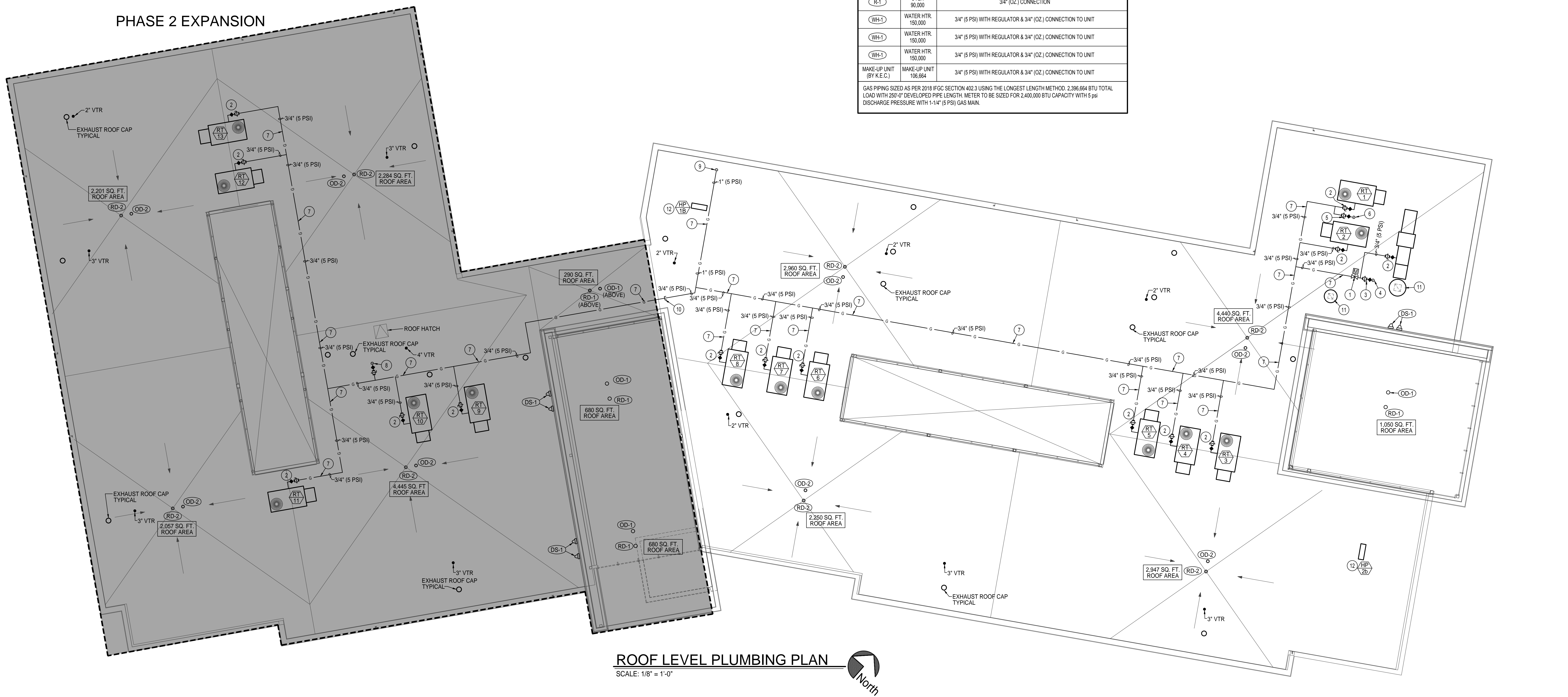


- PLAN NOTES:**
- EMERGENCY GAS SOLENOID VALVE FOR EMERGENCY SHUT-OFF OF ALL GAS FIRED KITCHEN EQUIPMENT BELOW IN KITCHEN AND MAKE-UP AIR UNIT ON ROOF. SEE LARGE SCALE PLUMBING PLAN ON SHEET P104 FOR LOCATION OF PUSH-BUTTON SWITCH LOCATED IN KITCHEN BELOW.
 - INSTALL GAS SHUT-OFF VALVE AND 5 PSI TO OZ REGULATOR ON 3/4" (5 PSI) GAS LINE SERVING ROOFTOP UNIT. SIZE REGULATOR FOR ACTUAL BTU LOAD OF EQUIPMENT SUPPLIED. CONNECT 3/4" (OZ) GAS LINE TO UNIT COMPLETE WITH FLEXIBLE CONNECTION AND DIRT LEG. SEE GAS PIPING DETAIL ON SHEET P200.
 - INSTALL GAS SHUT-OFF VALVE AND 5 PSI TO OZ REGULATOR ON 3/4" (5 PSI) GAS LINE SERVING KITCHEN EQUIPMENT BELOW. SIZE GAS REGULATOR FOR ACTUAL TOTAL BTU LOAD OF EQUIPMENT SUPPLIED. (242,000 BTU TOTAL LOAD SHOWN ON DWGS).
 - DROP 1" (OZ) GAS LINE DOWN THRU ROOF TO SERVE GAS FIRED KITCHEN EQUIPMENT BELOW. SEAL ROOF PENETRATION WEATHERTIGHT. SEE LARGE SCALE KITCHEN PLUMBING PLAN ON SHEET P103 FOR CONT. OF PIPING.
 - INSTALL GAS SHUT-OFF VALVE AND 5 PSI TO OZ REGULATOR ON 3/4" (5 PSI) GAS LINE SERVING (2) WATER HEATERS BELOW. SIZE GAS REGULATOR FOR ACTUAL TOTAL BTU LOAD OF EQUIPMENT SUPPLIED. (300,000 BTU TOTAL LOAD SHOWN ON DWGS).
 - DROP 1" (OZ) GAS LINE DOWN THRU ROOF TO SERVE (2) GAS FIRED WATER HEATERS BELOW. SEAL ROOF PENETRATION WEATHERTIGHT. SEE LARGE SCALE KITCHEN PLUMBING PLAN ON SHEET P103 FOR CONT. OF PIPING.
 - ALL GAS PIPING ON ROOF TO BE INSTALLED ON ERICO PIPE PIER SUPPORTS (OR APPROVED EQUAL) AT 10'-0" ON CENTER INTERVALS.
 - INSTALL GAS SHUT-OFF VALVE AND 5 PSI TO OZ REGULATOR ON 3/4" (5 PSI) GAS LINE SERVING (1) WATER HEATER BELOW. SIZE REGULATOR FOR ACTUAL BTU LOAD OF HEATER SUPPLIED. DROP 3/4" (OZ) GAS LINE DOWN THRU ROOF TO SERVE WATER HEATER. SEAL ROOF PENETRATION WEATHERTIGHT. SEE LARGE SCALE TOILET ROOM PLUMBING PLAN ON SHEET P103 FOR CONT. OF PIPING.
 - DROP 1" (5 PSI) GAS LINE DN THRU ROOF. SEE SHEET P101 FOR CONT. OF PIPING. SEAL ROOF PENETRATION WEATHERTIGHT.
 - UNDER PHASE 1 CONSTRUCTION INSTALL CAP ON GAS LINE ON ROOF.
 - KITCHEN EXHAUST FAN. SEE K.E.C. DWGS.
 - CONDENSING UNIT REFER TO SHEET M101.

