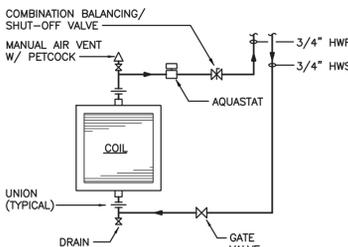
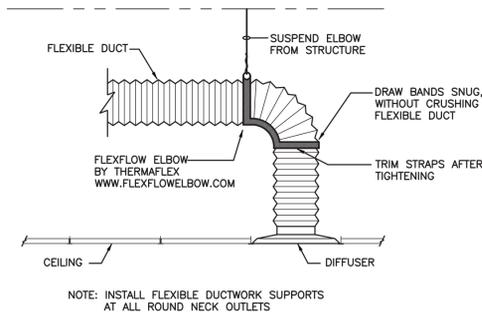


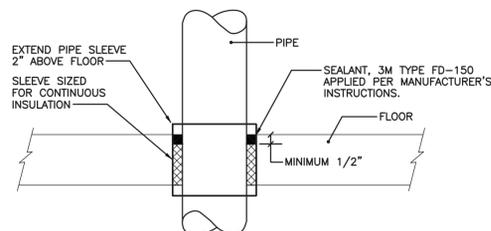
5 WALL HEATER PIPING
H-5 NOT TO SCALE



4 UNIT HEATER PIPING
H-5 NOT TO SCALE



3 FLEXIBLE DUCT CONNECTION TO AIR OUTLET
H-5 NOT TO SCALE



2 FLOOR PENETRATION SEALING DIAGRAM
H-5 NOT TO SCALE

| AIR HANDLING UNIT SCHEDULE | | | | | | | | | | | | | | | | | | | | |
|----------------------------|-------|---------|--------------|-------|-----------|------------|----------|---------|-------------------|-----------|--------------------|-----------------|----------------|------------------------------------|-------------|------------|-----------|--------|-------|--------------|
| AH No. | MFR | MODEL | CFM STD. AIR | | EXT. S.P. | TOT.* S.P. | FAN H.P. | FILTERS | COOLING COIL DATA | | | | | HEATING COIL DATA - W/ 150°F WATER | | | | | NOTES | |
| | | | MIN. OUTSIDE | TOTAL | | | | | ENT. (DB) | ENT. (WB) | SENSIBLE BTU / HR. | TOTAL BTU / HR. | FACE AREA FT.² | ** G.P.M. | ENT. AIR °F | LV. AIR °F | BTU / HR. | G.P.M. | | FACE AREA FT |
| AHU#1 & #2 | TRANE | CSAA012 | 1500 | 6000 | 1.5 | 4.05 | 7.5 | SEE ③ | 80 | 67 | 105,000 | 187,000 | 12.11 | - | 75 | 98 | 149,000 | 10 | 11.25 | |

NOTE: 1. HORIZONTAL FLOOR MOUNTED UNIT WITH INTERNAL VIBRATION INSULATION.
2. UNIT TO HAVE FAN WITH MOTOR SUITABLE FOR VFD, COOLING/HEATING HEAT PUMP COIL, HOT WATER HEATING COIL, MIXING BOX.
3. 2" DISPOSABLE PRE FILTER, 4" MERV 13 CARTRIDGE FILTER

| INDOOR HEAT PUMP UNIT SCHEDULE | | | | | | | | | | | | | |
|--------------------------------|-------|-----------------|--------------|------|----------------------------------|--------------------------------|----------------------|---------------------------|---------------------------------|------|-------------------|-------------------|-------|
| AC# | MFR. | MODEL | OUTDOOR UNIT | SIZE | TYPE | CAPACITY (MBH) COOLING/HEATING | SIZE (HxWxD) | REFRIG. PIPING LIQUID/GAS | ELECTRICAL 208V/1Ø MCA/MOCP (A) | CFM | OUTSIDE AIR (CFM) | ROOM | NOTES |
| AC#1 | TRANE | TPVFYPO54AM141A | HP#1 | 54 | MULTI-POSITION AIR HANDLING UNIT | 54/60 | 25x21-3/8x59-1/2 | 3/8 / 3/8 | 5.6 / 15 | 1500 | 100 | LOBBY | |
| AC#2 | | TPVFYPO12AM141A | | 12 | | 12/13.5 | 17x21-3/8x50-1/2 | 1/4 / 1/2 | 3.0 / 15 | 350 | 30 | INSTRUCTIONAL 105 | |
| AC#3 | | TPVFYPO18AM141A | | 18 | | 18/20 | 17x21-3/8x50-1/2 | | | 550 | 150 | INSTRUCTIONAL 106 | |
| AC#4 | | | | | | | | | | | | INSTRUCTIONAL 122 | |
| AC#5 | | TPVFYPO30AM141A | | 30 | | 30/34 | 21x21-3/8x54-1/4 | 3/8 / 3/8 | 4.1 / 15 | 900 | 300 | INSTRUCTIONAL 108 | |
| AC#6 | | | | | | | | | | | | INSTRUCTIONAL 110 | |
| AC#7 | | | | | | | | | | | | INSTRUCTIONAL 113 | |
| AC#8 | | TPEVFP072MH141A | HP#4 | 72 | CEILING CONCEALED | 72/80 | 18-3/8x49-3/8x44-3/8 | 3/8 / 3/8 | 7.7 / 15 | 2000 | 750 | KITCHEN | |
| AC#9 | | | | | | | | | | | | KITCHEN | |

