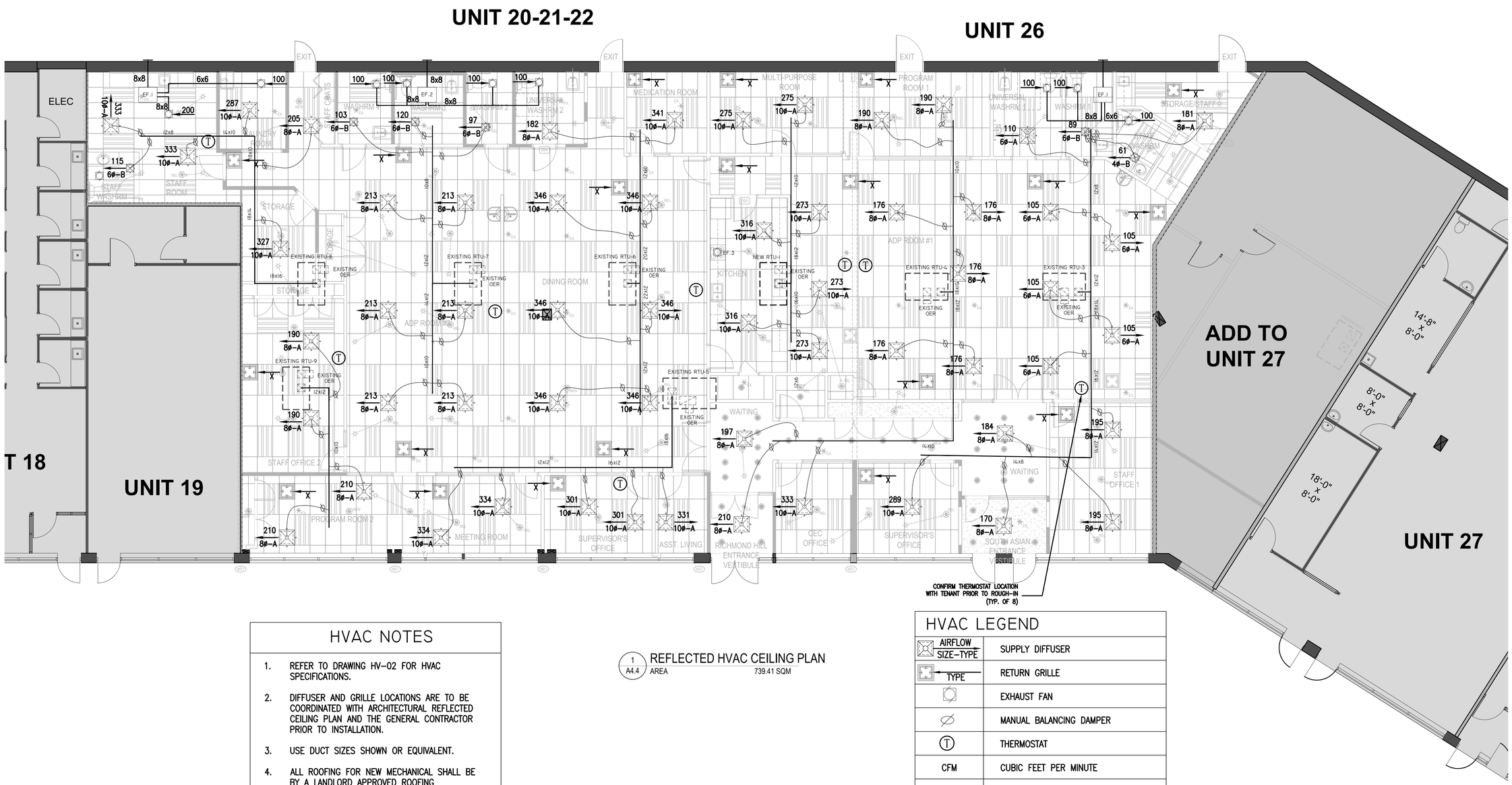


HVAC NOTES

1. REFER TO DRAWING HV–02 FOR HVAC SPECIFICATIONS.
2. DIFFUSER AND GRILLE LOCATIONS ARE TO BE COORDINATED WITH ARCHITECTURAL REFLECTED CEILING PLAN AND THE GENERAL CONTRACTOR PRIOR TO INSTALLATION.
3. USE DUCT SIZES SHOWN OR EQUIVALENT.
4. ALL ROOFING FOR NEW MECHANICAL SHALL BE BY A LANDLORD APPROVED ROOFING CONTRACTOR. INCLUDE ALL COSTS.
5. DUCTS IN UNHEATED SPACES SHALL BE INSULATED WITH MINIMUM R–10.0

