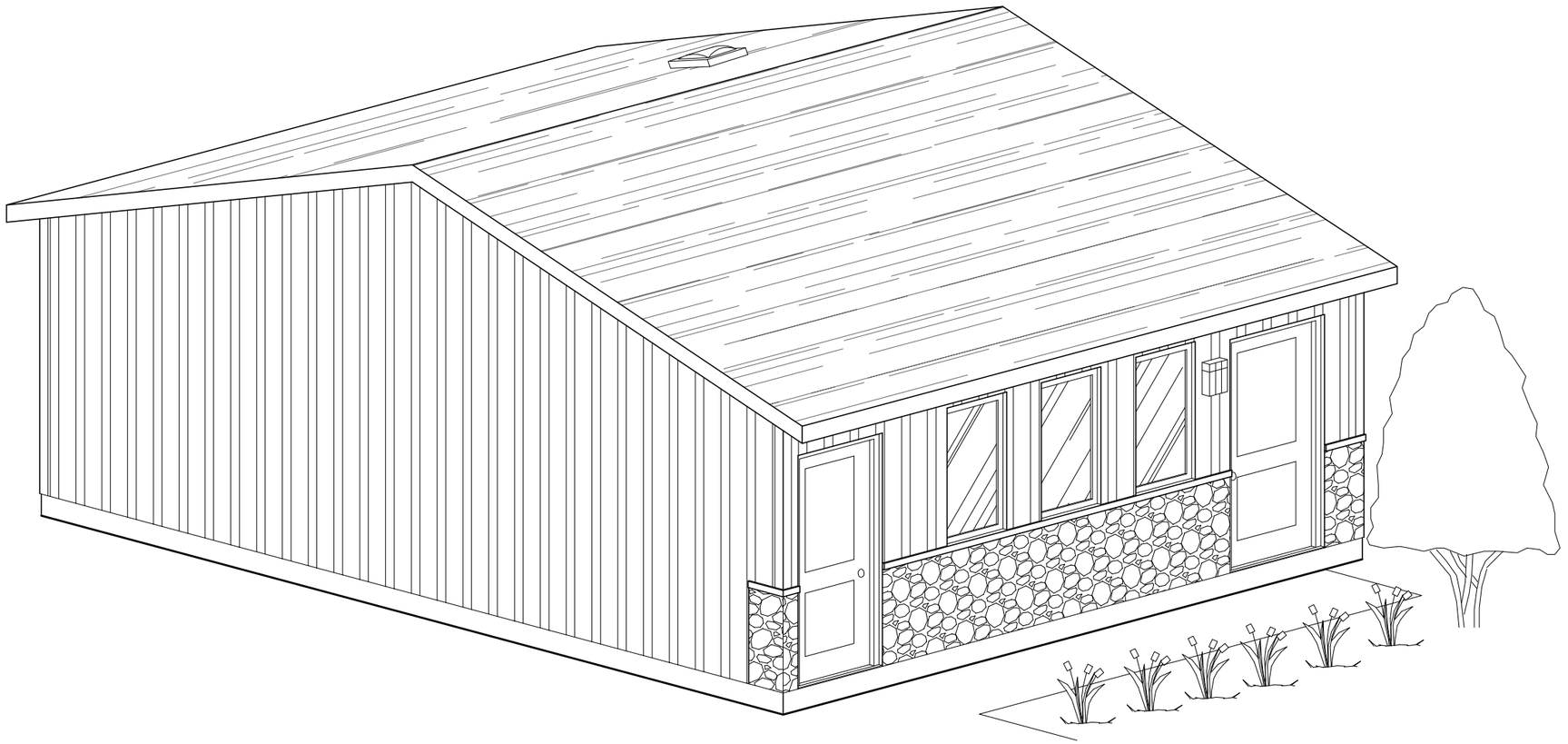
LSH-2 PACKAGE
LANEWAY STUDIO
HEAT PUMP- FIRE
ALARM OPTION

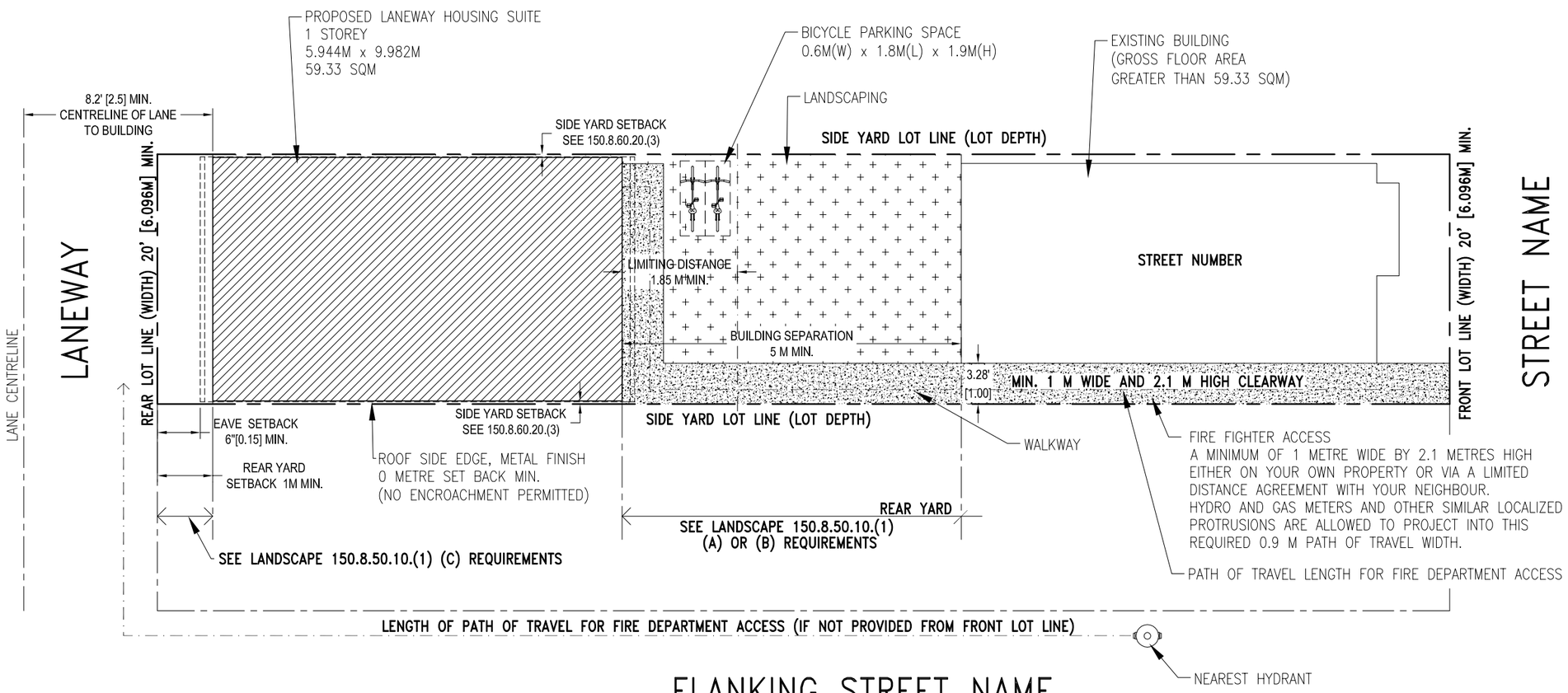
FOR REFERENCE ONLY



STUDIO LANEWAY HOUSING

TORONTO

CITY OF TORONTO
TORONTO BUILDING DIVISION
DEVELOPMENT AND GROWTH SERVICES
100 QUEENS ST W
TORONTO, ON, M5H 2N2



Zoning Bylaw 569-2013 related to Laneway Housing (Maximum 3 Dwelling Units on the Lot)

- **Landscaping**

  150.8.50.10(1) GARDEN
  (A) LOT FRONTAGE WITH 6M OR LESS, MINIMUM OF 60% OF AREA BETWEEN REAR MAIN WALLS AND FRONT MAIN WALL OF ANCILLARY BUILDING MUST BE LANDSCAPING;
  (B) LOT FRONTAGE OF GREATER THAN 6M, A MINIMUM OF 85% OF THE AREA BETWEEN REAR MAIN WALLS OF RESIDENTIAL BUILDING AND FRONT MAIN WALL OF ANCILLARY BUILDING MUST BE SOFT LANDSCAPING, EXCLUDING 1.5M WALKWAY
  (C) AREA BETWEEN ANCILLARY BUILDING AND LOT LINE ABUTTING THE LANE EXCLUDING PERMITTED DRIVEWAY AND PEDESTRIAN WALKWAY MAX WIDTH OF 1.5M MUST BE LANDSCAPING OF WHICH MUST BE 75% SOFT LANDSCAPING

- **Rear Yard Setbacks**

  150.8.60.20.(2)
  (A) IF REAR LOT LINE DOES NOT ABUT A STREET OR LANE AND THERE ARE NO OPENINGS, 0M REQUIRED
  (B) IN ALL OTHER CASES 1.0M

- **Heights**

  150.8.60.40
  (1) MAXIMUM HEIGHT IS 4M BASED ON SEPARATION OF 4M

- **Side Yard Setbacks**

  150.8.60.20(3)
  (A) IF THE SIDE LOT LINE DOES NOT ABUT A STREET OR LANE AND THERE ARE NO OPENINGS SUCH AS VEHICLE ACCESS, DOORS OR WINDOWS IN THE SIDE MAIN WALL OF THE ANCILLARY BUILDING, 0.0 METRES;
  (B) IF THE SIDE LOT LINE ABUTS A STREET, THE REQUIRED MINIMUM SIDE YARD SETBACK FOR THE RESIDENTIAL BUILDING ON THE LOT;
  (C) IF THE SIDE LOT LINE ABUTS A LOT IN THE R, RD, RS, RT OR RM ZONE AND THE REAR LOT LINE ABUTS A LANE, BEGINNING FROM A HEIGHT OF 4.0 METRES, AN ANCILLARY BUILDING MUST BE SET BACK 1.5 METRES FROM THE SIDE LOT LINE THAT ABUTS THE REAR LOT LINE OF ANOTHER LOT; AND
  (D) IN ALL OTHER CASES, 1.0 METRES.

- **Separation and Dimensions**

  150.8.60.30(1)
  (A) NO LESS THAN 5.0 METRES FROM A RESIDENTIAL BUILDING ON THE SAME LOT IF THE HEIGHT OF THE ANCILLARY BUILDING IS NO GREATER THAN 4.0 METRES; AND
  (B) NO LESS THAN 7.5 METRES FROM A RESIDENTIAL BUILDING ON THE SAME LOT IF THE HEIGHT OF THE ANCILLARY BUILDING IS GREATER THAN 4.0 METRES.

  150.8.60.30
  (5) MAX LENGTH IS 10M
  (6) MAX WIDTH IS 8M

- **Equipment**

  150.8.60.60(7)
  WALL MOUNTED EQUIPMENT ON AN ANCILLARY BUILDING CONTAINING A LANEWAY SUITE, SUCH AS VENTS, PIPES, UTILITY EQUIPMENT, SATELLITE DISHES, ANTENNAE OR AIR CONDITIONERS, MAY ENCROACH A MAXIMUM OF 0.6 METRES INTO:
  (A) ON A MAIN WALL OF THE ANCILLARY BUILDING FACING A LANE, THE MINIMUM BUILDING SETBACKS ABUTTING THE LANE REQUIRED IN CLAUSE 150.8.60.20; AND
  (B)ON THE FRONT MAIN WALL OF THE ANCILLARY BUILDING, THE DISTANCE SEPARATION REQUIRED IN REGULATION 150.8.60.30(1)

- **Floor Area**

  150.8.60.50
  (2) THE INTERIOR FLOOR AREA OF A LANEWAY SUITE MUST BE LESS THAN THE GROSS FLOOR AREA OF THE RESIDENTIAL BUILDING ON THE LOT.

- **Bicycle Parking**

  150.8.80.1
  (2)A MINIMUM OF TWO BICYCLE PARKING SPACES REQUIRED

Length of Path of Travel for Fire Department Access

A MAXIMUM OF 45 METRES IN LENGTH MEASURED FROM THE PUBLIC STREET TO THE ENTRY OF THE LANEWAY SUITE,
–A MAXIMUM OF 90 METRES IN LENGTH MEASURED FROM THE PUBLIC STREET OR A FLANKING STREET THROUGH THE LANEWAY TO THE ENTRY OF THE LANEWAY SUITE ALONG WITH AT LEAST ONE ADDITIONAL FIRE–SAFETY MEASURE, ACCEPTABLE TO THE CITY OF TORONTO.
–A FIRE HYDRANT MUST ALSO BE LOCATED WITHIN 45 METRES OF WHERE A FIREFIGHTING VEHICLE WOULD PARK IN FRONT OF THE SUBJECT PROPERTY OR AT THE INTERSECTION OF A FLANKING STREET AND THE LANEWAY.

