STUDIO JAED
ARCHITECTS ENGINEERS FACILITIES SOLUTIONS
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Addendum #2

Addendum Date: December 11, 2024

Project: Swift Community Center

The work herein shall be considered part of the bid documents for the referenced project and carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Acknowledge receipt of addendum on the bid form as indicated.

Questions & Answers:

Q1 Room does not offer a ADA Focus Room at this time. The ADA unit will not be available for sale till the 2nd/3rd Quarter of 2025. Therefore the company will not price up this type of unit. Please advise what should be contemplated instead.

A- Several manufacturer's make equivalent products. Wiggleroom by KIWall and Bay Work Pod by Herman Miller are examples of equivalent products. (product information attached) One of the three pods must adhere to ADA requirements.

Q2 On door Schedule 009 Calls for a 3070 Door but drawings show a pair of Bifold Doors? Please advise.

A- Door 009 shall be a pair of 2'-6" bifold doors. Head as shown in detail 2/A-601 H-2.

Q3 Please provide specifications for Door Hardware.

A - Refer to sections 08 06 71 Door Hardware Schedule, revised 08 11 13 Hollow Metal Doors and Frames, and 08 71 00 Door Hardware attached.

Drawing Revisions:

1. C-2 Demolition Site Layout & Grading Plan.
   a. Revised sanitary line tie-in location.
2. C-3 Construction Details.
   a. Revised sanitary line tie-in location.
3. P-000 Plumbing Plan
   a. Revised sanitary line underslab location.

Specification Revisions:

1. Section 23 09 93 Sequence of Operations for HVAC Controls
   a. Revised ERV sequence of operations

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Attachments:

1. Section 23 09 93 Sequence of Operations for HVAC Controls
2. C-2 Demolition Site Layout & Grading Plan
3. C-3 Construction Details.
4. Product information for Wiggleroom by KIWall and Bay Work Pod by Herman Miller
5. Section 08 06 71 Door Hardware Schedule
6. Section 08 11 13 Hollow Metal Doors and Frames
7. Section 08 71 00 Door Hardware

SECTION 23 09 93

SEQUENCE OF OPERATIONS FOR HVAC CONTROLS

THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY LABOR MATERIALS TO PROVIDE A FULLY FUNCTIONAL BUILDING AUTOMATION SYSTEM FOR THE PROJECT. THIS INCLUDES ALL CONTROL COMPONENTS, CONTROLLERS, WIRING, PROGRAMMING, AND COORDINATION BETWEEN TRADES TO ACCOMPLISH THE SEQUENCE OF OPERATIONS HEREIN. CONTRACTOR SHALL ENSURE THAT ALL COMPONENTS ARE COORDINATED BETWEEN EQUIPMENT SUPPLIERS AND CONTROLS VENDOR FOR ALL EQUIPMENT.

1.01 PART 1 GENERAL

1.02 SECTION INCLUDES

A. This section defines the manner and method by which controls function. Requirements for each type of control system operation are specified. Equipment, devices, and system components required for control systems are specified in other sections.

B. Sequence of operation for:
   1. Variable Refrigerant Volume (VRF/VRV) Systems
   2. Supply Air Units and Energy recovery

1.03 RELATED SECTIONS

A. Section 23 09 23 - Direct-Digital Control System for HVAC.

B. Section 23 09 13 - Instrumentation and Control Devices for HVAC.

C. Section 26 27 17 - Equipment Wiring: Electrical characteristics and wiring connections.

1.04 SYSTEM DESCRIPTION

A. This Section defines the manner and method by which controls function. Requirements for each type of control system operation are specified. Equipment, devices, and system components required for control systems are specified in other Sections.

1.05 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Sequence of Operation Documentation: Submit written sequence of operation for entire HVAC system and each piece of equipment.
   1. Preface: 1 or 2 paragraph overview narrative of the system describing its purpose, components and function.
   2. State each sequence in small segments and give each segment a unique number for referencing in Functional Test procedures; provide a complete description regardless of the completeness and clarity of the sequences specified in the contract documents.
   3. Include at least the following sequences:
      a. Start-up.
      b. Warm-up mode.
      c. Normal operating mode.
      d. Unoccupied mode.
      e. Shutdown.
      f. Capacity control sequences and equipment staging.
      g. Temperature and pressure control, such as setbacks, setups, resets, etc.
      h. Detailed sequences for all control strategies, such as economizer control, optimum start/stop, staging, optimization, demand limiting, etc.
      i. Effects of power or equipment failure with all standby component functions.
      j. Sequences for all alarms and emergency shut downs.
      k. Seasonal operational differences and recommendations.
      l. Interactions and interlocks with other systems.

4. Include initial and recommended values for all adjustable settings, setpoints and parameters that are typically set or adjusted by operating staff; and any other control settings or fixed values, delays, etc. that will be useful during testing and operating the equipment.
5. For packaged controlled equipment, include manufacturer's furnished sequence of operation amplified as required to describe the relationship between the packaged controls and the control system, indicating which points are adjustable control points and which points are only monitored.
6. Include schedules, if known.

C. Control System Diagrams: Submit graphic schematic of the control system showing each control component and each component controlled, monitored, or enabled.
1. Label with settings, adjustable range of control and limits.
2. Include flow diagrams for each control system, graphically depicting control logic.
3. Include the system and component layout of all equipment that the control system monitors, enables or controls, even if the equipment is primarily controlled by packaged or integral controls.
4. Include draft copies of graphic displays indicating mechanical system components, control system components, and controlled function status and value.
5. Include all monitoring, control and virtual points specified in elsewhere.
6. Include a key to all abbreviations.

D. Points List: Submit list of all control points indicating at least the following for each point.
1. Name of controlled system.
2. Point abbreviation.
3. Point description; such as dry bulb temperature, airflow, etc.
4. Display unit.
5. Control point or setpoint (Yes / No); i.e. a point that controls equipment and can have its setpoint changed.
6. Monitoring point (Yes / No); i.e. a point that does not control or contribute to the control of equipment but is used for operation, maintenance, or performance verification.
7. Intermediate point (Yes / No); i.e. a point whose value is used to make a calculation which then controls equipment, such as space temperatures that are averaged to a virtual point to control reset.
8. Calculated point (Yes / No); i.e. a “virtual” point generated from calculations of other point values.

E. Project Record Documents: Record actual locations of components and setpoints of controls, including changes to sequences made after submission of shop drawings.

1.06 QUALITY ASSURANCE

A. Design system under direct supervision of a Professional Engineer experienced in design of this Work and licensed in the State in which the Project is located.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 GENERAL SYSTEM DESIGN AND OPERATION STANDARDS

A. Each unit shall be controlled by an individual DDC Controller and all required sensors, control valves, and appurtenances required to complete the sequence of operation. Units shall include occupied/unoccupied control, night-setback, morning warm-up/cool-down, and enthalpy-based economizer functions.

3.02 VARIABLE REFRIGERANT VOLUME HEAT PUMP SYSTEMS / TWINNED DUCTLESS SPLIT SYSTEMS

A. The variable refrigerant split system shall have a BAS DDC interface wired to the manufacturer factory central system controller to provide operation, configuration, and monitoring of the system. The manufacturer factory central controller shall operate in BACnet protocol, and be connected to manufacturer factory space temperature sensors as specified.

B. Sequence of operation:
   1. Cooling Mode: Cooling mode shall be selected based on system requirements at the room level space temperatures or manually enabled or scheduled from the workstation. During the programmed occupied mode, the supply fan shall run continuously. On a rise in space temperature above the setpoint (75 degrees, adjustable), the manufacturer central controller shall energize the central compressor to provide cooling. The internal capacity control valve in the evaporator unit shall modulate to control the flow of refrigerant to maintain space temperature. On a fall in space temperature the refrigerant capacity control valve shall modulate closed.
   2. Heating Mode: Heating mode shall be selected based on system requierments at the room level space temperatures or manually enabled or scheduled from the workstation. During the programmed occupied mode, the supply fan shall run continuously. On a drop in space temperature below the setpoint (68 degrees, adjustable), the manufacturer central controller shall energize the central compressor to with the requisite reversing valve to provide heating to the evaporator unit as required. The internal capacity control valve in the evaporator unit shall modulate to control the flow of refrigerant to maintain space temperature. On a fall in space temperature the refrigerant capacity control valve shall modulate closed.
   3. The following items shall be accessible and displayed at the Operator's Terminal:
      a. Space temperature setpoint at each fan-coil unit (user adjustable).
      b. Actual space temperature of each fan-coil unit space.
      c. Operational status of each fan-coil unit (heating, cooling, off, user adjustable).
      d. Factory error codes from each unit.
      e. Remote space temperature sensor override for each fan-coil unit (user adjustable to limit temperature adjustment range, heat/cool selection, fan speed).
      f. Compressor Status

C. Each terminal unit (fan coil) shall be controlled by the factory-provided wall-mounted controller. The controller shall be capable of allowing space temperature adjustment of +1 / -1 degrees (user adjustable).