1 / A4.4 REFLECTED HVAC CEILING PLAN

AREA 739.41 SQM

HVAC LEGEND

AIRFLOW / SIZE–TYPE	SUPPLY DIFFUSER
TYPE	RETURN GRILLE
	EXHAUST FAN
	MANUAL BALANCING DAMPER
T	THERMOSTAT
CFM	CUBIC FEET PER MINUTE
OER	OPEN ENDED RETURN

DESIGNER'S STAMP

LICENSED PROFESSIONAL ENGINEER
N. U. KHAN
100046833
PROVINCE OF ONTARIO

GENERAL NOTES

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CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS BEFORE COMMENCING WORK AND TO REPORT ANY DISCREPANCIES TO THE ENGINEER OR KALGREENS ARCHITECTS

ALL CONSTRUCTION TO BE ACCORDING TO BEST COMMON PRACTICE AND CONFORM TO THE ONTARIO BUILDING CODE.

NO.	ISSUED FOR	DATE
1	------	----/--/--

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9325 YONGE STREET
RICHMOND HILL, ON

DRAWING
HVAC FLOOR PLAN

DRAWN TN | MNGR. KBK

PLOTTED DATE OCT 02, 2026

SCALE 1 : 75 @24"X36"

CHECKED KYLE KHADRA

DRAWING NO. HV-01

HVAC REQUIREMENTS

GENERAL MECHANICAL

1. SUPPLY AND INSTALL ALL MATERIALS AND EQUIPMENT AS SHOWN ON THE DRAWINGS FOR THE SATISFACTORY COMPLETION OF THE MECHANICAL WORK. ALL EQUIPMENT SHALL BE NEW, OPERATIONAL, TESTED AND BALANCED TO THE SATISFACTION OF THE ENGINEER. COMPLY WITH ALL APPLICABLE REQUIREMENTS AND CONDITIONS SET OUT IN THE CONTRACT DOCUMENTS.
2. THE CONTRACTOR SHALL SUBMIT A LUMP SUM FIXED PRICE BASED ON THE DRAWINGS AND SPECIFICATIONS. WHERE AN ALTERNATE MANUFACTURER OR EQUIPMENT IS PROPOSED, THE CONTRACTOR SHALL IDENTIFY THE ALTERNATE AND INCLUDE ALL ASSOCIATED COSTS. NO PRICE ADJUSTMENT WILL BE PERMITTED FOR ALTERNATE EQUIPMENT SUBMITTED BY THE CONTRACTOR.
3. BEFORE BIDDING, THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND THE REQUIREMENTS OF THE WORK. THE CONTRACTOR SHALL INCLUDE ALL WORK NECESSARY FOR THE COMPLETE INSTALLATION OF THE MECHANICAL SYSTEMS.
4. ALL WORK SHALL CONFORM TO THE MINIMUM REQUIREMENTS OF THE ONTARIO BUILDING CODE, ONTARIO FIRE CODE, ONTARIO ELECTRICAL CODE, APPLICABLE LOCAL BY-LAWS, AND THE REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
5. CONTRACTOR SHALL PAY ALL FEES AND FURNISH CERTIFICATES AS EVIDENCE THAT THE WORK INSTALLED COMPLIES WITH THE LAWS AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION.
6. THE CONTRACTOR SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS AND REPORT ANY ERRORS, INCONSISTENCIES OR OMISSIONS TO THE ENGINEER PRIOR TO COMMENCING THE WORK.
7. CUTTING AND PATCHING SHALL INCLUDE ALL CUTTING AND PATCHING REQUIRED FOR COMPLETION OF THE WORK. FIRESTOP AND PATCH ALL PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES.
8. DEMOLITION AND REMOVAL SHALL INCLUDE ALL DEMOLITION, REMOVAL AND DISPOSAL REQUIRED FOR THE INSTALLATION OF THE WORK. DISPOSE OF REMOVED MATERIALS AND EQUIPMENT OFF SITE UNLESS OTHERWISE DIRECTED BY THE OWNER.
9. SLEEVES AND ACCESS DOORS SHALL BE PROVIDED AS REQUIRED FOR THE INSTALLATION, OPERATION, INSPECTION AND SERVICING OF ALL CONCEALED MECHANICAL EQUIPMENT.
10. ELECTRICAL POWER FOR ALL MECHANICAL EQUIPMENT SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. ALL LOW-VOLTAGE CONTROL WIRING AND CONNECTIONS FOR MECHANICAL EQUIPMENT SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR. CONTROL WIRING INSTALLED IN CEILING RETURN AIR PLENUMS SHALL BE PLENUM RATED.
11. PROVIDE FIRESTOPPING FOR ALL PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES. FIRESTOPPING SHALL BE APPROVED FOR THE SPECIFIC APPLICATION AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
12. ROOF CURBS, FLASHINGS, COUNTERFLASHINGS, STRUCTURAL SUPPORTS FOR ROOF OPENINGS AND COUNTERFLASHING FOR MECHANICAL EQUIPMENT SHALL BE PROVIDED BY THE GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.
13. WORK OF OTHERS: GENERAL CONTRACTOR TO PROVIDE BULKHEADS, FURRED-IN SPACES, CONCRETE PADS, ETC., UNLESS NOTED OTHERWISE.
14. WARRANT ALL MECHANICAL WORK AND EQUIPMENT AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE.

