

TRACY HOMELESSNESS ADVISORY COMMITTEE SPECIAL MEETING AGENDA

Wednesday, May 21, 2025, 5:00 P.M.

Tracy City Hall, 333 Civic Center Plaza, Tracy

Web Site: www.cityoftracy.org

**THIS MEETING WILL BE OPEN TO THE PUBLIC FOR IN-PERSON AND
REMOTE PARTICIPATION PURSUANT TO GOVERNMENT CODE SECTION
54953(e).**

**MEMBERS OF THE PUBLIC MAY PARTICIPATE REMOTELY IN THE MEETING VIA
THE FOLLOWING METHOD:**

As always, the public may view the Tracy Homelessness Advisory Committee meetings live on the City of Tracy's website at CityofTracy.org or on Comcast Channel 26/AT&T U-verse Channel 99. To view from the City's website, open the "Government" menu at the top of the City's homepage and select "Tracy Homelessness Advisory Committee", then select "[View Homelessness Advisory Committee Meetings on YouTube](#)" under the "Boards and Commissions" section.

If you only wish to watch the meeting and do not wish to address the Council, the City requests that you stream the meeting through the City's website or watch on Channel 26.

Remote Public Comment:

During the upcoming Homelessness Advisory Committee meeting public comment will be accepted via the options listed below. If you would like to comment remotely, please follow the protocols below:

- *Comments via:*
 - **Online by visiting** <https://cityoftracyevents.webex.com> and using the following **Event Number: 2558 027 0563** and **Event Password: THAC**
 - ***If you would like to participate in the public comment anonymously***, you may submit your comment in WebEx by typing "Anonymous" when prompted to provide a First and Last Name and inserting Anonymous@example.com when prompted to provide an email address.
 - ***Join by phone by dialing +1-408-418-9388, enter 25580270563#8422# Press *3 to raise the hand icon to speak on an item.***
- *Protocols for commenting via WebEx:*
 - *If you wish to comment on the "Consent Calendar", "Items from the Audience/Public Comment" or "Regular Agenda" portions of the agenda:*
 - *Listen for the Chairperson to open that portion of the agenda for discussion, then raise your hand to speak by clicking on the Hand icon on the Participants panel to the right of your screen.*
 - *If you no longer wish to comment, you may lower your hand by clicking on the Hand icon again.*

- *Comments for the “Consent Calendar” “Items from the Agenda/Public Comment” or “Regular Agenda” portions of the agenda will be accepted until the public comment for that item is closed.*

Government Code Section 54954.3 states that every public meeting shall provide an opportunity for the public to address the Tracy Homelessness Advisory Committee on any item, before or during consideration of the item, however no action shall be taken on any item not on the agenda.

Full copies of the agenda are available on the City’s website: www.cityoftracy.org

CALL TO ORDER

ROLL CALL

1. CONSENT CALENDAR

1.A. Adoption of April 17, 2025, Regular Meeting Minutes

2. ITEMS FROM THE AUDIENCE - *In accordance with Council Meeting Protocols and Rules of Procedure, adopted by Resolution 2019-240, a five-minute maximum time limit per speaker will apply to all individuals speaking during “Items from the Audience/Public Comment”. For non-agendized items, Advisory Committee members may briefly respond to statements made or questions posed by individuals during public comment; ask questions for clarification; direct the individual to the appropriate staff member; or request that the matter be placed on a future agenda or that staff provide additional information to the Tracy Homelessness Advisory Committee.*

3. REGULAR AGENDA

- 3.A The Tracy Homelessness Advisory Committee recommends that the City Council adopt a resolution (1) making a determination that compliance with standard procurement process is not in the best interest of the City and dispense the bidding requirements for the purchase of premanufactured custom container units for restrooms and showers from Linked Equipment, LLC. an Arizona Limited Liability Corporation, Tracy Municipal Code Section 2.20.180(4); and (2) approving the Purchase Agreement for Goods, Commodities, and Ancillary Services with Linked Equipment, LLC., for four (4) premanufactured customized containers to provide permanent restrooms and showers to be installed as part of the Phase II 2024 Site Improvements at the Temporary Emergency Housing Facility Project, CIP 71112, at 370 W. Arbor Avenue, for a Not-To-Exceed amount of \$448,074.

4. STAFF ITEMS
5. COMMITTEE ITEMS
6. ADJOURNMENT

Posting Date: **May 20, 2025**

The City of Tracy is in compliance with the Americans with Disabilities Act and will make all reasonable accommodations for the disabled to participate in employment, programs and facilities. Persons requiring assistance or auxiliary aids in order to participate, should contact the City Manager's Office at (209) 831-6000 at least 24 hours prior to the meeting.

TRACY HOMELESSNESS ADVISORY COMMITTEE REGULAR MEETING MINUTES

Thursday, April 17, 2025, 7:00 P.M.

Tracy City Hall, 333 Civic Center Plaza, Tracy

Web Site: www.cityoftracy.org

CALL TO ORDER-Chairperson Bedolla called the meeting to order at 7:00 PM

ROLL CALL- City Clerk. Roll call found Chairperson Bedolla and Vice Chair Abercrombie present in City Hall, Council Chambers

Chairperson Bedolla addressed the public and made an announcement recognizing the hard work from City staff along with the service providers and the community and his commitment to continue the conversation and to find the appropriate solutions together.

1. CONSENT CALENDAR- Motion was made by Vice Chair Abercrombie and seconded by Chairperson Bedolla to adopt the Consent Calendar. Roll call found all in favor; passed and so ordered.

- 1.A. Adoption of February 20, 2025, Regular Meeting Minutes- **Minutes were adopted**

2. ITEMS FROM THE AUDIENCE - Jerry, member of the public shared that he and other volunteers are providing meals to those participating in Tracy Community Connection Center (TCCC) laundry services program while they wait for their loads to be completed. He is asking for the community to reach out, connect and donate so they can continue to provide meal services.

Paul Healey asked the committee if they were aware of how the City of San Jose is addressing their homeless community and how churches are adding tiny homes to their property to provide housing support to the unhoused. He also highlighted the innovated ways that the City of San Jose is looking at the problem and looking for solutions.

Tom Heckman with Innovated Dwelling Solutions wanted to follow-up with what was said by the previous speaker and expressed that he is well versed in the programs and models that they are doing in San Jose and SB 4 and would like to have a discussion with someone in the City and potentially facilitate that process.

3. REGULAR AGENDA

- 3.A The Tracy Homelessness Advisory Committee receive an informational update on efforts pertaining to the City of Tracy's Strategic Plan to End and Prevent Homelessness and a project update on the Temporary Emergency Housing Facility, CIP 71112.

Virginia Carney, Homeless Services Manager provided the staff report and responded to questions.

Victor Lopez, project Manager with Roebbelen provided the project update and responded to questions.

Committee questions.

Brian MacDonald, Director of Parks, Rec and Community Services responded to questions.

Yara Grimaldo, client at the Tracy Shelter shared her story of substance abuse and the challenges she suffered during that time. She was referred to the shelter by Gavin with TCCC in November and suffered a health scare in January. She expressed if not for the support from the shelter she may have not survived living unhoused. She is now an active participant in the programs provided at the shelter like Keeping It Clean and thanked The Salvation Army staff, TCCC, City staff and City Council for continuing to provide her with support.

Torey Davis, client at the Tracy Shelter expressed his gratitude for the shelter and staff and how fortunate he is to have a place where he can focus his time to achieving his goals. Thanked committee, City staff and the residents of Tracy for this opportunity and encouraged those needing help to take advantage of the program.

Community member expressed his gratitude to the City of Tracy, The Salvation Army and Familiar Faces.

Grace Gutierrez, client at the Tracy Shelter, shared that she was uneasy when she arrived at the shelter because she wasn't sure what to expect. She expressed that The Salvation Army provided her with the support she needed and she now volunteers through the Keeping It Clean program, at Tracy Interfaith and was kettle ringer during the holidays. She is also thankful for staff connecting her with a sober living facility where she can get help and reunify with her son who is in foster care. She expressed that The Salvation Army has become her family and appreciates all that they have done for her.

Paul Healey shared that he is the success story of the shelter. He is no longer at the shelter and was able to obtain permanent housing through the help of his case manager at the shelter. He expressed the shelter provides amazing support and stability so you can focus on getting your life together. He thanked

the City of Tracy and Tracy PD who put together familiar faces and both Hector and Ayesha were pivotal in getting him off the street and into the shelter. He expressed he tells people to go to the shelter because you cannot move your life forward living in the streets and that you need a stable environment to move forward.

Committee comments followed.

ACTION: No Motion was made, informative update.

- 3.B The Tracy Homelessness Advisory Committee recommend that City Council adopt a resolution: 1) Authorizing the acceptance of a grant award from San Joaquin County Homelessness Housing Assistance and Prevention Round 4 allocation in the amount of \$436,246 to partially fund operations costs of the Tracy Interim Shelter Site (Temporary Emergency Housing Facility, CIP 71112); and 2) Appropriating \$436,246 of the total grant funds to the Parks, Recreation and Community Services Department, Homeless Services Division.

Virginia Carney, Homeless Services Manager provided the staff report and responded to questions.

Committee comments and questions followed.

No public comment.

ACTION: Motion was made by Vice Chairperson Abercrombie and seconded by Chairperson Bedolla to recommend that the City Council adopt a resolution authorizing the acceptance of a grant award from San Joaquin County Homelessness Housing Assistance and Prevention Round 4 allocation in the amount of \$436,246 to partially fund operations costs of the Tracy Interim Shelter Site (Temporary Emergency Housing Facility, CIP 71112); and 2) Appropriating \$436,246 of the total grant funds to the Parks, Recreation and Community Services Department, Homeless Services Division.

4. STAFF ITEMS- Brian MacDonald, Director of Parks, Rec and Community Services shared that a website engagement survey will be going out and encourage the community to participate by completing the survey.
5. COMMITTEE ITEMS- Vice Chairperson Abercrombie asked if staff felt that there was still a need for monthly THAC meetings and if they should return to quarterly.

Brian MacDonald, Director of Parks, Rec and Community Services responded to committee questions.

Chairperson Bedolla expressed he would be following up on the things he heard today from the public and staff. He believes in this team and all that is being done to provide support to the unhoused community and that at this time meetings will continue to be monthly and encourages the community to stay involved and to seek assistance if needed through the community services offered.

6. ADJOURNMENT- Time 8:00 PM

ACTION: Motion was made by Vice Chairperson Abercrombie and seconded by Chairperson Bedolla to adjourn. Motion found all in favor; passed and so ordered.

The above agenda was posted at the Tracy City Hall on April 14, 2025. The above are action minutes.

Chairperson

ATTEST:

Administration Technician

AGENDA ITEM 3.A

RECOMMENDATION

Staff recommends that the Tracy Homelessness Advisory Committee recommends that the City Council adopt a resolution (1) making a determination that compliance with standard procurement process is not in the best interest of the City and dispense the bidding requirements for the purchase of premanufactured custom container units for restrooms and showers from Linked Equipment, LLC. an Arizona Limited Liability Corporation, Tracy Municipal Code Section 2.20.180(4); and (2) approving the Purchase Agreement for Goods, Commodities, and Ancillary Services with Linked Equipment, LLC., for four (4) premanufactured customized containers to provide permanent restrooms and showers to be installed as part of the Phase II 2024 Site Improvements at the Temporary Emergency Housing Facility Project, CIP 71112, at 370 W. Arbor Avenue, for a Not-To-Exceed amount of \$448,074.

EXECUTIVE SUMMARY

This agenda item requests that City Council make a determination that compliance with standard procurement process is not in the best interest of the City and dispense with standard procurement process for purchase of four (4) premanufactured custom containers for use as permanent restroom and shower facilities at the Temporary Emergency Housing Facility and approve the Purchase Agreement for Goods, Commodities, and Ancillary Services with Linked Equipment, LLC. (**Vendor**) an Arizona Limited Liability Corporation (**Agreement**), for a Not-To-Exceed amount of \$448,074, for the premanufactured customized containers needed to provide additional restroom and additional shower units, as required by the California Building Code, for the Temporary Emergency Housing Facility.

BACKGROUND AND LEGISLATIVE HISTORY

On September 1, 2020, the City Council authorized the creation of a CIP for the Temporary Emergency Housing Facility (TEHF) Project on Arbor Avenue, CIP 71112, to create a safe and dignified facility for residents experiencing homelessness.

During design development for the TEHF Project it was determined that the use of prefabricated structures would best meet the City's goals and occupancy schedule. City staff contacted multiple vendors who could provide modified single trip shipping containers for use as restroom, showers, laundry, and storage units. Linked Equipment, Inc. was the only vendor that was willing to meet the City's custom requirements for the accessible and private interior layouts and utilize the materials the City requested to outfit the interior of the facilities, and also provide the necessary design, review & approval process to satisfy the requirements of the California Department of Housing and Community Development (HCD) review and approval process.

The City and Vendor entered into a Purchase Agreement for Goods, Commodities, and Ancillary Services, approved by the City Council on July 5, 2022, pursuant to Resolution 2022-099. The scope of the Agreement included the design, manufacture, and on-site ancillary services for ten (10) customized containers to provide permanent restrooms, showers, laundry, mechanical room, and storage units for the Temporary Emergency Housing Facility.

On July 5, 2023, the City Council authorized the purchase of eight (8) custom container dormitories from the vendor, pursuant to Resolution 2023-140, to be installed as part of the Phase IV interim facility improvements. Phase IV opened in December of 2023, providing housing for an additional 38 individuals. In addition to the units approved for purchase in 2022, four additional restroom and shower units are required by the building code to serve the increased number of site residents in housing provided by the Phase IV custom containers.

The design of the additional four units has already been reviewed and approved by HCD, therefore no additional engineering services are required. On May 16, 2024, Linked Equipment provided proposals for the four additional units as well as panels to enclose the maintenance area behind the units.

Foundation preparation and utility connections for the additional restrooms and showers is included in the Phase II Site Improvement construction work. All information for the additional units, including notations regarding the City's purchase of said materials, have been coordinated into the plans and specifications for the those bid documents, the award of which was approved on July 2, 2024, pursuant to Resolution 2024-116.

FISCAL IMPACT

The Temporary Emergency Homeless Shelter, CIP 71112, is an approved Capital Improvement Project with a total budget of \$22,255,348. There are sufficient funds available in the project for the proposed Amendment with the Vendor, with funding as follows:

<u>Funding Source</u>	<u>Budget</u>	<u>Expenses</u>	<u>Balance</u>
American Rescue Plan Act - City of Tracy	\$4,500,000	\$4,451,614	\$48,386
Housing Asset Funds	\$690,000	\$448,989	\$241,011
HHAP	\$329,240	\$329,240	\$0
HHAP R2	\$414,042	\$414,042	\$0
CDBG (4 Grants)	\$836,294	\$836,294	\$0
CDBG FY 2022	\$162,094	\$0	\$162,094
CDBG FY 2024	\$349,167	\$349,167	\$0
San Joaquin County (ARPA) R1	\$3,661,113	\$3,661,113	\$0
San Joaquin County (ARPA) R2	\$7,167,798	\$7,167,798	\$0
Federal (Harder) Grant	\$3,000,000	\$3,000,000	\$0
Redevelopment	\$1,145,600	\$1,145,600	\$0
Current Budget	\$22,255,348	\$21,803,857	\$451,491

CEQA/NEPA DETERMINATION

Government Code section 8698.4 exempts the application of the California Environmental Quality Act (CEQA) to various actions taken by public agencies to implement the construction of a homeless shelter in response to a declared shelter crisis. In addition, the interim solutions taken thus far are in furtherance of and related to the permanent solution that will be implemented, referred to as the Temporary Emergency Housing Facility on Arbor Avenue (CIP 71112). A Notice of Exemption was issued on October 16, 2020, for the Temporary Emergency Housing site at 500 Arbor Avenue in accordance with Government Code sections 65660-65662

for Low Barrier navigation Centers and Section 15269(c) of the CEQA Guidelines (14 Cal. Code Regs. 15269(c) for (Emergency Projects). No environmental impacts beyond those already analyzed for the CIP exist; accordingly, no further CEQA analysis is needed.

San Joaquin County, as the responsible entity under the National Environmental Protection Act (NEPA) for the federal grants related to this Project, conducted an Environmental Assessment in 2023 and released a Finding of No Significant Impact on January 18, 2024, in compliance with NEPA and applicable federal regulations.

STRATEGIC PLAN

This agenda item is consistent with the City Council's adopted 2023-2025 Strategic Priorities: Quality of Life Strategy Plan, Goal No. 5, Continue to implement the Council-Adopted Homelessness Strategic Plan.

ACTION REQUESTED OF THE CITY COUNCIL

Staff recommends that the Tracy Homelessness Advisory Committee recommends that the City Council adopt a resolution (1) making a determination that compliance with standard procurement process is not in the best interest of the City and dispense the bidding requirements for the purchase of premanufactured custom container units for restrooms and showers from Linked Equipment, LLC. an Arizona Limited Liability Corporation, Tracy Municipal Code Section 2.20.180(4); and (2) approving the Purchase Agreement for Goods, Commodities, and Ancillary Services with Linked Equipment, LLC., for four (4) premanufactured customized containers to provide permanent restrooms and showers to be installed as part of the Phase II 2024 Site Improvements at the Temporary Emergency Housing Facility Project, CIP 71112, at 370 W. Arbor Avenue, for a Not-To-Exceed amount of \$448,074.

Prepared by: Flor Robles, Administrative Technician

Reviewed by: Sara Castro, Director of Finance
Brian MacDonald, Director of Parks, Recreation and Community Services
Arturo M. Sanchez, Assistant City Manager
Matthew Summers, Interim Assistant City Attorney

Approved by: Midori Lichtwardt, City Manager

Attachments:

Attachment A-Purchase Agreement with Linked Equipment, LLC.
Attachment B-Resolution 2022-099

**CITY OF TRACY
PURCHASE AGREEMENT FOR GOODS COMMODITIES,
AND ANCILLARY SERVICES WITH LINKED EQUIPMENT, LLC.
PHOENIX, ARIZONA**

This Purchase Agreement for Goods, Commodities, and Ancillary Services (**Agreement**) is entered into between the City of Tracy, a municipal corporation (**City**), and Linked Equipment, LLC, an Arizona Limited Liability Corporation (LLC) (**Vendor**). City and Vendor are sometimes referred to individually as “**Party**” and collectively as “**Parties**.”

Recitals

- A.** City is actively pursuing the construction of the Temporary Emergency Housing Facility (**Project**), which consists of four construction phases, to provide housing on a nightly basis to unhoused residents in the City, along with ancillary services, on a City-owned property of 4.8 acres located at 370 W. Arbor Avenue (**Project Site**).
- B.** The Vendor was determined during the initial project design phase to be the only vendor that both complied with the California Department of Housing and Community Development (HCD) requirements and was willing to meet the City’s specifications for construction of custom premanufactured container units for restroom, shower, laundry, and mechanical structures for Phase II of the Project. -
- C.** Phase IV of the Temporary Emergency Housing Facility Project consists of 38 beds provided through custom containers and was completed in December of 2023. Restrooms and showers for Phase IV are currently being provided by temporary restrooms and showers. Four additional custom premanufactured container units are required to provide permanent restrooms and shower facilities for the Phase IV occupants.
- D.** Installation of the four additional permanent restrooms and showers, to serve the Phase IV occupants, have been included in the Phase II Site Improvement construction contract.

This agreement is executed pursuant to Section 2.20.180 of Municipal Code as compliance with the formal procedures is not in the best interests of the City because Vendor has an agreement with City to procure similar restrooms and shower facilities for Phase 2 and at was the only Vendor at that time who would comply with the California Department of Housing and Community Development procedures and was willing to meet the City’s specifications for construction of these units. **Now, therefore, the Parties mutually agree as follows:**

1. CITY PURCHASE.

- 1.1. GOODS.** The City agrees to purchase, and the Vendor agrees to sell, the Goods as more specifically outlined and described in the attached **Exhibit A** and incorporated by reference. The Goods shall comply with all of the standards and specifications outlined in **Exhibit A**.

2. **NO SUBSTITUTIONS; AUTHORIZED REPRESENTATIVE.** There shall be no substitution of Goods without the prior written authorization of the City. All Goods shall be manufactured by or under the direct supervision of, the Vendor's Authorized Representative: Mark Pike, President. Vendor shall not replace its Authorized Representative without City's prior written consent. A failure to obtain the City's prior written consent for any change or replacement in personnel may result in the termination of this Agreement.
3. **DELIVERY DATES.** The Goods must be shipped and must arrive at the destination of 370 W Arbor Avenue, Tracy CA, 95304 and Ancillary Services must be provided by the Vendor as outlined in the detailed Delivery Timeline, specified in **Exhibit B.** **Exhibit B** specifies the outside delivery date of all Goods, as required by the City. However, Vendor seek additional time to verify the specific delivery dates of each batch of Goods, and the City agrees that the Vendor can provide that written confirmation prior to payment by the City of any Invoice. Vendor and City shall agree upon such specific delivery dates and documents as **Exhibit B** to this Agreement.
 - 3.1 In the event the City elects not to terminate this Agreement if Seller fails to comply with the Delivery Date, Seller agrees to immediately pay City liquidated damages in accordance with the terms and conditions set forth in in **Exhibit B** hereto, if any ("Delay Costs"). Seller acknowledges the Late Costs are a reasonable and accurate measure of actual damages and costs incurred by the City as a result of Seller's delays in complying with the Delivery Date and agrees to pay the Delay Costs as further consideration for the mutual covenants herein.
4. **PURCHASE PRICE.** City shall pay Vendor on a fixed fee basis, at the fee amounts outlined in **Exhibit C**, attached and incorporated by reference.
 - 4.1 **NOT TO EXCEED AMOUNT.** Vendor's total contract amount, for the aggregate of the Goods under this Agreement shall not exceed \$ 448,074.00 No work shall be performed by Vendor in excess of the total contract amount provided in this section without the City's prior written approval.
 - 4.2 **INVOICES.** Vendor shall submit invoices per the outlined schedule in Purchase of Goods in Exhibit C. Vendor's failure to submit invoices in accordance with these requirements may result in the City rejecting said invoices and thereby delaying payment to Vendor.
 - 4.3 **PAYMENT.** Within 30 days after the City's receipt of the invoice, City shall make payment to the Vendor based upon the Goods and Ancillary Services described on the invoice and approved by the City.

City shall not have an obligation to remit any payments for damaged Goods, Good that are not accepted in writing or delivery of Goods beyond the deadlines agreed upon by the parties in Exhibit B.
5. **CANCELLATION AND TERMINATION.** The City reserves the right to terminate or cancel any portion of this Purchase Agreement at any time prior to the delivery of Goods and Ancillary Services, with or without cause, by giving Vendor written notice, provided that if

the termination is without cause, then Vendor shall be entitled to payment for the value of the percentage of completion as to any units already under production to the extent such amount of the amount in excess of any down payment amounts previously paid by the City. There shall be no period of grace after giving the notice of cancellation or termination. Cancellation or termination shall become effective immediately upon the giving of notice by personal delivery or mail.

6. **BREACH**. In the event of a breach of the Purchase Agreement by Vendor, City may terminate the Purchase Agreement immediately without notice, may reduce payment to the Vendor in the amount necessary to offset City's resulting damages, may procure substitute Goods at Vendor's expense, and/or may pursue any other available recourse against Vendor. Vendor may not terminate this Purchase Agreement except for cause.
7. **DELIVERY RISK OF LOSS**. All orders will be Free on Board (**FOB**) origin if not otherwise specified. Risk of loss or damage to the Goods shall remain with the Vendor until the Goods have been delivered to and accepted by the City. All Goods will be received by the City subject to its right of inspection, rejection, and revocation of acceptance under the Uniform Commercial Code. The City will be allowed a reasonable period of time to inspect the Goods and to notify Vendor of any nonconformance with the terms and conditions of the specifications. The City may reject any Goods that do not conform to the terms and conditions outlined under **Exhibit A**. Any Goods rejected may be returned to the Vendor at the Vendor's risk and expense.
8. **INDEMNIFICATION**. Vendor shall, to the fullest extent permitted by law, indemnify, defend (with independent counsel approved by the City), and hold harmless the City from and against any claims arising out of Vendor's performance or failure to comply with obligations under this Agreement, except to the extent caused by the sole, active negligence, or willful misconduct of the City.
 - 8.1 **DEFINITION**. For the purposes of this section, "City" means the City, its officials, officers, agents, employees, and volunteers; "Vendor" means the Vendor, its employees, and agents; "Claims" includes claims, demands, actions, losses, damages, injuries, and liability, direct or indirect (including any and all related costs and expenses) and any allegations of these; and "Arising out of" includes "pertaining to" and "relating to".
 - 8.2 **PROVISION SURVIVAL**. The provisions of this Section 7 survive the completion of the services or the termination of this Agreement and are not limited by the provisions of Section 7 relating to insurance.
9. **INSURANCE**. Vendor shall, throughout the duration of this Agreement, maintain insurance to cover Vendor, its agents, representatives, and employees in connection with the performance of services under this Agreement at the minimum levels set forth herein.
 - 9.1 **COMMERCIAL GENERAL LIABILITY**. Commercial General Liability (with coverage at least as broad as ISO form CG 00 01 01 96) "per occurrence" coverage shall be maintained in an amount not less than \$4,000,000 general aggregate and \$2,000,000 per occurrence for general liability, bodily injury, personal injury, and property damage.

- 9.2 AUTOMOBILE LIABILITY.** (with coverage at least as broad as ISO form CA 00 01 07 97, for “any auto”) “claims made” coverage shall be maintained in an amount not less than \$1,000,000 per accident for bodily injury and property damage.
- 9.3 WORKERS’ COMPENSATION.** coverage shall be maintained as required by the State of California.
- 9.4 ENDORSEMENTS.** Vendor shall obtain endorsements to the automobile and commercial general liability insurance policies with the following provisions:
- 9.4.1** The City (including its elected officials, officers, employees, agents, and volunteers) shall be named as an additional “insured.”
- 9.4.2** For any claims related to this Agreement, Vendor’s coverage shall be primary insurance with respect to the City. Any insurance maintained by the City shall be excess of the Vendor’s insurance and shall not contribute with it.
- 9.5 NOTICE OF CANCELLATION.** Vendor shall notify the City if the policy is canceled before the expiration date. For the purpose of this notice requirement, any material change in the policy prior to the expiration shall be considered a cancellation. Vendor shall immediately obtain a replacement policy.
- 9.6 INSURANCE CERTIFICATE.** Vendor shall provide evidence of compliance with the insurance requirements listed above by providing a certificate of insurance and endorsements, in a form satisfactory to the City, before the City signs this Agreement.
- 9.7 SUBSTITUTE CERTIFICATES.** Vendor shall provide a substitute certificate of insurance no later than 30 days prior to the policy expiration date of any insurance policy required by this Agreement.
- 9.8 VENDOR’S OBLIGATION.** Maintenance of insurance by the Vendor as specified in this Agreement shall in no way be interpreted as relieving the Vendor of any responsibility whatsoever (including indemnity obligations under this Agreement), and the Vendor may carry, at its own expense, such additional insurance as it deems necessary. Failure to provide or maintain any insurance policies or endorsements required herein may result in the City terminating this Agreement.
- 10. PACKING AND SHIPPING.** Deliveries must be made as specified, without charge, for boxing, crating, or storage unless otherwise specified. Goods must be suitably packed to secure the lowest transportation costs and, in accordance with the requirements of common carriers, in a manner to assure against damage from weather or transportation. The City’s order numbers and symbols must be plainly marked on all invoices, packages, and shipping orders. Packing lists specifying the quantity, description, and Purchase Agreement Number must accompany each box or packing shipment. The City’s count or weight will be final and conclusive on shipments not accompanied by packing lists.

Shipments for two or more destinations when so directed by the City will be shipped in separate boxes or containers for each destination, at no charge.

11. **TAXES.** The Vendor must separately state on all invoices any taxes imposed by the local, state, or federal state government applicable to furnishing of Goods; provided, however, where a tax exemption is available, the tax must be subtracted from the total price and identified. Unless otherwise outlined in the Purchase Agreement, the Purchase Price will not be considered to include California state and city sales or use tax.
12. **WARRANTY.** The Vendor warrants that all Goods will conform to applicable specifications, drawings, descriptions, and samples, and will be merchantable, of good workmanship in material, and free from defect. Unless manufactured according to detailed design furnished by the City, the Vendor assumes design responsibility and warrants the Goods to be free from design defect and suitable for the purposes intended by the City, and that such Goods if installed by the Vendor shall conform to applicable specifications.
 - 12.1 The Vendor's warranties, together with its service guarantees, must run to the City and its customers or users of the Goods and must not be deemed exclusive. The City's inspection, approval, acceptance, use of, and payment for all or any part of the Goods must in no way affect its warranty rights whether or not a breach of warranty had become evident in time.
13. **DUTY TO DEFEND.** Vendor agrees, (1) at its cost and expense, to promptly defend the City and the City's employees, officers, managers, agents, and council members (collectively the **Parties to be defended**) from and against any and all claims, allegations, lawsuits or other legal proceedings which arise out of, or are related to, or are in any manner connected with: (i) the Goods provided pursuant this Purchase Agreement; (ii) allegations that the Goods are defective in manufacture or design; (iii) any patent or other intellectual property right related to the Goods and (iv) the work, activities, operations, or duties of Vendor, or of anyone employed by or working under the Vendor, or (2) any breach of this Agreement by Vendor.
 - 13.1 This duty to defend shall apply whether or not such claims, allegations, lawsuits, or proceedings have merit or are meritless, or which involve claims or allegations that any of the Parties to be defended were actively, passively, or concurrently negligent, or which otherwise assert that the parties to be defended are responsible, in whole or in part, for any loss, damage or injury. Vendor agrees to provide this defense immediately upon written notice from the City, and with well-qualified, adequately insured, and experienced legal counsel acceptable to the City.
14. **REBATES, KICKBACKS, OR OTHER UNLAWFUL CONSIDERATIONS.** Vendor warrants that this Agreement was not obtained or secured through rebates, kickbacks, or other unlawful consideration either promised or paid to any City official or employee. For breach of this warranty, City shall have the right, in its sole discretion, to terminate this Agreement without liability; to pay only for the value of the work performed, or to deduct from the contract price; or otherwise recover the full amount of such rebate, kickback, or other unlawful consideration.
15. **NOTICES.** All notices, demands, or other communications that this Agreement contemplates or authorizes shall be in writing and shall be personally delivered or mailed

to the other party at the addresses listed below. Communications shall be deemed to have been given and received on the first to occur of: (1) actual receipt at the address designated below, or (2) three working days after the deposit in the United States Mail of registered or certified mail, sent to the address designated below.

To City:
Brian MacDonald
Director of Parks & Recreation
City of Tracy,
333 Civic Center Plaza
Tracy, CA 95376

To Vendor:
Mark Pike
President
Linked Equipment, LLC.
3454 East Illini
Phoenix, AZ 85040

With a copy to:
City Attorney
333 Civic Center Plaza
Tracy, CA 95376

16. MISCELLANEOUS

- 16.1 STANDARD OF CARE.** Unless otherwise specified in this Agreement, the standard of care applicable to Vendor's services will be the degree of skill and diligence ordinarily used by reputable professionals performing in the same or similar time and locality, and under the same or similar circumstances.
- 16.2 AMENDMENTS.** This Agreement may not be modified orally or in any manner other than by an agreement in writing signed by both Parties.
- 16.3 WAIVER.** Waiver of a breach or default under this Agreement shall not constitute a continuing waiver or a waiver of a subsequent breach of the same or any other provision of this Agreement.
- 16.4 ASSIGNMENT AND DELEGATION.** Vendor may not assign, transfer, or delegate this Agreement or any portion of it without the City's written consent. Any attempt to do so will be void. City's consent to one assignment shall not be deemed to be consent to any subsequent assignment.
- 16.5 JURISDICTION AND VENUE.** The interpretation, validity, and enforcement of the Agreement shall be governed by and construed under the laws of the State of California. Any suit, claim, or legal proceeding of any kind related to this Agreement shall be filed and heard in a court of competent jurisdiction in the County of San Joaquin.
- 16.6 COMPLIANCE WITH THE LAW.** Vendor shall comply with all applicable local, state, and federal laws, whether or not those laws are expressly stated in this Agreement.
- 16.6.1 HAZARDOUS MATERIAL.** Vendor is responsible for all costs of clean up and/or removal of hazardous and toxic substances spilled as a result of performing their services.
- 16.6.2 NON-DISCRIMINATION.** Vendor represents and warrants that it is an equal opportunity employer, and it shall not discriminate against any

third-party vendor, employee, or applicant for employment because of race, religion, color, national origin, handicap, ancestry, sex, or age. Vendor shall also comply with all applicable anti-discrimination federal and state laws, including but not limited to, the California Fair Employment and Housing Act (Gov. Code 12990 (a-f) et seq.).

- 16.7 BUSINESS ENTITY STATUS.** Vendor is responsible for filing all required documents and/or forms with the California Secretary of State and meeting all requirements of the Franchise Tax Board, to the extent such requirements apply to Vendor. By entering into this Agreement, Vendor represents that it is not a suspended corporation. If Vendor is a suspended corporation at the time, it enters this Agreement, City may take steps to have this Agreement declared voidable.
- 16.8 BUSINESS LICENSE.** Before the City signs this Agreement, Vendor shall obtain a City of Tracy Business License. Vendor shall maintain an active City of Tracy Business License during the term of this Agreement.
- 16.9 SUCCESSORS AND ASSIGNS.** This Agreement shall inure to the benefit of and be binding upon the Parties hereto and their respective successors and assigns.
- 16.10 CONSTRUCTION OF AGREEMENT.** Each Party hereto has had an equivalent opportunity to participate in the drafting of this Agreement and/or to consult with legal counsel. Therefore, the usual construction of an agreement against the drafting Party shall not apply hereto.
- 16.11 SEVERABILITY.** If a term of this Agreement is held invalid by a court of competent jurisdiction, the Agreement shall be construed as not containing that term, and the remainder of this Agreement shall remain in effect.
- 16.12 CONTROLLING PROVISIONS.** In the case of any conflict between the terms of this Agreement and the Exhibits hereto, and Vendor's proposal (if any), the Agreement shall control. In the case of any conflict between the Exhibits hereto and the Vendor's proposal (if any), the Exhibits shall control.
- 16.13 ENTIRE AGREEMENT.** This Agreement and the attached Exhibits comprise the entire integrated understanding between the Parties concerning the services to be performed. This Agreement supersedes all prior negotiations, representations, or agreements. All exhibits attached hereto are incorporated by reference herein.

- 17. SIGNATURES.** The individuals executing this Agreement on behalf of Vendor represent and warrant that they have the right, power, legal capacity, and authority to enter and execute this Agreement on behalf of Vendor.

[SIGNATURES ON FOLLOWING PAGE]

The Parties agree to the full performance of the terms set forth here.

