



ELEVATION 'B'

20-2146 CRN (2006)

SB-12 ENERGY EFFICIENCY DESIGN MATRIX

COMPLIANCE METHOD			
DEDEODAMA	SPACE HEATING FUEL		
PERFORMANCE	■ GAS	□ OIL	
l .	□ ELECTRIC	☐ PROPANE	
(BETTER THAN CODE)	□ EARTH	☐ SOLID FUEL	

,	□ EANTH □ SOUD FUEL		
BUILDING COMPONENT	PROPOSED		
INSULATION RSI (R) VALUE			
CEILING W/ ATTIC SPACE	R60		
CEILING W/O ATTIC SPACE	R40		
EXPOSED FLOOR	R31		
WALLS ABOVE GRADE	R22+5		
BASEMENT WALLS	R20		
BELOW GRADE SLAB ENTIRE SURFACE > 600mm BELOW GRADE	N/A		
SLAB (EDGE ONLY < 600mm BELOW GRADE)	R10		
HEATED SLAB ≤ 600mm BELOW GRADE	N/A		
CONC. SLAB ≤ 600mm BELOW GRADE	N/A		
WINDOWS & DOORS			
WINDOWS/SLIDING GLASS DOORS (MAX U-VALUE or MIN. ER)	1.6U OR 25 ER		
SKYLIGHTS (MAX. U-VALUE)	1.8U		
APPLIANCE EFFICIENCY			
SPACE HEATING EQUIP. (AFUE%)	96%		
HRV EFFICIENCY (%)	75%		
DHW HEATER (EF)	0.8 + 47% DWHR		

AREA CALCULATIONS	EL. 'A'	EL. 'B'				
	STD. PLAN	STD. PLAN				
GROUND FLOOR AREA	977 sq. ft.	979 sq. ft.				
SECOND FLOOR AREA	1169 sq. ft.	1181 sq. ft.				
SUBTOTAL	2146 sq. ft.	2160 sq. ft.				
DEDUCT ALL OPEN AREAS	0 sq. ft.	0 sq. ft.				
TOTAL NET AREA	2146 sq. ft.	2160 sq. ft.			EL. 'A'	EL. 'B'
	(199.37 sq. m.)	(200.67 sq. m.)			L.O.D. ALT. PLAN	L.O.D. ALT. PLAN
FIN. BASEMENT AREA	538 sq. ft.	534 sq. ft.			3555 sq. ft.	3564 sq. ft.
COVERAGE	1195 sq. ft.	1195 sq. ft.			(330.27 sq. m.)	(331.11 sq. m.)
W/OUT PORCH	(111.02 sq. m.)	(111.02 sq. m.)			420 sq. ft.	420 sq. ft.
COVERAGE	1266 sq. ft.	1266 sq. ft.			(39.02 sq. m.)	(39.02 sq. m.)
W/ PORCH	(117.62 sq. m.)	(117.62 sq. m.)			11.81 %	11.78 %
WINDOW / WALL AREA	EL. 'A'	EL. 'B'	EL. 'A'	EL. 'B'	EL. 'A'	EL. 'B'
CALCULATIONS	STD. PLAN	STD. PLAN	ALT PLAN	ALT. PLAN	L.O.D.	L.O.D.
GROSS WALL AREA	3453 sq. ft.	3462 sq. ft.	3453 sq. ft.	3461 sq. ft.	3555 sq. ft.	3564 sq. ft.
GNOSS WALL AREA	(320.79 sq. m.)	(321.63 sq. m.)	(320.79 sq. m.)	(321.54 sq. m.)	(330.27 sq. m.)	(331.11 sq. m.)
GROSS WINDOW AREA	423 sq. ft.	422 sq. ft.	417 sq. ft.	417 sq. ft.	426 sq. ft.	425 sq. ft.
(INCL. GLASS DOORS & SKYLIGHTS)	(39.30 sq. m.)	(39.21 sq. m.)	(38.74 sq. m.)	(38.74 sq. m.)	(39.58 sq. m.)	(39.48 sq. m.)
TOTAL WINDOW %	12.25 %	12.19 %	12.08 %	12.05 %	11.98 %	11.92 %

HABIT ELEV/ ELEV/

- 1 TITLE PAGE
- 2 BASEMENT PLAN, ELEV. 'A'
- 3 GROUND FLOOR PLAN, ELEV. 'A'
- 4 SECOND FLOOR PLAN, ELEV. 'A'
- 5 ALT. SECOND FLOOR PLAN, ELEV. 'A'
- 5a PART. SUNKEN AREA FLOOR PLANS
- 6 BASEMENT PLAN, ELEV. 'B'
- 7 GROUND FLOOR PLAN, ELEV. 'B'
- 8 SECOND FLOOR PLAN, ELEV. 'B'
- 9 ALT. SECOND FLOOR PLAN, ELEV. 'B'
- 10 FRONT & REAR ELEVATION 'A'
- 11 FLANKAGE ELEVATION 'A'
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- 14 CROSS SECTION 'A-A'
- 15 CONSTRUCTION NOTES 1
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- D1 WALL SECTION 1
- D2 WALL SECTION 2
- D3 PARTY WALL DETAIL
- D4 HYDRO METER DETAIL D5 - GAS METER DETAIL
- E1 ELECTRICAL PLANS
- E2 ELECTRICAL PLANS
- W1 PART. PLANS & ELEV. 'A' & 'B' L.O.D. CONDITION

OSS WINDOW AREA	423 sq. ft.	422 sq. ft.	417 sq. ft.	417 sq. ft.	426 sq. ft.	425 sq. ft.	14. REVISED LAUNDRY AREA FOR OPT. BDRM. 2 & ELEC. PANEL LOCATION	
GLASS DOORS & SKYLIGHTS)	(39.30 sq. m.)	(39.21 sq. m.)	(38.74 sq. m.)	(38.74 sq. m.)	(39.58 sq. m.)	(39.48 sq. m.)	13.ISSUED FOR PERMIT	
TAL WINDOW %	12.25 %	12.19 %	12.08 %	12.05 %	11.98 %	11.92 %	12. REVISED AS PER CLIENT'S COMMENTS	
BITABLE AREA							11.REVISED AS PER CLIENT'S COMMENTS	
EVATION A = 1170.04 sq		,					10. REVISED BASEMENTS TO 9' CEILING	
EVATION B = 1181.02 sq	η. π (109.72 sq. r	n)					9. CO-ORD. W/ STRUCTURAL ENG. COMMENTS	
							8. REVISED AS PER CLIENT'S COMMENTS	
							7. REVISED AS PER CLIENT COMMENTS (ROOF PITCH REDUCTION)	
11							6. CO-ORD. W/ FLOOR LAYOUTS	
-		200					5. BASEMENT BATHROOM REVISED	
							4. REVISED AS PER CLIENT COMMENTS (BASEMENT WINDOWS)	
THE APPLY	7771/	M					3. REVISED AS PER CLIENT COMMENTS	
HHAIF	-1W [2. REVISED AS PER CLIENT COMMENTS			
	TAA	NV	7				1. ISSUED FOR CLIENT REVIEW	

DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER.

HOME AT LAST*

Dominic Mobilio 21274 HUNT DESIGN ASSOCIATES INC. 19695 www.huntdesign.ca

HEATHWOOD HOMES - 217132 WALLACETON, KITCHENER, ON

REVISIONS

17. REVISED HYDRO METER FOUNDATION AS PER CLIENT COMMENT

15. REVISED HYDRO METER LOCATION AS PER CLIENT'S REQUEST

16, ADDED MUDROOM -7R SUNKEN CONDITION

20-2146 CRN (2006) REV.2020.06.15

2020/06/15

2020/05/27

2019/08/14

2019/08/07 2019/06/05

2019/04/23

2019/03/19

2019/03/12

2019/02/05

2019/01/28 2019/01/14

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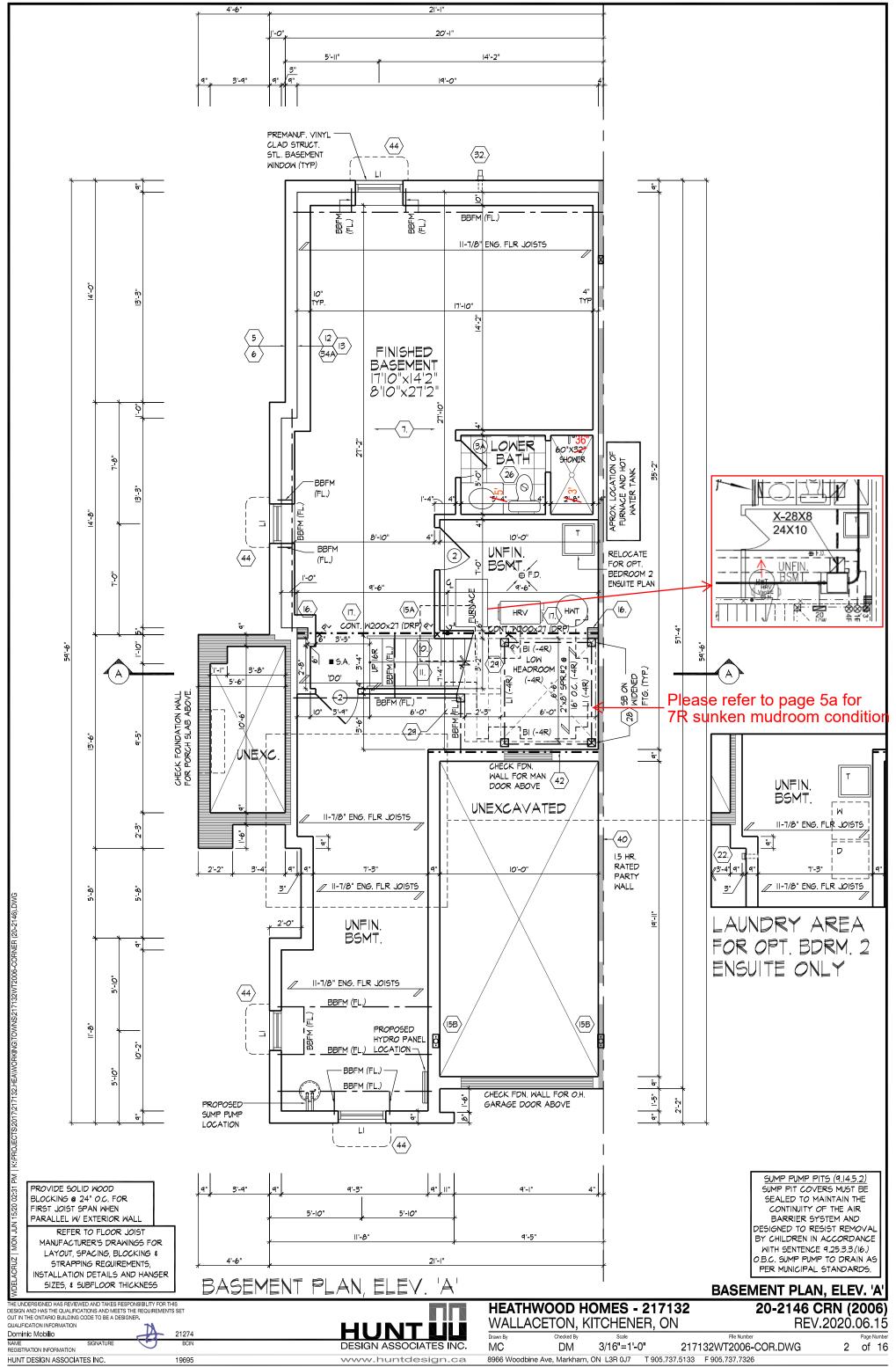
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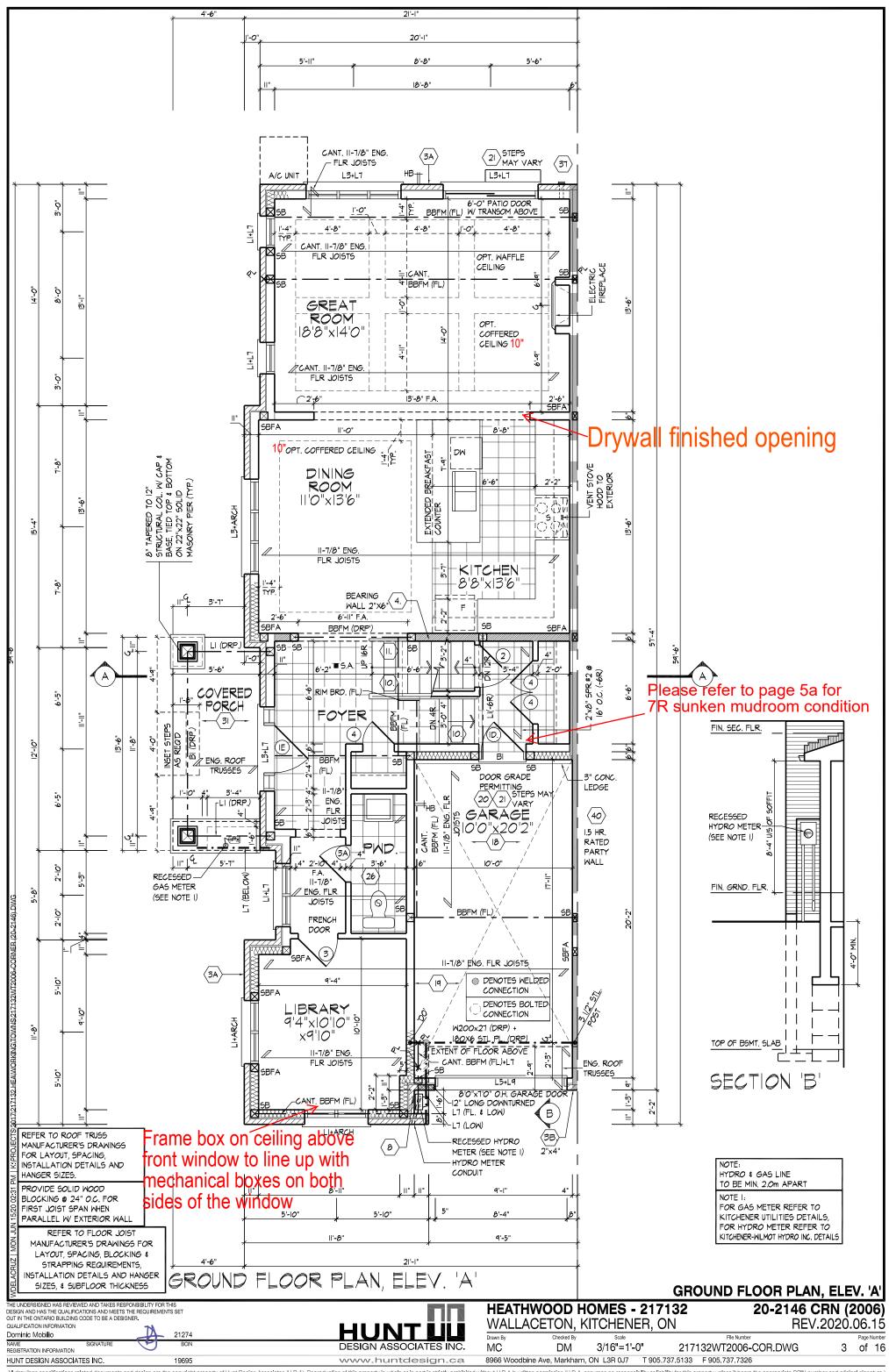
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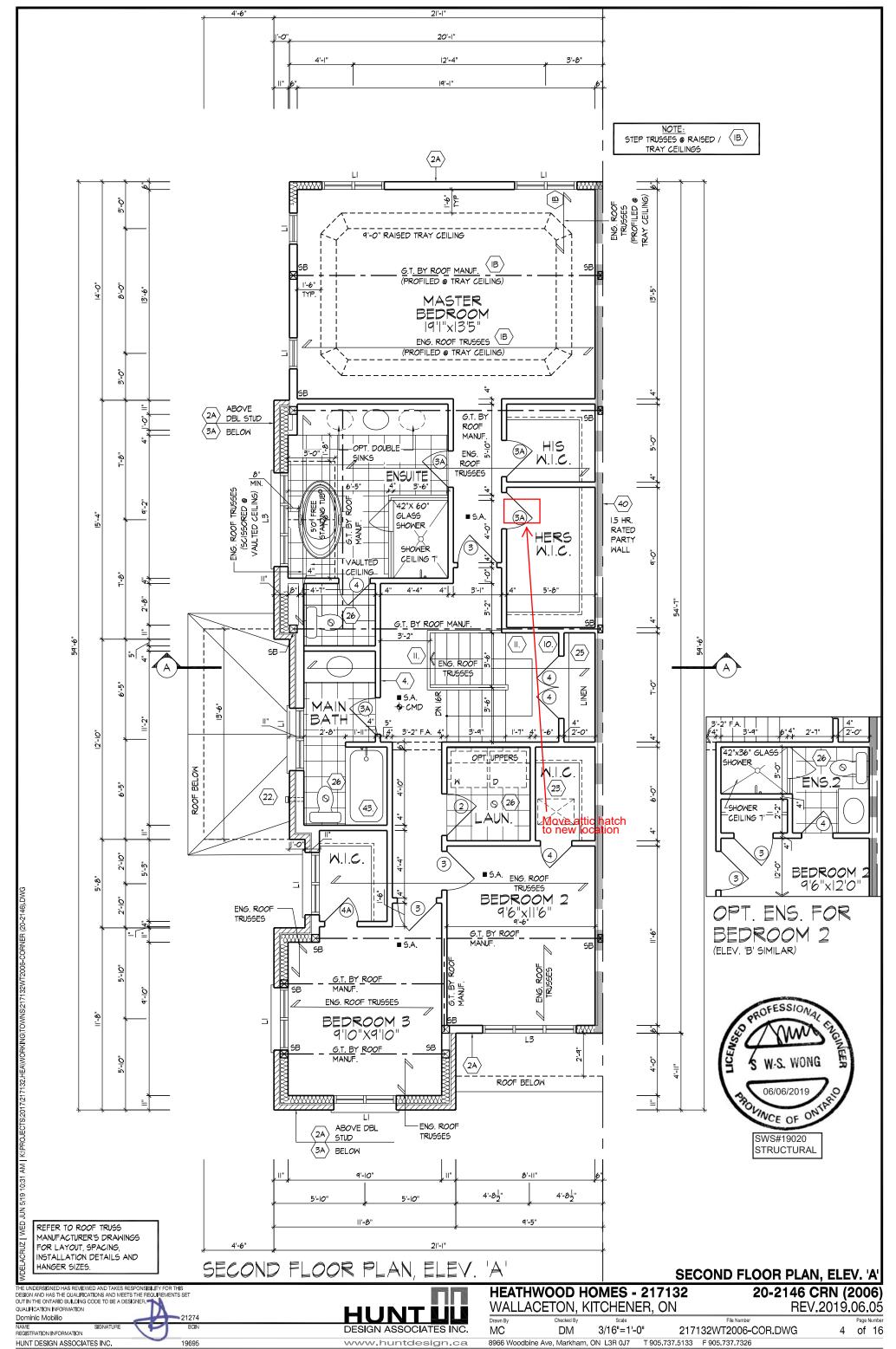
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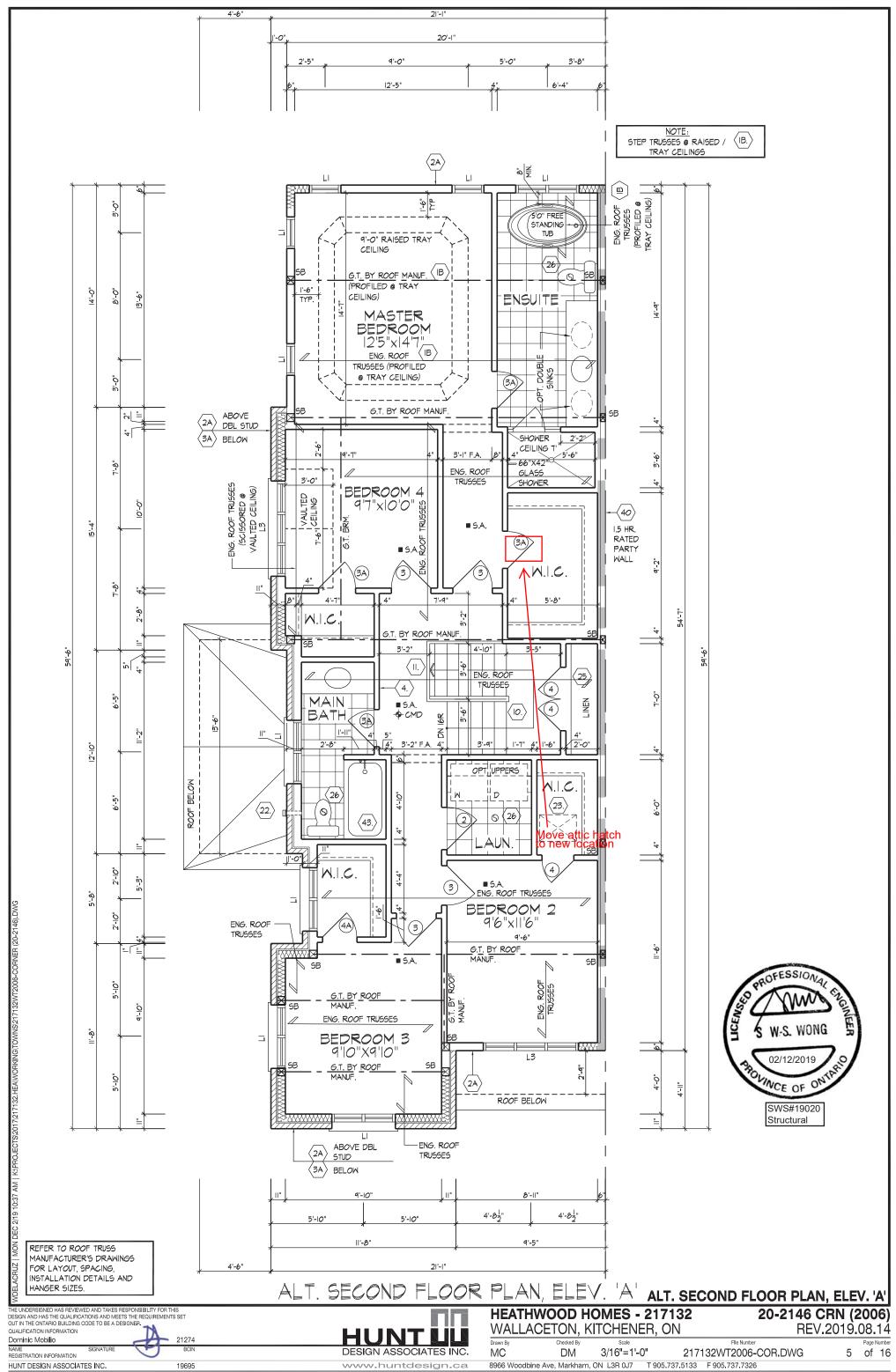
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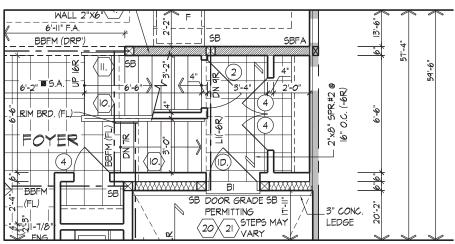




