

BEARING CAPACITY OF SOIL SHALL BE CONFIRMED PRIOR TO CONSTRUCTION.

FOR ENGINEERED TRUSS JOISTS, REFER TO ATTACHED MANUFACTURER'S FLOOR JOIST DRAWINGS.

MINIMUM FOOTING WIDTH OR AREA SHALL CONFORM TO TABLE 9.15.3.4.  
STEEL COLUMNS SHALL CONFORM TO OBC 9.17.3.  
WOOD COLUMNS SHALL CONFORM TO OBC 9.17.4.  
MAXIMUM SPANS OF STEEL BEAMS SUPPORTING FLOORS SHALL CONFORM TO TABLE 9.23.4.3  
MAXIMUM SPANS OF STEEL BEAMS SUPPORTING A ROOF AND ONE FLOOR SHALL CONFORM TO TABLES A-20 TO A-29  
WOOD FLOOR JOISTS SHALL CONFORM TO OBC 9.23.9.  
MAXIMUM SPANS FOR WOOD FLOOR JOISTS SHALL CONFORM TO TABLES A1 AND A-2 OR WITH MANUFACTURER'S SPAN TABLES.  
MAXIMUM SPANS FOR BUILT-UP WOOD FLOOR BEAMS SHALL CONFORM TO TABLES A-8 THROUGH A-10.  
MAXIMUM SPANS FOR LINTELS SHALL CONFORM TO TABLES A-13 THROUGH A-19.  
FLOORS-ON-GROUND SHALL CONFORM TO OBC 9.16.  
CONCRETE SHALL CONFORM TO OBC 9.3.1.

(9.9.15.4.2) CONCRETE FOUNDATION WALLS SHALL HAVE A MINIMUM THICKNESS OF 200 mm (7-7/8") UNLESS OTHERWISE SPECIFIED. THE MAXIMUM HEIGHT OF THE FINISHED GRADE ABOVE THE BASEMENT FLOOR, FOR Laterally SUPPORTED WALLS, SHALL BE AS FOLLOWS:  
200 mm (7-7/8") SOLID CONCRETE  
240 mm (9-1/2") CONCRETE BLOCK  
240 mm (9-1/2") CONCRETE BLOCK  
240 mm (9-1/2") CONCRETE BLOCK

A SUBSURFACE INVESTIGATION, INCLUDING GROUNDWATER CONDITIONS, SHALL BE CARRIED OUT, BY OR UNDER THE DIRECTION OF A PERSON HAVING KNOWLEDGE AND EXPERIENCE IN PLANNING AND EXECUTING SUCH INVESTIGATIONS TO A DEGREE APPROPRIATE FOR THE BUILDING AND ITS USE, THE GROUND AND THE SURROUNDING SITE CONDITIONS, IN CONFORMANCE WITH OBC 4.2.2.1.

TERMITE AND DECAY PROTECTION FOR LUMBER AND WOOD PRODUCTS SHALL CONFORM TO OBC 9.3.2.9.(6)

STRUCTURAL MEMBERS AND THEIR CONNECTIONS SHALL CONFORM TO OBC 9.4.1.

THE CLEAR HEIGHT OVER STAIRS MEASURED VERTICALLY FROM A LINE DRAWN THROUGH THE LEADING EDGES OF THE TREADS SHALL BE NOT LESS THAN 1,950 mm, WITHIN DWELLING UNITS [OBC 9.8.2.2]

DIMENSIONS FOR RECTANGULAR TREADS  
RISE MAX. 200 mm, MIN. 125 mm  
RUN MAX. 355 mm, MIN. 210 mm  
TREAD DEPTH MAX. 355 mm, MIN. 235 mm [OBC 9.8.4.2]

A HANDRAIL SHALL BE PROVIDED ...  
(A) ON AT LEAST ONE SIDE OF STAIRS OR RAMPS LESS THAN 1,100 mm IN WIDTH,  
(B) ON 2 SIDES OF CURVED STAIRS OR RAMPS OF ANY WIDTH, EXCEPT CURVED STAIRS WITHIN DWELLING UNITS, AND  
(C) ON 2 SIDES OF STAIRS OR RAMPS 1,100 mm IN WIDTH OR GREATER.  
HANDRAILS ARE NOT REQUIRED FOR:  
(A) INTERIOR STAIRS HAVING NOT MORE THAN 2 RISERS AND SERVING A SINGLE DWELLING UNIT, OR  
(B) EXTERIOR STAIRS HAVING NOT MORE THAN 3 RISERS AND SERVING A SINGLE DWELLING UNIT. [OBC 9.8.7.1]

THE HEIGHT OF HANDRAILS ON STAIRS AND RAMPS SHALL BE NOT LESS THAN 865 mm AND NOT MORE THAN 965 mm. [B 9.8.7.4]

EXTERIOR CONCRETE STAIRS WITH MORE THAN 2 RISERS AND 2 TREADS SHALL BE SUPPORTED ON UNIT MASONRY OR CONCRETE WALLS OR PIERS NOT LESS THAN 150 mm IN CROSS SECTION, OR CANTILEVERED FROM THE MAIN FOUNDATION WALL. [OBC 9.8.9.2]

GRANULAR MATERIAL USED TO DRAIN THE BOTTOM OF A FOUNDATION SHALL CONFORM TO OBC 9.14.4.1.

WHERE A FOUNDATION IS ERECTED ON FILLED GROUND, PEAT OR SENSITIVE CLAY, THE FOOTING SIZES SHALL CONFORM TO TO OBC SECTION 4.2. [OBC 9.15.1.1.(3)]

LINTELS AND ARCHES THAT SUPPORT MASONRY SHALL CONFORM TO OBC 9.20.5.

THE LENGTH OF END BEARING OF BEAMS THAT ARE SUPPORTED ON MASONRY SHALL BE NOT LESS THAN 90 mm. THE LENGTH OF END BEARING OF FLOOR, ROOF OR CEILING JOISTS THAT ARE SUPPORTED ON MASONRY SHALL BE NOT LESS THAN 40 mm. [OBC 9.20.5.3]

WOOD BEAMS SHALL HAVE AN EVEN AND LEVEL BEARING AND SHALL HAVE NOT LESS THAN 89 mm LENGTH OF BEARING AT END SUPPORTS. [OBC 9.23.8.1]

A FLOOR DRAIN SHALL BE INSTALLED IN A BASEMENT FORMING PART OF A DWELLING UNIT. [OBC 9.31.4.4]

CAPACITY AND SOUND RATINGS FOR REQUIRED FANS SHALL CONFORM TO OBC 9.32.3.9.

3-WAY WALL SWITCHES LOCATED AT THE HEAD AND FOOT OF EVERY STAIRWAY SHALL BE PROVIDED TO CONTROL AT LEAST ONE LIGHTING OUTLET WITH FIXTURE FOR STAIRWAYS WITH 4 OR MORE RISERS IN DWELLING UNITS. [OBC 9.34.2.3(2)]

A LIGHTING OUTLET WITH FIXTURE SHALL BE PROVIDED FOR EACH 30 m<sup>2</sup> OF FLOOR AREA OR FRACTION OF IT IN UNFINISHED BASEMENTS. [OBC 9.34.2.4]

A LIGHTING OUTLET WITH FIXTURE SHALL BE PROVIDED IN STORAGE ROOMS. [OBC 9.34.2.5]

REINFORCED CONCRETE SLABS SHALL CONFORM TO OBC 9.40.1.4.

EXCEPT FOR DOORS ON ENCLOSED UNHEATED VESTIBULES AND COLD CELLARS, AND EXCEPT FOR THE GLAZED PORTIONS OF DOORS, ALL DOORS THAT SEPARATE HEATED SPACE FROM UNHEATED SPACE SHALL HAVE A THERMAL RESISTANCE OF NOT LESS THAN RSI 0.7 WHERE A STORM DOOR IS NOT PROVIDED. [OBC 9.12.3.2.7]

THE MAXIMUM DEFLECTION OF STRUCTURAL MEMBERS SHALL CONFORM TO TABLE 9.4.3.1.

COMBINATION ROOMS SHALL CONFORM TO OBC 9.5.1.4.

WINDOWS, DOORS AND SKYLIGHTS SHALL CONFORM TO OBC SECTION 9.7

UNIFORMITY AND TOLERANCES FOR RISERS AND TREADS SHALL CONFORM TO OBC 9.8.4.4.

THE DEPTH OF A RECTANGULAR TREAD SHALL BE IN COMPLIANCE WITH OBC 9.8.4.1.

LANDINGS SHALL BE PROVIDED IN CONFORMANCE WITH OBC 9.8.6.2.

DIMENSIONS OF REQUIRED LANDINGS SHALL CONFORM TO OBC 9.8.6.3.

THE CLEARANCE BETWEEN A HANDRAIL AND ANY SURFACE BEHIND IT SHALL BE NOT LESS THAN 50 mm. ALL HANDRAILS SHALL BE CONSTRUCTED SO AS TO BE CONTINUALLY GRASPABLE ALONG THEIR ENTIRE LENGTH WITH NO OBSTRUCTION ON OR ABOVE THEM TO BREAK A HANDHOLD, EXCEPT WHERE THE HANDRAIL IS INTERRUPTED BY NEWELS AT CHANGES IN DIRECTION. [OBC 9.8.7.5]

THE DESIGN AND ATTACHMENT OF HANDRAILS AND ANY BUILDING ELEMENT THAT COULD BE USED AS A HANDRAIL SHALL CONFORM TO OBC 9.8.7.7.