City of Tracy

By: Dan Arriola

Title: Mayor

Date: _____

Attest:

April Quintanilla, City Clerk

Approved as to form:

Matthew Summers
Interim City Attorney

Vendor

Linked Equipment, LLC. (An Arizona LLC)

Mark Pike

By: Mark Pike

Title: CEO / Managing Member

Date: 05-07-2025

Federal Employer Tax ID No. 45-5270792

Exhibits:

- A Description of Goods
- B Delivery Timeline
- C Purchase Price and Payment Terms

EXHIBIT A – DESCRIPTION OF GOODS

- A. The Vendor shall fabricate and deliver to the City a total of four (4) new steel shipping containers that meet the following specifications.
- 1) Two restroom containers will be twenty (20) feet long and nine and a half (9.5) feet high;
 - 2) Two shower containers will be forty (40) feet long and nine and a half (9.5) feet high;
 - 3) The shower and restroom containers will be manufactured per the State approved plans used for the restroom and shower structures per the City specifications, attached for reference;
 - 4) All containers shall meet the following additional design specifications of the City;
 - a. Each restroom structure will include one (1) restroom of a size and configuration that complies with the requirements set forth in the Americans with Disabilities Act (ADA) for accessible restroom and two standard restrooms. All restrooms must comply with the California Building Code.
 - b. Each shower structure will include three (3) shower rooms of a size and configuration that complies with the requirements set forth in the Americans with Disabilities Act (ADA) for accessible showers and two standard shower rooms. All restrooms must comply with the California Building Code.
 - c. Each container will include; R-19 closed cell spray foam insulation under the bottom of the unit, minimum R-19 equivalent insulation in all walls and ceiling, provided by R-6 rated wrap and R-13 rated bat insulation, automatic dusk to dusk dome lights mounted over exterior doors, one Daikin mini-split condenser unit, and exterior rated 125A electrical panel with main shut off, walls will be framed with 2x4 wood studs and finished with (drywall, plastic wall board) sheet flooring and epoxy paint shall be applied to the exterior of the containers in the two colors designated by the City.

Materials cut sheets are included as **Exhibit A-5**

- 5) All containers shall be constructed following the Linked Equipment Quality Assurance Manual detailing the manufacturing protocols required for approval by the California Department of Housing and Community Development (HCD), stamped approved by Radco, a California Department of Housing and Community Development approved third party design approval agency, attached as **Exhibit A-4**

The Vendor shall manufacture the structures as described in the attached quotes and descriptions, fabricating all required components, and providing all labor and materials, and shipping the completed the pre-manufactured structures to the City's project site to arrive at a time coordinated with the City and the City's general construction contractor. The Vendor shall also fabricate and provide one set of enclosure panels to secure the maintenance area between the various structures.

The descriptions of each pre-manufactured structure can be found on the attached exhibits:

Exhibit A-1 – Twenty Foot Restroom Structures (2)

Exhibit A-2 – Forty Foot Shower Structures (2)

Exhibit A-3 - Enclosure Panels.

Exhibit A-4 – Quality Assurance and Quality Control Manual

Exhibit A-5 – Material Cut Sheets

EXHIBIT B - Delivery Coordination and Schedule

The delivery of the four completed restroom and shower units, including all associated enclosure panels, shall be coordinated with the City and the City's general construction contractor following execution of the Agreement and before issuance of the formal Notice to Proceed.

The Notice to Proceed will be issued by the City and transmitted via email to the Vendor once the City, its general construction contractor, and the Vendor have coordinated and mutually agreed upon a delivery schedule, which shall be submitted in writing to the City and approved. Delivery is currently anticipated to occur in September 2025.

The delivery schedule shall reflect the projected timeline for completion of the custom container units and shall identify all key milestones in the manufacturing process. This includes, but is not limited to, the timing of material orders, expected delivery of critical path components, required inspections and approvals, pressure testing of all plumbing systems, and installation of all finish materials and fixtures.

The Vendor shall immediately notify the City of any delays in the shipment of, or receipt of any critical path items that may impact the delivery timeline.

Delay Costs for Late Delivery

If, for some reason, the Vendor fails to meet the agreed-upon delivery date. In that case, the Vendor shall immediately compensate the City in an amount equal to five percent (5%) of the total purchase price for every seven (7) calendar days the goods remain undelivered in full compliance with this Agreement, unless the City elects to terminate the Agreement. These delay costs are in addition to any other remedies available to the City and are intended as a reasonable estimate of the damages the City may incur as a result of such delay.

EXHIBIT C – PURCHASE PRICE AND PAYMENT SCHEDULE

Goods as described in Exhibit A: FOB 370 W. Arbor Avenue, Tracy, California

CUSTOM CONTAINER	QUANTITY	UNIT COST	TOTAL
Premanufactured Restroom Unit	2	\$ 63,750	\$ 149,000.00
2 Premanufactured Shower Unit	2	\$ 110,766	\$ 251,800.00
Enclosure Panels	1	\$ 2,660	\$ 6,540.00
10% Contingency			\$ 40,734.00

NOT-TO-EXCEED

TOTAL \$ 448,074.00

PAYMENT TERMS

After Vendor receipt of executed Agreement and Notice to Proceed, invoices shall be submitted on the following schedule:

Payment for Goods

1. 25% deposit for each unit when verification is provided by the Vendor to the City that container orders have been placed and container delivery dates are confirmed per the schedule coordinated with the City and the City's general construction contractor.
2. 25% progress payment for each unit upon City receipt of inspection report of mechanical and plumbing rough in, and approval by the 3rd party inspector, for the California Department of Housing and Community Development, of all framing, plumbing, mechanical and electrical rough in, prior to installation of finished walls and fixtures.
3. 25% progress payment for each unit upon City receipt of final inspection report and approval by the 3rd party inspector, for the California Department of Housing and Community Development, and shipment of completed custom container units to the City project site per the schedule coordinated with the City and the City's general construction contractor.
4. 25% final payment for each unit upon City inspection and formal written acceptance of each completed custom container on the City project site, and upon receipt of final As Built drawings for the completed units.

[illegible]

[illegible]

4/28/25, 2:21 PM

Proposal Print

Released by Rachit Samarth on Apr 25, 2025

Released



3454 East Illini Street • Phoenix, AZ 85040 • Phone: 602-314-6020

Jessica Tyler
Cell: +16083456370

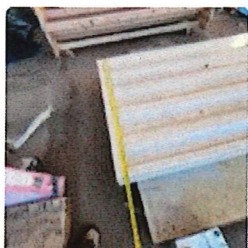
Job Address:
City of Tracy, 370 W Arbor Ave
Tracy, CA

Print Date: 4-28-2025

Proposal for Panels for new buildings

Dear: Jessica and Brian,

The following is a list of materials and labor utilized for your side panels:



IMG_7807.jpg



IMG_7808.jpg



Panel Drawing.pdf

Items	Description	Qty/Unit
Miscellaneous	Unforeseen expenses	1
Labor	general construction, plumbing, electrical, painting, welding	40
Metal	8' tall X 4'6" wide panel built using 2" tubing and container panels to match the older set of 6 buildings	2
Exterior Paint	Paint to match the exterior paint of container buildings	5
COSP - MATERIALS - Welding	Welding Material	1

Total Price: \$6,540.00

The price with delivery for both units is: \$6540.00

We can have the building built within 6 to 8 weeks of deposit depending on the state approval

Thank you

Mark Pike

Linked Equipment LLC

3454 East Illini Street

Phoenix, AZ 85040

480-560-5221 cell

602-314-6020 ex 413 office

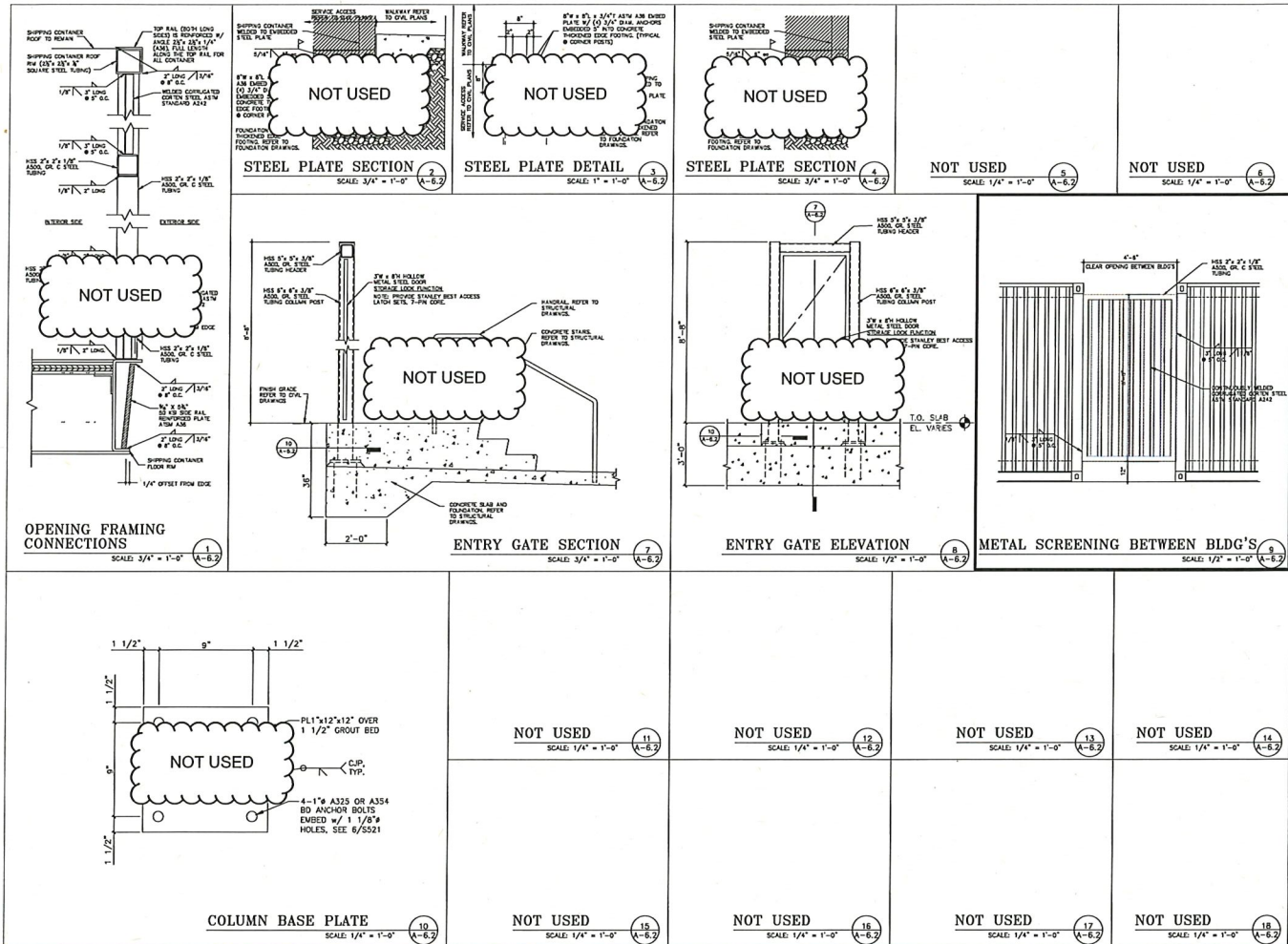


I confirm that my action here represents my electronic signature and is binding.

Signature:

Date:

Print Name:



PROFESSIONAL SEAL

Dr. Al Gonzalez P.E.
DOTec Engineering
424 Jefferson Street
St. Charles, MO 63301
Ph 636-724-9872
Fax 636-724-9032
WWW.DOTTECHENGINEERING.COM
ALG@DOTTECHENGINEERING.COM

LINKED EQUIPMENT
CITY OF TRACY, CA
TEMPORARY EMERGENCY HOUSING
370 W. ARBOR AVE. TRACT, CA 95304

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 12/19/2022
CJO FILE: 223058
DRAWN BY: JF
CHECKED BY: JF
DESIGNED BY: JF

SHEET TITLE:
STRUCTURAL DETAILS
SHEET NUMBER:
A-6.2



3454 East Illini Street • Phoenix, AZ 85040 • Phone: 602-314-6020

Jessica Tyler
Cell: +16083456370

Job Address:
City of Tracy, 370 W Arbor Ave
Tracy, CA

Proposal for New 40' Showers for City of Tracy

Print Date: 5-7-2025

Dear: Jessica and Brian

Thank you for contacting us about the possibility of custom designing and building your two 40' shower units to suit your needs. Our process of custom transforming new one-trip shipping containers into useful, efficient and sustainable structures is both environmentally responsible and practical. Shipping containers are extremely strong and durable with an indefinite lifespan. Our structures are designed and engineered to meet city and state building codes as well as conform to California building standards. In addition, the building has equipment with three ADA showers and two 32" x 32" standard showers. The HVAC system in these buildings is the Daikin split system. The unit is highly efficient and has an estimated 30-year lifespan. (48,000 BTU with five 9000 BTU blowers)

The following is a list of materials and labor utilized for your 40' shower unit:

Attachments



Items	Description	Qty/Unit
Wall Panels (FRP)	FRP panels	100
Light Switches	light switch in each room with occupancy sensor	10
CONTAINER - 40' - NEW (ONE TRIP)	new one trip 40' HC container	2
32 x 32 Shower Stalls	two fiberglass shower stalls, with hooks, curtain, drain and valve in each building	4
Miscellaneous	unforeseen	1
COSP - MATERIALS - Welding	Gas, copper, grinding wheels, sanding paper	2
Transportation	Longbeach to Phoenix	2
Dome Lights	Exterior Lights (1 per door) with dawn-dusk sensor	10
Bench	Salsbury Industries 18 in. H x 36 in. W x 9 1/2 in. D Wood Locker Bench in Light Brown Wood	10
Flooring - Sub Floor	six inch sub floor with 3/4 plywood	2
Wall Panel Moulding (FRP)	molding match the white FRP	2
Labor	general construction, electrical, plumbing, painting welding	500
Exterior Paint	exterior paint color choice by customer. Match previous build	20
Customer Container Delivery	Phoenix to Tracy CA	2
Electric Panel	125 amp electrical panel with breakers, BX wire, fitting extra jay box for emergency pull stations. INCLUDING MAIN SHUT OFF SAME AS DORMS	2
Daikin Mini Split HVAC	48,000 BTU five 9000 BTU blowers	2
Exhaust Fans	small exhaust fans SAME AS PREVIOUS BUILT. THEY ARE CONTROLLED BY LIGHT SWITCH	10
Doors & Frames	Ten industrial metal doors with OCCUPANCY INDICATORS -ADA TO MATCH PREVIOUS UNITS	10
Plumbing Materials	pipe, pex, fittings	2
Vinyl flooring	industrial rubber flooring also four inches up the wall as base board to insure a easy cleaning.	2
Wood studs and tracking	wood stud's and tracking	2
Insulation	R-19 walls and floor, ceiling. R6 reflective vapor barrier that meets Title 24 requirements for walls and ceiling.	2
SheetRock	1/2 sheet rock install only no tape and texture green board around the shower	100
ADA Shower stall	six 60" ADA ROLL-IN SHOWER STALLS with benches inside	6
Floor Drains	Trench Shower Drain in front of each ADA shower	6
METAL - SQUARE - 2-IN	twelve sticks of two inch tubing to frame doors and exhaust fans	12
Emergency Exit Signs	Bug-Eye Emergency Lights w/ Battery Back-Up	10
4' LED Light	4' LED lights in ALL ROOMS	10
Emergency pull station	EDWARDS SIGNALING Horn and Strobe Kit: 5 13/16 in Overall Wd, 120V AC	10
Mirrors	Stainless Steel high-reflective surface with security screws FULL LENGTH IN SHOWERS	10
Floor Drains	ZURN Floor drains IN STANDARD SHOWERS	4
custom shelves	Shelves next to ADA showers Wire shelving to match prior build	6
Hooks	Robe Hook	10

Items	Description	Qty/Unit
Radco	Third Party Inspection, insignias	2
Exterior GFI	110V GFI OUTLET BY HVAC OUTSIDE	2
industrial Flooring	industrial rubber flooring also four inches up the wall as base board to insure a easy cleaning. IT IS FOR THE FLOORING FOR MECHANICAL UNIT AS PER THE CONVERSATION BETWEEN MARK AND BRIAN.	1
INSULATION - SPRAY FOAM - CLOSED CELL	2" Closed cell spray foam insulation that provides R14 value	2

Total Price: \$251,800.00

The price with delivery for both shower buildings is: \$251,800.00

We can have the building built within 10 to 12 weeks of deposit.

Thank you

Mark Pike

Linked Equipment LLC

3454 East Illini Street

Phoenix, AZ 85040

480-560-5221 cell

602-314-6020 ex 413 office





3454 East Illini Street • Phoenix, AZ 85040 • Phone: 602-314-6020

Jessica Tyler
Cell: +16083456370

Job Address:
City of Tracy, 370 W Arbor Ave
Tracy, CA

Proposal for New 20' Restroom for City of Tracy

Print Date: 5-7-2025

Dear: Jessica and Brian,

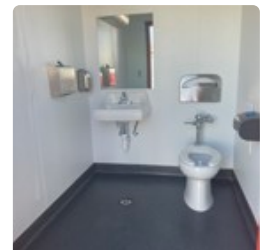
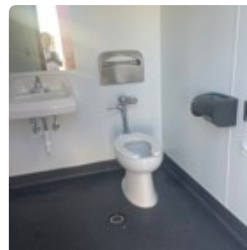
Thank you for contacting us about the possibility of custom designing and building your 20' unit to suit your needs. Our process of custom transforming new one-trip shipping containers into useful, efficient and sustainable structures is both environmentally responsible and practical. Shipping containers are extremely strong and durable with an indefinite lifespan. Our structures are designed and engineered to meet city and state building codes as well as conform to California building standards. In addition, the building is equipped with three restrooms. The HVAC system in these buildings is the Daikin mini split system, the unit is highly efficient and has an estimated 30-year lifespan. (24000 BTU)

The following is a list of materials and labor utilized for your 20' restroom unit:

Attachments



RADCO stamped ...



Items	Description	Qty/Unit
#Customer Container Delivery	Phoenix to Tracy CA	2
DRYWALL	1/2" sheetrock installed	54
Wall Panels (FRP)	FRP walls and ceiling	54
Plumbing Materials	pipes and fittings	2
Light Switches	switch in each room WITH OCCUPANCY SENSOR	6
Stud & Track	Wood studs	2
Exhaust fans & Vents	1 EXHAUST FAN PER TOILET ROOM. THEY ARE CONTROLLED BY LIGHT SWITCH	6
EXTERIOR - Doors	Steel commercial doors with occupancy deadbolt handles. TO MATCH PREVIOUS UNITS	6
Wall Panel Moulding (FRP)	molding in between each panel	2
COSP - MATERIALS - Welding	gas, pads, grinders, copper	2
Flooring - Sub Floor	six inch sub floor	2
Exterior Paint	Epoxy color of choice two tone	10
Sinks	wall mounted and backing in walls to reinforce sinks	6
Miscellaneous	Unforeseen expenses	1
CONTAINER - 20' - HIGH-CUBE - NEW	New one trip container HC	2
Transportation	Longbeach to Phoenix	2
Electric Panel	125 amp panel E SHUT-OFF SWITCH BREAKERS, BX WIRE, EXTRA J-BOX FOR EMERGENCY PULL STATIONS. INCLUDES MAIN SHUT OFF SAME AS DORMS	2
industrial Flooring	industrial rubber floor with five inches up the wall	2
Daikin Mini Split HVAC	24000 BTU split with three blowers 7000 BTU each plus set lines	2
LED Ceiling Light	four foot ceiling lights LED	6
Dome Lights	ONE LIGHT PER entrance door with dawn to dusk sensor	6
Labor	general construction, plumbing, electrical, painting, welding	450
Rolled Insulation	R-19 insulation walls, floor, and ceiling. R6 reflective vapor barrier that meets Title 24 requirements for walls and ceiling.	2
Floor mounted toilet w/ seat	Flush Valve Toilet: Zurn One(R), 1.28 Gallons per Flush, Elongated Bowl, 10 in Rough-In, Top Spud	6
GFI outlets	110 volt GFI by HVAC outside and 1 by each sink	8
Double roll toilet paper dispenser	double roll	6
ADA Metal Bars	three ADA bars around the toilet	6
Mirrors	Shatterproof Mirror above each sink Stainless Steel high-reflective surface with security screws above each sink to match prior build	6
Paper towel dispenser	Paper towel dispenser	6
Emergency Pull Cords	EDWARDS SIGNALING Horn and Strobe Kit: 5 13/16 in Overall Wd, 120V AC	6
emergency light	Bug-Eye Emergency Battery Back-Up	6
Floor Drains	ZURN Floor drains	6

Items	Description	Qty/Unit
seat cover dispenser	Seat cover dispensers for the lavatories	6
soap dispensers	Touchless soap dispenser	6
Third Party Review	Third Party inspections both rough in and final for both showers and restrooms	1
Hooks	Robe Hooks	6
METAL - SQUARE - 2-IN	2" square tubing to frame doors and exhaust fans	7
INSULATION - SPRAY FOAM - CLOSED CELL	2" Closed cell spray foam under the container to meet the R14 requirement shared	2

Total Price: \$149,000.00

The price with delivery for both units is: \$149,000.00

We can have the building built within 8 to 10 weeks of deposit

Thank you

Mark Pike

Linked Equipment LLC

3454 East Illini Street

Phoenix, AZ 85040

480-560-5221 cell

602-314-6020 ex 413 office



QUALITY ASSURANCE MANUAL

Linked Equipment LLC
3454 E Illini St
Phoenix, AZ, 85040
602-314-6020

www.linkedequipment.com

Originated On: 06/13/2023
Last Updated: 02/12/2024

Applicable to State of California Commercial Modular Program Quality Manual

<p>TCI-RADCO State of California Quality Manual Commercial Modular Program</p> <p> TWINING CONSULTING</p> <p>Accepted: 15-Mar-2024 Expiration: 15-Jun-2025 Scott A. Peterson ICC: 8075209 CA CM IM1523583</p>	<p>Title 25, Div 1, Chapter 3, Subchapter 2 Commercial Modulars and SPCMs, Article 1 Administration, Section 4024 - Plan Approval Expiration - Commercial Coaches: (b) System Plan Approvals. System plan approvals, on file with the department, shall expire 15 months from the date of department approval. System plans may be renewed prior to the expiration date by written application to the department."</p>
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QUALITY ASSURANCE SYSTEMS

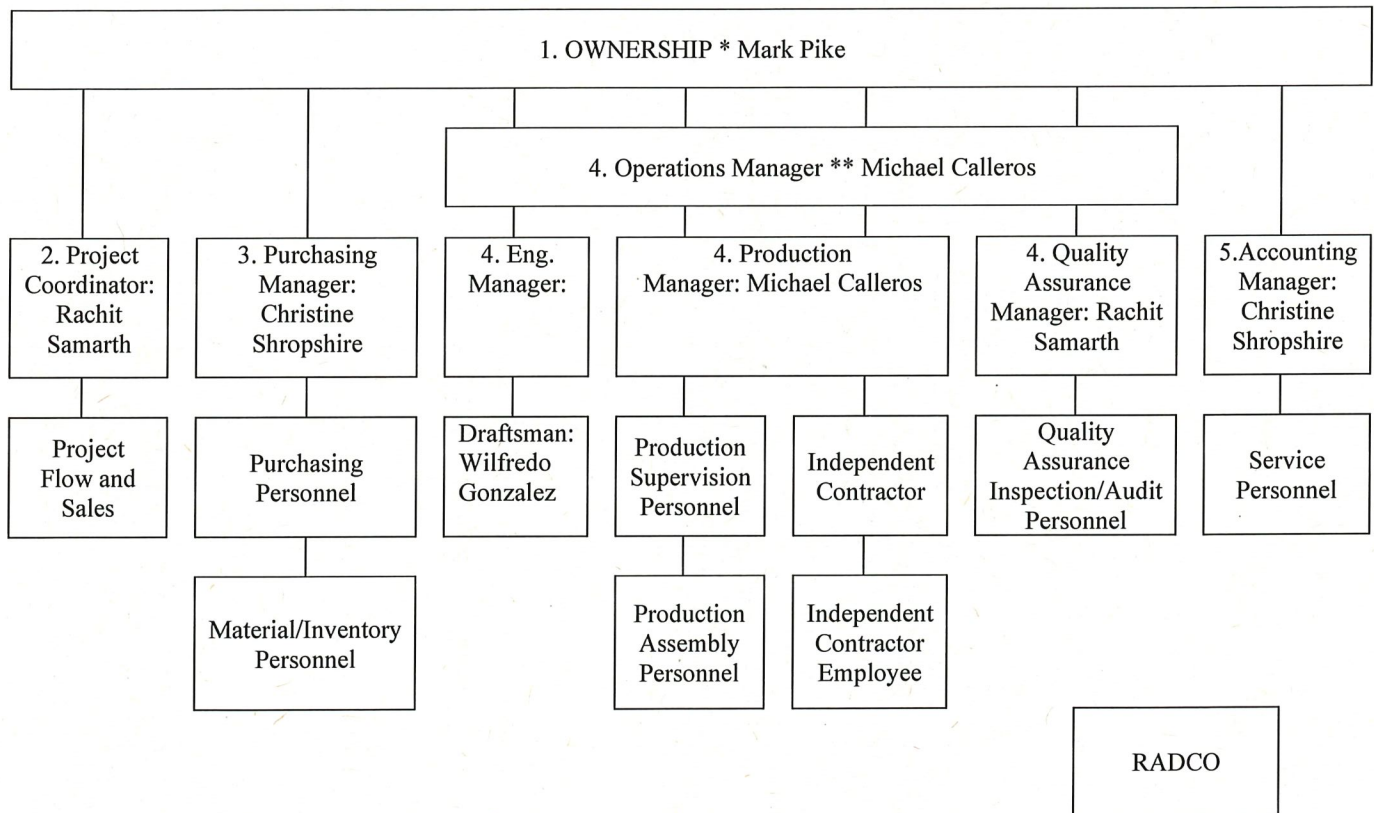
PURPOSE OF QUALITY ASSURANCE MANUAL

The primary purpose of this Quality Assurance Manual is to assure that the Manufacturer shall build their structures in accordance with the accepted designs and adopted codes, regulations, and rules of the authority having jurisdiction. The provisions of the Manufacturer's Quality Manual shall apply to the construction and/or alteration, as applicable, of every sub-assembly and assembly, and sub-system and system of every structure manufactured at this facility.

ORGANIZATIONAL CHART

The organizational chart depicts a general outline of responsible positions in the manufacturing facility. Note: all employees of the Manufacturer are involved in the Quality Assurance process. The titles are noted below, but the number of employees may vary.

The Manufacturer reserves the right to minimize the department size based on business conditions, business economy, structure order backlog, lack of acceptable applicants, or any other conditions that require a smaller department size, so long as the purpose of this Quality Assurance Manual is met.



* First persons responsible for the Quality Assurance program.

** Second persons responsible for the Quality Assurance program.

Employee applications and/or resumes are on file in the Human Resources Department of the Manufacturer.

1. OWNERSHIP *: The Ownership is primarily responsible for overseeing and ensuring the compliance and enforcement of the provisions of this manual.
2. SALES DEPARTMENT
 - a. The Sales Manager has the overall responsibility for the Sales department and the Sales personnel.
 - b. The Sales Personnel are responsible for gathering information from the end user to write an effective and correct sales order. To begin the quality assurance process correctly, these sales orders must be correct, including the final site location, before they are released to the engineering department for processing.
3. PURCHASING DEPARTMENT

- a. The Purchasing Manager has the overall responsibility for the Purchasing department, the Purchasing personnel, and the Material/Inventory personnel.
 - b. The Purchasing personnel are responsible for the procurement, receipt and storage of the materials required for construction.
 - c. The Material/Inventory personnel are responsible for accepting incoming material in accordance with established policy.
4. OPERATIONS **
- a. While the Ownership has the primary responsibility, the Operations Manager has the secondary responsibility for overseeing and ensuring the compliance and enforcement of the provisions of this manual.
 - b. The "Operations" are defined as those departments that are directly involved in the Quality Assurance process.
 1. Engineering generates the compliant drawings necessary to build the compliant structure.
 2. Production produces the compliant structure using the compliant drawings.
 3. Quality Assurance monitors the compliant construction using the compliant drawings.
 - c. The Operations Manager has oversight of the three departments that are vital to the Quality Assurance process:
 1. ENGINEERING DEPARTMENT
 - a. The Engineering Manager has the overall responsibility for the Engineering department and the Drafting personnel.
 - b. The Drafting Personnel are responsible for the drawing of the structure for submittal to the proper authorities for approval.
 2. PRODUCTION DEPARTMENT
 - a. The Production Manager has the overall responsibility for the Production department and the Production Supervision personnel.
 - b. The Production Supervision Personnel are accountable for the completion of the work in their respective departments in conformance with approved drawings and specifications, and for conducting enough inspections necessary to ensure conformance to the requirements. These persons are also responsible for providing resources, including training and supervision, for construction of structures in conformance with approved drawings and specifications.
 - c. The Production Assembly personnel are responsible for completing and inspecting their work in conformance with the approved drawings and specifications.
 3. QUALITY ASSURANCE DEPARTMENT
 - a. The Quality Assurance Manager has the overall responsibility for the Quality Assurance department and the Quality Assurance Inspection/Audit personnel. The Quality Assurance Manager is also responsible for ensuring that all regulated structures comply with the law, rules, and mandatory building codes and to ensure that only structures in compliance are labeled for the State and to ensure that all structures are constructed in accordance with the approved plans.
 - b. The Quality Assurance Inspector/Audit personnel are responsible for identifying where, within the manufacturing process, the assurances described in this manual are not adequate and that the manufacturing is not compliant with the requirements.
5. SERVICE DEPARTMENT
- a. The Service Manager has the overall responsibility for the Service department and the Service personnel.
 - b. The Service personnel are responsible for making repairs in the field as requested and/or required by the end user, Manufacturer, or State and/or Local Authorities having jurisdiction. The Service personnel is also asked to assist in identifying and providing feedback to any department listed above on how completed structures do not perform as intended in the field.

The Quality Assurance personnel continually audit the operation of the Quality Assurance program, both the paperwork involved and the actual product quality in each structure. It is the responsibility of the Quality Assurance personnel to take all necessary action to assure that a high degree of quality is maintained throughout the entire assembly line process, thus assuring a finished product of high quality and long life.

All Quality Assurance personnel shall have had a minimum of 2 years of production supervisory experience and/or high school education or equivalent to enable them to evaluate correct construction procedures. All Quality Assurance personnel are those which management feels are capable to positively judge, decipher and criticize the Manufacturer structures. Proper knowledge of the building codes and good construction practice knowledge is also required. Training activities include attendance of personnel at State-sponsored seminars held in various locations. In addition, attendance may be required at seminars by product suppliers on uses and installation of raw materials and products purchased by Manufacturer. Any credentials issued by a State as a Building Inspector, Building Official or licensed trades are encouraged.

RESUMES

Mark Pike, President and -Owner

Mark has been in business for himself since January of 1986 where he started a charter bus company (Southwest Charter Lines) in Phoenix Arizona, the company was successfully running up to September of 2009. At the peak of Marks career his business had gross revenues of \$20 million dollars.

During the period of 2010 to 2012 Mark had opened and operated multiple companies for different individuals that needed help before starting Linked Equipment.

Mark was married in November of 1995 were he and his wife Judy Robinson was happily married until they divorced in March of 2006, Mark continues to have a good relationship with his ex-wife.

Mark had his son Tanner Pike who was born May 31, 1998. Mark enjoys an amazing relationship with his son; his son is currently going to Scottsdale community college getting the general education before starting his major at University of Arizona.

Mark is currently engaged with Amy Bussema, Mark's favorite pastime anything that involves the ocean, travel, hiking, family and staying fit.

Michael Calleros, Operations and Production Manager

Michael Calleros brings twenty-five years of manufacturing and trade skill experience to Linked Equipment. Michael started his career working in the manufacturing and construction industry for Palm Harbor Homes in 1994. Early in his construction career, Michael learned the value of an assembly line in a factory setting. Michael was promoted to a supervisory position in the flooring installation department in 1996. Michael transitioned to the plumbing trade in 1999 and worked on multiple projects over the years. He worked for many years with RG Riggs Plumbing and SAK Electric and Plumbing.

Michael has been the operations and production manager for most of his time with Linked Equipment employment since 2016. Michael is married to Rebeca Ramirez.

Outside of work, Michael enjoys cooking, camping, sports and spending time with family and friends.

Rachit Samarth, Project Coordinator and Quality Assurance Manager

Rachit has over 5 years of experience in different client facing roles and he has over 3 years of supervisory experience managing people and projects. He started his career in hospitality in the year 2017 and performed in a way to be awarded the Best Employee of the Year 2018. Soon 2019 he pursued his MBA in Business Development from Switzerland and worked on 2 projects for Accor and Moncler in 2020.

After completion, he started as a Customer Success Project Manager in 2021 where his major role was to ensure the product meets the requirements and quality standards of the clients. He provided QA support to the production team to ensure the final product is free of any errors.

Soon in 2022 he started working as a freelance Project Manager assisting people to complete home building and renovation projects while making great relationships with the clients and managing stakeholders.

INSPECTION AND TESTING CRITERIA

All dimensional measurements of components or assembled structures shall be accurate to within $\pm 1/2"$. Components or assembled structures found not meeting these criteria shall be rejected until replaced, repaired, or corrected per approved designs, specifications and/or requirements.

MANDATORY TESTING

Each of the following tests must be completed for each applicable structure as required by the individual State. If the individual State does not require a specific test, that test may be optionally performed by the Manufacturer.

1. Dielectric strength test
2. Electrical continuity test
3. Electrical polarity test
4. Electrical operational test
5. Gas supply pressure test
6. Water supply pressure test
7. Drain, Waste and Vent (DWV) system test
8. Water tightness test

ADDITIONAL INSPECTIONS AND TESTS

1. Each inspection and test item listed on the traveler will be inspected for, unless:
 - a. The inspection or test item is not applicable to the structure.
 - b. The inspection or test item is permitted to be inspected or tested at a less than 100% frequency, and a separate log is maintained for the inspections that are made.
2. Testing equipment such as pressure gauges, dial indicators, torque wrenches, dielectric testers, etc. shall be re-calibrated as required by the test equipment manufacturer and be replaced or repaired when they have become damaged. Re-calibration and service dates shall be recorded.

TESTING DESCRIPTIONS, PROCEDURES AND EQUIPMENT

These tests may be performed in any station of the production process so long as the systems to be tested are complete and capable of being inspected in the event of major malfunctions in the system being tested. There is no definitive station that these tests must be performed in, so long as the system being tested is exposed and the tests are performed and completed successfully. Calibrated testing devices shall be checked yearly to assure that the testing device is operating correctly.

DIELECTRIC STRENGTH TEST

The purpose of this test is to assure that the dielectric integrity (insulation) of all branch circuits in a structure is intact using alternating current (AC) or direct current (DC), but not both AC and DC currents on the same structure at the same time.

1. Dielectric strength test equipment:
 - a. The listed AC or DC dielectric strength tester must be able to provide the required voltage with an automatic current limiting apparatus under fault conditions, along with audible and/or visual fault detection and visible voltmeter.
 - b. The calibration date for the tester shall not be older than the date of the actual dielectric strength test.
 - c. The test equipment must be free of visual physical damage. Equipment that has been visually damaged must be calibrated before use.
2. Dielectric strength test preparation:
 - a. All branch circuits and wiring must be completed.
 - b. All switches and branch circuit breakers shall be placed in the "ON" position.
 - c. Items to be removed from test:
 1. For a DC dielectric test
 - a. Water heater must be disconnected.
 - b. All cord connected and direct-wired appliances, smoke alarms, motion detectors, fluorescent fixtures, GFCI circuits and light bulbs may remain connected.
 2. For an AC dielectric test
 - a. Furnace, water heater and direct-wired appliance shall be disconnected.
 - b. Appliances may be disconnected by shutting off their internal appliance switches and/or breakers.
 3. All fluorescent fixtures (ballast will indicate ground), smoke detectors, 5-way switches, bath fans, range hood fans, and any other listed power vents. Connect the branch circuit wires together (black/black, white/white, ground/ground) to complete the circuit.