Additional Fire-Safety Measures

THERE ARE TWO OPTIONS FOR FIRE–SAFETY MEASURES DEVELOPED BY THE CITY OF TORONTO THAT DESIGNERS MAY INCORPORATE WITHIN THEIR LANEWAY SUITE DESIGNS TO ALLOW THE MAXIMUM TRAVEL DISTANCE TO INCREASE FROM 45 M TO 90 M:

OPTION 1: AUTOMATIC SPRINKLER; EXTERIOR STROBE LIGHT AND SMOKE ALARMS/WARNING SYSTEM

OPTION 2: INCREASED FIRE PROTECTION MATERIALS AND BUILDING METHODS; EXTERIOR STROBE LIGHT; AND SMOKE ALARMS/WARNING SYSTEM.

LSH-2 PACKAGE
LANEWAY STUDIO
HEAT PUMP- FIRE
ALARM OPTION

FOR REFERENCE ONLY

SITE PLAN

NO.	REVISION	DATE

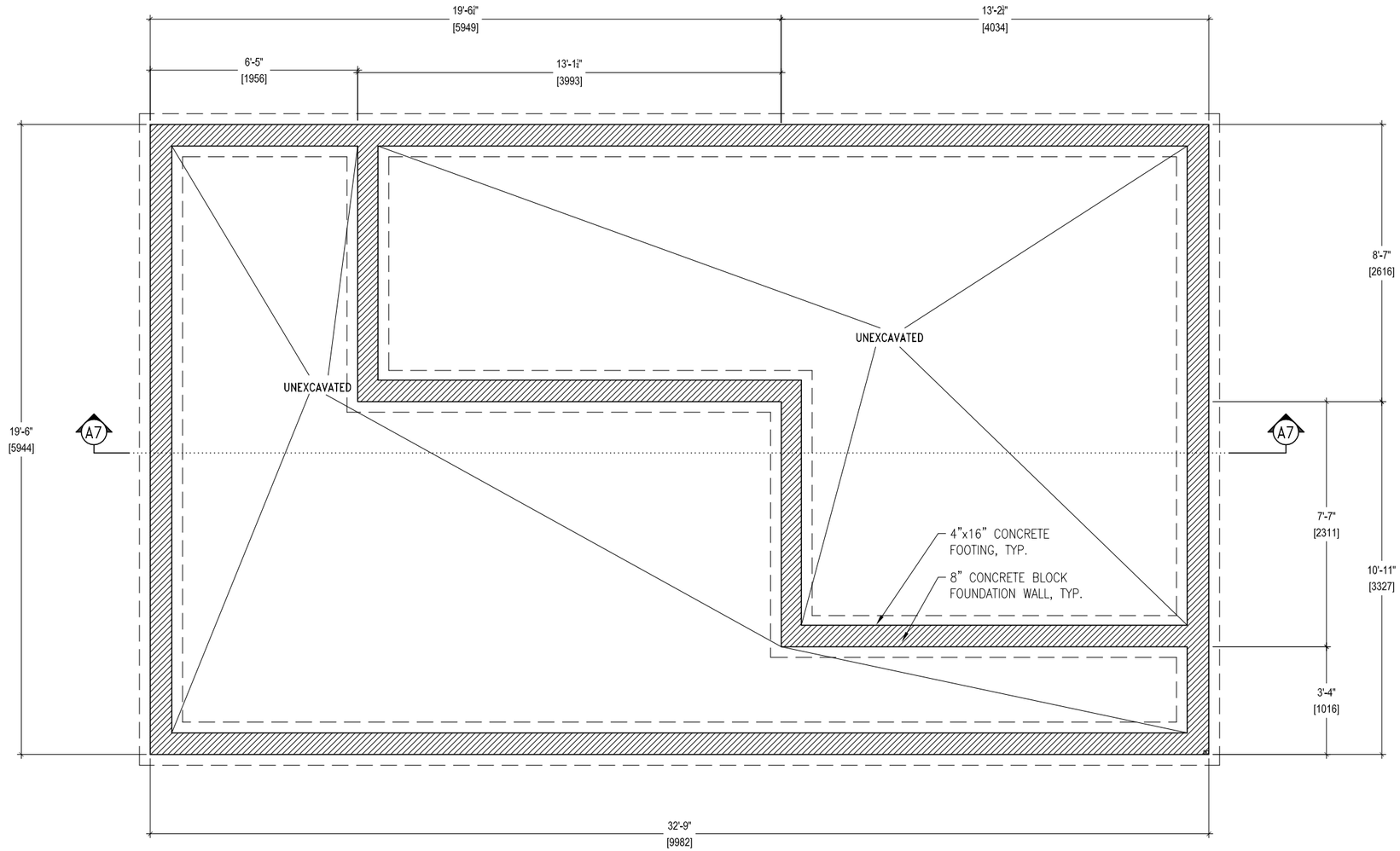
TITLE:
STUDIO LANEWAY HOUSING
PRE–APPROVED PLANS

DATE: MARCH 2025
DRAWING NO.: A1
SCALE: 1"=10'–0"

TORONTO
CITY OF TORONTO
TORONTO BUILDING DIVISION
DEVELOPMENT AND GROWTH SERVICES
100 QUEENS ST W
TORONTO, ON, M5H 2N2

LSH-2 PACKAGE
LANEWAY STUDIO
HEAT PUMP- FIRE
ALARM OPTION

FOR REFERENCE ONLY



FOUNDATION PLAN

NO.	REVISION	DATE

TITLE:
STUDIO LANEWAY HOUSING
PRE-APPROVED PLANS

DATE: MARCH 2025

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

DRAWING NO.: A2

TORONTO

CITY OF TORONTO
TORONTO BUILDING DIVISION
DEVELOPMENT AND GROWTH SERVICES
100 QUEENS ST W
TORONTO, ON, M5H 2N2

LSH-2 PACKAGE
LANEWAY STUDIO
HEAT PUMP- FIRE
ALARM OPTION

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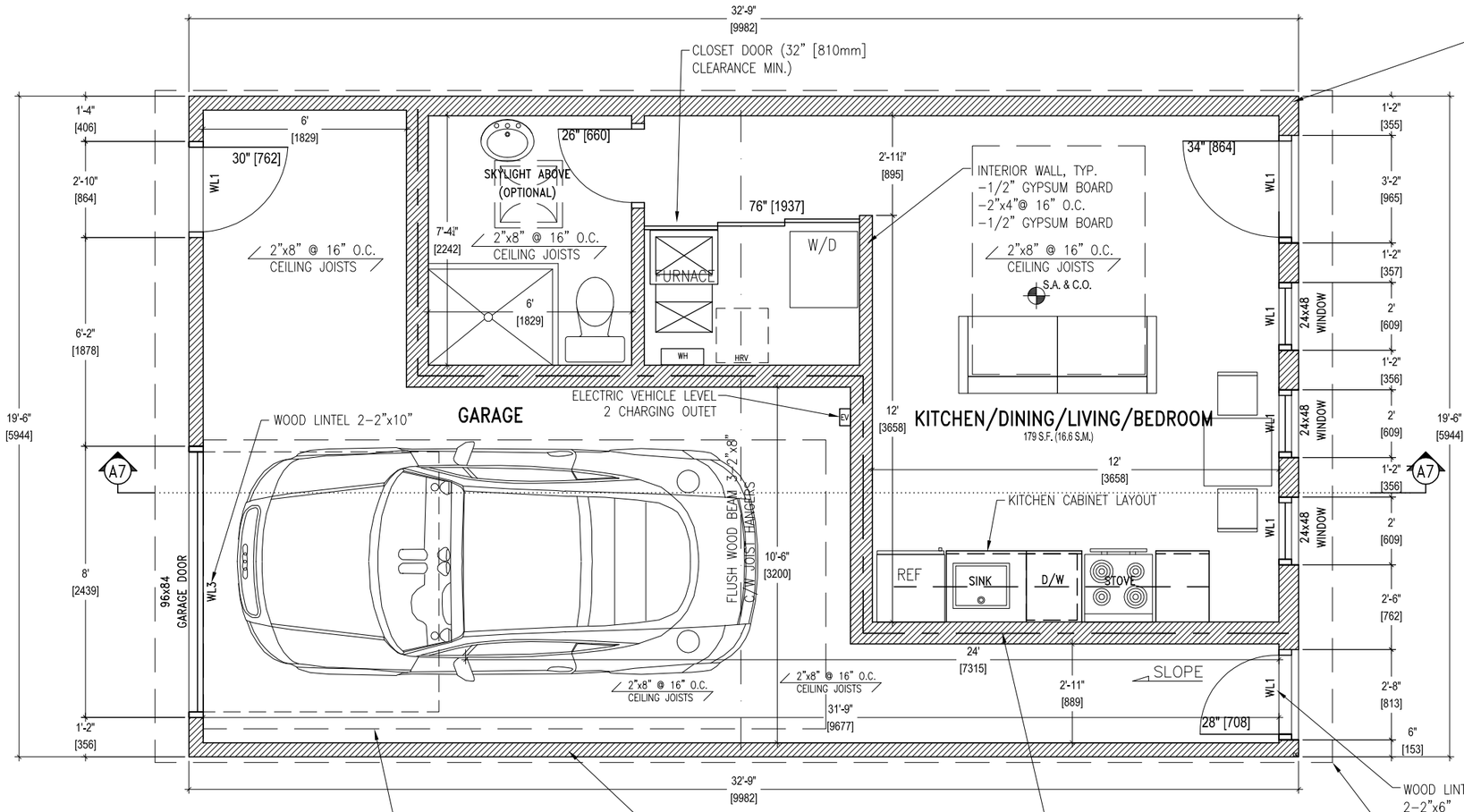
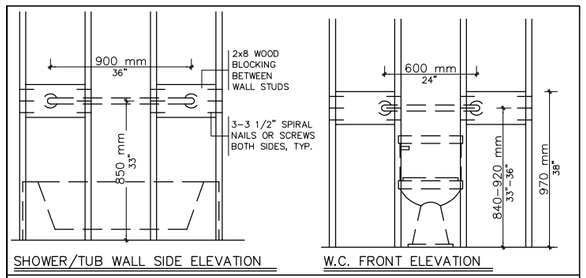


NOTE: WINDOWS AND DOORS MAY REQUIRE PROTECTED OPENINGS DEPENDING ON SITE CONDITIONS. THIS MUST BE VERIFIED BY TORONTO BUILDING PRIOR TO PERMIT ISSUANCE.



SHOWER/TUB WALL SIDE ELEVATION

W.C. FRONT ELEVATION

GRAB BAR REINFORCEMENT

REINFORCEMENT SHALL BE INSTALLED TO PERMIT THE FUTURE INSTALLATION OF A GRAB BAR IN THE MAIN BATHROOM OF A DWELLING UNIT. IF GRAB BAR IS NOT INSTALLED AT TIME OF CONSTRUCTION, BLOCKING FOR BOTH CONFIGURATIONS AT SIDE OF WATER CLOSET IS REQUIRED.