ALL GUARDS WITHIN DWELLING UNITS SHALL BE NOT LESS THAN 900 mm HIGH. [OBC 9.8.8.3]

LOADS ON STAIRS AND RAMPS SHALL CONFORM TO OBC 9.8.9.1.

THE FINISH FOR TREADS, LANDINGS AND RAMPS SHALL CONFORM TO OBC 9.8.9.6.

FIRE BLOCKS MATERIALS SHALL CONFORM TO OBC 9.10.16.3.

SMOKE ALARMS CONFORMING TO CAN/ULC-S351, "SMOKE ALARMS", SHALL BE INSTALLED IN EACH DWELLING UNIT IN CONFORMANCE WITH OBC 9.10.18.

FIREPLACE INSERTS AND HEARTH-MOUNTED STOVES SHALL CONFORM TO OBC 9.22.10.

ANCHORAGE OF COLUMNS AND POSTS SHALL CONFORM TO OBC 9.23.6.2.

WALL STUD SIZE AND SPACING SHALL CONFORM TO OBC 9.23.10.1.

STUD POSTS BUILT INTO WALLS SHALL CONFORM TO OBC 9.23.10.7.

VAPOUR BARRIER MATERIALS SHALL CONFORM TO OBC 9.25.4.2.

VAPOUR BARRIER INSTALLATION SHALL CONFORM TO OBC 9.25.4.3.

ALL PLUMBING FACILITIES AND SYSTEMS SHALL COMPLY WITH OBC SECTION 9.31.

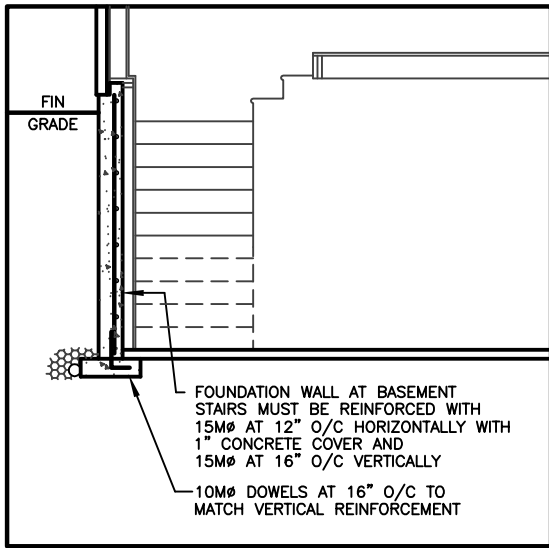
ALL NATURAL VENTILATION OF ROOMS AND SPACES, AND SELF-CONTAINED MECHANICAL VENTILATION SYSTEMS SHALL COMPLY WITH OBC SECTION 9.32.

ALL HEATING AND ALL AIR-CONDITIONING SYSTEMS AND CENTRAL HEATING SYSTEMS INCLUDING REQUIREMENTS FOR COMBUSTION AIR SHALL COMPLY WITH OBC SECTION 9.33.

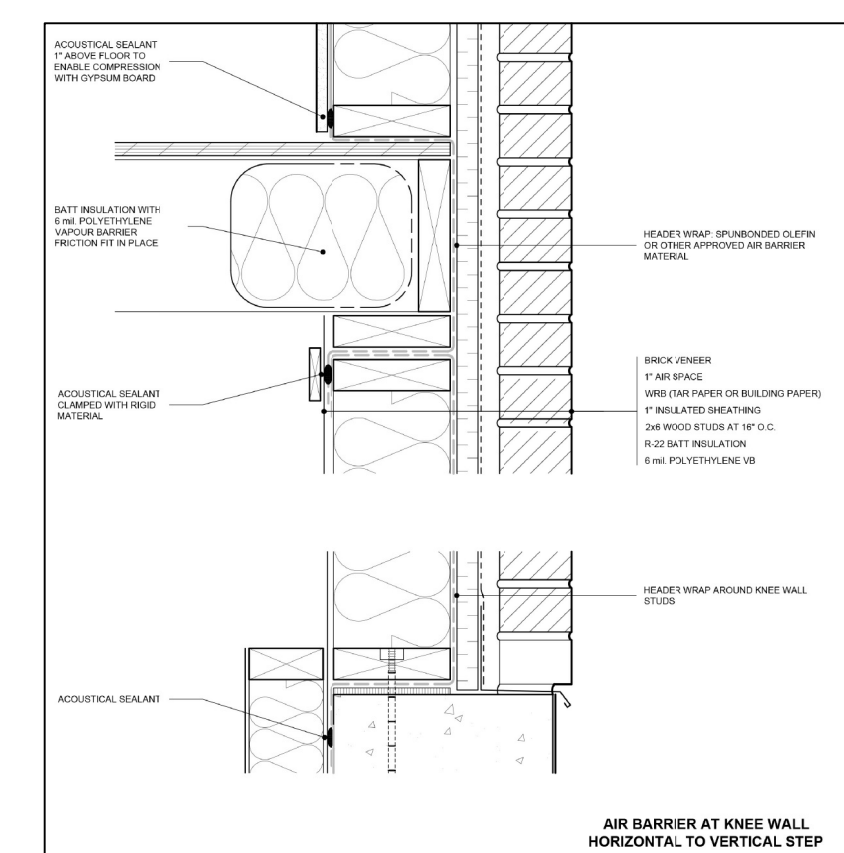
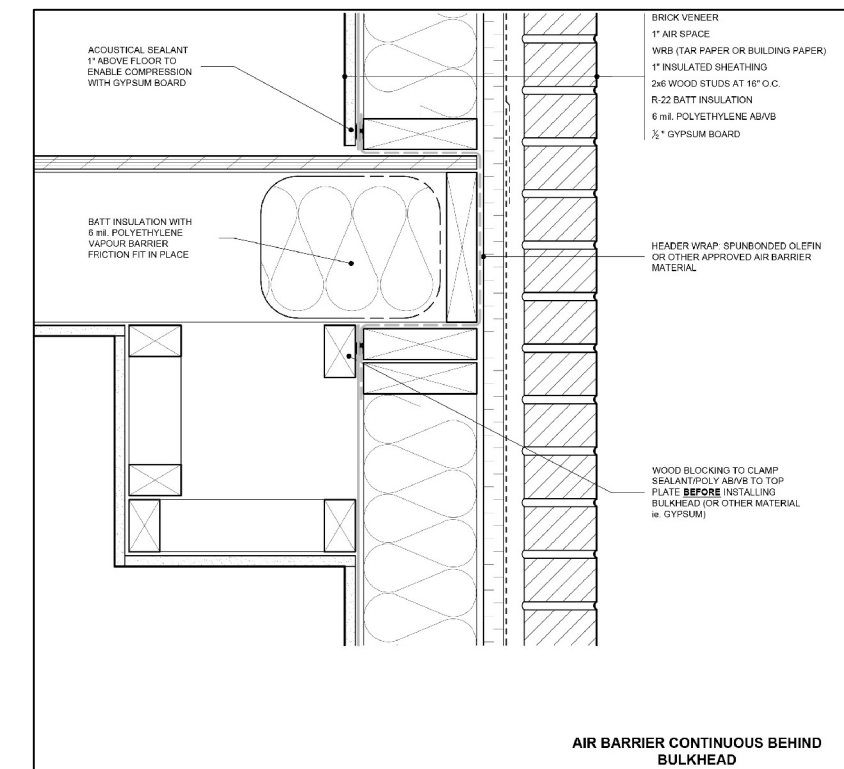
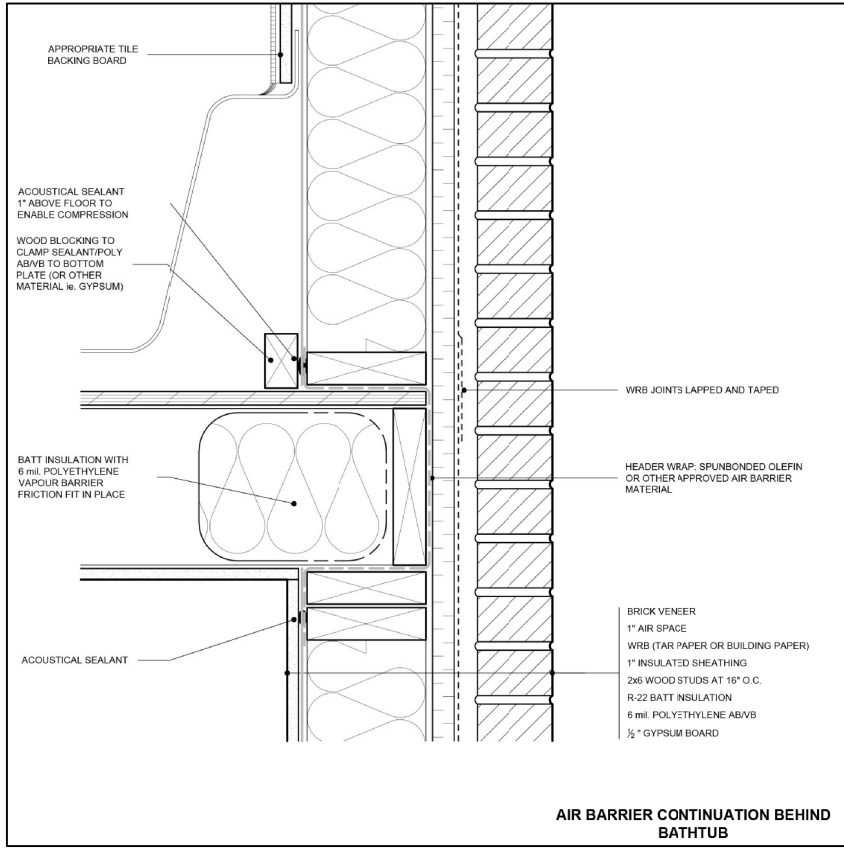
CARBON MONOXIDE ALARMS SHALL BE INSTALLED IN CONFORMANCE WITH OBC 9.33.4.