4. GFCI-protected circuits:
 - a. If using a GFCI breaker, disconnect the breaker at the panel box so the test can be run between the branch circuit wiring and the ground.
 - b. If using a GFCI receptacle, remove the receptacle and connect the branch circuit wires together (black to black, white to white, ground to ground) to complete the circuit.
3. Activate all personnel warning lights and audible alarms. Verbally advise personnel within the structure that the test is about to begin and that metal parts may become energized.
4. Dielectric strength test procedure:
 - a. Touch the testing leads of the testing device together to check that the device is functioning properly. A properly functioning device will indicate a fault.
 - b. All circuits connected to multiple-way switches shall be tested in each of the alternating modes (switch positions).
 - c. The dielectric test is to be performed at the electrical panel board for the completed wiring system.
 - d. The dielectric test shall be performed between the live parts (including neutral conductor) and the ground of the structure. Note: The test equipment may indicate "short" between the neutral and ground, even though a short may not actually exist. If the test indicates a short, the individual circuit conductors (wires) must be tested to determine which branch, if any, contains a short.
 - e. Individual Circuit Method:
 5. Place one testing lead on the "grounding bus".
 6. Place the other testing lead on each individual circuit where the wiring connects to the bus (for the A-leg power, B-leg power, and neutral power).
 7. If the circuit breaker is in the "OFF" position, the testing lead must touch the wiring downstream of the circuit breaker.
 8. If the circuit breaker is in the "ON" position, the testing lead may touch the wiring on either side of the breaker.
5. Dielectric strength test acceptance criteria:
 - a. AC Dielectric tolerances – only 1 duration and voltage shall be used:
 1. The test shall withstand between 1080 volts and 1250 volts for a minimum of 1 second and not to exceed 3 seconds without an audible and/or visual fault indication.
 2. The test shall withstand between 900 volts and 1079 volts for a minimum of 1 minute and not to exceed 2 minutes without an audible and/or visual fault indication.
 - b. DC Dielectric tolerances – only 1 duration and voltage shall be used:
 1. The test shall withstand between 1527 volts and 1768 volts for a minimum of 1 second and not to exceed 3 seconds without an audible and/or visual fault indication.
 2. The test shall withstand between 1273 volts and 1526 volts for a minimum of 1 minute and not to exceed 2 minutes without an audible and/or visual fault indication.
6. Rework – If a short is indicated, the short must be located and repaired. A complete electrical system dielectric strength retest is required.
7. Reconnection – All disconnected appliances, fixtures and GFCI receptacles are to be reconnected to the electrical system.

ELECTRICAL CONTINUITY TEST

The purpose of this test is to test the electrical bonding of the metallic parts which may become energized to assure that those parts are not energized with electricity. Note: this test may be conducted concurrently with the continuity test.

1. Continuity test equipment – the continuity tester may be structure-made or any commercially available brand that is able to perform the test as outlined. The tester must have a source of low voltage current and an audible and/or visual indicator that will show a completed circuit.
2. Continuity test preparation:
 - a. All electrical wiring, including the bonding of all non-current carrying metal parts, must be complete.
 - b. Bonding is not required to be tested on fixtures such as tubs, faucets, shower risers, and metal sinks when they are connected only to plastic plumbing piping. Bonding is not required on the metal inlet of a plastic water pipe system.
3. Continuity test procedure:
 - a. The test is made between an accessible connection with ground and non-current carrying metal parts.
 - b. At the electric panel board, the accessible connection to ground is the ground bus in the electric panel box, a non-current carrying metal part that is bonded to the grounding bus, or the grounding contacts on receptacle outlets.
 - c. Touch the contacts together to verify that the device is functioning properly by indicating, either audibly and/or visually, that continuity is present.
 - d. Connect one contact from the tester to an accessible ground and the other contact to each part being tested. The test indicator should show continuity if the part is bonded. Non-current carrying metal parts to be checked include, but are not limited to:
 1. Metal raceway
 2. Metal siding

3. Metal roof
4. Metal HVAC ducts and register (foil covered insulated ducts do not need to be checked)
5. Metal gas piping
6. Appliance enclosures for fans, water heaters, furnaces, and fireplaces.
7. Metal fixture enclosures and canopies. Light fixtures and/or canopies should be tested concurrently with the operational and polarity tests using the operational tester with the appropriate adapter.
8. Appliances that have their power cords installed at the plant (i.e. dishwasher, disposal, electric range, washer, dryer, etc.). Connect one contact from the tester to the ground on the pigtail plug and the other contact to the appliance.
4. Electrical continuity test acceptance criteria – when the testing device indicates that electrical continuity is present.
5. Rework – If a failure of continuity is noted, the energized metal part that is not to be energized must be isolated from the electrical power and retested.

ELECTRICAL POLARITY TEST

The purpose of this test is to demonstrate that all electrical wiring connections are correct. Note: this test may be conducted concurrently with the operational test.

1. Electrical polarity test equipment shall be deemed acceptable so long as the tester can complete the test as outlined below.
2. Electrical polarity test preparation:
 - a. All electrical connections and devices must be completed and installed, except for field installed devices.
 - b. Electrical power must be supplied to all circuits in the structure.
3. Electrical polarity test procedure:
 - a. Plug the tester into each 120-volt receptacle. Observe the indicator lights for correct polarity.
 - b. For switched receptacles, the switch should be in the “OFF” position at the beginning of the test so that the function of the switch and receptacle combination can be verified. Turn the switch “ON” after making sure the switched receptacle is not energized when the switch is “OFF”. Observe the indicator lights for correct polarity.
 - c. Using an appropriate adapter, insert the tester into each light fixture and observe the indicator lights for correct polarity.
 - d. All electrical connections that cannot be checked with a polarity tester shall be checked by visually inspecting the connections prior to covering. The identified conductors shall be connected to all identified conductors at the connection. All hot (black or red) conductors shall be interconnected, and all grounding conductors (green or bare) shall be connected. The following are some examples where visual inspections are to be used:
 1. Fluorescent light fixtures
 2. Direct wired appliances, motors, and fans
 3. 240-volt receptacles
 4. Swag (chain hung) light fixtures
4. Electrical polarity test acceptance criteria – When the testing device indicates that electrical polarity is present or when visual inspection finds that the wiring is correct.
5. Rework – If a failure of polarity is noted, the wiring in violation is corrected and retested.

ELECTRICAL OPERATIONAL TEST

The purpose of this test is to show that all electrical equipment is properly connected and properly functioning.

1. Electrical operational test equipment shall be deemed acceptable so long as the tester can complete the test as outlined above. Additionally, visual indicators may also be used, such as, if the light bulb lights, the light is properly operational.
2. Electrical operational test preparation:
 - a. All electrical connections and devices must be completed and installed, except for field installed devices.
 - b. Electrical power must be supplied to all circuits in the structure.
3. Electrical operational test procedure:
 - a. Place all light switches in the “OFF” position.
 - b. Test each receptacle outlet, including both parts of a duplex receptacle, to verify that electrical power is present.
 - c. Outlets that are GFCI-protected are to be tested with a GFCI-tripping device. With the GFCI device tripped, verify that there is no power at each GFCI receptacle.
 - d. Install test bulbs in fixtures and check for operation by turning the switches “ON” and “OFF”. Note: test bulbs do not need to be installed in light fixtures that are tested concurrently with the continuity and polarity tests by using an operational / polarity tester with an adapter.
 - e. Test fans by turning switches “ON” and “OFF”.
 - f. Test smoke alarms by connecting the wiring and depressing the “test” button. Interconnected smoke alarms must be tested individually to ensure that all alarms sound when an individual alarm is tested. Note: smoke alarms may be disconnected after testing and shipped loose with the instructions for retailer installation. A label shall be placed on

the removed smoke alarm to show that it has been tested and is satisfactory before placing it in the ship-loose inventory for the structure.

- g. AFCI-protected circuits will be tested by using the "test" button on the breaker.
 - h. Field-installed devices do not require an operational test, but the power source to the field-installed device must be checked.
 - i. Listed appliances do not require an operational test, but their power source must be tested.
 - j. All 240-volt outlets must be checked to ensure there is power to both hot legs.
- 4. Electrical operational test acceptance criteria – when the testing device indicates that electrical polarity is present or when visual inspection finds that the wiring is correct.
 - 5. Rework – If a device and/or fixture is not operational, the device and/or fixture in violation is corrected and retested.

GAS PIPING SYSTEM TEST

The purpose of this test is to assure that combustible gas is properly and safely contained in the gas piping system, thus preventing dangerous and possibly deadly gas leaks into or around the structure.

- 1. Gas piping system test equipment:
 - a. A pressure gauge capable of measuring pressures of 10 pounds per square inch (psi), which can be read in increments of 1/10 psi or less.
 - b. A source of air capable of providing 3 psi and arranged so it may be isolated from the system.
 - c. The gas piping systems test gauges shall be deemed satisfactory so long as there is no physical damage to the gauge of any kind, i.e. damage glass, bent needle, damaged casing, etc.
- 2. Gas piping test preparation:
 - a. The temperature of the ambient air and the gas piping should be approximately the same.
 - b. Shut-off valves, if installed, should be closed at each outlet. If valves are not installed or if valves will not withstand 3 psi, the appliance outlets must be capped.
 - c. The test gauge must be connected to the gas piping system.
- 3. Gas piping system test procedure:
 - a. Charge the system with air to a minimum of 3 psi.
 - b. Once the pressure in the system has equalized, isolate the pressure by removing the air source from the test gauge.
 - c. When the system can hold the pressure at a minimum of 3 psi for a minimum of 10 minutes, the test is complete.
- 4. Gas piping system test acceptance criteria – the gas piping system holds the specified air pressure for the specified time.
- 5. Rework – Should the air pressure drop for any reason, all joints in the piping system shall be checked with a soap-and-water solution to detect small leaks until the faulty connection is found. The gas piping system is repaired, and the gas piping system is retested.

WATER SUPPLY SYSTEM PRESSURE TEST

The purpose of this test is to assure that all pipes and fittings in the water distribution system are assembled so that the system can deliver water without leaks.

- 1. Water supply system pressure test equipment:
 - a. A functional pressure gauge capable of measuring pressures of 100 psi, which can be read in increments of 1 psi or less.
 - b. A source of air capable of providing 100 psi and arranged so it may be isolated from the system.
 - c. The water supply systems test gauges shall be deemed satisfactory so long as there is no physical damage to the gauge of any kind, i.e. damage glass, bent needle, damaged casing, etc.
- 2. Water supply system pressure test preparation:
 - a. All water lines must be completed, including connections to fixture and appliances, except for the water heater. The water heater's hot- and cold-water supply lines are connected together for this test.
 - b. All faucets are placed in the closed position except for the faucet-to-shower diverters, which may be left open if the shower head is removed and capped.
 - c. All in-line shut-off valves are in the open position, except for shut-off valves to icemakers and dishwashers, which must be closed to prevent damage to those appliances.
 - d. The shut-off float in each toilet tank is lifted to the closed position by filling the tank with water or by blocking the float in the closed position.
 - e. Connect the test gauge to the water piping system.
 - f. Water used for testing shall be obtained from a potable source.
- 3. Water supply system pressure test procedure:
 - a. Fill the water supply system with water, opening all the faucets until water flows freely out of the faucet and thus releasing as much air as possible.
 - b. Pressurize the water supply system to 100 psi by applying air.

- c. Once pressurized, isolate the pressure source from the system and hold the pressure at no less than 100 psi for 15 minutes.
- d. Small pressure drops may occur because of line expansion, in which case the pressure must be brought back up to 100 psi and the 15-minute holding period must be restarted.
4. Water supply system pressure test acceptance criteria – the water supply system holds the specified air pressure for the specified time.
5. Rework – Should the air pressure drop for any reason, all joints in the water supply system shall be visually inspected to find evidenced of water leakage. The water supply system is repaired, and the water supply system is retested.
6. Reconnection – After successful test completion, reconnect the water heater supply lines, remove plugs and caps and install the appropriate fittings and/or fixture as needed.

DRAIN, WASTE, AND VENT (DWV) SYSTEM TEST

The purpose of the DWV system test is to assure that the DWV systems is free of waste leaks through the Drain and Waste portions of the system and of gas leaks in the Vent system.

1. DWV system test equipment:
 - a. A pressure gauge capable of measuring pressures of 10 psi, which can be read in increments of 1/10 psi or less.
 - b. A source of air capable of providing 10 psi and arranged so it may be isolated from the system.
 - c. The DWV system test gauges shall be deemed satisfactory so long as there is no physical damage to the gauge of any kind, i.e. damage glass, bent needle, damaged casing, etc.
2. DWV system test preparation:
 - a. The DWV system must be complete.
 - b. Plug all open ends of the DWV systems, either using caps or test bulbs.
 - c. Connect the test gauge to the DWV system.
3. DWV system test procedure:
 - a. Charge the system with air to a minimum of 5 psi.
 - b. Once the pressure in the system has equalized, isolate the pressure by removing the air source from the test gauge.
 - c. When the system can hold the pressure at a minimum of 5 psi for a minimum of 15 minutes, the test is complete.
4. DWV system test acceptance criteria – the DWV system holds the specified air pressure for the specified time.
5. Rework – Should the air pressure drop for any reason, all joints in the DWV system shall be visually inspected to find evidenced of water leakage. The DWV system is repaired and the DWV system is retested.

WATER-TIGHTNESS (FIXTURE FLOW) TEST

The purpose of this test is to assure that the connections between water basins (sinks, tubs, tub showers, washer box, etc.) and their p-traps are free of leaks.

1. Water tightness test equipment – a source of water.
2. Water tightness test preparation:
 - a. All DWV piping is completed to the water reservoirs, including p-traps.
 - b. All drain plugs are in the closed position.
4. Water tightness test procedure:
 - a. Each fixture shall be filled with enough water to provide a full flow of water through the drain.
 - b. The drain plugs are removed or lifted.
 - c. Traps and fixture connections shall be proven watertight by visual inspection.
5. Water tightness test acceptance criteria – No visual leaks are detected at any water reservoir connection.
6. Rework – All visible leaks shall be repaired and retested.

LUMBER MOISTURE CONTENT TEST

1. At the time of installation, no dimensional lumber with moisture content greater than 19% shall be used.
2. If dimensional lumber is found to have standing water on it, it shall not be used until the material has time to adequately dry.
3. Any moisture meter may be used so long as the moisture meter is not physically damaged in any way.
4. The testing procedures provided with the moisture meter will be followed.
5. Regardless of the method used to establish that the moisture content of the lumber does not exceed 19 percent, all lumber surfaces shall be dry and all lumber subject to verification as to moisture content at the time of installation in the factory.
6. Lumber that appears to be dry shall be accepted as having a moisture content of less than 19% and shall be acceptable for use.

FIRESTOPPING OF PENETRATIONS IN FIRE-RATED ASSEMBLIES

1. The firestopping of penetrations in fire-rated assemblies will be accomplished as detailed in the 2009 International Building Code (Section 713) or the 2009 International Residential Code (Section R302).
2. Purchased firestopping materials such as foam and caulking shall comply with ASTM E814 (Test Method for Fire Tests of Through-penetration Firestops).

PRE-PRODUCTION ASSURANCE SYSTEMS

DOCUMENTATION OF CHANGES TO QUALITY ASSURANCE MANUAL

The Quality Assurance Manual shall be reviewed and updated as required and reviewed yearly by the Quality Assurance Department and the Independent Inspection Agency. All revisions shall be sent to the Independent Inspection Agency within 30 days for approval.

The revisions shall be recorded and stored in a separate file entitled "Quality Assurance Manual Changes". This file shall include details as to the revision description, the Quality Assurance Manual page that was affected and the date the request was sent to the Independent Inspection Agency. A copy of the changes shall be found at the end of this Quality Assurance Manual (Appendix 4). Because the "Quality Assurance Manual Changes" document is a living document, it is not required to have a dated stamp of approval by the Independent Inspection Agency.

COMPLIANCE RECORDS

All Compliance Records are kept on file and maintained by the respective Department Managers. All Compliance Records are readily available, upon request, during regular business hours. All Compliance Records are to be kept a minimum of 10 years after the date of manufacture. Compliance Records (Department responsible) include, but are not limited to, the following:

1. Sales Orders (Sales)
2. Approved plan drawings, shop drawings, and production drawings (Engineering)
3. Purchase orders, material receipts, and material return receipts (Purchasing)
4. Quality Assurance Manual (Quality Assurance)
5. Testing equipment calibration records (Quality Assurance)
6. Certification label records (Quality Assurance)
7. Independent Inspection Agency inspection reports (Quality Assurance)
8. Field Repair Reports (Service)

USE AND SECURITY OF WORKING DRAWINGS

All approved plan drawings, shop drawings, and production drawings are maintained and stored in the Engineering Department. All changes to these drawings shall be made by the Engineering Department. Any new or revised drawings to be used in the manufacture of a Manufacturer's structure, including but not limited to, plot plans, floor plans, elevations, typical construction details, heat loss and electrical calculations, shall be submitted to the Independent Inspection Agency for approval prior to the implementation of the drawing. Revised drawings (other than Compliance Records) shall be removed and retained for a minimum of 10 years.

SERIAL NUMBER SYSTEM

When the Manufacturer's structure is ordered by or sold to an authorized customer, a sales order is issued by the Manufacturer Sales Department. The Project Coordinator reviews the structure's sales order for accuracy and assigns a job/serial number. The serial number of the structure is permanent in its assignment and cannot be reused. The serial number is etched on the data plate permanently and that serial number references all records pertaining to that specific structure. Once production begins, the serial number is written on each structure during all production phases. The serial number must always be kept visible, whether denoted on a finished surface or a fixture such as a door or window.

SECURITY OF CERTIFICATION LABELS

All certification labels and seals shall be ordered directly from the Independent Inspection Agency or the appropriate State Agency. The Quality Assurance Manager is responsible for the administration and security of those labels. The Quality Assurance Manager is responsible for the reporting of the certification labels and seals to the appropriate entities using the proper forms. All damaged labels and/or seals are secured, and the proper agency is notified, then are either returned or destroyed per the instructions of the governing agency.

The certification labels and/or seals are affixed to the assigned unit by the Independent Inspection Agency or by the Manufacturer Quality Assurance Manager (or his designate), but only after the unit is complete and in compliance with the requirements, as evidenced by the completed Code Compliance Inspection Checklist. The location is to be noted on the approved plans.

MATERIAL PROCUREMENT PROCEDURES

Every effort shall be made to use materials that are properly listed per the requirements of the Code. Documentation detailing the suitability of various infrequently used subsystems and components shall be maintained in the Purchasing Department using product catalogs, installation manuals and like materials.

All new materials not affecting the structural components of the structure must be reviewed by Engineering and Quality Assurance personnel for approved use. If new materials are approved, the Purchasing Department is notified of the approval and must obtain, from the supplier, all history or written technical necessary for approved use. Reports include approved listing or installation information.

If new materials are rejected, a reason must be given for rejection (such as not being a listed product) as to why the material will not meet applicable State requirements.

INSPECTION OF MATERIALS AT TIME OF RECEIPT

The receiving agent shall check all incoming materials to assure that the material conforms to the specific noted on the purchase order. All materials are inspected for damage. Incorrect, damaged, or defective material is noted on the delivery receipt and returned to the supplier of the product, if possible. The Purchasing, Quality Assurance and Production Departments are notified of the suspect material.

All supplies procured from an outside supplier are inspected to assure conformance to contract specifications. The nature and extent of inspection performed is determined by the Quality Assurance department. Generally, materials are inspected for material type, grading, species, or span ratings, certifications and/or listing agency stamps.

The receiving department identifies supplies by the packing slip and a copy of original purchase orders, verifies the count received and inspects for incoming concealed damage. If damage is found, the freight bill is marked as to quantity of damage found. The freight bill is copied and with the purchase order, is given to the Purchasing department so that new material can be reordered. Undamaged material is sent to its proper storage area.

PROTECTION OF MATERIALS

Every effort shall be made to store all materials shall be stored in a warehouse. All materials shall be stored in a neat and orderly manner and according to the material manufacturer's storage requirements. Material is to be rotated on a "first in, first out" manner. If required, material may be stored in an exposed location, but may not be stored in a manner that will damage the material in any way and in accordance with the material manufacturer's requirements.

All materials that constitute rough framing materials are stored in the warehouse area within 4 hours of receipt. All materials that constitute finish materials are stored immediately upon receipt in the designated warehouse area.

DISPOSITION OF NONCOMPLIANT AND/OR REJECTED MATERIALS PRIOR TO CONSTRUCTION

Materials rejected from the construction process are placed in a designated area so that they cannot mistakenly be used in the construction process. The suspect material shall remain in this location until it is disposed of, returned to the supplier or scrapped out for parts. Rejected materials are packaged together and stored in an outside storage area away from usable materials. Rejected materials are to be tagged "reject" or culled immediately. Some rejected materials, such as dimensional lumber, may be salvaged for use in the framing of the wall and/or roof system as backers, splice plates, etc.

DATA PLATE REQUIREMENTS

The data plate shall be submitted to the third-party independent agency as a part of the structure's plan review and approval process.

The data plate shall be printed on material that limits the smudging of the information, capable of lasting for years, permanently placed and self-destructing if removal is attempted. It shall be acceptable to print the data plate on plain paper so long as the data plate is laminated to assure clarity and longevity. The data plate, along with the certification labels, shall be installed at or near the final location of the electrical service panel or another location as noted on the approved plans. The data plate and certification labels may be affixed to the service panel cover, so long as the electrical information is not covered.

The data plate shall contain, at a minimum, the following information:

1. Name and address of manufacturer;
2. Serial number(s) and/or manufacturer's identification numbers;
3. Manufacturer's model number;
4. Certification label numbers;
5. Construction classification;
6. Seismic zone;
7. Basic wind speed and exposure categories;
8. Thermal resistance values;
9. Date of manufacture;
10. Name and date of the applicable building code(s) complied with;
11. Service panel size;

12. Third-party agency's Design Approval number;
13. Fire ratings of Exterior Walls;
14. Occupancy Classification;
15. Floor dead and live loads; and
16. Roof dead and live loads.

The "date of manufacture" is defined as the date the structure was certified by the Manufacturer's Quality Assurance department as being compliant with the requirements. The data of manufacture shall also be the date the data plate and certification labels were affixed to the structure.

RIGHT OF ENTRY FOR INDEPENDENT INSPECTION AGENCY

The Manufacturer authorizes and grants any third party and its representatives the right to enter the Manufacturer's manufacturing facility during normal working hours for regular inspections and at special times as requested by the Manufacturer.

All other visits by the third party not related to the inspection of Manufacturer structures shall be made by appointment. Every effort will be made to accommodate unscheduled visits, but the Manufacturer reserves the right to limit these unscheduled visits for insurance, proprietary, and safety reasons.

PRODUCTION ASSURANCE SYSTEMS

CODE COMPLIANCE INSPECTION CHECKLIST PURPOSE

The Code Compliance Inspection Checklist is completed by the Production Department and the Quality Assurance Department as the structure flows through the construction process. The purpose of this checklist is to provide a written record of compliance or non-compliance of the structure. A sample of the Code Compliance Inspection Checklist is found in the Appendix.

To shift from a quality “controlling” atmosphere to a quality “assuring” atmosphere, Production personnel is required to sign for their respective areas of construction. In this way, Production is accountable for their part in the construction process. The Engineering, Production and Quality Assurance departments are separate in their respective roles, but together, their interactions and cross-accountability is essential to the compliant construction of the structure.

CORRECTIVE ACTION

Any non-conformance noted by the Production personnel, the Quality Assurance personnel, the Independent Inspection Agency, or other regulatory agency shall be corrected immediately before further work can continue. Non-conformances of a more complex nature and those non-conformances occurring away from the manufacturing facility shall be corrected after obtaining authorization from the Quality Assurance Department.

If a nonconformance cannot be immediately corrected, the Manufacturer shall place the structure on an internal red-tag status, preventing the nonconformance from being covered by subsequent construction. When the nonconformance is corrected, the structure can resume production. The Independent Inspection Agency will also have procedures that may be enforced when a nonconformance cannot be corrected by the end of their audit.

Upon notification of any non-conforming material, sub-assembly, assembly or component, the Quality Assurance Department shall consult with any or all the following: The Engineering Department, Production Department, the Independent Inspection Agency, the appropriate regulatory agency, and/or the material manufacturer to ascertain the correct repair and shall authorize corrective action be taken as soon as possible.

The Quality Assurance Department shall analyze the nature of the non-conformance, attempt to disclose the cause of the nonconformance and take appropriate steps to reduce the repetition of the non-conformance. When a nonconformance is detected in a structure, all other structures shall be inspected for the same nonconformance.

MANUFACTURING PROCESS DESCRIPTION

The following is a general description of the manufacturing process, including basic items to inspect. This description mirrors the Code Compliance Inspection Checklist. The items listed are not exclusive or limited, as other items are also inspected.

1. Floor system construction
 - Check for proper grade and type of floor joist.
 - Check floor joist fastening to rim joist blocking, spacing of joist, and location and fastening of joist hangers.
 - Check for proper test stamp and grade of materials used in roof trusses.
 - Check for proper fastening of trusses to wall system.
 - Check for square.
 - Check installations per manufacturer’s installation instructions, applicable codes, plan approvals and/or listings.
2. Plumbing systems in floor cavity
 - Check installations per manufacturer’s installation instructions, applicable codes, plan approvals and/or listings.
3. Floor insulation installation (if applicable)
 - Check insulation type and R-Value.
 - Check for proper placement of insulation in floor system.
 - Check installations per manufacturer’s installation instructions, applicable codes, plan approvals and/or listings.
4. MANDATORY INSPECTION 1
5. Floor sheathing installation
 - Check decking grade and agency stamp.
 - Check fastening and gluing of decking to floor joist.
 - Check unit floor for square.
 - Check installations per manufacturer’s installation instructions, applicable codes, plan approvals and/or listings.
6. MANDATORY INSPECTION 2
7. Exterior wall construction and set
 - Check exterior wall studs for grade and spacing.
 - Check for proper nailing of studs to plates and plate to floor system.

- Check for proper material grade and construction of exterior door and window headers.
 - Check installations per manufacturer's installation instructions, applicable codes, plan approvals and/or listings.
8. Exterior wall sheathing installation
 - Check fastening and type of exterior wall sheathing.
 - Check siding for type and installation as per manufacturer's specifications.
 - Check siding fasteners for spacing and size.
 - Check installations per manufacturer's installation instructions, applicable codes, plan approvals and/or listings.
 9. Partition wall construction and set
 - Check interior wall studs for grade and spacing.
 - Check nailing procedures of walls to floor.
 - Check for proper placement of walls on floor system.
 - Check installations per manufacturer's installation instructions, applicable codes, plan approvals and/or listings.
 10. Roof/ceiling construction and set
 - Check truss placement according to truss manufacturer's layout print.
 - Check installations per manufacturer's installation instructions, applicable codes, plan approvals and/or listings.
 11. Roof sheathing installation
 - Check roof sheathing for grade stamp nailing, H-clips and installation.
 - Check installations per manufacturer's installation instructions, applicable codes, plan approvals and/or listings.
 12. Plumbing systems in interior and exterior walls
 - Check type of water line material used plus installation and strapping of water lines.
 - Check for air test of unconcealed piping.
 - Check installations per manufacturer's installation instructions, applicable codes, plan approvals and/or listings.
 13. Plumbing systems in roof cavity
 - Check type of water line material used plus installation and strapping of water lines.
 - Check for air test of unconcealed piping.
 - Check for proper venting of all plumbing fixtures through walls and roof.
 - Check installations per manufacturer's installation instructions, applicable codes, plan approvals and/or listings.
 14. Electrical systems in interior and exterior walls
 - Check rough in electrical.
 - Check wires for size and installation method for required circuits.
 - Check boxes for proper size, spacing and method of support.
 - Check system for compliance to code.
 - Check installations per manufacturer's installation instructions, applicable codes, plan approvals and/or listings.
 15. Electrical systems in roof cavity
 - Check rough in electrical.
 - Check wires for size and installation method for required circuits.
 - Check boxes for proper size, spacing and method of support.
 - Check system for compliance to code.
 - Check installations per manufacturer's installation instructions, applicable codes, plan approvals and/or listings.
 16. MANDATORY INSPECTION 3
 17. Exterior wall insulation installation
 - Check insulation type and R-Value.
 - Check for proper placement of insulation in wall cavities.
 - Check installations per manufacturer's installation instructions, applicable codes, plan approvals and/or listings.
 18. Roof insulation installation
 - Check insulation type and R-Value.
 - Check for proper placement of insulation in roof cavities.
 - Check installations per manufacturer's installation instructions, applicable codes, plan approvals and/or listings.
 19. MANDATORY INSPECTION 4
 20. Air/vapor retarder (interior) installation
 - Check for proper installation of air/vapor retarders in wall and roof cavities.
 - Check installations per manufacturer's installation instructions, applicable codes, plan approvals and/or listings.
 21. Air/vapor retarder (exterior) installation
 - Check for proper installation of air/vapor retarders on exterior walls.
 - Check installations per manufacturer's installation instructions, applicable codes, plan approvals and/or listings.
 22. MANDATORY INSPECTION 5
 23. Window and door installation

- Check windows and exterior doors for installation, placement, and egress requirements.
 - Check for insulation around windows and exterior doors
 - Check installations per manufacturer's installation instructions, applicable codes, plan approvals and/or listings.
24. Gypsum installation on walls and ceiling
- Check installations per manufacturer's installation instructions, applicable codes, plan approvals and/or listings.
25. MANDATORY INSPECTION 6
26. Roof covering preparations
- Check for proper material and application of aluminum drip edge, roofing felt, and asphalt shingles.
 - Check for proper frost flashing of vents through roof and proper height of vent termination above roof.
 - Check installations per manufacturer's installation instructions, applicable codes, plan approvals and/or listings.
27. MANDATORY INSPECTION 7
28. Exterior wall covering installation
- Check installations per manufacturer's installation instructions, applicable codes, plan approvals and/or listings.
29. Roof covering installation
- Check installations per manufacturer's installation instructions, applicable codes, plan approvals and/or listings.
30. Final finish
- Check for proper installation of fixtures and shut-off valves at fixtures.
 - Check for proper water line connections, fitting, size, and workmanship.
 - Check attachment of wires to devices panel and grounding.
 - Check fixtures for proper installation to codes and approved agency stamps.
 - Check circuits for proper size breakers in panel and labeling for circuits in panel.
 - Check for proper spacing and strapping and/or protection of wiring.
 - Check proper size and types of all raceways if used.
 - Check securing of panel to panel backer for drop-in installation at job site.
 - Check cabinets and counter tops for proper installation and size.
 - Check range hood for proper ducting, fire protection and venting through roof.
 - Check interior doors for proper size, location, and swing.
 - Check all finished material for damage that may have occurred during installation.
 - Check installations per manufacturer's installation instructions, applicable codes, plan approvals and/or listings.
31. MANDATORY INSPECTION 8
32. FINAL CERTIFICATION

MANDATORY CONSTRUCTION INSPECTIONS

The signing of each inspection assures that the assemblies constructed in this area are following the Quality Assurance Manual and/or the State standards in effect at the time of construction. Defects shall be noted on the reverse of this Inspection Checklist.

The MANDATORY INSPECTIONS must be completed and nonconformances corrected and/or noted before the next construction phase may begin. Work processes may overlap in different stations but may not be covered until the MANDATORY INSPECTIONS have been performed.

1. MANDATORY INSPECTIONS 1 through 7 are to be signed off by both Production and/or Quality Assurance personnel. See the "CODE COMPLIANCE INSPECTION CHECKLIST PURPOSE".
2. MANDATORY INSPECTION 8 is to be signed by both Production and Quality Assurance personnel.
3. The FINAL CERTIFICATION may only be signed by Quality Assurance personnel.

PERSONS AUTHORIZED TO WITNESS SYSTEMS TESTING

The Production personnel responsible for performing a specific systems test may not sign off as a witness to their test. For example, a licensed electrician that performs electrical testing may sign for his own test.

FREQUENCY OF QUALITY ASSURANCE INSPECTIONS

The Quality Assurance Department shall continuously monitor the production process through all phases and aspects of the structure. This 100% monitoring system shall follow the "Code Compliance Inspection Checklist".

The Independent Inspection Agency shall inspect every unit at least once in some point in the production process. The Independent Inspection Agency shall also audit any compliance records pertinent to observed non conformances.

CODE COMPLIANCE WORKMANSHIP STANDARDS

In addition to all code requirements, all work performed shall be in a neat and orderly manner and will achieve a pleasing appearance. Product memorandums are issued periodically and will note code-required changes, alterations to the interior and exterior design, appearance, and style of the structure. An enlarged sketch detailing special construction is also shown on the product memorandums. Any work not meeting the company standards shall be brought to the attention of the Production Department responsible.

DISPOSITION OF NONCOMPLIANT AND/OR REJECTED MATERIAL DURING CONSTRUCTION

Any unit found to have noncompliant materials should be corrected immediately. When this is not possible or practical, and continued construction will not hinder the correction of the noncompliant item, the structure will be allowed to continue in the production process. A "Red Tag" shall be affixed to the unit and a written description of the nature of the noncompliance with the repair method noted. Ordinarily not-repairable assemblies will be disposed of in a similar manner as rejected new material.

FINAL INSPECTION AND CERTIFICATION

The procedure for the final in-plant inspection is as follows:

1. Verify that the certification label(s) and/or seal(s) are properly located and affixed
2. Verify that the Data Plate is complete and accurate and that the Data Plate is properly located and affixed
3. Verify that the inspection records are complete

PREPARATION FOR SHIPPING

The structure is cleaned and rechecked for defects in workmanship and material. Plumbing drops are checked to assure that the drop does not extend below the bottom edge of the floor joist system. All electrical wiring is secured between the floor joists, as is the distribution panel board, to prevent shifting and possible damage while in transit. All ship-loose items are secured to prevent damage to the materials and to the structure. All shortages are completed, and the unit is cleaned again and sealed.

POST-PRODUCTION ASSURANCE SYSTEMS

HANDLING AND STORAGE OF COMPLETED STRUCTURES

All openings in the exterior envelope are closed and reinforced to prevent weather damage in the storage yard or in transit. Any structure stored over 1 week is checked every week thereafter for possible damage while in storage.

TRANSPORTATION OF STRUCTURE TO PERMANENT SITE

All structures are moved to the permanent site, using a house-mover transportation trailer, an integral trailer, or a single transportation trailer. The structure installer is required to check for damage at the time of delivery, and to report any damages to the Manufacturer immediately.

The Manufacturer does not participate in the transportation of the structure as that is handled by a private entity that deals directly with the end user. If the Manufacturer does become involved in the transportation aspects of the structure, the structure shall be monitored on the way to the destination by the transportation personnel. The Manufacturer has engineered the structural integrity into the structure, allowing for minimal structural or cosmetic damage to the structure during transportation.

All efforts must be made to obtain the destination site (final occupied location) of the structure. A post office box or "at the corner of" designation shall not be accepted. This end destination is important in determining the applicable Codes as well as providing a delivery destination and service destination as necessary. This end destination becomes a permanent piece of information in the structure's dedicated file.

STRUCTURE INSTALLATION AT THE END DESTINATION

The Manufacturer does not participate in the installation of the structure and as such, the installation procedures and requirements are the responsibility of the structure installer, builder, or dealer. The Manufacturer does not have any responsibility or liability with regards to the installation of the structure. The structure installation must comply with the instructions provided by the privately contracted structure installer and the State and/or Local Building Codes.