FIRE STOPPING AND INSULATION

1. FIRESTOP ALL DUCT PENETRATIONS THROUGH FIRE-RATED WALL, FLOOR AND ROOF ASSEMBLIES TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION. PROVIDE FIRESTOPPING SYSTEMS SPECIFICALLY LISTED AND APPROVED FOR THE PENETRATION AND ASSEMBLY TYPE.
2. INSULATE ALL DUCTWORK, PIPING AND EQUIPMENT AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS. PROVIDE 1/2 INCH THICK ACOUSTIC LINING AND 2 INCH THICK THERMAL INSULATION WHERE INDICATED. PROVIDE EXTERNAL THERMAL INSULATION WITH A VAPOUR BARRIER WHERE REQUIRED.

AS-BUILT DRAWINGS

1. THE MECHANICAL CONTRACTOR SHALL PROVIDE RECORD AS-BUILT DRAWINGS TO THE OWNER AT THE COMPLETION OF THE WORK. DRAWINGS SHALL INDICATE ACTUAL EQUIPMENT LOCATIONS, DUCT ROUTING, DUCT SIZES, ACCESSORIES AND OTHER CHANGES MADE DURING CONSTRUCTION.

HVAC

1. SUPPLY AND INSTALL NEW ROOFTOP UNIT(S), COMPLETE WITH ALL REQUIRED ROOF CURBS, GAS CONNECTIONS, ELECTRICAL CONNECTIONS, CONTROLS AND ACCESSORIES, IN ACCORDANCE WITH THE APPLICABLE ONTARIO CODES AND REGULATIONS.
2. ALL HVAC SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS AND GOOD ENGINEERING PRACTICE. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND OF THE TYPE, QUALITY AND CAPACITY REQUIRED TO PROVIDE THE PERFORMANCE INDICATED ON THE DRAWINGS.
3. DUCT INSULATION: PROVIDE 1/2 INCH THICK INTERNAL ACOUSTIC LINING WHERE INDICATED ON THE DRAWINGS. MECHANICALLY FASTEN AND ADHERE LINER TO THE INTERIOR OF THE DUCTWORK IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS. PROVIDE ACOUSTIC LINING FOR THE FIRST 10 FEET OF SUPPLY AND RETURN DUCTWORK WHERE INDICATED.
4. PROVIDE 2 INCH THICK EXTERNAL THERMAL INSULATION ON DUCTWORK WHERE INDICATED. THERMALLY INSULATE OUTDOOR AIR INTAKE DUCTWORK AND THE LAST 6 FEET OF EXHAUST DUCTWORK UPSTREAM OF EXTERIOR TERMINATIONS, MINIMUM, UNLESS OTHERWISE NOTED.
5. SUPPLY DIFFUSERS: FURNISH AND INSTALL CEILING DIFFUSERS OF THE SIZES AND CAPACITIES SHOWN ON THE DRAWINGS. DIFFUSERS SHALL BE MANUFACTURED FROM CORROSION-RESISTANT STEEL AND HAVE FOUR-WAY DIRECTIONAL PATTERNS UNLESS OTHERWISE NOTED. PROVIDE REMOVABLE CORES FOR ACCESS TO AND ADJUSTMENT OF TERMINAL DAMPERS WITHOUT REMOVING THE DIFFUSER FRAME. FINISH SHALL BE AS SELECTED BY THE ENGINEER.
6. USE DUCT SIZES AS SHOWN ON THE DRAWINGS OR APPROVED EQUIVALENT SIZES AS REQUIRED TO SUIT SITE CONDITIONS. MAINTAIN THE DESIGN AIRFLOW REQUIREMENTS.

