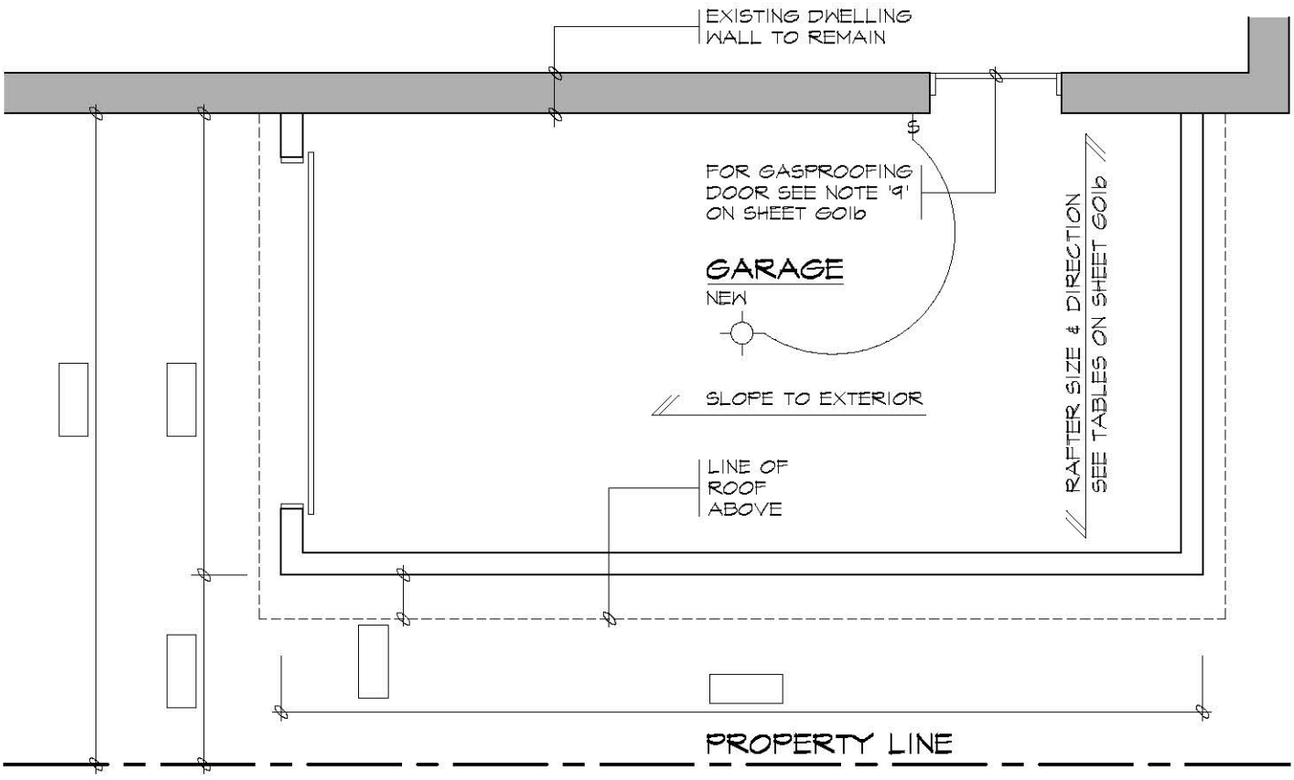
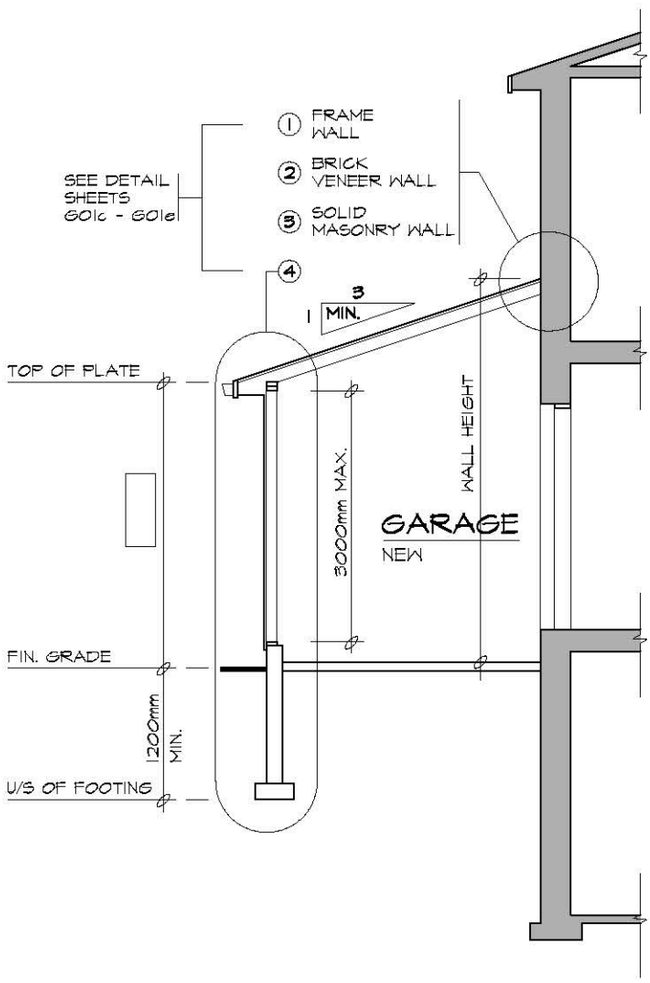
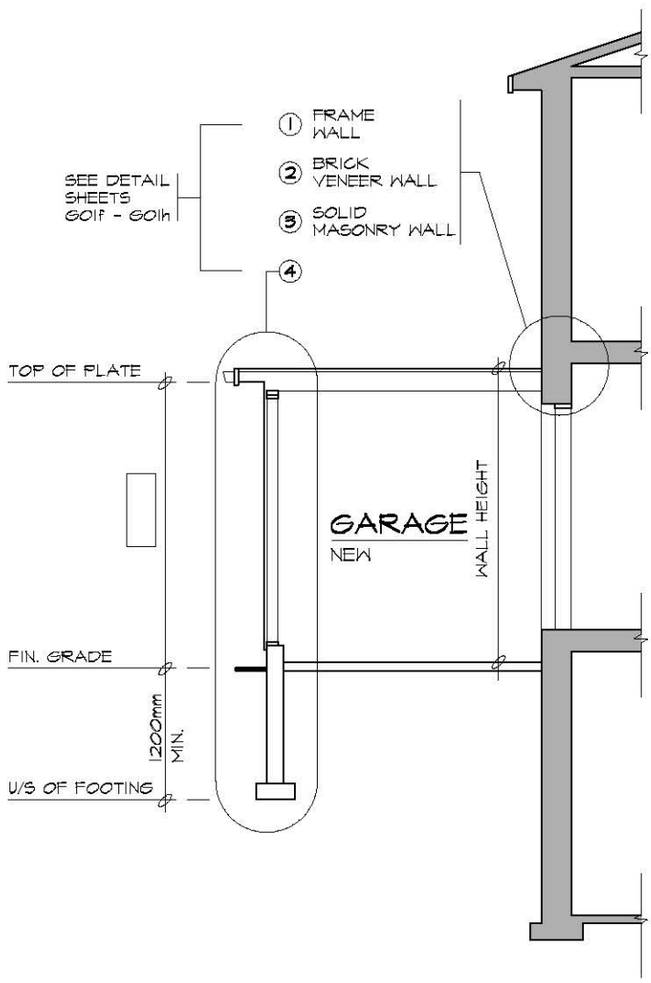


GARAGE PLAN (PROVIDE DIMENSIONS IN BOXES)



SLOPING ROOF



FLAT ROOF

TACBOC
STANDARD DETAIL

TITLE
ATTACHED GARAGE
PLAN & SECTIONS

DWG. NO.
G01a
2007

ROOF RAFTERS (WHERE NO CEILING IS INSTALLED)

MAXIMUM CLEAR SPAN (M)						
RAFTER SIZE	ROOF SNOW LOAD 1.0kPa			ROOF SNOW LOAD 1.5kPa		
	RAFTER SPACING (mm) O.C.			RAFTER SPACING (mm) O.C.		
	300	400	600	300	400	600
38x89	3.11	2.83	2.47	2.72	2.47	2.16
38x140	4.90	4.45	3.89	4.28	3.89	3.40
38x184	6.44	5.85	5.11	5.62	5.11	4.41
38x235	8.22	7.47	6.38	7.18	6.52	5.39

ROOF JOISTS (WHERE CEILING IS INSTALLED)

MAXIMUM CLEAR SPAN (M)						
JOIST SIZE	ROOF SNOW LOAD 1.0kPa			ROOF SNOW LOAD 1.5kPa		
	JOIST SPACING (mm) O.C.			JOIST SPACING (mm) O.C.		
	300	400	600	300	400	600
38x140	3.89	3.53	3.08	3.40	3.08	2.69
38x184	5.11	4.64	4.05	4.46	4.05	3.54
38x235	6.52	5.93	5.18	5.70	5.18	4.52

LINTELS (MAXIMUM 1.5 kPa ROOF SNOW LOAD)

DOOR WIDTH	LINTELS FOR WOOD FRAMING		LINTELS FOR BRICK VENEER 90mm		LINTELS FOR SOLID MASONRY 200mm	
	NOT SUPPORTING THE ROOF	SUPPORTING THE ROOF	NOT SUPPORTING THE ROOF	SUPPORTING THE ROOF	NOT SUPPORTING THE ROOF	SUPPORTING THE ROOF
UP TO 3000mm	2/38x184	2/38x286	2/38x184 + ANGLE 125x90x8	2/38x286 + ANGLE 125x90x8	2 ANGLES 150x100x10	W150x22 + PLATE 200x10
UP TO 4900mm	2/38x286	4/38x286 OR 2-45x300 1.9E LVL	W200x27 + PLATE 200x10	W200x27 + PLATE 200x10	MUST BE DESIGNED	MUST BE DESIGNED