FIELD REPAIRS

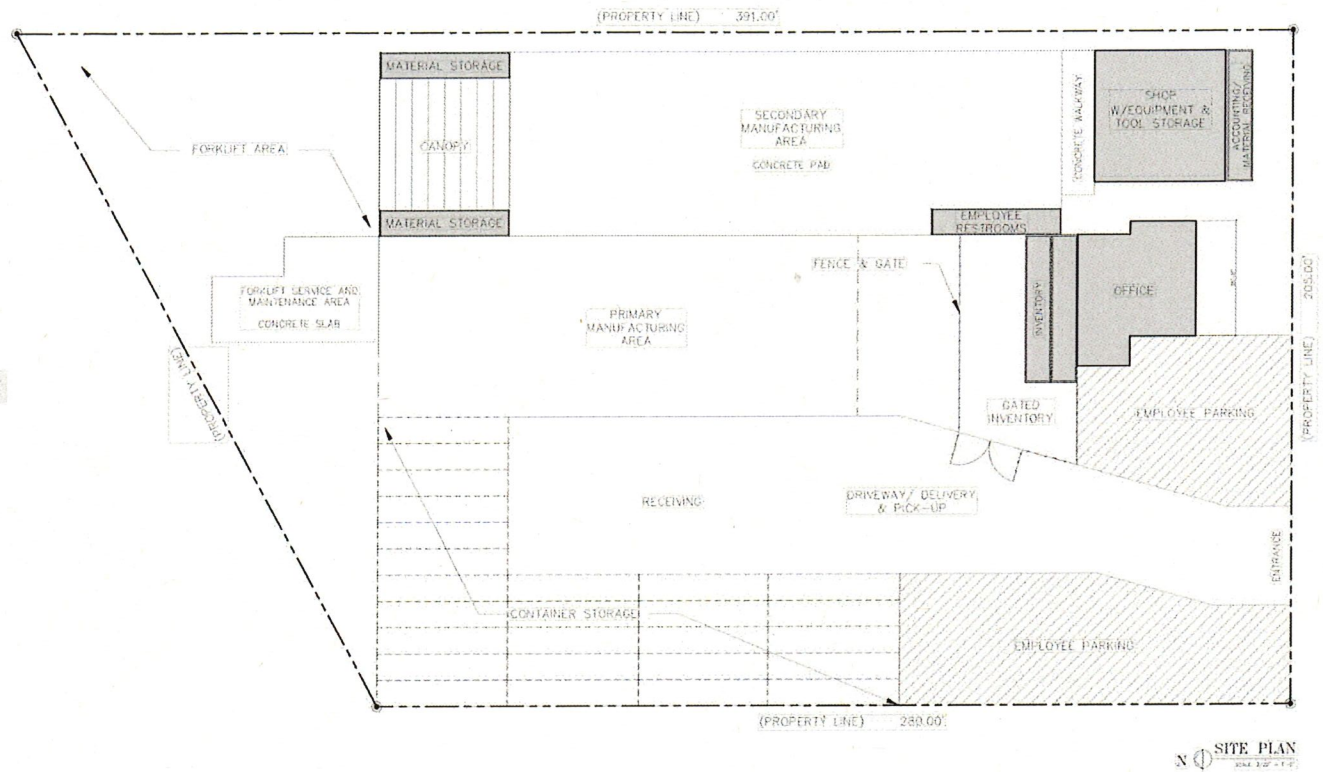
The Manufacturer maintains a Service Department that is responsible for the field repairs of the Manufacturer structure after it reaches its destination. The Service Manager, working with the Quality Assurance Manager, will monitor all field repairs. If a field repair is repetitive in nature, the Service Manager is required to inform the Quality Assurance and Production Departments of the nonconformance.

INFORMATION PROVIDED TO STATE AND/OR LOCAL AUTHORITY HAVING JURISDICTION

When requested by a State and/or Local Authority have jurisdiction, the Manufacturer shall provide the Third-party- or State-approved plan sets, which may include the following items

1. Typical exterior elevations
2. Typical construction details
3. Typical drain, waste, and vent systems layouts (factory-built portions only)
4. Typical electrical systems layouts (factory-built portions only)
5. Plot plan (when available)
6. Thermal heat loss calculations

APPENDIX I –MANUFACTURING FACILITY LAYOUT (not to scale)



APPENDIX II – CODE COMPLIANCE INSPECTION CHECKLIST

Serial Number:	Production Number:	Model Number:	Start date:
Destination:	State Labels:	3rd Party Labels:	Finish date:

CONSTRUCTION INSPECTIONS - The signing of each inspection assures that the assemblies constructed in this area are in compliance with the Quality Assurance Manual and/or the State standards in effect at the time of construction. Defects shall be noted on the Nonconformance Control Form. The MANDATORY INSPECTIONS must be completed and nonconformances noted before the next construction phase may begin. Work processes may overlap in different stations, but may not be covered until the inspections have been performed. MANDATORY INSPECTIONS may be signed off by Production Group leaders, Production Supervisors or Quality Assurance personnel per the list found in the Quality Assurance Manual. MANDATORY INSPECTION 13 may only be signed by Production personnel while the FINAL CERTIFICATION may only be signed by Quality Assurance personnel.

MANUFACTURING INSPECTIONS	COMMENTS	SIGN	DATE
Floor system construction			
Plumbing in floor cavity			
Floor insulation installation			
MANDATORY INSPECTION 1			
Floor sheathing installation			
MANDATORY INSPECTION 2			
Exterior wall construction and set			
Exterior wall sheathing installation			
Partition wall construction and set			
Roof/ Ceiling construction and set			
Roof Sheathing installation			
Plumbing in interior and exterior walls			
Plumbing system in roof cavity			
Electrical systems in interior and exterior walls			
Electrical systems in roof cavity			
MANDATORY INSPECTION 3			
Exterior wall insulation installation			
Roof insulation installation			
MANDATORY INSPECTION 4			
Air/vapor retarder (interior) installation			
Air/vapor retarder (exterior) installation			
MANDATORY INSPECTION 5			
Window and Door installation			
Gypsum installation on walls and ceiling			
MANDATORY INSPECTION 6			
Roof covering preparations			
MANDATORY INSPECTION 7			
Exterior wall covering installation			
Roof covering installation			
Final Finish			
MANDATORY INSPECTION 8			

SYSTEMS TESTING - The following tests have been successfully performed in accordance with the requirements of the Quality Assurance Manual. The witnessing of the tests is to be done by Quality Assurance personnel and is optional.

SYSTEMS TEST	TESTING PERSONNEL	WITNESSED BY	DATE
ELECTRICAL SYSTEMS TESTS	Di-electric strength test		
	Operational test		
	Continuity test		
	Polarity test		
	AFCI & GFCI test		
	Smoke alarm test		
PLUMBING SYSTEMS TESTS	DWV system test		
	Water supply pressure test		
	High-pressure Gas System		
	Water tightness test		

FINAL CERTIFICATION - To the best of my knowledge, this unit is constructed in conformance with the applicable State building codes(s) in effect on the date of manufacture.

Quality Assurance Manager, Supervisor or Inspector _____	Date _____
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APPENDIX III – MANUFACTURER DATA PLATE

DATA PLATE									
Manufacturer			Customer						
Address			Site Location						
City, State, Zip			City/State/Zip						
Date of Manufacture			Construction Classification				Unit Weight		
Unit Serial Number			Bldg Height / Story Height				Seismic Category		
Unit Model Number			Occupancy Classification				Roof R-value		
Date Data Plate Affixed			Floor Area (sf)				Wall R-value		
3rd-Party Label Number(s)			Snow Load				Floor R-value		
			Floor Load				Outside Temp.		
State Label Number(s)			3-sec Wind Speed				Degree Days		
Other Notes			Wind Exposure Category				Water Test		
			Electrical Ratings				DWV Test		
Codes & Standards complied with on Date of Manufacture:									
Listed Appliances						Other Information		Special Conditions and/or Limitations	
Appliance type		Appliance type		Appliance type		Fire Rating of Exterior Walls			
Mfg		Mfg		Mfg		Floor Dead Load			
Model		Model		Model		Floor Live Load			
Appliance type		Appliance type		Appliance type		Roof Dead Load			
Mfg		Mfg		Mfg		Roof Live Load			
Model		Model		Model					

APPENDIX IV – MAJOR EQUIPMENT LIST

ITEM	MAKE	MODEL	SERIAL NUMBER
Grinder	Makita	GA7021	379882A
Plasma Cutter	Thermal Dynamics	Cutmaster 60I	MX1721008827
Plasma Cutter	Hypertherm	Powerpax 45 XP	01468
Plasma Cutter	Hypertherm	Powerpax 30	033008
Welder	Lincoln Electric	110 Weld Pak	M3180901358
Welder	Lincoln Electric	Power MIG 256	M3200211826
Welder	Lincoln Electric	Power MIG 256	M221502VM
Welder	Lincoln Electric	Power MIG 256	M3200111579
Welder	Lincoln Electric	Power MIG 260	M3230903387
Air Compressor	Craftsman	313167800	2003029144
Air Compressor	Campbell Hausfeld	VT619502AJ	LR/20/97-02598
Forklift	Yale	195A	524137101.0
Pipe Threader	RIDGID	535	403972
Bench Grinder	Ryobi	BGH616	W0610102446
Multi Saw	Evolution Power Tools	R355CPS	K1912US01941

APPENDIX V – CHANGES TO QUALITY ASSURANCE MANUAL

CHANGES TO QUALITY ASSURANCE MANUAL				
DATE	PAGE	SECTION	DETAILS	APPROVED
2/8/2024	2	Purpose	Updated the Purpose of Quality Assurance Manual	
2/8/2024	3	Org Chart	Updated the Organization Chart with correct information	
2/8/2024	13	Data Plate Requirements	Updated the information mentioned on the Data Plate	
2/8/2024	2	Cover Page	Updated the cover page for with QA manual's applicability	
2/8/2024	5	Resume	Updated information about the new QA personnel and the dates for Production	
2/8/2024	5	Resume	Updated dates for the Production/ Operations Manager	
2/8/2024	14	Right of Entry	Updated the Right for Entry for Inspection section	
2/8/2024	17	Authorized Witness	Updated the Persons Authorized to witness Systems Testing section	
2/9/2024	21	Appendix II	Updated the Compliance checklist according to the manufacturing process	
2/9/2024	22	Appendix III	Updated the Data plate	
2/9/2024	20	Appendix I	Updated the Manufacturing facility layout	
2/9/2024	23	Appendix IV	Updated the major equipment list	

MATERIALS CUT SHEETS & SPECIFICATIONS



Safety Data Sheet

24 Hour Emergency Phone Numbers
Medical/Poison Control:
In U.S.: Call 1-800-222-1222

Outside U.S.: Call your local poison control center

Transportation/National Response Center:

1-800-535-5053
1-352-323-3500

NOTE: The National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

IMPORTANT: Provide this information to employees, customers, and users of this product. Read this SDS before handling or disposing of this product. This product is covered by the OSHA Hazard Communication Standard and this document has been prepared in accordance with requirements of this standard. All abbreviated terms used in this SDS are further described in Section 16.

1. Identification

This Safety Data Sheet is available in American Spanish upon request.
Los Datos de Seguridad pueden obtenerse en Espanol si lo requiere.

Product Name:	Alex Plus Acrylic Latex Caulk Plus Silicone - All Colors	Revision Date:	10/23/2018
Product UPC Number:	070798181106, 070798181120, 070798181113, 070798181090, 070798181076, 070798181359, 070798181014, 070798181281, 070798181366, 070798181724, 070798181557, 070798114401	Supercedes Date:	9/12/2018
Product Use/Class:	Caulking Compound	SDS No:	00010002001
Manufacturer:	DAP Products Inc. 2400 Boston Street Suite 200 Baltimore, MD 21224-4723 888-327-8477 (non - emergency matters)	Preparer:	Regulatory and Environmental Affairs
	SDS Coordinator: MSDS@dap.com		
	Emergency Telephone: Transportation: 1-800-535 -5053 1-352-323-3500 Poison Control: 1-800-222-1222		

2. Hazards Identification

GHS Classification

Not a hazardous substance or mixture.

Symbol(s) of Product

None

Signal Word

Not a hazardous substance or mixture.

Possible Hazards

6% of the mixture consists of ingredients of unknown acute toxicity

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Limestone	1317-65-3	45-70	No Information	No Information
Lubricating petroleum oil	72623-86-0	3-7	GHS07	H332
Petroleum distillates	64741-88-4	1-5	GHS06	H331
Dipropylene glycol dibenzoate	27138-31-4	1-5	No Information	No Information
Solvent ref. light paraffinic	64741-89-5	0.5-1.5	GHS06	H331
Diethylene glycol dibenzoate	120-55-8	0.5-1.5	GHS07	H312
Titanium dioxide	13463-67-7	0.1-1.0	No Information	No Information
Quartz	14808-60-7	0.1-1.0	GHS07	H302
Carbon black	1333-86-4	0.1-1.0	GHS02	H251

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

4. First-aid Measures

FIRST AID - INHALATION: Material is not likely to present an inhalation hazard at ambient conditions. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

FIRST AID - SKIN CONTACT: In case of contact, wash skin immediately with soap and water.

FIRST AID - EYE CONTACT: In case of contact, immediately flush eyes with large quantities of water for at least 15 minutes until irritation subsides. Get medical attention immediately.

FIRST AID - INGESTION: If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately.

5. Fire-fighting Measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: No Information

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear. Use water spray to cool exposed surfaces.

EXTINGUISHING MEDIA: Alcohol Foam, Carbon Dioxide, Dry Chemical, Foam, Water Fog

6. Accidental Release Measures

ENVIRONMENTAL MEASURES: No Information

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Use personal protective equipment as necessary. In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations. Scrape up dried material and place into containers.

7. Handling and Storage

HANDLING: KEEP OUT OF REACH OF CHILDREN! DO NOT TAKE INTERNALLY. Use only with adequate ventilation. Ensure fresh air entry during application and drying. Wash thoroughly after handling.

STORAGE: Avoid excessive heat and freezing. Do not store at temperatures above 120 degrees F. Store away from caustics and oxidizers.

8. Exposure Controls/Personal Protection**Ingredients with Occupational Exposure Limits**

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
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Limestone	N.E.	N.E.	15 mg/m3 TWA total dust, 5 mg/m3 TWA respirable fraction	N.E.
Lubricating petroleum oil	N.E.	N.E.	N.E.	N.E.
Petroleum distillates	N.E.	N.E.	N.E.	N.E.
Dipropylene glycol dibenzoate	N.E.	N.E.	N.E.	N.E.
Solvent ref. light paraffinic	N.E.	N.E.	N.E.	N.E.
Diethylene glycol dibenzoate	N.E.	N.E.	N.E.	N.E.
Titanium dioxide	10 mg/m3 TWA	N.E.	15 mg/m3 TWA total dust	N.E.
Quartz	0.025 mg/m3 TWA respirable particulate matter	N.E.	50 µg/m3 TWA	N.E.
Carbon black	3 mg/m3 TWA inhalable particulate matter	N.E.	3.5 mg/m3 TWA	N.E.

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation
Sk = Skin Sensitizer N.E. = Not Established

Personal Protection



RESPIRATORY PROTECTION: No personal respiratory protective equipment normally required. National Institute for Occupational Safety and Health (NIOSH) has recommended that the permissible exposure limit be changed to 50 micrograms respirable free silica per cubic meter of air (0.05 mg/m3) as determined by a full shift sample up to 10-hour work shift.



SKIN PROTECTION: Rubber gloves.



EYE PROTECTION: Goggles or safety glasses with side shields.



OTHER PROTECTIVE EQUIPMENT: Not required under normal use.



HYGIENIC PRACTICES: Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

9. Physical and Chemical Properties

Appearance:	Colored	Physical State:	Paste
Odor:	Very Slight Ammonia	Odor Threshold:	Not Established
Density, g/cm3:	1.60 - 1.67	pH:	Between 7.0 and 12.0
Freeze Point, °C:	Not Established	Viscosity (mPa.s):	Not Established
Solubility in Water:	No Information	Partition Coeff., n-octanol/water:	Not Established
Decomposition Temperature, °C:	Not Established	Explosive Limits, %:	N.E. - N.E.
Boiling Range, °C:	100 - 100	Auto-Ignition Temperature, °C	Not Established
Minimum Flash Point, °C:	100	Vapor Pressure, mmHg:	Not Established
Evaporation Rate:	Slower Than n-Butyl Acetate	Flash Method:	Seta Closed Cup
Vapor Density:	Heavier Than Air	Flammability, NFPA:	Non-Flammable
Combustibility:	Does not support combustion		

(See "Other information" Section for abbreviation legend)
(If product is an aerosol, the flash point stated above is that of the propellant.)

10. Stability and Reactivity

STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: Excessive heat and freezing.

INCOMPATIBILITY: Incompatible with strong bases and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Normal decomposition products, i.e., COx, NOx.

11. Toxicological Information

EFFECT OF OVEREXPOSURE - INHALATION: Under normal use conditions, this product is not expected to cause adverse health effects. Inhalation of vapors in high concentration may cause mild irritation of respiratory system (nose, mouth, mucous membranes).

EFFECT OF OVEREXPOSURE - SKIN CONTACT: Under normal use conditions, this product is not expected to cause adverse health effects. Prolonged or repeated contact with skin may cause mild irritation.

EFFECT OF OVEREXPOSURE - EYE CONTACT: Under normal use conditions, this product is not expected to cause adverse health effects. Direct eye contact may cause irritation.

EFFECT OF OVEREXPOSURE - INGESTION: Under normal use conditions, this product is not expected to cause adverse health effects. Single dose oral toxicity is very low. Amounts ingested incidental to industrial handling are not likely to cause injury; however, ingestion of large amounts may cause injury.

CARCINOGENICITY: No Information

EFFECT OF OVEREXPOSURE - CHRONIC HAZARDS: Repeated or prolonged exposure may cause mild irritation of eyes and skin. The International Agency for Research on Cancer (IARC) has determined that crystalline silica in the form of quartz or cristobalite that is inhaled from occupational sources is carcinogenic to humans (Group 1- carcinogenic to humans). Refer to IARC Monograph 68, Silica, Some Silicates and Organic Fibres (published in June 1997) in conjunction with the use of these materials. The National Toxicology Program (NTP) classifies respirable crystalline silica as "known to be a human carcinogen". Refer to the 9th Report on Carcinogens (2000). The American Conference of Governmental Industrial Hygienists (ACGIH) classifies crystalline silica, quartz, as a suspected human carcinogen (Group A2). Breathing dust containing respirable crystalline silica may not cause noticeable injury or illness even though permanent lung damage may be occurring. Inhalation of dust may have the following serious chronic health effects: Excessive inhalation of respirable dust can cause pneumoconiosis, a respiratory disease, which can result in delayed, progressive, disabling and sometimes fatal lung injury. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function. Smoking exacerbates this disease. Individuals with pneumoconiosis are predisposed to develop tuberculosis. There is some evidence that breathing respirable crystalline silica or the disease silicosis is associated with an increased incidence of significant disease endpoints such as scleroderma (an immune system disorder manifested by fibrosis of the lungs, skin and other internal organs) and kidney disease.

PRIMARY ROUTE(S) OF ENTRY: Skin Contact, Inhalation

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
1317-65-3	Limestone	6450 mg/kg Rat	>2000 mg/kg	>20 mg/L
72623-86-0	Lubricating petroleum oil	>5000 mg/kg Rat	>2000 mg/kg Rabbit	N.I.
64741-88-4	Petroleum distillates	>5000 mg/kg Rat	>2000 mg/kg Rabbit	2.18 mg/L Rat
27138-31-4	Dipropylene glycol dibenzoate	5368 mg/kg Rat	>2000 mg/kg Rabbit	>200 mg/L Rat
64741-89-5	Solvent ref. light paraffinic	>15000 mg/kg Rat	>5000 mg/kg Rabbit	2.18 mg/L Rat
120-55-8	Diethylene glycol dibenzoate	2830 mg/kg Rat	2000 mg/kg Rabbit	>200 mg/L Rat
13463-67-7	Titanium dioxide	>10000 mg/kg Rat	>5000 mg/kg Rabbit	>20 mg/L
14808-60-7	Quartz	500 mg/kg Rat	>2000 mg/kg	>20 mg/L
1333-86-4	Carbon black	>15400 mg/kg Rat	N.I.	N.I.

N.I. = No Information

12. Ecological Information

ECOLOGICAL INFORMATION: Ecological injuries are not known or expected under normal use.

13. Disposal Information

DISPOSAL INFORMATION: This product does not meet the definition of a hazardous waste according to U.S. EPA Hazardous Waste Management Regulation, 40 CFR Section 261. Dispose as hazardous waste according to all local, state, federal and provincial regulations. State and Local regulations/restrictions are complex and may differ from Federal regulations. Responsibility for proper waste disposal is with the owner of the waste.

14. Transport Information

SPECIAL TRANSPORT PRECAUTIONS: No Information

DOT UN/NA Number: N.A.
DOT Proper Shipping Name: Not Regulated
DOT Technical Name: N.A.
DOT Hazard Class: N.A.
Hazard SubClass: N.A.
Packing Group: N.A.

15. Regulatory Information**SARA SECTION 313:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT:

All ingredients in this product are either on TSCA inventory list, or otherwise exempt.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(b) components exist in this product.

16. Other Information

Revision Date: 10/23/2018 Supersedes Date: 9/12/2018

Reason for revision: Substance and/or Product Properties Changed in Section(s):

05 - Flammability Information
09 - Physical & Chemical Information
11 - Toxicological Information
13 - Disposal Information
14 - Transportation Information

Datasheet produced by: Regulatory Department

HMIS Ratings:

Health:	Flammability:	Reactivity:	Personal Protection:
1	1	0	X

VOC Less Water Less Exempt Solvent, g/L: 37.5

VOC Material, g/L: 27

VOC as Defined by California Consumer Product Regulation, Wt/Wt%: 0.8

VOC Actual, Wt/Wt%: 1.6

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

H251	Self-heating: may catch fire.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H331	Toxic if inhaled.
H332	Harmful if inhaled.

Icons for GHS Pictograms shown in Section 3 describing each ingredient:

GHS02



GHS06



GHS07



Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

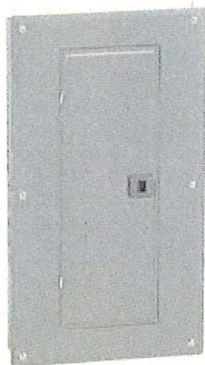
DAP believes the data and statements contained herein are accurate as of the date hereof. They are offered in good faith as typical values and not as a product specification. NO WARRANTY OF MERCHANTABILITY, WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE WITH REGARD TO THE INFORMATION HEREIN PROVIDED OR THE PRODUCT TO WHICH THE INFORMATION REFERS. Since this document is intended only as a guide to the appropriate use and precautionary handling of the referenced product by a properly trained person, it is therefore the responsibility of the user to (i) review the recommendations with due consideration for the specific context of the intended use and (ii) determine if they are appropriate.

Product data sheet

Characteristics

HOM2040L125PGC

Load center, Homeline, 1 phase, 20 spaces,
40 circuits, 125A convertible main lugs, PoN,
NEMA1, gnd bar, combo cover



Main

Product Type	Load Center
Marketing Trade Name	Homeline
Load Center Type	Main lugs
Rated Current	125 A
Number of Spaces	20
Number of Circuits	40
Enclosure Rating	NEMA 1 for indoor installation
Cover Type	Combination flush/surface cover
Electrical Connection	Lugs
Included Options	Grounding bar 1)

Complementary

Short Circuit Current Rating	10 kA
Number of Tandem Breakers	20
Number of Phases	1 phase
Rated Operational Voltage	120/240 V AC
Wire Size	AWG 6...AWG 2/0 aluminium AWG 6...AWG 1/0 copper
Wiring Configuration	3-wire
Cover Finish	Gray baked enamel
Busbar Material	Tin plated aluminium busbar
Enclosure Material	Welded sheet steel
Surface Finish	Baked enamel Gray
Box Number	8
Height	26.02 in (661 mm)
Width	14.25 in (362 mm)
Depth	3.74 in (95 mm)

Environment

Ambiant Air Temperature for Operation	23 °F (-5 °C) 104 °F (40 °C)
Product Certifications	UL E-6294

Ordering and shipping details

Category	00045 - HOM LC&CVR,12-42 CKT,NEMA1
Discount Schedule	DE3C
GTIN	00785901848523
Nbr. of units in pkg.	1
Package weight(Lbs)	23.9 lb(US) (10.84 kg)
Returnability	Yes
Country of origin	US

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Packing Units

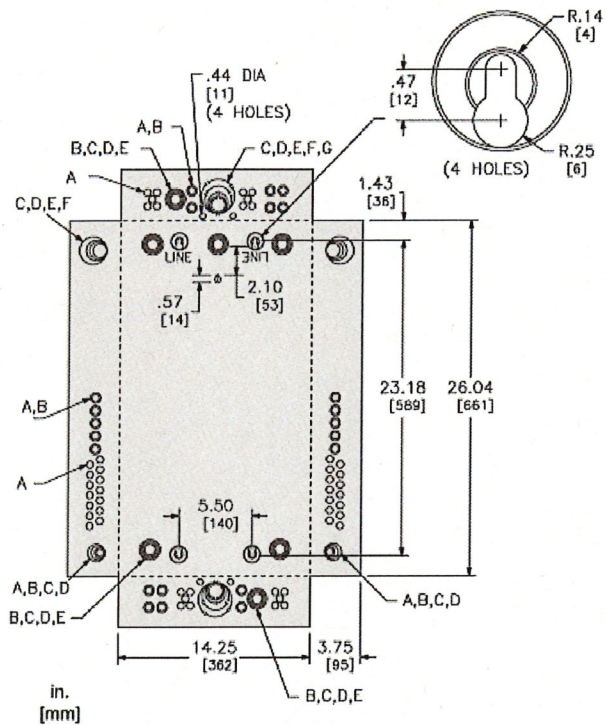
Unit Type of Package 1	PCE
Package 1 Height	5.50 in (13.97 cm)
Package 1 width	16.20 in (41.148 cm)
Package 1 Length	29.00 in (73.66 cm)
Package 2 Weight	455.00 lb(US) (206.384 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile

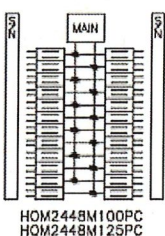
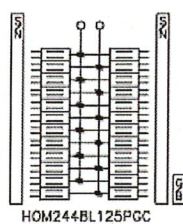
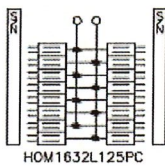
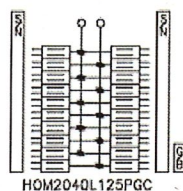
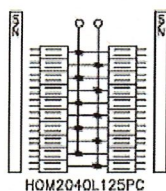
HOM2040L125PGC

Approximate Dimensions



KNOCKOUTS							
SYMBOL	A	B	C	D	E	F	G
IN	.50	.75	1.00	1.25	1.50	2.00	2.50
MM	13	19	25	32	38	51	64

Connections and Wiring Diagrams





EcoTouch® PINK® FIBERGLAS™ Insulation

Manufacturers Fact Sheet

This fact sheet contains important details about Owens Corning's™ EcoTouch® PINK® FIBERGLAS™ Insulation. Read it carefully. The chart below covers the entire line of EcoTouch® products sold under the names Thermal Batt, FastBatt, Cathedral Batt, Basement Blanket™, Sound Attenuation Batt (SAB) and Sonobatts®. The chart includes all products, both unfaced and faced with Kraft paper, foil, polyethylene ("Poly"), FSK or PSK.

EcoTouch® PINK® FIBERGLAS™ Insulation

R-value	Thickness (inches)	Width (inches)	Length (inches)	Piece Sq. Ft.	Pieces/ Package	Package Sq. Ft.
8	2.5	16	96	10.7	20	213.3
8	2.5	24	96	16.0	20	320.0
11	3.5	15	93	9.7	16	155.0
11	3.5	15	94	9.8	9	88.1
11	3.5	15	105	10.9	16	175.0
11	3.5	16	96	10.7	16	170.7
11	3.5	23	93	14.9	16	237.7
11	3.5	23	96	15.3	16	245.3
11	3.5	24	48	8.0	32	256.0
11	3.5	24	96	16.0	16	256.0
11	3.5	48	720	240.0	1	240.0
13	3.5	11	93	7.1	22	156.3
13	3.5	15	93	9.7	10	96.9
13	3.5	15	93	9.7	11	106.6
13	3.5	15	93	9.7	13	125.9
13	3.5	15	105	10.9	12	131.3
13	3.5	15	94	9.8	9	88.1
13	3.5	15.25	93	9.8	12	118.2
13	3.5	15.25	93	9.8	13	128.0
13	3.5	15.25	105	11.1	12	133.4
13	3.5	16	96	10.7	11	117.3
13	3.5	16	96	10.7	13	138.7
13	3.5	19.25	93	12.4	11	136.8

Read This Before You Buy

What you should know about R-Values

The chart shows the R-values of this insulation. R means resistance to heat flow. The higher the R-value, the greater the insulating power. Compare insulation R-values before you buy.

There are other factors to consider. The amount of insulation you need depends mainly on the climate you live in. Also, your fuel savings from insulation will depend on the climate, the type and size of house, the amount of insulation already in your house, and your fuel-use patterns and family size. If you buy too much insulation, it will cost you more than what you'll save on fuel.

To get the marked R-value, it is essential that this insulation be installed properly.

EcoTouch® PINK® FIBERGLAS™ Insulation

R-value	Thickness (inches)	Width (inches)	Length (inches)	Piece Sq. Ft.	Pieces/ Package	Package Sq. Ft.
13	3.5	23	93	14.9	11	163.4
13	3.5	24	48	8.0	24	192.0
13	3.5	24	96	16.0	11	176.0
13	3.5	24	96	16.0	12	192.0
13	3.5	48	480	160.0	1	160.0
15	3.5	11	93	7.1	14	99.5
15	3.5	15	93	9.7	7	67.8
15	3.5	15	93	9.7	8	77.5
15	3.5	15	105	10.9	7	76.6
15	3.5	15	105	10.9	8	87.5
15	3.5	16	96	10.7	7	74.7
15	3.5	16	96	10.7	8	85.3
15	3.5	23	93	14.9	7	104.0
15	3.5	24	96	16.0	7	112.0
19	6.25	11	93	7.1	16	113.7
19	6.25	15	48	5.0	16	80.0
19	6.25	15	93	9.7	8	77.5
19	6.25	15	94	9.8	5	49.0
19	6.25	15	105	10.9	8	87.5
19	6.25	15	470	49.0	1	49.0
19	6.25	15.25	93	9.8	8	78.8
19	6.25	15.25	105	11.1	8	89.0
19	6.25	16	48	5.3	16	85.3
19	6.25	16	96	10.7	8	85.3
19	6.25	19.25	48	6.4	16	102.7
19	6.25	19.25	93	12.4	8	99.5
19	6.25	19.25	96	12.8	8	102.7
19	6.25	23	48	7.7	16	122.7
19	6.25	23	93	14.9	8	118.8
19	6.25	23	94	15.0	5	75.1
19	6.25	23	96	15.3	8	122.7
19	6.25	23	470	75.1	1	75.1
19	6.25	24	48	8.0	16	128.0
19	6.25	24	96	16.0	8	128.0
19	6.25	48	470	156.7	1	156.7
19	6.25	48	480	160.0	1	160.0
21	5.5	15	93	9.7	7	67.8
21	5.5	15	93	9.7	8	77.5
21	5.5	15	105	10.9	8	87.5
21	5.5	16	96	10.7	7	74.7
21	5.5	23	93	14.9	6	89.1
21	5.5	24	96	16.0	7	112.0
22	6.75	15	48	5.0	14	70.0



INNOVATIONS FOR LIVING®

EcoTouch® PINK® FIBERGLAS™ Insulation

Manufacturers Fact Sheet

EcoTouch® PINK® FIBERGLAS™ Insulation

R-value	Thickness (inches)	Width (inches)	Length (inches)	Piece Sq. Ft.	Pieces/ Package	Package Sq. Ft.
22	6.75	23	48	7.7	14	107.3
22	6.75	24	48	8.0	14	112.0
25	8	19.25	96	12.8	6	77.0
25	8	23	96	15.3	6	92.0
25	8	16	96	10.7	6	64.0
25	8	16	48	5.3	12	64.0
25	8	24	96	16.0	6	96.0
30	9.5	12	48	4.0	20	80.0
30	9.5	15	48	5.0	10	50.0
30	9.5	15	300	31.3	1	31.3
30	9.5	16	48	5.3	10	53.3
30	9.5	16	48	5.3	11	58.7
30	9.5	19.25	48	6.4	10	64.2
30	9.5	23	300	47.9	1	47.9
30	9.5	24	48	8.0	10	80.0
30	9.5	24	48	8.0	11	88.0
30	8.25	15.5	48	5.2	11	56.8
30	8.25	23.75	45	7.4	10	74.2
30	8.25	23.75	48	7.9	10	79.2
38	12	16	48	5.3	8	42.7
38	12	19.25	48	6.4	8	51.3
38	12	24	48	8.0	8	64.0
38	10.25	15.5	48	5.2	8	41.3
38	10.25	23.75	48	7.9	8	63.3

Please contact 419-248-6557 for additional information. Email: gettech@owenscorning.com

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INNOVATIONS FOR LIVING®

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ONE OWENS CORNING PARKWAY
TOLEDO, OHIO, USA 43659

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www.owenscorning.com

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Single Pole Wide View Motion Activated Light Control

Cat. Nos. DOS02, DVS02 - INDOOR USE ONLY

Ratings: 120VAC, 60Hz 250 W Incandescent/Halogen, 2 A Resistive, 150W LED and CFL, 250 VA ELV, 200VA MLV

LEVITON®

WARNINGS:

- TO AVOID FIRE, SHOCK OR DEATH: TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT THE POWER IS OFF BEFORE WIRING!
- TO AVOID PERSONAL INJURY OR PROPERTY DAMAGE, DO NOT install to control a receptacle, or a load in excess of the specified rating.
- To be installed and/or used in accordance with electrical codes and regulations.
- If you are not sure about any part of these instructions, consult an electrician.

CAUTIONS:

- To avoid damage to the product, DO NOT use disinfecting products, including foggers, sprays or other types of atomized cleaning agents.
- DO NOT spray liquid onto the product.
- To clean use a damp cloth with mild soap.
- No user serviceable components. DO NOT attempt to service or repair.
- Use this device WITH COPPER OR COPPER CLAD WIRE ONLY.

PK-A3345-10-00-2B

INSTALLATION INSTRUCTIONS

ENGLISH

Features

- Cat. Nos. DOS02 and DVS02 have a sensing angle of 180° and a sensing area of coverage of 30 x 30 ft. See coverage diagram for details.
- Adjustable ambient light (DOS02 only), time delay and area of coverage controls. See adjustment setting section for details.
- Indicator light alerts the user of device status.
- Adjustable time delay setting for 1, 5, 10 and 20 minutes plus a test mode with 5 seconds on. A Temporary Bypass mode that disables the Auto-on feature is available only for DOS02.
- With Zero Cross turn-ON technology to extend the life of the switching relays.
- Color change kits are available in white, light almond, ivory, black, brown, and gray.
- Also available with larger loads, 3-way (cat. nos. DOS05/DVS05) and multi-way or multi-sensor (cat. nos. DOS15/DVS15)

Mounting Location

- The device responds to temperature changes and care should be taken when mounting the device.
- DO NOT mount directly above a heat source, in a location where hot or cold drafts will blow directly on the sensor, or where unintended motion (e.g., hallway traffic) will be within sensor's field-of-view.

