



ELEVATION 'A'

ELEVATION 'B'

UNIT 2003 - 'THE STAR FLOWER'

SB-12 ENERGY EFFICIENCY DESIGN MATRIX

PERFORMANCE COMPLIANCE	SPACE HEATING FUEL	
	<input type="checkbox"/> GAS	<input type="checkbox"/> OIL
	<input type="checkbox"/> ELECTRIC	<input type="checkbox"/> PROPANE
	<input type="checkbox"/> EARTH	<input type="checkbox"/> SOLID FUEL
BUILDING COMPONENT	PROPOSED	
INSULATION RSI (R) VALUE		
CEILING W/ ATTIC SPACE	10.56 (R60)	
CEILING W/O ATTIC SPACE	5.46 (R31)	
EXPOSED FLOOR	5.46 (R31)	
WALLS ABOVE GRADE	3.87 (R22) + 1.5ci	
BASEMENT WALLS	R20 Blanket or R12+R10ci	
BELOW GRADE SLAB ENTIRE SURFACE > 600mm BELOW GRADE	-	
EDGE OF BELOW GRADE SLAB ≤ 600mm BELOW GRADE	1.76 (R10)	
HEATED SLAB ≤ 600mm BELOW GRADE	1.76 (R10)	
CONC. SLAB ≤ 600mm BELOW GRADE	1.76 (R10)	
WINDOWS & DOORS		
WINDOWS/SLIDING GLASS DOORS (MAX U-VALUE or MIN. ER)	1.6	
SKYLIGHTS (MAX. U-VALUE)	2.8	
APPLIANCE EFFICIENCY		
SPACE HEATING EQUIP. (AFUE%)	Combo 95% AFUE GLOW C140	
HRV EFFICIENCY (%)	75%	
DOMESTIC HOT WATER HEATER (EF)	0.84	
DWHR UNIT (%)	53.3% ON 1 SHOWERS MIN.	

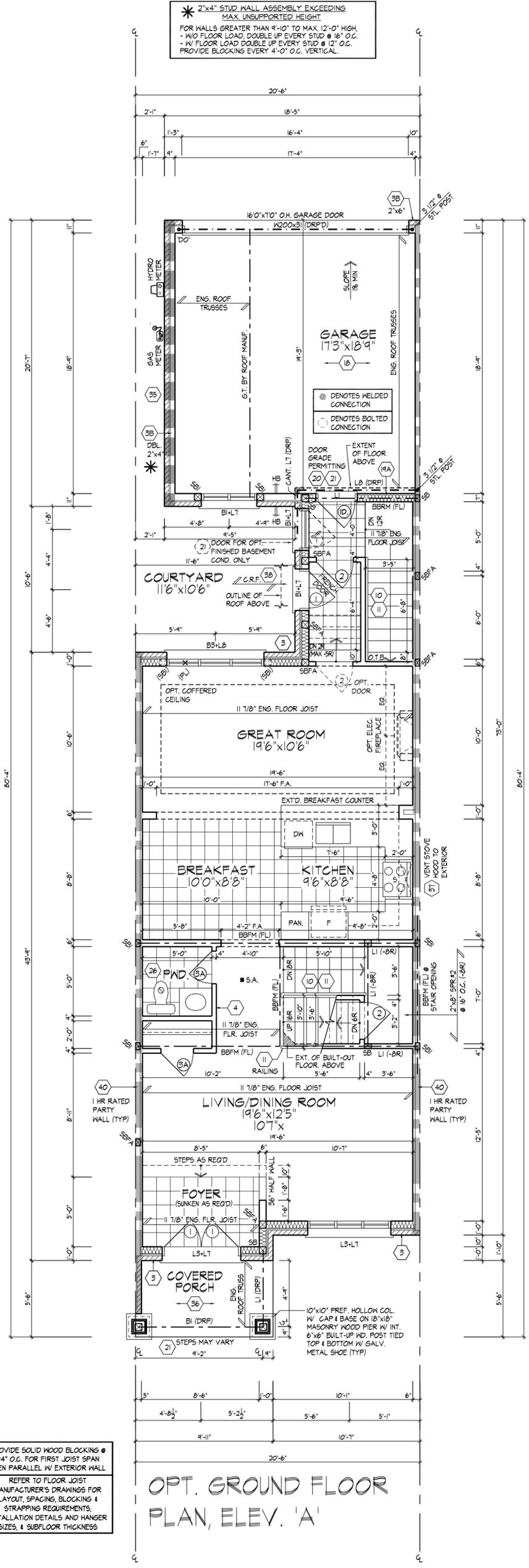
- 1 - TITLE PAGE
- 2 - BASEMENT PLAN, ELEV. 'A'
- 3 - GROUND FLOOR & SECOND FLOOR PLAN, ELEV. 'A'
- 4 - OPT. GROUND FLOOR, ELEV. 'A'
- 5 - PARTIALS, ELEV. 'B'
- 6 - FRONT & REAR ELEVATION 'A'
- 7 - FRONT & REAR ELEVATION 'B'
- 8 - CROSS SECTION 'A-A', 'B-B', 'C-C', 'D-D' & 'E-E'
- 9 - CONSTRUCTION NOTES

AREA CALCULATIONS	EL. 'A'		EL. 'B'	
	STD. PLAN	OPT. PLAN	STD. PLAN	OPT. PLAN
GROUND FLOOR AREA	980 sq. ft.		980 sq. ft.	
SECOND FLOOR AREA	981 sq. ft.		981 sq. ft.	
SUBTOTAL	1961 sq. ft.		1961 sq. ft.	
DEDUCT ALL OPEN AREAS	0 sq. ft.		0 sq. ft.	
TOTAL NET AREA	1961 sq. ft.		1961 sq. ft.	
	(182.18 sq. m.)		(182.18 sq. m.)	
FINISHED BASEMENT AREA	669 sq. ft.		669 sq. ft.	
COVERARGE W/OUT PORCH	1353 sq. ft.		1353 sq. ft.	
	(125.70 sq. m.)		(125.70 sq. m.)	
COVERARGE W/ PORCH	1407 sq. ft.		1407 sq. ft.	
	(130.71 sq. m.)		(130.71 sq. m.)	
WINDOW / WALL AREA CALCULATIONS	EL. 'A'	EL. 'A'	EL. 'B'	EL. 'B'
	STD. PLAN	OPT. PLAN	STD. PLAN	OPT. PLAN
GROSS WALL AREA	2978 sq. ft.	2978 sq. ft.	2981 sq. ft.	2981 sq. ft.
	(276.67 sq. m.)	(276.67 sq. m.)	(276.94 sq. m.)	(276.94 sq. m.)
GROSS WINDOW AREA (INCL. GLASS DOORS & SKYLIGHTS)	235 sq. ft.	235 sq. ft.	241 sq. ft.	241 sq. ft.
	(21.83 sq. m.)	(21.83 sq. m.)	(22.39 sq. m.)	(22.39 sq. m.)
TOTAL WINDOW %	7.89 %	7.89 %	8.08 %	8.08 %

NO.	REVISIONS	DATE (YYYYMMDD)	BY
8.	REVISED PLAN W/ SERVICE STAIR & CLIENTS' COMMENTS	2023/12/01	TT
7.	ISSUED FOR PERMIT	-	-
6.	ISSUED FOR FINAL APPROVAL	2023/01/13	MM
5.	REVISED AS PER ARCHITECTURAL CONTROL COMMENTS	-	-
4.	REVISED AS PER ENGINEER COMMENTS	2023/02/14	MM
3.	REVISED AS PER FLOOR & ROOF MANUFACTURE PLANS	2022/06/15	MM
2.	REVISED AS PER CLIENT'S COMMENTS	2021/09/28	DSI
1.	ISSUED FOR CLIENT REVIEW	2021/07/09	BB



* 2"x4" STUD WALL ASSEMBLY EXCEEDING MAX. UNSUPPORTED HEIGHT FOR WALLS GREATER THAN 4'-0" TO MAX. 12'-0" HIGH - W/ FLOOR LOAD DOUBLE UP EVERY STUD @ 16" O.C. - W/ FLOOR LOAD DOUBLE UP EVERY STUD @ 12" O.C. PROVIDE BLOCKING EVERY 4'-0" O.C. VERTICAL.



