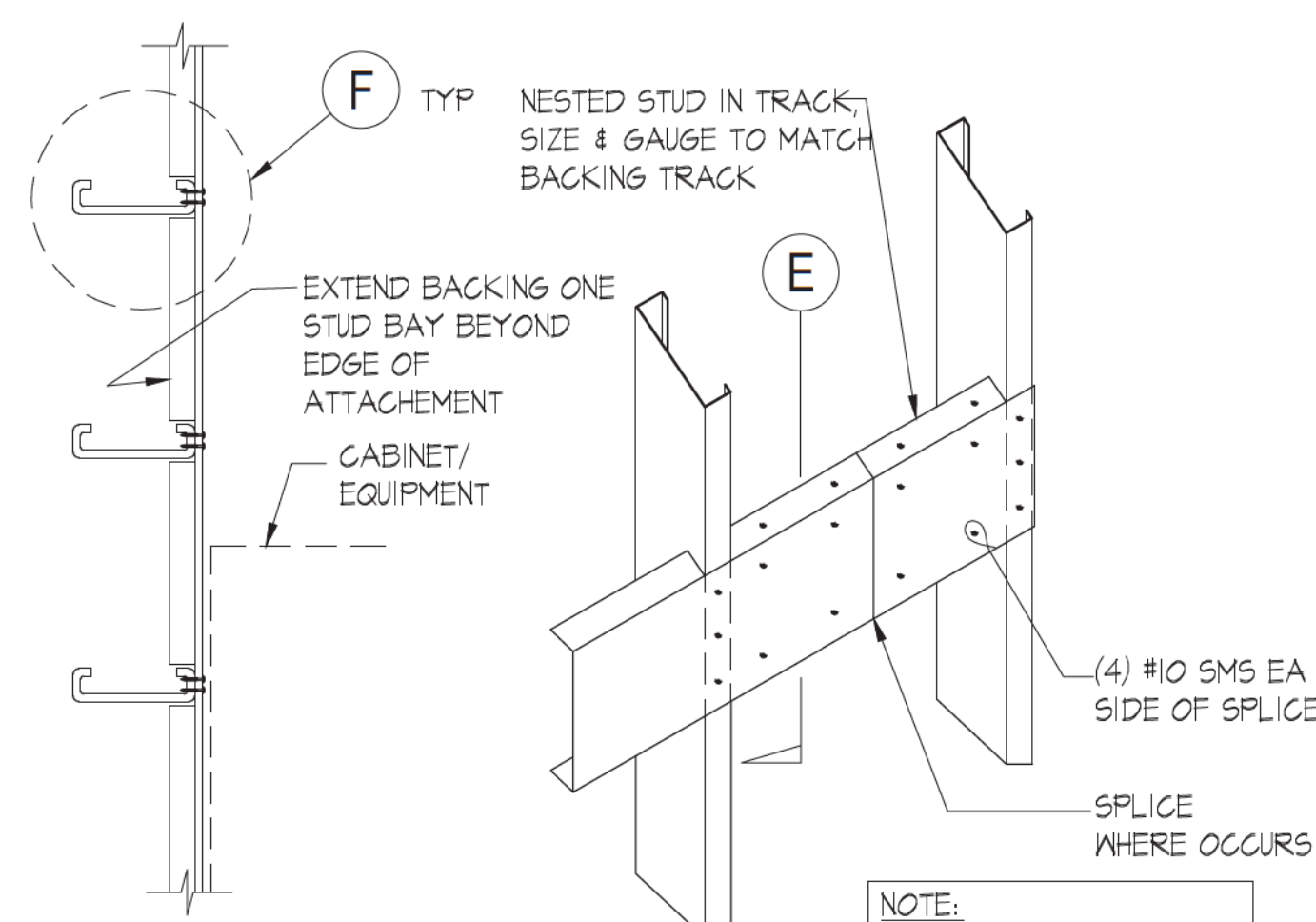
DIFFERENT SIZES



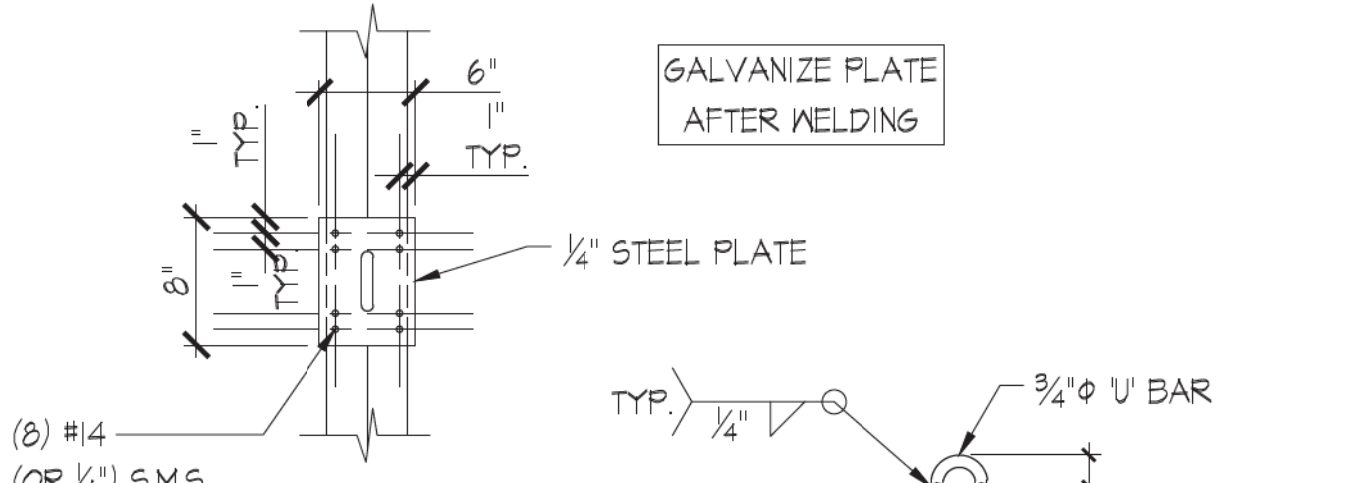
ATTACH TO CEILING JOISTS



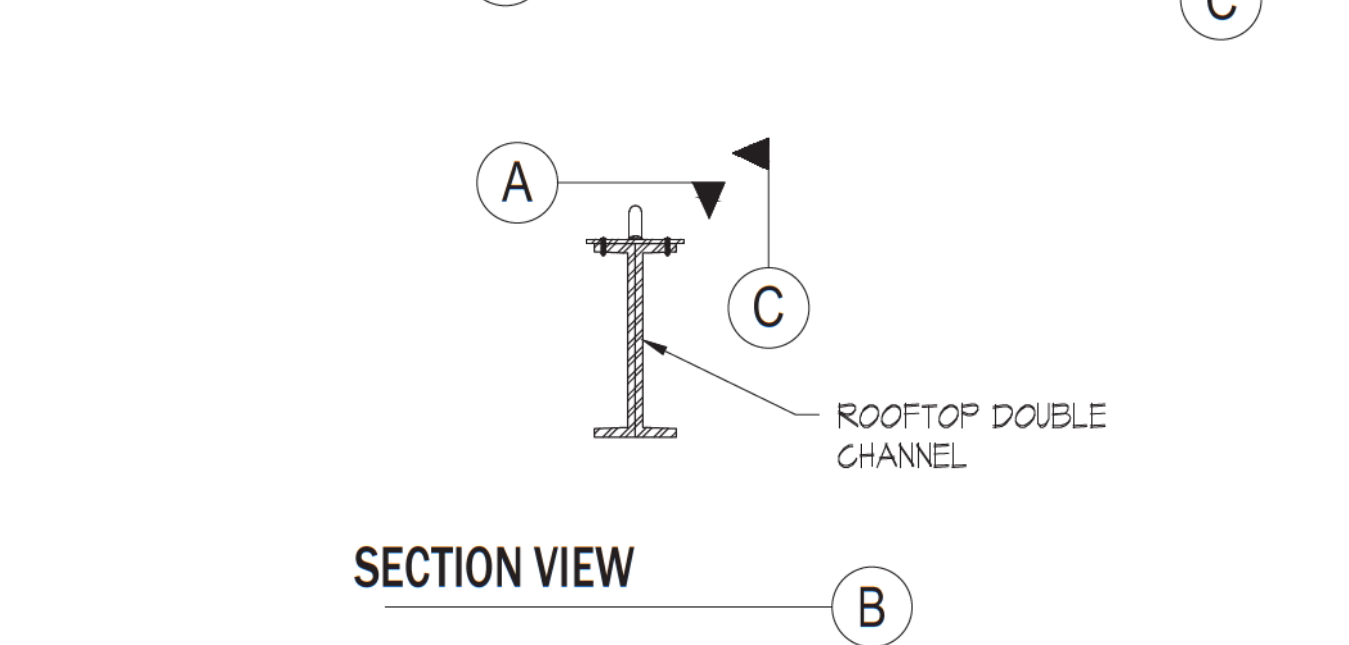
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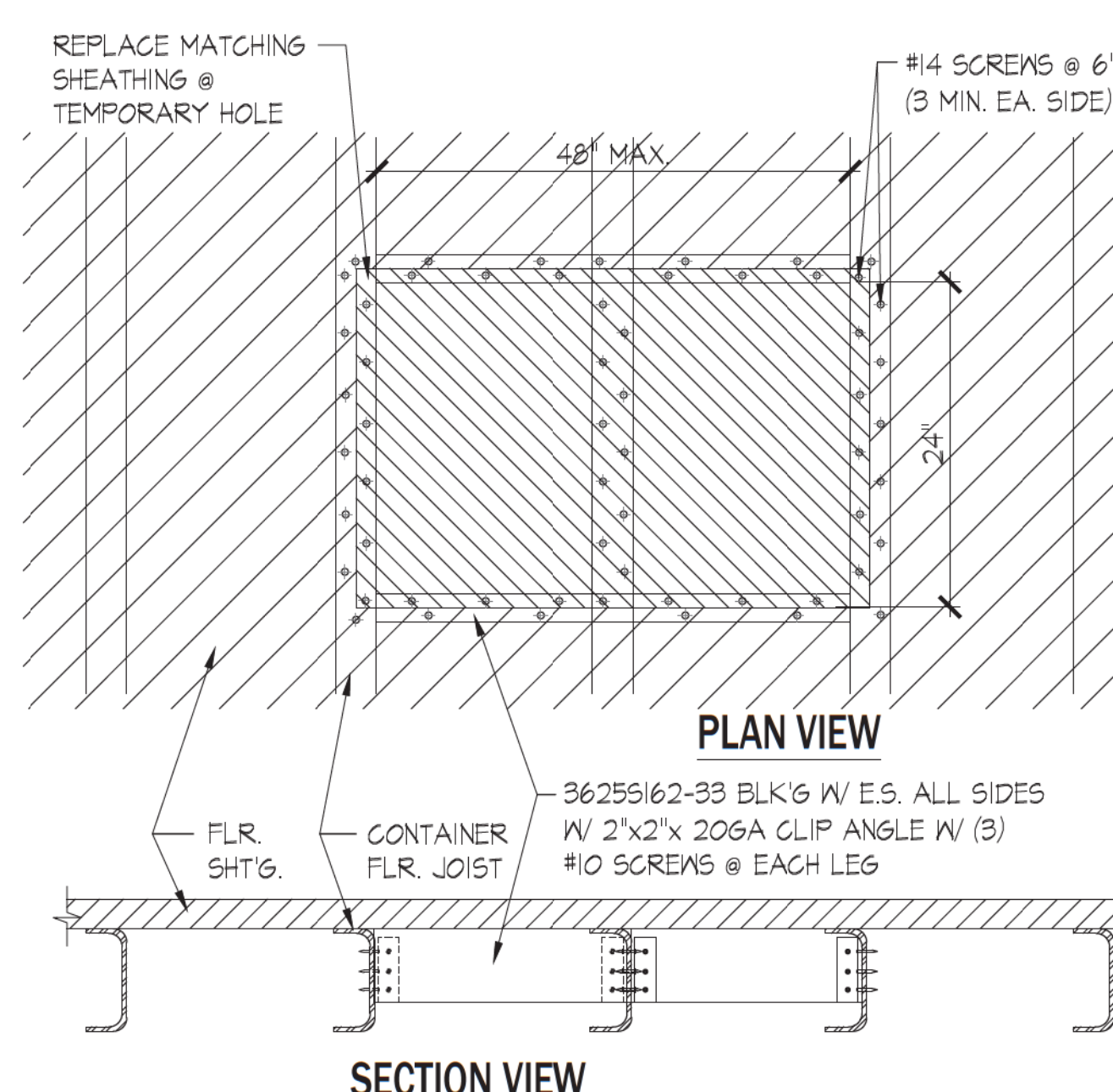
PLAN VIEW C DETAIL D



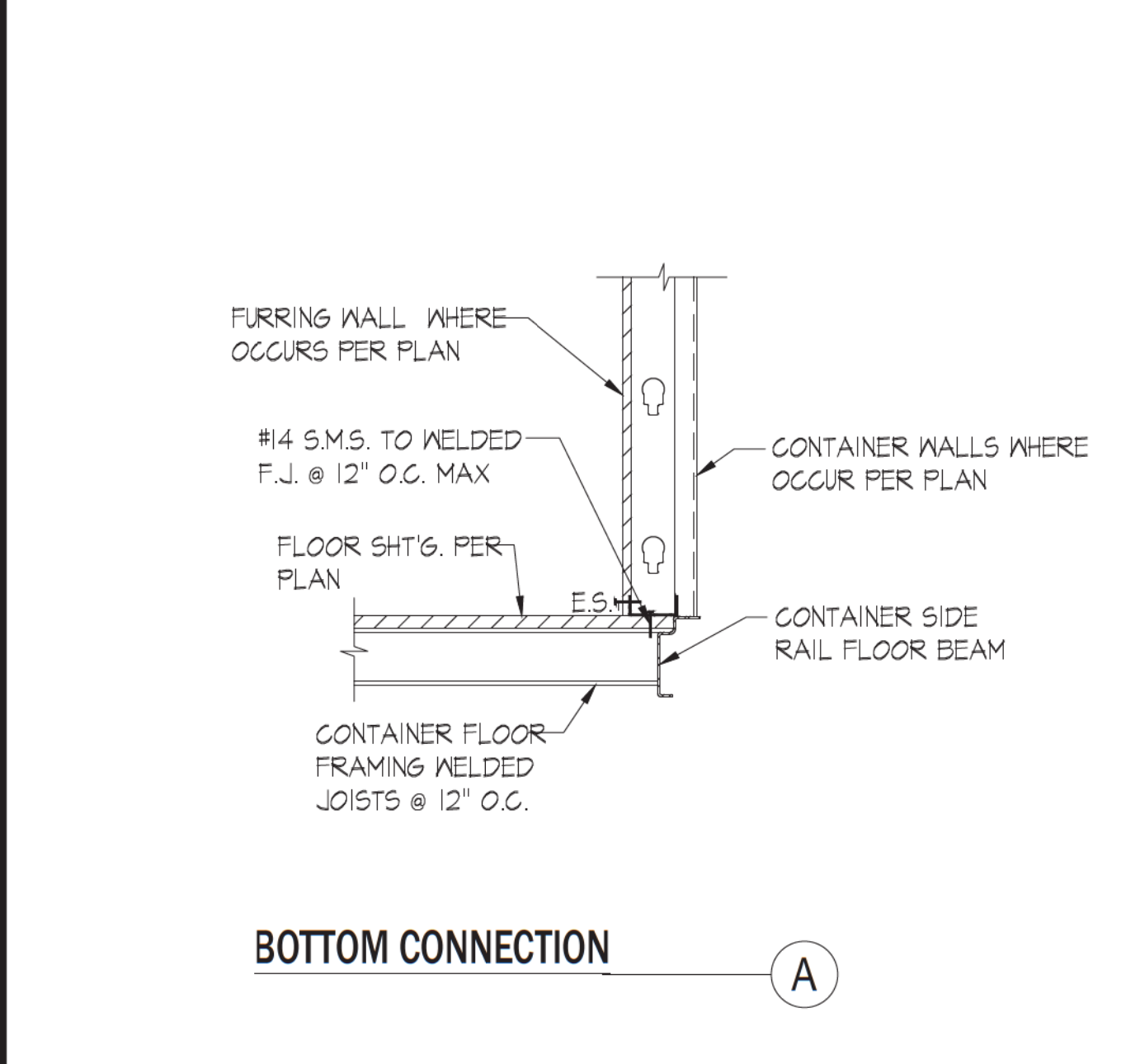
PLAN VIEW A PLATE SIDE VIEW C



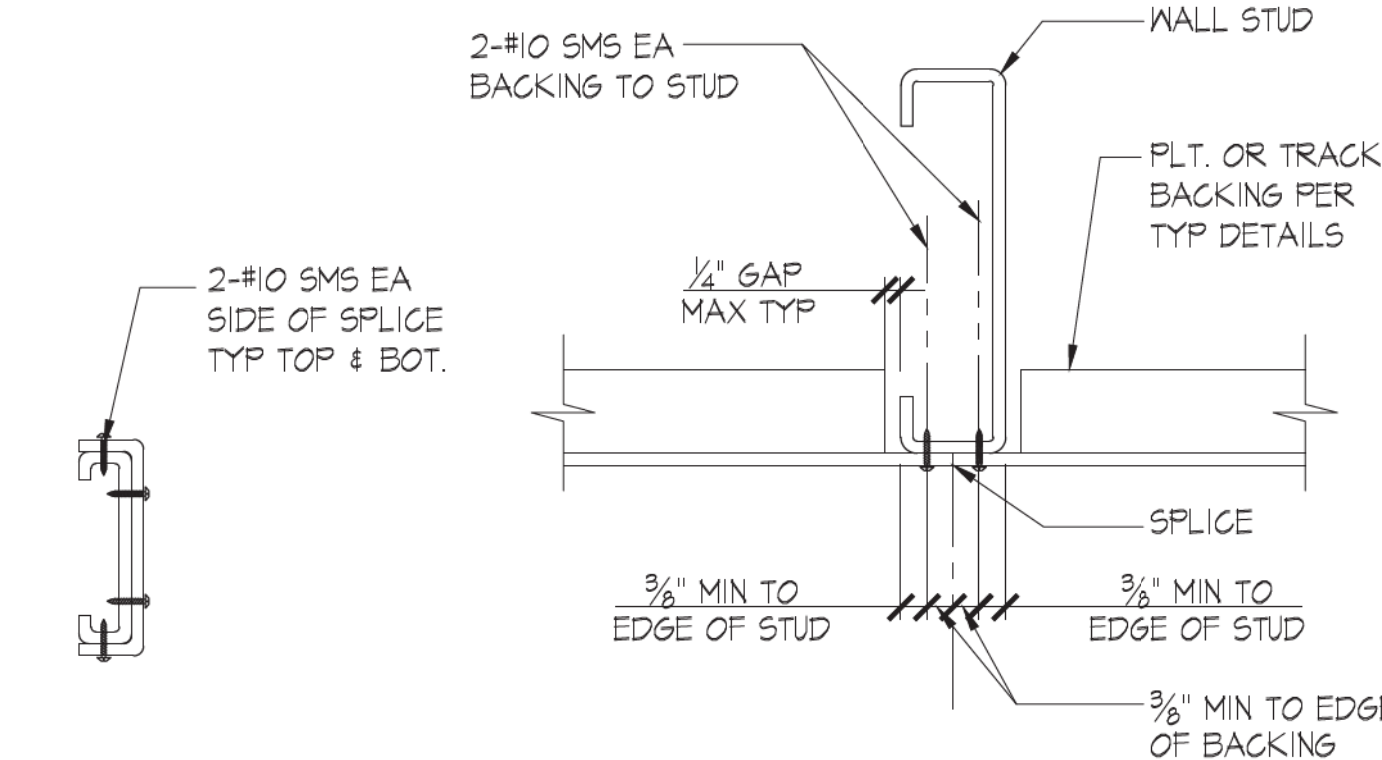
SECTION VIEW B



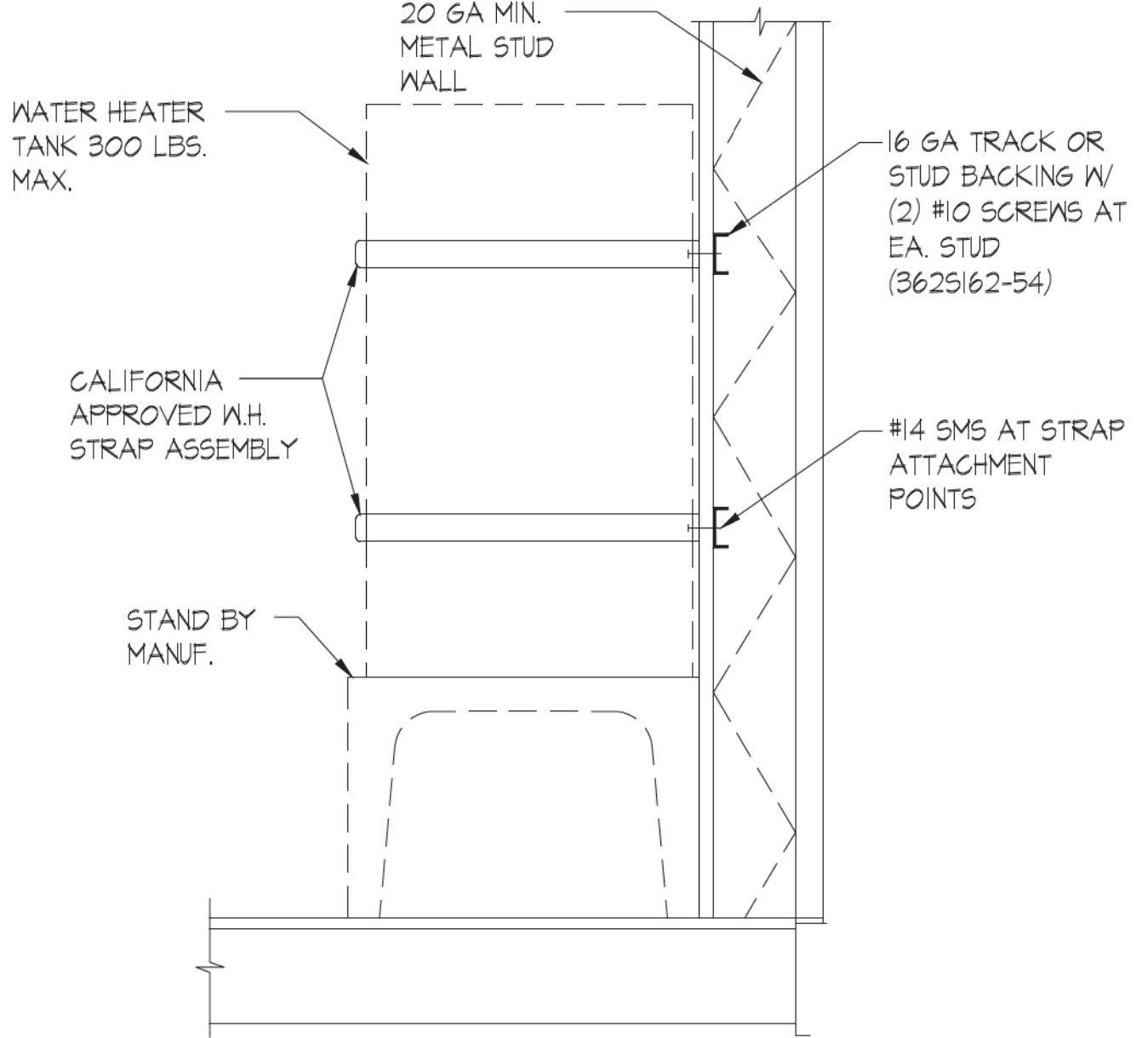
ACCESS HOLE IN FLOOR SCALE: 1" = 1'-0" 17



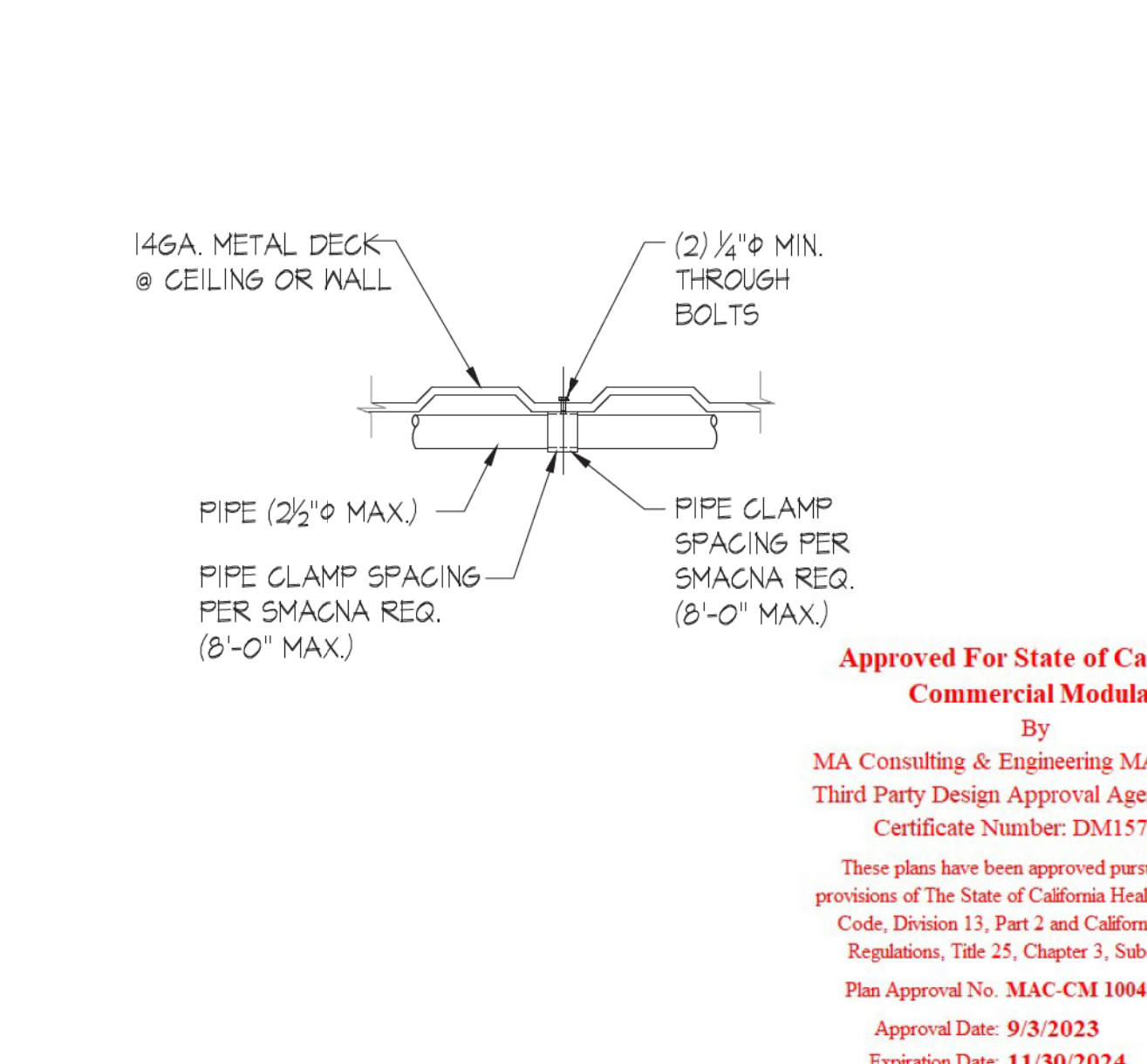
METAL STUD FURRING WALL AT CONTAINER WALL 14



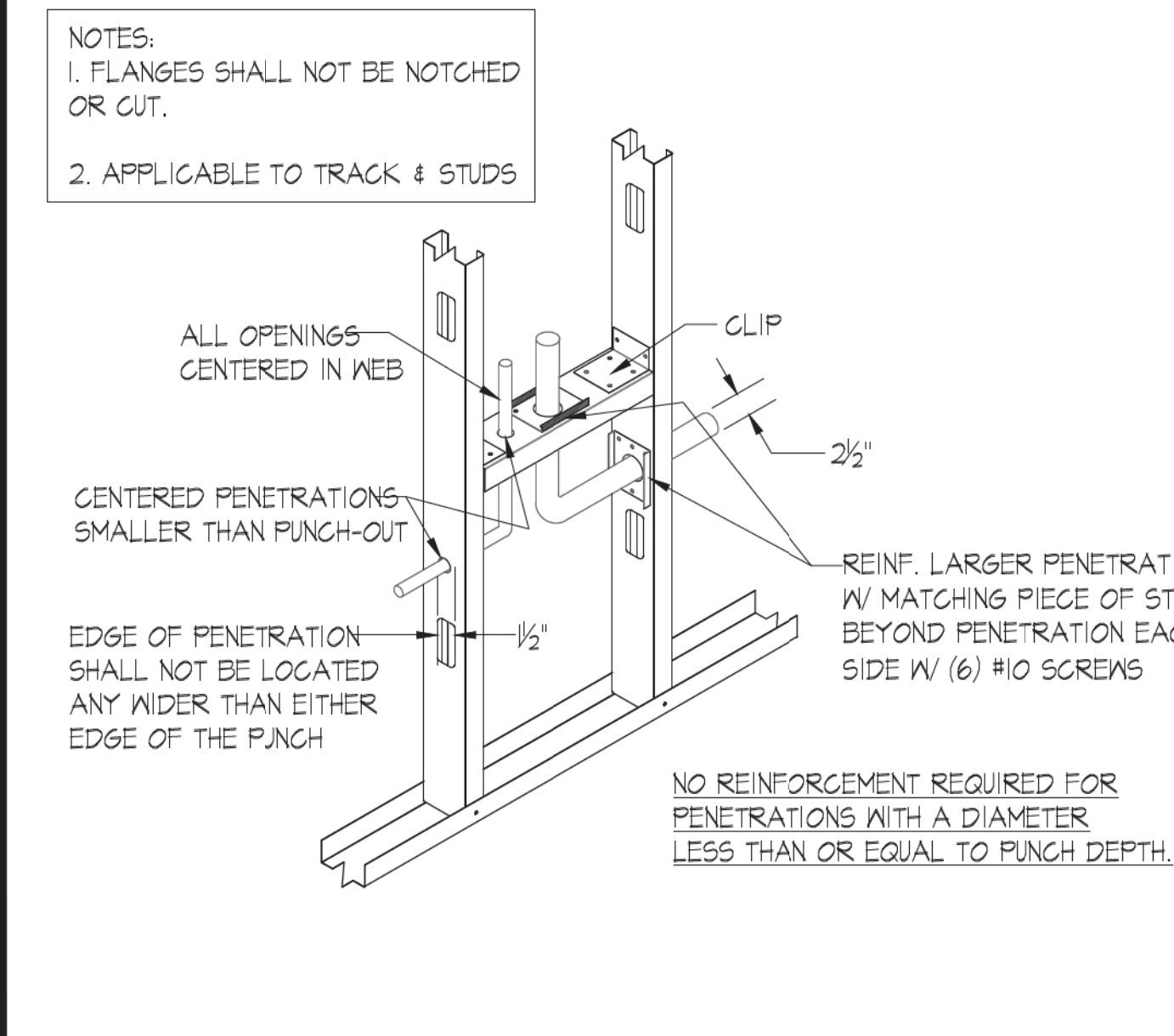
SECTION E PLAN VIEW F



WATER HEATER ANCHORAGE SCALE: 1" = 1'-0" 21



TYP. PIPE CLAMP TO STEEL ATTACHMENT SCALE: 1" = 1'-0" 18



TYPICAL STUD PENETRATION SCALE: 1" = 1'-0" 15

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4271 KENYON AVENUE
LOS ANGELES, CA 90066

CONTACT: JOSEPH JUSTUS
E: JOSEPH@JUSTUS-STUDIO.COM
P: 949-294-2648

STRUCTURAL:
ORION STRUCTURAL GROUP, INC.
223 E. THOUSAND OAKS BLVD., #304
THOUSAND OAKS, CA 91380

ELECTRICAL:
ARB ELECTRIC, INC.
1401 N. EL CAMINO REAL #201
SAN CLEMENTE, CA 92672

MECHANICAL:
VANOVERSEN ENGINEERING CONSULTANTS
4256 DELMONT ST
TEMECULA CA 92591

COMMERCIAL MODULAR MANUFACTURER:
FREE FORM DEVELOPMENT, INC.
1148 INDUSTRIAL AVE.
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CONTACT: ADAM JURELA
E: ADAM@FREEFORMCO.COM
P: 760-801-2384



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20 FOOT CATERING CONTAINER

MODEL: HFCS20-2023CATER
S/N: HFCS-20-2023

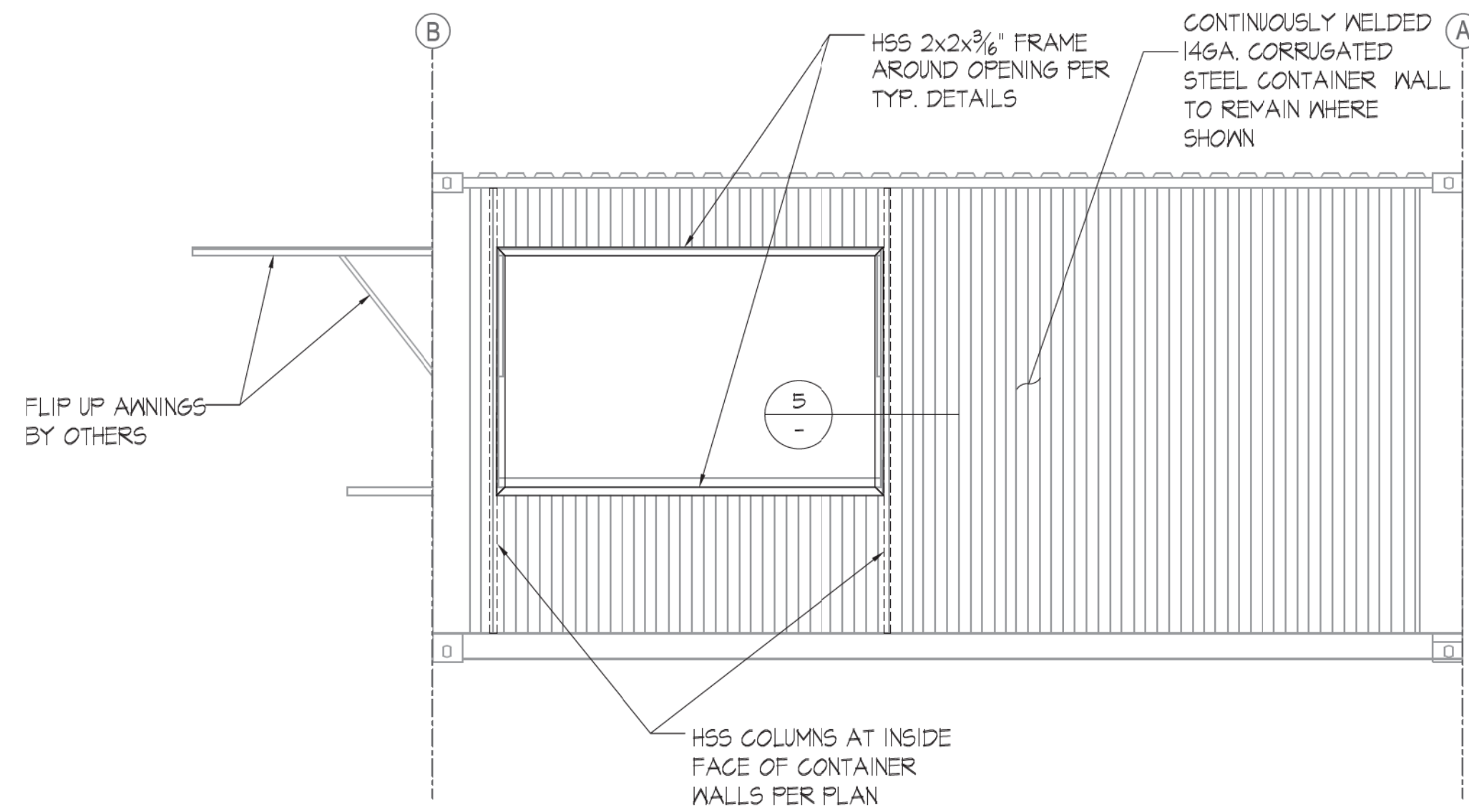
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TYPICAL DETAILS

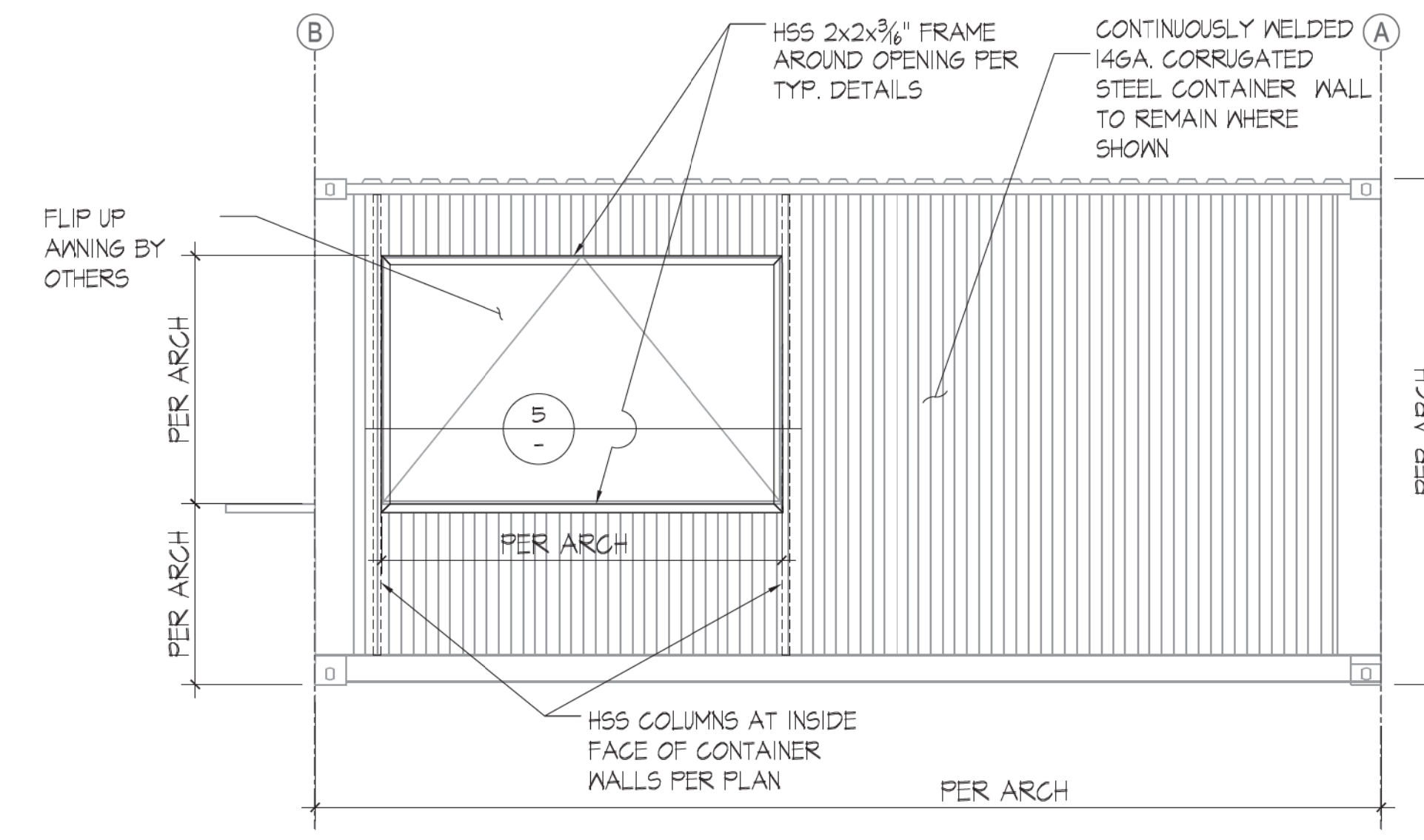
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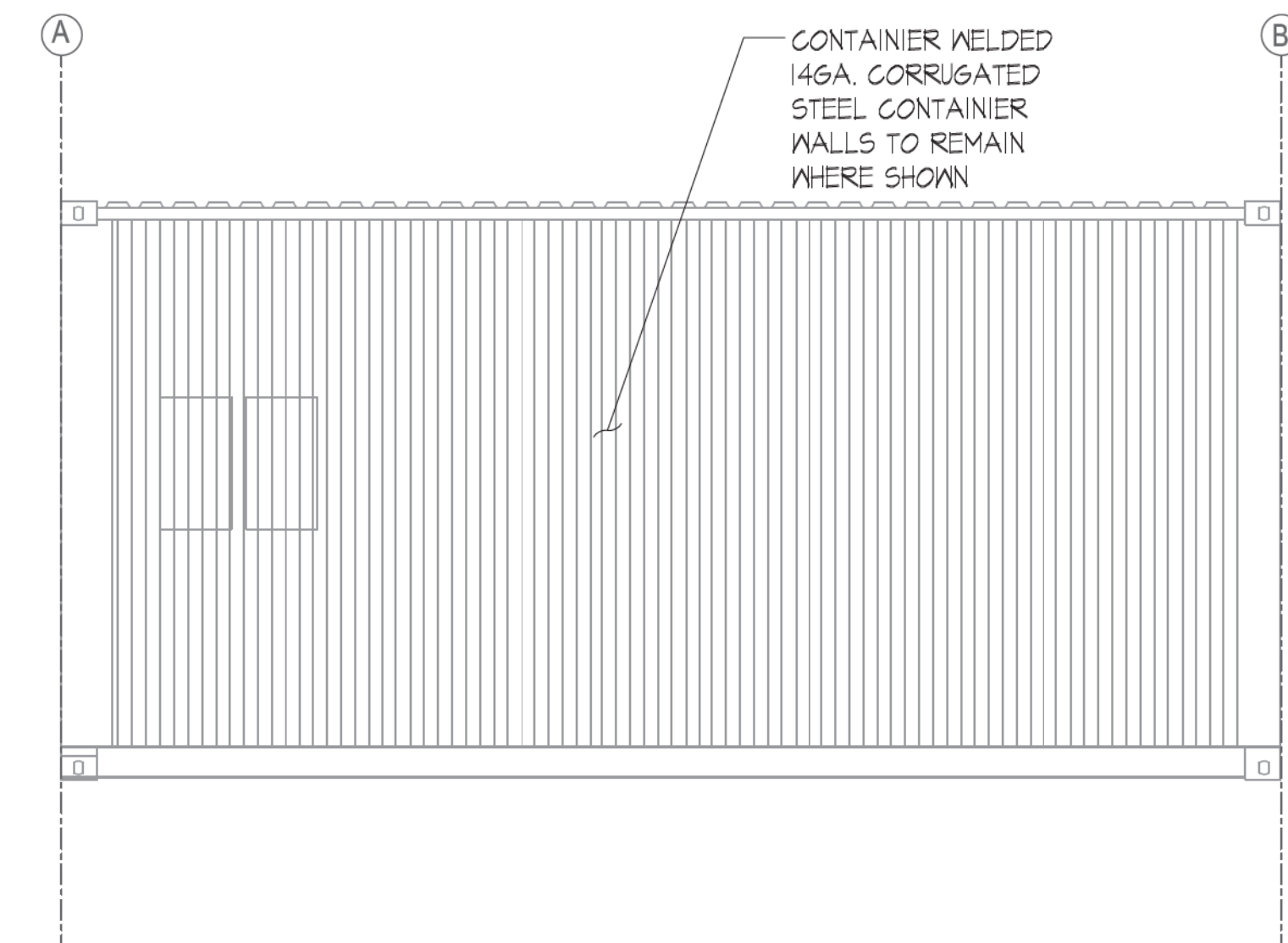
TYPICAL METAL STUD WALL BACK DETAIL SCALE: 1" = 1'-0" 24



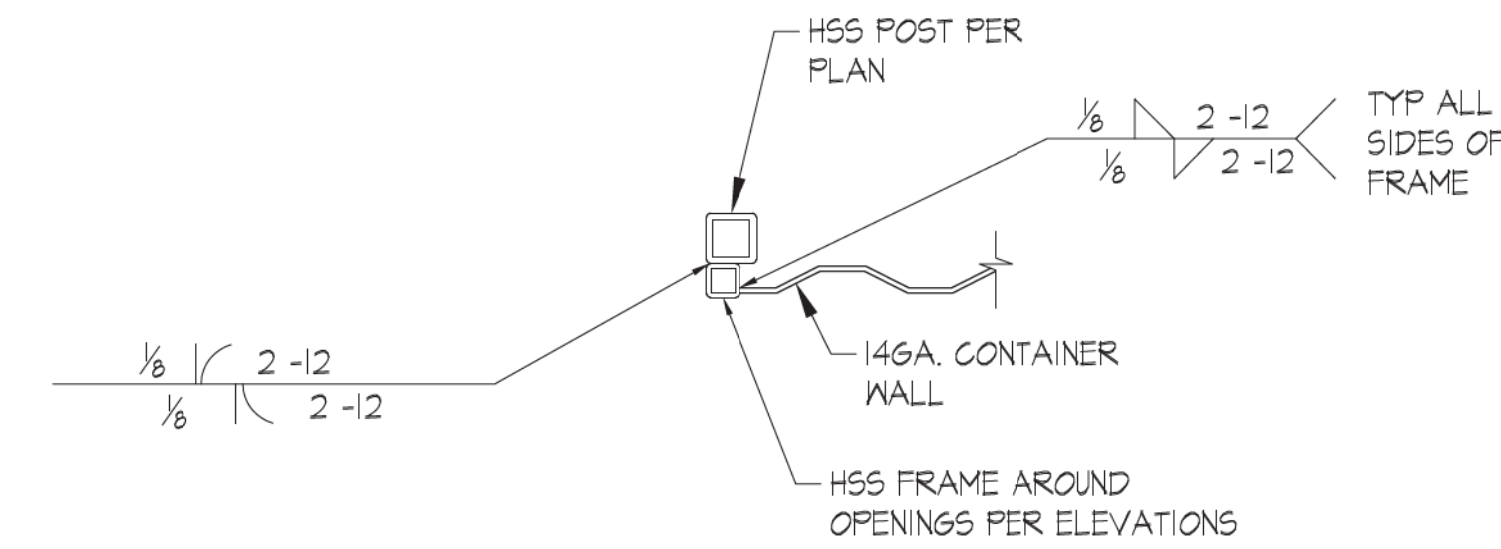
1 SOUTH ELEVATION OPEN
SCALE: 3/8" = 1'-0"



