

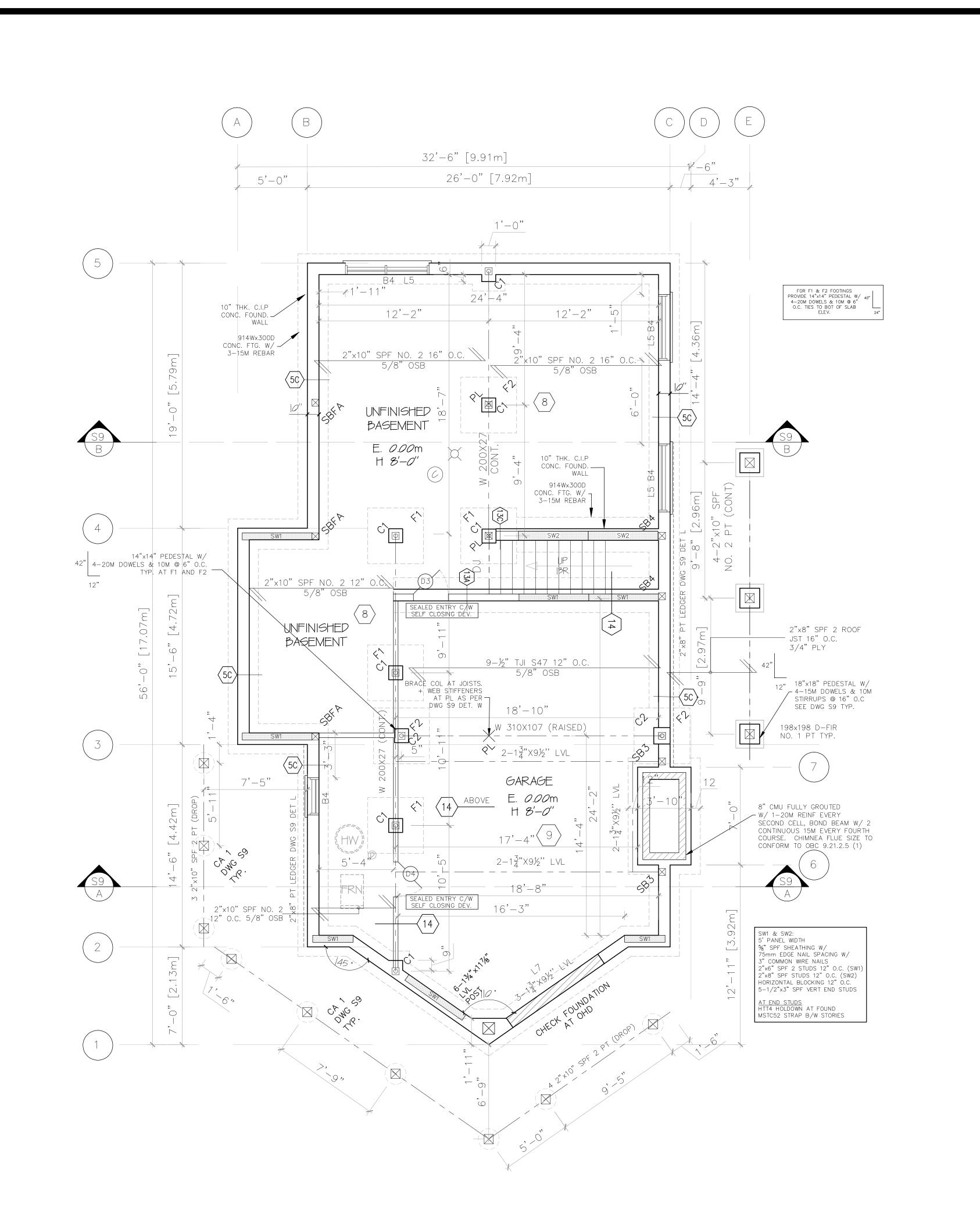
General Notes

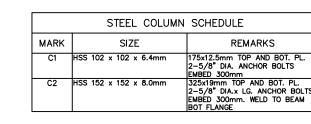
SITE PLAN

MACCHIA RESIDENCE

LOT 51 - SUNSET BOULEVARD
SINGLE FAMILY DWELLING
Town of The Blue Mountains, Ontario

Project	1770	Sheet
Date	SEPT '18	S1
Scale	1:175	





LVL BEAMS SHALL BE 2.0E MIN BY WAYERHAUSER OR APPROVED EQUIV. NAIL EACH PLY OF LVL WITH 89mm LG. COMMON WIRE NAILS @ 300mm O.C. STAGGERED IN 2 ROWS FOR DEPTHS UP TO 11-7/8" AND 3 ROWS FOR GREATER DEPTHS AND FOR 4 PLY MEMBERS ADD 13mm DIA. GALV. BOLTS BOLTED AT MID—DEPTH OF BEAM AT 400mm O.C.

## FOUNDATION GENERAL NOTES: OBC 9.15.3. . ALL CONCRETE FOOTINGS SHALL REST ON UNDISTURBED SOIL WITH ALLOWABLE BEARING CAPACITY OF 150 KPA. (TO BE SITE VERIFIED) AND BE FOUNDED A MIN. OF 4'0" BELOW FINISHED GRADE. CONCRETE FOOTINGS AND FOUNDATION WALLS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 30 MPA AFTER 28 DAYS.

- DAYS.

  3. STRUCTURAL STEEL MEMBERS AND INSERTS SHALL BE CSA PURPOSE STEEL.

  4. BACKFILL SHALL BE PLACED AND COMPACTED EQUALLY ON BOTH SIDES OF GARAGE FOUNDATION WALLS TO AVOID LATERAL LOADING.

NOTE: ALL TIMBER TO BE SEPARATED FROM CONCRETE WITH 0.05mm(0.002")POLY.FILM OR TYPE S ROLL ROOFING. (9.17.4.3.

### ALL STEEL BEAMS SHALL HAVE 6"BEARING & ON 8"x8" vs. STEEL PLATE (FOR POURED CONCRETE FOUNDATION WALL). Mark Mark

- Mark Size Reinforcing

  F1 4'-6'x4'-6'
  x20' D. 6-15M B.E.W.

  F2 5'-0"x5'-0"
  x24' D. 7-15M B.E.W.

  F3 3'-0"x3'-0"
  x12" D. 3-15M B.E.W.

  B.E.W. BOTTOM EACH WAY

SOLID BLOCKING @ 16"O.C FIRST JOIST SPAN WHEN PARALLEL W/EXTERIOR WALL		; 200mmX8mm TE WELD TO BE	
FARALLEL W/EXTERIOR WALL			
	<u>BEAM</u>	SCHEDULE	
MAX. HEIGHT FOR 2x6" EXT. WALL	B1	2-2"x8"	SPF.#2
2x6" @ 16" 0.C12'-6"	B2	3-2"x8"	SPF.#2
2X6" @ 12" 0.C13'-10"	В3	2-2"x10"	SPF.#2
2.00 0 12 0.0. 10 10	l R/I	3_2"∨1∩"	SDE II

2-2X6" @ 16" 0.C.-15'-0" 2-2X6" @ 12" 0.C.-17'-4" MAX.HEIGHT FOR 2X8" EXT. WALL 2X8" @ 16" O.C.-16'-0" 2X8" @ 12" O.C.-17'-9" 2-2X8" @ 16" O.C.-20'-4" 2-2X8" @ 12" O.C.-22'-4"

# 3-2"x10" SPF.#2 2-2"x12" SPF.#2 3/2"x12" SPF.#2 2-13/4"×117/8" LVL | NTEL SCHEDULE (METRIC) | 1 90x90x6.0 mm | 2 90x90x8.0 mm | 3 100x90x6.0 mm | 4 125x90x8.0 mm | 5 125x90x10.0 mm | 6 150x100x10.0 mm | 7 200x100x10.0 mm |

### EXHAUST FAN - 50CFM VENTED TO OUTSIDE

- CARBON MONOXIDE DETECTOR
- CEILING MOUNTED SMOKE ALARM (INTER-CONNECTED)
- SOLID BEARING TO BE AS WIDE AS SUPPORTED MEMBER (MIN. 2 PIECES) SOLID WOOD BEARING TO MATCH
  - FROM ABOVE DOUBLE JOIST
- TRIPLE JOIST LVL LAMINATED VENEER LUMBER
- PRESSURE TREATED LUMBER GIRDER TRUSS BY MANU.

ALL MATERIAL FINISHES TO BE DETIRMINED BY HOME OWNER DURING CONSTRUCTION

DOOR SCHEDULE		
MK	SIZE	FPR
D1	34"W X 8'0"	1HF
D2	28"W X 6'8" - WOOD	N/A
D3	30"W X 6'8" - WOOD	N/A
D4	32"W X 6'8" - WOOD	N/A
CD.	3 _ 3_2"V"6" SOLID P	EVBINIC

SB3 - 3-2"X"6" SOLID BEARING
SB4 - 4-2"X"6" SOLID BEARING
SB5 - 5-2"X"6" SOLID BEARING
SB6 - 5-2"X8" SOLID BEARING
ALL SOLID BEARING TO BE BRACED
AT TOP AND BOTTOM



