BRAMPTON Flower City
brampton.ca

Planning and Development Services
Building Division
8850 McLaughlin Road, Unit 1
Brampton, ON L6Y 5T1

CITY OF BRAMPTON – BUILDING DIVISION

ARCHITECTURAL DRAWINGS

APPLICATION NO.:	19-567627 000 00 CM	FOLDER TYP.:	**CM**
DESCRIPTION OF PROJECT:	PLAN M2039	SUB TYP.:	**Semi Detached Dwelling**
BUILDERS NAME:	**GOLD PARK HOMES**		
PLAN NUMBER:		MODEL NAME:	**2017/SD-09**

CERTIFIED MODEL DOCUMENTS

PAGES:	DESCRIPTION OF DOCUMENTS		
A	**ARCHITECTURAL DRAWINGS:**		
	ELEVATION	DESCRIPTION	COMMENTS
2			
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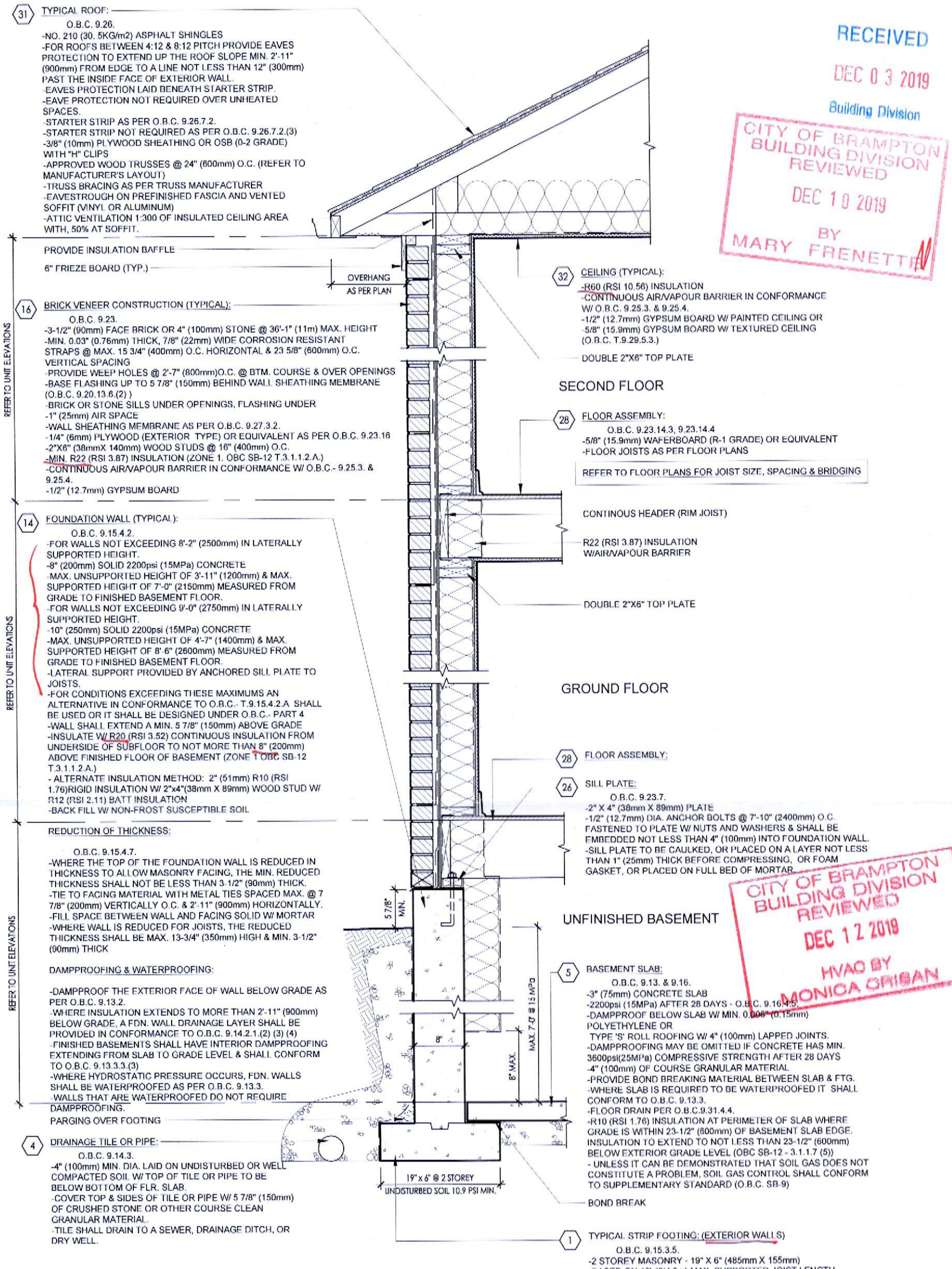

31 TYPICAL ROOF:
O.B.C. 9.26.
-NO. 210 (30. 5KG/m2) ASPHALT SHINGLES
-FOR ROOFS BETWEEN 4:12 & 8:12 PITCH PROVIDE EAVES PROTECTION TO EXTEND UP THE ROOF SLOPE MIN. 2'-11" (900mm) FROM EDGE TO A LINE NOT LESS THAN 12" (300mm) PAST THE INSIDE FACE OF EXTERIOR WALL.
-EAVES PROTECTION LAID BENEATH STARTER STRIP.
-EAVE PROTECTION NOT REQUIRED OVER UNHEATED SPACES.
-STARTER STRIP AS PER O.B.C. 9.26.7.2.
-STARTER STRIP NOT REQUIRED AS PER O.B.C. 9.26.7.2.(3)
-3/8" (10mm) PLYWOOD SHEATHING OR OSB (0-2 GRADE) WITH "H" CLIPS
-APPROVED WOOD TRUSSES @ 24" (600mm) O.C. (REFER TO MANUFACTURER'S LAYOUT)
-TRUSS BRACING AS PER TRUSS MANUFACTURER
-EAVESTROUGH ON PREFINISHED FASCIA AND VENTED SOFFIT (VINYL OR ALUMINUM)
-ATTIC VENTILATION 1:300 OF INSULATED CEILING AREA WITH, 50% AT SOFFIT.

16 BRICK VENEER CONSTRUCTION (TYPICAL):
O.B.C. 9.23.
-3-1/2" (90mm) FACE BRICK OR 4" (100mm) STONE @ 36'-1" (11m) MAX. HEIGHT
-MIN. 0.03" (0.76mm) THICK, 7/8" (22mm) WIDE CORROSION RESISTANT STRAPS @ MAX. 15 3/4" (400mm) O.C. HORIZONTAL & 23 5/8" (600mm) O.C. VERTICAL SPACING
-PROVIDE WEEP HOLES @ 2'-7" (800mm)O.C. @ BTM. COURSE & OVER OPENINGS
-BASE FLASHING UP TO 5 7/8" (150mm) BEHIND WALL SHEATHING MEMBRANE (O.B.C. 9.20.13.6.(2))
-BRICK OR STONE SILLS UNDER OPENINGS, FLASHING UNDER
-1" (25mm) AIR SPACE
-WALL SHEATHING MEMBRANE AS PER O.B.C. 9.27.3.2.
-1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9.23.16
-2"X6" (38mmX 140mm) WOOD STUDS @ 16" (400mm) O.C.
-MIN. R22 (RSI 3.87) INSULATION (ZONE 1. OBC SB-12 T.3.1.1.2.A.)
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD

14 FOUNDATION WALL (TYPICAL):
O.B.C. 9.15.4.2.
-FOR WALLS NOT EXCEEDING 8'-2" (2500mm) IN LATERALLY SUPPORTED HEIGHT.
-8" (200mm) SOLID 2200psi (15MPa) CONCRETE
-MAX. UNSUPPORTED HEIGHT OF 3'-11" (1200mm) & MAX. SUPPORTED HEIGHT OF 7'-0" (2150mm) MEASURED FROM GRADE TO FINISHED BASEMENT FLOOR.
-FOR WALLS NOT EXCEEDING 9'-0" (2750mm) IN LATERALLY SUPPORTED HEIGHT.
-10" (250mm) SOLID 2200psi (15MPa) CONCRETE
-MAX. UNSUPPORTED HEIGHT OF 4'-7" (1400mm) & MAX. SUPPORTED HEIGHT OF 8'-6" (2600mm) MEASURED FROM GRADE TO FINISHED BASEMENT FLOOR.
-LATERAL SUPPORT PROVIDED BY ANCHORED SILL PLATE TO JOISTS.
-FOR CONDITIONS EXCEEDING THESE MAXIMUMS AN ALTERNATIVE IN CONFORMANCE TO O.B.C.- T.9.15.4.2.A SHALL BE USED OR IT SHALL BE DESIGNED UNDER O.B.C.- PART 4
-WALL SHALL EXTEND A MIN. 5 7/8" (150mm) ABOVE GRADE
-INSULATE W/ R20 (RSI 3.52) CONTINUOUS INSULATION FROM UNDERSIDE OF SUBFLOOR TO NOT MORE THAN 8" (200mm) ABOVE FINISHED FLOOR OF BASEMENT (ZONE 1 OBC SB-12 T.3.1.1.2.A.)
- ALTERNATE INSULATION METHOD: 2" (51mm) R10 (RSI 1.76)RIGID INSULATION W/ 2"x4"(38mm X 89mm) WOOD STUD W/ R12 (RSI 2.11) BATT INSULATION
-BACK FILL W/ NON-FROST SUSCEPTIBLE SOIL

REDUCTION OF THICKNESS:
O.B.C. 9.15.4.7.
-WHERE THE TOP OF THE FOUNDATION WALL IS REDUCED IN THICKNESS TO ALLOW MASONRY FACING, THE MIN. REDUCED THICKNESS SHALL NOT BE LESS THAN 3-1/2" (90mm) THICK.
-TIE TO FACING MATERIAL WITH METAL TIES SPACED MAX. @ 7 7/8" (200mm) VERTICALLY O.C. & 2'-11" (900mm) HORIZONTALLY.
-FILL SPACE BETWEEN WALL AND FACING SOLID W/ MORTAR
-WHERE WALL IS REDUCED FOR JOISTS, THE REDUCED THICKNESS SHALL BE MAX. 13-3/4" (350mm) HIGH & MIN. 3-1/2" (90mm) THICK

DAMPPROOFING & WATERPROOFING:
-DAMPPROOF THE EXTERIOR FACE OF WALL BELOW GRADE AS PER O.B.C. 9.13.2.
-WHERE INSULATION EXTENDS TO MORE THAN 2'-11" (900mm) BELOW GRADE, A FDN. WALL DRAINAGE LAYER SHALL BE PROVIDED IN CONFORMANCE TO O.B.C. 9.14.2.1.(2) (3) (4)
-FINISHED BASEMENTS SHALL HAVE INTERIOR DAMPPROOFING EXTENDING FROM SLAB TO GRADE LEVEL & SHALL CONFORM TO O.B.C. 9.13.3.3.(3)
-WHERE HYDROSTATIC PRESSURE OCCURS, FDN. WALLS SHALL BE WATERPROOFED AS PER O.B.C. 9.13.3.
-WALLS THAT ARE WATERPROOFED DO NOT REQUIRE DAMPPROOFING.

4 DRAINAGE TILE OR PIPE:
O.B.C. 9.14.3.
-4" (100mm) MIN. DIA. LAID ON UNDISTURBED OR WELL COMPACTED SOIL W/ TOP OF TILE OR PIPE TO BE BELOW BOTTOM OF FLR. SLAB.
-COVER TOP & SIDES OF TILE OR PIPE W/ 5 7/8" (150mm) OF CRUSHED STONE OR OTHER COURSE CLEAN GRANULAR MATERIAL.
-TILE SHALL DRAIN TO A SEWER, DRAINAGE DITCH, OR DRY WELL.

32 CEILING (TYPICAL):
-R60 (RSI 10.56) INSULATION
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
-5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. T.9.29.5.3.)

28 FLOOR ASSEMBLY:
O.B.C. 9.23.14.3, 9.23.14.4
-5/8" (15.9mm) WAFERBOARD (R-1 GRADE) OR EQUIVALENT
-FLOOR JOISTS AS PER FLOOR PLANS
REFER TO FLOOR PLANS FOR JOIST SIZE, SPACING & BRIDGING

28 FLOOR ASSEMBLY:

26 SILL PLATE:
O.B.C. 9.23.7.
-2" X 4" (38mm X 89mm) PLATE
-1/2" (12.7mm) DIA. ANCHOR BOLTS @ 7'-10" (2400mm) O.C. FASTENED TO PLATE W/ NUTS AND WASHERS & SHALL BE EMBEDDED NOT LESS THAN 4" (100mm) INTO FOUNDATION WALL.
-SILL PLATE TO BE CAULKED, OR PLACED ON A LAYER NOT LESS THAN 1" (25mm) THICK BEFORE COMPRESSING, OR FOAM GASKET, OR PLACED ON FULL BED OF MORTAR.

5 BASEMENT SLAB:
O.B.C. 9.13. & 9.16.
-3" (75mm) CONCRETE SLAB
-2200psi (15MPa) AFTER 28 DAYS - O.B.C. 9.16.4.5.
-DAMPPROOF BELOW SLAB W/ MIN. 0.006" (0.15mm) POLYETHYLENE OR TYPE 'S' ROLL ROOFING W/ 4" (100mm) LAPPED JOINTS.
-DAMPPROOFING MAY BE OMITTED IF CONCRETE HAS MIN. 3600psi(25MPa) COMPRESSIVE STRENGTH AFTER 28 DAYS
-4" (100mm) OF COURSE GRANULAR MATERIAL
-PROVIDE BOND BREAKING MATERIAL BETWEEN SLAB & FTG.
-WHERE SLAB IS REQUIRED TO BE WATERPROOFED IT SHALL CONFORM TO O.B.C. 9.13.3.
-FLOOR DRAIN PER O.B.C.9.31.4.4.
-R10 (RSI 1.76) INSULATION AT PERIMETER OF SLAB WHERE GRADE IS WITHIN 23-1/2" (600mm) OF BASEMENT SLAB EDGE. INSULATION TO EXTEND TO NOT LESS THAN 23-1/2" (600mm) BELOW EXTERIOR GRADE LEVEL (OBC SB-12 - 3.1.1.7 (5))
- UNLESS IT CAN BE DEMONSTRATED THAT SOIL GAS DOES NOT CONSTITUTE A PROBLEM, SOIL GAS CONTROL SHALL CONFORM TO SUPPLEMENTARY STANDARD (O.B.C. SB-9)

1 TYPICAL STRIP FOOTING: (EXTERIOR WALLS)
O.B.C. 9.15.3.5.
-2 STOREY MASONRY - 19" X 6" (485mm X 155mm)
-BASED ON 16'-1"(4.9m) MAX. SUPPORTED JOIST LENGTH
-MIN. 2200psi (15MPa) CONCRETE AFTER 28 DAYS
-SHALL REST ON UNDISTURBED SOIL, ROCK OR COMPACTED GRANULAR FILL W/ MIN. 10.9psi (75kPa) BEARING CAPACITY
-FTG. TO HAVE CONTINUOUS KEY
-FTG. SIZES MAY BE REDUCED FOR SOILS W/ GREATER BEARING CAPACITY (AS PER SOILS ENGINEERING REPORT)

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Building Division
CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 1 0 2019
BY
MARY FRENETTE

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 1 2 2019
HVAC BY
MONICA GRIGAN

All work shall conform to the Ontario Building Code O. Reg. 332/12 as amended

16-1 BRICK VENEER WALL - 2 STOREY

SCALE: 3/4" = 1'-0" PACKAGE: A1
MINIMUM REQUIREMENTS: FFR= N/A, STC = N/A

File:D:\vacation projects\13098\Architectural\Models\DETAILS\13098 WALL SECTION.dwg Plotted: May 31, 2017 By:JosephM

I, JULIO PINZON DECLARE THAT I HAVE REVIEWED AND TAKEN DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF **RN DESIGN LTD.**,UNDER DIVISION C,PART-3 SUBSECTION-3.2.4 OF THE BUILDING CODE. I AM QUALIFIED AND THE FIRM IS REGISTERED IN THE APPROPRIATE CLASSES / CATEGORIES.

QUALIFIED DESIGNER BCIN: 38688
FIRM BCIN: 26995
DATE:
SIGNATURE:

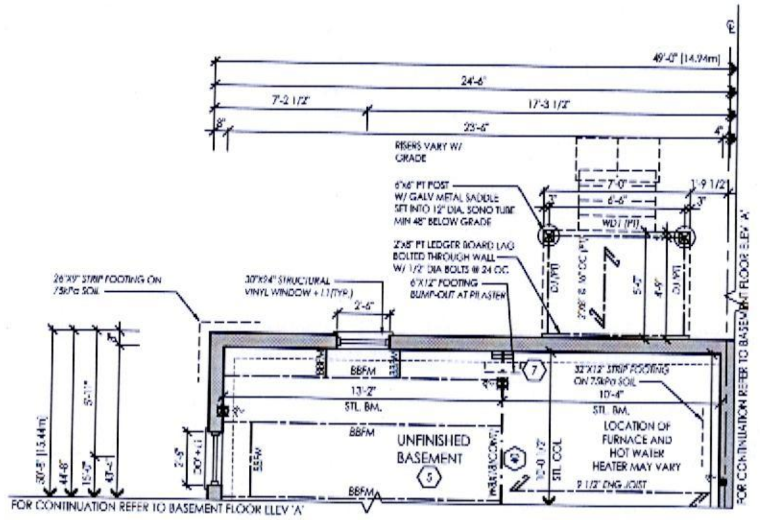
client: Gold Park Homes
location: Brampton
project: Mclaughlin and Mayfield
marketing name

#	revisions	date	dwn	chk
1	ISSUED FOR PERMIT	31-MAY-17	JM	JM

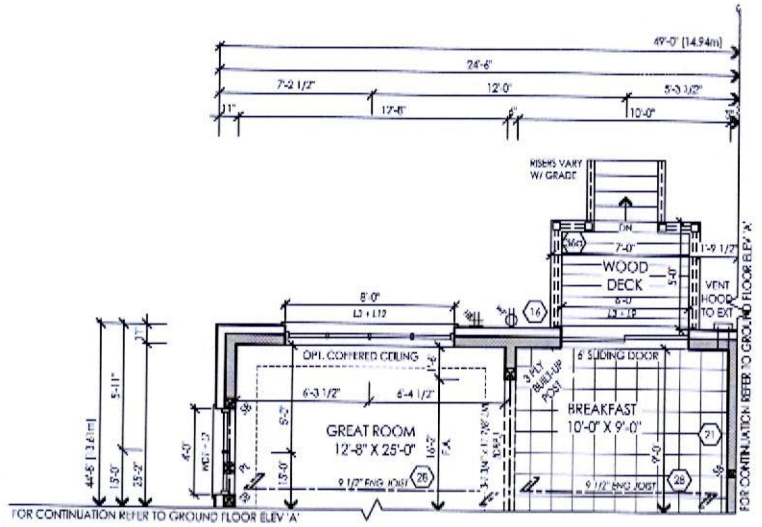
RN design
Imagine • Inspire • Create

model: WALL SECTION
scale: 3/16" = 1'0"
project #: 13098
page: D4a

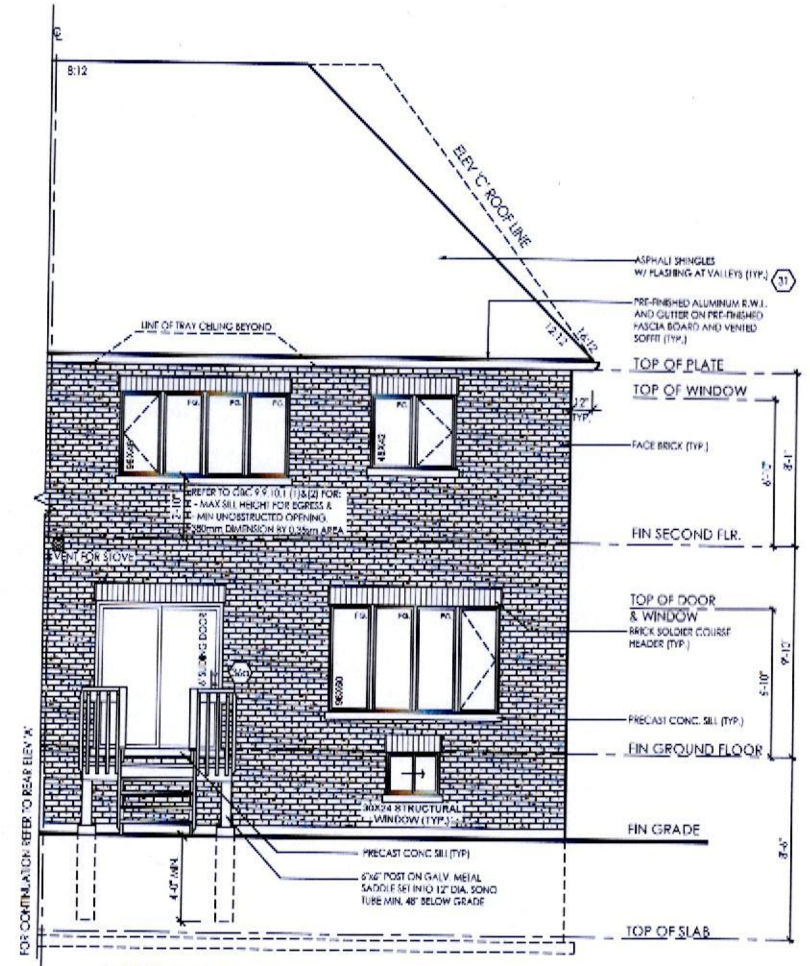
CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 10 2019
BY
MARY FRENETTE



PARTIAL BASEMENT FLOOR ELEV 'A', 'B', 'C' & 'D' - WOD CONDITION



PARTIAL GROUND FLOOR ELEV 'A', 'B', 'C' & 'D' - WOD CONDITION



PARTIAL REAR ELEVATION 'A', 'B', 'C' & 'D' - WOD CONDITION

RN DESIGN

WWW.RNDESIGN.COM
Tel: 905-738-3177
WWW.THEPLUSGROUP.CA

I, JORGE MORENO DECLARE THAT I HAVE REVIEWED AND TAKEN DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF RN DESIGN LTD. UNDER DIVISION C PART 3 SUBSECTION 3.2.4 OF THE BUILDING CODE. I AM QUALIFIED AND THE FIRM IS REGISTERED IN THE APPROPRIATE CLASSES / CATEGORIES.

QUALIFIED DESIGNER BCIN: 47245
FIRM BCIN: 26995
DATE: 2-DEC-19

SIGNATURE

All work shall conform to the Ontario Building Code O. Reg. 332/12 as amended

#	revisions	date	dwn	chk
1	ISSUED FOR PERMIT			

client: Gold Park Homes

project: ENCORE 2, Brampton

model: SD-09, THE GERSHWIN

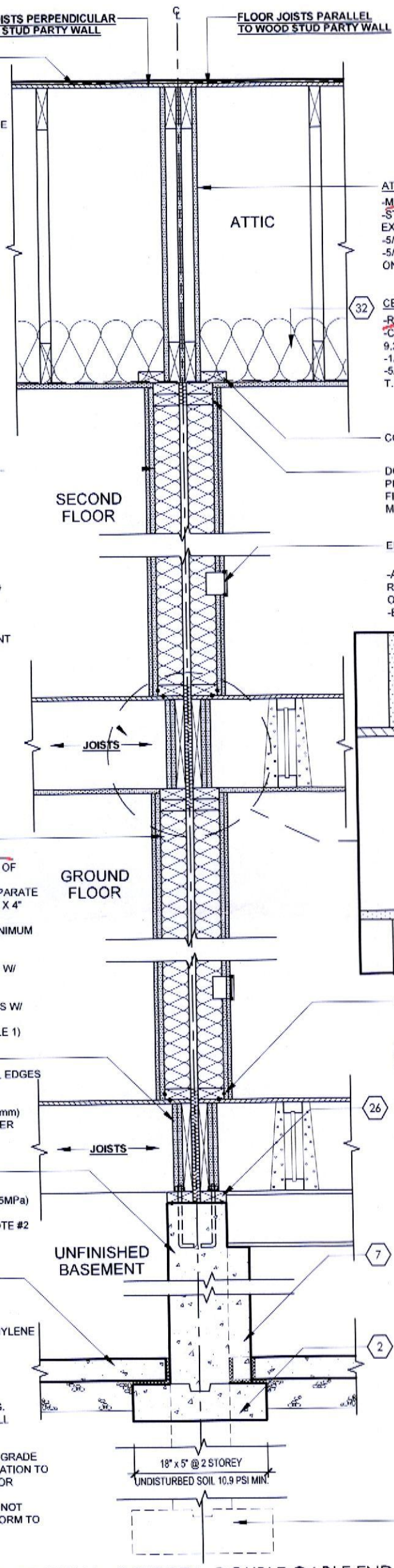
project #: 19037

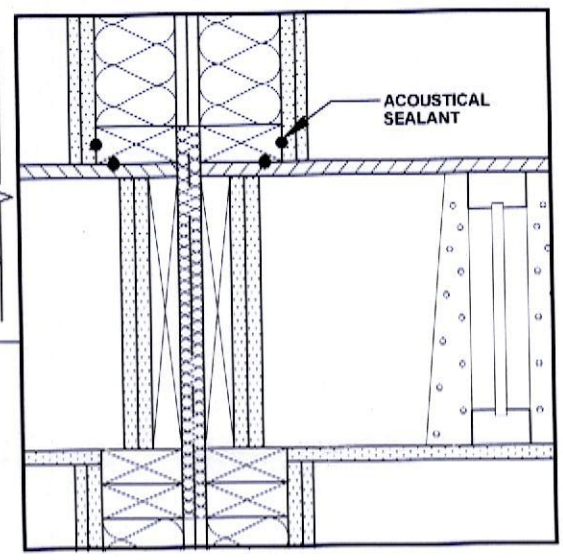
scale: 3/16" = 1'-0"

page: A10

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 10 2019
BY
MARY FRENETTE

All work shall conform to the Ontario Building Code O. Reg. 332/12 as amended





31 TYPICAL ROOF:

O.B.C. 9.26.
-NO. 210 (30. 5KG/m2) ASPHALT SHINGLES
-FOR ROOFS BETWEEN 4:12 & 8:12 PITCH PROVIDE EAVES PROTECTION TO EXTEND UP THE ROOF SLOPE MIN. 2'-11" (900mm) FROM EDGE TO A LINE NOT LESS THAN 12" (300mm) PAST THE INSIDE FACE OF EXTERIOR WALL.
-EAVES PROTECTION LAID BENEATH STARTER STRIP.
-EAVE PROTECTION NOT REQUIRED OVER UNHEATED SPACES.
-STARTER STRIP AS PER O.B.C. 9.26.7.2.
-STARTER STRIP NOT REQUIRED AS PER O.B.C. 9.26.7.2.(3)
-3/8" (10mm) PLYWOOD SHEATHING OR OSB (0-2 GRADE) WITH "H" CLIPS
-APPROVED WOOD TRUSSES @ 24" (600mm) O.C. (REFER TO MANUFACTURER'S LAYOUT)
-TRUSS BRACING AS PER TRUSS MANUFACTURER
-EAVESTROUGH ON PREFINISHED FASCIA AND VENTED SOFFIT (VINYL OR ALUMINUM)
-ATTIC VENTILATION 1:300 OF INSULATED CEILING AREA WITH, 50% AT SOFFIT.

LICENSED PROFESSIONAL ENGINEER
R. J. C. GOHLICH
100502549
Aug 29/2019
PROVINCE OF ONTARIO

FOR STRUCTURAL ONLY EXCLUDING ENGINEERED ROOF TRUSS, FLOOR JOIST AND FLOOR LVL BEAM DESIGN

21 PARTY WALL - WOOD STUD (TYPICAL)

28 FLOOR ASSEMBLY:

O.B.C. 9.23.14.3, 9.23.14.4
-5/8" (15.9mm) WAFERBOARD (R-1 GRADE) OR EQUIVALENT
-FLOOR JOISTS AS PER FLOOR PLANS

REFER TO FLOOR PLANS FOR JOIST SIZE, SPACING & BRIDGING

ATTIC PARTY WALL:
-MIN. 1 HR FIRE RESISTANCE RATING REQUIRED
-STRUCTURAL GABLE END TRUSSES BOTH SIDES TO BEAR ON EXTERIOR WALLS ONLY
-5/8" (15.9mm) TYPE 'X' GYPSUM BOARD BOTH SIDES TAPED & FILLED
-5/8" (15.9mm) TYPE 'X' GYPSUM BETWEEN TRUSSES ATTACHED TO ONE TRUSS

32 CEILING (TYPICAL):
-R60 (RSI 10.56) INSULATION
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
-5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. T.9.29.5.3.)