D. Where multiple units serve the same zone, a factory-supplied control twinning kit will be provided to allow for a single temperature sensor to control both zones.

E. For all public corridors, restrooms, and vestibules, provide stainless-steel flat-plate type temperature sensors with no setpoint adjustment.

3.03 ENERGY RECOVERY FOR VRF SYSTEMS

A. Outdoor air system units shall be scheduled for occupied and unoccupied cycles based on an operator adjustable time schedule set at the unit controller. Units may also be manually enabled and disabled at the unit controller. Fan status shall be monitored by the unit controller.

B. The variable frequency drives or EC motors shall be set by the balancer to deliver the minimum outdoor air to each associated terminal unit under fully-occupied conditions.

C. When the energy recovery ventilator is in occupied mode, the unit shall energize, and:
   1. The unit exhaust and outside air isolation dampers shall open.
   2. Provide proof of airflow for each fan and provide fan failure alarms.
   3. Provide temperature indication of the supply and exhaust inlet and leaving air.

4. For units over 2,000 cfm a duct smoke detector shall be provided by the electrical contractor. Provide the interlock wiring to shut down the units upon activation.
5. The associated electric duct heater shall be energized and modulate the SCR control as needed to maintain the scheduled discharge air temperature (72F, adj.) via a duct mounted temperature sensor. The electric duct heater shall utilize its internal safeties to prove airflow from the ERV prior to energizing.

END OF SECTION

Prices effective July 1, 2024

Published September 2024

Bay Work Pod

For the latest materials information, refer to the Materials pages on HermanMiller.com.

Introduction

A Note on the Organization of This Book

There are a few signals that will help you understand the organization of this book. Once you know them, you should be able to find your way around easily.

Like a newspaper, this book is formatted with columns of text and illustrations that run vertically.

Information wraps from one column to the next and continues for as many pages as it needs to.

Black bars are clues.

A black bar at the top of a page signals the start of information about a product.

This information is divided into two sections, each signaled by a black bar. Product Information includes a description, additional notes, and dimensional drawings. Specification Information, which always begins at the top of a column, includes a series of steps. Each step represents a decision you need to make in order to complete your product number. Steps must be followed sequentially. The number of pages needed to complete information on a product varies; some will be complete in one page; others may fill three or four pages. Just continue going through the steps until you run into the next product, signaled by the black bar at the top of the page.

Black tabs running along the outside edge of the page help you locate what section you are in or what section you want to go to. You can thumb forwards or backwards to find a section; tabs and text appear on both sides of the page.

The additional pages in the back of the book include the appendices and indices. They are signaled by a long black bar running along the outside edge of the page.

The index is presented two ways.

The first index is in alphabetical order by product name. It can be helpful if you are new to the products and numbering scheme or if you are looking for a type of product, such as work chair or round table.

The second index is by product number. It lists, in alphanumeric order, the base product number, typically a five-digit number.

General Information

This book is effective July 1, 2024, subject to change without notice. Products may be purchased from authorized Herman Miller dealers who will quote prices upon request. For more information about our products and services or to see a list of dealers, visit www.HermanMiller.com.

All prices are list prices. Additional services, such as planning services, design, storage, and installation, are not included and must be added to these prices when the additional services are requested.

Illustrations, specifications, and prices are based on the latest information at the time of publication. The right is reserved to make changes at any time without notice in prices, fabrics, finishes, materials, specifications, and models, and also to discontinue models and finishes.

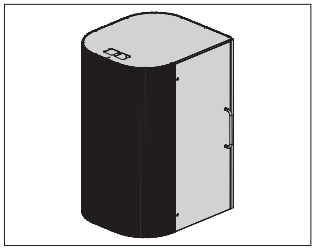
Dimensions shown in the drawings are engineering drawing dimensions rounded up to the nearest 1/8". Product is shipped set up or knocked down. Products that include "Shipped knocked down" in the description require some assembly. If this statement does not appear in the description, the product is shipped assembled.

Service problems are normally handled by a Herman Miller authorized dealer. Where this cannot be accomplished on a local level, service problems should be referred to the Customer Care Representative for your region, Herman Miller, Inc., Zeeland, Michigan 49464.

20-Day or Less/Assigned Lead-Time Shipments

All products and options in this price book not designated by an Assigned Program icon A will ship in **20 business days or less** after being acknowledged by Herman Miller.

Products and options designated by an A are on the assigned lead- time program and may ship in 20 days, less than 20 days, or more than 20 days from order acknowledgement.



Product Information

Description

The Bay Work Pod is a freestanding privacy enclosure for an individual. It has a clear or frosted hinged door, fabric-covered exterior panels, a PET interior and a clear or frosted ceiling panel. Interior features include a thermally-fused laminate surface, 2 power outlets, optional laptop and monitor support, optional occupancy indicator, video-conferencing lighting with dimmer control, an air-circulation device, and an automated user detection sensor kit to turn on the system. Glides provide 3/4″ leveling adjustment. Shipped knocked down.

Notes

Order Bay seismic brace kit (PEP400.) separately.

Wall-attached monitor support kit (WM) is suitable for 1 monitor up to 24″.

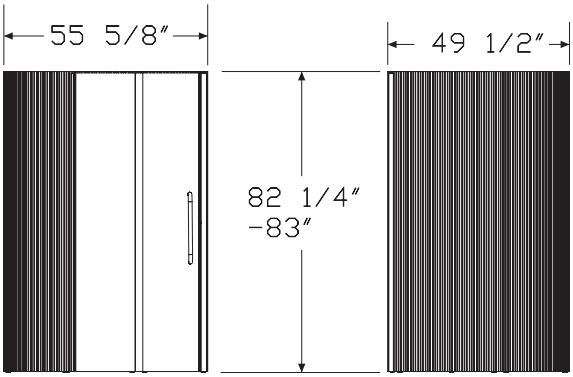
Desk-attached laptop support kit (DL) includes a Flo® single-screen monitor arm support with worksurface-mounted clamp (Y91171.CM) and an Ollin® laptop and tablet mount (Y95011.) suitable for a laptop or tablet that weighs 3 pounds or more. For tablets or laptops weighing less than 3 pounds, order Ollin laptop and tablet mount weight plate (Y95012.) separately for optimal performance of arm.

Desk-attached monitor support kit (DM) includes a Flo single-screen monitor arm support with worksurface-mounted clamp (Y91171.CM).

Order seating separately.

See planning guide for additional information.

Dimensions



Specification Information

Step 1.

PEP100. A

Step 2. Surface Height

SE	seated height, 29″ A
ST	standing height, 42″ A

Step 3. Surface Material

M	thermally-fused laminate top/thermoplastic edge A
Y	thermally fused laminate top/multi ply edge A

Step 4. Power Outlet

L	1 simplex receptacles, 1 powered USB A/C Combo A

Prices for Steps 1-4.

			L
PEP100.	**SE**	**M**	$14026
		Y	$14026
	ST	**M**	$14026
		Y	$14026

Step 5. Monitor/ Laptop Support

NM	no monitor mount A	+$0
WM	wall attached monitor support kit A	+$468
DL	desk attached laptop support kit A	+$727
DM	desk attached monitor support kit A	+$506

Step 6. Occupancy Indicator

NN	no occupancy indicator A	+$0
YY	occupancy indicator kit A	+$390

Step 7. Door Finish

TR	clear A	+$0
FS	frosted A	+$1623

Step 8. Ceiling Finish

TR	clear A	+$0
FS	frosted A	+$455

Step 9. Surface Finish

For thermally-fused laminate top/thermoplastic edge (M)

98	studio white (CP) A	+$0
91	white (CP) A	+$0
8Q	folkstone grey (CP) A	+$0
LBA	clear on ash (CP) A	+$0
LBB	oak on ash (CP) A	+$0
LBU	medium matte walnut (CP) A	+$0

For thermally fused laminate top/multi ply edge (Y)

98	studio white (CP) A	+$0
91	white (CP) A	+$0
8Q	folkstone grey (CP) A	+$0

Step 10. Edge Finish

For thermally-fused laminate top/thermoplastic edge (M)

98	studio white (CP) A	+$0
91	white (CP) A	+$0
8Q	folkstone grey (CP) A	+$0
LBA	clear on ash (CP) A	+$0
LBB	oak on ash (CP) A	+$0
LBU	medium matte walnut (CP) A	+$0

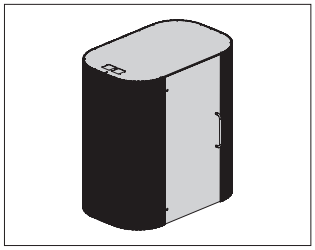
For thermally fused laminate top/multi ply edge (Y)

PDG	multi ply edge A	+$75

Step 11. Exterior Fabric

Price Category 4 +$0

Bay Work Pod Pro PEP200



Product Information

Description

The Bay Work Pod Pro is a freestanding privacy enclosure for an individual. It has a clear or frosted hinged door, fabric-covered exterior panels, a PET interior and a clear or frosted ceiling panel. Interior features include a thermally-fused laminate surface, 2 power outlets, optional laptop and monitor support, optional occupancy indicator, video-conferencing lighting with dimmer control, an air-circulation device, and an automated user detection sensor kit to turn on the system. Glides provide 3/4″ leveling adjustment. Shipped knocked down.