General Notes

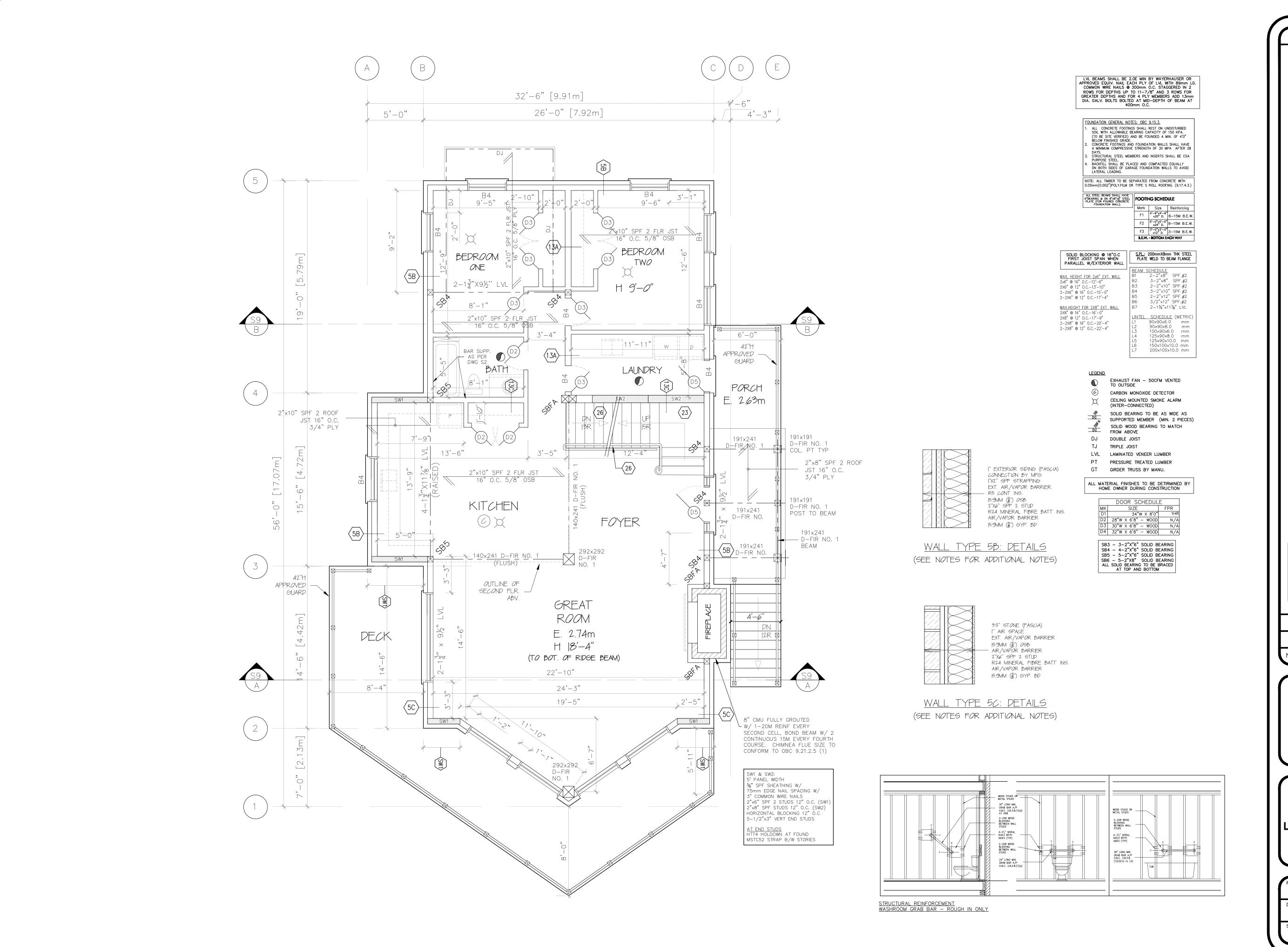
LASONNE ENGINEERING LTD. KLEINBURG 416.662.2673

No.	Revision/Issue	Date

**PLAN BASEMENT** 

MACCHIA RESIDENCE

		- ·
Project	1770	Sheet
Date	SEPT '18	S2
Scale	$\frac{1}{4}$ " = 1'-0"	





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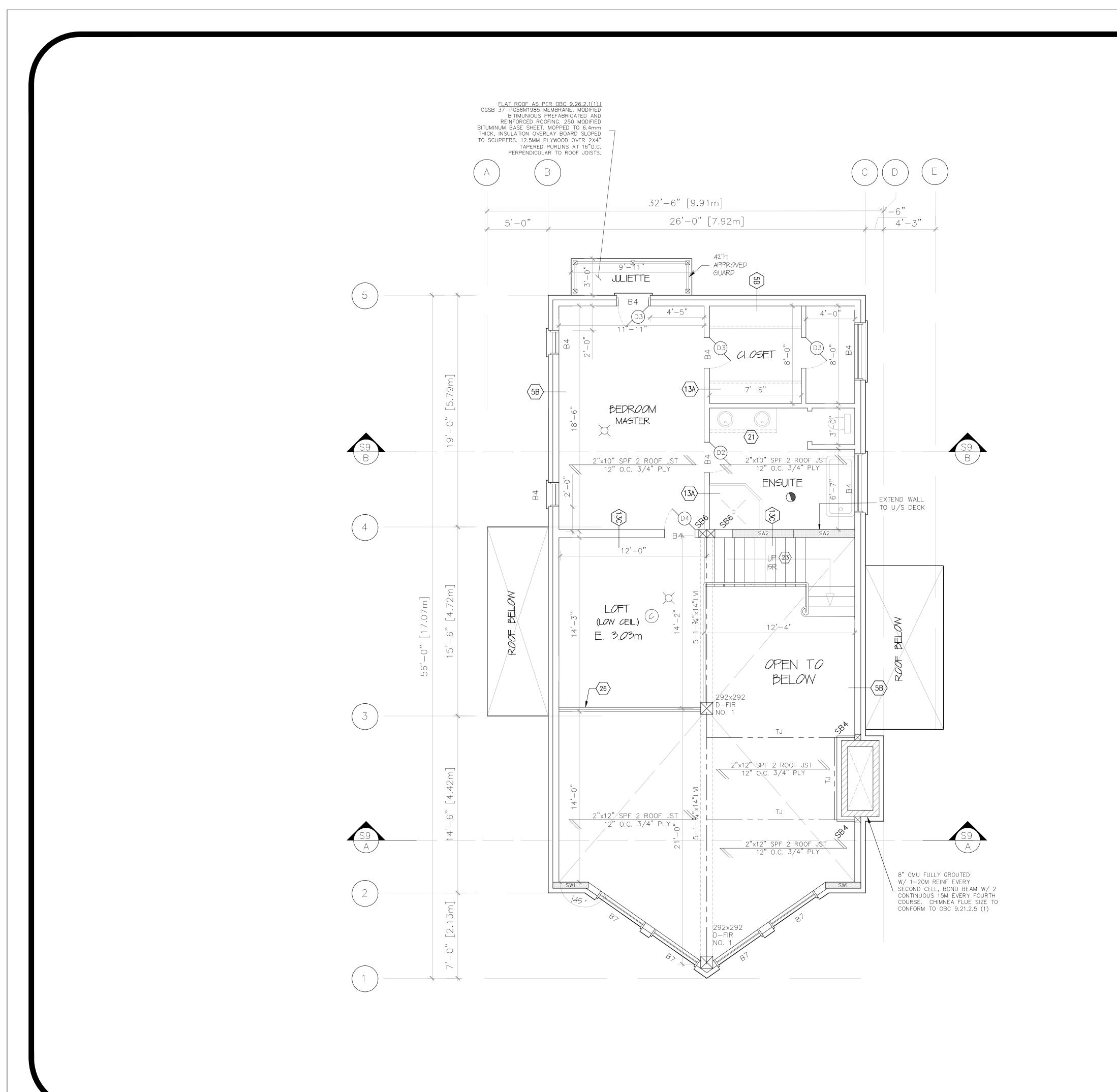
Revision/Issue

Date

PLAN FIRST FLOOR

MACCHIA RESIDENCE

Project	1770	Sheet
Date	SEPT '18	S3
Scale	$\frac{1}{4}$ " = 1'-0"	





FOUNDATION GENERAL NOTES: OBC 9.15.3. ALL CONCRETE FOOTINGS SHALL REST ON UNDISTURBED SOIL WITH ALLOWABLE BEARING CAPACITY OF 150 KPA. (TO BE SITE VERIFIED) AND BE FOUNDED A MIN. OF 4'0" BELOW FINISHED GRADE.

CONCRETE FOOTINGS AND FOUNDATION WALLS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 30 MPA AFTER 28 DAYS. DAYS.

3. STRUCTURAL STEEL MEMBERS AND INSERTS SHALL BE CSA PURPOSE STEEL.

4. BACKFILL SHALL BE PLACED AND COMPACTED EQUALLY ON BOTH SIDES OF GARAGE FOUNDATION WALLS TO AVOID LATERAL LOADING.

NOTE: ALL TIMBER TO BE SEPARATED FROM CONCRETE WITH 0.05mm(0.002")POLY.FILM OR TYPE S ROLL ROOFING. (9.17.4.3.)

SOLID BLOCKING @ 16"O.C FIRST JOIST SPAN WHEN PARALLEL W/EXTERIOR WALL MAX. HEIGHT FOR 2x6" EXT. WALL 2x6" @ 16" 0.C.-12'-6" 2X6" @ 12" 0.C.-13'-10" 2-2X6" @ 16" 0.C.-15'-0"

2-2X6" @ 12" O.C.-17'-4" MAX.HEIGHT FOR 2X8" EXT. WALL 2X8" @ 16" O.C.-16'-0" 2X8" @ 12" O.C.-17'-9" 2-2X8" @ 16" 0.C.-20'-4" 2-2X8" @ 12" 0.C.-22'-4"

3-2"x8" SPF.#2 2-2"x10" SPF.#2 3-2"x10" SPF.#2 2-2"x12" SPF.#2 3/2"x12" SPF.#2 2-1¾"×11%" LVL LINTEL SCHEDULE (METRIC)
L1 90x90x6.0 mm
L2 90x90x8.0 mm
L3 100x90x6.0 mm
L4 125x90x8.0 mm
L5 125x90x10.0 mm
L6 150x100x10.0 mm
L7 200x100x10.0 mm

EXHAUST FAN - 50CFM VENTED TO OUTSIDE

CARBON MONOXIDE DETECTOR

CEILING MOUNTED SMOKE ALARM (INTER-CONNECTED) SOLID BEARING TO BE AS WIDE AS

SUPPORTED MEMBER (MIN. 2 PIECES) SOLID WOOD BEARING TO MATCH

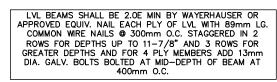
FROM ABOVE DJ DOUBLE JOIST

TJ TRIPLE JOIST LVL LAMINATED VENEER LUMBER

PT PRESSURE TREATED LUMBER GT GIRDER TRUSS BY MANU.