FLOOR PLAN

NO.	REVISION	DATE

TITLE: STUDIO LANEWAY HOUSING PRE-APPROVED PLANS

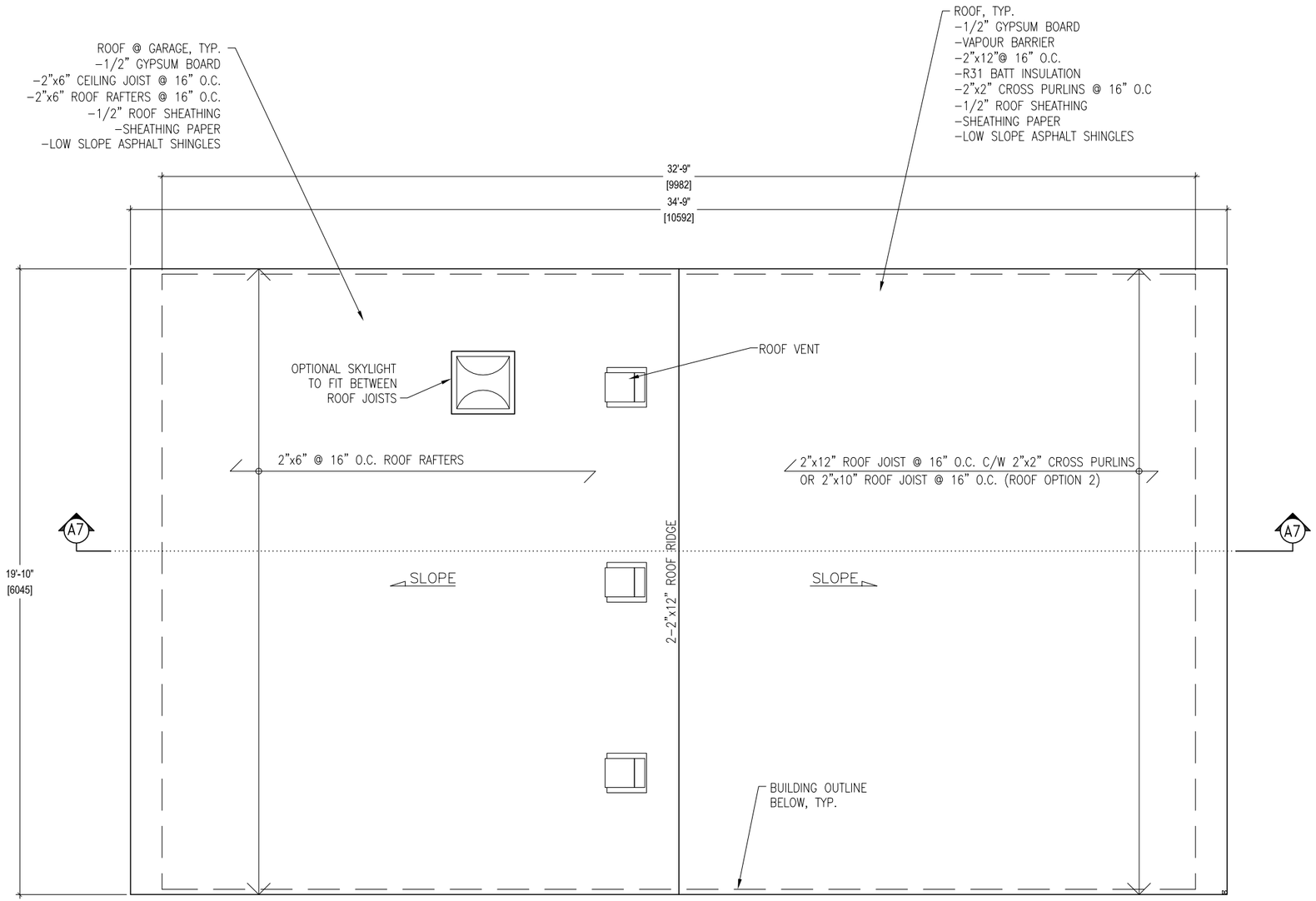
DATE: MARCH 2025

DRAWING NO.: A3

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

TORONTO

CITY OF TORONTO
TORONTO BUILDING DIVISION
DEVELOPMENT AND GROWTH SERVICES
100 QUEENS ST W
TORONTO, ON, M5H 2N2



FOR REFERENCE ONLY

ROOF PLAN

NO.	REVISION	DATE

TITLE:
STUDIO LANEWAY HOUSING
PRE-APPROVED PLANS

DATE: MARCH 2025

DRAWING NO.: A4

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

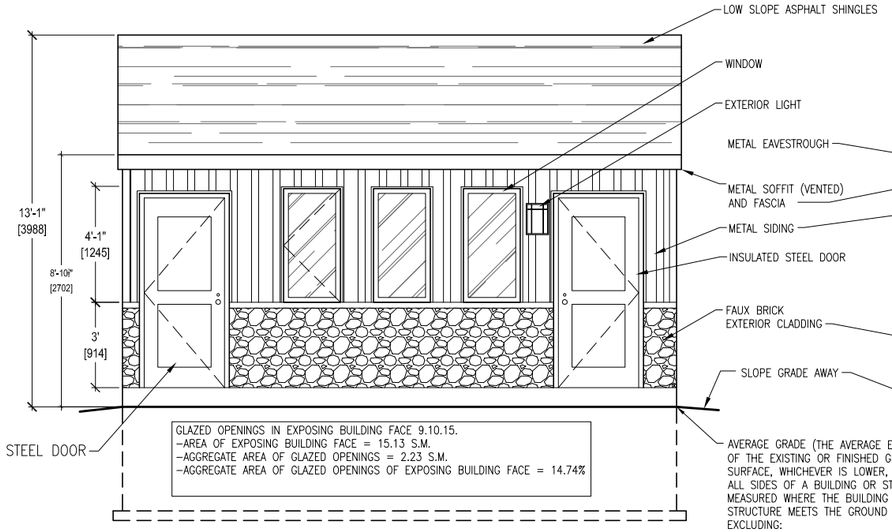
TORONTO

CITY OF TORONTO
TORONTO BUILDING DIVISION
DEVELOPMENT AND GROWTH SERVICES
100 QUEENS ST W
TORONTO, ON, M5H 2N2

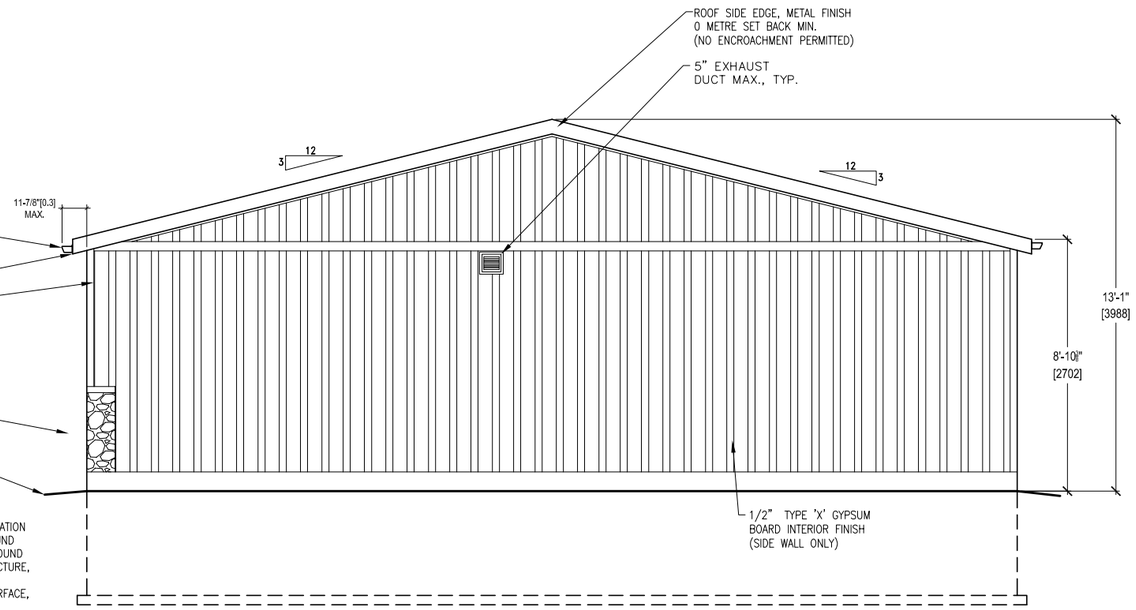
LSH-2 PACKAGE
LANEWAY STUDIO
HEAT PUMP- FIRE
ALARM OPTION

FOR REFERENCE ONLY

ELEVATIONS (OPTION 1)

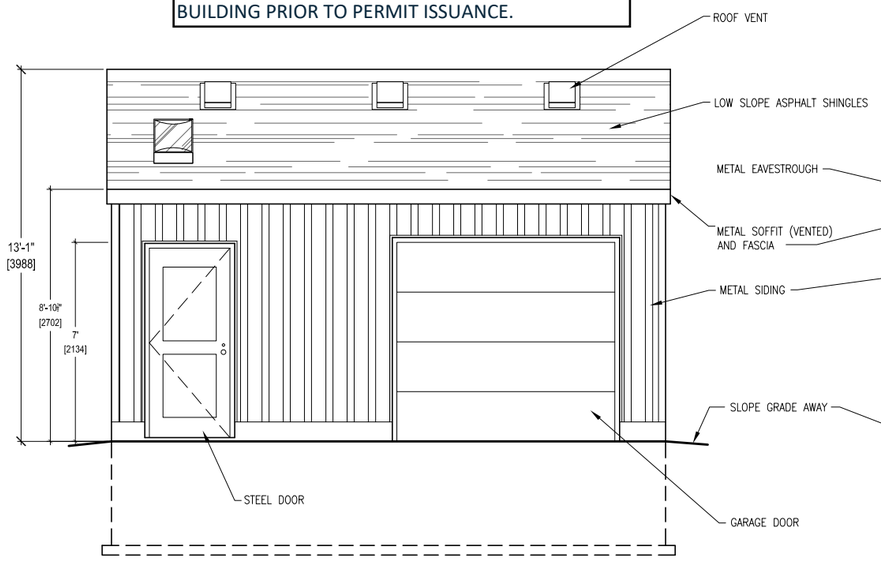


FRONT ELEVATION — 1 / A5

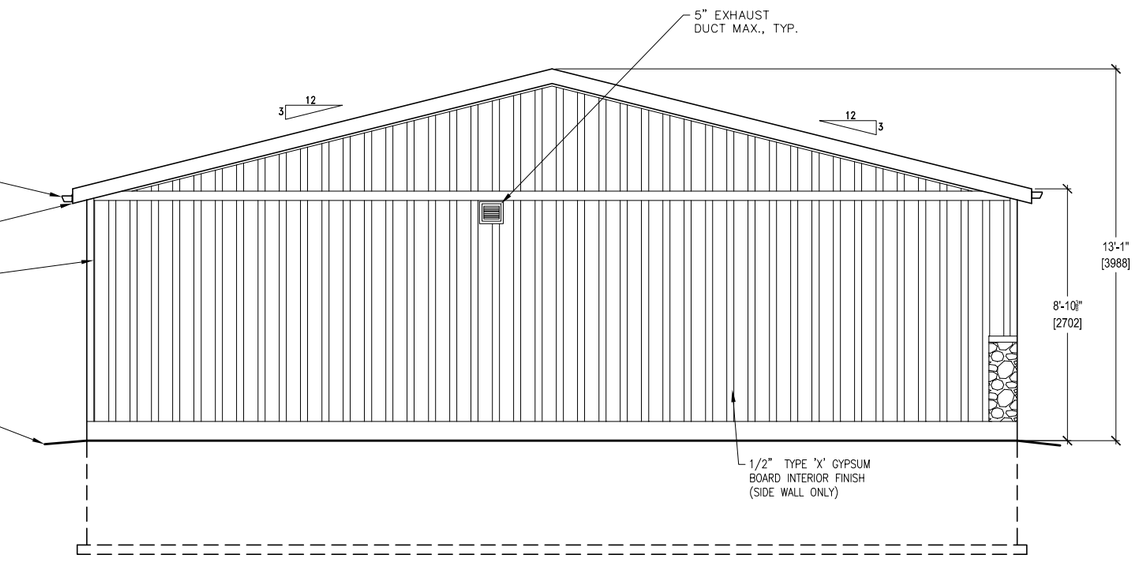


LEFT SIDE ELEVATION — 2 / A5

NOTE: WINDOWS AND DOORS MAY REQUIRE PROTECTED OPENINGS DEPENDING ON SITE CONDITIONS. THIS MUST BE VERIFIED BY TORONTO BUILDING PRIOR TO PERMIT ISSUANCE.



REAR ELEVATION — 3 / A5



RIGHT SIDE ELEVATION — 4 / A5

NO.	REVISION	DATE

TITLE:
STUDIO LANEWAY HOUSING
PRE-APPROVED PLANS

DATE: MARCH 2025

DRAWING NO.: A5

SCALE: 3/16"=1'-0"