Notes

Seated-height surface complies with ADA requirements.

Order Bay seismic brace kit (PEP400.) separately.

Wall-attached monitor support kit (WM) is suitable for 1 monitor up to 24″.

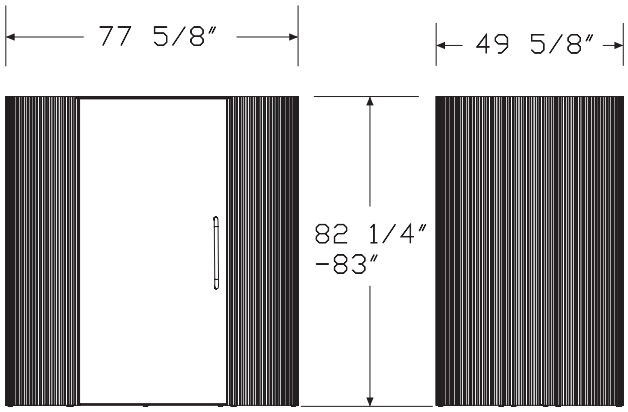
Desk-attached laptop support kit (DL) includes a Flo® single-screen monitor arm support with worksurface-mounted clamp (Y91171.CM) and an Ollin® laptop and tablet mount (Y95011.) suitable for a laptop or tablet that weighs 3 pounds or more. For tablets or laptops weighing less than 3 pounds, order Ollin laptop and tablet mount weight plate (Y95012.) separately for optimal performance of arm.

Desk-attached monitor support kit (DM) includes a Flo single-screen monitor arm support with worksurface-mounted clamp (Y91171.CM).

Order seating separately.

See planning guide for additional information.

Dimensions



Specification Information

Step 1.

PEP200. A

Step 2. Surface Height

SE	seated height, 29″ A
ST	standing height, 42″ A

Step 3. Surface Material

M	thermally-fused laminate top/thermoplastic edge A
Y	thermally fused laminate top/multi ply edge A

Step 4. Power Outlet

L	1 simplex receptacles, 1 powered USB A/C Combo A

Prices for Steps 1-4.

			L
PEP200.	**SE**	**M**	$17922
		Y	$17922
	ST	**M**	$17922
		Y	$17922

Step 5. Monitor/ Laptop Support

NM	no monitor mount A	+$0
WM	wall attached monitor support kit A	+$468
DL	desk attached laptop support kit A	+$727
DM	desk attached monitor support kit A	+$506

Step 6. Occupancy Indicator

NN	no occupancy indicator A	+$0
YY	occupancy indicator kit A	+$390

Step 7. Door Finish

TR	clear A	+$0
FS	frosted A	+$1818

Step 8. Ceiling Finish

TR	clear A	+$0
FS	frosted A	+$520

Step 9. Surface Finish

For thermally-fused laminate top/thermoplastic edge (M)

98	studio white (CP) A	+$0
91	white (CP) A	+$0
8Q	folkstone grey (CP) A	+$0
LBA	clear on ash (CP) A	+$0
LBB	oak on ash (CP) A	+$0
LBU	medium matte walnut (CP) A	+$0

For thermally fused laminate top/multi ply edge (Y)

98	studio white (CP) A	+$0
91	white (CP) A	+$0
8Q	folkstone grey (CP) A	+$0

Step 10. Edge Finish

For thermally-fused laminate top/thermoplastic edge (M)

98	studio white (CP) A	+$0
91	white (CP) A	+$0
8Q	folkstone grey (CP) A	+$0
LBA	clear on ash (CP) A	+$0
LBB	oak on ash (CP) A	+$0
LBU	medium matte walnut (CP) A	+$0

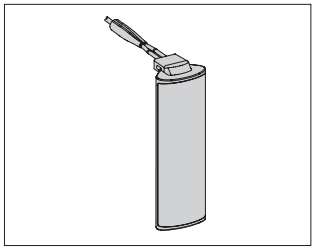
For thermally fused laminate top/multi ply edge (Y)

PDG	multi ply edge A	+$75

Step 11. Exterior Fabric

Price Category 4 +$0

Bay Occupancy Indicator Kit PEP300



Product Information

Description

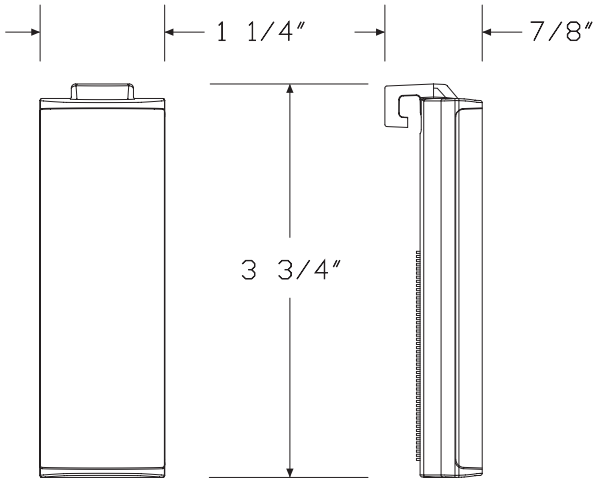
This LED indicator attaches to the top of the work pod external panel to indicate product use status. LED is controlled by a sensor located inside the pod, displaying red when pod is occupied and turning off when pod is not in use.

Notes

For use with Bay Work Pod (PEP100.) and Bay Work Pod Pro (PEP200.).

See planning guide for additional information.

Dimensions

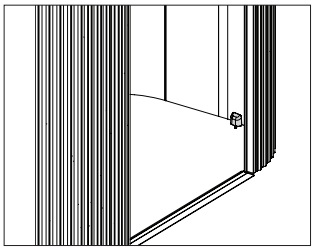


Specification Information

Step 1.

PEP300. A $400

Bay Seismic Brace Kit, Bay Work Pod PEP400



Product Information

Description

This seismic brace attaches the Bay Work Pod structure to the floor. Anchor bolts not included.

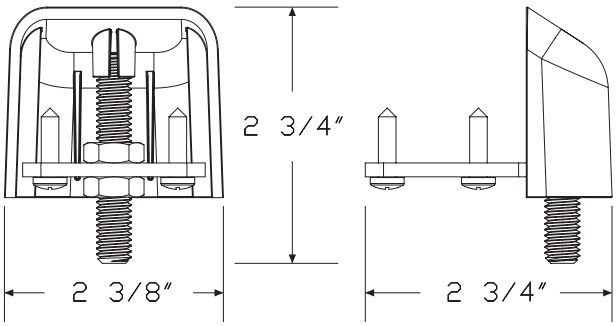
Notes

Bay Work Pod (BW) option contains 7 anchor kits.

For use with Bay Work Pod (PEP100.), ordered separately.

See planning guide for additional information about seismic zone requirements.

Dimensions

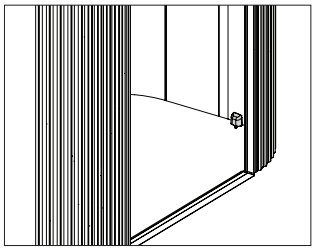


Specification Information

Step 1.

PEP400.BW A	$400

Bay Seismic Brace Kit, Bay Work Pod Pro PEP400



Product Information

Description

This seismic brace attaches the Bay Work Pod structure to the floor. Anchor bolts not included.

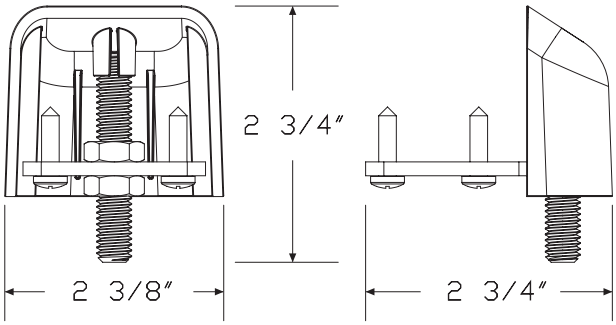
Notes

Bay Work Pod Pro (BP) option contains 9 anchor kits.

For use with Bay Work Pod Pro (PEP200.), ordered separately.

