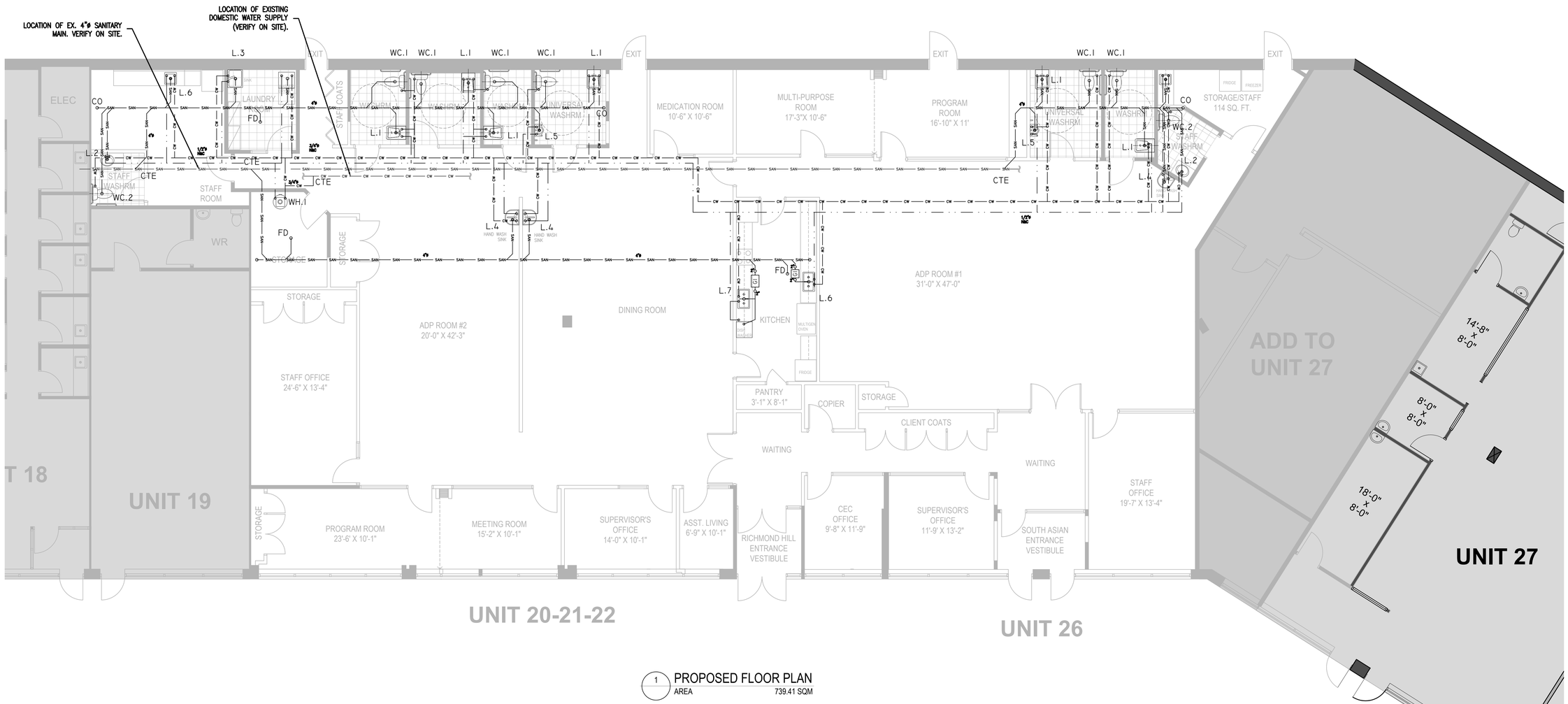


1 PROPOSED FLOOR PLAN
AREA 739.41 SQM

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

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DESIGNER'S STAMP

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

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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	MNGR.	DRAWING NO
TN	KBK	
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.

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ARCHITECTS INC
T: 1 (855)-585-8008
KIM@KALGREENS.COM
B4 - 80 BIRMINGHAM ST.,
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PROJECT ADDRESS
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TIN	KBK	PL-02

PLOTTED DATE
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SCALE @24"x36"

CHECKED
KYLE KHADRA