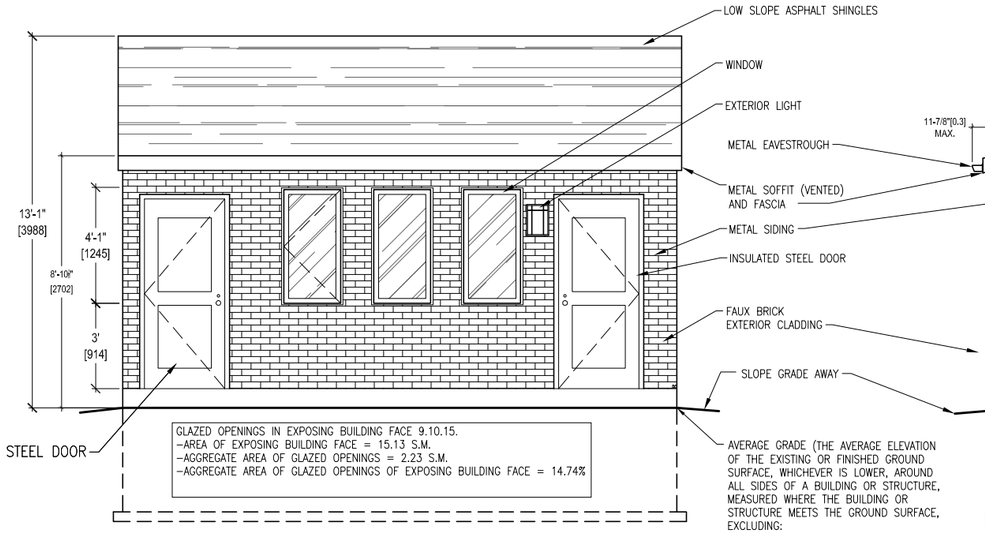
TORONTO

CITY OF TORONTO
TORONTO BUILDING DIVISION
DEVELOPMENT AND GROWTH SERVICES
100 QUEENS ST W
TORONTO, ON, M5H 2N2

LSH-2 PACKAGE
LANEWAY STUDIO
HEAT PUMP- FIRE
ALARM OPTION

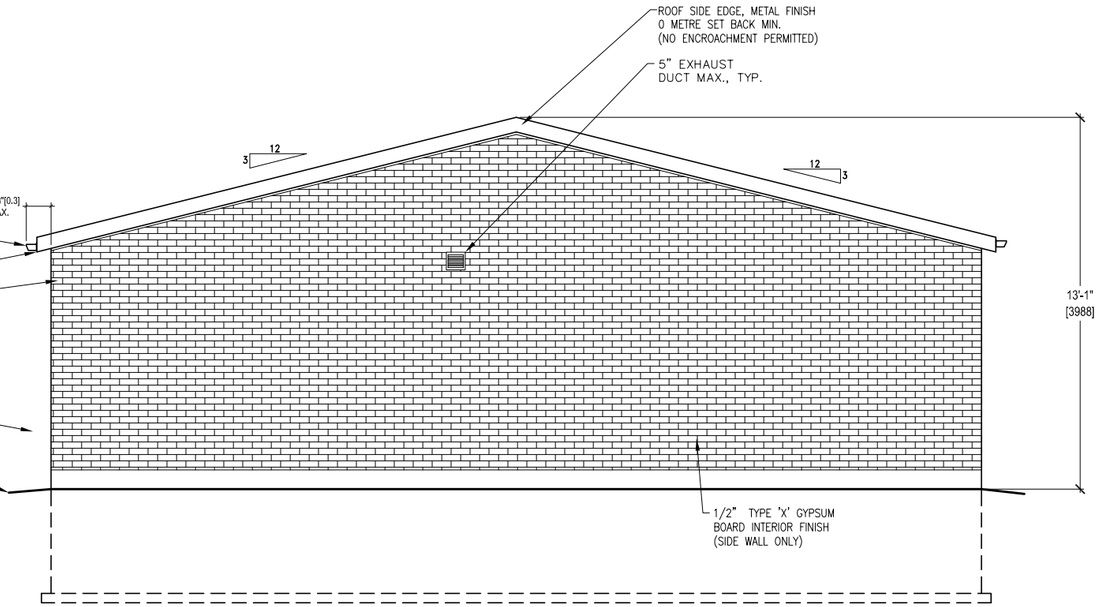
FOR REFERENCE ONLY

ELEVATIONS (OPTION 2)

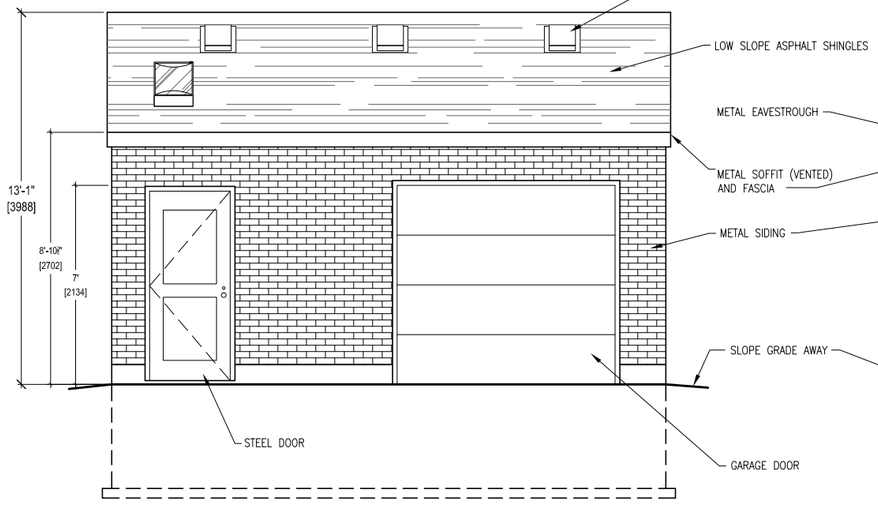


FRONT ELEVATION — 1 / A6

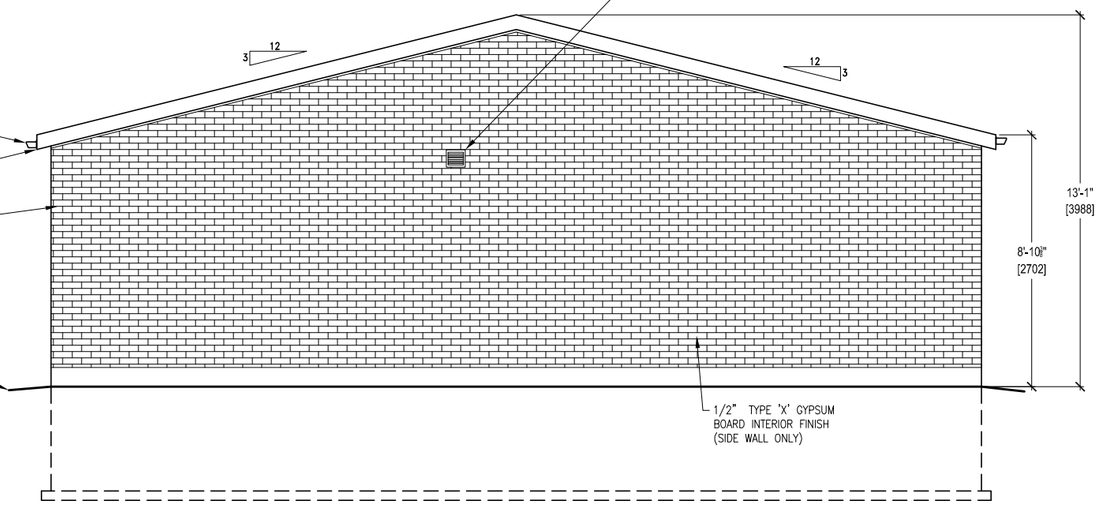
NOTE: WINDOWS AND DOORS MAY REQUIRE PROTECTED OPENINGS DEPENDING ON SITE CONDITIONS. THIS MUST BE VERIFIED BY TORONTO BUILDING PRIOR TO PERMIT ISSUANCE.



LEFT SIDE ELEVATION — 2 / A6



REAR ELEVATION — 3 / A6



RIGHT SIDE ELEVATION — 4 / A6

NO.	REVISION	DATE

TITLE: STUDIO LANEWAY HOUSING PRE–APPROVED PLANS

DATE: MARCH 2025

DRAWING NO.: A6

SCALE: 3/16"=1'–0"