CONT. 2" x 4" (38mm X 89mm) NAILER EACH SIDE OF ROOF TRUSSES

DOUBLE 2" x 4" (38mm X 89mm) TOP PLATES WHERE SPACE BETWEEN PLATES IS GREATER THAN 1" (25mm) SPACE SHALL BE TIGHTLY FILLED W/ MINERAL WOOL OR OTHER FLEXIBLE & NON COMBUSTIBLE MATERIAL

ELECTRICAL OUTLET/ACOUSTICAL SEALANT:

SB-3 NOTE (2) TO TABLE 1
-ASSEMBLIES WITH SOUND TRANSMISSION CLASS OF 50 OR MORE REQUIRE ACOUSTICAL SELANT AROUND ELECTRICAL BOXES AN OTHER OPENINGS.
-ELECTRICAL BOXES TO NOT BE WITHIN SAME STUD CAVITY

21 PARTY WALL - WOOD STUD (TYPICAL):

O.B.C. SB-3 WALL # W15c (STC = 61, FIRE = 1 HR)
-MIN. 1HR FIRE-RESISTANCE RATING CONTINUOUS FROM TOP OF FOOTINGS TO THE U/S OF ROOF DECK
-2 ROWS 2"X4"(38mmX 89mm) STUDS @ 16"(400mm) O.C. W/ SEPARATE 2" X 4" (38mmX 89mm) BOTTOM PLATE & SEPARATE DOUBLE 2" X 4" (38mmX 89mm) TOP PLATES
-SOUND ABSORPTIVE MATERIAL ON BOTH SIDES FILLING A MINIMUM OF 90% OF THE CAVITY.
-2 LAYERS OF GYSUM ON BOTH SIDES (as follows):
-1st LAYER - 5/8" (16mm) TYPE 'X' GYPSUM BOARD BOTH SIDES W/ JOINTS TAPED & FILLED.
-ACOUSTIC GREEN GLUE b/w GYPSUM 1st & 2nd LAYERS
-2nd LAYER - 1/2" (12mm) REGULAR GYSUM BOARD BOTH SIDES W/ JOINTS TAPED & FILLED
-ACOUSTICAL SEALANT AS PER O.B.C. SB-3 (NOTE (2) TO TABLE 1)

FLOOR HEADER ASSEMBLY (TYPICAL):
-2-5/8" (15.9mm) TYPE 'X' GYPSUM WALLBOARD EACH SIDE ALL EDGES TAPED & FILLED
-1 1/2" (38mm) HEADER JOIST EACH SIDE
-WHERE SPACE BETWEEN HEADERS IS GREATER THAN 1" (25mm) SPACE SHALL BE TIGHTLY FILLED W/ MINERAL WOOL OR OTHER FLEXIBLE FIRE STOPPING MATERIAL

20 PARTY WALL (FOUNDATION):

O.B.C. 9.15.4.2.
-7 7/8" (200mm) SOLID CONC. FOUNDATION WALL @ 2200psi (15MPa) COMPRESSIVE STRENGTH AFTER 28 DAYS
-FOUNDATION WALL TO REST ON FOOTING PER GENERAL NOTE #2

5 BASEMENT SLAB:

O.B.C. 9.13. & 9.16.
-3" (75mm) CONCRETE SLAB
-2200psi (15MPa) AFTER 28 DAYS - O.B.C. 9.16.4.5.
-DAMPPROOF BELOW SLAB W/ MIN. 0.006" (0.15mm) POLYETHYLENE OR
TYPE 'S' ROLL ROOFING W/ 4" (100mm) LAPPED JOINTS.
-DAMPPROOFING MAY BE OMITTED IF CONCRETE HAS MIN. 3600psi(25MPa) COMPRESSIVE STRENGTH AFTER 28 DAYS
-4" (100mm) OF COURSE GRANULAR MATERIAL
-PROVIDE BOND BREAKING MATERIAL BETWEEN SLAB & FTG.
-WHERE SLAB IS REQUIRED TO BE WATERPROOFED IT SHALL CONFORM TO O.B.C. 9.13.3.
-FLOOR DRAIN PER O.B.C.9.31.4.4.
-R10 (RSI 1.76) INSULATION AT PERIMETER OF SLAB WHERE GRADE IS WITHIN 23-1/2" (600mm) OF BASEMENT SLAB EDGE. INSULATION TO EXTEND TO NOT LESS THAN 23-1/2" (600mm) BELOW EXTERIOR GRADE LEVEL (OBC SB-12 - 3.1.1.7 (5))
- UNLESS IT CAN BE DEMONSTRATED THAT SOIL GAS DOES NOT CONSTITUTE A PROBLEM, SOIL GAS CONTROL SHALL CONFORM TO SUPPLEMENTARY STANDARD (O.B.C. SB-9)

ACOUSTICAL SEALANT:

SB-3 NOTE (2) TO TABLE 1

-ASSEMBLIES WITH SOUND TRANSMISSION CLASS OF 50 OR MORE REQUIRE ACOUSTICAL SELANT AT THE JUNCTION OF INTERSECTING WALLS AND FLOORS

26 SILL PLATE:

O.B.C. 9.23.7.
-2" X 4" (38mm X 89mm) PLATE
-1/2" (12.7mm) DIA. ANCHOR BOLTS @ 7'-10" (2400mm) O.C. FASTENED TO PLATE W/ NUTS AND WASHERS & SHALL BE EMBEDDED NOT LESS THAN 4" (100mm) INTO FOUNDATION WALL.
-SILL PLATE TO BE CAULKED, OR PLACED ON A LAYER NOT LESS THAN 1" (25mm) THICK BEFORE COMPRESSING, OR FOAM GASKET, OR PLACED ON FULL BED OF MORTAR.

7 PILASTERS:

O.B.C. 9.15.5.3.
-CONCRETE NIB - 4" X 12" (100mm X 300mm)
-BLOCK NIB - 4" X 12" (100mm X 300mm) BONDED & TIED TO WALL AS PER O.B.C. 9.20.11.2. TOP 7 7/8" (200mm) SOLID.

2 TYPICAL STRIP FOOTING: (INTERIOR BEARING WALLS)

O.B.C. 9.15.3. & 9.15.3.6
-2 STOREY STUD - 18" X 5" (450mm X 130mm)
-BASED ON 16'-1"(4.9m) MAX. SUPPORTED JOIST LENGTH
-MIN. 2200psi (15MPa) CONCRETE AFTER 28 DAYS
-SHALL REST ON UNDISTURBED SOIL, ROCK OR COMPACTED GRANULAR FILL W/ MIN. 10.9psi (75kPa) BEARING CAPACITY
-FTG. TO HAVE CONTINUOUS KEY
-FTG. SIZES MAY BE REDUCED FOR SOILS W/ GREATER BEARING CAPACITY (AS PER SOILS ENGINEERING REPORT)
- REFER TO WORKING DRAWINGS FOR FOOTING SIZES THAT MAY SUPERSEDE SIZE SHOWN HERE.

-STEPPED FOUNDATION WALL BEYOND 4'0" BELOW GRADE MIN. (REFER TO FOUNDATION FLOOR PLAN)

21-1 DOUBLE STUD PARTY WALL - 2 STOREY - DOUBLE GABLE END TRUSS ATTIC

SCALE: 3/4" = 1'-0" PACKAGE: A1
MINIMUM REQUIREMENTS: FRR=1 HR STC=50

All work shall conform to the Ontario Building Code O. Reg. 332/12 as amended

I, DECLARE THAT I HAVE REVIEWED AND TAKEN DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF **RN DESIGN LTD**, UNDER DIVISION C, PART-3 SUBSECTION-3.2.4 OF THE BUILDING CODE. I AM QUALIFIED AND THE FIRM IS REGISTERED IN THE APPROPRIATE CLASSES / CATEGORIES.

QUALIFIED DESIGNER BCIN:
FIRM BCIN:
DATE:

SIGNATURE:

client: Gold Park Homes
location: Brampton
project: Mclaughlin and Mayfield
marketing name:

#	revisions	date	dwn	chk
1	ISSUED FOR CLIENT REVIEW	29-Mar-2019	DJH	DJH

RN design
Imagine • Inspire • Create

model: STD PARTYWALL DET
scale: 3/16" = 1'0"
project #: 13098

page: D1

(1) TYPICAL STRIP FOOTINGS (EXRERIOR WALLS):
(SEE CROSS SECTION FOR FOOTING SIZES)

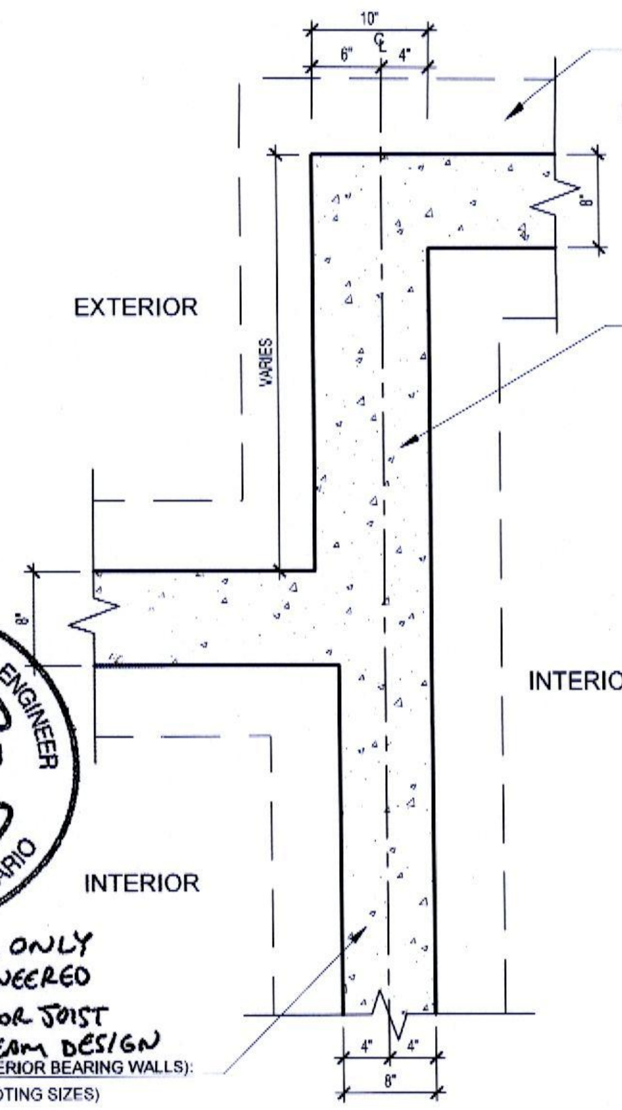
(14) FOUNDATION WALL (TYPICAL):
O.B.C. 9.15.4.2.
-FOR WALLS NOT EXCEEDING 8'-2" (2500mm) IN LATERALLY SUPPORTED HEIGHT.
-8" (200mm) SOLID 2200psi (15MPa) CONCRETE
-MAX. UNSUPPORTED HEIGHT OF 3'-11" (1200mm) & MAX. SUPPORTED HEIGHT OF 7'-0" (2150mm) MEASURED FROM GRADE TO FINISHED BASEMENT FLOOR.
-FOR WALLS NOT EXCEEDING 9'-0" (2750mm) IN LATERALLY SUPPORTED HEIGHT.
-10" (250mm) SOLID 2200psi (15MPa) CONCRETE
-MAX. UNSUPPORTED HEIGHT OF 4'-7" (1400mm) & MAX. SUPPORTED HEIGHT OF 8'-6" (2600mm) MEASURED FROM GRADE TO FINISHED BASEMENT FLOOR.
-LATERAL SUPPORT PROVIDED BY ANCHORED SILL PLATE TO JOISTS.
-FOR CONDITIONS EXCEEDING THESE MAXIMUMS AN ALTERNATIVE IN CONFORMANCE TO O.B.C.- T.9.15.4.2.A SHALL BE USED OR IT SHALL BE DESIGNED UNDER O.B.C.- PART 4
-WALL SHALL EXTEND A MIN. 5 7/8" (150mm) ABOVE GRADE
-INSULATE W/ R20 (RSI 3.52) CONTINUOUS INSULATION FROM UNDERSIDE OF SUBFLOOR TO NOT MORE THAN 8" (200mm) ABOVE FINISHED FLOOR OF BASEMENT (ZONE 1 OBC SB-12 T.3.1.1.2.A.)
- ALTERNATE INSULATION METHOD: 2" (51mm) R10 (RSI 1.76)RIGID INSULATION W/ 2"x4"(38mm X 89mm) WOOD STUD W/ R12 (RSI 2.11) BATT INSULATION
-BACK FILL W/ NON-FROST SUSCEPTIBLE SOIL

REDUCTION OF THICKNESS:

O.B.C. 9.15.4.7.
-WHERE THE TOP OF THE FOUNDATION WALL IS REDUCED IN THICKNESS TO ALLOW MASONRY FACING, THE MIN. REDUCED THICKNESS SHALL NOT BE LESS THAN 3-1/2" (90mm) THICK.
-TIE TO FACING MATERIAL WITH METAL TIES SPACED MAX. @ 7 7/8" (200mm) VERTICALLY O.C. & 2'-11" (900mm) HORIZONTALLY.
-FILL SPACE BETWEEN WALL AND FACING SOLID W/ MORTAR
-WHERE WALL IS REDUCED FOR JOISTS, THE REDUCED THICKNESS SHALL BE MAX. 13-3/4" (350mm) HIGH & MIN. 3-1/2" (90mm) THICK

DAMPPROOFING & WATERPROOFING:

-DAMPPROOF THE EXTERIOR FACE OF WALL BELOW GRADE AS PER O.B.C. 9.13.2.
-WHERE INSULATION EXTENDS TO MORE THAN 2'-11" (900mm) BELOW GRADE, A FDN. WALL DRAINAGE LAYER SHALL BE PROVIDED IN CONFORMANCE TO O.B.C. 9.14.2.1.(2) (3) (4)
-FINISHED BASEMENTS SHALL HAVE INTERIOR DAMPPROOFING EXTENDING FROM SLAB TO GRADE LEVEL & SHALL CONFORM TO O.B.C. 9.13.3.3.(3)
-WHERE HYDROSTATIC PRESSURE OCCURS, FDN. WALLS SHALL BE WATERPROOFED AS PER O.B.C. 9.13.3.
-WALLS THAT ARE WATERPROOFED DO NOT REQUIRE DAMPPROOFING.



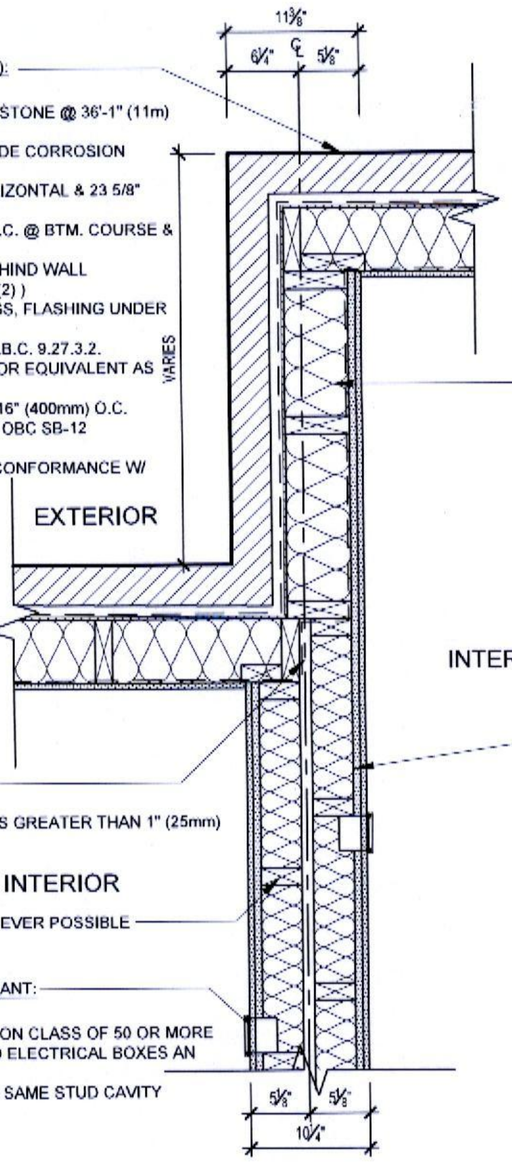
LICENSED PROFESSIONAL ENGINEER
R. J. C. GOHLICH
100502549
Aug 29/2019
PROVINCE OF ONTARIO

FOR STRUCTURAL ONLY
EXCLUDING ENGINEERED
ROOF TRUSS, FLOOR JOIST
AND FLOOR LVL BEAM DESIGN

(2) TYPICAL STRIP FOOTINGS (INTERIOR BEARING WALLS):
(SEE CROSS SECTION FOR FOOTING SIZES)

21-2 DOUBLE STUD PARTY WALL - FDTN - EXTERIOR JOG (WALL ASSEMBLY 16)
SCALE: 3/4" = 1'-0" PACKAGE: A1
MINIMUM REQUIREMENTS: FRR=1 HR STC=50

(16) BRICK VENEER CONSTRUCTION (TYPICAL):
O.B.C. 9.23.
-3-1/2" (90mm) FACE BRICK OR 4" (100mm) STONE @ 36'-1" (11m) MAX. HEIGHT
-MIN. 0.03" (0.76mm) THICK, 7/8" (22mm) WIDE CORROSION RESISTANT
STRAPS @ MAX. 15 3/4" (400mm) O.C. HORIZONTAL & 23 5/8" (600mm) O.C. VERTICAL SPACING
-PROVIDE WEEP HOLES @ 2'-7" (800mm)O.C. @ BTM. COURSE & OVER OPENINGS
-BASE FLASHING UP TO 5 7/8" (150mm) BEHIND WALL SHEATHING MEMBRANE (O.B.C. 9.20.13.6.(2))
-BRICK OR STONE SILLS UNDER OPENINGS, FLASHING UNDER
-1" (25mm) AIR SPACE
-WALL SHEATHING MEMBRANE AS PER O.B.C. 9.27.3.2.
-1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9.23.16
-2" X 6" (38mmX 140mm) WOOD STUDS @ 16" (400mm) O.C.
-MIN. R22 (RSI 3.87) INSULATION (ZONE 1. OBC SB-12 T.3.1.1.2.A.)
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD



(16) BRICK VENEER CONSTRUCTION (SPECIAL CONSTRUCTION):
O.B.C. 9.23. & SB-3 WALL = EW1a (STC = N/A, FIRE = 1HR)
-3-1/2" (90mm) FACE BRICK OR 4" (100mm) STONE @ 36'-1" (11m) MAX. HEIGHT
-MIN. 0.03" (0.76mm) THICK, 7/8" (22mm) WIDE CORROSION RESISTANT STRAPS @ MAX. 15 3/4" (400mm) O.C. HORIZONTAL & 23 5/8" (600mm) O.C. VERTICAL SPACING
-PROVIDE WEEP HOLES @ 2'-7" (800mm)O.C. @ BTM. COURSE & OVER OPENINGS
-BASE FLASHING UP TO 5 7/8" (150mm) BEHIND WALL SHEATHING MEMBRANE (O.B.C. 9.20.13.6.(2))
-BRICK OR STONE SILLS UNDER OPENINGS, FLASHING UNDER
-1" (25mm) AIR SPACE
-WALL SHEATHING MEMBRANE AS PER O.B.C. 9.27.3.2.
-1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9.23.16
-2" X 6" (38mmX 140mm) WOOD STUDS @ 16" (400mm) O.C.
-MIN. R22 (RSI 3.87) INSULATION (ZONE 1. O.B.C. 9.25.2) - INSULATION TO BE MINERAL FIBRE PROCESSED FROM ROCK OR SLAG WITH A MASS OF AT LEAST 4.8 kg / sq. m. TO COMPLETELY FILL THE WALL CAVITY
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3. & 9.25.4.
-5/8" (15.9mm) TYPE ' X ' GYPSUM BOARD

- BATT INSULATION
OR
-FIRE STOPPING REQUIRED WHEN GAP IS GREATER THAN 1" (25mm)

(21) PARTY WALL - WOOD STUD:
O.B.C. SB-3 WALL = W15c (STC = 61, FIRE = 1 HR)
-MIN. 1HR FIRE-RESISTANCE RATING CONTINUOUS FROM TOP OF FOOTINGS TO THE U/S OF ROOF DECK
-2 ROWS 2"X4"(38mmX 89mm) STUDS @ 16"(400mm) O.C. W/ SEPARATE 2" X 4" (38mmX 89mm) BOTTOM PLATE & SEPARATE DOUBLE 2" X 4" (38mmX 89mm) TOP PLATES
-SOUND ABSORPTIVE MATERIAL ON BOTH SIDES FILLING A MINIMUM OF 90% OF THE CAVITY.
-2 LAYERS OF GYSUM ON BOTH SIDES (as follows):
-1st LAYER - 5/8" (16mm) TYPE 'X' GYPSUM BOARD BOTH SIDES W/ JOINTS TAPED & FILLED.
-ACOUSTIC GREEN GLUE b/w GYPSUM 1st & 2nd LAYERS
-2nd LAYER - 1/2" (12mm) REGULAR GYSUM BOARD BOTH SIDES W/ JOINTS TAPED & FILLED
-ACOUSTICAL SEALANT AS PER O.B.C. SB-3 (NOTE (2) TO TABLE 1)

NOTE - SUPPORT FOR 2 FLOORS ABOVE- O.B.C. T.9.23.10.1. =
-FOR 2 FLOORS SUPPORTED ABOVE, 2" X 4" (38mmX 89mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.

-WALL STUDS TO BE STAGGERED WHENEVER POSSIBLE

ELECTRICAL OUTLET/ACOUSTICAL SEALANT:
SB-3 NOTE (2) TO TABLE 1
-ASSEMBLIES WITH SOUND TRANSMISSION CLASS OF 50 OR MORE REQUIRE ACOUSTICAL SELANT AROUND ELECTRICAL BOXES AN OTHER OPENINGS.
-ELECTRICAL BOXES TO NOT BE WITHIN SAME STUD CAVITY

21-3 DOUBLE STUD PARTY WALL - EXTERIOR JOG (WALL ASSEMBLY 16)
SCALE: 3/4" = 1'-0" PACKAGE: A1
MINIMUM REQUIREMENTS: FRR=1 HR STC=50

I, DECLARE THAT I HAVE REVIEWED AND TAKEN DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF **RN DESIGN LTD**.UNDER DIVISION C,PART-3 SUBSECTION-3.2.4 OF THE BUILDING CODE. I AM QUALIFIED AND THE FIRM IS REGISTERED IN THE APPROPRIATE CLASSES / CATEGORIES.

QUALIFIED DESIGNER BCIN:
FIRM BCIN:
DATE:

SIGNATURE:

client: Gold Park Homes
location: Brampton
project: Mclaughlin and Mayfield
marketing name:

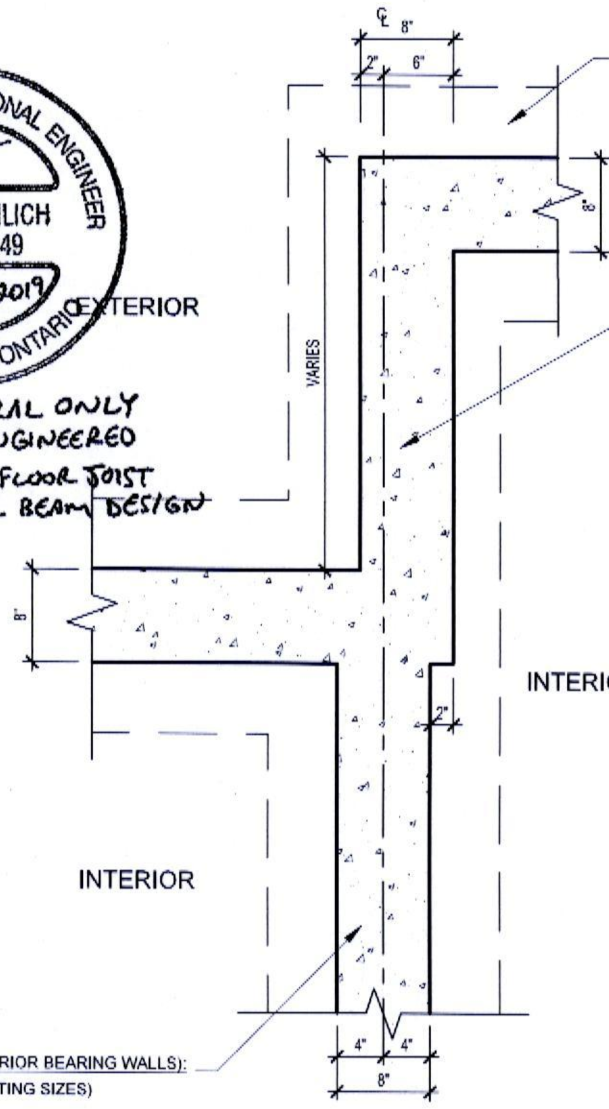
#	revisions	date	dwn	chk	#	revisions	date	dwn	chk
1	ISSUED FOR CLIENT REVIEW	29-Mar-2019	DJH	DJH					

RN design
Imagine • Inspire • Create

model: STD PARTYWALL DET
scale: 3/16" = 1'0"
project #: 13098
page: D2

LICENSED PROFESSIONAL ENGINEER
R. J. C. GOHLICH
100502549
Aug 29/2019
PROVINCE OF ONTARIO

FOR STRUCTURAL ONLY
EXCLUDING ENGINEERED
ROOF TRUSS, FLOOR JOIST
AND FLOOR LVL BEAM DESIGN



(1) TYPICAL STRIP FOOTINGS (EXRERIOR WALLS):
(SEE CROSS SECTION FOR FOOTING SIZES)

(14) FOUNDATION WALL (TYPICAL):

O.B.C. 9.15.4.2.
-FOR WALLS NOT EXCEEDING 8'-2" (2500mm) IN LATERALLY SUPPORTED HEIGHT.
-8" (200mm) SOLID 2200psi (15MPa) CONCRETE
-MAX. UNSUPPORTED HEIGHT OF 3'-11" (1200mm) & MAX. SUPPORTED HEIGHT OF 7'-0" (2150mm) MEASURED FROM GRADE TO FINISHED BASEMENT FLOOR.
-FOR WALLS NOT EXCEEDING 9'-0" (2750mm) IN LATERALLY SUPPORTED HEIGHT.
-10" (250mm) SOLID 2200psi (15MPa) CONCRETE
-MAX. UNSUPPORTED HEIGHT OF 4'-7" (1400mm) & MAX. SUPPORTED HEIGHT OF 8'-6" (2600mm) MEASURED FROM GRADE TO FINISHED BASEMENT FLOOR.
-LATERAL SUPPORT PROVIDED BY ANCHORED SILL PLATE TO JOISTS.
-FOR CONDITIONS EXCEEDING THESE MAXIMUMS AN ALTERNATIVE IN CONFORMANCE TO O.B.C.- T.9.15.4.2.A SHALL BE USED OR IT SHALL BE DESIGNED UNDER O.B.C.- PART 4
-WALL SHALL EXTEND A MIN. 5 7/8" (150mm) ABOVE GRADE
-INSULATE W/ R20 (RSI 3.52) CONTINUOUS INSULATION FROM UNDERSIDE OF SUBFLOOR TO NOT MORE THAN 8" (200mm) ABOVE FINISHED FLOOR OF BASEMENT (ZONE 1 OBC SB-12 T.3.1.1.2.A.)
- ALTERNATE INSULATION METHOD: 2" (51mm) R10 (RSI 1.76)RIGID INSULATION W/ 2"x4"(38mm X 89mm) WOOD STUD W/ R12 (RSI 2.11) BATT INSULATION
-BACK FILL W/ NON-FROST SUSCEPTIBLE SOIL

REDUCTION OF THICKNESS:

O.B.C. 9.15.4.7.
-WHERE THE TOP OF THE FOUNDATION WALL IS REDUCED IN THICKNESS TO ALLOW MASONRY FACING, THE MIN. REDUCED THICKNESS SHALL NOT BE LESS THAN 3-1/2" (90mm) THICK.
-TIE TO FACING MATERIAL WITH METAL TIES SPACED MAX. @ 7 7/8" (200mm) VERTICALLY O.C. & 2'-11" (900mm) HORIZONTALLY.
-FILL SPACE BETWEEN WALL AND FACING SOLID W/ MORTAR
-WHERE WALL IS REDUCED FOR JOISTS, THE REDUCED THICKNESS SHALL BE MAX. 13-3/4" (350mm) HIGH & MIN. 3-1/2" (90mm) THICK

DAMPPROOFING & WATERPROOFING:

-DAMPPROOF THE EXTERIOR FACE OF WALL BELOW GRADE AS PER O.B.C. 9.13.2.
-WHERE INSULATION EXTENDS TO MORE THAN 2'-11" (900mm) BELOW GRADE, A FDN. WALL DRAINAGE LAYER SHALL BE PROVIDED IN CONFORMANCE TO O.B.C. 9.14.2.1.(2) (3) (4)
-FINISHED BASEMENTS SHALL HAVE INTERIOR DAMPPROOFING EXTENDING FROM SLAB TO GRADE LEVEL & SHALL CONFORM TO O.B.C. 9.13.3.3.(3)
-WHERE HYDROSTATIC PRESSURE OCCURS, FDN. WALLS SHALL BE WATERPROOFED AS PER O.B.C. 9.13.3.
-WALLS THAT ARE WATERPROOFED DO NOT REQUIRE DAMPPROOFING.

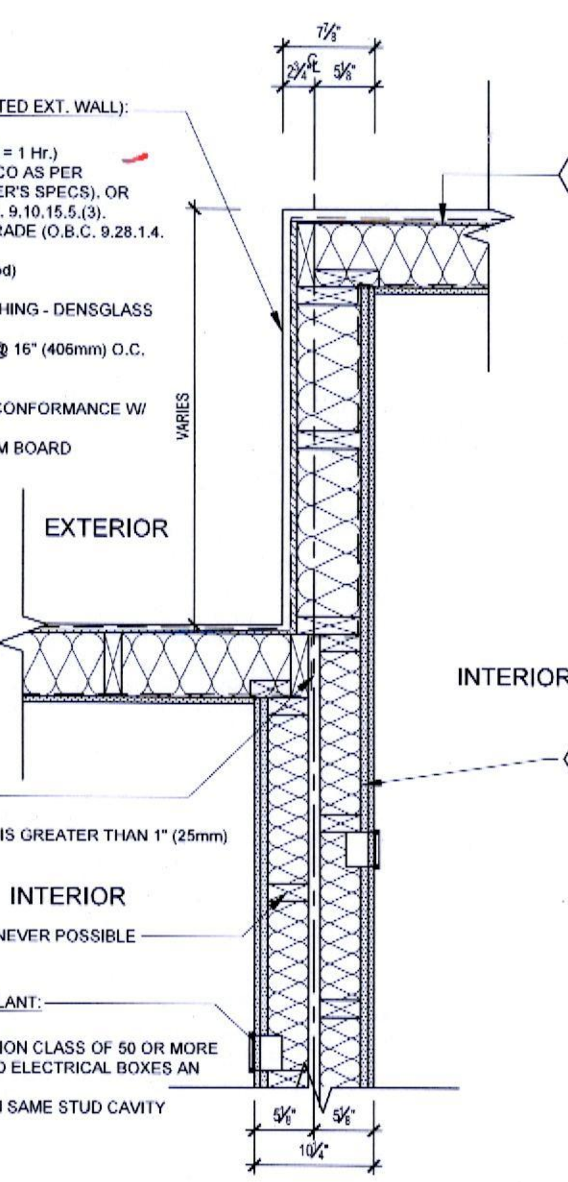
(2) TYPICAL STRIP FOOTINGS (INTERIOR BEARING WALLS):
(SEE CROSS SECTION FOR FOOTING SIZES)

21-2a DOUBLE STUD PARTY WALL - FDTN - EXTERIOR JOG (WALL ASSEMBLY 15)

SCALE: 3/4" = 1'-0" PACKAGE: A1
MINIMUM REQUIREMENTS: FRR=1 HR STC=50

(15) FRAME WALL CONSTRUCTION (FIRE RATED EXT. WALL):

O.B.C. 9.23. & 9.10.15.5. (2)
SB-3 WALL = W1a (STC = N/A, FIRE = 1 Hr.)
- NON-COMBUSTABLE SIDING OR STUCCO AS PER ELEVATIONS (REFER TO MANUFACTURER'S SPECS). OR
-VINYL SIDING IS PERMITTED PER O.B.C. 9.10.15.5.(3).
- MIN. 7 7/8" (200mm) FROM FINISHED GRADE (O.B.C. 9.28.1.4. & 9.27.)
-WALL SHEATHING MEMBRANE (if required) AS PER O.B.C. 9.27.3.2.
-5/8" (15.9mm) TYPE X EXTERIOR SHEATHING - DENSGLASS FIREGUARD OR EQUAL
-2" X 6" (38mm X 140mm) WOOD STUDS @ 16" (406mm) O.C.
-MIN. R22 (RSI 3.87) INSULATION
(ZONE 1, O.B.C. SB-12 T 3.1.1.2.A)
-CONTINUOUS AIR/VAPOR BARRIER IN CONFORMANCE W/ O.B.C. - 9.25.3. & 9.25.4.
-5/8" (15.9mm) TYPE X INTERIOR GYPSUM BOARD



(15) FRAME WALL CONSTRUCTION:

O.B.C. 9.23.
-SIDING OR STUCCO AS PER ELEVATIONS, MIN. 7 7/8" (200mm) FROM FINISHED GRADE (O.B.C. 9.28.1.4. & 9.27.)
-WALL SHEATHING MEMBRANE AS PER O.B.C. 9.27.3.2.
-1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9.23.16.
-2" X 6" (38mm X 140mm) WOOD STUDS @ 16" (400mm) O.C.
-MIN. R22 (RSI 3.87) INSULATION
(ZONE 1. OBC SB-12 T.3.1.1.2.A.)
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4..
-1/2" (12.7mm) GYPSUM BOARD

- BATT INSULATION
OR
-FIRE STOPPING REQUIRED WHEN GAP IS GREATER THAN 1" (25mm)

-WALL STUDS TO BE STAGGERED WHENEVER POSSIBLE

ELECTRICAL OUTLET/ACOUSTICAL SEALANT:

SB-3 NOTE (2) TO TABLE 1
-ASSEMBLIES WITH SOUND TRANSMISSION CLASS OF 50 OR MORE REQUIRE ACOUSTICAL SELANT AROUND ELECTRICAL BOXES AN OTHER OPENINGS.
-ELECTRICAL BOXES TO NOT BE WITHIN SAME STUD CAVITY

(21) PARTY WALL - WOOD STUD:

O.B.C. SB-3 WALL = W15c (STC = 61, FIRE = 1 HR)
-MIN. 1HR FIRE-RESISTANCE RATING CONTINUOUS FROM TOP OF FOOTINGS TO THE U/S OF ROOF DECK
-2 ROWS 2"X4"(38mmX 89mm) STUDS @ 16"(400mm) O.C. W/ SEPARATE 2" X 4" (38mmX 89mm) BOTTOM PLATE & SEPARATE DOUBLE 2" X 4" (38mmX 89mm) TOP PLATES
-SOUND ABSORPTIVE MATERIAL ON BOTH SIDES FILLING A MINIMUM OF 90% OF THE CAVITY.
-2 LAYERS OF GYSUM ON BOTH SIDES (as follows):
-1st LAYER - 5/8" (16mm) TYPE 'X' GYPSUM BOARD BOTH SIDES W/ JOINTS TAPED & FILLED.
-ACOUSTIC GREEN GLUE b/w GYPSUM 1st & 2nd LAYERS
-2nd LAYER - 1/2" (12mm) REGULAR GYSUM BOARD BOTH SIDES W/ JOINTS TAPED & FILLED
-ACOUSTICAL SEALANT AS PER O.B.C. SB-3 (NOTE (2) TO TABLE 1)

NOTE - SUPPORT FOR 2 FLOORS ABOVE- O.B.C. T.9.23.10.1. =
-FOR 2 FLOORS SUPPORTED ABOVE, 2" X 4" (38mmX 89mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.

