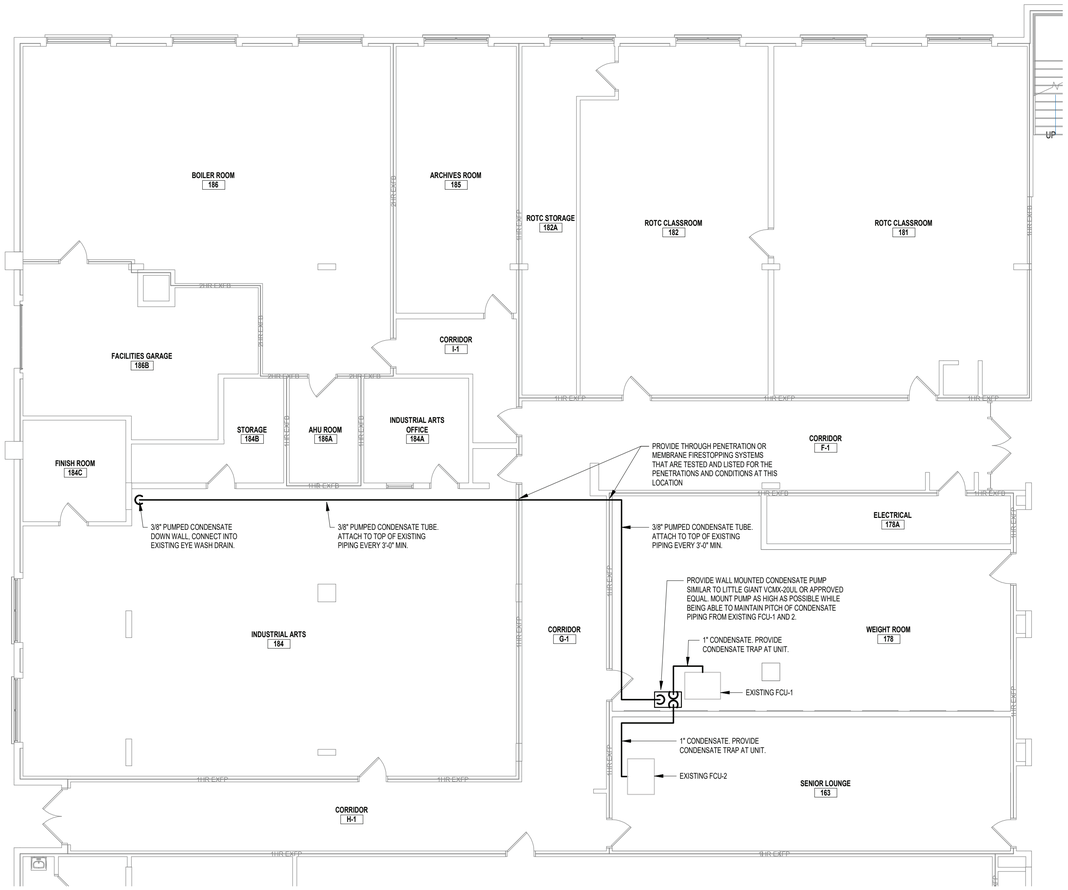
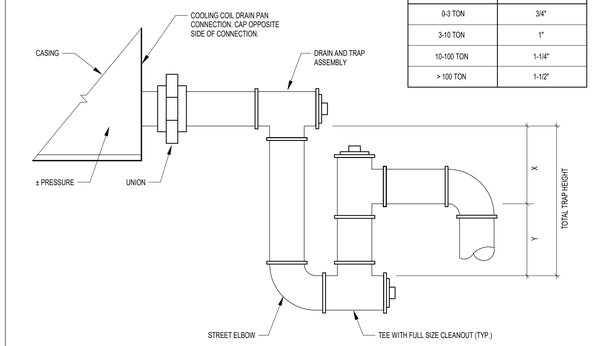


1 FIRST FLOOR PLAN - AREA B
SCALE: 1/8" = 1'-0"

COIL CAPACITY	TRAP SIZE NPS
0-3 TON	3/4"
3-10 TON	1"
10-100 TON	1-1/4"
> 100 TON	1-1/2"



NOTES:
1. "X" MUST BE 1-1/2" PLUS CASING STATICPRESSURE. MINIMUM 2".
2. "Y" MUST BE 1-1/2" MINUS CASING STATIC PRESSURE. MINIMUM 2".

