1. PATCH AND PAINT EXISTING WALLS TO REMAIN WHERE DISTURBED FROM DEMOLITION.

2. SEE FOODSERVICE DRAWINGS FOR ALL CULINARY EQUIPMENT.

3. REFER TO DRAWING FS131 FOR BLOCKING IN CULINARY ARTS #118.
GENERAL NOTE:

PATCH AND PAINT EXISTING WALLS TO REMAIN WHERE DISTURBED FROM DEMOLITION.

SEE FOODSERVICE DRAWINGS FOR ALL KITCHEN AND SERVING EQUIPMENT.

REFER TO DRAWING FS131 FOR BLOCKING IN KITCHEN #104.

COORDINATE POWER/DATA TO FREE-STANDING EQUIPMENT, EQUIPMENT ON TABLES, CARTS, ETC.

1 1/2" = 1'-0"

2 RECESSED SLAB DETAIL
SCOPE OF WORK

1. REFER TO MEP DRAWINGS FOR EXTENT OF DEMOLITION.

2. PROVIDE FULL HEIGHT CERAMIC TILE AT NEW DRYWALL LOCATION.

3. PATCH CERAMIC MOSAIC TILE AS NEEDED.

4. PROVIDE L5 x 3 1/2 x 5/16 AT PERIMETER OF OPENING.

5. REMOVE AND REPLACE CEILING TILES FOR DUCT INSTALLATION.

6. PROVIDE L5 x 3 1/2 x 5/16 AT PERIMETER OF OPENING.

GENERAL NOTE:
PATCH AND PAINT EXISTING WALLS TO REMAIN WHERE DISTURBED FROM DEMOLITION.
REMOVE EXISTING PARTITIONS TO ACCOMMODATE NEW MECHANICAL / ELECTRICAL WORK.
INFILL WALL OPENINGS AND REFINISH ENTIRE WALL SURFACE. SEE MEP DRAWINGS FOR NEW WORK.
WALL TYPE G7.0:  
5/8" GWB, BOTH SIDES  
3 5/8" METAL STUDS AT 12" O.C.  
BOTH SIDES 1/4" AIR SPACE, STAGGER STUDS  
3 1/2" ACOUSTICAL BATT INSULATION, BOTH SIDES  
EXISTING CONCRETE SLAB  
EXISTING FOUNDATION AND FOOTING  
EXISTING FLOOR SLAB  
EXISTING STEEL BEAM  
ACOUSTICAL SEALANT, TOP AND BOTTOM, BOTH SIDES  
DEFLECTION TRACKS  
EXISTING STEEL BEAM  
BETWEEN  
PROVIDE ACOUSTICAL SEALANT AT ALL ELECTRICAL BACK BOXES, TYPICAL  

WALL TYPE G4.0:  
5/8" GWB  
3 5/8" METAL STUDS AT 12" O.C.  
3 1/2" ACOUSTICAL BATT INSULATION  
5/8" GWB  
EXISTING STEEL BEAM  
ACOUSTICAL SEALANT, TOP AND BOTTOM, BOTH SIDES  
DEFLECTION TRACK  
EXISTING STEEL BEAM  
BEYOND  

WOODBLOCK IN WM FRAME  
PATCH AND REPAIR TOP OF WALL FLUSH WITH FLOOR  

ACOUSTICAL CEILING PANELS  
- SEE REFLECTED CEILING PLAN
1. Plan Details

2. Plan Details

3. Plan Details

4. Projection Screen

5. Stepped Wall Section

6. Column Enclosure

7. Pipe Trench Detail

8. Head & Jamb

9. Head & Jamb in Existing Wall

10. Head & Jamb

11. Exterior Head

12. Exterior Jamb

13. Typical Sofit Detail

14. Door Schedule

15. Dumpster Slab Section

16. Exterior Sill Detail

**Notes:**
- NEW GWB, PATCH FLUSH ABUT PAD AND LEVEL WITH EXISTING PAVING.
- CUT AND FILL GRADE AS REQUIRED.
- PLANT ARBORVIAE ALONG EAST, SOUTH AND WEST SIDES OF RETAINING WALL WHERE SLOPE HAS INCREASED.
- PROVIDE OPENING TO DRIVEWAY TO NORTH OF TANK.
- BACKFILL AS REQUIRED.
- DETECTABLE WARNING TAPE TO BE PLACED 6" BELOW FINISH GRADE AND DIRECTLY ABOVE GAS PIPE.
- 12" BELOW FINISH GRADE AND DIRECTLY ABOVE GAS PIPE.
- CRUSHED STONE 8" THICK LAYER 3/8" SANDBLAST CONCRETE FOOTING, TYPICAL OR AS NOTED.
- EXISTING FOUNDATION PIN/DOWEL CONCRETE HARDWARE SET INTO SEALANT, SEE DOOR SCHEDULE.
- CREATE FLUSH CONDITION WITH EXISTING SLAB.
- FILLER MORTAR NET AIR/VAPOR BARRIER EXTERIOR SHEATHING REPLACE MASONRY VENEER MORTAR NET AIR/VAPOR BARRIER EXTERIOR SHEATHING.
- CONTINUOUS WOOD FRAME FLASHING WITH EXISTING TOOTH-IN MASONRY VENEER.
- WEEPS @ 2'-0" O.C. TO MATCH EXISTING CONTINUOUS WOOD FRAME FLASHING.
- PULL SILL FLASHING TO MATCH EXISTING CONTINUOUS WOOD FRAME FLASHING.
- CONTINUOUS WOOD FRAME FLASHING TO MATCH EXISTING.
1. All finishes shall be installed in VCT-4 = Cherry Red #51816.

2. Products indicated are basis of design at the centerline of an opening where no door occurs unless noted otherwise.

3. All floor finish changes shall occur under centerline of door in closed, or position of requirements.

4. Refer to base details and transition detail for additional information.

5. Approved during construction.

6. Compartments and/or performance comparable products and/or performance requirements.

Floor Finish Legend:
- VCT-1 = Shelter White #51836
- VCT-2 = Field Gray #51927
- VCT-3 = Charcoal #51915
- VCT-4 = Cherry Red #51816
- RC = Resilient Carpet
- EF = Epoxy Flooring

General Notes:
- EF-1 = TBD
- SV-SR-1 = TBD

Architect, Engineers, and Interior Design:
- Drummey Rosane Anderson, Inc.
- 225 Oakland Road Suite 205
- South Windsor, CT 06074
- info@draws.com
- 860.644.8300

