



SAMPSON COUNTY 911 & ES FACILITIES

CLINTON,
NORTH CAROLINA

CONSTRUCTION
DOCUMENTS

MECHANICAL SHEET INDEX, LEGEND & CODE COMPLIANCE

| | | |
|------------|------------|--------------|
| DATE | 12.04.2020 | |
| PROJECT NO | 20003 | |
| REVISIONS | | |
| NUM. | DATE | DESCRIPTION: |

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SEAL

M001

SHEET NUMBER

DRAWING LIST

| SHEET NUMBER | SHEET TITLE |
|--------------|--|
| M001 | MECHANICAL SHEET INDEX, LEGEND & CODE COMPLIANCE |
| M002 | MECHANICAL GENERAL NOTES & SCHEDULES |
| M003 | MECHANICAL EQUIPMENT SCHEDULES |
| M004 | SEQUENCE OF OPERATION & POINTS LIST |
| M101 | PARTIAL FLOOR PLAN – MECHANICAL |
| M102 | PARTIAL FLOOR PLAN – MECHANICAL |
| M103 | PARTIAL ROOF PLAN – MECHANICAL |
| M104 | PARTIAL ROOF PLAN – MECHANICAL |
| M501 | MECHANICAL DETAILS |
| M502 | MECHANICAL DETAILS |

MECHANICAL LEGEND

| SYMBOL | DESCRIPTION | ABBR. |
|--------|---|-------------------------|
| | NATURAL GAS PIPING | G |
| | CONDENSATE DRAIN | D |
| | PUMPED CONDENSATE | PD |
| | GAS COCK | |
| | PRESSURE REDUCING/REGULATING VALVE | |
| | LEAK DETECTION CABLE | |
| | LEAK DETECTION SENSOR | |
| | THERMOSTAT / TEMP SENSOR (4'-0" AFF TO TOP) | |
| | SWITCH (4'-0" AFF TO TOP) | |
| | BUILDING RELATIVE PRESSURE SENSOR | |
| | SUPPLY AIR DIFFUSER (4-WAY) | |
| | RETURN AIR GRILLE | |
| | RETURN AIR GRILLE WITH SOUND ATTENUATION (SEE DETAIL) | |
| | EXHAUST AIR GRILLE | |
| | RAISED FLOOR SUPPLY DIFFUSER | |
| | DOUBLE LINE DUCTWORK | |
| | SINGLE LINE DUCTWORK | |
| | FIRE DAMPER W/ ACCESS DOOR (SEE DETAIL) | |
| | DUCTWORK WITH 1" THICK DUCT LINER AND MASS LOADED DUCT WRAP WITH VINYL BARRIER INSTALLED OVER 2" THICK FIBERGLASS THERMAL INSULATION IN ADDITION TO 1" THICK DUCT LINER | |
| | 20"x14" RECTANGULAR DUCT | |
| | 20"x14" RECTANGULAR DUCT WITH 1" THICK ACOUSTICAL DUCT LINER | |
| | 8" DIAMETER ROUND DUCT | |
| | DUCT SMOKE DETECTOR W/ ACCESS DOOR | |
| | STATIC PRESSURE SENSOR | |
| | BUILDING PRESSURE SENSOR | |
| | MOTORIZED DAMPER | |
| | MOTORIZED DAMPER (NORMALLY CLOSED) | |
| | BAROMETRIC DAMPER | |
| | CARBON MONOXIDE SENSOR | |
| | CARBON DIOXIDE SENSOR | |
| | CEILING MOUNTED HYDROGEN DETECTOR COMPLETE ASSEMBLY CONNECTING CABLE AND REMOTE INDICATING LIGHT. INTERLOCK WITH HYDROGEN EXHAUST FAN. PROVIDE ADDITIONAL RELAY FOR TIE-IN WITH FIRE ALARM PANEL. DEVICES AND INSTALLATION SHALL BE BY THE MECHANICAL CONTRACTOR AND THE TIE-IN TO THE FACP SHALL BE BY THE FIRE ALARM CONTRACTOR. COMPONENTS AND SYSTEM SHALL BE UL LISTED. DEVICE SHALL BE EQUAL TO BACHARACH MGS-550 | |
| | M.C. | MECHANICAL CONTRACTOR |
| | E.C. | ELECTRICAL CONTRACTOR |
| | P.C. | PLUMBING CONTRACTOR |
| | N.I.C. | NOT IN CONTRACT |
| | EX | EXISTING |
| | AFF | ABOVE FINISHED FLOOR |
| | DN | DOWN |
| | UP | UP |
| | ⌋ | UNDERCUT DOOR (BY G.C.) |

