



# NORTH CAROLINA 40' SERIES PLAN 237.2723-R

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**PLAN #237.2723**

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AD1	ARCHITECTURAL DETAILS
AD2	ARCHITECTURAL DETAILS
AD3	ARCHITECTURAL DETAILS
AD4	ARCHITECTURAL DETAILS
AD5	ARCHITECTURAL DETAILS
AD6	ARCHITECTURAL DETAILS
AD7	ARCHITECTURAL DETAILS
AD8	ARCHITECTURAL DETAILS



**NORTH CAROLINA  
40' SERIES**

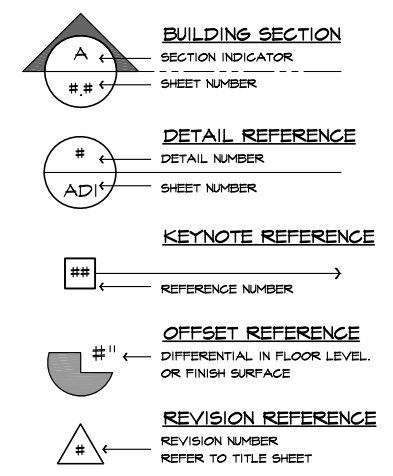
KB HOME  
NORTH CAROLINA DIVISION

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

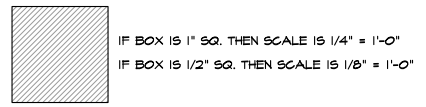
### ABBREVIATIONS

ABV.	ABOVE	G.F.I.	GROUND-FAULT CIRCUIT INTERRUPTER	R.O.	ROUGH OPENING
A/C	AIR CONDITIONING	S & P	S & P	S & P	SHELF AND POLE
ADJ.	ADJUSTABLE	S.C.	SOLID CORE	S.C.	SOLID CORE
ALT.	ALTERNATE	S.D.	SMOKE DETECTOR	S.D.	SMOKE DETECTOR
AMP.	AMPERAGE	SEC.	SECTION	SEC.	SECTION
BD.	BOARD	S.H.	SINGLE HUNG	S.H.	SINGLE HUNG
CL.	CENTER LINE	SHT.	SHEET	SHT.	SHEET
CAB.	CABINET	SHTS.	SHEATHING	SHTS.	SHEATHING
CLG.	CEILING	SHWR.	SHOWER	SHWR.	SHOWER
CLR.	CLEAR	SIM.	SIMILAR	SIM.	SIMILAR
CONC.	CONCRETE	SL.	SLIDING	SL.	SLIDING
CPT.	CARPET	SL. GL.	SLIDING GLASS	SL. GL.	SLIDING GLASS
C.T.	CERAMIC TILE	STD.	STANDARD	STD.	STANDARD
D.	DRYER	S.V.	SHEET VINYL	S.V.	SHEET VINYL
DBL.	DOUBLE	TEMP.	TEMPERED GLASS	TEMP.	TEMPERED GLASS
D.G.	DUAL GLAZED	THK.	THICK	THK.	THICK
DIA.	DIAMETER	T.O.C.	TOP OF CURB	T.O.C.	TOP OF CURB
DIM.	DIMENSION	T.O.P.	TOP OF PLATE	T.O.P.	TOP OF PLATE
DISP.	DISPOSAL	T.O.S.	TOP OF SLAB	T.O.S.	TOP OF SLAB
D.L.	DIVIDED LIGHT	TYP.	TYPICAL	TYP.	TYPICAL
DP.	DEEP	U.N.O.	UNLESS NOTED OTHERWISE	U.N.O.	UNLESS NOTED OTHERWISE
DR.	DOOR	V.P.	VAPOR PROOF	V.P.	VAPOR PROOF
D.S.	DOWNSPOUT	W.	WASHER	W.	WASHER
DTL.	DETAIL	W/	WITH	W/	WITH
D.W.	DISHWASHER	WD.	WOOD	WD.	WOOD
EA.	EACH	WIN.	WINDOW	WIN.	WINDOW
ELEV.	ELEVATION	W/H.	WATER HEATER	W/H.	WATER HEATER
EQ.	EQUAL	W.I.	WROUGHT IRON	W.I.	WROUGHT IRON
EXH.	EXHAUST	W.P.	WEATHER PROOF	W.P.	WEATHER PROOF
EXT.	EXTERIOR				
FAU.	FORCED AIR UNIT				
F.C.	FIBER CEMENT				
F.G./F.X.	FIXED GLASS				
F.G.	FUEL GAS				
FIN.	FINISH				
FLR.	FLOOR				
FLR. LINE	FLOOR LINE				
FLUOR.	FLUORESCENT				
FR. DR.	FRENCH DOOR				
F.M.C.	FLOOR MATERIAL CHANGE				
FTG.	FOOTING				
GA.	GAUGE				
GAR. DISP.	GARBAGE DISPOSAL				

### ARCH. SYMBOLS



### SCALE NOTE



### CONSULTANTS

**OWNER :**  
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### SQUARE FOOTAGE

**PLAN 237.2723-R**

FIRST FLOOR AREA	1285	SQ. FT.
SECOND FLOOR AREA	1488	SQ. FT.
<b>TOTAL AREA</b>	<b>2773</b>	<b>SQ. FT.</b>
GARAGE AREA	416	SQ. FT.
PORCH AREA(S)		
	ELEVATION 'A'	45 SQ. FT.
	ELEVATION 'B'	47 SQ. FT.
	ELEVATION 'C'	44 SQ. FT.
	ELEVATION 'D'	147 SQ. FT.
PATIO AREA(S)		
	10'X10' COVERED	100 SQ. FT.
	10'X20' COVERED	200 SQ. FT.
DECK AREA(S)		
	12'X12'	144 SQ. FT.
	12'X23'	276 SQ. FT.
SUNROOM AREA		
		144 SQ. FT.

### TOWN OF GARNER REQUIREMENTS

- EACH HOUSE TO HAVE CARRIAGE HARDWARE ON THE GARAGE DOOR.
- EACH HOUSE TO HAVE TURNED DOWN SLAB WITH MIN. 12" EXPOSURE. THE FRONT AND SIDES ARE TO BE FINISHED WITH STONE/BRICK VENEER.
- ALL EXPOSED PORTIONS OF CONCRETE SLAB FOUNDATIONS ARE TO BE PARGED (TEXTURED) AND PAINTED TO MATCH THE HOME.

### CODE INFORMATION

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

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

**OCCUPANCY:**  
R3

**CONSTRUCTION TYPE:**  
V - B

**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.-EG.	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
A.N.S.I.	AMERICAN NATIONAL STANDARDS INSTITUTE
I.E.C.C.	INTERNATIONAL ENERGY CONSERVATION CODE
I.C.C.	INTERNATIONAL CODE COUNCIL
U.L.	UNDERWRITERS LABORATORIES, INC.

### REVISION LIST

DELTA	DATE	SHEETS REVISED	LOG NUMBER
1	06/12/17	TS, 11-14, 3A1, 3A3, 3B2, 3B4, 3C2, 3C4, 3D2, 3D4, 41, 54, 81-84	NC17016P
3	09/27/18	1.3, 5.3	NC18041NCP
4	02/27/19	5.1	NC19011NCP
5	03/15/19	T.S., GN1, GN2, GN3, 3A1, 3C2, 3D2, 5.1, 8.1 & 8.4	NC19015NCP
6	08/02/19	1.1, 1.2, 1.4, 3A2, 3B1, 3B3, 3C1, 3C3, 3D1, 3D3, 5.1, 5.2, 5.4, 8.1, 8.2	NC19052NCP
7	03/02/20	TS, 1.3, 1.4, 2.3, 2.4, 3A3-4, 3B2-5, 3C4-5, 3D4-5, 5.3, 8.3, 8.4	NC20011NCP
8	05/22/20	TS, 1.1, 1.2, 1.3, 1.4	NC20025NCP
9	08/20/20	1.1, 1.3, 1.4, 4.1, 5.3	CCRP20003COP
10	04/05/21	TS, 1.1, 5.1, 7.1 - 7.6, 4.1, 9.2	NC21019NCP
11	10/25/21	TS, 5.1	NC21057NCP

ISSUE DATE: 02/23/17  
PROJECT No.: 1350999-56  
DIVISION MGR.: DS

- REVISIONS:**
- 4 DIVISION REVISIONS NC19011NCP - 2/27/19 CTD
  - 5 2018 CODE UPDATE NC19015NCP / 03/15/19 / CTD
  - 6 DIVISION REVISIONS NC19052NCP - 08/02/19 FAB
  - 7 DIVISION REVISIONS NC20017NCP - 03/02/20 KBA
  - 8 REPLACED KEYNOTES NC20025NCP / 05/22/20 / KBA
  - 9 HOME OFFICE CORP20003CORP-08/20/20-CTD
  - 10 ADD DECKS & SUNROOM NC21019NCP-04/05/21-CTD
  - 11 DIVISION REVISION NC21057NCP - 10/25/21 - KBA
  - 12 DIVISION REVISION NC21056NCP - 10/25/21 - KBA

PLAN:  
**237.2723-R**  
SHEET:  
**TS**

**SPEC. LEVEL 1  
RALEIGH-DURHAM  
40' SERIES**









# NORTH CAROLINA 40' SERIES PLAN 237.2723-R

## SHEET INDEX

**PLAN #237.2723**

TS	TITLE SHEET	T.1	PARTIAL FLOOR PLANS, & ELEVATIONS W/ OPT. 12'X12' DECK AT CRAWL SPACE
GN1	GENERAL NOTES	T.2	PARTIAL FLOOR PLANS, & ELEVATIONS W/ OPT. 12'X24' DECK AT CRAWL SPACE
GN2	GENERAL NOTES	8.1	PARTIAL FLOOR PLAN, ROOF & ELEVATIONS 'A', 'B', 'C', & 'D' W/ OPT. COVERED PATIO
GN3	GENERAL NOTES	8.2	PARTIAL FLOOR PLAN, ROOF & ELEVATIONS 'A', 'B', 'C', & 'D' W/ OPT. EXTENDED COVERED PATIO
		8.3	PARTIAL FLOOR PLAN, ROOF & ELEVATIONS 'A', 'B', 'C', & 'D' W/ OPT. COVERED SCREENED PATIO
		8.4	PARTIAL FLOOR PLAN, ROOF & ELEVATIONS 'A', 'B', 'C', & 'D' W/ OPT. EXTENDED SCREENED COVERED PATIO
1.1	FIRST FLOOR PLAN	9.1	PARTIAL FLOOR PLAN, ROOF & ELEVATIONS W/ OPT. SUNROOM
1.2	SECOND FLOOR PLAN	9.2	PARTIAL FLOOR PLAN, ROOF & ELEVATIONS & CRAWL SPACE PLAN 'A/B/C/D' W/ OPT. SUNROOM
1.3	FIRST FLOOR PLAN W/ CRAWL SPACE		
1.4	FIRST FLOOR PLAN OPTIONS		
1.5	SECOND FLOOR PLAN OPTIONS		
2.1	SLAB INTERFACE PLAN 'A'		
2.2	PARTIAL SLAB INTERFACE PLAN 'B', 'C', & 'D'		
2.3	CRAWL SPACE PLAN 'A'		
2.4	PARTIAL CRAWL SPACE PLAN 'B', 'C', & 'D'		
3.A1	ROOF PLAN, FRONT & REAR ELEVATIONS 'A'		
3.A2	LEFT & RIGHT ELEVATIONS 'A'		
3.A3	PARTIAL FIRST FLOOR PLAN, FRONT ELEVATION, PARTIAL LEFT ELEVATION 'A' AT CRAWL SPACE		
3.A4	FRONT ELEVATIONS 'A' AT OPTIONAL 4'-1" PLATE HEIGHT AT SLAB & CRAWL SPACE		
3.B1	PARTIAL FIRST & SECOND FLOOR PLANS 'B'		
3.B2	ROOF PLAN, FRONT & REAR ELEVATIONS 'B'		
3.B3	LEFT & RIGHT ELEVATIONS 'B'		
3.B4	PARTIAL FIRST FLOOR PLAN, FRONT ELEVATION, PARTIAL LEFT ELEVATION 'B' AT CRAWL SPACE		
3.B5	FRONT ELEVATIONS 'B' AT OPTIONAL 4'-1" PLATE HEIGHT AT SLAB & CRAWL SPACE		
3.C1	PARTIAL FIRST & SECOND FLOOR PLANS 'C'		
3.C2	ROOF PLAN, FRONT & REAR ELEVATIONS 'C'		
3.C3	LEFT & RIGHT ELEVATIONS 'C'		
3.C4	PARTIAL FIRST FLOOR PLAN, FRONT ELEVATION, PARTIAL LEFT ELEVATION 'C' AT CRAWL SPACE		
3.C5	FRONT ELEVATIONS 'C' AT OPTIONAL 4'-1" PLATE HEIGHT AT SLAB & CRAWL SPACE		
3.D1	PARTIAL FIRST & SECOND FLOOR PLANS 'D'		
3.D2	ROOF PLAN, FRONT & REAR ELEVATIONS 'D'		
3.D3	LEFT & RIGHT ELEVATIONS 'D'		
3.D4	PARTIAL FIRST FLOOR PLAN, FRONT ELEVATION, PARTIAL LEFT ELEVATION 'D' AT CRAWL SPACE		
3.D5	FRONT ELEVATIONS 'D' AT OPTIONAL 4'-1" PLATE HEIGHT AT SLAB & CRAWL SPACE		
4.1	INTERIOR ELEVATIONS		
4.2	SECTIONS		
5.1	FIRST FLOOR UTILITY PLAN		
5.2	SECOND FLOOR UTILITY PLAN		
5.3	FIRST FLOOR UTILITY PLAN OPTIONS		
5.4	SECOND FLOOR UTILITY PLAN OPTIONS		
7.1	PARTIAL FLOOR PLAN, ELEVATIONS, CRAWL SPACE PLAN 'A/B/C/D' AT 12'X12' DECK		
7.2	PARTIAL FLOOR PLAN, ELEVATIONS, CRAWL SPACE PLAN 'A/B/C/D' AT 23'X12' DECK		
7.3	PARTIAL FLOOR PLAN, ROOF, ELEVATIONS, CRAWL SPACE PLAN 'A/B/C/D' AT 12'X12' COVERED DECK		
7.4	PARTIAL FLOOR PLAN, ROOF, ELEVATIONS, CRAWL SPACE PLAN 'A/B/C/D' AT 23'X12' COVERED DECK		
7.5	PARTIAL FLOOR PLAN, ROOF, ELEVATIONS, CRAWL SPACE PLAN 'A/B/C/D' AT 12'X12' SCREENED DECK		
7.6	PARTIAL FLOOR PLAN, ROOF, ELEVATIONS, CRAWL SPACE PLAN 'A/B/C/D' AT 23'X12' SCREENED DECK		
7.7	PARTIAL FLOOR PLAN, ROOF, ELEVATIONS, CRAWL SPACE PLAN 'A/B/C/D' AT 1/2 SCREEN-1/2 OPEN DECK		

AD1	ARCHITECTURAL DETAILS
AD2	ARCHITECTURAL DETAILS
AD3	ARCHITECTURAL DETAILS
AD4	ARCHITECTURAL DETAILS
AD5	ARCHITECTURAL DETAILS
AD6	ARCHITECTURAL DETAILS
AD7	ARCHITECTURAL DETAILS
AD8	ARCHITECTURAL DETAILS



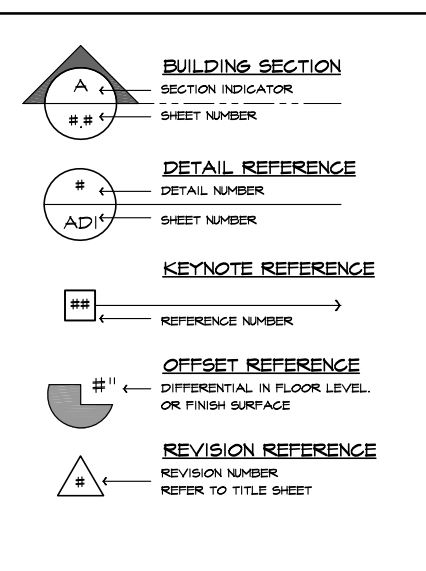
## NORTH CAROLINA 40' SERIES

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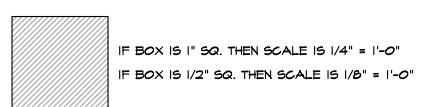
### ABBREVIATIONS

ABV.	ABOVE	G.F.I.	GROUND-FAULT CIRCUIT INTERRUPTER	R.O.	ROUGH OPENING
A/C	AIR CONDITIONING	S & P	S & P	S & P	SHELF AND POLE
ADJ.	ADJUSTABLE	S.C.	SOLID CORE	S.C.	SOLID CORE
ALT.	ALTERNATE	S.D.	SMOKE DETECTOR	S.D.	SMOKE DETECTOR
AMP.	AMPERAGE	SEC.	SECTION	SEC.	SECTION
BD.	BOARD	S.H.	SINGLE HUNG	S.H.	SINGLE HUNG
CL.	CENTER LINE	SHT.	SHEET	SHT.	SHEET
CAB.	CABINET	SHTS.	SHEATHING	SHTS.	SHEATHING
CLG.	CEILING	SHWR.	SHOWER	SHWR.	SHOWER
CLR.	CLEAR	SIM.	SIMILAR	SIM.	SIMILAR
CONC.	CONCRETE	SL.	SLIDING	SL.	SLIDING
CPT.	CARPET	SL. GL.	SLIDING GLASS	SL. GL.	SLIDING GLASS
C.T.	CERAMIC TILE	STD.	STANDARD	STD.	STANDARD
D.	DRYER	S.V.	SHEET VINYL	S.V.	SHEET VINYL
DBL.	DOUBLE	TEMP.	TEMPERED GLASS	TEMP.	TEMPERED GLASS
D.G.	DUAL GLAZED	THK.	THICK	THK.	THICK
DIA.	DIAMETER	T.O.C.	TOP OF CURB	T.O.C.	TOP OF CURB
DIM.	DIMENSION	T.O.P.	TOP OF PLATE	T.O.P.	TOP OF PLATE
DISP.	DISPOSAL	T.O.S.	TOP OF SLAB	T.O.S.	TOP OF SLAB
D.L.	DIVIDED LIGHT	TYP.	TYPICAL	TYP.	TYPICAL
DP.	DEEP	UNO.	UNLESS NOTED OTHERWISE	UNO.	UNLESS NOTED OTHERWISE
DR.	DOOR	V.P.	VAPOR PROOF	V.P.	VAPOR PROOF
D.S.	DOWNSPOUT	W.	WASHER	W.	WASHER
DTL.	DETAIL	W/	WITH	W/	WITH
D.W.	DISHWASHER	WD.	WOOD	WD.	WOOD
EA.	EACH	WIN.	WINDOW	WIN.	WINDOW
ELEV.	ELEVATION	WH.	WATER HEATER	WH.	WATER HEATER
EQ.	EQUAL	WI.	WROUGHT IRON	WI.	WROUGHT IRON
EXH.	EXHAUST	W.P.	WEATHER PROOF	W.P.	WEATHER PROOF
EXT.	EXTERIOR				
FAU.	FORCED AIR UNIT				
F.C.	FIBER CEMENT				
F.G./F.X.	FIXED GLASS				
F.G.	FUEL GAS				
FIN.	FINISH				
FLR.	FLOOR				
FLR. LINE	FLOOR LINE				
FLUOR.	FLUORESCENT				
FR. DR.	FRENCH DOOR				
F.M.C.	FLOOR MATERIAL CHANGE				
FTG.	FOOTING				
GA.	GAUGE				
GAR. DISP.	GARBAGE DISPOSAL				

### ARCH. SYMBOLS



### SCALE NOTE



### CONSULTANTS

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### SQUARE FOOTAGE

**PLAN 237.2723-R**

FIRST FLOOR AREA	1285	SQ. FT.
SECOND FLOOR AREA	1488	SQ. FT.
<b>TOTAL AREA</b>	<b>2773</b>	<b>SQ. FT.</b>
GARAGE AREA	416	SQ. FT.
PORCH AREA(S)		
	ELEVATION 'A'	45 SQ. FT.
	ELEVATION 'B'	47 SQ. FT.
	ELEVATION 'C'	44 SQ. FT.
	ELEVATION 'D'	147 SQ. FT.
PATIO AREA(S)		
	10'X10' COVERED	100 SQ. FT.
	10'X20' COVERED	200 SQ. FT.
DECK AREA(S)		
	12'X12'	144 SQ. FT.
	12'X23'	276 SQ. FT.
SUNROOM AREA		
		144 SQ. FT.

### CODE INFORMATION

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

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

**OCCUPANCY:**  
R3

**CONSTRUCTION TYPE:**  
V - B

**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.-EG.	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
A.N.S.I.	AMERICAN NATIONAL STANDARDS INSTITUTE
I.E.C.C.	INTERNATIONAL ENERGY CONSERVATION CODE
I.C.C.	INTERNATIONAL CODE COUNCIL
U.L.	UNDERWRITERS LABORATORIES, INC.

### REVISION LIST

DELTA	DATE	SHEETS REVISED	LOG NUMBER
1	06/12/17	TS, 11-14, 3A1, 3A3, 3B2, 3B4, 3C2, 3C4, 3D2, 3D4, 41, 54, 81-84	NC17016P
3	09/27/18	1.3, 5.3	NC18041NCP
4	02/27/19	5.1	NC19011NCP
5	03/15/19	T.S., GN1, GN2, GN3, 3A1, 3C2, 3D2, 5.1, 8.1 & 8.4	NC19051NCP
6	06/02/19	1.1, 1.2, 1.4, 3.A2, 3.B1, 3.B3, 3.C1, 3.C3, 3.D1, 3.D3, 5.1, 5.2, 5.4, 8.1, 8.2	NC19052NCP
7	03/02/20	TS, 1.3, 1.4, 2.3, 2.4, 3.A3-4, 3.B2-5, 3.C4-5, 3.D4-5, 5.3, 8.3, 8.4	NC20011NCP
8	05/22/20	TS, 1.1, 1.2, 1.3, 1.4	NC20025NCP
9	08/20/20	1.1, 1.3, 1.4, 4.1, 5.3	CORP20003CORP
10	04/05/21	TS, 1.1, 5.1, 7.1 - 7.6, 4.1, 4.2	NC21014NCP
11	10/25/21	TS, 5.1	NC21057NCP
12	10/25/21	TS, 7.7	NC21056NCP

ALL EXPOSED PORTIONS OF CONCRETE SLAB FOUNDATIONS ARE TO BE 'PARGED (TEXTURED) AND PAINTED TO MATCH THE HOME'.

ISSUE DATE: 02/23/17  
PROJECT No.: 1350999-56  
DIVISION MGR.: DS

- REVISIONS:
- 4 DIVISION REVISIONS NC19011NCP - 2/27/19 CTD
  - 5 2018 CODE UPDATE NC19051NCP / 03/15/19 / CTD
  - 6 DIVISION REVISIONS NC19052NCP - 06/02/19 FAB
  - 7 DIVISION REVISIONS NC20017NCP - 03/02/20 KBA
  - 8 REPLACED KEYNOTES NC20025NCP / 05/22/20 / KBA
  - 9 HOME OFFICE CORP20003CORP-08/20/20-CTD
  - 10 ADD DECKS & SUNROOM NC21014NCP-04/05/21-CTD
  - 11 DIVISION REVISION NC21057NCP - 10/25/21 - KBA
  - 12 DIVISION REVISION NC21056NCP - 10/25/21 - KBA

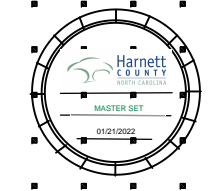
PLAN:  
**237.2723-R**  
SHEET:  
**TS**  
SPEC. LEVEL 1  
**RALEIGH-DURHAM  
40' SERIES**











**NORTH CAROLINA  
40' SERIES**

KB HOME  
NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD.  
SUITE 180  
DURHAM, NC 27703  
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FAX: (919) 544-2928

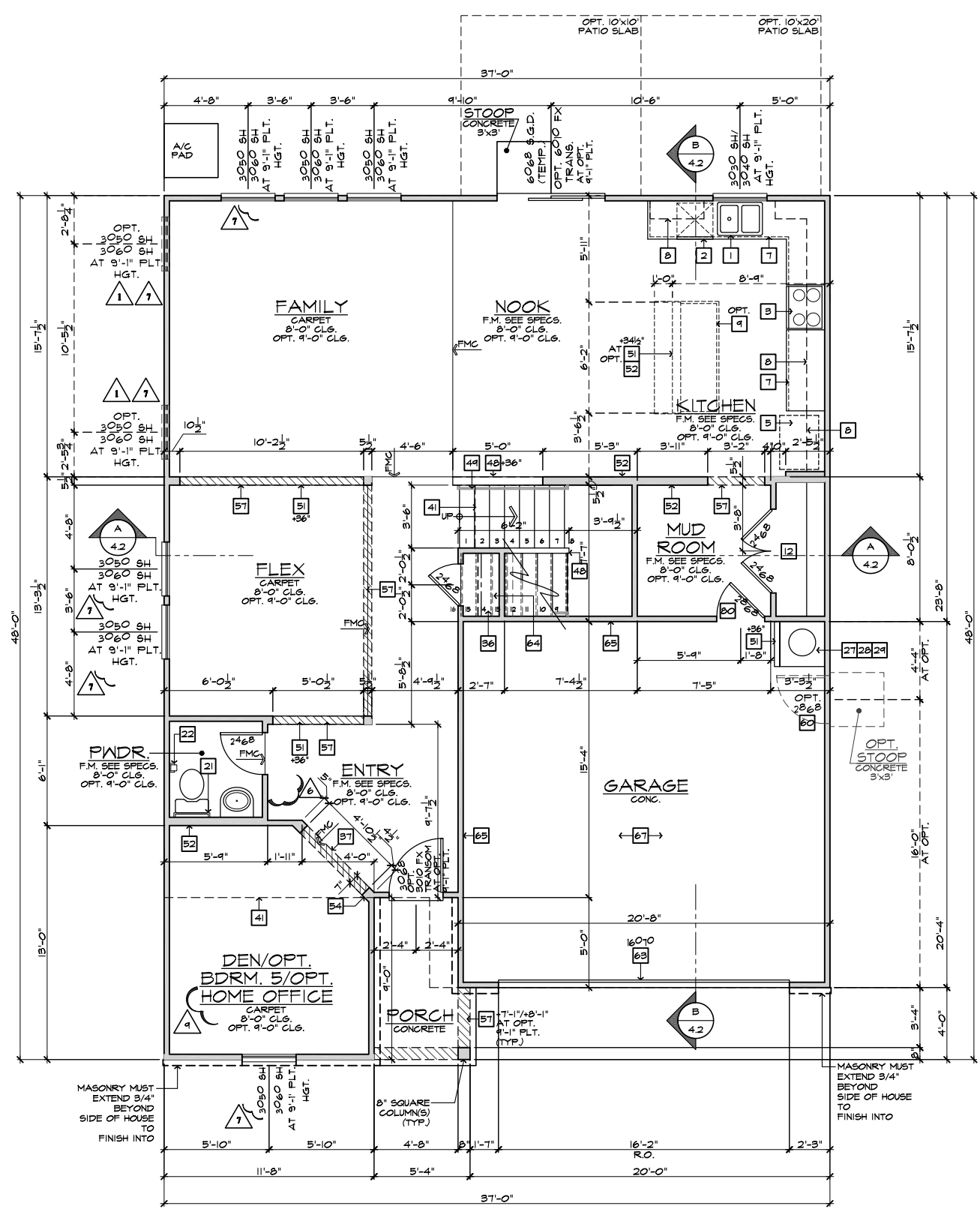
ISSUE DATE: 02/23/17  
PROJECT No.: 1350999:56  
DIVISION MGR.: DS

- REVISIONS:
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NC19015NCP / 2/27/19 CTD
  - 5 2018 CODE UPDATE  
NC19015NCP / 03/15/19 / CTD
  - 6 DIVISION REVISIONS  
NC19022NCP / 04/02/18 FAE
  - 7 DIVISION REVISIONS  
NC20077NCP / 03/02/20 KBA
  - 8 REPLACED KEYNOTES  
NC20025NCP / 05/22/20 / KBA
  - 9 HOME OFFICE  
CORP20090CORP-08/20/20-CTD
  - 10 ADD DECKS & SUNROOM  
NC21019NCP-04/05/21-CTD
  - 11 DIVISION REVISION  
NC21057NCP - 10/23/21 - KBA
  - 12 DIVISION REVISION  
NC21056NCP - 10/25/21 - KBA

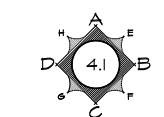
PLAN:  
**237.2723-R**  
SHEET:  
**1.1**

**SPEC. LEVEL 1  
RALEIGH-DURHAM  
40' SERIES**

- # FLOOR PLAN NOTES**
- 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 VENTED HOOD W/LIGHT & FAN, OR MICRO/HOOD COMBO - SEE SPECS
  4. 30" COOKTOP W/ BUILT-IN VENTED HOOD W/ LIGHT & FAN VERIFY WITH MANUFURS' SPECS
  5. 34" CLEAR REFRIGERATOR SPACE W/ OPTIONAL CABINETS ABOVE - OPT. PLUMBING FOR ICEMAKER (RECESSED IN WALL)
  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" BAR TOP/ BREAKFAST BAR
  11. DESK AREA - REFER TO INTERIOR ELEVATIONS
  12. BUILT-IN PANTRY (15" DEEP OR U.N.O.)
  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 - VERIFY DIMENSIONS W/ MANUF'S SPECS
  18. OVAL TUB - VERIFY DIMENSIONS WITH MANUF'S SPECS.
  19. PRE-FAB. SHOWER PAN W/ 30" MIN. CLR. INSIDE & MAINSCOT TO T2 - VERIFY DIMENSIONS W/ MANUF'S SPECS
  20. SHATTERPROOF (TEMPERED) GLASS SHOWER ENCLOSURE.
  21. TOWEL BAR - PROVIDE 2x SOLID BLK'G IN WALL
  22. TOILET PAPER HOLDER - PROVIDE 2x SOLID BLK'G IN WALL
  23. RESERVED
  24. WASHER & DRYER: - PROVIDE WATER & WASTE FOR WASHER - RECESS WASHER CONTROL VALVES IN WALL - VENT DRYER TO OUTSIDE AIR - ACCOMMODATE AIR DUCTS TO BE LOCATED WASHER AT LEFT AND DRYER AT RIGHT.
  25. 12" SHELF PER SPECS
  26. OPT. LAUNDRY SINK - REFER TO INTERIOR ELEV'S
  27. WATER HEATER LOCATION: - FOR GAS - LOCATE ON 10" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN. (REFER TO TB/AD4)
  28. R.A.S. LOCATION (SEE HVAC PLAN)
  29. MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
  30. FA.U. LOCATION (REFER TO DETAIL B8/AD5)
  31. RESERVED
  32. LISTED FACTORY-BUILT GAS FIRED DEC. APPLIANCE (REF. B0/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" DEEP OR U.N.O.)
  36. COAT CLOSET W/ SHELF & POLE (REFER TO DETAILS/AD4)
  37. WARDROBE W/ SHELF & ROPE (REFER TO DETAILS/AD4)
  38. 22"x30" MIN. ATTIC ACCESS  
25"x54" FULL DOWN LADDER R.O. ATTIC ACCESS TO BE PROTECTED
  39. LINE OF WALL BELOW
  40. DUCT CHASE/VOID SPACE - 1/2" GYP. BD. AT CL6. FIRE BLK.G.
  41. LINE OF FLOOR ABOVE
  42. LINE OF FLOOR BELOW
  43. LINE OF OPTIONAL TRAY CEILING (REFER TO DETAIL 42/AD5)
  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" TREAD & MAX. 7 3/4" RISER - (REFER TO DETAIL B1-B2/AD5)
  48. MIN. 36" HIGH GUARDRAIL (REFER TO DET. B3/AD5 & B5/AD5)
  49. 34" TO 36" HIGH HANDRAIL (REFER TO DETAIL B3/AD5)
  50. A/C PAD LOCATION  
30" A/C LINESET LOCATION
  51. LOW WALL - REFER TO PLAN FOR HEIGHT
  52. 2x6 STUD WALL
  53. 2x6 BALLOON FRAMED WALL PER STRUCTURAL
  54. DEL. 2x4 WALL PER PLAN
  55. INTERIOR SHELF-SEE PLAN FOR HT.
  56. MEDIA NICHE
  57. FLAT SOFFIT - SEE ELEV. FOR HGT.
  58. ARCHED SOFFIT - SEE ELEV. FOR HGT.
  59. WINDOW SEAT
  60. OPT. DOOR/ WINDOW
  61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)  
PYLON 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" GYP. BD. ON CEILING & WALLS @ USEABLE SPACE UNDER STAIR.
  65. 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.
  66. OPT. MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL B6/AD5)
  67. 3/8" TYPE-X GYP. IN GARAGE BETWEEN CEILING & FLOOR ABV.
  68. P.T. POST W/ WRAP
  69. CONCRETE STOOP, SIZE PER PLAN  
SLOPE 1/4" PER FT. MIN.
  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" BEYOND WINDOWS) 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.
  78. 1/2" PRELIM. GYP. BD. BEHIND TUB/SHOWER (TO MEET STC)
  79. SLOPING LOW WALL 38" ABOVE ADJACENT TREADS
  80. 20 MIN. FIRE-RATED DOOR



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



**INTERIOR KEY**

SQUARE FOOTAGE PLAN 237.2723-R		
FIRST FLOOR AREA	1295	SQ. FT.
SECOND FLOOR AREA	1408	SQ. FT.
<b>TOTAL AREA</b>	<b>2723</b>	<b>SQ. FT.</b>
GARAGE AREA		
PORCH AREA(S)		
ELEVATION 'A'	45	SQ. FT.
ELEVATION 'B'	41	SQ. FT.
ELEVATION 'C'	44	SQ. FT.
ELEVATION 'D'	147	SQ. FT.
PATIO AREA(S)		
10'x10' COVERED	100	SQ. FT.
10'x20' COVERED	200	SQ. FT.
DECK AREA(S)		
12'x12'	144	SQ. FT.
12'x23'	276	SQ. FT.
SUNROOM AREA	144	SQ. FT.

**PLATE NOTES**

- 8'-1" PLATE NOTES**
- WINDOW HEADER HEIGHT: 6'-8" U.N.O.
  - 2ND FLOOR WINDOW HDR. HEIGHT: 7'-0" U.N.O.
  - ENTRY DOOR HEIGHT: 6'-8" U.N.O.
  - SLIDING GLASS DOOR HEIGHT: 6'-8" (TEMP.)
  - INTERIOR SOFFIT HEIGHT: 7'-4" U.N.O.
  - INTERIOR DOOR HEIGHT: 6'-8" U.N.O.
- 9'-1" PLATE NOTES**
- WINDOW HEADER HEIGHT 1st OR 2nd: 7'-8" U.N.O.
  - 4010 WINDOW OVER TUB HDR. HGT.: 8'-4" U.N.O.
  - ENTRY DOOR HEIGHT: 6'-8" U.N.O.
  - SLIDING GLASS DOOR HEIGHT: 6'-8" (TEMP.)
  - INTERIOR SOFFIT HEIGHT: 8'-0" U.N.O.
  - TRAY CEILING: 7'-4" DROP U.N.O.
  - INTERIOR DOOR HEIGHT: 6'-8" U.N.O.

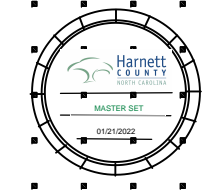
**STAIR DATA NOTES**

- FIRST FLOOR WITH 9'-1" PLATE HEIGHT:**  
14" DEEP T.J.I. FLOOR JOISTS WITH 3/4" T&G DECKING.  
14 TREADS AT 10" EACH  
15 RISERS AT 7-7/16" EACH
- FIRST FLOOR WITH 9'-4" PLATE HEIGHT:**  
14" DEEP T.J.I. FLOOR JOISTS WITH 3/4" T&G DECKING.  
15 TREADS AT 10" EACH  
16 RISERS AT 7-3/4" EACH

**GENERAL PLAN NOTES**

- ALL CEILING HEIGHTS PER SECTION AND ELEVATION PLATE HEIGHTS, U.N.O.
- ALL INTERIOR DOORS TO BE HOLLOW CORE 1 3/8" THICK, U.N.O. (REFER TO PLAN FOR SIZE).
- ALL GARAGE SERVICE DOORS TO BE HOLLOW CORE EXTERIOR GRADE (REFER TO PLAN FOR SIZE).
- ALL HOUSE TO GARAGE DOORS TO BE 20-MINUTE FIRE-RATED (REFER TO PLAN FOR SIZE).
- ALL ENTRY DOORS AND EXTERIOR FRENCH DOORS TO BE SOLID CORE 1 3/4" THICK (REFER TO PLAN FOR SIZE).
- ALL FLOOR MATERIAL CHANGES TO OCCUR AT CENTER OF DOOR JAMBES, U.N.O.

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**NORTH CAROLINA  
40' SERIES**

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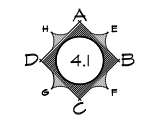
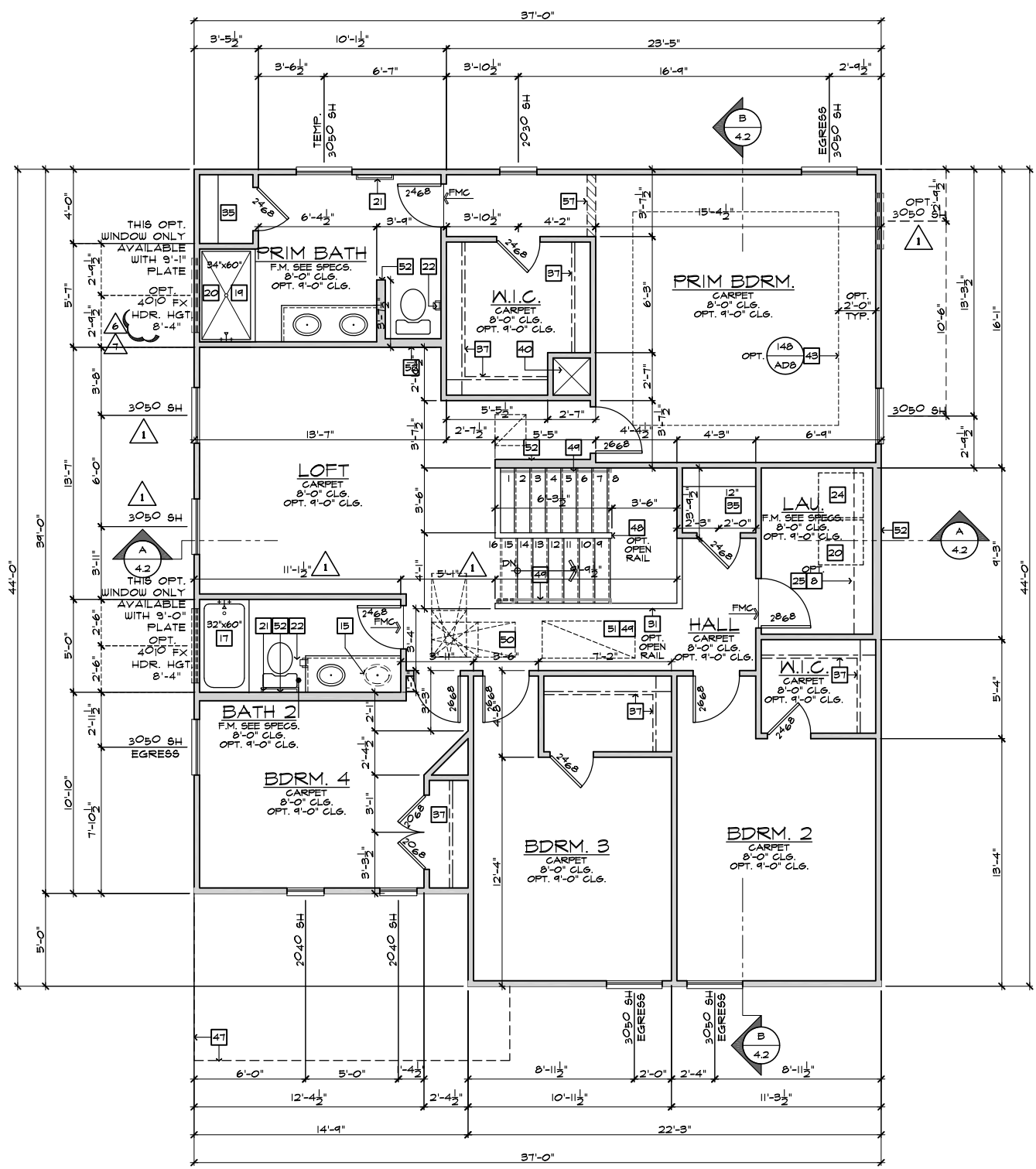
ISSUE DATE: 02/23/17  
PROJECT No.: 1350999:56  
DIVISION MGR.: DS

- REVISIONS:
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  - 7 DIVISION REVISIONS  
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  - 8 REPLACED KEYNOTES  
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  - 11 DIVISION REVISION  
NC21057NCP - 10/23/21 - KBA
  - 12 DIVISION REVISION  
NC21056NCP - 10/25/21 - KBA

PLAN:  
**237.2723-R**  
SHEET:  
**1.2**

SPEC. LEVEL 1  
**RALEIGH-DURHAM  
40' SERIES**

- # FLOOR PLAN NOTES**
- 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 VENTED HOOD W/LIGHT & FAN, OR MICRO/HOOD COMBO - SEE SPECS
  4. 30" COOKTOP W/ BUILT-IN VENTED HOOD W/ LIGHT & FAN VERIFY WITH MANUF'S SPECS
  5. 34" CLEAR REFRIGERATOR SPACE W/ OPTIONAL CABINETS ABOVE - OPT. PLUMBING FOR ICEMAKER (RECESSED IN WALL)
  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" BAR TOP/ BREAKFAST BAR
  11. DESK AREA - REFER TO INTERIOR ELEVATIONS
  12. BUILT-IN PANTRY (15" DEEP OR U.N.O.)
  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" - VERIFY DIMENSIONS W/ MANUF'S SPECS
  18. OVAL TUB - VERIFY DIMENSIONS WITH MANUF'S SPECS.
  19. PRE-FAB. SHOWER PAN W/ 30" MIN. CLR. INSIDE & MAINSCOT TO T2" - VERIFY DIMENSIONS W/ MANUF'S SPECS
  20. SHATTERPROOF (TEMPERED) GLASS SHOWER ENCLOSURE.
  21. TOWEL BAR - PROVIDE 2x SOLID BLK'G IN WALL
  22. TOILET PAPER HOLDER - PROVIDE 2x SOLID BLK'G IN WALL
  23. RESERVED
  24. WASHER & DRYER: - PROVIDE WATER & WASTE FOR WASHER - RECESS WASHER CONTROL VALVES IN WALL - VENT DRYER TO OUTSIDE AIR - ACCOMMODATE AIR DUCTS TO BE LOCATED WASHER AT LEFT AND DRYER AT RIGHT.
  25. 12" SHELF PER SPECS
  26. OPT. LAUNDRY SINK - REFER TO INTERIOR ELEVATIONS
  27. WATER HEATER LOCATION: - FOR GAS - LOCATE ON 10" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN. (REFER TO TS/AD4)
  28. R.A.S. LOCATION (SEE HVAC PLAN)
  29. MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
  30. FAUJ. LOCATION (REFER TO DETAIL 88/AD5)
  31. RESERVED
  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" DEEP OR U.N.O.)
  36. COAT CLOSET W/ SHELF & POLE (REFER TO DETAILS/AD4)
  37. WARDROBE W/ SHELF & ROPE (REFER TO DETAILS/AD4)
  38. 22"x30" MIN. ATTIC ACCESS  
25"x54" FULL DOWN LADDER R.O. ATTIC ACCESS TO BE PROTECTED
  39. LINE OF WALL BELOW
  40. DUCT CHASE/VOID SPACE - 1/2" GYP. BD. AT CL6. FIRE BLK6.
  41. LINE OF FLOOR ABOVE
  42. LINE OF FLOOR BELOW
  43. LINE OF OPTIONAL TRAY CEILING (REFER TO DETAIL 92/AD5)
  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" TREAD & MAX. 7 3/4" RISER - (REFER TO DETAIL 81-82/AD5)
  48. MIN. 36" HIGH GUARDWALL (REFER TO DET. 83/AD5 & 85/AD5)
  49. 34" TO 36" HIGH HANDRAIL (REFER TO DETAIL 83/AD5)
  50. A/C PAD LOCATION  
50A/A/C LINESET LOCATION
  51. LOW WALL - REFER TO PLAN FOR HEIGHT
  52. 2x6 STUD WALL
  53. 2x6 BALLOON FRAMED WALL PER STRUCTURAL
  54. DEL. 2x4 WALL PER PLAN
  55. INTERIOR SHELF-SEE PLAN FOR HT.
  56. MEDIA NICHE
  57. FLAT SOFFIT - SEE ELEV. FOR HST.
  58. ARCHED SOFFIT - SEE ELEV. FOR HST.
  59. WINDOW SEAT
  60. OPT. DOOR/ WINDOW
  61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)  
PYLON 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" GYP. BD. ON CEILINGS & WALLS @ USEABLE SPACE UNDER STAIR.
  65. 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.
  66. OPT. MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL 86/AD5)
  67. 5/8" TYPE-X GYP. IN GARAGE BETWEEN CEILING & FLOOR ABV.
  68. P.T. POST W/ WRAP
  69. CONCRETE STOOP, SIZE PER PLAN  
SLOPE 1/4" PER FT. MIN.
  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" BEYOND WINDOWS) 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.
  78. 1/2" PRELIM. GYP. BD. BEHIND TUB/SHOWER (TO MEET STC)
  79. SLOPING LOW WALL 30" ABOVE ADJACENT TREADS
  80. 20 MIN. FIRE-RATED DOOR



**INTERIOR KEY**

**PLATE NOTES**

**8'-1\"/>**

- WINDOW HEADER HEIGHT: 6'-8" U.N.O.
- 2nd FLOOR WINDOW HDR. HEIGHT: 7'-0" U.N.O.
- ENTRY DOOR HEIGHT: 6'-8" U.N.O.
- SLIDING GLASS DOOR HEIGHT: 6'-8" (TEMP.)
- INTERIOR SOFFIT HEIGHT: 7'-4" U.N.O.
- INTERIOR DOOR HEIGHT: 6'-8" U.N.O.

**9'-1\"/>**

- WINDOW HEADER HEIGHT 1st OR 2nd: 7'-8" U.N.O.
- 4010 WINDOW OVER TUB HDR. HGT.: 8'-4" U.N.O.
- ENTRY DOOR HEIGHT: 6'-8" U.N.O.
- SLIDING GLASS DOOR HEIGHT: 6'-8" (TEMP.)
- INTERIOR SOFFIT HEIGHT: 8'-0" U.N.O.
- TRAY CEILING: 7'4" DROP U.N.O.
- INTERIOR DOOR HEIGHT: 6'-8" U.N.O.

**STAIR DATA NOTES**

**FIRST FLOOR WITH 8'-1\"/>**

**FIRST FLOOR WITH 9'-1\"/>**

**GENERAL PLAN NOTES**

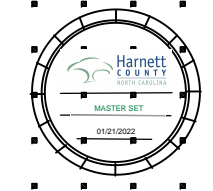
- ALL CEILING HEIGHTS PER SECTION AND ELEVATION PLATE HEIGHTS, U.N.O.
- ALL INTERIOR DOORS TO BE HOLLOW CORE 1 3/8" THICK, U.N.O. (REFER TO PLAN FOR SIZE).
- ALL GARAGE SERVICE DOORS TO BE HOLLOW CORE EXTERIOR GRADE (REFER TO PLAN FOR SIZE).
- ALL HOUSE TO GARAGE DOORS TO BE 20-MINUTE FIRE-RATED (REFER TO PLAN FOR SIZE).
- ALL ENTRY DOORS AND EXTERIOR FRENCH DOORS TO BE SOLID CORE 1 3/4" THICK (REFER TO PLAN FOR SIZE).
- ALL FLOOR MATERIAL CHANGES TO OCCUR AT CENTER OF DOOR JAMBES, U.N.O.

**SECOND FLOOR PLAN 'A'**

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

BASIC PLAN

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**NORTH CAROLINA  
40' SERIES**

KB HOME  
NORTH CAROLINA DIVISION

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

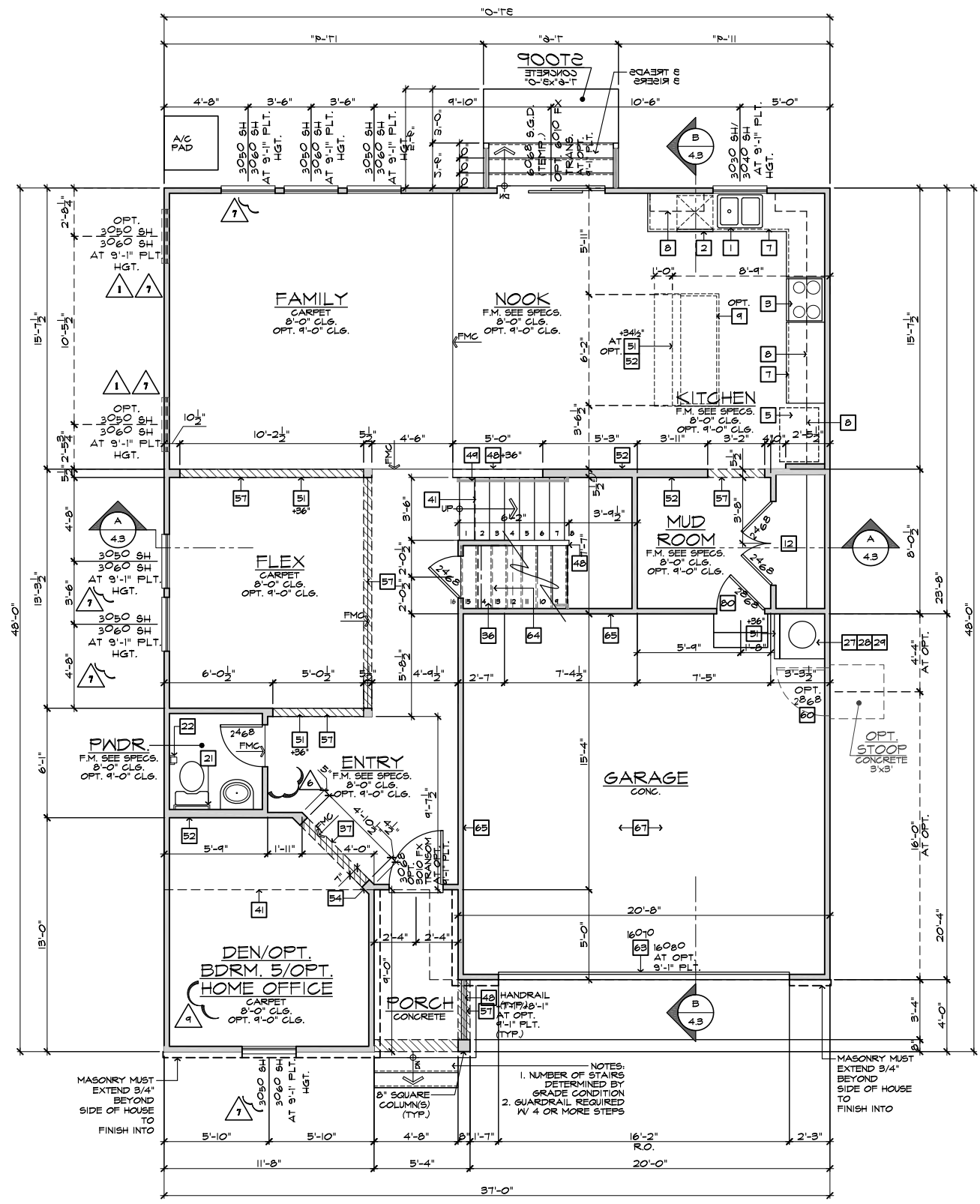
ISSUE DATE: 02/23/17  
PROJECT No.: 1350999:56  
DIVISION MGR.: DS

- REVISIONS:
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NC1901NCP / 2/27/19 CTD
  - 5 2018 CODE UPDATE  
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  - 6 DIVISION REVISIONS  
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  - 7 DIVISION REVISIONS  
NC2007NCP / 03/02/20 KBA
  - 8 REPLACED KEYNOTES  
NC2002NCP / 05/22/20 / KBA
  - 9 HOME OFFICE  
CORP2003CORP-08/20/20-CTD
  - 10 ADD DECKS & SUNROOM  
NC2101NCP-04/05/21-CTD
  - 11 DIVISION REVISION  
NC2105NCP - 10/23/21 - KBA
  - 12 DIVISION REVISION  
NC2105NCP - 10/23/21 - KBA

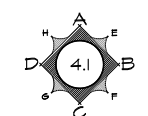
PLAN:  
**237.2723-R**  
SHEET:  
**1.3**

**SPEC. LEVEL 1  
RALEIGH-DURHAM  
40' SERIES**

- # FLOOR PLAN NOTES**
- 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 VENTED HOOD W/LIGHT & FAN, OR MICRO/HOOD COMBO - SEE SPECS
  4. 30" COOKTOP W/ BUILT-IN VENTED HOOD W/ LIGHT & FAN VERIFY WITH MANUFRS' SPECS
  5. 34" CLEAR REFRIGERATOR SPACE W/ OPTIONAL CABINETS ABOVE - OPT. PLUMBING FOR ICEMAKER (RECESSED IN WALL)
  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" BAR TOP/ BREAKFAST BAR
  11. DESK AREA - REFER TO INTERIOR ELEVATIONS
  12. BUILT-IN PANTRY (15" DEEP OR U.N.O.)
  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 - VERIFY DIMENSIONS W/ MANUF'S SPECS
  18. OVAL TUB - VERIFY DIMENSIONS WITH MANUF'S SPECS.
  19. PRE-FAB. SHOWER PAN W/ 30" MIN. CLR. INSIDE & MAINSCOT TO T2 - VERIFY DIMENSIONS W/ MANUF'S SPECS
  20. SHATTERPROOF (TEMPERED) GLASS SHOWER ENCLOSURE.
  21. TOWEL BAR - PROVIDE 2x SOLID BLK'S IN WALL
  22. TOILET PAPER HOLDER - PROVIDE 2x SOLID BLK'S IN WALL
  23. RESERVED
  24. WASHER & DRYER: - PROVIDE WATER & WASTE FOR WASHER - RECESS WASHER CONTROL VALVES IN WALL - VENT DRYER TO OUTSIDE AIR - ACCOMMODATE ABOVE APPLIANCES TO BE LOCATED WASHER AT LEFT AND DRYER AT RIGHT.
  25. 12" SHELF PER SPECS
  26. OPT. LAUNDRY SINK - REFER TO INTERIOR ELEV'S
  27. WATER HEATER LOCATION: - FOR GAS - LOCATE ON 10" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN. (REFER TO TB/AD4)
  28. R.A.S. LOCATION (SEE HVAC PLAN)
  29. MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
  30. FA.U. LOCATION (REFER TO DETAIL B8/AD5)
  31. RESERVED
  32. LISTED FACTORY-BUILT GAS FIRED DEC. APPLIANCE (REF. B0/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" DEEP OR U.N.O.)
  36. COAT CLOSET W/ SHELF & POLE (REFER TO DETAILS/AD4)
  37. WARDROBE W/ SHELF & POLE (REFER TO DETAILS/AD4)
  38. 22"x30" MIN. ATTIC ACCESS  
25"x54" FULL DOWN LADDER R.O. ATTIC ACCESS TO BE PROTECTED
  39. LINE OF WALL BELOW
  40. DUCT CHASE/VOID SPACE - 1/2" GYP. BD. AT CL6. FIRE BLK6.
  41. LINE OF FLOOR ABOVE
  42. LINE OF FLOOR BELOW
  43. LINE OF OPTIONAL TRAY CEILING (REFER TO DETAIL 92/AD5)
  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" TREAD & MAX. 7 3/4" RISER - (REFER TO DETAIL 81-82/AD5)
  48. MIN. 36" HIGH GUARDWALL (REFER TO DET. B3/AD5 & B5/AD5)
  49. 34" TO 36" HIGH HANDRAIL (REFER TO DETAIL B3/AD5)
  50. A/C PAD LOCATION  
30A/A/C LINESIT LOCATION
  51. LOW WALL - REFER TO PLAN FOR HEIGHT
  52. 2x6 STUD WALL
  53. 2x6 BALLOON FRAMED WALL PER STRUCTURAL
  54. DEL. 2x4 WALL PER PLAN
  55. INTERIOR SHELF-SEE PLAN FOR HT.
  56. MEDIA NICHE
  57. FLAT SOFFIT - SEE ELEV. FOR HGT.
  58. ARCHED SOFFIT - SEE ELEV. FOR HGT.
  59. WINDOW SEAT
  60. OPT. DOOR/ WINDOW
  61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)  
PYLON 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" GYP. BD. ON CEILING & WALLS @ USEABLE SPACE UNDER STAIR.
  65. 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.
  66. OPT. MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL B6/AD5)
  67. 3/8" TYPE-X GYP. IN GARAGE BETWEEN CEILING & FLOOR ABV.
  68. P.T. POST W/ WRAP
  69. CONCRETE STOOP, SIZE PER PLAN  
SLOPE 1/4" PER FT. MIN.
  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" BEYOND WINDOWS) 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.
  78. 1/2" PRELIM. GYP. BD. BEHIND TUB/SHOWER (TO MEET STC)
  79. SLOPING LOW WALL 38" ABOVE ADJACENT TREADS
  80. 20 MIN. FIRE-RATED DOOR



**FIRST FLOOR PLAN 'A' W/ CRAWL SPACE**  
SCALE 1/4"=1'-0" (22"x34") - 1/8"=1'-0" (11"x17") AT CRAWL SPACE



**INTERIOR KEY**

SQUARE FOOTAGE	
PLAN 237.2723-R	
FIRST FLOOR AREA	1295 SQ. FT.
SECOND FLOOR AREA	1488 SQ. FT.
<b>TOTAL AREA</b>	<b>2723 SQ. FT.</b>
GARAGE AREA	
PORCH AREA(S)	
ELEVATION 'A'	45 SQ. FT.
ELEVATION 'B'	47 SQ. FT.
ELEVATION 'C'	44 SQ. FT.
ELEVATION 'D'	147 SQ. FT.
PATIO AREA(S)	
10'x10' COVERED	100 SQ. FT.
10'x20' COVERED	200 SQ. FT.
PLATE NOTES	
8'-1" PLATE NOTES	
WINDOW HEADER HEIGHT:	6'-8" U.N.O.
2ND FLOOR WINDOW HDR. HEIGHT:	7'-0" U.N.O.
ENTRY DOOR HEIGHT:	6'-8" U.N.O.
SLIDING GLASS DOOR HEIGHT:	6'-8" (TEMP.)
INTERIOR SOFFIT HEIGHT:	7'-4" U.N.O.
INTERIOR DOOR HEIGHT:	6'-8" U.N.O.
9'-1" PLATE NOTES	
WINDOW HEADER HEIGHT 1st OR 2nd:	7'-8" U.N.O.
4010 WINDOW OVER TUB HDR. HGT.:	8'-4" U.N.O.
ENTRY DOOR HEIGHT:	6'-8" U.N.O.
SLIDING GLASS DOOR HEIGHT:	6'-8" (TEMP.)
INTERIOR SOFFIT HEIGHT:	8'-0" U.N.O.
TRAY CEILING:	7 1/4" DROP U.N.O.
INTERIOR DOOR HEIGHT:	6'-8" U.N.O.
STAIR DATA NOTES	
<b>FIRST FLOOR WITH 9 1/4" PLATE HEIGHT:</b>	
14" DEEP T.J.I. FLOOR JOISTS WITH 3/4" T&G DECKING.	
14 TREADS AT 10" EACH	
15 RISERS AT 7-7/16" EACH	
<b>FIRST FLOOR WITH 9 1/4" PLATE HEIGHT:</b>	
14" DEEP T.J.I. FLOOR JOISTS WITH 3/4" T&G DECKING.	
15 TREADS AT 10" EACH	
16 RISERS AT 7-3/4" EACH	
GENERAL PLAN NOTES	
ALL CEILING HEIGHTS PER SECTION AND ELEVATION PLATE HEIGHTS, U.N.O.	
ALL INTERIOR DOORS TO BE HOLLOW CORE 1 3/8" THICK, U.N.O. (REFER TO PLAN FOR SIZE).	
ALL GARAGE SERVICE DOORS TO BE HOLLOW CORE EXTERIOR GRADE (REFER TO PLAN FOR SIZE).	
ALL HOUSE TO GARAGE DOORS TO BE 20-MINUTE FIRE-RATED (REFER TO PLAN FOR SIZE).	
ALL ENTRY DOORS AND EXTERIOR FRENCH DOORS TO BE SOLID CORE 1 3/4" THICK (REFER TO PLAN FOR SIZE).	
ALL FLOOR MATERIAL CHANGES TO OCCUR AT CENTER OF DOOR JAMBES, U.N.O.	

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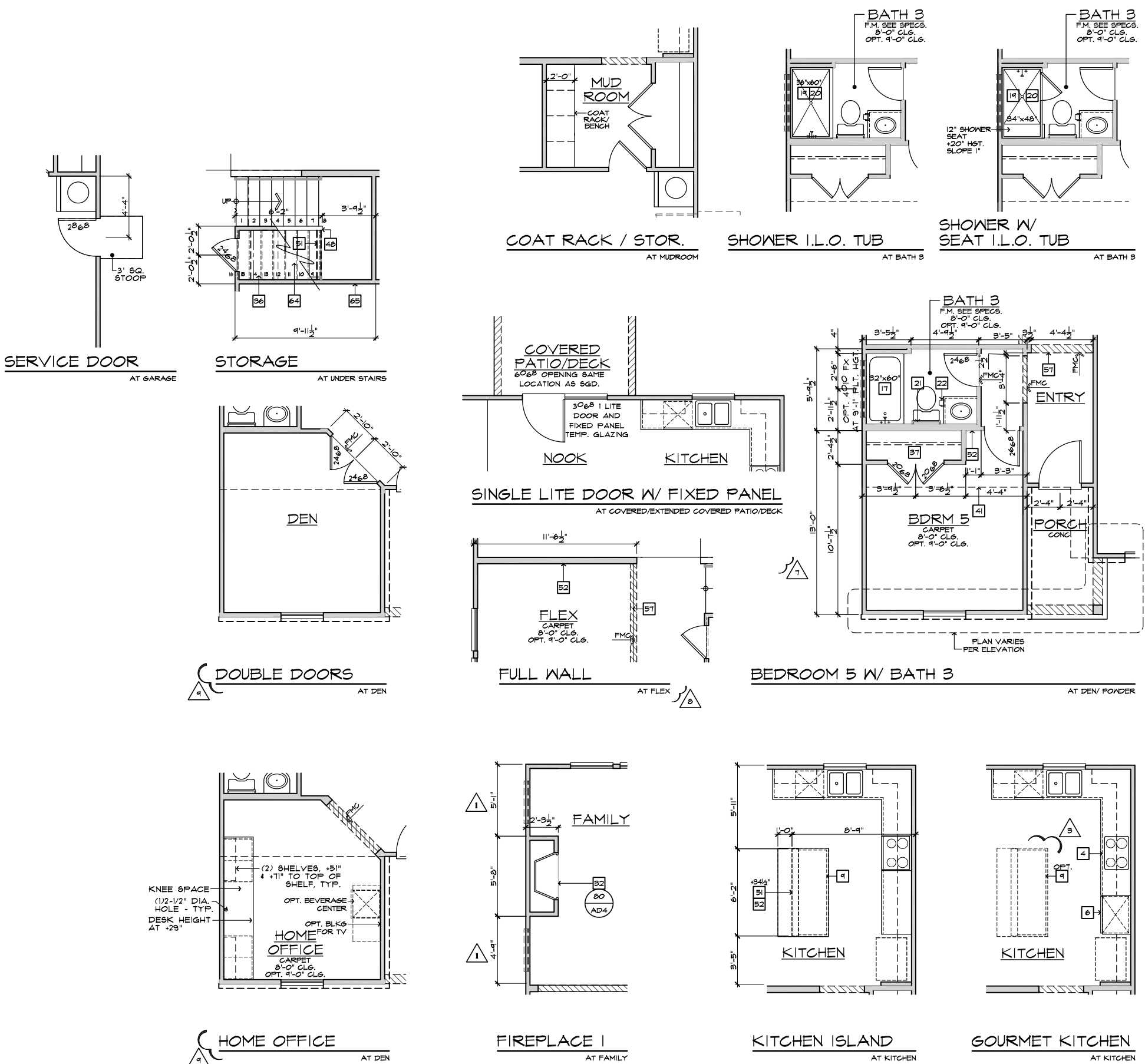
ISSUE DATE: 02/23/17  
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NC19011NCP / 2/27/19 CTD
- 5 2018 CODE UPDATE  
NC19015NCP / 03/15/19 / CTD
- 6 DIVISION REVISIONS  
NC19032NCP - 04/02/18 FAE
- 7 DIVISION REVISIONS  
NC20077NCP - 03/02/20 KBA
- 8 REPLACED KEYNOTES  
NC20025NCP / 05/22/20 / KBA
- 9 HOME OFFICE  
CORP20003CORP-08/28/20-CTD
- 10 ADD DECKS & SUNROOM  
NC21019NCP-04/05/21-CTD
- 11 DIVISION REVISION  
NC21057NCP - 10/25/21 - KBA
- 12 DIVISION REVISION  
NC21055NCP - 10/25/21 - KBA

PLAN:  
**237.2723-R**  
SHEET:  
**1.4**

SPEC. LEVEL 1  
RALEIGH-DURHAM  
**40' SERIES**

- # FLOOR PLAN NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
- SINK - GARBAGE DISPOSAL OPTIONAL - VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS
  - DISHWASHER - PROVIDE AIR GAP - VERIFY SPACING & DIMENSIONS PER MANUFACTURERS' SPECS
  - SLIDE-IN RANGE/OVEN COMBINATION W/ BUILT-IN VENTED HOOD W/LIGHT & FAN, OR MICRO/HOOD COMBO - SEE SPECS
  - 30" COOKTOP W/ BUILT-IN VENTED HOOD W/ LIGHT & FAN VERIFY WITH MANUFRS' SPECS
  - 34" CLEAR REFRIGERATOR SPACE W/ OPTIONAL CABINETS ABOVE - OPT. PLUMBING FOR ICEMAKER (RECESSED IN WALL)
  - COMBINATION DOUBLE OVEN OR OVEN/MICROWAVE OVEN OR OVEN VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS
  - BASE CABINETS - REFER TO INTERIOR ELEVATIONS
  - UPPER CABINETS - REFER TO INTERIOR ELEVATIONS
  - ISLAND CABINET - REFER TO INTERIOR ELEVATIONS
  - MIN. 12" BAR TOP/ BREAKFAST BAR
  - DESK AREA - REFER TO INTERIOR ELEVATIONS
  - BUILT-IN PANTRY (15" DEEP OR U.N.O.)
  - SINK CABINET(S) - REFER TO INTERIOR ELEVATIONS
  - SINK CABINET W/ EXTENDED VANITY & KNEE SPACE BELOW - REFER TO INTERIOR ELEVATIONS
  - OPT. SINK - REFER TO INTERIOR ELEVATIONS.
  - KNEE SPACE - REFER TO INTERIOR ELEVATIONS
  - PRE-FAB. TUB/SHOWER COMBO W/ FIBERGLASS MAINSCOT TO 72" - VERIFY DIMENSIONS W/ MANUF'S SPECS
  - OVAL TUB - VERIFY DIMENSIONS WITH MANUF'S SPECS.
  - PRE-FAB. SHOWER PAN W/ 30" MIN. CLR. INSIDE & MAINSCOT TO 72" - VERIFY DIMENSIONS W/ MANUF'S SPECS
  - SHATTERPROOF (TEMPERED) GLASS SHOWER ENCLOSURE.
  - TOWEL BAR - PROVIDE 2x SOLID BLK'S IN WALL
  - TOILET PAPER HOLDER - PROVIDE 2x SOLID BLK'S IN WALL
  - RESERVED
  - WASHER & DRYER: - PROVIDE WATER & WASTE FOR WASHER - RECESS WASHER CONTROL VALVES IN WALL - VENT DRYER TO OUTSIDE AIR - ACCOMMODATE APPLIANCES TO BE LOCATED WASHER AT LEFT AND DRYER AT RIGHT.
  - 12" SHELF PER SPECS
  - OPT. LAUNDRY SINK - REFER TO INTERIOR ELEV'S
  - WATER HEATER LOCATION: - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN. (REFER TO TB/AD4)
  - R.A.S. LOCATION (SEE HVAC PLAN)
  - MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
  - FAUJ. LOCATION (REFER TO DETAIL 88/AD5)
  - RESERVED
  - LISTED FACTORY-BUILT GAS FIRED DEC. APPLIANCE (REF. 80/AD4) - INSTALL PER MFR. SPECS
  - HEARTH TO BE INSTALLED PER FACTORY-BUILT FIREPLACE LISTING
  - GAS APPLIANCE B' VENT FROM BELOW
  - LINEN PER SPECS (15" DEEP OR U.N.O.)
  - COAT CLOSET W/ SHELF & POLE (REFER TO DETAILS/TB/AD4)
  - WARDROBE W/ SHELF & POLE (REFER TO DETAILS/TB/AD4)
  - 22"x30" MIN. ATTIC ACCESS  
25"x54" FULL DOWN LADDER R.O. ATTIC ACCESS TO BE PROTECTED
  - LINE OF WALL BELOW
  - DUCT CHASE/VOID SPACE - 1/2" GYP. BD. AT CL6. FIRE BLK6.
  - LINE OF FLOOR ABOVE
  - LINE OF FLOOR BELOW
  - LINE OF OPTIONAL TRAY CEILING (REFER TO DETAIL 92/AD5)
  - LINE OF HIP AT OPTIONAL VOLUME CEILING
  - LINE OF RIDGE AT OPTIONAL VOLUME CEILING
  - CEILING BREAK
  - STAIR TREADS & RISERS: - MIN. 10" TREAD & MAX. 7 3/4" RISER - (REFER TO DETAIL 81-82/AD5)
  - MIN. 36" HIGH GUARDWALL (REFER TO DET. 83/AD5 & 85/AD5)
  - 34" TO 36" HIGH HANDRAIL (REFER TO DETAIL 83/AD5)
  - A/C PAD LOCATION  
30A/C LINESET LOCATION
  - LOW WALL - REFER TO PLAN FOR HEIGHT
  - 2x6 STUD WALL
  - 2x6 BALLOON FRAMED WALL PER STRUCTURAL
  - DEL. 2x4 WALL PER PLAN
  - INTERIOR SHELF-SEE PLAN FOR HT.
  - MEDIA NICHE
  - FLAT SOFFIT - SEE ELEV. FOR HST.
  - ARCHED SOFFIT - SEE ELEV. FOR HST.
  - WINDOW SEAT
  - OPT. DOOR/ WINDOW
  - PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.)  
PYLON OR EQ. SURROUNDING STRUCTURAL POST.
  - BRICK / STONE VENEER - REFER TO ELEVATIONS  
VENEER TO COMPLY WITH THE N.C.-R.
  - SECTIONAL GARAGE DOOR PER SPECS
  - MIN. 1/2" GYP. BD. ON CEILING & WALLS @ USEABLE SPACE UNDER STAIR.
  - 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.
  - OPT. MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL 86/AD5)
  - 5/8" TYPE-X GYP. IN GARAGE BETWEEN CEILING & FLOOR ABV.
  - P.T. POST W/ WRAP
  - CONCRETE STOOP, SIZE PER PLAN  
SLOPE 1/4" PER FT. MIN.
  - EGRESS WINDOW
  - PROVIDE ADDITIONAL RISER(S) AT OPTIONAL PLATE HT.
  - MDF TOP
  - PLUMBING DROP FROM ABOVE
  - ADJUST OPENING AT OPTION TO FIT THE DOOR SIZE SHOWN
  - WINDOW LEDGE: HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOWS) 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.
  - 1/2" PRELIM. GYP. BD. BEHIND TUB/SHOWER (TO MEET STC)
  - SLOPING LOW WALL 38" ABOVE ADJACENT TREADS
  - 20 MIN. FIRE-RATED DOOR



**FIRST FLOOR PLAN OPTIONS**

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

BASIC PLAN

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# NORTH CAROLINA 40' SERIES

KB HOME NORTH CAROLINA DIVISION

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

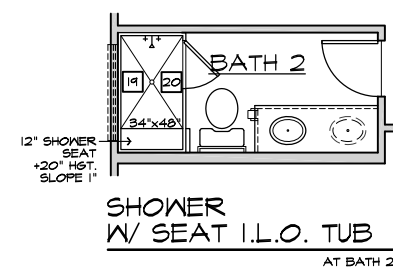
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- 12 DIVISION REVISION NC2105NCP - 10/23/21 - KBA

PLAN: 237.2723-R SHEET: 1.5

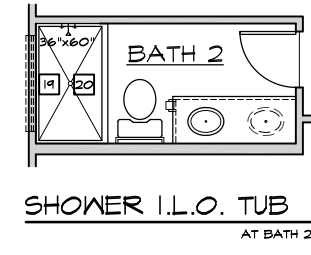
SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

- ### # FLOOR PLAN NOTES
- 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 VENTED HOOD W/LIGHT & FAN, OR MICRO/HOOD COMBO - SEE SPECS
  4. 30" COOKTOP W/ BUILT-IN VENTED HOOD W/ LIGHT & FAN - VERIFY WITH MANUFRS' SPECS
  5. 34" CLEAR REFRIGERATOR SPACE W/ OPTIONAL CABINETS ABOVE - OPT. PLUMBING FOR ICEMAKER (RECESSED IN WALL)
  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" BAR TOP/ BREAKFAST BAR
  11. DESK AREA - REFER TO INTERIOR ELEVATIONS
  12. BUILT-IN PANTRY (15" DEEP OR U.N.O.)
  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" - VERIFY DIMENSIONS W/ MANUF'S SPECS
  18. OVAL TUB - VERIFY DIMENSIONS WITH MANUF'S SPECS.
  19. PRE-FAB. SHOWER PAN W/ 30" MIN. CLR. INSIDE & MAINSCOT TO T2" - VERIFY DIMENSIONS W/ MANUF'S SPECS
  20. SHATTERPROOF (TEMPERED) GLASS SHOWER ENCLOSURE.
  21. TOWEL BAR - PROVIDE 2x SOLID BLK'G IN WALL
  22. TOILET PAPER HOLDER - PROVIDE 2x SOLID BLK'G IN WALL
  23. RESERVED
  24. WASHER & DRYER: - PROVIDE WATER & WASTE FOR WASHER - RECESS WASHER CONTROL VALVES IN WALL - VENT DRYER TO OUTSIDE AIR - ACCOMMODATE APPLIANCES TO BE LOCATED WASHER AT LEFT AND DRYER AT RIGHT.
  25. 12" SHELF PER SPECS
  26. OPT. LAUNDRY SINK - REFER TO INTERIOR ELEV'S
  27. WATER HEATER LOCATION: - FOR GAS - LOCATE ON 10" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO TB/AD4)
  28. R.A.S. LOCATION (SEE HVAC PLAN)
  29. MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
  30. FA.U. LOCATION (REFER TO DETAIL 08/ADS)
  31. RESERVED
  32. LISTED FACTORY-BUILT GAS FIRED DEC. APPLIANCE (REF. 00/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" DEEP OR U.N.O.)
  36. COAT CLOSET W/ SHELF & POLE (REFER TO DETAILS TB/AD4)
  37. WARDROBE W/ SHELF & POLE (REFER TO DETAILS TB/AD4)
  38. 22"x30" MIN. ATTIC ACCESS 25"x54" FULL DOWN LADDER R.O. ATTIC ACCESS TO BE PROTECTED
  39. LINE OF WALL BELOW
  40. DUCT CHASE/VOID SPACE - 1/2" GYP. BD. AT CL6. FIRE BLK.G.
  41. LINE OF FLOOR ABOVE
  42. LINE OF FLOOR BELOW
  43. LINE OF OPTIONAL TRAY CEILING (REFER TO DETAIL 92/ADS)
  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" TREAD & MAX. 7 3/4" RISER - (REFER TO DETAIL 01-02/ADS)
  48. MIN. 36" HIGH GUARDWALL (REFER TO DET. 03/ADS & 05/ADS)
  49. 34" TO 36" HIGH HANDRAIL (REFER TO DETAIL 03/ADS)
  50. A/C PAD LOCATION 30A/A/C LINES/ET LOCATION
  51. LOW WALL - REFER TO PLAN FOR HEIGHT
  52. 2x6 STUD WALL
  53. 2x6 BALLOON FRAMED WALL PER STRUCTURAL
  54. DEL. 2x4 WALL PER PLAN
  55. INTERIOR SHELF-SEE PLAN FOR HT.
  56. MEDIA NICHE
  57. FLAT SOFFIT - SEE ELEV. FOR HGT.
  58. ARCHED SOFFIT - SEE ELEV. FOR HGT.
  59. WINDOW SEAT
  60. OPT. DOOR/ WINDOW
  61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) PYLON 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" GYP. BD. ON CEILING & WALLS @ USEABLE SPACE UNDER STAIR.
  65. 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.
  66. OPT. MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL 06/ADS)
  67. 5/8" TYPE-X GYP. IN GARAGE BETWEEN CEILING & FLOOR ABV.
  68. P.T. POST W/ WRAP
  69. CONCRETE STOOP. SIZE PER PLAN SLOPE 1/4" PER FT. MIN.
  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" BEYOND WINDOWS) 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.
  78. 1/2" PRELIM. GYP. BD. BEHIND TUB/SHOWER (TO MEET STC)
  79. SLOPING LOW WALL 30" ABOVE ADJACENT TREADS
  80. 20 MIN. FIRE-RATED DOOR

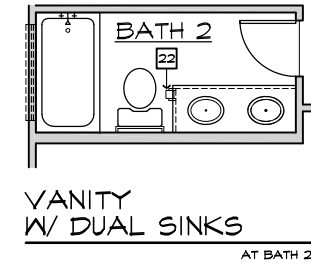


12" SHOWER SEAT +20" HGT. SLOPE 1"

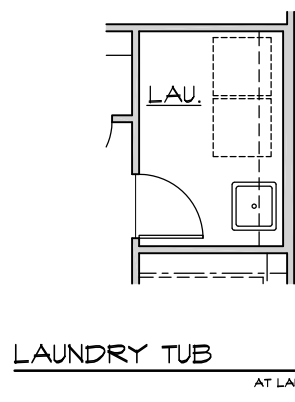
SHOWER W/ SEAT I.L.O. TUB AT BATH 2



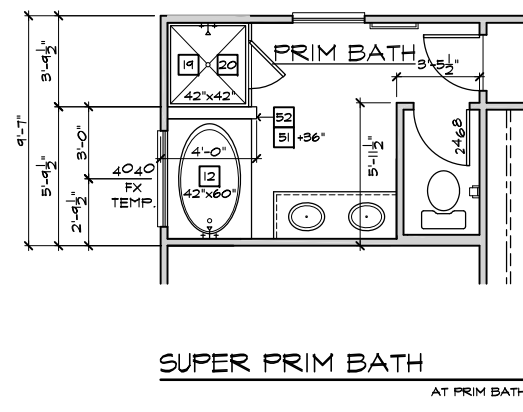
SHOWER I.L.O. TUB AT BATH 2



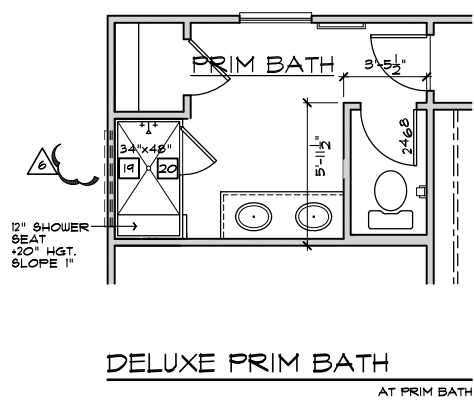
VANITY W/ DUAL SINKS AT BATH 2



LAUNDRY TUB AT LAU.



SUPER PRIM BATH AT PRIM BATH



DELUXE PRIM BATH AT PRIM BATH

## SECOND FLOOR PLAN OPTIONS

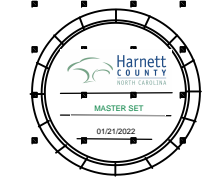
SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

BASIC PLAN



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- # 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 OPENINGS.
  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 OPENINGS.
  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.



