

HVAC GENERAL NOTES

- DESIGN AND INSTALLATION OF ALL HEATING, VENTLATION AND AIR CONDITIONING SYSTEMS SHALL BE IN ACCORDANCE WITH THE "2009 INTERNATIOANL ENERGY CONVERSATION CODE.
- THE INSTALLATION OF THE MECHANICAL APPLIANCES AND EQUIPMENT SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONTRACTOR SHALL KEEP ALL INSTALLATION INSTRUCTIONS AT THE JOBSITE AT THE TIME OF INSPECTION.
- ALL REFRIGERANT CONTAINING EQUIPMENT AND APPLIANCES SHALL MEET UL-1995 STANDARDS.
- ALL OUTSIDE AIR INTAKE OPENINGS SHALL BE A MINIMUM OF 10 FEET FROM ANY PLUMBIING VENT PARKING LOT, FUEL FIRED APPLIANCE VENT OR EXHAUST FAN DISCHARGE. VENT OR EXHAUST FAN DISCHARGE.
- ALL HVAC DUCTS SHALL MEET THE SECTION 603 OF INTERNATIONAL MECHANICAL CODE REQUIREMENTS. ALL METALIC DUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE. FLEXIBLE AIR DUCTS SHALL BE TESTED IN SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.
- FLEXIBLE AIR DUCT CONNECTORS SHALL BE TESTED IN ACCORDANCE WITH UL 181, AND LISTED AND LABELED AS CLASS 0 OR CLASS I AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- ALL SUPPLY AIR DUCTS SHALL BE INSULATED WITH A MINUMUM R-5 INSULATION. THE INSULATION DUCT LININGS INCLUDING ADHESIVES SHALL HAVE A FLAME SPREAD INDEX NOT MORE THAN 25AND A SMOKE-DEVELOPED INDEX NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E-84, USING THE SPECIMEN PREPARATION AND MOUNTING PROCEDURES OF ASTM 2231 DUCT COVERINGS AND LININGS SHALL NOT FLAME, GLOW, SMOLDER OR SMOKE WHEN TESTED IN ACCORDANCE WITH ASTM C411 AT THE TEMPERATURE TO WHICH THEY ARE EXPOSED.
- ALL DUCTS JOINTS, SEAMS, AND CONNECTIONS SHALL BE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS, MASTIC-PLUS-EMBEDED-FABRIC SYSTEMS OR TAPES. THE TAPES AND MASTICS SHALL BE LISTED AND LABELED IN ACCODANCE WITH UL 181A.
- ALL AIR HANDLING UNITS SHALL BE FURNISHED WITH RETURN AIR FILTERS, LIQUID ADHESIVE COATINGS USED ON FILTERS SHALL HAVE A FLASH POINT NOT LOWER THAN 326 DEG. F. MEDIA TYPE AIR FILTERS SHALL COMPLY WITH UL 900. HIGH EFFICIENCY PARTICULATE AIR FILTERS SHALL COMPLY WITH UL 586. ELECTROSTATIC TYPE SHALL COMPLY WITH UL 867.
- PROVIDE AIR TURNING VANES IN ALL SQUARE AND 45° ELBOWS.



SUPPLY AIR REGISTER TYPE 'A' 400CFM.

ER1

EXHAUST REGISTER TYPE 'ER1'.

R2

RETURN AIR REGISTER TYPE 'R2'.

B

SUPPLY AIR REGISTER TYPE 'B'

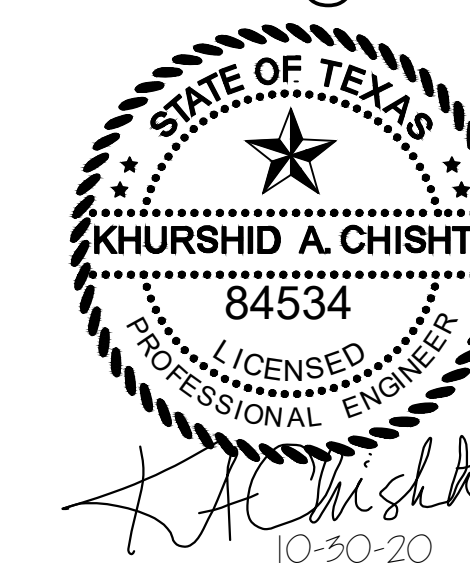
EF-2

EXHAUST FAN TAG EF-2.

RTU-1

ROOF TOP UNIT TAG 'RTU-1'.

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AIR DISTRIBUTION DEVICES

| MARK | DUTY | DESCRIPTION | MFGR./MODEL No. |
|------|--------|--|-----------------|
| A | SUPPLY | 24"x 24" LOUVERED FACE, LAY-IN ROUND NECK SIZE AS SHON | TITUS 350 |
| R1 | RETURN | 48"x24" W/FRAME | TITUS R350 |

MECHANICAL EQUIPMENT SCHEDULE

| MARK | CFM | TON | SEER | EX. S.P. | OUTSIDE AIR | ELECTRIC | | | | WEIGHT, LBS | DIMENSIONS IN. | | | MAKE AND MODEL |
|---|-------|-----|------|----------|-------------|----------|-----------|----------|------|-------------|----------------|----|----|-----------------|
| | | | | | | VOLTS | HEATER KW | MIN AMPS | FUSE | | L | W | D | |
| AIR HANDLING UNIT | | | | | | | | | | | | | | |
| AHU-1 | 4,000 | 10 | 11.2 | 1.0 | 500 | 208/60/3 | 18.9 | 77 | 80 | 200 | 88 | 30 | 26 | TRANE TWE120E3 |
| 1. ALL AIR HANDLING UNITS OF 2,000 CFM AND LARGER SHALL BE EQUIPPED WITH SMOKE DETECTORS IN THE DUCT AND SHALL BE CONNECTED TO THE FIRE ALARM SYSTEM. | | | | | | | | | | | | | | |
| CONDENSING UNITS | | | | | | | | | | | | | | |
| CU-1 | 10 | | | | 208/60/3 | | | 46 | 70 | 450 | 46 | 35 | 39 | TRANE TWA3060A3 |

Project

FOODSERVICE EQUIPMENT LAYOUT
RADHA KRISHNA TEMPLE
 1450 N. WATERS ROAD
 ALLEN, TX 75013

| ISSUE | DATE | DESCRIPTION |
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PROJECT NUMBER CM170123

SCALE

DRAWN TCG

DATE 06/05/2020

SHEET DESCRIPTION

KITCHEN HVAC
NOTES & SCHEDULE

SHEET NUMBER

M2.0