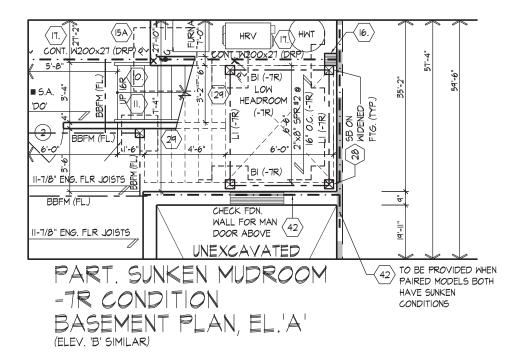








PART. SUNKEN MUDROOM -TR CONDITION GROUND FLOOR PLAN, EL.'A' (ELEV. 'B' SIMILAR)



REFER TO FLOOR JOIST MANUFACTURER'S DRAWINGS FOR LAYOUT, SPACING, BLOCKING & STRAPPING REQUIREMENTS INSTALLATION DETAILS AND HANGER SIZES, & SUBFLOOR THICKNESS

DESIGN AND HAS THE QUALIFICATIONS AND MEETS OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGN QUALIFICATION INFORMATION

Dominic Mobilio

PROVIDE SOLID WOOD BLOCKING @ 24" O.C. FOR FIRST JOIST SPAN WHEN PARALLEL W/ EXTERIOR WALL

21274

REFER TO STANDARD PLAN FOR COMPLETE CONSTRUCTION NOTES & DIMENSIONS

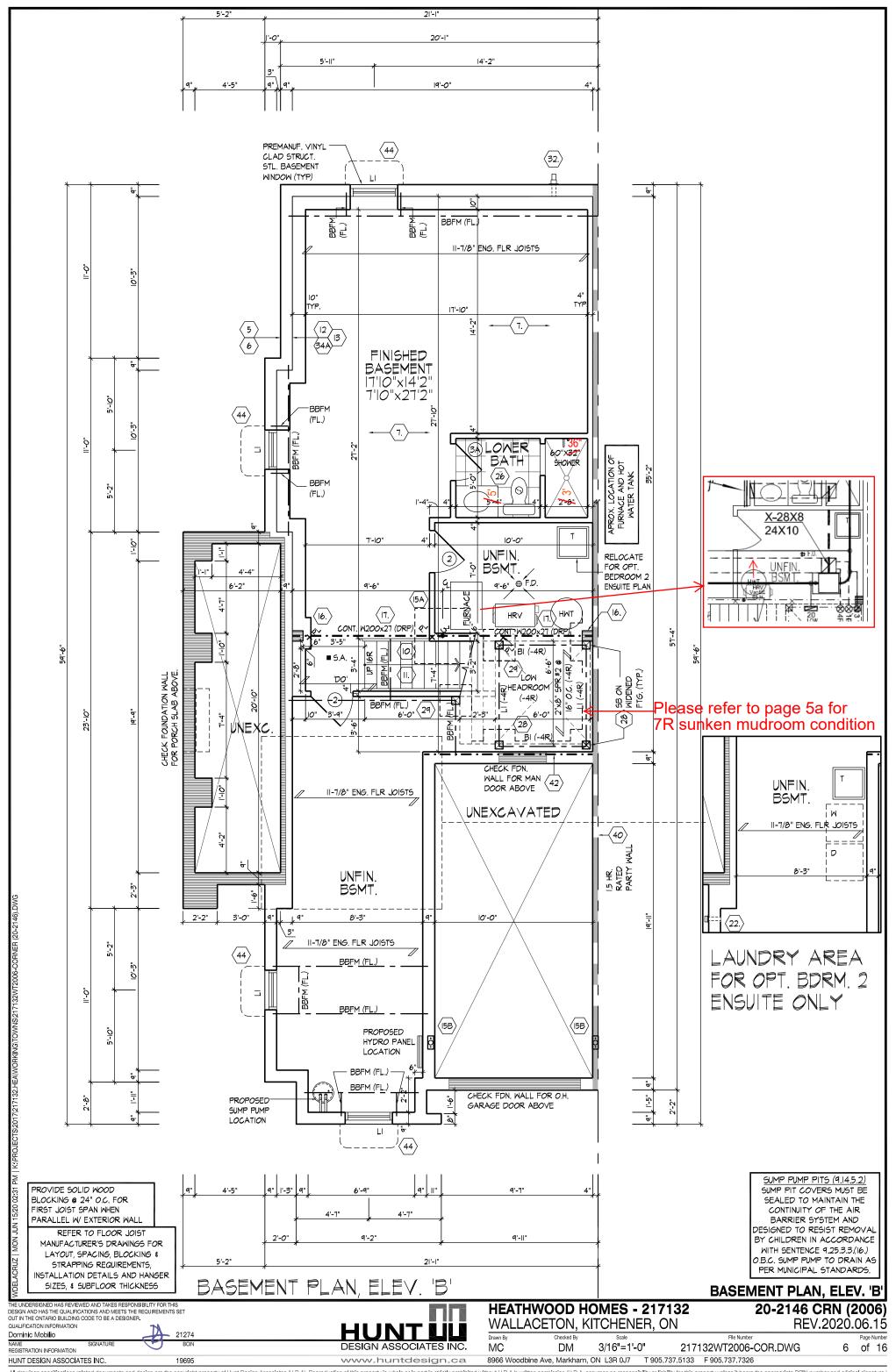
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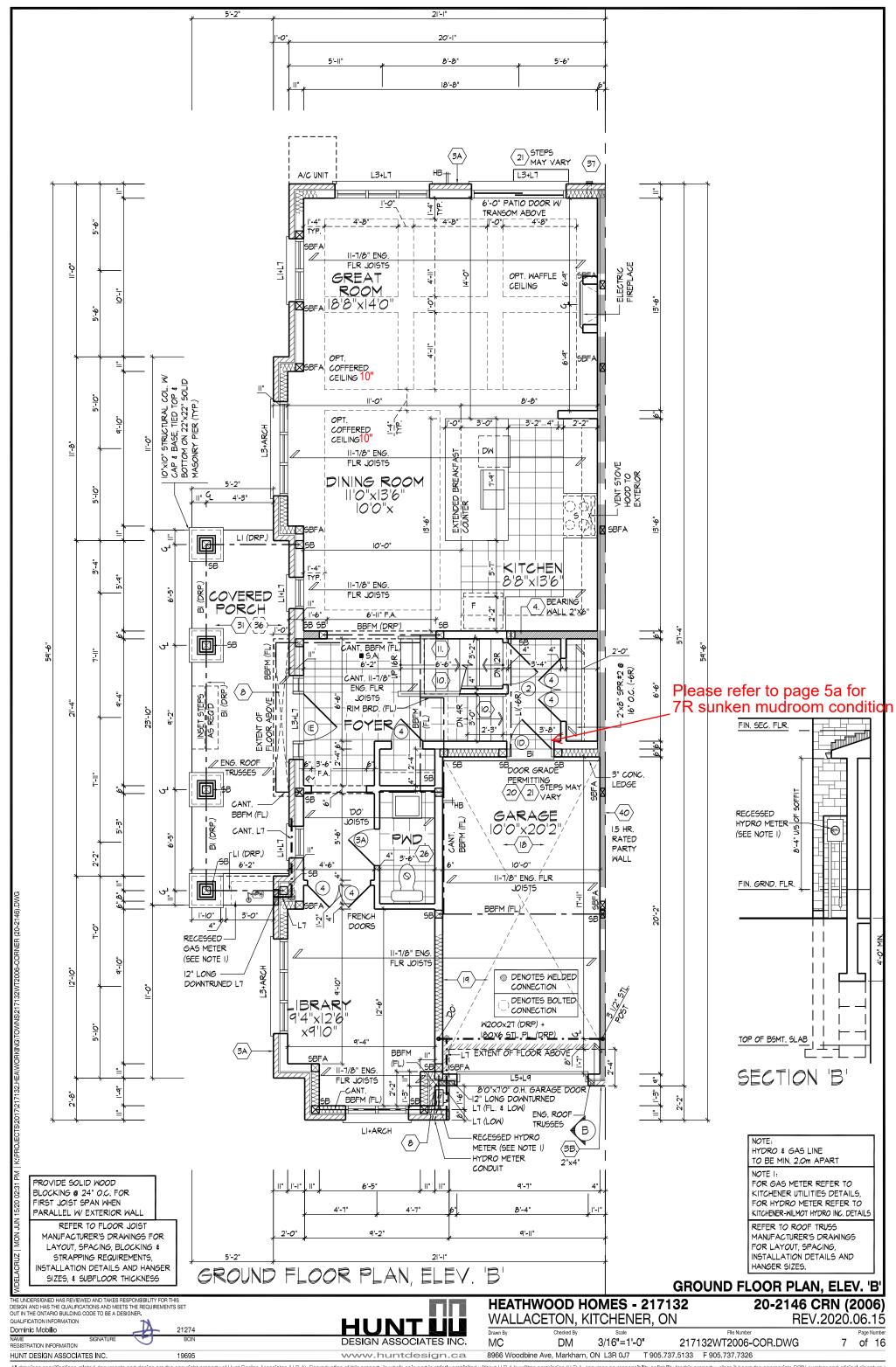
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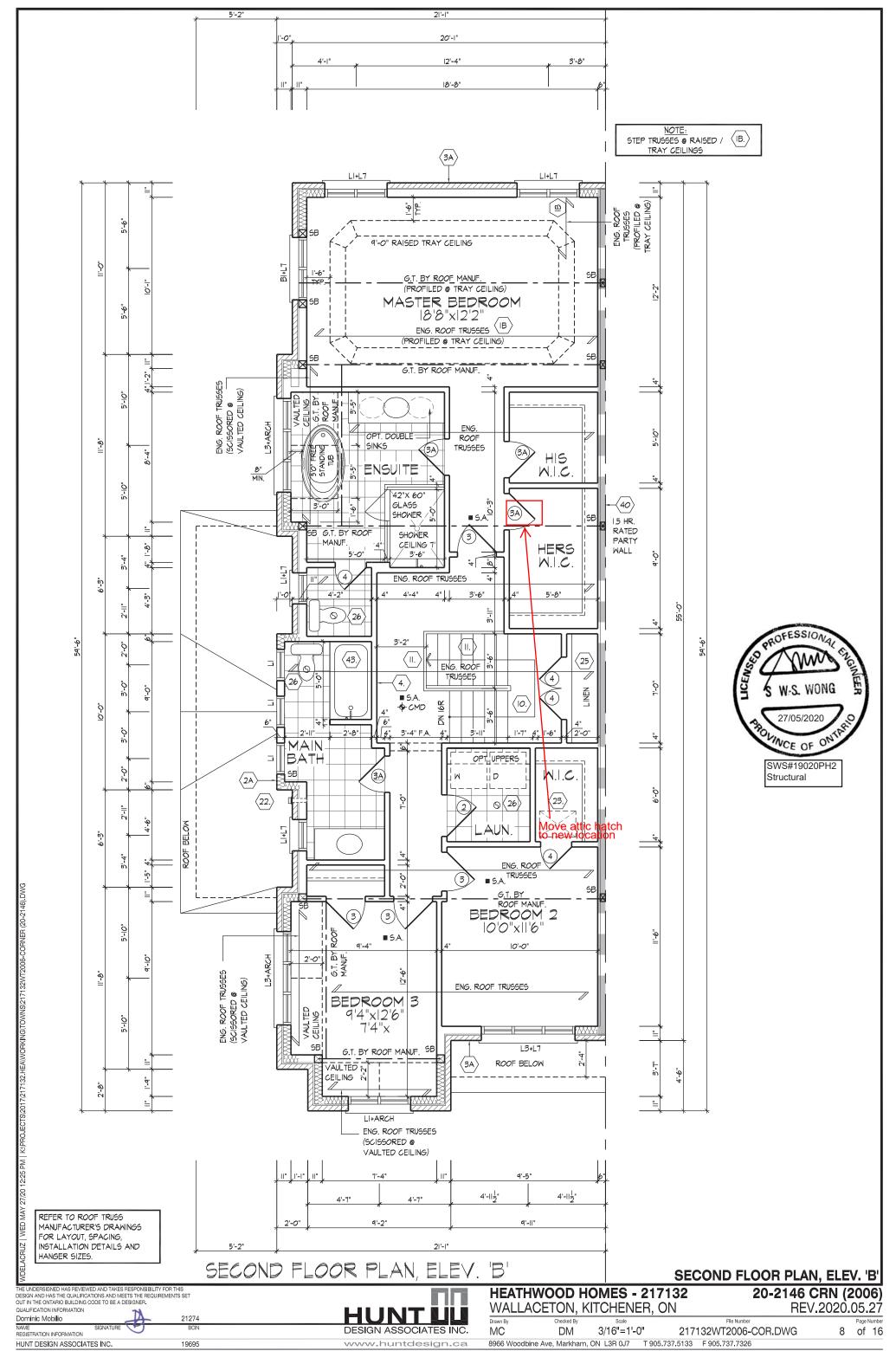
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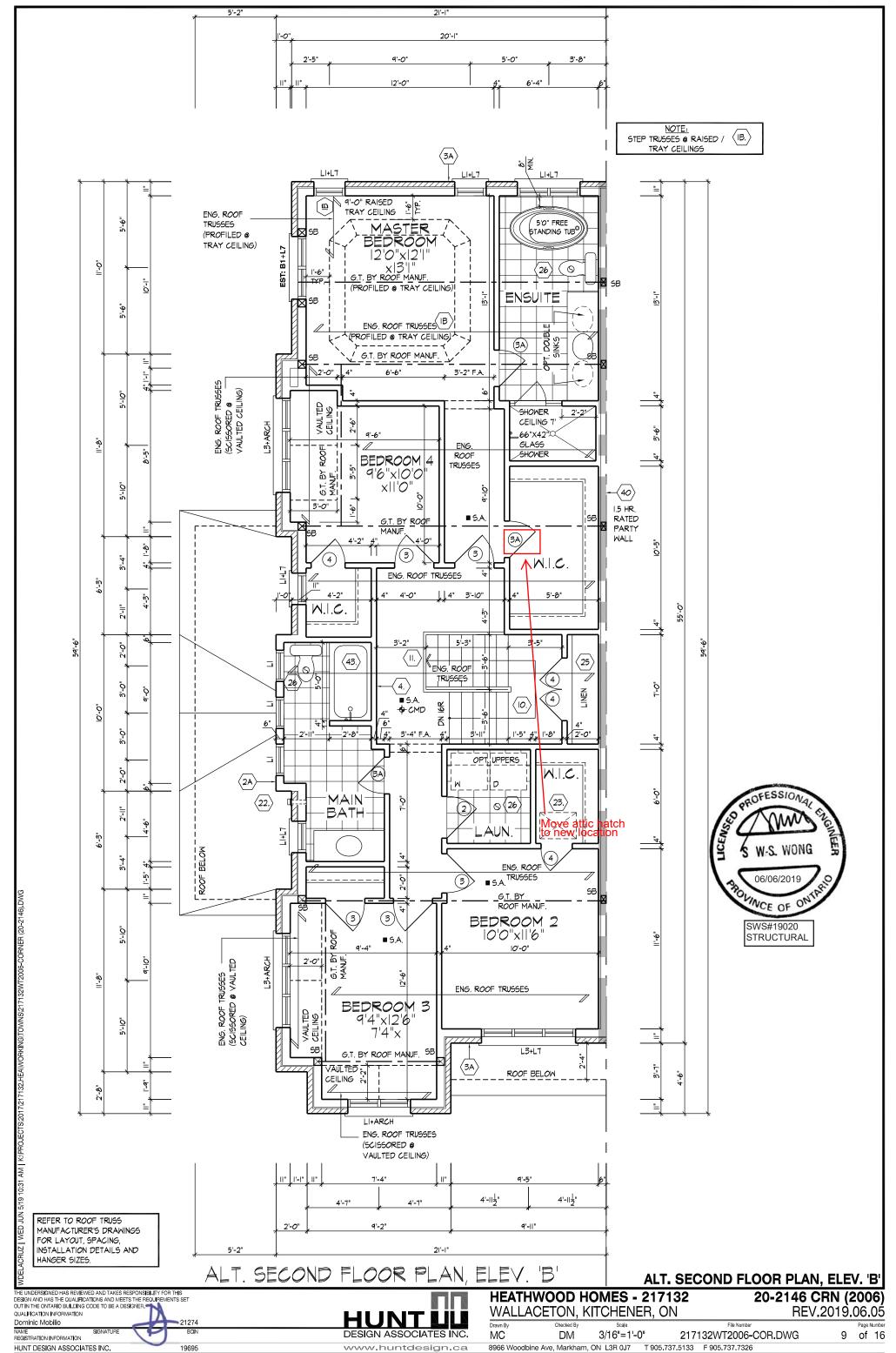
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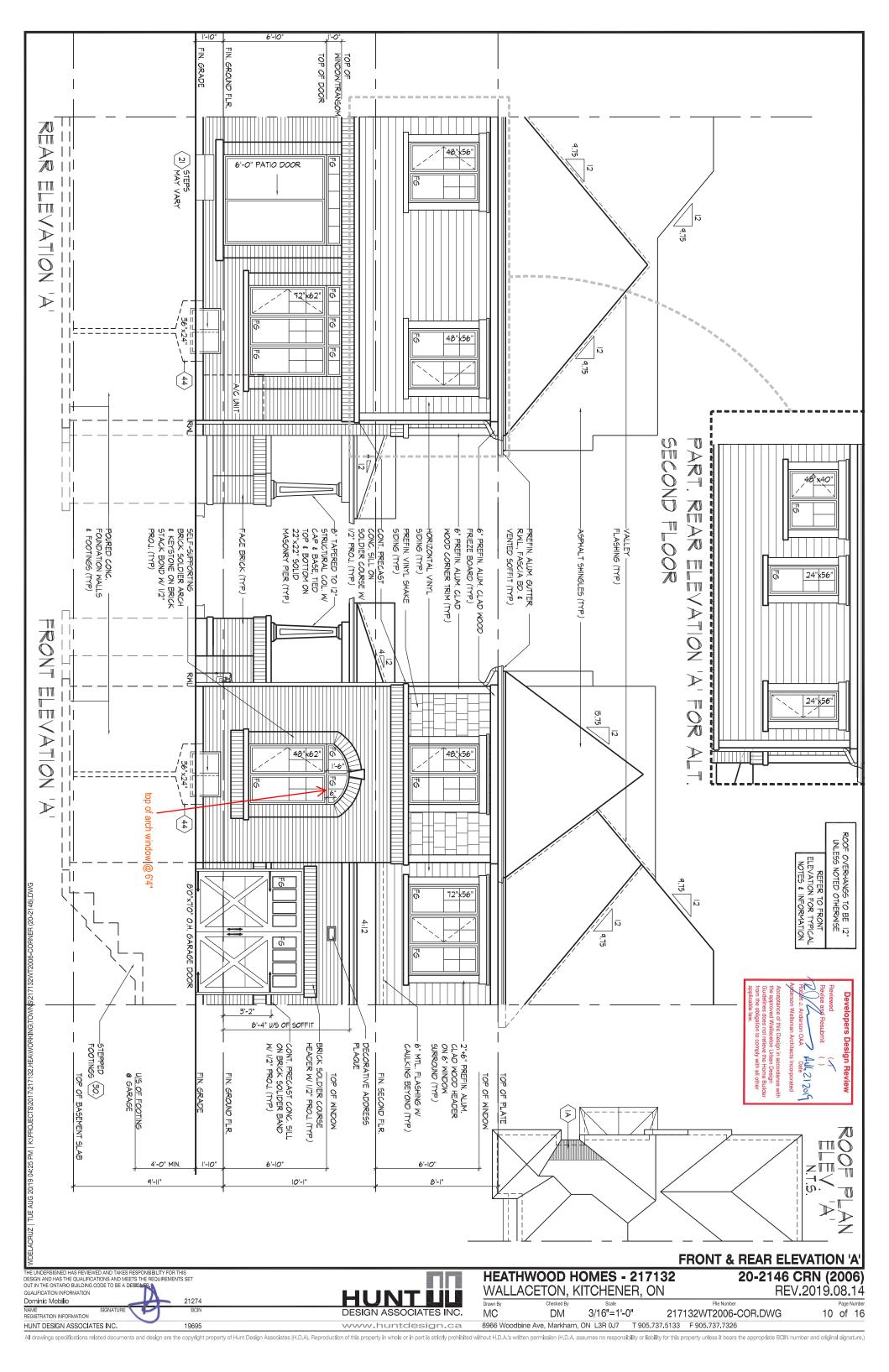
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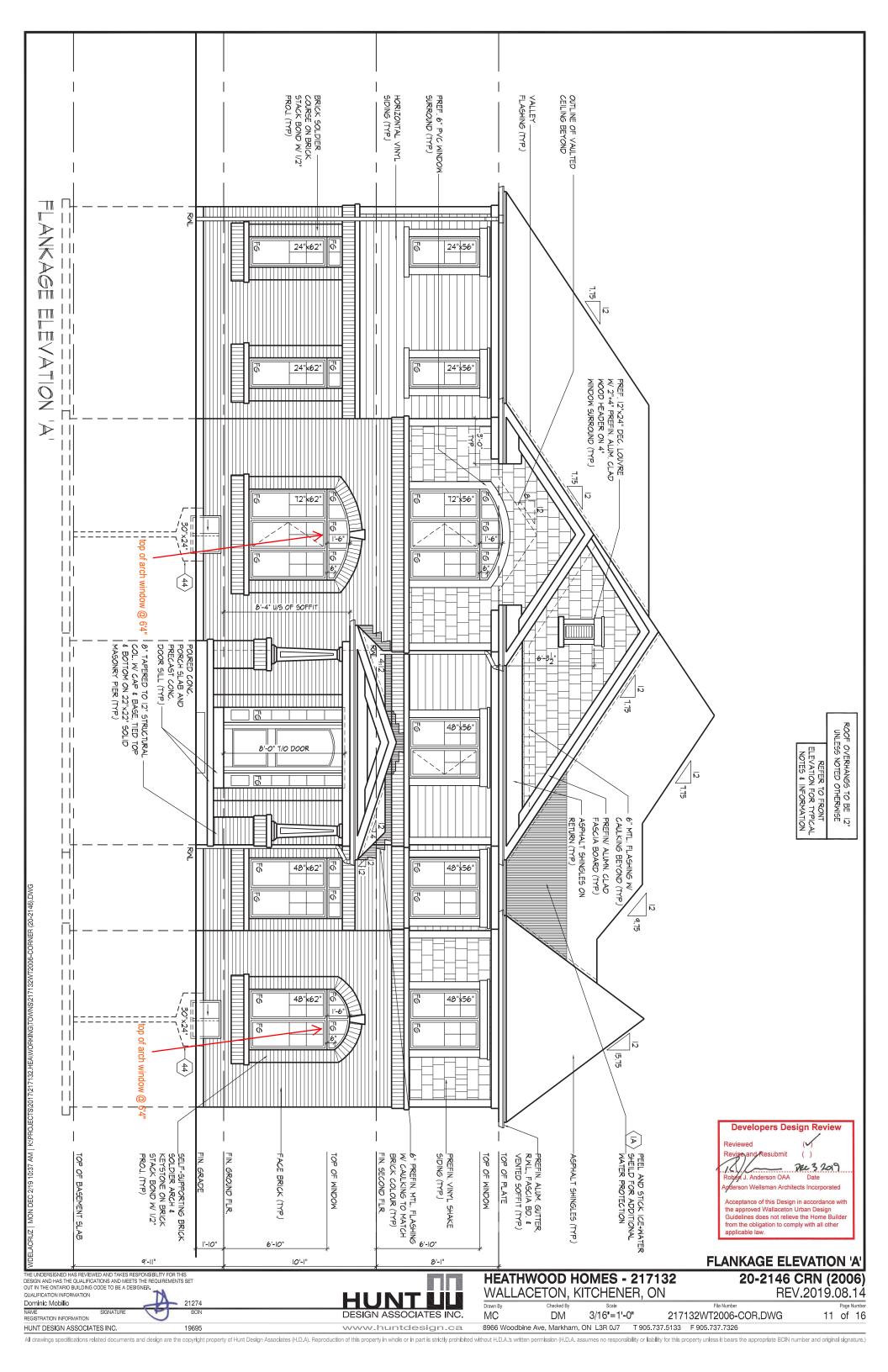