OPT. GROUND FLOOR PLAN, ELEV. 'A'

PROVIDE SOLID WOOD BLOCKING @ 24" O.C. FOR FIRST JOIST SPAN WHEN PARALLEL W/ EXTERIOR WALL
 REFER TO FLOOR JOIST MANUFACTURER'S DRAWINGS FOR LAYOUT, SPACING, BLOCKING & STRAPPING REQUIREMENTS, INSTALLATION DETAILS AND HANGER SIZES, & SUBFLOOR THICKNESS

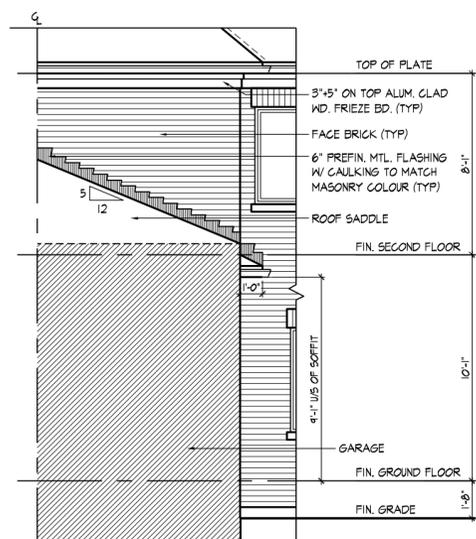
HUNT
 DESIGN ASSOCIATES INC.
 8966 Woodbine Ave., Markham, ON L3R 0J7
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OPT. GROUND FLOOR, ELEV. 'A'
 Royal Pine Homes/Summer Ridge Estates Inc.-216051 UNIT 2003
 MAYFIELD VILLAGE - BRAMPTON, ON.
 REV. 2024.02.07

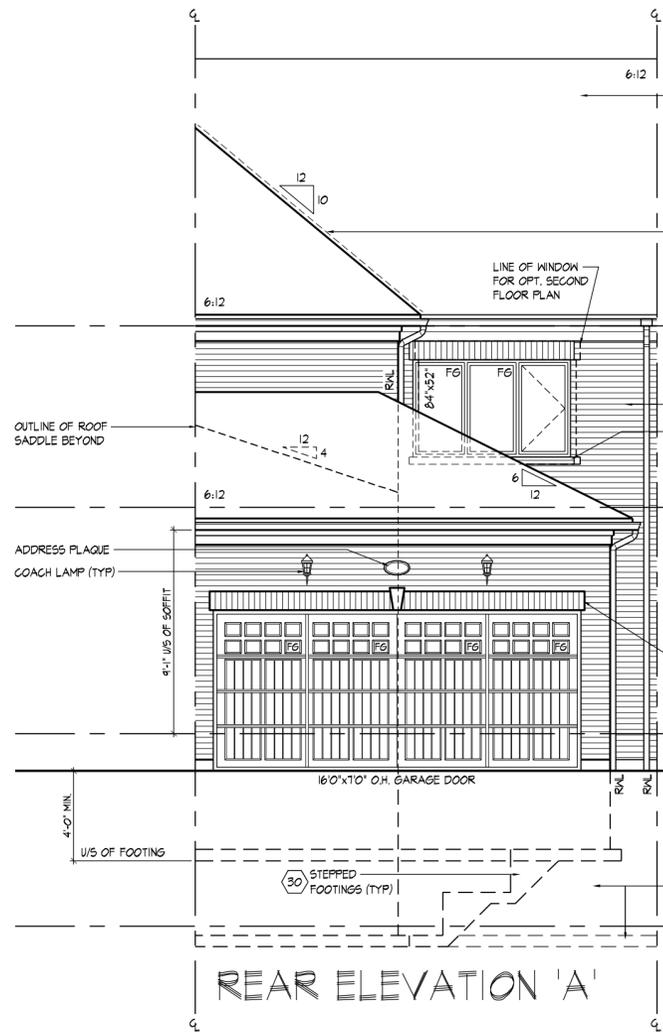
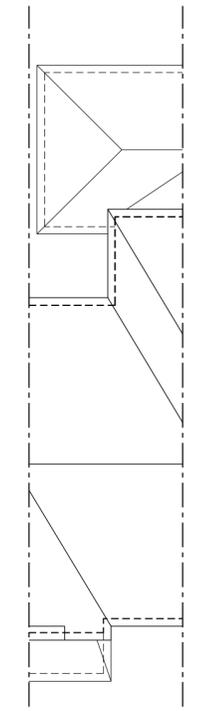
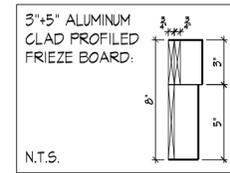
PROJECT NO: 216051WT2003
 SHEET NO: 4 OF 9

REFER TO FRONT ELEVATION FOR
TYPICAL NOTES & INFORMATION

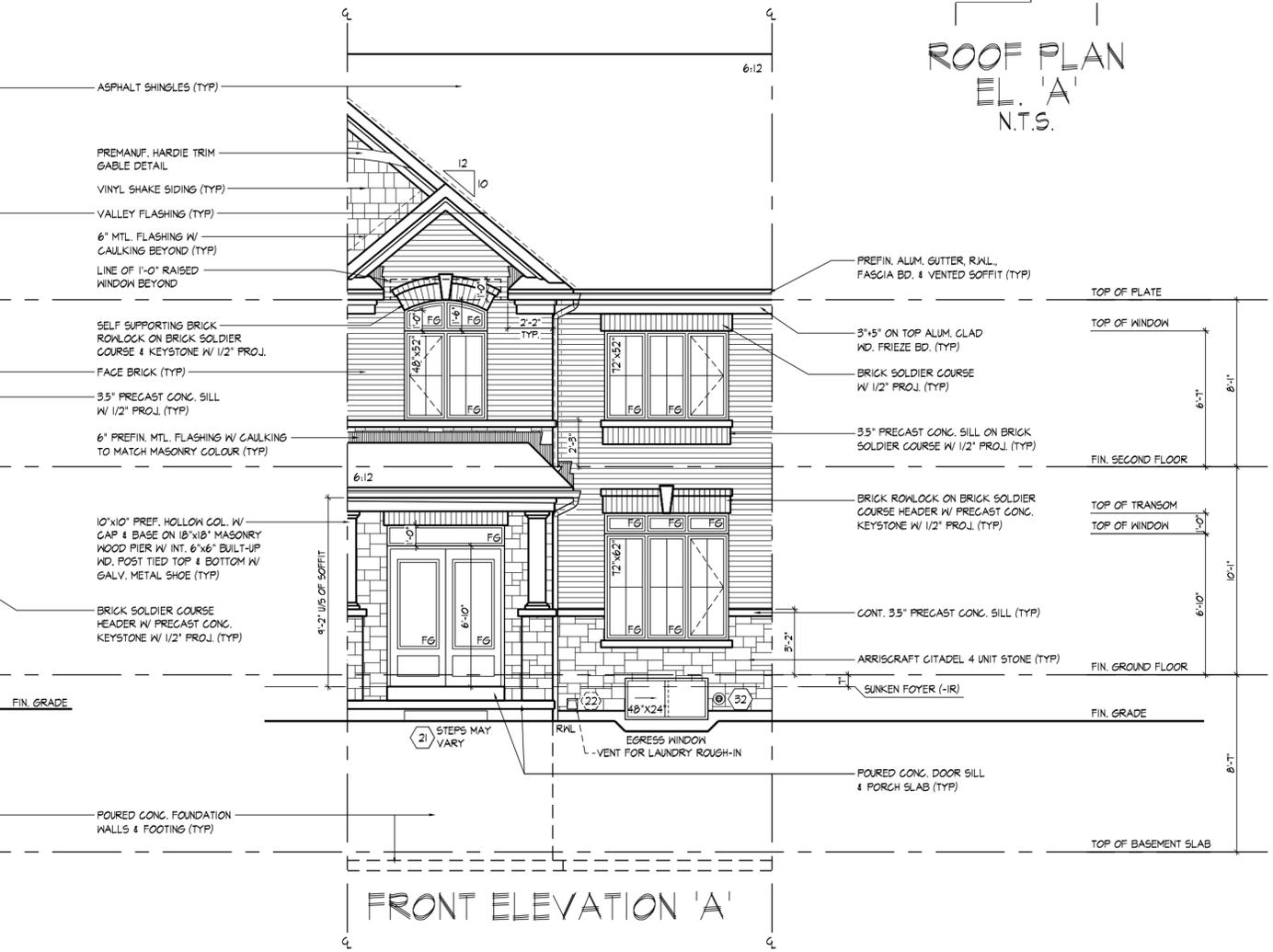
ROOF OVERHANGS TO BE 12"
UNLESS NOTED OTHERWISE



PART. REAR GARAGE
ELEVATION 'E-E'



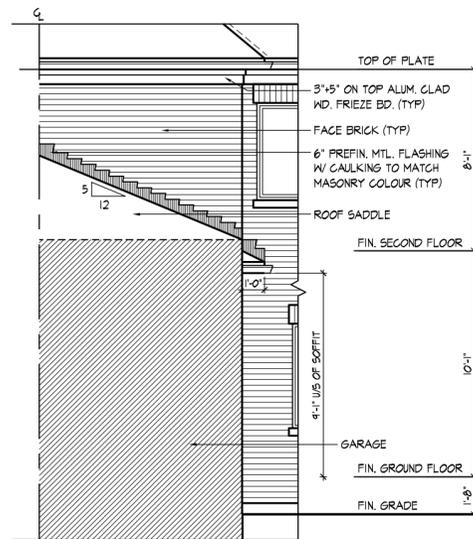
REAR ELEVATION 'A'



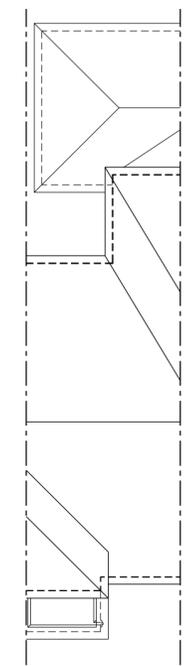
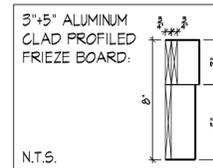
FRONT ELEVATION 'A'