ALL ELECTRICAL FACILITIES AND OUTLETS SHALL CONFORM TO OBC SECTION 9.34.

COLUMNS THAT SUPPORT A DECK WITH NO SUPERSTRUCTURE NEED NOT BE PROVIDED WITH LATERAL SUPPORT WHERE THE COLUMNS ARE NOT MORE THAN 600 mm IN LENGTH AS MEASURED FROM THE FINISHED GROUND TO THE UNDERSIDE OF THE SUPPORTED MEMBER. [OBC 9.17.2.2.(3)]



SECTION 'A-A'

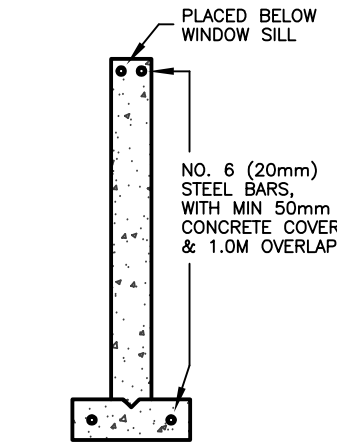


STRUCTURAL NOTE

1. PROVIDE 3-2x6 OR 3-2x4 POST MIN. TO MATCH WALL STUDS AT EACH LINTEL OR BEAM BEARING (TYP.) UNLESS NOTED ON PLAN

STRUCTURAL LEGEND

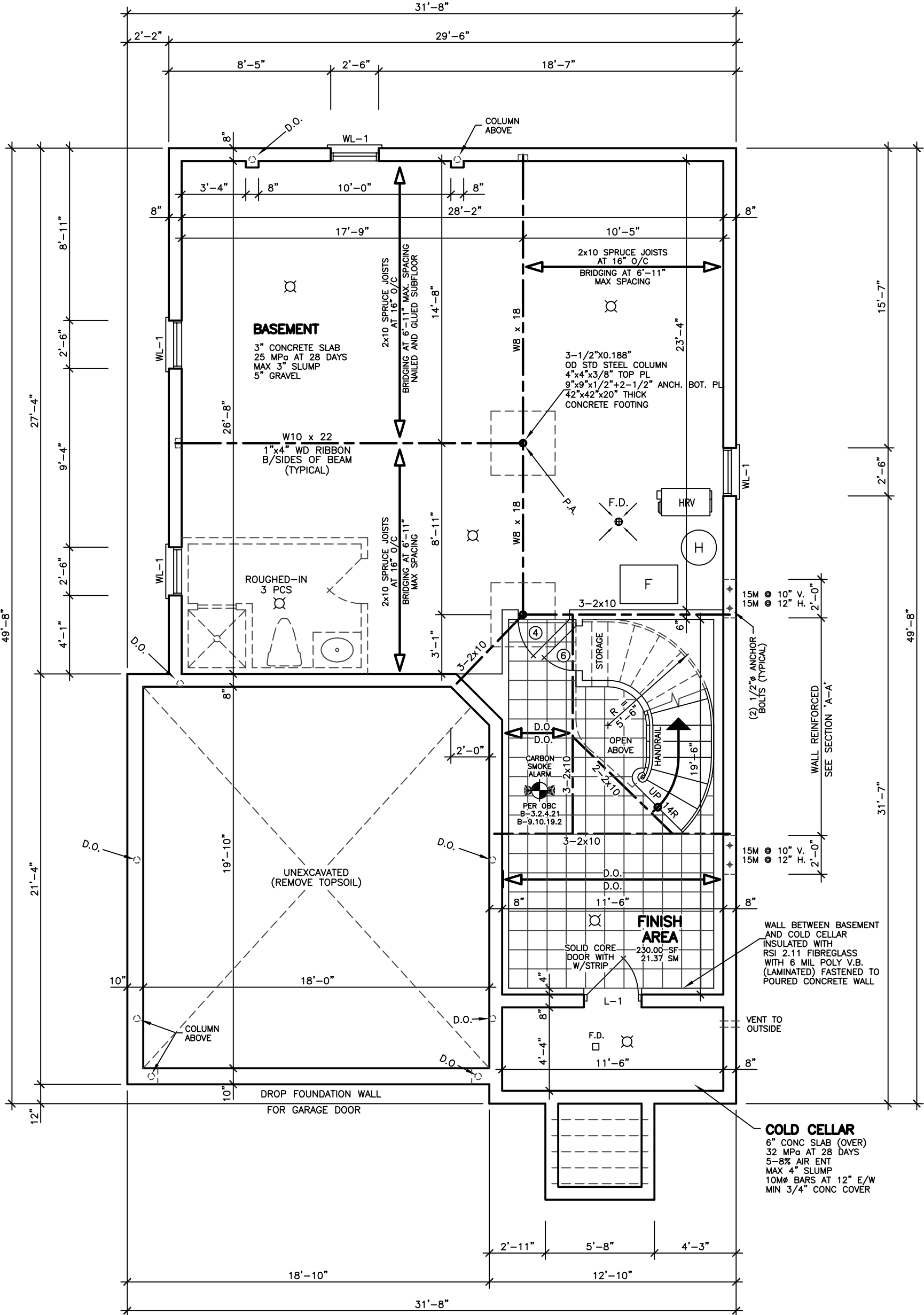
D1 DENOTES 10Mx40" LONG DOWELS WITH 20" LEGS FROM BASEMENT WALL INTO SLAB UNDER GARAGE @18" O/C ALL AROUND TYPICAL.



CONCRETE REINFORCING FOR ALL FOUNDATIONS ON ENGINEERED FILL

DOOR SCHEDULE	
1	= 2'10" x 6'8" x 1 3/4" EXTERIOR
2	= 2'6" x 6'8" x 1 3/4" EXTERIOR
3	= 2'6" x 6'8" x 1 3/4" GARAGE, GASPROOF + CLOSER
4	= 2'6" x 6'8" x 1 3/4" INTERIOR
5	= 2'6" x 6'8" x 1 3/4" INTERIOR
6	= 2'4" x 6'8" x 1 3/4" INTERIOR
7	= 2'2" x 6'8" x 1 3/4" INTERIOR
8	= 2'0" x 6'8" x 1 3/4" INTERIOR
9	= 1'6" x 6'8" x 1 3/4" INTERIOR

LINTEL SCHEDULE	
L-1	= (2) LINTELS 3 1/2" x 3 1/2" x 1/4"
L-2	= W8 x 18 + 1/4" PLATE
WL-1	= 3 1/2" x 3 1/2" x 1/4" + (2) 2" x 8" #1 SPRUCE
WL-2	= 5" x 3 1/2" x 3/8" + (2) 2" x 10" #1 SPRUCE
WL-3	= 5" x 3 1/2" x 3/8" + (2) 2" x 12" #1 SPRUCE
WL-4	= 6" x 3 1/2" x 3/8" + (3) 2" x 12" #1 SPRUCE



BASEMENT FLOOR PLAN

REVISIONS

#	DATE

LEONARD KALISHENKO  
AND ASSOCIATES LIMITED  
STRUCTURAL ENGINEERS  
FOR STRUCTURAL  
DESIGN ONLY



ASSUMED ROOF TRUSS BEARING ON THE EXTERIOR WALLS ONLY. THE DESIGN OF ENTIRE STRUCTURE SHOULD BE REVIEWED TO ACCOMMODATE FINAL ROOF TRUSS LAYOUT

KING EAST  
ESTATES



ALL DRAWINGS & SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND CANNOT BE USED OR REPRODUCED WITHOUT HIS APPROVAL.  
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DRAWINGS MUST NOT BE SCALED.

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DESIGN INC.