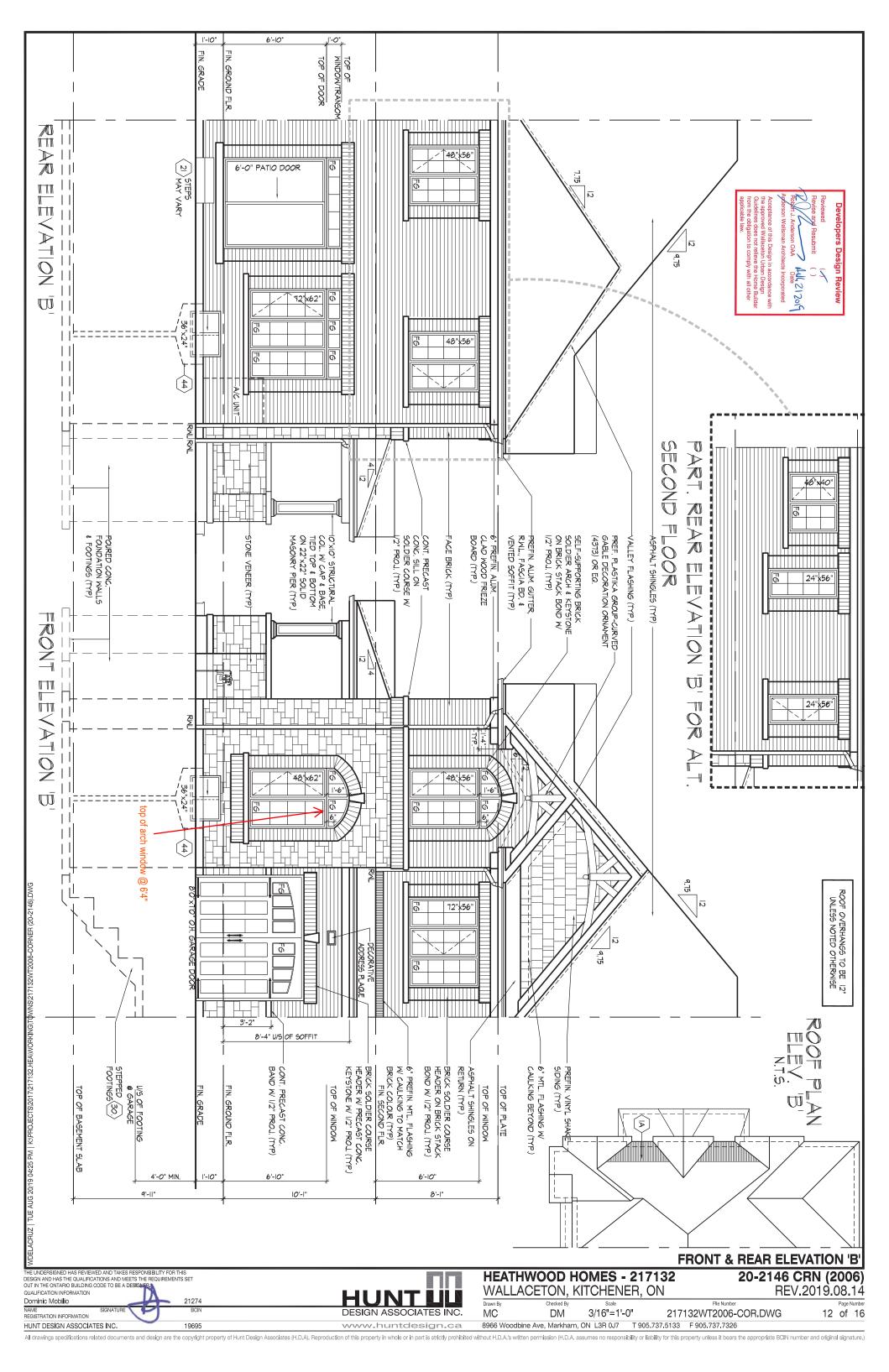


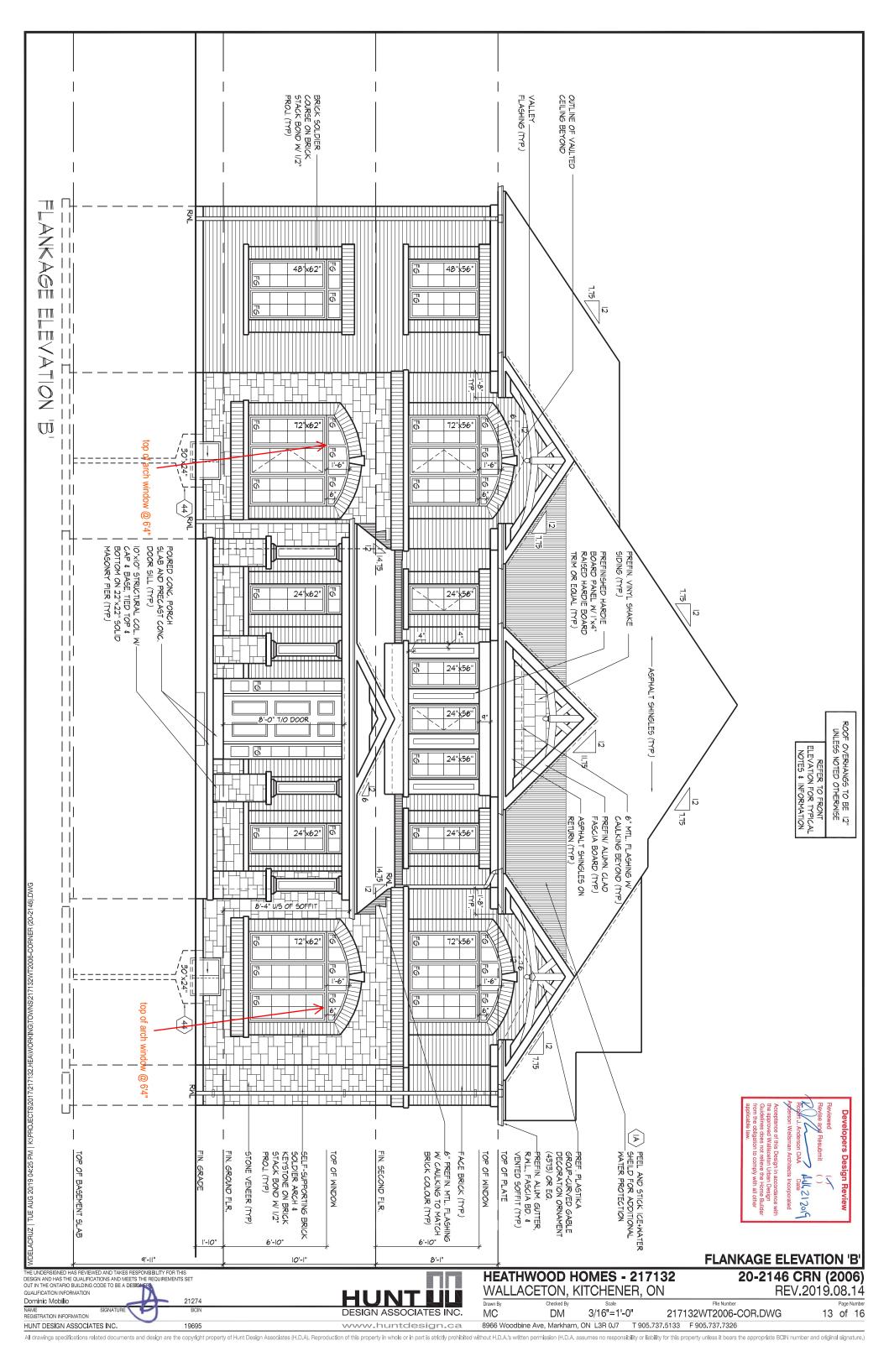


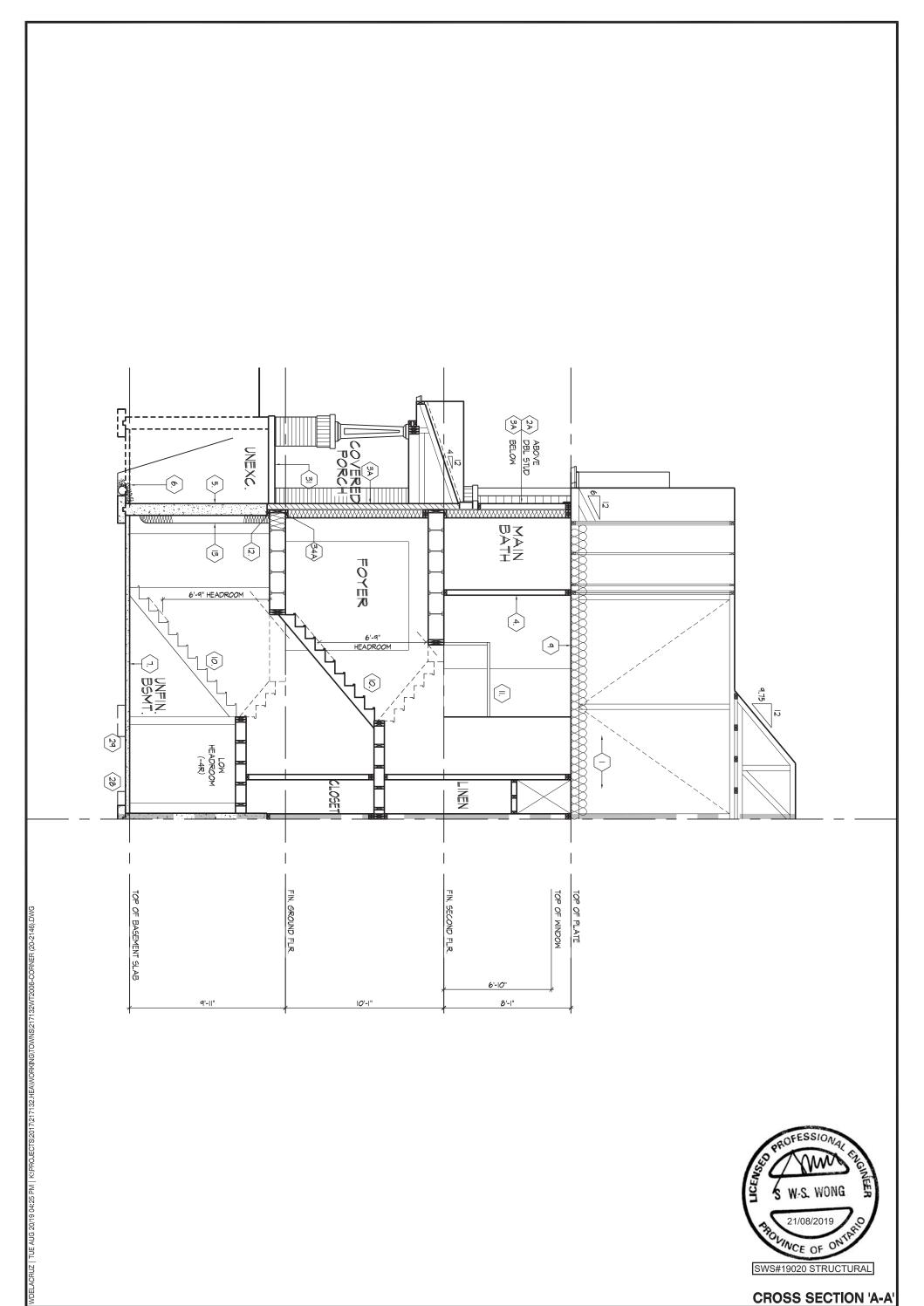












20-2146 CRN (2006) **HEATHWOOD HOMES - 217132** WALLACETON, KITCHENER, ON REV.2019.08.14 File Number

217132WT2006-COR.DWG

3/16"=1'-0"

DM

14 of 16

Dominic Mobilio
NAME
REGISTRATION INFORMATION HUNT DESIGN ASSOCIATES INC. 19695 www.huntdesign.ca 8966 Woodbine Ave, Markham, ON L3R 0J7 T 905.737.5133 F 905.737.7326 All drawings specifications related documents and design are the copyright property of Hunt Design Associates (H.D.A.). Reproduction of this property in whole or in part is strictly prohibited without H.D.A.'s written permission (H.D.A. assumes no responsibility or this property unless it bears the appropriate BCIN number and original signature.)