COORDINATION DRAWINGS

THE MECHANICAL CONTRACTOR SHALL ORGANIZE COORDINATION MEETINGS TO DEVELOP A SET OF DRAWINGS WITH ALL CONTRACTORS (ELECTRICAL, MECHANICAL, PLUMBING, FIRE PROTECTION, IT/DATA, AND GENERAL CONTRACTOR). THE MECHANICAL CONTRACTOR WILL HAVE THE LEAD RESPONSIBILITY FOR THE COORDINATION DRAWINGS. THE MECHANICAL CONTRACTOR SHALL PRODUCE THE ORIGINAL DRAWINGS AND FORWARD THE DRAWINGS TO EACH OF THE OTHER CONTRACTORS FOR THEM TO ADD THEIR SYSTEMS TO THIS SET OF COORDINATION DRAWINGS. THE CONTRACTORS WILL DEVELOP THE DRAWINGS IN THIS ORDER: MECHANICAL, FIRE PROTECTION, PLUMBING, ELECTRICAL, IT/DATA, AND GENERAL. THIS SHALL ALSO BE THE ORDER OF PRECEDENCE FOR INSTALLATION OF SYSTEMS. ANY RELOCATION OF SYSTEM ROUTINGS WILL BE FOUND IN THE COORDINATION PHASE AND NOTICED BY EACH OF THE CONTRACTORS. THESE DRAWINGS, WHEN COMPLETED, SHALL BE SIGNED OFF BY ALL OF THE ABOVE LISTED PARTIES. DRAWINGS SHALL BE COMPLETED PRIOR TO FABRICATION AND INSTALLATION OF DUCTWORK AND PIPING SYSTEMS, OR PURCHASE OF EQUIPMENT. THE FOLLOWING ITEMS REPRESENT THE MINIMUM REQUIREMENTS AND COORDINATION DRAWINGS:

- ALL COORDINATION DRAWINGS WILL BE PRODUCED AT 1/4"= 1'-0" SCALE
- COORDINATION DRAWINGS WILL BE DISTRIBUTED ON REPRODUCIBLE MATERIAL 30"x42"
- COORDINATION DRAWINGS ARE NOT SHOP DRAWINGS AND ARE REQUIRED IN ADDITION TO SHOP DRAWINGS.
- ONCE THE COMPLETE COORDINATION DRAWINGS HAVE BEEN COMPILED, THE MECHANICAL CONTRACTOR WILL DISTRIBUTE ONE SIGNED SET TO EACH OF THE FOLLOWING CONTRACTORS: ELECTRICAL, PLUMBING, FIRE PROTECTION, AND GENERAL. ADDITIONAL SETS WILL BE SENT TO THE OWNER, ARCHITECT, AND ENGINEER FOR INFORMATION ONLY.

2018 NORTH CAROLINA ENERGY CONSERVATION CODE COMMERCIAL ENERGY EFFICIENCY – MECHANICAL SUMMARY

C401 METHOD OF COMPLIANCE

- ☒ 2018 NCECC CHAPTER 4 ☐ COMCHECK PROVIDED (2018 NCECC)
- ☐ ASHRAE 90.1-2013 PRESCRIPTIVE ☐ COMCHECK PROVIDED (90.1-2013)
- ☐ ASHRAE 90.1-2013 PERFORMANCE ☐ ENERGY MODELING DATA PROVIDED
- ☐ N/A (EXISTING LIGHTING, HVAC, AND DOM. WATER HEATING SYSTEMS TO REMAIN)

C406 ADDITIONAL EFFICIENCY PACKAGE OPTIONS

- ☐ C406.2 EFFICIENT MECH EQUIPMENT ☐ C406.5 ON-SITE RENEWABLE ENERGY
- ☒ C406.3 REDUCED LTG DENSITY ☐ C406.6 DEDICATED OA SYSTEM
- ☐ C406.4 ENHANCED LTG CONTROLS ☐ C406.7 SERVICE WATER HEATING

C301 CLIMATE ZONE

3A – SAMPSON COUNTY, NORTH CAROLINA

DESIGN CONDITIONS

EXTERIOR (ASHRAE 90.1-2013 TABLE D-1)

winter dry bulb 18° F.
summer dry bulb 91° F.
summer wet bulb 74° F.