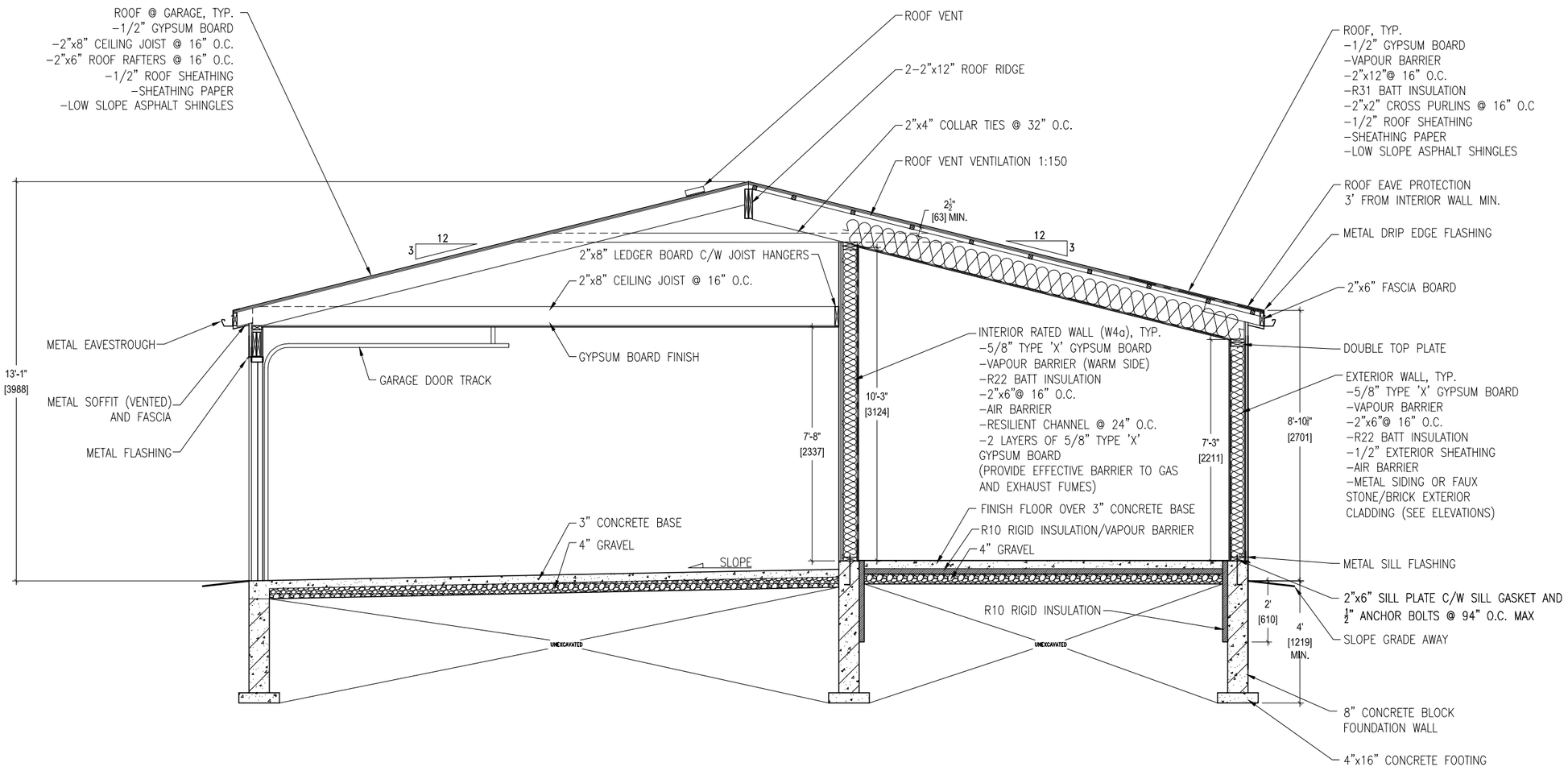
TORONTO

CITY OF TORONTO
TORONTO BUILDING DIVISION
DEVELOPMENT AND GROWTH SERVICES
100 QUEENS ST W
TORONTO, ON, M5H 2N2

LSH-2 PACKAGE
LANEWAY STUDIO
HEAT PUMP- FIRE
ALARM OPTION

FOR REFERENCE ONLY

BUILDING SECTION



NO.	REVISION	DATE

TITLE:
STUDIO LANEWAY HOUSING
PRE-APPROVED PLANS

DATE: MARCH 2025

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

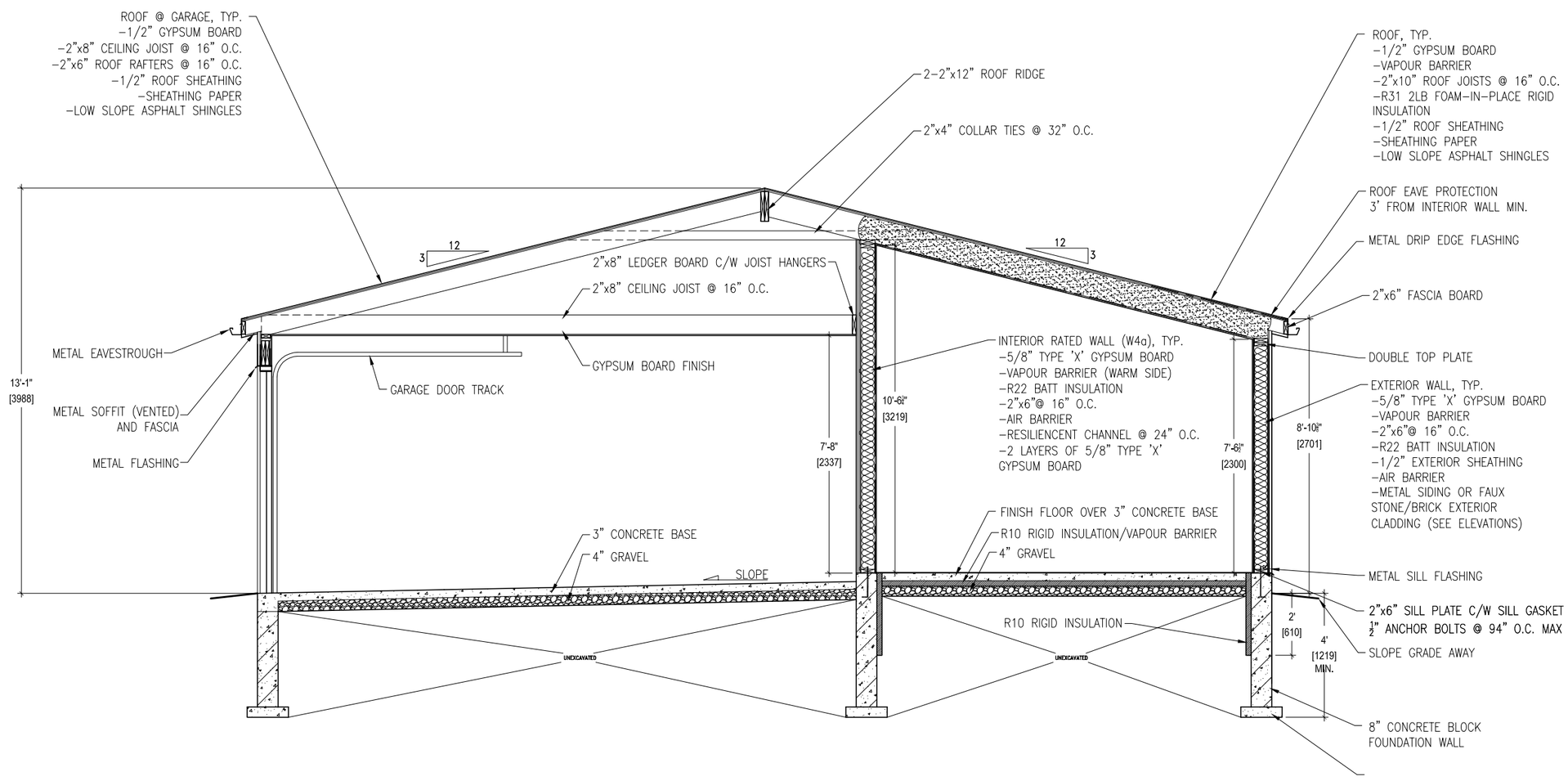
DRAWING NO.: A7

TORONTO

CITY OF TORONTO
TORONTO BUILDING DIVISION
DEVELOPMENT AND GROWTH SERVICES
100 QUEENS ST W
TORONTO, ON, M5H 2N2

LSH-2 PACKAGE
LANEWAY STUDIO
HEAT PUMP- FIRE
ALARM OPTION

FOR REFERENCE ONLY



BUILDING SECTION (ROOF OPTION 2)

NO.	REVISION	DATE

TITLE:
STUDIO LANEWAY HOUSING
PRE-APPROVED PLANS

DATE: MARCH 2025

DRAWING NO.: A7-2

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

TORONTO

CITY OF TORONTO
TORONTO BUILDING DIVISION
DEVELOPMENT AND GROWTH SERVICES
100 QUEENS ST W
TORONTO, ON, M5H 2N2

EXCAVATIONS AND BACKFILL

- EXCAVATIONS SHALL PREVENT DAMAGE TO EXISTING STRUCTURES, ADJACENT PROPERTIES AND UTILITIES.
- EXCAVATIONS SHALL NOT IMPOSE INTO ANY ADJACENT PROPERTIES FOOTING'S ANGLE OF REPOSE UNLESS APPROVED AND MONITORED BY A PROFESSIONAL ENGINEER OF ONTARIO
- EXCAVATION BASE SHALL BE FREE OF ANY ORGANIC MATERIALS
- EXCAVATION BASE BEARING CAPACITY SHALL MEET THE ONTARIO BUILDING CODE MINIMUM UNLESS OTHERWISE STATED BY A PROFESSIONAL ENGINEER OF ONTARIO
- ALL BACKFILL MATERIAL WITHIN 24" (600mm) OF THE FOUNDATION WALL SHALL BE FREE OF DELETERIOUS DEBRIS AND BOULDERS OVER 10" (250mm) DIAMETER

FOOTINGS AND FOUNDATIONS

- FOOTINGS SHALL BE MINIMUM 15MPa POURED CONCRETE AND A MINIMUM OF 48" (1200mm) BELOW FINISHED GRADE
- FOOTINGS SHALL BE FOUNDED ON NATURAL UNDISTURBED SOIL, ROCK OF COMPACTED GRANULAR FILL WITH A MINIMUM BEARING CAPACITY OF 11 PSI (75kPa)
- FOUNDATION WALLS SHALL EXTEND MINIMUM OF 7-7/8" (200mm) ABOVE FINISHED GRADE
- MASONRY FOUNDATION WALLS SHALL BE PARGED WITH 1/4" (6mm) OF MORTAR COVED OVER THE FOOTING PRIOR TO DAMPPROOFING
- FOUNDATION WALLS SHALL BE BRACED PRIOR TO BACKFILLING
- THE EXTERIOR GRADING SHALL BE GRADED SO THAT THE SURFACE IS GRADING AWAY FROM THE BUILDING AND SHALL NOT ADVERSELY AFFECT ADJACENT PROPERTIES

CONCRETE FLOOR SLABS

- GARAGE, CARPORT AND EXTERIOR SLABS AND STEPS SHALL BE 32MPa CONCRETE WITH 5-8% AIR ENTRAINMENT
- INTERIOR SLAB 25MPa CONCRETE, MINIMUM 3" (75mm) THICK OVER R10 RIGID INSULATION AND MINIMUM 4" (100mm) OF COARSE, CLEAN, GRANULAR MATERIAL
- ATTACHED GARAGE CONCRETE SLABS SHALL BE SLOPED TO DRAIN TO THE EXTERIOR

WOOD FRAME CONSTRUCTION

- ALL LUMBER SHALL BE SPRUCE-PINE-FIR NO. 1 & 2, CONTAIN A GRADE STAMP AND MAXIMUM MOISTURE CONTENT 19% AT TIME OF INSTALLATION
- ALL FRAMING LUMBER WHICH ARE SUPPORTED ON CONCRETE IN DIRECT CONTACT WITH SOIL SHALL BE SEPARATED FROM THE CONCRETED WITH 0.05mm POLYETHYLENE OR TYPE 'S' ROLL ROOFING
- ALL EXTERIOR FRAMING LUMBER SHALL BE PRESSURE TREATED LUMBER AND CUT ENDS ARE TO BE TREATED TO MAINTAIN TREATMENT
- EXTERIOR WALLS AND INTERIOR LOAD BEARING WALLS TO CONTAIN SINGLE BOTTOM PLATE AND DOUBLE TOP PLATE
- FLOOR JOIST TO HAVE MINIMUM $1\frac{1}{2}$" (38mm) OF END BEARING
- FLOOR JOIST SHALL BEAR ON A SILL PLATE FIXED TO FOUNDATION WITH $\frac{1}{2}$" (12.7mm) ANCHOR BOLTS SPACED 7'-10" (2400mm) MAX
- HEADER JOIST BETWEEN 3-11" (1200mm) AND 10'-6" (3200mm) IN LENGTH SHALL BE DOUBLED. HEADER JOIST EXCEEDING 10'-6" (3200mm) SHALL BE SIZED BY CALCULATIONS
- TRIMMER JOIST SHALL BE DOUBLE WHEN SUPPORTED HEADER IS BETWEEN 2-7" (800mm) AND 6'-6" (2000mm). TRIMMER JOISTS EXCEEDING 6'-6" (2000mm) SHALL BE SIZED BY CALCULATIONS
- 2"x2" CROSS BRIDGING REQUIRED NOT MORE THAN 6'-10" (2100mm) FROM EACH SUPPORTED AND OTHER CROSS BRIDGING
- JOISTS SHALL BE SUPPORTED ON JOIST HANGERS AT ALL FLUSH BEAMS, TRIMMERS AND HEADERS
- NON LOADING WALLS SHALL BE SUPPORTED ON A DOUBLE JOIST OR ON WOOD BLOCKING SPACED 2'0" (600mm) O.C. BETWEEN JOISTS
- HIP AND VALLEY RAFTER SHALL BE 2" (38mm) DEEPER THAN THE COMMON RAFTER
- 2"x4" (38mm x89mm) COLLAR TIES WITH 1"x4" (19mm x 89mm) CONTINUOUS BRACE AT MID SPAN IF COLLAR TIE EXCEEDS 7'-10" (2400mm) IN LENGTH
- HOLES IN FLOOR, ROOF AND CEILING MEMBERS TO BE NOT LARGER THAN $\frac{1}{4}$ THE ACTUAL DEPTH OF MEMBER AND NOT LESS THAN 2" (50mm) FROM EDGES
- HOLES IN FLOOR, ROOF AND CEILING MEMBERS TO BE LOCATED ON TOP OF THE MEMBER WITHIN 1/2 THE ACTUAL DEPTH FROM THE OF BEARING AND NOT GREATER THAN 1/3 THE JOIST DEPTH
- WALL STUDS MAY BE NOTCHED OR DRILLED PROVIDED THAT NO LESS THAN 2/3 THE DEPTH OF THE STUD REMAINS, IF LOAD BEARING, AND $1\frac{1}{2}$" (40mm) IF NON-LOAD BEARING.
- ROOF TRUSSES MEMBERS SHALL NOT BE NOTCHED, DRILLED OR WEAKENED UNLESS ACCOMMODATED IN THE DESIGN
- ENGINEERED LUMBER JOIST OR BEAMS CAN BE NOTCHED OR DRILLED AS PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS

COLUMNS, BEAMS AND LINTELS

- STEEL BEAMS AND COLUMNS SHALL BE PRIMED
- MINIMUM $3\frac{1}{2}$" (89mm) END BEARING FOR BEAMS WITH $7\frac{1}{2}$" SOLID MASONRY BENEATH THE BEAM
- STEEL COLUMNS TO HAVE MINIMUM OUTSIDE DIAMETER OF 3" (73mm) AND $\frac{3}{16}$" (5mm) MINIMUM THICKNESS
- WOOD COLUMNS FOR CARPORTS AND GARAGES SHALL BE MINIMUM $3\frac{1}{2}$" x $3\frac{1}{2}$" (89mm x 89mm), IN ALL OTHER CASES EITHER $5\frac{1}{2}$" x $5\frac{1}{2}$" (140mm x 140mm) OR $7\frac{1}{2}$" (184mm) ROUND, UNLESS CALCULATIONS BASED ON ACTUAL LOADS SHOW LESSER SIZES ARE ADEQUATE. ALL COLUMNS SHALL BE NOT LESS THAN THE WIDTH OF THE SUPPORTED MEMBER.
- PROVIDE SOLID BLOCKING THE FULL WIDTH OF THE SUPPORTED MEMBER UNDER ALL CONCENTRATED LOADS

THERMAL INSULATION

- MINIMUM THERMAL PERFORMANCE REQUIREMENTS FOR SB12 PACKAGE A-1:

	ZONE 1	
CEILING WITH ATTIC SPACE	R60	
CEILING WITHOUT ATTIC SPACE	R31	
EXPOSED FLOOR	R31	
WALLS ABOVE GRADE	R22	
BASEMENT WALLS	R20 C.I.	
EDGE OF BELOW GRADE SLAB [≤ 1'-11" (600mm) BELOW GRADE]	R10	
WINDOWS AND SLIDING GLASS DOORS	U 0.28 MAX.	
SKYLIGHTS	U 0.50 MAX.	

- INSULATION SHALL BE PROTECTED BY GYPSUM BOARD EXCEPT FOR UNFINISHED BASEMENTS WHERE 6mil POLY IS SUFFICIENT FOR FIBERGLASS TYPE INSULATIONS
- DUCTS THRU UNHEATED SPACE SHALL BE AIRTIGHT WITH TAPE OR SEALANT, DUCTS SHALL BE INSULATED WITH MINIMUM R12 (RSI 2.11)

CAULKING SHALL BE APPLIED TO ALL EXTERIOR DOORS AND WINDOWS BETWEEN THE FRAME AND EXTERIOR CLADDING

- WEATHERSTRIPPING SHALL BE PROVIDED ON ALL DOORS AND ACCESS HATCHES TO THE EXTERIOR, EXCEPT DOORS FROM A GARAGE TO THE EXTERIOR
- EXTERIOR WALLS, CEILING AND FLOORS SHALL BE CONSTRUCTED SO AS TO PROVIDE A CONTINUOUS BARRIER TO THE PASSAGE OF WATER VAPOUR FROM THE INTERIOR AND TO THE LEAKAGE OF AIR FROM THE EXTERIOR

ROOFING

- FASTENERS FOR ROOFING SHALL BE CORROSION RESISTANT AND SHALL PENETRATE THROUGH OR AT LEAST $\frac{3}{4}$" INTO ROOF SHEATHING
- EVERY ASPHALT SHINGLE SHALL BE FASTENED WITH AT LEAST 4 NAILS FOR 3'-3" (1000mm) WIDE SHINGLE
- EAVE PROTECTION SHALL EXTEND 3'-0" (900mm) UP THE ROOF SLOPE FROM THE EDGE, AND AT LEAST 1'-0" (300mm) FROM THE INSIDE FACE OF THE EXTERIOR WALL. EAVE PROTECTION IS NOT REQUIRED FOR UNHEATED BUILDINGS
- OPEN VALLEYS SHALL BE FLASHED WITH 2 LAYERS OF ROLL ROOFING OR 1 LAYER OF METAL FLASHING
- FLASHING SHALL BE PROVIDED AT SHINGLED ROOF AND EXTERIOR WALL OR CHIMNEY INTERSECTIONS
- ACCESS TO ROOF ATTIC [>108 S.F. (10 S.M.)] TO BE MINIMUM 20" (500mm) x 28" (700mm) INSULATED AND WEATHERSTRIPPED

