

THE LINWOOD

JENKINS BUILDERS LLC

8680 MAGNOLIA AVENUE
PERRY HALL, MD. 21128
410-530-5844

2012IECC CODE COMPLIANCE

- 301.1 CLIMATE CODE 4A
- 401.2 COMPLIANCE METHOD:
MANDATORY AND PRESCRIPTIVE PROVISIONS.
- 402.1.1 EXTERIOR FRAME WALL CONSTRUCTION:
2 X 6 STUDS AT 16" O.C.
R 20 KRAFT FACED BATT INSULATION
SHEATHING & HOUSEWRAP CONTINUOUS
- 402.1.1 ATTIC INSULATION:
R 49
R 38 w/ RAISED TRUSS HEALS
- 402.1.1 BASEMENT WALL INSULATION:
R 11 FOIL FACED CONTINUOUS, UNINTERRUPTED BATTS FULL HEIGHT.
- 402.1.1 CRAWL SPACE WALL INSULATION: N/A
R 10 FOIL FACED CONTINUOUS BATTS FULL HEIGHT EXTENDING FROM
FLOOR ABOVE TO FINISH GRADE LEVEL AND THEN VERTICALLY OR
HORIZONTALLY AN ADDITIONAL 2' 0".
- 402.1.1 FLOOR INSULATION OVER UNCONDITIONED SPACE:
R 19 BATT INSULATION TO BE IN CONTACT WITH SHEATHING ABOVE
- 402.1.1 WINDOW U VALUE /SHGC
.30 (U VALUE)
.33 (SHGC)
- 402.1.1 SLAB ON GRADE FLOORS LESS THAN 12" BELOW GRADE:
R 10 RIGID FOAM BOARD UNDER SLAB EXTENDING EITHER
2' 0" HORIZONTALLY OR 2' 0" VERTICALLY
- 402.2.3 ATTIC ACCESS:
ATTIC ACCESS SCUTTLE WILL BE WEATHER STRIPPED AND INSULATED
WITH AN R VALUE EQUAL TO SURROUNDING CEILING.
- 402.4.1 BUILDING THERMAL ENVELOPE (AIR LEAKAGE):
EXTERIOR WALLS AND PENETRATIONS WILL BE SEALED PER THIS
SECTION OF THE 2012 IECC WITH CAULK, GASKETS, WEATHER
STRIPPING OR AN AIR BARRIER OF SUITABLE MATERIAL.
- 402.4.2 BUILDING ENVELOPE TIGHTNESS TEST OPTION:
BUILDING ENVELOPE TIGHTNESS AND INSULATION INSTALLATION
MUST MEET THE INSPECTION CRITERIA LISTED IN TABLE 402.4.2
A "BLOWER DOOR INFILTRATION TEST" SHALL BE PERFORMED IN ALL UNITS.
- 402.4.3 FIREPLACES:
ALL WOOD BURNING MASONRY FIREPLACES WILL HAVE GASKETED DOORS
AND OUTDOOR COMBUSTION AIR. GASKETED DOORS ARE NOT REQUIRED
PREFABRICATED FIREPLACE UNITS.

