

# The McArthur IV

Stock Plan #: E1698-10

### **GENERAL NOTES**

- IT IS THE RESPONSIBILITY OF THE CLIENT AND/OR THEIR BUILDER AGENT TO CHECK ALL LOCAL BYLAW AND CODE REQUIREMENTS, SITE AND SOIL CONDITIONS AND ENSURE THEY ARE MET.

 ALL LOCAL BYLAW AND CODE REQUIREMENTS MUST BE MET, AND ANY SPECIFICATIONS NOTED IN THESE DRAWINGS MUST BE ALTERED BY THE CLIENT AND/OR HIS AGENT BUILDER TO MEET THOSE CODES IF AND WHEN NECESSARY.

IF SOIL CONDITIONS WARRANT, CONCRETE FOUNDATION AND FOOTING SIZING AND SPECIFICATIONS MUST BE CALCULATED BY A LOCAL ENGINEER OR ENGINEERS REGISTERED IN THAT DISCIPLINE.

CONCRETE FOOTING DEPTHS AND SIZES MUST MEET LOCAL CLIMATE, CODE AND LOCAL BYLAW REOUIREMENTS.

· CONCRETE TYPE MUST MEET SOIL CONDITIONS AND ALL LOCAL BYLAW AND CODE REQUIREMENTS PERTAINING TO FOUNDATION MATERIALS MUST BE MET.

PROFESSIONALS AND ENGINEERS REQUIRED TO COMPLETE THESE TASKS MAY OR MAY NOT INCLUDE: - STRUCTURAL ENGINEER FOR FOUNDATION DESIGN AND SPECIFICATIONS,

- GEOTECHNICAL ENGINEER FOR SOIL TESTING AND SPECIFICATIONS. - LOCAL ARCHITECT REGISTERED TO DO RESIDENTIAL CALCULATIONS.

EVERY EFFORT HAS BEEN MADE TO ENSURE THAT THESE CONSTRUCTION DRAWINGS ARE FREE OF

ERRORS. IT IS THE RESPOSIBILITY OF THE CONTRACTOR OR THE CONTRACTORS AGENTS TO CHECK AND VERIFY ALL DIMENSIONS AND MATERIALS SIZES AND DEFINITIONS LISTED ON THESE DRAWINGS. THE BUILDING CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING AND APPLYING PROPER BUILDING PRACTICES.

THE DESIGNER SHALL NOT BE HELD LIABLE FOR ANY ERRORS, OMISSIONS, OR DEFICIENCIES IN ANY FORM BY ANY PARTY WHATSOEVER.

THERE ARE NO PRODUCT ENDORSEMENTS IMPLIED FOR ANY OF THE MATERIALS LISTED ON THESE DRAWINGS.

PROPER INSTALLATION OF CONSTRUCTION ASSEMBLIES INCLUDING NAILING, GLUING, CAULKING, INSULATING, FLASHING, ROOFING, WEATHERPROOFING AND MANY OTHER SMALL ITEMS AND DETAILS ARE NOT NECESSARILY IDENTIFIED OR NOTED ON THE PLANS. THE DESIGNER HAS NO CONTROL OR RESPONSIBILITY OVER THESE ITEMS.

### **GENERAL SITE NOTES:**

ALL PERSONS ON SITE MUST WEAR HARD HATS AND PROPER FOOTWEAR. BUILDER MUST TAKE CARE THAT ALL WALLS IN CONSTRUCTION ARE BRACED PROPERLY.

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BUILDER MUST TAKE CARE TO PLACE TEMPORARY RAILINGS AROUND OPENINGS IN FLOORS AND CEILINGS.

BUILDER MUST TAKE CARE THAT SITE IS PROPERLY BLOCKED OFF AND MARKED "CONSTRUCTION SITE"

### **CONCRETE NOTES:**

UNLESS OTHERWISE NOTED, THE COMPRESSIVE STRENGTH FOR UNREINFORCED CONCRETE AFTER 28 DAYS SHALL NOT BE LESS THAN 32 MPa FOR GARAGE AND CARPORT FLOOR & ALL EXTERIOR FLATWORK, 20MPa WHERE REQUIRED BY TABLE 9.15.4.1 FOR FOUNDATON WALLS & 15MPa FOR ALL OTHER APPLICATIONS.

### **FOOTING NOTES:**

20MPa CONC. STRIP FOOTINGS SHALL BE PLACED ON UNDISTURBED SOIL CAPABLE OF BEARING 3000 PSF LOAD.

BOTTOM OF FOOTINGS TO BE AT OR BELOW FROST LINE DESIGNATED BY LOCAL BYLAWS OR CODE.

STEPPED FOOTINGS TO BE PROVIDED (WHERE REQURIED BY GRADE) TO BE STEPPED MAX. 24" RISE AND MIN. 24" HORIZONTAL, UNLESS OTHERWISE SPECIFIED.

4" PERFORATED PLASTIC FOUNDATION DRAIN PIPE (TIED INTO SUMP WHERE REQ'D) - COVERED WITH 6" CLEAR STONE & FILTER CLOTH, IN LINE WITH BTM IF FTGS. AT PERIMETER OF BLDG.

MIN. 1/4" PARGING (EXTERIOR) TO 12" BELOW GRADE.

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# **GENERAL CONSTRUCTION NOTES**

### **BEAM AND STRUCTURAL DESIGN NOTES:**

NOTE ON BEAMS DESIGNATES FLUSH, MEANING EITHER THE TOP OR BOTTOM OF THE BEAM TO NOT PROTRUDE PAST FINISHED PLANE.

NOTE ON BEAMS INDICATES A DROPPED, MEANING THE BEAM IS PLACED UNDER THE SUPPORTED STRUCTURE.

(SEMI-F) NOTE ON BEAMS INDICATES A PARTIALLY DROPPED BEAM TO ALLOW FOR IMPACTED OPENINGS, OR TO ALLOW HEATING DUCTS TO PASS OVER. SEE DETAIL.

### **STRUCTURAL POST NOTES:**

"LOAD BEARING POST" AT BEAM ENDS OR OTHER LOAD BEARING POINTS. REQUIRES STUDS TO BE NAILED TOGETHER TO FORM A STRUCTURAL POST (4X4,6X6,4X6).

### **LUMBER NOTES:**

ALL LUMBER TO BE GRADE STAMPED, LABELLED OR OTHERWISE IDENTIFIED, AS REQUIRED BY LOCAL BUILDING CODE

### **WINDOW & DOOR NOTES:**

ALL WINDOW & DOOR MEASUREMENTS ARE IN FEET & INCHES. (5040 INDICATES 5'-0" x 4'-0") CHECK ALL TOP OF WINDOW ROUGH OPENING HEIGHTS PRIOR TO FRAMING. ACTUAL DIMENSIONS OF ROUGH OPENINGS VARY DEPENDING ON MANUFACTURER. ALL WINDOW SIZES, TYPES, AND OPENERS TO BE CHECKED BY CONTRACTOR PRIOR TO ORDERING TAKE CARE TO CHECK LOCAL BUILDING CODE FOR GLASS REGULATIONS SUCH AS TEMPERED GLASS, EGRESS LOCATIONS AND LIMITATIONS ON THE SIZE OF UNPROTECTED OPENINGS NEXT TO NEIGHBORING BUILDINGS PRIOR TO ORDERING. ALL WINDOWS TO MEET ENERGY RATING OF 17ER FOR OPERATING WINDOWS & 27ER FOR FIXED WINDOWS PER CAN/CSA-A440-2.

