

Shelburne Beach House Project
407 Beach Rd., Shelburne, VT 05482
Town of Shelburne RFI Response
Feb. 3, 2023

1. Is project tax exempt?
Response: The project is confirmed to be tax-exempt.
2. Please confirm contract will be a standard AIA-form A104-2017 or similar.
Response: Confirmed that contract will be standard AIA form A104-2017 or similar.
3. Please confirm Owner is responsible for any Zoning permit if required.
Response: Owner is responsible for all State and local permits required.
4. Please confirm there are no special wage or reporting requirements applicable to this project (ex: Section 3, Davis-Bacon, etc.)
Response: At this time, there are no known special wage or reporting requirements. If the Town uses ARPA funds for this project and it is determined that special wages and reporting will need to apply, we will work with the contractor who was awarded the project to amend the contract as necessary at that time. Bidders should assume no special wages or reporting requirements.
5. Please provide the HazMat testing report for the existing building.
Response: HazMat report concluded no lead paint, no asbestos in roofing, and no PCB's. Asbestos was found in caulking bead around restroom doors. This will be removed by others before demolition and should not be included in the bid.
6. Insurance and payments are listed as "TBD" on T-001 – please clarify what bidders can expect. / Are there any project specific insurance requirements over and above the basic?
Response: Proof of Liability Insurance with at least \$1,000,000 per occurrence and \$2,000,000 in aggregate and Statutory Worker's Compensation Insurance is required. Bills and invoices may be submitted monthly with net 30 day terms.
7. Please confirm there will be a public bid opening for this project.
Response: A public bid opening is scheduled for 2:00 p.m. on Friday, Feb. 10, 2023 at the Shelburne Town offices, meeting room 2.
8. Please confirm all signage will be by owner including the mural at Porch 107.
Response: All signage including porch mural will be provided and installed by Owner.
9. As discussed at the walk through, please confirm that bidders can assume the (6) cedars east of the existing building will not survive transplant. Please provide size desired for replacement cedars.

Response: A minimum of 6 foot cedar (Eastern Arborvitae) shall be used for replacement.

10. Please confirm orange 'snow fence' is acceptable for the temporary site fence during the project.

Response: Confirmed that orange snow fence is acceptable.

11. Please confirm landscaping other than seed/mulch and transplanted cedars is by Owner.

Response: All landscaping beyond the seed/ mulch and transplanted cedars will be the responsibility of the Owner.

12. Have any borings been completed at the site? If yes, please provide this information. Any info available about height of the water table?

Response: No borings have been completed. Water table is unknown.

13. Please confirm Owner is responsible for verifying the soil bearing pressure noted on S0.1-D-2.

Response: Confirmed that owner will verify when excavation is complete to footing elevation.

14. Please confirm owner will pump out and sanitize the existing septic tank before work begins.

Response: Owner will be responsible to pump out and sanitize existing septic tank before work begins.

15. Please confirm existing septic tank can be broken up and buried on site.

Response: Septic tank must be removed and disposed of off site with other building debris.

On the Following pages are the RFI responses from Sidehill Design and Rush Meadow Consulting with answers to questions specific to their areas of expertise.

Please note Attachments to Rush Meadow Consulting for amended drawings.

Project: Shelburne Beach House
407 Beach Road
Shelburne, Vermont 05482

Submittal: RFI Responses: Bid Drawings Dated 12/19/2022

Date Returned: February 2, 2023

Response: Please reference RFI Responses to bidder questions below

Questions: 1. There are a number of references to 'the specs' on the drawings, please confirm there are no separate specifications and/or project manual other than what is included on the drawing sheets listed on T-000.

Response: Confirmed

2. T-001 notes that bidders shall comply with 'Building Codes and the VT Energy Code.' Please confirm that bidders can assume the design and details provided meet these requirements.

Response: Yes, Design and details are intended to comply with these requirements, and drawings are reviewed and permitted accordingly. This does not absolve builders of code requirements.

3. Please advise the width of the T&G siding boards being provided by the Owner.

Response: It is currently to be determined, assume 1x6 T&G board size for bidding.

4. Please confirm bidders can assume sufficient material will be provided by Owner to cover typical waste/cutoffs to complete the siding installation.

Response: Confirmed

5. Please confirm that the material for the soffits and fascia is being provided by the Owner as part of the siding package to be installed by Contractor.

Response: Confirmed.

6. Please confirm that the material for the ceilings is being provided by the Owner as part of the siding package to be installed by Contractor.

Response: Confirmed.

7. Please provide detail/spec for the bottom of the sliding doors: recessed roller guide, latch lock, bottom track?

Response: Latch lock is Swivel Locking Bar Latch by Crown Industrial, as noted in T001. Bottom track is a dado reveal in bottom of door panel, no separate track. Recessed roller guide is not listed in drawings or specifications, please use Wall Mounted Stay Double Roller CRS14x12 by Crown Industrial.

8. Please provide spec for door 105, currently listed as TBD.

Response: See specifications T-001, door is noted as, "Lifeguard: Simpson Exterior Wood 49900 Contemporary Fir Door with ball bearing hinges, composite primed frame, public access threshold, no casing. Door to be painted with Wood-framed door with painted and clad on exterior to match siding. See drawings for type and size. Hardware to be determined."

9. Detail 1/A-410 has a circular reference to itself, please advise which sub-detail this should be referencing.

Response: 6/A4.00.

10. Please advise angle sizes for the steel bench supports shown on 4/A-410.

Response: Condition is design-build with miscellaneous metals for support.

11. Please provide details for benches in rooms 102/103/104, same are shown shallower than bench at Porch 107.

Response: Benches in 103 & 104 please provide similar detailing to Porch 107, with depth of 1'-6" and total height of 4". Total width is 5'-10 1/2", it is assumed miscellaneous metal supports can span side-to-side instead of buttressed in exterior wall. Bench 102 requires additional back support, and outside corner can have vertical leg for support. Material detailing to be similar to Porch 107.