You Will Need

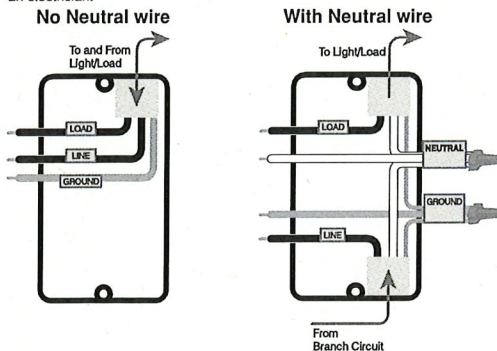
- Slotted/Phillips screwdriver
- Electrical tape
- Cutters
- Pliers

Installation

WARNING: TO AVOID FIRE, SHOCK OR DEATH, turn off power at circuit breaker or fuse and test that the power is off before wiring.

1. Identify your wires (most common):

NOTE: Neutral wire (if present), or a Ground wire is required for operation. If the wiring in the wall box does not resemble this configuration, consult an electrician.

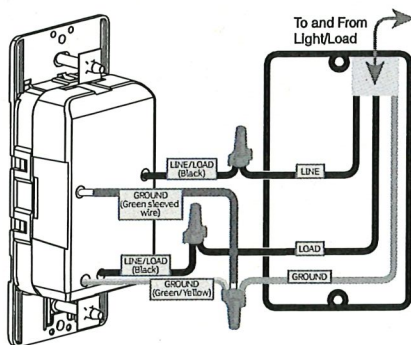


2a. Wire (when Neutral is NOT present).

Working on one connection at a time, connect wires as shown.

NOTES:

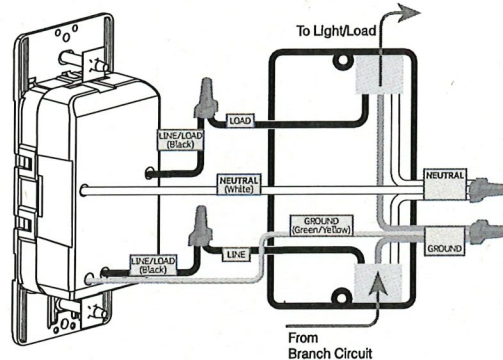
- This device is designed so the Line and Load wires can be wired interchangeably.
- Both GREEN wires need to be connected to Ground.



2b. Wire (when Neutral is present).

Remove the Green sleeve from the White wire. Working on one connection at a time, connect wires as shown.

NOTE: This device is designed so the line and load wires can be wired interchangeably.



3. Test and mount.

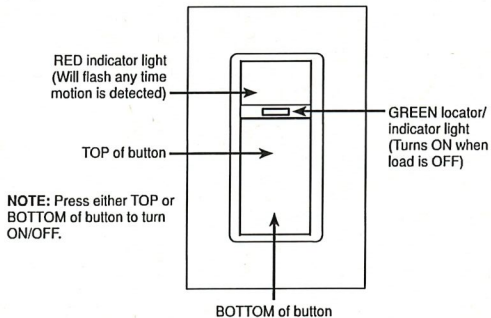
- Restore power. Wait 10-20 seconds for sensor to power up.
- Lights will turn ON when push pad is pressed. For cat. no. DOS02, the lights will also turn ON with any motion event after the warm-up period.

NOTE: If lights do not turn ON, refer to the "What to do if..." section.

Turn off power at circuit breaker before completing the installation.

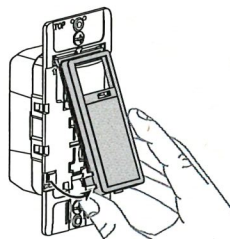
- Gently push wires into wall box. Screw light control to box.
- Install wallplate.
- Restore power.

Operation

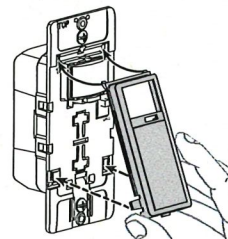


Changing your device color

Remove



Replace

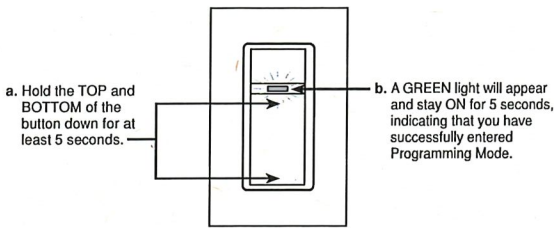


Available in White (W), Light Almond (T), Ivory (I), Brown (B), Black (E), Grey (G), (DOSKT-1Lx)

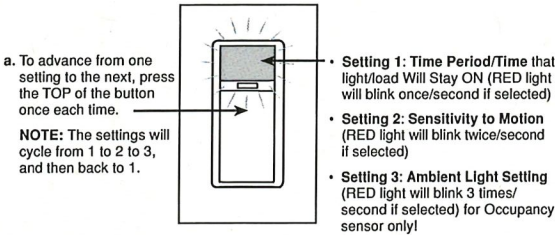
WEB VERSION

Programming

1. Enter Programming Mode. Make sure the load is ON.

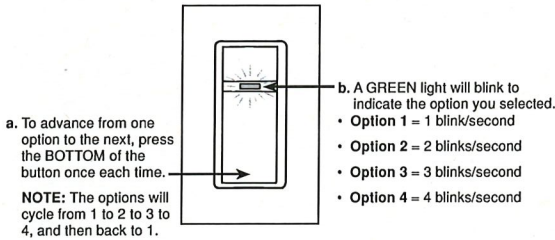


2. Select each setting you wish to change, one at a time, to program the option desired (see table below).

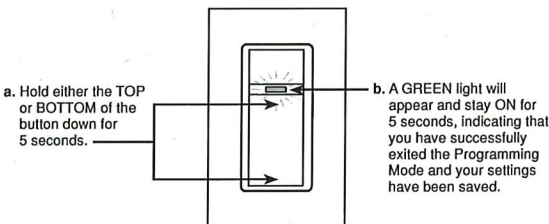


NOTE: Once you enter Programming Mode, multiple settings can be changed before saving and exiting.

3. Change the option within each setting (see the table below for the options). NOTE: The default option for each setting is listed in the table in bold.



4. Save your settings and exit the Programming Mode.



NOTES:

- After 30 seconds of inactivity, the device will automatically exit Programming Mode and setting changes will not be saved.
- When you enter Programming Mode again, you will start at the Timer setting, in the last saved option row (default is Option 3: 10 minutes).

Setting Types and Options (defaults are in bold)			
	Setting 1	Setting 2	Setting 3
Option Number	TIMER (Duration of time for which load is ON since last detected motion)	SENSITIVITY (Sensitivity to motion - adjusting the major and minor detection range.)	DOS02 only - AMBIENT LIGHT (If the room is brighter than the setting selected, the load will not turn ON.)
Option 1 (1 blink)	1 minute	Low (50% Range)	Low Light level
Option 2 (2 blinks)	5 minutes	Medium	Medium Light level
Option 3 (3 blinks)	10 minutes	High	High/Brightest light level
Option 4 (4 blinks)	20 minutes	All settings to default	Disabled - turns ON for all light levels

Test Mode

- To test that your device is working properly, hold the TOP of the button down for 5 seconds. A RED light will blink once every 2 seconds.
- Walk around in any area to be tested. During Test Mode, every motion detected will trigger the load for 5 seconds.
- Exit Test Mode by pressing either the TOP or BOTTOM of the button. The Test Mode will also time-out after 2 minutes.

The locator LED function is disabled while in Test Mode.

Temporary Disable

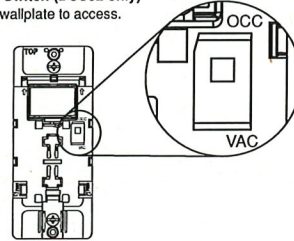
- To temporarily disable the light or load from turning on, press and hold the bottom of the button for 5 seconds.
- The sensor will ignore motion keeping the light/load off. GREEN light will double flash every 2 seconds during this mode.
- Exit by pressing either the top or bottom of the button.

When to use Occupancy or Vacancy				
Programming Mode	When to use this setting	Amount of Ambient Light Present	Turns light ON when...	Light turns OFF when...
Occupancy (DOS02 only)	When automatic ON/OFF lighting control is desired.	1. Low - Light will turn ON automatically if room is darkest. 2. Medium - Light will turn ON automatically if room has more light. 3. High - Light will turn ON automatically if room has the most light 4. Disabled - Light will turn ON always.	User walks into the view of the sensor when the light is OFF and it is darker than the ambient light level set. OR TOP or BOTTOM of button is pushed.	No motion is detected for the duration of the programmed time period. OR TOP or BOTTOM of button is pushed.
Vacancy	When Manual ON, Automatic OFF lighting control is desired.	N/A	TOP or BOTTOM of button is pushed. OR User moves around within 30 secs of the light turning OFF.	TOP or BOTTOM of button is pushed. OR No motion is detected for the duration of the programmed time period.

NOTE: When pressing the button to turn the light OFF manually, the sensor will ignore motion for 30 seconds to allow user to exit the room (without re-triggering the light).

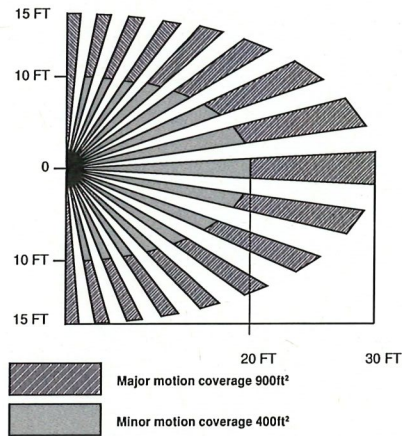
Occupancy/Vacancy Switch (DOS02 only)

Remove color kit and wallplate to access.

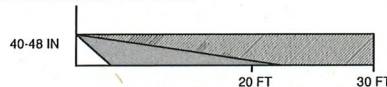


Sensing Area Coverage

1. Horizontal field of view:



2. Vertical field of view:



What to do if...	
Issue	Make this adjustment
Lights do not operate with push pad and RED indicator does not blink when motion is present.	<ul style="list-style-type: none"> Verify wiring connections to sensor. Make sure that control is installed correctly. Make sure the power is ON. Check to make sure the light bulb is functional.
Lights do not switch ON when motion is detected (DOS02).	<ul style="list-style-type: none"> Motion is beyond sensing range - move closer to switch. Adjust the ambient light level lower (Option 3, 2, 1 or disabled). The RED light will blink to indicate motion. If it is blinking and the load is not turning ON, it could be due to ambient light. Check to make sure that the Occ-Vac switch is in OCC position.
Lights always stay ON	<ul style="list-style-type: none"> Check time delay settings and compare to how long the lights stay ON. Make sure no motion occurs in coverage area for time selected by covering the lens. Check that switch is not installed near a heat source (like stove, lights, heat vents) or detecting motion from an adjacent area (like hallway traffic) and if it is, relocate it.

Scan this code with your cell phone camera to watch a video on how to program the settings on the Leviton Decora Motion Sensor light switch.



Patents covering this product, if any, can be found on www.leviton.com/patents.

Leviton, the Leviton logo and Decora are the registered trademarks of Leviton Mfg. Co., Inc.

FCC AND INDUSTRY CANADA COMPLIANCE STATEMENT: This device complies with Part 15 of the FCC Rules and ISM License-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. To comply with FCC/ISED RF exposure limits for general population / uncontrolled exposure, the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter different from that to which the receiver is connected.

FCC CAUTION: Any changes or modifications not expressly approved by Leviton Manufacturing Co., Inc. could void the user's authority to operate the equipment.

FOR CANADA ONLY

For warranty information and/or product returns, residents of Canada should contact Leviton in writing at Leviton Manufacturing of Canada Ltd to the attention of the Quality Assurance Department, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9 or by telephone at 1-800-405-5320.

LIMITED 5 YEAR WARRANTY For Leviton's limited product warranty, go to www.leviton.com. For a printed copy of the warranty, call 1-800-824-3005.

For Technical Assistance Call: 1-800-824-3005 (USA Only) or 1-800-405-5320 (Canada Only) www.leviton.com



Specifications— Sanded AC & BC Plywood

Plytanium® sanded AC and BC plywood panels are suitable for interior and exterior applications including do-it-yourself projects, cabinets, shelving, furniture, porch ceilings, soffits and flooring underlayment.

Available Types & Sizes (Sized for 4' x 8')

Length (Minimum)	7'-11 $\frac{7}{8}$ " (2.435 m)
Width (Minimum)	3'-11 $\frac{7}{8}$ " (1.216 m)

Building Code Performance Categories, Panel Thickness

- 1/4 CAT, 0.234" (5.94 mm)
- 11/32 CAT, 0.328" (8.33 mm)
- 15/32 CAT, 0.453" (11.50 mm)
- 19/32 CAT, 0.578" (14.68 mm)
- 23/32 CAT, 0.703" (17.85 mm)

Specifications

Length/Width Tolerance	+0, -1/16" (+0, -1.6 mm), based on 4' or 8' value
Straightness Tolerance	±1/16" (±1.6 mm)
Squareness Tolerance	±1/8" (±3.2 mm)
Primary Species	Southern Yellow Pine
Testing Agency	APA®-The Engineered Wood Association
Classification	Exterior – Plywood suitable for repeated wetting and redrying or long-term exposure to weather and other conditions of similar severity.
Code Fire Classification	Class III or C
Flame Spread Rating	75-200, smoke-developed index <450
Building Code Compliance	PS 1-09

Other Information

Forestry Certification	Plytanium siding panels are made from Sustainable Forestry Initiative® (SFI®) certified responsible wood sources.
Green Building Programs	See our Plytanium plywood Green Certification Points sheet at www.builditbetter.com for more information on potential point contributions towards specific green building programs.
NGBS Green Certified	Plytanium plywood is Home Innovation NGBS Green Certified for Resource Efficiency and Indoor Environmental Quality. Please visit Homeinnovation.com/Green for more information.
International Shipping	To prevent the introduction and spread of plant pests, ISPM 15: International Standards for Phytosanitary Measures, requires that internationally shipped solid wood pallets be debarked, treated with heat or fumigated with methyl bromide, and marked with a seal of compliance. Pallets made with engineered wood, including Plytanium plywood, are exempt from ISPM 15 regulations. This is because the process of manufacturing engineered wood destroys any live organisms in the wood. (Source: "Boxes, Crate and Reel Manufacturing", PerformancePanels.com)





Specifications— Sanded AC & BC Plywood

Formaldehyde Emission

Plytanium sanded plywood panels contain no added urea formaldehyde resins. Emission levels for certified PS 1 structural panels are exempt by the California Air Resources Board (CARB) in the Composite Wood Air Toxic Control Measure (ATCM) and phenolic bonded structural panels are exempt from testing or monitoring by HUD in the Manufactured Home Construction and Safety Standards.

Manufacturing Locations

Location	APA Mill Number	Zip Code	Harvest Radius
Camden, TX	515	75934	90 miles
Corrigan, TX	516	75939	90 miles
Dudley, NC	348	28333	80 miles
Emporia, VA	230	23847	40 miles
Gurdon, AR	517	71743	60 miles
Madison, GA	404	30650	100 miles
Prosperity, SC	329	29127	80 miles
Taylorsville, MS	282	39168	50 miles

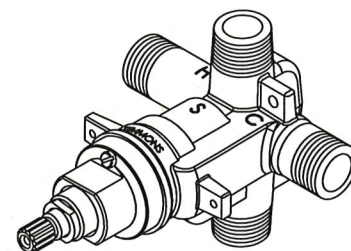


Georgia-Pacific Wood Products
133 Peachtree St., N.E.
Atlanta, GA 30303
800-284-5347 www.builditbetter.com

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PRESSURE BALANCING TUB/SHOWER VALVE BODY SPECIFICATION SUBMITTAL



MODEL NUMBERS

- ☐ **262BODY**
Pressure Balancing tub/shower valve body
- ☐ **162BODY**
Pressure Balancing tub/shower valve body with pressure testing cap

FEATURE HIGHLIGHTS

- Brass, bronze and stainless steel construction
- Pressure balancing mixing valve to maintain safe shower temperature
- Adjustable stop screw to control maximum hot water temperature to valve
- 4 port valve body in common plane
- Inlets: 1/2" IPS and 1/2" sweat
- Outlets: 1/2" IPS and 1/2" sweat
- Accommodates back to back installations
- Accommodates thin wall installations
- Stringer mounts included

OPTIONS/MODIFICATIONS

- ☐ **-BR** Mounting bracket
- ☐ **-RV** Reverse seat for back to back installations

INLET/OUTLET ADAPTERS

- ☐ **-CP** CPVC fittings
- ☐ **-P1** PEX crimp fittings
- ☐ **-P2** PEX expansion fittings

COMPLIANCE

- ASME A112.18.1/CSA B125.1
- ASSE 1016
- Buy American Act Compliant

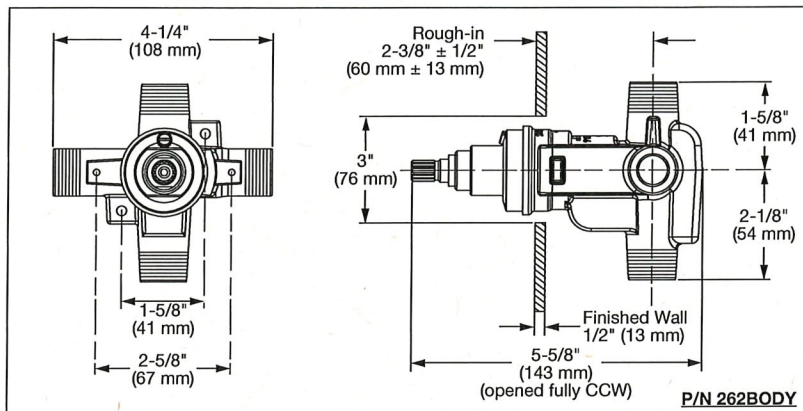


WARRANTY

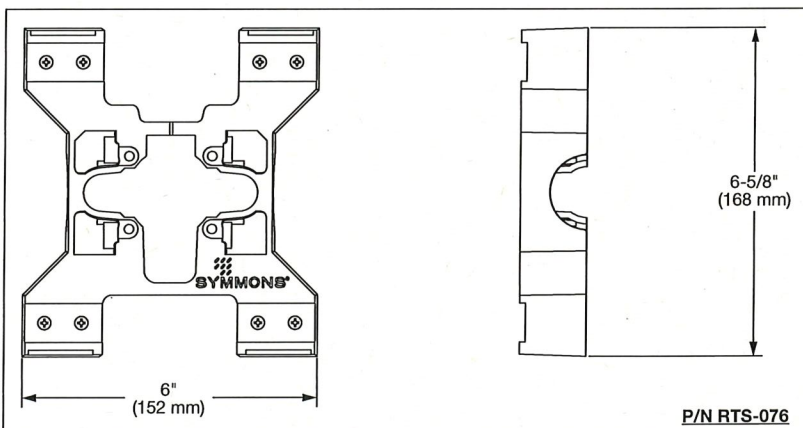
Limited Lifetime - to the original end purchaser in consumer installations.

5 Years - for commercial installations.

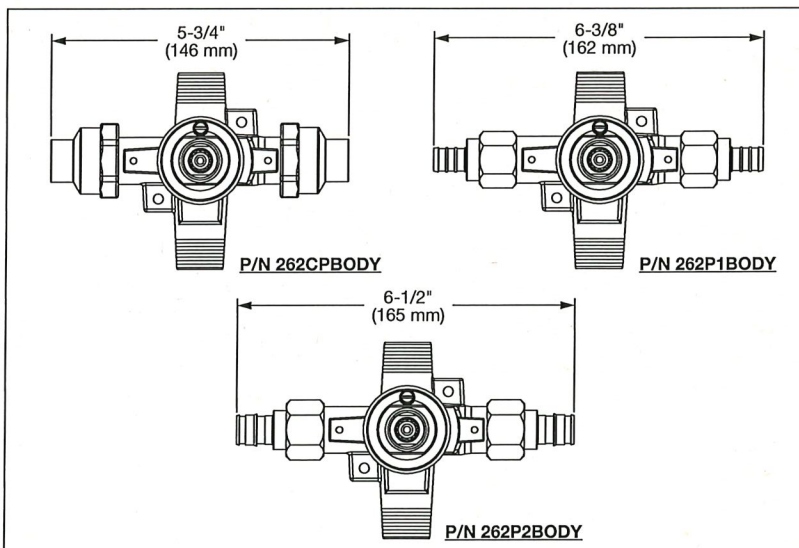
Refer to www.symmons.com/warranty for complete warranty information.



P/N 262BODY



P/N RTS-076



P/N 262CPBODY

P/N 262P1BODY

P/N 262P2BODY



SAFETY DATA SHEET

1. Identification

Product identifier	Oatey Purple Primer- NSF Listed for PVC and CPVC
Other means of identification	
Product code	1402E
Synonyms	Part Numbers: 30755(TV), 30756(TV), 30757(TV), 30758, 30759, 30927
Recommended use	Joining PVC Pipes
Recommended restrictions	None known.
Manufacturer/Importer/Supplier/Distributor information	
Company Name	Oatey Co.
Address	4700 West 160th St. Cleveland, OH 44135
Telephone	216-267-7100
E-mail	info@oatey.com
Transport Emergency	Chemtrec 1-800-424-9300 (Outside the US 1-703-527-3887)
Emergency First Aid	1-877-740-5015
Contact person	MSDS Coordinator

2. Hazard(s) identification

Physical hazards	Flammable liquids	Category 2
Health hazards	Acute toxicity, oral	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Aspiration hazard	Category 1
OSHA defined hazards	Not classified.	

Label elements



Signal word Danger

Hazard statement Highly flammable liquid and vapor. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness.

Precautionary statement

Prevention Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response If swallowed: Immediately call a poison center/doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.

Storage	Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. May form explosive peroxides. Contains a chemical classified by the US EPA as a suspected possible carcinogen.
Supplemental information	Not applicable.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Acetone	67-64-1	25-40
Cyclohexanone	108-94-1	25-40
Furan, Tetrahydro-	109-99-9	15-30
Methyl ethyl ketone	78-93-3	15-30

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Take off immediately all contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Call a physician or poison control center immediately. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Aspiration may cause pulmonary edema and pneumonitis.
Most important symptoms/effects, acute and delayed	Irritation of nose and throat. Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Highly flammable liquid and vapor. This product contains tetrahydrofuran that may form explosive organic peroxide when exposed to air or light or with age.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

Environmental precautions

7. Handling and storage

Precautions for safe handling

Vapors may form explosive mixtures with air. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Acetone (CAS 67-64-1)	PEL	2400 mg/m ³ 1000 ppm
Cyclohexanone (CAS 108-94-1)	PEL	200 mg/m ³ 50 ppm
Furan, Tetrahydro- (CAS 109-99-9)	PEL	590 mg/m ³ 200 ppm
Methyl ethyl ketone (CAS 78-93-3)	PEL	590 mg/m ³ 200 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	750 ppm
	TWA	500 ppm
Cyclohexanone (CAS 108-94-1)	STEL	50 ppm
	TWA	20 ppm
Furan, Tetrahydro- (CAS 109-99-9)	STEL	100 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
Methyl ethyl ketone (CAS 78-93-3)	TWA	50 ppm
	STEL	300 ppm
	TWA	200 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	590 mg/m3
		250 ppm
Cyclohexanone (CAS 108-94-1)	TWA	100 mg/m3
		25 ppm
Furan, Tetrahydro- (CAS 109-99-9)	STEL	735 mg/m3
		250 ppm
Methyl ethyl ketone (CAS 78-93-3)	TWA	590 mg/m3
		200 ppm
	STEL	885 mg/m3
		300 ppm
	TWA	590 mg/m3
		200 ppm

Biological limit values**ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	50 mg/l	Acetone	Urine	*
Cyclohexanone (CAS 108-94-1)	80 mg/l	1,2-Cyclohexanediol, with hydrolysis	Urine	*
	8 mg/l	Cyclohexanol, with hydrolysis	Urine	*
Furan, Tetrahydro- (CAS 109-99-9)	2 mg/l	Tetrahydrofuran	Urine	*
Methyl ethyl ketone (CAS 78-93-3)	2 mg/l	MEK	Urine	*

* - For sampling details, please see the source document.

Exposure guidelines**US - California OELs: Skin designation**

Cyclohexanone (CAS 108-94-1)

Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

Cyclohexanone (CAS 108-94-1)

Skin designation applies.

US - Tennessee OELs: Skin designation

Cyclohexanone (CAS 108-94-1)

Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Cyclohexanone (CAS 108-94-1)

Can be absorbed through the skin.

Furan, Tetrahydro- (CAS 109-99-9)

Can be absorbed through the skin.

US. NIOSH: Pocket Guide to Chemical Hazards

Cyclohexanone (CAS 108-94-1)

Can be absorbed through the skin.

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Face shield is recommended. Wear safety glasses with side shields (or goggles).

Skin protection	
Hand protection	Wear appropriate chemical resistant gloves.
Other	Wear appropriate chemical resistant clothing.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Translucent liquid.
Color	Purple
Odor	Solvent.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	151 °F (66.11 °C)
Flash point	14.0 - 23.0 °F (-10.0 - -5.0 °C)
Evaporation rate	5.5 - 8
Flammability (solid, gas)	Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)	1.8
Flammability limit - upper (%)	11.8
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	145 mm Hg @ 20 C
Vapor density	2.5
Relative density	0.84 +/- 0.02 @20°C
Solubility(ies)	
Solubility (water)	Negligible
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Bulk density	7 lb/gal
VOC (Weight %)	< 550 g/l SQACMD Method 24

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Acids. Strong oxidizing agents. Ammonia. Amines. Isocyanates. Caustics.

Hazardous decomposition products

No hazardous decomposition products are known.

11. Toxicological information**Information on likely routes of exposure**

Inhalation	May be fatal if swallowed and enters airways. Headache. Nausea, vomiting. May cause irritation to the respiratory system. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	May be fatal if swallowed and enters airways. Harmful if swallowed. Harmful if swallowed. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics

Irritation of nose and throat. Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways. Narcotic effects. May cause respiratory irritation.

Components	Species	Test Results
Acetone (CAS 67-64-1)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	20 ml/kg
<i>Inhalation</i>		
LC50	Rat	50 mg/l, 8 Hours
<i>Oral</i>		
LD50	Rat	5800 mg/kg
Cyclohexanone (CAS 108-94-1)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	948 mg/kg
<i>Inhalation</i>		
LC50	Rat	8000 ppm, 4 hours
<i>Oral</i>		
LD50	Rat	1540 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity In 2012 USEPA Integrated Risk Information System (IRIS) reviewed a two species inhalation lifetime study on THF conducted by NTP (1998). Male rats developed renal tumors and female mice developed liver tumors while neither the female rats nor the male mice showed similar results. Because the carcinogenic mechanisms could not be identified clearly in either species for either tumor, the EPA determined that the male rat and female mouse findings are relevant to the assessment of carcinogenic potential in humans. Therefore, the IRIS review concludes that these data in aggregate indicate that there is "suggestive evidence of carcinogenic potential" following exposure to THF by all routes of exposure.

IARC Monographs. Overall Evaluation of Carcinogenicity

Cyclohexanone (CAS 108-94-1)

3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Narcotic effects. May cause drowsiness and dizziness. Respiratory tract irritation.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	May be fatal if swallowed and enters airways.
Chronic effects	Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
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Components	Species	Test Results
Acetone (CAS 67-64-1)		
Aquatic		
Fish	LC50	Fathead minnow (Pimephales promelas) > 100 mg/l, 96 hours
Cyclohexanone (CAS 108-94-1)		
Aquatic		
Fish	LC50	Fathead minnow (Pimephales promelas) 481 - 578 mg/l, 96 hours

* Estimates for product may be based on additional component data not shown.

Persistence and degradability	No data is available on the degradability of this product.
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Bioaccumulative potential	No data available.
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Partition coefficient n-octanol / water (log Kow)

Acetone (CAS 67-64-1)	-0.24
Cyclohexanone (CAS 108-94-1)	0.81
Furan, Tetrahydro- (CAS 109-99-9)	0.46
Methyl ethyl ketone (CAS 78-93-3)	0.29

Mobility in soil	No data available.
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Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.
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13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

UN number	UN1993
UN proper shipping name	Flammable liquids, n.o.s. (Methyl ethyl ketone RQ = 26274 LBS, Acetone RQ = 13130 LBS)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	II

Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	IB2, T7, TP1, TP8, TP28
Packaging exceptions	150
Packaging non bulk	202
Packaging bulk	242

IATA

UN number	UN1993
UN proper shipping name	Flammable liquid, n.o.s. (Methyl ethyl ketone, Acetone)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	II
Environmental hazards	No.
ERG Code	3H
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	UN1993
UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (Methyl ethyl ketone, Acetone)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	II
Environmental hazards	
Marine pollutant	No.
EmS	F-E, S-E
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Acetone (CAS 67-64-1)	LISTED
Cyclohexanone (CAS 108-94-1)	LISTED
Furan, Tetrahydro- (CAS 109-99-9)	LISTED
Methyl ethyl ketone (CAS 78-93-3)	LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes
	Delayed Hazard - No
	Fire Hazard - Yes
	Pressure Hazard - No
	Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Acetone (CAS 67-64-1) 6532

Methyl ethyl ketone (CAS 78-93-3) 6714

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Acetone (CAS 67-64-1) 35 %WV

Methyl ethyl ketone (CAS 78-93-3) 35 %WV

DEA Exempt Chemical Mixtures Code Number

Acetone (CAS 67-64-1) 6532

Methyl ethyl ketone (CAS 78-93-3) 6714

US state regulations

US. Massachusetts RTK - Substance List

Acetone (CAS 67-64-1)

Cyclohexanone (CAS 108-94-1)

Furan, Tetrahydro- (CAS 109-99-9)

Methyl ethyl ketone (CAS 78-93-3)

US. New Jersey Worker and Community Right-to-Know Act

Acetone (CAS 67-64-1)

Cyclohexanone (CAS 108-94-1)

Furan, Tetrahydro- (CAS 109-99-9)

Methyl ethyl ketone (CAS 78-93-3)

US. Pennsylvania Worker and Community Right-to-Know Law

Acetone (CAS 67-64-1)

Cyclohexanone (CAS 108-94-1)

Furan, Tetrahydro- (CAS 109-99-9)

Methyl ethyl ketone (CAS 78-93-3)

US. Rhode Island RTK

Acetone (CAS 67-64-1)

Cyclohexanone (CAS 108-94-1)

Furan, Tetrahydro- (CAS 109-99-9)

Methyl ethyl ketone (CAS 78-93-3)

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	27-May-2015
Revision date	-
Version #	01
HMIS® ratings	Health: 2 Flammability: 3 Physical hazard: 0

NFPA ratings**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available. Oatey Co. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.



