



# NORTH CAROLINA 40' SERIES PLAN 240.2596-R

## LOT 7 - HIGHLAND GROVE - ELEVATION D

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- AD8 ARCHITECTURAL DETAILS

**NOTICE TO CONTRACTOR**  
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

**APPROVED**  
Limited building only review  
Permit holder responsible for full compliance with the code

02/11/2021



### NORTH CAROLINA 40' SERIES

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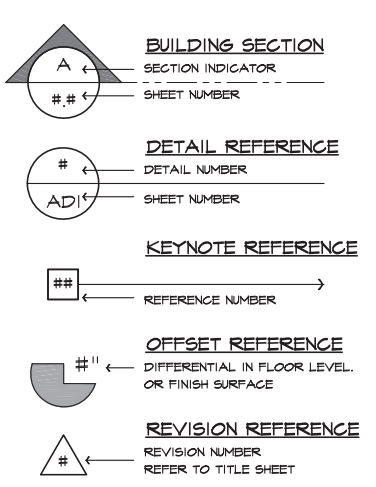
### 2018 NORTH CAROLINA STATE BUILDING CODES

- ISSUE DATE: 06/02/15
- PROJECT No.: 1350999-56
- DIVISION MGR.: MCP
- REVISIONS: 01/26/21
- 1 DIVISION REVISIONS NC18024NCP - 08/24/18 - CTD
- 2 2018 CODE UPDATE NC19053NCP/ 03/15/19 / CTD
- 3 DIVISION REVISION NC19077NCP - 04/01/19 CTD
- 4 FRAMEWALK REVISIONS NC19033NCP - 05/07/19 - CTD
- 5 DIVISION REVISIONS NC20012NCP - 01/23/20 - KBA
- 6 DIVISION REVISIONS NC20017NCP - 03/04/20 - KBA
- 7 DIVISION REVISIONS NC20023NCP - 05/07/20 - KBA
- 8 HOME OFFICE CORP21063CORP-08/28/20-CTD
- 9 DIVISION REVISION NC21009NCP - 01/26/21 - KBA

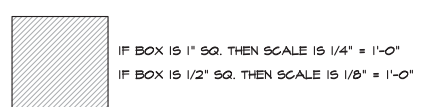
### ABBREVIATIONS

ABV. ABOVE	6.F.I. GROUND-FAULT INTERRUPTER	R.O. ROUGH OPENING
A/C AIR CONDITIONING	S & P 5 & P	SHELF AND POLE
ADJ. ADJUSTABLE	G.I. GALVANIZED IRON	S.C. SOLID CORE
ALT. ALTERNATE	GL. GLASS	S.D. SMOKE DETECTOR
AMP. AMPERAGE	GYP. BD. GYPSUM BOARD	SEC. SECTION
BD. BOARD	H.C. HOLLOW CORE	S.H. SINGLE HUNG
CL. CENTER LINE	HDR. HEADER	SHT. SHEET
CAB. CABINET	HGT. / HT. HEIGHT	SHTS. SHEATHING
CLG. CEILING	H.H. HEADER HEIGHT	SHWR. SHOWER
CLR. CLEAR	HS. HORIZONTAL SLIDER	SIM. SIMILAR
CONC. CONCRETE	I.L.O. IN LIEU OF	SL. GL. SLIDING GLASS
CPT. CARPET	INSUL. INSULATION	STD. STANDARD
C.T. CERAMIC TILE	INT. INTERIOR	S.V. SHEET VINYL
D. DRYER	LAM. LAMINATED	TEMP. TEMPERED GLASS
DBL. DOUBLE	LAV. LAVATORY	THK. THICK
D.S. DUAL GLAZED	LUM. LUMINOUS	T.O.C. TOP OF CURB
DIA. DIAMETER	M.C. MEDICINE CABINET	T.O.P. TOP OF PLATE
DIM. DIMENSION	MFR. MANUFACTURER	T.O.S. TOP OF SLAB
DISP. DISPOSAL	MIN. MINIMUM	TYP. TYPICAL
D.L. DIVIDED LIGHT	MTD. MOUNTED	U.N.O. UNLESS NOTED OTHERWISE
DP. DEEP	MTL. METAL	V.P. VAPOR PROOF
DR. DOOR	N.I.C. NOT IN CONTRACT	W. WASHER
D.S. DOWNSPOUT	N.T.S. NOT TO SCALE	W. WITH
DTL. DETAIL	O. OVER	WD. WOOD
D.W. DISHWASHER	O.C. ON CENTER	WIN. WINDOW
EA. EACH	O.P.T. OPTIONAL	WH. WATER HEATER
ELEV. ELEVATION	O.S.A. OUTSIDE AIR	W.I. WROUGHT IRON
EQ. EQUAL	P. PROPERTY LINE	W.P. WEATHER PROOF
EXH. EXHAUST	P.B. PUSH BUTTON	
EXT. EXTERIOR	PH. PHONE	
FAU. FORCED AIR UNIT	PLT. PLATE	
F.G./FX. FIXED GLASS	PLYND. PLYWOOD	
F.G. FUEL GAS	FR. PAIR	
FIN. FINISH	P.T.D.F. PRESSURE TREATED DOUGLAS FIR	
FLR. FLOOR	R. RISER	
FLR. LINE FLOOR LINE	RAD. RADIUS	
FLUOR. FLUORESCENT	R.A.G. RETURN AIR GRILL	
FR. DR. FRENCH DOOR	REF. REFRIGERATOR	
F.M.C. FLOOR MATERIAL CHANGE	RE/S RE-SAWN	
FTG. FOOTING	REV. REVERSE	
GA. GAUGE	RM. ROOM	
GAR. DISP. GARBAGE DISPOSAL		

### ARCH. SYMBOLS



### SCALE NOTE



### CONSULTANTS

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### SQUARE FOOTAGE

**PLAN 240.2596-R**

FIRST FLOOR AREA	1158	SQ. FT.
SECOND FLOOR AREA	1415	SQ. FT.
<b>TOTAL AREA</b>	<b>2573</b>	<b>SQ. FT.</b>
GARAGE AREA	416	SQ. FT.
PORCH AREA(S)		
ELEVATION 'A'	89	SQ. FT.
ELEVATION 'B'	84	SQ. FT.
ELEVATION 'C'	62	SQ. FT.
ELEVATION 'D'	136	SQ. FT.
PATIO AREA(S)		
10'X10' COVERED	100	SQ. FT.
10'X26'-1" COVERED	266	SQ. FT.
DECK AREA(S)		
OPEN 12'X12'	144	SQ. FT.
OPEN 12'X24'	288	SQ. FT.
SCREENED-IN 12'X12'	144	SQ. FT.
SCREENED-IN 12'X24'	288	SQ. FT.
SUNROOM AREA		
12'X12'	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	08/24/18	T.S, I.1 - I.5, 2.1, 2.3, 2.4, 2.5, 3.A1 - 3.D6, 4.1 - 5.4	NC18024NCP
2	03/15/19	T.S, 6.N1, 6.N2, 6.N3, I.2, 3.A1, 3.B1, 3.B2, 3.B7, 3.C1, 3.C2, 3.C6, 3.D2, 5.1 7.3 - 7.6, 8.1 - 8.4	NC18024NCP
3	04/01/19	I.1, 2.1, 3.A1, 3.B2, 3.C2, 3.D2, 5.1	NC19017NCP
4	05/07/19	T.S, I.1-1.5, 3.A1-3.A5, 3.B1, 3.B3, 3.B4, 3.B6, 3.B7, 3.C1-3.C8, 3.D1-3.D6	NC19033NCP
6	03/04/20	T.S, I.1, I.3, I.4, 3.A1, 3.A5-6, 3.B2-8, 5.3, 8.3, 8.4	NC20017NCP
7	05/07/20	T.S, I.1, I.3, I.4	NC20023NCP
8	08/20/20	T.S, I.1, I.3, 4.1, 5.3	CORP20003CORP
9	12/18/20	T.S, I.1	2X6 BACK WALL OF PANTRY NC21008NCP
9	01/26/21	T.S, 3.A1, 3.A2, 3.A3	POPOUT ROOF FRONT 'A' NC21008NCP

PLAN:  
240.2596-R

SHEET:  
TS

SPEC. LEVEL 1  
RALEIGH-DURHAM  
40' SERIES

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40' SERIES**

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**2018 NORTH  
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CODES**

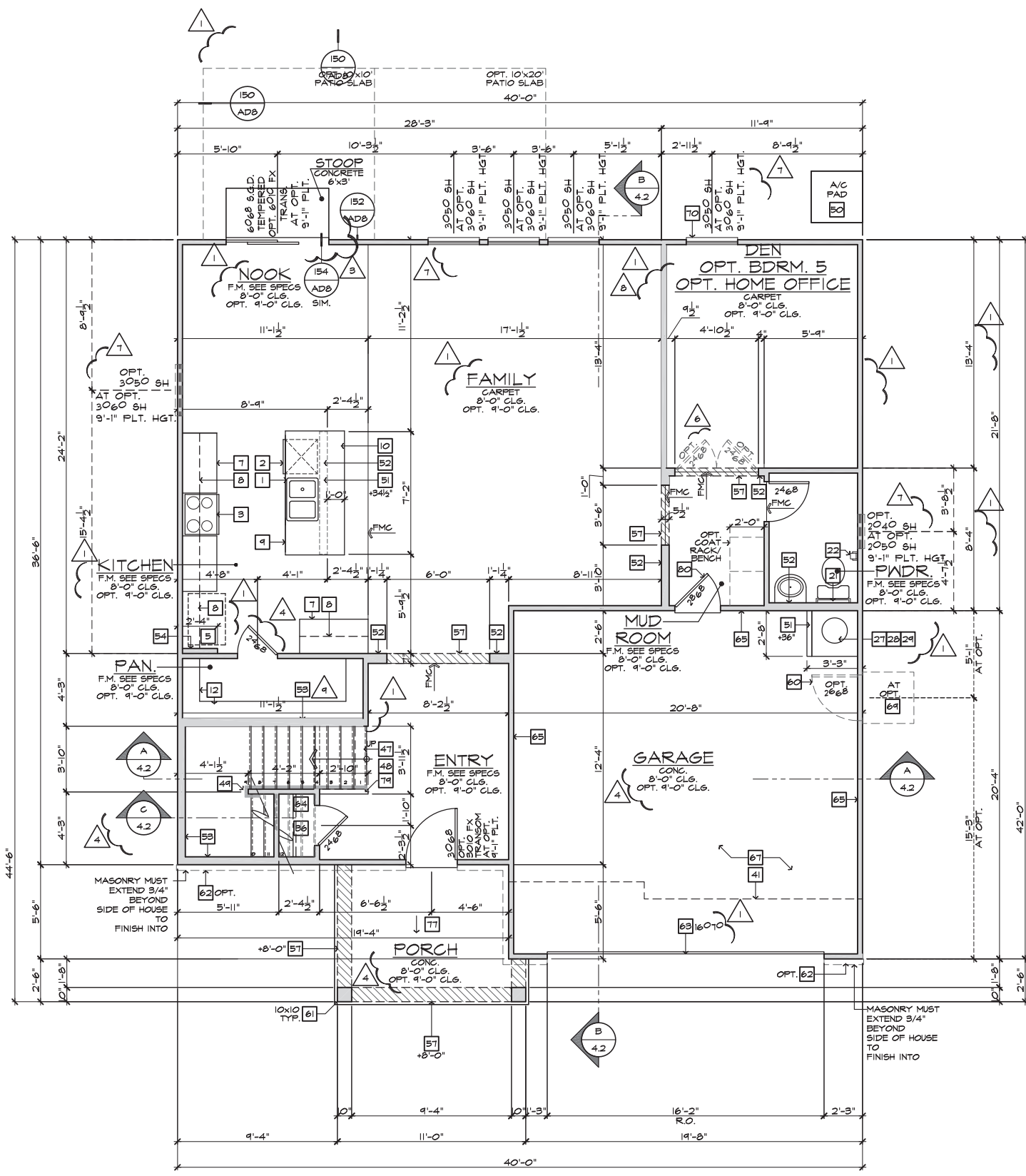
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- 2 2018 CODE UPDATE NC19015NCP/ 03/15/19 / CTD
- 3 DIVISION REVISIONS NC19017NCP - 04/01/19 CTD
- 4 FRAMEWALK REVISIONS NC19033NCP - 05/07/19 - CTD
- 5 DIVISION REVISIONS NC20012NCP - 01/29/20 - KBA
- 6 DIVISION REVISIONS NC20017NCP - 03/04/20 - KBA
- 7 DIVISION REVISIONS NC20023NCP - 05/07/20 - KBA
- 8 HOME OFFICE CORP20063CORP-01/20/20-CTD
- 9 DIVISION REVISION NC21003NCP - 12/18/20 - KBA

PLAN:  
**240.2596-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 NON-VENTED HOOD W/LIGHT & FAN - VERIFY WITH MANUFACTURERS' 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 APPLIANCE 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 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN. (REFER TO TS/AD-4)
  28. RESERVED
  29. MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
  30. FAU 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
  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 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
  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 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 86/AD5)
  67. 5/8" TYPE-X GYP. IN GARAGE BETWEEN CEILING & FLOOR ABV.
  68. P.T. POST W/ WRAP
  69. CONCRETE STOOP, 36"x36" STANDARD 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 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.
  78. RESERVED
  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")

SQUARE FOOTAGE PLAN 240.2596-R	
FIRST FLOOR AREA	1150 SQ. FT.
SECOND FLOOR AREA	1415 SQ. FT.
TOTAL AREA	2573 SQ. FT.
GARAGE AREA	416 SQ. FT.
PORCH AREA(S)	
ELEVATION 'A'	83 SQ. FT.
ELEVATION 'B'	84 SQ. FT.
ELEVATION 'C'	62 SQ. FT.
ELEVATION 'D'	136 SQ. FT.
PATIO AREA(S)	
10'x10' COVERED	100 SQ. FT.
10'x26'-7" COVERED	266 SQ. FT.
DECK AREA(S)	
OPEN 12'x12'	144 SQ. FT.
OPEN 12'x24'	288 SQ. FT.
SCREENED-IN 12'x12'	144 SQ. FT.
SCREENED-IN 12'x24'	288 SQ. FT.
SUNROOM AREA	
12'x12'	144 SQ. FT.

PLATE NOTES	
<b>8'-1" PLATE NOTES</b>	
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.
<b>9'-1" PLATE NOTES</b>	
WINDOW HEADER HEIGHT 1st OR 2nd:	7'-8" U.N.O.
4010 WINDOW OVER TUB HDR. HST.:	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.
<b>STAIR DATA NOTES</b>	
<b>FIRST FLOOR WITH 9'-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'-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	
<b>GENERAL PLAN NOTES</b>	
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**

KB HOME  
NORTH CAROLINA DIVISION

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

**2018 NORTH  
CAROLINA STATE  
BUILDING  
CODES**

ISSUE DATE: 06/02/15  
PROJECT No.: 1350999:56  
DIVISION MGR.: MCP  
REVISIONS: 05/07/19

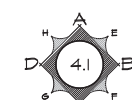
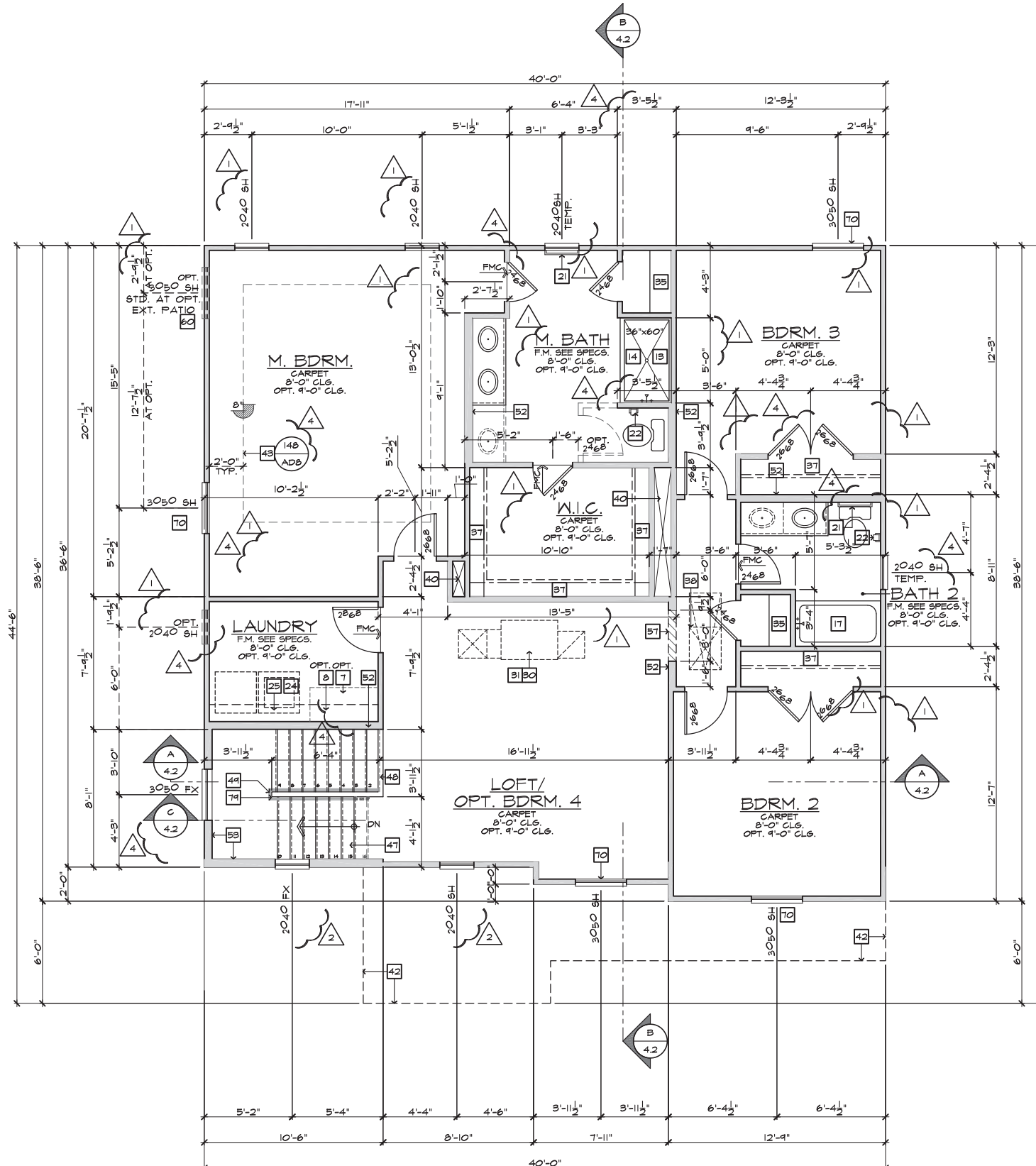
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- 8 HOME OFFICE  
CORP21003CORP-01/20/20-CTD

PLAN:  
**240.2596-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 NON-VENTED HOOD W/LIGHT & FAN - VERIFY WITH MANUFACTURERS' 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'S IN WALL
  22. TOILET PAPER HOLDER - PROVIDE 2x SOLID BLK'S IN WALL
  23. RECESSED, MIRRORED MEDICINE CABINET
  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 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN. (REFER TO TS/AD-4)
  28. RESERVED
  29. MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
  30. FAU LOCATION (REFER TO DETAIL B6/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
  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. T 3/4" RISER - (REFER TO DETAIL B1-B2/AD5)
  48. MIN. 42" HIGH GUARDRAIL (REFER TO DETAIL B6/AD5)
  49. 34" TO 38" HIGH HANDRAIL (REFER TO DETAIL B3/AD5)
  50. A/C PAD 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 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. RESERVED
  67. 5/8" TYPE-X GYP. IN GARAGE BETWEEN CEILING & FLOOR ABV.
  68. P.T. POST W/ WRAP
  69. CONCRETE STOOP: 36"x36" STANDARD 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. RESERVED
  79. SLOPING LOW WALL 38" ABOVE ADJACENT TREADS
  80. 20 MIN. FIRE-RATED DOOR



**INTERIOR KEY**

**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. HST.: 8'-4" 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.
- TRAY CEILING: 7'-4" U.N.O.
- INTERIOR DOOR HEIGHT: 6'-8" U.N.O.

**STAIR DATA NOTES**

- FIRST FLOOR WITH 8'-4" 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.

**SECOND FLOOR PLAN 'A'**

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

BASIC PLAN

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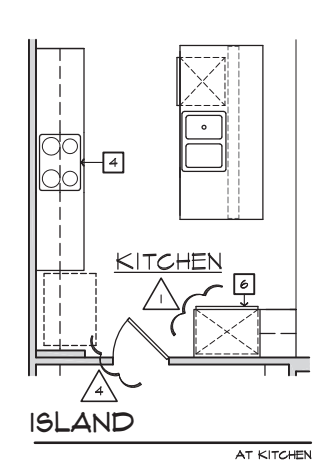
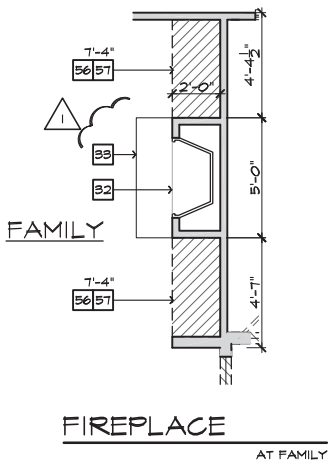
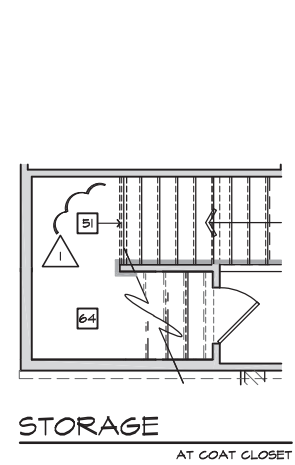
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- 8 HOME OFFICE  
CORP20063CORP-01/20/20-CTD

PLAN:  
**240.2596-R**  
SHEET:  
**1.4**

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

- # FLOOR PLAN NOTES** 208.16-0
- NOTE: NOT ALL KEY NOTES APPLY.**
1. SINK - GARBAGE DISPOSAL OPTIONAL - VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS
  2. DISHWASHER - PROVIDE AIR GAP - VERIFY SPACING & DIMENSIONS PER MANUFACTURERS' SPECS
  3. SLIDE-IN RANGE/OVEN COMBINATION W/ BUILT-IN NON-VENTED HOOD W/LIGHT & FAN - VERIFY WITH MANUFACTURERS' SPECS
  4. 30" COOKTOP W/ BUILT-IN VENTED HOOD W/ LIGHT & FAN - VERIFY WITH MANUFACTURERS' 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. RECESSED, MIRRORED MEDICINE CABINET
  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 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN. (REFER TO TS/AD-4)
  28. RESERVED
  29. MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
  30. F.A.U. LOCATION (REFER TO DETAIL B6/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 DETAIL T3/AD4)
  37. WARDROBE W/ SHELF & POLE (REFER TO DETAIL T3/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
  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. T 3/4" RISER - (REFER TO DETAIL 81-82/AD5)
  48. MIN. 42" HIGH GUARDRAIL (REFER TO DETAIL B6/AD5)
  49. 34" TO 38" HIGH HANDRAIL (REFER TO DETAIL B3/AD5)
  50. A/C PAD 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.) PYPON 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. RESERVED
  67. 5/8" TYPE-X GYP. IN GARAGE BETWEEN CEILING & FLOOR ABV.
  68. P.T. POST W/ WRAP
  69. CONCRETE STOOP: 36"x36" STANDARD 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 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.
  78. RESERVED
  79. SLOPING LOW WALL 38" ABOVE ADJACENT TREADS
  80. 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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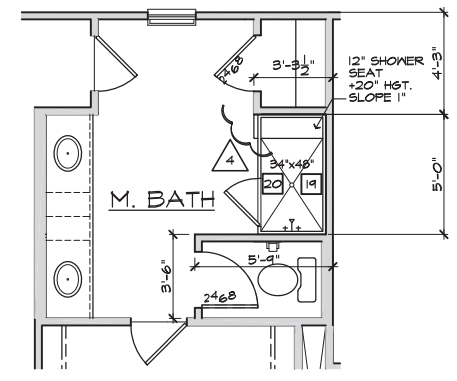
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CORP20093CORP-01/20/20-CTD

PLAN:  
**240.2596-R**  
SHEET:  
**1.5**

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

- # FLOOR PLAN NOTES** 208.16-0
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1. SINK - GARBAGE DISPOSAL OPTIONAL - VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS
  2. DISHWASHER - PROVIDE AIR GAP - VERIFY SPACING & DIMENSIONS PER MANUFACTURERS' SPECS
  3. SLIDE-IN RANGE/OVEN COMBINATION W/ BUILT-IN NON-VENTED HOOD W/LIGHT & FAN - VERIFY WITH MANUFACTURERS' SPECS
  4. 30" COOKTOP W/ BUILT-IN VENTED HOOD W/ LIGHT & FAN - VERIFY WITH MANUFACTURERS' SPECS
  5. 34" CLEAR REFRIGERATOR SPACE W/ OPTIONAL CABINETS ABOVE - OPT. PLUMBING FOR ICEMAKER (RECESSED IN WALL)
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  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.
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  25. 12" SHELF PER SPECS
  26. OPT. LAUNDRY SINK - REFER TO INTERIOR ELEV'S
  27. WATER HEATER LOCATION: - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN. (REFER TO TS/AD4)
  28. RESERVED
  29. MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
  30. F.A.U. LOCATION (REFER TO DETAIL B6/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 DETAIL T3/AD4)
  37. WARDROBE W/ SHELF & POLE (REFER TO DETAIL T3/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
  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. T 3/4" RISER - (REFER TO DETAIL 81-82/AD5)
  48. MIN. 42" HIGH GUARDRAIL (REFER TO DETAIL B6/AD5)
  49. 34" TO 38" HIGH HANDRAIL (REFER TO DETAIL B3/AD5)
  50. A/C PAD 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.) PYFON 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. RESERVED
  67. 5/8" TYPE-X GYP. IN GARAGE BETWEEN CEILING & FLOOR ABV.
  68. P.T. POST W/ WRAP
  69. CONCRETE STOOP: 36"x36" STANDARD 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 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.
  78. RESERVED
  79. SLOPING LOW WALL 38" ABOVE ADJACENT TREADS
  80. 20 MIN. FIRE-RATED DOOR