GENERAL NOTES

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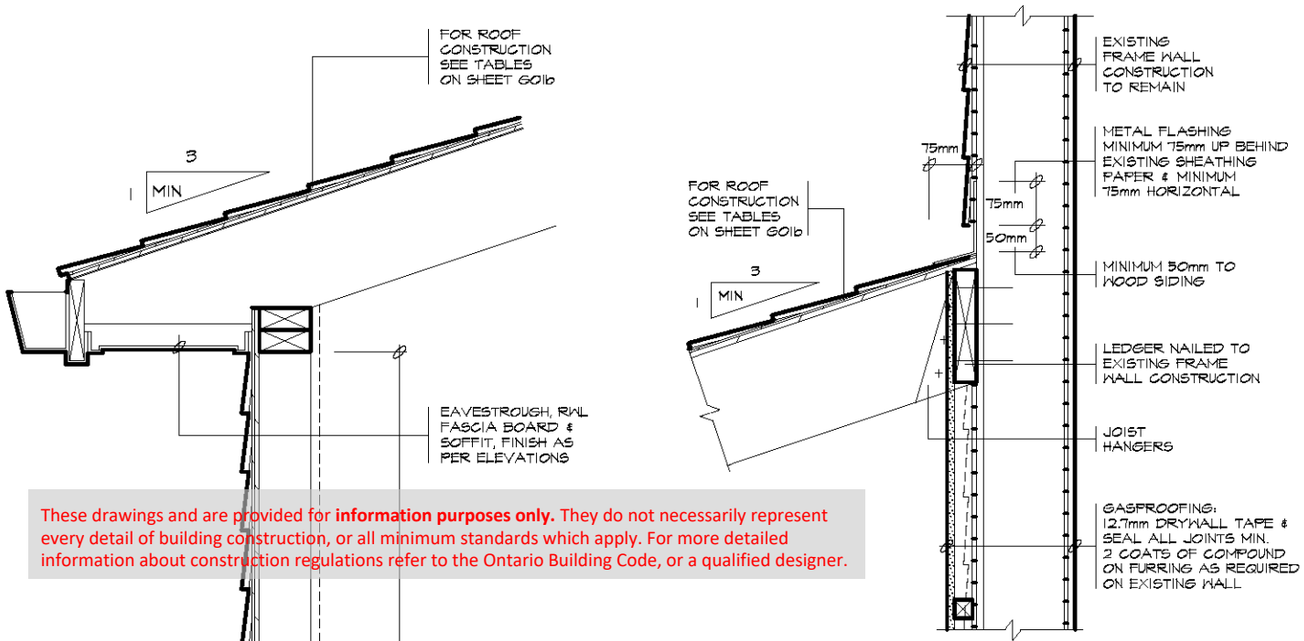
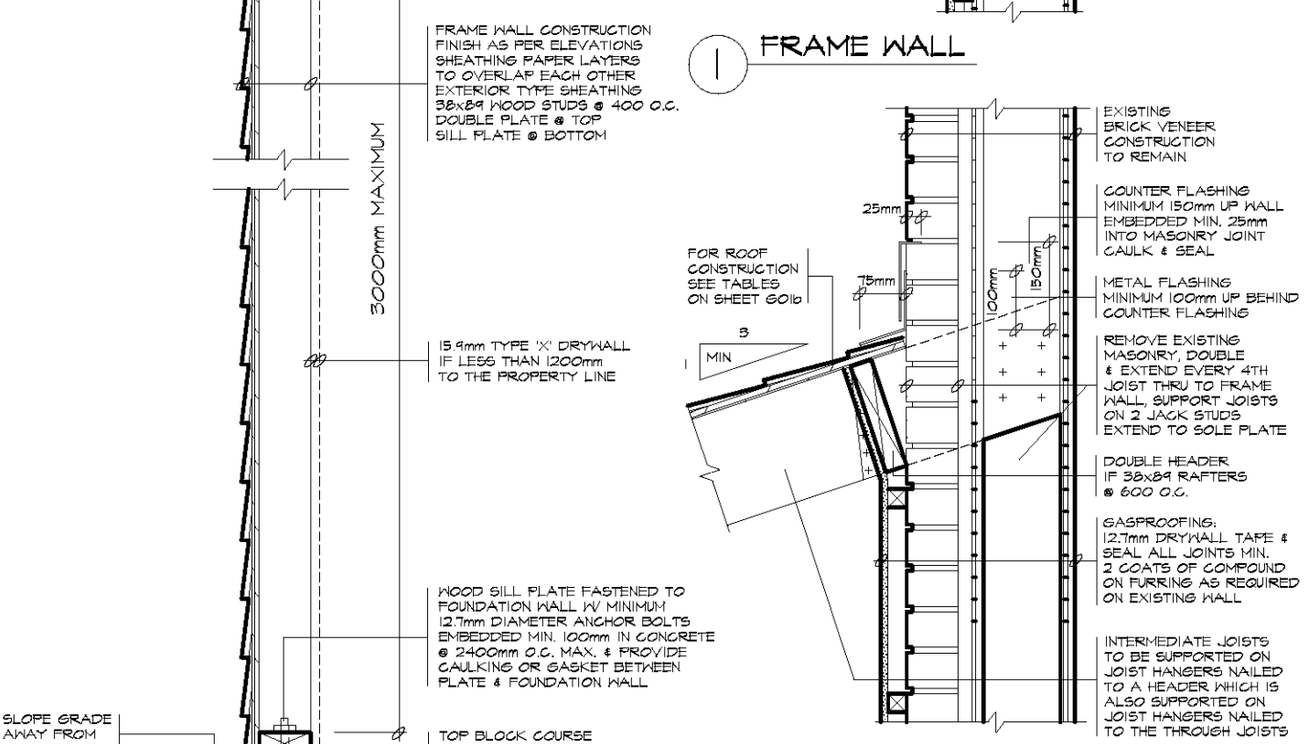
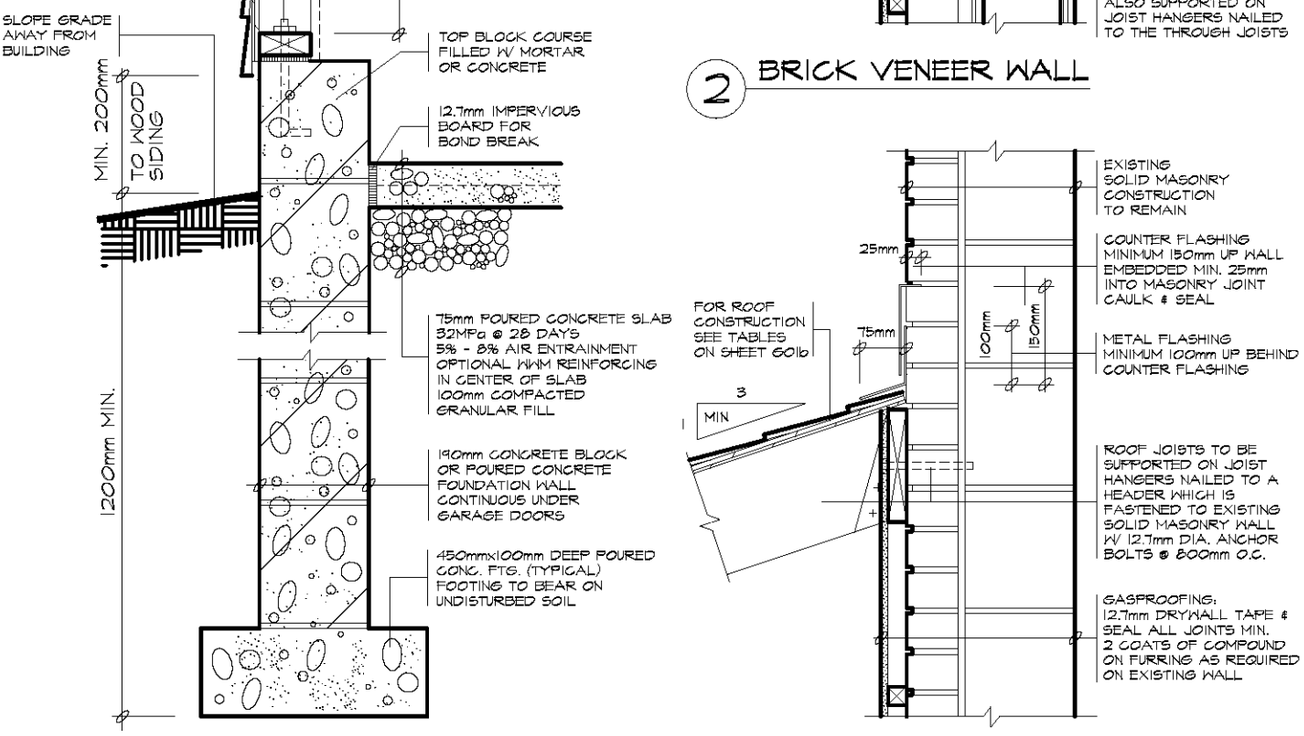
1. ALL LUMBER TO BE NO. 1&2 SPRUCE OR BETTER
2. ALL PLYWOOD SHALL BE STAMPED EXTERIOR GRADE
3. ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL
4. IF GARAGE WALL IS LESS THAN 1200mm TO THE PROPERTY LINE PROVIDE 15.9mm TYPE 'X' DRYWALL INTERIOR SHEATHING. NO WINDOWS ARE PERMITTED.
5. IF GARAGE WALL IS LESS THAN 600mm TO THE PROPERTY LINE NON-COMBUSTIBLE CLADDING OR VINYL SIDING W/ GYPSUM SHEATHING IS REQUIRED.
6. GARAGE WALLS ADJOINING DWELLING MUST BE COMPLETELY SEALED TO PREVENT ANY INFILTRATION OF GASES INTO THE DWELLING.
7. CAULK ALL PENETRATIONS SUCH AS HOSE BIB & JOINTS BETWEEN GYPSUM BD. & OTHER SURFACES W/ ACOUSTICAL SEALANT.
8. WHERE ATTACHED GARAGE IS ADJACENT TO AN ATTIC SPACE, CARRY GYPSUM BOARD UP TO ROOF SHEATHING & SEAL W/ FLEXIBLE CAULKING.
9. DOORS BETWEEN THE GARAGE & DWELLING MUST BE EXTERIOR TYPE, TIGHT FITTING, WEATHERSTRIPPED & PROVIDED W/ A SELF CLOSING DEVICE & A DEADBOLT LOCK. DOOR MUST NOT OPEN DIRECTLY INTO A BEDROOM.
10. GARAGE SLAB SHALL BE SLOPED TO DRAIN TO THE OUTSIDE. CONCRETE SHALL BE MIN. 32MPa W/ 5%-8% AIR ENTRAINMENT.
11. ALL ROOF SHEATHING TO BE 9.5mm PLYWOOD OR 11mm OSB, FOR ROOF RAFTERS @ 300mm OR 400mm O.C. USE "H" CLIPS FOR ROOF RAFTERS @ 600mmO.C..
12. STEPPED FOOTINGS, IF REQUIRED, SHALL HAVE A MAXIMUM RISE OF 600mm & A MINIMUM RUN OF 600mm.
13. PROVIDE A LIGHT FIXTURE IN THE GARAGE.
14. STEEL BEAMS TO BE SUPPORTED BY SOLID MASONRY (190mm BEARING ON MASONRY OR 73mm DIA. STEEL COLUMN).
15. LINTELS AND BEAMS TO BE DESIGNED BY A QUALIFIED PERSON FOR SPANS GREATER THAN 4900mm