12. Elevation 9/A-501 appears to show a seat back panel at the bench, no back is shown on detail 4/A-410.

Response: See response above.

13. Please provide specs/details for the lockable cubbies shown on 33/A5.03.

Response: Lockable cubbies to match cabinetry specifications, with cabinet hinges and key accessed lockable cam-locks.

14. Please advise whether the shelves in Lifeguard 105 are painted or clear finish (or stained)? If clear or stained, please advise wood species desired. If painted, please confirm AC plywood boxes with FJ poplar frames is acceptable.

Response: Cabinetry to be painted. Plywood Grade AC or better, poplar face frames is acceptable, no finger joints.

15. Please confirm furniture shown on 1/A-504 is by Owner.

Response: Confirmed.

16. Concrete finish described on S0.1-E-18 conflicts with concrete finish described on T-001. Please advise which is to be followed.

Response: Follow S0.1-E-18 for concrete finish specifications.

17. S0.1-Q-12 calls out a #15 asphalt building wrap not shown on wall details. Please confirm the Benjamin Obdyke Slicker Classic noted on T-001 takes place of the #15 asphalt wrap.

Response: Confirmed.

18. Please provide spec for the access panel to the attic.

Response: Please provide min 18x18 removable panel with concealed hinges, finished flush to ceiling with cladding to match adjacent ceiling.

19. 1/A-302 notes that area under the showers slopes to the single drain. Is the concrete to be sloped, or is the fluid applied membrane built up to create the slope over a level concrete pad?

Response: Concrete is to be sloped, as shown on S1.1, with fluid applied membrane on top as noted on 1/A-3.02.

20. Please provide details/specs for the vanities.

Response: Specifications T001 notes, "Bathroom Vanities: 3/4" p-lam countertops with 3/4" finished plywood cabinetry." Please assume cabinetry is painted, with a removable face for access to water heater and plumbing fittings. No drawers or additional requirements. Profile and dimensions as per drawings.

21. Vanity in Unisex 104 appears smaller than the WH-1 heater shown to be installed inside of it.

Response: Please amend height of Vanity in Unisex 104 to 1'-6" tall to accommodate WH-1, specified as HomeAdvantage II Model 13240 (approximately 11.5" x 8" x 3.75").

22. Please provide details for the bluestone walkway and steps notes on C2.0.

Response: Please provide 18 x 30" staggered running bond bluestone pavers, min 1 ½" thick with ½" stonedust swept joints, 1" max stonedust setting bed, 12" compacted crushed stone base with geotextile fabric underlay on undisturbed earth or approved fill compacted to 95% standard proctor.



RUSH MEADOW CONSULTING LLC

Jeff McBride, AIA, LEED AP BD+C
Principal Architect
Sidehill Design Studio, LLC

02/02/2023

Mr. McBride,

I have reviewed the RFI questions from the electrical contractor. As this facility will be seasonal, it is noted that smoke detectors etc. will trip unnecessary due to the unconditioned space in the winter. Therefore, I will be removing the smoke detectors from the design. At this time, the only available low temperature detection devices would be heat detection only. It is unlikely that a heat detection device would be adequate to alert the Shelburne fire department with enough time to address a fire at the facility. Since this is an unsprinklered space, there will be the risk that the facility could have a fire without notification. If the town or fire department deem this a substantial risk, we can add a heat detector with a relay to the town fire department. Because of the occupancy of the building, National Electric Code (NEC) does not require addressable devices or the use of smoke detectors. At this time I have removed all devices from the construction documents.

Sincerely,
Derek Siegler P.E., Principal
Rush Meadow Consulting



RUSH MEADOW CONSULTING LLC

Rush Meadow Consulting (RMC) Project # 1052

RFI Response date: 2/1/2023

RFI #1:

Please reference RFI Responses to bidder questions below:

Questions:

1. CO and Smoke detectors are not rated for low temperatures.

Response: No smoke detection or CO will be required. At this time, no Fire Protection devices will be installed unless required by the town of Shelburne. Updated drawings indicate the removal of all FA devices. Reference updated E1.11 attached.

2. Electrical drawings indicate hard wired flushometers for toilets.

Response: All flushometers for toilets are manual. Sinks will remain to have hardwired faucets. This will require coordination between the plumbing contractor and electrical contractor as these faucets may be purchased with DC wiring for single or multiple faucets. A junction box is required for each connection.

3. L-1 tagged on M1.10, but not scheduled, need selection # and dimension.

Response: Provide Greenheck EDJ-401-18x18 louver. Reference updated mechanical plan M1.11 attached.

4. Drawing E1.10. lifeguard room 105. Since the electric panel is in this room, the ceiling occupancy sensor shown in this room is a NEC code violation, article 110.24D. This sensor should be removed from the project. Correct?

Response: Occupancy sensor is efficiency code required. If deemed to be in violation we will work with local AHJ to be removed. For bidding purposes OC sensor remains in room.

5. details on drawing A-105 indicate hand dryers in restrooms. Electric drawing E1.10 plan and panel schedule does not indicate any hand dryers. Please clarify.

Response: Hand dryer junction boxes and circuits have been updated on electrical plans to match architectural. Reference updated E1.10



RUSH MEADOW CONSULTING LLC

6. There seems to be a conflict between electrical and plumbing drawings regarding the water heaters (WH-1). Electric drawing indicate a 120 volt 20 amp circuit to each water heater. Drawing P5.01, the "WH-1" model number represents a 13KW 240 volt circuit per heater. Please clarify.

Response: Water heater model has been revised to HA008240 8 KW and 40 Amp 2 Pole breaker and 2-#8, 1#10G, 3/4" conduit for each water heater provided.