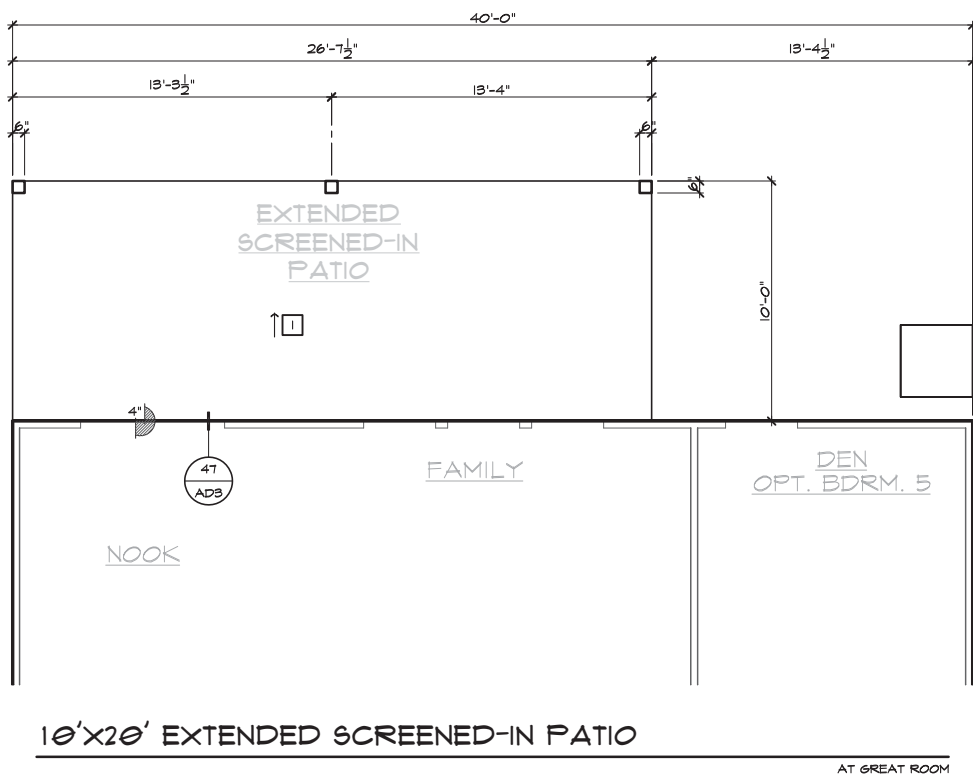


**DELUXE M. BATH**  
AT M. BATH

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

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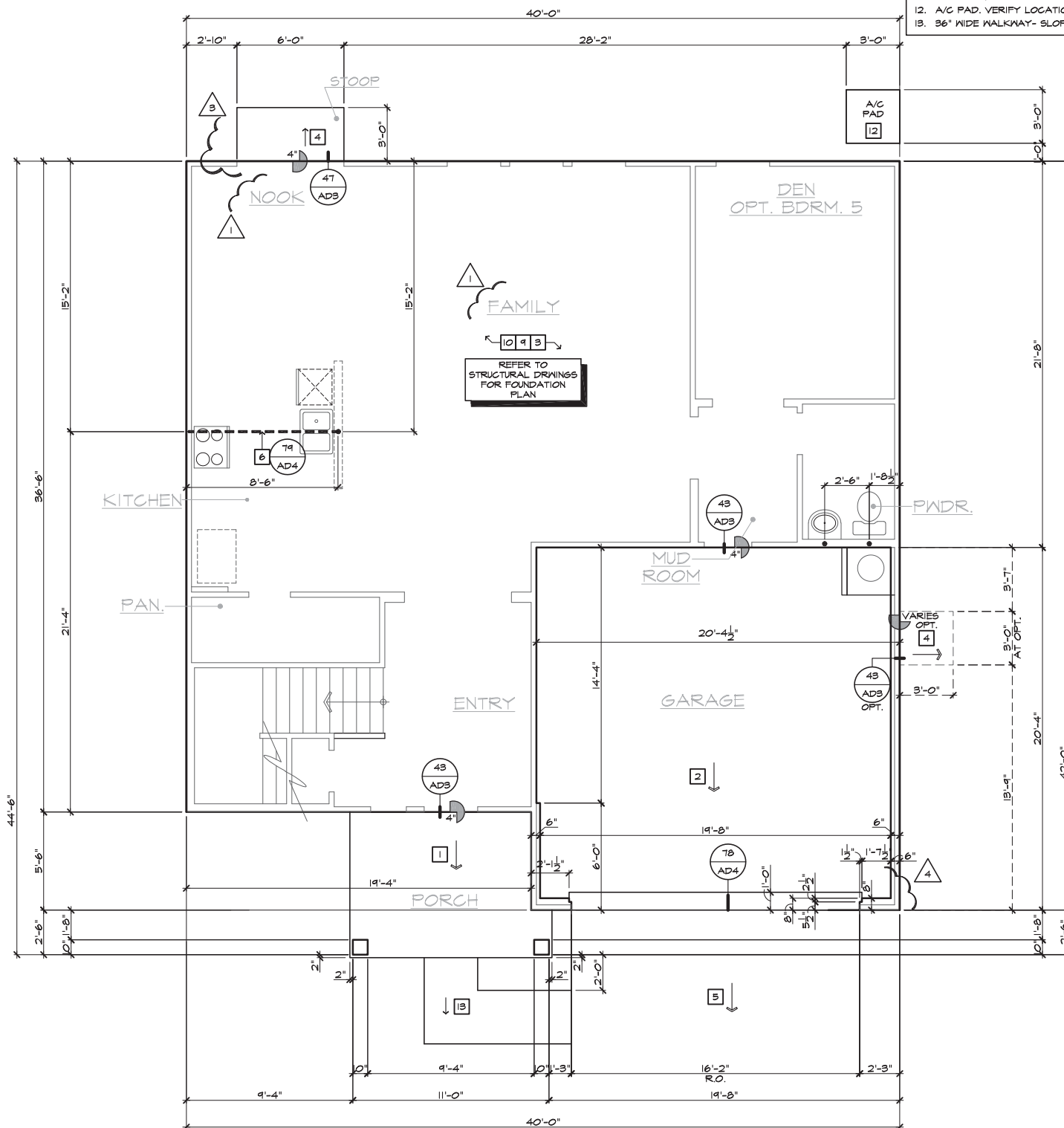




**SLAB INTERFACE PLAN OPTIONS**

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

BASIC PLAN AT SLAB-ON-GRADE



**SLAB INTERFACE PLAN 'A'**

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

BASIC PLAN AT SLAB-ON-GRADE

- SLAB PLAN NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
1. CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.
  2. CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER 1'-0" MIN. TOWARD DOOR 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. 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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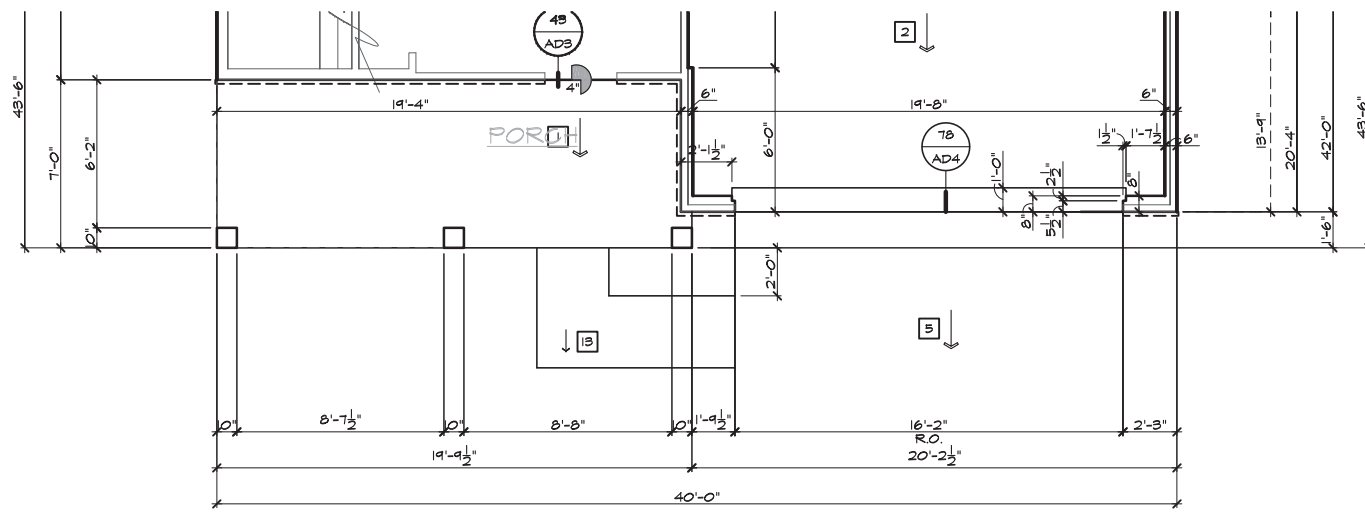
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**SPEC. LEVEL 1  
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**PARTIAL SLAB INTERFACE PLAN 'D'**

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

BASIC PLAN AT SLAB-ON-GRADE

- | #                              | 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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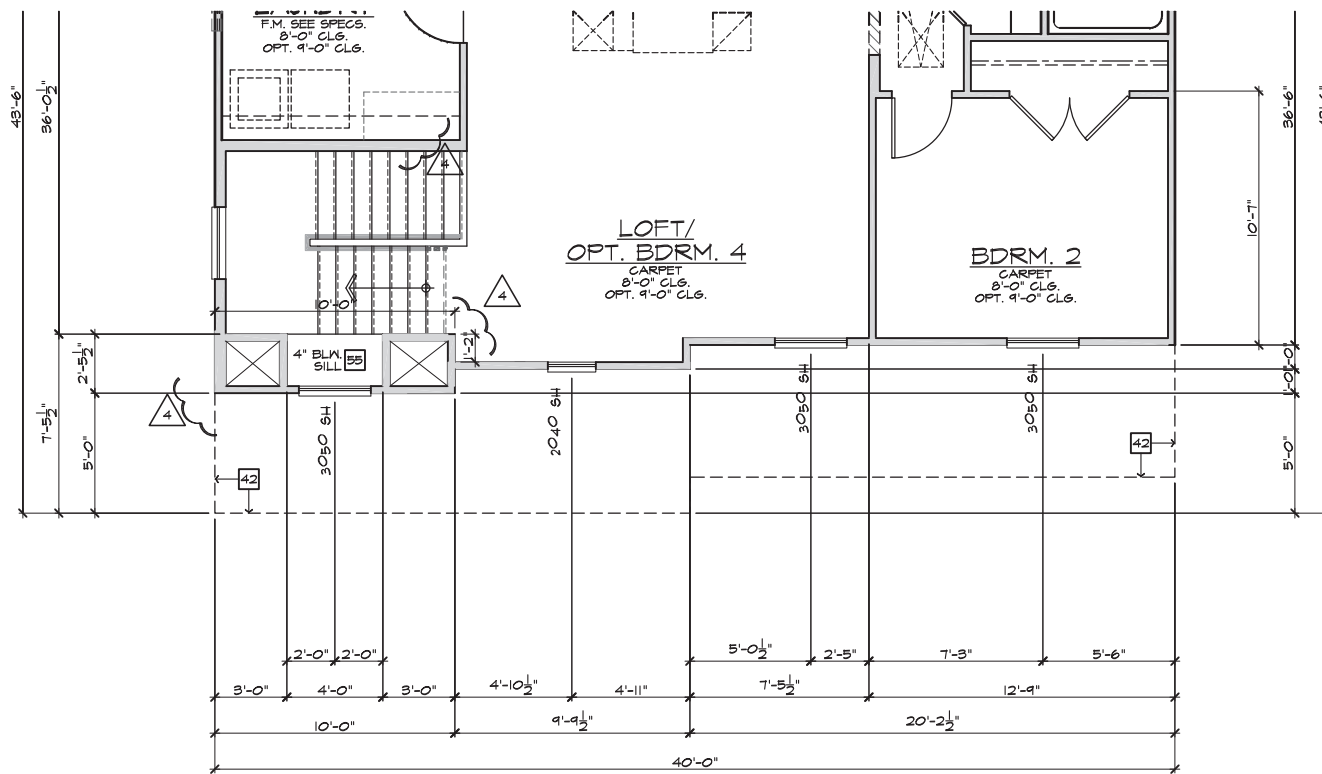
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**SPEC. LEVEL 1  
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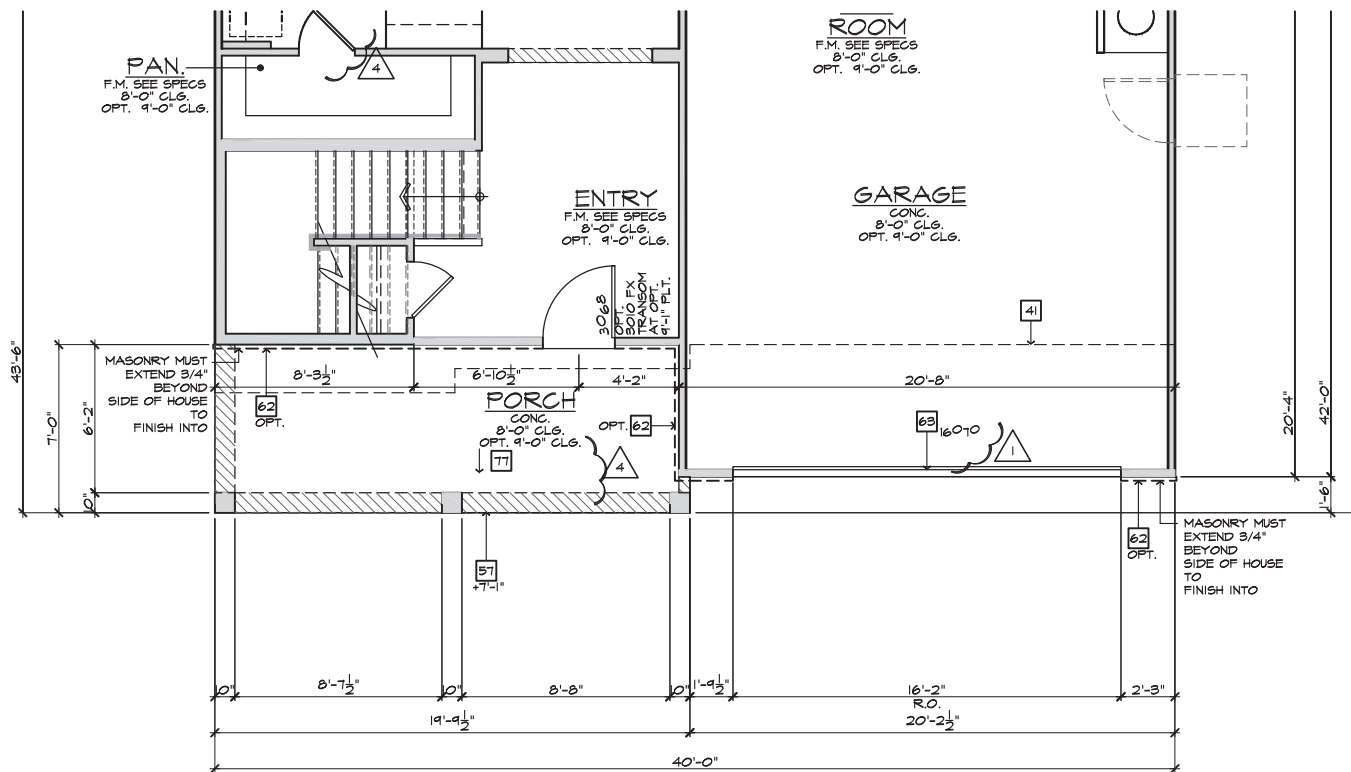
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PARTIAL SECOND FLOOR PLAN 'D'

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
49.	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.)
62.	BRICK / STONE VENEER - REFER TO ELEVATIONS
63.	SECTIONAL GARAGE DOOR PER SPECS
66.	3" DIAM. CONCRETE FILLED FIRE 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 VINYL 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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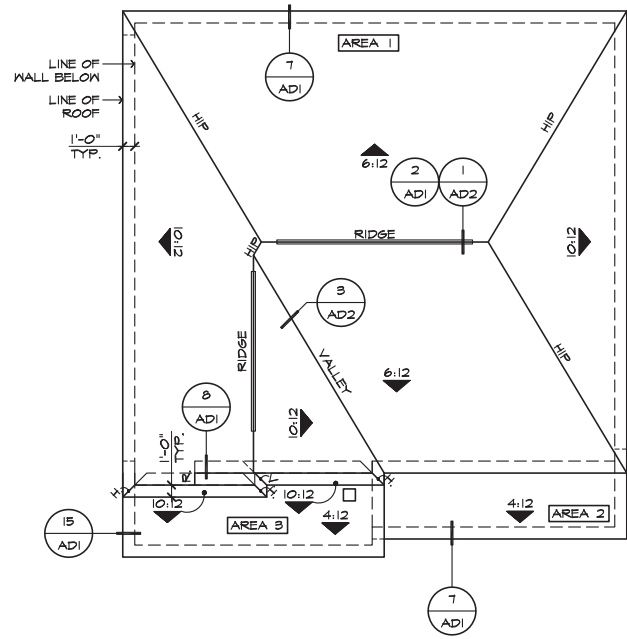
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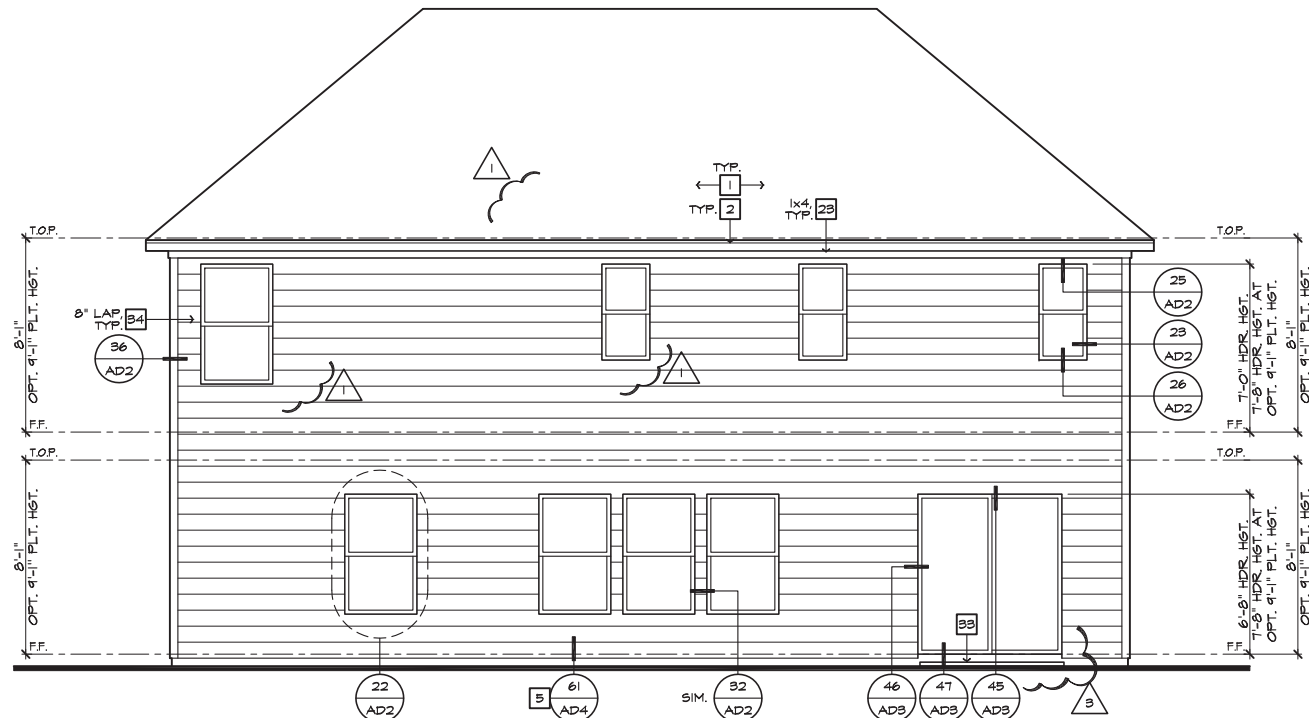
NOTE:  
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ROOF PLAN 'D'

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')

#	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.	SYNTHETIC MATERIAL
15.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
16.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
17.	SHAKE SIDING
18.	STONE VENEER PER SPECS
19.	BRICK/MASONRY VENEER PER SPECS
20.	BUILT UP BRICK COLUMN
21.	SOLDIER COURSE
22.	ROWLOCK COURSE
23.	FRIEZE BOARD
24.	SIDING W/ 4" CORNER TRIM PER SPECS
25.	P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
26.	PRE-FAB DECORATIVE TRIM
27.	LIGHT WEIGHT PRECAST STONE TRIM
28.	P.T. LUMBER RAILINGS (36" U.N.O.)
29.	WRAP
30.	DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE
31.	BRACKET OR KICKER - FYPON OR EQ.
32.	ENTRY DOOR
33.	CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.
34.	SECTIONAL GARAGE DOOR PER SPECS
35.	ALUMINUM WRAP
36.	OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS
37.	OPTIONAL STANDING SEAM METAL ROOF
38.	KEYSTONE
39.	SOLDIER CROWN
40.	JACK SOLDIER COURSE
41.	WATER TABLE
42.	ATRIUM DOOR
43.	PILASTER - SEE ELEVATION FOR TYPE

#	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 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	VENTILATION REQUIRED:	VENTILATION PROVIDED:
AREA 1	ATTIC AREA = 1442 SQ. FT. / 300 = 4.81 SQ. FT. X 144 = 716.16 SQ. IN.	HIGH 36 LINEAR FEET RIDGE VENT AT 18 SQ. IN. PER FOOT = 648 SQ. IN. (1) L1418 GABLE END VENT X 108 SQ. IN. = 108 SQ. IN. TOTAL HIGH = 756 SQ. IN.
		LOW 134 LINEAR FEET EAVE VENT AT 5 SQ. IN. PER FOOT = 670 SQ. IN. (1) L1418 GABLE END VENT X 108 SQ. IN. = 108 SQ. IN. TOTAL LOW = 778 SQ. IN. TOTAL = 1534 SQ. IN.

AREA	VENTILATION REQUIRED:	VENTILATION PROVIDED:
AREA 2	ATTIC AREA = 102 SQ. FT. / 150 = 0.68 SQ. FT. X 144 = 97.92 SQ. IN.	HIGH 20 LINEAR FEET EAVE VENT AT 5 SQ. IN. PER FOOT = 100 SQ. IN. TOTAL = 100 SQ. IN.

AREA	VENTILATION REQUIRED:	VENTILATION PROVIDED:
AREA 3	ATTIC AREA = 106 SQ. FT. / 150 = 0.71 SQ. FT. X 144 = 101.76 SQ. IN.	HIGH (1) 5-144 ROOF VENT(S) X 144 SQ. IN. EA. = 144 SQ. IN.
		LOW 20 LINEAR FEET EAVE VENT AT 5 SQ. IN. PER FOOT = 100 SQ. IN. TOTAL = 244 SQ. IN.



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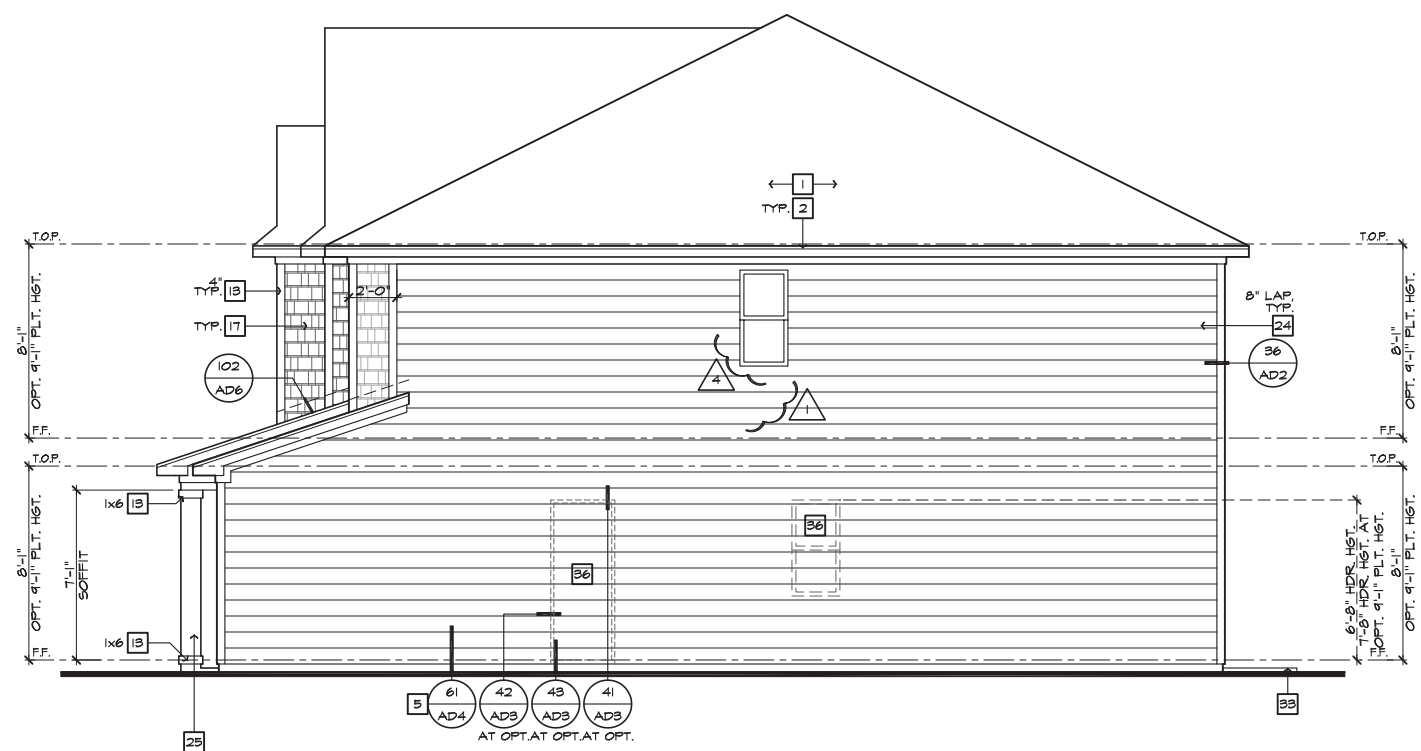
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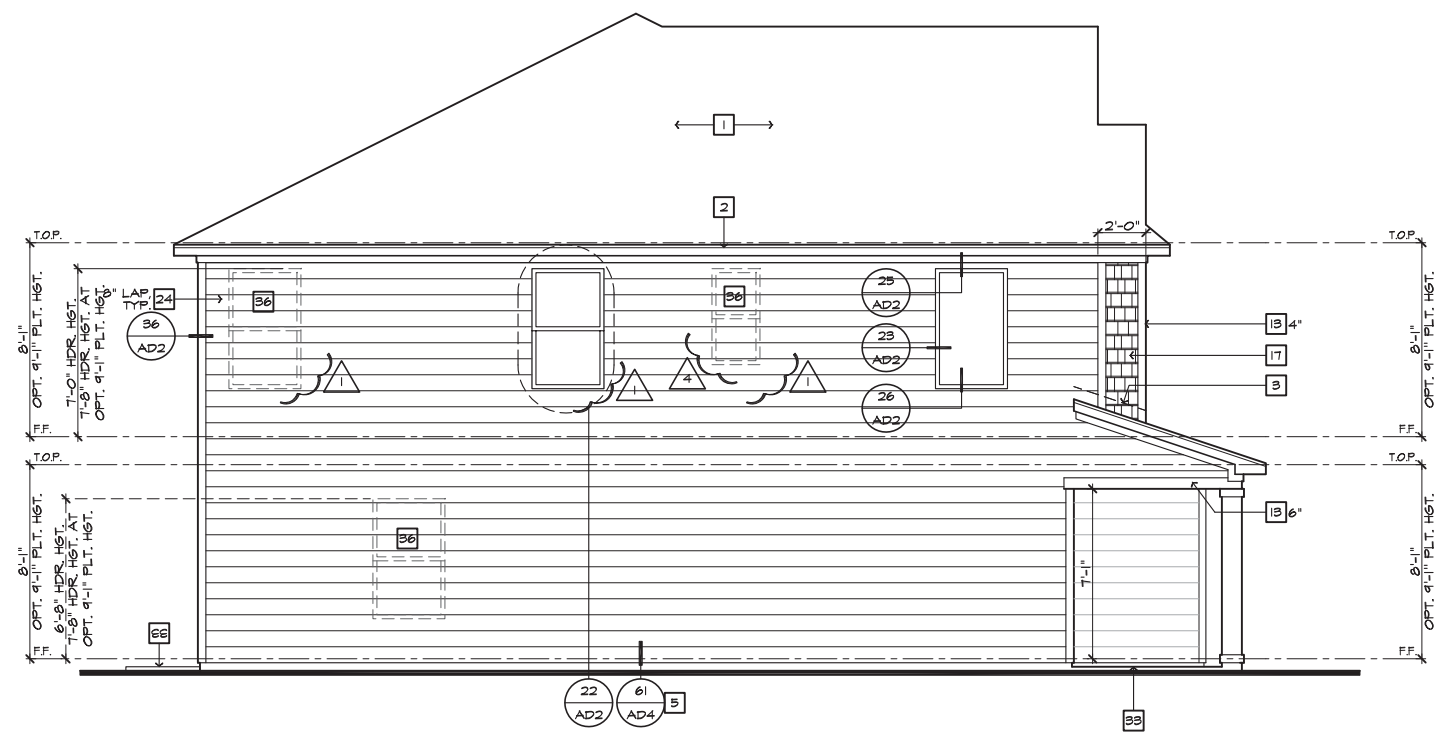
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**RIGHT ELEVATION 'D'**  
SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")