REFER TO FRONT ELEVATION FOR TYPICAL NOTES & INFORMATION

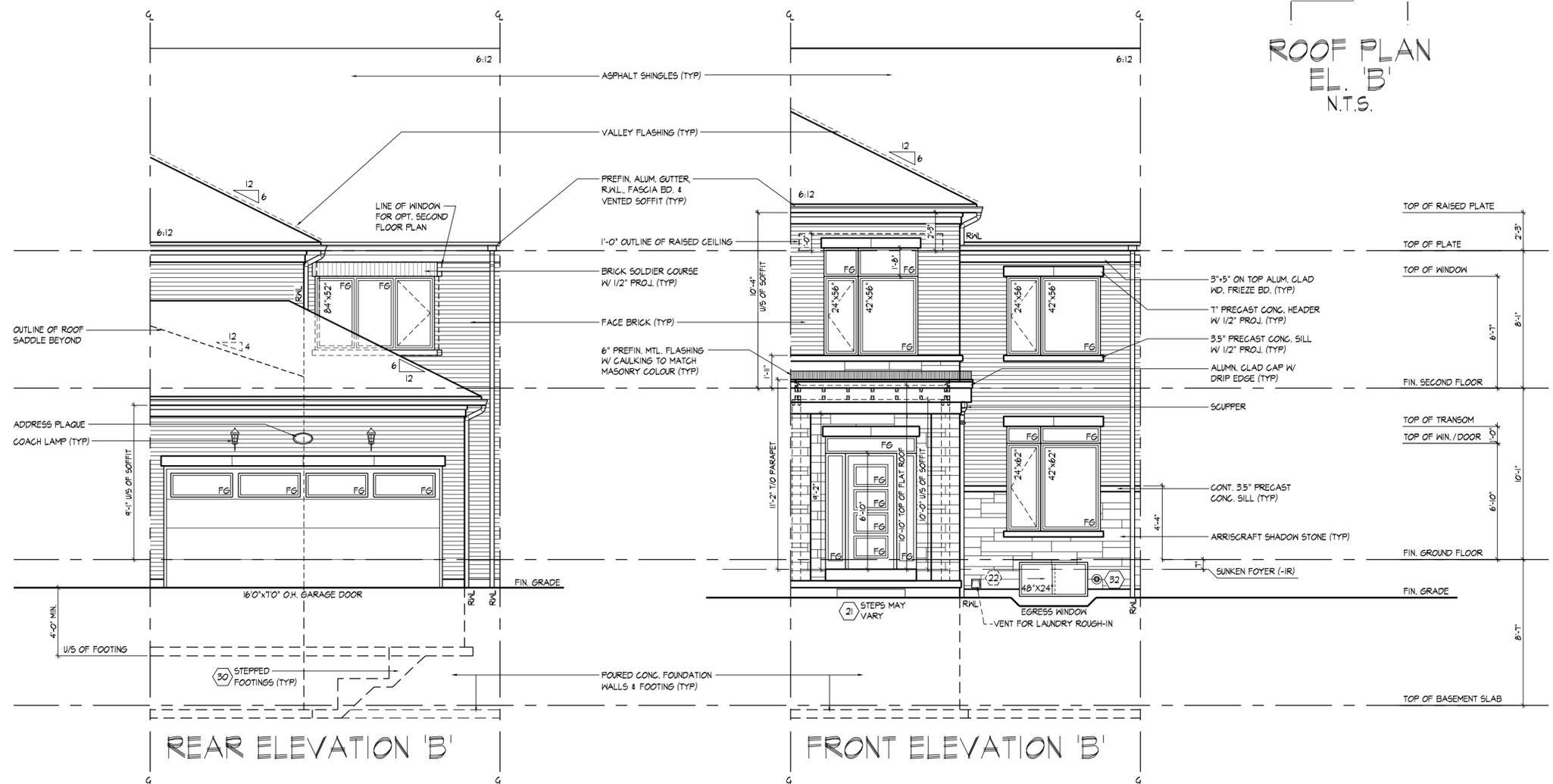
ROOF OVERHANGS TO BE 12" UNLESS NOTED OTHERWISE



PART. REAR GARAGE ELEVATION 'E-E'



ROOF PLAN EL. 'B' N.T.S.



REAR ELEVATION 'B'

FRONT ELEVATION 'B'

THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER.

QUALIFICATION INFORMATION:
Derek R. Santos 37308
BCIN
HUNT DESIGN ASSOCIATES INC. 19695



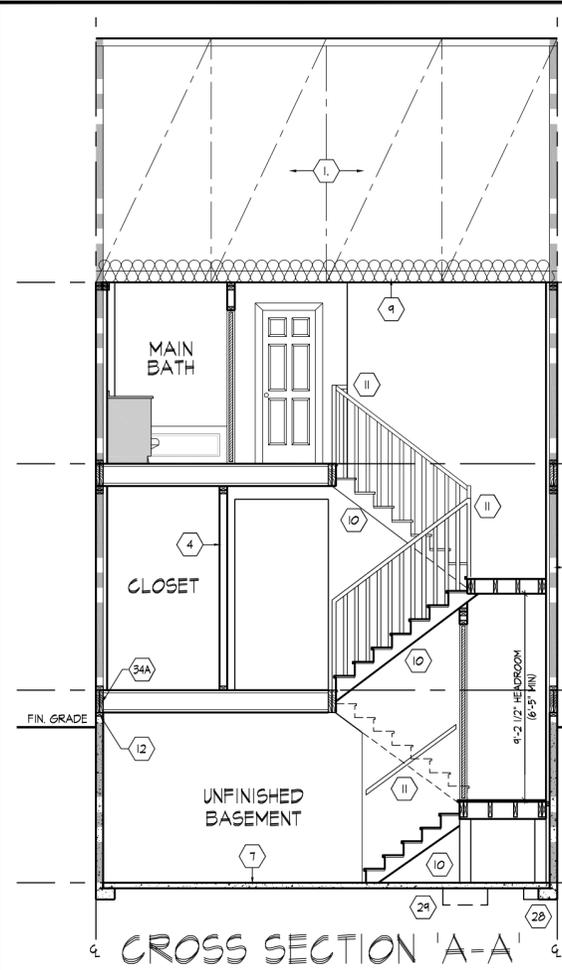
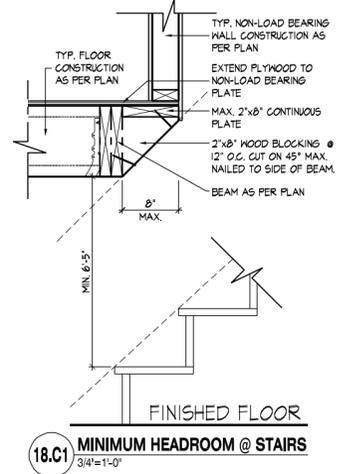
FRONT & REAR ELEVATION 'B'
Royal Pine Homes/Summer Ridge Estates Inc.-216051 UNIT 2003
"MAYFIELD VILLAGE", BRAMPTON, ON. REV.2024.02.07

Drawn By: BB, Checked By: WD, Scale: 3/16"=1'-0", File Number: 216051WT2003, Page Number: 7 of 9

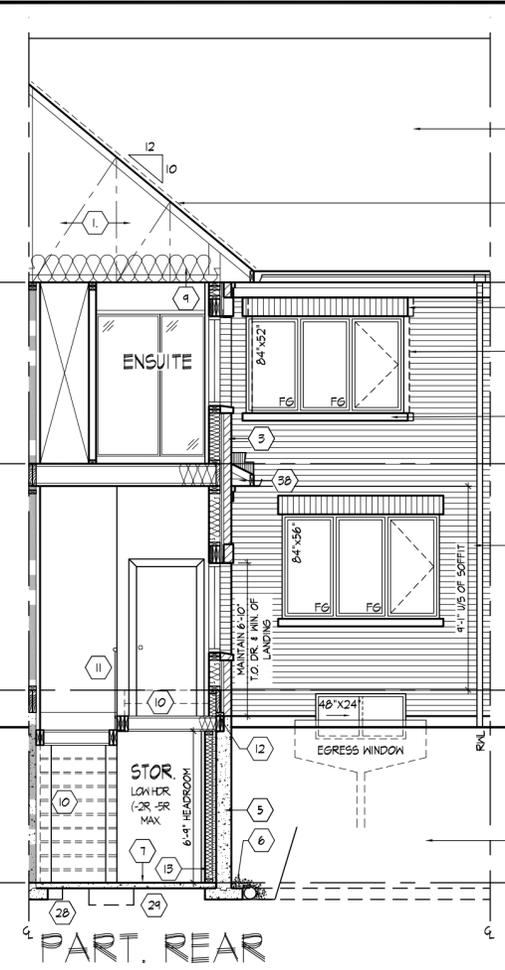
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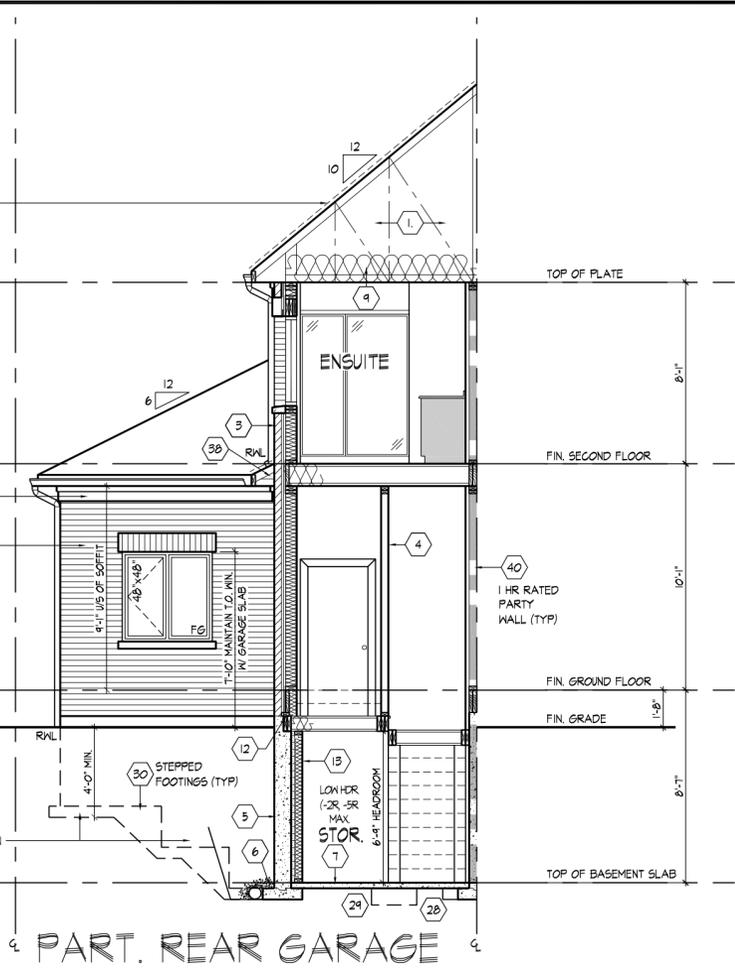
REFER TO FRONT ELEVATION FOR TYPICAL NOTES & INFORMATION
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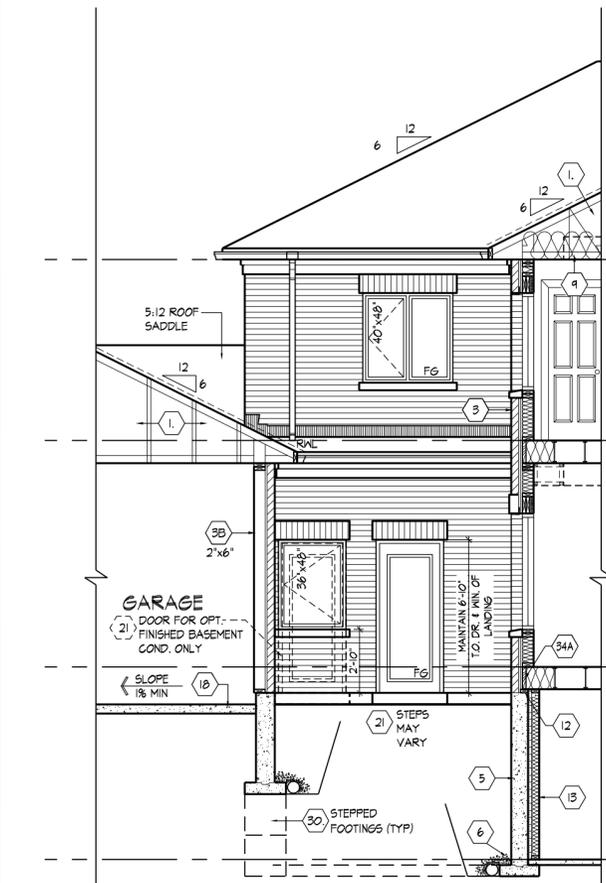
CROSS SECTION 'A-A'