MC

THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE ONTARIO BULLDING ODE TO BE A DESIGNED. QUALIFICATION INFORMATION

21274

ICE AND WATER SHIELD

PROVIDE ICE AND WATER SHIELD IN THE AREAS INDICATED. THE ICE AND WATER SHIELD SHALL BE A SELF ADHERING AND SELF SEALING MEMBRANE. SIDE LAPS MUST BE A MINIMUM 3 1/2" (90) AND END LAPS A MINIMUM 6" (152). AND TO EXTEND UP DORMER WALLS A MINIMUM 12" (305).

PROFILED ROOF TRUSSES (1B)

ROOF TRUSSES SHALL BE PROFILED AND/OR STEPPED AT RAISED COFFER/TRAY CEILINGS. ANGLED TRAY CEILINGS WILL BE SHEATHED W/ 3/8" (9.5) PLYWOOD.

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 STUDS CONFORMING TO 0.B.C (9.23.10.1.) & SECTION 1.1., WITH APPROVED CROSS BRACING, INSULATION, APPROVED 6 MIL POLYETHYLENE AIR/VAPOUR 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.)) (REFER TO 35 NOTE AS REQ.)

SIDING WALL CONSTRUCTION (2"x6") W/ CONTIN. INSULATION SIDING MATERIAL AS PER ELEVATION ATTACHED TO FURRING MEMBERS ON APPROVED AIR/WATER BARRIER AS PER O.B.C. 9.27.3. ON EXTERIOR TYPE RIGID INSULATION (JOINTS UNTAPED) MECHANICALLY FASTENED AS PER MANUFACTURER'S SPECIFICATIONS ON STUDS CONFORMING TO O.B.C. (9.23.10.1.) & SECTION 1.1., WITH APPROVED CROSS BRACING, INSULATION, APPROVED 6 MIL POLYETHYLENE AIR/VAPOUR BARRIER, ON 1/2" (12.7) GYPSUM WALLBOARD INT. FIN. (GYPSUM SHEATHING, RIGID INSULATION, AND FIBERBOARD SHALL NOT BE USED FOR THE ATTACHMENT OF SIGNIC (2021 AC (4.1)) OFFICE TO A STATE OF SIGNIC (2021 AC (4.1)) OFFICE FOR THE ATTACHMENT OF SIDING (9.23.16.3.(1.)) (REFER TO 35 NOTE AS REQ.)

SIDING WALL @ GARAGE CONSTRUCTION

SIDING MATERIAL AS PER ELEVATION ATTACHED TO FRAMING MEMBERS FURRING MATERIAL AS PER ELEVATION ATTACHED TO PRAVING MEMBERS ON FURRING MEMBERS OR BLOCKING BETWEEN THE FRAMING MEMBERS ON APPROVED SHEATHING PAPER ON 7/16" (11.1) OSB 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. (GYPSUM SHEATHING, RIGID INSULATION AND FIBERBOARD SHALL NOT BE USED FOR THE ATTACHMENT OF SIDING (9.23.16.3.(1.)) (REFER TO 35 NOTE AS REQ.)

BRICK VENEER WALL CONSTRUCTION (2"x6")

3 1/2" (90) BRICK VENEER 1" (25) AIR SPACE, 7/8"x7"x0.03" (22x180x0.76) GALV. METAL TIES @ 16" (400) O.C. HORIZ. 24" (600) O.C. VERT. BONDING AND FASTENING FOR TIES TO CONFORM WITH 9,20,9, ON APPROVED SHEATHING PAPER, STUDS CONFORMING TO O.B.C (9,23,10,1.) & SECTION 1.1., WITH APPROVED CROSS BRACING, 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' (150) BEHIND BUILDING PAPER (9.20.13.6.) (REFER TO 35 NOTE AS REQUIRED)

BRICK VENEER WALL CONSTRUCTION (2"x6") W/ CONTIN. INSULATION 3 1/2" (90) BRICK VENEER 1" (25) AIR SPACE. 7/8"x"/*x0.03" (22x180x0.76) GALV. METAL TIES @ 16" (400) O.C. HORIZ. 24" (600) O.C. VERT. BONDING AND FASTENING FOR TIES TO CONFORM WITH 9.20.9. ON APPROVED AIR/WATER BARRIER AS PER O.B.C. 9.27.3. ON EXTERIOR TYPE RIGID INSULATION (JOINTS UNTAPED) MECHANICALLY FASTENED AS PER MANUFACTURER'S SPECIFICATIONS, STUDS CONFORMING TO PASTEINED AS PER MANUFACTURER'S SPECIFICATIONS, STUDS CONFORMING TO O.B.C. (9.23.10.1.), & SCETION 1.1., WITH APPROVED CROSS BRACING, INSULATION AND 6 mil POLYETHYLENE VAPOUR BARRIER WITH APPROVED CONTIN. AIR BARRIER. 1/2" (12.7) CYPSUM WALLBOARD INTERIOR FINISH. PROVIDE WEEP HOLES @ 32" (800) O.C. BOTTOM COURSE AND OVER OPENINGS. PROVIDE BASE FLASHING UP MIN. 6" (150) OVER RIGID INSULATION (9.20.13.6.) (REFER TO 35 NOTE AS REQUIRED)

BRICK VENEER WALL @ GARAGE CONSTRUCTION

3 1/2" (90) BRICK VENEER, MIN. 1" (25) AIR SPACE, 7/8"x7"x0.03" (22x180x0.76) GALV. METAL TIES @ 16" (400) O.C. HORIZ. 24" (600) O.C. VERT. BONDING AND FASTENING FOR TIES TO CONFORM WITH 9.20.9. ON APPROVED SHEATHING PAPER, 7/16" (11.1) OSB 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. AT BOTTOM COURSE AND OVER OPENINGS, PROVIDE BASE FLASHING UP 6" (150) MIN. BEHIND BUILDING PAPER (9.20.13.6.) (REFER TO 35 NOTE AS REQ.)

INTERIOR STUD PARTITIONS (9.23.9.8., 9.23.10)

BEARING PARTITIONS SHALL BE A MINIMUM 2"x4" (38x89) @ 16" (406) O.C. FOR 2 DEAHING PARTITIONS STALE DE A MINIMINUM 244 (30X89) (Ø 16 (400) U.C. FOR 2 STOREY AND 12° (305) O.C. FOR 3 STOREY, NON-BEARING PARTITIONS 2°x4° (38x89) @ 24° (610) O.C. PROVIDE 2°x4° (38x89) BOTTOM PLATE AND 2-2°x4° (2-38x89) TOP PLATE, 1/2° (12.7) INT. DRYWALL BOTH SIDES OF STUD'S WORD 2°x4° (38x89) @ 24° (610) O.C. LADDER FRAMING WHERE WALLS INTERSECT PERPENDICULAR TO ONE ANOTHER. PROVIDE 2°x4° (38x89) @ 24° (38x89) (38x89) WOOD BLOCKING ON FLAT @ 3'-11" (1194) O.C. MAX. BETWEEN FLOOR IOISTS WHEN NON-LOADBEARING WALLS ARE PARALLEL TO FLOOR JOISTS.

EXT. LOFT WALL CONSTRUCTION (2"x6") - NO CLADDING \langle 4Aangle

STUDS CONFORMING TO O.B.C (9.23.10.1.) & SECTION 1.1., WITH APPROVED CROSS BRACING, INSULATION AND 6 mil POLYETHYLENE VAPOUR BARRIER WITH APPROVED CONT. AIR BARRIER. 1/2" (12.7) GYPSUM WALLBOARD INT. FINISH. (9.23.)

EXT. LOFT WALL CONSTRUCTION (2"x6") NO CLADDING W/ CONTINUOUS INSULATION

APPROVED AIR/WATER BARRIER AS PER O.B.C. 9.27.3. ON EXTERIOR TYPE RIGID INSULATION (JOINTS UNTAPED) MECHANICALLY FASTENED AS PER MANUFACTURER'S SPECIFICATIONS, STUDS CONFORMING TO 0.B.C (9.23.10.1.) & SECTION 1.1., WITH APPROVED CROSS BRACING, INSULATION AND 6 mil POLYETHYLENE VAPOUR BARRIER WITH APPROVED CONT. AIR BARRIER. 1/2* (12.7) GYPSUM WALLBOARD INT. FINISH. (9.23.)

FOUNDATION WALL/FOOTINGS

POURED CONC. FOUNDATION WALL AS PER CHART BELOW ON CONTINUOUS KEYED CONCRETE FOOTING. FOUNDATION WALLS SHALL EXTEND NOT LESS THAN 6" (150) 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 16-1" (4900) 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'-10" (3.0m) IN UNSUPPORTED HEIGHT UNLESS OTHERWISE NOTED, [9.15.4.2.(1.)]

	UNREINFORCED SOLID CONCRETE FOUNDATION WALLS (9.15.4.2.)								
王	SS	MAX	MAX. HEIGHT FROM FIN. SLAB TO GRADE						
HEIGHT F WEIGHT F UNSUPPORTED AT TOP ≤2.5n				JPPORTED AT TO	OP				
l is	置	AT TOP	≤2.5m	>2.5m & ≤2.75m	>2.75m & ≤3.0m				
МРа	* 8"	3'-11" (1.20m)	7'-0" (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)				
15	12"	4'-11" (1.50m)	7'-6" (2.30m)	8'-6" (2.60m)	9'-3" (2.85m)				
g	* 8"	3'-11" (1.20m)	7'-6" (2.30m)	7'-6" (2.30m)	7'-2" (2.20m)				
MP	10"	4'-7" (1.40m)	7'-6" (2.30m)	8'-6" (2.60m)	9'-3" (2.85m)				
20	12"	4'-11" (1.50m)	7'-6" (2.30m)	8'-6" (2.60m)	9'-3" (2.85m)				

★ 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 9.23.7.2., 9.23.8.1., & 9.23.9.1. OF THE O.B.C.

MINIMUM STRIP FOOTING SIZES (9.15.3.)							
NUMBER FLOORS SUPPORTED	SUPPORTING INT. LOAD BEARING MASONRY WALLS	Supporting Exterior	SUPPORTING PARTYWALL				
1	16" WIDE x 6" THICK	16" WIDE x 6" THICK	16" WIDE x 6" THICK				
2	24" WIDE x 8" THICK	20" WIDE x 6" THICK	24" WIDE x 8" THICK				
3	36" WIDE x 14" THICK	26" WIDE x 9" THICK	36" WIDE x 14" THICK				

19695

DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQU OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER

QUALIFICATION INFORMATION

HUNT DESIGN ASSOCIATES INC

Dominic Mobilio NAME REGISTRATION INFORMATION

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.

FOUNDATION REDUCTION IN THICKNESS FOR MASONRY WHERE THE TOP OF THE FOUNDATION WALL IS REDUCED IN THICKNESS TO PERMIT THE INSTALLATION OF MASONRY EXTERIOR FACING, THE REDUCED SECTION SHALL BE NOT LESS THAN 3 1/2" (90) THICK, THE BRICK VENEER SHALL BE TIED TO THE FOUNDATION WALL WITH CORROSION RESISTANT METAL TIES @ 7 7/8" (200) VERTICAL AND 2'-11" (889) HORIZONTAL. FILL VOID WITH MORTAR BETWEEN WALL AND BRICK VENEER (9.15.4.7(2)(3) & 9.20.9.4(3))

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 3/4" (350) HIGH & NOT LESS THAN 3 1/2" (90) THICK (9.15.4.7(1))

WEEPING TILE (9.14.3.) 4" (100) Ø WEEPING TILE W/ FILTER CLOTH WRAP & 6" (152) CRUSHED STONE COVER

- BASEMENT SLAB OR SLAB ON GRADE (9.16.4.3.) 3" (80) MIN. 25MPa (3600psi) CONC. SLAB ON 4" (100) COARSE GRANULAR FILL OR 20MPa (2900psi) CONC. WITH DAMPPROOFING BELOW SLAB. PROVIDE 1/2" OR ZOWIFA (290USS) COINC, WITH DAMPFROUFIING BELDW SLAB. FROWIDE (72) (12.7) IMPERION BOARD FOR BOND BREAK AT EDGE. (9.13.) 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 RIGID INSULATION SHALL BE APPLIED TO THE UNDERSIDE OF THE ENTIRE SLAB. ([SB-12] 3.1.1.7.(5) & (6))
- EXPOSED FLOOR TO EXTERIOR (9.10.17.10, & CAN/ULC-S705.2) PROVIDE SPRAY FOAM INSULATION BETWEEN CANT. JOIST AND INSTALL FIN SOFFIT OR CLADDING AS PER ELEVATION TO U/S OF EXPOSED CANT. JOIST.
- 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

JOISTS/TRUSSES AS PER PLANS W/ 2"x2" (38x38) PURLINS @ 16" (406) O.C. PERPENDICULAR TO JOISTS (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. (CAN/ULC-S705.2, 9.19.1, 9.10.17.1)

ALL STAIRS/EXTERIOR STAIRS (9.8.1.2., 9.8.2., 9.8.4.)

	MAX. RISE	MIN. F	RISE	MAX. RUN	MIN. RUN	MAX. TREAD	MIN. TR	EAD
PRIVATE	7 7/8" (200)	5" (12	25)	14" (355)	8 1/4" (210)	14" (355)	9 1/4" (2	35)
PUBLIC	7" (180)	5" (12	25)	NO LIMIT	11" (280)	NO LIM I T	11" (28	0)
	MIN. STAIR WIDTH		CURVED STAIRS		ALL S	TA I RS		
PRIVATE	2'-10" (860)		N	/IN. RUN	5 7/8" (150)	MAX. NOSIN	G 1"(25)
PUBLIC	2'-11" (900)		MIN	I. AVG. RUN	7 7/8" (200)			

** 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'-8 3'4" (2050) 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. GUARDS, HANDRAILS & STEPS AS PER CONSTRUCTION HEX NOTE 10 & 11.

GUARDS/RAILINGS (9.8.7., 9.8.8.)

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 TABLE 9.8.8.2.

GUARD HEIGHTS - O.B.C. 9.8.8.

INTERIOR GUARDS: 2"-11" (900) MIN.
EXTERIOR GUARDS: 2"-11" (900) MIN. (LESS THAN 5"-11" (1800) TO GRADE)
3"-6" (1070) MIN. (MORE THAN 5"-11" (1800) TO GRADE)
GUARDS FOR EXIT STAIRS: 3"-0" (920) MIN.
GUARDS FOR LANDINGS @ EXIT 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. 6" (150) 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 GUARDS 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 OR RAMP: 2'-10" (865)
MAX. HEIGHT AT STAIRS OR RAMP: 3'-2" (965)
MAX. HEIGHT AT LANDING: 3'-6" (1070)
STAIRS OR RAMP MIN. 7'-3" (2200) WIDE: 2'-9" (865) MIN. HEIGHT

SILL PLATES 2"x4" (38x89) SILL PLATE WITH 1/2" (12.7)Ø ANCHOR BOLTS 8" (200) LONG, EMBEDDED MIN. 4" (100) INTO CONC. @ 7'-10" (2388) 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.)

BASEMENT INSULATION ([SB-12] 3.1.1.7.)

PROVIDE CONTINUOUS BLANKET INSULATION W/ BUILT IN 6 mil POLYETHYLENE VAPOUR BARRIER. INSULATION TO EXTEND NO MORE THAN 8" (200) ABOVE FINISHED BASEMENT FLOOR. DAMPROOFED WITH BUILDING PAPER BETWEEN THE FOUNDATION WALL AND INSULATION UP TO GRADE LEVEL.

BEARING STUD PARTITION IN BASEMENT (9.15.3.6., 9.23.10.1.) 2"x4" (38x89) STUDS @ 16" (406) O.C., 2"x4" (38x89) SILL PLATE (2"x6" (38x140) AS REQUIRED) ON DAMPPROOFING MATERIAL OR 2 mil POLYETHYLENE FILM, 1/2" (12.7) Ø ANCHOR BOLTS 8° (200) LONG, EMBEDDED 4° (100) MIN. INTO CONC. @ 7-10° (2390) O.C. 4° (100) HIGH CONC. CURB ON CONC. FOOTING. FOR SIZE REFER

TO HÈX NÓTE 5. ADD HÓRIZ. BLOCKING AT MID-HEIGHT IF WALL IS UNFINISHED. ADJUSTABLE STEEL BASEMENT COLUMN (9.15.3.4.) 9-10" (3000) MAX. SPAN BETWEEN COLUMNS. 3 1/2" (90) Ø SINGLE TUBE
ADJUSTABLE STEEL COLUMN CONFORMING TO CAN/CGSB-7.2M, AND WITH
6"x6"x3/8" (152x152x)=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 34"x34"x16" (870x870x410) CONC. FOOTING SUPPORTING 3 STOREY FLR. LOAD PROVIDE 40"x40"x19" (1060x1060x480) CONC. FOOTING

NON-ADJUSTABLE STEEL BASEMENT COLUMN

3 1/2" (90)Ø x 0.188" (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 42"x42"x18" (1070x1070x460) CONC. FOOTING SUPPORTING 3 STOREY FLR. LOAD PROVIDE 48"x48"x24" (1220x1220x610) CONC. FOOTING

3 1/2" (90)Ø x 0.188" (4.78) NON-ADJUSTABLE STEEL COLUMN WITH 6"x6"x3/8" (152x152x9.5) STEEL TOP PLATE & 6"x4"x3/8" (152x100x9.5) BOTTOM PLATE. BASE PLATE 4-1/2"x10"x1/2" (120x250x12.7) WITH 2-1/2"Ø x 12" LONG x 2" HOOK ANCHORS (2- 12.7Øx305x50). FIELD WELD COLUMN TO BASE PLATE & STEEL BM.

STEEL BEAM BEARING AT FOUNDATION WALL (9.23.8.1.) BEAM POCKET OR 8"x8" (200x200) POURED CONC. NIB WALLS, MIN. BEARING 3 1/2" (90).

- WOOD STRAPPING AT STEEL BEAMS (9.23.4.3.(3.), 9.23.9.3.) 1"x3" (19x64) CONTIN. WOOD STRAPPING BOTH SIDES OF STEEL BEAM
- **GARAGE SLAB** (9.16., 9.35.)
- (100) 32MPa (4640psi) CONC. SLAB WITH 5-8% AIR ENTRAINMENT ON OPT. (100) COARSE GRANULAR FILL WITH COMPACTED SUB-BASE OR COMPACTED NATIVE FILL. SLOPE TO FRONT @ 1% MIN.

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 CEILINGS. TAPE AND SEAL ALL JOINTS GAS TIGHT. (9.10.17.10, CAN/ULC-S705.2)

GARAGE TO HOUSE WALLS/CEILING W/ CONTIN. INSULATION 1/2" (12.7) GYPSUM BOARD ON CEILING AND ON WALLS INSTALLED OVER EXTERIOR TYPE RIGID INSULATION (JOINTS UNTAPED) MECHANICALLY FASTENED AS PER MANUFACTURER'S SPECIFICATIONS ON 3/8" EXTERIOR GRADE SHEATHING ON STUDS BETWEEN HOUSE AND GARAGE, PLUS REQUIRED INSULATION IN WALLS & SPRAY FOAM FOR CEILINGS. TAPE AND SEAL ALL JOINTS GAS TIGHT. (9.10.9.16., 9.10.17.10, CAN/ULC-S705.2)

GARAGE DOOR TO HOUSE (9.10.9.16., 9.10.13.10., 9.10.13.15.) GAS-PROOF DOOR AND FRAME. DOOR EQUIPPED WITH SELF CLOSING DEVICE AND WEATHER STRIPPING.