21-3a DOUBLE STUD PARTY WALL - EXTERIOR JOG (WALL ASSEMBLY 15)

SCALE: 3/4" = 1'-0" PACKAGE: A1
MINIMUM REQUIREMENTS: FRR=1 HR STC=50

I, DECLARE THAT I HAVE REVIEWED AND TAKEN DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF **RN DESIGN LTD**,UNDER DIVISION C.PART-3 SUBSECTION-3.2.4 OF THE BUILDING CODE. I AM QUALIFIED AND THE FIRM IS REGISTERED IN THE APPROPRIATE CLASSES / CATEGORIES.

QUALIFIED DESIGNER BCIN:
FIRM BCIN:
DATE:

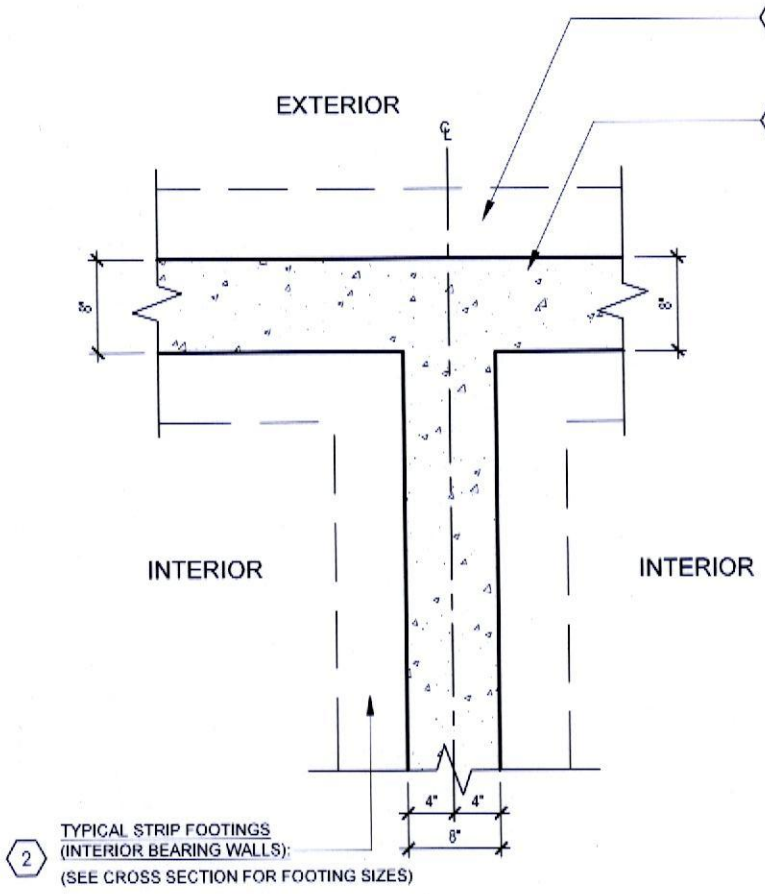
SIGNATURE:

client: Gold Park Homes
location: Brampton
project: Mclaughlin and Mayfield
marketing name:

#	revisions	date	dwn	chk	#	revisions	date	dwn	chk
1	ISSUED FOR CLIENT REVIEW	29-Mar-2019	DJH	DJH					

RN design
Imagine • Inspire • Create

model: STD PARTYWALL DET
scale: 3/16" = 1'0"
project #: 13098
page: D3



2 TYPICAL STRIP FOOTINGS (INTERIOR BEARING WALLS):
(SEE CROSS SECTION FOR FOOTING SIZES)

1 TYPICAL STRIP FOOTINGS (EXRERIOR WALLS):
(SEE CROSS SECTION FOR FOOTING SIZES)

14 FOUNDATION WALL (TYPICAL):

O.B.C. 9.15.4.2.
-FOR WALLS NOT EXCEEDING 8'-2" (2500mm) IN LATERALLY SUPPORTED HEIGHT.
-8" (200mm) SOLID 2200psi (15MPa) CONCRETE
-MAX. UNSUPPORTED HEIGHT OF 3'-11" (1200mm) & MAX. SUPPORTED HEIGHT OF 7'-0" (2150mm) MEASURED FROM GRADE TO FINISHED BASEMENT FLOOR.
-FOR WALLS NOT EXCEEDING 9'-0" (2750mm) IN LATERALLY SUPPORTED HEIGHT.
-10" (250mm) SOLID 2200psi (15MPa) CONCRETE
-MAX. UNSUPPORTED HEIGHT OF 4'-7" (1400mm) & MAX. SUPPORTED HEIGHT OF 8'-6" (2600mm) MEASURED FROM GRADE TO FINISHED BASEMENT FLOOR.
-LATERAL SUPPORT PROVIDED BY ANCHORED SILL PLATE TO JOISTS.
-FOR CONDITIONS EXCEEDING THESE MAXIMUMS AN ALTERNATIVE IN CONFORMANCE TO O.B.C.- T.9.15.4.2.A SHALL BE USED OR IT SHALL BE DESIGNED UNDER O.B.C.- PART 4
-WALL SHALL EXTEND A MIN. 5 7/8" (150mm) ABOVE GRADE
-INSULATE W/ R20 (RSI 3.52) CONTINUOUS INSULATION FROM UNDERSIDE OF SUBFLOOR TO NOT MORE THAN 8" (200mm) ABOVE FINISHED FLOOR OF BASEMENT (ZONE 1 OBC SB-12 T.3.1.1.2.A.)
- ALTERNATE INSULATION METHOD: 2" (51mm) R10 (RSI 1.76)RIGID INSULATION W/ 2"x4"(38mm X 89mm) WOOD STUD W/ R12 (RSI 2.11) BATT INSULATION
-BACK FILL W/ NON-FROST SUSCEPTIBLE SOIL

REDUCTION OF THICKNESS:

O.B.C. 9.15.4.7.
-WHERE THE TOP OF THE FOUNDATION WALL IS REDUCED IN THICKNESS TO ALLOW MASONRY FACING, THE MIN. REDUCED THICKNESS SHALL NOT BE LESS THAN 3-1/2" (90mm) THICK.
-TIE TO FACING MATERIAL WITH METAL TIES SPACED MAX. @ 7 7/8" (200mm) VERTICALLY O.C. & 2'-11" (900mm) HORIZONTALLY.
-FILL SPACE BETWEEN WALL AND FACING SOLID W/ MORTAR
-WHERE WALL IS REDUCED FOR JOISTS, THE REDUCED THICKNESS SHALL BE MAX. 13-3/4" (350mm) HIGH & MIN. 3-1/2" (90mm) THICK

DAMPPROOFING & WATERPROOFING:

-DAMPPROOF THE EXTERIOR FACE OF WALL BELOW GRADE AS PER O.B.C. 9.13.2.
-WHERE INSULATION EXTENDS TO MORE THAN 2'-11" (900mm) BELOW GRADE, A FDN. WALL DRAINAGE LAYER SHALL BE PROVIDED IN CONFORMANCE TO O.B.C. 9.14.2.1.(2) (3) (4)
-FINISHED BASEMENTS SHALL HAVE INTERIOR DAMPPROOFING EXTENDING FROM SLAB TO GRADE LEVEL & SHALL CONFORM TO O.B.C. 9.13.3.3.(3)
-WHERE HYDROSTATIC PRESSURE OCCURS, FDN. WALLS SHALL BE WATERPROOFED AS PER O.B.C. 9.13.3,
-WALLS THAT ARE WATERPROOFED DO NOT REQUIRE DAMPPROOFING.

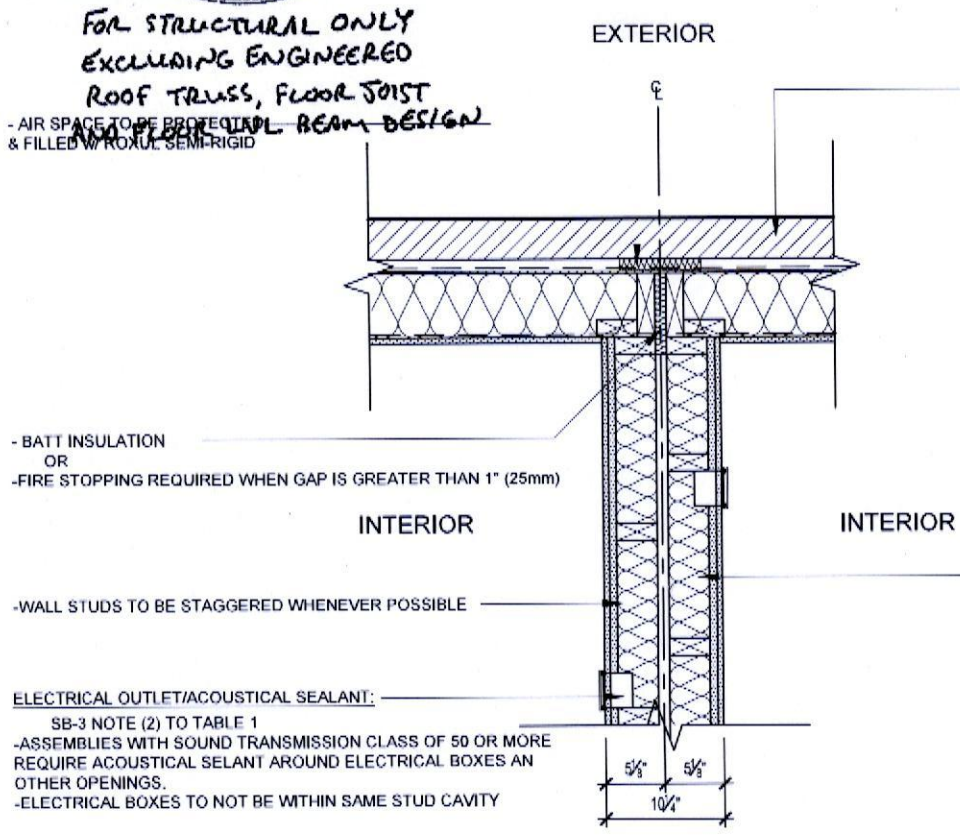
21-4

DOUBLE STUD PARTY WALL - EXTERIOR FLUSH (WALL ASSEMBLY 16)

SCALE: 3/4" = 1'-0" PACKAGE: A1
MINIMUM REQUIREMENTS: FRR=1 HR STC=50

LICENSED PROFESSIONAL ENGINEER
R. J. C. GOHLICH
100502549
Aug 29/2019
PROVINCE OF ONTARIO

FOR STRUCTURAL ONLY
EXCLUDING ENGINEERED
ROOF TRUSS, FLOOR JOIST
AND FLOOR LVL BEAM DESIGN



16 BRICK VENEER CONSTRUCTION (TYPICAL):

O.B.C. 9.23.
-3-1/2" (90mm) FACE BRICK OR 4" (100mm) STONE @ 36'-1" (11m) MAX. HEIGHT
-MIN. 0.03" (0.76mm) THICK, 7/8" (22mm) WIDE CORROSION RESISTANT STRAPS @ MAX. 15 3/4" (400mm) O.C. HORIZONTAL & 23 5/8" (600mm) O.C. VERTICAL SPACING
-PROVIDE WEEP HOLES @ 2'-7" (800mm)O.C. @ BTM. COURSE & OVER OPENINGS
-BASE FLASHING UP TO 5 7/8" (150mm) BEHIND WALL SHEATHING MEMBRANE (O.B.C. 9.20.13.6.(2))
-BRICK OR STONE SILLS UNDER OPENINGS, FLASHING UNDER
-1" (25mm) AIR SPACE
-WALL SHEATHING MEMBRANE AS PER O.B.C. 9.27.3.2.
-1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9.23.16
-2" X 6" (38mmX 140mm) WOOD STUDS @ 16" (400mm) O.C.
-MIN. R22 (RSI 3.87) INSULATION (ZONE 1, OBC SB-12 T.3.1.1.2.A.)
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD

21 PARTY WALL - WOOD STUD (TYPICAL):

O.B.C. SB-3 WALL = W15C (STC = 61, FIRE = 1 HR)
-MIN. 1HR FIRE-RESISTANCE RATING CONTINUOUS FROM TOP OF FOOTINGS TO THE U/S OF ROOF DECK
-2 ROWS 2"X4"(38mmX 89mm) STUDS @ 16"(400mm) O.C. W/ SEPARATE 2" X 4" (38mmX 89mm) BOTTOM PLATE & SEPARATE DOUBLE 2" X 4" (38mmX 89mm) TOP PLATES
-SOUND ABSORPTIVE MATERIAL ON BOTH SIDES FILLING A MINIMUM OF 90% OF THE CAVITY.
-2 LAYERS OF GYSUM ON BOTH SIDES (as follows):
-1st LAYER - 5/8" (16mm) TYPE 'X' GYPSUM BOARD BOTH SIDES W/ JOINTS TAPED & FILLED.
-ACOUSTIC GREEN GLUE b/w GYPSUM 1st & 2nd LAYERS
-2nd LAYER - 1/2" (12mm) REGULAR GYSUM BOARD BOTH SIDES W/ JOINTS TAPED & FILLED
-ACOUSTICAL SEALANT AS PER O.B.C. SB-3 (NOTE (2) TO TABLE 1)

NOTE - SUPPORT FOR 2 FLOORS ABOVE - O.B.C. T.9.23.10.1. =
-FOR 2 FLOORS SUPPORTED ABOVE, 2" X 4" (38mmX 89mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.

21-5

DOUBLE STUD PARTY WALL - EXTERIOR FLUSH (WALL ASSEMBLY 16)

SCALE: 3/4" = 1'-0" PACKAGE: A1
MINIMUM REQUIREMENTS: FRR=1 HR STC=50

File:C:_RN Standards\Temp\Acrobat_7788\13098 Std Partywall Section Plotted: Jun 28, 2019 By JorgeM

I, DECLARE THAT I HAVE REVIEWED AND TAKEN DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF **RN DESIGN LTD.**,UNDER DIVISION C,PART-3 SUBSECTION-3.2.4 OF THE BUILDING CODE. I AM QUALIFIED AND THE FIRM IS REGISTERED IN THE APPROPRIATE CLASSES / CATEGORIES.

QUALIFIED DESIGNER BCIN:
FIRM BCIN:
DATE:

SIGNATURE:

client: Gold Park Homes
location: Brampton
project: Mclaughlin and Mayfield
marketing name:

#	revisions	date	dwn	chk
1	ISSUED FOR CLIENT REVIEW	27-Mar-2019	DJH	DJH

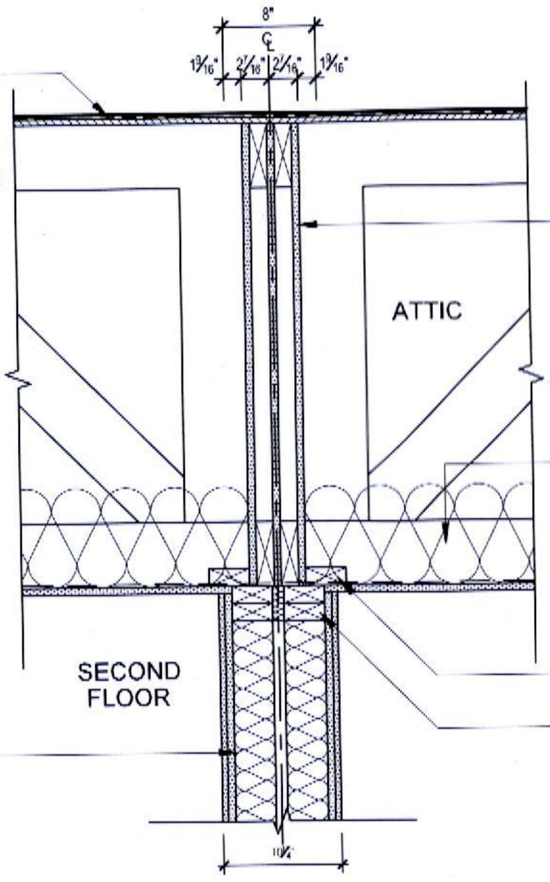
RN design
Imagine • Inspire • Create

model: STD PARTYWALL DET
scale: 3/16" = 1'0"
project #: 13098

page: D4

31 TYPICAL ROOF:

O.B.C. 9.26.
-NO. 210 (30. 5KG/m2) ASPHALT SHINGLES
-FOR ROOFS BETWEEN 4:12 & 8:12 PITCH PROVIDE EAVES PROTECTION TO EXTEND UP THE ROOF SLOPE MIN. 2'-11" (900mm) FROM EDGE TO A LINE NOT LESS THAN 12" (300mm) PAST THE INSIDE FACE OF EXTERIOR WALL.
-EAVES PROTECTION LAID BENEATH STARTER STRIP.
-EAVE PROTECTION NOT REQUIRED OVER UNHEATED SPACES.
-STARTER STRIP AS PER O.B.C. 9.26.7.2.
-STARTER STRIP NOT REQUIRED AS PER O.B.C. 9.26.7.2.(3)
-3/8" (10mm) PLYWOOD SHEATHING OR OSB (0-2 GRADE) WITH "H" CLIPS
-APPROVED WOOD TRUSSES @ 24" (600mm) O.C. (REFER TO MANUFACTURER'S LAYOUT)
-TRUSS BRACING AS PER TRUSS MANUFACTURER
-EAVESTROUGH ON PREFINISHED FASCIA AND VENTED SOFFIT (VINYL OR ALUMINUM)
-ATTIC VENTILATION 1:300 OF INSULATED CEILING AREA WITH, 50% AT SOFFIT.



ATTIC PARTY WALL:
-MIN. 1 HR FIRE RESISTANCE RATING REQUIRED
-STRUCTURAL GABLE END TRUSSES BOTH SIDES TO BEAR ON EXTERIOR WALLS ONLY
-5/8" (15.9mm) TYPE 'X' GYPSUM BOARD BOTH SIDES TAPED & FILLED
-5/8" (15.9mm) TYPE 'X' GYPSUM BETWEEN TRUSSES ATTACHED TO ONE TRUSS

32 CEILING (TYPICAL):
-R60 (RSI 10.56) INSULATION
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
-5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. T.9.29.5.3.)

CONT. 2" x 4" (38mm X 89mm) NAILER EACH SIDE OF ROOF TRUSSES

DOUBLE 2" x 4" (38mm X 89mm) TOP PLATES WHERE SPACE BETWEEN PLATES IS GREATER THAN 1" (25mm) SPACE SHALL BE TIGHTLY FILLED W/ MINERAL WOOL OR OTHER FLEXIBLE & NON COMBUSTIBLE MATERIAL

21 PARTY WALL - WOOD STUD (TYPICAL):

21-9 DOUBLE STUD PARTY WALL - DOUBLE GABLE END TRUSS ATTIC - TRUSSES PERPENDICULAR

SCALE: 3/4" = 1'-0" PACKAGE: A1
MINIMUM REQUIREMENTS: FRR=1 HR STC=50

or

LICENSED PROFESSIONAL ENGINEER
R. J. C. GOHLICH
100502549
Aug 29/2019
PROVINCE OF ONTARIO

FOR STRUCTURAL ONLY EXCLUDING ENGINEERED ROOF TRUSS, FLOOR JOIST AND FLOOR LVL BEAM DESIGN

31 TYPICAL ROOF:

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-NO. 210 (30. 5KG/m2) ASPHALT SHINGLES
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-EAVE PROTECTION NOT REQUIRED OVER UNHEATED SPACES.
-STARTER STRIP AS PER O.B.C. 9.26.7.2.
-STARTER STRIP NOT REQUIRED AS PER O.B.C. 9.26.7.2.(3)
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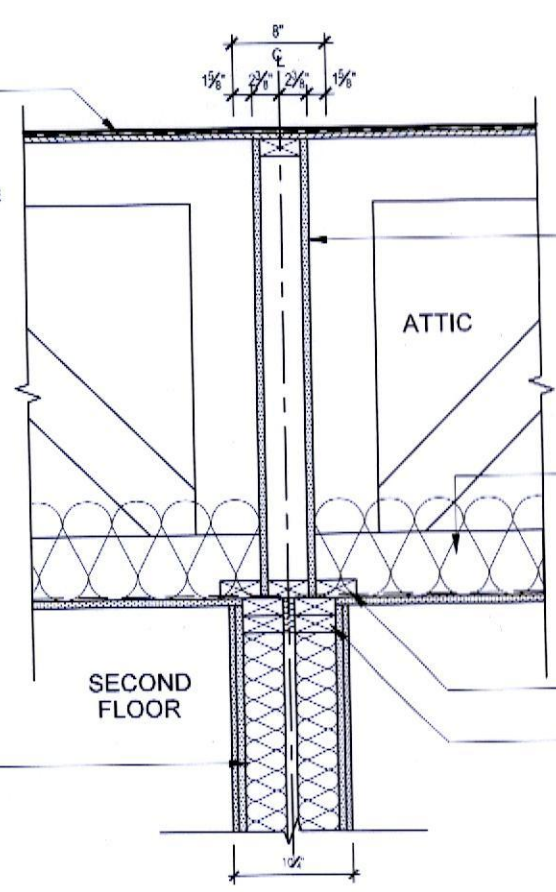
-TRUSS BRACING AS PER TRUSS MANUFACTURER
-EAVESTROUGH ON PREFINISHED FASCIA AND VENTED SOFFIT (VINYL OR ALUMINUM)
-ATTIC VENTILATION 1:300 OF INSULATED CEILING AREA WITH, 50% AT SOFFIT.



ATTIC PARTY WALL:
O.B.C. SB-3 WALL = W1d (FIRE = 1 HR)
-2"x4" (38mmX89mm) @ 24" (600) O.C. MAX STUD WALL
-5/8" (15.9mm) TYPE 'X' GYPSUM BOARD BOTH SIDES TAPED & FILLED

32 CEILING (TYPICAL):
-R60 (RSI 10.56) INSULATION
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
-5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. T.9.29.5.3.)

CONT. 2" x 4" (38mm X 89mm) NAILER EACH SIDE OF ROOF TRUSSES

DOUBLE 2" x 4" (38mm X 89mm) TOP PLATES WHERE SPACE BETWEEN PLATES IS GREATER THAN 1" (25mm) SPACE SHALL BE TIGHTLY FILLED W/ MINERAL WOOL OR OTHER FLEXIBLE & NON COMBUSTIBLE MATERIAL

21 PARTY WALL - WOOD STUD (TYPICAL):

21-13 DOUBLE STUD PARTY WALL - STUD WALL ATTIC - TRUSSES PERPENDICULAR

SCALE: 3/4" = 1'-0" PACKAGE: A1
MINIMUM REQUIREMENTS: FRR=1 HR STC=50

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QUALIFIED DESIGNER BCIN:
FIRM BCIN:
DATE:

SIGNATURE:

client
Gold Park Homes

location
Brampton

project
Mclaughlin and Mayfield

marketing name

#	revisions	date	dwn	chk	#	revisions	date	dwn	chk
1	ISSUED FOR CLIENT REVIEW	29-Mar-2019	DJH	DJH					

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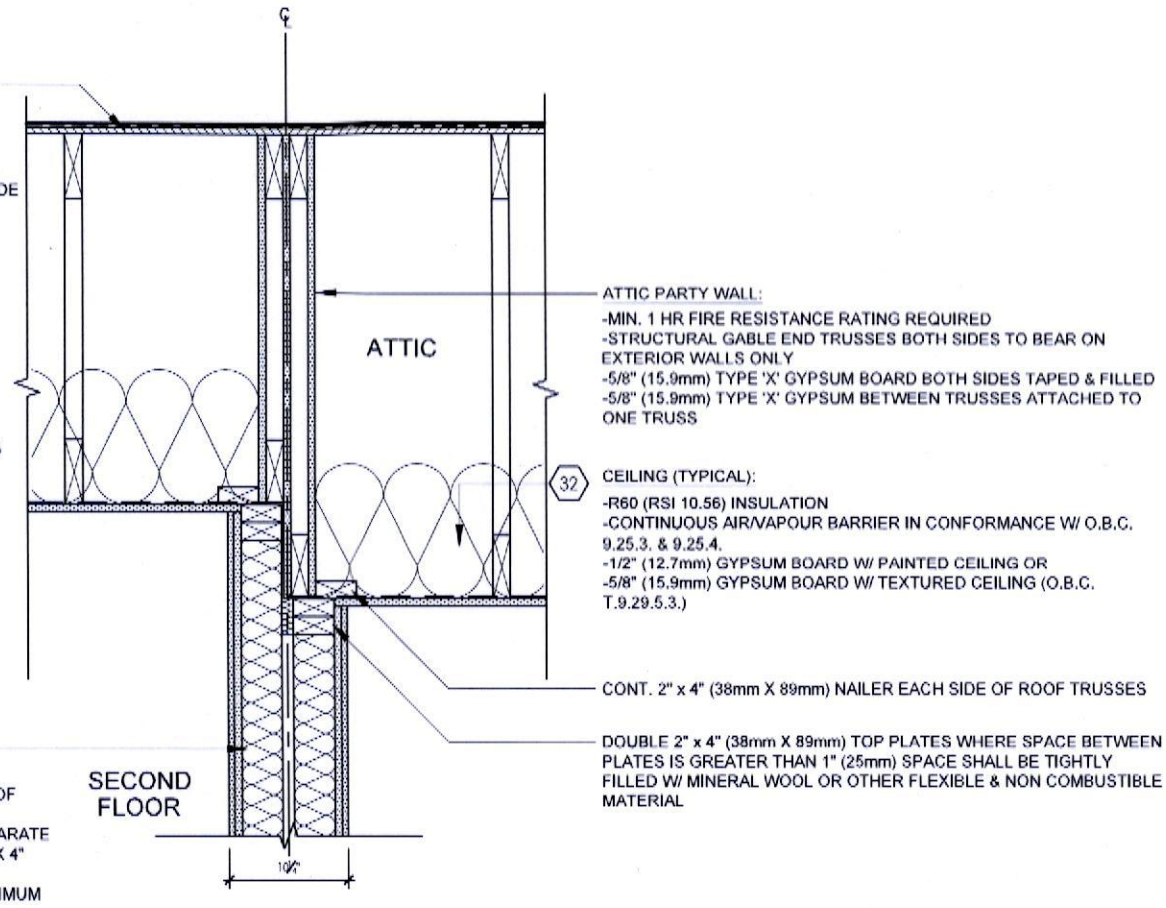
model
STD PARTYWALL DET

scale
3/16" = 1'0"

project #
13098

page
D5



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-EAVESTROUGH ON PREFINISHED FASCIA AND VENTED SOFFIT (VINYL OR ALUMINUM)
-ATTIC VENTILATION 1:300 OF INSULATED CEILING AREA WITH, 50% AT SOFFIT.