#9 x 3-1/8 in. Star Drive Bugle Head Multi-Purpose Framing Screw Extended Contractor Pack (720-Piece)
by GRK Fasteners ★★★★★ (1161)

\$70⁴⁰ /box
Save \$2.18 (3%)

Product Details

Specifications

Questions & Answers

Customer Reviews

Product Details

Specifications

Dimensions

Screw Length	3-1/8 in	Thread Pitch (mm)	2.0 mm
Threads Per Inch (TPI)	12.7		

Details

Color Family	Yellow	Drive Style	Star
Fastener Plating	Polymer	Fastener Type	Wood Screw
Fastener/Connector Material	Steel	Features	ACQ Rated, Coated, Self Drilling, Self Tapping
Finish	Climatek Coated	Finish Family	Metallic
Head Style	Bugle Head	Included	Driver Bit
Interior/Exterior	Exterior, Interior	Materials Fastened	Wood to Wood
Measurement Standard	SAE	Package Quantity	720
Product Weight (lb.)	7.72 lb	Returnable	90-Day
Size	#9		

Warranty / Certifications

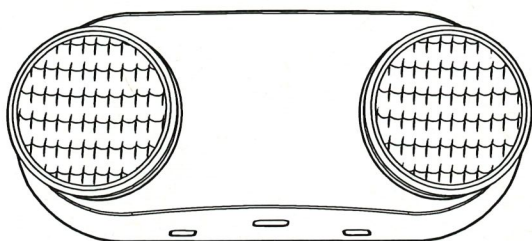
Manufacturer Warranty	No
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PRODUCT SPECIFICATIONS

LED OVAL EMERGENCY UNIT W BATTERY



EMLEDOV120277 SKU# 1003821751 (White)
EMBLEDOV120277 SKU# 1005190235 (Black)



SPECIFICATIONS

Model Number	EMLEDOV120277/ EMBLEDOV120277
SKU	1003821751/ 1005190235
OSMID	306606871 / 312379020
Power	1.6W
AC Voltage, Frequency	120-277V, 60 Hz
Color Temp (nom.)	4000K Emergency Heads
Operation Temp	32°F ~ 104°F
CRI	80
Lumen Output (min.)	166 lm
Max Mounting Height	16.25 FT
Emergency Run Time	Min 90 min with included 3.6V Ni-Cad Batt
Efficacy	103 lm/watt

KEY FEATURES

- Fully Adjustable Heads
- Dual Voltage 120/277 VAC, 60 Hz
- Test switch/power indicator light
- Rear Mount
- 3.6V Ni-Cad Battery with Min 90 Min Run Time
- 5 Year Warranty

HOUSING CONSTRUCTION

- Injection molded, color stable, high impact UL 94-5VA rated polycarbonate
- Available in White or Black textured finish
- Easy mount feature for fast installation

RATINGS

- UL 924 Listed
- UL Damp Location Rated
- Life Safety NFPA 101
- CEC, T20, DOE Listed
- NEC/OSHA

PACKAGING

Weight (±0.5 lb)	1.1 lbs
Size (L x W x H) (±0.1 in)*	10.0 in x 2.5 in x 4.0 in
Box Dimensions LxWxH	10.25 in x 4.38 in x 3.0 in
Gross Weight	1.38 lbs
UPC	853711008083 / 853711008298

* Dimensions include Emergency Heads

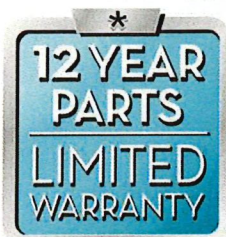
INCLUDED IN BOX

- Oval Emergency Unit (1)
- 3.6V Ni-Cad Back Up Battery (1)
- All Necessary Mounting Hardware

Job Name:	
Tag#	



Submittal Data Sheet	4MXS36RMVJUA
4 Port, 3-Ton Outdoor Heat Pump	



Complete warranty details available from your local dealer or at www.daikincomfort.com. To receive the 12-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Quebec. *If product is installed in a commercial application, limited warranty period is 5 years.*

Outdoor Specifications

Compressor	Hermetically Sealed Swing Type			
Refrigerant	R-410A			
Factory Charge (Lbs)	6.17			
Refrigerant Oil	PVE (FVC50K)			
Airflow Rate (cfm)	Cooling		Heating	
	H	2,613	H	2,351
	M	2,440	M	2,210
	L	1,727	L	1,119
Sound Pressure Level (dBA)	54 / 56			
Dimensions (H x W x D) (in)	28-15/16 x 34-1/4 x 12-5/8			
Weight (Lbs)	139			

Efficiency

	SEER	EER	HSPF	COP
Non-Ducted	17.7	9.2	12.2	3.89
Ducted	14	7.9	8.2	4.27
Mixed	15.85	8.55	10.2	4.08

Performance

Cooling (Btu/hr)	
Rated	36,000
Operating Range	14°F – 115°F

Rated Cooling Conditions: Indoor: 80°F DB/67°F WB
Outdoor: 95°F DB/75°F WB

Heating (Btu/hr)	
Rated	36,000
Operating Range	5°F – 60°F

Rated Heating Conditions: Indoor: 70°F DB/60°F WB
Outdoor: 47°F DB/43°F WB

Electrical

	208/60/1	230/60/1
System MCA	23.9	23.9
System MFA	25	25
Compressor RLA	17.5	17.5
Outdoor fan motor FLA	.42	.42
Outdoor fan motor W	122	122

MFA: Max. fuse amps MCA: Min. circuit amps (A) FLA: Full load amps (A)
RLA: Rated load amps (A) W: Fan motor rated output (W)

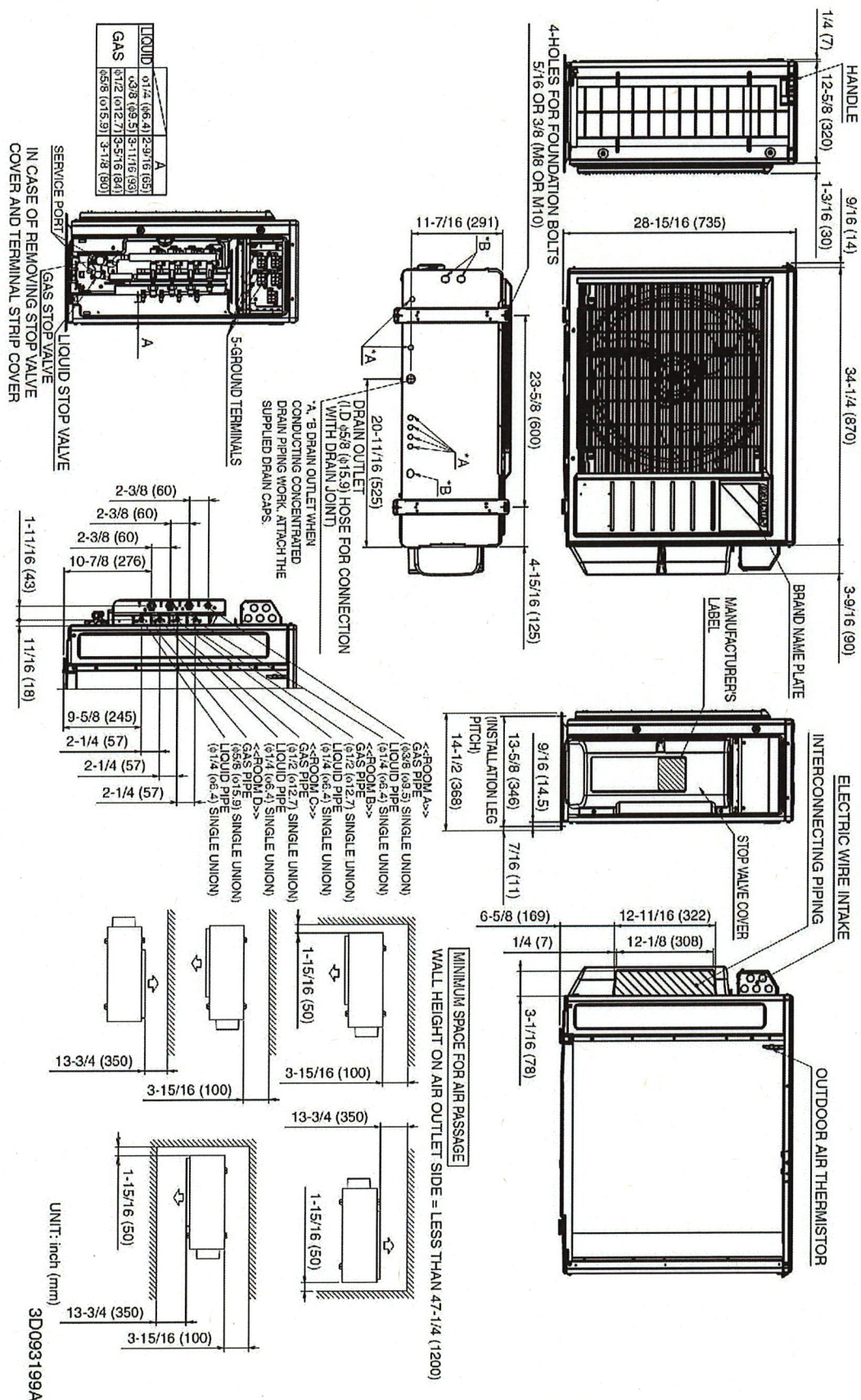
Piping

Liquid (in)	¼ x 4
Gas (in)	3/8 x 1, ½ x 2, 5/8 x 1
Drain (in)	11/16
Max. System Piping Length (ft)	230
Max. Interunit Piping Length (ft)	82
Max. Height Difference – IDU to ODU (ft)	49.25
Max. Height Difference – IDU to IDU (ft)	24.625
Chargeless (ft)	131.6
Additional Charge of Refrigerant (oz/ft)	.21

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4MXS36RMVJUA Dimensional Data



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Optional Accessories



Included	Part Number	Description
	DACA-WB-3	Mounting Bracket
	KEH063A4E	Drain Pan Heater 2/3/4MXS & 2/3MXL
	KPW063B4	Air Adjustment Grille
	KKG063A42	Back protection wire net
	KKG063A43	Side protection wire net
	KPS063A41	Snow hood (intake side plate)
	KPS063A44	Snow hood (intake rear plate)
	KPS063A47	Snow hood (outlet)

4MXS36RMVJUA Capacity Tables



Non- Ducted, 60 Hz, 208-230V

Combination of indoor unit	Cooling Capacity of each indoor unit				Heating Capacity of each indoor unit	
	Each Capacity				Total Indoor Unit Capacity	
	A room	B room	C room	D room	Rating	(min ~ max)
07	7.60	—	—	—	7.60	6.80 ~ 8.40
	8.80	—	—	—	8.80	8.30 ~ 9.70
09	9.80	—	—	—	9.80	6.90 ~ 10.80
	11.30	—	—	—	11.30	11.20 ~ 12.50
12	13.00	—	—	—	13.00	7.00 ~ 14.40
	15.00	—	—	—	15.00	11.10 ~ 16.70
15	16.30	—	—	—	16.30	8.20 ~ 18.00
	18.80	—	—	—	18.80	10.50 ~ 20.80
18	19.50	—	—	—	19.50	8.20 ~ 21.60
	22.50	—	—	—	22.50	10.50 ~ 25.00
24	26.00	—	—	—	26.00	8.60 ~ 28.80
	27.00	—	—	—	27.00	10.30 ~ 34.40
07+07	7.60	7.60	—	—	15.20	8.20 ~ 16.80
	8.75	8.75	—	—	17.50	10.40 ~ 19.40
07+09	7.69	9.61	—	—	17.30	8.30 ~ 19.20
	8.89	11.11	—	—	20.00	10.30 ~ 22.20
07+12	7.49	13.11	—	—	20.60	8.30 ~ 22.80
	8.47	14.83	—	—	23.30	10.20 ~ 26.60
07+15	6.80	17.00	—	—	23.80	9.30 ~ 26.40
	7.29	18.21	—	—	25.50	9.80 ~ 31.30
07+18	6.70	20.10	—	—	26.80	9.30 ~ 30.00
	6.95	20.85	—	—	27.80	9.70 ~ 36.00
07+24	6.99	24.81	—	—	31.80	9.60 ~ 34.40
	7.10	25.20	—	—	32.30	9.60 ~ 39.80
09+09	9.75	9.75	—	—	19.50	8.30 ~ 21.60
	11.25	11.25	—	—	22.50	10.20 ~ 25.00
09+12	9.50	13.30	—	—	22.80	8.40 ~ 25.20
	10.33	14.47	—	—	24.80	10.10 ~ 29.70
09+15	8.67	17.33	—	—	26.00	9.30 ~ 28.80
	9.00	18.00	—	—	27.00	9.70 ~ 34.40
09+18	8.38	20.12	—	—	28.50	9.30 ~ 31.50
	8.62	20.68	—	—	29.30	9.70 ~ 37.30
09+24	8.72	24.78	—	—	33.50	9.60 ~ 35.80
	8.80	25.00	—	—	33.80	9.60 ~ 41.10
12+12	13.00	13.00	—	—	26.00	8.50 ~ 28.80
	13.50	13.50	—	—	27.00	10.00 ~ 34.40
12+15	11.74	16.76	—	—	28.50	9.40 ~ 31.50
	12.06	17.24	—	—	29.30	9.60 ~ 37.30
12+18	11.42	19.58	—	—	31.00	9.40 ~ 33.60
	11.61	19.89	—	—	31.50	9.60 ~ 39.20
12+24	11.89	24.11	—	—	36.00	9.70 ~ 38.00
	11.89	24.11	—	—	36.00	9.50 ~ 43.00
15+15	15.50	15.50	—	—	31.00	10.00 ~ 33.60
	15.75	15.75	—	—	31.50	9.30 ~ 39.20
15+18	15.23	18.27	—	—	33.50	10.00 ~ 35.80
	15.36	18.44	—	—	33.80	9.30 ~ 41.10
15+24	14.88	21.12	—	—	36.00	10.20 ~ 38.00
	14.88	21.12	—	—	36.00	9.20 ~ 43.00
18+18	18.00	18.00	—	—	36.00	10.00 ~ 38.00
	18.00	18.00	—	—	36.00	9.30 ~ 43.00
18+24	16.49	19.51	—	—	36.00	10.20 ~ 38.00
	16.49	19.51	—	—	36.00	9.20 ~ 43.00
24+24	18.00	18.00	—	—	36.00	10.30 ~ 38.00
	18.00	18.00	—	—	36.00	8.60 ~ 36.50
07+07+07	7.60	7.60	7.60	—	22.80	9.20 ~ 25.20
	8.27	8.27	8.27	—	24.80	9.60 ~ 29.70
07+07+09	7.66	7.66	9.58	—	24.90	9.30 ~ 27.60
	8.09	8.09	10.12	—	26.30	9.60 ~ 32.90
07+07+12	7.39	7.39	12.92	—	27.70	9.40 ~ 30.70
	7.60	7.60	13.30	—	28.50	9.50 ~ 36.60
07+07+15	6.71	6.71	16.78	—	30.20	10.00 ~ 32.90
	6.84	6.84	17.10	—	30.80	9.20 ~ 38.50
07+07+18	6.54	6.54	19.62	—	32.70	10.00 ~ 35.10
	6.60	6.60	19.80	—	33.00	9.20 ~ 40.50
07+07+24	6.49	6.49	23.02	—	36.00	10.20 ~ 38.00
	6.49	6.49	23.03	—	36.00	9.20 ~ 43.00

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4MXS36RMVJUA Capacity Tables



Combination of indoor unit	Cooling Capacity of each indoor unit				Heating Capacity of each indoor unit	
	Each Capacity				Total Indoor Unit Capacity	
	A room	B room	C room	D room	Rating	(min ~ max)
07+09+09	7.66	9.57	9.57	—	26.80	9.40 ~ 30.00
	7.93	9.93	9.93	—	27.80	9.50 ~ 36.00
07+09+12	7.33	9.16	12.81	—	29.30	9.40 ~ 32.20
	7.50	9.38	13.13	—	30.00	9.50 ~ 37.90
07+09+15	6.69	8.37	16.74	—	31.80	10.00 ~ 34.40
	6.80	8.50	17.00	—	32.30	9.20 ~ 39.80
07+09+18	6.53	8.17	19.60	—	34.30	10.00 ~ 36.50
	6.57	8.21	19.71	—	34.50	9.20 ~ 41.70
07+09+24	6.21	7.76	22.03	—	36.00	10.20 ~ 38.00
	6.21	7.76	22.03	—	36.00	9.10 ~ 43.00
07+12+12	7.07	12.37	12.37	—	31.80	9.50 ~ 34.40
	7.19	12.56	12.56	—	32.30	9.40 ~ 39.80
07+12+15	6.53	11.43	16.33	—	34.30	10.00 ~ 36.50
	6.57	11.50	16.42	—	34.50	9.20 ~ 41.70
07+12+18	6.26	10.96	18.78	—	36.00	10.10 ~ 38.00
	6.26	10.96	18.78	—	36.00	9.20 ~ 43.00
07+12+24	5.71	10.00	20.29	—	36.00	10.20 ~ 38.00
	5.71	10.00	20.29	—	36.00	9.10 ~ 43.00
07+15+15	6.01	15.00	15.00	—	36.00	10.40 ~ 38.00
	5.99	15.00	15.00	—	36.00	9.00 ~ 43.00
07+15+18	5.54	13.85	16.61	—	36.00	10.40 ~ 38.00
	5.54	13.85	16.62	—	36.00	9.00 ~ 43.00
07+18+18	5.14	15.43	15.43	—	36.00	10.40 ~ 38.00
	5.14	15.43	15.43	—	36.00	9.00 ~ 43.00
09+09+09	9.50	9.50	9.50	—	28.50	9.40 ~ 31.50
	9.77	9.77	9.77	—	29.30	9.50 ~ 37.30
09+09+12	9.12	9.12	12.77	—	31.00	9.50 ~ 33.60
	9.26	9.26	12.97	—	31.50	9.40 ~ 39.20
09+09+15	8.38	8.38	16.75	—	33.50	10.00 ~ 35.80
	8.45	8.45	16.89	—	33.80	9.20 ~ 41.10
09+09+18	8.18	8.18	19.65	—	36.00	10.10 ~ 38.00
	8.18	8.18	19.63	—	36.00	9.20 ~ 43.00
09+09+24	7.44	7.44	21.13	—	36.00	10.20 ~ 38.00
	7.44	7.44	21.11	—	36.00	9.10 ~ 43.00
09+12+12	8.82	12.34	12.34	—	33.50	9.50 ~ 35.80
	8.88	12.45	12.45	—	33.80	9.40 ~ 41.10
09+12+15	8.18	11.45	16.36	—	36.00	10.10 ~ 38.00
	8.18	11.45	16.36	—	36.00	9.10 ~ 43.00
09+12+18	7.50	10.50	18.00	—	36.00	10.10 ~ 38.00
	7.50	10.50	18.00	—	36.00	9.10 ~ 43.00
09+12+24	6.87	9.62	19.51	—	36.00	10.20 ~ 38.00
	6.87	9.62	19.51	—	36.00	9.10 ~ 43.00
09+15+15	7.20	14.40	14.40	—	36.00	10.40 ~ 38.00
	7.20	14.40	14.40	—	36.00	9.00 ~ 43.00
09+15+18	6.67	13.33	16.00	—	36.00	10.40 ~ 38.00
	6.67	13.33	16.00	—	36.00	9.00 ~ 43.00
09+15+24	6.16	12.33	17.51	—	36.00	10.40 ~ 38.00
	6.16	12.33	17.51	—	36.00	9.00 ~ 43.00
09+18+18	6.21	14.90	14.90	—	36.00	10.40 ~ 38.00
	6.22	14.90	14.90	—	36.00	9.00 ~ 43.00
12+12+12	12.00	12.00	12.00	—	36.00	9.60 ~ 38.00
	12.00	12.00	12.00	—	36.00	9.30 ~ 43.00
12+12+15	10.50	10.50	15.01	—	36.00	10.10 ~ 38.00
	10.50	10.50	15.00	—	36.00	9.10 ~ 43.00
12+12+18	9.69	9.69	16.62	—	36.00	10.10 ~ 38.00
	9.69	9.69	16.62	—	36.00	9.10 ~ 43.00
12+12+24	8.94	8.94	18.13	—	36.00	10.10 ~ 38.00
	8.94	8.94	18.13	—	36.00	9.00 ~ 43.00
12+15+15	9.33	13.33	13.33	—	36.00	10.40 ~ 38.00
	9.33	13.33	13.33	—	36.00	9.00 ~ 43.00
12+15+18	8.69	12.41	14.90	—	36.00	10.40 ~ 38.00
	8.69	12.41	14.90	—	36.00	9.00 ~ 43.00
12+18+18	8.13	13.94	13.94	—	36.00	10.40 ~ 38.00
	8.13	13.94	13.94	—	36.00	9.00 ~ 43.00
15+15+15	12.00	12.00	12.00	—	36.00	10.40 ~ 38.00
	12.00	12.00	12.00	—	36.00	9.00 ~ 43.00

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4MXS36RMVJUA Capacity Tables



Combination of indoor unit	Cooling Capacity of each indoor unit				Heating Capacity of each indoor unit	
	Each Capacity				Total Indoor Unit Capacity	
	A room	B room	C room	D room	Rating	(min ~ max)
15+15+18	11.25	11.25	13.50	—	36.00	10.40 ~ 38.00
	11.25	11.25	13.50	—	36.00	9.00 ~ 43.00
07+07+07+07	7.33	7.33	7.33	7.33	29.30	10.00 ~ 32.20
	7.50	7.50	7.50	7.50	30.00	9.20 ~ 37.90
07+07+07+09	7.29	7.29	7.29	9.12	31.00	10.00 ~ 33.60
	7.41	7.41	7.41	9.27	31.50	9.10 ~ 39.20
07+07+07+12	7.05	7.05	7.05	12.34	33.50	10.00 ~ 35.80
	7.12	7.12	7.12	12.45	33.80	9.10 ~ 41.10
07+07+07+15	6.55	6.55	6.55	16.36	36.00	10.40 ~ 38.00
	6.55	6.55	6.55	16.35	36.00	9.00 ~ 43.00
07+07+07+18	6.00	6.00	6.00	18.00	36.00	10.40 ~ 38.00
	6.00	6.00	6.00	18.01	36.00	9.00 ~ 43.00
07+07+07+24	5.50	5.50	5.50	19.51	36.00	10.40 ~ 38.00
	5.50	5.50	5.50	19.52	36.00	9.00 ~ 43.00
07+07+09+09	7.27	7.27	9.08	9.08	32.70	10.00 ~ 35.10
	7.33	7.33	9.17	9.17	33.00	9.10 ~ 40.50
07+07+09+12	7.04	7.04	8.80	12.32	35.20	10.10 ~ 37.30
	7.06	7.06	8.83	12.35	35.30	9.10 ~ 42.40
07+07+09+15	6.26	6.26	7.83	15.65	36.00	10.40 ~ 38.00
	6.26	6.26	7.83	15.66	36.00	9.00 ~ 43.00
07+07+09+18	5.76	5.76	7.19	17.28	36.00	10.40 ~ 38.00
	5.76	5.76	7.20	17.29	36.00	9.00 ~ 43.00
07+07+09+24	5.29	5.29	6.61	18.79	36.00	10.40 ~ 38.00
	5.29	5.29	6.61	18.79	36.00	9.00 ~ 43.00
07+07+12+12	6.55	6.55	11.45	11.45	36.00	10.10 ~ 38.00
	6.55	6.55	11.45	11.45	36.00	9.10 ~ 43.00
07+07+12+15	5.76	5.76	10.07	14.40	36.00	10.40 ~ 38.00
	5.76	5.76	10.08	14.41	36.00	9.00 ~ 43.00
07+07+12+18	5.33	5.33	9.33	16.00	36.00	10.40 ~ 38.00
	5.33	5.33	9.33	16.00	36.00	9.00 ~ 43.00
07+07+15+15	5.14	5.14	12.86	12.86	36.00	10.40 ~ 38.00
	5.14	5.14	12.86	12.86	36.00	9.00 ~ 43.00
07+07+15+18	4.80	4.80	12.00	14.40	36.00	10.40 ~ 38.00
	4.80	4.80	12.00	14.40	36.00	9.00 ~ 43.00
07+09+09+09	7.23	9.03	9.03	9.03	34.30	10.10 ~ 36.50
	7.27	9.08	9.08	9.08	34.50	9.10 ~ 41.70
07+09+09+12	6.87	8.57	8.57	12.00	36.00	10.10 ~ 38.00
	6.86	8.57	8.57	12.00	36.00	9.10 ~ 43.00
07+09+09+15	6.00	7.50	7.50	15.00	36.00	10.40 ~ 38.00
	6.00	7.50	7.50	15.00	36.00	9.00 ~ 43.00
07+09+09+18	5.54	6.92	6.92	16.62	36.00	10.40 ~ 38.00
	5.54	6.92	6.92	16.63	36.00	9.00 ~ 43.00
07+09+12+12	6.26	7.83	10.97	10.96	36.00	10.10 ~ 38.00
	6.26	7.83	10.96	10.96	36.00	9.00 ~ 43.00
07+09+12+15	5.54	6.92	9.69	13.85	36.00	10.40 ~ 38.00
	5.54	6.92	9.69	13.85	36.00	9.00 ~ 43.00
07+09+12+18	5.14	6.43	9.00	15.43	36.00	10.40 ~ 38.00
	5.14	6.43	9.00	15.43	36.00	9.00 ~ 43.00
07+09+15+15	4.97	6.21	12.42	12.41	36.00	10.40 ~ 38.00
	4.97	6.21	12.42	12.41	36.00	9.00 ~ 43.00
07+12+12+12	5.75	10.08	10.08	10.08	36.00	10.20 ~ 38.00
	5.77	10.08	10.08	10.08	36.00	9.00 ~ 43.00
07+12+12+15	5.14	9.00	9.00	12.86	36.00	10.40 ~ 38.00
	5.14	9.00	9.00	12.86	36.00	9.00 ~ 43.00
09+09+09+09	9.00	9.00	9.00	9.00	36.00	10.10 ~ 38.00
	9.00	9.00	9.00	9.00	36.00	9.10 ~ 43.00
09+09+09+12	8.18	8.18	8.18	11.45	36.00	10.10 ~ 38.00
	8.18	8.18	8.18	11.45	36.00	9.00 ~ 43.00
09+09+09+15	7.20	7.20	7.20	14.40	36.00	10.40 ~ 38.00
	7.20	7.20	7.20	14.40	36.00	9.00 ~ 43.00
09+09+09+18	6.67	6.67	6.67	16.00	36.00	10.40 ~ 38.00
	6.67	6.67	6.67	16.01	36.00	9.00 ~ 43.00
09+09+12+12	7.50	7.50	10.50	10.50	36.00	10.20 ~ 38.00
	7.50	7.50	10.50	10.50	36.00	9.00 ~ 43.00
09+09+12+15	6.67	6.67	9.34	13.33	36.00	10.40 ~ 38.00
	6.67	6.67	9.33	13.34	36.00	9.00 ~ 43.00

Daikin North America LLC 5151 San Felipe, Suite 500 Houston, TX 77056

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4MXS36RMVJUA Capacity Tables



Combination of indoor unit	Cooling Capacity of each indoor unit				Heating Capacity of each indoor unit	
	Each Capacity				Total Indoor Unit Capacity	
	A room	B room	C room	D room	Rating	(min ~ max)
09+09+12+18	6.21	6.21	8.70	14.90	36.00	10.40 ~ 38.00
	6.21	6.21	8.70	14.90	36.00	9.00 ~ 43.00
09+09+15+15	6.00	6.00	12.00	12.00	36.00	10.40 ~ 38.00
	6.00	6.00	12.00	12.00	36.00	9.00 ~ 42.95
09+12+12+12	6.93	9.69	9.69	9.69	36.00	10.20 ~ 38.00
	6.91	9.69	9.69	9.69	36.00	9.00 ~ 43.00
09+12+12+15	6.21	8.69	8.69	12.41	36.00	10.40 ~ 38.00
	6.21	8.69	8.69	12.41	36.00	9.00 ~ 43.00
12+12+12+12	9.00	9.00	9.00	9.00	36.00	10.20 ~ 38.00
	9.00	9.00	9.00	9.00	36.00	9.00 ~ 43.00

4MXS36RMVJUA Capacity Tables



Ducted, 60 Hz, 208-230V

Combination of indoor unit	Cooling Capacity of each indoor unit					
	Heating Capacity of each indoor unit					
	Each Capacity				Total Indoor Unit Capacity	
	A room	B room	C room	D room	Rating	(min ~ max)
09	9.40	—	—	—	9.40	6.70 ~ 9.40
	10.70	—	—	—	10.70	10.60 ~ 12.50
12	12.50	—	—	—	12.50	6.70 ~ 12.50
	14.30	—	—	—	14.30	11.60 ~ 16.70
15	15.60	—	—	—	15.60	7.50 ~ 15.60
	17.00	—	—	—	17.00	11.20 ~ 20.80
18	18.80	—	—	—	18.80	7.50 ~ 18.80
	19.70	—	—	—	19.70	11.20 ~ 25.00
24	25.00	—	—	—	25.00	7.80 ~ 25.00
	25.00	—	—	—	25.00	11.10 ~ 29.70
09+09	9.40	9.40	—	—	18.80	8.10 ~ 18.80
	11.05	11.05	—	—	22.10	10.80 ~ 25.00
09+12	9.12	12.78	—	—	21.90	8.10 ~ 21.90
	9.29	13.00	—	—	22.30	10.80 ~ 27.30
09+15	8.33	16.67	—	—	25.00	8.70 ~ 25.00
	8.33	16.67	—	—	25.00	10.50 ~ 30.80
09+18	7.79	18.71	—	—	26.50	8.70 ~ 27.00
	7.79	18.71	—	—	26.50	10.50 ~ 32.00
09+24	7.68	21.82	—	—	29.50	8.90 ~ 31.00
	7.68	21.82	—	—	29.50	10.40 ~ 36.00
12+12	12.50	12.50	—	—	25.00	8.10 ~ 25.00
	15.90	15.90	—	—	31.80	10.80 ~ 31.80
12+15	10.91	15.59	—	—	26.50	8.70 ~ 27.00
	10.91	15.59	—	—	26.50	10.50 ~ 32.00
12+18	10.32	17.68	—	—	28.00	8.70 ~ 29.00
	10.32	17.68	—	—	28.00	10.50 ~ 34.00
12+24	10.24	20.76	—	—	31.00	8.90 ~ 33.00
	10.24	20.76	—	—	31.00	10.40 ~ 38.00
15+15	14.00	14.00	—	—	28.00	9.20 ~ 29.00
	14.00	14.00	—	—	28.00	10.20 ~ 34.00
15+18	13.41	16.09	—	—	29.50	9.20 ~ 31.00
	13.41	16.09	—	—	29.50	10.20 ~ 36.00
15+24	12.93	18.37	—	—	31.30	9.40 ~ 33.30
	12.93	18.37	—	—	31.30	10.10 ~ 38.00
18+18	15.50	15.50	—	—	31.00	9.20 ~ 33.00
	15.50	15.50	—	—	31.00	10.20 ~ 38.00
18+24	14.52	17.18	—	—	31.70	9.40 ~ 33.50
	14.43	17.07	—	—	31.50	10.10 ~ 38.00
24+24	16.15	16.15	—	—	32.30	9.50 ~ 34.00
	16.00	16.00	—	—	32.00	9.50 ~ 35.60
09+09+09	8.83	8.83	8.83	—	26.50	9.10 ~ 27.00
	8.83	8.83	8.83	—	26.50	10.10 ~ 32.00
09+09+12	8.24	8.24	11.53	—	28.00	9.10 ~ 29.00
	8.24	8.24	11.52	—	28.00	10.10 ~ 34.00
09+09+15	7.38	7.38	14.75	—	29.50	9.60 ~ 31.00
	7.38	7.38	14.75	—	29.50	9.90 ~ 36.00
09+09+18	7.05	7.05	16.92	—	31.00	9.60 ~ 33.00
	7.05	7.05	16.91	—	31.00	9.90 ~ 38.00
09+09+24	6.55	6.55	18.61	—	31.70	9.70 ~ 33.50
	6.51	6.51	18.48	—	31.50	9.80 ~ 38.00
09+12+12	7.76	10.87	10.87	—	29.50	9.10 ~ 31.00
	7.77	10.87	10.87	—	29.50	10.10 ~ 36.00
09+12+15	7.05	9.86	14.09	—	31.00	9.60 ~ 33.00
	7.05	9.86	14.09	—	31.00	9.90 ~ 38.00
09+12+18	6.52	9.13	15.65	—	31.30	9.60 ~ 33.30
	6.52	9.13	15.65	—	31.30	9.90 ~ 38.00
09+12+24	6.11	8.55	17.34	—	32.00	9.70 ~ 33.80
	6.07	8.50	17.24	—	31.80	9.80 ~ 38.00
09+15+15	6.26	12.52	12.52	—	31.30	9.90 ~ 33.30
	6.26	12.52	12.52	—	31.30	9.70 ~ 38.00
09+15+18	5.87	11.74	14.09	—	31.70	9.90 ~ 33.50
	5.83	11.67	14.00	—	31.50	9.70 ~ 38.00
09+15+24	5.53	11.06	15.71	—	32.30	10.00 ~ 34.00
	5.48	10.96	15.56	—	32.00	9.60 ~ 38.00
09+18+18	5.52	13.24	13.24	—	32.00	9.90 ~ 33.80
	5.48	13.16	13.16	—	31.80	9.70 ~ 38.00

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4MXS36RMVJUA Capacity Tables



Combination of indoor unit	Cooling Capacity of each indoor unit				Heating Capacity of each indoor unit	
	Each Capacity				Total Indoor Unit Capacity	
	A room	B room	C room	D room	Rating	(min ~ max)
12+12+12	10.33	10.33	10.33	—	31.00	9.10 ~ 33.00
	10.33	10.33	10.33	—	31.00	10.10 ~ 38.00
12+12+15	9.13	9.13	13.04	—	31.30	9.60 ~ 33.30
	9.13	9.13	13.04	—	31.30	9.90 ~ 38.00
12+12+18	8.53	8.53	14.62	—	31.70	9.60 ~ 33.50
	8.48	8.48	14.55	—	31.50	9.90 ~ 38.00
12+12+24	8.02	8.02	16.25	—	32.30	9.60 ~ 34.00
	7.94	7.94	16.10	—	32.00	9.60 ~ 38.00
12+15+15	8.21	11.74	11.74	—	31.70	9.90 ~ 33.50
	8.17	11.67	11.67	—	31.50	9.70 ~ 38.00
12+15+18	7.72	11.03	13.24	—	32.00	9.90 ~ 33.80
	7.68	10.97	13.16	—	31.80	9.70 ~ 38.00
12+18+18	7.28	12.50	12.50	—	32.30	9.90 ~ 34.00
	7.22	12.39	12.39	—	32.00	9.70 ~ 38.00
15+15+15	10.67	10.67	10.67	—	32.00	10.10 ~ 33.80
	10.60	10.60	10.60	—	31.80	9.50 ~ 38.00
15+15+18	10.09	10.09	12.10	—	32.30	10.10 ~ 34.00
	10.00	10.00	11.99	—	32.00	9.50 ~ 38.00
09+09+09+09	7.75	7.75	7.75	7.75	31.00	9.90 ~ 32.98
	7.75	7.75	7.75	7.75	31.00	9.60 ~ 38.00
09+09+09+12	7.11	7.11	7.11	9.96	31.30	9.90 ~ 33.30
	7.11	7.11	7.11	9.97	31.30	9.60 ~ 38.00
09+09+09+15	6.34	6.34	6.34	12.68	31.70	10.10 ~ 33.50
	6.30	6.30	6.30	12.60	31.50	9.40 ~ 38.00
09+09+09+18	5.93	5.93	5.93	14.22	32.00	10.10 ~ 33.80
	5.89	5.89	5.89	14.12	31.80	9.40 ~ 38.00
09+09+12+12	6.60	6.60	9.25	9.25	31.70	9.90 ~ 33.50
	6.56	6.56	9.19	9.19	31.50	9.60 ~ 38.00
09+09+12+15	5.93	5.93	8.29	11.85	32.00	10.10 ~ 33.80
	5.89	5.89	8.24	11.78	31.80	9.40 ~ 38.00
09+09+12+18	5.57	5.57	7.79	13.37	32.30	10.10 ~ 34.00
	5.52	5.52	7.71	13.24	32.00	9.40 ~ 38.00
09+09+15+15	5.38	5.38	10.77	10.77	32.30	10.30 ~ 34.00
	5.33	5.33	10.67	10.67	32.00	9.30 ~ 38.00
09+12+12+12	6.16	8.62	8.62	8.62	32.00	9.90 ~ 33.80
	6.12	8.56	8.56	8.56	31.80	9.60 ~ 38.00
09+12+12+15	5.57	7.80	7.80	11.14	32.30	10.10 ~ 34.00
	5.52	7.72	7.72	11.03	32.00	9.40 ~ 38.00
12+12+12+12	8.08	8.08	8.08	8.08	32.30	9.90 ~ 34.00
	8.00	8.00	8.00	8.00	32.00	9.60 ~ 38.00

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CHARLOTTE

PIPE AND FOUNDRY COMPANY

This is to certify that all Plastic Pipe and Fittings manufactured by Charlotte Pipe and Foundry Company are manufactured in the United States and conform to the following standards:

PVC SCH. 40 SOLID WALL PIPE

ASTM D 1784, ASTM D 1785, ASTM D 2665
FHA UM 79a
FEDERAL SPECIFICATION L-P-320a
NSF STANDARD NO. 14 AND 61

PVC SCH. 40 DWV CELLULAR CORE PIPE

ASTM D 4396, ASTM F 891
NSF STANDARD NO. 14

PVC SCH. 40 DWV FITTINGS

ASTM D 1784, ASTM D 2665, ASTM D 3311,
ASTM F 1866
FHA UM 79a
FEDERAL SPECIFICATION L-P-320a
NSF STANDARD NO. 14

ConnecTite® PUSH-FIT DWV FITTINGS

ASME A112.4.4, IAPMO IGC 334
NSF STANDARD NO. 14

PVC SDR-21 AND SDR-26 PRESSURE PIPE

ASTM D 1784, ASTM D 2241
NSF STANDARD NO. 14 AND 61

PVC SCH. 40 PRESSURE FITTINGS

ASTM D 1784, ASTM D 2466
NSF STANDARD NO. 14 AND 61

PVC SCH. 40 WELL CASING PIPE

ASTM D 1784, ASTM F 480
NSF STANDARD NO. 14 AND 61

PVC SCH. 80 PIPE

ASTM D 1784, ASTM D 1785, PVC 1120
NSF STANDARD NO. 14 AND 61

PVC SCH. 80 FITTINGS

ASTM D 1784, ASTM D 2467, ASTM D 2464,
ASTM F 1970
NSF STANDARD NO. 14 AND 61

PVC SDR 35 SEWER MAIN PIPE

ASTM D 1784, ASTM D 3034 SDR 35
ASTM D 3212, ASTM F 477

PVC SEWER AND DRAIN PIPE

ASTM D 1784, ASTM D 2729

PVC THIN WALL PIPE & FITTINGS

ASTM D 1784, ASTM D 2949
NSF STANDARD NO. 14

CPVC FLOWGUARD GOLD® CTS PIPE & FITTINGS

ASTM D 1784, ASTM D 2846
FHA UM-61a
NSF STANDARD NO. 14. AND 61
CSA LISTED ON SPECIFIED ITEMS

CPVC CHEMDRAIN® SCH. 40 PIPE & FITTINGS

ASTM D 1784, ASTM F 2618
NSF STANDARD NO. 14

ABS SCH. 40 DWV CELLULAR CORE PIPE

ASTM D 3965, ASTM F 628
NSF STANDARD NO. 14
cNSF@us dwv - U.P. Code

ABS PLUS® SCH. 40 DWV CELLULAR CORE PIPE

ASTM D 3965, ASTM D 4396, ASTM F 1488
NSF STANDARD NO. 14

ABS SCH. 40 DWV FITTINGS

ASTM D 3965, ASTM D 2661, ASTM D 3311
FHA UM 79a
FEDERAL SPECIFICATION L-P-322b
NSF STANDARD NO. 14

Very truly yours,



Hooper Hardison, President



Notary Public

My commission expires March 10, 2024

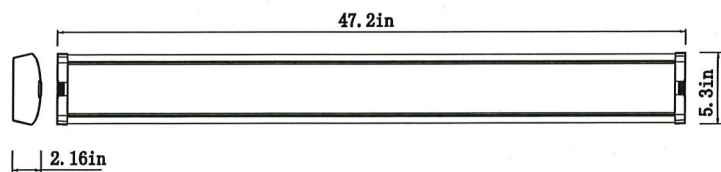
MICHELLE R WEBB
NOTARY PUBLIC
MECKLENBURG COUNTY, NC
My Commission Expires 3-10-2024