7. Drawings T-000 & E1.10, please provide more details on how the smoke detector are to notify the fire department. How would a relay to this? There no auto dialer called out on E drawing. This building is not climate controlled. Smoke detectors are not listed for temperatures below 40 degrees. A dialer would required a conditioned room.

Response: Fire alarm devices have been removed due to temperature constraints.

8. Hardwired telephone shown, where will the demarcation point be located? On the exterior of the building?

Response: Telephone demarcation point is to be located on interior wall adjacent to electrical panel MDP. Coordinate with service provider.

9. Will we be able to use the existing power feed for temporary power for the project?

Response: Existing power feed may be used for construction. Provide temporary backboard and load center as required. Coordinate with GC.

10. E1.10 notes an ADA lift that is not mentioned elsewhere, please confirm this note can be disregarded

Response: Existing lift is located at stairs to beach. Existing conduit was improperly installed and drains rain water. New conduit and feed shall be provided to existing lift location. Coordinate site work with GC. Approximate length of conduit and feed from new building is 250'.

11. Please confirm SH-1 and SH-2 valves should receive both DCW and DHW feeds.

Response: Per discussion with state plumbing inspector, tempered water is required at these locations. Design intent as indicated on plans is to provide a single tempered water feed to the showers from a dedicated mixing valve originating at the water heater.



RUSH MEADOW CONSULTING LLC

Notes:

Electrical service size feed has increased in size.

MDP Panel size has increased to 225 Amp.

Water heater size has decreased and new model number is provided in RFI responses.

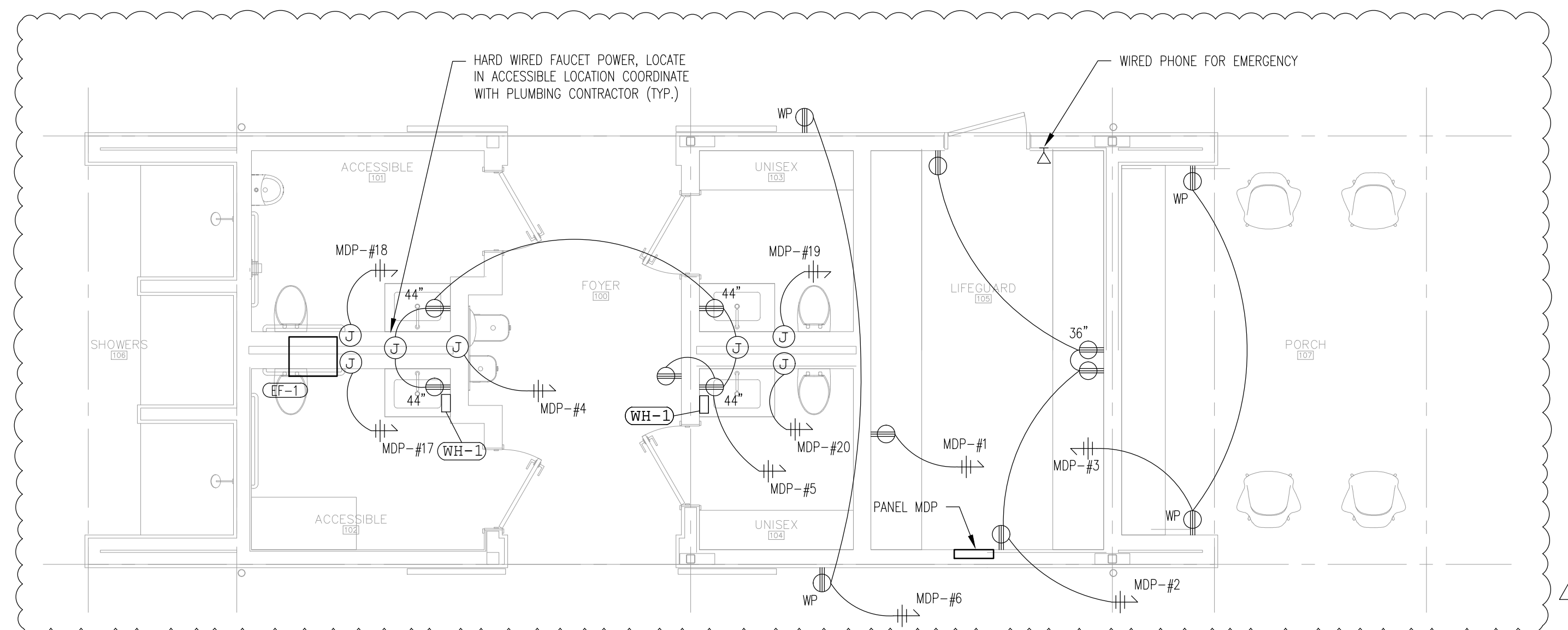
Louver size and specification have been provided.

Attachments:

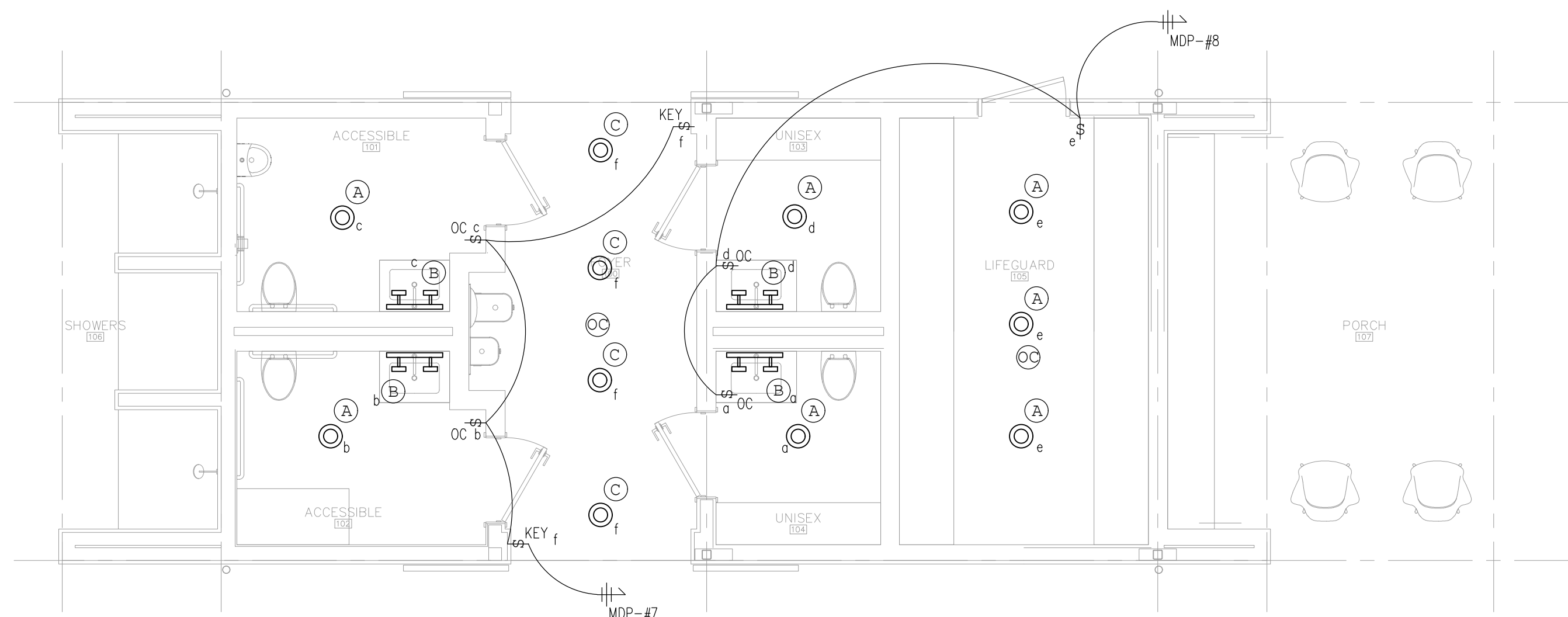
Drawing E1.10- 1/30/2023 RFI #1

Drawing M1.10- 1/30/2023 RFI #1

Drawing P5.01- 1/30/2023 RFI #1



1 FIRST FLOOR POWER/TELCOM PLAN
1/16/23



1 FIRST FLOOR LIGHTING PLAN
1/16/23

ELECTRICAL NOTES:

- ALL ELECTRICAL INSTALLATION SHALL MEET ALL APPLICABLE CURRENT NEC, STATE, AND LOCAL CODES.
- MC CABLE WILL BE ACCEPTABLE IN GENERAL CIRCUITING AS ALLOWED BY CODE AND APPROVED BY ENGINEER AND OWNER.
- NA

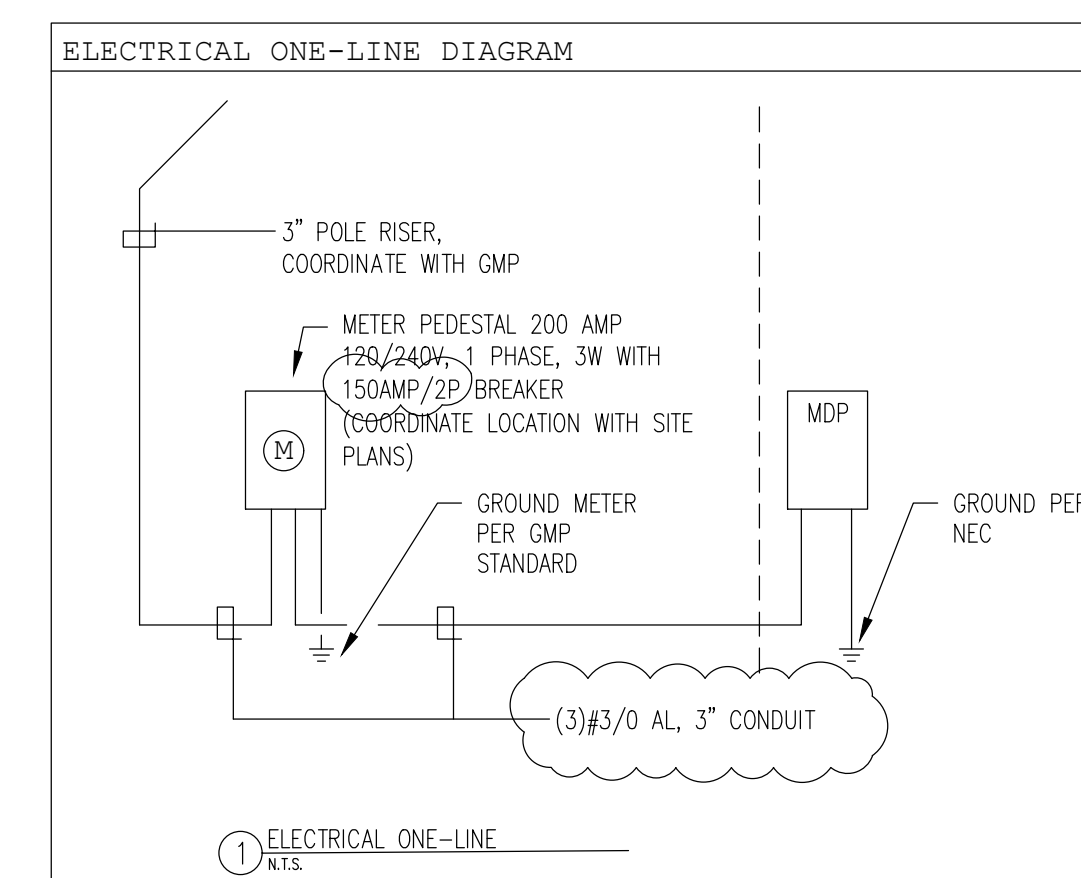
ELECTRICAL	
SYMBOL	DEFINITION
	EXISTING ELECTRICAL EQUIPMENT
	DEMO ELECTRICAL EQUIPMENT
	ELECTRICAL NEW WORK

