



NORTH CAROLINA 50' SERIES PLAN 149.2115

LOT 45 MASON POINTE - ELEVATION C

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PLAN #149.2115

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ARCHITECTURAL DETAILS

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AD8 ARCHITECTURAL DETAILS

ABBREVIATIONS

ABV. ABOVE	A/C AIR CONDITIONING	G.F.I. GROUND-FAULT INTERRUPTER	R.O. ROUGH OPENING
ADJ. ADJUSTABLE	ALT. ALTERNATE	G.I. GALVANIZED IRON	S & P SHELF AND POLE
AMP. AMPERAGE	BD. BOARD	G.Y.P. GYPSUM BOARD	S.C. SOLID CORE
CAB. CABINET	C.L.R. CLEAR	H.C. HOLLOW CORE	S.D. SMOKE DETECTOR
C.G.S. CEILING	CL. CONCRETE	HDR. HEADER	SEC. SECTION
C.T. CERAMIC TILE	D. DRYER	HGT. / HT. HEIGHT	S.H. SINGLE HUNG
D.B.L. DOUBLE	D.S. DUAL GLAZED	HS. HORIZONTAL SLIDER	SHT. SHEET
DIA. DIAMETER	DIM. DIMENSION	I.L.O. IN LIEU OF	SHTHG. SHEATHING
DISP. DISPOSAL	D.L. DIVIDED LIGHT	INSUL. INSULATION	SHWR. SHOWER
DR. DEEP	DR. DEEP	INT. INTERIOR	SIM. SIMILAR
D.S. DOWNSPOUT	DTL. DETAIL	L.A.M. LAMINATED	SL. SLIDING
D.W. DISHWASHER	EA. EACH	L.A.V. LAVATORY	SL. GL. SLIDING GLASS
ELEV. ELEVATION	EQ. EQUAL	L.M. LUMINOUS	STD. STANDARD
EXT. EXTERIOR	EXH. EXHAUST	M.C. MEDICINE CABINET	S.T.D. SHEET VINYL
FAU. FORCED AIR UNIT	F.G. FIXED GLASS	MFR. MANUFACTURER	TEMP. TEMPERED GLASS
F.G. FUEL GAS	FIN. FINISH	MIN. MINIMUM	THK. THICK
FLR. FLOOR	FLR. LINE FLOOR LINE	MTD. MOUNTED	T.O.C. TOP OF CURB
FLUOR. FLUORESCENT	FR. DR. FRENCH DOOR	MTL. METAL	T.O.P. TOP OF PLATE
F.M.C. FLOOR MATERIAL CHANGE	FTG. FOOTING	N.I.C. NOT IN CONTRACT	T.O.S. TOP OF SLAB
GA. GAUGE	GAR. DISP. GARBAGE DISPOSAL	N.T.S. NOT TO SCALE	TYP. TYPICAL
		O. OVER	UNLESS NOTED OTHERWISE
		O.C. ON CENTER	V.P. VAPOR PROOF
		OPT. OPTIONAL	W. WITH
		O.S.A. OUTSIDE AIR	WD. WOOD
		P. PUSH BUTTON	W.D.W. WINDOW
		PH. PHONE	WH. WATER HEATER
		PLT. PLATE	W.I. WROUGHT IRON
		PLYND. PLYWOOD	WP. WEATHER PROOF
		FR. PAIR	
		P.T.D.F. PRESSURE TREATED DOUGLAS FIR	
		R. RISER	
		RAD. RADIUS	
		R.A.G. RETURN AIR GRILL	
		REF. REFRIGERATOR	
		RE/S RE-SAWN	
		REV. REVERSE	
		RM. ROOM	

ARCH. SYMBOLS

BUILDING SECTION
SECTION INDICATOR
SHEET NUMBER

DETAIL REFERENCE
DETAIL NUMBER
SHEET NUMBER

KEYNOTE REFERENCE
REFERENCE NUMBER

OFFSET REFERENCE
DIFFERENTIAL IN FLOOR LEVEL OR FINISH SURFACE

REVISION REFERENCE
REVISION NUMBER
REFER TO TITLE SHEET

SCALE NOTE

IF BOX IS 1" SQ. THEN SCALE IS 1/4" = 1'-0"
IF BOX IS 1/2" SQ. THEN SCALE IS 1/8" = 1'-0"

CONSULTANTS

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TRUSS DESIGN
BUILDERS FIRST SOURCE

SQUARE FOOTAGE

PLAN PLAN 149.2115		
FIRST FLOOR AREA	2106	SQ. FT.
TOTAL AREA	2114	SQ. FT.
GARAGE AREA	425	SQ. FT.
PORCH AREA(S)		
ELEVATION 'A'	80	SQ. FT.
ELEVATION 'B'	69	SQ. FT.
ELEVATION 'C'	74	SQ. FT.
ELEVATION 'D'	74	SQ. FT.
PATIO AREA(S)		
10'X10' COVERED	100	SQ. FT.
10'X20' COVERED	200	SQ. FT.
10'X20' COVERED SCREENED-IN	100	SQ. FT.
10'X20' COVERED SCREENED-IN	200	SQ. FT.
DECK AREA(S)		
OPEN 12'X12'	144	SQ. FT.
OPEN 12'X24'	288	SQ. FT.
SCREENED-IN 12'X12'	144	SQ. FT.
SCREENED-IN 12'X24'	240	SQ. FT.
SUNROOM AREA(S)		
12'X12' SUNROOM	144	SQ. FT.

CODE INFORMATION

APPLICABLE CODES:
2018 NORTH CAROLINA STATE BUILDING CODE, RESIDENTIAL CODE, INCLUDING REFERENCED CODES AND STANDARDS

CODE ABBREVIATIONS

N.C.-R. NORTH CAROLINA RESIDENTIAL CODE
N.C.-B. NORTH CAROLINA BUILDING CODE
N.C.-M. NORTH CAROLINA MECHANICAL CODE
N.C.-P. NORTH CAROLINA PLUMBING CODE
N.C.-F. NORTH CAROLINA FUEL GAS CODE
N.C.-E. NORTH CAROLINA ELECTRICAL CODE
N.C.-E.C. NORTH CAROLINA ENERGY CODE
N.E.C. NATIONAL ELECTRICAL CODE
I.C.B.O. INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
A.S.T.M. AMERICAN SOCIETY FOR TESTING MATERIALS
N.F.P.A. NATIONAL FIRE PROTECTION ASSOCIATION
ANSI. AMERICAN NATIONAL STANDARDS INSTITUTE
I.E.C.C. INTERNATIONAL ENERGY CONSERVATION CODE
I.C.C. INTERNATIONAL CODE COUNCIL UNDERWRITERS LABORATORIES, INC.

PROJECT DESCRIPTION:
1 STORY SINGLE FAMILY DETACHED RESIDENTIAL PLAN W/ 4 ELEVATIONS

OCCUPANCY:
R3

CONSTRUCTION TYPE:
V - B

REVISION LIST

DELTA	DATE	SHEETS REVISED	LOG NUMBER
1	09/10/18	1, 3, 5, 2	NC1804INC/P
2	03/15/19	T.5, GN1, GN2, GN3, 3.A1, 3.B2, 3.C2, 3.D2, 5.1, 8.A1 - 8.D4, 9.A1 - 9.D2	NC1905INC/P
3	03/22/19	T.5, 1.1, 1.2, 5.1	NC1907INC/P
4	05/16/19	T.5, T.1, T.2, 8.A5, 8.A6, 8.B5, 8.B6, 8.C5, 8.C6, 8.D5, 8.D6	NC1908INC/P



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2018 NORTH CAROLINA STATE BUILDING CODES

ISSUE DATE: 08/09/18
PROJECT No.: 1350999:57
DIVISION MGR.: D.S.
REVISIONS: 05/07/19

1 DIVISION REVISIONS
NC1804INC/P / 09/10/18 / CTD

2 2018 CODE UPDATE
NC1905INC/P / 03/15/19 / CTD

3 DIVISION REVISIONS
NC1907INC/P / 03/22/19 / CTD

4 COMPLIANCE REVISIONS
NC1908INC/P / 05/16/19 / FAE

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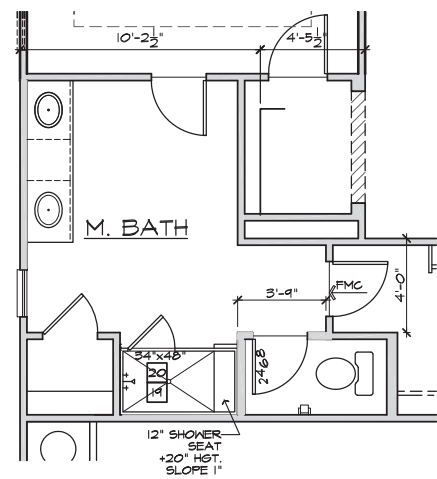
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PLAN:
149.2115

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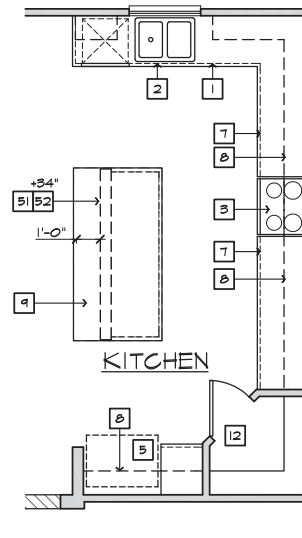
SPEC. LEVEL 1
RALEIGH-DURHAM
50' SERIES

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**DELUXE
MASTER BATH**

AT MASTER BATH



ISLAND

AT KITCHEN

#	FLOOR PLAN NOTES	2018 NC - 4
	NOTE: NOT ALL KEY NOTES APPLY.	
1.	SINK - GARBAGE DISPOSAL OPTIONAL - VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS	
2.	DISHWASHER - PROVIDE AIR GAP - VERIFY SPACING & DIMENSIONS PER MANUFACTURERS' SPECS	
3.	SLIDE-IN RANGE/OVEN COMBINATION W/ BUILT-IN NON-VENTED HOOD W/LIGHT & FAN - VERIFY WITH MANUFACTURERS' SPECS	
4.	30\"/>	
5.	34\"/>	
6.	COMBINATION DOUBLE OVEN OR OVEN/MICROWAVE OVEN OR OVEN VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS	
7.	BASE CABINETS - REFER TO INTERIOR ELEVATIONS	
8.	UPPER CABINETS - REFER TO INTERIOR ELEVATIONS	
9.	ISLAND CABINET - REFER TO INTERIOR ELEVATIONS	
10.	MIN. 12\"/>	
11.	DESK AREA - REFER TO INTERIOR ELEVATIONS	
12.	BUILT-IN PANTRY (15\"/>	
13.	SINK CABINET(S) - REFER TO INTERIOR ELEVATIONS	
14.	SINK CABINET W/ EXTENDED VANITY & KNEE SPACE BELOW - REFER TO INTERIOR ELEVATIONS	
15.	OPT. SINK - REFER TO INTERIOR ELEVATIONS.	
16.	KNEE SPACE - REFER TO INTERIOR ELEVATIONS	
17.	PRE-FAB. TUB/SHOWER COMBO W/ FIBERGLASS MAINSCOT TO T2\"/>	
18.	OVAL TUB - VERIFY DIMENSIONS WITH MANUF'S SPECS.	
19.	PRE-FAB. SHOWER PAN W/ 30\"/>	
20.	SHATTERPROOF (TEMPERED) GLASS SHOWER ENCLOSURE.	
21.	TOILET BAR - PROVIDE 2x SOLID BLK'S IN WALL	
22.	TOILET PAPER HOLDER - PROVIDE 2x SOLID BLK'S IN WALL	
23.	RECESSED, MIRRORING MEDICINE CABINET	
24.	WASHER & DRYER - PROVIDE WATER & WASTE FOR WASHER - RECESS WASHER CONTROL VALVES IN WALL - VENT DRYER TO OUTSIDE AIR - PROVIDE 'SMITTY PAN' W/ DRAIN BELOW WASHER AT 2ND FLOOR LAUNDRY LOCATION ACCOMMODATE APPLIANCES TO BE LOCATED WASHER AT LEFT AND DRYER AT RIGHT.	
25.	12\"/>	
26.	OPT. LAUNDRY SINK - REFER TO INTERIOR ELEVATIONS	
27.	WATER HEATER LOCATION - FOR GAS - LOCATE ON 10\"/>	
28.	WATER HEATER 'B' VENT TO OUTSIDE AIR	
29.	MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE	
30.	F.A.U. LOCATION (REFER TO DETAIL SHEETS)	
31.	F.A.U. 'B' VENT TO OUTSIDE AIR	
32.	LISTED FACTORY-BUILT GAS FIRED DEC. APPLIANCE (REF. 80/AD4) - INSTALL PER MFR. SPECS	
33.	HEARTH TO BE INSTALLED PER FACTORY-BUILT FIREPLACE LISTING	
34.	GAS APPLIANCE 'B' VENT FROM BELOW	
35.	LINEN PER SPECS (15\"/>	
36.	COAT CLOSET W/ SHELF & POLE (REFER TO DETAIL SHEETS)	
37.	WARDROBE W/ SHELF & POLE (REFER TO DETAIL SHEETS)	
38.	22\"/>	
39.	LINE OF WALL BELOW	
40.	DUCT CHASE	
41.	LINE OF FLOOR ABOVE	
42.	LINE OF FLOOR BELOW	
43.	LINE OF OPTIONAL TRAY CEILING (REFER TO DETAIL SHEETS)	
44.	LINE OF HIP AT OPTIONAL VOLUME CEILING	
45.	LINE OF RIDGE AT OPTIONAL VOLUME CEILING	
46.	CEILING BREAK	
47.	STAIR TREADS & RISERS - MIN. 10\"/>	
48.	MIN. 36\"/>	
49.	34\"/>	
50.	A/C PAD LOCATION	08/09/18
51.	LOW WALL - REFER TO PLAN FOR HEIGHT	
52.	2x6 STUD WALL	
53.	2x6 BALLOON FRAMED WALL PER STRUCTURAL	
54.	DBL. 2x4 WALL PER PLAN	05/07/19
55.	INTERIOR SHELF-SEE PLAN FOR HT. (REFER TO DETAIL SHEETS)	
56.	MEDIA NICHE	
57.	FLAT SOFFIT - REFER TO PLATE NOTES / ELEV. FOR HGT.	
58.	ARCHED SOFFIT - REFER TO PLATE NOTES / ELEV. FOR HGT.	
59.	WINDOW SEAT	
60.	OPT. DOOR/ WINDOW	
61.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYFON OR EQ. SURROUNDING STRUCTURAL POST.	
62.	BRICK / STONE VENEER - REFER TO ELEVATIONS VENEER TO COMPLY WITH THE N.C.-R.	
63.	SECTIONAL GARAGE DOOR PER SPECS	
64.	MIN. 1/2\"/>	
65.	GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAN 1/2\"/>	
66.	3\"/>	
67.	5/8\"/>	
68.	P.T. POST W/ VINYL WRAP	
69.	CONCRETE STOOP, 36\"/>	
70.	EGRESS WINDOW	
71.	PROVIDE ADDITIONAL RISER(S) AT OPTIONAL PLATE HT.	
72.	MDF TOP	
73.	PLUMBING DROP FROM ABOVE	
74.	ADJUST OPENING AT OPTION TO FIT THE DOOR SIZE SHOWN	
75.	WINDOW LEDGE. HEIGHT & WIDTH OF OPENING TO EXTEND 6\"/>	
76.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE	
77.	CONCRETE SLAB. SLOPE 1/4\"/>	
78.	LOUVERED DOOR	
79.	SLOPING LOW WALL 36\"/>	
80.	20 MIN. FIRE-RATED DOOR	

**2018 NORTH
CAROLINA STATE
BUILDING
CODES**

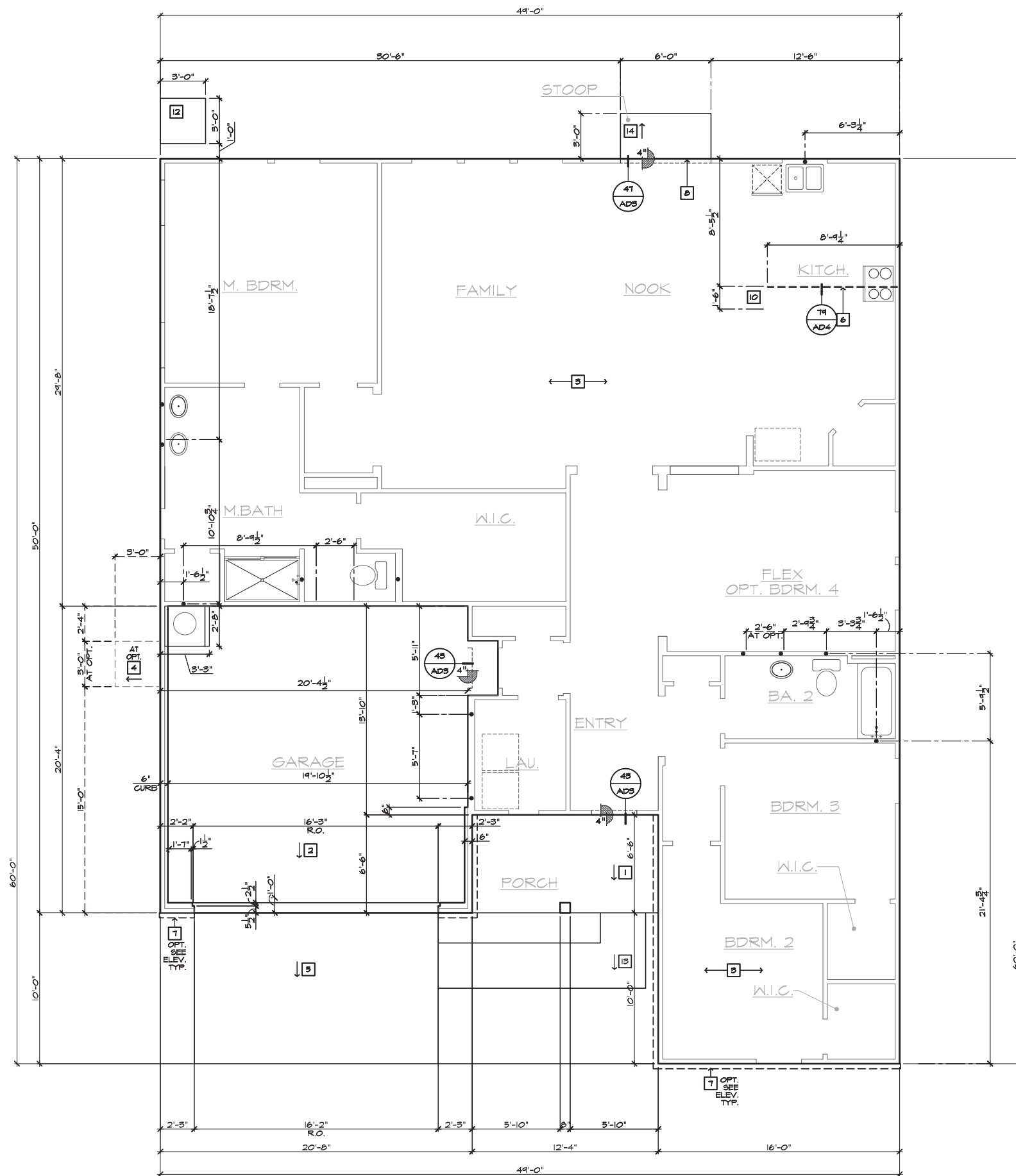
- 1 DIVISION REVISIONS
NC1804INCP / 09/10/18 / CTD
- 2 2018 CODE UPDATE
NC19015NCP / 03/15/19 / CTD
- 3 DIVISION REVISIONS
NC19017NCP / 03/22/19 / CTD
- 4 COMPLIANCE REVISIONS
NC19031NCP / 05/16/19 / FAB

149.2115

1.3

FLOOR PLAN OPTIONS

SCALE: 1/4"=1'-0" (22"x34") - 1/8"=1'-0" (11"x17")



- SLAB PLAN NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
1. CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.
 2. CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER. 1'-0" MIN. TOWARD DOOR OPENING.
 3. CONCRETE FOUNDATION PER STRUCTURAL.
 4. CONCRETE STOOP: 36"x36" STANDARD SLOPE 1/4" PER FT. MIN.
 5. CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING.
 6. PROVIDE ELECTRICAL CONDUIT UNDER SLAB AT ISLAND. VERIFY LOCATION.
 7. 5" BRICK LEDGE FOR MASONRY VENEER.
 8. 3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.
 9. REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.
 10. VERIFY ALL PLUMBING STUB DIMENSIONS SHOWN HERE PRIOR TO POUR OF SLAB.
 11. 4" MIN. @ 1/4" MAX. TO HARD SURFACE.
 12. A/C PAD. VERIFY LOCATION.
 13. 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

2018 NORTH CAROLINA STATE BUILDING CODES

08/09/18

05/07/19

- 1 DIVISION REVISIONS NCI8041NCF / 09/10/18 / CTD
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- 3 DIVISION REVISIONS NCI9017NCF / 03/22/19 / CTD
- 4 COMPLIANCE REVISIONS NCI9031NCF / 05/16/19 / FAB

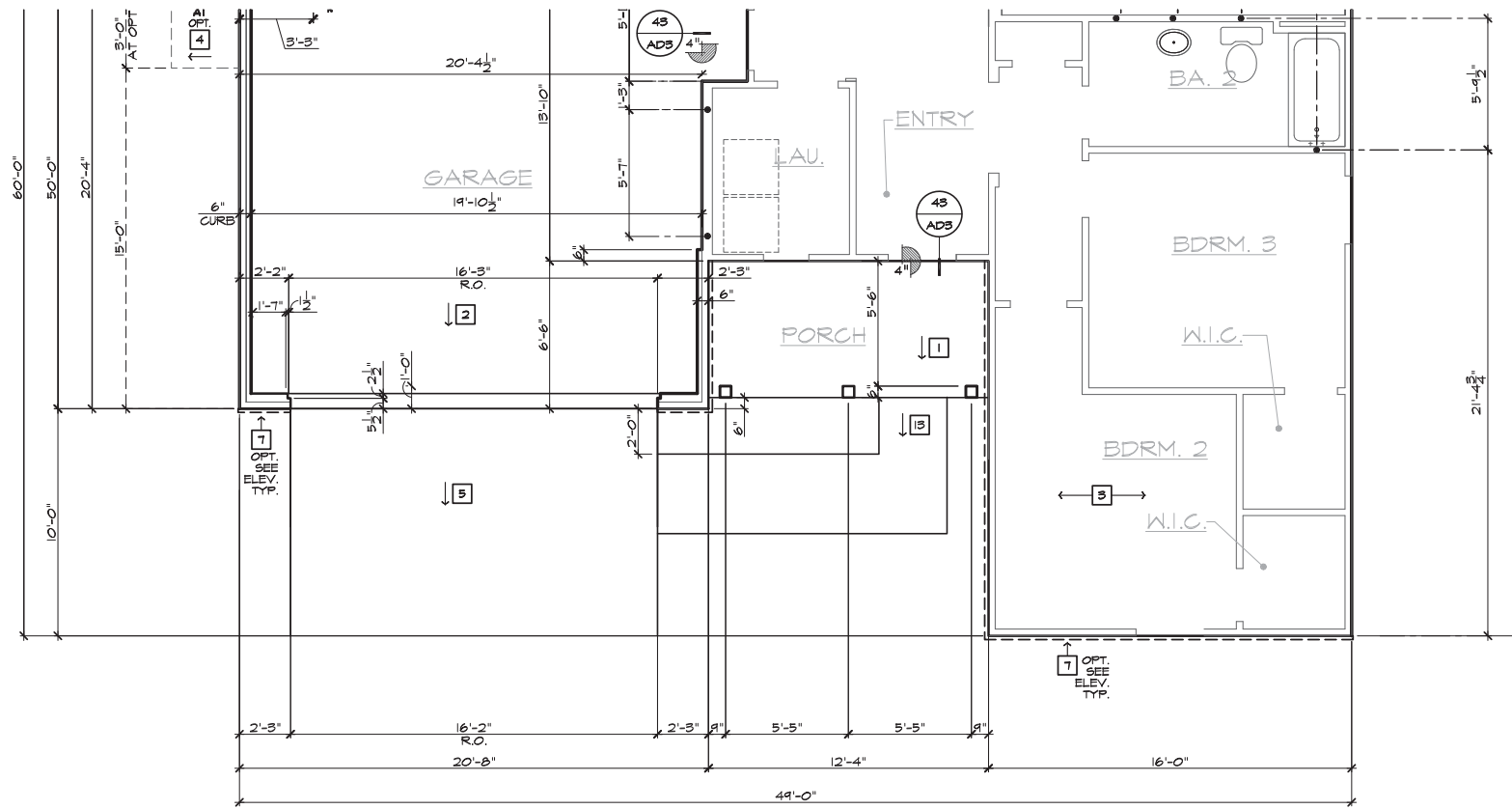
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2.1

SLAB INTERFACE PLAN 'A'

SCALE 1/4"=1'-0" (22"x34") - 1/8"=1'-0" (11"x17")

BASIC PLAN AT SLAB-ON-GRADE



PARTIAL SLAB INTERFACE PLAN 'C'

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

BASIC PLAN AT SLAB-ON-GRADE

#	SLAB PLAN NOTES
NOTE: NOT ALL KEY NOTES APPLY.	
1.	CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.
2.	CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER. 1'-0" MIN. TOWARD DOOR OPENING.
3.	CONCRETE FOUNDATION PER STRUCTURAL.
4.	CONCRETE STOOP: 36"x36" STANDARD SLOPE 1/4" PER FT. MIN.
5.	CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING.
6.	PROVIDE ELECTRICAL CONDUIT UNDER SLAB AT ISLAND. VERIFY LOCATION.
7.	5" BRICK LEDGE FOR MASONRY VENEER.
8.	3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.
9.	REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.
10.	VERIFY ALL PLUMBING STUB DIMENSIONS SHOWN HERE PRIOR TO POUR OF SLAB.
11.	4" MIN. & 1/4" MAX. TO HARD SURFACE.
12.	A/C PAD. VERIFY LOCATION.
13.	36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

2018 NORTH CAROLINA STATE BUILDING CODES

08/09/18

05/07/19

- 1. DIVISION REVISIONS
NC18041NCF / 09/10/18 / CTD
- 2. 2018 CODE UPDATE
NC19051NCF / 03/15/19 / CTD
- 3. DIVISION REVISIONS
NC19071NCF / 03/22/19 / CTD
- 4. COMPLIANCE REVISIONS
NC19031NCF / 05/16/19 / FAB

149.2115

2.2

#	PARTIAL PLAN NOTES
NOTE: NOT ALL KEY NOTES APPLY.	
27.	WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE FAN & DRAIN (REFER TO DETAILS)
28.	WATER HEATER VENT TO OUTSIDE AIR
29.	MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
34.	LINE OF HALL BELOW
41.	LINE OF FLOOR ABOVE
42.	LINE OF FLOOR BELOW
48.	MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS)
50.	A/C PAD LOCATION
51.	LOW HALL - REFER TO PLAN FOR HEIGHT
52.	2x4 STUD WALL
54.	DBL. 2x4 WALL PER PLAN
55.	INTERIOR SHELF - REFER TO PLAN FOR HEIGHT
57.	FLAT SOFFIT
58.	ARCHED SOFFIT
60.	OPT. DOOR / WINDOW
61.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FRYON OR EQ. SURROUNDING STRUCTURAL POST.
62.	BRICK / STONE VENEER - REFER TO ELEVATIONS
63.	SECTIONAL GARAGE DOOR PER SPECS
66.	3" DIA. CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE (NOT REQUIRED AT ELECTRIC WATER HEATERS OR FOR APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL TRAVEL PATH)
68.	P.T. POST W/ VINYL WRAP.
70.	EGRESS WINDOW
75.	WINDOW LEDGE HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOW(S) ON ALL SIDES U.N.O.
76.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
77.	CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SIZE.