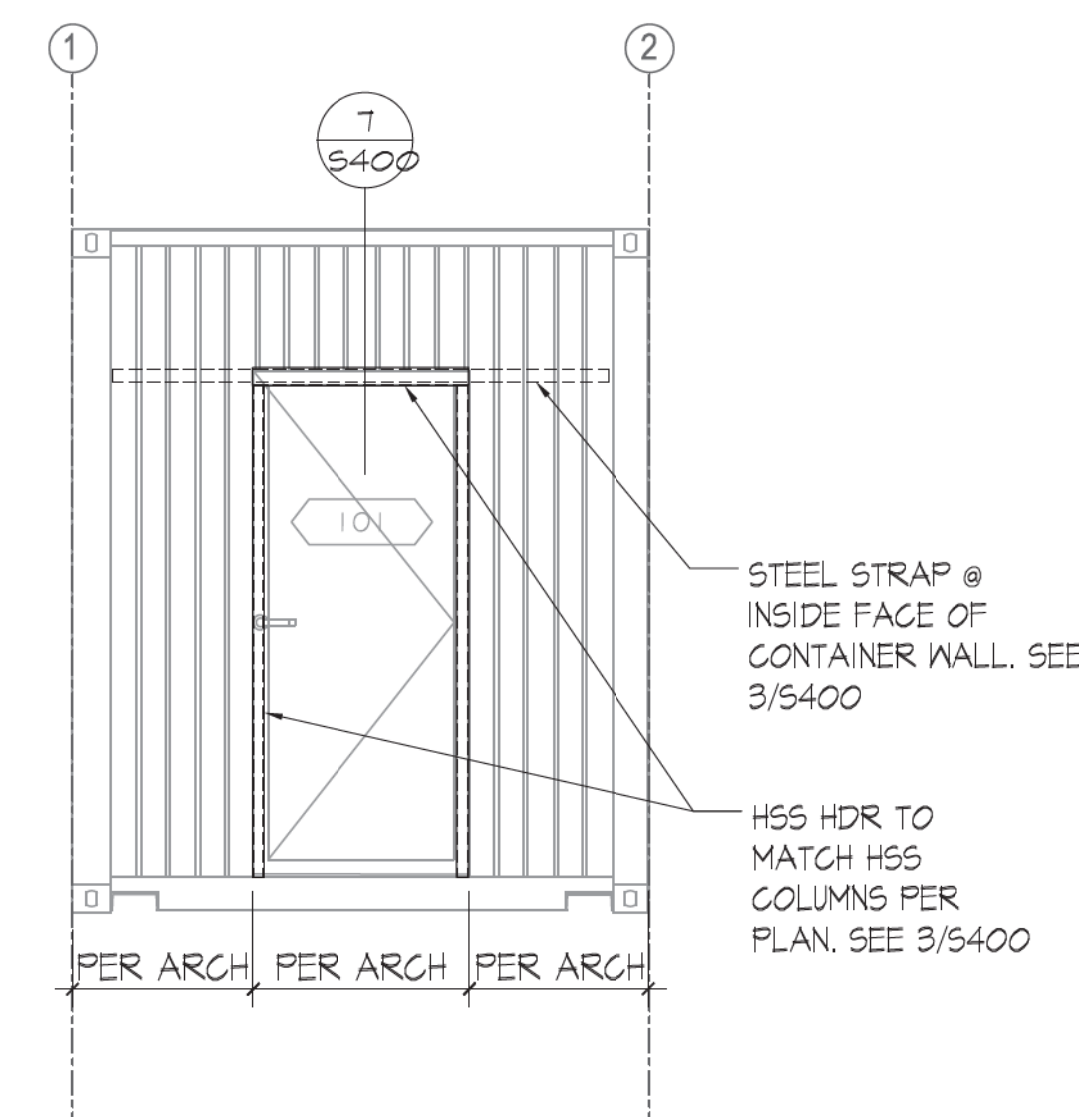
1A SOUTH ELEVATION CLOSED
SCALE: 3/8" = 1'-0"



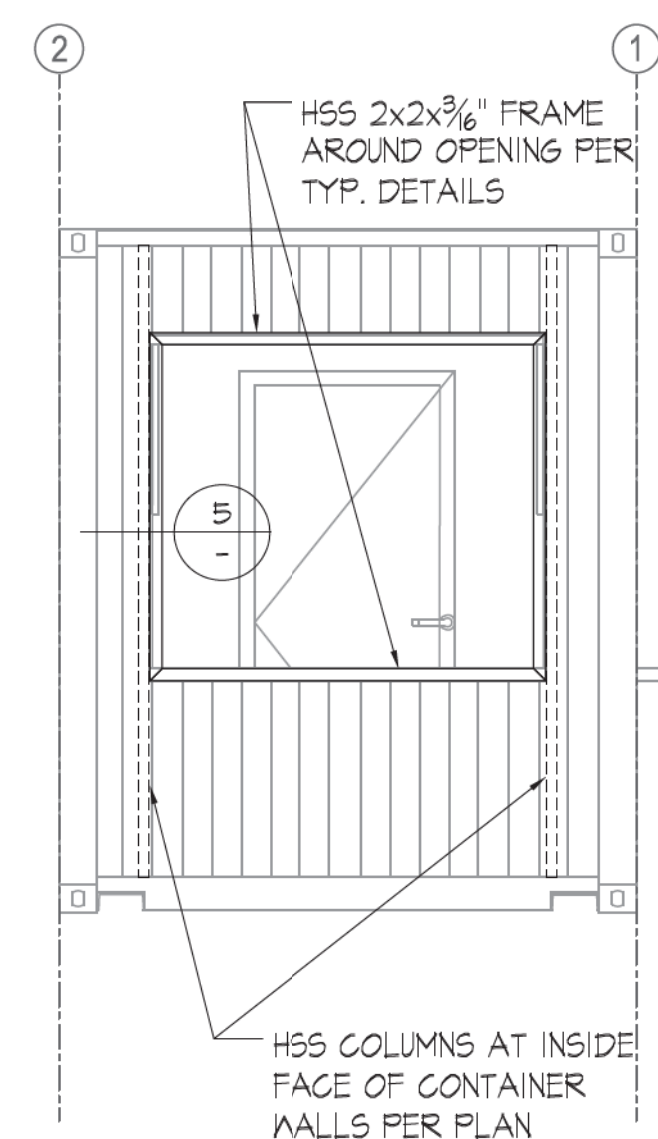
2 NORTH ELEVATION
SCALE: 3/8" = 1'-0"



5 HSS FRAME TO HSS POST WELDS
SCALE: NTS

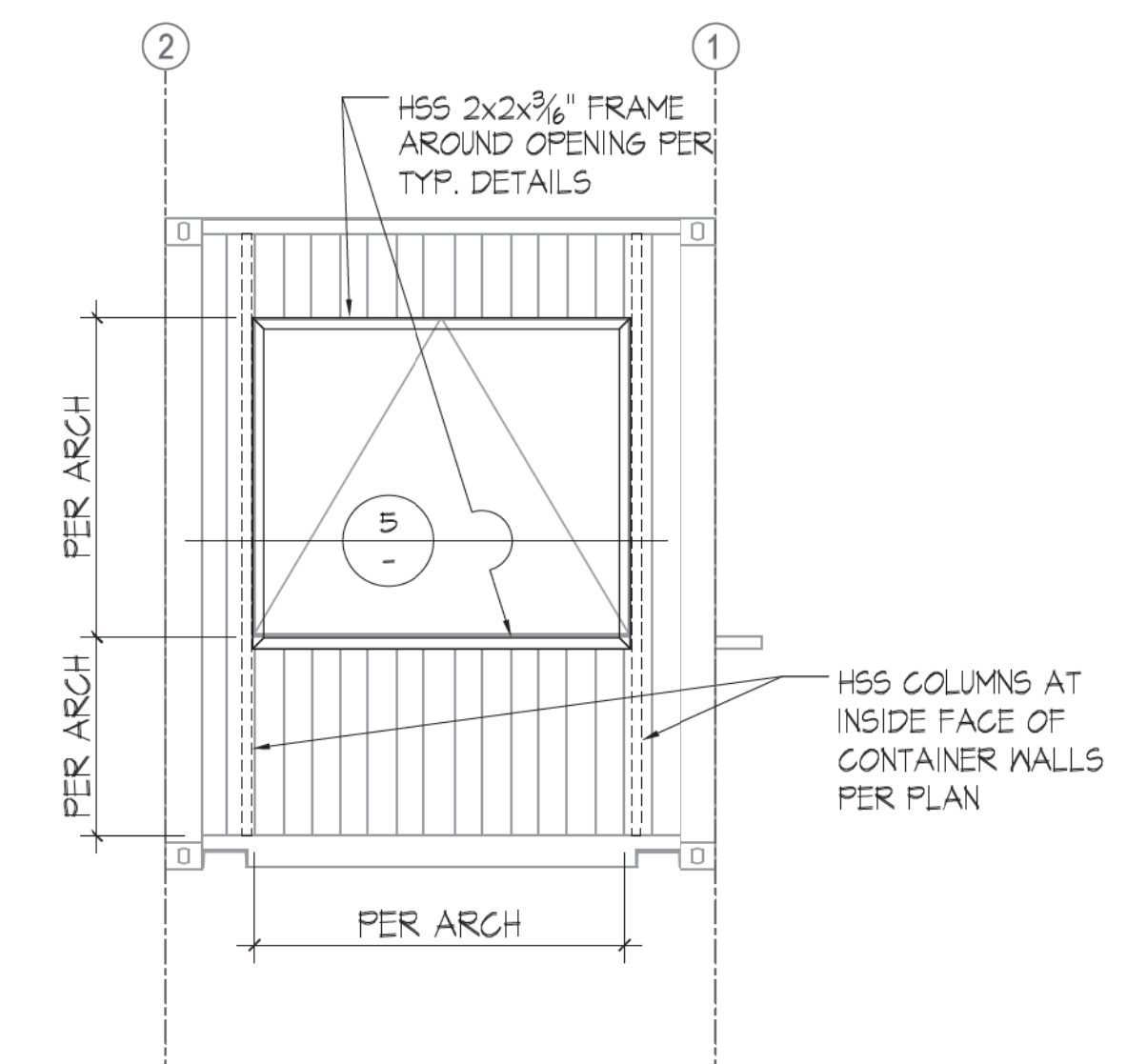


3 WEST ELEVATION
SCALE: 3/8" = 1'-0"



4 EAST ELEVATION OPEN
SCALE: 3/8" = 1'-0"

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4A EAST ELEVATION CLOSED
SCALE: 3/8" = 1'-0"

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E: ADAM@FREEFORMDC.COM
P: 760-801-2384



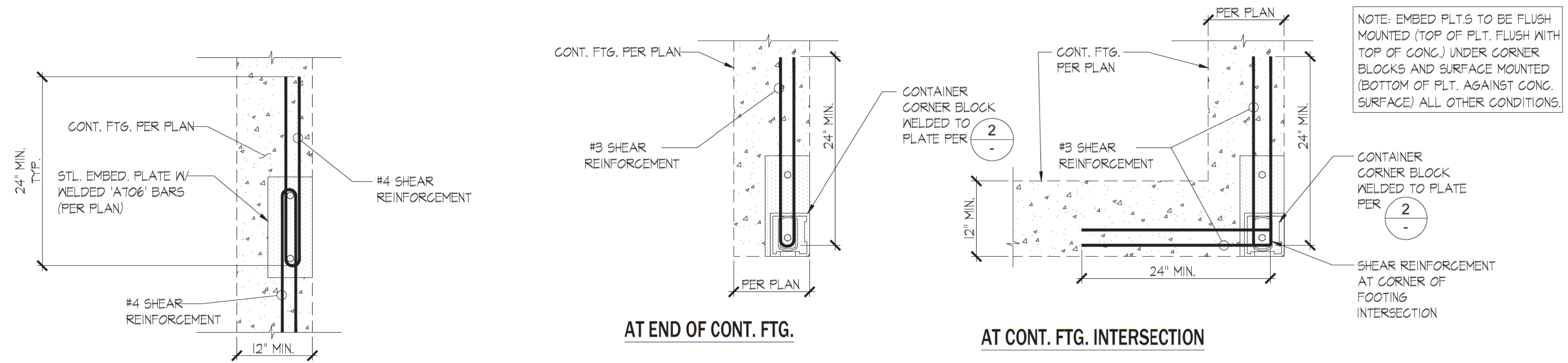
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20 FOOT CATERING CONTAINER
MODEL: HFCS20-2023CATER
S/N: HFCS-20-2023

TITLE
EXTERIOR STRUCTURAL ELEVATIONS

PROJECT
OSG#23309
SCALE
PER PAGE
DRAWN BY
EN/WL
DATE
07/06/2023
SHEET NUMBER
S200
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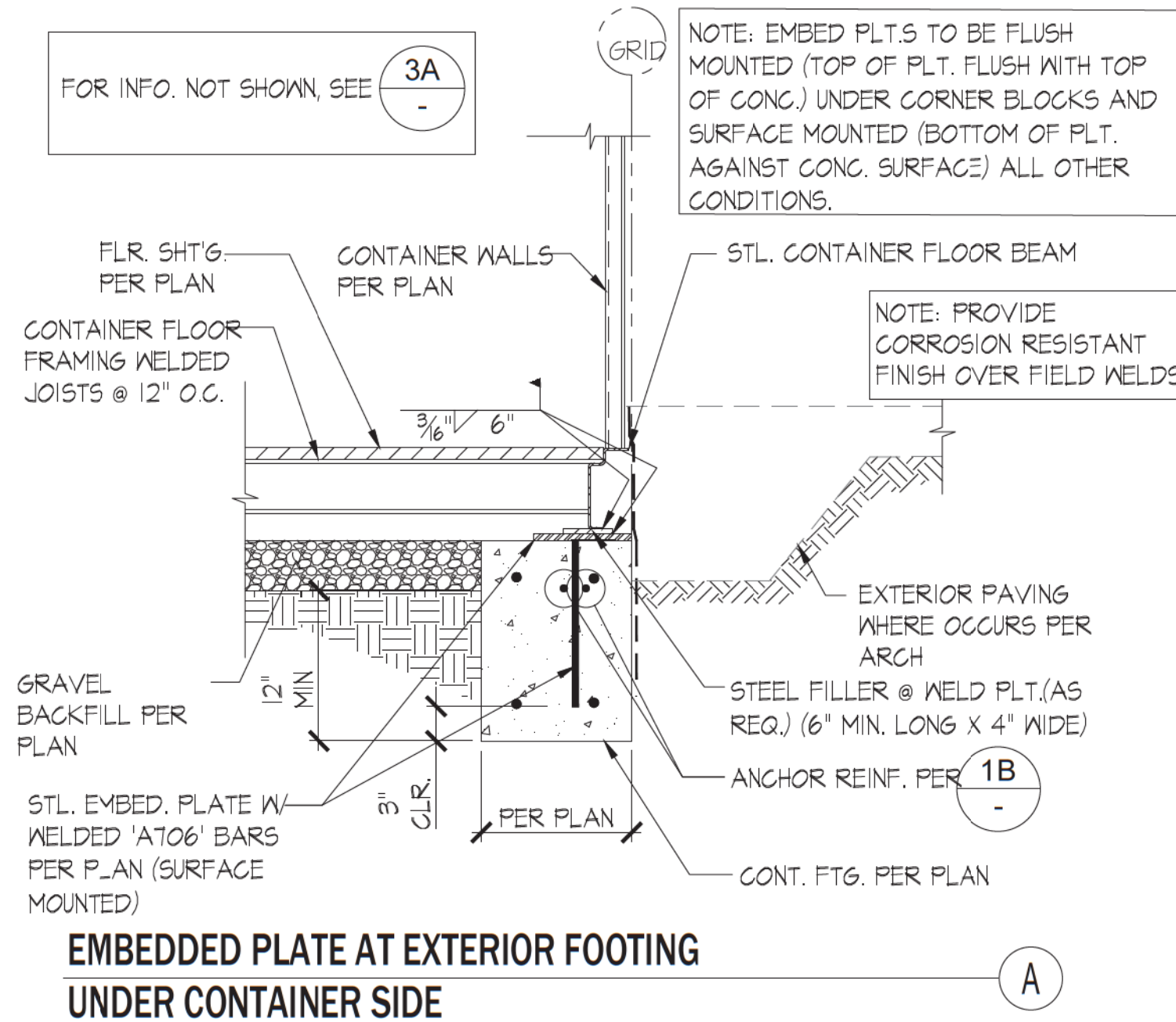


ANCHOR SHEAR REINFORCEMENT AT CONTAINER SIDES

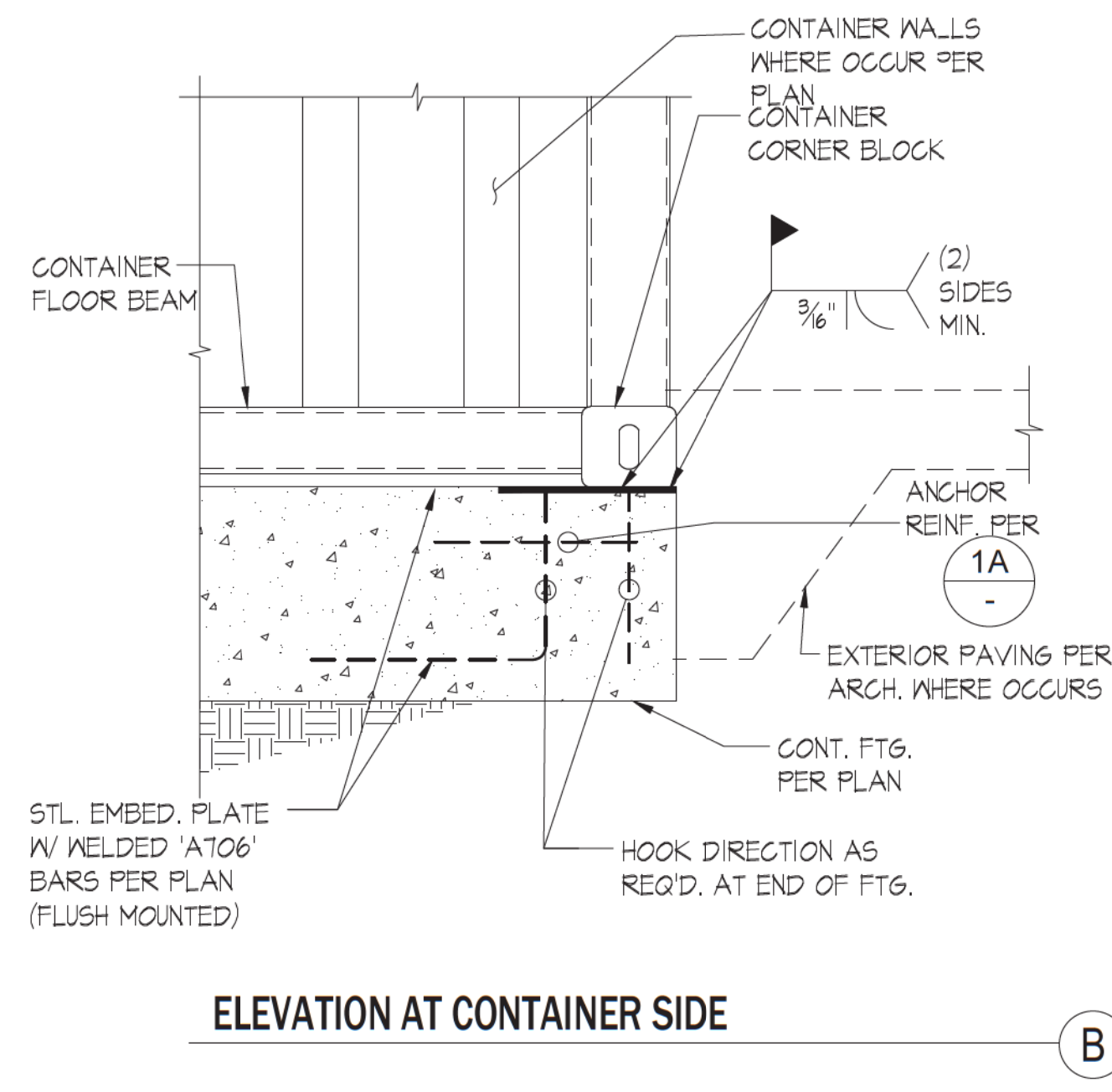
ANCHOR SHEAR REINFORCEMENT AT CONTAINER CORNERS

10 ANCHORAGE SHEAR REINFORCEMENT DETAILS

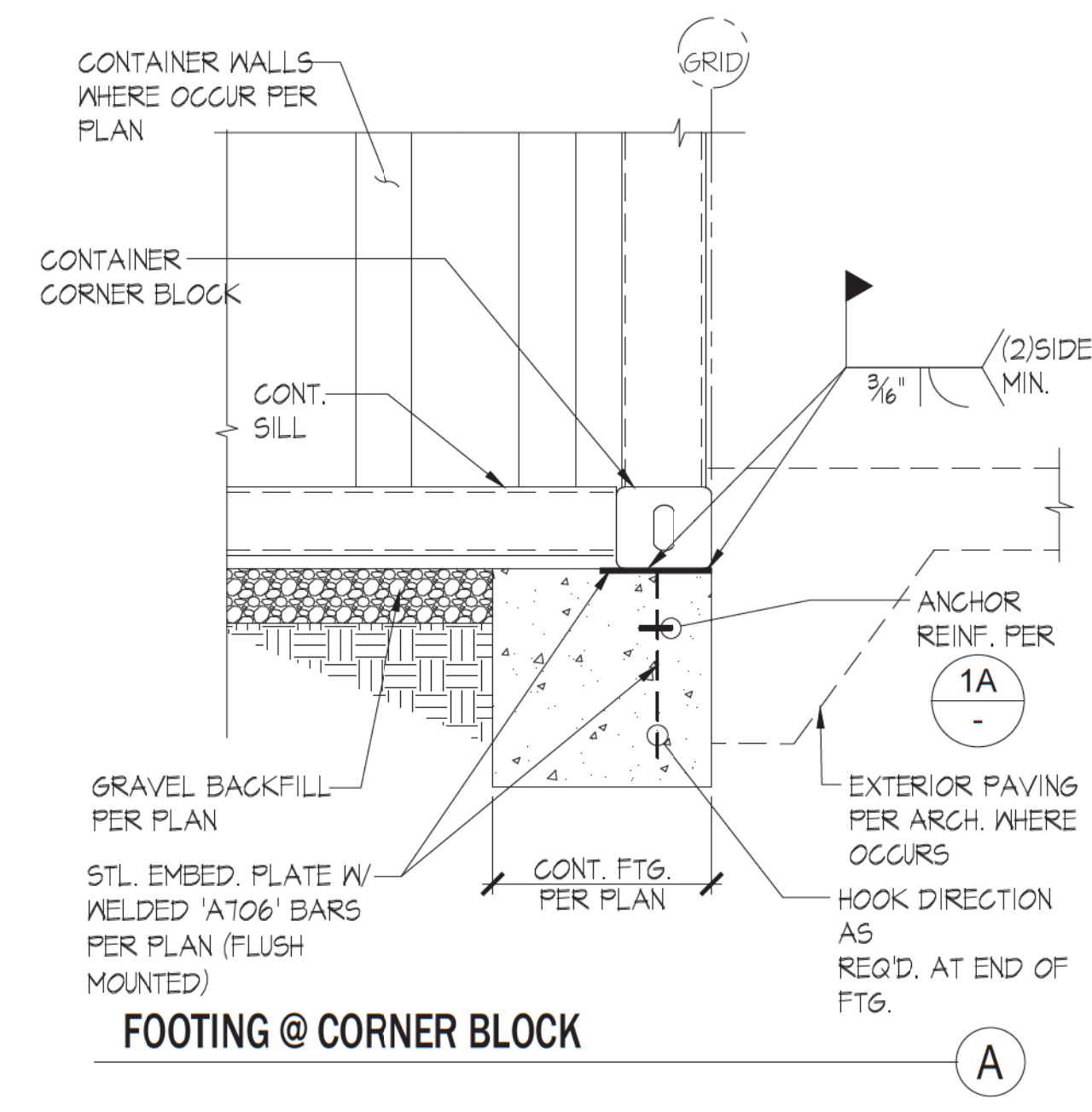
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EMBEDDED PLATE AT EXTERIOR FOOTING UNDER CONTAINER SIDE



ELEVATION AT CONTAINER SIDE



FOOTING @ CORNER BLOCK

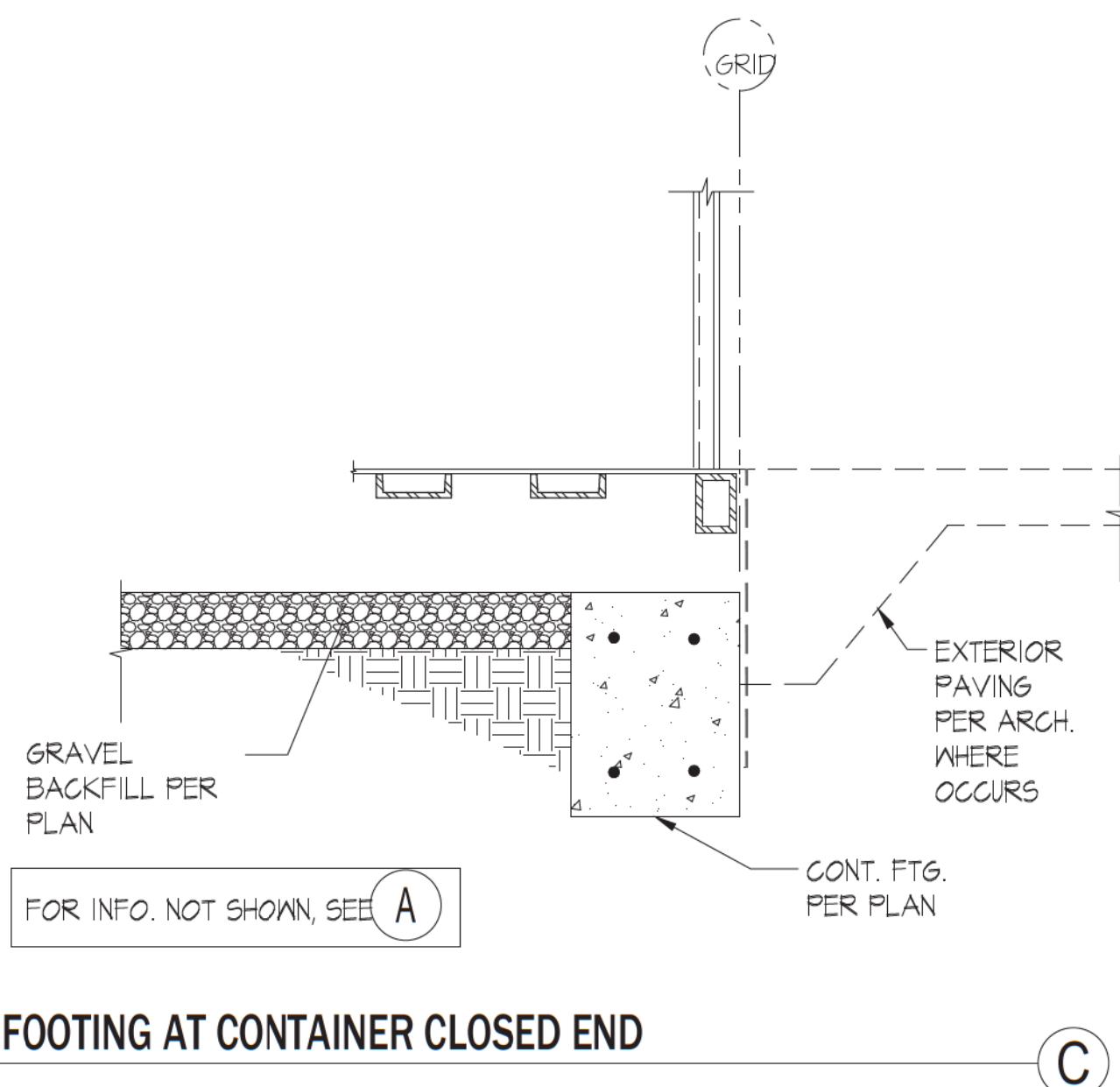
EXTERIOR EMBEDDED PLATES AT CONTAINER SIDE

11 CONTAINER CORNER BLOCK ANCHORAGE

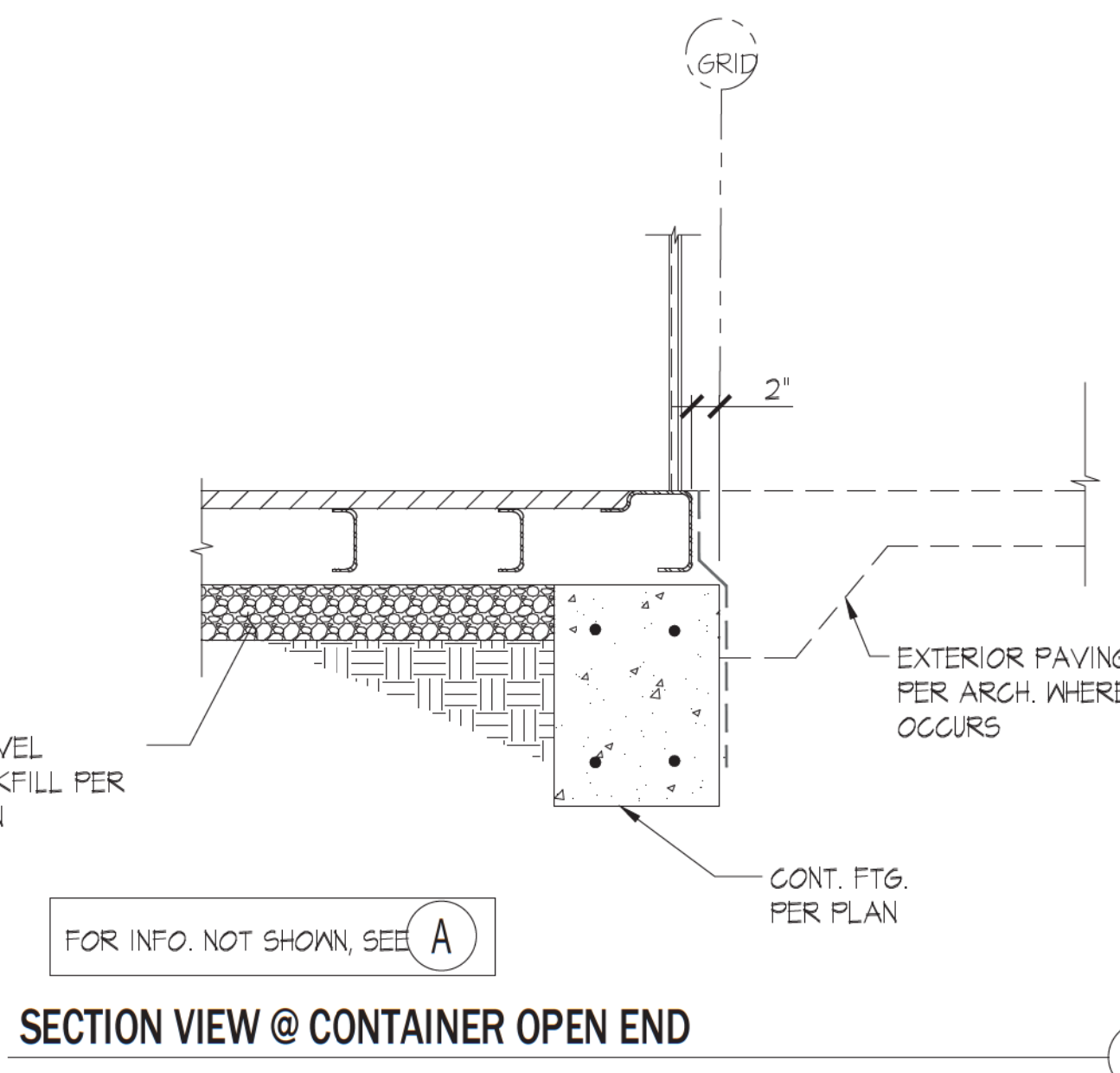
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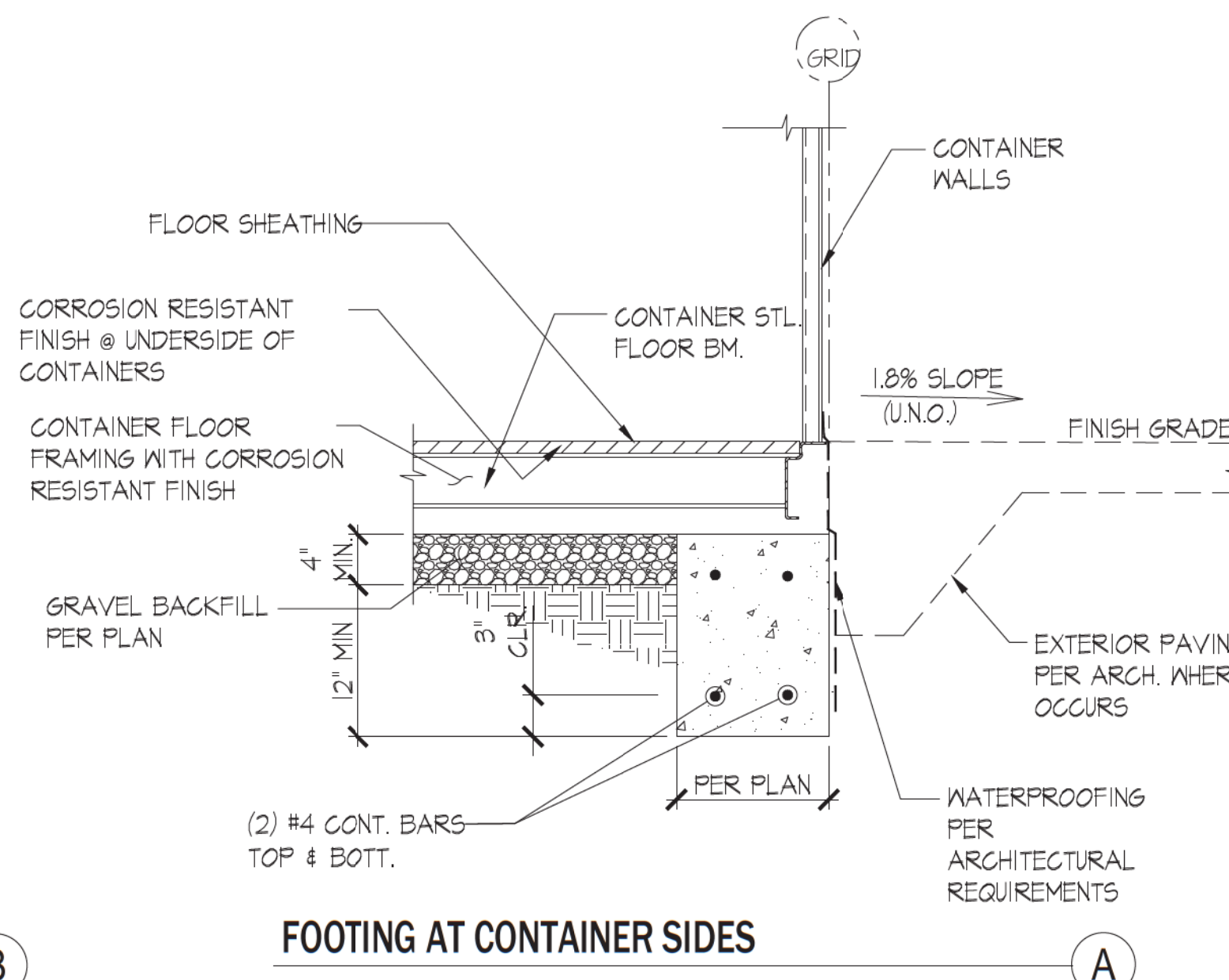
Approved For State of California Commercial Modular By MA Consulting & Engineering MACE, LLC. Third Party Design Approval Agency (DAA) Certificate Number: DM1570821 These plans have been approved pursuant to the provisions of The State of California Health and Safety Code, Division 13, Part 2 and California Code of Regulations, Title 25, Chapter 3, Subchapter 2 Plan Approval No. MAC-CM 10045 Approval Date: 9/3/2023 Expiration Date: 11/30/2024



FOOTING AT CONTAINER CLOSED END



SECTION VIEW @ CONTAINER OPEN END



FOOTING AT CONTAINER SIDES

12 SECTION AT CONTINUOUS FOOTINGS

NOT TO SCALE 3

JUSTUS STUDIO, INC.

OWNER: HOME FED 1903 WRIGHT PL SUITE 220 CARLSBAD, CA 92008

ARCHITECT: JUSTUS STUDIO, INC. 4271 KENYON AVENUE LOS ANGELES, CA 90066

CONTACT: JOSEPH JUSTUS E: JOSEPH@JUSTUS-STUDIO.COM P: 949-294-2648

STRUCTURAL: ORION STRUCTURAL GROUP, INC. 233 E. THOUSAND OAKS BLVD., #304 THOUSAND OAKS, CA 91380

ELECTRICAL: ARB ELECTRIC, INC. 1401 N. EL CAMINO REAL #201 SAN CLEMENTE, CA 92672

MECHANICAL: VANDERBEEK ENGINEERING CONSULTANTS 42056 DELMONT ST TEMECULA CA 92591

COMMERCIAL MODULAR MANUFACTURER: FREE FORM DEVELOPMENT, INC. 1148 INDUSTRIAL AVE. ESCONDO, CA 92029

CONTACT: ADAM JURBELA E: ADAM@FREEFORMDC.COM P: 760-801-2384



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20 FOOT CATERING CONTAINER

MODEL: HFCS20-2023CATER S/N: HFCS-20-2023

TITLE

STRUCTURAL DETAILS

PROJECT: OS#23309

SCALE: PER PAGE

DRAWN BY: EN/WL

DATE: 07/06/2023

SIZE: 36"x24"

SHEET NUMBER

S300

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OWNER:
HOME FED
1903 WRIGHT PL
SUITE 220
CARLSBAD, CA 92008

ARCHITECT:
JUSTUS STUDIO, INC.
4271 KENYON AVENUE
LOS ANGELES, CA 90066

CONTACT: JOSEPH JUSTUS
E: JOSEPH@JUSTUS-STUDIO.COM
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SAN CLEMENTE, CA 92672

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42056 DELMONT ST
TAMECULA CA 92691

COMMERCIAL MODULAR MANUFACTURER:
FREE FORM DEVELOPMENT, INC.
1148 INDUSTRIAL AVE.
ESCONDIDO, CA 92029

CONTACT: ADAM JURELA
E: ADAM@FREEFORMDC.COM
P: 760-801-2384



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20 FOOT CATERING CONTAINER

MODEL: HFCS20-2023CATER
S/N: HFCS-20-2023

TITLE

STRUCTURAL DETAILS

Approved For State of California Commercial Modular
By
MA Consulting & Engineering MACE, LLC.
Third Party Design Approval Agency (DAA)
Certificate Number: DM1570821

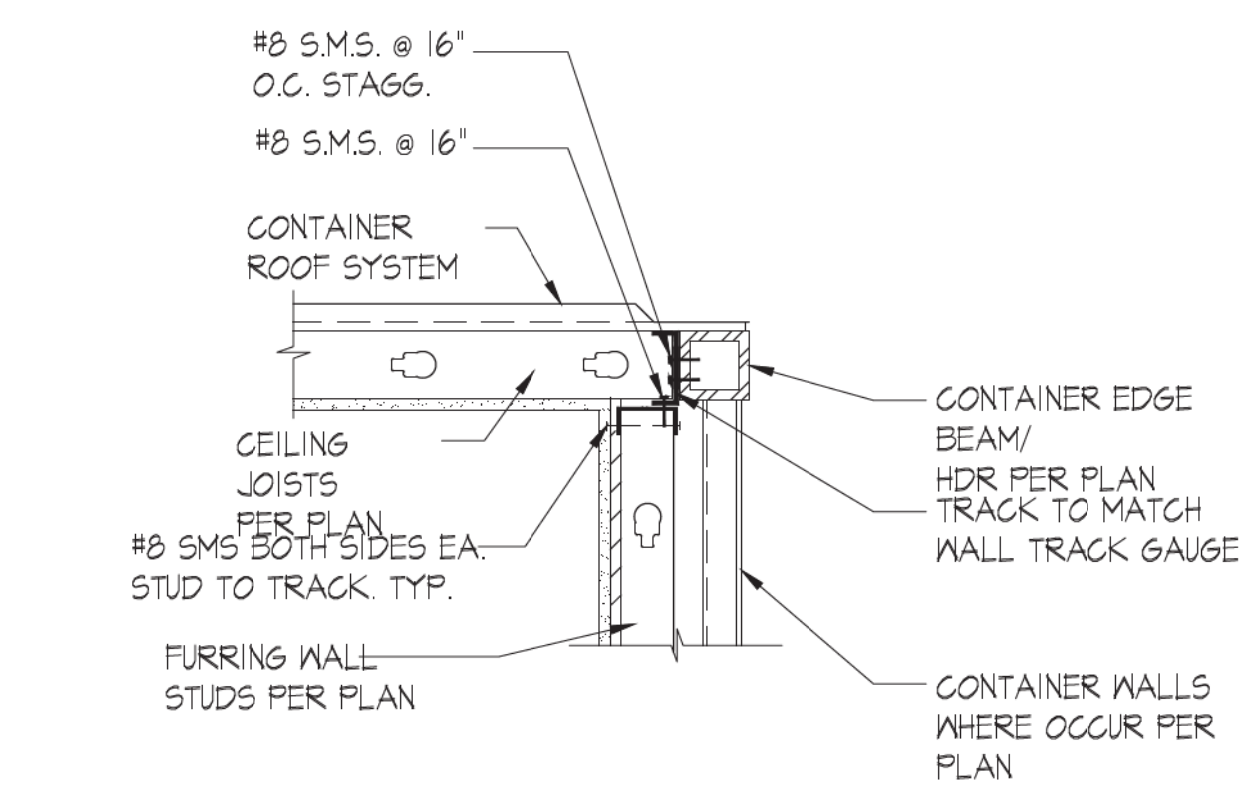
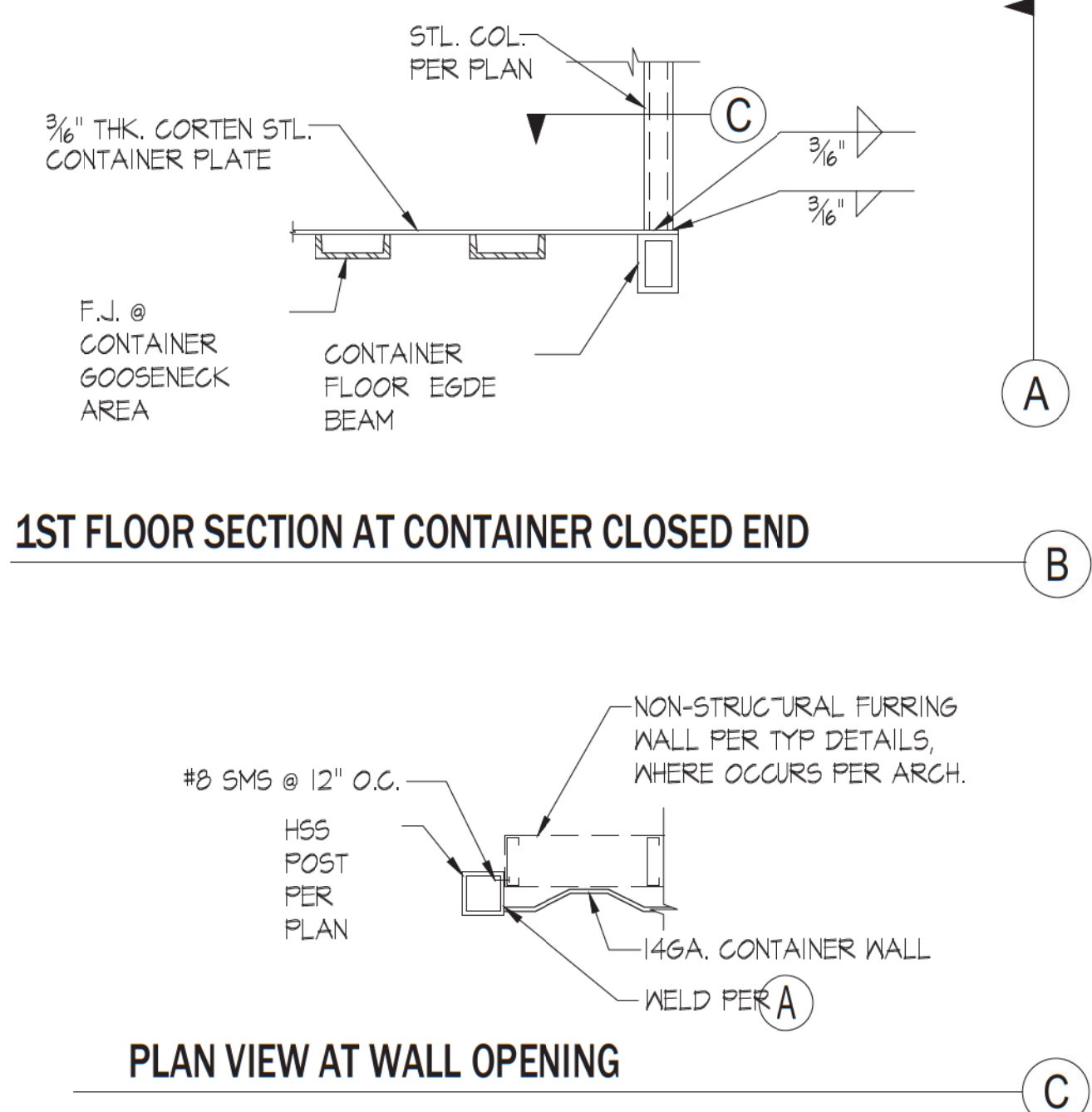
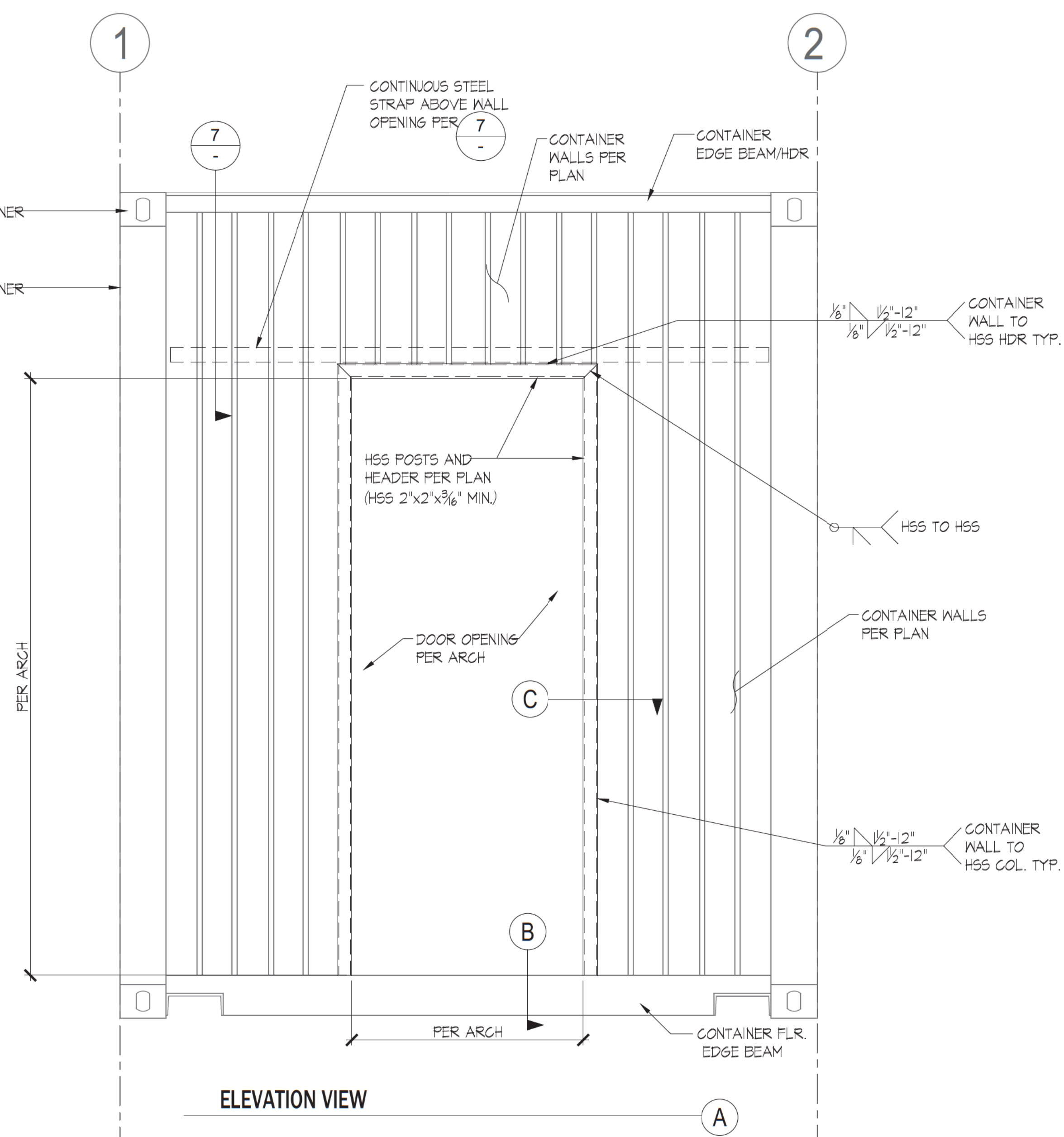
These plans have been approved pursuant to the provisions of The State of California Health and Safety Code, Division 13, Part 2 and California Code of Regulations, Title 25, Chapter 3, Subchapter 2

