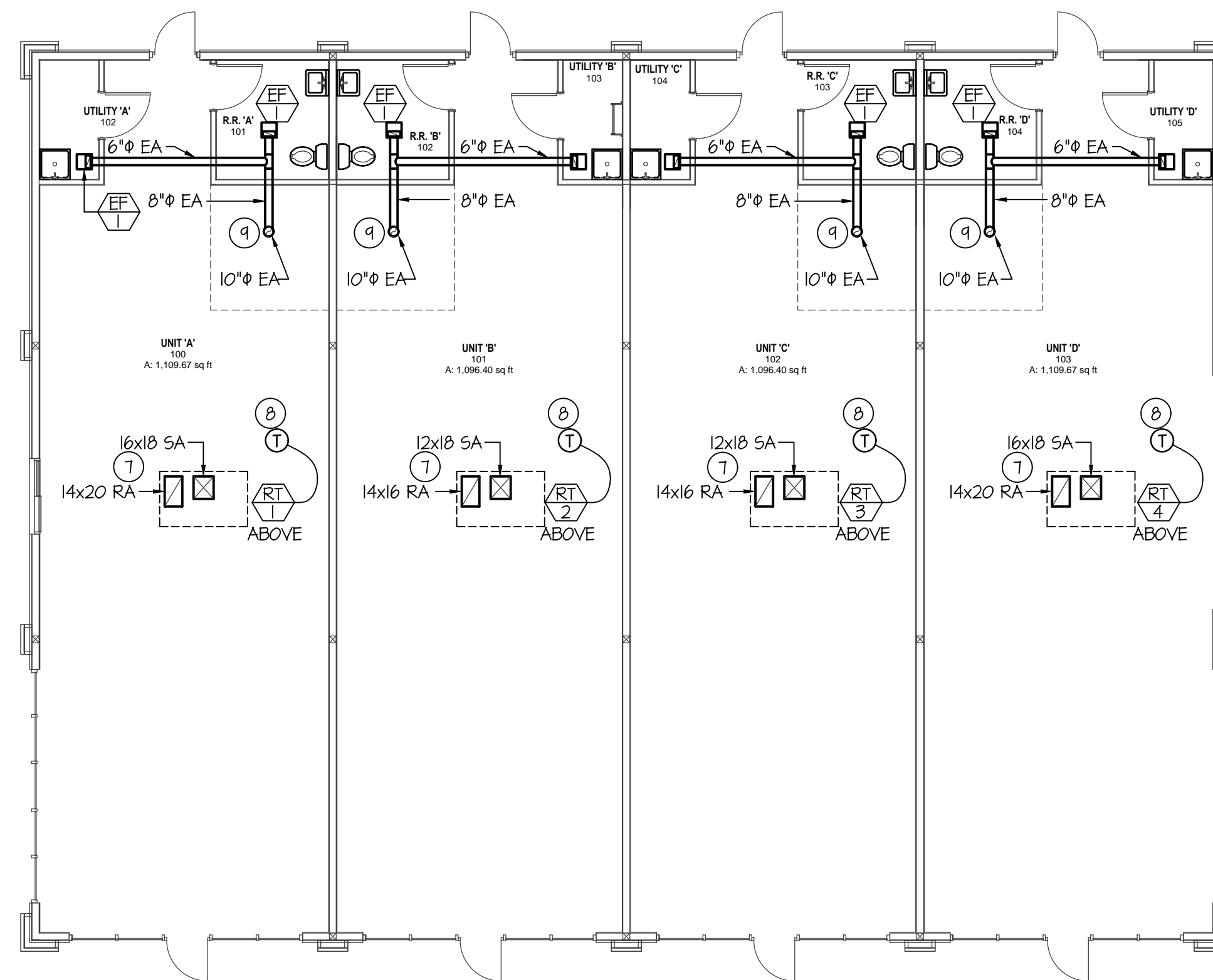


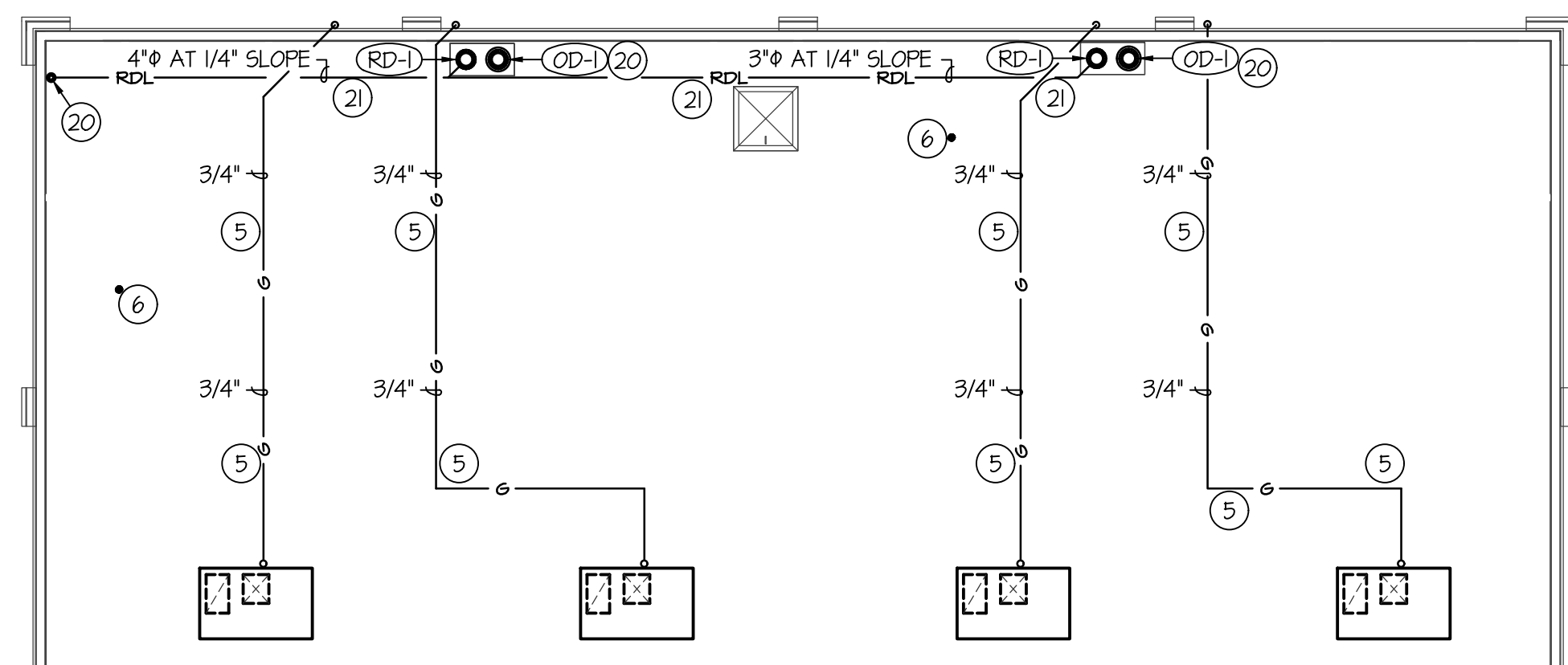
**MAIN LEVEL WASTE & VENT FLOOR PLAN**

SCALE: 1/8" = 1'-0"