ALL MATERIAL FINISHES TO BE DETIRMINED BY HOME OWNER DURING CONSTRUCTION

SB3 - 3-2"X"6" SOLID BEARING SB4 - 4-2"X"6" SOLID BEARING SB5 - 5-2"X"6" SOLID BEARING SB6 - 5-2"X8" SOLID BEARING ALL SOLID BEARING TO BE BRACED AT TOP AND BOTTOM



ALL STEEL BEAMS SHALL HAVE
6 BEARING & ON B'x8'x4' STEEL
PLATE (FOR POURED CONCRETE
FOUNDATION WALL). Mark Size Reinforcing

F1 4'-6"x4'-6" 6-15M B.E.W.

F2 5'-0"x5'-0" 9-15M B.E.W.

F3 3"-0"x3"-0" 3-15M B.E.W.

S.PL.: 200mmX8mm THK STEEL PLATE WELD TO BEAM FLANGE



General Notes

LASONNE ENGINEERING LTD. 416.662.2673 KLEINBURG

Revision/Issue

PLAN FIRST FLOOR

MACCHIA RESIDENCE

LOT 51 - SUNSET BOULEVARD SINGLE FAMILY DWELLING

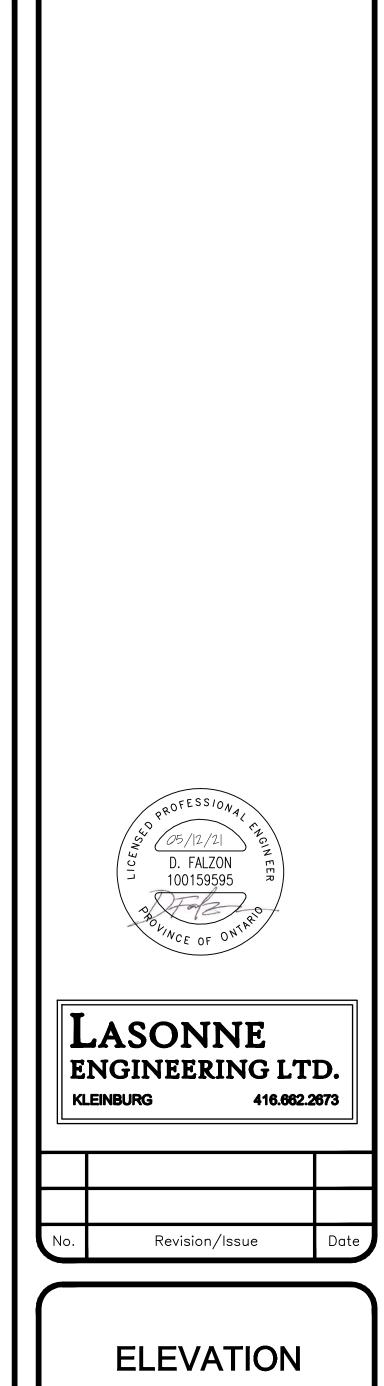
SEPT '18

 $\frac{1}{4}$ " = 1'-0"



CONTRACTOR MUST VERIFY ALL DIMENSIONS IN THE FIELD. ANY DISCREPENCIES MUST BE REPORTED BEFORE PROCEEDING WITH THE WORK.

ALL CONSTRUCTION TO ADHERE TO THESE PLANS AND/OR SPECIFICATIONS AND TO CONFORM TO THE ONTARIO BUILDING CODE AND ALL OTHER APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. THESE REQUIREMENTS ARE TO BE TAKEN AS MINIMUM SPECIFICATIONS. ONT. REG. 332/12.



General Notes

**WEST** 

MACCHIA RESIDENCE

Project	1770	Sheet
Date	SEPT '18	S5
Scale	$\frac{1}{4}$ " = 1'-0"	



General Notes LASONNE ENGINEERING LTD. 416.662.2673 KLEINBURG Revision/Issue

ELEVATIONS EAST

MACCHIA RESIDENCE

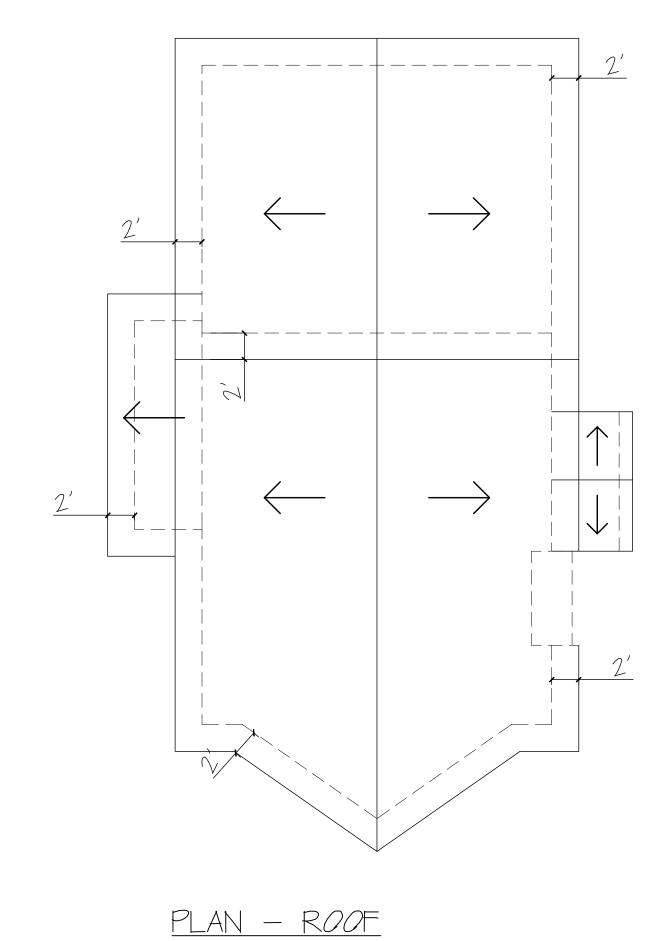
LOT 51 - SUNSET BOULEVARD SINGLE FAMILY DWELLING

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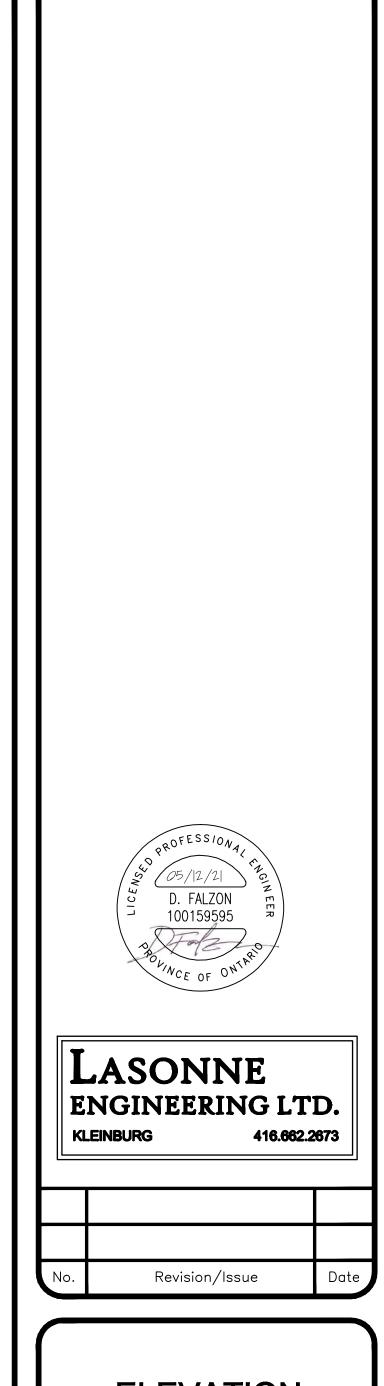
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Date	SEPT '18	S6
Scale	$\frac{1}{4}$ " = 1'-0"	