SHEET METAL WORK

1. COMPLETE ALL SHEET METAL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE SHEET METAL AND AIR-CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA) LOW VELOCITY DUCT CONSTRUCTION STANDARDS AND THE RECOMMENDATIONS OF ASHRAE.
2. USE GALVANIZED STEEL SHEET LINERS AND PROVIDE GAUGE THICKNESS AND REINFORCEMENT IN ACCORDANCE WITH SMACNA REQUIREMENTS. KEEP GAUGE NUMBERS EXTERNAL WHEREVER POSSIBLE.
3. PROVIDE STRAP HANGERS OF SUITABLE MATERIAL AS DUCT SIZE AND WEIGHT REQUIRE. MINIMUM SIZE OF DUCT SUPPORTED BY STRAP HANGERS SHALL BE AS INDICATED ON THE DRAWINGS. DO NOT USE STRAP HANGERS WHERE THEY MAY INTERFERE WITH DUCT INSULATION.
4. HANGER AND SUPPORT SYSTEMS SHALL BE ADEQUATE FOR THE WEIGHT OF THE DUCTWORK, INSULATION AND ACCESSORIES. PROVIDE HANGERS AND SUPPORTS AT SPACING REQUIRED BY SMACNA.
5. HANGERS SHALL BE GALVANIZED STEEL ANGLE WITH BLACK STEEL RODS, OR APPROVED EQUIVALENT, SUITABLE FOR THE APPLICATION.

RENOVATION

1. THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE THE EXISTING MECHANICAL CONDITIONS PRIOR TO SUBMITTING A BID.
2. THE CONTRACTOR SHALL ALLOW IN THE CONTRACT PRICE FOR REMOVAL, RELOCATION, RE-ROUTING, DISCONNECTION AND RECONNECTION OF EXISTING MECHANICAL EQUIPMENT AND SERVICES AS REQUIRED FOR COMPLETION OF THE PROJECT. MECHANICAL EQUIPMENT LOCATED IN AREAS BEING ALTERED OR DEMOLISHED, BUT IDENTIFIED FOR REUSE, SHALL BE CAREFULLY REMOVED AND STORED OR PROTECTED AS DIRECTED.
3. THE SEQUENCE OF REMOVAL, RELOCATION AND REINSTALLATION OF EXISTING EQUIPMENT SHALL BE COORDINATED WITH THE OTHER TRADES, OWNER AND TENANTS. SYSTEM INTERRUPTIONS SHALL BE KEPT TO A MINIMUM.
4. ALL EXISTING MECHANICAL EQUIPMENT IDENTIFIED FOR REUSE SHALL REMAIN THE PROPERTY OF THE OWNER. IF THE OWNER DECIDES THAT EQUIPMENT WILL NOT BE REUSED, THE CONTRACTOR SHALL DISPOSE OF THE EQUIPMENT IN ACCORDANCE WITH APPLICABLE REQUIREMENTS.
5. THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION FOR EXISTING EQUIPMENT THROUGHOUT THE PROJECT AND SHALL PARTICULARLY PROTECT EQUIPMENT FROM DAMAGE DUE TO MECHANICAL INJURY, DUST OR MOISTURE DURING ALTERATIONS OR NEW CONSTRUCTION.

INSPECTION AND COMMISSIONING

1. INSPECTION AND COORDINATION

1.1 INSPECT THE SITE PRIOR TO STARTING WORK TO CONFIRM EXISTING CONDITIONS AND COORDINATE THE WORK WITH THE OWNER AND OTHER TRADES. REPORT ANY CONDITIONS THAT MAY AFFECT THE INSTALLATION PRIOR TO COMMENCING THE WORK.
1.2 LAY OUT WORK AND COORDINATE WITH WORK SPECIFIED IN OTHER SECTIONS. COORDINATE EQUIPMENT LOCATIONS, DUCT ROUTES AND SERVICE CLEARANCES WITH OTHER TRADES TO ENSURE THE PROPER INSTALLATION AND OPERATION OF THE SYSTEMS.

2. COMMISSIONING

2.1 UPON COMPLETION OF THE WORK, START UP AND TEST ALL MECHANICAL EQUIPMENT AND VERIFY THAT ALL SYSTEMS ARE OPERATING IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND MANUFACTURER'S REQUIREMENTS.
2.2 DEMONSTRATE TO THE OWNER AND ENGINEER THE PROPER OPERATION OF ALL SYSTEMS. PROVIDE OPERATING INSTRUCTIONS AND TRAINING AS REQUIRED AS PART OF THIS CONTRACT.

DUCT AIR BALANCING AND BALANCING REPORT

1. TESTING AND BALANCING: UPON COMPLETION OF THE HVAC INSTALLATION, THE CONTRACTOR SHALL ARRANGE FOR TESTING, ADJUSTING AND BALANCING OF ALL SUPPLY, RETURN AND EXHAUST AIR SYSTEMS BY A QUALIFIED INDEPENDENT TESTING AND BALANCING AGENCY.
2. BALANCING: BALANCE ALL AIR DISTRIBUTION SYSTEMS TO THE DESIGN AIR QUANTITIES INDICATED ON THE DRAWINGS. ADJUST BALANCING DAMPERS, TERMINAL UNITS, DIFFUSERS, GRILLES AND REGISTERS AS REQUIRED TO ACHIEVE THE DESIGN AIRFLOW. VERIFY FAN AIRFLOW AND STATIC PRESSURE.
3. BALANCING REPORT: SUBMIT A COMPLETE TESTING, ADJUSTING AND BALANCING REPORT TO THE ENGINEER FOR REVIEW PRIOR TO SUBSTANTIAL PERFORMANCE. THE REPORT SHALL INCLUDE, AS A MINIMUM:
   - DESIGN AND MEASURED AIRFLOW AT EACH DIFFUSER, GRILLE, REGISTER AND EXHAUST OUTLET.
   - DESIGN AND MEASURED TOTAL SUPPLY, RETURN AND EXHAUST AIRFLOW FOR EACH SYSTEM.
   - FAN OPERATING AIRFLOW AND STATIC PRESSURE.
   - IDENTIFICATION AND LOCATION OF EACH AIR TERMINAL.