1 FRAME WALL



2 BRICK VENEER WALL



4 FRAME WALL SECTION

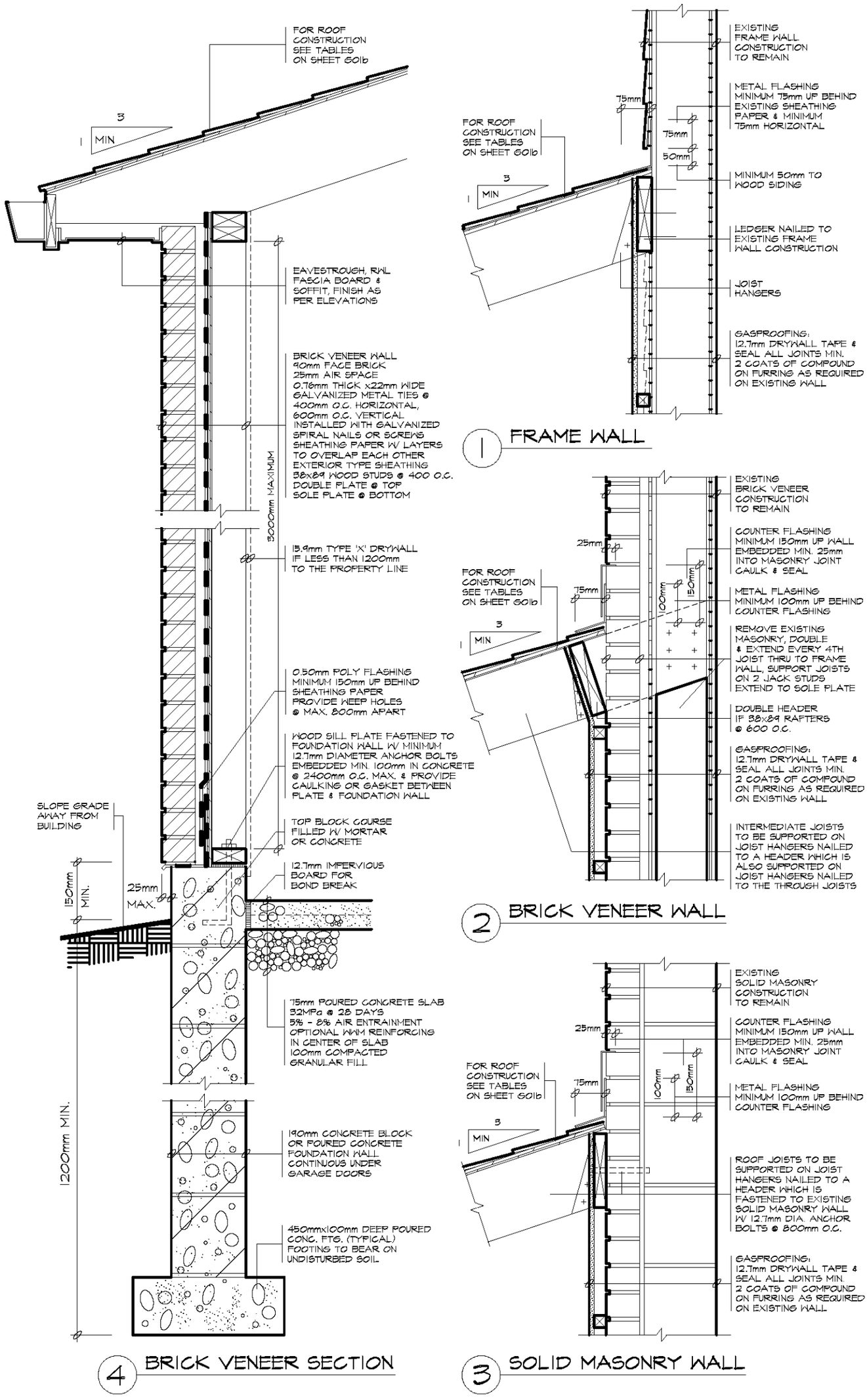
3 SOLID MASONRY WALL

NOTE: THESE DETAILS ARE NOT TO BE USED FOR ADDITION OF LIVING SPACES

TACBOC
STANDARD DETAIL

TITLE
ATTACHED GARAGE
SLOPING ROOF W/ FRAME WALL DETAILS

DWG. NO.
G01c
2007

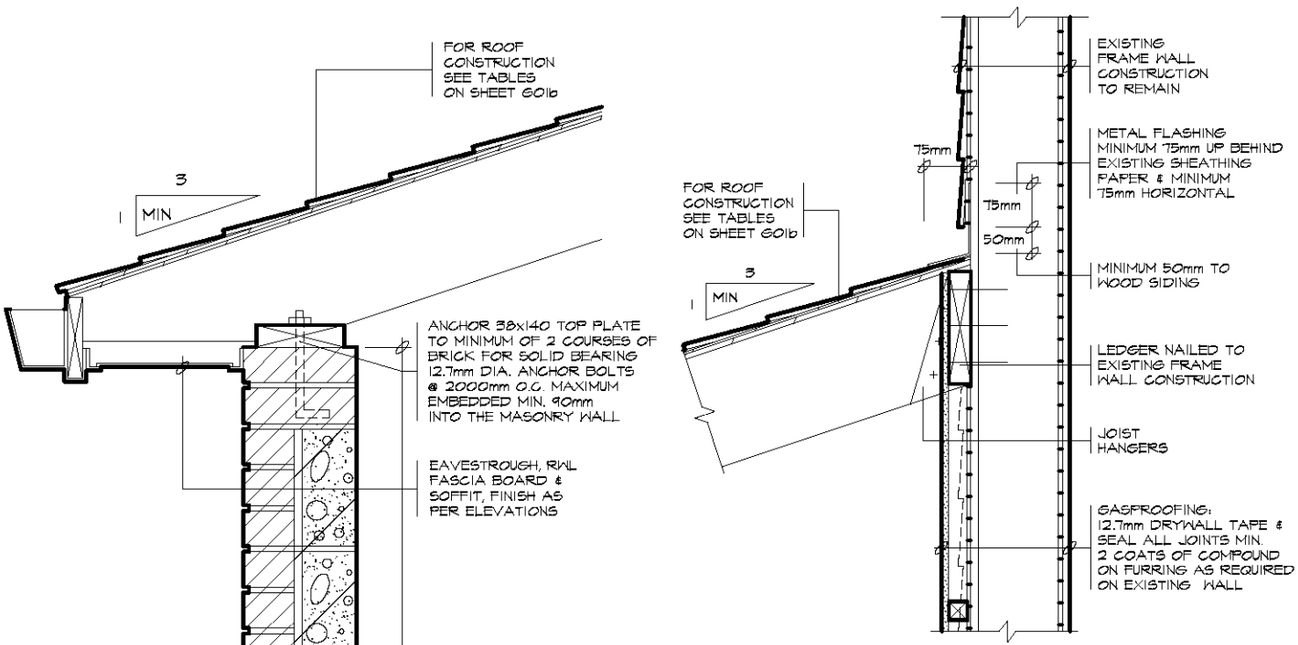


TACBOC
STANDARD DETAIL

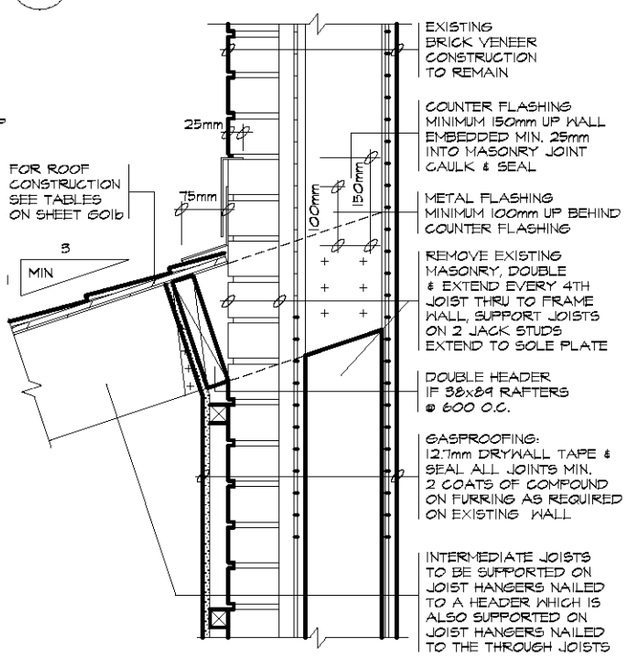
TITLE
ATTACHED GARAGE
SLOPING ROOF & BRICK VENEER DETAILS