**NORTH CAROLINA  
40' SERIES**

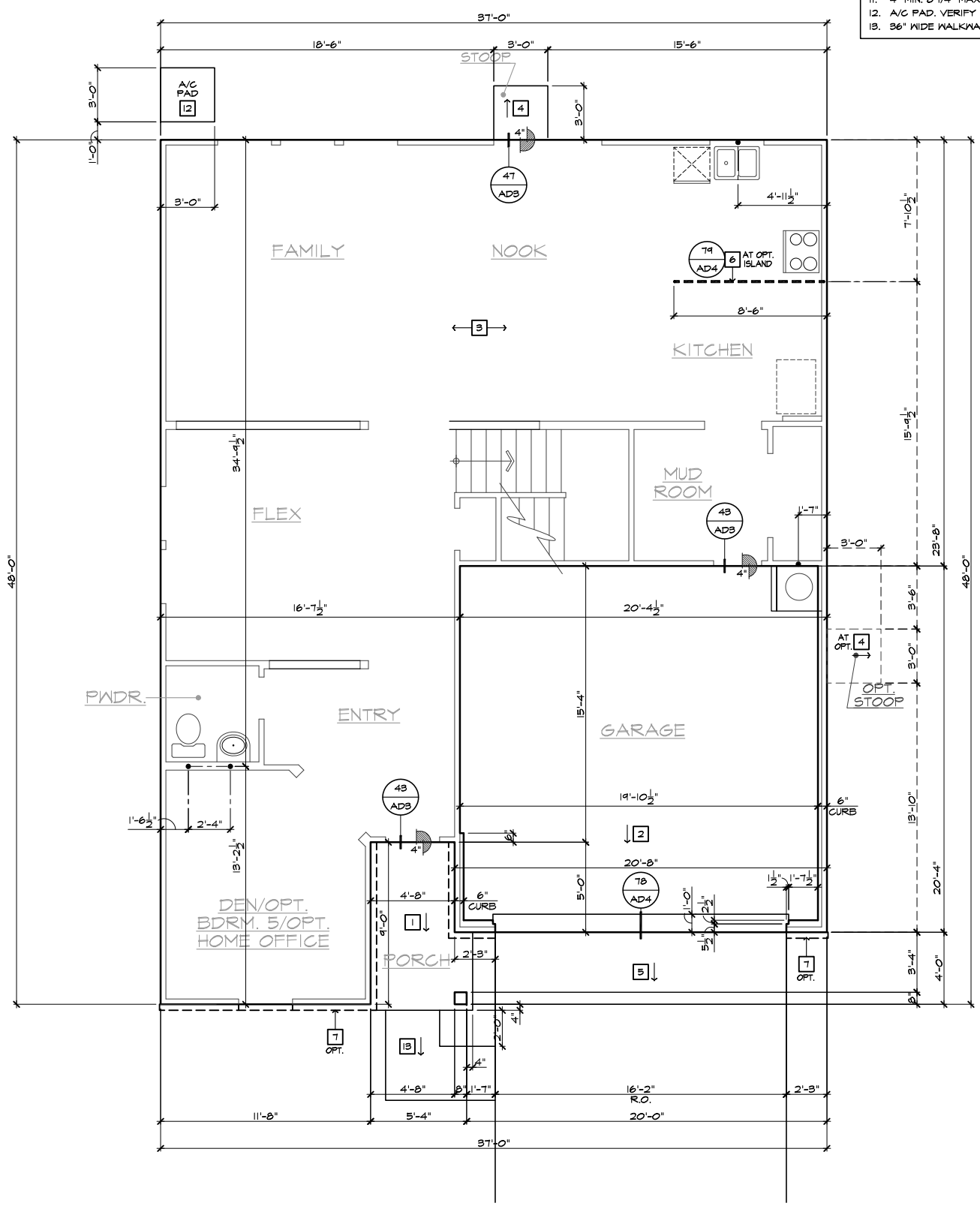
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PLAN:  
**237.2723-R**  
SHEET:  
**2.1**

SPEC. LEVEL 1  
RALEIGH-DURHAM  
40' SERIES

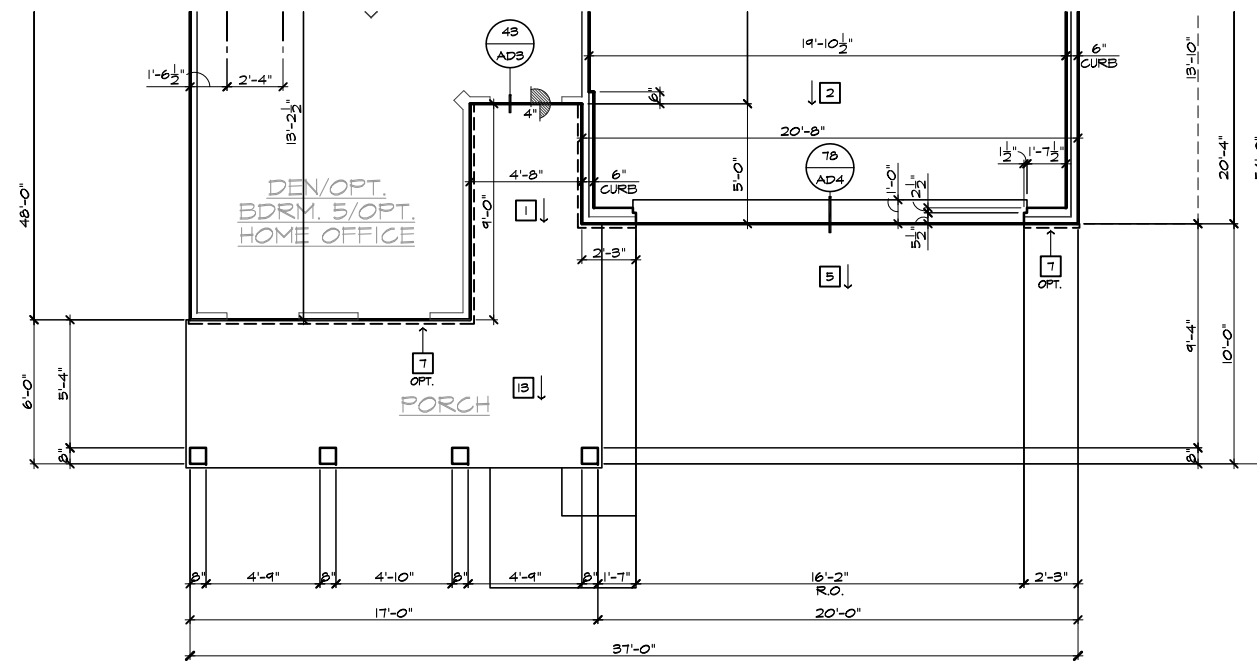


**SLAB INTERFACE PLAN 'A'**

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

BASIC PLAN AT SLAB-ON-GRADE

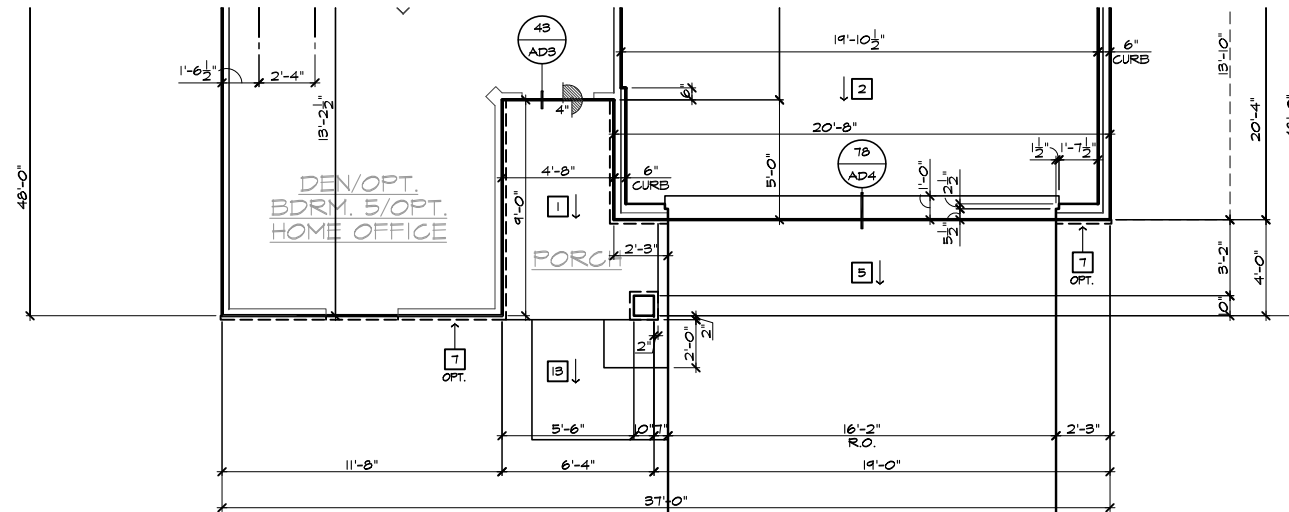
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**PARTIAL SLAB INTERFACE PLAN 'D'**

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

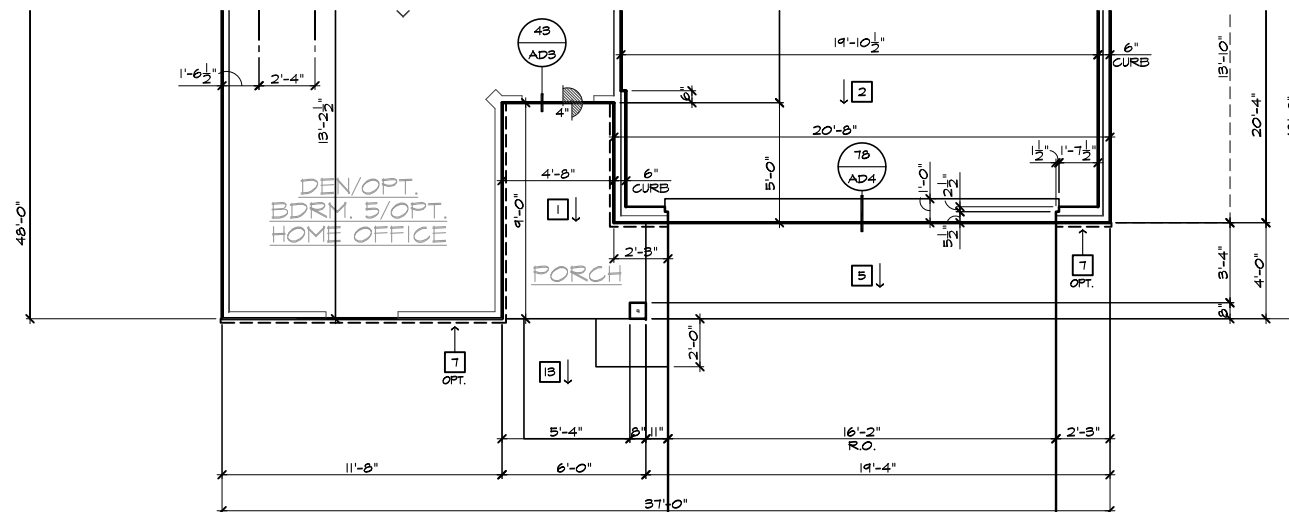
BASIC PLAN AT SLAB-ON-GRADE



**PARTIAL SLAB INTERFACE PLAN 'C'**

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

BASIC PLAN AT SLAB-ON-GRADE



**PARTIAL SLAB INTERFACE PLAN 'B'**

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

BASIC PLAN AT SLAB-ON-GRADE

- # SLAB PLAN NOTES**
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  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. Ø 1/4" MAX. TO HARD SURFACE.
  12. A/C PAD. VERIFY LOCATION.
  13. 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.



**NORTH CAROLINA 40' SERIES**

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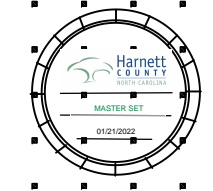
PLAN:  
**237.2723-R**  
SHEET:  
**2.2**

SPEC. LEVEL 1  
RALEIGH-DURHAM  
**40' SERIES**

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

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- # FOUNDATION PLAN NOTES** 2018 NC-C
- NOTE: NOT ALL KEY NOTES APPLY.
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  2. CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER 1'-0" MIN. TOWARD DOOR OPENING.
  3. FOUNDATION PER STRUCTURAL.
  4. STAIR LANDING: 36"x36" MIN.
  5. CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING.
  6. PROVIDE UNDER FLOOR VENTILATION.
  7. 4" TOE KICK 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 LOCATION OF PIER FOOTINGS PER STRUCTURAL.
  11. 4" MIN. 7 3/4" MAX. TO HARD SURFACE.
  12. A/C PAD. VERIFY LOCATION.
  13. CRAWL SPACE ACCESS.
  14. 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.



**NORTH CAROLINA  
40' SERIES**

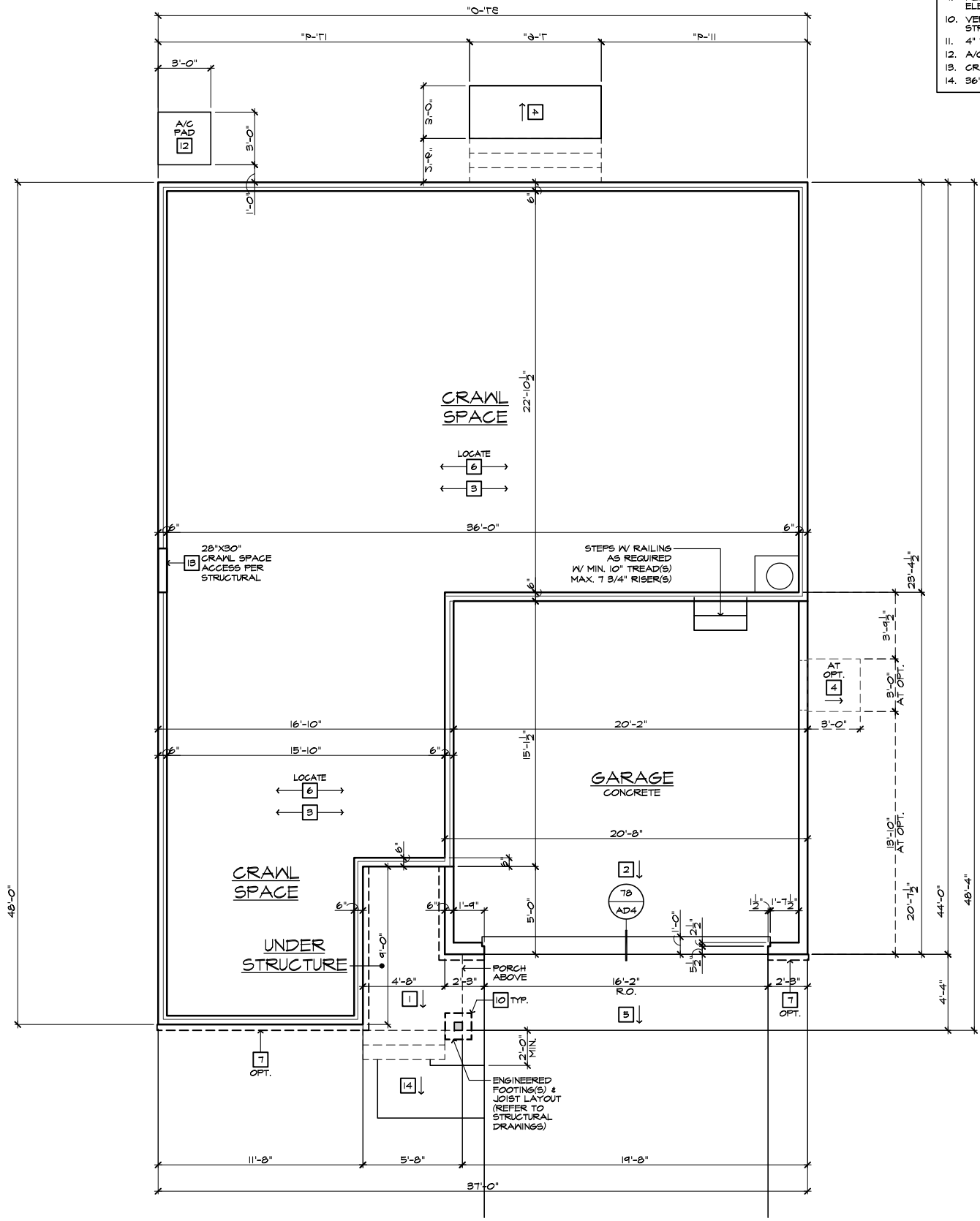
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PLAN:  
**237.2723-R**  
SHEET:  
**2.3**

SPEC. LEVEL 1  
RALEIGH-DURHAM  
40' SERIES



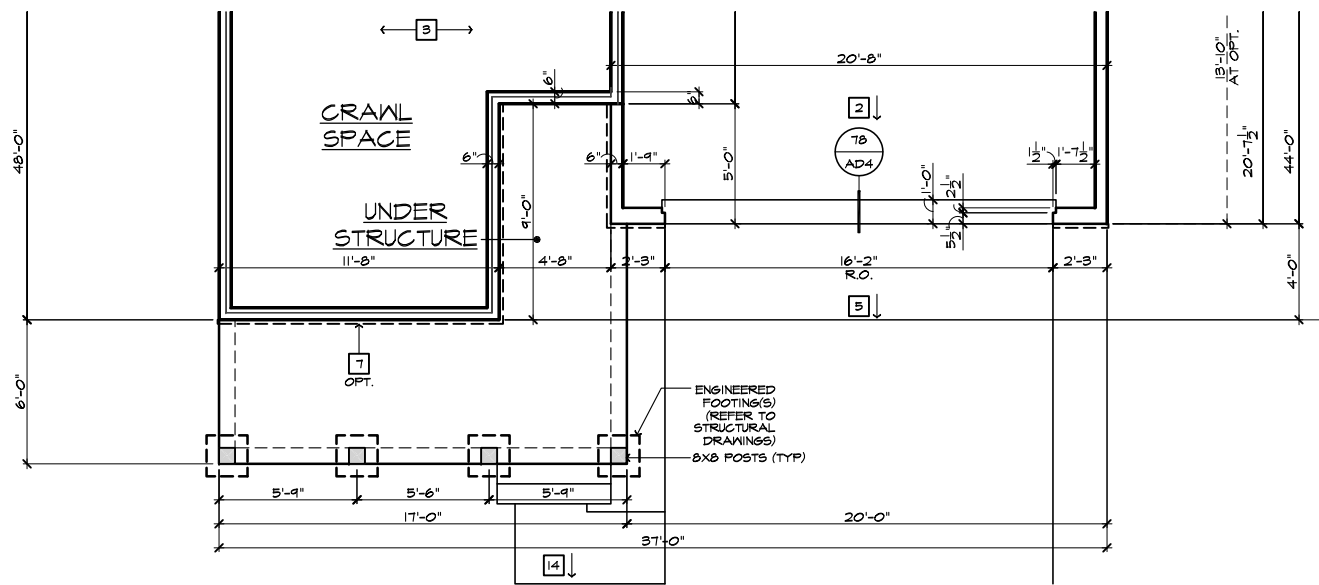
**CRAWL SPACE PLAN 'A'**

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

BASIC PLAN AT CRAWL SPACE

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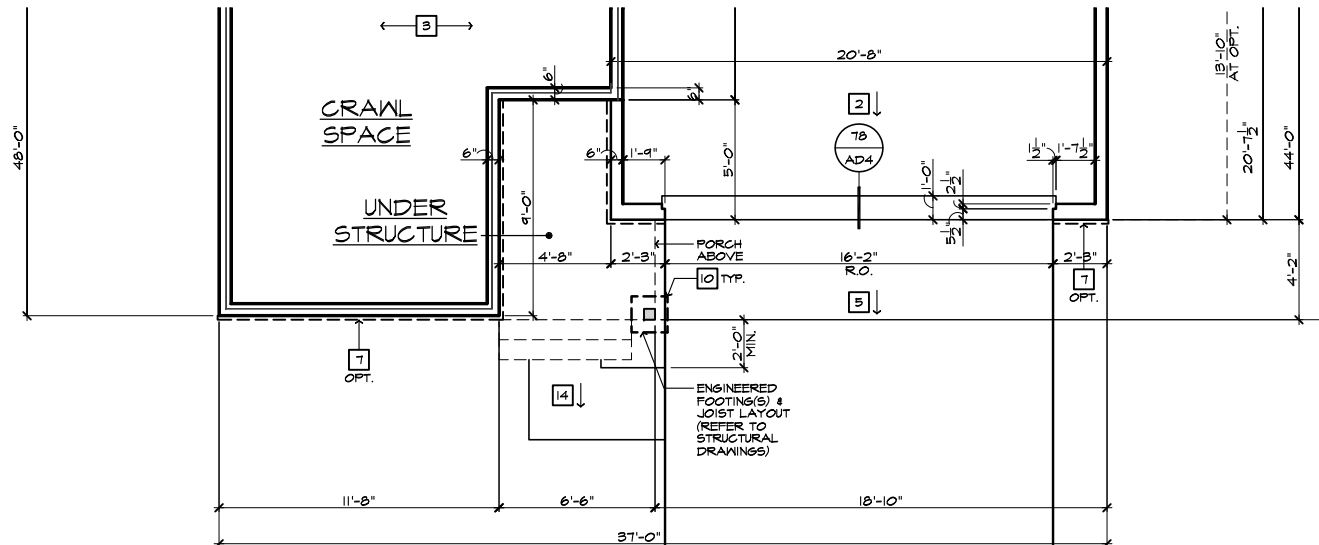


- # FOUNDATION PLAN NOTES** 2018 NC-C
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  3. FOUNDATION PER STRUCTURAL.
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  5. CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING.
  6. PROVIDE UNDER FLOOR VENTILATION
  7. 4" TOE KICK 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 LOCATION OF PIER FOOTINGS PER STRUCTURAL.
  11. 4" MIN. 7 3/4" MAX. TO HARD SURFACE.
  12. A/C PAD. VERIFY LOCATION.
  13. CRAWL SPACE ACCESS
  14. 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

PARTIAL CRAWL SPACE PLAN 'D'

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

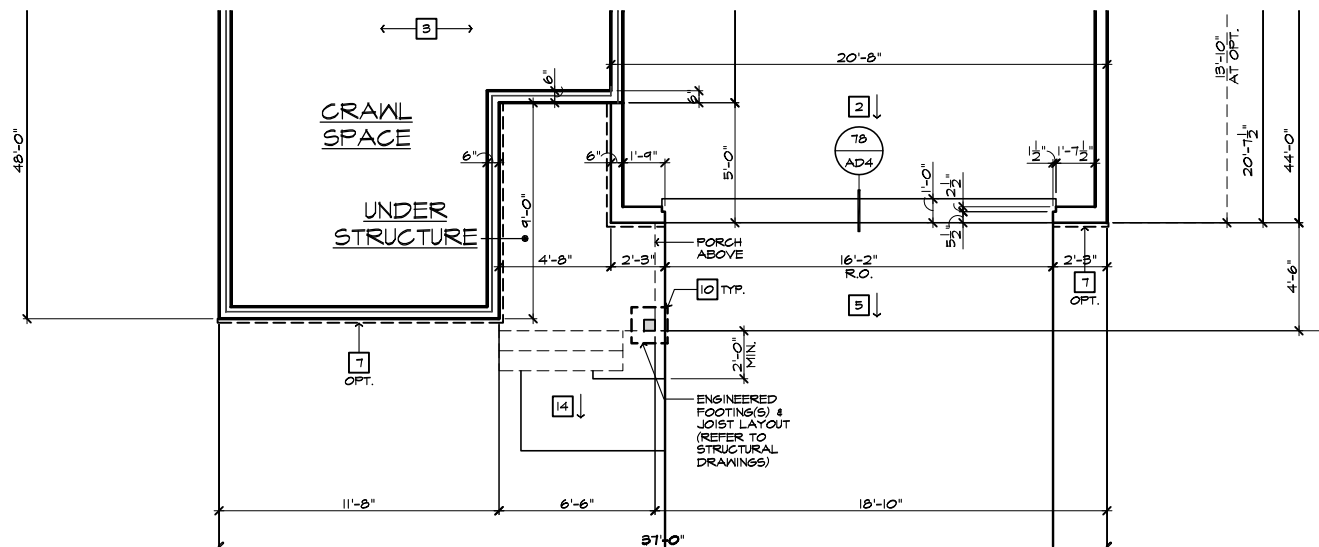
BASIC PLAN AT CRAWL SPACE



PARTIAL CRAWL SPACE PLAN 'C'

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

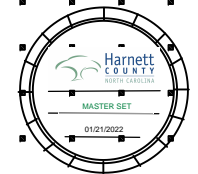
BASIC PLAN AT CRAWL SPACE



PARTIAL CRAWL SPACE PLAN 'B'

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

BASIC PLAN AT CRAWL SPACE



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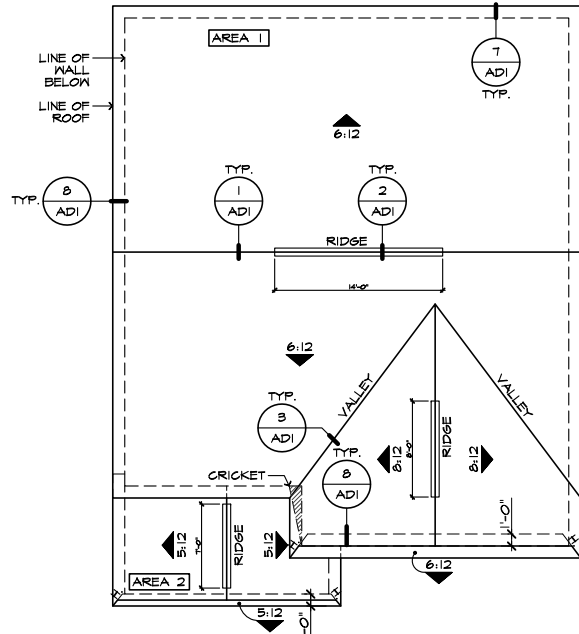
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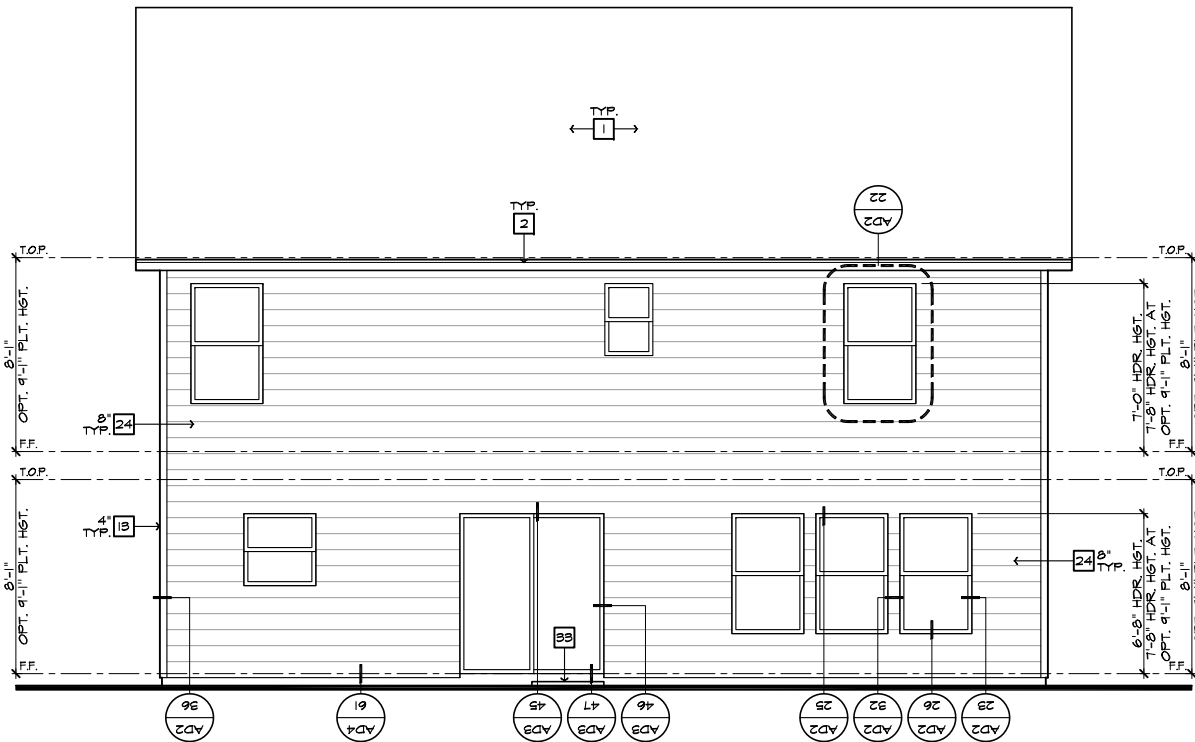
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SPEC. LEVEL 1  
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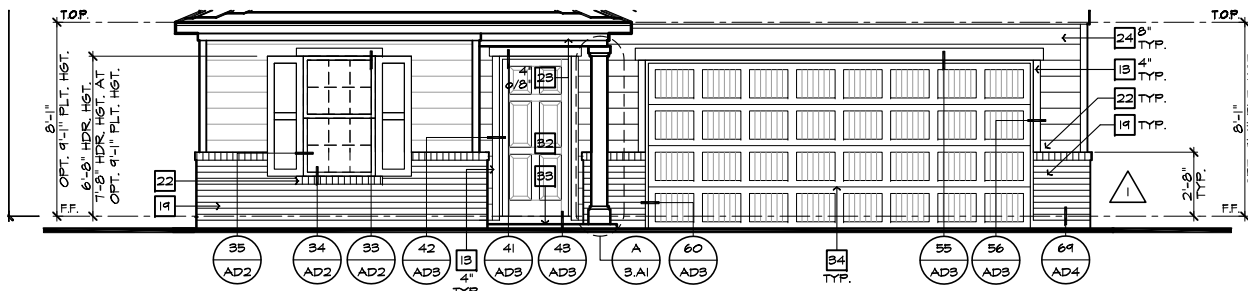
**ROOF PLAN 'A'**  
SCALE 1/8"=1'-0" (22'x34') - 1/16"=1'-0" (11'x17')



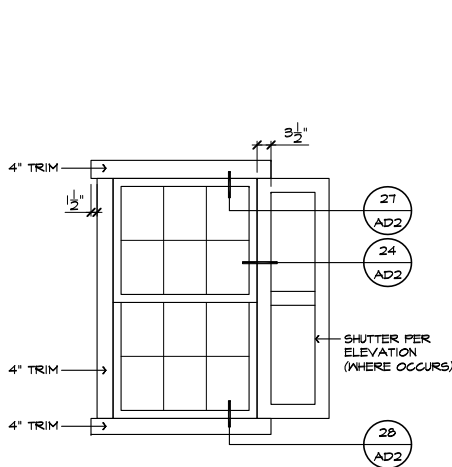
**REAR ELEVATION 'A'**  
SCALE 1/4"=1'-0" (22'x34') - 1/8"=1'-0" (11'x17')



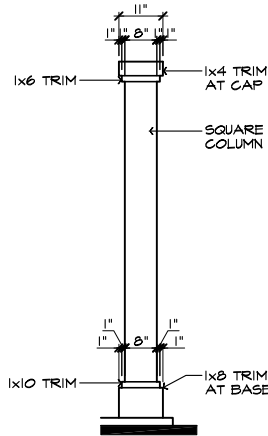
**FRONT ELEVATION 'A'**  
SCALE 1/4"=1'-0" (22'x34') - 1/8"=1'-0" (11'x17')



**PARTIAL FRONT ELEVATION 'A' W/ MASONRY OPTION**  
SCALE 1/4"=1'-0" (22'x34') - 1/8"=1'-0" (11'x17')



**DETAIL 'B'**  
SCALE: N.T.S.



**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. 6:1. FLASHING
  4. 6:1. FLASHING & SADDLE/CRICKET
  5. 6:1. 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 PER SPEC- SEE ELEVATION FOR SIZE
  14. EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
  15. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
  16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
  17. FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
  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. FIBER-CEMENT SIDING PER SPECS
  25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
  26. PRE-FAB DECORATIVE TRIM
  27. LIGHT WEIGHT PRECAST STONE TRIM
  28. P.T. LUMBER RAILINGS (36" U.N.O.)
  29. FIBER-CEMENT SMOOTH BOARD SEE SPECS
  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

**ROOF PLAN NOTES 'A'**

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 VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS (LOW VENTING) (2018 N.C.-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:	
VENTILATION REQUIRED:	SQ. FT. / 300 5.18 SQ. FT.
ATTIC AREA = 1584	X 144 = 746 SQ. IN.
	TOTAL HIGH & LOW = 746 SQ. IN.
	X 50% = 373 SQ. IN.
VENTILATION PROVIDED:	
HIGH	
22	LF RIDGE VENT(S) AT 10 SQ. IN. / LF. = 346 SQ. IN.
0	ROOF VENT(S) AT 50 SQ. IN. EA. = 0 SQ. IN.
SUB-TOTAL HIGH VENTILATION:	346 SQ. IN.
LOW	
56	LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = 386 SQ. IN.
0	ROOF VENT(S) AT 50 SQ. IN. EA. = 0 SQ. IN.
SUB-TOTAL LOW VENTILATION:	386 SQ. IN.
TOTAL VENTILATION PROVIDED:	732 SQ. IN.

AREA 2 / PORCH:	
VENTILATION REQUIRED:	SQ. FT. / 150 0.95 SQ. FT.
ATTIC AREA = 142	X 144 = 186 SQ. IN.
	TOTAL HIGH & LOW = 186 SQ. IN.
VENTILATION PROVIDED:	
5	LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = 21 SQ. IN.
11	LF RIDGE VENT(S) AT 10 SQ. IN. EA. = 126 SQ. IN.
TOTAL VENTILATION PROVIDED:	147 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/ "HOISTOP" IN THE SAME MANNER PRESCRIBED FOR WINDOW INSTALLATION.



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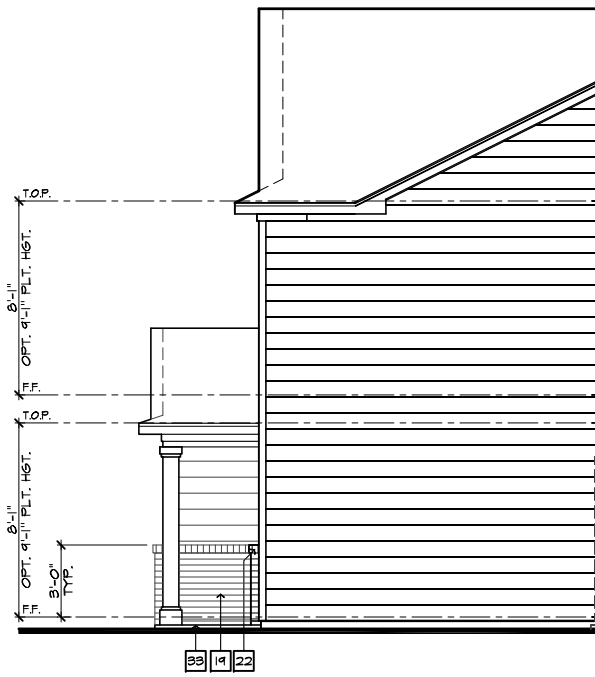
ISSUE DATE: 02/23/17  
PROJECT No.: 1350999:56  
DIVISION MGR.: DS

- REVISIONS:
- 4 DIVISION REVISIONS NC19011NCP- 2/27/19 CTD
  - 5 2018 CODE UPDATE NC19015NCP/ 03/15/19 / CTD
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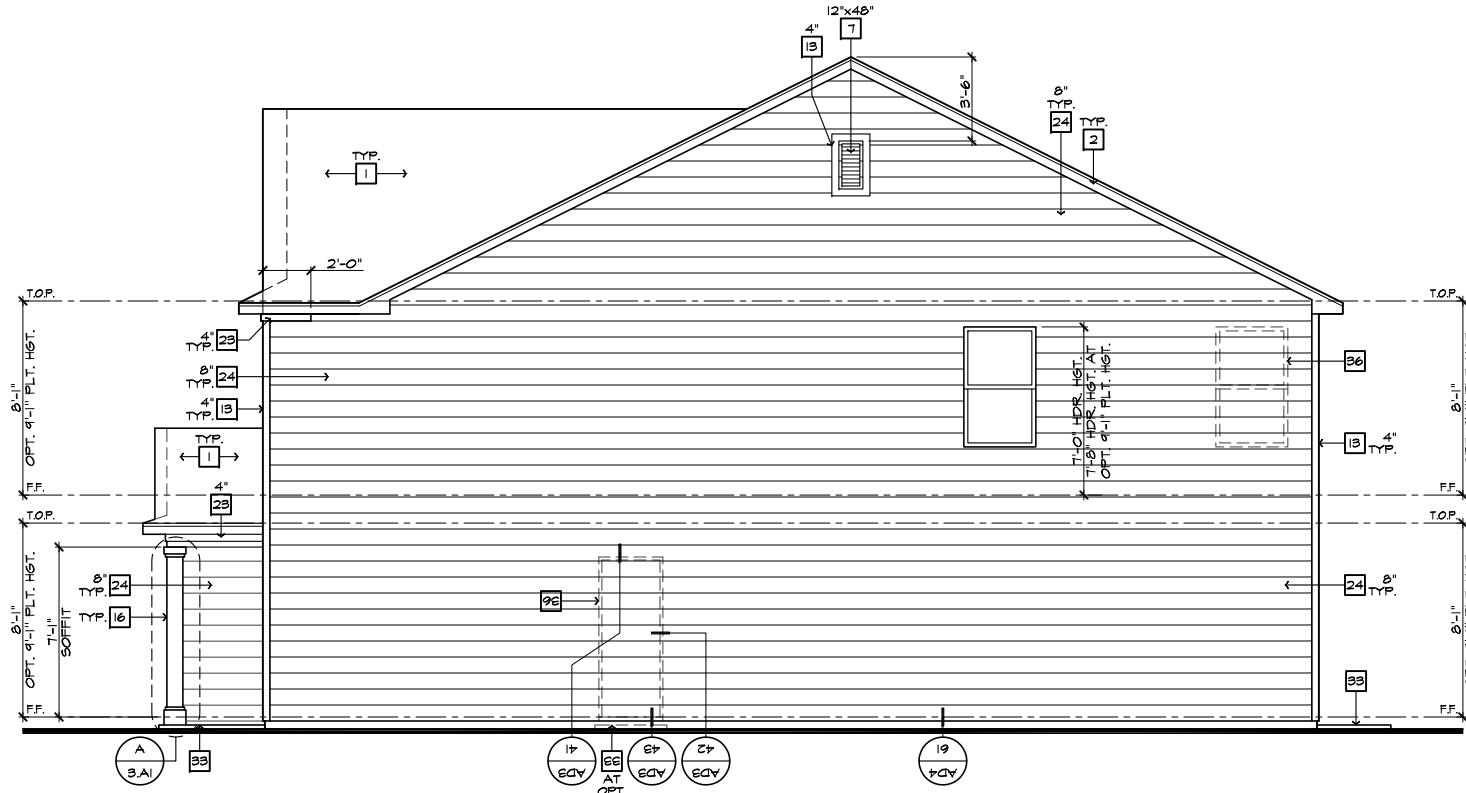
PLAN:  
**237.2723-R**  
SHEET:  
**3.A1**

SPEC. LEVEL 1  
**RALEIGH-DURHAM 40' SERIES**

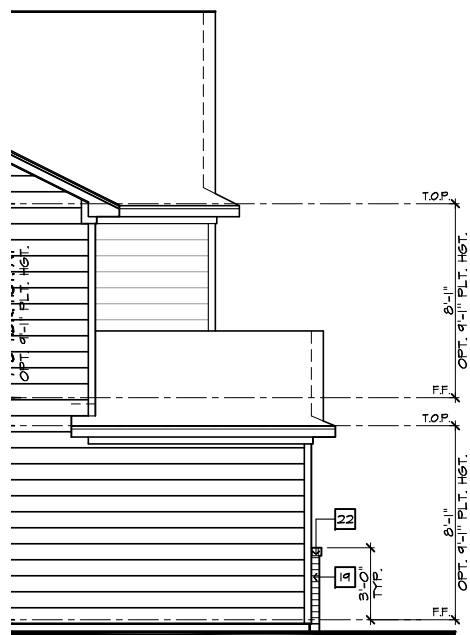
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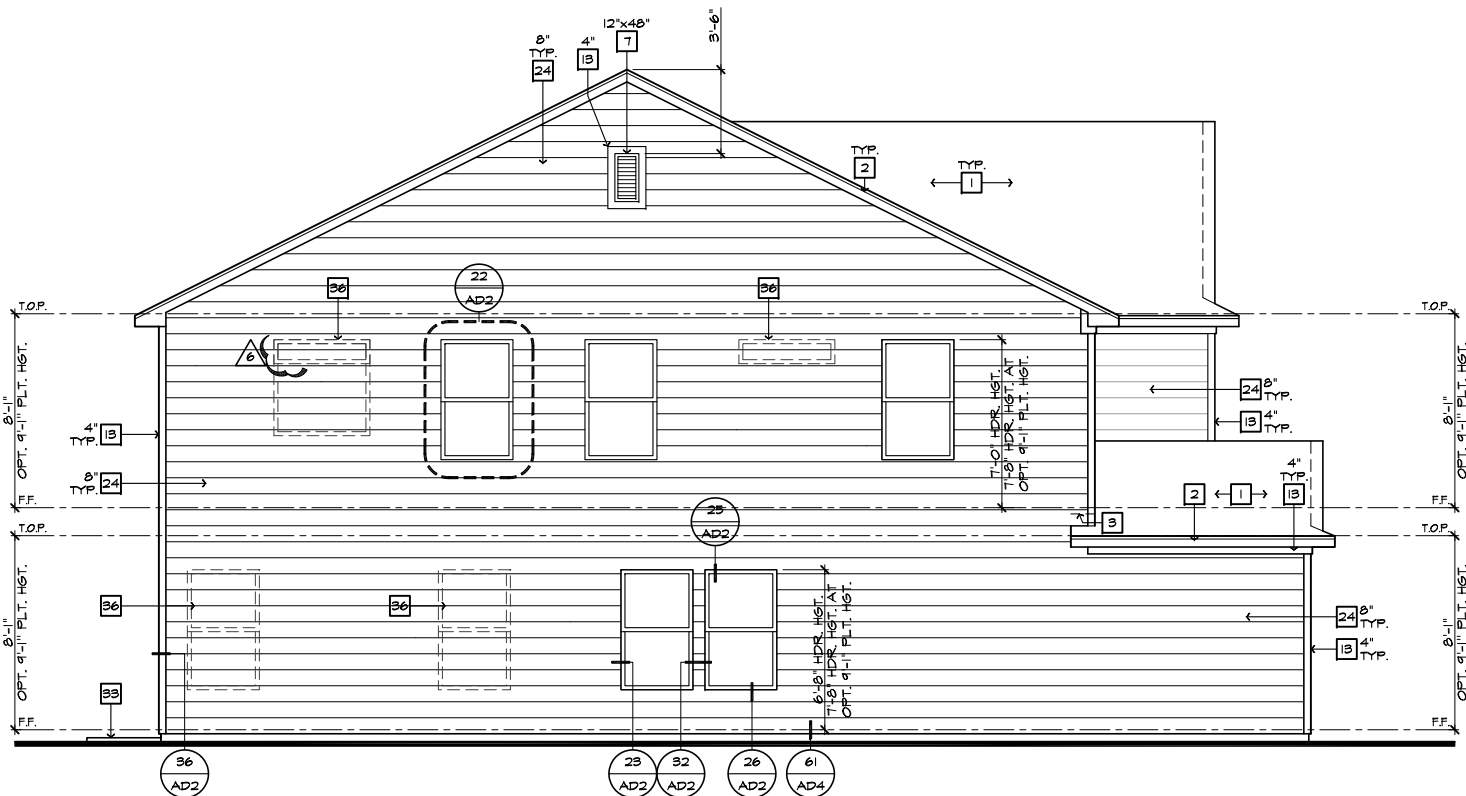
**PARTIAL RIGHT ELEVATION 'A'  
W/ MASONRY OPTION**  
SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")



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

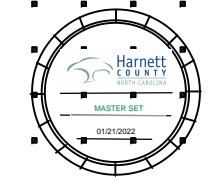


**PARTIAL LEFT ELEVATION 'A'  
W/ MASONRY OPTION**  
SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")



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

- # ELEVATION NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
1. ROOF MATERIAL - REFER TO ROOF NOTES
  2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
  3. 6:1 FLASHING
  4. 6:1 FLASHING & SADDLE/CRICKET
  5. 6:1 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 FYPHON OR EQ. SEE ELEVATION FOR TYPE
  13. TRIM PER SPEC- SEE ELEVATION FOR SIZE
  14. EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
  15. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPHON OR EQ. SURROUNDING STRUCTURAL POST.
  16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
  17. FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
  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. FIBER-CEMENT SIDING PER SPECS
  25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
  26. PRE-FAB DECORATIVE TRIM
  27. LIGHT WEIGHT PRECAST STONE TRIM
  28. P.T. LUMBER RAILINGS (36" U.N.O.)
  29. FIBER-CEMENT SMOOTH BOARD SEE SPECS
  30. DECORATIVE WINDOW/DOOR TRIM - FYPHON OR EQ. SEE ELEVATION FOR SIZE.
  31. BRACKET OR KICKER - FYPHON 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



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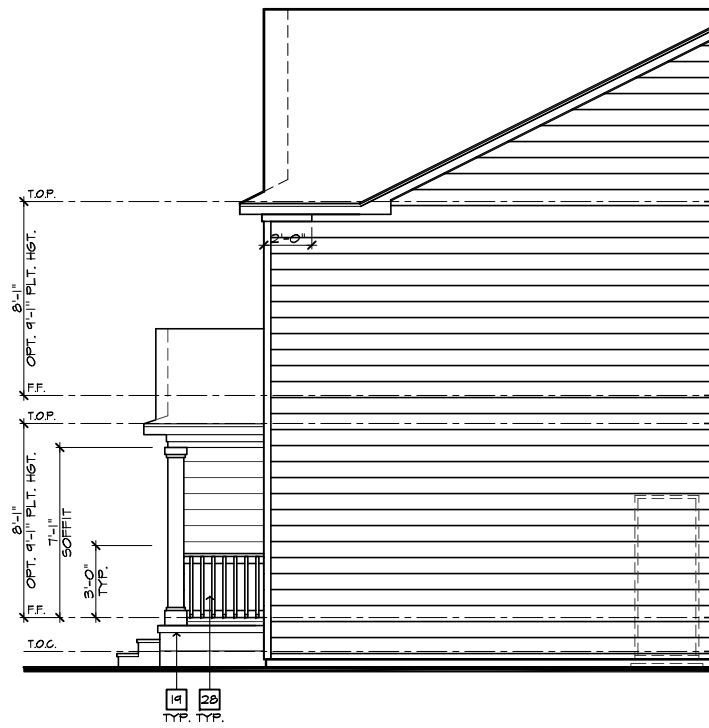
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NC21056NCP- 10/23/21 - KBA

PLAN:  
**237.2723-R**  
SHEET:  
**3.A2**

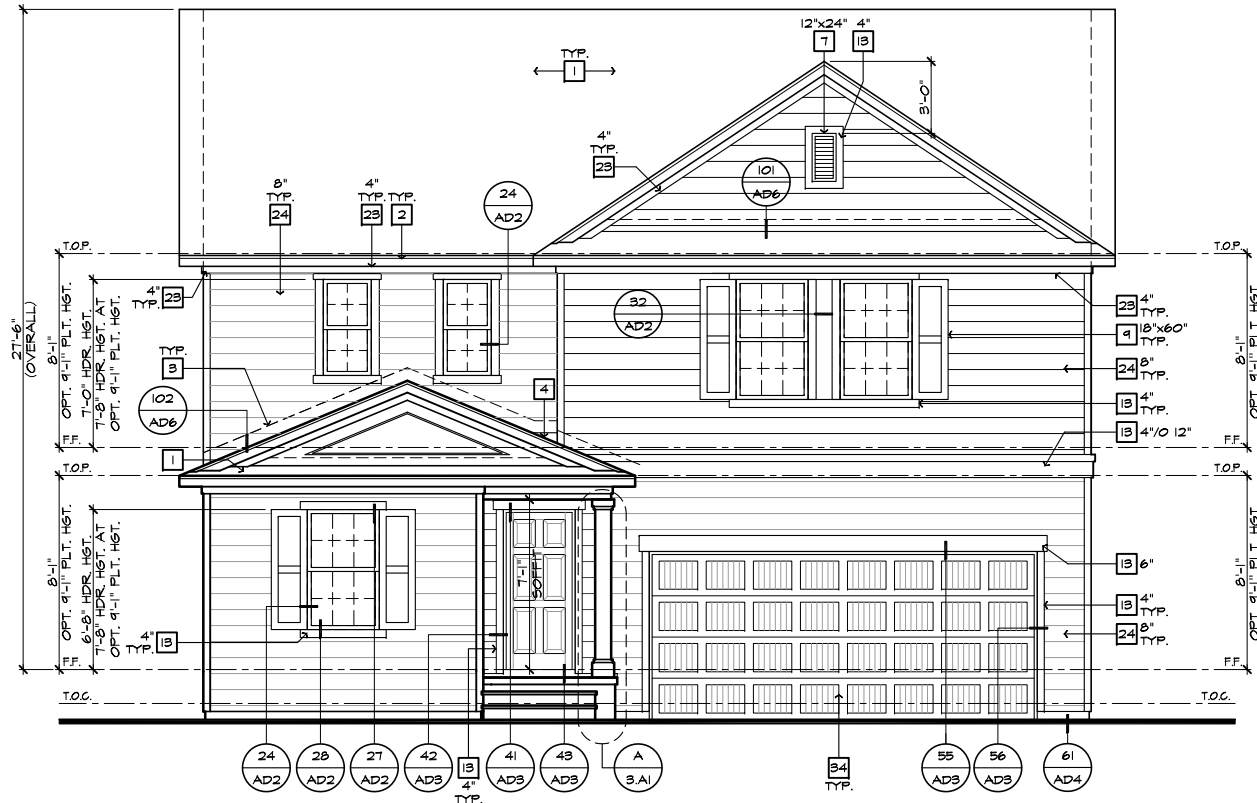
**SPEC. LEVEL 1  
RALEIGH-DURHAM  
40' SERIES**

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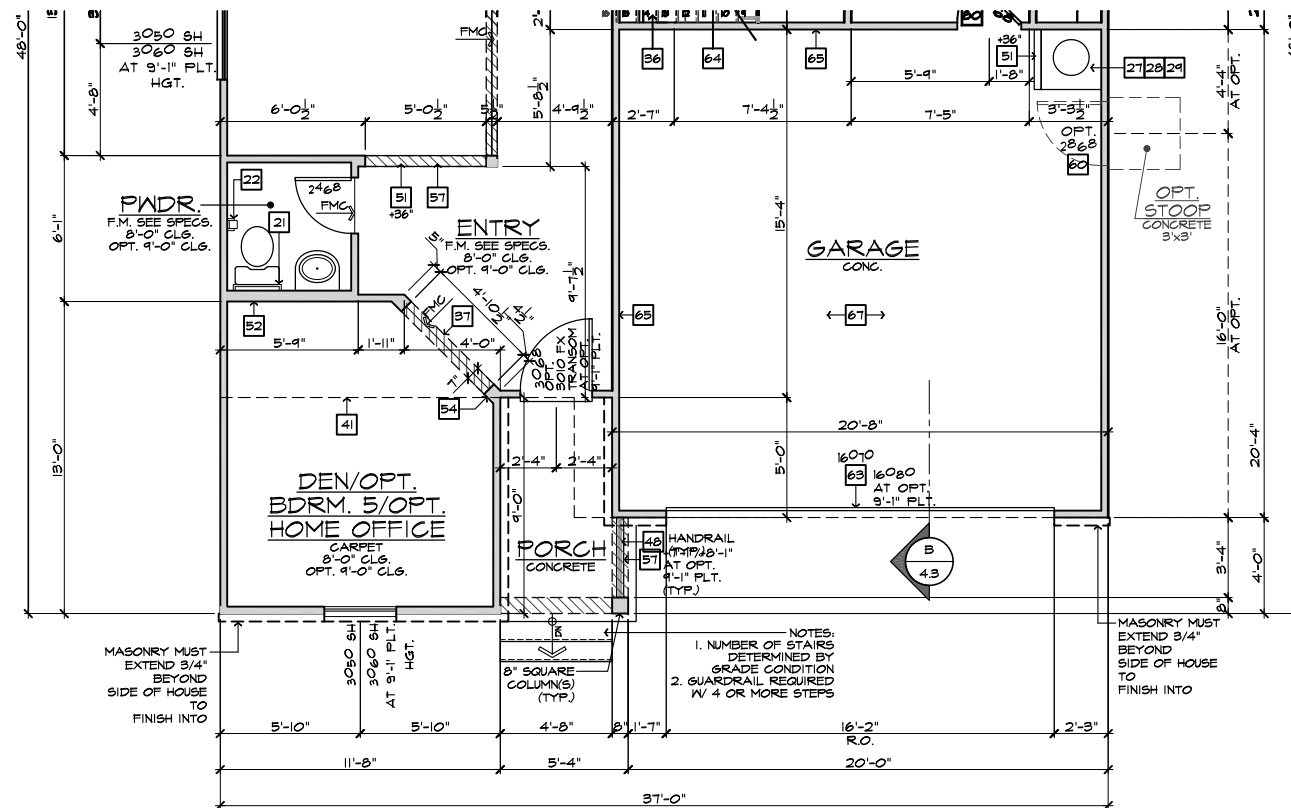
**PARTIAL RIGHT ELEVATION 'A' W/ CRAWL SPACE**

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



**FRONT ELEVATION 'A' W/ CRAWL SPACE**

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



**PARTIAL FIRST FLOOR PLAN 'A' W/ CRAWL SPACE**

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

#	ELEVATION NOTES
<b>NOTE: NOT ALL KEY NOTES APPLY.</b>	
1.	ROOF MATERIAL - REFER TO ROOF NOTES
2.	2X FASCIA/BARGE BOARD WITH FASCIA CAP
3.	6.1. FLASHING
4.	6.1. FLASHING & SADDLE/CRICKET
5.	6.1. 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 PER SPEC- SEE ELEVATION FOR SIZE
14.	EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
15.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
16.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
17.	FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
18.	STONE VENEER PER SPECS
19.	BRICK/MASONRY VENEER PER SPECS
20.	BUILT UP BRICK CURB
21.	SOLDIER COURSE
22.	ROWLOCK COURSE
23.	FRIEZE BOARD
24.	FIBER-CEMENT SIDING PER SPECS
25.	P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
26.	PRE-FAB DECORATIVE TRIM
27.	LIGHT WEIGHT PRECAST STONE TRIM
28.	P.T. LUMBER RAILINGS (36" U.N.O.)
29.	FIBER-CEMENT SMOOTH BOARD SEE SPECS
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

#	PARTIAL PLAN NOTES
<b>NOTE: NOT ALL KEY NOTES APPLY.</b>	
27.	WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS)
28.	WATER HEATER B VENT TO OUTSIDE AIR
29.	MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
34.	LINE OF WALL BELOW
41.	LINE OF FLOOR ABOVE
42.	LINE OF FLOOR BELOW
43.	MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS)
50.	A/C PAD LOCATION
51.	LOW WALL - REFER TO PLAN FOR HEIGHT
52.	2x6 STUD WALL
54.	DEL. 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.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
62.	BRICK / STONE VENEER - REFER TO ELEVATIONS
63.	SECTIONAL GARAGE DOOR PER SPECS
66.	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).
68.	P.T. POST W/ WRAP.
75.	EGRESS WINDOW
76.	WINDOW LEDGE. HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOW(S) ON ALL SIDES U.N.O.
77.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
78.	CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SIZE.

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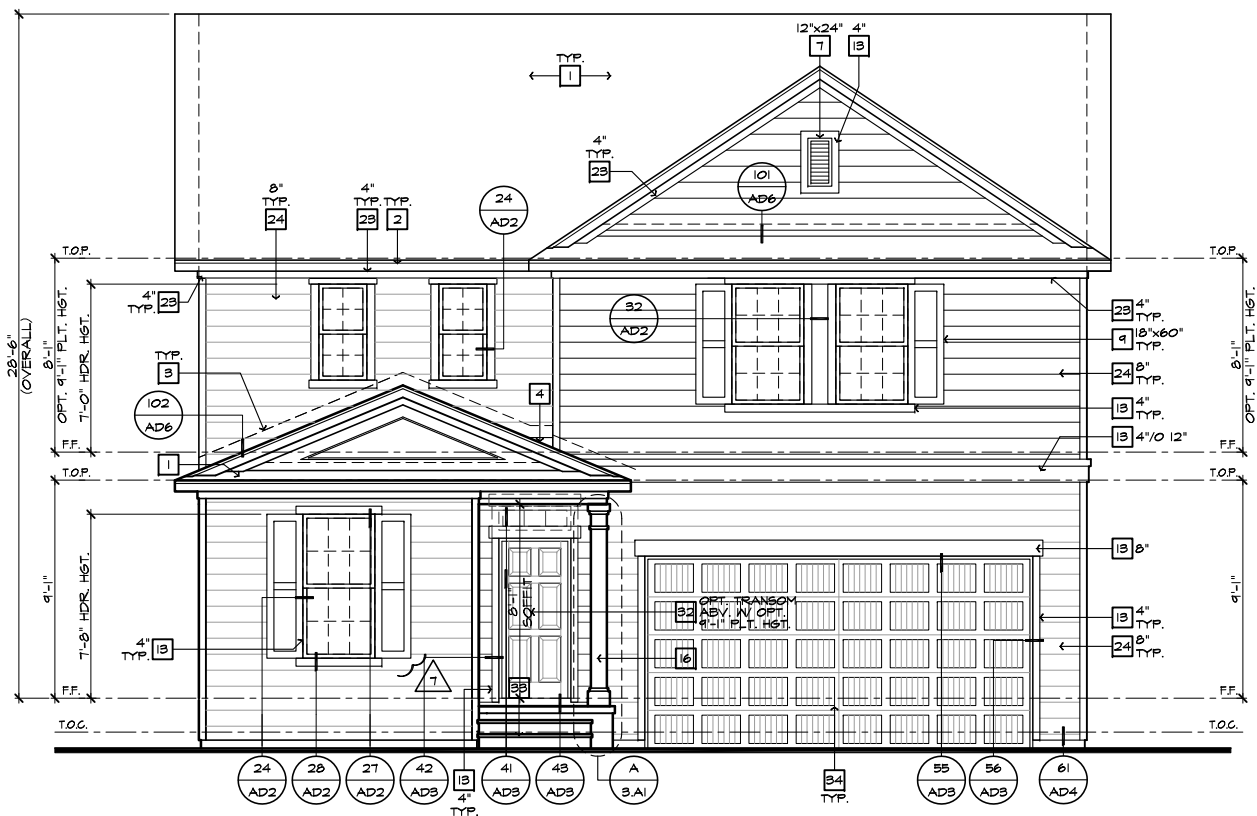
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PLAN: 237.2723-R  
SHEET: 3.A3

SPEC. LEVEL 1  
RALEIGH-DURHAM 40' SERIES

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

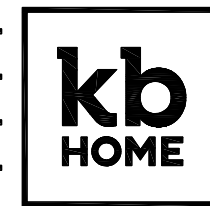
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FRONT ELEVATION 'A' W/ CRAWL SPACE  
AT OPTIONAL 9'-1" PLT. HGT.

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

- ELEVATION NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
1. ROOF MATERIAL - REFER TO ROOF NOTES
  2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
  3. 6:1 FLASHING
  4. 6:1 FLASHING & SADDLE/CRICKET
  5. 6:1 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 PER SPEC - SEE ELEVATION FOR SIZE
  14. EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
  15. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
  16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
  17. FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
  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. FIBER-CEMENT SIDING PER SPECS
  25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
  26. PRE-FAB DECORATIVE TRIM
  27. LIGHT WEIGHT PRECAST STONE TRIM
  28. P.T. LUMBER RAILINGS (36" U.N.O.)
  29. FIBER-CEMENT SMOOTH BOARD SEE SPECS
  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



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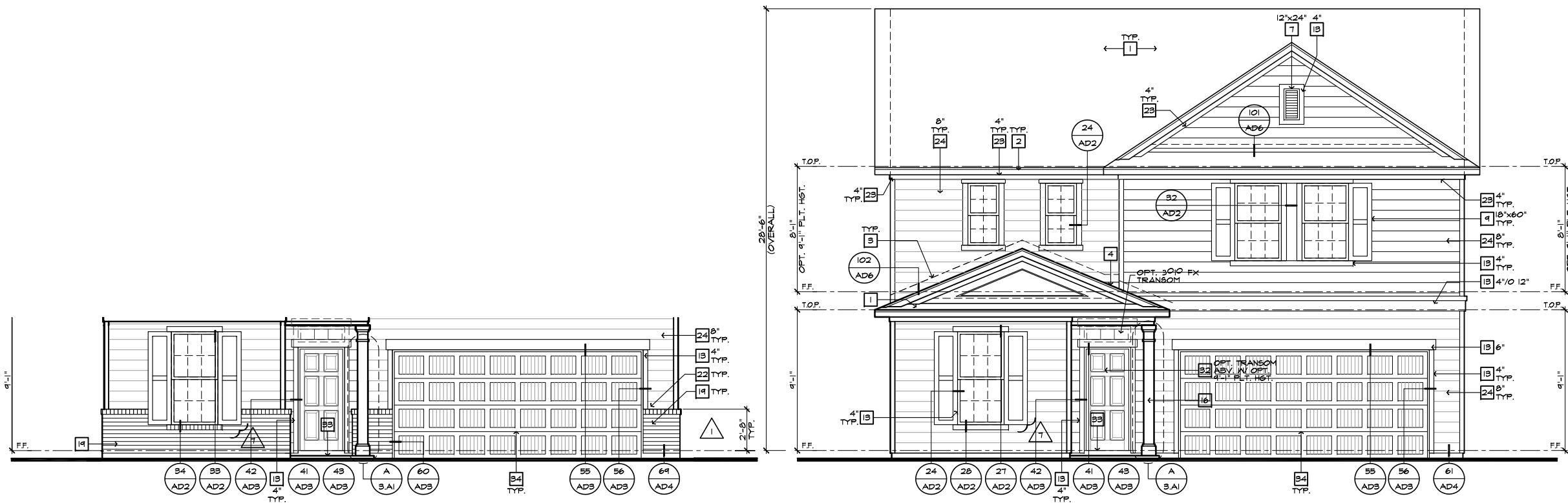
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  - 12 DIVISION REVISION  
NC21056NCP- 10/23/21 - KBA

PLAN:  
**237.2723-R**

SHEET:  
**3.A4**

SPEC. LEVEL 1  
RALEIGH-DURHAM  
40' SERIES

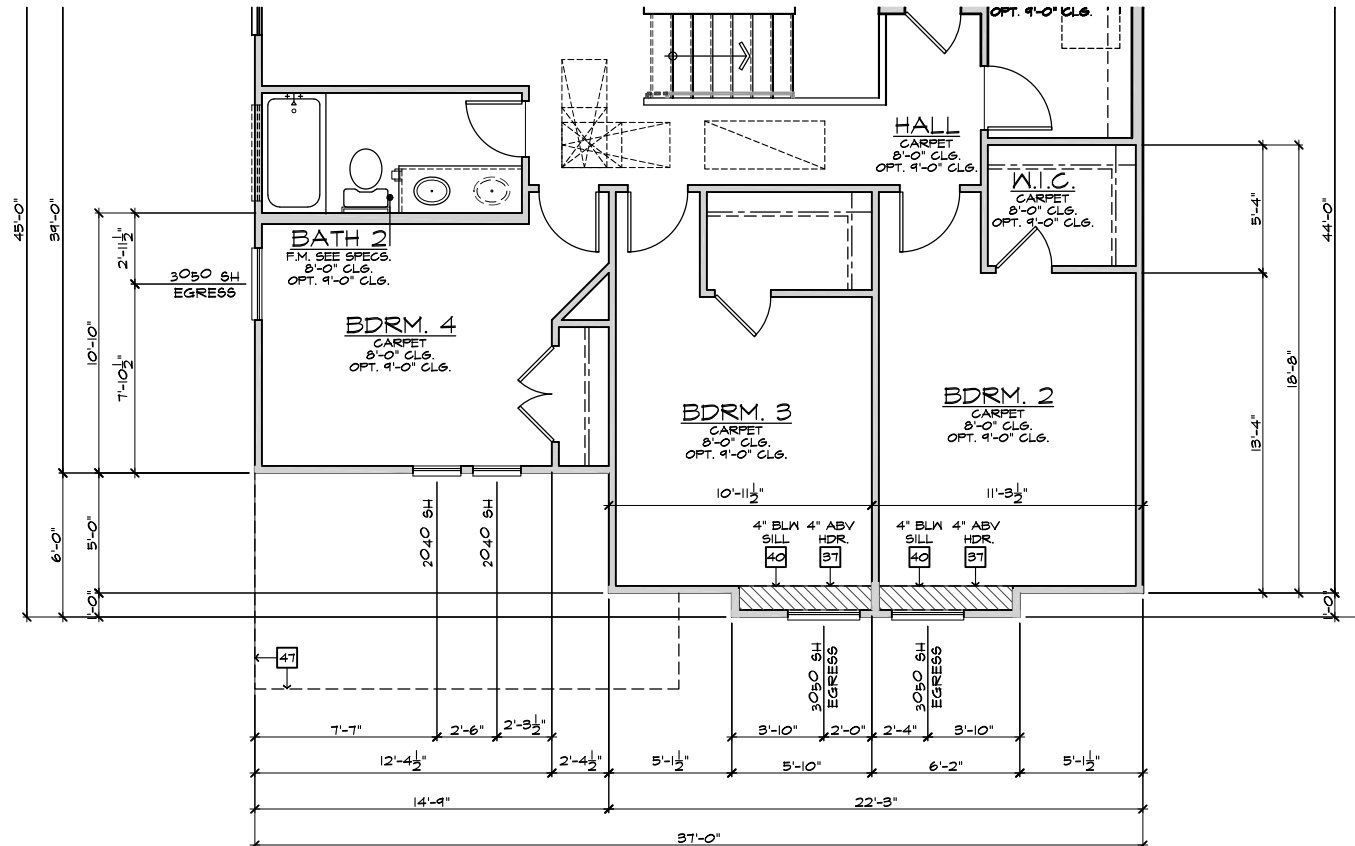


PARTIAL FRONT ELEVATION 'A' W/ MASONRY OPTION

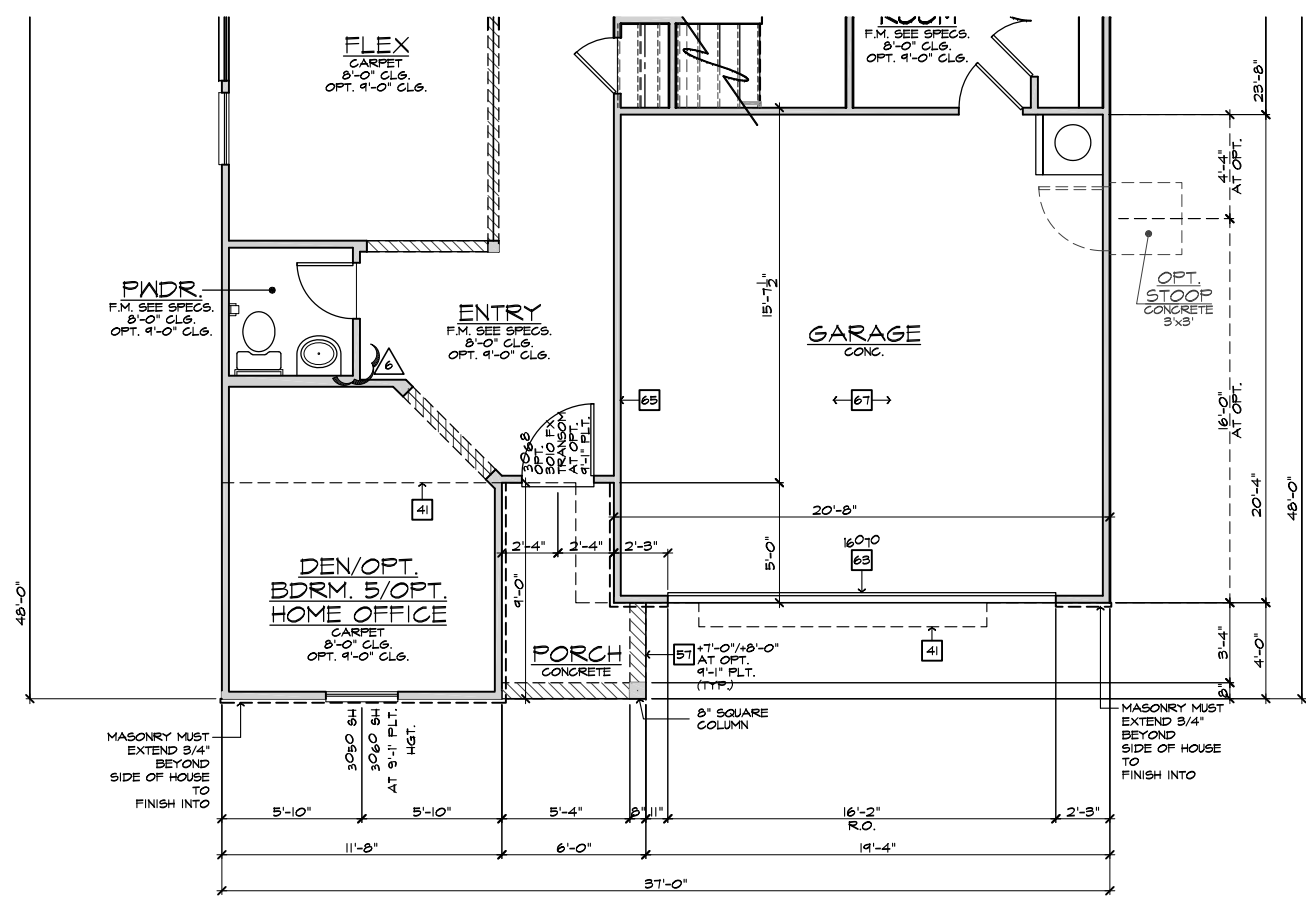
SCALE 1/4"=1'-0" (22'x34') - 1/8"=1'-0" (11'x17')

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

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



**PARTIAL SECOND FLOOR PLAN 'B'**  
 SCALE 1/4"=1'-0" (22'x34') - 1/8"=1'-0" (11'x17') BASIC PLAN



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

- # PARTIAL PLAN NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
27. WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS)
  28. WATER HEATER B VENT TO OUTSIDE AIR
  29. MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
  34. LINE OF WALL BELOW
  41. LINE OF FLOOR ABOVE
  42. LINE OF FLOOR BELOW
  43. MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS)
  50. A/C PAD LOCATION
  51. LOW WALL - REFER TO PLAN FOR HEIGHT
  52. 2x6 STUD WALL
  54. DEL. 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.)
  62. FLYON OR EQ. SURROUNDING STRUCTURAL POST.
  63. BRICK / STONE VENEER - REFER TO ELEVATIONS
  64. SECTIONAL GARAGE DOOR PER SPECS
  66. 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).
  68. P.T. POST IV WRAP.
  70. EGRESS WINDOW
  75. WINDOW LEDGE - HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOW(S) ON ALL SIDES UNO.
  76. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
  77. CONCRETE SLAB - SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SITE.



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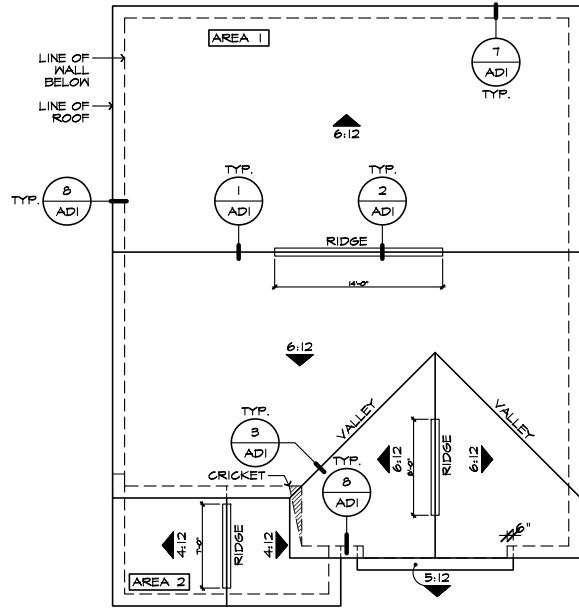
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PLAN:  
**237.2723-R**  
 SHEET:  
**3.B1**

**SPEC. LEVEL 1  
 RALEIGH-DURHAM  
 40' SERIES**

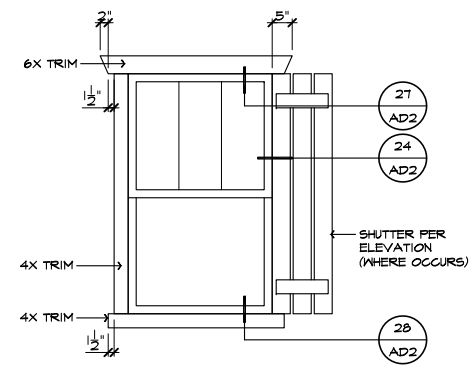
NOTE:  
 REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

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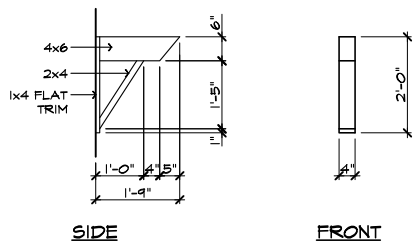
**ROOF PLAN 'B'**

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



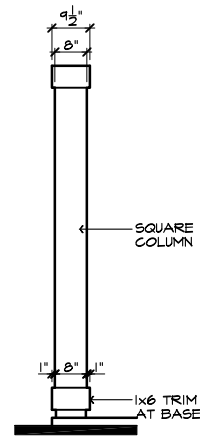
**DETAIL 'C'**

SCALE: N.T.S.



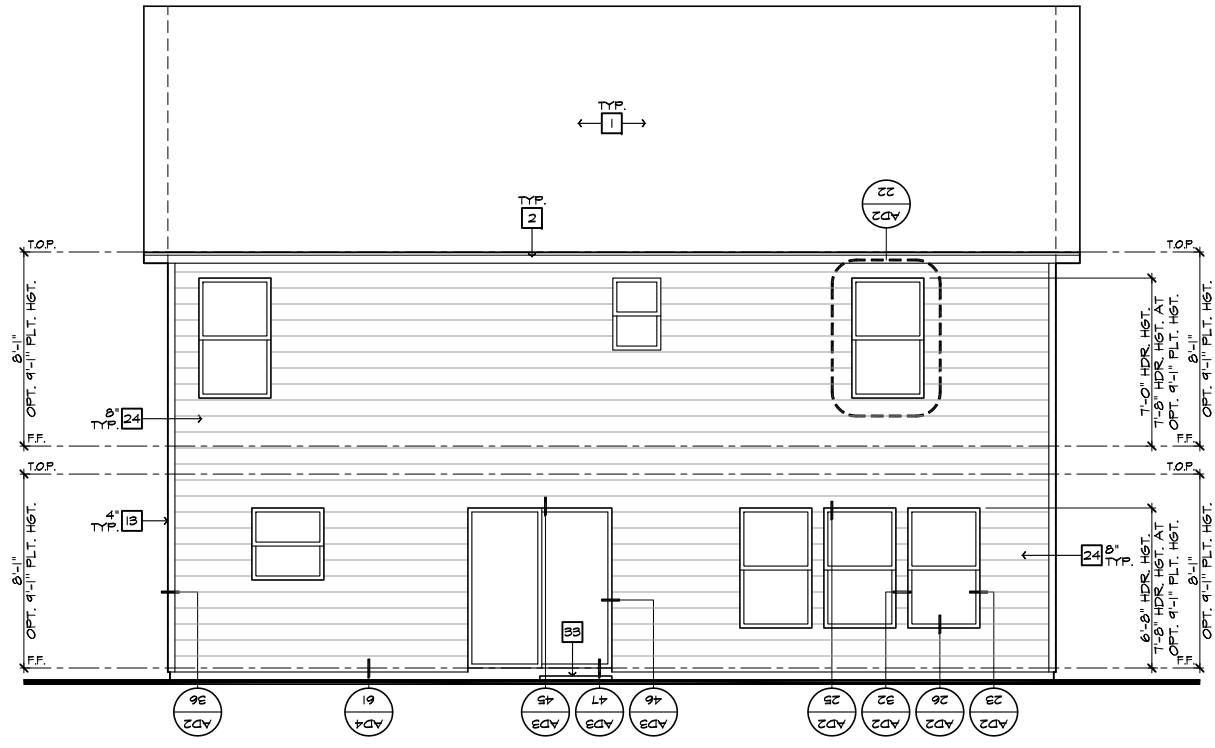
**DETAIL 'B'**

SCALE: N.T.S.



**DETAIL 'A'**

SCALE: N.T.S.



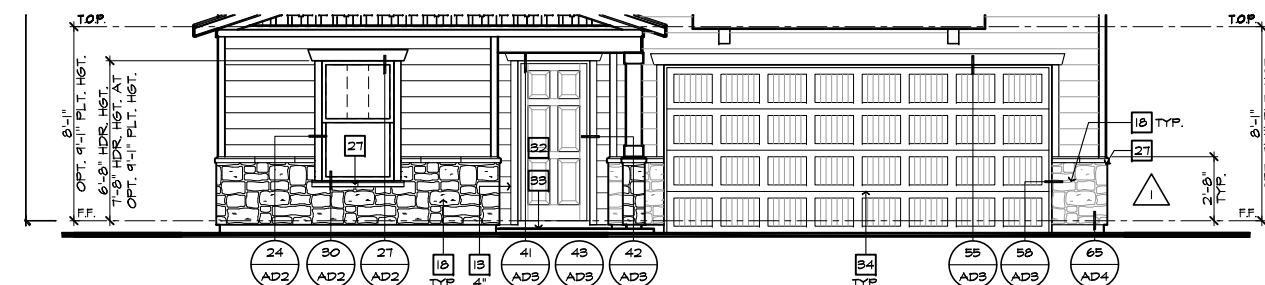
**REAR ELEVATION 'B'**

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



**FRONT ELEVATION 'B'**

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



**PARTIAL FRONT ELEVATION 'B' W/ MASONRY OPTION**

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

**ELEVATION NOTES**

- NOTE: NOT ALL KEY NOTES APPLY.**
1. ROOF MATERIAL - REFER TO ROOF NOTES
  2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
  3. 6:1. FLASHING
  4. 6:1. FLASHING & SADDLE/CRICKET
  5. 6:1. 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 PER SPEC- SEE ELEVATION FOR SIZE
  14. EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
  15. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
  16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
  17. FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
  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. FIBER-CEMENT SIDING PER SPECS
  25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
  26. PRE-FAB DECORATIVE TRIM
  27. LIGHT WEIGHT PRECAST STONE TRIM
  28. P.T. LUMBER RAILINGS (36" U.N.O.)
  29. FIBER-CEMENT SMOOTH BOARD SEE SPECS
  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

**ROOF PLAN NOTES 'B'**

**5:12** 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 SHEARMALL 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 VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS (LOW VENTING) (2018 N.C.-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:	
VENTILATION REQUIRED:	SQ. FT. / 300 = 5.22 SQ. FT.
ATTIC AREA = 1566	X 144 = 782 SQ. IN.
	TOTAL HIGH & LOW = 782 SQ. IN.
	X 50% = 316 SQ. IN.

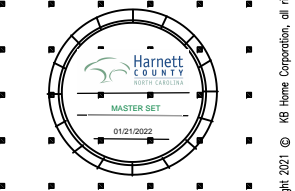
VENTILATION PROVIDED:	
HIGH	22 LF RIDGE VENT(S) AT 10 SQ. IN. / LF. = 346 SQ. IN.
0	ROOF VENT(S) AT 50 SQ. IN. EA. = 0 SQ. IN.
SUB-TOTAL HIGH VENTILATION:	346 SQ. IN.
LOW	56 LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = 386 SQ. IN.
0	ROOF VENT(S) AT 50 SQ. IN. EA. = 0 SQ. IN.
SUB-TOTAL LOW VENTILATION:	386 SQ. IN.
TOTAL VENTILATION PROVIDED:	732 SQ. IN.

AREA 2 / PORCH:	
VENTILATION REQUIRED:	SQ. FT. / 150 = 0.95 SQ. FT.
ATTIC AREA = 142	X 144 = 136 SQ. IN.
	TOTAL HIGH & LOW = 136 SQ. IN.

VENTILATION PROVIDED:	
5	LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = 21 SQ. IN.
11	LF RIDGE VENT(S) AT 10 SQ. IN. EA. = 126 SQ. IN.
TOTAL VENTILATION PROVIDED:	147 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/ 'BOISTOP' IN THE SAME MANNER PRESCRIBED FOR WINDOW INSTALLATION.