EXTERIOR DOORS TO BE METAL INSULATED OR SOLID CORE WOOD DOORS, W/ WEATHERSTRIPPING.

NOTES ON DESIGN ELEMENTS EXCEEDING CODE REQUIREMENTS:

\*\* - MATERIALS OR ASSEMBLY CONSTRUCTION MATERIALS SHOWN, AND/OR NOTED \*\* MAY OR MAY NOT BE REQUIRED BY LOCAL CODE, BUT ARE CONSIDERED GOOD BUILDING PRACTICE. BUILDING CONTRACTOR IS RESPONSIBLE TO CONSULT BOTH THE LOCAL CODE REQUIREMENTS, AND THE HOME OWNER REGARDING PLACEMENT OF THESE MATERIALS OR ASSEMBLIES.

### **ENGINEERED WOOD PRODUCTS NOTES:**

ENGINEERED WOOD SUPPLIER/TRUSS MFR. TO PROVIDE ENGINEERED DRAWINGS, SEALED BY A P.ENG. LICENSED TO PRACTICE IN THIS HOMEPLAN'S BUILDING LOCATION, FOR THE BUILDING INSPECTOR TO REVIEW ON SITE.

### **FLOOR JOIST SYSTEM NOTES:**

ENGINEERED JOISTS (TJI) FLOOR SYSTEMS ARE ASSUMED ON THESE DRAWINGS. JOIST SPANS AND JOIST DEPTHS MAY VARY DEPENDING ON THE MANUFACTURER. IF DIMENSIONAL LUMBER JOISTS ARE USED, CALCULATIONS MUST MEET LOCAL CODES FOR LOAD BEARING, SIZE AND SPACING.

CONTRACTOR MUST TAKE CARE THAT ALL BLOCKING, STRAPPING AND BRACING IS COMPLETED PER MANUFACTURERS SPECIFICATIONS AND DRAWINGS.

### **ROOF DESIGN & CONSTRUCTION NOTES:**

NOTES TO ROOF MANUFACTURERS

PLACED FOR PROPER RUNOFF.

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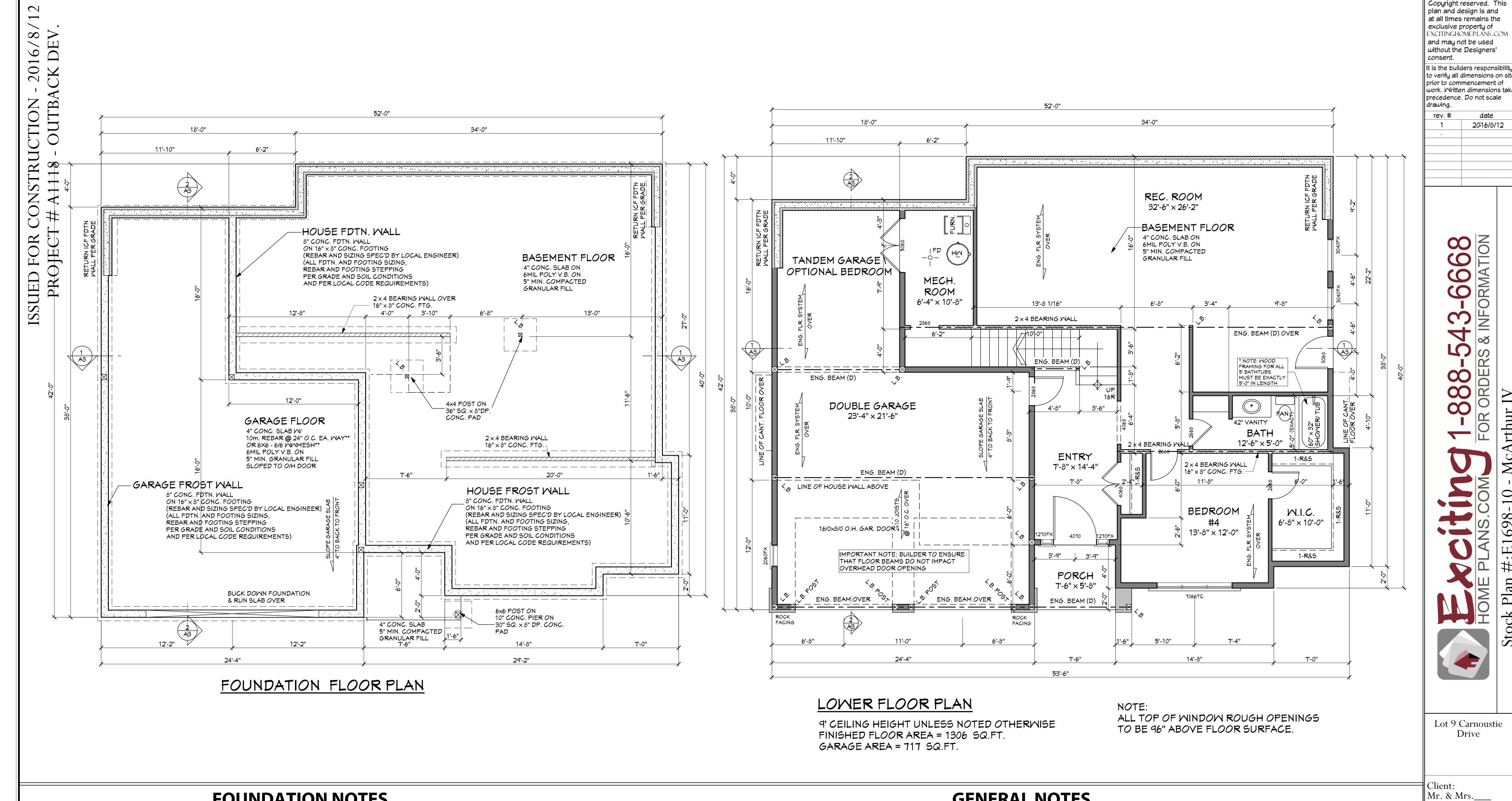
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DRAWING TITLE:

2016/8/12 JOB# 1/4" = 1'-0'

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### **FOUNDATION NOTES**

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LOWER FLOOR PLAN PAGE:

FOUNDATION /

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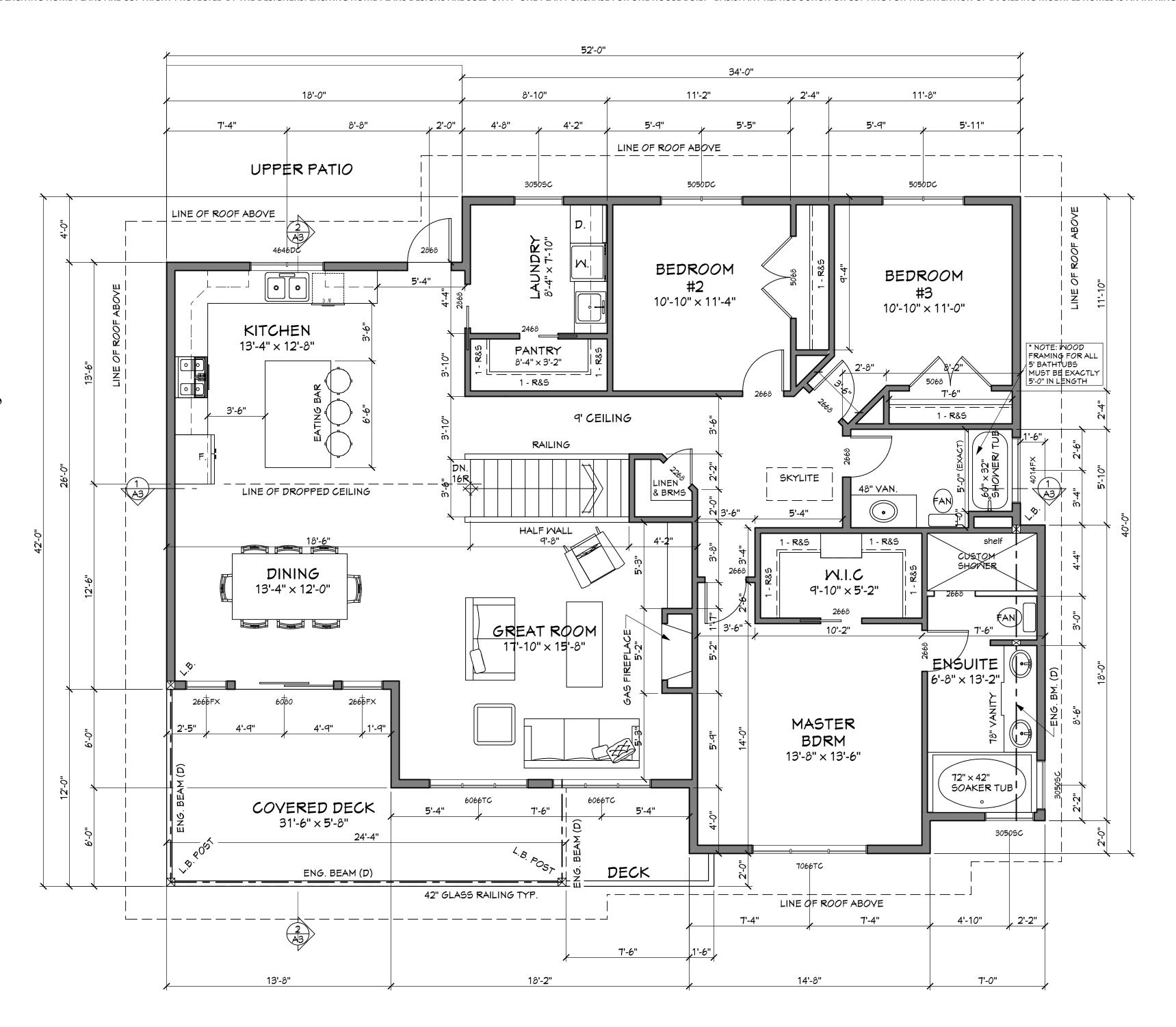
DATE 2016/8/12 JOB# 1/4" = 1'-0' DRAWN BY GES CHECKED GES

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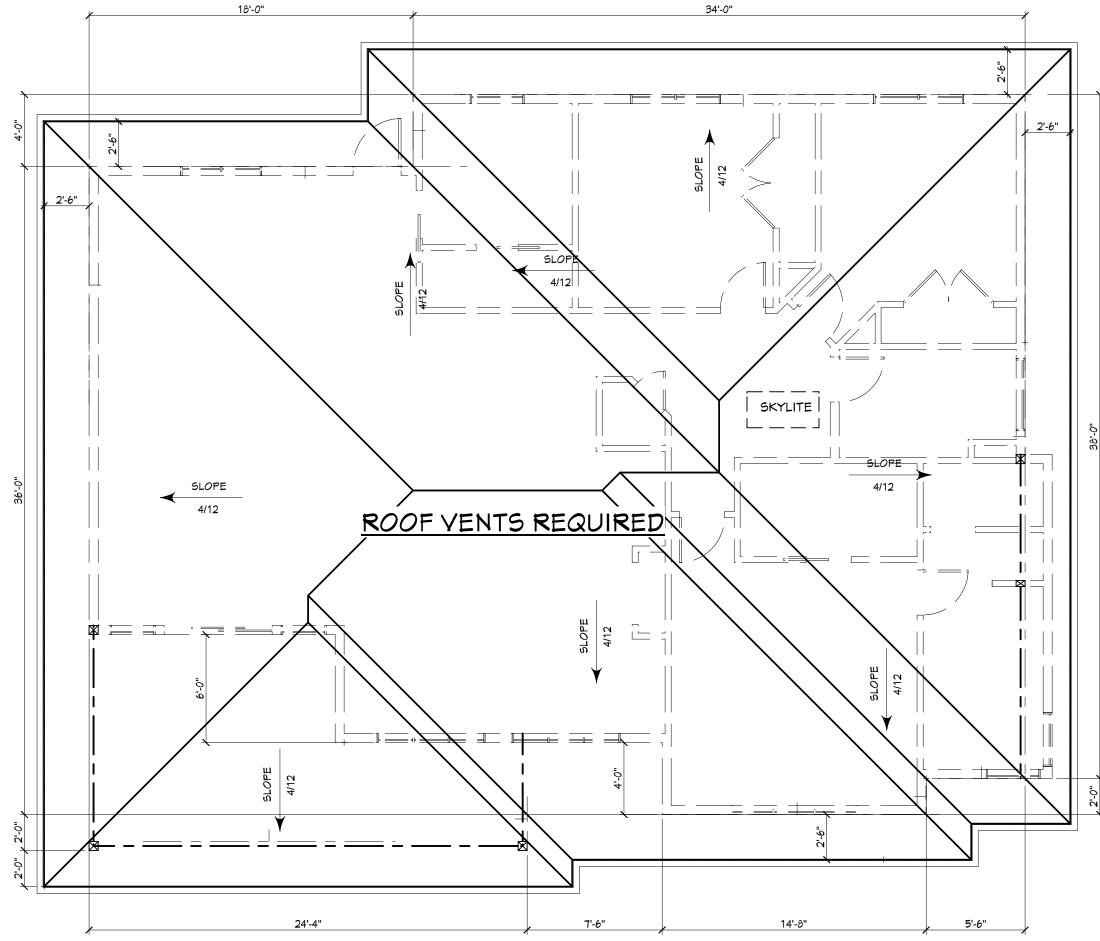
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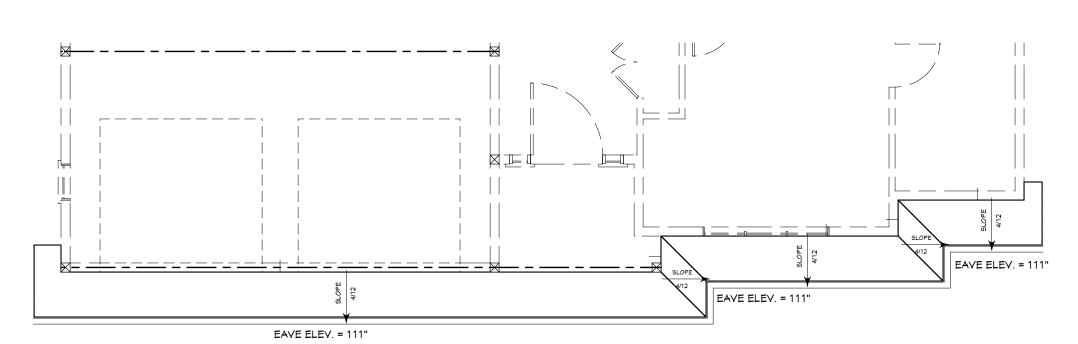
## MAIN FLOOR PLAN

