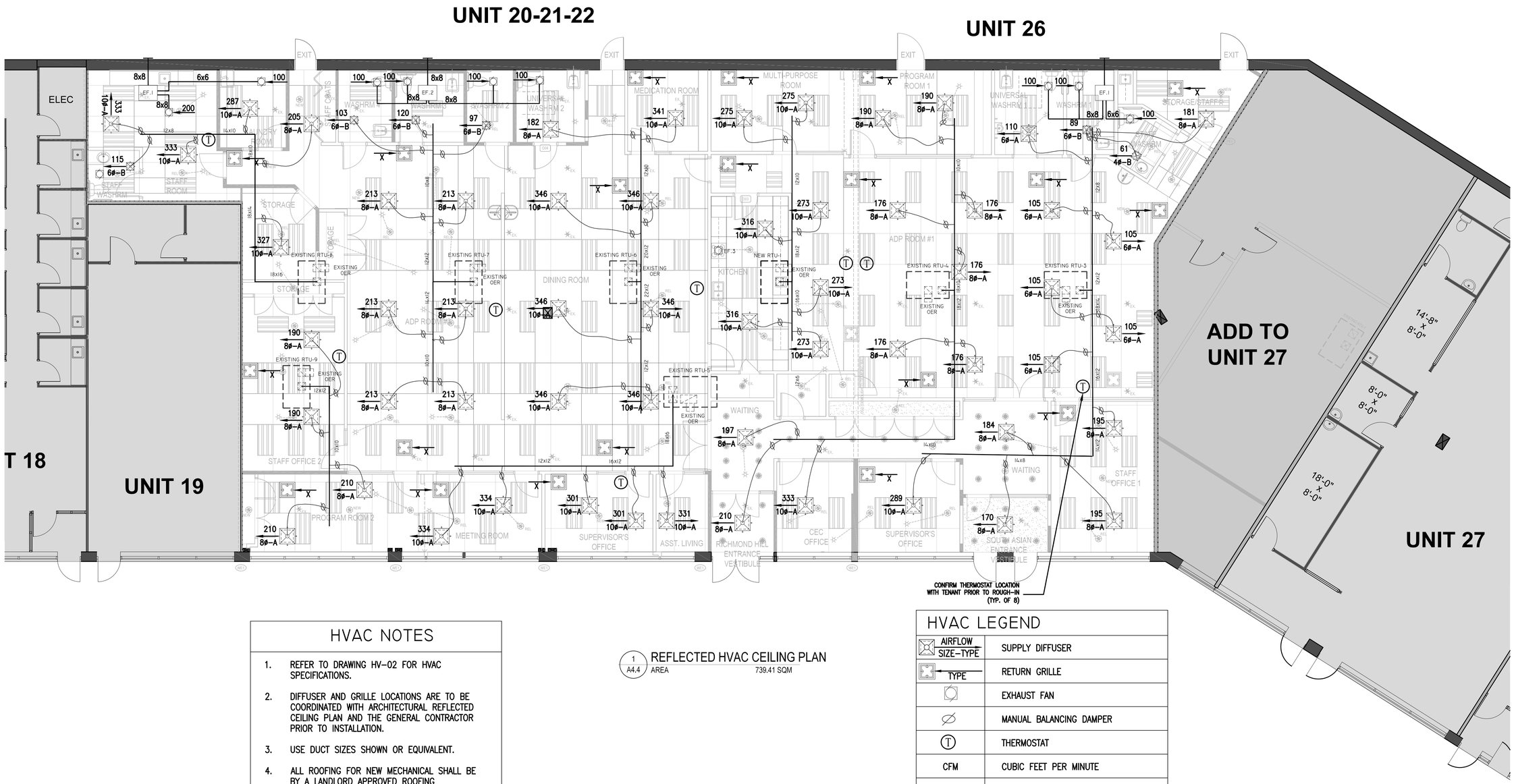


HVAC NOTES

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

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
T: 1 (855)-585-8008
KBK@KALGREENS.COM
84 - 80 BIRMINGHAM ST.,
ETOBICOKE, ON, M8V 3W6

PROJECT ADDRESS
9325 YONGE STREET
RICHMOND HILL, ON

DRAWING
HVAC FLOOR PLAN

DRAWN	MNGR.	DRAWING NO
TN	KBK	HV-01

PLOTTED DATE: OCT 02, 2026
SCALE: 1 : 75 @24"X36"
CHECKED: KYLE KHADRA

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
100048833
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
T: 1 (855)-585-8008
KBK@KALGREENS.COM
84 - 80 BIRMINGHAM ST.,
ETOBICOKE, ON. M8V 3W6

PROJECT ADDRESS
9325 YONGE STREET
RICHMOND HILL, ON

DRAWING
HVAC SPECIFICATIONS

DRAWN	MNGR.	DRAWING NO
TN	KBK	HV-02

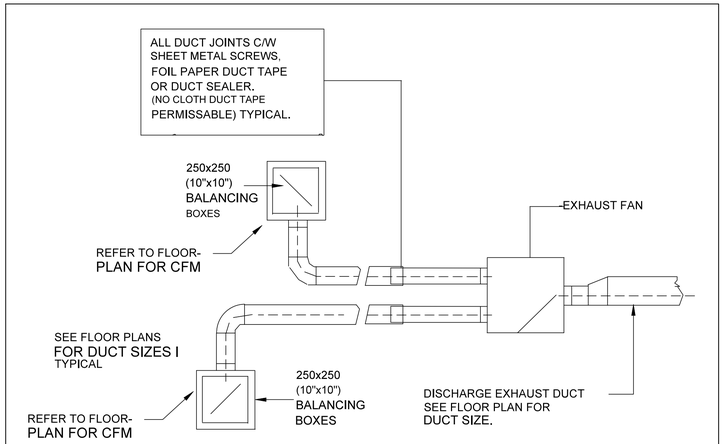
PLOTTED DATE: OCT 02, 2026
SCALE: NTS
@24"X36"
XHECKED: KYLE KHADRA

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

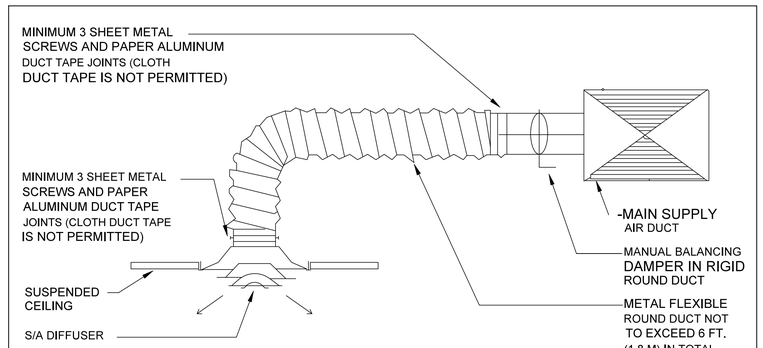
GRILLE & DIFFUSER SCHEDULE

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

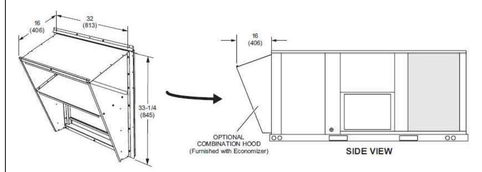
N.T.S.



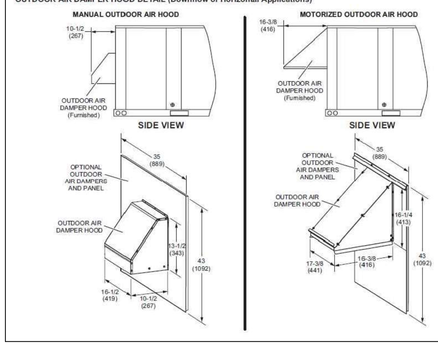
TYPICAL DETAIL OF FLEXIBLE/RIGID DUCT CONNECTION TO DIFFUSER

N.T.S.

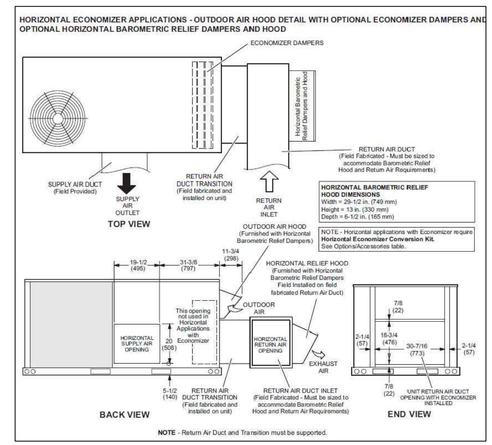
COMBINATION OUTDOOR AIR HOOD DETAIL FOR OPTIONAL ECONOMIZER AND BAROMETRIC RELIEF DAMPERS
(Furnished With Economizer for Downflow Applications)



OUTDOOR AIR DAMPER HOOD DETAIL (Downflow or Horizontal Applications)

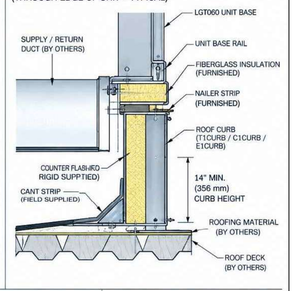


HORIZONTAL ECONOMIZER APPLICATIONS - OUTDOOR AIR HOOD DETAIL WITH OPTIONAL ECONOMIZER DAMPERS AND OPTIONAL HORIZONTAL BAROMETRIC RELIEF DAMPERS AND HOOD

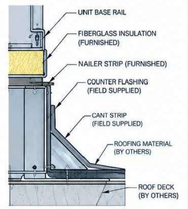


NOTE - Return Air Duct and Transition must be supported.

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



ROOF CURB FLASHING DETAIL (ENLARGED)



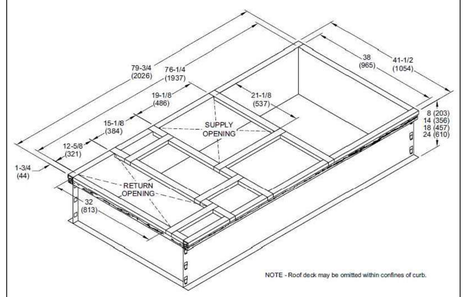
GENERAL NOTES:
1. ROOF CURB MUST BE SQUARE AND LEVEL WITHIN 1/16" PER FT. (5 mm/m).
2. MINIMUM CURB HEIGHT 14" (356 mm) TO PREVENT MOISTURE ENTRY.
3. SUPPLY AND RETURN PLENUMS MUST BE INSTALLED BEFORE THE UNIT IS SET ON THE CURB.
4. DUCTWORK IS ATTACHED TO THE ROOF CURB/FRAME, NOT DIRECTLY TO THE RTU.
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)

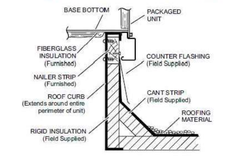
REFERENCE:
Lennox LGT/LGT036, 048, 060 & 072 Installation Instructions (Doc. 506286-01) and Lennox LGT Series Service Literature (Roof Mounting Frame and Flashing Detail).

HYBRID ROOF CURBS - DOUBLE DUCT OPENING

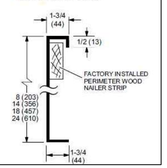


NOTE - Roof deck may be omitted within confines of curb.

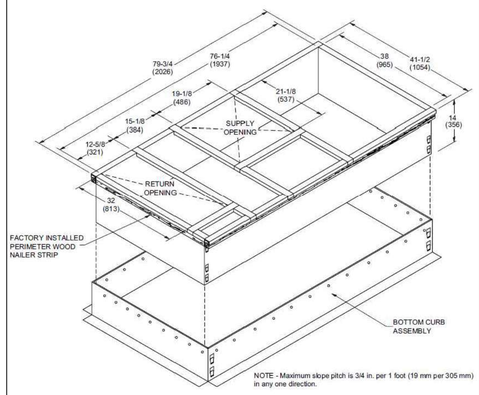
TYPICAL FLASHING DETAIL FOR ROOF CURB



DETAIL ROOF CURB

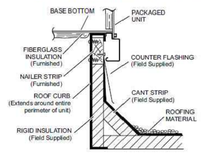


ADJUSTABLE PITCH CURBS - DOUBLE DUCT OPENING

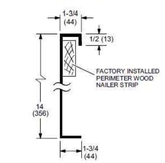


NOTE - Maximum slope pitch is 3/4 in. per 1 foot (19 mm per 305 mm) in any one direction.

