

HEAT-PUMP SCHEDULE														
OUTDOOR UNITS										INDOOR UNITS				
TAG	MAKE	MODEL	COOLING (MBH)	EER	HEATING (MBH)	COP	MCA	MOCOP	VOLTAGE	TAG	COOLING (MBH)	HEATING (MBH)	POWER	REMARKS
ODU-1	TOSOT	TW36HQ3B2D	33.0	10.25	34.6	3.17	32.0	50.0	208V/1	IDU-1	36.0	36.0	FROM ODU	
ODU-2	TOSOT	TW36HQ3B2D	33.0	10.25	34.6	3.17	32.0	50.0	208V/1	IDU-2	36.0	36.0	FROM ODU	
ODU-3	TOSOT	TW18HQ3D6D	18.0	13.5	18.0	3.52	22.0	30.0	208V/1	IDU-3	18.0	18.0	FROM ODU	
ODU-4	TOSOT	TW18HQ3D6D	18.0	13.5	18.0	3.52	22.0	30.0	208V/1	IDU-4	18.0	18.0	FROM ODU	
ODU-5	TOSOT	TW36HQ3B2D	33.0	10.25	34.6	3.17	32.0	50.0	208V/1	IDU-5	36.0	36.0	FROM ODU	
ODU-6	TOSOT	TW36HQ3B2D	33.0	10.25	34.6	3.17	32.0	50.0	208V/1	IDU-6	36.0	36.0	FROM ODU	

ELECTRIC HEATER SCHEDULE					
TAG	MAKE	MODEL	OUTPUT (W)	ELECTRICAL	OPTIONS
BB-1	STELPRO	B0501	500	120V/1	BUILT-IN SINGLE POLE THERMOSTAT

GRILLES, REGISTERS AND DIFFUSERS SCHEDULE					
TAG	MAKE	MODEL	SIZE	MOUNTING	OPTIONS
S-1	KRUEGER	1800	10"x4"	FLOOR	FRAME H
S-2	KRUEGER	80	6"x6"	SURFACE	
S-3	FANTECH	MGS	4"	SURFACE	-
R-1	KRUEGER	S80	8"x6"	WALL	INSTALL AS HIGH AS PRACTICAL

ENERGY RECOVERY VENTILATOR SCHEDULE								
TAG	MAKE	MODEL	ESP (IN.W.C.)	AIRFLOW (CFM)	HEATING EFFECTIVENESS @ 32°F	POWER		OPTIONS
					SENSIBLE	VOLTAGE	AMPERAGE	
ERV-1	FANTECH	SER700	0.5	650	50%	120V/1	5.6	DIGITAL PROGRAMMABLE TIMER

DOMESTIC WATER HEATER SCHEDULE						
TAG	MAKE	MODEL	CAPACITY (USG)	CAPACITY (kW)	VOLTAGE	REMARKS
DWH-1	BRADFORD WHITE	RE340S6	40	1.5	240/1	NON-SIMULTANEOUS