   FINAL BALANCING DAMPER POSITIONS.
   - IDENTIFICATION OF ANY LOCATIONS WHERE DESIGN AIR QUANTITIES COULD NOT BE ACHIEVED.
4. CORRECTIONS: WHERE MEASURED AIR QUANTITIES DO NOT COMPLY WITH THE DESIGN REQUIREMENTS, THE CONTRACTOR SHALL MAKE ALL NECESSARY ADJUSTMENTS AND CORRECTIONS AND REPEAT THE TESTING AT NO ADDITIONAL COST TO THE OWNER.
5. FINAL REPORT: SUBMIT THE FINAL TAB REPORT, INCLUDING THE TEST INSTRUMENTS USED AND THEIR CALIBRATION DATES, SIGNED AND CERTIFIED BY THE TESTING AND BALANCING AGENCY.

SUBMITTALS

1. SHOP DRAWINGS: CONTRACTOR SHALL FORWARD SHOP DRAWINGS, CATALOGUE CUTS AND TECHNICAL DATA FOR ALL EQUIPMENT AND MATERIALS TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION OR INSTALLATION.
2. OPERATING AND MAINTENANCE MANUALS: CONTRACTOR SHALL SUPPLY THE OWNER WITH THREE COPIES OF COMPLETE OPERATING AND MAINTENANCE MANUALS FOR ALL MECHANICAL EQUIPMENT.

DESIGNER'S STAMP

LICENCED PROFESSIONAL ENGINEER
N. U. KHAN
100046833
PROVINCE OF ONTARIO

GENERAL NOTES
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NO.	ISSUED FOR	DATE
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RICHMOND HILL, ON

DRAWING
HVAC SPECIFICATIONS

DRAWN	MNGR.	DRAWING NO
TN	KBK	HV-02

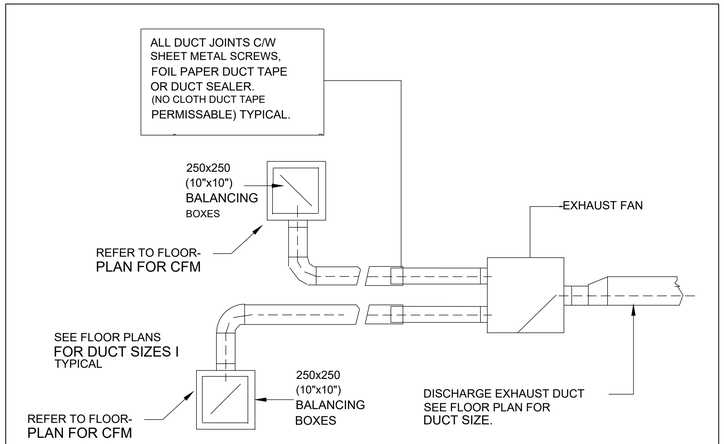
PLOTTED DATE: OCT 02, 2026
SCALE: NTS
@24"X36"
XHECKED: KYLE KHADRA