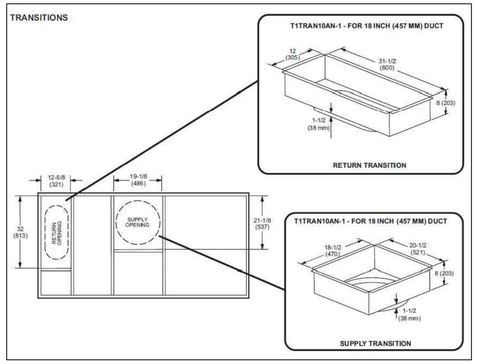
TYPICAL FLASHING DETAIL FOR ROOF CURB



DETAIL ROOF CURB



TRANSITIONS



KALGREENS ARCHITECTS INC
T: 1 (855)-585-8008
KBK@KALGREENS.COM
84 - 80 BIRMINGHAM ST.,
ETOBICOKE, ON, M8V 3W6

PROJECT ADDRESS
9325 YONGE STREET
RICHMOND HILL, ON

DRAWING
HVAC DETAILS

DESIGNER'S STAMP
LICENCED PROFESSIONAL ENGINEER
N. U. KHAN
100046833
PROVINCE OF ONTARIO

GENERAL NOTES

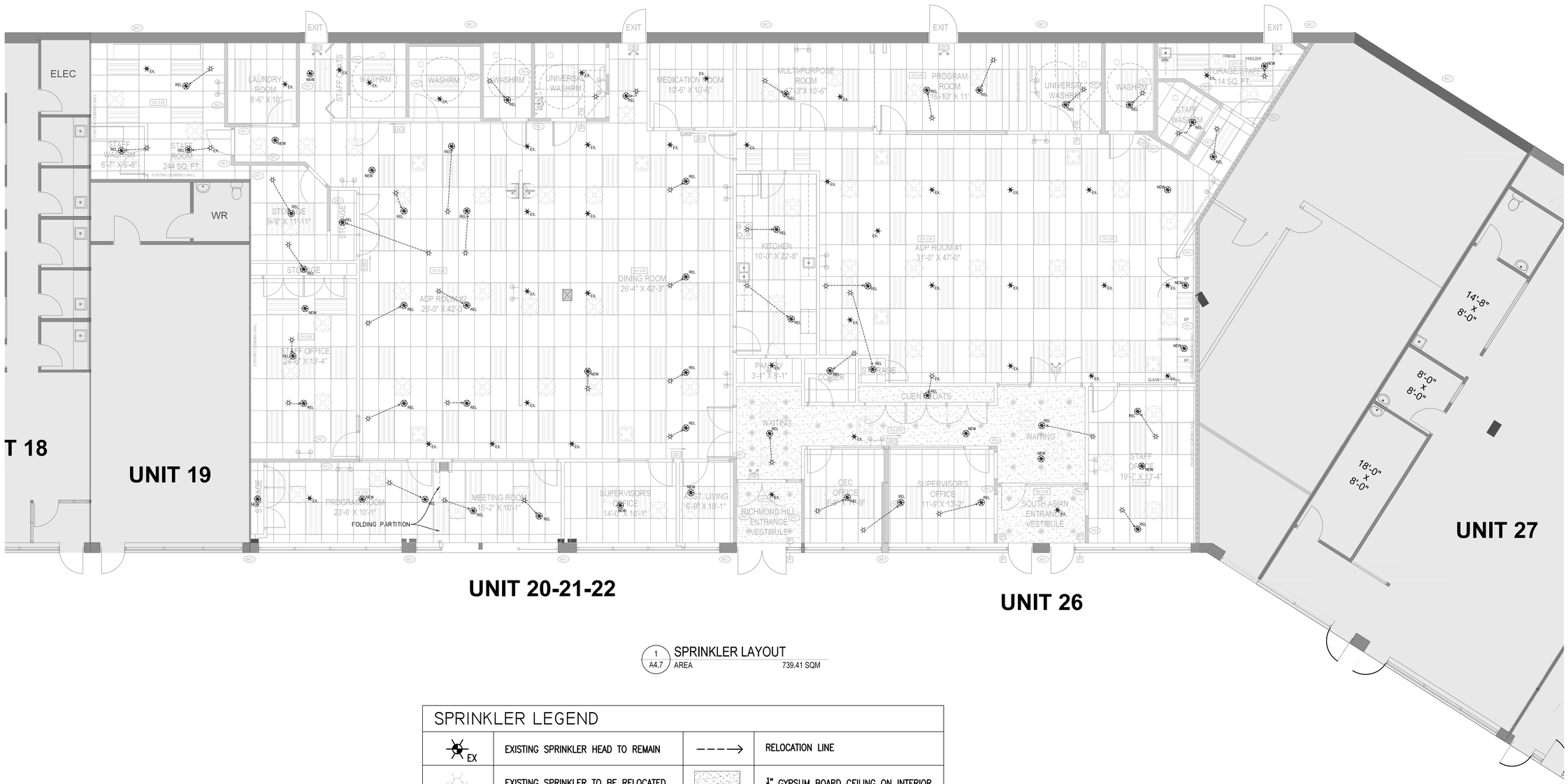
ALL DRAWINGS ARE THE PROPERTY OF KALGREENS ARCHITECTS AND THEY ARE NOT TO BE REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT FROM KALGREENS ARCHITECTS INC.

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	------	----/--/--

DRAWN TN | MNGR. KBK | DRAWING NO HV-03
PLOTTED DATE OCT 02, 2026
SCALE @24"X36" NTS
CHECKED KYLE KHADRA



1 / A4.7 SPRINKLER LAYOUT

AREA 739.41 SQM

SPRINKLER LEGEND

EX	EXISTING SPRINKLER HEAD TO REMAIN	----→	RELOCATION LINE
	EXISTING SPRINKLER TO BE RELOCATED		½" GYPSUM BOARD CEILING ON INTERIOR
REL	RELOCATED SPRINKLER HEAD FROM EXISTING LOCATION		2x4 SUSPENDED ACOUSTICAL CEILING
NEW	NEW SPRINKLER HEAD		

DESIGNER'S STAMP

LICENSED PROFESSIONAL ENGINEER
N. U. KHAN
100046833
OCT 27, 2026
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
T: 1 (855)-585-8008
KBK@KALGREENS.COM
84 - 80 BRAMHAM ST.,
ETOBICOKE, ON, M8V 3W6

PROJECT ADDRESS
9325 YONGE STREET
RICHMOND HILL, ON

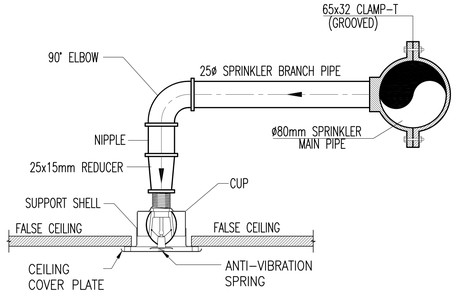
DRAWING
SPRINKLER LAYOUT

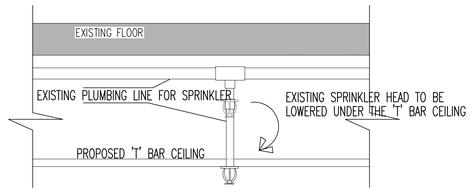
DRAWN	MNGR.	DRAWING NO.
TN	KBK	SP-01

PLOTTED DATE
OCT. 26, 2026

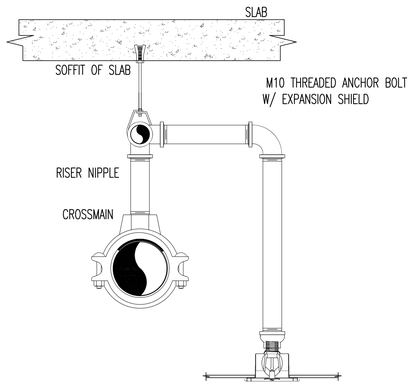
SCALE
1 : 75
24"X36"

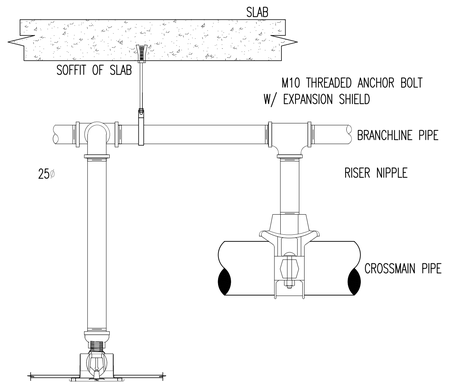
CHECKED
KYLE KHADRA





ALL EXISTING SPRINKLER HEAD TO BE
LOWERED UNDER THE 'T' BAR CEILING





SPRINKLER REQUIREMENTS

GENERAL MECHANICAL

1. SUPPLY AND INSTALL ALL MATERIALS AND EQUIPMENT AS SHOWN ON DRAWINGS FOR THE SATISFACTORY COMPLETION OF THE MECHANICAL WORK. ALL EQUIPMENT MUST BE OPERATIONAL, TESTED AND BALANCED TO SATISFACTION OF ENGINEER. CONFORM TO ALL APPLICABLE REQUIREMENTS AND CONDITIONS AS SET OUT IN THE GENERAL CONDITIONS OF THE CONTRACT.
2. THE CONTRACTOR SHALL SUBMIT A LUMP SUM PRICE BASED ON THE DRAWING(S). IF THE CONTRACTOR CHOOSES TO USE ALTERNATIVE MATERIALS AND EQUIPMENT, THE BID MUST INCLUDE NAME OF THE ALTERNATIVE MANUFACTURER AND ANY ADJUSTMENT IN PRICE.
3. BEFORE BIDDING, THE CONTRACTOR MUST VISIT SITE. THE CONTRACTOR IS RESPONSIBLE TO BE FAMILIAR WITH THE BUILDING CONSTRUCTION SO THAT THE BID INCLUDES ALL THAT IS NECESSARY FOR THE COMPLETION OF THE WORK.
4. ALL WORK MUST CONFORM TO THE MINIMUM REQUIREMENTS OR BETTER OF THE ONTARIO BUILDING CODE, LOCAL BYLAWS AND TO THE SATISFACTION OF LOCAL INSPECTION AUTHORITIES HAVING JURISDICTION.
5. OBTAIN PERMITS, PAY FEES AND FURNISH CERTIFICATES AS EVIDENCE THAT THE WORK INSTALLED CONFORMS WITH THE LAWS AND REGULATIONS OF ALL GOVERNING AUTHORITIES HAVING JURISDICTION.
6. THIS CONTRACTOR SHALL STUDY THE DRAWINGS AND SPECIFICATIONS AND SHALL REPORT ANY ERRORS, INCONSISTENCIES OR OMISSIONS TO ENGINEER. DO NOT PROCEED IN UNCERTAINTY.
7. CUTTING AND PATCHING: INCLUDE CUTTING AND PATCHING AS REQUIRED FOR COMPLETION OF WORK. FINAL FLOOR/WALL/CEILING FINISHES BY OTHERS.
8. SLEEVES & ACCESS DOORS: PROVIDE SLEEVES AND ACCESS DOORS FOR THE INSTALLATION AND SERVICING OF ALL CONCEALED MECHANICAL EQUIPMENT.
9. WARRANTEE: THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR BEGINNING WITH THE DATE OF FINAL ACCEPTANCE BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE DURING THE DESIGN, INSTALLATION, TESTING AND GUARANTEE PERIOD FOR ANY DEFECTS IN HIS (OR HIS SUB-CONTRACTOR'S) WORK, MATERIALS OR EQUIPMENT.