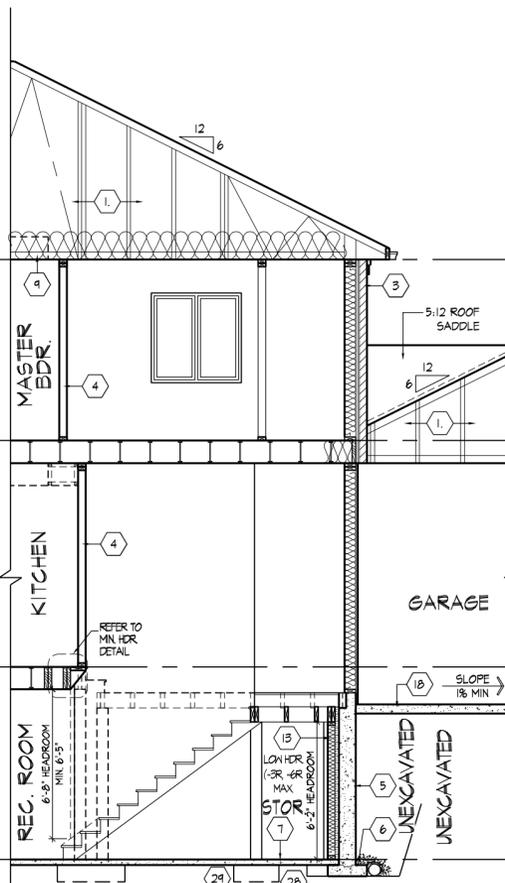
PART. REAR ELEVATION 'C-C'



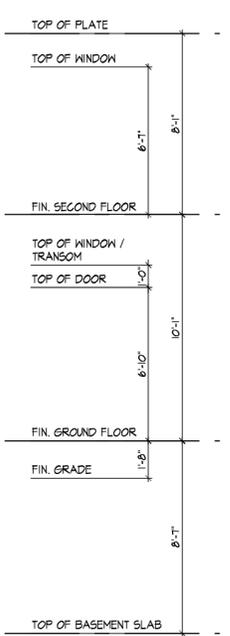
PART. REAR GARAGE ELEVATION 'B-B'



PART. REAR ELEVATION 'D-D'



CROSS SECTION 'E-E'



THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER.
QUALIFICATION INFORMATION
Derek R. Santos SIGNATURE 37308
REGISTRATION INFORMATION BCIN
HUNT DESIGN ASSOCIATES INC. 19695
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CROSS SECTION 'A-A', 'B-B', 'C-C', 'D-D' & 'E-E'
Royal Pine Homes/Summer Ridge Estates Inc.-216051 UNIT 2003
"MAYFIELD VILLAGE", BRAMPTON, ON. REV.2024.02.07
Drawn By BB Checked By WD Scale 3/16"=1'-0" File Number 216051WT2003 Page Number 8 of 9
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SECTION 1.0. CONSTRUCTION NOTES

