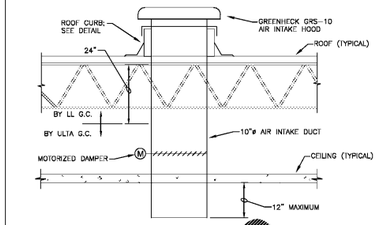


NOTES:
1. INTERLOCK MOTORIZED DAMPER WITH BURNER OPERATION ON WATER HEATER. WHEN BURNER IS FIRING, DAMPER SHALL OPEN. WHEN BURNER IS NOT FIRING DAMPER SHALL CLOSE. DAMPER TO FAIL IN OPEN POSITION.

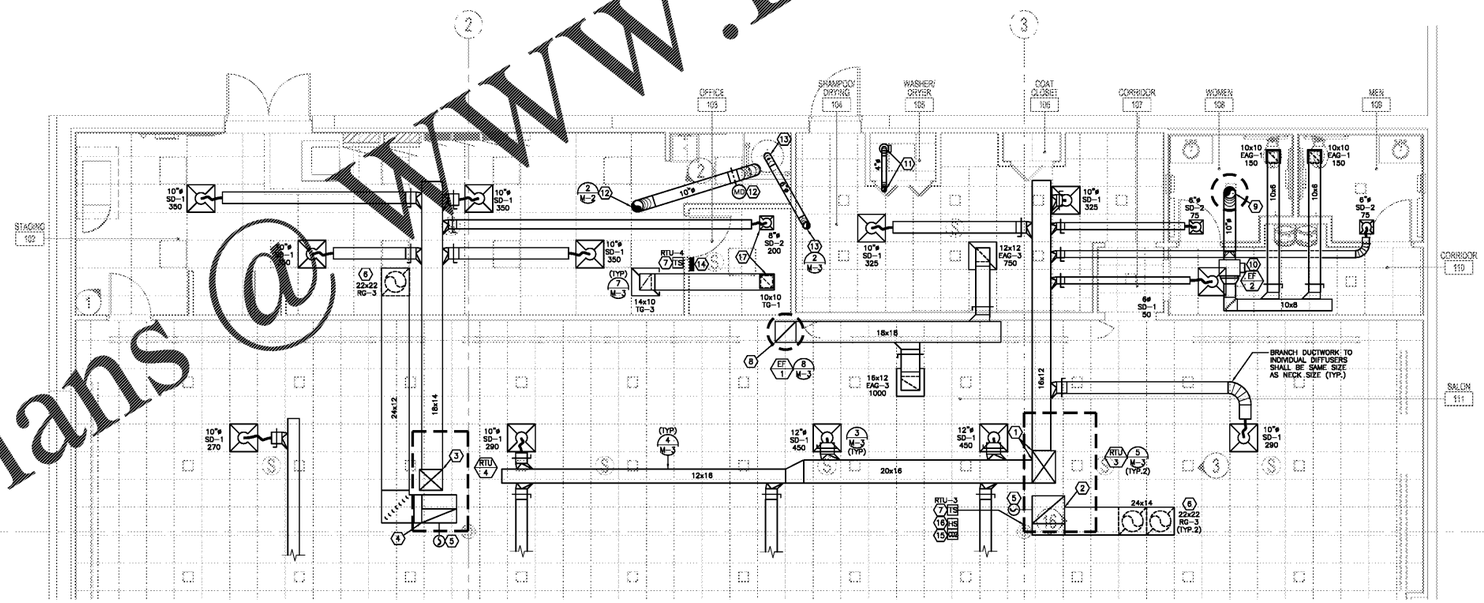
2 COMBUSTION AIR INTAKE DETAIL

SCALE: NO SCALE

PLAN NOTES

1. CONNECT 20x16 AND 16x12 SUPPLY DUCTS TO DUCT DROP FROM ROOFTOP UNIT, RTU-3, PROVIDE TURNING VANE ELBOWS AT BOTTOM OF RISER.
2. CONNECT 24x14 RETURN DUCT TO DUCT DROP FROM ROOFTOP UNIT, RTU-3, PROVIDE TURNING VANE ELBOW AT BOTTOM OF RISER.
3. CONNECT 18x14 SUPPLY DUCT TO DUCT DROP FROM ROOFTOP UNIT, RTU-4, PROVIDE TURNING VANE ELBOW AT BOTTOM OF RISER.
4. CONNECT 24x12 RETURN DUCT TO DUCT DROP FROM ROOFTOP UNIT, RTU-4, PROVIDE TURNING VANE ELBOW AT BOTTOM OF RISER.
5. SMOKE DETECTOR PER CODE. PROVIDE EXTRA SMOKE DETECTOR HEAD FOR REPLACEMENT INSTALLATION AT SUBSTANTIAL COMPLETION FOR ALL DUCT SMOKE DETECTORS.
6. 18"ø CONNECTION W/ V.D. IN NECK. PROVIDE VOLUME DAMPER, DUCTWORK FITTINGS, FLEXIBLE DUCTWORK, AND AIR DEVICE.
7. TEMPERATURE SENSOR LOCATION FOR RTU, TAG NUMBER INDICATED ON THE DRAWINGS. SENSOR FURNISHED WITH RTU AND INSTALLED BY EMS CONTRACTOR. EACH REMOTE SENSOR TO BE LABELED WITH ZONE SERVED. DO NOT LOCATE COLUMN MOUNTED SENSORS FACING THE FRONT OF THE STORE, LOCATE THE SENSORS ON THE SIDE OR BACK OF THE COLUMN WHEN VIEWED FROM THE FRONT OF THE STORE. DO NOT ATTACH SENSORS TO STORE FIXTURES, CONTACT ARCHITECT IF THERE APPEARS TO BE A FIXTURE CONFLICT. COORDINATE SENSOR LOCATIONS SO SENSORS ARE NOT ATTACHED TO ARCH. COORDINATE SENSOR LOCATIONS WITH ARTWORK, GRAPHICS, ETC..
8. CONNECT TO 18/18 DUCT DROP FROM EF-1, PROVIDE TURNING VANE ELBOW AT BOTTOM OF RISER. PROVIDE DUCT AND FITTINGS AS NECESSARY.
9. 10"ø TOILET ROOM EXHAUST DUCT UP THROUGH ROOF TO GOOSENECK TERMINATION. FIELD VERIFY EXACT LOCATION.
10. FAN SPEED CONTROLLER MOUNTED ON SIDE OF FAN HOUSING FOR BALANCING PURPOSE ONLY.
11. DRYER EXHAUST TO DRYER VENT TERMINATION ON ROOF OR WALL CAP. PROVIDE DRYER BOOSTER FAN, FANTECH MODEL DEDPV-705 UL LISTED WITH BACK DRAFT DAMPER. CONNECT 4"ø DRYER EXHAUST TO BOOSTER FAN. FURNISH AND INSTALL LINT TRAP MODEL DBL14 IN DRYER EXHAUST DUCT UPSTREAM OF BOOSTER FAN ACCORDING TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. LINT TRAP TO BE INSTALLED ABOVE DRYER IN VERTICAL DRYER DUCT WHICH IS EASILY