2018 NORTH CAROLINA STATE BUILDING CODES

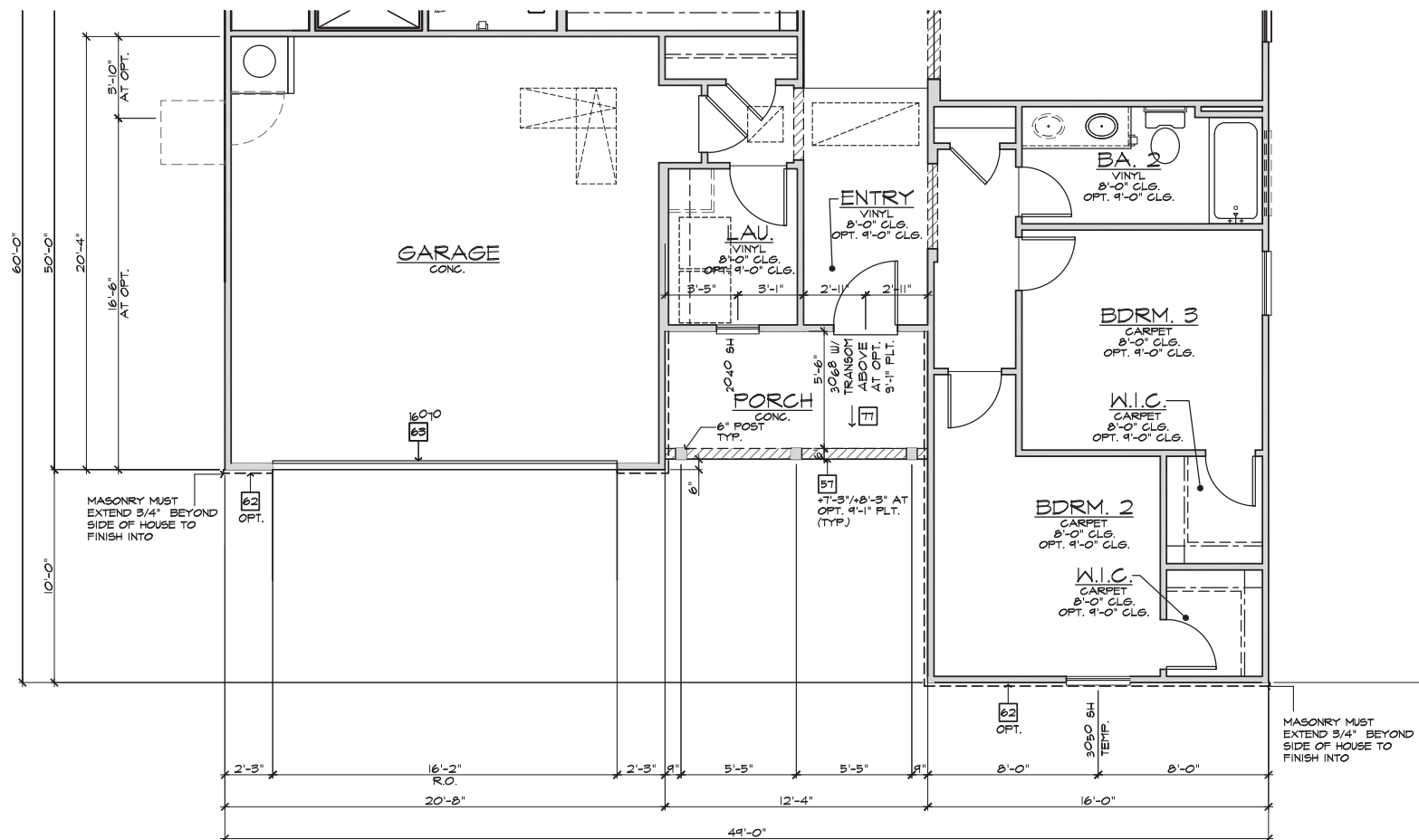
08/09/18

05/07/19

- 1 DIVISION REVISIONS NCI8041NCF / 09/10/18 / CTD
- 2 2018 CODE UPDATE NCI9015NCF / 03/15/19 / CTD
- 3 DIVISION REVISIONS NCI9017NCF / 03/22/19 / CTD
- 4 COMPLIANCE REVISIONS NCI9031NCF / 05/16/19 / FAB

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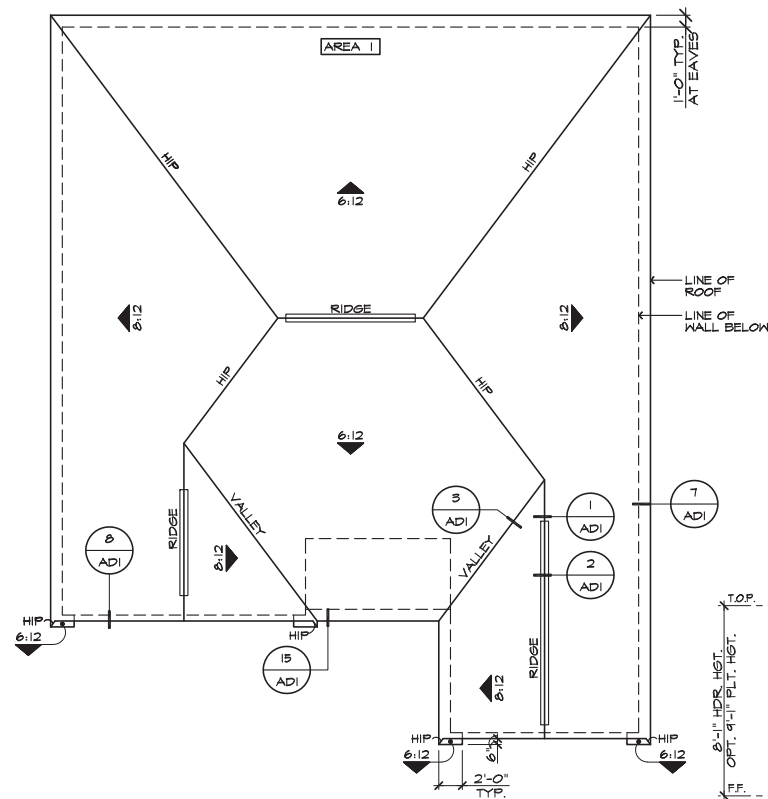


PARTIAL FIRST FLOOR PLAN 'C'

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

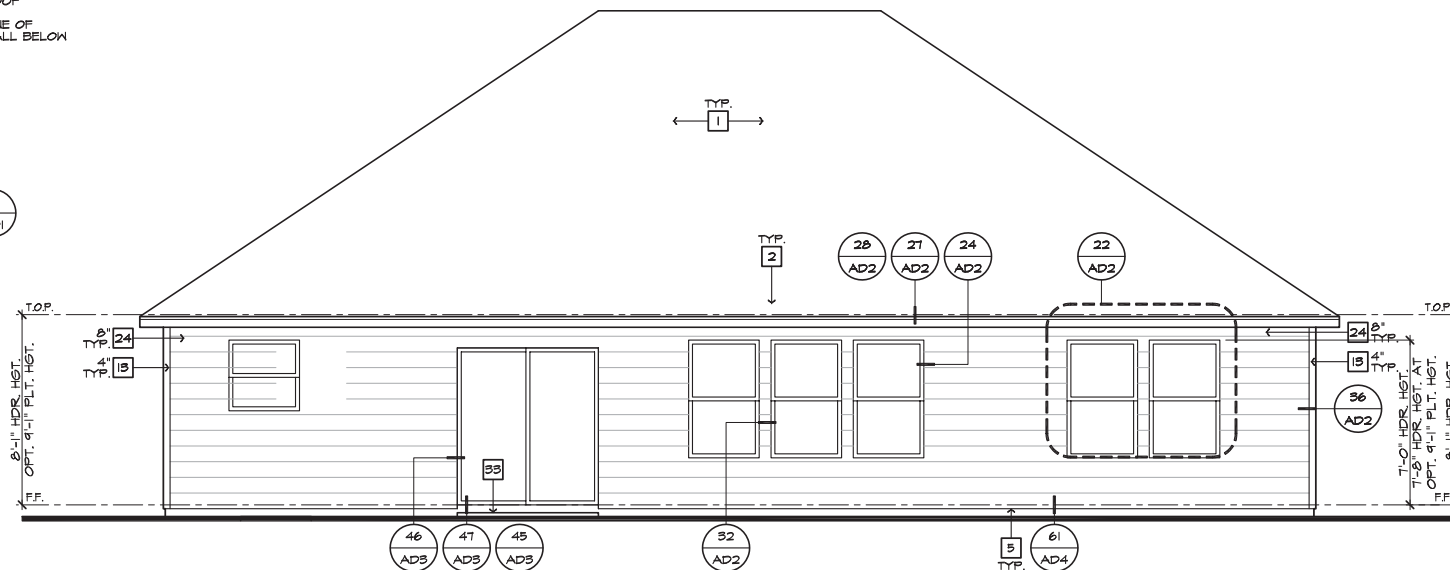
BASIC PLAN

NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE



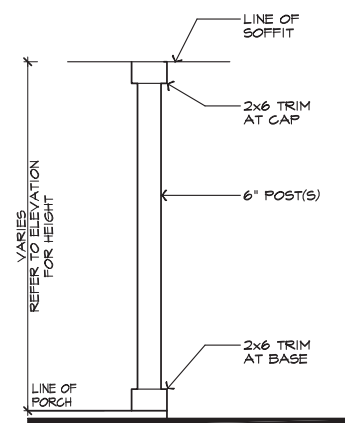
ROOF PLAN 'C'

SCALE 1/8"=1'-0" (22'x34") - 1/16"=1'-0" (11'x17")



REAR ELEVATION 'C'

SCALE 1/4"=1'-0" (22'x34") - 1/8"=1'-0" (11'x17")



DETAIL 'A'

SCALE: N.T.S.

#	ELEVATION NOTES
NOTE: NOT ALL KEY NOTES APPLY.	
1.	ROOF MATERIAL - REFER TO ROOF NOTES
2.	2X FASCIA/BARGE BOARD WITH FASCIA CAP
3.	G.I. FLASHING
4.	G.I. FLASHING & SADDLE/CRICKET
5.	G.I. DRIP SCREED
6.	24"x24" CHIMNEY
7.	DECORATIVE VENT
8.	DECORATIVE CORBEL
9.	DECORATIVE SHUTTERS
10.	PEDIMENT. SEE ELEVATION FOR TYPE
11.	RECESSED ELEMENT
12.	DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
13.	TRIM - SEE ELEVATION FOR SIZE
14.	SYNTHETIC MATERIAL
15.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
16.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
17.	SHAKE SIDING
18.	STONE VENEER PER SPECS
19.	BRICK/MASONRY VENEER PER SPECS
20.	BUILT UP BRICK COLUMN
21.	SOLDIER COURSE
22.	ROWLOCK COURSE
23.	FRIEZE BOARD
24.	SIDING W/ 4" CORNER TRIM PER SPECS
25.	P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
26.	PRE-FAB DECORATIVE TRIM
27.	LIGHT WEIGHT PREGAST STONE TRIM
28.	RAILINGS (36" U.N.O.)
29.	VINYL WRAP
30.	DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.
31.	BRACKET OR KICKER - FYPON OR EQ.
32.	ENTRY DOOR
33.	CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.
34.	SECTIONAL GARAGE DOOR PER SPECS
35.	ALUMINUM WRAP
36.	OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS
37.	OPTIONAL STANDING SEAM METAL ROOF
38.	KEystone
39.	SOLDIER CROWN
40.	JACK SOLDIER COURSE
41.	WATER TABLE
42.	ATRIUM DOOR
43.	PILASTER - SEE ELEVATION FOR TYPE

6:12 INDICATES ROOF SLOPE AND DIRECTION, U.N.O.

ROOF MATERIAL: COMPOSITION SHINGLE
 12" (INCHES) TYPICAL ROOF OVERHANGS AT RAKE, U.N.O.
 12" (INCHES) TYPICAL ROOF OVERHANGS AT EAVE, U.N.O.
 LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.

ATTIC VENT CALCULATIONS

PROVIDE 1 SQ. IN. OF VENTILATION PER 300 SQ. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC. (HIGH VENTINGS) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS. (LOW VENTINGS) (2018 N.C.-R. 806.2) * CALCULATION BY 1/150, HIGH/LOW VENTINGS NOT REQUIRED.

APPROXIMATE RIDGE VENT LOCATIONS SHOWN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.

AREA 1 / MAIN	
VENTILATION REQUIRED:	2620 SQ. FT. / 300 = 8.73 SQ. FT.
ATTIC AREA	X 144 = 1251.6 SQ. IN.
	X 50% = 625.8 SQ. IN.
VENTILATION PROVIDED:	
(36) LIN. FEET OF RIDGE VENT AT (18 SQ. IN./FOOT) =	648 SQ. IN.
(--) 3-144 ROOF VENT(S) AT (144 SQ. IN. EA.) =	---
SUB-TOTAL HIGH VENTILATION:	648 SQ. IN.
(154) LIN. FEET OF VENTILATED SOFFIT (3 SQ. IN./FOOT) =	795 SQ. IN.
TOTAL VENTILATION PROVIDED:	1443 SQ. IN.

NOTES:

ALL VENT OPENINGS SHALL BE COVERED WITH 1/4" CORROSION RESISTANT METAL MESH.

FRAMER SHALL BE RESPONSIBLE FOR COORDINATING WITH TRUSS MANUFACTURER TO ACCOMMODATE ALL ATTIC VENTS.

ALL VENTS SHALL BE INSTALLED SO AS TO MAKE THEM WATER-PROOF & WALL MOUNTED LOUVERS SHALL BE SEALED & FLASHED W/ "MOISTOP" IN THE SAME MANNER PRESCRIBED FOR WINDOW INSTALLATION.

PROVIDE APPROVED INSULATION DAMS (BAFFLES) WHERE VENT BLOCKS ARE USED BETWEEN ROOF FRAMING MEMBERS TO PREVENT VENT HOLES FROM BEING BLOCKED BY INSULATION.

LOCATE HIGH VENTING MINIMUM 3'-0" VERTICAL DISTANCE ABOVE EAVES.

WHEN GABLE END TRUSS MEMBERS BLOCK GABLE END VENTS, PROVIDE ADEQUATE ADDITIONAL VENTILATION BY MEANS OF ROOF TILE VENTS.

2018 NORTH CAROLINA STATE BUILDING CODES

08/09/18

05/07/19

1 DIVISION REVISIONS NCI804INCP / 09/10/18 / CTD

2 2018 CODE UPDATE NCI905INCP / 03/15/19 / CTD

3 DIVISION REVISIONS NCI907INCP / 03/22/19 / CTD

4 COMPLIANCE REVISIONS NCI909INCP / 05/16/19 / FAB

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3.C2

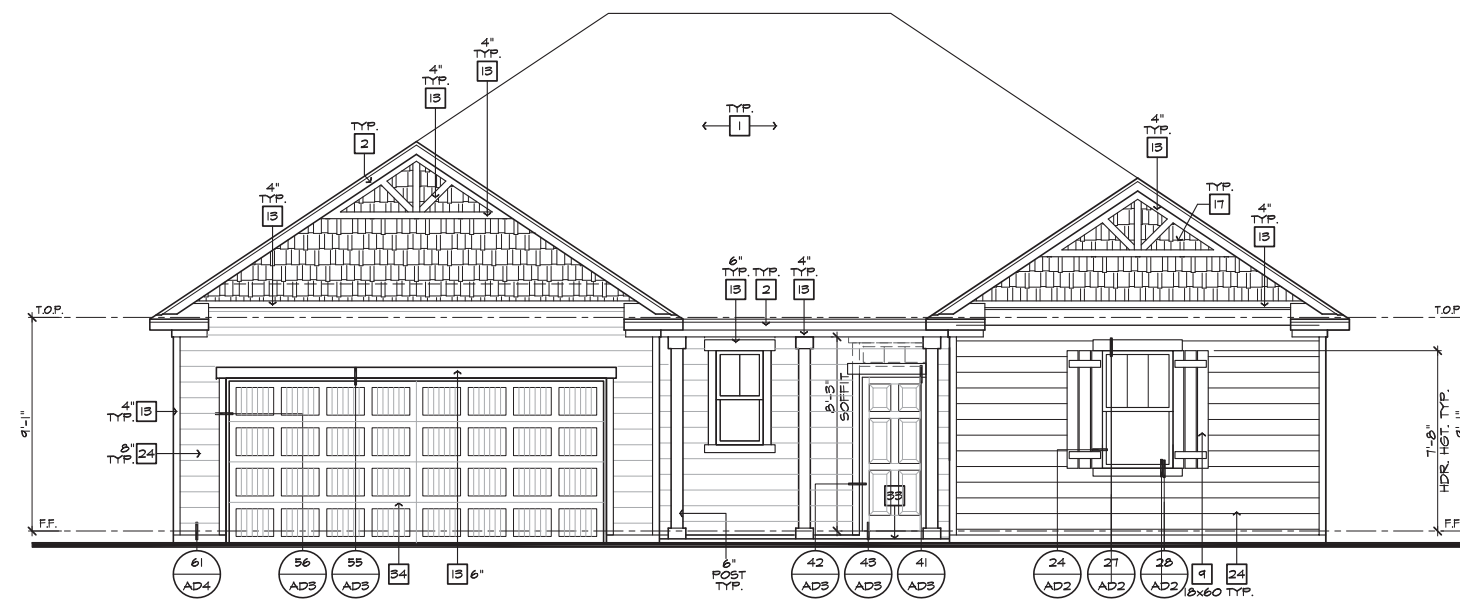
#	ELEVATION NOTES
	NOTE: NOT ALL KEY NOTES APPLY.
1.	ROOF MATERIAL - REFER TO ROOF NOTES
2.	2X FASCIA/BARGE BOARD WITH FASCIA CAP
3.	G.I. FLASHING
4.	G.I. FLASHING & SADDLE/CRICKET
5.	G.I. DRIP SCREED
6.	24"x24" CHIMNEY
7.	DECORATIVE VENT
8.	DECORATIVE CORBEL
9.	DECORATIVE SHUTTERS
10.	PEDIMENT: SEE ELEVATION FOR TYPE
11.	RECESSED ELEMENT
12.	DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
13.	TRIM - SEE ELEVATION FOR SIZE
14.	SYNTHETIC MATERIAL
15.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
16.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
17.	SHAKE SIDING
18.	STONE VENEER PER SPECS
19.	BRICK/MASONRY VENEER PER SPECS
20.	BUILT UP BRICK COLUMN
21.	SOLDIER COURSE
22.	ROWLOCK COURSE
23.	FRIEZE BOARD
24.	SIDING W/ 4" CORNER TRIM PER SPECS
25.	P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
26.	PRE-FAB DECORATIVE TRIM
27.	LIGHT WEIGHT PREGAST STONE TRIM
28.	RAILINGS (36" U.N.O.)
29.	VINYL WRAP
30.	DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.
31.	BRACKET OR KICKER - FYPON OR EQ.
32.	ENTRY DOOR
33.	CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.
34.	SECTIONAL GARAGE DOOR PER SPECS
35.	ALUMINUM WRAP
36.	OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS
37.	OPTIONAL STANDING SEAM METAL ROOF
38.	KEystone
39.	SOLDIER CROWN
40.	JACK SOLDIER COURSE
41.	WATER TABLE
42.	ATRIUM DOOR
43.	PILASTER - SEE ELEVATION FOR TYPE

2018 NORTH
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08/09/18

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- 1 DIVISION REVISIONS
NC18041NCF / 09/10/18 / CTD
- 2 2018 CODE UPDATE
NC19051NCF / 03/15/19 / CTD
- 3 DIVISION REVISIONS
NC19071NCF / 03/22/19 / CTD
- 4 COMPLIANCE REVISIONS
NC19031NCF / 05/16/19 / FAB



FRONT ELEVATION 'C'
AT OPTIONAL 9'-1" PLT. HGT.