EXTERIOR AND GARAGE STEPS

PRECAST CONC. STEP OR WOOD STEP WHERE NOT EXPOSED TO WEATHER. MAX RISE 77/8" (200), MIN. TREAD 9 1/4" (235). FOR THE REQUIRED NUMBER OF STEPS REFER TO SITING AND GRADING DRAWINGS. EXTERIOR CONCRETE STAIRS WITH MORE THAN 2 RISERS AND 2 TREADS SHALL BE PROVIDED WITH FOUNDATION AS REQUIRED BY ARTICLE 9.8.9.2. OR SHALL BE CANTILEVERED AS PER SUBSECTION 9.8.10.

DRYER EXHAUST (22)

CAPPED DRYER EXHAUST VENTED TO EXT. CONFORMING TO PART 6, OBC 9.32.

ATTIC ACCESS (9.19.2.1.) \langle 23 angle

ATTIC ACCESS HATCH WITH MIN, AREA OF 0.32m2 AND NO DIM, LESS ATTIC ACCESS PATCH WITH MINI. ARA OF U.SZIII.Z AND NO DIM. LESS THAN 21 1/2" (545) WITH WEATHER STRIPPING, HATCHWAYS TO THE ATTIC OR ROOF SPACE WILL BE FITTED WITH DOORS OR COVERS AND WILL BE INSULATED WITH MIN. R20 (RSI 3.52) ([SB-12] 3.1.1.8.(1))

FIREPLACE CHIMNEYS (9.21.)

TOP OF FIREPLACE CHIMNEY SHALL BE 2'-11" (889) ABOVE THE HIGHEST POINT AT WHICH IT COMES IN CONTACT WITH THE ROOF AND 2-0" (610) ABOVE THE ROOF SURFACE WITHIN A HORIZ. DISTANCE OF 10'-0" (3048) FROM THE CHIMNEY

LINEN CLOSET

PROVIDE 4 SHELVES MIN. 14" (356) DEEP.

MECHANICAL VENTILATION (9.32.1.3.)

MECHANICAL EXHAUST FAN, VENTED TO EXTERIOR, TO PROVIDE AT LEAST ONE AIR CHANGE PER HOUR. SEE GENERAL NOTE 2.3.

PARTY WALL BEARING (9.23.8)

12"x12"x5/8" (305x305x15.9) STEEL PLATE FOR STEEL BEAMS AND 12"x12"x1/2" (305x305x12.7) STEEL PLATE FOR WOOD BEAMS BEARING (MIN. 3-1/2" (89)) ON CONC. BLOCK PARTY WALL, ANCHORED WITH 2-3/4" (2-19) x 8" (200) LONG GALV. ANCHORS WITHIN SOLID BLOCK COURSE. LEVEL W/ NON-SHRINK GROUT. REFER TO NOTE SOLID BEARING (SECTION 3.0) FOR WD. STUD PARTY WALL.

WOOD FRAMING IN CONTACT TO CONCRETE

(28) WOOD BEARING WALLS. THE UNDERSIDE OF BUILT-UP WOOD POSTS AND SILLS SHALL BE WRAPPED WITH 2 mil POLY. STRIP FOOTINGS SUPPORTING THE FOUNDATION WALL SHALL BE WIDENED 6" (152) BELOW THE BEARING WALL AND/OR WOOD POST. (9.17.4.3.)

BUILT-UP WOOD POST AND FOOTING (9.17.4.1., 9.15.3.7.) 3-2"x6" (3-38x140) BUILT-UP WOOD POST (UNLESS OTHERWISE NOTED) ON METAL BASE SHOE ANCHORED TO CONC. WITH 1/2" (12.7) Ø BOLT, 24"x24"x12" (610x610x305) CONC. FOOTING OR AS PROVIDED ON PLAN. REFER TO NOTE 28

STEP FOOTINGS (9.15.3.9.)

MIN. HORIZ. STEP = 23 5/8" (600). MAX. VERT. STEP = 23 5/8" (600).

CONC. PORCH SLAB (9.16.4.)

MIN. 4" (100) CONCRETE SLAB ON GRADE ON 4" (100) COARSE GRANULAR FILL, REINFORCED WITH 6x6xW2.9xW2.9 MESH PLACED NEAR MID-DEPTH OF SLAB. CONC. STRENGTH 32MPa (4640psi) WITH 5-8% AIR ENTRAINMENT ON COMPACTED SUB-GRADE.

FURNACE VENTING (9.32.)

DIRECT VENT FURNACE TERMINAL MIN. 3'-0" (915) FROM A GAS REGULATOR. MIN. 12" (305) ABOVE FIN. GRADE, FROM ALL OPENINGS, EXHAUST AND INTAKE VENTS. HRV INTAKE TO BE A MIN. OF 6'-0" (1830) FROM ALL EXHAUST TERMINALS. REFER TO GAS UTILIZATION CODE.

FIREPLACE VENTING (9.32.3.)

DIRECT VENT GAS FIREPLACE VENT TO BE A MIN. 12" (305) FROM ANY OPENING AND ABOVE FIN. GRADE. REFER TO GAS UTILIZATION CODE.

FLOOR FRAMING (9.23.3.5., 9.23.9.4., 9.23.14.) T&G SUBFLOOR ON WOOD FLOOR JOISTS. FOR CERAMIC TILE APPLICATION SEE O.B.C. 9.30.6. ALL JOISTS WHERE REQUIRED TO BE BRIDGED WITH 2"x2" (38x38) CROSS BRACING OR SOLID BLOCKING @ 6"-11" (2108) O.C. MAX. ALL JOISTS TO BE STRAPPED WITH 1"x3" (19x64) @ 6"-11" (2108) O.C. UNLESS A PARKET TYPE CEIL ING. ENIGH 15 ADD (19x64)

HEADER CONSTRUCTION

PANEL TYPE CEILING FINISH IS APPLIED.

PROVIDE CONTINUOUS APPROVED AIR/VAPOUR BARRIER (HEADER WRAP) UNDER THE SILL PLATE, AROUND THE RIM BOARD AND UNDER THE BOTTOM PLATE, THE HEADER WRAP SHALL EXTEND 6" (152) BELOW THE TOP OF FOUNDATION WALL AND WILL BE SEALED TO THE CONCRETE FOUNDATION WALL, EXTEND HEADER WRAP 6" (152) UP THE INTERIOR SIDE OF THE STUD WALL AND OVERLAP WITH THE VAPOUR BARRIER AND SEALED FOR THE STUD WALL AND OVERLAP WITH THE VAPOUR BARRIER AND SEALED FOR THE STUD WALL AND OVERLAP WITH THE VAPOUR BARRIER AND SEALED FOR THE STUD WALL AND OVERLAP WITH THE VAPOUR BARRIER AND SEALED FOR THE STUD WALL AND OVERLAP WITH THE VAPOUR BARRIER AND SEALED FOR THE STUD WALL AND OVERLAP WITH THE VAPOUR BARRIER AND SEALED FOR THE STUD WALL AND OVERLAP WITH THE VAPOUR BARRIER AND SEALED FOR THE STUD WALL AND OVERLAP WITH THE VAPOUR BARRIER AND SEALED FOR THE STUD WALL AND OVERLAP WITH THE VAPOUR BARRIER AND SEALED FOR THE STUD WALL AND OVERLAP WITH THE VAPOUR BARRIER AND SEALED FOR THE STUD WALL AND OVERLAP WITH THE VAPOUR BARRIER AND SEALED FOR THE STUD WALL AND OVERLAP WITH THE VAPOUR BARRIER AND SEALED FOR THE STUD WALL AND OVERLAP WITH THE VAPOUR BARRIER AND SEALED FOR THE STUD WALL AND OVERLAP WITH THE VAPOUR BARRIER AND SEALED FOR THE STUD WALL AND OVERLAP WITH THE VAPOUR BARRIER AND SEALED FOR THE STUD WALL AND OVERLAP WITH THE VAPOUR BARRIER AND SEALED FOR THE STUD WALL AND OVERLAP WITH THE VAPOUR BARRIER AND SEALED FOR THE STUD WALL AND OVERLAP WALL AND OVER THE JOINT. ALL EDGES/JOINTS MUST BE MECHANICALLY CLAMPED.

EXPOSED BUILDING FACE w/ LIMITING DISTANCE <= 3'-11" (1.20m)

WALL ASSEMBLY CONTAINS INSULATION CONFORMING TO CANVULC-S702 & HAVING A MASS OF NOT LESS THAN 1.22 KG/M2 OF WALL SURFACE AND 1/2* (12.7) TYPE X GYPSUM WALLBOARD INTERIOR FINISH. EXTERIOR CLADDING MUST BE NON-COMBUSTIBLE WHEN LIMITING DISTANCE IS 23 5/8" (0.60m) OR LESS. WALL ASSEMBLY REQUIRES TO HAVE A FIBE RESISTANCE RATING OF NOT LESS THAN 45 MINUTES & CONFORMING TO O.B.C. (9.10.14. OR 9.10.15.). REFER TO DETAILS FOR TYPE & SPECS. ** AN OPENING IN AN EXPOSING BUILDING FACE NOT MORE THAN 20 in (130cm*) SHALL NOT BE CONSIDERED AN UNPROTECTED OPENING AS PER 91.0.146.

COLD CELLAR PORCH SLAB (9.39.)

FOR MAX. 8'-2" (2500) PORCH DEPTH, 5" (127) 32 MPa (4640psi) CONC. SLAB W/5-8% AIR ENTRAINMENT. REINF. WITH 10M BARS @ 7 7/8" (200) O.C. EACH DIRECTION, W/ 1 1/4" (32) CLEAR COVER FROM BOTTOM OF SLAB TO FIRST LAYER OF BARS & SECOND LAYER OF BARS LAID DIRECTLY ON TOP OF LOWER LAYER IN OPPOSITE DIR. 24*x24* (610x610) 10M DOWELS @ 23 5/8* (600) O.C., ANCHORED IN PERIMETER FND. WALLS. SLOPE SLAB 1.0% FROM DOOR.

RANGE HOODS AND RANGE-TOP FANS

COOKING APPLIANCE EXHAUST FANS VENTED TO EXTERIOR MUST CONFORM TO OBC 9.10.22, 9.32.3.9. & 9.32.3.10.

CONVENTIONAL ROOF FRAMING (9.23.13., 9.23.15.) 2"x6" (38x140) RAFTERS @ 16" (406) O.C., 2"x8" (38x184) RIDGE BOARD. 2"x4" (38x89) COLLAR TIES AT MID-SPAN. CEILING JOISTS TO BE 2"x4" (38x89) @ 16" (406) O.C. FOR MAX. 9-3" (2819) SPAN & 2"x6" (38x140) @ 16" (406) O.C. FOR MAX. SPAN 14'-7" (4450). RAFTERS FOR BUILT UP ROOF OVER PRE-ENGINEERED ROOF TRUSSES AND OR CONVENTIONAL FRAMING TO

BE 2"x4" (38x89) @ 24" (610) O.C. UNLESS OTHERWISE SPECIFIED. **TWO STOREY VOLUME SPACES** (9.23.10.1., 9.23.11., 9.23.16.) \langle 39angle

_	WALL AS	SEMBLY	WIND LOADS					
	EXTERIOR	STUDS	<= 0.5 kPA (q50)		> 0.5 kPa (q50)			
	EXTENION	31003	SPACING	MAX HEIGHT	SPACING	MAX HEIGHT		
	BRICK	2-2"x6"	12" (305) O.C.	18'-4" (5588)	8" (200) O.C.	18'-4" (5588)		
	SIDING	(2-38x140) SPR.#2	16" (406) O.C.	18'-4" (5588)	12" (305) O.C.	18'-4" (5588)		
	BRICK	(2-38v184)	12" (305) O.C.	21'-0" (6400)	12" (305) O.C.	21'-0" (6400)		
	SIDING		16" (406) O.C.	21'-0" (6400)	16" (406) O.C.	21'-0" (6400)		

STUDS ARE TO BE CONTINUOUS, C/W 3/8" (9.5) THICK EXTERIOR PLYWOOD SHEATHING. PROVIDE SOLID WOOD BLOCKING BETWEEN WOOD STUDS @ 4'-0" (1220) O.C. VERTICALLY.

** STUD SIZE & SPACING TO BE VERIFIED BY STRUCTURAL ENGINEER **

@ 4-0" (1220) O.C. VENTIOALLI.
- FOR HORIZ. DISTANCES LESS THAN 9-6" (2896) PROVIDE 2"x6" (38x140) STUDS @ 16" (406) O.C. WITH CONTIN. 2-2"x6" (2-38x140) TOP PLATE + 1-2"x6" (1-38x140) BOTTOM PLATE & MIN. OF 3-2"x8" (3-38x184) CONT. HEADER AT GROUND FLOOR CEILING LEVEL TOE-NAILED & GLUED AT TOP, BOTTOM PLATES & HEADERS.



CONSTRUCTION NOTES 1

20-2146 CRN (2006)

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HUNT

MC

DM 3/16"=1'-0"

HEATHWOOD HOMES - 217132

217132WT2006-COR.DWG 15 of 16

REV.2019.06.05

1 HR. PARTY WALL (CONC. BLOCK) ([SB-3] WALL TYPE 'B6e' & 'B1b') 1/2" (12.7) GYPSUM SHEATHING ON EACH SIDE ON 2"x2" (38x38) VERTICAL WD. TRAPPING @ 24" (610) O.C. ON 8" (200) CONC. BLOCK FILL STRAPPING CAVITY EACH SIDE WITH AT LEAST 90% OF ABSORPTIVE MATERIAL PROCESSED FROM ROCK, SLAG OR GLASS. TAPE, FILL & SAND ALL GYPSUM JOINTS. EXPOSED BLOCK MUST BE SEALED W/ 2 COATS OF PAINT OR FURRED WITH 2"X2" (38x38) WD. STRAPPING & 1/2" (12.7) GYPSUM SHEATHING.

1 HR. PARTY WALL (DOUBLE STUD) ([SB-3] WALL TYPE W14a') **′40**` 5/8" (15.9) TYPE 'X' GYPSUM SHEATHING ON ONE SIDE AND 2 LAYERS OF 5/8" (15.9) TYPE 'X' GYPSUM SHEATHING ON THE OTHER SIDE ON EXTERIOR

SIDE OF 2 ROWS OF 2"x4" (38x89) STUDS @ 16" (406) O.C., MIN. 1" (25) APART ON SEPARATE 2"x4" (38x89) SILL PLATES. (2"x6" (38x140) AS REQUIRED) FILL BOTH SIDES OF STUD CAVITY WITH AT LEAST 90% OF ABSORPTIVE MATERIAL PROCESSED FROM ROCK, SLAG OR GLASS. TAPE FILL AND SAND ALL GYPSUM JOINTS.

2 HR. FIREWALL ([SB-3] WALL TYPE 'B6c')

STUCCO WALL @ GARAGE CONST.

5/8" (15.9) TYPE 'X' GYPSUM SHEATHING ON EACH SIDE ON 2"X2" (38x38) VERTICAL WOOD STRAPPING @ 24" (610) O.C ON 8" (190) CONC. BLOCK 75% SOLID. FILL STRAPPING CAVITY EACH SIDE WITH AT LEAST 90% OF ABSORPTIVE MATERIAL PROCESSED FROM ROCK, SLAG OR GLASS. TAPE, FILL & SAND ALL GYPSUM JOINTS. AT UNFINISHED AREAS, EXTERIOR FACE OF CONC. BLOCK TO BE SEALED WITH 2 COATS OF PAINT. GYPSUM SHEATHING TO BE ATTACHED TO CONC. BLOCK, (REFER TO DETAILS)

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.I.F.S. (MINIMUM) ON APPROVED DRAINAGE MAT ON 1/2" (12.7) DENSGLASS 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. (REFER TO 35 NOTE AS REQUIRED)

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.I.F.S. (MINIMUM) ON APPROVED DRAINAGE MAT ON APPROVED AIR/WATER BARRIER AS PER O.B.C. 9.27.3. ON EXTERIOR TYPE RIGID INSULATION, (JOINTS UNTAPED) MECHANICALLY FASTENED AS PER MANUFACTURER'S SPECIFICATIONS, ON 7/16" 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)

STUCCO FINISH CONFORMING TO O.B.C. SECTION 9.28. AND APPLIED PER MANUFACTURERS SPECIFICATIONS OVER 1 1/2" (38) E.F.I.S (MINIMUM) ON APPROVED DRAINAGE MAT ON 1/2" (12.7) DENSGLASS 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.F.I.S (MINIMUM)

ON APPROVED DRAINAGE MAT ON 1/2" (12.7) DENSGLASS GOLD GYPSUM BRD.

UNSUPPORTED FOUNDATION WALLS (9.15.4.2.) REINFORCING AT STAIRS AND SUNKEN FLOOR AREAS 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 (8'-0" TO 15'-0" OPENING) - BARS STACKED VERTICALLY AT INTERIOR FACE OF WALL 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 VERTICAL REINFORCING ON THE INSIDE AND OUTSIDE FACE OF THE FOUNDATION WALL ON EACH SIDE OF THE WINDOW OPENING. BARS TO HAVE MIN. 2" (50) CONC. COVER BARS TO EXTEND 2'-0" (610) BEYOND BOTH SIDES OF OPENING

STUD WALL REINFORCEMENT

PROVIDE STUD WALL REINFORCEMENT IN MAIN BATHROOM CONFORMING TO O.B.C. (9.5.2.3.(1) AND 3.8.3.8.(3)) (REFER TO DETAILS)

WINDOW WELLS WHERE A WINDOW OPENS INTO A WINDOW WELL, A CLEARANCE OF NOT LESS THAN 21 5/8" (550) SHALL BE PROVIDED IN FRONT OF THE WINDOW. EVERY WINDOW WELL SHALL BE DRAINED TO THE FOOTING LEVEL OR OTHER SUITABLE LOCATION WITH A 4" (100) WEEPING TILE C/W A FILTER CLOTH WRAP AND FILLED WITH CRUSHED STONE. (9.9.10.1.(5), 9.14.6.3.)

SLOPED CEILING CONSTRUCTION ([SB-12] 2.1.1.7., 9.23.4.2.) 2"x12" (38x286) 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 6 mil POLYETHYLENE VAPOUR BARRIER, 1/2" (12.7) GYPSUM WALLBOARD INT. FINISH OR APPROVED EQ. INSULATION VALUE DIRECTLY ABOVE THE INNER

SURFACE OF EXTERIOR WALLS SHALL NOT BE LESS THAN R20 (3.52 RSI). FLAT ROOF/BALCONY CONSTRUCTION

WATERPROOFING MEMBRANE (9.26.11, 9.26.15, 9.26.16) FULLY ADHERED TO 5/8" (15.9) T&G EXTERIOR GRADE PLYWOOD SHEATHING ON 2"x2" (38x38) PURLINS ANGLED TOWARDS SCUPPER @ 2% MINIMUM LAID PERPENDICULAR TO 2"x8" (38x184) FLOOR JOISTS @ 16" (406) O.C. (UNLESS OTHERWISE NOTED). BUILT UP CURB TO BE 4" (100) MIN. ABOVE FINISHED BALCONY FLOOR. CONTINUOUS "L" TRIM DRIP EDGE TO BE PROVIDED ON OUTSIDE FACE OF CURB. SCUPPER DRAIN TO BE LOCATED 24" (610) MIN. AWAY FROM HOUSE. PREFINISHED ALUMINUM OR PANIEL FOR UNINDERSIDE OF SOFETT (9.23 23). PREMOVE CUBB WHERE PEO PANEL FOR UNDERSIDE OF SOFFIT (9.23.2.3). REMOVE CURB WHERE REQ.