See planning guide for additional information about seismic zone requirements.

Dimensions



Specification Information

Step 1.

PEP400.BP A $500

Index by Product Name

Index by Product Number

20-Day or Less/Assigned Lead-Time Order Information

20-Day or Less and Assigned Lead-Time Programs

20-day or less and assigned lead-time products are designed for established Herman Miller dealers with pre-approved credit.

Products are distributed from multiple manufacturing facilities across the United States. All products and options not designated by an Assigned Lead-Time icon A will ship in 20 business days or less after being acknowledged by Herman Miller. Products and options designated by an A are on the assigned lead-time program and will ship in 20 days, less than 20 days, or more than 20 days from order acknowledgement.

Ordering Procedure

Please place orders through Order Manager. If this is not available to you, place orders through mail or fax. Verbal purchase orders will not be accepted.

Order Entry fax number for Meridian®
Filing and Storage: (616) 846 9236.
Order Entry fax number for all other products:
(616) 654 3085.

For more information, contact your Customer Care representative at: (866) 854 3048 ext 3400.

Shipments and Delivery

Per Herman Miller Terms and Conditions.

Changes and Cancellation

Per Herman Miller Terms and Conditions.

For more information about our products and services or to see a list of dealers, please visit us at HermanMiller.com or call (800) 851 1196.

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Charles and Ray Eames, George Nelson, and Alexander Girard—Worldwide distribution rights for furniture in all areas except Europe and the Middle East. For those areas, please contact Vitra.

Isamu Noguchi—Worldwide distribution rights for the Noguchi Rudder Table. Distribution rights for the Noguchi Table in North America and Central America only. For all other areas, please contact Vitra.

Magis—Exclusive distribution rights in the US and Canada. For all other areas, please contact Magis.

KI WALL

WIGGLEROOM® SUPER STRUCTURE

FREESTANDING POST-AND-BEAM SYSTEM

WiggleRoom Super Structure is a post and beam system that creates freestanding spaces within open plan environments. Meet, collaborate or work privately – WiggleRoom Super Structure is the perfect balance between private and public spaces. Select from a range of options for sizes, materials, surfaces and accessories that enhance comfort and productivity.

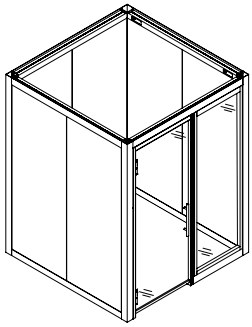
STATEMENT OF LINE (STANDARD)

For more information on the full offering, please contact your KI wall representative.

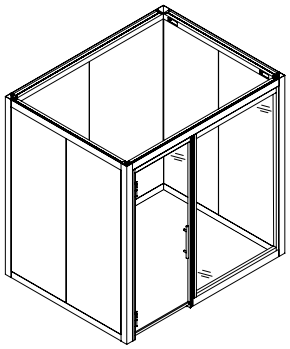
WIGGLEROOM SUPER STRUCTURE MODELS

Sizes

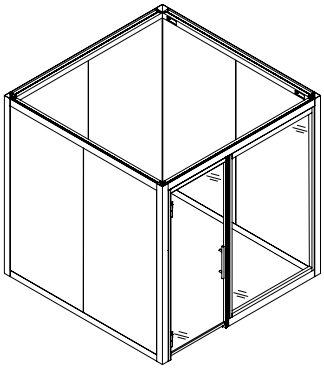
All sizes are ADA compliant.
Door in open position extends 35" from front of room



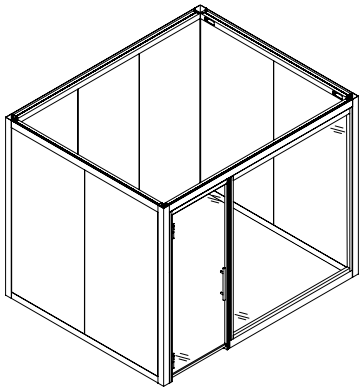
6' x 6'
Exterior: W79½" D79½" H100"
Interior: W72" D72" H96"



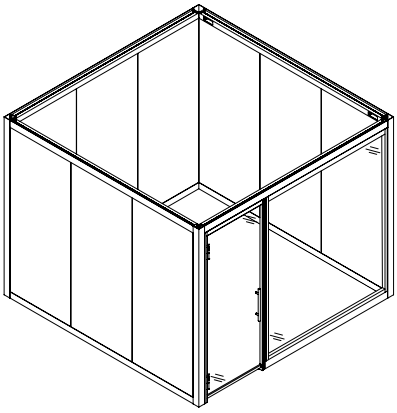
8' x 6'
Exterior: W103½" D79½" H100"
Interior: W96" D72" H96"



8' x 8'
Exterior: W103½" D103½" H100"
Interior: W96" D96" H96"



10' x 8'
Exterior: W127½" D103½" H100"
Interior: W120" D96" H96"



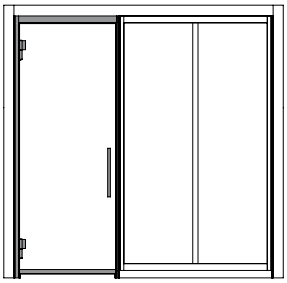
10' x 10'
Exterior: W127½" D127½" H100"
Interior: W120" D120" H96"

STATEMENT OF LINE CONT.

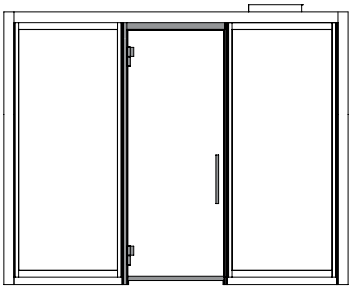
WALL STYLE SELECTIONS

Front Wall and Door

Frameless Glass Hydraulic Hinged Door



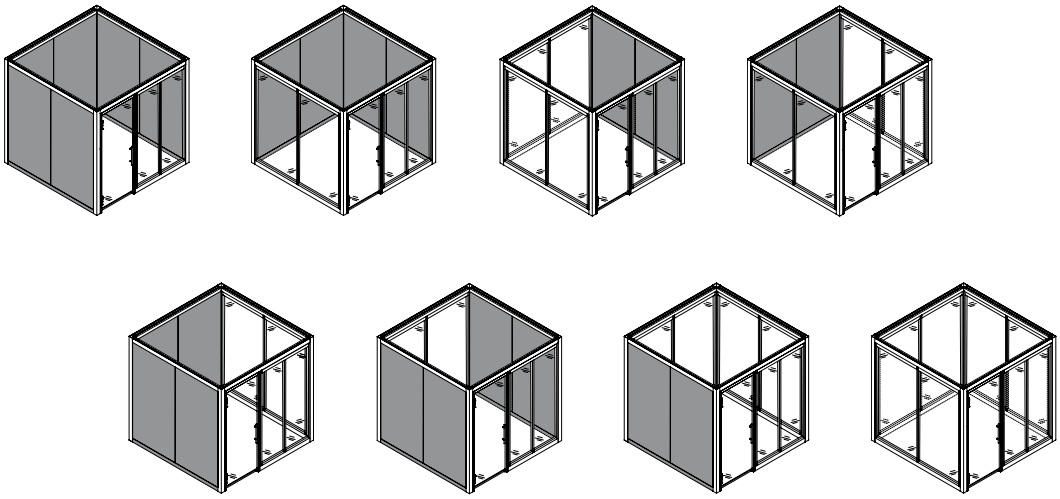
6', 8' and 10' Front
Left or Right Position



8' and 10' Front
Center Position

Side and Back Walls

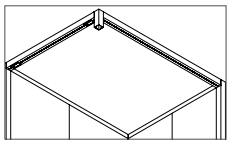
Glass Steel



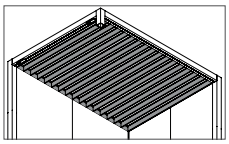
STATEMENT OF LINE CONT.

OPTIONS

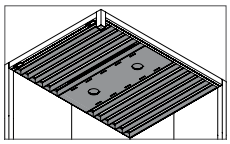
Ceiling



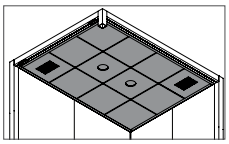
Open



Louvered



Louvered
With Lights and Fan



Full Solid
With Lights and Optional Fan

Frame Finishes

Painted Aluminum

Anodized Aluminum

Panel Finishes

3/8" Clear
Laminate Glass

Erasable Steel

Powdercoat
Painted Steel

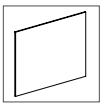
Electrical

No Power

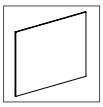
Power
Pre-wired or
hardwired`

ACCESSORIES

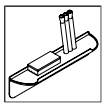
Magnetic Attachments



Markerboard



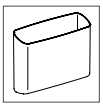
Tackboard



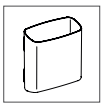
Markerboard Tray
With Markers and Eraser

Picture Hangers

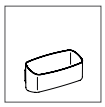
Magnetic Storage



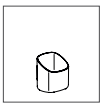
Binder Bin



File Bin



Low Bin



Pencil Cup

Shelf

WIGGLEROOM SUPER STRUCTURE FEATURES

A. ADA Compliant
Super Structure rests directly on the floor. Door openings and interior dimensions accommodate all accessibility requirements.