HVAC EQUIPMENT LIST

SYMBOL	TAG	UNIT	DESCRIPTION	ELEC.	REMARKS
RTU.1	NEW	ROOFTOP UNIT	LENNOX MODEL: LGT060H5EE1J 2,000 CFM @ 0.5" S.P. COOLING: 60,000 BTUs – 5 Tons HEATING: 1ST STAGE: 80 MBH, OUTPUT: 66 MBH 2ND STAGE: 108 MBH, OUTPUT: 87 MBH	575V/3PH/60Hz	C/W 24 HR/7 DAY AUTO. PROGRAMMABLE THERMOSTAT WITH SUB. BASE, AND FILTERS. SET MIN OUTDOOR AIR AT 228 CFM (11.40%) SUPPLY AND INSTALL ALL NEW GAS LINES AND ELECTRICAL CONNECTIONS IN ACCORDANCE WITH THE LOCAL CODES
RTU.3	EXISTING	ROOFTOP UNIT	CARRIER MODEL: 48FCEA06A2A1-A0A0A0 2,000 CFM @ 0.5" S.P. COOLING: 58,500 BTUs – 5 Tons HEATING: INPUT: 110 MBH, OUTPUT: 88 MBH	575V/3PH/60Hz	C/W 24 HR/7 DAY AUTO. PROGRAMMABLE THERMOSTAT WITH SUB. BASE, AND FILTERS. SET MIN OUTDOOR AIR AT 336 CFM (16.80%)
RTU.4	EXISTING	ROOFTOP UNIT	CARRIER MODEL: 48FCEA06A2A1-A0A0A0 2,000 CFM @ 0.5" S.P. COOLING: 58,500 BTUs – 5 Tons HEATING: INPUT: 110 MBH, OUTPUT: 88 MBH	575V/3PH/60Hz	C/W 24 HR/7 DAY AUTO. PROGRAMMABLE THERMOSTAT WITH SUB. BASE, AND FILTERS. SET MIN OUTDOOR AIR AT 333 CFM (16.66%)
RTU.5	EXISTING	ROOFTOP UNIT	LENNOX MODEL: LGH092H4BH3J 2,600 CFM @ 0.5" S.P. COOLING: 90,000 BTUs – 7.5 Tons HEATING: INPUT: 240 MBH, OUTPUT: 192 MBH	575V/3PH/60Hz	C/W 24 HR/7 DAY AUTO. PROGRAMMABLE THERMOSTAT WITH SUB. BASE, AND FILTERS. SET MIN OUTDOOR AIR AT 476 CFM (18.32%)
RTU.6	EXISTING	ROOFTOP UNIT	LENNOX MODEL: LGH048H4ET4J 1,600 CFM @ 0.5" S.P. COOLING: 48,000 BTUs – 4 Tons HEATING: INPUT: 150 MBH, OUTPUT: 120 MBH	575V/3PH/60Hz	C/W 24 HR/7 DAY AUTO. PROGRAMMABLE THERMOSTAT WITH SUB. BASE, AND FILTERS. SET MIN OUTDOOR AIR AT 127 CFM (7.95%)
RTU.7	EXISTING	ROOFTOP UNIT	LENNOX MODEL: LGH048H4ET4J 1,600 CFM @ 0.5" S.P. COOLING: 48,000 BTUs – 4 Tons HEATING: INPUT: 150 MBH, OUTPUT: 120 MBH	575V/3PH/60Hz	C/W 24 HR/7 DAY AUTO. PROGRAMMABLE THERMOSTAT WITH SUB. BASE, AND FILTERS. SET MIN OUTDOOR AIR AT 259 CFM (16.2%)
RTU.8	EXISTING	ROOFTOP UNIT	LENNOX MODEL: LGH048H4ET4J 1,600 CFM @ 0.5" S.P. COOLING: 48,000 BTUs – 4 Tons HEATING: INPUT: 150 MBH, OUTPUT: 120 MBH	575V/3PH/60Hz	C/W 24 HR/7 DAY AUTO. PROGRAMMABLE THERMOSTAT WITH SUB. BASE, AND FILTERS. SET MIN OUTDOOR AIR AT 86 CFM (5.37%)
RTU.9	EXISTING	ROOFTOP UNIT	LENNOX MODEL: KGB024S4EW2P 800 CFM @ 0.5" S.P. COOLING: 24,000 BTUs – 2 Tons HEATING: INPUT: 65 MBH, OUTPUT: 52 MBH	208V/1PH/60Hz	C/W 24 HR/7 DAY AUTO. PROGRAMMABLE THERMOSTAT WITH SUB. BASE, AND FILTERS. SET MIN OUTDOOR AIR AT 90 CFM (11.21%)
EF.1	NEW	EXHAUST	LOREN COOK GN-620 (OR EQUIVALENT) 300 CFM @ 0.5" S.P.	120.1.60	C/W BDD. VARIABLE SPEED SWITCH, MOUNTING BRACKETS, CLAMPS.
EF.2	NEW	EXHAUST FAN	LOREN COOK GN-720 (OR EQUIVALENT) 400 CFM @ 0.5" S.P.	120.1.60	C/W BDD. VARIABLE SPEED SWITCH, MOUNTING BRACKETS, CLAMPS.
EF.3	NEW	KITCHEN EXHAUST FAN	TO BE SELECTED BY OWNER 400 CFM @ 0.5" S.P.	120.1.60	C/W BDD. MOUNTING BRACKETS, CLAMPS. VENT THROUGH ROOF