State Project No:
AF101

School Renovations:
- Granby Memorial High School
- Granby, CT
- 20210.00

Planning, Architecture, Interior Design:
- Granby, CT
- DRA
- 17/2022

Floor Finishes Plan

Plan:
- 1/7/2022
- BID SET
- AF101
<table>
<thead>
<tr>
<th>Item</th>
<th>Qty</th>
<th>Description</th>
<th>Plumbing</th>
<th>Electrical</th>
<th>Mechanical / Equipment</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>47a</td>
<td>1</td>
<td>Demand Control System Interface Screen Cable from Item 47</td>
<td>Cable provided with system</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>45b</td>
<td>1</td>
<td>Room Temperature Sensor Wiring from Item 45</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12a</td>
<td>1</td>
<td>Cooler Evaporator Coil 3/4&quot; IW to FD</td>
<td>1 A - 208/1; Low voltage wiring from evaporator coil controller to BMS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12b</td>
<td>1</td>
<td>Cooler Condensing Unit 5.2 A - 0.8 HP - 208/3</td>
<td>Mounted on roof - See Detail 1/FS111</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>63</td>
<td>1</td>
<td>Sandwich Prep Refrigerator 5.4 A - 120/1</td>
<td>C&amp;P (from mounted DR at Item 62)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>59</td>
<td>1</td>
<td>Pass-Thru Warming Cabinet 6.3 A - 208/1</td>
<td>C&amp;P (NEMA 6-20P)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>62</td>
<td>1</td>
<td>Deli Serving Counter (4) 20 A circuit</td>
<td>120/1 mounted DR by KEC (stub-up)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>51</td>
<td>1</td>
<td>Work Table (2) 20 A circuit</td>
<td>120/1 table mounted DR by KEC (stub-up)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>49</td>
<td>1</td>
<td>Cook's Work Table with Overshelf (4) 20 A circuit</td>
<td>120/1 table mounted DR by KEC (stub-up)</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>46</td>
<td>1</td>
<td>Fire Suppression System</td>
<td>120/1; J-box for connection to building alarm system &amp; equipment shutdown</td>
<td></td>
<td></td>
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<tr>
<td>38</td>
<td>1</td>
<td>Forty Gallon Braising Pan</td>
<td>1/2&quot; G @ 144 MBTU; 1/2&quot; H&amp;CW 5 A - 120/1</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>37</td>
<td>2</td>
<td>Double Convection Oven</td>
<td>3/4&quot; G @ 100 MBTU; QD (2) 8 A - 120/1 - C&amp;P Provided with quick disconnect gas hose assembly</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>36</td>
<td>1</td>
<td>-spare number-</td>
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<tr>
<td>35</td>
<td>3</td>
<td>Bun Pan Rack</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>34</td>
<td>1</td>
<td>File Cabinet (by GC)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>1</td>
<td>Drop Cord Assembly 20 A circuit</td>
<td>120/1 Coordination required between EC &amp; GC to mount to ceiling</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>29</td>
<td>2</td>
<td>Mobile Work Table</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>3</td>
<td>Waste Bin (by Owner)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>1</td>
<td>Wall Shelf</td>
<td>Requires wall blocking by GC (See Special Conditions Plan)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>1</td>
<td>Prep Table with Sinks</td>
<td>1/2&quot; H&amp;CW; 2&quot; IW to FS (2) 20 A circuit - 120/1 wall mounted convenience outlet</td>
<td></td>
<td></td>
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<tr>
<td>16</td>
<td>2</td>
<td>Dunnage Rack</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>14</td>
<td>6</td>
<td>Mobile Dunnage Rack</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>13</td>
<td>1</td>
<td>Mobile Shelving Unit, Four-Tier</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>1</td>
<td>Water Filter Assembly</td>
<td>3/8&quot; CW PC to branch filtered CW output supply piping to Item 19;</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>11</td>
<td>1</td>
<td>Walk-in Freezer</td>
<td>1.3 KW - 120/1 (lights, temp. monitor/alarm, etc);</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>1</td>
<td>Walk-in Cooler</td>
<td>1.1 KW - 120/1 (lights, temp. monitor/alarm, etc);</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>1</td>
<td>-spare number-</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>27</td>
<td>Stainless Steel Corner Guard</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>Front Load Clothes Dryer</td>
<td>30 A circuit - 120/240/1 - C&amp;P 4&quot; diameter dryer vent</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>Detergent Storage Cabinet</td>
<td>Requires wall blocking by GC (See Special Conditions Plan)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>3</td>
<td>1</td>
<td>Mop Bucket (by Owner)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>Mop Sink &amp; Faucet (by PC)</td>
<td>1/2&quot; H&amp;CW; Drain in Floor PC to install on sub-floor prior to finished floor with coved base (by GC)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>122a</td>
<td>1</td>
<td>Demand Control System Interface Screen Cable from Item 122</td>
<td>Cable provided with system</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>131</td>
<td>1</td>
<td>Beverage Table (3)</td>
<td>20 A circuit - 120/1 wall mounted convenience DR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>133</td>
<td>8</td>
<td>Storage Cubbies (by GC)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>129</td>
<td>1</td>
<td>Wall Oven (by GC)</td>
<td>20 A - 3.2 KW - 208/1 Verify utility requirements for equipment by Others</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>128</td>
<td>1</td>
<td>Stainless Steel Wall Oven Cabinet</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>127</td>
<td>1</td>
<td>Work Counter with Sinks (2)</td>
<td>1/2&quot; H&amp;CW; 2&quot; IW to FS;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>118</td>
<td>1</td>
<td>Stainless Steel Utility Chase</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>117</td>
<td>2</td>
<td>Work Table For gas supply main from above</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>112</td>
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<td></td>
</tr>
<tr>
<td>108</td>
<td>1</td>
<td>Wall Shelf</td>
<td>Requires wall blocking by GC (See Special Conditions Plan)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>104</td>
<td>1</td>
<td>Stacked Clothes Washer/Dryer</td>
<td>1/2&quot; H&amp;CW; Standpipe W 20 A circuit - 120/1 - C&amp;P; 4&quot; diameter dyer vent</td>
<td></td>
<td></td>
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<tr>
<td>103</td>
<td>1</td>
<td>Mobile Shelving Unit, Four-Tier</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>99</td>
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<tr>
<td>97</td>
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<tr>
<td>92</td>
<td>5</td>
<td>Mobile Shelving Unit, Four-Tier</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>87</td>
<td>1</td>
<td>Warewasher</td>
<td>1/2&quot; HW; 1/2&quot; CW (drain tempering); 2&quot; IW to FS 68 A - 480/3;</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>83</td>
<td>2</td>
<td>Portable Traffic Barrier Stanchion (set of two)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>76</td>
<td>1</td>
<td>Convertible Glass Food Protector with Warmer</td>
<td>5.3 A - 1.1 KW - 208/1 (stub-up)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>74</td>
<td>1</td>
<td>Full Service Glass Food Protector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>73</td>
<td>1</td>
<td>Fill Faucet 1/2&quot; HW (stub-up)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>67</td>
<td>1</td>
<td>Convertible Glass Food Protector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>65</td>
<td>1</td>
<td>Drop-in Hot Food Well</td>
<td>1&quot; IW to FS 10 A - 1.2 KW - 120/1 - C&amp;P (from mounted DR at Item 62)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>71</td>
<td>1</td>
<td>Exhaust Ventilator Power to lights from Item 47</td>
<td>EXH: 1,800 CFM thru a 14&quot; dia. collar @ -0.854&quot; SP;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>69</td>
<td>1</td>
<td>Two-Tier Heated Display Shelf</td>
<td>15.1 A - 120/1 - C&amp;P (from mounted DR at Item 68)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>-spare number-</td>
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<td>1</td>
<td>-spare number-</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>92</td>
<td>5</td>
<td>Mobile Shelving Unit, Four-Tier</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>87</td>
<td>1</td>
<td>Warewasher</td>
<td>1/2&quot; HW; 1/2&quot; CW (drain tempering); 2&quot; IW to FS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>83</td>
<td>2</td>
<td>Portable Traffic Barrier Stanchion (set of two)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>76</td>
<td>1</td>
<td>Convertible Glass Food Protector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>74</td>
<td>1</td>
<td>Full Service Glass Food Protector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>73</td>
<td>1</td>
<td>Fill Faucet 1/2&quot; HW (stub-up)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>67</td>
<td>1</td>
<td>Convertible Glass Food Protector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>65</td>
<td>1</td>
<td>Drop-in Hot Food Well</td>
<td>1&quot; IW to FS 10 A - 1.2 KW - 120/1 - C&amp;P (from mounted DR at Item 62)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>71</td>
<td>1</td>
<td>Exhaust Ventilator Power to lights from Item 47</td>
<td>EXH: 1,800 CFM thru a 14&quot; dia. collar @ -0.854&quot; SP;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>69</td>
<td>1</td>
<td>Two-Tier Heated Display Shelf</td>
<td>15.1 A - 120/1 - C&amp;P (from mounted DR at Item 68)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Abbreviations used:**
- CR: Condensate return
- GC: General Contractor
- QD: Quick disconnect
- FHW: Fahrenheit hot water
- BTC: Branch to connection
- PC: Plumbing Contractor
- MUA: Make-up air
- MBTU: BTU per hour/1000
- H&C: Hot & Cold
- SS: Steam supply
- CFM: Cubic feet per minute
- G: Gas
- M: Make-up
- FD: Floor drain
- PC: Plumbing Contractor
- D: Demand
- KEC: Kitchen Equip. Contractor
- DRA: Drummey Rosane Anderson
- H: Hot
- FS: Floor sink
- M: Make-up
- BTC: Branch to connection
- FHW: Fahrenheit hot water
- MBTU: BTU per hour/1000
- H&C: Hot & Cold
- SS: Steam supply
- CFM: Cubic feet per minute
- G: Gas
- M: Make-up
- FD: Floor drain
1. THE INTENT OF THE PLANS AND SPECIFICATION IS FOR A PARTIAL REMOVAL OF ALL FIRE PROTECTION SYSTEMS WITHIN THE SCOPE OF WORK OUTLINED. ALL SYSTEMS OUTSIDE OF THE SCOPE OF WORK ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