**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.	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.	SYNTHETIC MATERIAL
15.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
16.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
17.	SHAKE SIDING
18.	STONE VENEER PER SPECS
19.	BRICK/MASONRY VENEER PER SPECS
20.	BUILT UP BRICK COLUMN
21.	SOLDIER COURSE
22.	ROWLOCK COURSE
23.	FRIEZE BOARD
24.	SIDING W/ 4" CORNER TRIM PER SPECS
25.	P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
26.	PRE-FAB DECORATIVE TRIM
27.	LIGHT WEIGHT PRECAST STONE TRIM
28.	P.T. LUMBER RAILINGS (+36" U.N.O.)
29.	WRAP
30.	DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.
31.	BRACKET OR KICKER - FYPON OR EQ.
32.	ENTRY DOOR
33.	CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.
34.	SECTIONAL GARAGE DOOR PER SPECS
35.	ALUMINUM WRAP
36.	OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS
37.	OPTIONAL STANDING SEAM METAL ROOF
38.	KEYSTONE
39.	SOLDIER CROWN
40.	JACK SOLDIER COURSE
41.	WATER TABLE
42.	ATRIUM DOOR
43.	PILASTER - SEE ELEVATION FOR TYPE

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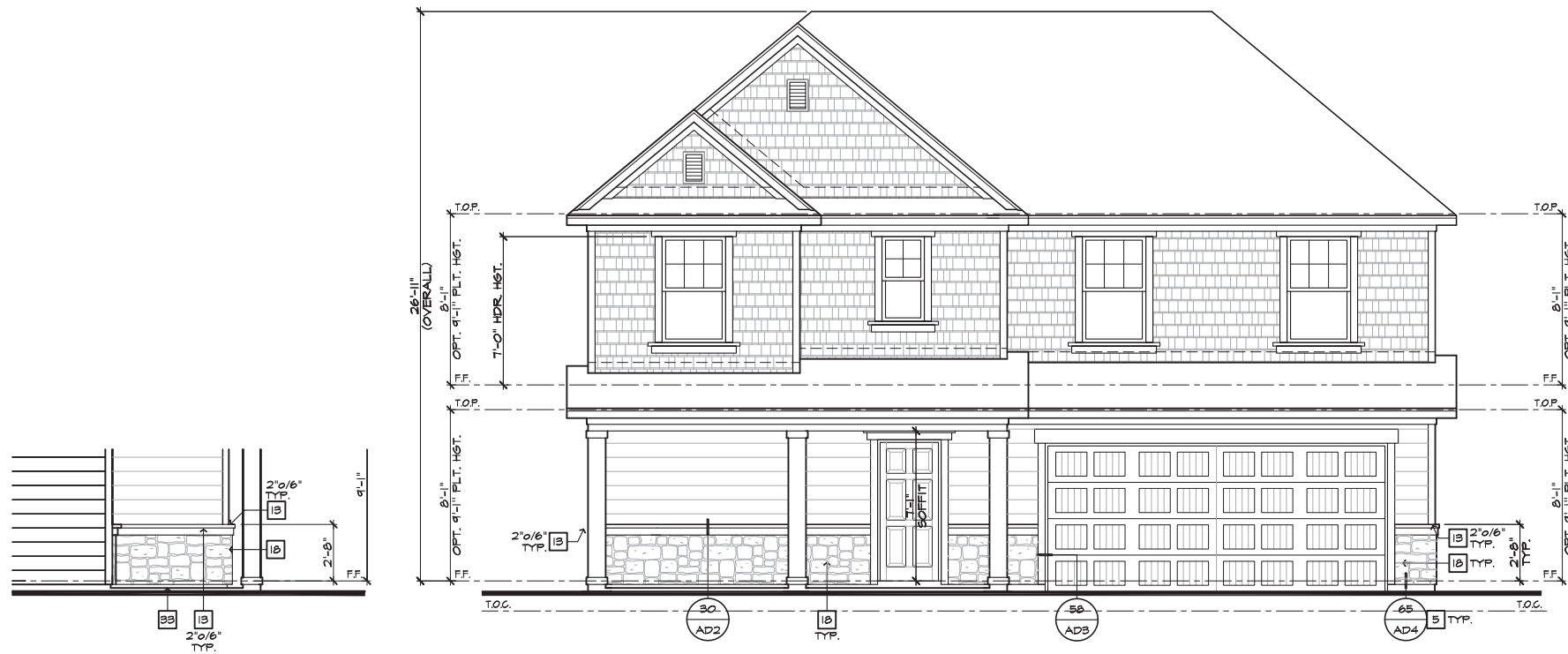
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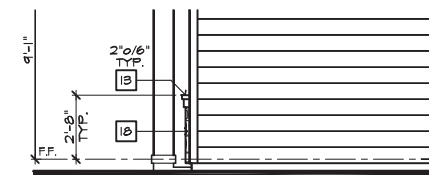
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**RALEIGH-DURHAM  
40' SERIES**

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LEFT ELEVATION 'D'  
W/ OPTIONAL STONE  
AT OPTIONAL 9'-1" PLT. HGT.  
SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

FRONT ELEVATION 'D'  
W/ OPTIONAL STONE  
AT OPTIONAL 9'-1" PLT. HGT.  
SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")



RIGHT ELEVATION 'D'  
W/ OPTIONAL STONE  
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.	SYNTHETIC MATERIAL
15.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
16.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
17.	SHAKE SIDING
18.	STONE VENEER PER SPECS
19.	BRICK/MASONRY VENEER PER SPECS
20.	BUILT UP BRICK COLUMN
21.	SOLDIER COURSE
22.	ROWLOCK COURSE
23.	FRIEZE BOARD
24.	SIDING W/ 4" CORNER TRIM PER SPECS
25.	P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
26.	PRE-FAB DECORATIVE TRIM
27.	LIGHT WEIGHT PRECAST STONE TRIM
28.	P.T. LUMBER RAILINGS (+36" U.N.O.)
29.	WRAP
30.	DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.
31.	BRACKET OR KICKER - FYPON OR EQ.
32.	ENTRY DOOR
33.	CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.
34.	SECTIONAL GARAGE DOOR PER SPECS
35.	ALUMINUM WRAP
36.	OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS
37.	OPTIONAL STANDING SEAM METAL ROOF
38.	KEYSTONE
39.	SOLDIER CROWN
40.	JACK SOLDIER COURSE
41.	WATER TABLE
42.	ATRIUM DOOR
43.	PILASTER - SEE ELEVATION FOR TYPE

#	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.	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 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.



**NORTH CAROLINA  
40' SERIES**

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4518 S. MIAMI BLVD.  
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**2018 NORTH  
CAROLINA STATE  
BUILDING  
CODES**

ISSUE DATE: 06/02/15  
PROJECT No.: 1350999:56  
DIVISION MGR.: MCP  
REVISIONS: 05/07/19

- 1 DIVISION REVISIONS  
NC18024NCP - 08/24/18 - CTD
- 2 2018 CODE UPDATE  
NC19015NCP/ 03/15/19 / CTD
- 3 DIVISION REVISION  
NC19017NCP- 04/01/19 CTD
- 4 FRAMEWALK REVISIONS  
NC19033NCP- 05/07/19 - CTD
- 5 DIVISION REVISIONS  
NC20012NCP- 01/29/20 - KBA

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1. _____
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3. _____
4. _____
5. _____
6. _____

PLAN:  
**240.2596-R**  
SHEET:  
**3.D7**

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

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

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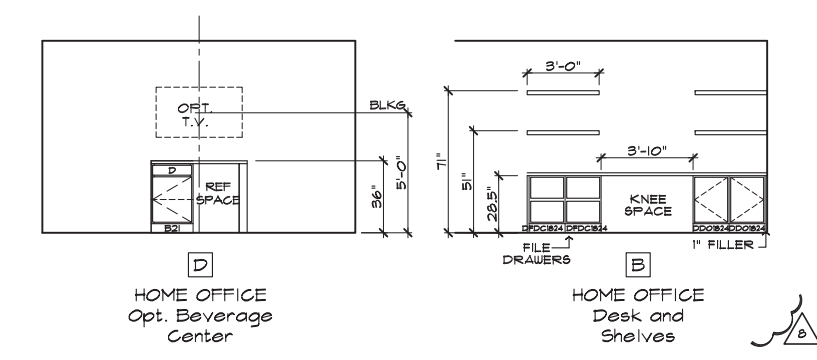
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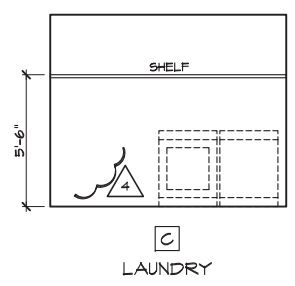
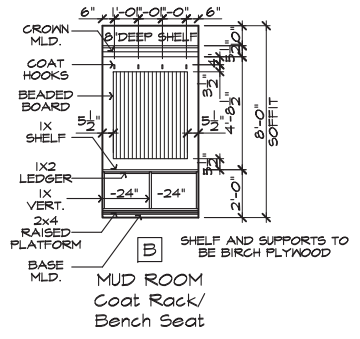
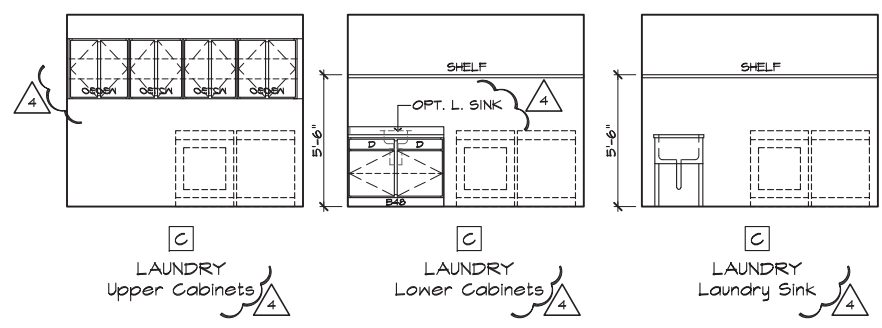
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NC20017NCP - 03/04/20 - KBA
- 7 DIVISION REVISIONS  
NC20023NCP - 05/07/20 - KBA
- 8 HOME OFFICE  
CORP20063CORP-01/20/20-CTD

PLAN:  
**240.2596-R**  
SHEET:  
**4.1**

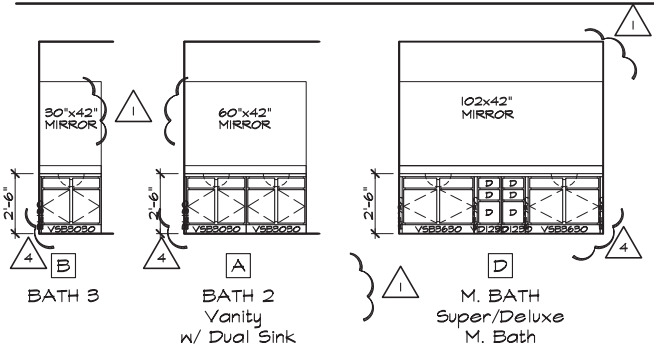
**SPEC. LEVEL 1  
RALEIGH-DURHAM  
40' SERIES**



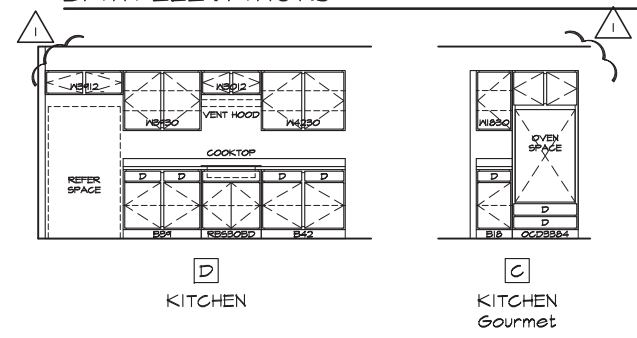
MISC. ELEVATIONS



INTERIOR ELEVATIONS



BATH ELEVATIONS

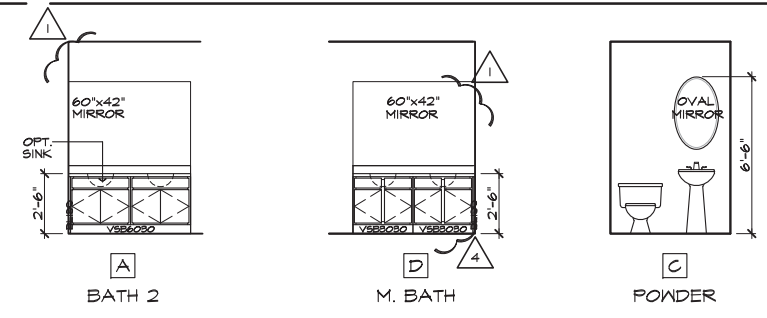


KITCHEN ELEVATIONS

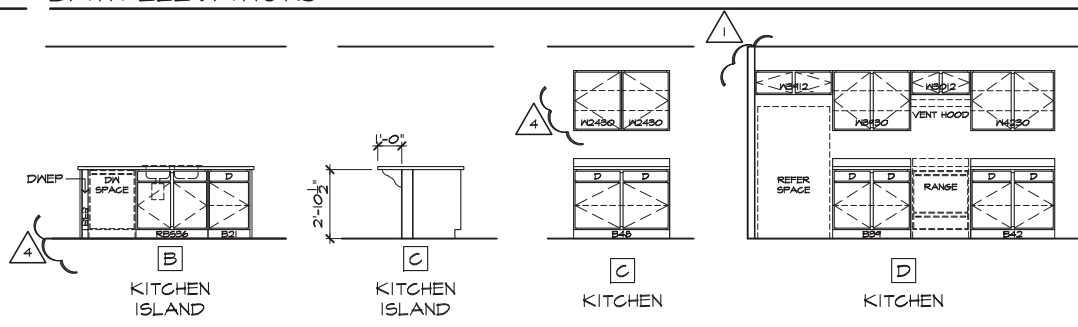
OPTIONAL INTERIOR ELEVATIONS

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

INTERIOR ELEVATIONS



BATH ELEVATIONS



KITCHEN ELEVATIONS

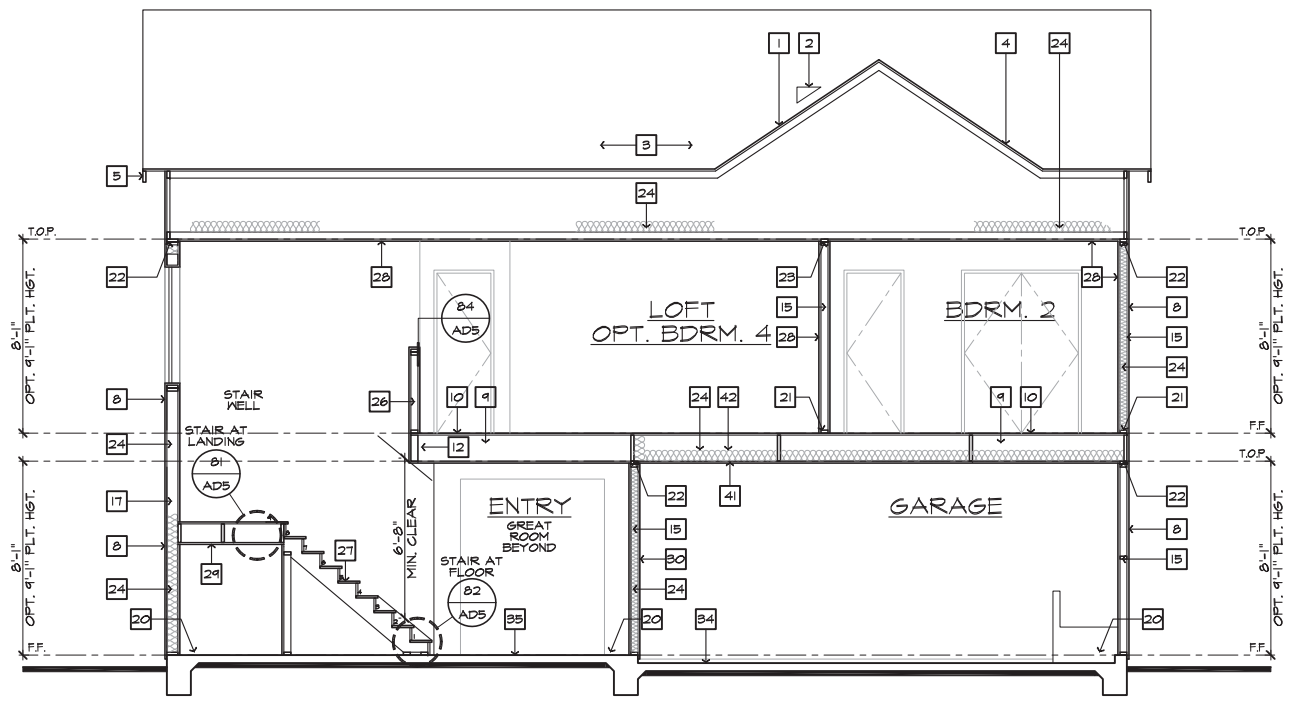
INTERIOR ELEVATIONS

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

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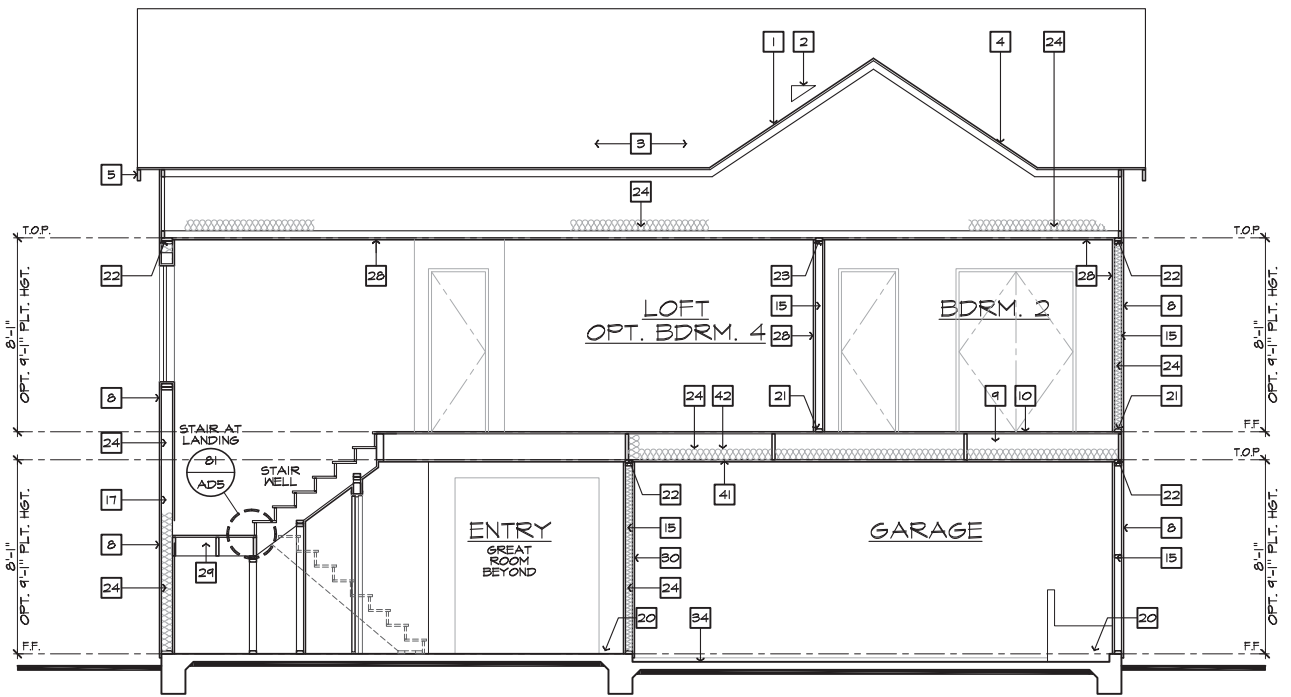


#	SECTION NOTES
NOTE: NOT ALL KEY NOTES APPLY.	
1.	ROOF MATERIAL - REFER TO ROOF NOTES
2.	ROOF PITCH - REFER TO ROOF NOTES
3.	PRE-MANUFACTURED WOOD ROOF TRUSS SYSTEM - SEE STRUCTURAL & TRUSS CALCS
4.	ROOF SHEATHING PER STRUCTURAL
5.	2x FASCIA/BARGE BOARD
6.	CONT. SOFFITED EAVE W/ VENTING
7.	6.1. FLASHING - ROOF TO WALL
8.	EXTERIOR FINISH PER ELEVATIONS
9.	FLOOR FRAMING PER STRUCTURAL
10.	FLOOR SHEATHING PER STRUCTURAL
11.	HEADER PER STRUCTURAL
12.	FLUSH BEAM PER STRUCTURAL
13.	DROPPED BEAM PER STRUCTURAL
14.	FLAT/ ARCHED SOFFIT PER PLAN
15.	2x4 STUD WALL
16.	2x6 STUD WALL
17.	2x6 BALLOON FRAMED WALL PER STRUCTURAL
18.	DBL. 2x4 WALL PER PLAN
19.	2x CRIPPLES @ 16" O.C.
20.	2x PRESSURE TREATED SILL PLATE
21.	2x SOLE PLATE
22.	DBL. 2x TOP PLATE @ EXTERIOR & BEARING WALLS
23.	1x OVER 2x TOP PLATE @ INTERIOR & NON-BEARING WALLS
24.	INSULATION MATERIAL PER ENERGY CALCULATIONS
25.	MIN. 36" HIGH GUARD - SEE PLAN FOR HEIGHT
26.	LOW WALL - SEE PLAN FOR HEIGHT
27.	STAIR TREADS AND RISERS PER PLAN - MIN. 10" TREAD & MAX. 7 3/4" RISER
28.	INTERIOR FINISH - MIN. 1/2" GYP. BD. @ WALLS & SAG RESISTANT OR 5/8" DRYWALL @ CEILING
29.	MIN. 1/2" GYP. BD. ON CEILING & WALLS @ USEABLE SPACE UNDER STAIRS
30.	GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAN 1/2" GYP. BD. @ GARAGE SIDE WALLS & 5/8" UNDER LIVING AREA U.N.O.
31.	MATERIAL TO UNDERSIDE OF ROOF SHEATHING
32.	INTERIOR SHELF - MIN. 1/2" GYP. BD. OVER 3/8" PLY MD.
33.	CONCRETE PATIO/ PORCH SLAB PER STRUCTURAL - SLOPE 1/4" PER FT. MIN.
34.	CONCRETE GARAGE SLAB PER STRUCTURAL - SLOPE 2" MIN.
35.	CONCRETE FOUNDATION PER STRUCTURAL
36.	LINE OF OPTIONAL TRAY CEILING/ STEP CEILING
37.	LINE OF OPTIONAL VOLUME CEILING
38.	PROFILE OF OPTIONAL COVERED PATIO
39.	EXTERIOR SOFFIT MATERIAL - REFER TO ELEVATIONS.
40.	8" BLOCK WALL
41.	5/8" TYPE-X DRYWALL @ GARAGE CEILING
42.	WHEN THERE IS USABLE SPACE ABOVE AND BELOW THE CONCEALED SPACE OF A FLOOR-CEILING ASSEMBLY IN A SINGLE-FAMILY DWELLING, DRAFT STOPS SHALL BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED 1000 SQUARE FEET. DRAFTSTOPPING SHALL DIVIDE THE CONCEALED SPACE INTO APPROXIMATELY EQUAL AREAS.