**NORTH CAROLINA 40' SERIES**

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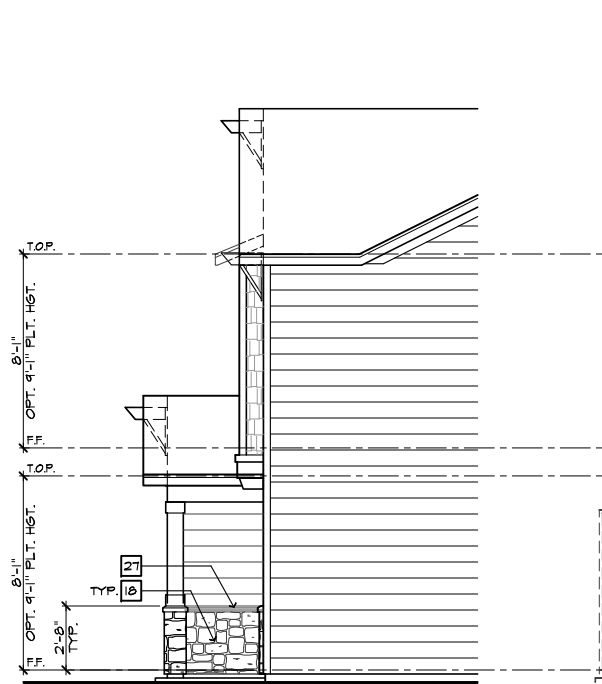
ISSUE DATE: 02/23/17  
 PROJECT No.: 1350999:56  
 DIVISION MGR.: DS

- REVISIONS:**
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  - 5 2018 CODE UPDATE NC19015NCP/ 03/15/19 / CTD
  - 6 DIVISION REVISIONS NC19032NCP- 04/02/18 FAE
  - 7 DIVISION REVISIONS NC20017NCP- 03/02/20 KBA
  - 8 REPLACED KEYNOTES NC20025NCP/ 05/22/20 / KBA
  - 9 HOME OFFICE CORP20003CORP-08/28/20-CTD
  - 10 ADD DECKS & SUNROOM NC21019NCP-04/03/21-CTD
  - 11 DIVISION REVISION NC21057NCP- 10/23/21 - KBA
  - 12 DIVISION REVISION NC21056NCP- 10/23/21 - KBA

PLAN:  
**237.2723-R**  
 SHEET:  
**3.B2**

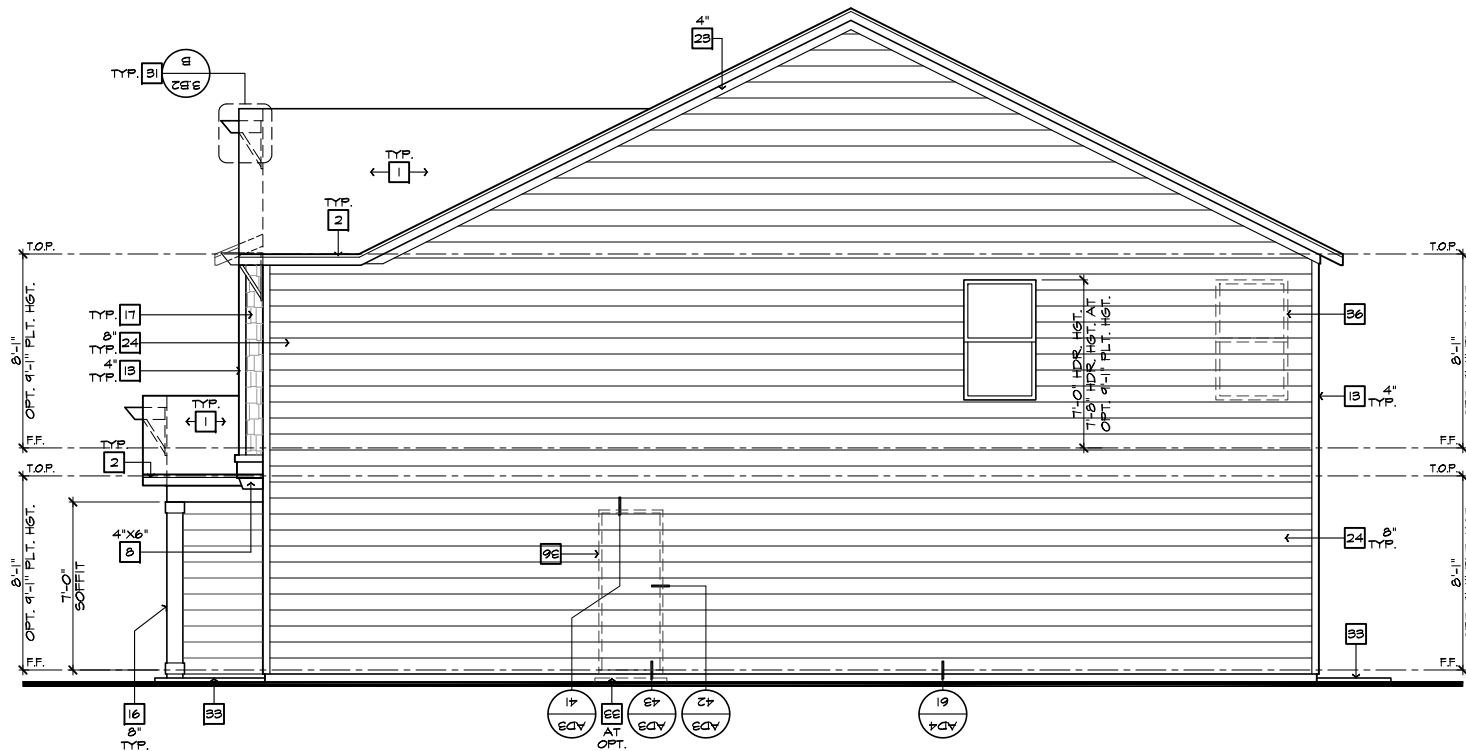
SPEC. LEVEL 1  
**RALEIGH-DURHAM 40' SERIES**

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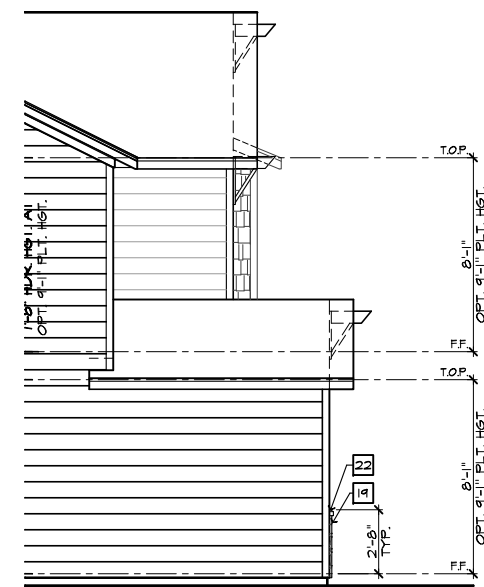
PARTIAL RIGHT ELEVATION 'B'  
W/ MASONRY OPTION

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



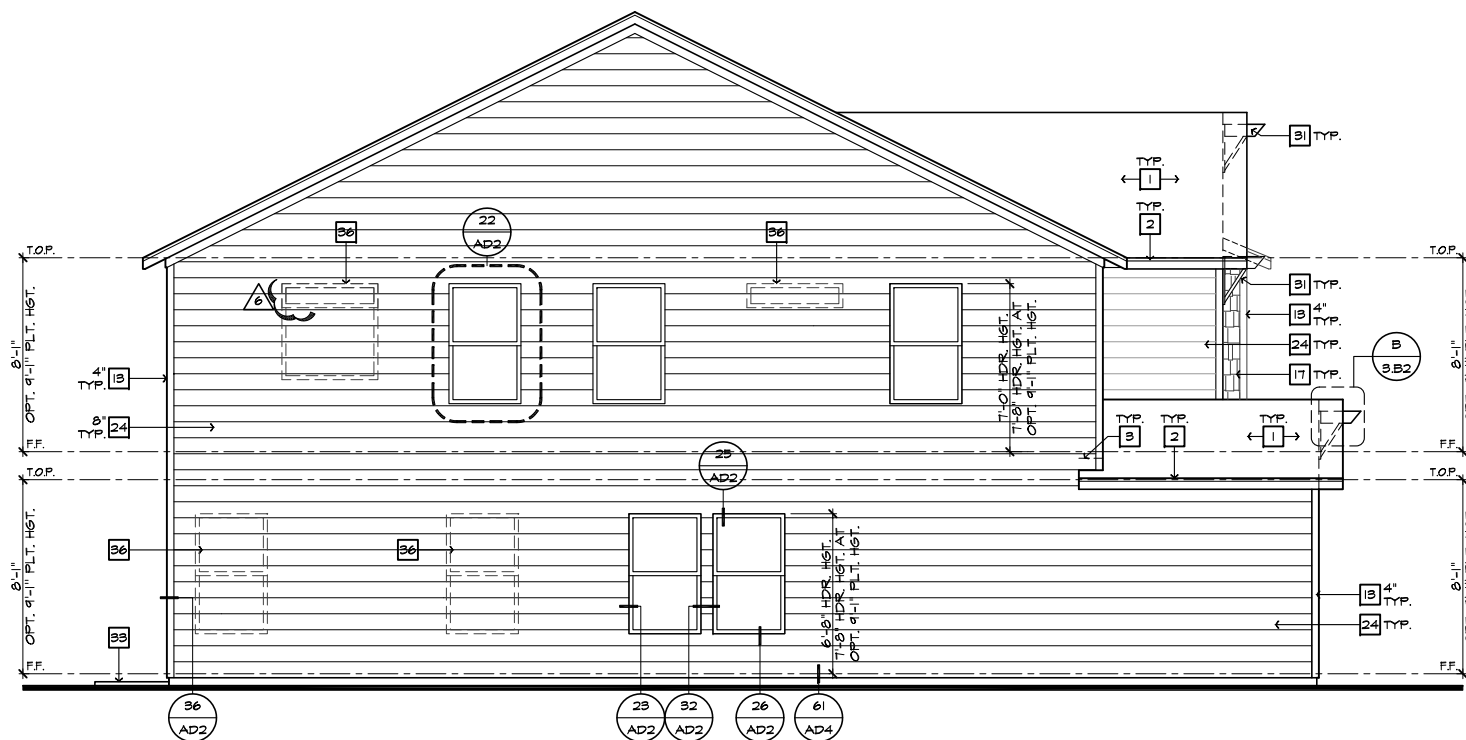
RIGHT ELEVATION 'B'

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



PARTIAL LEFT ELEVATION 'B'  
W/ MASONRY OPTION

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



LEFT ELEVATION 'B'

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

#	ELEVATION NOTES
NOTE: NOT ALL KEY NOTES APPLY.	
1.	ROOF MATERIAL - REFER TO ROOF NOTES
2.	2X FASCIA/BARGE BOARD WITH FASCIA CAP
3.	6:1 FLASHING
4.	6:1 FLASHING & SADDLE/CRICKET
5.	6:1 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 PER SPEC- SEE ELEVATION FOR SIZE
14.	EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
15.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
16.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
17.	FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
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.	FIBER-CEMENT SIDING PER SPECS
25.	P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
26.	PRE-FAB DECORATIVE TRIM
27.	LIGHT WEIGHT PRECAST STONE TRIM
28.	P.T. LUMBER RAILINGS (36" U.N.O.)
29.	FIBER-CEMENT SMOOTH BOARD SEE SPECS
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



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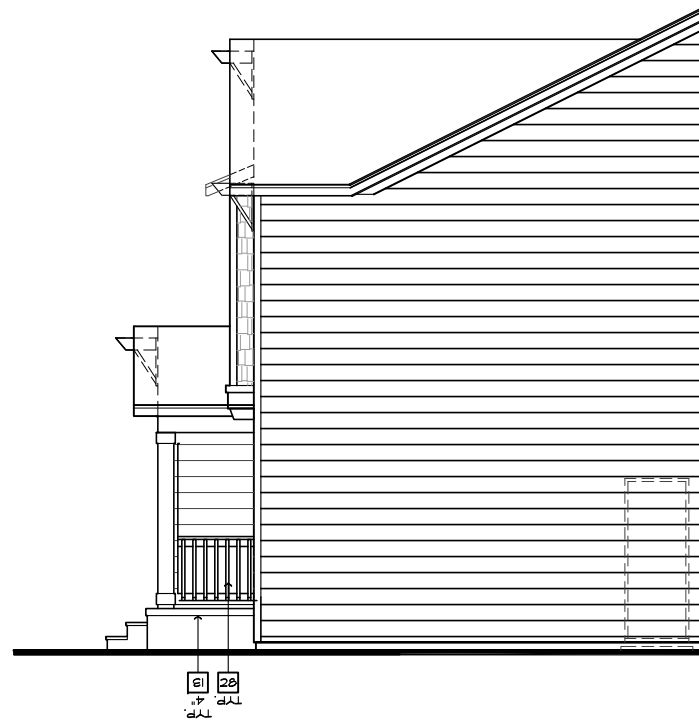
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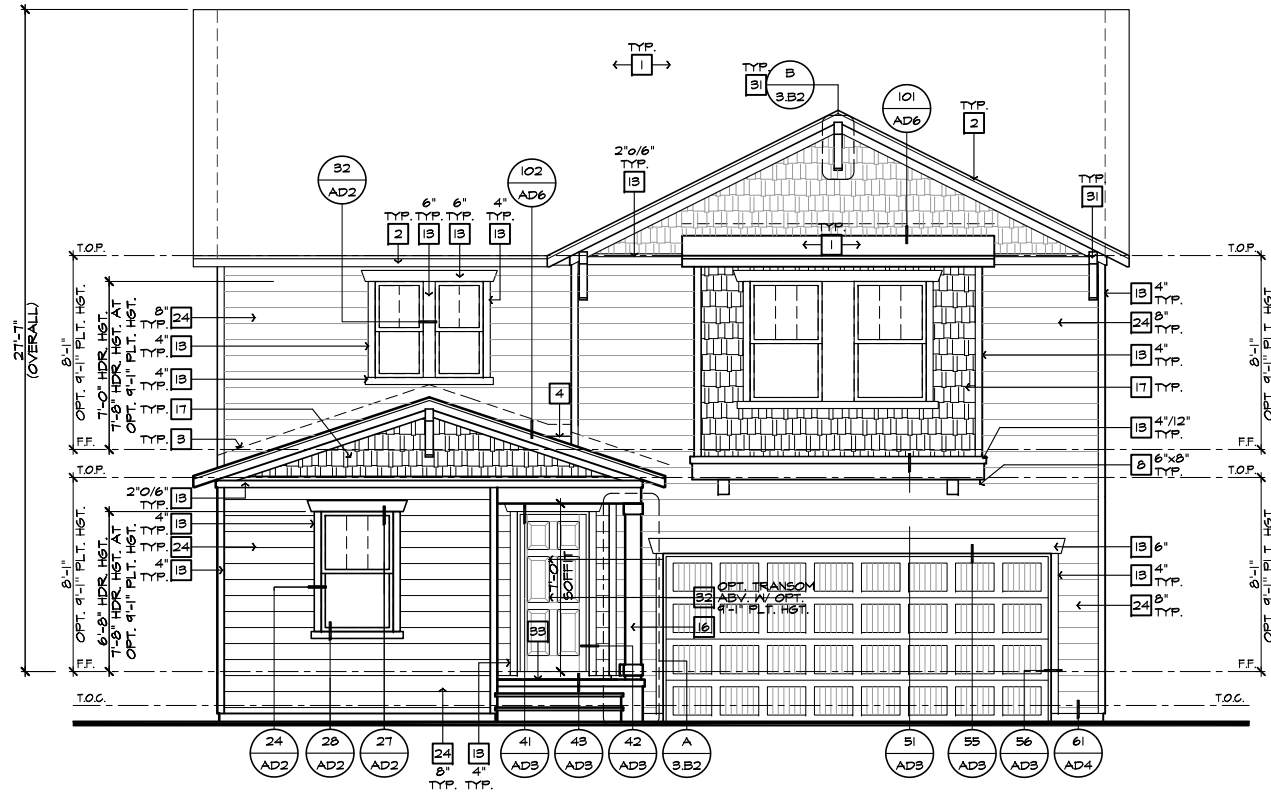
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SHEET:  
3.B3

SPEC. LEVEL 1  
RALEIGH-DURHAM  
40' SERIES

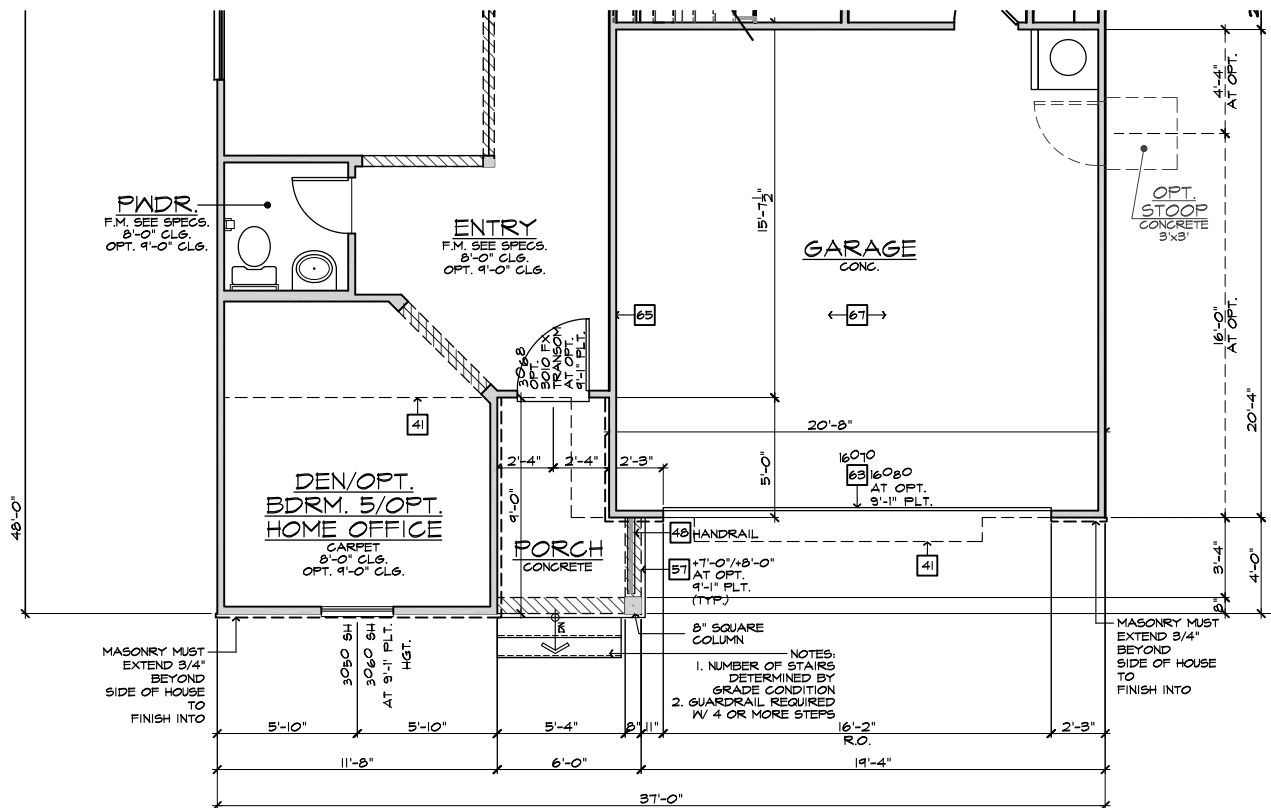




**PARTIAL RIGHT ELEVATION 'B' W/ CRAWL SPACE**  
SCALE 1/4"=1'-0" (22'X34") - 1/8"=1'-0" (11'X17")



**FRONT ELEVATION 'B' W/ CRAWL SPACE**  
SCALE 1/4"=1'-0" (22'X34") - 1/8"=1'-0" (11'X17")



**PARTIAL FIRST FLOOR PLAN 'B' W/ CRAWL SPACE**  
SCALE 1/4"=1'-0" (22'X34") - 1/8"=1'-0" (11'X17")

#	ELEVATION NOTES
<b>NOTE: NOT ALL KEY NOTES APPLY.</b>	
1.	ROOF MATERIAL - REFER TO ROOF NOTES
2.	2X FASCIA/BARGE BOARD WITH FASCIA CAP
3.	6.1. FLASHING
4.	6.1. FLASHING & SADDLE/CRICKET
5.	6.1. 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 PER SPEC - SEE ELEVATION FOR SIZE
14.	EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
15.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
16.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
17.	FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
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.	FIBER-CEMENT SIDING PER SPECS
25.	P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
26.	PRE-FAB DECORATIVE TRIM
27.	LIGHT WEIGHT PRECAST STONE TRIM
28.	P.T. LUMBER RAILINGS (36" U.N.O.)
29.	FIBER-CEMENT SMOOTH BOARD SEE SPECS
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

#	PARTIAL PLAN NOTES
<b>NOTE: NOT ALL KEY NOTES APPLY.</b>	
27.	WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS)
28.	WATER HEATER B VENT TO OUTSIDE AIR
29.	MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
34.	LINE OF WALL BELOW
41.	LINE OF FLOOR ABOVE
42.	LINE OF FLOOR BELOW
43.	MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS)
50.	A/C PAD LOCATION
51.	LOW WALL - REFER TO PLAN FOR HEIGHT
52.	2x6 STUD WALL
54.	DEL. 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.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
62.	BRICK / STONE VENEER - REFER TO ELEVATIONS
63.	SECTIONAL GARAGE DOOR PER SPECS
66.	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).
68.	P.T. POST W/ WRAP TO 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.



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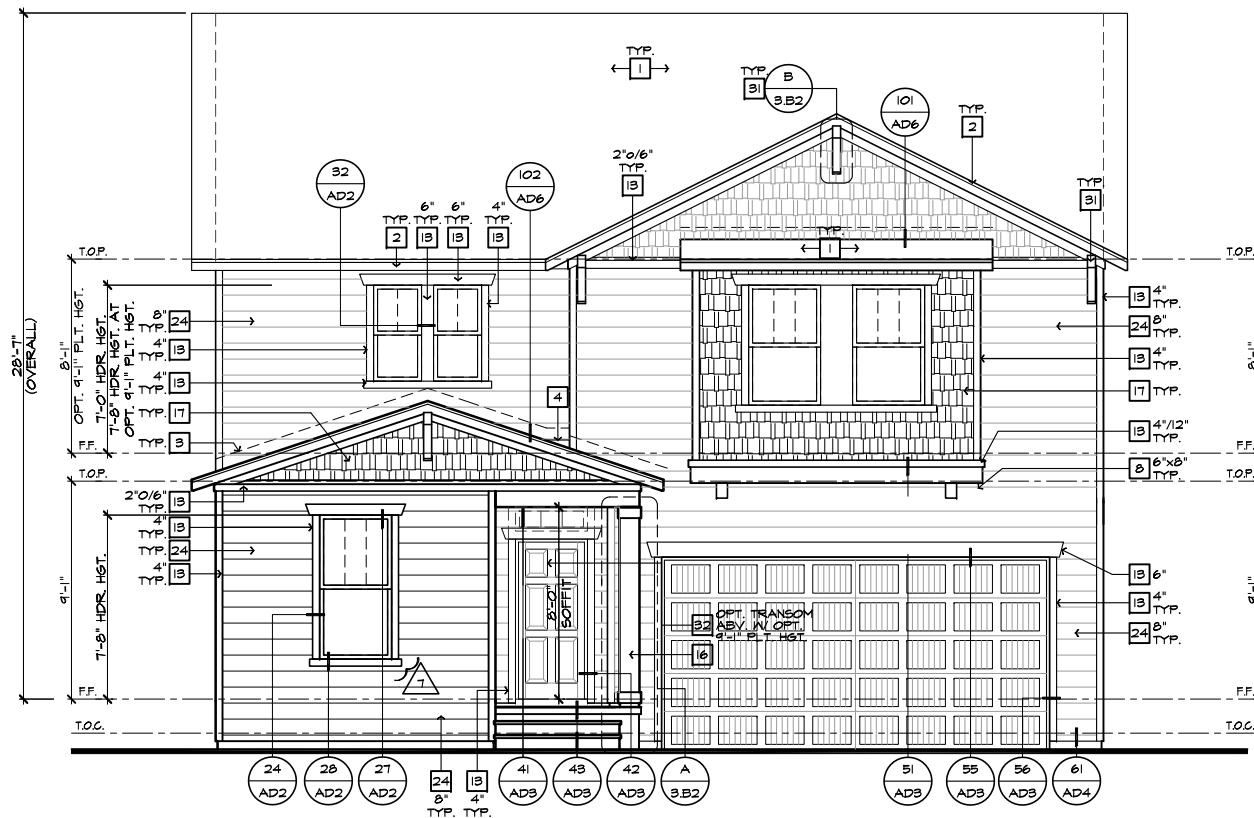
PLAN:  
**237.2723-R**  
SHEET:  
**3.B4**

SPEC. LEVEL 1  
**RALEIGH-DURHAM 40' SERIES**

**NOTE:**  
REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE

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

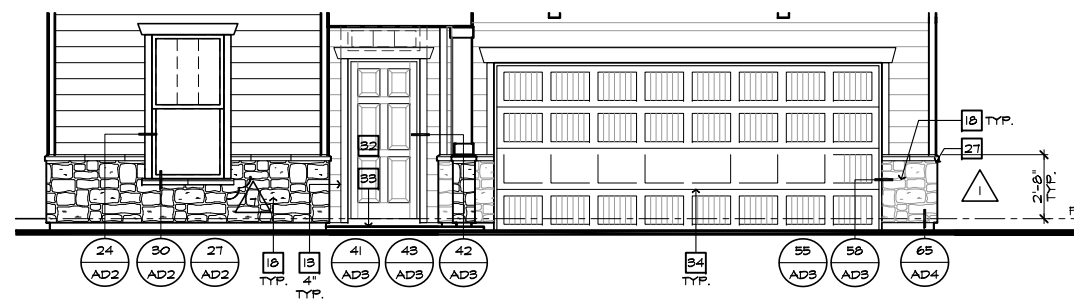
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**FRONT ELEVATION 'B'**  
**AT OPTIONAL 9'-1" PLT. HGT. W/ CRAWL SPACE**

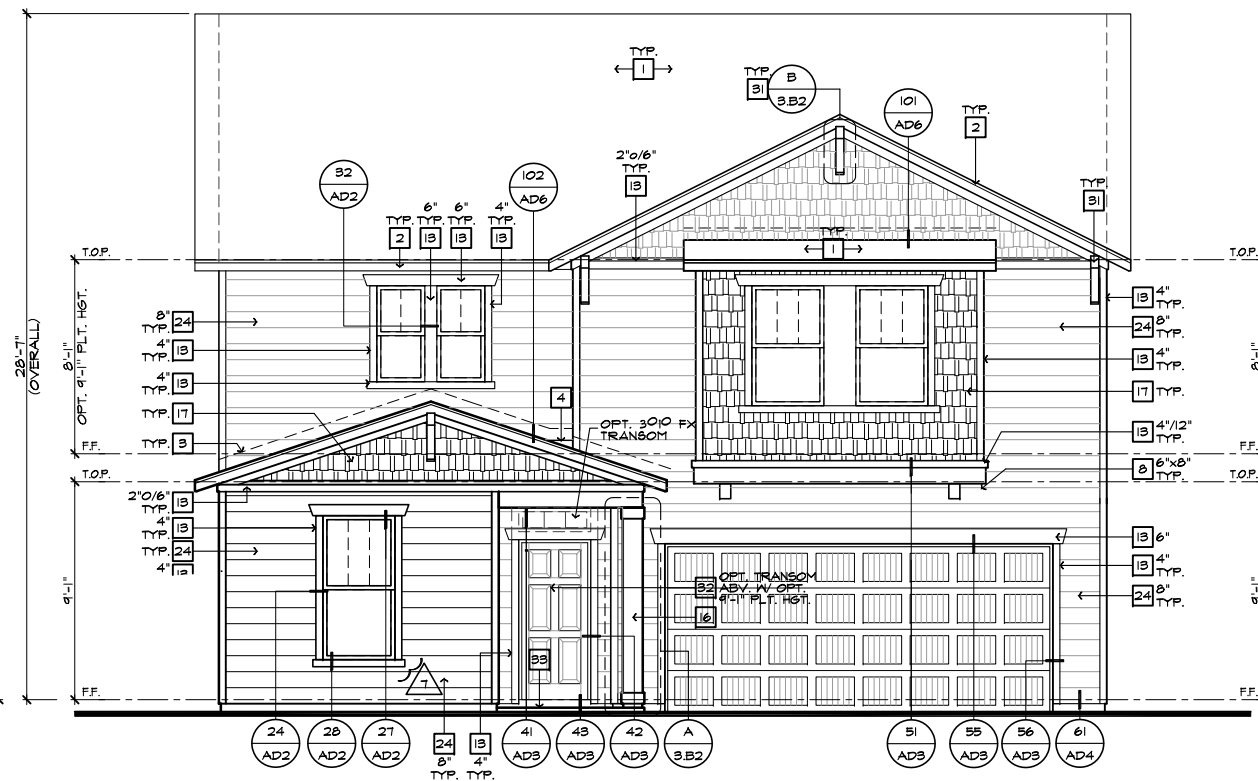
SCALE 1/4"=1'-0" (22'x34") - 1/8"=1'-0" (11'x17")

- # ELEVATION NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
1. ROOF MATERIAL - REFER TO ROOF NOTES
  2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
  3. 6:1. FLASHING
  4. 6:1. FLASHING & SADDLE/CRICKET
  5. 6:1. 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 PER SPEC- SEE ELEVATION FOR SIZE
  14. EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
  15. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
  16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
  17. FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
  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. FIBER-CEMENT SIDING PER SPECS
  25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
  26. PRE-FAB DECORATIVE TRIM
  27. LIGHT WEIGHT PRECAST STONE TRIM
  28. P.T. LUMBER RAILINGS (4"x6" U.N.O.)
  29. FIBER-CEMENT SMOOTH BOARD SEE SPECS
  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



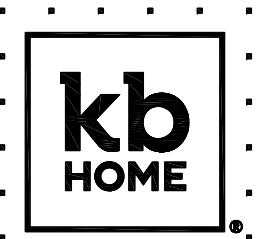
**PARTIAL FRONT ELEVATION 'B' W/ MASONRY OPTION**

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



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

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



**NORTH CAROLINA**  
**40' SERIES**

KB HOME  
 NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD.  
 SUITE 180  
 DURHAM, NC 27703  
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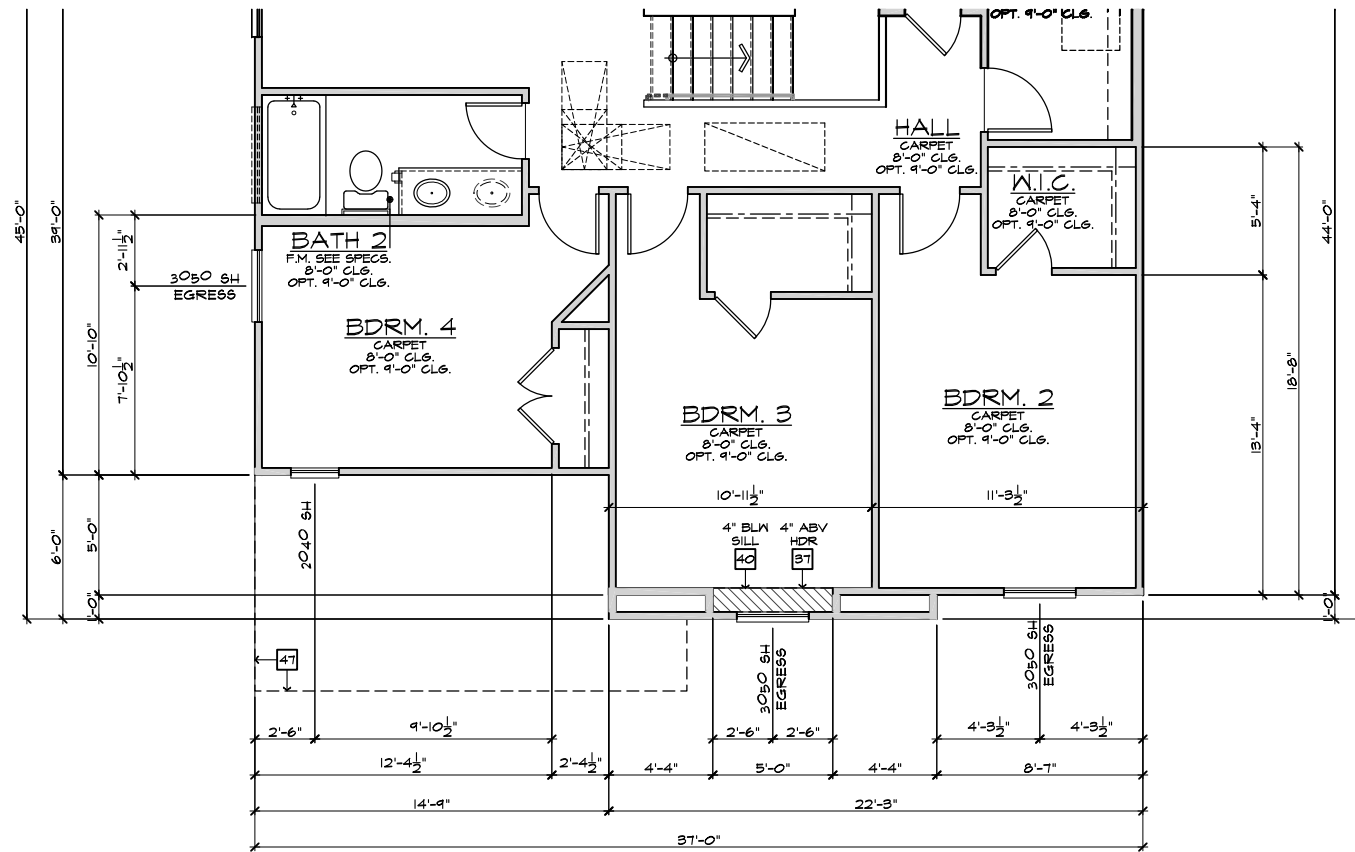
ISSUE DATE: 02/23/17  
 PROJECT No.: 1350999:56  
 DIVISION MGR.: DS

- REVISIONS:
- 4 DIVISION REVISIONS  
 NC19011NCP/ 2/27/19 CTD
  - 5 2018 CODE UPDATE  
 NC19015NCP/ 03/15/19 / CTD
  - 6 DIVISION REVISIONS  
 NC19022NCP/ 04/02/18 FAE
  - 7 DIVISION REVISIONS  
 NC20017NCP/ 03/02/20 KBA
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 NC20025NCP/ 05/22/20 / KBA
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 CORP20003CORP-08/28/20-CTD
  - 10 ADD DECKS & SUNROOM  
 NC21019NCP-04/05/21-CTD
  - 11 DIVISION REVISION  
 NC21057NCP - 10/23/21 - KBA
  - 12 DIVISION REVISION  
 NC21056NCP - 11/25/21 - KBA

PLAN:  
**237.2723-R**  
 SHEET:  
**3.B5**

SPEC. LEVEL 1  
 RALEIGH-DURHAM  
 40' SERIES

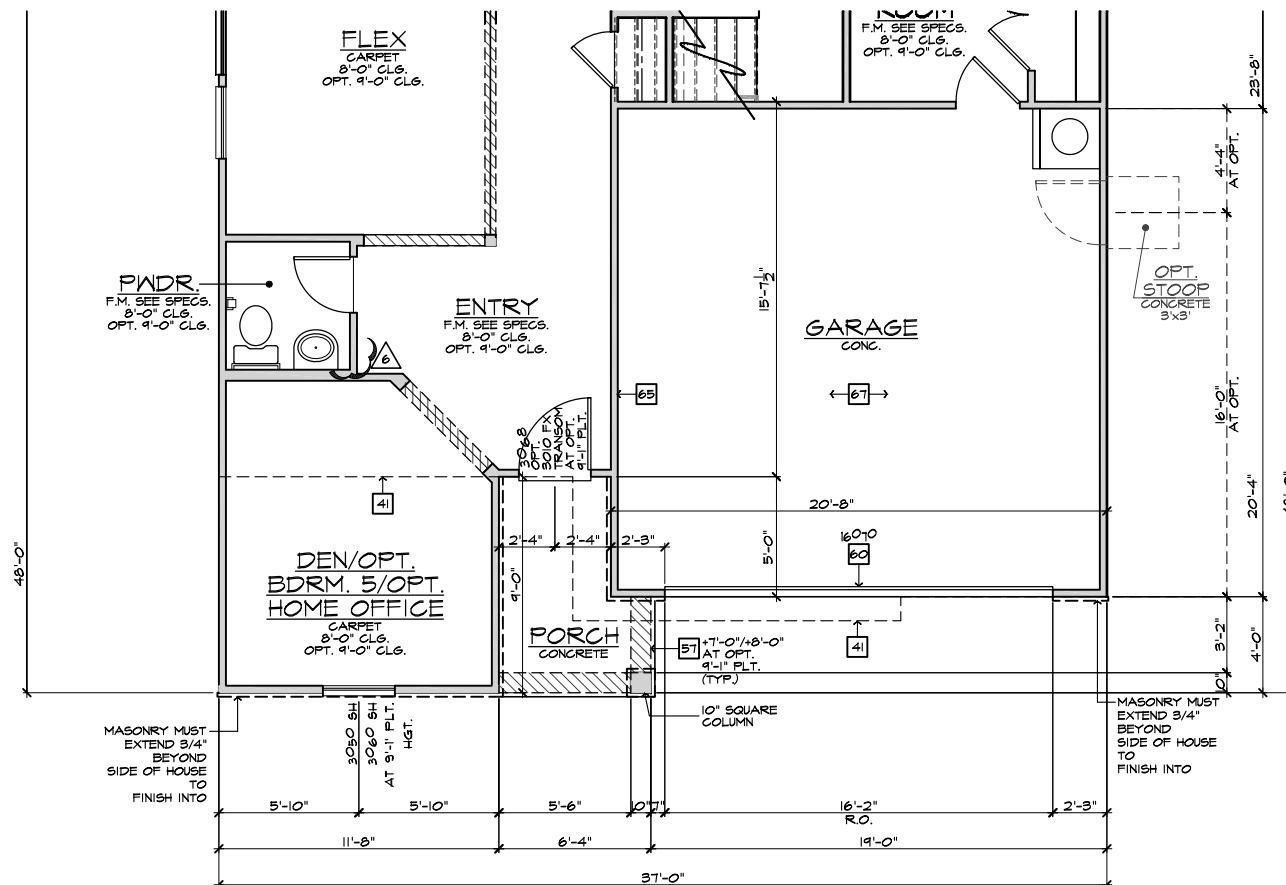
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**PARTIAL SECOND FLOOR PLAN 'C'**

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

BASIC PLAN



**PARTIAL FIRST FLOOR PLAN 'C'**

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

BASIC PLAN

#	PARTIAL PLAN NOTES
NOTE: NOT ALL KEY NOTES APPLY.	
27.	WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS)
28.	WATER HEATER B VENT TO OUTSIDE AIR
29.	MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
34.	LINE OF WALL BELOW
41.	LINE OF FLOOR ABOVE
42.	LINE OF FLOOR BELOW
43.	MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS)
50.	A/C PAD LOCATION
51.	LOW WALL - REFER TO PLAN FOR HEIGHT
52.	2x6 STUD WALL
54.	DEL. 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.)
62.	FYRON OR EQ. SURROUNDING STRUCTURAL POST.
63.	BRICK / STONE VENEER - REFER TO ELEVATIONS
64.	SECTIONAL GARAGE DOOR PER SPECS
66.	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).
68.	P.T. POST IV WRAP.
70.	EGRESS WINDOW
75.	WINDOW LEDGE - HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOW(S) ON ALL SIDES UNO.
76.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
77.	CONCRETE SLAB - SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SITE



**NORTH CAROLINA  
40' SERIES**

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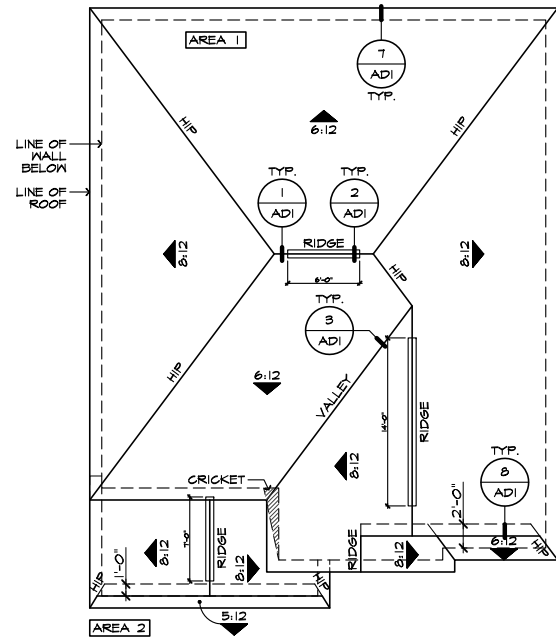
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NC21056NCP - 10/23/21 - KBA

PLAN:  
**237.2723-R**  
SHEET:  
**3.C1**

**SPEC. LEVEL 1  
RALEIGH-DURHAM  
40' SERIES**

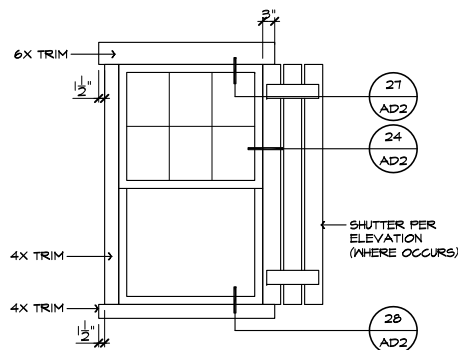
NOTE:  
REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

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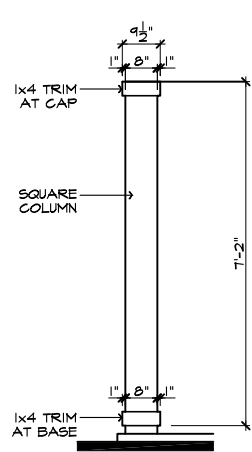
**ROOF PLAN 'C'**

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



**DETAIL 'B'**

SCALE: N.T.S.



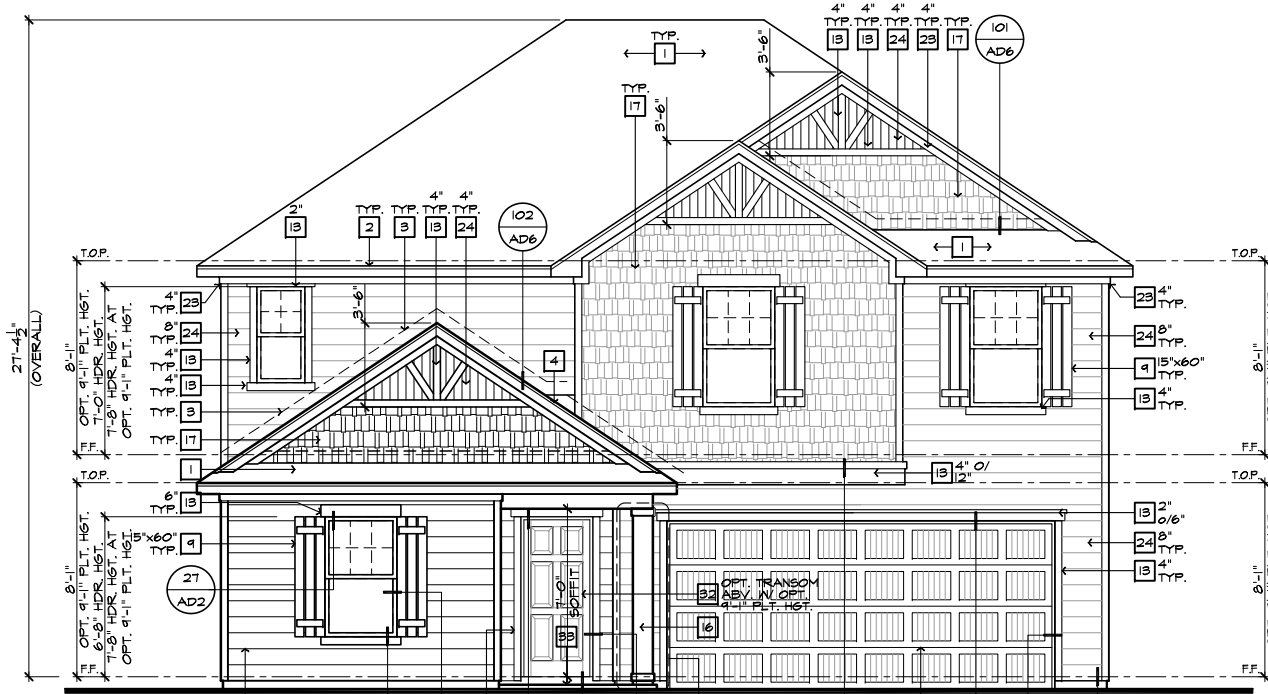
**DETAIL 'A'**

SCALE: N.T.S.



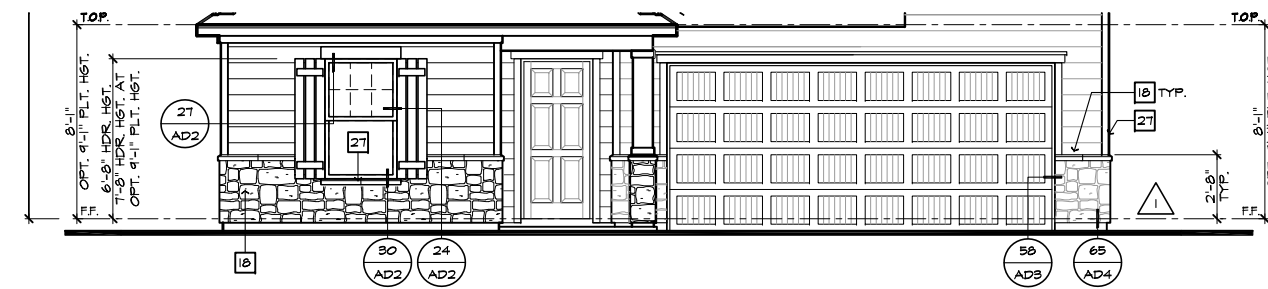
**REAR ELEVATION 'C'**

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



**FRONT ELEVATION 'C'**

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



**PARTIAL FRONT ELEVATION 'C' W/ MASONRY OPTION**

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

#	ELEVATION NOTES
<b>NOTE: NOT ALL KEY NOTES APPLY.</b>	
1.	ROOF MATERIAL - REFER TO ROOF NOTES
2.	2X FASCIA/BARGE BOARD WITH FASCIA CAP
3.	6:1. FLASHING
4.	6:1. FLASHING & SADDLE/CRICKET
5.	6:1. 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 PER SPEC- SEE ELEVATION FOR SIZE
14.	EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
15.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
16.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
17.	FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
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.	FIBER-CEMENT SIDING PER SPECS
25.	P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
26.	PRE-FAB DECORATIVE TRIM
27.	LIGHT WEIGHT PRECAST STONE TRIM
28.	P.T. LUMBER RAILINGS (36" U.N.O.)
29.	FIBER-CEMENT SMOOTH BOARD SEE SPECS
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

#	ROOF PLAN NOTES 'C'
6:12	INDICATES ROOF SLOPE AND DIRECTION, U.N.O.
<b>ROOF MATERIAL: COMPOSITION SHINGLE</b>	
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 VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS (LOW VENTING) (2018 N.C.-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:	VENTILATION REQUIRED:	SQ. FT. / 300	5.28 SQ. FT.
ATTIC AREA = 1570		X 144 =	754 SQ. IN.
	TOTAL HIGH & LOW =		754 SQ. IN.
	X 50% =		377 SQ. IN.

VENTILATION PROVIDED:	HIGH	LOW	TOTAL
20	LF RIDGE VENT(S) AT 10 SQ. IN. / LF. =	360 SQ. IN.	
1	ROOF VENT(S) AT 50 SQ. IN. EA. =	50 SQ. IN.	
	<b>SUB-TOTAL HIGH VENTILATION:</b>		410 SQ. IN.
56	LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. =	386 SQ. IN.	
0	ROOF VENT(S) AT 50 SQ. IN. EA. =	0 SQ. IN.	
	<b>SUB-TOTAL LOW VENTILATION:</b>		386 SQ. IN.
	<b>TOTAL VENTILATION PROVIDED:</b>		796 SQ. IN.

AREA 2 / PORCH:	VENTILATION REQUIRED:	SQ. FT. / 150	0.95 SQ. FT.
ATTIC AREA = 142		X 144 =	136 SQ. IN.
	TOTAL HIGH & LOW =		136 SQ. IN.

VENTILATION PROVIDED:	HIGH	LOW	TOTAL
5	LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. =	21 SQ. IN.	
11	LF RIDGE VENT(S) AT 10 SQ. IN. EA. =	116 SQ. IN.	
	<b>TOTAL VENTILATION PROVIDED:</b>		147 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/ 'BOISTOP' IN THE SAME MANNER PRESCRIBED FOR WINDOW INSTALLATION.



**NORTH CAROLINA 40' SERIES**

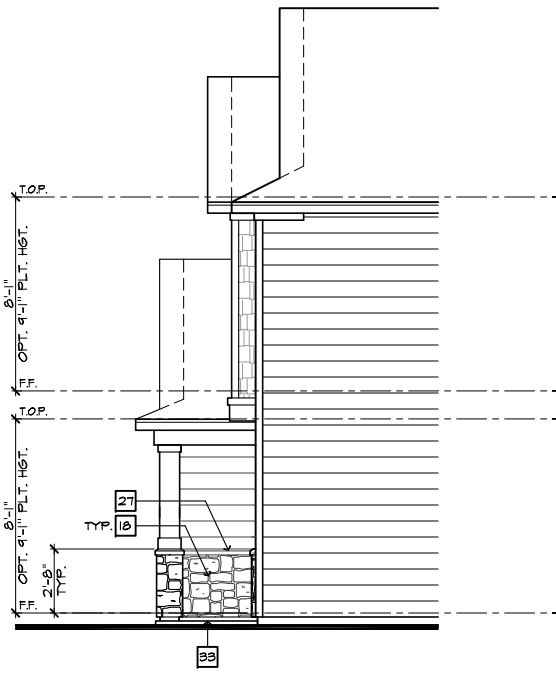
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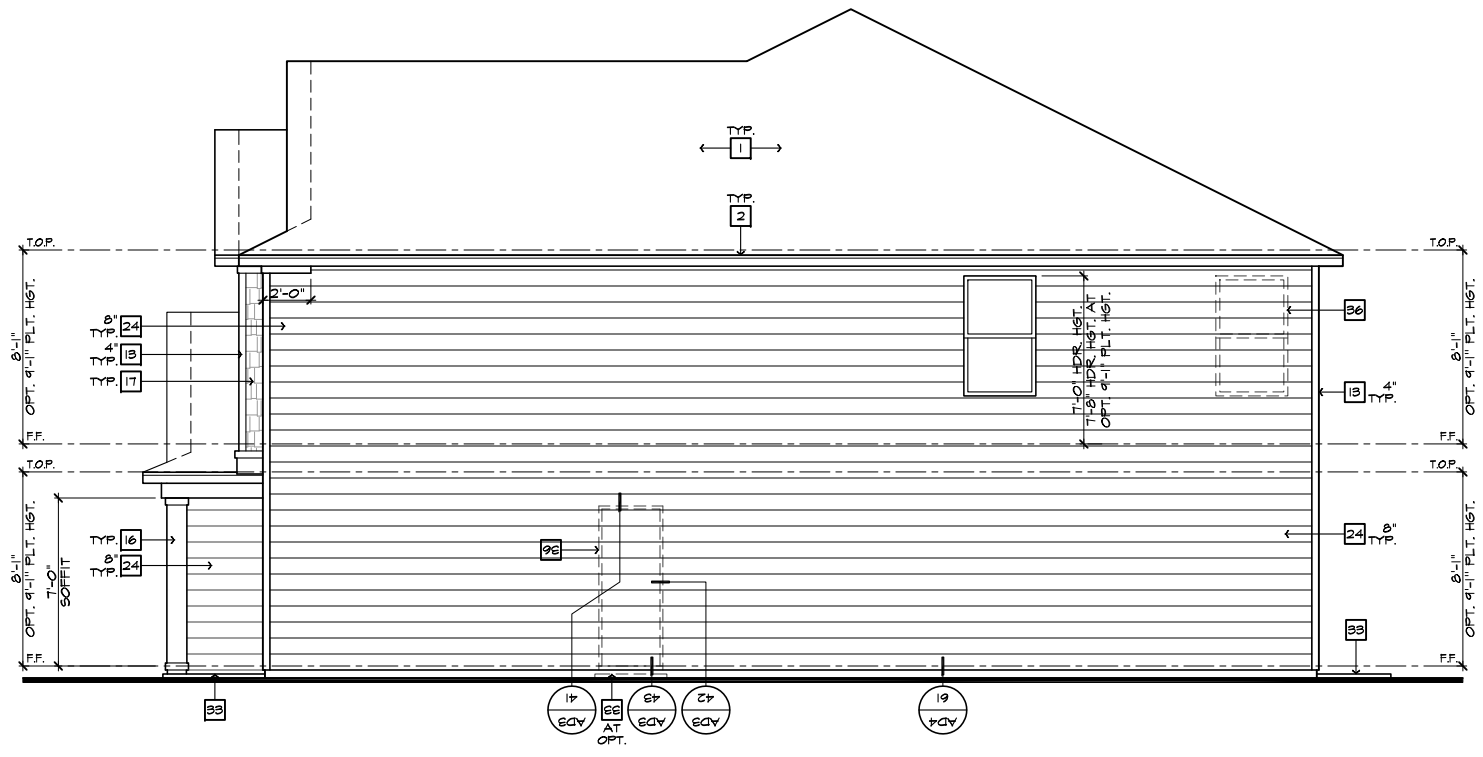
PLAN:  
**237.2723-R**  
 SHEET:  
**3.C2**  
 SPEC. LEVEL 1  
**RALEIGH-DURHAM 40' SERIES**

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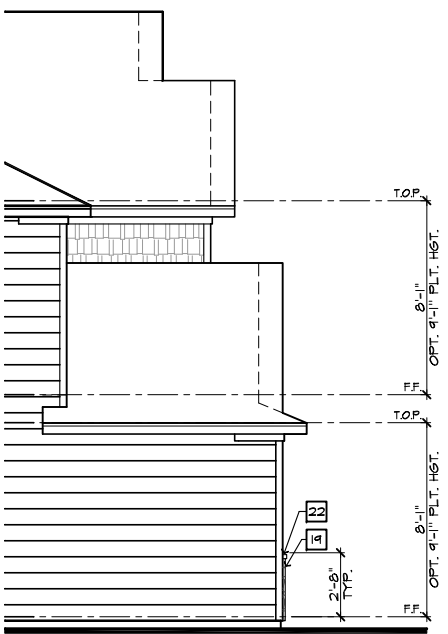
PARTIAL RIGHT ELEVATION 'C'  
W/ MASONRY OPTION

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



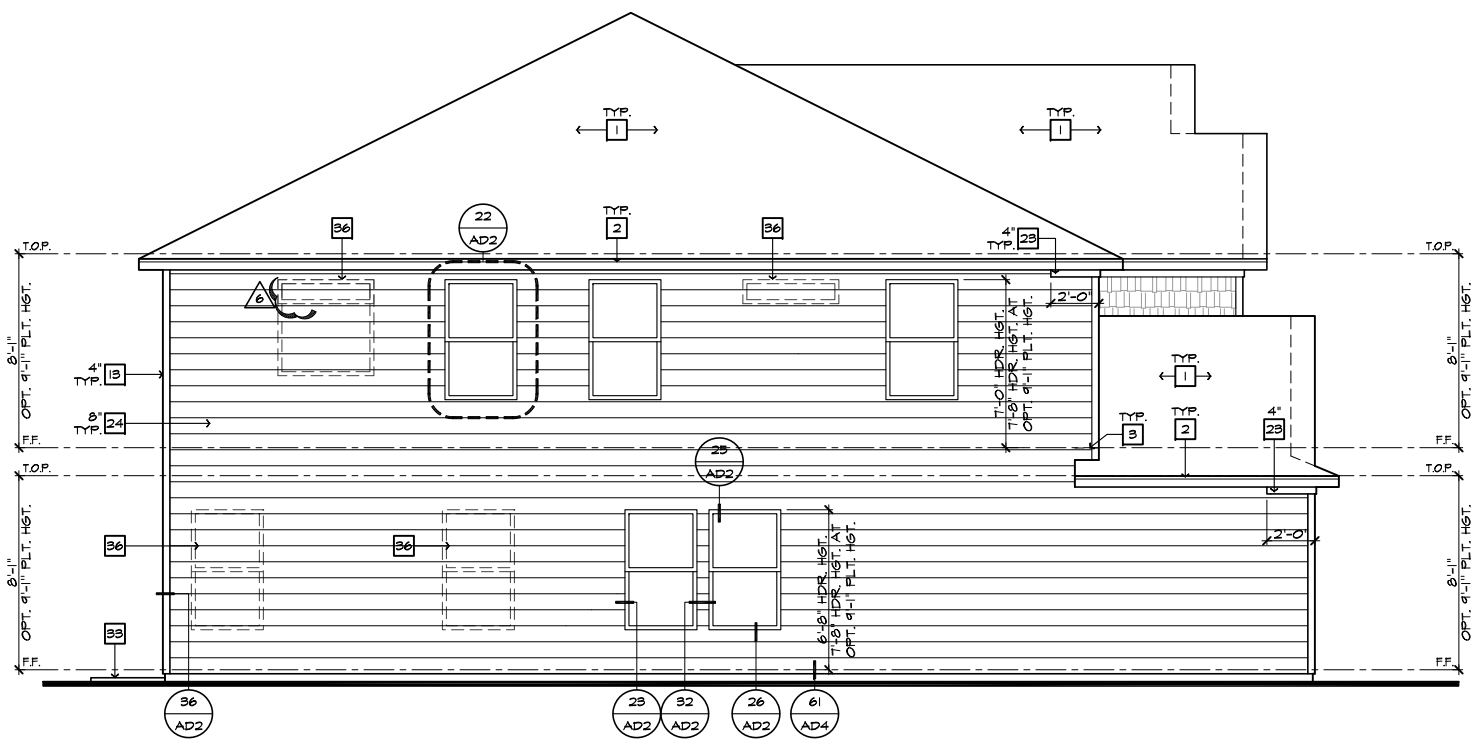
RIGHT ELEVATION 'C'

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



PARTIAL LEFT ELEVATION 'C'  
W/ MASONRY OPTION

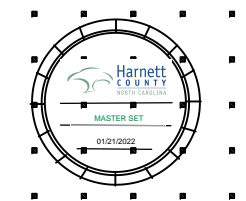
SCALE 1/4"=1'-0" (22'x34") - 1/8"=1'-0" (11'x17")



LEFT ELEVATION 'C'

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

#	ELEVATION NOTES
<b>NOTE: NOT ALL KEY NOTES APPLY.</b>	
1.	ROOF MATERIAL - REFER TO ROOF NOTES
2.	2X FASCIA/BARGE BOARD WITH FASCIA CAP
3.	Ø.1. FLASHING
4.	Ø.1. FLASHING & SADDLE/CRICKET
5.	Ø.1. 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 FYPHON OR EQ. SEE ELEVATION FOR TYPE
13.	TRIM PER SPEC- SEE ELEVATION FOR SIZE
14.	EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
15.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPHON OR EQ. SURROUNDING STRUCTURAL POST.
16.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
17.	FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
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.	FIBER-CEMENT SIDING PER SPECS
25.	P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
26.	PRE-FAB DECORATIVE TRIM
27.	LIGHT WEIGHT PRECAST STONE TRIM
28.	P.T. LUMBER RAILINGS (36" U.N.O.)
29.	FIBER-CEMENT SMOOTH BOARD SEE SPECS
30.	DECORATIVE WINDOW/DOOR TRIM - FYPHON OR EQ. SEE ELEVATION FOR SIZE.
31.	BRACKET OR KICKER - FYPHON 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
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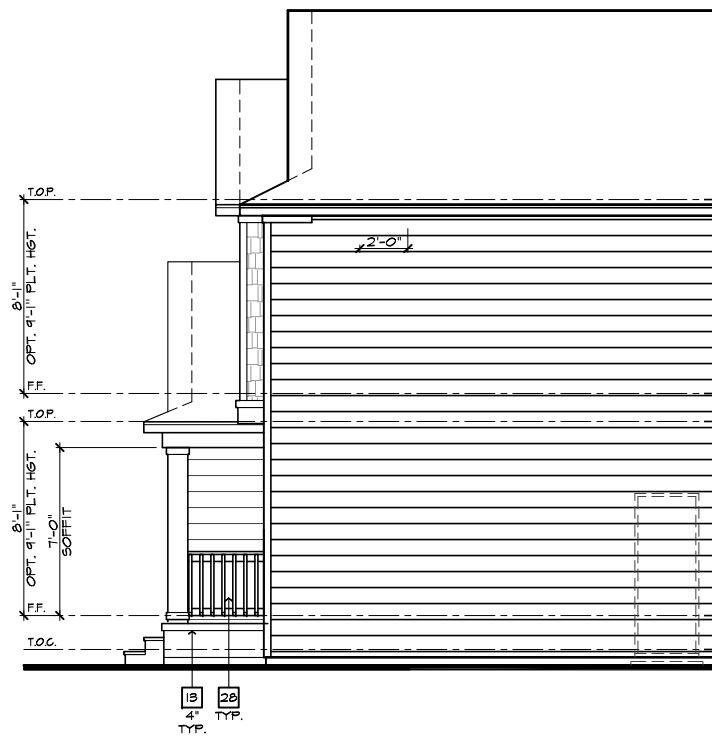
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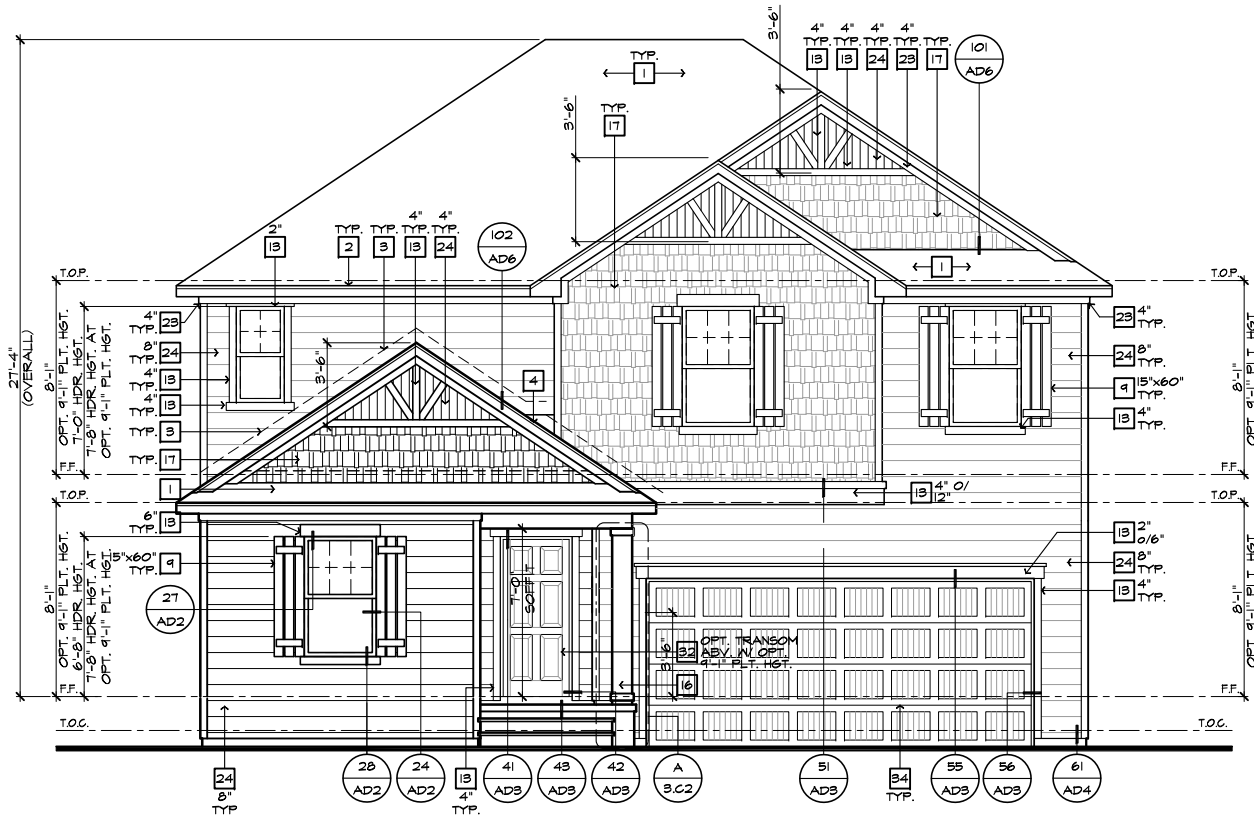
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SHEET:  
**3.C3**

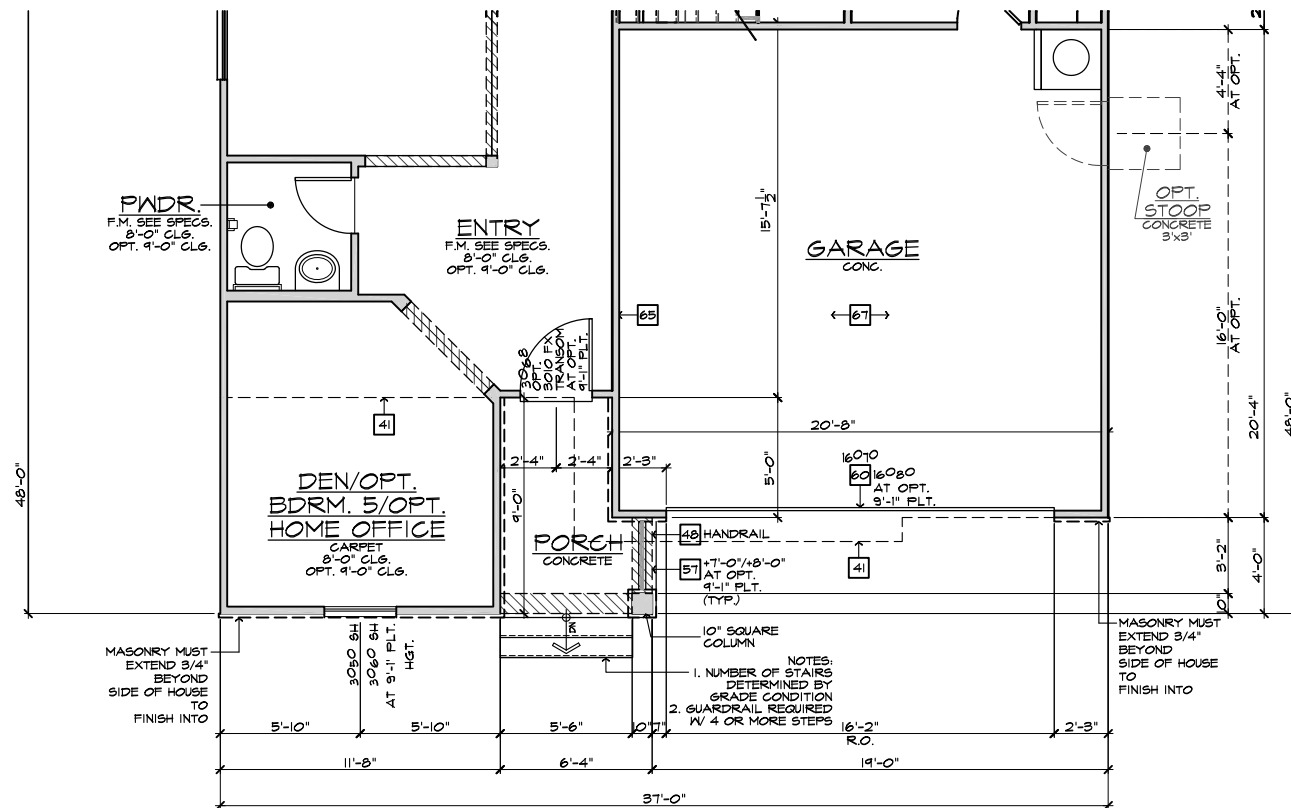
SPEC. LEVEL 1  
RALEIGH-DURHAM  
40' SERIES



**PARTIAL RIGHT ELEVATION 'C' W/ CRAWL SPACE**  
SCALE 1/4"=1'-0" (22'X34") - 1/8"=1'-0" (11'X17")



**FRONT ELEVATION 'C' W/ CRAWL SPACE**  
SCALE 1/4"=1'-0" (22'X34") - 1/8"=1'-0" (11'X17")



**PARTIAL FIRST FLOOR PLAN 'C' W/ CRAWL SPACE**  
SCALE 1/4"=1'-0" (22'X34") - 1/8"=1'-0" (11'X17")

#	ELEVATION NOTES
NOTE: NOT ALL KEY NOTES APPLY.	
1.	ROOF MATERIAL - REFER TO ROOF NOTES
2.	2X FASCIA/BARGE BOARD WITH FASCIA CAP
3.	6.1. FLASHING
4.	6.1. FLASHING & SADDLE/CRICKET
5.	6.1. 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 PER SPEC- SEE ELEVATION FOR SIZE
14.	EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
15.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
16.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
17.	FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
18.	STONE VENEER PER SPECS
19.	BRICK/MASONRY VENEER PER SPECS
20.	BUILT UP BRICK COLUMN
21.	SOLDIER COURSE
22.	ROCKLOCK COURSE
23.	FRIEZE BOARD
24.	FIBER-CEMENT SIDING PER SPECS
25.	P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
26.	PRE-FAB DECORATIVE TRIM
27.	LIGHT WEIGHT PRECAST STONE TRIM
28.	P.T. LUMBER RAILINGS (36" U.N.O.)
29.	FIBER-CEMENT SMOOTH BOARD SEE SPECS
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

#	PARTIAL PLAN NOTES
NOTE: NOT ALL KEY NOTES APPLY.	
27.	WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS)
28.	WATER HEATER B VENT TO OUTSIDE AIR
29.	MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
34.	LINE OF WALL BELOW
41.	LINE OF FLOOR ABOVE
42.	LINE OF FLOOR BELOW
43.	MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS)
50.	A/C PAD LOCATION
51.	LOW WALL - REFER TO PLAN FOR HEIGHT
52.	2x6 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.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
62.	BRICK / STONE VENEER - REFER TO ELEVATIONS
63.	SECTIONAL GARAGE DOOR PER SPECS
66.	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).
68.	P.T. POST W/ 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.

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ISSUE DATE: 02/23/17  
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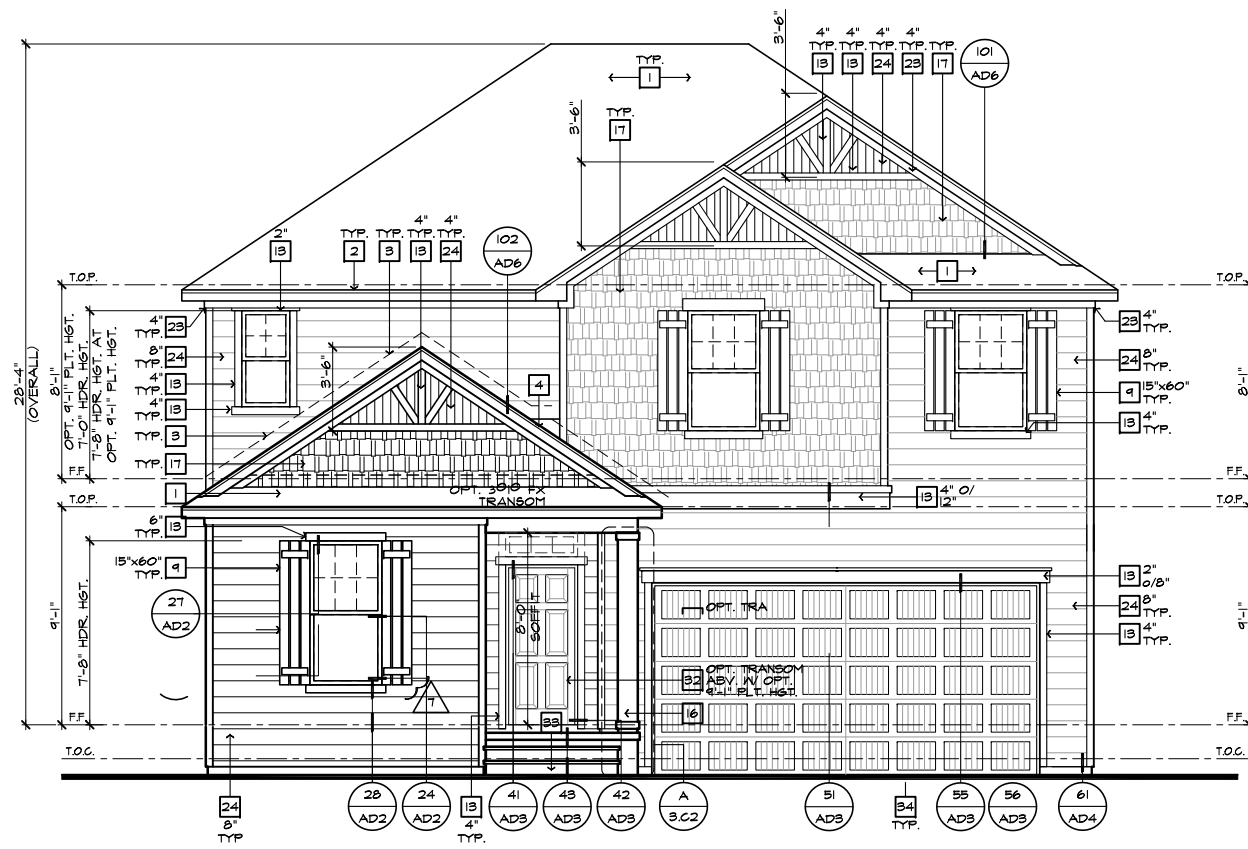
PLAN:  
**237.2723-R**  
SHEET:  
**3.C4**

SPEC. LEVEL 1  
**RALEIGH-DURHAM  
40' SERIES**

NOTE:  
REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE

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

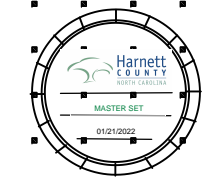
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FRONT ELEVATION 'C' W/ CRAWL SPACE  
AT OPTIONAL 9'-1" PLT. HGT.

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

- ELEVATION NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
1. ROOF MATERIAL - REFER TO ROOF NOTES
  2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
  3. 6.1. FLASHING
  4. 6.1. FLASHING & SADDLE/CRICKET
  5. 6.1. 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 PER SPEC- SEE ELEVATION FOR SIZE
  14. EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
  15. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
  16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
  17. FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
  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. FIBER-CEMENT SIDING PER SPECS
  25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
  26. PRE-FAB DECORATIVE TRIM
  27. LIGHT WEIGHT PRECAST STONE TRIM
  28. P.T. LUMBER RAILINGS (36" U.N.O.)
  29. FIBER-CEMENT SMOOTH BOARD SEE SPECS
  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



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PLAN:  
**237.2723-R**  
SHEET:  
**3.C5**

SPEC. LEVEL 1  
RALEIGH-DURHAM  
40' SERIES



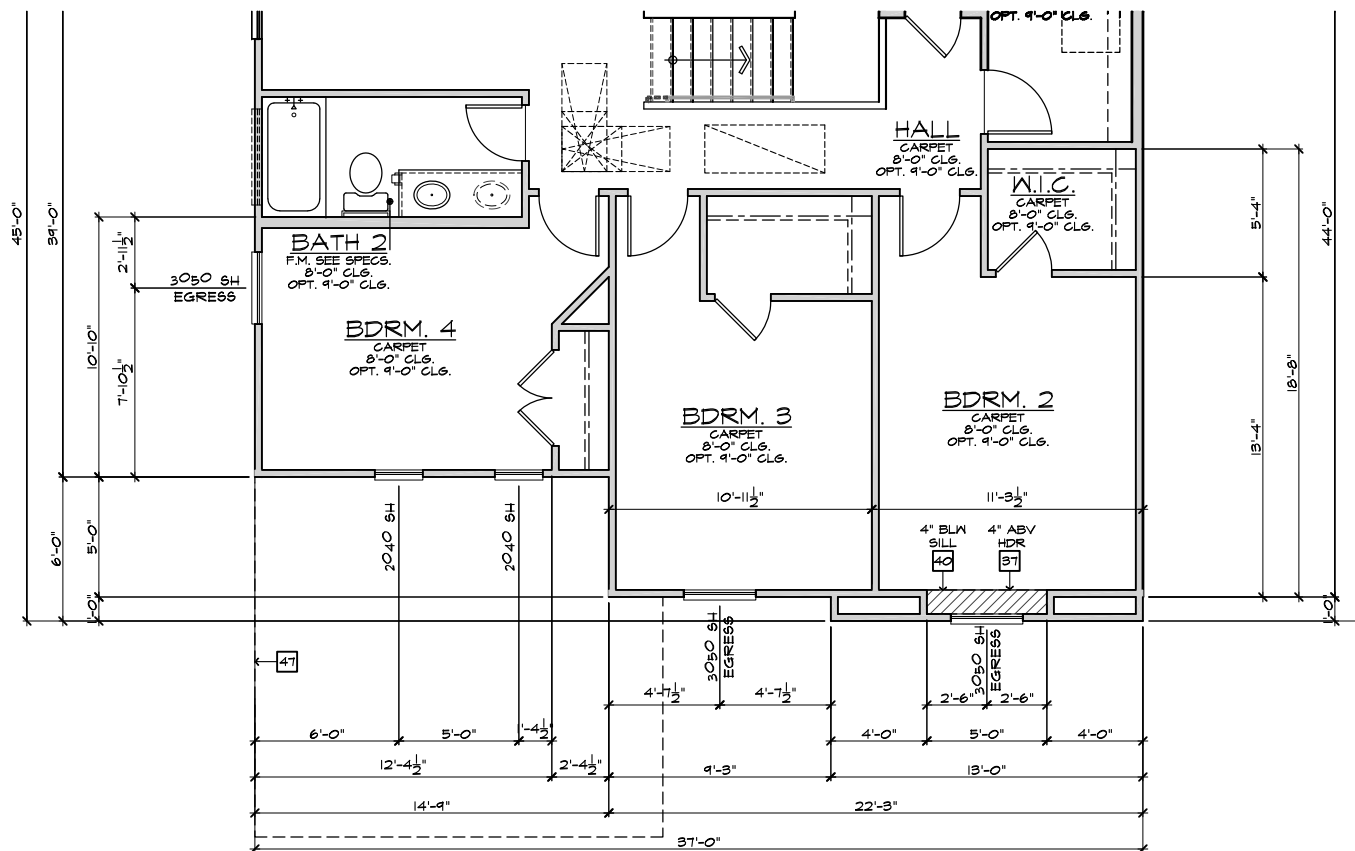
PARTIAL FRONT ELEVATION 'C' W/ MASONRY OPTION

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

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

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

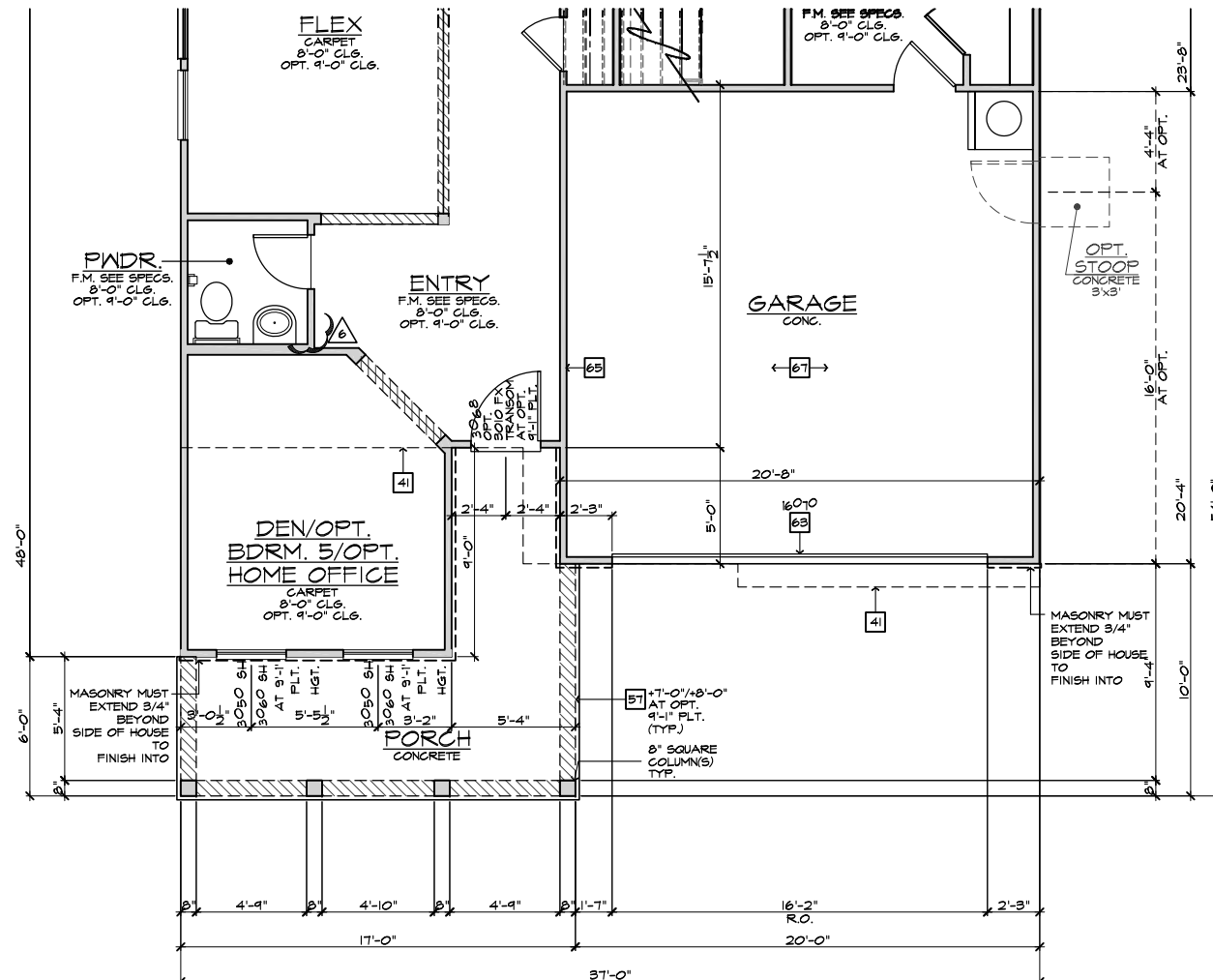
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**PARTIAL SECOND FLOOR PLAN 'D'**

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

BASIC PLAN



**PARTIAL FIRST FLOOR PLAN 'D'**

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

BASIC PLAN

#	PARTIAL PLAN NOTES
NOTE: NOT ALL KEY NOTES APPLY.	
27.	WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS)
28.	WATER HEATER B VENT TO OUTSIDE AIR
29.	MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
34.	LINE OF WALL BELOW
41.	LINE OF FLOOR ABOVE
42.	LINE OF FLOOR BELOW
43.	MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS)
50.	A/C PAD LOCATION
51.	LOW WALL - REFER TO PLAN FOR HEIGHT
52.	2x6 STUD WALL
54.	DEL. 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.)
62.	BRICK / STONE VENEER - REFER TO ELEVATIONS
63.	SECTIONAL GARAGE DOOR PER SPECS
66.	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)
68.	P.T. POST IV WRAP
70.	EGRESS WINDOW
75.	WINDOW LEDGE - HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOW(S) ON ALL SIDES UNO.
76.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
77.	CONCRETE SLAB - SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SITE



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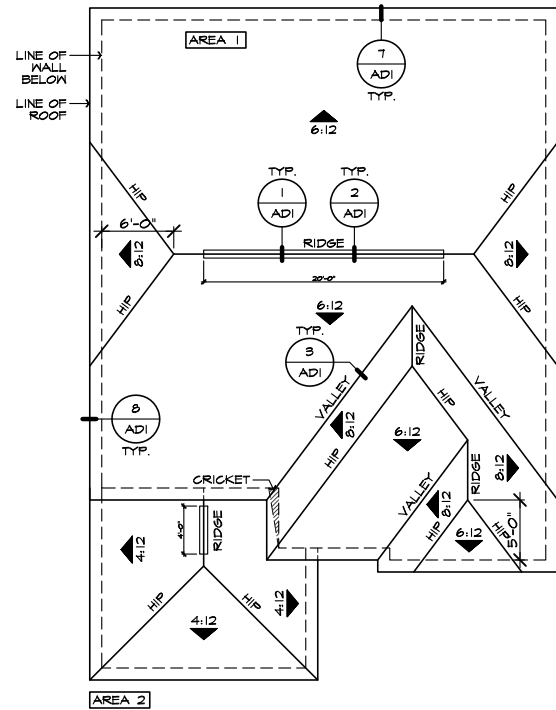
PLAN:  
**237.2723-R**

SHEET:  
**3.D1**

SPEC. LEVEL 1  
RALEIGH-DURHAM  
**40' SERIES**

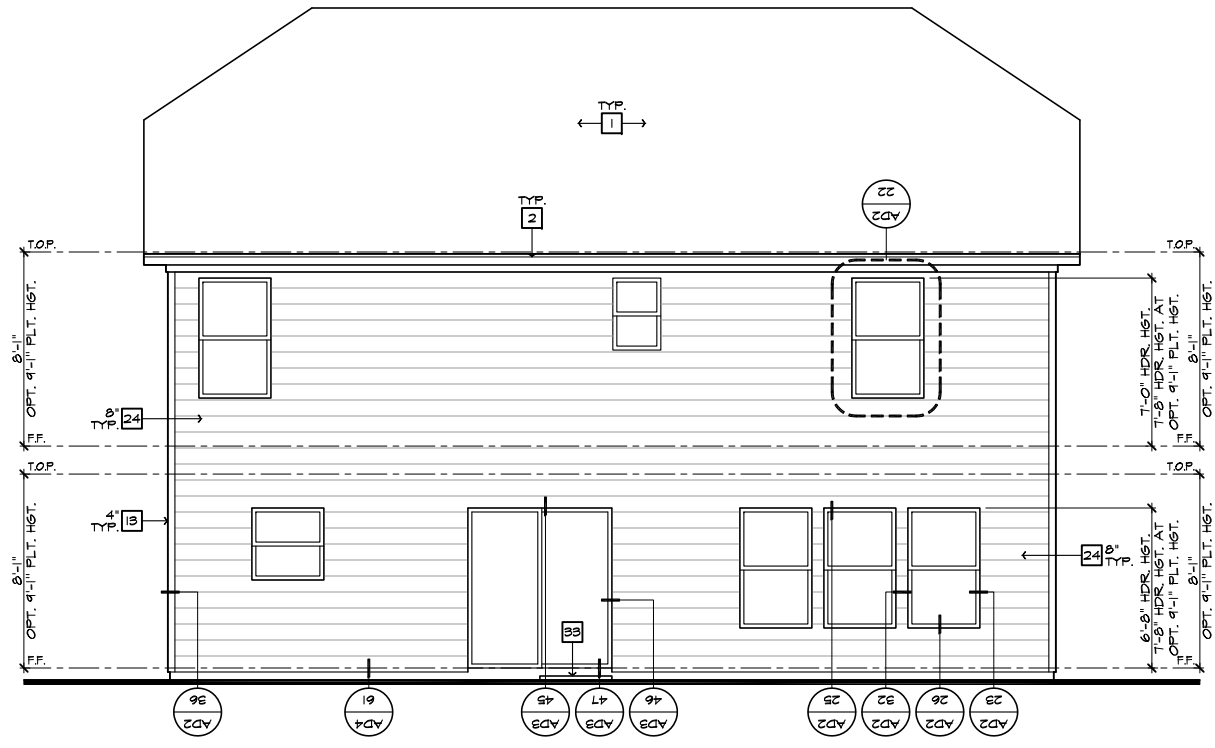
NOTE:  
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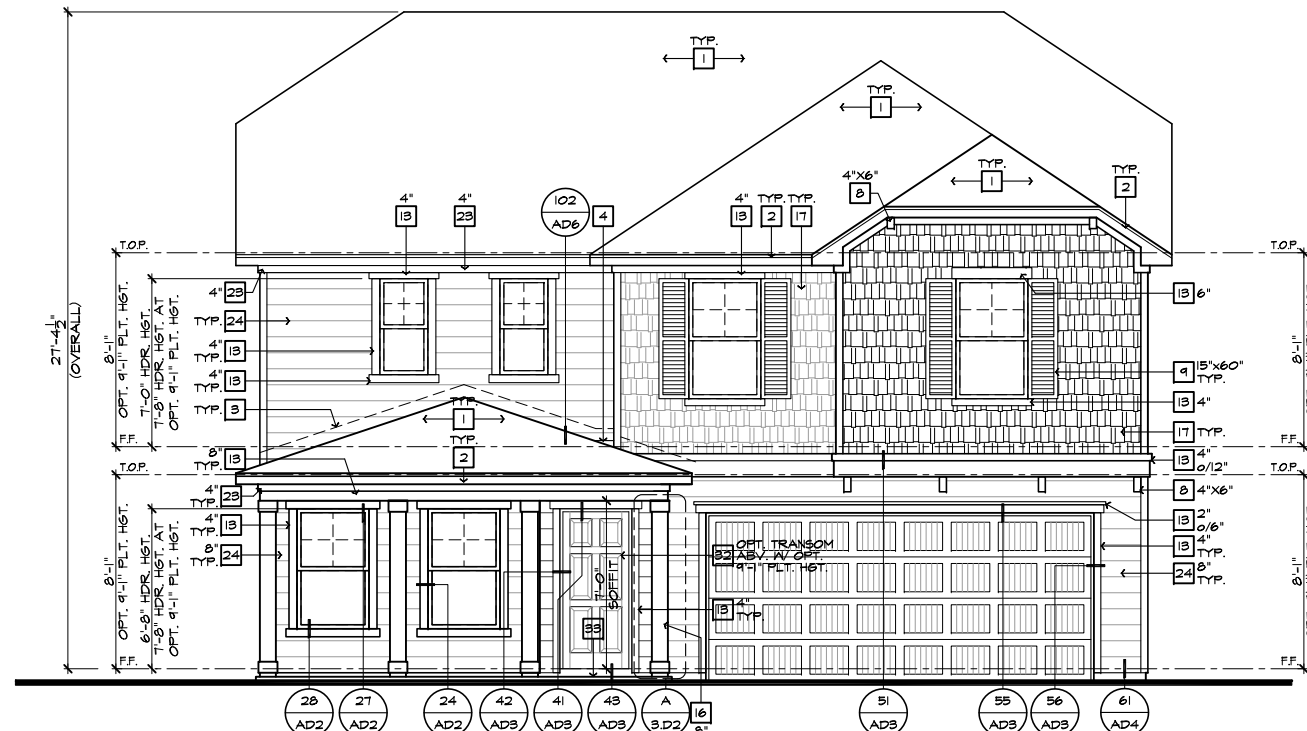
**ROOF PLAN 'D'**

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



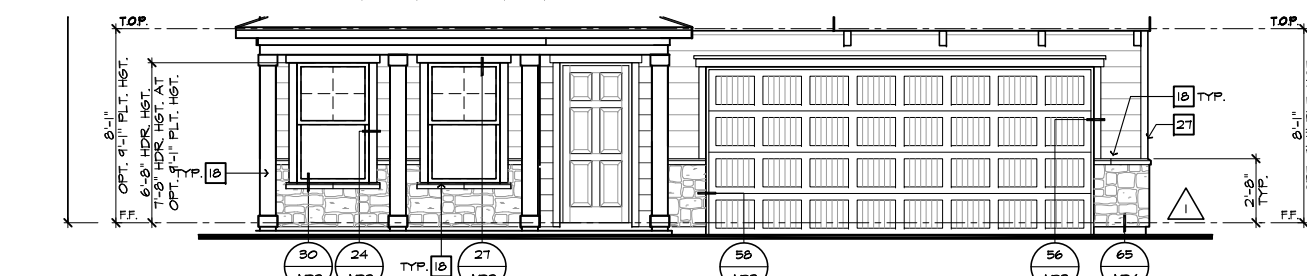
**REAR ELEVATION 'D'**

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



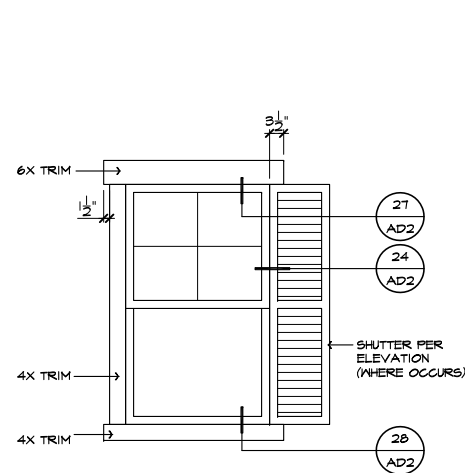
**FRONT ELEVATION 'D'**

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



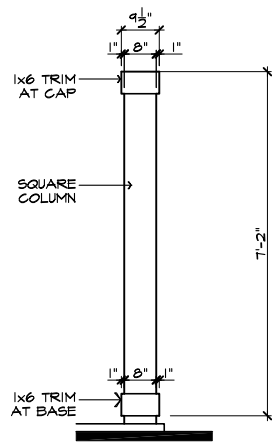
**PARTIAL FRONT ELEVATION 'D' W/ MASONRY OPTION**

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



**DETAIL 'B'**

SCALE: N.T.S.