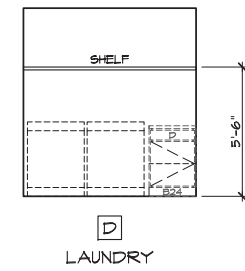
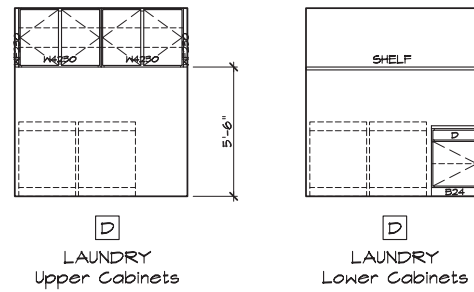
SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

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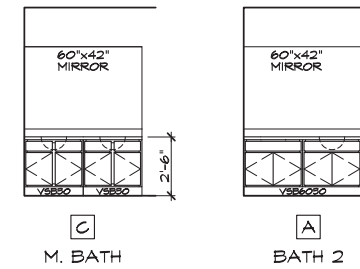
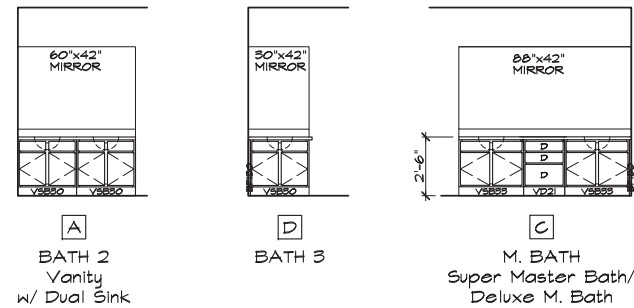
NOTE:
REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE

2018 NORTH
CAROLINA STATE
BUILDING
CODES



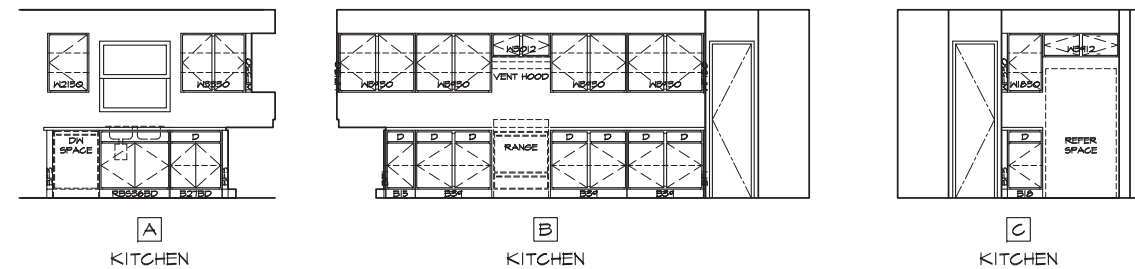
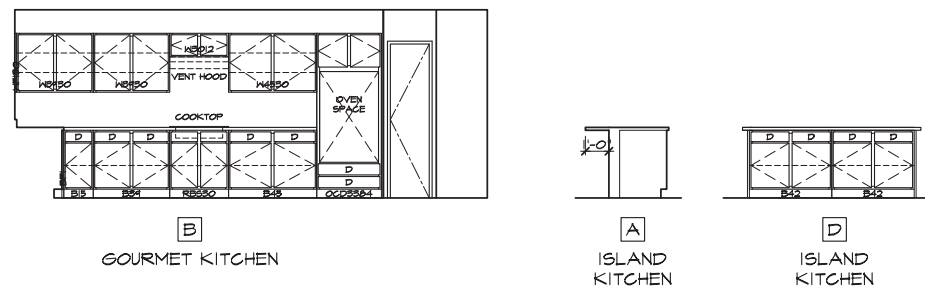
LAUNDRY AND MISCELLANEOUS CABINETS

LAUNDRY CABINETS



BATH CABINETS

BATH CABINETS



KITCHEN CABINETS

KITCHEN CABINETS

OPTIONAL INTERIOR ELEVATIONS

STANDARD INTERIOR ELEVATIONS

SCALE: 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

SCALE: 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

Not a standard drawing. This drawing is for informational purposes only. It is not to be used for construction. For more information, please contact the manufacturer.

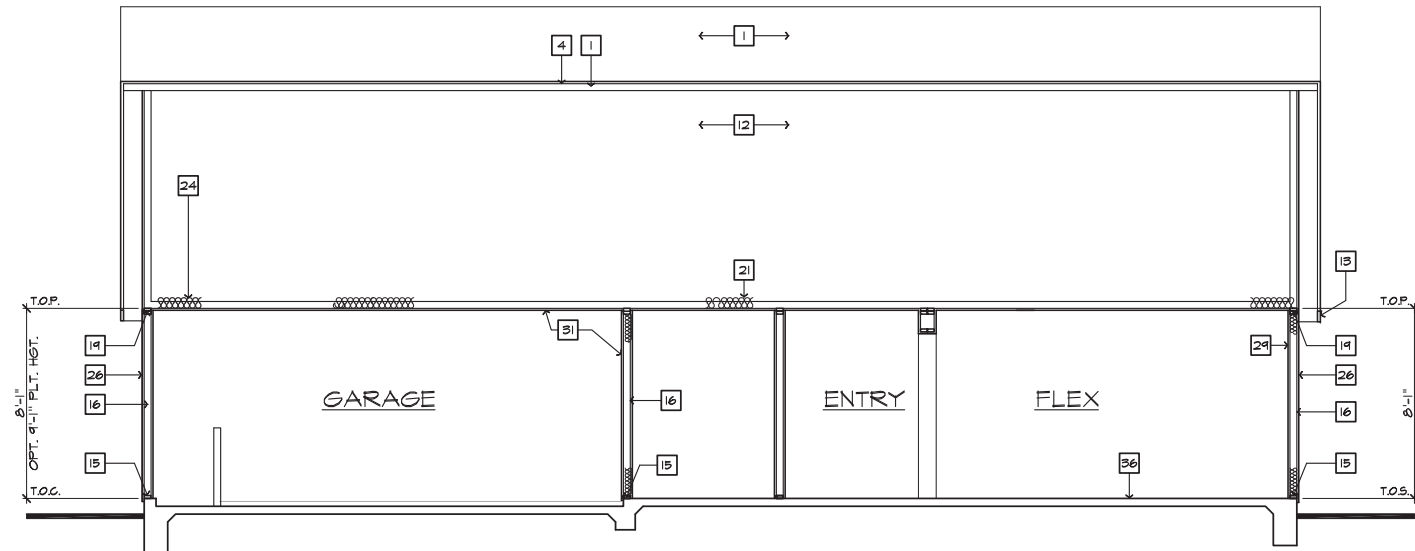
08/09/18

05/07/19

- 1 DIVISION REVISIONS
NC1804INCF - 09/10/18 - CTD
- 2 2018 CODE UPDATE
NC1901SNCF / 03/15/19 / CTD
- 3 DIVISION REVISIONS
NC1907INCF / 03/22/19 / CTD
- 4 COMPLIANCE REVISIONS
NC1903SNCF / 05/16/19 / FAB

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SECTION "A"

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

AT SLAB-ON-GRADE

- SECTION NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
1. ROOF MATERIAL - REFER TO ROOF NOTES
 2. ROOF PITCH - REFER TO ROOF NOTES
 3. PRE-MANUFACTURED WOOD ROOF TRUSS SYSTEM - SEE STRUCTURAL & TRUSS CALCS
 4. ROOF SHEATHING PER STRUCTURAL
 5. 2x FASCIA/BARGE BOARD
 6. CONT. SOFFITED EAVE W/ VENTING
 7. G.I. FLASHING - ROOF TO WALL
 8. EXTERIOR FINISH PER ELEVATIONS
 9. FLOOR FRAMING PER STRUCTURAL
 10. FLOOR SHEATHING PER STRUCTURAL
 11. HEADER PER STRUCTURAL
 12. FLUSH BEAM PER STRUCTURAL
 13. DROPPED BEAM PER STRUCTURAL
 14. FLAT/ ARCHED SOFFIT PER PLAN
 15. 2x4 STUD WALL
 16. 2x6 STUD WALL
 17. 2x6 BALLOON FRAMED WALL PER STRUCTURAL
 18. DBL. 2x4 WALL PER PLAN
 19. 2x CRIPPLES @ 16" O.C.
 20. 2x PRESSURE TREATED SILL PLATE
 21. 2x SOLE PLATE
 22. DBL. 2x TOP PLATE @ EXTERIOR & BEARING WALLS
 23. 1x OVER 2x TOP PLATE @ INTERIOR & NON-BEARING WALLS
 24. INSULATION MATERIAL PER ENERGY CALCULATIONS
 25. MIN. 36" HIGH GUARD - SEE PLAN FOR HEIGHT
 26. LOW WALL - SEE PLAN FOR HEIGHT
 27. STAIR TREADS AND RISERS PER PLAN; - MIN. 10" TREAD & MAX. 7 3/4" RISER
 28. INTERIOR FINISH - MIN. 1/2" GYP. BD. @ WALLS & SAG RESISTANT OR 5/8" DRYWALL @ CEILING
 29. MIN. 1/2" GYP. BD. ON CEILING & WALLS @ USEABLE SPACE UNDER STAIRS.
 30. GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAN 1/2" GYP. BD. @ GARAGE SIDE WALLS & 5/8" UNDER LIVING AREA U.N.O.
 31. MATERIAL TO UNDERSIDE OF ROOF SHEATHING
 32. INTERIOR SHELF - MIN. 1/2" GYP. BD. OVER 3/8" PLY MD.
 33. CONCRETE PATIO/ PORCH SLAB PER STRUCTURAL - SLOPE 1/4" PER FT. MIN.
 34. CONCRETE GARAGE SLAB PER STRUCTURAL - SLOPE 2" MIN.
 35. CONCRETE FOUNDATION PER STRUCTURAL
 36. LINE OF OPTIONAL TRAY CEILING/ STEP CEILING
 37. LINE OF OPTIONAL VOLUME CEILING
 38. PROFILE OF OPTIONAL COVERED PATIO
 39. EXTERIOR SOFFIT MATERIAL - REFER TO ELEVATIONS.
 40. 8" BLOCK WALL
 41. 5/8" TYPE-X DRYWALL @ GARAGE CEILING
 42. WHEN THERE IS USABLE SPACE ABOVE AND BELOW THE CONCEALED SPACE OF A FLOOR-CEILING ASSEMBLY IN A SINGLE-FAMILY DWELLING, DRAFT STOPS SHALL BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED 1,000 SQUARE FEET. DRAFTSTOPPING SHALL DIVIDE THE CONCEALED SPACE INTO APPROXIMATELY EQUAL AREAS.

2018 NORTH CAROLINA STATE BUILDING CODES



SECTION "B"

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

AT SLAB-ON-GRADE

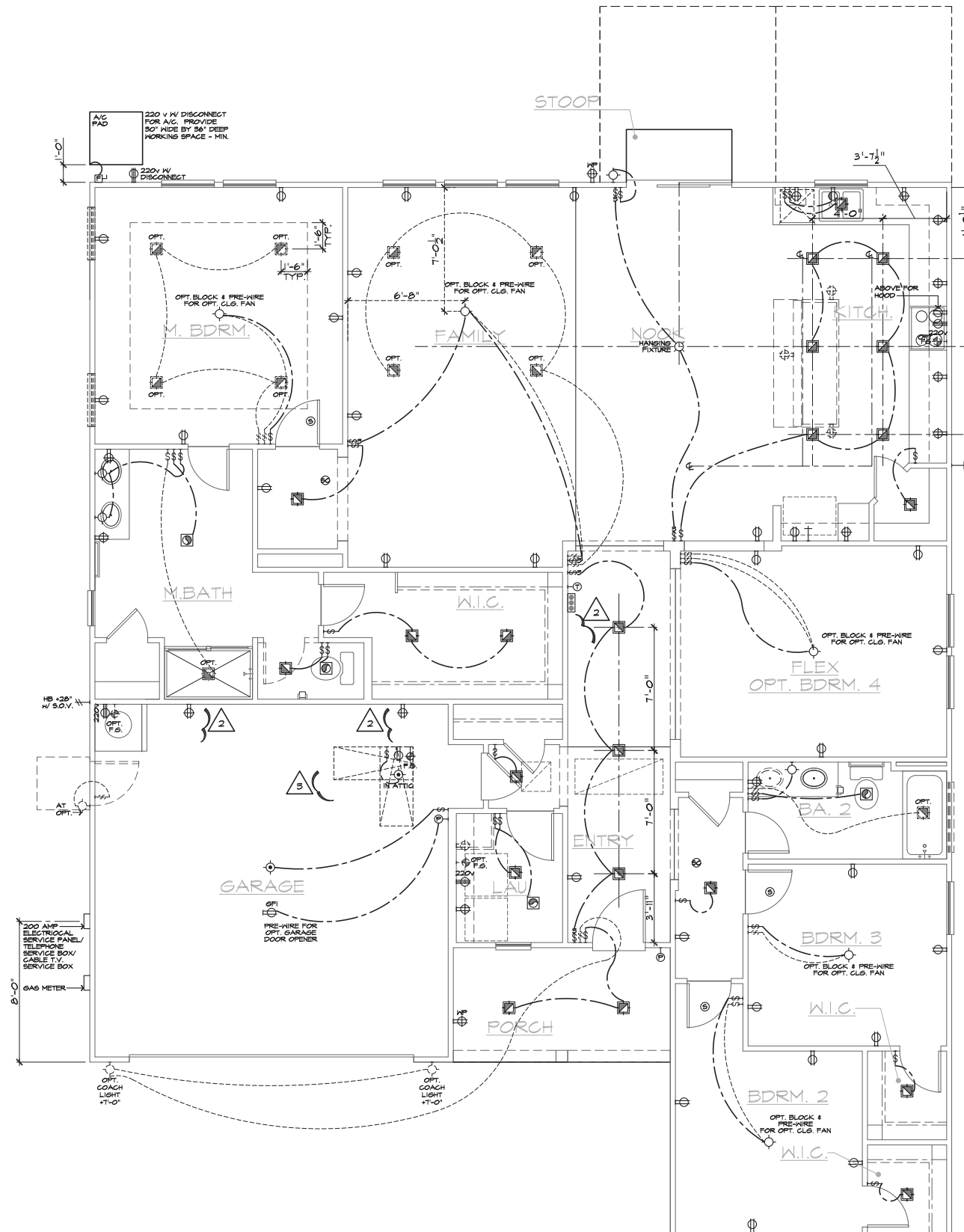
08/09/18

05/07/19

- 1 DIVISION REVISIONS
NC18041NCF / 09/10/18 / CTD
- 2 2018 CODE UPDATE
NC19051NCF / 03/15/19 / CTD
- 3 DIVISION REVISIONS
NC19071NCF / 03/22/19 / CTD
- 4 COMPLIANCE REVISIONS
NC19031NCF / 05/16/19 / FAB

149.2115

4.2



FIRST FLOOR UTILITY PLAN

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

BASIC PLAN

UTILITY LEGEND	
	120V DUPLEX CONVENIENCE RECEPTACLE
	120V (TR) RECEPTACLE W/ GFI CIRCUIT
	120V (TR) RECEPTACLE W/ GFI CIRCUIT W/ WATER RESISTANT HOUSING
	120V (TR) RECEPTACLE W/ GFI CIRCUIT
	FUSED DISCONNECT
	120V (AFCI & TR) RECESSED FLOOR RECEPTACLE W/ COVER
	120V (AFCI & TR) DUPLEX CONVENIENCE RECEPTACLE SWITCH CONTROLLED, 1/2 HOT
	220V SINGLE CONVENIENCE RECEPTACLE HEIGHT NOTED AS PER PLAN
	TWO-POLE LIGHT SWITCH AT 42" ABV. FIN. FLR. 8" ABOVE COUNTER U.N.O.
	THREE-POLE LIGHT SWITCH
	FOUR-POLE LIGHT SWITCH
	W.P. WALL MOUNTED LIGHT FIXTURE W/ WATER RESISTANT HOUSING
	WALL MOUNTED INCANDESCENT LIGHT FIXTURE
	WALL MOUNTED FLUORESCENT LIGHT FIXTURE
	CEILING MOUNTED INCANDESCENT LIGHT FIXTURE
	CEILING MOUNTED FLUORESCENT LIGHT FIXTURE
	HANGING INCANDESCENT LIGHT FIXTURE
	RECESSED INCANDESCENT DIRECTIONAL LIGHT FIXTURE (EYE BALL)
	RECESSED INCANDESCENT LIGHT FIXTURE
	RECESSED INCANDESCENT LIGHTING - TRAVERSE II LED FIXTURE - PER SPECS
	W.P. RECESSED INCANDESCENT LIGHT FIXTURE W/ WATER RESISTANT HOUSING
	RECESSED FLUORESCENT LIGHT FIXTURE
	RECESSED EXHAUST FAN
	RECESSED EXHAUST FAN/ INCANDESCENT LIGHT COMBINATION
	RECESSED EXHAUST FAN/ FLUORESCENT LIGHT COMBINATION
	INCANDESCENT WALL SCONCE
	ILLUMINATED ADDRESS SIGN - VISIBLE FROM STREET
	24"x48" FLUORESCENT LIGHT BOX (CEILING MOUNTED)
	12"x48" FLUORESCENT LIGHT BOX (CEILING MOUNTED)
	OPTIONAL PRE-WIRED CEILING FAN AND SWITCH - LOCATED IN CENTER OF ROOM U.N.O.
	CEILING MOUNTED JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	DOOR CHIME
	CATV RECEPTACLE
	PUSH BUTTON
	PHONE OUTLET
	SERVICE BOX
	HOSE BIB
	HOSE BIB W/ S.O.V.
	WATER STUB FOR ICE MAKER
	APPROVED CEILING MOUNTED SMOKE DETECTOR TO BE HARD WIRED WITH BATTERY BACK-UP AND INTERCONNECTED
	APPROVED CARBON MONOXIDE ALARM/ SMOKE DET.
	THERMOSTAT (VERIFY LOCATION W/ HVAC PLAN)
	GAS TAP
	GAS KEY - FIREPLACE GAS VALVES SHALL BE LOCATED OUTSIDE OF REQUIRED HEARTH AREA, BUT NO MORE THAN 48" FROM GAS OUTLET
	SWITCHING FOR ROOMS W/ CLG. FAN OPTIONS
	24" MIN. SEPARATION OF ELECTRICAL BOXES AS SHOWN BELOW
	DRILLING

2018 NORTH CAROLINA STATE BUILDING CODES

08/09/18
05/07/19

- 1 DIVISION REVISIONS NC1804INCP / 09/10/18 / CTD
- 2 2018 CODE UPDATE NC1905INCP / 03/15/19 / CTD
- 3 DIVISION REVISIONS NC1907NCP / 03/12/19 / CTD
- 4 COMPLIANCE REVISIONS NC1903INCP / 05/16/19 / FAB

149.2115

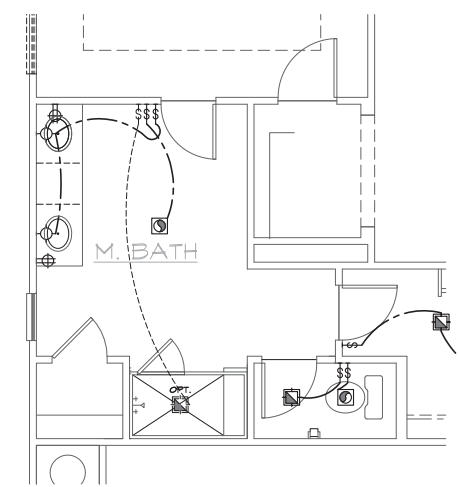
5.1

- NOTES**
- MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS ARE SHOWN FOR INTENT ONLY. THESE SYSTEMS SHALL BE ENGINEERED BY OTHERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND PLACEMENT. ALL HEIGHTS SHOWN ARE TO CENTERLINE OF FIXTURE.
 - PROVIDE SWITCH, LIGHT, 120V (AFCI & TR) DUPLEX RECEPTACLE, & FUEL GAS STUB OR 220V RECEPTACLE IN ATTIC FOR F.A.U. - PER COMMUNITY SPECIFICATIONS.
 - SMOKE DETECTORS IN ROOMS WITH VOLUME CEILINGS TO BE LOCATED AT HIGHEST POINT OF CEILING.
 - 20 FOOT #4 REBAR FOR UFER GROUND AND ADDITIONAL COLD WATER GROUND. REFER TO SLAB INTERFACE PLAN FOR LOCATION.
 - 200 AMP ELECTRICAL PANEL (DEFAULT). ELECTRICAL PLAN CHECK PERMIT REQUIRED IF LOAD EXCEED 400 AMPS.

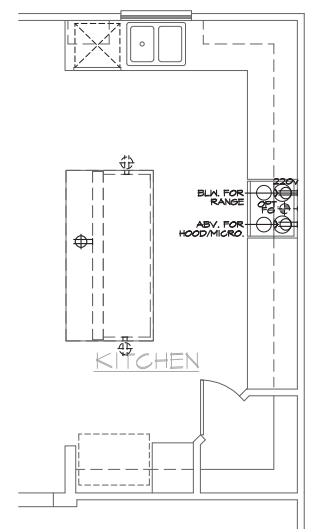
NOTE:
REFER TO BASIC UTILITY PLAN FOR INFORMATION NOT SHOWN HERE

UTILITY LEGEND

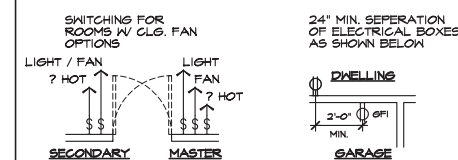
	120V DUPLEX CONVENIENCE RECEPTACLE
	120V (TR) RECEPTACLE W/ GFI CIRCUIT
	120V (TR) RECEPTACLE W/ GFI CIRCUIT W/ WATER RESISTANT HOUSING
	120V (TR) RECEPTACLE W/ GFI CIRCUIT W/ WATER RESISTANT HOUSING
	FUSED DISCONNECT
	120V (AFCI & TR) RECESSED FLOOR RECEPTACLE W/ COVER
	120V (AFCI & TR) DUPLEX CONVENIENCE RECEPTACLE SWITCH CONTROLLED, 1/2 HOT
	220V SINGLE CONVENIENCE RECEPTACLE HEIGHT NOTED AS PER PLAN
	TWO-POLE LIGHT SWITCH AT 42" ABV. FIN. FLR. 8" ABOVE COUNTER U.N.O.
	THREE-POLE LIGHT SWITCH
	FOUR-POLE LIGHT SWITCH
	WALL MOUNTED LIGHT FIXTURE W/ WATER RESISTANT HOUSING
	WALL MOUNTED INCANDESCENT LIGHT FIXTURE
	WALL MOUNTED FLUORESCENT LIGHT FIXTURE
	CEILING MOUNTED INCANDESCENT LIGHT FIXTURE
	CEILING MOUNTED FLUORESCENT LIGHT FIXTURE
	HANGING INCANDESCENT LIGHT FIXTURE
	RECESSED INCANDESCENT DIRECTIONAL LIGHT FIXTURE (EYE BALL)
	RECESSED INCANDESCENT LIGHT FIXTURE
	LIGHTING - TRAVERSE II LED FIXTURE - PER SPECS
	RECESSED INCANDESCENT LIGHT FIXTURE W/ WATER RESISTANT HOUSING
	RECESSED FLUORESCENT LIGHT FIXTURE
	RECESSED EXHAUST FAN
	RECESSED EXHAUST FAN/ INCANDESCENT LIGHT COMBINATION
	RECESSED EXHAUST FAN/ FLUORESCENT LIGHT COMBINATION
	INCANDESCENT WALL SCONCE
	ILLUMINATED ADDRESS SIGN - VISIBLE FROM STREET
	24"x48" FLUORESCENT LIGHT BOX (CEILING MOUNTED)
	12"x48" FLUORESCENT LIGHT BOX (CEILING MOUNTED)
	OPTIONAL PRE-WIRED CEILING FAN AND SWITCH - LOCATED IN CENTER OF ROOM U.N.O.
	CEILING MOUNTED JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	DOOR CHIME
	CATV RECEPTACLE
	FLUSH BUTTON
	PHONE OUTLET
	SERVICE BOX
	HOSE BIB
	HOSE BIB W/ S.O.V.
	WATER STUB FOR ICE MAKER
	APPROVED CEILING MOUNTED SMOKE DETECTOR TO BE HARD WIRED WITH BATTERY BACK-UP AND INTERCONNECTED
	APPROVED CARBON MONOXIDE ALARM/ SMOKE DET.
	THERMOSTAT (VERIFY LOCATION W/ HVAC PLAN)
	GAS TAP
	GAS KEY - FIREPLACE GAS VALVES SHALL BE LOCATED OUTSIDE OF REQUIRED HEARTH AREA, BUT NO MORE THAN 48" FROM GAS OUTLET



DELUXE MASTER BATH
AT MASTER BATH



ISLAND
AT KITCHEN



NOTES

- MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS ARE SHOWN FOR INTENT ONLY. THESE SYSTEMS SHALL BE ENGINEERED BY OTHERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND PLACEMENT. ALL HEIGHTS SHOWN ARE TO CENTERLINE OF FIXTURE.
- PROVIDE SWITCH, LIGHT, 120V (AFCI & TR) DUPLEX RECEPTACLE & FUEL GAS STUB OR 220V RECEPTACLE IN ATTIC FOR F.A.U. - PER COMMUNITY SPECIFICATIONS.
- SMOKE DETECTORS IN ROOMS WITH VOLUME CEILING TO BE LOCATED AT HIGHEST POINT OF CEILING
- 20 FOOT #4 REBAR FOR UFER GROUND AND ADDITIONAL COLD WATER GROUND. REFER TO SLAB INTERFACE PLAN FOR LOCATION.
- 200 AMP ELECTRICAL PANEL (DEFAULT). ELECTRICAL PLAN CHECK PERMIT REQUIRED IF LOAD EXCEED 400 AMPS.