- 1 ROOF CONSTRUCTION** (9.19, 9.23.13, 9.23.15)
NO. 210 (10.25 KG/M2) ASPHALT SHINGLES 3/8" (9.5) PLYWOOD SHEATHING WITH #4 CLIPS. APPROVED WOOD TRUSSES @ 24" (610) O.C. MAX. APPROVED EAVES PROTECTION TO BE 1/2" (12.7) GYPSUM WALLBOARD INTERIOR FINISH. MIN. 12" (305) BEYOND INNER FACE OF EXTERIOR WALL. 2'x4" (38x90) TRUSS BRACING @ 6'-0" (1830) O.C. AT BOTTOM CHORD. PREFIN. ALUM. EAVESTROUGH, FASCIA, RVL & VENTED SOFFIT. ATTIC VENTILATION 1:300 OF CEILING AREA. INSULATION TO BE 1/2" (12.7) GYPSUM SHEATHING LOCATED AT TOP OF SPACE & MIN. 25% OF REQUIRED OPENINGS LOCATED AT BOTTOM OF SPACE. EAVESTROUGH TO BE 6" MIN. WITH RVL DISCHARGING ONTO CONCRETE SPLASH TANK. TRACED HEATER CABLE TO BE 5" MIN. WITH EAVESTROUGH WITH ELEC. TRACED HEATER CABLE ALONG EAVESTROUGH AND DOWN RVL.
- 1A ICE AND WATER SHEILD**
PROVIDE ICE AND WATER SHEILD IN AREAS INDICATED. THE ICE AND WATER SHEILD SHALL BE A SELF-ADHERING AND SELF-SEALING MEMBRANE. SIDE LAPS MUST BE A MINIMUM 3" (76) AND END LAPS A MINIMUM 6" (152) AND TO EXTEND UP DORMER WALLS A MINIMUM 12" (305).
- 1B PROFILED ROOF TRUSSES**
ROOF TRUSSES SHALL BE PROFILED AND/OR STEPPED AT RAISED COPPER/TRAY CEILING. ANGLED TRAY CEILING WILL BE SHEATHED W/ 3/8" (9.5) PLYWOOD.
- 2 SIDING WALL CONSTRUCTION (2'x6")**
SIDING MATERIAL AS PER ELEVATION ATTACHED TO FRAMING MEMBERS. FURRING MEMBERS OR BLOCKING BETWEEN THE FRAMING MEMBERS ON APPROVED SHEATHING PAPER ON 3/8" (9.5) EXT. GRADE SHEATHING ON STUDS CONFORMING TO O.B.C (9.23.10.1) & SECTION 1.1. INSULATION, APPROVED 6 MIL POLYETHYLENE AIRVAPOUR BARRIER, ON 1/2" (12.7) GYPSUM WALLBOARD INT. FIN. (GYPSUM SHEATHING, RIGID INSULATION AND FIBERBOARD SHALL NOT BE USED FOR THE ATTACHMENT OF SIDING (9.23.16.3,1.1)) (REFER TO 35 NOTE AS REQ.)
- 2A SIDING WALL CONSTRUCTION (2'x6") W/ CONTIN. INSULATION**
SIDING MATERIAL AS PER ELEVATION ATTACHED TO FURRING MEMBERS ON APPROVED AIRWATER BARRIER AS PER O.B.C. 9.27.3. ON EXTERIOR TYPE RIGID INSULATION JOINTS UNLAPTED. MECHANICALLY FASTENED AS PER MANUFACTURERS SPECIFICATIONS ON 3/8" (9.5) EXT. GRADE SHEATHING ON STUDS CONFORMING TO O.B.C (9.23.10.1) & SECTION 1.1. INSULATION, APPROVED 6 MIL POLYETHYLENE AIRVAPOUR BARRIER, ON 1/2" (12.7) GYPSUM WALLBOARD INT. FIN. (GYPSUM SHEATHING, RIGID INSULATION AND FIBERBOARD SHALL NOT BE USED FOR THE ATTACHMENT OF SIDING (9.23.16.3,1.1)) (REFER TO 35 NOTE AS REQ.)
- 2B SIDING WALL @ GARAGE CONSTRUCTION**
SIDING MATERIAL AS PER ELEVATION ATTACHED TO FRAMING MEMBERS. FURRING MEMBERS OR BLOCKING BETWEEN THE FRAMING MEMBERS ON APPROVED SHEATHING PAPER ON 3/8" (9.5) EXTERIOR TYPE SHEATHING ON STUDS CONFORMING TO O.B.C (9.23.10.1) & SECTION 1.1. 1/2" (12.7) GYPSUM WALLBOARD INTERIOR FINISH. RIGID INSULATION AND FIBERBOARD SHALL NOT BE USED FOR THE ATTACHMENT OF SIDING (9.23.16.3,1.1)) (REFER TO 35 NOTE AS REQ.)
- 3 BRICK VENEER WALL CONSTRUCTION (2'x6")**
3 1/2" (90) BRICK VENEER 1/2" (25) AIR SPACE. 7/8"x7/16" (22x180x76) GALV. METAL TIES @ 16" (406) O.C. HORIZ. 24" (600) O.C. VERT. BONDING AND FASTENING FOR TIES TO CONFORM WITH 9.20.9. ON APPROVED AIRWATER BARRIER AS PER O.B.C. 9.27.3. EXTERIOR TYPE SHEATHING, STUDS CONFORMING TO O.B.C (9.23.10.1) & SECTION 1.1. INSULATION AND 6 MIL POLYETHYLENE VAPOUR BARRIER WITH APPROVED CONTIN. AIR BARRIER. 1/2" (12.7) GYPSUM WALLBOARD INTERIOR FINISH. PROVIDE WEEP HOLES @ 32" (800) O.C. BOTTOM COURSE AND OVER OPENINGS. PROVIDE BASE FLASHING UP MIN. 6" (152) BEHIND BUILDING PAPER (9.20.13.6) (REFER TO 35 NOTE AS REQUIRED).
- 3A BRICK VENEER WALL CONSTRUCTION (2'x6") W/ CONTIN. INSULATION**
3 1/2" (90) BRICK VENEER 1/2" (25) AIR SPACE. 7/8"x7/16" (22x180x76) GALV. METAL TIES @ 16" (406) O.C. HORIZ. 24" (600) O.C. VERT. BONDING AND FASTENING FOR TIES TO CONFORM WITH 9.20.9. ON APPROVED AIRWATER BARRIER AS PER O.B.C. 9.27.3. ON EXTERIOR TYPE RIGID INSULATION JOINTS UNLAPTED. MECHANICALLY FASTENED AS PER MANUFACTURERS SPECIFICATIONS. ON 3/8" (9.5) EXTERIOR TYPE SHEATHING, STUDS CONFORMING TO O.B.C (9.23.10.1) & SECTION 1.1. INSULATION AND 6 MIL POLYETHYLENE VAPOUR BARRIER WITH APPROVED CONTIN. AIR BARRIER. 1/2" (12.7) GYPSUM WALLBOARD INTERIOR FINISH. PROVIDE WEEP HOLES @ 32" (800) O.C. BOTTOM COURSE AND OVER OPENINGS. PROVIDE BASE FLASHING UP MIN. 6" (152) OVER RIGID INSULATION (9.20.13.6) (REFER TO 35 NOTE AS REQUIRED).
- 3B BRICK VENEER WALL @ GARAGE CONSTRUCTION**