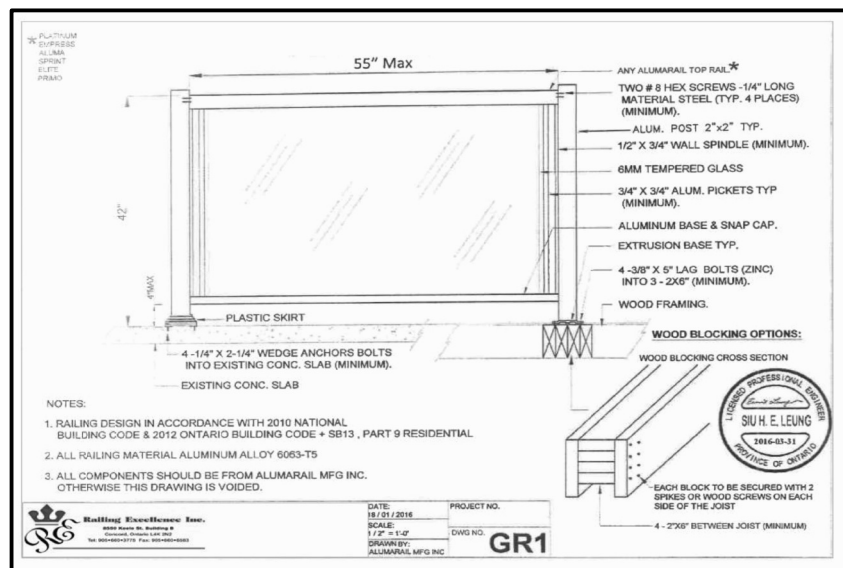
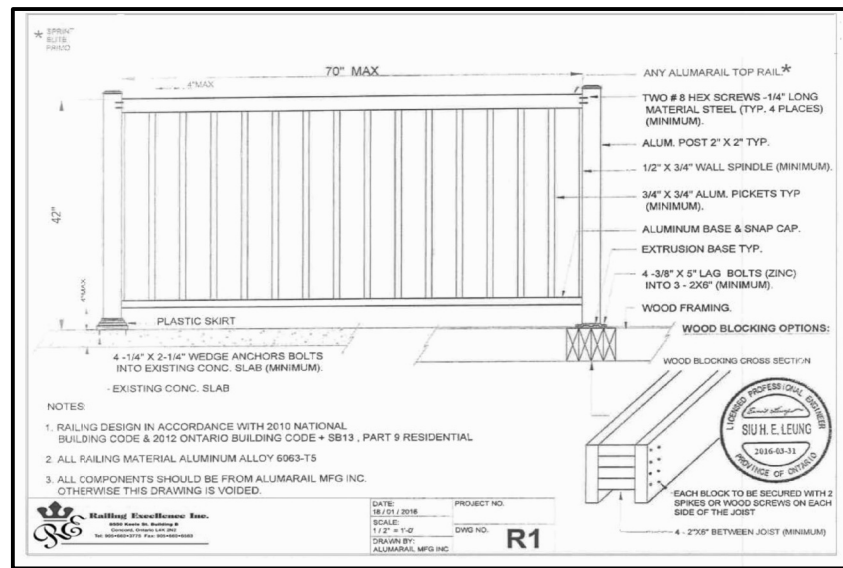
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UNIT 1  
CONCORD, ONT. L4K 3V9  
TEL 905 660-9393  
FAX 905 660-9419

C2A-13  
MODEL 2350 A

PROJECT  
PROPOSED  
TWO STOREY DWELLING  
FOR: KING EAST DEVELOPMENTS INC.  
AT: MAPLETON STREET  
RICHMOND HILL

DRAWING  
BASEMENT FLOOR PLAN

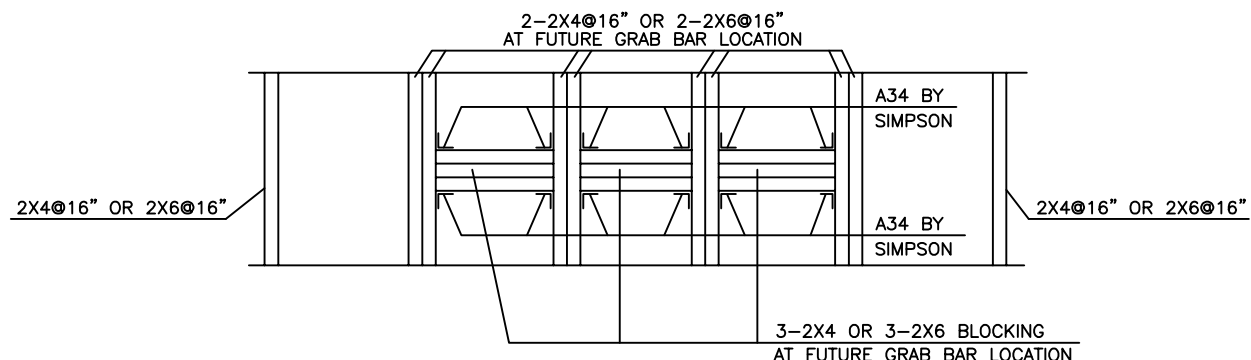
DATE	APR '23	PROJECT NO	20-023
DRAWN	E.B.	DRAWING NO	A-2
CHECKED			
SCALE	3/16"=1'-0"		



EXTERIOR TYPE LIGHTING

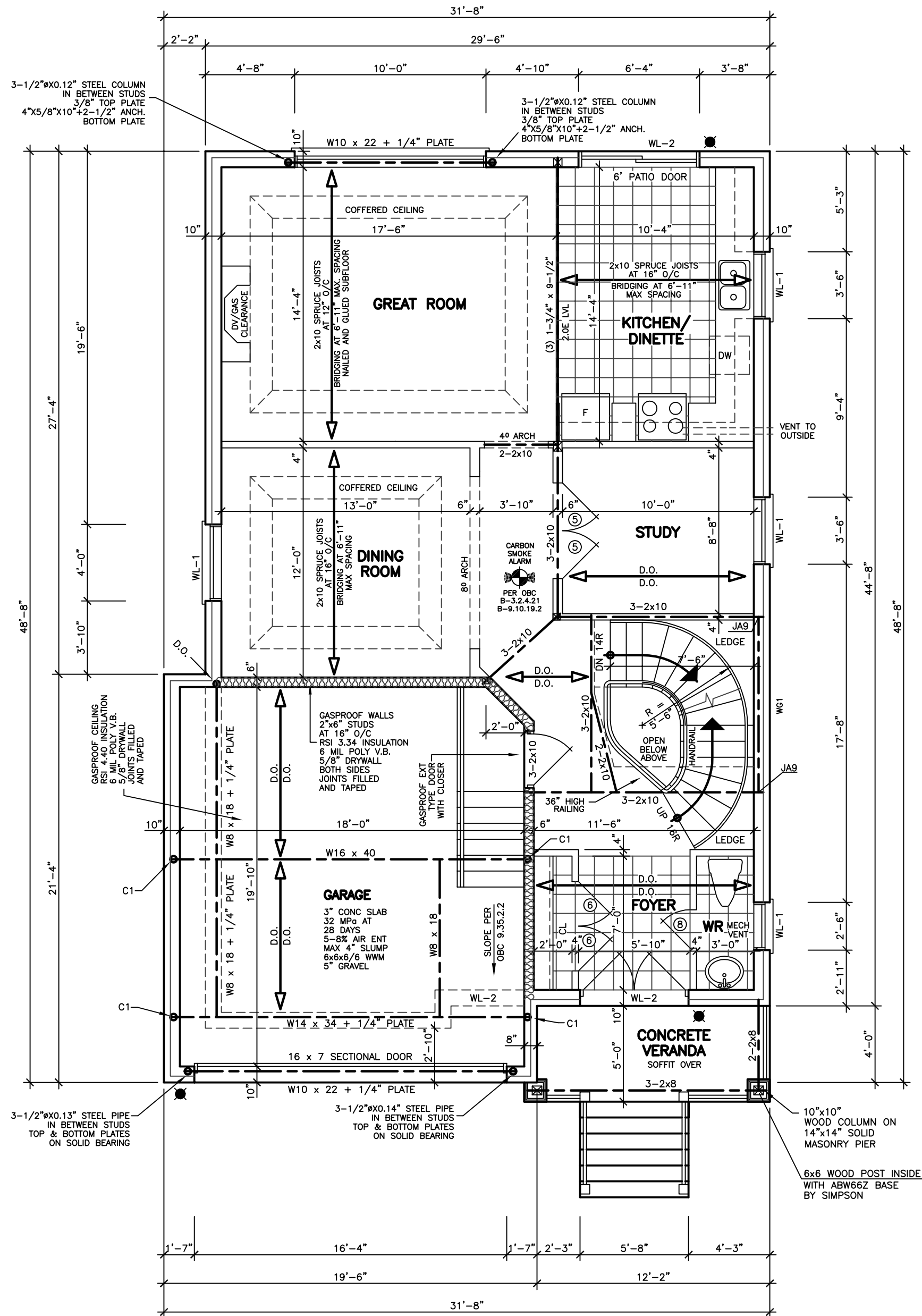
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WL-3	= 5" x 3 1/2" x 3/16" + (2) 2" x 12" #1 SPRUCE
WL-4	= 6" x 3 1/2" x 3/16" + (3) 2" x 12" #1 SPRUCE

DOOR SCHEDULE	
1	= 2'0" x 6'8" x 1 1/4" EXTERIOR
2	= 2'8" x 6'8" x 1 1/4" EXTERIOR
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DETAIL OF STUD WALL CONSTRUCTION  
AT FUTURE GRAB BAR LOCATION

STRUCTURAL LEGEND  
WG1 DENOTES 3-1/2"x11 7/8" LVL2.0E  
FLUSH AT THE SECOND FLOOR LEVEL  
GLUED AND SCREWED BY MEAN OF  
TWO 1/4" SCREWS WITH FULL PENETRATION  
Ø 6" O/C STAGGERED AT EACH HORIZONTAL ROW.  
WITH 2 1/2" EDGE DISTANCES FROM TOP AND BOTTOM  
AND 5" END DISTANCES FROM EACH END.  
CONNECT WG1 TO LVL BEAMS AT EACH END BY MEAN OF JA9 BY MITEK  
JA9 - DETAIL BY MITEK  
C1 DENOTES 3-1/2" x 0.188 HSS  
IN BETWEEN STUDS WITH 3/8" TOP PLATE  
AND 6"x5/8"x10" + 2-1/2" ANCH. BOTTOM PLATE  
ON SOLID BEARING