BALCONY CONDITION

SEE FLAT ROOF/BALCONY CONSTRUCTION NOTE, INCLUDE 2"x4" (38x89) PT. DECKING W/ 1/4" (6.4) GAPS LAID FLAT PARALLEL TO JOISTS ON 2"x4" (38x89) PT. SLEEPERS @ 12" (305) O.C. LAID 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

BARREL VAULT CONSTRUCTION

DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER

QUALIFICATION INFORMATION Dominic Mobilio

REGISTRATION INFORMATION

CANTILEVERED 2"X4" (38X89) SPACERS LAID FLAT ON 2"X10" (38X235) SPR. #2 ROOF JOIST NAILED TO BUILT-UP 3-3/4" (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 CONFIRMATION 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.

SIZE & SPACING OF STUDS: (OBC REFERENCE - TABLE 9.23.10.1.)									
MIN.	SUPPORTED LOADS (EXTERIOR)								
STUD SIZE.		ROOF w/ OR w/o ATTIC & 1 FLOOR		ROOF w/ OR w/o ATTIC & 3 FLOOR					
in (mm)	MAX. STUD SPACING, in (mm) O.C.								
()	MAX. UNSUPPORTED HGT., ft-in (m)								
2"x4"	24" (610)	16" (405)	12" (305)	N/A					
(38x89)	9'-10" (3.0)	9'-10" (3.0)	9'-10" (3.0)	N/A					
2"x6"	-	24" (610)	16" (406)	12" (305)					
(38x140)	-	9'-10" (3.0)	11'-10" (3.6)	5'-11" (1.8)					

SECTION 2.0. GENERAL NOTES

1) EXCEPT WHERE A DOOR ON THE SAME FLOOR LEVEL AS THE BEDROOM PROVIDES DIRECT ACCESS TO THE EXTERIOR, EVERY FLOOR LEVEL CONTAINING A BEDROOM IS TO HAVE AT LEAST ONE OUTSIDE WINDOW W/ MIN, 0,35m2 UNOBSTRUCTED OPEN PORTION W/ NO DIMENSION LESS THAN 1'-3" (380), CAPABLE OF MAINTAINING THE OPENING WITHOUT THE NEED FOR ADDITIONAL SUPPORT, CONFORMING TO 9.9.10. 2) WINDOW GUARDS: A GUARD OR A WINDOW WITH A MAXIMUM RESTRICTED OPENING WIDTH OF 4" (100) IS REQUIRED WHERE THE TOP OF THE WINDOW SILL IS LOCATED LESS THAN 1'-7" (480) ABOVE FIN. FLOOR AND THE DISTANCE FROM THE FINISHED FLOOR TO THE ADJACENT GRADE IS GREATER THAN 5'-11" (1800). (9.8.8.1.) 3) WINDOWS IN EXIT STAIRWAYS THAT EXTEND TO LESS THAN 2'-11" (900) [3'-6" (1070) FOR ALL OTHER BUILDINGS] SHALL BE PROTECTED BY GUARDS IN ACCORDANCE WITH NOTE #2 (ABOVE). OR THE WINDOW SHALL BE NON-OPERABLE AND DESIGNED TO WITHSTAND THE SPECIFIED LOADS FOR BALCONY GUARDS AS PROVIDED IN

4) REFER TO TITLE PAGE FOR MAX, U-VALUE REQUIREMENTS

2.2. CEILING HEIGHTS

4.1.5.15 OR 9.8.8.2

THE CEILING HEIGHTS OF ROOMS AND SPACES SHALL CONFORM TO TABLE 9.5.3.1.

ROOM OR SPACE	MINIMUM HEIGHTS
LIVING ROOM, DINING ROOM AND KITCHEN	7'-7" OVER 75% OF REQUIRED FLOOR AREA WITH A CLEAR HEIGHT OF 6'-11" AT ANY POINT
BEDROOM	7'-7" OVER 50% OF REQUIRED FLOOR AREA OR 6'-11" OVER ALL OF THE REQUIRED FLOOR AREA.
BASEMENT	6'-11" OVER AT LEAST 75% OF THE BASEMENT AREA EXCEPT THAT UNDER BEAMS AND DUCTS THE CLEARANCE IS PERMITTED TO BE REDUCED TO 6'-5".
BATHROOM, LAUNDRY AREA ABOVE GRADE	6'-11" IN ANY AREA WHERE A PERSON WOULD NORMALLY BE STANDING
FINISHED ROOM NOT MENTIONED ABOVE	6'-11"
MEZZANINES	6'-11" ABOVE & BELOW FLOOR ASSEMBLY (9.5.3.2.)
STORAGE GARAGE	6'-7" (9.5.3.3.)

2.3. MECHANICAL / PLUMBING

I) MECHANICAL VENTILATION IS REQUIRED TO PROVIDE 0.7 AIR CHANGE PER HOUR IF NOT AIR CONDITIONED 1 PER HOUR IF AIR CONDITIONED AVERAGED OVER 24 HOURS. WHEN A VENTILATION FAN (PRINCIPAL EXHAUST) IS REQUIRED, CONFORM TO OBC 9.32.3.4. WHEN A HRV IS REQUIRED. CONFORM TO 9.32.3.11. REFER TO MECHANICAL DRAWINGS.

2) REFER TO HOT WATER TANK MANUFACTURER SPECS. CONFORM TO OBC 9.31.6. 3) REFER TO TITLE PAGE FOR SPACE HEATING EQUIPMENT, HRV AND DOMESTIC HOT WATER HEATER MINIMUM EFFICIENCIES

4) DRAIN WATER HEAT RECOVERY UNIT(S) WILL BE INSTALLED CONFORMING TO THE REQUIREMENTS OF 3.1.1.12. OF THE O.B.C.

2.4. LUMBER

1) ALL LUMBER SHALL BE SPRUCE No.2 GRADE OR BETTER, UNLESS NOTED OTHERWISE. 2) STUDS SHALL BE STUD GRADE SPRUCE, UNLESS NOTED OTHERWISE.

3) LUMBER EXPOSED TO THE EXTERIOR TO BE SPRUCE No. 2 GRADE PRESSURE TREATED OR CEDAR, UNLESS NOTED OTHERWISE.

4) ALL LAMINATED VENEER LUMBER (LVL) BEAMS, GIRDER TRUSSES, AND METAL HANGER CONNECTIONS SUPPORTING ROOF FRAMING TO BE DESIGNED & CERTIFIED BY FLOOR AND ROOF TRUSS MANUFACTURER.

5) JOIST HANGERS: PROVIDE APPROVED METAL HANGERS FOR ALL JOISTS AND BUILT-UP WOOD MEMBERS INTERSECTING WITH FLUSH BUILT-UP WOOD MEMBERS. 6) WOOD FRAMING NOT TREATED WITH A WOOD PRESERVATIVE, IN CONTACT WITH CONCRETE. SHALL BE SEPARATED FROM THE CONC. BY AT LEAST 2 mill POLYETHYLENE OCINICIES, STALL DE SEFAMALED FROMIN THE COUNC. BY AT LEAST 2 THI POLYE HAY! FILM, NO.50 (49lbs) ROLL ROOFING OR OTHER DAMPPROOFING MATERIAL, EXCEPT WHERE THE WOOD MEMBER IS AT LEAST 6" (152) ABOVE THE GROUND.

2.5. STEEL (9.23.4.3.)

TI) STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA-G40-21 GRADE 300W. HOLLOW STRUCT. SECTIONS SHALL CONFORM TO CAN/CSA-G40-21 GRADE 350W CLASS "H". 2) REINFORCING STEEL SHALL CONFORM TO CSA-G30-18M GRADE 400R.

2.6. FLAT ARCHES

1) FOR 8'-0" (2440) CEILINGS, FLAT ARCHES SHALL BE 6'-10" (2080) A.F.F. 2) FOR 9'-0" (2740) CEILINGS, FLAT ARCHES SHALL BE 7'-10" (2400) A.F.F. 3) FOR 10'-0" (3040) CEILINGS, FLAT ARCHES SHALL BE 8'-6" (2600) A.F.F.

2.7. ROOF OVERHANGS

OVERHANGS SHALL BE 1'-0" (305). UNLESS NOTED OTHERWISE.

2.8. FLASHING (9.20.13., 9.26.4. & 9.27.3.) FLASHING MATERIALS & INSTALLATION SHALL CONFORM TO O.B.C.

2.9. GRADING

1) THE BUILDING SHALL BE LOCATED OR THE BUILDING SITE GRADED SO THE WATER WILL NOT ACCUMULATE AT OR NEAR THE BUILDING AND WILL NOT ADVERSELY AFFECT ADJACENT PROPERTIES. CONFORM TO 9.14.6.

2.10. ULC SPECIFIED ASSEMBLIES

ALL REQUIRED INDIMIDUAL COMPONENTS THAT FORM PART OF ANY 'ULC LISTED ASSEMBLY', SPECIFIED WITHIN THESE DRAWINGS, CANNOT BE ALTERED OR SUBSTITUTED FOR ANY OTHER MATERIAL/PRODUCT OR SPECIFIED MANUFACTURER THAT IS IDENTIFIED IN THAT 'SPECIFIED LILC LISTING' THERE SHALL BE NO DEVIATIONS LINDER AN' CIRCUMSTANCES IN ANY 'ULC LISTED ASSEMBLY' IDENTIFIED IN THESE DRAWINGS.

SECTION 3.0. LEGEND

3.1. WOOD LINTELS AND BUILT-UP WOOD (DMISION B PART 9. TABLES A8 TO A10 AND A12, A15 & A16) FORMING PART OF SENTENCE 9.23.4.2.(3), 9.23.4.2.(4), 9.23.12.3.(1),(3), 9.23.13.8.(2), 9.37.3.1

	2"x8" SPRUCE #2		2"x10" SPRUCE #2	2"x12" SPRUCE #2		
L1	2/2"x8" (2/38x184)	L3	2/2"x10" (2/38x235)	L5	2/2"x12" (2/38x286)	
B1	3/2"x8" (3/38x184)	ВЗ	3/2"x10" (3/38x235)	B5	3/2"x12" (3/38x286)	
B2	4/2"x8" (4/38x184)	B4	4/2"x10" (4/38x235)	В6	4/2"x12" (4/38x286)	
В7	5/2"x8" (5/38x184)	B8	5/2"x10" (5/38x235)	В9	5/2"x12" (5/38x286)	
	Е	NGIN	EERED LUMBER SCHEDU	LE		
	1 3/4" x 9 1/2" LVL		1 3/4" x 11 7/8" LVL		1 3/4" x 14" LVL	
LVL2	1-1 3/4"x9 1/2"	LVL3	1-1 3/4"x11 7/8"	LVL10	1-1 3/4"x14"	
LVL4	2-1 3/4"x9 1/2"	LVL6	2-1 3/4"x11 7/8"	LVL11	2-1 3/4"x14"	
LVL5	3-1 3/4"x9 1/2"	LVL7	3-1 3/4"x11 7/8"	LVL12	3-1 3/4"x14"	
LVI 8	4-1 3/4"x9 1/2"	I VI 9	4-1 3/4"x11 7/8"	I VI 13	4-1.3/4"x14"	

3.2. STEEL LINTELS SUPPORTING MASONRY VENEER

(DIVISION B PART 9. TABLE 9.20.5.2.B.) FORMING PART OF SENTENCE 9.20.5.2.(2) & 9.20.5.2.(3)

CODE	SIZE	BRICK	STONE
L7	3 1/2" x 3 1/2" x 1/4" (89 x 89 x 6.4)	8'-1" (2.47m)	7'-6" (2.30m)
L8	4" x 3 1/2" x 1/4" (102 x 89 x 6.4)	8'-9" (2.66m)	8'-1" (2.48m)
L9	4 7/8" x 3 1/2" x 5/16" (127 x 89 x 7.9)	10'-10" (3.31m)	10'-1" (3.03m)
L10	4 7/8" x 3 1/2" x 3/8" (127 x 89 x 11)	11'-5" (3.48m)	10'-7" (3.24m)
L11	5 7/8" x 3 1/2" x 3/8" (152 x 89 x 11)	12'-6" (3.82m)	11'-7" (3.54m)
L12	7 1/8" x 4" x 3/8" (178 x 102 x 11)	14'-1" (4.30m)	13'-1" (3.99m)

3.3. DOOR SCHEDULE CONFORMING TO SECTIONS 9.5.11, 9.6., 9.7.2.1, 9.7.5.2, & 9.10.13.10 EXTERIOR | 2'-8" x 6'-8" x 1-3/4" (815 x 2030 x 45) INSULATED MIN. R4 (RSI 0.7) $2'-10" \times 6'-8" \times 1-3/4" (865 \times 2030 \times 45)$ INSULATED MIN. R4 (RSI 0.7) 1A **EXTERIOR** 1B EXTERIOR 3'-0" x 6'-8" x 1-3/4" (915 x 2030 x 45) INSULATED MIN. R4 (RSI 0.7) 1C **EXTERIOR** 2'-6" x 6'-8" x 1-3/4" (760 x 2030 x 45) INSULATED MIN. R4 (RSI 0.7) 1D **EXTERIOR** 2'-8" x 6'-8" x 1-3/4" (815 x 2030 x 45) INS. MIN. R4 (RSI 0.7) (SEE HEX NOTE 20) 3'-0" x 8'-0" x 1-3/4" (915 x 2440 x 45) INSULATED MIN. R4 (RSI 0.7) 1E EXTERIOR 1F EXTERIOR 2'-8" x 8'-0" x 1-3/4" (815 x 2440 x 45) INSULATED MIN. R4 (RSI 0.7) 2'-8" x 6'-8" x 1-3/4" (815 x 2030 x 45) 20 MIN. F.R.R. DOOR/FRAME WITH APP. SELF CLOSING DEVICE. 2A EXTERIOR 2 INTERIOR 2'-8" x 6'-8" x 1-3/8" (815 x 2030 x 35) 2'-6" x 6'-8" x 1-3/8" (760 x 2030 x 35) 3 INTERIOR REFER TO SCHEDULE 3A INTERIOR 2'-4" x 6'-8" x 1-3/8" (710 x 2030 x 35) 'A' FOR VERIFICATION 4 INTERIOR 2'-0" x 6'-8" x 1-3/8" (610 x 2030 x 35) OF DOOR HEIGHTS 2'-2" x 6'-8" x 1-3/8" (660 x 2030 x 35) 4A INTERIOR 5 INTERIOR 1'-6" x 6'-8" x 1-3/8" (460 x 2030 x 35

AFF	ABOVE FINISHED FLOOR	JST	JOIST
BBFM	BEAM BY FLOOR MANUFACTURER	LΙΝ	LINEN CLOSET
BG	FIXED GLASS W/ BLACK BACKING	LVL	LAMINATED VENEER LUMBER
ВМ	BEAM	OTB/A	OPEN TO BELOW/ABOVE
BBRM	BEAM BY ROOF MANUFACTURER	PL	POINT LOAD
CRF	CONVENTIONAL ROOF FRAMING	PLT	PLATE
C/W	COMPLETE WITH	PT	PRESSURE TREATED
DJ/TJ	DOUBLE JOIST/ TRIPLE JOIST	PTD	PAINTED
DO	DO OVER	PWD	POWDER ROOM
DRP	DROPPED	RWL	RAIN WATER LEADER
ENG	ENGINEERED	SB	SOLID BEARING WOOD POST
EST	EST I MATED	SBFA	SB FROM ABOVE
FA	FLAT ARCH	SJ	SINGLE JOIST
FD	FLOOR DRAIN	SPR	SPRUCE
FG	FIXED GLASS	STL	STEEL
FL	FLUSH	T/O	TOP OF
FLR	FLOOR	TYP	TYPICAL
GT	GIRDER TRUSS	U/S	UNDERSIDE
НВ	HOSE BIB	WD	WOOD
HRV	HEAT RETURN VENTILATION UNIT	WIC	WALK IN CLOSET
HWT	HOT WATER TANK	WP	WEATHER PROOF

ALL ELECTRICAL FACILITIES SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 9.34 (CLASS 'B' VENT (2) EXHAUST VENT **₩** DUPLEX OUTLET (HEIGHT AS NOTED A.F.F. -DUPLEX OUTLET (12" HIGH) \$₹ HEAVY DUTY OUTLET SWITCH (2/3/4 WAY) ROUGH IN FOR ELECTRIC VEHICLE LIGHT FIXTURE (CEILING MOUNTED) CHARGING STATION (9.34.4) LIGHT FIXTURE (WALL MOUNTED) POT LIGHT S) D40 LIGHT FIXTURE (PULL CHAIN) TELEPHONE JACK CHANDELIER (CEILING MOUNTED) CABLE T.V. JACK VAC CENTRAL VACUUM OUTLET

■ SA **SMOKE ALARM** (9.10.19.) PROVIDE ONE PER FLOOR, NEAR THE STAIRS CONNECTING THE FLOOR LEVEL, ALARMS

ARE TO BE INSTALLED IN EACH SLEEPING ROOM AND IN A LOCATION BETWEEN SLEEPING ROOMS AND CONNECTING HALLWAYS AND WIRED TO BE INTERCONNECTED TO ACTIVATE ALL ALARMS IF ONE SOUNDS. ALARMS ARE TO BE CONNECTED TO AN ELECTRICAL CIRCUIT AND WITH A BATTERY BACKUP. ALARM SIGNAL SHALL MEET TEMPORAL SOUND PATTERNS MIN. ALARMS SHALL HAVE A VISUAL SIGNALLING COMPONENT AS PER THE "NATIONAL FIRE ALARM AND SIGNALING CODE 72".

CARBON MONOXIDE ALARM (9.33.4.)

*** CHECK LOCAL BY-LAWS FOR REQUIREMENTS *** A CARBON MONOXIDE ALARM(S)

CONFORMING TO CAN/CGA-6.19 SHALL BE INSTALLED ON OR NEAR THE CEILING IN EACH

DWELLING UNIT ADJACENT TO EACH SLEEPING AREA. CARBON MONOXIDE ALARM(S)

SHALL BE PERMANENTLY WIRED WITH NO DISCONDECT SWITCH, WITH AN ALARM THAT IS AUDIBLE WITHIN SLEEPING ROOMS WHEN THE INTERVENING DOORS ARE CLOSED

SOLID BEARING (BUILT-UP WOOD COLUMNS AND STUD POSTS) THE WIDTH OF A WOOD COLUMN SHALL NOT BE LESS THAN THAN THE WIDTH OF SUPPORTED MEMBER. BUILT-UP WOOD COLUMNS SHALL BE NAILED TOGETHER WITH

NOT LESS THAN 3" (76) NAILS SPACED NOT MORE THAN 11 3/4" (300) O.C. THE NUMBER OF STUDS IN A WALL DIRECTLY BELOW A GIRDER TRUSS OR ROOF BEAM SHALL CONFORM TO TABLES A-34 TO A-37. (9.17.4., 9.23.10.7.)

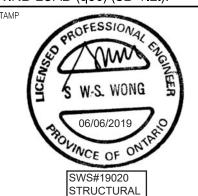
TWO STOREY VOLUME SPACE. SEE CONSTRUCTION NOTE 39.

VARYING PLATES, BUILT-OUT FLOORS, BEARING WALLS, ICE & WATER SHIELD. EXPOSED BUILDING FACE - O.B.C. 9.10.14. OR 9.10.15

REFER TO HEX NOTE 35. & DETAILS FOR TYPE AND SPECIFICATIONS. 1 HR PARTY WALL 2 HR FIREWALL REFER TO HEX NOTE 40A.