B. Ceiling Options
Open, closed or semi-open louvered ceiling options are available for varying acoustic privacy, air flow and fire suppression requirements.

C. Self-Closing Frameless Glass Door
The ADA-compliant, tempered ½" glass door features hydraulic slow-close hinges and opens 180 degrees with a hold-open setting. Designed with an aluminum frame, the neoprene sound seal gasket provides acoustic privacy. Door pulls (18") are available in brushed stainless or black.

D. Micro Architectural
The freestanding 6063 aluminum post and beam system meets International Building Code (IBC) and seismic requirements.

E. Ventilation
Two 62 CFM fans replenish air and maintain a comfortable environment (available with the Full Solid Ceiling and Louvered Ceiling options). Full ceilings can be specified without fans, allowing rooms to be connected to building HVAC systems.

F. Wall-Mounted Occupancy & Vacancy Sensor
The wireless, battery-powered, passive infrared (PIR) sensor controls lights via a RF signal. Sensor can be programmed for either occupancy or vacancy sensing. Lights can be programed to automatically turn off at 1, 5, 15 or 30 minutes.

G. Lighting
Photometrically analyzed 6" LED light fixtures provide the perfect amount of light. Light temperature is adjustable during installation or as needed by a qualified technician.

H. Wireless Light Switch
Dimmable light switch with programmable light level settings and a 10-year battery life.

I. Power
Power is available in left, right or both side walls.

UL-listed pre-wired solid walls include a wall receptacle with two 120V outlets

UL-listed hardwired solid walls include an empty single device electrical box (wired on site by electrician).

J. Fire Suppression
Designed to accommodate sprinklers for fire safety (field installed by a licensed contractor).

WIGGLEROOM SUPER STRUCTURE LINKS

View full product details at **kiwall.com/superstructure.**

PHOTOGRAPHY
View all product photos.

DOCUMENTS
View all product documents.

1330 Bellevue Street
Green Bay, Wisconsin 54302
800.424.2432 // kiwall.com

Warranty: 10 years

KW-CUT-000159/KW/PDF/0424

GENERAL PLUMBING NOTES

1. SEE THE ARCHITECTURAL DRAWINGS FOR INFORMATION ON THE SCOPE OF CONSTRUCTION.
2. COLLECT FIXTURE VENTS IN VENT HEADER ABOVE CEILING AND CONNECT TO CLOSEST EXISTING VTR OR BRANCH VENT (OF THE SAME OR LARGER SIZE).
3. FOR ALL EQUIPMENT REQUIREMENTS, REFER TO SPECIFICATIONS, PLUMBING SCHEDULE OR DRAWINGS. CONTRACTOR SHALL NOT INSTALL EQUIPMENT/MATERIALS UNTIL SAME IS APPROVED.
4. INSTALL WATER HAMMER ARRESTORS IN DOMESTIC WATER PIPING AS REQUIRED PER P.D.I. WH-201 STANDARDS FOR WATER HAMMER ARRESTORS.
5. PROVIDE TRAPS FOR ALL PLUMBING EQUIPMENT CONNECTIONS AND/OR IN ANY SANITARY PIPING AS REQUIRED BY THE APPLICATION.
6. PRIOR TO SUBMITTING BID, THE CONTRACTOR/BIDDER SHALL VISIT THE SITE AND BE THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS AND PROPOSED CONSTRUCTION. CONTRACTOR/BIDDER SHALL INCLUDE IN THEIR BID ALL MATERIALS, LABOR AND ALL INCIDENTALS FOR A COMPLETE INSTALLATION WHETHER SPECIFICALLY INDICATED OR NOT. ALL ERRORS, DISCREPANCIES AND MISSED ITEMS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER DURING THE BIDDING PROCESS BY THE CONTRACTOR/BIDDER. THESE ITEMS SHALL BE INCLUDED IN THE BID PRICE. NO EXTRA COST WILL BE ALLOWED FOR ANY DISCREPANCY WHICH COULD HAVE BEEN NOTICED AT THE SITE BY THE CONTRACTOR/BIDDER.
7. ALL INSTALLATIONS SHALL COMPLY WITH ALL CODES OR REGULATIONS, LOCAL, STATE, OR NATIONAL HAVING JURISDICTION OVER THE PROJECT.
8. ALL FIXTURES AND PIPING INSTALLATIONS SHALL BE PROPERLY BRACED, RIGIDLY SUPPORTED, AND INSTALLED WITH ADEQUATE VIBRATION ISOLATION AND INSULATION.
9. PROVIDE ALL LABOR, MATERIALS, AND INSTALLATION APPARATUS TO INSURE A COMPLETE OPERATING SYSTEM IMPLIED BY DRAWING CONTENT AND AS SPECIFIED.
10. THOROUGHLY COORDINATE ALL PLUMBING INSTALLATIONS WITH WORK OF OTHER CONSTRUCTION DISCIPLINES.
11. SEAL ALL RESPECTIVE WALL, FLOOR, AND CEILING/ROOF PENETRATIONS AS APPROPRIATE TO MAINTAIN A WEATHER TIGHT ENCLOSURE, FIRE BARRIER, SMOKE BARRIER, ETC. AS APPLICABLE. REFER TO ARCHITECTURE PLANS FOR SMOKE AND FIRE BARRIERS/PARTITIONS.
12. CONTRACTOR TO PAY FOR ALL FEES AND PERMITS ASSOCIATED WITH PLUMBING WORK INDICATED AS NECESSARY TO SECURE A COMPLETE AND OPERATIONAL SYSTEM ON SCHEDULE AND IN A TIMELY MANNER.
13. CONNECT DHW, DCW, DHWR VENT, AND SOIL & WASTE LINES TO FIXTURES IN ACCORDANCE WITH SIZES INDICATED ON FIXTURE SCHEDULE.
14. RUN 2" MINIMUM SIZES SOIL & WASTE PIPING BELOW GROUND INSIDE BUILDING REGARDLESS OF SIZE ON FIXTURE CONNECTION SCHEDULE.
15. ALL DIMENSIONS AND PIPE SIZES ARE IN INCHES, UNLESS NOTED OTHERWISE.
16. FURNISH AND INSTALL ACCESS PANELS WHERE REQUIRED FOR ACCESS TO ALL CONCEALED VALVES, TRAPS, OR OTHER EQUIPMENT FURNISHED UNDER THIS CONTRACT WHERE NO OTHER MEANS IS AVAILABLE.
17. INSTALL ALL SHUT-OFF AND ISOLATION VALVES (WITH ACCESS PANELS IF NECESSARY) IN A LOCATION WHICH IS ACCESSIBLE FROM THE MAIN FLOOR.
18. CONTRACTOR TO PROVIDE SHUT-OFF VALVES AT ALL DEVICES.
19. KEEP ALL OPENINGS IN PIPES OR FITTINGS PLUGGED OR CAPPED UNTIL CONNECTED.
20. SLOPE ALL DWV LINES ¼" PER FOOT (3" AND ABOVE), ⅛" PER FOOT (2½" AND BELOW).
21. INSTALL ALL FIXTURES, AS SPECIFIED, WITH SUPPLY STOPS.
22. INSTALL WASTE AND SUPPLY GUARDS UNDER ALL LAVS-SEE FIXTURE SCHEDULE.
23. MAINTAIN RECORD DRAWINGS ON SITE. RECORD SET MUST BE COMPLETE , CURRENT AND AVAILABLE FOR INSPECTION WHEN REQUISITIONS FOR PAYMENT ARE SUBMITTED.