- 402.4.5 RECESSED LIGHTING:
RECESSED LUMINAIRES INSTALLED IN THE BUILDING THERMAL ENVELOPE
SHALL BE AIR TIGHT, IC RATED & SEALED TO DRYWALL TO LIMIT AIR LEAKAGE.
- 403.1.1 THERMOSTAT:
ALL DWELLING UNITS WILL HAVE AT LEAST (1) PROGRAMMABLE THERMOSTAT FOR
EACH SEPARATE HEATING AND COOLING SYSTEM PER 2012 IECC SECTION 403.1.
WHERE A HEAT PUMP SYSTEM HAVING SUPPLEMENTARY ELECTRIC RESISTANCE HEAT
IS USED THE THERMOSTAT SHALL PREVENT THE SUPPLEMENTARY HEAT FROM COMING
ON WHEN HEAT PUMP CAN MEET HEATING LOAD.
- 403.2.1 MECHANICAL DUCT INSULATION
SUPPLY DUCTS IN ATTIC R 8 MINIMUM
SUPPLY DUCTS OUTSIDE OF CONDITIONED SPACES R 8 MINIMUM
ALL OTHER DUCTS EXCEPT THOSE LOCATED COMPLETELY INSIDE THE
BUILDING THERMAL ENVELOPE R 6 MINIMUM. DUCTS LOCATED UNDER
CONCRETE SLABS MUST BE R-6 MINIMUM
- 403.2.2 DUCT SEALING:
ALL DUCTS, AIR HANDLERS, FILTER BOXES WILL BE SEALED.
JOINTS AND SEAMS WILL COMPLY WITH SECTION M1601.4.1 OF THE IRC.
A DUCT TIGHTNESS TEST ("DUCT BLASTER" DUCT TOTAL LEAKAGE TEST)
WILL BE PERFORMED ON ALL HOMES AND SHALL BE VERIFIED BY EITHER
A POST CONSTRUCTION TEST OR A ROUGH IN TEST. DUCT TIGHTNESS
TEST IS NOT REQUIRED IF THE AIR HANDLER AND ALL DUCTS ARE
LOCATED WITHIN THE CONDITIONED SPACE.
- 403.3 ALL HOT WATER PIPES TO BE WRAPPED WITH R-3 PIPE INSULATION.
- 403.5 MECHANICAL VENTILATION:
OUTDOOR (MAKE-UP) AIR WILL BE BROUGHT INTO THE HOME THRU A
DUCT WITH AN AUTOMATIC OR GRAVITY DAMPER.
- 403.5 EQUIPMENT SIZING SHALL COMPLY WITH R403.6.
- 403.6 LIGHTING EQUIPMENT:
A MINIMUM OF 75% OF ALL LAMPS (LIGHTS) MUST BE HIGH EFFICIENCY LAMPS.
WATER HEATER: MINIMUM EFFICIENCY ESTABLISHED BY NAECA
ALL MECHANICAL TESTING TO BE PERFORMED BY:
A CERTIFIED THIRD PARTY TESTING FIRM.
CONTRACTOR IS RESPONSIBLE FOR GENERATING CERTIFICATE OF
COMPLIANCE AND AFFIXING TO ELECTRICAL PANEL.

SHEET TITLE:

TITLE SHEET

JENKINS BUILDERS LLC
8680 MAGNOLIA AVENUE
PERRY HALL, MD. 21128
410-530-5844
njenkinsbuilders.com

THE LINWOOD

REVISIONS

4TH GENERATION DESIGNS LLC
7603 OLD HARFORD ROAD
BALTIMORE, MD. 21234
443-425-0941
WILLIAM (SKIP) STORM

DATE

4/23/2015

SCALE

1/4" = 1'

SHEET

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FRONT ELEVATION



RIGHT SIDE ELEVATION



LEFT SIDE ELEVATION



REAR ELEVATION

SHEET TITLE:

ELEVATIONS

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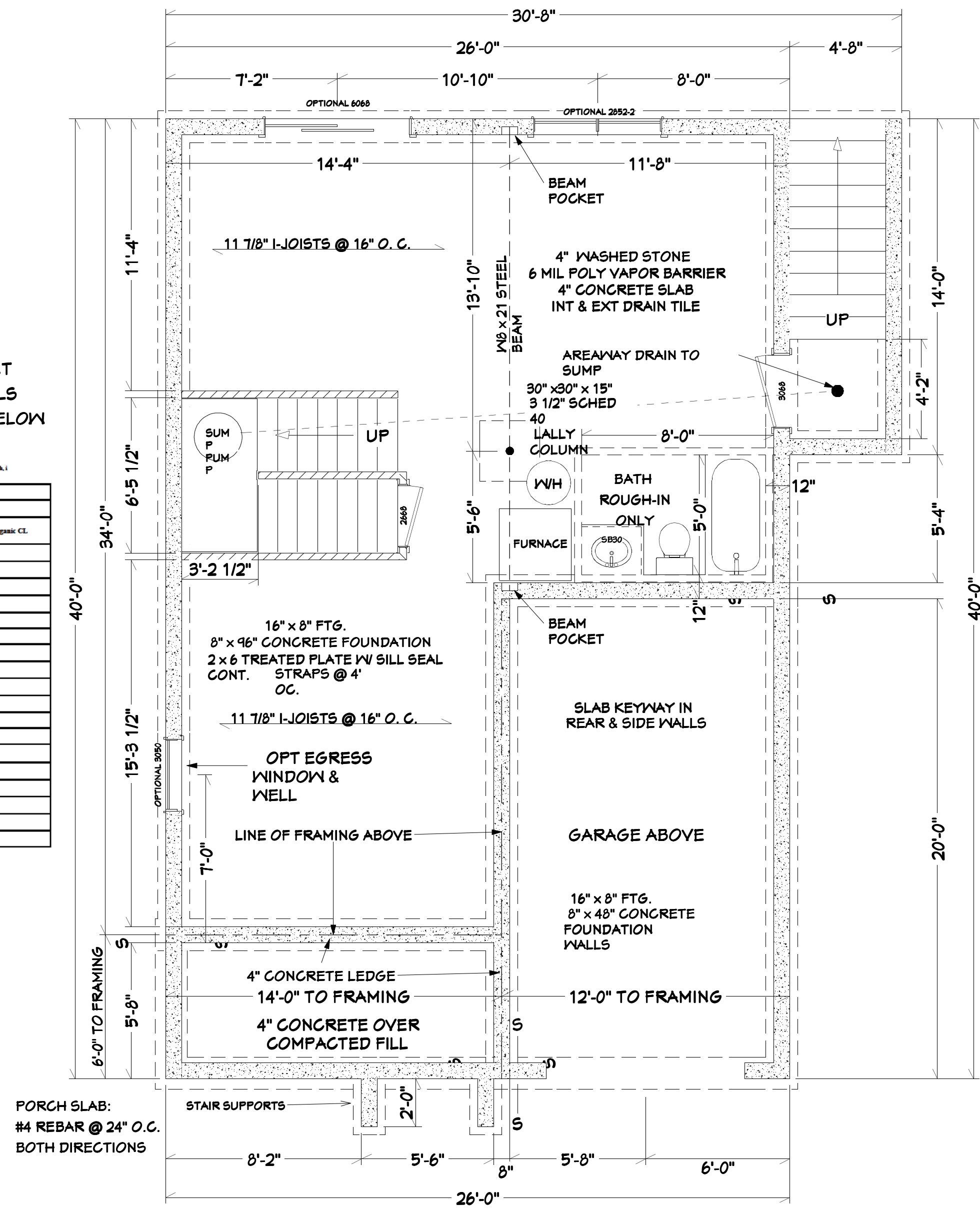
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NOTE:
INSTALL VERTICAL REINFORCEMENT
FOR CONCRETE FOUNDATION WALLS
PER IRC CODE TABLE R404.1.2(3) BELOW

TABLE R404.1.2(3) MINIMUM VERTICAL REINFORCEMENT FOR 8-INCH (203 mm) NOMINAL FLAT CONCRETE BASEMENT WALLS

MAXIMUM UNSUPPORTED WALL HEIGHT (feet)	MAXIMUM UNBALANCED BACKFILL HEIGHT* (feet)	MINIMUM VERTICAL REINFORCEMENT-BAR SIZE AND SPACING (inches)		
		Soil classes* and design lateral soil (psf per foot of depth)		
		GW, GP, SW, SP 30	GM, GC, SM, SM-SC and ML 45	SC, ML-CL and Inorganic CL 60
8	4	NR	NR	NR
	5	NR	NR	NR
	6	NR	NR	6 @ 37
	7	NR	6 @ 36	6 @ 35
	8	6 @ 41	6 @ 35	6 @ 26
9	4	NR	NR	NR
	5	NR	NR	NR
	6	NR	NR	6 @ 35
	7	NR	6 @ 35	6 @ 32
	8	6 @ 36	6 @ 32	6 @ 23
10	4	NR	NR	NR
	5	NR	NR	NR
	6	NR	NR	6 @ 35
	7	NR	6 @ 35	6 @ 29
	8	6 @ 35	6 @ 29	6 @ 21
	9	6 @ 34	6 @ 22	6 @ 16
	10	6 @ 27	6 @ 17	6 @ 13



