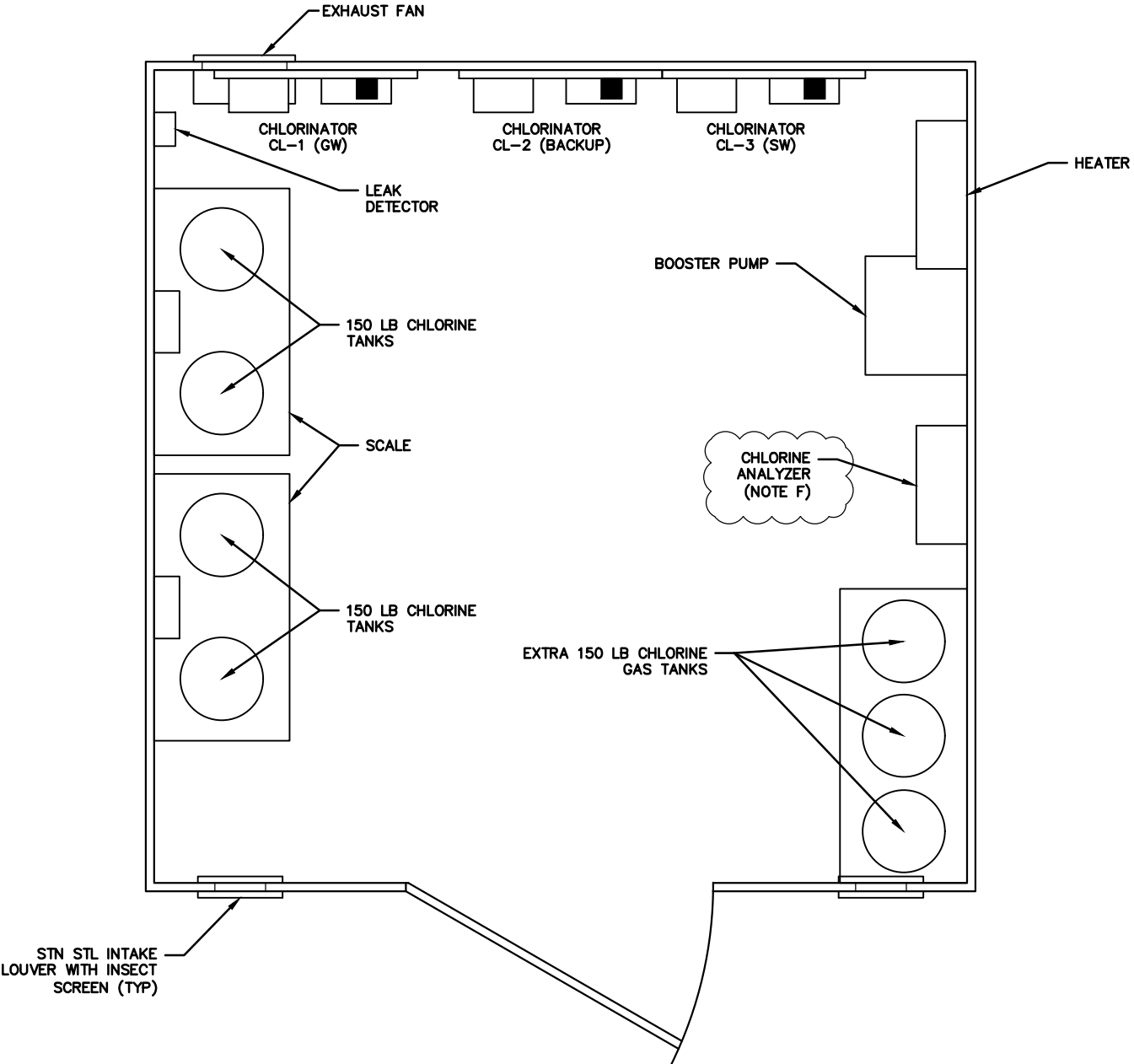


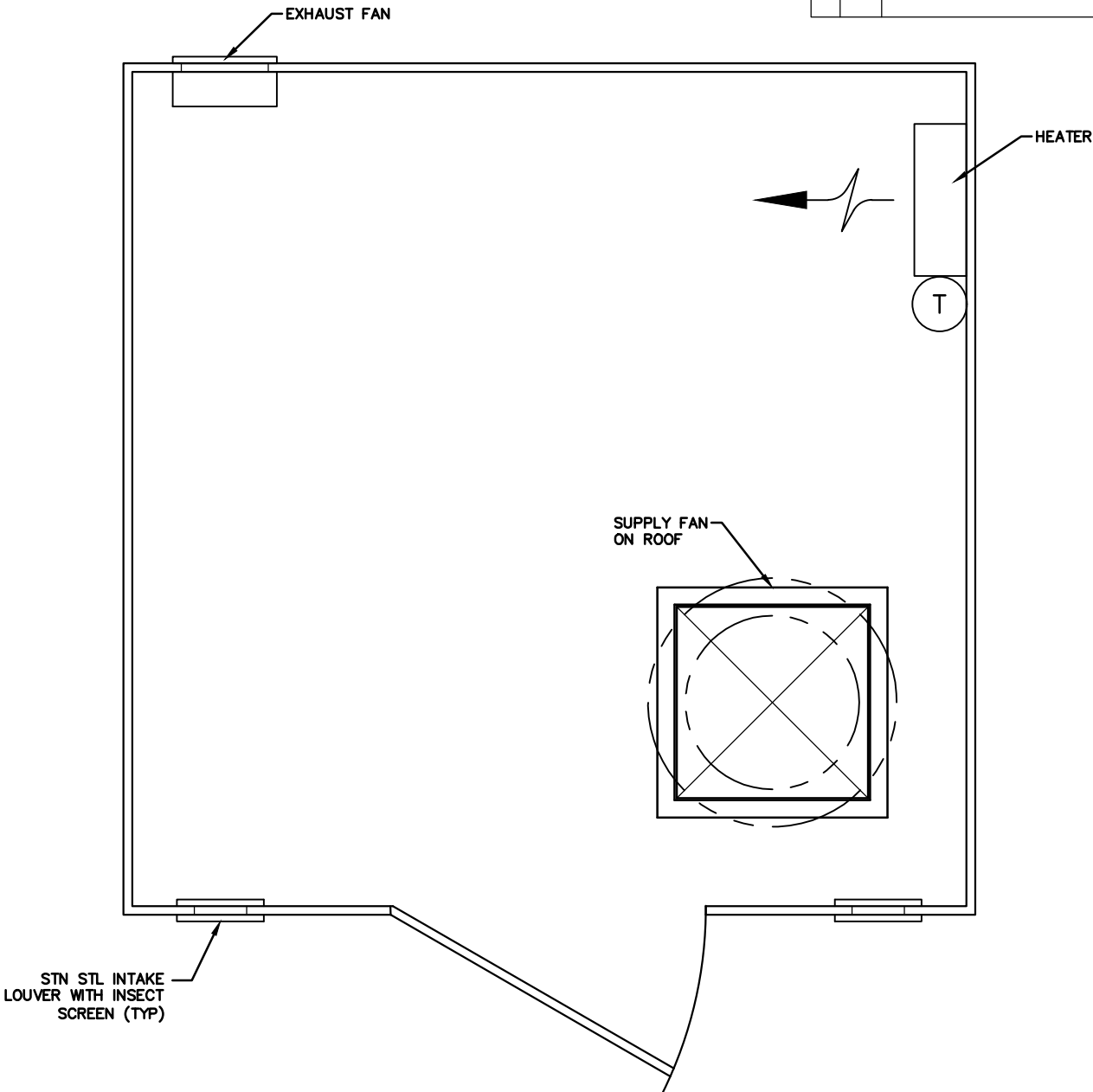
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**TYPICAL CHLORINE ROOM LAYOUT**  
SCALE: NTS

**DESIGN ENGINEER NOTES:**

- SYSTEM SHOWN IS FOR SURFACE WATER AND GROUNDWATER CHLORINATION. HOWEVER, THE SYSTEMS SHALL OPERATE INDEPENDENTLY UNDER NORMAL OPERATION. THE GROUNDWATER AND SURFACE WATER CHLORINATION SYSTEMS MUST HAVE SEPARATE CHLORINE GAS TANKS AND SCALES.
- EXACT LOCATION OF EQUIPMENT MAY VARY GIVEN SITE CONSTRAINTS. THE CHLORINATION SYSTEM MUST INCLUDE A BACKUP CHLORINATOR, WATER SUPPLY BOOSTER PUMP, LEAK DETECTOR, EXHAUST FAN NEAR THE FLOOR, AND A SUPPLY FAN IN OR NEAR THE ROOF.
- NUMBER AND CAPACITY OF CHLORINATORS WILL DEPEND ON PLANT CAPACITY AND REQUIRED DOSAGE. MORE THAN THREE CHLORINATORS MAY BE NECESSARY.
- DESIGN ENGINEER IS TO SIZE CHLORINATORS AND PIPING TO MEET SYSTEM DEMAND.