2018 NORTH CAROLINA STATE BUILDING CODES

08/09/18

05/07/19

- 1 DIVISION REVISIONS NC1804INCP / 09/10/18 / CTD
- 2 2018 CODE UPDATE NC1905INCP/ 03/15/19 / CTD
- 3 DIVISION REVISIONS NC1907NCP/ 03/12/19 / CTD
- 4 COMPLIANCE REVISIONS NC1903INCP/ 05/16/19 / FAB

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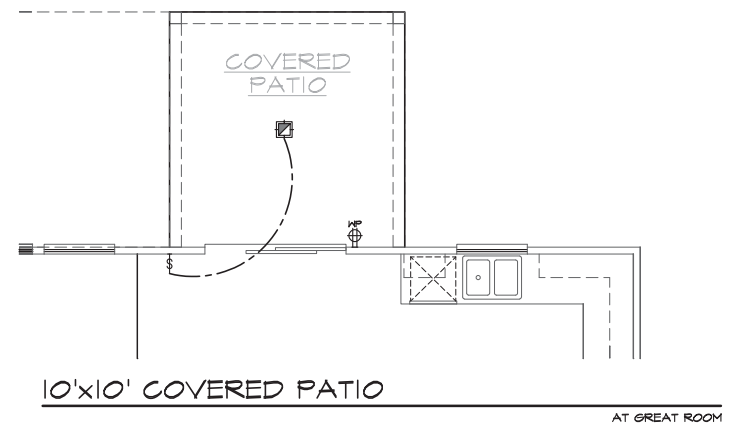
FIRST FLOOR UTILITY PLAN OPTIONS

SCALE 1/4"=1'-0" (22"x34") - 1/8"=1'-0" (11"x17")

NOTE:
REFER TO BASIC UTILITY PLAN FOR INFORMATION NOT SHOWN HERE

UTILITY LEGEND

	120V DUPLEX CONVENIENCE RECEPTACLE ARC FAULT (AFCI) AND TAMPER RESISTANT (TR) 12" ABV. FIN. FLR. TYPICAL U.N.O.
	120V (TR) RECEPTACLE W/ GFI CIRCUIT W/ WATER RESISTANT HOUSING
	120V (TR) RECEPTACLE W/ GFI CIRCUIT
	FUSED DISCONNECT
	120V (AFCI & TR) RECESSED FLOOR RECEPTACLE W/ COVER
	120V (AFCI & TR) DUPLEX CONVENIENCE RECEPTACLE SWITCH CONTROLLED, 1/2 HOT
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	CEILING MOUNTED FLUORESCENT LIGHT FIXTURE
	HANGING INCANDESCENT LIGHT FIXTURE
	RECESSED INCANDESCENT DIRECTIONAL LIGHT FIXTURE (EYE BALL)
	RECESSED INCANDESCENT LIGHT FIXTURE
	LIGHTING - TRAVERSE II LED FIXTURE - PER SPECS
	W.P. RECESSED INCANDESCENT LIGHT FIXTURE W/ WATER RESISTANT HOUSING
	RECESSED FLUORESCENT LIGHT FIXTURE
	RECESSED EXHAUST FAN
	RECESSED EXHAUST FAN/ INCANDESCENT LIGHT COMBINATION
	RECESSED EXHAUST FAN/ FLUORESCENT LIGHT COMBINATION
	INCANDESCENT WALL SCONCE
	ILLUMINATED ADDRESS SIGN - VISIBLE FROM STREET
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	PUSH BUTTON
	PHONE OUTLET
	SERVICE BOX
	HOSE BIB
	HOSE BIB W/ S.O.V.
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	APPROVED CEILING MOUNTED SMOKE DETECTOR TO BE HARD WIRED WITH BATTERY BACK-UP AND INTERCONNECTED
	APPROVED CARBON MONOXIDE ALARM/ SMOKE DET.
	THERMOSTAT (VERIFY LOCATION W/ HVAC PLAN)
	GAS TAP
	GAS KEY - FIREPLACE GAS VALVES SHALL BE LOCATED OUTSIDE OF REQUIRED HEARTH AREA, BUT NO MORE THAN 48" FROM GAS OUTLET
	SWITCHING FOR ROOMS W/ C.L.S. FAN OPTIONS
	24" MIN. SEPARATION OF ELECTRICAL BOXES AS SHOWN BELOW



FIRST FLOOR UTILITY PLAN OPTIONS

SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

- NOTES**
- MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS ARE SHOWN FOR INTENT ONLY. THESE SYSTEMS SHALL BE ENGINEERED BY OTHERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND PLACEMENT. ALL HEIGHTS SHOWN ARE TO CENTERLINE OF FIXTURE.
 - PROVIDE SWITCH, LIGHT, 120V (AFCI & TR) DUPLEX RECEPTACLE, & FUEL GAS STUB OR 220V RECEPTACLE IN ATTIC FOR F.A.U. - PER COMMUNITY SPECIFICATIONS.
 - SMOKE DETECTORS IN ROOMS WITH VOLUME CEILING TO BE LOCATED AT HIGHEST POINT OF CEILING.
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 - 200 AMP ELECTRICAL PANEL (DEFAULT). ELECTRICAL PLAN CHECK PERMIT REQUIRED IF LOAD EXCEED 400 AMPS.

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149.2115

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**NORTH CAROLINA
50' SERIES**

KB HOME
NORTH CAROLINA DIVISION
4506 S. MIAMI BLVD.
SUITE 180
DURHAM, NC 27703
TEL: (919) 768-7980
FAX: (919) 544-2928

**2018 NORTH
CAROLINA STATE
BUILDING
CODES**

ISSUE DATE: 08/09/18
PROJECT No.: 1350999-57
DIVISION MGR.: D.S.
REVISIONS: 05/07/19

- 1 DIVISION REVISIONS
NC1804INCP - 09/10/18 - CTD
- 2 2018 CODE UPDATE
NC1905INCP/ 03/15/19 / CTD
- 3 DIVISION REVISIONS
NC1907INCP/ 03/22/19 / CTD
- 4 COMPLIANCE REVISIONS
NC1905INCP/ 05/16/19 / FAB

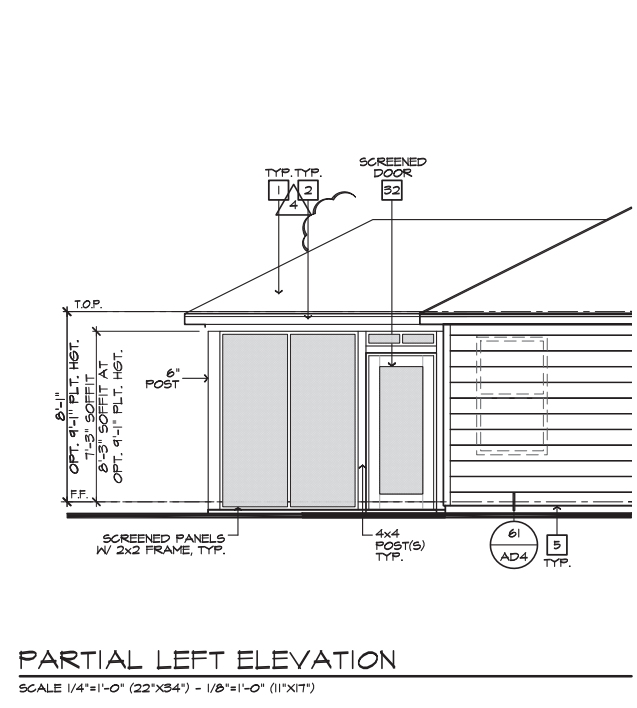
FOR INTERNAL USE ONLY	
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PLAN:
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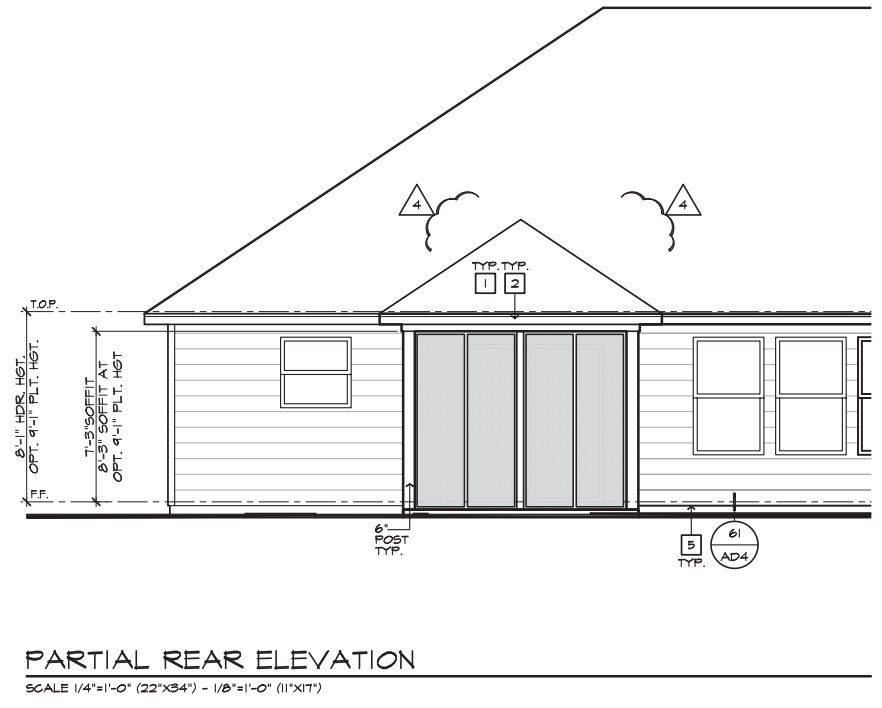
**SPEC. LEVEL 1
RALEIGH-DURHAM
50' SERIES**

- # ELEVATION NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
- ROOF MATERIAL - REFER TO ROOF NOTES
 - 2X FASCIA/BARGE BOARD WITH FASCIA CAP
 - G.I. FLASHING
 - G.I. FLASHING & SADDLE/CRICKET
 - G.I. DRIP SCREED
 - 24"x24" CHIMNEY
 - DECORATIVE VENT
 - DECORATIVE CORBEL
 - DECORATIVE SHUTTERS
 - PEDESTAL. SEE ELEVATION FOR TYPE
 - RECESSED ELEMENT
 - DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
 - TRIM - SEE ELEVATION FOR SIZE
 - SYNTHETIC MATERIAL
 - PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
 - SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
 - SHAKE SIDING
 - STONE VENEER PER SPECS
 - BRICK/MASONRY VENEER PER SPECS
 - BUILT UP BRICK COLUMN
 - SOLDIER COURSE
 - ROWLOCK COURSE
 - FRIEZE BOARD
 - SIDING W/ 4" CORNER TRIM PER SPECS
 - P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
 - PRE-FAB DECORATIVE TRIM
 - LIGHT WEIGHT PRECAST STONE TRIM
 - RAILINGS (36" U.N.O.)
 - VINYL WRAP
 - DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE
 - BRACKET OR KICKER - FYPON OR EQ.
 - ENTRY DOOR
 - CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.
 - SECTIONAL GARAGE DOOR PER SPECS
 - ALUMINUM WRAP
 - OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS
 - OPTIONAL STANDING SEAM METAL ROOF
 - KEystone
 - SOLDIER CROWN
 - JACK SOLDIER COURSE
 - WATER TABLE
 - ATRIUM DOOR
 - FILASTER - SEE ELEVATION FOR TYPE

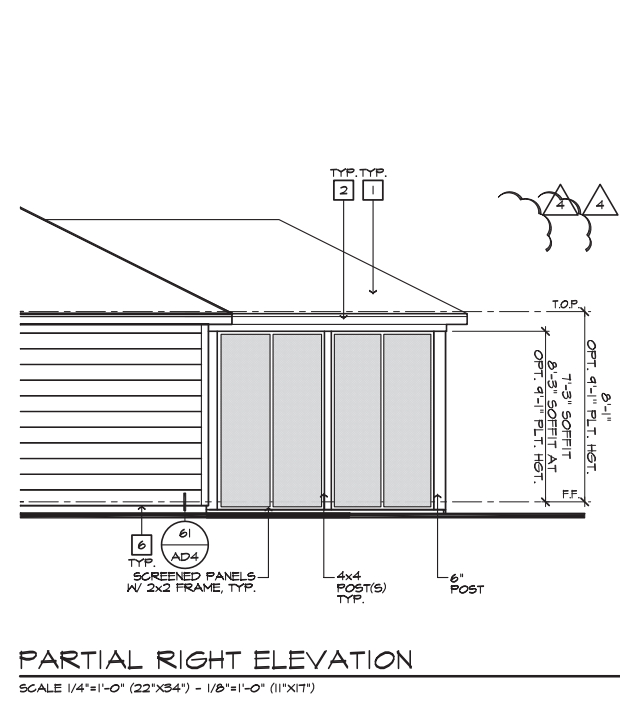
- # PARTIAL PLAN NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
- WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS)
 - WATER HEATER B' VENT TO OUTSIDE AIR
 - MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
 - LINE OF WALL BELOW
 - LINE OF FLOOR ABOVE
 - LINE OF FLOOR BELOW
 - MIN 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS)
 - A/C PAD LOCATION
 - 2x6 STUD WALL
 - DBL 2x4 WALL PER PLAN
 - INTERIOR SHELF - REFER TO PLAN FOR HEIGHT
 - FLAT SOFFIT
 - ARCHED SOFFIT
 - OPT. DOOR/ WINDOW
 - PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
 - BRICK / STONE VENEER - REFER TO ELEVATIONS
 - SECTIONAL GARAGE DOOR PER SPECS
 - 3" DIAM. CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE (NOT REQUIRED AT ELECTRIC WATER HEATERS OR FOR APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL TRAVEL PATH).
 - P.T. POST W/ VINYL WRAP
 - EGRESS WINDOW
 - WINDOW LEDGE - HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOW(S) ON ALL SIDES U.N.O.
 - SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
 - CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SIZE



PARTIAL LEFT ELEVATION
SCALE 1/4"=1'-0" (22'x34') - 1/8"=1'-0" (11'x17')



PARTIAL REAR ELEVATION
SCALE 1/4"=1'-0" (22'x34') - 1/8"=1'-0" (11'x17')



PARTIAL RIGHT ELEVATION
SCALE 1/4"=1'-0" (22'x34') - 1/8"=1'-0" (11'x17')

ROOF PLAN NOTES 'C'

INDICATES ROOF SLOPE AND DIRECTION, U.N.O.
6:12

ROOF MATERIAL: COMPOSITION SHINGLE
12" (INCHES) TYPICAL ROOF OVERHANG AT RAKE, U.N.O.
12" (INCHES) TYPICAL ROOF OVERHANG AT EAVE, U.N.O.
LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARNALL PANELS.

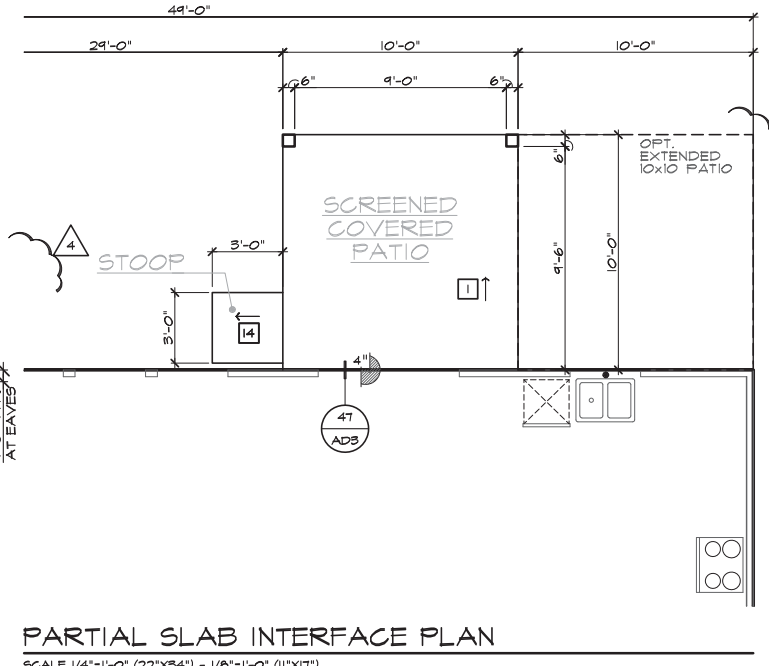
ATTIC VENT CALCULATIONS

PROVIDE 1 SQ. IN. OF VENTILATION PER 500 SQ. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LOW VENTING) (2018 NC-R 806.2)
* CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED.

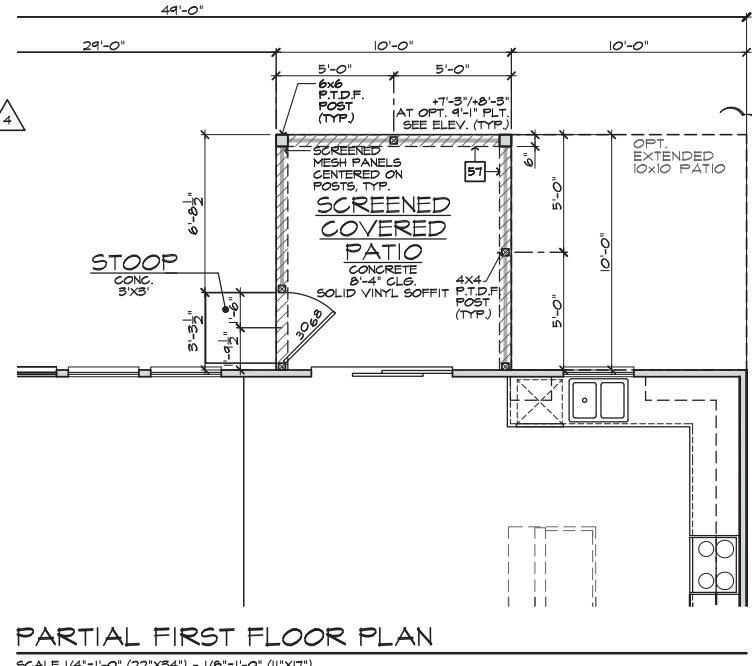
APPROXIMATE RIDGE VENT LOCATIONS SHOWN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.

AREA 1 / MAIN W/ OPTIONAL 10'X10' COVERED PATIO

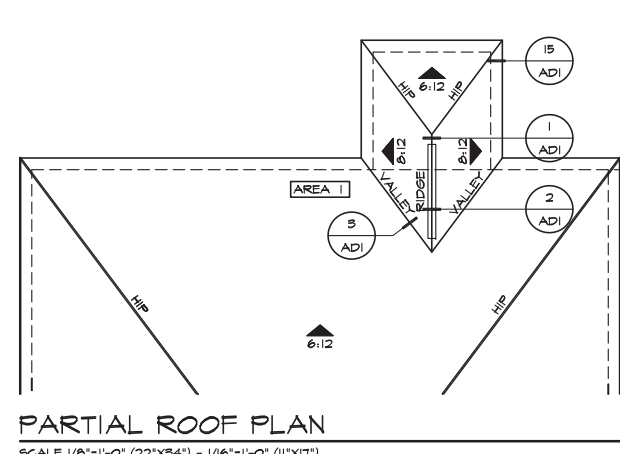
VENTILATION REQUIRED:	2104 SQ. FT. / 500 =	4.01 SQ. FT.
ATTIC AREA	X 144 =	1298 SQ. IN.
	X 50% =	649 SQ. IN.
VENTILATION PROVIDED:		
HIGH		
(37) LIN. FEET OF RIDGE VENT AT (18 SQ. IN./FOOT) =		666 SQ. IN.
(0) 5-144 ROOF VENTS AT (144 SQ. IN. EA) =		0 SQ. IN.
SUB-TOTAL HIGH VENTILATION:		666 SQ. IN.
LOW		
(150) LIN. FEET OF VENTILATED SOFFIT (5 SQ. IN./FOOT) =		650 SQ. IN.
TOTAL VENTILATION PROVIDED:		1316 SQ. IN.



PARTIAL SLAB INTERFACE PLAN
SCALE 1/4"=1'-0" (22'x34') - 1/8"=1'-0" (11'x17')



PARTIAL FIRST FLOOR PLAN
SCALE 1/4"=1'-0" (22'x34') - 1/8"=1'-0" (11'x17')



PARTIAL ROOF PLAN
SCALE 1/8"=1'-0" (22'x34') - 1/16"=1'-0" (11'x17')

10'X10' SCREENED-IN COVERED PATIO 'C'
SCALE 1/4"=1'-0" (22'x34') - 1/8"=1'-0" (11'x17')

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NOTE: ALL CHAPTERS, SECTIONS, TABLES, AND FIGURES CITED WITHOUT A PUBLICATION TITLE ARE FROM THE APPLICABLE RESIDENTIAL CODE (SEE TITLE SHEET).

GENERAL

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. FURTHERMORE, CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, AND SAFETY ON SITE. NOTIFY JDS CONSULTING & DESIGN, PLLC IMMEDIATELY IF DISCREPANCIES ON PLAN EXIST.

2. BRACED-WALL DESIGN IS BASED ON SECTION R602.10 - WALL BRACING. PRIMARY PRESCRIPTIVE METHOD TO BE CS-WSP. SEE WALL BRACING PLANS AND DETAILS FOR ADDITIONAL INFORMATION.

ALL NON-PRESCRIPTIVE SOLUTIONS ARE BASED ON GUIDELINES ESTABLISHED IN THE AMERICAN SOCIETY OF CIVIL ENGINEERS PUBLICATION ASCE 7 AND THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION - SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC.

3. SEISMIC DESIGN SHALL BE PER SECTION R301.2.2 - SEISMIC PROVISIONS, INCLUDING ASSOCIATED TABLES AND FIGURES, BASED ON LOCAL SEISMIC DESIGN CATEGORY.

DESIGN LOADS

ASSUMED SOIL BEARING-CAPACITY	2,000 PSF
	LIVE LOAD
ULTIMATE DESIGN WIND SPEED	115 MPH, EXPOSURE B
GROUND SNOW	15 PSF
ROOF	20 PSF
<u>RESIDENTIAL CODE TABLE R301.5</u>	<u>LIVE LOAD (PSF)</u>
DWELLING UNITS	40
SLEEPING ROOMS	30
ATTICS WITH STORAGE	20
ATTICS WITHOUT STORAGE	10
STAIRS	40
DECKS	40
EXTERIOR BALCONIES	60
PASSENGER VEHICLE GARAGES	50
FIRE ESCAPES	40
GUARDS AND HANDRAILS	200 (pounds, concentrated)

COMPONENT AND CLADDING LOADS, INCLUDING THOSE FOR DOORS AND WINDOWS, SHALL BE DERIVED FROM TABLES R301.2(2) AND R301.2(3) FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 35 FEET, LOCATED IN EXPOSURE B.