ELECTRICAL LEGENDS

SYMBOL	DEFINITION
	SIMPLEX RECEPTACLE
	DUPLEX RECEPTACLE
	QUAD RECEPTACLE
	GFCI RECEPTACLE
	WEATHER PROOF RECEPTACLE
	SPECIAL RECEPTACLE
	LIGHT FIXTURE (EM INDICATES EMERGENCY)
	LIGHT FIXTURE (EM INDICATES EMERGENCY)
	TELEPHONE CONNECTION
	DATA CONNECTION CAT 6 (2) ACTIVE MINIMUM
	HORN STROBE
	PULL STATION
	STROBE
	FA JB CONNECTION POINT
	CO SENSOR
	SMOKE DETECTOR
	PANEL OR LOAD CENTER
	HOME RUN
	SWITCH
	THREE WAY SWITCH
	FOUR WAY SWITCH
	OCCUPANCY SENSOR SWITCH
	KEYED SWITCH
	DIMMING SWITCH
	OCCUPANCY SENSOR
	MOTOR STARTER

NOTES:

- ALL ELECTRICAL WORK SHALL BE INSTALLED PER CURRENT NEC AND LOCAL CODE REQUIREMENTS.
- PROVIDE PANEL SCHEDULES IN ALL PANELS, TYPED.
- LABEL ALL CIRCUITS.
- ELECTRICAL CONTRACTOR TO VERIFY ANY EQUIPMENT SUBSTITUTIONS WITH MECHANICAL CONTRACTOR AND REVISE CIRCUIT SIZE AS REQUIRED TO ACCOMMODATE SUBSTITUTION.
- ALL WIRING TO BE INSTALLED UTILIZING MC CABLE



1 ELECTRICAL ONE-LINE
1/16/23

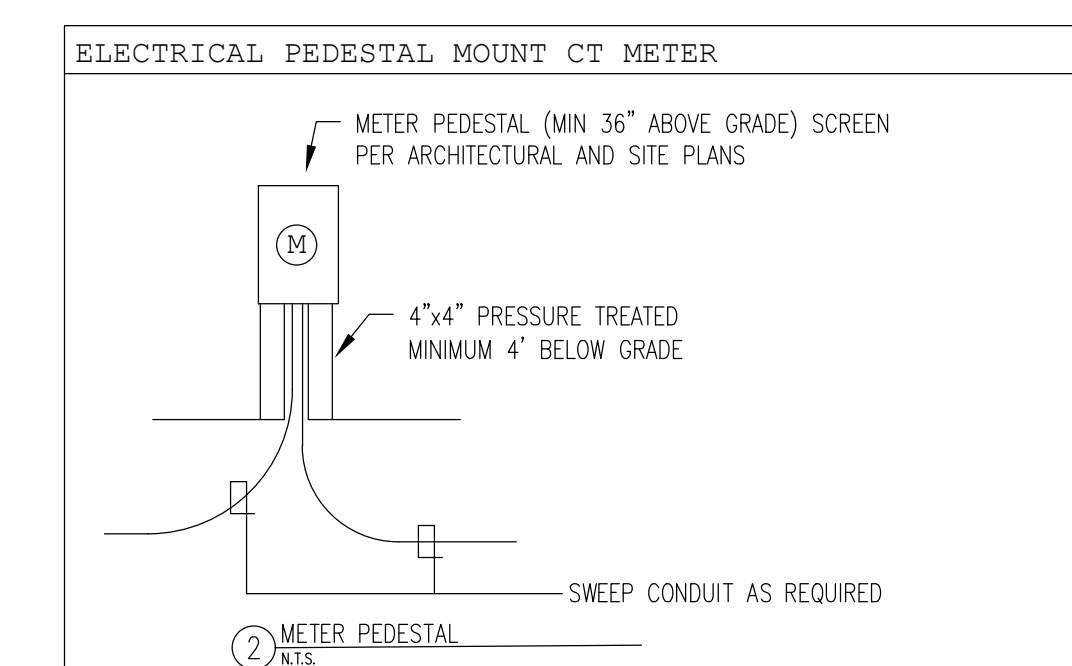
LIGHTING SCHEDULE				
TAG	TYPE	MODEL	VOLTAGE	NOTES
A	WET LOCATION SURFACE MOUNT 6"LED SELECTABLE COLOR TEMPERATURE	HALO SLDSL6	120 V	-
B	VANITY LED SCONCE	LUNE VANITY LIGHT BY ED ELLEN DEGENERES	120 V	AGED IRON (2) LIGHTS, PROVIDE (2)20W 2700K LED BULBS
C	45 DEGREE RECESSED CAN LIGHT	HALO HL6-TRM7MB	120 V	BLACK TRIM