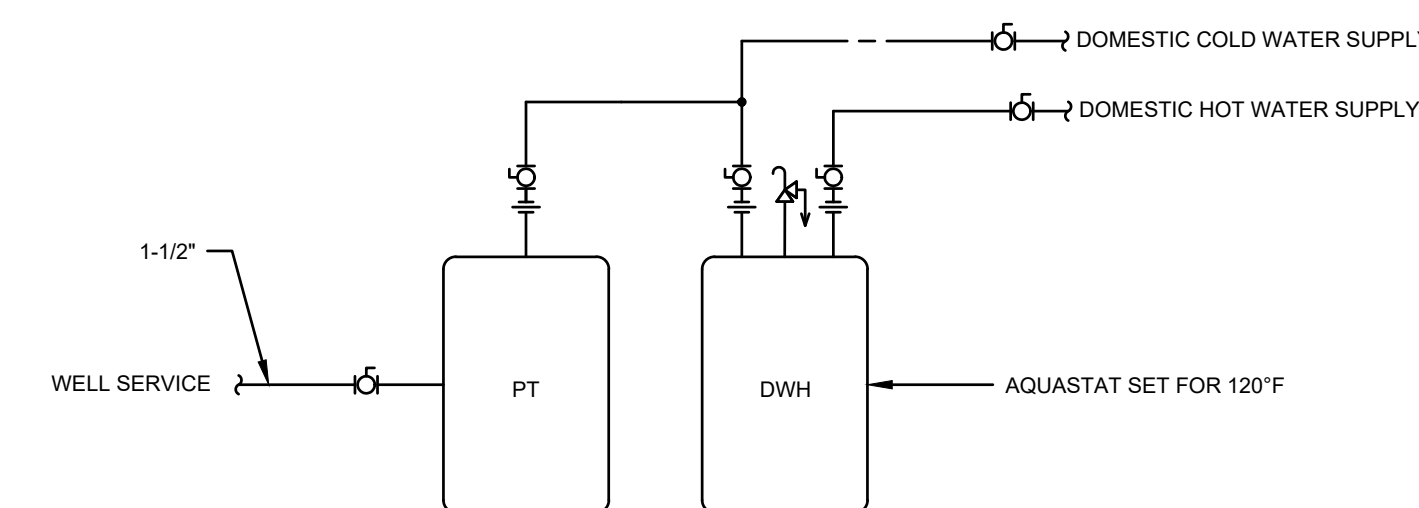
PLUMBING FIXTURE SCHEDULE						
TAG	TYPE	FIXTURE		TRIM		ACCESSORIES
		MAKE	MODEL	MAKE	MODEL	
S-1	3 BOWL SINK	FRANKE	LBT6410	MOEN	8289	FAUCET CENTERED TO SERVE TWO BOWLS, CUSTOM DRILLING
S-2	SINK	FRANKE	LBS6810/316P-1	MOEN	8289	FAUCET TO SERVE SINGLE BOWL, CUSTOM DRILLING
MS-1	JANITOR'S SINK	FIAT	FL-1	MOEN	77925	-
L-1	LAVATORY					REMOVE AND REINSTALL EXISTING
L-2	LAVATORY	AMERICAN STANDARD	DECORUM	MOEN	8417	INSULATE DRAIN AND SUPPLIES, WALL HANGER
WC-1	WATER CLOSET					REMOVE AND REINSTALL EXISTING
WC-2	WATER CLOSET	AMERICAN STANDARD	CADET PRO	-	-	BARRIER-FREE. OPEN FRONT SEAT WITH LID WITH CHECK HINGES

PRESSURE TANK SCHEDULE				
TAG	MAKE	MODEL	TANK VOLUME (USG)	SIZE (DIAxH-IN)
PT-1	AMTROL	WX-205	34.0	22x30

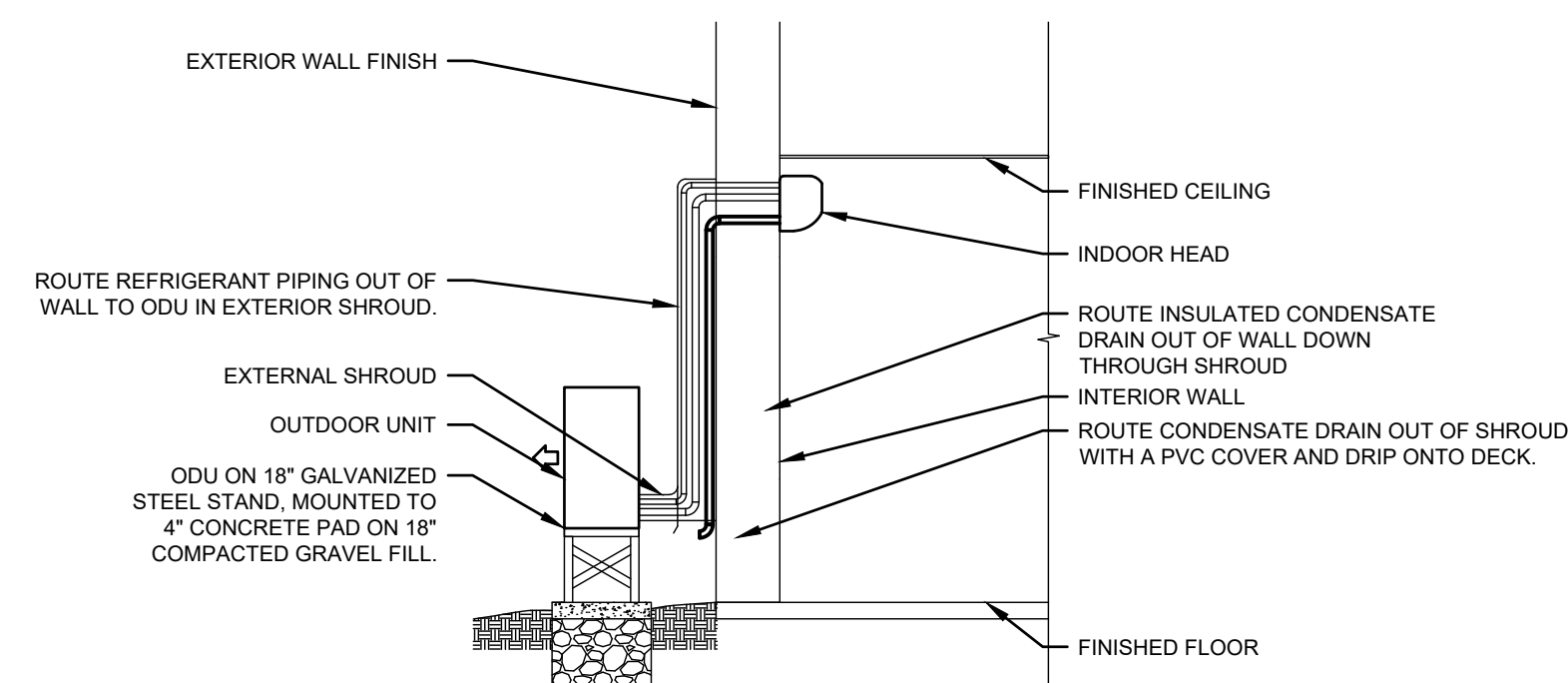
MINIMUM PIPE SIZE SCHEDULE			
FIXTURES	COLD (IN)	HOT (IN)	SANITARY (IN)
FLOOR DRAIN	-	-	2
LAVATORY	1/2	1/2	1-1/4
KITCHEN SINK	1/2	1/2	1-1/2
WATER CLOSET	3/8	-	3
MOP SINK	1/2	1/2	2