NOTE: 1. PROVIDE WITH CONDENSATE PUMPS AND WIFI THERMOSTATS.

| HEAT PUMP UNIT SCHEDULE | | | | | | | | | |
|-------------------------|-------|----------------|-----------|--------------------------------|----------------------------|---------------------------|--------------|---------------------------------|------------------------------|
| HP No. | MFR | MODEL | EER/COP | CAPACITY (MBH) COOLING/HEATING | SIZE (HxWxD) | REFRIG. PIPING LIQUID/GAS | WEIGHT (LBS) | ELECTRICAL 208V/3Ø MCA/MOCP (A) | NOTE |
| HP#1 | TRANE | TURYE1923BN40A | 12.7/3.66 | 192/215 | (2)71-3/8"x48-3/8"x29-3/8" | 3/8 / 1-3/8 | (2)613 | 31,31/45,45 | TWO MODULES W/ HEAT RECOVERY |
| HP#2 | | TUHYE1923BN40A | 13.3/3.75 | 192/216 | | 3/8 / 1-3/8 | (2)622 | | |
| HP#3 | | | | | | | | | |
| HP#4 | | TUHYE1203AN40A | 13.3/3.8 | 120/135 | | 3/8 / 1-3/8 | 633 | 40/60 | ONE MODULE |

NOTE: 1. PROVIDE DIGITAL TOUCH SCREEN CENTRAL CONTROLLER.

| HEATING COIL SCHEDULE | | | | | | | | | | | | | |
|-----------------------|-------|-----------|------|----------|------|-------------------|-------------|-------------|------|--------------------|----------|-----------------|--------|
| HEATING COIL No. | MFR. | TYPE | CFM. | AIR TEMP | | TOTAL BTU/HR LOAD | GPM AT 150' | WATER TEMP. | | COIL FACE AREA FT. | NOM. HxL | DUCT CONN. SIZE | NOTES |
| | | | | ENT. | LVG. | | | ENT. | LVG. | | | | |
| HC#1 & #2 | TRANE | HOT WATER | 6000 | 75 | 98 | 149,000 | 5 | 150 | 120 | 11.25 | 30x54 | UNIT MOUNTED | NOTE 1 |
| HC#3 | | | 1500 | 75 | 98 | 37,300 | 1.5 | 150 | 120 | 3 | 24x18 | 24x18 | NOTE 2 |

NOTE: 1. COIL FURNISHED WITH AIR HANDLING UNIT
2. COIL TO BE FLAWED TYPE WITH COOPER TUBE ALUMINUM FIN

| EXHAUST FAN SCHEDULE | | | | | | | | |
|----------------------|------------|---------|--------|-------|-------|-----------|----------------------------|--------|
| EXHAUST FAN No. | MFR. | MODEL | C.F.M. | S.P. | H.P. | CURB TYPE | CONTROLS | NOTES |
| EF#1 | LOREN COOK | 90SQ15D | 600 | 0.375 | 1/6 | - | TIME CLOCK | NOTE 1 |
| EF#2 | LOREN COOK | GC-124 | 75 | 0.250 | 64W | - | MOTION SENSOR | NOTE 2 |
| EF#3 | LOREN COOK | 90SQ12D | 525 | 0.325 | 1/6 | - | INTERLOCK WITH DISH WASHER | NOTE 1 |
| EF#4 | LOREN COOK | 180V8B | 3500 | 1.25 | 1 1/6 | RCG28 | HOOD CONTROLLER | NOTE 3 |