INTERIOR (2018 NCECC SECTION C302.1)

winter dry bulb 72° F.
summer dry bulb 75° F.

C403.2 HEATING & COOLING LOADS AND EQUIPMENT & SYSTEM SIZING

| | |
|----------------------------|----------------|
| BUILDING HEATING LOAD | 855 MBH (peak) |
| BUILDING COOLING LOAD | 1,153 |
| INSTALLED HEATING CAPACITY | 1,005 MBH |
| INSTALLED COOLING CAPACITY | 1,268 MBH |

C403.2.3 & C406.2 – REQUIRED & INCREASED HVAC EQUIPMENT PERFORMANCE

SYSTEM DESCRIPTION – DX VAV ROOFTOP UNITS WITH FAN POWERED TERMINAL BOXES AND ELECTRIC REHEAT COILS

- ☒ MINIMUM HVAC EQUIP EFFICIENCY COMPLIANCE – TABLE C403.2.3
- ☐ INCREASED HVAC EQUIP EFFICIENCY COMPLIANCE – 10% OVER TABLE C403.2.3

| EQUIP. TYPE | SIZE CATEGORY (BTU/H) | SUBCATEGORY | C403.2.3 MINIMUM EFFICIENCY (EER) | 10% INCREASED EFF. (EER) | DESIGN EFFIC. |
|---|------------------------|-------------------------------|-----------------------------------|--------------------------|---------------|
| TABLE C403.2.3(1) – UNITARY AIR CONDITIONERS AND CONDENSING UNITS | | | | | |
| AIR COND. AIR COOLED | < 65,000 (<= 5 TONS) | SPLIT SYSTEM & SINGLE PACKAGE | 13.0 SEER | 14.3 SEER | SEE SCHEDULE |
| AIR COND. AIR COOLED | >= 65,000 & < 135,000 | SPLIT SYSTEM & SINGLE PACKAGE | 11.2 EER | 12.3 EER | SEE SCHEDULE |
| AIR COND. AIR COOLED | >= 135,000 & < 240,000 | SPLIT SYSTEM & SINGLE PACKAGE | 11.0 EER | 12.1 EER | SEE SCHEDULE |
| AIR COND. AIR COOLED | >= 240,000 & < 760,000 | SPLIT SYSTEM & SINGLE PACKAGE | 10.0 EER | 11.0 EER | SEE SCHEDULE |
| AIR COND. AIR COOLED | > 760,000 | SPLIT SYSTEM & SINGLE PACKAGE | 9.7 EER | 10.7 EER | SEE SCHEDULE |

a. DEDUCT 0.2 FROM THE REQUIRED EERS AND IEERS FOR UNITS WITH A HEATING SECTION OTHER THAN ELECTRIC RESISTANCE HEAT OR NO HEAT.

| | | | | | |
|--|------------------------|-------------------------------|-----------|------------|--------------|
| TABLE C403.2.3(2) – ELECTRICALLY OPERATED UNITARY AND APPLIED HEAT PUMPS | | | | | |
| AIR COOLED COOL MODE | < 65,000 (<= 5 TONS) | SPLIT SYSTEM & SINGLE PACKAGE | 14.0 SEER | 15.4 SEER | SEE SCHEDULE |
| AIR COOLED COOL MODE | >= 65,000 & < 135,000 | SPLIT SYSTEM & SINGLE PACKAGE | 11.0 EER | 12.1 EER | SEE SCHEDULE |
| AIR COOLED COOL MODE | >= 135,000 & < 240,000 | SPLIT SYSTEM & SINGLE PACKAGE | 10.6 EER | 11.9 IPLV | SEE SCHEDULE |
| AIR COOLED COOL MODE | >= 240,000 | SPLIT SYSTEM & SINGLE PACKAGE | 9.5 EER | 10.4 EER | SEE SCHEDULE |
| THRU WALL COOL MODE | < 30,000 | SPLIT SYSTEM & SINGLE PACKAGE | 12.0 SEER | 13.2 SEER | SEE SCHEDULE |
| TABLE C403.2.3(6) – CONDENSING UNITS | | | | | |
| COND. UNITS AIR COOLED | >= 135,000 | – | 10.1 EER | 11.1 EER | SEE SCHEDULE |
| COND. UNITS WATER/EVAP | >= 135,000 | – | 13.1 EER | 14.4 EER | SEE SCHEDULE |
| TABLE C403.2.3(8) – COMPUTER ROOM AIR CONDITIONERS | | | | | |
| AIR COOLED | >= 65,000 & < 240,000 | UPFLOW | 1.99 SCOP | 10% BETTER | SEE SCHEDULE |

C403.2.4 THRU C403.2.11

- ☒ HVAC SYSTEMS ARE FULLY COMPLIANT WITH THE REQUIREMENTS FOR HVAC SYSTEM CONTROL, VENTILATION, ENERGY RECOVERY, DUCT AND PLENUM INSULATION AND SEALING, PIPING INSULATION, AND SYSTEM COMPLETION.