- DESIGN ENGINEER IS TO SIZE HEATER, EXHAUST FAN, AND SUPPLY FAN.
- NUMBER AND LOCATION OF CHEMICAL ANALYZERS WILL DEPEND ON TYPE OF ANALYZER SELECTED. ANALYZER MAY TEST FOR TOTAL CHLORINE ONLY OR TOTAL CHLORINE AND FREE AMMONIA.



**TYPICAL HVAC LAYOUT (CHLORINE ROOM)**  
SCALE: NTS

**NOTES:**

- PROVIDE GAS CHLORINATION EQUIPMENT PER TECHNICAL SPECIFICATION SECTION 11260- "GAS CHLORINATION SYSTEM."
- PROVIDE CHLORINE GAS LEAK DETECTOR EQUIPMENT PER TECHNICAL SPECIFICATION SECTION 11263- "CHLORINE GAS LEAK DETECTOR."
- PROVIDE CHLORINE ANALYZERS PER TECHNICAL SPECIFICATION SECTION 11301- "CHLORINE ANALYZERS" OR PER TECHNICAL SPECIFICATION SECTION 11303- "CHEMICAL ANALYZERS."
- PROVIDE CHEMICAL PIPING PER TECHNICAL SPECIFICATION SECTION 15100- "CHEMICAL PIPING."



**TYPICAL CHLORINE  
GAS ROOM LAYOUT**

APPROVED BY: *Shandagiri*  
DESIGN MANAGER

EFF. DATE:  
12/22/2020

REF. NO.  
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