9' CEILING HEIGHT UNLESS NOTED OTHERWISE FINISHED FLOOR AREA = 1815 SQ.FT.



# MAIN FLOOR ROOF PLAN

SCALE - 3/16" = 1'-0"



# LOWER FLOOR ROOF PLAN

SCALE - 3/16" = 1'-0"

# Drive

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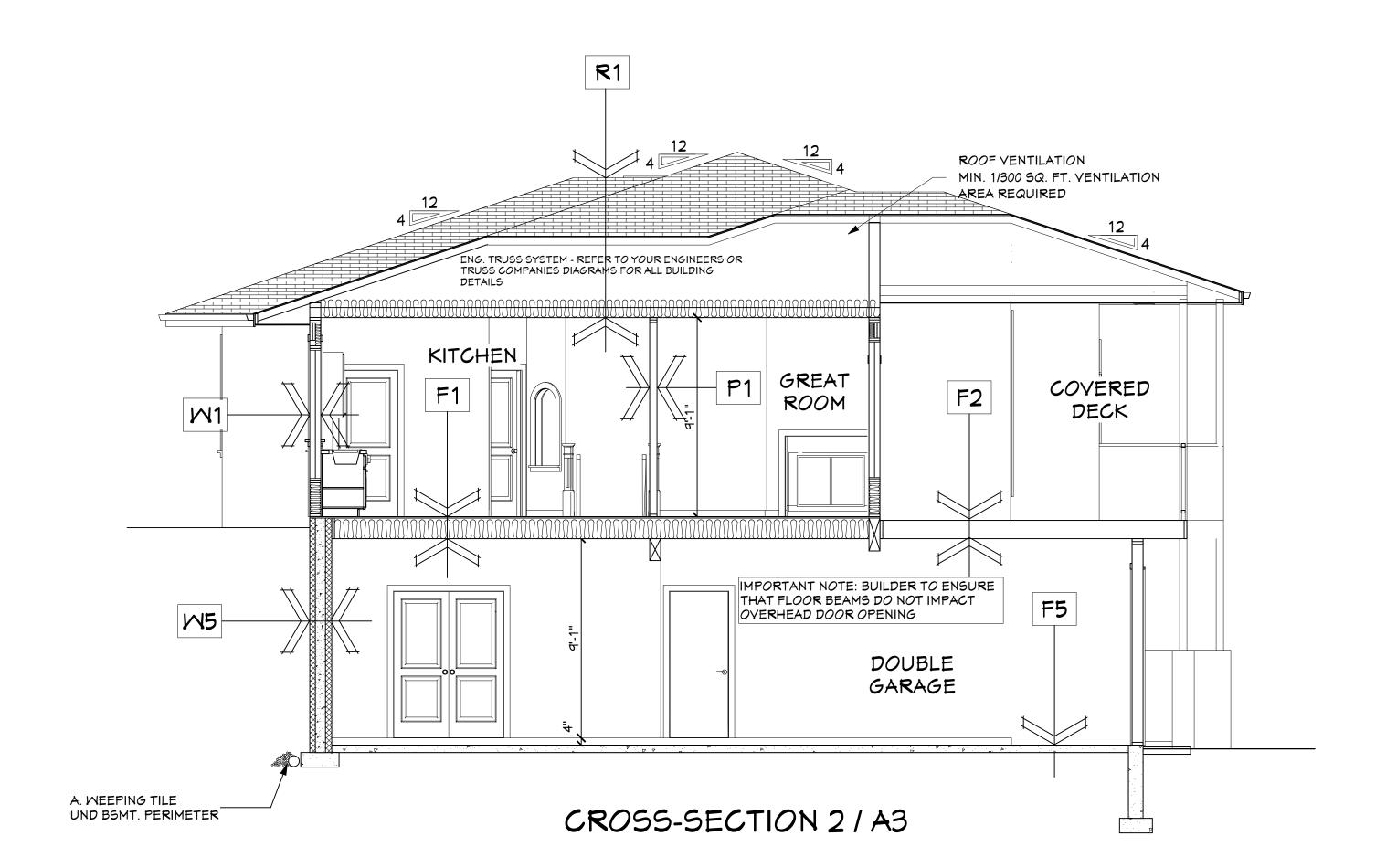
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MAIN FLOOR & ROOF PLAN

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2016/8/12 JOB# 1/4" = 1'-0' DRAWN BY GES CHECKED GES

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#### **CONSTRUCTION ASSEMBLIES:**

**IMPORTANT BUILDING INSULATION AND AIRTIGHTNESS NOTES:** THE BUILDING CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION ASSEMBLIES MEETING THE LOCAL CODE RELATING TO INSULATION STANDARDS. SEE SHEET D-1 FOR CANADIAN BLDG. CODE INSULATION

SPECIFICATION OPTIONS FOR EXTERIOR WALL, FLOOR, ROOF AND FOUNDATION CONSTRUCTION ASSEMBLY DETAILS WHICH SUPERSEDE THE NOMINAL INSULATION VALUES AND ASSEMBLIES NOTED ON THIS PAGE.