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General Notes

ELEVATION SOUTH

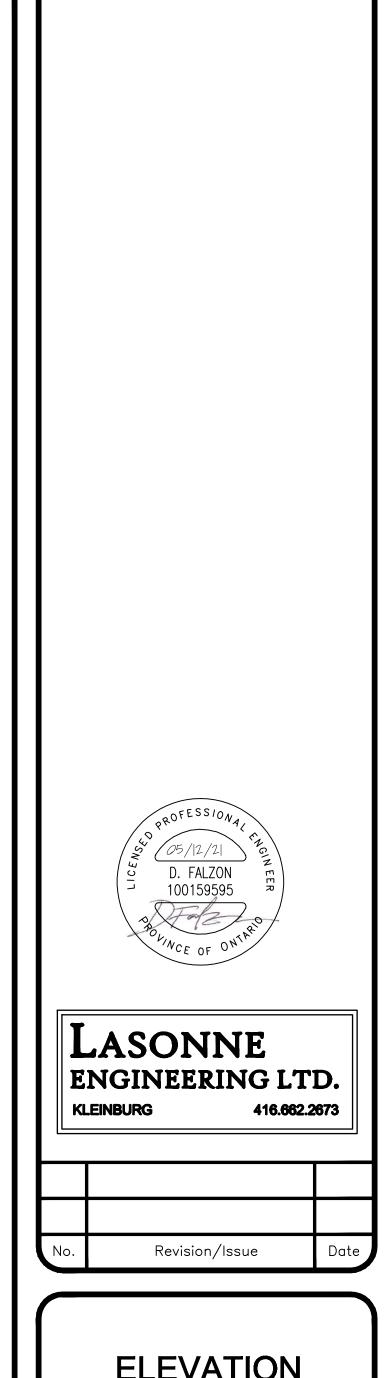
MACCHIA RESIDENCE

Project	1876	Sheet
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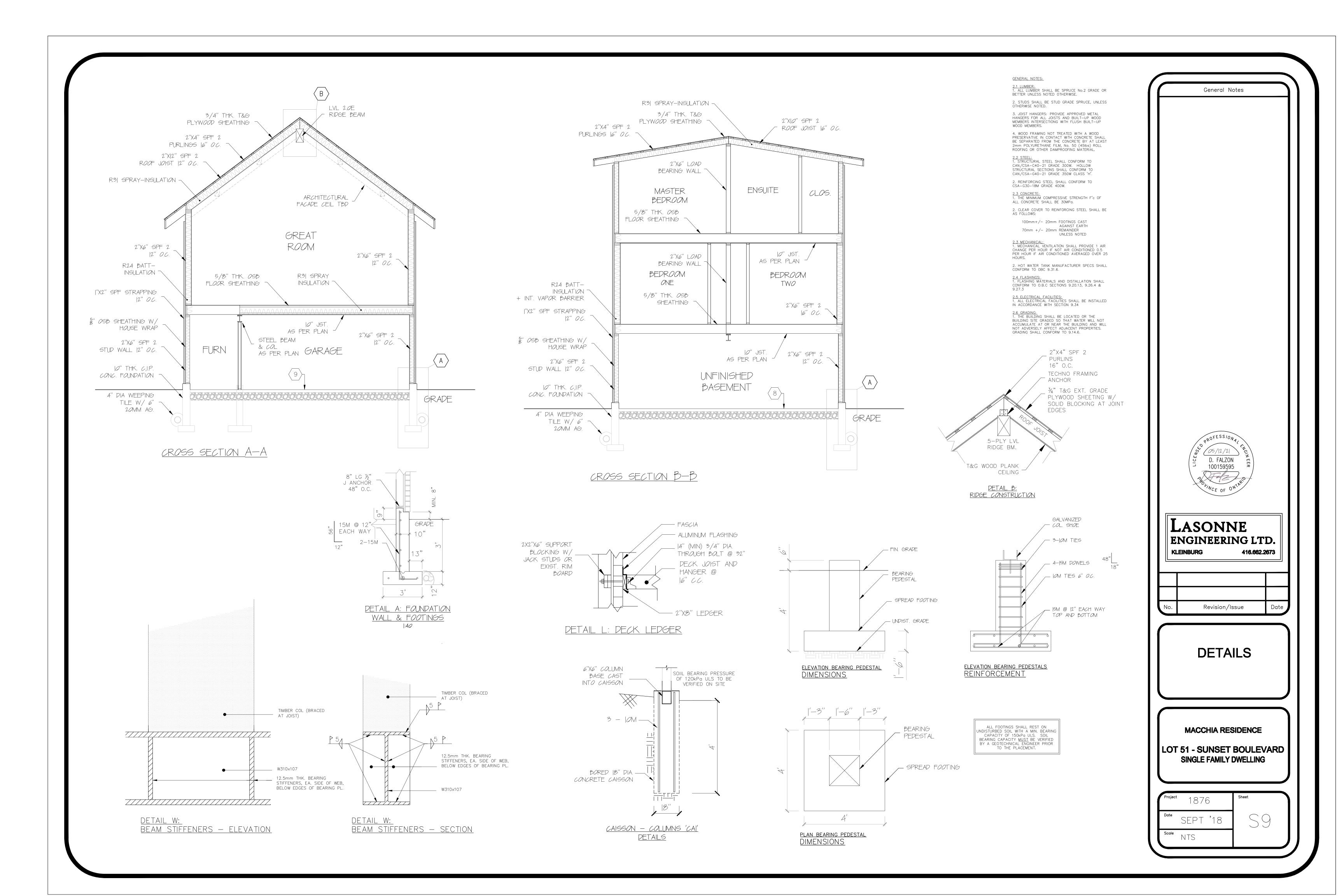


General Notes

ELEVATION NORTH

MACCHIA RESIDENCE

Project	1876	Sheet
Date	SEPT '18	S8
Scale	$\frac{1}{4}$ " = 1'-0"	



GENERAL NOTES:

EXCAVATION AND BACKFILL

1. EXCAVATION SHALL BE UNDERTAKEN IN SUCH A
MANNER SO AS TO PREVENT DAMAGE TO EXISTING STRUCTURES, ADJACENT PROPERTIES AND UTILITIES 2. THE TOPSOIL AND VEGETABLE MATTER IN UNEXCAVATED AREAS UNDER A BUILDING SHALL BE REMOVED. THE BOTTOM OF EXCAVATIONS FOR FOUNDATIONS SHALL BE FREE OF ALL ORGANIC

3. IF TERMITES ARE KNOWN TO EXIST, ALL STUMPS, ROOTS AND WOOD DEBRIS SHALL BE REMOVED TO A MINIMUM DEPTH OF 500MM IN EXCAVATED AREAS UNDER A BUILDING, AND THE CLEARANCE BETWEEN UNTREATED STRUCTURAL WOOD ELEMENTS AND THE GROUND SHALL

4. BACKFILL WITHIN 600MM OF THE FOUNDATION WALLS SHALL BE FREE OF DELETERIOUS DEBRIS AND BOULDERS OVER 250MM IN DIAMETER.

DAMP—PROOFING AND DRAINAGE

1. IN NORMAL SOIL CONDITIONS, THE EXTERIOR SURFACES OF FOUNDATION WALLS ENCLOSING BASEMENTS AND CRAWL SPACES SHALL BE DAMP-PROOFED WHERE HYDROSTATIC PRESSURE OCCURS. A WATERPROOFING SYSTEM IS REQUIRED.

MASONRY FOUNDATION WALLS SHALL BE PARGED WITH 6MM OF MORTAR COVED OVER THE FOOTING PRIOR 3. 100MM DIA. FOUNDATION DRAINS SHALL BE LAID ON LEVEL, UNDISTURBED GROUND ADJACENT TO THE FOOTINGS AT OR BELOW THE TOP OF THE BASEMENT

SLAB OR CRAWL SPACE FLOOR, AND SHALL BE COVERED WITH 150MM OF CRUSHED STONE. FOUNDATION DRAINS HALL DRAIN TO A STORM SEWER, DRAINAGE DITCH, DRY WELL OR SUMP. 4. WINDOW WELLS SHALL BE DRAINED TO THE FOOTING LEVEL OR TO A DITCH OR SUMP PUMP. 5. DOWNSPOUTS NOT DIRECTLY CONNECTED TO A

STORM SEWER SHALL HAVE EXTENSIONS TO CARRY WATER AWAY FROM THE BUILDING, AND PROVISIONS SHALL BE MADE TO PREVENT SOIL EROSION. 6. CONCRETE SLABS IN ATTACHED GARAGES SHALL BE SLOPED TO DRAIN TO THE EXTERIOR.

7. THE BUILDING SITE SHALL BE GRADED SO THAT SURFACE, SUMP AND ROOF DRAINAGE WILL NOT ACCUMULATE AT OR NEAR THE BUILDING AND WILL NOT ADVERSELY AFFECT ADJACENT PROPERTIES. FOOTINGS 1. MINIMUM 30MPA POURED CONCRETE.

2 MINIMUM 1200MM BFLOW FINISHED GRADE. FOOTINGS SHALL BE FOUNDED ON NATURAL UNDISTURBED SOIL, ROCK OR COMPACTED GRANULAR FILL WITH MINIMUM BEARING CAPACITY OF 15KPA. FOUNDATION WALLS

1. TO BE POURED CONCRETE, UNIT MASONRY, ICF OR

PRESERVED WOOD (SEE DRAWINGS FOR TYPE AND THICKNESS). 2. DAMP-PROOFING SHALL BE A HEAVY COAT OF BITUMINOUS MATERIAL. 3. FOUNDATION WALL TO EXTEND MINIMUM 150MM

4. A DRAINAGE LAYER IS REQUIRED ON THE OUTSIDE INSULATION EXTENDS MORE THAN 900MM BELOW EXTERIOR GRADE.

5 A DRAINAGE LAYER SHALL CONSIST OF MIN. 19MM MINERAL FIBRE INSULATION WITH MIN. MIN. 100MM OF FREE DRAINAGE GRANULAR MATERIAL AN APPROVED SYSTEM WHICH PROVIDES EQUIVALENT FOUNDATION WALLS SHALL BE BRACED OR HAVE THE FLOOR JOISTS INSTALLED BEFORE BACKFILLING.

CONCRETE FLOOR SLABS

1. GARAGE, CARPORT AND EXTERIOR SLABS AND EXTERIOR STEPS SHALL BE 32MPA CONCRETE WITH BASEMENT SLAB 25MPA CONCRETE, MINIMUM 75MM THICK, PLACED ON A MINIMUM 100MM OF COARSE, CLEAN, GRANULAR MATERIAL.

3. ALL FILL OTHER THAN COARSE CLEAN MATERIAL

PLACED BENEATH CONCRETE SLABS SHALL BE COMPACTED TO PROVIDE UNIFORM SUPPORT MASONRY WALLS

1. WHERE CONSTRUCTED OF 90MM BRICK, WALL SHALL BE BONDED WITH A HEADER COURSE EVERY 600MM O/C VERTICALLY AND HORIZONTALLY AND 900MM O/C FOR BLOCK OR TILE.

PROVIDE 50MM SOLID MASONRY, CONCRETE FILLED TOP COURSE OR CONTINUOUS 38X89 WOOD PLATE UNDER ALL ROOF AND FLOOR FRAMING MEMBERS. PROVIDE 190MM SOLID MASONRY UNDER BEAMS AND COLUMNS. T. 5. Masonry Wall to be tied to each tier of Joists With 40MM x 4.76MM corrosion resistant

STEEL STRAPS, KEYED MINIMUM 100MM INTO MASONRY. WHEN JOISTS ARE PARALLEL TO WALL, TIES ARE TO EXTEND ACROSS AT LEAST 3 JOISTS @ 2000MM O.C INSIDE OF WALL TO BE PARGED AND COVERED WITH NO. 15 BREATHER-TYPE ASPHALT PAPER. FOR REDUCED FOUNDATION WALLS TO ALLOW A BRICK FACING WHILE MAINTAINING LATERAL SUPPORT, TIE MINIMUM 90MM BRICK TO MINIMUM 90MM BACKUP BLOCK WITH CORROSION RESISTANT TIES AT LEAST 17.8MM IN CROSS SECTIONAL AREA, SPACED 200MM ERTICALLY AND 900MM HORIZONTALLY, WITH JOINTS

COMPLETELY FILLED WITH MORTAR.

8. MASONRY OVER OPENINGS SHALL BE SUPPORTED ON CORROSION RESISTANT OR PRIME PAINTED STE LINTELS WITH A MINIMUM OF 150MM END BEARING. MASONRY VENEER

1. MINIMUM 70MM THICK IF JOINTS ARE NOT RAKED AND 10MM THICK IF JOINTS ARE RAKED. 2. MINIMUM 25MM AIR SPACE TO SHEATHING.