DWG. NO.
G01d

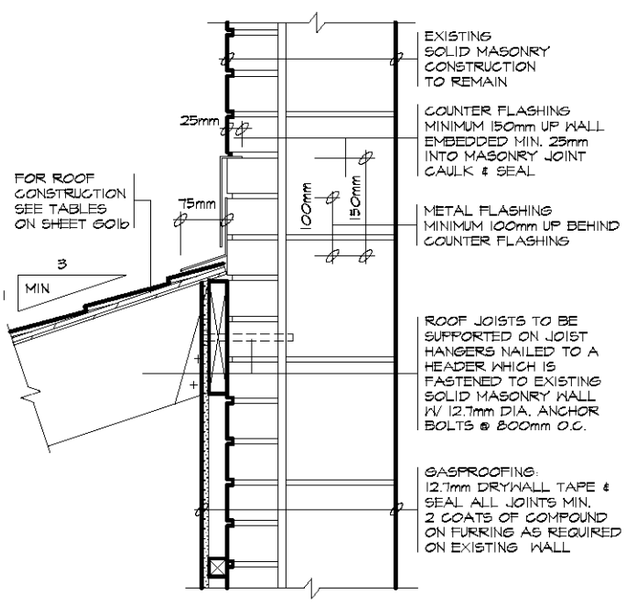
2007



1 FRAME WALL



2 BRICK VENEER WALL



3 SOLID MASONRY WALL

4 SOLID MASONRY SECTION

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TACBOC
STANDARD DETAIL

TITLE

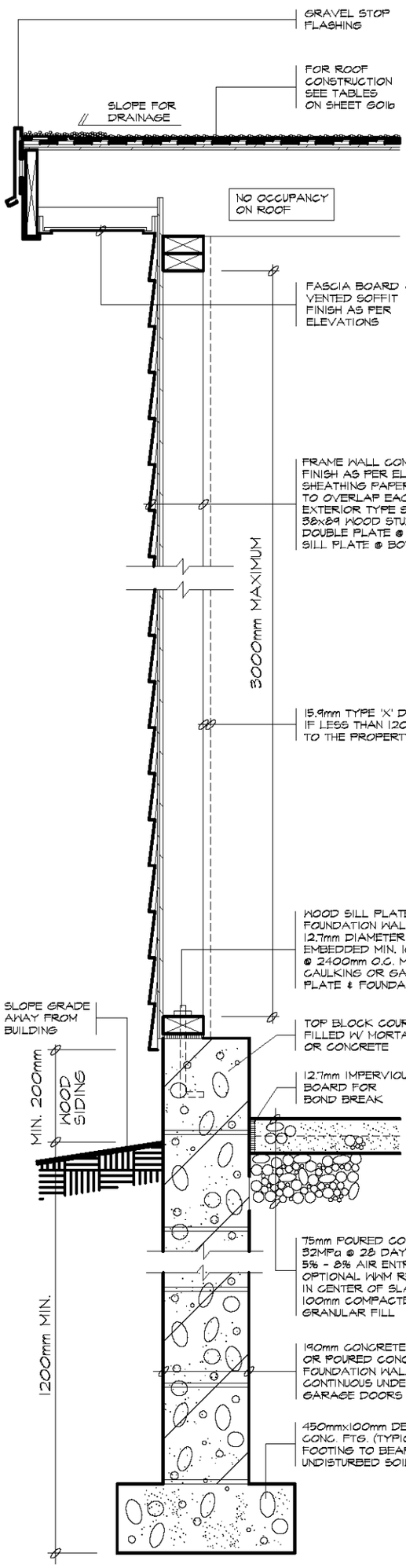
ATTACHED GARAGE

SLOPING ROOF & SOLID MASONRY DETAILS

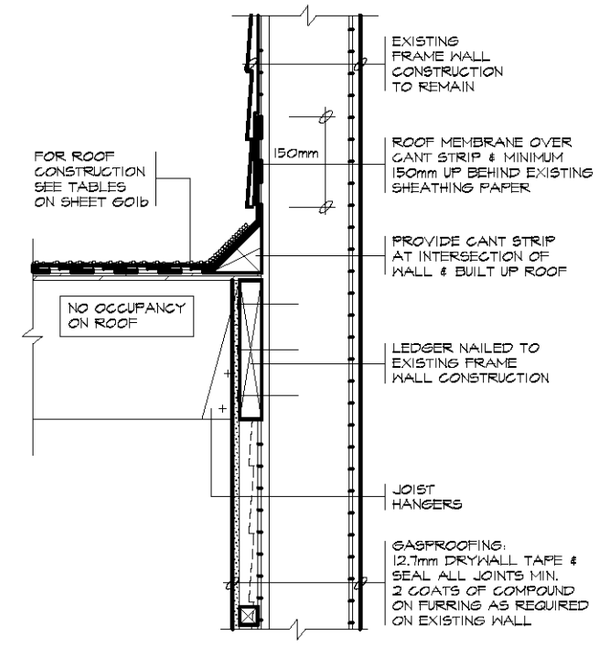
DWG. NO.

G01e

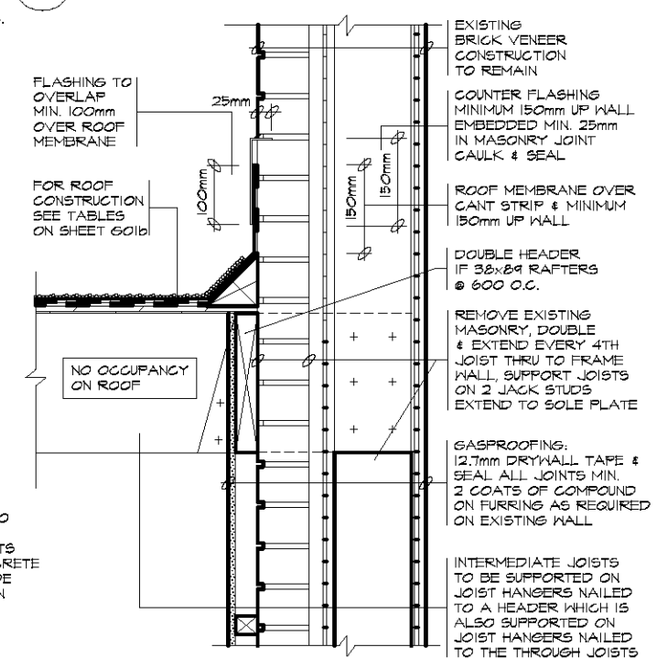
2007



4 WALL SECTION



1 FRAME WALL



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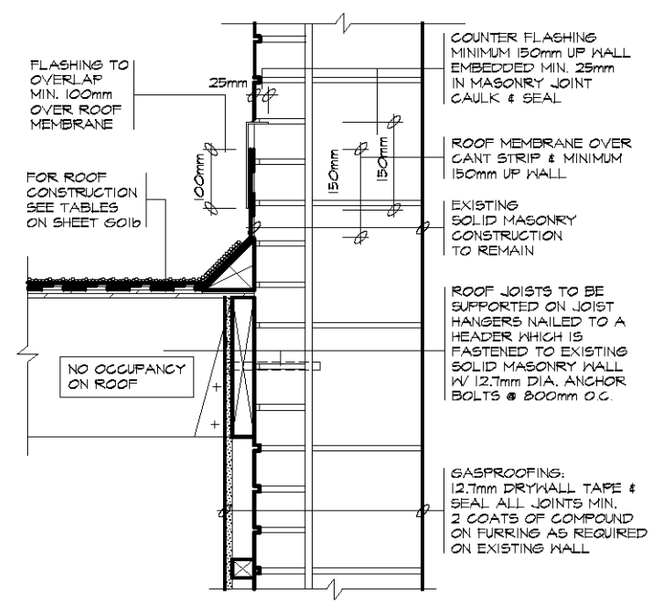