2. OUTLINED AREAS INDICATE AREAS OF SCOPE. OUTLINED AREAS MAY BE SHOWN OFFSET FROM WALLS FOR GRAPHICAL CLARITY. DEMOLITION SCOPE SHOULD INCLUDE DEMOLITION OF ITEMS ON AND WITHIN THE WALL. REFER TO ARCHITECTURAL PLANS FOR ENTIRE SCOPE OF WORK.

3. ALL SERVICES THAT SERVE EXISTING AREAS OUTSIDE OF THE SCOPE OF WORK AREA SHALL BE COORDINATED WITH THE SCOPE OF NEW WORK. THESE SPACES WILL NEED TO REMAIN OPERATIONAL UNTIL INTERCONNECTION TO NEW CONSTRUCTION.

4. PRIOR TO SUBMITTING BID, CONTRACTOR SHALL VISIT THE SITE AND REVIEW ALL EXISTING CONDITIONS. NO COMPENSATION WILL BE GRANTED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE CONDITIONS THAT ARE VISABLE OR REDILY IDENTIFIED BY EXPERIENCED OBSERVERS. INCLUDE IN THE BID ALL DEMOLITION WORK REQUIRED FOR A COMPLETE DEMOLITION OF THE SYSTEMS.
NEW CEILING SPRINKLER
EXISTING SPRINKLER
BRANCH/MAIN SUPPORT AS REQUIRED
PER NFPA 13
NEW ARM-OVER
REMOVE EXISTING ARM-OVER BACK TO BRANCH PIPING.
CONNECT NEW ARM OVER TO EXISTING BRANCH/MAIN OUTLET
FINISHED CEILING
NOTE:
SPRINKLER TYPE MAY NOT BE AS SHOWN, REFER TO FLOOR PLANS, FOR EXACT SPRINKLER TYPE CONCEALED Type SPRINKLER HEAD
1" ELBOW REDUCER
1" SPRINKLER BRANCH LINE
CEILING CONSTRUCTION
1" DROP NIPPLE TO ACCOMODATE CEILING ELEVATION
SPRINKLER HEAD. TYPE AS INDICATED ON PLANS.
MIN. PER FM= 7"
MAXIMUM TOTAL OF 3 BENDS 1-INCH DIAMETER (MAX LENGTH 48 INCHES)
REDUCING OUTLET BRACKET ASSEMBLY
2.5" MIN. FROM ENDS (TYPICAL)
MECH TEE OUTLET (1-INCH)
1-INCH NIPPLE (INLET)
NUT (TYPICAL)
ADAPTER RING (TYPICAL)
COLLAR (TYPICAL)
THREADED IRON ELBOW FITTING (TYPICAL)
GALVANIZED ALL-THREADED ROD ATTACHED TO STRUCTURE SPRINKLER BRANCH PIPING PIPE HANGER
REDUCER FITTING (TYPICAL)
UPRIGHT TYPE SPRINKLER WITH WIRE GUARD UPRIGHT TYPE APPLICATION WITH WIRE GUARD
GRANBY, CT
SCALE:
1" = 8'-0"
JOB NO.:
DRAWN BY:
DATE:
COPYRIGHT 2021 DRUMMEY ROSANE ANDERSON, INC.
225 Oakland Road Suite 205
South Windsor, CT 06074
860.644.8300
info@draws.com
Planning Architecture Interior Design
1,000 GALLON ABOVE GROUND PROPANE TANKS. TANKS SHALL BE 3' APART AND 25' MIN FROM BUILDING PER NFPA 58. PROVIDE WITH 11'X17' CONCRETE PAD. MANCHESTER TANK MODEL # 68284 BASIS OF DESIGN.

PROPANE SHALL BE RUN AT 2PSI TO SECOND STAGE REGULATOR AT BUILDING. 2PSI BURIED PROPANE PIPING TO BUIDLING MANIFOLD AND REGULATORS. PROPANE SHALL BE RUN AT 11"W.C. AND REGULATED DOWN AT EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. SECOND STAGE REGULATOR TO BE MOUNTED A MIN. OF 3FT FROM BUILDING OPENINGS. 11"W.C. BURIED PROPANE PIPING TO BUIDLING 1" LP
1. The plumbing contractor shall remove all plumbing fixtures, carriers, and devices that have been disconnected and/or abandoned.

2. All piping to be removed shall be removed completely or as otherwise indicated on the drawings.

3. All piping to be removed shall be removed to be below floor, above ceiling, or in walls back to mains or shut-off valves at mains and properly capped without leaving dead-ended piping.

4. No equipment or devices that have been disconnected and/or abandoned shall remain.

5. All existing piping and equipment shown has been taken from the best shown or indicated on the drawings.

6. The plumbing contractor shall visit the site and become familiar with the existing systems and conditions in areas of renovation.

7. Any systems or equipment to remain active during renovation shall be maintained throughout construction.

8. The plumbing contractor shall coordinate with the owner, CM, and/or architect to satisfy the construction schedule and owner's occupancy requirements.

9. The plumbing contractor shall also review the architectural demolition plans as part of this contract for additional information and details.

10. All service interruptions shall be coordinated and approved with the owner at owner's request or as indicated on drawings shall be made ready for future connection.

11. The plumbing contractor shall coordinate their demolition work with the work of other trades in order to avoid conflicts.

12. Any fixture or equipment to be removed and reused or returned to capped per code without leaving dead-ended piping.

13. The intent of these notes is that in all areas of renovation that they are removed, fixtures, piping, and devices may not be shown. The intent of these notes is that in all areas of renovation that they are removed.

14. No existing hanger systems shown or indicated on drawings is required to be cut and capped back to the main and made ready for future connection.

15. All existing plumbing fixtures and plumbing equipment to be removed. Existing CW, HW, and HWR shall be cut and capped back to the main.

16. Existing CW and HW shall be cut and capped back to the main.

17. Existing vent shall be cut and capped back to the main.

18. Existing vent piping below slab to be removed.

19. Existing floor drain to be removed. Existing sanitary to be cut and capped back to the main.

20. Existing sanitary to be cut and capped back to the main.

21. Existing slab shall be demolished. Refer to architectural plans for exact location and details.

22. 1" 110ºF HWR, 2" 110ºF HW, 3" CW, 4" SAN ETR, 3" SAN ETR, 4" SAN ETR.
PLUMBING DEMOLITION GENERAL NOTES

1. THE PLUMBING CONTRACTOR SHALL REMOVE ALL PLUMBING FIXTURES, CARRIERS, ALL PIPING TO BE REMOVED SHALL BE REMOVED COMPLETELY OR AS OTHERWISE INDICATED ON THE DRAWINGS.

2. NO EQUIPMENT OR DEVICES THAT HAVE BEEN DISCONNECTED AND OR ABANDONED SHALL REMAIN.

3. ALL EXISTING PIPING AND EQUIPMENT SHOWN HAS BEEN TAKEN FROM THE BEST AVAILABLE EXISTING INFORMATION. THE DRAWINGS ARE DIAGRAMMATIC AND ALL INDICATED ON THE DRAWINGS.

4. THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.

5. ALL SERVICE INTERRUPTIONS SHALL BE COORDINATED AND APPROVED WITH THE GENERAL CONTRACTOR ANY AND ALL PHASING OF THE PLUMBING DEMOLITION WORK IN ORDER TO SATISFY THE CONSTRUCTION SCHEDULE AND OWNERS OCCUPANCY REQUIREMENTS.

6. THE PLUMBING CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.

7. ANY SYSTEMS OR EQUIPMENT TO REMAIN ACTIVE DURING RENOVATION SHALL BE KEPT IN OPERATION BY PROVIDING TEMPORARY PIPING CONNECTIONS AS REQUIRED.

8. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE OWNER, CM, AND OR THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.

9. EXISTING WALLS BACK TO MAINS OR SHUT OFF VALVES AT MAINS AND PROPERLY CAPPED PER CODE WITHOUT LEAVING DEAD ENDED PIPING.

10. ALL SERVICE INTERRUPTIONS SHALL BE COORDINATED AND APPROVED WITH THE OWNER AT OWNERS REQUEST OR AS INDICATED ON DRAWINGS SHALL BE.

11. THE PLUMBING CONTRACTOR SHALL COORDINATE THEIR DEMOLITION WORK WITH THAT OF OTHER TRADES IN ORDER TO AVOID CONFLICTS.

12. THE PLUMBING CONTRACTOR SHALL REMOVE ALL PLUMBING FIXTURES, CARRIERS, ALL PIPING TO BE REMOVED SHALL BE REMOVED COMPLETELY OR AS OTHERWISE INDICATED ON THE DRAWINGS.

13. ALL EXISTING PIPING AND EQUIPMENT SHOWN HAS BEEN TAKEN FROM THE BEST AVAILABLE EXISTING INFORMATION. THE DRAWINGS ARE DIAGRAMMATIC AND ALL INDICATED ON THE DRAWINGS.

14. PLUMBING DEMOLITION KEY NOTES

15. THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.

16. THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.

17. THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.

18. THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.

19. THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.

20. THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.

21. THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.

22. THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.
PLUMBING KEY NOTES

P1 CONNECT TO EXISTING 4" SAN WITH NEW 4" SAN CONNECTION.

P2 WATER PIPING BELOW SLAB SHALL BE TYPE K COPPER WITH ELASTOMERIC INSULATION.

P3 CONNECT TO EXISTING SAN WITH NEW SAN CONNECTION. MATCH EXISTING SIZE AND ELEVATION.

P4 CONNECT TO EXISTING CW, HW, HWR WITH NEW 2" CW, 1 1/2" HW AND 3/4" HWR CONNECTIONS.

P5 CONNECT TO EXISTING CW WITH NEW 3/4" CW CONNECTIONS.

P6 BALANCING VALVE SET TO 0.5 GPM.

P7 BALANCING VALVE SET TO 0.5 GPM. REFER TO DETAIL #3/P500.

P8 CONNECT TO EXISTING CW, HW, VENT WITH NEW 3/4" CW, 3/4" HW AND 2" V CONNECTIONS TO SUPPLY JS-1

P9 CONNECT TO EXISTING CW, HW, VENT WITH NEW 1/2" CW, 1/2" HW AND 1 1/2" V CONNECTIONS TO SUPPLY S-1. CONNECT TO EXISTING SAN WITHIN PLUMBING WALL WITH NEW 2" SAN CONNECTION.

P10 MANUAL SHUTOFF VALVE, SOLENOID VALVE AND RECESSED ENCLOSURE FOR EMERGENCY GAS SHUTOFF FURNISHED/INSTALLED BY DIV.22, WIRED TO SHUTOFF SYSTEM BY DIV.26. VALVE SHALL BE 120V NORMALLY CLOSED TYPE. REFER TO DETAIL #4/P500. COORDINATE MOUNTING HEIGHT OF ENCLOSURE WITH ARCHITECT.

P11 CONNECT NEW 4" NG TO EXISTING NATURAL GAS METER ASSEMBLY ON THE EXTERIOR OF THE BUILDING. PROVIDE NATURAL GAS REGULATOR, PRESSURE RELIEF VALVE AND SHUT OFF VALVE ON NEW 4" GAS MAIN. NATURAL GAS REGULATOR SHALL BE SET TO 7-14" W.C.

P12 PIPING TO BE RUN IN SLEEVE IN ACCORDANCE WITH NFPA 54. SLEEVE SHALL EXTEND A MINIMUM OF 1" ABOVE SLAB ON BOTH ENDS. PROVIDE VENT OPENINGS ON BOTH ENDS OF SLEEVE IN ACCESSIBLE LOCATIONS.

P13 PROVIDE MIXING VALVE AND EYE WASH DIRECTLY ABOVE JANITOR SINK. SEE DETAIL #2/P500.

P14 EXISTING CW AND HW SHALL BE CUT AND CAPPED WITHIN WET WALL. EXISTING SHOWER TRIM SHALL BE REMOVED. EXISTING FLOOR DRAIN SHALL BE REMOVED AND SANITARY SHALL BE CUT AND CAPPED OUTSIDE OF THE NEW CHASE. OTHER FLOOR DRAINS WITHIN SHOWER AREA TO BE MAINTAINED. REVISE EXISTING WASTE PIPING AS REQUIRED. OTHER EXISTING PIPING WITHIN NEW CHASE SHALL BE RE ROUTED AROUND CHASE TO MAINTAIN PLUMBING SYSTEMS.

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860.644.8300
info@draws.com

Planning   Architecture   Interior Design

GRANBY MEMORIAL HIGH SCHOOL
GRANBY, CT
SCHOOL RENOVATIONS

BID SET
01/7/2022

PLUMBING UNDERGROUND FLOOR PLAN

1/8" = 1'-0"
PLUMBING KEY NOTES:

P1 CONNECT TO EXISTING 4" SAN WITH NEW 4" SAN CONNECTION.

P2 WATER PIPING BELOW SLAB SHALL BE TYPE K COPPER WITH ELASTOMERIC INSULATION.

P3 CONNECT TO EXISTING SAN WITH NEW SAN CONNECTION. MATCH EXISTING SIZE AND ELEVATION.

P4 CONNECT TO EXISTING CW, HW, HWR WITH NEW 2" CW, 1 1/2 "HW AND 3/4"HWR CONNECTIONS.

P5 CONNECT TO EXISTING CW WITH NEW 3/4" CW CONNECTIONS.

P6 BALANCING VALVE SET TO 0.5 GPM.

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P9 CONNECT TO EXISTING CW, HW, VENT WITH NEW  1/2"CW, 1/2 "HW AND 1 1/2"V CONNECTIONS TO SUPPLY S-1. CONNECT TO EXISTING SAN WITHIN PLUMBING WALL WITH NEW 2" SAN CONNECTION.

P10 MANUAL SHUTOFF VALVE, SOLENOID VALVE AND RECESSED ENCLOSURE FOR EMERGENCY GAS SHUTOFF FURNISHED/ INSTALLED BY DIV.22, WIRED TO SHUTOFF SYSTEM BY DIV.26. VALVE SHALL BE 120V NORMALLY CLOSED TYPE. REFER TO DETAIL #4/P500. COORDINATE MOUNTING HEIGHT OF ENCLOSURE WITH ARCHITECT.

P11 CONNECT NEW 4"NG TO EXISTING NATURAL GAS METER ASSEMBLY ON THE EXTERIOR OF THE BUILDING. PROVIDE NATURAL GAS REGULATOR, PRESSURE RELIEF VALVE AND SHUT OFF VALVE ON NEW 4" GAS MAIN. NATURAL GAS REGULATOR SHALL BE SET TO 7-14"W.C..

P12 PIPING TO BE RUN IN SLEEVE IN ACCORDANCE WITH NFPA 54. SLEEVE SHALL EXTEND A MINIMUM OF 1" ABOVE SLAB ON BOTH ENDS. PROVIDE VENT OPENINGS ON BOTH ENDS OF SLEEVE IN ACCESSIBLE LOCATIONS.