ABBREVIATIONS

ABV	ABOVE	KS	KING STUD COLUMN
AFF	ABOVE FINISHED FLOOR	LVL	LAMINATED VENEER LUMBER
ALT	ALTERNATE	MAX	MAXIMUM
BRG	BEARING	MECH	MECHANICAL
BSMT	BASEMENT	MFR	MANUFACTURER
CANT	CANTILEVER	MIN	MINIMUM
CJ	CEILING JOIST	NTS	NOT TO SCALE
CLG	CEILING	OA	OVERALL
CMU	CONCRETE MASONRY UNIT	OC	ON CENTER
CO	CASED OPENING	PT	PRESSURE TREATED
COL	COLUMN	R	RISER
CONC	CONCRETE	REF	REFRIGERATOR
CONT	CONTINUOUS	RFG	ROOFING
D	CLOTHES DRYER	RO	ROUGH OPENING
DBL	DOUBLE	RS	ROOF SUPPORT
DIAM	DIAMETER	SC	STUD COLUMN
DJ	DOUBLE JOIST	SF	SQUARE FOOT (FEET)
DN	DOWN	SH	SHELF / SHELVES
DP	DEEP	SHTG	SHEATHING
DR	DOUBLE RAFTER	SHW	SHOWER
DSP	DOUBLE STUD POCKET	SIM	SIMILAR
EA	EACH	SJ	SINGLE JOIST
EE	EACH END	SP	STUD POCKET
EQ	EQUAL	SPEC'D	SPECIFIED
EX	EXTERIOR	SQ	SQUARE
FAU	FORCED-AIR UNIT	T	TREAD
FDN	FOUNDATION	TEMP	TEMPERED GLASS
FF	FINISHED FLOOR	THK	THICK(NESS)
FLR	FLOOR(ING)	TJ	TRIPLE JOIST
FP	FIREPLACE	TOC	TOP OF CURB / CONCRETE
FTG	FOOTING	TR	TRIPLE RAFTER
HB	HOSE BIBB	TYP	TYPICAL
HDR	HEADER	UNO	UNLESS NOTED OTHERWISE
HGR	HANGER	W	CLOTHES WASHER
JS	JACK STUD COLUMN	WH	WATER HEATER
		WWF	WELDED WIRE FABRIC
		XJ	EXTRA JOIST

MATERIALS

1. INTERIOR / TRIMMED FRAMING LUMBER SHALL BE #2 SPRUCE PINE FIR (SPF) WITH THE FOLLOWING DESIGN PROPERTIES (#2 SOUTHERN YELLOW PINE MAY BE SUBSTITUTED):

Fb = 875 PSI Fv = 70 PSI E = 1.4E6 PSI

2. FRAMING LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND, CONCRETE, OR MASONRY SHALL BE PRESSURE TREATED #2 SOUTHERN YELLOW PINE (SYP) WITH THE FOLLOWING DESIGN PROPERTIES:

Fb = 975 PSI Fv = 95 PSI E = 1.6E6 PSI

3. LVL STRUCTURAL MEMBERS TO BE LAMINATED VENEER LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:

Fb = 2600 PSI Fv = 285 PSI E = 1.9E6 PSI

4. PSL STRUCTURAL MEMBERS TO BE PARALLEL STRAND LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:

Fb = 2900 PSI Fv = 290 PSI E = 2.0E6 PSI

5. LSL STRUCTURAL MEMBERS TO BE LAMINATED STRAND LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:

Fb = 2250 PSI Fv = 400 PSI E = 1.55E6 PSI

6. STRUCTURAL STEEL WIDE-FLANGE BEAMS SHALL CONFORM TO ASTM A992. Fy = 50 KSI

7. REBAR SHALL BE DEFORMED STEEL CONFORMING TO ASTM A615, GRADE 60.

8. POURED CONCRETE COMPRESSIVE STRENGTH TO BE A MINIMUM 3,000 PSI AT 28 DAYS. MATERIALS USED TO PRODUCE CONCRETE SHALL COMPLY WITH THE APPLICABLE STANDARDS LISTED IN AMERICAN CONCRETE INSTITUTE STANDARD ACI 318 OR ASTM C1157.

9. CONCRETE SUBJECT TO MODERATE OR SEVERE WEATHERING PROBABILITY PER TABLE R301.2(1) SHALL BE AIR-ENTRAINED WHEN REQUIRED BY TABLE R402.2.

10. CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE PUBLICATION 530: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES AND COMPANION COMMENTARIES AND THE MASONRY SOCIETY PUBLICATION TMS 402/602: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES.

11. MORTAR SHALL COMPLY WITH ASTM INTERNATIONAL STANDARD C270.

12. INDICATED MODEL NUMBERS FOR ALL METAL HANGERS, STRAPS, FRAMING CONNECTORS, AND HOLD-DOWNS ARE SIMPSON STRONG-TIE BRAND. EQUIVALENT USP BRAND PRODUCTS ARE ACCEPTABLE.

13. REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES.

FOUNDATION

1. MINIMUM ALLOWABLE SOIL BEARING CAPACITY IS ASSUMED TO BE 2,000 PSF. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SOIL BEARING CAPACITY IF UNSATISFACTORY CONDITIONS EXIST.

2. CONCRETE FOUNDATION WALLS TO BE SELECTED AND CONSTRUCTED PER SECTION R404 OR AMERICAN CONCRETE INSTITUTE STANDARD ACI 318.

3. MASONRY FOUNDATION WALLS TO BE SELECTED AND CONSTRUCTED PER SECTION R404 AND/OR AMERICAN CONCRETE INSTITUTE PUBLICATION 530: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES AND COMPANION COMMENTARIES AND/OR THE MASONRY SOCIETY PUBLICATION TMS 402/602: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES.

4. CONCRETE WALL HORIZONTAL REINFORCEMENT TO BE PER TABLE R404.1.2(1) OR AS NOTED OR DETAILED. CONCRETE WALL VERTICAL REINFORCEMENT TO BE PER TABLES R404.1.2(3 AND 4) OR AS NOTED OR DETAILED. ALL CONCRETE WALLS SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 6.

- A. TABLES ASSUME THAT WALLS HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM.
- B. FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER SECTION R405.

5. PLAIN-MASONRY WALL DESIGN TO BE PER TABLE R404.1.1(1) OR AS NOTED OR DETAILED. MASONRY WALLS WITH VERTICAL REINFORCEMENT TO BE PER TABLES R404.1.1 (2 THROUGH 4) OR AS NOTED OR DETAILED. ALL MASONRY WALLS SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 6.

- A. TABLES ASSUME THAT WALLS HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM.
- B. WALL REINFORCING SHALL BE PLACED ACCORDING TO FOOTNOTE (c) OF THE TABLES (REINFORCING IS NOT CENTERED IN WALL).
- C. FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER SECTION R405.

6. WOOD SILL PLATES TO BE ANCHORED TO THE FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS WITH MINIMUM 7" EMBEDMENT, SPACED A MAXIMUM OF 6'-0" OC AND WITHIN 12" FROM THE ENDS OF EACH PLATE SECTION. INSTALL MINIMUM (2) ANCHOR BOLTS PER SECTION. SEE SECTION R403.1.6 FOR SPECIFIC CONDITIONS.

7. THE UNSUPPORTED HEIGHT OF SOLID MASONRY PIERS SHALL NOT EXCEED TEN TIMES THEIR LEAST DIMENSION. UNFILLED, HOLLOW PIERS MAY BE USED IF THE UNSUPPORTED HEIGHT IS NOT MORE THAN FOUR TIMES THEIR LEAST DIMENSION.

8. CENTERS OF PIERS TO BEAR IN THE MIDDLE THIRD OF THE FOOTINGS, AND GIRDEES SHALL CENTER IN THE MIDDLE THIRD OF THE PIERS.

9. ALL FOOTINGS TO HAVE MINIMUM 2" PROJECTION ON EACH SIDE OF FOUNDATION WALLS (SEE DETAILS).

10. ALL REBAR NOTED IN CONCRETE TO HAVE AT LEAST 2" COVER FROM EDGE OF CONCRETE TO EDGE OF REBAR.

11. FRAMING TO BE FLUSH WITH FOUNDATION WALLS.

12. WITH CLASS 1 SOILS, VAPOR BARRIER AND CRUSHED STONE MAY BE OMITTED.

FRAMING

1. ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTED W/ MIN (1) JACK STUD AND (1) KING STUD EACH END, UNO.

2. ALL NON-BEARING HEADERS TO BE (2) 2x4, UNO.

3. NON-BEARING INTERIOR WALLS NOT MORE THAN 10' NOMINAL HEIGHT AND NOT SHOWN AS BRACED WALLS MAY BE FRAMED WITH 2x4 STUDS @ 24" OC.

4. SOLID BLOCKING TO BE PROVIDED AT ALL POINT LOADS THROUGH FLOOR LEVELS TO THE FOUNDATION OR TO OTHER STRUCTURAL COMPONENTS.

5. ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION.

6. ALL EXTERIOR WALLS TO BE FULLY SHEATHED WITH 7/16" OSB.

7. PORCH / PATIO COLUMNS TO BE 4x4 MINIMUM PRESSURE-TREATED LUMBER.

- A. ATTACH PORCH COLUMNS TO SLAB / FDN WALL USING ABA, ABU, ABW, OR CPT SIMPSON POST BASES TO FIT COLUMN SIZES NOTED ON PLAN -OR- ANY OTHER COLUMN CONNECTION WITH 500# UPLIFT CAPACITY.
- B. ATTACH PORCH COLUMNS TO PORCH BEAMS USING AC OR BC SIMPSON POST CAPS TO FIT COLUMN SIZES NOTED ON PLAN -OR- ANY OTHER COLUMN CONNECTION WITH 500# UPLIFT CAPACITY.
- C. TRIM OUT COLUMN(S) AND BEAM(S) PER BUILDER AND DETAILS.

8. ALL ENGINEERED WOOD PRODUCTS (LVL, PSL, LSL, ETC.) SHALL BE INSTALLED WITH CONNECTIONS PER MANUFACTURER SPECIFICATIONS.

9. ENGINEERED WOOD FLOOR SYSTEMS AND ROOF TRUSS SYSTEMS:

- A. SHOP DRAWINGS FOR THE SYSTEMS SHALL BE PROVIDED TO THE ENGINEER OF RECORD FOR REVIEW AND COORDINATION BEFORE CONSTRUCTION.
- B. TRUSS PROFILES SHALL BE SEALED BY THE TRUSS MANUFACTURER.
- C. INSTALLATION OF THE SYSTEMS SHALL BE PER MANUFACTURER'S INSTRUCTIONS.
- D. TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN IN THESE DRAWINGS.

10. ALL BEAMS TO BE CONTINUOUSLY SUPPORTED Laterally AND SHALL BEAR FULL WIDTH ON THE SUPPORTING WALLS OR COLUMNS INDICATED, WITH A MINIMUM OF THREE STUDS, UNO.

11. ALL STEEL BEAMS TO BE SUPPORTED AT EACH END WITH A MIN BEARING LENGTH OF 3 1/2" AND FULL FLANGE WIDTH. BEAMS MUST BE ATTACHED AT EACH END WITH A MINIMUM OF FOUR 16d NAILS OR TWO 1/2" x 4" LAG SCREWS, UNO.

12. STEEL FLITCH BEAMS TO BE BOLTED TOGETHER USING (2) ROWS OF 1/2" DIAMETER BOLTS (ASTM 307) WITH WASHERS PLACED UNDER THE THREADED END OF THE BOLT. BOLTS TO BE SPACED AT 24" OC (MAX) AND STAGGERED TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH TWO BOLTS TO BE LOCATED AT 6" FROM EACH END OF FLITCH BEAM.

13. WHEN A 4-PLY LVL BEAM IS USED, ATTACH WITH (1) 1/2" DIAMETER BOLT, 12" OC, STAGGERED TOP AND BOTTOM, 1 1/2" MIN FROM ENDS. ALTERNATE EQUIVALENT ATTACHMENT METHOD MAY BE USED, SUCH AS SDS, SDW, OR TRUSSLOK SCREWS (SEE MANUFACTURER SPECIFICATIONS).

14. FOR STUD COLUMNS OF 4-OR-MORE STUDS, INSTALL SIMPSON STRONG-TIE CS16 STRAPS ACROSS STUDS @ 30" OC, 6" MAX FROM PLATES, ON INSIDE FACE OF COLUMN (EXTERIOR WALL), ON BOTH FACES OF COLUMN (INTERIOR WALL).

15. FLOOR JOISTS ADJACENT AND PARALLEL TO THE EXTERIOR FOUNDATION WALL SHALL BE PROVIDED WITH FULL-DEPTH SOLID BLOCKING, NOT LESS THAN TWO (2) INCHES NOMINAL IN THICKNESS, PLACED PERPENDICULAR TO THE JOIST AT SPACING NOT MORE THAN FOUR (4) FEET. THE BLOCKING SHALL BE NAILED TO THE FLOOR SHEATHING, THE SILL PLATE, THE JOIST, AND THE EXTERIOR RIM JOIST / BOARD.

16. BRACED WALL PANELS SHALL BE FASTENED TO MEET THE UPLIFT-RESISTANCE REQUIREMENTS IN CHAPTERS 6 AND 8 OF THE APPLICABLE CODE (SEE TITLE SHEET). REQUIREMENTS OF THE STRUCTURAL DRAWINGS THAT EXCEED THE CODE MINIMUM SHALL BE MET.



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PLAN:
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GENERAL NOTES

GN1.0

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FASTENER SCHEDULE		
CONNECTION	3" x 0.131" NAIL	3" x 0.120" NAIL
JOIST TO SILL PLATE	(4) TOE NAILS	(4) TOE NAILS
SOLE PLATE TO JOIST / BLOCKING	NAILS @ 8" OC (typical) (4) PER 16" SPACE (at braced panels)	NAILS @ 8" OC (typical) (4) PER 16" SPACE (at braced panels)
STUD TO SOLE PLATE	(4) TOE NAILS	(4) TOE NAILS
TOP OR SOLE PLATE TO STUD	(3) FACE NAILS	(4) FACE NAILS
RIM JOIST OR BAND JOIST TO TOP PLATE OR SILL PLATE	TOE NAILS @ 6" OC	TOE NAILS @ 4" OC
BLOCKING BETWEEN JOISTS TO TOP PLATE OR SILL PLATE	(4) TOE NAILS	(4) TOE NAILS
DOUBLE STUD	NAILS @ 8" OC	NAILS @ 8" OC
DOUBLE TOP PLATES	NAILS @ 12" OC	NAILS @ 12" OC
DOUBLE TOP PLATES LAP (24" MIN LAP LENGTH)	(12) NAILS IN LAPPED AREA, EA SIDE OF JOINT	(12) NAILS IN LAPPED AREA, EA SIDE OF JOINT
TOP PLATE LAP AT CORNERS AND INTERSECTING WALLS	(3) FACE NAILS	(3) FACE NAILS
OPEN-WEB TRUSS BOTTOM CHORD TO TOP PLATES OR SILL PLATE (PARALLEL TO WALL)	NAILS @ 6" OC	NAILS @ 4" OC
BOTTOM CHORD OF TRUSS TO TOP PLATES OR SILL PLATE (PERPENDICULAR TO WALL)	(3) TOE NAILS	(3) TOE NAILS

SEE TABLE R602.3(1) FOR ADDITIONAL STRUCTURAL-MEMBER FASTENING REQUIREMENTS.

DETAILS AND NOTES ON DRAWINGS GOVERN.


BALLOON WALL FRAMING SCHEDULE
(USE THESE STANDARDS UNLESS NOTED OTHERWISE ON THE FRAMING PLAN SHEETS)

FRAMING MEMBER SIZE	MAX HEIGHT (PLATE TO PLATE) 115 MPH ULTIMATE DESIGN WIND SPEED
2x4 @ 16" OC	10'-0"
2x4 @ 12" OC	12'-0"
2x6 @ 16" OC	15'-0"
2x6 @ 12" OC	17'-9"
2x8 @ 16" OC	19'-0"
2x8 @ 12" OC	22'-0"
(2) 2x4 @ 16" OC	14'-6"
(2) 2x4 @ 12" OC	17'-0"
(2) 2x6 @ 16" OC	21'-6"
(2) 2x6 @ 12" OC	25'-0"
(2) 2x8 @ 16" OC	27'-0"
(2) 2x8 @ 12" OC	31'-0"


- ALL HEIGHTS ARE MEASURED SUBFLOOR TO TOP OF WALL PLATE.
- WHEN SPLIT-FRAMED WALLS ARE USED FOR HEIGHTS OVER 12', THE CONTRACTOR SHALL ADD 6' MINIMUM OF CS16 COIL STRAPPING (FULLY NAILED), CENTERED OVER THE WALL BREAK.
- FINGER-JOINTED MEMBERS MAY BE USED FOR CONTINUOUS HEIGHTS WHERE TRADITIONALLY MILLED LUMBER LENGTHS ARE LIMITED.
- FOR GREATER WIND SPEED, SEE ENGINEERED SOLUTION FOR CONDITION IN DRAWINGS.

ROOF SYSTEMS

TRUSSED ROOF - STRUCTURAL NOTES

- PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
-  DENOTES OVER-FRAMED AREA
- MINIMUM 7/16" OSB ROOF SHEATHING
- TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN. TRUSS PROFILES SHALL BE SEALED BY THE TRUSS MANUFACTURER. TRUSS PLANS TO BE COORDINATED WITH THE SEALED STRUCTURAL DRAWINGS. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTION.
- PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH TRUSS-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.
- UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.

STICK-FRAMED ROOF - STRUCTURAL NOTES

- PROVIDE 2x4 COLLAR TIES AT 48" OC AT UPPER THIRD OF RAFTERS, UNLESS NOTED OTHERWISE.
- FUR RIDGES FOR FULL RAFTER CONTACT.
- PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
-  DENOTES OVER-FRAMED AREA
- MINIMUM 7/16" OSB ROOF SHEATHING
- PROVIDE 2x4 RAFTER TIES AT 16" OC AT 45° BETWEEN RAFTERS AND CEILING JOISTS. USE (4) 16d NAILS AT EACH CONNECTION. RAFTER TIES MAY BE SPACED AT 48" OC AT LOCATIONS WHERE NO KNEE WALLS ARE INSTALLED.
- PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH RAFTER-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.
- UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.

BRICK VENEER LINTEL SCHEDULE		
SPAN	STEEL ANGLE SIZE	END BEARING LENGTH
UP TO 42"	L3-1/2"x3-1/2"x1/4"	8" (MIN. @ EACH END)
UP TO 72"	L6"x4"x5/16" (LLV)	8" (MIN. @ EACH END)
OVER 72"	L6"x4"x5/16" (LLV) ATTACH LINTEL w/ 1/2" THRU BOLT @ 12" OC, 3" FROM EACH END	

* FOR QUEEN BRICK: LINTELS AT THIS CONDITION MAY BE 5"x3-1/2"x5/16"

NOTE: BRICK LINTELS AT SLOPED AREAS TO BE 4"x3-1/2"x1/4" STEEL ANGLE WITH 16D NAILS IN 3/16" HOLES IN 4" ANGLE LEG AT 12" OC TO TRIPLE RAFTER. WHEN THE SLOPE EXCEEDS 4:12 A MINIMUM OF 3"x3"x1/4" PLATES SHALL BE WELDED AT 24" OC ALONG THE STEEL ANGLE.



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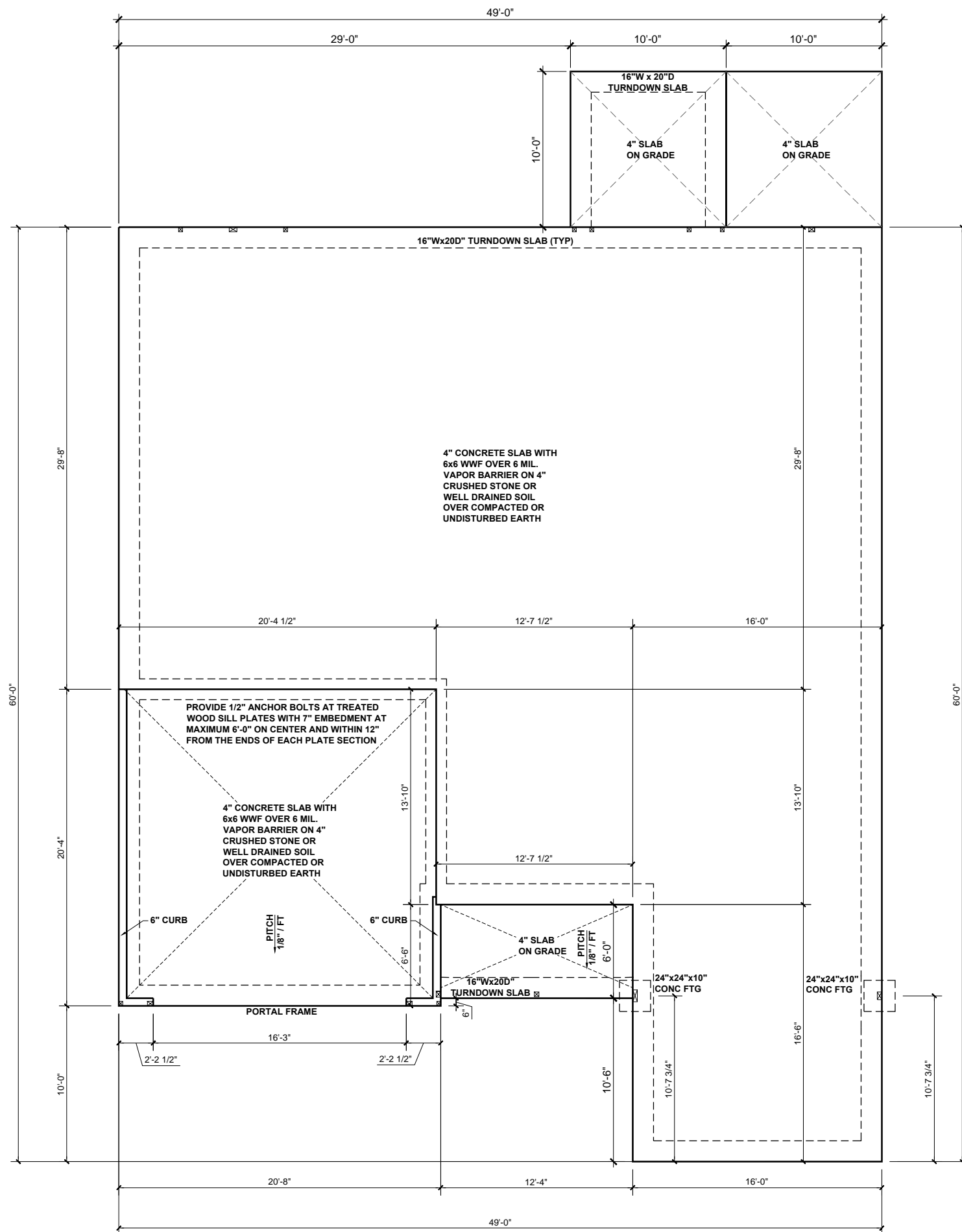
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BEAM & POINT LOAD LEGEND	
	INTERIOR LOAD BEARING WALL
	ROOF RAFTER / TRUSS SUPPORT
	DOUBLE RAFTER / DOUBLE JOIST
	STRUCTURAL BEAM / GIRDER
	WINDOW / DOOR HEADER
	POINT LOAD TRANSFER
	POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

(1) #5 REBAR @ CENTER OFF ALL PERIMETER AND INTERNAL LOAD BEARING FOOTINGS. (2" C.C. MIN)



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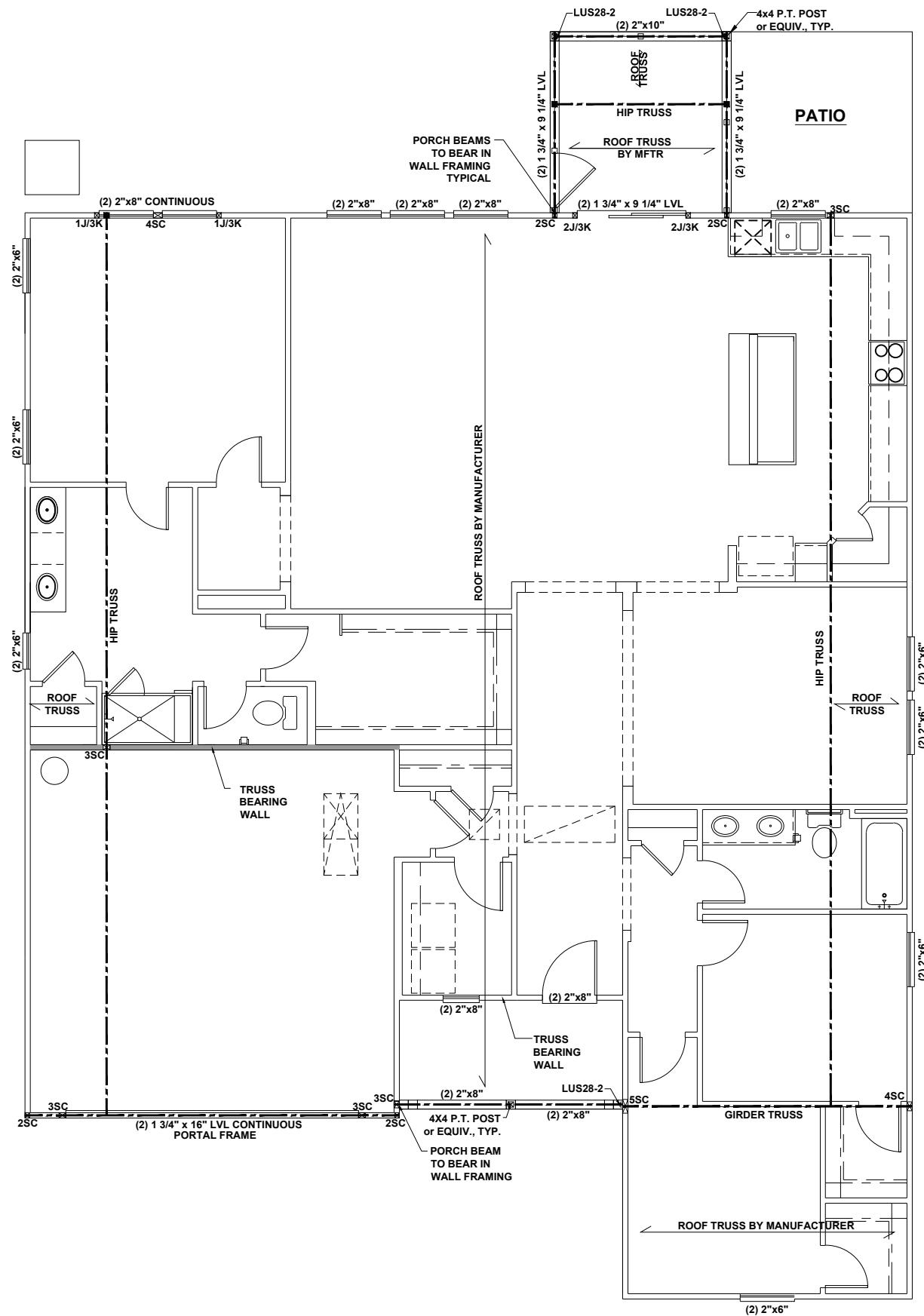
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**SLAB FOUNDATION
PLAN - 'C'**
SCALE: 1/8"=1'-0"

SLAB
FOUNDATION PLAN
S.10C

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BEAM & POINT LOAD LEGEND

	INTERIOR LOAD BEARING WALL
	ROOF RAFTER / TRUSS SUPPORT
	DOUBLE RAFTER / DOUBLE JOIST
	STRUCTURAL BEAM / GIRDER
	WINDOW / DOOR HEADER
	POINT LOAD TRANSFER
	POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

- STRUCTURAL FRAMING NOTES - (SEE GENERAL NOTES SHEET FOR ADDITIONAL REQUIREMENTS.)**
- ALL FRAMING TO BE #2 SPF MINIMUM.
 - ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTED w/ MIN (1) JACK AND (1) KING EACH END, UNO.
 - EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.
 - ALL NON-BEARING HEADERS TO BE (2) 2x4 (1) J / (1) K, UNO.
 - PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
 - ALL HANGERS AND CONNECTORS SPECIFIED ARE TO BE SIMPSON STRONG-TIE OR EQUIVALENT.
 - ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION. MINIMUM BEAM SUPPORT IS (1) 2x4 STUD.
 - ALL EXTERIOR WALLS TO BE FULLY SHEATHED WITH 7/16" OSB.
 - FRONT PORCH COLUMNS TO BE MIN 4x4 PT ATTACHED AT TOP AND BOTTOM USING SIMPSON (OR EQUIV) COLUMN BASE OR SST A24 BRACKETS. TRIM OUT PER BUILDER.
 - PORCH COLUMNS TO BE MIN 4x4 PT ATTACHED AT BOTTOM USING SIMPSON (OR EQUIV) ABA44 AND AT TOP USING CS 16 STRAPPING (12" MIN) TO PORCH HEADER / BAND.
 - WHEN A 4-PLY LVL IS USED, ATTACH WITH (1) 1/2" Ø BOLT 12" OC STAGGERED, TOP AND BOTTOM, 1-1/2" MIN FROM ENDS. ALTERNATE ATTACHMENT EQUIVALENT METHOD MAY BE USED, SUCH AS SDW OR TRUSSLOK SCREWS (SEE MANUFACTURER'S SPECIFICATIONS).
 - FOR STUD COLUMNS OF 4 OR MORE, INSTALL SST CS16 STRAPS @ 30" OC, 6" MAX FROM PLATES, ON INSIDE FACE OF COLUMN (EXTERIOR WALL), ON BOTH FACES OF COLUMN (INTERIOR WALL).