PRODUCT SPECIFICATIONS

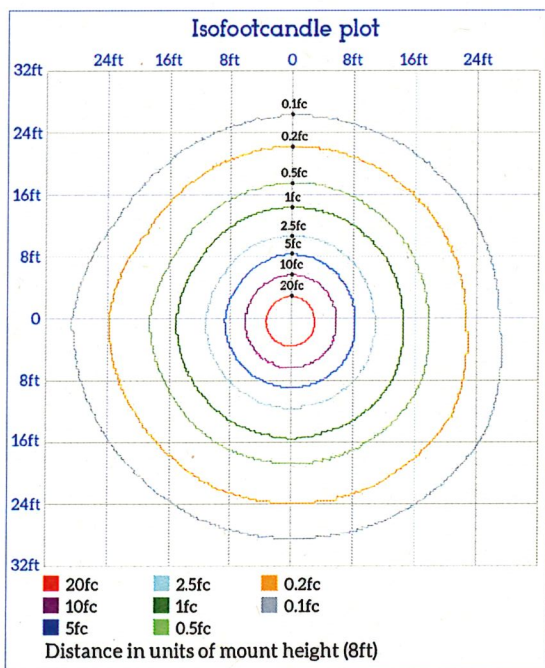
4FT LED SLIM WRAP LIGHT



WR4840K40LWL
SKU# 1003540153



PHOTOMETRIC DRAWING



SPECIFICATIONS

Model Number	WR4840K40LWL
SKU	1003540153
OSMID	306242227
Power	48W
AC Voltage, Frequency	100-277V, 50/60 Hz
Color Temp (nom.)	4000K
Operation Temp	-4°F ~ 104°F
CRI	80
Lumen Output (min.)	4000 lm
Dimming	No
Lifetime Rating	L70/50000 Hrs
Efficacy	83 lm/watt

PACKAGING

Weight (±0.5 lb)	3.41 lbs
Size (L x W x H) (±0.1 in)	47.2 in x 5.3 in x 2.1 in
Box Dimensions	48.8 in x 5.5 in x 2.3 in
Gross Weight	3.82 lbs
UPC	853711008038



ADVANTAGES

- Replaces 2L (2) 32W T8 Fluorescent Wrap
- Lasts up to 50,000 hours
- 5 Year Warranty
- For Surface and flush mount installation
- Ideal Mounting Height of 8ft -10ft
- Fully Luminous light distribution
- Easy Access Lens removal tabs and quick connects for easy installation

APPLICATIONS

Suitable for indoor locations

INCLUDED IN BOX

- Junction Box Screws (2)
- Wire Nuts (1)
- Phillips Head wood Screws (4)
- Drywall Anchors (4)
- Quick Connectors (1 set)

SURFACE MOUNT



Contact Information 1-877-527-0313 · WWW.HOMEDEPOT.COM

41015



Outdoor Bulkhead

Width (in): 6.5

Height (in): 11

Depth (in): 5

Glass Type: Ribbed Frost

Bulb Type: Medium base

Number of Bulbs: 1

Wattage: 60

Finish Shown: Black, Rust, White

Available Finishes: Black (BK), Rust (RT), White (WH)

UL Listed: Wet

Country of Origin: China

Material: Metal, Glass, Electrical

- Multiple finishes available

Job Name:

Job Type:

Contact:

Fixture Location:

Quantity:

Additional Notes:

Shipping Box	Width	Height	Depth	Ship Wt	Method	Oversize	Case QTY
Ship QTY: 1 ea					Ground	No	
UPC: by finish		Finish:		Warranty: 1 year limited parts, repair, and replacement			

Ceiling/Wall Blower

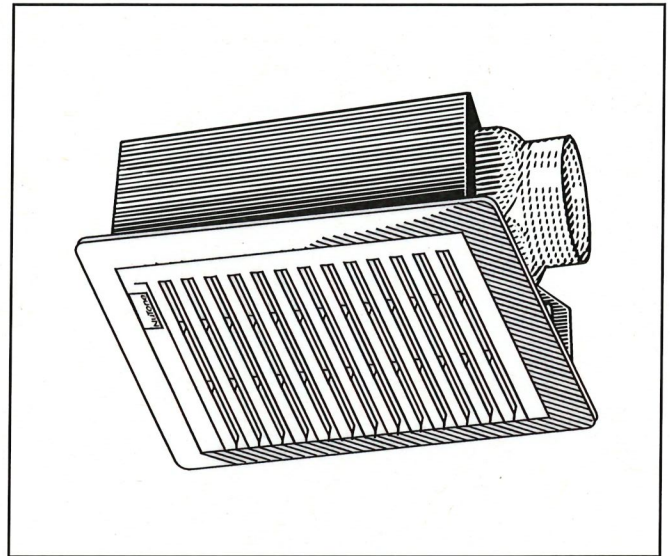
MODELS: 696N

DESCRIPTION

- For baths up to 45 sq. ft., other rooms up to 60 sq. ft.
- Installs in ceiling or 2" x 4" wall studs.
- Mounts on either 16" or 24" O.C. joist or stud.
- Discharge is through 3" round duct through roof or wall.
- Sturdy mounting brackets of double metal thickness slotted on housing for vertical mounting adjustments.
- Extra large outlet box area.
- Efficient impeller blower wheel.
- Attractive white polymeric grille with torsion springs to adjust for thickness variances in ceiling or wall.
- Polypropylene weather damper.
- Refer to NuTone's catalog for a complete listing of accessories to effectively adapt this Bathroom Fan to your construction requirements.

DESIGN FEATURES

Air Delivery:	50 CFM at 0.10" S.P.
Sound Level:	4.0 Sones.
Dimensions:	Housing: 7½" long x 7¼" wide x 3⅝" high. Grille: 9⅛" long x 8¾" wide x ½" thick.
Material & Finish:	Housing: Galvanized steel. Grille: Engineered Resin.
Motor:	Shaded pole, thermally protected, 120vAC, 60 Hz, .9 amp.
Blower Wheel:	One-piece polypropylene.
Duct Size:	3" diameter.



ARCHITECT'S SPECIFICATIONS

Exhaust Fan shall be NuTone Model Number 696N as manufactured by NuTone according to listed specifications. Fan shall ventilate 50 CFM at 0.10" S.P. at a sound level of 4.0 Sones. Housing shall be 7½" x 7¼" x 3⅝" and connect to 3" duct.

INSTALLATION

- Snap on plastic duct transition.
- Not for use in kitchens.
- Suitable for use over tub or shower enclosure when installed in a GFI protected branch circuit.
- Not for use with solid-state speed controls.
- Install in ceiling or 2" x 4" wall studs. "A" unit housing installed during rough-in stage of construction. Power unit assembly and grille are installed when ceiling or wall is finished.
- Torsion springs on grille adjust for thickness variances in ceiling or wall.
- Use a standard on-off toggle switch (purchased separately). Installation Instructions are included with each unit.



CERTIFIED TEST DATA

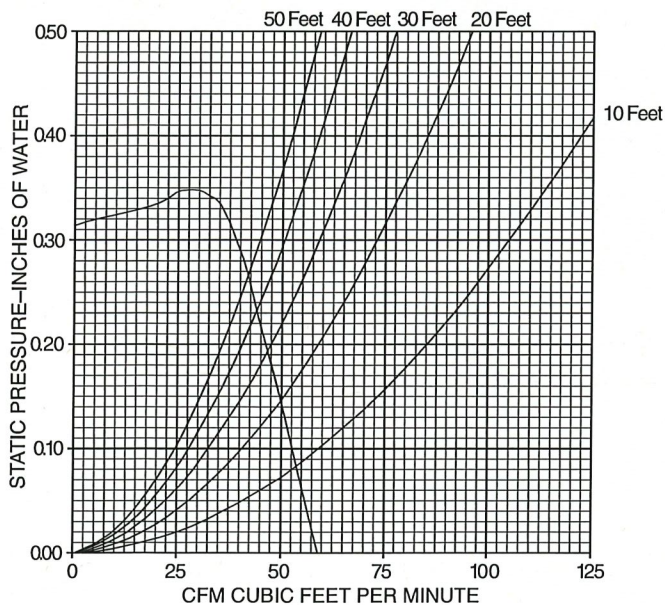
HVI-2100 CERTIFIED RATINGS comply with new testing technologies and procedures prescribed by the Home Ventilating Institute, for off-the-shelf products, as they are available to consumers. Product performance is rated at 0.1 in. static pressure, based on tests conducted in AMCA's state-of-the-art test laboratory. Sones are a measure of humanly-perceived loudness, based on laboratory measurements. This NuTone model is listed by Underwriters' Laboratories Inc.

The air delivery of a ventilating system may be determined by:

1. Determine the equivalent duct length for each 90 degree elbow by adding one foot of duct length for each inch of duct diameter, i.e., a 4 inch diameter duct elbow equals 4 feet equivalent duct length and an 8 inch diameter duct elbow equals 8 feet equivalent duct length.
2. Add the total straight length of duct and the equivalent length for each elbow to obtain the total equivalent duct length.
3. Locate the intersection of the fan performance curve and the total equivalent duct length curves and draw a vertical line down to the CFM scale and read the system air performance.

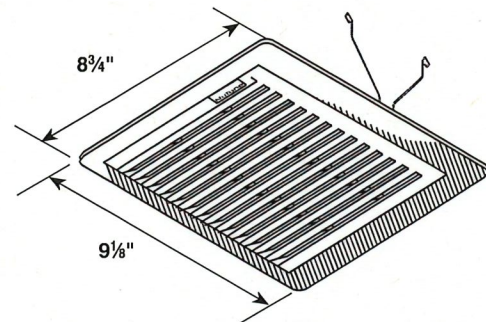
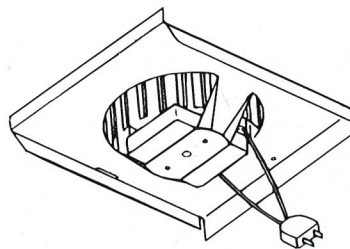
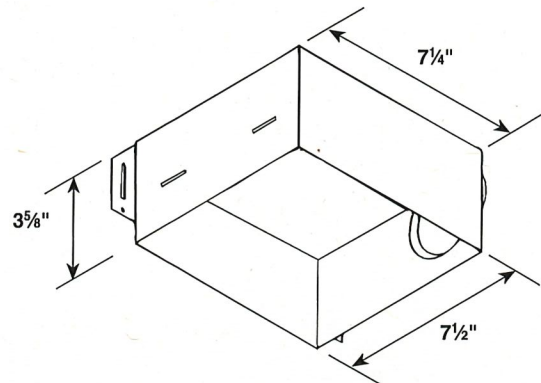
(NOTE: 3¼" x 10" duct equals 6 inch diameter duct.)

AIR PERFORMANCE CURVE (3 In. Duct to 10 Foot Lengths)



STATIC PRESSURE INCHES OF WATER	0.05	0.1	0.15	0.2	0.25	0.3	0.35
CFM	56	52	49	47	43	39	30

DIMENSIONS



Product specifications subject to change without notice.

NuTone, Inc., 4820 Red Bank Road, Cincinnati, Ohio 45227
Printed in U.S.A., Part No. 99043920A

Specifications

Dimensions

Outlet Depth (in.)	1.32	Outlet Height (in.)	4.21
Outlet Width (in.)	1.69		

Details

Color Family	White	Color/Finish	White
Electrical Features	No Additional Features	Electrical Product Type	Outlet
Grounding	Ungrounded	Indoor/Outdoor	Indoor
Maximum Amperage (amps)	15	Mounting Type	In-Wall
NEMA Configuration	NEMA 5	NEMA Configuration Receptacle	5-15
Number of Outlets	2	Number of Poles	2
Outlet Configuration	Duplex	Outlet Location	Wall
Outlet Material	Thermoplastic	Outlet Type	GFCI
Package Quantity	4	Rating	General Purpose
Returnable	90-Day	Voltage	125 volt
Wired or Wireless	Wired		

Warranty / Certifications

Certifications and Listings	CSA Certified, UL Listed	Manufacturer Warranty	2-Year Limited
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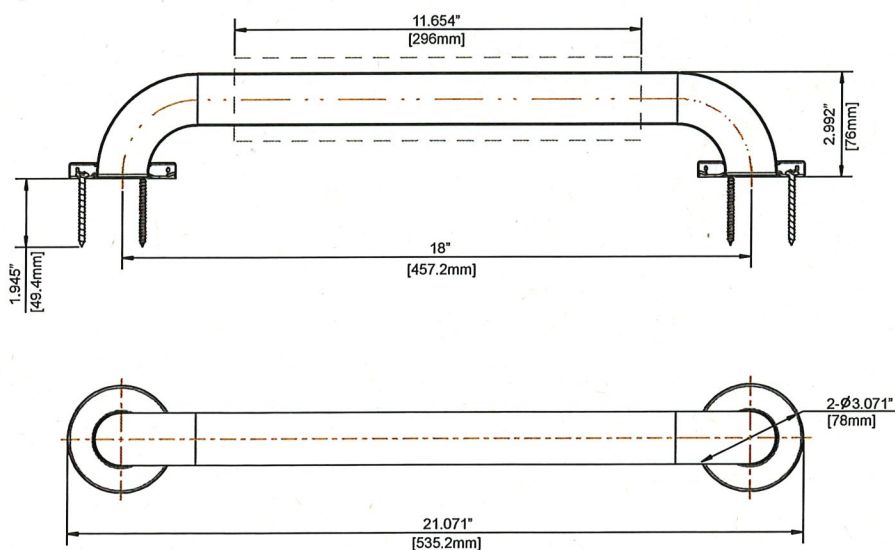
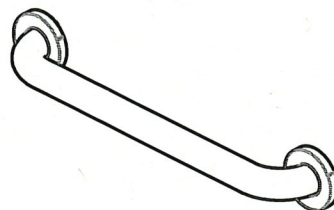
Specifications

18 in.x1-1/2 in.Concealed Peened Grab Bar

MODEL	SKU#	FINISH
20135-02103-18	237702	PSS(Polished Stainless Steel)

FEATURES

- 21.07"L x 3.07"W x 2.99"H
- WingIts compatible flange for stud-less installation (not included, model # TB-WINGIT-RES)
- Supports up to 500 lbs. with studs
- Concealed screw mount with brushed stainless steel finish
- Mounting hardware included
- ADA Compliant
- Limited Lifetime Warranty



INSTALLATION DIMENSIONS



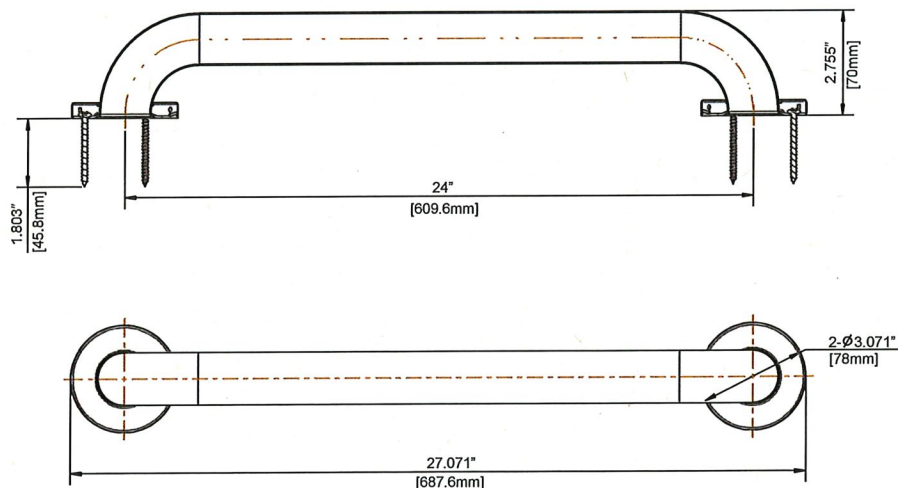
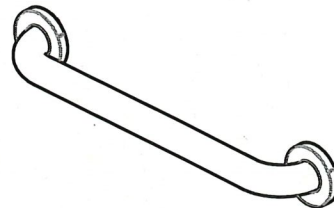
Specifications

24 in.x1-1/4 in.Concealed Screw Grab Bar

MODEL	SKU#	FINISH
20135-03202-24	240200	BSS(Bushed Stainless Steel)

FEATURES

- 27.07"L x 3.07"W x 2.99"H
- Wings compatible flange for stud-less installation (not included, model # TB-WINGIT-RES)
- Supports up to 500 lbs. with studs
- Concealed screw mount with brushed stainless steel finish
- Mounting hardware included
- ADA Compliant
- Limited Lifetime Warranty



INSTALLATION DIMENSIONS



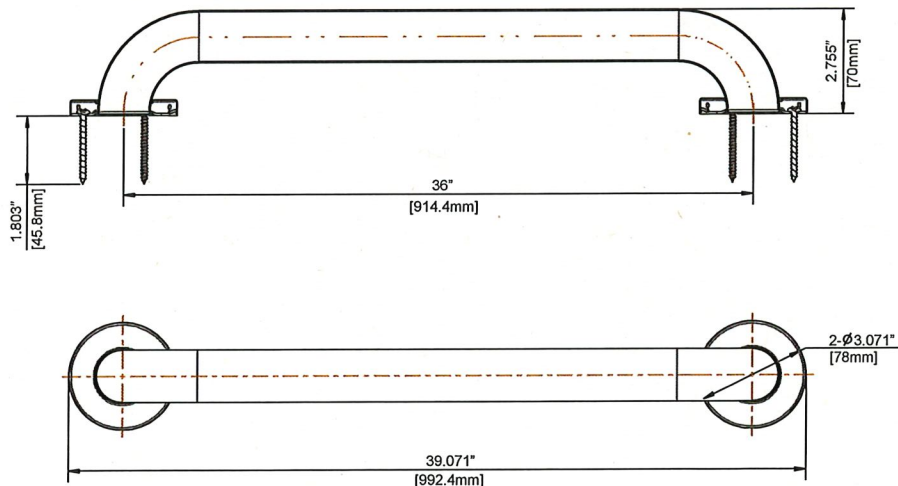
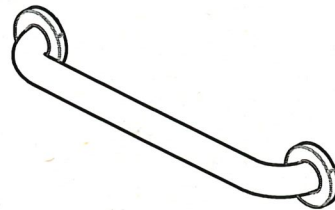
Specifications

36 in.x1-1/4 in.Concealed Screw Grab Bar

MODEL	SKU#	FINISH
20135-03202-36	240826	BSS(Brushed Stainless Steel)

FEATURES

- 39.07"L x 3.07"W x 2.99"H
- Winglts compatible flange for stud-less installation (not included, model # TB-WINGIT-RES)
- Supports up to 500 lbs. with studs
- Concealed screw mount with brushed stainless steel finish
- Mounting hardware included
- ADA Compliant
- Limited Lifetime Warranty



INSTALLATION DIMENSIONS



8 oz. Purple CPVC and PVC Primer by Oatey ★★★★★ (556)

TOP

\$8.45 Save 26¢ (3%)

Product Details

Specifications

Questions & Answers

Customer Reviews

Product Details

Specifications

Dimensions: H 8.1, W 9.2, D 16.6

Dimensions

Product Depth (in.)	16.6	Product Height (in.)	8.1
Product Width (in.)	9.2		

Details

Applicator in lid	Yes	Colored	Yes
Container Size (oz.)	8	Maintenance, Repair & Supplies Product Type	Pipe Cement, Primer & Cleaner
Pack Size	1	Pipe Material/Type	PVC
Returnable	90-Day		

Warranty / Certifications

Manufacturer Warranty	3 Years
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LED Wall Pack Light 30W



WWW.GGJIA-LED.COM

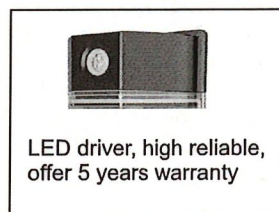
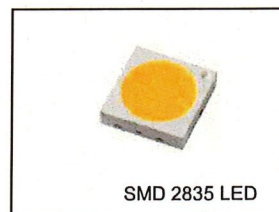
Tel: +1(626)977-6424

E-mail: sales@ggjia-led.com



Features:

- Integrated 120-277V photosensor optional.
- Die-cast aluminum housing is good for heat dissipation.
- ETL approved for wet locations.
- Surface mounts to standard junction box.
- Instant energy savings and potential rebate eligibility.
- No RF interference, No IR/UV radiation ,no mercury pollution.
- Long 50,000 hour rated life.
- Minimizes replacements and labor costs.
- Robust design protects the LEDs to withstand harsh outdoor environments.
- Easy installation and retrofit application



Specifications:

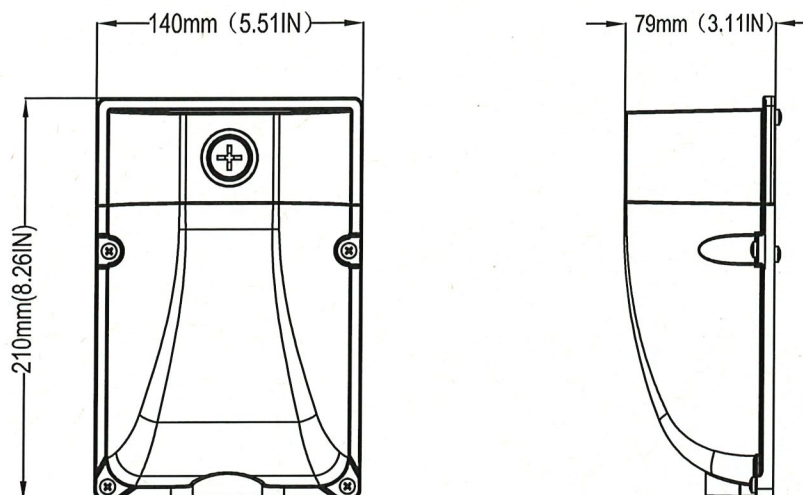
Model	RMS-L2118-30W
Power	30W
Luminous Flux	3600lm
Luminous Efficacy	120lm/w
Light Source	Epistar LED
Operation Temp	-40°C to +45°C
CTT	5000K
CRI	>80
Life Span	50,000 hours
Voltage	100-277VAC/50-60HZ
Beam Angle	120°
PT	>0.95
Warranty	5 Years





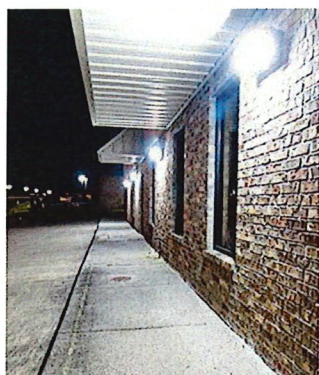
Dimension:

Unit: mm



Application:

- Site Lighting
- Security Lighting
- Pathways
- Entrances
- Perimeters





LUTRON
Lutron Electronics Co., Inc.
7200 Suter Road
Coopersburg, PA 18036-1299
U.S.A.

MAESTRO
Occupancy sensing switch
Sensor de ocupación
con interruptor
Interrupteur avec détecteur
de présence

LUTRON P/N 0302800 Rev. A
05/2019

MAESTRO
Occupancy sensing switch
Sensor de ocupación
con interruptor
Interrupteur avec détecteur
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LUTRON P/N 0302800 Rev. A
05/2019

Customer Support
Asistencia al cliente
Assistance à la clientèle
U.S.A. | Canada | Caribbean
E.U.A. | Canadá | Caribe
E.-U. | Canada | Caraïbes
1.844.LUTRON1
Mexico | México | Mexique
+1.888.235.2910
Others | Otros | Autres
+1.610.282.3800
www.lutron.com/support

Wallplate (if included) | **Placa de pared (si se incluye)** | **Plaque mural (si inclus)**

Remove faceplate.
Retire la placa frontal.
Retirez de plaque frontale.

Pull forcefully.
Tire con fuerza.
Tirer avec force.

Replace faceplate.
Reemplace la placa frontal.
Remplacez la plaque frontale.

Faceplate | Placa frontal | Plaque frontale
Adapter plate | Adaptador de placa frontal | Adaptateur de plaque frontale

MAESTRO

Occupancy sensing switch

Sensor de ocupación con interruptor

Interrupteur avec détecteur de présence

MS-OPS5M, MS-VPS5M	
120 V~ 50/60 Hz	
600 W	Incandescent Incandescente Halogen Halógena Halogène ELV BVE BTE
450 W	MLV BVM BTM
360 W	LED DEL CFL LFCA AFC
5 A	Ballast Balastro Ballast
3 A 1/10 HP	Fan Ventilador Ventilateur
3 A	Combined fan and light load Ventilador y carga luminica combinados Combinée de charge de ventilateur et d'éclairage
MS-OPS6M2-DV, MS-VPS6M2-DV	
120-277 V~ 50/60 Hz	
6 A	Lighting Iluminación D'éclairage
120 V~ 50/60 Hz	
3 A 1/10 HP	Fan Ventilador Ventilateur
3 A	Combined fan and light load Ventilador y carga luminica combinados Combinée de charge de ventilateur et d'éclairage

For more information | Para más información | Pour plus d'information
www.lutron.com/occacsensors

Limited Warranty (Valid only in U.S.A., Canada, Puerto Rico, and the Caribbean.)
Lutron will, at its option, repair or replace any unit that is defective in materials or manufacture within five years after purchase. For warranty service, return unit to place of purchase or mail to Lutron at 7200 Suter Rd., Coopersburg, PA 18036-1299, postage pre-paid.
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Lutron reparará o reemplazará, a su criterio, cualquier unidad que presente fallas en sus materiales o fabricación dentro de los cinco años posterior a su compra. Para obtener el servicio de garantía, remita la unidad al lugar donde la adquirió o envíela a Lutron, 7200 Suter Rd., Coopersburg, PA 18036-1299, con franqueo postal prepagado.
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CETTE GARANTIE REMPLACE TOUTE AUTRE GARANTIE EXPRESSE ET LA GARANTIE IMPLICITE DE QUALITÉ MARCHANDE EST LIMITÉE À UNE DURÉE DES CINQ ANS SUIVANT L'ACHAT. CETTE GARANTIE NE COUTRE PAS LES FRAIS D'INSTALLATION, DE RETRAIT OU DE REPOSE, NI LES DOMMAGES RESULTANT D'UN MAUVAIS USAGE, ABUS OU D'UN CÂBLAGE OU D'UNE INSTALLATION INADÉQUATS. CETTE GARANTIE NE COUVRE PAS LES DOMMAGES INDIRECTS OU DE CONSÉQUENCE. LA RESPONSABILITÉ DE LUTRON QUANT À TOUTE RÉCLAMATION POUR DOMMAGES DÉCOULANT DE OU LIÉS À LA FABRICATION, LA VENTE, L'INSTALLATION, LA LIVRAISON OU L'USAGE DE L'APPAREIL NE DEVRA EN AUCUN CAS EXCÉDER SON PRIX D'ACHAT.
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Custom Settings (Optional)

For a complete list of all custom settings, see
www.lutron.com/TechnicalDocumentLibrary/048461.pdf
NOTES:
Select your preferred settings from the table below before proceeding; default settings shown in bold.
For natural light detection, see Footnote 5.
Read all instructions before proceeding.

- Press and hold the button(s) indicated in the pictures below until the lens begins to flash (approximately 5 seconds).
- The lens will flash once at each setting. (Always starts at setting 1.)
EXAMPLE: To set the Timeout to 30 minutes, press and hold the large button. Release the button after the lens flashes for the fifth time (approximately 3 seconds between flashes).
- The setting is saved after the button is released.

Configuraciones personalizada (Opcional)

Para obtener una lista completa de todos los ajustes personalizados, consulte
www.lutron.com/TechnicalDocumentLibrary/048461.pdf
NOTAS:
Selección sus ajustes preferidos de la tabla a continuación antes de proceder; los valores de fábrica aparecen en **negrita**.
Para detección de luz natural, ver la nota al pie 5.
Lea todas las instrucciones antes de continuar.

- Presione y mantenga el botón(es) indicada en los ilustraciones a continuación hasta que la lente comience a parpadear (aproximadamente 5 segundos).
- La lente parpadeará una vez para cada configuración. (Comienza siempre en configuración 1.)
EJEMPLO: para configurar la desconexión por tiempo en 30 minutos, presione y mantenga presionado el botón grande. Suelte el botón después de que la lente parpadee por quinto vez (aproximadamente 3 segundos entre los parpadeos).
- La configuración se guarda al soltar el botón.

Réglages personnalisées (Optionnel)

Pour une liste complète de tous les paramètres personnalisés, voir
www.lutron.com/TechnicalDocumentLibrary/048461.pdf
REMARQUES:
Sélectionnez vos réglages préférés de la table ci-dessous avant instance; réglages par défaut indiqués en gras.
Pour détection de lumière du jour, voir note 5 en pied de page.
Lire attentivement toutes les directives avant de procéder.

- Appuyer et maintenir enfoncé le bouton(s) indiqué dans les illustrations ci-dessous jusqu'à ce que la lentille commence à clignoter (environ 5 secondes).
- La lentille clignotera une fois pour chaque réglages. (Commence toujours à réglage 1.)
EXEMPLE : Pour régler le délai de coupure à 30 minutes, appuyez sur le gros bouton et maintenir enfoncé. Dès que la lentille clignote cinquième fois relâchez le bouton (environ 3 secondes entre les clignotements).
- Le réglage est sauvegardé après avoir relâché le bouton.

	Timeout ¹	Desconexión por tiempo ¹	Délai de coupure ¹
	1 Test Mode ²	Moda prueba ²	Mode essai ²
	2 1 minute	1 minuto	1 minute
	3 5 minutes ³	5 minutos ³	5 minutes ³
	4 15 minutes ⁴	15 minutos ⁴	15 minutes ⁴
	5 30 minutes	30 minutos	30 minutes
	Sensor Mode (MS-OPS only)		Mode du détecteur (MS-OPS seulement)
	1 Auto-On and Auto-Off (Occupancy mode)	Encendido automático y apagado automático (moda presencia)	Éclairage automatique et pas d'éclairage automatique toujours (mode présence)
	2 Manual-On and Auto-Off (Vacancy mode)	Encendido manual y apagado automático (modo de inactividad)	Éclairage manuel et pas d'éclairage automatique seulement (mode à détection d'inoccupation)
	3 Auto-On daylight sensing ⁵ and Auto-Off	Encendido automático en detección de luz natural ⁵ y apagado automático	Éclairage automatique dans capteur de lumière du jour données ⁵ et pas d'éclairage automatique
	Advanced Settings		Réglages avancée
	1 Motion sensitivity low	Sensibilidad movimiento bajo	Sensibilité déplacement basse
	2 Motion sensitivity high	Sensibilidad movimiento alta	Sensibilité déplacement haute
	3 Return all settings to default	Restauración todos las configuraciones por defecto	Remise tous les réglages par défaut

¹ Timeout is the delay until lights go off after room is vacated.

² Short (less than 15-second) timeout for testing sensor coverage. After entering, device will exit test mode automatically after 5 minutes, or when any button is pressed.

³ MS-OPS5M and MS-VPS5M default.

⁴ MS-OPS6M2-DV, MS-VPS6M2-DV, UMS-OPS6M2-DV, and UMS-VPS6M2-DV default.

⁵ Lights turn on only if natural light in room is low. If switch turns on when there is enough natural light, or if switch does not turn on when there is not enough natural light, press the large button within 5 seconds of entering the room. Over time, this interaction will "teach" the switch your preferred setting.

¹ La desconexión por tiempo es la espera hasta que las luces se apagan luego de que la habitación queda vacía.

² Corto desconexión por tiempo de espera (de inferior a 15 segundos) para probar la cobertura del sensor. Después de entrar, el dispositivo saldrá del modo prueba automáticamente después de 5 minutos, o cuando se presiona cualquier botón.

³ MS-OPS5M y MS-VPS5M predeterminada.

⁴ MS-OPS6M2-DV, MS-VPS6M2-DV, UMS-OPS6M2-DV y UMS-VPS6M2-DV predeterminada.

⁵ Las luces se encienden sólo si hay poca luz natural en la habitación. Si el interruptor se enciende cuando hay suficiente luz natural, o no se enciende cuando no hay suficiente luz natural, presione el botón grande dentro de los 5 segundos de haber ingresado a la habitación. Con el tiempo, esta interacción le "enseñará" al interruptor cuál es su preferencia.

¹ Délai de coupure est le délai jusqu'à extinction des lumières après que la pièce est vacante.

² La vérification de délai de coupure du détecteur est court (moins de 15 secondes). Le dispositif sort automatiquement du mode essai après l'entrée après 5 minutes, ou à l'actionnement de n'importe quel bouton.

³ MS-OPS5M et MS-VPS5M défaut.

⁴ MS-OPS6M2-DV, MS-VPS6M2-DV, UMS-OPS6M2-DV et UMS-VPS6M2-DV défaut.

⁵ Les lumières s'allument seulement si la lumière du jour de la pièce est faible. Si l'interrupteur s'allume quand il y a suffisamment de lumière du jour, ou si l'interrupteur ne s'allume pas quand il n'y a pas suffisamment de lumière du jour, appuyez sur le gros bouton en dedans de 5 secondes en entrant dans la pièce. Au fil du temps, cette interaction "éduquera" votre interrupteur concernant votre réglage préféré.

Important Notes Please read before installing.

- CAUTION:** To reduce the risk of overheating and possible damage to other equipment, **DO NOT** use to control receptacles.
- Install in accordance with all national and local electrical codes.
- A ground connection is required for product to function. Connect green-sleeved wire to ground only in retrofit and replacement applications. When neutral connection is available, remove green sleeve and connect to neutral. If neither wire is present, consult a licensed electrician.
- Only one (1) sensing switch can be used in a 3-way/multi-location application.
- When using with an accessory switch* for 3-way or multi-location (more than 2 locations) applications, see www.lutron.com/occvacensors.
- Do not exceed twenty (20) devices at 120 V~ or seven (7) devices at 277 V~ on a single branch circuit.
- The ability of the sensing switch to detect motion requires line-of-sight of room occupants. The sensing switch must have an unobstructed view of the room.
- Hot objects or moving air currents can affect the performance of the sensing switch.
- For indoor use only. Operate between 32 °F and 104 °F (0 °C and 40 °C).
- Clean with a soft damp cloth only. **DO NOT** use any chemical cleaners.
- Once power has been restored, the sensing switch can be manually turned on or off within the first 30 seconds but will not automatically control the load for the first 2 minutes.
- Device makes audible click when turning on or off. This is normal functionality.
- Load might not respond if 3-way switch is rapidly turned on/off.

* MA-AS, MSC-AS, MA-AS-277, or MSC-AS-277 is required for multi-location applications.

Notas importantes Por favor lea antes de instalar.