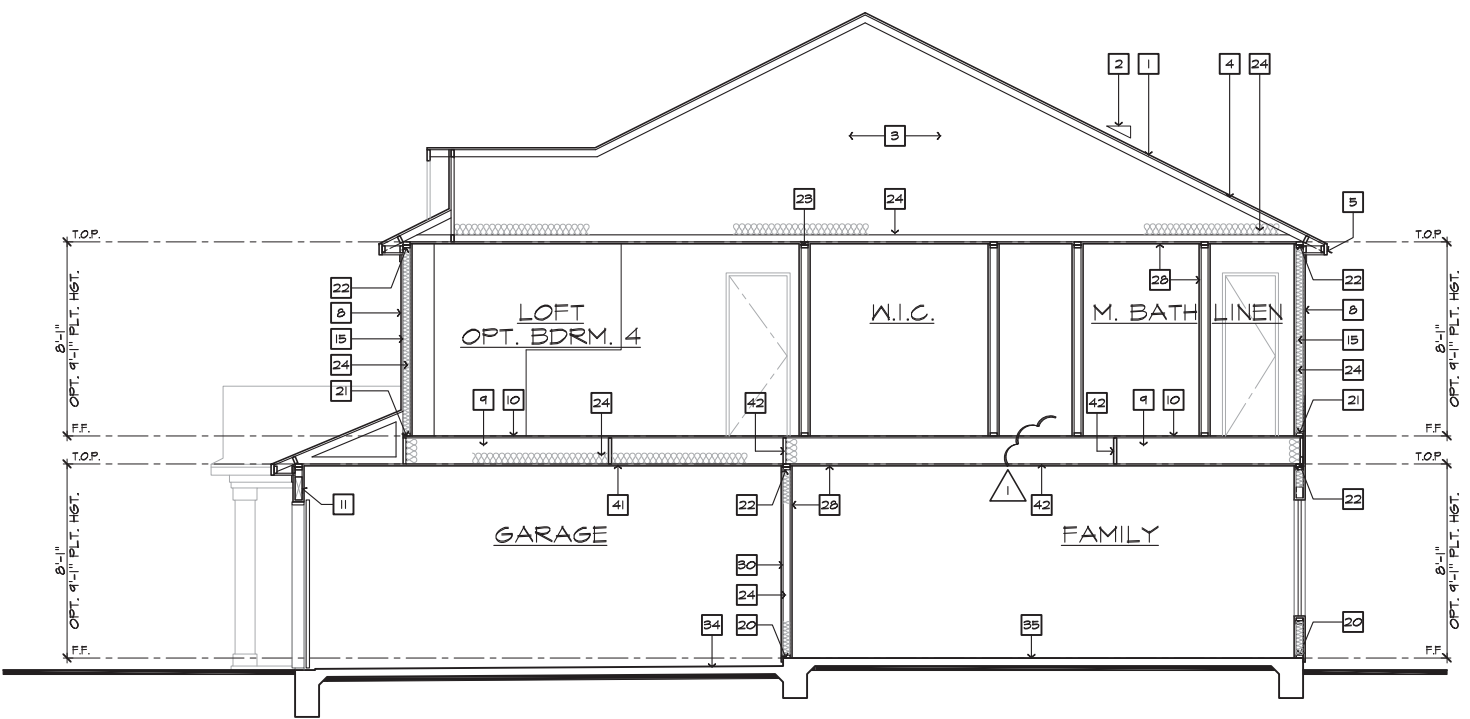
SECTION "A"  
SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

AT SLAB-ON-GRADE



SECTION "C"  
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

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- 5 DIVISION REVISIONS  
NC20012NCP - 01/29/20 - KBA

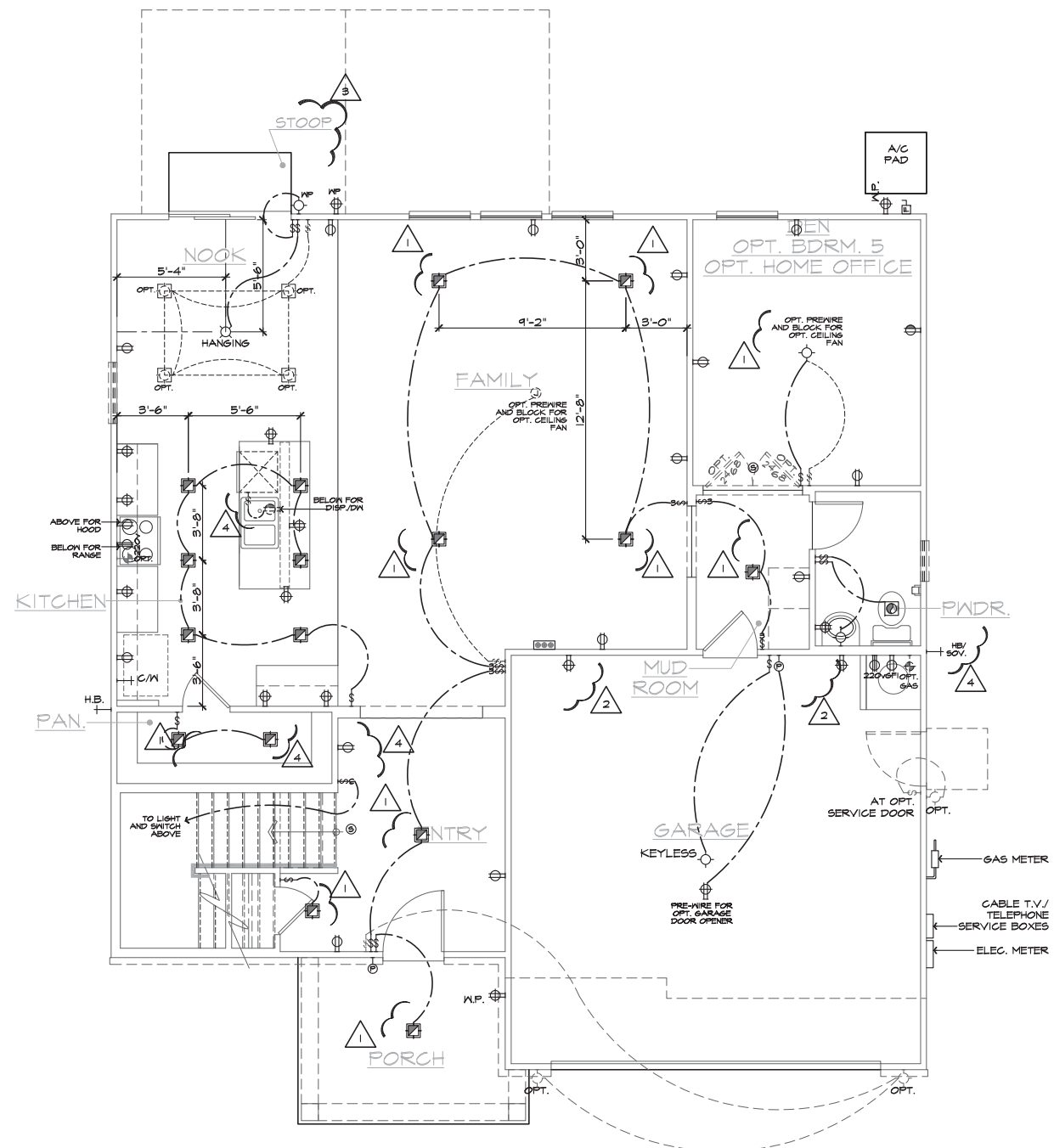
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PLAN:  
**240.2596-R**  
SHEET:  
**4.2**

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

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**FIRST FLOOR UTILITY PLAN**

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

BASIC PLAN

**UTILITY LEGEND**

120V DUPLEX CONVENIENCE RECEPTACLE  
ARC FAULT (AFCI) AND TAMPER RESISTANT (TR)  
12" ABV. FIN. FLR. TYPICAL U.N.O.

120V (TR) RECEPTACLE W/ GFI CIRCUIT  
W/ WATER RESISTANT HOUSING

120V (TR) RECEPTACLE W/ GFI CIRCUIT

FUSED DISCONNECT

120V (AFCI & TR) RECESSED FLOOR RECEPTACLE W/ COVER

120V (AFCI & TR) DUPLEX CONVENIENCE RECEPTACLE SWITCH CONTROLLED, 1/2 HOT

220V SINGLE CONVENIENCE RECEPTACLE HEIGHT NOTED AS PER PLAN

TWO-POLE LIGHT SWITCH AT 42" ABV. FIN. FLR. 8" ABOVE COUNTER U.N.O.

THREE-POLE LIGHT SWITCH

FOUR-POLE LIGHT SWITCH

W.P. WALL MOUNTED LIGHT FIXTURE W/ WATER RESISTANT HOUSING

WALL MOUNTED INCANDESCENT LIGHT FIXTURE

WALL MOUNTED FLUORESCENT LIGHT FIXTURE

CEILING MOUNTED INCANDESCENT LIGHT FIXTURE

CEILING MOUNTED FLUORESCENT LIGHT FIXTURE

HANGING INCANDESCENT LIGHT FIXTURE

RECESSED INCANDESCENT DIRECTIONAL LIGHT FIXTURE (EYE BALL)

RECESSED INCANDESCENT LIGHT FIXTURE

LIGHTING - TRAVERSE II LED FIXTURE - PER SPECS

W.P. RECESSED INCANDESCENT LIGHT FIXTURE W/ WATER RESISTANT HOUSING

RECESSED FLUORESCENT LIGHT FIXTURE

RECESSED EXHAUST FAN

RECESSED EXHAUST FAN/ INCANDESCENT LIGHT COMBINATION

RECESSED EXHAUST FAN/ FLUORESCENT LIGHT COMBINATION

INCANDESCENT WALL SCONCE

ILLUMINATED ADDRESS SIGN - VISIBLE FROM STREET

24"x48" FLUORESCENT LIGHT BOX (CEILING MOUNTED)

12"x48" FLUORESCENT LIGHT BOX (CEILING MOUNTED)

OPTIONAL PRE-WIRED CEILING FAN AND SWITCH - LOCATED IN CENTER OF ROOM U.N.O.

CEILING MOUNTED JUNCTION BOX

WALL MOUNTED JUNCTION BOX

DOOR CHIME

CATV RECEPTACLE

PUSH BUTTON

PHONE OUTLET

SERVICE BOX

HOSE BIB

HOSE BIB W/ S.O.V.

WATER STUB FOR ICE MAKER

APPROVED CEILING MOUNTED SMOKE DETECTOR TO BE HARD WIRED WITH BATTERY BACK-UP AND INTERCONNECTED

APPROVED CARBON MONOXIDE ALARM/ SMOKE DET.

THERMOSTAT (VERIFY LOCATION W/ HVAC PLAN)

GAS TAP

GAS KEY - FIREPLACE GAS VALVES SHALL BE LOCATED OUTSIDE OF REQUIRED HEARTH AREA, BUT NO MORE THAN 48" FROM GAS OUTLET

SWITCHING FOR ROOMS W/ GLG. FAN OPTIONS

24" MIN. SEPARATION OF ELECTRICAL BOXES AS SHOWN BELOW

LIGHT / FAN 1/2 HOT

LIGHT FAN 1/2 HOT

2-0" GFI MIN.

DWELLING

SECONDARY MASTER GARAGE

**NOTES**

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



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**2018 NORTH CAROLINA STATE BUILDING CODES**

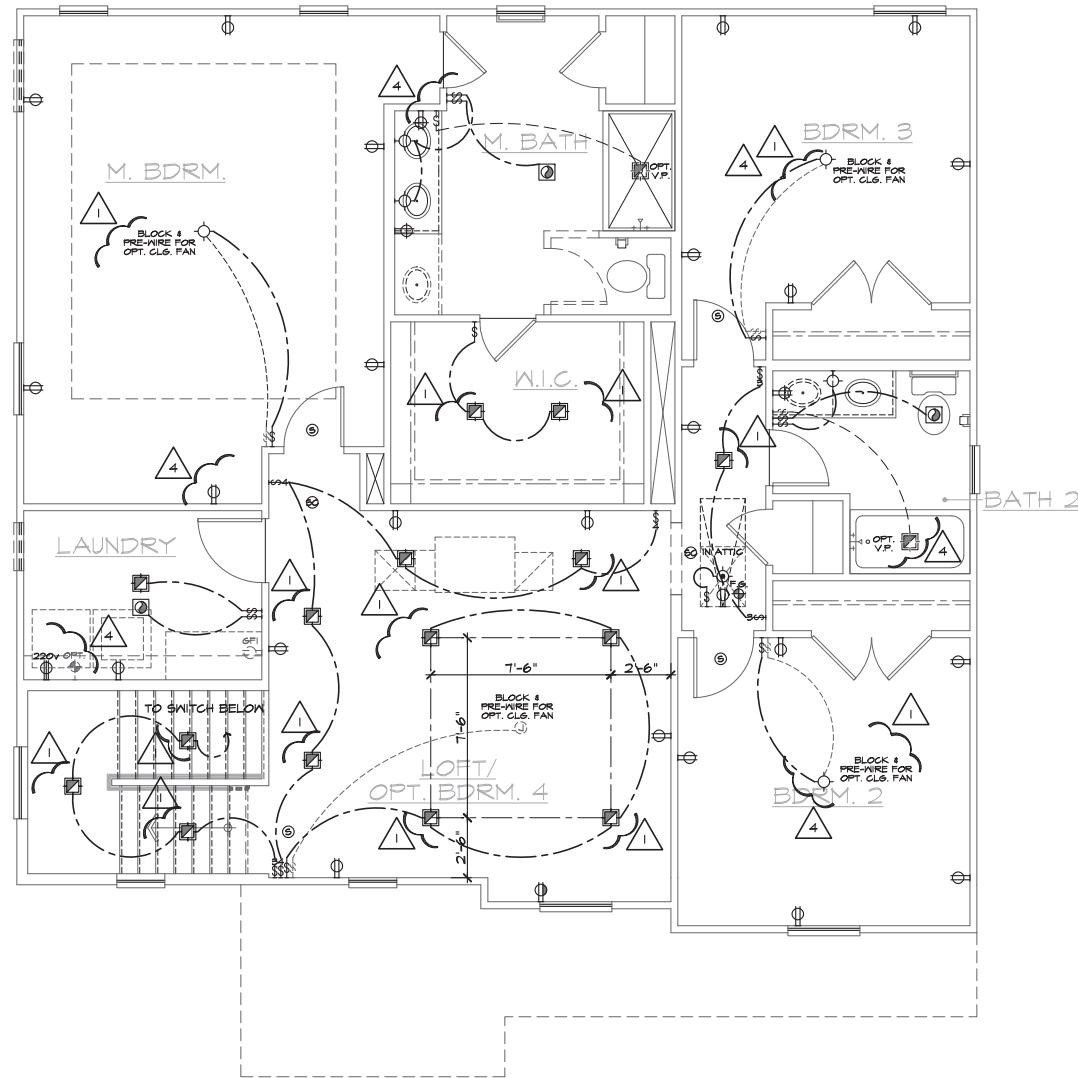
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- 1 DIVISION REVISIONS NC18024NCF - 08/24/18 - CTD
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- 3 DIVISION REVISION NC19017NCF - 04/01/19 CTD
- 4 FRAMEWALK REVISIONS NC19033NCF - 05/07/19 - CTD
- 5 DIVISION REVISIONS NC20012NCF - 01/29/20 - KBA
- 6 DIVISION REVISIONS NC20017NCF - 03/04/20 - KBA
- 7 DIVISION REVISIONS NC20023NCF - 05/07/20 - KBA
- 8 HOME OFFICE CORP20003CORP-08/20/20-CITD
- 9 DIVISION REVISION NC21003NCF - 12/18/20 - KBA

PLAN:  
**240.2596-R**  
SHEET:  
**5.1**

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

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### 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/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
- ⊕ 220 v 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

⊕ 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

SECONDARY

LIGHT  
FAN  
1/2 HOT

MASTER

2'-0"  
MIN.

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**

KB HOME  
NORTH CAROLINA DIVISION

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

**2018 NORTH  
CAROLINA STATE  
BUILDING  
CODES**

ISSUE DATE: 06/02/15  
PROJECT No.: 1350999-56  
DIVISION MGR.: MCP  
REVISIONS: 05/07/19

#	DIVISION REVISIONS
1	NC18024NCP - 08/24/18 - CTD
2	2018 CODE UPDATE NC19015NCP/ 03/15/19 / CTD
3	DIVISION REVISION NC19017NCP- 04/01/19 CTD
4	FRAMEWALK REVISIONS NC19033NCP- 05/07/19 - CTD
5	DIVISION REVISIONS NC20012NCP- 01/29/20 - KBA

FOR INTERNAL USE ONLY

REVIEWED BY:	DATE
1.	
2.	
3.	
4.	
5.	
6.	

PLAN:  
**240.2596-R**

SHEET:  
**5.2**

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

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# NORTH CAROLINA 40' SERIES

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ISSUE DATE: 06/02/15  
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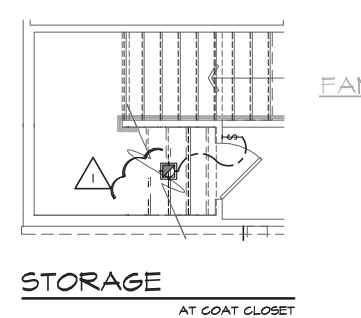
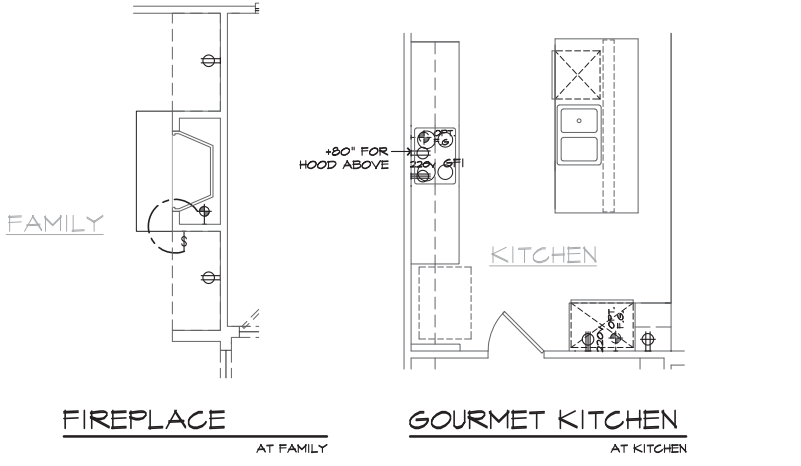
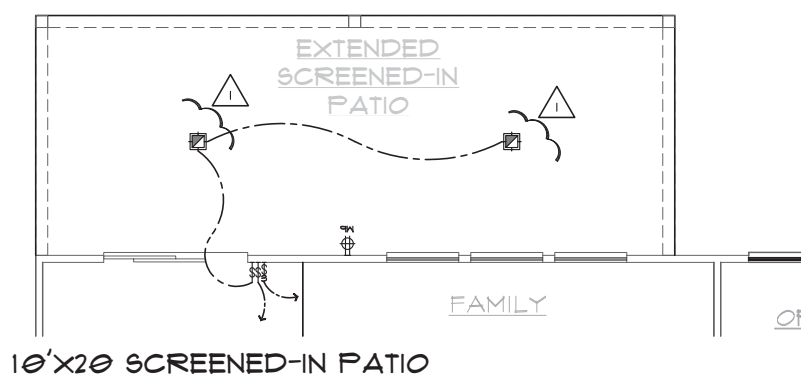
- 1 DIVISION REVISIONS  
NC18024NCP - 08/24/18 - CTD
- 2 2018 CODE UPDATE  
NC19015NCP/ 03/15/19 / CTD
- 3 DIVISION REVISION  
NC19077NCP- 04/01/19 CTD
- 4 FRAMEWALK REVISIONS  
NC19033NCP- 03/07/19 - CTD
- 5 DIVISION REVISIONS  
NC20012NCP- 01/29/20 - KBA
- 6 DIVISION REVISIONS  
NC20017NCP- 03/04/20 - KBA
- 7 DIVISION REVISIONS  
NC20023NCP- 05/07/20 - KBA
- 8 HOME OFFICE  
CORP20003CORP-08/20/20-CTD

PLAN:  
**240.2596-R**  
SHEET:  
**5.3**

# SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

UTILITY LEGEND	
	120V DUPLEX CONVENIENCE RECEPTACLE ARC FAULT(AFCI) AND TAMPER RESISTANT(TR) 12" ABV. FIN. FLR. TYPICAL U.N.O.
	120V (TR) RECEPTACLE W/ GFI CIRCUIT W/ WATER RESISTANT HOUSING
	120V (TR) RECEPTACLE W/ GFI CIRCUIT
	FUSED DISCONNECT
	120V (AFCI & TR) RECESSED FLOOR RECEPTACLE W/ COVER
	120V (AFCI & TR) DUPLEX CONVENIENCE RECEPTACLE SWITCH CONTROLLED, 1/2 HOT
	220V SINGLE CONVENIENCE RECEPTACLE HEIGHT NOTED AS PER PLAN
	TWO-POLE LIGHT SWITCH AT 42" ABV. FIN. FLR. 8" ABOVE COUNTER U.N.O.
	THREE-POLE LIGHT SWITCH
	FOUR-POLE LIGHT SWITCH
	WALL MOUNTED LIGHT FIXTURE W/ WATER RESISTANT HOUSING
	WALL MOUNTED INCANDESCENT LIGHT FIXTURE
	WALL MOUNTED FLUORESCENT LIGHT FIXTURE
	CEILING MOUNTED INCANDESCENT LIGHT FIXTURE
	CEILING MOUNTED FLUORESCENT LIGHT FIXTURE
	HANGING INCANDESCENT LIGHT FIXTURE
	RECESSED INCANDESCENT DIRECTIONAL LIGHT FIXTURE (EYE BALL)
	RECESSED INCANDESCENT LIGHT FIXTURE LIGHTING - TRAVERSE II LED FIXTURE - PER SPECS
	RECESSED INCANDESCENT LIGHT FIXTURE W/ WATER RESISTANT HOUSING
	RECESSED FLUORESCENT LIGHT FIXTURE
	RECESSED EXHAUST FAN
	RECESSED EXHAUST FAN/ INCANDESCENT LIGHT COMBINATION
	RECESSED EXHAUST FAN/ FLUORESCENT LIGHT COMBINATION
	INCANDESCENT WALL SCONCE
	ILLUMINATED ADDRESS SIGN - VISIBLE FROM STREET
	24"x48" FLUORESCENT LIGHT BOX (CEILING MOUNTED)
	12"x48" FLUORESCENT LIGHT BOX (CEILING MOUNTED)
	OPTIONAL PRE-WIRED CEILING FAN AND SWITCH - LOCATED IN CENTER OF ROOM U.N.O.
	CEILING MOUNTED JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	DOOR CHIME
	CATV RECEPTACLE
	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
	DWELLING

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



## FIRST FLOOR UTILITY PLAN OPTIONS

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

BASIC PLAN

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### 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/ GFI 120V (TR) RECEPTACLE W/ GFI CIRCUIT  
W/ WATER RESISTANT HOUSING
- ⊕ GFI 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
- ↔ 2 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
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LIGHT FIXTURE
- ⊕ RECESSED INCANDESCENT DIRECTIONAL  
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- ⊕ RECESSED INCANDESCENT LIGHT FIXTURE
- ⊕ LIGHTING - TRAVERSE II LED FIXTURE - PER  
SPECS
- ⊕ W.P. RECESSED INCANDESCENT LIGHT FIXTURE  
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- ⊕ RECESSED FLUORESCENT LIGHT FIXTURE
- ⊕ RECESSED EXHAUST FAN
- ⊕ RECESSED EXHAUST FAN/ INCANDESCENT  
LIGHT COMBINATION
- ⊕ RECESSED EXHAUST FAN/ FLUORESCENT  
LIGHT COMBINATION
- ⊕ INCANDESCENT WALL SCNCE
- ] 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
- + HB HOSE BIB
- + HB HOSE BIB W/ S.O.V.
- + CH 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

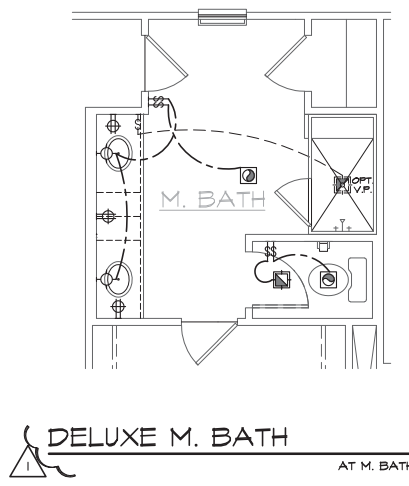
SECONDARY      MASTER

24" MIN. SEPARATION  
OF ELECTRICAL BOXES  
AS SHOWN BELOW

DWELLING  
GARAGE

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NC20012NCP - 01/29/20 - KBA

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REVIEWED BY:	
1.	_____
2.	_____
3.	_____
4.	_____
5.	_____
6.	_____

PLAN:  
**240.2596-R**  
SHEET:  
**5.4**

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

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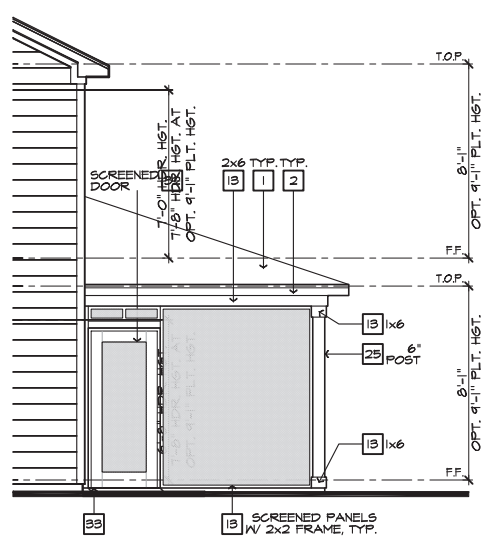
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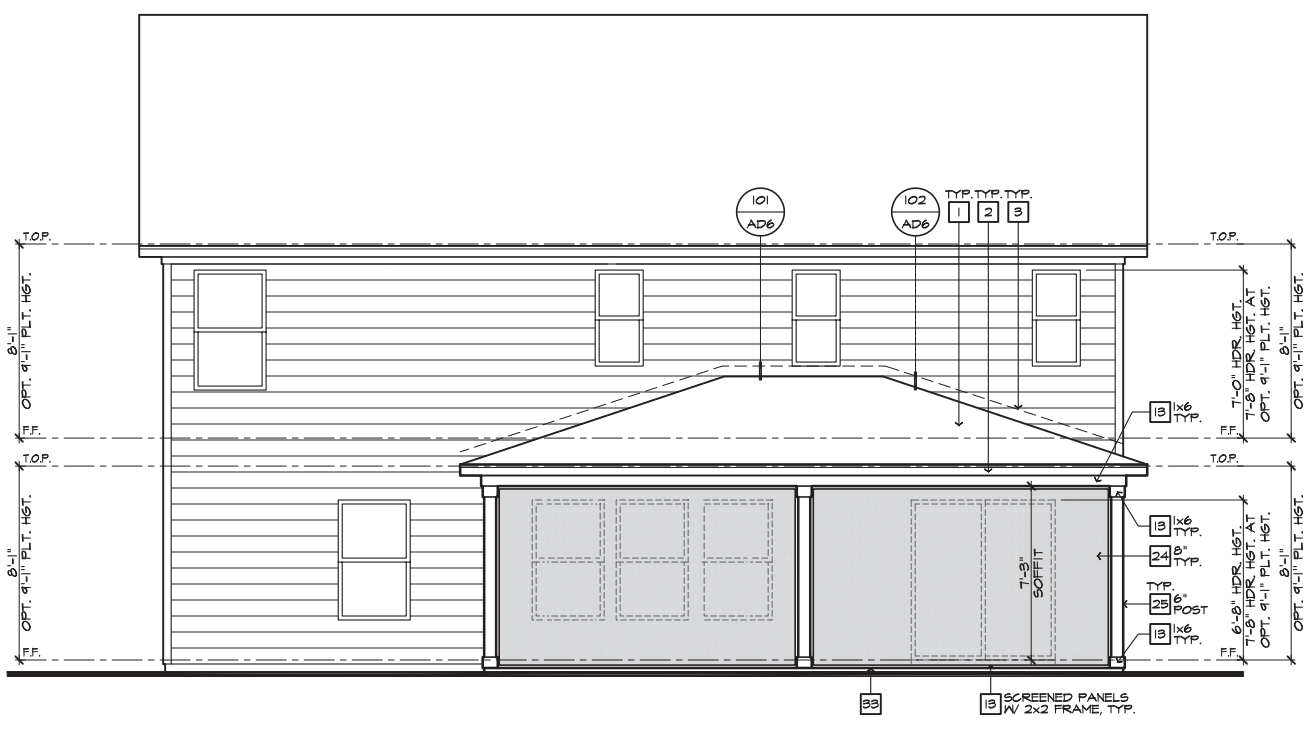
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- 6 DIVISION REVISIONS  
NC20017NCP - 03/04/20 - KBA