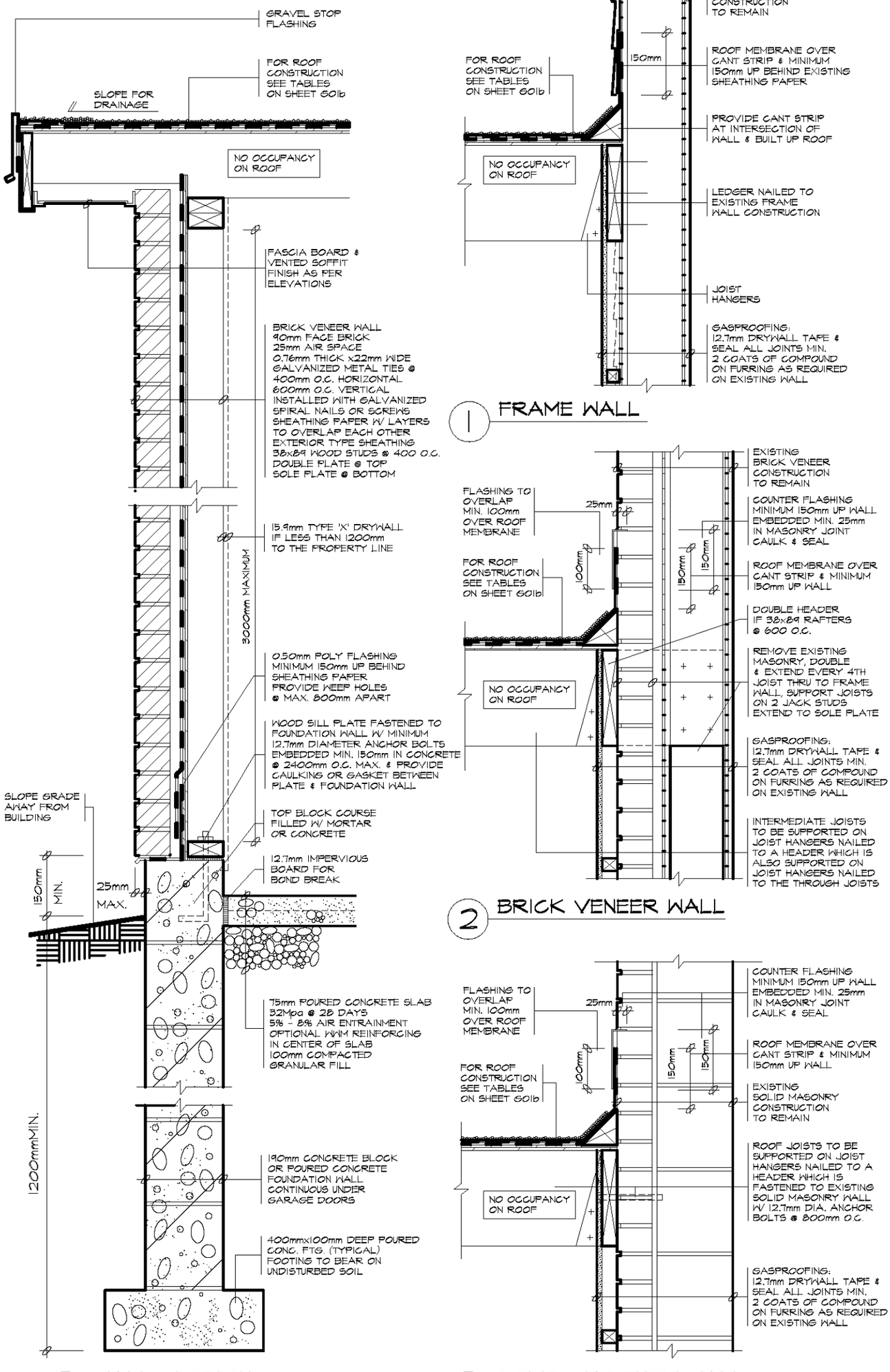
3 SOLID MASONRY WALL

TACBOC
STANDARD DETAIL

TITLE
ATTACHED GARAGE
FLAT ROOF & FRAME WALL DETAILS

DWG. NO.
G01f

2007



TACBOC
STANDARD DETAIL

TITLE

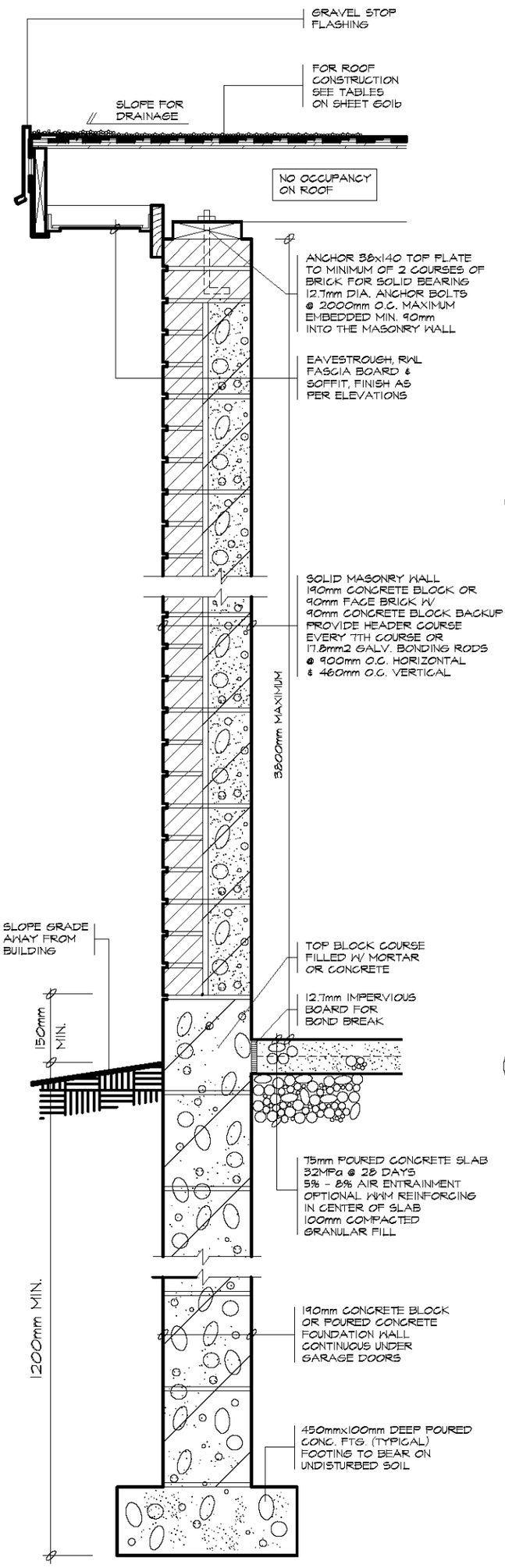
ATTACHED GARAGE

FLAT ROOF & BRICK VENEER DETAILS

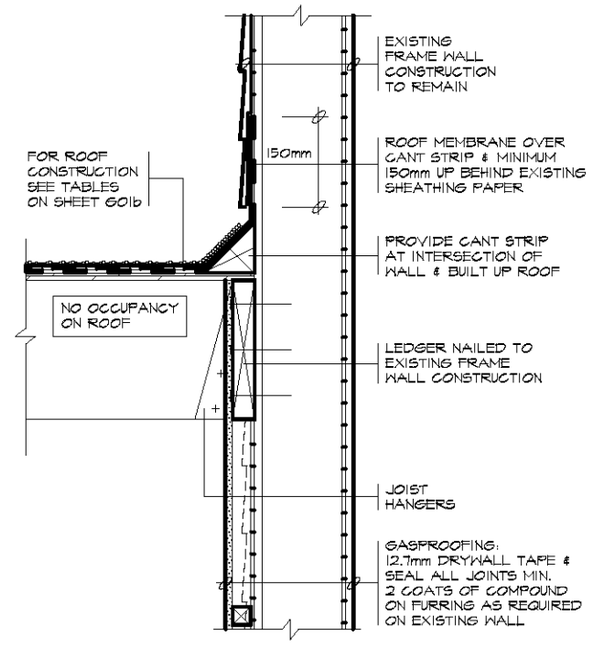
DWG. NO.

G01g

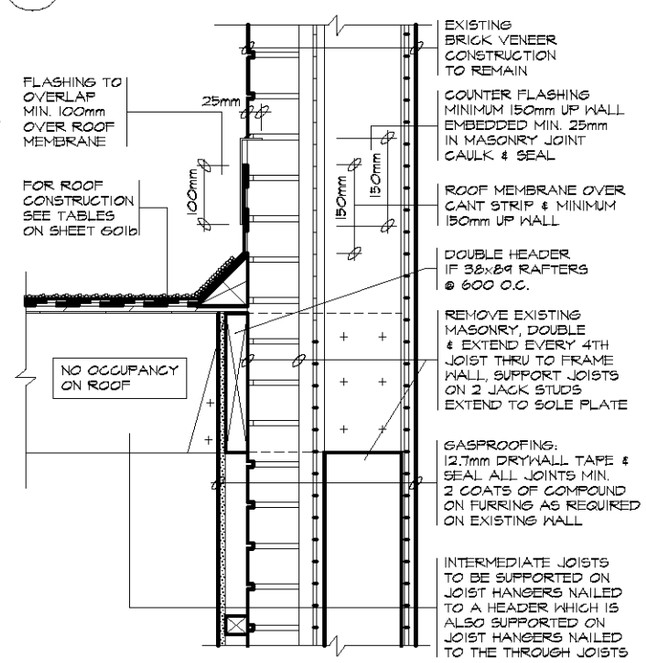
2007



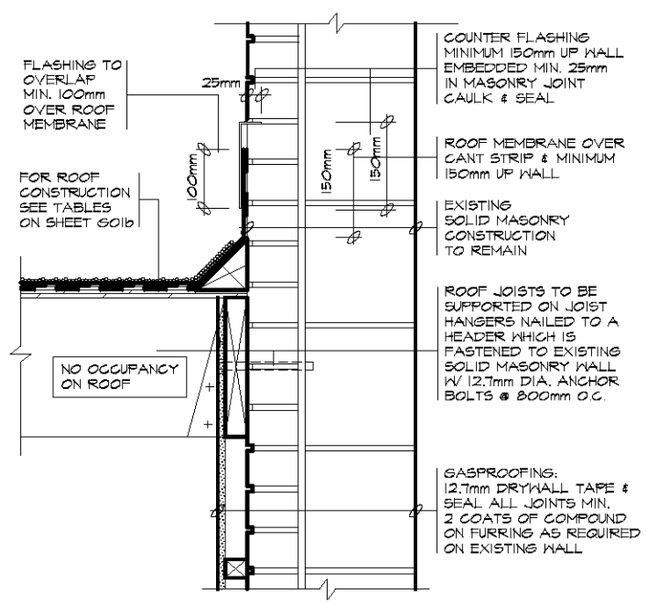
4 WALL SECTION



1 FRAME WALL



2 BRICK VENEER WALL



3 SOLID MASONRY WALL

TACBOC
STANDARD DETAIL

TITLE

ATTACHED GARAGE

FLAT ROOF & SOLID MASONRY DETAILS

DWG. NO.