PORCH SLAB:
#4 REBAR @ 24" O.C.
BOTH DIRECTIONS

FOUNDATION

FIRST FLOOR	730 SF
SECOND FLOOR	920 SF
TOTAL LIVING SPACE	1650 SF
GARAGE	240 SF
FRONT PORCH	84 SF
BASEMENT	660 SF
TOTAL ALL AREAS	2634 SF
HOUSE FOOT PRINT	1040 SF

To the best of my knowledge these plans are drawn to comply with the builder's specifications and any changes made on them after prints are made will be done at the builder's expense and responsibility. The contractor shall verify all dimensions and enclosed drawing. 4th Generation Designs LLC is not liable for errors once construction has begun. While every effort has been made in the preparation of this plan to avoid mistakes, the maker can not guarantee against human error. The contractor of the job must check all dimensions and other details prior to construction and be solely responsible thereafter.

SHEET TITLE:
FOUNDATION

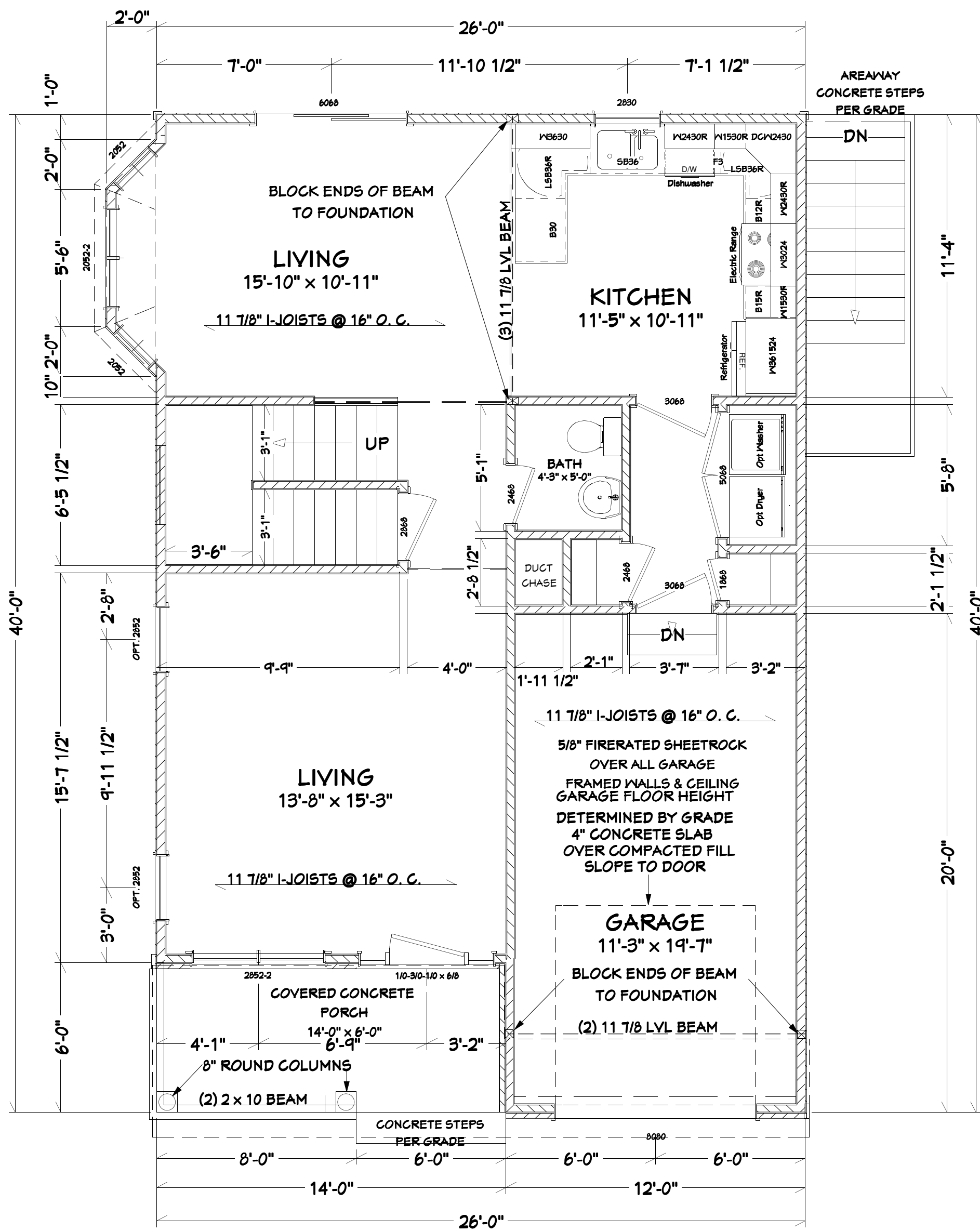
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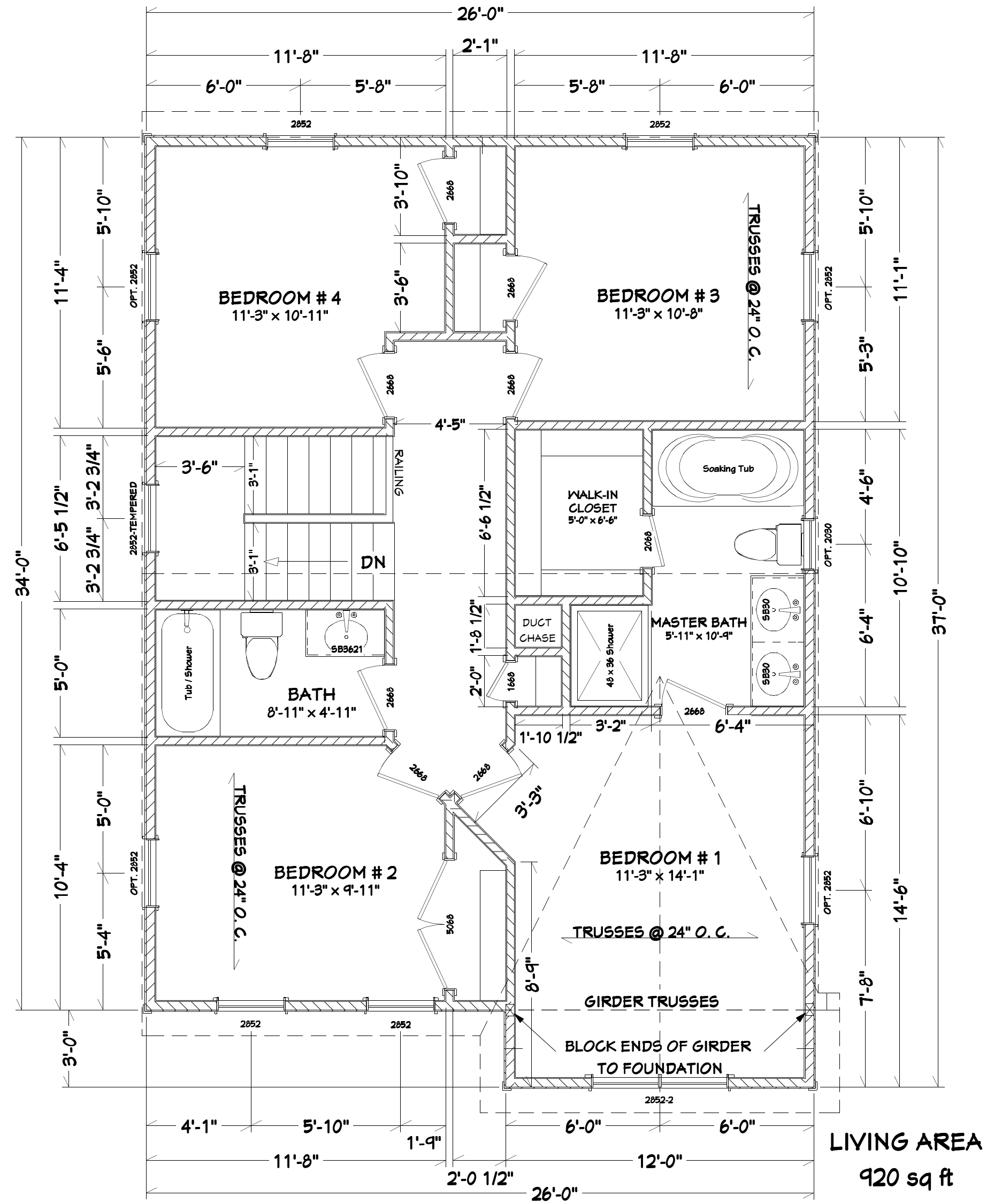
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A - 2