PLUMBING LEGEND

- WALL MOUNTED WATER CLOSET
- LAVATORY
- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- DOMESTIC HOT WATER RETURN
- SANITARY SEWER
- SANITARY VENT PIPING
- DIRECTION OF FLOW
- BALL VALVE
- CAPPED PIPE
- PIPE UP
- PIPE DOWN

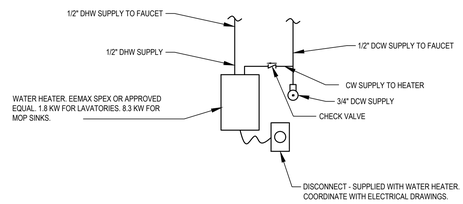
W.C.O.	WALL CLEAN OUT
F.C.O.	FLOOR CLEAN OUT
RIW	RUN IN WALL
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RETURN
S	SANITARY PIPING
V	VENT PIPING

CONNECTION POINT BETWEEN NEW & EXISITNG SYSTEM

PLUMBING FIXTURE & CONNECTION SCHEDULE

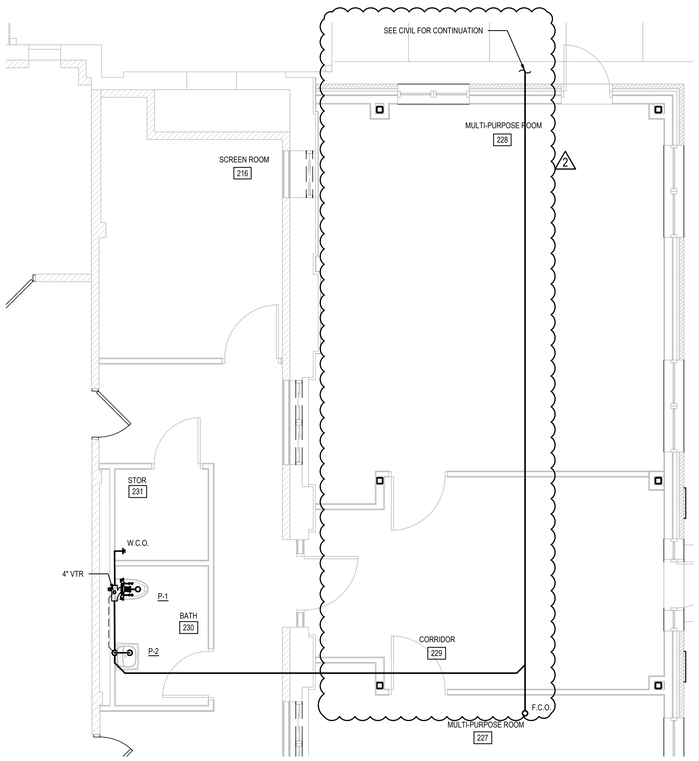
SYMBOL	FIXTURE	MANUFACTURER/MODEL #	TRIM (ADD GPM)	COLOR	DRAIN	VENT	CW	HW	REMARKS
P - 1	WALL MOUNTED TOILET	AMERICAN STANDARD: AFWALL MILLENIUM FLOWISE FLUSHOMETER, 1.1 GPF MODEL: 2257.101.020	PROVIDE WITH AMERICAN STANDARD SELECTRONIC SENSOR-OPERATED BATTERY POWERED FLUSH VALVE, 1.1GPF, MODEL 6065111.002. PROVIDE WITH SEAT	WHITE	4"	2"	1"	-	REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS. PROVIDE WITH ZURN Z1201-N CARRIER (CONTRACTOR TO VERIFY COMPATIBILITY WITH FIXTURE AND WITH MOUNTING HEIGHTS SHOWN ON ARCHITECTURAL DRAWINGS)
P - 2	WALL MOUNTED LAVATORY	AMERICAN STANDARD: LUCERNE 0356.421	PROVIDE WITH 0.35 GPM ZURN SERIO SENSOR FAUCET WITH HYDROPOWER, BATTERY BACKUP AND THERMOSTATIC MIXING VALVE. MODEL Z06950-M-TMV-1	WHITE	1 1/4"	1 1/4"	1/2"	1/2"	PROVIDE WITH TRUEBRO LAVGUARD. REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS. PROVIDE WITH ZURN Z1231 CONCEALED ARM LAVATORY CARRIER (CONTRACTOR TO VERIFY COMPATABILITY)

NOTES: PROVIDE EQUIPMENT AS SCHEDULED OR APPROVED EQUAL. PROVIDE FIXTURE STOPS FOR ALL EQUIPMENT.



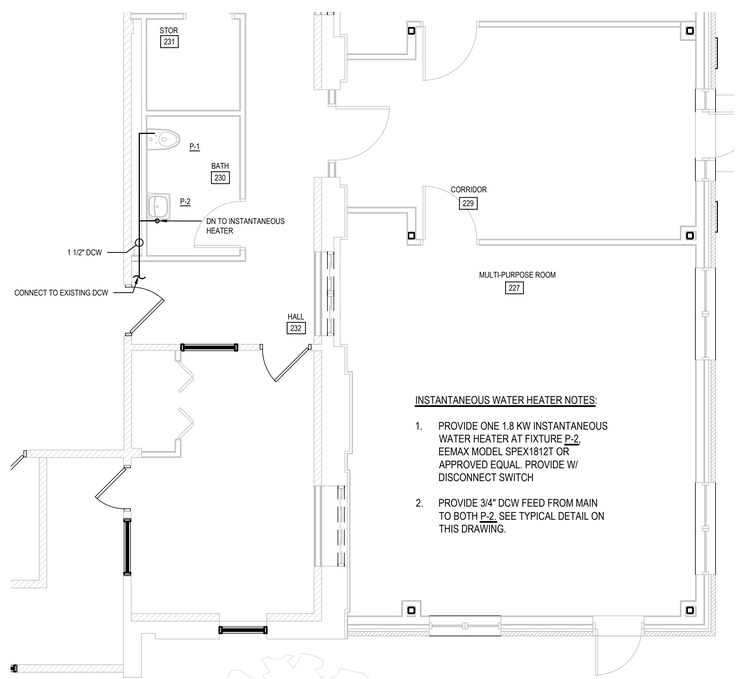
3 / M-101 POINT-OF-USE INSTANTANEOUS WATER HEATER DETAIL

SCALE: NOT TO SCALE



1 / P-101 PLUMBING SANITARY NEW WORK PLAN

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

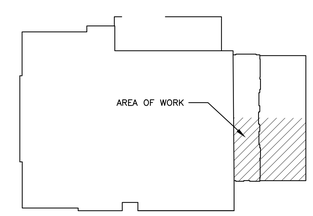


INSTANTANEOUS WATER HEATER NOTES:

1. PROVIDE ONE 1.8 KW INSTANTANEOUS WATER HEATER AT FIXTURE P-2. EEMAX MODEL SPEX1812T OR APPROVED EQUAL. PROVIDE W/ DISCONNECT SWITCH
2. PROVIDE 3/4" DCW FEED FROM MAIN TO BOTH P-2. SEE TYPICAL DETAIL ON THIS DRAWING.

2 / P-101 PLUMBING DOMESTIC NEW WORK PLAN

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



SWIFT COMMUNITY CENTER

KEY PLAN

STUDIOJAED
ARCHITECTS ◻ ENGINEERS ◻ FACILITIES SOLUTIONS
Email: info@StudioJAED.com
Website: www.StudioJAED.com
MARYLAND OFFICE 213 FRONT STREET, P.O. BOX 754 CRUMPTON, MARYLAND 21625
PROVIDENCE OFFICE 42 WEYBOSSET STREET, STE. 403 PROVIDENCE, RHODE ISLAND 02903 P: (401) 648-0884
DELAWARE OFFICE 200 WRANGLE HILL ROAD, STE. 110 BEAR, DELAWARE 19701 P: (302) 832-1525

CONSULTANT

ARCHITECT / ENGINEER SEAL

PROJECT

TOWN OF EAST GREENWICH

SWIFT COMMUNITY CENTER EXPANSION

SWIFT COMMUNITY CENTER

121 PEIRCE STREET
EAST GREENWICH RI 02818

REVISIONS

MARK	DESCRIPTION	DATE
2	ADDENDA 2	12/11/2024

SHEET TITLE

PLUMBING PLAN

ISSUED FOR BID

NOVEMBER 6, 2024

DRAWN	CHK'D	PROJECT NO.
KW	BZ	24065

SHEET NO.