ALL FLUSH BEAMS TO BE DIRECTLY SUPPORTED BY (2) 2X STUDS UNLESS OTHERWISE NOTED. STUD COLUMNS TO BE SUPPORTED BY SOLID BLOCKING TO FOUNDATION OR TO BEARING COMPONENT BELOW.

FIRST FLOOR CEILING FRAMING PLAN - 'C'
 SCALE: 1/8"=1'-0"



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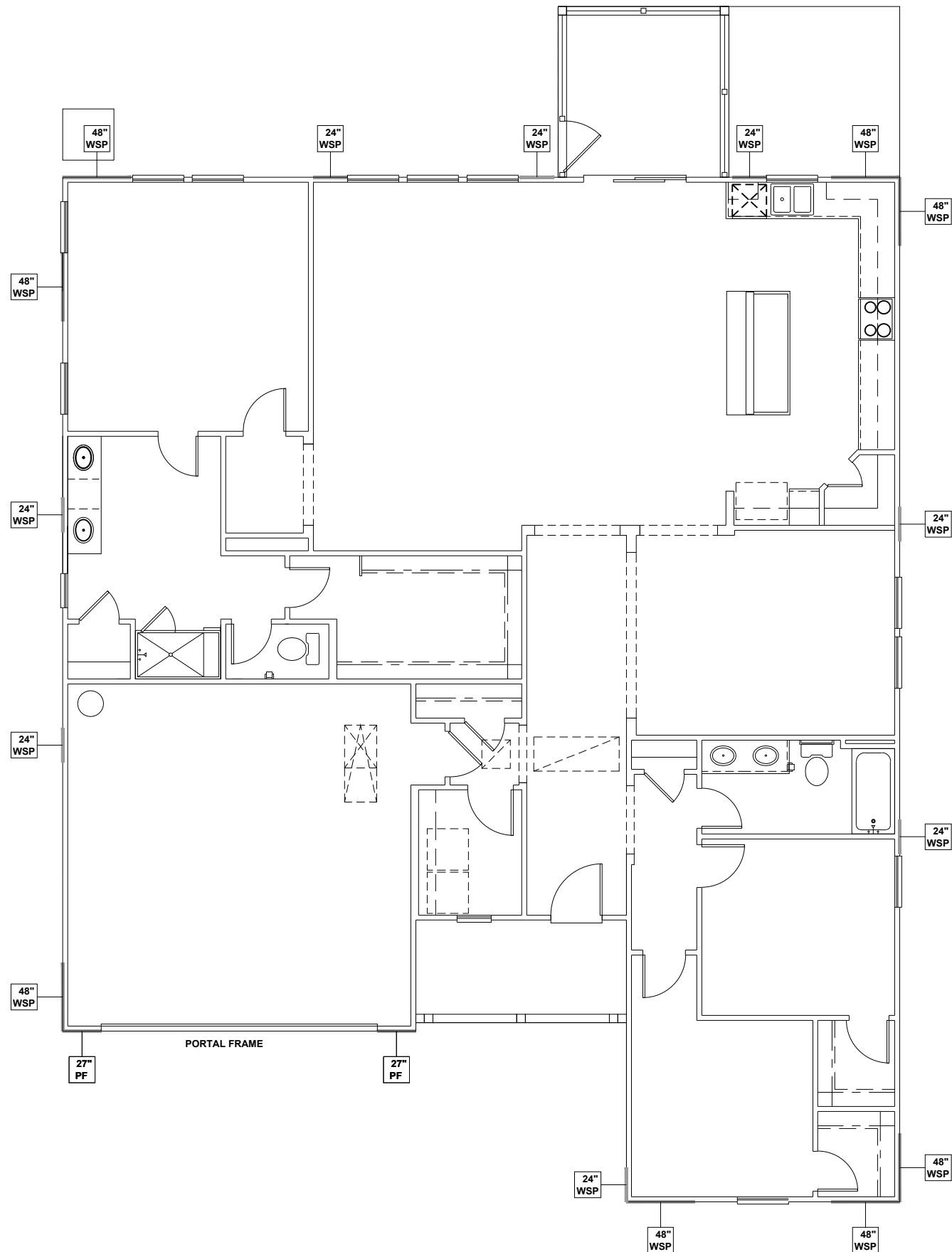
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FIRST FLOOR
 CEILING FRAMING PLAN

S1.0C

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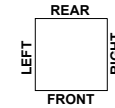


FIRST FLOOR WALL BRACING PLAN - 'C'

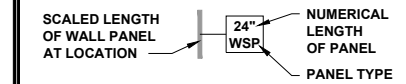
SCALE: 1/8"=1'-0"

WALL BRACING REQUIREMENTS

- MINIMUM PANEL WIDTH IS 24"
- FIGURES BASED ON THE CONTINUOUS SHEATHING METHOD USING THE RECTANGLE CIRCUMSCRIBED AROUND THE FLOOR PLAN OR PORTION OF THE FLOOR PLAN. IF NO RECTANGLE IS NOTED, THE STRUCTURE HAS BEEN FIGURED ALL WITHIN ONE RECTANGLE.
- PANELS MAY SHIFT UP TO 36" EITHER DIRECTION FOR EASE OF CONSTRUCTION (NAILING & BLOCK REQUIREMENTS STILL APPLY).
- FOR ADDITIONAL WALL BRACING INFORMATION, REFER TO WALL BRACING DETAIL SHEET(S).
- SCHEMATIC BELOW INDICATES HOW SIDES OF RECTANGLE ARE TO BE INTERPRETED IN BRACING CHART WHEN APPLIED TO STRUCTURE:



- CS16 STRAP FROM STUD, CROSS HEADER, TO WALL TOP PLATE, 36" LONG MINIMUM
- SIMPSON MSTA15 HOLD DOWN CAPACITY OF 970 POUNDS PER ANCHOR WITH (12) 10d NAILS. STRAP TO BE LOCATED AT EDGE OF BRACED WALL PANEL. (CS16 STRAPPING MAY BE SUBSTITUTED w/ SIMILAR LENGTH AND NAILING PATTERN.) USE HTT4 FOR ATTACHMENT TO CONCRETE.



WALL BRACING NOTE:

WALLS WITH REQUIRED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCR. THESE WALLS HAVE BEEN ENGINEERED BASED ON DESIGN GUIDELINES ESTABLISHED IN ASCE-07 AND THE NDS: WIND & SEISMIC PROVISIONS SUPPLEMENT.

WALL BRACING: RECTANGLE 1

SIDE	REQUIRED LENGTH	PROVIDED LENGTH
FRONT	9.0 FT.	14.75 FT.
RIGHT	7.5 FT.	12.0 FT.
REAR	9.0 FT.	14.0 FT.
LEFT	7.5 FT.	14.0 FT.



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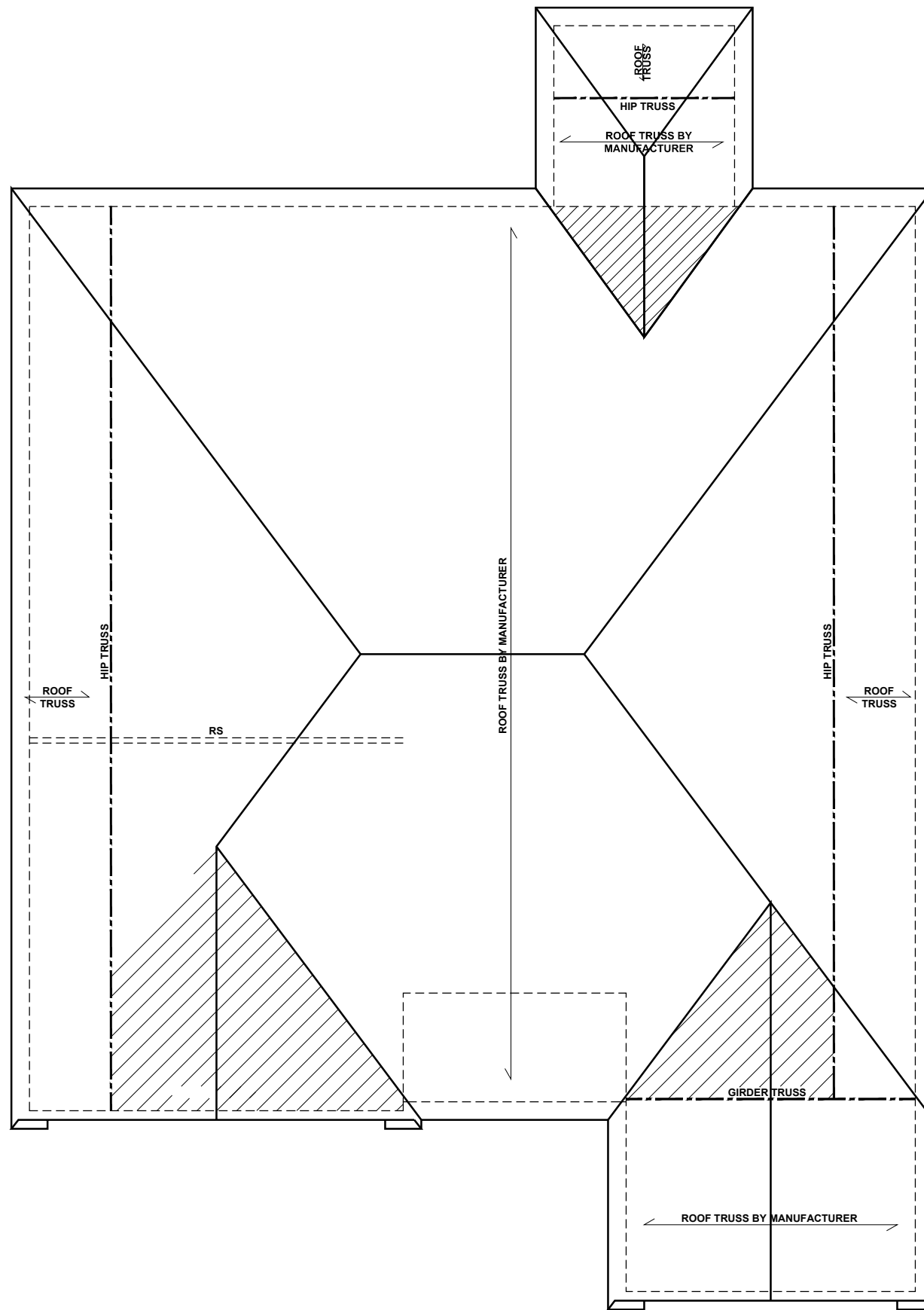
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FIRST FLOOR
WALL BRACING PLAN

S4.0C

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ROOF FRAMING PLAN - 'C'

SCALE: 1/8"=1'-0"

BEAM & POINT LOAD LEGEND

	INTERIOR LOAD BEARING WALL
	ROOF RAFTER / TRUSS SUPPORT
	DOUBLE RAFTER / DOUBLE JOIST
	STRUCTURAL BEAM / GIRDER
	WINDOW / DOOR HEADER
	POINT LOAD TRANSFER
	POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

- TRUSSED ROOF - STRUCTURAL NOTES**
- PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
 - DENOTES OVER-FRAMED AREA
 - MINIMUM 7/16" OSB ROOF SHEATHING
 - TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN. TRUSS PROFILES SHALL BE SEALED BY THE TRUSS MANUFACTURER. TRUSS PLANS TO BE COORDINATED WITH THE SEALED STRUCTURAL DRAWINGS. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
 - MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTION.
 - PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH TRUSS-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.
 - UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.

ATTIC VENTILATION

THE TOTAL NET-FREE VENTILATION AREA SHALL NOT BE LESS THAN 1/150 OF THE AREA OF THE ATTIC SPACE TO BE VENTILATED. THE TOTAL VENTILATION MAY BE REDUCED TO 1/300 PROVIDED AT LEAST 50% BUT NOT MORE THAN 80% OF THE REQUIRED VENTILATION BE LOCATED IN THE UPPER PORTION OF THE AREA TO BE VENTILATED, OR AT LEAST 3' ABOVE THE SOFFIT VENTILATION INTAKE.

2930 SQUARE FEET OF TOTAL ATTIC / 150 =
19.5 SQUARE FEET OF NET-FREE VENTILATION REQUIRED

TRUSS UPLIFT CONNECTORS: EXPOSURE B, 115 MPH, ANY PITCH, 24" O.C. MAX ROOF TRUSS SPACING

TRUSSES SHALL BE ATTACHED TO SUPPORT WALL FOR UPLIFT RESISTANCE. CONTINUOUS OSB WALL SHEATHING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES SUPPORTED BY INTERMEDIATE SUPPORT WALLS, KNEEWALLS, OR BEAMS SHALL BE ATTACHED TO SUPPORTING MEMBER PER SCHEDULE:

ROOF SPAN IS MEASURED HORIZONTALLY BETWEEN FURTHEST SUPPORT POINTS.

ROOF PLAN UP TO 28'	CONNECTOR NAILING PER TABLE 602.3(1) NCRBC 2018 EDITION
OVER 28'	(1) SIMPSON H2.5A HURRICANE CLIP TO DBL TOP PLATE OR BEAM OR (1) SIMPSON H3 CLIP TO SINGLE 2x4 PLATE



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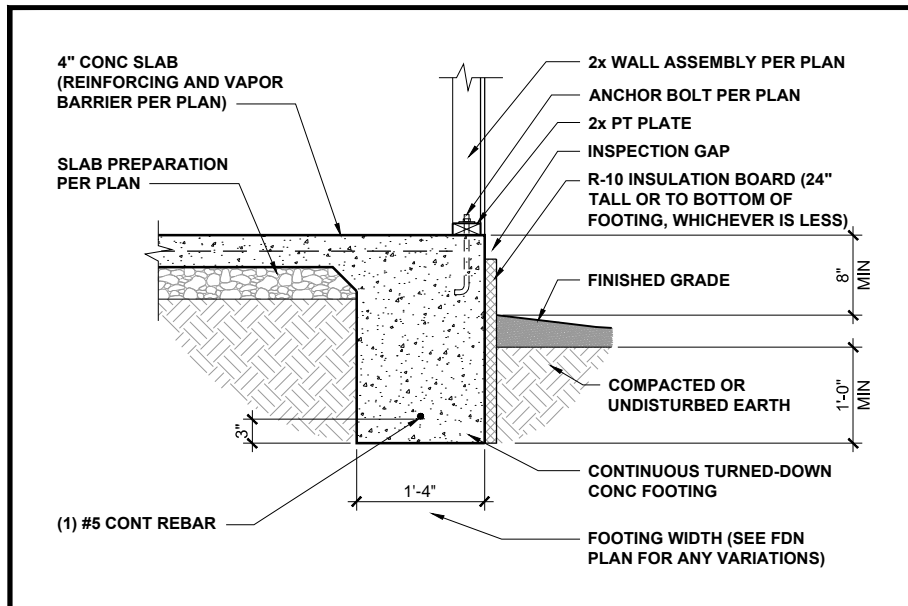
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DATE: 5/1/2019

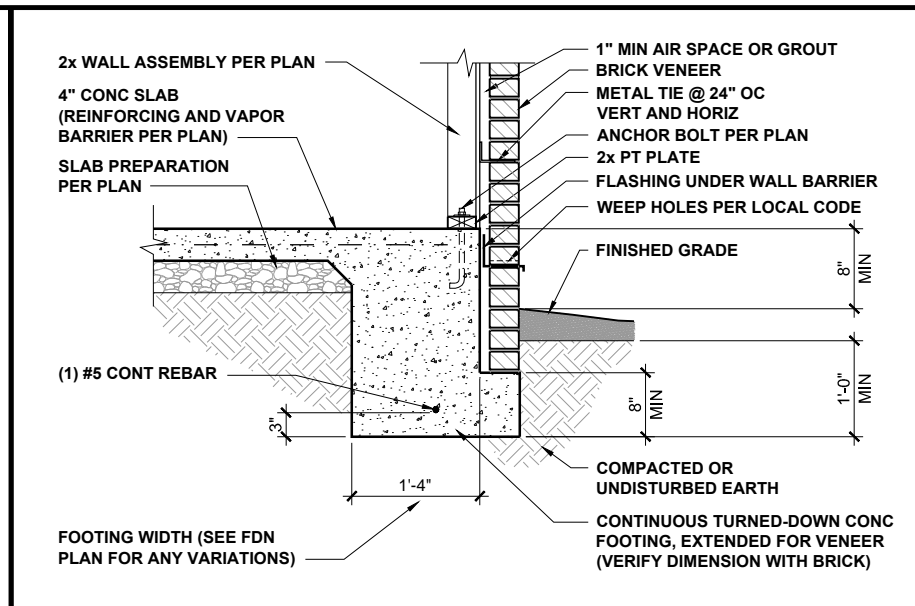
PLAN:
149.2115

ROOF FRAMING PLAN
S7.0C

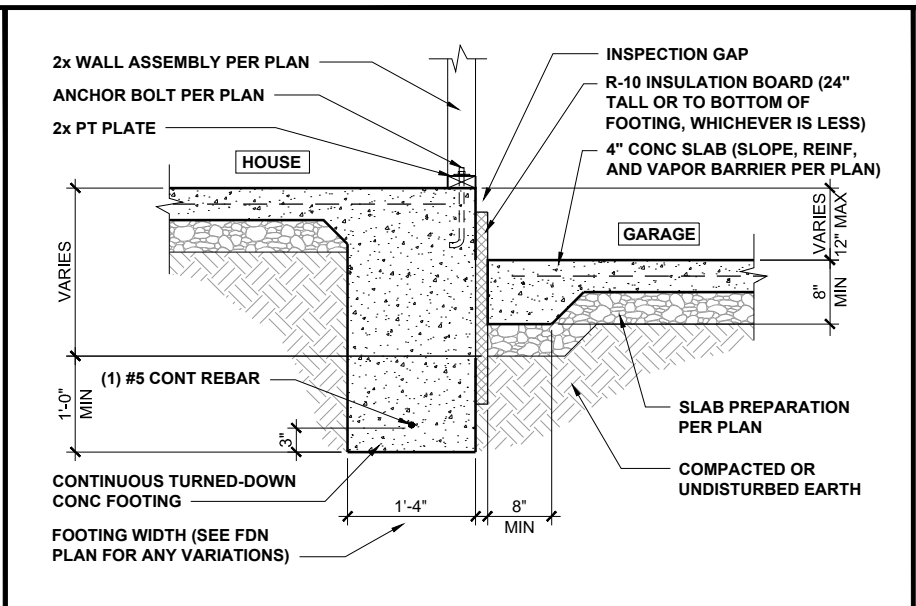
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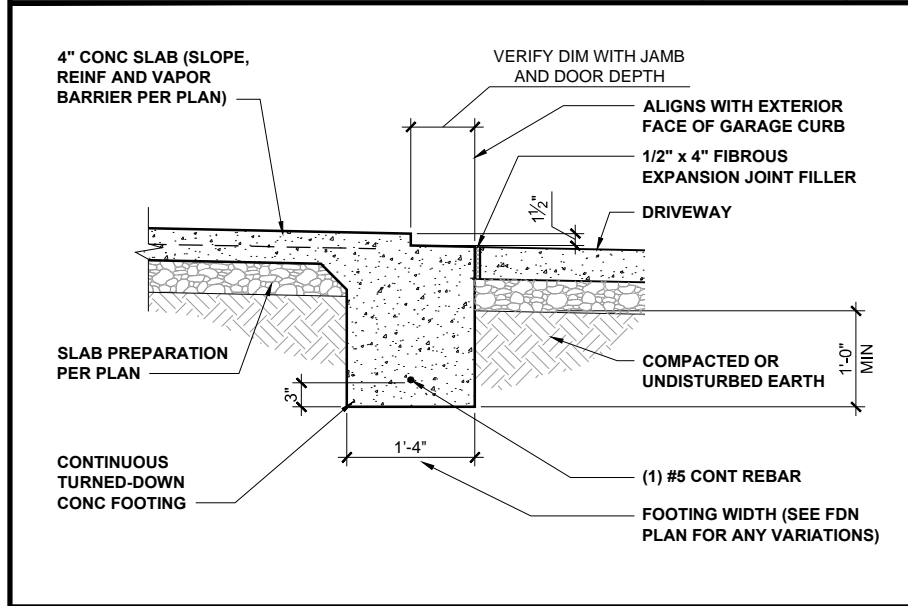
TURNED-DOWN CONC SLAB FOOTING 1/2" = 1'-0" **1**



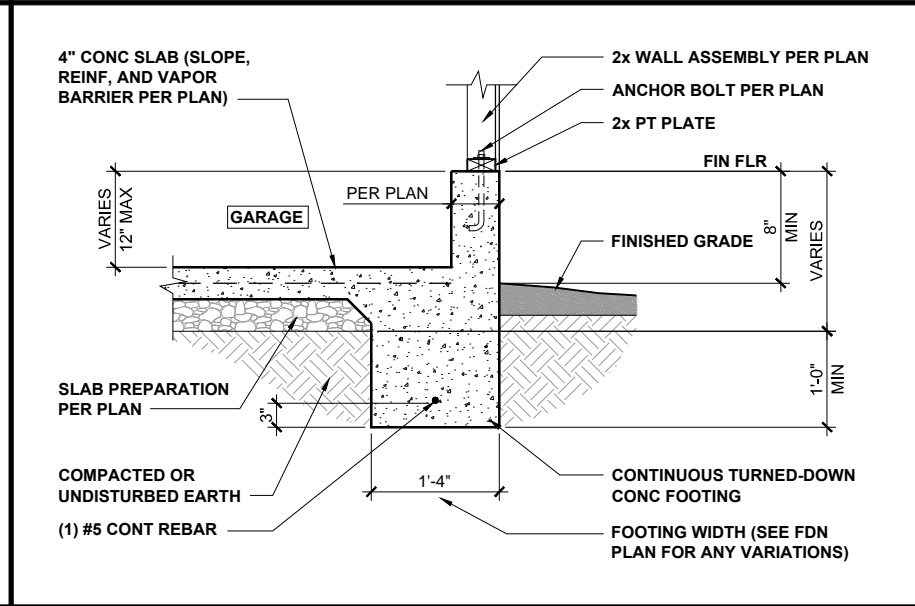
TURNED-DOWN FOOTING w/ BRICK 1/2" = 1'-0" **2**