**DETAIL 'A'**

SCALE: N.T.S.

**ELEVATION NOTES**

- NOTE: NOT ALL KEY NOTES APPLY.
- ROOF MATERIAL - REFER TO ROOF NOTES
  - 2X FASCIA/BARGE BOARD WITH FASCIA CAP
  - 6:12 FLASHING
  - 6:12 FLASHING & SADDLE/CRICKET
  - 6:12 DRIP SCREED
  - 24"x24" CHIMNEY
  - DECORATIVE VENT
  - DECORATIVE CORBEL
  - DECORATIVE SHUTTERS
  - PEDIMENT. SEE ELEVATION FOR TYPE
  - RECESSED ELEMENT
  - DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
  - TRIM PER SPEC- SEE ELEVATION FOR SIZE
  - EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
  - PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
  - SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
  - FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
  - STONE VENEER PER SPECS
  - BRICK/MASONRY VENEER PER SPECS
  - BUILT UP BRICK COLUMN
  - SOLDIER COURSE
  - ROWLOCK COURSE
  - FRIEZE BOARD
  - FIBER-CEMENT SIDING PER SPECS
  - P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
  - PRE-FAB DECORATIVE TRIM
  - LIGHT WEIGHT PRECAST STONE TRIM
  - P.T. LUMBER RAILINGS (36" U.N.O.)
  - FIBER-CEMENT SMOOTH BOARD SEE SPECS
  - 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
  - PILASTER - SEE ELEVATION FOR TYPE

**ROOF PLAN NOTES 'D'**

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 SHEARMALL 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 VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS (LOW VENTING) (2018 N.C.-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:**

VENTILATION REQUIRED:	SQ. FT. / 300	4.71 SQ. FT.
ATTIC AREA = 1412	X 144 =	678 SQ. IN.
	TOTAL HIGH & LOW =	678 SQ. IN.
	X 50% =	339 SQ. IN.

**VENTILATION PROVIDED:**

HIGH	LF RIDGE VENT(S) AT	10	SQ. IN. / LF. =	360 SQ. IN.
	ROOF VENT(S) AT	50	SQ. IN. EA. =	50 SQ. IN.
SUB-TOTAL HIGH VENTILATION:				410 SQ. IN.
LOW	LF VENTILATED SOFFIT AT	6.9	SQ. IN. / LF. =	386 SQ. IN.
	ROOF VENT(S) AT	50	SQ. IN. EA. =	0 SQ. IN.
SUB-TOTAL LOW VENTILATION:				386 SQ. IN.
TOTAL VENTILATION PROVIDED:				796 SQ. IN.

**AREA 2 / PORCH:**

VENTILATION REQUIRED:	SQ. FT. / 150	1.93 SQ. FT.
ATTIC AREA = 144	X 144 =	191 SQ. IN.
	TOTAL HIGH & LOW =	191 SQ. IN.

**VENTILATION PROVIDED:**

24	LF VENTILATED SOFFIT AT	6.9	SQ. IN. / LF. =	200 SQ. IN.
4	LF RIDGE VENT(S) AT	10	SQ. IN. EA. =	12 SQ. IN.
TOTAL VENTILATION PROVIDED:				212 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 LOWERS SHALL BE SEALED & FLASHED W/ "BOISTOP" IN THE SAME MANNER PRESCRIBED FOR WINDOW INSTALLATION.



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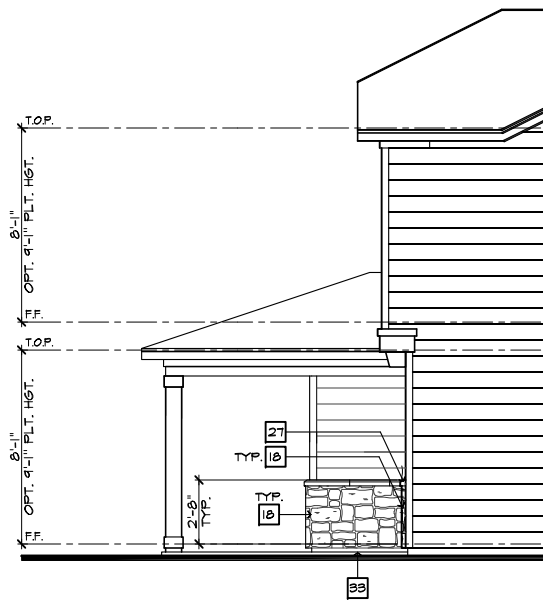
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PLAN:  
**237.2723-R**  
 SHEET:  
**3.D2**

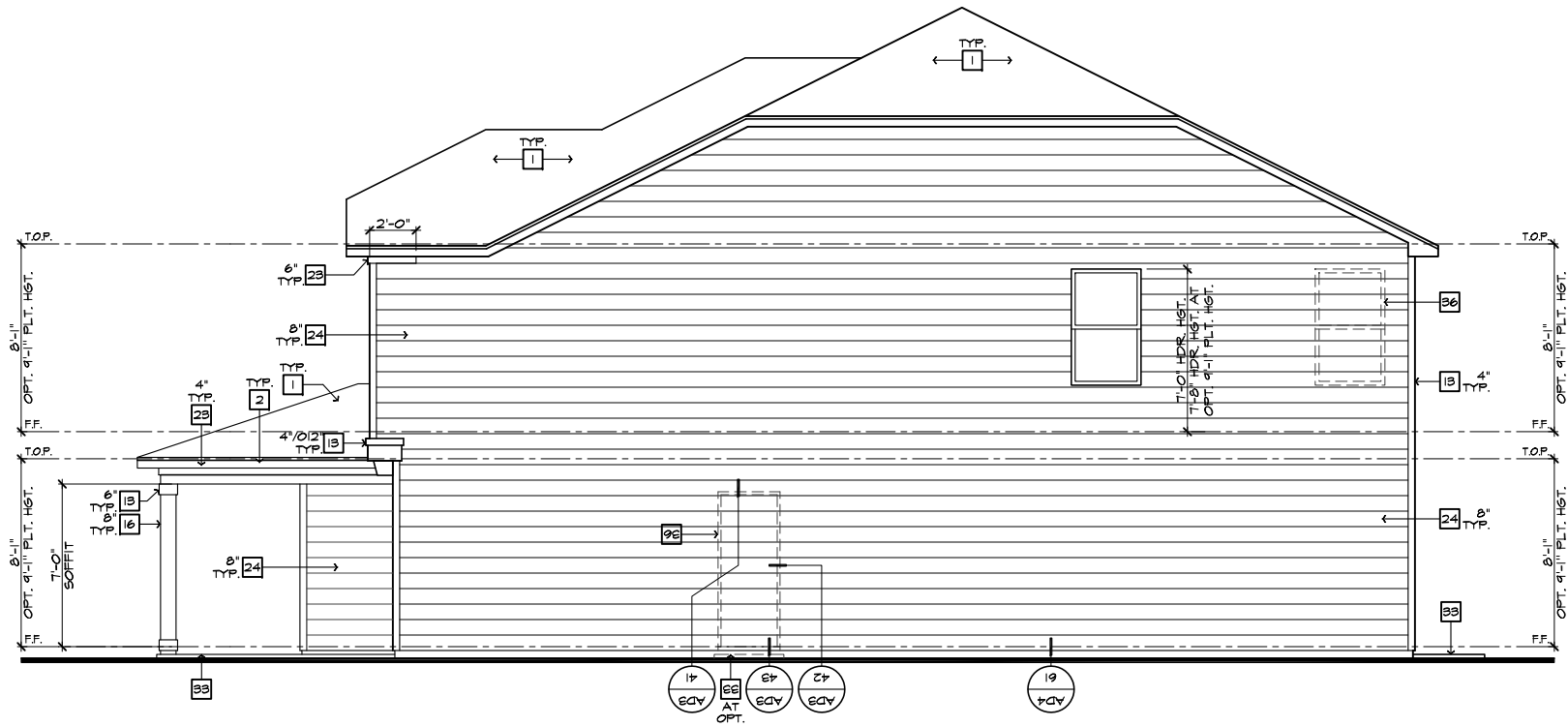
SPEC. LEVEL 1  
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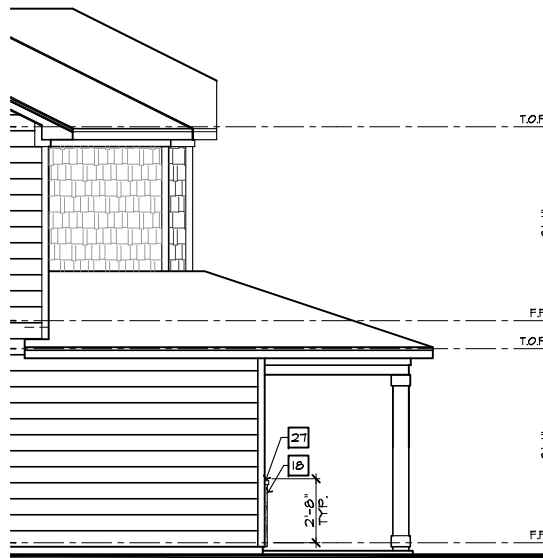
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W/ MASONRY OPTION

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



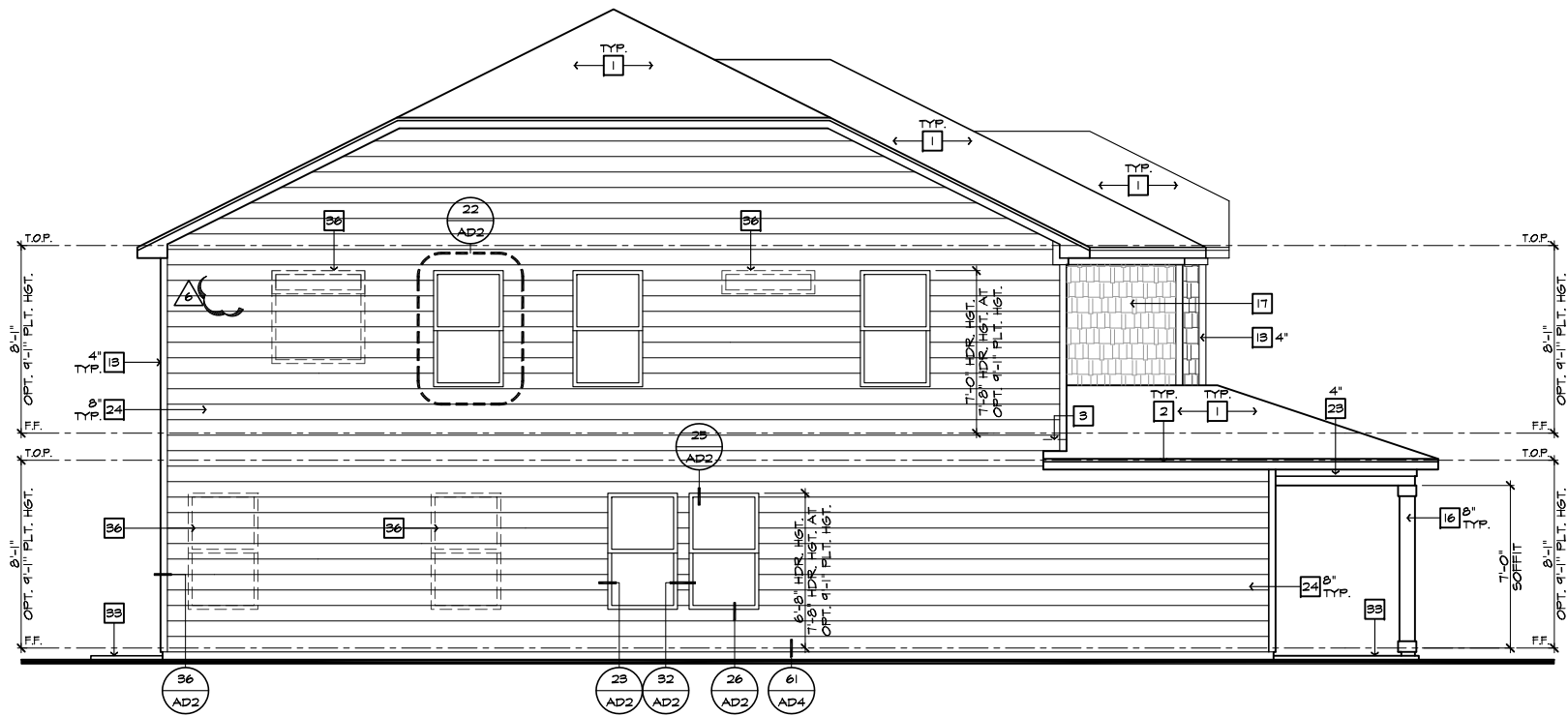
**RIGHT ELEVATION 'D'**

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



**PARTIAL LEFT ELEVATION 'D'**  
W/ MASONRY OPTION

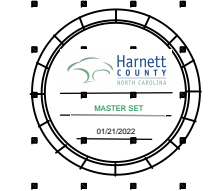
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**LEFT ELEVATION 'D'**

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

#	ELEVATION NOTES
<b>NOTE: NOT ALL KEY NOTES APPLY.</b>	
1.	ROOF MATERIAL - REFER TO ROOF NOTES
2.	2X FASCIA/BARGE BOARD WITH FASCIA CAP
3.	Ø.1. FLASHING
4.	Ø.1. FLASHING & SADDLE/CRICKET
5.	Ø.1. 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 PER SPEC- SEE ELEVATION FOR SIZE
14.	EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
15.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
16.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
17.	FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
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.	FIBER-CEMENT SIDING PER SPECS
25.	P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
26.	PRE-FAB DECORATIVE TRIM
27.	LIGHT WEIGHT PRECAST STONE TRIM
28.	P.T. LUMBER RAILINGS (46" U.N.O.)
29.	FIBER-CEMENT SMOOTH BOARD SEE SPECS
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



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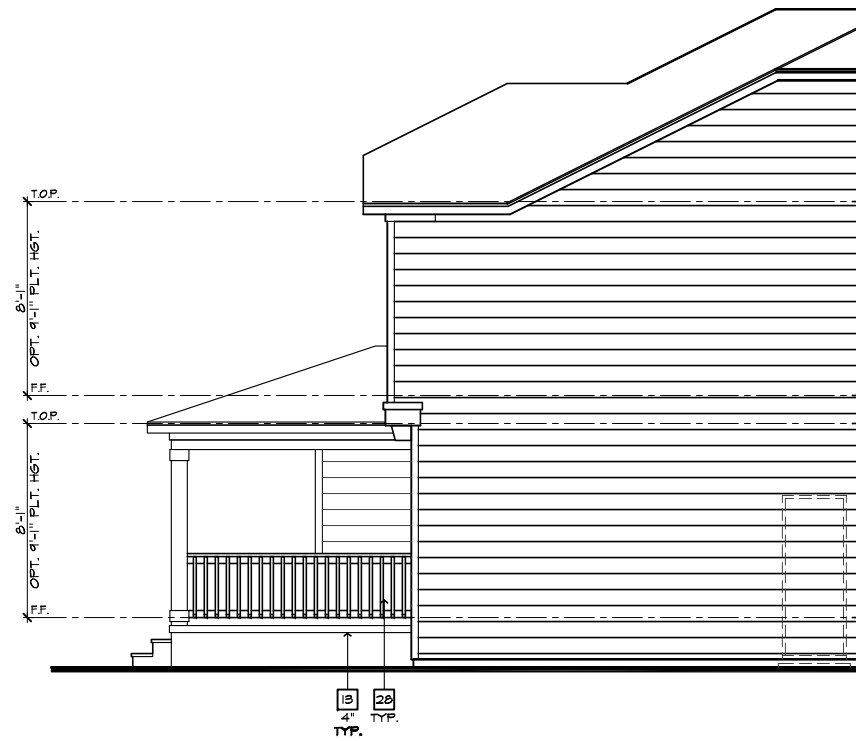
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**3.D3**

SPEC. LEVEL 1  
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**40' SERIES**

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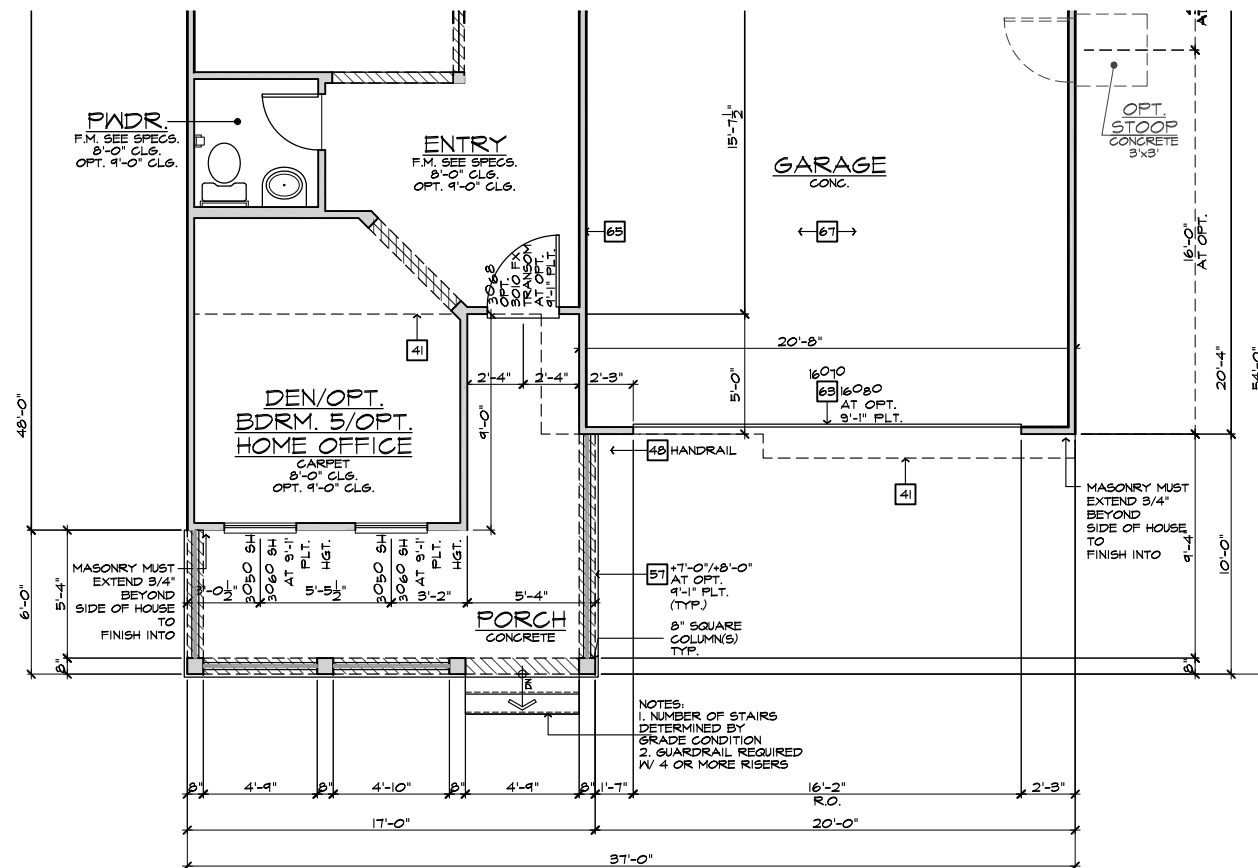
**PARTIAL RIGHT ELEVATION 'D' W/ CRAWL SPACE**

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



**FRONT ELEVATION 'D' W/ CRAWL SPACE**

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



**PARTIAL FIRST FLOOR PLAN 'D' W/ CRAWL SPACE**

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

#	ELEVATION NOTES
<b>NOTE: NOT ALL KEY NOTES APPLY.</b>	
1.	ROOF MATERIAL - REFER TO ROOF NOTES
2.	2X FASCIA/BARGE BOARD WITH FASCIA CAP
3.	6.1. FLASHING
4.	6.1. FLASHING & SADDLE/CRICKET
5.	6.1. 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 PER SPEC- SEE ELEVATION FOR SIZE
14.	EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
15.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
16.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
17.	FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
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.	FIBER-CEMENT SIDING PER SPECS
25.	P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
26.	PRE-FAB DECORATIVE TRIM
27.	LIGHT WEIGHT PRECAST STONE TRIM
28.	P.T. LUMBER RAILINGS (36" U.N.O.)
29.	FIBER-CEMENT SMOOTH BOARD SEE SPECS
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

#	PARTIAL PLAN NOTES
<b>NOTE: NOT ALL KEY NOTES APPLY.</b>	
27.	WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS)
28.	WATER HEATER B VENT TO OUTSIDE AIR
29.	MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
34.	LINE OF WALL BELOW
41.	LINE OF FLOOR ABOVE
42.	LINE OF FLOOR BELOW
43.	MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS)
50.	A/C PAD LOCATION
51.	LOW WALL - REFER TO PLAN FOR HEIGHT
52.	2x6 STUD WALL
54.	DEL. 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.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
62.	BRICK / STONE VENEER - REFER TO ELEVATIONS
63.	SECTIONAL GARAGE DOOR PER SPECS
66.	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).
68.	P.T. POST W/ WRAP TO EGRESS WINDOW
75.	WINDOW LEDGE. HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOWS) 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.



**NORTH CAROLINA 40' SERIES**

KB HOME NORTH CAROLINA DIVISION

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

ISSUE DATE: 02/23/17  
PROJECT No.: 1350999-56  
DIVISION MGR.: DS

- REVISIONS:
- 4 DIVISION REVISIONS NC19011NCP/ 2/27/19 CTD
  - 5 2018 CODE UPDATE NC19015NCP/ 03/15/19 / CTD
  - 6 DIVISION REVISIONS NC19032NCP/ 04/02/18 FAE
  - 7 DIVISION REVISIONS NC20017NCP/ 03/02/20 KBA
  - 8 REPLACED KEYNOTES NC20025NCP/ 05/22/20 / KBA
  - 9 HOME OFFICE CORP21003CORP-08/20/20-CTD
  - 10 ADD DECKS & SUNROOM NC21019NCP-04/03/21-CTD
  - 11 DIVISION REVISION NC21057NCP - 10/23/21 - KBA
  - 12 DIVISION REVISION NC21055NCP - 10/23/21 - KBA

PLAN: 237.2723-R  
SHEET: 3.D4

SPEC. LEVEL 1  
RALEIGH-DURHAM 40' SERIES

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

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FRONT ELEVATION 'D' W/ CRAWL SPACE  
AT OPTIONAL 9'-1" PLT. HGT.

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

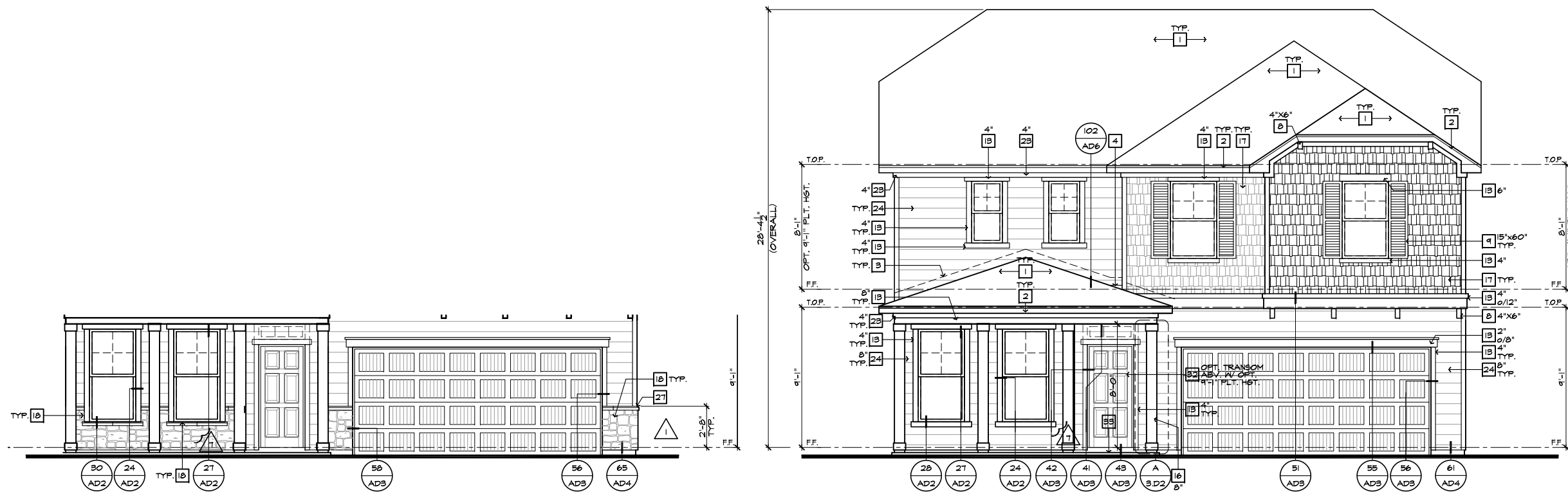
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  4. 6.1. FLASHING & SADDLE/CRICKET
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  6. 24"X24" CHIMNEY
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  8. DECORATIVE CORBEL
  9. DECORATIVE SHUTTERS
  10. PEDIMENT. SEE ELEVATION FOR TYPE
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  12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
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  17. FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
  18. STONE VENEER PER SPECS
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  25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
  26. PRE-FAB DECORATIVE TRIM
  27. LIGHT WEIGHT PRECAST STONE TRIM
  28. P.T. LUMBER RAILINGS (48" U.N.O.)
  29. FIBER-CEMENT SMOOTH BOARD SEE SPECS
  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
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  38. KEYSTONE
  39. SOLDIER CROWN
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  41. WATER TABLE
  42. ATRIUM DOOR
  43. PILASTER - SEE ELEVATION FOR TYPE



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PARTIAL FRONT ELEVATION 'D' W/ MASONRY OPTION

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

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

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

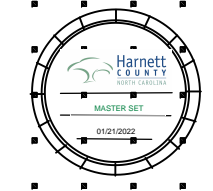
ISSUE DATE: 02/23/17  
PROJECT No.: 1350999:56  
DIVISION MGR.: DS

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NC21057NCP - 10/25/21 - KBA
  - 12 DIVISION REVISION  
NC21056NCP - 10/25/21 - KBA

PLAN:  
237.2723-R

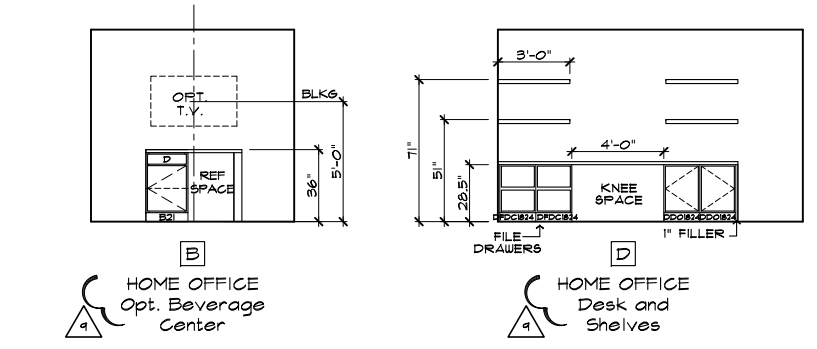
SHEET:  
3.D5

SPEC. LEVEL 1  
RALEIGH-DURHAM  
40' SERIES

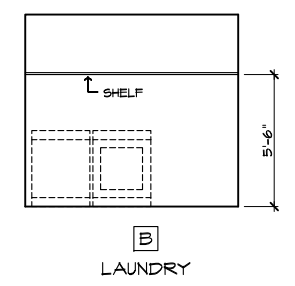
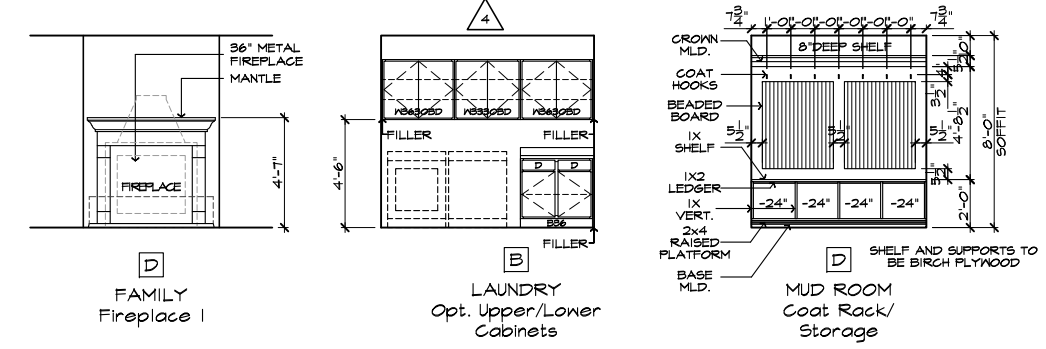


# NORTH CAROLINA 40' SERIES

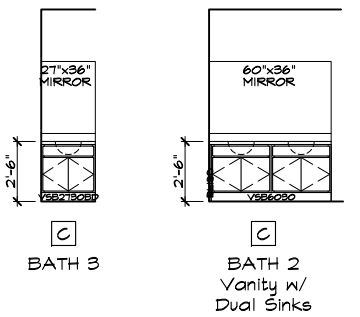
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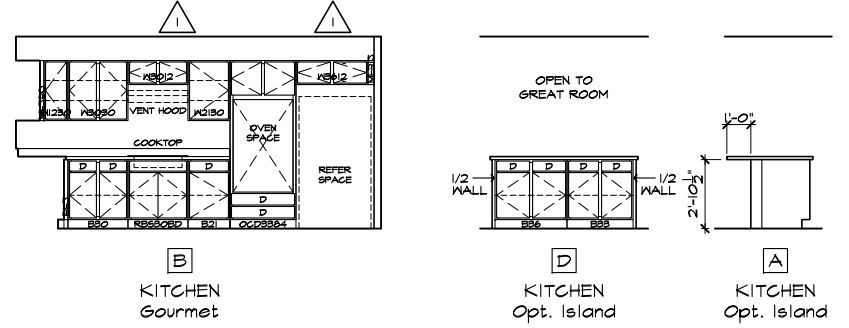
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### INTERIOR ELEVATIONS



### BATH ELEVATIONS

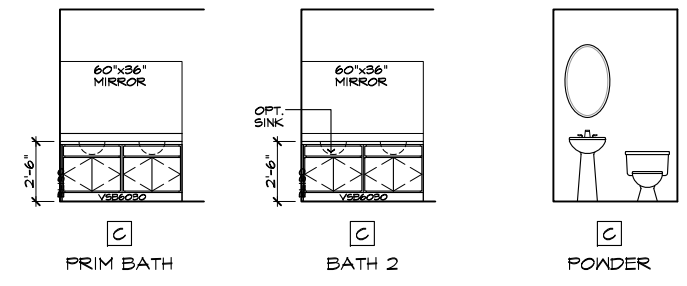


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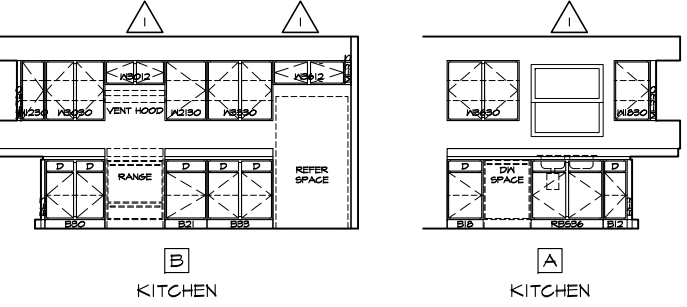
### OPTIONAL INTERIOR ELEVATIONS

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

### INTERIOR ELEVATIONS



### BATH ELEVATIONS



### KITCHEN ELEVATIONS

### INTERIOR ELEVATIONS

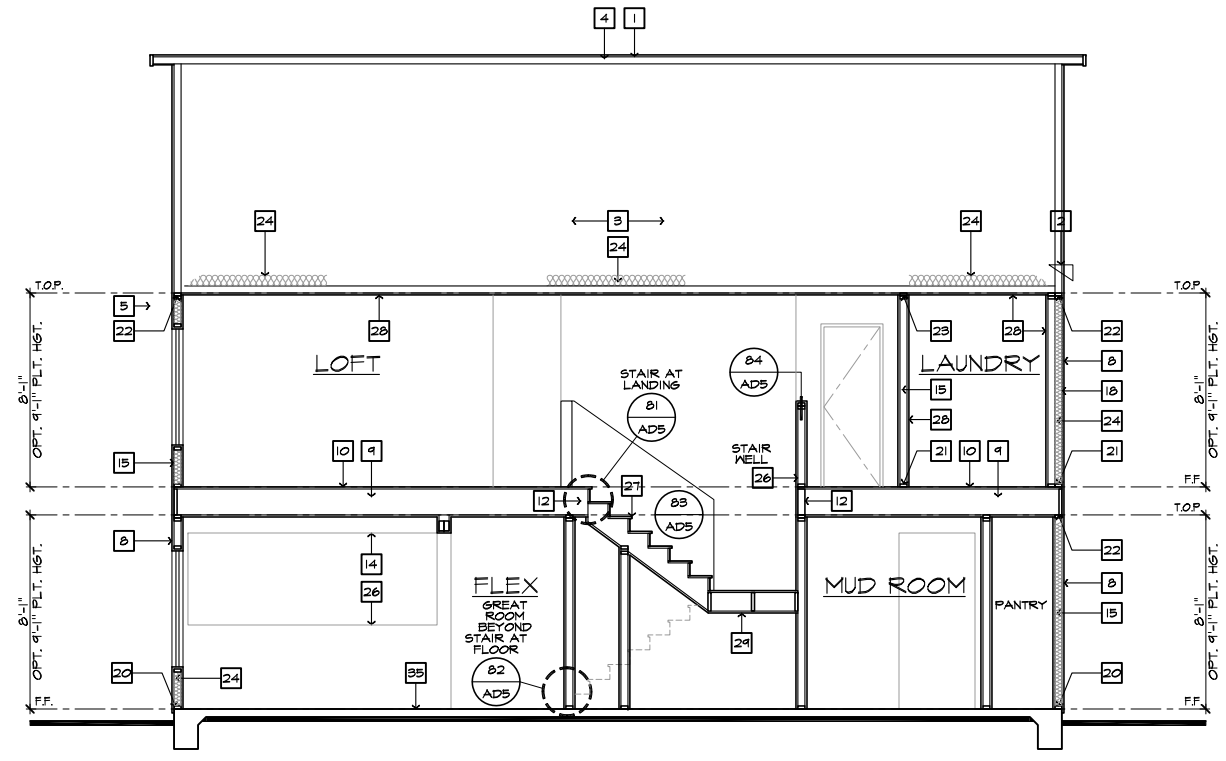
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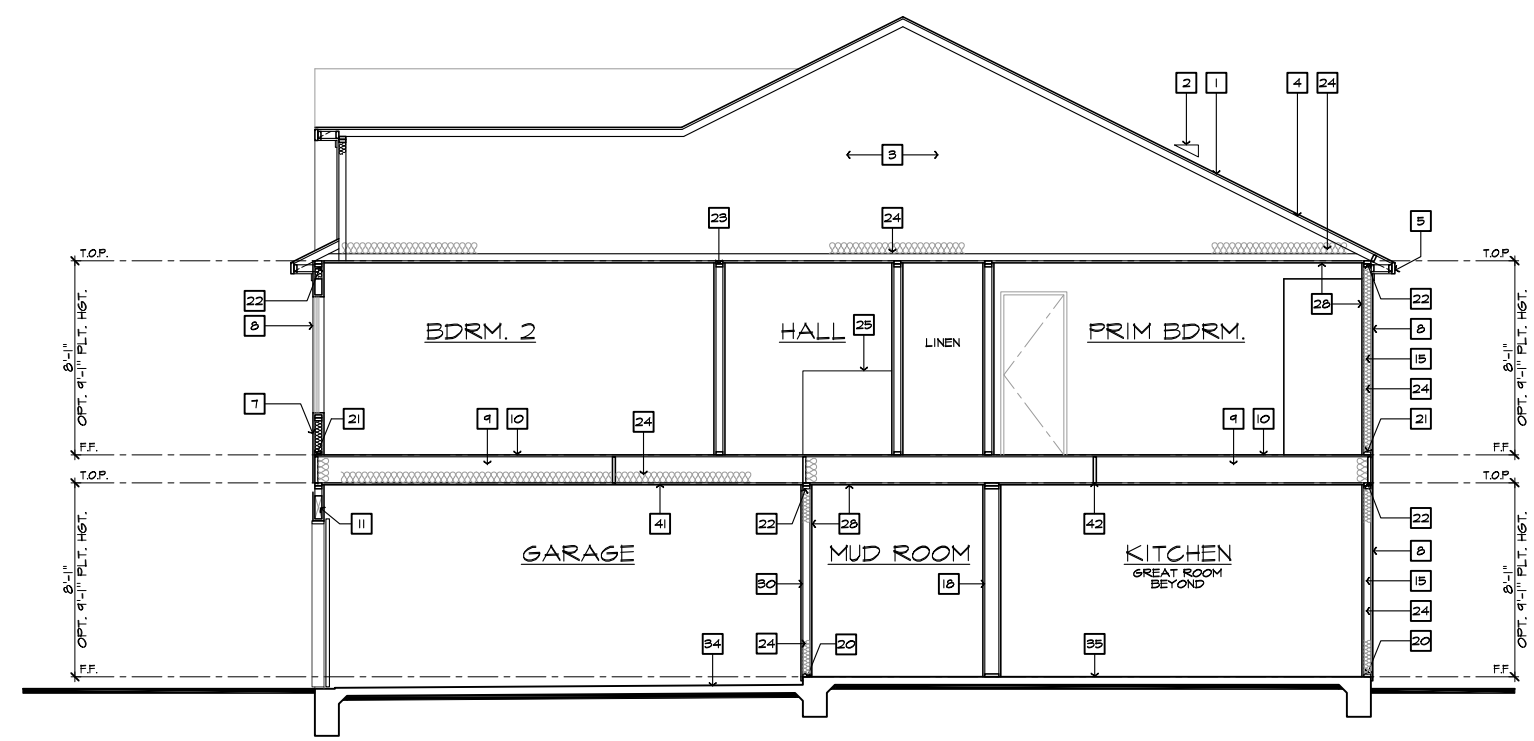
PLAN:  
**237.2723-R**  
SHEET:  
**4.1**

SPEC. LEVEL 1  
RALEIGH-DURHAM  
40' SERIES

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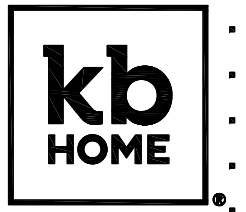


**SECTION "A"**  
 SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17") AT SLAB-ON-GRADE



**SECTION "B"**  
 SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17") 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. Ø 1/4" MAX. TO HARD SURFACE.
  12. A/C PAD. VERIFY LOCATION.
  13. 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.



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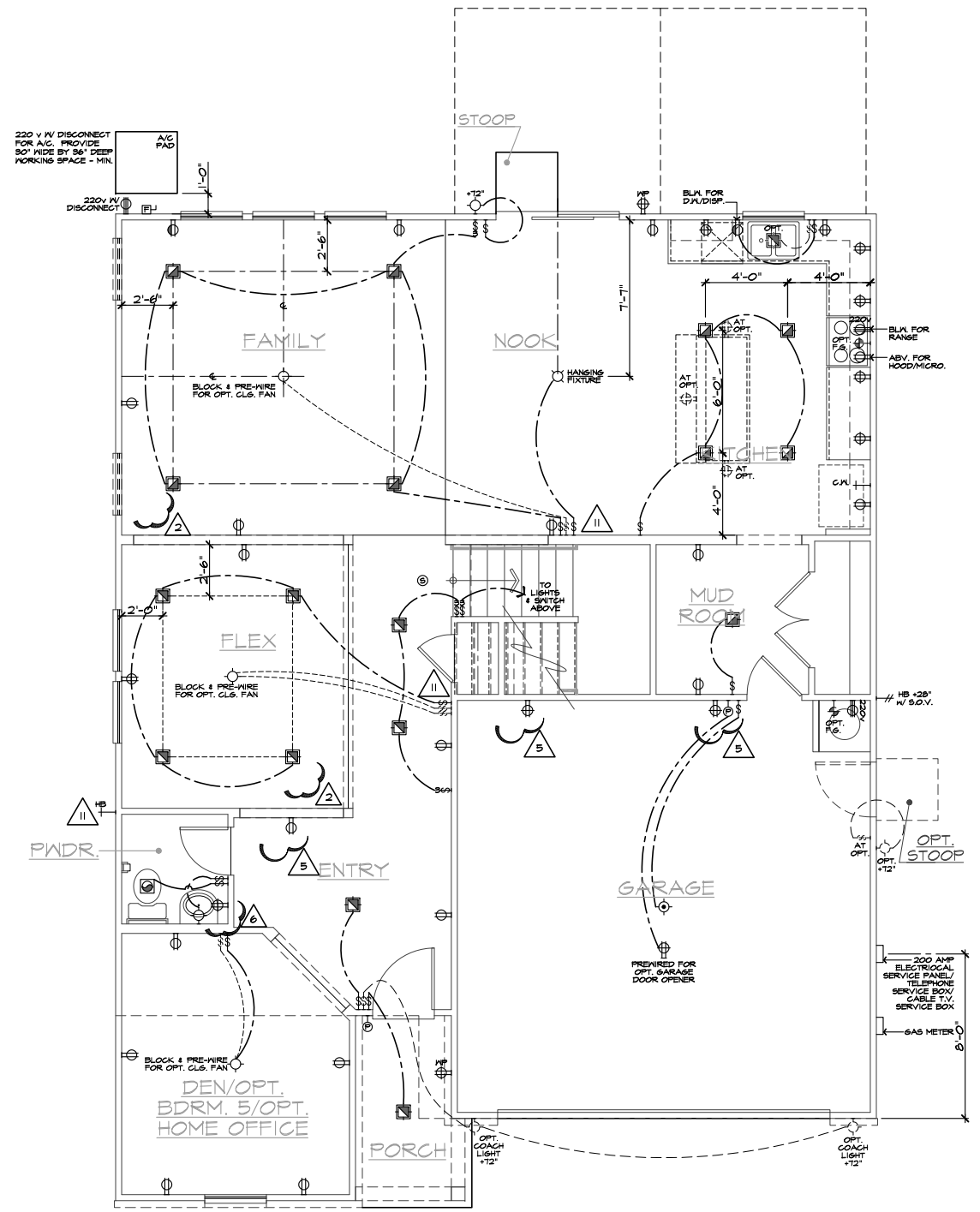
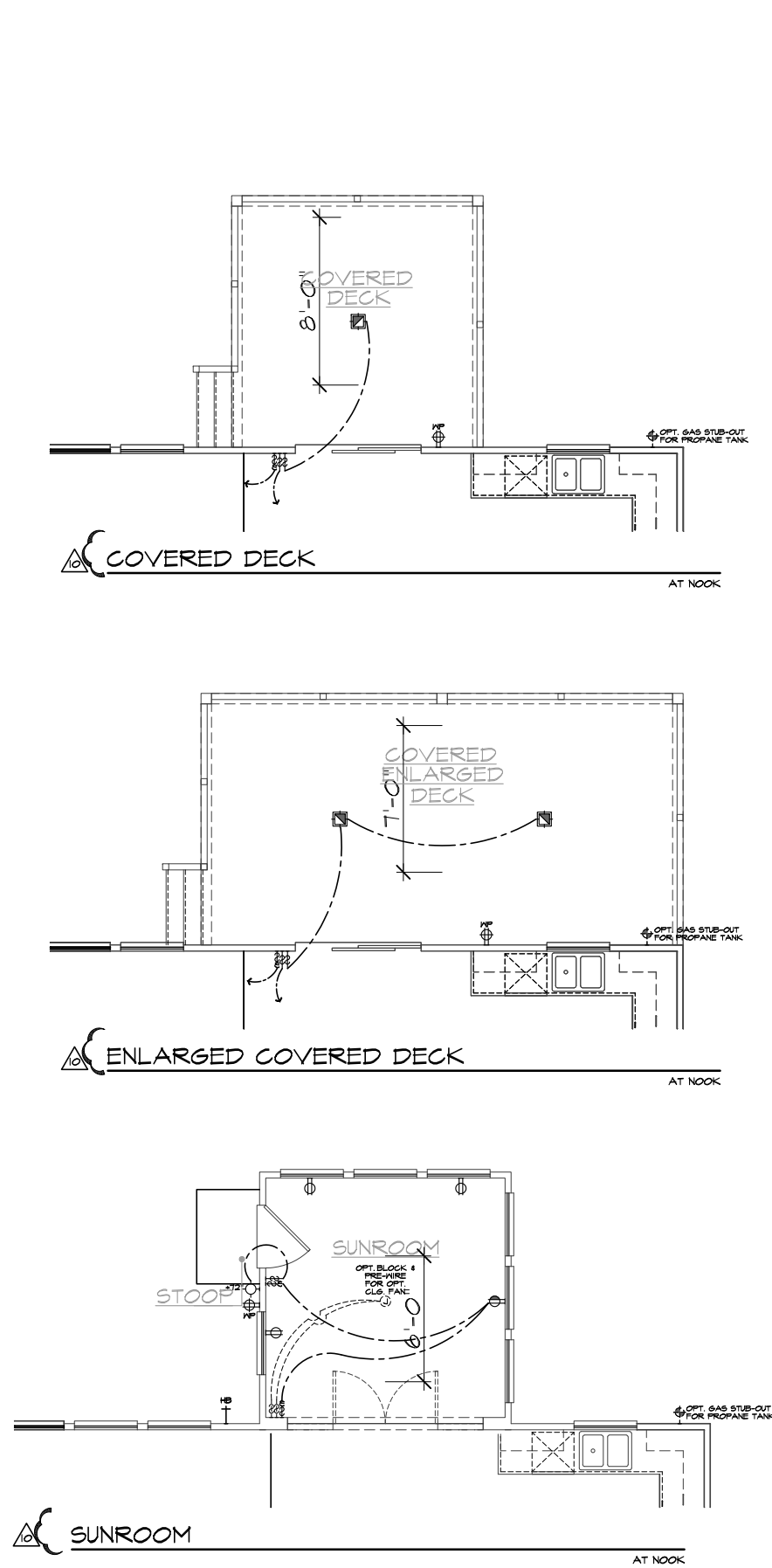
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 NC21057NCP- 10/25/21 - KBA
- 12 DIVISION REVISION  
 NC21056NCP- 10/25/21 - KBA

PLAN:  
**237.2723-R**  
 SHEET:  
**4.2**

SPEC. LEVEL 1  
 RALEIGH-DURHAM  
 40' SERIES

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### UTILITY LEGEND

2018-16-10-2017-16-10

- ⊕ 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
- ⊕ 60V 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.
- ⊕ 3 THREE-POLE LIGHT SWITCH
- ⊕ 4 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
- ⊕ LIGHTING - TRAVERSE II LED FIXTURE - PER SPECS
- ⊕ W.P. WALL MOUNTED 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

LIGHT / FAN

1/2 HOT

24" MIN. SEPARATION OF ELECTRICAL BOXES AS SHOWN BELOW

### NOTES

1. 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.
2. PROVIDE SWITCH, LIGHT, 120V (AFCI & TR) DUPLEX RECEPTACLE & FUEL GAS STUB OR 220V RECEPTACLE IN ATTIC FOR F.A.U. - PER COMMUNITY SPECIFICATIONS.
3. SMOKE DETECTORS IN ROOMS WITH VOLUME CEILING TO BE LOCATED AT HIGHEST POINT OF CEILING
4. 20 FOOT #4 REBAR FOR UPPER GROUND AND ADDITIONAL COLD WATER GROUND. REFER TO SLAB INTERFACE PLAN FOR LOCATION.
5. 200 AMP ELECTRICAL PANEL (DEFAULT). ELECTRICAL PLAN CHECK PERMIT REQUIRED IF LOAD EXCEED 400 AMPS.

**FIRST FLOOR UTILITY PLAN**  
SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17") BASIC PLAN



## NORTH CAROLINA 40' SERIES

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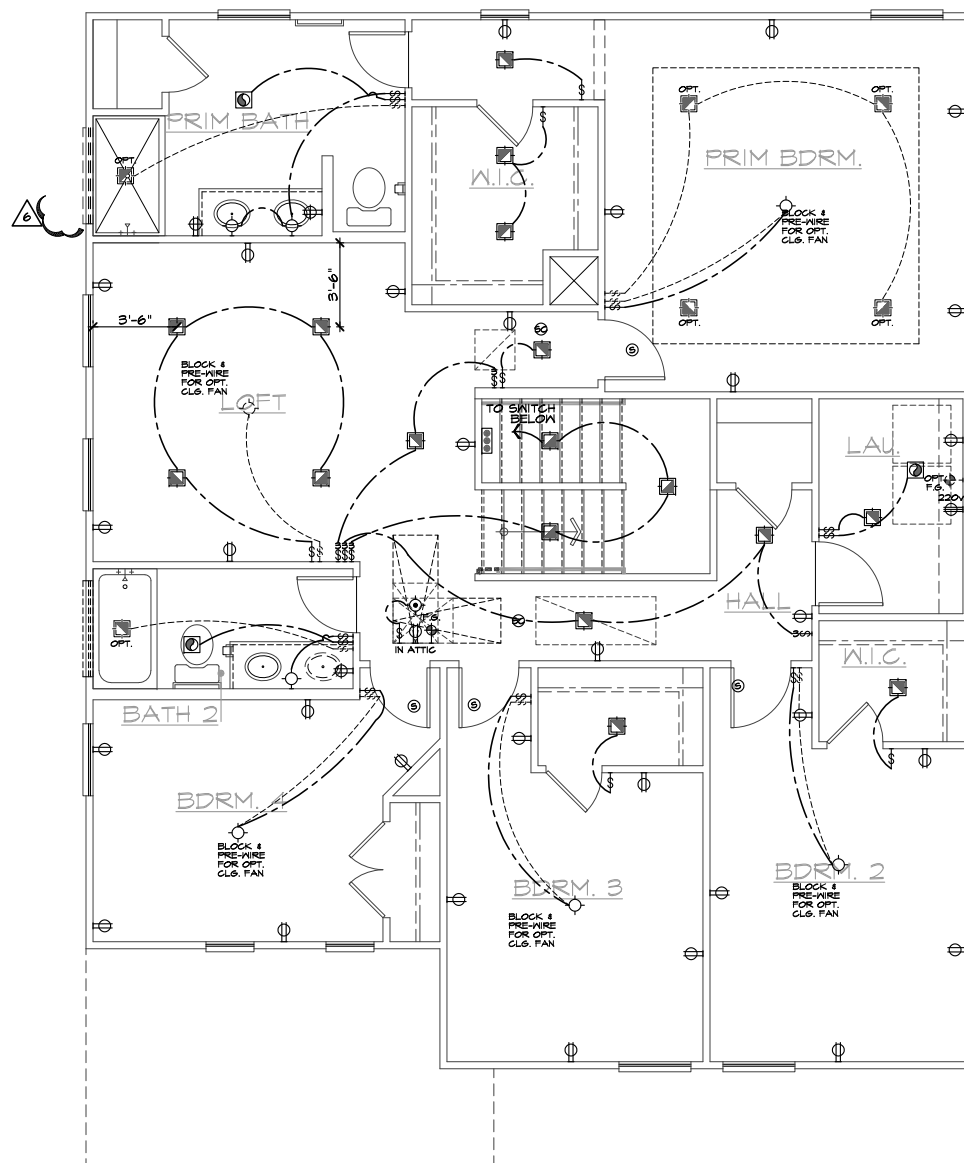
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NC19052NCP - 01/02/18 FAB
  - 7 DIVISION REVISIONS  
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PLAN:  
**237.2723-R**  
SHEET:  
**5.1**

SPEC. LEVEL 1  
**RALEIGH-DURHAM**  
**40' SERIES**

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### UTILITY LEGEND

2018 NC-PL-2017-REG

- ⊕ 120V DUPLEX CONVENIENCE RECEPTACLE AND FAULT(AFCI) AND TAMPER RESISTANT(TR) 12" ABV. FIN. FLR. TYPICAL U.N.O.
- ⊕ W/P 6FI 120V (TR) RECEPTACLE W/ 6FI CIRCUIT W/ WATER RESISTANT HOUSING
- ⊕ 6FI 120V (TR) RECEPTACLE W/ 6FI 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.
- ⊕ 3 THREE-POLE LIGHT SWITCH
- ⊕ 4 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 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
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- ⊕ SERVICE BOX
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- ⊕ 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

LIGHT / FAN 1/2 HOT

LIGHT 1/2 HOT

SECONDARY MASTER

24" MIN. SEPARATION OF ELECTRICAL BOXES AS SHOWN BELOW

DWELLING GARAGE

### NOTES

1. 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.
2. PROVIDE SWITCH, LIGHT, 120V (AFCI & TR) DUPLEX RECEPTACLE & FUEL GAS STUB OR 220V RECEPTACLE IN ATTIC FOR F.A.U. - PER COMMUNITY SPECIFICATIONS.
3. SMOKE DETECTORS IN ROOMS WITH VOLUME CEILING TO BE LOCATED AT HIGHEST POINT OF CEILING
4. 20 FOOT #4 REBAR FOR UPPER GROUND AND ADDITIONAL COLD WATER GROUND. REFER TO SLAB INTERFACE PLAN FOR LOCATION.
5. 200 AMP ELECTRICAL PANEL (DEFAULT). ELECTRICAL PLAN CHECK PERMIT REQUIRED IF LOAD EXCEED 400 AMPS.

**SECOND FLOOR UTILITY PLAN**  
 SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17") BASIC PLAN



## NORTH CAROLINA 40' SERIES

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ISSUE DATE: 02/23/17  
PROJECT No.: 1350999:56  
DIVISION MGR.: DS

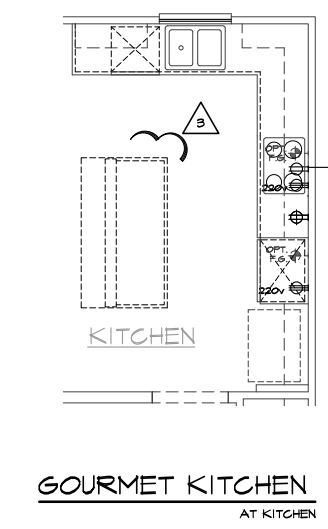
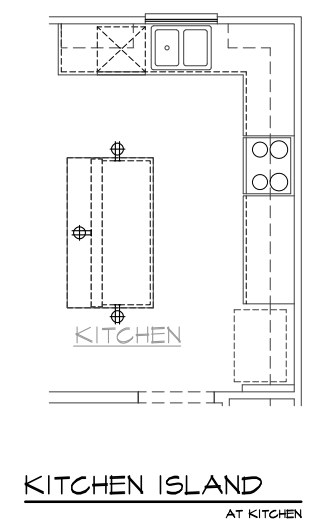
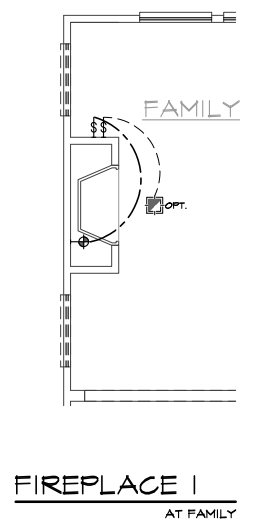
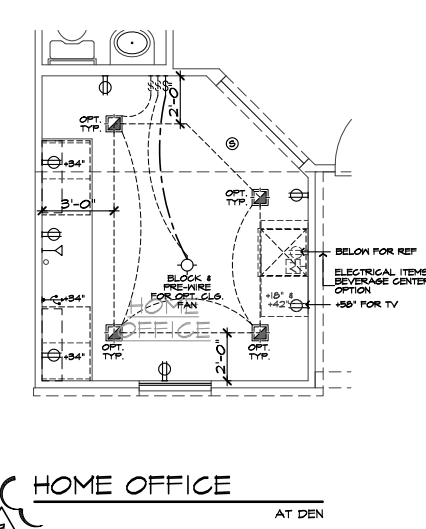
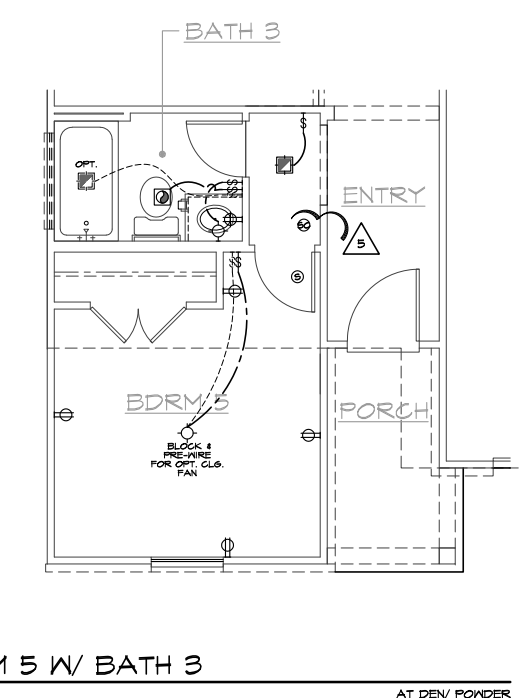
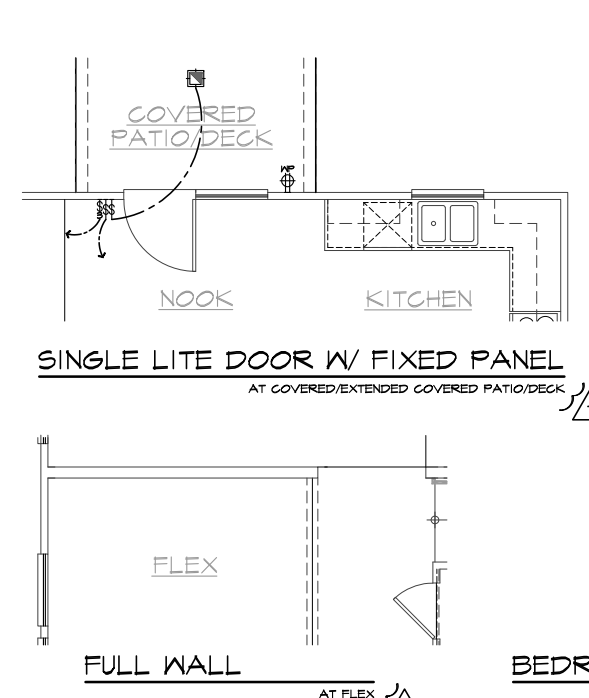
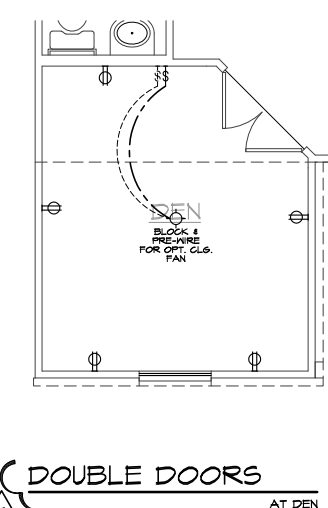
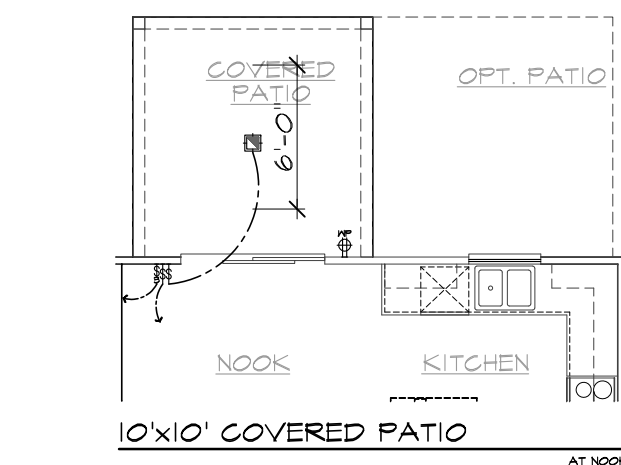
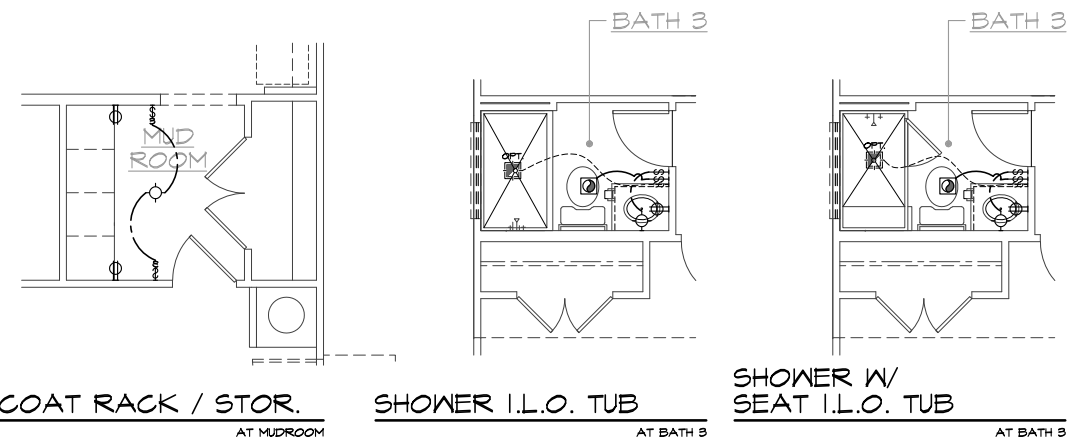
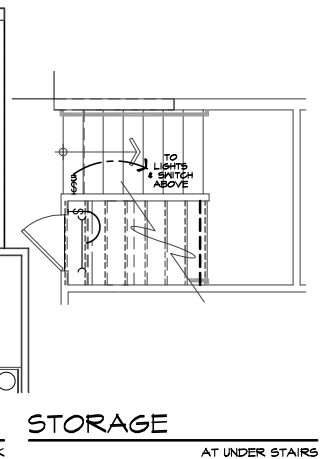
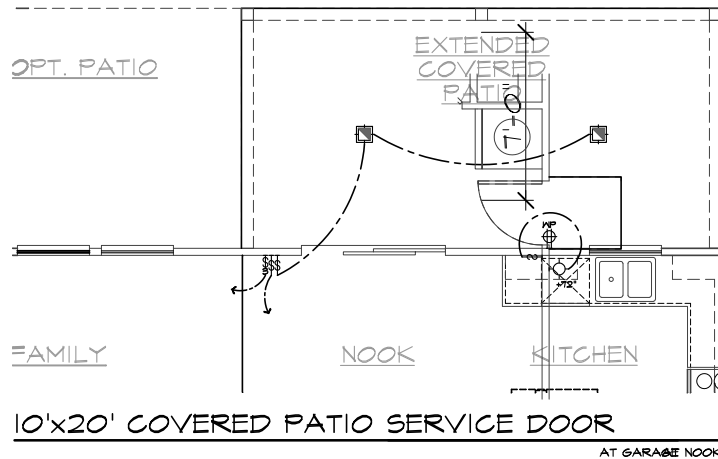
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  - 10 ADD DECKS & SUNROOM NC21019NCP-04/05/21-CTD
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  - 12 DIVISION REVISION NC21019NCP - 10/25/21 - KBA

PLAN:  
**237.2723-R**  
SHEET:  
**5.2**

SPEC. LEVEL 1  
**RALEIGH-DURHAM**  
**40' SERIES**

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### UTILITY LEGEND

2018-10-15-2017-10-15

- ⊕ 120V DUPLEX CONVENIENCE RECEPTACLE AFCI & TR (AFCI & TR) RECESSED FLOOR RECEPTACLE W/ COVER
- ⊕ 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
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- ⊕ 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
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- ⊕ HOSE BIB
- ⊕ HOSE BIB W/ S.O.V.
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- ⊕ 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/ CLS. FAN OPTIONS

24" MIN. SEPARATION OF ELECTRICAL BOXES AS SHOWN BELOW

LIGHT / FAN 1/2 HOT

200V

MIN. DWELLING

2-0 GFI

MIN. GARAGE

### NOTES

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## NORTH CAROLINA 40' SERIES

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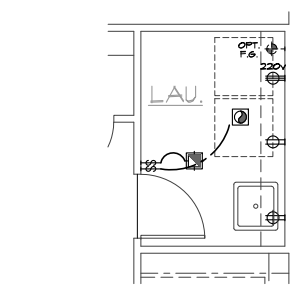
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  - 11 DIVISION REVISION NC21057NCP - 10/25/21 - KBA
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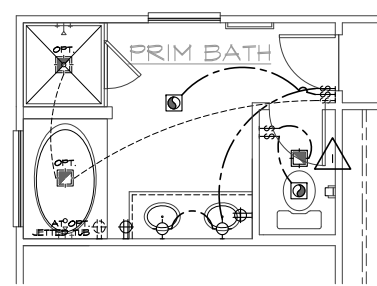
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SHEET: 5.3

SPEC. LEVEL 1  
RALEIGH-DURHAM 40' SERIES

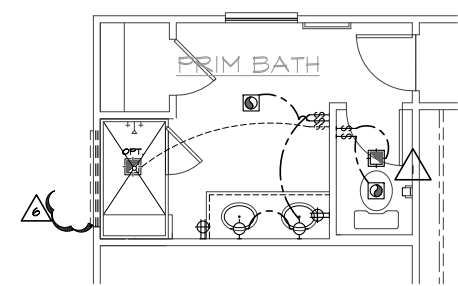
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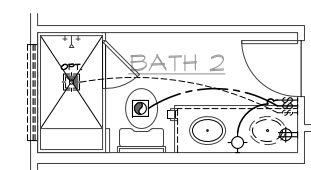
**LAUNDRY TUB**  
AT LAU.



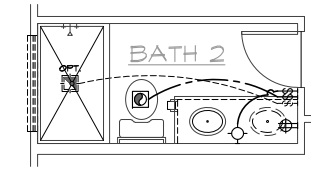
**SUPER PRIM BATH**  
AT PRIM BATH



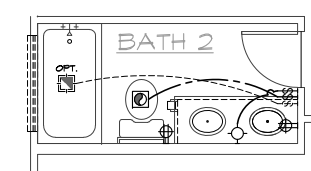
**DELUXE PRIM BATH**  
AT PRIM BATH



**SHOWER W/ SEAT I.L.O. TUB**  
AT BATH 2



**SHOWER I.L.O. TUB**  
AT BATH 2



**VANITY W/ DUAL SINKS**  
AT BATH 2

**UTILITY LEGEND** 2018 NC-PL 2017 NEC

- ⊖ 120V DUPLEX CONVENIENCE RECEPTACLE  
ARC FAULT(AFCI) AND TAMPER RESISTANT(TR)  
12" ABV. FIN. FLR. TYPICAL U.N.O.
- ⊖ W/ 6FI 120V (TR) RECEPTACLE W/ 6FI CIRCUIT  
W/ WATER RESISTANT HOUSING
- ⊖ 6FI 120V (TR) RECEPTACLE W/ 6FI 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.
- ⊖ 3 THREE-POLE LIGHT SWITCH
- ⊖ 4 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)
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- ⊖ LIGHTING - TRAVERSE II LED FIXTURE - PER  
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- ⊖ RECESSED EXHAUST FAN/ INCANDESCENT  
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- ⊖ 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
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- ⊖ WATER STUB FOR ICE MAKER
- ⊖ APPROVED CEILING MOUNTED  
SMOKE DETECTOR TO BE HARD WIRED  
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- ⊖ 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/ GLG. FAN  
OPTIONS

24" MIN. SEPARATION  
OF ELECTRICAL BOXES  
AS SHOWN BELOW

⊖ LIGHT / FAN  
1/2 HOT

⊖ LIGHT / FAN  
1/2 HOT

⊖ DWELLING  
2-0" 6FI  
MIN.  
GARAGE

**NOTES**

1. 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.
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5. 200 AMP ELECTRICAL PANEL (DEFAULT). ELECTRICAL PLAN CHECK PERMIT REQUIRED IF LOAD EXCEED 400 AMPS.

**SECOND FLOOR UTILITY PLAN OPTIONS**  
SCALE 1/4"=1'-0" (22"x34") - 1/8"=1'-0" (11"x17")

BASIC PLAN



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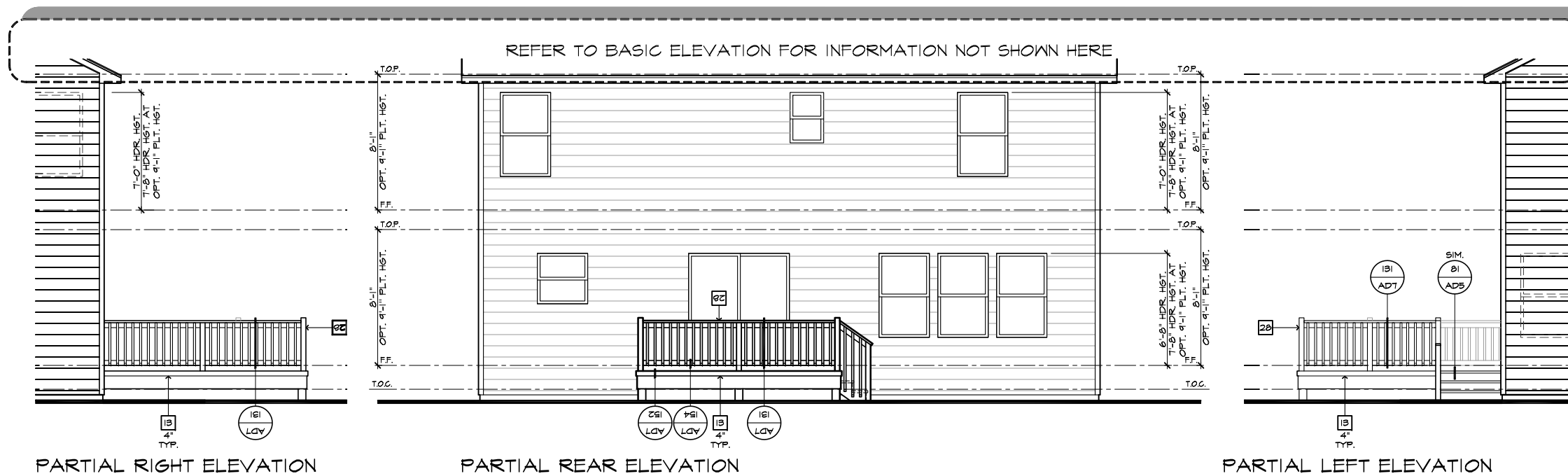
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  - 12 DIVISION REVISION  
NC21056NCP - 10/25/21 - KBA

PLAN:  
**237.2723-R**  
SHEET:  
**5.4**

**SPEC. LEVEL 1  
RALEIGH-DURHAM  
40' SERIES**

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- ### # 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 PER SPEC - SEE ELEVATION FOR SIZE
  14. EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
  15. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
  16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
  17. FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
  18. STONE VENEER PER SPECS
  19. BRICK/MASONRY VENEER PER SPECS
  20. BUILT UP BRICK COLUMN
  21. SOLDIER COURSE
  22. RAILLOCK COURSE
  23. FRIEZE BOARD
  24. FIBER-CEMENT SIDING PER SPECS
  25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
  26. PRE-FAB DECORATIVE TRIM
  27. LIGHT WEIGHT PRECAST STONE TRIM
  28. P.T. LUMBER RAILINGS (36" U.N.O.)
  29. FIBER-CEMENT SMOOTH BOARD SEE SPECS
  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

- ### # PARTIAL PLAN NOTES
- NOTE: NOT ALL KEY NOTES APPLY.
27. WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS)
  28. WATER HEATER 2" VENT TO OUTSIDE AIR
  29. MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
  34. LINE V. WALL BELOW
  41. LINE OF FLOOR ABOVE
  42. LINE OF FLOOR BELOW
  43. MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS)
  50. A/C PAD LOCATION
  51. LOW WALL - REFER TO PLAN FOR HEIGHT
  52. 2x6 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.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
  62. BRICK / STONE VENEER - REFER TO ELEVATIONS
  63. SECTIONAL GARAGE DOOR PER SPECS
  66. 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)
  68. P.T. POST W/ 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 SITE.

- ### # FOUNDATION 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 OPENINGS.
  3. FOUNDATION PER STRUCTURAL.
  4. STAIR LANDING, 36"x36" MIN.
  5. CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENINGS.
  6. PROVIDE UNDER FLOOR VENTILATION
  7. 4" TOE KICK 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 LOCATION OF PIER FOOTINGS PER STRUCTURAL
  11. 4" MIN. T 3/4" MAX. TO HARD SURFACE.
  12. A/C PAD. VERIFY LOCATION.
  13. CRAWL SPACE ACCESS
  14. 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

NOTE: THE CRAWL SPACE IS TO BE CONDITIONED PER NC-R SECTION R409. THE CRAWL SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION R409.2.

NOTE: REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE

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



## NORTH CAROLINA 40' SERIES

KB HOME  
NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD.  
SUITE 180  
DURHAM, NC 27703  
TEL: (919) 768-7980  
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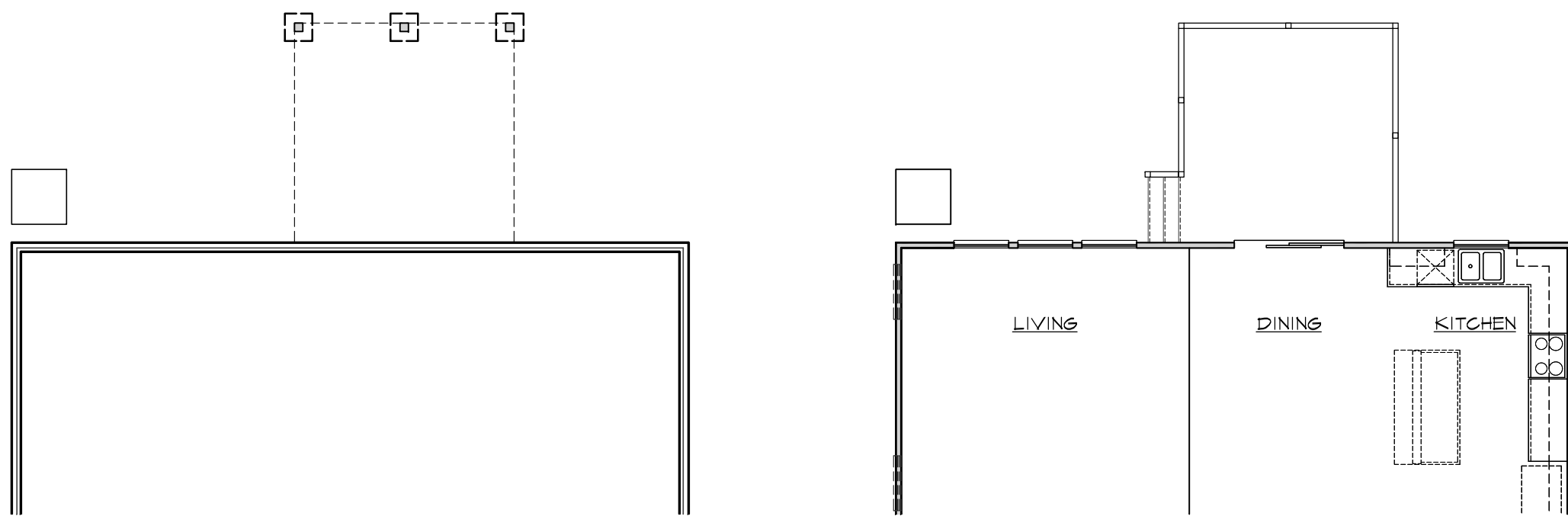
ISSUE DATE: 02/23/17  
PROJECT No.: 1350999-56  
DIVISION MGR.: DS

- REVISIONS:
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  - 11 DIVISION REVISION NC21057NCP - 10/23/21 - KBA
  - 12 DIVISION REVISION NC21056NCP - 10/23/21 - KBA

PLAN:  
**237.2723-R**

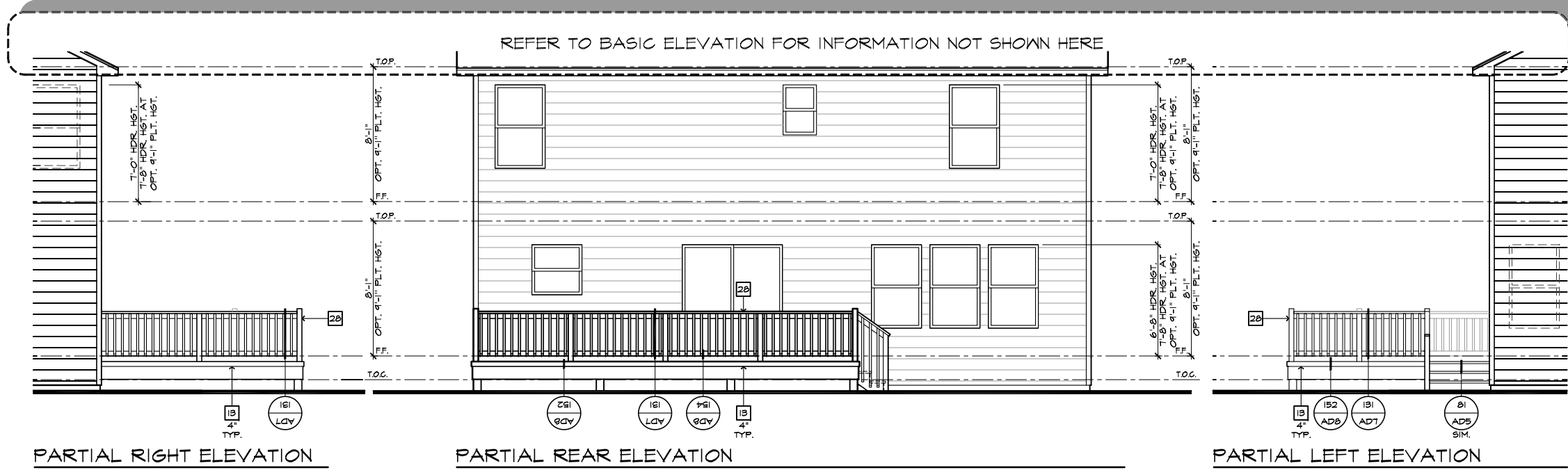
SHEET:  
**7.1**

SPEC. LEVEL 1  
RALEIGH-DURHAM  
40' SERIES



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

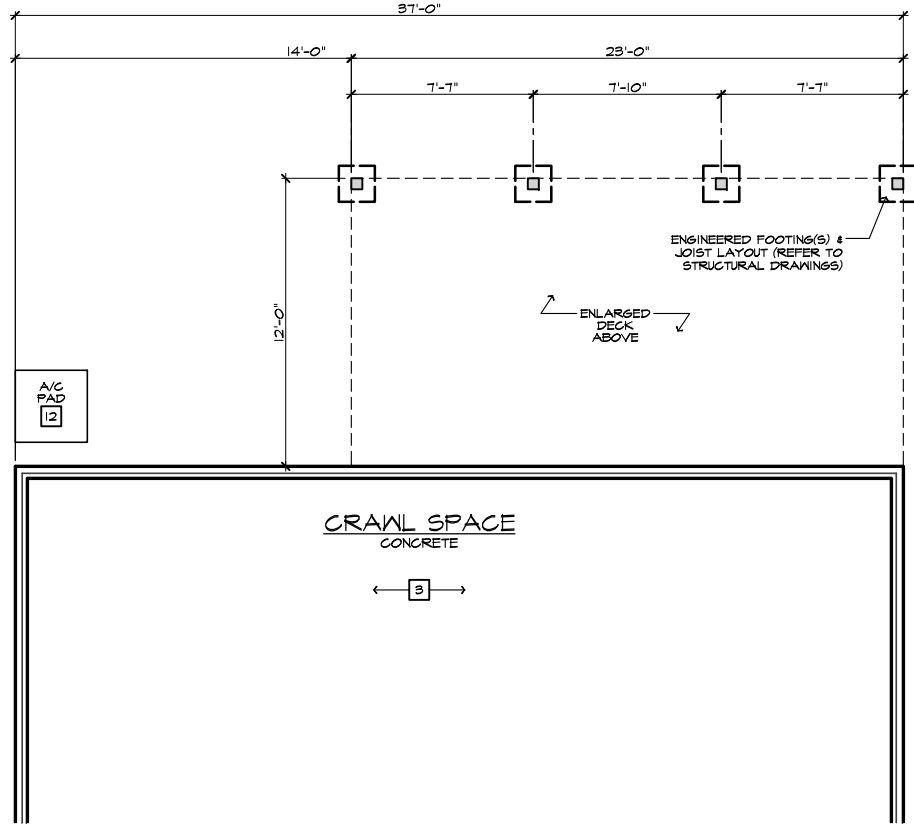
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PARTIAL RIGHT ELEVATION

PARTIAL REAR ELEVATION

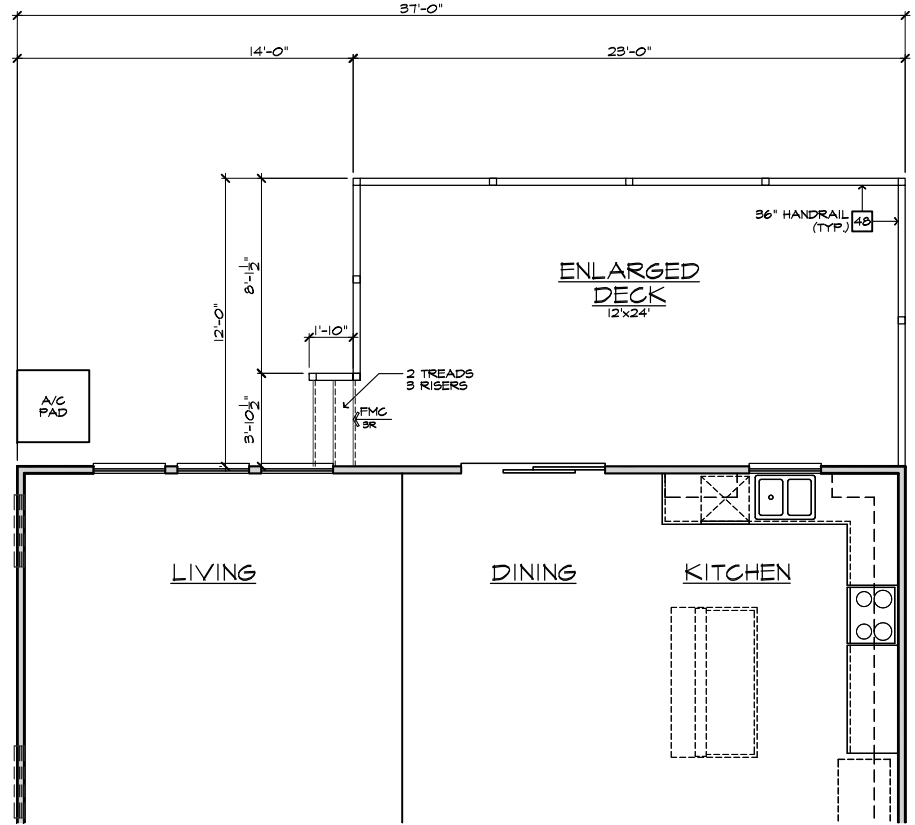
PARTIAL LEFT ELEVATION



PARTIAL CRAWL SPACE PLAN

EXTENDED ENLARGED DECK AT CRAWL SPACE

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



PARTIAL FIRST FLOOR PLAN

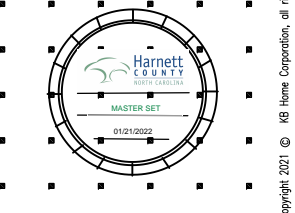
#	ELEVATION NOTES
NOTE: NOT ALL KEY NOTES APPLY.	
1.	ROOF MATERIAL - REFER TO ROOF NOTES
2.	2X FASCIA/BARGE BOARD WITH FASCIA CAP
3.	6.1. FLASHING
4.	6.1. FLASHING & SADDLE/CRICKET
5.	6.1. DRIP SCREED
6.	24"x24" CHIMNEY
7.	DECORATIVE VENT
8.	DECORATIVE CORBEL
9.	DECORATIVE SHUTTERS
10.	PEDIMENT. SEE ELEVATION FOR TYPE
11.	RECESSED ELEMENT
12.	DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
13.	TRIM PER SPEC - SEE ELEVATION FOR SIZE
14.	EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
15.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
16.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
17.	FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
18.	STONE VENEER PER SPECS
19.	BRICK/MASONRY VENEER PER SPECS
20.	BUILT UP BRICK COLUMN
21.	SOLDIER COURSE
22.	ROCKLOCK COURSE
23.	FRIEZE BOARD
24.	FIBER-CEMENT SIDING PER SPECS
25.	P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
26.	PRE-FAB DECORATIVE TRIM
27.	LIGHT WEIGHT PRECAST STONE TRIM
28.	P.T. LUMBER RAILINGS (#36" UNO.)
29.	FIBER-CEMENT SMOOTH BOARD SEE SPECS
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

#	PARTIAL PLAN NOTES
NOTE: NOT ALL KEY NOTES APPLY.	
27.	WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & 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 WALL BELOW
41.	LINE OF FLOOR ABOVE
42.	LINE OF FLOOR BELOW
43.	MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS)
50.	A/C PAD LOCATION
51.	LOW WALL - REFER TO PLAN FOR HEIGHT
52.	2x6 STUD WALL
54.	DEL. 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.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
62.	BRICK / STONE VENEER - REFER TO ELEVATIONS
63.	SECTIONAL GARAGE DOOR PER SPECS
66.	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)
68.	P.T. POST W/ WRAP TO EGRESS WINDOW
75.	WINDOW LEDGE - HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOW(S) ON ALL SIDES UNO.
76.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
77.	CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SIZE.