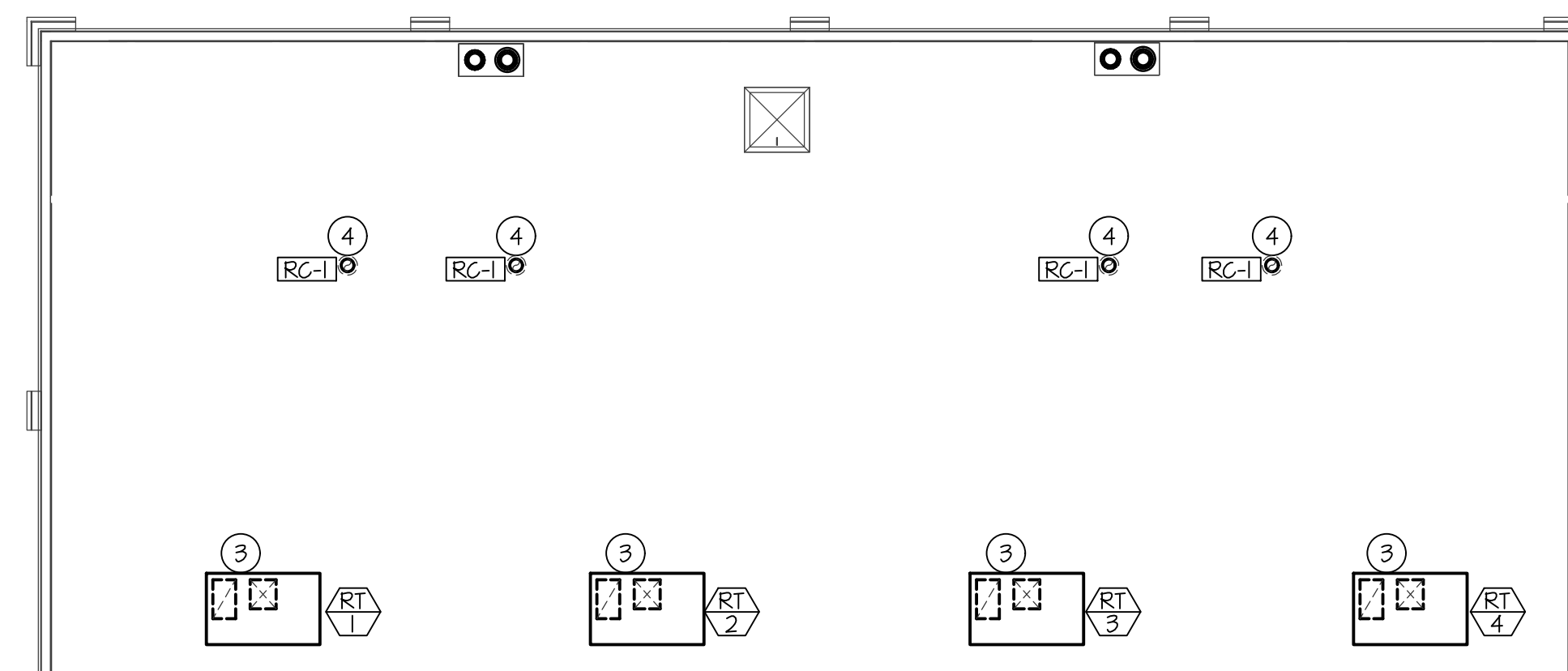
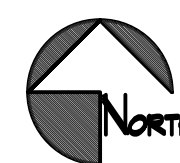
**MAIN LEVEL MECHANICAL FLOOR PLAN**