Plan Approval No. **MAC-CM 10045**
Approval Date: **9/3/2023**
Expiration Date: **11/30/2024**

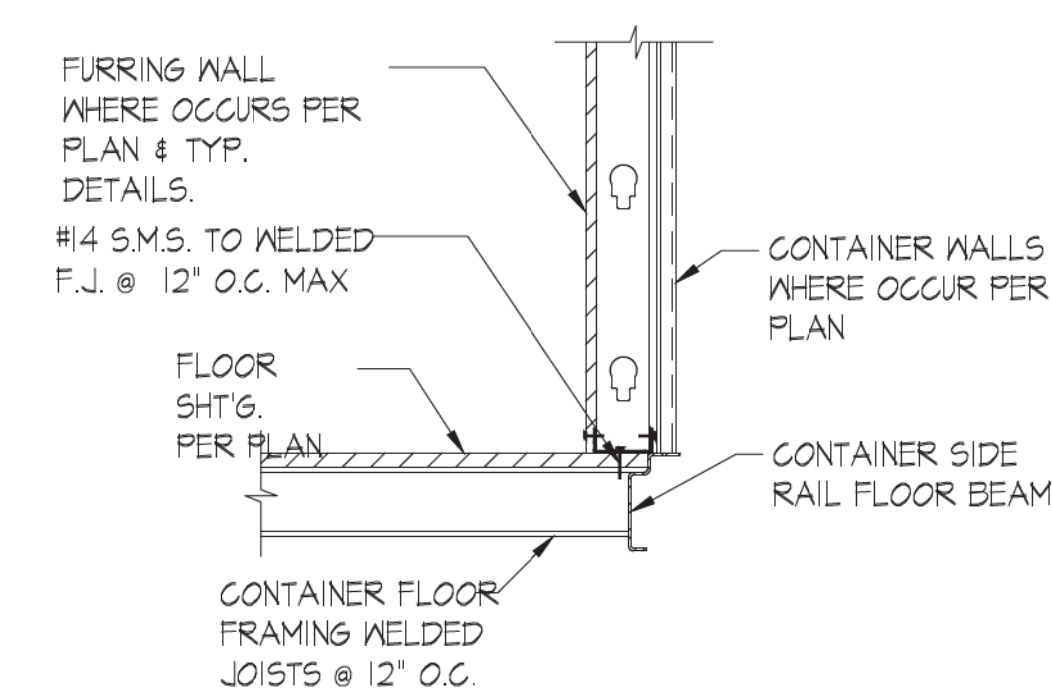
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DATE: 07/06/2023
SIZE: 36"x24"

SHEET NUMBER: **S400**

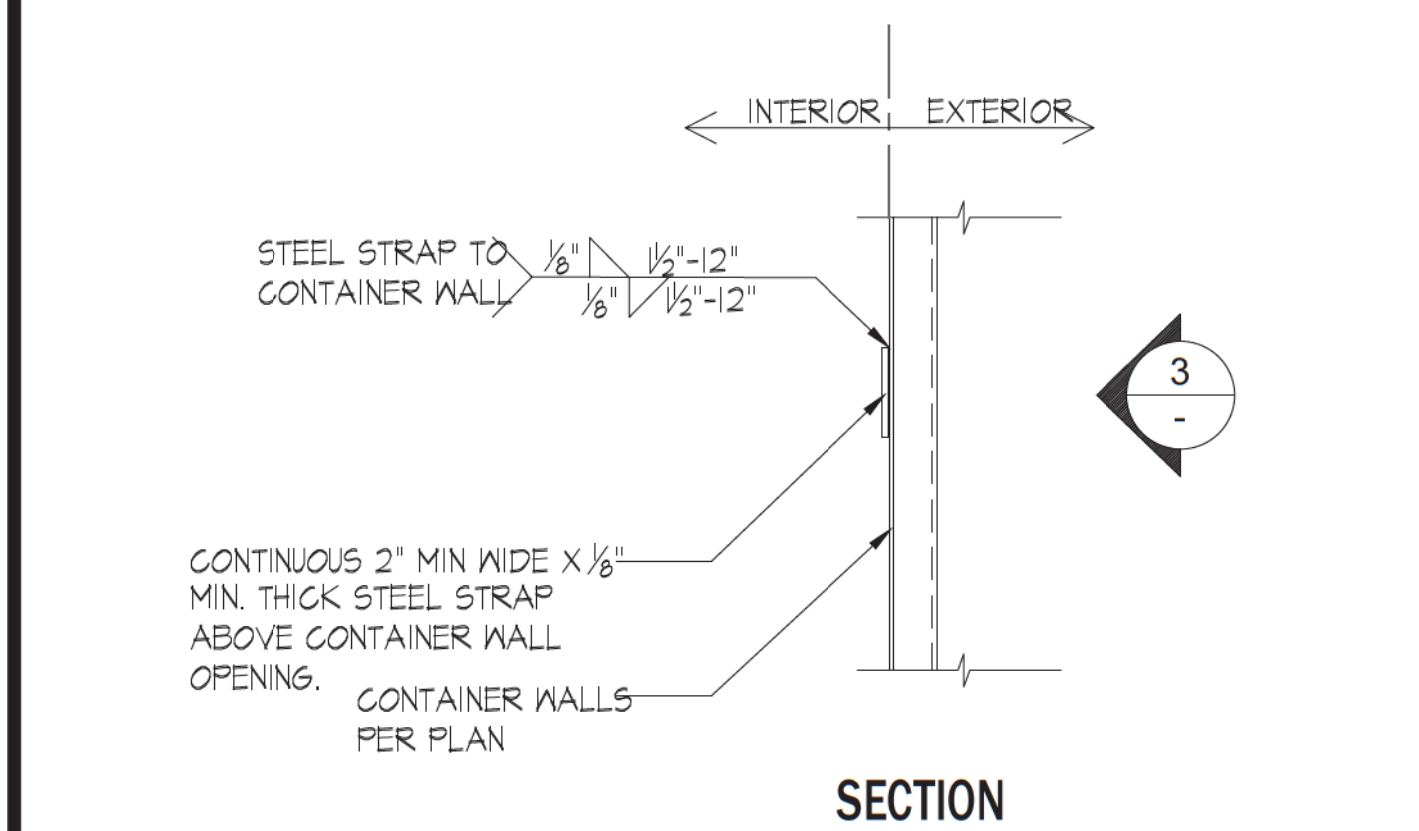
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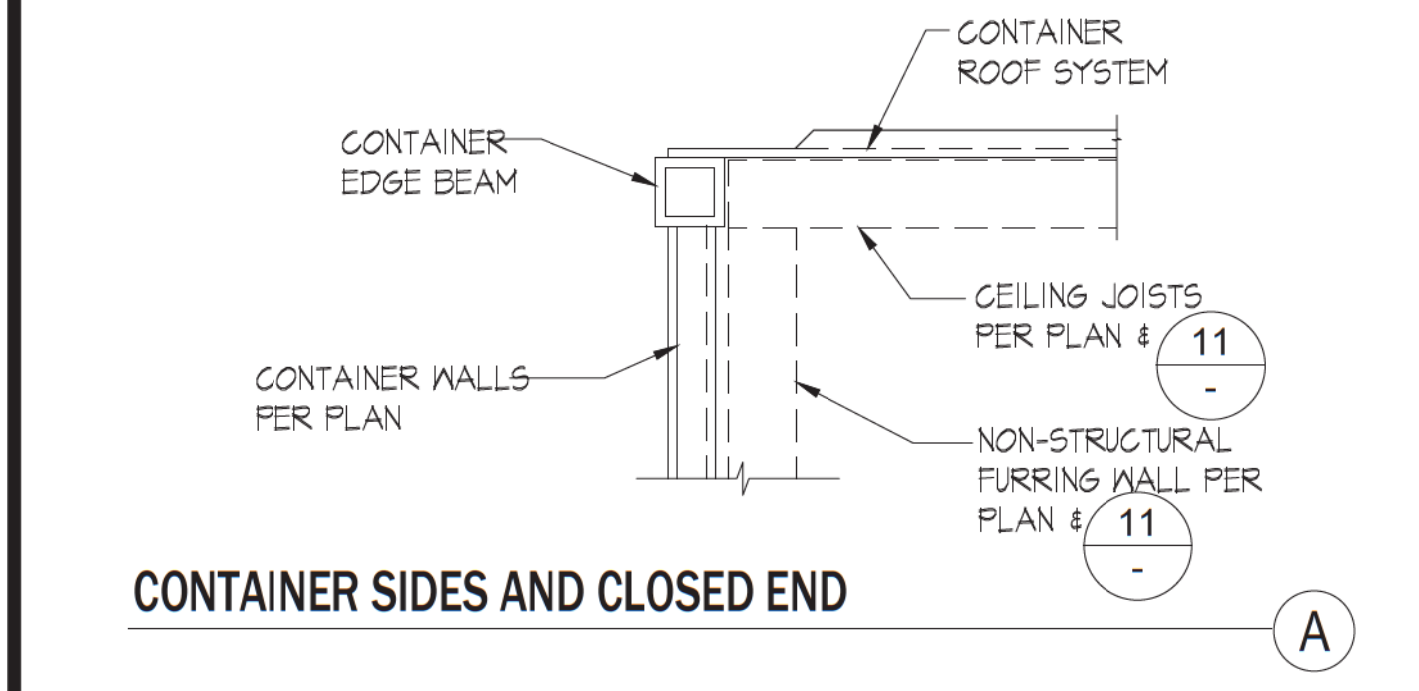
TOP OF WALL & C.J. CONNECTIONS A



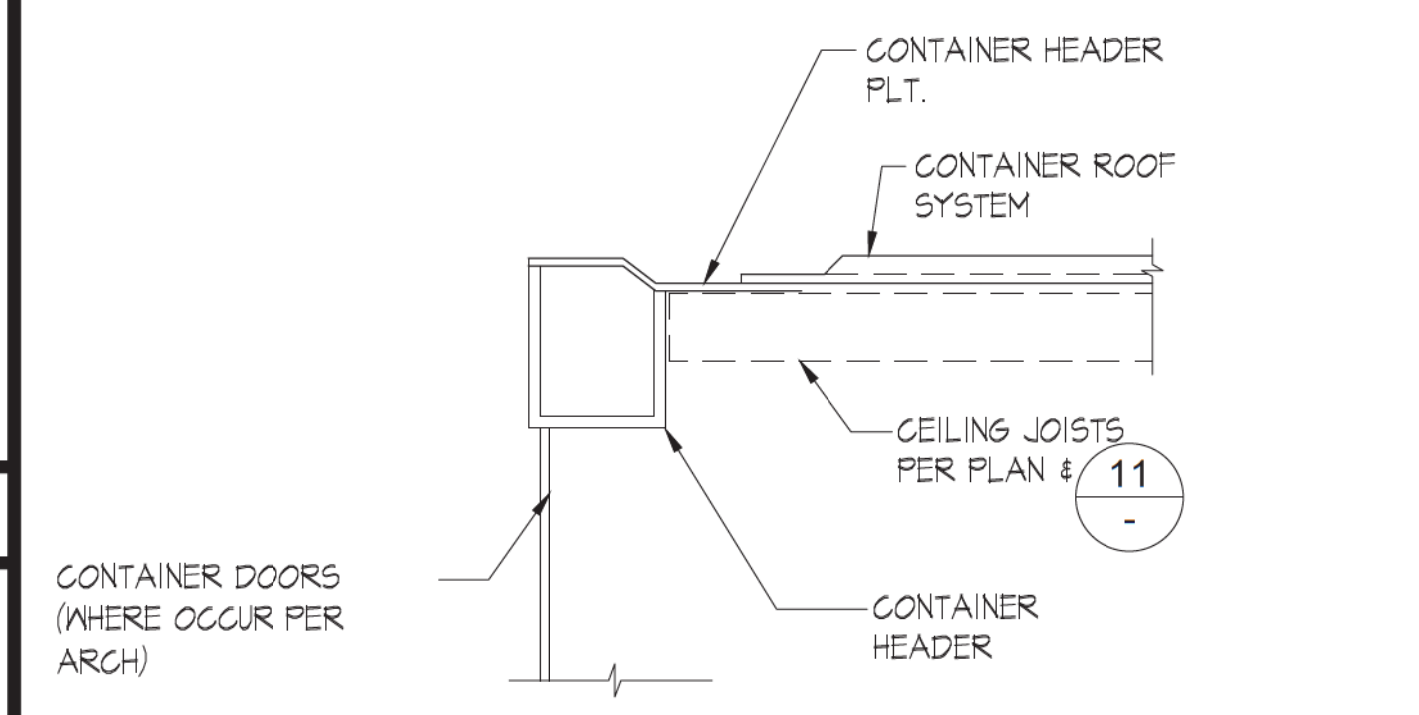
BOTTOM OF WALL CONNECTIONS B



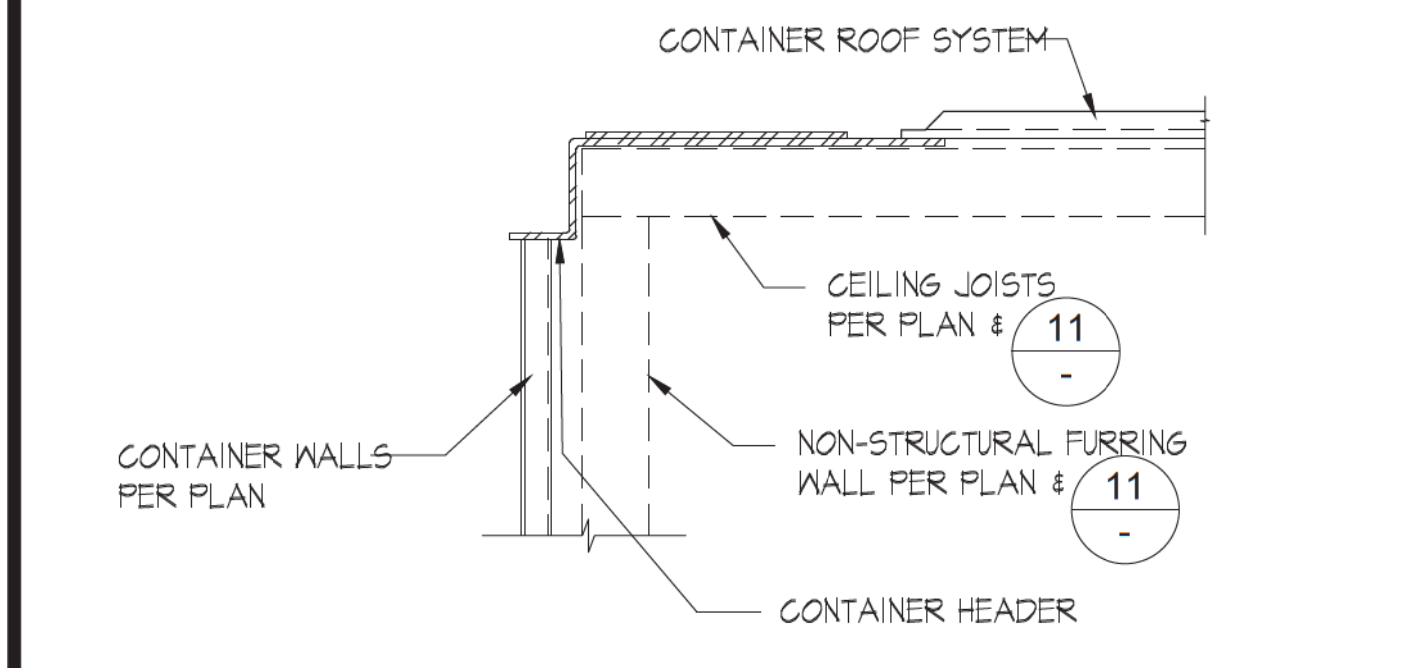
STEEL STRAP ABOVE DOOR OPENING NOT TO SCALE 7



CONTAINER SIDES AND CLOSED END A



CONTAINER OPEN END B



CONTAINER CLOSED END WHERE BENT PLATE HEADER OCCURS C

SECTION AT CONTAINER ROOF NOT TO SCALE 9

HSS FRAMING AND STEEL STRAP AT EXTERIOR WALL OPENING NOT TO SCALE 3

NOT USED

TYP. MTL. STUD FURRING WALLS AND CEILING JOISTS NTS 11

COMMON AREA LUMINAIRE SCHEDULE

| TYPE | SYMBOL | VOLTS | WATTAGE | LAMPS | FIXTURE DESCRIPTION | MANUFACTURER | CATALOG # |
|------|--------|-------|---------|-----------------|--|--|---|
| ① F1 | | 120V | 25 | LED 5000K 90CRI | 4' SURFACE MOUNTED LED STRIP FIXTURE WITH BUILT-IN OCCUPANCY SENSOR | LITHONIA ZLIN | ZLIN-L48-5000LM-L/LENS-120-50K-90CRI-PLR-LSXR-WG248 |
| ① F2 | | 120V | 12 | LED 5000K 90CRI | WALL SCONCE EMERGENCY LIGHT | C-LITE E-CONOUGHT | C-EE-A-EMG-DEC |
| EX | | 120 | 3.1 | LED RED | LED EXIT SIGN FIXTURES SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED AT ALL TIMES. FURNISH WITH AN EMERGENCY BACK-UP BATTERY CAPABLE OF 90-MIN. OF UNINTERRUPTED OPERATION | LITHONIA PRECISE COLLECTION EDGE LIT EXIT LIGHTS LRP | LRP-1-RC-120-TM |

① SHADED FIXTURE INDICATES EGRESS FIXTURE WITH 90 MIN. BATTERY BACKUP. SEE GENERAL LIGHTING NOTES FOR ADDITIONAL INFORMATION

SHEET INDEX:

- E-001 ELECTRICAL SYMBOLS, LEGEND AND NOTES
- E-001A ELECTRICAL SYMBOLS, LEGEND AND NOTES
- E-002 TITLE 24 COMPLIANCE FORMS
- E-003 TITLE 24 COMPLIANCE FORMS
- E-010 SINGLE LINE DIAGRAM, PANEL SCHEDULES AND CALCULATIONS
- E-110 POWER / LIGHTING PLANS
- E-111 EMERGENCY LIGHTING PHOTOMETRIC PLAN
- E-111 GENERAL LIGHTING PHOTOMETRIC PLAN
- E-201 ELECTRICAL GENERAL DETAILS
- E-202 LIGHTING CONTROL DETAILS
- E-203 LIGHTING CONTROL DETAILS

ELECTRICAL SYMBOLS

| | |
|--|---|
| | LIGHT SWITCH, 120V/20A, MOUNT 48" A.F.F. (U.N.O.) |
| | 3-WAY LIGHT SWITCH, 4-WAY LIGHT SWITCH |
| | DUPLEX RECEPTACLE, 120V/20A, MOUNT 15" A.F.F. (U.N.O.) |
| | SWITCHED DUPLEX RECEPTACLE |
| | 250 VOLT, 50 AMP RECEPTACLE W/ 3#6 TO RESIDENTIAL PANEL. R-11,13 |
| | THERMAL DISCONNECT SWITCH |
| | GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE. MOUNTING HEIGHT AS NOTED. |
| | CEILING MOUNTED FIXTURE |
| | WALL MOUNTED FIXTURE |
| | RECESSED EXHAUST FAN, SEE MECHANICAL DRAWINGS FOR EXACT LOCATION. |
| | DOOR BELL |
| | JUNCTION BOX, MOUNT AS SHOWN |
| | CARBON MONOXIDE DETECTOR W/ BATTERY BACKUP PER CA SB183 |
| | SINGLE STA. SMOKE DETECTOR, UBC APPR'D, BATT. BACKUP, 120V |
| | TELEVISION/CABLE OUTLET, MOUNT @ 15" A.F.F. (U.N.O.) |
| | TELEPHONE JACK, MOUNT 15" A.F.F. PROVIDE 3/4" C W/PULLSTRING TO ACCESSIBLE LOCATION. MOUNT @ +6" ABOVE COUNTERS IN KITCHEN LOCATIONS. |
| | CHIMES, PROVIDE 120V XFMR AS REQUIRED. |
| | ELECTRICAL PANEL (SEE PANEL SCHEDULE) |
| | DIMMER SWITCH COMPATIBLE WITH FIXTURE(S) CONTROLLED. |
| | FUSED SAFETY SWITCH, SIZED AS SHOWN |
| | FLUSH FLOOR MOUNTED CONVENIENCE OUTLET. |
| | WALL SWITCH BOX MTD OCCUPANCY SENSOR. MANUAL-ON, AUTO-OFF. |
| | WEATHERPROOF |
| | UNLESS NOTED OTHERWISE |
| | FIRE ALARM MANUAL PULLSTATION |
| | CEILING MOUNTED SPEAKER/TONE GENERATOR WITH FLASHING STROBE FOR PUBLIC ADDRESS OR ALARM |
| | CEILING MOUNTED ADDRESSABLE SMOKE DETECTOR - SEE FIRE ALARM REQUIREMENTS AS PART OF THE DEFERRED PERMIT |
| | MULTI LEVEL OCCUPANCY/VACANCY SENSOR PER TITLE 24 REQUIREMENTS |
| | ADDRESSABLE HEAT DETECTOR, CEILING MOUNTED |
| | ADDRESSABLE FIRE ALARM MAGNETIC DOOR HOLD-OPEN |
| | ADDRESSABLE TAMPER SWITCH |
| | ADDRESSABLE FLOW SWITCH |
| | ADDRESSABLE STROBE DEVICE |
| | ADDRESSABLE SPEAKER DEVICE |
| | MAGNETIC DOOR LOCK CONTROLS PER FA PLAN |
| | JUNCTION BOX, WALL MOUNTED |
| | WALL MOUNTED MULTI LEVEL OCCUPANCY SENSOR PER TITLE 24 REQUIREMENTS |

GENERAL NOTES

1. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BE LISTED BY UNDERWRITER'S LABORATORIES (UL) AND BEAR THEIR LABEL, OR LISTED AND CERTIFIED BY A NATIONALLY RECOGNIZED TESTING AUTHORITY WHERE UL DOES NOT HAVE A LISTING. CUSTOM MADE EQUIPMENT SHALL HAVE COMPLETE TEST DATA SUBMITTED BY THE MANUFACTURER ATTESTING TO ITS SAFETY. IN ADDITION, THE MATERIALS, EQUIPMENT, AND INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING:
AMERICAN SOCIETY OF TESTING MATERIALS (ASTM)
INSULATED POWER CABLE ENGINEERS ASSOCIATION (IPCEA)
NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
AMERICAN STANDARD ASSOCIATION (ASSA)
NATIONAL FIRE PROTECTION AGENCY (NFPA)
AMERICAN NATIONAL STANDARD INSTITUTE (ANSI)
CALIFORNIA ELECTRICAL CODE (CEC) - 2019
CALIFORNIA CODE OF REGULATIONS TITLE 24 (CCR)
INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
ALL LOCAL CODES HAVING JURISDICTION WHERE THE CODES HAVE DIFFERENT LEVELS OF REQUIREMENTS, THE MOST STRINGENT RULE SHALL APPLY.
2. THE CONTRACTOR SHALL VISIT THE SITE INCLUDING ALL AREAS INDICATED ON THE DRAWINGS. HE SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND BY SUBMITTING A BID, ACCEPTS THE CONDITIONS UNDER WHICH HE SHALL BE REQUIRED TO PERFORM HIS WORK.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COMPLETE SET OF CONSTRUCTION DOCUMENTS. HE/SHE SHALL CHECK THE DRAWINGS OF THE OTHER TRADES AND SHALL CAREFULLY READ THE ENTIRE SPECIFICATIONS AND DETERMINE HIS/HER RESPONSIBILITIES. FAILURE TO DO SO SHALL NOT RELEASE THE CONTRACTOR FROM DOING THE WORK IN COMPLETE ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
4. ALL UTILITY WORK (POWER&TELEPHONE) SHALL BE IN COMPLIANCE WITH THESE DRAWINGS AND THE REQUIREMENTS OF THE SERVING UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE SERVING UTILITY TO RECEIVE COMPLETE INFORMATION ON THEIR REQUIREMENTS PRIOR TO THE SUBMISSION OF THE BID. THE ACT OF SUBMITTING THE BID SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO INSTALL SERVICE IN COMPLIANCE WITH THE SERVING UTILITY AND THE CONTRACT DOCUMENTS. CONTRACTOR SHALL PAY TO THE UTILITY FOR ALL COSTS ASSOCIATED WITH THE ESTABLISHMENT OF SERVICE FOR THIS PROJECT.
5. ALL ITEMS SUCH AS SERVICE CONDUIT, CONDUCTORS, DUCTS, CONCRETE PADS, TRANSFORMERS, RISERS, PULL BOXES, AND PROTECTIVE COVERING FROM SERVICE LOCATION SHALL BE PROVIDED AND INSTALLED, AND SHALL BE VERIFIED WITH THE SERVING UTILITY COMPANY, AND SHALL PAY ALL CHARGES LEVIED BY THE SERVING UTILITY COMPANY FOR HIS SERVICE EXCEPT THE FIRST BILLING DEPOSIT, WHERE THE CONTRACT DOCUMENTS ARE MORE RESTRICTIVE, THE DOCUMENTS SHALL GOVERN.
6. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES CHARGES, AND INCIDENTAL COSTS NECESSARY FOR EXECUTION AND COMPLETION OF ELECTRICAL WORK, INCLUDING ALL CHARGES BY THE LOCAL GOVERNMENT AGENCIES.
7. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AT THE SITE. ANY COSTS TO INSTALL WORK TO ACCOMPLISH SAID COORDINATION WHICH DIFFERS FROM THE WORK AS SHOWN ON THE DRAWINGS SHALL BE INCURRED BY THE CONTRACTOR. ANY DISCREPANCIES, AMBIGUITIES OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT DURING BID TIME FOR CLARIFICATION. ANY SUCH CONFLICTS NOT CLARIFIED PRIOR TO BID SHALL BE SUBJECT TO THE INTERPRETATION OF THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
8. THE CONTRACTOR SHALL PROVIDE AND KEEP UP-TO-DATE A COMPLETE RECORD SET OF DRAWINGS. THESE PRINTS SHALL BE CORRECTED DAILY AND SHOW EVERY CHANGE FROM THE ORIGINAL DRAWINGS. THIS SET OF DRAWINGS SHALL BE KEPT ON THE JOB SITE AND SHALL BE USED ONLY AS A RECORD SET. THIS SHALL NOT BE CONSTRUED AS AUTHORIZATION FOR THE CONTRACTOR TO MAKE CHANGES IN THE LAYOUT WITHOUT DEFINITE INSTRUCTIONS IN EACH CASE. UPON COMPLETION OF THE WORK, A SET OF REPRODUCIBLE CONTRACT DRAWINGS SHALL BE OBTAINED FROM THE ARCHITECT, AND ALL CHANGES AS NOTED ON THE RECORD SET OF DRAWINGS SHALL BE INCORPORATED THEREON WITH BLACK INK IN A NEAT, LEGIBLE, UNDERSTANDABLE AND PROFESSIONAL MANNER. FAILURE TO KEEP RECORD DRAWINGS UP-TO-DATE SHALL CONSTITUTE CAUSE FOR WITHHOLDING OF PROGRESS PAYMENTS.
9. IN SOME INSTANCES, IT MAY BE NECESSARY TO DEFER WORK IN CERTAIN AREAS AND LOCATIONS UNTIL SUCH TIME AS EXISTING FACILITIES CAN BE TEMPORARILY OR PERMANENTLY REARRANGED BY THE OWNER, THEREFORE, WHENEVER IT BECOMES NECESSARY FOR THE CONTRACTOR TO PERFORM WORK UNDER THIS CONTRACT IN EXISTING AREAS IN WHICH THE OWNER'S WORK IS BEING PERFORMED, THE CONTRACTOR SHALL ADVISE THE ARCHITECT AND THE OWNER RELATIVE TO THIS REQUIREMENT AND SHALL FOLLOW CLOSELY THE DIRECTIVE ISSUED BY THE ARCHITECT INsofar AS TIME AND PROCEDURE ARE CONCERNED. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL PREMIUM TIME TO WHICH HE MAY BE SUBJECT FOR PERFORMING WORK IN SUCH PROCEDURE AND AT SUCH TIMES AS MAY BE NECESSARY TO CAUSE THE LEAST INTERFERENCE WITH THE OPERATIONS OF THE OWNER.
10. SHOP DRAWINGS SHALL BE SUBMITTED WITHIN THIRTY DAYS AFTER AWARD OF THE CONTRACT. THE CONTRACTOR SHALL SUBMIT EIGHT COPIES OF A COMPLETE LIST OF MATERIALS AND EQUIPMENT INCLUDING MANUFACTURER AND MODEL NUMBER PROPOSED FOR THE JOB. SHOP DRAWINGS SHALL INCLUDE JOB DESCRIPTION, ARCHITECT AND ENGINEER IDENTIFICATION, AND ALL DATA WITH CAPACITIES, SIZES, DIMENSIONS, CATALOG NUMBERS, AND MANUFACTURER'S BROCHURES. SHOP DRAWINGS SHALL BE SUBMITTED FOR ITEMS LISTED IN SPECIFICATIONS. PARTIAL, INCOMPLETE OR UNBOUND SUBMITTALS WILL BE RETURNED WITHOUT REVIEW. CONTRACTOR SHALL SUBMIT A SCHEDULE OF ALL SHOP DRAWINGS AND SUBMITTALS WHICH ARE TO BE REVIEWED WITHIN FIFTEEN DAYS OF CONTRACT AWARD.
11. THE CONTRACTOR SHALL FURNISH A ONE YEAR WRITTEN GUARANTEE OF MATERIALS AND WORKMANSHIP FROM THE DATE OF SUBSTANTIAL COMPLETION.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAWCUTTING, TRENCHING, BACKFILLING, COMPACTION AND PATCHING OF CONCRETE AND ASPHALT AS REQUIRED TO PERFORM HIS WORK. ATTENTION IS CALLED TO THE FACT THAT THERE ARE EXISTING UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN TRENCHING FOR HIS WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER AND APPROVED REPAIR OF ANY AND ALL DAMAGES CAUSED BY HIM OR HIS WORK.
13. WHENEVER A DISCREPANCY IN QUANTITY OR SIZE OF CONDUIT, WIRE, EQUIPMENT DEVICES, CIRCUIT BREAKERS, GROUND FAULT PROTECTION SYSTEMS, ETC. (ALL MATERIALS), ARISES ON THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL MATERIAL AND SERVICES REQUIRED BY THE STRICTEST CONDITIONS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS TO ENSURE COMPLETE AND OPERABLE SYSTEMS AS REQUIRED BY THE OWNER AND ARCHITECT/ENGINEER.
14. DRAWINGS ARE DIAGRAMMATIC ONLY. ROUTING OF RACEWAYS SHALL BE AT THE OPTION OF THE CONTRACTOR UNLESS OTHERWISE NOTED AND SHALL BE COORDINATED WITH OTHER SECTIONS. DO NOT SCALE THE ELECTRICAL DRAWINGS FOR LOCATIONS OF ANY ELECTRICAL, ARCHITECTURAL, STRUCTURAL, CIVIL, OR MECHANICAL ITEMS OR FEATURES.
15. THE EQUIPMENT GROUNDING CONDUCTOR SHOWN ON CONDUIT RUNS SHALL RUN CONTINUOUS FROM PANEL TO LAST OUTLET. THIS WIRE SHALL BE PIGTAILED IN EACH OUTLET FOR CONNECTION TO BOX AND DEVICE SO THAT IF DEVICE IS REMOVED, GROUND WILL NOT BE INTERRUPTED. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSULATED GREEN CONDUCTORS - ALTERNATE METHODS OF IDENTIFICATION SHALL NOT BE USED. CONTRACTOR SHALL NOTIFY ELECTRICAL ENGINEER TO EXAMINE CONDUCTOR INSTALLATION PRIOR TO INSTALLATION OF DEVICES.
16. MINIMUM SIZE FOR CONDUCTORS SHALL BE #12 AWG, COPPER, TYPE THHN/THWN THERMOPLASTIC, 600 VOLT, 75 DEGREES CELSIUS WET OR 90 DEGREES CELSIUS DRY, AND UL LISTED UNLESS NOTED OTHERWISE. ALL CONDUCTORS SPLICES BELOW GRADE SHALL BE MADE WITH SUBMERSIBLE CONNECTIONS. ALL CONDUCTORS USED FOR SITE AND BUILDING MOUNTED LIGHTING FIXTURES SHALL BE INSTALLED IN 3/4" MINIMUM WITH #10 CONDUCTORS.
17. ALL EXPOSED CONDUIT IN FIRE RISER ROOMS SHALL BE WP SEAL-TITE TYPE.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A FULL FUNCTIONING ELECTRICAL AND COMMUNICATION SYSTEM, INCLUDING FIRE ALARM SYSTEM, CATV, TELEPHONE, DATA, AND ANY OTHER REQUIRED LOW VOLTAGE SYSTEMS.
19. COORDINATE WITH THE ARCHITECTURE/CLIENT FOR FIXTURE AND OUTLET MOUNTING HEIGHT PRIOR TO INSTALLATION.
20. ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL AND ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND CHARACTERISTICS OF ALL EQUIPMENT LISTED IN SCHEDULE. ANY MODIFICATIONS AND/OR ADDITIONAL WORK NECESSARY SHALL BE INCLUDED IN THE BASE BID.
21. ALL TEMPERATURE CONTROL AND INTERLOCK CONDUIT AND WIRING SHALL BE BY ELECTRICAL CONTRACTOR U.N.O. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
22. ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL CONNECTION POINTS WITH THE EQUIPMENT MANUFACTURER AND OR INSTALLER PRIOR TO ROUGH-IN.
23. ALL FUSES FOR FUSIBLE DISCONNECTS TO BE SIZED PER EQUIPMENT NAMEPLATES.
24. ELECTRICAL CONTRACTOR TO PROVIDE MINIMUM 1" EMT CONDUIT, FOR ALL MECHANICAL LOW VOLTAGE WIRING, COORDINATE WITH MECHANICAL DRAWINGS FOR MORE INFORMATION.
25. PROVIDE FIRESTOP CAULKING FOR ANY PIPES, CONDUITS, AND DUCTS PENETRATING EXTERIOR OR INTERIOR FIRE RATED WALLS.
26. USE RIGID GALVANIZED CONDUIT IN ALL EXTERIOR EXPOSED AREAS.
27. ELECTRICAL CONTRACTOR SHALL INCLUDE COST FOR ALL HVAC CONTROL COMPONENTS, CONDUITS, DEVICES, ETC. AS NECESSARY FOR A COMPLETE AND OPERATING HVAC SYSTEM. REFER TO MECHANICAL DRAWINGS.
28. ALL OUTLET AND SWITCH PLATES SHALL BE PROVIDED WITH A LABEL NOTING PANEL AND CIRCUIT. LABEL SHALL BE CLEAR TAPE WITH BLACK LETTERS.
29. ALL ELECTRICAL CONDUITS ARE TO BE CONCEALED WITH IN WALLS AND/OR ABOVE CEILING.
30. DATA JACKS AND CABLE SHALL BE PER LOW VOLTAGE CONTRACTOR. CONTRACTOR SHALL PROVIDE 1/2" CONDUIT FROM EACH DATA JACK BACK TO TELECOMMUNICATIONS BACK BOARD. SPECIFIC LOCATION AND TERMINATIONS ARE TO BE PER LOW VOLTAGE CONTRACTOR.
31. APPLIANCES PROVIDED AND INSTALLED SHALL HAVE AN ENERGY STAR DESIGNATION. ANY DIFFERENCES BETWEEN THE CALCULATED LOADS SHOWN ON THE PLANS, AND THE FINAL MANUFACTURER LOADS AS PROVIDED BY THE CONTRACTOR SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ELECTRICAL ENGINEER PRIOR TO PROCUREMENT AND INSTALLATION.
32. BATHROOM EXHAUST FANS NOT FUNCTIONING AS A COMPONENT OF THE WHOLE BUILDING SHALL BE CONTROLLED BY A READILY ACCESSIBLE HUMIDISTAT.
33. CONCEAL ALL CONDUIT IN THE WALLS AND PLENUM AS MUCH AS REASONABLY POSSIBLE. EXPOSED CONDUIT SHALL BE COORDINATED WITH THE ARCHITECT AND FINISHED PER ARCHITECTURAL PLANS.
34. RECEPTACLE HEIGHTS ARE SHOWN FOR REFERENCE ONLY, REFERENCE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION
35. SMOKE DETECTORS SHALL BE PROVIDED IN EACH SEPARATE SLEEPING AREA AND OUTSIDE EACH SEPARATE SLEEPING AREA. INSTALL A MINIMUM OF 3' FROM FROM DUCT OPENINGS.
36. SMOKE DETECTORS SHALL BE PERMANENTLY WIRED AND INTERCONNECTED. PROVIDE BATTERY BACK-UP, PER NFPA 72.
37. WHERE THE HIGHEST POINT OF A CEILING IN A ROOM THAT OPENS TO THE HALLWAY SERVING THE BEDROOMS EXCEEDS THAT OF THE OPENING INTO THE HALLWAY BY MORE THAN 24" A SMOKE DETECTOR SHALL BE INSTALLED IN THE HALLWAY AND IN ADJACENT ROOM WITHIN 12' OF THE HIGHEST POINT OF THE CEILING.
38. INTERCONNECTED SMOKE DETECTORS SHALL BE INSTALLED AND APPROVED BY THE FIRE DEPARTMENT PRIOR TO OCCUPANCY.
39. ALL WORK SHALL COMPLY WITH NFPA 72, NATIONAL FIRE ALARM CODE.
40. SINGLE AND MULTIPLE STATION CARBON MONOXIDE ALARMS SHALL BE LISTED AS COMPLYING WITH THE REQUIREMENTS OF UL 2034. CARBON MONOXIDE DETECTORS SHALL BE LISTED AS COMPLYING WITH THE REQUIREMENTS OF UL2075, SEC. R315.3.
41. ALL SMOKE ALARMS SHALL BE LISTED IN ACCORDANCE WITH UL 217 AND INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THE GOVERNING CCR & THE FIRE WARNING EQUIPMENT PROVISIONS OF NFPA 72. SYSTEMS AND COMPONENTS SHALL BE CALIFORNIA STATE MARSHAL LISTED & APPROVED IN ACCORDANCE WITH CCR, TITLE 19, DIVISION 1, FOR THE PURPOSE FOR WHICH THEY ARE INSTALLED, SEC. R314.1.
42. WHERE MORE THAN ONE SMOKE ALARM IS REQUIRED TO BE INSTALLED WITHIN AN INDIVIDUAL SUITE THE ALARM DEVICES SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL UNIT, SEC. R314.3
43. ALL 120V, SINGLE PHASE, 15 AND 20 AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN SUITE FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DEN'S, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, KITCHEN, LAUNDRY OR SIMILAR ROOMS OR AREAS SHALL BE PROVIDED WITH A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.
44. 125-VOLT, 15 AND 20 AMPERE RECEPTACLES INSTALLED IN EVERY KITCHEN, FAMILY ROOM, LIVING ROOM, DINING ROOM, BATHROOM, GARAGE, BASEMENT, BEDROOM, LAUNDRY OR OTHER SIMILAR ROOMS AND OUTDOOR PATIO AREA SHALL BE UL LISTED TAMPER RESISTANT RECEPTACLES, PER CEC 406.11.
45. GROUND FAULT CONVENIENCE OUTLETS SHALL BE INSTALLED IN ALL LOCATIONS INDICATED ON RELATED INDIVIDUAL UNIT AND BUILDING FLOOR PLANS AS INDICATED. REFERENCE ELECTRICAL SYMBOLS LIST, SHEET E001.
46. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ARCHITECTURAL PLANS FOR LOCATION OF RECEPTACLES, AND INSTALLING RECEPTACLES IN THE FLOOR WHERE NECESSARY IN ORDER TO CONFORM WITH THE RESIDENTIAL SPACING REQUIREMENTS FOR RECEPTACLES AS OUTLINED IN THE 2019 CEC.
47. ALL CURRENT CARRYING CONDUCTORS SHALL BE COPPER. INSULATION SHALL BE TYPE THHN/THWN FOR ALL BRANCH CIRCUITS UP TO AND INCLUDING SIZE #2AWG. INSULATION FOR CONDUCTORS OVER SIZE #2AWG SHALL BE XHHW.
48. ALL GROUND CONDUCTORS SHALL BE INSULATED COPPER.
49. ALL CONDUIT SHALL BE EMT (INSTALLED IN INTERIOR CONCEALED SPACES) OR SCHEDULE-40 PVC (INSTALLED UNDERGROUND) UNLESS OTHERWISE NOTED.
50. ALL AMPACITIES ARE BASED UPON TABLE 310.16 OF THE 2019 C.E.C.
51. FEEDER SCHEDULES INDICATE DATA FOR COPPER CONDUCTORS RATED UP TO 600V AT 75 DEGREES CELSIUS.
52. ALL OUTLET AND SWITCH PLATES SHALL BE PROVIDED WITH A LABEL NOTING PANEL AND CIRCUIT. LABEL SHALL BE CLEAR TAPE WITH BLACK LETTERS.

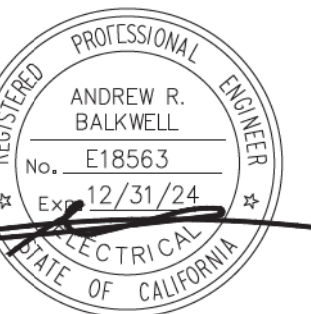
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Plan Approval No. MAC-CM 10045
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REVISIONS

| NO. | DESCRIPTION |
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ISSUE DATES

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PROJECT NAME:
20' CATERING CONTAINER
1148 INDUSTRIAL AVENUE,
ESCONDIDO, CA 92029
MODEL: HFGS20-2023CATER
S/N: HFGS-20-2023
COMMERCIAL MODULAR MANUFACTURER:
PREFORM DEVELOPMENT INC.

DATE: 8-29-2023
SCALE:

PROJECT NUMBER: 2023-003-00

ELECTRICAL SYMBOLS,
LEGEND AND NOTES

SHEET TITLE:

SHEET NUMBER
E001

GENERAL LIGHTING NOTES

- ALL EMERGENCY BATTERY PACKS SHALL BE FURNISHED WITH 90-MIN MINIMUM BACK UP CAPABILITY AND PROVIDE NO LESS THAN 1/3 OF THE FULL LUMEN OUTPUT OF ANY INDIVIDUAL LAMP. LED LIT, TEST SWITCHES TO BE INTEGRAL TO FIXTURE, NOT REMOTE MOUNTED. CONTRACTOR SHALL ENSURE THAT A MINIMUM OF 1-FOOTCANDLE IS PROVIDED AT FLOOR LEVEL ALONG PATH OF EGRESS.
- LIGHTING INSTALLED IN CORRIDORS AND STAIRWELLS SHALL BE CONTROLLED BY OCCUPANT SENSING CONTROLS THAT SEPARATELY REDUCE THE LIGHTING POWER BY AT LEAST 50% WHEN THE SPACE IS UNOCCUPIED.
- LIGHTING POLLUTION REDUCTION: ALL EXTERIOR LIGHT POLLUTION MUST COMPLY WITH CGC SECTION 5.106.8 AND SAN DIEGO MUNICIPAL CODE CHAPTER 14, ARTICLE 2, DIVISION 7.
- OUTDOOR LIGHTING SHALL NOT EXCEED NOMINAL 4000 KELVIN COLOR CORRELATED TEMPERATURE (CCT). (SAN DIEGO MUNICIPAL CODE-CHAPTER 14, ART.2, DIVISION 7, PAGE 3)
- ALL OUTDOOR LIGHTING SHALL BE TURNED OFF BETWEEN 11:00 PM AND 6:00 AM
- PROVIDE EMERGENCY LIGHTING FIXTURE SHALL BE SHADOW AND SWITCHED, TEST SWITCH INTEGRAL FIXTURE.
- LIGHTING CONTROL DEVICES AND SYSTEMS, BALLASTS AND LUMINARIES SHALL COMPLY TO 2019 CENC, SECTION 110.9.
- LIGHT SOURCES THAT ARE NOT MARKED "JA8-2019-E" SHALL NOT BE INSTALLED IN ENCLOSED LUMINAIRES. ES 150.0(K)
- SHADED FIXTURE INDICATES EGRESS FIXTURE WITH 90 MIN. BATTERY BACKUP. SEE GENERAL LIGHTING NOTES FOR ADDITIONAL INFORMATION
- RECESSED CAN LIGHT FIXTURES SHALL BE IC LISTED, AIR-TIGHT LABELED, AND NOT BE EQUIPPED WITH A STANDARD MEDIUM BASE SCREW SHELL LAMP HOLDER. ES 150.0(K)

GENERAL NOTES

- APPLIANCES PROVIDED AND INSTALLED SHALL HAVE AN ENERGY STAR DESIGNATION
- PROVIDE CONDUIT RATED CABLE FOR ALL TELECOMMUNICATIONS CABLE RUN IN CONDUIT BACK TO TELECOMMUNICATIONS BACKBOARD.
- SEE ARCHITECTURAL PLANS FOR MOUNTING LOCATIONS/ HEIGHTS AND MATERIAL FINISH REQUIREMENTS
- BATHROOM EXHAUST FANS NOT FUNCTIONING AS A COMPONENT OF THE WHOLE BUILDING SHALL BE CONTROLLED BY A READILY ACCESSIBLE HUMIDISTAT.
- CONCEAL ALL CONDUIT IN THE WALLS AND PLENUM AS MUCH AS REASONABLY POSSIBLE. EXPOSED CONDUIT SHALL BE FINISHED PER ARCHITECTURAL PLANS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MOUNTING ALL CONDUIT AND EQUIPMENT, PROVIDING SUPPORTS AND GROUNDING PER CEC REQUIREMENTS.
- FUSED DISCONNECTS AND SAFETY SWITCHES FOR ALL MECHANICAL EQUIPMENT SHALL BE CONNECTED TO MECHANICAL EQUIPMENT WITH LIQUID-TIGHT, FLEXIBLE, NON-METALLIC CONDUIT.
- FUSED DISCONNECTS, SAFETY SWITCHES AND MAINTENANCE RECEPTACLES SHALL BE MOUNTED TO MECHANICAL EQUIPMENT IF ALLOWED BY MECHANICAL EQUIPMENT UL LISTING. IF NOT ALLOWED BY MECHANICAL EQUIPMENT MANUFACTURER, CONTRACTOR SHALL PROVIDE UNISTRUT TYPE SUPPORTS ANCHORED TO CONCRETE FOUNDATIONS WITH EXPANSION BOLTS. ALL UNISTRUT SHALL HAVE THEIR ENDS PLASTIC CAPPED OR COLD GALVANIZED.
- ALL EXTERIOR EQUIPMENT SHALL BE IN NEMA 3R, WATER PROOF ENCLOSURES.
- STEEL ELECTRICAL OUTLET BOXES AT FIRE BARRIER WALLS SHALL NOT EXCEED SIXTEEN SQUARE INCHES. SHALL NOT EXCEED 100 SQ IN PER 100 SQ FT OF WALL, AND SHALL BE SEPARATED Y A HORIZONTAL DISTANCE OF 24" WHEN ON OPPOSITE SIDES OF A WALL. SEC. 714.3.2.
- EMERGENCY AND STANDBY POWER SYSTEMS SHALL BE MAINTAINED IN ACCORDANCE WITH NFPA 110 AND NFPA 111 SUCH THAT THE SYSTEM IS CAPABLE OF SUPPLYING SERVICE WITHIN TIME SPECIFIED FOR THE TYPE AND DURATION REQUIRED. CFC 604.3.
- ELEVATORS SHALL BE PROVIDED WITH PHASE I EMERGENCY RECALL OPERATION AND PHASE II EMERGENCY IN-CAR OPERATION IN ACCORDANCE WITH CCR, TITLE 8, DIV. 1, CHAPTER 4, SUBCHAPTER 6, ELEVATOR SAFETY ORDERS. CFC SECTION 607.1.
- ALL CURRENT CARRYING CONDUCTORS SHALL BE COPPER. INSULATION SHALL BE TYPE THHN/THWN FOR ALL BRANCH CIRCUITS UP TO AND INCLUDING SIZE #2AWG. INSULATION FOR CONDUCTORS OVER SIZE #2AWG SHALL BE XHHW.
- ALL GROUND CONDUCTORS SHALL BE INSULATED COPPER.
- ALL CONDUIT SHALL BE EMT (INSTALLED IN INTERIOR CONCEALED SPACES) OR SCHEDULE-40 PVC (INSTALLED UNDERGROUND) UNLESS OTHERWISE NOTED.
- ALL AMPACITIES ARE BASED UPON TABLE 310.16 OF THE 2019 C.E.C.
- FEEDER SCHEDULES INDICATE DATA FOR COPPER CONDUCTORS RATED UP TO 600V AT 75 DEGREES CELSIUS.
- ALL OUTLET AND SWITCH PLATES SHALL BE PROVIDED WITH A LABEL NOTING PANEL AND CIRCUIT. LABEL SHALL BE CLEAR TAPE WITH BLACK LETTERS.