#	FOUNDATION 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 OPENINGS.
3.	FOUNDATION PER STRUCTURAL.
4.	STAIR LANDING, 36"x36" MIN.
5.	CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENINGS.
6.	PROVIDE UNDER FLOOR VENTILATION
7.	4" TOE KICK 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 LOCATION OF PIER FOOTINGS PER STRUCTURAL
11.	4" MIN. 7 3/4" MAX. TO HARD SURFACE.
12.	A/C PAD. VERIFY LOCATION.
13.	CRAWL SPACE ACCESS
14.	36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

NOTE:	NO. 209-104
THE CRAWL SPACE IS TO BE CONDITIONED PER NC-R SECTION R409.	
THE CRAWL SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION R409.2.	

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



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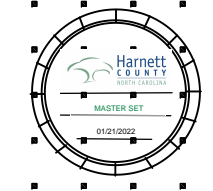
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12 DIVISION REVISION NC21056NCP - 10/23/21 - KBA

PLAN:  
**237.2723-R**  
SHEET:  
**7.2**

SPEC. LEVEL 1  
**RALEIGH-DURHAM 40' SERIES**

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  - 12 DIVISION REVISION  
NC21056NCP - 10/23/21 - KBA

PLAN:  
**237.2723-R**  
SHEET:  
**7.3**

SPEC. LEVEL 1  
RALEIGH-DURHAM  
40' SERIES

- # ELEVATION NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
- ROOF MATERIAL - REFER TO ROOF NOTES
  - 2X FASCIA/BARGE BOARD WITH FASCIA CAP
  - 6.1. FLASHING
  - 6.1. FLASHING & SADDLE/CRICKET
  - 6.1. DRIP SCREED
  - 24"x24" CHIMNEY
  - DECORATIVE VENT
  - DECORATIVE CORBEL
  - DECORATIVE SHUTTERS
  - PEDIMENT. SEE ELEVATION FOR TYPE
  - RECESSED ELEMENT
  - DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
  - TRIM PER SPEC- SEE ELEVATION FOR SIZE
  - EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
  - PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
  - SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
  - FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
  - STONE VENEER PER SPECS
  - BRICK/MASONRY VENEER PER SPECS
  - BUILT UP BRICK COLUMN
  - SOLDIER COURSE
  - ROCKLOCK COURSE
  - FRIEZE BOARD
  - FIBER-CEMENT SIDING PER SPECS
  - P.T. POST IV WRAP - SEE STRUCTURAL FOR SIZE
  - PRE-FAB DECORATIVE TRIM
  - LIGHT WEIGHT PRECAST STONE TRIM
  - P.T. LUMBER RAILINGS (36" U.N.O.)
  - FIBER-CEMENT SMOOTH BOARD SEE SPECS
  - 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
  - PILASTER - SEE ELEVATION FOR TYPE

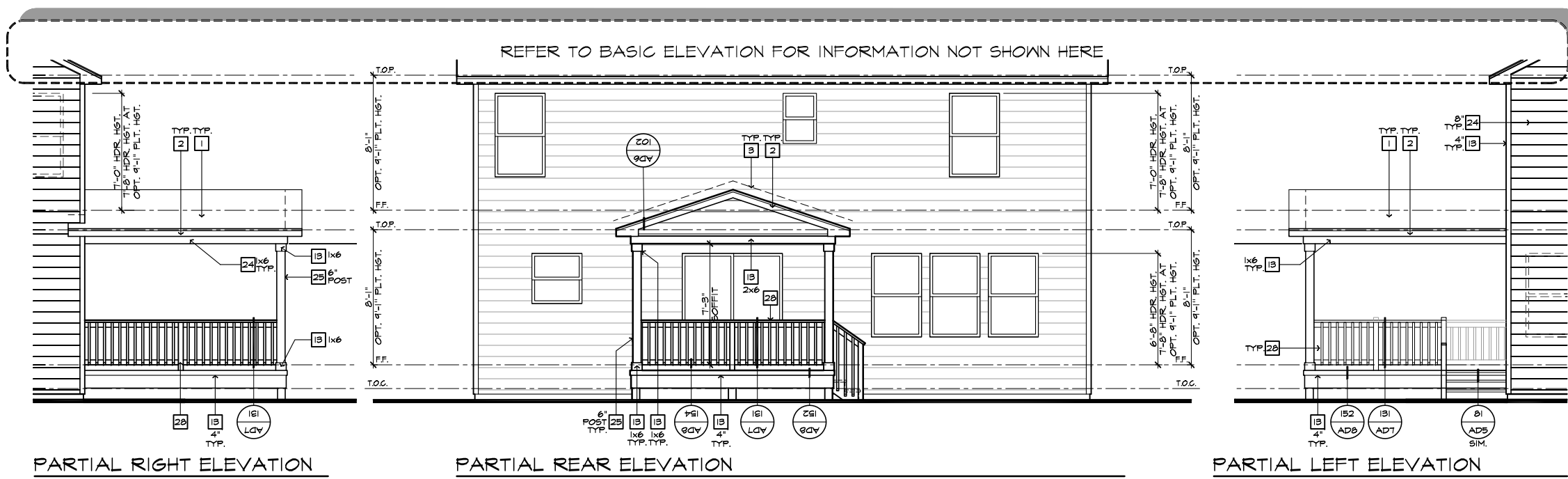
- # PARTIAL PLAN NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
- WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS)
  - WATER HEATER 3" VENT TO OUTSIDE AIR
  - MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
  - LINE V. WALL BELOW
  - LINE OF FLOOR ABOVE
  - LINE OF FLOOR BELOW
  - LINE 36" HIGH SHORTRAIL (REFER TO DETAIL SHEETS)
  - A/C PAD LOCATION
  - LOW WALL - REFER TO PLAN FOR HEIGHT
  - 2x6 STUD WALL
  - DEL. 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.
  - 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 IV 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.

- # FOUNDATION PLAN NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
- CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.
  - CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER 1'-0" MIN. TOWARD DOOR OPENINGS.
  - FOUNDATION PER STRUCTURAL.
  - STAIR LANDINGS, 36"x36" MIN.
  - CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENINGS.
  - PROVIDE UNDER FLOOR VENTILATION
  - 4" TOE KICK FOR MASONRY VENEER.
  - 3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.
  - REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.
  - VERIFY LOCATION OF PIER FOOTINGS PER STRUCTURAL
  - 4" MIN. T 3/4" MAX. TO HARD SURFACE.
  - A/C PAD. VERIFY LOCATION.
  - CRAWL SPACE ACCESS
  - 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

NOTE:  
THE CRAWL SPACE IS TO BE CONDITIONED PER NC-R SECTION R409.  
THE CRAWL SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION R409.2.

NOTE:  
REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE

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



**ROOF PLAN NOTES**

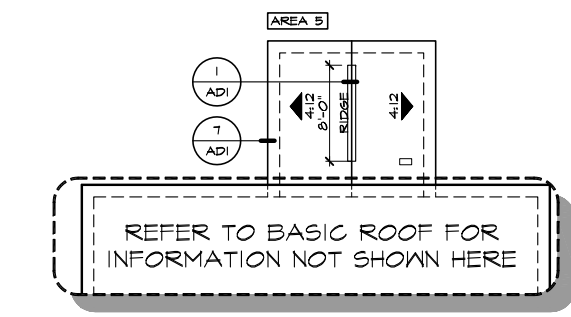
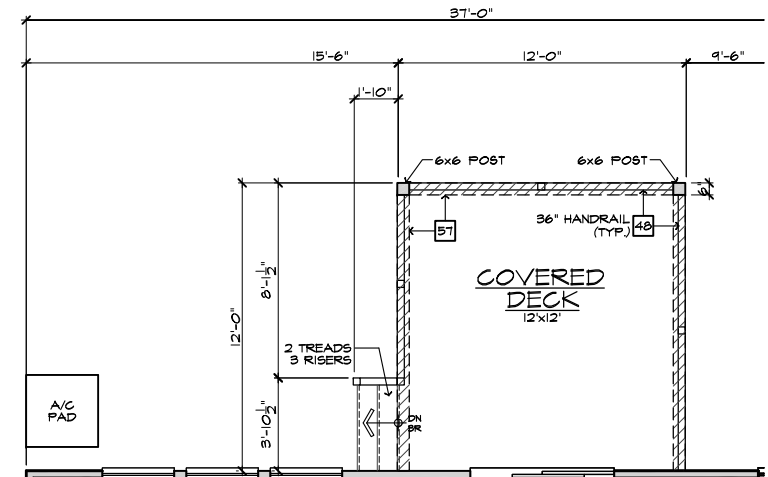
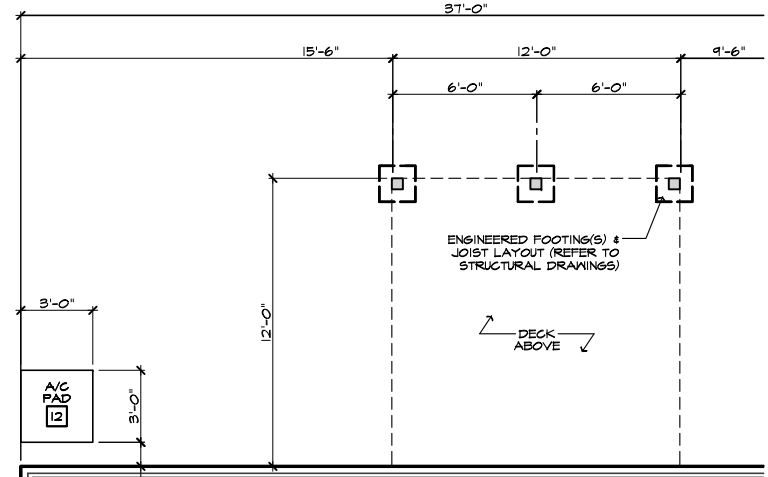
INDICATES ROOF SLOPE AND DIRECTION, U.N.O.  
4:12

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 VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LOW VENTING)  
\* CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED.

AREA 5 / MAIN IV PATIO-DECK-SUNROOM:	SQ. FT. / 150	0.66 SQ. FT.
VENTILATION REQUIRED:		
ATTIC AREA = 144	144 / 150 = 0.96 SQ. FT.	0.96 SQ. FT.
	X 144 = 138 SQ. IN.	138 SQ. IN.
	TOTAL HIGH & LOW =	138 SQ. IN.
VENTILATION PROVIDED:		
0 LF VENTILATED SOFFIT AT	6.4 SQ. IN. / LF. =	0 SQ. IN.
8 LF RIDGE VENT(S) AT	18 SQ. IN. EA. =	144 SQ. IN.
TOTAL VENTILATION PROVIDED:		144 SQ. IN.



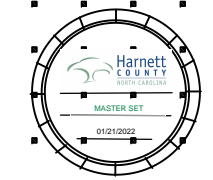
PARTIAL ROOF PLAN

PARTIAL CRAWL SPACE PLAN

PARTIAL FIRST FLOOR PLAN

COVERED DECK AT CRAWL SPACE  
SCALE 1/4"=1'-0" (22"x34") - 1/8"=1'-0" (11"x17")

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- 12 DIVISION REVISION NC21056NCP- 10/23/21 - KBA

PLAN: 237.2723-R SHEET: 7.4

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

- ### ELEVATION NOTES
- NOTE: NOT ALL KEY NOTES APPLY.
- ROOF MATERIAL - REFER TO ROOF NOTES
  - 2X FASCIA/BARGE BOARD WITH FASCIA CAP
  - 6.1. FLASHING
  - 6.1. FLASHING & SADDLE/CRICKET
  - 6.1. DRIP SCREED
  - 24"x24" CHIMNEY
  - DECORATIVE VENT
  - DECORATIVE CORBEL
  - DECORATIVE SHUTTERS
  - PEDIMENT. SEE ELEVATION FOR TYPE
  - RECESSED ELEMENT
  - DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
  - TRIM PER SPEC- SEE ELEVATION FOR SIZE
  - EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
  - PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
  - SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
  - FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
  - STONE VENEER PER SPECS
  - BRICK/MASONRY VENEER PER SPECS
  - BUILT UP BRICK COLUMN
  - SOLDIER COURSE
  - ROWLOCK COURSE
  - FRIEZE BOARD
  - FIBER-CEMENT SIDING PER SPECS
  - P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
  - PRE-FAB DECORATIVE TRIM
  - LIGHT WEIGHT PRECAST STONE TRIM
  - P.T. LUMBER RAILINGS (36" U.N.O.)
  - FIBER-CEMENT SMOOTH BOARD SEE SPECS
  - 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
  - PILASTER - SEE ELEVATION FOR TYPE

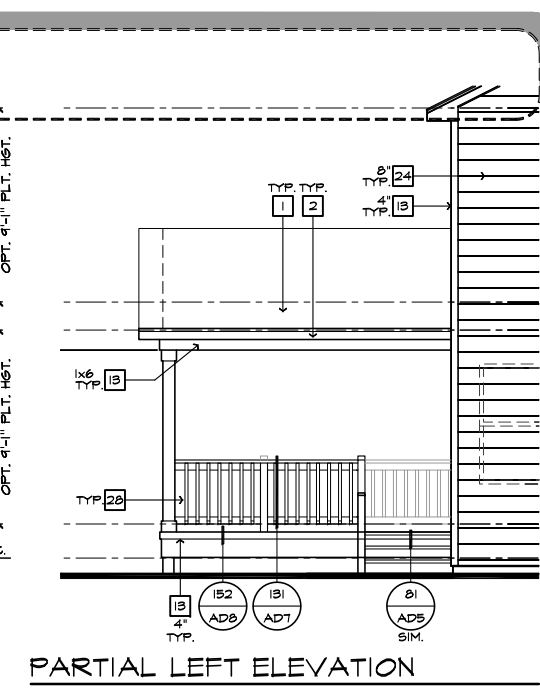
- ### PARTIAL PLAN NOTES
- NOTE: NOT ALL KEY NOTES APPLY.
- WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS)
  - WATER HEATER 3" VENT TO OUTSIDE AIR
  - MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
  - LINE OF WALL BELOW
  - LINE OF FLOOR ABOVE
  - LINE OF FLOOR BELOW
  - 36" HIGH SHARPCORAIL (REFER TO DETAIL SHEETS)
  - A/C PAD LOCATION
  - LOW WALL - REFER TO PLAN FOR HEIGHT
  - 2x6 STUD WALL
  - DEL. 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/ 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.

- ### FOUNDATION PLAN NOTES
- NOTE: NOT ALL KEY NOTES APPLY.
- CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.
  - CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER 1'-0" MIN. TOWARD DOOR OPENINGS.
  - FOUNDATION PER STRUCTURAL.
  - STAIR LANDINGS, 36"x36" MIN.
  - CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENINGS.
  - PROVIDE UNDER FLOOR VENTILATION
  - 4" TOE KICK FOR MASONRY VENEER.
  - 3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.
  - REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.
  - VERIFY LOCATION OF PIER FOOTINGS PER STRUCTURAL
  - 4" MIN. 7 3/4" MAX. TO HARD SURFACE.
  - A/C PAD. VERIFY LOCATION.
  - CRAWL SPACE ACCESS
  - 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

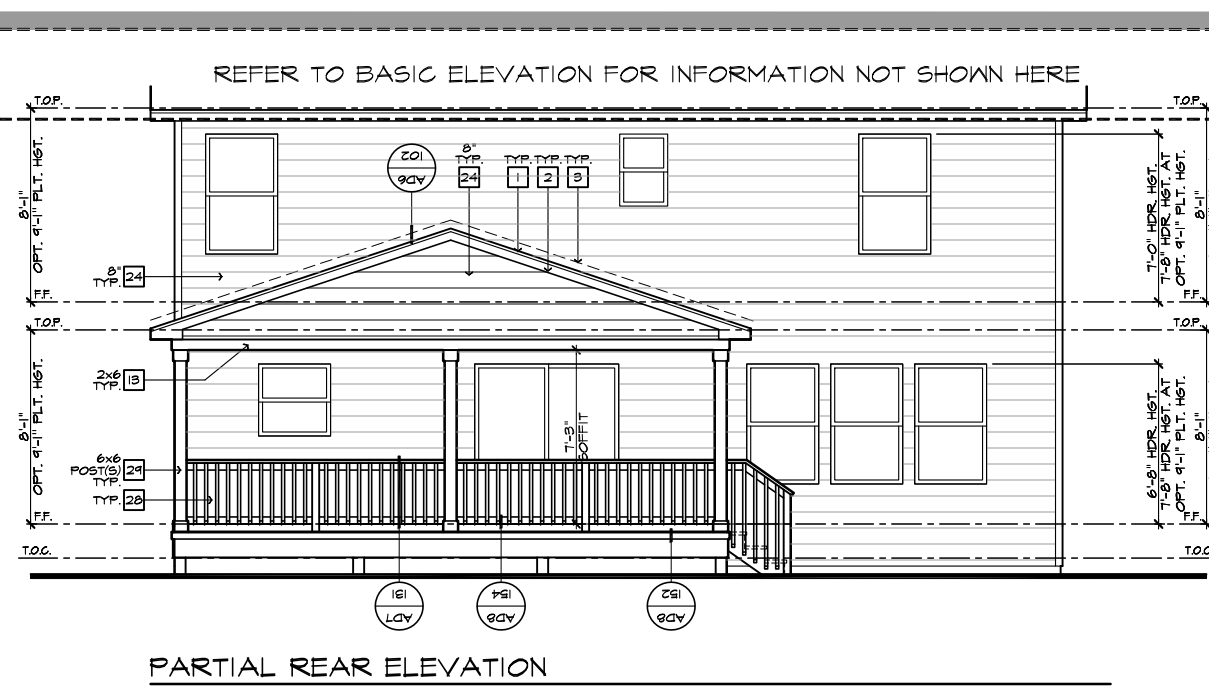
NOTE: THE CRAWL SPACE IS TO BE CONDITIONED PER NC-R SECTION R409. THE CRAWL SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION R409.2.

NOTE: REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE

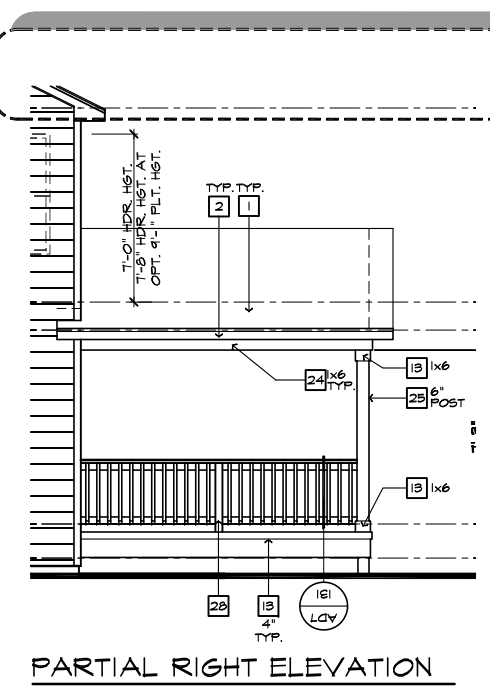
NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE



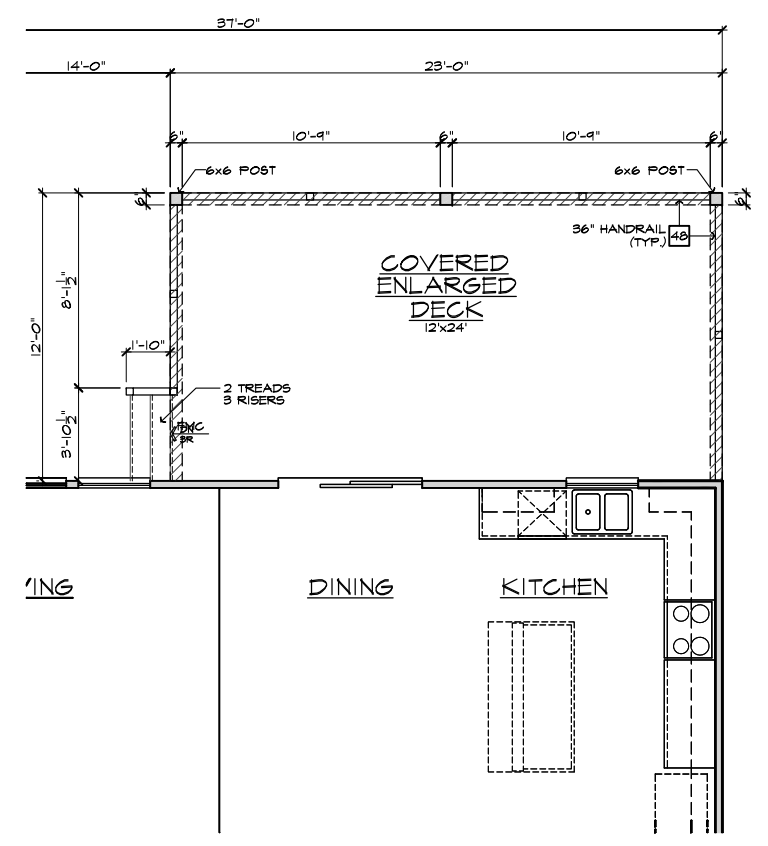
PARTIAL LEFT ELEVATION



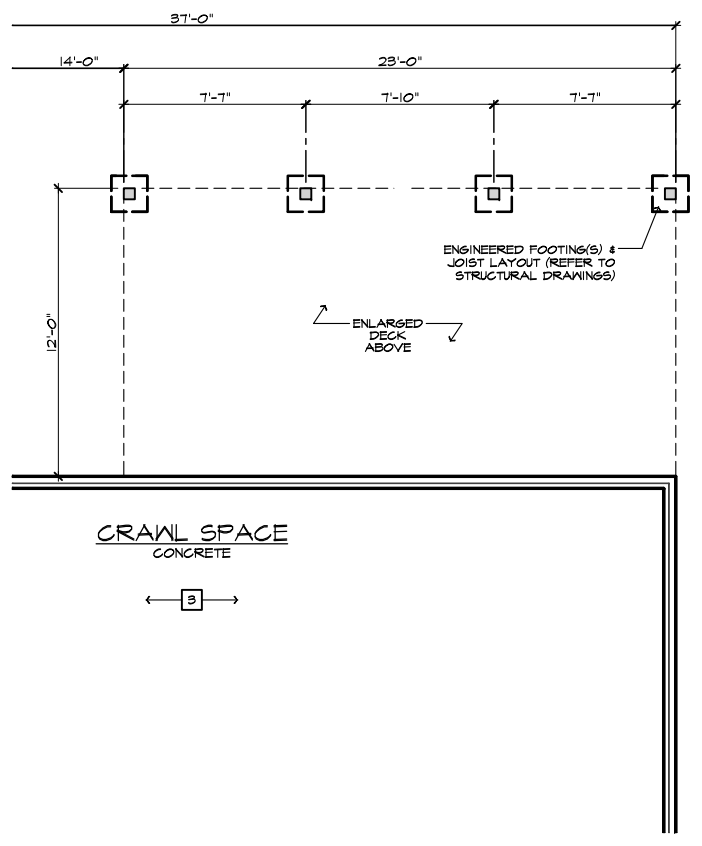
PARTIAL REAR ELEVATION



PARTIAL RIGHT ELEVATION



PARTIAL FIRST FLOOR PLAN



PARTIAL CRAWL SPACE PLAN

### ROOF PLAN NOTES

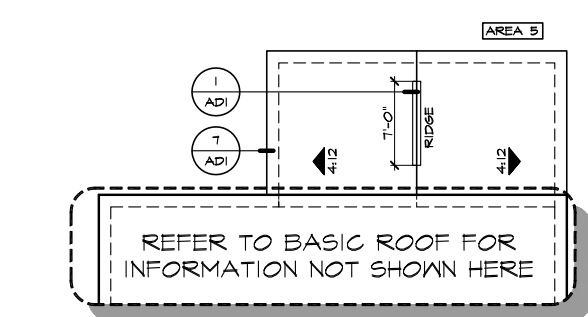
INDICATES ROOF SLOPE AND DIRECTION, U.N.O.  
4:12

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 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 VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LOW VENTING)  
\* CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED.

AREA 5 / MAIN IV PATIO-DECK-SUNROOM:			
VENTILATION REQUIRED:			
ATTIC AREA = 276	SQ. FT. / 150	1.84 SQ. FT.	
	X 144 =	265 SQ. IN.	
	TOTAL HIGH & LOW =	265 SQ. IN.	
VENTILATION PROVIDED:			
95	LF VENTILATED SOFFIT AT	6.4	SQ. IN. / LF. = 242 SQ. IN.
2	LF RIDGE VENT(S) AT	18	SQ. IN. EA. = 36 SQ. IN.
TOTAL VENTILATION PROVIDED: 278 SQ. IN.			

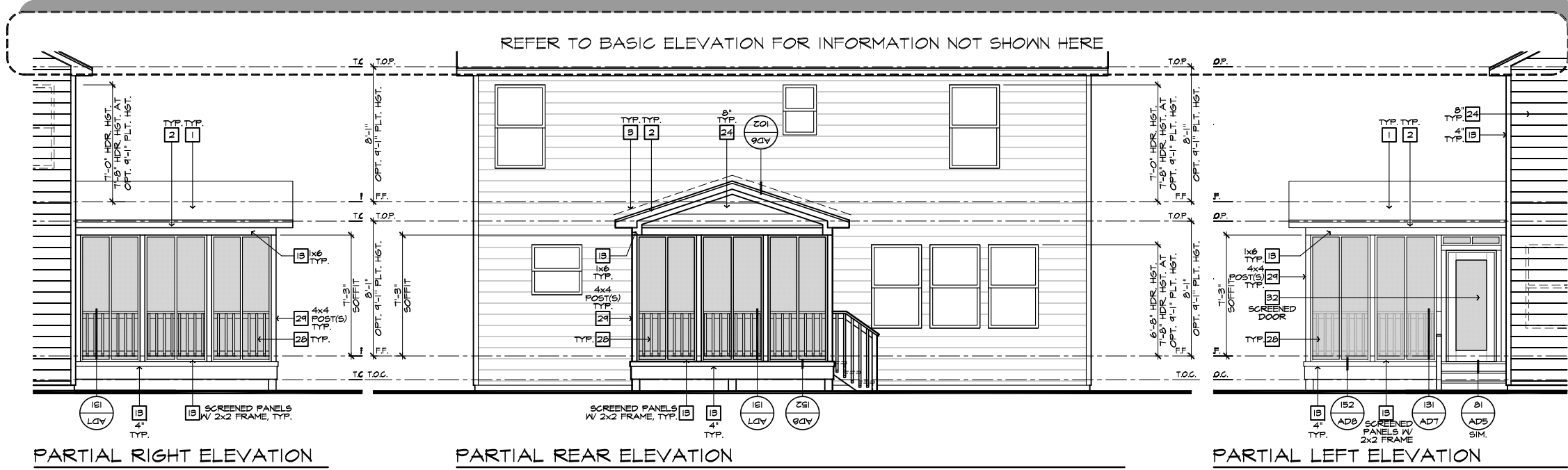


PARTIAL ROOF PLAN

## COVERED ENLARGED DECK AT CRAWL SPACE

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

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- ### ELEVATION NOTES
- NOTE: NOT ALL KEY NOTES APPLY.
- ROOF MATERIAL - REFER TO ROOF NOTES
  - 2X FASCIA/BARGE BOARD WITH FASCIA CAP
  - 6.1. FLASHING
  - 6.1. FLASHING & SADDLE/CRICKET
  - 6.1. DRIP SCREED
  - 24"x24" CHIMNEY
  - DECORATIVE VENT
  - DECORATIVE CORBEL
  - DECORATIVE SHUTTERS
  - PEDIMENT. SEE ELEVATION FOR TYPE
  - RECESSED ELEMENT
  - DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
  - TRIM PER SPEC - SEE ELEVATION FOR SIZE
  - EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
  - PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
  - SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
  - FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
  - STONE VENEER PER SPECS
  - BRICK/MASONRY VENEER PER SPECS
  - BUILT UP BRICK COLUMN
  - SOLDIER COURSE
  - ROCKLOCK COURSE
  - FRIEZE BOARD
  - FIBER-CEMENT SIDING PER SPECS
  - P.T. POST IV WRAP - SEE STRUCTURAL FOR SIZE
  - PRE-FAB DECORATIVE TRIM
  - LIGHT WEIGHT PRECAST STONE TRIM
  - P.T. LUMBER RAILINGS (36" U.N.O.)
  - FIBER-CEMENT SMOOTH BOARD SEE SPECS
  - DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE
  - BRACKET OR KICKER - FYPON OR EQ.
  - ENTRY DOOR
  - CONCRETE STOOFF/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
  - PILASTER - 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 VENT TO OUTSIDE AIR
  - MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
  - LIVE WALL BELOW
  - LINE OF FLOOR ABOVE
  - LINE OF FLOOR BELOW
  - LINE 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS)
  - A/C PAD LOCATION
  - LOW WALL - REFER TO PLAN FOR HEIGHT
  - 2x6 STUD WALL
  - DEL. 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 IV 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

### ROOF PLAN NOTES

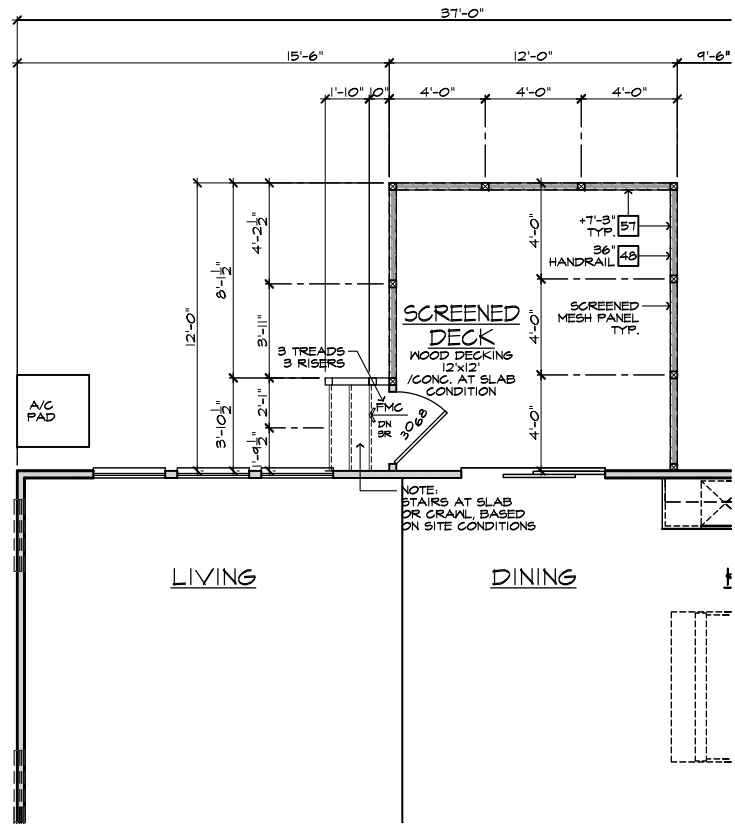
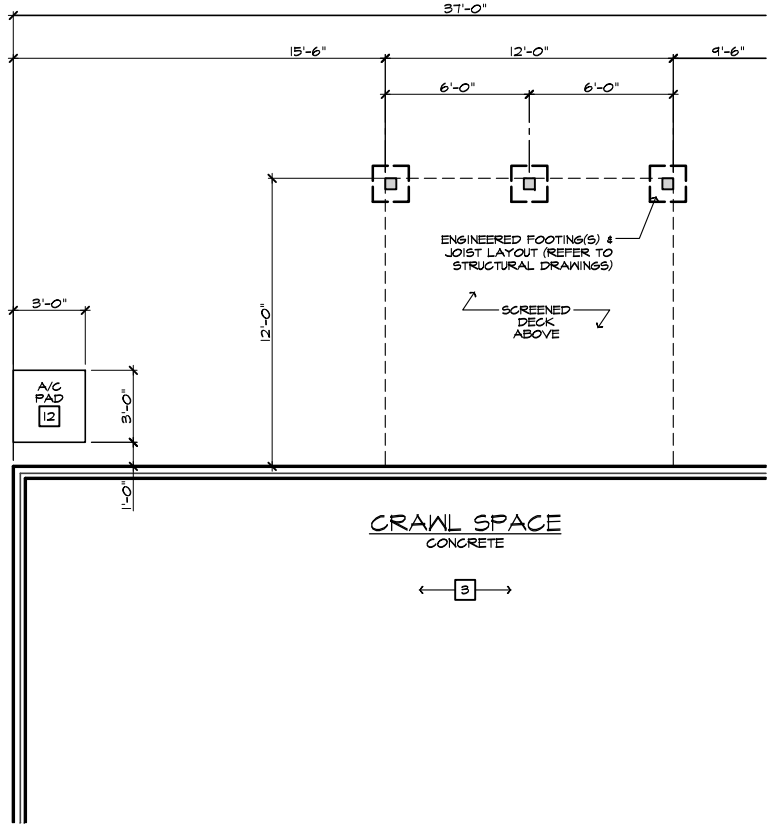
INDICATES ROOF SLOPE AND DIRECTION, U.N.O.  
4:12

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 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 VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LOW VENTING)  
\* CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED.

AREA 5 / MAIN IV PATIO-DECK-SUNROOM:	
VENTILATION REQUIRED:	
ATTIC AREA = 144	SQ. FT. / 150 = 0.96 SQ. FT.
	X 144 = 138 SQ. IN.
	TOTAL HIGH & LOW = 138 SQ. IN.
VENTILATION PROVIDED:	
0 LF VENTILATED SOFFIT AT 6" SQ. IN. / LF. = 0 SQ. IN.	
8 LF RIDGE VENT(S) AT 18 SQ. IN. EA. = 144 SQ. IN.	
TOTAL VENTILATION PROVIDED:	144 SQ. IN.

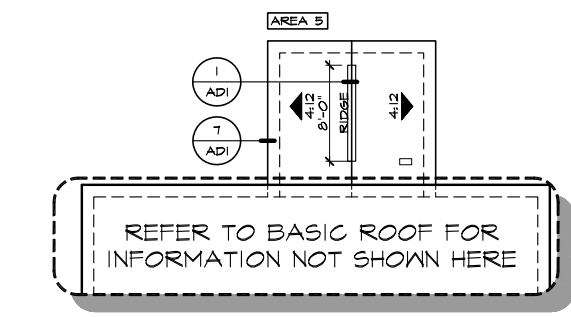


- ### FOUNDATION PLAN NOTES
- NOTE: NOT ALL KEY NOTES APPLY.
- CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.
  - CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER 1'-0" MIN. TOWARD DOOR OPENINGS.
  - FOUNDATION PER STRUCTURAL.
  - STAIR LANDING, 36"x36" MIN.
  - CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENINGS.
  - PROVIDE UNDER FLOOR VENTILATION
  - 4" TOE KICK FOR MASONRY VENEER.
  - 3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.
  - REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.
  - VERIFY LOCATION OF PIER FOOTINGS PER STRUCTURAL
  - 4" MIN. T 3/4" MAX. TO HARD SURFACE.
  - A/C PAD. VERIFY LOCATION.
  - CRAWL SPACE ACCESS
  - 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

NOTE: THE CRAWL SPACE IS TO BE CONDITIONED PER NC-R SECTION R409.  
THE CRAWL SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION R409.2.

NOTE: REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE

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

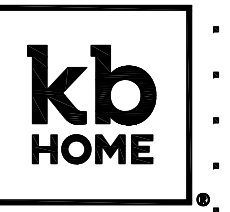


PARTIAL ROOF PLAN

PARTIAL CRAWL SPACE PLAN

PARTIAL FIRST FLOOR PLAN

SCREENED COVERED DECK AT CRAWL SPACE  
SCALE 1/4"=1'-0" (22'x34') - 1/8"=1'-0" (11'x17')



## NORTH CAROLINA 40' SERIES

KB HOME  
NORTH CAROLINA DIVISION

4506 S. MIAMI BLVD.  
SUITE 180  
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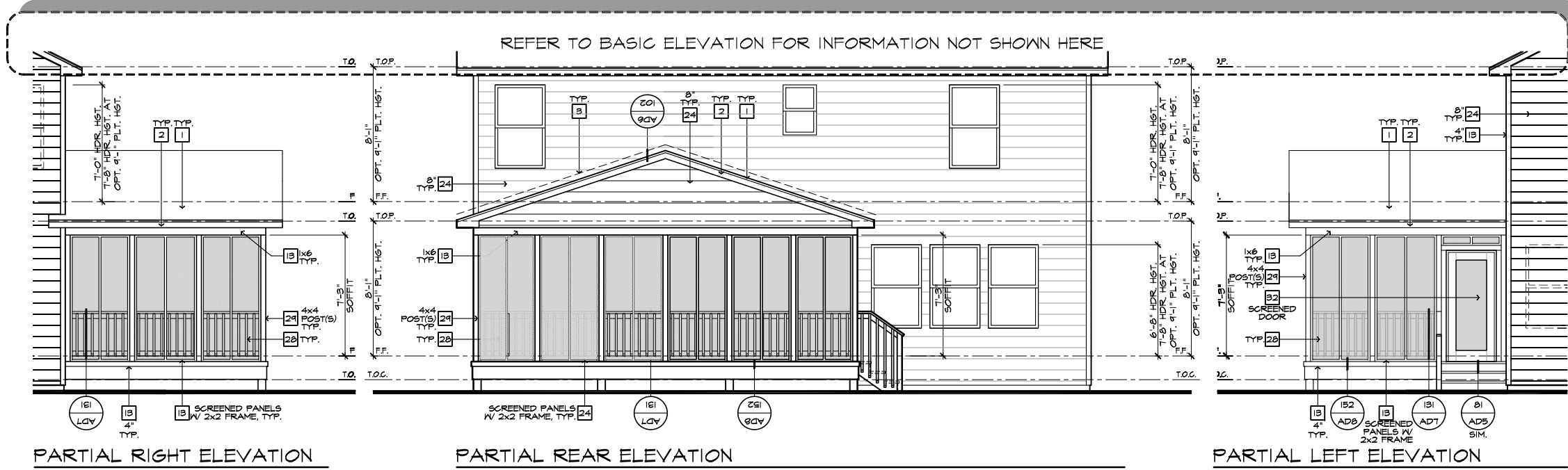
ISSUE DATE: 02/23/17  
PROJECT No.: 1350999:56  
DIVISION MGR.: DS

- ### REVISIONS:
- DIVISION REVISIONS NC19011NCP/ 2/27/19 CTD
  - 2018 CODE UPDATE NC19015NCP/ 03/15/19 / CTD
  - DIVISION REVISIONS NC19032NCP- 04/02/18 FAE
  - DIVISION REVISIONS NC20077NCP- 03/02/20 KBA
  - REPLACED KEYNOTES NC20025NCP/ 05/22/20 / KBA
  - HOME OFFICE CORP21003CORP-08/28/20-CTD
  - ADD DECKS & SUNROOM NC21019NCP-04/03/21-CTD
  - DIVISION REVISION NC21057NCP- 10/23/21 - KBA
  - DIVISION REVISION NC21056NCP- 10/23/21 - KBA

PLAN: 237.2723-R  
SHEET: 7.5

SPEC. LEVEL 1  
RALEIGH-DURHAM 40' SERIES

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- ### # ELEVATION NOTES
- NOTE: NOT ALL KEY NOTES APPLY.
1. ROOF MATERIAL - REFER TO ROOF NOTES
  2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
  3. 6.1. FLASHING
  4. 6.1. FLASHING & SADDLE/CRICKET
  5. 6.1. 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 PER SPEC - SEE ELEVATION FOR SIZE
  14. EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
  15. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
  16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
  17. FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
  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. FIBER-CEMENT SIDING PER SPECS
  25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
  26. PRE-FAB DECORATIVE TRIM
  27. LIGHT WEIGHT PRECAST STONE TRIM
  28. P.T. LUMBER RAILINGS (36" U.N.O.)
  29. FIBER-CEMENT SMOOTH BOARD SEE SPECS
  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

- ### # PARTIAL PLAN NOTES
- NOTE: NOT ALL KEY NOTES APPLY.
27. WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS)
  28. WATER HEATER 3" VENT TO OUTSIDE AIR
  29. MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
  34. LINE V. WALL BELOW
  41. LINE OF FLOOR ABOVE
  42. LINE OF FLOOR BELOW
  43. LINE 36" HIGH SHORTRAIL (REFER TO DETAIL SHEETS)
  50. A/C PAD LOCATION
  51. LOW WALL - REFER TO PLAN FOR HEIGHT
  52. 2x6 STUD WALL
  54. DEL. 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.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
  62. BRICK / STONE VENEER - REFER TO ELEVATIONS
  63. SECTIONAL GARAGE DOOR PER SPECS
  66. 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)
  68. P.T. POST W/ WRAP.
  75. EGRESS WINDOW
  76. WINDOW LEDGE - HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOW(S) ON ALL SIDES U.N.O.
  77. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
  78. CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SIZE

### ROOF PLAN NOTES

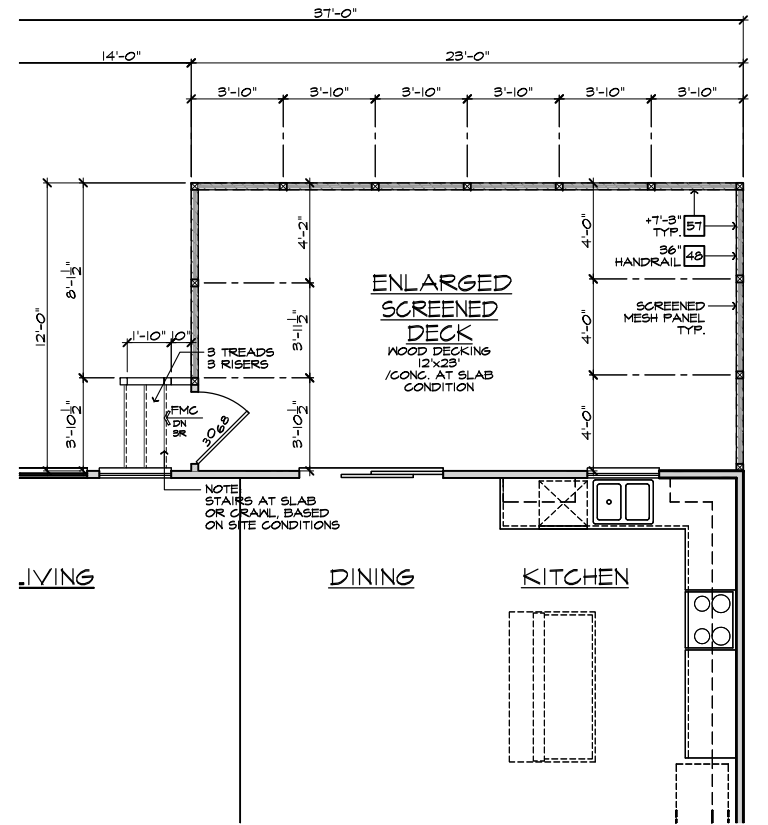
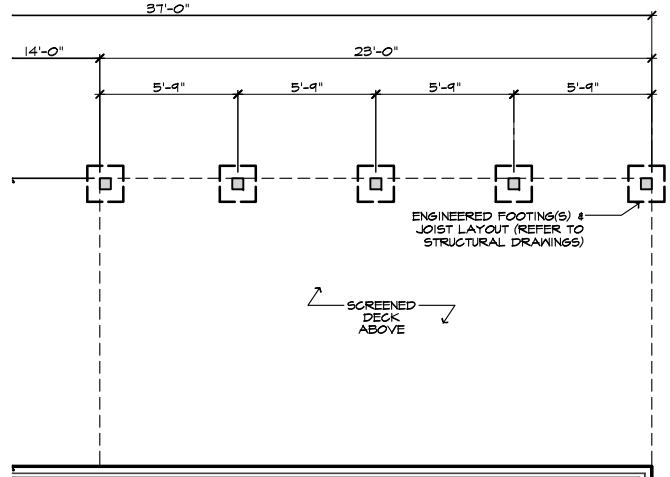
INDICATES ROOF SLOPE AND DIRECTION, U.N.O.  
4:12

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 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 VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LOW VENTING)  
\* CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED.

AREA 5 / MAIN IV PATIO-DECK-SUNROOM:			
VENTILATION REQUIRED:			
ATTIC AREA = 276	SQ. FT. / 150	1.84 SQ. FT.	
	X 144 =	265 SQ. IN.	
	TOTAL HIGH & LOW =	265 SQ. IN.	
VENTILATION PROVIDED:			
95	LF VENTILATED SOFFIT AT	6.4 SQ. IN. / LF. =	242 SQ. IN.
2	LF RIDGE VENT(S) AT	18 SQ. IN. EA. =	36 SQ. IN.
	TOTAL VENTILATION PROVIDED:		278 SQ. IN.

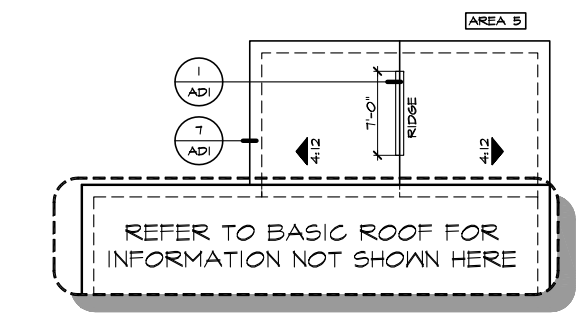


- ### # FOUNDATION PLAN NOTES
- NOTE: NOT ALL KEY NOTES APPLY.
1. CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.
  2. CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER 1'-0" MIN. TOWARD DOOR OPENINGS.
  3. FOUNDATION PER STRUCTURAL.
  4. STAIR LANDING, 36"x36" MIN.
  5. CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENINGS.
  6. PROVIDE UNDER FLOOR VENTILATION
  7. 4" TOE KICK 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 LOCATION OF PIER FOOTINGS PER STRUCTURAL
  11. 4" MIN. 7 3/4" MAX. TO HARD SURFACE.
  12. A/C PAD. VERIFY LOCATION.
  13. CRAWL SPACE ACCESS
  14. 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

NOTE: THE CRAWL SPACE IS TO BE CONDITIONED PER NC-R SECTION R409. THE CRAWL SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION R409.2.

NOTE: REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE

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



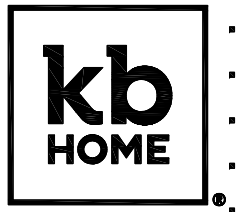
PARTIAL ROOF PLAN

PARTIAL CRAWL SPACE PLAN

PARTIAL FIRST FLOOR PLAN

SCREENED ENLARGED DECK AT CRAWL SPACE

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



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PROJECT No.: 1350999-56  
DIVISION MGR.: DS

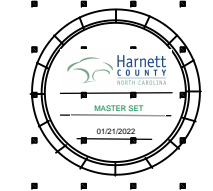
- ### REVISIONS:
- 4 DIVISION REVISIONS NC1901NCP/ 2/27/19 CTD
  - 5 2018 CODE UPDATE NC1901NCP/ 03/15/19 / CTD
  - 6 DIVISION REVISIONS NC1902NCP- 04/02/18 FAE
  - 7 DIVISION REVISIONS NC2007NCP- 03/02/20 KBA
  - 8 REPLACED KEYNOTES NC2002NCP/ 05/22/20 / KBA
  - 9 HOME OFFICE CORP2003CORP-08/20/20-CTD
  - 10 ADD DECKS & SUNROOM NC2101NCP-04/03/21-CTD
  - 11 DIVISION REVISION NC2105NCP- 10/23/21 - KBA
  - 12 DIVISION REVISION NC2105NCP- 11/23/21 - KBA

PLAN: 237.2723-R  
SHEET: 7.6

## SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

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**NORTH CAROLINA  
40' SERIES**

KB HOME  
NORTH CAROLINA DIVISION

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

ISSUE DATE: 02/23/17  
PROJECT No.: 1350999:56  
DIVISION MGR.: DS

- REVISIONS:**
- 4 DIVISION REVISIONS  
NC19011NCP/ 2/27/19 CTD
  - 5 2018 CODE UPDATE  
NC19015NCP/ 03/15/19 / CTD
  - 6 DIVISION REVISIONS  
NC19032NCP/ 04/02/18 FAE
  - 7 DIVISION REVISIONS  
NC20017NCP/ 03/02/20 KBA
  - 8 REPLACED KEYNOTES  
NC20025NCP/ 05/22/20 / KBA
  - 9 HOME OFFICE  
CORP21003CORP-08/28/20-CTD
  - 10 ADD DECKS & SUNROOM  
NC21019NCP-04/03/21-CTD
  - 11 DIVISION REVISION  
NC21057NCP - 10/23/21 - KBA
  - 12 DIVISION REVISION  
NC21055NCP - 10/23/21 - KBA

PLAN:  
**237.2723-R**  
SHEET:  
**7.7**

**SPEC. LEVEL 1  
RALEIGH-DURHAM  
40' SERIES**

- # 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 PER SPEC- SEE ELEVATION FOR SIZE
  14. EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
  15. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
  16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
  17. FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
  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. FIBER-CEMENT SIDING PER SPECS
  25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
  26. PRE-FAB DECORATIVE TRIM
  27. LIGHT WEIGHT PRECAST STONE TRIM
  28. P.T. LUMBER RAILINGS (#36" U.N.O.)
  29. FIBER-CEMENT SMOOTH BOARD SEE SPECS
  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

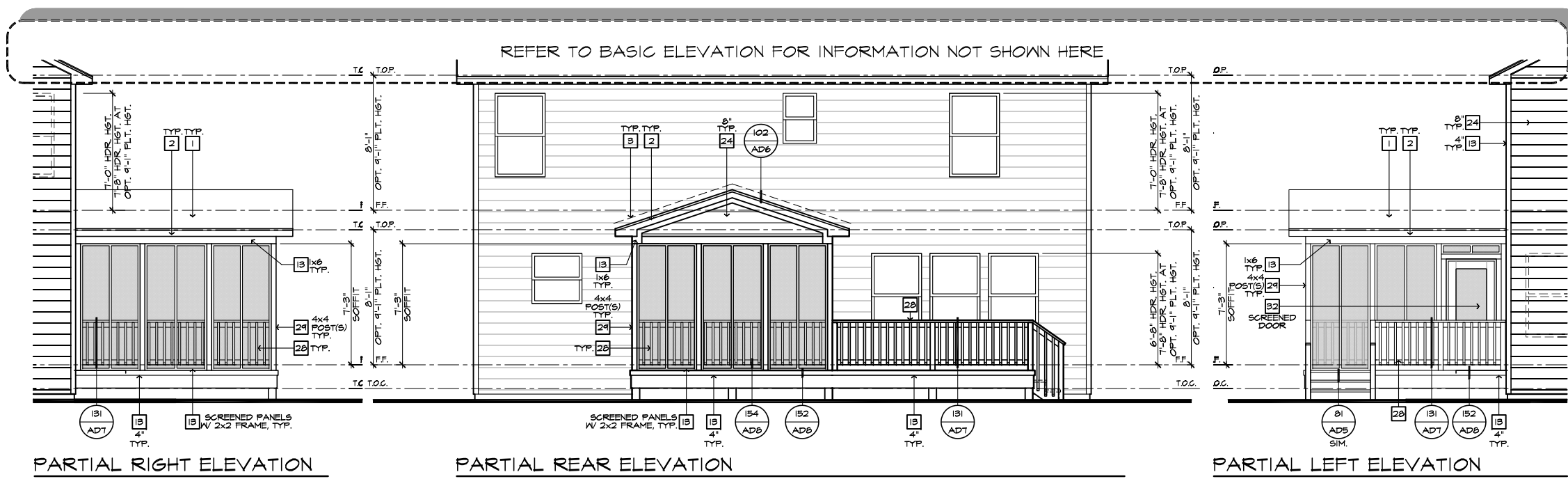
- # PARTIAL PLAN NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
27. WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS)
  28. WATER HEATER VENT TO OUTSIDE AIR
  29. MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
  34. LIVE WALL BELOW
  41. LINE OF FLOOR ABOVE
  42. LINE OF FLOOR BELOW
  43. LINE 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS)
  50. A/C PAD LOCATION
  51. LOW WALL - REFER TO PLAN FOR HEIGHT
  52. 2x6 STUD WALL
  54. DEL. 2x4 WALL PER PLAN
  55. INTERIOR SHELF - REFER TO PLAN FOR HEIGHT
  57. F.T. AT SOFFIT
  58. ARCHED SOFFIT
  60. OPT. DOOR / WINDOW
  61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
  62. BRICK / STONE VENEER - REFER TO ELEVATIONS
  63. SECTIONAL GARAGE DOOR PER SPECS
  66. 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)
  68. P.T. POST W/ WRAP.
  75. EGRESS WINDOW
  76. WINDOW LEDGE. HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOW(S) ON ALL SIDES U.N.O.
  77. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
  78. CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SIZE.

- # FOUNDATION 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 OPENINGS.
  3. FOUNDATION PER STRUCTURAL.
  4. STAIR LANDING, 36"x36" MIN.
  5. CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENINGS.
  6. PROVIDE UNDER FLOOR VENTILATION
  7. 4" TOE KICK 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 LOCATION OF PIER FOOTINGS PER STRUCTURAL
  11. 4" MIN. T 3/4" MAX. TO HARD SURFACE.
  12. A/C PAD. VERIFY LOCATION.
  13. CRAWL SPACE ACCESS
  14. 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

NOTE:  
THE CRAWL SPACE IS TO BE CONDITIONED PER NC-R SECTION R409.  
THE CRAWL SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION R409.2.

NOTE:  
REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE

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



**ROOF PLAN NOTES**

INDICATES ROOF SLOPE AND DIRECTION, U.N.O.  
4:12

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 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 VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LOW VENTING)  
\* CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED.

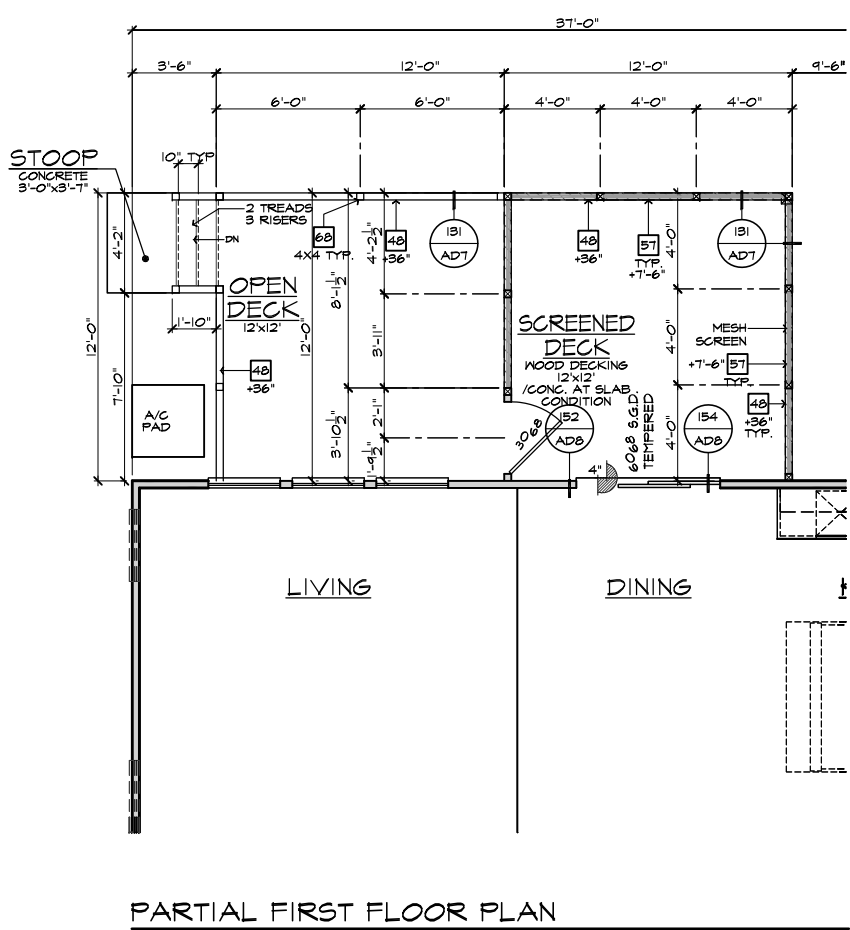
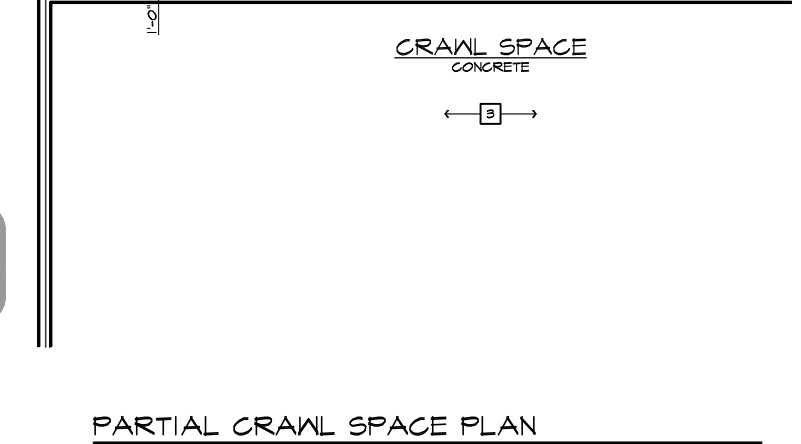
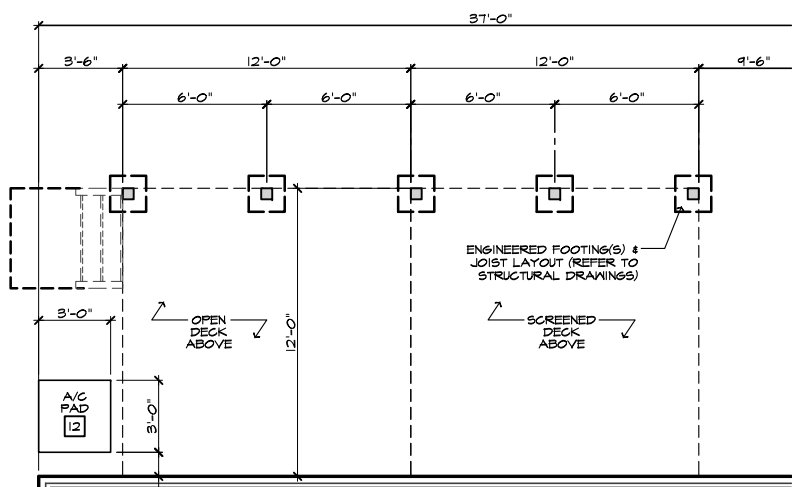
**AREA 5 / MAIN IV PATIO-DECK-SUNROOM:**

**VENTILATION REQUIRED:**

ATTIC AREA = 144	SQ. FT. / 150	0.96 SQ. FT.
	X 144 =	138 SQ. IN.
	TOTAL HIGH & LOW =	138 SQ. IN.

**VENTILATION PROVIDED:**

0	LF VENTILATED SOFFIT AT	6.9	SQ. IN. / LF. =	0 SQ. IN.
0	LF RIDGE VENT(S) AT	18	SQ. IN. EA. =	144 SQ. IN.
	TOTAL VENTILATION PROVIDED:			144 SQ. IN.



PARTIAL ROOF PLAN

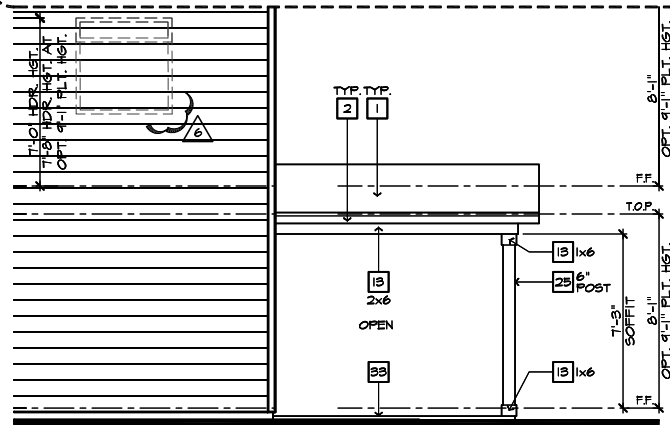
PARTIAL CRAWL SPACE PLAN

PARTIAL FIRST FLOOR PLAN

SCREENED COVERED DECK AT CRAWL SPACE  
SCALE 1/4"=1'-0" (22"x34") - 1/8"=1'-0" (11"x17")

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REFER TO BASIC ELEVATION FOR INFORMATION NOT SHOWN HERE



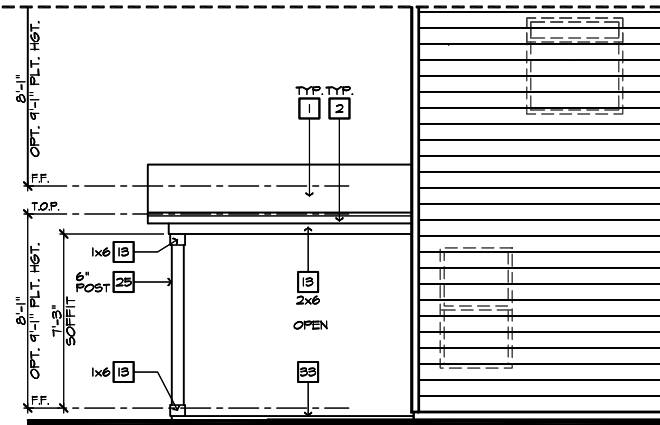
**PARTIAL RIGHT ELEVATION**

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 LEFT ELEVATION**

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

- ELEVATION NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
1. ROOF MATERIAL - REFER TO ROOF NOTES
  2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
  3. 6:1. FLASHING
  4. 6:1. FLASHING & SADDLE/CRICKET
  5. 6:1. 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 PER SPEC - SEE ELEVATION FOR SIZE
  14. EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
  15. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
  16. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
  17. FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
  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. FIBER-CEMENT SIDING PER SPECS
  25. P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
  26. PRE-FAB DECORATIVE TRIM
  27. LIGHT WEIGHT PRECAST STONE TRIM
  28. P.T. LUMBER RAILINGS (36" U.N.O.)
  29. FIBER-CEMENT SMOOTH BOARD SEE SPECS
  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

- PARTIAL PLAN NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
21. WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS)
  28. WATER HEATER 3" VENT TO OUTSIDE AIR
  29. MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
  34. LINE V. WALL BELOW
  41. LINE OF FLOOR ABOVE
  42. LINE OF FLOOR BELOW
  43. LINE 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS)
  50. A/C PAD LOCATION
  51. LOW WALL - REFER TO PLAN FOR HEIGHT
  52. 2x6 STUD WALL
  54. DEL. 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.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
  62. BRICK / STONE VENEER - REFER TO ELEVATIONS
  63. SECTIONAL GARAGE DOOR PER SPECS
  66. 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)
  68. P.T. POST W/ WRAP.
  75. 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.

**ROOF PLAN NOTES**

INDICATES ROOF SLOPE AND DIRECTION, U.N.O.  
4:12

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**

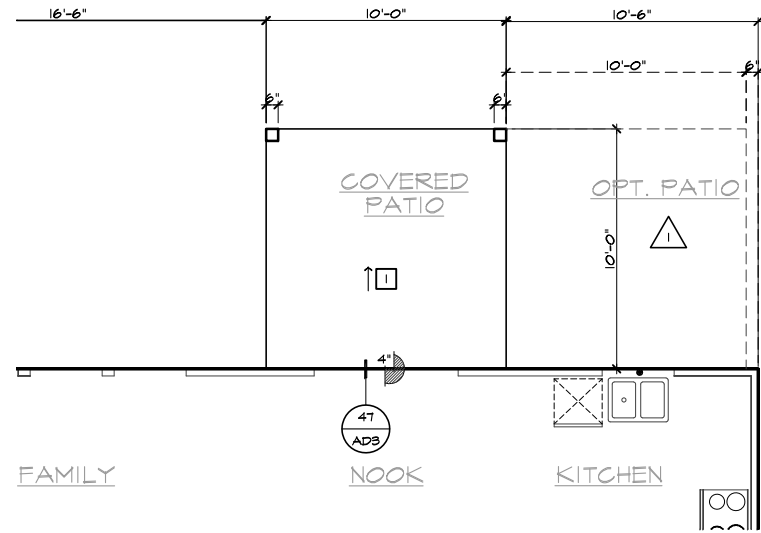
PROVIDE 1 SQ. IN. OF VENTILATION PER 500 SQ. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC. (HIGH VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS. (LOW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

**AREA B / MAIN IV PATIO-DECK-SUNROOM**

VENTILATION REQUIRED:	500 SQ. FT. / 150	0.67 SQ. FT.
ATTIC AREA = 100	X 144 =	46 SQ. IN.
	TOTAL HIGH & LOW =	46 SQ. IN.

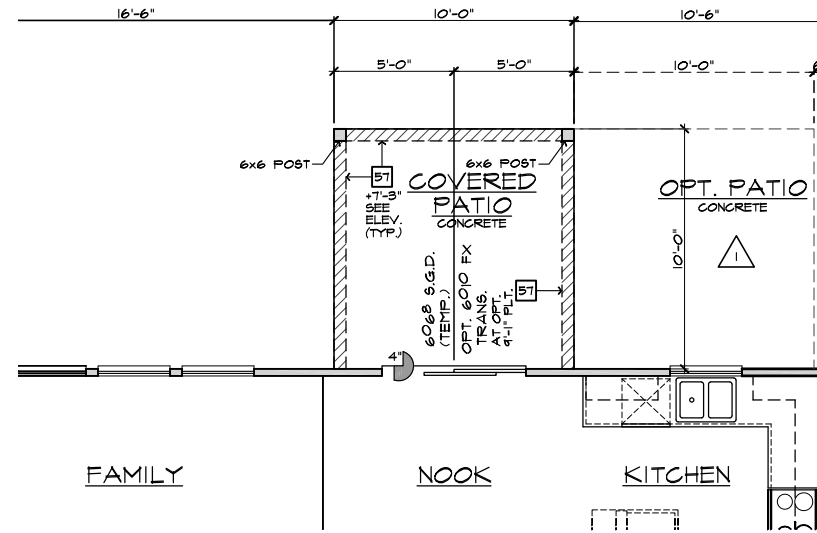
**VENTILATION PROVIDED:**

0 LF VENTILATED SOFFIT AT 6.9	SQ. IN. / LF. =	0 SQ. IN.
6 LF RIDGE VENT(S) AT 19	SQ. IN. EA. =	108 SQ. IN.
<b>TOTAL VENTILATION PROVIDED:</b>		<b>108 SQ. IN.</b>



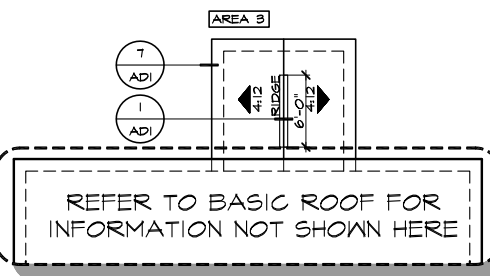
**PARTIAL SLAB INTERFACE PLAN**

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' COVERED PATIO

- 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 OPENINGS.
  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 OPENINGS.
  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.

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

NOTE: REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE

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

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

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REVIEWED BY:

1.	
2.	
3.	
4.	
5.	
6.	

PLAN: 237.2723

SHEET: 8.1

SPEC. LEVEL 1

RALEIGH-DURHAM 40' SERIES



**NORTH CAROLINA 40' SERIES**

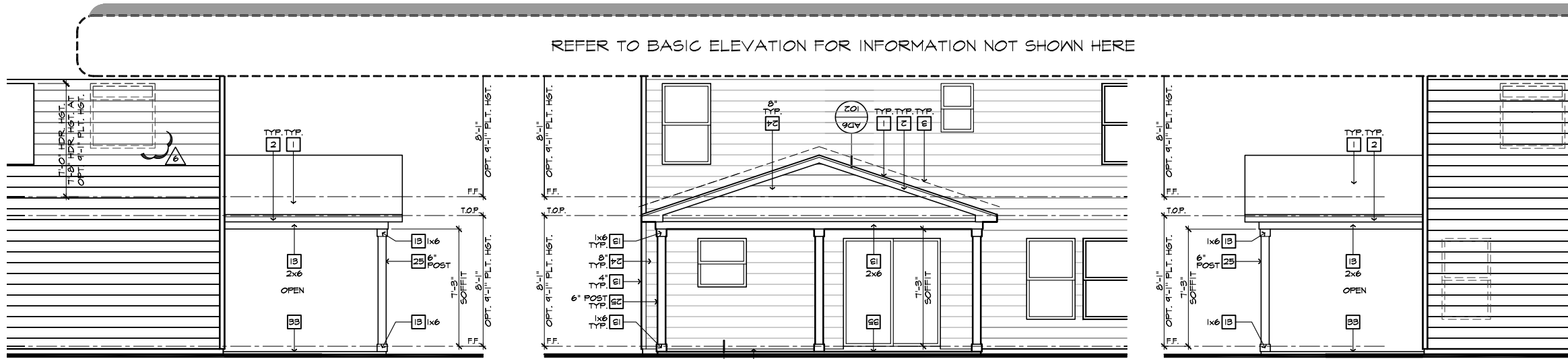
KB HOME NORTH CAROLINA DIVISION

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

ISSUE DATE: 02/23/17  
PROJECT No.: 1350999:56  
DIVISION MGR.: DS  
REVISIONS: 10/25/21

- 7 DIVISION REVISIONS NC20017NCP / 02/23/20 / KBA
- 8 REPLACED KEYNOTES NC20025NCP / 05/22/20 / KBA
- 9 HOME OFFICE CORP20003CORP-08/20/20-CTD
- 10 ADD DECKS & SUNROOM NC21019NCP-04/05/21-CTD
- 11 DIVISION REVISION NC21057NCP - 10/25/21 - KBA
- 12 DIVISION REVISION NC21056NCP - 10/25/21 - KBA

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**PARTIAL RIGHT ELEVATION**

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

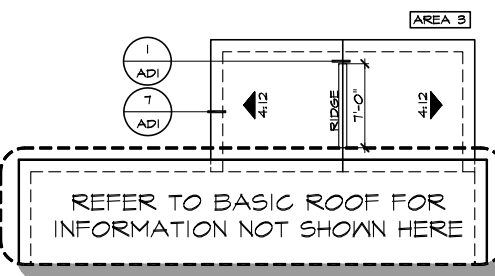
**PARTIAL REAR ELEVATION**

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

**PARTIAL LEFT ELEVATION**

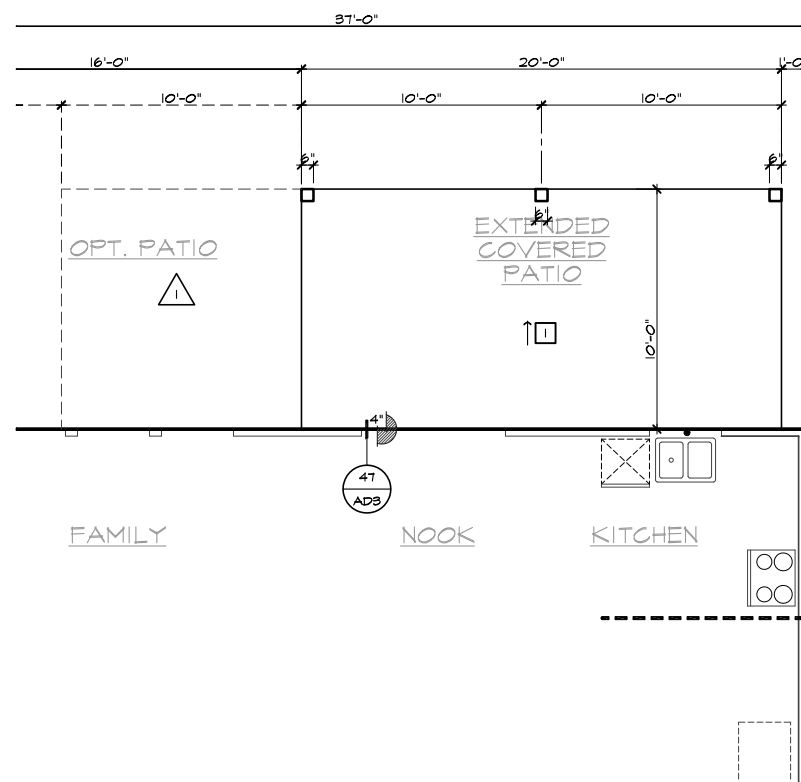
SCALE 1/4"=1'-0" (22'x34") - 1/8"=1'-0" (11'x17")

ROOF PLAN NOTES	
	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 VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS. (LOW VENTING) (2018 NC-R 806.2)	
* CALCULATION BY 1/50, HIGH/LOW VENTING NOT REQUIRED.	
APPROXIMATE RIDGE VENT LOCATIONS SHOWN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.	
AREA 3 / MAIN IV PATIO-DECK-SUNROOM	
VENTILATION REQUIRED:	
ATTIC AREA = 100	50. FT. / 150 0.67 SQ. FT. X 144 = 96 SQ. IN.
TOTAL HIGH & LOW = 96 SQ. IN.	
VENTILATION PROVIDED:	
0	LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = 0 SQ. IN.
6	LF RIDGE VENT(S) AT 19 SQ. IN. EA. = 108 SQ. IN.
TOTAL VENTILATION PROVIDED: 108 SQ. IN.	



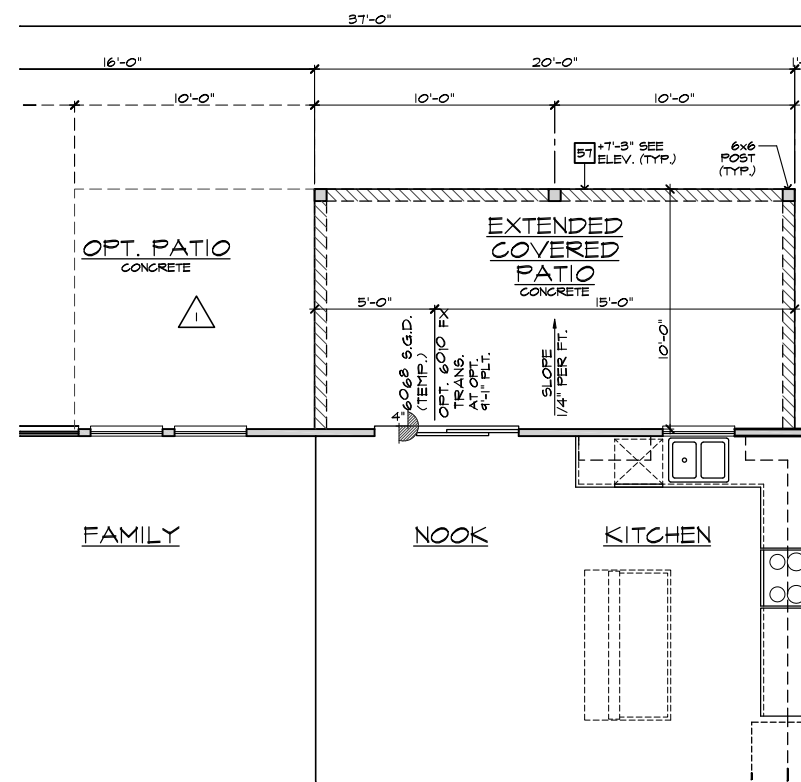
**PARTIAL ROOF PLAN**

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



**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")

- ELEVATION NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
- ROOF MATERIAL - REFER TO ROOF NOTES
  - 2X FASCIA/BARGE BOARD WITH FASCIA CAP
  - 6.1. FLASHING
  - 6.1. FLASHING & SADDLE/GRICKET
  - 6.1. DRIP SCREED
  - 24"x24" CHIMNEY
  - DECORATIVE VENT
  - DECORATIVE CORBEL
  - DECORATIVE SHUTTERS
  - PEDIMENT. SEE ELEVATION FOR TYPE
  - RECESSED ELEMENT
  - DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
  - TRIM PER SPEC- SEE ELEVATION FOR SIZE
  - EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
  - PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
  - SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
  - FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
  - STONE VENEER PER SPECS
  - BRICK/MASONRY VENEER PER SPECS
  - BUILT UP BRICK COLUMN
  - SOLDIER COURSE
  - ROWLOCK COURSE
  - FRIEZE BOARD
  - FIBER-CEMENT SIDING PER SPECS
  - P.T. POST IV WRAP - SEE STRUCTURAL FOR SIZE
  - PRE-FAB DECORATIVE TRIM
  - LIGHT WEIGHT PRECAST STONE TRIM
  - P.T. LUMBER RAILINGS (36" U.N.O.)
  - FIBER-CEMENT SMOOTH BOARD SEE SPECS
  - 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
  - PILASTER - 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 3" VENT TO OUTSIDE AIR
  - MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
  - LINE OF FLOOR ABOVE
  - LINE OF FLOOR BELOW
  - 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS)
  - A/C PAD LOCATION
  - LOW WALL - REFER TO PLAN FOR HEIGHT
  - 2x6 STUD WALL
  - DEL. 2x4 WALL PER PLAN
  - INTERIOR SHELF - REFER TO PLAN FOR HEIGHT
  - F.L. AT 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 IV 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.

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



**NORTH CAROLINA 40' SERIES**

KB HOME NORTH CAROLINA DIVISION

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

ISSUE DATE: 02/23/17  
PROJECT No.: 1350999:56  
DIVISION MGR.: DS  
REVISIONS: 10/25/21

- 7 DIVISION REVISIONS NC20017NCP / 02/23/20 - KBA
- 8 REPLACED KEYNOTES NC20025NCP / 05/22/20 - KBA
- 9 HOME OFFICE CORP20003CORP-08/20/20-CTD
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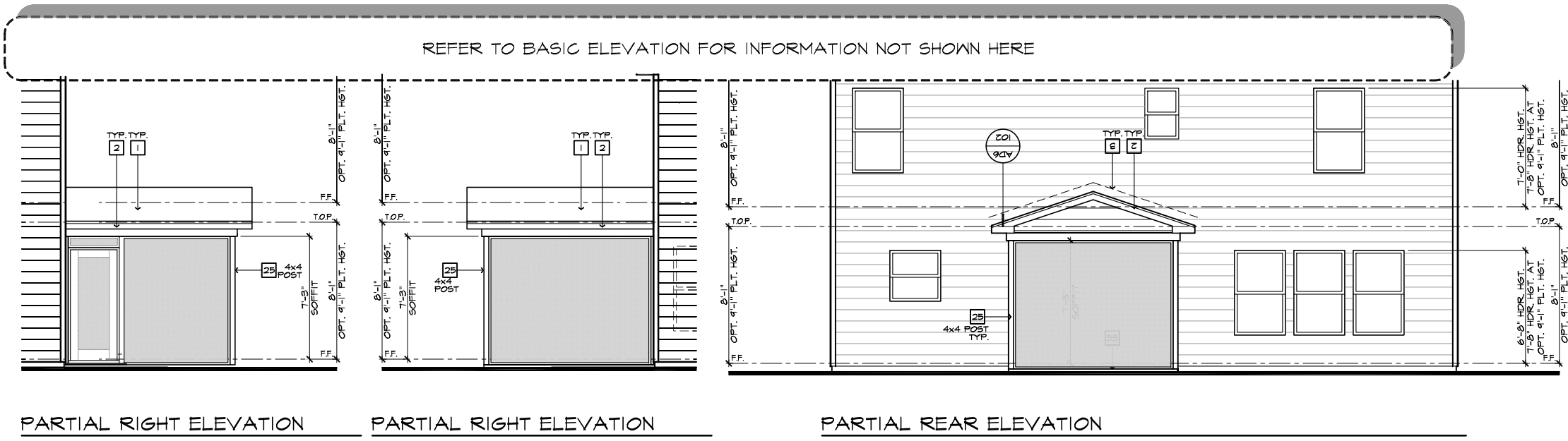
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PLAN: 237.2723  
SHEET: 8.2

**SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES**

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PARTIAL RIGHT ELEVATION

PARTIAL RIGHT ELEVATION

PARTIAL REAR ELEVATION

- ### 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
  - PEDIMENT. SEE ELEVATION FOR TYPE
  - RECESSED ELEMENT
  - DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
  - TRIM PER SPEC- SEE ELEVATION FOR SIZE
  - EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
  - PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
  - SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
  - FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
  - STONE VENEER PER SPECS
  - BRICK/MASONRY VENEER PER SPECS
  - BUILT UP BRICK COLUMN
  - SOLDIER COURSE
  - RONLOCK COURSE
  - FRIEZE BOARD
  - FIBER-CEMENT SIDING PER SPECS
  - P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
  - PRE-FAB DECORATIVE TRIM
  - LIGHT WEIGHT PRECAST STONE TRIM
  - P.T. LUMBER RAILINGS (36" U.N.O.)
  - FIBER-CEMENT SMOOTH BOARD SEE SPECS
  - 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
  - PILASTER - 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 3" 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
  - 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS)
  - A/C PAD LOCATION
  - LOW WALL - REFER TO PLAN FOR HEIGHT
  - 2x6 STUD WALL
  - DEL. 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/ 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.