FIRST FLOOR PLAN

## REVISIONS

#	DATE

ABOVE-GRADE MASONRY  
SHALL BE IN ACCORDANCE  
WITH O.B.C. SECTION 9.20

WOOD FRAME CONSTRUCTION  
SHALL BE IN ACCORDANCE  
WITH O.B.C. SECTION 9.23

## FLOOR AREAS AND COVERAGE

1st FLOOR	=	1041.89	SF
2nd FLOOR	=	96.79	SM
(-OPENINGS)	=	1332.64	SF
TOTAL	=	123.81	SM
COVERAGE	=	-31.11	SF
	=	-2.89	SM
	=	2343.42	SF
	=	217.71	SM
	=	1494.72	SF
	=	138.86	SM

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FINAL ROOF TRUSS LAYOUT

KING EAST  
ESTATES



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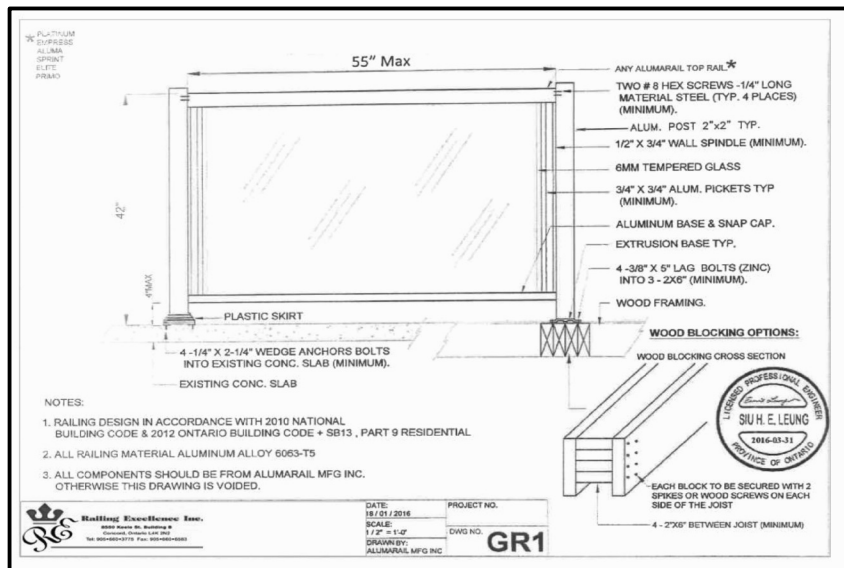
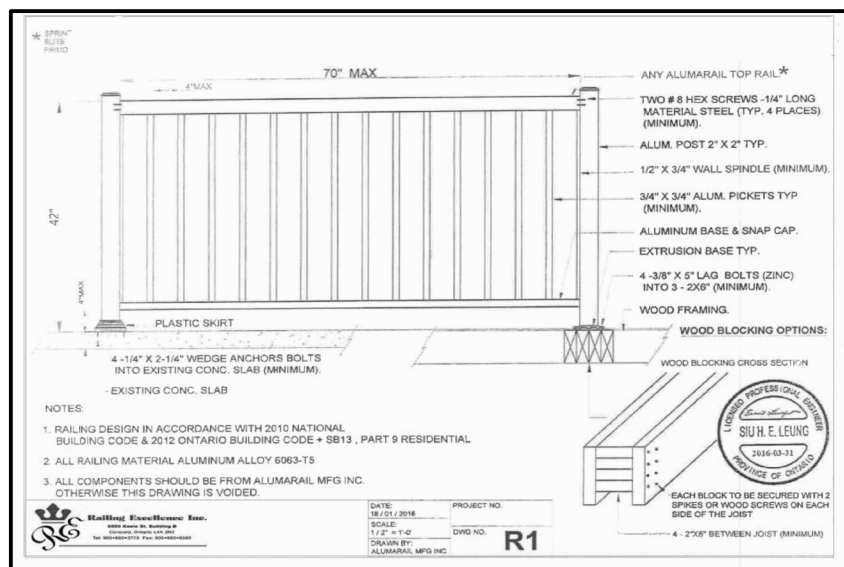
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TEL 905 660-9393  
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C2A-13  
MODEL 2350 A

PROJECT  
PROPOSED  
TWO STOREY DWELLING  
FOR: KING EAST DEVELOPMENTS INC.  
AT: MAPLETON STREET  
RICHMOND HILL

DRAWING  
FIRST FLOOR PLAN

DATE	APR '23	PROJECT NO	20-023
DRAWN	E.B.	DRAWING NO	A-3
CHECKED			
SCALE	3/16"=1'-0"		



DOOR SCHEDULE	
1	= 2'0" x 6'8" x 1 1/4" EXTERIOR
2	= 2'8" x 6'8" x 1 1/4" EXTERIOR
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LINTEL SCHEDULE	
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SPECIFIED DESIGN SNOW LOADS SHALL CONFORM TO OBC 9.4.2.2.

ATTICS AND ROOF SPACES SHALL CONFORM TO OBC 9.4.2.4.

IF WOOD OR SHEET STEEL WALL STUDS ENCLOSE THE MAIN BATHROOM IN A DWELLING UNIT, REINFORCEMENT SHALL BE INSTALLED TO PERMIT THE FUTURE INSTALLATION OF A GRAB BAR IN CONFORMANCE WITH OBC 9.5.2.3.

GLASS OTHER THAN SAFETY GLASS SHALL NOT BE USED FOR A SHOWER OR BATHTUB ENCLOSURE. [OBC B 9.6.1.4.(6)]

THE MINIMUM WINDOW GLASS AREA FOR ROOMS IN BUILDINGS OF RESIDENTIAL OCCUPANCY OR ROOM THAT ARE USED FOR SLEEPING SHALL CONFORM TO TABLE B 9.7.2.3.

WINDOWS, DOORS AND SKYLIGHTS SHALL CONFORM TO OBC B.9.7

DIMENSIONS FOR RECTANGULAR TREADS  
RISE MAX. 200 mm, MIN. 125 mm  
RUN MAX. 355 mm, MIN. 210 mm  
TREAD DEPTH MAX. 355 mm, MIN. 235 mm  
[OBC 9.8.4.2]

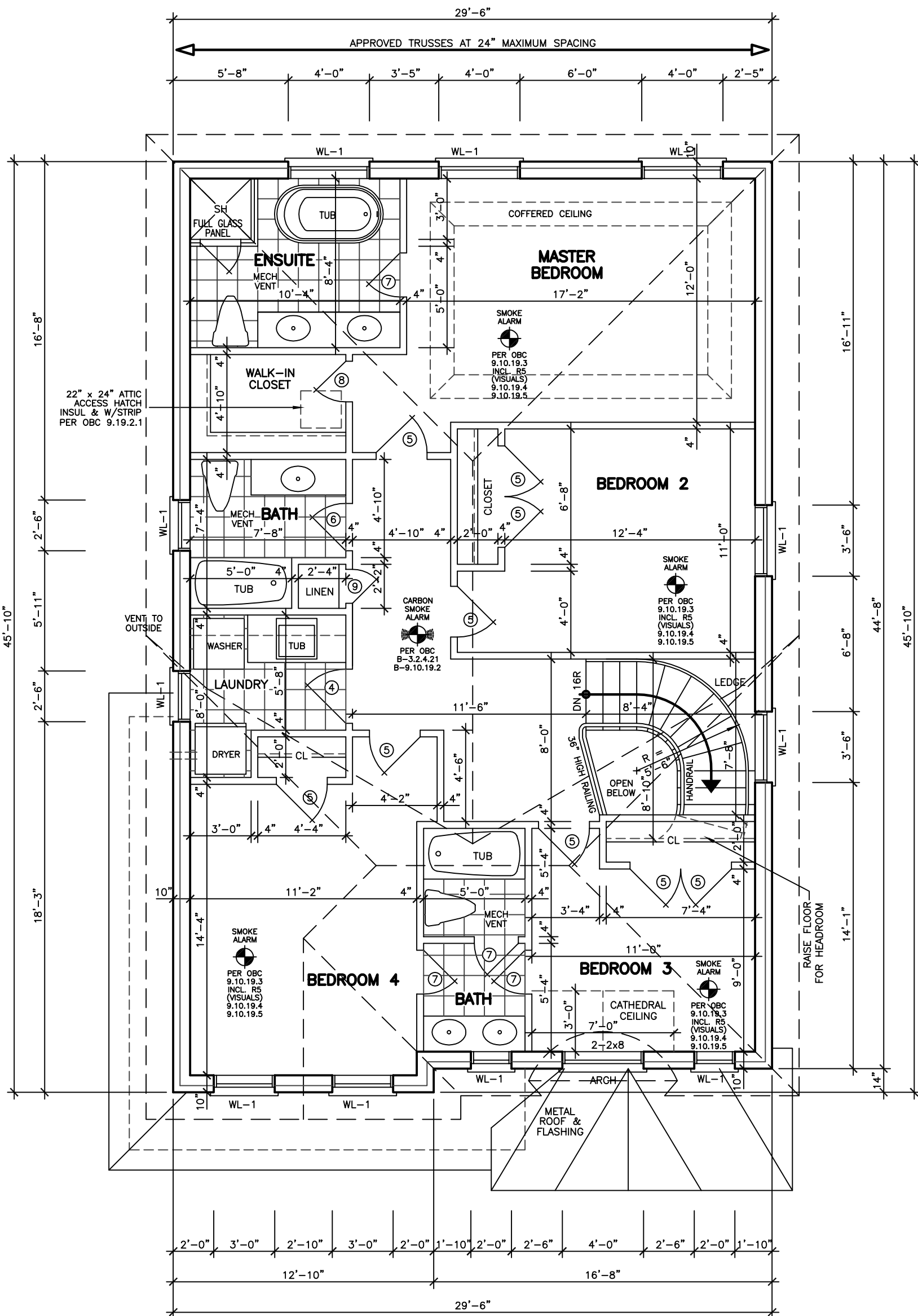
EVERY ATTIC OR ROOF SPACE SHALL BE PROVIDED WITH AN ACCESS HATCH WITH A MINIMUM AREA OF 0.32 sq. m. AND WITH NO DIMENSION LESS THAN 545 mm. ACCESS HATCHES SHALL BE FITTED WITH DOORS OR COVERS. [OBC 9.19.2.1]

WOOD ROOF TRUSSES SHALL CONFORM TO OBC 9.23.13.11.