NOTE: 1. PROVIDE WITH VIBRATION ISOLATORS FOR SUSPENDED VERTICAL INSTALLATION, VARIABLE SPEED SWITCH MOUNTED ABOVE CEILING FOR BALANCING, WITH INLET/OUTLET COMPANION FLANGES, BACK DRAFT DAMPER, INSULATED ALUMINUM HOUSING.
2. PROVIDE WITH VIBRATION ISOLATORS FOR HORIZONTAL MOUNTING, BACK DRAFT DAMPER, VARIABLE SPEED SWITCH.
3. PROVIDE WITH GALVANIZED VENTED EXTENSION #VE-29 AUTOMATIC BELT TENSIONER, HINGED BASE, GREASE TROUGH, EXTENDED LUBE LINES, WITH PREMIUM MOTOR FOR VFD OPERATION.

| CEILING DIFFUSER SCHEDULE | | | | | | |
|---------------------------|-------|-------|------|-----------|------------|----------------------|
| CEILING DIFF. No. | MFR. | MODEL | CFM. | SIZE FACE | CONNECTION | NOTES |
| CD#1 & #2 | PRICE | APDN | 250 | 16x16 | 10"Ø | 2-WAY CORNER THROW |
| CD#3 | PRICE | APDN | 350 | 24x24 | 10x10 | 2-WAY OPPOSITE THROW |
| CD#4&5 | PRICE | APDN | 350 | 24x24 | 12x12 | 2-WAY CORNER THROW |
| CD#6 | PRICE | AMD | 50 | 6x6 | 6x6 | 4-WAY THROW ② |
| CD#7 | PRICE | AMD | 100 | 6x6 | 6x6 | 2-WAY OPPOSITE THROW |
| CD#8-#10 | PRICE | APDN | 500 | 24x24 | 12x12 | 3-WAY THROW |
| CD#11-#12 | PRICE | APDN | 300 | 24x24 | 10x10 | 4-WAY THROW |
| CD#13-#14 | PRICE | APDN | 400 | 24x24 | 12x12 | 3-WAY THROW |
| CD#15 | PRICE | APDN | 300 | 24x24 | 10x10 | 3-WAY THROW |
| CD#16-#17 | PRICE | APDN | 200 | 24x24 | 8x8 | 3-WAY THROW |
| CD#18 | PRICE | APDN | 100 | 24x24 | 6x6 | 2-WAY THROW |
| CD#19 | PRICE | APDN | 200 | 24x24 | 8x8 | 4-WAY THROW |
| CD#20 | PRICE | APDN | 100 | 24x24 | 6x6 | 3-WAY THROW |

NOTE: 1. DIFFUSERS TO BE EXTRUDED ALUMINUM PERFORATED CONSTRUCTION FOR SURFACE MOUNTING. PROVIDE WITH VOLUME DAMPERS
2. FORMED ALUMINUM DIFFUSER WITH VOLUME DAMPER.

| RETURN EXHAUST REGISTER SCHEDULE | | | | | |
|----------------------------------|------------------------|--------|-------|-------|--------|
| RETURN EXH. No. | MFR. | MODEL | CFM. | SIZE | NOTES |
| REG#1 & #2 | PRICE | 635DAL | 300 | 14X14 | NOTE 1 |
| REG#3 & #4 | | | 550 | 16X16 | NOTE 1 |
| REG#5 | | | 350 | 12X12 | NOTE 1 |
| REG#6 & #7 | | | 275 | 14X14 | ↓ |
| REG#8 & #9 | CONSTRUCTION SPECIALTY | 2282 | 6,000 | 84X36 | NOTE 2 |
| REG#10 | PRICE | ATG1 | 75 | 24X8 | NOTE 3 |
| REG#11-#13 | | 635DAL | 600 | 14X14 | NOTE 1 |
| REG#14 & #15 | | ATG1 | 1,250 | 24X24 | NOTE 3 |
| REG#16 & #17 | | 635DAL | | 22X22 | NOTE 1 |