C403.2.12 – AIR SYSTEM DESIGN AND CONTROL

- ☒ ALL FANS INSTALLED ON THE PROJECT ARE 5 HP OR LESS AND ARE EXEMPT FROM THESE REQUIREMENTS.

- ☐ FANS ABOVE 5 HP MEET THE CFM LIMITATIONS SHOWN BELOW:
- OPTION 1 – FAN SYSTEM MOTOR NAMEPLATE HP – TABLE C403.2.12.1(1)

| ALLOWABLE NAMEPLATE MOTOR HP | CONSTANT VOLUME MINIMUM CFM | VARIABLE VOLUME MINIMUM CFM | DESIGN CFM |
|------------------------------|-----------------------------|-----------------------------|--------------|
| 7.5 | 6,818 CFM | 5,000 CFM | SEE SCHEDULE |
| 10 | 9,091 CFM | 6,667 CFM | SEE SCHEDULE |
| 15 | 13,636 CFM | 10,000 CFM | SEE SCHEDULE |
| 20 | 18,182 CFM | 13,333 CFM | SEE SCHEDULE |
| 25 | 22,727 CFM | 16,667 CFM | SEE SCHEDULE |
| 30 | 27,272 CFM | 20,000 CFM | SEE SCHEDULE |
| 40 | 36,364 CFM | 26,667 CFM | SEE SCHEDULE |
| 50 | 45,455 CFM | 33,333 CFM | SEE SCHEDULE |

C403.3 – ECONOMIZERS (PRESCRIPTIVE)

- ☒ PROJECT INCLUDES AN AIR OR WATER ECONOMIZER COMPLIANT WITH C403.3
- ☐ PROJECT MEETS AN ECONOMIZER EXCEPTION LISTED IN C403.3

C403.4 – HYDRONIC AND MULTIPLE-ZONE HVAC SYSTEMS CONTROL AND EQUIPMENT (PRESCRIPTIVE)

- ☐ PROJECT CONSISTS OF ONLY SINGLE ZONE DX SYSTEMS, EXEMPT FROM THE PRESCRIPTIVE REQUIREMENTS OF C403.4.
- ☒ PROJECT CONSISTS OF HVAC SYSTEMS FULLY COMPLIANT WITH THE PRESCRIPTIVE REQUIREMENTS OF C403.4.

C405.8 – ELECTRICAL MOTORS (MANDATORY REQUIREMENTS).

- ☒ ELECTRICAL MOTORS HAVE BEEN SPECIFIED TO MEET MINIMUM EFFICIENCY REQUIREMENTS PER C405.8, EXCEPT WHERE EXEMPT.
- ☐ NOT APPLICABLE.

C408 – SYSTEM COMMISSIONING

- ☐ BUILDING IS LESS THAN 10,000 SQUARE FEET AND IS EXEMPT FROM THE SYSTEM COMMISSIONING REQUIREMENTS OF SECTION C408.
- ☒ BUILDING IS GREATER THAN 10,000 SQUARE FEET AND REQUIRES SYSTEM COMMISSIONING PER SECTION C408.

(RTU-1) VENTILATION CALCULATIONS (NCMC 2018, SECT 403):