ATTIC PARTY WALL:
-MIN. 1 HR FIRE RESISTANCE RATING REQUIRED
-STRUCTURAL GABLE END TRUSSES BOTH SIDES TO BEAR ON EXTERIOR WALLS ONLY
-5/8" (15.9mm) TYPE 'X' GYPSUM BOARD BOTH SIDES TAPED & FILLED
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(21) PARTY WALL - WOOD STUD (TYPICAL):
O.B.C. SB-3 WALL = W15c (STC = 61, FIRE = 1 HR)
-MIN. 1HR FIRE-RESISTANCE RATING CONTINUOUS FROM TOP OF FOOTINGS TO THE U/S OF ROOF DECK
-2 ROWS 2"X4"(38mmX 89mm) STUDS @ 16"(400mm) O.C. W/ SEPARATE 2" X 4" (38mmX 89mm) BOTTOM PLATE & SEPARATE DOUBLE 2" X 4" (38mmX 89mm) TOP PLATES
-SOUND ABSORPTIVE MATERIAL ON BOTH SIDES FILLING A MINIMUM OF 90% OF THE CAVITY.
-2 LAYERS OF GYSUM ON BOTH SIDES (as follows):
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-ACOUSTIC GREEN GLUE b/w GYPSUM 1st & 2nd LAYERS
-2nd LAYER - 1/2" (12mm) REGULAR GYSUM BOARD BOTH SIDES W/ JOINTS TAPED & FILLED
-ACOUSTICAL SEALANT AS PER O.B.C. SB-3 (NOTE (2) TO TABLE 1)

21-15 DOUBLE STUD PARTY WALL - DOUBLE GABLE END TRUSS ATTIC (STEPPED)

SCALE: 3/4" = 1'-0" PACKAGE: A1
MINIMUM REQUIREMENTS: FRR=1 HR STC=50

LICENSED PROFESSIONAL ENGINEER
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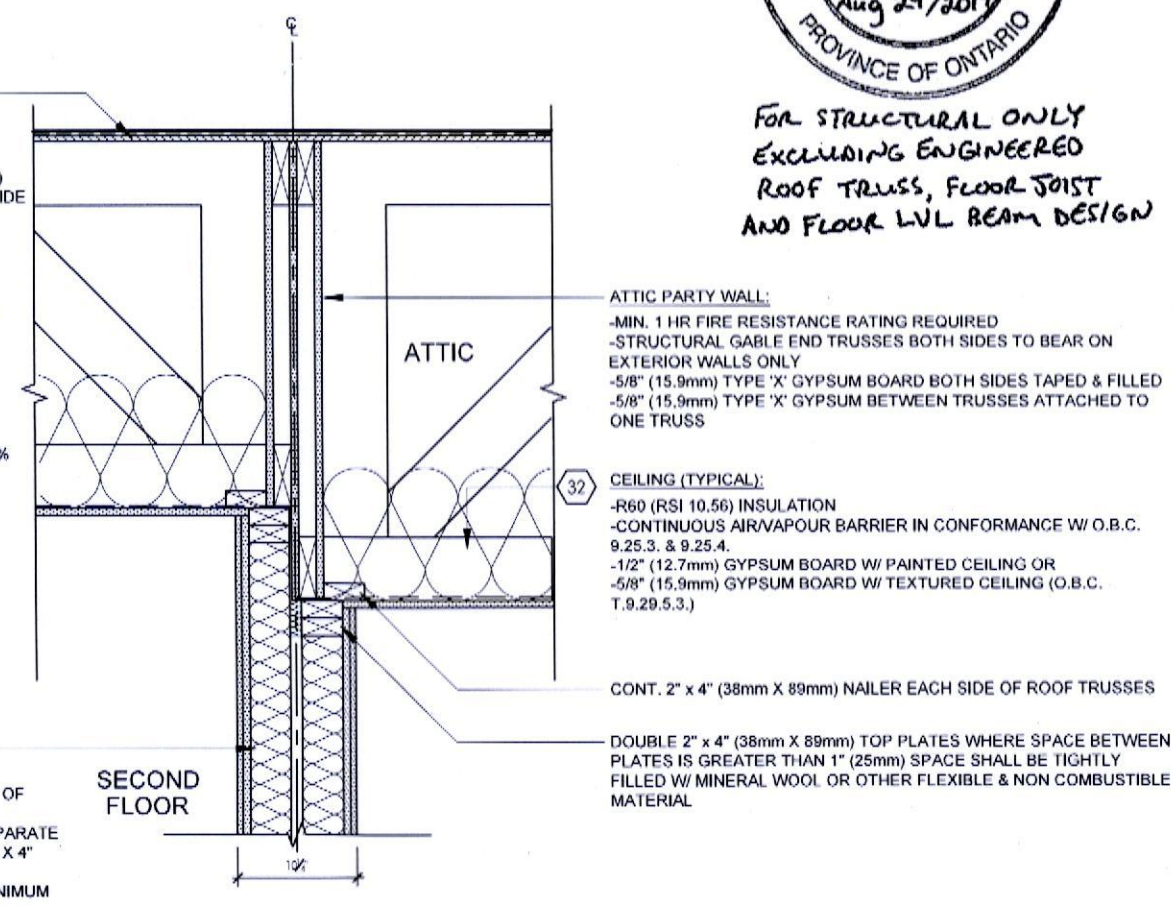

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-EAVE PROTECTION NOT REQUIRED OVER UNHEATED SPACES.
-STARTER STRIP AS PER O.B.C. 9.26.7.2.
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-APPROVED WOOD TRUSSES @ 24" (600mm) O.C. (REFER TO MANUFACTURER'S LAYOUT)
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ATTIC PARTY WALL:
-MIN. 1 HR FIRE RESISTANCE RATING REQUIRED
-STRUCTURAL GABLE END TRUSSES BOTH SIDES TO BEAR ON EXTERIOR WALLS ONLY
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CONT. 2" x 4" (38mm X 89mm) NAILER EACH SIDE OF ROOF TRUSSES

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(21) PARTY WALL - WOOD STUD (TYPICAL):
O.B.C. SB-3 WALL = W15c (STC = 61, FIRE = 1 HR)
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-2nd LAYER - 1/2" (12mm) REGULAR GYSUM BOARD BOTH SIDES W/ JOINTS TAPED & FILLED
-ACOUSTICAL SEALANT AS PER O.B.C. SB-3 (NOTE (2) TO TABLE 1)

21-16 DOUBLE STUD PARTY WALL - DOUBLE GABLE END TRUSS ATTIC - TRUSSES PERPENDICULAR (STEPPED)

SCALE: 3/4" = 1'-0" PACKAGE: A1
MINIMUM REQUIREMENTS: FRR=1 HR STC=50

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QUALIFIED DESIGNER BCIN:
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DATE:

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project: Mclaughlin and Mayfield
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#	revisions	date	dwn	chk
1	ISSUED FOR CLIENT REVIEW	29-Mar-2019	DJH	DJH

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model: STD PARTYWALL DET
scale: 3/16" = 1'0"
project #: 13098

page: D6

31 TYPICAL ROOF:

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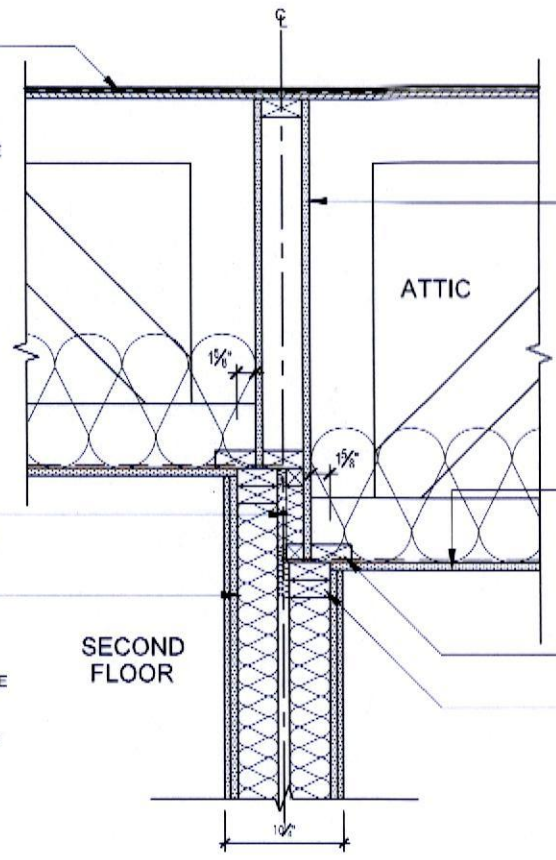

ATTIC PARTY WALL:

O.B.C. SB-3 WALL = W1d (FIRE = 1 HR)
-2"x4" (38mmX89mm) @ 24" (600) O.C. MAX STUD WALL
-5/8" (15.9mm) TYPE 'X' GYPSUM BOARD BOTH SIDES TAPED & FILLED

32 CEILING (TYPICAL):

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-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
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CONT. 2" x 4" (38mm X 89mm) NAILER EACH SIDE OF ROOF TRUSSES

DOUBLE 2" x 4" (38mm X 89mm) TOP PLATES WHERE SPACE BETWEEN PLATES IS GREATER THAN 1" (25mm) SPACE SHALL BE TIGHTLY FILLED W/ MINERAL WOOL OR OTHER FLEXIBLE & NON COMBUSTIBLE MATERIAL

- 2" x 2" (38mm X 38mm) IN-FILL FRAMING
-SOUND ABSORPTIVE MATERIAL FILLING A MINIMUM OF 90% OF THE CAVITY.

21 PARTY WALL - WOOD STUD (TYPICAL):

O.B.C. SB-3 WALL = W15c (STC = 61, FIRE = 1 HR)
-MIN. 1HR FIRE-RESISTANCE RATING CONTINUOUS FROM TOP OF FOOTINGS TO THE U/S OF ROOF DECK
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-ACOUSTICAL SEALANT AS PER O.B.C. SB-3 (NOTE (2) TO TABLE 1)

21-17 DOUBLE STUD PARTY WALL - STUD WALL ATTIC - TRUSSES PERPENDICULAR (STEPPED)

SCALE: 3/4" = 1'-0" PACKAGE: A1
MINIMUM REQUIREMENTS: FRR=1 HR STC=50

LICENSED PROFESSIONAL ENGINEER
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100502549
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QUALIFIED DESIGNER BCIN:
FIRM BCIN:
DATE:

SIGNATURE:

file:C:_RN_Standard\Temp\AcPublish_7788\13098 Std Partywall Det.dwg Plotted: Jun 28, 2019 By JorgeM

client: Gold Park Homes
location: Brampton
project: Mclaughlin and Mayfield
marketing name

#	revisions	date	dwn	chk	#	revisions	date	dwn	chk
1	ISSUED FOR CLIENT REVIEW	29-May-2019	DJH	DJH					

RN design
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model: STD PARTYWALL DET
scale: 3/16" = 1'0"
project #: 13098

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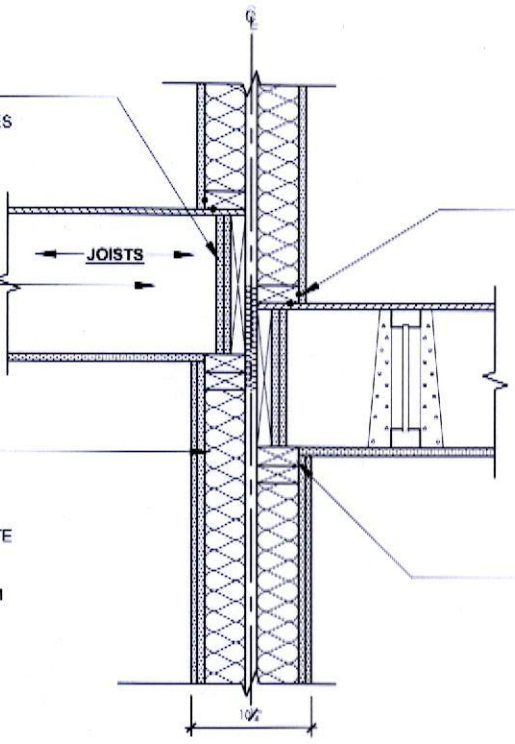

FLOOR HEADER ASSEMBLY (TYPICAL):
-2-5/8" (15.9mm) TYPE 'X' GYPSUM WALLBOARD EACH SIDE ALL EDGES TAPED & FILLED
-1 1/2" (38mm) HEADER JOIST EACH SIDE
-WHERE SPACE BETWEEN HEADERS IS GREATER THAN 1" (25mm) SPACE SHALL BE TIGHTLY FILLED W/ MINERAL WOOL OR OTHER FLEXIBLE FIRE STOPPING MATERIAL

28 FLOOR ASSEMBLY:
O.B.C. 9.23.14.3, 9.23.14.4
-5/8" (15.9mm) WAFERBOARD (R-1 GRADE) OR EQUIVALENT
-FLOOR JOISTS AS PER FLOOR PLANS

REFER TO FLOOR PLANS FOR JOIST SIZE, SPACING & BRIDGING

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-ACOUSTIC GREEN GLUE b/w GYPSUM 1st & 2nd LAYERS
-2nd LAYER - 1/2" (12mm) REGULAR GYSUM BOARD BOTH SIDES W/ JOINTS TAPED & FILLED
-ACOUSTICAL SEALANT AS PER O.B.C. SB-3 (NOTE (2) TO TABLE 1)

ACOUSTICAL SEALANT:
SB-3 NOTE (2) TO TABLE 1

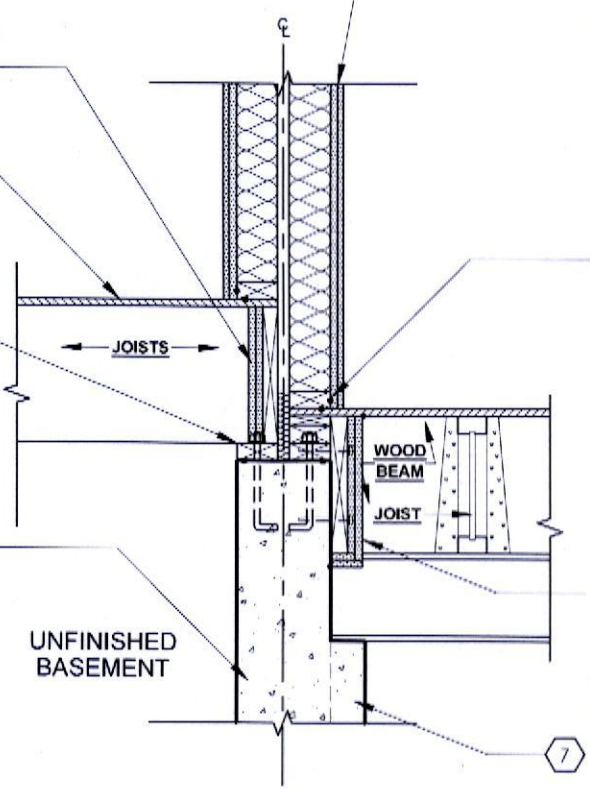
-ASSEMBLIES WITH SOUND TRANSMISSION CLASS OF 50 OR MORE REQUIRE ACOUSTICAL SELANT AT THE JUNCTION OF INTERSECTING WALLS AND FLOORS

DOUBLE 2" x 4" (38mm X 89mm) TOP PLATES WHERE SPACE BETWEEN PLATES IS GREATER THAN 1" (25mm) SPACE SHALL BE TIGHTLY FILLED W/ MINERAL WOOL OR OTHER FLEXIBLE & NON COMBUSTIBLE MATERIAL

21-19 DOUBLE STUD PARTY WALL - FLOOR JOIST (STEPPED)
SCALE: 3/4" = 1'-0" PACKAGE: A1
MINIMUM REQUIREMENTS: FRR=1 HR STC=50

LICENSED PROFESSIONAL ENGINEER
R. J. C. GOHLICH
100502549
Aug 29/2019
PROVINCE OF ONTARIO

FOR STRUCTURAL ONLY EXCLUDING ENGINEERED ROOF TRUSS, FLOOR JOIST AND FLOOR LVL BEAM DESIGN



21 PARTY WALL - WOOD STUD (TYPICAL):
O.B.C. SB-3 WALL = W15c (STC = 61, FIRE = 1 HR)
-MIN. 1HR FIRE-RESISTANCE RATING CONTINUOUS FROM TOP OF FOOTINGS TO THE U/S OF ROOF DECK
-2 ROWS 2"X4"(38mmX 89mm) STUDS @ 16"(400mm) O.C. W/ SEPARATE 2" X 4" (38mmX 89mm) BOTTOM PLATE & SEPARATE DOUBLE 2" X 4" (38mmX 89mm) TOP PLATES
-SOUND ABSORPTIVE MATERIAL ON BOTH SIDES FILLING A MINIMUM OF 90% OF THE CAVITY.
-2 LAYERS OF GYSUM ON BOTH SIDES (as follows):
-1st LAYER - 5/8" (16mm) TYPE 'X' GYPSUM BOARD BOTH SIDES W/ JOINTS TAPED & FILLED.
-ACOUSTIC GREEN GLUE b/w GYPSUM 1st & 2nd LAYERS
-2nd LAYER - 1/2" (12mm) REGULAR GYSUM BOARD BOTH SIDES W/ JOINTS TAPED & FILLED
-ACOUSTICAL SEALANT AS PER O.B.C. SB-3 (NOTE (2) TO TABLE 1)

FLOOR HEADER ASSEMBLY (TYPICAL):
-2-5/8" (15.9mm) TYPE 'X' GYPSUM WALLBOARD EACH SIDE ALL EDGES TAPED & FILLED
-1 1/2" (38mm) HEADER JOIST EACH SIDE
-WHERE SPACE BETWEEN HEADERS IS GREATER THAN 1" (25mm) SPACE SHALL BE TIGHTLY FILLED W/ MINERAL WOOL OR OTHER FLEXIBLE FIRE STOPPING MATERIAL

28 FLOOR ASSEMBLY:
O.B.C. 9.23.14.3, 9.23.14.4
-5/8" (15.9mm) WAFERBOARD (R-1 GRADE) OR EQUIVALENT
-FLOOR JOISTS AS PER FLOOR PLANS

REFER TO FLOOR PLANS FOR JOIST SIZE, SPACING & BRIDGING

26 SILL PLATE:
O.B.C. 9.23.7.
-2" X 4" (38mm X 89mm) PLATE
-1/2" (12.7mm) DIA. ANCHOR BOLTS @ 7'-10" (2400mm) O.C. FASTENED TO PLATE W/ NUTS AND WASHERS & SHALL BE EMBEDDED NOT LESS THAN 4" (100mm) INTO FOUNDATION WALL.
-SILL PLATE TO BE CAULKED, OR PLACED ON A LAYER NOT LESS THAN 1" (25mm) THICK BEFORE COMPRESSING, OR FOAM GASKET, OR PLACED ON FULL BED OF MORTAR.

20 PARTY WALL (FOUNDATION):
O.B.C. 9.15.4.2.
-7 7/8" (200mm) SOLID CONC. FOUNDATION WALL @ 2200psi (15MPa) COMPRESSIVE STRENGTH AFTER 28 DAYS
-FOUNDATION WALL TO REST ON FOOTING PER GENERAL NOTE #2

ACOUSTICAL SEALANT:
SB-3 NOTE (2) TO TABLE 1

-ASSEMBLIES WITH SOUND TRANSMISSION CLASS OF 50 OR MORE REQUIRE ACOUSTICAL SELANT AT THE JUNCTION OF INTERSECTING WALLS AND FLOORS

FLOOR HEADER ASSEMBLY (TYPICAL):
-2-5/8" (15.9mm) TYPE 'X' GYPSUM WALLBOARD EACH SIDE ALL EDGES TAPED & FILLED
-1 1/2" (38mm) HEADER JOIST EACH SIDE
-WHERE SPACE BETWEEN HEADERS IS GREATER THAN 1" (25mm) SPACE SHALL BE TIGHTLY FILLED W/ MINERAL WOOL OR OTHER FLEXIBLE FIRE STOPPING MATERIAL

7 PILASTERS:
O.B.C. 9.15.5.3.
-CONCRETE NIB - 4" X 12" (100mm X 300mm)
-BLOCK NIB - 4" X 12" (100mm X 300mm) BONDED & TIED TO WALL AS PER O.B.C. 9.20.11.2. TOP 7 7/8" (200mm) SOLID.

21-20 DOUBLE STUD PARTY WALL - FLOOR JOIST AT FOUNDATION (STEPPED)
SCALE: 3/4" = 1'-0" PACKAGE: A1
MINIMUM REQUIREMENTS: FRR=1 HR STC=50

I, DECLARE THAT I HAVE REVIEWED AND TAKEN DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF **RN DESIGN LTD.** UNDER DIVISION C, PART-3 SUBSECTION-3.2.4 OF THE BUILDING CODE. I AM QUALIFIED AND THE FIRM IS REGISTERED IN THE APPROPRIATE CLASSES / CATEGORIES.

QUALIFIED DESIGNER BCIN:
FIRM BCIN:
DATE:

SIGNATURE:

client: Gold Park Homes
location: Brampton
project: Mclaughlin and Mayfield
marketing name:

#	revisions	date	dwn	chk	#	revisions	date	dwn	chk
1	ISSUED FOR CLIENT REVIEW	29-Mar-2019	DJH	DJH					

RN design
Imagine • Inspire • Create

model: STD PARTYWALL DET
scale: 3/16" = 1'0"
project #: 13098

page: D8

CONSTRUCTION NOTES:

COMPLIANCE PACKAGE A1 - OBC 2012 - 2017 ENACTMENT

(UNLESS OTHERWISE NOTED)
-ALL CONSTRUCTION TO CONFORM TO THE ONTARIO BUILDING CODE (O.B.C.) AND ALL OTHER CODES AND LOCAL AUTHORITIES HAVING JURISDICTION.
-ALL DIMENSIONS GIVEN FIRST IN IMPERIAL FOLLOWED BY METRIC.
-THERMAL RESISTANCE VALUES BASED ON ZONE 1

FOOTINGS / SLABS:

TYPICAL STRIP FOOTING:
O.B.C. 9.15.3.
-BASED ON 16'-1"(4.9m) MAX. SUPPORTED JOIST LENGTH
-MIN. 2200psi (15MPa) CONCRETE AFTER 28 DAYS
-SHALL REST ON UNDISTURBED SOIL, ROCK OR COMPACTED GRANULAR FILL W/ MIN. 10.9psi (75kPa) BEARING CAPACITY
-FTG. TO HAVE CONTINUOUS KEY
-FTG. SIZES MAY BE REDUCED FOR SOILS W/ GREATER BEARING CAPACITY (AS PER SOILS ENGINEERING REPORT)
-REFER TO WORKING DRAWINGS FOR SPECIFIC SIZES THAT MAY SUPERSEDE NOTES #1 & #2 FOR FOOTING SIZES

(1) **TYPICAL STRIP FOOTING: (EXTERIOR WALLS)**
O.B.C. 9.15.3.5.
-FTG. TO EXTEND MIN. 4'-0" (1200mm) BELOW GRADE

BRICK VENEER	-1 STOREY	- 13" X 4"	(330mm X 100mm)
	-2 STOREY	- 19" X 6"	(485mm X 155mm)
	-3 STOREY	- 26" X 9"	(660mm X 230mm)
SIDING-	-1 STOREY	- 10" X 4"	(255mm X 100mm)
	-2 STOREY	- 14" X 4"	(360mm X 100mm)
	-3 STOREY	- 18" X 5"	(460mm X 130mm)

(2) **TYPICAL STRIP FOOTING: (INTERIOR BEARING WALLS)**
O.B.C. 9.15.3.6.

-1 STOREY MASONRY	- 16" X 4"	(410mm X 100mm)
-1 STOREY STUD	- 12" X 4"	(305mm X 100mm)
-2 STOREY MASONRY	- 26" X 9"	(650mmX 230mm)
-2 STOREY STUD	- 18" X 5"	(450mm X 130mm)
-3 STOREY MASONRY	- 36" X 14"	(900mm X 360mm)
-3 STOREY STUD	- 24" X 8"	(600mm X 200mm)

(3) **STEP FOOTING:**
O.B.C. 9.15.3.9.
-23 5/8" (600mm) MAX. VERTICAL RISE & 23 5/8" (600mm) MIN. HORIZONTAL RUN.

(4) **DRAINAGE TILE OR PIPE:**
O.B.C. 9.14.3.
-4" (100mm) MIN. DIA. LAID ON UNDISTURBED OR WELL COMPACTED SOIL W/ TOP OF TILE OR PIPE TO BE BELOW BOTTOM OF FLR. SLAB.
-COVER TOP & SIDES OF TILE OR PIPE W/ 5 7/8" (150mm) OF CRUSHED STONE OR OTHER COURSE CLEAN GRANULAR MATERIAL.
-TILE SHALL DRAIN TO A SEWER, DRAINAGE DITCH, OR DRY WELL.

(5) **BASEMENT SLAB:**
O.B.C. 9.13. & 9.16.
-3" (75mm) CONCRETE SLAB
-2200psi (15MPa) AFTER 28 DAYS - O.B.C. 9.16.4.5.
-DAMPPROOF BELOW SLAB W/ MIN. 0.006" (0.15mm) POLYETHYLENE OR TYPE 'S' ROLL ROOFING W/ 4" (100mm) LAPPED JOINTS.
-DAMPPROOFING MAY BE OMITTED IF CONCRETE HAS MIN. 3600psi(25MPa) COMPRESSIVE STRENGTH AFTER 28 DAYS
-4" (100mm) OF COURSE GRANULAR MATERIAL
-PROVIDE BOND BREAKING MATERIAL BETWEEN SLAB & FTG.
-WHERE SLAB IS REQUIRED TO BE WATERPROOFED IT SHALL CONFORM TO O.B.C. 9.13.3.
-FLOOR DRAIN PER O.B.C.9.31.4.4.
-R10 (RSI 1.76) INSULATION AT PERIMETER OF SLAB WHERE GRADE IS WITHIN 23-1/2" (600mm) OF BASEMENT SLAB EDGE. INSULATION TO EXTEND TO NOT LESS THAN 23-1/2" (600mm) BELOW EXTERIOR GRADE LEVEL (OBC SB-12 - 3.1.1.7 (5))
- UNLESS IT CAN BE DEMONSTRATED THAT SOIL GAS DOES NOT CONSTITUTE A PROBLEM, SOIL GAS CONTROL SHALL CONFORM TO SUPPLEMENTARY STANDARD (O.B.C. SB-9)

(5a) **SLAB ON GROUND:**
-3" (75mm) CONCRETE SLAB - O.B.C. 9.16.4.3.
-2200psi (15MPa) AFTER 28 DAYS - O.B.C. 9.16.4.5.
-DAMPPROOF BELOW SLAB W/ MIN. 0.006" (0.15mm) POLYETHYLENE OR TYPE 'S' ROLL ROOFING W/ 4" (100mm) LAPPED JOINTS.
-DAMPPROOFING MAY BE OMITTED IF CONCRETE HAS MIN. 3600psi(25MPa) COMPRESSIVE STRENGTH AFTER 28 DAYS
-R10 (RSI 1.76) INSULATION UNDER ENTIRE SLAB WHERE THE ENTIRE SLAB IS WITHIN 23-1/2" (600mm) OF GRADE. (OBC SB-12 3.1.1.7.(6))
-4" (100mm) OF COURSE GRANULAR MATERIAL
-PROVIDE BOND BREAKING MATERIAL BETWEEN SLAB & FTG.
-WHERE SLAB IS REQUIRED TO BE WATERPROOFED IT SHALL CONFORM TO O.B.C. 9.13.3.
-FLOOR DRAIN PER O.B.C.9.31.4.4.
- UNLESS IT CAN BE DEMONSTRATED THAT SOIL GAS DOES NOT CONSTITUTE A PROBLEM, SOIL GAS CONTROL SHALL CONFORM TO SUPPLEMENTARY STANDARD (O.B.C. SB-9)

(6) **GARAGE SLAB / EXTERIOR SLAB:**
-4"(100mm) CONCRETE SLAB
-4650psi (32MPa) COMPRESSIVE STRENGTH AFTER 28 DAYS FOR UNREINFORCED CONC. & W/ 5-8% AIR ENTRAINMENT - O.B.C. 9.3.1.6.
-6" X 6" (W2.9 X W 2.9) WIRE MESH LOCATED NEAR MID-DEPTH OF SLAB
-4" (100mm) OF COURSE GRANULAR MATERIAL
-ANY FILL PLACED UNDER SLAB , OTHER THAN COURSE CLEAN GRANULAR MATERIAL, SHALL BE COMPACTED.

(7) **PILASTERS:**
O.B.C. 9.15.5.3.
PILASTER
-CONCRETE NIB - 4" X 12" (100mm X 300mm)
-BLOCK NIB - 4" X 12" (100mm X 300mm) BONDED & TIED TO WALL AS PER O.B.C. 9.20.11.2. TOP 7 7/8" (200mm) SOLID.
OR
BEAM POCKET
-4" (100mm) INTO FDN. WALL W/ WIDTH TO MATCH BEAM SIZE.
-1/2" (13mm) SPACE AROUND WOOD BEAMS (O.B.C. 9.23.2.2.)
STRUCTURAL COLUMNS
-SIZES BASED ON COLUMN SUPPORTING BEAMS CARRYING LOADS FROM NOT MORE THAN 2 WOOD FRAME FLOORS. WHERE THE LENGTHS OF JOISTS CARRIED BY SUCH BEAMS DO NOT EXCEED 16'-1" (4.9m) AND THE LIVE LOAD ON ANY FLOOR DOES NOT EXCEED 50psf (2.4kPa).

(8) **STEEL PIPE COLUMN:**
O.B.C. 9.15.3.4. & 9.17.3.
-FIXED COLUMN
-MIN. 3 1/2" (90mm) DIA. W/ 3/16" (4.76mm) WALL THICKNESS
-FOR STEEL BEAMS, CLIPS @ TOP & MIN. 6" X 4" X 1/4" (152mmX 100mmx 6.35mm) STEEL BTM. PLATE
-FOR WOOD BEAMS, MIN. 4"X4"X1/4" (100mmX 100mm X 6.35mm) STEEL TOP & BTM. PLATES, OR TOP PLATE TO EXTEND MIN. WIDTH OF BEAM
-ADJUSTABLE COLUMNS TO CONFORM TO CAN//CGSB-7.2-M WHERE IMPOSED LOAD DOES NOT EXCEED 36 KN (O.B.C. 9.17.3.4.)

COL. SPACING:	FTG SIZE:
2 STOREY	
-MAX. 9'-10" (2997mm)	- 34" X 34" X 16" - (860mmX 860mmX 400mm)
-MAX. 16'-0" (4880mm)	- 44" X 44" X 21" - (1120mmX 1120mmX 530mm)
3 STOREY	
-MAX. 9'-10" (2997mm)	- 40" X 40" X 19" - (1010mmX 1010mmX 480mm)
-MAX. 16'-0" (4880mm)	- 51" X 51" X 24" - (1295mmX 1295mmX 610mm)

-WHERE COL. SITS ON FDN. WALL, USE 4" X 8" X 5/8" (100mmX 200mmX 16mm) STEEL PLATE WITH 2-5/8" (16mm) ANCHOR BOLTS

(9) **WOOD COLUMN:**
OBC 9.17.4.1 , 9.17.4.2, & 9.17.4.3.
-5 ½" x 5 ½" (140mm x 140mm) SOLID WOOD COLUMN - OR
-3-2"x6" (38mm x 140mm) BUILT UP COLUMN NAILED TOGETHER W/ 3" (76mm) NAILS SPACED NOT MORE THAN 12" (300mm) APART OR BOLTED TOGETHER W/ 3/8"(9.52mm) DIA BOLTS SPACED AT 18" (450mm) O.C.
-WRAP COLUMN BASE W/ 6 MIL POLY
-COLUMN TO SIT DIRECTLY ON CONC PAD (NOT ON CONC SLAB)
-25"x25"x12" (640mm x 640mm x 300mm) CONC PAD (1 FLOOR SUPPORTED W/ 9'-10" COL SPACING)
-34"x34"x14" (860mm x 860mm x 360mm) CONC PAD (2 FLOORS SUPPORTED W/ 9'-10" COL SPACING)

(10) **BLOCK PARTY WALL BEAM END BEARING: (WOOD BEAM / GIRDER TRUSSES)**
-2"X8"X12" LEDGER BOARD FASTENED W/ 2/ 1/2" ANCHOR BOLTS @ 4" O.C.
-WHERE WOOD BEAMS BEAR ON FIREWALLS USE GENERAL NOTE 11 WHERE REQUIRED TO OBTAIN 5" SEPARATION DISTANCE BETWEEN ADJACENT BEAMS

(11) **BLOCK PARTY WALL BEAM END BEARING: (STEEL BEAM)**
-12"X11"X 5/8" STL. PLATE ON TOP OF SOLID CONCRETE BLOCK WITH 2- 1/2"Ø x8" ANCHOR BOLTS.