EXAMPLE: CASING AT (-1") WG
X = 1-1/2" + (-1) = 1/2", USE 2"
Y = 1-1/2" - (-1) = 2-1/2"

2 CONDENSATE TRAP DETAIL
SCALE: 1/2" = 1'-0" (+/- PRESSURE)

SPECS

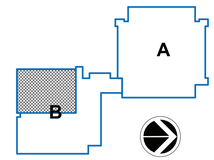
COOLING CONDENSATE REMOVAL PUMPS

A. MANUFACTURERS:
   1. LITTLE GIANT; MODEL VCMX-20UL
   2. SUBSTITUTIONS: SEE SECTION 01 6000 - PRODUCT REQUIREMENTS
B. CONSTRUCTION: COMMERCIAL GRADE, NONFERROUS PUMP WITH STAINLESS STEEL SHAFT, INTEGRAL DISCHARGE CHECK VALVE, INTEGRAL FLOAT SWITCH, SAFETY SWITCH, THERMOPLASTIC RESERVOIR, MOTOR ASSEMBLY, AND POWER CORD WITH GROUND. PROVIDE WITH WALL MOUNT BRACKET.
C. UL 778
D. PERFORMANCE:
   1. FLOW 60 GPH, AT 10 FEET HEAD.
   2. ELECTRICAL CHARACTERISTICS:
      a. 1/30 HP
      b. 120 VOLTS, SINGLE PHASE, 60 HZ, 1.5 FLA

SANITARY SEWER PIPING, ABOVE GRADE
A. PVC PIPE: ASTM D2729
   1. FITTINGS: PVC
   2. JOINTS: SOLVENT WELDED, WITH ASTM D2564 SOLVENT CEMENT.

PIPE HANGERS AND SUPPORTS
A. ALL PLUMBING PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH THE PLUMBING CODE OF NEW YORK STATE. HANGERS, ANCHORS, AND SUPPORTS SHALL SUPPORT THE PIPING AND THE CONTENTS OF THE PIPING. HANGERS AND STRAPPING SHALL BE OF APPROVED MATERIAL THAT WILL NOT PROMOTE GALVANTIC ACTION.
B. PLUMBING PIPING - DRAIN, WASTE AND VENT:
   1. CONFORM TO ASME B31.9.
   2. HANGERS FOR PIPE SIZES 1/2 TO 1-1/2 INCHES: MALLEABLE IRON, ADJUSTABLE SWIVEL, SPLIT RING.
   3. MULTIPLE OR TRAPEZE HANGERS: STEEL CHANNELS WITH WELDED SPACERS AND HANGER RODS.
   4. VERTICAL SUPPORTS: STEEL RISER CLAMP.
   5. FLOOR SUPPORT: CAST IRON ADJUSTABLE PIPE SADDLE, LOCK NUT, NIPPLE, FLOOR FLANGE, AND CONCRETE PIER OR STEEL SUPPORT.

KEY PLAN:



SED CONTROL NO. 44-09-01-04-0-008-017

COPYRIGHT © 2021 - BCA ARCHITECTS & ENGINEERS. WARNING - IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW FOR ANY UNAUTHORIZED ALTERATIONS TO THIS DOCUMENT AS PER ARTICLE 145 AND 147.

BCA Architects & Engineers
Ithaca | Saratoga Springs | Watertown
WWW.THEBCGROUP.COM

JAMES I. O'NEILL RENOVATION PROJECT
HIGHLAND FALLS - FORT MONTGOMERY CSD
JAMES I. O'NEILL HIGH SCHOOL
HIGHLAND FALLS - ORANGE COUNTY - STATE OF NEW YORK

REV	DATE	DESCRIPTION

DRAWN BY NPB	PROJECT NUMBER 2020-117
CHECKED BY JAS	DATE 03/19/2021

PARTIAL FIRST FLOOR PLAN - AREA B

SHEET NUMBER
A-102

3/26/2021 9:09:34 AM