TABLE 150.0-A CLASSIFICATION OF HIGH EFFICACY LIGHT SOURCES

| High Efficacy Light Sources | |
|--|--|
| Luminaires installed with only the lighting technologies in this table shall be classified as high efficacy | |
| Light sources in this column other than those installed in ceiling recessed downlight luminaires are classified as high efficacy and are not required to comply with Reference Joint Appendix JA8 | Light sources in this column shall be certified to the Commission as High Efficacy Light Sources in accordance with Reference Joint Appendix JA8 and be marked as meeting JA8. |
| <ol style="list-style-type: none"> Pin-based linear or compact fluorescent light sources using electronic ballasts. Pulse-start metal halide. High pressure sodium. GU-24 sockets containing light sources other than LEDs. a,b Luminaires with hardwired high frequency generator and induction lamp. Inseparable SSL luminaires that are installed outdoors. Inseparable SSL luminaires containing colored light sources that are installed to provide decorative lighting. | <ol style="list-style-type: none"> All light sources in ceiling recessed downlight luminaires. Note that ceiling recessed downlight luminaires shall not have screw bases regardless of lamp type as described in Section 150.0(k)1C. GU-24 sockets containing LED light sources. Any light source not otherwise listed in this table and certified to the Commission as complying with Joint Appendix 8. |
| Notes: a. GU-24 sockets containing light sources such as compact fluorescent lamps and induction lamps. b. California Title 20 Section 1605(k)3 does not allow incandescent sources to have a GU-24 base. | |

FIRE ALARM NOTES

- THE FIRE ALARM RISER DIAGRAM AND ALL OTHER DETAILS, NOTES AND EQUIPMENT SHOWING ANY FIRE PROTECTION EQUIPMENT SHOWN FOR REFERENCE ONLY AND IS PART OF A DEFERRED SUBMITTAL REQUIREMENT.
- PER SECTION 907.5.2.3.1 AND 11B-702.1 WHEN EMERGENCY WARNING SYSTEMS OR FIRE ALARMS ARE PROVIDED, THERE SHALL BE APPROVED NOTIFICATION APPLIANCES FOR THE HEARING IMPAIRED, INSTALLED IN ACCORDANCE WITH NATIONAL STANDARDS IN THE FOLLOWING AREAS:
 - A) RESTROOMS
 - B) CORRIDORS
 - C) MULTIPURPOSE ROOMS
 - D) LOBBIES
- AUDIBLE AND VISUAL ALARMS WILL COMPLY WITH THE PROVISIONS OF TITLE 24 SECTION 907

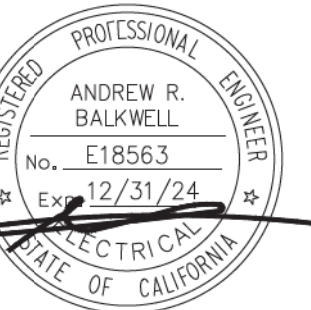
GREEN BUILDING DEPARTMENT NOTES

- FOR COMMENTS RELATED TO TESTING AND ADJUSTING:
- EXTERIOR LED LIGHTING SHALL BE CONTROLLED WITH PHOTOCELLS AND MOTION DETECTORS FOR 50% DIMMING WHEN NOT OCCUPIED, AND TIME CLOCK OVER-RIDE.
 - THE COMMON AREAS, INCLUDING CORRIDORS AND STAIRWELLS SHALL HAVE LED FIXTURES CONTROLLED WITH A COMBINATION OF MOTION DETECTORS, AND TIME CLOCK OVER-RIDE.
 - LIGHTING IN ALL RESIDENTIAL UNITS SHALL BE CONTROLLED WITH A COMBINATION OF DIMMERS AND OCCUPANCY SENSORS AS DESCRIBED ON THE PLANS
 - THE EVSE MUST CONSIST OF MINIMUM 1" CONDUIT EXTENDING FROM THE MAIN PANEL TO A JUNCTION BOX WHERE THE EVSE RECEPTACLE WILL BE PROVIDED. THE MAIN SERVICE PANEL MUST BE SIZED TO ACCOMMODATE 208/240 VOLTS, 40AMP DEDICATED BRANCH CIRCUIT. EVCS SHALL BE SHOWN IN COMMON USE AREAS AVAILABLE TO ALL RESIDENTS. CGC 4.106.4.
 - PRIOR TO FINAL INSPECTION THE LICENSED CONTRACTOR OR ARCHITECT IN RESPONSIBLE CHARGE OF THE OVERALL CONSTRUCTION MUST PROVIDE TO THE BUILDING DEPARTMENT OFFICIAL WRITTEN VERIFICATION THAT ALL APPLICABLE PROVISIONS FROM GREEN BUILDING STANDARDS CODE HAVE BEEN IMPLEMENTED AS PART OF THE CONSTRUCTION. CGC 102.3.

**Approved For State of California
Commercial Modular**
By
MA Consulting & Engineering MACE, LLC.
Third Party Design Approval Agency (DAA)
Certificate Number: DM1570821

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20' CATERING CONTAINER
1148 INDUSTRIAL AVENUE,
ESCONDIDO, CA 92029
MODEL: HFGS20-2023CATER
S/N: HFGS-20-2023
COMMERCIAL MODULAR MANUFACTURER:
FREEFORM DEVELOPMENT INC.

DATE: 8-29-2023

SCALE:

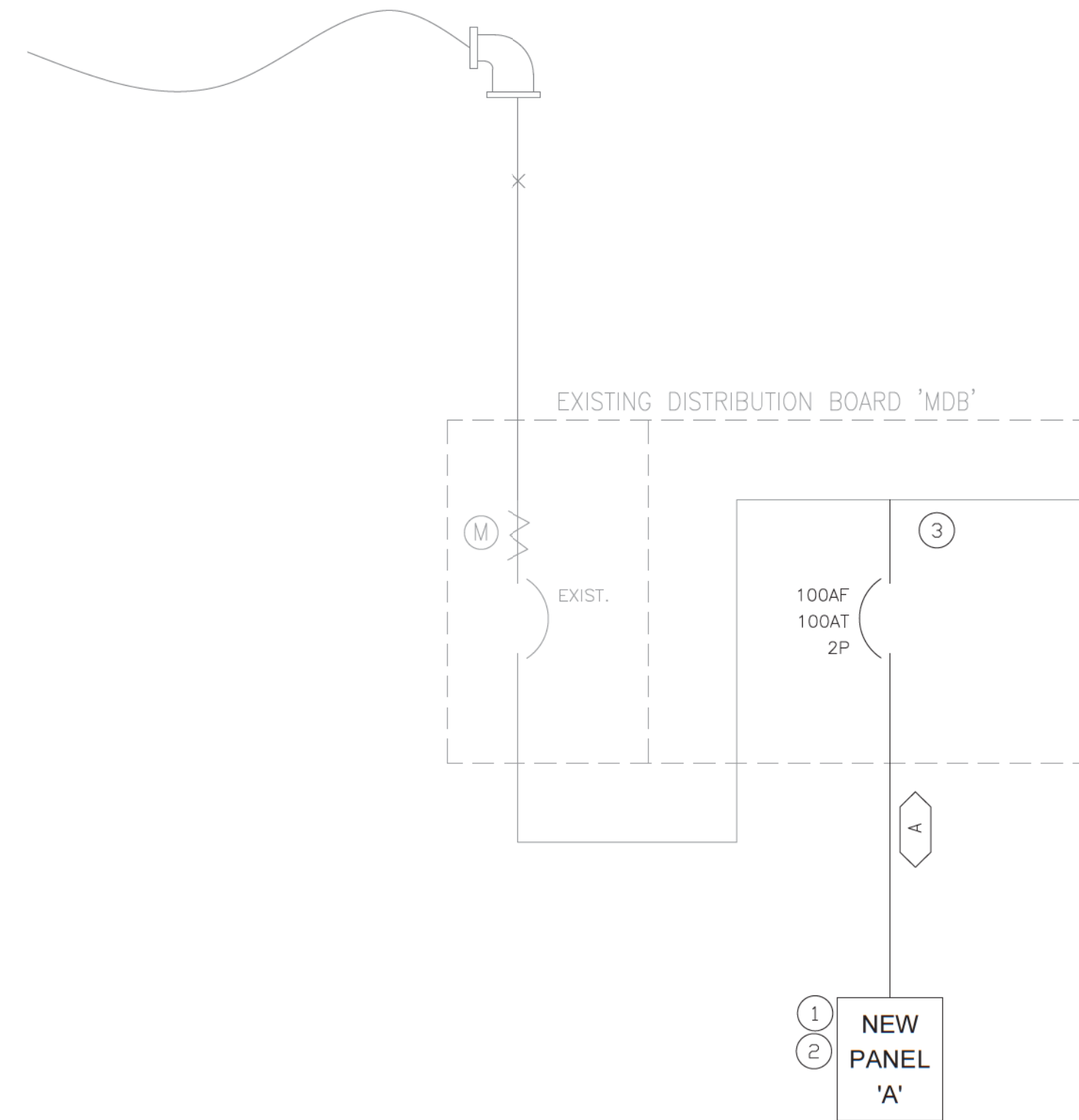
PROJECT NUMBER: 2023-003-00

ELECTRICAL SYMBOLS,
LEGEND AND NOTES

SHEET TITLE:

SHEET NUMBER

E001A



SINGLE LINE DIAGRAM

SCALE: NONE

| PANEL NO. NEW PANEL (A) | | SECTION: 1 OF 1 | | Bus: 208 /120 Volts | | Main C.B., 100 AMP | |
|---|---------------------|--|-----|--|-----|-------------------------|-----|
| Location: ELECTRICAL RM. - L1 | | Serving: Normal Power | | 1 PH, 3 Wire, 100 AMP | | Main Lugs Only | |
| Integrated Equipment SC Rating 22,000 RMS SYM AMPS | | Feed Thru Lugs | | Iso. Grnd. Bus | | Flush Mnt. Surface Mnt. | |
| SubFeed Lugs | | C.B. | | C.B. | | CONN | |
| Load Type | Circuit Description | KVA | AMP | Pole | CKT | PH | CKT |
| R | GENERAL RECEP. | 0.36 | 20 | 1 | 1 | A | 2 |
| R | FREEZER 1 | 0.35 | 20 | 1 | 3 | B | 4 |
| R | POS | 1.20 | 20 | 1 | 5 | C | 6 |
| | SPACE | - | - | 7 | A | 8 | - |
| R | (FUT.) EQUIP. 1 | 0.36 | 20 | 1 | 9 | B | 10 |
| R | LIGHTING | 0.10 | 20 | 1 | 11 | C | 12 |
| | SPACE | - | - | 13 | A | 14 | - |
| | SPACE | - | - | 15 | B | 16 | - |
| | SPACE | - | - | 17 | C | 18 | - |
| | SPACE | - | - | 19 | A | 20 | - |
| | SPACE | - | - | 21 | B | 22 | - |
| | SPACE | - | - | 23 | C | 24 | - |
| Total Receptacle (R) Load @ 180VA/ea., 100% for first 10,000VA & 50% for remainder: | | 5.44 KVA | | | | | |
| Total Noncoincident (E) Load | | 0.00 KVA (Not included in demand load) | | Total HVAC (H) Load: | | 8.88 KVA | |
| Total Lighting (L) Load @ 1.25%: | | 0.00 KVA | | Total NonContinuous (N) Load: | | 0.00 KVA | |
| Total Motor (M) Load: | | 0.00 KVA | | Largest Motor: (25% added to demand load): | | 2 HP 0.50 KVA | |
| TOTAL CONNECTED LOAD: | | 14.3 KVA | | CONNECTED AMP | | TOTAL DEMAND LOAD | |
| | | Total / Φ | | A B C | | 71.3 A | |

| FEEDER SCHEDULE | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|--------|------|---------------|------------|-----|-------|------|--------------|---|-------------|----------------------|----------------|----------|---------|-------|---------|--------|--------|----------|-------|-------|-----------|-------------|------------------|
| ID | FEEDER | FROM | FAULT CURRENT | EQUIP NAME | V | PHASE | AMPS | POWER FACTOR | FEEDER MATERIAL C=COPPER A=ALUMINUM | LENGTH FEET | CONDUCTORS PER PHASE | CONDUCTOR SIZE | SIZE GND | CONDUIT | AIC | C VALUE | FACTOR | MULT. | Isca | R | M | VOLT DROP | VOLT DROP % | AIC EQUIP RATING |
| 001 | A | MDB | 42000 | A | 208 | 1 | 100 | 98% | C | 50.00 | 1 | 3# 1 | 1# 8 | 1-1/2" | 17615 | 7293 | 1.3844 | 0.4194 | 17614.77 | 0.154 | 2.000 | 1.54 | 0.74% | 22000 |

REFERENCE NOTES

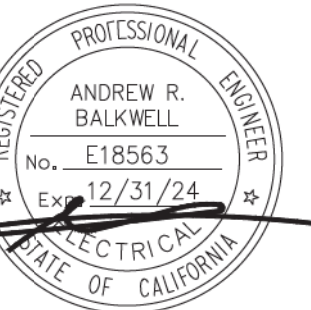
- PROVIDE 100A, 1PH, 3-WIRE PANEL 'A' IN NEMA 3R ENCLOSURE. SEE PANEL SCHEDULE FOR ADDITIONAL INFORMATION.
- CONNECT NEW PANEL 'A' TO NEW 100A BREAKER IN EXISTING SWITCHGEAR 'MDB'.
- CONTRACTOR TO ENSURE NEW BREAKER FITS IN EXISTING PANEL AND MAINTAINS ALL EXISTING RATINGS PRIOR TO PROCUREMENT AND INSTALLATION.

GENERAL NOTES

- AIC RATINGS BASED ON EXISTING AS-BUILT INFORMATION. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING AVAILABLE FAULT CURRENT AND ALL EXISTING EQUIPMENT AVAILABLE FAULT CURRENT RATINGS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES TO START OF CONSTRUCTION.
- INSTALLER TO FIELD VERIFY CONDUCTOR LENGTHS.
- POSTING OF THE MAXIMUM CALCULATED FAULT CURRENT ON THE SERVICE WITH THE DATE THE CALCULATION WAS PERFORMED WILL BE REQUIRED CEC 110.24(A).
- INSTALLER TO USE EMT FOR ALL ABOVE GROUND FEEDERS.
- BRANCH CIRCUIT WIRING SHALL BE INSTALLED IN ACCORDANCE WITH CEC ARTICLE 300, ALL CONDUCTORS SHALL BE COPPER TYPE THHN INSULATION AT 90°C. U.O.N. ALL EQUIPMENT AND THE WIRING TERMINALS SHALL BE SUITABLE FOR 75° C. WIRING TERMINATIONS.
THE FOLLOWING WIRING METHODS ARE NOT ALLOWED:
A) NON-METALLIC CABLE, TYPES NM OR NMC (ROMEX) FOR ANY INSTALLATION.
B) ARMORED CABLE, TYPE AC (BX) IN CONCEALED LOCATIONS.

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FREEFORM DEVELOPMENT INC.

DATE: 8-29-2023

SCALE:

PROJECT NUMBER: 2023-003-00

SINGLE LINE DIAGRAM
PANEL SCHEDULES/
CALCULATIONS

SHEET TITLE:

SHEET NUMBER

E010

Approved For State of California
Commercial Modular

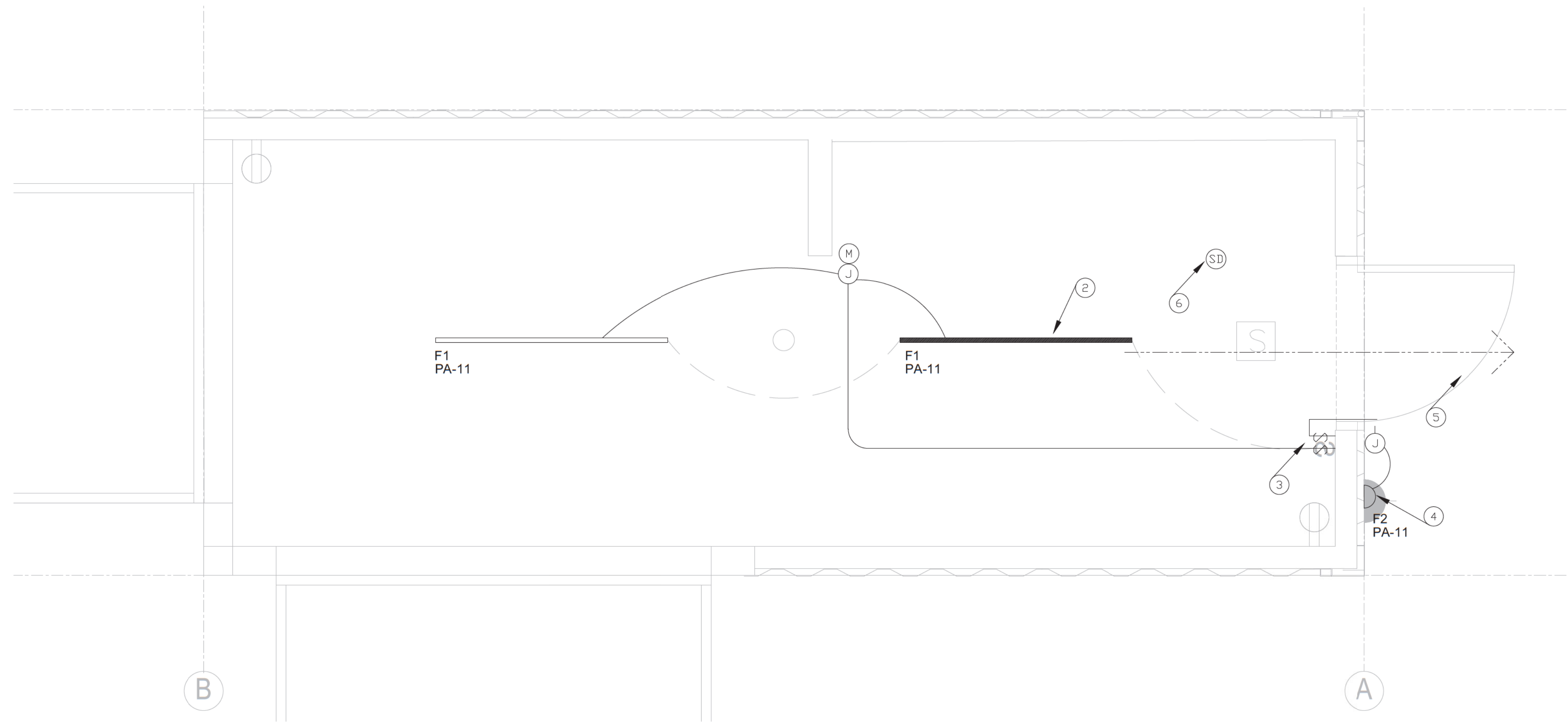
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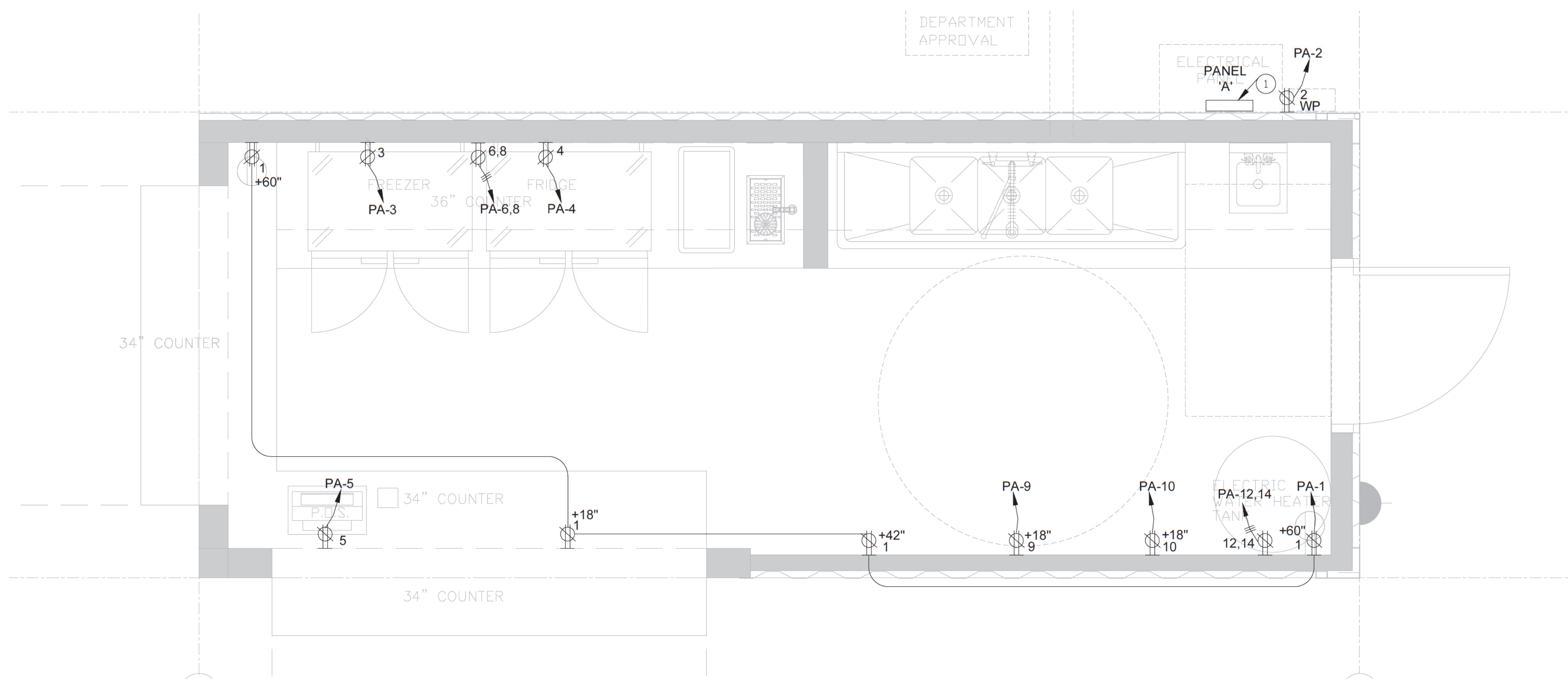
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Expiration Date: 11/30/2024



LIGHTING PLAN

SCALE: 3/4" = 1'-0"



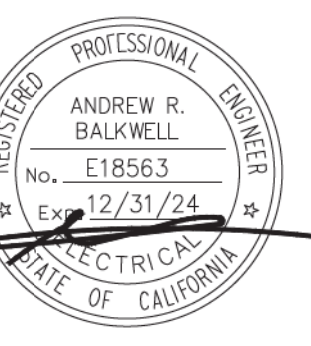
POWER PLAN

SCALE: 3/4" = 1'-0"

REFERENCE NOTES

- ① PROVIDE NEW 100A, 208/120V, 1Ø, 3-WIRE PANEL 'A'.
- ② PROVIDE EMERGENCY LIGHTING FIXTURES. CONTRACTOR TO ENSURE WITH MANUFACTURER THAT 1-FC AVERAGE CAN BE PROVIDED OVER A 6' WIDE PATH OF EGRESS. FOR A MINIMUM OF 90MIN AFTER LOSS OF POWER.
- ③ PROVIDE ON/ OFF DIMMER SWITCHES WITH BUILT-IN VACANCY SENSORS.
- ④ FOR EXTERIOR FIXTURES, PROVIDE MOTION DETECTORS THAT REDUCE LAMP WATTAGE BY 50% WHEN NO ONE IS PRESENT. FOR ALL EXTERIOR FIXTURES, PROVIDE PHOTOCELL CONTROLLED ASTRONOMICAL TIME CLOCK CAPABLE OF REDUCING LAMP WATTAGE BY 50% AFTER BUSINESS HOURS, AND SHUTTING OFF POWER TO ALL EXTERIOR LIGHTING WITH PHOTOCELL CONTROL AT SUNRISE. PHOTOCELL SHALL BE MOUNTED ON ROOF, WEST FACING, WITH 1/2" RMC TO LIGHTING CONTROL & ASTRONOMICAL TIME CLOCK. PHOTOCELL OVERRIDE AND ASTRONOMICAL TIME CLOCK. ON/ OFF CONTROLS SHALL BE LOCATED AT THE PANEL.
- ⑤ PER CBC 1006.3, ITEM 5; FOR EXTERIOR LANDINGS AS REQUIRED BY SECTION 1008.1.6 FOR EXIT DISCHARGE DOORWAYS IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS, AND ALONG ALL PATHS OF EGRESS; THE EMERGENCY POWER SYSTEM SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH SECTION 2702. EMERGENCY LIGHTING FACILITIES SHALL BE ARRANGED TO PROVIDE INITIAL ILLUMINATION THAT IS AT LEAST AN AVERAGE OF 1 FOOTCANDLE (11 LUX) AND A MINIMUM AT ANY POINT OF 0.1 FOOTCANDLE (1 LUX) MEASURED ALONG THE PATH OF EGRESS AT FLOOR LEVEL. ILLUMINATION LEVELS SHALL BE PERMITTED TO DECLINE TO 0.6 FOOTCANDLE (6 LUX) AVERAGE AND A MINIMUM AT ANY POINT OF 0.06 FOOTCANDLE (0.6 LUX) AT THE END OF THE EMERGENCY LIGHTING TIME DURATION. A MAXIMUM-TO-MINIMUM ILLUMINATION UNIFORMITY RATIO OF 40 TO 1 SHALL NOT BE EXCEEDED.
- ⑥ SMOKE DETECTOR, SELF CONTAINED, AC/DC, 120V. UL LISTED. VERIFY MOUNTING HEIGHT. LOCATE 3' MINIMUM FROM AC DUCT OPENING. DETECTORS SHALL HAVE BATTERY BACK-UP. (PER UNIFORM BUILDING CODE SECTION 1210) CO DETECTOR NOT REQUIRED IN BEDROOMS.

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COMMERCIAL MODULAR MANUFACTURER:
 FREEFORM DEVELOPMENT INC.

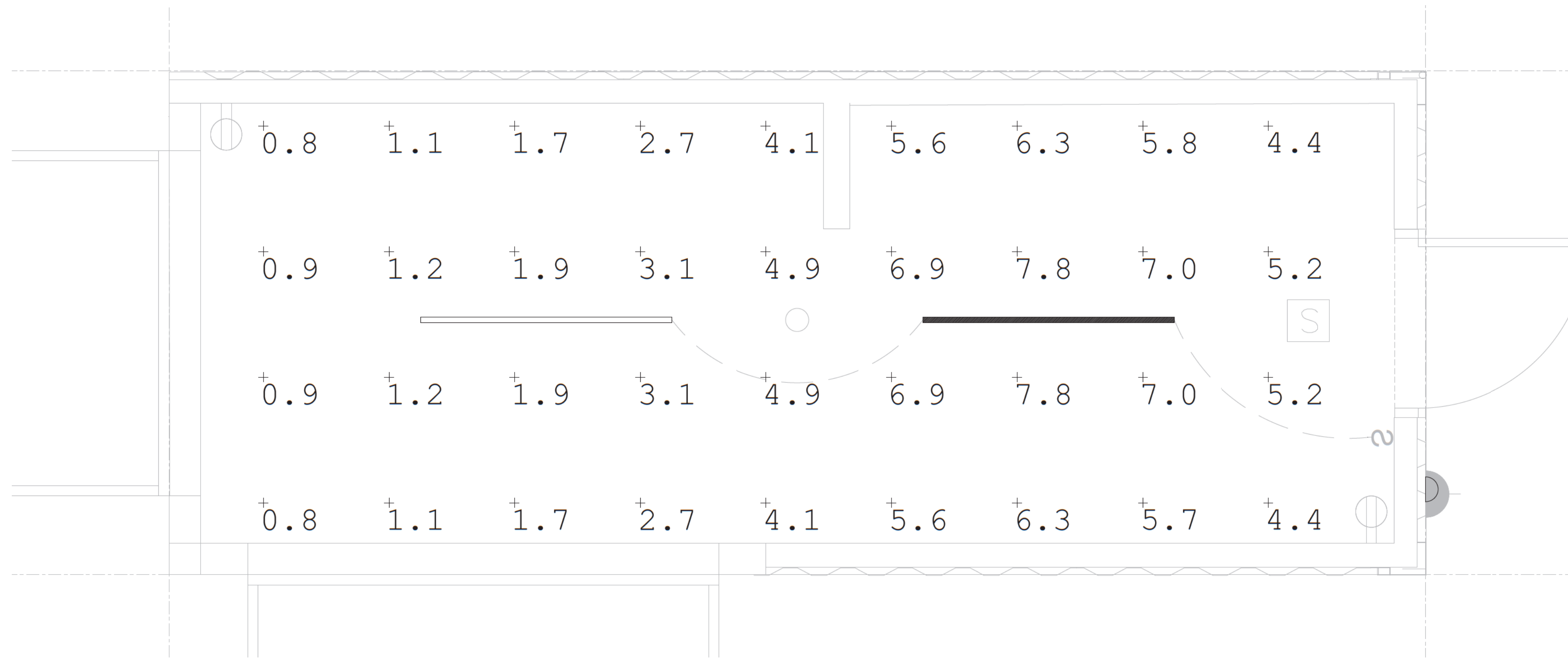
DATE: 8-29-2023
SCALE:
PROJECT NUMBER: 2023-003-00

**Approved For State of California
 Commercial Modular**
 By
MA Consulting & Engineering MACE, LLC.
 Third Party Design Approval Agency (DAA)
 Certificate Number: DM1570821

These plans have been approved pursuant to the provisions of The State of California Health and Safety Code, Division 13, Part 2 and California Code of Regulations, Title 25, Chapter 3, Subchapter 2
 Plan Approval No. **MAC-CM 10045**
 Approval Date: **9/3/2023**
 Expiration Date: **11/30/2024**

SHEET TITLE: POWER/LIGHTING PLANS

SHEET NUMBER
E110



| Luminaire Schedule | | | | | | |
|--------------------|-----|-------------------------------|-------------|-------------------------------|-------|-------------------|
| Symbol | Qty | Label | Arrangement | Description | LLF | Total Lamp Lumens |
| — | 1 | ZL1D_L48_5000LM_FST_MVOLT_40K | Single | ZL1D L48 5000LM FST MVOLT 40K | 1.000 | N.A. |

| Calculation Summary | | | | | | | |
|---------------------|-------------|-------|------|-----|-----|---------|---------|
| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min |
| STG Workplane | Illuminance | Fc | 3.96 | 7.8 | 0.8 | 4.95 | 9.75 |

EMERGENCY LIGHTING PHOTOMETRIC PLAN

SCALE: 3/4" = 1'-0"

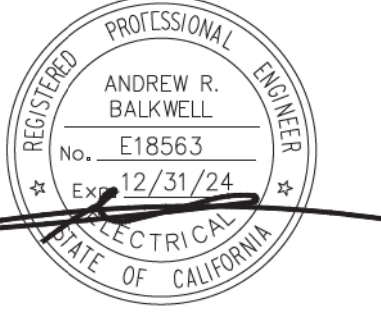
**Approved For State of California
Commercial Modular**

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Third Party Design Approval Agency (DAA)
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Plan Approval No. **MAC-CM 10045**

Approval Date: **9/3/2023**
Expiration Date: **11/30/2024**

ENGINEERING
1401 N. EL CAMINO REAL
SUITE 201
SAN CLEMENTE, CA
949-280-9743
ARBELECTRIC.COM



REVISIONS

| No. | Description |
|-----|-------------|
| | |
| | |
| | |

ISSUE DATES

| Client | Issue Date |
|--------------------|------------|
| DESIGN DEVELOPMENT | |
| HEALTH DEPARTMENT | |
| PERMIT SET | |
| CONSTRUCTION SET | |

PROJECT NAME:
20' CATERING CONTAINER
1148 INDUSTRIAL AVENUE
ESCONDIDO, CA 92029
MODEL: HFCS20-2023CATER
S/N: HFCS-20-2023
COMMERCIAL MODULAR MANUFACTURER:
FREEFORM DEVELOPMENT INC.

DATE: 8-29-2023

SCALE:

PROJECT NUMBER: 2023-003-00

EMERGENCY LIGHTING
PHOTOMETRIC PLAN

SHEET TITLE:

SHEET NUMBER
E111



| Luminaire Schedule | | | | | | |
|--------------------|-----|----------------|-------------|----------------|-------|-------------------|
| Symbol | Qty | Label | Arrangement | Description | LLF | Total Lamp Lumens |
| • | 1 | C-EE-A-EMG-DEC | Single | C-EE-A-EMG-DEC | 1.000 | N.A. |

| Calculation Summary | | | | | | | | |
|---------------------|-------------|-------|------|-----|-----|---------|---------|--|
| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min | |
| OUTDOOR | Illuminance | Fc | 2.58 | 3.7 | 1.8 | 1.43 | 2.06 | |

GENERAL LIGHTING PHOTOMETRIC PLAN

SCALE: 3/4" = 1'-0"

**Approved For State of California
Commercial Modular**

By
MA Consulting & Engineering MACE, LLC.
Third Party Design Approval Agency (DAA)
Certificate Number: DM1570821

These plans have been approved pursuant to the
provisions of The State of California Health and Safety
Code, Division 13, Part 2 and California Code of
Regulations, Title 25, Chapter 3, Subchapter 2

Plan Approval No. **MAC-CM 10045**

Approval Date: **9/3/2023**

Expiration Date: **11/30/2024**

ENGINEERING
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SUITE 201
SAN CLEMENTE, CA
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A | R | B



REVISIONS

| No. | Description |
|-----|-------------|
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| | |

ISSUE DATES

| Client | Design Development | Health Department | Permit Set | Construction Set |
|--------|--------------------|-------------------|------------|------------------|
| | | | | |

PROJECT NAME:
20' CATERING CONTAINER
1148 INDUSTRIAL AVENUE,
ESCONDIDO, CA 92029
MODEL: HFCS20-2023CATER
S/N: HFCS-20-2023
COMMERCIAL MODULAR MANUFACTURER:
FREEFORM DEVELOPMENT INC.

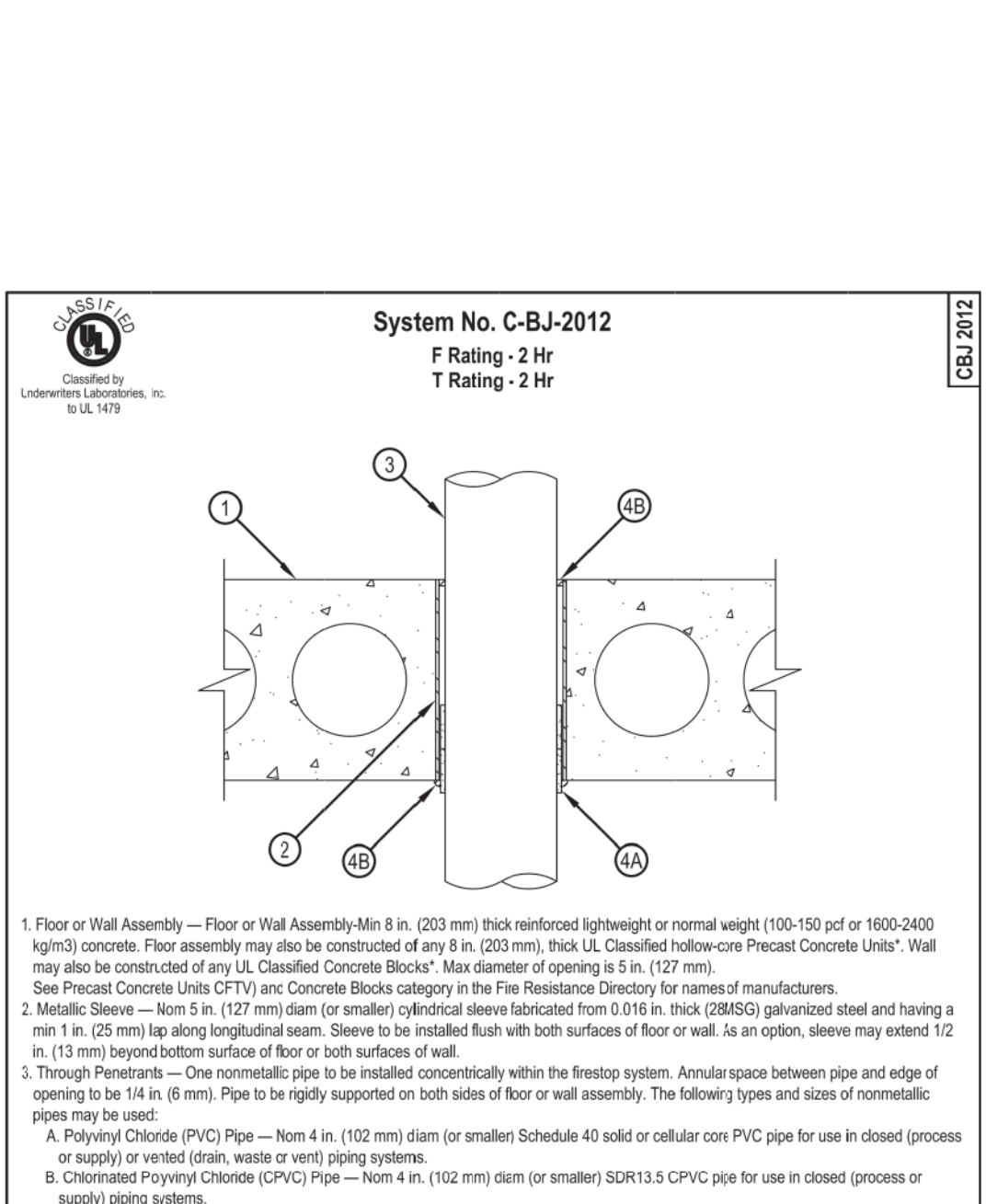
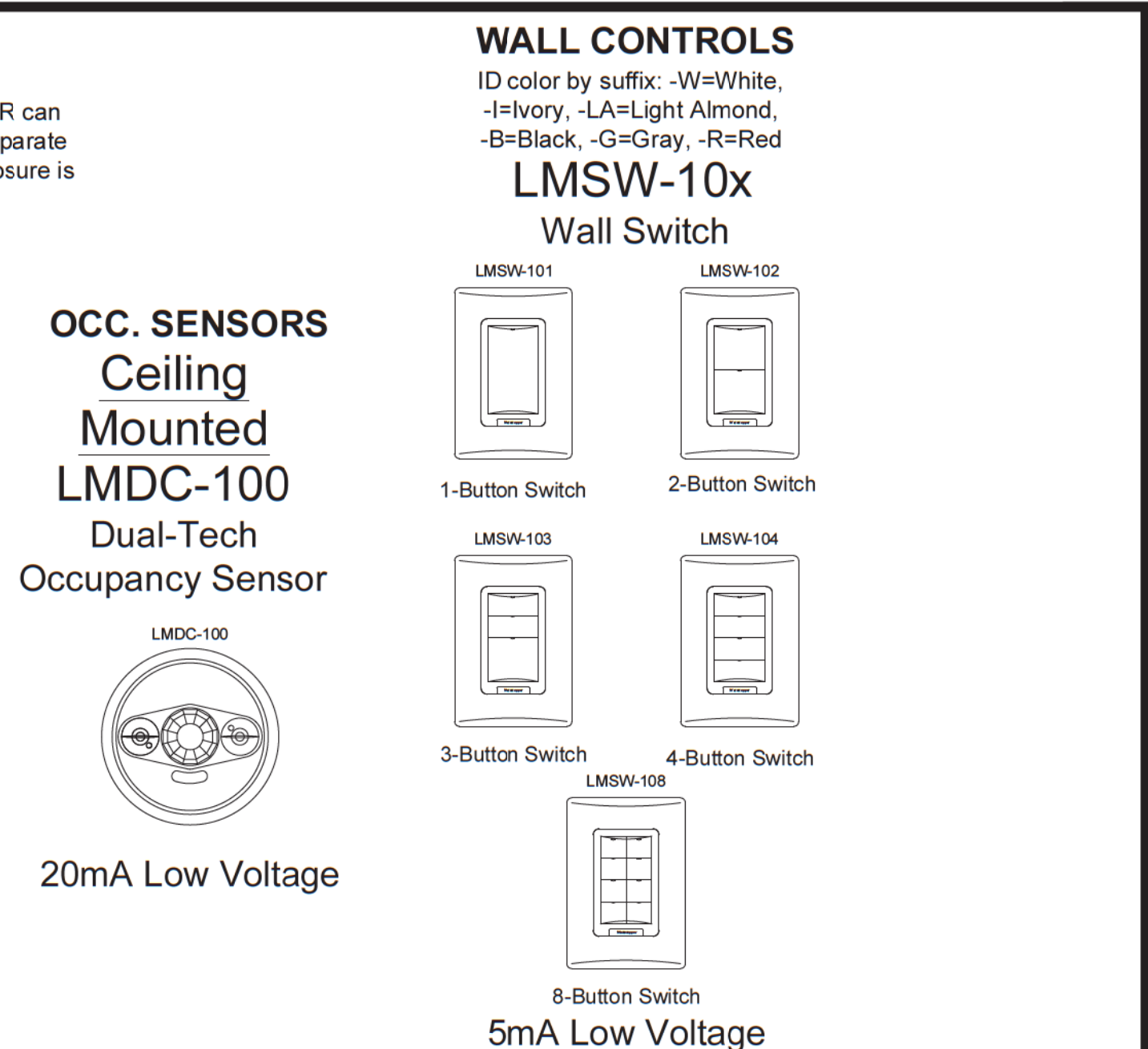
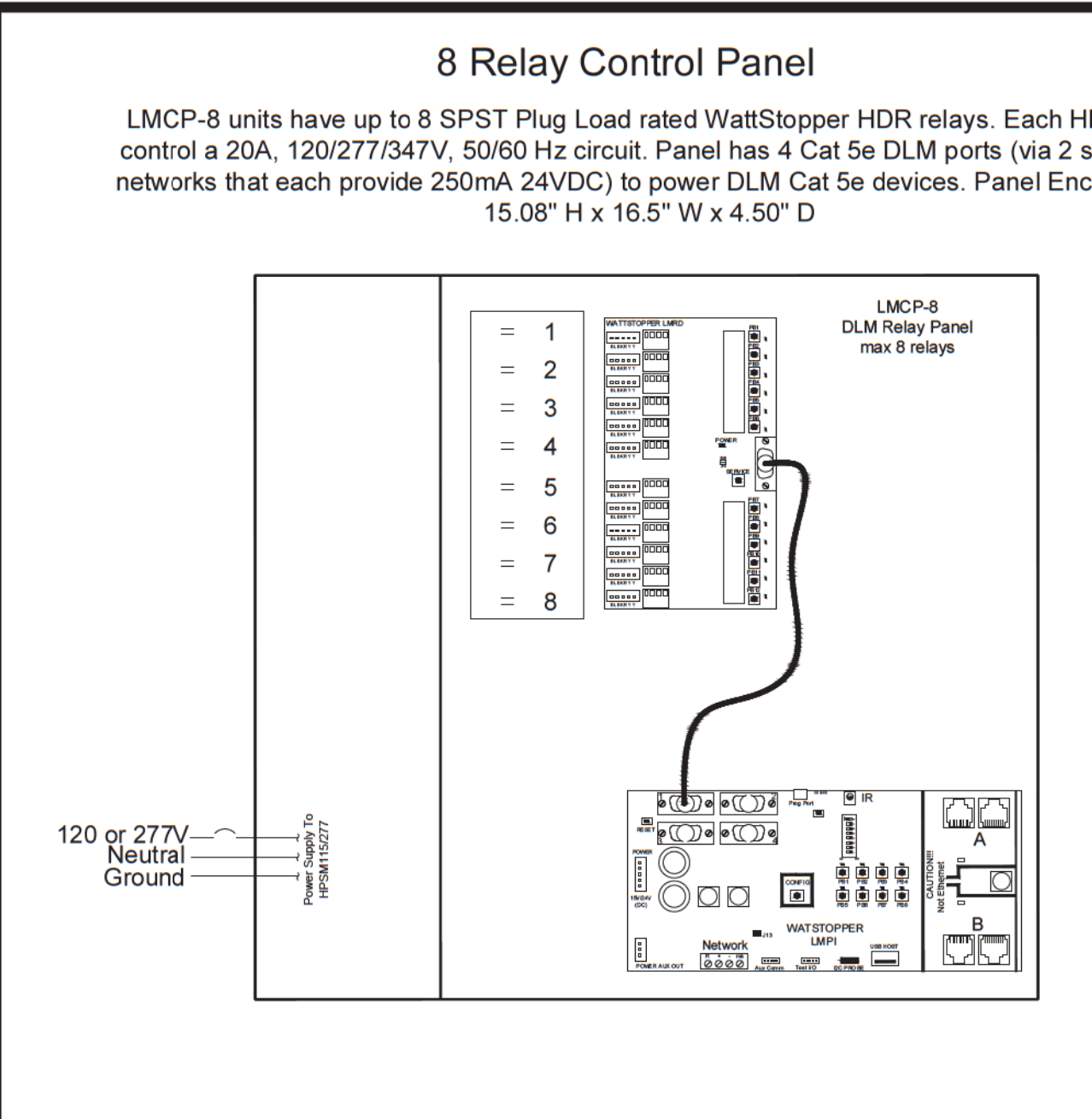
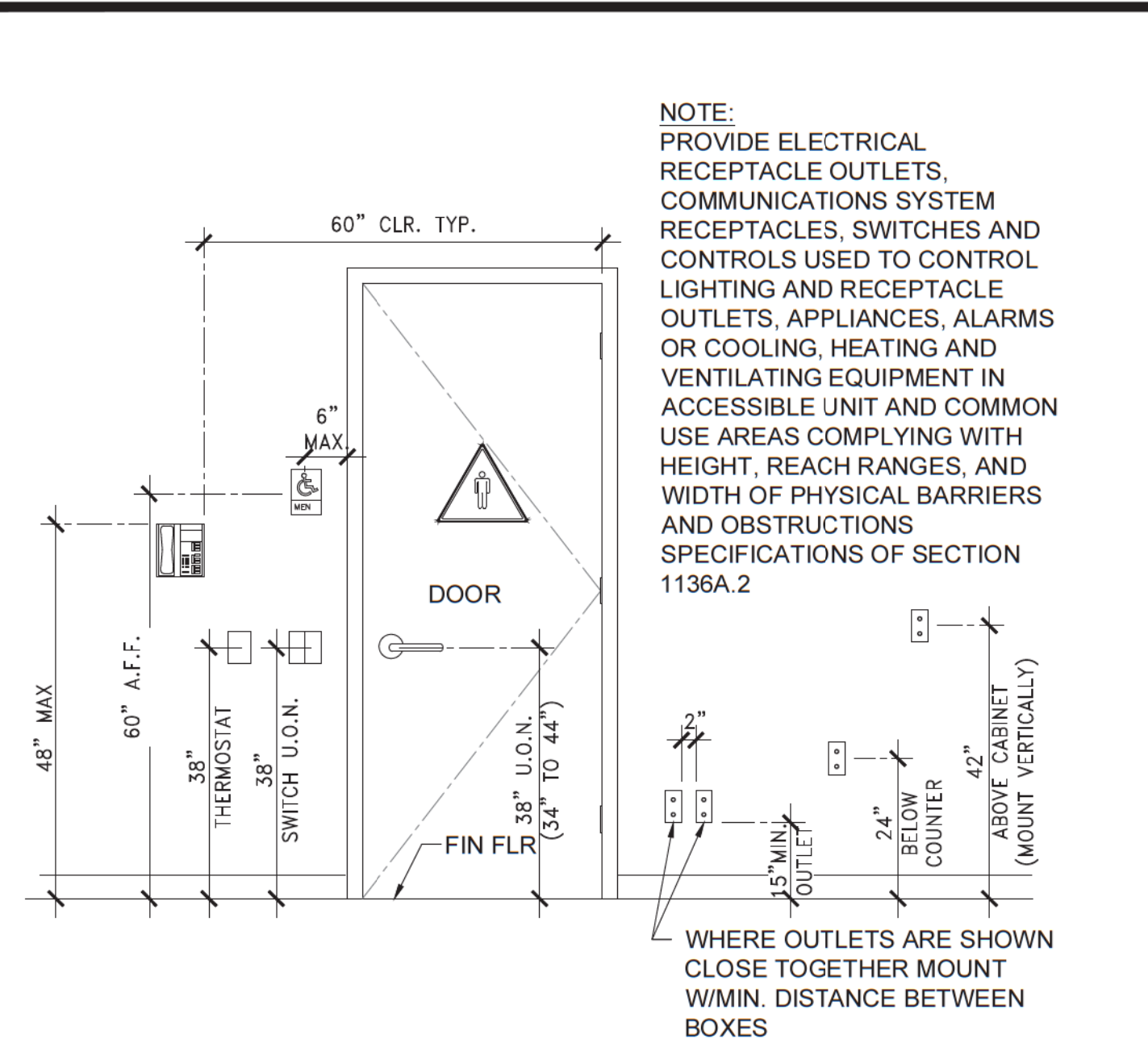
DATE: 8-29-2023
SCALE:

PROJECT NUMBER: 2023-003-00

GENERAL LIGHTING
PHOTOMETRIC PLAN

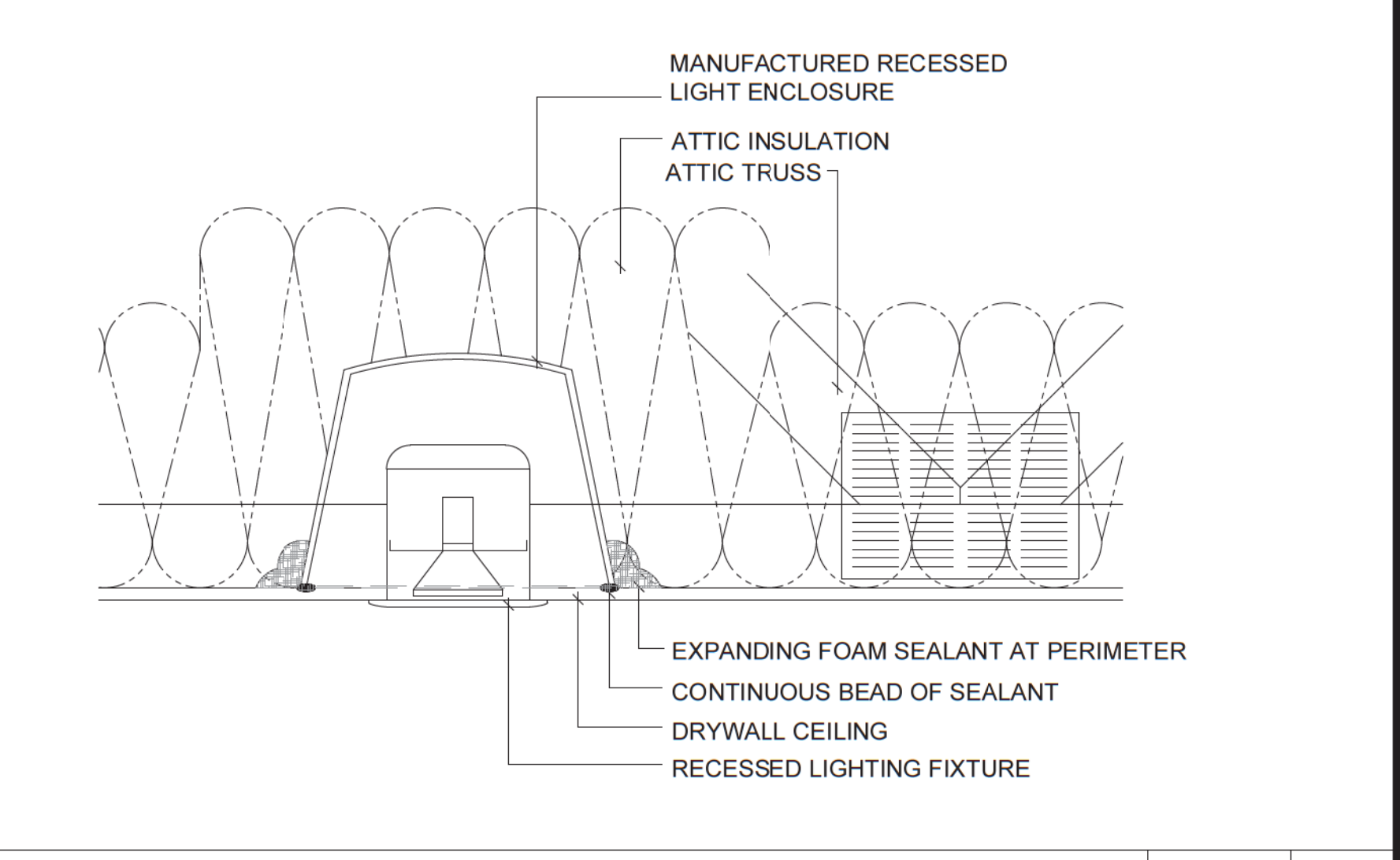
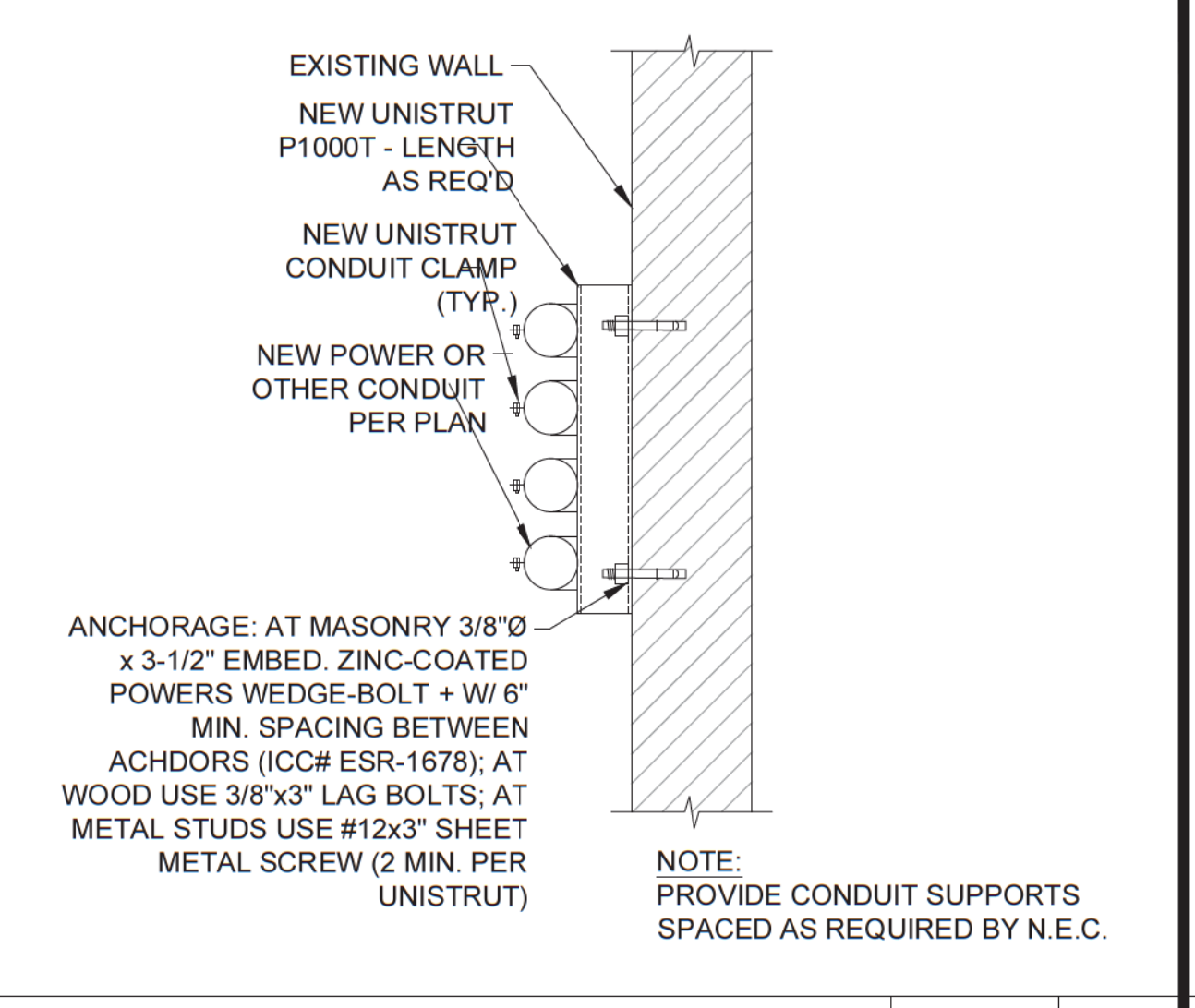
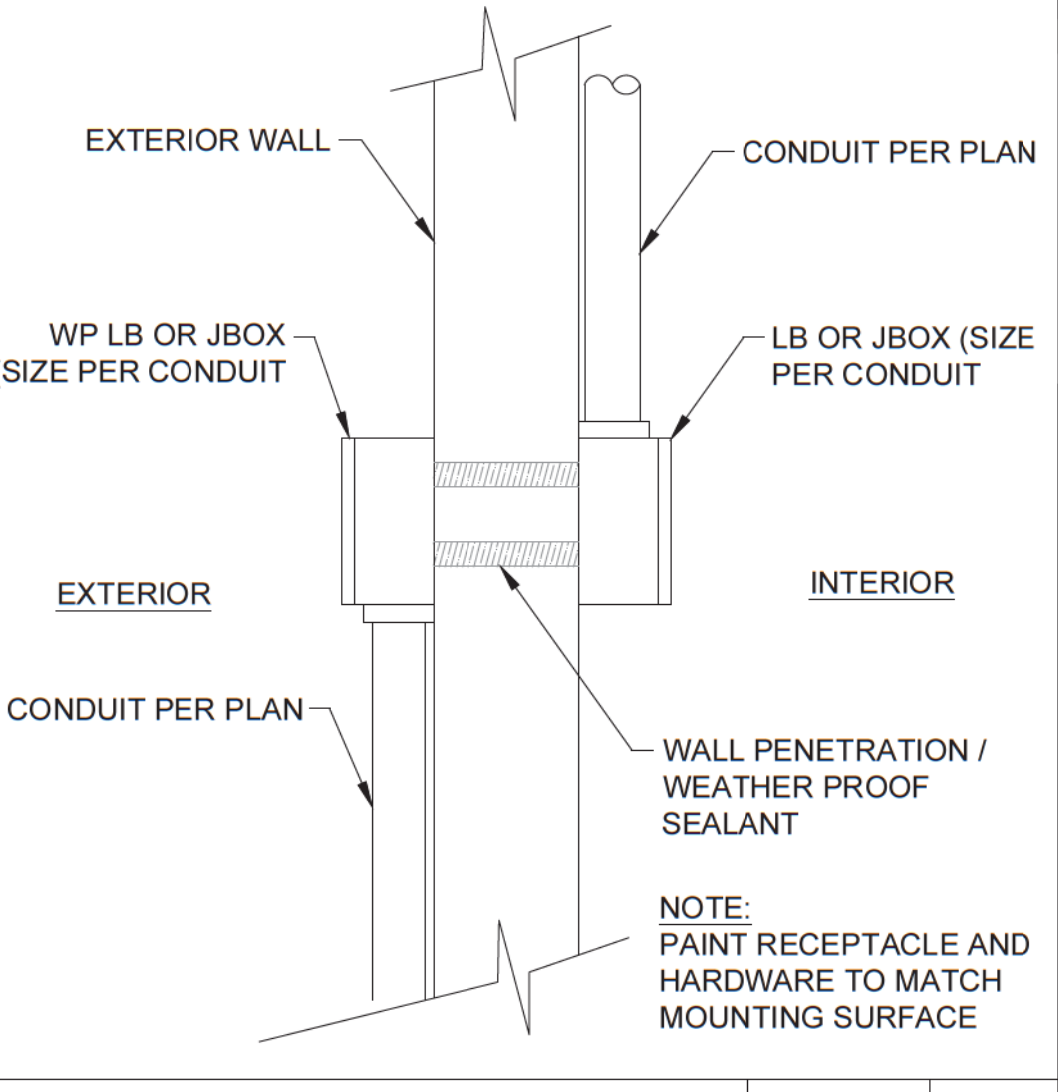
SHEET TITLE:

SHEET NUMBER
E112



TYPICAL MOUNTING HEIGHTS SCALE: 1 N.T.S.

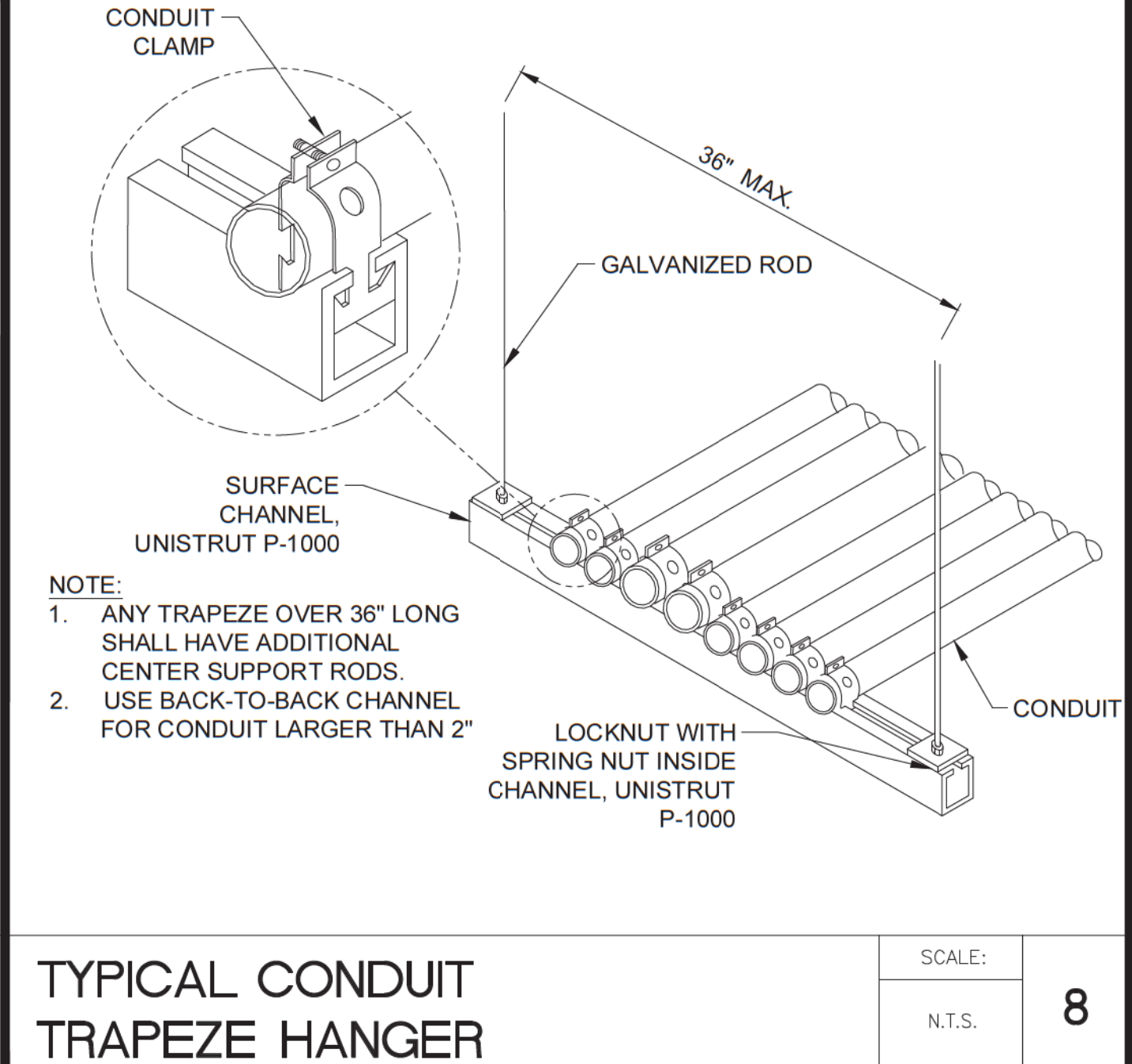
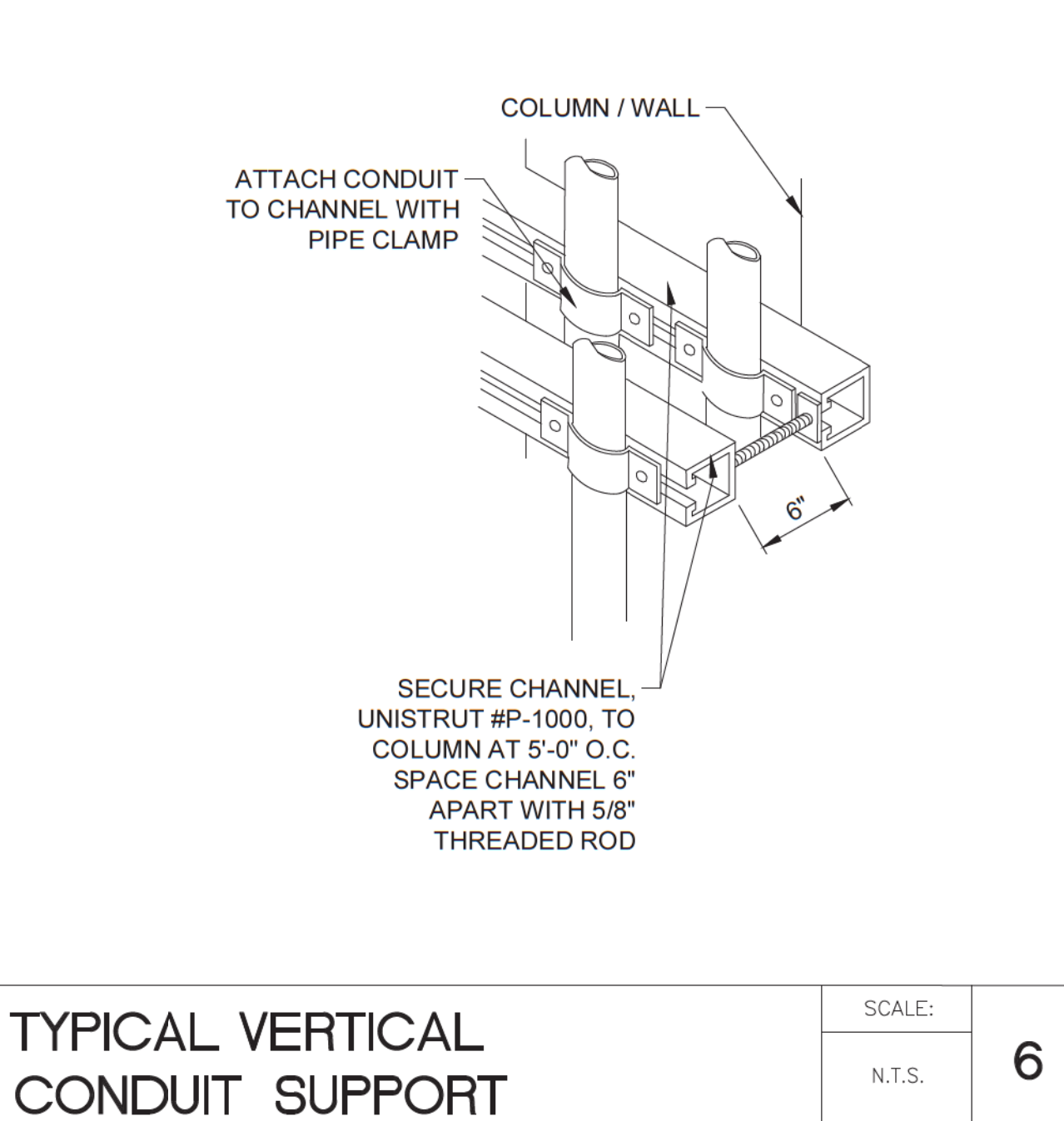
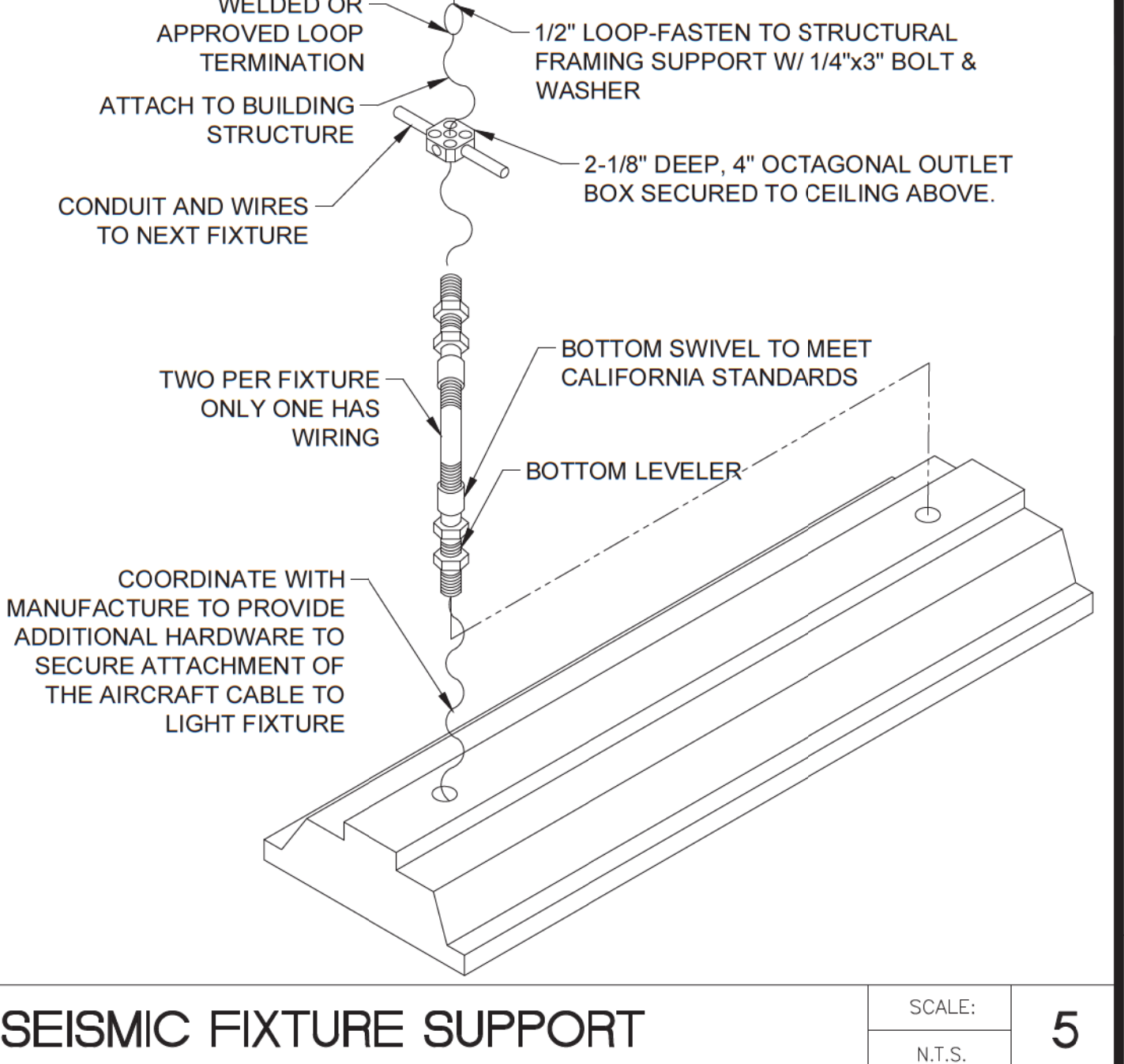
120V 8-POLE LIGHTING CONTROL PANEL SCALE: 2 N.T.S.



WALL PENETRATION SCALE: 3 N.T.S.

CONDUITS MOUNTING ON WALL SCALE: 4 N.T.S.

FIRE RATED RECESSED FIXTURE INSTALLATION SCALE: 7 N.T.S.



SEISMIC FIXTURE SUPPORT SCALE: 5 N.T.S.

TYPICAL VERTICAL CONDUIT SUPPORT SCALE: 6 N.T.S.

TYPICAL CONDUIT TRAPEZE HANGER SCALE: 8 N.T.S.

1 Floor or Wall Assembly — Floor or Wall Assembly—Min 8 in. (203 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Floor assembly may also be constructed of any 8 in. (203 mm) thick UL Classified hollow-core Precast Concrete Units*. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diameter of opening is 5 in. (127 mm). See Precast Concrete Units (CTU) and Concrete Blocks category in the Fire Resistance Directory for names of manufacturers.

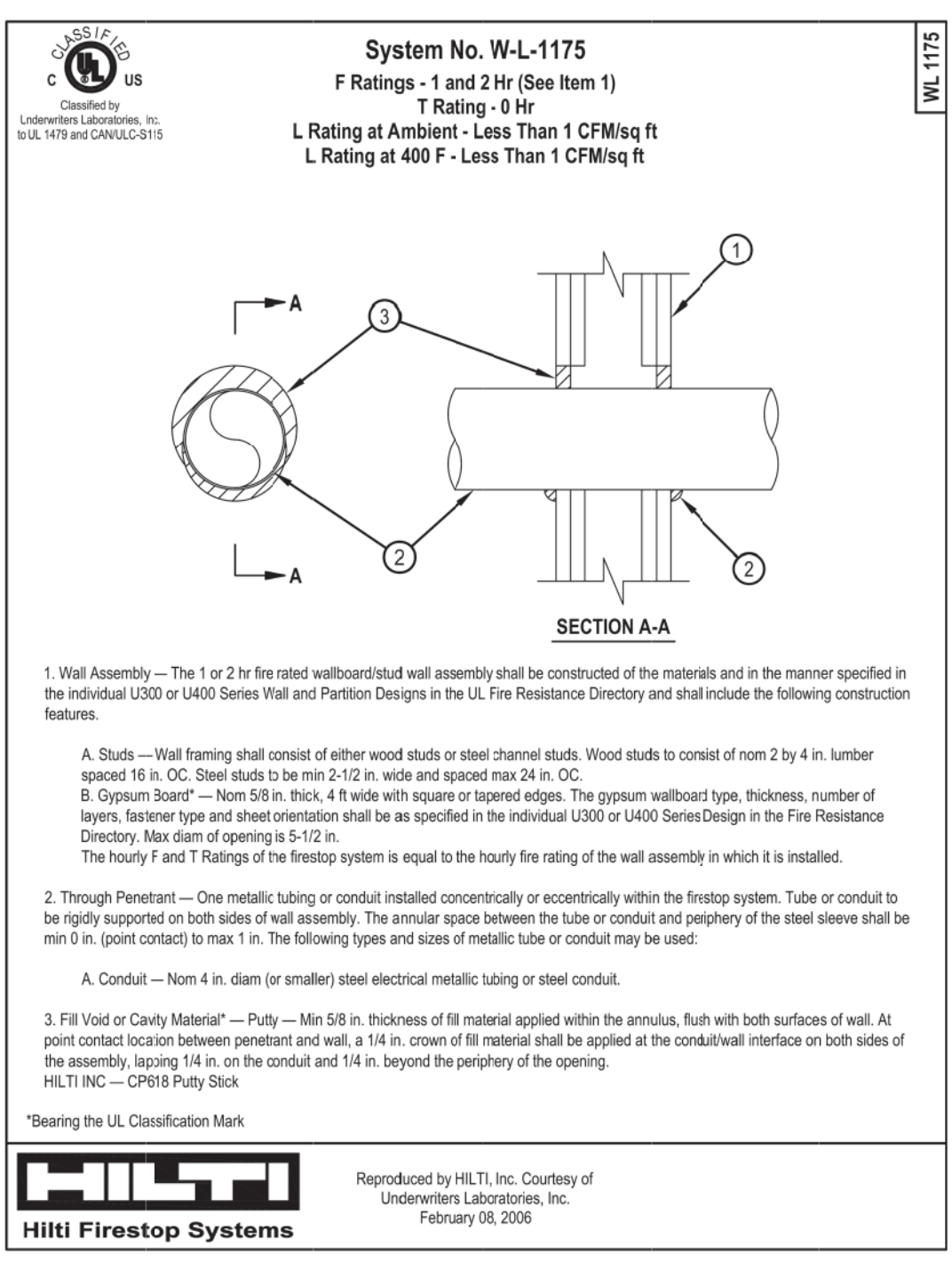
2 Metallic Sleeve — Nom 5 in. (127 mm) diam (or smaller) cylindrical sleeve fabricated from 0.018 in. thick (28MS) galvanized steel and having a min 1 in. (25 mm) lip along longitudinal seam. Sleeve to be installed flush with both surfaces of floor or wall. As an option, sleeve may extend 1/2 in. (13 mm) beyond bottom surface of floor or both surfaces of wall.

3 Through Penetrants — One nonmetallic pipe to be installed concentrically within the firestop system. Annular space between pipe and edge of opening to be 1/4 in. (6 mm). Pipe to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of nonmetallic pipes may be used:
 A. Polyvinyl Chloride (PVC) Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid or cellular com PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
 B. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 4 in. (102 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.

4 Firestop System — The firestop system shall consist of the following:
 A. Fill, Void or Cavity Material** — Wrap Strip — Nom 3/16 in. (5 mm) thick by 1-3/4 in. (44 mm) wide intumescent wrap strip. Two stacks of wrap strip, consisting of one layer each, tightly wrapped around pipe with ends butted and held in place with tape. Wrap strip installed at bottom of floor such that 1/2 in. (13 mm) extends beyond bottom surface of floor of both surfaces of wall.
 HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. — CP 548-E W451-3M* Wrap Strip
 B. Fill, Void or Cavity Material** — Sealant — Min. 1 1/4 in. (31 mm) thickness of fill material applied within the annulus, flush with top surface of floor.
 HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems
 Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. January 14, 2015



1 Wall Assembly — The 1 or 2 hr fire rated wall/partition/wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
 A. Studs — Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.
 B. Gypsum Board — Nom 5/8 in. thick 4-ft wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the Fire Resistance Directory. Max diam of opening is 5-1/2 in. The hourly F and T Ratings of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2 Through Penetrant — One metallic tubing or conduit installed concentrically within the firestop system. Tube or conduit to be rigidly supported on both sides of wall assembly. The annular space between the tube or conduit and periphery of the steel sleeve shall be min 0 in. (point contact) to max 1 in. The following types and sizes of metallic tube or conduit may be used:
 A. Conduit — Nom 4 in. diam (or smaller) steel electrical metallic tubing or steel conduit.

3 Fill Void or Cavity Material** — Putty — Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. At point contact location between penetrant and wall, a 1/4 in. crown of fill material shall be applied at the conduit/wall interface on both sides of HILTI INC. — CP58 Putty Stick

**Bearing the UL Classification Mark

Hilti Firestop Systems
 Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. February 08, 2008

System No. W-L-1175 F Ratings - 1 and 2 Hr (See Item 1) T Rating - 0 Hr L Rating at Ambient - Less Than 1 CFM/sq ft L Rating at 400 F - Less Than 1 CFM/sq ft SCALE: N.T.S.

ENGINEERING
 1401 N. EL CAMINO REAL
 SUITE 201
 SAN CLEMENTE, CA
 949-280-9743
 ARBLECTRIC.COM



REVISIONS

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ISSUE DATES

| | |
|--------------------|--|
| CLIENT | |
| DESIGN DEVELOPMENT | |
| HEALTH DEPARTMENT | |
| PERMIT SET | |
| CONSTRUCTION SET | |

PROJECT NAME:
20' CATERING CONTAINER
 1148 INDUSTRIAL AVENUE,
 ESCONDIDO, CA 92029
 MODEL: HFGS20-2023CATER
 S/N: HFGS-20-2023
 COMMERCIAL MODULAR MANUFACTURER:
 FREEFORM DEVELOPMENT INC.

DATE: 8-29-2023
 SCALE:
 PROJECT NUMBER: 2023-003-00

ELECTRICAL GENERAL DETAILS
 SHEET TITLE:
 SHEET NUMBER

E201

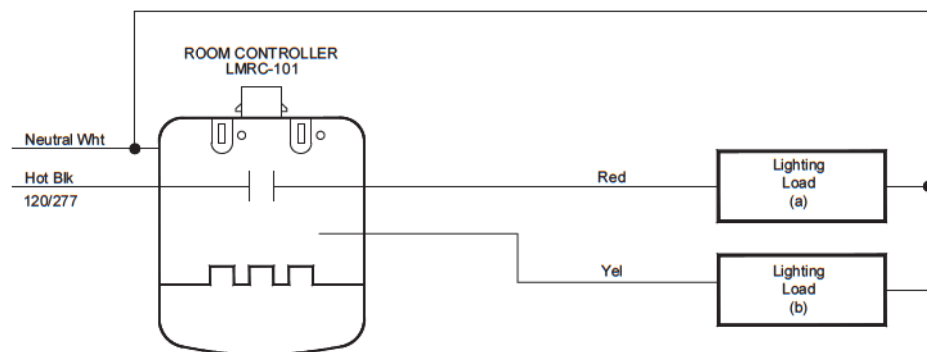
Approved For State of California
 Commercial Modular
 By
 MA Consulting & Engineering MACE, LLC.
 Third Party Design Approval Agency (DAA)
 Certificate Number: DM1570821
 These plans have been approved pursuant to the provisions of The State of California Health and Safety Code, Division 13, Part 2 and California Code of Regulations, Title 25, Chapter 3, Subchapter 2
 Plan Approval No. MAC-CM 10045
 Approval Date: 9/3/2023
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LOAD CONTROLLERS (ROOM and FIXTURE)

ON/OFF Room Controllers

LMRC-10x rated 20A, 120/230/240/277VAC, 50/60 Hz, have 3-Cat 5e DLM ports, and provide 150mA 24VDC for DLM devices (see 4 max rule for LMRC-10x/LMPB-100/LMPL-101)

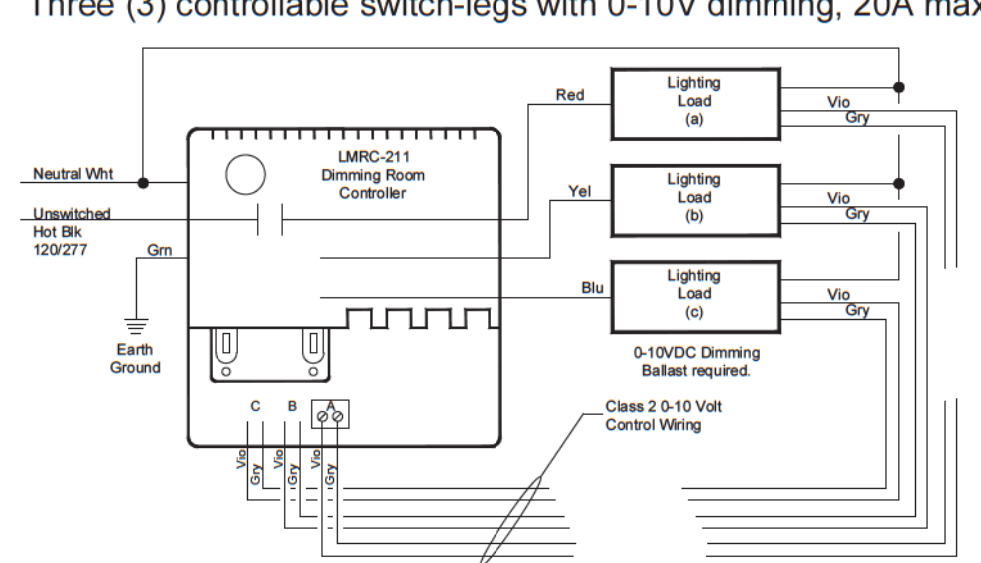
LMRC-102 (LMRC-101 not shown)
2-RELAY ON/OFF CONTROLLER
Two (2) controllable switch-legs, 20A max



0-10V Dimming Room Controllers

LMRC-21x units are rated for 20A, 120/230/240/277VAC 50/60 Hz input circuit (or 347VAC), have 4-Cat 5e DLM ports, an Input Current Monitor, and intelligently provide 250mA 24VDC for DLM Cat 5e devices

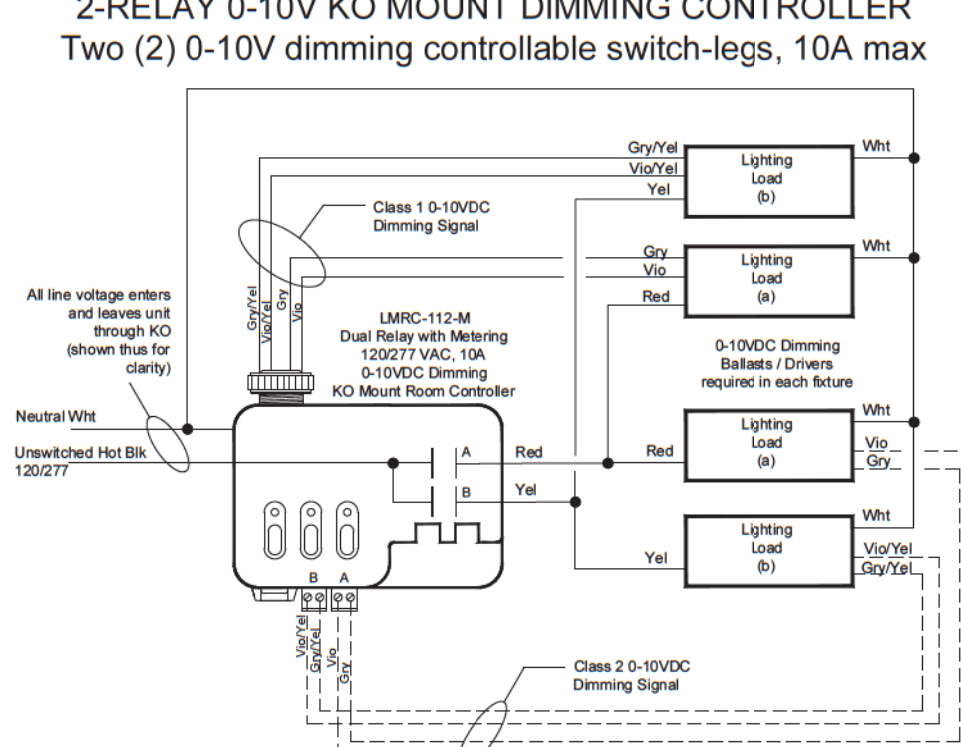
LMRC-213 (LMRC-211, LMRC-212, and "-347" versions not shown)
3-RELAY 0-10V DIMMING CONTROLLER
Three (3) controllable switch-legs with 0-10V dimming, 20A max



KO Mount 0-10V Dim. Room Controllers

LMRC-11x rated for a 10A, 120/277V 50/60 Hz input circuit (347VAC version soon), have 2-Cat 5e DLM ports, and intelligently provide 150mA 24VDC to power DLM Cat 5e devices. -M suffix includes a Current and Voltage Input Meter.

LMRC-112-M (LMRC-111, LMRC-111-M, and LMRC-112 not shown)
2-RELAY 0-10V KO MOUNT DIMMING CONTROLLER
Two (2) 0-10V dimming controllable switch-legs, 10A max



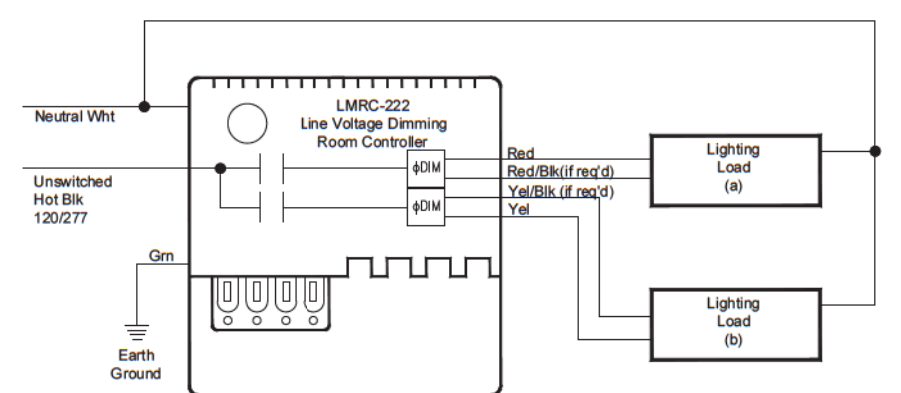
Notes:
• Class 1 and Class 2 wires can be used individually or together.
• A "-M" suffix identifies units with an internal Voltage and Current monitoring circuit.

Forward Phase Dimming Room Controllers

LMRC-22x rated 20A, 120/277V, 50/60 Hz, have 4-Cat 5e DLM ports, Input Current Monitor, and intelligently provide 250mA 24VDC power for DLM devices.

Uses Forward Phase Dimming for three different load types:
Type 1) Incandescent, MLV, some ELV / LED, Cold Cathode, Neon;
Type 2) 2-wire dimming Ballast/Driver (ie Advance Mark 10); or
Type 3) 3-wire dimming Ballast/Driver (ie Lutron Hi-Lume).
Do not share neutrals on different types of dimming loads
Do not mix different dimming load types on an LMRC-222
Do not mix different dimming load types on a circuit

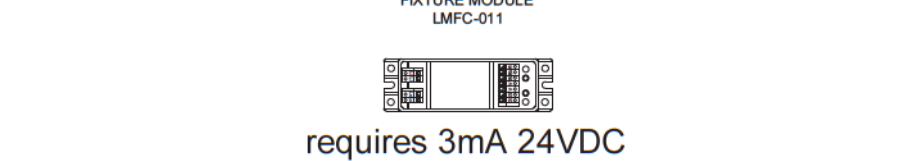
LMRC-222 (LMRC-221 not shown)
2-RELAY FORWARD PHASE DIMMING CONTROLLER
Two (2) dimmable controllable switch-legs



0-10V Dimming Fixture Controller

LMFC-011 rated 3A, 120/277V, 50/60 Hz. Connects via LMFC-xRJ adaptor to DLM room devices. Provides 0mA (zero) to Cat 5e, so LMZC-301 or other Load Control DLM device required.

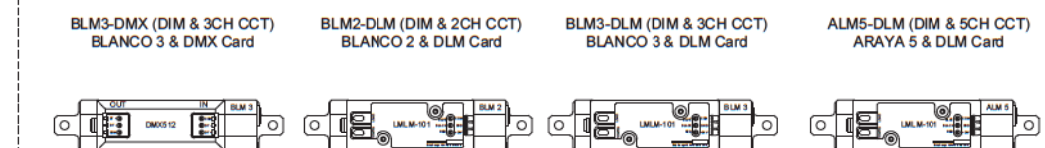
LMFC-011
INDIVIDUAL 0-10V FIXTURE CONTROLLER
One (1) 0-10V dimming controllable switchleg 3A



Blanco/ARAYA w/DLM Control Card

BLANCO/ARAYA LED Logic Module (LM) with DLM Control Card. Each counts as 1 DLM load & 1 DLM device. Use two for direct / indirect fixtures. DLM Card (Cat # LMLM-101) connects via LMFC-xRJ adaptor DLM room devices. Requires 2mA 24VDC from Cat 5e. LM can instead use a DMX Card for LCAP Architectural Dimming, or no card for 0-10V input(s).

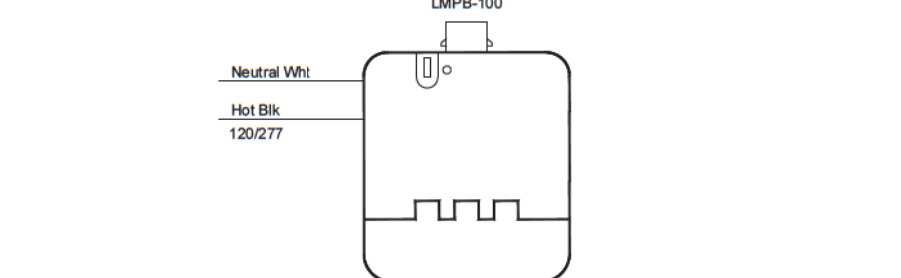
BLM1, BLM2, BLM3, ALM5 - 010, DLM or DMX
INDIVIDUAL FIXTURE LOGIC MODULE & OPT. CONTROL CARD
Each LM Drives max. 8' LED Array



Power Booster

LMPB-100 requires a 120/277VAC, 50/60 Hz power, has 3-Cat 5e DLM ports, and provide 150mA 24VDC to power DLM Cat 5e devices (see 4 max rule for LMRC-10x/LMPB-100/LMPL-101)

LMPB-100
POWER BOOSTER
Does not control any switchlegs

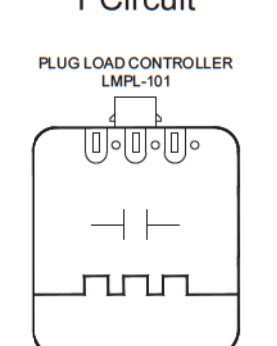


PLUG LOAD SOLUTIONS

ON/OFF Plug Load Controllers

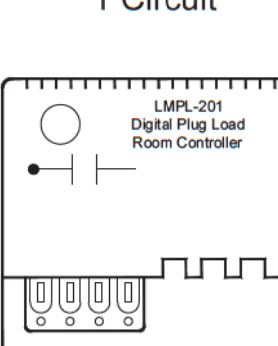
LMPL-xxx units are UL Listed for Plug Load control. They are rated for 20A, 120V 60 Hz input circuit, have 3-Cat 5e DLM ports, and provide 150 or 250mA 24VDC to power DLM Cat 5e devices (Note LMCP relays are also Plug Load rated).

LMPL-101
Basic Plug Load
1 Circuit



Provides 150mA 24VDC power for DLM devices (see 4 max rule for LMRC-101/ LMPB-100/LMPL-101)

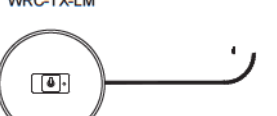
LMPL-201
Enhanced Plug Load
1 Circuit



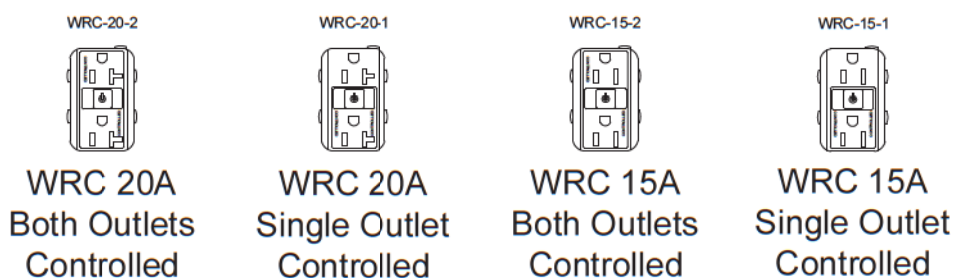
Includes current monitor, provides 250mA 24VDC power for DLM devices.