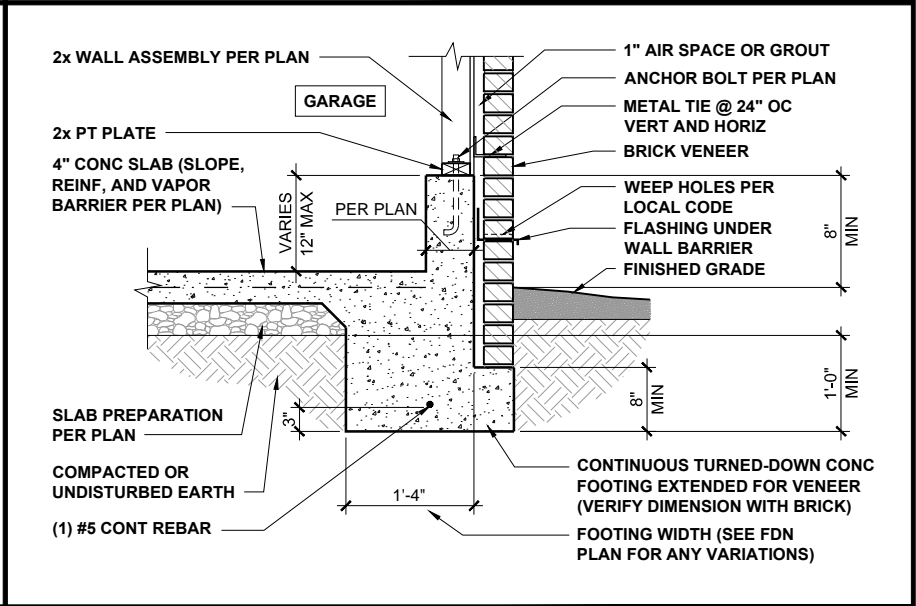
HOUSE / GARAGE FOOTING 1/2" = 1'-0" **3**



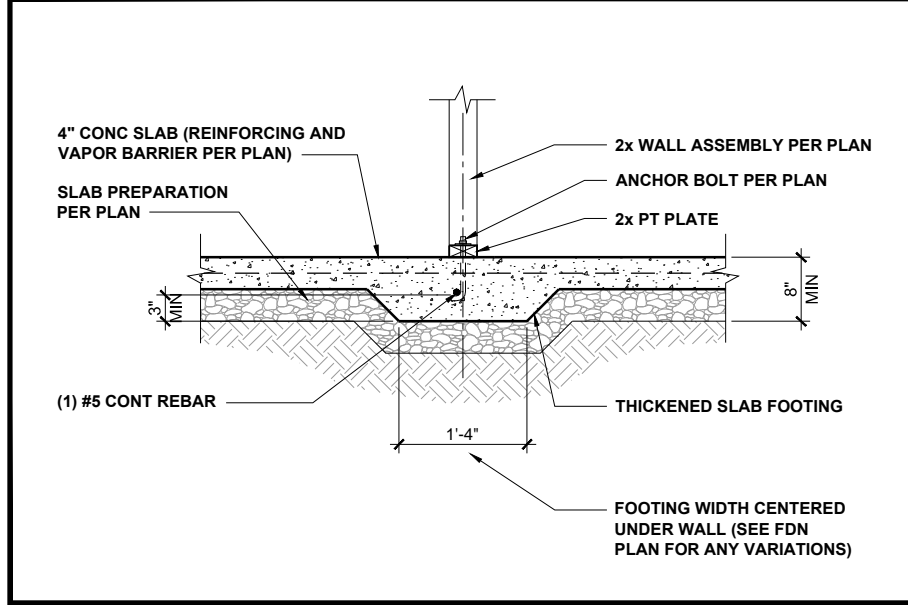
GARAGE DOORWAY FOOTING 1/2" = 1'-0" **4**



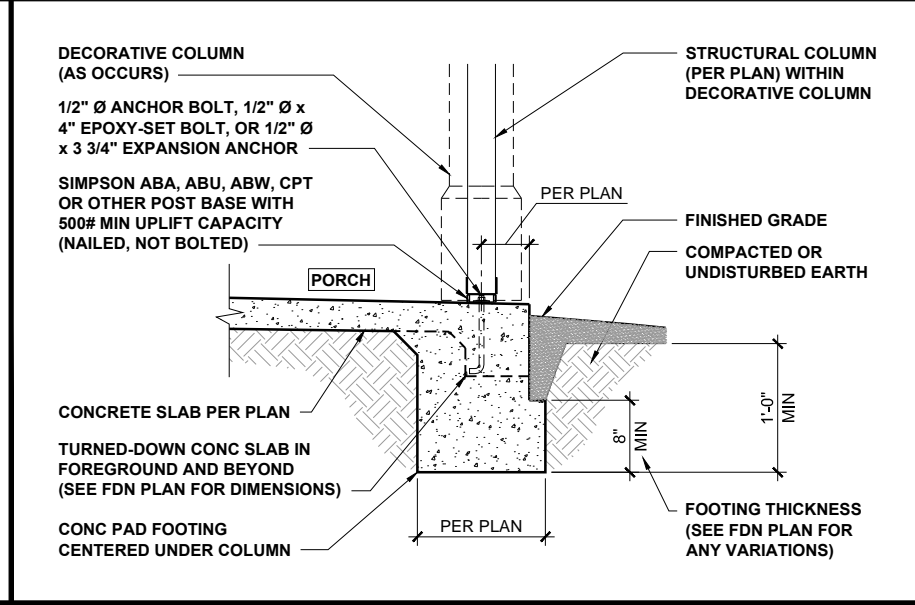
GARAGE FOUNDATION 1/2" = 1'-0" **5**



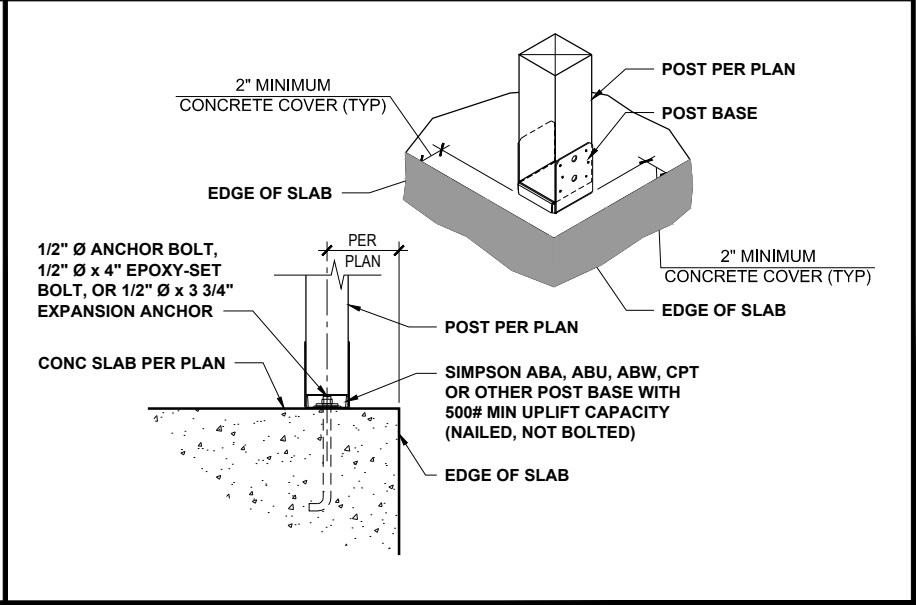
GARAGE FOUNDATION WITH BRICK 1/2" = 1'-0" **6**



INTERIOR FOOTING 1/2" = 1'-0" **7**



PORCH COLUMN FOUNDATION 1/2" = 1'-0" **8**



PORCH COLUMN 3/4" = 1'-0" **9**



KB HOME

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ELJAH B. SMITH
 ENGINEER
 P-0961



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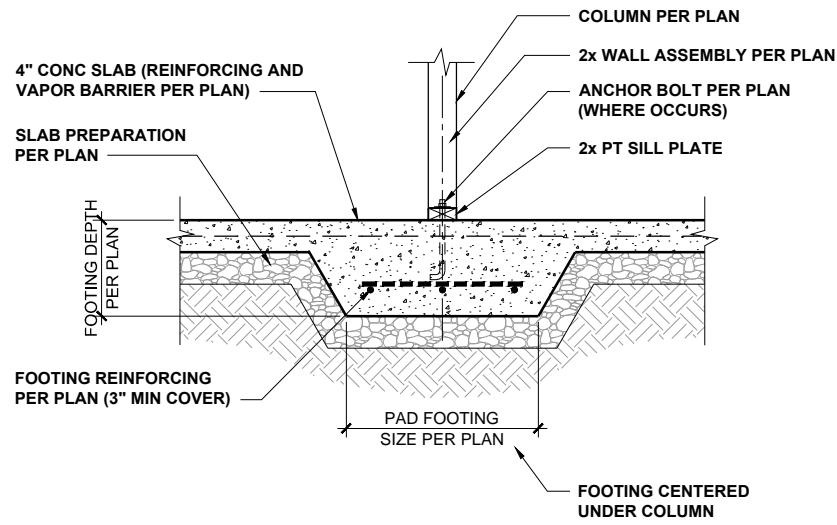
PROJECT NO.: 19900631
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149.2115

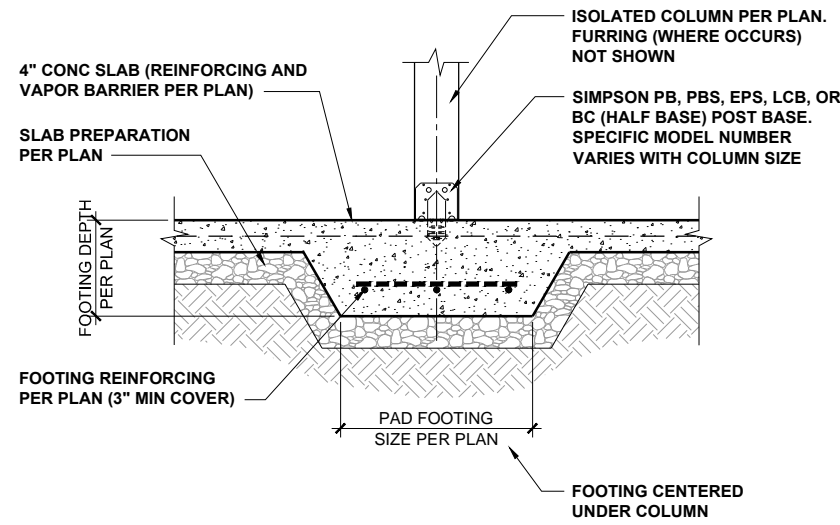
**TURNED-DOWN SLAB
 FOUNDATION DETAILS**

D1.0

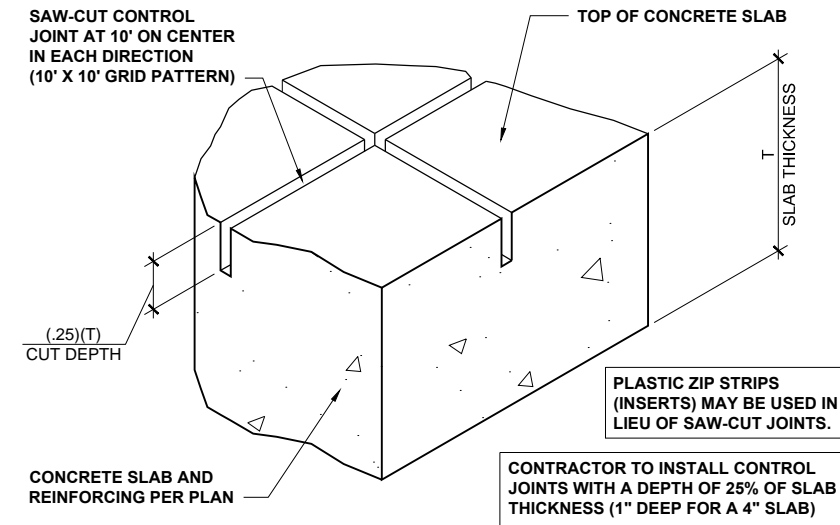
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INT POINT-LOAD FOOTING SECTION 1/2" = 1'-0" **1**



ISOLATED COLUMN FOOTING 1/2" = 1'-0" **2**



CONCRETE SLAB CONTROL JOINTS 3" = 1'-0" **3**



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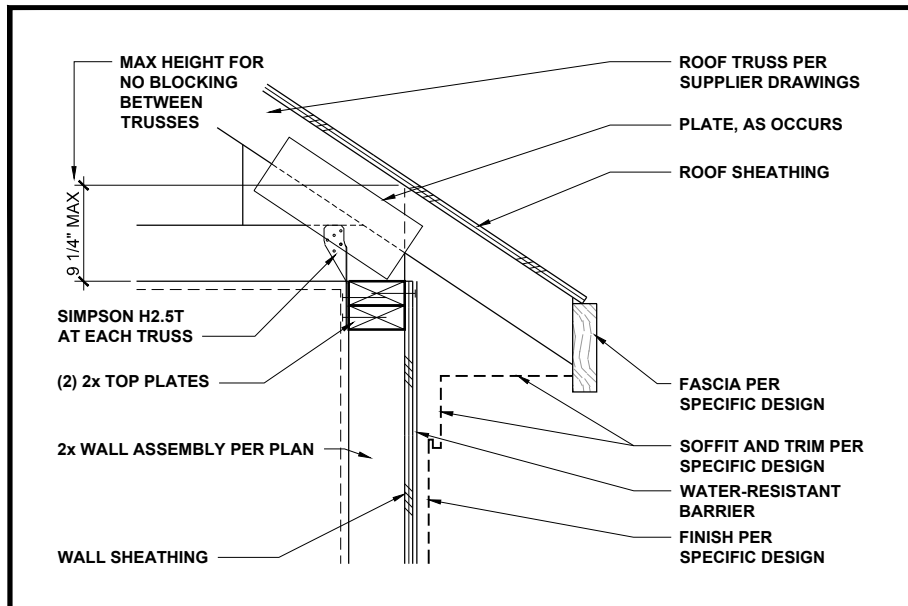
PROJECT NO.: 19900631
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PLAN:
149.2115

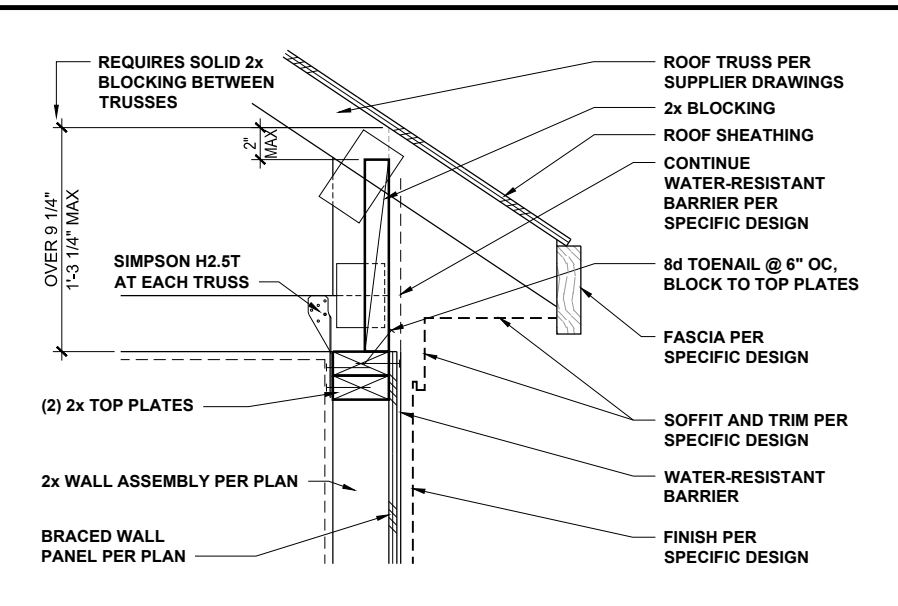
TURNED-DOWN SLAB
FOUNDATION DETAILS

D2.0

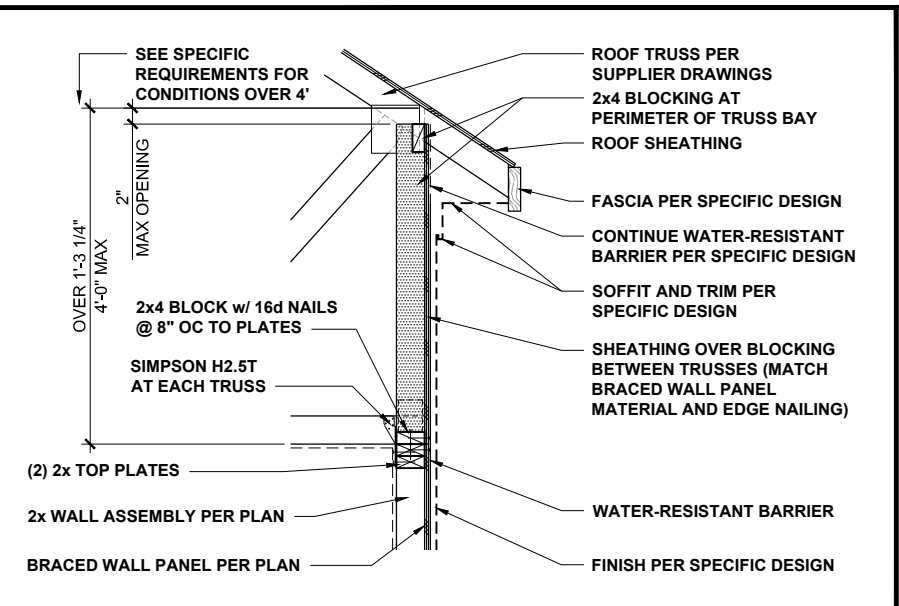
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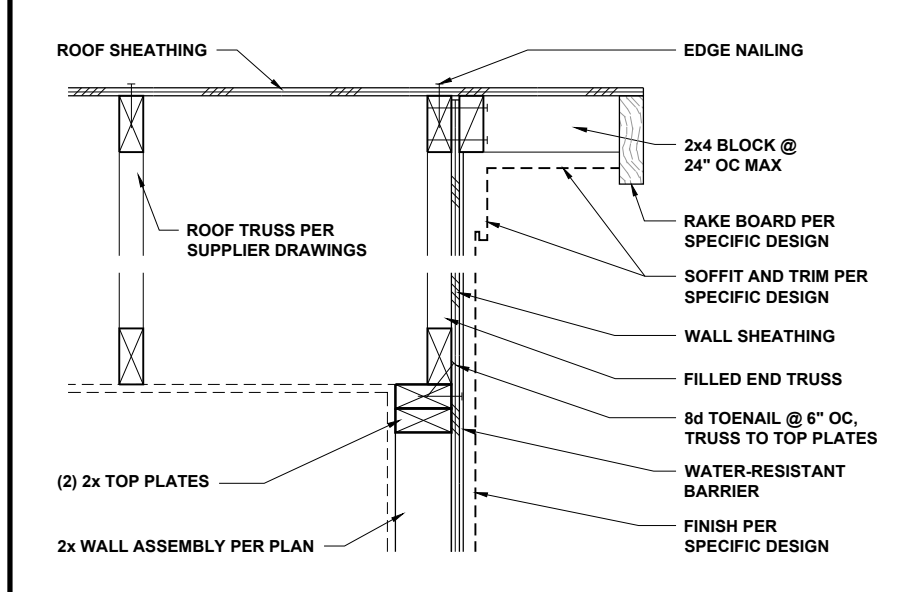
LOW-HEEL TRUSS AT WALL 1" = 1'-0" **1**



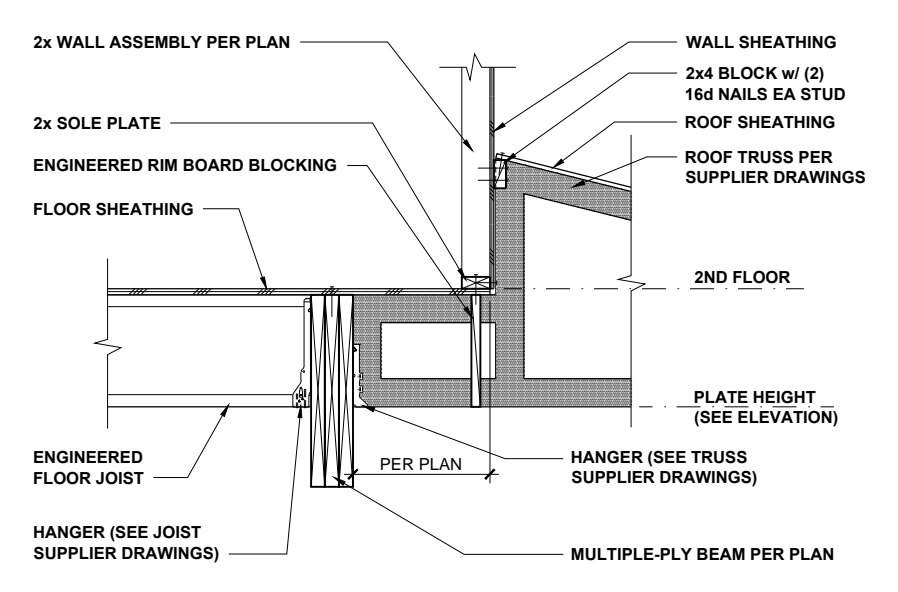
TYPICAL TRUSS AT BRACED WALL 1" = 1'-0" **2**



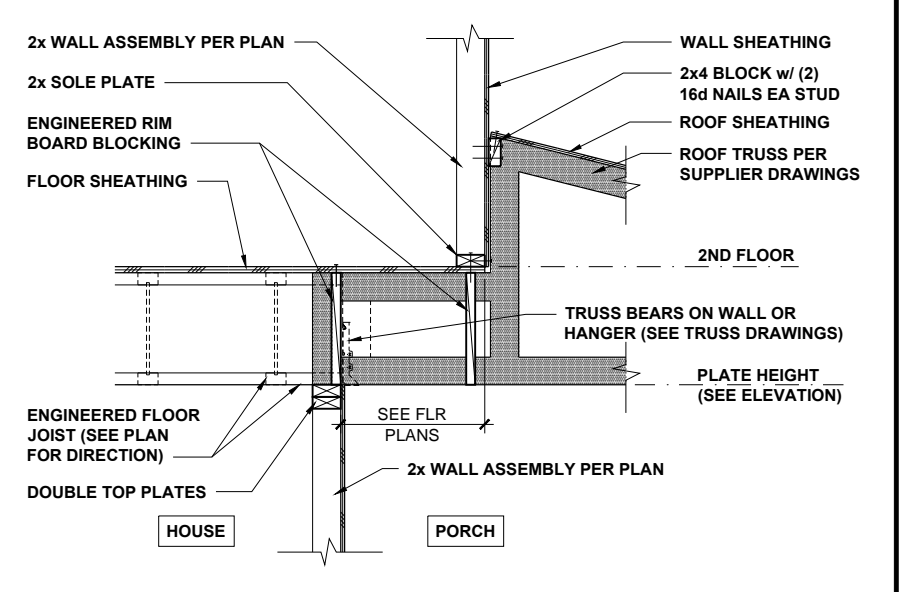
HIGH-HEEL TRUSS AT BRACED WALL 1/2" = 1'-0" **3**