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NOTES:

1. CONFIRM WITH LOCAL UTILITY COMPANY ALL INSTALLATION REQUIREMENTS (I.E. VALVES, UNIONS, Fittings).

2. MANUAL SHUTOFF VALVE, SOLENOID VALVE AND RECESSED ENCLOSURE FOR EMERGENCY GAS SHUT OFF STATION. PROVIDE VANDAL RESISTANT HARDWARE.

3. PROVIDE PRESSURE RELIEF VALVE WITH AGA APPROVED, FULL OUTLET.

4. PROVIDE GAS CONNECTION TO ALL GAS FIRED EQUIPMENT.

5. PROVIDE BALANCE VALVE ABOVE CEILING. PROVIDE WITH A LOCKABLE ACCESS DOOR IF LOCATED IN A HARD CEILING.

PROVIDE DUAL CHECK BACKFLOW PREVENTER MOUNTED TO SPRAY EYEWASH.

COORDINATE BOX SIZE WITH WALL THICKNESS AND SIZE OF VALVES. COORDINATE FINISH WITH DRAWINGS FOR COORDINATION AND CONTINUATION.

NOTES:

1. REFER TO FLOOR PLANS FOR PIPE SIZES, PRESSURE GAUGE (TYP.), BALL VALVE (TYP.), UNION CONNECTION (TYP.), UNION (TYPICAL), AND SIZE OF VALVES. COORDINATE FINISH WITH WALL THICKNESS AND SIZE OF VALVES. COORDINATE BOX SIZE WITH WALL THICKNESS AND SIZE OF VALVES.

2. CONFIRM WITH LOCAL UTILITY COMPANY ALL INSTALLATION REQUIREMENTS (I.E. VALVES, UNIONS, FITTINGS). COORDINATE BOX SIZE WITH WALL THICKNESS AND SIZE OF VALVES. COORDINATE Finishes with Wall Thickness and Size of Valves.

3. PROVIDE PRESSURE RELIEF VALVE WITH AGA APPROVED, FULL OUTLET.

4. PROVIDE GAS CONNECTION TO ALL GAS FIRED EQUIPMENT.

5. PROVIDE BALANCE VALVE ABOVE CEILING. PROVIDE WITH A LOCKABLE ACCESS DOOR IF LOCATED IN A HARD CEILING.
9. THE INSIDE OF DUCTWORK VISIBLE THROUGH A GRILLE OR DIFFUSER SHALL BE PAINTED

6. INTERNAL AIR FLOW DIMENSIONS ARE SHOWN FOR DUCTS. CONTRACTOR SHALL INCREASE

14. WHERE DUCTS PENETRATE WALLS WITH SOUND ISOLATION PERFORMANCE RATINGS,

FIRESTOPPING NOTES:

1. GENERAL NOTES, SYMBOLS AND DETAILS ARE APPLICABLE TO ALL DRAWINGS WITHIN

2. DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO INDICATE CAPACITY, SIZE,

4. RUN DUCTS AND PIPING CONCEALED, UNLESS SPECIFIED OTHERWISE OR AS APPROVED BY

6. COORDINATE WORK OF THIS SECTION WITH THAT OF OTHER SECTIONS AND WITH ALL

7. NOT ALL ACCESS DOORS HAVE BEEN SHOWN ON THE PLANS FOR CLARITY. PROVIDE ACCESS

13. PERFORM PRESSURE AND LEAKAGE TESTS BEFORE INSULATING DUCTWORK AND PIPING

12. VERIFY ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S DRAWINGS. VERIFY AND

11. CONTROL WIRING METHODS SHALL COMPLY WITH NEC, AND DIVISION 26 SPECIFICATIONS.

...
1. THE INTENT OF THE PLANS AND SPECIFICATION IS FOR A COMPLETE REMOVAL OF ALL SYSTEMS WITHIN 3. ALL SERVICES THAT SERVE THE BOARD OF EDUCATION SPACE AND WELCOME CENTER SHOULD BE
2. OUTLINED AREAS INDICATE AREAS OF SCOPE. OUTLINED AREAS MAY BE SHOWN OFFSET FROM WALLS 5. REMOVE AND DISPOSE OF MECHANICAL EQUIPMENT, DUCT WORK AND PIPING TO THE EXTENT INDICATED.
7. EXISTING CONDITIONS ARE BASED ON REFERENCE DRAWINGS AS WELL AS FIELD VERIFICATION WHERE 6. THIS PLAN IS DIAGRAMMATIC AND NOT INTENDED TO DE PICT THE ENTIRE SCOPE OF MECHANICAL 9. NO EQUIPMENT, PIPING, OR CONDUIT SHALL BE ABANDONED IN PLACE UNLESS SPECIFICALLY NOTED.
8. IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW EVERY PIECE OF EQUIPMENT, PIPING, OR ASSOCIATED HANGERS, SUPPORTS, PIPES, DUCTS, CONDUITS, WIRES, AND CONTROLS BACK TO THE UNTIL INTERCONNECTION TO NEW CONSTRUCTION.
10. ALL SYSTEMS THROUGHOUT THE RENOVATED AREA, SHALL BE REMOVED AS SHOWN AND NOTED ON THE NO COMPENSATION WILL BE GRANTED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE CONDITION.
MECHANICAL KEY NOTES

M1 EXHAUST DUCTS FOR FUTURE USE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 23 3100 FOR GREASE DUCTS. GREASE DUCTS SHALL ALSO BE INSULATED IN ACCORDANCE WITH SECTION 23 0700.

M2 PROVIDE HEAT TRACE ON ALL WALK-IN COOLER AND FREEZER CONDENSATE PIPING IN ACCORDANCE WITH DETAILS AND SCHEDULE.

M3 CONTRACTOR SHALL RE-BALANCE UNIT TO AIRFLOWS INDICATED ON PLAN. PROVIDE ADDITIONAL SHEAVES/BELTS AS REQUIRED TO ACHIEVE REQUIRED AIRFLOWS.

M4 PROVIDE EXHAUST DUCTS THROUGH ROOF FOR FUTURE CONNECTION. PROVIDE ROOFCURB AND MAKE WEATHERTIGHT. TYP OF 3

M5 PROVIDE ROOF RAILS FOR SUPPORT OF FAN IN ACCORDANCE WITH DETAIL 9/M500 ROOFTOP GREASE EXHAUST DUCTWORK SHALL BE INSULATED & JACKETED IN ACCORDANCE WITH SECTION 23 0700.

M6 KITCHEN EXHAUST FANS (KEF-1 & KEF-2) SHALL BE INSTALLED A MINIMUM OF 10'-0" FROM ROOF EDGE.

M7 PROVIDE NEW NEMA 3R VFD, MOUNTED TO UNIT, FOR SUPPLY & RETURN FANS. REFER TO RTU CONTROLS DIAGRAMS, SHEET M700, FOR ADDITIONAL INFORMATION.

M8 LOCATION OF RELOCATED DUST COLLECTOR.
**FAN SCHEDULE**

<table>
<thead>
<tr>
<th>MAKE</th>
<th>MODEL</th>
<th>DESCRIPTION</th>
<th>LOCATION</th>
<th>PRESSURE</th>
<th>TEMPERATURE</th>
<th>FLOWRATE</th>
<th>CFM</th>
<th>BHP</th>
<th>RPM</th>
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<tbody>
<tr>
<td>BHP</td>
<td>BTG</td>
<td>100% BLOWER</td>
<td>BATHROOM</td>
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<td>1.5</td>
<td>218</td>
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<td>2</td>
<td>115</td>
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<tr>
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**HEAT TRACE SCHEDULE**

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<th>MANUFACTURER/NUMBER</th>
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<th>INSTALL</th>
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**REMARKS**

1. REFER TO MANUFACTURERS GUIDELINES FOR PIPE INSULATION REQUIREMENTS.
2. INSTALL PER MANUFACTURERS GUIDELINES.
3. PROVIDE SINGLE-POINT HEAT-TRACING CONTROL SYSTEM C910-485.
4. PROVIDE BLANKOFF STRIPS FOR INACTIVE SECTIONS.
   PROVIDE CUSTOM CURVING AS NECESSARY, COORDINATE WITH MECHANICAL CONTRACTOR.