WRC Series

WRC-TX-LM Wireless Transmitter and WRC-XX-X Controlled Decorator Receptacles. Transmitter controls max 16 receptacles up to 30' (further with direct line of sight). ID Receptacle color by suffix: -W=White, -I=Ivory, -LA=Light Almond, -B=Black, -G=Gray



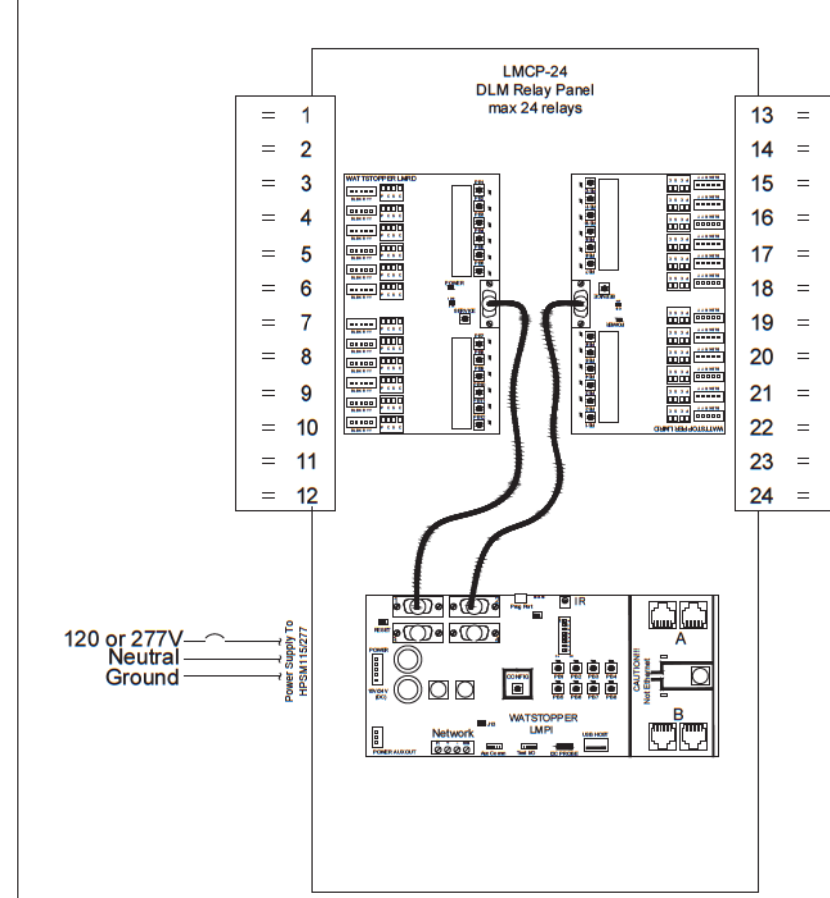
DLM Wireless Transmitter
for WRC Controlled Receptacles
requires 3mA 24VDC



LIGHTING CONTROL PANELS

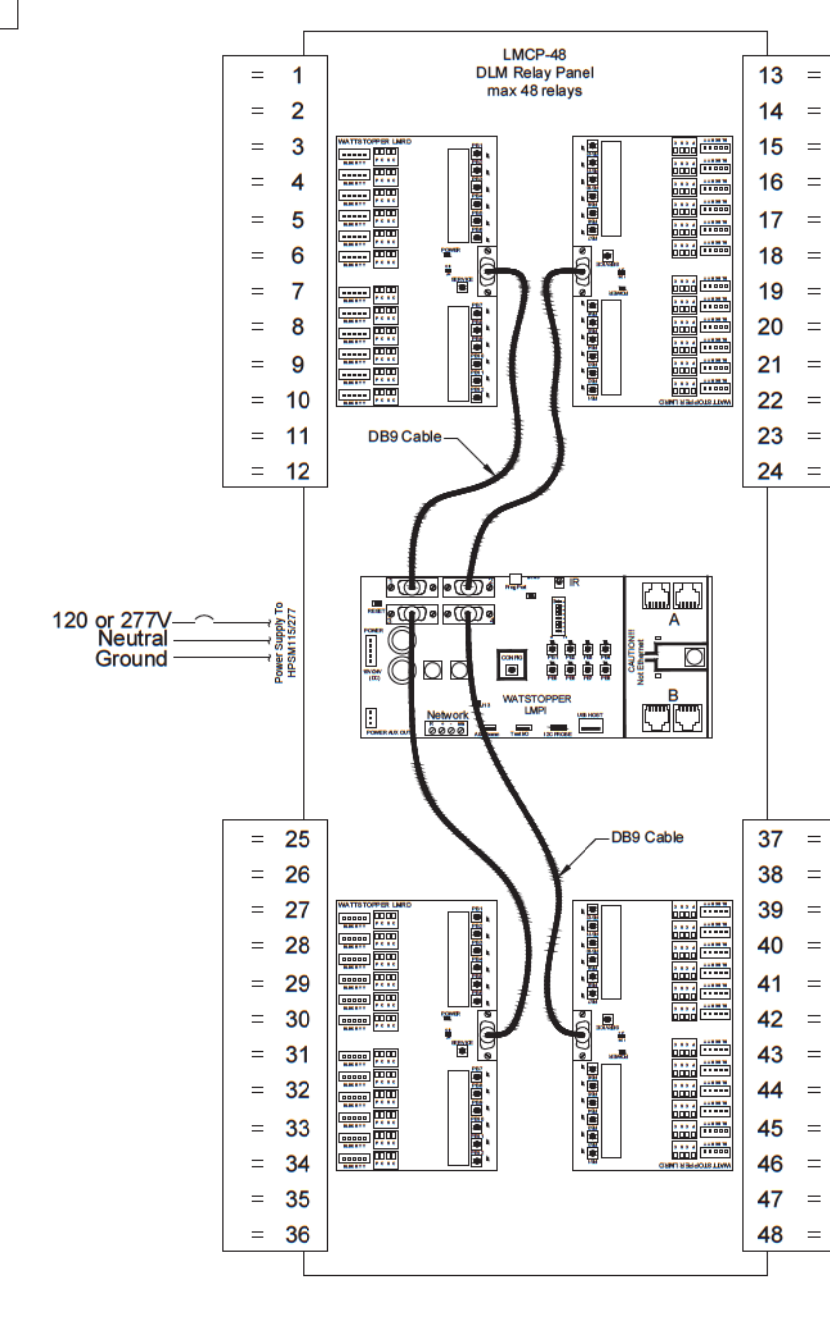
24 Relay Control Panel

LMCP-24 units have up to 24 SPST Plug Load rated WattStopper HDR relays. Each HDR can control a 20A, 120/277/347V, 50/60 Hz circuit. Panel has 4 Cat 5e DLM ports (via 2 separate networks that each provide 250mA 24VDC) to power DLM Cat 5e devices. Panel Enclosure is 31.38" H x 23.88" W x 4.5" D



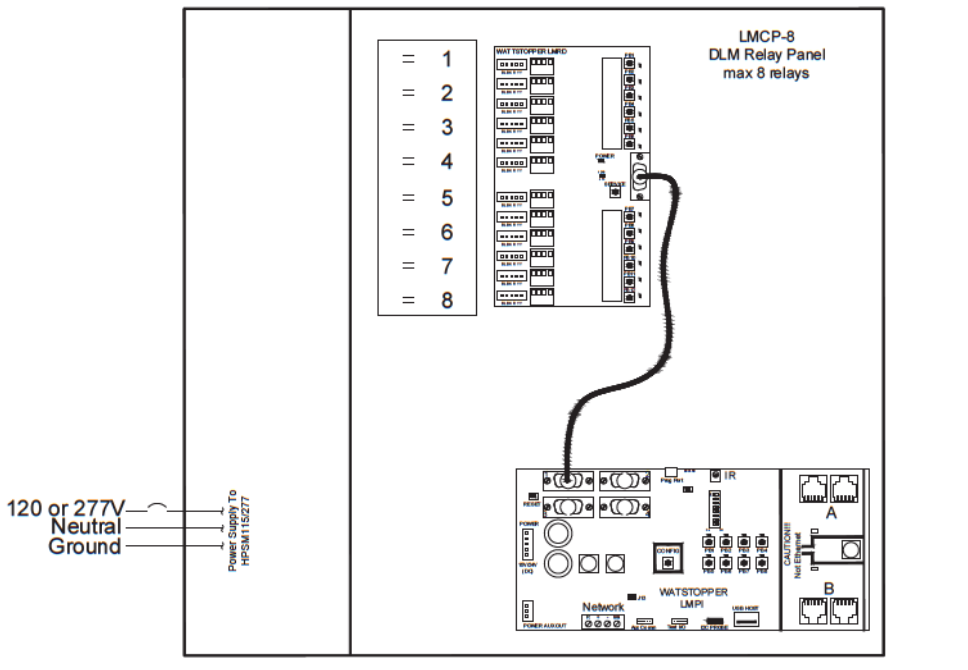
48 Relay Control Panel

LMCP-48 units have up to 48 SPST Plug Load rated WattStopper HDR relays. Each HDR can control a 20A, 120/277/347V, 50/60 Hz circuit. Panel has 4 Cat 5e DLM ports (via 2 separate networks that each provide 250mA 24VDC) to power DLM Cat 5e devices. Panel Enclosure is 43.88" H x 23.88" W x 4.5" D



8 Relay Control Panel

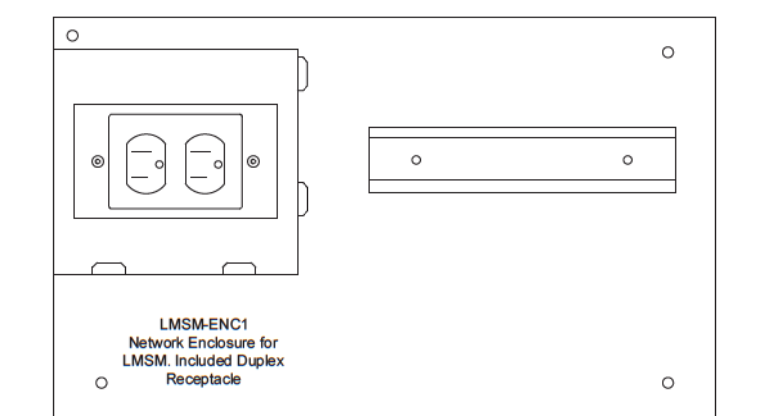
LMCP-8 units have up to 8 SPST Plug Load rated WattStopper HDR relays. Each HDR can control a 20A, 120/277/347V, 50/60 Hz circuit. Panel has 4 Cat 5e DLM ports (via 2 separate networks that each provide 250mA 24VDC) to power DLM Cat 5e devices. Panel Enclosure is 15.08" H x 16.5" W x 4.50" D



ACCESSORY ENCLOSURES

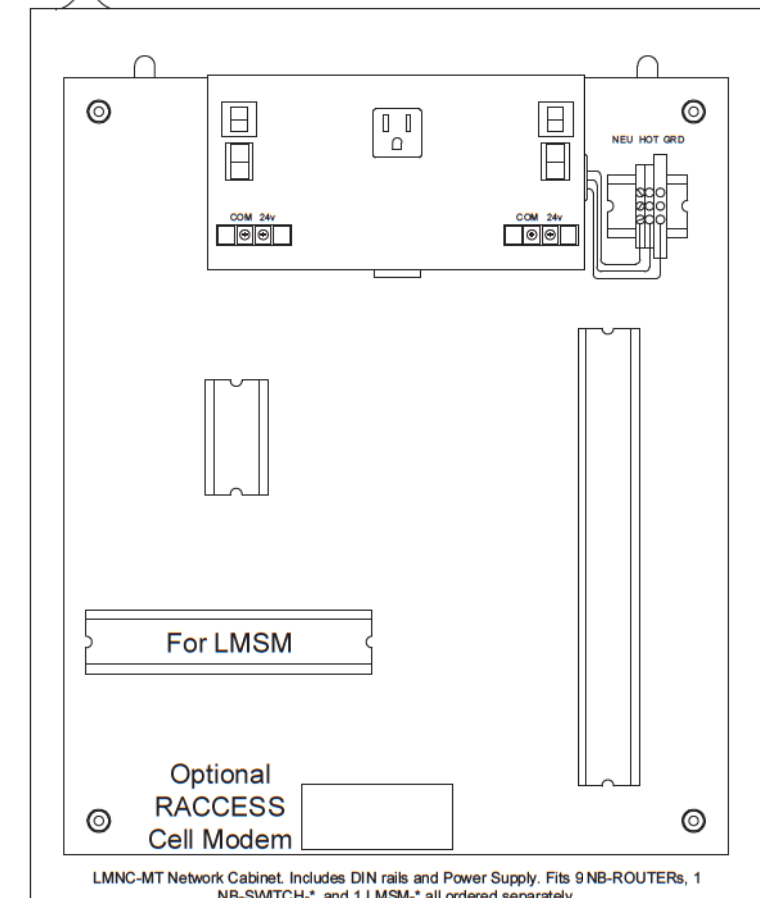
SegMan Enclosure

LMSM-ENC1 enclosure is for a LMSM unit. A duplex receptacle is included - one outlet to power the LMSM unit, one for convenience. LMSM must be ordered separately. Enclosure is 8.5" H x 14" W x 4.5" D



Network Cabinet

LMNC-* cabinet includes a power supply and DIN rails for typical DLM Network devices. The LMNC is available with no networking devices (-MT), or with anywhere from 3 to 9 NB-ROUTERS installed and pre-wired to the power supply (-3 to -9). Power supply includes 2 120V outlets - one for SegMan adaptor, and one for convenience. LMNC-3 & -4 include a NB-SWITCH-8, -5 to -9 units include a NB-SWITCH-16. LMSM must be ordered separately. Cabinet is 20" H x 16" W x 8.62" D

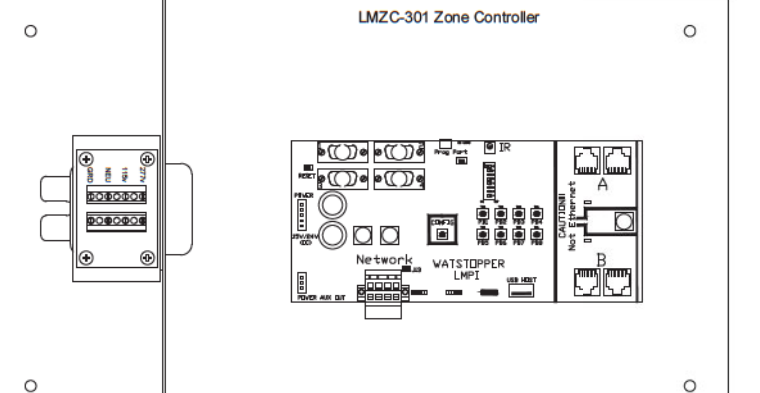


Remote Access Service

RACCESS is a combination hardware, software and cellular solution that can be added to projects with a LMSM-3E or -6E. A cellular modem and 12" magnetic antenna is provided to enable remote site communication and services for 1 year.

Zone Controller

LMZC-301 enclosure houses a LMPI intelligence card for 2 separate Cat 5e IRB networks (A&B) to connect to remote DLM devices needing power, Time of Day or Astro functions. Cabinet is 10" H x 17.125" W x 5.75" D



Revised: August 29, 2023. Support available at 800 879-8585
CAD@wattstopper.com or charles.knuffke@legrand.us
Note: Not all DLM Devices are drawn to exact scale.

Wattstopper Digital Lighting Management (DLM) Typical Wiring Details

Based on a visionary drawing by Tom Herlthy of OCS, San Diego



Approved For State of California
Commercial Modular
By
MA Consulting & Engineering MACE, LLC.
Third Party Design Approval Agency (DAA)
Certificate Number: DM1570821

These plans have been approved pursuant to the provisions of The State of California Health and Safety Code, Division 13, Part 2 and California Code of Regulations, Title 25, Chapter 3, Subchapter 2

Plan Approval No. MAC-CM10045
Approval Date: 9/3/2023
Expiration Date: 11/30/2024

ENGINEERING
1401 N. EL CAMINO REAL
SUITE 201
SAN CLEMENTE, CA
949-280-9743
ARBELECTRIC.COM



REVISIONS

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ISSUE DATES

| | |
|--------------------|--|
| CLIENT | |
| DESIGN DEVELOPMENT | |
| HEALTH DEPARTMENT | |
| PERMIT SET | |
| CONSTRUCTION SET | |

PROJECT NAME:
20' CATERING CONTAINER
1148 INDUSTRIAL AVENUE,
ESCONDIDO, CA 92029
MODEL: HFGS20-2023CATER
S/N: HFGS-20-2023
COMMERCIAL MODULAR MANUFACTURER:
PREFORM DEVELOPMENT INC.

DATE: 8-29-2023
SCALE:

PROJECT NUMBER: 2023-003-00

LIGHTING CONTROL DETAILS

SHEET TITLE:

SHEET NUMBER
E202

DLM RULES & BEST PRACTICES

DLM INSIDE THE ROOM

- Always power Room Controllers with a constant hot (unswitched) circuit.
- Use WS LMRJ-xx Cat 5e cables for reliable communication.
- No more than 4 total 100 series room controllers (RCs) LMRJ-10x / LMRJ-101 / LMRJ-100 on a DLM Cat 5e Room Network (aka IRB "In Room Bus"). Other DLM RCs and LMCPs have smart power supplies, so you can have a DLM max of 64 loads or 48 devices. (IRBs with only 100 series RCs have a max of 24 devices and 8 loads.)
- Check total mA consumption of DLM devices against total current available from all LMRCs, LMCPs & LMZCs on the Cat 5e network to a max of 800mA. LMRJ-10x / LMRJ-100 / LMRJ-101 will not limit their 150mA current which is why their 4 unit max. Other LMRCs, LMCPs & LMZCs will limit their current on Cat 5e room network to ≤ 800mA.
- Don't overload rooms: DLM allows 150' Cat 5e (free topology) per intelligent DLM device, to a max of 1,000' per IRB. Suggest rooms have < 32 loads (and never more than 4 total 100 series RCs and < 24 DLM devices unless reviewed by Project Management).
- 2 & 3 Relay Room Controllers are for multi-level lighting or multiple zones inside a room, not multiple rooms.
- Rooms ideally should have only one "occupancy state". Multiple occupancy zones in a room are possible, but makes setup more challenging.
- LMLS units require another DLM device (LMCP, OS, etc...) to set initial On state, else set Load to "Auto On" in LMCS.
- Pay attention to all LMRJ-22x warnings: 1) Don't share neutrals; 2) Don't mix dimming loads types on LMRJ-22s; 3) Every dimming load type should be on separate circuits.

DLM NETWORKING (via MS/TP or "Segment Wire")

- ONLY USE WS LM-MSTP CABLE for DLM Networking.
- Only one Network Bridge per room. LMCPs and LMZCs have this device on their LMPI intelligence card.
- Do not run LM-MSTP to multiple floors (except for LMCP panel only runs). Locate LMSM-3E or a NB-ROUTER at start of all LM-MSTP runs on a network project, and ONLY ground shield there. MS/TP wire cannot exceed 4,000' and must be run in daisy chain topology to all rooms/panels. Pay close attention on how LM-MSTP connects to DLM networking devices and where terminating resistors are required (see device installation instructions and TB-179.2).
- WS Networks are defined and limited as follows:
 - BASIC: LMSM-3E with up to 3 LM-MSTP segment runs. Each segment limited to max 40 Rooms / 250 DLM devices. Integration only via LMSM Export Table.
 - ADVANCED: LMSM-6E with NB-ROUTERS and an NB-SWITCH (can connect to max 250 Rooms / 1000 DLM devices). Integration other than via Export Table is Advanced. Advanced requires WS PM review!

DLM LMCP RELAY PANEL

- Panels are basically large RCs, but DO NOT connect multiple panels with Cat 5e wire - use Network Bridges.
- Each LMCP Panel provides 2 separate Cat 5e IRB networks, each allowing max 47 DLM devices. Max loads for all relays in panel and in RCs stays max 64.
- Panels use below equivalency table when connecting to a LMSM (to calculate allowed segment room/device limits):
 - LMZC-301 panel = 1 rooms / 10 devices
 - LMCP-8 panel = 3 rooms / 20 devices
 - LMCP-24 panel = 5 rooms / 30 devices
 - LMCP-48 panel = 7 rooms / 40 devices

DLM On/Off Demonstration Kit

LMKT-DEMO

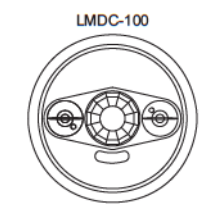
- Prewired DLM kit includes:
- (1) LMRJ-102 (w/2 LED Lights)
 - (1) LMSW-102-W
 - (1) LMPC-100
 - (2) LMRJ-03
 - (1) LMCT-100

Demo kit is great training aid. Suggest one on larger projects.

Revised: August 29, 2023. Support available at 800 879-8585
 CAD@wattstopper.com or charles.knuffke@legrand.us
 Note: Not all DLM Devices are drawn to exact scale.

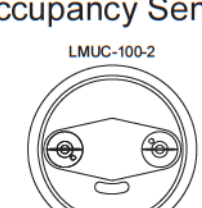
OCC. SENSORS

**Ceiling Mounted
LMDC-100**
Dual-Tech
Occupancy Sensor



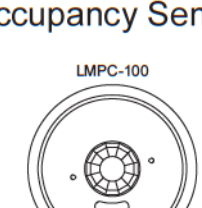
20mA Low Voltage

LMUC-100
Ultrasonic
Occupancy Sensor



20mA Low Voltage

LMPC-100
PIR
Occupancy Sensor

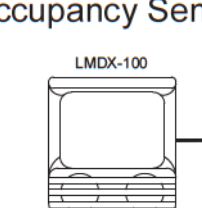


7mA Low Voltage

LMPC-100 Lens Types
Standard = 360° View
-1 = High Density Lens
-5 = High Bay Lens

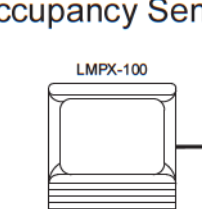
**Wall or Corner
Mounted**

LMDX-100
Dual-Tech
Occupancy Sensor



20mA Low Voltage

LMPX-100
PIR
Occupancy Sensor



7mA Low Voltage

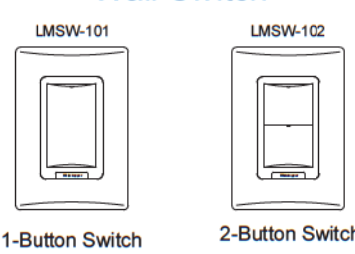
LMPX-100 lens types:
Standard = 90° View, 45'
-1 = Long Range Lens
-3 = 2-Sided Aisle Lens
-4 = 1-Sided Aisle Lens

Multiple sensors can be installed in a DLM Room Network with each assigned control of all or a group of loads within the room.

WALL CONTROLS

ID color by suffix: -W=White, -I=Ivory, -LA=Light Almond, -B=Black, -G=Gray, -R=Red

LMSW-10x
Wall Switch



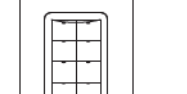
1-Button Switch 2-Button Switch

LMSW-103 LMSW-104



3-Button Switch 4-Button Switch

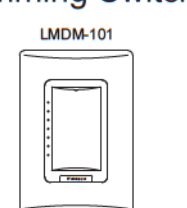
LMSW-108



8-Button Switch

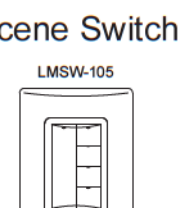
5mA Low Voltage

LMDM-101
Dimming Switch



5mA Low Voltage

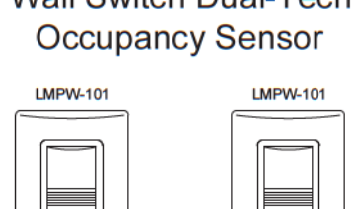
LMSW-105
Scene Switch



5mA Low Voltage

**Wall Switch
Occupancy Sensors**

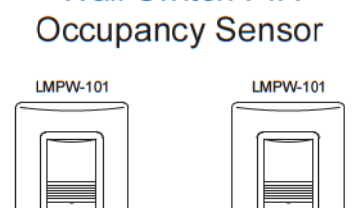
LMDW-10x
Wall Switch Dual-Tech
Occupancy Sensor



1-Button OS Switch 2-Button OS Switch

20 mA Low Voltage

LMPW-10x
Wall Switch PIR
Occupancy Sensor



1-Button OS Switch 2-Button OS Switch

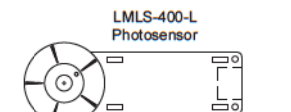
8 mA Low Voltage

DAYLIGHTING

Room Photosensors

LMLS-400(-L)
Daylighting Sensor
Closed Loop

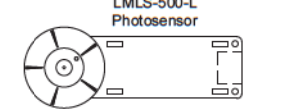
1 Zone, 1 - 6,553 FC



7mA Low Voltage

LMLS-500(-L)
Daylighting Sensor
Open Loop

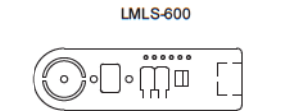
3 Zone, 1 - 6,553 FC



7mA Low Voltage

LMLS-600
Daylighting Sensor
Dual Loop

1 Zone, 1 - 6,553 FC



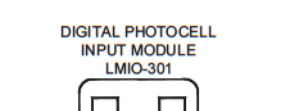
7mA Low Voltage

LMLS-400/500 fits ceiling tiles 0" - 5/8", -L fits 5/8" - 1 1/4". LMLS-600 ships with its own mounting arm. Zones can be Switching, Bi-Level, Tri-Level or Dimmed (requires dimming LMRC controller).

Network Photocells and Interface

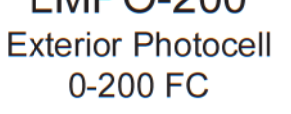
Requires LMSM to program unless landed in a LMCP. One LMIO-301 per LMPO or LMPS head.

LMIO-301
Digital Photocell Interface



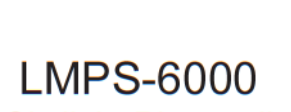
20mA Low Voltage

LMPO-200
Exterior Photocell
0-200 FC



Mount Photocell facing north sky

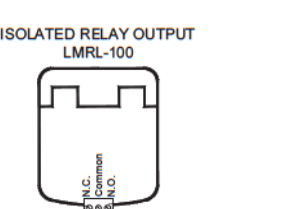
LMPS-6000
Skylight Photocell
0-6000 FC



Mount Photocell facing north sky

INTERFACES

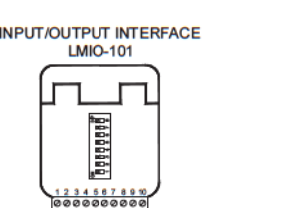
LMRL-100
Isolated Relay



7mA Low Voltage

Provides occupancy contact for fans, HVAC or Alarms (doesn't count as intelligent DLM device)
24V 1A SPDT Relay
1 NO/NC output terminal

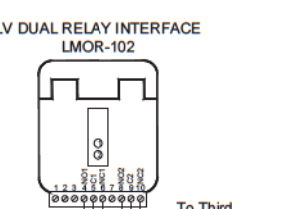
LMIO-101
Input/Output Interface



20mA Low Voltage

Allows contact closures to control loads in a DLM room. Output signals room occupancy.
2 dry contact inputs
1 NO/NC output terminal

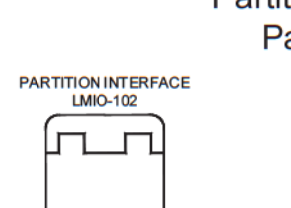
LMOR-102
LV Dual Relay Interface



20mA Low Voltage

Two isolated low voltage mech. held relays that can be bound to DLM devices.
Max 1A @ 24V, 2 SPDT Relays with NO/NC output terminals

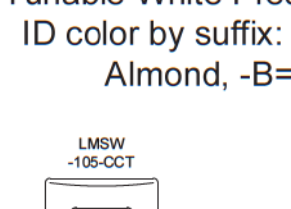
LMIO-102 / LMPS-104
Partition Interface and
Partition Switch



20mA Low Voltage

LMIO-102 Partition Interface allows contact closures to change 16 profiles in a DLM room via 1-4 wall status contacts. LMPS-104 switch allows 16 profiles to be set manually.

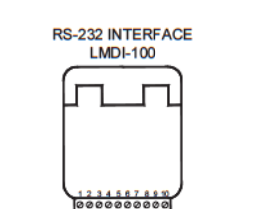
LMSW-105-CCT / LMTS-101-CCT
Tunable White Preset Switch and Timelock



5mA Low Voltage

ID color by suffix: -W=White, -I=Ivory, -LA=Light Almond, -B=Black, -G=Gray, -R=Red

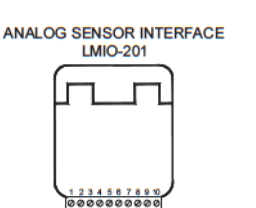
LMDI-100
RS-232 Interface



20mA Low Voltage

Allows bi-directional RS-232 from other products to send commands and/or request status from DLM room devices.

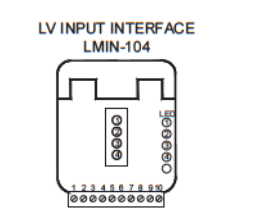
LMIO-201
Analog Sensor Interface



20mA Low Voltage

Allows a WattStopper Low Voltage occupancy sensor to be used as an input to a DLM system. Requires use of a BZ powerpack.

LMIN-104
LV Input Interface

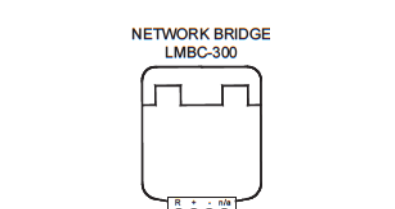


20mA Low Voltage

LMIN-104 allows up to 4 dry contact closures to control loads/scenes/groups in a DLM room.

NETWORKING

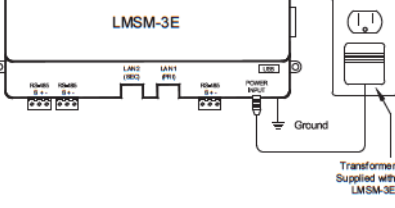
LMBC-300
Network Bridge Connector



30mA Low Voltage

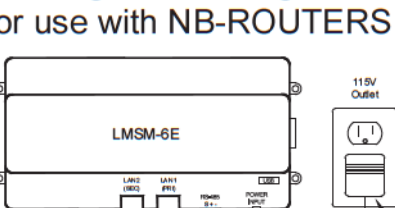
Provides BACnet connection (via LM-MSTP wire) to DLM Cat 5e Room Network

LMSM-3E
Segment Manager 3-Port



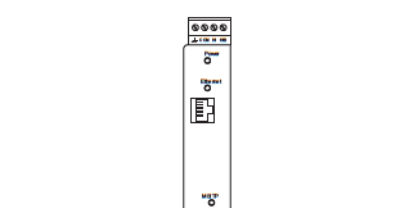
Monitor, Control & Program 3 MS/TP Segments, each of max 40 DLM Rooms / 250 devices via Web Browser. Standard and Astronomic Schedules

LMSM-6E
Segment Manager
for use with NB-ROUTERS



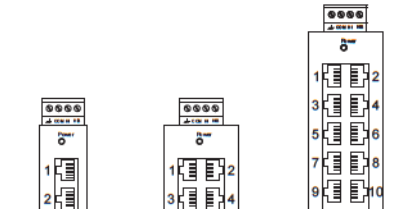
Monitor, Control & Program multiple Segments connected to NB-ROUTERS (and 1 MS/TP Segment), for a total of max 200 DLM Rooms / 1100 devices via Web Browser. Standard and Astronomic Schedules

NB-ROUTER
MS/TP to Ethernet Interface



Provides routing of BACnet messages from a MS/TP segment to IP infrastructure.

NB-SWITCH(-, -8, -16)
Ethernet Switches

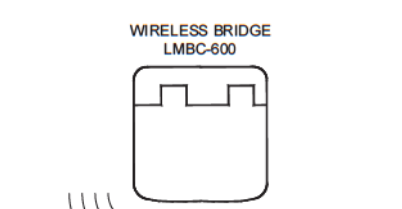


Network Switch provides ports to connect IP devices.

Standard = 5 ports
-8 = 8 ports
-16 = 16 ports

WIRELESS & OTHER

LMBC-600
Wireless Bridge Connector



20mA Low Voltage

Wireless connects DLM room to Border Router

LMBR-600
Wireless Border Router



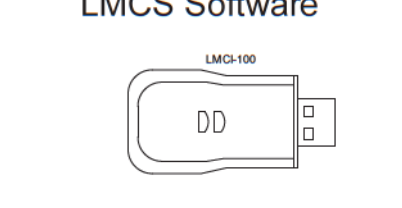
Wireless Configuration Tool

LMCT-100
Wireless
Configuration Tool



Include at least 1 LMCT on every project.

LMCI-100
USB Interface to PC for
LMCS Software



Software to program, document and upgrade DLM room devices (via LMCI-100 or NB-ROUTER). Available from WS Website (Computer by Others)

LMCS

Software to program, document and upgrade DLM room devices (via LMCI-100 or NB-ROUTER). Available from WS Website (Computer by Others)

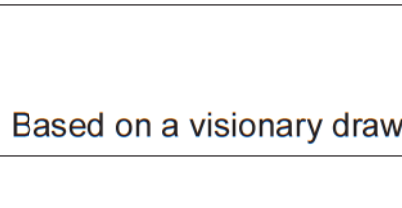
**Cat 5e Accessories
for Fixture Controls**



LMFC-2RJ
2 Port Rect Interface



LMFC-RJ-50-24
1 Port Round Interface



CABLES

Cat 5e Cables
B-to-B Cat 5e cables in multi lengths with green jacket. No "P" before length = non-Plenum, add "-W" after length for White jacket (Plenum rated only).

LMRJ-01 6"

6" for ganged DLM wall controls. Green non-plenum only.

LMRJ-P03 3'

LMRJ-P10 10'

LMRJ-P15 15'

LMRJ-P25 25'

LMRJ-P35 35'

LMRJ-P50 50'

LMRJ-P75 75'

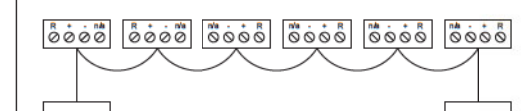
LMRJ-P100 100'

MS/TP Segment Cable & Harness

WS plenum-rated 22/3 shielded wire is required for DLM segment networks. "MSTP" has green jacket, add -B for Black, -W for White, and -DB for Direct Bural Black. Order by foot, or green available in 1,000', 2,000', or 4,000' reels (add suffix -S1000, -S2000, or -S4000)

LM-MSTP

LMBC-300-H6
Network Wire Harness

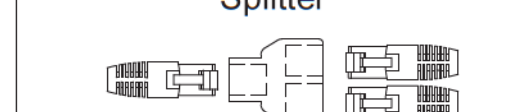


Cat 5e Accessories

LMRJ-C8
Coupler



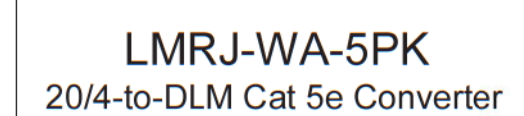
LMRJ-S8
Splitter



LMRJ-CS8
Plenum Coupler/Splitter



LMRJ-WA-5PK
20/4-to-DLM Cat 5e Converter
(comes 5 to a pack)



legrand

Based on a visionary drawing by Tom Herlity of OCS, San Diego

Wattstopper Digital Lighting Management (DLM) Typical Wiring Details

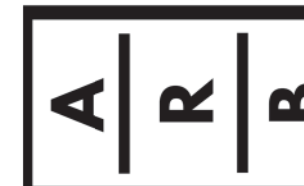
Approved For State of California
 Commercial Modular
 By
 MA Consulting & Engineering MACE, LLC.
 Third Party Design Approval Agency (DAA)
 Certificate Number: DM1570821

These plans have been approved pursuant to the provisions of The State of California Health and Safety Code, Division 13, Part 2 and California Code of Regulations, Title 25, Chapter 3, Subchapter 2

Plan Approval No. MAC-CM 10045

Approval Date: 9/3/2023
 Expiration Date: 11/30/2024

ENGINEERING
 1401 N. EL CAMINO REAL
 SUITE 201
 SAN CLEMENTE, CA
 949-280-9743
 ARBLECTRIC.COM



REVISIONS

| NO. | DESCRIPTION |
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ISSUE DATES

| CLIENT | DESIGN DEPARTMENT | HEALTH DEPARTMENT | PERMIT SET | CONSTRUCTION SET |
|--------|-------------------|-------------------|------------|------------------|
| | | | | |

PROJECT NAME:
20' CATERING CONTAINER
 1148 INDUSTRIAL AVENUE,
 ESCONCIDO, CA 92029
 MODEL: HFC520-2023CATER
 S/N: HFC5-20-2023
 COMMERCIAL MODULAR MANUFACTURER:
 FREEFORM DEVELOPMENT INC.

DATE: 8-29-2023

SCALE:

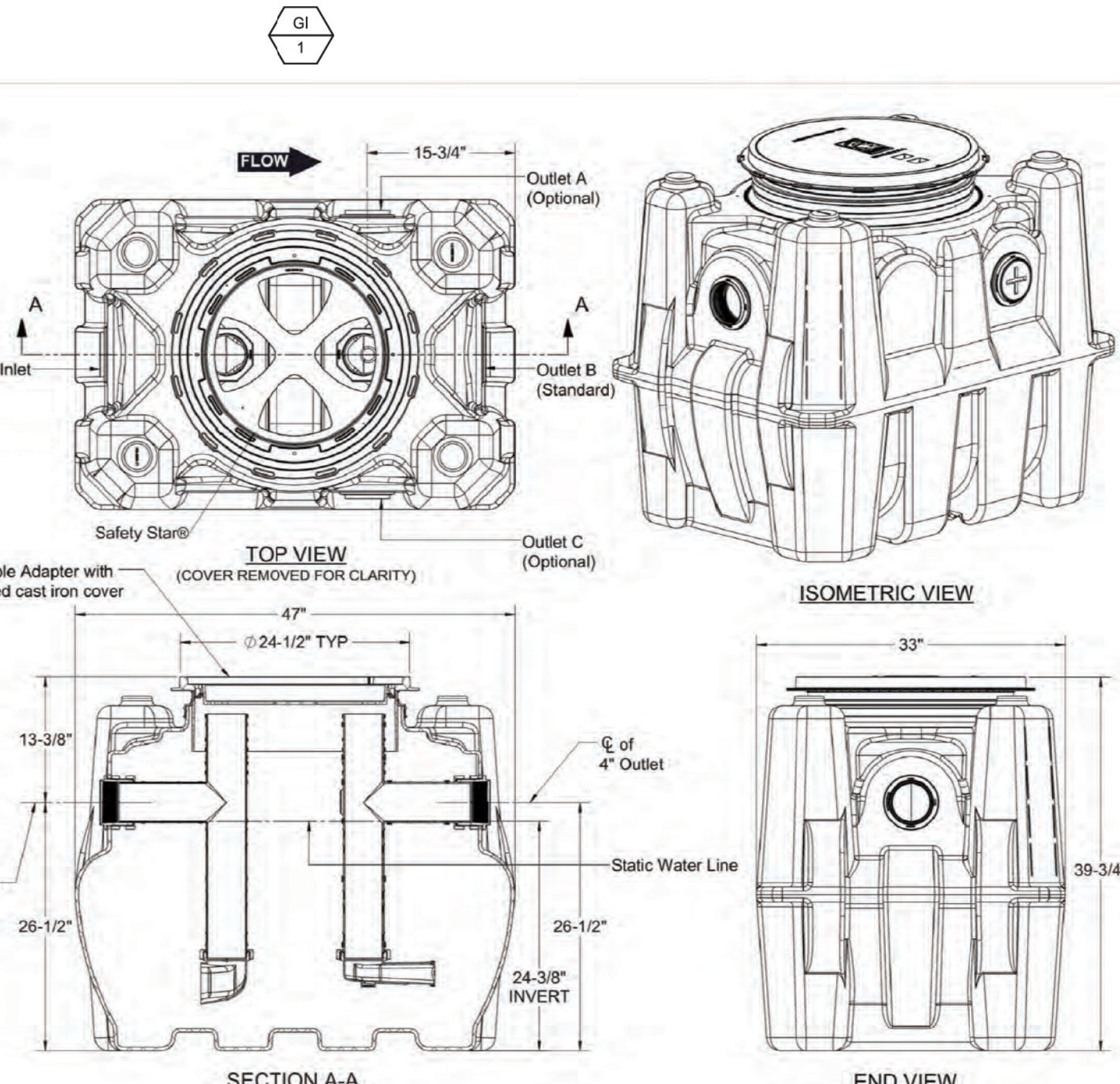
PROJECT NUMBER: 2023-003-00

LIGHTING CONTROL
 DETAILS
 SHEET TITLE:
 SHEET NUMBER

E203

SPECIFICATIONS

- Notes:
- 4" FPT Inlet/outlet with 4" plain end adapters, single inlet and triple outlet.
 - Unit weight - w/ cast iron covers: 190 lbs. (For wet weight add 1,043 lbs.)
 - Maximum operating temperature: 150° F continuous
 - Capacities - Liquid: 125 gal
Grease: 861 lbs. (118 gal.) @75 GPM
Solids: 31 gal.
 - For gravity drainage applications only.
 - Do not use for pressure applications.
 - Cover placement allows full access to tank for proper maintenance.
 - Vent not required unless per local code.
 - Engineered inlet and outlet diffusers with inspection ports are removable to inspect / clean piping.
 - Integral air relief / Anti-siphon / Sampling access.
 - Adjustable cover adapter provides up to 4" of additional height.
 - Designed for below-grade, above-grade, indoor and outdoor installations.
 - Safety Star®, access restrictor built into cover adapter, prevents accidental entry to tank (450 lb rating).



ENGINEER SPECIFICATION GUIDE
Schier Great Basin™ grease interceptor model # GB-75 shall be lifetime guaranteed and made in USA of seamless, rotationally-molded polyethylene with minimum 3/8" uniform wall thickness. Interceptor shall be furnished for above or below-grade installation with adjustable cover adapter, Safety Star® access restrictor built into each cover adapter, and three outlet options. Interceptor shall be certified to ASME A112.14.3 (Type D) and CSA B481.1. Interceptor flow rate shall be 75 GPM. Interceptor grease capacity shall be 861 lbs. Cover shall provide water/gas-tight seal and have minimum 16,000 lbs. load capacity.

CERTIFIED PERFORMANCE
Great Basin™ hydromechanical grease interceptors are third party performance-tested and listed by IAPMO to ASME A112.14.3 and CSA B481.1 grease interceptor standards and greatly exceed requirements for grease separation and storage. They are compliant to the Uniform Plumbing Code and the International Plumbing Code.

Type D certification does not require a flow control

SPECIFICATION SHEET

| | |
|----------------------------|--|
| MODEL NUMBER: | PART NUMBER: 4045-007-02 |
| GB-75 | DESCRIPTION: GB-75 GREASE INTERCEPTOR 75 GPM, 4" INLET/OUTLET, H-20 RATED CAST IRON COVER |
| DWG BY: C. BUSENITZ | DATE: 4/14/2022 |
| REV: - | ECO: - |

SCHIER
6455 Woodland Dr
Shawnee, KS 66218
Tel: 913-951-3300
Fax: 913-951-3399
schierproducts.com

| ITEM | WASTE | TRAP | VENT | CW | HW | MOUNT | DESCRIPTION | NOTES |
|--------|----------|------|------|------|------|-------|---|---|
| 3-COMP | INDIRECT | -- | -- | 1/2" | 1/2" | FLOOR | 3 COMPARTMENT SINK. SEE KITCHEN EQUIPMENT SCHEDULE FROM FOOD SERVICE DRAWINGS | REFER TO FOOD SERVICE SET |
| HS-1 | DIRECT | -- | -- | 1/2" | 1/2" | FLOOR | HAND SINK. SEE KITCHEN EQUIPMENT SCHEDULE FROM FOOD SERVICE DRAWING | REFER TO FOOD SERVICE SET |
| FD-1 | 2" | 2" | 2" | -- | -- | FLOOR | FLOOR DRAIN: "ZURN" Z-415 FLOOR DRAIN. D.C.C.I. BODY WITH BOTTOM OUTLET. COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH TYPE "B" POLISHED NICKLE BRONZE STRAINER. PROVIDE TRAP PRIMER CONNECTION | OWNER TO APPROVE FIXTURES PRIOR TO PURCHASING |
| FS-1 | 2" | 2" | 2" | -- | -- | FLOOR | FLOOR SINK: "ZURN" 1901-2 HALF GRATE RECEPTOR 12"x12"x8" DEEP CAST IRON BODY AND SQUARE SLOTTED MEDIUM DUTY GRATE WITH ACID RESISTANT PORCELAIN ENAMEL INTERIOR AND TOP. COMPLETE WITH ABS ANTI-SPLASH INTERIOR BOTTOM STRAINER | OWNER TO APPROVE FIXTURES PRIOR TO PURCHASING |

| COLD WATER PIPE SIZING | | | | | HOT WATER PIPE SIZING | | | | |
|------------------------|-------|-------------------------|--------------------------|----------|-----------------------|-------|-------------------------|--------------------------|----------|
| PIPE DIA. | GPM | FLUSH TANK FIXTURE UNIT | FLUSH VALVE FIXTURE UNIT | VELOCITY | PIPE DIA. | GPM | FLUSH TANK FIXTURE UNIT | FLUSH VALVE FIXTURE UNIT | VELOCITY |
| 1/2" | 3.8 | 1 | -- | 5.5 | 1/2" | 3.5 | 1 | -- | 5.0 |
| 3/4" | 11.0 | 6 | -- | 7.3 | 3/4" | 7.5 | 3 | -- | 5.0 |
| 1" | 19.6 | 20 | 6 | 8.0 | 1" | 13.4 | 8 | -- | 5.0 |
| 1-1/4" | 29.6 | 52 | 13 | 8.0 | 1-1/4" | 19.6 | 20 | 6 | 5.0 |
| 1-1/2" | 41.3 | 91 | 29 | 8.0 | 1-1/2" | 27.5 | 44 | 10 | 5.0 |
| 2" | 71.3 | 232 | 114 | 8.0 | 2" | 46.4 | 113 | 41 | 5.0 |
| 2-1/2" | 119.6 | 477 | 361 | 8.0 | 2-1/2" | 72.3 | 237 | 117 | 5.0 |
| 3" | 177.7 | 801 | 756 | 8.0 | 3" | 115.6 | 456 | 340 | 5.0 |
| 3-1/2" | 205.6 | 984 | 981 | 8.0 | 3-1/2" | 141.2 | 593 | 489 | 5.0 |
| 4" | 283.0 | 1625 | 1625 | 8.0 | 4" | 186.7 | 860 | 828 | 5.0 |
| 5" | 427.5 | 2948 | 2948 | 8.0 | 5" | 284.1 | 1635 | 1635 | 5.0 |
| 6" | 678.3 | 6436 | 6436 | 8.0 | 6" | 437.7 | 3046 | 3046 | 5.0 |

COLD WATER VELOCITY NOT TO EXCEED 8 FEET PER SECOND; HOT WATER VELOCITY NOT TO EXCEED 5 FEET PER SECOND

| ITEM | LOCATION | DESCRIPTION |
|------|-------------|---|
| TP 1 | 3-COMP SINK | TRAP PRIMER: "MIFAB" #M-500 PRESSURE DROP ACTIVATED, BRASS CONSTRUCTION, PROVIDE WITH M1-DU 4-WAY DISTRIBUTION UNIT (IF APPLICABLE), PROVIDE WITH ACCESS PANEL. |
| GI 1 | SEE PLAN | GREASE INTERCEPTOR: SCHIER GB-75. INSTALL PER MANUFACTURER GUIDELINES AND PROVIDE ALL ACCESSORIES FOR A FULLY FUNCTIONAL SYSTEM. |

| ITEM | DESCRIPTION | NO. OF FIXT | WFU'S | DFU'S | CW | HW | SEWER |
|--------------------|--------------------|-------------|-------|-------|-----|-----|-------|
| HS-1 | HAND SINK | 1 | 2.0 | 2.0 | 2.0 | 1.5 | 2.0 |
| 3-COMP | 3-COMPARTMENT SINK | 1 | 3.0 | 3.0 | 3.0 | 2.3 | 3.0 |
| FS-1 | FLOOR SINK | 1 | 0 | 2.0 | 0 | 0.0 | 2.0 |
| FD-1 | FLOOR DRAIN | 1 | 0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL WFU'S, DFU'S | | | 0 | 0 | 5.0 | 3.8 | 9.0 |

MAIN DOMESTIC WATER SUPPLY SIZING BASE ON LATEST EDITION CPC 2019 TABLE A 103.1, CHART A 105.1 (1)

COLD WATER FIXTURES UNITS = 5 GPM
HOT WATER FIXTURES UNITS = 3 GPM

| ITEM | DESCRIPTION |
|---|---|
| DOMESTIC WATER PIPING ABOVE GRADE | TYPE "L" COPPER TUBING, HARD DRAWN CONFORMING TO ASTM B 88, WITH WROUGHT COPPER SOLDER SWEAT FITTINGS CONFORMING TO ASTM B 16.22. PROVIDE LABELING AND INSULATION. |
| DOMESTIC WATER PIPING UNDERGROUND OR BELOW SLAB | TYPE "K" HARD COPPER TUBING ANNEALED, WITH NO FITTINGS CONFORMING TO ASTM B 88. |
| WASTE AND VENT PIPING | ABOVE GRADE - PVC SCHEDULE 40 WITH PVC SCHEDULE 40 FITTINGS. SCHEDULE 40 BLACK STEEL, CONFORMING TO ASTM A53 WITH 150 PSIG MALLEABLE IRON THREADED FITTINGS CONFORMING TO ANSI/ASME B16.3. PROVIDE LABELING. SCHEDULE 40 GALVANIZED STEEL, CONFORMING TO ASTM A53 WITH 150 PSIG MALLEABLE IRON THREADED FITTINGS CONFORMING TO ANSI/ASME B16.3. PROVIDE LABELING. |
| NATURAL GAS PIPING ABOVE GRADE | SCHEDULE 40 BLACK STEEL, CONFORMING TO ASTM A53 WITH 150 PSIG MALLEABLE IRON THREADED FITTINGS CONFORMING TO ANSI/ASME B16.3. PROVIDE LABELING. |
| GAS PIPING BELOW GRADE | POLYETHYLENE WITH FUSION WELD JOINTS. |

Approved For State of California Commercial Modular
By
MA Consulting & Engineering MACE, LLC.
Third Party Design Approval Agency (DAA)
Certificate Number: DM1570821

These plans have been approved pursuant to the provisions of The State of California Health and Safety Code, Division 13, Part 2 and California Code of Regulations, Title 25, Chapter 3, Subchapter 2
Plan Approval No. **MAC-CM 10045**
Approval Date: **9/3/2023**
Expiration Date: **11/30/2024**

VanderVeen ENGINEERING CONSULTANTS INC.