| OCCUPANCY CLASSIFICATION | PEOPLE O/A RATE IN BREATHING ZONE (CFM/PERSON) | AREA O/A RATE IN BREATHING ZONE (CFM/SQ. FT.) | DEFAULT OCCUPANCY DENSITY (PEOPLE/1000 SQ. FT.) | EXHAUST AIRFLOW RATE (CFM/SQ. FT.) | AREA (SQ. FT.) | CALCULATED OCCUPANCY (PEOPLE) | CALCULATED PEOPLE O/A (CFM) | CALCULATED AREA O/A (CFM) | CALCULATED AREA E/A (CFM) |
|--|--|---|---|------------------------------------|----------------|-------------------------------|-----------------------------|---------------------------|---------------------------|
| OFFICE SPACES | 5 | 0.060000 | 5 | 0.000000 | 586 | 3 | 15 | 36 | 0 |
| CORRIDORS | 0 | 0.060000 | 0 | 0.000000 | 775 | 0 | 0 | 47 | 0 |
| STORAGE ROOMS | 0 | 0.120000 | 0 | 0.000000 | 494 | 0 | 0 | 60 | 0 |
| MULTIPURPOSE/TRAINING DAY ROOM | 7.5 | 0.060000 | *(ACTUAL OCCUPANT) | 0.000000 | 2972 | *158 | 1,185 | 179 | 0 |
| TOILET ROOMS – PUBLIC | 5 | 0.060000 | 30 | 0.000000 | 529 | 16 | 80 | 32 | 0 |
| SHOWER ROOMS | 0 | 0.000000 | 0 | 70.000000 | 10 | (FIXTURES) | 0 | 0 | 700 |
| LOCKER ROOMS | 0 | 0.000000 | 0 | 50.000000 | 6 | (FIXTURES) | 0 | 0 | 300 |
| BREAKROOMS | 5 | 0.060000 | 25 | 0.250000 | 740 | 0 | 0 | 0 | 185 |
| KITCHEN | 0 | 0.000000 | 0 | 0.700000 | 286 | 0 | 0 | 0 | 200 |
| DORMITORY SLEEPING AREAS | 5 | 0.060000 | *(ACTUAL OCCUPANT) | 0.000000 | 782 | *15 | 75 | 47 | 0 |
| BLDG TOTAL OUTSIDE AIR REQ'D (Ez=0.8, CFM) | | | | | | | | | 2,315 |
| BUILDING TOTAL OUTSIDE AIR PROVIDED (CFM) | | | | | | | | | 2,400 |
| BUILDING TOTAL EXHAUST AIR REQUIRED (CFM) | | | | | | | | | 1,385 |
| BUILDING TOTAL EXHAUST AIR PROVIDED (CFM) | | | | | | | | | 1,650 |

(RTU-2) VENTILATION CALCULATIONS (NCMC 2018, SECT 403):

| OCCUPANCY CLASSIFICATION | PEOPLE O/A RATE IN BREATHING ZONE (CFM/PERSON) | AREA O/A RATE IN BREATHING ZONE (CFM/SQ. FT.) | DEFAULT OCCUPANCY DENSITY (PEOPLE/1000 SQ. FT.) | EXHAUST AIRFLOW RATE (CFM/SQ. FT.) | AREA (SQ. FT.) | CALCULATED OCCUPANCY (PEOPLE) | CALCULATED PEOPLE O/A (CFM) | CALCULATED AREA O/A (CFM) | CALCULATED AREA E/A (CFM) |
|--|--|---|---|------------------------------------|----------------|-------------------------------|-----------------------------|---------------------------|---------------------------|
| OFFICE SPACES | 5 | 0.060000 | 5 | 0.000000 | 3,625 | 19 | 95 | 218 | 0 |
| CORRIDORS | 0 | 0.060000 | 0 | 0.000000 | 1,652 | 0 | 0 | 100 | 0 |
| STORAGE ROOMS | 0 | 0.120000 | 0 | 0.000000 | 609 | 0 | 0 | 73 | 0 |
| CONFERENCE/MEETING | 5 | 0.060000 | 50 | 0.000000 | 676 | 34 | 170 | 41 | 0 |
| ELECTRICAL/MECH EQUIPMENT ROOMS | 0 | 0.060000 | 0 | 0.000000 | 308 | 0 | 0 | 19 | 0 |
| TOILET ROOMS – PUBLIC | 0 | 0.000000 | 0 | 70.000000 | 1 | (FIXTURES) | 0 | 0 | 70 |
| BLDG TOTAL OUTSIDE AIR REQ'D (Ez=0.8, CFM) | | | | | | | | | 895 |
| BUILDING TOTAL OUTSIDE AIR PROVIDED (CFM) | | | | | | | | | 1,200 |
| BUILDING TOTAL EXHAUST AIR REQUIRED (CFM) | | | | | | | | | 70 |
| BUILDING TOTAL EXHAUST AIR PROVIDED (CFM) | | | | | | | | | 100 |