P-000

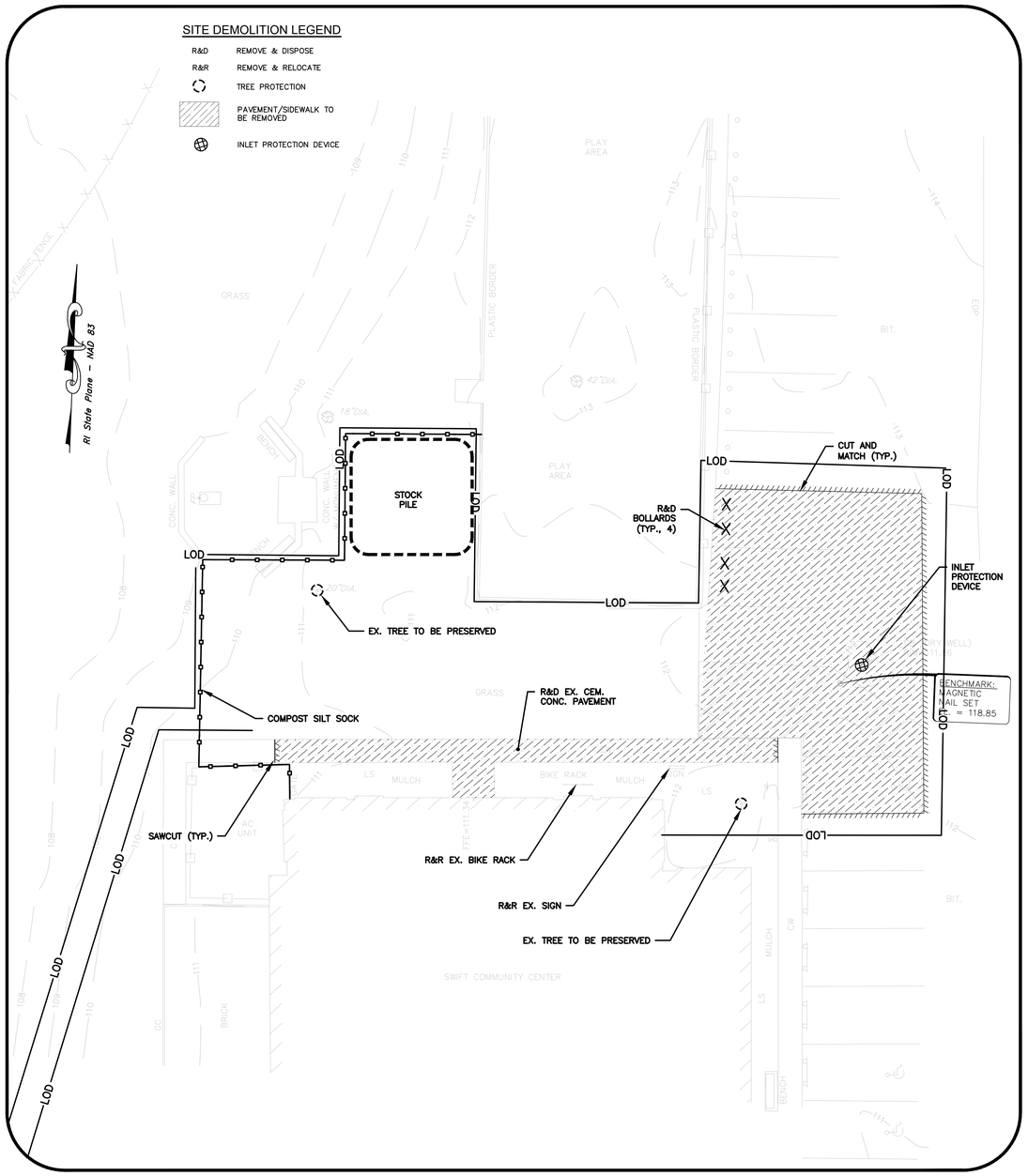
12/11/2024 3:19 PM

SHEET NOTE:

SEE SHEET C-1 FOR GENERAL NOTES & LEGEND.

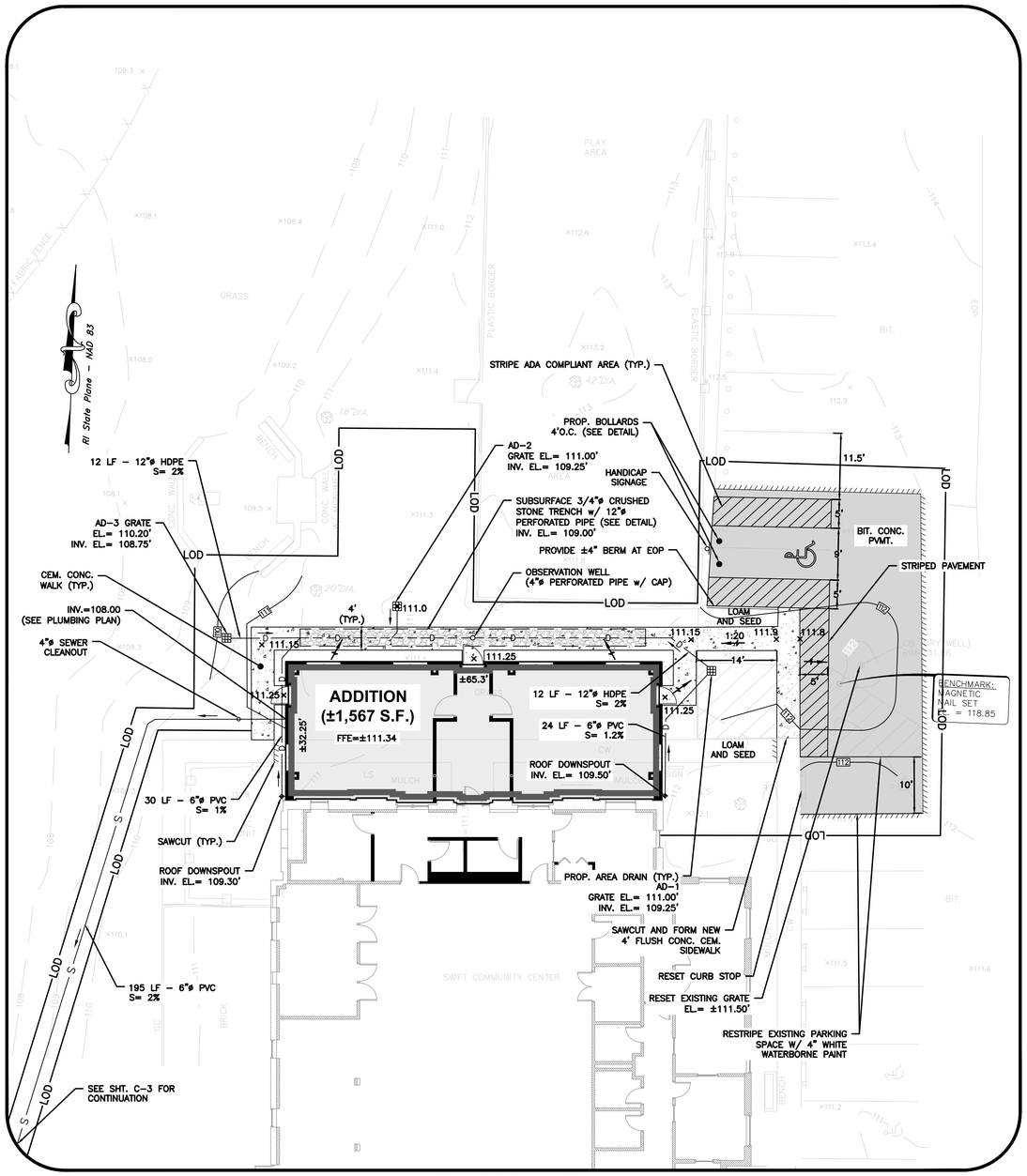
SITE DEMOLITION LEGEND

R&D	REMOVE & DISPOSE
R&R	REMOVE & RELOCATE
	TREE PROTECTION
	PAVEMENT/SIDEWALK TO BE REMOVED
	INLET PROTECTION DEVICE



DEMOLITION PLAN

SCALE: 1"=10'



SITE LAYOUT / GRADING PLAN

SCALE: 1"=10'

1" = 10'

STUDIO JAED

CONSULTANT

ARCHITECT & MEP ENGINEER
STUDIO JAED
DELAWARE OFFICE
2500 WILMINGTON HILL ROAD, STE 110
BEAR, DELAWARE 19701
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42 WEYBOSSETT STREET, STE 403
PROVIDENCE, RHODE ISLAND 02903
P: (401) 648-0884

CIVIL ENGINEER
GARAFALO & ASSOCIATES, INC.
P.O. BOX 6145
PROVIDENCE, RI 02940
401-273-6000

ARCHITECT / ENGINEER SEAL

PROJECT

TOWN OF EAST GREENWICH
SWIFT COMMUNITY CENTER
ADDITIONS
AT THE
121 PEIRCE STREET
EAST GREENWICH, RI 02818

REVISIONS

Mark	Date	Description
1	12/10/24	SEWER ALTERNATIVE

SHEET TITLE

DEMOLITION, SITE LAYOUT & GRADING PLAN

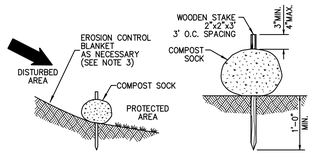
FOR BID

NOV. 6, 2024

DRAWN	CHKD	PROJECT NO.
KJA	SSH	7512.0

SHEET NO.