AC Smith Commercial Electric Water Heaters

DURA-POWER™

Designed for use as a recovery heater having its own storage tank. Available in upright standard models (DEL) and lowboy models (DEL).

GLASSLINED TANK

- Thirteen sizes 6 thru 119 gallon capacity. Tank interior is coated with glass specifically designed by A. O. Smith for water heater use.

ELEMENTS

- Zinc plated copper sheaths for longer life. Medium watt density means lower surface temperature to minimize scale build-up and more surface to heat water. Element sizes from 1.5 to 6.1 kW. Maximum input 600 (see chart).

STANDARD VOLTAGES

- 120, 277 single phase and 208, 240 and 480V unbalanced three-phase delta; easily converted to single phase at terminal block with limited exceptions. Single element heaters, single-phase only.

TERMINAL BLOCK

- Factory installed. Just bring the service to heater and connect to block. Terminal block not supplied on 120V & 277 volt models. (No junction box on DELs-20)

CONTROLS

- Temperature control (adjustable through a range of 110° to 170°F on single element and 120° to 181°F on dual element) and manual reset high temperature cutoff per element.

CSA CERTIFIED AND ASME RATED TAP RELIEF VALVE
SIMPLIFIED CIRCUITRY COLOR CODED FOR EASE OF SERVICE
ANODE ROD FOR MAXIMUM CORROSION PROTECTION
CABINET HAS BONDZERED UNDERCOAT WITH BAKED ENAMEL FINISH
TOP INLET AND OUTLET OPENINGS
DRAIN VALVE (EXCLUDES DEL 6-20)
UL APPROVED FIELD CONVERSION PROGRAM
COMPLIANCE

- Meets the standby loss requirements of the U.S. Department of Energy and current edition of ASHRAES 90.1.

LIMITED WARRANTY OUTLINE

- If the tank should leak any time during the first three years, under the terms of the warranty, A. O. Smith will furnish a replacement heater; installation, labor, handling and local delivery extra. THIS OUTLINE IS NOT A WARRANTY. For complete information consult the written warranty of A. O. Smith Water Products Company.

DEL-30

ASME CERTIFIED

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AC Smith Commercial Electric Water Heaters

ROUGH-IN DIMENSIONS

| Models | UEF | No. of Elements | Nominal Capacity | Rated Storage Volume | A | B | C | D | Shipping Weight |
|----------|------|-----------------|------------------|----------------------|-----|-------|------|-------|-----------------|
| DEL-6 | N/A | 1 | 6 | 11.1 | 391 | 14.18 | 362 | 11 | 275 |
| DEL-10 | N/A | 1 | 10 | 18-16 | 454 | 18 | 452 | 12-12 | 318 |
| DEL-15 | N/A | 1 | 15 | 25 | 650 | 18 | 652 | 20-12 | 521 |
| DEL-20 | N/A | 1 | 20 | 32 | 813 | 24 | 810 | 24 | 610 |
| DEL-30 | 0.92 | 2 | 30 | 32 | 813 | 24 | 810 | 24 | 610 |
| DEL-40** | 0.92 | 2 | 40 | 32 | 813 | 24 | 810 | 24 | 610 |
| DEL-50 | 0.92 | 2 | 50 | 32 | 813 | 24 | 810 | 24 | 610 |
| DEL-60 | 0.92 | 2 | 60 | 32 | 813 | 24 | 810 | 24 | 610 |
| DEL-75 | 0.92 | 2 | 75 | 32 | 813 | 24 | 810 | 24 | 610 |
| DEL-90 | 0.92 | 2 | 90 | 32 | 813 | 24 | 810 | 24 | 610 |
| DEL-120 | N/A | 2 | 120 | 108 | 621 | 31.6 | 1366 | 29-18 | 1466 |

U.S. Gallons/HR and Liters/HR at Temperature Rise Indicated

| Element Rating (Input Power) | 1° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 12° | 15° | 20° |
|------------------------------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| 1.5 kW | 1.5 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 18.0 | 22.5 | 30.0 |
| 3.0 kW | 3.0 | 9.0 | 12.0 | 15.0 | 18.0 | 21.0 | 24.0 | 27.0 | 30.0 | 36.0 | 45.0 | 60.0 |
| 4.5 kW | 4.5 | 13.5 | 18.0 | 22.5 | 27.0 | 31.5 | 36.0 | 40.5 | 45.0 | 54.0 | 67.5 | 90.0 |
| 6.0 kW | 6.0 | 18.0 | 24.0 | 30.0 | 36.0 | 42.0 | 48.0 | 54.0 | 60.0 | 72.0 | 90.0 | 120.0 |
| 7.5 kW | 7.5 | 22.5 | 30.0 | 37.5 | 45.0 | 52.5 | 60.0 | 67.5 | 75.0 | 90.0 | 112.5 | 150.0 |
| 9.0 kW | 9.0 | 27.0 | 36.0 | 45.0 | 54.0 | 63.0 | 72.0 | 81.0 | 90.0 | 108.0 | 135.0 | 180.0 |
| 10.5 kW | 10.5 | 31.5 | 40.5 | 50.6 | 60.7 | 70.8 | 80.9 | 91.0 | 101.1 | 121.3 | 151.6 | 202.1 |
| 12.0 kW | 12.0 | 36.0 | 45.0 | 56.2 | 67.4 | 78.6 | 89.8 | 101.0 | 112.2 | 134.4 | 168.0 | 224.0 |

RECOVERY CAPACITIES

U.S. Gallons/HR and Liters/HR at Temperature Rise Indicated

| Element Rating (Input Power) | 1° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 12° | 15° | 20° |
|------------------------------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| 1.5 kW | 1.5 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 18.0 | 22.5 | 30.0 |
| 3.0 kW | 3.0 | 9.0 | 12.0 | 15.0 | 18.0 | 21.0 | 24.0 | 27.0 | 30.0 | 36.0 | 45.0 | 60.0 |
| 4.5 kW | 4.5 | 13.5 | 18.0 | 22.5 | 27.0 | 31.5 | 36.0 | 40.5 | 45.0 | 54.0 | 67.5 | 90.0 |
| 6.0 kW | 6.0 | 18.0 | 24.0 | 30.0 | 36.0 | 42.0 | 48.0 | 54.0 | 60.0 | 72.0 | 90.0 | 120.0 |
| 7.5 kW | 7.5 | 22.5 | 30.0 | 37.5 | 45.0 | 52.5 | 60.0 | 67.5 | 75.0 | 90.0 | 112.5 | 150.0 |
| 9.0 kW | 9.0 | 27.0 | 36.0 | 45.0 | 54.0 | 63.0 | 72.0 | 81.0 | 90.0 | 108.0 | 135.0 | 180.0 |
| 10.5 kW | 10.5 | 31.5 | 40.5 | 50.6 | 60.7 | 70.8 | 80.9 | 91.0 | 101.1 | 121.3 | 151.6 | 202.1 |
| 12.0 kW | 12.0 | 36.0 | 45.0 | 56.2 | 67.4 | 78.6 | 89.8 | 101.0 | 112.2 | 134.4 | 168.0 | 224.0 |

SPECIFICATION

The water heater(s) shall be Dura-Power™ Model(s) No. _____ as manufactured by A. O. Smith or an approved equal. Heater(s) shall be rated at _____ kW, _____ phase, 60 cycles AC, and listed by Underwriters' Laboratories. Models shall meet the standby loss requirements of the U.S. Department of Energy and current edition of ASHRAES 90.1. Tanks shall be _____ gallon capacity. Heater(s) shall have 150 psi working pressure and be equipped with extended high density anode rod. All internal surfaces of the heater(s) exposed to water shall be glasslined with an alkaline borosilicate composition that has been fused-together by firing at a temperature range of 1400°F to 1600°F. Electric heating elements shall be medium watt density with zinc plated copper sheath. Each element shall be controlled by an individually mounted thermostat and high temperature cutoff switch. The outer jacket shall be of bakelite enamel finish and shall enclose the tank with foam insulation. Electrical junction box with heavy duty terminal block shall be provided (except on 120V & 277V no junction box on DELs thru DEL-30). The drain valve shall be located in the front for ease of servicing. Heater tank shall have a three-year limited warranty as outlined in the written warranty. Fully illustrated instruction manual to be included.

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AC Smith Commercial Electric Water Heaters

RECOVERY CAPACITIES

U.S. Gallons/HR and Liters/HR at Temperature Rise Indicated

| Element Rating (Input Power) | 1° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 12° | 15° | 20° |
|------------------------------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| 1.5 kW | 1.5 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 18.0 | 22.5 | 30.0 |
| 3.0 kW | 3.0 | 9.0 | 12.0 | 15.0 | 18.0 | 21.0 | 24.0 | 27.0 | 30.0 | 36.0 | 45.0 | 60.0 |
| 4.5 kW | 4.5 | 13.5 | 18.0 | 22.5 | 27.0 | 31.5 | 36.0 | 40.5 | 45.0 | 54.0 | 67.5 | 90.0 |
| 6.0 kW | 6.0 | 18.0 | 24.0 | 30.0 | 36.0 | 42.0 | 48.0 | 54.0 | 60.0 | 72.0 | 90.0 | 120.0 |
| 7.5 kW | 7.5 | 22.5 | 30.0 | 37.5 | 45.0 | 52.5 | 60.0 | 67.5 | 75.0 | 90.0 | 112.5 | 150.0 |
| 9.0 kW | 9.0 | 27.0 | 36.0 | 45.0 | 54.0 | 63.0 | 72.0 | 81.0 | 90.0 | 108.0 | 135.0 | 180.0 |
| 10.5 kW | 10.5 | 31.5 | 40.5 | 50.6 | 60.7 | 70.8 | 80.9 | 91.0 | 101.1 | 121.3 | 151.6 | 202.1 |
| 12.0 kW | 12.0 | 36.0 | 45.0 | 56.2 | 67.4 | 78.6 | 89.8 | 101.0 | 112.2 | 134.4 | 168.0 | 224.0 |

SPECIFICATION

The water heater(s) shall be Dura-Power™ Model(s) No. _____ as manufactured by A. O. Smith or an approved equal. Heater(s) shall be rated at _____ kW, _____ phase, 60 cycles AC, and listed by Underwriters' Laboratories. Models shall meet the standby loss requirements of the U.S. Department of Energy and current edition of ASHRAES 90.1. Tanks shall be _____ gallon capacity. Heater(s) shall have 150 psi working pressure and be equipped with extended high density anode rod. All internal surfaces of the heater(s) exposed to water shall be glasslined with an alkaline borosilicate composition that has been fused-together by firing at a temperature range of 1400°F to 1600°F. Electric heating elements shall be medium watt density with zinc plated copper sheath. Each element shall be controlled by an individually mounted thermostat and high temperature cutoff switch. The outer jacket shall be of bakelite enamel finish and shall enclose the tank with foam insulation. Electrical junction box with heavy duty terminal block shall be provided (except on 120V & 277V no junction box on DELs thru DEL-30). The drain valve shall be located in the front for ease of servicing. Heater tank shall have a three-year limited warranty as outlined in the written warranty. Fully illustrated instruction manual to be included.

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JUSTUS STUDIO, INC.

OWNER:
HOME FED
1903 WRIGHT PL
SUITE 220
CARLSBAD, CA 92008

ARCHITECT:
JUSTUS STUDIO, INC.
4271 KENYON AVENUE
LOS ANGELES, CA 90066

CONTACT: JOSEPH JUSTUS
E: JOSEPH@JUSTUS-STUDIO.COM
P: 949-284-2848

STRUCTURAL:
ORION STRUCTURAL GROUP, INC.
223 E. THOUSAND OAKS BLVD., #304
THOUSAND OAKS, CA 91320

ELECTRICAL:
ARB ELECTRIC, INC.
1401 N EL CAMINO REAL #201
SAN CLEMENTE, CA 92672

MECHANICAL:
VANDERVEEN ENGINEERING CONSULTANTS
42056 DELMONTA ST
TEMECULA, CA 92591

COMMERCIAL MODULAR MANUFACTURER:
FREE FORM DEVELOPMENT, INC.
1148 INDUSTRIAL AVE.
ESCONDIDO, CA 92029

CONTACT: ADAM JUBELA
E: ADAM@FREEFORMMCC.COM
P: 760-901-2844

| NO. | ISSUE | DATE |
|-----|-------|------|
| | | |
| | | |
| | | |
| | | |

20 FOOT CATERING CONTAINER

MODEL: HFCS20-2023CATER
S/N: HFCS-20-2023

TITLE

COFFEE SHOP SECTIONS

PROJECT: 2023-003-00
SCALE: 1/2" = 1'-0"<

HEALTH DEPARTMENT NOTES

THE FOLLOWING ARE THE MINIMUM STANDARDS FOR COMPLIANCE WITH HEALTH DEPARTMENT REQUIREMENTS. THE G.C. AND KEC CONTRACTOR SHALL COMPLY WITH THESE MINIMUM STANDARDS, DRAWINGS AND SPECIFICATIONS.

- A CONCRETE SLAB IS PROVIDED FOR TRASH, GARBAGE, AND GREASE CONTAINER. IF WALLS ENCLOSE THIS AREA, THE INTERIOR WALL SURFACE WILL BE SMOOTH, SEALED AND WASHABLE (e.i., PLASTERED SMOOTH AND PAINTED, ETC.).
- ALL FOOD-RELATED AND UTENSIL-RELATED EQUIPMENT SHALL MEET OR BE EQUIVALENT TO SANITATION STANDARDS ESTABLISHED BY AN AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) ACCREDITED PROGRAM.
- ALL FLOOR MOUNTED EQUIPMENT WILL BE INSTALLED ON MINIMUM 6" SANITARY LEGS, CASTERS OR COMPLETELY SEALED IN POSITION ON A 4" HIGH CURB WITH CONTINUOUSLY COVERED BASE. COUNTERTOP EQUIPMENT WILL BE ON 4" SANITARY LEGS OR SEALED TO THE COUNTER UNLESS READILY MOVABLE.
- FOR ALL SELF-SERVICE SODA, ICE AND OTHER DISPENSERS WHERE REFILLS ARE PROVIDED THEY MUST BE PUSH BUTTON TYPES, OR LEVER TYPES WHERE THE LEVER CONTACTS THE CONTAINER AT LEAST ONE INCH BELOW THE RIM.
- ANY OPERABLE WINDOWS, VENT OPENING, OR OTHER SIMILAR OPENINGS MUST BE PROVIDED WITH TIGHT FITTING SCREENS OF MINIMUM 16 MESH TO THE INCH. WINDOWS SHALL BE FIXED AT FOOD PREP, UTENSIL-WASHING, OPEN FOOD AND UTENSIL STORAGE AREAS.
- ALL EXTERIOR DOORS SHALL OPEN OUTWARD, BE SELF-CLOSING AND TIGHT FITTING.
- BI-FOLD, FRENCH, ACCORDION STYLE AND ROLL-UP DOORS CANNOT OPEN INTO THE FOOD PREP, UTENSIL WASHING OR UNPACKAGED FOOD SERVICE AREAS.
- TOILET ROOM AND DRESSING ROOM DOORS MUST BE SELF-CLOSING AND TIGHT FITTING.
- DELIVERY DOORS SHALL HAVE AIR CURTAIN FANS THAT SPAN THE WIDTH OVER THE DOOR. THE FAN MUST ACTIVATE VIA A MICROSWITCH PROVIDING A MINIMUM VELOCITY OF 1600 FPM MEASURED 3 FEET ABOVE THE GROUND.
- A MINIMUM OF 10 FOOT-CANDLES OF LIGHT MEASURED 30" OFF FLOOR SHALL BE PROVIDED IN WALK-IN REFRIGERATED STORAGE AND DRY STORAGE AREAS.
- A MINIMUM OF 20-FOOT CANDLES OF LIGHT SHALL BE PROVIDED WHERE FOOD, FRESH PRODUCE OR PRE-PACKAGED ITEMS ARE PROVIDED FOR CONSUMER SELF-SERVICE AND SOLD OR OFFERED FOR CONSUMPTION INSIDE EQUIPMENT, IN AREAS USED FOR HAND WASHING, WAREWASHING, UTENSIL STORAGE, AND TOILET ROOMS.
- A MINIMUM OF 50 FOOT-CANDLES OF LIGHT MEASURED 30" OFF FLOOR SHALL BE PROVIDED WHEN WORKING WITH FOOD, UTENSILS, EQUIPMENT SUCH AS KNIVES, SLICERS, GRINDERS, AREAS WHERE EMPLOYEE SAFETY IS A FACTOR AND IN ALL AREAS DURING PERIODS OF CLEANING.
- SHATTER SHIELDS SHALL BE PROVIDED FOR ALL LIGHTS ABOVE FOOD PREPARATION, WORK, AND STORAGE AREAS.
- ALL WAREWASHING SINKS TO HAVE 3 COMPARTMENTS THAT ARE A MINIMUM SIZE OF AT LEAST 18"X18"X12" DEEP (OR 16"X20"X12" DEEP) WITH A MINIMUM 18" DRAINBOARD AT EACH END. IF AGAINST A WALL, IT MUST HAVE AN 8" INTEGRAL BACKSPASH. HOWEVER, IT MUST BE CAPABLE OF ACCOMMODATING THE LARGEST UTENSIL TO BE WASHED. A WAREWASHING MACHINE DOES NOT SUBSTITUTE FOR SINK REQUIREMENT. 3 OR 4 COMPARTMENT BAR SINKS TO BE AT LEAST 12"X12"X10" DEEP (OR 10"X14"X10" DEEP) WITH A MINIMUM 18" DRAINBOARD AT EACH END.
- ALL SINKS SHALL HAVE SPOUT(S) CAPABLE OF REACHING EACH COMPARTMENT.
- FOOD PREP SINK COMPARTMENT(S) TO BE AT LEAST 18"X18"X12" DEEP (OR 16"X20"X12" DEEP) WITH A MINIMUM 18" DRAINBOARD. SEPARATE FOOD PREP SINKS SHALL BE PROVIDED FOR MEATS AND PRODUCE.
- A SEPARATE WET WASTE DUMP FIXTURE SHALL BE PROVIDED FOR DISPOSAL OF DRINK OR ICE WASTE.
- EACH HAND WASHING SINK MUST HAVE PERMANENTLY MOUNTED SINGLE-SERVICE SOAP AND PAPER TOWEL DISPENSERS.
- THE HOT WATER HEATER WILL BE A COMMERCIAL TYPE CAPABLE OF CONSTANTLY SUPPLYING HOT WATER AT A TEMPERATURE OF 120° F TO ALL SINKS. IN SIZING THE WATER HEATER, THE PEAK HOURLY DEMAND FOR ALL SINKS, ETC., ARE ADDED TOGETHER TO DETERMINE THE MINIMUM REQUIRED RECOVERY RATE.
- ALL LAVATORIES OR HAND SINKS WILL HAVE A COMBINATION FAUCET OR PREMIXING FAUCET CAPABLE OF SUPPLYING WATER TEMPERED TO 100°-108°F. SELF-CLOSING OR METERED FAUCET TO PROVIDE AT LEAST 15 SECONDS OF WATER WITHOUT REACTIVATION.
- ALL PLUMBING, ELECTRICAL AND GAS LINES SHALL BE CONCEALED WITHIN THE BUILDING STRUCTURE TO GREAT AN EXTENT AS POSSIBLE. ALL EXPOSED CONDUITS, PLUMBING, ETC. SHALL BE INSTALLED AT LEAST 6" OFF FLOOR AND 3/4" FROM WALLS USING STANDOFF BRACKETS.
- CONDUITS, PLUMBING OR PIPING CANNOT BE INSTALLED ACROSS ANY AISLE WAY, TRAFFIC AREA OR DOOR OPENING.
- MULTIPLE RUNS OR CLUSTERS OF CONDUIT OR PIPELINES SHALL BE FURRED IN OR ENCASED IN AN APPROVED SEALED ENCLOSURE.
- ALL LIQUID WASTE SHALL BE DRAINED BE MEANS OF INDIRECT WASTE PIPES INTO A FLOOR SINK. FLOOR SINKS ARE TO BE INSTALLED FLUSH WITH THE FINISHED FLOOR SURFACE AND HAVE SUITABLE EASILY REMOVABLE SAFETY COVER GRATES.
- FLOOR SINK TO BE 50% EXPOSED WHEN NO ACCESS IS PROVIDED FOR CLEANING OR BE IN LINE WITH THE FRONT FACE OF ELEVATED FREESTANDING EQUIPMENT.
- APPROVED BACKFLOW PREVENTION DEVICES SHALL BE PROPERLY INSTALLED UPSTREAM OF ANY POTENTIAL HAZARD BETWEEN THE POTABLE WATER SUPPLY AND A SOURCE OF CONTAMINATION. HOSES SHALL NOT BE ATTACHED TO A FAUCET OR HOSE BIBB UNLESS AN APPROVED BACKFLOW PREVENTER IS PROVIDED.
- WATER SUPPLY TO CARBONATORS SHALL BE PROTECTED BY AN APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER. THE RELIEF VALVE SHALL DRAIN INDIRECTLY TO SEWER WITH A LEGAL AIR GAP.
- FOR CLEANING FLOOR MATS, THE JANITORIAL SINK SHALL BE A MINIMUM 24" BY 36" FLOOR-MOUNTED TYPE. MOPS SHALL BE PLACED IN A POSITION THAT ALLOWS THEM TO AIR-DRY WITHOUT SOILING WALLS, EQUIPMENT, OR SUPPLIES.
- THE JANITORIAL SINK FAUCET WILL HAVE A THREADED OUTER LIP FOR HOSE ATTACHMENT AND AN APPROVED BACKFLOW PREVENTION DEVICE. NO CHEMICAL DISPENSING SYSTEMS OR SHUTOFF VALVES TO BE ATTACHED TO MOP SINK FAUCET OUTLET UNLESS A "SIDEKICK" PLUMBING DEVICE IS INSTALLED.
- NO CONDENSATE OR WASTEWATER INCLUDING HVAC WILL DRAIN INTO THE JANITORIAL SINK.
- GREASE TRAP TO BE LOCATED OUTSIDE THE FOOD SERVICE ACTIVITY AREA. FLUSH WITH THE FINISHED FLOOR WHEN INDOORS. LOCAL WASTEWATER DISTRICT OR BUILDING DEPARTMENT TO BE CONTACTED FOR GREASE REMOVAL REQUIREMENTS.
- FLOOR DRAINS SHALL BE INSTALLED IN FLOORS THAT ARE WATER-FLUSHED FOR CLEANING AND IN AREAS WHERE PRESSURE SPRAY METHODS FOR CLEANING EQUIPMENT ARE USED, IN RESTROOMS, JANITORIAL ROOMS, SCULLERIES, AND AT BARS WITH WAREWASHING. FLOOR SURFACES IN AREAS PURSUANT TO THIS SHALL BE SLOPED 1:50 TO THE FLOOR DRAINS.
- ADEQUATE VENTILATION SHALL BE PROVIDED TO ALL TOILET ROOMS, JANITOR CLOSETS WITH MOP SINKS, INDOOR TRASH ROOMS AND IN DRESSING/CHANGING ROOM(S).
- THE FLOOR FINISH SHALL HAVE A SMOOTH SURFACE UNDER ALL EQUIPMENT AND WALKWAYS WILL HAVE A LIGHT TEXTURE ONLY.
- THE PAINT USED ON WALLS AND CEILINGS OF ALL KITCHEN, FOOD PREPARATION, WORK, STORAGE AREAS SHALL BE GLOSS OR SEMI-GLOSS ENAMEL. FINISH MATERIAL SHALL BE LIGHT COLOR IN FOOD PREP AREAS FOR EASY CLEANING.
- PRIOR TO INSTALLATION, SAMPLES OF FINISHES SHALL BE SUBMITTED TO ENVIRONMENTAL HEALTH FOR APPROVAL AS NEEDED.
- COLD STORAGE ROOMS SHALL BE PROVIDED WITH A SECTION OF SHELVING INSTALLED TO HOLD SHALLOW COOL DOWN PANS - NOT TO EXCEED 4" IN HEIGHT. SPACE BETWEEN SHELVING TO BE AT LEAST 8" HIGH.
- BACKUP DRY STORAGE SHELVING SHALL BE A MINIMUM OF 96 LINEAR FEET (MEASURED WITH TIERS) OR 25% OF KITCHEN, FOOD PREP, AND WORK AREAS, WHICHEVER IS GREATER. SHELVING SHALL BE AT LEAST 18 INCHES DEEP AND START A MINIMUM SIX INCHES OFF THE FLOOR SURFACE.
- SHELVING OVER WET AREAS (SINKS, MOP SINKS ETC.) AND FOOD PREP SURFACES SHALL BE METAL.
- ALL SEAMS, GAPS, OPENINGS SHALL BE PROPERLY SEALED PER CODE.
- ALL EMPLOYEE RESTROOMS SHALL BE PROVIDED WITH SOAP & TOWEL DISPENSERS.

SEISMIC DETAILS NOTE

- SEISMIC DETAILS, ENGINEERING, SUPPLY AND INSTALLATION ARE NOT INCLUDED BY FOOD SERVICE CONSULTANT OR KITCHEN EQUIPMENT SUPPLIER.

COUNTY OF SAN DIEGO
DEPARTMENT OF
ENVIRONMENTAL HEALTH
PLAN REVIEW

PROVISIONAL APPROVAL
PLANS ACCEPTED FOR CONSTRUCTION SUBJECT TO THE
REQUIREMENTS OF THE STATE AND LOCAL REGULATIONS.
THIS STAMP IS NO ASSURANCE THAT THE PLANS OR SPECI-
FICATIONS ARE CORRECT IN EVERY RESPECT. ERRORS IN
DESIGN OR CONSTRUCTION MUST BE CORRECTED.

BY *Amel Hali* DATE 10/20/2023
APPROVED SET FOR PLANS MUST REMAIN ON THE JOB SITE DURING CONSTRUCTION.

DEH2023-FFPP-016938

CENTRAL SQUARE

1960 LA MEDIA PARKWAY NORTH
CHULA VISTA CA 91913

FINISH SCHEDULE

| AREA | FLOOR | BASE | WALL | CEILING | REMARKS |
|--------------------------|---------------------------------|---------------------------------|---|--|---------|
| FRONT OF THE HOUSE (FOH) | COMMERCIAL EPOXY QUARRY TILE | | MIN 8" HIGH F.R.P. BOARD (F.R.P. BOARD TO BOTTOM OF COUNTER) SEMI-GLOSS PAINTED GYP. BOARD BLOCK FILLER / PAINTED SEMI-GLOSS | | |
| BACK OF THE HOUSE (BOH) | | COMMERCIAL EPOXY QUARRY TILE | | PAINTED GYP. BOARD METAL ROOFING, METAL SALES / WHITE | |
| RESTROOMS | | | | | |
| MOP SINK | | | | | |

FINISH NOTES

- ALL BASES IN ABOVE FINISH SCHEDULE SHALL BE A CONTINUOUS COVE BASE MINIMUM 4" HIGH W/ 3/8" RADIUS.
- ALL PAINTED AREAS SHALL BE ENAMEL SEMI-GLOSS LIGHT-COLORED, SMOOTH AND EASILY CLEANABLE, W/ 75% REFLECTANCE OR GREATER.
- ACOUSTIC PANEL SHALL BE ARMSTRONG CLEAN ROOM OR EQUAL.
- SLIM FOOT TO BE HUNTINGTON PACIFIC CERAMIC MODEL # S3619T.
- GENERAL CONTRACTOR TO SUBMIT A SAMPLE OF CEILING TILE AND SLIM FOOT TO HEALTH DEPARTMENT FOR APPROVAL PRIOR TO CONSTRUCTION.
- STAINED SEALED CONCRETE TO BE ACID AND GREASE RESISTANT AND USDA APPROVED.

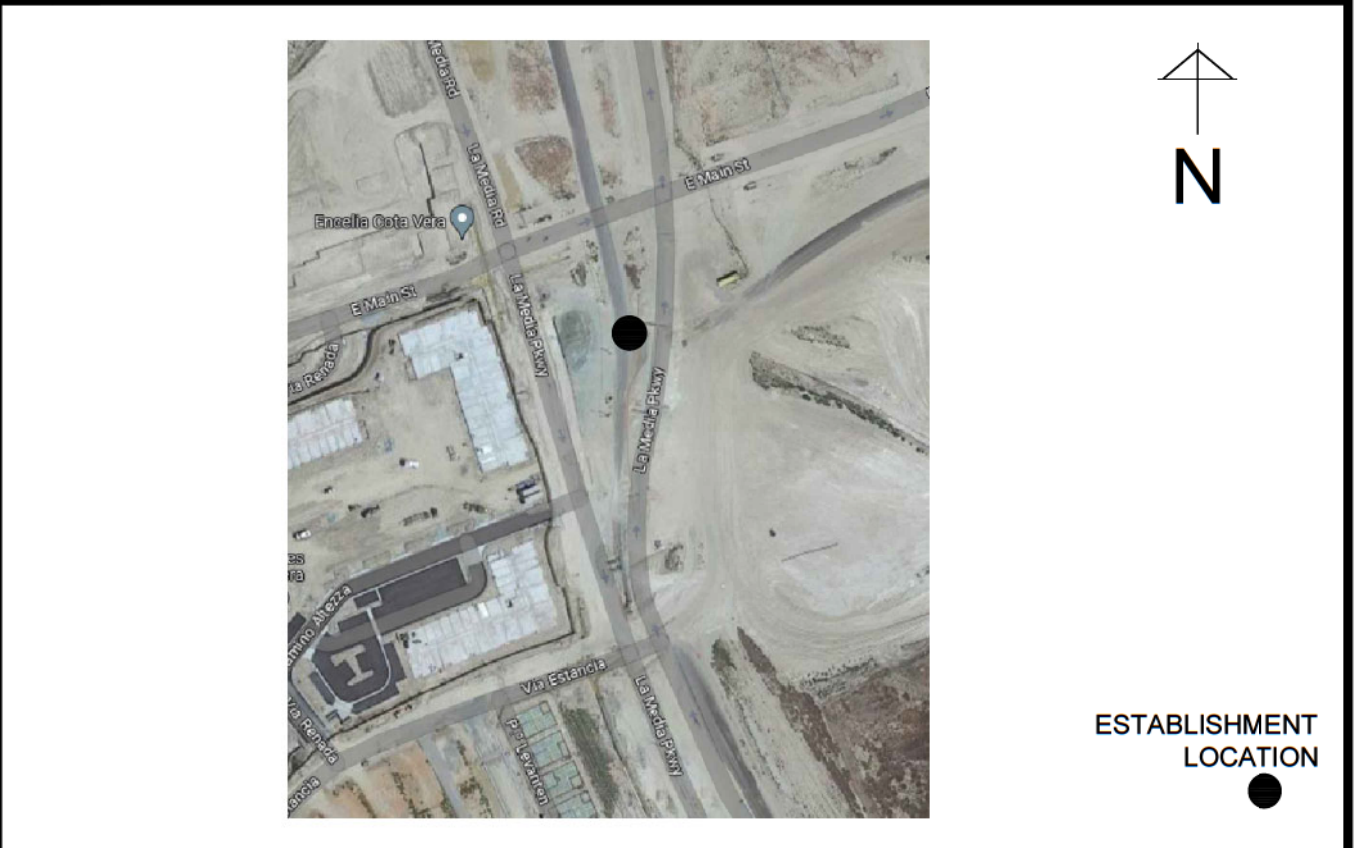
GENERAL NOTES

- ALCOHOL NOT SOLD ON PREMISES
 - SNEEZE GUARDS ARE NOT REQUIRED
 - MAXIMUM NUMBER OF EMPLOYEES PER SHIFT: 2
 - WATER DISTRICT: CITY OF CHULA VISTA
 - SEWER DISTRICT: CITY OF CHULA VISTA
 - SINGLE USE UTENSILS (ALL SINGLE SERVICE UTENSILS AND NAPKINS TO BE PREPACKAGED DUE TO COVID-19 UNTIL PUBLIC HEALTH ORDER IS MODIFIED)
- ESTABLISHMENT SQUARE FEET: 160 SQ. FT.
- SCOPE OF WORK: NEW LIMITED PREP FOOD FACILITY, NO FOOD WILL BE PREPARED, SLICED, WASHED OR COOKED.
- ALL FOOD BROUGHT INTO THIS SPACE. FRUITS AND VEGETABLES WILL BE PURCHASED PRE-WASHED, PRE-SLICED & PRE-PACKAGED. ANY FROZEN WILL BE THAWED UNDER REFRIGERATION TEMPERATURE, AND/OR FOOD WILL BE READY TO SERVE

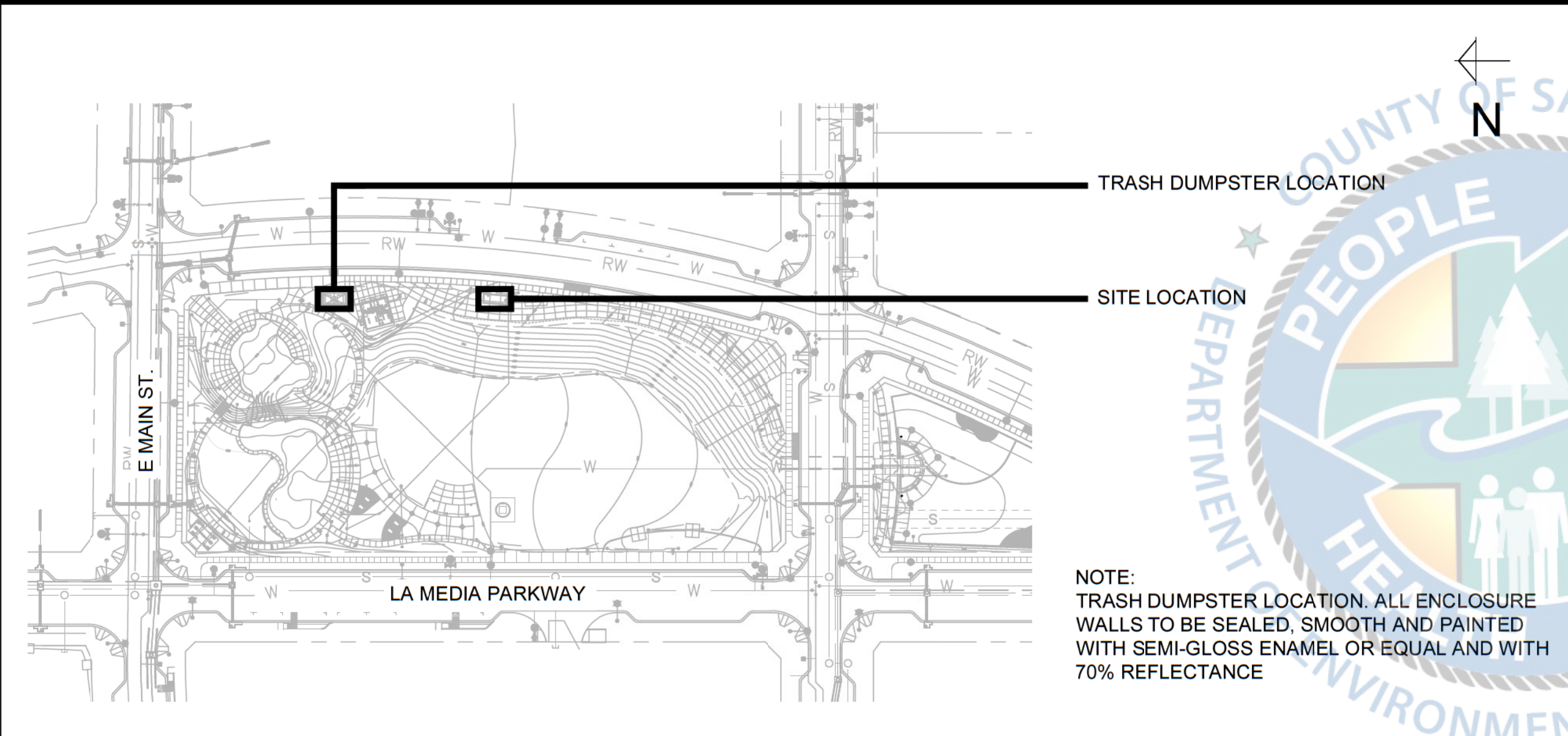
OWNER INFORMATION

OPERATOR/OWNER: HOMEFED VILLAGE 8 WEST, LLC
CONTACT PERSON: DON ROSS
E-MAIL: dross@hfc-ca.com
PHONE: (760) 918-8200 / (760) 219-1159

VICINITY MAP



TRASH DUMPSTER LOCATION



SHEET INDEX

- K-T FOODSERVICE TITLE SHEET AND FINISH SCHEDULE
- K-0.0 SITE PLAN
- K-1.0 FOODSERVICE EQUIPMENT PLAN, SCHEDULE AND ELEVATIONS
- K-2.0 FOODSERVICE ELECTRICAL & PLUMBING ROUGH-IN PLAN

REVISIONS

| NO. | DESCRIPTION | DATE |
|-----|----------------|----------|
| 1 | DEH CORRECTION | 09-27-23 |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |

ISSUE DATES

| CLIENT | DATE |
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| DESIGN DEVELOPMENT | |
| HEALTH DEPARTMENT | |
| PERMIT SET | |
| CONSTRUCTION SET | |

PROJECT NAME:
CENTRAL SQUARE

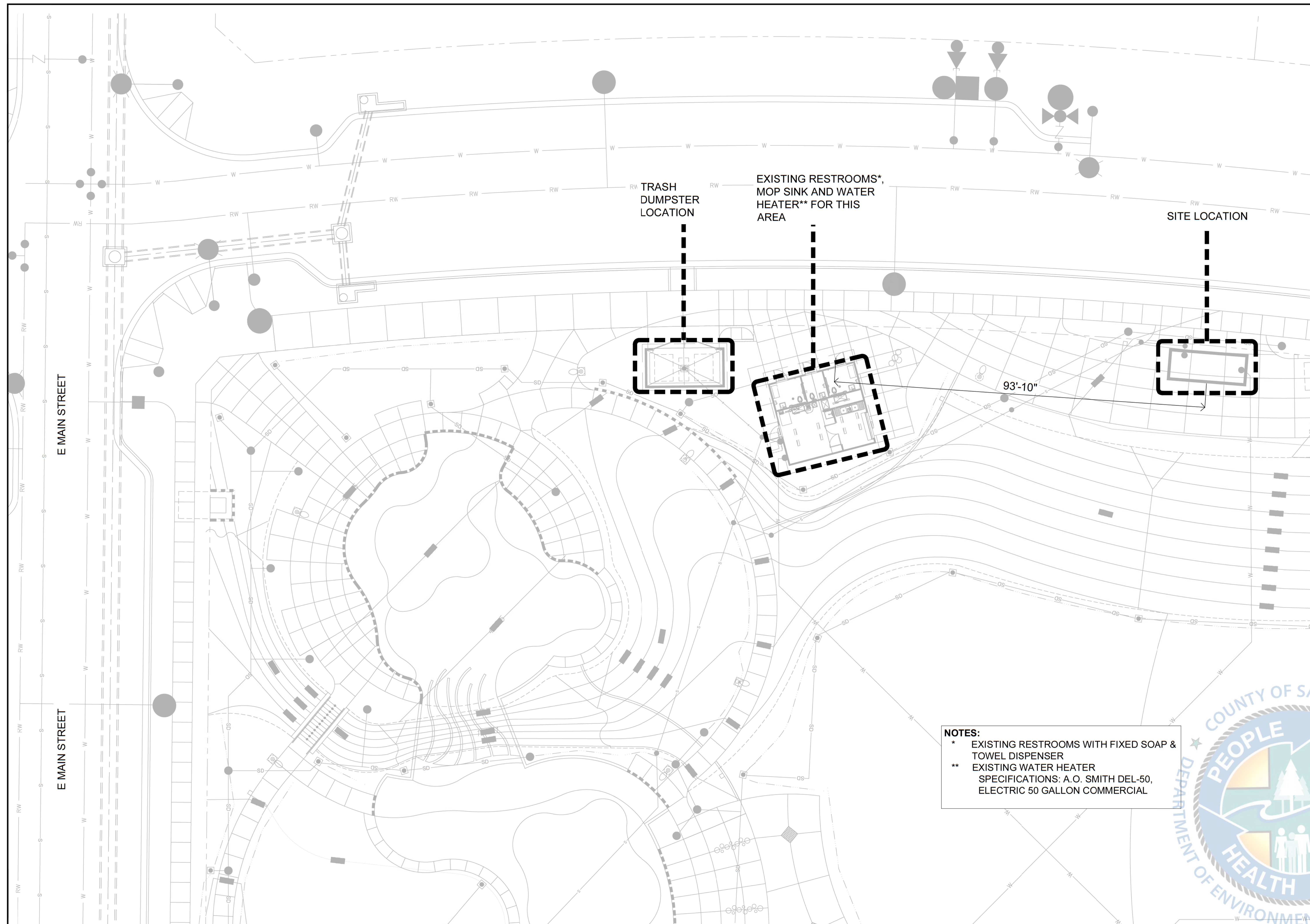
PROJECT LOCATION:
1960 LA MEDIA PARKWAY NORTH
CHULA VISTA CA 91913

DATE: 10-04-2023
SCALE: NONE

PROJECT NUMBER: 237923

SHEET TITLE:
**FOODSERVICE
TITLE SHEET AND FINISH
SCHEDULE**

SHEET NUMBER:
K-T



TRASH
DUMPSTER
LOCATION

EXISTING RESTROOMS*,
MOP SINK AND WATER
HEATER** FOR THIS
AREA

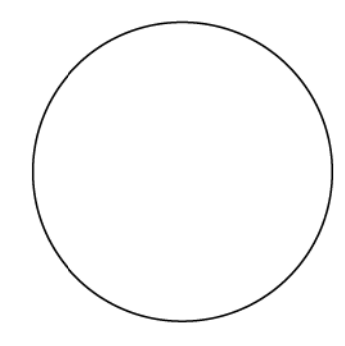
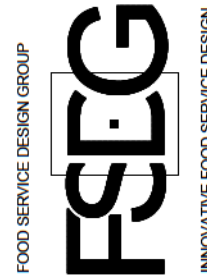
SITE LOCATION

93'-10"

NOTES:
 * EXISTING RESTROOMS WITH FIXED SOAP & TOWEL DISPENSER
 ** EXISTING WATER HEATER
 SPECIFICATIONS: A.O. SMITH DEL-50,
 ELECTRIC 50 GALLON COMMERCIAL



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REVISIONS

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ISSUE DATES

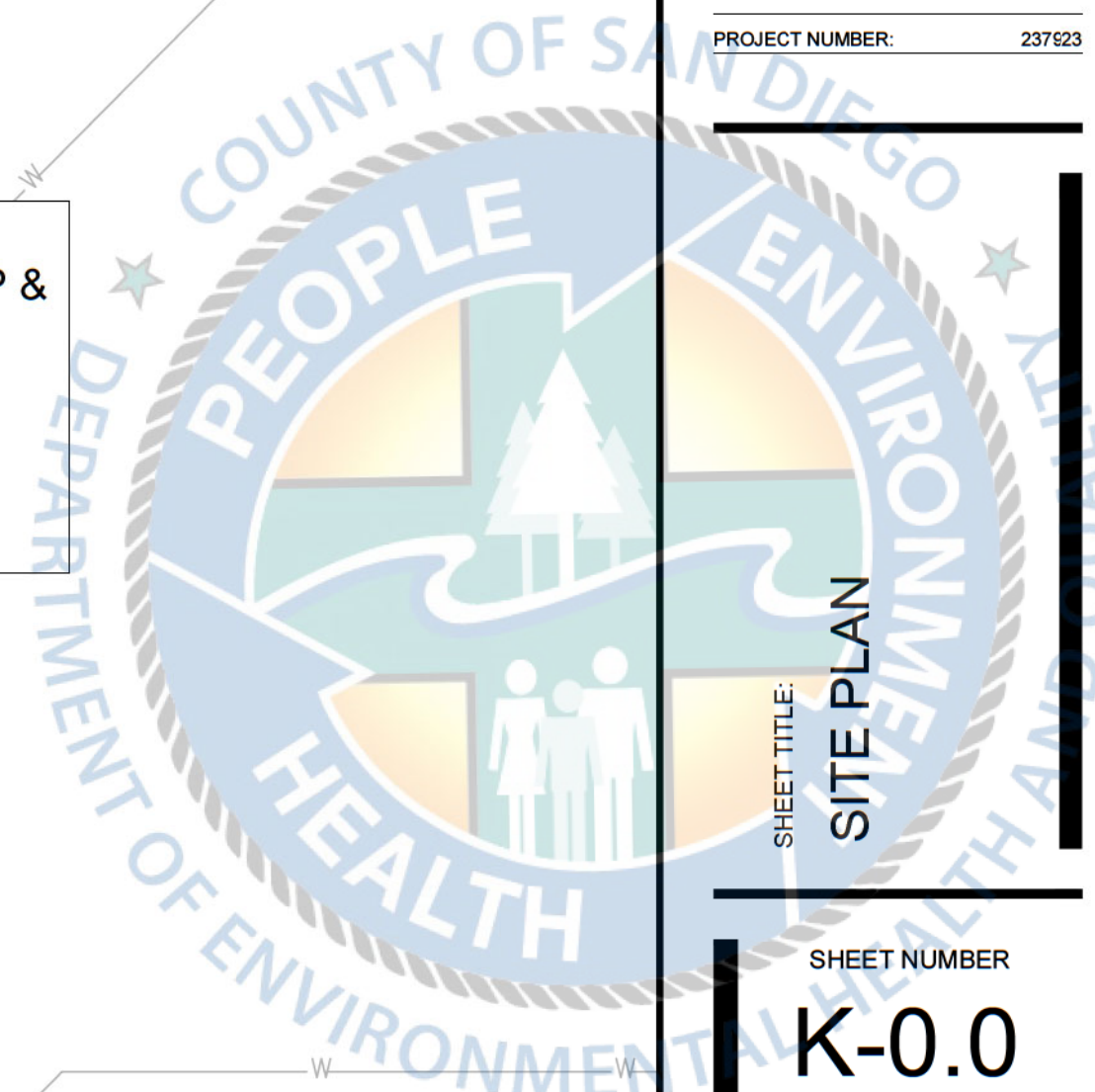
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| CLIENT | |
| DESIGN DEVELOPMENT | |
| HEALTH DEPARTMENT | |
| PERMIT SET | |
| CONSTRUCTION SET | |