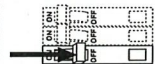
- PRECAUCIÓN:** Para disminuir el riesgo de recalentamiento y posibles daños a otros equipos, **NO** utilizar para controlar receptáculos.
- Realice la instalación de acuerdo a todos los códigos eléctricos nacionales y locales.
- Para que el producto funcione se requiere una conexión a tierra. Sólo conecte a tierra el cable de funda verde en las aplicaciones de reemplazamiento y reemplazo. Cuando haya una conexión de neutro disponible, retire la funda verde y conéctelo al neutro. Si ninguno de los cables estuviera presente, consulte con un electricista matriculado.
- Sólo un (1) sensor con interruptor se puede utilizar en una aplicación de 3 vías o ubicaciones múltiples.
- Cuando se utiliza con un interruptor de accesorio* para aplicación de 3 vías o ubicaciones múltiples (por más de 2 puntos), ver www.lutron.com/occvacensors.
- No superar la cantidad de veinte (20) dispositivos de 120 V~ o siete (7) dispositivos de 277 V~ en un solo circuito derivado.
- La capacidad del sensor con interruptor para detectar movimiento precisa una buena línea de visión de los ocupantes de la habitación. El sensor con interruptor debe tener una vista libre de obstáculos de la habitación.
- Los objetos vivos o las corrientes de aire en movimiento pueden afectar el rendimiento del sensor con interruptor.
- Sólo para uso en interiores. Debe operar en temperaturas que oscilen entre 0 °C y 40 °C (32 °F y 104 °F).
- Limpie con un paño suave y húmedo solamente. **NO** utilice limpiadores químicos.
- Cuando la alimentación sea restablezca, el interruptor con sensor puede encenderse o apagarse manualmente dentro de los primeros 30 segundos, pero no controlará en forma automática la carga para los primeros 2 minutos.
- Dispositivo hace clic audible cuando se enciende o se apaga. Esta es una funcionalidad normal.
- Carga no responde si interruptor de 3 vías se enciende/apaga rápidamente.

* MA-AS, MSC-AS, MA-AS-277, o MSC-AS-277 requerido para múltiples emplazamientos.

Remarques importantes Veuillez lire avant l'installation.

- ATTENTION :** Pour éviter toute surcharge ou dommage à d'autres équipements, **NE PAS** utiliser pour la commande de prises électriques.
- Installez conformément à tous les codes d'électricité locaux et nationaux.
- Une connexion à la masse est requise pour le fonctionnement du produit. Connectez le fil à gaine verte à la terre uniquement dans les applications de rénovation et de remplacement. Lorsque la connexion du neutre est disponible, retirez la gaine verte et raccordez le fil au neutre. Si aucun de ces fils n'est présent, consultez un électricien qualifié.
- Seulement un (1) interrupteur avec détecteur peut être utilisé dans une application à 3 voies ou à emplacements multiples.
- Lorsque vous utilisez avec d'un Interrupteur Auxiliaire* pour 3 voies ou à emplacements multiples (plus de 2 emplacements), voir www.lutron.com/occvacensors.
- Ne pas excéder vingt (20) dispositifs à 120 V~ ou sept (7) dispositifs à 277 V~ sur un seul circuit de dérivation.
- La capacité du détecteur interrupteur de capter le mouvement demande une vue directe des occupants de la pièce. Le détecteur interrupteur ne doit pas avoir son champ visuel de la pièce obstrué.
- Les objets chauds ou déplacements d'air chaud peuvent affecter la performance du détecteur interrupteur.
- Pour utilisation à l'intérieur seulement. Fonctionne entre 0 °C et 40 °C (32 °F et 104 °F).
- Nettoyez uniquement avec un linge doux et humide. N'utilisez **AUCUN** nettoyant chimique.
- Une fois le courant rétabli, le détecteur interrupteur peut être activé ou désactivé manuellement dans les 30 premières secondes, mais ne commande pas automatiquement la charge pour les 2 premières minutes.
- Dispositif permet clic audible lors de la mise sous ou hors tension. C'est une fonctionnalité normale.
- Charge pourrait ne pas répondre si 3-way switch est activé/désactivé rapidement.

* MA-AS, MSC-AS, MA-AS-277, ou MSC-AS-277 requis pour emplacements multiples.



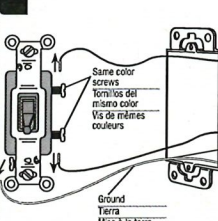
WARNING! Shock Hazard. May result in serious injury or death. Turn off power at circuit breaker before installing the unit.

ADVERTENCIA! Peligro de choque eléctrico. Podría ocasionar lesiones graves o la muerte. Desconecte la alimentación en el cortacircuitos antes de instalar la unidad.

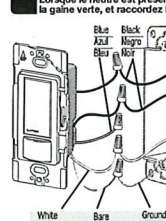
AVERTISSEMENT! Danger d'électrocution. Peut causer le décès de la personne ou de graves lésions. Couper le courant (off) au disjoncteur avant de procéder à l'installation.

Single-Pole Wiring | Cabelado unipolar | Câblage unipolaire

1 Remove existing switch
Retire l'interrupteur existant
Enlever l'interrupteur existant



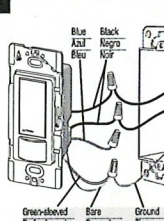
2a When neutral is present in outlet box; remove green sleeve, connect white wire to neutral
Cuando haya un neutro presente en la caja de salida; retire la funda verde y conecte el cable blanco al neutro
Lorsque le neutre est présent dans la boîte à prise; retirez la gaine verte, et raccordez le fil blanc au neutre



2b If no neutral is present, connect green-sleeved wire to ground
Si n'y a pas de neutre, connecter le fil à gaine verte à la terre



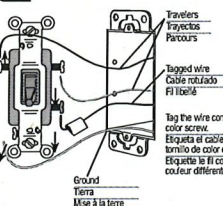
NOTE: Cap blue wire for single pole applications.
NOTA: Tape el cable azul para aplicaciones de unipolar.
REMARQUE: Isoler fil bleu pour les applications à unipolaire.



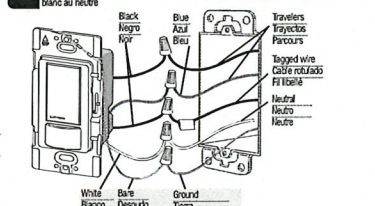
Go to Step 4
Vaya al paso 4
Passez à l'étape 4

3-Way Wiring | Cabelado de 3 vías | Câblage à 3-voies

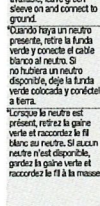
1 Remove existing switch at desired location
Retire l'interrupteur existant à l'endroit désiré
Enlever l'interrupteur existant à une position désirée



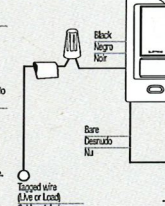
2a When neutral is present in outlet box; remove green sleeve, connect white wire to neutral
Cuando haya un neutro presente en la caja de salida; retire la funda verde y conecte el cable blanco al neutro
Lorsque le neutre est présent dans la boîte à prise; retirez la gaine verte, et raccordez le fil blanc au neutre



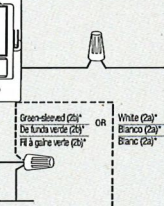
When neutral is present, remove green sleeve and connect white wire to neutral. If no neutral available, green sleeve on and connect to ground.
Cuando haya un neutro presente, retire la funda verde y conecte el cable blanco al neutro. Si no hubiera un neutro disponible, deje la funda verde colocada y conéctela a tierra.
Lorsque le neutre est présent, retirez la gaine verte et raccordez le fil blanc au neutre. Si aucun neutre n'est disponible, gardez la gaine verte et raccordez le fil à la masse.



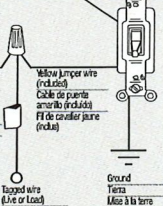
2b If no neutral is present, connect green-sleeved wire to ground
Si n'y a pas de neutre, connecter le fil à gaine verte à la terre



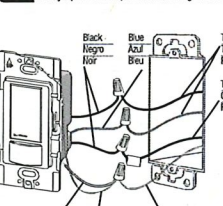
3 Modify existing 3-way switch wiring
Modifique el cableado del interruptor de 3 vías existente
Modifiez le câblage de l'interrupteur à 3-voies existant



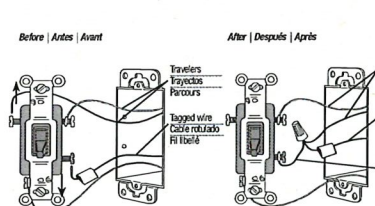
NOTE: Once power has been restored, the sensing switch will not automatically control the load for the first 2 minutes.
NOTA: Cuando la alimentación sea restablezca, el interruptor con sensor puede no controlará en forma automática la carga para los primeros 2 minutos.
REMARQUE: Une fois le courant rétabli, le détecteur interrupteur ne commande pas automatiquement la charge pour les 2 premières minutes.



2b If no neutral is present, connect green-sleeved wire to ground
Si n'y a pas de neutre, connecter le fil à gaine verte à la terre



3 Modify existing 3-way switch wiring
Modifique el cableado del interruptor de 3 vías existente
Modifiez le câblage de l'interrupteur à 3-voies existant



NOTE: Once power has been restored, the sensing switch will not automatically control the load for the first 2 minutes.
NOTA: Cuando la alimentación sea restablezca, el interruptor con sensor puede no controlará en forma automática la carga para los primeros 2 minutos.
REMARQUE: Une fois le courant rétabli, le détecteur interrupteur ne commande pas automatiquement la charge pour les 2 premières minutes.



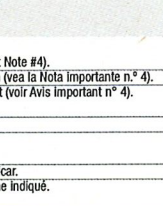
NOTE: Once power has been restored, the sensing switch will not automatically control the load for the first 2 minutes.
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NOTE: Once power has been restored, the sensing switch will not automatically control the load for the first 2 minutes.
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REMARQUE: Une fois le courant rétabli, le détecteur interrupteur ne commande pas automatiquement la charge pour les 2 premières minutes.

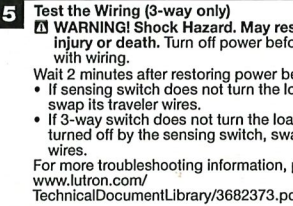


NOTE: Once power has been restored, the sensing switch will not automatically control the load for the first 2 minutes.
NOTA: Cuando la alimentación sea restablezca, el interruptor con sensor puede no controlará en forma automática la carga para los primeros 2 minutos.
REMARQUE: Une fois le courant rétabli, le détecteur interrupteur ne commande pas automatiquement la charge pour les 2 premières minutes.



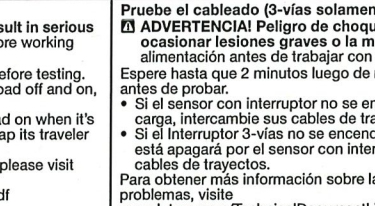
4 Install sensing switch in wallbox and restore power

NOTE: Once power has been restored, the sensing switch will not automatically control the load for the first 2 minutes.



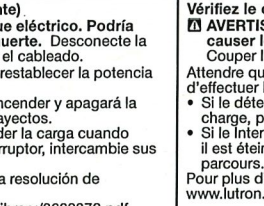
Instale el interruptor en la caja de empotrar y restablezca la alimentación

NOTE: Cuando la alimentación sea restablezca, el interruptor con sensor puede no controlará en forma automática la carga para los primeros 2 minutos.



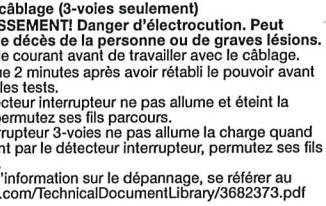
Installe l'interrupteur dans la boîte murale et rétablir le courant

REMARQUE: Une fois le courant rétabli, le détecteur interrupteur ne commande pas automatiquement la charge pour les 2 premières minutes.



Vérifiez le câblage (3-voies seulement)

AVERTISSEMENT! Danger d'électrocution. Peut causer le décès de la personne ou de graves lésions. Couper le courant avant de travailler avec le câblage.



6 Custom Settings (optional)

Leave wallplate off if custom settings are desired. (See reverse; default settings shown in bold.) To test sensor coverage, use Test Mode.

Configuraciones personalizadas (opcional)

Mantenga la placa de pared si se desean los configuraciones personalizadas. (Ver a la inversa; configuraciones de fábrica se muestra en negrita.) Para las pruebas la cobertura del sensor, usar Moda prueba.

Réglages personnalisés (optionnel)

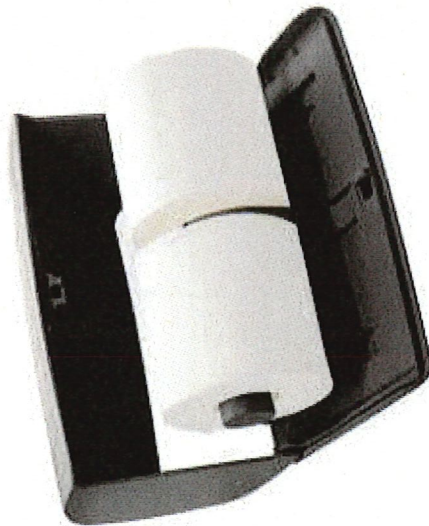
Laissez hors la plaque de mural si vous désirez les réglages personnalisés. (Voir à l'inverse; réglages par défaut ci-dessous en caractères gras.) Pour l'essai la couverture du détecteur, utiliser Mode essai.

Réglages personnalisés (optionnel)

Laissez hors la plaque de mural si vous désirez les réglages personnalisés. (Voir à l'inverse; réglages par défaut ci-dessous en caractères gras.) Pour l'essai la couverture du détecteur, utiliser Mode essai.

**SIDE-BY-SIDE****DOUBLE ROLL
TOILET TISSUE DISPENSER**

- Accommodates two standard size bath tissue rolls
- Transfer paddle offers easy access to the second roll
- Locking cover eliminates waste

**ITEM# ALP452-GRY****DIMENSIONS: 6.3"H x 10.3"W x 6.3"D****FINISH: Gray Plastic****CASE QUANTITY: 12****UOM: Each**

Horn/Strobe CFA Series

The Edwards 6536-G5 Horn/Strobe is an audible/visual signaling device that may be used in a variety of system configurations including call for assistance applications.

Designed for installation in a single gang 2" (51mm) x 4" (102mm) box.

Features and Specifications

- Neutral white color
- 92dB at 1 meter/82dB at 10 ft.
- UL 1638 listed



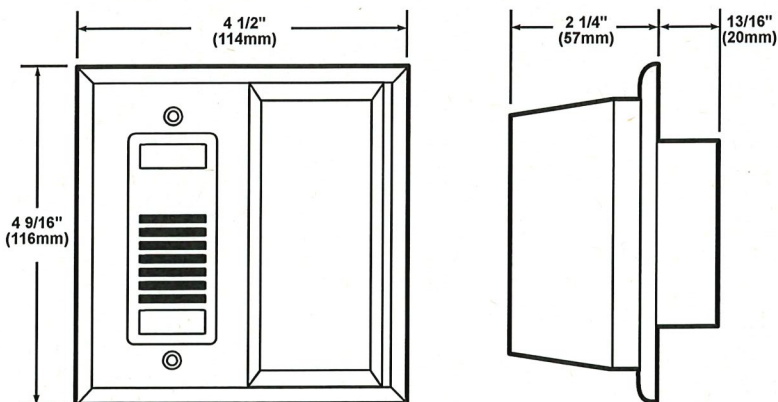
Ordering Information

Description	Cat. No.	Operating Voltage	Current	Lens Color	dB at 1m/10ft.	Strobe Candela
Horn/Strobe	6536-G5	24V AC	0.175 A @ 24V AC ¹	Clear	92/82	50
		24V DC	0.125 A @ 24V DC			
	6536A-G5	24V AC	0.175 A @ 24V AC ¹	Amber	92/82	40
		24V DC	0.125 A @ 24V DC			
	6536B-G5	24V AC	0.175 A @ 24V AC ¹	Blue	92/82	17
		24V DC	0.125 A @ 24V DC			
	6536G-G5	24V AC	0.175 A @ 24V AC ¹	Green	92/82	29
		24V DC	0.125 A @ 24V DC			
	6536R-G5	24V AC	0.175 A @ 24V AC ¹	Red	92/82	25
		24V DC	0.125 A @ 24V DC			

¹AC voltage frequency is 50/60 Hz

Weights and Dimensions

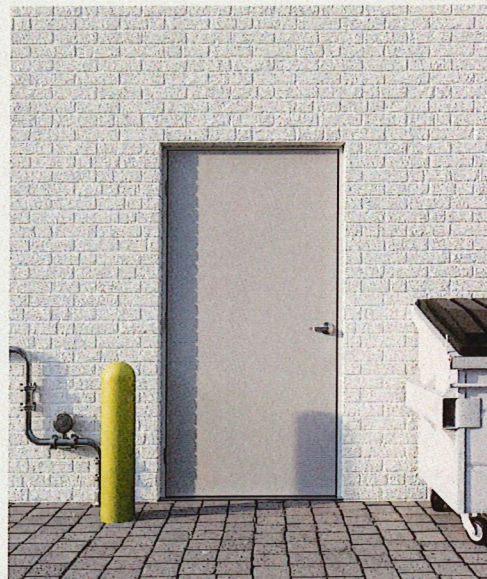
Cat. No.	Approx. Net Weight (lb.)	Approx. Shipping Weight (lb.)
6536-G5	0.46	0.65
6536A-G5	0.46	0.65
6536B-G5	0.46	0.65
6536G-G5	0.46	0.65
6536R-G5	0.46	0.65



STEELCRAFT®

Falcon SZ Series

Steel doors



Overview

The Steelcraft SZ Series flush door is an affordable, square-edge solution for commercial applications. The construction combines the rigid stability of steel with the integrity of a laminate core. Steelcraft SZ Series square edge flush doors offer a solution that is simple to order and stock with quality you can depend on.

Features and benefits

- Square-edge with non-handed hinge preparation
- 4 1/2" universal hinge prep with reversible hinge filler plates included
- Variety of stock held at all locations and sold as bundled or individual units
- Expanded RAPID offering
 - Adds expanded sizes
 - Adds alternate hardware locations
 - Adds availability of 3/8" undercut

Performance

- Honeycomb core system standard, optional polystyrene core available
- Specification requirements
 - Door construction meets the requirements of ANSI A250.8-2003 (SDI 100)
 - Hardware preparations and reinforcements are in accordance with ANSI A250.6-2003. Locations are in accordance with ANSI/DHI A115; alternate locations are available in the RAPID program only.

Ratings

- Doors are factory labeled with a Warnock Hersey / ITS 1 1/2 hour (90min) mylar label
- Doors can be modified under authorized distributor licensing programs

Durability

- Corrosion resistance
 - 18 gauge CRS face sheets standard with Galvannealed (A60) face sheets optional factory applied rust Inhibiting primer standard
- Full height, visible mechanical interlock edges; polystyrene core doors come standard with a closed top
- Standard, 14 gauge closer reinforcement

About Allegion

Allegion (NYSE: ALLE) is a global pioneer in seamless access, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion secures people and assets with a range of solutions for homes, businesses, schools and institutions. For more, visit www.allegion.com.

KOHLER®

Kingston™ Wall-Mount Bathroom Sink K-2005

Features

- Made from premium materials that withstand high-volume usage.
- 21-1/4" (540 mm) x 18-1/8" (460 mm).
- Faucet not included.
- Includes wall hanger.
- Drilled for concealed arm carrier.

Material

- Vitreous china.

Installation

- Wall-mount.

Recommended Products/Accessories

K-8998 P-Trap
K-23726 Drain treatment
K-23725 Cast iron cleaner

Included Components

Additional Components:
Hanger(s)



ADA CSA B651

Codes/Standards





ASME A112.19.2/CSA B45.1
ADA
ICC/ANSI A117.1
CSA B651

KOHLER® One-Year Limited Warranty

See website for detailed warranty information.

Available Colors/Finishes

Color tiles intended for reference only.

Color	Code	Description
	0	White
	96	Biscuit
	47	Almond
	7	Black Black™

1-800-4KOHLER (1-800-456-4537)

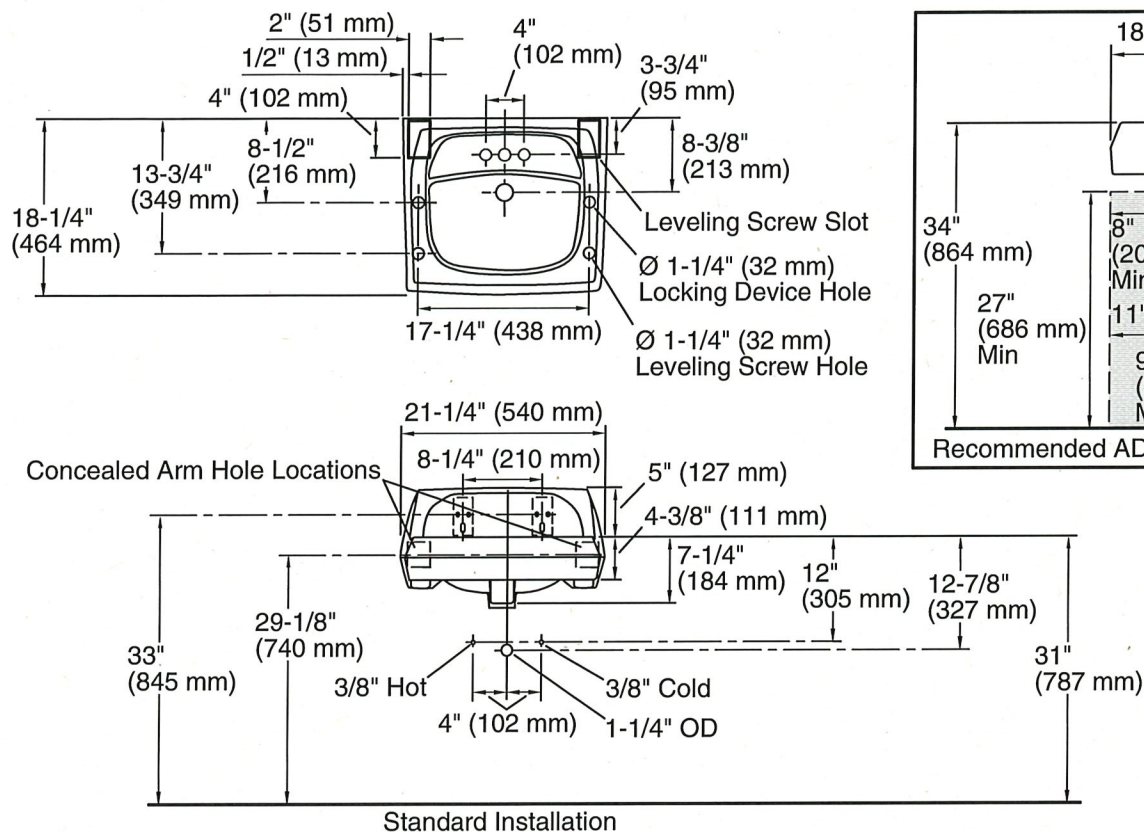
Kohler Co. reserves the right to make revisions without notice to product specifications.
For the most current Specification Sheet, go to www.kohler.com.

9-2-2020 10:14 - US/CA

THE BOLD LOOK
OF **KOHLER®**

KOHLER®

Kingston™ Wall-Mount Bathroom Sink K-2005



Technical Information

All product dimensions are nominal.

Bowl configuration:	Single
Installation:	Wall-mount
Bowl area (Only):	Length: 16" (406 mm) Width: 10" (254 mm) With overflow: Yes Water depth: 3-1/8" (79 mm)
With overflow:	Yes
Number of deck holes:	3
Faucet hole spacing:	4" (102 mm)
Soap/Lotion hole:	1-1/4" (32 mm)
Drain hole:	1-3/4" (44 mm)

Notes

Install this product according to the installation instructions.

ADA, CSA B651 compliant when installed to the specific requirements of these regulations.

1-800-4KOHLER (1-800-456-4537)

Kohler Co. reserves the right to make revisions without notice to product specifications.

For the most current Specification Sheet, go to www.kohler.com.

9-2-2020 10:14 - US/CA

THE BOLD LOOK
OF **KOHLER®**

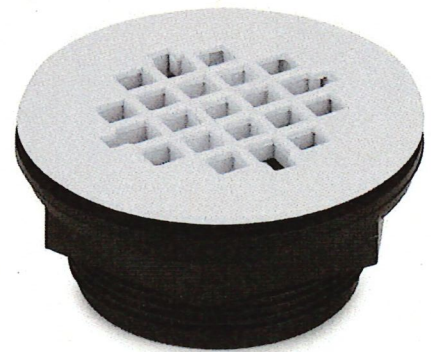
INSTRUCTION GUIDE

NO-CAULK PREFORMED DRAINS



Oatey No-caulk Shower Drains are designed with a drain body that seals to the shower base with washers. For use with preformed shower bases, these drains come with a universal snap-in strainer in a variety of finishes that complement your bathroom's existing décor. Oatey products have earned the trust of plumbing professionals for over 100 years.

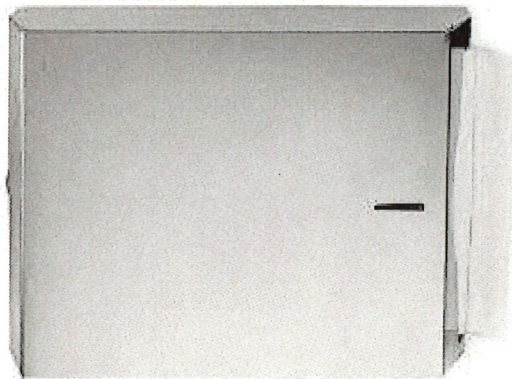
- 1** Apply ½ in. bead of Oatey Plumbers Putty around the underside of the no-caulk barrel flange.
- 2** Place the no-caulk barrel through the top side of the shower base hole. Compress down as far as you can without twisting.
- 3** Place the rubber sealing washer and friction washer over the barrel to the underside of the shower base.
- 4** Tighten the locking ring using adjustable pliers.
- 5** Once fully tightened, remove any excess plumbers' putty from the top of the drain.
- 6** Install shower base into final location.
- 7** Place the rubber pipe gasket bevel side up over the drainpipe coming up through the no-caulk barrel. Push down on the rubber pipe gasket until it sets at the bottom of the no-caulk barrel.
- 8** Thread the gasket set screw into place over the drainpipe with the provided wrench and tighten with a screwdriver.
- 9** Snap in drain cover.



**C-FOLD/MULTI-FOLD
PAPER TOWEL DISPENSER**

- Holds up to 400 C-fold or 525 multi-fold towels
- Stainless Steel 304
- Variety of colors/finishes

ITEM#	DIMENSIONS
ALP480	14.5"H x 11.2"W x 4"D
ALP480-AN	14.5"H x 11.2"W x 4"D



ALP480
BRUSHED
STAINLESS STEEL



ALP480-AN
ANTIQUE NICKEL

APPROVED AS TO FORM AND LEGALITY

CITY ATTORNEY'S OFFICE

TRACY CITY COUNCIL

RESOLUTION NO. 2022-099

APPROVING A PROCUREMENT AGREEMENT WITH LINKED EQUIPMENT, LLC, FOR THE PURCHASE OF PRE-MANUFACTURED RESTROOM, SHOWER, LAUNDRY, STORAGE AND MECHANICAL BUILDING STRUCTURES IN THE AMOUNT OF \$550,000 FOR INSTALLATION AS PART OF THE TEMPORARY EMERGENCY HOUSING PROJECT, CIP 71112, AT 370 W. ARBOR AVENUE

WHEREAS, The City Engineer's Office has finalized the construction documents for Site Improvements at the Temporary Emergency Housing Project, CIP 71112, at Arbor Avenue, with a significant part of the project to include the purchase and installation of ten (10) pre-manufactured building structures, including a restroom, shower, laundry, storage, and mechanical building structures; and

WHEREAS, The City Council, on December 21, 2021, via Resolution No. 2021-198, authorized the direct purchase of a total of 10 structures for the Temporary Emergency Housing Facility Project from Linked Equipment, LLC, of Phoenix, Arizona; and

WHEREAS, The City Council, on September 1, 2020, authorized the creation of a Capital Improvement Project, the Temporary Emergency Housing Project, CIP 71112, to fund the improvements at 370 W. Arbor Avenue; and

WHEREAS, The vendor, Linked Equipment, Inc., manufactures restroom, shower, laundry, storage and mechanical building structures that come fully equipped with all required interior furnishings including heating and ventilation equipment, and at this time, they are the only company identified, available and willing to customize the structures to the City's requirements for accessibility and privacy, and are also certified by the California Department of Housing and Community Development (HCD) to produce these types of pre-fabricated structures to meet California building code requirements; and

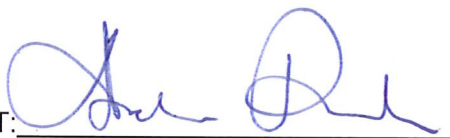
WHEREAS, By purchasing the structures in advance and directly from the manufacturer, staff expects to minimize production time delays to the Project; now, therefore, be it


RESOLVED, That the City Council of the City of Tracy hereby approves, via resolution, the Procurement Agreement for the purchase of ten (10) pre-manufactured structures, one (1) equipment enclosure and ancillary services for design and technical support in the amount not-to-exceed \$550,000 for installation as part of the Temporary Emergency Housing Project, CIP 71112, at 370 W. Arbor Avenue.

Description	Qty.	Unit Cost	Total
Three Unit Restroom (1 ADA, 2 STD) – 20' modified container	2	\$50,759.61	\$101,519.22
Five Unit Shower (2 ADA, 3 STD) – 40' modified container	2	\$92,500	\$185,000.00
Laundry – 4 sets of washer/dryers (2 ADA, 2 STD) 20' modified container	1	\$67,081.31	\$67,081.31
Mechanical Room – two 100-gallon water heaters, electrical frames	1	\$32,219.10	\$32,219.10
Operations Storage – 20' modified container with lighting and ventilation	3	\$13,050.50	\$39,151.50
Storage – 40' modified container with three (3) six-foot-wide roll up doors	1	\$16,223.50	\$16,223.50
Complex Enclosure – panels to close spaces between structures	1	\$6,727.00	\$6,727.00
Ancillary Services – Engineering Design	1	\$47,896.00	\$47,896.00
Ancillary Services – Technical Support	1	\$9,067.50	\$9,067.50
		Total	\$550,500

The foregoing Resolution 2022-099 was passed and adopted by the Tracy City Council on the 5th day of July 2022, by the following vote:

AYES: COUNCIL MEMBERS: ARRIOLA, BEDOLLA, DAVIS, VARGAS, YOUNG
 NOES: COUNCIL MEMBERS: NONE
 ABSENT: COUNCIL MEMBERS: NONE
 ABSTENTION: COUNCIL MEMBERS: NONE

ATTEST: 
 ADRIANNE RICHARDSON
 City Clerk and Clerk of the Council of the City
 of Tracy, California


 NANCY D. YOUNG
 Mayor of the City of Tracy, California

CITY ATTORNEY'S OFFICE

TRACY CITY COUNCIL

RESOLUTION NO. _____

(1) DETERMINING THAT COMPLIANCE WITH STANDARD PROCUREMENT PROCESS IS NOT IN THE BEST INTEREST OF THE CITY AND DISPENSING WITH BIDDING REQUIREMENTS FOR THE PURCHASE OF PREMANUFACTURED CUSTOM CONTAINER UNITS FOR RESTROOMS AND SHOWERS FROM LINKED EQUIPMENT, LLC. AN ARIZONA LIMITED LIABILITY CORPORATION, TRACY MUNICIPAL CODE SECTION 2.20.180(4); AND

(2) APPROVING A PURCHASE AGREEMENT FOR GOODS, COMMODITIES, AND ANCILLARY SERVICES WITH LINKED EQUIPMENT, LLC., FOR FOUR (4) PREMANUFACTURED CUSTOMIZED CONTAINERS TO PROVIDE PERMANENT RESTROOMS AND SHOWERS TO BE INSTALLED AS PART OF THE PHASE II 2024 SITE IMPROVEMENTS AT THE TEMPORARY EMERGENCY HOUSING FACILITY PROJECT, CIP 71112, AT 370 W. ARBOR AVENUE, FOR A NOT-TO-EXCEED AMOUNT OF \$448,074

WHEREAS, on March 10, 2020, City Council adopted Resolution No. 2020-050, which declared a shelter crisis pursuant to California Government Code Section 8698.2; and

WHEREAS, on September 1, 2020, City Council authorized the creation of a Capital Improvement Project (CIP) for the Temporary Emergency Housing Project on Arbor Avenue, CIP 71112 (Project) to create a safe and dignified facility for residents experiencing homelessness; and

WHEREAS, City Council authorized the direct purchase of the pre-manufactured restroom, shower, laundry, storage and mechanical building structures pursuant to Resolution 2022-099; and

WHEREAS, on July 5, 2023, City Council authorized the purchase of 38 beds provided through custom containers and was completed in December of 2023. Restrooms and showers for Phase IV are currently being provided by temporary restrooms and showers. Four additional custom premanufactured container units are required to provide permanent restrooms and shower facilities for the Phase IV occupants; and

WHEREAS, on May 16, 2024, Linked Equipment provided proposals for the four additional units as well as panels to enclose the maintenance area behind the units; and

WHEREAS, Foundation preparation and utility connections for the additional restrooms and showers is included in the Phase II Site Improvement construction work. All information for the additional units, including notations regarding the City's purchase of said materials, have been

coordinated into the plans and specifications for the those bid documents, and the notice of award was approved by City Council pursuant to Resolution 2024-116 on July 2, 2024; and

WHEREAS, The Temporary Emergency Homeless Shelter, CIP 71112, is an approved Capital Improvement Project with a total budget of \$22,255,348 and sufficient funds are available in the project for the purchase of the four (4) premanufactured customized containers to provide permanent restrooms and showers; and

NOW THEREFORE, be it

RESOLVED: That the City Council for the City of Tracy hereby finds the actions approved by this resolution exempt from California Environmental Quality Act (CEQA) review pursuant to Government Code section 8698.4 as provided for homeless shelters, and as consistent with the project for which a Notice of Exemption was issued on October 16, 2020, for the Temporary Emergency Housing site at 500 Arbor Avenue in accordance with Government Code sections 65660-65662 for Low Barrier Navigation Centers and Section 15269(c) of the CEQA Guidelines (14 Cal. Code Regs. 15269(c) for (Emergency Projects). No environmental impacts beyond those already analyzed for the CIP exist; accordingly, no further CEQA analysis is needed. San Joaquin County, as the responsible entity under the National Environmental Protection Act (NEPA) for the federal grants related to this Project, conducted an Environmental Assessment in 2023 and released a Finding of No Significant Impact on January 18, 2024, in compliance with NEPA and applicable federal regulations.; and be it further

RESOLVED: That the City Council for the City of Tracy determines by a four fifth majority that compliance with standard procurement process is not in the best interest of the City and dispensing with the bidding requirement for the purchase of premanufactured custom container units for restrooms and showers from Linked Equipment, LLC. an Arizona Limited Liability Corporation, Tracy Municipal Code Section 2.20.180(4); and be it further

RESOLVED: That the City Council approves a Purchase Agreement with Linked Equipment, LLC., for four (4) premanufactured customized containers to provide permanent restrooms and showers to be installed as part of the Phase II 2024 Site Improvements at the Temporary Emergency Housing Facility Project (TEHF), Phase II, CIP 71112, at 370 W. Arbor Avenue., attached hereto as Attachment 1; and be it further

* * * * *

The foregoing Resolution 2025-_____ was adopted by the City Council on June 3, 2025, by the following vote:

AYES:	COUNCIL MEMBERS:
NOES:	COUNCIL MEMBERS:
ABSENT:	COUNCIL MEMBERS:
ABSTENTION:	COUNCIL MEMBERS:

Dan Arriola
Mayor of the City of Tracy, California

ATTEST: _____
April Quintanilla
City Clerk and Clerk of the Council of the
City of Tracy, California

Attachments:

- (1) Purchase Agreement with Purchase Agreement with Linked Equipment, LLC
- (2) Resolution 2022-099