NATURAL VENTILATION

- EVERY ROOF SPACE ABOVE AN INSULATED CEILING SHALL BE VENTILATED WITH OBSTRUCTED OPENINGS EQUAL TO NOT LESS THAN 1/300 OF THE INSULATED CEILING AREA
- EVERY ROOF SPACE WITHOUT ATTIC SPACE SHALL BE VENTILATED WITH OBSTRUCTED OPENINGS EQUAL TO NOT LESS THAN 1/150 OF THE INSULATED CEILING AREA
- ROOF VENTS SHALL BE UNIFORMLY DISTRIBUTED AND DESIGNED TO PREVENT THE ENTRY OF RAIN, SNOW OR INSECTS
- UNHEATED CRAWL SPACE SHALL BE VENTED TO A MINIMUM 1 S.F. (0.1 S.M.) FOR EVERY 538 S.F. (500 S.M.)
- PROVIDE 4" (100mm) Ø VENT OPENING FOR COLD CELLAR WITHOUT WINDOWS AND DESIGNED TO PREVENT THE ENTRY OF OF RAIN, SNOW OR INSECTS

DOOR AND WINDOWS

- EXTERIOR DWELLING DOORS AND WINDOWS WITHIN 6'-6" (2000mm) FROM GRADE SHALL BE CONSTRUCTED TO RESIST FORCED ENTRY. DOORS SHALL HAVE A DEADLOCK BOLT
- 10% FLOOR AREA OF HABITABLE ROOMS TO EQUAL TRANSPARENT OPENINGS IN WINDOW, NATURAL VENTILATION 3 S.F. (0.279 S.M.) MINIMUM
- 5% FLOOR AREA OF BEDROOMS TO EQUAL TRANSPARENT OPENINGS IN WINDOW OF 6 S.F. (0.557 S.M.) MINIMUM
- PROVIDE STORM WINDOWS AND DOORS TO ALL EXTERIOR OPENINGS

EXTERIOR WALLS

- NO WINDOWS OR OTHER UNPROTECTED OPENINGS ARE PERMITTED IN EXTERIOR WALLS LESS THAN 3'-11" (1200mm) FROM PROPERTY LINES
- $\frac{5}{8}$" (15.9mm) TYPE 'X' FIRE RATED GYPSUM BOARD SHALL BE INSTALLED ON THE INSIDE FACE EXTERIOR WALLS AND GABLE ENDS OF ROOFS WHICH ARE LESS THAN 3'-11"(1200mm) AND NOT LESS THAN 2' (600mm) FROM PROPERTY LINES
- NON COMBUSTIBLE CLADDING SHALL BE INSTALLED ON ALL EXTERIOR WALLS LESS THAN 2' (600mm) FROM PROPERTY LINES

GARAGE GASPROOFING

- THE WALLS AND CEILING OF AN ATTACHED GARAGE SHALL BE CONSTRUCTED AND SEALED SO AS TO PROVIDE AN EFFECTIVE BARRIER TO EXHAUST FUMES
- ALL PENETRATIONS THROUGH THE WALLS AND CEILING SHALL BE CAULKED
- DOORS BETWEEN THE DWELLING AND ATTACHED GARAGE MAY NOT OPEN INTO A BEDROOM AND SHALL BE WEATHERSTRIPPED AND HAVE A SELF-CLOSER

STAIRS

- STAIRS TO MEET OBC REQUIREMENTS:

MINIMUM RISE	$4\frac{7}{8}$" (125mm)
MAXIMUM RISE	$7\frac{7}{8}$" (200mm)
MINIMUM RUN	10" (255mm)
MAXIMUM RUN	$13\frac{7}{8}$" (355mm)
MINIMUM HEAD ROOM	6'-6$\frac{3}{4}$" (1950mm)
MINIMUM WIDTH	33$\frac{7}{8}$" (860mm)

- TAPERED TREADS SHALL HAVE A MINIMUM RUN OF 6" (150mm) AT THE NARROW END AND MINIMUM RUN FROM 12" (300MM) FROM THE NARROW END HANDRAIL CENTERLINE
- WINDERS WHICH CONVERGE TO A POINT IN STAIRS MUST TURN THROUGH AN ANGLE OF NO MORE THAN 90° WITH NO LESS THAN 30° OR MORE THAN 45° PER TREAD. SETS OF WINDERS MUST BE SEPARATED IN PLANE BY AT LEAST 4'-0" (1200mm)
- A LANDING IS REQUIRED AT THE TOP OF ANY STAIR LEADING TO THE PRINCIPAL ENTRANCE TO A DWELLING AND OTHER EXTERIOR ENTRANCES WITH MORE THAN THREE RISERS
- EXTERIOR CONCRETE STAIRS WITH MORE THAN TWO RISERS REQUIRE FOUNDATION

HANDRAILS AND GUARDS

- A HANDRAIL IS REQUIRED FOR INTERIOR STAIRS CONTAINING MORE THAN TWO RISERS AND EXTERIOR STAIRS CONTAINING MORE THAN THREE RISERS
- GUARDS ARE REQUIRED ROUND EVERY ACCESSIBLE SURFACE WHICH IS MORE THAN 2'-0" (600mm) ABOVE THE ADJACENT LEVEL AND WHERE THE ADJACENT SURFACE WITHIN 1.2 M
- INTERIOR AND EXTERIOR GUARDS MINIMUM 3'-0" (900mm) HIGH. EXTERIOR GUARDS MINIMUM 3'-6" (1070mm) HIGH WHERE HEIGHT ABOVE ADJACENT SURFACE EXCEEDS 5-10" (1800mm)
- GUARDS SHALL HAVE OPENINGS SMALLER THAN 4" (100mm) AND NO MEMBER BETWEEN $5\frac{1}{2}$" (140mm) AND 3'-0" (900mm) THAT WILL FACILITATE CLIMBING

ALARMS AND DETECTORS

- AT LEAST ONE SMOKE ALARM SHALL BE INSTALLED ON OR NEAR THE CEILING IN EACH FLOOR AND BASEMENT LEVEL 3'-0" (900mm) OR MORE ABOVE AN ADJACENT LEVEL
- SMOKE ALARMS SHALL BE INTERCONNECTED AND LOCATED IN EVERY BEDROOM C/W VISUAL COMPONENT
- A CARBON MONOXIDE ALARM SHALL BE INSTALLED ADJACENT TO EVERY SLEEPING AREA FOR DWELLINGS WITH FUEL BURNING FIREPLACE OR STOVE, OR AN ATTACHED GARAGE

ROOF DRAINAGE

- ROOF WATER FROM UPPER ROOF LEVEL SHALL BE PIPED DIRECTLY TO GRADE AWAY FROM THE BUILDING
- NO ROOF WATER TO DRAIN TO ADJACENT PROPERTIES

PLUMBING

- EVERY DWELLING REQUIRES A KITCHEN SINK, LAVATORY, TOILET, BATHTUB OR SHOWER STALL AND THE INSTALLATION OR AVAILABILITY OF LAUNDRY FACILITIES
- WHERE PIPING MAY BE EXPOSED TO FREEZING CONDITIONS, IT SHALL BE PROTECTED FROM THE EFFECTS OF FREEZING [REFER TO 7.3.5.4.]

ELECTRICAL

- AN EXTERIOR LIGHT CONTROLLED BY AN INTERIOR SWITCH IS REQUIRED AT EVERY ENTRANCE
- A LIGHT CONTROLLED BY A SWITCH IS REQUIRED IN EVERY KITCHEN, BEDROOM, LIVING ROOM, UTILITY ROOM, LAUNDRY ROOM, DINING ROOM, BATHROOM, VESTIBULE, HALLWAY, GARAGE AND CARPORT. A SWITCH RECEPTACLE MAY BE PROVIDED INSTEAD OF A LIGHT IN BEDROOMS AND LIVING ROOMS
- STAIRS SHALL BE LIGHTED AND EXCEPT WHERE SERVING AN UNFINISHED BASEMENT SHALL BE CONTROLLED BY A THREE WAY SWITCH AT THE TOP AND BASE OF THE STAIRS
- BASEMENTS REQUIRE A LIGHT FOR EACH 323 S.F 30 S.M.) CONTROLLED BY A SWITCH AT THE TOP OF THE STAIRS

MECHANICAL VENTILATION

- A MECHANICAL VENTILATION SYSTEM IS REQUIRED WITH A TOTAL CAPACITY AT LEAST EQUAL TO THE SUM OF:
  -10.0 L/S EACH FOR BASEMENT AND MASTER BEDROOM
  -5.0 L/S FOR EACH OTHER ROOM
- A PRINCIPAL DWELLING EXHAUST SHALL BE INSTALLED AND CONTROLLED BY A CENTRALLY LOCATED SWITCH IDENTIFIED AS SUCH
- SUPPLEMENTAL EXHAUST SHALL BE INSTALLED SO THAT THE TOTAL CAPACITY OF ALL KITCHEN, BATHROOMS AND OTHER EXHAUSTS, LESS THE PRINCIPAL EXHAUST, IS NOT LESS THAN THE TOTAL REQUIRED CAPACITY
- A HEAT RECOVERY VENTILATOR MAY BE EMPLOYED IN LIEU OF EXHAUST TO PROVIDE VENTILATION. AN HRV IS REQUIRED IF ANY SOLID FUEL BURNING APPLIANCES ARE INSTALLED
- SUPPLY AIR INTAKES SHALL BE LOCATED SO AS TO AVOID CONTAMINATION FROM EXHAUST OUTLETS

FIRE FIGHTER ACCESS ROUTE

- ACCESS PATHS FROM THE STREET TO THE FRONT DOOR OF THE GARDEN SUITE SHALL BE CONSTRUCTED OF CONCRETE, ASPHALT, BRICK, OR ALTERNATE HARD SURFACE.
- GRADIENT CHANGES, INCLUDING STAIRS, ARE BUILDING CODE COMPLIANT.
- NO LOCKED GATES ALONG PATH OF TRAVEL
- THE HORIZONTAL PATH OF TRAVEL PERMITS THE TRANSPORT OF A 24-FOOT EXTENSION LADDER (COLLAPSED LENGTH – 12 FEET FOR A SMOOTH PATH OF TRAVEL TO NAVIGATE AND AVOID ANY SHARP TURNING RADIUS).
- ACCESS PATHS MUST REMAIN UNOBSTRUCTED AND CLEAR OF SNOW AND ICE

GENERAL NOTES

- ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE CITY OF TORONTO AND ARE TO BE USED FOR BUILDING PERMITS WITHIN THE CITY OF TORONTO
- THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSION AND EXISTING CONDITIONS
- INSTALL EXTERIOR CLADDING AS PER MANUFACTURER'S SPECIFICATIONS AND DETAILS
- INSTALL FLASHING, TRIM AND CAULKING TO EXTERIOR CLADDING TO PREVENT WATER PENETRATIONS
- INSTALL ROOF SKYLIGHT AS PER MANUFACTURER'S SPECIFICATIONS AND DETAILS
- INSTALL KITCHEN AND WASHROOM CABINETS AS PER MANUFACTURER'S SPECIFICATIONS AND DETAILS
- INSTALL INTERIOR TRIM, FLOORING AND DOORS AS PER MANUFACTURER'S SPECIFICATIONS AND DETAILS
- DESIGN LOADS:
  UNIFORMLY DISTRIBUTED LIVE LOAD 1.9 kPa
  SNOW LOAD 1.2 kPa

LSH-2 PACKAGE
LANEWAY STUDIO
HEAT PUMP- FIRE
ALARM OPTION

FOR REFERENCE ONLY

SPECIFICATIONS

NO.	REVISION	DATE

TITLE:
STUDIO LANEWAY HOUSING
PRE-APPROVED PLANS

DATE: MARCH 2025

SCALE: NTS

DRAWING NO.: A8

TORONTO
CITY OF TORONTO
TORONTO BUILDING DIVISION
DEVELOPMENT AND GROWTH SERVICES
100 QUEENS ST W
TORONTO, ON, M5H 2N2

LSH-2 PACKAGE
LANEWAY STUDIO
HEAT PUMP- FIRE
ALARM OPTION

FOR REFERENCE ONLY

LOW AMBIENT TEMPERATURE HEAT PUMP							
UNIT	MODEL #	HEAT CAPACITY (@17F)	COOLING CAPACITY (RATED)	ENERGY STAR	SEER HSPV (IV)	COMPRESSOR	POWER
IU-1	INDOOR UNIT	1,600-18,000 BTU/H	1,700-12,000 BTU/H	YES	30.5 12.5		
OU-1	OUTDOOR UNIT	19,600	9,000 BTU/H	YES		VARIABLE SPEED COMPRESSOR	208/230 v, 1 Phase, 60 Hz