NOTES: COORDINATE LIGHT LOCATIONS WITH ARCHITECTURAL PLANS

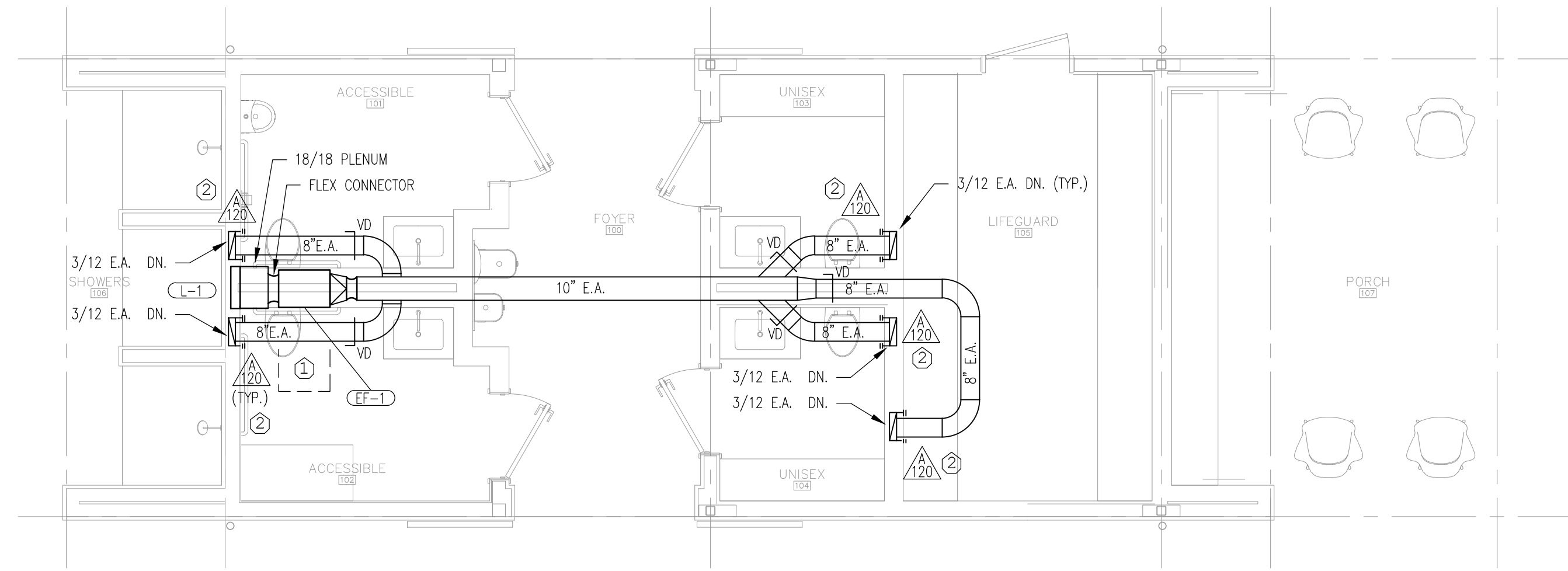
PANEL SCHEDULE: PANEL MDP				
MODEL: SQUARE D	NEUTRAL: ALUMINUM	AIC: 22 KAIC		
225 AMP	MCB SERVICE ENTRANCE			
1 PHASE 120/240 V				
RECEPTACLES	1P-20 AMP	1	2	1P-20 AMP RECEPTACLES
RECEPTACLES	1P-20 AMP	3	4	1P-20 AMP RECEPTACLES
RECEPTACLES	1P-20 AMP	5	6	1P-20 AMP RECEPTACLES
LIGHTING	1P-20 AMP	7	8	1P-20 AMP LIGHTING
ADA LIFT	2P-40 AMP	9	10	1P-20 AMP EF-1
-	-	11	12	1P-20 AMP SPARE
WH-1	2P-40 AMP	13	14	2P-40 AMP WH-1
-	-	15	16	-
HAND DRYER	1P-20 AMP	17	18	1P-20 AMP HAND DRYER
HAND DRYER	1P-20 AMP	19	20	1P-20 AMP HAND DRYER
SPARE	1P-20 AMP	21	22	1P-20 AMP SPARE
SPACE		23	24	SPACE
SPACE		25	26	SPACE
SPACE		27	28	SPACE
SPACE		29	30	SPACE

NOTES:

- ALL RECEPTACLES TO BE GFCI
- WEATHER PROOF WHILE IN USE RECEPTACLES TO BE LOW PROFILE EXTRA DUTY. COLOR BY ARCHITECT.
- RE-FEED EXISTING ADA LIFT. PROVIDE NEW CONDUIT TO LIFT LOCATION. INSTALL #8AWG FEED TO LIFT LOCATION.



2 METER PEDESTAL
1/16/23



1 TRUSS LEVEL MECHANICAL PLANS
TYPE 9

MECHANICAL SPECIFIC NEW WORK NOTES:

- COORDINATE ACCESS LOCATION WITH ARCHITECTURAL ACCESS PANEL LOCATION. RUN DUCT SO THAT FULL FAN ACCESS IS PROVIDED FOR SERVICE. RUN DUCT ABOVE FAN ACCESS.
- INSTALL EXHAUST GRILLES USING TAMPER PROOF SCREWS.

EXHAUST FAN SCHEDULES					
TAG	DESCRIPTION	MODEL	CFM	WG	NOTES
EF-1	BATHROOM EXHAUST FAN	GREENHECK SQ-99-VG	600	1.0"	PROVIDE WITH VARIABLE SPEED CONTROLLER, REMOTE MOUNTED ADJACENT TO FAN
NOTES:					
<ol style="list-style-type: none"> PROVIDE VIBRATION ISOLATION AT ALL 4 HANGER POINTS. INSTALL FLEXIBLE DUCT CONNECTIONS AT INLET AND OUTLET OF FAN CONNECTIONS TO DUCTWORK. FAN TO BE PROVIDED WITH FACTORY POTENTIOMETER FOR SPEED CONTROL, MOUNTED ON FAN. 					