SECTION 4.0. CLIMATIC DATA

1.50 kPa DESIGN SNOW LOAD (9.4.2.2.): WIND LOAD (q50) (SB-1.2.): 0.37 **kPa**



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CONSTRUCTION NOTES 2

20-2146 CRN (2006)

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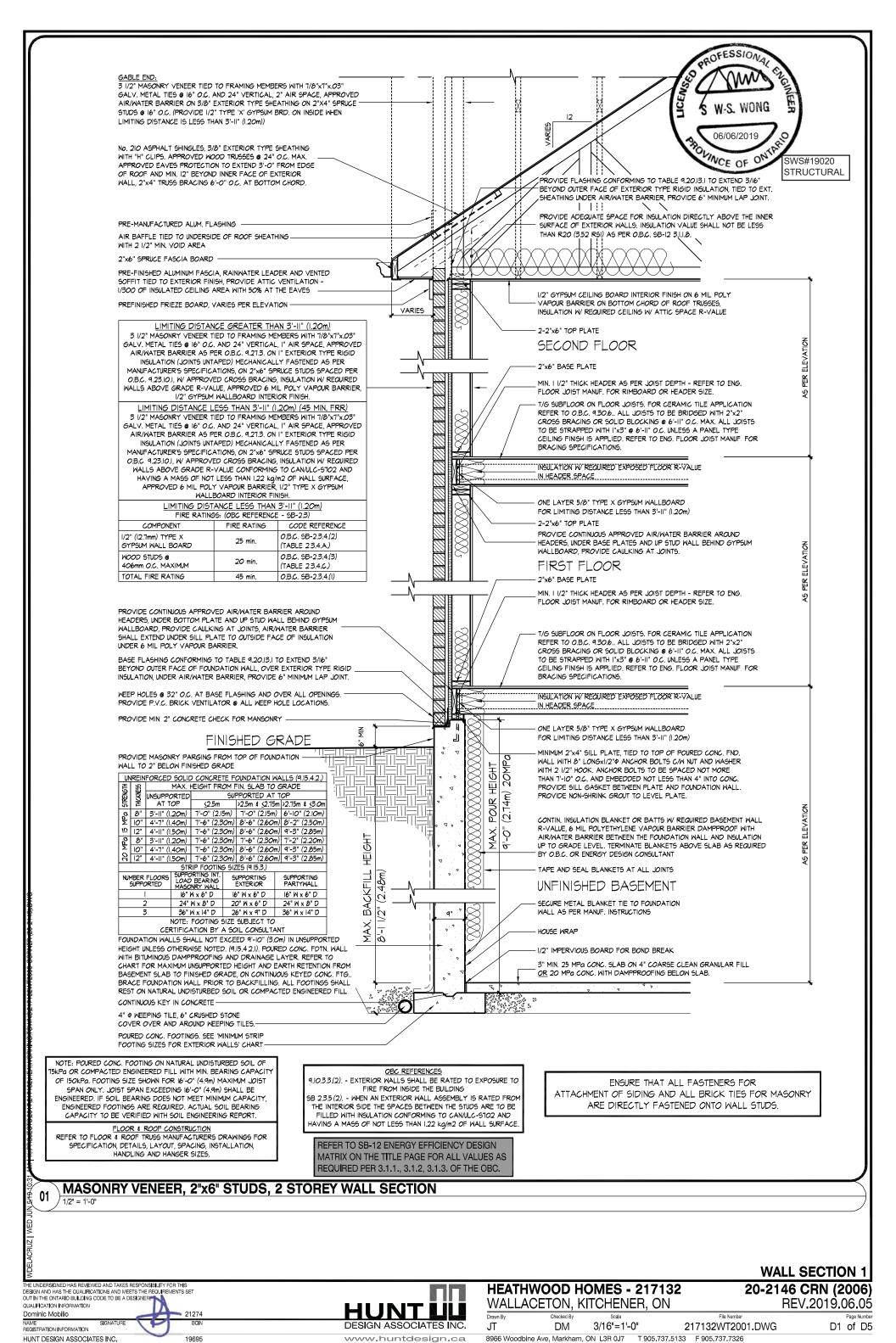
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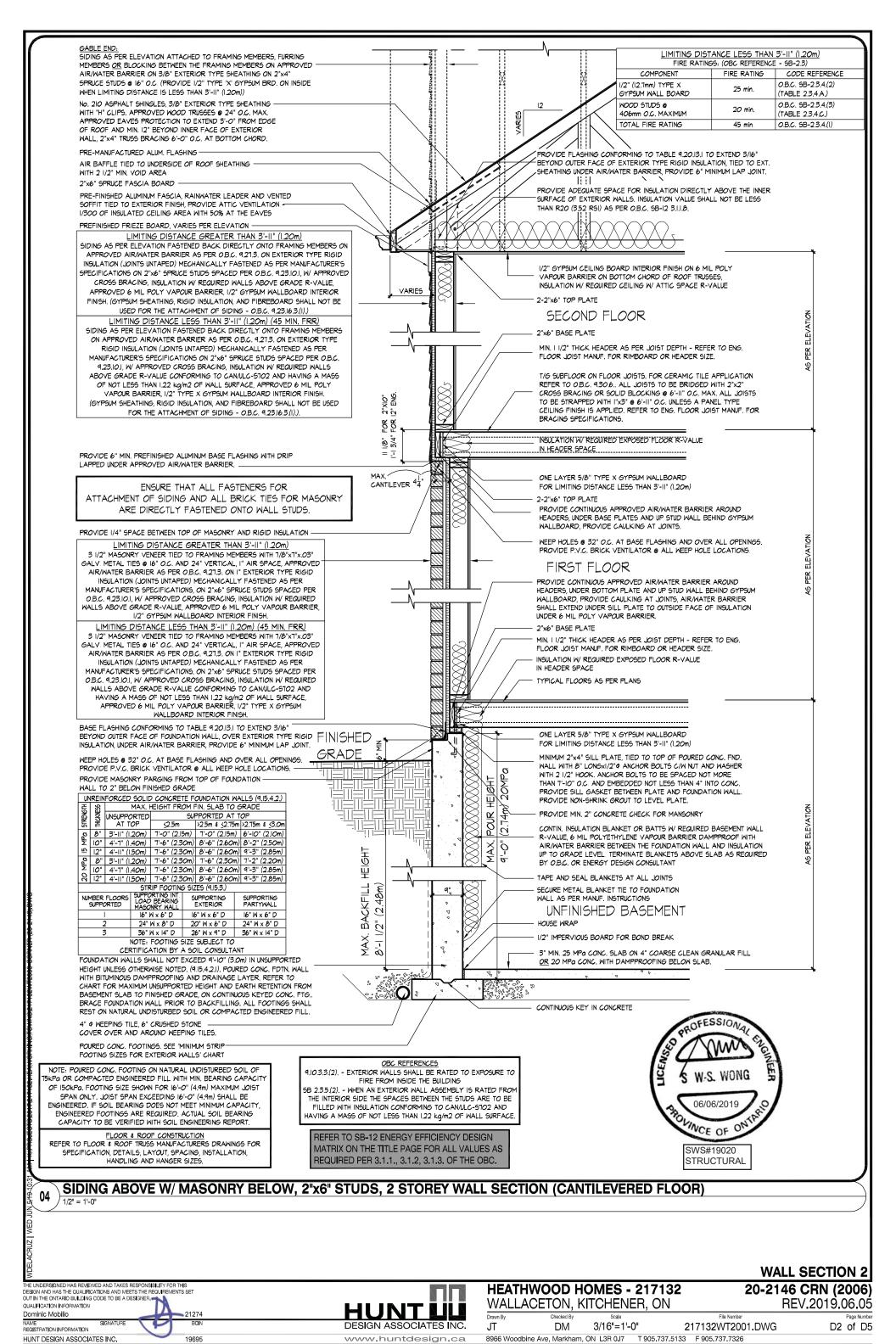
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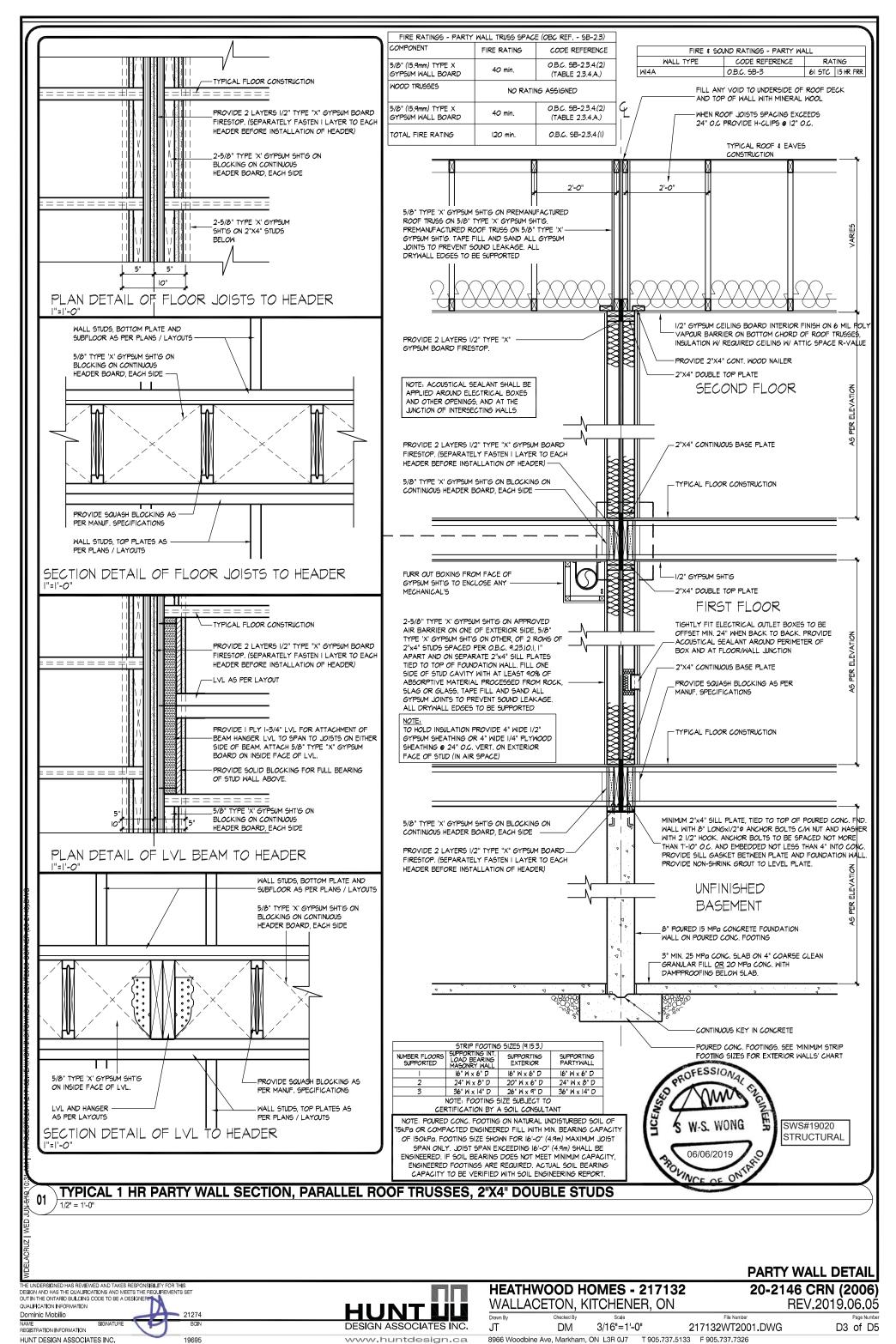
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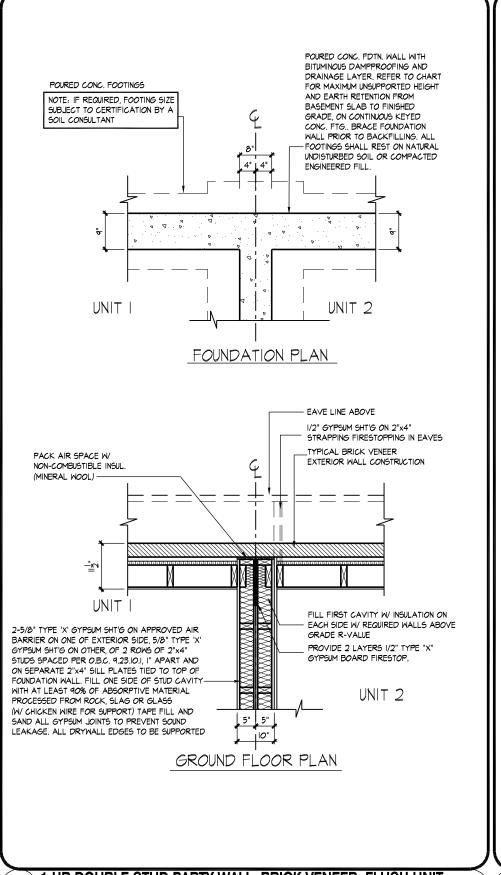
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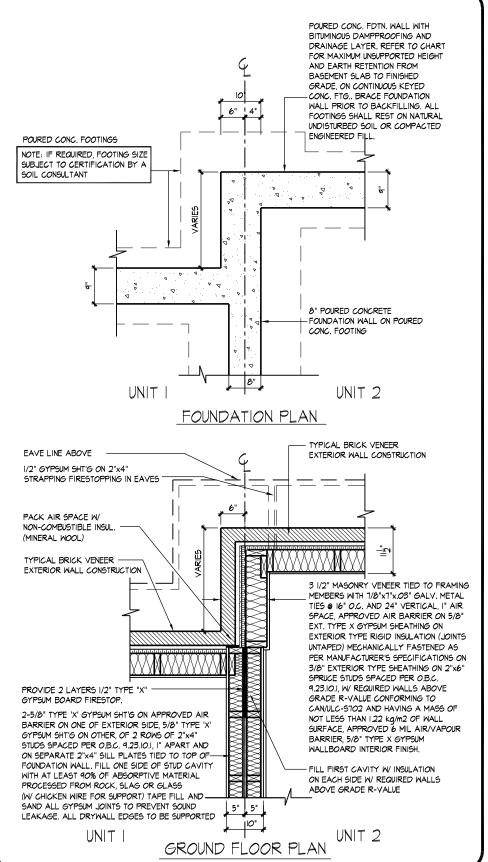


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1 HR DOUBLE STUD PARTY WALL, BRICK VENEER, FLUSH UNIT

¹ 1/2" = 1'-0"

1 HR DOUBLE STUD PARTY WALL, BRICK VENEER, STAGGERED UNIT

217132 - HEATHWOOD HOMES

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

19258

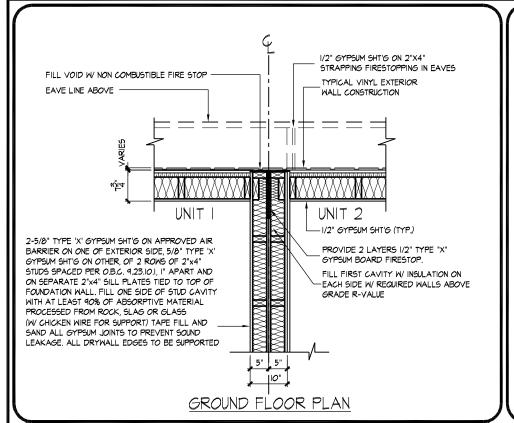
Tony Dicarlo

NAME REGISTRATION INFORMATION HUNTUU
DESIGN ASSOCIATES INC.

DIVISION 9STUD PARTY WALL DETAILS

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REV. 2017/01/02 8966 Woodbine Ave, Markham, ON L3R 0J7 // T 905.737.5133 // F 905.737.7326 9-6

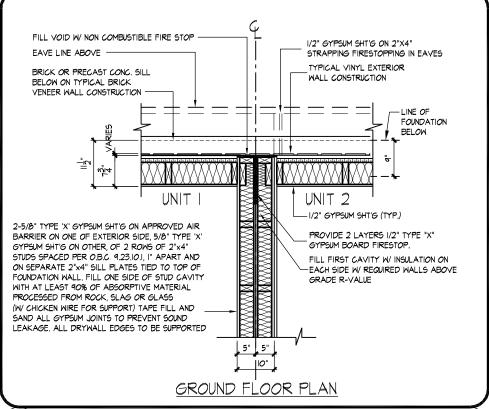


EAVE LINE ABOVE 1/2" GYPSUM SHT'G ON 2"X4" 6" STRAPPING FIRESTOPPING IN EAVES Ø TYPICAL VINYL EXTERIOR WALL CONSTRUCTION NON-COMBUSTIBLE SIDING AS PER ELEVATION ATTACHED TO 5/8" EXT. TYPE X GYPSUM SHEATHING ON STRAPPING AS REQUIRED ON APPROVED AIR BARRIER ON 5/8" EXT. TYPE X GYPSUM SHEATHING ON EXTERIOR TYPE RIGID INSULATION (JOINTS UNTAPED) MECHANICALLY FASTENED AS PER MANUFACTURER'S ψื|4 SPECIFICATIONS ON 3/8" EXTERIOR GRADE SHEATHING ON 2"x6" SPRUCE STUDS SPACED PER O.B.C. 9.23.10.1, INSULATION W REQUIRED WALLS ABOVE GRADE R-VALUE CONFORMING TO UNIT CAN/ULC-5702 AND HAVING A MASS OF NOT LESS THAN 1.22 kg/m2 OF WALL SURFACE, APPROVED 6 PROVIDE 2 LAYERS I/2" TYPE "X" MIL AIR/VAPOUR BARRIER, 5/8" TYPE X GYPSUM WALLBOARD INTERIOR FINISH, (GYPSUM SHEATHING 2-5/8" TYPE 'X' GYPSUM SHT'G ON APPROVED AIR RIGID INSULATION, AND FIBREBOARD SHALL NOT BARRIER ON ONE OF EXTERIOR SIDE, 5/8" TYPE "X" BE USED FOR THE ATTACHMENT OF SIDING - O.B.C GYPSUM SHT'G ON OTHER, OF 2 ROWS OF 2"x4" 9.23.16.3.(1).). STUDS SPACED PER O.B.C. 9.23.10.1, I" APART AND ON SEPARATE 2"x4" SILL PLATES TIED TO TOP OF VINYL SIDING MUST MEET THE REQUIREMENTS OF SECTION 9.10.15.5.(2), OF THE O.B.C. FOUNDATION WALL. FILL ONE SIDE OF STUD CAVITY FILL FIRST CAVITY W INSULATION ON EACH SIDE W/ REQUIRED WALLS ABOVE WITH AT LEAST 90% OF ABSORPTIVE MATERIAL PROCESSED FROM ROCK, SLAG OR GLASS (W/ CHICKEN WIRE FOR SUPPORT) TAPE FILL AND GRADE R-VALUE SAND ALL GYPSUM JOINTS TO PREVENT SOUND 5" 5" LEAKAGE. ALL DRYWALL EDGES TO BE SUPPORTED 10" UNIT 2 GROUND FLOOR PLAN