3 1/2" (90) BRICK VENEER. MIN. 1/2" (25) AIR SPACE. 7/8"x7/16" (22x180x76) GALV. METAL TIES @ 16" (406) O.C. HORIZ. 24" (600) O.C. VERT. BONDING AND FASTENING FOR TIES TO CONFORM WITH 9.20.9. ON APPROVED SHEATHING PAPER. 3/8" (9.5) EXTERIOR TYPE SHEATHING ON STUDS CONFORMING TO O.B.C (9.23.10.1) & SECTION 1.1. 1/2" (12.7) GYPSUM WALLBOARD INTERIOR FINISH. PROVIDE WEEP HOLES @ 32" (800) O.C. BOTTOM COURSE AND OVER OPENINGS. PROVIDE BASE FLASHING UP (150) MIN. BEHIND BUILDING PAPER (9.20.13.6) (REFER TO 35 NOTE AS REQ.)
- 4 INTERIOR STUD PARTITIONS** (9.23.9.8, 9.23.10)
BEARING PARTITIONS SHALL BE A MINIMUM 2'x4" (38x90) @ 16" (406) O.C. FOR 2 STOREY AND 1/2" (305) O.C. FOR 3 STOREY. NON-BEARING PARTITIONS 2'x4" (38x90) @ 24" (610) O.C. PROVIDE 2'x4" (38x90) BOTTOM PLATE AND 2'x4" (38x90) TOP PLATE. 1/2" (12.7) INT. DRYWALL, BOTH SIDES OF STUDS. PROVIDE 2'x6" (38x140) STUDS WHERE NOTED. PROVIDE 2'x4" (38x90) @ 24" (610) O.C. LADDER FRAMING WHERE WALLS INTERSECT PERPENDICULAR TO ONE ANOTHER. PROVIDE 2'x4" (38x90) WOOD BLOCKING ON FLAT @ 5'-11" (1794) O.C. MAX. BETWEEN FLOOR JOISTS WHEN NON-OAD-BEARING WALLS ARE PARALLEL TO FLOOR JOISTS.
- 4A EXT. LOFT WALL CONSTRUCTION (2'x6") - NO CLADDING**
3/8" (9.5) EXTERIOR TYPE SHEATHING, STUDS CONFORMING TO O.B.C (9.23.10.1) & SECTION 1.1. INSULATION AND 6 MIL POLYETHYLENE VAPOUR BARRIER WITH APPROVED CONT. AIR BARRIER. 1/2" (12.7) GYPSUM WALLBOARD INT. FINISH. (9.23)
- 4B EXT. LOFT WALL CONSTRUCTION (2'x6") W/ CONTINUOUS INSULATION**
APPROVED AIRWATER BARRIER AS PER O.B.C. 9.27.3. ON EXTERIOR TYPE RIGID INSULATION JOINTS UNLAPTED. MECHANICALLY FASTENED AS PER MANUFACTURERS SPECIFICATIONS. ON 3/8" (9.5) EXTERIOR TYPE SHEATHING, STUDS CONFORMING TO O.B.C (9.23.10.1) & SECTION 1.1. INSULATION AND 6 MIL POLYETHYLENE VAPOUR BARRIER WITH APPROVED CONT. AIR BARRIER. 1/2" (12.7) GYPSUM WALLBOARD INT. FINISH. (9.23).
- 5 FOUNDATION WALL FOOTINGS**
POURED CONC. FOUNDATION WALL AS PER CHART BELOW ON CONTINUOUS KEVED CONCRETE FOOTING. FOUNDATION WALLS SHALL EXTEND NOT LESS THAN 6" (152) ABOVE FINISHED GRADE. THE OUTSIDE OF THE FOUNDATION SHALL BE DAMPROOFED FROM THE TOP OF THE FOOTING TO FINISHED GRADE AND BRUSH COAT FROM THE TOP TO 2" BELOW GRADE. PROVIDE A DRAINAGE LAYER ON THE OUTSIDE OF THE FOUNDATION WALL. SEAL THE DRAINAGE LAYER AT THE TOP. THE TOP OF THE CONC. FOOTING SHALL BE DAMPROOFED. CONCRETE FOOTINGS SUPPORTING JOIST SPANS GREATER THAN 16'-4" (4978) SHALL BE SIZED IN ACCORDANCE WITH 9.15.3.4 (1) (2) OF THE O.B.C. (REFER TO CHART BELOW FOR RESPECTIVE SIZE). BRACE FOUNDATION WALL PRIOR TO BACKFILLING. ALL FOOTINGS SHALL REST ON NATURAL UNDISTURBED SOIL OF 75kPa OR COMPACTED ENGINEERED FILL WITH MIN. BEARING CAPACITY OF 150kPa. IF SOIL BEARING DOES NOT MEET MINIMUM CAPACITY, ENGINEERED FOOTINGS ARE REQUIRED. ACTUAL SOIL BEARING CAPACITY TO BE VERIFIED WITH SOIL ENGINEERING REPORT.
REFER TO CONSTRUCTION DRAWINGS AND DETAILS FOR FOUNDATION WALL STRENGTH AND THICKNESS AND 9.15.4.
FOUNDATION WALLS SHALL NOT EXCEED 9'-0" (3.0m) IN UNSUPPORTED HEIGHT UNLESS OTHERWISE NOTED. (9.15.4.2.1, 1.1)
- UNREINFORCED SOLID CONCRETE FOUNDATION WALLS (9.15.4.2)**
- | HEIGHT | THICKNESS | MAX. HEIGHT FROM FIN. SLAB TO GRADE | | | |
|--------|----------------|-------------------------------------|---------------|----------------|----------------|
| | | UNSUPPORTED AT TOP | 2-2.5m | 3-3.75m | >2.75m to 3.0m |
| 8' | 3'11" (1.20m) | 7'-6" (2.15m) | 7'-0" (2.15m) | 6'-10" (2.10m) | |
| 10' | 4'-7" (1.40m) | 7'-6" (2.30m) | 8'-6" (2.60m) | 8'-2" (2.50m) | |
| 12' | 4'-11" (1.50m) | 7'-6" (2.30m) | 8'-6" (2.60m) | 9'-3" (2.85m) | |
| 14' | 5'-3" (1.57m) | 7'-6" (2.30m) | 7'-6" (2.30m) | 7'-2" (2.20m) | |
| 16' | 4'-7" (1.40m) | 7'-6" (2.30m) | 8'-6" (2.60m) | 9'-3" (2.85m) | |
| 18' | 4'-11" (1.50m) | 7'-6" (2.30m) | 8'-6" (2.60m) | 9'-3" (2.85m) | |
- CHARACTERISTICS** (9.16, 9.35)
*9" MIN. THICK FOUNDATION WALL IS REQUIRED FOR MASONRY VENEER FINISHED EXTERIOR WALLS WITH CONTINUOUS INSULATION CONDITION. TO PROVIDE MIN. BEARING FOR SILL PLATES, BEAMS AND FLOOR JOIST AS PER 9.23.9.2, 9.23.8.1, & 9.23.9.1.1 OF THE O.B.C.
- | NUMBER FLOORS SUPPORTED | MINIMUM STRIP FOOTING SIZES (9.15.3) | | | |
|-------------------------|---|---------------------|-----------------------|----------------------|
| | SUPPORTING INT. LOAD BEARING MASONRY WALL | SUPPORTING EXTERIOR | SUPPORTING PARTY WALL | SUPPORTING |
| 1 | 16" WIDE x 6" THICK | 16" WIDE x 6" THICK | 16" WIDE x 6" THICK | 16" WIDE x 6" THICK |
| 2 | 24" WIDE x 6" THICK | 24" WIDE x 6" THICK | 24" WIDE x 6" THICK | 24" WIDE x 6" THICK |
| 3 | 36" WIDE x 14" THICK | 28" WIDE x 9" THICK | 36" WIDE x 14" THICK | 36" WIDE x 14" THICK |