SCALE: 1/8" = 1'-0"



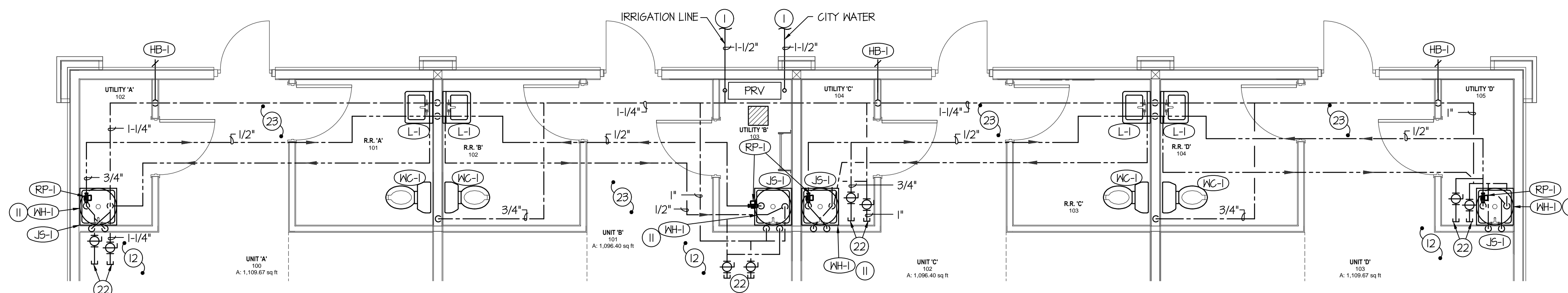
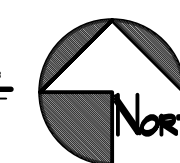
**ROOF PLUMBING PLAN**

SCALE: 1/8" = 1'-0"



**ROOF MECHANICAL PLAN**

SCALE: 1/8" = 1'-0"



**LARGE SCALE WATER PLAN**

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



**PLAN NOTES:**

- 1 SEE SITE PLAN FOR CONTINUATION.
- 2 GAS METER PROVIDED BY LOCAL GAS COMPANY SIZED FOR 65,000 BTU AT ONCES DELIVERY PRESSURE. KEEP MIN 3' FROM DOOR.
- 3 PROVIDE DUCT DOWN TO CEILING BELOW FOR FUTURE CONNECTION.
- 4 8" Ø EXHAUST DUCT UP THRU ROOF WITH ROOF CAP AND INSECT SCREEN.
- 5 RUN GAS PIPING ON ROOF WITH PILLOW BLOCK EVERY 10'
- 6 4" VTR.
- 7 RISE DUCTS AS SHOWN TO RTU ABOVE.
- 8 HANG THERMOSTAT OFF CONDUIT APPROXIMATELY 5' AFF COIL 30" OF WIRE FOR FUTURE LOCATION.
- 9 8" ROUND DUCT TO ROOF CAP FOR EXHAUST CONNECTION.
- 10 CAP FOR FUTURE USE
- 11 SEE SHEET MP201 FOR ADDITIONAL WATER HEATER MOUNTING DETAILS.
- 12 RUN PLUMBING IN MEZZANINE SPACE AS MUCH AS POSSIBLE. ROUTE AS SHOWN FOR CLARITY. KEEP CLEAR OF ROOF ACCESS IF APPLICABLE.
- 13 NOT USED
- 14 2" WASTE LINE UP FOR WALL CLEAN-OUT
- 15 NOT USED
- 16 NOT USED
- 17 RUN NEW 1" MAIN WATER LINE TO NEW PRESSURE REDUCING STATION. SEE DETAIL ON THIS SHEET FOR INSTALLATION. SEE SITE PLAN FOR CONTINUATION.
- 18 PROVIDE AND INSTALL 4" VTR PENETRATION THRU ROOF.
- 19 RISE PLUMBING LINE TO ABOVE. SEE ROOF PLUMBING PLAN ON THIS SHEET FOR CONTINUATION.
- 20 DROP PLUMBING LINE TO BELOW. SEE MAIN FLOOR PLUMBING PLAN ON THIS SHEET FOR CONTINUATION.
- 21 RUN ROOF AND OVERFLOW DRAIN LINE AS HIGH AS POSSIBLE.
- 22 CAP FOR FUTURE USE.
- 23 RUN WATER LINE AS HIGH AS POSSIBLE.