**Mechanical Notes:**

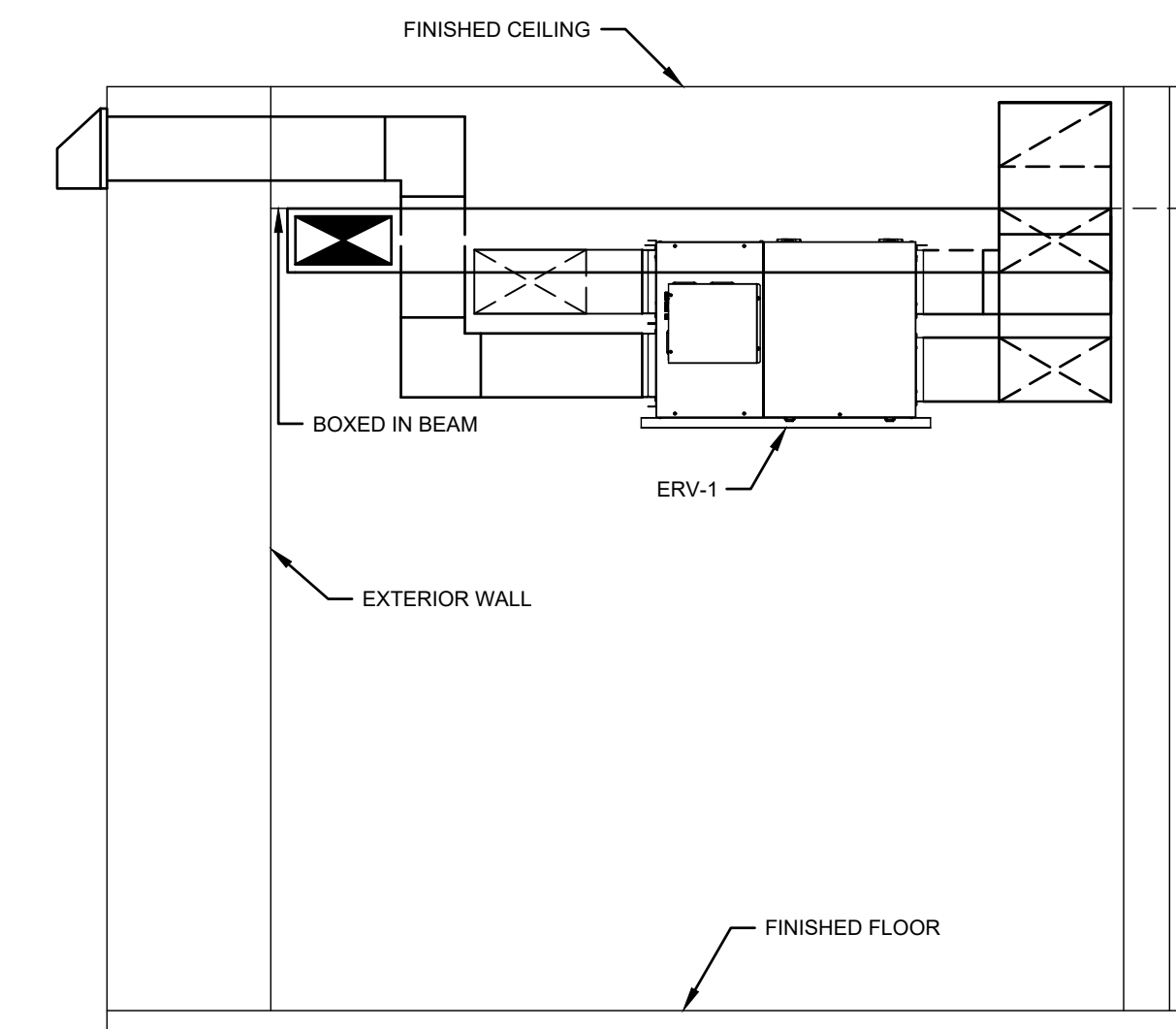
- All ductwork to be low-pressure galvanized.
- ERV-1 outdoor air and exhaust air ductwork to be insulated with 2" of insulation.
- Provide back draft damper for ERV-1 exhaust ductwork and motorized damper for ERV-1 intake ductwork.
- Provide flexible connectors to ERV-1 all ducts, and hang/support with spring isolators.
- Fire dampers to be dynamic type B. Provide duct access doors and rated gypsum wallboard access panels for access to all fire dampers not accessible through grilles.
- Refrigeration lines to have a minimum of 1/2" closed cell insulation. Any exposed lines to have PVC molded covering. Fire stop all penetrations through the floor.
- All condensate drain lines to be insulated with minimum 1/2" closed cell or fiberglass insulation with vapour barrier.
- New sanitary lines to be ABS. New water lines to be copper or PEX.
- Insulate all new hot water lines with 1" fiberglass insulation.
- Provide all new venting for all fixtures to NPC 2015.
- Provide balancing report to Engineer for review. Approved report is required before occupancy.
- Call for inspection:
  - Prior to drywall for fire stopping and fire damper inspection. Do not proceed with drywall until approved.
  - Final inspection - ensure all fire dampers are accessible with rated hatches and duct access doors.
- Provide shop drawings for the following:
  - ERV-1
  - Heat-pumps
  - Electric Heaters
  - GRD
  - Exhaust hood
  - Fire dampers
  - Domestic hot water heaters
  - Plumbing fixtures
  - Pressure tank