PROVIDE WEEP HOLES @ 800MM O.C. AT THE BOTTOM OF THE CAVITY AND OVER DOORS AND 4. DIRECT DRAINAGE THROUGH WEEP HOLES WITH 0.5MM POLY FLASHING EXTENDING MINIMUM 150MM UP BEHIND THE SHEATHING PAPER.

5. VENEER TIES MINIMUM 0.76MM THICK X 22MM WIDE DRROSION RESISTANT STRAPS SPACED @ 500MM VERTICALLY AND 600MM HORIZONTALLY. FASTEN TIES WITH CORROSION RESISTANT 3.18MM DIAMETER SCREWS OR SPIRAL NAILS WHICH PENETRATE AT LEAST 50MM INTO STUDS.

WOOD FRAME CONSTRUCTION

1. ALL LUMBER SHALL BE SPRUCE-PINE-FIR NO. 1 &
2, AND SHALL BE IDENTIFIED BY A GRADE STAMP MAXIMUM MOISTURE CONTENT 19% AT TIME OF WOOD FRAMING MEMBERS WHICH ARE SUPPORTED ON CONCRETE IN DIRECT CONTACT WITH SOIL SHALL BE SEPARATED FROM THE CONCRETE WITH 0.05MM

EXTERIOR WALLS SHALL CONSIST OF: — CLADDING — AIR BARRIER SYSTEM LAPPED 100MM AT - LUMBER, PLYWOOD, OSB OR GYPSUM 38X140 STUDS @ 400MM O.C. - RSI 4.23 INSULATION

HEADS OF WINDOWS, DOORS AND STEEL SUPPORTS. EXTEND FLASHING A

MINIMUM OF 6" ABOVE WINDOW OR DOOR HEAD, ENSURE THAT FLASHING

IS INSTALLED UNDER BUILDING PAPER. ALL FLASHING TO BE CONTINUOUS PROVIDE WEEPHOLES AT 30" O/C AT ALL WINDOW HEADS, SILLS AND

BASE FLASHING SHALL BE PLACED BENEATH WEEP HOLES AND 6" UP BEHIND WALL SHEATHING PAPER.

PT. GR. WOOD TRIM AND KREZON WOOD PANELLING, ON TYVECK

SPF STUD FRAMING W/ 2 X 6 WOOD GIRT AT MID-HEIGHT, DOUBLE PLATES AT TOP, SILL PLATE AT BOTTOM, 6 MIL SUPER POLY VAPOUR

BARRIER (WARM SIDE) W/ 1/2" GYPSUM BOARD FILLED, TAPED, SANDED, READY FOR PAINT.

7) FOUNDATION WALL CONSTRUCTION
DRAINAGE LAYER W/ FILTER PAPER ON WATER PROOFING ON POURED

CONCRETE/CONC.BLOCKS FOUNDATION AS NOTED ON DRAWINGS, REINFORCING & SIZE AS PER DWG. PROVIDE CONTINUOUS 2 X 6

WOOD SILL PLATE FASTENED W/ 1/2" & X 12" LONG ANCHOR BOLTS

@ 6'-0" O.C. MAX. SET MIN. 6" INTO CONCRETE, SILL PLATE TO BE

PROVIDE 1/2" AIR SPACE W/ 15 LB. BUILDING PAPER, 2 X 4 WOOD STUDS @ 16" O.C. W/ MIN. R-20 CONT. INSULATION, 6 MIL SUPER

NOTED ON DWGS. PROVIDE 3/16" 'BLOCKLOK' @ 16" O.C. VERTICAL.

EXTENTION ABOVE GROUND: EXTERIOR FOUNDATION WALLS SHALL EXTEND NOT LESS THAN 150mm (5 %") ABOVE FINISHED GROUND

FOOTINGS
POURED CONCRETE FOOTINGS WIDTH AND DEPTH AS NOTED ON DWGS.

F'c=30Mpa CONC., REINFORCED AS PER PLAN OR SOIL REPORT.

PROVIDE 4" DIA. WEEPING TILES COVERED W/ 6" MIN. GRANULAR

MATERIAL AND FILTER CLOTH. WATER PROOFING COVED OVER POURFD

ONCRETE FOOTING AT FOUNDATION WALL INTERFACE. (SEE DWGS.

FOR COLUMN FOOTINGS.)
NOTE: ALL NEW FOOTINGS SHALL BEAR ON UNDISTURBED SOIL WITH
ASSUMED BEARING CAPACITY OF 150KpA. TO BE VERIFIED BY
GEOTECHNCAL ENGINEER. STEP FOOTINGS SHALL HAVE 2'-0"

MINIMUM HORIZONTAL STEPS & VERTICAL STEPS NO GREATER THAN

2/3 of Horizontal STEP to a maximum of  $2^{\circ}-0^{\circ}$ . Backfill W/ Non-frost susceptible backfill. For reinforced foundation walls, provide reinforcing as noted on plan.

STUD WALL, AND APPROVED VAPOUR BARRIER TO 610mm(24")BELOW FINISH EXTERIOR GRADE. DAMPPROF WITH BUILDING PAPER BETWEEN

R20 INSULATION BLANKET OR BATTS WITH 23x89mm(2x4")

THE FOUNDATION WALL AND INSULATION UP TO GRADE LEVEL NOTE: FULL HEIGHT INSULATION AT COLD CELLAR WALLS.

100mm (4") CONCRETE SLAB, 25 MPa(3600 psi), ON 00mm(4")

COARSE GRANULAR FILL, OR 20 MPa (3000psi) CONCRETE WITH DAMPPROOFING BELOW SLAB. (PROVIDE DRAIN AS PER DRAWING).

100mm(4") CONCRETE SLAB, COMPRESSIVE STRENGTH 32 MPa

(4640psi), WITH 5-8% AIR ENTRAINMENT ON OPT. 100mm(4") COARS GRANULAR FILL WITH COMPACTED SUB-BASE OR COMPACTED NATIVE FILL. SLOPE TO FRONT AT 2% MINIMUM.

POLY VAPOUR BARRIER AND 1/2" GYPSUM BOARD, FILLED, TAPED,

NOTE: FOR FOUNDATION WALL EXPOSED ABOVE GRADE, PROVIDE STONE VENEER WHERE REQ'D BONDED SOLID TO CONC. FTG. AS

ALLOW FOR FULL CONTACT W/ STONE OR BRICK.

USE 45# ROLL ROOFING OR TYVEK MEMBRANGE.

6 BAY PROJECTION/DORMER WALL CONSTRUCTION

ON A FLEXIBLE SILL GASKET.

(7a) BASEMENT INSULATION

8 BASEMENT SLAB CONSTRUCTION

9 GARAGE SLAB CONSTRUCTION

POLYETHYLENE OR TYPE 'S' ROLL ROOFING.

2. INTERIOR LOADBEARING WALLS SHALL CONSIST OF: 38X89 STUDS @ 400MM 0.0 38X89 BOTTOM PLATE AND DOUBLE38X89 TOP 38X89 MID-GIRTS IF NOT SHEATHED - 12.7MM GYPSUM BOARD SHEATHING

FLOORS
1. JOISTS TO HAVE MINIMUM 38MM OF END BEARING. JOISTS SHALL BEAR ON A SILL PLATE FIXED TO FOUNDATION WITH 12.7MM ANCHOR BOLTS @ 2400MM

3 HEADER JOISTS BETWEEN 1200MM AND 3200MM IN LENGTH SHALL BE SIZED BY CALCULATIONS. 4. TRIMMER JOISTS SHALL BE DOUBLED WHEN SUPPORTED HEADER IS BETWEEN 800MM AND 2000MM. TRIMMER JOISTS SHALL BE SIZED BY CALCULATIONS WHEN SUPPORTED HEADER EXCEEDS 2000MM. 5. 38X38 CROSS BRIDGING REQUIRED NOT MORE THAN 2100MM FROM EACH SUPPORT AND FROM OTHER ROWS 5. JOISTS SHALL BE SUPPORTED ON JOIST HANGERS

ROOF & CEILINGS 1. HIP AND VALLEY RAFTER SHALL BE 38MM DEEPER 2. 38X39 COLLAR TIES @ RAFTER SPACING WITH 19X84 CONTINUOUS BRACE AT MID SPAN IF COLLAR TIE

SUPPORTED ON A JOIST OR ON A BLOCKING BETWEEN

AT ALL FLUSH BEAMS, TRIMMERS AND HEADERS.

7. NON-LOADBEARING PARTITIONS SHALL BE

EXCEEDS 2400MM IN LENGTH.

NOTCHING & DRILLING TRUSSES, JOIST, RAFTERS

1. HOLES IN FLOOR, ROOF AND CEILING MEMBERS TO BE NOT LARGER THAN 1/4 THE ACTUAL DEPTH OF MEMBER AND NOT LESS THAN 50MM FROM EDGES. NOTCHES IN FLOOR ROOF AND CEILING MEMBERS TO BE LOCATED ON TOP OF MEMBER WITHIN 1/2 THE ACTUAL DEPTH FROM THE EDGE OF BEARING AND NOT GREATER THAN 1/3 THE JOIST SPAN.

4. ROOF TRUSS MEMBERS SHALL NOT BE NOTCHED. DRILLED OR WEAKENED UNLESS ACCOMMODATED IN THE

3. WALL STUDS MAY BE NOTCHED OR DRILLED

PROVIDED THAT NO LESS THAN 2/3 THE DEPTH OF THE STUD REMAINS, IF LOAD BEARING, AND 40MM IF

ROOFING

1. FASTENERS FOR ROOFING SHALL BE CORROSION

OF A STATE OF THE PARTY THROUGH RESISTANT. ROOFING NAILS SHALL PENETRATE THROUGH OR AT LEAST 12MM INTO ROOF SHEATHING. 2. EVERY ASPHALT SHINGLE SHALL BE FASTENED WITH AT LEAST 4 NAILS FOR 1000MM WIDE SHINGLE (OR 611MM STAPLES).