REGISTERS, GRILLES, DIFFUSERS SCHEDULES					
TAG	DESCRIPTION	MODEL	CFM (MAX)	NC (MAX)	NOTES
A CFM	EXHAUST GRILLE	GREENHECK XG-RH 12/8	120	20	COLOR BY ARCHITECT
NOTES:					
<ol style="list-style-type: none"> ALUMINUM GRILLE INSTALL 12" AFF, COORDINATE WITH ARCHITECTURAL DETAILS PROVIDE TAMPER PROOF SCREWS AT GRILLE LOCATIONS 					

LOUVER SCHEDULES						
TAG	DESCRIPTION	MODEL	CFM	PRESSURE DROP	FREE AREA	NOTES
L-1	EXHAUST LOUVER	GREENHECK EDJ-401-18x18	600	0.07"	0.9 SQ FT	COLOR BY ARCHITECT. PROVIDE WITH ALUMINUM BIRD SCREEN. SLOPE PLENUM TO DRAIN PER DETAILS.
NOTES:						
<ol style="list-style-type: none"> COORDINATE INSTALLATION LOCATION WITH ARCHITECTURAL PLANS. 						



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architect seal

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drawing dates
 12/16/2022 CONSTRUCTION DOCUMENTS
 2/1/2023 RF1 #1

sheet name
 MECHANICAL PLANS

sheet number

M1.10

PLUMBING LEGENDS

SYMBOL	DEFINITION
○	PIPE UP/DN
⌋	PIPE ELBOW DN
⊖	BALL VALVE
⊕	GATE VALVE
⌌	CHECK VALVE
∅	BALANCE VALVE
⊗	PRESSURE REDUCING VALVE
⊗⊕	CONTROL VALVE
⌌	STRAINER
Ⓜ	FLOW METER
Ⓡ	GAS REGULATOR
⌌	PRESSURE RELIEF VALVE
	PIPE UNION
⊞	CONDENSATE NEUTRALIZER
⊗	MIXING VALVE
⊞	PUMP
⊞	FLOOR, ROOF, OR PLANTER DRAIN (SEE SCHEDULES)
⊞	TRENCH DRAIN (SEE SCHEDULES)
⊞	PRESSURE GAGE
⊞	THERMOMETER
⊞	LOW POINT DRAIN
⌌	BACKFLOW PREVENTER

DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RETURN
W	WASTE
GW	GREASE WASTE
V	VENT
VTR	VENT TO ROOF
COND	CONDENSATE
IW	INDIRECT WASTE
NG	NATURAL GAS
LPG	LIQUID PROPANE GAS
RL	RAIN LEADER

NOTES:

- POTABLE WATER COMPONENTS TO BE LEAD FREE TO MEET ALL LOCAL AND NATIONAL REQUIREMENTS.
- EACH INDEPENDENT WASTE AND VENT SYSTEM SHALL BE PROVIDED WITH FULL SIZE WHOLE BUILDING VENT PER ALL LOCAL CODE REQUIREMENTS.
- ALL PIPING SYSTEMS SHALL BE SUPPORTED UTILIZING CLEVIS HANGERS. SPLIT RING HANGERS ARE ONLY PERMITTED IN VERTICAL INSTALLATION. ALL HANGERS SHALL BE PROVIDED WITH SHEET METAL SADDLES, AND HANGERS AND SADDLES SHALL BE SIZED FOR PIPE DIAMETER INCLUDING INSULATION. INSULATION ON ALL PIPING SYSTEMS SHALL BE CONTINUOUS.

SYMBOL	DEFINITION
—	EXISTING PIPE
- - -	DEMO PIPE
—	NEW WORK PIPE

PLUMBING SCHEDULES

TAG	DESCRIPTION	MODEL	CWS	HWS	HWSR	W	ID	W	V	COND	NOTES
(WC-1)	FLUSH VALVE WATER CLOSET	AMERICAN STANDARD AFWALL MILLENNIUM 1.6 GPF MODEL #2859.016	1 1/4"	NA	NA	4"	NA	2"	NA	NA	COORDINATE TRIP LEVER ORIENTATION BASED ON FLOOR PLANS. PROVIDE WITH SLOAN UPPER CUT DUAL FLUSH FLUSHOMETER WES-111 MANUAL FLUSHOMETER. PROVIDE MAERICAN STANDARD HEAVY DUTY EVERCLEAN SEAT MODEL #5905.110
(WC-2)	ADA FLUSH VALVE WATER CLOSET	AMERICAN STANDARD AFWALL MILLENNIUM 1.6 GPF MODEL #2859.016	1 1/4"	NA	NA	4"	NA	2"	NA	NA	COORDINATE TRIP LEVER ORIENTATION BASED ON FLOOR PLANS. PROVIDE WITH SLOAN UPPER CUT DUAL FLUSH FLUSHOMETER WES-111 MANUAL FLUSHOMETER. PROVIDE MAERICAN STANDARD HEAVY DUTY EVERCLEAN SEAT MODEL #5905.110
(UR-1)	URINAL	AMERICAN STANDARD MODEL #6045.013.002	3/4"	NA	NA	1 1/4"	NA	1 1/4"	NA	NA	PROVIDE AMERICAN STANDARD MANUAL FLUSH VALVE MODEL 0.125 GALLONS/FLUSH
(L-1)	LAVATORY	AMERICAN STANDARD STUDIO MODEL #0614.000 UNDERCOUNTER LAVATORY	1/2"	1/2"	NA	1 1/4"	NA	1 1/4"	NA	NA	PROVIDE MOUNTING KIT MODEL 047194-0070A. PROVIDE AMERICAN STANDARD NEXTGEN SELECTRONIC 0.35 GPM MODEL 605B.104 SINGLE HOLE BATHROOM FAUCET HARD WIRED. COORDINATE WITH ELECTRICAL CONTRACTOR.PK00.HAC POWER SUPPLY. DAISY CHAIN AS REQUIRED.
(L-2)	ADA LAVATORY	AMERICAN STANDARD STUDIO MODEL #0614.000 UNDERCOUNTER LAVATORY	1/2"	1/2"	NA	1 1/4"	NA	1 1/4"	NA	NA	PROVIDE MOUNTING KIT MODEL 047194-0070A. PROVIDE AMERICAN STANDARD NEXTGEN SELECTRONIC 0.35 GPM MODEL 605B.104 SINGLE HOLE BATHROOM FAUCET HARD WIRED. COORDINATE WITH ELECTRICAL CONTRACTOR.PK00.HAC POWER SUPPLY. DAISY CHAIN AS REQUIRED.
(SH-1)	SHOWER	AMERICAN STANDARD SERIN MODEL #TU064507	3/4"	1/2"	NA	1 1/4"	NA	1 1/4"	NA	NA	SHOWER HEAD. PROVIDE WITH CHICAGO FAUCETS MODEL 770-665PSHCP METERING VALVE
(SH-2)	FOOT SHOWER	OUTDOOR SHOWER COMPANY MODEL #WMFS-442-ADA	1/2"	1/2"	NA	1 1/4"	NA	1 1/4"	NA	NA	ADA COMPLIANT METERED FOOT SHOWER. PROVIDE WITH RK-665 METERING VALVE. 2.5 GPM FOOT SHOWER
(FD-1)	FLOOR DRAIN	ZURN Z415-BZ1-DP-NH	NA	NA	NA	4"	NA	2"	NA	NA	INSTALL 4" TRAP SEAL AT FLOOR DRAIN. SURE SEAL MODEL 97044.
(DF-1)	ADA BI-LEVEL DRINKING FOUNTAIN	ELKAY LZWS-EDFP217K	1/2"	NA	NA	1 1/4"	NA	1 1/4"	NA	NA	PROVIDE WSF6000R-2PK WATER FILTERS WITH UNIT. ORIENTATION TO MATCH ARCHITECTURAL PLANS.
(MX-1)	MIXING VALVE	LEONARD MODEL 370-LF	1/2"	1/2"	NA	NA	NA	NA	NA	NA	LEAD FREE MIXING VALVE. SET TO 208 DEGREES. INSTALL PER MANUFACTURER'S REQUIREMENTS
(WH-1)	DOMESTIC WATER HEATER	HOMEADVANTAGE II MODEL HA008240	1/2"	1/2"	NA	NA	NA	NA	NA	NA	INSTALL BELOW SINK. INSTALL MIXING VALVE AT HOT WATER CONNECTION TO UNIT.
(BF-1)	BACKFLOW PREVENTER	WATTS LEAD FREE 009 1 1/2" REDUCED PRESSURE VALVE	1 1/2"	NA	NA	NA	NA	NA	NA	NA	-
(HB-1)	HOSE BIB	ZURN Z1322XL-EZ	3/4"	NA	NA	NA	NA	NA	NA	NA	STEM LENGTH TO BE COORDINATED WITH WALL FRAMING DIMENSIONS.