**PLUMBING LEGEND**

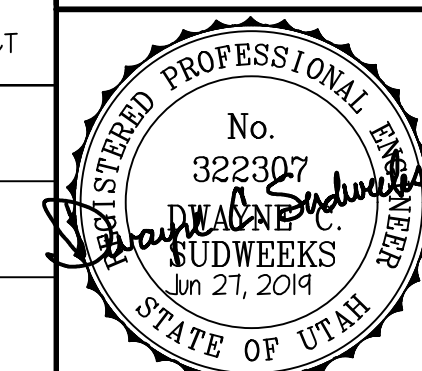
SYMBOL	DESCRIPTION
V	VENT
VTR	VENT THRU ROOF
CO	CLEANOUT
WCO	WALL CLEANOUT
COTG	CLEANOUT TO GRADE
—	PIPE DROP
—	PIPE RISE
⊘	BALL TYPE ISOLATION VALVE
---	SOIL OR WASTE PIPING
---	VENT LINE PIPING
---	DOMESTIC COLD WATER PIPING
---	DOMESTIC HOT WATER PIPING
---	HOT WATER RECIRC. PIPING
G	GAS PIPING
CD	CONDENSATE DRAIN PIPING
RD	ROOF DRAIN PIPING
RDO	ROOF OVERFLOW DRAIN PIPING

**MECHANICAL LEGEND**

SYMBOL	DESCRIPTION
Ⓢ	ELECTRONIC THERMOSTAT
Ⓢ	EQUIPMENT SYMBOL
HD	HAND DAMPER
HD	ROUND BRANCH DUCT WITH HAND DAMPER
IFD	INSULATED FLEXIBLE DUCT
RA	RETURN AIR OR EXHAUST GRILLE
CD	CEILING DIFFUSER
RF	ROOF MOUNTED UPBLAST EXHAUST FAN

**GENERAL NOTES:**

- A- THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONNECTIONS ON THE JOB SITE. ALL WORK SHALL BE EXECUTED FROM MEASUREMENTS TAKEN AT THE SITE.
- B- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO INSURE PROPER CODE CLEARANCES FOR ELECTRICAL AND MECHANICAL ACCESS WHEN INSTALLING ANY EQUIPMENT SUPPLIED BY THE MECHANICAL CONTRACTOR.
- C- IT IS CRITICAL THAT THIS CONTRACTOR COORDINATE EQUIPMENT LOCATIONS WITH PIPING, DUCTWORK, ELECTRICAL CONDUIT AND BUILDING STRUCTURE TO INSURE CODE COMPLIANCE.
- D- CEILING DIFFUSERS ARE SHOWN IN APPROXIMATE LOCATIONS. REFER TO LIGHTING PLANS AND REFLECTED CEILING PLAN FOR EXACT LOCATIONS.
- E- DUCT DIMENSIONS CALLED OUT ON DRAWINGS ARE INSIDE FREE AREA DIMENSIONS. ACOUSTICAL DUCT LINER ARE TO BE ADDED TO OVERALL MEASUREMENTS.
- F- ALL DUCTWORK AND PIPING WHICH PASSES THRU FIRE RATED WALLS TO BE FIRE STOPPED WITH APPROVED FOAM OR SEALANT. REFER TO SPECIFICATIONS FOR APPROVED MANUFACTURERS.



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 ESA JOB NUMBER: 19044



REV.	DATE	DESCRIPTION
06-27-19		CITY REVIEW

PROJECT: **New Building Shell For: KAYSVILLE COMMONS**  
 200 N 200 W  
 KAYSVILLE, UTAH 84037

SHEET TITLE: **MECHANICAL & PLUMBING PLAN**  
 SHEET NUMBER: **MP101**  
 PROJECT: CM-JOB-BKIER-MANAGEMENT  
 DO NOT SCALE DRAWING