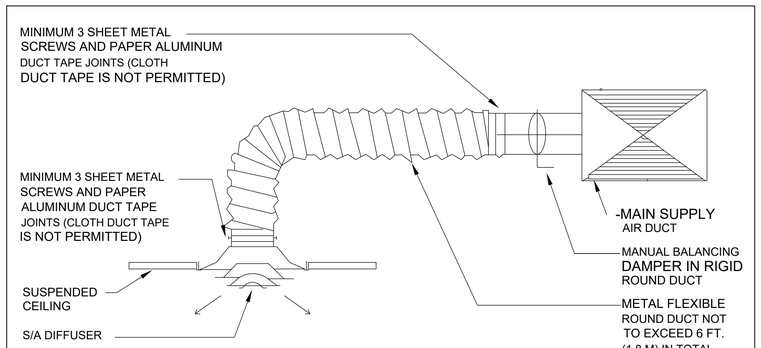
GRILLE & DIFFUSER SCHEDULE

SYMBOL	TYPE	MANUFACTURER	REMARKS
A	SQUARE PLAQUE 24X24 DIFFUSER	KRUEGER (OR EQUIVALENT)	COLOUR BY ARCHITECT
B	RECTANGULAR 12X12 DIFFUSER	KRUEGER (OR EQUIVALENT)	COLOUR BY ARCHITECT
X	WALL/CEILING MOUNTED WITH FRAME 24X24	KRUEGER (OR EQUIVALENT)	COLOUR BY ARCHITECT



DOUBLE INLET FAN EXHAUST DETAIL

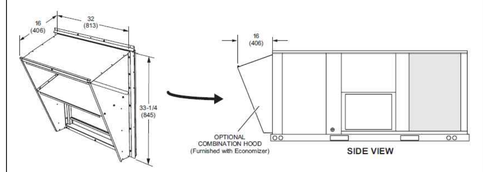
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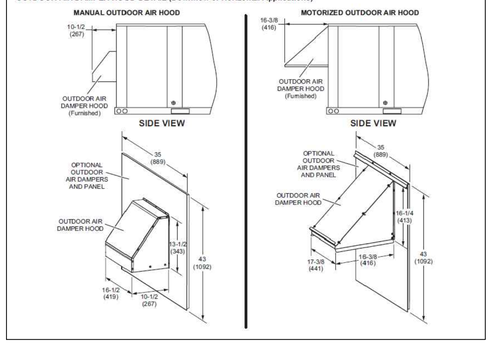
TYPICAL DETAIL OF FLEXIBLE/RIGID DUCT CONNECTION TO DIFFUSER

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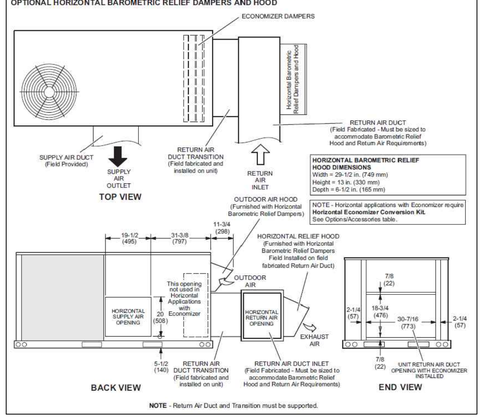
COMBINATION OUTDOOR AIR HOOD DETAIL FOR OPTIONAL ECONOMIZER AND BAROMETRIC RELIEF DAMPERS
(Furnished With Economizer for Downflow Applications)



OUTDOOR AIR DAMPER HOOD DETAIL (Downflow or Horizontal Applications)

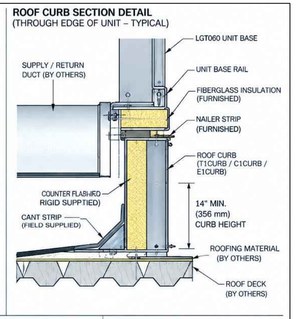


HORIZONTAL ECONOMIZER APPLICATIONS - OUTDOOR AIR HOOD DETAIL WITH OPTIONAL ECONOMIZER DAMPERS AND OPTIONAL HORIZONTAL BAROMETRIC RELIEF DAMPERS AND HOOD

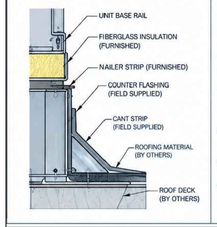


NOTE - Return Air Duct and Transition must be supported.

ROOF CURB SECTION DETAIL
(THROUGH EDGE OF UNIT – TYPICAL)



ROOF CURB FLASHING DETAIL (ENLARGED)



GENERAL NOTES:

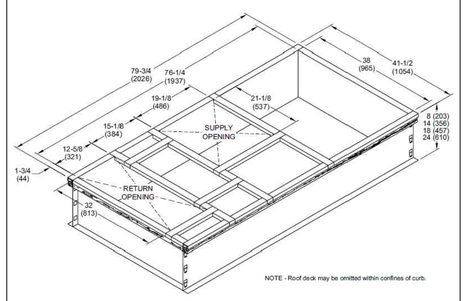
1. ROOF CURB MUST BE SQUARE AND LEVEL WITHIN 1/16" PER FT. (5 mm/m).
2. MINIMUM CURB HEIGHT 14" (356 mm) TO PREVENT MOISTURE ENTRY.
3. SUPPLY AND RETURN PLENUMS MUST BE INSTALLED BEFORE THE UNIT IS SET ON THE CURB.
4. DUCTWORK IS ATTACHED TO THE ROOF CURB/FRAME, NOT DIRECTLY TO THE RTU.
5. CURB MUST SUPPORT THE UNIT AROUND ALL FOUR SIDES.
6. SECURE ROOF FRAME TO ROOF STRUCTURE IN ACCORDANCE WITH APPLICABLE CODES.
7. DO NOT DRILL OR PUNCH HOLES THROUGH THE UNIT BASE IN A DOWNFLOW INSTALLATION.

LGT060 UNIT DIMENSIONS (BASE):
LENGTH: 83-1/4" (2115 mm)
WIDTH: 47" (1194 mm)

ROOF CURB: T1CURB / C1CURB / E1CURB
(Factory supplied by Lennox – size to match LGT060)

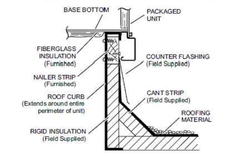
REFERENCE:
Lennox LGT/LGT036, 048, 060 & 072 Installation Instructions (Doc. 506286-01) and Lennox LGT Series Service Literature (Roof Mounting Frame and Flashing Detail).

HYBRID ROOF CURBS - DOUBLE DUCT OPENING

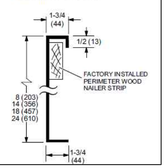


NOTE - Roof deck may be omitted within confines of curb.

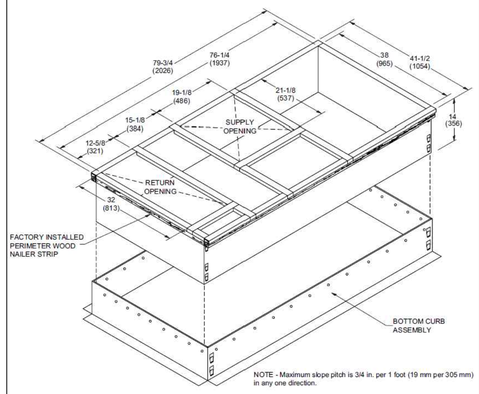
TYPICAL FLASHING DETAIL FOR ROOF CURB



DETAIL ROOF CURB

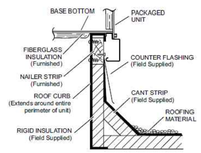


ADJUSTABLE PITCH CURBS - DOUBLE DUCT OPENING

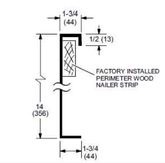


NOTE - Maximum slope pitch is 3/4 in. per 1 foot (19 mm per 305 mm) in any one direction.

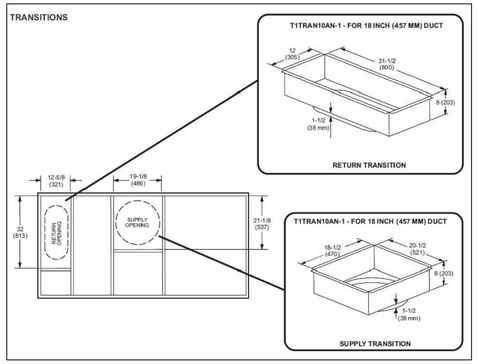
TYPICAL FLASHING DETAIL FOR ROOF CURB



DETAIL ROOF CURB



TRANSITIONS



DESIGNER'S STAMP

LICENCED PROFESSIONAL ENGINEER
N. U. KHAN
100046833
PROVINCE OF ONTARIO

GENERAL NOTES

ALL DRAWINGS ARE THE PROPERTY OF KALGREENS ARCHITECTS AND THEY ARE NOT TO BE REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT FROM KALGREENS ARCHITECTS INC.

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS BEFORE COMMENCING WORK AND TO REPORT ANY DISCREPANCIES TO THE ENGINEER OR KALGREENS ARCHITECTS

ALL CONSTRUCTION TO BE ACCORDING TO BEST COMMON PRACTICE AND CONFORM TO THE ONTARIO BUILDING CODE.

NO.	ISSUED FOR	DATE
1	------	____/__/__

KALGREENS ARCHITECTS INC
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ETOBICOKE, ON. M8V 3W6

PROJECT ADDRESS
9325 YONGE STREET
RICHMOND HILL, ON

DRAWING
HVAC DETAILS

DRAWN	MNGR.	DRAWING NO
TN	KBK	HV-03

PLOTTED DATE
OCT 02, 2026

SCALE
NTS
@24"X36"

CHECKED
KYLE KHADRA