PLAN:  
**240.2596-R**  
SHEET:  
**8.4**  
SPEC. LEVEL 1  
**RALEIGH-DURHAM  
40' SERIES**

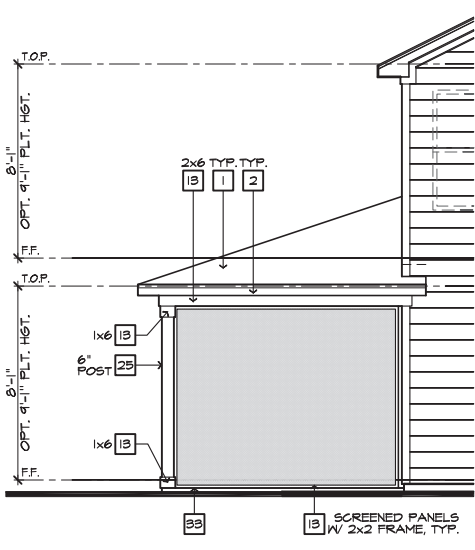
#	ELEVATION NOTES
<b>NOTE: NOT ALL KEY NOTES APPLY.</b>	
1.	ROOF MATERIAL - REFER TO ROOF NOTES
2.	2X FASCIA/BARGE BOARD WITH FASCIA CAP
3.	6.1. FLASHING
4.	6.1. FLASHING & SADDLE/CRICKET
5.	6.1. DRIP SCREED
6.	24"x24" CHIMNEY
7.	DECORATIVE VENT
8.	DECORATIVE CORBEL
9.	DECORATIVE SHUTTERS
10.	PEDIMENT. 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.	SYNTHETIC MATERIAL
15.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
16.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
17.	SHAKE SIDING
18.	STONE VENEER PER SPECS
19.	BRICK/MASONRY VENEER PER SPECS
20.	BUILT UP BRICK COLUMN
21.	SOLDIER COURSE
22.	ROWLOCK COURSE
23.	FRIEZE BOARD
24.	SIDING W/ 4" CORNER TRIM PER SPECS
25.	P.T. POST W/ WRAP - SEE ELEVATION FOR SIZE
26.	PRE-FAB DECORATIVE TRIM
27.	LIGHT WEIGHT PRECAST STONE TRIM
28.	P.T. LUMBER RAILINGS (36" U.N.O.)
29.	WRAP
30.	DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.
31.	BRACKET OR KICKER - FYPON OR EQ.
32.	ENTRY DOOR
33.	CONCRETE STOOFF 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.	LIVE WALL BELOW
41.	LINE OF FLOOR ABOVE
42.	LINE OF FLOOR BELOW
43.	LINE 50" 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 MALL 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/ VINYL WRAP.
70.	EGRESS WINDOW
75.	WINDOW LEDGE. HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOW(S) ON ALL SIDES U.N.O.
76.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
77.	CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SITE
#	ROOF PLAN NOTES
INDICATES ROOF SLOPE AND DIRECTION U.N.O.	
6:12	
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 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 3 / OPTIONAL 10x26 COVERED PATIO	
VENTILATION REQUIRED: * 266 SQ. FT. / 150 = 1.77 SQ. FT.	
ATTIC AREA X 144 = 255.35 SQ. IN.	
VENTILATION PROVIDED:	
( 7 ) LIN. FEET OF RIDGE VENT AT (18 SQ. IN./FOOT) = 126 SQ. IN.	
( 26 ) LIN. FEET OF VENTILATED SOFFIT (5 SQ. IN./FOOT) = 130 SQ. IN.	
TOTAL VENTILATION PROVIDED: 256 SQ. IN.	
<b>NOTE: REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE</b>	
<b>NOTE: REFER TO BASIC ROOF PLAN FOR INFORMATION NOT SHOWN HERE</b>	
<b>NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE</b>	



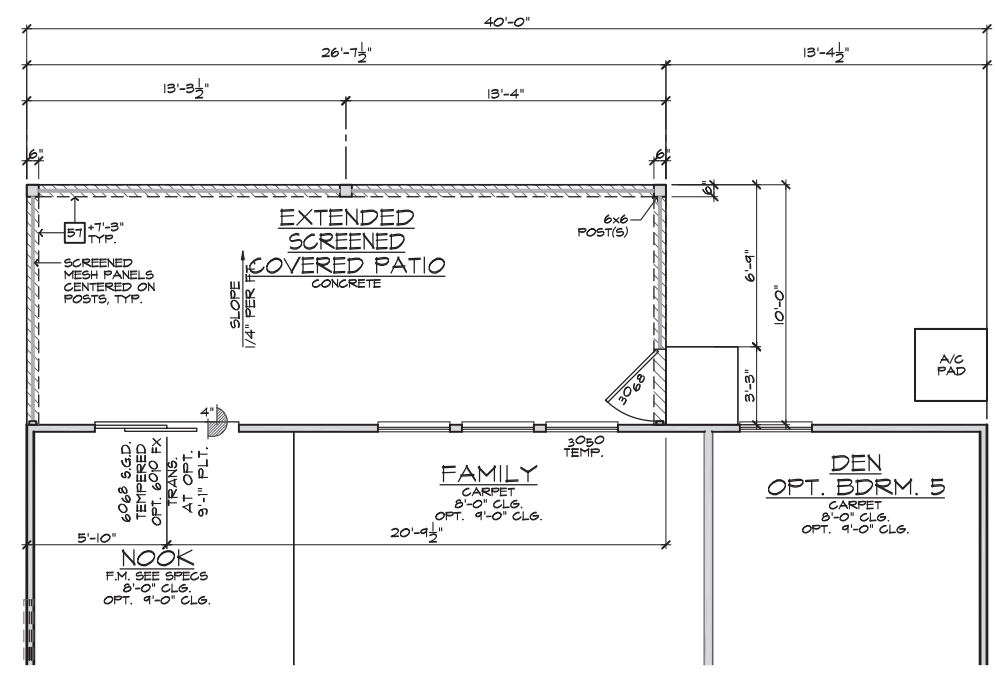
**PARTIAL RIGHT ELEVATION**  
SCALE 1/4"=1'-0" (22'x34") - 1/8"=1'-0" (11'x17")



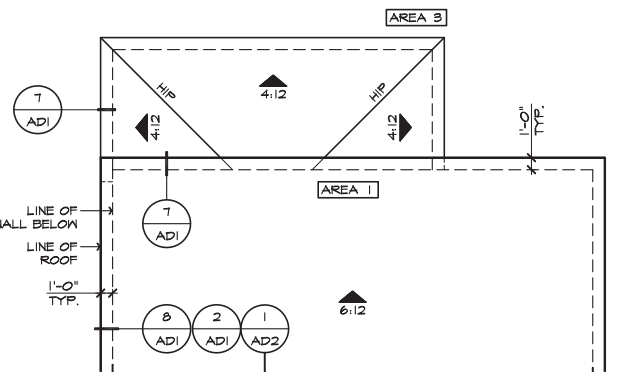
**REAR ELEVATION**  
SCALE 1/4"=1'-0" (22'x34") - 1/8"=1'-0" (11'x17")



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



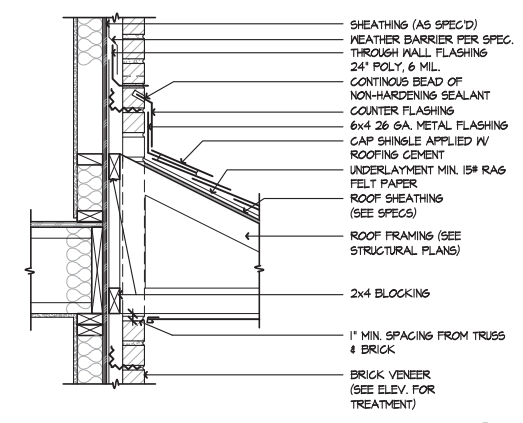
**PARTIAL FLOOR PLAN**  
SCALE 1/4"=1'-0" (22'x34") - 1/8"=1'-0" (11'x17")



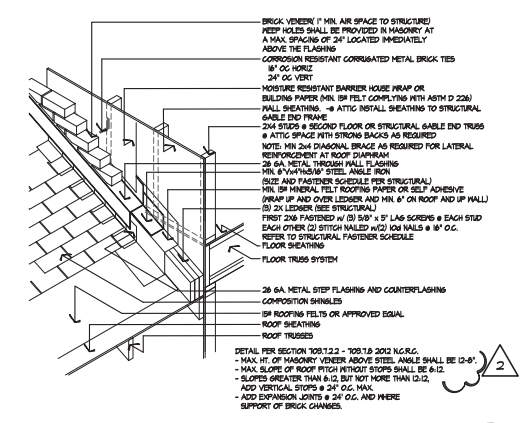
**PARTIAL ROOF PLAN**  
SCALE 1/8"=1'-0" (22'x34") - 1/16"=1'-0" (11'x17")

**10'X20' SCREENED-IN EXTENDED COVERED PATIO**

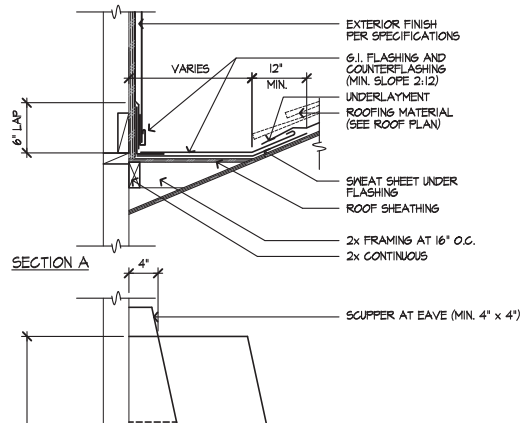
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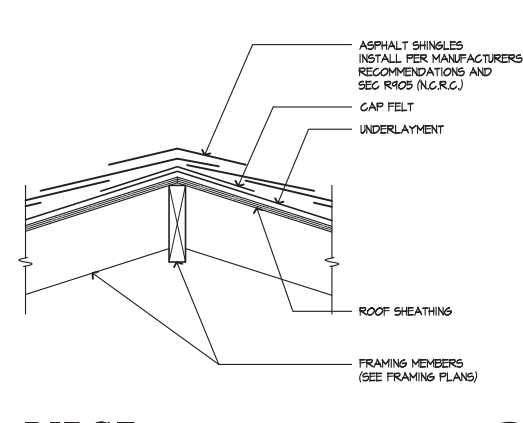
**BRICK THROUGH ROOF**  
SCALE 1/4"=1'-0"  
SE-01017a



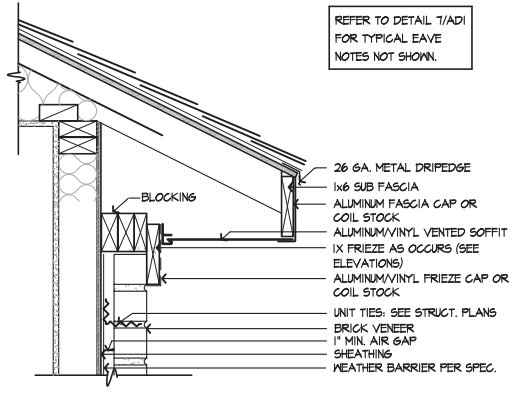
**BRICK OVER ROOF**  
SCALE NTS  
SE-2D 150



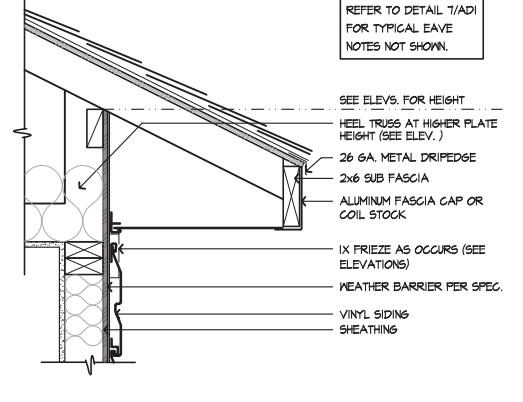
**EAVE @ METAL ROOF**  
SCALE 1/2"=1'-0"  
SE-05091a



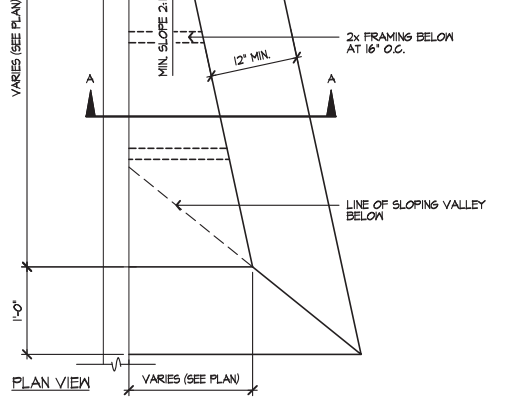
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SE-01001a



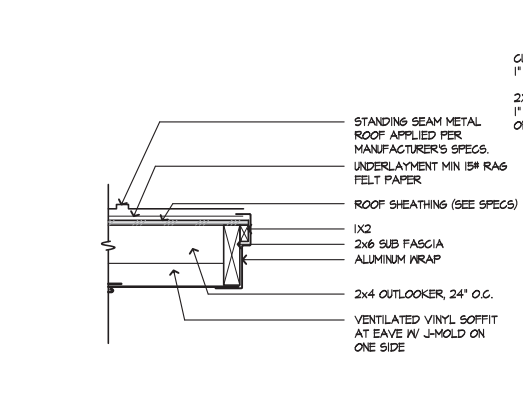
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SE-01016a



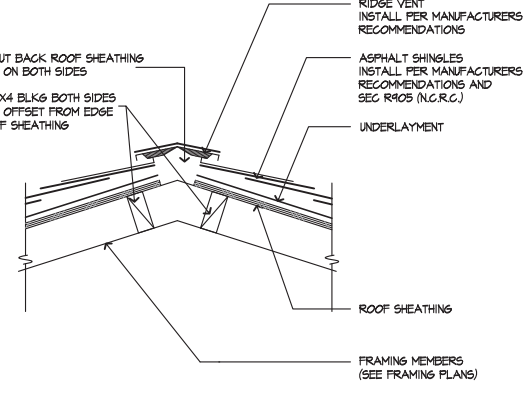
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SCALE 1/2"=1'-0"  
SE-01014a



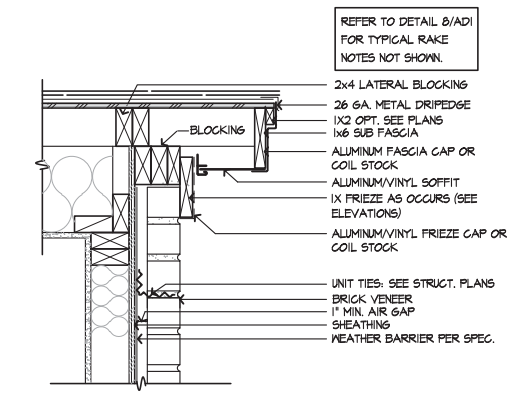
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SE-01006a



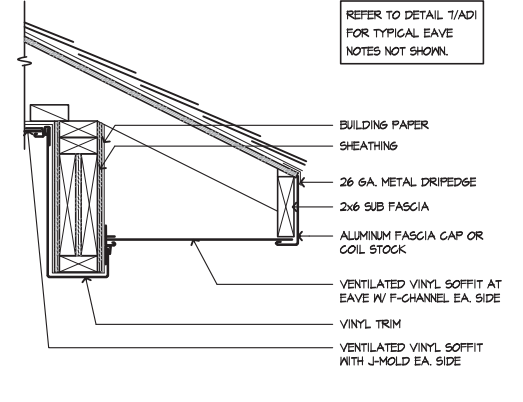
**RAKE @ METAL ROOF**  
SCALE 1/2"=1'-0"  
SE-05098a



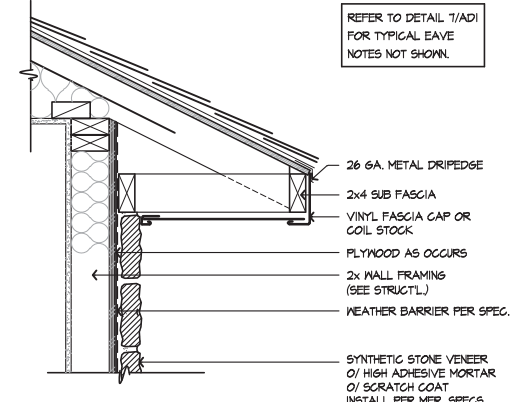
**RIDGE VENT**  
SCALE 1/2"=1'-0"  
SE-01002a



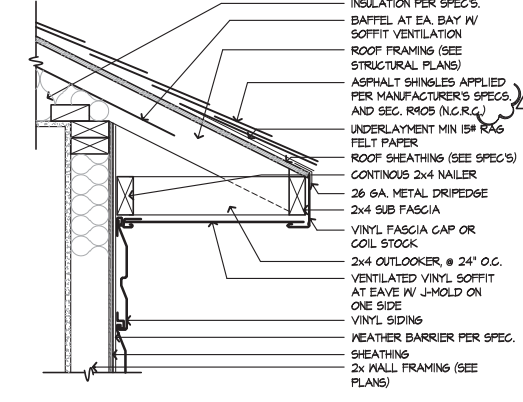
**RAKE - BRICK**  
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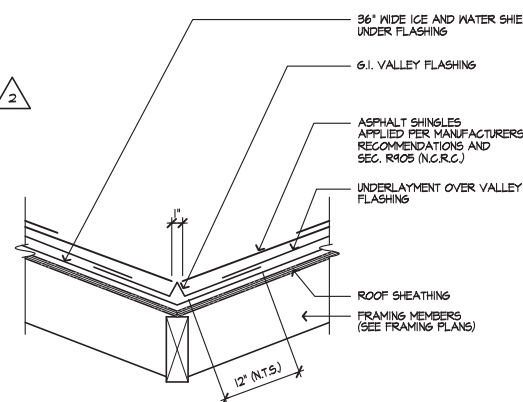
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SCALE 1/2"=1'-0"  
SE-01018a



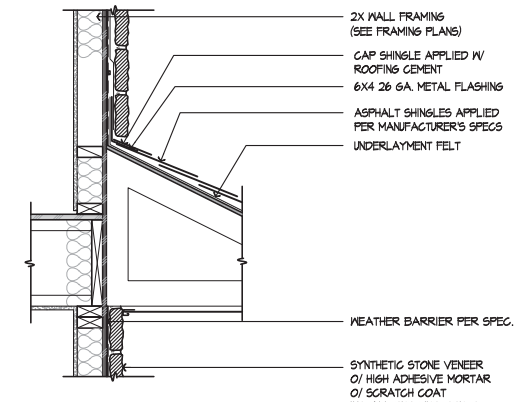
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SCALE 1/2"=1'-0"  
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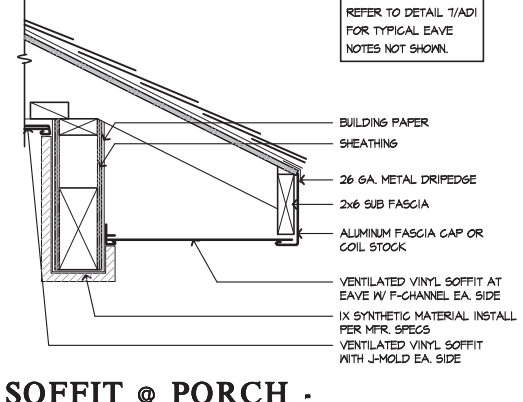
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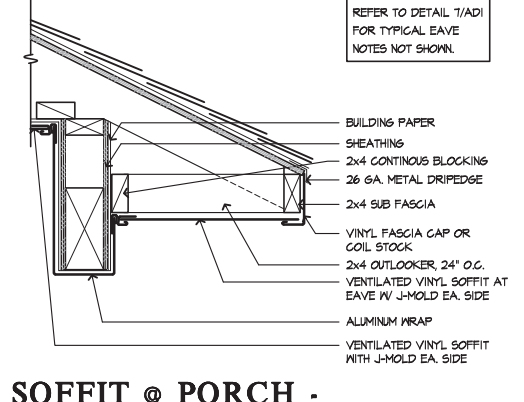
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SCALE 1/2"=1'-0"  
SE-01003a



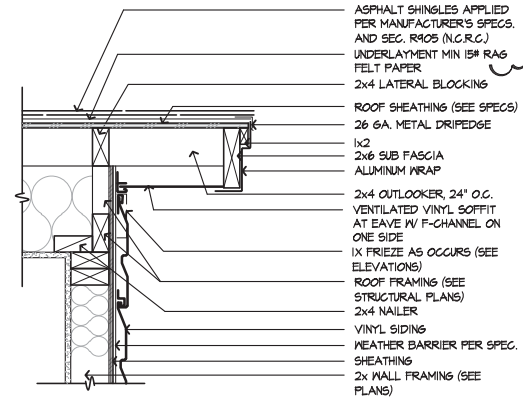
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SCALE 1/4"=1'-0"  
SE-01020a



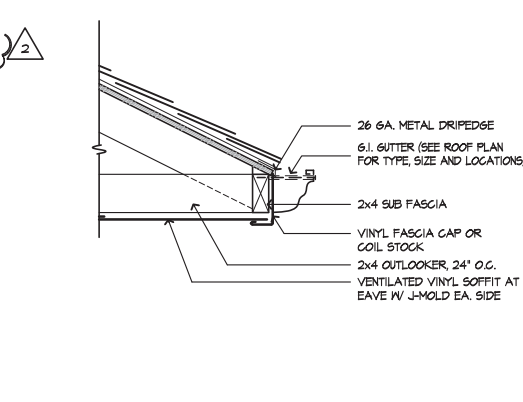
**SOFFIT @ PORCH - SYNTHETIC MATERIAL**  
SCALE 1/2"=1'-0"  
SE-01016a



**SOFFIT @ PORCH - ALUMINUM**  
SCALE 1/2"=1'-0"  
SE-01016a



**RAKE - VINYL**  
SCALE 1/2"=1'-0"  
SE-01010a



**TYPICAL EAVE GUTTER**  
SCALE 1/2"=1'-0"  
SE-01004a

**DETAILS**

KB HOME  
NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD.  
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ISSUE DATE: 09/28/11  
PROJECT No.: 1350  
DIVISION MGR.: K.W.  
REVISIONS: 01/24/19

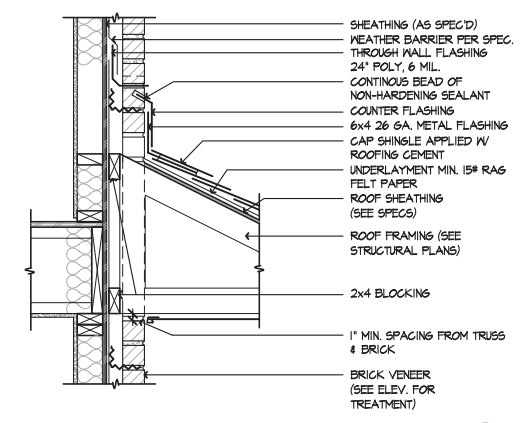
- 1 COMPLIANCE REVIEW  
NC12008 - 02/28/12 - CTD
- 2 2012 NC CODE UPDATE  
NC12016 - 03/22/12 - CTD
- 3 DETAIL UPDATES  
NC15003 - 11/3/15 - DCS
- 4 2018 NC CODE UPDATE  
NC19015 - 01/24/19 - MCP

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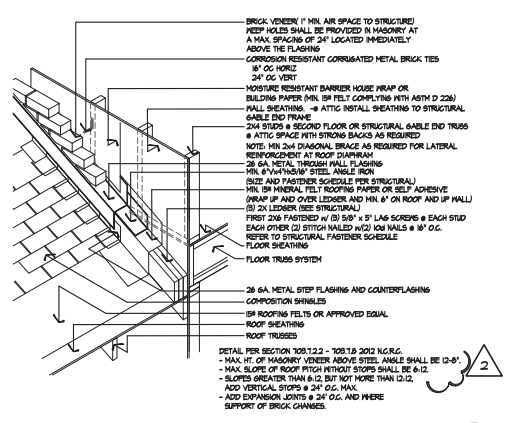
REVIEWED BY:	
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PLAN: ALL  
SHEET: AD1

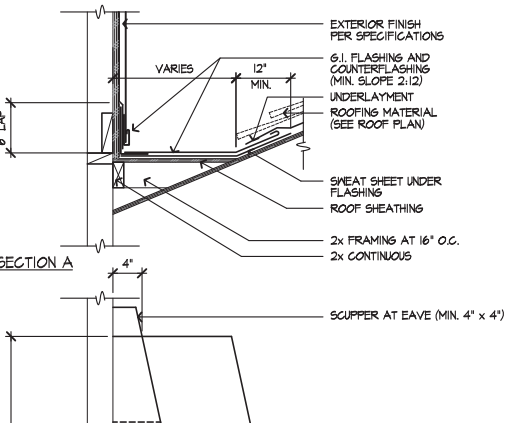
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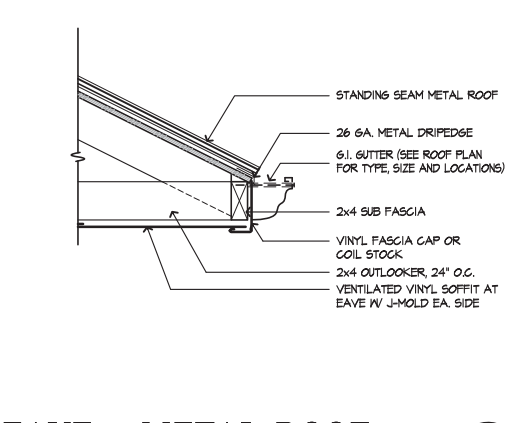
**BRICK THROUGH ROOF**  
SCALE 1/2"=1'-0"  
SE-01017a