1 HR DOUBLE STUD PARTY WALL, SIDING, FLUSH UNIT

09

1 HR DOUBLE STUD PARTY WALL, SIDING, STAGGERED UNIT



1/2" GYPSUM SHT'G ON 2"X4" STRAPPING FIRESTOPPING IN EAVES FILL VOID W NON COMBUSTIBLE FIRE STOP LEDGE BELOW TYPICAL BRICK VENEER EXTERIOR WALL CONSTRUCTION LINE OF FOUNDATION WALL ABOVE TYPICAL VINYL EXTERIOR BELOW. WALL CONSTRUCTION NON-COMBUSTIBLE SIDING AS PER ELEVATION ATTACHED TO 5/8" EXT. TYPE X GYPSUM SHEATHING ON APPROVED AIR BARRIER ON 5/8" EXT. TYPE X GYPSUM SHEATHING ON EXTERIOR TYPE RIGID INSULATION (JOINTS UNTAPED) MECHANICALLY FASTENED AS PER MANUFACTURER'S SPECIFICATIONS ON 3/8" <u>_</u>___ ψ้[4 EXTERIOR GRADE SHEATHING ON 2"x6" SPRUCE STUDS SPACED PER OBC 9 23 IO LINGUI ATION W/ REQUIRED WALLS ABOVE GRADE R-VALUE PROVIDE 2 LAYERS I/2" TYPĖ "X CONFORMING TO CANJULC-STO2 AND HAVING A GYPSUM BOARD FIRESTOP. MASS OF NOT LESS THAN 1.22 kg/m2 OF WALL 2-5/8" TYPE 'X' GYPSUM SHT'G ON APPROVED AIR SURFACE, APPROVED 6 MIL AIR/VAPOUR BARRIER, 5/8" TYPE X GYPSUM WALLBOARD BARRIER ON ONE OF EXTERIOR SIDE, 5/8" TYPE 'X' GYPSUM SHT'G ON OTHER, OF 2 ROWS OF 2"x4" INTERIOR FINISH. (GYPSUM SHEATHING, RIGID STUDS SPACED PER O.B.C. 9.23.10.1, I" APART AND INSULATION, AND FIBREBOARD SHALL NOT BE ON SEPARATE 2"x4" SILL PLATES TIED TO TOP OF USED FOR THE ATTACHMENT OF SIDING - O.B.C. FOUNDATION WALL. FILL ONE SIDE OF STUD CAVITY 9.23.16.3.(1).). VINYL SIDING MUST MEET THE WITH AT LEAST 90% OF ABSORPTIVE MATERIAL REQUIREMENTS OF SECTION 9.10.15.5.(2), OF THE PROCESSED FROM ROCK, SLAG OR GLASS (W/ CHICKEN WIRE FOR SUPPORT) TAPE FILL AND FILL FIRST CAVITY W INSULATION ON SAND ALL GYPSUM JOINTS TO PREVENT SOUND - EACH SIDE W/ REQUIRED WALLS ABOVE LEAKAGE. ALL DRYWALL EDGES TO BE SUPPORTED 5" | L 5" GRADE R-VALUE UNIT 2 UNIT I 10" GROUND FLOOR PLAN

1 HR DOUBLE STUD PARTY WALL, SIDING W/ LEDGE, FLUSH UNIT

11

1/2" GYPSUM SHT'G ON 2"X4" STRAPPING FIRESTOPPING IN EAVES 5 GARAGE GARAGE 2 PROVIDE I SHT OF TYPE 'X' GYPSUM SHT'G BEHIND COLUMN-4" WIDE NON-COMBUSTIBLE INSUL. BEYOND END AND FULL HEIGHT (MINERAL WOOL) ENCLOSE COLUMN WITH 2 SHTS 1/2 PROVIDE 2 LAYERS 1/2" TYPE "X" 'YPE 'X' GYPSUM SHT'G ON 2"X4" STUD GYPSIM BOARD FIRESTOP AT EACH SIDE OF COLUMN-FULL HT. 2-5/8" TYPE 'X' GYPSUM SHT'G ON APPROVED AIR BARRIER ON ONE OF EXTERIOR SIDE, 5/8" TYPE 'X' **日** GYPSUM SHT'G ON OTHER, OF 2 ROWS OF 2"x4" STUDS SPACED PER O.B.C. 9.23.10.1, 1" APART AND ON SEPARATE 2"x4" SILL PLATES TIED TO TOP OF STEEL BEAM ABOVE ON FOUNDATION WALL, FILL ONE SIDE OF STUD CAVITY STEEL COLUMN WITH AT LEAST 90% OF ABSORPTIVE MATERIAL TAPE & SEAL GYPSUM PROCESSED FROM ROCK, SLAG OR GLASS BRD. TO STEEL BEAM (W CHICKEN WIRE FOR SUPPORT) TAPE FILL AND SAND ALL GYPSUM JOINTS TO PREVENT SOUND R.H.S.S. COLUMN ON LEAKAGE. ALL DRYWALL EDGES TO BE SUPPORTED FOUNDATION WALL

GROUND FLOOR PLAN

TYP. R.H.S.S. AT PARTY WALL RECESSED CONDITION-DOUBLE STUD

19258

1 HR DOUBLE STUD PARTY WALL, SIDING W/ LEDGE, STAGGERED UNIT

217132 - HEATHWOOD HOMES

DIVISION 9 STUD PARTY WALL DETAILS

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9-7

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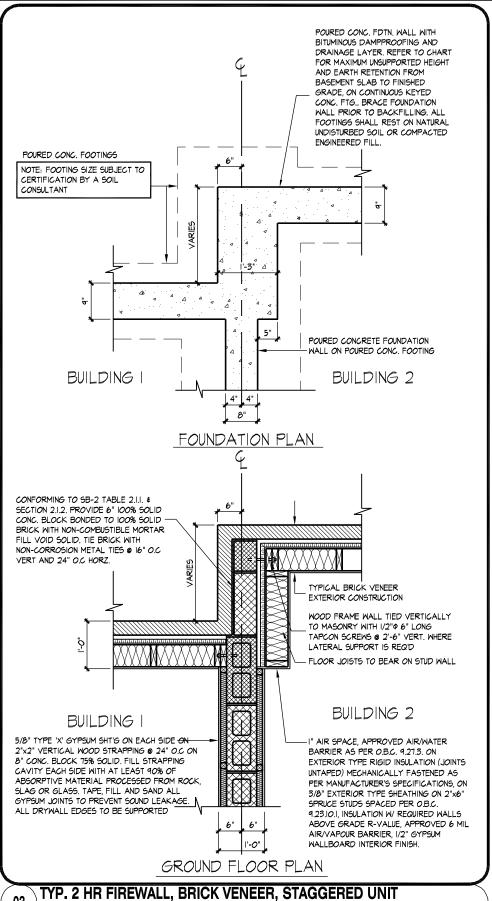
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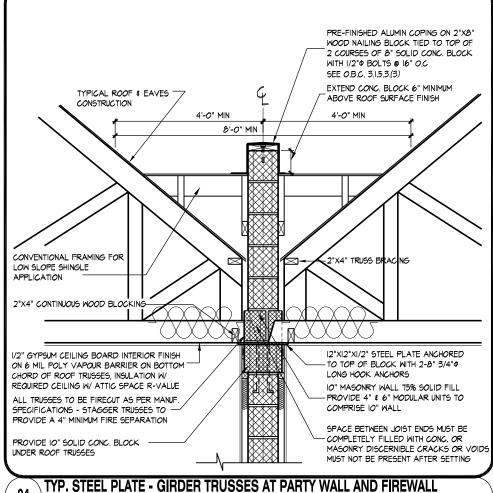
Tony Dicarlo

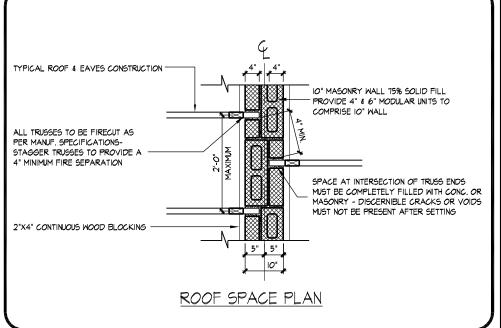
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REV. 2018/11/06

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TYP. TRUSS FRAMING - ROOF TRUSS AT 10" BLOCK FIREWALL

PROVIDE NON COMBUSTIBLE SOLID MORTAR YPICAL BRICK VENEER EXTERIOR WALL CONSTRUCTION 2-2"X6" CONT. VERT. BLOCKING WOOD FRAME WALL TIED 8" 100% SOLID CONC. BLOCK ALLY TO MAS 3/8" 4 4" LONG TAPCON SCREWS @ 2'-6" VERT. WHERE LATERAL 5/8" TYPE 'X' GYPSUM SHT'G ON EACH SIDE ON SUPPORT IS REQ'D 2"x2" VERTICAL WOOD STRAPPING @ 24" O.C ON 8" CONC. BLOCK 75% SOLID. FILL STRAPPING BUILDING 2 CAVITY EACH SIDE WITH AT LEAST 90% OF ABSORPTIVE MATERIAL PROCESSED FROM ROCK. SLAG OR GLASS. TAPE, FILL AND SAND ALL GYPSUM JOINTS TO PREVENT SOUND LEAKAGE. ALL DRYWALL EDGES TO BE SUPPORTED BUILDING I GROUND FLOOR PLAN

TYP. 2 HR FIREWALL, BRICK VENEER, FLUSH UNIT

19258

217132 - HEATHWOOD HOMES

04

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Tony Dicarlo

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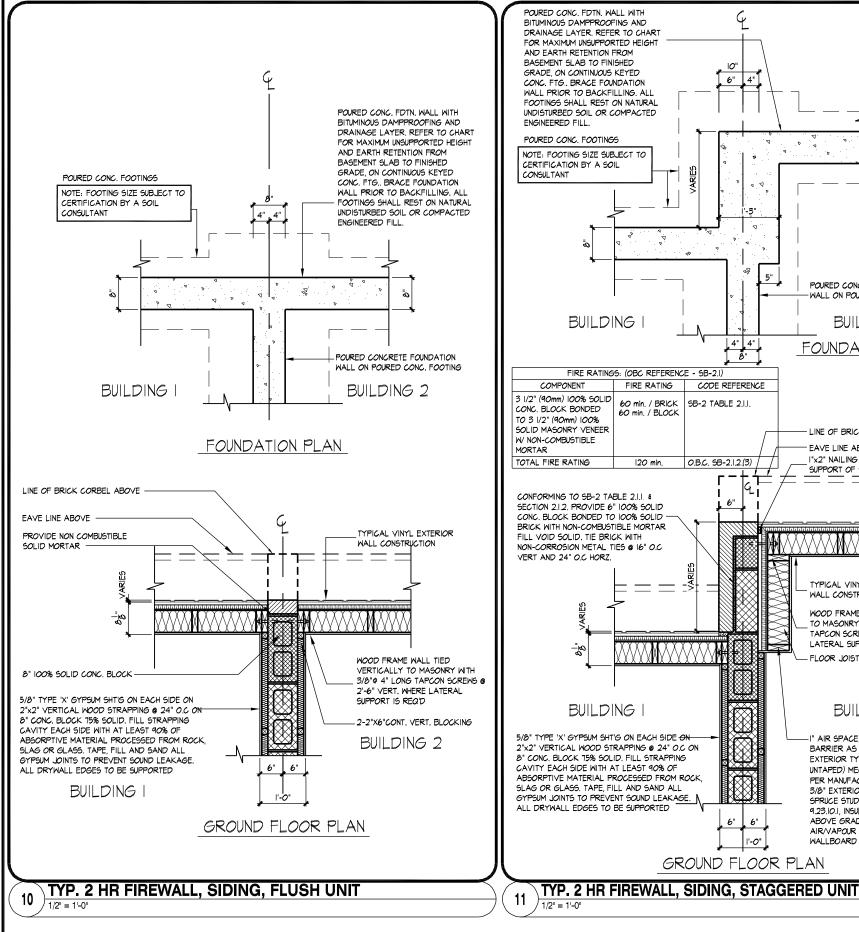
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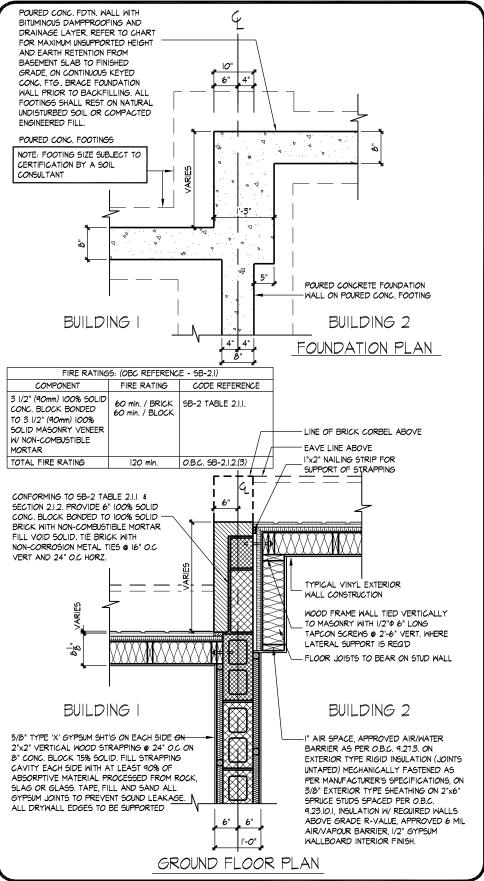
DIVISION 10FIRE WALL DETAILS

REV. 2017/01/02

10-3

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 19695
 www.huntdesign.ca
 8966 Woodbine Ave, Markham, ON L3R 0J7 // T 905.737.5133 // F 905.737.7326





217132 - HEATHWOOD HOMES

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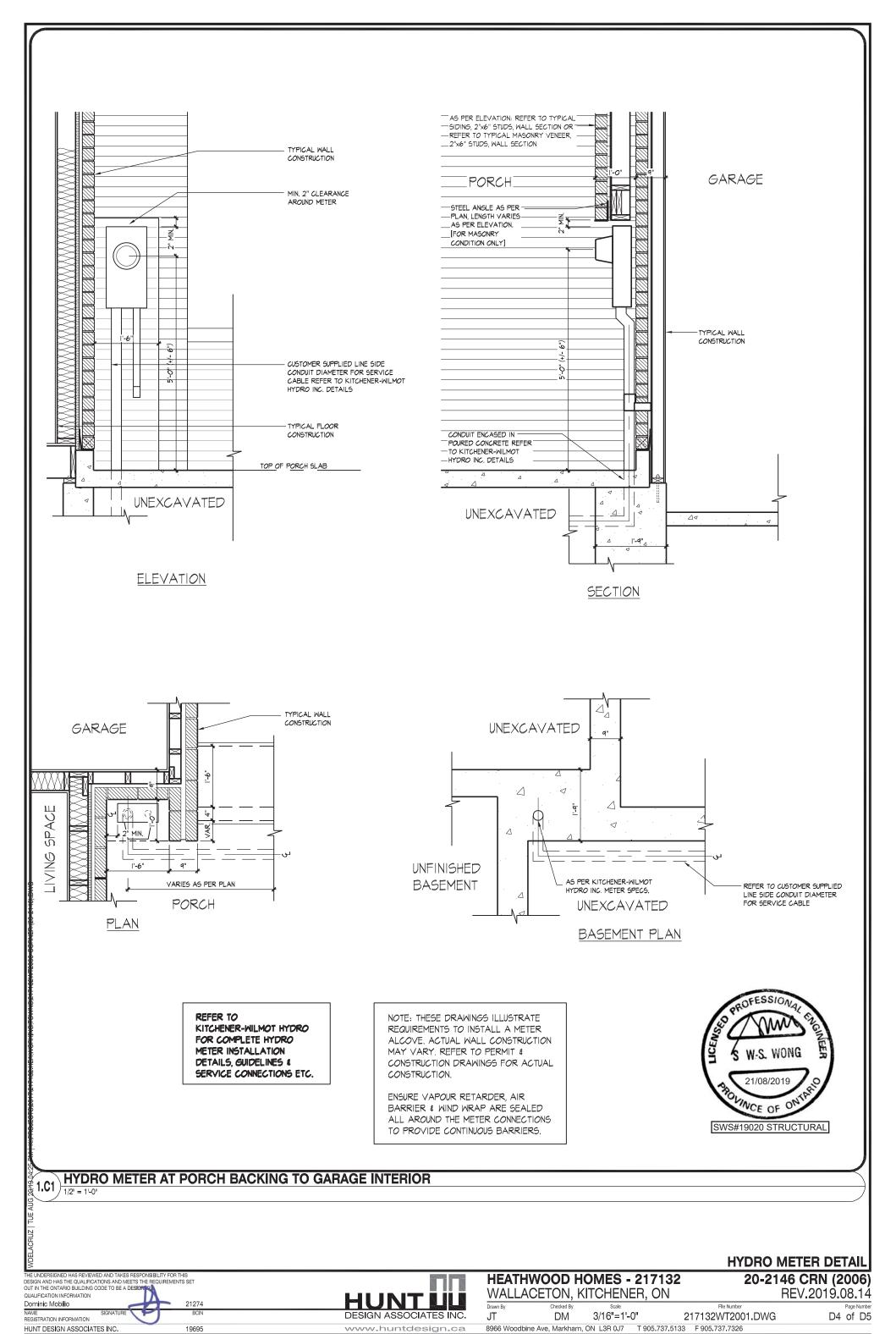
Tony Dicarlo

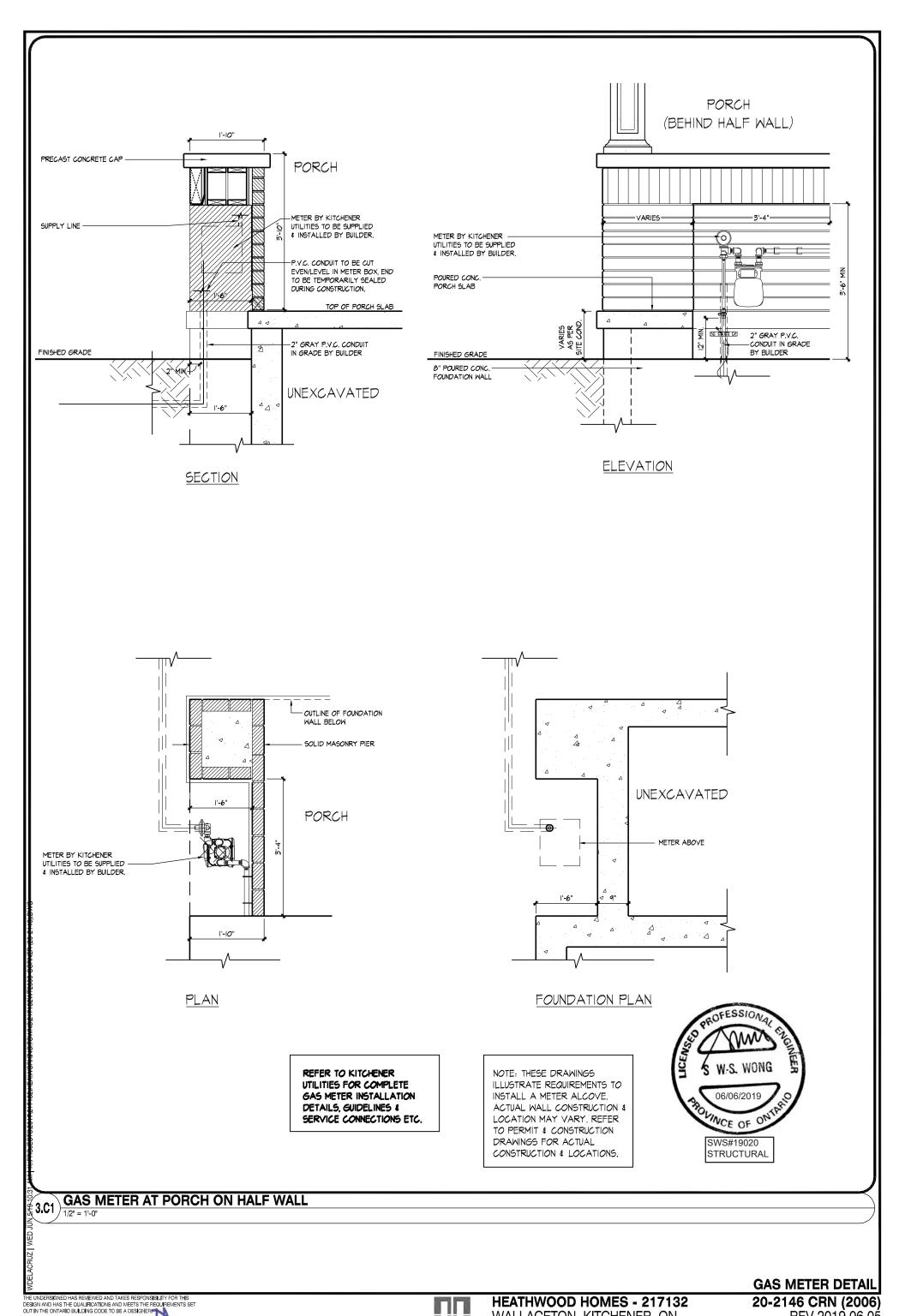
DIVISION 10 FIRE WALL DETAILS

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