FIRST FLOOR



SECOND FLOOR

SHEET TITLE:

FLOOR PLANS

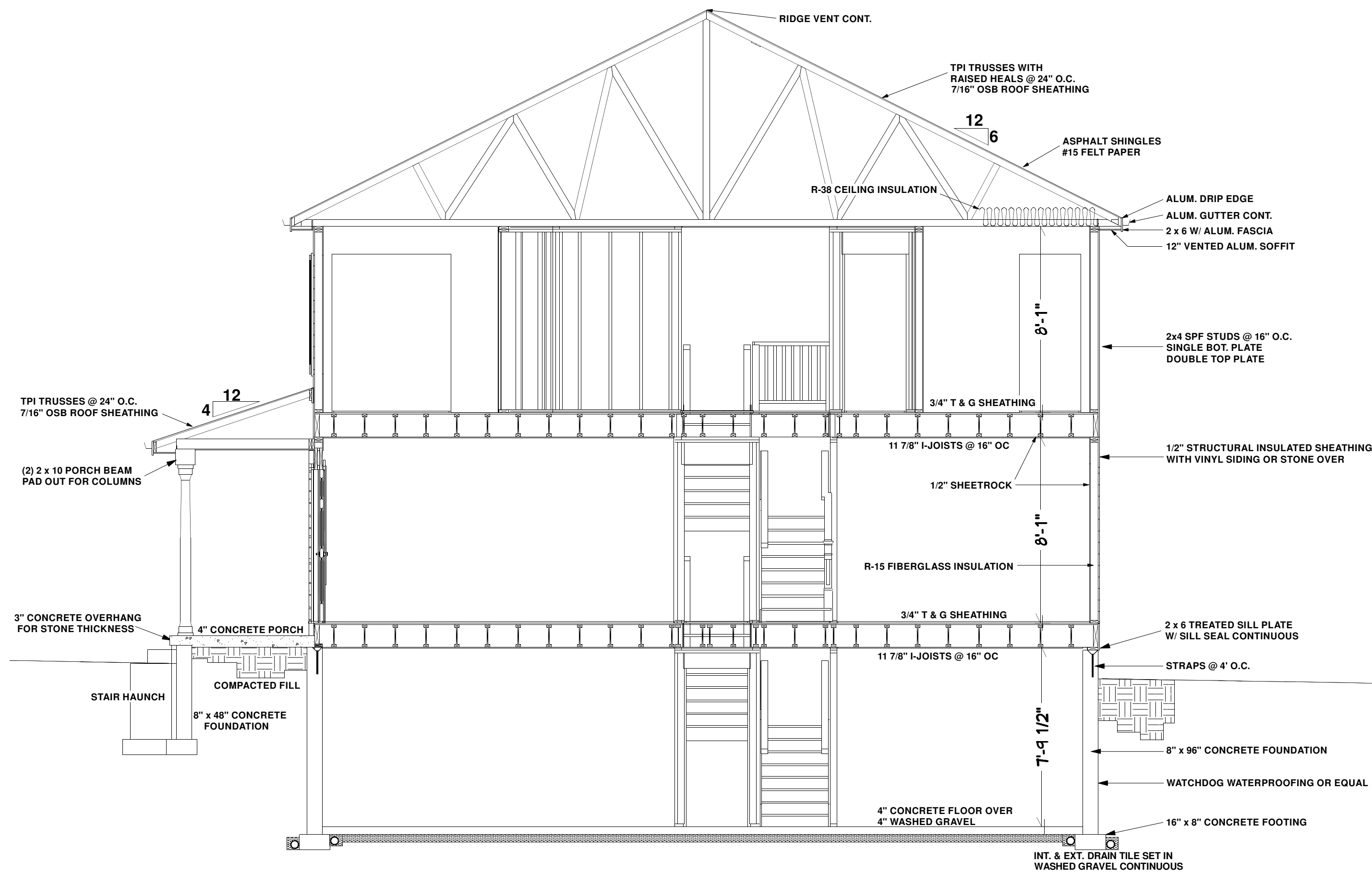
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CROSS SECTION A