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

### ROOF PLAN NOTES

INDICATES ROOF SLOPE AND DIRECTION, U.N.O.  
4:12

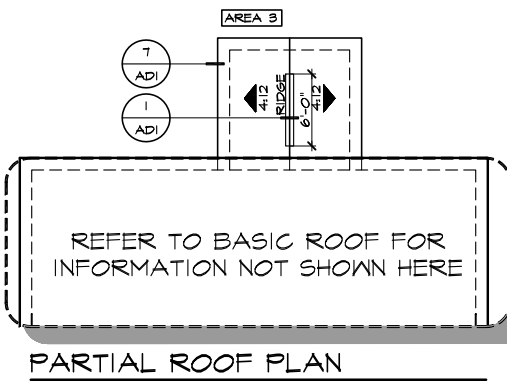
ROOF MATERIAL: COMPOSITION SHINGLE  
12" (INCHES) TYPICAL ROOF OVERHANGS AT RAKE, U.N.O.  
12" (INCHES) TYPICAL ROOF OVERHANGS AT EAVE, U.N.O.  
LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.

#### ATTIC VENT CALCULATIONS

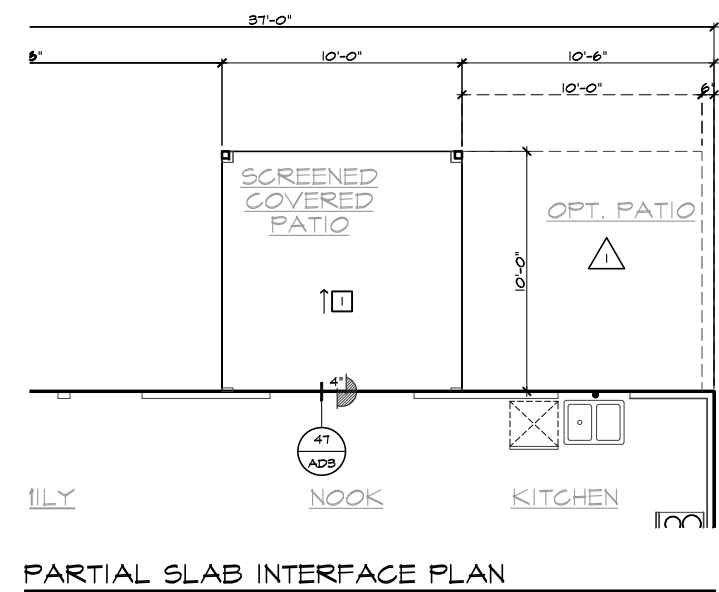
PROVIDE 1 SQ. IN. OF VENTILATION PER 300 SQ. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC (HIGH VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS (LOW VENTING) (2018 NC-R 200.2)  
\* CALCULATION BY IBCO. HIGH/LOW VENTING NOT REQUIRED.

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

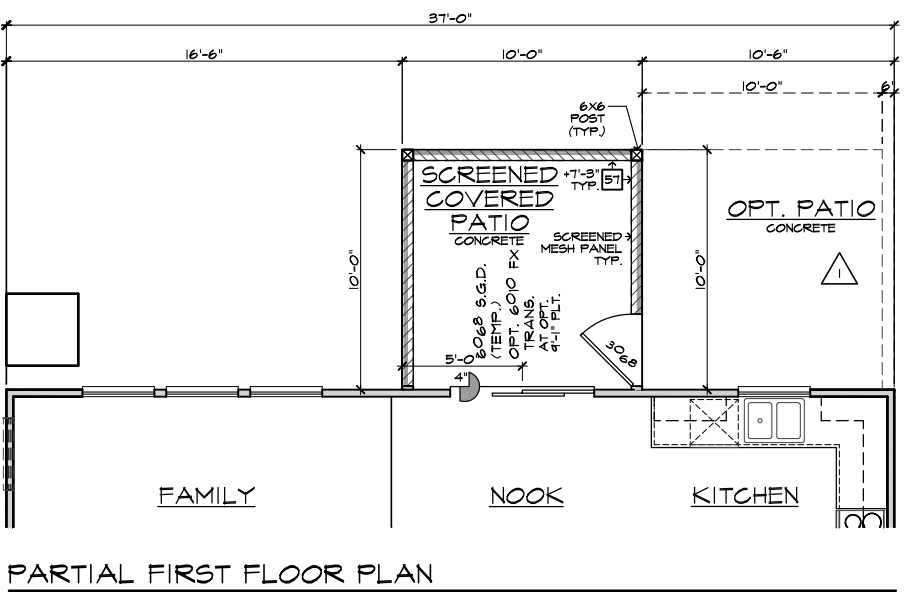
AREA 3 / MAIN IV PATIO-DECK-SUNROOM:	
VENTILATION REQUIRED:	
ATTIC AREA = 100	SG. FT. / 150 = 0.67 SQ. FT.
	X 144 = 96 SQ. IN.
	TOTAL HIGH & LOW = 96 SQ. IN.
VENTILATION PROVIDED:	
0 LF VENTILATED SOFFIT AT 6.9	SG. IN. / LF. = 0 SQ. IN.
6 LF RIDGE VENT(S) AT 18	SG. IN. EA. = 108 SQ. IN.
TOTAL VENTILATION PROVIDED:	108 SQ. IN.



PARTIAL ROOF PLAN

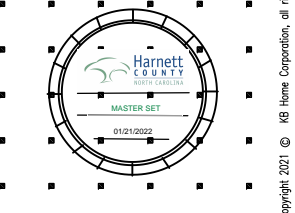


PARTIAL SLAB INTERFACE PLAN



PARTIAL FIRST FLOOR PLAN

10'x10' COVERED SCREENED PATIO AT SLAB ON GRADE  
SCALE 1/4"=1'-0" (22'x34') - 1/8"=1'-0" (11'x17')



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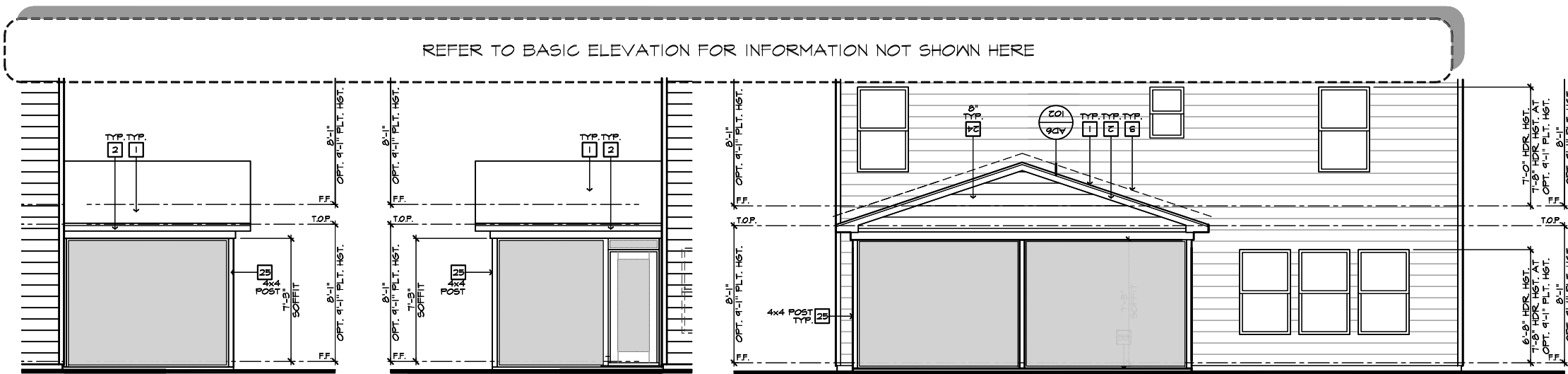
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PLAN: 237.2723  
SHEET: 8.3

SPEC. LEVEL 1  
RALEIGH-DURHAM 40' SERIES

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PARTIAL RIGHT ELEVATION

PARTIAL LEFT ELEVATION

PARTIAL REAR ELEVATION

**ROOF PLAN NOTES**

INDICATES ROOF SLOPE AND DIRECTION, U.N.O.  
4:12

ROOF MATERIAL: COMPOSITION SHINGLE

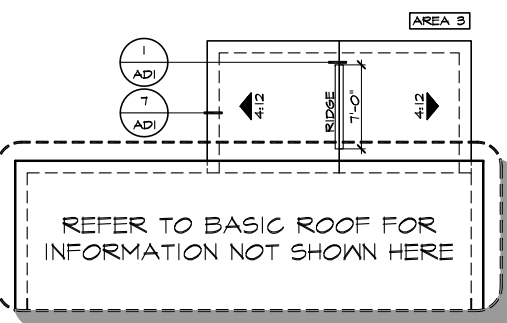
12" (INCHES) TYPICAL ROOF OVERHANGS AT RAKE, U.N.O.  
12" (INCHES) TYPICAL ROOF OVERHANGS AT EAVE, U.N.O.  
LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.

**ATTIC VENT CALCULATIONS**

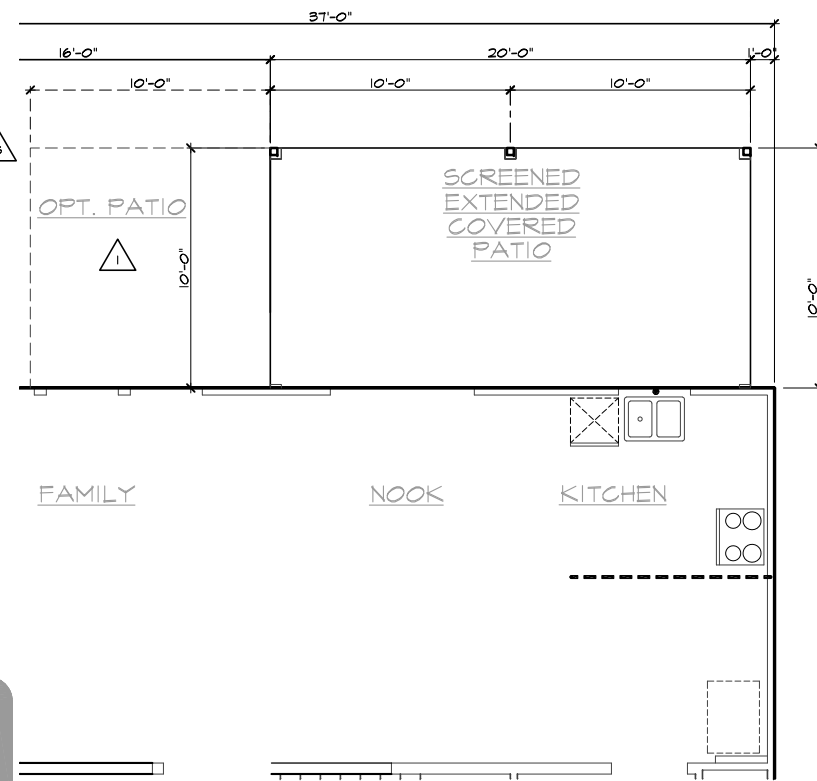
PROVIDE 1 SQ. IN. OF VENTILATION PER 500 SQ. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC (HIGH VENTING) AT 9'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LOW VENTING) (2018 NC-R 206.2) \* CALCULATION BY 1/50, HIGH/LOW VENTING NOT REQUIRED.

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

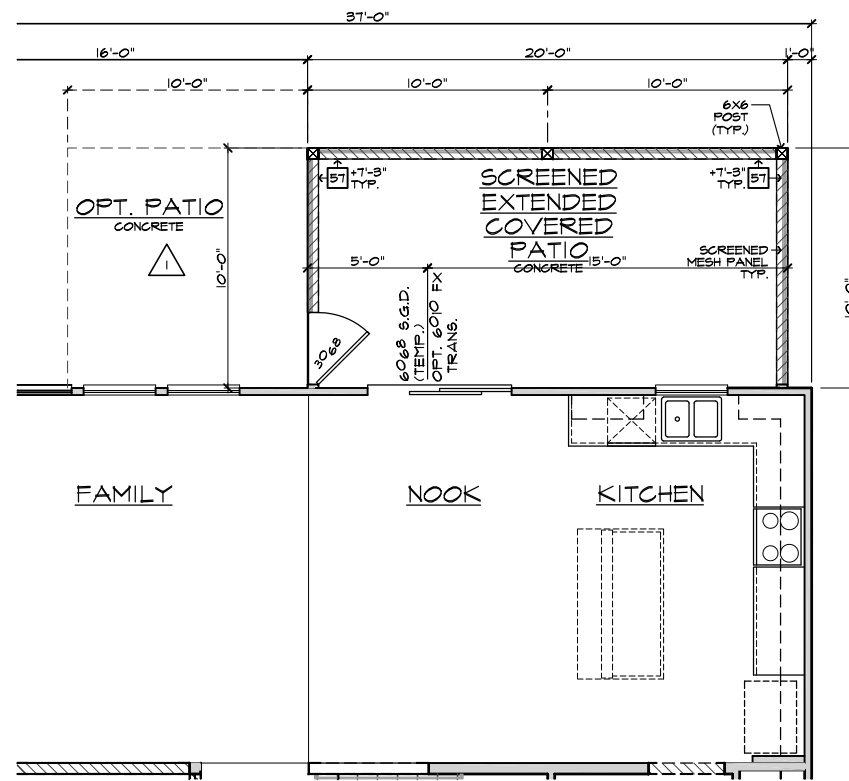
<b>AREA B / MAIN IV PATIO-DECK-SUNROOM:</b>			
<b>VENTILATION REQUIRED:</b>			
ATTIC AREA = 200	SG. FT. / 150	133 SQ. FT.	
	X 144 =	142 SQ. IN.	
	TOTAL HIGH & LOW =	142 SQ. IN.	
<b>VENTILATION PROVIDED:</b>			
10	LF VENTILATED SOFFIT AT 6.4	SG. IN. / LF. =	64 SQ. IN.
7	LF RIDGE VENT(S) AT 18	SG. IN. EA. =	126 SQ. IN.
<b>TOTAL VENTILATION PROVIDED:</b>			149 SQ. IN.



PARTIAL ROOF PLAN



PARTIAL SLAB INTERFACE PLAN



PARTIAL FIRST FLOOR PLAN

**ELEVATION NOTES**

NOTE: NOT ALL KEY NOTES APPLY.

- ROOF MATERIAL - REFER TO ROOF NOTES
- 2X FASCIA/BARGE BOARD WITH FASCIA CAP
- 6.1. FLASHING
- 6.1. FLASHING & SADDLE/CRICKET
- 6.1. DRIP SCREED
- 24"x24" CHIMNEY
- DECORATIVE VENT
- DECORATIVE CORBEL
- DECORATIVE SHUTTERS
- PEDIMENT. SEE ELEVATION FOR TYPE
- RECESSED ELEMENT
- DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
- TRIM PER SPEC- SEE ELEVATION FOR SIZE
- EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
- PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
- SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
- FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
- STONE VENEER PER SPECS
- BRICK/MASONRY VENEER PER SPECS
- BUILT UP BRICK COLUMN
- SOLDIER COURSE
- RONLOCK COURSE
- FRIEZE BOARD
- FIBER-CEMENT SIDING PER SPECS
- P.T. POST IV WRAP - SEE STRUCTURAL FOR SIZE
- PRE-FAB DECORATIVE TRIM
- LIGHT WEIGHT PRECAST STONE TRIM
- P.T. LUMBER RAILINGS (36" U.N.O.)
- FIBER-CEMENT SMOOTH BOARD SEE SPECS
- 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
- PILASTER - 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 3" VENT TO OUTSIDE AIR
- MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
- LINE VENT WALL BELOW
- LINE OF FLOOR ABOVE
- LINE OF FLOOR BELOW
- 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS)
- A/C PAD LOCATION
- LOW WALL - REFER TO PLAN FOR HEIGHT
- 2x6 STUD WALL
- DEL. 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 / MASONRY 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 IV 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.

**SLAB PLAN NOTES**

NOTE: NOT ALL KEY NOTES APPLY.

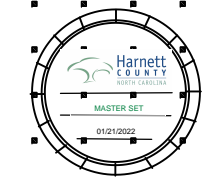
- CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.
- CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER FT. MIN. TOWARD DOOR OPENING.
- CONCRETE FOUNDATION PER STRUCTURAL.
- CONCRETE STOOP: 36"x36" STANDARD SLOPE 1/4" PER FT. MIN.
- CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING.
- PROVIDE ELECTRICAL CONDUIT UNDER SLAB AT ISLAND. VERIFY LOCATION.
- 5" BRICK LEDGE FOR MASONRY VENEER.
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- VERIFY ALL PLUMBING STUD DIMENSIONS SHOWN HERE PRIOR TO POUR OF SLAB.
- 4" MIN. @ 1/4" MAX. TO HARD SURFACE.
- A/C PAD. VERIFY LOCATION.
- 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

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

NOTE: REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE

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

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



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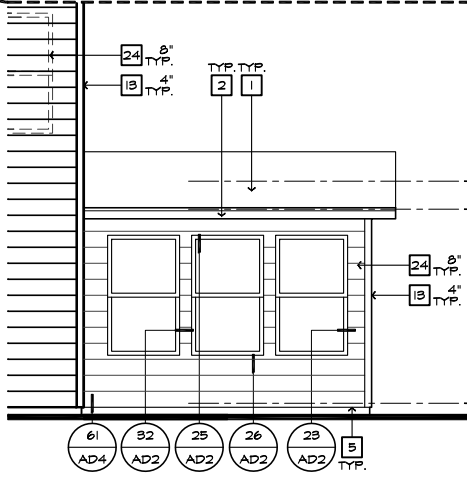
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PLAN: 237.2723  
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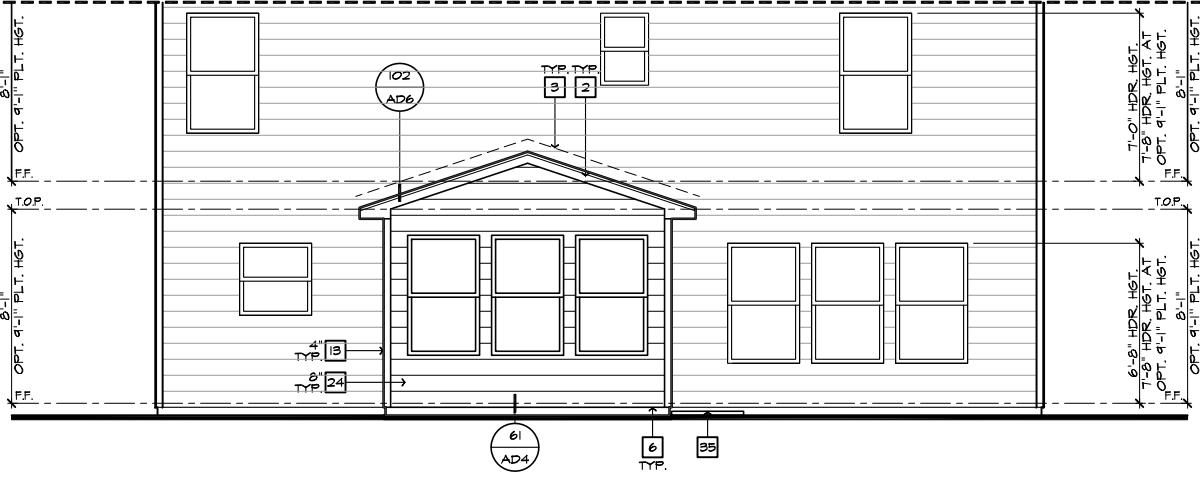
**SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES**

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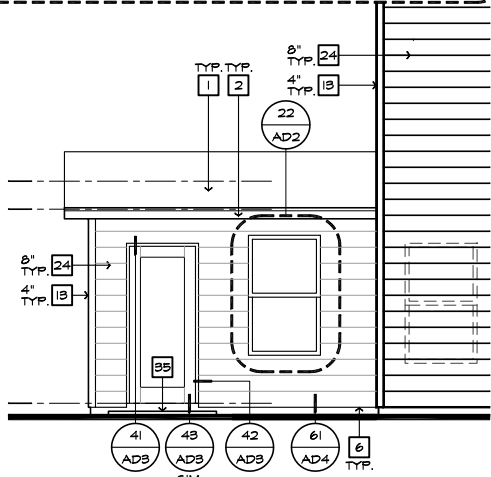
REFER TO BASIC ELEVATION FOR INFORMATION NOT SHOWN HERE



PARTIAL RIGHT ELEVATION



PARTIAL REAR ELEVATION



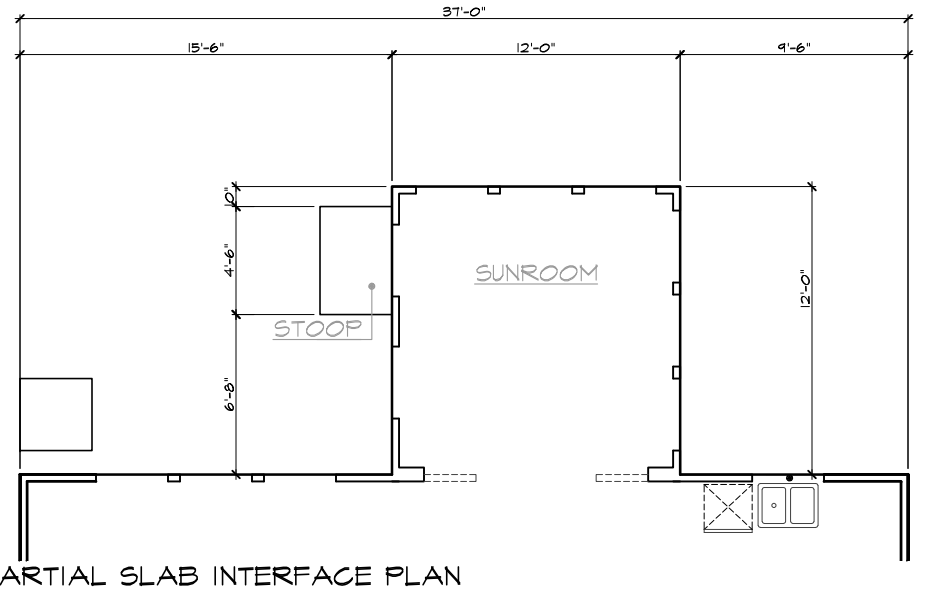
PARTIAL LEFT ELEVATION

#	ELEVATION NOTES
<b>NOTE: NOT ALL KEY NOTES APPLY.</b>	
1.	ROOF MATERIAL - REFER TO ROOF NOTES
2.	2X FASCIA/BARGE BOARD WITH FASCIA CAP
3.	6.1. FLASHING
4.	6.1. FLASHING & SADDLE/CRICKET
5.	6.1. 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 FYFON OR EQ. SEE ELEVATION FOR TYPE
13.	TRIM PER SPEC - SEE ELEVATION FOR SIZE
14.	EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
15.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYFON OR EQ. SURROUNDING STRUCTURAL POST.
16.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
17.	FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
18.	STONE VENEER PER SPECS
19.	BRICK/MASONRY VENEER PER SPECS
20.	BUILT UP BRICK COLUMN
21.	SOLDIER COURSE
22.	ROCKLOCK COURSE
23.	FRIEZE BOARD
24.	FIBER-CEMENT SIDING PER SPECS
25.	P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
26.	PRE-FAB DECORATIVE TRIM
27.	LIGHT WEIGHT PRECAST STONE TRIM
28.	P.T. LUMBER RAILINGS (36" U.N.O.)
29.	FIBER-CEMENT SMOOTH BOARD SEE SPECS
30.	DECORATIVE WINDOW/DOOR TRIM - FYFON OR EQ. SEE ELEVATION FOR SIZE
31.	BRACKET OR KICKER - FYFON 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

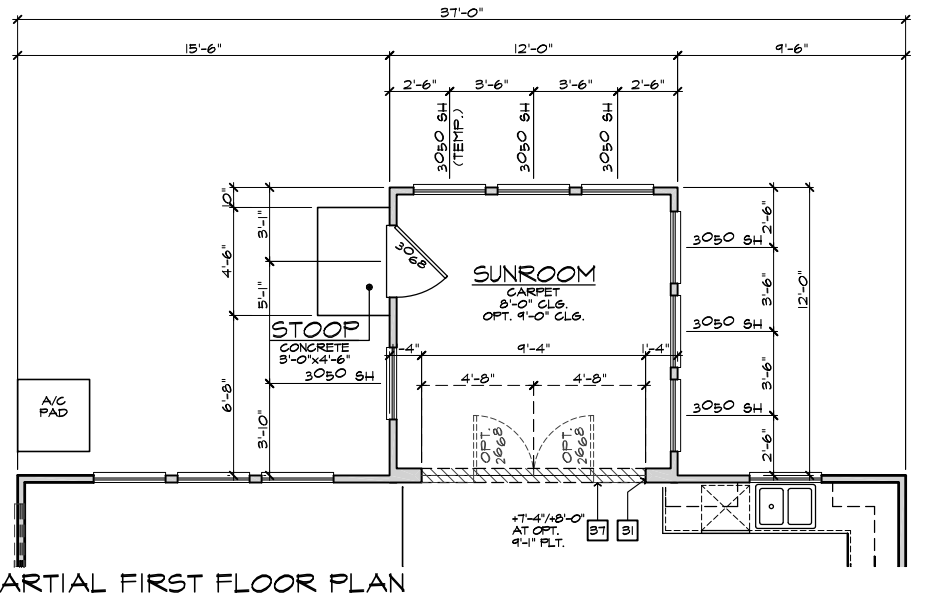
#	PARTIAL PLAN NOTES
<b>NOTE: NOT ALL KEY NOTES APPLY.</b>	
21.	WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS)
28.	WATER HEATER VENT TO OUTSIDE AIR
29.	MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
34.	LINE OF WALL BELOW
41.	LINE OF FLOOR ABOVE
48.	LINE OF FLOOR BELOW
50.	36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS)
50.	A/C PAD LOCATION
51.	LOW WALL - REFER TO PLAN FOR HEIGHT
52.	2x6 STUD WALL
54.	DEL. 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.) FYFON OR EQ. SURROUNDING STRUCTURAL POST.
62.	BRICK / STONE VENEER - REFER TO ELEVATIONS
63.	SECTIONAL GARAGE DOOR PER SPECS
66.	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).
68.	P.T. POST W/ 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.

#	SLAB PLAN NOTES
<b>NOTE: NOT ALL KEY NOTES APPLY.</b>	
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 OPENINGS.
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 OPENINGS.
6.	PROVIDE KEY 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 POOR OF SLAB
11.	4" MIN. 8 1/4" MAX. TO HARD SURFACE.
12.	A/C PAD. VERIFY LOCATION.
13.	36" WIDE WALKWAY - SLOPE 1/4" PER FT. MIN.

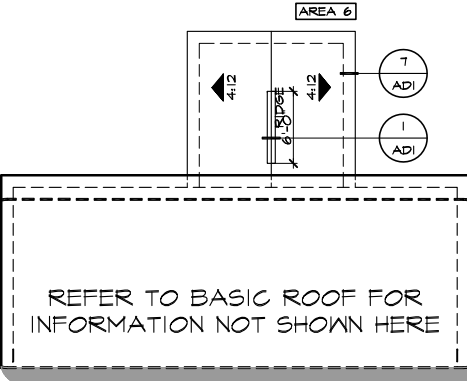
ROOF PLAN NOTES		
	INDICATES ROOF SLOPE AND DIRECTION, U.N.O.	4:12
ROOF MATERIAL: COMPOSITION SHINGLE		
12" (INCHES) TYPICAL ROOF OVERHANGS AT RAKE, U.N.O.		
12" (INCHES) TYPICAL ROOF OVERHANGS AT EAVE, U.N.O.		
LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.		
<b>ATTIC VENT CALCULATIONS</b>		
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 VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS. (LOW VENTING)		
* CALCULATION BY 1/150. HIGH/LOW VENTING NOT REQUIRED.		
<b>AREA 6 / MAIN IV PATIO-DECK-SUNROOM:</b>		
VENTILATION REQUIRED:	SQ. FT. / 150	0.67 SQ. FT.
ATTIC AREA = 100	X 144 =	96 SQ. IN.
	TOTAL HIGH & LOW =	96 SQ. IN.
<b>VENTILATION PROVIDED:</b>		
0	LF VENTILATED SOFFIT AT	6.9 SQ. IN. / LF. =
0	LF RIDGE VENT(S) AT	18 SQ. IN. EA. =
	TOTAL VENTILATION PROVIDED:	108 SQ. IN.



PARTIAL SLAB INTERFACE PLAN



PARTIAL FIRST FLOOR PLAN



PARTIAL ROOF PLAN

SUNROOM AT SLAB ON GRADE  
SCALE 1/4"=1'-0" (22'x34") - 1/8"=1'-0" (11'x17')



**NORTH CAROLINA 40' SERIES**

KB HOME NORTH CAROLINA DIVISION

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

ISSUE DATE: 02/23/17  
PROJECT No.: 1350999-56  
DIVISION MGR.: DS

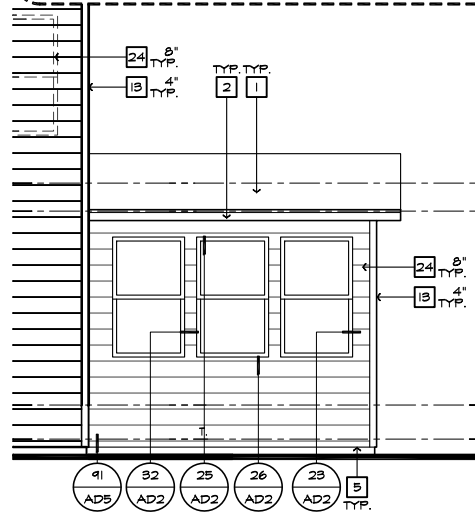
- 4 DIVISION REVISIONS NC1901NCP/ 2/27/19 CTD
- 5 2018 CODE UPDATE NC1901NCP/ 03/15/19 / CTD
- 6 DIVISION REVISIONS NC1902NCP/ 04/02/18 FAE
- 7 DIVISION REVISIONS NC2007NCP/ 03/02/20 KBA
- 8 REPLACED KEYNOTES NC20025NCP/ 05/22/20 / KBA
- 9 HOME OFFICE CORP21003CORP-08/28/20-CTD
- 10 ADD DECKS & SUNROOM NC21019NCP-04/03/21-CTD
- 11 DIVISION REVISION NC21057NCP - 10/23/21 - KBA
- 12 DIVISION REVISION NC21055NCP - 10/25/21 - KBA

PLAN: 237.2723-R  
SHEET: 9.1

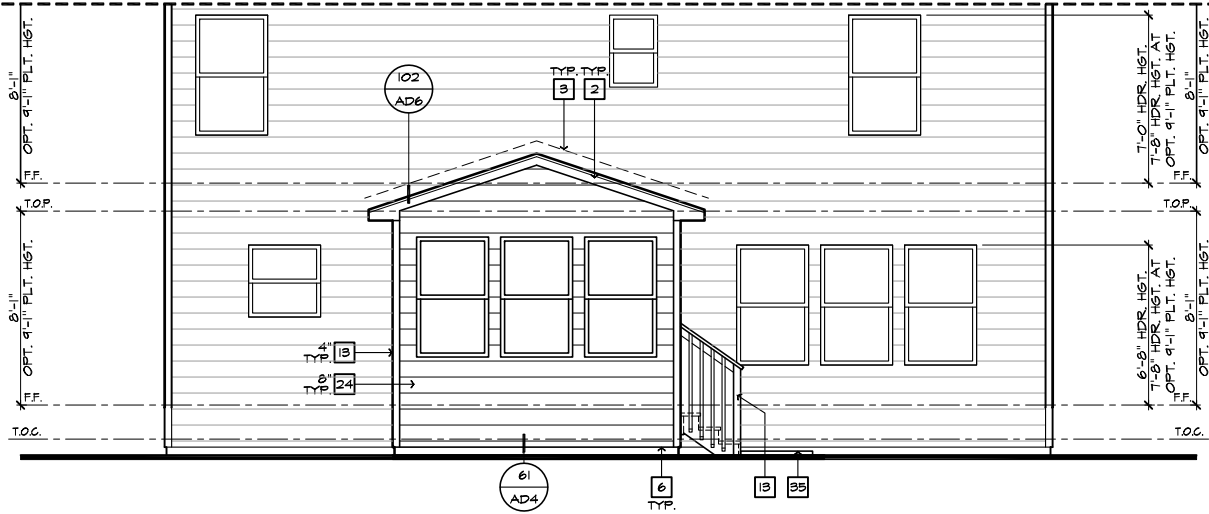
SPEC. LEVEL 1  
RALEIGH-DURHAM 40' SERIES

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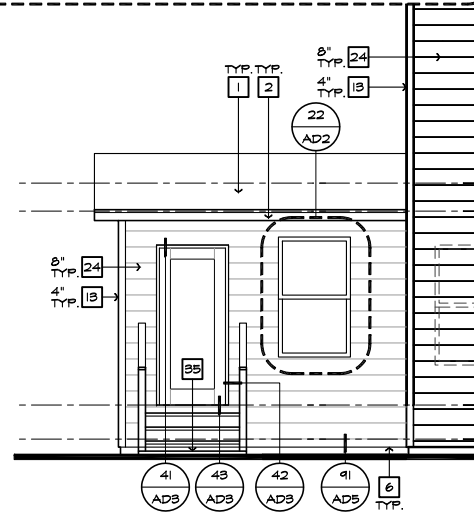
REFER TO BASIC ELEVATION FOR INFORMATION NOT SHOWN HERE



PARTIAL RIGHT ELEVATION



PARTIAL REAR ELEVATION



PARTIAL LEFT ELEVATION

**ELEVATION NOTES**

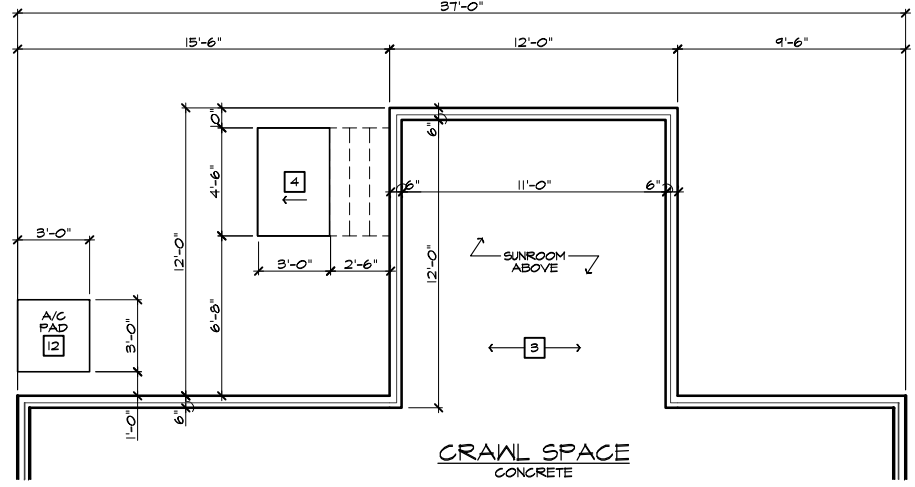
- NOTE: NOT ALL KEY NOTES APPLY.
- ROOF MATERIAL - REFER TO ROOF NOTES
  - 2X FASCIA/BARGE BOARD WITH FASCIA CAP
  - 6.1. FLASHING
  - 6.1. FLASHING & SADDLE/GRICKET
  - 6.1. DRIP SCREED
  - 24"x24" CHIMNEY
  - DECORATIVE VENT
  - DECORATIVE CORBEL
  - DECORATIVE SHUTTERS
  - PEDIMENT. SEE ELEVATION FOR TYPE
  - RECESSED ELEMENT
  - DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
  - TRIM PER SPEC - SEE ELEVATION FOR SIZE
  - EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
  - PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
  - SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
  - FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
  - STONE VENEER PER SPECS
  - BRICK/MASONRY VENEER PER SPECS
  - BUILT UP BRICK COLUMN
  - SOLDIER COURSE
  - ROCKLOCK COURSE
  - FRIEZE BOARD
  - FIBER-CEMENT SIDING PER SPECS
  - P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
  - PRE-FAB DECORATIVE TRIM
  - LIGHT WEIGHT PRECAST STONE TRIM
  - P.T. LUMBER RAILINGS (36" U.N.O.)
  - FIBER-CEMENT SMOOTH BOARD SEE SPECS
  - 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
  - PILASTER - SEE ELEVATION FOR TYPE

**PARTIAL PLAN NOTES**

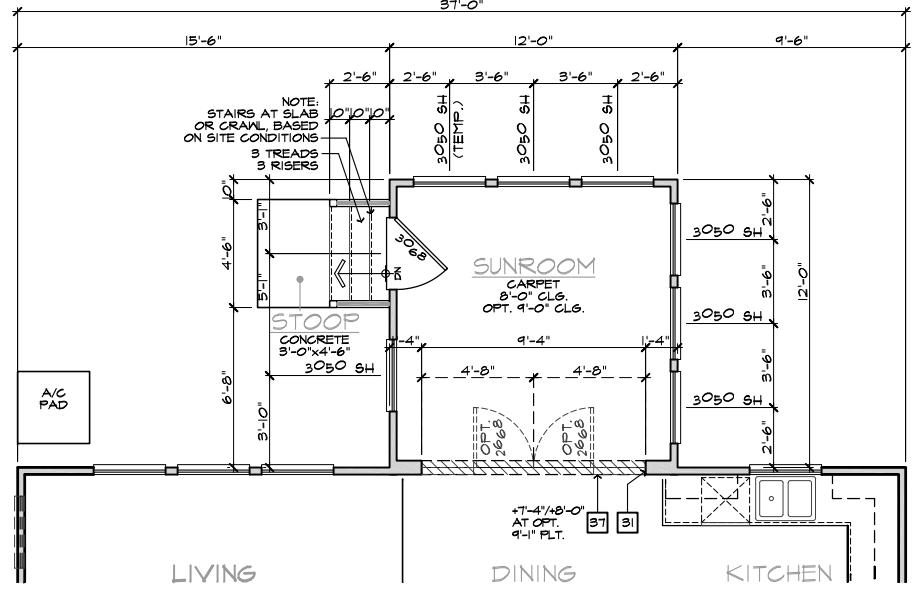
- NOTE: NOT ALL KEY NOTES APPLY.
- WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS)
  - WATER HEATER VENT TO OUTSIDE AIR
  - MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
  - LIVE WALL BELOW
  - LINE OF FLOOR ABOVE
  - LINE OF FLOOR BELOW
  - 36" HIGH SHARDRAIL (REFER TO DETAIL SHEETS)
  - A/C PAD LOCATION
  - LOW WALL - REFER TO PLAN FOR HEIGHT
  - 2x6 STUD WALL
  - DEL. 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/ 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.

**SLAB PLAN NOTES**

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



PARTIAL CRAWL SPACE PLAN



PARTIAL FIRST FLOOR PLAN

**ROOF PLAN NOTES**

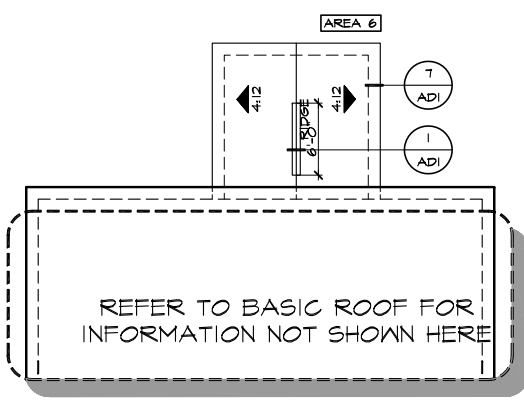
INDICATES ROOF SLOPE AND DIRECTION, U.N.O.  
4:12

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 VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS. (LOW VENTING)  
\* CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED.

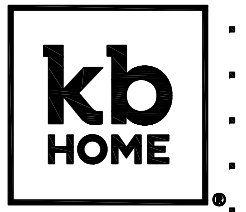
<b>AREA 5 / MAIN IV PATIO-DECK-SUNROOM:</b>			
VENTILATION REQUIRED:			
ATTIC AREA = 144	SQ. FT. / 150	0.96 SQ. FT.	
	X 144 =	139 SQ. IN.	
	TOTAL HIGH & LOW =	139 SQ. IN.	
VENTILATION PROVIDED:			
0	LF VENTILATED SOFFIT AT 6.9	SQ. IN. / LF. =	0 SQ. IN.
8	LF RIDGE VENT(S) AT 18	SQ. IN. EA. =	144 SQ. IN.
<b>TOTAL VENTILATION PROVIDED:</b>			
			144 SQ. IN.



PARTIAL ROOF PLAN

**SUNROOM AT CRAWL SPACE**

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



**NORTH CAROLINA 40' SERIES**

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

ISSUE DATE: 02/23/17  
PROJECT No.: 1350999:56  
DIVISION MGR.: DS

- REVISIONS:
- CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN. NC19015NCP- 2/27/19 CTD
  - 2018 CODE UPDATE NC19015NCP- 03/15/19 / CTD
  - DIVISION REVISIONS NC19032NCP- 04/02/18 FAE
  - DIVISION REVISIONS NC20077NCP- 03/02/20 KBA
  - REPLACED KEYNOTES NC20025NCP/ 05/22/20 / KBA
  - HOME OFFICE CORP200903CORP-08/28/20-CTD
  - ADD DECKS & SUNROOM NC21019NCP-04/05/21-CTD
  - DIVISION REVISION NC21057NCP- 10/25/21 - KBA
  - DIVISION REVISION NC21056NCP- 10/25/21 - KBA

PLAN:  
**237.2723-R**  
SHEET:  
**9.2**

**SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES**

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STRUCTURAL PLANS FOR:



237.2723 - RH GARAGE



PLAN RELEASE / REVISIONS

Table with 4 columns: REV. DATE, ARCH PLAN VERSION, REVISION DESCRIPTION, DRFT. Contains 5 rows of revision data.

NOTES

- 1. ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY.
2. DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS.
3. PLANS MUST HAVE SIGNED SEAL TO BE VALID AND ARE LIMITED TO THE FOLLOWING USES:
A. IF THESE PLANS ARE ISSUED AS A MASTER-PLAN SET...
B. IF THESE PLANS ARE NOT ISSUED AS A MASTER-PLAN SET...

CODE

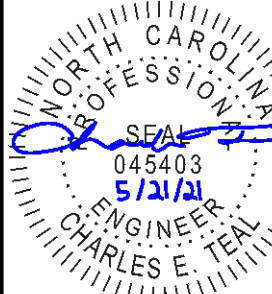
ALL CONSTRUCTION, WORKMANSHIP, AND MATERIAL QUALITY AND SELECTION SHALL BE PER:

2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE

ENGINEER OF RECORD

JDS Consulting, PLLC
DESIGN · ENGINEERING · SURVEYING · ENERGY
8600 'D' JERSEY COURT
RALEIGH, NC 27617
FIRM LIC. NO: P-0961
PROJECT REFERENCE: 21901129

KB HOME NORTH CAROLINA DIVISION
4518 S. MIAMI BLVD. SUITE 180
DURHAM, NC 27703
TEL: (919) 768-7988
FAX: (919) 472-0582



P-0961

JDS Consulting, PLLC HAS PERFORMED A STRUCTURAL REVIEW OF THESE PLANS. THE STRUCTURAL COMPONENTS COMPLY WITH THE 2018 NORTH CAROLINA RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS FOR NC PLAN REVIEW.



8600 'D' JERSEY CT, RALEIGH, NC 27617-919-480-1075
INFO@JDSCONSULTING.NET ; WWW.JDSCONSULTING.NET

PROJECT NO.: 21901129
DATE: 05/19/2021

PLAN: 237.2723

TITLE SHEET

T

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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**

- 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, PLLC IMMEDIATELY IF DISCREPANCIES ON PLAN EXIST.
- 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.

- 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
<b>LIVE LOAD</b>	
ULTIMATE DESIGN WIND SPEED	115 MPH, EXPOSURE B
GROUND SNOW	15 PSF
ROOF	20 PSF
<b>RESIDENTIAL CODE TABLE R301.5 LIVE LOAD (PSF)</b>	
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**

- 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
- 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
- LVL STRUCTURAL MEMBERS TO BE LAMINATED VENEER LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:  
Fb = 2600 PSI Fv = 285 PSI E = 1.9E6 PSI
- PSL STRUCTURAL MEMBERS TO BE PARALLEL STRAND LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:  
Fb = 2900 PSI Fv = 290 PSI E = 2.0E6 PSI
- LSL STRUCTURAL MEMBERS TO BE LAMINATED STRAND LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:  
Fb = 2250 PSI Fv = 400 PSI E = 1.55E6 PSI
- STRUCTURAL STEEL WIDE-FLANGE BEAMS SHALL CONFORM TO ASTM A992. Fy = 50 KSI
- REBAR SHALL BE DEFORMED STEEL CONFORMING TO ASTM A615, GRADE 60.
- 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.
- CONCRETE SUBJECT TO MODERATE OR SEVERE WEATHERING PROBABILITY PER TABLE R301.2(1) SHALL BE AIR-ENTRAINED WHEN REQUIRED BY TABLE R402.2.
- 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.
- MORTAR SHALL COMPLY WITH ASTM INTERNATIONAL STANDARD C270.
- INDICATED MODEL NUMBERS FOR ALL METAL HANGERS, STRAPS, FRAMING CONNECTORS, AND HOLD-DOWNS ARE SIMPSON STRONG-TIE BRAND. EQUIVALENT USP BRAND PRODUCTS ARE ACCEPTABLE.
- REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES.

**FOUNDATION**

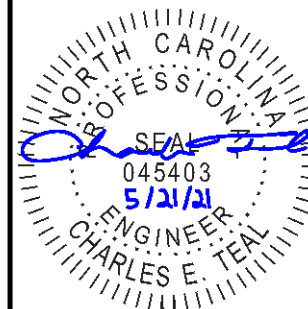
- MINIMUM ALLOWABLE SOIL BEARING CAPACITY IS ASSUMED TO BE 2,000 PSF. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SOIL BEARING CAPACITY IF UNSATISFACTORY CONDITIONS EXIST.
- CONCRETE FOUNDATION WALLS TO BE SELECTED AND CONSTRUCTED PER SECTION R404 OR AMERICAN CONCRETE INSTITUTE STANDARD ACI 318.
- 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.
- 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.
  - TABLES ASSUME THAT WALLS HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM.
  - FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER SECTION R405.
- 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.
  - TABLES ASSUME THAT WALLS HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM.
  - WALL REINFORCING SHALL BE PLACED ACCORDING TO FOOTNOTE (c) OF THE TABLES (REINFORCING IS NOT CENTERED IN WALL).
  - FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER SECTION R405.
- 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.
- 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.
- CENTERS OF PIERS TO BEAR IN THE MIDDLE THIRD OF THE FOOTINGS, AND GIRDERS SHALL CENTER IN THE MIDDLE THIRD OF THE PIERS.
- ALL FOOTINGS TO HAVE MINIMUM 2" PROJECTION ON EACH SIDE OF FOUNDATION WALLS (SEE DETAILS).
- ALL REBAR NOTED IN CONCRETE TO HAVE AT LEAST 2" COVER FROM EDGE OF CONCRETE TO EDGE OF REBAR.
- FRAMING TO BE FLUSH WITH FOUNDATION WALLS.
- WITH CLASS 1 SOILS, VAPOR BARRIER AND CRUSHED STONE MAY BE OMITTED.

**FRAMING**

- ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTED W/ MIN (1) JACK STUD AND (1) KING STUD EACH END, UNO.
- ALL NON-BEARING HEADERS TO BE (2) 2x4, UNO.
- NON-BEARING INTERIOR WALLS NOT MORE THAN 10' NOMINAL HEIGHT AND NOT SHOWN AS BRACED WALLS MAY BE FRAMED WITH 2x4 STUDS @ 24" OC.
- SOLID BLOCKING TO BE PROVIDED AT ALL POINT LOADS THROUGH FLOOR LEVELS TO THE FOUNDATION OR TO OTHER STRUCTURAL COMPONENTS.
- ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION.
- ALL EXTERIOR WALLS TO BE FULLY SHEATHED WITH 7/16" OSB.
  - 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.
  - 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.
  - TRIM OUT COLUMN(S) AND BEAM(S) PER BUILDER AND DETAILS.
- ALL ENGINEERED WOOD PRODUCTS (LVL, PSL, LSL, ETC.) SHALL BE INSTALLED WITH CONNECTIONS PER MANUFACTURER SPECIFICATIONS.
- ENGINEERED WOOD FLOOR SYSTEMS AND ROOF TRUSS SYSTEMS:
  - SHOP DRAWINGS FOR THE SYSTEMS SHALL BE PROVIDED TO THE ENGINEER OF RECORD FOR REVIEW AND COORDINATION BEFORE CONSTRUCTION.
  - TRUSS PROFILES SHALL BE SEALED BY THE TRUSS MANUFACTURER.
  - INSTALLATION OF THE SYSTEMS SHALL BE PER MANUFACTURER'S INSTRUCTIONS.
  - TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN IN THESE DRAWINGS.
- 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.
- 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.
- 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.
- 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).
- 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).
- 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.
- 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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P-0961

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PLAN:  
237.2723

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.

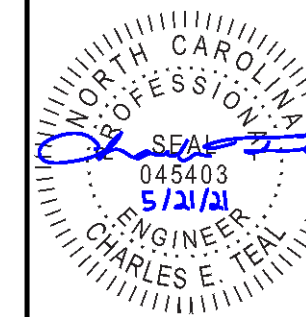
BRICK VENEER LINTEL SCHEDULE		
SPAN	STEEL ANGLE SIZE	END BEARING LENGTH
UP TO 42"	L3-1/2"x3-1/2"x1/4"	8" (MIN. @ EACH END)
UP TO 72"	L6"x4"x5/16" (LLV)	8" (MIN. @ EACH END)
OVER 72"	L6"x4"x5/16" (LLV) ATTACH LINTEL w/ 1/2" THRU BOLT @ 12" OC, 3" FROM EACH END	

\* 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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P-0961

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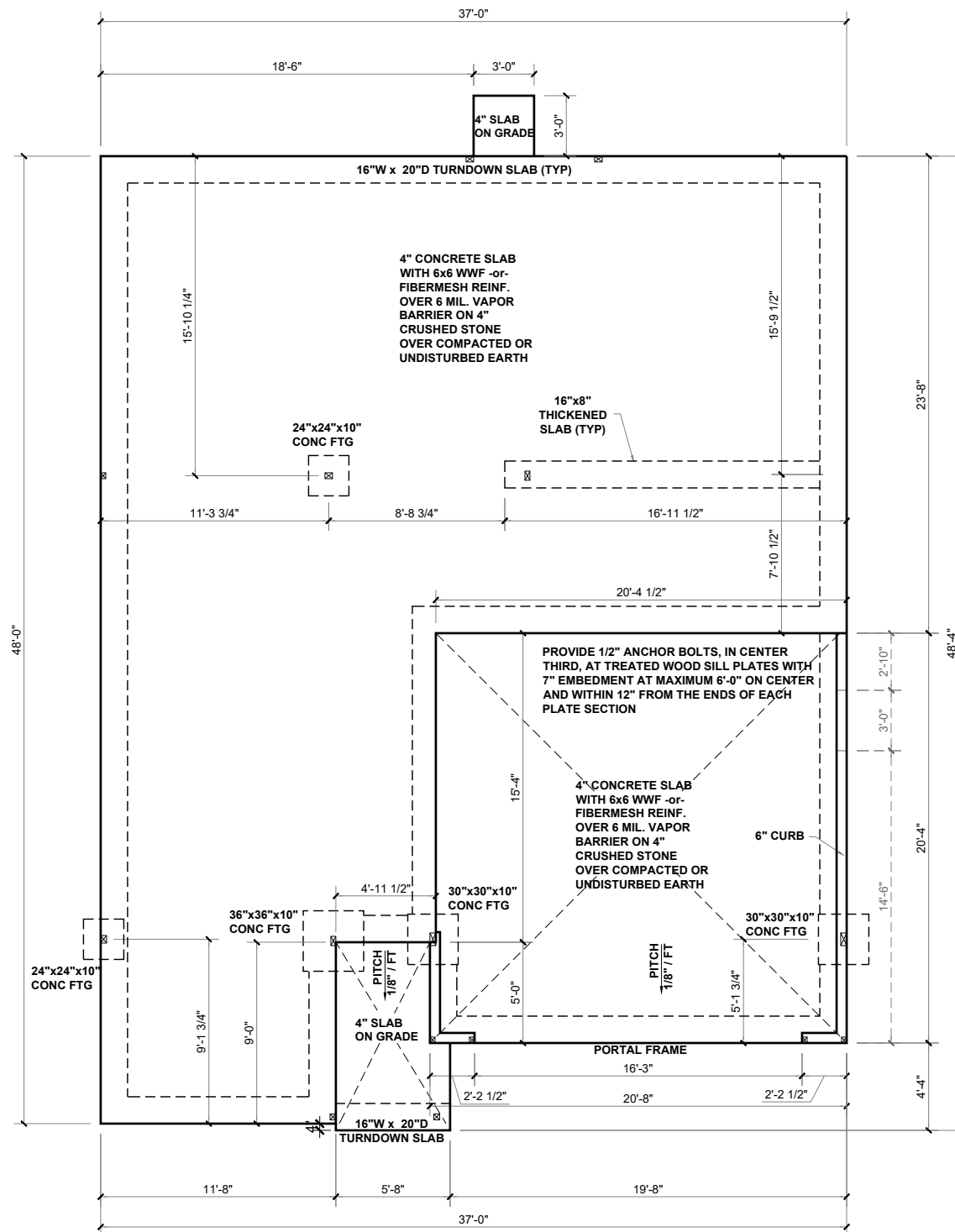
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GENERAL NOTES

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**SLAB FOUNDATION PLAN - 'A'**  
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

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

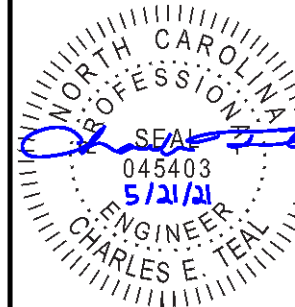
ALL CONCRETE CURBS SUPPORTING PORTAL FRAMED OR ENGINEERED OPENINGS IN GARAGES WITH A PONY WALL OVER 24" ABOVE THE GARAGE DOOR HEADER SHALL BE REQUIRED TO BE AT LEAST 8" WIDE.

**CONCRETE SLAB REINFORCING SUBSTITUTION OF SYNTHETIC FIBER MIX IN LIEU OF WWF IN NON STRUCTURAL SLABS:**

- NO SUBSTITUTION ALLOWED IN SLABS INSTALLED ON RAISED METAL DECKING
- NO SUBSTITUTION ALLOWED IN SLABS WITH GRADE BEAMS UNLESS A REBAR MAT IS INSTALLED
- NO SUBSTITUTION ALLOWED IF ANY SOILS HAVE BEEN FOUND TO BE EXPANSIVE SOILS ON SITE
- NO SUBSTITUTION ALLOWED FOR SLAB POURS DIRECTLY ON GRADE; A 4" BASE MATERIAL OF CRUSHED STONE OR WELL DRAINING CLEAN SAND IS REQUIRED FOR SUBSTITUTION
- NO SUBSTITUTION ALLOWED FOR ANY SITES WITH A DCP BLOW COUNT OF 10 OR LESS.
- FIBER MIX VOLUMES MUST BE FOLLOWED PER THE MANUFACTURES SPECIFICATIONS



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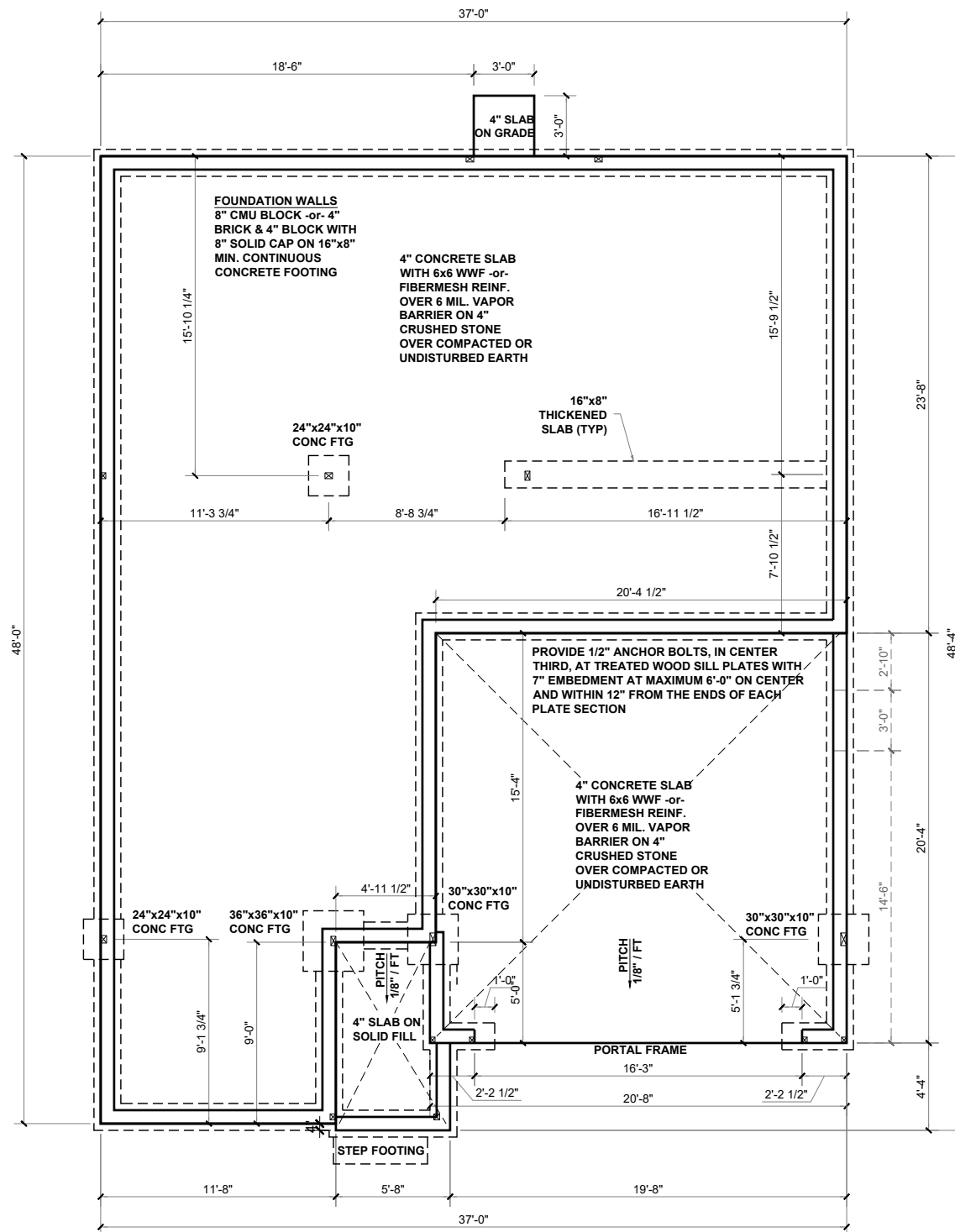
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SLAB  
FOUNDATION PLAN  
**S.10A**

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**STEMWALL FOUNDATION PLAN - 'A'**  
SCALE: 1/8"=1'-0"

**BEAM & POINT LOAD LEGEND**

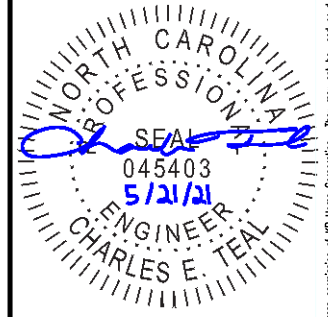
	INTERIOR LOAD BEARING WALL
	ROOF RAFTER / TRUSS SUPPORT
	DOUBLE RAFTER / DOUBLE JOIST
	STRUCTURAL BEAM / GIRDER
	WINDOW / DOOR HEADER
	POINT LOAD TRANSFER
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(1) #5 REBAR @ CENTER OFF ALL PERIMETER AND INTERNAL LOAD BEARING FOOTINGS. (2" C.C. MIN)

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- NO SUBSTITUTION ALLOWED IN SLABS INSTALLED ON RAISED METAL DECKING
  - NO SUBSTITUTION ALLOWED IN SLABS WITH GRADE BEAMS UNLESS A REBAR MAT IS INSTALLED
  - NO SUBSTITUTION ALLOWED IF ANY SOILS HAVE BEEN FOUND TO BE EXPANSIVE SOILS ON SITE
  - NO SUBSTITUTION ALLOWED FOR SLAB POURS DIRECTLY ON GRADE; A 4" BASE MATERIAL OF CRUSHED STONE OR WELL DRAINING CLEAN SAND IS REQUIRED FOR SUBSTITUTION
  - NO SUBSTITUTION ALLOWED FOR ANY SITES WITH A DCP BLOW COUNT OF 10 OR LESS.
  - FIBER MIX VOLUMES MUST BE FOLLOWED PER THE MANUFACTURES SPECIFICATIONS



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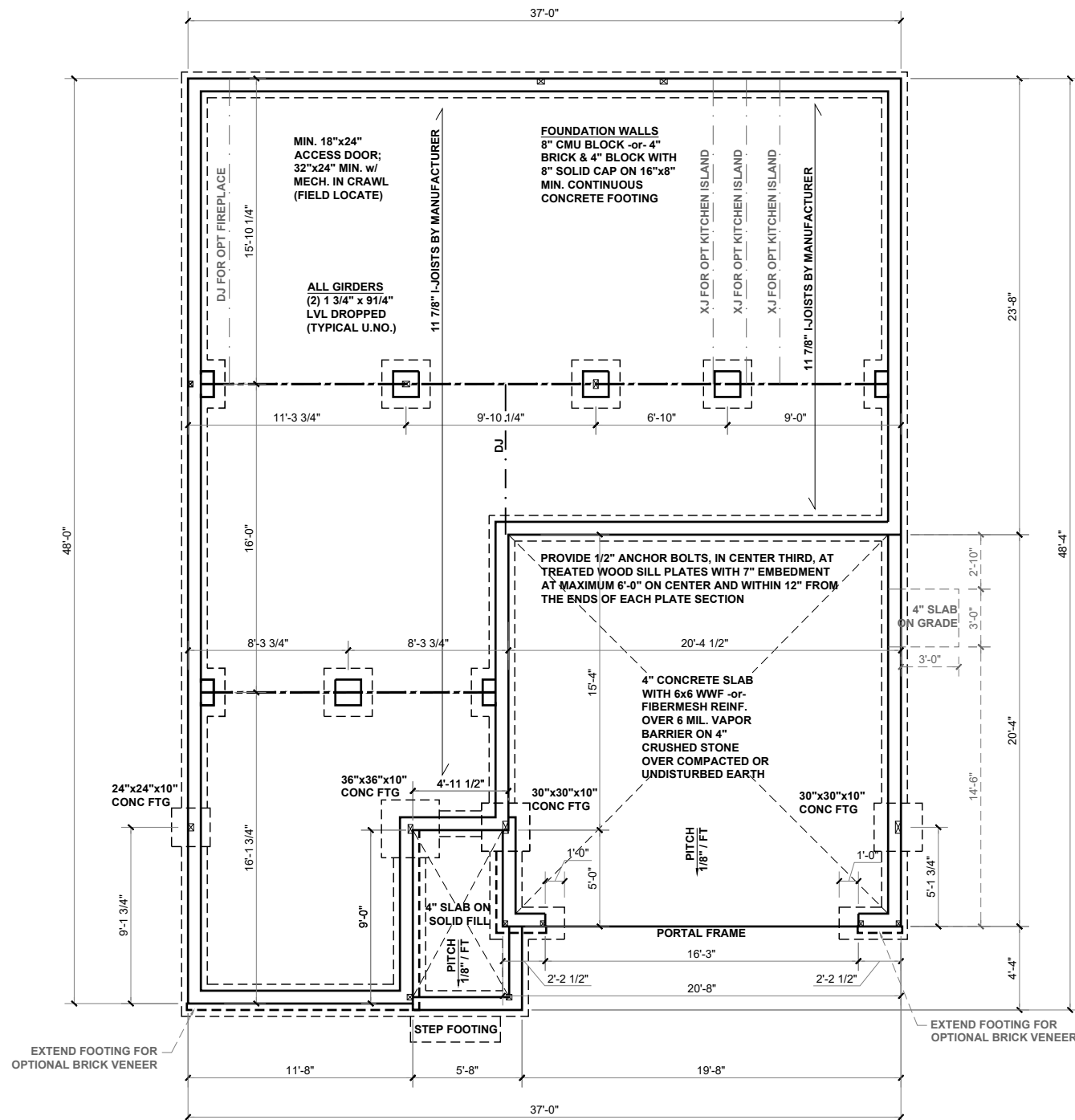


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STEMWALL  
FOUNDATION PLAN  
**S.20A**

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# CRAWL SPACE FOUNDATION PLAN - 'A'

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

**FOUNDATION STRUCTURAL NOTES:**

1. CONCRETE BLOCK PIER SIZE SHALL BE:

SIZE	HOLLOW MASONRY	SOLID MASONRY
8x16	UP TO 32" HIGH	UP TO 5'-0" HIGH
12x16	UP TO 48" HIGH	UP TO 9'-0" HIGH
16x16	UP TO 64" HIGH	UP TO 12'-0" HIGH
24x24	UP TO 96" HIGH	

WITH 30" x 30" x 10" CONCRETE FOOTING, UNO.

FLOOR FRAMING TO BE 11 7/8" DEEP TJI 210 SERIES OR EQUAL, 19.2" OC MAXIMUM SPACING

\*\*REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES

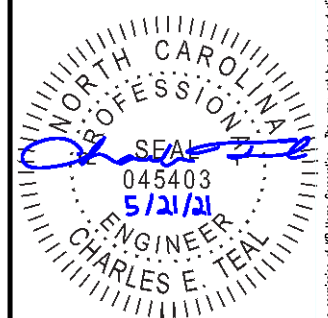
I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

8"x16" PIERS AT FOUNDATION WALL SUPPORTING DROPPED GIRDER TO HAVE A 30"x10"x8" FOOTING PROJECTION FROM THE MAIN WALL FOOTING.

(1) #5 REBAR @ CENTER OF ALL PERIMETER FOOTINGS. (2" C.C. MIN)



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P-0961

JDS Consulting, PLLC HAS PERFORMED A STRUCTURAL REVIEW OF THESE PLANS. THE STRUCTURAL COMPONENTS COMPLY WITH THE 2018 NORTH CAROLINA RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS FOR NC PLAN REVIEW. DEVIATION OF ANY STRUCTURAL REQUIREMENTS OF THESE PLANS WITHOUT THE APPROVAL OF THE EOR IS PROHIBITED.



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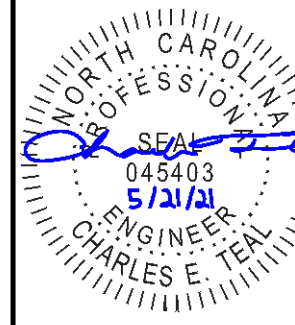
CRAWL SPACE  
FOUNDATION PLAN

S.30A

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FIRST FLOOR  
CEILING FRAMING PLAN

S1.0A

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).

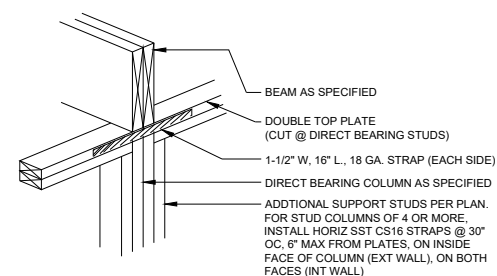
ALL FLUSH BEAMS TO BE DIRECTLY SUPPORTED BY (2) 2X STUDS UNLESS OTHERWISE NOTED. STUD COLUMNS TO BE SUPPORTED BY SOLID BLOCKING TO FOUNDATION OR TO BEARING COMPONENT BELOW.

I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

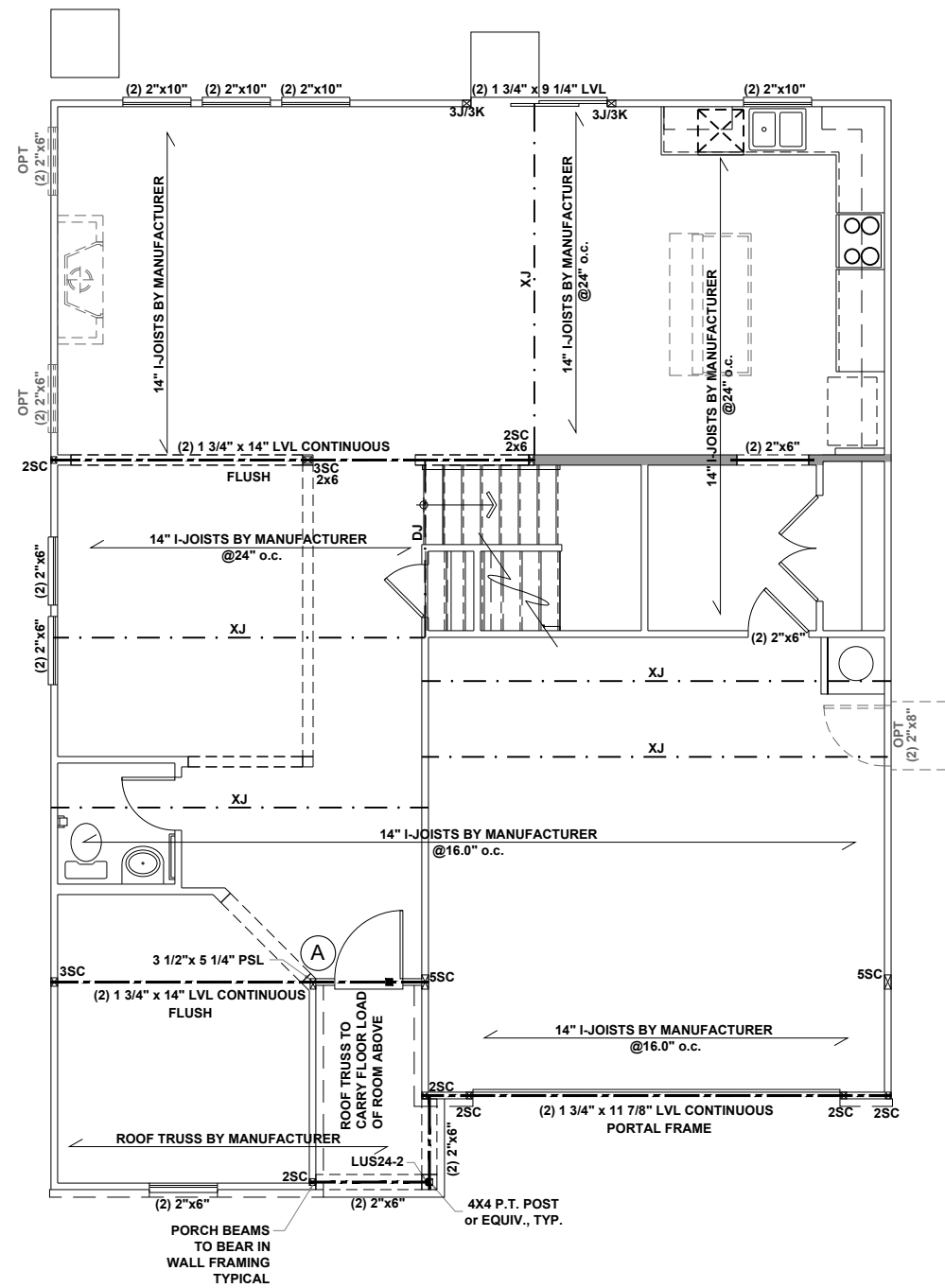
\*\*REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES

FLOOR FRAMING TO BE 14" DEEP TJI 210 SERIES OR EQUAL, 19.2" OC MAXIMUM SPACING, U.N.O.

INTERIOR OPTIONS DO NOT AFFECT THE STRUCTURAL LAYOUT



A DIRECT STUD BEARING  
NTS

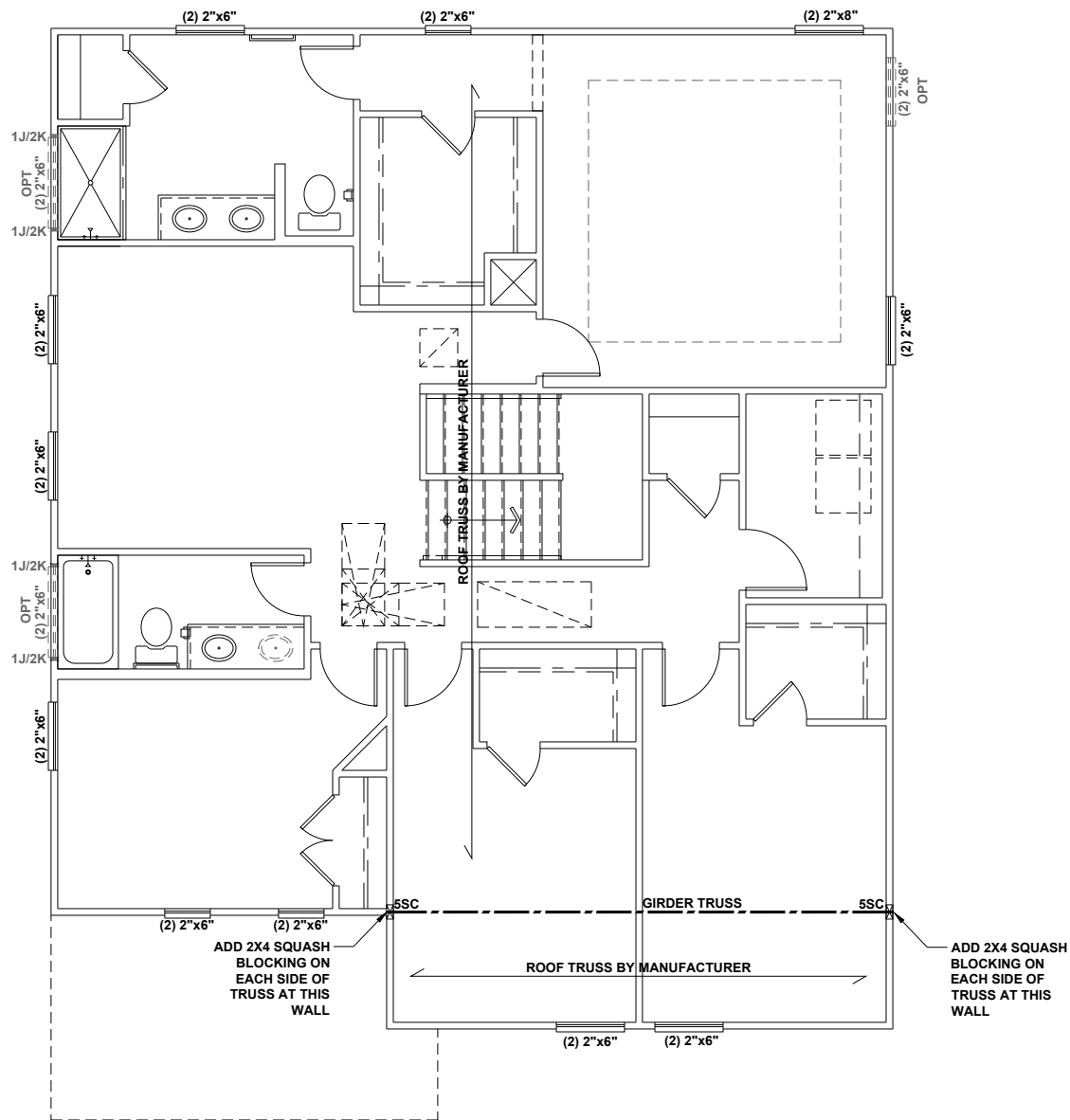


FIRST FLOOR CEILING FRAMING PLAN - 'A'

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

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SECOND FLOOR INTERIOR  
OPTIONS DO NOT AFFECT THE  
STRUCTURAL LAYOUT



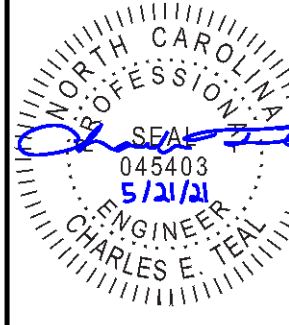
BEAM & POINT LOAD LEGEND	
	INTERIOR LOAD BEARING WALL
	ROOF RAFTER / TRUSS SUPPORT
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	STRUCTURAL BEAM / GIRDER
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	POINT LOAD TRANSFER
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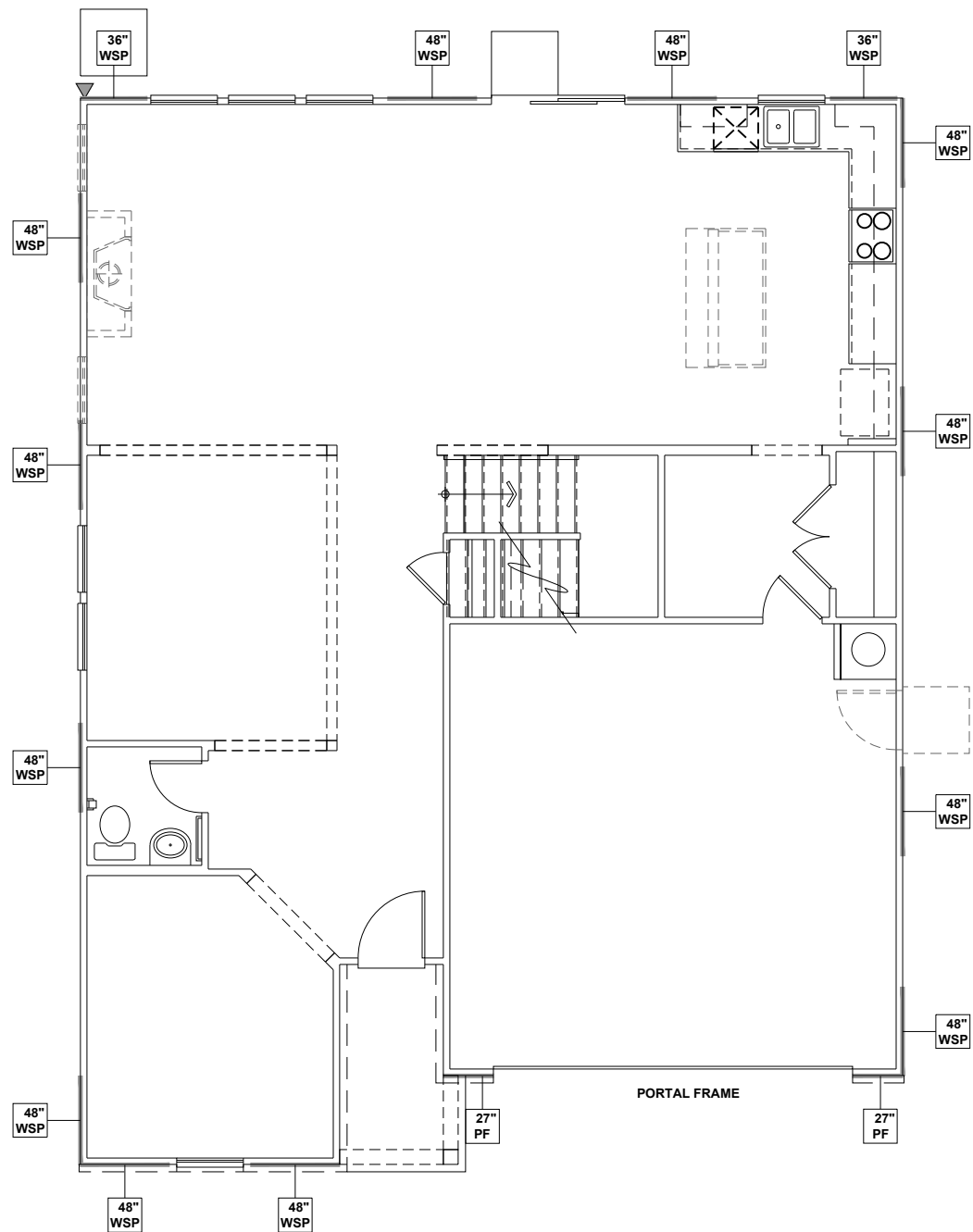
PROJECT NO.: 21901129  
DATE: 05/19/2021

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237.2723

SECOND FLOOR  
CEILING FRAMING PLAN  
**S2.0A**

**SECOND FLOOR CEILING FRAMING PLAN - 'A'**  
SCALE: 1/8"=1'-0"

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**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.

SCALED LENGTH OF WALL PANEL AT LOCATION

24" WSP  
 NUMERICAL LENGTH OF PANEL  
 PANEL TYPE

**ENGINEERED WALL SCHEDULE**

ENG1: CONTINUOUSLY SHEATH WITH 7/16" OSB ATTACHED WITH 8d NAILS @ 6" OC EDGE AND 12" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG2: CONTINUOUSLY SHEATH WITH 7/16" OSB WITH 10d NAILS @ 3" OC EDGE AND 3" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG3: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED BOTH SIDES WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG4: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

**WALL BRACING NOTE:**

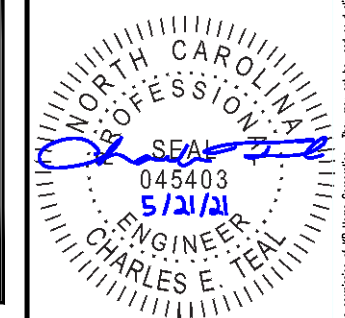
WALLS WITH PROVIDED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCRC. THESE WALLS HAVE BEEN ENGINEERED BASED ON DESIGN GUIDELINES ESTABLISHED IN ASCE-07 AND THE NDS: WIND & SEISMIC PROVISIONS SUPPLEMENT.

**WALL BRACING: RECTANGLE 1**

SIDE	REQUIRED LENGTH	PROVIDED LENGTH
FRONT	13.5 FT.	17.0 FT.
RIGHT	11.0 FT.	16.0 FT.
REAR	13.5 FT.	14.0 FT.
LEFT	11.0 FT.	16.0 FT.



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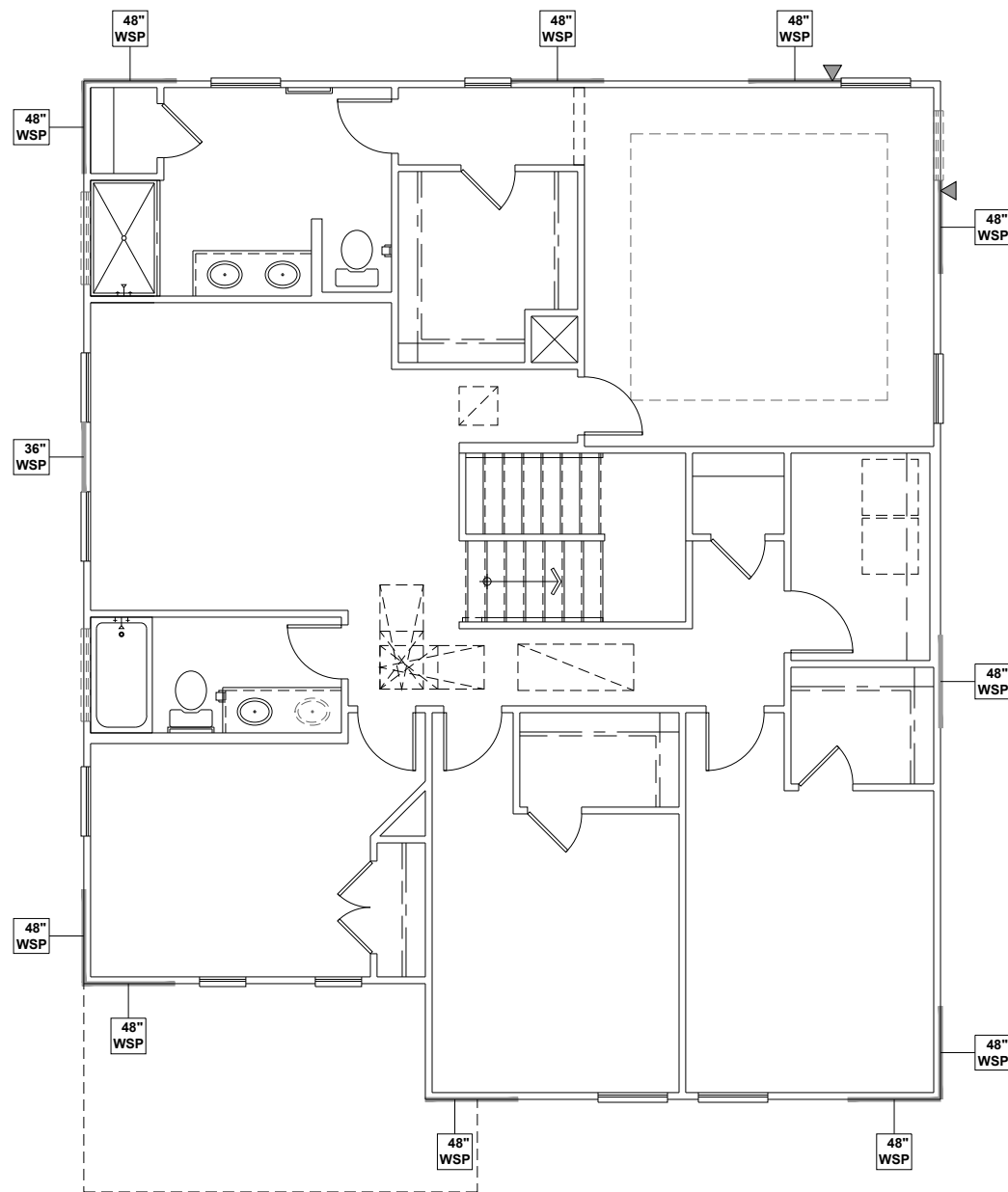
PLAN:  
237.2723

FIRST FLOOR  
WALL BRACING PLAN  
**S4.0A**

**FIRST FLOOR WALL BRACING PLAN - 'A'**  
SCALE: 1/8"=1'-0"

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**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.
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SCALED LENGTH OF WALL PANEL AT LOCATION

24" WSP

NUMERICAL LENGTH OF PANEL

PANEL TYPE

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**WALL BRACING NOTE:**

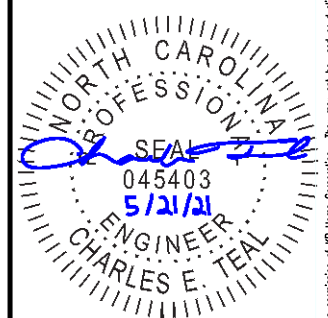
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**WALL BRACING: RECTANGLE 1**

SIDE	REQUIRED LENGTH	PROVIDED LENGTH
FRONT	6.0 FT.	12.0 FT.
RIGHT	6.0 FT.	12.0 FT.
REAR	6.0 FT.	12.0 FT.
LEFT	6.0 FT.	11.0 FT.