NOTES:

- POTABLE WATER COMPONENTS TO BE LEAD FREE TO MEET ALL LOCAL AND NATIONAL REQUIREMENTS.
- EACH INDEPENDENT WASTE AND VENT SYSTEM SHALL BE PROVIDED WITH FULL SIZE WHOLE BUILDING VENT PER ALL LOCAL CODE REQUIREMENTS.
- INSTALL HAMMER ARRESTORS AT END OF EACH FLUSH LINE PIPING.

1 PLUMBING SCHEDULES
N.T.S.

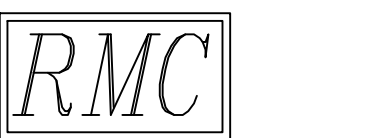
PLUMBING NOTES:

- ALL PLUMBING SHALL BE INSTALLED PER CURRENT NATIONAL PLUMBING CODE AND ADHERE TO ALL LOCAL AND STATE PLUMBING CODE REQUIREMENTS.
- ALL PIPING, JOINTS, SOLDER, FIXTURES AND ANY ADDITIONAL SPECIALTIES ASSOCIATED WITH THE POTABLE WATER SYSTEMS SHALL MEET ALL STATE AND NATIONAL LOW LEAD REQUIREMENTS.
- ALL SUPPLY PIPING 2" OR LESS TO BE TYPE L COPPER WITH LEAD FREE SOLDER FITTINGS. ANY BURIED DOMESTIC PIPING SHALL BE TYPE K COPPER OR HDPE PIPING.
- ALL WASTE PIPING SHALL BE SCHEDULE 40 SOLID CORE PVC PIPING UNLESS OTHERWISE INDICATED. PRIMER AND BONDING AGENT TO BE TINTED TO MEET REQUIREMENTS OF LOCAL AHJ.
- ALL PIPING SHALL BE INSULATED TO MEET THE CURRENT ENERGY EFFICIENCY CODE REQUIREMENTS.
- ALL VALVES AND PIPING ACCESSORIES SHALL BE PROVIDED WITH ACCESS FOR SERVICE AND REPLACEMENT. COORDINATION BETWEEN MECHANICAL CONTRACTOR AND GC WILL BE REQUIRED IN ORDER TO PROVIDE THE REQUIRED ACCESS PANEL LOCATIONS AND SIZES.
- ALL VALVES SHALL BE PROVIDED WITH VALVE TAGS, 1/2" BRONZE STAMPED TAGS WITH METALLIC CHAIN. A VALVE SCHEDULE AND LOCATION CHART SHALL BE PROVIDED AND INSTALLED VISIBLY ADJACENT TO THE ELECTRICAL PANEL.
- ALL DRAIN LOCATIONS SHALL BE PROVIDED WITH ISOLATION VALVES AND SHALL BE PROVIDED WITH THREADED CONNECTION AND THREADED CAP WITH METALLIC CHAIN CONNECTION
- ALL FLUSH VALVE FIXTURE RUNS SHALL BE INSTALLED WITH WATER HAMMER ARRESTORS EQUAL TO PPP SWA-750B OR EQUAL.



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drawing dates
12/16/2022 CONSTRUCTION DOCUMENTS
2/1/2023 RF1 #1

sheet name
PLUMBING
SCHEDULES

sheet number
P5.01