NOTE: 1. EXTRUDED ALUMINUM LOUVER TYPE, 45° FIXED BLADES, 1/2" SPACING, BLADES PARALLEL TO LONG DIMENSION, PROVIDE CLEAR ANODIZED FINISH.
2. SIGHT PROOF 2" WIDE AIR CONDITIONING LOUVER COLOR AS SELECTED BY ARCHITECT.
3. SIGHT PROOF DOOR GRILLE POWDER COAT FINISH COLOR AS SELECTED BY ARCHITECT.

| FLOOR REGISTER SCHEDULE | | | | | |
|-------------------------|-------|---------|------|------|------------|
| SUPPLY REG. No. | MFR. | MODEL | CFM. | SIZE | NOTES |
| FR#1-#6 | PRICE | LBPH15A | 250 | 18x6 | NOTE 1 & 2 |
| FR#7-#22 | PRICE | LBPH15A | 750 | 36x8 | ↓ |

NOTE: 1. BARSTOCK ALUMINUM REGISTER ANODIZED FINISH
2. PROVIDE WITH NARROW FACE BORDER (125)
3. PROVIDE WITH VOLUME DAMPER.

| SUPPLY REGISTER SCHEDULE | | | | | |
|--------------------------|-------|--------|------|------|-----------|
| SUPPLY REG. No. | MFR. | MODEL | CFM. | SIZE | NOTES |
| SR#1-#6 | PRICE | 620DAL | 450 | 16x8 | NOTES 1&2 |

NOTE: 1. EXTRUDED ALUMINUM, REVERSIBLE CORE SIDE WALL SUPPLY REGISTER WITH ALUMINUM DAMPER, 1" FLAT BORDER AND DIRECTIONAL VANES, PROVIDE CLEAR ANODIZED FINISH.
2. 45° THROW.

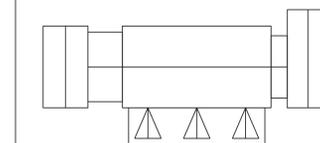
| WALL HEATER SCHEDULE (BASED ON 190°F ENTERING WATER) | | | | | | | | |
|--|--------|--------|-------|-------|-------|-----------|--------|--------|
| WALL HTR. No. | MFR. | MODEL | PHASE | VOLTS | WATTS | BTU / HR. | G.P.M. | NOTES |
| WH#1-#6 | SMITHS | PWU4/6 | 1 | 120 | 100 | 4,500 | 1 | NOTE 1 |

NOTE: 1. RECESSED UNIT 19 1/2" Hx21" Wx3 3/4" D.

| UNIT HEATER SCHEDULE | | | | | | | | | |
|----------------------|----------|--------|------|--------|--------|-----------|--------|-------|--------|
| UNIT HTR. No. | MFR. | MODEL | H.P. | R.P.M. | C.F.M. | BTU / HR. | G.P.M. | NOTES | |
| UH#1 & #2 | STERLING | VS-62L | 1/20 | | 1,550 | 1,200 | 20,000 | 2 | NOTE 1 |

NOTE: 1. PROVIDE WITH HORIZONTAL AND VERTICAL DEFLECTION LOUVER.

KEY PLAN



N.T.S.

I. 06/24/2022 Issue for Bid

No. Date Revision

STRUCTURAL ENGINEER
D.R. Pilla Consulting Engineers
143 Main Street
Nyack, NY 10960
PH (845) 727-7793

FOR REFERENCE ONLY
CIVIL ENGINEER
Diane Engineering, Surveying & Landscape Architecture, P.C.
3 Garrett Place
Camel, NY 10512
PH (845) 225-9699

M.E.P. ENGINEER
Tajvan Venegas Consulting Engineers
69 Purchase Street
Rye, NY 10580
PH (914) 967-9505

KITCHEN CONSULTANT
Cleveland Frable Lavallo, Inc.
29 Westmedford Avenue, 3rd Floor
White Plains, NY 10606
PH (914) 997-9660

Architect
PETER GISOLFI ASSOCIATES
Architects · Landscape Architects, LLP
566 Warburton Avenue, Hastings-on-Hudson, NY 10706
Phone: (914) 478-3677 · Fax: (914) 478-1600

Project Title
CAMP KAUFMANN GIRL SCOUTS OF GREATER NEW YORK
81 CAMP ROAD
HOLMES, NY 12531

Drawing Title
HVAC SCHEDULES & DETAILS

Scale & Signature
Date: 06/21/2021
PROJECT No: 2005
DRAWN BY: CS, RW, MK
CHK BY: NL
DWG No:
H-5
CADD FILE No:
© 2005 Girl Scouts of Greater NY