WALL ASSEMBLIES:

(14) **FOUNDATION WALL:**
O.B.C. 9.15.4.2.
-FOR WALLS NOT EXCEEDING 8'-2" (2500mm) IN LATERALLY SUPPORTED HEIGHT.
-8" (200mm) SOLID 2200psi (15MPa) CONCRETE
-MAX. UNSUPPORTED HEIGHT OF 3'-11" (1200mm) & MAX. SUPPORTED HEIGHT OF 7'-0" (2150mm) MEASURED FROM GRADE TO FINISHED BASEMENT FLOOR.
-FOR WALLS NOT EXCEEDING 9'-0" (2750mm) IN LATERALLY SUPPORTED HEIGHT.
-10" (250mm) SOLID 2200psi (15MPa) CONCRETE
-MAX. UNSUPPORTED HEIGHT OF 4'-7" (1400mm) & MAX. SUPPORTED HEIGHT OF 8'-6" (2600mm) MEASURED FROM GRADE TO FINISHED BASEMENT FLOOR.
-LATERAL SUPPORT PROVIDED BY ANCHORED SILL PLATE TO JOISTS.

-FOR CONDITIONS EXCEEDING THESE MAXIMUMS AN ALTERNATIVE IN CONFORMANCE TO O.B.C.-T.9.15.4.2.A SHALL BE USED OR IT SHALL BE DESIGNED UNDER O.B.C.- PART 4
-WALL SHALL EXTEND A MIN. 5 7/8" (150mm) ABOVE GRADE
-INSULATE W/ R20 (RSI 3.52) CONTINUOUS INSULATION FROM UNDERSIDE OF SUBFLOOR TO NOT MORE THAN 8" (200mm) ABOVE FINISHED FLOOR OF BASEMENT (ZONE 1 OBC SB-12 T.3.1.1.2.A.)
- ALTERNATE INSULATION METHOD: 2" (51mm) R10 (RSI 1.76)RIGID INSULATION W/ 2"x4"(38mm X 89mm) WOOD STUD W/ R12 (RSI 2.11) BATT INSULATION
-BACK FILL W/ NON-FROST SUSCEPTIBLE SOIL

THESE DRAWINGS ARE NOT TO BE SCALED. ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES MUST BE REPORTED DIRECTLY TO RN DESIGN LTD

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REDUCTION OF THICKNESS:
O.B.C. 9.15.4.7.
-WHERE THE TOP OF THE FOUNDATION WALL IS REDUCED IN THICKNESS TO ALLOW MASONRY FACING, THE MIN. REDUCED THICKNESS SHALL NOT BE LESS THAN 3-1/2" (90mm) THICK.
-TIE TO FACING MATERIAL WITH METAL TIES SPACED MAX. @ 7 7/8" (200mm) VERTICALLY O.C. & 2'-11" (900mm) HORIZONTALLY.
-FILL SPACE BETWEEN WALL AND FACING SOLID W/ MORTAR
-WHERE WALL IS REDUCED FOR JOISTS, THE REDUCED THICKNESS SHALL BE MAX. 13-3/4" (350mm) HIGH & MIN. 3-1/2" (90mm) THICK

DAMPPROOFING & WATERPROOFING:
-DAMPPROOF THE EXTERIOR FACE OF WALL BELOW GRADE AS PER O.B.C. 9.13.2.
-WHERE INSULATION EXTENDS TO MORE THAN 2'-11" (900mm) BELOW GRADE, A FDN. WALL DRAINAGE LAYER SHALL BE PROVIDED IN CONFORMANCE TO O.B.C. 9.14.2.1.(2) (3) (4)
-FINISHED BASEMENTS SHALL HAVE INTERIOR DAMPPROOFING EXTENDING FROM SLAB TO GRADE LEVEL & SHALL CONFORM TO O.B.C. 9.13.3.3.(3)
-WHERE HYDROSTATIC PRESSURE OCCURS, FDN. WALLS SHALL BE WATERPROOFED AS PER O.B.C. 9.13.3.
-WALLS THAT ARE WATERPROOFED DO NOT REQUIRE DAMPPROOFING.

(14a) **FOUNDATION WALLS @ UNSUPPORTED OPENINGS:**
-2-20M BARS IN TOP PORTION OF WALL (UP TO 8'-0" OPENING)
-3-20M BARS IN TOP PORTION OF WALL (8'-0" TO 10'-0" OPENING)
-4-20M BARS IN TOP PORTION OF WALL (10'-0" TO 15'-0" OPENING)
-BARS STACKED VERTICALLY AT INTERIOR FACE APPROX 4" TO 6" APART.
-BARS TO HAVE MIN. 2" (50mm) CONCRETE COVER
-BARS TO EXTEND 2'-0" (600mm) BEYOND BOTH SIDES OF OPENING.

(15) **FRAME WALL CONSTRUCTION:**
O.B.C. 9.23.
-SIDING OR STUCCO AS PER ELEVATIONS, MIN. 7 7/8" (200mm) FROM FINISHED GRADE (O.B.C. 9.28.1.4. & 9.27.)
-WALL SHEATHING MEMBRANE AS PER O.B.C. 9.27.3.2.
-1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9.23.16.
-2" X 6" (38mm X 140mm) WOOD STUDS @ 16" (400mm) O.C.
-MIN. R22 (RSI 3.87) INSULATION (ZONE 1. OBC SB-12 T.3.1.1.2.A.)
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4..
-1/2" (12.7mm) GYPSUM BOARD
NOTE - SUPPORT FOR 3 FLOORS ABOVE - O.B.C. T.9.23.10.1. =
-FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mmX 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE THE FOLLOWING MATERIALS:
-REPLACE R22 (RSI 3.87) INSULATION WITH R22 (RSI 3.87) ABSORPTIVE INSULATING MATERIAL WITH A MASS OF AT LEAST 4.8 kg/ sq.m.
-REPLACE 1/2" (12.7mm) INTERIOR GYPSUM BOARD WITH 1/2" (12.7mm) TYPE 'X' GYPSUM BOARD.
REQ. FOR FIRE RATING (LESS THAN 2'-0" LIMITING DISTANCE):
-REFER TO REQUIREMENTS FOR LESS THAN 4'-0" LIMITING DISTANCE AND ADD/REPLACE THE FOLLOWING:
-NON-COMBUSTABLE SIDING OR STUCCO AS PER ELEVATIONS (REFER TO MANUFACTURER'S SPECIFICATIONS).
OR
-VINYL SIDING IS PERMITTED PER O.B.C. 9.10.15.5.(3). OVER 1/2" (12.7mm) GYPSUM EXTERIOR SHEATHING WHICH REPLACES EXTERIOR PLYWOOD OR EQUIV.

(15a) **ALTERNATE FRAME WALL CONSTRUCTION:**
O.B.C. 9.23.
-SIDING OR STUCCO AS PER ELEVATIONS, MIN. 7 7/8" (200mm) FROM FINISHED GRADE (O.B.C. 9.28.1.4. & 9.27.)
-1 1/2" (38mm) R8 (RSI 1.41) RIGID INSULATION W/ TAPED JOINTS (O.B.C. 9.27.3.4.)
-BRACE W/ CONT. 16 GAUGE STEEL 'T' BRACES FROM TOP PLATE TO BTM. PLATE FOR THE FULL LENGTH OF WALL, OR CONT. 2" X 4" (38mmX 89mm) SOLID WOOD BLOCKING @ APPROXIMATELY 45 DEG. FROM TOP PLATE TO BTM. PLATE FOR FULL LENGTH OF WALL.
-2" X 4" (38mmX 89mm) WOOD STUDS @ 16" (400mm) O.C. @ 12" (300mm) O.C. ON BOTTOM FLR. WHEN 3 STOREYS.
-R14 (RSI 2.46) INSULATION
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD.
NOTE - SUPPORT FOR 2 + 3 FLOORS ABOVE - O.B.C. T.9.23.10.1. =
-FOR 2 FLOORS SUPPORTED ABOVE, 2" X 4" (38mmX 89mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
-FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mmX 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS:
-ADD 1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9.23.16. BETWEEN RIGID INSULATION AND WOOD STUD.
-REPLACE R14 (RSI 2.46) INSULATION WITH R14 (RSI 2.46) ABSORPTIVE INSULATING MATERIAL WITH A MASS OF AT LEAST 2.8 kg/ sq.m.
-REPLACE 1/2"(12.7mm) GYPSUM BD. W/ 1/2" (12.7mm) TYPE 'X' GYPSUM BD.
REQ. FOR FIRE RATING (LESS THAN 2'-0" LIMITING DISTANCE):
-REFER TO REQUIREMENTS FOR LESS THAN 4'-0" LIMITING DISTANCE AND ADD/REPLACE THE FOLLOWING:
-NON-COMBUSTABLE SIDING OR STUCCO AS PER ELEVATIONS (REFER TO MANUFACTURER'S SPECIFICATIONS).
OR
-VINYL SIDING IS PERMITTED PER O.B.C. 9.10.15.5.(3). OVER SHEATHING PAPER OVER 1/2" (12.7mm) GYPSUM EXTERIOR SHEATHING ON EXTERIOR SIDE OF RIGID INSULATION

(15b) **FRAME WALL CONSTRUCTION @ GARAGE:**
O.B.C. 9.23.
-SIDING OR STUCCO AS PER ELEVATIONS, MIN. 7 7/8" (200mm) FROM FINISHED GRADE (O.B.C. 9.28.1.4. & 9.27.)
-WALL SHEATHING MEMBRANE AS PER O.B.C. 9.27.3.2.
-1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9.23.16.
-2" X 4" (38mmX 89mm) WOOD STUDS @ 16" (400mm) O.C.
-1/2" (12.7mm) GYPSUM BOARD
NOTE - SUPPORT FOR 2 + 3 FLOORS ABOVE - O.B.C. T.9.23.10.1. =
-FOR 2 FLOORS SUPPORTED ABOVE, 2" X 4" (38mmX 89mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
-FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mmX 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS:
-ADD ABSORPTIVE MATERIAL WITH A MASS OF AT LEAST 2.8 kg/ sq.m.
-REPLACE 1/2"(12.7mm) GYPSUM BD. W/ 1/2" (12.7mm) TYPE 'X' GYPSUM BD.
REQ. FOR FIRE RATING (LESS THAN 2'-0" LIMITING DISTANCE):
-REFER TO REQUIREMENTS FOR LESS THAN 4'-0" LIMITING DISTANCE AND ADD/REPLACE THE FOLLOWING:
-NON-COMBUSTABLE SIDING OR STUCCO AS PER ELEVATIONS (REFER TO MANUFACTURER'S SPECIFICATIONS).
OR
-VINYL SIDING IS PERMITTED PER O.B.C. 9.10.15.5.(3). OVER SHEATHING PAPER OVER 1/2" (12.7mm) GYPSUM EXTERIOR SHEATHING WHICH REPLACES EXTERIOR PLYWOOD OR EQUIV.

(16) **BRICK VENEER CONSTRUCTION:**
O.B.C. 9.23.
-3-1/2" (90mm) FACE BRICK OR 4" (100mm) STONE @ 36'-1" (11m) MAX. HEIGHT
-MIN. 0.03" (0.76mm) THICK, 7/8" (22mm) WIDE CORROSION RESISTANT STRAPS @ MAX. 15 3/4" (400mm) O.C. HORIZONTAL & 23 5/8" (600mm) O.C. VERTICAL SPACING
-PROVIDE WEEP HOLES @ 2'-7" (800mm)O.C. @ BTM. COURSE & OVER OPENINGS
-BASE FLASHING UP TO 5 7/8" (150mm) BEHIND WALL SHEATHING MEMBRANE (O.B.C. 9.20.13.6.(2))
-BRICK OR STONE SILLS UNDER OPENINGS, FLASHING UNDER
-1" (25mm) AIR SPACE
-WALL SHEATHING MEMBRANE AS PER O.B.C. 9.27.3.2.
-1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9.23.16
-2" X 6" (38mmX 140mm) WOOD STUDS @ 16" (400mm) O.C.
-MIN. R22 (RSI 3.87) INSULATION (ZONE 1. OBC SB-12 T.3.1.1.2.A.)
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD
NOTE - SUPPORT FOR 3 FLOORS ABOVE - O.B.C. T.9.23.10.1. =
-FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mmX 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS:
-REPLACE R22 (RSI 3.87) INSULATION WITH R22 (RSI 3.87) ABSORPTIVE INSULATING MATERIAL WITH A MASS OF AT LEAST 4.8 kg/ sq.m.
-REPLACE 1/2"(12.7mm) GYPSUM BD. W/ 1/2" (12.7mm) TYPE 'X' GYPSUM BD.

(16a) **ALTERNATE BRICK VENEER CONSTRUCTION:**
O.B.C. 9.23.
-3-1/2" (90mm) FACE BRICK OR 4" (100mm) STONE @ 36'-1" (11m) MAX. HEIGHT
-MIN. 0.03" (0.76mm) THICK, 7/8" (22mm) WIDE CORROSION RESISTANT STRAPS @ MAX. 15 3/4" (400mm) O.C. HORIZONTAL & 23 5/8" (600mm) O.C. VERTICAL SPACING
-PROVIDE WEEP HOLES @ 2'-7" (800mm)O.C. @ BTM. COURSE & OVER OPENINGS
-BASE FLASHING UP TO 5 7/8" (150mm) BEHIND WALL SHEATHING MEMBRANE (O.B.C. 9.20.13.6.(2))
-BRICK OR STONE SILLS UNDER OPENINGS, FLASHING UNDER
-1" (25mm) AIR SPACE
-1 1/2" (38mm) R8 (RSI 1.41) RIGID INSULATION W/ TAPED JOINTS (O.B.C. 9.27.3.4.)
-2" X 4" (38mmX 89mm) WOOD STUDS @ 16" (400mm) O.C. @ 12" (300mm) O.C. ON BOTTOM FLR. WHEN 3 STOREYS
-BRACE W/ CONT. 16 GAUGE STEEL 'T' BRACES FROM TOP PLATE TO BTM. PLATE FOR THE FULL LENGTH OF WALL, OR
-CONT. 2" X 4" (38mmX 89mm) SOLID WOOD BLOCKING @ APPROXIMATELY 45 DEG. FROM TOP PLATE TO BTM. PLATE FOR FULL LENGTH OF WALL
-R14 (RSI 2.46) INSULATION
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD
NOTE - SUPPORT FOR 2 + 3 FLOORS ABOVE - O.B.C. T.9.23.10.1. =
-FOR 2 FLOORS SUPPORTED ABOVE, 2" X 4" (38mmX 89mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
-FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mmX 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS:
-ADD 1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9.23.16. BETWEEN RIGID INSULATION AND WOOD STUD.
-REPLACE R14 (RSI 2.46) INSULATION WITH R14 (RSI 2.46) ABSORPTIVE INSULATING MATERIAL WITH A MASS OF AT LEAST 2.8 kg/ sq.m.
-REPLACE 1/2"(12.7mm) GYPSUM BD. W/ 1/2" (12.7mm) TYPE 'X' GYPSUM BD.

(16b) **BRICK VENEER CONSTRUCTION @ GARAGE:**
O.B.C. 9.23.
-3-1/2" (90mm) FACE BRICK OR 4" (100mm) STONE @ 36'-1" (11m) MAX. HEIGHT
-MIN. 0.03" (0.76mm) THICK, 7/8" (22mm) WIDE CORROSION RESISTANT STRAPS @ MAX. 15 3/4" (400mm) O.C. HORIZONTAL & 23 5/8" (600mm) O.C. VERTICAL SPACING
-PROVIDE WEEP HOLES @ 2'-7" (800mm)O.C. @ BTM. COURSE & OVER OPENINGS
-BASE FLASHING UP TO 5 7/8" (150mm) BEHIND WALL SHEATHING MEMBRANE (O.B.C. 9.20.13.6.(2))
-BRICK OR STONE SILLS UNDER OPENINGS, FLASHING UNDER
-1" (25mm) AIR SPACE
-WALL SHEATHING MEMBRANE AS PER O.B.C. 9.27.3.2
-1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9.23.16
-2" X 4" (38mmX 89mm) WOOD STUDS @ 16" (400mm) O.C.
-1/2" (12.7mm) GYPSUM BOARD
NOTE - SUPPORT FOR 2 + 3 FLOORS ABOVE - O.B.C. T.9.23.10.1. =
-FOR 2 FLOORS SUPPORTED ABOVE, 2" X 4" (38mmX 89mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
-FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mmX 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):
O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS:
-ADD R15 (RSI 2.64) ABSORPTIVE MATERIAL WITH A MASS OF AT LEAST 2.8 kg/ sq.m.
-REPLACE 1/2"(12.7mm) GYPSUM BD. W/ 1/2" (12.7mm) TYPE 'X' GYPSUM BD.

(17) **INTERIOR STUD WALLS:**
O.B.C. T.9.23.10.1.
-2" X 4" (38mmX 89mm) WOOD STUDS @ 16" (400mm) O.C. OR
-2" X 6" (38mmX 140mm) WOOD STUDS @ 16" (400mm) O.C. W/
- DOUBLE 2" X 4" OR 2" X 6" TOP PLATES AND SINGLE BOTTOM PLATE
-1/2" (12.7mm) GYPSUM BOARD BOTH SIDES.

(18) **BEARING STUD WALL (BASEMENT):**
-2" X 4" (38mmX 89mm) WOOD STUDS @ 16" (400mm) O.C. OR
-2" X 6" (38mmX 140mm) WOOD STUDS @ 16" (400mm) O.C. W/
- DBL. 2" X 4" OR 2" X 6" TOP PLATE.
- 2" X 4" OR 2" X 6" BOTTOM PLATE ON DAMPPROOFING MATERIAL.
-1/2" (12.7mm) GYPSUM BOARD BOTH SIDES.
-1/2" (12.7mm) DIA. ANCHOR BOLTS @ 7'-10" (2400mm) O.C.
-FOOTING AS PER GENERAL NOTE #2 W/ 4" CONC. CURB

(19) **PARTY WALL - BLOCK:**
O.B.C. SB-3 WALL = B6e (STC = 57, FIRE = 2 HR)
-MIN. 1HR FIRE-RESISTANCE RATING CONTINUOUS FROM TOP OF FOOTINGS TO THE U/S OF ROOF DECK
-SPACE BETWEEN TOP OF WALL & ROOF DECK SHALL BE TIGHTLY FILLED W/ MINERAL WOOL OR NONCOMBUSTIBLE MATERIAL & CAULKED TO PREVENT SMOKE PASSAGE
-1/2" (12.7mm) GYPSUM BOARD W/ TAPED JOINTS BOTH SIDES
-2" X 2" (38mmX 38mm) WOOD STRAPPING @ 24" (600mm) O.C. BOTH SIDES
-ABSORPTIVE MATERIAL ON BOTH SIDES FILLING A MINIMUM OF 90% OF THE CAVITY.
-7 1/2" (190mm) HOLLOW BLOCK (NORMAL WEIGHT AGGREGATE)
-STAGGER JOISTS & BEAMS MIN. 3 1/2" (90mm) @ PARTY WALLS AS PER O.B.C. 9.10.9.9.(1) & TABLE 2.1.1. SB-2
-ACOUSTICAL SEALANT AS PER O.B.C. SB-3 (NOTE (2) TO TABLE 1)

(19a) **PARTY WALL - BLOCK (AGAINST GARAGE):**
O.B.C. SB-3 WALL = B5c (STC = 51, FIRE = 2 HR)
-MIN. 1HR FIRE-RESISTANCE RATING CONTINUOUS
-1/2" (12.7mm) GYPSUM BOARD
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3. & 9.25.4.
-2" X 6" (38mmX 140mm) WOOD STRAPPING @ 16" (400mm) O.C.
-R22 (RSI 3.52) RIGID INSULATION
-7 1/2" (190mm) HOLLOW BLOCK (NORMAL WEIGHT AGGREGATE)
-1/2" (12.7mm) GYPSUM BOARD @ WALL & U/S OF CEILING BETWEEN HOUSE AND GARAGE
-TAPE AND SEAL ALL JOINTS GAS TIGHT

(19b) **FIREWALL:**
O.B.C. 9.10.11. & 3.1.10. & SB-3 WALL = B6e (STC = 57, FIRE = 2 HR)
- ONE FIREWALL IS REQUIRED FOR EVERY 6460 S.F. (600 SQ.M) OF BUILDING AREA, O.B.C. T.3.2.2.47.
-1/2" (12.7mm) GYPSUM BOARD W/ TAPED JOINTS
-2" X 2" (38mmX 38mm) WOOD STRAPPING @ 24" (600mm) O.C. ON BOTH SIDES OF WALL
-SOUND ABSORPTIVE MATERIAL EACH SIDE FILLING 90% OF THE CAVITY
-7 1/2" (190mm) CONC. BLOCK, MIN. 2 HR. FIRE-RESISTANT RATING
-EVERY FIREWALL SHALL BE CONTINUOUS THROUGH ALL BUILDING STOREYS
-STAGGER JOISTS & BEAMS MIN. 5" (130mm) @ FIRE WALLS AS PER O.B.C. 9.10.9.9.(1) & TABLE 2.1.1 SB-2
-ACOUSTICAL SEALANT AS PER O.B.C. SB-3 (NOTE (2) TO TABLE 1)
-PROTRUDE PAST FASCIA @ EAVES W/ BRICK CORBELLING
-EXTEND 5 7/8" (150mm) ABOVE ROOF SURFACES & HAVE ALUMINUM CAP W/ THROUGH WALL FLASHING PER O.B.C. 3.1.10.4.(1)
-WHERE THE DIFFERENCE IN HEIGHT BETWEEN ADJACENT ROOFS IS GREATER THAN 9'10" (3m), WALL NEED NOT EXTEND PAST UPPER ROOF SURFACE PER O.B.C. 3.1.10.4.(2)

(20) **PARTY WALL - FOUNDATION:**
O.B.C. 9.15.4.2.
-7 7/8" (200mm) SOLID CONC. FOUNDATION WALL @ 2200psi (15MPa) COMPRESSIVE STRENGTH AFTER 28 DAYS
-FOUNDATION WALL TO REST ON FOOTING PER GENERAL NOTE #2

◆ (21) PARTY WALL - WOOD STUD (TYPICAL):
O.B.C. SB-3 WALL = W15c (STC = 61, FIRE = 1 HR)
-MIN. 1HR FIRE-RESISTANCE RATING CONTINUOUS FROM TOP OF FOOTINGS TO THE U/S OF ROOF DECK
-2 ROWS 2"X4"(38mmX 89mm) STUDS @ 16"(400mm) O.C. W/ SEPARATE 2" X 4" (38mmX 89mm) BOTTOM PLATE & SEPARATE DOUBLE 2" X 4" (38mmX 89mm) TOP PLATES
-SOUND ABSORPTIVE MATERIAL ON BOTH SIDES FILLING A MINIMUM OF 90% OF THE CAVITY.
-2 LAYERS OF GYSUM ON BOTH SIDES (as follows):
-1st LAYER - 5/8" (16mm) TYPE 'X' GYPSUM BOARD BOTH SIDES W/ JOINTS TAPED & FILLED.
-ACOUSTIC GREEN GLUE b/w GYPSUM 1st & 2nd LAYERS
-2nd LAYER - 1/2" (12mm) REGULAR GYSUM BOARD BOTH SIDES W/ JOINTS TAPED & FILLED
-ACOUSTICAL SEALANT AS PER O.B.C. SB-3 (NOTE (2) TO TABLE 1)
NOTE - SUPPORT FOR 2 + 3 FLOORS ABOVE - O.B.C. T.9.23.10.1. =
-FOR 2 FLOORS SUPPORTED ABOVE, 2" X 4" (38MMX 89MM) STUDS ARE REQUIRED TO BE SPACED @ 12" (300MM) O.C.
-FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38MMX 140MM) STUDS ARE REQUIRED TO BE SPACED @ 12" (300MM) O.C.
- IF 2"X6" STUDS ARE USED AT STAIR OPENING CONTINUE TO USE ON REMAINING FLOORS AT THE STAIR OPENING AT 16" O.C.

(22) **GARAGE WALL & CEILING:**
O.B.C. 9.10.9.16.(3)
-1/2" (12.7mm) GYPSUM BOARD ON BOTH SIDES OF WALL & U/S OF CEILING BETWEEN HOUSE AND GARAGE
-TAPE AND SEAL ALL JOINTS GAS TIGHT
-R22 (RSI 3.87) INSULATION IN WALLS.
-R31 (RSI 5.41) INSULATION IN CEILINGS W/ FLOOR ABOVE
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3. & 9.25.4.. FOR FLOOR ABOVE.
-INSULATION AROUND DUCTS AND PIPING NOT TO ENCROACH MIN. REQUIRED GARAGE AREA (REFER TO MUNICIPAL STANDARDS).
-1/2" (12.7mm) GYPSUM BOARD
-ROOF FRAMING MEMBERS ARE FASTENED TO TOP PLATES WITH 4 - 3 1/4" (82mm) TOE NAILS
-BOTTOM PLATES ARE FASTENED TO FLOOR JOISTS, BLOCKING OR RIM JOIST WITH 3 1/4" (82mm) NAILS AT 7 7/8" (200mm) O.C.

(22a) **WALLS ADJACENT TO ATTIC SPACE:**
-1/2" (12.7mm) GYPSUM BOARD
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3. & 9.25.4.
-2" X 6" (38mmX 140mm) WOOD STUDS @ 16" (400mm) O.C.
-R22 (RSI 3.87) INSULATION
-1/2" (12.7mm) GYPSUM BOARD OR 1/4" (6mm) PLYWOOD SHEATHING ON ATTIC SIDE.
-ATTIC ACCESS TO BE PROVIDED AS PER O.B.C. 9.19.2.1.

(23) **DOUBLE VOLUME WALLS:**
O.B.C. 9.23.10.1.
-3/8" (9.5mm) PLYWOOD, OSB OR WATERBOARD SHEATHING
-REFER TO PLAN FOR STUD SPECIFICATION
-STUDS FASTENED AT TOP & BOTTOM WITH 3/ 3-1/4" (82mm) TOE NAILS
-DOUBLE TOP PLATES FASTENED TOGETHER WITH 3" (76mm) AT 7 7/8" (200mm) O.C.
-SOLID BRIDGING AT 3'-11" (1200mm) O.C.
-MIN. R22 (RSI 3.87) INSULATION (ZONE 1 OBC SB-12 T.3.1.1.2.A.)
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE WITH O.B.C. 9.25.3. & 9.25.9.

(24) **EXPOSED FLOOR:**
-FLOOR AS PER NOTE # 28
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3. & 9.25.4.
-R31 (RSI 5.46) INSULATION
-VENTED ALUMINUM SOFFIT

(24a) **SUNKEN FINISHED AREAS:**
-USE SOLID BUILT-UP WOOD BEARING POST TO SUPPORT SUNKEN AREA AT FOUNDATION WALLS. EXTEND FOOTINGS TO SUPPORT POSTS.
- WHERE GRADING CONDITIONS WILL ALLOW, CHECK FOUNDATION WALLS INSTEAD OF USING BEARING POSTS.
-FLOOR STRUCTURE AS PER NOTE # 28.

(25) **DOUBLE MASONRY WYTHE WALL:**
O.B.C. 9.20.8.2.
-3 1/2" MASONRY VENEER ON 2" MORTAR JOINT ON 3 1/2" MASONRY VENEER
-WYTHES TO BE TIED W/ METAL TIES INSTALLED AS PER O.B.C. 9.20.9.4.
SILL PLATE REQUIRED FOR ROOF AND CEILING FRAMING MEMBERS
-6" SILL W/ 2" BEARING ON EACH SIDE & ANCHOR BOLTS @ 4'-0" O.C.
NOTE: MASONRY TO BE SOLID & MORTAR JOINT FILLED SOLID FOR FLOOR JOISTS BEARING ON WYTHES. FLOOR JOISTS ARE NOT TO PROJECT INTO CAVITY AREA.

(25a) **CORBEL MASONRY VENEER:**
-MASONRY VENEER TO BE CORBELLED AS PER O.B.C. 9.20.12.3.(1)

FLOOR ASSEMBLIES:

(26) **SILL PLATE:**
O.B.C. 9.23.7.
-2" X 4" (38mm X 89mm) PLATE
-1/2" (12.7mm) DIA. ANCHOR BOLTS @ 7'-10" (2400mm) O.C. FASTENED TO PLATE W/ NUTS AND WASHERS & SHALL BE EMBEDDED NOT LESS THAN 4" (100mm) INTO FOUNDATION WALL.
-SILL PLATE TO BE CAULKED, OR PLACED ON A LAYER NOT LESS THAN 1" (25mm) THICK BEFORE COMPRESSING, OR FOAM GASKET, OR PLACED ON FULL BED OF MORTAR.

(27) **BRIDGING & STRAPPING:**
O.B.C. 9.23.9.4.
a) STRAPPING
-1" X 3" (19mmX 64mm) NAILED TO U/S OF JOISTS @ MAX. 6'-11" (2100mm) O.C.
-FASTENED TO SILL OR HEADER @ ENDS
b) BRIDGING
-1" X 3" (19mmX 64mm) OR 2" X 2" (38mmX 38mm) CROSS BRIDGING @ MAX. 6'-11" (2100mm) O.C.
c) BRIDGING & STRAPPING
- a) & b) USED TOGETHER OR
-1 1/2" (38mm) SOLID BLOCKING @ MAX. 6'-11" (2100mm) O.C. USED WITH STRAPPING (a)
d) FURRING OR PANEL TYPE CEILING
-STRAPPING NOT REQUIRED IF FURRING STRIPS OR PANEL TYPE CEILING FINISH IS ATTACHED DIRECTLY TO JOISTS.