#### **EXTERIOR WALL CONSTRUCTION**

W1 EXTERIOR HOUSE WALLS - SEE BUILDING ASSEMBLIES - SHEET D-1 FOR: - VARIOUS EXTERIOR FINISH ASSEMBLY DETAILS - INSULATION VALUES OF EACH ASSEMBLY MEETING 2012 BRITISH COLUMBIA BUILDING CODE

W2 EXTERIOR GARAGE WALLS - HARDIE PLANK SIDING/BLDG. PAPER - 3/8" O.S.B. SHEATHING - 2x4 or 2x6 STUDS @ 16" O.C. - 1/2" GYPSUM BOARD (PAINTED) (INSULATION OPTIONAL OR AS REQUIRED BY CODE)

W3 HOUSE/GARAGE EXTERIOR WALLS - SEE BUILDING ASSEMBLIES - SHEET D-1 FOR: - VARIOUS EXTERIOR FINISH ASSEMBLY DETAILS

INSULATION VALUES OF EACH ASSEMBLY

RSI & R VALUES

RSI & R VALUES

MEETING 2012 BRITISH COLUMBIA BUILDING CODE RSI & R VALUES

| W4 | FOUNDATION WALLS - UNFINISHED AREAS - SEE BUILDING ASSEMBLIES - SHEET D-1 FOR: - VARIOUS EXTERIOR FINISH ASSEMBLY DETAILS - INSULATION VALUES OF EACH ASSEMBLY MEETING 2012 BRITISH COLUMBIA BUILDING CODE

W5 FOUNDATION WALLS - FINISHED AREAS - SEE BUILDING ASSEMBLIES - SHEET D-1 FOR: - VARIOUS EXTERIOR FINISH ASSEMBLY DETAILS - INSULATION VALUES OF EACH ASSEMBLY MEETING 2012 BRITISH COLUMBIA BUILDING CODE RSI & R VALUES

W6 FOUNDATION WALLS - FROST WALLS - SEE BUILDING ASSEMBLIES - SHEET D-1 FOR: - VARIOUS EXTERIOR FINISH ASSEMBLY DETAILS - INSULATION VALUES OF EACH ASSEMBLY MEETING 2012 BRITISH COLUMBIA BUILDING CODE RSI & R VALUES

W7 FOUNDATION WALLS - GARAGE FROST WALLS - 8" CONCRETE FOUNDATION WALL ON 16"x 8" CONC. STRIP FOOTING (FOOTING DEPTH PER LOCAL FROST PENETRATION AND CODE REQUIREMENTS)

#### INTERIOR PARTITION CONSTRUCTION

P1 | INTERIOR WALLS - (TYP.) - 1/2" GYPSUM BOARD (PAINTED) - 2x4 or 2x6 STUDS @ 16" O.C. - 1/2" GYPSUM BOARD (PAINTED) P2 INTERIOR WALLS - INSULATED - 1/2" GYPSUM BOARD (PAINTED) - 2x4 or 2x6 STUDS @ 16" O.C. - R-12 SOUND INSULATION - 1/2" GYPSUM BOARD (PAINTED)

#### **FLOOR CONSTRUCTION**

F1 JOISTED HOUSE FLOOR - FINISHED FLOOR - 3/4" T&G O.S.B. GLUED NAILED & SCREWED - ENG. JOIST SYSTEM ( MATERIAL AND INSTALLATION PER MANUFACTURER) - 1/2" CEILING BOARD - PAINTED FINISH

F2 JOISTED DECK AND PORCH FLOORS FINISHED FLOOR - 3/4" T&G O.S.B. GLUED NAILED & SCREWED - ENG. JOIST SYSTEM ( MATERIAL AND INSTALLATION PER MANUFACTURER) - 1x4 SOFFIT STRAPPING IF NECESSARY - VENTED ALUMINUM SOFFIT

F3 JOISTED HOUSE FLOOR TO EXTERIOR AREA - SEE BUILDING ASSEMBLIES - SHEET D-1 FOR: - BUILDING ASSEMBLY DETAILS INSULATION VALUES OF EACH ASSEMBLY MEETING 2012 BRITISH COLUMBIA BUILDING CODE RSI & R VALUES

F4 | CONCRETE FLOORS - BASEMENT - SEE BUILDING ASSEMBLIES - SHEET D-1 FOR: - BUILDING ASSEMBLY DETAILS - INSULATION VALUES OF EACH ASSEMBLY MEETING 2012 BRITISH COLUMBIA BUILDING CODE RSI & R VALUES

F5 | CONCRETE FLOORS - GARAGE - 4" CONCRETE SLAB (SLOPED TO DRAIN) - 10 mm REBAR @ 24" GRID - 6 MIL. VAPOUR BARRIER - 5" COMPACTED GRANULAR FILL

F6 | CONCRETE FLOORS - PATIOS - 4" CONCRETE SLAB (SLOPED TO DRAIN) - 10 mm REBAR @ 24" GRID - 6 MIL. VAPOUR BARRIER - 5" COMPACTED GRANULAR FILL

F7 JOISTED DECK FLOOR TO GARAGE BELOW - FINISHED FLOOR - 3/4" T&G O.S.B. GLUED NAILED & SCREWED - ENG. JOIST SYSTEM ( MATERIAL AND INSTALLATION PER MANUFACTURER) - INSULATION OPTIONAL - 5/8" TYPE "X" FIREGUARD CEILING BOARD - PAINTED FINISH

F8 HOUSE FLOOR TO GARAGE BELOW - BUILDING ASSEMBLY DETAILS - INSULATION VALUES OF EACH ASSEMBLY

F9 JOISTED DECK FLOOR TO HEATED AREA BELOW - SEE BUILDING ASSEMBLIES - SHEET D-1 FOR: - BUILDING ASSEMBLY DETAILS INSULATION VALUES OF EACH ASSEMBLY MEETING 2012 BRITISH COLUMBIA BUILDING CODE

- SEE BUILDING ASSEMBLIES - SHEET D-1 FOR: MEETING 2012 BRITISH COLUMBIA BUILDING CODE **RSI & R VALUES** 

### ROOF AND CEILING CONSTRUCTION

RSI & R VALUES

R1 HOUSE ROOF AND CEILING - SEE BUILDING ASSEMBLIES - SHEET D-1 FOR: - BUILDING ASSEMBLY DETAILS INSULATION VALUES OF EACH ASSEMBLY MEETING 2012 BRITISH COLUMBIA BUILDING CODE RSI & R VALUES

R2 GARAGE ROOF & CEILING - LAMINATED ASPHALT SHINGLES - ROOFING FELT - 7/16" ROOF SHEATHING (c/w "H" CLIPS) -ENG. ROOF TRUSSES - MATERIALS AND ASSEMBLY PER MANUFACTURER 1/2" CEILING BOARD (TYPE "X" FIREGUARD WHERE REQUIRED BY CODE)

- LAMINATED ASPHALT SHINGLES - ROOFING FELT

| S1 | - PREFINISHED VENTED ALUMINUM SOFFIT

Drive

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Mr. & Mrs.\_\_\_\_

Client:

DRAWING TITLE: CR055-SECTIONS & DETAILS

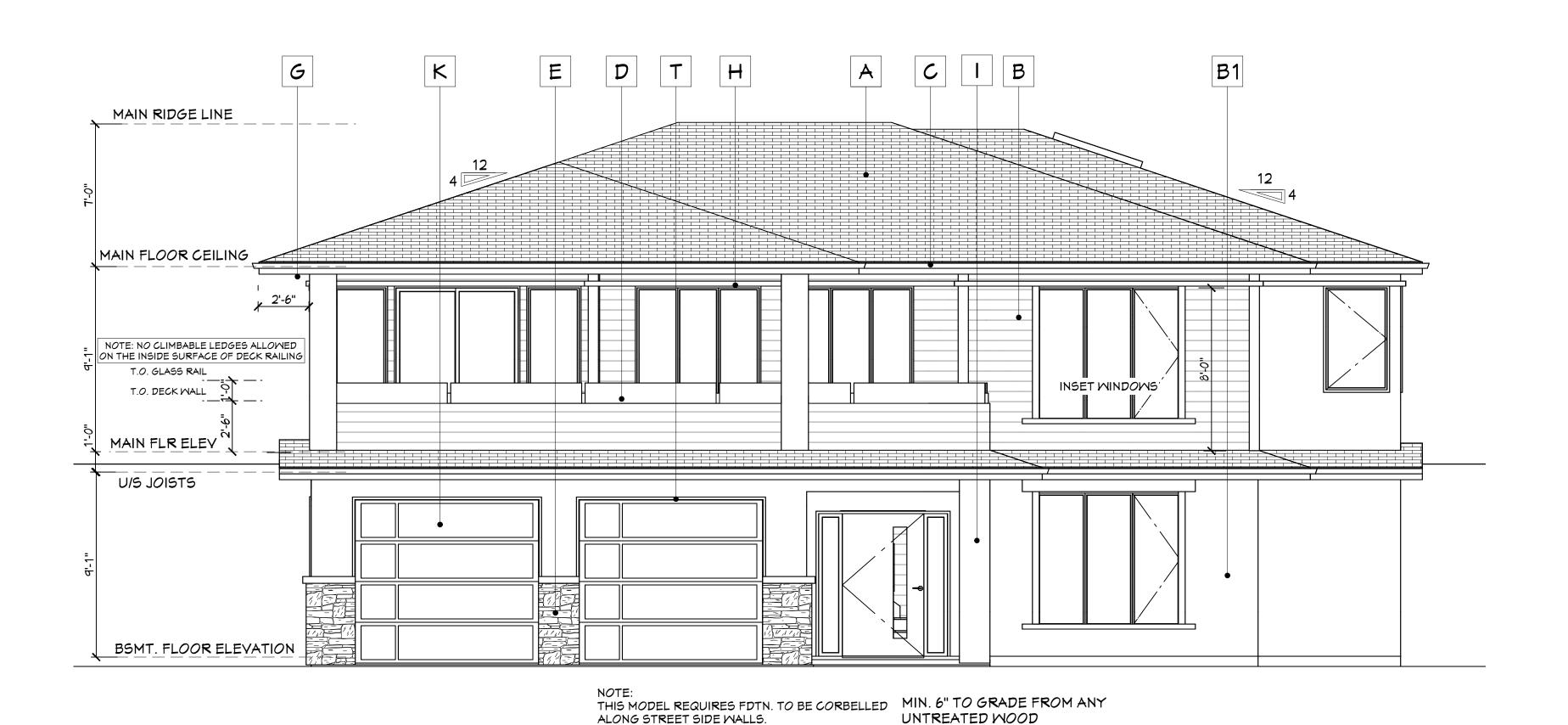
2016/8/12 JOB# 1/4" = 1'-0' Stock Plan #:E1698-10 - McArthur IV CHECKED GES

R3 DECK AND PORCH ROOF & CEILING

- 7/16" ROOF SHEATHING (c/w "H" CLIPS) - ENG. ROOF TRUSSES - MATERIALS AND ASSEMBLY PER MANUFACTURER - 1x4 SOFFIT STRAPPING IF NECESSARY - VENTED ALUMINUM SOFFIT

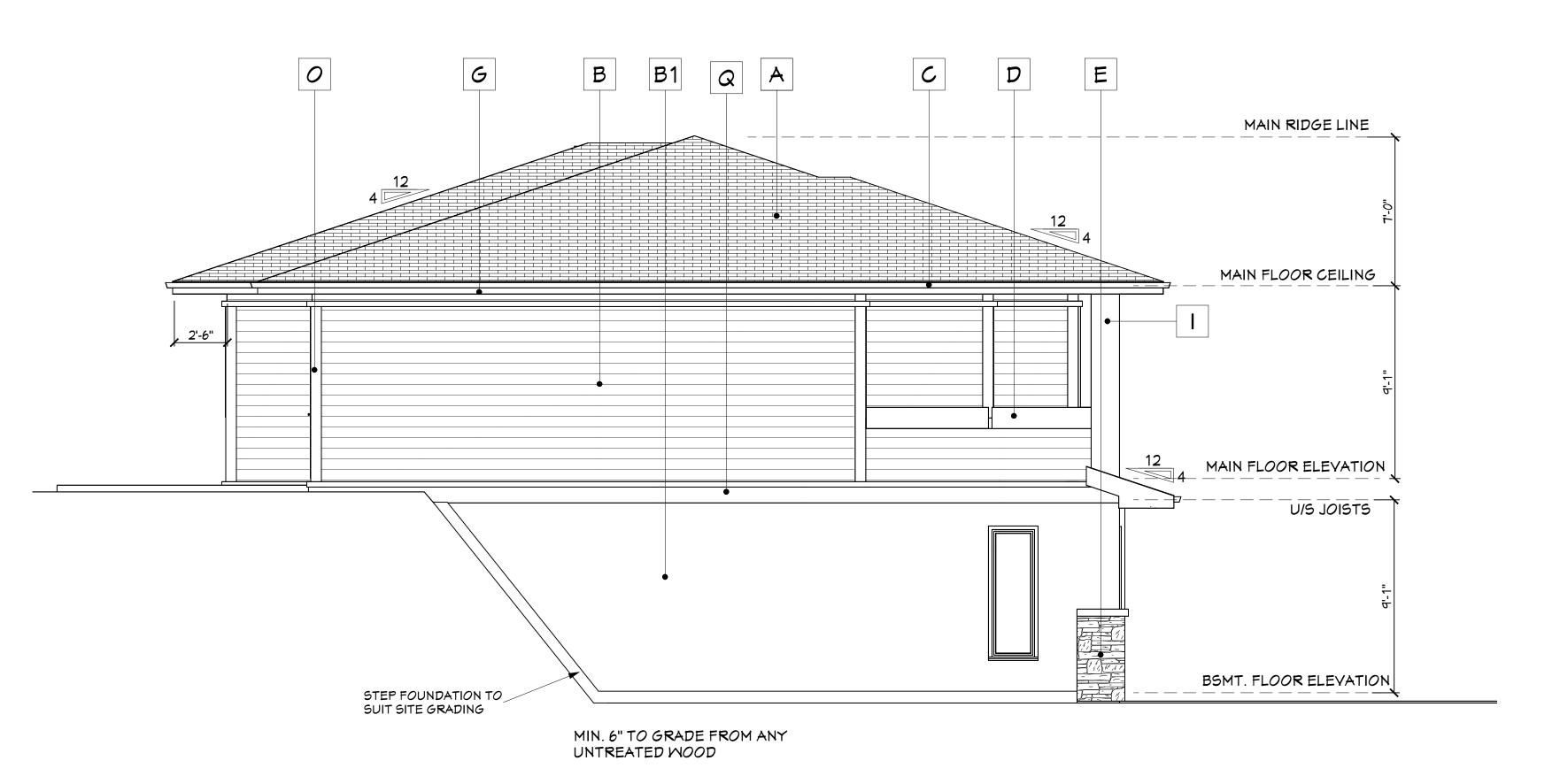
**SOFFIT SPECIFICATIONS** 

PAGE:



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## FRONT ELEVATION



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LEFT ELEVATION

#### MATERIALS LEGEND:

- A Roof Laminated Asphalt Shingles
- B Exterior Walls Hardiplank Siding
- B1 Stucco Finish
- Prefin. Alum. Gutter & Downspouts
- 42" HighPrefin. Alum. & Glass Deck Railing (as per local code req.)
- E Stone Veneer
- F Hardi-Shake Gable End Finish
- G Prefin. Alum. Soffit
- H Front Elevation Window & Door Trim 6" Horiz. Smartboard Trim 3" Wrap at Sides 4" Vert. Smartboard Trim
- Front Elevatrion Columns Decorative Wood Capitals on 18" Sq. Framed out Column w/ Mood Base Surround on Masonry Veneer Base w/ Prefinished Sill
- J Decorative Brackets
- K Garage Door
- L 10" Smartboard Horiz. Gable Band
- M Gable End Timber Frame
- N 4" on 10" Smartboard Gable Fascia
- 6" Smartboard Wall Corner Boards
- P Front Elevation Picket Railing
- $\bigcirc$  2" × 10" Smartboard Belly Band
- R 4" Smartboard Window & Door Trims
- 5 Architectural Toothing
- T Garage Door Trim 6" Horiz. Smartboard 4" Vert. Smartboard
- U Prefin. Alum. Faced Exterior Items
- Y Rear Columns Specification Decorative Wood Capitals on 18" Sq. Framed out Columns w/ Wood Base Surround

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drawing. rev. # date 20:16/8/12

precedence. Do not scale

 $\infty$ 

Lot 9 Carnoustie Drive

Client: Mr. & Mrs.\_\_\_

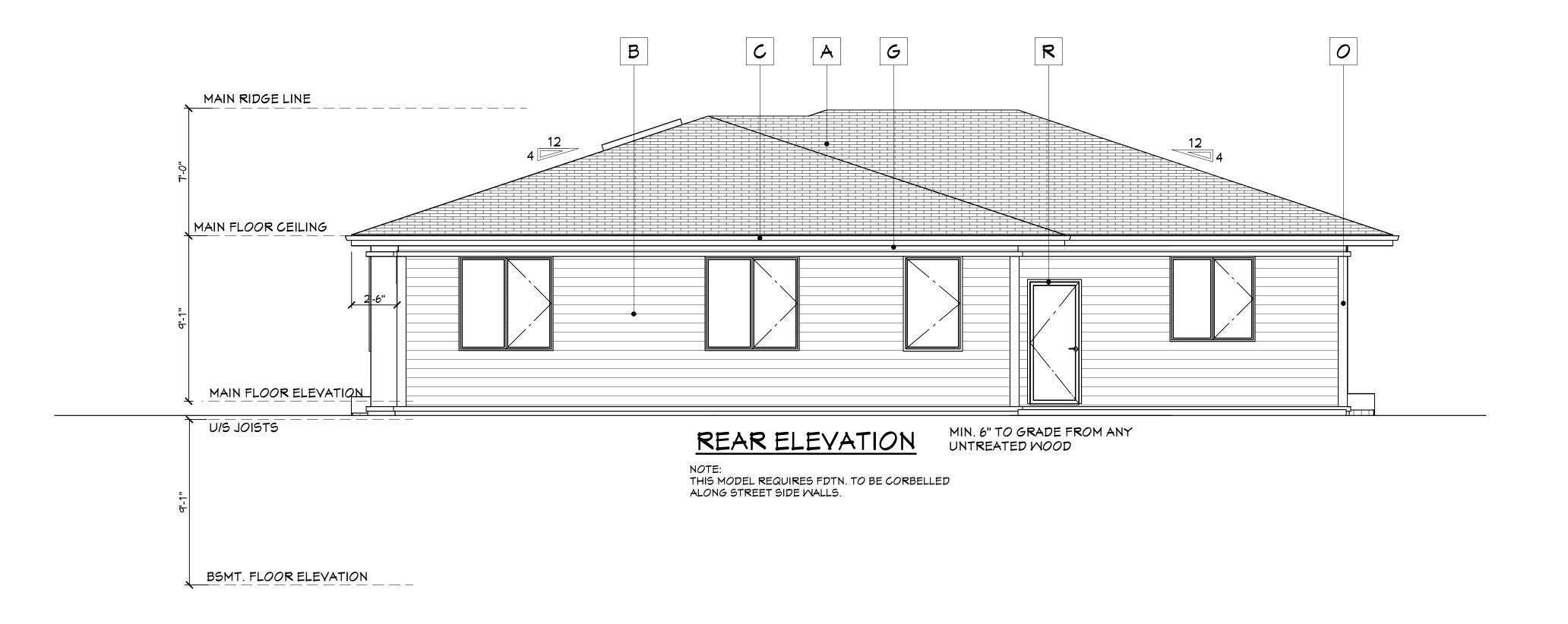
DRAWING TITLE: EXTERIOR **ELEVATIONS** 

PAGE:

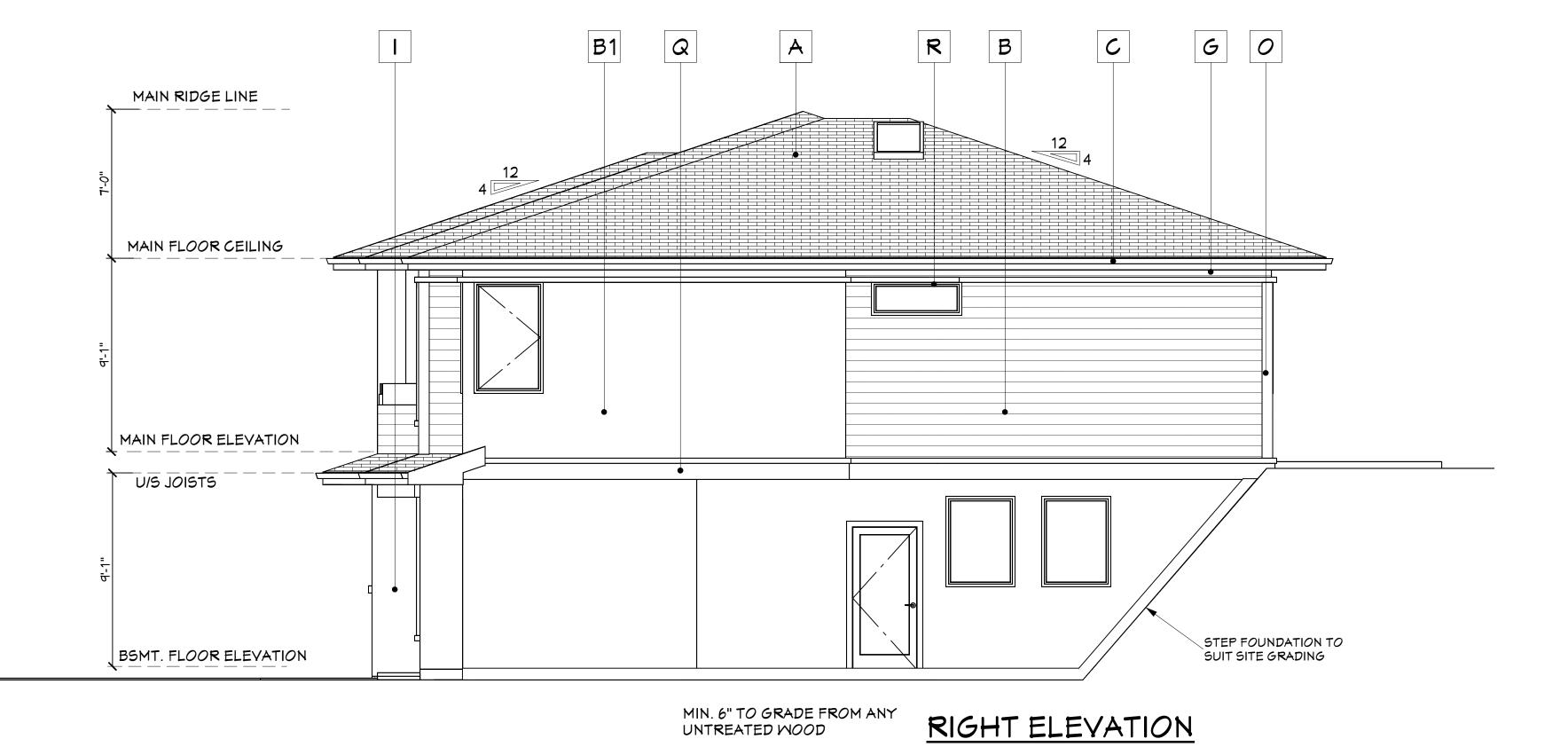
2016/8/12 JOB # 1/4" = 1'-0'

A5

Stock Plan #:E1698-10 - McArthur IV SCALE 1/4" = DRAWN BY GES CHECKED GES



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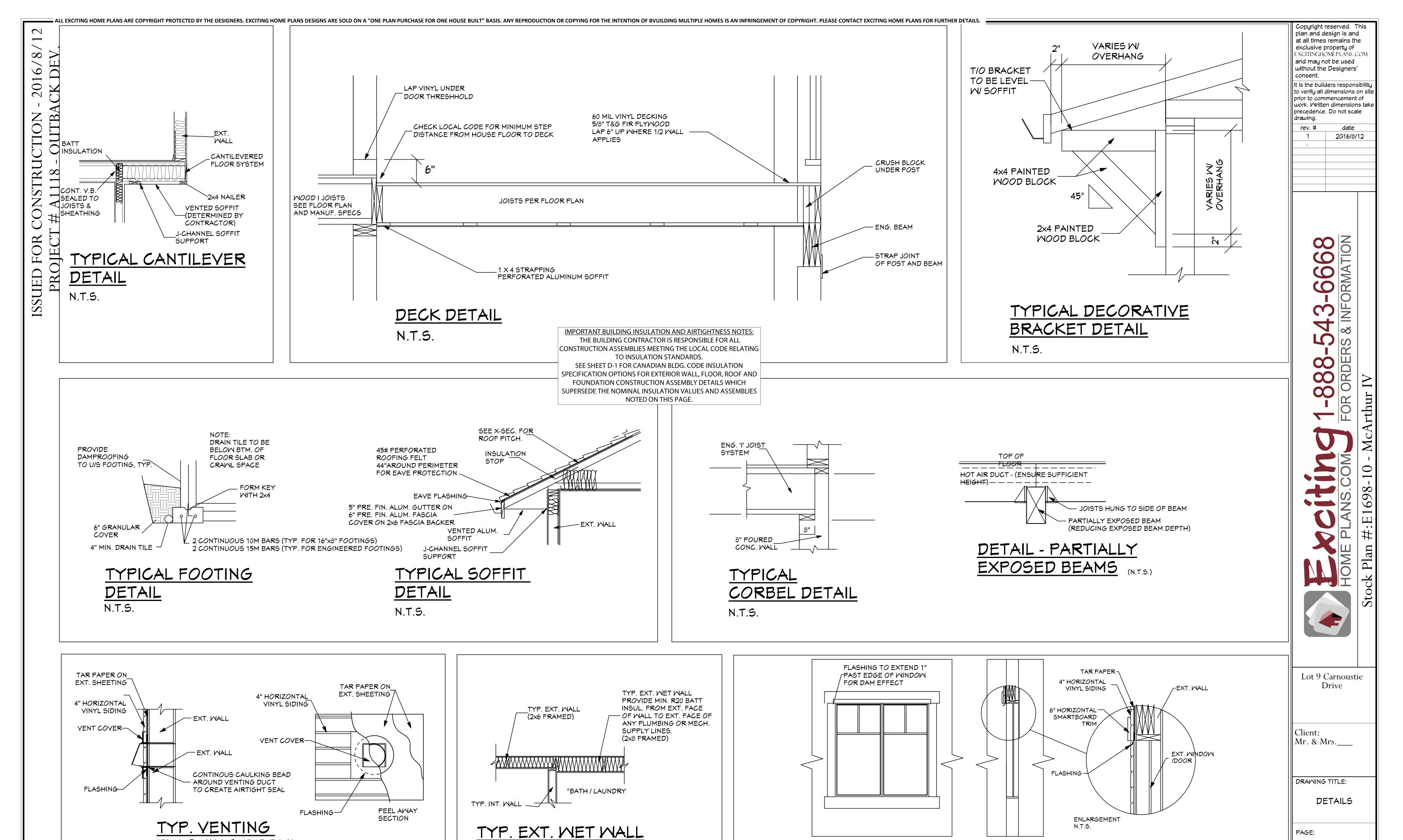
DRAWING TITLE:

EXTERIOR **ELEVATIONS** 

PAGE:

2016/8/12

JOB # 1/4" = 1'-0'



FLASHING DETAIL

N.T.S.

DETAIL

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N.T.S.

WINDOW FLASHING DETAIL N.T.S.

Stock Plan #:E1698-10 - McArthur IV

Stock Plan #:E1698-10 - McArthur IV

DATE 2016/8/12

JOB # 
SCALE 1/4" = 1'-0'

DRAWN BY GES

CHECKED GES

**D-2** 

TYPICAL EXTERIOR