EAVES PROTECTION SHALL EXTEND 900MM UP THE ROOF SLOPE FROM THE EDGE AND AT LEAST 300MM FROM THE INSIDE FACE OF THE EXTERIOR WALL AND SHALL CONSIST OF TYPE M OR TYPE S ROLL ROOFING LAID WITH MINIMUM 100MM HEAD AND END LAPS CEMENTED TOGETHER, OR GLASS FIBRE OR POLYESTER FIBRE COATED BASE SHEETS, OR SELF SEALING COMPOSITE MEMBRANES CONSISTING OF MODIFIED BITUMINOUS COATED MATERIAL OR NO. 15 SATURATED FELT LAPPED AND CEMENTED. EAVE PROTECTION IS NOT REQUIRED FOR UNHEATED BUILDINGS, FOR ROOFS EXCEEDING A SLOPE OF 1 IN 1.5 OR WHERE A LOW SLOPE ASPHALT SHINGLE APPLICATION IS PROVIDED. 4. OPEN VALLEYS SHALL BE FLASHED WITH 2 LAYERS OF ROLL ROOFING, OR 1 LAYER OF SHEET METAL MIN.

5. SHEET METAL SHALL CONSIST OF NOT LESS THAN 1.73M SHEET LEAD, 0.33MM GALVANIZED STEEL, 0.33MM COPPER, 0.35M ZINC, OR 0.48MM ALUMINUM.

COLUMNS, BEAMS & LINTELS

1. STEEL BEAMS AND COLUMNS SHALL BE SHOP

MINIMUM 89MM END BEARING FOR WOOD AND STEEL BEAMS, WITH 190MM SOLID MASONRY BENEATH 3. STEEL COLUMNS TO HAVE MINIMUM OUTSIDE DIAMETER OF 73MM AND MINIMUM WALL THICKNESS OF

4. WOOD COLUMNS FOR CARPORTS AND GARAGES SHALL BE MINIMUM 89MMX89MM; IN ALL OTHER CASES EITHER 140MMX140MM OR 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. 5. MASONRY COLUMNS SHALL BE A MINIMUM OF 290 MMX290 MM OR 240MM X 380MM. 6. PROVIDE SOLID BLOCKING THE FULL WIDTH OF THE SUPPORTED MEMBER UNDER ALL CONCENTRATED LOADS. INSULATION AND WATERPROOFING

1. SUPPLY DUCTS IN UNHEATED SPACE INSULATION
SHALL BE PROTECTED WITH GYPSUM BOARD OR AN
EQUIVALENT INTERIOR FINISH, EXCEPT FOR UNFINISHED BASEMENTS WHERE 0.15MM POLY IS SUFFICIENT FOR FIBERGLASS TYPE INSULATIONS.

INTERIOR AND TO THE LEAKAGE OF AIR FROM THE

NATURAL VENTILATION EVERY ROOF SPACE ABOVE AN INSULATED CEILING

BE VENTILATED WITH UNOBSTRUCTED OPENINGS

2. INSULATED ROOF SPACES NOT INCORPORATING AN ATTIC SHALL BE VENTILATED WITH UNOBSTRUCTED

OPENINGS EQUAL TO NOT LESS THAN 1/150 OF THE INSULATED CEILING AREA.

3. ROOF VENTS SHALL BE UNIFORMLY DISTRIBUTED WITH MIN. 25% AT TOP OF THE SPACE AND 25% AT BOTTOM OF THE SPACE DESIGNED TO PREVENT THE

. UNHEATED CRAWL SPACES SHALL BE PROVIDED

MINIMUM NATURAL VENTILATION AREAS, WHERE

WITH 0.1M 2 OF VENTILATION FOR EACH 50M2

MECHANICAL VENTILATION IS NOT PROVIDED, ARE: BATHROOMS: 0.09M

UNFINISHED BASEMENT: 0.2% OF FLOOR AREA

ENTRY OF RAIN, SNOW OR INSECTS

OTHER ROOMS: 0.28M

EQUAL TO NOT LESS THAN 1/300 OF THE INSULATED

DUCTS PASSING THROUGH UNHEATED SPACE SHALL ELECTRICAL

1 AN EXTERIOR LIGHT CONTROLLED BY AN INTERIOR BE MADE AIRTIGHT WITH TAPE OR SEALANT. SWITCH IS REQUIRED AT EVERY ENTRANCE. CAULKING SHALL BE PROVIDED FOR ALL EXTERIOR . A LIGHT CONTROLLED BY A SWITCH IS REQUIRED IN DOORS AND WINDOWS BETWEEN THE FRAME AND THE EVERY KITCHEN, BEDROOM, LIVING ROOM, UTILITY ROOM, LAUNDRY ROOM, DINING ROOM, BATHROOM, VESTIBULE, HALLWAY, GARAGE AND CARPORT. A SWITCHED 4. WEATHERSTRIPPING SHALL BE PROVIDED ON ALL DOORS AND ACCESS HATCHES TO THE EXTERIOR, EXCEPT DOORS FROM A GARAGE TO THE EXTERIOR. RECEPTACLE MAY BE PROVIDED INSTEAD OF A LIGHT IN BEDROOMS AND LIVING ROOMS. 3. STAIRS SHALL BE LIGHTED, AND EXCEPT WHERE SERVING AN UNFINISHED BASEMENT SHALL BE EXTERIOR WALLS, CEILINGS AND FLOORS SHALL BE CONSTRUCTED SO AS TO PROVIDE A CONTINUOUS
BATTIER TO THE PASSAGE OF WATER VAPOUR FROM THE CONTROLLED BY A 3 WAY SWITCH AT THE HEAD OF THE

4. BASEMENTS REQUIRE A LIGHT FOR EACH 30M CONTROLLED BY A SWITCH AT THE HEAD OF THE

<u>HANDRAILS AND GUARDS</u> 1. A HANDRAIL IS REQUIRED FOR INTERIOR STAIRS

SURFACE WHICH IS MORE THAN 600MM ABOVE TH

ADJACENT LEVEL AND WHERE THE ADJACENT SURFACE HAS A SLOPE OF MORE THAN 1:2.

3. INTERIOR AND EXTERIOR GUARDS MIN. 900MM HIGH.

4. EXTERIOR GUARDS SHALL BE 1070MM HIGH WHERE HEIGHT ABOVE ADJACENT SURFACE EXCEEDS 1800MM.

5. GUARDS SHALL HAVE OPENINGS SMALLER THAN

THAT WILL FACILITATE CLIMBING.

EJECTION PUMP.

ARE INSTALLED.

OOMM AND NO MEMBER BETWEEN 140MM AND 900MM

PLUMBING

1. EVERY DWELLING REQUIRES A KITCHEN SINK,
LAVATORY. WATER CLOSET, BATHTUB OR SHOWER STALL

AND THE INSTALLATION OR AVAILABILITY OF LAUNDRY

2. A FLOOR DRAIN SHALL BE INSTALLED IN THE BASEMENT, AND CONNECTED TO THE SANITARY SEWER WHERE GRAVITY DRAINAGE IS POSSIBLE. IN OTHER CASES, IT SHALL BE CONNECTED TO A SEWAGE

CONTAINING MORE THAN 2 RISERS AND EXTERIOR STAIRS CONTAINING MORE THAN 3 RISERS.

GUARDS ARE REQUIRED AROUND EVERY ACCESSIBLE

10.0 L/S EACH FOR BASEMENT AND MASTER BEDROOM 5.0 L/S FOR EACH OTHER ROOM 2. A PRINCIPAL DWELLING EXHAUST FAN 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, BATHROOM AND OTHER EXHAUSTS, LESS THE PRINCIPAL EXHAUST, IS NOT LESS THAN THE TOTAL REQUIRED CAPACITY.

4. A HEAT RECOVERY VENTILATOR MAY BE EMPLOYED IN LIEU OF EXHAUST TO PROVIDE VENTILATION. AN HRV

MECHANICAL VENTILATION

1. A MECHANICAL VENTILATION SYSTEM IS REQUIRED WITH A TOTAL CAPACITY AT LEAST EQUAL TO THE SUM

5. SUPPLY AIR INTAKES SHALL BE LOCATED SO AS TO AVOID CONTAMINATION FROM EXHAUST OUTLETS

S REQUIRED IF ANY SOLID FUEL BURNING APPLIANCES

DOORS AND WINDOWS

1. EVERY FLOOR LEVEL CONTAINING A BEDROOM AND
NOT SERVED BY AN EXTERIOR DOOR SHALL CONTAIN AT
LEAST 1 WINDOW HAVING AN UNOBSTRUCTED OPEN
AREA OF 0.35M2 AND NO DIMENSION LESS THAN 380MM, WHICH IS OPENABLE FROM THE INSIDE WITHOUT TOOLS. MAXIMUM SILL HEIGHT 1000MM FOR FIN. FLOORS ABOVE

EXTERIOR HOUSE DOORS AND WINDOWS WITHIN 2000MM FROM GRADE SHALL BE CONSTRUCTED TO RESIST FORCED ENTRY. DOORS SHALL HAVE A DEADBOLT LOCK

THE PRINCIPAL ENTRY DOOR SHALL HAVE EITHER A DOOR VIEWER, TRANSPARENT GLAZING OR A SIDELIGHT 4. MAXIMUM U-VALUE 1.8 FOR WINDOWS \$ SLIDING

EXTERIOR WALLS

1. NO WINDOWS OR OTHER UNPROTECTED OPENINGS

TO STEEL OF WALLS LESS THAN 1200M ARE PERMITTED IN EXTERIOR WALLS LESS THAN 1200MM FROM PROPERTY LINES 15.9MM TYPE 'X' FIRE RATED DRYWALL SHALL BE INSTALLED ON THE INSIDE FACE OF ATTACHED GARAGE EXTERIOR WALLS AND GABLE ENDS OF ROOFS WHICH

NON COMBUSTIBLE CLADDING SHALL BE INSTALLED N ALL EXTERIOR WALLS LESS THAN 600MM FROM PROPERTY LINES

3. 1200MM AND NOT LESS THAN 600MM FROM

ERAMIC TILE
WHEN CERAMIC TILE IS APPLIED TO A MORTAR BED WITH ADHESIVE, THE BED SHALL BE A MINIMUM OF 12.5MM THICK & REINFORCED WITH GALVANIZED DIAMOND MESH LATH. APPLIED OVER POLYETHYLENE ON WITH AT LEAST 2 ROWS CROSS BRIDGING

ACCESS TO ATTICS AND CRAWL SPACES

1. ACCESS HATCH MINIMUM 545MMX 588MM TO BE PROVIDED TO EVERY ROOF SPACE WHICH IS 10M OR MORE IN AREA AND MORE THAN 600MM IN HEIGHT.ACCESS HATCH MINIMUM 500MMX 700MM TO BE PROVIDED TO EVERY CRAWI SPACE.