SHEET TITLE:

CROSS SECTIONS

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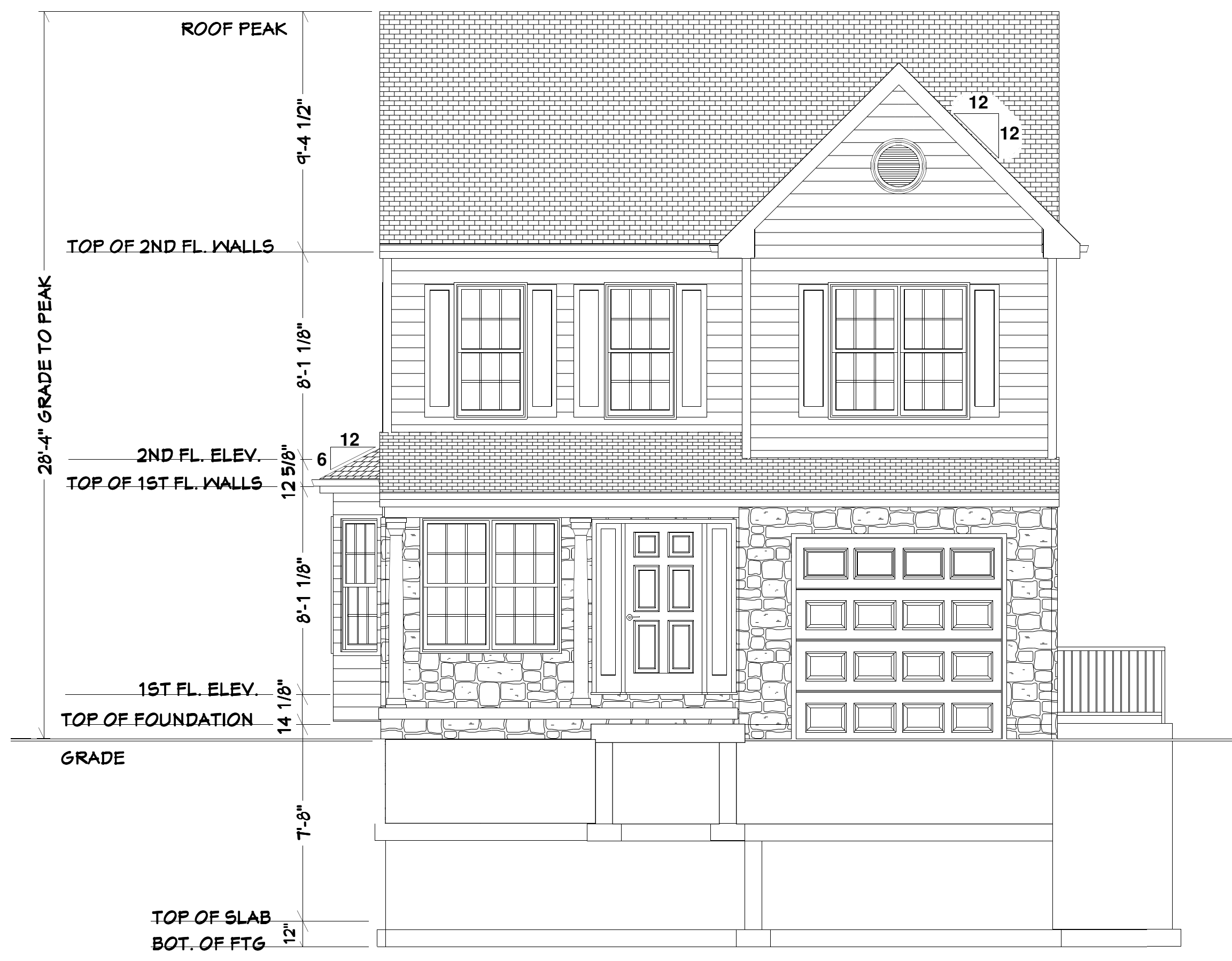
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CROSS SECTION B

SHEET TITLE:

CROSS SECTIONS

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