(28) **FLOOR ASSEMBLY:**
O.B.C. 9.23.14.3, 9.23.14.4
-5/8" (15.9mm) WAFERBOARD (R-1 GRADE) OR EQUIVALENT
-FLOOR JOISTS AS PER FLOOR PLANS

(29) **PORCH SLAB:**
O.B.C. 9.39.1.4.
-4 7/8" (125mm) 4650 psi (32 MPa) CONC. SLAB WITH 5 TO 8% AIR ENTRAINMENT
-REINFORCE WITH 10M BARS @ 7 7/8" (200mm) EACH WAY
-1 1/4" (30mm) CLEAR COVER FROM THE BOTTOM OF THE SLAB
-3" (75mm) END BEARING ON FOUNDATION WALL
-23 5/8" (600mm) X 23 5/8" (600mm) 10M DOWELS @ 23 5/8" (600mm) O.C.
-IF A COLD CELLAR IS LOCATED BELOW THE SLAB, SUPPORT ON FOUNDATION WALLS NOT TO EXCEED 8'-2"

(30) **EXTERIOR BALCONY ASSEMBLY:**
-1 1/4"X 3 1/2" PRESSURE TREATED DECKING W/ 1/4" SPACING
-2"X4" WOOD PURLINS (CUT DIAGONALLY) @ 12" O.C. LAYING UNFASTENED ON SINGLE PLY WATERPROOF ROOF MEMBRANE OR EQUIVALENT ON 5/8" (15.9mm) EXTERIOR GRADE PLYWOOD SHEATHING ON 2"X4" WOOD PURLINS (CUT DIAGONALLY) @ 12" O.C. DIRECTLY ON 2"X8" ROOF JOISTS @ 12" O.C. (OR AS NOTED ON PLAN)
- EXTERIOR GUARD AS PER #36a
- SLOPE ASSEMBLY MINIMUM 2% TO ROOF SCUPPER
REQUIRED FOR OVER HEATED SPACES:
-ADD 2"x2" (38mm x 38mm) CROSS PURLINS @ 16" (400mm) O.C. FOR VENTILATION OVER JOISTS (OBC 9.19.1.2. VENTING NOT LESS THAN 1/150 OF CEILING AREA)
-ADD R31 (RSI 5.46) INSULATION BETWEEN JOISTS
-ADD CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-ADD 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
-ADD 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. T.9.29.5.3.)

(30a) **EXTERIOR FLAT ROOF ASSEMBLY:**
-SINGLE PLY WATERPROOF ROOF MEMBRANE OR EQUIVALENT INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
-1/4" EXTERIOR GRADE WOOD PANEL TYPE UNDERLAY TAPERED PURLINS SLOPED MIN. 2% TO ROOF SCUPPER.
-3/8" EXTERIOR GRADE PLYWOOD SHEATHING ON
-2"X8" ROOF JOISTS @ 12" O.C. (OR AS NOTED ON PLAN)
REQUIRED FOR OVER HEATED SPACES:
-ADD 2"X2" (38mm x 38mm) CROSS PURLINS @ 16" (400mm) O.C. FOR VENTILATION OVER JOISTS (OBC 9.19.1.2. VENTING NOT LESS THAN 1/150 OF CEILING AREA)
-ADD R31 (RSI 5.46) INSULATION BETWEEN JOISTS
-ADD CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-ADD 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
-ADD 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. T.9.29.5.3.)

ROOF ASSEMBLIES

(31) **TYPICAL ROOF:**
O.B.C. 9.26.
-NO. 210 (30. 5KG/m2) ASPHALT SHINGLES
-FOR ROOFS BETWEEN 4:12 & 8:12 PITCH PROVIDE EAVES PROTECTION TO EXTEND UP THE ROOF SLOPE MIN. 2'-11" (900mm) FROM EDGE TO A LINE NOT LESS THAN 12" (300mm) PAST THE INSIDE FACE OF EXTERIOR WALL.
-EAVES PROTECTION LAID BENEATH STARTER STRIP.
-EAVE PROTECTION NOT REQUIRED OVER UNHEATED SPACES.
-STARTER STRIP AS PER O.B.C. 9.26.7.2.
-STARTER STRIP NOT REQUIRED AS PER O.B.C. 9.26.7.2.(3)
-3/8" (10mm) PLYWOOD SHEATHING OR OSB (0-2 GRADE) WITH "H" CLIPS
-APPROVED WOOD TRUSSES @ 24" (600mm) O.C. (REFER TO MANUFACTURER'S LAYOUT)
-TRUSS BRACING AS PER TRUSS MANUFACTURER
-EAVESTROUGH ON PREFINISHED FASCIA AND VENTED SOFFIT (VINYL OR ALUMINUM)
-ATTIC VENTILATION 1:300 OF INSULATED CEILING AREA WITH. 50% AT SOFFIT.

(32) **CEILING:**
-R60 (RSI 10.56) INSULATION
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
-5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. T.9.29.5.3.)

(32a) **VAULTED OR CATHEDRAL CEILING:**
O.B.C. 9.26. & TABLE A4
-NO. 210 (30. 5KG/m2) ASPHALT SHINGLES
-FOR ROOFS BETWEEN 4:12 & 8:12 PITCH PROVIDE EAVES PROTECTION TO EXTEND UP THE ROOF SLOPE MIN. 2'-11" (900mm) FROM EDGE TO A LINE NOT LESS THAN 12" (300mm) PAST THE INSIDE FACE OF EXTERIOR WALL.
-EAVES PROTECTION LAID BENEATH STARTER STRIP.
-EAVE PROTECTION NOT REQUIRED OVER UNHEATED SPACES OR WHERE ROOF SLOPES ARE 8:12 OR GREATER PER O.B.C. 9.26.5.1.
-STARTER STRIP AS PER O.B.C. 9.26.7.2.
-STARTER STRIP NOT REQUIRED AS PER O.B.C. 9.26.7.2.(3)
-3/8" (10mm) PLYWOOD SHEATHING OR OSB (0-2 GRADE) WITH "H" CLIPS.
-2"x8" (38mm x 184mm) @ 16" O.C. W/ 2"x2" (38mm x 38mm) CROSS PURLINS @ 24" O.C. MAX. SPAN 13'-3" (4050mm) OR
-2"x10" (38mm x 235mm) @ 16" O.C. W/ 2"x2" (38mm x 38mm) CROSS PURLINS @ 24" O.C. MAX. SPAN 17'-0" (5180mm)
-R31 (RSI 5.46) INSULATION
-MIN. 3" CLEARANCE FROM U/S OF ROOF SHEATHING TO INSULATION
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE WITH O.B.C. 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD

LEGEND

SMOKE ALARM (44)		FLAT ARCH	
CARBON MONOXIDE ALARM (CMA) (45)		2 STORY WALL	
WATERPROOF DUPLEX OUTLET		EXT. LIGHT FIXTURE (WALL MOUNTED)	
VENTS AND INTAKES	(H)	HYDRO METER	
HOSE BIB	(G)	GAS METER	
(38) EXHAUST FAN	DJ	DOUBLE JOIST	
COLD CELLAR VENT (50)	PT	PRESSURE TREATED LUMBER	
STOVE VENT	GT	GIRDER TRUSS	
FIRE PLACE VENT	AFF	ABOVE FINISHED FLOOR	
DRYER VENT	BBFM	BEAM BY FLOOR MANUF	
FLOOR DRAIN	(FL)	FLUSH	
SOLID BEARING (TO BE SAME WIDTH AS SUPPORTED MEMBER)	(DR)	DROPPED	
POINT LOAD	'DO'	REPEAT SAME JOIST SIZE	
	U/S	UNDER SIDE	
	FG	FIXED GLAZING	
	GB	GLASS BLOCK	
	BG	BLACK GLASS	

LINTELS

L1	2/ 2" X 8" SPR	L9	4" X 3-1/2" X 1/4" L	L14	5-7/8" X 3-1/2" X 1/2" L
L3	2/ 2" X 10" SPR	L10	4-7/8" X 3-1/2" X 5/16" L	L15	5-7/8" X 4" X 1/2" L
L5	2/ 2" X 12" SPR	L11	4-7/8" X 3-1/2" X 3/8" L	L16	7-1/8" X 4" X 3/8" L
L7	3-1/2" X 3-1/2" X 1/4" L	L12	5 7/8" X 3-1/2" X 5/16" L	L17	7-1/8" X 4" X 1/2" L
L8	4-7/8" X 3-1/2" X 1/4" L	L13	5-7/8" X 3-1/2" X 3/8" L		

(33) **CONVENTIONAL FRAMING:**
O.B.C. TABLE A6 OR A7
-2" X 6" (38mm X 140mm) RAFTERS @ 16" (400mm) O.C. MAX. SPAN 12'-9" (3890mm)
-2"X4" (38mm X 89mm) COLLAR TIES AT MIDSPANS
-CEILING JOISTS TO BE 2" X 6" (38mmX 140mm) @ 16" (400mm) O.C. UNLESS OTHERWISE NOTED.
-HIP & VALLEY RAFTERS TO BE MIN. 2" (50mm) LARGER THAN COMMON RAFTERS & MIN. 1 1/2" (38mm) THICK.

(34) **ATTIC ACCESS HATCH:**
OBC 9.19.2.1. & SB-12 3.1.1.8.(1)
-19 3/4" X 27 1/2" (500mm X 700mm) ATTIC HATCH WITH WEATHERSTRIPPING & BACKED W/ R20 (RSI 3.52) INSULATION.

GENERAL:

(35) **PRIVATE STAIRS:**
O.B.C. 9.8.4.

-MAX. RISE	= 7-7/8"	(200mm)
-MIN. RUN	= 8-1/4"	(210mm)
-MIN. TREAD	= 9-1/4"	(235mm)
-MAX. NOSING	= 1"	(25mm)
-MIN. HEADROOM	= 6'-5"	(1950mm)
-MIN. WIDTH (BETWEEN WALL FACES)	= 2'-10"	(860mm)
-MIN. WIDTH (EXIT STAIRS, BETWEEN GUARDS)	= 2'-11"	(900mm)
ANGLED TREADS:		
-MIN. RUN	= 5 7/8"	(150mm)
-MIN. AVG. RUN	= 7 7/8"	(200mm)

-FINISHED RAILING ON WOOD PICKETS MAX. 4" BETWEEN PICKETS
-EXTERIOR CONC. STEPS TO HAVE MIN. 9 1/4" (235mm) TREAD & MAX. 7 7/8" (200mm) RISE
-FOUND. WALL REQUIRED WHEN NUMBER OF RISERS EXCEEDS 2
-FTG. FOR FOUND. WALL TO BE MIN. 4'-0" (1220mm) BELOW GRADE
HANDRAILS:
O.B.C. 9.8.7
-ONE HANDRAIL REQUIRED WHERE STAIR WIDTH IS LESS THAN 3'-7" (1100mm)
-TWO HANDRAILS REQUIRED WHERE STAIR WIDTH EXCEEDS 3-7" (1100mm)
-ONE HANDRAIL IS REQUIRED ON CURVED STAIRS OF ANY WIDTH WITHIN DWELLING UNITS
-HANDRAILS ARE TO BE CONTINUOUS EXCEPT WHERE INTERRUPTED BY DOOR WAYS, LANDINGS OR POSTS AT CHANGES IN DIRECTION
HEIGHT:
O.B.C. 9.8.7.4
- 2'-10" (865mm) MIN. TO 3'-2" (965mm) MAX.
- 3'-6" (1070mm) WHERE GUARDS ARE REQUIRED ON LANDINGS
-MEASURED VERTICALLY FROM THE TOP OF THE HANDRAIL TO A STRAIGHT LINE DRAWN FROM THE TANGENT TO THE TREAD NOSING
PROJECTIONS:
O.B.C. 9.8.7.6
-HANDRAILS AND PROJECTIONS BELOW HANDRAILS INCLUDING STEP STRINGERS TO PROJECT A MAXIMUM OF 4" (100mm) INTO THE REQUIRED WIDTH OF THE STAIR

(35a) **PUBLIC STAIRS:**
O.B.C. 9.8.4.

-MAX. RISE	= 7-3/32"	(180mm)
-MIN. RUN	= 11"	(280mm)
-MIN. TREAD	= 11"	(280mm)
-MAX. NOSING	= 1"	(25mm)
-MIN. HEADROOM	= 6'-9"	(2050mm)
-MIN. WIDTH (EXIT STAIRS, BETWEEN GUARDS)	= 2'-11"	(900mm)

-FINISHED RAILING ON WOOD PICKETS MAX. 4" BETWEEN PICKETS
-FOUND. WALL REQUIRED WHEN NUMBER OF RISERS EXCEEDS 2
-FTG. FOR FOUND. WALL TO BE MIN. 4'-0" (1220mm) BELOW GRADE
HANDRAILS:
O.B.C. 9.8.7
-ONE HANDRAIL REQUIRED WHERE STAIR WIDTH IS LESS THAN 3'-7" (1100mm)
-TWO HANDRAILS REQUIRED WHERE STAIR WIDTH EXCEEDS 3-7" (1100mm)
-TWO HANDRAILS ARE REQUIRED ON CURVED STAIRS OF ANY WIDTH
-HANDRAILS ARE TO BE CONTINUOUS INCLUDING AT LANDINGS EXCEPT WHERE INTERRUPTED BY DOOR WAYS OR NEWEL POSTS AT CHANGES IN DIRECTION
HEIGHT:
O.B.C. 9.8.7.4
- 2'-10" (865mm) MIN. TO 3'-2" (965mm) MAX.
- 3'-6" (1070mm) WHERE GUARDS ARE REQUIRED ON LANDINGS)
- MEASURED VERTICALLY FROM THE TOP OF THE HANDRAIL TO A STRAIGHT LINE DRAWN FROM THE TANGENT TO THE TREAD NOSING
PROJECTIONS:
O.B.C. 9.8.7.6
- HANDRAILS AND PROJECTIONS BELOW HANDRAILS INCLUDING STEP STRINGERS TO PROJECT A MAXIMUM OF 4" (100mm) INTO THE REQUIRED WIDTH OF THE STAIR
TERMINATION:
O.B.C. 9.8.7.3
- ONE HAND RAIL SHALL EXTEND HORIZONTALLY NOT LESS THAN 11 3/4" (300mm) BEYOND THE TOP & BOTTOM OF EACH STAIR
FINISH:
O.B.C. 9.8.9.6
-TREADS ARE TO BE WEAR AND SLIP RESISTANT, SMOOTH, EVEN AND FREE FROM DEFECTS PER OBC 9.8.9.6.(4)
- STAIRS AND RAMPS SHALL HAVE A COLOUR CONTRAST OR DISTINCTIVE VISUAL PATTERN TO DEMARCATE THE LEADING EDGE OF THE TREADS, LANDING AND THE BEGINNING AND END OF A RAMP.

(36) **INTERIOR GUARDS:**
O.B.C. SB-7 & 9.8.8.3.
-GUARDS TO BE 3'-6" (1070mm) HIGH
-FOR DWELLING UNITS GUARDS TO BE A MIN. OF 2'-11" (900mm) HIGH
-INCLUDES WINDOWS OVER STAIRS, RAMPS AND LANDINGS
-PICKETS TO HAVE 4" (100mm) MAX. SPACING
-GUARDS FOR FLIGHTS OF STEPS (EXCEPT EXIT STAIRS) TO BE 2'-11" (900mm) HIGH

(36a) **EXTERIOR GUARDS:**
O.B.C. SB-7 & 9.8.8.3.
-GUARDS ARE REQUIRED WHEN WALKING SURFACE TO GRADE IS GREATER THAN 23 5/8" (600mm).
-GUARDS TO BE 3'-6" (1070mm)
-FOR DWELLING UNITS GUARDS TO BE A MIN. OF 2'-11" (900mm) HIGH
-FOR DWELLING UNITS GUARDS TO BE 3'-6" (1070mm) HIGH WHERE WALKING SURFACE IS MORE THAN 5'-11" (1800mm) ABOVE ADJACENT GRADE.
-PICKETS TO HAVE 4" (100mm) MAX. SPACING
-PROVIDE MID-SPAN POSTS AS PER SB-7.
-GUARDS FOR FLIGHTS OF STEPS (EXCEPT EXIT STAIRS) TO BE 2'-11" (900mm) HIGH

(36b) **EXTERIOR GUARDS @ JULIET BALCONY:**
-FOR RAILING SPANNING MAXIMUM OF 6'-0".
-PROVIDE PREFIN. METAL RAILING W/ 76mm VERTICAL OPENING TO CONFORM WITH O.B.C. APPENDIX A-9.8.8.5.
-GUARDS TO BE 3'-6" (1070mm)
-FOR DWELLING UNITS GUARDS TO BE 2'-11" (900mm) WHERE FLOOR TO GRADE DIFFERENCE IS LESS THAN 5'-11" (1800mm) AS PER O.B.C. 9.8.8.2. OR
-FOR DWELLING UNITS GUARDS TO BE 3'-6" WHERE FLOOR TO GRADE DIFFERENCE IS 5'-11" (1800mm) OR GREATER AS PER O.B.C. 9.8.8.2.
-VERTICAL END RAILING ANCHORED TO CORNER DOUBLE STUDS USING 3 ROWS OF 3/8"Ø MIN. ANCHOR BOLTS EQUALLY SPACED WITH 3" MIN. EMBEDMENT TO STUDS.
-PROVIDE SAME ANCHOR BOLTS @ 36" O.C. FOR BASE PLATE CONNECTION.

(37) -LINEN CLOSET 4 SHELVES MIN. 1'-2" (350mm) DEEP
(38) -WASHROOMS TO BE MECHANICALLY VENTED TO PROVIDE AT LEAST ONE AIR CHANGE PER HOUR, O.B.C.- 9.32.1.3.(3)
(39) -CAPPED DRYER VENT
(40) -1"X2" (19mmX38mm) BOTH SIDES OF STEEL.
(41) -WOOD FRAMING MEMBERS SUPPORTED ON CONCRETE IN CONTACT WITH GROUND OR FILL SHALL BE PRESSURE TREATED OR SEPARATED FROM CONCRETE W/ 6 mil POLYETHYLENE.

ONTARIO REGULATION 332/12 OBC. AMMENDMENT O. REG. 139/17 JAN 1, 2018

DOORS

A 865x2030x45 (2'10"x6'8"x1-3/4")
B 815x2030x35 (2'8"x6'8"x1-3/8")
C 760x2030x35 (2'6"x6'8"x1-3/8")
D 710x2030x35 (2'4"x6'8"x1-3/8")
E 460x2030x35 (1'6"x6'8"x1-3/8")
F 610x2030x35 (2'0"x6'8"x1-3/8")
G OVER SIZED EXTERIOR DOOR

STEEL BEAMS

ST1 W 6 X 15
ST2 W 6 X 20
ST3 W 8 X 18
ST4 W 8 X 21
ST5 W 8 X 24

WOOD BEAMS

WD1 3/ 2" X 8" SPR
WD2 4/ 2" X 8" SPR
WD3 5/ 2" X 8" SPR
WD4 3/ 2" X 10" SPR
WD5 4/ 2" X 10" SPR
WD6 5/ 2" X 10" SPR
WD7 3/ 2" X 12" SPR
WD8 4/ 2" X 12" SPR
WD9 5/ 2" X 12" SPR
WD10 2/ 1 3/4" X7 1/4" (2.0E) LVL
WD11 3/ 1 3/4" X7 1/4" (2.0E) LVL
WD12A 1/ 1 3/4" X9 1/2" (2.0E) LVL
WD12 2/ 1 3/4" X9 1/2" (2.0E) LVL
WD13 3/ 1 3/4" X9 1/2" (2.0E) LVL
WD14A 1/ 1 3/4" X11 7/8" (2.0E) LVL
WD14 2/ 1 3/4" X11 7/8" (2.0E) LVL
WD15 3/ 1 3/4" X11 7/8" (2.0E) LVL
WD16A 1/ 1 3/4" X14" (2.0E) LVL
WD16 2/ 1 3/4" X14" (2.0E) LVL
WD17 3/ 1 3/4" X14" (2.0E) LVL

◆ *CLIENT SPECIFIC REVISIONS*

Areas:

	ELEVATION 'A'		ELEVATION 'B'	
	SF	SM	SF	SM
GROUND FLOOR	853.8	79.3	853.8	79.3
SECOND FLOOR	1036.5	96.3	1046.4	97.2
TOTAL AREA	**1890.3**	**175.6**	**1900.2**	**176.5**
COVERAGE INC PORCH	1145.05	106.4	1145.05	106.4
COVERAGE NOT INC PORCH	1069.5	99.4	1069.5	99.4

	ELEVATION 'C'		ELEVATION 'D'	
	SF	SM	SF	SM
GROUND FLOOR	853.8	79.3	863.5	80.2
SECOND FLOOR	1036.5	96.3	1056.2	98.1
TOTAL AREA	**1890.3**	**175.6**	**1919.7**	**178.3**
COVERAGE INC PORCH	1113.5	103.4	1116	103.7
COVERAGE NOT INC PORCH	1069.5	99.4	1079.3	100.3

(42) -PRECAST CONC. STEP
-2 RISERS MAXIMUM PERMITTED TO BE LAID ON GROUND

(44) SMOKE ALARM, O.B.C.- 9.10.19.
-PROVIDE 1 ON EACH FLOOR INCLUDING BASEMENTS
-PROVIDE 1 IN EACH BEDROOM
-PROVIDE 1 IN EACH HALLWAY SERVICING BEDROOMS
- INSTALLED AT OR NEAR CEILING
-ALARMS TO BE CONNECTED IN CIRCUIT AND INTERCONNECTED SO ALL ALARMS WILL BE ACTIVATED IF ANY ONE OF THEM SOUNDS AND HAVE A VISUAL SIGNALLING COMPONENT
-ALARMS MUST BE HARDWIRED AND HAVE AN ALTERNATE POWER SOURCE THAT CAN POWER ALARM FOR 7 DAYS. FOLLOWED BY 4 MINUTES OF ALARM

(45) CARBON MONOXIDE ALARM (CMA). O.B.C.- 9.33.4.
-WHERE THERE IS A FUEL BURNING APPLIANCE A CMA SHALL BE PROVIDED ADJACENT TO EACH SLEEPING AREA.
-CMA TO BE WIRED IN CIRCUIT TO SOUND SMOKE ALARMS WHEN ACTIVATED.

(46) -MAIN DOOR TO BE OPERABLE FROM INSIDE W/OUT KEY
-PROVIDE A VIEWER WITH A VIEWING ANGLE OF NOT LESS THAN 160 DEG. UNLESS GLAZING IS PROVIDED IN DOOR OR A SIDELIGHT IS PRESENT.
-R4 (RSI 0.70) WHERE A STORM DOOR IS NOT PROVIDED

(47) -GARAGE MAN DOORS TO BE GAS PROOFED WITH SELF CLOSER, WEATHERSTRIPPING, THRESHOLD & DEAD BOLT PER O.B.C. 9.10.13.15.
-R4 (RSI 0.70)

(48) -TRAVEL FROM A FLOOR LEVEL TO AN EXIT OR EGRESS DOOR SHALL BE LIMITED TO ONE FLOOR EXCEPT:
1) WHERE THAT FLOOR LEVEL HAS ACCESS TO A BALCONY
OR
2) WHERE THAT FLOOR LEVEL HAS A WINDOW PROVIDING AN UNOBSTRUCTED OPENING OF NOT LESS THAN 3'-3" (1000mm) IN HEIGHT AND 21 5/8" (550mm) IN WIDTH; SUCH WINDOW SHALL BE LOCATED SO THAT THE SILL IS NOT MORE THAN 3'-3" (1000mm) ABOVE FLOOR AND 23'-0" (7.0m) ABOVE ADJACENT GROUND LEVEL.

(49) **EXTERIOR COLUMN W/ MASONRY PIER:**
-MIN. 6"X6" (140mm X 140mm) WOOD POST ANCHORED TO PORCH SLAB W/ METAL SADDLE.
-TOP PORTION OF POST CLAD W/ DECOR. SURROUND PER ELEVATION DRAWINGS.
-MASONRY VENEER SURROUND W/ PRECAST CONCRETE CAP. REFER TO ELEVATION DRAWINGS FOR PIER SIZE AND CAP HEIGHT.
-SURROUND TO BE TIED W/ METAL TIES @ 16" (400mm) O.C. VERT. INSTALLED PER O.B.C. 9.20.9.4.
-3/4" AIR SPACE AROUND POST.

(49a) **EXTERIOR COLUMN:**
-MIN. 6"X6" (140mm X 140mm) WOOD POST CLAD W/ DECOR. SURROUND (PER ELEVATION DRAWINGS) ANCHORED TO PORCH SLAB W/ METAL SADDLE
NOTE: DECORATIVE STRUCTURAL COLUMNS MAY REPLACE 6" X 6" ABOVE PROVIDED THAT THEY ARE IN ACCORDANCE WITH [illegible]

(50) **COLD CELLARS:**
FOR COLD CELLARS PROVIDE THE FOLLOWING:
-VENTING AREA TO BE EQUIVALENT TO [illegible]
-COVER VENT W/ BUG SCREEN
-WALL MOUNTED LIGHT FIXTURE
-L1+L7 FOR DOOR OPENING
-2'-8" X 6'-8" EXTERIOR TYPE DOOR (MIN.R-4 RSI 0.7)
-INSULATE FULL HEIGHT OF INTERIOR BASEMENT WALL W/ MIN. R12 (RSI 2.11)

(51) **STUD WALL REINFORCEMENT:**
O.B.C. 9.5.2.3.
-WALL STUDS ADJACENT TO WATER CLOSETS & SHOWER BATH TUBS IN MAIN BATHROOM ARE TO BE REINFORCED TO PERMIT THE FUTURE INSTALLATION OF GRAB BARS AS PER O.B.C. 3.8.3.8.(3)(a)&(c) & 3.8.3.13.(2)(f) & 3.8.3.13.(4)(c)
-GRAB BARS TO BE INSTALLED AS PER O.B.C. 9.8.7.7.(2)

(52) **ELECTRICAL VEHICLE CHARGING REQUIREMENTS:**
- REFER TO OBC 9.34.4.1. FOR REQUIRMENTS (EFFECTIVE JANUARY 2018)

(53) **WINDOW GUARDS:**
@ STAIRS, LANDINGS & RAMPS - OBC 9.8.8.1.(8)
WINDOW SILL AT 3'-0" (900mm) OR GREATER DOES NOT REQUIRE GUARDS
@ FLOORS - OBC 9.8.8.1.(6)
WINDOWS LESS THAN 1'-7" (480mm) ABOVE FLOORS WHERE ADJACENT GRADE IS GREATER THAN 5'-11" (1800mm) REQUIRE A GUARD PER OBC 9.8.8.2.
- OR -
WINDOW TO BE NON-OPERABLE AND DESIGNED TO WITHSTAND LATERAL LOADS PER OBC 9.8.8.1.(8)(b)

FRAME CONSTRUCTION:
-ALL FRAMING LUMBER TO BE No.1 AND No. 2 SPF UNLESS NOTED OTHERWISE.
-ROOF LOADING IS BASED ON 1.5kPa SPECIFIED COMPOSITE SNOW AND RAIN LOADS.
-JOISTS TO HAVE MIN. 1-1/2" (38mm) END BEARING
-BEAMS TO HAVE MIN. 3-1/2" (89mm) END BEARING
-DOUBLE STUDS @ OPENINGS
-DOUBLE HEADER JOISTS AROUND FLOOR OPENINGS WHEN THEY ARE BETWEEN 3'-11" (1200mm) AND 10'-6" (3200mm)
-DOUBLE TRIMMER JOISTS WHEN HEADER JOIST LENGTH IS BETWEEN 2'-7" (800mm) AND 6'-7" (2000mm)
-DOUBLE JOISTS OR SOLID BLOCKING UNDER NON-LOAD BEARING PARALLEL PARTITIONS
-BEAMS TO BE PLACED UNDER LOADBEARING WALLS WHEN WALLS ARE PARALLEL TO FLOOR JOISTS
-BEAMS MAY BE A MAX. 24" (600mm) FROM LOADBEARING WALLS WHEN WALLS ARE PERPENDICULAR TO FLOOR JOISTS
-APPROVED METAL HANGERS TO BE USED FOR JOISTS AND BEAMS WHEN THEY FRAME INTO SIDES OF BEAMS, TRIMMERS AND HEADERS
-FLOOR JOISTS SUPPORTING ROOF LOADS SHALL NOT BE CANTILEVERED MORE THAN 15 3/4" (400mm) BEYOND SUPPORTS FOR 2" X 8" (38mm X 184mm)
-FLOOR JOISTS SUPPORTING ROOF LOADS SHALL NOT BE CANTILEVERED MORE THAN 23 5/8" (600mm) BEYOND SUPPORTS FOR 2" X 10" (38mm X 235mm) OR LARGER.

WATERPROOF WALLS IN BATHROOMS:
-REQUIRED AS PER OBC 9.29.2.1.

WINDOWS:
-WINDOWS TO BE SEALED TO THE AIR & VAPOR BARRIER
-WINDOWS THAT SEPARATE HEATED SPACE FROM UNHEATED SPACE SHALL HAVE AN OVERALL COEFFICIENT OF HEAT TRANSFER OF 1.6 W/(m2.K) OR
-AN ENERGY RATING OF NOT LESS THAN 25 FOR WINDOWS
-BASEMENT WINDOWS WITH LOAD BEARING STRUCTURAL FRAME SHALL BE DOUBLE GLAZED WITH LOW-E COATING
-SKYLIGHTS SHALL HAVE AN OVERALL COEFFICIENT OF HEAT TRANSFER OF 2.8 W/(m2.K)
-FOR GROSS GLAZED AREAS LESS THAN AND EQUAL TO 17%

DRAIN WATER HEAT RECOVERY:
- DWHR UNITS TO BE INSTALLED AS PER OBC SB-12 3.1.1.1.(22) & 3.1.1.12. SENTENCES (1) TO (6)
- DWHR ARE REQUIRED IN ALL DWELLING UNITS TO RECEIVE DRAIN WATER FROM ALL SHOWERS OR FROM AT LEAST 2 SHOWERS WHERE THERE ARE 2 OR MORE SHOWERS PROVIDED THERE IS A CRAWL SPACE OR STOREY BELOW THE SHOWERS.

WSP WSP CANADA INC

LICENSED PROFESSIONAL ENGINEER
R. J. C. GOHLICH
100502549
Nov 27, 2019
PROVINCE OF ONTARIO

FOR STRUCTURAL ONLY, EXCLUDING ENGINEERED ROOF TRUSS, FLOOR JOIST AND FLOOR LVL BEAM DESIGN

CITY OF BRAMPTON BUILDING DIVISION REVIEWED
DEC 10 2019
BY MARY FRENETTE

RN DESIGN

WWW.RNDESIGN.COM
Tel: 905-738-3177
WWW.THEPLUSGROUP.CA

I, JORGE MORENO DECLARE THAT I HAVE REVIEWED AND TAKEN DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF **RN DESIGN LTD**, UNDER DIVISION C,PART-3 SUBSECTION-3.2.4 OF THE BUILDING CODE. I AM QUALIFIED AND THE FIRM IS REGISTERED IN THE APPROPRIATE CLASSES / CATEGORIES.