GARAGE GAS—PROOFLING

1. THE WALLS AND CEILING OF AN ATTACHED
GARAGE SHALL BE CONSTRUCTED AND SEALED SO AS TO PROVIDE AN EFFECTIVE BARRIER TO EXHAUST FUMES. ALL PLUMBING AND OTHER PENETRATIONS THROUGH THE WALLS AND CEILING SHALL BE CAULKED. 3. DOORS BETWEEN THE DWELLING AND ATTACHED RAGE MAY NOT OPEN INTO A BEDROOM AND SHALL BE WEATHER-STRIPPED AND HAVE A SELF-CLOSER.

ALARMS AND DETECTORS

1. AT LEAST ONE SMOKE ALARM SHALL BE INSTALLED ON OR NEAR THE CEILING ON EACH FLOOR AND BASEMENT LEVEL 900MM OR MORE ABOVE AN

2. SMOKE ALARMS SHALL BE INTERCONNECTED AND LOCATED SUCH THAT ONE IS WITHIN 5M OF EVERY BEDROOM DOOR AND NO MORE THAN 15M TRAVE DISTANCE FROM ANY POINT ON A FLOOR. 3. A CARBON MONOXIDE DETECTOR SHALL BE INSTALLED ADJACENT TO EVERY SLEEPING AREA FOR DWELLINGS WITH FUEL BURNING FIREPLACE OR STOVE,

OR AN ATTACHED GARAGE. MAXIMUM RISE: 200MM MINIMUM RUN: 210MM MINIMUM TREAD: 235MM

MINIMUM HEAD ROOM: 1950MM

2. CURVED STAIRS SHALL HAVE A MIN. RUN OF 150MM AT ANY POINT AND A MINIMUM AVERAGE RUN OF

3. 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 BY 4. A LANDING IS REQUIRED AT THE TOP OF ANY STAIR LEADING TO THE PRINCIPAL ENTRANCE TO O DWELLING AND OTHER EXTERIOR ENTRANCES WITH MORE

5. EXTERIOR CONCRETE STAIRS WITH MORE THAN 2 RISERS REQUIRE FOUNDATIONS.

#### 1 FLUSH ROOF CONSTRUCTION

2-PLY TORCHED ON ROOFING ON 1/2" PLYWOOD SHEATHING ON ROOF JOISTS AS NOTED ON DRAWINGS, 6 MIL SUPER POLY VAPOUR BARRIER AT U/S OF CEILING JOIST W/ 1/2" GYPSUM BOARD FILLED, TAPED, SANDED READY FOR PAINT.

NOTE: ALLOW FOR CROSS VENTILATION IN PLENUM BETWEEN ROOF AND CEILING JOISTS WITH ROOF VENTING AREA MIN. 1 SQ.FT./150 SQ.FT. OF ROOF AREA. PROVIDE MIN. R-31 BATT. INSULATION. WHERE VENTILATION IS NOT PROVIDED FILL JOIST CAVITY SOLID W/ MIN. R.-50 SPRAY FOAM INSULATION. 2 SLOPED ROOF CONSTRUCTION BITUMINOUS SHINGLES ON 1x3 NAILER ON 1/2" PLYWOOD SHEATHING

ON TYPAR ROOFING MEMBRANE ON RAFTERS/TRUSSES AS NOTED. PROVIDE APPROVED EAVES PROTECTION TO MINIMUM 6'-0" BEYOND INNER FACE OF EXTERIOR WALL. MIN. R-31 BATT INSULATION IN CATHEDRAL CEILING SPACE; 6 MIL SUPER POLY VAPOUR BARRIER (WARM SIDE) W/ 1/2" GYPSUM BOARD TAPED, FILLED, SANDED, ADT FOR PAINT.

TEE: PROVIDE MIN. 1 SQ. FT. OF ROOF VENT AREA PER 300 SQ.FT.

CEILING AREA W/ MIN. 50% AT EAVES. PROVIDE CONTINUOUS ROOF VENTING AT EAVE & RIDGE.

3 COPPER/METAL ROOF CONSTRUCTION COPPER/METAL ROOFING ON 15 LB. BLDG. PAPER ON 1/2" PLYWOOD SHEATHING, ON ROOF RAFTERS OR TRUSSES AS NOTED. PROVIDE PPROVED EAVES PROTECTION (ICE & WATER SHIELD) TO MINIMUM 6'-0" BEYOND INNER FACE OF EXTERIOR WALL. MIN. R-24 BATT INSULATION IN CATHEDRAL CEILING SPACE: 6 MIL SUPER POLY VAPOUR BARRIER (WARM SIDE) W/ 1/2" GYPSUM BOARD TAPED, FILLED, SANDED, READY FOR PAINT.

NOTE: PROVIDE MIN. 1 SQ. FT. OF ROOF VENT AREA PER 300 SQ.FT. F CEILING AREA W/ MIN. 50% AT EAVES. PROVIDE CONTINUOL ROOF VENTING AT EAVE & RIDGE, AND MIN. 2 1/4" VENT SPACE ABOVE INSULATION IN RAFTER CAVITY 4 STONE VENEER WALL CONSTRUCTION

2" STONE VENEER, 1" AIR SPACE, VECK "HOUSE WRAP" (JOINTS TAPED AND SEALED) ON 1/2" PLYWOOD SHEATHING ON 2 x 6 @ 16" O. C. SPF STUD WALLS PROVIDE .03" THICK x 7/8" WIDE MASONRY TIES @ 16" O.C HORIZONTALLY AND 32" O.C. VERTICALLY. PROVIDE WEEP HOLES @ 24" O.C. AT COURSES AT TOP OF FOUNDATION WALL AND ABOVE ALL OPENINGS. PROVIDE THROUGH WALL BASE FLASHING UP MIN. 6" BEHIND SHEATHING PAPER.

NOTE: USE TYPE "X" DRYWALL AT ALL WALLS CLOSER THAN 1.2M TO PROPERTY LINE 5 STUCCO ON BLOCK WALL CONSTRUCTION (EIFS- CCMC No. 12969-R) 3 COAT STUCCO STUCCO APPLICATION 1" (.25mm) POLYSTYRENE BOARD FASTENED (R5 CONT INS.) W/ CORROSION-RESISTANT SCREWS WITH WIND-DEVIL 2 PLASTIC WASHERS ON 4" CONC. BLOCK VENEER, 1" AIR SPACE, TYVECK 'HOUSE WRAP' (JOINTS TAPED AND SEALED) N 1/2" PLYWOOD SHEATHING ON 2x6 @ 16" O.C. SPF STUD WAL W/ R-24 BATT INSULATION. 2x6 WOOD GRIT AT MID-HEIGHT. DOUBLE PLATES TOP & SILL PLATE AT BOTTOM, 6MIL POLY VAPOUR BARRIER(WARM SIDE) W/ 5/8" GYPSUM BOARD TAPED, FILLED SANDED READY FOR PAINT, PROVIDE 0.03" THICK x7/8" WIDE MASONRY TIES @ 16" O.C. HORIZONTALLY AND 32" O.C. VERTICALLY.
PROVIDE VEEP HOLES @ 24" O.C. AT COURSES AT TOP OF
FOUNDATION WALL AND ABOVE ALL OPENINGS. PROVIDE THROUGH ALL BASE FLASHING UP MIN. 6"BEHIND SHEATHING PAPER.
DIE THAT OVERALL WALL CONSTRUCTION FOLLOWS THE RAINSREEN

5A STUCCO ON WOOD FRAME WALL (EIFS - CCMC No. 12969-R) 3 COAT STUCCO APPLICATION ON FIBERGLASS MESH ON 1½"
POLYSTYRENE BOARD FASTENED W/ "WINDLOCK" FASTENERS(EIFS SYSTEM OR EQ.) ON TYYECK "HOUSE WRAP" (JOINTS TAPED & SEALED) ON R5 CONT. INS. ON 5/8" SHEATHING ON 2"  $\times$  6" @16" D.C. STUD WALLS W/ R-24 BATT INSULATION 2x6 WOOD GIRT AT D-HEIGHT, DOUBLE PLATES AT TOP & SILL PLATE AT BOTTOM; 6 MIL POLY VAPOUR BARRIER (WARM SIDE) W/ 1/2" GYPSUM BOARD APED, FILLED, SANDED READY FOR PAINT, PROVIDE THROUGH WAL BASE FLASHING UP MIN. 6" BEHIND SHEATHING FILM.
NOTE: CONTRACTOR IS RESPONSIBLE FOR INSTALLATION WARRANTY OF
PRODUCT, ARCHITECT IS NOT RESPONSIBLE FOR SPECIFICATION OF

STUCCO INSTALLATION. 5B) SIDING ON WOOD FRAME WALL 2"X2" TIMBER STRAPPING FASTENED W/ "WINDLOCK" FASTENERS(EIFS SYSTEM OR EQ.) ON TYVECK "HOUSE WRAP" (JOINTS TAPED & SEALED) ON R5 CONT. INS. ON 5/8" SHEATHING ON 2" x 6" @16" .C STUD WALLS W/ R-24 BATT INSULATION 2x6 WOOD GIRT AT MID-HEIGHT, DOUBLE PLATES AT TOP & SILL PLATE AT BOTTOM: 6 MIL POLY VAPOUR BARRIER (WARM SIDE) W/ ½" GYPSUM BOARD TAPED, FILLED, SANDED READY FOR PAINT.PROVIDE THROUGH WALL BASE FLASHING UP MIN. 6" BEHIND SHEATHING FILM. NOTE: CONTRACTOR IS RESPONSIBLE FOR INSTALLATION WARRANTY OF PRODUCT. ARCHITECT IS NOT RESPONSIBLE FOR SPECIFICATION OF SIDING INSTALLATION.

