PHASE 3: THE BATTERY  2017
- 25 Apartments (500-1000sf)
- 17,400 sf
- R34 walls
- R 54 roof/floors
- .13 Uvalue windows
- .6 SHGC
- Centralized VentilationERV, 82% efficient
- Centralized Hot Water: Geothermal
- Centralized heating/cooling: Geothermal VRF
- Centralized Electric Metering
- 89 kw PV array to get to Net Zero

PHASE 3: THE BATTERY 2017
AVERAGE RENT in NL for 1 bed: $1500/month + utilities
AVERAGE RENT in NL for 1 bed: $1500/month + utilities

THE BATTERY rent for 1 bed: $1375/month INCLUDES utilities

PHASE 3: THE BATTERY  2017
PHASE 3: THE BATTERY  2017

These drawings are instruments of service and shall remain the property of Plumbob, LLC whether the project for which they are made is executed or not. These drawings shall not be submitted or distributed to meet official regulatory requirements or for other purposes in connection with this Project is not to be construed as publication in derogation of Plumbob LLC's rights.

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2nd-4th Floors

Balanced/Centralized Ventilation

PHASE 3: THE BATTERY 2017: 2 ERVs, 82% efficient
PROVIDE IDENTIFICATION TAG NUMBER ON EACH PIECE OF EQUIPMENT.

PROVIDE CAR CONTROL DAMPER GRILLE ASSEMBLY WITH 6x4 GRILLE CER-R-11 CONSTANT SUPPLY REGISTER AS MANUFACTURED BY AMERICAN ALDES VENTILATION CORPORATION SIZED FOR 20 CFM AS INDICATED.

PROVIDE CAR CONTROL DAMPER GRILLE ASSEMBLY WITH 6x4 GRILLE CER-S-11 CONSTANT SUPPLY REGISTER AS MANUFACTURED BY AMERICAN ALDES VENTILATION CORPORATION SIZED FOR 15 CFM AS INDICATED.

PROVIDE CAR CONTROL DAMPER GRILLE ASSEMBLY WITH 6x4 GRILLE CER-S-11 CONSTANT SUPPLY REGISTER AS MANUFACTURED BY AMERICAN ALDES VENTILATION CORPORATION SIZED FOR 10 CFM AS INDICATED.

PHASE 3: THE BATTERY 2017: 2 ERVs, 82% efficient

Balanced/Centralized Ventilation
PHASE 3: THE BATTERY 2017: critical juncture at roof
PHASE 3: THE BATTERY  2017: air barrier detailing

BUILDING SECTION

1/8" = 1'-0"
PHASE 3: THE BATTERY  2017: air barrier detailing
THERMAL BRIDGING

PHASE 3: THE BATTERY  2017: air barrier detailing
PHASE 3: THE BATTERY  2017: geo-thermal wells
2 – 1000' deep Standing Column Geothermal Wells
ALL heating/cooling and domestic hot water for ALL 25 apartments
1. PROVIDE INSULATION ON THE CW SUPPLY & RETURN PIPING SYSTEM, SYSTEM WITHIN THE BUILDING.

HW SUPPLY & RETURN PIPING SYSTEM, & WW SUPPLY & RETURN PIPING

PROVIDE EQUIPMENT INSTALLATION AS PER MANUFACTURER’S RECOMMENDATIONS

10.2A

PROVIDE WATER TIGHT SEALING OR A PRODUCT SIMILAR TO LINK SEAL AT PIPE PENETRATIONS

2 4C

PROVIDE FULL SIZE (MIN. 1 INCH) CONDENSATE DRAIN PIPE RUN TO IN-DIRECT WASTE CONNECTION (LOCATION AS PER PLUMBING DWG’S)

6 1

PROVIDE IDENTIFICATION TAG NUMBER ON EACH PIECE OF EQUIPMENT

WALL TYPE:

MODEL #PB5050-3

PUMP IN A DUPLEX

BEYOND EQUIPMENT

SIZED 4" LARGER

HOUSEKEEPING PAD

4" HIGH CONCRETE

1/4"

SOUND BATT @ DEEP SUMP

R19 BATT INSULATION

7/16" OSB SHEATHING

1" AIR SPACE

1/2" ZIP SHEATHING

BRICK TIES EVERY 6TH BRICK VENEER

2x6 STUDS @ 16" O.C.

1" WWS

1 1/2" CWR

1 1/4" CWS

HWS

1 1/4" SUPPLY UP

HWS

1 1/4" FILLTROL/EXPANSION

AMTROL MODEL #ST -60VC

PHASE 3: THE BATTERY  2017

2 – ‘1000’ deep Standing Column

Geothermal Wells

ALL heating/cooling and domestic hot water for ALL 25 apartments
PHASE 3: THE BATTERY  2017: Buildsmart system
PHASE 3: THE BATTERY  2017: Buildsmart system
PHASE 3: THE BATTERY  2017: Buildsmart system
PHASE 3: THE BATTERY  2017: Buildsmart system
PHIUS CERTIFICATION PENDING!!

PHASE 3: THE BATTERY  2017

FINAL BLOWER DOOR TEST
Sept 29, 2017
.53 ACH50

Phius Certification Pending!!
PHASE 3: THE BATTERY 2017: performing as designed
PHASE 3: THE BATTERY  2017: cautionary yellow!
PHASE 3: THE BATTERY  2017: blowing the energy budget
PHASE 3: THE BATTERY  2017: WHO’S WHO???