ROOFS AND OTHER PLATFORMS THAT EFFECTIVELY SERVE AS ROOFS WITH RESPECT TO ACCUMULATION OR DRAINAGE OF PRECIPITATION, SHALL BE PROTECTED WITH ROOFING, INCLUDING FLASHING, INSTALLED TO SHED RAIN EFFECTIVELY AND TO PREVENT WATER, DUE TO ICE DAMMING, FROM ENTERING THE ROOF. [OBC 9.26.1.1]

#### STRUCTURAL NOTE

1. PROVIDE 3-2x8 OR 4-2x4 POST EXTENDED DOWN TO FOOTING AT EACH GIRDER TRUSS AND ROOF BEAM BERING (TYP.) UNLESS NOTED ON PLAN.



### SECOND FLOOR PLAN

#### REVISIONS

#	DATE

LEONARD KALISHENKO  
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STRUCTURAL ENGINEERS  
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DESIGN ONLY



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KING EAST  
ESTATES



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FAX 905 660-9419

C2A-13  
MODEL 2350 A

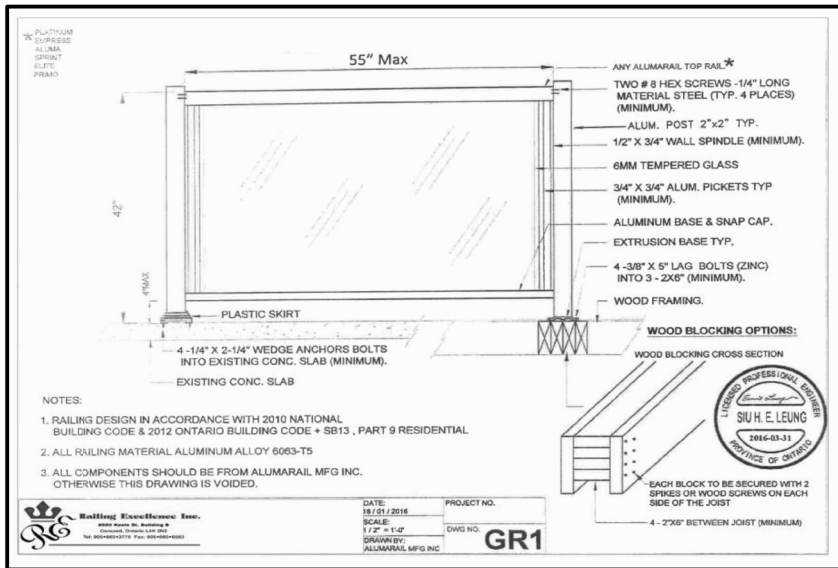
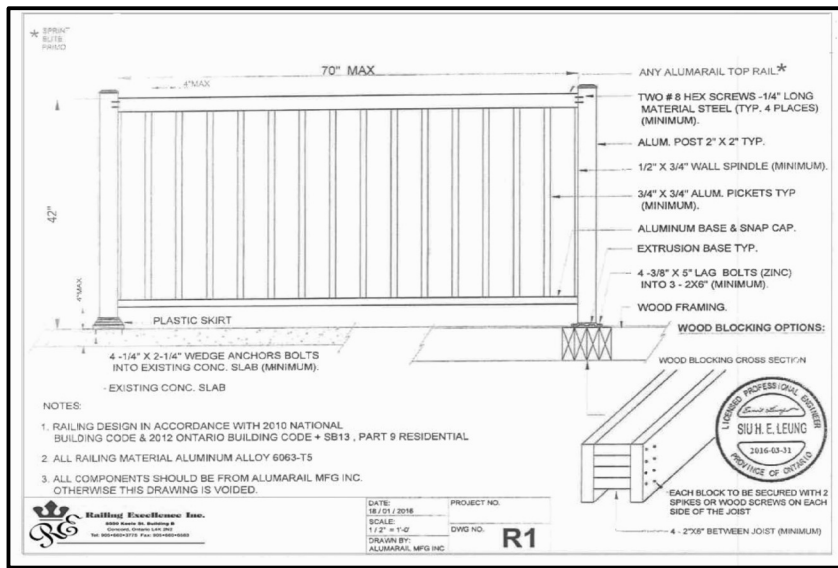
PROJECT  
PROPOSED  
TWO STOREY DWELLING  
FOR: KING EAST DEVELOPMENTS INC.  
AT: MAPLETON STREET  
RICHMOND HILL

DRAWING  
SECOND FLOOR PLAN

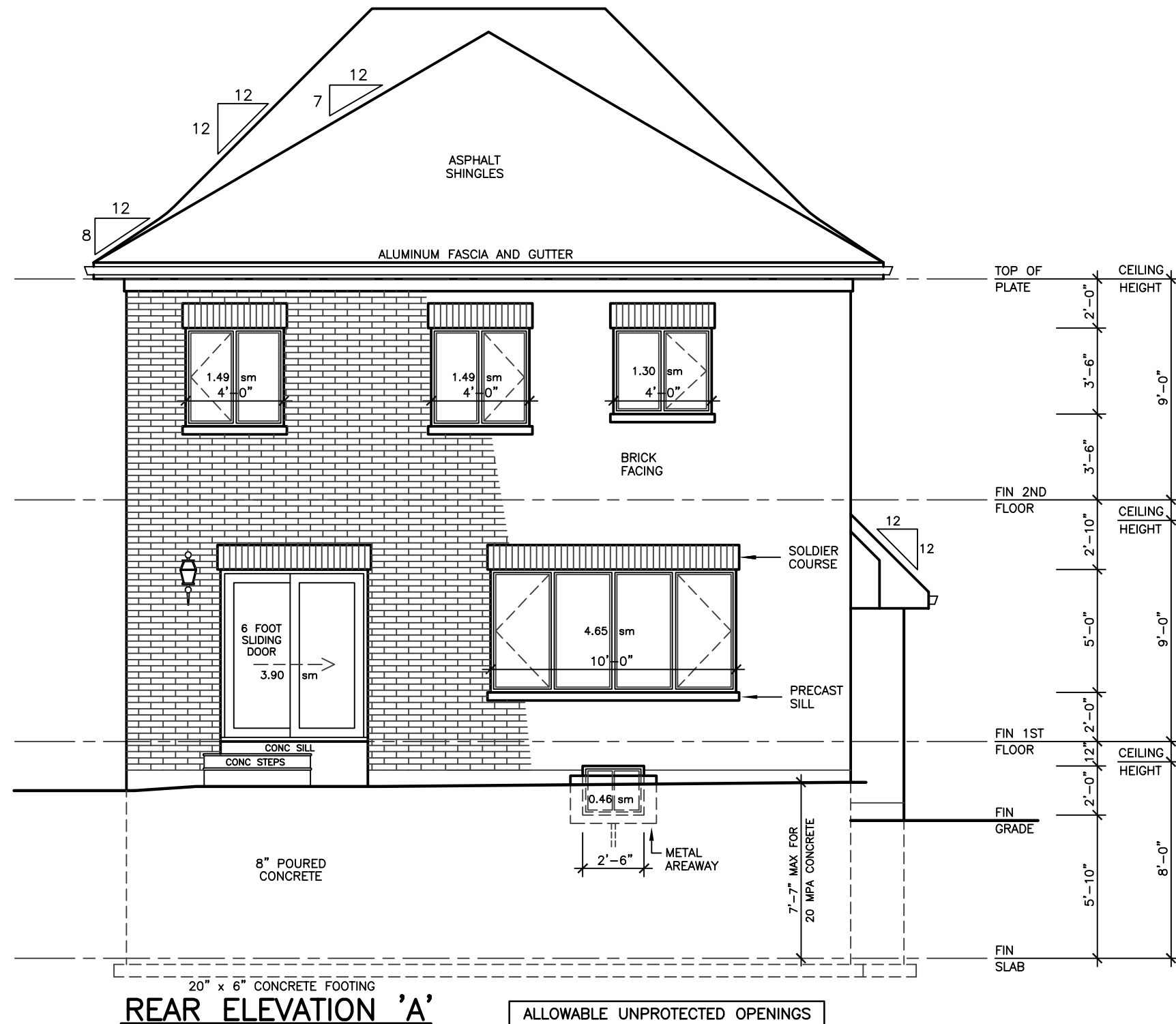
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DRAWN	E.B.	DRAWING NO.	A-4
CHECKED			
SCALE	3/16"=1'-0"		