1 DOMESTIC WATER HEATER DETAIL  
M-001 N.T.S.



2 OUTDOOR UNIT INSTALLATION DETAIL  
M-001 N.T.S.



3 MECHANICAL ROOM SECTION  
M-001 1/2" = 1'-0"

LEGEND	
---	THERMOSTAT CONTROL WIRING
=====	EQUIPMENT/DUCTWORK
-----	DEMO. PIPING/DUCTWORK/EQUIPMENT
----	COLD WATER
----	HOT WATER
----	SANITARY BELOW
----	EXISTING SANITARY BELOW
⊠	SUPPLY OR OUTDOOR AIR DUCTWORK
⊠	RETURN OR EXHAUST AIR DUCTWORK
⊠	FIRE DAMPER
⊠	MANUAL BALANCING DAMPER
⊠	TURNING VANES
S-X	GRILLE DESIGNATION AND SIZE
300	CUBIC FEET PER MINUTE
⊠	SUPPLY AIR GRILLE OR DIFFUSER
⊠	RETURN AIR GRILLE
⊠	EXHAUST AIR GRILLE
L	LAVATORY
WC	WATER CLOSET
S	SINK
○	FLOOR CLEAN OUTS
⊠	CEILING CLEAN OUT
•	PIPING CONNECTION

4	MAR. 21, 2022	ISSUED FOR ADDENDUM
3	FEB. 11, 2022	ISSUED FOR CONSTRUCTION
2	JAN. 3, 2022	ISSUED FOR PERMIT
1	NOV. 29, 2021	ISSUED FOR FINAL REVIEW

This drawing is the property of Orange Door Engineering and shall not be used on other projects or extensions to this project except by agreement in writing from the Engineer.

This drawing is not to be used for construction unless stamped by the Engineer.

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Project  
**BONSHAW COMMUNITY CENTER**  
BONSHAW, P.E.I.

Sheet Title  
**MECHANICAL SCHEDULES AND LEGEND**

Scale AS NOTED Date November 26, 2021

Drn By BHS Ch'd By JGB

Sheet M001 Proj No WDLA ---

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