G01h

2007

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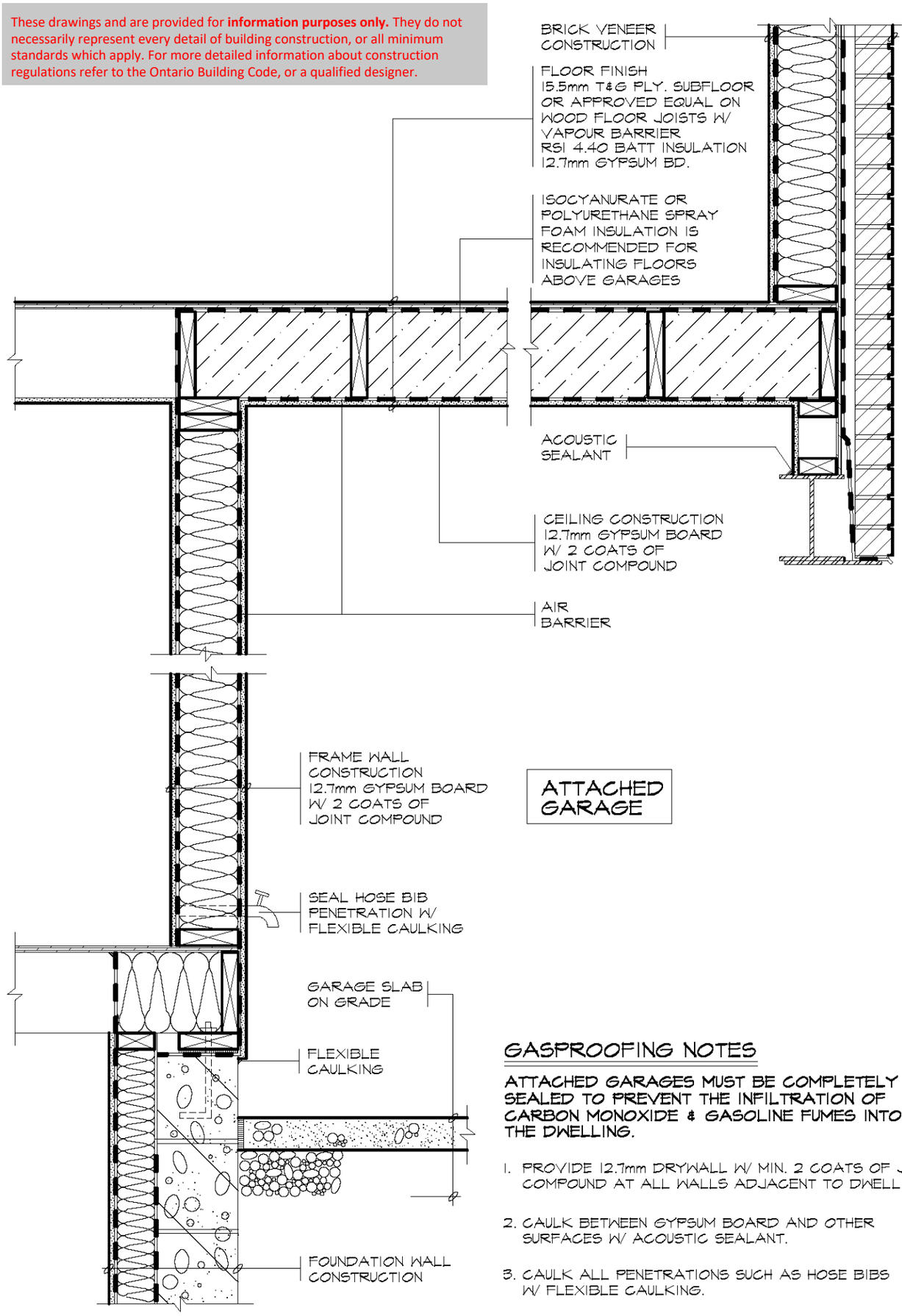


ATTACHED GARAGE

GASPROOFING NOTES

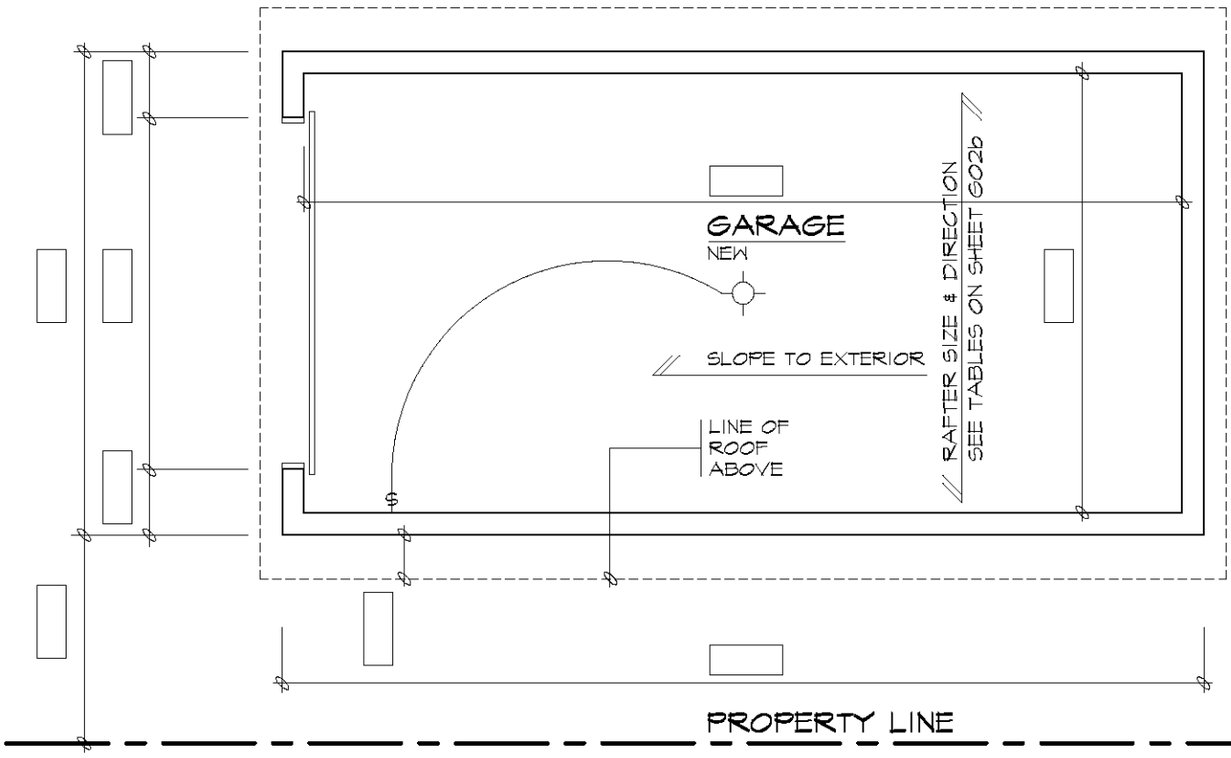
ATTACHED GARAGES MUST BE COMPLETELY SEALED TO PREVENT THE INFILTRATION OF CARBON MONOXIDE & GASOLINE FUMES INTO THE DWELLING.

1. PROVIDE 12.7mm DRYWALL W/ MIN. 2 COATS OF JOINT COMPOUND AT ALL WALLS ADJACENT TO DWELLING.
2. CAULK BETWEEN GYPSUM BOARD AND OTHER SURFACES W/ ACOUSTIC SEALANT.
3. CAULK ALL PENETRATIONS SUCH AS HOSE BIBS W/ FLEXIBLE CAULKING.
4. DOORS BETWEEN GARAGE & DWELLING SHALL BE TIGHT FITTING & WEATHERSTRIPPED & PROVIDED W/ A SELF CLOSING DEVICE. DOOR MUST NOT OPEN DIRECTLY INTO A ROOM INTENDED FOR SLEEPING.
5. GARAGE SLAB SHALL BE SLOPED TO DRAIN OUTDOORS
6. WHERE AN ATTACHED GARAGE IS ADJACENT TO AN ATTIC SPACE CARRY DRYWALL UP TO ROOF SHEATHING & CAULK W/ FLEXIBLE CAULKING.
7. UNIT MASONRY WALLS FORMING THE SEPARATION BETWEEN THE DWELLING & ATTACHED GARAGE SHALL BE PROVIDED W/ 2 COATS OF A SEALER OR COVERED W/ PLASTER OR GYPSUM BOARD ON THE GARAGE SIDE.