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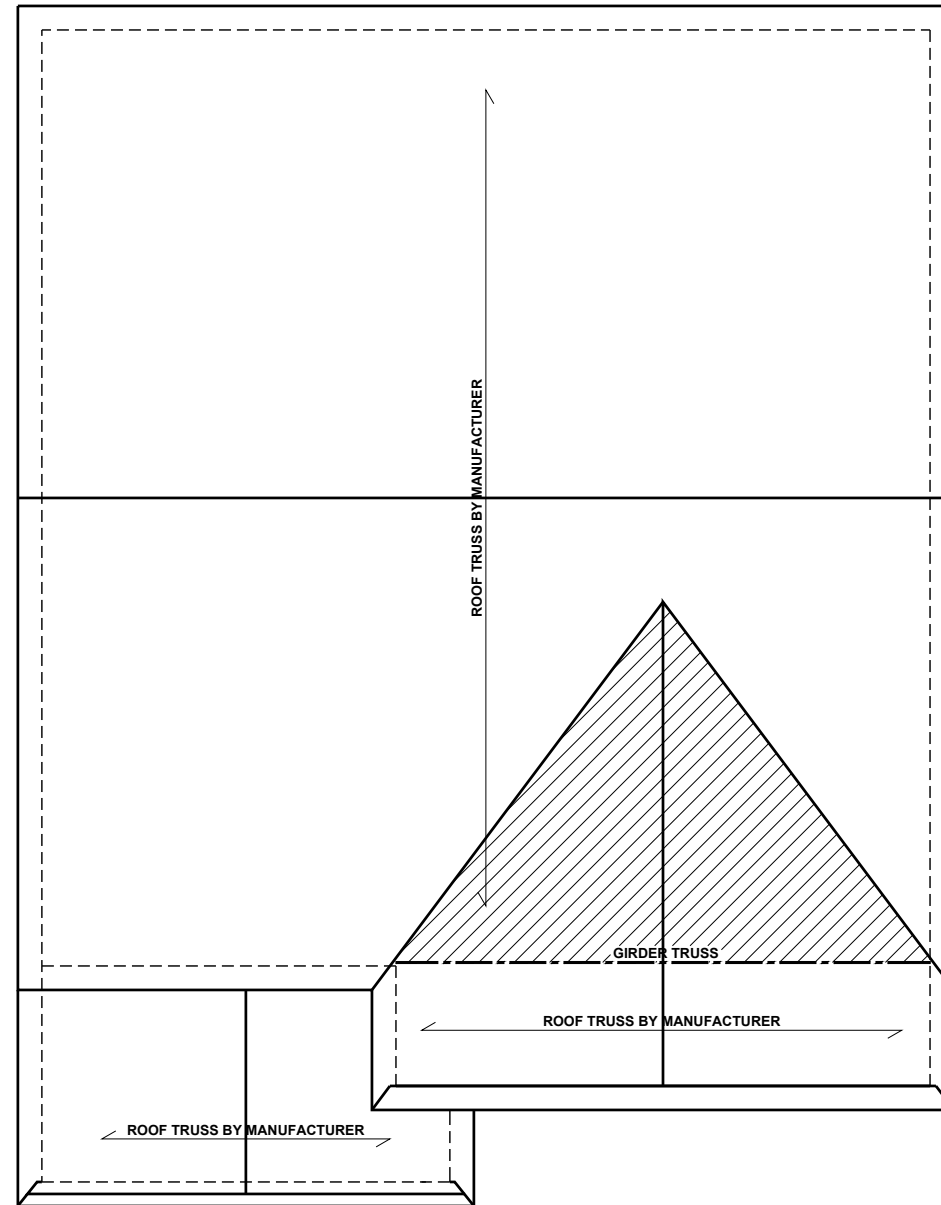
PLAN:  
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SECOND FLOOR  
WALL BRACING PLAN

**S5.0A**

**SECOND FLOOR WALL BRACING PLAN - 'A'**  
SCALE: 1/8"=1'-0"

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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

- 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.

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

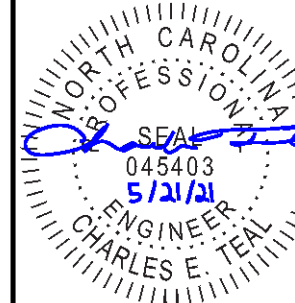
TRUSSES SHALL BE ATTACHED TO SUPPORT WALL FOR UPLIFT RESISTANCE. CONTINUOUS OSB WALL SHEATHING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES SUPPORTED BY INTERMEDIATE SUPPORT WALLS, KNEEWALLS, OR BEAMS SHALL BE ATTACHED TO SUPPORTING MEMBER PER SCHEDULE:

ROOF SPAN IS MEASURED HORIZONTALLY BETWEEN FURTHEST SUPPORT POINTS.

<b>ROOF PLAN</b> UP TO 28'	<b>CONNECTOR</b> 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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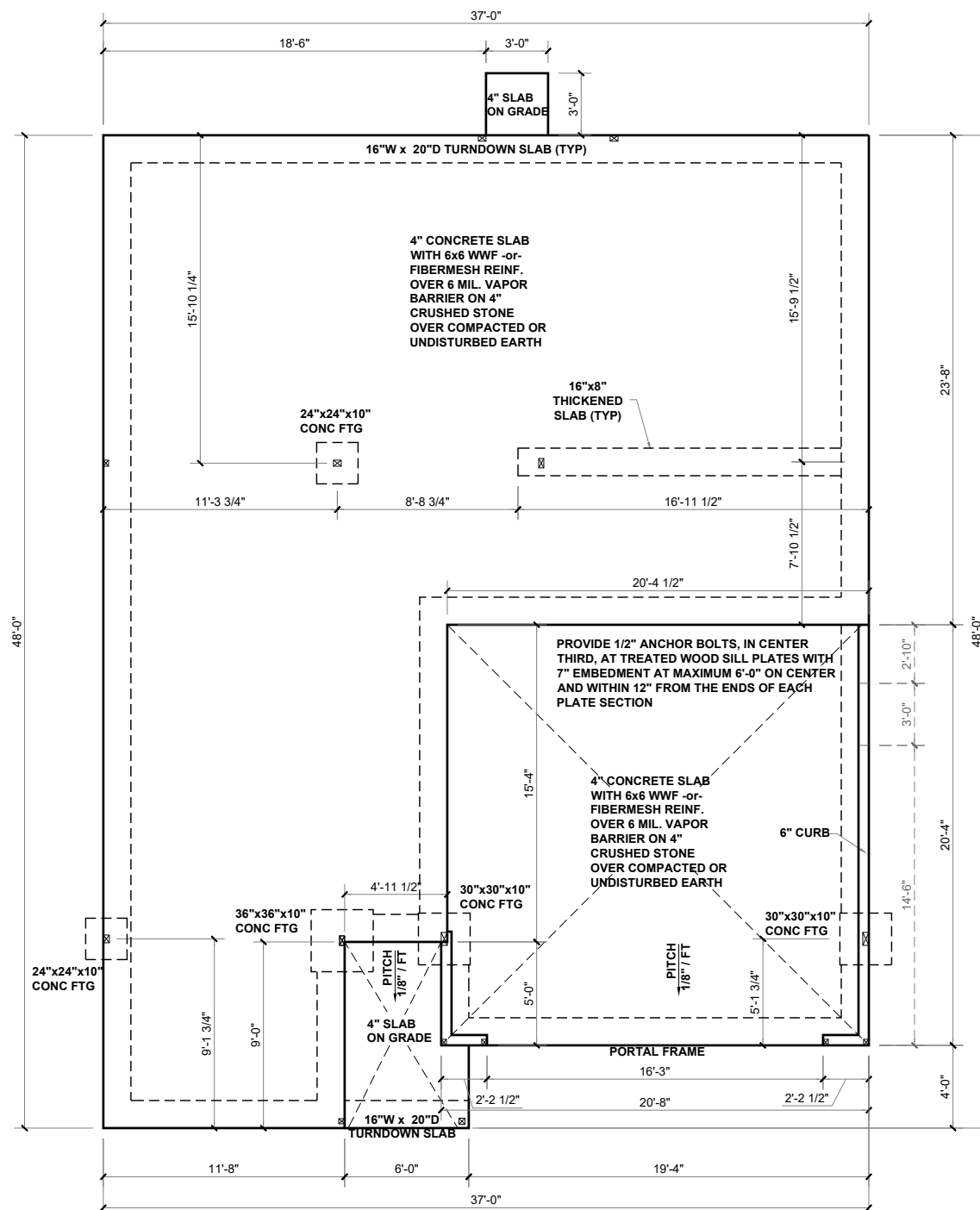
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PLAN:  
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ROOF FRAMING PLAN  
**S7.0A**

**ROOF FRAMING PLAN - 'A'**  
SCALE: 1/8"=1'-0"

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

**BEAM & POINT LOAD LEGEND**

	INTERIOR LOAD BEARING WALL
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	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)

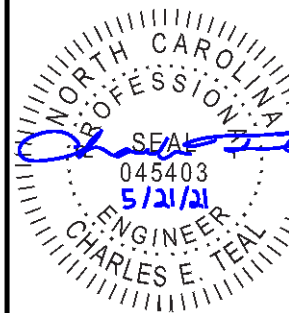
ALL CONCRETE CURBS SUPPORTING PORTAL FRAMED OR ENGINEERED OPENINGS IN GARAGES WITH A PONY WALL OVER 24" ABOVE THE GARAGE DOOR HEADER SHALL BE REQUIRED TO BE AT LEAST 8" WIDE.

**CONCRETE SLAB REINFORCING SUBSTITUTION OF SYNTHETIC FIBER MIX IN LIEU OF WWF IN NON STRUCTURAL SLABS:**

- NO SUBSTITUTION ALLOWED IN SLABS INSTALLED ON RAISED METAL DECKING
- NO SUBSTITUTION ALLOWED IN SLABS WITH GRADE BEAMS UNLESS A REBAR MAT IS INSTALLED
- NO SUBSTITUTION ALLOWED IF ANY SOILS HAVE BEEN FOUND TO BE EXPANSIVE SOILS ON SITE
- NO SUBSTITUTION ALLOWED FOR SLAB POURS DIRECTLY ON GRADE; A 4" BASE MATERIAL OF CRUSHED STONE OR WELL DRAINING CLEAN SAND IS REQUIRED FOR SUBSTITUTION
- NO SUBSTITUTION ALLOWED FOR ANY SITES WITH A DCP BLOW COUNT OF 10 OR LESS.
- FIBER MIX VOLUMES MUST BE FOLLOWED PER THE MANUFACTURES SPECIFICATIONS



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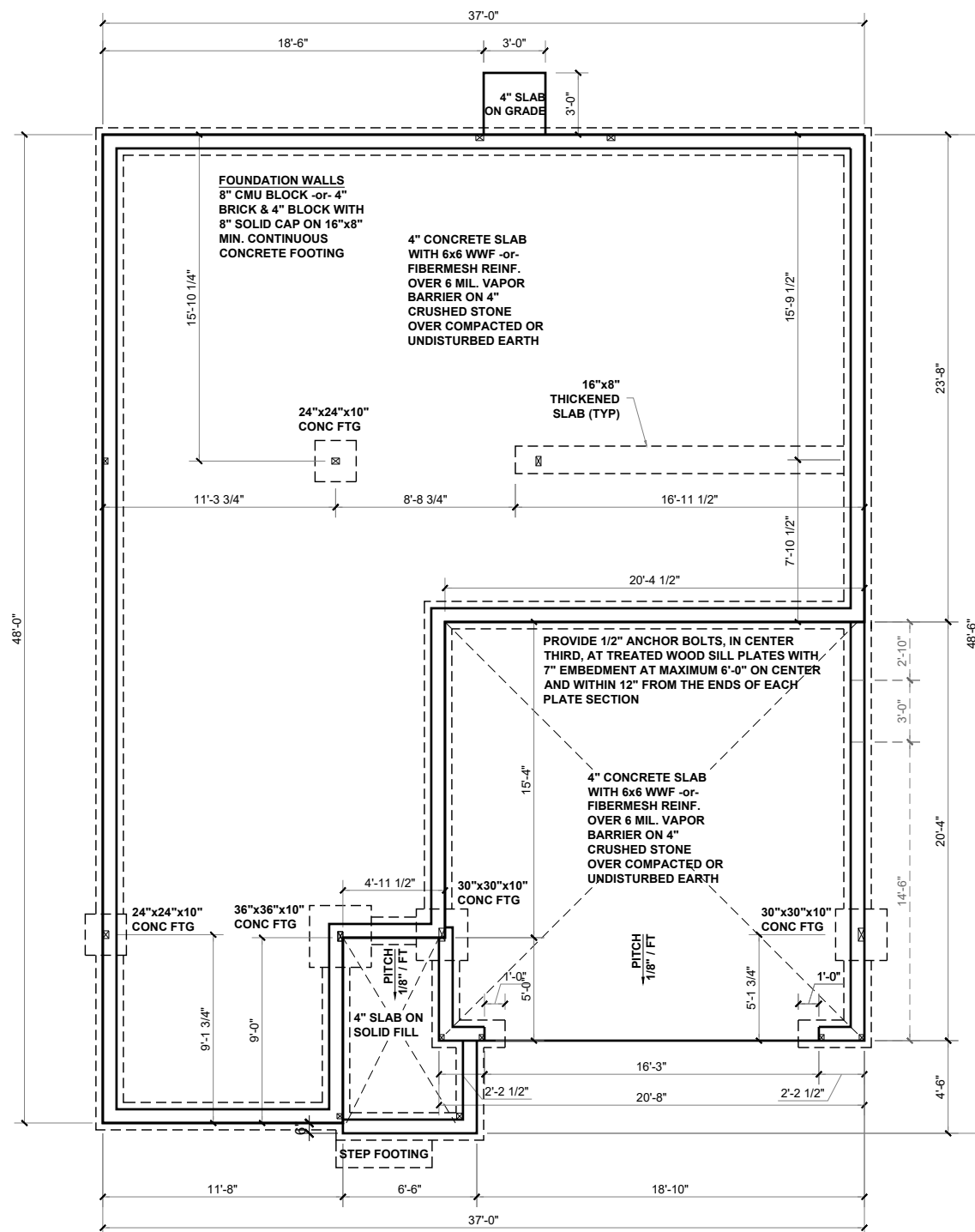
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DATE: 05/19/2021

PLAN:  
**237.2723**

SLAB  
FOUNDATION PLAN  
**S.10B**

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**STEMWALL FOUNDATION PLAN - 'B'**  
SCALE: 1/8"=1'-0"

**BEAM & POINT LOAD LEGEND**

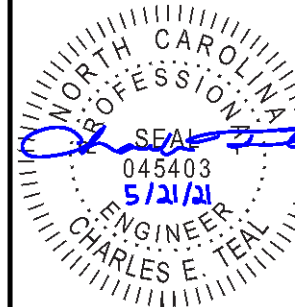
	INTERIOR LOAD BEARING WALL
	ROOF RAFTER / TRUSS SUPPORT
	DOUBLE RAFTER / DOUBLE JOIST
	STRUCTURAL BEAM / GIRDER
	WINDOW / DOOR HEADER
	POINT LOAD TRANSFER
	POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

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

- CONCRETE SLAB REINFORCING SUBSTITUTION OF SYNTHETIC FIBER MIX IN LIEU OF WWF IN NON STRUCTURAL SLABS:**
- NO SUBSTITUTION ALLOWED IN SLABS INSTALLED ON RAISED METAL DECKING
  - NO SUBSTITUTION ALLOWED IN SLABS WITH GRADE BEAMS UNLESS A REBAR MAT IS INSTALLED
  - NO SUBSTITUTION ALLOWED IF ANY SOILS HAVE BEEN FOUND TO BE EXPANSIVE SOILS ON SITE
  - NO SUBSTITUTION ALLOWED FOR SLAB POURS DIRECTLY ON GRADE; A 4" BASE MATERIAL OF CRUSHED STONE OR WELL DRAINING CLEAN SAND IS REQUIRED FOR SUBSTITUTION
  - NO SUBSTITUTION ALLOWED FOR ANY SITES WITH A DCP BLOW COUNT OF 10 OR LESS.
  - FIBER MIX VOLUMES MUST BE FOLLOWED PER THE MANUFACTURES SPECIFICATIONS



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P-0961

JDS Consulting, PLLC HAS PERFORMED A STRUCTURAL REVIEW OF THESE PLANS. THE STRUCTURAL COMPONENTS COMPLY WITH THE 2018 NORTH CAROLINA RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS FOR NC PLAN REVIEW. DEVIATION OF ANY STRUCTURAL REQUIREMENTS OF THESE PLANS WITHOUT THE APPROVAL OF THE EOR IS PROHIBITED.

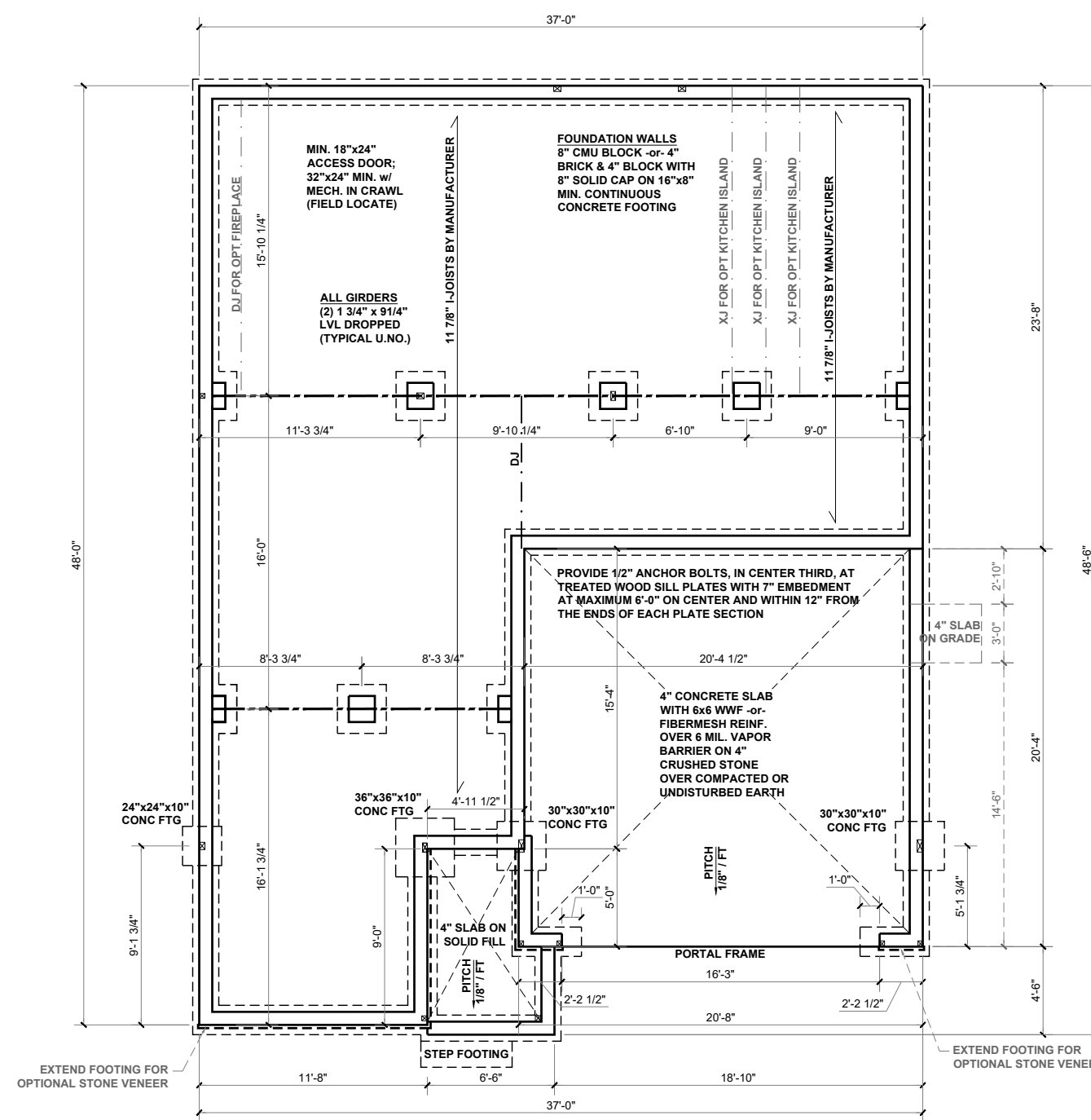


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STEMWALL  
FOUNDATION PLAN  
**S.20B**

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**CRAWL SPACE FOUNDATION PLAN - 'B'**  
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

**FOUNDATION STRUCTURAL NOTES:**

1. CONCRETE BLOCK PIER SIZE SHALL BE:

SIZE	HOLLOW MASONRY	SOLID MASONRY
8x16	UP TO 32" HIGH	UP TO 5'-0" HIGH
12x16	UP TO 48" HIGH	UP TO 9'-0" HIGH
16x16	UP TO 64" HIGH	UP TO 12'-0" HIGH
24x24	UP TO 96" HIGH	

WITH 30" x 30" x 10" CONCRETE FOOTING, UNO.

FLOOR FRAMING TO BE 11 7/8" DEEP TJI 210 SERIES OR EQUAL, 19.2" OC MAXIMUM SPACING

\*\*REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES

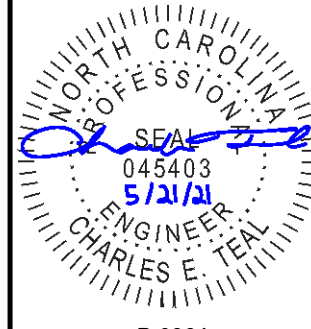
I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

8"x16" PIERS AT FOUNDATION WALL SUPPORTING DROPPED GIRDER TO HAVE A 30"x10"x8" FOOTING PROJECTION FROM THE MAIN WALL FOOTING.

(1) #5 REBAR @ CENTER OF ALL PERIMETER FOOTINGS. (2" C.C. MIN)



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PLAN:  
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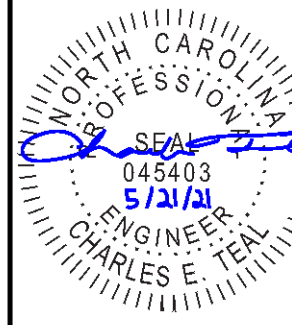
CRAWL SPACE  
FOUNDATION PLAN

**S.30B**

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FIRST FLOOR  
CEILING FRAMING PLAN

S1.0B

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).

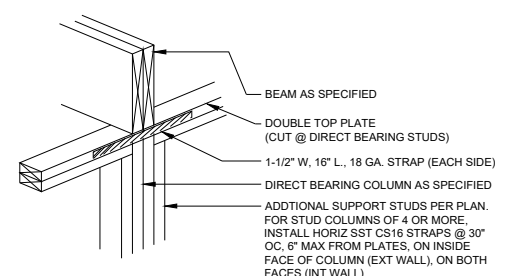
ALL FLUSH BEAMS TO BE DIRECTLY SUPPORTED BY (2) 2X STUDS UNLESS OTHERWISE NOTED. STUD COLUMNS TO BE SUPPORTED BY SOLID BLOCKING TO FOUNDATION OR TO BEARING COMPONENT BELOW.

I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

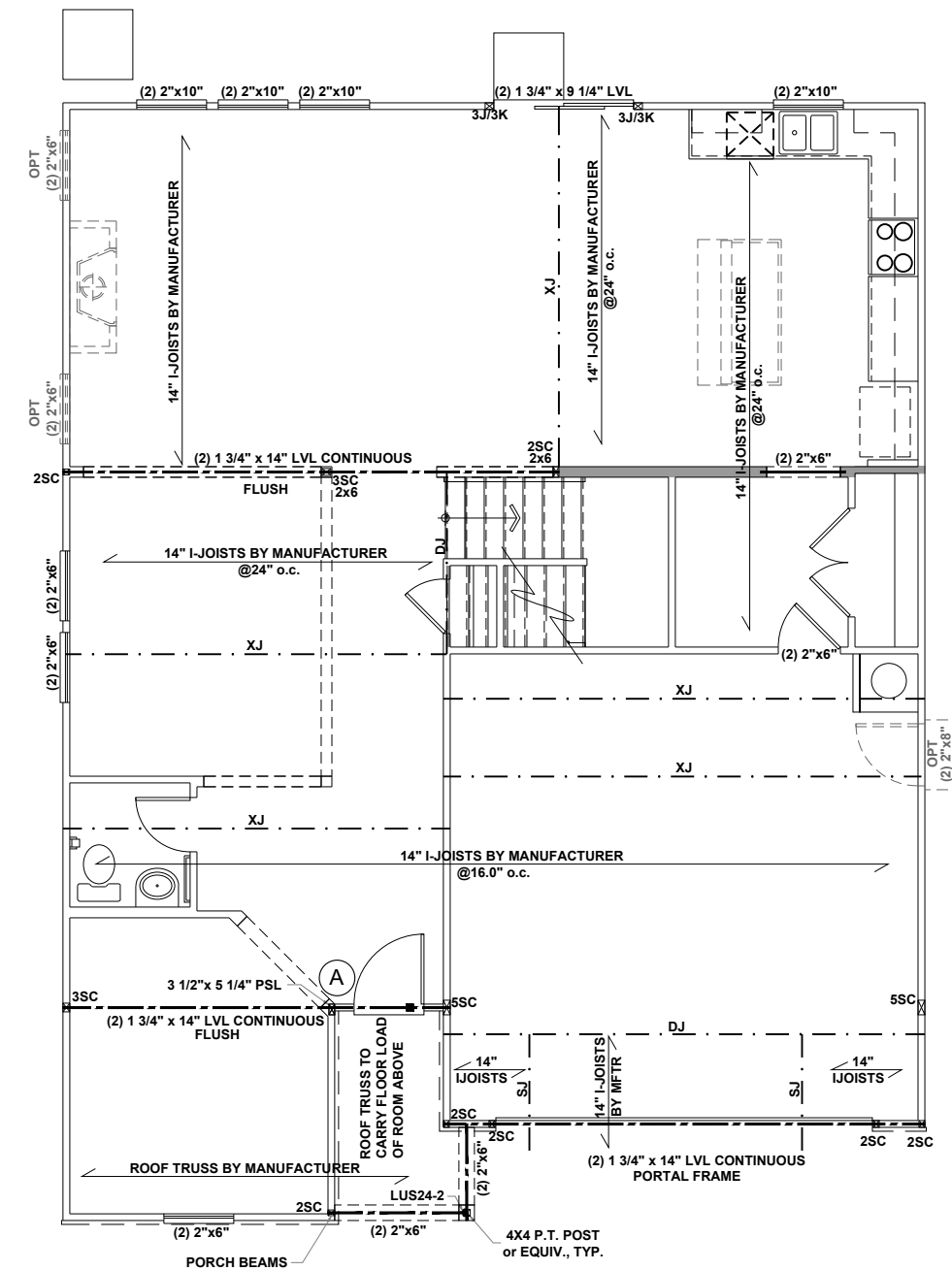
\*\*REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES

FLOOR FRAMING TO BE 14" DEEP TJI 210 SERIES OR EQUAL, 19.2" OC MAXIMUM SPACING, U.N.O.

INTERIOR OPTIONS DO NOT AFFECT THE STRUCTURAL LAYOUT



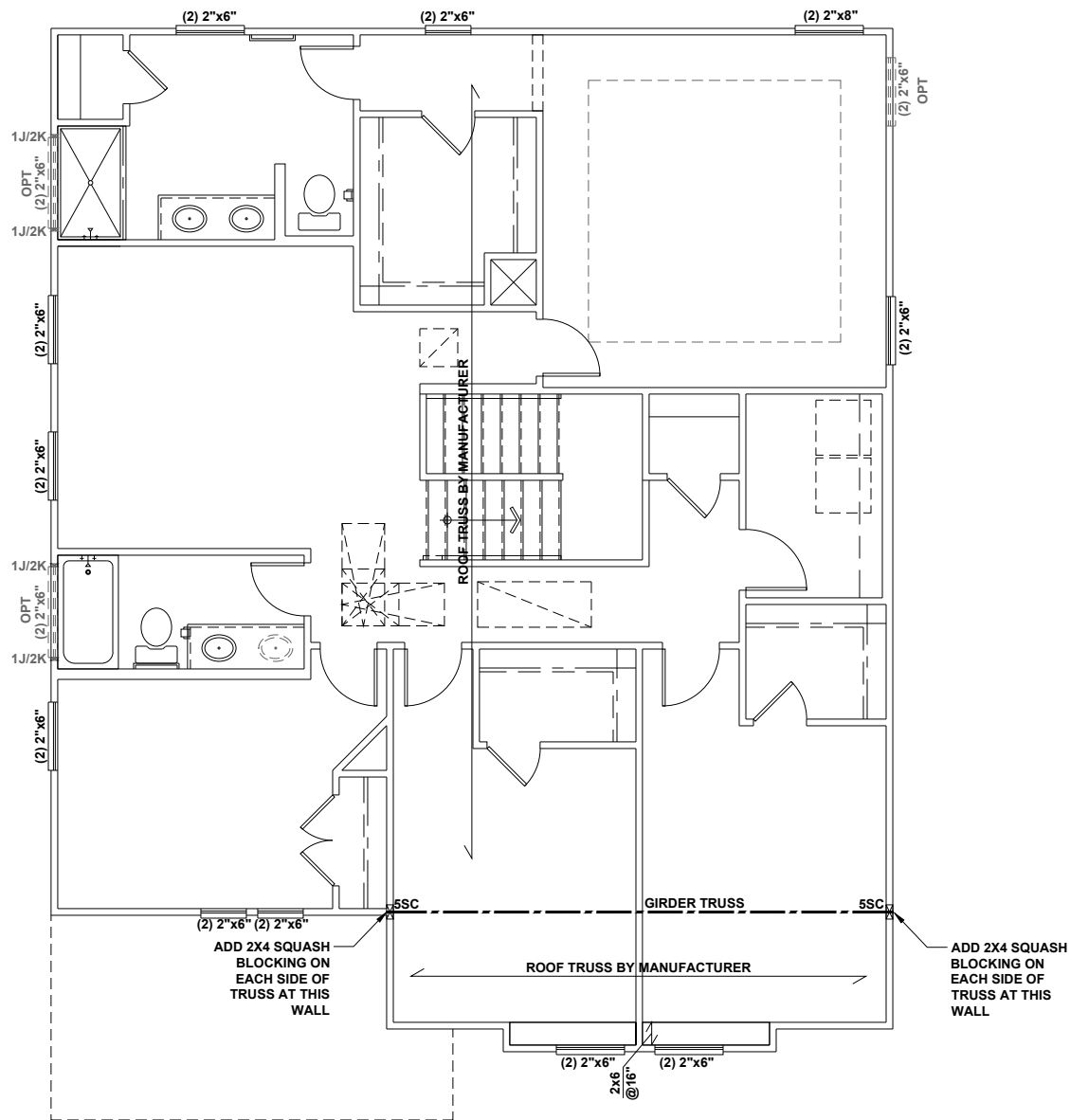
A DIRECT STUD BEARING  
NTS



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

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SECOND FLOOR INTERIOR  
OPTIONS DO NOT AFFECT THE  
STRUCTURAL LAYOUT



**BEAM & POINT LOAD LEGEND**

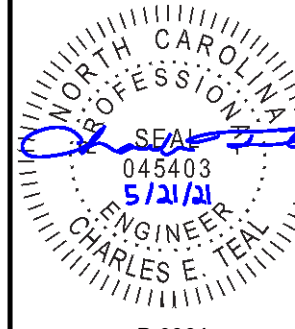
	INTERIOR LOAD BEARING WALL
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  - EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.
  - ALL NON-BEARING HEADERS TO BE (2) 2x4 (1) J / (1) K, UNO.
  - PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
  - ALL HANGERS AND CONNECTORS SPECIFIED ARE TO BE SIMPSON STRONG-TIE OR EQUIVALENT.
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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.



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P-0961

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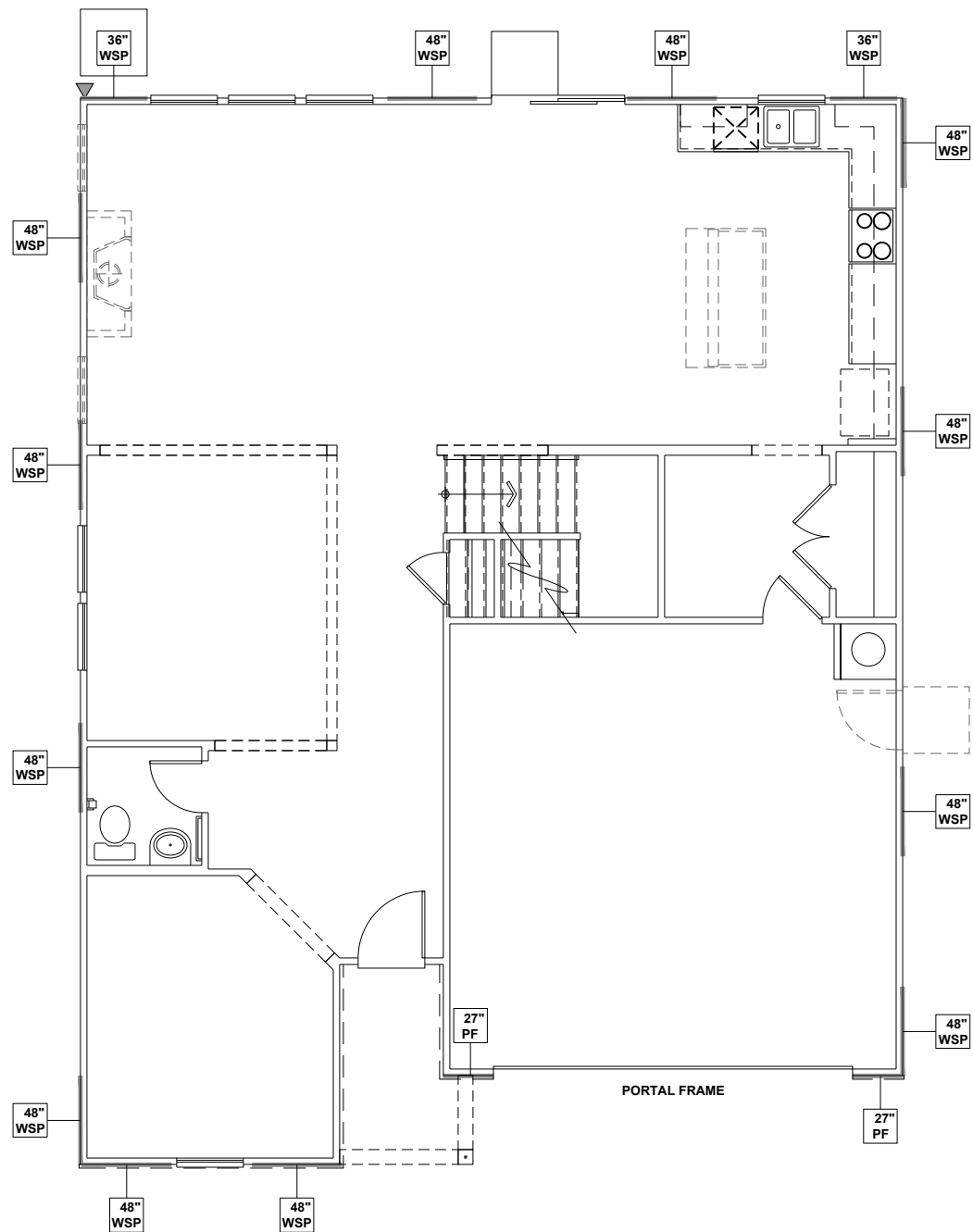
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PLAN:  
**237.2723**

SECOND FLOOR  
CEILING FRAMING PLAN  
**S2.0B**

**SECOND FLOOR CEILING FRAMING PLAN - 'B'**  
SCALE: 1/8"=1'-0"

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**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.

SCALED LENGTH OF WALL PANEL AT LOCATION

24"  
WSP  
NUMERICAL LENGTH OF PANEL  
PANEL TYPE

**ENGINEERED WALL SCHEDULE**

ENG1: CONTINUOUSLY SHEATH WITH 7/16" OSB ATTACHED WITH 8d NAILS @ 6" OC EDGE AND 12" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG2: CONTINUOUSLY SHEATH WITH 7/16" OSB WITH 10d NAILS @ 3" OC EDGE AND 3" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG3: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED BOTH SIDES WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG4: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

**WALL BRACING NOTE:**

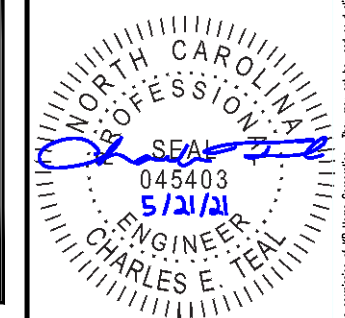
WALLS WITH PROVIDED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCRC. THESE WALLS HAVE BEEN ENGINEERED BASED ON DESIGN GUIDELINES ESTABLISHED IN ASCE-07 AND THE NDS: WIND & SEISMIC PROVISIONS SUPPLEMENT.

**WALL BRACING: RECTANGLE 1**

SIDE	REQUIRED LENGTH	PROVIDED LENGTH
FRONT	13.5 FT.	17.0 FT.
RIGHT	11.0 FT.	16.0 FT.
REAR	13.5 FT.	14.0 FT.
LEFT	11.0 FT.	16.0 FT.



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P-0961

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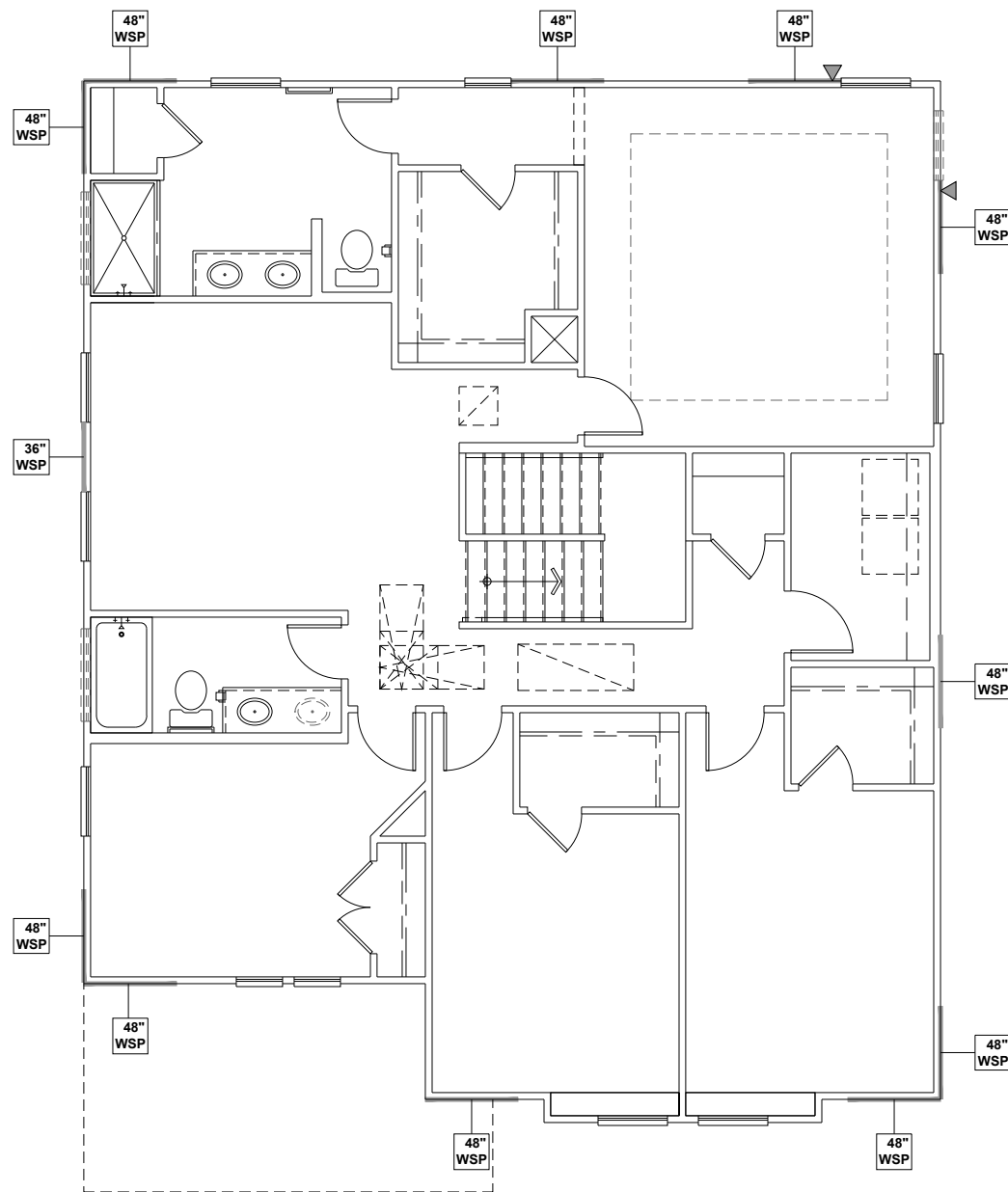
FIRST FLOOR  
WALL BRACING PLAN

**S4.0B**

**FIRST FLOOR WALL BRACING PLAN - 'B'**  
SCALE: 1/8"=1'-0"

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**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.
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SCALED LENGTH OF WALL PANEL AT LOCATION

24" WSP

NUMERICAL LENGTH OF PANEL

PANEL TYPE

**ENGINEERED WALL SCHEDULE**

ENG1: CONTINUOUSLY SHEATH WITH 7/16" OSB ATTACHED WITH 8d NAILS @ 6" OC EDGE AND 12" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

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ENG3: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED BOTH SIDES WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

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**WALL BRACING NOTE:**

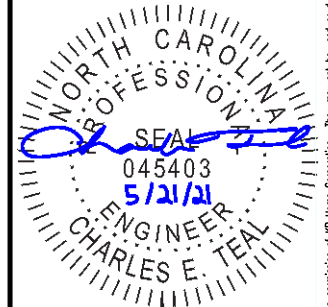
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**WALL BRACING: RECTANGLE 1**

SIDE	REQUIRED LENGTH	PROVIDED LENGTH
FRONT	6.0 FT.	12.0 FT.
RIGHT	6.0 FT.	12.0 FT.
REAR	6.0 FT.	12.0 FT.
LEFT	6.0 FT.	11.0 FT.



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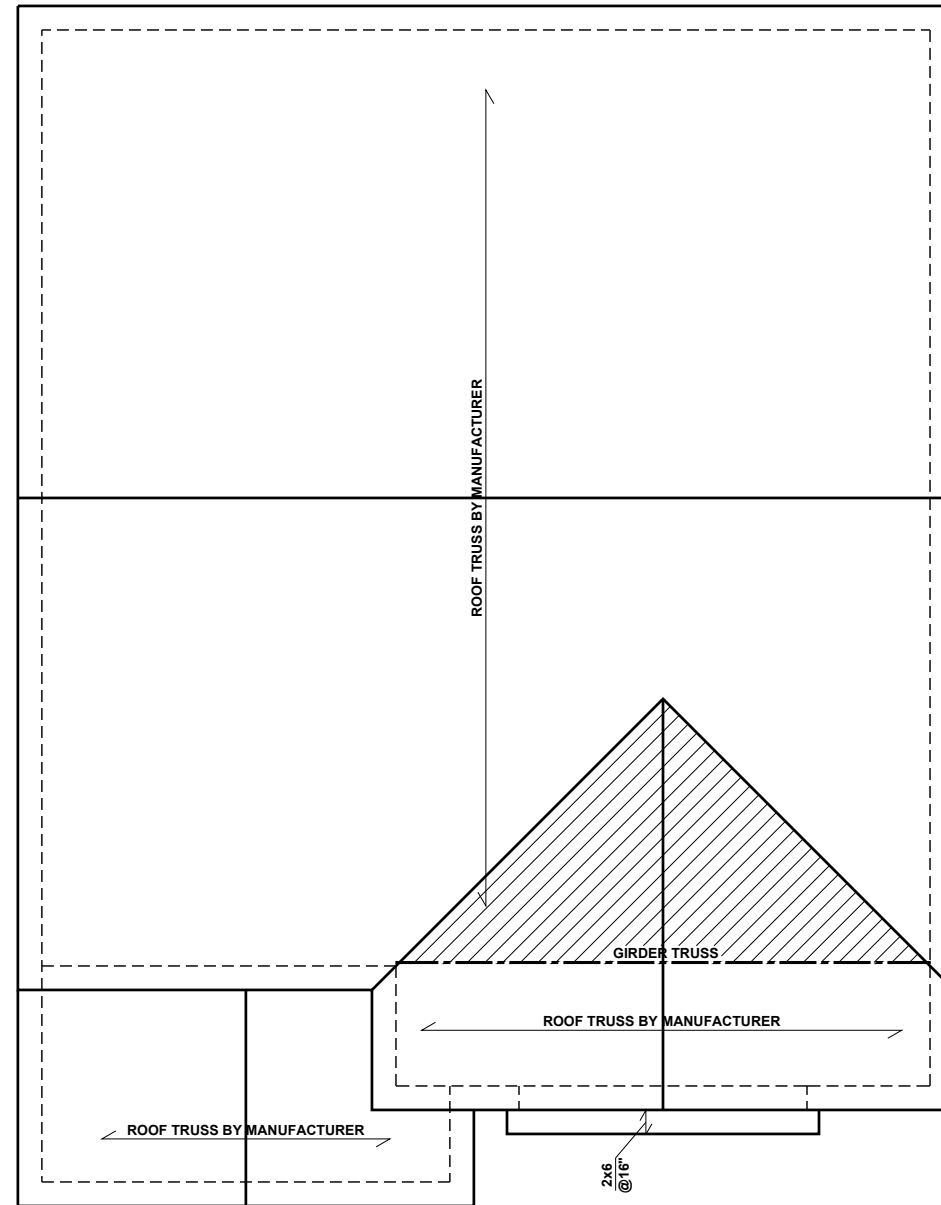
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SECOND FLOOR  
WALL BRACING PLAN  
**S5.0B**

**SECOND FLOOR WALL BRACING PLAN - 'B'**  
SCALE: 1/8"=1'-0"

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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

- TRUSSED ROOF - STRUCTURAL NOTES**
1. PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
  2. DENOTES OVER-FRAMED AREA
  3. MINIMUM 7/16" OSB ROOF SHEATHING
  4. 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.
  5. MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTION.
  6. PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH TRUSS-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.
  7. UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.

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

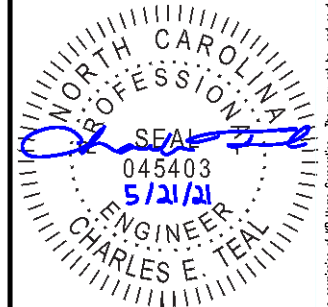
TRUSSES SHALL BE ATTACHED TO SUPPORT WALL FOR UPLIFT RESISTANCE. CONTINUOUS OSB WALL SHEATHING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES SUPPORTED BY INTERMEDIATE SUPPORT WALLS, KNEEWALLS, OR BEAMS SHALL BE ATTACHED TO SUPPORTING MEMBER PER SCHEDULE:

ROOF SPAN IS MEASURED HORIZONTALLY BETWEEN FURTHEST SUPPORT POINTS.

<b>ROOF PLAN</b>	<b>CONNECTOR</b>
UP TO 28'	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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**P-0961**

JDS Consulting, PLLC HAS PERFORMED A STRUCTURAL REVIEW OF THESE PLANS. THE STRUCTURAL COMPONENTS COMPLY WITH THE 2018 NORTH CAROLINA RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS FOR NC PLAN REVIEW. DEVIATION OF ANY STRUCTURAL REQUIREMENTS OF THESE PLANS WITHOUT THE APPROVAL OF THE EOR IS PROHIBITED.

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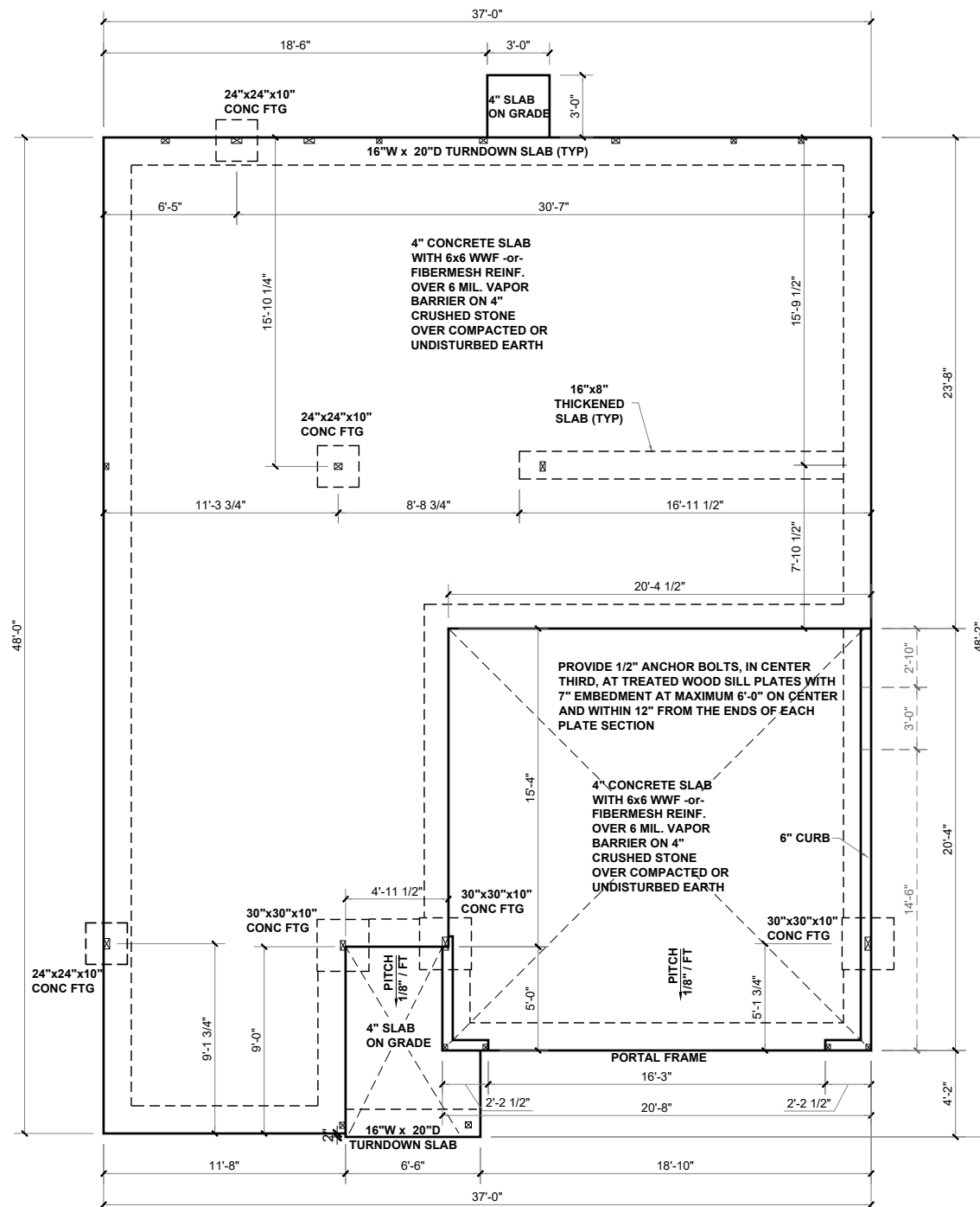
PROJECT NO.: 21901129  
DATE: 05/19/2021

PLAN:  
**237.2723**

ROOF FRAMING PLAN  
**S7.0B**

**ROOF FRAMING PLAN - 'B'**  
SCALE: 1/8"=1'-0"

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**SLAB FOUNDATION 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

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

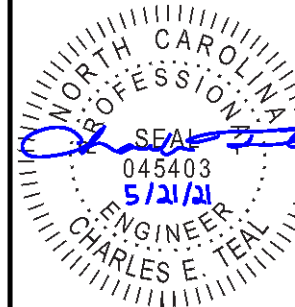
ALL CONCRETE CURBS SUPPORTING PORTAL FRAMED OR ENGINEERED OPENINGS IN GARAGES WITH A PONY WALL OVER 24" ABOVE THE GARAGE DOOR HEADER SHALL BE REQUIRED TO BE AT LEAST 8" WIDE.

**CONCRETE SLAB REINFORCING SUBSTITUTION OF SYNTHETIC FIBER MIX IN LIEU OF WWF IN NON STRUCTURAL SLABS:**

- NO SUBSTITUTION ALLOWED IN SLABS INSTALLED ON RAISED METAL DECKING
- NO SUBSTITUTION ALLOWED IN SLABS WITH GRADE BEAMS UNLESS A REBAR MAT IS INSTALLED
- NO SUBSTITUTION ALLOWED IF ANY SOILS HAVE BEEN FOUND TO BE EXPANSIVE SOILS ON SITE
- NO SUBSTITUTION ALLOWED FOR SLAB POURS DIRECTLY ON GRADE; A 4" BASE MATERIAL OF CRUSHED STONE OR WELL DRAINING CLEAN SAND IS REQUIRED FOR SUBSTITUTION
- NO SUBSTITUTION ALLOWED FOR ANY SITES WITH A DCP BLOW COUNT OF 10 OR LESS.
- FIBER MIX VOLUMES MUST BE FOLLOWED PER THE MANUFACTURES SPECIFICATIONS



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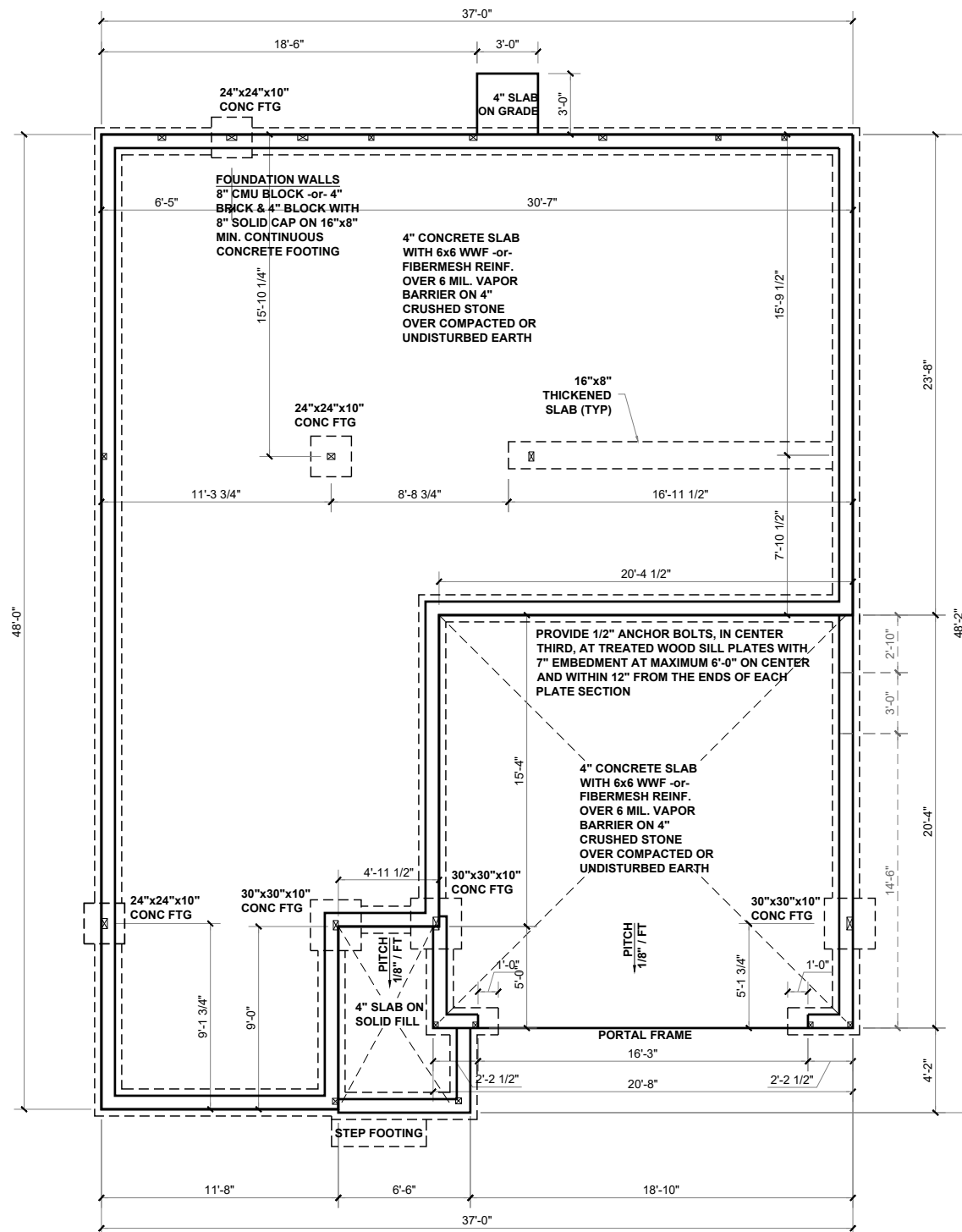
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DATE: 05/19/2021

PLAN:  
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SLAB  
FOUNDATION PLAN  
**S.10C**

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# STEMWALL FOUNDATION 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

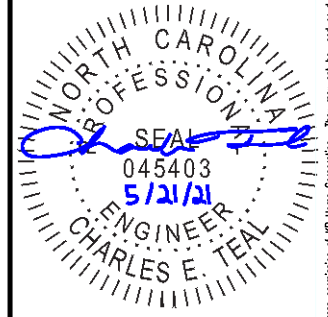
(1) #5 REBAR @ CENTER OFF ALL PERIMETER AND INTERNAL LOAD BEARING FOOTINGS. (2" C.C. MIN)

**CONCRETE SLAB REINFORCING SUBSTITUTION OF SYNTHETIC FIBER MIX IN LIEU OF WWF IN NON STRUCTURAL SLABS:**

- NO SUBSTITUTION ALLOWED IN SLABS INSTALLED ON RAISED METAL DECKING
- NO SUBSTITUTION ALLOWED IN SLABS WITH GRADE BEAMS UNLESS A REBAR MAT IS INSTALLED
- NO SUBSTITUTION ALLOWED IF ANY SOILS HAVE BEEN FOUND TO BE EXPANSIVE SOILS ON SITE
- NO SUBSTITUTION ALLOWED FOR SLAB POURS DIRECTLY ON GRADE; A 4" BASE MATERIAL OF CRUSHED STONE OR WELL DRAINING CLEAN SAND IS REQUIRED FOR SUBSTITUTION
- NO SUBSTITUTION ALLOWED FOR ANY SITES WITH A DCP BLOW COUNT OF 10 OR LESS.
- FIBER MIX VOLUMES MUST BE FOLLOWED PER THE MANUFACTURES SPECIFICATIONS



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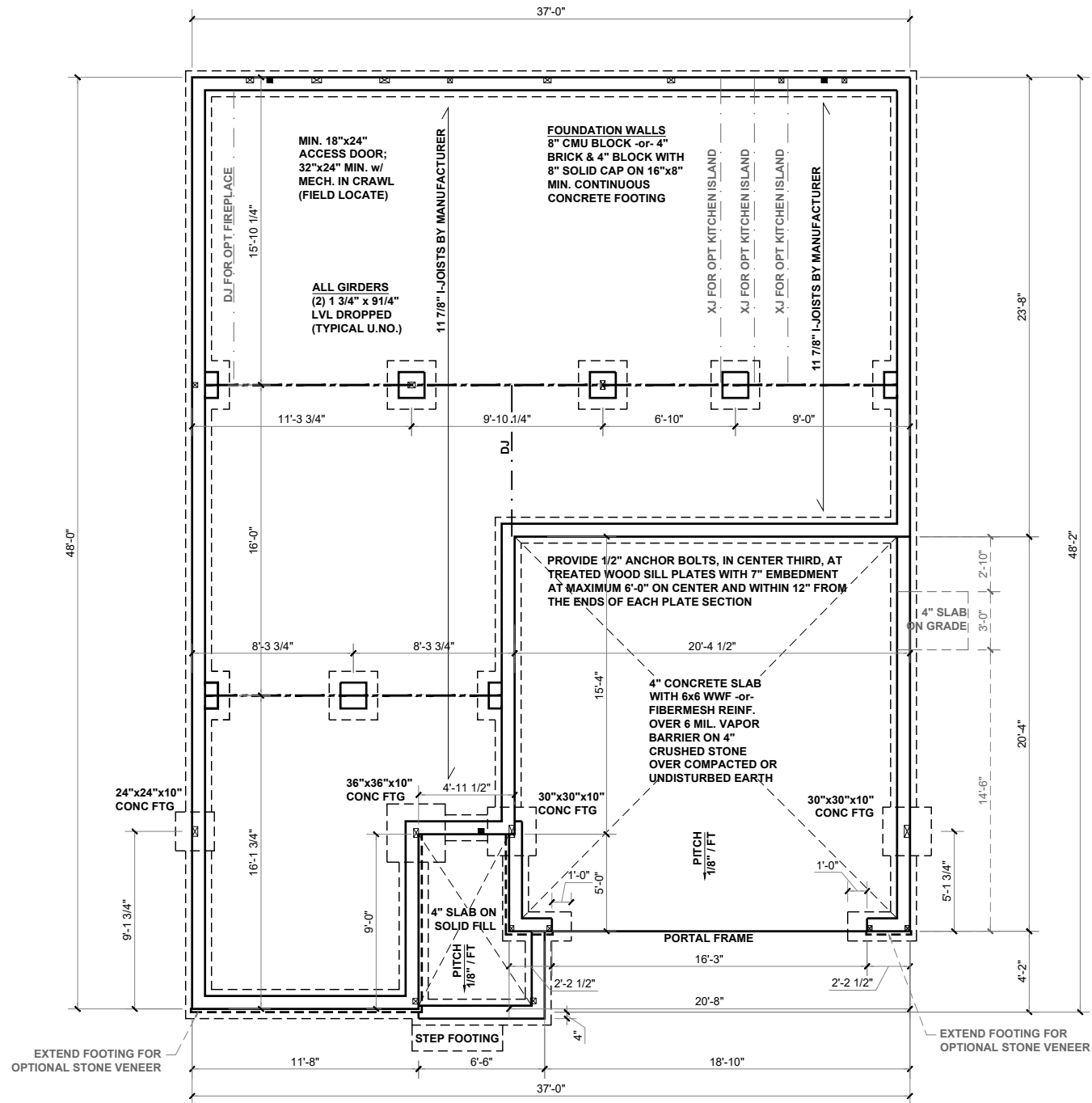


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PLAN:  
**237.2723**

STEMWALL  
FOUNDATION PLAN  
**S.20C**

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# CRAWL SPACE FOUNDATION 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

**FOUNDATION STRUCTURAL NOTES:**

1. CONCRETE BLOCK PIER SIZE SHALL BE:

SIZE	HOLLOW MASONRY	SOLID MASONRY
8x16	UP TO 32" HIGH	UP TO 5'-0" HIGH
12x16	UP TO 48" HIGH	UP TO 9'-0" HIGH
16x16	UP TO 64" HIGH	UP TO 12'-0" HIGH
24x24	UP TO 96" HIGH	

WITH 30" x 30" x 10" CONCRETE FOOTING, UNO.

FLOOR FRAMING TO BE 11 7/8" DEEP TJI 210 SERIES OR EQUAL, 19.2" OC MAXIMUM SPACING

\*\*REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES

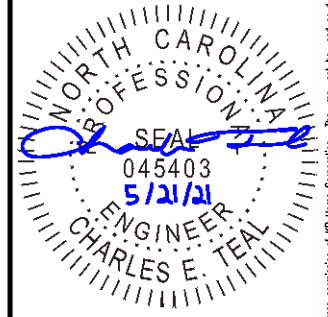
I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

8"x16" PIERS AT FOUNDATION WALL SUPPORTING DROPPED GIRDER TO HAVE A 30"x10"x8" FOOTING PROJECTION FROM THE MAIN WALL FOOTING.

(1) #5 REBAR @ CENTER OF ALL PERIMETER FOOTINGS. (2" C.C. MIN)



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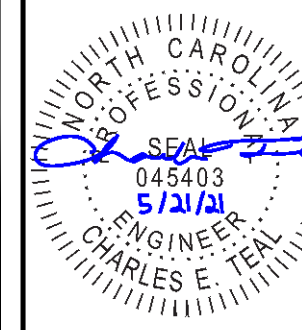
CRAWL SPACE  
FOUNDATION PLAN

**S.30C**

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FIRST FLOOR  
CEILING FRAMING PLAN

S1.0C

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).

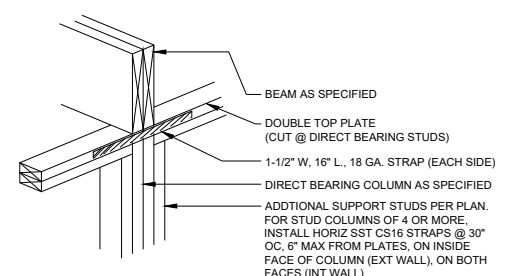
ALL FLUSH BEAMS TO BE DIRECTLY SUPPORTED BY (2) 2X STUDS UNLESS OTHERWISE NOTED. STUD COLUMNS TO BE SUPPORTED BY SOLID BLOCKING TO FOUNDATION OR TO BEARING COMPONENT BELOW.

I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

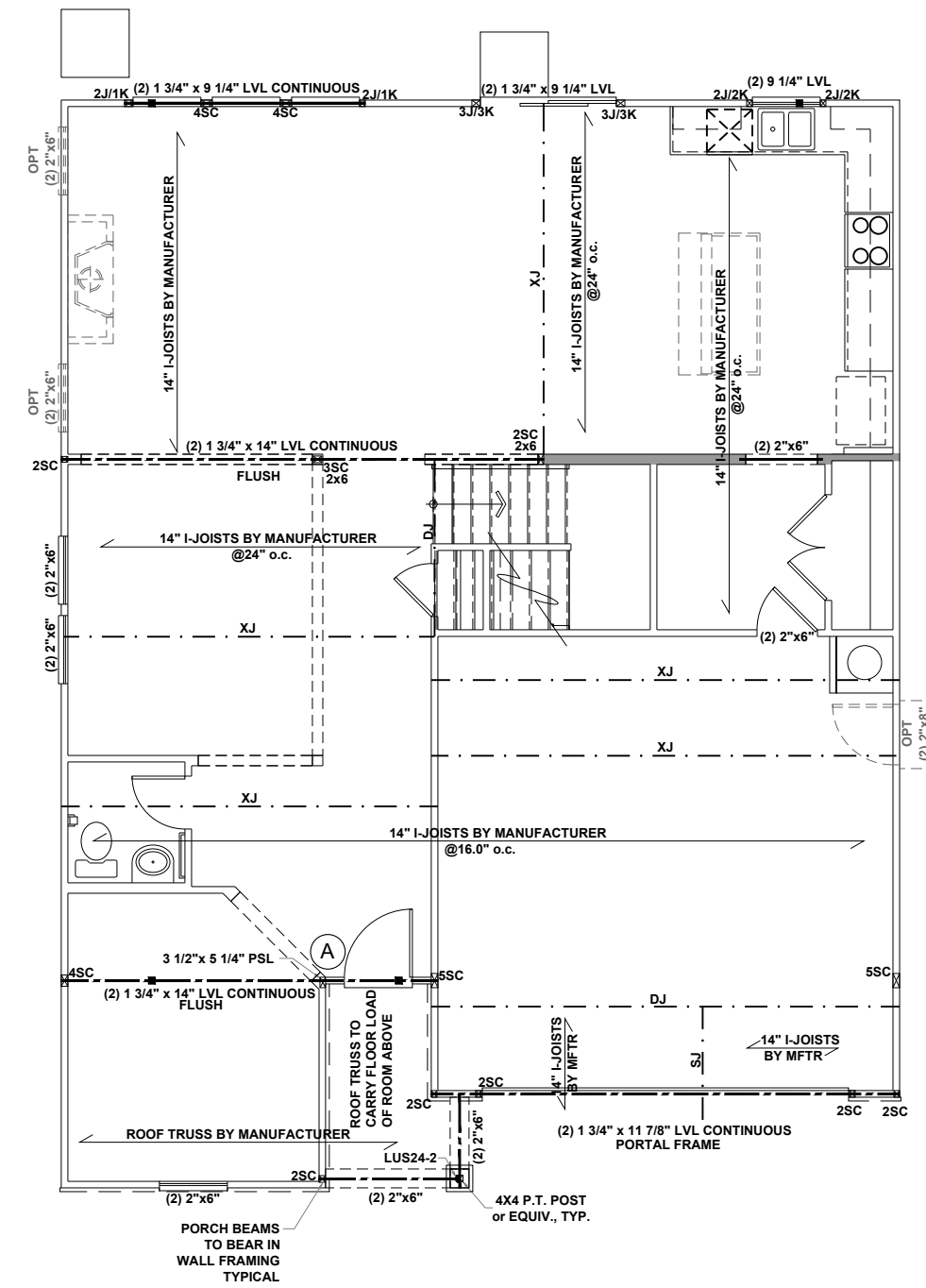
\*\*REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES

FLOOR FRAMING TO BE 14" DEEP TJI 210 SERIES OR EQUAL, 19.2" OC MAXIMUM SPACING, U.N.O.

INTERIOR OPTIONS DO NOT AFFECT THE STRUCTURAL LAYOUT



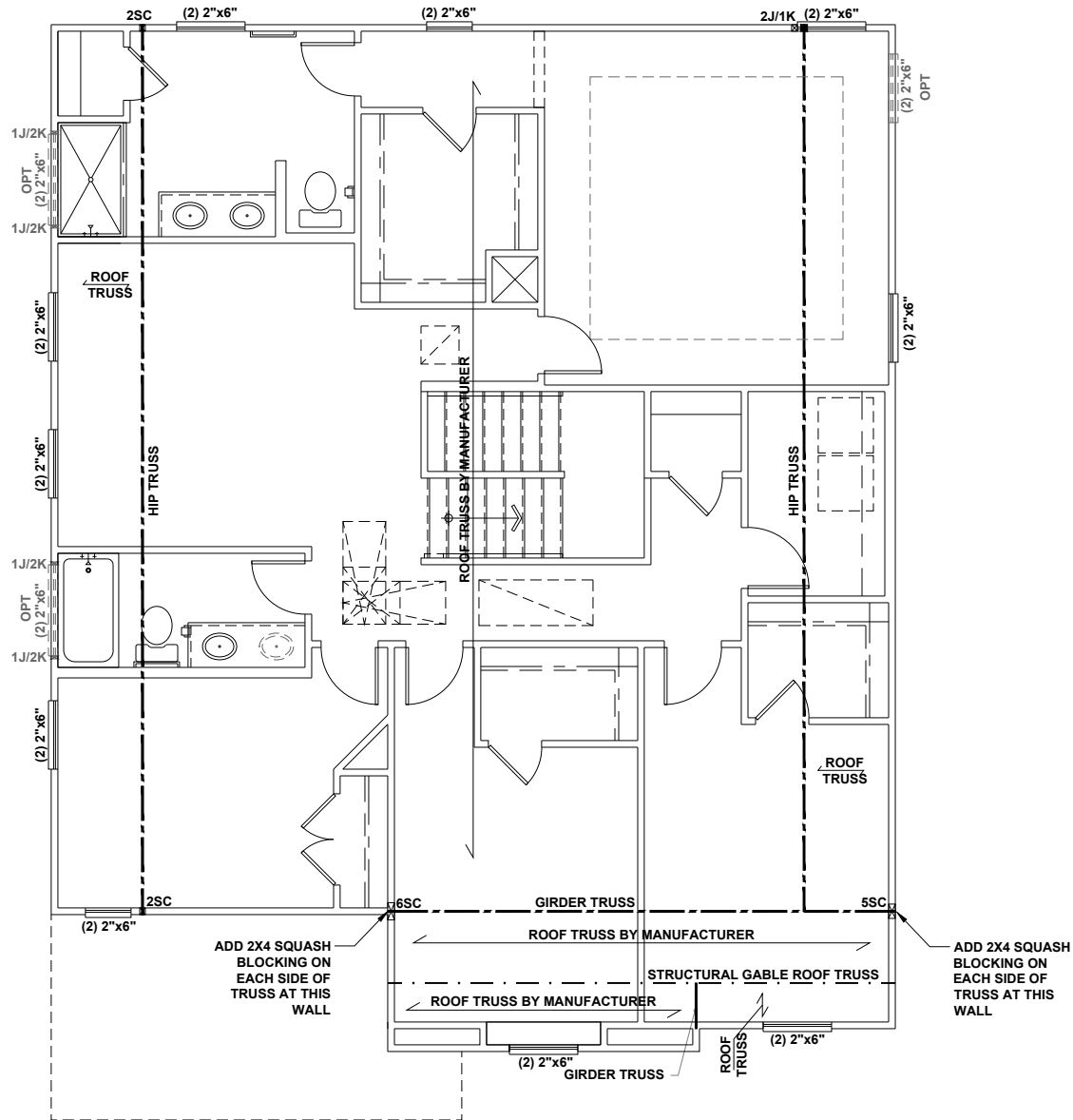
**A DIRECT STUD BEARING**  
NTS



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

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SECOND FLOOR INTERIOR  
OPTIONS DO NOT AFFECT THE  
STRUCTURAL LAYOUT



**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

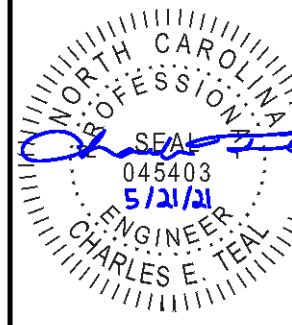
**STRUCTURAL FRAMING NOTES - (SEE GENERAL NOTES SHEET FOR ADDITIONAL REQUIREMENTS.)**

1. ALL FRAMING TO BE #2 SPF MINIMUM.
2. ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTED w/ MIN (1) JACK AND (1) KING EACH END, UNO.
3. EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.
4. ALL NON-BEARING HEADERS TO BE (2) 2x4 (1) J / (1) K, UNO.
5. PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
6. ALL HANGERS AND CONNECTORS SPECIFIED ARE TO BE SIMPSON STRONG-TIE OR EQUIVALENT.
7. ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION. MINIMUM BEAM SUPPORT IS (1) 2x4 STUD.
8. ALL EXTERIOR WALLS TO BE FULLY SHEATHED WITH 7/16" OSB.
9. 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.
10. 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.
11. 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).
12. 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.



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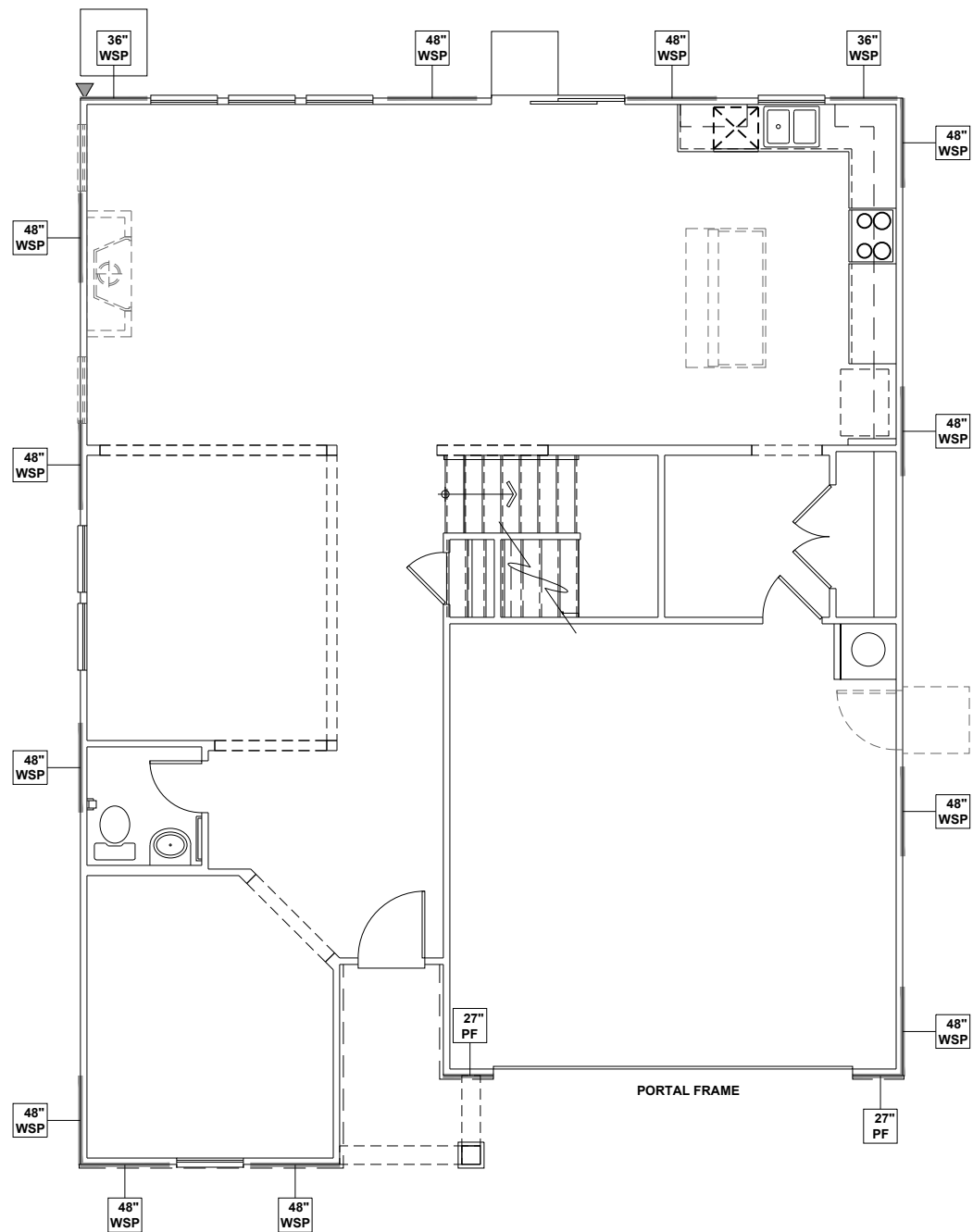
SECOND FLOOR  
CEILING FRAMING PLAN

S2.0C

**SECOND FLOOR CEILING FRAMING PLAN - 'C'**

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

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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.

**ENGINEERED WALL SCHEDULE**

ENG1: CONTINUOUSLY SHEATH WITH 7/16" OSB ATTACHED WITH 8d NAILS @ 6" OC EDGE AND 12" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG2: CONTINUOUSLY SHEATH WITH 7/16" OSB WITH 10d NAILS @ 3" OC EDGE AND 3" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG3: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED BOTH SIDES WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG4: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

**WALL BRACING NOTE:**

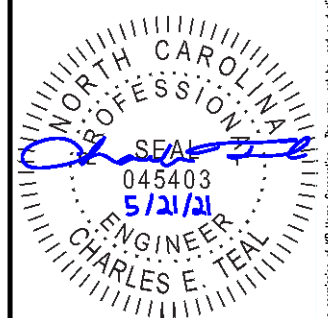
WALLS WITH PROVIDED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCRC. THESE WALLS HAVE BEEN ENGINEERED BASED ON DESIGN GUIDELINES ESTABLISHED IN ASCE-07 AND THE NDS: WIND & SEISMIC PROVISIONS SUPPLEMENT.

**WALL BRACING: RECTANGLE 1**

SIDE	REQUIRED LENGTH	PROVIDED LENGTH
FRONT	13.5 FT.	17.0 FT.
RIGHT	11.0 FT.	16.0 FT.
REAR	13.5 FT.	14.0 FT.
LEFT	11.0 FT.	16.0 FT.



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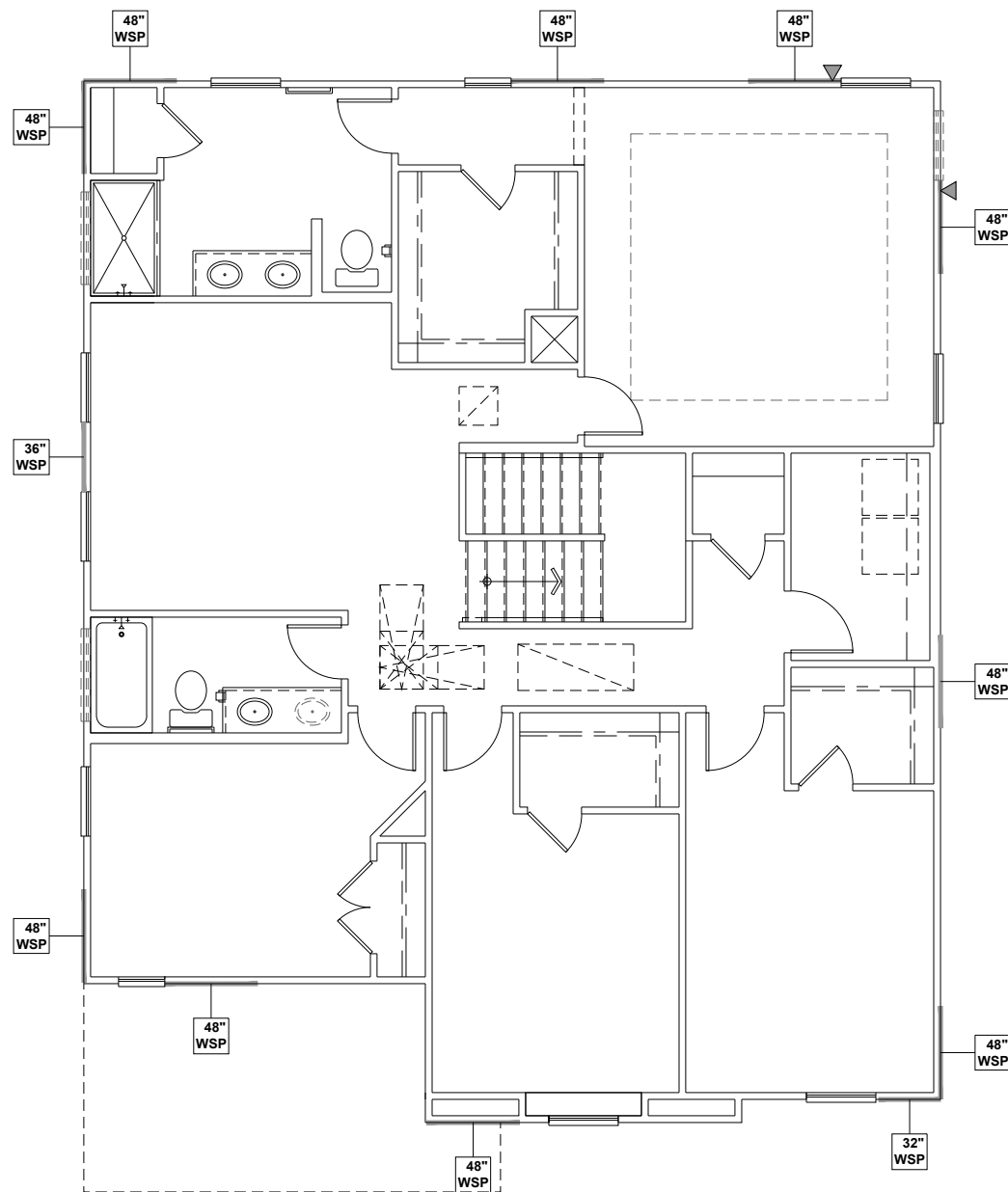
PROJECT NO.: 21901129  
 DATE: 05/19/2021

PLAN:  
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FIRST FLOOR  
 WALL BRACING PLAN  
**S4.0C**

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**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:

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- ▶ 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.