**HYDRONIC RADIANT CEILING PANEL SCHEDULE**

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<th>WIDTH</th>
<th>TUBES</th>
<th>BTUH</th>
<th>INSULATION</th>
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<td>3</td>
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**DIFFUSER AND REGISTER SCHEDULE**

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<tr>
<th>DIFFUSER</th>
<th>WIDTH</th>
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<tbody>
<tr>
<td></td>
<td>12x12</td>
<td>LF</td>
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**NOTES:**

1. 1/2" I.D. COPPER TUBING MECHANICALLY ATTACHED TO EXTRUDED ALUMINUM LINEAR PANEL(S), INDICATES UNIT.
2. SUSPEND UNIT FROM STRUCTURE ABOVE AT FOUR CORNERS WITH SPRING VIBRATION ISOLATORS. REFER TO DETAILS FOR ADDITIONAL INFORMATION.

**ACOUSTICAL DATA**

<table>
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<tr>
<th>TEMP (°F)</th>
<th>TOTAL MBH</th>
<th>GPM</th>
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**ELECTRICAL**

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**MECHANICAL SCHEDULES**

- **BID SET**
- **PERMIT SET**
- **RENOVATIONS**
- **MEMORIAL HIGH SCHOOL**
- **CT**

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Drummey Rosane Anderson, Inc.
2. Fan shall start if temperature in hood is higher than general sequence of operation.

3. RTU shall modulate outside & return air once hood is on.

Provide outdoor air measuring station. Refer to RTU sequence of operation for additional setpoint.

1. Occupied: the supply fan shall be on and run at minimum speed (25%, adj.), if, supply fan control sequence of operation.

2. If the supply air temperature setpoint is satisfied the heating hot water control valve shall open.

A. Demand controlled ventilation, CO2 setpoint.

B. Space temperature.

C. As required for economizer operation.

After 10 minutes the temperature within the space is still departing from minimum outside air control.

1. The hand-off-automatic switch on the VFD shall provide for the following:

• DC bus voltage
• Drive temperature
• Motor current
• Auto / out of auto indication

1. Remove existing and provide new digital controller to accept additional points of VFD's and VFD operation. New controllers shall have a minimum of 4 spare inputs and 4 spare outputs.

BID SET 01/7/2022

MECHANICAL CONTROL DIAGRAMS

ACHTN
ARCH #: M700
DATE: 1/17/2022

M700

1/7/2022

Granby Memorial High School
Granby, CT

School Renovations

Memorandum:

1. OCCUPIED: THE SUPPLY FAN SHALL BE ON AND RUN AT MINIMUM SPEED (25%, ADJ.), IF, SUPPLY FAN CONTROL SEQUENCE OF OPERATION

2. IF THE SUPPLY AIR TEMPERATURE SETPOINT IS SATISFIED THE HEATING HOT WATER CONTROL VALVE SHALL OPEN.

A. DEMAND CONTROLLED VENTILATION, CO2 SETPOINT.

B. SPACE TEMPERATURE.

C. AS REQUIRED FOR ECONOMIZER OPERATION.

1. IF THE SPACE TEMPERATURE DROPS BELOW SETPOINT THE RETURN FAN VFD SHALL MODULATE TO MAINTAIN A FIXED OFFSET FROM THE SUPPLY FAN SPEED. BY DEFAULT THIS SHALL BE AS REQUIRED TO ACHIEVE SCHEDULED AIRFLOWS EXISTING MOTOR IS 15HP, 480V/3P POWER.
**LIGHTING FIXTURE SCHEDULE**

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<th>CONT. VOL.</th>
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**TECHNOLOGY DEVICE SCHEDULE**

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<th>DESCRIPTION</th>
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**NOTES:**

A. CEILING HEIGHT 9'-0" OR LOWER: 7'-6" TO BOTTOM OF FIXTURE

C. CEILING HEIGHT 11'-0" TO 12'-0": 9'-6" TO BOTTOM OF FIXTURE

D. PROVIDE THE SAME DISTRIBUTION, EFFICACY AND SOURCE LUMEN OUTPUT.
ELECTRICAL DEMOLITION KEY NOTES

ED1 Region of complete electrical demolition. Refer to demolition notes on drawing E000 for scope of work.

ED2 Existing electrical equipment in this room to remain. Equipment shall be reused for connections to new branch circuits. Refer to electrical riser diagram for scope of work.

ED3 Existing I.T. rack, CATV wall field, telephone punchdown blocks and associated equipment to remain. Structured cabling in region of demolition shall be removed back to this point and disconnected.

ED4 Existing access controllers and power supplies to remain. Access control cabling in region of demolition shall be removed back to this point and disconnected.

ED5 Existing security control panel to remain. Security system cabling in region of demolition shall be removed back to this point and disconnected.

ED6 Existing fire alarm transponders located on floor above to remain. Existing fire alarm system wiring in region of demolition shall be removed back to this point and disconnected. Refer to partial fire alarm system riser diagram for additional information.

ED7 Existing fire alarm voice evacuation panel shall be relocated and reconnected as shown on partial fire alarm riser diagram.

ED8 Existing fire alarm voice evacuation panel shall be relocated and reconnected as shown on partial fire alarm riser diagram.

ED9 Existing cafeteria sound system head-end equipment and all associated speakers and other sound system devices shall be disconnected, removed and returned to owner. Existing punchdown blocks supporting public address system speakers to remain. Public address system cabling in region of demolition shall be removed back to this point and disconnected. Refer to partial public address system riser diagram for additional information.

ELECTRICAL REFERENCE NOTE

1. Refer to drawings E000 and E001 for electrical general notes, abbreviations, legends and symbols list.

2. Refer to drawing E202 for kitchen equipment schedule.
EXISTING I.T. RACK, CATV WALL FIELD, TELEPHONE PUNCHDOWN BLOCKS AND ASSOCIATED EQUIPMENT TO REMAIN. NEW STRUCTURED CABLING SHALL BE ROUTED TO THIS LOCATION AND FINAL CONNECTIONS SHALL BE MADE FOLLOWING OWNER'S STANDARDS.

E1
EXISTING ACCESS CONTROLLERS AND POWER SUPPLIES TO REMAIN. NEW ACCESS CONTROL CABLING SHALL BE ROUTED TO THIS LOCATION AND FINAL CONNECTIONS SHALL BE MADE FOLLOWING OWNER'S STANDARDS.

E2
EXISTING SECURITY SYSTEM CONTROL PANEL TO REMAIN. NEW SECURITY SYSTEM CABLING SHALL BE ROUTED TO THIS LOCATION AND FINAL CONNECTIONS SHALL BE MADE FOLLOWING OWNER'S STANDARDS.

E3
EXISTING FIRE ALARM VOICE EVACUATION CENTER SHALL BE RELOCATED TO THIS LOCATION. NEW SPEAKER/STROBE DEVICES SHALL BE CONNECTED TO THIS PANEL FOR VOICE EVACUATION SIGNAL. REFER TO PARTIAL FIRE ALARM RISER DIAGRAM FOR ADDITIONAL INFORMATION.

E4
EXISTING PUNCHDOWN BLOCKS SUPPORTING PUBLIC ADDRESS SYSTEM SPEAKERS TO REMAIN. NEW PUBLIC ADDRESS SYSTEM CABLING SHALL BE ROUTED TO THIS LOCATION AND FINAL TERMINATIONS SHALL BE MADE FOLLOWING OWNER'S STANDARDS. REFER TO PARTIAL PUBLIC ADDRESS SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.