C-2

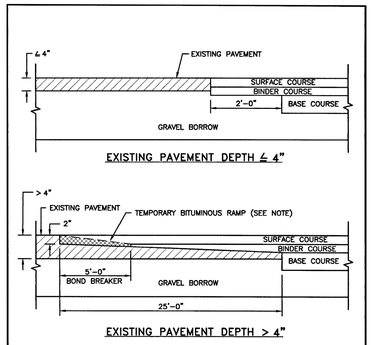


NOTES:

1. COMPOST SOCK SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS. COMPOST SOCK SHALL BE A MINIMUM OF 8" IN DIAMETER.
2. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
3. WHEN PLACING COMPOST SOCK ON SLOPES, USE EROSION CONTROL BLANKET IF SPECIFIED ON PLANS.
4. ALWAYS INSTALL COMPOST SOCK PERPENDICULAR TO SLOPE AND ALONG CONTOUR LINES.
5. REMOVE SEDIMENT FROM THE UP SLOPE SIDE OF THE COMPOST SOCK WHEN ACCUMULATION HAS REACHED 1/2 OF THE EFFECTIVE HEIGHT OF THE COMPOST SOCK.
6. WHERE COMPOST SOCK IS INSTALLED ON PAVEMENT SHALL BE ADEQUATELY HIGH AT 8'-0" O.C. MIN.

COMPOST SILT SOCK DETAIL

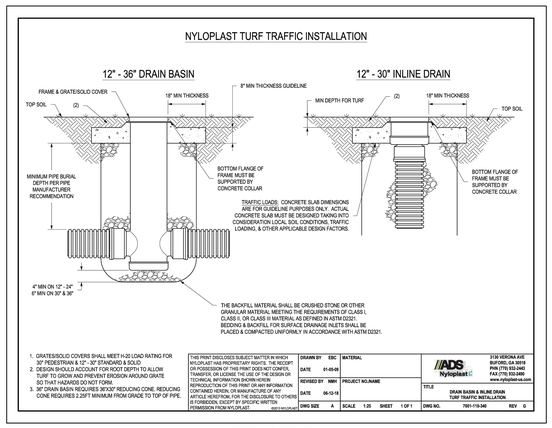
NOT TO SCALE



NOTE:
A BOND BREAKER (TAPERED OR EQUIVALENT) WILL BE PLACED 5'-0" FROM THE JOINT AND COVERED WITH THE BINDER COURSE AS THE TEMPORARY RAMP. PRIOR TO PLACING THE SURFACE COURSE, THE BINDER COURSE AND BOND BREAKER WILL BE REMOVED.

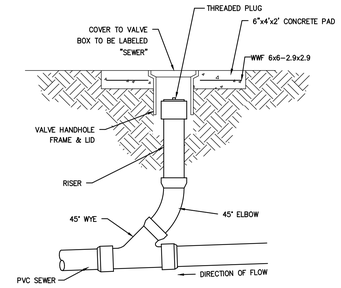
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS			TRANSVERSE PAVEMENT CUT AND MATCH	
NO.	BY	DATE		
			JOINT CONTROL ENGINEER / CHIEF ENGINEER OF CONSTRUCTION — CHIEF ENGINEER OF TRANSPORTATION — JUNE 15, 1998 IMAGE DATE	R.I. STANDARD 47.1.1



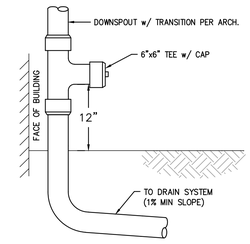
AREA DRAIN

NOT TO SCALE



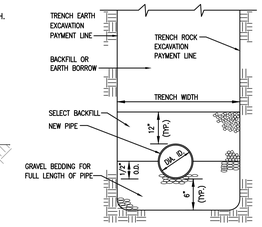
SEWER CLEANOUT

NOT TO SCALE



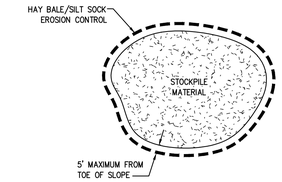
DOWNSPOUT CONNECTION

NOT TO SCALE



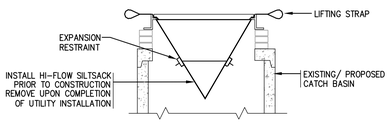
TRENCH SECTIONS

NOT TO SCALE



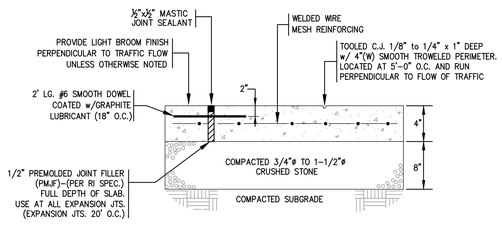
STOCKPILE DETAIL

NOT TO SCALE



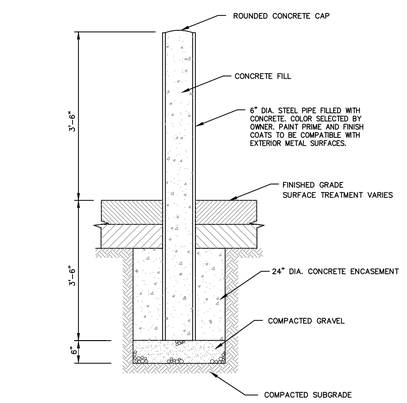
SILTSACK®AT CATCH BASIN

NOT TO SCALE



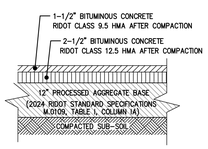
CONCRETE SIDEWALK DETAIL

NOT TO SCALE



BOLLARD

NOT TO SCALE

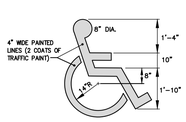


NOTES:

1. THE SOIL MUST HAVE A MOISTURE CONTENT DRY OF OPTIMUM AS DETERMINED BY THE MOISTURE-DENSITY RELATIONSHIP TEST METHOD ASTM D1557.
2. THE SOIL CAN BE COMPACTED TO 98% OF THE MAXIMUM STANDARD PROCTOR DENSITY AS DETERMINED BY THE MOISTURE-DENSITY RELATIONSHIP TEST METHOD ASTM D1557.
3. THE SOIL SHALL NOT BE USED IF THE MATERIAL CONTAINS ORGANIC MATTER, RUBBLE, DEBRIS OR ANY OTHER DELETERIOUS MATERIAL.

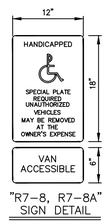
BITUMINOUS CONCRETE PAVEMENT

NOT TO SCALE

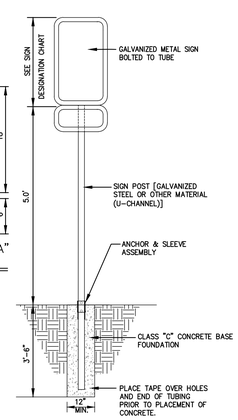


HANDICAP SYMBOL

NOT TO SCALE

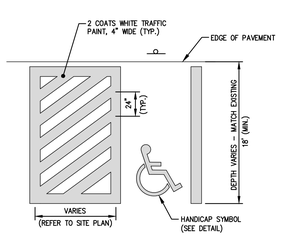


"R7-8, R7-8A" SIGN DETAIL



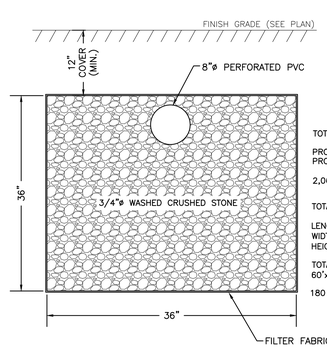
SIGNAGE

NOT TO SCALE



PAVEMENT STRIPING

NOT TO SCALE



STONE TRENCH SIZING CALCULATIONS:

TOTAL STORAGE REQUIRED:

PROPOSED ADDITION: 1,567 SF
PROPOSED SIDEWALKS: ±500 SF

2,067 SF / 12 = 172.25 CU. FT. REQUIRED

TOTAL STORAGE PROVIDED:

LENGTH = 60'
WIDTH = 3'
HEIGHT = 3'

TOTAL STORAGE:
60'x3'x3'x33% (VOIDS) = 180 CU. FT. PROVIDED

180 CF > 172 CF O.K.

STONE TRENCH DETAIL

NOT TO SCALE

SEWER CONNECTION ALTERNATIVE

NOT TO SCALE

STUDIO JAED

CONSULTANT

ARCHITECT & MEP ENGINEER
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PROVIDENCE, RI 02940
401-273-6000

ARCHITECT / ENGINEER SEAL

PROJECT

TOWN OF EAST GREENWICH
SWIFT COMMUNITY CENTER
ADDITIONS
AT THE
121 PEIRCE STREET
EAST GREENWICH, RI 02818

REVISIONS

Mark	Date	Description
1	12/10/24	SEWER ALTERNATIVE

SHEET TITLE

CONSTRUCTION DETAILS

FOR BID

NOV. 6, 2024

DRAWN	CHK'D	PROJECT NO.
KJA	SSH	7512.0

SHEET NO.

C-3