#### (10) COLD CELLAR PORCH SLAB.

BRICK VENEER WALLS

1" MAXIMUM BRICK PROJECTION OVER FOUNDATION WALL. VENEER TIES 20 GA X 7/8" ATTACHED TO WOOD FRAME AT MAXIMUM 175mm THK. 30 MPa CONC.SLAB WITH 5/8% AIR ENTRAINMENT, REINF. WITH 15M BARS @ 300mm O.C. EACH DIRECTION IN BOTTOM THIRD OF SLAB. MIN. 30mm(1/4")COVER, 600X600 (23 5/8"X23 5/8") DOWELS @ 24" O.C. VERTICALLY, 16" O.C.H. HORIZONTALLY. • VENEER TIES MINIMUM 0.03" THICK, 7/8" WIDE EROSION-RESISTANT (GALVANIZED) STRAPS, CONFOREMING TO CAN-A370-M84, CONNECTORS 300mm O.C., ANCHORED IN PERIMETER FOUND, WALLS, SLOPE 15# BUILDING PAPER OVER SHEATHING TO BE WATER SLAB MIN.1% FROM WALL. SLAB TO HAVE MIN. 75mm (3" BEARING ON FOUND.WALL. PROVIDE (L7/REINFORCEMENT) LINTELS 1" MINIMUM AIR SPACE BETWEEN BRICK VENEER AND OVER CELLAR DOOR WITH 100mm(4") END BEARING. WALL SHEATHING. ● FLASHING REQUIRED BENEATH JOINTED MASONRY SILLS AND ABOVE

#### SLAB ON GRADE

MIN.100mm(4") CONCRETE SLAB ON GRADE 100mm(4") COARSE GRANULAR FILL, REINFORCED WITH 6X6-W2.9 MESH, PLACED NEAR MID-DEPTH OF SLAB. CONC.STRENGHT 32 MPa(4600psi), WITH 5-8% AIR ENTRAINMENT ON COMPACTED SUB-GRADE.

FLOOR CONSTRUCTION
FINISHED FLOOR ON 5/8" OSB ON FLOOR JOISTS (GLUE AND SCREW),HARD WOOD; WRAP ALL HEADERS W/ VAPOUR BARRIER PRIOR TO PLACEMENT ON FOUNDATION WALL AND PRIOR TO ERECTION OF STUD WALLS. ALLOW FOR OVERLAP AND CONTINUOUS VAPOUR NOTE: CO-ORDINATE SILL PLATE HEIGHT AND QUANTITY W/ TILE FLOOR CONSTRUCTION (NOTE110).

TILE FLOOR CONSTRUCTION CERAMIC OR STONE TILE DRY SET ON 1 1/2" CONC. TOPPING ON 5/8" OSB SHEATHING (GLUE & SCREW) ON FLOOR JOISTS AS NOTED ON DWGS.;

HARDWOOD/LAMINATE FLOOR CONSTRUCTION
HARDWOOD OR LAMINATE ON 3/8" (9.5mm) APPROVED WOOD TILE FLOOR CONSTRUCTION (BASEMENT)
CERAMIC TILE ON THIN SET MORTAR BED ON CONCRETE SLAB.

(13) INTERIOR STUD PARTITION 2 X 4 STUDS @ 16" O.C. W/ 2 X 4 SILL PLATE ON STRUCTURAL SUPPORT AS NOTED, 1/2" GYP. BD. EACH SIDE. (130) INTERIOR STUD PARTITION
2 X 6 STUDS @ 16" O.C. W/ 2 X 6 SILL PLATE ON STRUCTURAL

SUPPORT AS NOTED, 1/2" GYP. BD. EACH SIDE.

(13b) INTERIOR STUD PARTITION
2 X 6 STUDS @ 16" O.C. W/ 2 X 6 SILL PLATE ON STRUCTURAL SUPPORT AS NOTED, R-24 BATT INSULATIN, 1/2" GYP. BD. EACH 13c) INTERIOR STUD PARTITION 2 X 8 STUDS @ 12" O.C. W/ 2 X 6 SILL PLATE ON STRUCTURAL

SUPPORT AS NOTED, % OSB + 1/2" GYP. BD. EACH SIDE. GARAGE WALL & CEILING CONSTRUCTION
EXTER.CLADDING, 25mm(1")AIR SPACE, 22x180x0.78( %"x7"x0.03")GALV.METAL TIES @ 400mm(16") O.C. HORIZONTAL 600mm(34")O.C. VERTICAL APPROVED SHEATHING PAPER, 9.5mm( %)EXI.TYPE SHEATHING, 38x150mm(2x6")STUDS @ 400mm(16") O.C.WITH APPROVED DIAGONAL WALL BRACING. NOTE: WHERE FLOOR EXIST ABOVE GARAGE, PROVIDE WEEP HOLES @800mm(32")O.C.BOTTOM COURSE AND OVER OPENINGS, PROVIDE BASE FLASHING UP MIN.150mm(6")BEHIND PAPER. BRICK TO BE MIN.150mm(6")ABOVE FINISH GRADE. NOTE: GASPROOF W/ 1 LAYER 5/8" GYPSUM BOARD EACH SIDE. PROVIDE MIN. R-24 INSULATION IN CAVITY; 6 MIL SUPER POLY VAPOR BARRIER. (WARM SIDE). TAPE ALL JOINTS W/ FIBERGLASS TAPING TO

(15) DECORATIVE WOOD TRIM WOOD TRIM AS PER DETAIL DRAWING — PRIME AND PAINT W/ COATS — BENJAMIN MOORE EXTERIOR ALKYD. ALL WORK TO B CO-ORDINATED W/ ON SITE DIMENSIONS AND PROPORTIONED

16 PRECAST CONCRETE / CUT LIMESTONE SILL, COPING, TRIM DIMENSION AS PER DETAIL DRAWINGS. PROVIDE SHOP DRAWINGS FOR ARCHITECT'S REVIEW. PREFINISHED METAL FLASHING

47 AT PROVIDE STEPPED THROUGH WALL FLASHING SLOPING INTERFACE(S) AND CAPPING AS REQUIRED. COLOUR AS PER DESIGNER. PAINTED 1 X 4 T & G WOOD SOFFIT W/ CONTINUOUS VENT BEHIND FASCIA; PRIME & PAINT AS PER NOTE 15.

PREFIN. METAL EAVESTROUGH ON 1 X 8 FASCIA BOARD. 20) PREFIN. METAL RAINWATER LEADER (RWL) - TO MATCH (21) WASHROOMS TO BE MECHANICALLY VENTED TO EXTERIOR. PROVIDE MIN. 2 AIR CHANGES PER HOUR.

(22) LINEN CLOSET: 4 SHELVES MIN. 14" DEEP (23) MAIN STAIRS / EXTERIOR STAIRS MAX. RISE: = 7 1/2" MIN. TREAD: = 10" MIN. NOSING: = 1" RAILING AT: = 3'-6" A.F.F. LANDING

AT STAIR: = 3'-0" ABOVE NOSING OF TREAD MIN. HEADROOM: = 7'-0" 24 SECONDARY STAIRS MAX. RISE: =  $7 \ 3/4$ "

MIN. TREAD: = 9" AT STAIR: = 3'-0" ABOVE NOSING OF TREAD MIN. HEADROOM: = 7'-0"

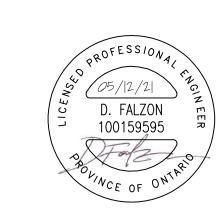
25) DRYER AND/OR COOKTOP TO BE VENTED DIRECTLY OUTSIDE THROUGH WALL. GUARD RAIL 3'-6" HIGH (4" MAX. SPACE BETWEEN PICKETS)
GUARDS TO RESIST LOADS AS PER O.B.C. SEC. 4.1.10.1. ).

 $\langle 27 \rangle$  24" X 30" INSULATED ATTIC HATCH. CARBON MONOXIDE ALARM (CMA.) (9.33.4)
INSTALLED ADJACENT TO EACH SLEEPING AREA IN THE SUITE.
SINGLE STATION ALARM STYLE COMBUSTION ALARM PERMANENT. MOUNTED ON HALL CEILING AND CONNECTED TO THE BUILDINI
ELECTRICAL SUPPLY WITHOUT A DISCONNECT WALL SWITCH AN
HAVING A CIRCUIT NOT CONNECTED TO ANY WALL OUTLET.

29) SMOKE ALARM (SA.) (9.10.19)
PROVIDE 1 PER FLOOR, NEAR STAIRS CONNECTING THE FLOOR LEVEL. INTERCONNECTED TO ACTIVATE ALL ALARMS IF 1 SOUND.)

VER 100 SQUARE FEET, 50 CFM SHOULD BE MADE FOR EACH STANDARD TOILET, BATHTUB AND SHOWER. FASTENED W/ CORROSION—RESISTANT SCREWS WITH WIND—DEVIL 2
PLASTIC WASHERS ON 10" (2" FORM + 6" CORE + 2" FORM)

(30) MECHANICAL VENTILATION (MV.)
PROVIDE MIN. 1 AIR CHANGE PER HOUR IN ROOMS SPECIFIED TO BE MECHANICALLY VENTED 80 CFM (CUBIC FOOT PER MINUTE) PRIMARY VENTS FOR BATHROOMS UNDER 100 SQUARE FEET. FOR BATHROOMS REINFORCED ICF EXTERIOR WALL (R24 WALL ASSEMBLY). 6MIL POL' VAPOUR BARRIER (WARM SIDE) W/ 1/2" GYPSUM BOARD TAPED, FILLED, SANDED READY FOR PAINT. NOTE: USE TYPE %" "TYPE X" DRYWALL AT ALL WALLS CLOSER THAN 1.2M TO PROPERTY LINE



General Notes

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ο.	Revision/Issue	Date

**GENERAL NOTES** & DRAWING **MARKS** 

MACCHIA RESIDENCE

LOT 51 - SUNSET BOULEVARD SINGLE FAMILY DWELLING

Project SEPT '18 NTS