REFER TO SB-12 ENERGY EFFICIENCY DESIGN MATRIX ON THE TITLE PAGE FOR ALL VALUES AS REQUIRED PER 3.1.1., 3.1.2., 3.1.3. OF THE OBC.

- 5A FOUNDATION REDUCTION IN THICKNESS FOR MASONRY**
WHERE THE TOP OF THE FOUNDATION WALL IS REDUCED IN THICKNESS TO PERMIT THE INSTALLATION OF MASONRY EXTERIOR FINISH. THE REDUCED SECTION SHALL BE NOT LESS THAN 3" (76) THICK. THE BRICK VENEER SHALL BE TIED TO THE FOUNDATION WALL WITH CORROSION RESISTANT METAL TIES @ 7" (200) VERTICAL AND 2'-11" (689) HORIZONTAL. FILL VOID WITH MORTAR BETWEEN WALL AND BRICK VENEER (9.15.4.2(1)(9) & 9.20.9.4(1)).
- 5B FOUNDATION REDUCTION IN THICKNESS FOR JOISTS**
WHERE THE TOP OF THE FOUNDATION WALL IS REDUCED IN THICKNESS TO PERMIT THE INSTALLATION OF FLOOR JOISTS. THE REDUCED SECTION SHALL BE NOT MORE THAN 13'-34" (350) HIGH AND NOT LESS THAN 3 1/2" (90) THICK (9.15.4.2(1)).
- 6 WEEPING TILE** (9.14.3)
1" (25) Ø WEEPING TILE W/ FILTER CLOTH WRAP & 6" (152) CRUSHED STONE COVER #1 (9.16.4) (9.16.4) (9.13).
- 7 BASEMENT SLAB OR SLAB ON GRADE** (9.16.4) (9.13)
3" (80) MIN. 25MPa (3600psi) CONC. SLAB ON 4" (100) COARSE GRANULAR FILL OR 20MPa (2900psi) CONC. WITH DAMPROOFING BELOW SLAB. PROVIDE 1/2" (12.7) IMPERVIOUS BOARD FOR BOND BREAK AT EDGE. WHERE A BASEMENT SLAB IS WITHIN 24" (610) OF THE EXTERIOR GRADE PROVIDE RIGID INSUL. AROUND THE PERIMETER EXTENDING MIN. 24" (610) BELOW GRADE. FOR SLAB ON GRADE CONDITIONS FIBRO INSULATION SHALL BE APPLIED TO THE UNDERSIDE OF THE ENTIRE SLAB. (9.9-12) 3.1.1.7.6) & 6)
- 8 EXPOSED FLOOR TO EXTERIOR** (9.10.17.10, & CANULC-S705.2)
PROVIDE SPRAY FOAM INSULATION BETWEEN CANT. JOIST AND INST. OSG CONFIRMING TO 9.29.9. FIN. SOFFT OR CLADDING AS PER ELEVATION TO US OF EXPOSED CANT. JOIST.
- 9 EXPOSED CEILING TO EXTERIOR W/ ATTIC** (9.25.2.4)
INSULATION, 6 MIL POLYETHYLENE VAPOUR BARRIER, 1/2" (12.7) GYPSUM BOARD INTERIOR FINISH OR APPROVED EQ.
- EXPOSED CEILING TO EXTERIOR W/O ATTIC**
JOIST/TRUSSES AS PER PLANS W/ 2'x2" (38x38) PURLINS @ 16" (406) O.C. PERPENDICULAR TO JOIST (PURLINS NOT REQ. W/ SPRAY FOAM OR ROOF TRUSSES) W/ INSULATION BETWEEN JOIST. 6 MIL POLYETHYLENE VAPOUR BARRIER, 1/2" (12.7) GYPSUM BOARD INT. FINISH OR APPROVED EQ. (CANULC-S705.2, 9.19.1, 9.10.17.10)
- 10 ALL STAIRS/EXTERIOR STAIRS** (9.8.1.2, 9.8.2, 9.8.4)
- | MAX. RISE | MIN. RISE | MAX. RUN | MIN. RUN | ALL STAIRS |
|---------------------|-----------|-----------|-----------|---------------------|
| PRIVATE 7'78" (201) | 5" (125) | 14" (355) | 10" (255) | MAX. NOSING 1" (25) |
| PUBLIC 7'180" (510) | 5" (125) | NO LIMIT | 11" (280) | |
- | MIN. STAIR WIDTH | TAPERED TREADS |
|----------------------|-------------------------|
| PRIVATE 2'-10" (860) | MIN. RUN 5'7" (150) |
| | MIN. AVG. RUN 10" (255) |
| PUBLIC 2'-11" (900) | MIN. RUN 5'7" (150) |
| | MIN. AVG. RUN 11" (280) |
- AVERAGE RUN OF TAPERED TREAD MEASURED AT A POINT 300mm FROM THE CENTERLINE OF THE STAIR.
- ** HEIGHT OVER STAIRS (HEADROOM) IS MEASURED VERTICALLY ACROSS WIDTH OF STAIRS FROM A STRAIGHT LINE TO THE TREAD & LANDING NOSING TO LOWEST POINT ABOVE AND NOT LESS THAN 6'-5" (1950) FOR SINGLE DWELLING UNIT & 6'-4" (1930) FOR EVERYTHING ELSE. (9.8.2.2)
REQUIRED LANDING IN GARAGE - O.B.C. 9.8.6.2.3)
FOR AN EXTERIOR STAIR SERVING A GARAGE W/ MORE THAN 3 RISERS, GARAGE, HANDRAILS & STEPS AS PER CONSTRUCTION HEX NOTE 10 & 11.
- 11 GUARDS/HANDRAILS** (9.8.1, 9.8.2, 9.8.3)
GUARDS TO BE DESIGNED NOT TO FACILITATE CLIMBING AND PROVIDING MAX. OPENING CONFORMING TO O.B.C. 9.8.8.5, & 9.8.8.6. AND BE ABLE TO RESIST LOADS AS PER O.B.C. 9.8.8.2.
GUARD HEIGHTS - O.B.C. 9.8.8.
GUARDS FOR LANDINGS @ EXT. STAIRS: 3'-6" (1070) MIN.
GUARDS FOR FLOORS & RAMPS IN GARAGES (SERVICE STAIRS) FLOOR OR RAMP W/O EXTERIOR WALLS THAT IS 23 5/8" (600) OR MORE ABOVE ADJACENT SURFACE REQUIRES CONT. CURB MIN. 5'-1/2" (1410) HIGH, AND GUARD MIN. 3'-6" (1070) HIGH.
REQUIRED GUARDS BETWEEN WALKING SURFACE & ADJACENT SURFACE WITH A DIFFERENCE IN ELEVATION MORE THAN 23 5/8" (600) OR ADJACENT SURFACE WITHIN 3'-11" (1200) & WALKING SURFACE W/ A SLOPE MORE THAN 1 IN 12 SHALL BE PROTECTED WITH RAILS PER CONSTRUCTION HEX NOTE 11.
HANDRAIL HEIGHTS - O.B.C. 9.8.7 - REQUIRED AS PER 9.8.7.1(3)
MIN. HEIGHT AT STAIRS, RAMPS & LANDINGS: 2'-10" (865)
MAX. HEIGHT AT STAIRS, RAMPS AND LANDINGS: 3'-6" (1070)
- 12 SILL PLATES**
2'x4" (38x90) SILL PLATE WITH 1/2" (12.7) 10 ANCHOR BOLTS @ 2'0" LONG. EMBEDDED MIN. 4" (100) INTO JOIST @ 7'-10" (2389) O.C. CAULKING OR GASKET BETWEEN PLATE AND TOP OF FOUNDATION WALL. USE NON-SHRINK GROUT TO LEVEL SILL PLATE WHEN REQUIRED (9.23.7)
- 13 BASEMENT INSULATION** (9.9-12) 3.1.1.7
PROVIDE CONTINUOUS BLANKET INSULATION W/ BUILT IN 6 MIL POLYETHYLENE VAPOUR BARRIER. INSULATION TO EXTEND NO MORE THAN 6" (200) ABOVE FINISHED BASEMENT FLOOR. DAMPROOFED WITH BUILDING PAPER BETWEEN THE FOUNDATION WALL AND INSULATION UP TO GRADE LEVEL.
- 14 BEARING STUD PARTITION IN BASEMENT** (9.15.3.6, 9.23.10.1)
2'x4" (38x90) STUDS @ 16" (406) O.C. 2'x4" (38x90) SILL PLATE (2'x6" (38x140) AS REQUIRED) ON DAMPROOF. INSUL. OR 2 MIL POLYETHYLENE FILM. 1/2" (12.7) OR ANCHOR BOLTS @ 2'0" LONG. EMBEDDED 4" (100) MIN. INTO JOIST. REFER TO 9.10' (2390) O.C. 4" (100) HIGH CONC. CURB ON CONC. FOOTING. FOR SIZE REFER TO HEX NOTE 5. ADD HORIZ. BLOCKING AT MID-HEIGHT IF WALL IS UNFINISHED.
- 15 ADJUSTABLE STEEL BASEMENT COLUMN** (9.15.3.4)
9'-0" (3000) MAX. SPAN BETWEEN COLUMNS. 12" (900) SINGLE TUBE ADJUSTABLE STEEL COLUMN CONFORMING TO CAN/CSSA-22M. AND WITH 6'x6'x3/8" (152x152x9.5) STEEL PLATE TOP & BOTTOM. FIELD WELD BASEMENT COLUMN CONNECTION. POURED CONCRETE FOOTING ON NATURAL UNDISTURBED SOIL OF 75kPa OR COMPACTED ENGINEERED FILL WITH MIN. BEARING CAPACITY OF 150kPa AS PER SOILS REPORT.
SUPPORTING 2 STOREY FLR. LOAD PROVIDE 34x34x16" (870x870x410) CONC. FOOTING
SUPPORTING 3 STOREY FLR. LOAD PROVIDE 40x40x19" (1000x1000x480) CONC. FOOTING
- 15A NON-ADJUSTABLE STEEL BASEMENT COLUMN**
3 1/2" (90) x 10" (188) (4.78) NON-ADJUSTABLE STEEL COLUMN WITH 6'x6'x3/8" (152x152x9.5) STEEL PLATE TOP & BOTTOM. FIELD WELD BASEMENT COLUMN CONNECTION. POURED CONCRETE FOOTING ON NATURAL UNDISTURBED SOIL OF 75kPa OR COMPACTED ENGINEERED FILL WITH MIN. BEARING CAPACITY OF 150kPa AS PER SOILS REPORT.
SUPPORTING 2 STOREY FLR. LOAD PROVIDE 42x42x18" (1070x1070x480) CONC. FOOTING
SUPPORTING 3 STOREY FLR. LOAD PROVIDE 48x48x24" (1220x1220x610) CONC. FOOTING
- 15B NON-ADJUSTABLE STL. COLUMN AT FOUNDATION WALL**
3 1/2" (90) x 10" (188) (4.78) NON-ADJUSTABLE STEEL COLUMN WITH 6'x6'x3/8" (152x152x9.5) STEEL PLATE TOP & BOTTOM. FIELD WELD BASEMENT COLUMN CONNECTION. POURED CONCRETE FOOTING ON NATURAL UNDISTURBED SOIL OF 75kPa OR COMPACTED ENGINEERED FILL WITH MIN. BEARING CAPACITY OF 150kPa AS PER SOILS REPORT.
SUPPORTING 2 STOREY FLR. LOAD PROVIDE 42x42x18" (1070x1070x480) CONC. FOOTING
SUPPORTING 3 STOREY FLR. LOAD PROVIDE 48x48x24" (1220x1220x610) CONC. FOOTING
- 16 STEEL BEAM BEARING AT FOUNDATION WALL** (9.23.8.1)
BEAM POCKET OR 8'x8" (200x200) POURED CONC. NIB WALLS. MIN. BEARING 3" (76) (90). CONC. NIB WALLS HAVE EXTENDED FOOTINGS
- 17 WOOD STRAPPING AT STEEL BEAMS** (9.23.4.3(3), 9.23.9.3)
1x2" (19x6) CONTIN. WOOD STRAPPINGS BOTH SIDES OF STEEL BEAM.
- 18 CHAIR SLAB** (9.16, 9.35)
4" (100) 30MPa (4600psi) CONC. SLAB WITH 5-BR. AIR ENTRAINMENT ON OPT. 4" (100) COARSE GRANULAR FILL WITH COMPACTED SUB-BASE OR COMPACTED NATIVE FILL. SLOPE TO FRONT @ 1% MIN.
- 19 GARAGE TO HOUSE WALLS/CEILING** (9.10.9.16)
1/2" (12.7) GYPSUM BOARD ON WALL AND CEILING BETWEEN HOUSE AND GARAGE. PLUS REQUIRED INSULATION IN WALLS AND SPRAY FOAM FOR CEILING. TAPE AND SEAL ALL JOINTS GAS TIGHT. (9.10.17.10, CANULC-S705.2)