E5
EXISTING FIRE ALARM SYSTEM TRANSPONDERS LOCATED ON FLOOR ABOVE TO REMAIN. NEW FIRE ALARM SYSTEM CABLING SHALL BE CONNECTED TO EXISTING ADDRESSABLE LOOP AND NOTIFICATION CIRCUITS. REFER TO PARTIAL FIRE ALARM SYSTEM RISER DIAGRAM FOR ADDITIONAL INFORMATION.

E6
PROVIDE 120V, 20A-1P POWER TO PROJECTION SCREEN. PROVIDE WITH CONTROL WIRING TO CAFETERIA AV RACK, PER AV SYSTEM DETAIL.

E7
PROVIDE FIRE ALARM CONTROL MODULE TO MUTE CAFETERIA AV/SOUND SYSTEM IN THE EVENT OF BUILDING ALARM. REFER TO AV SYSTEM DETAIL FOR CONNECTIONS.

E8
SUPPLY AND RETURN FAN MOTORS TO BE REPLACED ON ROOFTOP UNIT BY HVAC. EC SHALL TEMPORARILY DISCONNECT BRANCH CIRCUIT TO UNIT AND RECONNECT WHEN NEW MOTORS ARE INSTALLED. NEW VFD'S SHALL BE FURNISHED BY HVAC AND INSTALLED/WIRED BY EC AT ROOF LEVEL, LOCATIONS SHOWN ON MECHANICAL DRAWINGS. EXISTING BRANCH CIRCUIT WIRING SHALL BE EXTENDED TO VFD LOCATION AND FROM VFD TO UNIT. WIRE SIZE SHALL MATCH THAT OF EXISTING BRANCH CIRCUIT. INCLUDE 3#8+1#10G, 1"C. IN BID.

E9
PROVIDE 30A-3P DISC. SWITCH FOR FUTURE AIR COMPRESSOR. POWER VIA 3#8+1#10G, 1"C. TO 30A-3P BREAKER IN PANELBOARD. FINAL CONNECTIONS BY OTHERS.

E10
PROVIDE 30A-3P DISC. SWITCH FOR FUTURE DUST COLLECTOR. POWER VIA 3#8+1#10G, 1"C. TO 20A-3P BREAKER IN PANELBOARD. FINAL CONNECTIONS BY OTHERS.
1. KITCHEN GAS AND ELECTRIC SHUTOFF DETAIL WITH NATURAL GAS DETECTION

2. UPON DETECTION OF COMBUSTIBLE GAS, GAS CONTROL PANEL SHALL GO INTO ALARM, CLOSING GAS SOLENOID VALVE, SEPARATE FROM THIS SYSTEM.

3. DESIGN: AGS MERLIN 1000S+ UTILITY CONTROL PANEL FOR GAS SIGNAL

4. SEPARATE SOLENOID VALVE CONNECTED TO ANSUL SYSTEM. REFER TO FOOD SERVICE EQUIPMENT MOUNTED DIRECTLY ABOVE CONTROLLER IF NOT SHOWN ON PLANS.

5. ELECTRICAL INTERWIRING NOTES

6. EC SHALL PROVIDE SHUNT TRIP CIRCUIT BREAKER IN PANEL WITH 120V COIL (TYP.). SEE KITCHEN MOUNTED DIRECTLY ABOVE CONTROLLER IF NOT SHOWN ON PLANS.

7. PROVIDE FIRE ALARM MONITOR MODULE AND CONNECTIONS TO FIRE ALARM SYSTEM. REFER TO FIRE ALARM RISER FOR ADDITIONAL INFORMATION.

8. ALL RECEPTACLES OTHER THAN NEMA 5-15R AND 5-20R SHALL BE PROTECTED BY A GFCI BREAKER IN SOURCE PANELBOARD.

9. PROVIDE 15mA GFCI BREAKER IN PANELBOARD FOR EQUIPMENT. DO NOT PROVIDE GFCI RECEPTACLE.

10. REMARKS:

- 1PTS = 1-POLE MOTOR RATED/ THERMAL OVERLOAD TOGGLE SWITCH
- 2PTS = 2-POLE MOTOR RATED/ THERMAL OVERLOAD TOGGLE SWITCH
- C.O. = CONVENIENCE OUTLET. ALL RECEPTACLE SHALL BE GFCI TYPE. "a" INDICATES ABOVE COUNTER LOCATION.
- KEC = KITCHEN EQUIPMENT CONTRACTOR
- FSC = FOOD SERVICE CONTRACTOR

11. ELECTRICAL KITCHEN EQUIPMENT SCHEDULE
NOTES

2. PROVIDE TESTING AND REPROGRAMMING OF EXISTING CONTROL PANEL TO ACCOMMODATE NEW

4. PROVIDE WIRING OF SAME CLASS/STYLE AS EXISTING FIRE ALARM WIRING USED IN BUILDING. PROVIDE

7. ALL NEW DEVICES SHALL BE SET UP IN "CLIP" MODE TO BE COMPATIBLE WITH EXISTING NOTIFIER AM1010
Notifier Model

Control Panel

BEAM CLAMP OR
MUST BE BY SAME MANUFACTURER AS EXISTING.

DEVICES.

METAL-CLAD CABLING WHEN CONCEALED AND WIRE IN RACEWAY WHERE EXPOSED.

OF THESE DEVICES WITH OWNER. PROVIDE TESTING AND REPROGRAMMING OF THE EXISTING SYSTEM.

CONSTRUCTION. TAKE DEVICES OFF-LINE IF NECESSARY, COORDINATE BYPASSING AND REACTIVATION

CONDUIT THROUGH DOOR
14/2 & 22/4 CABLE IN 1/2" HARDWARE SETS.

SHALL BE PLENUM RATED.

FOR CONNECTION TO ACCESS CONTROL SYSTEM AND INTRUSION ALARM SYSTEM WITH SEPARATE SIGNALS.

FLOOR PLANS.

PRIOR TO INSTALLATION.

THE FRAME CHANNEL IS ACCEPTABLE.

APPLIANCES.

BOTH ADDRESSABLE DEVICES AND NOTIFICATION

COMMON AREA NOTIFICATION APPLIANCES

HORN/STROBES - NO VOICE EVAC SIGNAL

COMMON AREA SPEAKER AND LOCAL RESPONDER

OR MULTIPLE LOCATIONS AS SHOWN ON PLANS. EC

EXISTING PORTHOLE SPEAKERS TO BE REMOVED AND EXISTING EXISTING Voice/EVFAC devour IN CAFETERIA

TYPICAL DOUBLE DOOR SHOWN WITH ELECTRIFIED PANIC HARDWARE CONTROLLING EACH LEAF. SEE

2. COORDINATE ELECTRICAL HARDWARE REQUIREMENTS WITH HARDWARE SUPPLIER.

8. COORDINATE EXACT LOCATION OF CARD READER WITH FIELD CONDITIONS AND ARCHITECTURAL ELEVATIONS

EXISTING ADDRESSABLE DEVICES IN REGION OF LOCATION)

NEW STROBE-ONLY DEVICES AS SHOWN ON PLANS

EXISTING VOICE/EVAC/SPEAKER DEVICES IN CAFETERIA TO BE DISCONNECTED AND REMOVED UNLESS

SHOUL E SHOWN ON PLANS

S S S S

 Maar Operation of THE EXISTING PUBLIC ADDRESS SYSTEM DURING DEMOLITION. DEVICES ARE TO BE REMOVED BACK TO NEXT

5. MAINTENANCE OF THE EXISTING PUBLIC ADDRESS SYSTEM DURING DEMOLITION. DEVICES ARE TO BE REMOVED BACK TO NEXT

NEW DEVICES AS REQUIRED BY MANUFACTURER. NEW COMPONENTS MUST BE BY SAME MANUFACTURER AS EXISTING.