SPRINKLERS

1. SPRINKLER CONTRACTOR TO REWORK EXISTING SPRINKLER HEADS AND PIPING AS REQUIRED TO ACCOMODATE NEW PARTITIONING AND CEILINGS. PROVIDE NEW MATERIALS TO SUIT. ALL SPRINKLER WORK MUST BE IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13, BUILDING CODE AND TO THE SATISFACTION OF LOCAL AUTHORITIES HAVING JURISDICTION. COORDINATE ON SITE.
2. SPRINKLER SYSTEM PIPING SHALL MEET THE REQUIREMENTS OF NFPA 13. CONTRACTOR SHALL BASE HIS BID ON THE FOLLOWING:
   a) SCHEDULE 10 PIPE MEETING ASTM A135 OR ASTM A795 FOR PIPE 2-1/2" AND LARGER.
   b) SCHEDULE 40 PIPE MEETING ASTM A53 REQUIREMENTS FOR PIPE 2" AND SMALLER.
3. HANGERS: CONFORM TO NFPA 13.

TESTING

1. CONDUCT FINAL TESTS AND INSPECTIONS REQUIRED BY THE REFERENCED CODES AND STANDARDS.
2. TEST SPRINKLER SYSTEMS AND EQUIPMENT, AS A MINIMUM, TO OPERATIONAL TESTS AS FOLLOWS:
   2.1. HYDROSTATICALLY TEST SYSTEMS, INCLUDING WATER SUPPLY CONNECTIONS AND FIRE DEPARTMENT CONNECTIONS, AT 200 PSI FOR TWO (2) HOURS WITHOUT PRESSURE LOSS.
   2.2. DURING TESTS, STOP ANY LEAKS AND REMOVE AND REPAIR ANY DEFECTIVE PART. REPEAT TEST UNTIL SATISFACTORY RESULTS ARE OBTAINED. SODIUM SILICATE SHOULD NOT BE USED TO SEAL LEAKS OR AT ANY OTHER TIME.
   2.3. THE INSTALLATION OF THIS SYSTEM WILL REQUIRE THE CLOSING OF ONE (1) OR MORE OF THE BUILDING VALVES. THE IMPAIRMENT SHOULD BE COORDINATED WITH THE CLIENT.
3. THE OWNER'S, AUTHORITIES HAVING JURISDICTION AND REPRESENTATIVES WILL WITNESS THE FINAL ACCEPTANCE TESTS WHEN HE/SHE HAS BEEN ADVISED BY THE CONTRACTOR THAT THE WORK IS COMPLETED AND READY FOR TESTING. THIS WILL OCCUR AFTER THE SATISFACTORY COMPLETION AND SUBMITTAL OF THE CONTRACTOR'S MATERIAL AND TEST CERTIFICATE.
4. PROVIDE AT LEAST FIVE (5) WORKING DAYS NOTICE FOR TESTS.

AS-BUILT DRAWINGS

1. SPRINKLER CONTRACTOR IS RESPONSIBLE TO PROVIDE RED LINED AS-BUILT DRAWINGS TO OWNER.

SPRINKLER NOTES

1. REPLACE EXISTING UPRIGHT SPRINKLER HEADS WITH NEW 5.6 K FACTOR, 155°F PENDANT SPRINKLER HEADS.
2. NEW PENDANT SPRINKLER HEADS SHALL BE INSTALLED ON 1" DIAMETER RETURN BENDS.
3. MAXIMUM SPRINKLER HEAD COVERAGE 130 SQ. FEET.

DESIGNER'S STAMP

LICENSED PROFESSIONAL ENGINEER
N. U. KHAN
100046833
OCT 27, 2026
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

T: 1 (855)-585-8008
KBK@KALGREENS.COM
84 - 80 BRAMSHAM ST.,
ETOBICOKE, ON, M8V 3W6

PROJECT ADDRESS
9325 YONGE STREET
RICHMOND HILL, ON

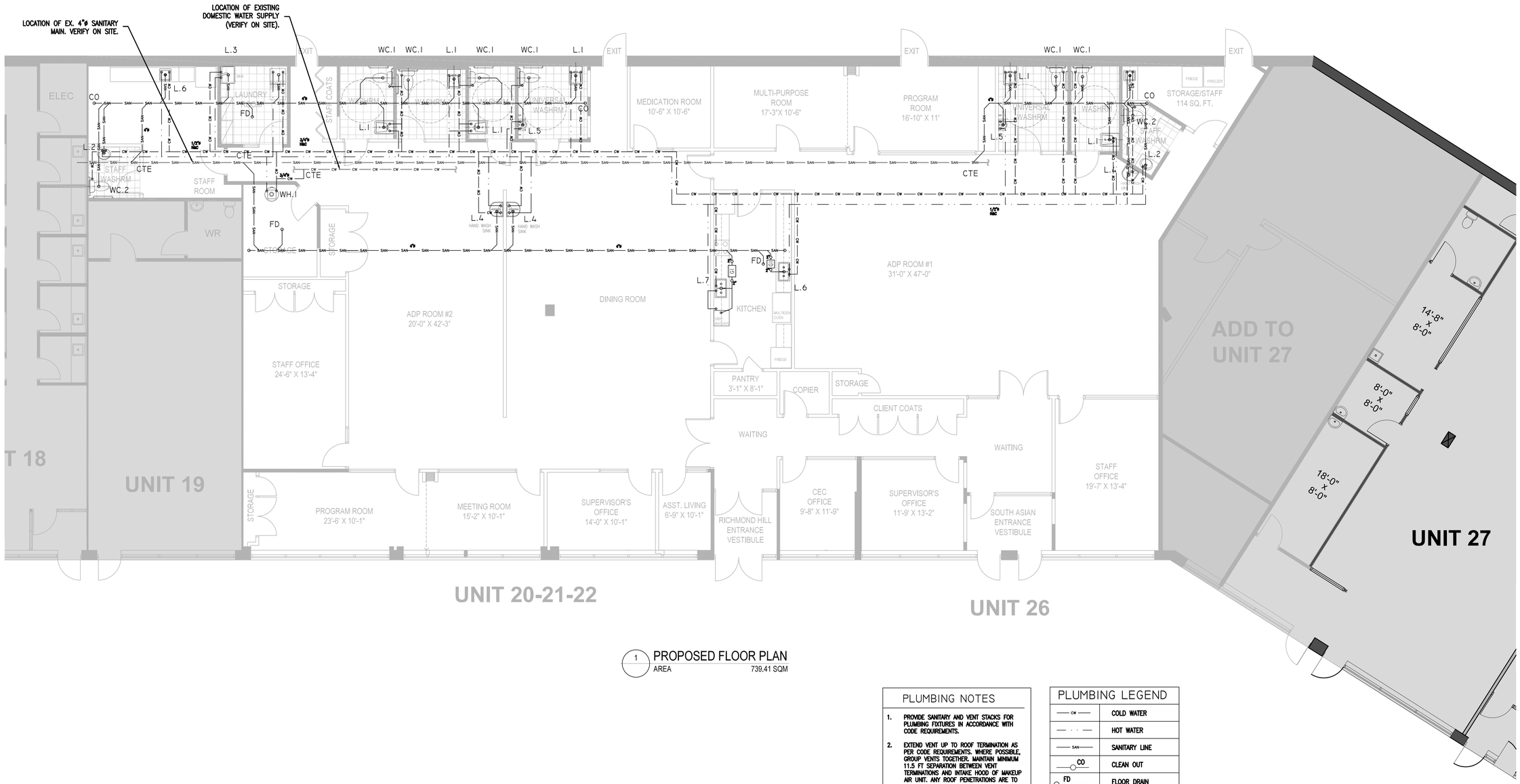
DRAWING
SPRINKLER DETAILS

DRAWN	MNGR.	DRAWING NO
TN	KBK	SP-02

PLOTTED DATE
OCT 26, 2026

SCALE
NTS
@24"X36"

CHECKED
KYLE KHADRA



1 PROPOSED FLOOR PLAN

AREA 739.41 SQM

PLUMBING NOTES

1. PROVIDE SANITARY AND VENT STACKS FOR PLUMBING FIXTURES IN ACCORDANCE WITH CODE REQUIREMENTS.
2. EXTEND VENT UP TO ROOF TERMINATION AS PER CODE REQUIREMENTS. WHERE POSSIBLE, GROUP VENTS TOGETHER. MAINTAIN MINIMUM 11.5 FT SEPARATION BETWEEN VENT TERMINATIONS AND INTAKE HOOD OF MAKEUP AIR UNIT. ANY ROOF PENETRATIONS ARE TO BE BY LANDLORD APPROVED ROOFING CONTRACTOR. INCLUDE ALL COSTS.
3. HUB DRAINS ARE TO BE PRIMED AS PER PLUMBING CODE.

PLUMBING LEGEND

—— CW ——	COLD WATER
— · · —	HOT WATER
—— SAN ——	SANITARY LINE
CO	CLEAN OUT
FD	FLOOR DRAIN
CTE	CONNECT TO EXISTING

DESIGNER'S STAMP

LICENSED 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
T: 1 (855)-585-8008
KBK@KALGREENS.COM
84 - 80 BIRMINGHAM ST.,
ETOBICOKE, ON, M8V 3W6

PROJECT ADDRESS
9325 YONGE STREET
RICHMOND HILL, ON

DRAWING
PLUMBING FLOOR PLAN

DRAWN TN	MNGR. KBK	DRAWING NO
PLOTTED DATE OCT 02, 2026		PL-01
SCALE @24"X36"		
CHECKED KYLE KHADRA		

PLUMBING REQUIREMENTS

GENERAL MECHANICAL

1. SUPPLY AND INSTALL ALL MATERIALS AND EQUIPMENT AS SHOWN ON DRAWINGS FOR THE SATISFACTORY COMPLETION OF THE MECHANICAL WORK. ALL EQUIPMENT MUST BE OPERATIONAL, TESTED AND BALANCED TO SATISFACTION OF ENGINEER. CONFORM TO ALL APPLICABLE REQUIREMENTS AND CONDITIONS AS SET OUT IN THE GENERAL CONDITIONS OF THE CONTRACT.
2. THE CONTRACTOR SHALL SUBMIT A LUMP SUM PRICE BASED ON THE DRAWING(S). IF THE CONTRACTOR CHOOSES TO USE ALTERNATIVE MATERIALS AND EQUIPMENT, THE BID MUST INCLUDE NAME OF THE ALTERNATIVE MANUFACTURER AND ANY ADJUSTMENT IN PRICE.
3. BEFORE BIDDING, THE CONTRACTOR MUST VISIT SITE. THE CONTRACTOR IS RESPONSIBLE TO BE FAMILIAR WITH THE BUILDING CONSTRUCTION SO THAT THE BID INCLUDES ALL THAT IS NECESSARY FOR THE COMPLETION OF THE WORK.
4. ALL WORK MUST CONFORM TO THE MINIMUM REQUIREMENTS OR BETTER OF THE ONTARIO BUILDING CODE, LOCAL BYLAWS AND TO THE SATISFACTION OF LOCAL INSPECTION AUTHORITIES HAVING JURISDICTION.
5. OBTAIN PERMITS, PAY FEES AND FURNISH CERTIFICATES AS EVIDENCE THAT THE WORK INSTALLED CONFORMS WITH THE LAWS AND REGULATIONS OF ALL GOVERNING AUTHORITIES HAVING JURISDICTION.
6. THIS CONTRACTOR SHALL STUDY THE DRAWINGS AND SPECIFICATIONS AND SHALL REPORT ANY ERRORS, INCONSISTENCIES OR OMISSIONS TO ENGINEER. DO NOT PROCEED IN UNCERTAINTY.
7. CUTTING AND PATCHING: INCLUDE CUTTING AND PATCHING AS REQUIRED FOR COMPLETION OF WORK. FINAL FLOOR/WALL/CEILING FINISHES BY OTHERS.
8. EXCAVATING & BACKFILL: PROVIDE EXCAVATION AND BACKFILL AS REQUIRED FOR THE INSTALLATION OF UNDERGROUND PIPING.
9. SLEEVES & ACCESS DOORS: PROVIDE SLEEVES AND ACCESS DOORS FOR THE INSTALLATION AND SERVICING OF ALL CONCEALED MECHANICAL EQUIPMENT.
10. ROOF CURB & OPENINGS: MECHANICAL CONTRACTOR SHALL SUPPLY ALL ROOF FLASHINGS, CURBS, STRUCTURAL SUPPORTS FOR ROOF OPENINGS AND COUNTER FLASHING FOR MECHANICAL EQUIPMENT AS REQUIRED FOR COMPLETION OF WORK.
11. WORK BY OTHERS: GENERAL CONTRACTOR TO PROVIDE BULK HEADS, FURRED IN SPACES, CONCRETE PADS ETC. UNLESS NOTED OTHERWISE.
12. WARRANTEE: ALL MECHANICAL WORK AND EQUIPMENT TO BE WARRANTED AGAINST DEFECTS OF MATERIAL AND WORKMANSHIP FOR ONE FULL YEAR FROM DATE OF FINAL ACCEPTANCE.