PROJECT NAME:
CENTRAL SQUARE

PROJECT LOCATION:
 1960 LA MEDIA PARKWAY NORTH
 CHULA VISTA CA 91913

DATE: 10-04-2023
 SCALE: 1/4" = 1'-0"

PROJECT NUMBER: 237923

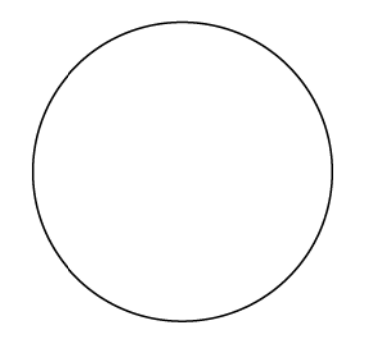
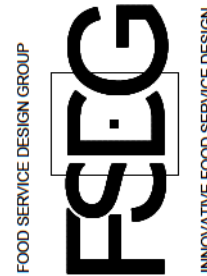


SHEET TITLE:
SITE PLAN

SHEET NUMBER:
K-0.0



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REVISIONS

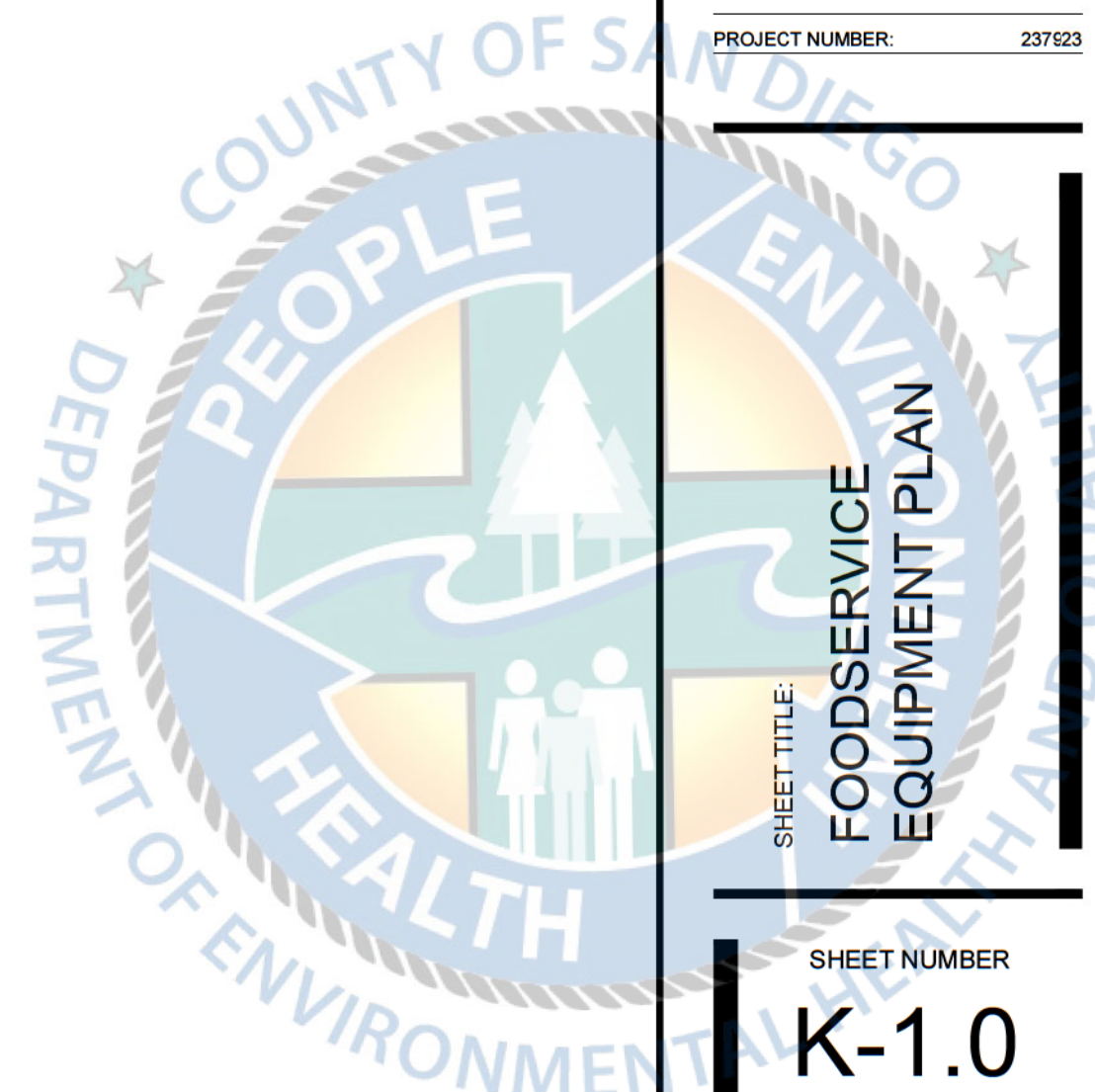
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ISSUE DATES

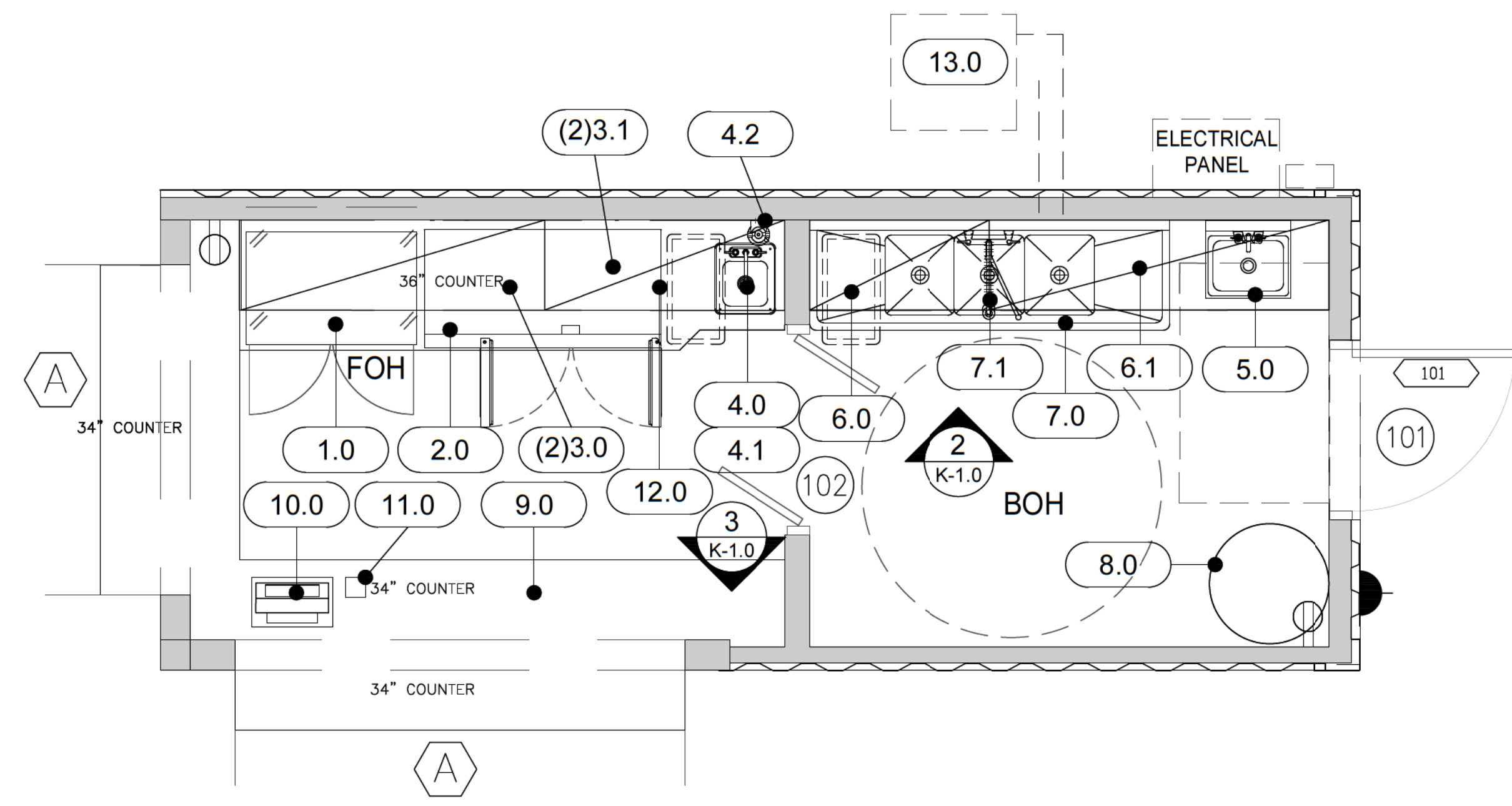
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| CLIENT | |
| DESIGN DEVELOPMENT | |
| HEALTH DEPARTMENT | |
| PERMIT SET | |
| CONSTRUCTION SET | |

PROJECT NAME:
CENTRAL SQUARE
PROJECT LOCATION:
1960 LA MEDIA PARKWAY NORTH
CHULA VISTA CA 91913

DATE: 10-04-2023
SCALE: 1/4" = 1'-0"
PROJECT NUMBER: 237123



SHEET TITLE:
**FOODSERVICE
EQUIPMENT PLAN**
SHEET NUMBER:
K-1.0



DOOR SCHEDULE

| NO. | DESCRIPTION | REMARKS |
|-----|----------------|---|
| 101 | FRONT ENTRANCE | SELF-CLOSING, TIGHT-FITTING OUTWARD FACING |
| 102 | BOH DOOR | SELF-CLOSING, DOUBLE TRAFFIC DOOR, TIGHT-FITTING, FULLY GASKETED ELIASON DOOR |

WINDOW SCHEDULE

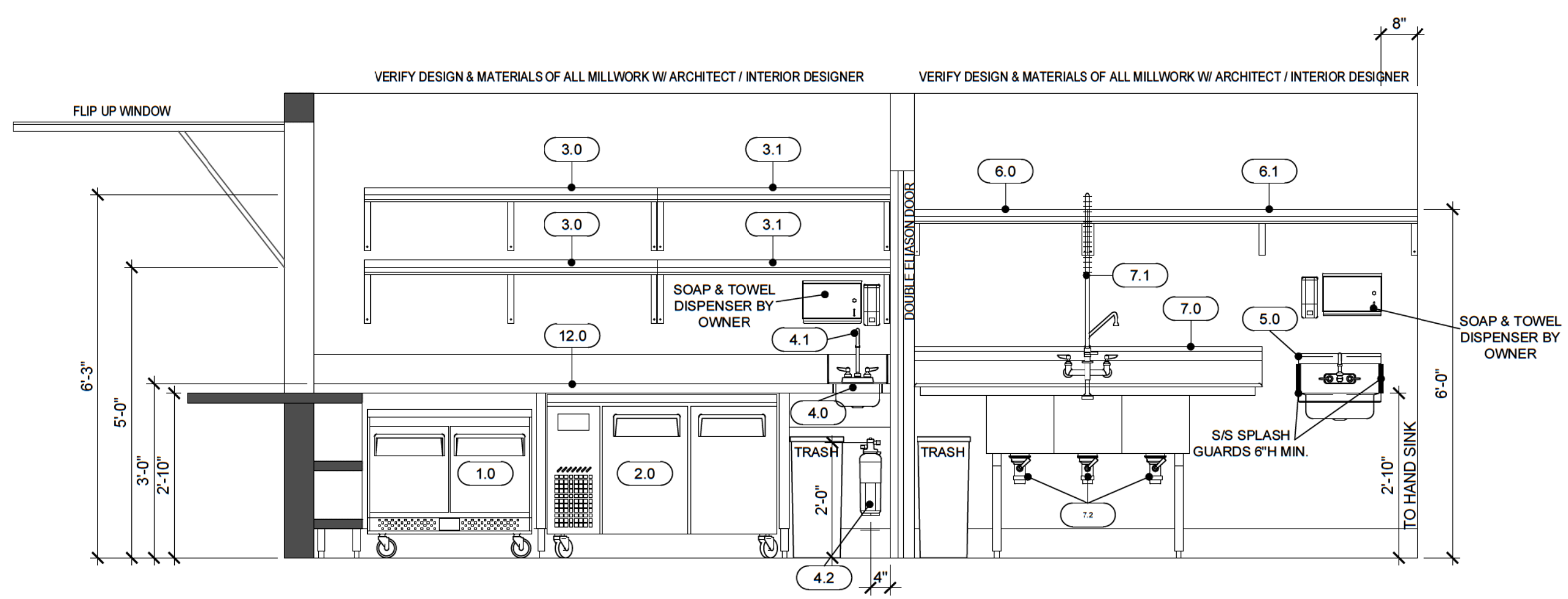
| NO. | DESCRIPTION | REMARKS |
|-----|----------------|-----------------|
| A | FLIP UP WINDOW | FLIP UP OPENING |

1 EQUIPMENT PLAN
SCALE | 1/2" = 1'-0"

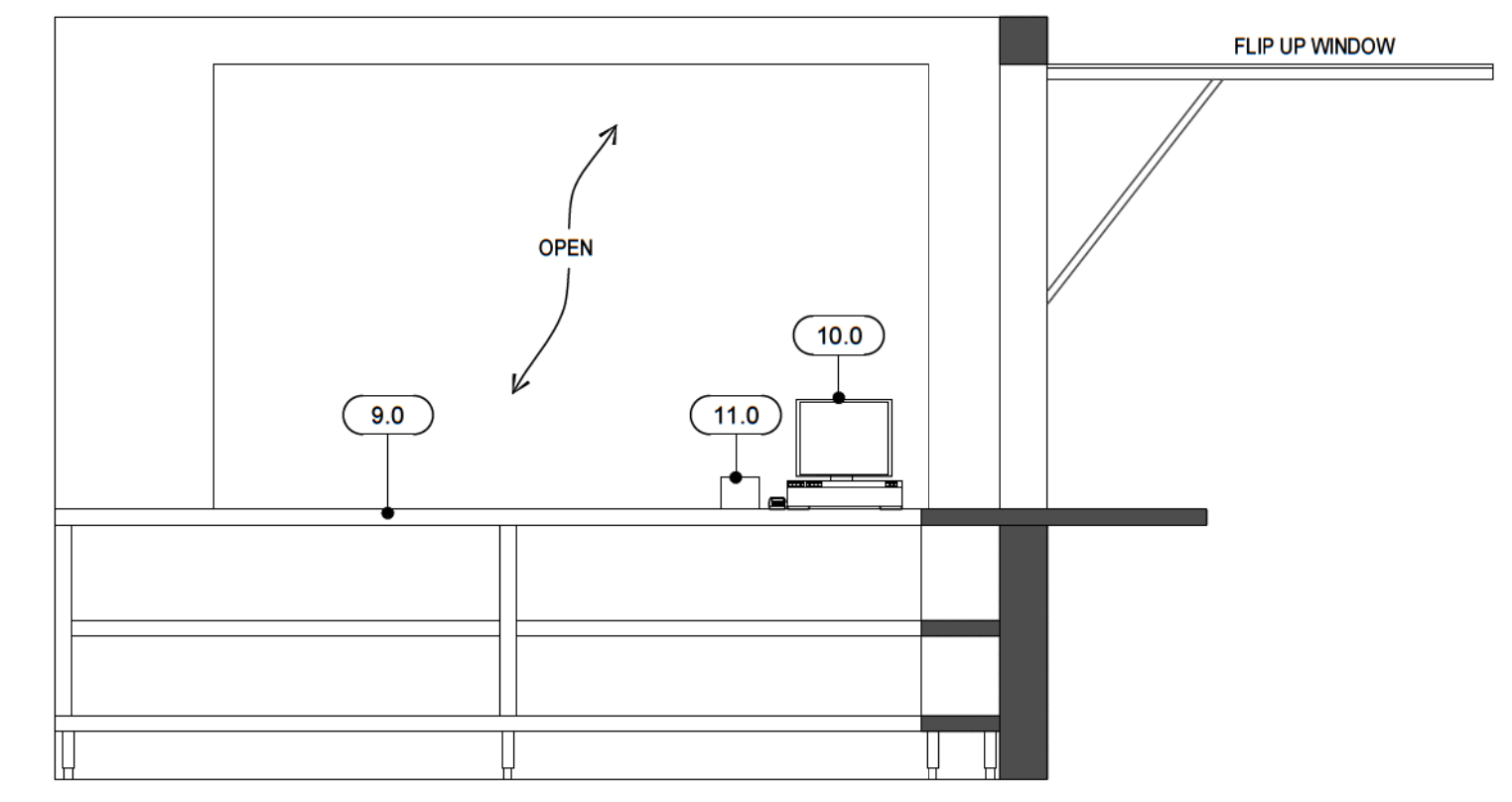
EQUIPMENT SCHEDULE

| EQUIPMENT | | | | ELECTRICAL | | | | | PLUMBING | | | | REMARKS | | |
|-----------|-----|--|------------------------|--------------------|-----|----|-----|------|----------|------------------------|------|------------------------|---------|-----|--|
| NO. | QTY | DESCRIPTION | MANUFACTURER | MODEL # | V | PH | AMP | KW | HP | CONNECT | | WASTE | | GAS | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| 1.0 | 1 | UNDERCOUNTER REFRIGERATOR W CASTERS (SELF-CONTAINED) | TURBO AIR | MUR-34S-N6 | 120 | 1 | 2.6 | 0.31 | | | | | | | |
| 2.0 | 1 | UNDERCOUNTER FREEZER W/ CASTERS (SELF-CONTAINED) | TURBO AIR | JUF-48S-N | 120 | 1 | 2.6 | 0.31 | | | | | | | |
| 3.0 | 2 | S/S WALL SHELF (60"W X 18"D) | CUSTOM STAINLESS STEEL | NSF APPROVED | | | | | | | | | | | |
| 3.1 | 2 | S/S WALL SHELF (48"W X 18"D) | CUSTOM STAINLESS STEEL | NSF APPROVED | | | | | | | | | | | |
| 4.0 | 1 | S/S DROP-IN HAND SINK W/ 6"H MIN. SIDE SPLASH GUARDS, SOAP & TOWEL DISPENSER BY OWNER | JOHN BOOS | PB-DISINK090905 | | | | | | | | | | | |
| 4.1 | 1 | FAUCET FOR ITEM 4.0 | T&S BRASS | B-1141 | | | | | | 1/2" | 1/2" | 1-1/2" | | X | |
| 4.2 | 1 | WATER FILTER FOR ITEM 4.1 | 3M | HF160-CLX | | | | | | | | | | | |
| 5.0 | 1 | WALL MOUNTED HAND SINK W/ FAUCET WITH 6"H MIN. SIDE SPLASH GUARDS, SOAP & TOWEL DISPENSER BY OWNER | JOHN BOOS | PBHS-W-1410-P-SSLR | | | | | | 1/2" | 1/2" | 1-1/2" | X | | |
| 6.0 | 1 | S/S WALL SHELF (36"W X 18"D) | CUSTOM STAINLESS STEEL | NSF APPROVED | | | | | | | | | | | |
| 6.1 | 1 | S/S WALL SHELF (68"W X 18"D) | CUSTOM STAINLESS STEEL | NSF APPROVED | | | | | | | | | | | |
| 7.0 | 1 | 3 COMPARTMENT SINK (16"X14"X12" COMPARTMENTS AND DUAL15" DRAINBOARDS) | TURBO AIR | TSCS-3-23 | | | | | | | | | | X | |
| 7.1 | 1 | PRE-RINSE W/ ADD-ON FAUCET | T&S BRASS | B-0133-01 | | | | | | 1/2" | 1/2" | 1-1/2" | | | |
| 7.2 | 3 | TWIST WASTE VALVE (NOT SHOWN ON PLANS) | T&S BRASS | B-3950 | | | | | | | | | | | |
| 8.0 | 1 | WATER HEATER (ELECTRIC) | A.O. SMITH | DEL-30 | | | | | | BY PLUMBING CONTRACTOR | | BY PLUMBING CONTRACTOR | | | |
| 9.0 | 1 | S/S FRONT AND SIDE COUNTER (34" HIGH) | CUSTOM STAINLESS STEEL | NSF APPROVED | | | | | | | | | | | |
| 10.0 | 1 | P.O.S. SYSTEM | BY OWNER | | 120 | 1 | 5.0 | 0.60 | | | | | | X | |
| 11.0 | 1 | PRINTER | BY OWNER | | 120 | 1 | 5.0 | 0.60 | | | | | | X | |
| 12.0 | 1 | S/S BACK COUNTER (36" HIGH) | CUSTOM STAINLESS STEEL | NSF APPROVED | | | | | | | | | | | |
| 13.0 | 1 | GREASE TRAP (LOCATED OUTSIDE OF FOOD FACILITY) | BY PLUMBING CONTRACTOR | | | | | | | | | | | | |

2 FOH & BOH
SCALE | 1/2" = 1'-0"

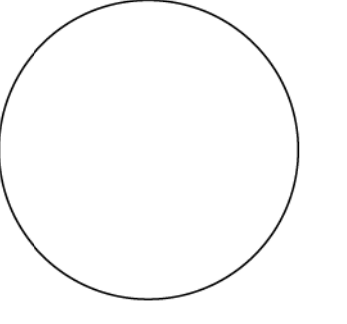


3 FRONT COUNTER
SCALE | 1/2" = 1'-0"





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ISSUE DATES

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| CLIENT | |
| DESIGN DEVELOPMENT | |
| HEALTH DEPARTMENT | |
| PERMIT SET | |
| CONSTRUCTION SET | |

PROJECT NAME: **CENTRAL SQUARE**
PROJECT LOCATION: **1960 LA MEDIA PARKWAY NORTH
CHULA VISTA CA 91913**

DATE: 10-04-2023
SCALE: 1/4" = 1'-0"
PROJECT NUMBER: 237923



SHEET TITLE: **FOODSERVICE ELECTRICAL ROUGH-IN PLAN**
SHEET NUMBER: **K-2.0**

GENERAL ELECTRICAL NOTES

- A. ALL ELECTRICAL ROUGH-INS SHOWN ON THIS PLAN ARE FOR FIXTURES AND EQUIPMENT SPECIFIED AS FURNISHED BY THE KITCHEN EQUIPMENT CONTRACTOR. UNLESS OTHERWISE NOTED, FOR ANY ADDITIONAL CONVENIENCE OUTLETS AND POWER NEEDED FOR NON FOOD SERVICE EQUIPMENT REFER TO ALL OTHER ELECTRICAL DRAWINGS & REQUIREMENTS.
- B. ELECTRICAL CONTRACTOR MUST VERIFY EQUIPMENT BEING USED SO THAT THE SERVICE REQUIREMENTS ARE ADEQUATELY SIZED AND ROUGHED-IN PROPERLY (LOCATION & HEIGHT) SO AS TO MINIMIZE THE AMOUNT OF MATERIALS & FITTINGS NEEDED FOR FINAL HOOKUP RESULTING IN A NEAT AND ORDERLY LOOKING JOB. ALL DIMENSIONS FOR ITEM'S RUNNING UNDER SLAB ARE FROM CENTER LINE OF COLUMN, OR OUTSIDE EDGE OF SLAB, TO CENTER OF ROUGH-INS. ALL OTHER DIMENSIONS ARE FROM FACE STUD.
- C. ALL OUTLETS & J-BOXES ARE TO BE SET HORIZONTALLY, MOUNTED FLUSH UNLESS NOTED OTHERWISE. ALL 120V OUTLETS NOT DESIGNATED WITH SPECIFIC LOADS, TO BE RATED AT 15 AMPS WITH MINIMUM LOOPING.
- D. ALL SERVICES SHOWN WITH SYMBOLS CENTERED ON FACE OF WALL SHOULD BE BROUGHT TO THAT POINT CONCEALED IN WALL AND STUBBED OUT OF WALL CENTERED AT HEIGHT SHOWN. DO NOT STUB OUT OF FLOOR AND RUN EXPOSED UP FACE OF WALL.
- E. ELECTRICAL CONTRACTOR SHALL BRANCH TO CONNECTIONS WHERE REQUIRED AND CONNECT ALL ELECTRICAL EQUIPMENT, FIXTURES, INCLUDING INTERNAL WIRING REQUIRED IN FIXTURES AND APPLIANCES AS REQUIRED BY CODE, SPECIFICATIONS AND/OR DRAWINGS.
- F. ALL LABOR, SWITCHES, STARTERS, DISCONNECTS & FITTINGS REQUIRED FOR FOR FINAL CONNECTION OF EQUIPMENT AS NECESSARY TO COMPLY WITH ALL CODES, INCLUDING ALL INTER WIRING TO BE FURNISHED BY ELECTRICAL CONTRACTOR UNLESS SPECIFIED OTHERWISE IN FOOD SERVICE EQUIPMENT CONTRACT.
- G. ALL ELECTRICAL OUTLET COVER PLATES ARE TO BE STAINLESS STEEL. THOSE REQUIRED IN BUILDING STRUCTURE ARE TO BE FURNISHED BY THE ELECTRICAL CONTRACTOR WITH RECEPTACLE. ALL MAIN BREAKER PANELS AND DISCONNECT SWITCHES REQUIRED BY OTHER ELECTRICAL DRAWINGS ARE TO BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AT TIME OF INSTALLATION.
- H. ELECTRICAL CONTRACTOR TO PROVIDE TIE-IN WIRING BETWEEN FIRE PROTECTION SYSTEM BOTTLE CONTROL HEAD, MICRO-SWITCH AND COOKING EQUIPMENT TO COMPLY WITH APPLICABLE LOCAL CODE REQUIREMENTS FOR EMERGENCY SHUTDOWN OF ENTIRE COOKLINE EQUIPMENT AND ELECTRICAL POWER. SHUNT TRIP CIRCUITRY MAY BE REQUIRED, REFER TO ALL OTHER ELECTRICAL DRAWINGS & REQUIREMENTS.
- I. ALL THREE (3) PHASE POWER CONNECTIONS TO BE ON A FOUR (4) WIRE SYSTEM. ALL SINGLE (1) PHASE POWER CONNECTIONS TO BE ON A THREE (3) WIRE SYSTEM UNLESS NOTED OTHERWISE.
- J. ELECTRICAL CONTRACTOR SHALL RUN CONTROL WIRING BETWEEN WALK-IN COOLERS/ FREEZERS CONDENSER & EVAPORATOR. PULL WIRES FROM WALK-INS EVAPORATOR TO PANEL. SET ONE DISCONNECT PER EACH CONDENSING UNIT. INSTALL AND WIRE EXTRA LIGHTS IN WALK-IN COOLERS AND FREEZERS AS REQUIRED THRU DOOR SWITCH, WIRE HEAT STRIP TO SAME CIRCUIT AS WALK-IN LIGHTS AND PROVIDE WRAP AROUND HEATER CABLE ON ALL EVAPORATOR DRAIN LINES.
- K. ELECTRICAL CONTRACTOR TO INSTALL HOOD LIGHTING, INTERCONNECT LIGHTS WHEN MORE THAN ONE LIGHT IS PROVIDED AND MAKE FINAL ELECTRICAL CONNECTIONS PER CODE.

ELECTRICAL LEGEND

| | |
|------|--|
| ○ | SINGLE OUTLET |
| ⊖ | DUPLEX OUTLET |
| ⊕ | QUAD OUTLET |
| ⊖⊕ | I.G. (ISOLATED GROUND) DUPLEX OUTLET |
| Ⓜ | J-BOX (JUNCTION BOX) |
| Ⓜ | DATA |
| Ⓜ | FLOOR RECEPTACLE |
| ○ | CONDUIT STUB-UP FROM FLOOR |
| Ⓜ | DISCONNECT SWITCH |
| Ⓜ | TELEPHONE |
| Ⓜ | REMOTE SWITCH |
| +12" | A.F.F. - ABOVE FINISHED FLOOR TO CENTER OF ROUGH-IN |
| E.C. | ELECTRICAL CONTRACTOR |
| CONV | CONVENIENCE OUTLET |
| Ⓜ | 5 MIN. AIR EXCHANGE FAN, 12 EXCHANGES / HOUR VENTILATION IN ROOM IS LIGHT SWITCH ACTIVATED |
| Ⓜ | FIRE PULL STATION |
| Ⓜ | HOOD LIGHT |

GENERAL PLUMBING NOTES

- A. PLUMBING CONTRACTOR MUST VERIFY EQUIPMENT BEING USED SO THAT THE SERVICE REQUIREMENTS ARE ADEQUATELY SIZED AND ROUGHED-IN PROPERLY (LOCATION & HEIGHT), SO AS TO MINIMIZE THE AMOUNT OF MATERIALS AND FITTINGS NEEDED FOR FINAL HOOKUP RESULTING IN A NEAT & ORDERLY LOOKING JOB. ALL DIMENSIONS FOR ITEM'S RUNNING UNDER SLAB ARE FROM CENTER LINE OF COLUMN TO CENTER OF ROUGH-INS. ALL OTHER DIMENSIONS ARE FROM FACE OF STUD.
- B. ALL PLUMBING ROUGH-INS AND REQUIREMENTS SHOWN ON THIS SHEET ARE FOR FIXTURES AND EQUIPMENT FURNISHED BY THE KITCHEN EQUIPMENT SUPPLIER, UNLESS OTHERWISE NOTED. FOR ANY ADDITIONAL BUILDING PLUMBING REQUIREMENTS REFER TO ALL OTHER PLUMBING SHEETS.
- C. PLUMBING SHALL NOT INTERFERE WITH OPERATION OR FUNCTION OF EQUIPMENT. SECURE TO EQUIPMENT, WALLS OR FLOOR AS REQUIRED BY CODE. ALL ROUGH-INS SHOWN ARE TO BE RUN INSIDE WALLS, (EXCEPT STUB-UPS) LOCATIONS INDICATE POINT OF EXIT FROM WALLS, CEILING OR FLOOR. ALL FLOOR & WALL PENETRATIONS MUST BE SEALED WATER TIGHT AND VERMIN PROOF.
- D. ALL SERVICES SHOWN WITH SYMBOLS CENTERED ON FACE OF STUD WALL SHOULD BE BROUGHT TO THAT POINT CONCEALED IN WALL AND STUBBED OUT OF WALL CENTERED AT HEIGHT SHOWN. DO NOT STUB OUT OF FLOOR AND RUN EXPOSED UP FACE OF WALL.
- E. PLUMBING CONTRACTOR SHALL RUN CONDENSATE LINES FROM UNITS TO DRAINS AS SHOWN, THIS LINE SHALL BE NO SMALLER THAN THE STUB OUT OF THE FIXTURE. CONDENSATE DRAIN LINES ARE TO BE INSULATED THEIR ENTIRE LENGTH. FOR SPECIFIC TYPE OF CONNECTION AND LOCATIONS REFER TO THE KITCHEN EQUIPMENT BROCHURES AND DRAWINGS.
- F. ALL LABOR, VALVES, TRAPS, TAILPIECES, STRAINERS, WATER LINES, GAS LINES, CUT OFFS, TRAPS, HYDROSTATIC SHOCK ELIMINATORS, INDIVIDUAL SHUT OFF-VALVES, PRESSURE - REDUCING VALVES & FITTINGS REQUIRED FOR FINAL CONNECTIONS OF EQUIPMENT AS NECESSARY TO COMPLY WITH ALL CODES, INCLUDING ALL INTERCONNECTIONS, SHALL BE FURNISHED & INSTALLED BY PLUMBING CONTRACTOR UNLESS STATED OTHERWISE IN FOOD SERVICE EQUIPMENT CONTRACT OR GENERAL SPECIFICATIONS.
- G. ALL GAS LINES TO BE PAINTED BLACK.
- H. ALL FLOOR DRAINS ARE TO BE SET 1/2" BELOW FINISHED FLOOR UNLESS OTHERWISE NOTED. DO NOT SLOPE FLOORS SO CLOSE TO DRAINS AS TO CREATE "PITS" OR "DIPS" IN FLOOR. MINIMUM RADIUS OF SLOPE TO BE 24" FROM CENTERLINE OF DRAIN.
- I. ALL FLOOR SINKS SHOWN ARE TO BE SET FLUSH WITH FINISHED FLOOR, TRAPPED WITH LEGAL AIR GAP.
- J. IF ELECTROLYSIS CONDITIONS EXIST, A DIELECTRIC COUPLING SHOULD BE USED IN FINAL PLUMBING CONNECTION TO ALL WATER COOLED EQUIPMENT.
- K. KITCHEN EQUIPMENT SUPPLIER TO PROVIDE ALL FAUCETS, DRAIN OUTLET FITTINGS IN FIXTURES AND SPECIALITY ITEMS AS OUTLINED IN THE ITEM AND GENERAL PRODUCT SPECIFICATIONS.
- L. ALL WORK RELATING TO THE INSTALLATION & HOOKUP OF THE SPECIFIED EQUIPMENT IS TO BE PERFORMED IN FULL ACCORDANCE WITH ALL AUTHORITY HAVING JURISDICTION.
- M. WALL PENETRATIONS FOR DRAIN LINES REQUIRE ESCUTCHEON PLATES.
- N. ALL SERVICES SHOWN WITH SYMBOLS AWAY FROM ANY WALL OR COLUMN SHOULD BE STUBBED OUT OF FLOOR OR CEILING TO MAXIMUM OVERALL HEIGHT AS SHOWN.
- O. PLUMBING CONTRACTOR SHALL PROVIDE & INSTALL ALL ROUGH-INS, FINAL CONNECTIONS FOR KITCHEN EQUIPMENT FURNISHED BY OTHERS OR THE CONTRACTOR.
- P. PLUMBING CONTRACTOR TO PROVIDE & INSTALL ALL NECESSARY BACKFLOW PREVENTION DEVICES.

PLUMBING LEGEND

| | |
|------|---|
| ○ | DIRECT WASTE |
| Ⓜ | TRENCH DRAIN (TD) |
| Ⓜ | FLOOR DRAIN (FD) |
| Ⓜ | FLOOR DRAIN W/ 4" HIGH FUNNEL (FF) |
| Ⓜ | FLOOR SINK (FS) |
| Ⓜ | HUB DRAIN (HD) |
| FS | 12"x12" FLOOR SINK |
| ○ | COLD WATER (C.W.) |
| ● | HOT WATER (H.W.) |
| Ⓜ | GAS LINE |
| Ⓜ | SODA, BEER, WINE LINE CHASE |
| Ⓜ | INDIRECT DRAIN LINE AS REQUIRED |
| +12" | A.F.F. - ABOVE FINISHED FLOOR TO CENTER OF ROUGH-IN |
| P.C. | PLUMBING CONTRACTOR |

WATER HEATER CALCULATIONS (ELECTRIC)

PER HEALTH DEPARTMENT

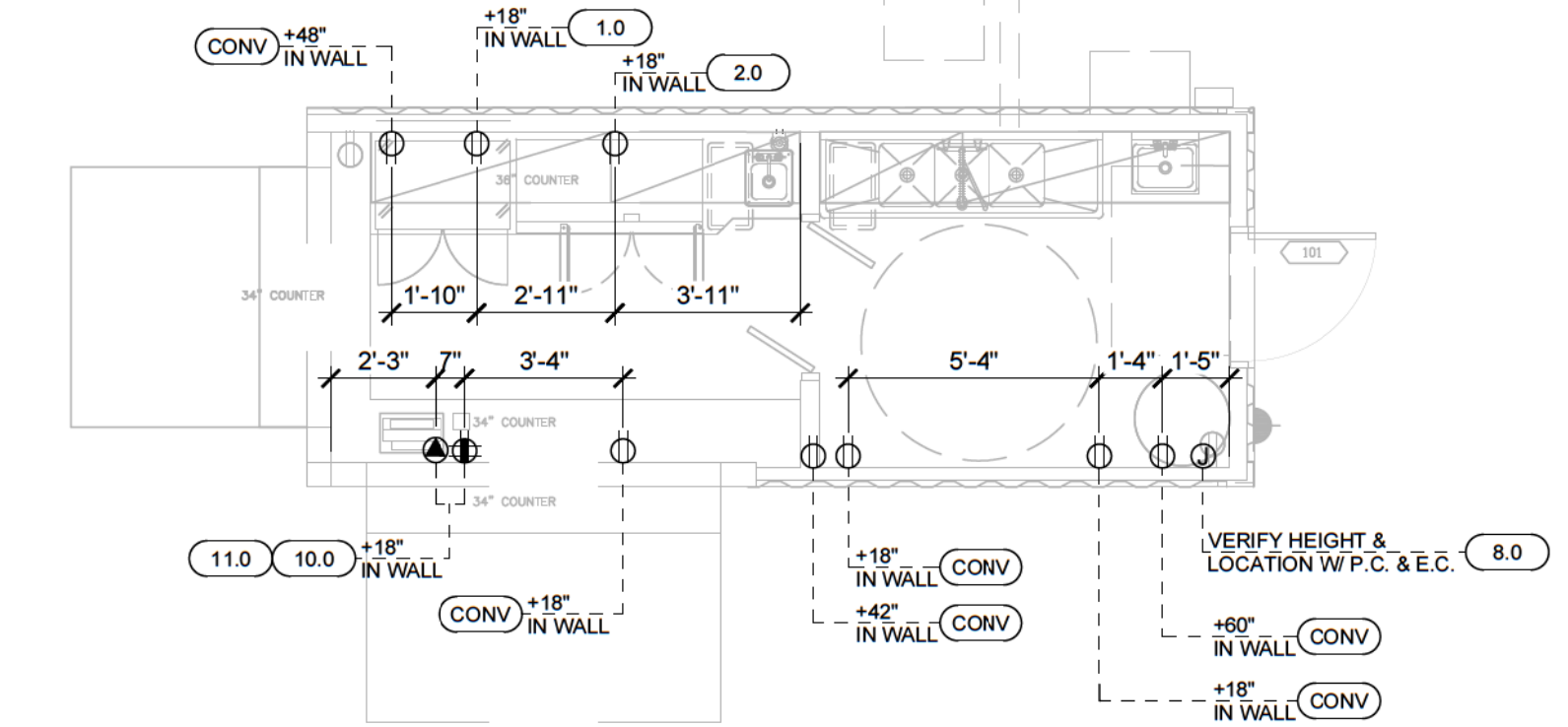
| | | |
|---|------------------|--------|
| 1 | 3-COMP. POT SINK | 42 GPH |
| 2 | HAND SINK | 10 GPH |
| | TOTAL | 52 GPH |

52 x 60 x 8.33 = 7.77 KW
KW = 3344

WATER HEATER SPECIFICATION

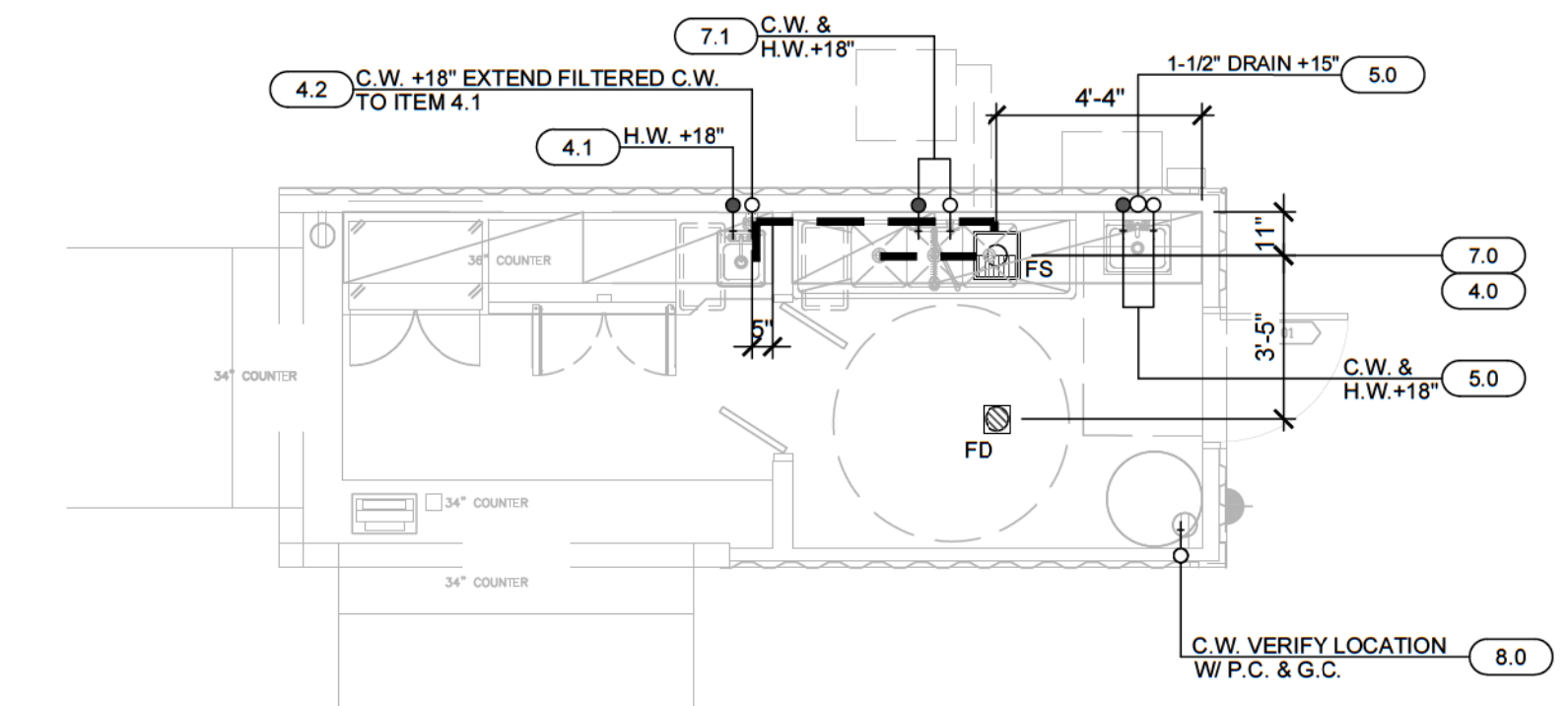
MANUFACTURE: A.O. SMITH
MODEL: DEL-30
KW INPUT: 8 KW
GPH @ 90°F RISE: 54 GPH

NOTE: ALL HEATING ELEMENTS ARE TO OPERATE SIMULTANEOUSLY



1 ELECTRICAL ROUGH-IN PLAN

SCALE | 1/4" = 1'-0"



2 PLUMBING ROUGH-IN PLAN

SCALE | 1/4" = 1'-0"

EQUIPMENT SCHEDULE

| EQUIPMENT | | | | ELECTRICAL | | | | | PLUMBING | | | | | REMARKS | | | | | |
|-----------|-----|--|------------------------|--------------------|-----|----|-----|------|----------|----------|-----------|---------------|--------|---------|-------|-----|----------|------|----------------------------------|
| NO. | QTY | DESCRIPTION | MANUFACTURER | MODEL # | V | PH | AMP | KW | HP | CONNECT | | SUPPLY P.O.C. | | | WASTE | | | GAS | |
| | | | | | | | | | | WIRED DR | CORD/PLUG | HOT | COLD | | SIZE | DIR | INDIRECT | SIZE | MBH |
| 1.0 | 1 | UNDERCOUNTER REFRIGERATOR W/ CASTERS (SELF-CONTAINED) | TURBO AIR | MUR-34S-N6 | 120 | 1 | 2.6 | 0.31 | | | | | | | | | | | |
| 2.0 | 1 | UNDERCOUNTER FREEZER W/ CASTERS (SELF-CONTAINED) | TURBO AIR | JUF-48S-N | 120 | 1 | 2.6 | 0.31 | | | | | | | | | | | |
| 3.0 | 2 | S/S WALL SHELF (60"W X 18"D) | CUSTOM STAINLESS STEEL | NSF APPROVED | | | | | | | | | | | | | | | |
| 3.1 | 2 | S/S WALL SHELF (48"W X 18"D) | CUSTOM STAINLESS STEEL | NSF APPROVED | | | | | | | | | | | | | | | |
| 4.0 | 1 | S/S DROP-IN HAND SINK W/ 6"H MIN. SIDE SPLASH GUARDS, SOAP & TOWEL DISPENSER BY OWNER | JOHN BOOS | PB-DISINK090905 | | | | | | | | | | 1-1/2" | | X | | | |
| 4.1 | 1 | FAUCET FOR ITEM 4.0 | T&S BRASS | B-1141 | | | | | | | 1/2" | 1/2" | | | | | | | FILTERED C.W. FROM ITEM 4.2 |
| 4.2 | 1 | WATER FILTER FOR ITEM 4.1 | 3M | HF160-CLX | | | | | | | | | | | | | | | EXTEND FILTERED C.W. TO ITEM 4.1 |
| 5.0 | 1 | WALL MOUNTED HAND SINK W/ FAUCET WITH 6"H MIN. SIDE SPLASH GUARDS, SOAP & TOWEL DISPENSER BY OWNER | JOHN BOOS | PBHS-W-1410-P-SSLR | | | | | | | 1/2" | 1/2" | 1-1/2" | X | | | | | |
| 6.0 | 1 | S/S WALL SHELF (36"W X 18"D) | CUSTOM STAINLESS STEEL | NSF APPROVED | | | | | | | | | | | | | | | |
| 6.1 | 1 | S/S WALL SHELF (68"W X 18"D) | CUSTOM STAINLESS STEEL | NSF APPROVED | | | | | | | | | | | | | | | |
| 7.0 | 1 | 3 COMPARTMENT SINK (16"x14"x12" COMPARTMENTS AND DUAL 15" DRAINBOARDS) | TURBO AIR | TSCS-3-23 | | | | | | | | | 1-1/2" | | X | | | | |
| 7.1 | 1 | PRE-RINSE W/ ADD-ON FAUCET | T&S BRASS | B-0133-01 | | | | | | | 1/2" | 1/2" | | | | | | | |
| 7.2 | 3 | TWIST WASTE VALVE (NOT SHOWN ON PLANS) | T&S BRASS | B-3950 | | | | | | | | | | | | | | | |
| 8.0 | 1 | WATER HEATER (ELECTRIC) | A.O. SMITH | DEL-30 | | | | | | | | | | | | | | | |
| 9.0 | 1 | S/S FRONT AND SIDE COUNTER (34" HIGH) | CUSTOM STAINLESS STEEL | NSF APPROVED | | | | | | | | | | | | | | | |
| 10.0 | 1 | P.O.S. SYSTEM | BY OWNER | | 120 | 1 | 5.0 | 0.60 | | | | X | | | | | | | |
| 11.0 | 1 | PRINTER | BY OWNER | | 120 | 1 | 5.0 | 0.60 | | | | X | | | | | | | |
| 12.0 | 1 | S/S BACK COUNTER (36" HIGH) | CUSTOM STAINLESS STEEL | NSF APPROVED | | | | | | | | | | | | | | | |
| 13.0 | 1 | GREASE TRAP (LOCATED OUTSIDE OF FOOD FACILITY) | BY PLUMBING CONTRACTOR | | | | | | | | | | | | | | | | |