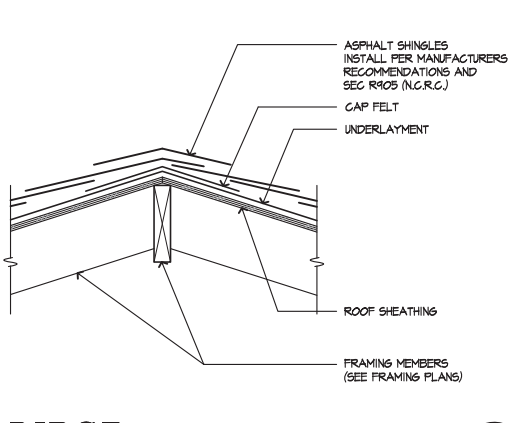
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SCALE NTS  
SE-2D 150



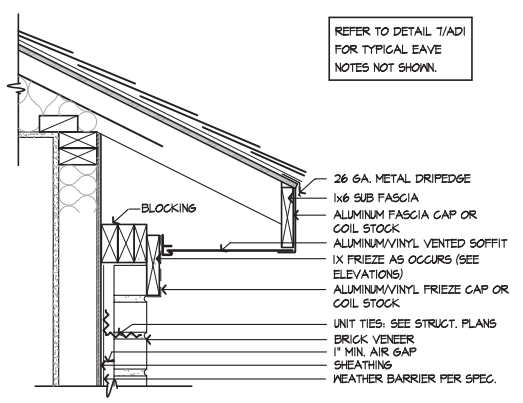
**EAVE @ METAL ROOF**  
SCALE 1/2"=1'-0"  
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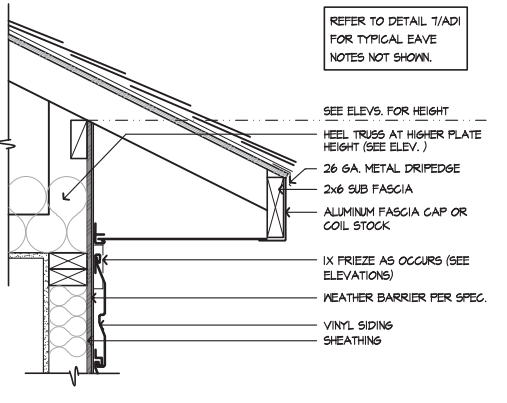
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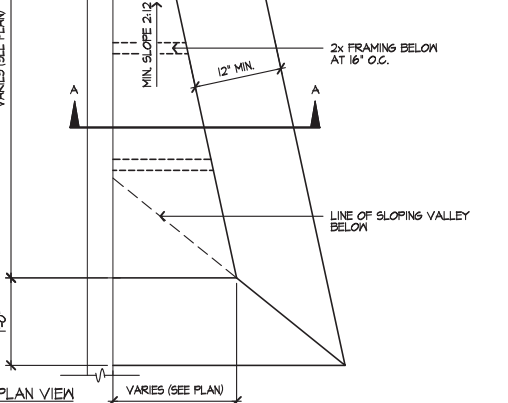
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SCALE 1/2"=1'-0"  
SE-01002a



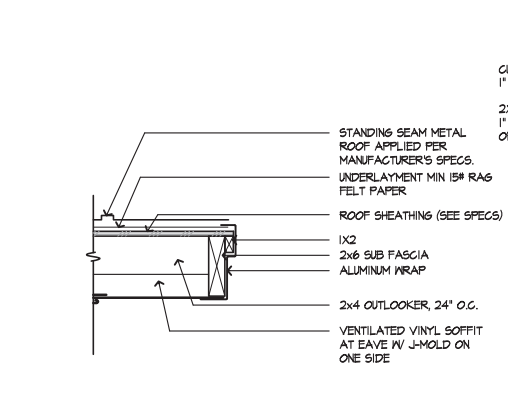
**EAVE - BRICK**  
SCALE 1/2"=1'-0"  
SE-01018a



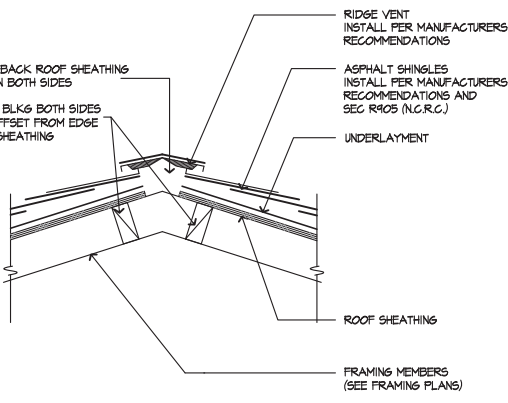
**HEEL TRUSS - VINYL**  
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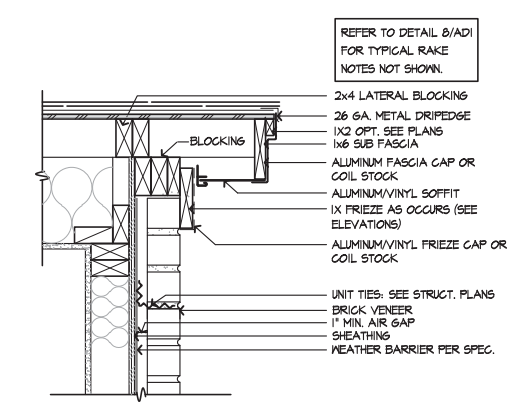
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SCALE 1/2"=1'-0"  
SE-01006a



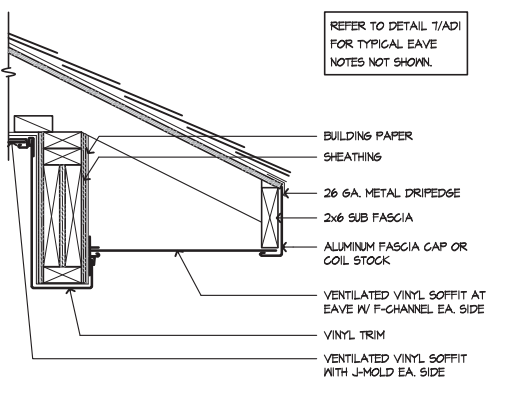
**RAKE @ METAL ROOF**  
SCALE 1/2"=1'-0"  
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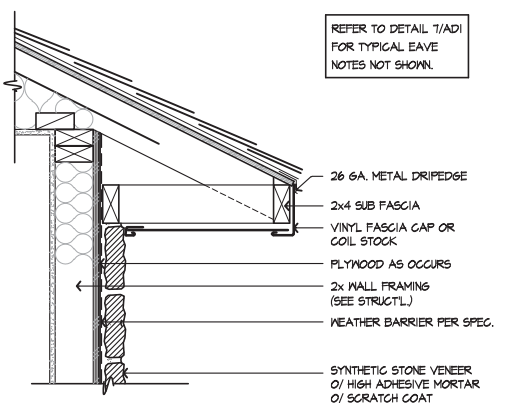
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SCALE 1/2"=1'-0"  
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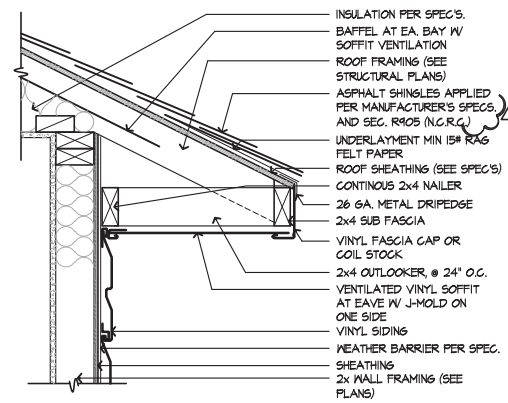
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SCALE 1/2"=1'-0"  
SE-01019a



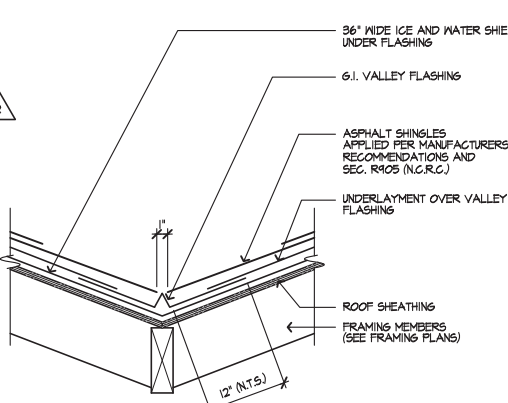
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SCALE 1/2"=1'-0"  
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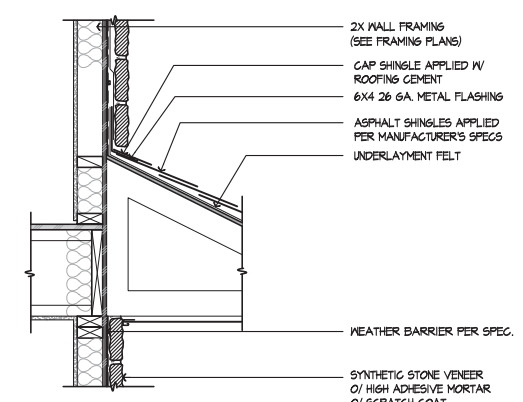
**EAVE - STONE**  
SCALE 1/2"=1'-0"  
SE-01011a



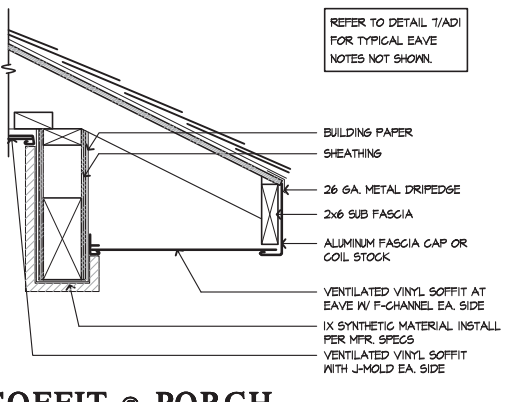
**EAVE - VINYL**  
SCALE 1/2"=1'-0"  
SE-01009a



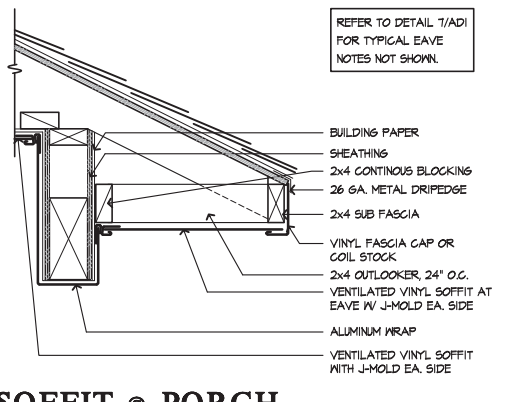
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SCALE 1/2"=1'-0"  
SE-01003a



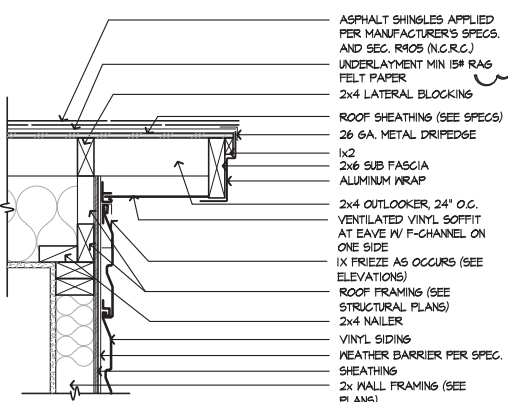
**STONE TO ROOF**  
SCALE 1/2"=1'-0"  
SE-01020a



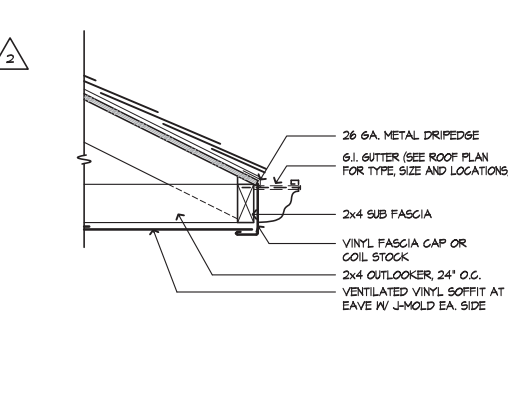
**SOFFIT @ PORCH - SYNTHETIC MATERIAL**  
SCALE 1/2"=1'-0"  
SE-01016a



**SOFFIT @ PORCH - ALUMINUM**  
SCALE 1/2"=1'-0"  
SE-01016a



**RAKE - VINYL**  
SCALE 1/2"=1'-0"  
SE-01010a



**TYPICAL EAVE GUTTER**  
SCALE 1/2"=1'-0"  
SE-01004a

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**DETAILS**

ISSUE DATE: 09/28/11  
PROJECT No.: 1350  
DIVISION MGR.: K.W.  
REVISIONS: 01/24/19

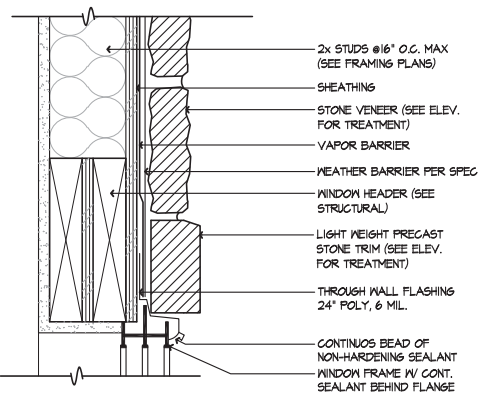
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- 2 2012 NC CODE UPDATE NCI2016 - 03/22/12 - CTD
- 3 DETAIL UPDATES NCI2013 - 11/3/13 - DC3
- 4 2018 NC CODE UPDATE NCI2015 - 01/24/19 - MCP

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PLAN: ALL  
SHEET: AD1

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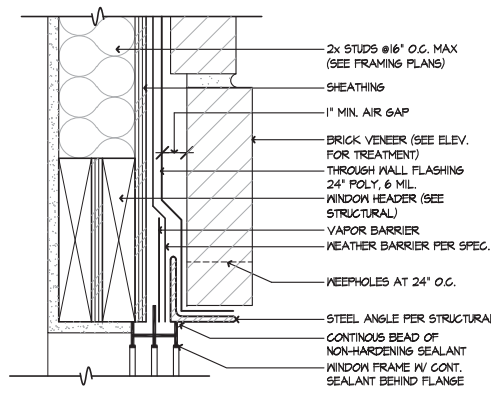


**WINDOW HEAD - STONE**

SCALE 3/8"=1'-0"

SE-02036a

37

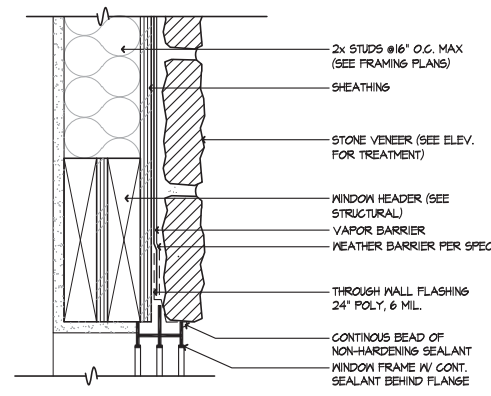


**WINDOW HEAD - BRICK**

SCALE 3/8"=1'-0"

SE-02036a

33

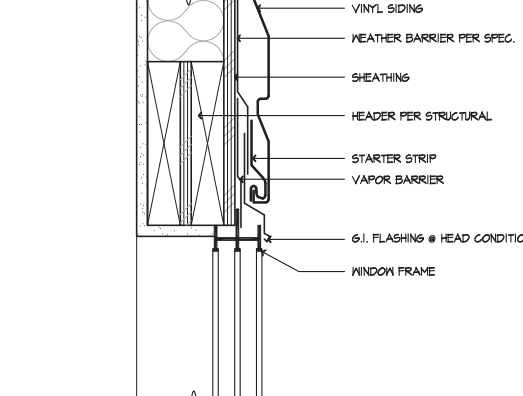


**WINDOW HEAD - STONE**

SCALE 3/8"=1'-0"

SE-02036a

29



**WINDOW HEAD - VINYL**

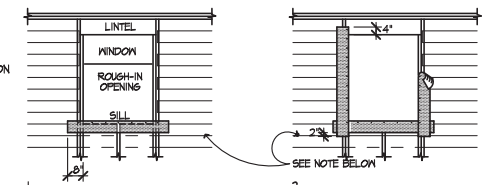
SCALE 3/8"=1'-0"

SE-02025a

25

**WINDOW FLASHING**

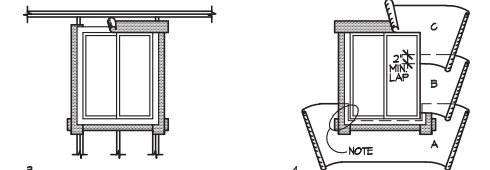
EXTERIOR OPENINGS EXPOSED TO THE WEATHER SHALL BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WATERPROOF.



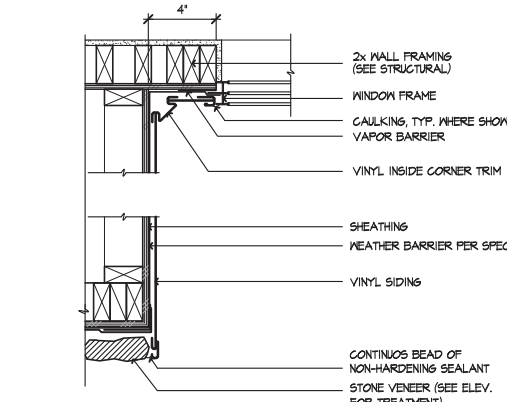
1. ATTACH SILL STRIP WITH TOP EDGE LEVEL WITH ROUGH SILL - EXTEND BEYOND EDGE OF ROUGH OPENING AT LEAST 6". SECURE ALL MOISTOP (OR EQUAL) WITH GALVANIZED NAILS OR POWER-DRIVEN STAPLES.
2. ATTACH JAMB STRIP WITH SIDE EDGE EVEN WITH ROUGH-JAMB FRAMING. START STRIP 1" BELOW LOWER EDGE OF SILL STRIP AND EXTEND 4" ABOVE LOWER EDGE OF LINTEL OR POWER-DRIVEN STAPLES.

NOTE: LINE-WIRE, WHEN USED AS BACKING TO SUPPORT BUILDING PAPER BENEATH WIRE LATH (NETTING) FOR PORTLAND CEMENT PLASTER (STUCCO), SHALL BE INSTALLED AS FOLLOWS:

1. WIRE GAUGE, SPACING, AND ATTACHMENT SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF BUILDING DEPT. ITEMS 25-1.
2. PERIPHERAL FLASHING AT ALL EDGES OF WALL OPENINGS, MUST COVER THE WIRE BACKING.
3. NO ATTACHMENT DEVICES NOR THE WIRE BACKING SHALL COVER OR PENETRATE THE FLASHING MATERIAL.



3. INSTALL WINDOW JAMB NAILING FLANGES OVER A CONTINUOUS BEAD OF SEALANT ON THE MOISTOP (OR EQUAL). INSTALL THE WINDOW HEAD MOISTOP (OR EQUAL) ON A CONTINUOUS BEAD OF SEALANT APPLIED TO THE WINDOW HEAD NAILING FLANGE.
4. COMMENCING AT THE BOTTOM (SOLE PLATE) OF THE WALL, LAY BUILDING PAPER UNDER SILL STRIP. NOTE: CUT ANY EXCESS BUILDING PAPER THAT MAY EXTEND ABOVE THE SILL FLANGE LINE ON EACH SIDE OF (SHOWN AS SHORT DASHED LINES). DO NOT SLICE BUILDING PAPER HORIZONTALLY SO THAT THE PAPER WILL LAP OVER THE JAMB STRIPS. INSTALL SUCCESSIVE LINES OF BUILDING PAPER (B.G.D. ETC.) OVER JAMB AND HEAD FLANGES, LAPPING EACH COURSE.

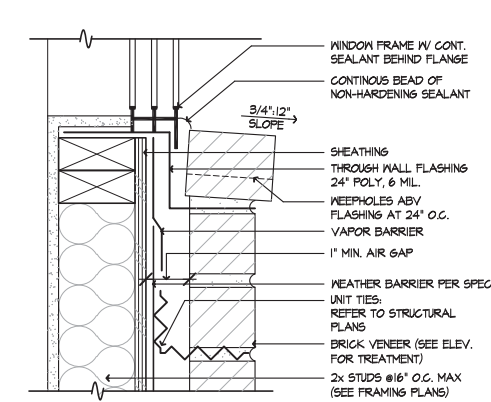


**RECESSED WINDOW JAMB - STONE**

SCALE 1/2"=1'-0"

SE-02038a

38

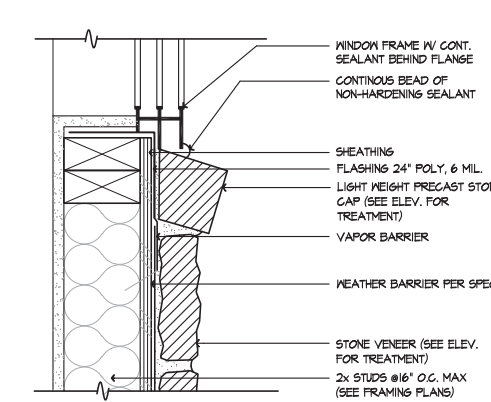


**WINDOW SILL - BRICK**

SCALE 3/8"=1'-0"

SE-02034a

34

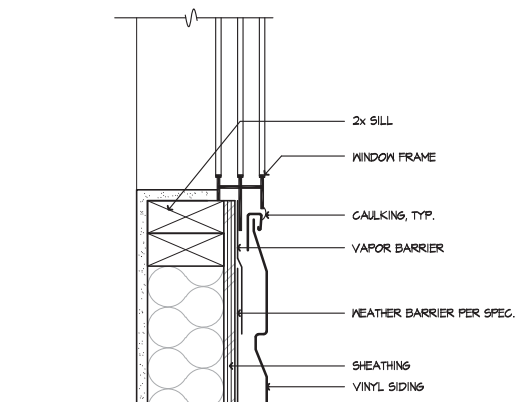


**WINDOW SILL - STONE**

SCALE 3/8"=1'-0"

SE-02034a

30



**WINDOW SILL - VINYL**

SCALE 3/8"=1'-0"

SE-02026a

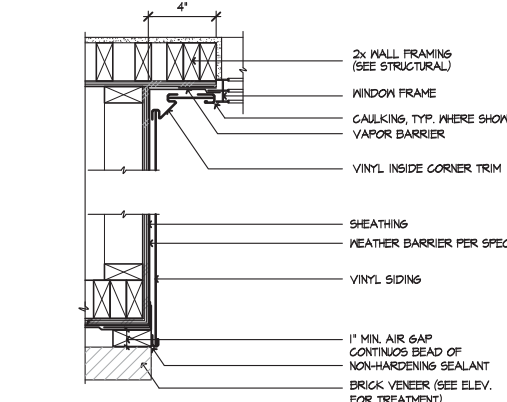
26

**VAPOR BARRIER**

SCALE 1/4"=1'-0"

SE-02022a

22

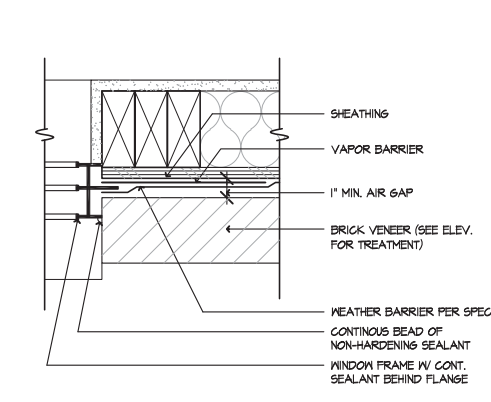


**RECESSED WINDOW JAMB - BRICK**

SCALE 1/2"=1'-0"

SE-02039a

39

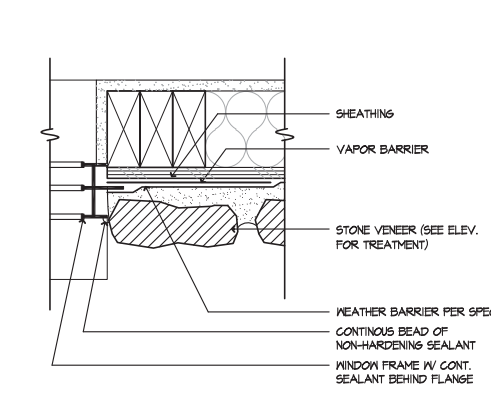


**WINDOW JAMB - BRICK**

SCALE 3/8"=1'-0"

SE-02035a

35

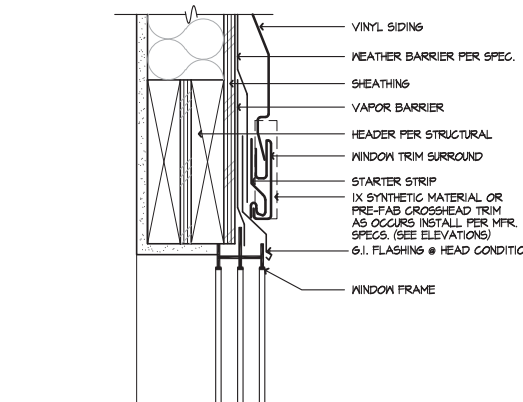


**WINDOW JAMB - STONE**

SCALE 3/8"=1'-0"

SE-02031a

31



**WINDOW HEAD - VINYL**

SCALE 3/8"=1'-0"

SE-02021a

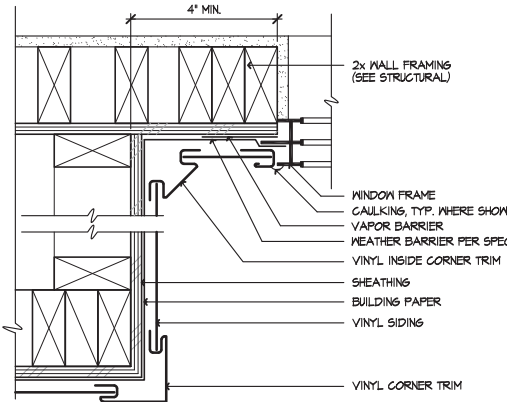
27

**WINDOW JAMB - VINYL**

SCALE 3/8"=1'-0"

SE-02028a

23

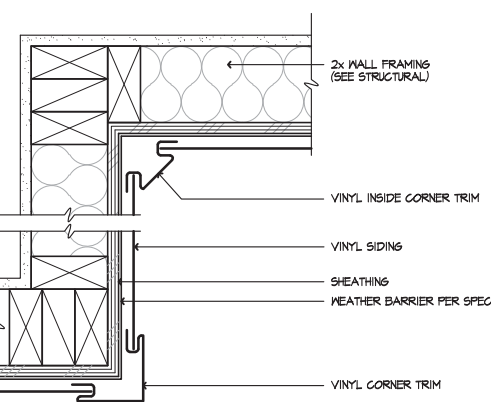


**RECESSED WINDOW JAMB - VINYL**

SCALE 3/8"=1'-0"