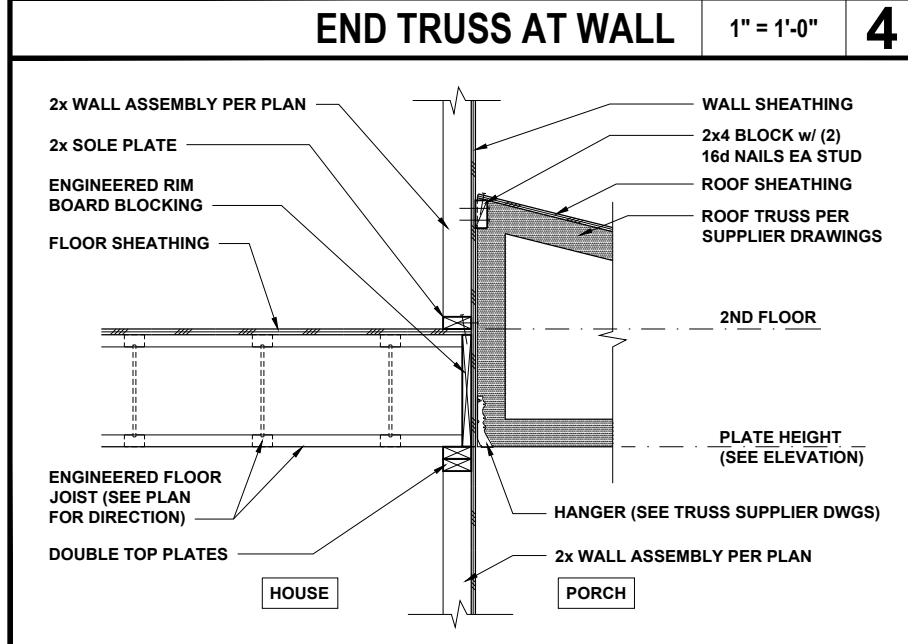
END TRUSS AT WALL 1" = 1'-0" **4**



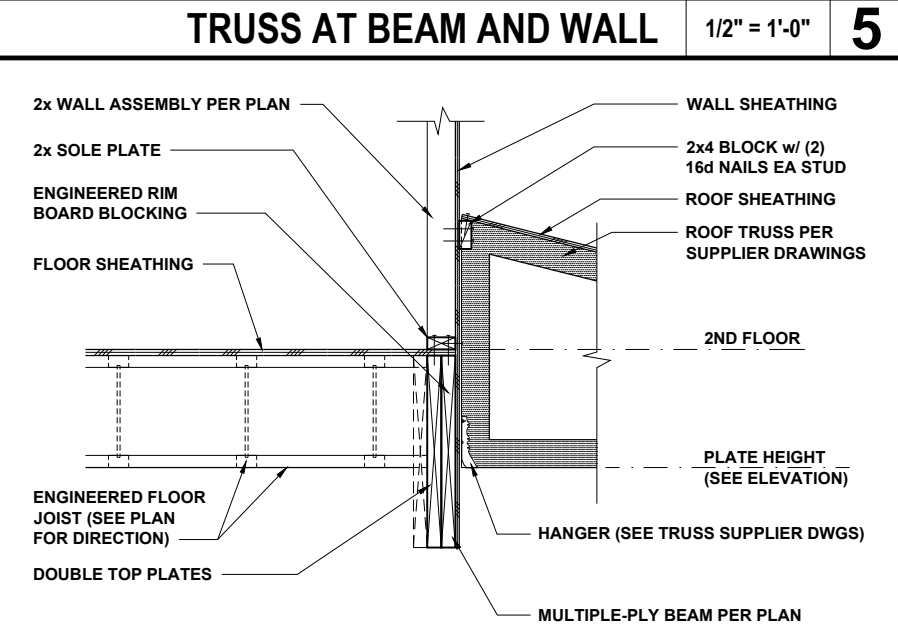
TRUSS AT BEAM AND WALL 1/2" = 1'-0" **5**



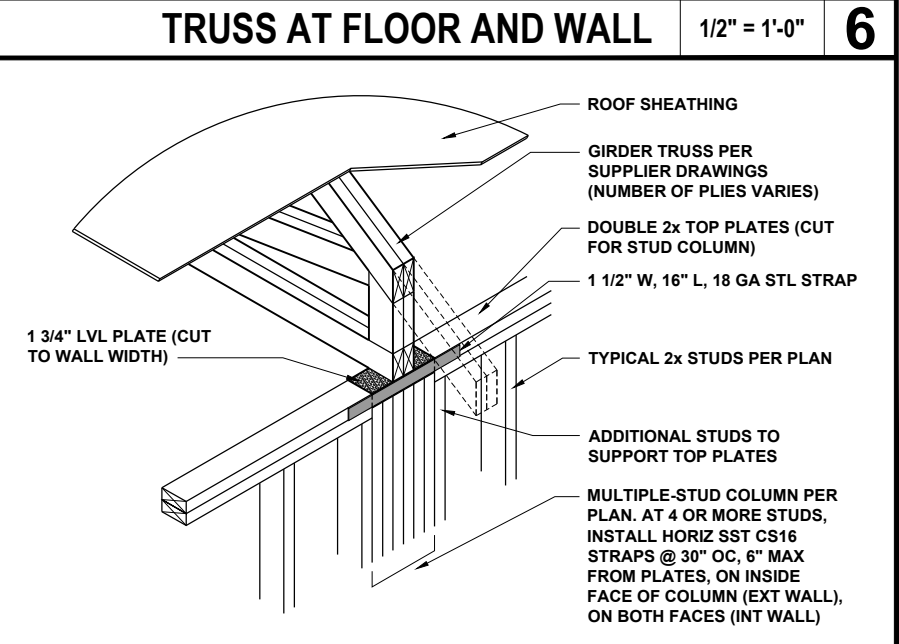
TRUSS AT FLOOR AND WALL 1/2" = 1'-0" **6**



TRUSS AT FLOOR AND WALL 1/2" = 1'-0" **7**



TRUSS AT BEAM AND WALL 1/2" = 1'-0" **8**



GIRDER TRUSS AT WALL 1/2" = 1'-0" **9**



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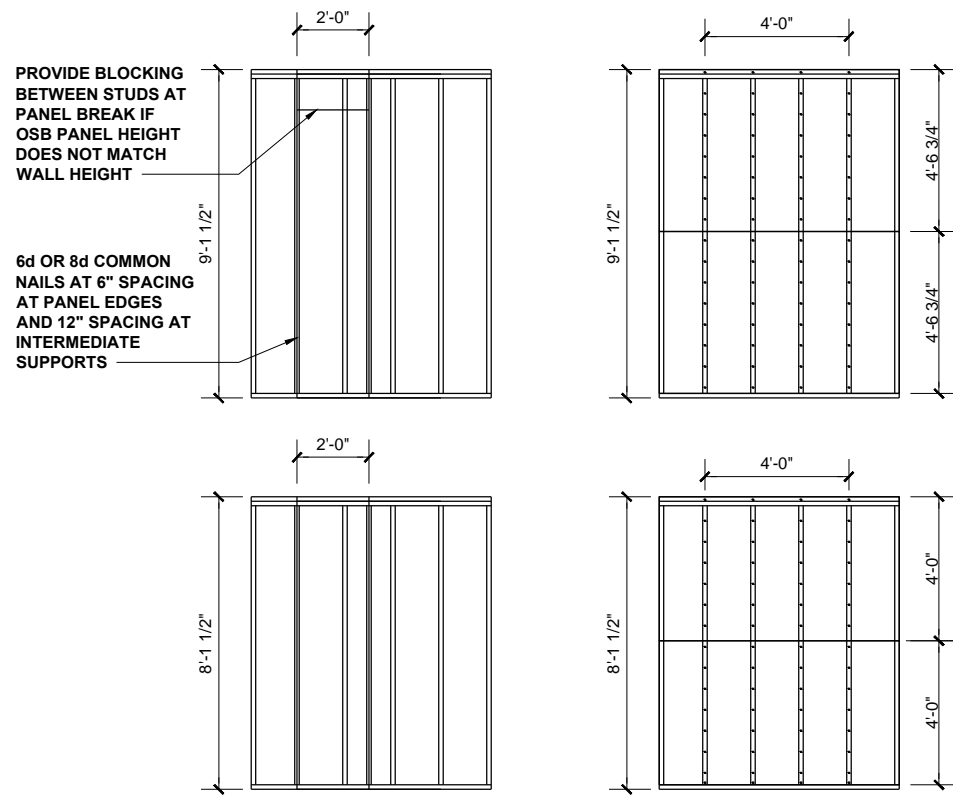
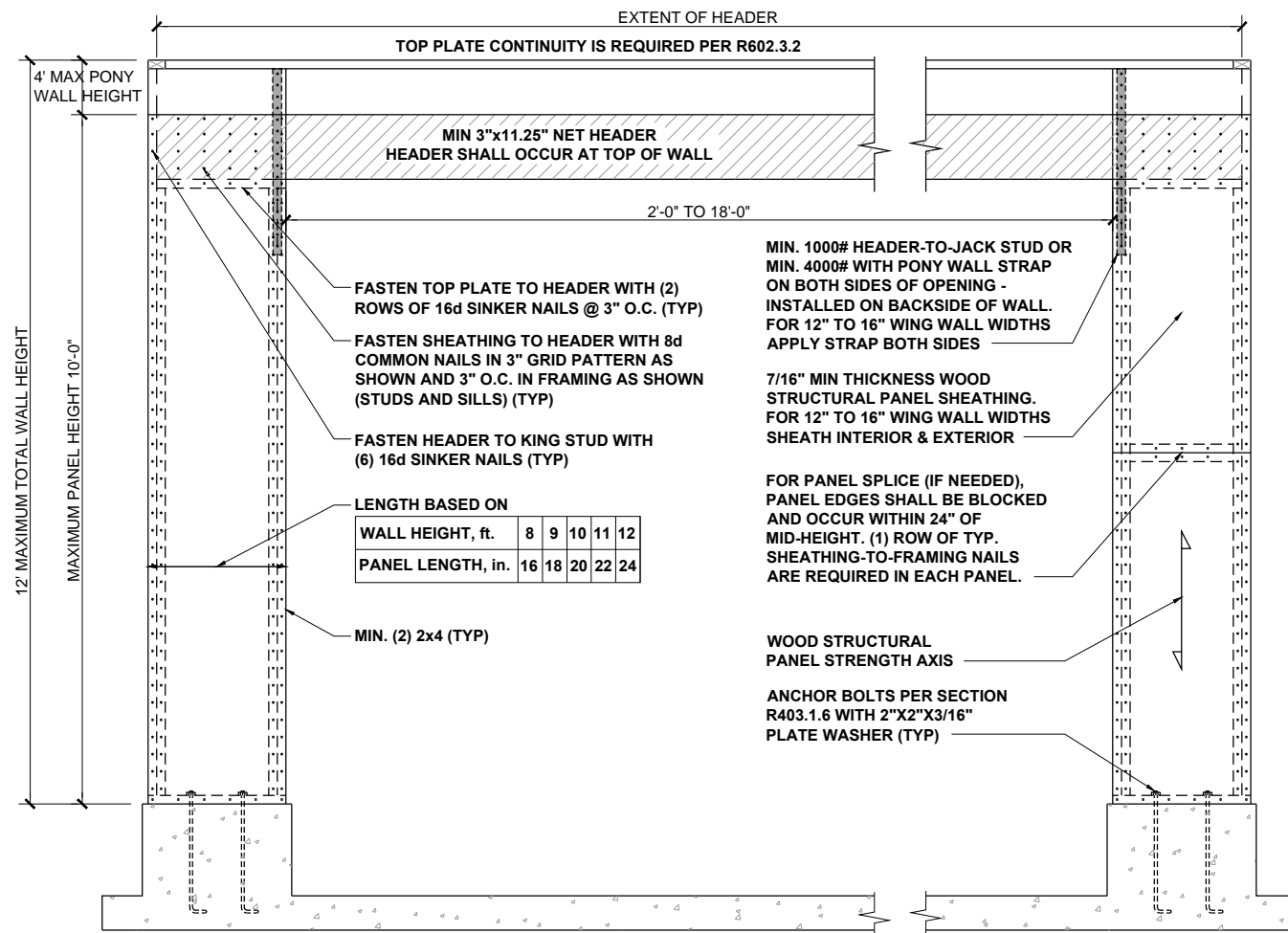


PROJECT NO.: 19900631
DATE: 5/1/2019

PLAN:
149.2115

ROOF TRUSS
FRAMING DETAILS
D10.0

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CS-WSP - WOOD STRUCTURAL PANEL (CONTINUOUSLY SHEATHED)

BRACED WALL PANEL 7/16" MIN. OSB SHEATHING ON ONE SIDE OF WALL. MINIMUM PANEL LENGTH 24".

GB - GYPSUM BOARD

BRACED WALL PANEL 1/2" GYPSUM BOARD NAILED TO STUDS AT 7" O.C. USING 5d COOLER NAILS OR #6 SCREWS. MINIMUM PANEL LENGTH 48" WHEN APPLIED TO BOTH SIDES OF WALL AND 96" WHEN APPLIED TO ONE SIDE OF WALL.

HIGH-SPEED WIND ZONES

FOR LOCATIONS OF 130 MPH OR MORE ULTIMATE DESIGN WIND SPEED (110 MPH OR MORE BASIC WIND SPEED IN VIRGINIA AND GEORGIA), WALLS SHALL BE BRACED PER THE LATEST ADOPTED EDITION OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS PUBLICATION ASCE 7 OR STANDARD FOR RESIDENTIAL CONSTRUCTION IN HIGH-WIND REGIONS (ICC 600).

METHOD PF: PORTAL FRAME PANEL CONSTRUCTION

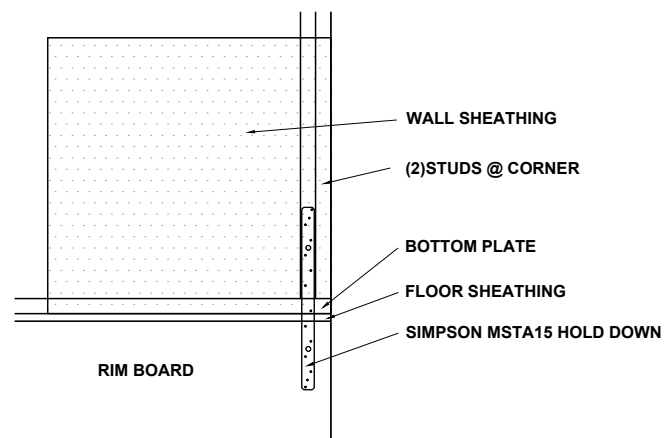
3/8" = 1'-0"

1

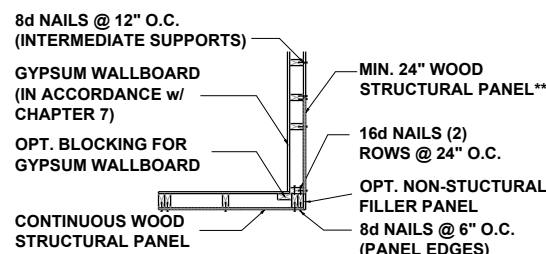
BRACING METHODS

3/16" = 1'-0"

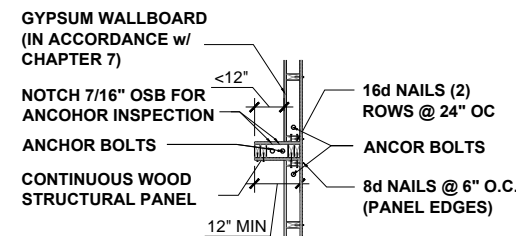
2



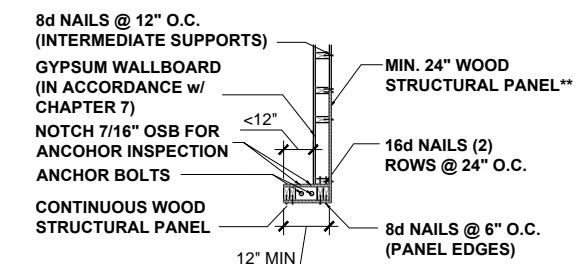
SIMPSON MSTA15 HOLD DOWN CAPACITY OF 970 POUNDS PER ANCHOR WITH (12) 10d NAILS. STRAP TO BE LOCATED AT EDGE OF BRACED WALL PANEL.



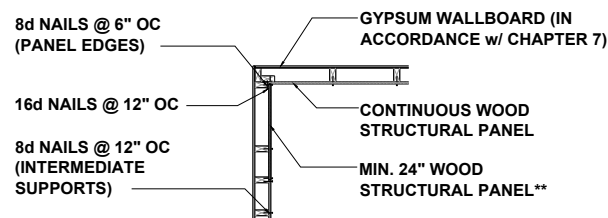
A) GARAGE DOOR CORNER



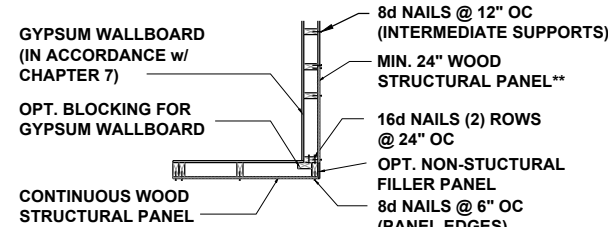
B) GARAGE T-WALL PORTAL FRAMING 16"-12"



C) GARAGE DOOR CORNER PORTAL FRAMING 16"-12"



D) ALT. INSIDE CORNER DETAIL



E) ALT. OUTSIDE CORNER DETAIL

** IN LIEU OF THE CORNER RETURN, A HOLD-DOWN DEVICE WITH A MINIMUM UPLIFT DESIGN VALUE OF 800# SHALL BE FASTENED TO THE CORNER STUD AND TO THE FOUNDATION OR FRAMING BELOW.

BRACED WALL HOLD-DOWN

NTS

3

CORNER FRAMING FOR CONTINUOUS SHEATHING

1/4" = 1'-0"

4



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WALL BRACING DETAILS

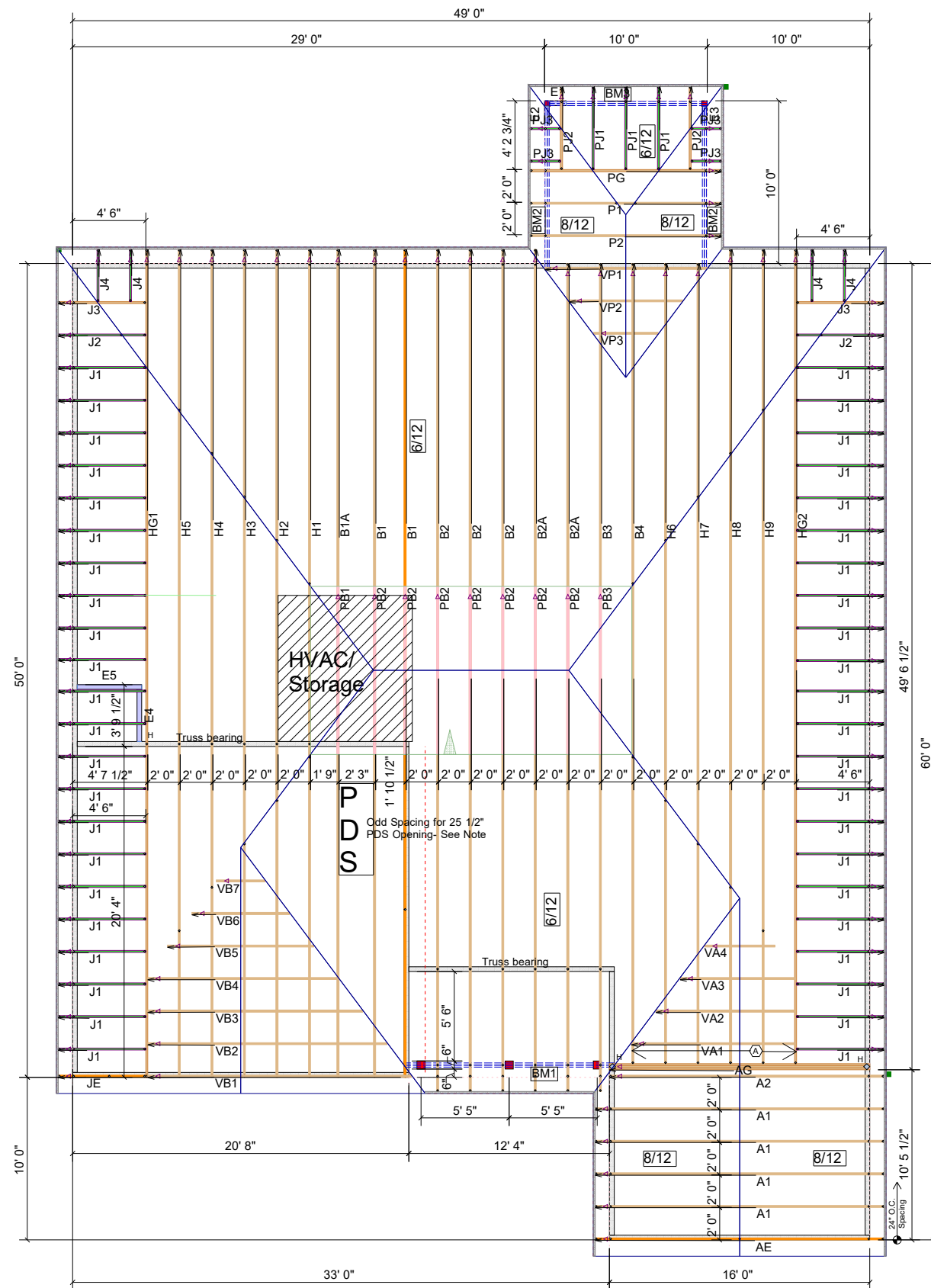
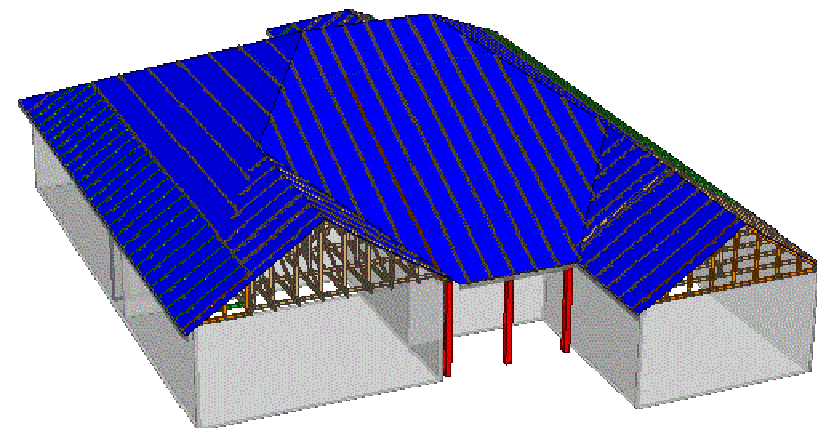
D15.0

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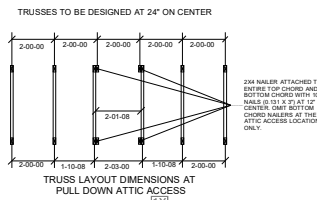
THIS LAYOUT IS INTENDED FOR THE PURPOSE OF TRUSS LOCATION AND PLACEMENT ONLY. REFER TO THE BUILDING PLANS FOR ACTUAL BUILDING CONSTRUCTION.



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 DUNN, NORTH CAROLINA 28334
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 FAX: 910-892-8384



THE PURPOSE OF THIS DETAIL IS TO ILLUSTRATE HOW TO PROPERLY SPACE 24" O.C. ROOF TRUSSES TO ALLOW FOR A 25 1/2" OPENING FOR PULL DOWN ATTIC ACCESS



HANGER LIST			
A	Simpson	HUS26	6
H2.5A- As Info	Simpson	H2.5A	135
H	Simpson	HTS20	3

PROJECT:	Lot 45 @ Mason Pointe		
CUSTOMER:	KB HOME		
MODEL:	Plan 149.2115 "C" w/ CVP Scrn'd GOL		
SCALE:	NOT TO SCALE	P.O. NUMBER: PO #	ORDER: 20595
DRAWN BY:	MWM	PRINT DATE: Approved	SHIP DATE: 2019
REV:	04-30-19		

TOP LIVE: 20 PSF

TOP DEAD: 10 PSF

BOTM DEAD: 10 PSF

WIND SPD: 130 MPH

GENERAL NOTES:
 DO NOT CUT OR MODIFY TRUSSES.
 TRUSSES ARE SPACED 24" ON CENTER UNLESS NOTED OTHERWISE.
 REFER TO THE INDIVIDUAL TRUSS DESIGN DRAWINGS FOR THE LOCATION OF LATERAL BRACING AND MULTI-PLY CONNECTION REQUIREMENTS.
 PER ANSI TPI 1-2002 THE TRUSS ENGINEER IS RESPONSIBLE FOR TRUSS TO TRUSS CONNECTIONS AND TRUSS PLY TO PLY CONNECTIONS. THIS TRUSS PLACEMENT PLAN RECOMMENDS TRUSS TO BEARING CONNECTIONS AND TRUSS TO BEAM CONNECTIONS WHICH SHALL BE REVIEWED BY THE BUILDING DESIGNER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO RESOLVE ALL ROOF FORCES ADEQUATELY TO THE FOUNDATION.