SCALED LENGTH OF WALL PANEL AT LOCATION

24" WSP

NUMERICAL LENGTH OF PANEL

PANEL TYPE

**ENGINEERED WALL SCHEDULE**

ENG1: CONTINUOUSLY SHEATH WITH 7/16" OSB ATTACHED WITH 8d NAILS @ 6" OC EDGE AND 12" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG2: CONTINUOUSLY SHEATH WITH 7/16" OSB WITH 10d NAILS @ 3" OC EDGE AND 3" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG3: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED BOTH SIDES WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG4: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

**WALL BRACING NOTE:**

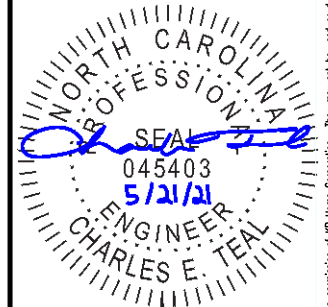
WALLS WITH PROVIDED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCRC. THESE WALLS HAVE BEEN ENGINEERED BASED ON DESIGN GUIDELINES ESTABLISHED IN ASCE-07 AND THE NDS: WIND & SEISMIC PROVISIONS SUPPLEMENT.

**WALL BRACING: RECTANGLE 1**

SIDE	REQUIRED LENGTH	PROVIDED LENGTH
FRONT	6.0 FT.	10.6 FT.
RIGHT	6.0 FT.	12.0 FT.
REAR	6.0 FT.	12.0 FT.
LEFT	6.0 FT.	11.0 FT.



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P-0961

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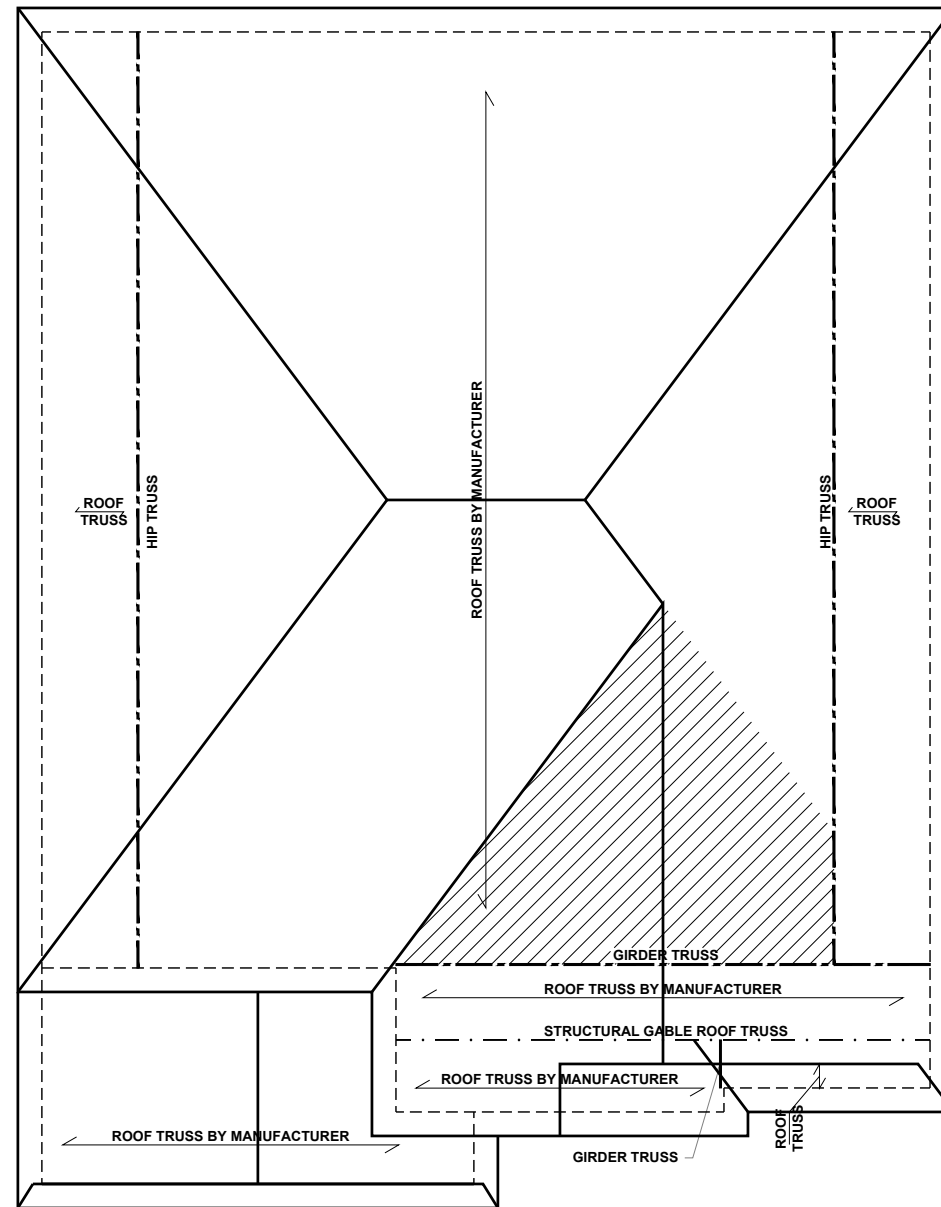
PROJECT NO.: 21901129  
DATE: 05/19/2021

PLAN:  
237.2723

SECOND FLOOR  
WALL BRACING PLAN  
**S5.0C**

**SECOND FLOOR WALL BRACING PLAN - 'C'**  
SCALE: 1/8"=1'-0"

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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.

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

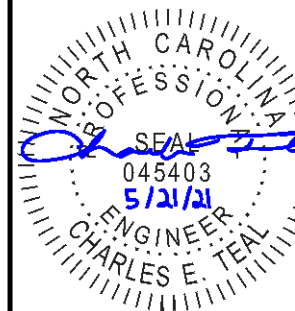
TRUSSES SHALL BE ATTACHED TO SUPPORT WALL FOR UPLIFT RESISTANCE. CONTINUOUS OSB WALL SHEATHING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES SUPPORTED BY INTERMEDIATE SUPPORT WALLS, KNEEWALLS, OR BEAMS SHALL BE ATTACHED TO SUPPORTING MEMBER PER SCHEDULE:

ROOF SPAN IS MEASURED HORIZONTALLY BETWEEN FURTHEST SUPPORT POINTS.

<b>ROOF PLAN</b>	<b>CONNECTOR</b>
UP TO 28'	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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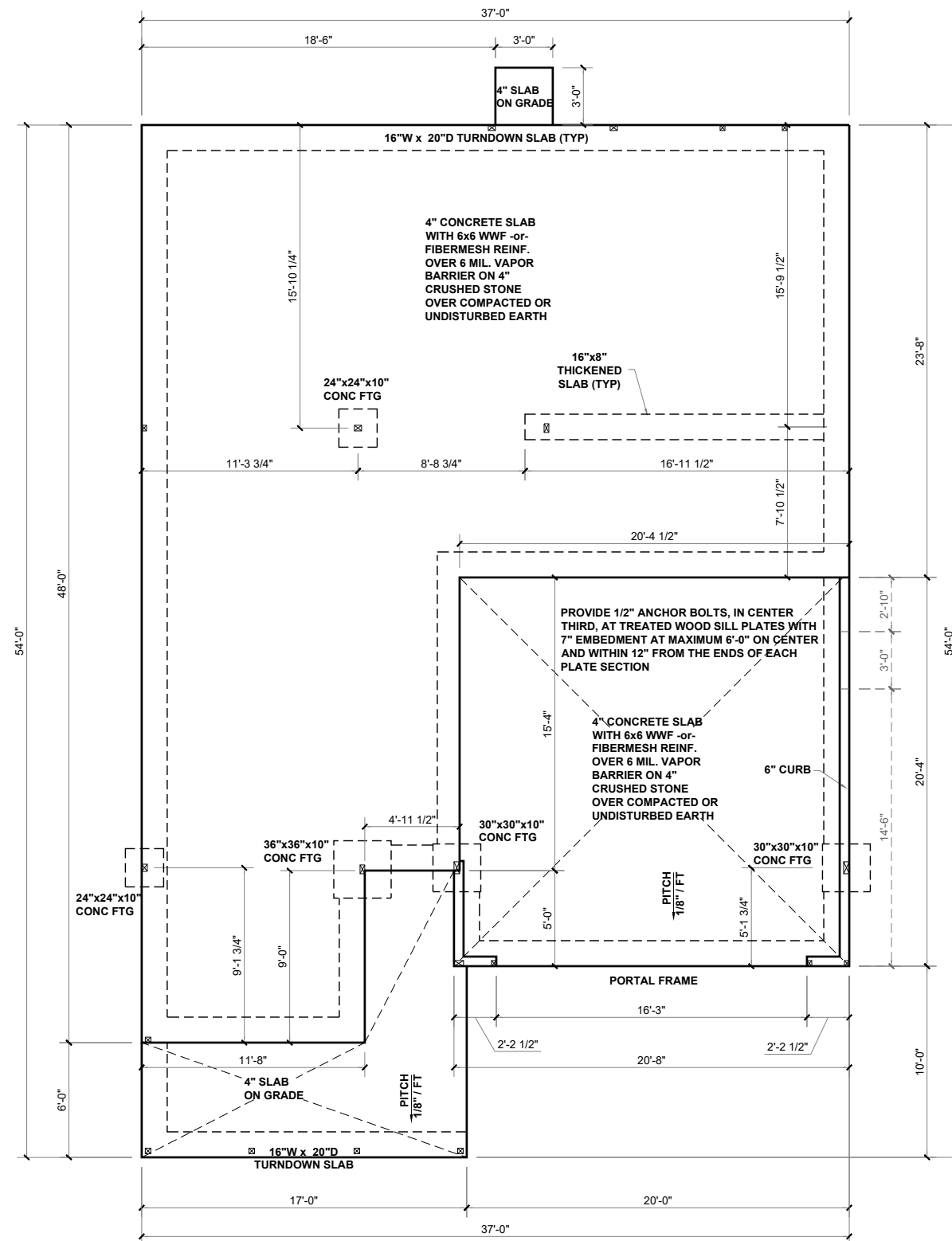
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PROJECT NO.: 21901129  
DATE: 05/19/2021

PLAN:  
**237.2723**

ROOF FRAMING PLAN  
**S7.0C**

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**SLAB FOUNDATION PLAN - 'D'**  
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

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

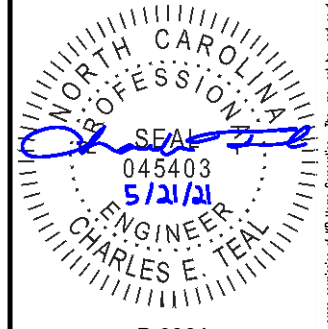
ALL CONCRETE CURBS SUPPORTING PORTAL FRAMED OR ENGINEERED OPENINGS IN GARAGES WITH A PONY WALL OVER 24" ABOVE THE GARAGE DOOR HEADER SHALL BE REQUIRED TO BE AT LEAST 8" WIDE.

**CONCRETE SLAB REINFORCING SUBSTITUTION OF SYNTHETIC FIBER MIX IN LIEU OF WWF IN NON STRUCTURAL SLABS:**

- NO SUBSTITUTION ALLOWED IN SLABS INSTALLED ON RAISED METAL DECKING
- NO SUBSTITUTION ALLOWED IN SLABS WITH GRADE BEAMS UNLESS A REBAR MAT IS INSTALLED
- NO SUBSTITUTION ALLOWED IF ANY SOILS HAVE BEEN FOUND TO BE EXPANSIVE SOILS ON SITE
- NO SUBSTITUTION ALLOWED FOR SLAB POURS DIRECTLY ON GRADE; A 4" BASE MATERIAL OF CRUSHED STONE OR WELL DRAINING CLEAN SAND IS REQUIRED FOR SUBSTITUTION
- NO SUBSTITUTION ALLOWED FOR ANY SITES WITH A DCP BLOW COUNT OF 10 OR LESS.
- FIBER MIX VOLUMES MUST BE FOLLOWED PER THE MANUFACTURES SPECIFICATIONS



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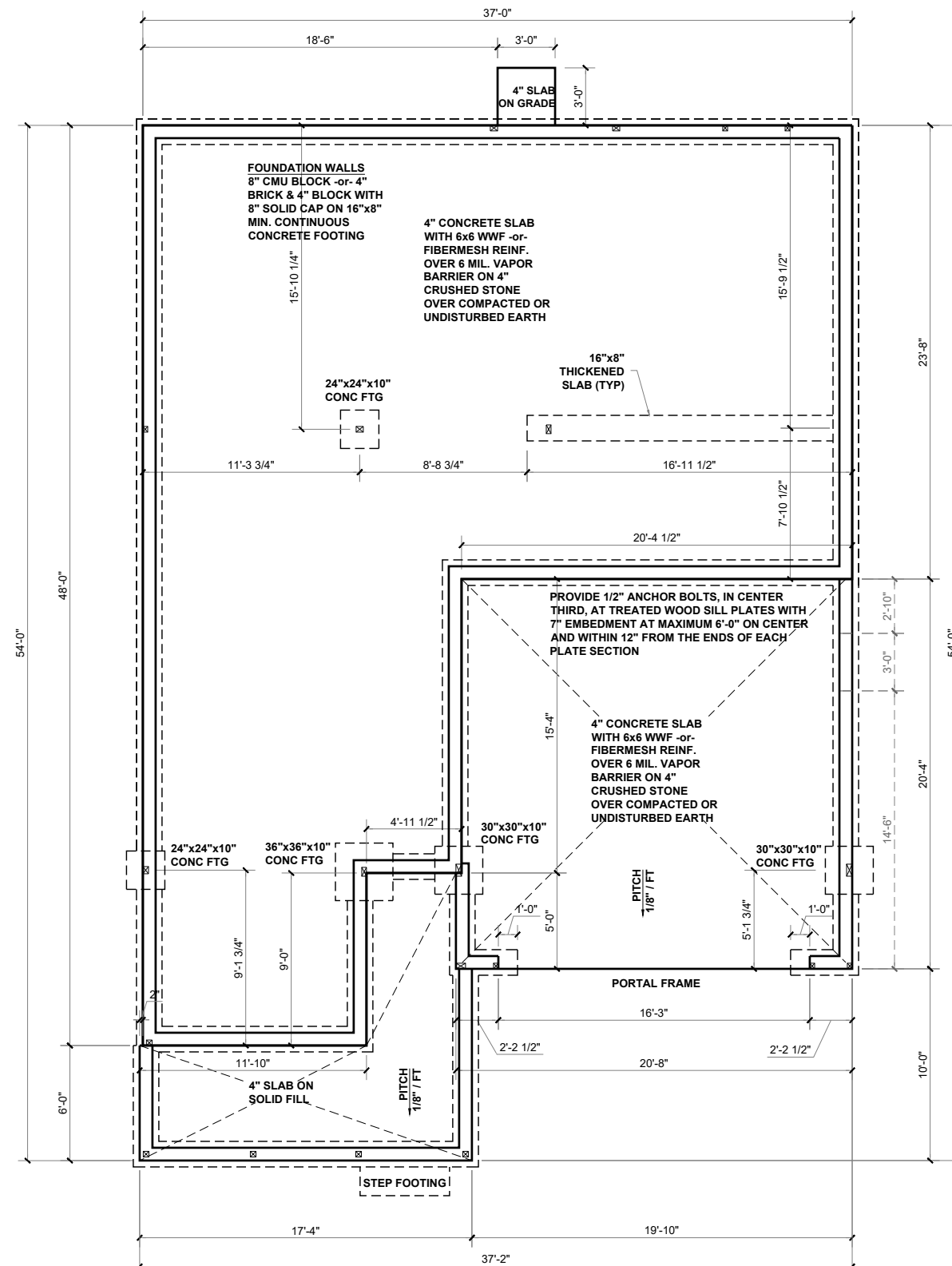


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SLAB  
FOUNDATION PLAN  
**S.10D**

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# STEMWALL FOUNDATION PLAN - 'D'

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

**BEAM & POINT LOAD LEGEND**

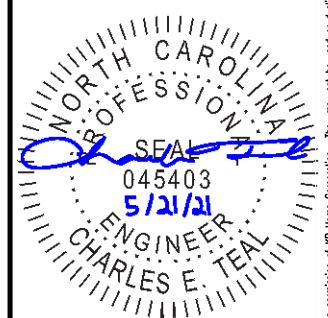
	INTERIOR LOAD BEARING WALL
	ROOF RAFTER / TRUSS SUPPORT
	DOUBLE RAFTER / DOUBLE JOIST
	STRUCTURAL BEAM / GIRDER
	WINDOW / DOOR HEADER
	POINT LOAD TRANSFER
	POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

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

- CONCRETE SLAB REINFORCING SUBSTITUTION OF SYNTHETIC FIBER MIX IN LIEU OF WWF IN NON STRUCTURAL SLABS:**
- NO SUBSTITUTION ALLOWED IN SLABS INSTALLED ON RAISED METAL DECKING
  - NO SUBSTITUTION ALLOWED IN SLABS WITH GRADE BEAMS UNLESS A REBAR MAT IS INSTALLED
  - NO SUBSTITUTION ALLOWED IF ANY SOILS HAVE BEEN FOUND TO BE EXPANSIVE SOILS ON SITE
  - NO SUBSTITUTION ALLOWED FOR SLAB POURS DIRECTLY ON GRADE; A 4" BASE MATERIAL OF CRUSHED STONE OR WELL DRAINING CLEAN SAND IS REQUIRED FOR SUBSTITUTION
  - NO SUBSTITUTION ALLOWED FOR ANY SITES WITH A DCP BLOW COUNT OF 10 OR LESS.
  - FIBER MIX VOLUMES MUST BE FOLLOWED PER THE MANUFACTURES SPECIFICATIONS



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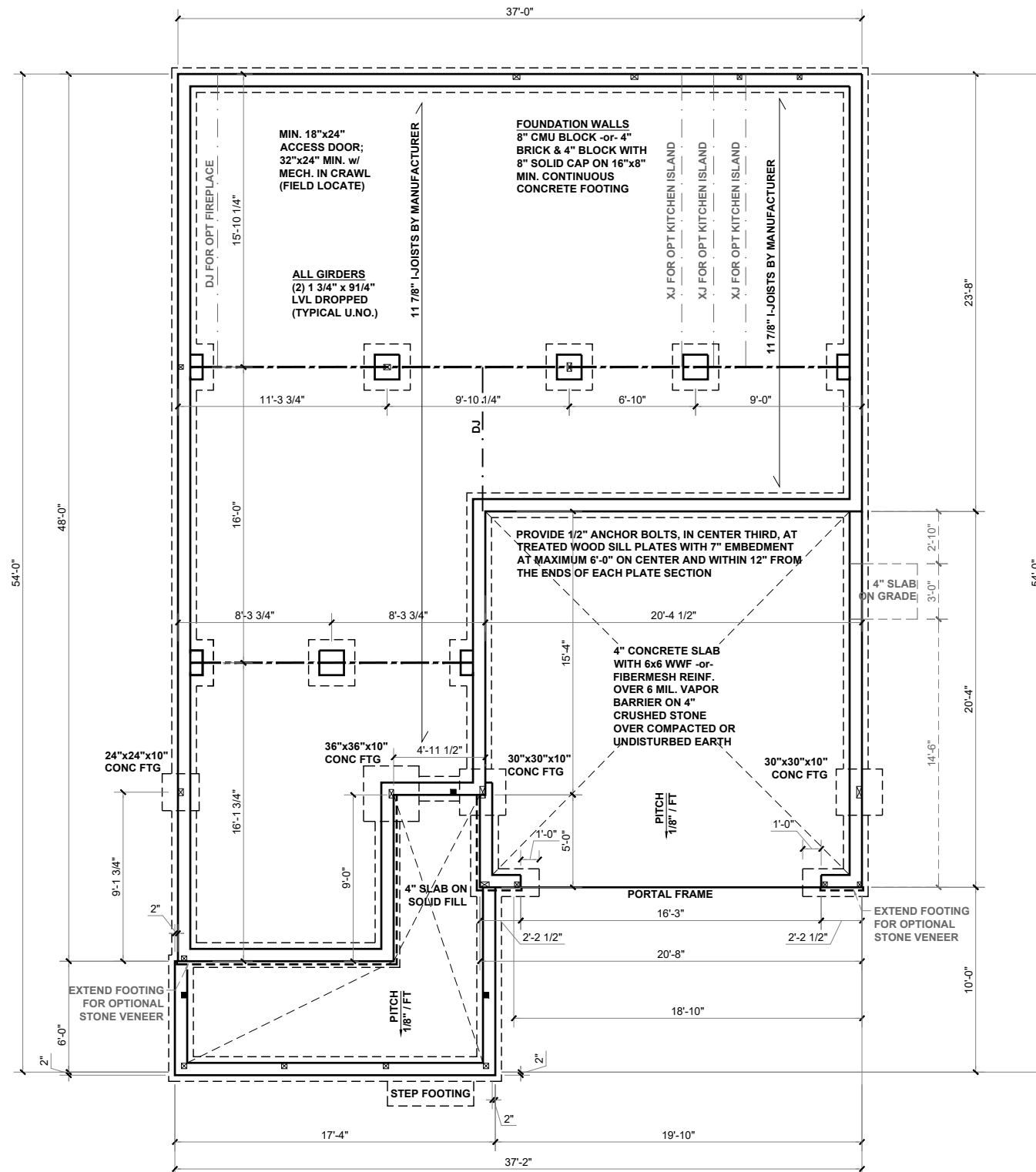
PROJECT NO.: 21901129  
 DATE: 05/19/2021

PLAN:  
**237.2723**

STEMWALL  
 FOUNDATION PLAN

**S.20D**

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# CRAWL SPACE FOUNDATION PLAN - 'D'

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

**FOUNDATION STRUCTURAL NOTES:**

1. CONCRETE BLOCK PIER SIZE SHALL BE:

SIZE	HOLLOW MASONRY	SOLID MASONRY
8x16	UP TO 32" HIGH	UP TO 5'-0" HIGH
12x16	UP TO 48" HIGH	UP TO 9'-0" HIGH
16x16	UP TO 64" HIGH	UP TO 12'-0" HIGH
24x24	UP TO 96" HIGH	

WITH 30" x 30" x 10" CONCRETE FOOTING, UNO.

FLOOR FRAMING TO BE 11 7/8" DEEP TJI 210 SERIES OR EQUAL, 19.2" OC MAXIMUM SPACING

\*\*REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES

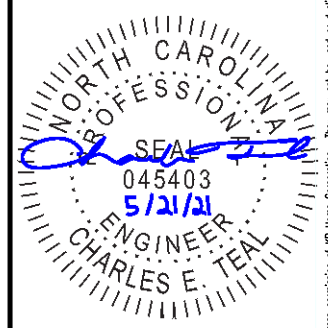
I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

8"x16" PIERS AT FOUNDATION WALL SUPPORTING DROPPED GIRDER TO HAVE A 30"x10"x8" FOOTING PROJECTION FROM THE MAIN WALL FOOTING.

(1) #5 REBAR @ CENTER OF ALL PERIMETER FOOTINGS. (2" C.C. MIN)



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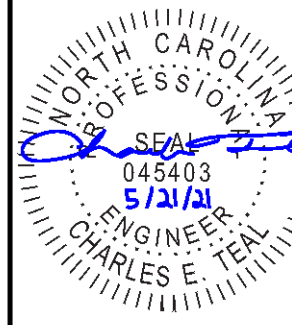
CRAWL SPACE  
FOUNDATION PLAN

**S.30D**

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FIRST FLOOR  
CEILING FRAMING PLAN

S1.0D

**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).

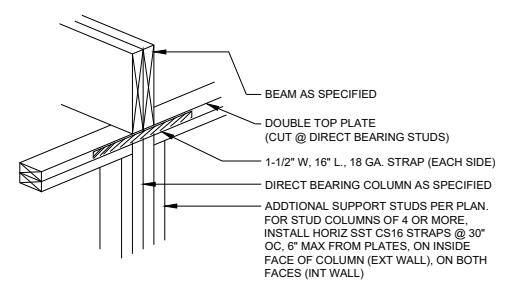
ALL FLUSH BEAMS TO BE DIRECTLY SUPPORTED BY (2) 2X STUDS UNLESS OTHERWISE NOTED. STUD COLUMNS TO BE SUPPORTED BY SOLID BLOCKING TO FOUNDATION OR TO BEARING COMPONENT BELOW.

I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

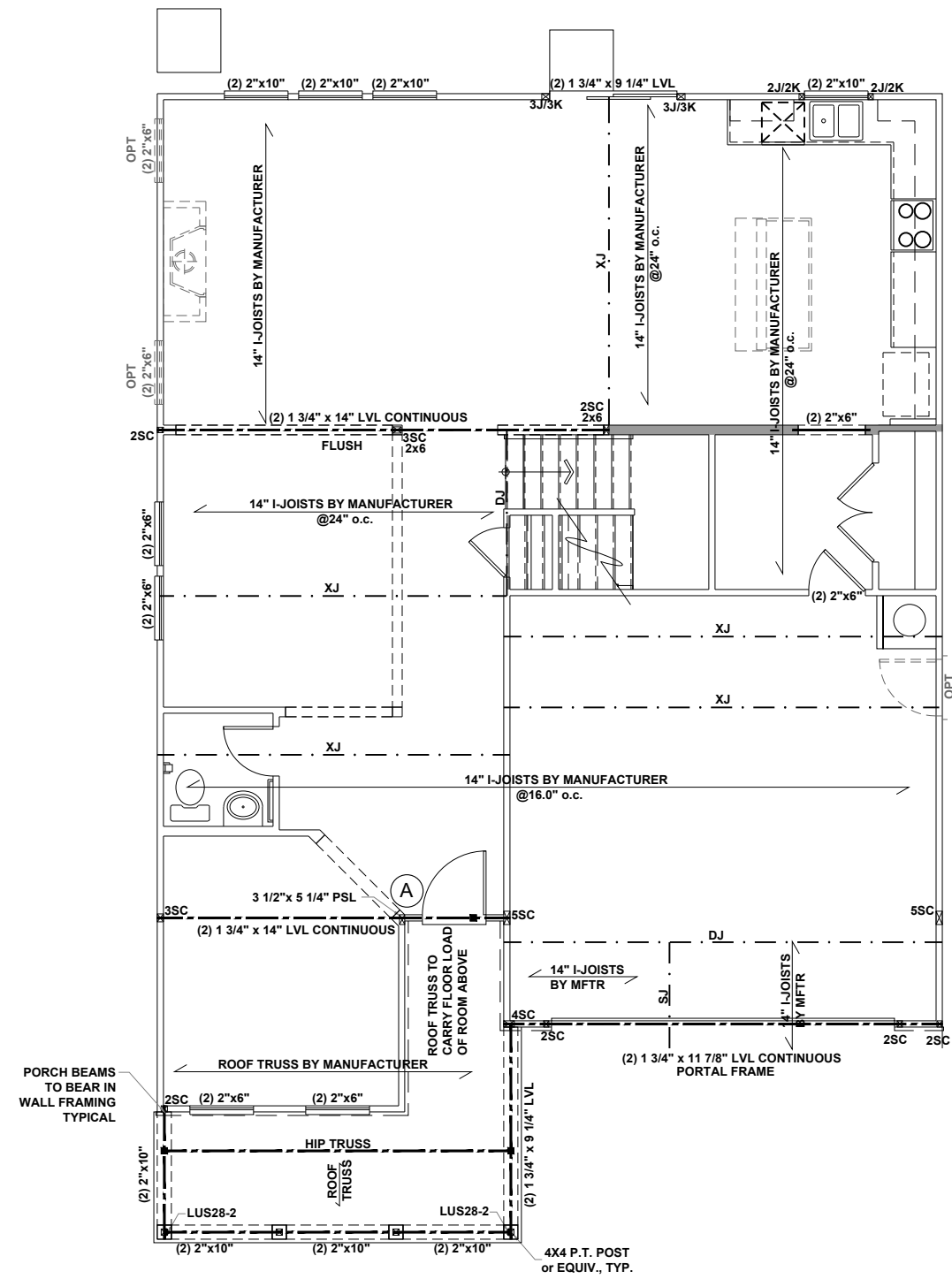
\*\*REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES

FLOOR FRAMING TO BE 14" DEEP TJI 210 SERIES OR EQUAL, 19.2" OC MAXIMUM SPACING, U.N.O.

INTERIOR OPTIONS DO NOT AFFECT THE STRUCTURAL LAYOUT



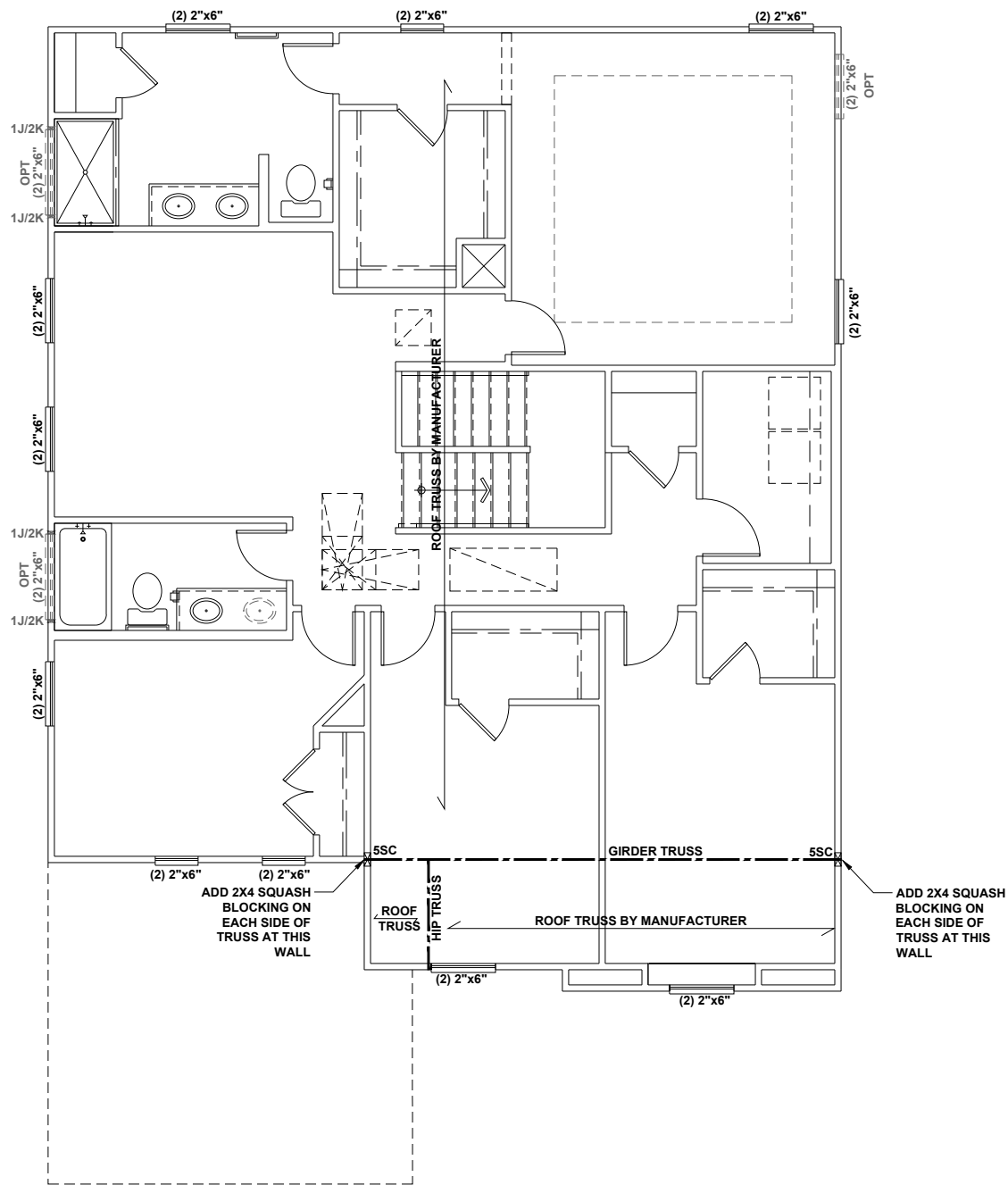
**A DIRECT STUD BEARING**  
NTS



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

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SECOND FLOOR INTERIOR  
OPTIONS DO NOT AFFECT THE  
STRUCTURAL LAYOUT



**BEAM & POINT LOAD LEGEND**

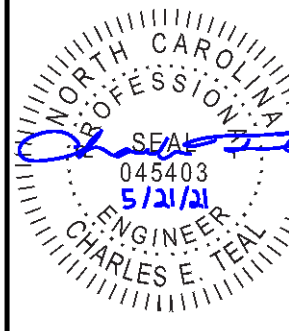
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  - ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTED w/ MIN (1) JACK AND (1) KING EACH END, UNO.
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  - ALL NON-BEARING HEADERS TO BE (2) 2x4 (1) J / (1) K, UNO.
  - PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
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JDS Consulting, PLLC HAS PERFORMED A STRUCTURAL REVIEW OF THESE PLANS. THE STRUCTURAL COMPONENTS COMPLY WITH THE 2018 NORTH CAROLINA RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS FOR NC PLAN REVIEW. DEVIATION OF ANY STRUCTURAL REQUIREMENTS OF THESE PLANS WITHOUT THE APPROVAL OF THE EOR IS PROHIBITED.



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SECOND FLOOR  
CEILING FRAMING PLAN

S2.0D

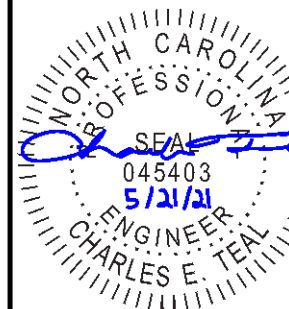
**SECOND FLOOR CEILING FRAMING PLAN - 'D'**

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

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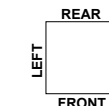
PLAN:  
237.2723

FIRST FLOOR  
WALL BRACING PLAN

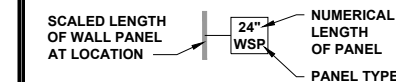
S4.0D

**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.



**ENGINEERED WALL SCHEDULE**

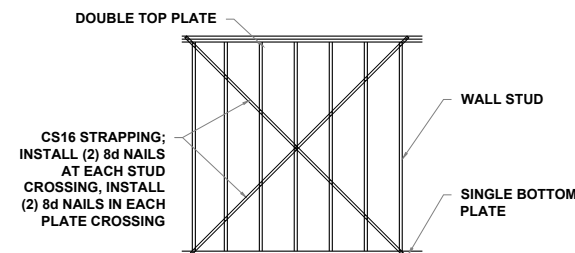
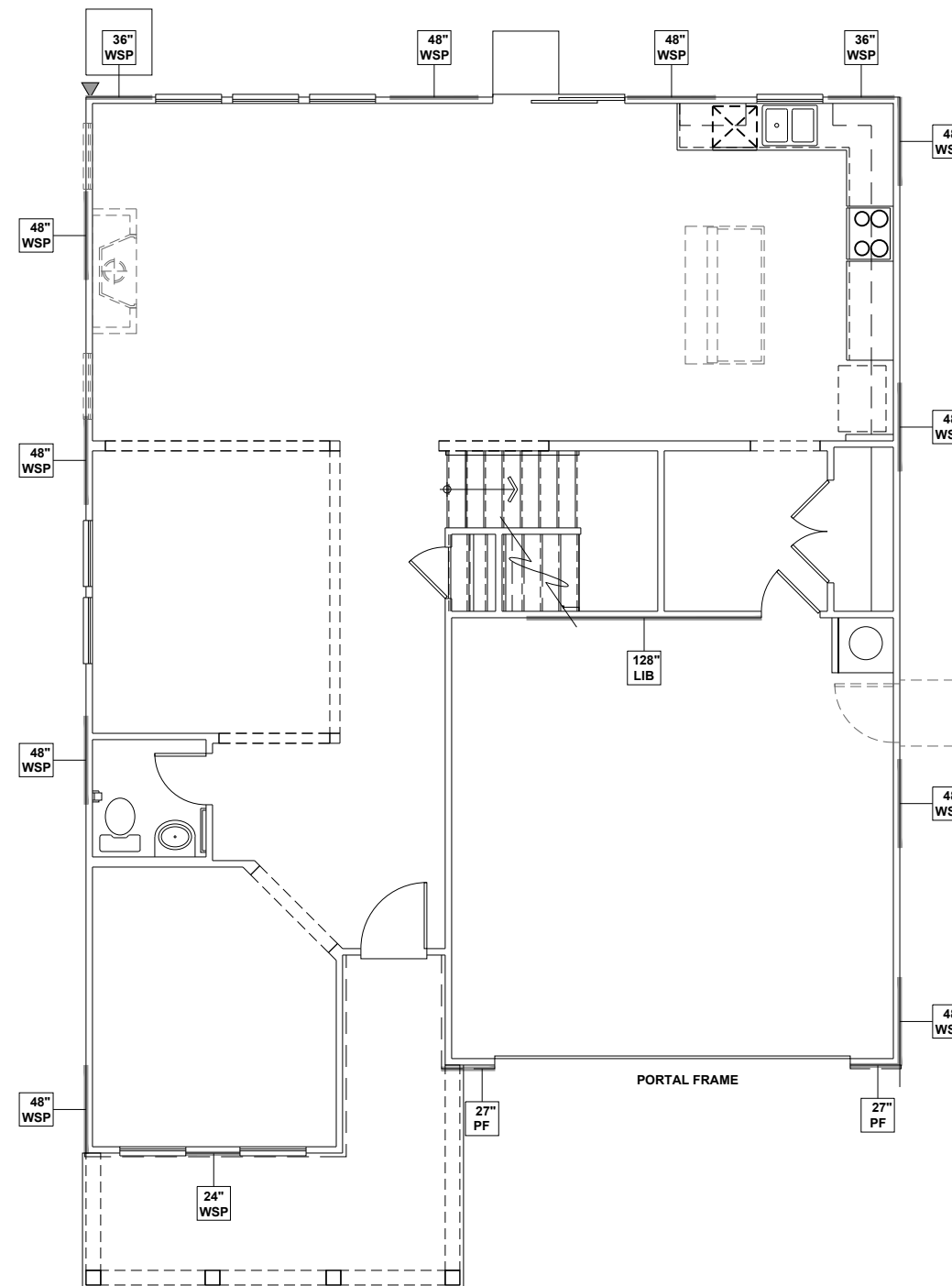
- ENG1: CONTINUOUSLY SHEATH WITH 7/16" OSB ATTACHED WITH 8d NAILS @ 6" OC EDGE AND 12" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.
- ENG2: CONTINUOUSLY SHEATH WITH 7/16" OSB WITH 10d NAILS @ 3" OC EDGE AND 3" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.
- ENG3: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED BOTH SIDES WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.
- ENG4: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

**WALL BRACING NOTE:**

WALLS WITH PROVIDED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCRC. 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	13.5 FT.	13.6 FT.
RIGHT	11.0 FT.	16.0 FT.
REAR	13.5 FT.	14.0 FT.
LEFT	11.0 FT.	16.0 FT.



**CROSS BRACED LIB  
CS16 STRAPPING METHOD**

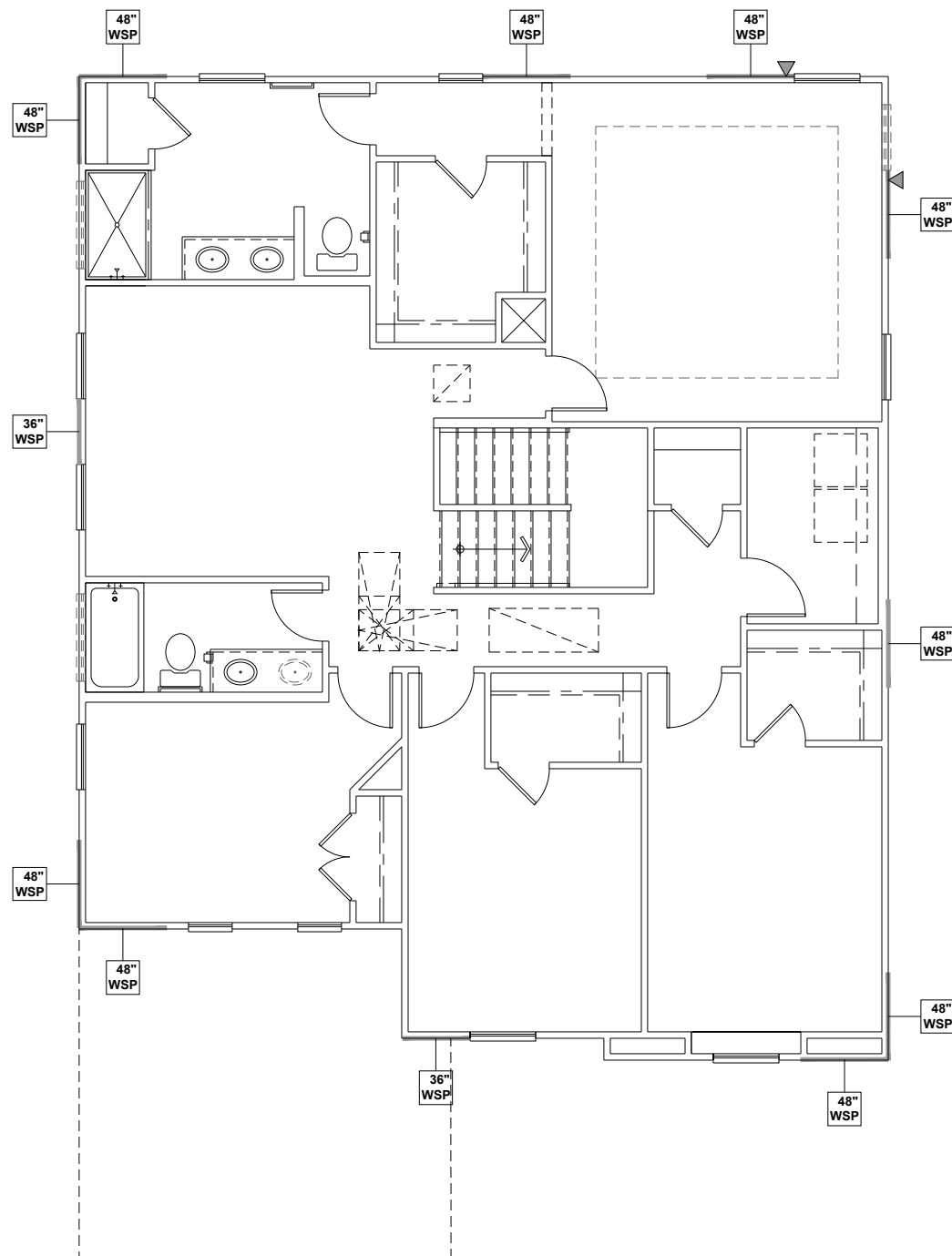
SCALE: 1/4" = 1'-0" STRAP ANGLES TO BE NO MORE THAN 60° AND NO LESS THAN 30°

**FIRST FLOOR WALL BRACING PLAN - 'D'**

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

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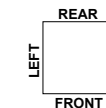


## SECOND FLOOR WALL BRACING PLAN - 'D'

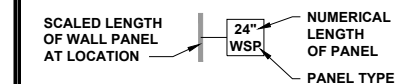
SCALE: 1/8"=1'-0"

### 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.



### ENGINEERED WALL SCHEDULE

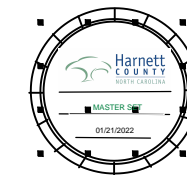
- ENG1: CONTINUOUSLY SHEATH WITH 7/16" OSB ATTACHED WITH 8d NAILS @ 6" OC EDGE AND 12" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.
- ENG2: CONTINUOUSLY SHEATH WITH 7/16" OSB WITH 10d NAILS @ 3" OC EDGE AND 3" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.
- ENG3: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED BOTH SIDES WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.
- ENG4: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

### WALL BRACING NOTE:

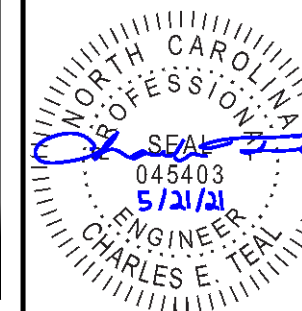
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### WALL BRACING: RECTANGLE 1

SIDE	REQUIRED LENGTH	PROVIDED LENGTH
FRONT	6.0 FT.	11.0 FT.
RIGHT	6.0 FT.	12.0 FT.
REAR	6.0 FT.	12.0 FT.
LEFT	6.0 FT.	11.0 FT.



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P-0961

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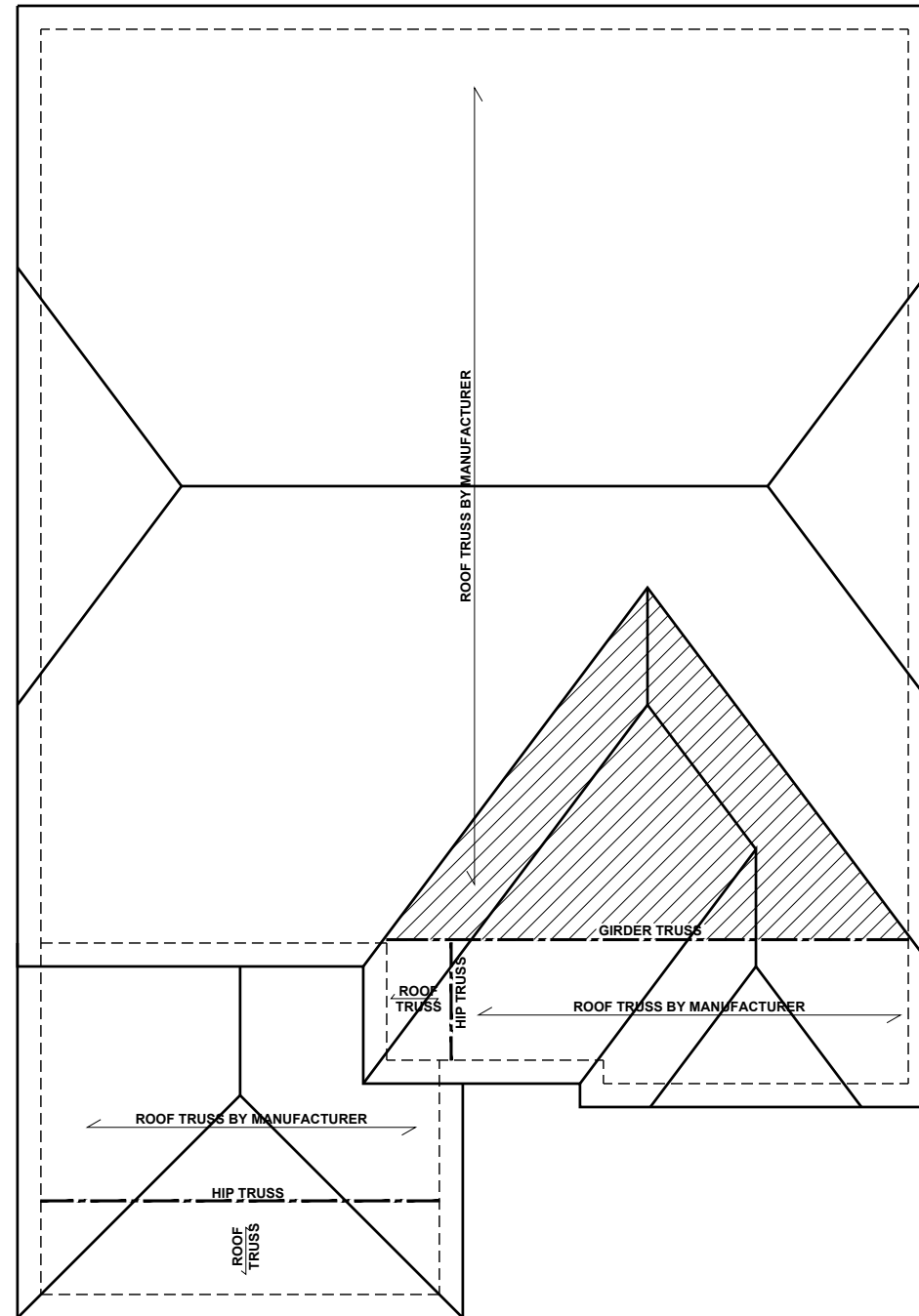
PROJECT NO.: 21901129  
DATE: 05/19/2021

PLAN:  
237.2723

SECOND FLOOR  
WALL BRACING PLAN

S5.0D

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# ROOF FRAMING PLAN - 'D'

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**
1. PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
  2. DENOTES OVER-FRAMED AREA
  3. MINIMUM 7/16" OSB ROOF SHEATHING
  4. 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.
  5. MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTION.
  6. PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH TRUSS-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.
  7. UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.

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

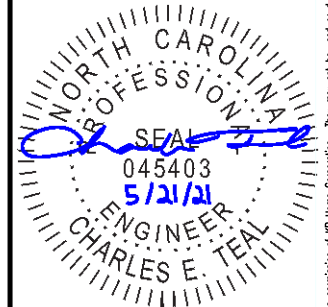
TRUSSES SHALL BE ATTACHED TO SUPPORT WALL FOR UPLIFT RESISTANCE. CONTINUOUS OSB WALL SHEATHING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES SUPPORTED BY INTERMEDIATE SUPPORT WALLS, KNEEWALLS, OR BEAMS SHALL BE ATTACHED TO SUPPORTING MEMBER PER SCHEDULE:

ROOF SPAN IS MEASURED HORIZONTALLY BETWEEN FURTHEST SUPPORT POINTS.

<b>ROOF PLAN</b>	<b>CONNECTOR</b>
UP TO 28'	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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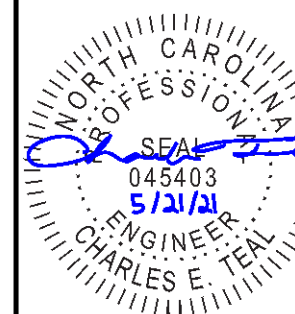
PLAN:  
**237.2723**

ROOF FRAMING PLAN  
**S7.0D**

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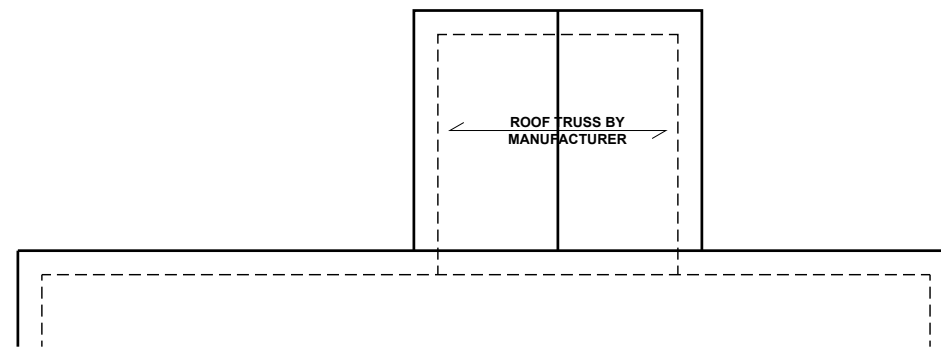
PLAN:  
237.2723

REAR OPTIONS

**R01**

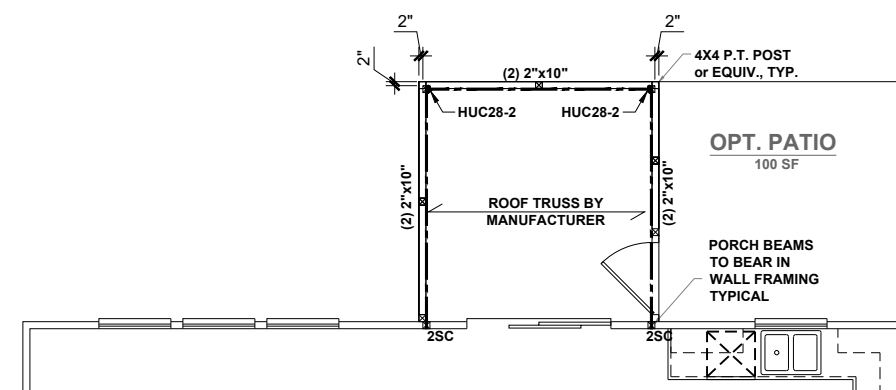
BEAM & POINT LOAD LEGEND	
	INTERIOR LOAD BEARING WALL
	ROOF RAFTER / TRUSS SUPPORT
	DOUBLE RAFTER / DOUBLE JOIST
	STRUCTURAL BEAM / GIRDER
	WINDOW / DOOR HEADER
	POINT LOAD TRANSFER
	POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

SEE FULL PLAN FOR ADDITIONAL INFORMATION



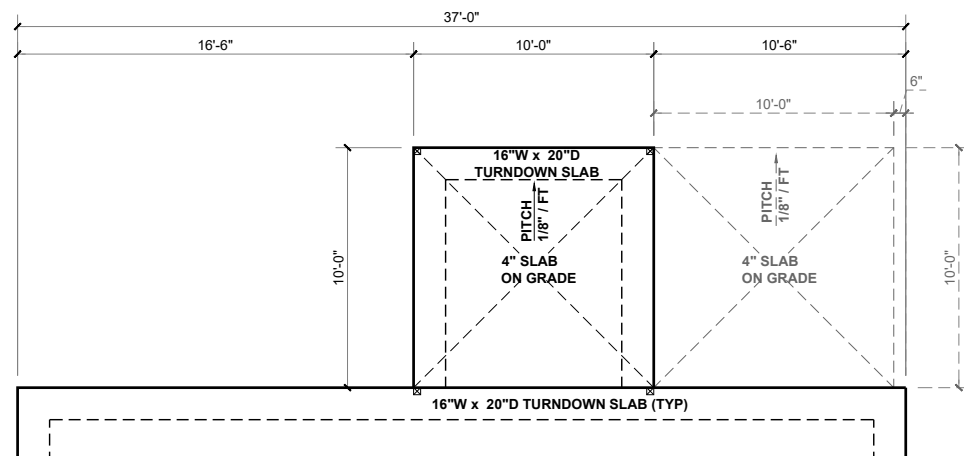
### ROOF FRAMING PLAN

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



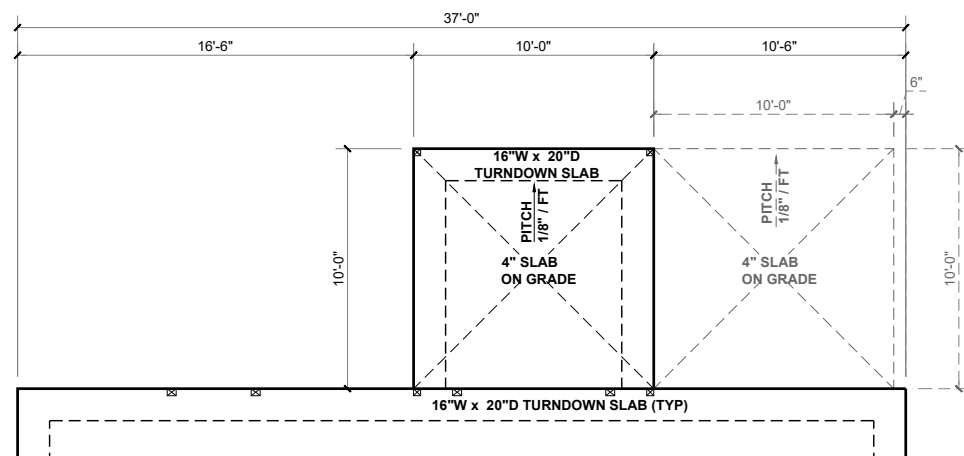
### SCREENED PATIO CEILING FRAMING PLAN

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



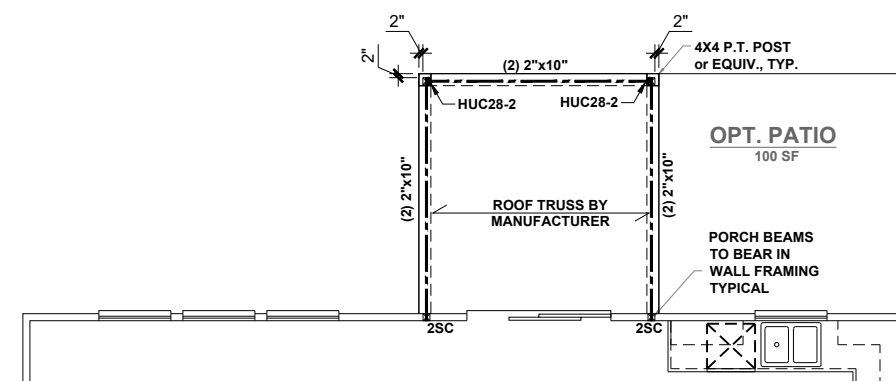
### SCREENED PATIO w/ PATIO OPTION - SLAB FOUNDATION PLAN

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



### COVERED PATIO w/ PATIO OPTION - SLAB FOUNDATION PLAN

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



### COVERED PATIO CEILING FRAMING PLAN

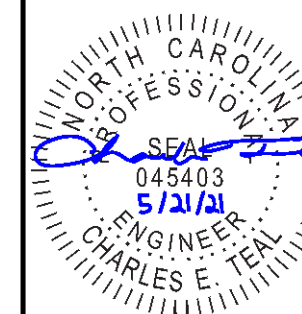
SCALE: 1/8" = 1'-0"

**COVERED/SCREENED PATIO**

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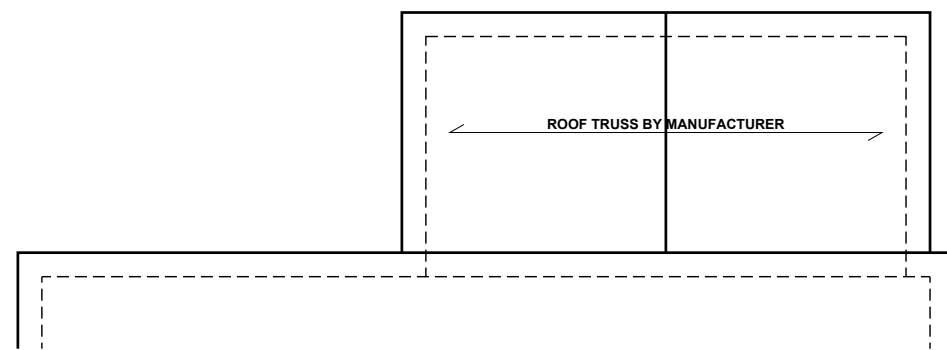
REAR OPTIONS

**R02**

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

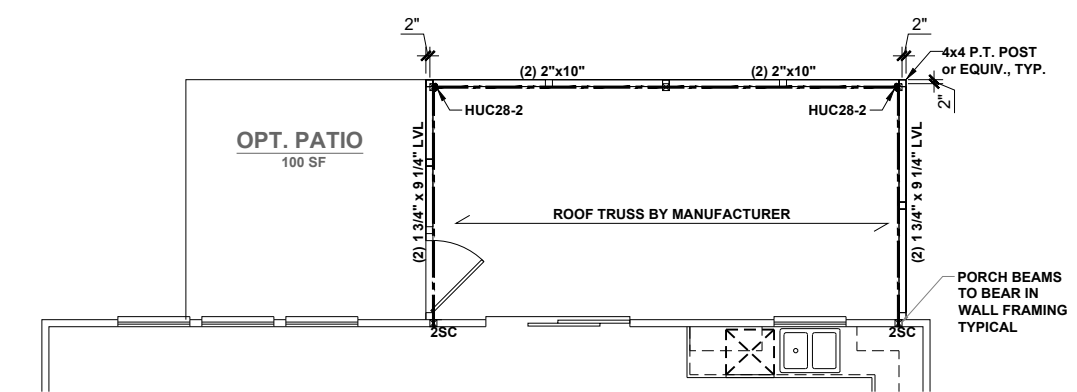
SEE FULL PLAN FOR ADDITIONAL INFORMATION

**EXT COVERED/SCREENED PATIO**



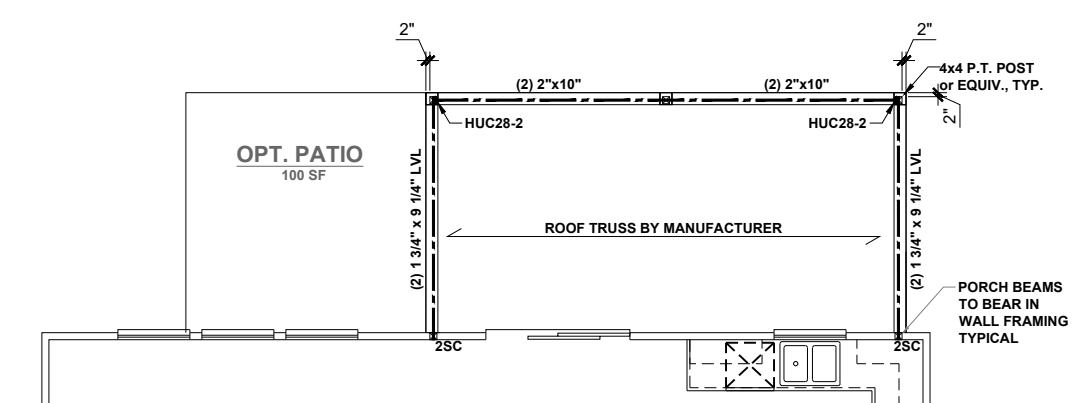
**ROOF FRAMING PLAN**

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



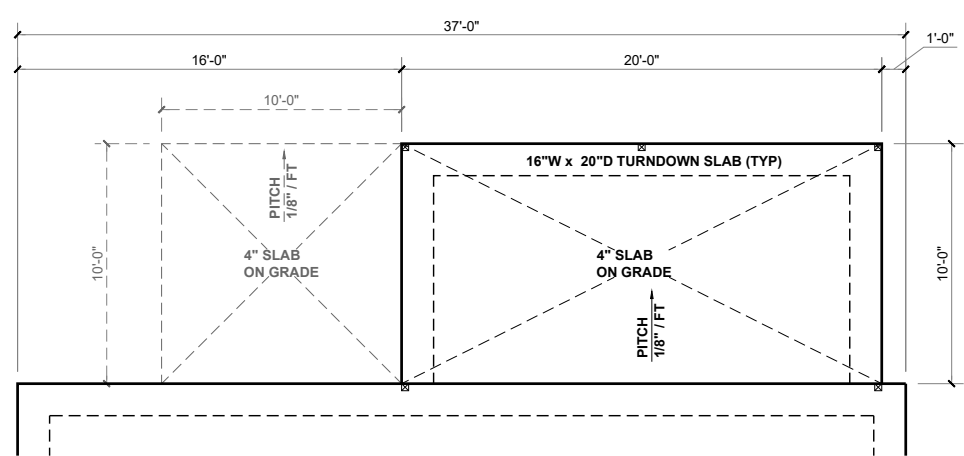
**SCREENED PATIO CEILING FRAMING PLAN**

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



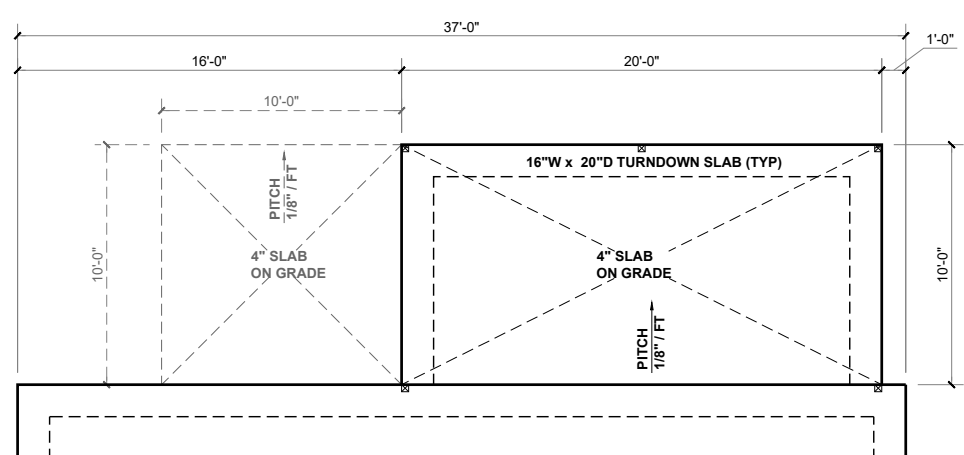
**COVERED PATIO CEILING FRAMING PLAN**

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



**SCREENED PATIO w/ PATIO OPTION - SLAB FOUNDATION PLAN**

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



**COVERED PATIO w/ PATIO OPTION - SLAB FOUNDATION PLAN**

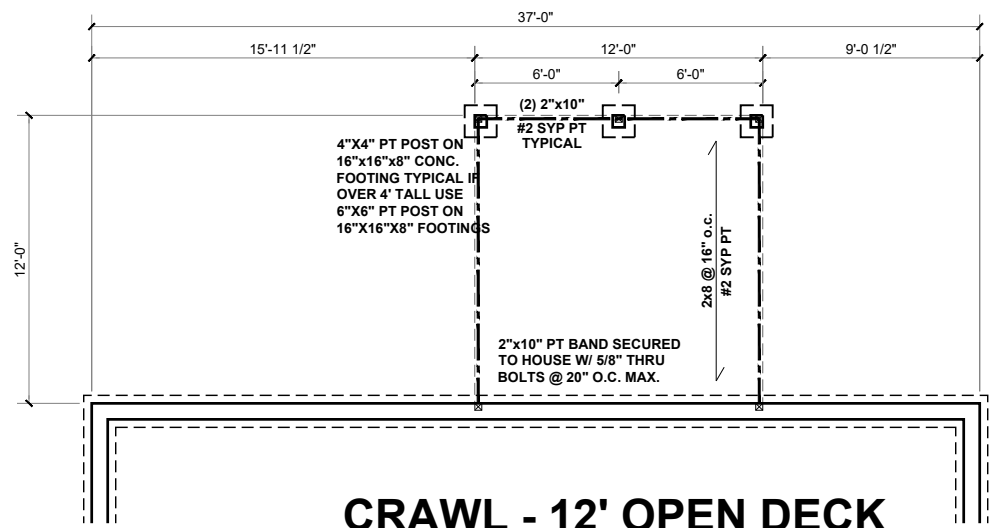
SCALE: 1/8" = 1'-0"

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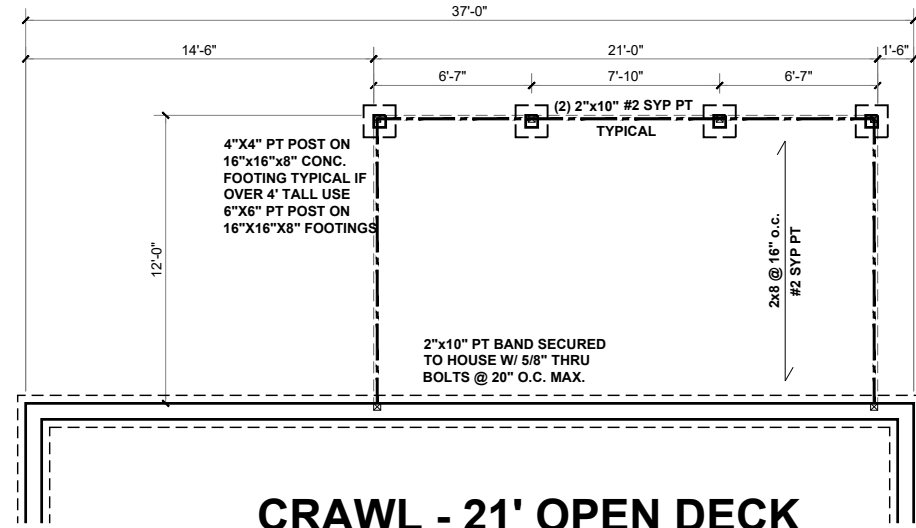
**BEAM & POINT LOAD LEGEND**

- 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

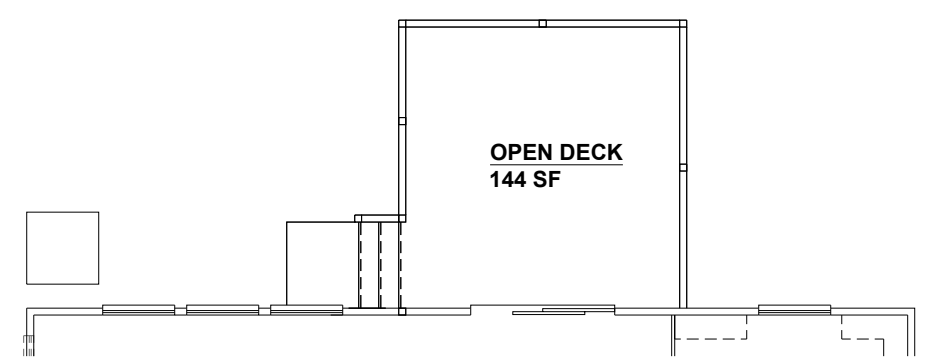
SEE FULL PLAN FOR ADDITIONAL INFORMATION



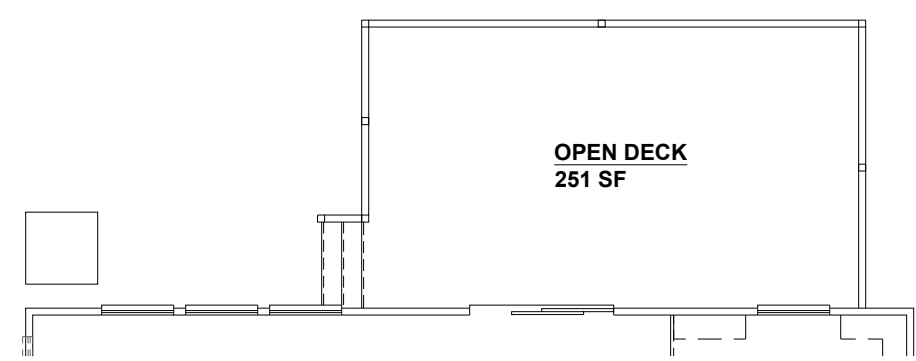
**CRAWL - 12' OPEN DECK**  
SCALE: 1/8" = 1'-0"



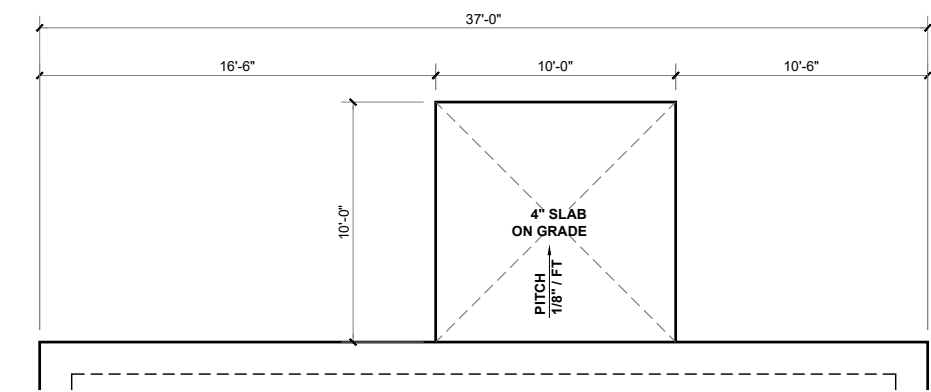
**CRAWL - 21' OPEN DECK**  
SCALE: 1/8" = 1'-0"



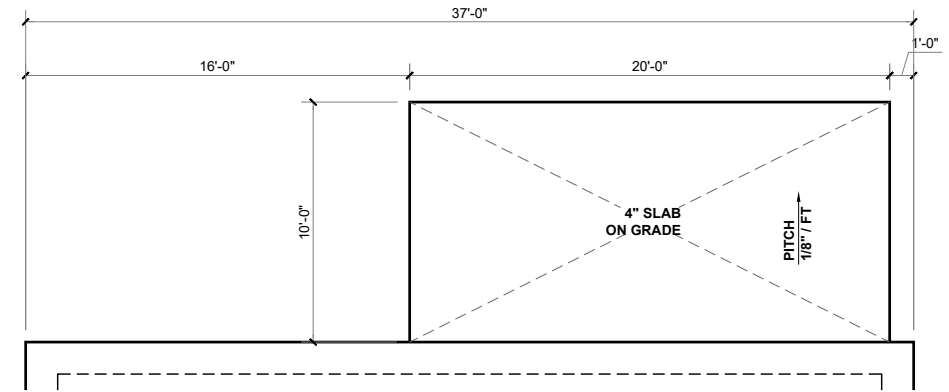
**12' OPEN DECK**  
SCALE: 1/8" = 1'-0"



**21' OPEN DECK**  
SCALE: 1/8" = 1'-0"



**PATIO SLAB**  
SCALE: 1/8" = 1'-0"

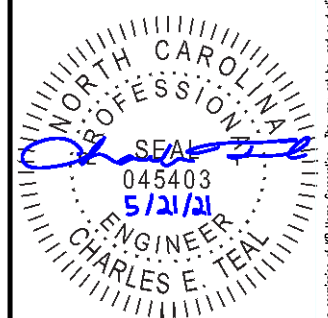


**EXT. PATIO SLAB**  
SCALE: 1/8" = 1'-0"

**OPEN DECK**



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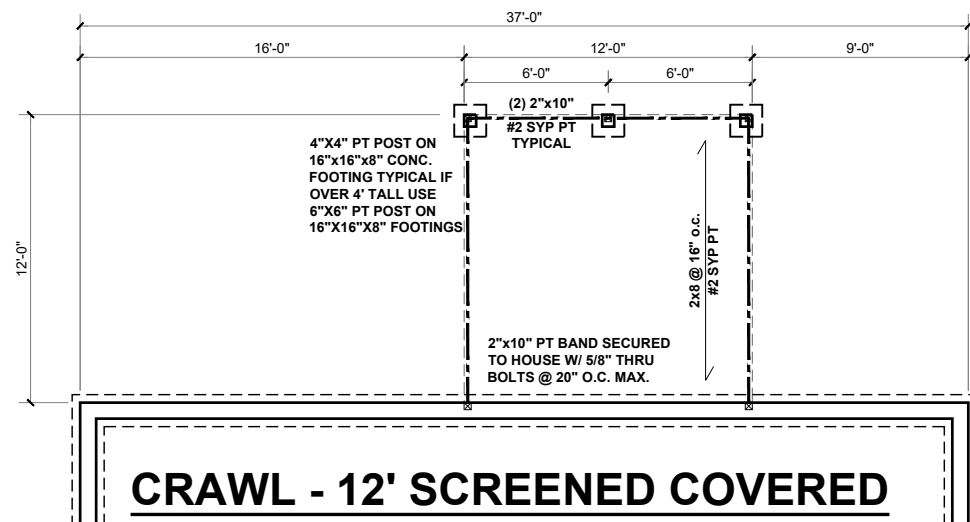
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PROJECT NO.: 21901129  
DATE: 05/19/2021

PLAN:  
**237.2723**

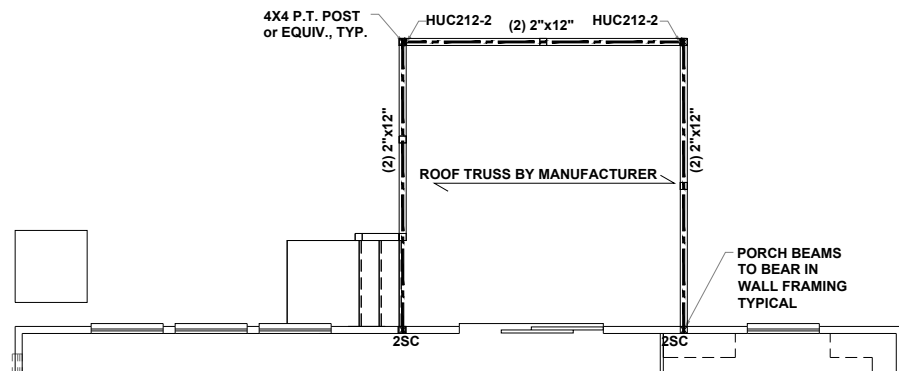
REAR OPTIONS  
**R03**

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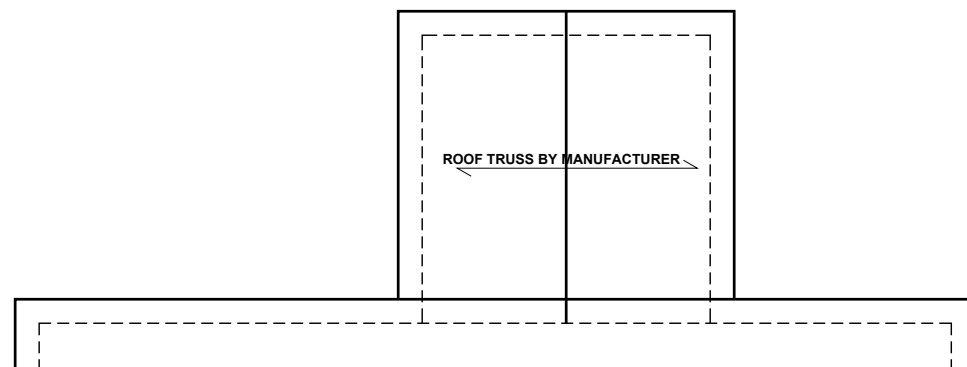
**CRAWL - 12' SCREENED COVERED DECK**

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



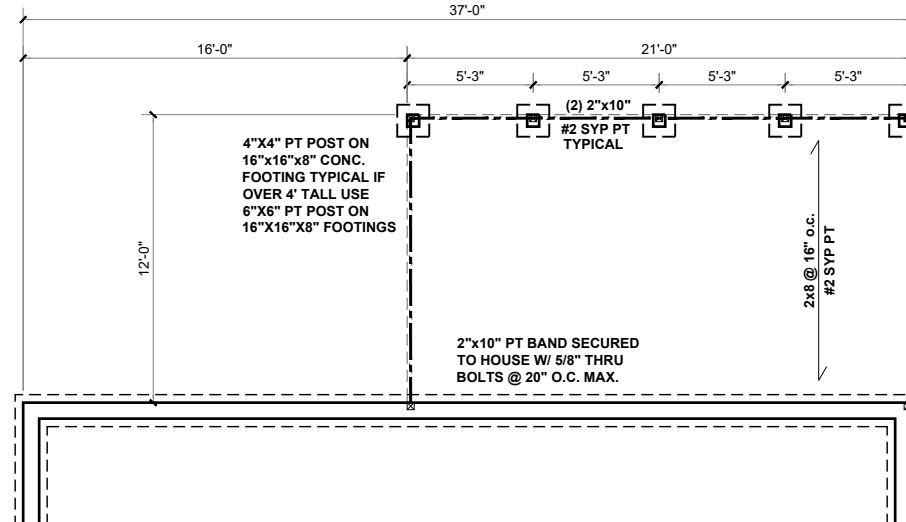
**12' SCREENED COVERED DECK**

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



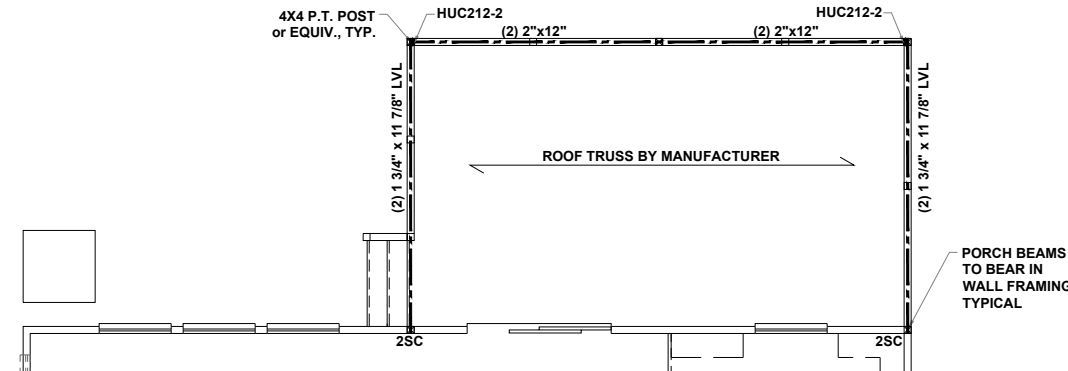
**ROOF PLAN**

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



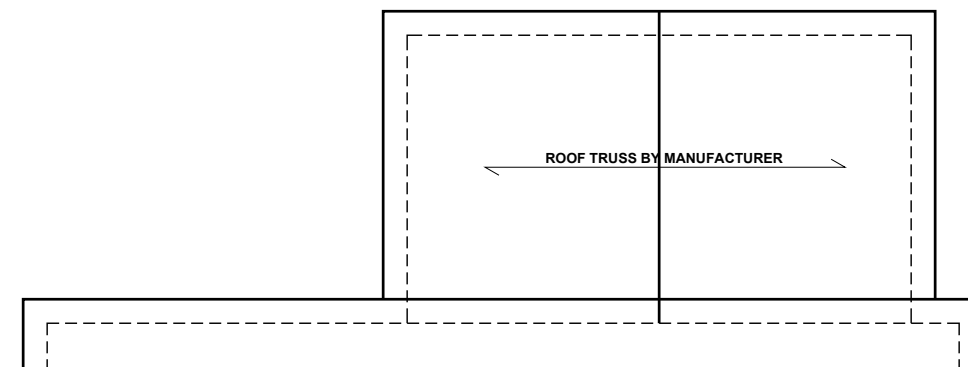
**CRAWL - 21' SCREENED COVERED DECK**

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



**21' SCREENED COVERED DECK**

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



**ROOF PLAN**

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

**BEAM & POINT LOAD LEGEND**

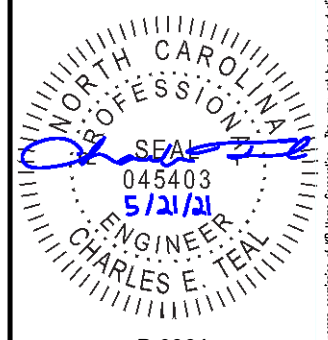
- INTERIOR LOAD BEARING WALL
- - - ROOF RAFTER / TRUSS SUPPORT
- - - DOUBLE RAFTER / DOUBLE JOIST
- STRUCTURAL BEAM / GIRDER
- WINDOW / DOOR HEADER
- POINT LOAD TRANSFER
- POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

SEE FULL PLAN FOR ADDITIONAL INFORMATION

**SCREENED COVERED DECK**



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P-0961

JDS Consulting, PLLC HAS PERFORMED A STRUCTURAL REVIEW OF THESE PLANS. THE STRUCTURAL COMPONENTS COMPLY WITH THE 2018 NORTH CAROLINA RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS FOR NC PLAN REVIEW. DEVIATION OF ANY STRUCTURAL REQUIREMENTS OF THESE PLANS WITHOUT THE APPROVAL OF THE EOR IS PROHIBITED.



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PROJECT NO.: 21901129  
DATE: 05/19/2021

PLAN:  
**237.2723**

REAR OPTIONS  
**R04**

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