SE-02040a

40

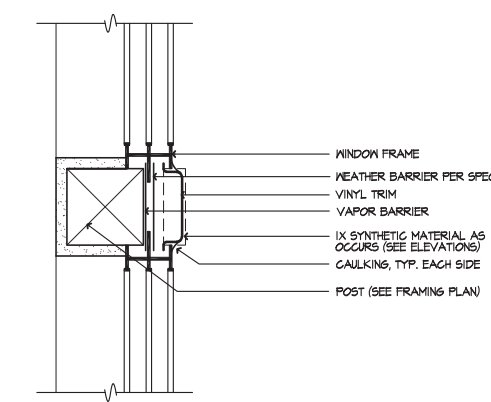


**CORNER TRIM - VINYL**

SCALE 3/8"=1'-0"

SE-02037a

36

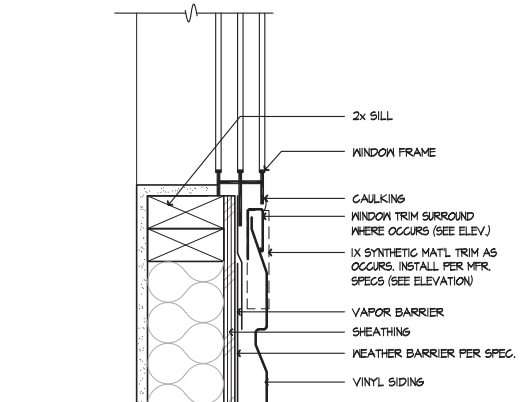


**VERT. WDW. MULL.-VINYL**

SCALE 3/8"=1'-0"

SE-02032a

32

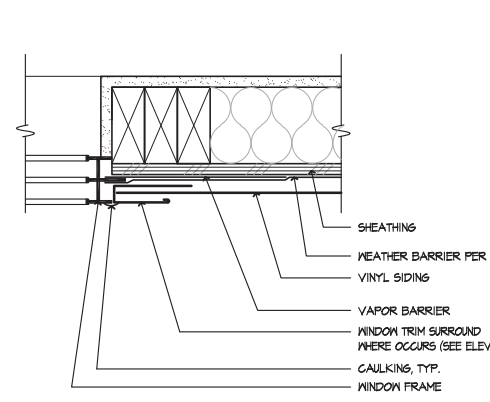


**WINDOW SILL - VINYL**

SCALE 3/8"=1'-0"

SE-02028a

28



**WINDOW JAMB - VINYL**

SCALE 3/8"=1'-0"

SE-02024a

24



**DETAILS**

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NC12008 - 02/28/12 - CTD
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NC12016 - 03/22/12 - CTD
- 3 DETAIL UPDATES  
NC12953 - 11/3/15 - DC3
- 4 2018 NC CODE UPDATE  
NC19015 - 01/24/19 - MCF

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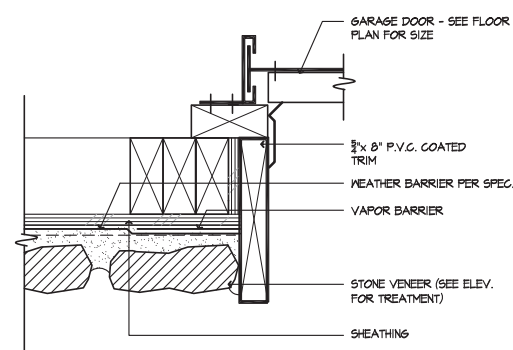
PLAN: ALL  
SHEET: AD2

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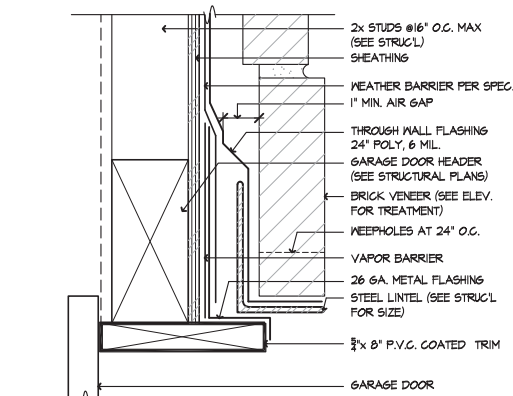
### GARAGE DOOR HEAD - STONE

SCALE 1 1/2"=1'-0" SE-03057b



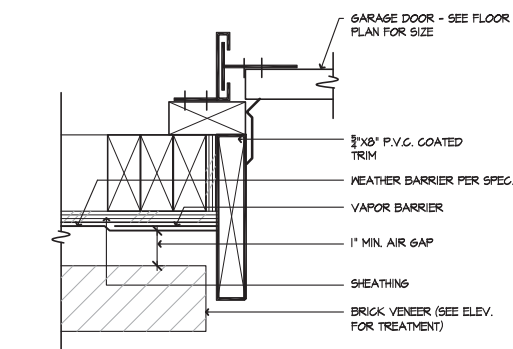
### GARAGE DOOR JAMB - STONE

SCALE 3\"/>



### GARAGE DOOR HEAD - BRICK

SCALE 3\"/>



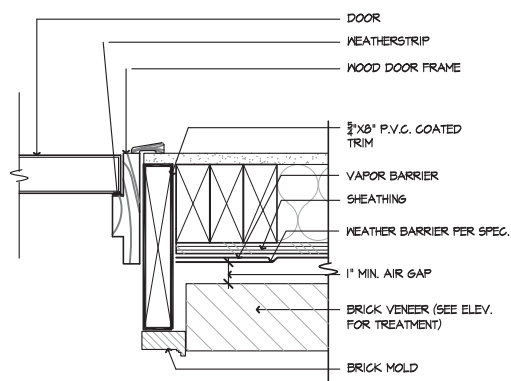
### GARAGE DOOR JAMB - BRICK

SCALE 3\"/>



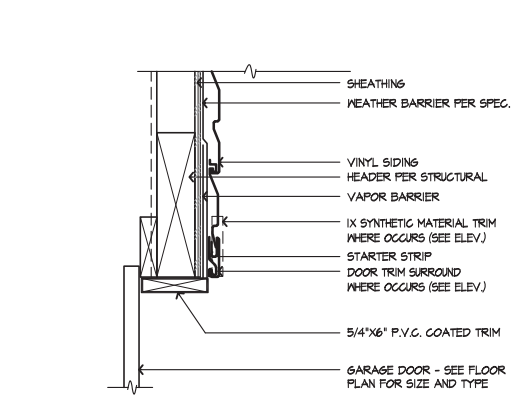
### DOOR HEAD - BRICK

SCALE 3\"/>



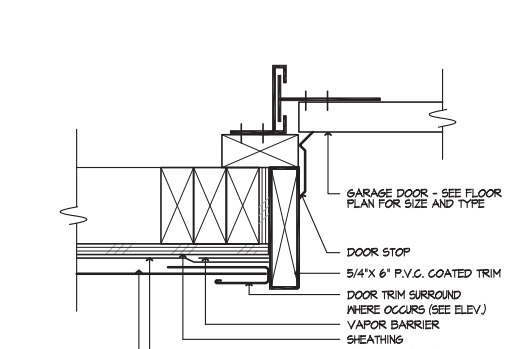
### DOOR JAMB - BRICK

SCALE 3\"/>



### GARAGE DOOR HEAD - VINYL

SCALE 1 1/2\"/>



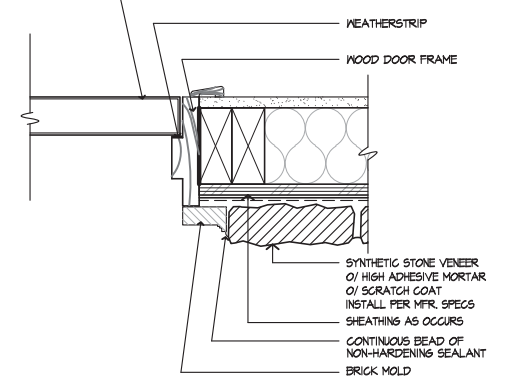
### GARAGE DOOR JAMB - VINYL

SCALE 3\"/>



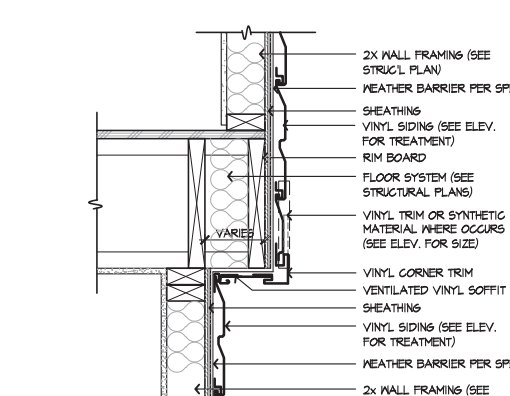
### DOOR HEAD - STONE

SCALE 3\"/>



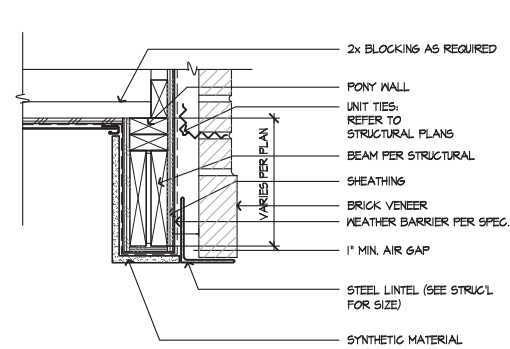
### DOOR JAMB - STONE

SCALE 3\"/>



### CANTILEVER

SCALE 1 1/2\"/>



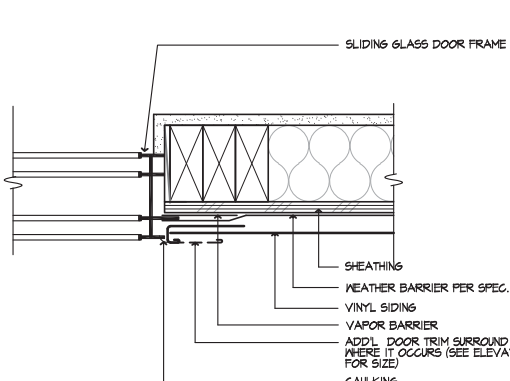
### SOFFIT @ PORCH - BRICK

SCALE 1 1/2\"/>



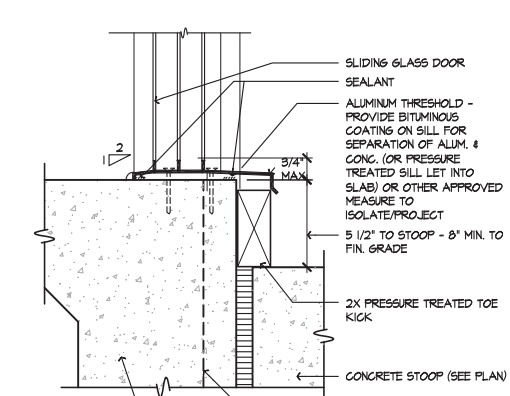
### SLD.G. DOOR HEAD - VINYL

SCALE 3\"/>



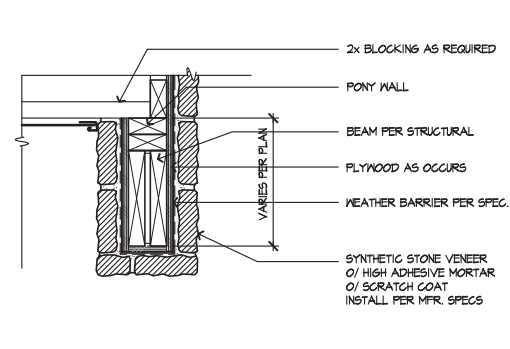
### SLD.G. DOOR JAMB - VINYL

SCALE 3\"/>



### SLD.G. DOOR THRESHOLD

SCALE 3\"/>



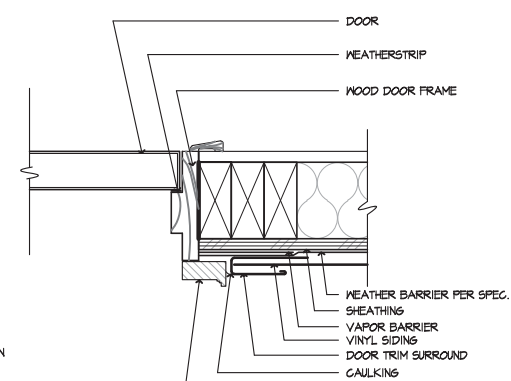
### SOFFIT @ PORCH - STONE

SCALE 1 1/2\"/>



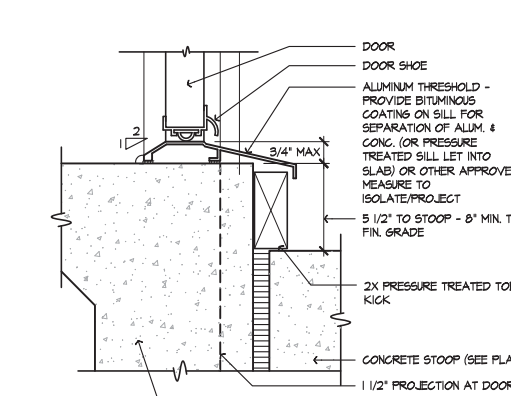
### DOOR HEAD - VINYL

SCALE 3\"/>



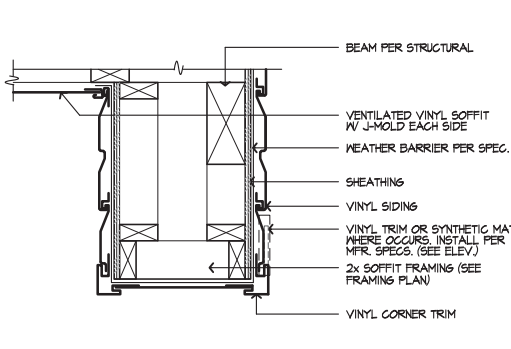
### DOOR JAMB - VINYL

SCALE 3\"/>



### SWING DOOR THRESHOLD

SCALE 3\"/>



### SOFFIT @ PORCH - VINYL

SCALE 1 1/2\"/>



## DETAILS

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

ISSUE DATE: 09/28/11  
PROJECT No.: 1350  
DIVISION MGR.: K.W.  
REVISIONS: 01/24/19

- 1 COMPLIANCE REVIEW NCI2008 - 02/28/12 - CTD
- 2 2012 NC CODE UPDATE NCI2016 - 03/22/12 - CTD
- 3 DETAIL UPDATES NCI1903 - 11/3/15 - DC3
- 4 2018 NC CODE UPDATE NCI1915 - 01/24/19 - MCP

FOR INTERNAL USE ONLY	
REVIEWED BY:	
1.	
2.	
3.	
4.	
5.	
6.	

PLAN: ALL  
SHEET: AD3

# DETAILS

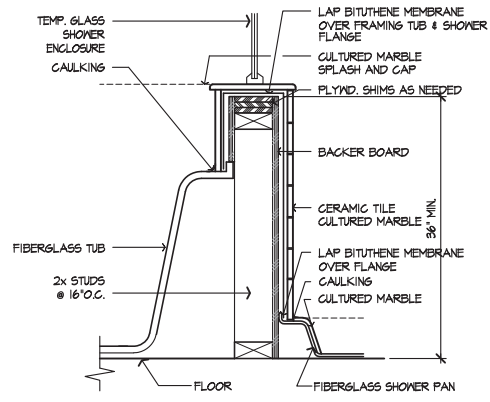
KB HOME  
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SUITE 180  
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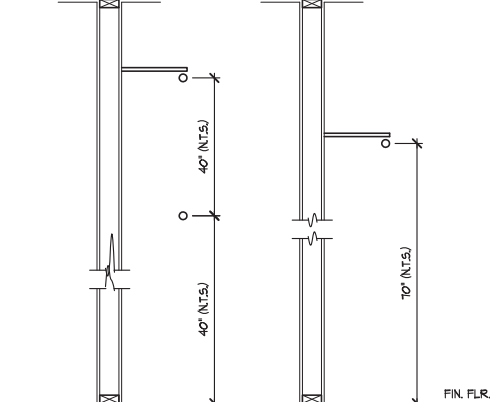
- 1 COMPLIANCE REVIEW  
NC12008 - 02/28/12 - CTD
- 2 2012 NC CODE UPDATE  
NC12016 - 03/22/12 - CTD
- 3 DETAIL UPDATES  
NC15953 - 11/15 - DCS
- 4 2018 NC CODE UPDATE  
NC19015 - 01/24/19 - MCP

FOR INTERNAL USE ONLY	
REVIEWED BY:	
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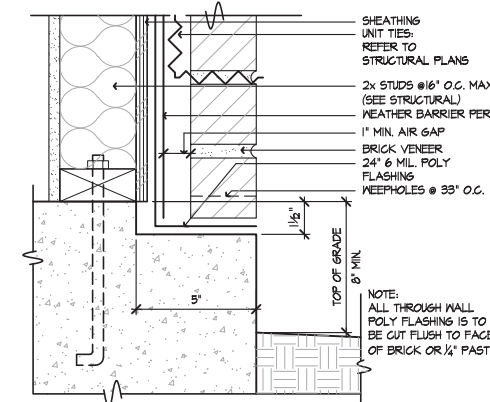
PLAN: **ALL**  
SHEET: **AD4**



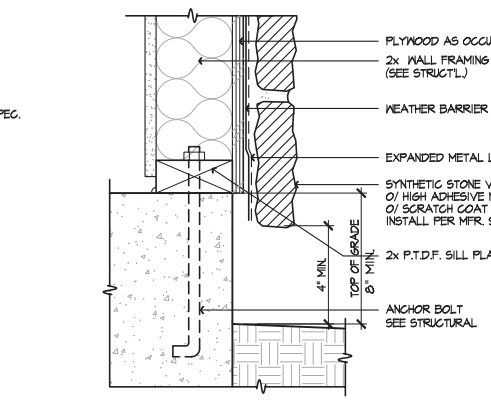
**TUB/SHOWER WALL**  
SCALE 1 1/2"=1'-0"  
SE-04071a



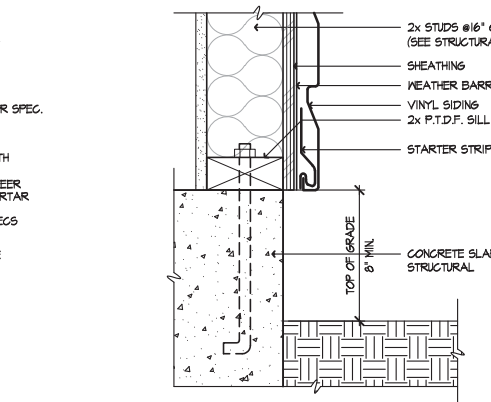
**DBL./SGL. POLE & SHELF**  
SCALE 3/4"=1'-0"  
SE-04073a



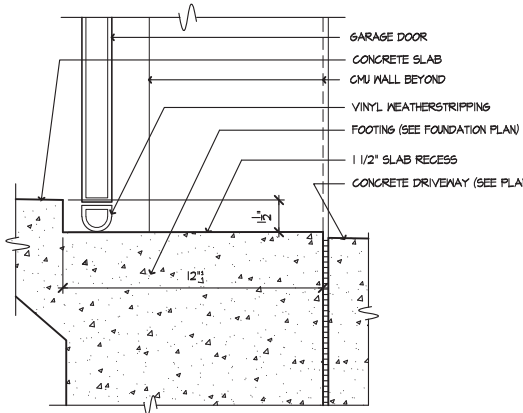
**BRICK LEDGE AT SLAB**  
SCALE 3"=1'-0"  
SE-04069a



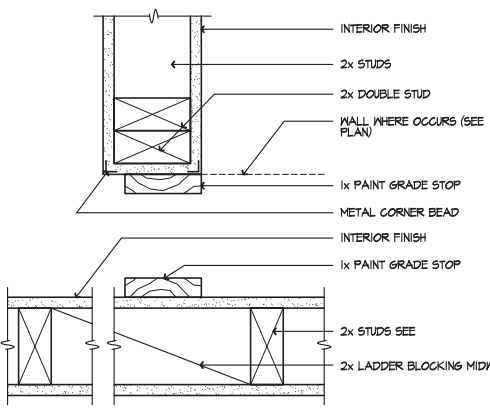
**SYN. STONE SCREED**  
SCALE 3"=1'-0"  
SE-04065a



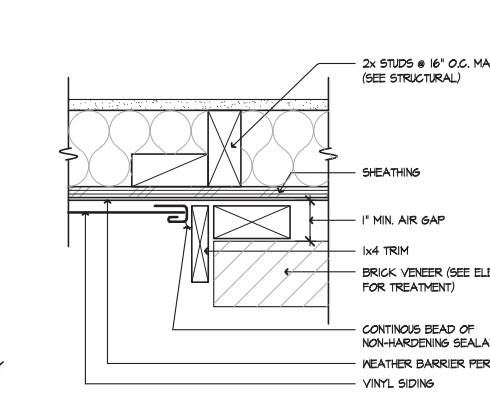
**VINYL SIDING AT SLAB**  
SCALE 3"=1'-0"  
SE-04061a



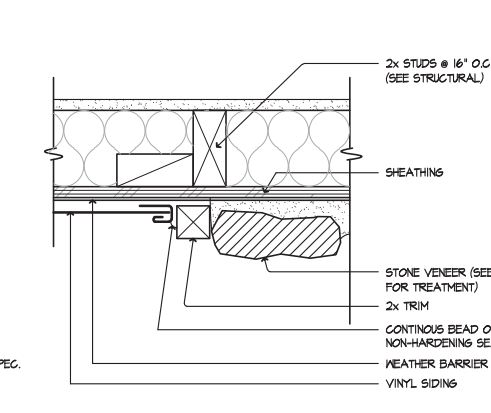
**GARAGE SLAB RECESS**  
SCALE 1 1/2"=1'-0"  
0810-01



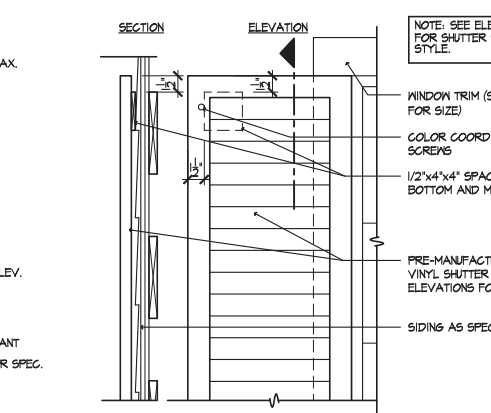
**WARDROBE DOOR JAMB**  
SCALE 3"=1'-0"  
SE-04074a



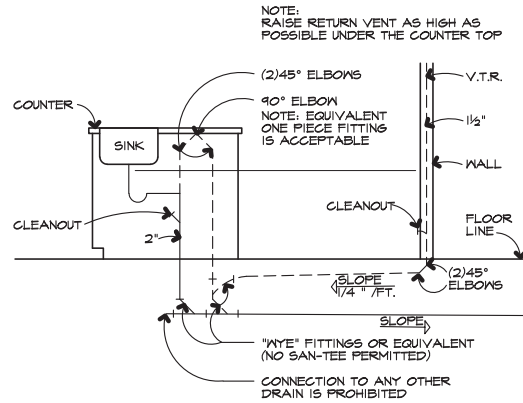
**VINYL SIDING TO BRICK**  
SCALE 3"=1'-0"  
SE-04070a



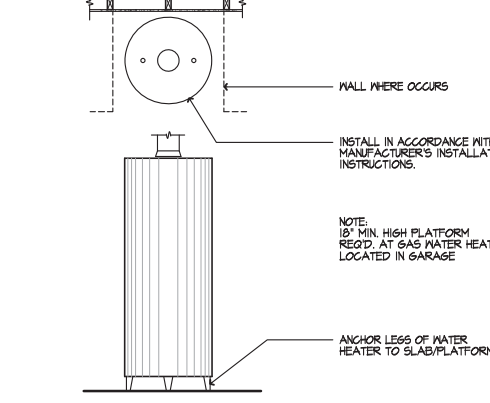
**VINYL SIDING TO STONE**  
SCALE 3"=1'-0"  
SE-04066a



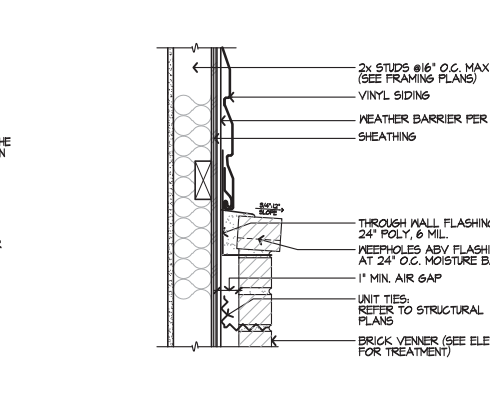
**WINDOW SHUTTER**  
SCALE 1 1/2"=1'-0"  
SE-04062a



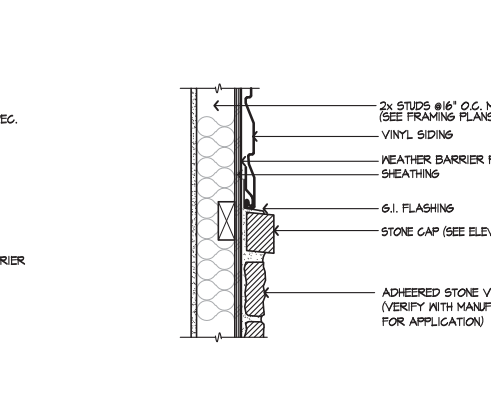
**KITCHEN ISLAND**  
SCALE 1/2"=1'-0"  
SE-04079a



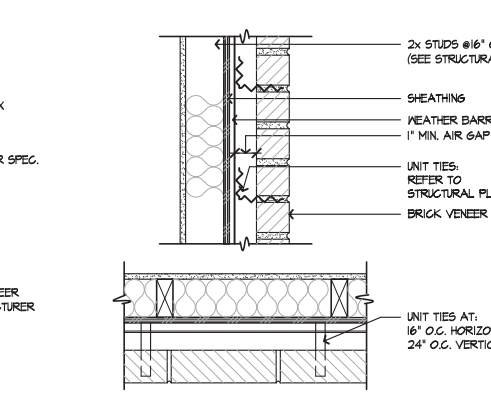
**WATER HEATER**  
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SE-04075a



