

ALL DESIGNS, DRAWINGS AND SPECIFICATIONS DEPICTED ON THIS SHEET ARE THE PROPERTY OF D3 STUDIO, PLLC. ANY UNAUTHORIZED USE OR REPRODUCTION IS SUBJECT TO LEGAL PROSECUTION. POSSESSION IN ANY FORM CONSTITUTES ACCEPTANCE OF THESE CONDITIONS. COPYRIGHT 2021

Order Plans @ www.LDilme.com

| AIR BALANCE SUMMARY | | | | |
|---------------------|--------------|--------------|----------|---------------|
| UNIT TAG | SUPPLY (CFM) | RETURN (CFM) | OA (CFM) | EXHAUST (CFM) |
| (E)JEF-1 | - | - | - | 150 |
| (E)KEF-1 | - | - | - | 2812 |
| KEF-2 | - | - | - | 1788 |
| (E)MAU-1 | 2250 | - | 2250 | - |
| MAU-2 | 1430 | - | 1430 | - |
| (E)RTU-1 | 3000 | 2250 | 750 | - |
| (E)RTU-2 | 3000 | 2650 | 350 | - |
| TOTALS | 9680 | 4900 | 4780 | 4750 |

Pressurization = 100%((OA-EA)/EA)
PRESSURIZATION=0.01%

| OUTSIDE AIR CALCULATIONS BASED ON TABLE 403.3.1.1 | | | | | | | | | | | |
|---|-----------------|---|----------------|--------------------------------|--|-----------------|----------------------------------|--------------------------------|---|----------------------------------|----------------------------------|
| UNIT TAG | SPACE USAGE | CLASSIFICATION OF AREA SERVED PER TABLE 403.3 | AREA (SQ. FT.) | VENTILATION EFFECTIVENESS (Ez) | NO. OF PEOPLE PER 1000 SQ. FT. (TABLE 403.3) | PEOPLE QUANTITY | AIRFLOW PER PERSON (TABLE 403.3) | AIRFLOW PER SQFT (TABLE 403.3) | OUTSIDE AIR REQUIRED BY AREA SERVED (CFM) | TOTAL OUTSIDE AIR REQUIRED (CFM) | TOTAL OUTSIDE AIR PROVIDED (CFM) |
| (E)RTU-1/2 | DINING | DINING ROOMS | 860 | 0.8 | 70 | 61 | 7.5 | 0.18 | 765.4 | 837.0 | 1100 |
| | SERVICE COUNTER | SALES | 204 | 0.8 | 15 | 4 | 7.5 | 0.12 | 88.1 | | |
| | HALLWAY | CORRIDORS | 37 | 0.8 | 0 | 0 | 0 | 0.06 | 2.8 | | |
| TOTAL | | | | | | | | | 836.3 | 837.0 | 1100 |

| EXHAUST AIR CALCULATIONS BASED ON TABLE 403.3.1.1 | | | | | | | | | | | |
|---|-------------|---|----------------|--------------------------------|--|-----------------|----------------------------------|--------------------------------|---|----------------------------------|----------------------------------|
| UNIT TAG | SPACE USAGE | CLASSIFICATION OF AREA SERVED PER TABLE 403.3 | AREA (SQ. FT.) | VENTILATION EFFECTIVENESS (Ez) | NO. OF PEOPLE PER 1000 SQ. FT. (TABLE 403.3) | PEOPLE QUANTITY | AIRFLOW PER PERSON (TABLE 403.3) | AIRFLOW PER SQFT (TABLE 403.3) | OUTSIDE AIR REQUIRED BY AREA SERVED (CFM) | TOTAL OUTSIDE AIR REQUIRED (CFM) | TOTAL OUTSIDE AIR PROVIDED (CFM) |
| (E)KEF-1 / KEF-2 | KITCHEN | KITCHEN | 743 | 1 | 0 | 0 | 0 | 0.7 | 521.0 | 521.0 | 4600 |
| TOTAL | | | | | | | | | 521.0 | 521.0 | 4600 |

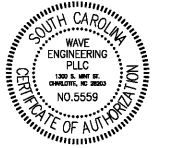
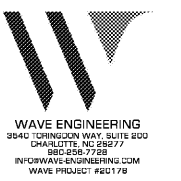
| AIR DISTRIBUTION SCHEDULE | | | | | | | | | | |
|---------------------------|--------------------------|-----------|-----------|------------|---------|--------|----------|---------|------------|-------|
| TAG | MANUFACTURER & MODEL NO. | NECK SIZE | FACE SIZE | FRAME TYPE | PATTERN | DAMPER | MATERIAL | SERVICE | FINISH | NOTES |
| S-1 | PRICE / SPD | PER PLAN | 24x24 | LAY-IN | - | YES | STEEL | SUPPLY | OFF WHITE | 1,2 |
| S-2 | PRICE / SDGE | 18x6 | 18x6 | DUCT | 4-WAY | YES | STEEL | SUPPLY | PAINT GRIP | 1,2 |
| R-1 | PRICE / 80 | PER PLAN | 24x24 | LAY-IN | - | NO | STEEL | RETURN | OFF WHITE | 2 |
| E-1 | PRICE / 80 | PER PLAN | 12x12 | LAY-IN | - | NO | STEEL | EXHAUST | OFF WHITE | 2 |

NOTES:
1. PROVIDE OPPOSED BLADE DAMPERS IN NECK OF DIFFUSER OR REGISTER, WITH ACCESS TO DAMPER THROUGH FACE OF DIFFUSER OR REGISTER.
2. ACCEPTABLE EQUALS SHALL BE ANELSTAT, CAROLAS, KRUEGER, NAJOUR, TITUS AND TUTTLE & BAILEY.

| AIR CURTAIN SCHEDULE | | | | | | | |
|----------------------|--------------------------|-----------------|--------|----------|---------------------|-------------|-------|
| TAG | MANUFACTURER & MODEL NO. | LOCATION | LENGTH | MOTOR HP | HEAT CAPACITY (MBH) | WEIGHT (LB) | NOTES |
| AC-1 | MARSAR / LPV238-1UA-OB | ABOVE BACK DOOR | 36" | 1@ 1/6HP | MA | 50 | 1-4 |

NOTES:
1. INTEGRAL DISCONNECT SWITCH
2. INTEGRAL SPEED CONTROLLER
3. COORDINATE COLOR WITH ARCHITECT.
4. CONTROL WITH DOOR SWITCH

d3 studio
PLANNING * ARCHITECTURE * INTERIORS
1318 CENTRAL AVENUE :: SUITE A-10
CHARLOTTE, N.C. 28205
WEBSITE :: www.d3studio.com



FOR CONSTRUCTION

Viva Chicken.
PERUVIAN ROTISSERIE JOINT
1139 WOODRUFF RD.
-SUITE B
GREENVILLE, SC
29607

| REVISION | | |
|----------|------|---------|
| no. | date | comment |
| | | |
| | | |
| | | |

DRAWN BY: *BRD*
CHECKED BY: BRD
SUBMITTAL DATE: 02.08.2021
PROJECT NUMBER: 02-2031

MECHANICAL SCHEDULES

M0.02