cont. SECTION 1.0. CONSTRUCTION NOTES

- 39 TWO STOREY VOLUME SPACES** (9.23.10.1, 9.23.11, 9.23.16)
WIND LOADS
- | WIND ASSEMBLY | WIND LOADS | |
|---------------------------|------------------------------|------------------------------|
| EXTERIOR STUDS | <= 0.5 kPa (650) | |
| SPACING | MAX HEIGHT | |
| BRICK 2'-2" (50) SPR. #2 | 12' (305) O.C. 16'-4" (5588) | 8' (200) O.C. 18'-4" (5588) |
| SIDING 2'-2" (50) SPR. #2 | 16' (406) O.C. 16'-4" (5588) | 12' (305) O.C. 18'-4" (5588) |
| BRICK 2'-2" (50) SPR. #2 | 12' (305) O.C. 21'-0" (6400) | 12' (305) O.C. 21'-0" (6400) |
| SIDING 2'-2" (50) SPR. #2 | 16' (406) O.C. 21'-0" (6400) | 16' (406) O.C. 21'-0" (6400) |
- ** STUD SIZE & SPACING TO BE VERIFIED BY STRUCTURAL ENGINEER **
- STUDS ARE TO BE CONTINUOUS, CW 3/8" (9.5) THICK EXTERIOR PLYWOOD SHEATHING. PROVIDE SOLID WOOD BLOCKING BETWEEN WOOD STUDS @ 4'-0" (1220) O.C. VERTICALLY.
- FOR HORIZ. DISTANCES LESS THAN 9'-6" (2906) PROVIDE 2'x6" (38x140) STUDS @ 16" (406) O.C. WITH CONTIN. 2'-2" (50) (2-38x140) TOP PLATE + 1-2'x6" (1-38x140) SPR. #2 @ 9'-0" (2730) O.C. CENTER. HEADER AT GROUND FLOOR CEILING LEVEL. TOE-NAIL & GLUED AT TOP. BOTTOM PLATES & HEADERS.
- 40 1 HR. PARTY WALL (CONC. BLOCK)** (9.8-13) WALL TYPE #6a & #10)
1/2" (12.7) GYPSUM SHEATHING ON EACH SIDE ON 2'x2" (38x38) VERTICAL W/ STRAPPING @ 24" (610) O.C. OR 9" (229) CONC. BLOCK FILL STRAPPING CAVITY EACH SIDE WITH AT LEAST 90% OF ABSORPTIVE MATERIAL PROCESSED FROM ROCK, SLAG OR GASS. TAPE, FILL & SAND ALL GYPSUM JOINTS. EXPOSED BLOCK MUST BE SEALED W/ 2 COATS OF PAINT OR FURRING PAPER @ 2'-0" (610) O.C. OR 9" (229) CONC. BLOCK FILL STRAPPING CAVITY WITH AT LEAST 90% OF ABSORPTIVE MATERIAL PROCESSED FROM ROCK, SLAG OR GASS. TAPE, FILL & SAND ALL GYPSUM JOINTS. UNFINISHED EXTERIOR FACE OF CONC. BLOCK TO BE SEALED WITH 2 COATS OF PAINT. GYPSUM SHEATHING TO BE ATTACHED TO CONC. BLOCK. REFER TO DETAILS)
- 40 1 HR. PARTY WALL (DOUBLE STUD)** (9.8-13) WALL TYPE #13)
5/8" (15.9) THICK X GYPSUM SHEATHING ON EXTERIOR SIDE OF 2 ROWS OF 2'x4" (38x90) STUDS @ 16" (406) O.C. MIN. 1/2" (25) GAP ON SEPARATE 2'x4" (38x90) SILL PLATES. (2'x6" (38x140) AS REQUIRED) FILL ONE SIDE OF STUD CAVITY WITH AT LEAST 90% OF ABSORPTIVE MATERIAL PROCESSED FROM ROCK, SLAG OR GASS. TAPE, FILL & SAND ALL GYPSUM JOINTS.
- 40A 2 HR. FIREWALL** (9.8-13) WALL TYPE #6a & #10)
1/2" (12.7) GYPSUM SHEATHING ON EACH SIDE ON 2'x2" (38x38) VERTICAL W/ STRAPPING @ 24" (610) O.C. OR 9" (229) CONC. BLOCK FILL STRAPPING CAVITY EACH SIDE WITH AT LEAST 90% OF ABSORPTIVE MATERIAL PROCESSED FROM ROCK, SLAG OR GASS. TAPE, FILL & SAND ALL GYPSUM JOINTS. UNFINISHED EXTERIOR FACE OF CONC. BLOCK TO BE SEALED WITH 2 COATS OF PAINT. GYPSUM SHEATHING TO BE ATTACHED TO CONC. BLOCK. REFER TO DETAILS)
- 41 STUCCO WALL CONSTRUCTION (2'x6")**
STUCCO FINISH CONFORMING TO O.B.C. SECTION 9.28. AND APPLIED PER MANUFACTURERS SPECIFICATIONS OVER 1 1/2" (38) E.L.F.S. (MINIMUM) ON APPROVED DRAINAGE MAT ON 1/2" (12.7) DENGLASS GOLD GYPSUM BOARD ON STUDS CONFORMING TO O.B.C (9.23.10.1) & SECTION 1.1. INSULATION, APPROVED 6 MIL POLYETHYLENE VAPOUR BARRIER, 1/2" (12.7) GYPSUM WALLBOARD INT. FINISH OR APPROVED EQ.
- 41A STUCCO WALL CONSTRUCTION (2'x6") W/ CONTIN. INSUL.**
STUCCO FINISH CONFORMING TO O.B.C. SECTION 9.28. AND APPLIED PER MANUFACTURERS SPECIFICATIONS OVER 1 1/2" (38) E.L.F.S. (MINIMUM) ON APPROVED DRAINAGE MAT ON APPROVED AIRWATER BARRIER AS PER O.B.C. 9.27.3. ON EXTERIOR TYPE RIGID INSULATION JOINTS UNLAPTED. MECHANICALLY FASTENED AS PER MANUFACTURERS SPECIFICATIONS. ON 3/8" (9.5) EXTERIOR TYPE SHEATHING ON STUDS CONFORMING TO O.B.C (9.23.10.1) & SECTION 1.1. INSULATION, APPROVED 6 MIL POLYETHYLENE VAPOUR BARRIER. 1/2" (12.7) GYPSUM WALLBOARD INT. FINISH. (REFER TO 35 NOTE AS REQUIRED)
- 41B STUCCO WALL @ GARAGE CONST.**
STUCCO FINISH CONFORMING TO O.B.C. SECTION 9.28. AND APPLIED PER MANUFACTURERS SPECIFICATIONS OVER 1 1/2" (38) E.L.F.S. (MINIMUM) ON APPROVED DRAINAGE MAT ON 1/2" (12.7) DENGLASS GOLD GYPSUM BRD. ON STUDS CONFORMING TO O.B.C (9.23.10.1) & SECTION 1.1. 1/2" (12.7) GYPSUM WALLBOARD INT. FINISH. REFER TO 35 NOTE AS REQ. ** FOR DWELLINGS USING CONTIN. INSULATION CONSTRUCTION PROVIDE APPROVED DRAINAGE MAT ON 7/16" (11) EXTERIOR TYPE SHEATHING OVER FURRING (AS REQ.) AND STUDS IN LIEU OF 1 1/2" (38) E.L.F.S. (MINIMUM) ON APPROVED DRAINAGE MAT ON 1/2" (12.7) DENGLASS GOLD GYPSUM BRD. ON STUDS CONFORMING TO O.B.C (9.23.10.1) & SECTION 1.1. 1/2" (12.7) GYPSUM WALLBOARD INT. FINISH. REFER TO 35 NOTE AS REQ. **
- 42 UNSUPPORTED FOUNDATION WALLS** (9.15.4.2)
REINFORCING AT STAIRS AND SUNKEN FLOOR AREAS
2-20M BARS IN TOP PORTION OF WALL UP TO 6'-0" OPENING
3-20M BARS IN TOP PORTION OF WALL 6'-0" TO 10'-0" OPENING
4-20M BARS IN TOP PORTION OF WALL 10'-0" TO 15'-0" OPENING
REINFORCING AT BASEMENT WINDOWS
2-15M HORIZ. REINFORCING ON THE INSIDE AND OUTSIDE FACE OF THE FOUNDATION WALL BELOW THE WIN. SILL. EXTEND BARS 24" (610) BEYOND THE OPENING. 2-15M VERTIC. REINFORCING ON THE INSIDE AND OUTSIDE FACE OF THE FOUNDATION WALL ON EACH SIDE OF THE WINDOW OPENING.
- BARS TO HAVE MIN. 1" (25) CONC. COVER
- BARS TO EXTEND 24" (610) BEYOND BOTH SIDES OF OPENING
- 43 STUD WALL REINFORCEMENT**
PROVIDE STUD WALL REINFORCEMENT IN MAIN BATHROOM CONFORMING TO O.B.C. (9.5.2.3.1)) (REFER TO DETAILS)
- 44 WINDOW WELLS**
WHERE A WINDOW OPENS INTO A WINDOW WELL, A CLEARANCE OF NOT LESS THAN 23 5/8" (600) SHALL BE PROVIDED IN FRONT OF THE WINDOW. EVERY WINDOW WELL SHALL BE DRAINED TO THE FOOTING LEVEL OR OTHER SUITABLE LOCATION WITH 4" (100) WEEPING TILE CW A FILTER CLOTH WRAP AND FILLED WITH CRUSHED STONE. (9.9.10.1(5), 9.14.6.3)
- 45 SLOPED CEILING CONSTRUCTION** (9.8-12) 3.1.1.8, 9.23.4.2)
2'x12" (38x26) ROOF JOISTS @ 16" (406) O.C. MAX. UNLESS OTHERWISE NOTED) W/ 2'x2" (38x38) PURLINS @ 16" (406) O.C. PERPENDICULAR TO ROOF JOIST (PURLINS NOT REQ. W/ SPRAY FOAM). W/ INSULATION BETWEEN JOIST DIRECTION. W/ 1 1/4" (32) CLEAR COVER FROM BOTTOM OF SLAB TO FIRST LAYER OF BARS & SECOND LAYER OF BARS LAD DIRECTLY ON TOP OF LOWER LAYER IN OPPOSITE DIR. 24x24" (610x610) 10M DOWELS @ 23 5/8" (600) O.C., ANCHORED IN PERIMETER FND. WALLS. SLOPE SLAB 1-0% FROM DOOR.
- 46 RANGE HOODS AND RANGE TAPS FANS**
COOKING APPLIANCE EXHAUST FANS VENTED TO EXTERIOR MUST CONFORM TO OBC 9.10.22, 9.32.9.3, & 9.32.3.10.
- 47 CONVENTIONAL ROOF FRAMING** (9.23.13, 9.23.15)
2'x6" (38x140) RAFTERS @ 16" (406) O.C. 2'x8" (38x184) RIDGE BOARD. 2'x4" (38x90) COLLAR TIES AT MID-SPAN. CEILING JOISTS TO BE 2'x4" (38x90) @ 16" (406) O.C. FOR MAX. SPAN 14'-7" (4493). RAFTERS FOR BUILT UP ROOF OVER PRE-ENGINEERED ROOF TRUSSES AND OR CONVENTIONAL FRAMING TO BE 2'x4" (38x90) @ 24" (610) O.C. UNLESS OTHERWISE SPECIFIED.
- BALCONY CONDITION**
SEE FLAT ROOF/BALCONY CONSTRUCTION NOTE. INCLUDE 2'x4" (38x90) PT. DECKING W/ 1/4" (6.4) GAPS LAD FLAT PARALLEL TO JOISTS ON 2'x4" (38x90) PT. SLEEPERS @ 10" (255) O.C. LAD FLAT PERPENDICULAR TO JOISTS
- BALCONY OVER HEATED SPACE CONDITION**
SEE FLAT ROOF/BALCONY CONSTRUCTION NOTE FOR ASSEMBLY. REFER TO PLANS FOR FLOOR, JOIST SIZE & REFER TO HEX NOTE 9 FOR INSULATION AND INTERIOR FINISH
- 47 BARREL WALL CONSTRUCTION**
CALVERTERED 2'x4" (38x90) SPACERS LAD FLAT ON 2'x10" (38x235) SPR. #2 ROOF JOIST NAILED TO BUILT-UP 3'-4" (19) PLYWOOD HEADER PROFILED FOR BARREL. SPRAY FOAM INSULATION BETWEEN JOISTS W/ GYPSUM BOARD. INTERIOR FIN. (REFER TO DETAILS)

REFER TO SB-12 ENERGY EFFICIENCY DESIGN MATRIX ON THE TITLE PAGE FOR ALL VALUES AS REQUIRED PER 3.1.1., 3.1.2., 3.1.3. OF THE OBC.

SECTION 1.1. WALL STUDS

- REFER TO THIS CHART FOR STUD SIZE & SPACING AS REQUIRED FOR EXTERIOR WALLS ONLY. REFER TO SITING & GRADING PLAN OF THIS UNIT FOR CONFORMATION OF TOP OF FOUNDATION WALL AND ADDITIONAL INFORMATION.
- IF STUD WALL HEIGHT EXCEEDS MAX. UNSUPPORTED HEIGHT, WALL NEEDS TO BE REVIEWED AND APPROVED BY ENGINEER.
- | MIN. STUD SIZE (ft/mm) | STUDS: (OBC REFERENCE - TABLE 9.23.10.1) |
|------------------------|--|
| ROOF W/ OR W/O ATTIC | ROOF W/ OR W/O ATTIC & FLOOR/ATTIC & FLOOR/ATTIC & FLOOR |
| 2'x4" (50) | 16" (406) |
| 2'x6" (50) | 12" (305) |
| 2'x8" (50) | 12" (305) |
| 3'x4" (76) | 12" (305) |
| 3'x6" (76) | 12" (305)</ |