BATHROOM EXHAUST FAN							
UNIT	MAKE	MODEL #	AIR FLOW (CFM)	NOISE LEVEL	POWER RATING	DUCT SIZE (Ø)	DC MOTOR
EF-1	EXHAUST FAN	GENERIC	80	0.3	120V/1PH/60HZ	6"	

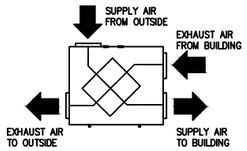
ENERGY RECOVERY FAN

UNIT	MAKE	EXTERNAL STATIC PRESSURE (IN W.C.)	AIR VOLUME (CFM)	EFFECTIVENESS @0 °C (32 °F)
ERV-1	ENERGY RECOVERY VENTILATOR	0.4	60	75%

ELECTRIC BASEBOARD HEATER

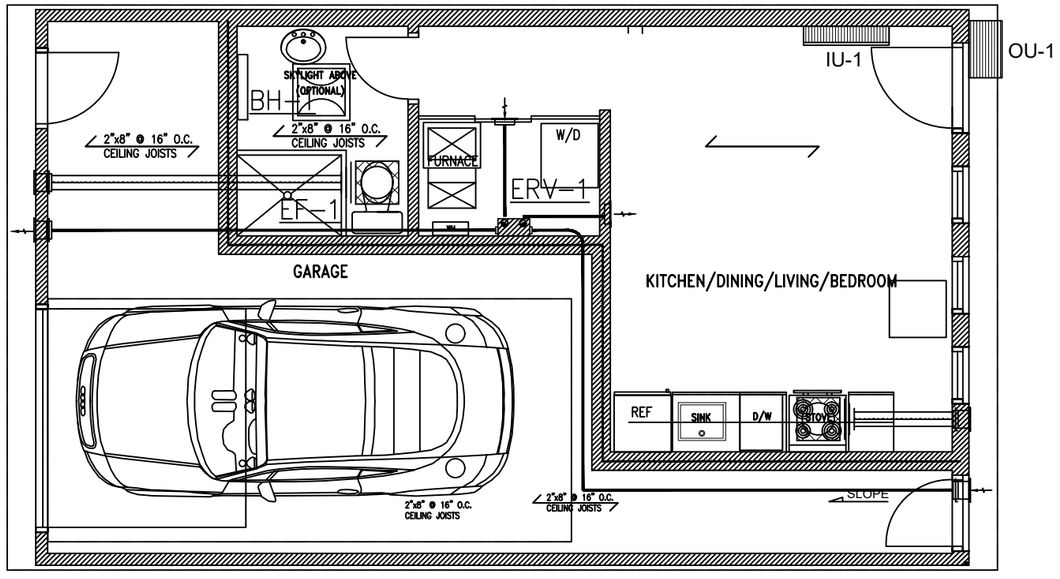
UNIT	MAKE	MODEL #	HEATING OUTPUT
BH-1	ELEC. BASEBOARD HEATER	GENERIC	1909 BTU/h (563 W)

INSTALL COLD-CLIMATE HEAT PUMP



HRV/ ERV SCHEMATIC
NOT TO SCALE

EXHAUST FAN KITCHEN 110 CFM/ Ø6"/1.3 SONES OR RANGE HOOD (MIN 100CFM & TO BE SELECTED BY CONTRACTOR WITH OWNER/ ARCHITECT).



OBC 9.32.3.13.(3) THE DISTANCE SEPARATING AIR INTAKES FOR MECHANICAL VENTILATION FROM EXHAUST OUTLETS THAT ARE POTENTIAL SOURCES OF CONTAMINANTS, SUCH AS GAS VENTS OR OIL FILL PIPES, SHALL BE NOT LESS THAN 1800 mm. (REFER TO KITCHEN EXHAUST AND ERV/HRV INTAKE LOCATIONS).

OBC 6.3.2.10.(7) EXHAUST DUCTS CONNECTED TO LAUNDRY DRYING EQUIPMENT SHALL BE,
(A) INDEPENDENT OF OTHER EXHAUST DUCTS,
(B) DESIGNED AND INSTALLED THAT THE ENTIRE DUCT CAN BE CLEANED, AND
(C) CONSTRUCTED OF SMOOTH CORROSION-RESISTANT MATERIAL.

ERV TO BE INSTALLED AS PER MANUFACTURER SPECIFICATION.

STUDIO LANEWAY HOUSING

SB-12 Table 3.1.1.2.A (IP),ZONE 1 - COMPLIANCE PACKAGE A1
TOTAL HEAT LOSS-12379 BTU/H

NO.	REVISION	DATE

TITLE: STUDIO LANEWAY HOUSING PRE-APPROVED PLANS

DATE: MARCH 2025

SCALE: 3/16"=1'

DRAWING NO.: M1

CITY OF TORONTO
TORONTO BUILDING DIVISION
DEVELOPMENT AND GROWTH SERVICES
100 QUEENS ST W
TORONTO, ON, M5H 2N2

NEW PLUMBING CONNECTION TO BE IN ACCORDANCE WITH OBC 7.1.2.4.

INSULATE ALL PIPES EXPOSED TO UNCONDITIONED SPACE, PROTECTION AGAINST FREEZING, AS PER OBC 7.3.5.3.

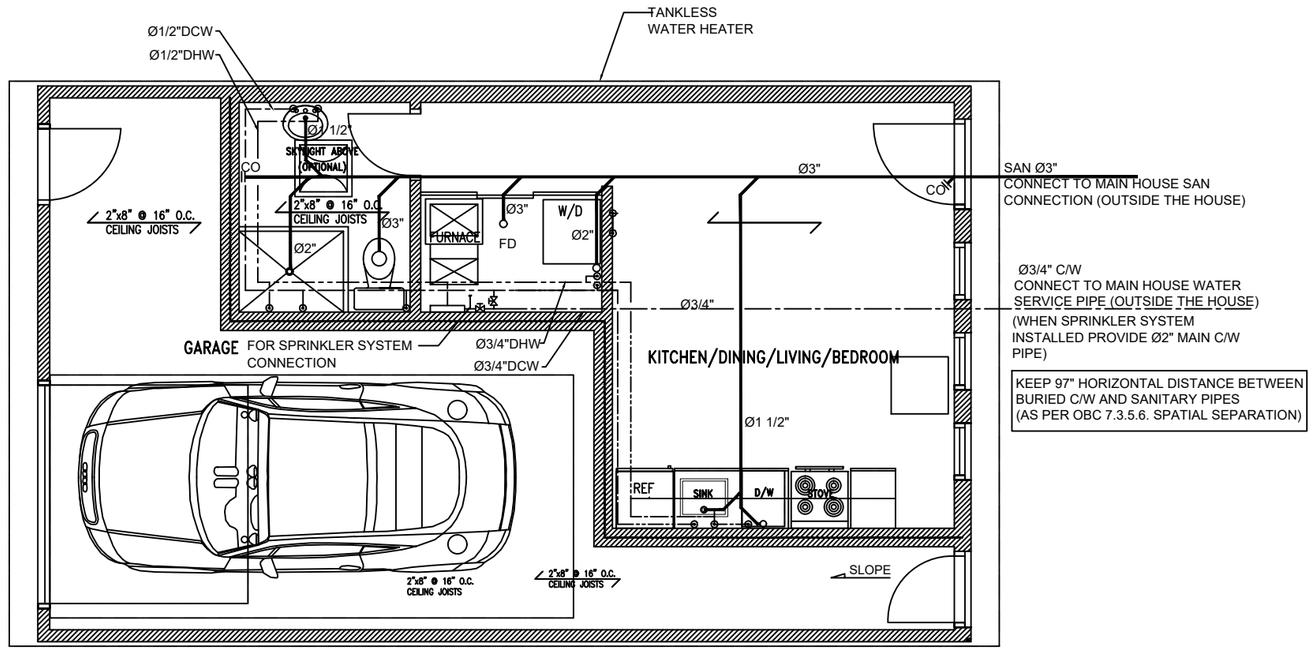
INSTALL SANITARY CLEANOUT AT EACH CHANGE OF DIRECTION GREATER THAN 45 DEG, AS PER OBC 7.4.7.1.

EVERY DRAINAGE PIPE SHALL HAVE A DOWNWARD SLOPE IN THE DIRECTION OF FLOW OF AT LEAST 1 IN 50, AS PER OBC 7.4.8.

TRAP PROTECTION TO BE INSTALLED AS PER OBC 7.4.5.

CONTRACTOR TO VERIFY IF ANY PIPING IS TOO LOW TO DRAIN BY GRAVITY. IF TOO LOW, SUBMIT PLUMBING DESIGN REVISION TO INCLUDE SEWAGE EJECTOR PUMP.

OBC 7.4.9.3.(3) WHERE CLOTHES WASHERS DO NOT DRAIN TO A LAUNDRY TRAY,THE TRAP INLET SHALL BE NOT LESS THAN NPS 2 AND BE FITTED WITH A VERTICAL STANDPIPE THAT IS NOT LESS THAN 600 mm LONG MEASURED FROM THE TRAP WEIR AND TERMINATES ABOVE THE FLOOD LEVEL RIM OF THE CLOTHES WASHER.



LSH-2 PACKAGE
LANEWAY STUDIO
HEAT PUMP- FIRE ALARM OPTION

FOR REFERENCE ONLY

NO.	REVISION	DATE

TITLE:
STUDIO LANEWAY HOUSING
PRE-APPROVED PLANS

DATE: MARCH 2025

SCALE: 3/16"=1'

DRAWING NO.: P1

STUDIO LANEWAY HOUSING

CITY OF TORONTO
TORONTO BUILDING DIVISION
DEVELOPMENT AND GROWTH SERVICES
100 QUEENS ST W
TORONTO, ON, M5H 2N2

PLUMBING AND DRAINAGE NOTES

1. ALL DRAINAGE PIPING 3" OR LESS SHALL BE SLOPPED IN THE DIRECTION OF FLOW.
2. ALL DRAINAGE PIPING 4" OR LARGER SHALL BE SLOPPED IN THE DIRECTION OF THE FLOW.
3. SANITARY DRAIN AND VENT PIPING ABOVE GRADE SHALL BE TYPE:
   DMW HRD COPPER FITTINGS TO ASTM B306. WITH CAST BRASS OR WROUGHT COPPER CERTIFIED TO CAN/CSA B125, OR
   ABS SCHEDULE 40 PLASTIC PIPE CERTIFIED TO CAN/CSA-B181.1,
   PVC SCHEDULE 40 PLASTIC PIPE CERTIFIED TO CAN/CSA-B181.12.,
   XFR-PVC SCHEDULE 40 CERTIFIED TO CAN/CSA B181.2, "PVC DRAIN, WASTE AND VENT PIPE FITTINGS".
   IPEX-SYSTEM 15 (DWV) SCHEDULE 40 CERTIFIED TO CAN/CSA-B181.2, "PVC DRAIN, WASTE AND VENT PIPE AND FITTINGS", OR
   CAST IRON PIPE CERTIFIED TO ASTM A888, PLAIN ENDS, ALL COUPLINGS SHALL BE HUBLESS JOINTS COUPLINGS WITH NEOPRENE GASKETS AND STAINLESS STEEL SHIELD AND CLAMPS.
4. SANITARY DRAIN PIPING BELOW GRADE SHALL BE HUBLESS CAST IRON PIPE CERTIFIED TO ASTM A888, PLAIN ENDS, ALL COUPLINGS SHALL BE HUBLESS JOINT COUPLINGS WITH NEOPRENE GASKETS AND STAINLESS STEEL SHIELD AND CLAMPS.
   DRAIN BELOW GRADE SHALL BE ABS SDR. USED UNDERGROUND OUTSIDE OF BUILDING OR UNDER A BUILDING. SANITARY DRAINAGE SYSTEM SHALL BE CERTIFIED TO CAN/CSA-B182.2, CAN/CSA-B181.1, OR
   DRAIN BELOW GRADE SHALL BE PLASTIC PIPE, USED UNDERGROUND OUTSIDE OF BUILDING OR UNDER THE BUILDING. A SANITARY DRAINAGE SYSTEM OR VENTING SYSTEM SHALL BE CERTIFIED TO (C) CAN/CSA-B181.2, "PVC DRAIN, WASTE AND VENT PIPE AND PIPE FITTINGS.
   IPEX-SYSTEM 15 (DWV) SCHEDULE 40 CERTIFIED TO CAN/CSA-B181.2., IPEX BDS (BUILDIND DRAIN, SEWER AND STORM) CERTIFIED TO CAN/CSA.
5. PUMPED DRAIN PIPING BELOW GRADE SHALL BE TYPE K SOFT COPPER, ASTM B88 SEAMLESS PLAIN ENDS.
6. PROVIDE TRAP SEAL PRIMING TO ALL FLOOR DRAINS AS INDICATED WITH P-TRAPS IN ACCORDANCE WITH ONTARIO BUILDING CODE, PART 7 AND THE REQUIREMENTS OF ALL LOCAL AUTHORITIES HAVING JURISDICTION.
7. LOCATE AND CONFIRM ELEVATIONS OF ALL SANITARY DRAINAGE TIE-IN POINTS.
8. INSTALL AND TEST ALL PLUMBING AND DRAINAGE SYSTEMS IN ACCORDANCE WITH ONTARIO BUILDING CODE AND THE REQUIREMENTS OF ALL LOCAL AUTHORITIES HAVING JURISDICTION.
9. FINAL LOCATIONS OF ALL FLOOR DRAINS TO BE CONFIRMED IN THE FIELD TO SUIT PROCESS EQUIPMENT LAYOUT AND INTERIOR WALLS.