PLUMBING AND DRAINAGE

1. DOMESTIC WATER PIPING: ALL PIPING SHALL BE COPPER, PEX OR CPVC CONFORMING TO THE ONTARIO BUILDING CODE.
2. DRAIN/WASTE/VENT (DWV) PIPING: ALL SANITARY AND VENT PIPING SHALL CONFORM TO THE ONTARIO BUILDING CODE. USE PLASTIC (ABS OR PVC) PIPE AND FITTINGS WHERE PERMISSIBLE BY BUILDING CODE.
3. ALL PIPING, FITTINGS AND VALVES INSTALLED IN A CEILING RETURN AIR PLENUM MUST HAVE A FLAME SPREAD OF 25 OR LESS AND A SMOKE DEVELOPMENT OF 50 OR LESS. WATER LINES IN RETURN AIR PLENUM TO BE: COPPER, IPEX AQUARISE CPVC, OR FLOWGUARD GOLD CPVC. PEX WATER LINES WILL NOT BE ACCEPTED IN RETURN AIR PLENUMS. DWV PIPING IN RETURN AIR PLENUM TO BE: COPPER, CAST IRON OR IPEX XFR PLENUM RATED PVC.
4. PIPE INSULATION: COPPER DOMESTIC HOT AND COLD WATER PIPING TO BE INSULATED WITH 1/2" PREFORMED PIPE INSULATION. HORIZONTAL STORM PIPES AND STORM DRAIN SYSTEMS USING CAST IRON PIPE AND FITTINGS SHALL BE COVERED WITH VAPOUR SEAL INSULATION.
5. FLOOR DRAIN: CAST IRON BODY, ADJ. STRAINER COLLAR, TRAP PRIMER, TRAP. WATTS FD-200-A-7 OR EQUAL.
6. CLEANOUT: CAST IRON BODY, ADJ. COLLAR, ABS PLUG WITH NEOPRENE GASKET, COVER TO SUIT FLOOR FINISH. WATTS CO-200-R OR EQUAL. SANITARY AND STORM STACKS, WATTS CO-460 OR EQUAL.

TESTING

1. PLUMBING SYSTEMS ARE TO BE TESTED TO SATISFACTION OF LOCAL AUTHORITIES HAVING JURISDICTION.

MISCELLANEOUS

1. FIRESTOP ALL PLUMBING PENETRATIONS THROUGH FIRE RATED WALL, FLOOR AND ROOF ASSEMBLIES TO SATISFACTION OF AUTHORITIES HAVING JURISDICTION.
2. COORDINATE ROUTING ON SITE AND WITH GENERAL CONTRACTOR.
3. ROUTE TO NEAREST SANITARY AND TERMINATE WITH INDIRECT CONNECTION.
4. VENT PLUMBING FIXTURES AS PER CODE REQUIREMENTS. GROUP VENTING TOGETHER AND EXTEND OVER TO CONNECT TO EXISTING VENT THROUGH ROOF TERMINATION. COORDINATE ON SITE. INCLUDE ALL ROOFING COSTS ASSOCIATED WITH NEW MECHANICAL EQUIPMENT.

AS-BUILT DRAWINGS

1. MECHANICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE RED LINED AS BUILT DRAWINGS TO OWNER.

SUBMITTALS

1. SHOP DRAWINGS: CONTRACTOR SHALL FORWARD SHOP DRAWINGS (3 COPIES) OF EQUIPMENT AND FIXTURES. EMAILED SHOP DRAWINGS WILL BE ACCEPTED.
2. OPERATION & MAINTENANCE MANUALS: CONTRACTOR SHALL SUPPLY TO THE OWNER 3 COPIES OF OPERATION AND MAINTENANCE MANUALS FOR ALL MECHANICAL EQUIPMENT.

PLUMBING EQUIPMENT LIST

SYMBOL	UNIT	MANUFACTURER	CW	HW	DR	V	REMARKS
WC.1	WATER CLOSET BARRIER FREE	AM. STD. CADET 3 2386-500 (WHITE) ELONGATED BOWL, RIGHT HEIGHT, INSULATED TANK, WHITE OPEN FRONT SEAT LESS COVER, SUPPLY WITH STOP	1/2"		3"	1 1/2"	6 LITRES/FLUSH INSTALL AS PER HANDICAP REQUIREMENTS.
L.1	WALL LAV BARRIER FREE	AM. STD. MURRO 0954-000 WHITE, DELTA 501-WFHDF, OPEN GRID STRAINER, TRAP, SUPPLIES WITH STOPS, WALL CARRIER	1/2"	1/2"	1 1/4"	1 1/4"	C/W FLOW RESTRICTOR TO O.B.C. REQUIREMENTS. INSTALL AS PER HANDICAP REQUIREMENTS. INSULATE EXPOSED HW AND DRAIN LINES WITH TRUEBRO LAV GUARD 2 UNDERSINK PIPE COVERS
WC.2	WATER CLOSET	AM. STD. CADET 3 (WHITE) ELONGATED BOWL, RIGHT HEIGHT, INSULATED TANK, WHITE OPEN FRONT SEAT LESS COVER, SUPPLY WITH STOP	1/2"		3"	1 1/2"	6 LITRES/FLUSH
L.2	WALL LAV	AM. STD. MURRO WHITE, DELTA 501-WFHDF, OPEN GRID STRAINER, TRAP, SUPPLIES WITH STOPS, WALL CARRIER	1/2"	1/2"	1 1/4"	1 1/4"	C/W FLOW RESTRICTOR TO O.B.C. REQUIREMENTS. INSULATE EXPOSED HW AND DRAIN LINES WITH TRUEBRO LAV GUARD 2 UNDERSINK PIPE COVERS
L.3	LAUNDRY SINK	TO BE SELECTED BY OWNER.	1/2"	1/2"	1 1/2"	1 1/2"	C/W FLOW RESTRICTOR, VACUUM BREAKER TO O.B.C. REQUIREMENTS. INSULATE EXPOSED HW AND DRAIN LINES WITH TRUEBRO LAV GUARD 2 UNDERSINK PIPE COVERS
L.4	HAND SINK	TO BE SELECTED BY OWNER.	1/2"	1/2"	1 1/4"	1 1/4"	C/W FLOW RESTRICTOR TO O.B.C. REQUIREMENTS. INSULATE EXPOSED HW AND DRAIN LINES WITH TRUEBRO LAV GUARD 2 UNDERSINK PIPE COVERS
L.5	HAND SINK	TO BE SELECTED BY OWNER.	1/2"	1/2"	1 1/4"	1 1/4"	C/W FLOW RESTRICTOR TO O.B.C. REQUIREMENTS. INSULATE EXPOSED HW AND DRAIN LINES WITH TRUEBRO LAV GUARD 2 UNDERSINK PIPE COVERS
L.6	HAND SINK	STAILESS STEEL. TO BE SELECTED BY OWNER.	1/2"	1/2"	1 1/4"	1 1/4"	C/W FLOW RESTRICTOR TO O.B.C. REQUIREMENTS. INSULATE EXPOSED HW AND DRAIN LINES WITH TRUEBRO LAV GUARD 2 UNDERSINK PIPE COVERS
L.7	DOUBLE SINK	STAINLESS STEEL. TO BE SELECTED BY OWNER. ROUTE SANITARY THROUGH GREASE INTERCEPTOR	1/2"	1/2"	2"	1 1/2"	C/W FLOW RESTRICTOR TO O.B.C. REQUIREMENTS. INSULATE EXPOSED HW AND DRAIN LINES WITH TRUEBRO LAV GUARD 2 UNDERSINK PIPE COVERS TWO COMPARTMENT ESTIMATED CAPACITY 2x19"x18"x14"x0.75/231 = 31.1 GALLONS
WH.1	WATER HEATER	A.O. SMITH, GOLD SERIES DRE 80 USG, 18 KW AT 208.3.60	3/4"	3/4"			PROVIDE THERMOSTATIC MIXING VALVE, T&P RELIEF VALVE, THERMAL EXPANSION TANK, ISOLATION VALVES AND ALL ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL INSTALLATION. INSTALL AS PER CODE & MANUF. REQ'TS.
FD	FLOOR DRAIN				3"	1 1/2"	C/W P TRAP TO O.B.C. REQUIREMENTS.
DW	DISH WASHER	HOBART CANADA, STERO SU - SERIES - Model: SUH 130273 WATER CONSUMPTION 0.78 US GAL/RACK. 31 RACKS/HR Max. ROUTE SANITARY THROUGH GREASE INTERCEPTOR		1/2"	1 1/2"	1 1/2"	1/2" SUPPLY ACCEPTABLE, 3/4" SUPPLY RECOMMENDED PROVIDE 208V, 40amp ELECTRIC CONNECTION DISHWASHER ESTIMATED FLOW 0.78 GPM/RACK x 31 RACKS/HR x 0.5 = 12.1 GALLONS
GI.1	GREASE INTERCEPTOR	CANPLAS ENDURA XT25 GREASE INTERCEPTOR, MODEL 3925XTA02 (OR APPROVED EQUIVALENT), FULLY RECESSED, 25 US GPM FLOW RATE, MINIMUM 50 LB GREASE CAPACITY, CSA B481.1 CERTIFIED, COMPLETE WITH EXTERNAL FLOW CONTROL AND AIR INTAKE. Q = 31.1 (SINK)+12.1 (DISHWASHER) = 43.2 US GAL. (@75%)/2 MINUTE = 16.2 GPM DRAIN DOWN TIME			2"		PROVIDE CSA B481.1 COMPLIANT GREASE INTERCEPTOR, 25 GPM, SERVING THE COMMERCIAL DISHWASHER AND DOUBLE-COMPARTMENT KITCHEN SINK. C/W NON-SKID COVER, VENT WASTE IN ACCORDANCE WITH CODE REQUIREMENTS. INSTALL AS REQ'D BY CODE. PROVIDE CLEANOUT IMMEDIATELY DOWNSTREAM OF INTERCEPTOR. DIMENSIONS: 28"X19"X17.5"D
CW	CLOTH WASHER	TO BE SELECTED BY OWNER.	1/2"	1/2"	2"	1 1/2"	C/W P TRAP TO O.B.C. REQUIREMENTS.