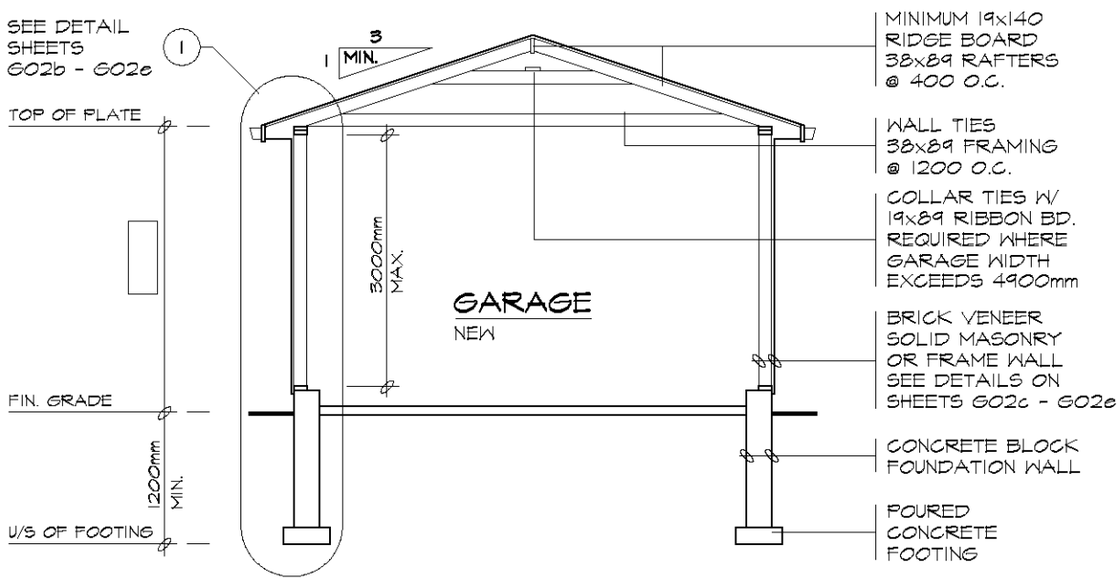
TACBOC
STANDARD DETAIL

TITLE
ATTACHED GARAGE
GASPROOFING & INSULATION DETAILS

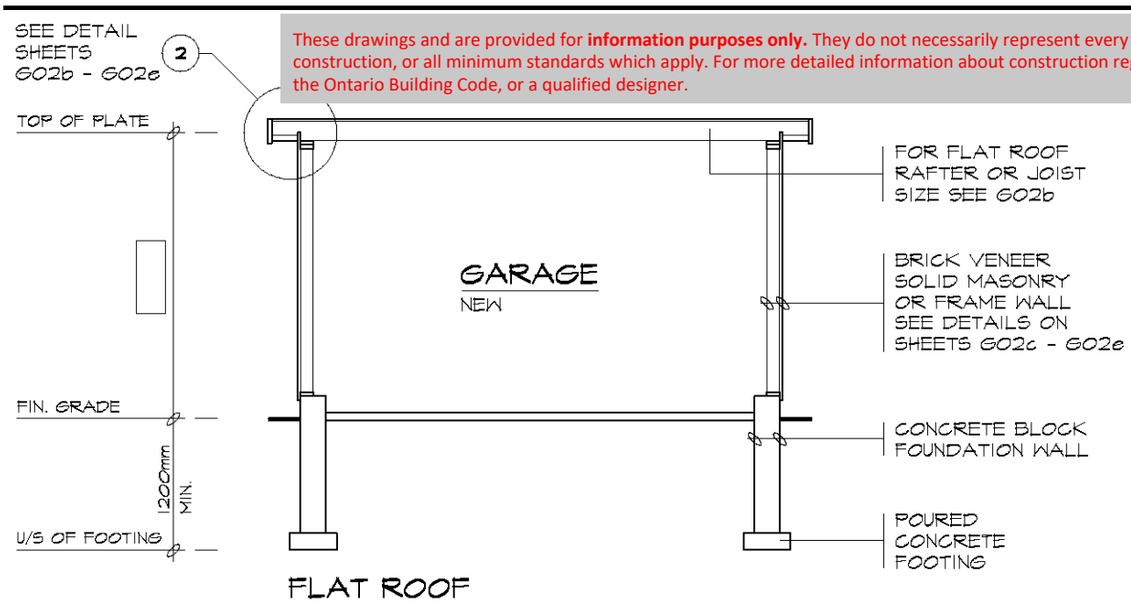
DWG. NO.
GOIi
2007



GARAGE PLAN (PROVIDE DIMENSIONS IN BOXES)



GABLE ROOF



FLAT ROOF

TACBOC
STANDARD DETAIL

TITLE
DETACHED GARAGE
SLOPING OR FLAT ROOF PLAN & SECTIONS

DWG. NO.
G02a
2007

ROOF RAFTERS (FLAT ROOF - WHERE NO CEILING IS INSTALLED)

RAFTER SIZE	MAXIMUM CLEAR SPAN (M)					
	ROOF SNOW LOAD 1.0kPa			ROOF SNOW LOAD 1.5kPa		
	RAFTER SPACING (mm) O.C.			RAFTER SPACING (mm) O.C.		
	300	400	600	300	400	600
38x89	3.11	2.83	2.47	2.72	2.47	2.16
38x140	4.90	4.45	3.89	4.28	3.89	3.40
38x184	6.44	5.85	5.11	5.62	5.11	4.41
38x235	8.22	7.47	6.38	7.18	6.52	5.39

ROOF JOISTS (FLAT ROOF - WHERE CEILING IS INSTALLED)

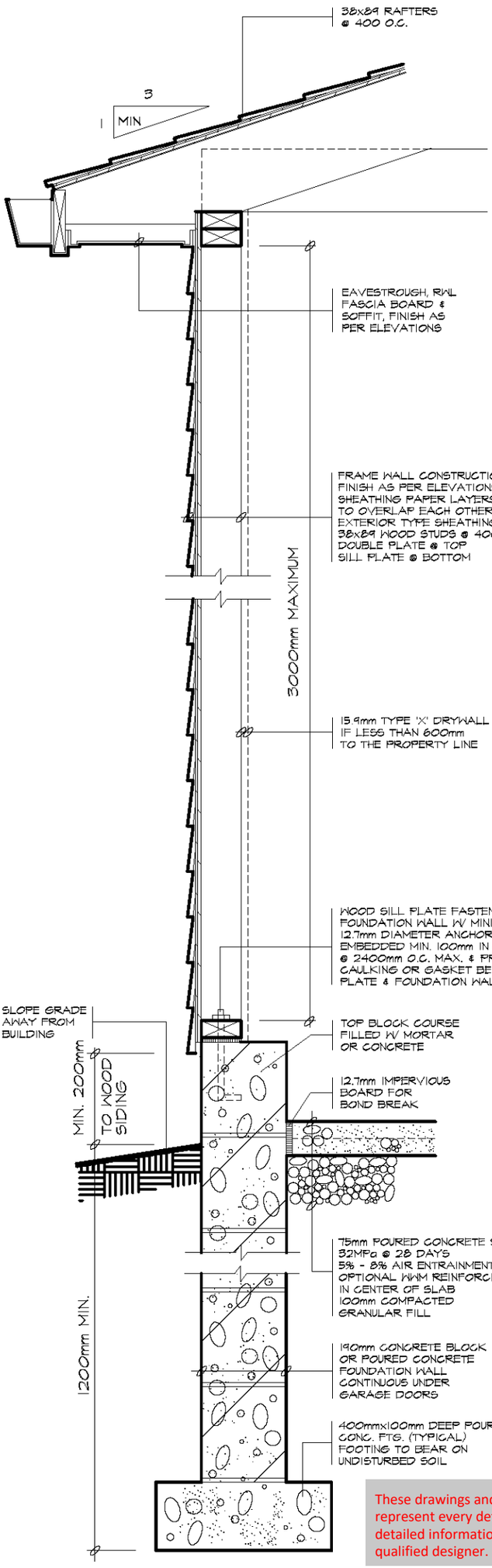
JOIST SIZE	MAXIMUM CLEAR SPAN (M)					
	ROOF SNOW LOAD 1.0kPa			ROOF SNOW LOAD 1.5kPa		
	JOIST SPACING (mm) O.C.			JOIST SPACING (mm) O.C.		
	300	400	600	300	400	600
38x140	3.89	3.53	3.08	3.40	3.08	2.69
38x184	5.11	4.64	4.05	4.46	4.05	3.54
38x235	6.52	5.93	5.18	5.70	5.18	4.52
38x286	7.94	7.21	6.30	6.94	6.30	5.50

LINTELS

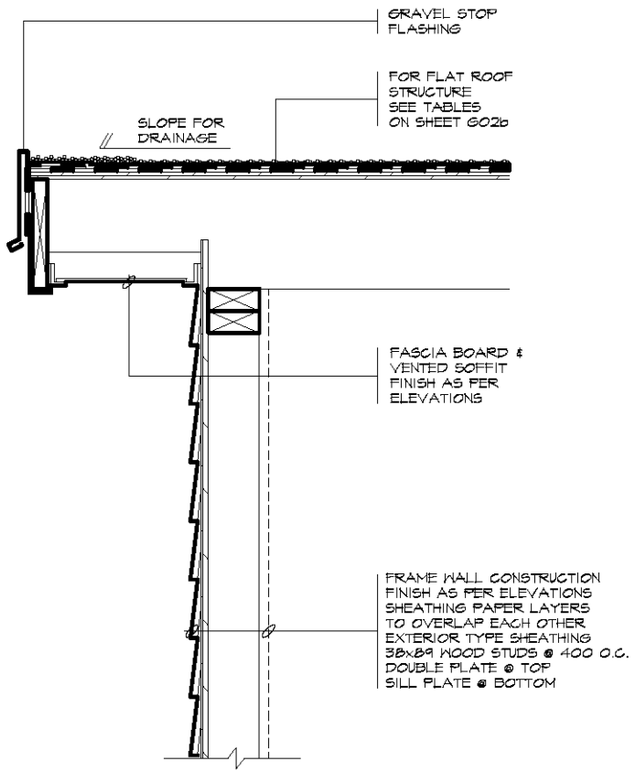
DOOR WIDTH	LINTELS FOR WOOD FRAMING		LINTELS FOR BRICK VENEER 90mm		LINTELS FOR SOLID MASONRY 200mm	
	NOT SUPPORTING THE ROOF	SUPPORTING THE ROOF	NOT SUPPORTING THE ROOF	SUPPORTING THE ROOF	NOT SUPPORTING THE ROOF	SUPPORTING THE ROOF
UP TO 3000mm	2/38x184	2/38x286	2/38x184 + ANGLE 125x90x8	2/38x286 + ANGLE 125x90x8	2 ANGLES 150x100x10	W150x22 + PLATE 200x10
UP TO 4900mm	2/38x286	4/38X286 OR 2- 45x300 1.9E LVL	W200x27 + PLATE 200x10	W200x27 + PLATE 200x10	MUST BE DESIGNED	MUST BE DESIGNED