GAS LOAD SUMMARY		
UNIT SYMBOL	BTU INPUT	GAS PIPE SIZES TO UNIT (5 PSI AND OZ.)
RT-1	65,000	3/4" (5 PSI) WITH REGULATOR & 3/4" (OZ.) CONNECTION TO UNIT
RT-2	108,000	3/4" (5 PSI) WITH REGULATOR & 3/4" (OZ.) CONNECTION TO UNIT
RT-3	108,000	3/4" (5 PSI) WITH REGULATOR & 3/4" (OZ.) CONNECTION TO UNIT
RT-4	108,000	3/4" (5 PSI) WITH REGULATOR & 3/4" (OZ.) CONNECTION TO UNIT
RT-5	108,000	3/4" (5 PSI) WITH REGULATOR & 3/4" (OZ.) CONNECTION TO UNIT
RT-6	108,000	3/4" (5 PSI) WITH REGULATOR & 3/4" (OZ.) CONNECTION TO UNIT
RT-7	65,000	3/4" (5 PSI) WITH REGULATOR & 3/4" (OZ.) CONNECTION TO UNIT
RT-8	65,000	3/4" (5 PSI) WITH REGULATOR & 3/4" (OZ.) CONNECTION TO UNIT
RT-9	150,000	3/4" (5 PSI) WITH REGULATOR & 3/4" (OZ.) CONNECTION TO UNIT
RT-10	108,000	3/4" (5 PSI) WITH REGULATOR & 3/4" (OZ.) CONNECTION TO UNIT
RT-11	108,000	3/4" (5 PSI) WITH REGULATOR & 3/4" (OZ.) CONNECTION TO UNIT
RT-12	108,000	3/4" (5 PSI) WITH REGULATOR & 3/4" (OZ.) CONNECTION TO UNIT
RT-13	108,000	3/4" (5 PSI) WITH REGULATOR & 3/4" (OZ.) CONNECTION TO UNIT
O-1	OVEN 152,000	3/4" (OZ.) CONNECTION
R-1	OVEN 90,000	3/4" (OZ.) CONNECTION
WH-1	WATER HTR. 150,000	3/4" (5 PSI) WITH REGULATOR & 3/4" (OZ.) CONNECTION TO UNIT
WH-2	WATER HTR. 150,000	3/4" (5 PSI) WITH REGULATOR & 3/4" (OZ.) CONNECTION TO UNIT
WH-3	WATER HTR. 150,000	3/4" (5 PSI) WITH REGULATOR & 3/4" (OZ.) CONNECTION TO UNIT
MAKE-UP UNIT (BY K.E.C.)	MAKE-UP UNIT 106,664	3/4" (5 PSI) WITH REGULATOR & 3/4" (OZ.) CONNECTION TO UNIT

GAS PIPING SIZED AS PER 2018 IFGC SECTION 402.3 USING THE LONGEST LENGTH METHOD. 2,396,664 BTU TOTAL LOAD WITH 250'-0" DEVELOPED PIPE LENGTH. METER TO BE SIZED FOR 2,400,000 BTU CAPACITY WITH 5 psf DISCHARGE PRESSURE WITH 1-1/4" (5 PSI) GAS MAIN.



ROOF LEVEL PLUMBING PLAN
SCALE: 1/8" = 1'-0"

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**EVANSTON CHILD DEVELOPMENT CENTER
 PHASE 1
 EVANSTON, WY**

ROOF LEVEL PLUMBING PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS SHOWN OR IMPLIED.
 DRAWING SCALE APPLIES TO 36" X 48" SHEET SIZE.
 REVISION DATE

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 ESA JOB NUMBER: 20075

DRAWN BY: _____
 CHECKED BY: _____
 PROJECT NUMBER: 14371-19A
 PROJECT DATE: JUNE 2021
 SHEET: **P102**
 OF