(RTU-3 / RTU-4) VENTILATION CALCULATIONS (NCMC 2018, SECT 403):

| OCCUPANCY CLASSIFICATION | PEOPLE O/A RATE IN BREATHING ZONE (CFM/PERSON) | AREA O/A RATE IN BREATHING ZONE (CFM/SQ. FT.) | DEFAULT OCCUPANCY DENSITY (PEOPLE/1000 SQ. FT.) | EXHAUST AIRFLOW RATE (CFM/SQ. FT.) | AREA (SQ. FT.) | CALCULATED OCCUPANCY (PEOPLE) | CALCULATED PEOPLE O/A (CFM) | CALCULATED AREA O/A (CFM) | CALCULATED AREA E/A (CFM) |
|--|--|---|---|------------------------------------|----------------|-------------------------------|-----------------------------|---------------------------|---------------------------|
| OFFICE SPACES | 5 | 0.060000 | 5 | 0.000000 | 2,969 | 15 | 75 | 179 | 0 |
| CORRIDORS | 0 | 0.060000 | 0 | 0.000000 | 807 | 0 | 0 | 49 | 0 |
| TOILET ROOMS – PUBLIC | 0 | 0.000000 | 0 | 70.000000 | 4 | (FIXTURES) | 0 | 0 | 280 |
| STORAGE ROOMS | 0 | 0.120000 | 0 | 0.000000 | 139 | 0 | 0 | 17 | 0 |
| BREAKROOMS | 5 | 0.060000 | 25 | 0.000000 | 225 | 6 | 30 | 35 | 0 |
| CONFERENCE/MEETING | 5 | 0.060000 | 5 | 0.000000 | 375 | 33 | 165 | 23 | 0 |
| ELECTRICAL EQUIPMENT ROOMS | 0 | 0.060000 | 0 | 0.000000 | 150 | 0 | 0 | 9 | 0 |
| DORMITORY SLEEPING AREAS | 5 | 0.060000 | *(ACTUAL OCCUPANT) | 0.000000 | 782 | *4 | 20 | 47 | 0 |
| LOCKER ROOMS | 0 | 0.000000 | 0 | 0.250000 | 149 | 0 | 0 | 0 | 38 |
| BLDG TOTAL OUTSIDE AIR REQ'D (Ez=0.8, CFM) | | | | | | | | | 812 |
| BUILDING TOTAL OUTSIDE AIR PROVIDED (CFM) | | | | | | | | | 1,200 |
| BUILDING TOTAL EXHAUST AIR REQUIRED (CFM) | | | | | | | | | 318 |
| BUILDING TOTAL EXHAUST AIR PROVIDED (CFM) | | | | | | | | | 550 |

(RTU-5) VENTILATION CALCULATIONS (NCMC 2018, SECT 403):

| OCCUPANCY CLASSIFICATION | PEOPLE O/A RATE IN BREATHING ZONE (CFM/PERSON) | AREA O/A RATE IN BREATHING ZONE (CFM/SQ. FT.) | DEFAULT OCCUPANCY DENSITY (PEOPLE/1000 SQ. FT.) | EXHAUST AIRFLOW RATE (CFM/SQ. FT.) | AREA (SQ. FT.) | CALCULATED OCCUPANCY (PEOPLE) | CALCULATED PEOPLE O/A (CFM) | CALCULATED AREA O/A (CFM) | CALCULATED AREA E/A (CFM) |
|--------------------------|--|---|---|------------------------------------|----------------|-------------------------------|-----------------------------|---------------------------|---------------------------|
| CORRIDORS | 0 | 0.060000 | 0 | 0.000000 | 383 | 0 | 0 | 23 | 0 |
| STORAGE ROOMS | 0 | 0.120000 | 0 | 0.000000 | 1,446 | 0 | 0 | 174 | 0 |
| TOILET ROOMS – PUBLIC | 0 | 0.000000 | 0 | 70.000000 | 1 | (FIXTURES) | 0 | 0 | 70 |
| | | | BLDG TOTAL OUTSIDE AIR REQ'D (Ez=0.8, CFM) | | | 246 | | | |
| | | | TOTAL BUILDING TOTAL OUTSIDE AIR PROVIDED (CFM) | | | 500 | | | |
| | | | BUILDING TOTAL EXHAUST AIR REQUIRED (CFM) | | | 70 | | | |
| | | | BUILDING TOTAL EXHAUST AIR PROVIDED (CFM) | | | 650 | | | |