DESIGNER'S STAMP

LICENSED 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	-------	----/---/--

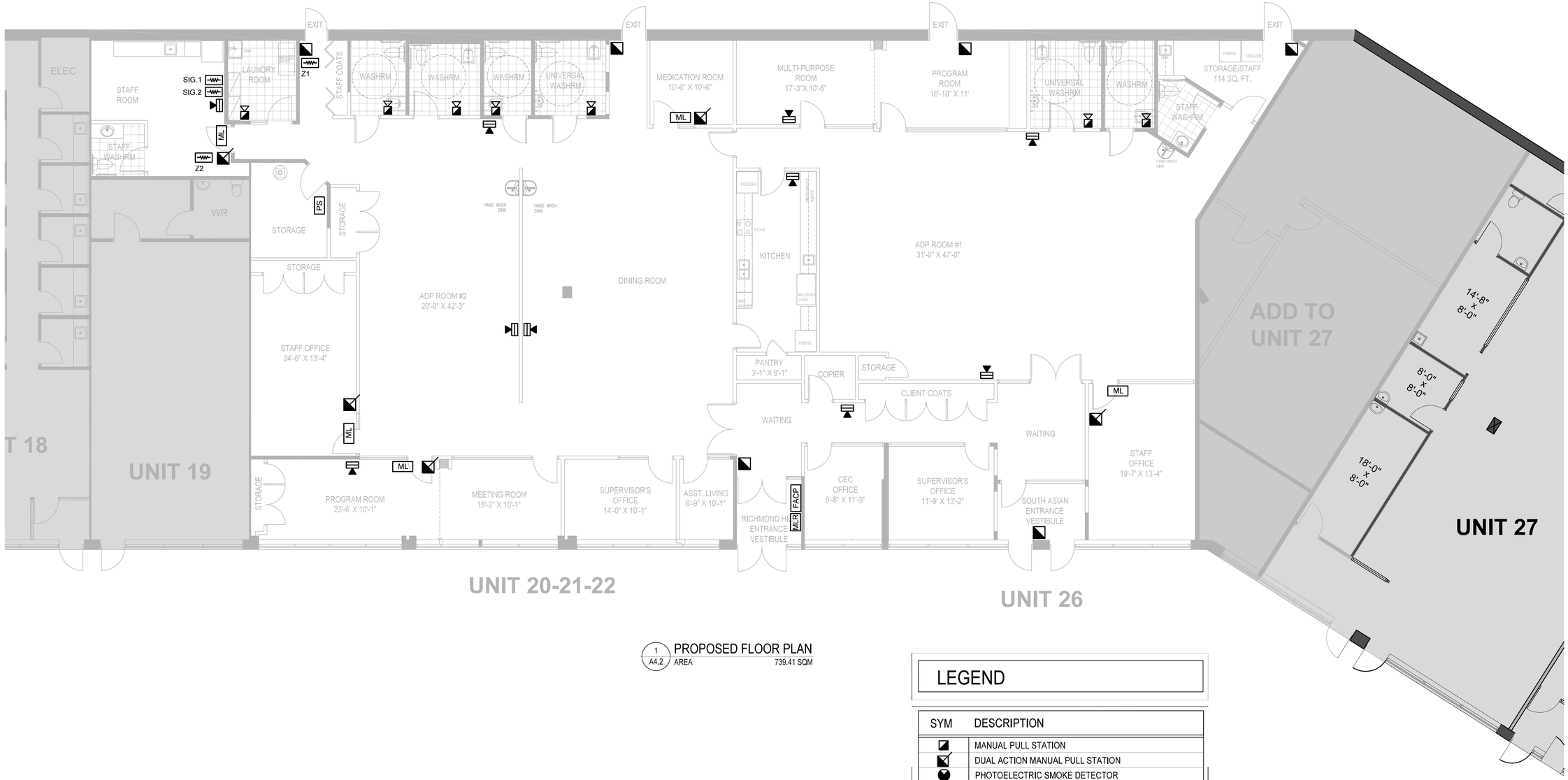
KALGREENS
ARCHITECTS INC
T: 1 (855)-585-8008
KBK@KALGREENS.COM
84-80 BIRMINGHAM ST.,
ETOBICOKE, ON, M8V 3W6

PROJECT ADDRESS
9325 YONGE STREET
RICHMOND HILL, ON

DRAWING
PLUMBING NOTES

DRAWN TIN | MNGR. KBK
PLOTTED DATE OCT 02, 2026
SCALE @24"X36"
CHECKED KYLE KHADRA

DRAWING NO
PL-02



1 / A4.2 PROPOSED FLOOR PLAN

AREA 739.41 SQM

LEGEND

SYM	DESCRIPTION
	MANUAL PULL STATION
	DUAL ACTION MANUAL PULL STATION
	PHOTOELECTRIC SMOKE DETECTOR
	57 °C FIXED TEMPERATURE HEAT DETECTOR
FACP	FIRE ALARM CONTROL PANEL
	FIRE ALARM STROBE
	COMBINATION FIRE ALARM HORN/STROBE
	END OF LINE DEVICE
ML	ELCTROMAGNETIC LOCKING DEVICE (MAG LOCK)
PS	MAG LOCK POWER SUPPLY
MLR	MAG LOCK RELEASING KEY
	MAG LOCK RELEASING PUSH BUTTON

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
T: 1 (855)-585-8008
KBK@KALGREENS.COM
84-80 BRAMPTON ST.,
ETOBICOKE, ON, M8V 3W6

PROJECT ADDRESS
9325 YONGE STREET
RICHMOND HILL, ON

DRAWING
FIRE ALARM SYSTEM FLOOR PLAN

DRAWN	MNGR.	DRAWING NO.
TIN	KBK	FA-01

PLOTTED DATE
AUG 27, 2026

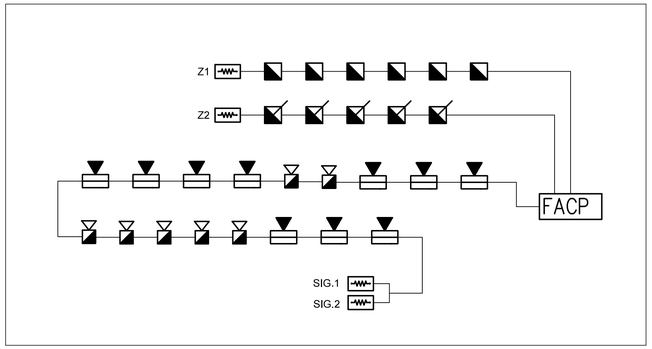
SCALE 24"x36"

CHECKED
KYLE KHADRA

FIRE ALARM GENERAL SPECIFICATIONS AND NOTES

1. FIRE ALARM CONTROL PANEL: SUPPLY AND INSTALL A MIRCOM FA–300 SERIES CONVENTIONAL FIRE ALARM CONTROL PANEL, OR APPROVED EQUIVALENT, ULC LISTED, COMPLETE WITH POWER SUPPLY, BATTERIES, NOTIFICATION APPLIANCE CIRCUITS, MODULES AND ALL ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. PROVIDE COMPATIBLE INITIATING AND NOTIFICATION DEVICES THAT ARE LISTED FOR USE WITH, AND APPROVED BY, THE FIRE ALARM CONTROL PANEL MANUFACTURER. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS, CAN/ULC–S524 AND ALL APPLICABLE CODES AND STANDARDS.
2. SUPPLY AND INSTALL ALL MATERIALS, EQUIPMENT AND ACCESSORIES SHOWN ON THE DRAWINGS AND REQUIRED FOR THE SATISFACTORY COMPLETION OF THE FIRE ALARM WORK. ALL EQUIPMENT SHALL BE FULLY OPERATIONAL, TESTED AND VERIFIED TO THE SATISFACTION OF THE ENGINEER. COMPLY WITH ALL APPLICABLE REQUIREMENTS AND CONDITIONS OF THE CONTRACT.
3. THE CONTRACTOR SHALL SUBMIT A LUMP–SUM PRICE BASED ON THE DRAWINGS AND SPECIFICATIONS. WHERE ALTERNATIVE MATERIALS OR EQUIPMENT ARE PROPOSED, THE BID SHALL CLEARLY IDENTIFY THE PROPOSED MANUFACTURER AND MODEL, TOGETHER WITH ANY COST ADJUSTMENT FROM THE SPECIFIED SYSTEM.
4. PRIOR TO BIDDING, THE CONTRACTOR SHALL VISIT AND INSPECT THE SITE AND BECOME FAMILIAR WITH EXISTING BUILDING CONSTRUCTION, CONDITIONS AND SITE CONSTRAINTS. THE CONTRACTOR SHALL INCLUDE ALL LABOUR, MATERIALS, EQUIPMENT AND WORK NECESSARY FOR A COMPLETE INSTALLATION.
5. ALL WORK SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF THE ONTARIO BUILDING CODE, ONTARIO FIRE CODE, CAN/ULC STANDARDS, CANADIAN ELECTRICAL CODE, APPLICABLE LOCAL BY–LAWS, AND THE REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION (AHJ).
6. OBTAIN ALL REQUIRED PERMITS AND APPROVALS, PAY ALL APPLICABLE FEES, AND FURNISH CERTIFICATES AND DOCUMENTATION CONFIRMING THAT THE COMPLETED INSTALLATION COMPLIES WITH THE REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION.
7. THE CONTRACTOR SHALL CAREFULLY REVIEW THE DRAWINGS AND SPECIFICATIONS AND SHALL PROMPTLY REPORT ANY ERRORS, INCONSISTENCIES OR OMISSIONS TO THE ENGINEER PRIOR TO PROCEEDING WITH THE AFFECTED WORK. DO NOT PROCEED WHERE CONDITIONS OR REQUIREMENTS ARE UNCLEAR.
8. CUTTING AND PATCHING: INCLUDE ALL CUTTING, CORING, DRILLING AND PATCHING REQUIRED FOR THE COMPLETE INSTALLATION OF THE FIRE ALARM SYSTEM. FINAL ARCHITECTURAL FINISHES TO MATCH EXISTING CONDITIONS SHALL BE BY OTHERS UNLESS SPECIFICALLY INDICATED OTHERWISE.
9. WARRANTY: THE CONTRACTOR SHALL WARRANT ALL MATERIALS, EQUIPMENT AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING, AT NO ADDITIONAL COST TO THE OWNER, DEFECTS ATTRIBUTABLE TO THE CONTRACTOR'S OR SUBCONTRACTOR'S WORK, MATERIALS OR EQUIPMENT DURING THE WARRANTY PERIOD.
10. COORDINATE ALL CONDUIT ROUTING AND INSTALLATION WITH THE OWNER AND OTHER TRADES PRIOR TO INSTALLATION. CONCEAL CONDUITS WHERE INDICATED OR WHERE PRACTICAL.
11. SHOP DRAWINGS: SUBMIT SHOP DRAWINGS FOR THE FIRE ALARM CONTROL PANEL, INITIATING DEVICES, NOTIFICATION APPLIANCES, MODULES AND ASSOCIATED EQUIPMENT TO THE OWNER/ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR INSTALLATION. SHOP DRAWINGS SHALL INCLUDE PRODUCT DATA, SYSTEM CONFIGURATION, BATTERY CALCULATIONS, NAC LOADING AND VOLTAGE–DROP CALCULATIONS, AS APPLICABLE.
12. OPERATION AND MAINTENANCE MANUALS: UPON COMPLETION, PROVIDE THE OWNER WITH TWO (2) COPIES OF OPERATION AND MAINTENANCE MANUALS FOR THE FIRE ALARM SYSTEM, INCLUDING THE CONTROL PANEL, DEVICES, MODULES AND ASSOCIATED EQUIPMENT.
13. THE FIRE ALARM SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH CAN/ULC–S524 AND SHALL BE TESTED AND VERIFIED IN ACCORDANCE WITH CAN/ULC–S537, USING THE EDITIONS ADOPTED BY THE AUTHORITY HAVING JURISDICTION.
14. THE FIRE ALARM CONTRACTOR SHALL PROVIDE RED–LINE AS–BUILT DRAWINGS SHOWING THE FINAL INSTALLED LOCATIONS, DEVICE IDENTIFICATION, CIRCUIT/ZONE CONNECTIONS AND ROUTING OF FIRE ALARM WIRING AND CONDUIT. SUBMIT AS–BUILT DRAWINGS TO THE ENGINEER/OWNER UPON COMPLETION OF THE WORK.
15. FIRE ALARM WIRING: PROVIDE ALL FIRE ALARM CIRCUIT WIRING USING FPLR (OR FPL WHERE PERMITTED) FIRE ALARM CABLE, WITH RED JACKET, SUITABLE FOR THE APPLICATION AND INSTALLED IN ACCORDANCE WITH THE ONTARIO ELECTRICAL SAFETY CODE (OESC), SECTION 32, CAN/ULC–S524, THE FIRE ALARM SYSTEM MANUFACTURER'S REQUIREMENTS AND ALL APPLICABLE CODES AND STANDARDS.
16. INITIATING DEVICE CIRCUITS (IDC) AND NOTIFICATION APPLIANCE CIRCUITS (NAC): PROVIDE CLASS B CIRCUITS UNLESS OTHERWISE INDICATED ON THE DRAWINGS OR REQUIRED BY THE APPROVED FIRE ALARM SYSTEM CONFIGURATION. INSTALL AND CONNECT ALL CIRCUITS IN ACCORDANCE WITH THE MIRCOM FA–300 MANUFACTURER'S APPROVED WIRING DIAGRAMS AND INSTALLATION REQUIREMENTS. PROVIDE THE REQUIRED END–OF–LINE (EOL) DEVICES AT THE ELECTRICALLY LAST DEVICE ON EACH CLASS B CIRCUIT.
17. WIRING SEPARATION: FIRE ALARM SYSTEM CONDUCTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE OESC SECTION 32 REQUIREMENTS FOR SEPARATION FROM OTHER CIRCUITS. PROVIDE SEPARATE RACEWAYS FOR FIRE ALARM CIRCUITS WHERE REQUIRED BY THE OESC, CAN/ULC–S524, OR THE AHJ. FIRE ALARM CONDUCTORS SHALL NOT BE INSTALLED IN THE SAME RACEWAY WITH POWER OR OTHER CIRCUITS EXCEPT WHERE SPECIFICALLY PERMITTED BY THE OESC.
18. CONDUCTOR SIZING AND VOLTAGE DROP: SIZE FIRE ALARM CIRCUIT CONDUCTORS IN ACCORDANCE WITH THE OESC, CAN/ULC–S524 AND THE FIRE ALARM SYSTEM MANUFACTURER'S REQUIREMENTS. NAC CONDUCTOR SIZES SHALL BE VERIFIED BY VOLTAGE–DROP CALCULATIONS BASED ON THE MAXIMUM CONNECTED NOTIFICATION APPLIANCE LOAD AND THE LONGEST CIRCUIT RUN. DO NOT ASSUME 18 AWG CONDUCTORS ARE ACCEPTABLE WITHOUT VERIFICATION. PROVIDE CONDUCTORS OF SUFFICIENT SIZE TO MAINTAIN THE MINIMUM OPERATING VOLTAGE REQUIRED AT THE MOST REMOTE NOTIFICATION APPLIANCE AND TO COMPLY WITH THE FIRE ALARM SYSTEM MANUFACTURER'S MAXIMUM CIRCUIT RESISTANCE REQUIREMENTS.
19. END–OF–LINE DEVICES: PROVIDE END–OF–LINE RESISTORS OR OTHER REQUIRED END–OF–LINE DEVICES OF THE **CORRECT TYPE AND VALUE SPECIFIED BY MIRCOM FOR EACH CLASS B CIRCUIT. EOL DEVICES SHALL BE INSTALLED AT THE ELECTRICALLY LAST DEVICE ON THE CIRCUIT AND IN ACCORDANCE WITH THE **MIRCOM FA–300 APPROVED WIRING DIAGRAMS.