ACCESSIBLE TO THE DRYER USER. DRYER EXHAUST DUCTWORK SHALL HAVE A SMOOTH INTERIOR FINISH WITH JOINTS RUNNING IN THE DIRECTION OF THE AIRFLOW. DUCTS SHALL NOT BE CONNECTED OR INSTALLED WITH SHEET METAL SCREWS OR OTHER FASTENERS THAT WILL OBSTRUCT THE FLOW. FLEXIBLE DUCT CONNECTORS SHALL BE METALLIC WITH A MAXIMUM LENGTH OF 6 FEET. TERMINATION SHALL BE A MINIMUM OF 10'-0" FROM OUTSIDE AIR INTAKE LOUVERS. MINIMUM HORIZONTAL DUCT ELEVATION TO BE 9'-6".
12. 10"ø DUCT UP THRU ROOF FOR COMBUSTION AIR. THE OPENING SHALL TERMINATE BELOW THE CEILING AND SHALL NOT EXTEND IN EXCESS OF 12" BELOW THE CEILING. MECHANICAL CONTRACTOR TO PROVIDE A MOTORIZED DAMPER THAT IS INTERLOCKED WITH THE BURNER OPERATION ON WATER HEATER. WHEN BURNER IS FIRING DAMPER SHALL OPEN. WHEN BURNER IS NOT FIRING DAMPER SHALL REMAIN CLOSED. DAMPER SHALL FAIL IN THE OPEN POSITION. INTERLOCK AND WIRING TO BE PROVIDED BY THE MECHANICAL CONTRACTOR. COORDINATE WITH STRUCTURE. LANDLORD PROVIDED ROOF TERMINATION IS A GREENHECK ROOF CAP MODEL GRS-10 ON THE ROOF.
13. 6"ø TYPE B VENT UP THRU ROOF. FIELD VERIFY EXACT LOCATION. PROVIDE B-VENT TO WATER HEATER.
14. DETAIL 6 ON SHEET M-3 SHALL BE CUT OUT, PLACED IN A FRAME, AND HUNG IN THE MANAGERS OFFICE. COORDINATE EXACT LOCATION WITH ARCHITECTURAL ITEMS.
15. CO2 SENSOR FURNISHED AND INSTALLED BY EMS CONTRACTOR, SEE EMS DRAWINGS FOR MORE INFORMATION. COORDINATE SENSOR LOCATIONS WITH ARTWORK, GRAPHICS, ETC..
16. HUMIDITY SENSOR FURNISHED AND INSTALLED BY EMS CONTRACTOR, SEE EMS DRAWINGS FOR MORE INFORMATION. INSTALL SENSOR AT 60" AFF ADJACENT TO OR BELOW CO2 SENSOR. COORDINATE SENSOR LOCATIONS WITH ARTWORK, GRAPHICS, ETC..
17. COORDINATE AIR DEVICE LOCATIONS AND ORIENTATION IN OFFICE WITH OFFICE CEILING STRUCTURE SO THAT THE DUCTWORK AND AIR DEVICES ARE ROUTED BETWEEN JOISTS AND NOT THRU JOISTS TO MAINTAIN CEILING STRUCTURE.

NOTE:
MECHANICAL CONTRACTOR SHALL STENCIL THE ROOFTOP UNITS. STENCIL SHALL INDICATE STORE NAME, SPACE NUMBER AND EQUIPMENT DESIGNATION IN LETTERING A MINIMUM OF 2 INCHES IN HEIGHT.



1 ENLARGED MECHANICAL PLAN

SCALE: 1/4" = 1'-0"

NORTH

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BID ISSUE	06/03/2019
PERMIT ISSUE	06/04/2019

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ENLARGED REFLECTED CEILING PLAN

DRAWN BY	SAK
CHECKED BY	RCS
JOB NUMBER	19047
SHEET NAME	M-2

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