ALL SANITARY VENT TERMINALS THAT PASSES THROUGH EXTERIOR WALLS SHALL BE VERTICAL, MINIMAL SIZE OF 3" AND TERMINATE A MINIMAL DISTANCE OF 1 METER ABOVE FROM ANY OPENABLE WINDOW, DOOR AND AIR INLET OR CONNECT DIRECTLY TO A BRANCH VENT OR VENT STACK WITHIN THE BUILDING.

PROVIDE SHUT OFF VALVES FOR A HOT AND COLD WATER SUPPLY LINES FOR EVERY INDIVIDUAL RESIDENTIAL SUITE IN ORDER TO INSULATE INDIVIDUAL SUITE WITHOUT AFFECTING THE WATER SUPPLY TO ANY OTHER AREA WITHIN THE BUILDING.

REMOVE CAPS FROM TEMPERATURE AND PRESSURE SAFETY RELIEF VALVE PARTS ON HOT WATER TANKS AND INSTALL TEMPERATURE AND PRESSURE SAFETY RELIEF VALVES.

PROVIDE A MIXING VALVE OR OTHER MEANS TO MAINTAIN A MAXIMUM HOT WATER TEMPERATURE OF 49°C TO ALL RESIDENTIAL SUITE.

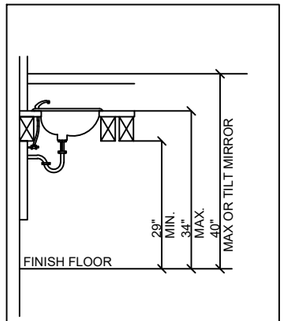
PROVIDE A TRAP SEAL PRIMER OR AN EQUALLY EFFECTIVE WAY TO PROVIDE A TRAP SEAL FOR ALL FLOOR DRAINS AND TUB DOORS.

FIRE RATED PVC (XFR) PIPES SHALL BE USED FOR EACH PIPE PENETRATES THRU FIRE RATED ASSEMBLY.
ABS PIPES CAN BE USED WITHIN THE UNITS. PROVIDE FIRE STOP DONUTS AT EACH PIPE PENETRATION THRU FIRE RATED ASSEMBLY.

PROVIDE VALVE $\frac{1}{2}$" COLD/ HOT WATER PIPING CONNECTIONS TO ALL PLG FIXTURES.

ALL SANITARY PIPES UNDER RAISED FLOOR OR SLAB, AND C/W AND H/W PIPE IN CEILING.

CONTRACTOR TO LOCATE ON SITE CONNECTION MAIN COLD WATER LINE, HOT WATER TANK AND DRAIN LINES IN MAIN BUILDING.



STANDARD VANITY DETAIL

PLUMBING LEGEND

———	SANITARY DRAINAGE
—·—·—	DOMESTIC COLD WATER
—··—··—	DOMESTIC HOT WATER
CO	CEANOUT
FDO	FLOOR DRAIN

PLUMBING FIXTURE CONNECTION

TAG	DESCRIPTION		WATER		DRAIN	
			H.W.	H.W.	WASTE	VENT
WC	WATER CLOSET		-	1/2"	3"	1 1/2"
L	LAVATORY		1/2"	1/2"	1 1/2"	1 1/4"
KS	KITCHEN SINK		1/2"	1/2"	2"	1 1/2"
FD	FLOOR DRAIN		-	-	3"	1 1/2"
SH	SHOWER		1/2"	1/2"	1 1/2"	1 1/4"
TUB	BATH TUB		1/2"	1/2"	2"	1 1/2"
DW	DISHWASHER		1/2"	-	2"	1 1/2"

LSH-2 PACKAGE
LANEWAY STUDIO
HEAT PUMP- FIRE ALARM OPTION

FOR REFERENCE ONLY

NO.	REVISION	DATE

TITLE:
PLUMBING NOTES
PRE-APPROVED PLANS

DATE: MARCH 2025

SCALE: 3/16"=1'

DRAWING NO.: P2

CITY OF TORONTO
TORONTO BUILDING DIVISION
DEVELOPMENT AND GROWTH SERVICES
100 QUEENS ST W
TORONTO, ON, M5H 2N2

FIRE ALARM LEGEND

RFCU	RESIDENTIAL FIRE WARNING CONTROL UNIT
	SMOKE ALARM WITH VISUAL SIGNALING COMPONENTS
	FIRE ALARM SMOKE DETECTOR
	FIRE ALARM HEAT DETECTOR
	FIRE ALARM PULL STATION
	FIRE ALARM SIGNALING DEVICE
SA	SELF CONTAINED 120V CARBON MONOXIDE AND SMOKE DETECTOR
CO	CARBON MONOXIDE DETECTOR
	HORN STROBE
RB	FIRE ALARM MINI HORN C/W RESET BUTTON
C	CEILING SPEAKER
S	STROBE
N	NEW
R	RELOCATED OR REMOVED
EX	EXISTING

FIRE ALARM NOTES

THE SYSTEM MUST CONFORM TO THE LATEST APPLICABLE STANDARDS OF ULC, CSA AND REQUIREMENTS OF THE ONTARIO FIRE CODE (OFC), ONTARIO BUILDING CODE (OBC) AND THE AUTHORITY HAVING JURISDICTION.

1. SMOKE ALARMS ARE REQUIRED TO COMPLY WITH CAN/ULC-S531, "SMOKE ALARMS", AND HAVE VISUAL SIGNALING COMPONENT.
2. SMOKE ALARMS/WARNING SYSTEM MUST HAVE A RESIDENTIAL FIRE WARNING SYSTEM THAT IS INSPECTED, TESTED AND MAINTAINED IN ACCORDANCE WITH CAN/ULC-S540 AND THE APPLICABLE PROVISIONS IN THE ONTARIO FIRE CODE (OFC)
3. THE FIRE ALARM SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE OBC, DIV B, PART 3, SUBSECTION 3.2.4., AND IN CONFORMANCE WITH CAN/ULC-S524, "INSTALLATION OF FIRE ALARM SYSTEMS".
4. THE VERIFICATION OF THE FIRE ALARM SYSTEMS IS REQUIRED PRIOR TO FINAL TESTING AND SHALL BE DONE IN ACCORDANCE WITH CAN/ULC -S537 "THE STANDARD FOR THE VERIFICATION OF FIRE ALARM SYSTEMS"
5. THE FIRE ALARM SOUND PRESSURE LEVELS AND TEMPORAL PATTERNS SHALL CONFIRM TO OBC, DIV. B, PART 3, ARTICLE 3.2.4.18. THE SOUND PRESSURE LEVELS SHALL NOT BE LESS THAN 10dBA ABOVE AMBIENT NOISE AND SHALL BE MINIMUM 65dBA.
6. EMERGENCY POWER SHALL BE PROVIDED FOR FIRE ALARM SYSTEMS, AS PER OBC, DIV. B, PART 3, ARTICLE 3.2.7.8.

NOTE

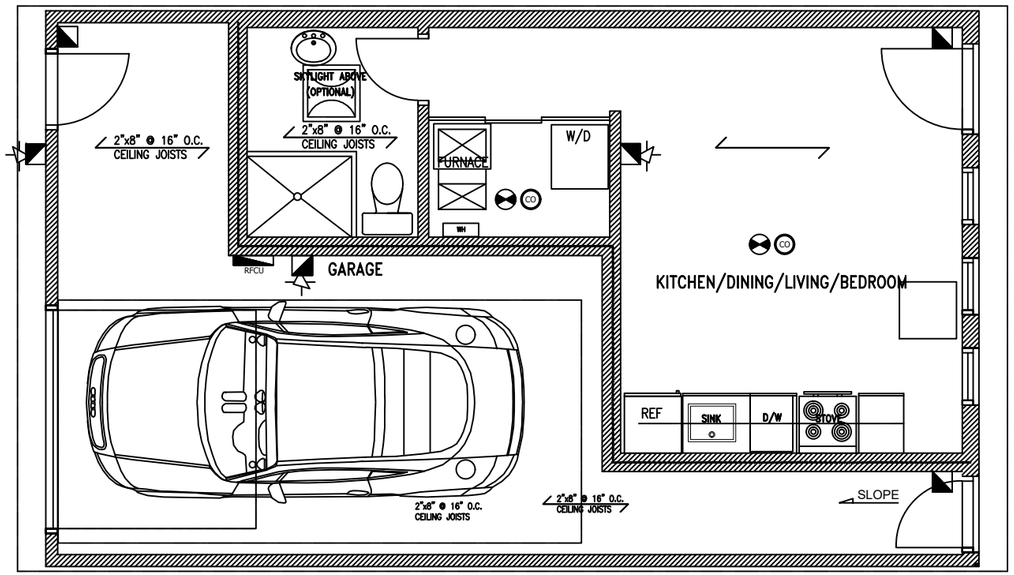
CONTRACTOR TO INSTALL EXTERIOR STROBE LIGHT ON EXTERIOR SIDE OF THE BUILDING FACING THE LANEWAY.
-MUST CONFORM TO CAN/ULC-S540, "RESIDENTIAL FIRE AND LIFE SAFETY WARNING SYSTEMS: INSTALLATION, INSPECTION, TESTING AND MAINTENANCE".
-MUST CONFORM TO CAN/ULC-S526, "VISIBLE SIGNAL DEVICES FOR FIRE ALARM SYSTEMS, INCLUDING ACCESSORIES".
-THE STROBE IS TO BE RATED FOR EXTERIOR USE AND ACTIVATED BY THE INTERCONNECTED SMOKE ALARMS LOCATED WITHIN THE LANEWAY SUITE.
-THE STROBE IS TO BE LOCATED AT A MINIMUM HEIGHT OF 1.8M ABOVE THE ADJACENT GROUND LEVEL AND BE VISIBLE FROM THE LANEWAY WITH CONSIDERATION OF OBSTRUCTIONS SUCH AS TREES AND FENCING.
-A CONTROL PANEL MUST BE INCLUDED AS A PART OF THIS SYSTEM.

OPTION 2: INCREASED FIRE PROTECTION MATERIALS AND BUILDING METHODS; EXTERIOR STROBE LIGHT; AND SMOKE ALARMS/WARNING SYSTEM

- THE STROBE LIGHT IS REQUIRED TO FACE THE LANEWAY SUITE.
- STROBE LIGHT TO BE RATED FOR THE OUDOOR USE AND ACTIVATED BY THE INTERCONNECTED SMOKE ALARMS OR HEAT DETECTORS WITHIN THE SUITE.
- THE FINAL STROBE DESIGN AND LOCATION WILL BE REQUIRE TO BE INSPECTED, TESTED AND MAINTAINED IN ACCORDANCE WITH SECTION 6.5 OF THE OFC.

SEQUENCE OF OPERATIONS:

1. UPON DETECTION OF SMOKE BY ANY OF THE SMOKE ALARMS, THAT PARTICULAR SMOKE ALARM SOUND SHALL BECOME AUDIBLE AND STROBE LIGHT SHALL ILLUMINATE ON/OFF IN A STROBE LIKE MANNER.
2. FURTHER TO POINT 1, ALL OTHER SMOKE ALARMS WITHIN THE LANEWAY SUITE SHALL BECOME AUDIBLE AND LIGHT STROBE SHALL ILLUMINATE ON/OFF IN A STROBE LIKE MANNER FOR ALL SMOKE ALARMS.
3. FURTHER TO POINT 1 AND 2, UPON SMOKE DETECTION BY ANY SMOKE ALARM WITHIN THE LANEWAY SUITE, THE EXTERIOR STROBE LIGHT SHALL ILLUMINATE ON/OFF IN STROBE LIKE MANNER.



STUDIO LANEWAY HOUSING

LSH-2 PACKAGE
LANEWAY STUDIO
HEAT PUMP- FIRE ALARM OPTION

FOR REFERENCE ONLY

NO.	REVISION	DATE

TITLE:
FIRE ALARM LAYOUT
PRE-APPROVED PLANS

DATE: JUNE 2025
SCALE: 3/16"=1'
DRAWING NO.: FA1

CITY OF TORONTO
TORONTO BUILDING DIVISION
DEVELOPMENT AND GROWTH SERVICES
100 QUEENS ST W
TORONTO, ON, M5H 2N2