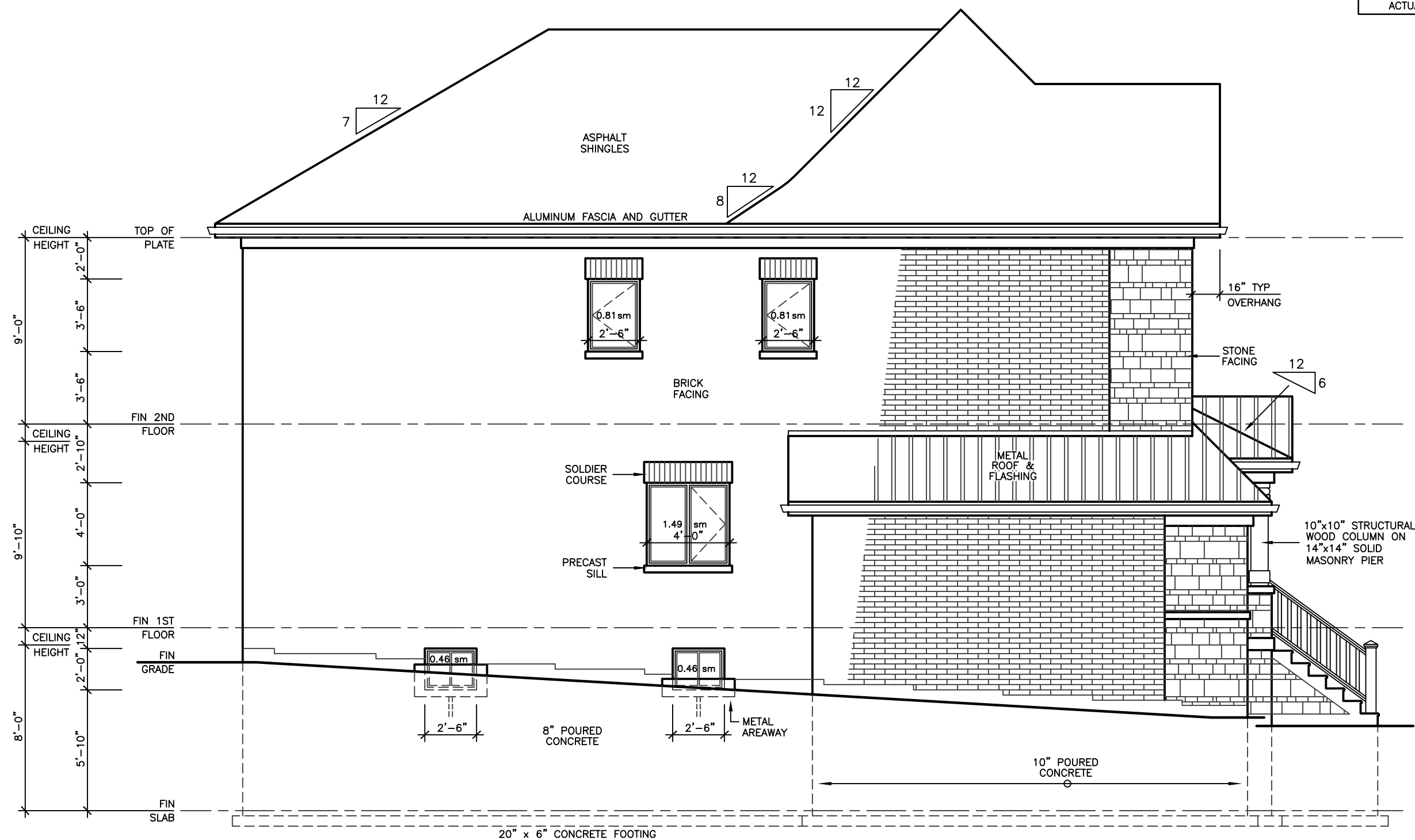




EXTERIOR TYPE LIGHTING



ALLOWABLE UNPROTECTED OPENINGS			
LIMITING DISTANCE	19.68 FT	6.00 M	
MAXIMUM PERCENTAGE	34.00 %		
TOTAL WALL AREA	627.02 SF	58.25 SM	
ALLOWABLE OPENINGS	213.19 SF	19.81 SM	
ACTUAL OPENINGS	143.00 SF	13.29 SM	



ALLOWABLE UNPROTECTED OPENINGS			
LIMITING DISTANCE	5.91 FT	1.80 M	
MAXIMUM PERCENTAGE	8.60 %		
TOTAL WALL AREA	1028.69 SF	95.57 SM	
ALLOWABLE OPENINGS	88.47 SF	8.22 SM	
ACTUAL OPENINGS	43.50 SF	4.04 SM	

## REVISIONS

#	DATE

LEONARD KALISHENKO  
AND ASSOCIATES LIMITED  
STRUCTURAL ENGINEERS  
FOR STRUCTURAL  
DESIGN ONLY



ASSUMED ROOF TRUSS BEARING  
ON THE EXTERIOR WALLS ONLY  
THE DESIGN OF ENTIRE STRUCTURE  
SHOULD BE REVIEWED TO ACCOMMODATE  
FINAL ROOF TRUSS LAYOUT

**KING EAST**  
ESTATES



ALL DRAWINGS & SPECIFICATIONS ARE THE PROPERTY  
OF THE ARCHITECT AND CANNOT BE USED OR  
REPRODUCED WITHOUT HIS APPROVAL.  
THE CONTRACTORS SHALL CHECK AND VERIFY ALL  
DIMENSIONS ON THE SITE AND REPORT ANY  
DISCREPANCIES TO THE ARCHITECT.  
DRAWINGS MUST NOT BE SCALED.

**ARCHITECTURAL  
DESIGN INC.**

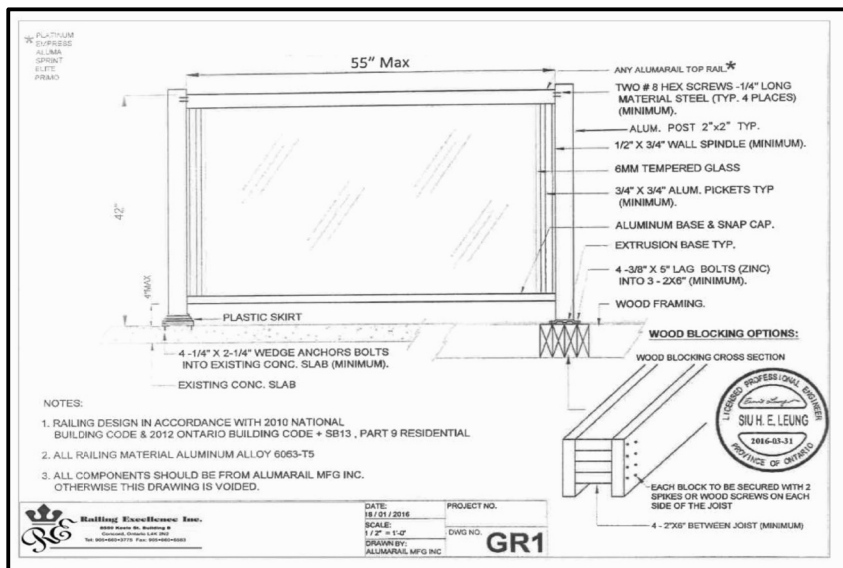
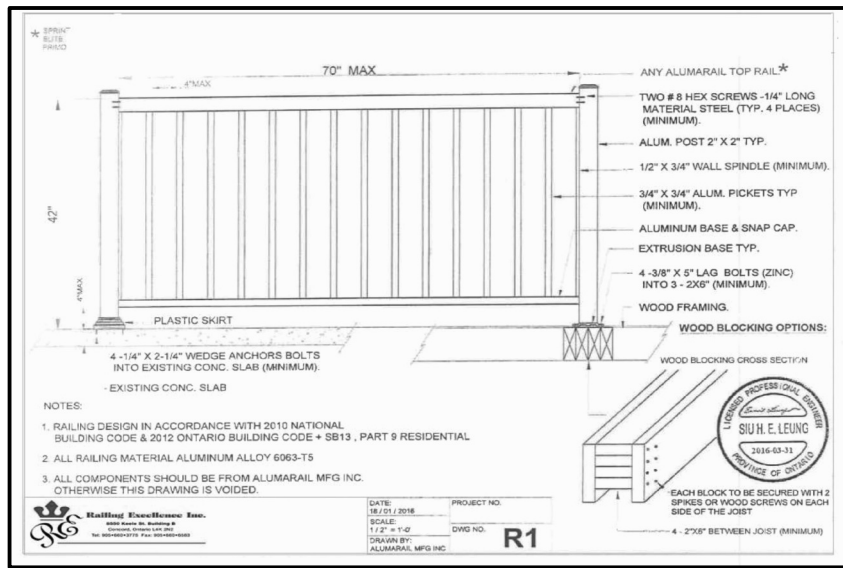
56 PENNSYLVANIA AVE.  
UNIT 1  
CONCORD, ONT. L4K 3V9  
TEL 905 660-9393  
FAX 905 660-9419

**C2A-13  
MODEL 2350 A**

PROJECT  
PROPOSED  
TWO STOREY DWELLING  
FOR: KING EAST DEVELOPMENTS INC.  
AT: MAPLETON STREET  
RICHMOND HILL

DRAWING  
REAR AND LEFT  
SIDE ELEVATIONS

DATE	APR '23	PROJECT NO	20-023
DRAWN	E.B.	DRAWING NO	A-6
CHECKED			
SCALE	3/16"=1'-0"		