RECEPTACLE VIA 2#12+1#12G, 3/4"C. TO LOCAL

TO REMAIN

EXISTING MULTI-CONDUCTOR CABLE TO REMAIN

EXISTING PUBLIC ADDRESS SPEAKERS IN REGION OF

(MAXIMUM OF 8 SPEAKERS PER CIRCUIT)

OF CIRCUITS UPSTREAM AND DOWNSTREAM OF THE WORK AFFECTED BY DEMOLITION. PROTECT EXISTING DEVICES DURING

NEW DEVICES AS REQUIRED BY MANUFACTURER. NEW COMPONENTS MUST BE BY SAME MANUFACTURER AS EXISTING.
TYPICAL LINE VOLTAGE SENSOR SWITCH DETAIL

1. "OS" OCCUPANCY SENSOR SWITCH:
2. WIRE IN SERIES WITH THREE-WAY SWITCH, WHERE INDICATED ON PLANS.
3. REFER TO MANUFACTURERS WIRING DIAGRAM FOR EXACT WIRING DETAIL.
4. LIGHTING SHALL TIME OUT AFTER 20 MINUTES.
5. REFER TO LIGHTING CONTROL SPECIFICATION FOR ADDITIONAL INFORMATION.

HOT SWITCHED

NEUTRAL

HOT

LOAD

NEUTRAL

VS

VSD

OSS

TYPICAL 1-ZONE LIGHTING CONTROL DETAIL

WIRING LEGEND:
1. FINISHES AND COLORS OF ALL LIGHTING CONTROL DEVICES AND
2. WHERE PHOTOCELL IS INDICATED ON PLANS, ZONE SHALL
3. SEQUENCE OF OPERATIONS:
4. 3-BUTTON "LVD" KEYPAD(S) TO BE PROGRAMMED AS
5. PROVIDE FACTORY ENGRAVING ON ALL WALL SWITCHES AND
6. SENSORS SHALL BE PROVIDED WITH AUXILIARY RELAY OPTION

• BUTTON 1: "ON": TOGGLE ALL LIGHTS ON
• BUTTON 2: "OFF": TURN ALL LIGHTS OFF
• "▲/▼": ZONE "b" RAISE/LOWER CONTROL
• "FRONT": ZONE "a" ON/OFF CONTROL

AND 2#18 AWG (0-10V +/-)
2#12 + #12 GND. TO NORMAL POWER FEED
CAT.5E WITH THREADED HUBS
CAST METAL SINGLE GANG
CONDUIT FOR WIRING
RIGID STEEL
RIGID STEEL CONDUIT
WEATHERPROOF
PITCH POCKET
CONDUIT
CAST METAL
RIGID STEEL
PLASTIC CONDUIT
WEATHERPROOF
RIGID STEEL
PLASTIC CONDUIT
WEATHERPROOF

1. BASIS OF DESIGN IS ACUITY NLIGHT.
2. REFER TO FLOOR PLANS FOR EXACT LIGHTING FIXTURES ON
3. PROVIDE FACTORY COMMISSIONING OF ALL SENSORS,
4. REFER TO FLOOR PLANS FOR EXACT LIGHTING FIXTURES ON
5. FINISHES AND COLORS OF ALL LIGHTING CONTROL DEVICES
6. SENSORS SHALL BE PROVIDED WITH AUXILIARY RELAY OPTION

KEYPAD 1, "ON": TOGGLE ALL LIGHTS ON
KEYPAD 2, "▲/▼": ZONES "c" & "d" RAISE/LOWER
KEYPAD 3, "▼": PRESS TO LOWER ALL LIGHTS
KEYPAD 4, "FRONT": ZONE "a" ON/OFF CONTROL
KEYPAD 5, "ON": TOGGLE ALL LIGHTS ON
KEYPAD 6, "ON": TOGGLE ALL LIGHTS ON
KEYPAD 7, "OFF": TURN ALL LIGHTS OFF

AND LOCATIONS.

BID SET
01/7/2022

ELECTRICAL DETAILS

E501
CAFETERIA AUDIO-VISUAL SYSTEM DETAIL

ROUTE IN INDIVIDUAL 3/4"C. FACEPLATE
2-GANG BACKBOX W/ DECORA MOUNTED IN 2-GANG BOX
TRANSMITTER MOUNTED IN STEREO AUDIO CONNECTOR
HDBASET FACEPLATE STYLE
DECORA FACEPLATES, EACH QTY.2 - ALUMINUM ENGRAVED SYMBOL: A
AVL M1

- (2) 50' CABLES
- (2) 25' CABLES
- (2) FULL HEIGHT MIC STANDS
WIRING VOCAL MICROPHONES QTY.2 - SHURE SM58-LC MICROPHONE / TRANSMITTERS
WIRELESS HANDHELD CARDIOID QTY.2 - SHURE BLX1 & WL185 WIRELESS LAVALIER MICROPHONES

DE-EMBEDDING RECEIVER WITH DIGITAL AUDIO EXTRON DTP2-R-211
EXTRON DTP2-T-204 4-INPUT TRANSMITTER
HDBASET SURFACE MOUNTED HDMI (DVD, BLUE RAY, CD, USB)
DENON DN-500BD MKII MEDIA PLAYER RACK MOUNTABLE
WIRELESS MICROPHONE RECEIVERS
WIRELESS MIC ANTENNAS
ANT ANTENNA DISTRIBUTION 470- 960 MHZ

POE SWITCH 5VDC
MANAGED 8-PORT

AVC 8 OUTPUTS, AMPLINK AND EX-1280 PROCESSOR DANTE CAPABILITY
BOSE CONTROLSPACE CAT.6 CAT.6 AMPLINK OPERATION
35DB GAIN IN 70V MODE
2x 1000W CHANNELS
BOSE P21000A AMPLIFIER
EQUIPMENT IN THIS REGION SHALL BE LOCATED IN AV RACK EQUAL TO MIDDLE MIDDLE ATLANTIC LT-1R RACK LIGHT, MOUNTED AT TOP OF RACK
EQUIPMENT RACK MOUNTING EQUIPMENT, ETC. FOR A COMPLETE ADDITIONAL REQUIRED EQUIPMENT.
LISTENING DEVICES:
INCLUDE THE FOLLOWING ASSISTIVE
- (10) LA-401 EAR BUDS
- (10) LR-4200-072 RECEIVERS
PRESET AND VOLUME CONTROL OF THE DSP SCREEN UP/DOWN CONTROL PROJECTOR INPUT SWITCHING PROJECTOR ON/OFF CONTROL FUNCTIONS:
SYSTEM SHALL HAVE (AT A MINIMUM) THE FOLLOWING PRESETS WITH OWNER DURING INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR PROGRAMMING, OPTIMIZATION AND ALL NECESSARY SYSTEM CONFIGURATIONS.

7. CONTRACTOR IS RESPONSIBLE FOR PROGRAMMING, OPTIMIZATION AND ALL ADDITIONAL REQUIRED EQUIPMENT.
6. ALL PRESETS SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE DURING PROGRAMMING PHASE OF INSTALLATION.
5. REFER TO SPECIFICATIONS FOR ACCEPTABLE ALTERNATE MANUFACTURERS AND NECESSARY SYSTEM CONFIGURATIONS.
4. WHEN A FIRE ALARM OR PAGING SIGNAL IS RECEIVED, ALL SOUND FROM SYSTEM MUTE SOUND SYSTEM DURING A FIRE ALARM OR PAGING NOTIFICATION.
3. PROVIDE ALL NECESSARY ADAPTERS, CONVERTERS, CONNECTORS, MOUNTING MOUNT AND (7) INTERNAL POWER ECB2SP; 2X2 IN SIZE, WITH PROJECTOR ENCLOSURE EQUAL TO LEGRAND (N.I.C.) PROJECTOR CEILING

SYMBOL: A
CH.1+2 TC SPK SPK SPK
FURNISH WITH ASSISTIVE LISTENING
ROUTE IN ACTUAL NORTH

DRUMMEY ROSANE ANDERSON, INC. COPYRIGHT 2021

DATE: 1/7/2022

SCALE: AS NOTED

STATE PROJECT NO: CES

BID SET: 01/7/2022

GRANBY MEMORIAL HIGH SCHOOL
GRANBY, CT
SCHOOL RENOVATIONS

ELECTRICAL DETAILS

E502