RISER DIAGRAM



ALARM ZONES

Z#	DESCRIPTION
Z1	INITIATING DEVICES
Z2	MAGLOCK MANUAL PULL STATIONS

SIGNAL CIRCUITS

SIG #	DESCRIPTION
SIG. 1	HORNS
SIG. 2	STROBES

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
T: 1 (855)-585-8008
KBK@KALGREENS.COM
84 - 80 BIRMINGHAM ST.
ETOBICOKE, ON, M8V 3W6

PROJECT ADDRESS
9325 YONGE STREET
RICHMOND HILL, ON

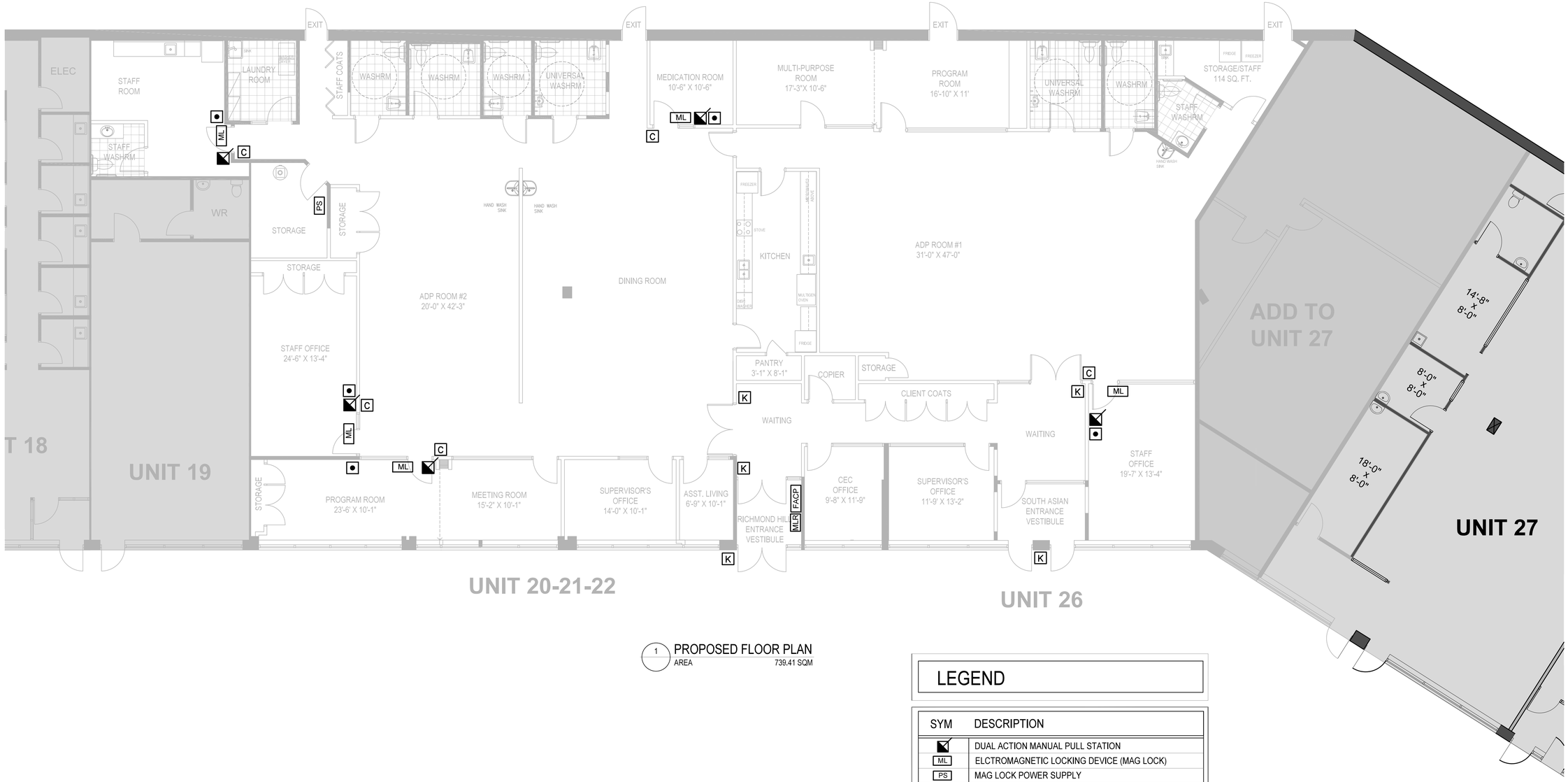
DRAWING
FIRE ALARM SYSTEM NOTES AND NOTES

DRAWN	MNGR.	DRAWING NO
TN	KBK	FA-02

PLOTTED DATE
AUG 27, 2026

SCALE
@24"X36"

CHECKED
KYLE KHADRA



1 PROPOSED FLOOR PLAN

AREA 739.41 SQM

LEGEND

SYM	DESCRIPTION
	DUAL ACTION MANUAL PULL STATION
ML	ELCTROMAGNETIC LOCKING DEVICE (MAG LOCK)
PS	MAG LOCK POWER SUPPLY
FACP	FIRE ALARM CONTROL PANEL
MLR	MAG LOCK RELEASING KEY
C	CARD READER
	MAG LOCK RELEASING PUSH BUTTON
K	KEY PAD LOCK
	END OF LINE DEVICE

DESIGNER'S STAMP

LICENSED 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
T: 1 (855)-585-8008
KBK@KALGREENS.COM
84-80 BIRMINGHAM ST.,
ETOBICOKE, ON, M8V 3W6

PROJECT ADDRESS
9325 YONGE STREET
RICHMOND HILL, ON

DRAWING
MAGLOCK FLOOR PLAN

DRAWN TN | MNGR. KBK

PLOTTED DATE AUG 27, 2026

SCALE @24"x36"