GENERAL NOTES

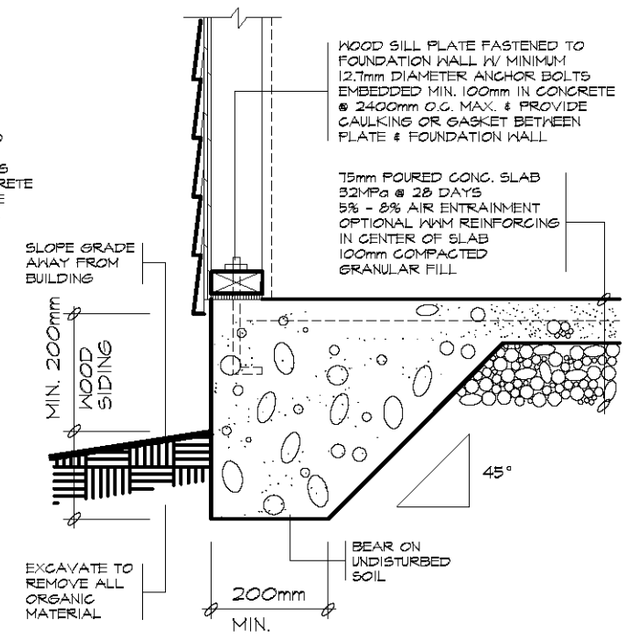
1. ALL LUMBER TO BE NO. 1&2 SPRUCE OR BETTER
2. ALL PLYWOOD SHALL BE STAMPED EXTERIOR GRADE
3. ROOF LOAD DESIGN 1.0 kPa OR 1.5 kPa
4. ALL FOOTINGS TO BEAR ON UNDISTURBED SOIL.
5. IF GARAGE WALL IS LESS THAN 600mm TO THE PROPERTY LINE PROVIDE 15.9mm TYPE 'X' DRYWALL INTERIOR SHEATHING. NO WINDOWS ARE PERMITTED IN GARAGE WALLS LESS THAN 1200mm FROM PROPERTY LINE.
6. FOR ONE STOREY WOOD FRAME DETACHED GARAGES LESS THAN 55M2. AN ALTERNATE FOOTING MAY BE USED, SEE DETAIL SHEET G02c
7. GARAGE SLAB SHALL BE 32 Mpa CONCRETE W/ 5% - 8% AIR ENTRAINMENT SLOPED TO DRAIN TO THE OUTSIDE.
8. ROOF SHEATHING SHALL BE MIN. 9.5mm PLYWOOD PROVIDE 'H' CLIPS IF RAFTERS OR JOISTS ARE SPACED GREATER THAN 400mm O.C.
9. PROVIDE A LIGHT FIXTURE IN THE GARAGE.
10. STEEL BEAMS TO BE SUPPORTED BY SOLID MASONRY (190mm BEARING ON MASONRY OR 73mm DIA. STEEL COLUMN).
11. LINTELS AND BEAMS TO BE DESIGNED BY A QUALIFIED PERSON FOR SPANS GREATER THAN 4900mm



1 WALL SECTION



2 FLAT ROOF



3 ALTERNATE FOR FRAME GARAGE

MAXIMUM 55M2, ONE STOREY WOOD FRAME ONLY

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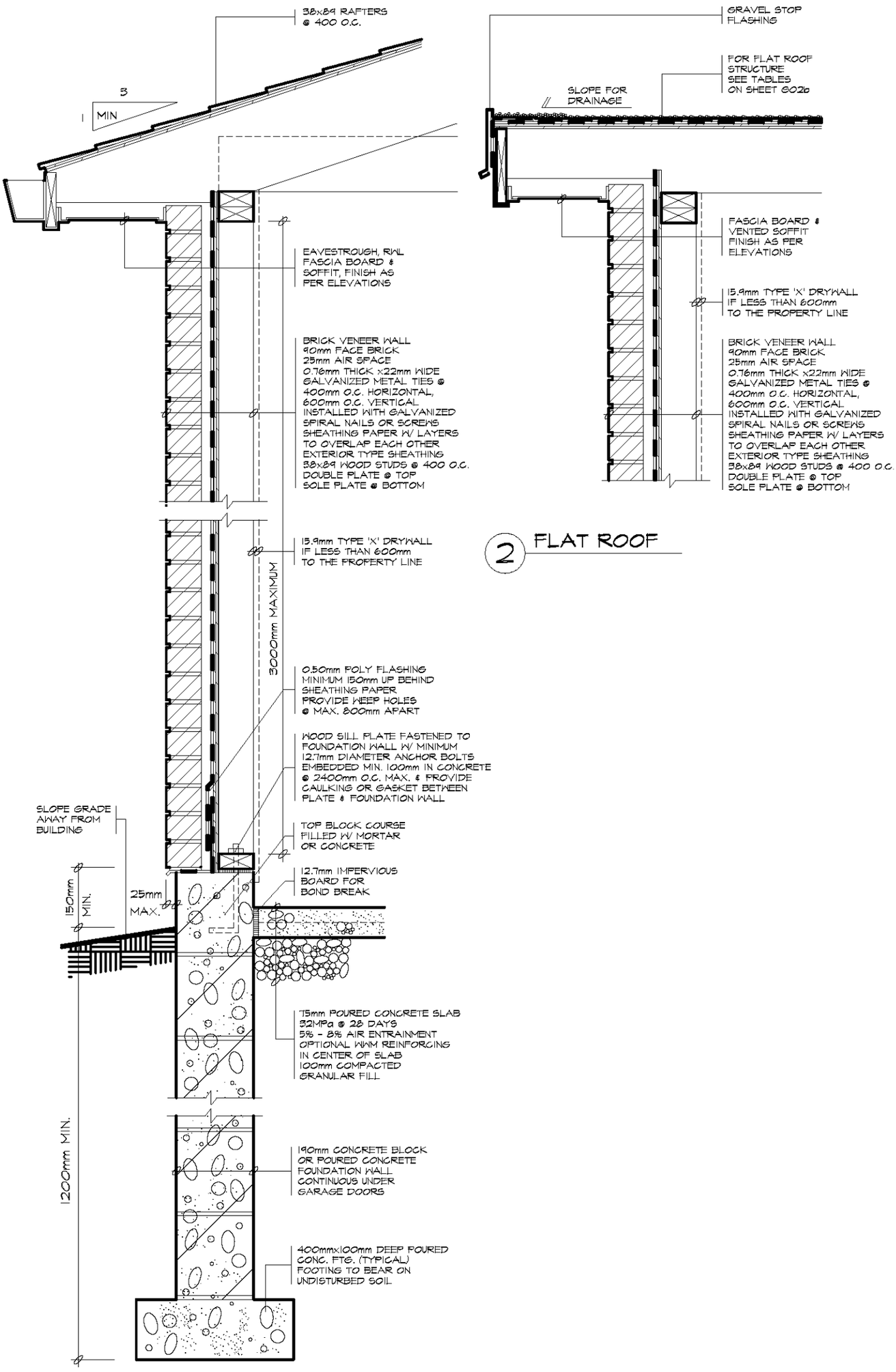
TACBOC
STANDARD DETAIL

TITLE
DETACHED GARAGE
FRAME DETAILS

DWG. NO.
G02c
2007



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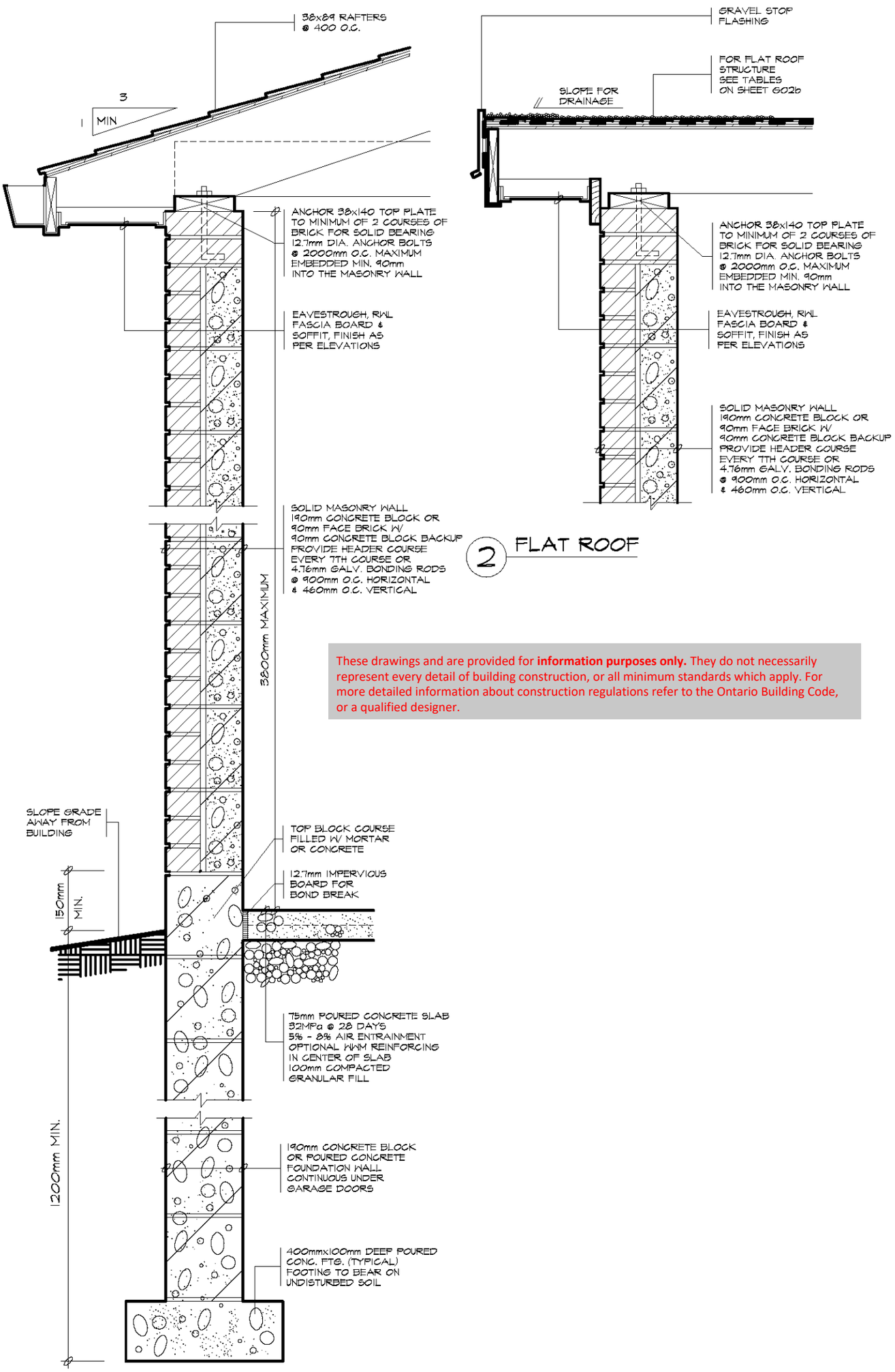
TACBOC
STANDARD DETAIL

TITLE
DETACHED GARAGE
BRICK VENEER DETAILS

DWG. NO.
G02d
2007



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TACBOC
STANDARD DETAIL

TITLE
DETACHED GARAGE
SOLID MASONRY DETAILS

DWG. NO.
G02e
2007