QUALIFIED DESIGNER BCIN:	47245
FIRM BCIN:	26995
DATE:	27-NOV-19

SIGNATURE:

It is the builder's complete responsibility to ensure that all plans submitted for approval fully comply with the Architectural Guidelines and all applicable regulations and requirements including zoning provisions and any provisions in the subdivision agreement. The Control Architect is not responsible in any way for examining or approving site (lotting) plans or working drawings with respect to any zoning or building code or permit matter or that any house can be properly built or located on its lot.

This is to certify that these plans comply with the applicable Architectural Design Guidelines approved by the City of BRAMPTON.

Engineered floor joists shall be installed in accordance with the supplier's layout and specifications forming part of the permit drawings.

For conventional wood framing framing shall conform to OBC 9.23

#	revisions	date	dwn	chk
1	ISSUED FOR CLIENT REVIEW	20-SEPT-19	KH	JM
2	REVISED PER FLOOR/TRUSS COORD	31-Oct-19	JM	JM
3	ISSUED FOR ENGINEER REVIEW	31-Oct-19	JM	JM
4	REVISED PER ENG. COMMENTS	19-Nov-19	JM	JM
5	ISSUED FOR PERMIT	27-Nov-19	JM	JM

All work shall conform to the Ontario Building Code O. Reg. 332/12 as amended

client
Gold Park Homes

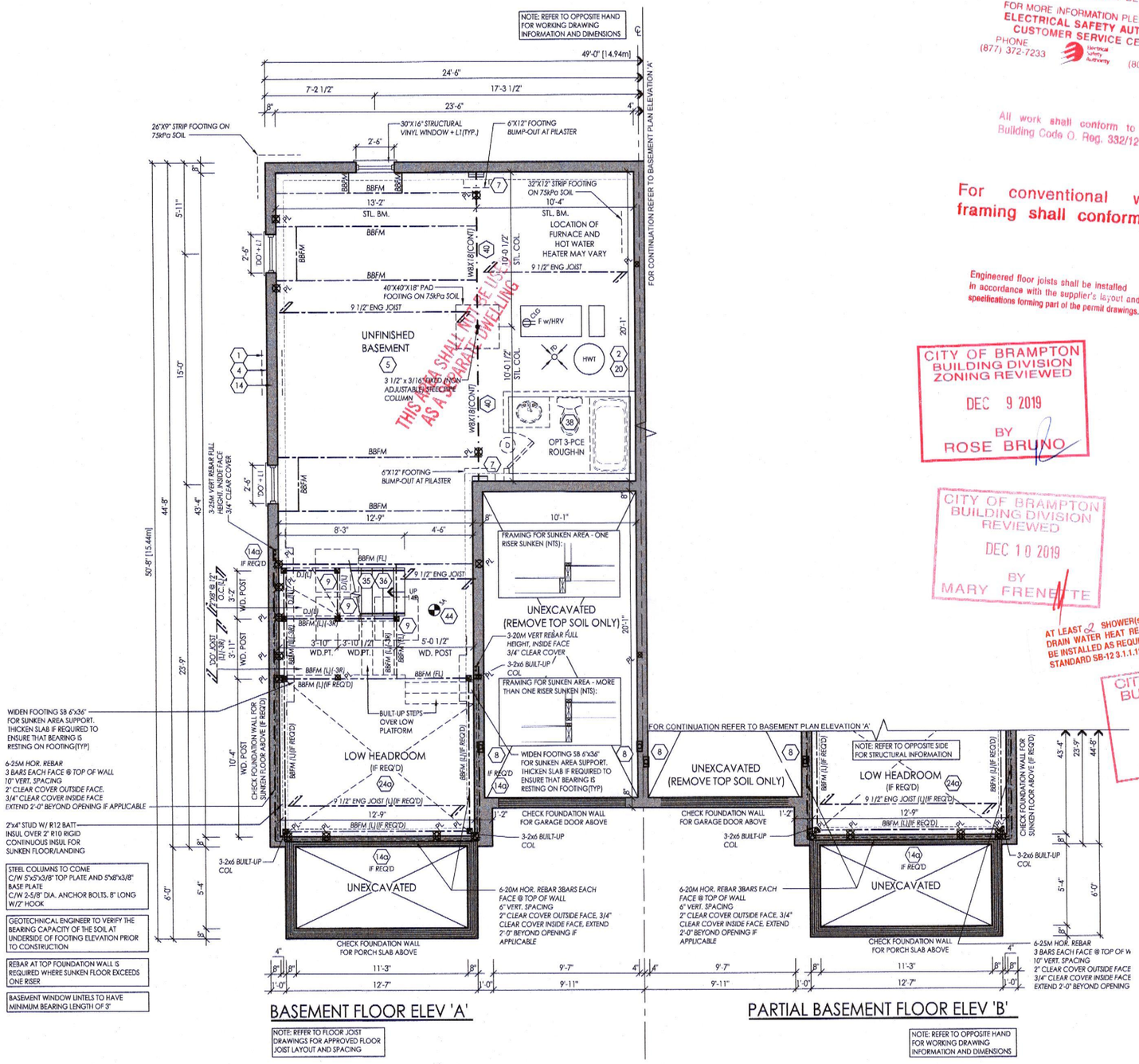
project
ENCORE 2
Brampton

model
SD-09
THE GERSHWIN

project #
19037

scale
3/16" = 1'-0"

page
A0



ALL ELECTRICAL INSTALLATIONS MUST BE INSPECTED BY THE ELECTRICAL SAFETY AUTHORITY. SEPARATE INSPECTION APPLICATIONS MUST BE FILED.

FOR MORE INFORMATION PLEASE CALL ELECTRICAL SAFETY AUTHORITY CUSTOMER SERVICE CENTRE
PHONE (877) 372-7233
FAX (800) 667-4278

All work shall conform to the Ontario Building Code O. Reg. 332/12 as amended

For conventional wood framing framing shall conform to OBC.9.23

Engineered floor joists shall be installed in accordance with the supplier's layout and specifications forming part of the permit drawings.

CITY OF BRAMPTON BUILDING DIVISION ZONING REVIEWED
DEC 9 2019
BY ROSE BRUNO

CITY OF BRAMPTON BUILDING DIVISION REVIEWED
DEC 10 2019
BY MARY FRENETTE

AT LEAST 2 SHOWER(s) SHALL BE CONNECTED TO DRAIN WATER HEAT RECOVERY UNIT(s) AND SHALL BE INSTALLED AS REQUIRED BY MMA SUPLEMENTARY STANDARD SB-12 3.1.1.12.

CITY OF BRAMPTON BUILDING DIVISION REVIEWED
DEC 12 2019
BY MONICA CRISAN

RN DESIGN

WWW.RNDESIGN.COM
Tel: 905-738-3177
WWW.THEPLUSGROUP.CA

I, JORGE MORENO DECLARE THAT I HAVE REVIEWED AND TAKEN DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF **RN DESIGN LTD.** UNDER DIVISION C, PART 3 SUBSECTION 3.2.4 OF THE BUILDING CODE. I AM QUALIFIED AND THE FIRM IS REGISTERED IN THE APPROPRIATE CLASSES / CATEGORIES.

QUALIFIED DESIGNER BCIN: 47245
FIRM BCIN: 26995
DATE: 27-NOV-19

SIGNATURE:

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JOHN G. WILLIAMS LTD., ARCHITECT
ARCHITECTURAL CONTROL REVIEW AND APPROVAL
APPROVED BY:
DATE: NOV 26, 2019
This stamp certifies compliance with the applicable Design Guidelines only and bears no further professional responsibility.

WSP CANADA INC.

LICENSED PROFESSIONAL ENGINEER
R. J. C. GOHLICH
100502549
NOV 27,2019
PROVINCE OF ONTARIO

FOR STRUCTURAL ONLY, EXCLUDING ENGINEERED ROOF TRUSS, FLOOR JOIST AND FLOOR LVL BEAM DESIGN

#	revisions	date	dwn	chk
1	ISSUED FOR CLIENT REVIEW	20-SEPT-19	KH	JM
2	REVISED PER FLOOR/TRUSS COORD	31-Oct-19	JM	JM
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4	REVISED PER ENG. COMMENTS	19-Nov-19	JM	JM
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client
Gold Park Homes

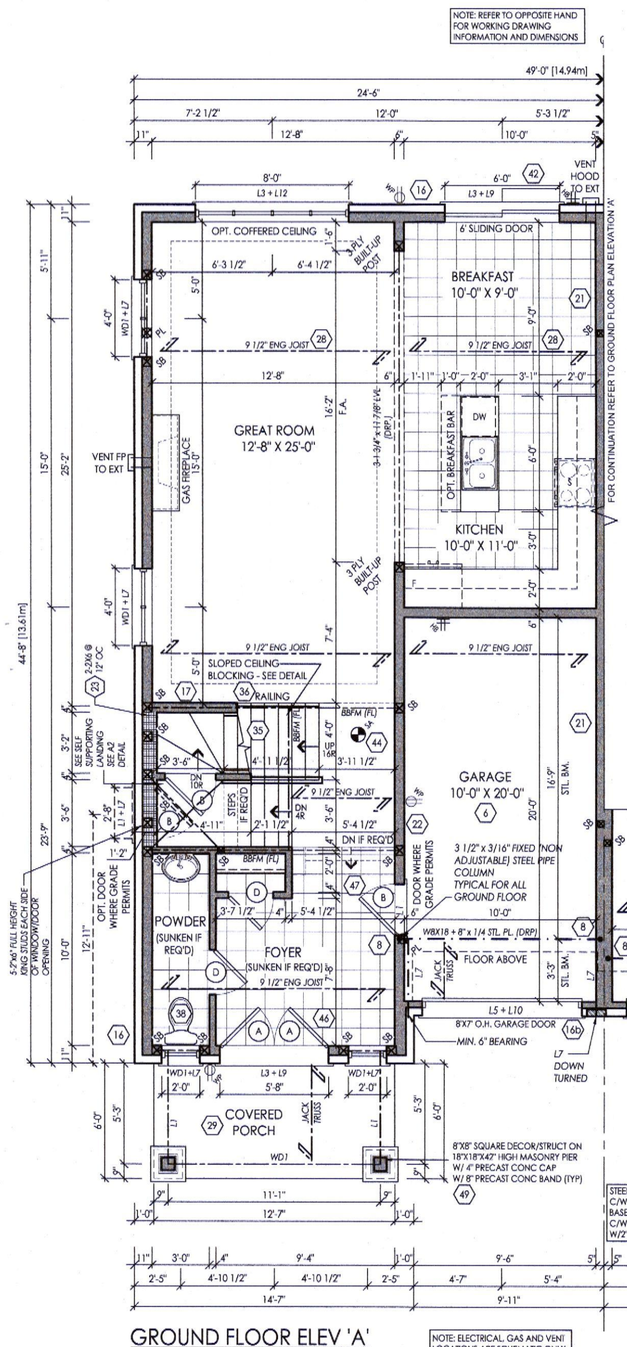
project
ENCORE 2
Brampton

model
SD-09
THE GERSHWIN

project #
19037

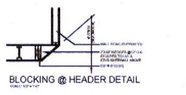
scale
3/16" = 1'-0"

page
A1



GROUND FLOOR ELEV 'A'

PARTIAL GROUND FLOOR ELEV 'B'



BLOCKING @ HEADER DETAIL

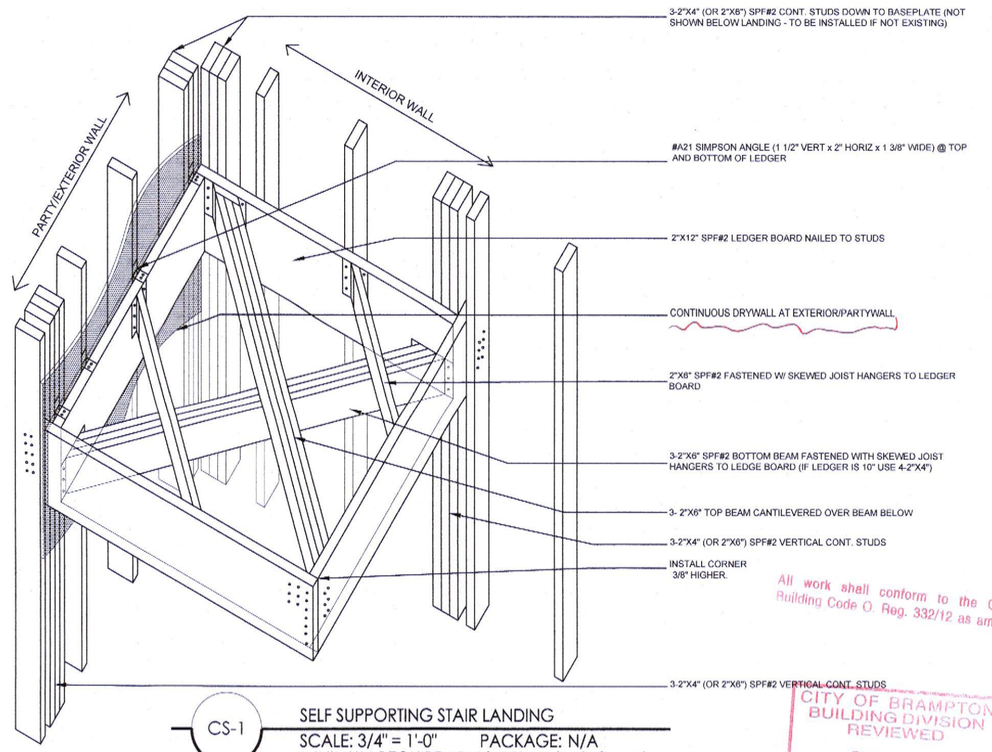
NOTE: ELECTRICAL, GAS AND VENT LOCATIONS ARE SCHEMATIC ONLY, TO BE COORDINATED WITH ELECTRICAL AND MECHANICAL DRAWINGS BY THE CONTRACTOR

NOTE: REFER TO FLOOR JOIST DRAWINGS FOR APPROVED FLOOR JOIST LAYOUT AND SPACING

NOTE: REFER TO TRUSS DRAWINGS FOR APPROVED TRUSS LAYOUT

NOTE: CONC FRONT PORCH POURED PRIOR TO BRICK

NOTE: STEEL BEAM SUPPORTING FLOOR ABOVE TO BE DROPPED UNLESS NOTED OTHERWISE



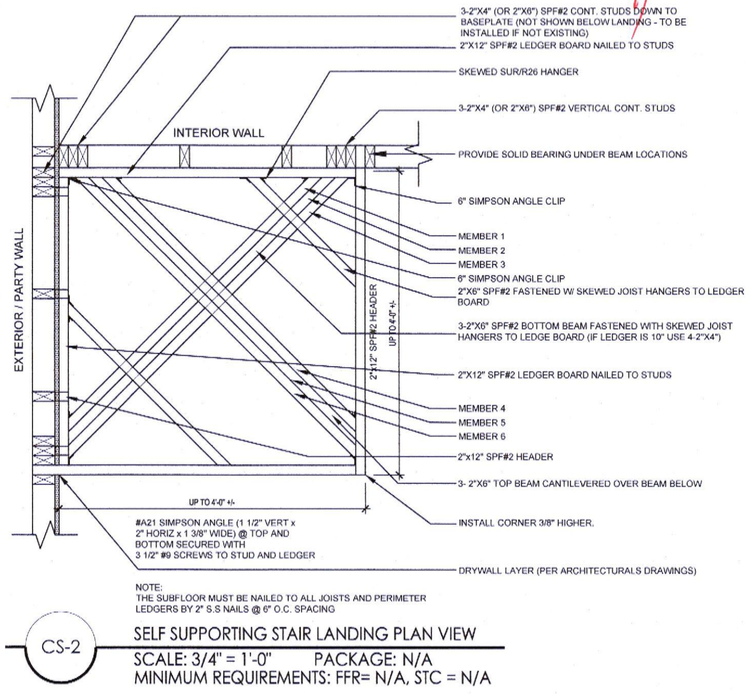
CS-1

SELF SUPPORTING STAIR LANDING

SCALE: 3/4" = 1'-0" PACKAGE: N/A
MINIMUM REQUIREMENTS: FFR= N/A, STC = N/A

All work shall conform to the Ontario Building Code O. Reg. 332/12 as amended

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 19 2019
BY
MARY FRENETTE



NOTE:
THE SUBFLOOR MUST BE NAILED TO ALL JOISTS AND PERIMETER LEDGERS BY 2" S.S NAILS @ 6" O.C. SPACING

CS-2

SELF SUPPORTING STAIR LANDING PLAN VIEW

SCALE: 3/4" = 1'-0" PACKAGE: N/A
MINIMUM REQUIREMENTS: FFR= N/A, STC = N/A

RN DESIGN
WWW.RNDESIGN.COM
Tel: 905-738-3177
WWW.THEPLUSGROUP.CA

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QUALIFIED DESIGNER BCIN: 47245
FIRM BCIN: 26995
DATE: 27-NOV-19

SIGNATURE:

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ARCHITECTURAL CONTROL REVIEW AND APPROVAL
APPROVED BY:
DATE NOV 28, 2019
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WSP CANADA INC.

LICENSED PROFESSIONAL ENGINEER
R. J. C. GOHLICH
100502549
Nov 27, 2019
PROVINCE OF ONTARIO

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client
Gold Park Homes

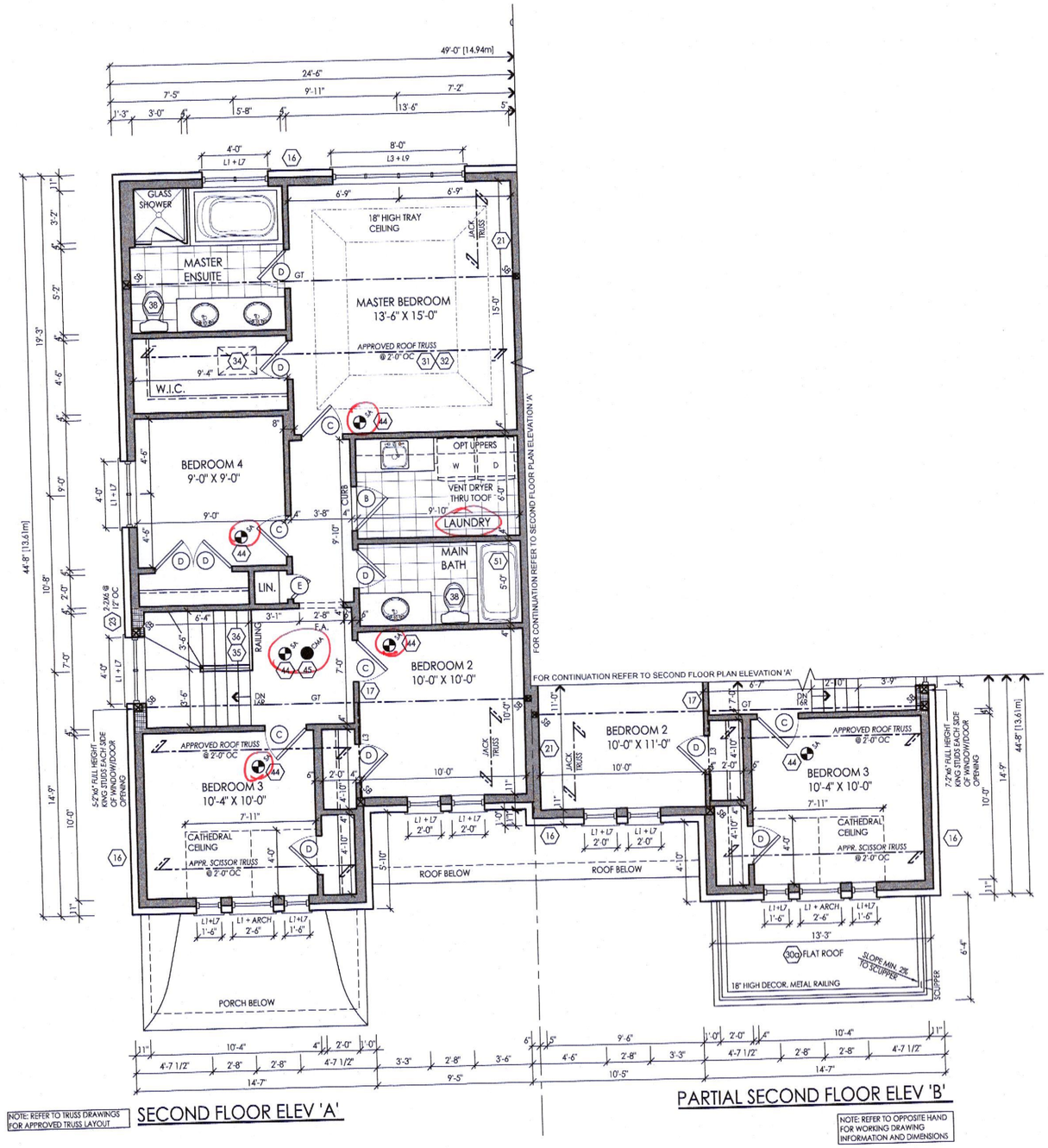
project
ENCORE 2
Brampton

model
SD-09
THE GERSHWIN

project #
19037

scale
3/16" = 1'-0"

page
A2



NOTE: REFER TO TRUSS DRAWINGS FOR APPROVED TRUSS LAYOUT

NOTE: REFER TO OPPOSITE HAND FOR WORKING DRAWING INFORMATION AND DIMENSIONS

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 19 2019
BY
MARY FRENETTE

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client
Gold Park Homes

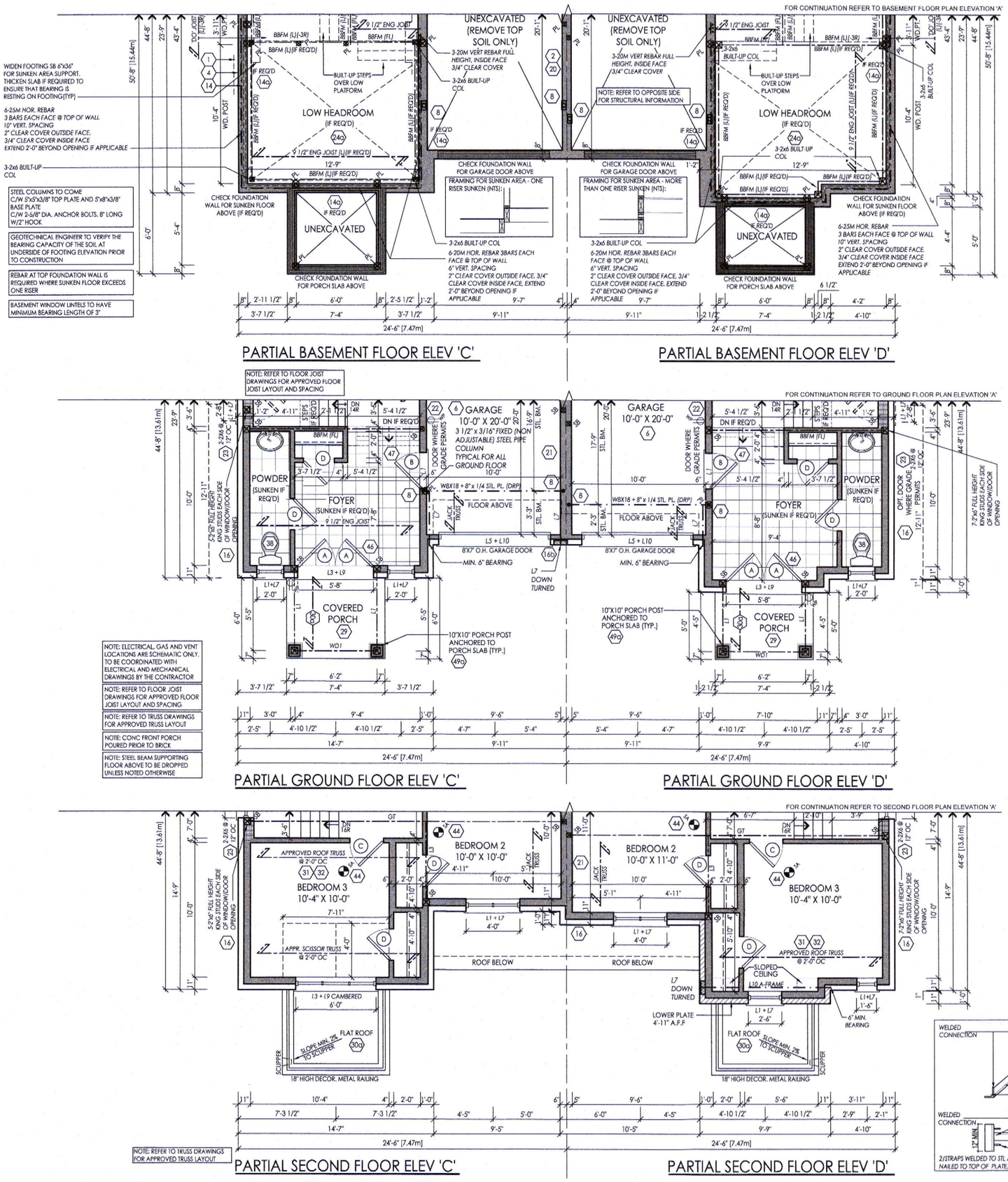
project
ENCORE 2
Brampton

model
SD-09
THE GERSHWIN

project # 19037

scale 3/16" = 1'-0"

page
A3



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ARCHITECTURAL CONTROL REVIEW AND APPROVAL
APPROVED BY:
DATE: NOV 29, 2019
This stamp certifies compliance with the applicable Design Guidelines only and bears no further professional responsibility.

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 10 2019
BY
MARY FRENETTE

All work shall conform to the Ontario Building Code O. Reg. 332/12 as amended

WSP CANADA INC.

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R. J. C. GOHLICH
100502549
NOV 27, 2019
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client
Gold Park Homes

project
ENCORE 2
Brampton

model
SD-09
THE GERSHWIN

project #
19037

scale
3/16" = 1'-0"

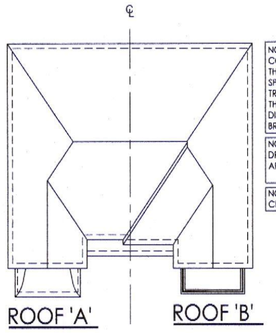
page
A4

GROSS GLAZING AREA-ELEV A

TOTAL PERIPHERAL WALL AREA	2674.09 SF	248.43 m²
FRONT GLAZING AREA	80.16 SF	7.45 m²
LEFT SIDE GLAZING AREA	0.00 SF	0.00 m²
RIGHT SIDE GLAZING AREA	72.67 SF	6.75 m²
REAR GLAZING AREA	130.33 SF	12.11 m²
TOTAL GLAZING AREA	283.16 SF	26.31 m²
TOTAL GLAZING PERCENTAGE	10.59 %	

GROSS GLAZING AREA-ELEV B

TOTAL PERIPHERAL WALL AREA	2694.09 SF	250.28 m²
FRONT GLAZING AREA	80.16 SF	7.45 m²
LEFT SIDE GLAZING AREA	0.00 SF	0.00 m²
RIGHT SIDE GLAZING AREA	72.67 SF	6.75 m²
REAR GLAZING AREA	130.33 SF	12.11 m²
TOTAL GLAZING AREA	283.16 SF	26.31 m²
TOTAL GLAZING PERCENTAGE	10.51 %	



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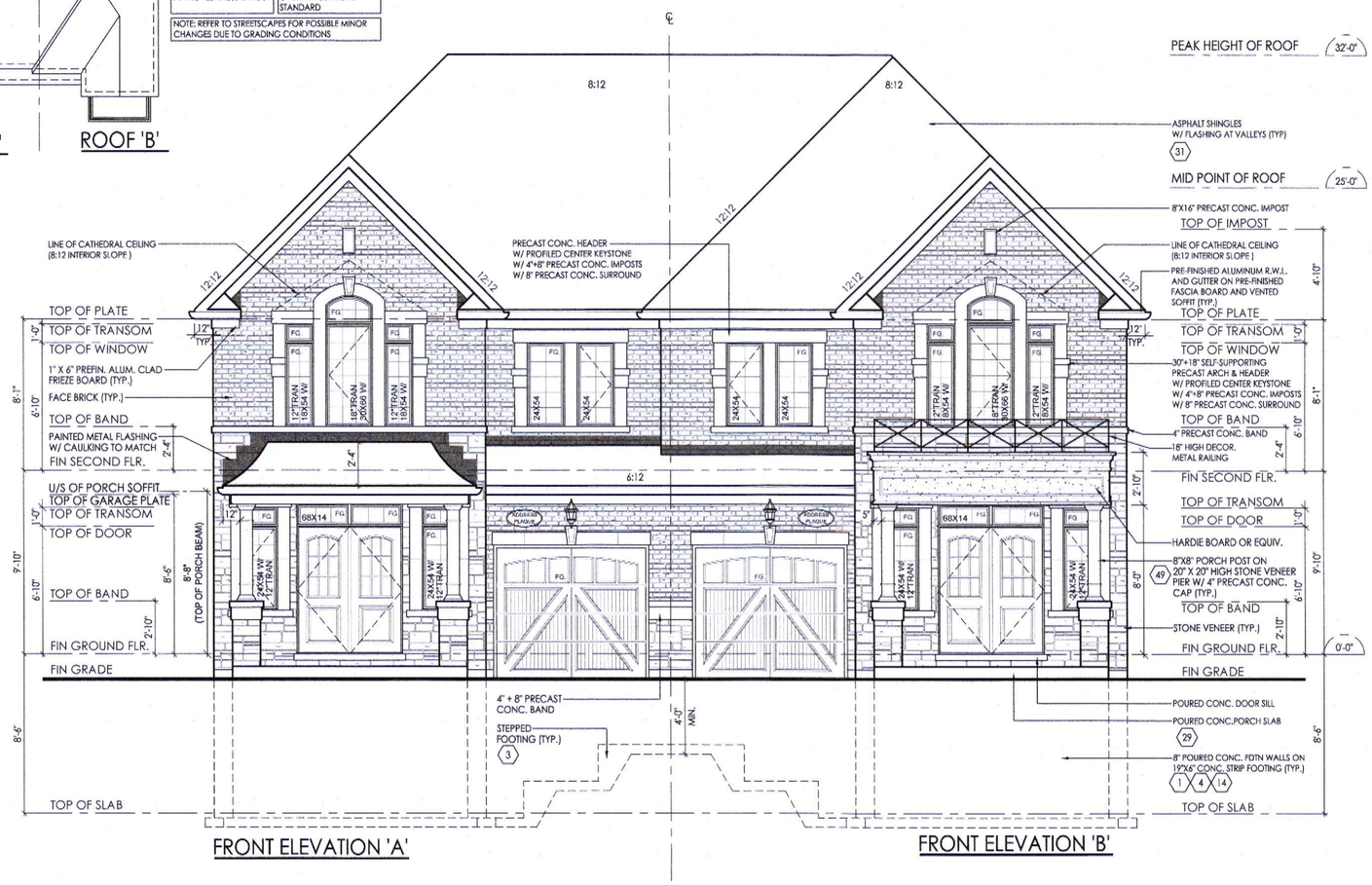
NOTE: REFER TO TRUSS DRAWINGS FOR APPROVED TRUSS LAYOUT