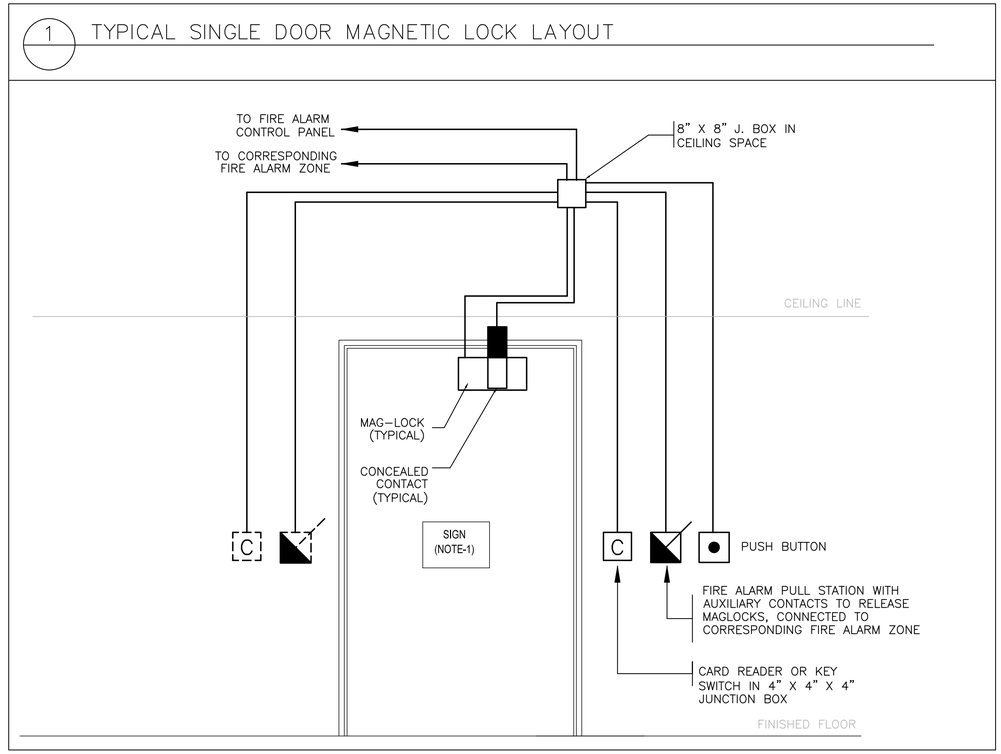
CHECKED KYLE KHADRA

DRAWING NO
ML-01

MAGNETIC LOCKING AND ACCESS CONTROL SPECIFICATIONS

1. MAGNETIC LOCKING DEVICES: ALL NEW FIRE ALARM DEVICES, ELECTROMAGNETIC LOCKING DEVICES, CONTROL MODULES, POWER SUPPLIES, AND ASSOCIATED INTERFACE EQUIPMENT SHALL BE CERTIFIED, LISTED, OR APPROVED FOR THE INTENDED APPLICATION AND SHALL BE COMPATIBLE WITH THE EXISTING BASE BUILDING FIRE ALARM SYSTEM. ELECTROMAGNETIC LOCKING DEVICES AND ASSOCIATED EQUIPMENT SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE, INCLUDING ARTICLE 3.4.6.16, THE ONTARIO ELECTRICAL SAFETY CODE, LATEST APPLICABLE EDITION, AND ALL OTHER APPLICABLE CODES AND STANDARDS.
2. FIRE ALARM MANUAL STATIONS: PROVIDE FIRE ALARM MANUAL STATIONS AT MAGLOCKED DOORS WHERE REQUIRED BY THE ONTARIO BUILDING CODE. WHERE REQUIRED BY OBC ARTICLE 3.4.6.16, THE MANUAL STATION SHALL BE LOCATED ON THE WALL WITHIN 600 MM OF THE MAGLOCKED DOOR AND SHALL CAUSE THE ELECTROMAGNETIC LOCKING DEVICE TO RELEASE IMMEDIATELY UPON OPERATION.
3. FIRE ALARM RELEASE: ELECTROMAGNETIC LOCKING DEVICES REQUIRED TO RELEASE BY THE FIRE ALARM SYSTEM SHALL RELEASE IMMEDIATELY UPON ACTIVATION OF THE APPLICABLE FIRE ALARM SIGNAL REQUIRED BY THE ONTARIO BUILDING CODE. FOR A TWO-STAGE FIRE ALARM SYSTEM, RELEASE SHALL OCCUR UPON THE ALERT SIGNAL, EXCEPT WHERE THE ONTARIO BUILDING CODE REQUIRES RELEASE UPON THE ALARM SIGNAL. FOR A SINGLE-STAGE FIRE ALARM SYSTEM, RELEASE SHALL OCCUR UPON THE ALARM SIGNAL.
4. MANUAL RELEASE: PROVIDE A MANUALLY OPERATED RELEASE SWITCH, READILY ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL, LOCATED NEAR THE MAIN ENTRANCE OF THE BUILDING OR IN THE CENTRAL ALARM AND CONTROL FACILITY, AS REQUIRED BY THE ONTARIO BUILDING CODE. OPERATION OF THIS SWITCH SHALL IMMEDIATELY RELEASE ALL ELECTROMAGNETIC LOCKING DEVICES CONTROLLED BY THE SYSTEM.
5. CIRCUIT FAULT RELEASE: ELECTROMAGNETIC LOCKING DEVICES SHALL RELEASE IMMEDIATELY UPON DETECTION OF A FAULT IN THE ELECTRICAL CIRCUIT BETWEEN THE FIRE ALARM CONTROL PANEL AND THE CONTROLLER OF THE ELECTROMAGNETIC LOCKING DEVICE, WHERE REQUIRED BY THE ONTARIO BUILDING CODE.
6. POWER FAILURE RELEASE: ELECTROMAGNETIC LOCKING DEVICES SHALL RELEASE IMMEDIATELY UPON LOSS OF POWER TO THE FIRE ALARM CONTROL PANEL OR LOSS OF POWER CONTROLLING THE ELECTROMAGNETIC LOCKING DEVICE AND ITS ASSOCIATED AUXILIARY CONTROLS, AS REQUIRED BY THE ONTARIO BUILDING CODE.
7. LOCAL RELEASE / ACCESS CONTROL: WHERE INDICATED ON THE DRAWINGS, PROVIDE LOCAL RELEASE DEVICES, REQUEST-TO-EXIT DEVICES, CARD READERS, KEY SWITCHES, OR OTHER ACCESS CONTROL DEVICES. OPERATION OF THESE DEVICES SHALL RELEASE THE ASSOCIATED ELECTROMAGNETIC LOCKING DEVICE WITHOUT INTERFERING WITH THE REQUIRED FIRE ALARM RELEASE FUNCTIONS.
8. RESET OF MAGLOCKS: FOLLOWING RELEASE OF THE ELECTROMAGNETIC LOCKING DEVICES BY THE FIRE ALARM SYSTEM OR THE AUTHORIZED-PERSONNEL MANUAL RELEASE SWITCH, THE LOCKING DEVICES SHALL NOT AUTOMATICALLY RE-LOCK UNTIL THE SYSTEM HAS BEEN MANUALLY RESET BY OPERATION OF THE AUTHORIZED-PERSONNEL SWITCH, WHERE REQUIRED BY THE ONTARIO BUILDING CODE. COORDINATE RESET OPERATION WITH THE ACCESS CONTROL SYSTEM.
9. FIRE ALARM SYSTEM MODIFICATIONS: MODIFY THE FIRE ALARM SYSTEM AS REQUIRED TO ACCOMMODATE THE NEW ELECTROMAGNETIC LOCKING DEVICES, CONTROL MODULES, MONITORING FUNCTIONS, RELEASE FUNCTIONS, AND ASSOCIATED INTERFACES. PROVIDE ALL NECESSARY MODULES, RELAYS, POWER SUPPLIES, CIRCUITS, WIRING, PROGRAMMING, AND OTHER EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
10. COMPATIBILITY: ALL NEW FIRE ALARM DEVICES SHALL BE COMPATIBLE WITH THE NEW FIRE ALARM CONTROL EQUIPMENT. PROVIDE DEVICES OF THE SAME MANUFACTURER AND SERIES AS THE FIRE ALARM SYSTEM WHERE REQUIRED FOR COMPATIBILITY AND APPROVED BY THE FIRE ALARM SYSTEM MANUFACTURER.
11. INSTALLATION AND VERIFICATION: INSTALL ALL NEW FIRE ALARM DEVICES AND ASSOCIATED WIRING IN ACCORDANCE WITH CAN/ULC-S524, INSTALLATION OF FIRE ALARM SYSTEMS, AS APPLICABLE. VERIFY THE FIRE ALARM SYSTEM IN ACCORDANCE WITH CAN/ULC-S537, VERIFICATION OF FIRE ALARM SYSTEMS, AND PROVIDE ALL REQUIRED DOCUMENTATION AND VERIFICATION REPORTS.
12. WIRING: PROVIDE NEW WIRING FOR ALL FIRE ALARM AND MAGLOCK INTERFACE CONNECTIONS. SIZE CONDUCTORS IN ACCORDANCE WITH THE FIRE ALARM SYSTEM MANUFACTURER'S REQUIREMENTS, APPLICABLE CAN/ULC REQUIREMENTS, AND THE ONTARIO ELECTRICAL SAFETY CODE. PROVIDE COPPER CONDUCTORS WITH INSULATION RATING SUITABLE FOR THE INSTALLATION. INSTALL WIRING IN CONDUIT WHERE INDICATED OR REQUIRED BY CODE AND THE ELECTRICAL SPECIFICATIONS.
13. MAGLOCK POWER SUPPLY: PROVIDE DEDICATED POWER SUPPLIES FOR ELECTROMAGNETIC LOCKING DEVICES AS REQUIRED. POWER SUPPLIES SHALL BE APPROVED FOR THE INTENDED APPLICATION AND SHALL BE INSTALLED IN ACCORDANCE WITH THE ONTARIO ELECTRICAL SAFETY CODE AND MANUFACTURER'S REQUIREMENTS. PROVIDE POWER SUPPLY MONITORING AND FIRE ALARM INTERFACE AS REQUIRED.
14. FIRE ALARM CONTRACTOR RESPONSIBILITY: THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MODIFICATIONS TO THE NEW FIRE ALARM SYSTEM REQUIRED TO ACCOMMODATE THE WORK, INCLUDING ENGINEERING, EQUIPMENT, INSTALLATION, PROGRAMMING, TESTING, VERIFICATION, DOCUMENTATION, AND COORDINATION WITH THE ACCESS CONTROL CONTRACTOR.
15. ACCESS CONTROL COORDINATION: COORDINATE THE FIRE ALARM INTERFACE WITH THE ACCESS CONTROL CONTRACTOR. THE ACCESS CONTROL CONTRACTOR SHALL PROVIDE THE ELECTROMAGNETIC LOCKING DEVICES, ACCESS CONTROL EQUIPMENT, LOCAL RELEASE DEVICES, CARD READERS, REQUEST-TO-EXIT DEVICES, AND ASSOCIATED POWER SUPPLIES UNLESS OTHERWISE INDICATED. THE FIRE ALARM CONTRACTOR SHALL PROVIDE THE FIRE ALARM INTERFACE AND CONTROL FUNCTIONS INDICATED ON THE DRAWINGS.
16. DOOR SIGNAGE: WHERE REQUIRED BY THE ONTARIO BUILDING CODE, PROVIDE PERMANENT SIGNAGE ON THE DOOR INDICATING "EMERGENCY EXIT UNLOCKED BY FIRE ALARM". PROVIDE SIGNAGE IN ACCORDANCE WITH THE APPLICABLE CODE REQUIREMENTS.
17. EMERGENCY LIGHTING: PROVIDE EMERGENCY LIGHTING AT MAGLOCKED DOORS WHERE REQUIRED BY THE APPLICABLE BUILDING CODE, FIRE CODE, OR ELECTRICAL CODE. COORDINATE LOCATIONS WITH THE ELECTRICAL CONTRACTOR AND ARCHITECTURAL DRAWINGS.
18. TESTING AND COMMISSIONING: TEST ALL MAGLOCK RELEASE FUNCTIONS AS PART OF THE INTEGRATED FIRE ALARM TESTING. VERIFY OPERATION OF FIRE ALARM RELEASE, LOCAL MANUAL STATION RELEASE, AUTHORIZED-PERSONNEL RELEASE SWITCH, POWER-FAILURE RELEASE, CIRCUIT-FAULT RELEASE, ACCESS CONTROL RELEASE, AND MANUAL RESET FUNCTIONS, AS APPLICABLE. COORDINATE TESTING WITH THE ACCESS CONTROL CONTRACTOR AND INCLUDE THE RESULTS IN THE FIRE ALARM VERIFICATION AND INTEGRATED SYSTEM TESTING DOCUMENTATION.

1 TYPICAL SINGLE DOOR MAGNETIC LOCK LAYOUT



NOTE 1.

SUPPLY AND INSTALL SIGN PERMANTLY MOUNTED TO DOOR WITH THE WORDS "EMERGENCY EXIT UNLOCKED BY FIRE ALARM" LETTERING TO BE MINIMUM 25 MM HIGH WITH 5 MM STROKE.

DESIGNER'S STAMP

LICENSED 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

T: 1 (855)-585-8008
KBK@KALGREENS.COM.
84 - 80 BIRMINGHAM ST.
ETOBICOKE, ON. M8V 3W6

PROJECT ADDRESS
9325 YONGE STREET
RICHMOND HILL, ON

DRAWING
MAGLOCKS SPECIFICATIONS AND DETAILS

DRAWN	MNGR.	DRAWING NO
TN	KBK	ML-02

PLOTTED DATE
AUG 27, 2026

SCALE
@24"X36"

CHECKED
KYLE KHADRA

CONSTRUCTION NOTES:

1. EXISTING CONDITIONS: THE CONSULTANT DOES NOT WARRANT THE ACCURACY OR COMPLETENESS OF EXISTING BUILDING CONDITIONS, DIMENSIONS, OR MATERIALS INDICATED ON THE DRAWINGS. EXISTING CONDITIONS SHOWN ARE PROVIDED FOR THE CONTRACTOR'S INFORMATION AND CONVENIENCE ONLY. THE CONTRACTOR SHALL, IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE CONTRACT, VISIT THE PLACE OF THE WORK AND SURROUNDING AREAS AND THOROUGHLY INVESTIGATE EXISTING AS–BUILT CONDITIONS PRIOR TO SUBMITTING THE TENDER. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH ALL APPARENT AND REASONABLY ACCESSIBLE CONDITIONS THAT MAY AFFECT THE WORK, INCLUDING, BUT NOT LIMITED TO, ABOVE–CEILING CONDITIONS AND EXISTING CONCEALED SERVICES WHERE ACCESS IS REASONABLY AVAILABLE. THE CONTRACTOR SHALL NOT RELY SOLELY ON THE CONTRACT DOCUMENTS TO DETERMINE THE EXTENT OF DEMOLITION, REMOVALS, MODIFICATIONS, OR NEW WORK REQUIRED. REPORT ANY DISCREPANCIES, CONFLICTS, OR UNFORESEEN CONDITIONS BETWEEN THE EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS TO THE OWNER AND CONSULTANT PRIOR TO COMMENCING THE AFFECTED WORK.
2. DEMOLITION AND MAKING GOOD: THE CONTRACTOR SHALL COORDINATE AND EXECUTE ALL DEMOLITION AND REMOVAL WORK REQUIRED TO ACCOMMODATE THE NEW WORK, INCLUDING MODIFICATIONS ASSOCIATED WITH NEW PARTITIONS, CEILINGS, FLOOR FINISHES, EQUIPMENT, AND SERVICES. PATCH, REPAIR, AND MAKE GOOD ALL AFFECTED SURFACES AND FINISHES TO MATCH ADJACENT EXISTING CONSTRUCTION, UNLESS OTHERWISE INDICATED. PERFORM DEMOLITION AND OTHER NOISY WORK BETWEEN 9:00 A.M. AND 4:00 P.M., OR AT OTHER TIMES AS DIRECTED BY THE OWNER.
3. DEBRIS AND PROTECTION: REMOVE DEBRIS FROM THE WORK AREA AS IT ACCUMULATES AND MAINTAIN THE WORK AREA IN A CLEAN AND ORDERLY CONDITION. MAKE ACCEPTABLE ARRANGEMENTS WITH THE OWNER FOR THE COLLECTION, HANDLING, AND REMOVAL OF CONSTRUCTION REFUSE FROM THE SITE. PROTECT EXISTING CONSTRUCTION, FINISHES, EQUIPMENT, AND SERVICES DESIGNATED TO REMAIN. IMMEDIATELY REPAIR AND MAKE GOOD, AT THE CONTRACTOR'S EXPENSE, ANY DAMAGE CAUSED BY THE WORK.
4. FIRE SAFETY SYSTEMS: COORDINATE ALL WORK AFFECTING EXISTING FIRE ALARM, FIRE DETECTION, FIRE SUPPRESSION, EMERGENCY NOTIFICATION, AND OTHER LIFE SAFETY SYSTEMS WITH THE OWNER, AND AUTHORITIES HAVING JURISDICTION PRIOR TO COMMENCING THE AFFECTED WORK. WHERE FIRE PROTECTION OR LIFE SAFETY SYSTEMS ARE REQUIRED TO BE IMPAIRED OR SHUT DOWN, PROVIDE THE REQUIRED NOTIFICATIONS, TEMPORARY PROTECTION, AND SAFETY MEASURES IN ACCORDANCE WITH THE APPLICABLE CODES AND REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.
5. UNOCCUPIED BUILDING: THE BUILDING WILL REMAIN UNOCCUPIED THROUGHOUT THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL COORDINATE ACCESS, WORK AREAS, TEMPORARY SERVICES, SHUTDOWNS, AND OTHER CONSTRUCTION ACTIVITIES WITH THE OWNER. MAINTAIN SAFE ACCESS AND EGRESS FOR CONSTRUCTION PERSONNEL AND EMERGENCY RESPONDERS AT ALL TIMES.
6. EMERGENCY ACCESS AND EGRESS: MAINTAIN CLEAR AND UNOBSTRUCTED ACCESS TO REQUIRED EXITS, EXIT ACCESS ROUTES, STAIRS, FIRE ROUTES, FIRE DEPARTMENT ACCESS ROUTES, FIRE PROTECTION EQUIPMENT, AND OTHER LIFE SAFETY FEATURES THROUGHOUT CONSTRUCTION. DO NOT STORE MATERIALS, EQUIPMENT, TOOLS, OR DEBRIS IN AREAS REQUIRED FOR EMERGENCY ACCESS OR EGRESS. WHERE TEMPORARY CLOSURE OR ALTERATION OF AN EXIT OR EMERGENCY ACCESS ROUTE IS REQUIRED, PROVIDE AN ACCEPTABLE ALTERNATE ARRANGEMENT AND COORDINATE WITH THE OWNER, CONSULTANT, AND AUTHORITIES HAVING JURISDICTION PRIOR TO COMMENCING THE AFFECTED WORK.
7. SECURITY: MAINTAIN THE SECURITY OF THE BUILDING AND WORK AREA AT ALL TIMES. PREVENT UNAUTHORIZED ACCESS TO THE BUILDING AND WORK AREA. SECURE ALL EXTERIOR DOORS, WINDOWS, TEMPORARY OPENINGS, AND OTHER ACCESS POINTS WHEN THE WORK AREA IS NOT OCCUPIED BY THE CONTRACTOR.
8. COORDINATION: COORDINATE THE WORK OF ALL TRADES AND SUBCONTRACTORS TO ENSURE THAT DEMOLITION, REMOVALS, RELOCATIONS, NEW CONSTRUCTION, AND BUILDING SERVICES ARE PROPERLY SEQUENCED AND COMPLETED WITHOUT ADVERSELY AFFECTING EXISTING BUILDING OPERATIONS, FIRE PROTECTION, OR LIFE SAFETY SYSTEMS.

CONSTRUCTION CONTROL NOTES:

1. MATERIAL DELIVERIES: COORDINATE THE SUPPLY AND DELIVERY OF ALL MATERIALS WITH THE OWNER IN ADVANCE. DELIVERIES SHALL NOT BE MADE THROUGH THE MAIN BUILDING ENTRANCES, LOBBY, OR CONCOURSE EXCEPT WHERE APPROVED BY THE OWNER. DELIVERY ACCESS TO THE PLACE OF THE WORK SHALL BE THROUGH ACCESS ROUTES AND AREAS APPROVED BY THE OWNER. SCHEDULE LARGE DELIVERIES WITH THE OWNER IN ADVANCE. ALLOW FOR AFTER–HOURS DELIVERY OF LARGE OR DISRUPTIVE SHIPMENTS WHERE REQUIRED BY THE OWNER. DO NOT TRANSPORT MATERIALS OR EQUIPMENT IN AN ELEVATOR WHERE THE TOTAL LOAD EXCEEDS THE ELEVATOR'S RATED CAPACITY.
2. ACCESS AND LOADING AREAS: THE CONTRACTOR AND THEIR FORCES SHALL NOT PARK, STAGE VEHICLES, STORE MATERIALS, OR OTHERWISE OBSTRUCT BUILDING ENTRANCES, ACCESS ROUTES, FIRE ROUTES, LOADING AREAS, OR THE LOADING DOCK, EXCEPT AS SPECIFICALLY APPROVED BY THE OWNER.
3. CONTRACTOR PARKING: THE CONTRACTOR AND THEIR FORCES SHALL PARK ONLY IN AREAS DESIGNATED OR APPROVED BY THE OWNER. THE CONTRACTOR SHALL MAKE THEIR OWN ARRANGEMENTS FOR PARKING WHERE NO DESIGNATED PARKING IS PROVIDED.
4. MATERIAL STORAGE: THE CONTRACTOR AND THEIR FORCES SHALL NOT STORE MATERIALS, EQUIPMENT, TOOLS, OR CONSTRUCTION DEBRIS OUTSIDE THE DESIGNATED PLACE OF THE WORK. ALL MATERIALS AND EQUIPMENT SHALL BE STORED IN AREAS APPROVED BY THE OWNER.
5. ACCESS TO NON–WORK AREAS: THE CONTRACTOR AND THEIR FORCES SHALL COORDINATE AND SCHEDULE ALL ACCESS TO AREAS OUTSIDE THE PLACE OF THE WORK WITH THE OWNER IN ADVANCE. ACCESS SHALL BE LIMITED TO AREAS AND TIMES APPROVED BY THE OWNER.
6. BUILDING OPERATIONS: THE BUILDING WILL REMAIN UNOCCUPIED BY RESIDENTS, STAFF, AND THE PUBLIC DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE ACCESS, WORK AREAS, TEMPORARY SERVICES, SHUTDOWNS, AND OTHER CONSTRUCTION ACTIVITIES WITH THE OWNER.
7. EMERGENCY ACCESS AND EGRESS: MAINTAIN SAFE, UNOBSTRUCTED, AND READILY ACCESSIBLE EMERGENCY ACCESS AND EGRESS FOR CONSTRUCTION PERSONNEL AT ALL TIMES. MAINTAIN ACCESS TO ALL REQUIRED EXITS, EXIT ACCESS ROUTES, STAIRS, FIRE ROUTES, FIRE DEPARTMENT ACCESS ROUTES, AND FIRE PROTECTION EQUIPMENT. DO NOT BLOCK OR OBSTRUCT EMERGENCY ACCESS ROUTES WITH MATERIALS, EQUIPMENT, VEHICLES, OR CONSTRUCTION DEBRIS.
8. EMERGENCY ACCESS: MAINTAIN ACCESS FOR EMERGENCY RESPONDERS AND EMERGENCY VEHICLES AT ALL TIMES. DO NOT OBSTRUCT FIRE DEPARTMENT ACCESS ROUTES, FIRE DEPARTMENT CONNECTIONS, HYDRANTS, FIRE ALARM ANNUNCIATORS, FIRE DEPARTMENT ACCESS DOORS, OR OTHER FIRE PROTECTION AND LIFE SAFETY EQUIPMENT. WHERE TEMPORARY OBSTRUCTIONS CANNOT BE AVOIDED, PROVIDE ALTERNATE ACCESS AS APPROVED BY THE OWNER AND AUTHORITIES HAVING JURISDICTION.
9. FIRE AND LIFE SAFETY: MAINTAIN THE INTEGRITY AND REQUIRED FIRE–RESISTANCE RATINGS OF ALL EXISTING FIRE SEPARATIONS AND FIRE–RATED ASSEMBLIES THROUGHOUT CONSTRUCTION. DO NOT OBSTRUCT, DISABLE, OR IMPAIR FIRE PROTECTION OR LIFE SAFETY SYSTEMS WITHOUT PRIOR APPROVAL FROM THE OWNER, CONSULTANT, AND AUTHORITIES HAVING JURISDICTION, AS APPLICABLE.
   TEMPORARY CONDITIONS: WHERE CONSTRUCTION ACTIVITIES REQUIRE TEMPORARY CLOSURE, RELOCATION, OR MODIFICATION OF AN EXIT, EXIT ACCESS ROUTE, FIRE ROUTE, OR OTHER LIFE SAFETY FEATURE, PROVIDE APPROPRIATE TEMPORARY PROTECTION AND ACCESS AS REQUIRED. COORDINATE SUCH CONDITIONS WITH THE OWNER, CONSULTANT, AND AUTHORITIES HAVING JURISDICTION PRIOR TO COMMENCING THE AFFECTED WORK.

CUT AND PATCH WORK

1. CUTTING AND PATCHING: PROVIDE ALL CUTTING, PATCHING, CORING, DRILLING, REMOVALS, AND MAKING GOOD REQUIRED TO COMPLETE THE WORK INDICATED ON THE DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE AND ASSIGN ALL CUTTING AND PATCHING WORK BETWEEN THE VARIOUS TRADES TO ENSURE THAT THE WORK IS COMPLETED PROPERLY AND WITHOUT CONFLICT.
2. MAKING GOOD: MAKE GOOD ALL FINISHES AFFECTED BY THE WORK, INCLUDING WALLS, CEILINGS, FLOORS, PARTITIONS, AND OTHER EXISTING SURFACES. REPAIR AND RESTORE ANY EXISTING CONSTRUCTION, FINISHES, OR SURFACES DAMAGED BY THE CONTRACTOR'S WORK TO MATCH ADJACENT EXISTING CONDITIONS, UNLESS OTHERWISE INDICATED.

DESIGNER'S STAMP

LICENSED 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
T: 1 (855)-585-8008
KBK@KALGREENS.COM
84 - 80 BRAMHAM ST.,
ETOBICOKE. ON, M8V 3W6

PROJECT ADDRESS
9325 YONGE STREET
RICHMOND HILL, ON

DRAWING
MAGLOCKS SPECIFICATIONS AND NOTES

DRAWN	MNGR.	DRAWING NO
TN	KBK	ML-03

PLOTTED DATE
AUG 27, 2026

SCALE
@24"x36"

CHECKED
KYLE KHADRA