DOOR SCHEDULE	
1	= 2'0" x 6'8" x 1 3/4" EXTERIOR
2	= 2'8" x 6'8" x 1 3/4" EXTERIOR
3	= 2'8" x 6'8" x 1 3/4" GARAGE, GASPROOF + CLOSER
4	= 2'8" x 6'8" x 1 3/8" INTERIOR
5	= 2'8" x 6'8" x 1 3/8" INTERIOR
6	= 2'4" x 6'8" x 1 3/8" INTERIOR
7	= 2'2" x 6'8" x 1 3/8" INTERIOR
8	= 2'8" x 6'8" x 1 3/8" INTERIOR
9	= 1'8" x 6'8" x 1 3/8" INTERIOR

LINTEL SCHEDULE	
L-1	= (2) LINTELS 3 1/2" x 3 1/2" x 1/4"
L-2	= W8 x 18 + 1/4" PLATE
WL-1	= 3 1/2" x 3 1/2" x 1/4" + (2) 2" x 8" #1 SPRUCE
WL-2	= 5" x 3 1/2" x 3/16" + (2) 2" x 10" #1 SPRUCE
WL-3	= 5" x 3 1/2" x 3/8" + (2) 2" x 12" #1 SPRUCE
WL-4	= 6" x 3 1/2" x 5/8" + (3) 2" x 12" #1 SPRUCE

CEILING HEIGHTS OF ROOMS OR SPACES IN RESIDENTIAL OCCUPANCIES AND LIVE/WORK UNITS SHALL CONFORM TO TABLE 9.5.3.1. AREAS IN ROOMS OR SPACES OVER WHICH CEILING HEIGHT IS NOT LESS THAN THE MINIMUM SPECIFIED IN TABLE 9.5.3.1 SHALL BE CONTIGUOUS WITH THE ENTRY OR ENTRIES TO THOSE ROOMS OR SPACES. [OBC 9.5.3.1]

CONCEALED SPACES IN INTERIOR WALLS, CEILINGS AND CRAWL SPACES SHALL BE SEPARATED BY FIRE BLOCKS FROM CONCEALED SPACES IN EXTERIOR WALLS AND ATTIC OR ROOF SPACES. [OBC 9.10.16.1.(1)]

SMOKE ALARMS CONFORMING TO CAN/ULC-5351, "SMOKE ALARMS", SHALL BE INSTALLED IN EACH DWELLING UNIT IN CONFORMANCE WITH OBC 9.10.19.1

THE MINIMUM DEPTH OF FOUNDATIONS BELOW FINISHED GROUND LEVEL SHALL BE IN ACCORDANCE WITH TABLE 9.12.2.2.

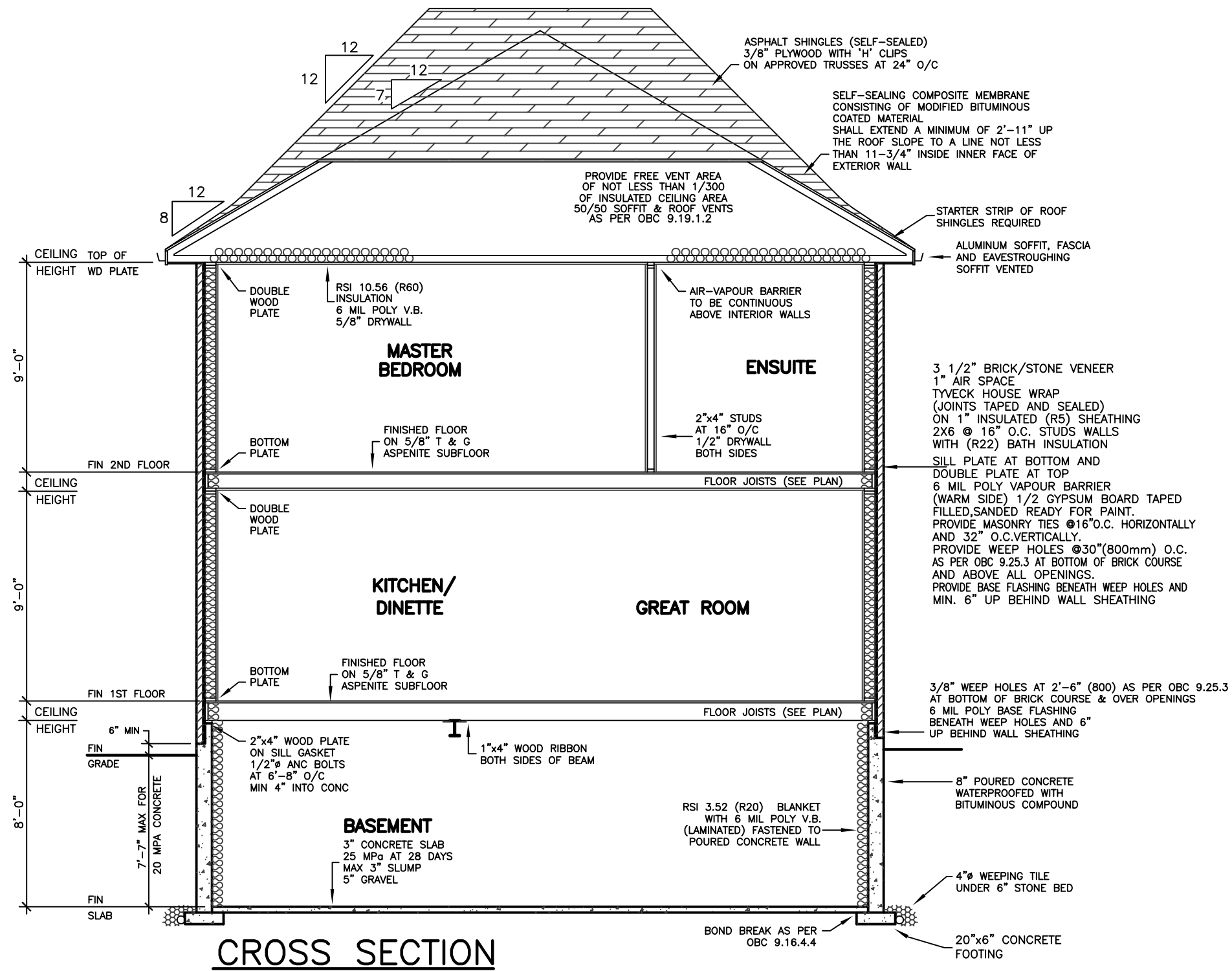
DRAIN TILE AND DRAIN PIPE FOR FOUNDATION DRAINAGE SHALL CONFORM TO THE ENTIRE SUBSECTION OBC B.9.14.3

FOOTINGS SHALL REST ON UNDISTURBED SOIL, ROCK OR COMPACTED GRANULAR FILL. [OBC 9.15.3.2]

WHERE THE TOP OF A FOUNDATION WALL IS REDUCED IN THICKNESS TO PERMIT THE INSTALLATION OF A MASONRY EXTERIOR FINISH, THE REDUCED SECTION SHALL BE (A) NOT LESS THAN 90 mm THICK, AND (B) TIED TO THE FACING MATERIAL WITH METAL TIES CONFORMING TO OBC 9.20.9.4.(3) SPACED NOT MORE THAN 200 mm O.C. VERTICALLY, AND 900 mm O.C. HORIZONTALLY. (C) THE SPACE BETWEEN THE WALL AND THE FACING SHALL BE FILLED WITH MORTAR. [OBC 9.15.4.7.(2)(3)]

ALL WALLS, CEILINGS AND FLOORS SEPARATING HEATED SPACE FROM UNHEATED SPACE, THE EXTERIOR AIR OR THE GROUND SHALL BE PROVIDED WITH THERMAL INSULATION CONFORMING TO SUBSECTIONS 9.25.2, AN AIR BARRIER SYSTEM CONFORMING TO SUBSECTION 9.25.3, AND A VAPOUR BARRIER CONFORMING TO SUBSECTION 9.25.4, AND CONSTRUCTED IN SUCH A WAY THAT THE PROPERTIES AND RELATIVE POSITION OF ALL THE MATERIALS CONFORM TO SUBSECTION 9.25.5

STUCCO SHALL BE NOT LESS THAN 200 mm ABOVE FINISHED GROUND LEVEL EXCEPT WHEN IT IS APPLIED OVER CONCRETE OR MASONRY. [OBC 9.28.1.4]



REVISIONS	
#	DATE

LEONARD KALISHENKO  
AND ASSOCIATES LIMITED  
STRUCTURAL ENGINEERS  
FOR STRUCTURAL  
DESIGN ONLY

REGISTERED PROFESSIONAL ENGINEER  
L. KALISHENKO  
7 DEC 2022  
PROVINCE OF ONTARIO

ASSUMED ROOF TRUSS BEARING  
ON THE EXTERIOR WALLS ONLY  
THE DESIGN OF ENTIRE STRUCTURE  
SHOULD BE REVIEWED TO ACCOMODATE  
FINAL ROOF TRUSS LAYOUT

KING EAST  
ESTATES

ONTARIO ASSOCIATION  
OF ARCHITECTS  
LEO ARENIA  
LICENCE 7561

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C2A-13  
MODEL 2350 A

PROJECT  
PROPOSED  
TWO STOREY DWELLING  
FOR: KING EAST DEVELOPMENTS INC.  
AT: MAPLETON STREET  
RICHMOND HILL

DRAWING  
CROSS SECTION

DATE	APR '23	PROJECT NO	20-023
DRAWN	E.B.	DRAWING NO	A-7
CHECKED			
SCALE	3/16"=1'-0"		