NOTE: UNLESS OTHERWISE NOTED, ROOF OVERHANGS ARE 12" STANDARD

NOTE: REFER TO STREETSCAPES FOR POSSIBLE MINOR CHANGES DUE TO GRADING CONDITIONS



FRONT ELEVATION 'A'

FRONT ELEVATION 'B'

CITY OF BRAMPTON
BUILDING DIVISION
ZONING REVIEWED
DEC 9 2019
BY
ROSE BRUNO

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 10 2019
BY
MARY FRENETTE

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RN DESIGN

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QUALIFIED DESIGNER BCIN: 47245
FIRM BCIN: 26995
DATE: 27-NOV-19

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client
Gold Park Homes

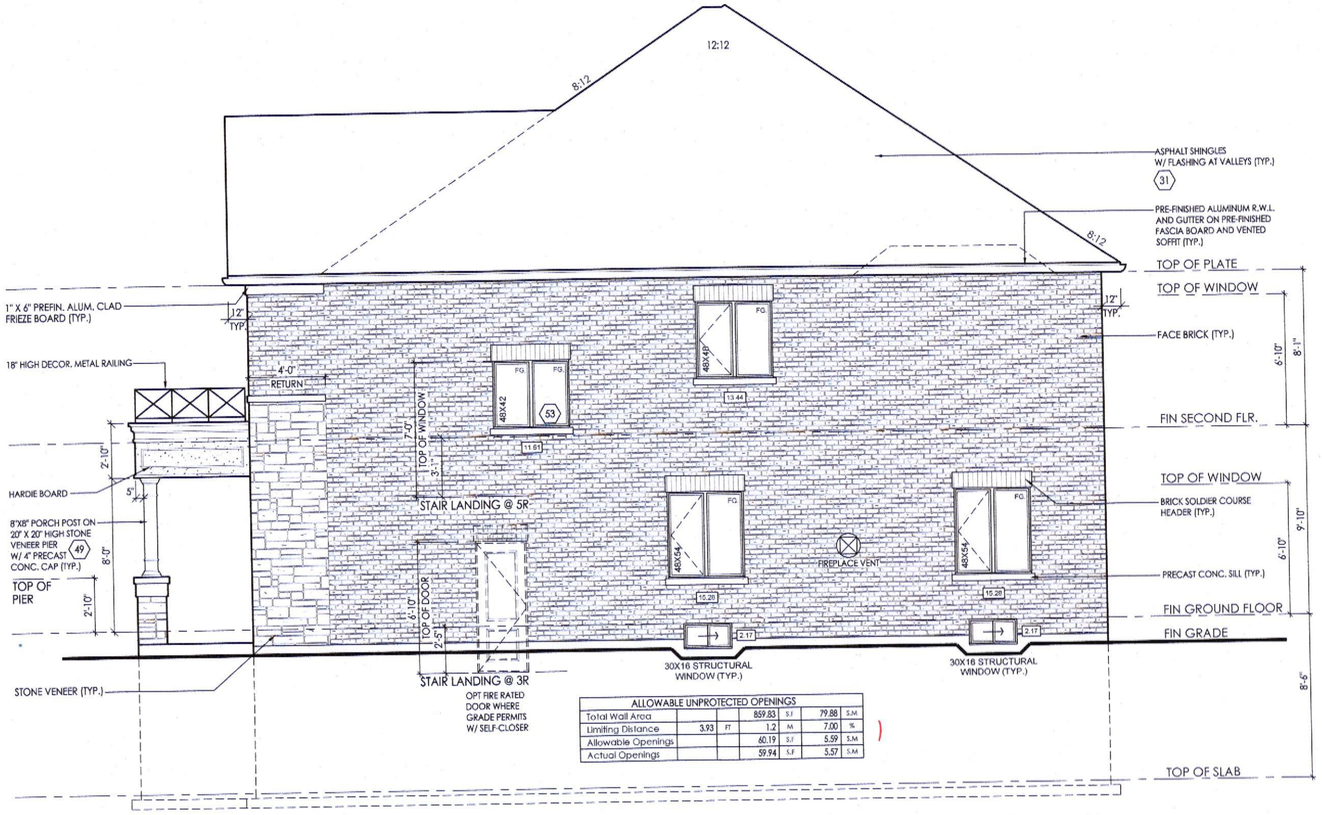
project
ENCORE 2
Brampton

model
SD-09
THE GERSHWIN

project # 19037

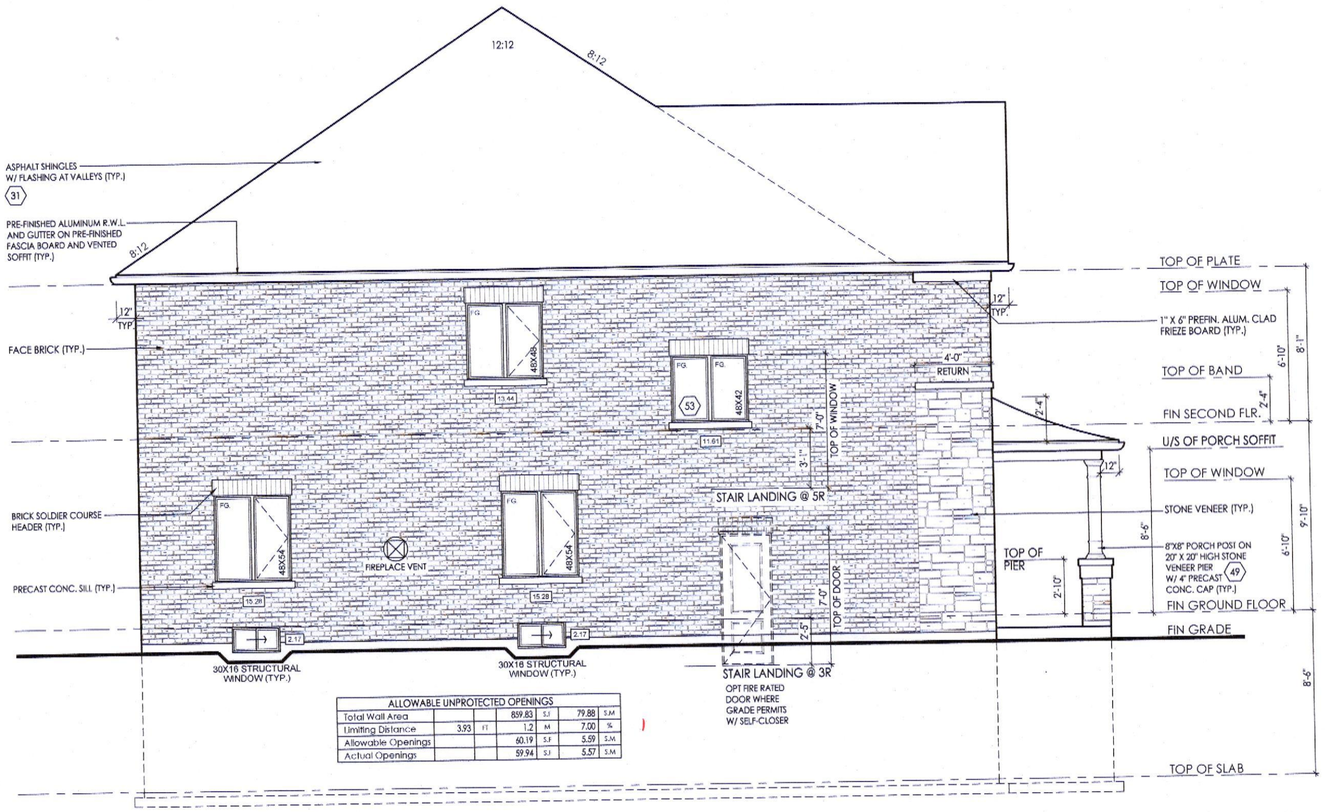
scale 3/16" = 1'-0"

page
A5



ALLOWABLE UNPROTECTED OPENINGS						
Total Wall Area			859.83	S.F.	79.88	S.M.
Limiting Distance	3.93	FT.	1.2	M.	7.00	%
Allowable Openings			60.19	S.F.	5.59	S.M.
Actual Openings			59.94	S.F.	5.57	S.M.

RIGHT SIDE ELEVATION 'B'



ALLOWABLE UNPROTECTED OPENINGS						
Total Wall Area			859.83	S.F.	79.88	S.M.
Limiting Distance	3.93	FT.	1.2	M.	7.00	%
Allowable Openings			60.19	S.F.	5.59	S.M.
Actual Openings			59.94	S.F.	5.57	S.M.

LEFT SIDE ELEVATION 'A'

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 10 2019
BY
MARY FRENETTE

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RN DESIGN

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QUALIFIED DESIGNER BCIN: 47345
FIRM BCIN: 26995
DATE: 27-NOV-19

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client
Gold Park Homes

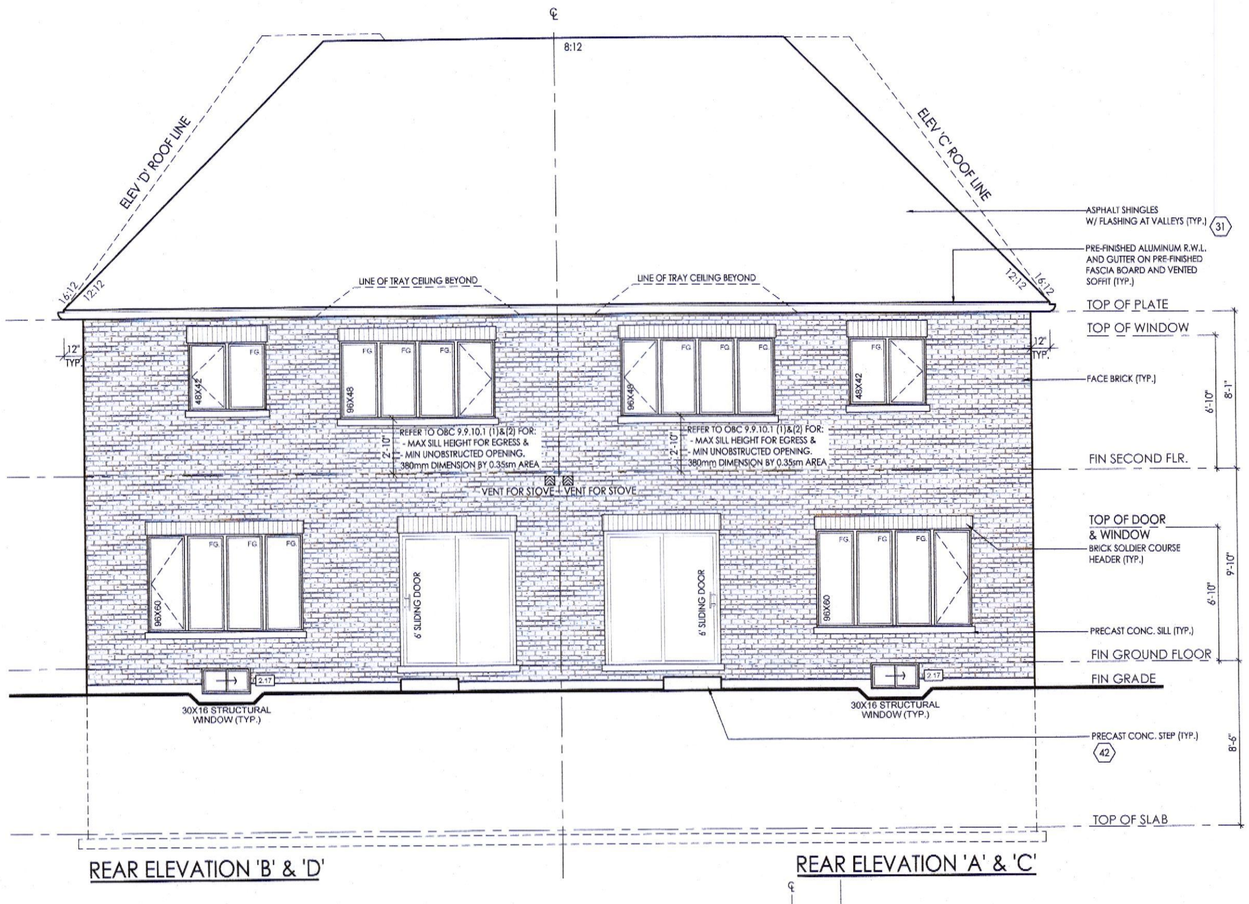
project
ENCORE 2
Brampton

model
SD-09
THE GERSHWIN

project #
19037

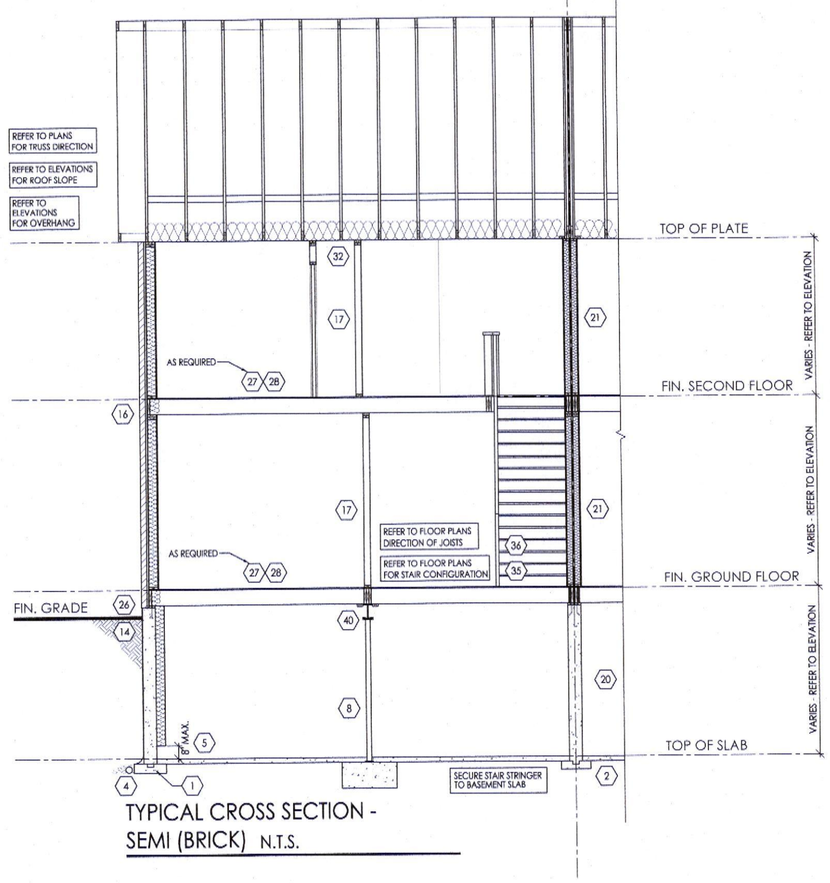
scale
3/16" = 1'-0"

page
A6



REAR ELEVATION 'B' & 'D'

REAR ELEVATION 'A' & 'C'



TYPICAL CROSS SECTION -
SEMI (BRICK) N.T.S.

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 10 2019
BY
MARY FRENETTE

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Brampton

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project # 19037

scale 3/16" = 1'-0"

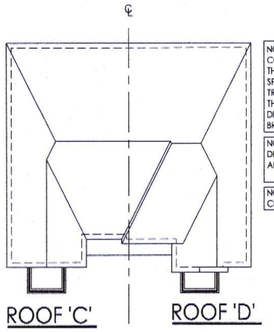
page
A7

GROSS GLAZING AREA-ELEV 'C'

TOTAL PERIPHERAL WALL AREA	2674.09 SF	248.43 m²
FRONT GLAZING AREA	123.34 SF	11.46 m²
LEFT SIDE GLAZING AREA	72.67 SF	6.75 m²
RIGHT SIDE GLAZING AREA	0.00 SF	0.00 m²
REAR GLAZING AREA	130.33 SF	12.11 m²
TOTAL GLAZING AREA	326.34 SF	30.32 m²
TOTAL GLAZING PERCENTAGE	12.20 %	

GROSS GLAZING AREA-ELEV D

TOTAL PERIPHERAL WALL AREA	2712.59 SF	252.01 m²
FRONT GLAZING AREA	54.11 SF	5.03 m²
LEFT SIDE GLAZING AREA	72.67 SF	6.75 m²
RIGHT SIDE GLAZING AREA	0.00 SF	0.00 m²
REAR GLAZING AREA	130.33 SF	12.11 m²
TOTAL GLAZING AREA	257.11 SF	23.89 m²
TOTAL GLAZING PERCENTAGE	9.48 %	



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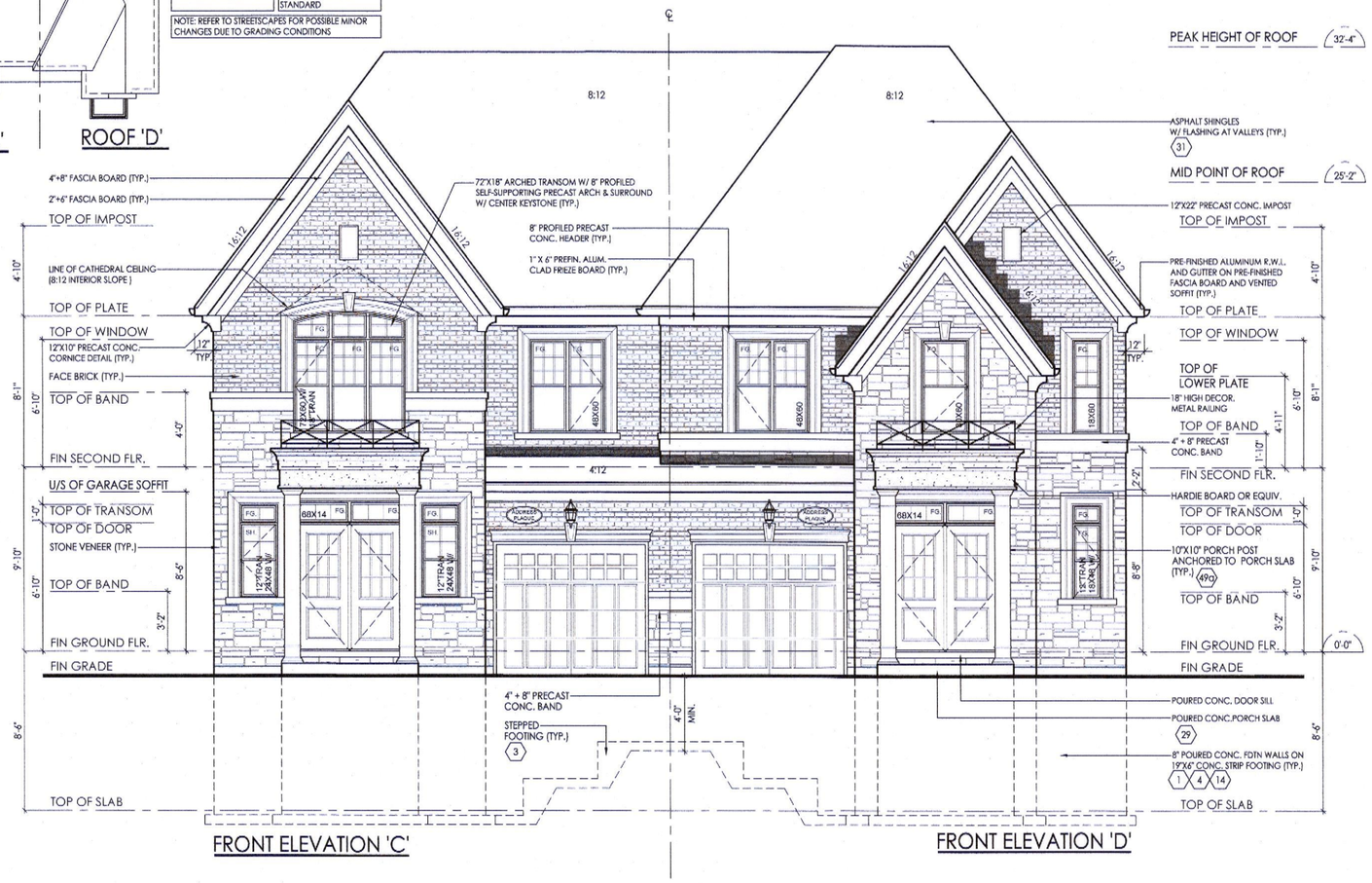
NOTE: REFER TO TRUSS DRAWINGS FOR APPROVED TRUSS LAYOUT

NOTE: UNLESS OTHERWISE NOTED, ROOF OVERHANGS ARE 12" STANDARD

NOTE: REFER TO STREETSCAPES FOR POSSIBLE MINOR CHANGES DUE TO GRADING CONDITIONS



FRONT ELEVATION 'C'

FRONT ELEVATION 'D'

CITY OF BRAMPTON BUILDING DIVISION ZONING REVIEWED DEC 9 2019 BY ROSE BRUNO

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CITY OF BRAMPTON BUILDING DIVISION REVIEWED DEC 19 2019 BY MARY FRENETTE

RN DESIGN

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Tel: 905-738-3177
WWW.THEPLUSGROUP.CA

I, JORGE MORENO DECLARE THAT I HAVE REVIEWED AND TAKEN DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF **RN DESIGN LTD.** UNDER DIVISION C, PART-3 SUBSECTION-3.2.4 OF THE BUILDING CODE. I AM QUALIFIED AND THE FIRM IS REGISTERED IN THE APPROPRIATE CLASSES / CATEGORIES.

QUALIFIED DESIGNER BCIN: 47245
FIRM BCIN: 26995
DATE: 27-NOV-19

SIGNATURE:

It is the builder's complete responsibility to ensure that all plans submitted for approval fully comply with the Architectural Guidelines and all applicable regulations and requirements including zoning provisions and any provisions in the subdivision agreement. The Control Architect is not responsible in any way for examining or approving site (lotting) plans or working drawings with respect to any zoning or building code or permit matter or that any house can be properly built or located on its lot.

This is to certify that these plans comply with the applicable Architectural Design Guidelines approved by the City of BRAMPTON.

JOHN G. WILLIAMS LTD., ARCHITECT
ARCHITECTURAL CONTROL REVIEW AND APPROVAL
APPROVED BY:
DATE: NOV 26, 2019
This stamp certifies compliance with the applicable Design Guidelines only and bears no further professional responsibility.

#	revisions	date	dwn	chk
1	ISSUED FOR CLIENT REVIEW	20-SEPT-19	KH	JM
5	ISSUED FOR PERMIT	27-Nov-19	JM	JM

client
Gold Park Homes

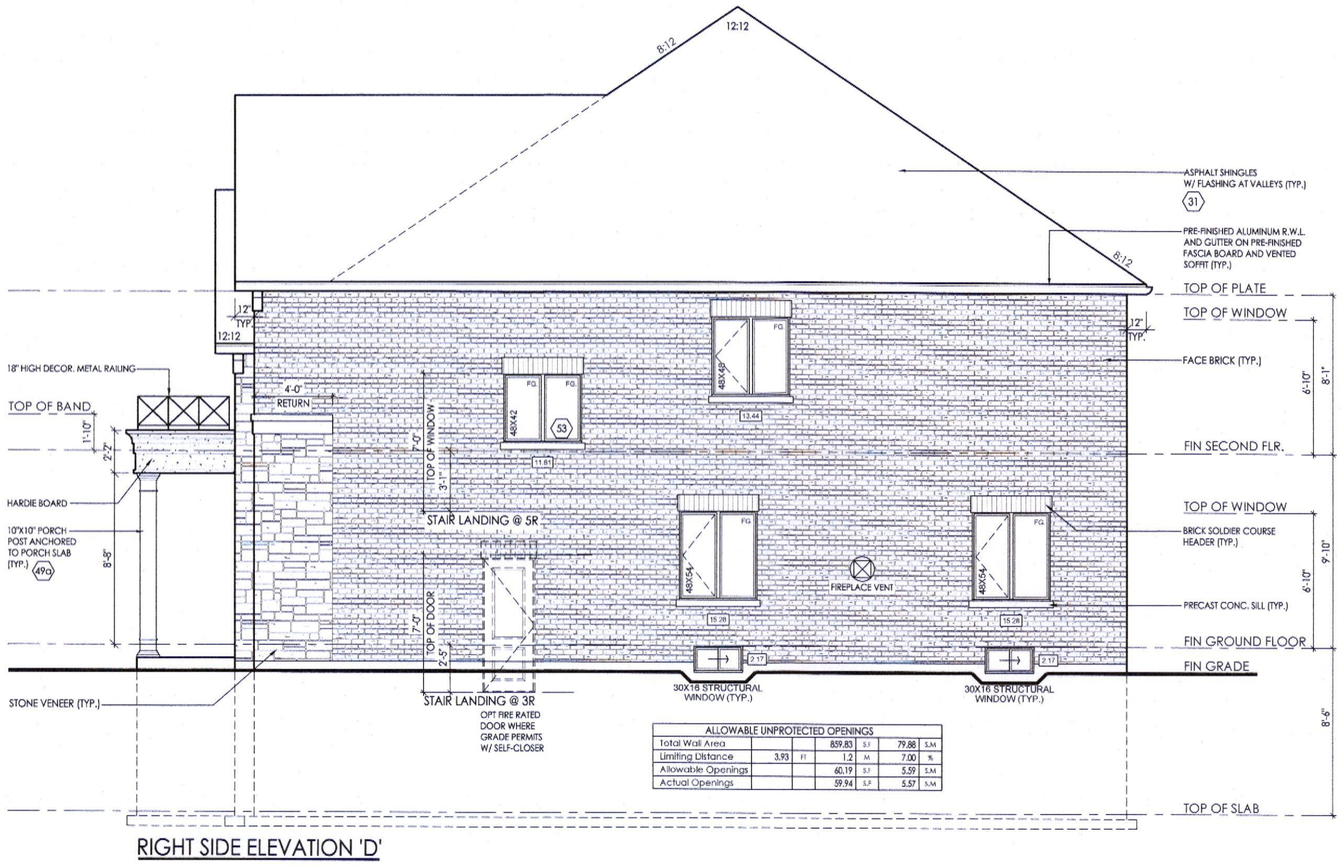
project
ENCORE 2
Brampton

model
SD-09
THE GERSHWIN

project # 19037

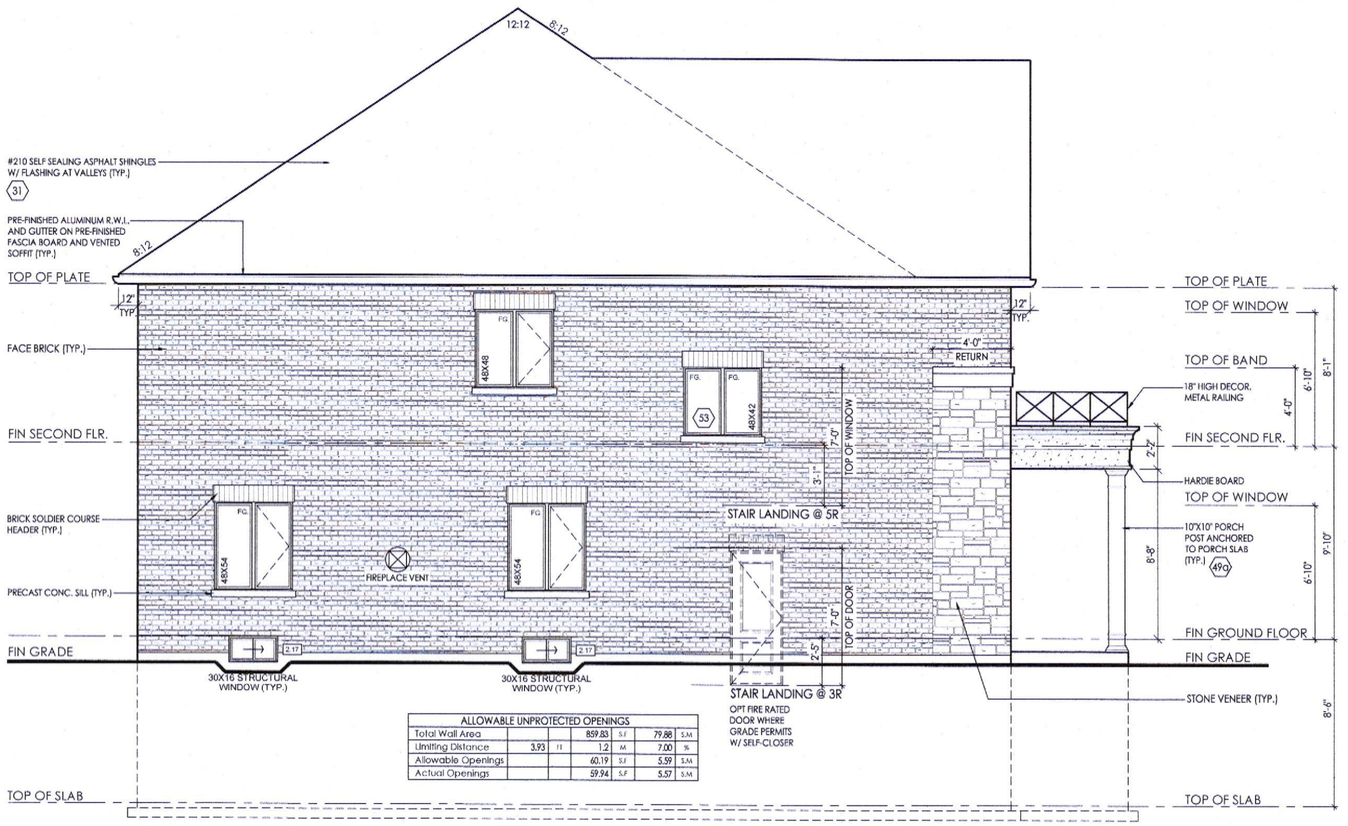
scale 3/16" = 1'-0"

page
A8



ALLOWABLE UNPROTECTED OPENINGS						
Total Wall Area			859.83	S.F	79.88	S.M
Limiting Distance	3.93	FT	1.2	M	7.00	%
Allowable Openings			60.19	S.F	5.59	S.M
Actual Openings			59.94	S.F	5.57	S.M

RIGHT SIDE ELEVATION 'D'



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LEFT SIDE ELEVATION 'C'

All work shall conform to the Ontario Building Code O. Reg. 332/12 as amended

CITY OF BRAMPTON
BUILDING DIVISION
REVIEWED
DEC 1[illegible] 2019
MARY [illegible]ENETTE

RN DESIGN

WWW.RNDESIGN.COM
Tel: 905-738-3177
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