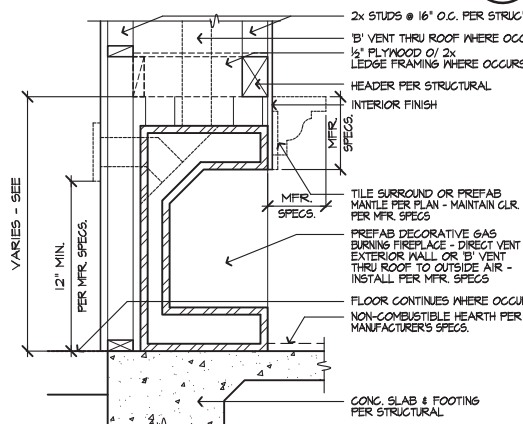
**BRICK CAP @ VINYL**  
SCALE 1 1/2"=1'-0"  
SE-04071a



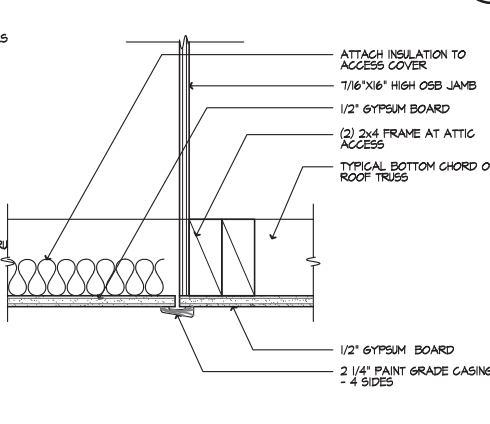
**STONE CAP @ VINYL**  
SCALE 1 1/2"=1'-0"  
SE-04067a



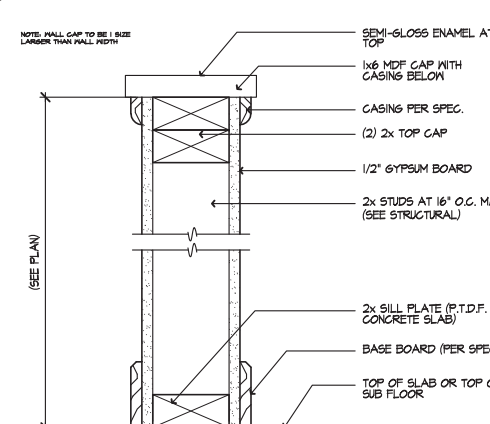
**BRICK TIES**  
SCALE 1 1/2"=1'-0"  
SE-04063a



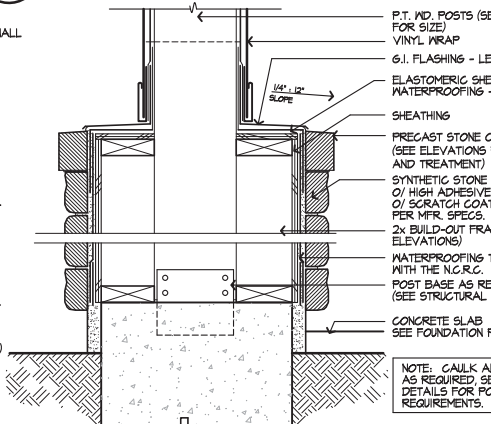
**DECORATIVE GAS APPLIANCE**  
SCALE 1"=1'-0"  
SE-04080a



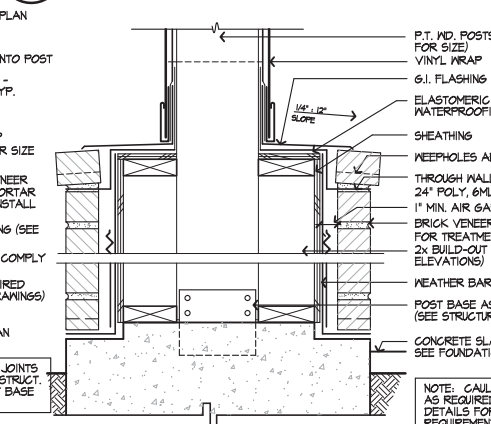
**ATTIC ACCESS**  
SCALE 3"=1'-0"  
SE-04076a



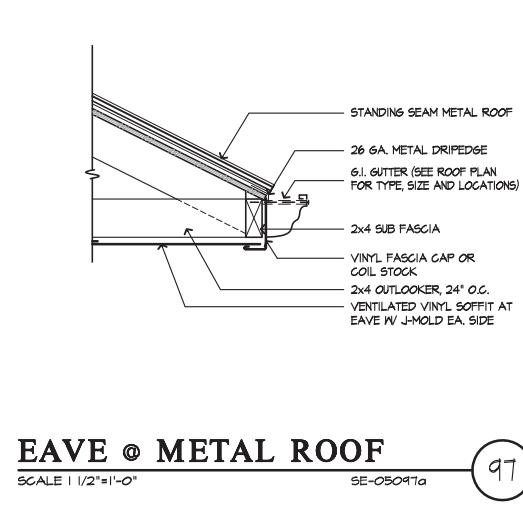
**PONY WALL**  
SCALE 3"=1'-0"  
SE-04072a



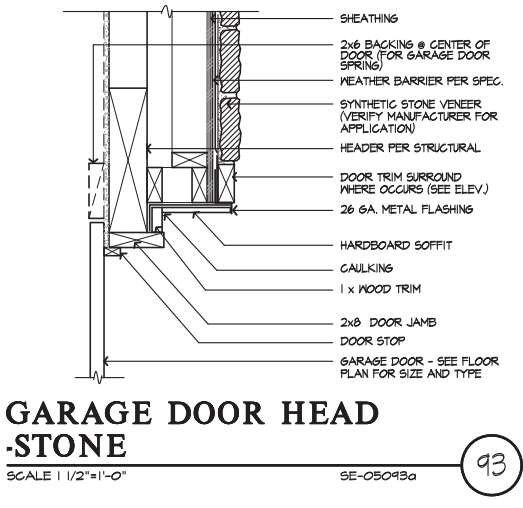
**COLUMN BASE W/ STONE**  
SCALE 1 1/2"=1'-0"  
SE-04068a



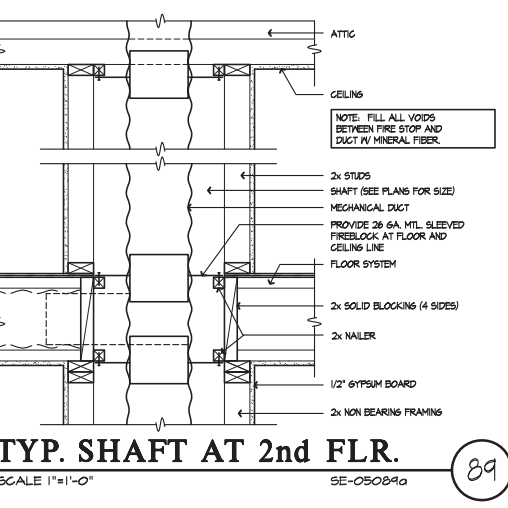
**COLUMN BASE W/ BRICK**  
SCALE 1 1/2"=1'-0"  
SE-04064a



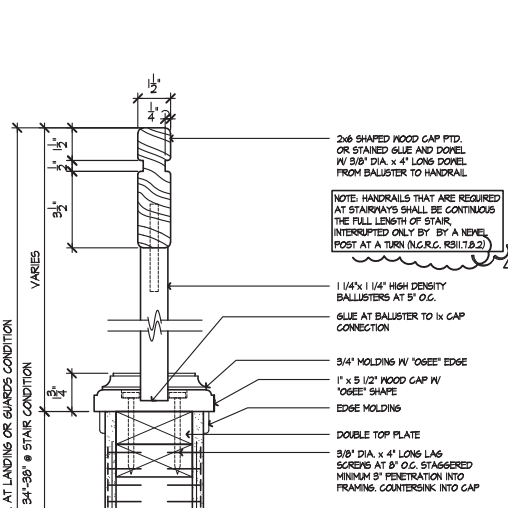
**EAVE @ METAL ROOF**  
SCALE 1/2"=1'-0"  
SE-05041a



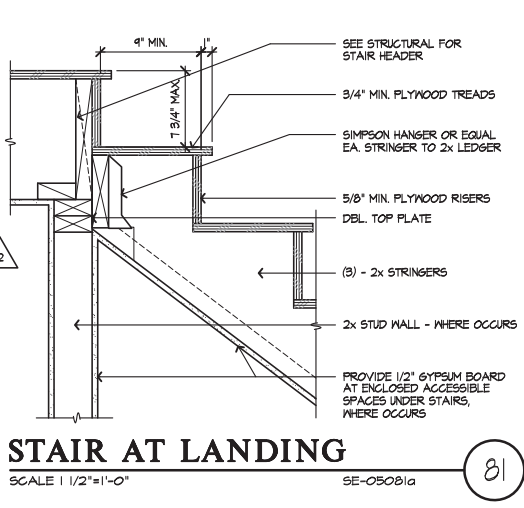
**GARAGE DOOR HEAD - STONE**  
SCALE 1/2"=1'-0"  
SE-05043a



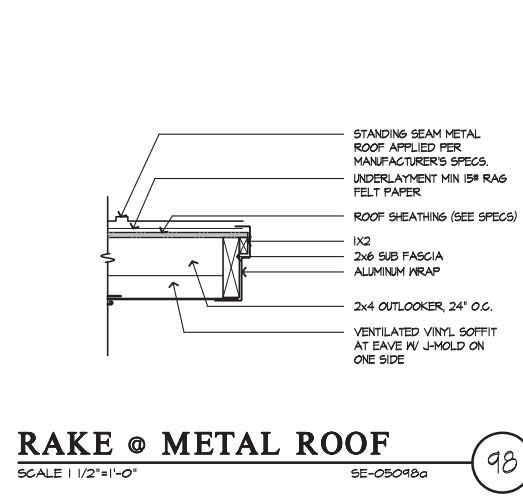
**TYP. SHAFT AT 2nd FLR.**  
SCALE 1"=1'-0"  
SE-05044a



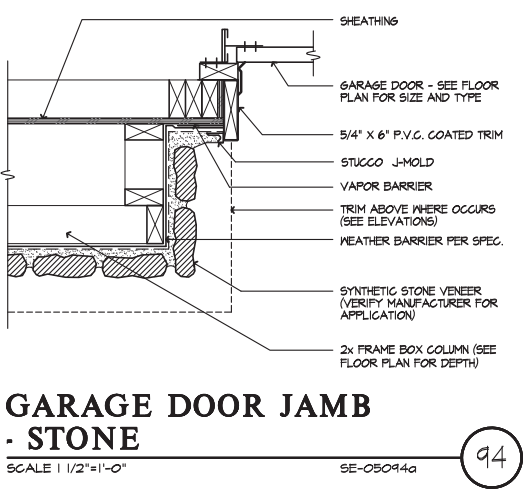
**GUARDRAIL**  
SCALE 3/4"=1'-0"  
SE-05086a



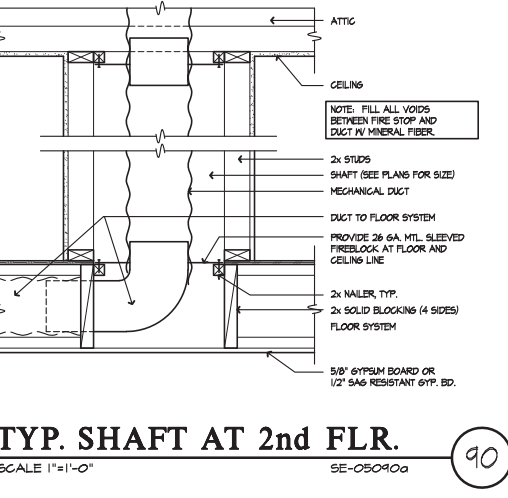
**STAIR AT LANDING**  
SCALE 1/2"=1'-0"  
SE-05081a



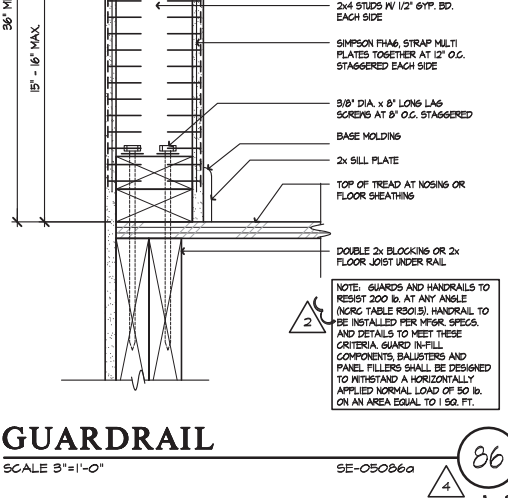
**RAKE @ METAL ROOF**  
SCALE 1/2"=1'-0"  
SE-05048a



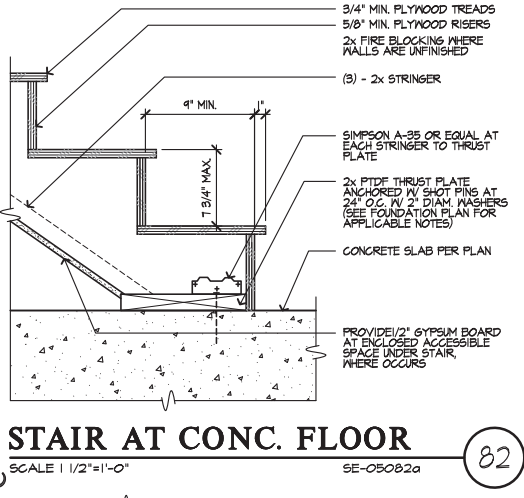
**GARAGE DOOR JAMB - STONE**  
SCALE 1/2"=1'-0"  
SE-05044a



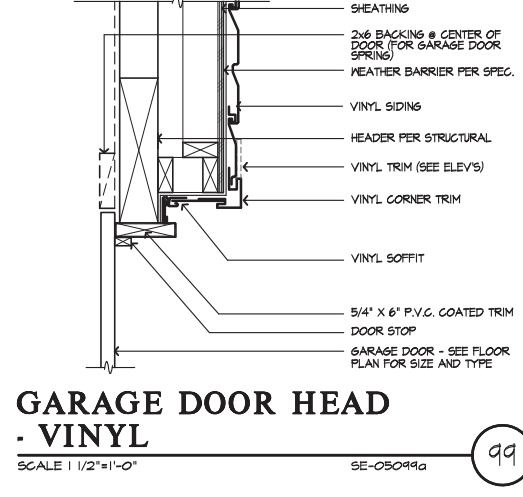
**TYP. SHAFT AT 2nd FLR.**  
SCALE 1"=1'-0"  
SE-05049a



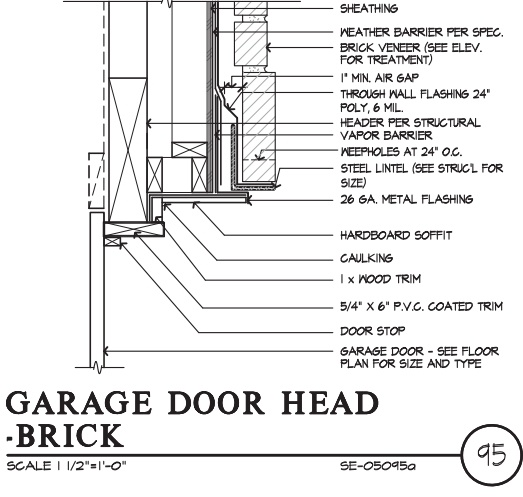
**GUARDRAIL**  
SCALE 3/4"=1'-0"  
SE-05086a



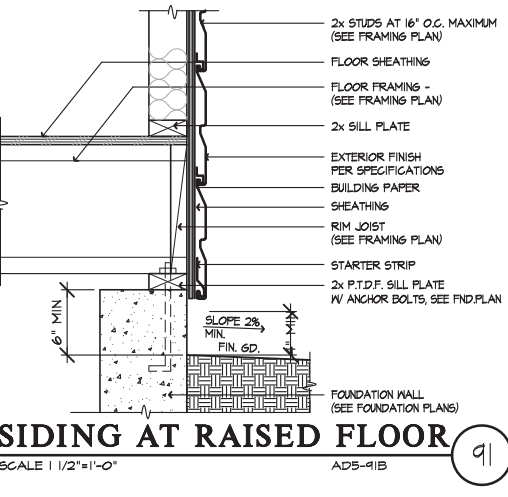
**STAIR AT CONC. FLOOR**  
SCALE 1/2"=1'-0"  
SE-05082a



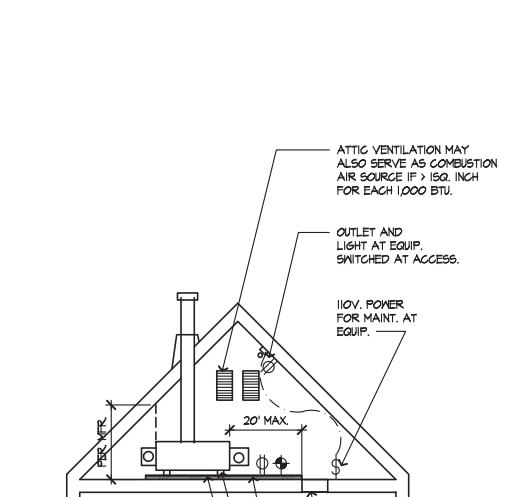
**GARAGE DOOR HEAD - VINYL**  
SCALE 1/2"=1'-0"  
SE-05049a



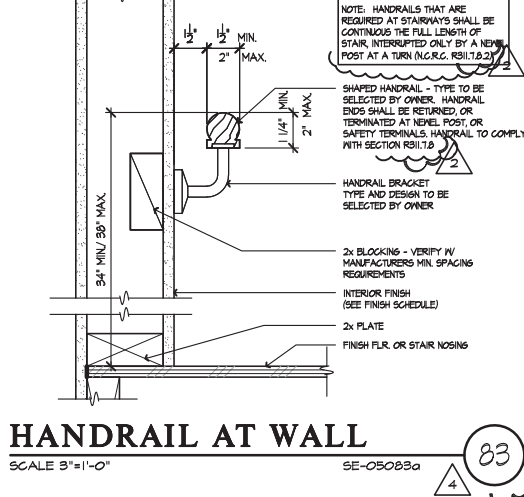
**GARAGE DOOR HEAD - BRICK**  
SCALE 1/2"=1'-0"  
SE-05045a



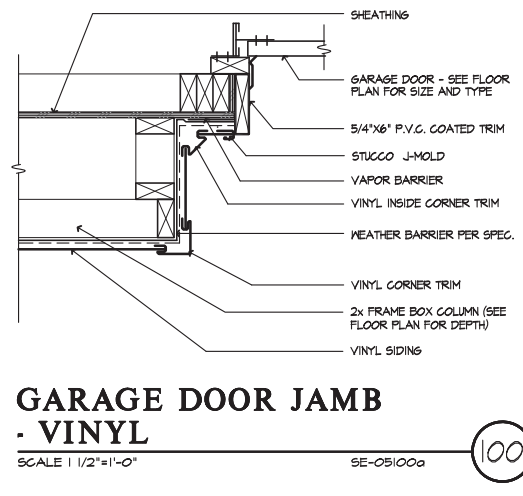
**SIDING AT RAISED FLOOR**  
SCALE 1/2"=1'-0"  
AD5-41B



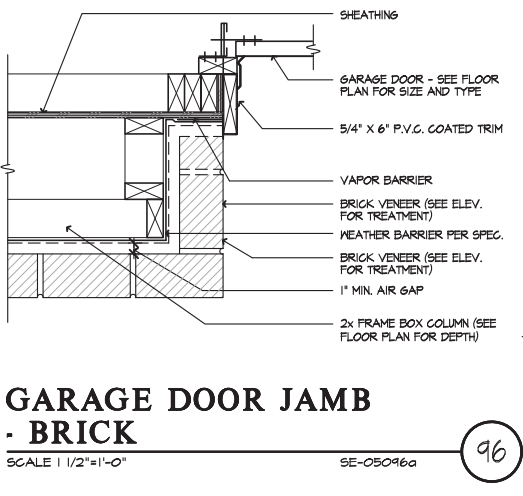
**HANDRAIL AT WALL**  
SCALE 3/4"=1'-0"  
SE-05083a



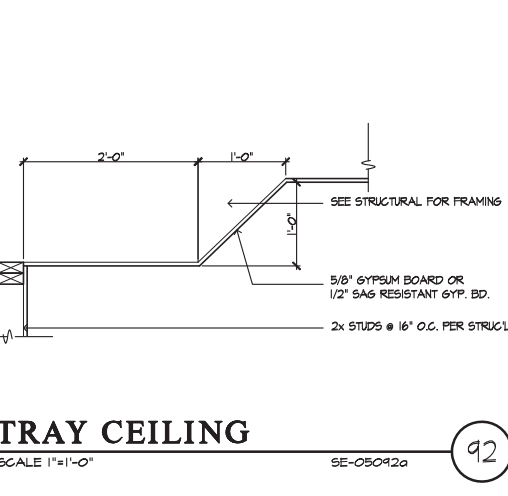
**HANDRAIL AT WALL**  
SCALE 3/4"=1'-0"  
SE-05083a



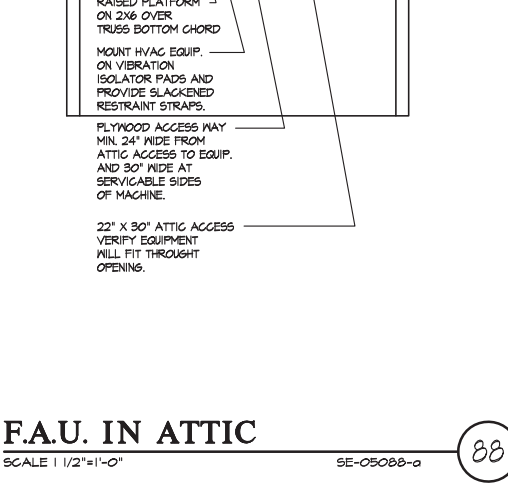
**GARAGE DOOR JAMB - VINYL**  
SCALE 1/2"=1'-0"  
SE-05100a



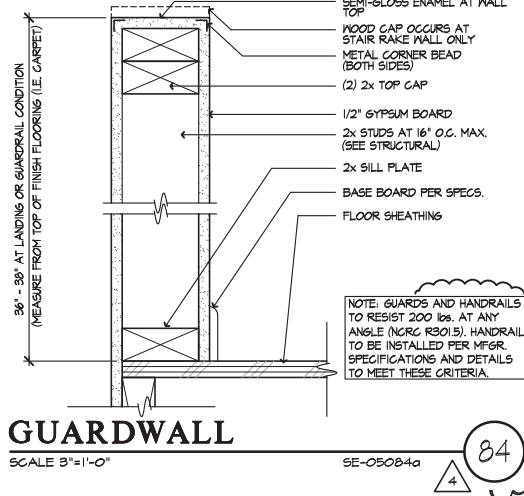
**GARAGE DOOR JAMB - BRICK**  
SCALE 1/2"=1'-0"  
SE-05046a



**TRAY CEILING**  
SCALE 1"=1'-0"  
SE-05092a



**F.A.U. IN ATTIC**  
SCALE 1/2"=1'-0"  
SE-05088a



**GUARDWALL**  
SCALE 3/4"=1'-0"  
SE-05084a

**DETAILS**

KB HOME  
NORTH CAROLINA DIVISION

4518 S. MIAMI BLVD.  
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DURHAM, NC 27703  
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1 COMPLIANCE REVIEW  
NC12006 - 02/28/12 - CTD

2 2012 NC CODE UPDATE  
NC12016 - 03/22/12 - CTD

3 DETAIL UPDATES  
NC15053 - 11/15 - DCS

4 2018 NC CODE UPDATE  
NC19015 - 01/24/19 - MCF

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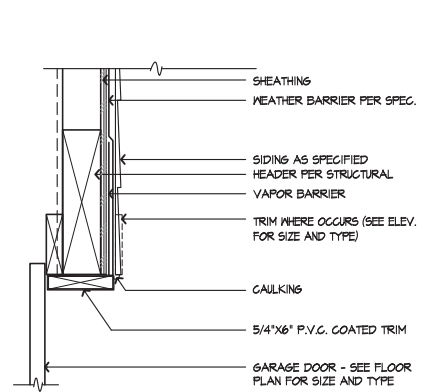
REVISION BY:	DATE	DESCRIPTION
1		
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PLAN: ALL  
SHEET: AD5



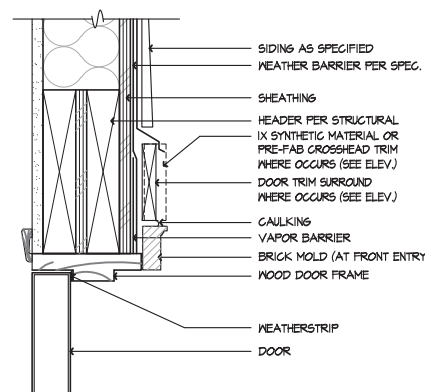
### GARAGE DOOR HEAD - SIDING

SCALE 1/2"=1'-0" SE-06117a



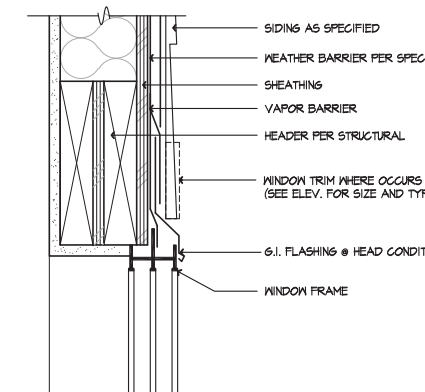
### DOOR HEAD - SIDING

SCALE 3/8"=1'-0" SE-06118a



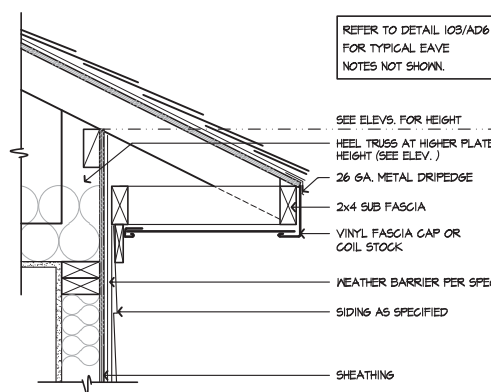
### WINDOW HEAD - SIDING

SCALE 3/8"=1'-0" SE-06119a



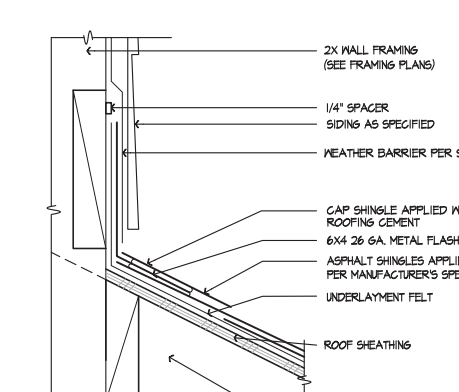
### HEEL TRUSS - SIDING

SCALE 1/2"=1'-0" SE-06109a



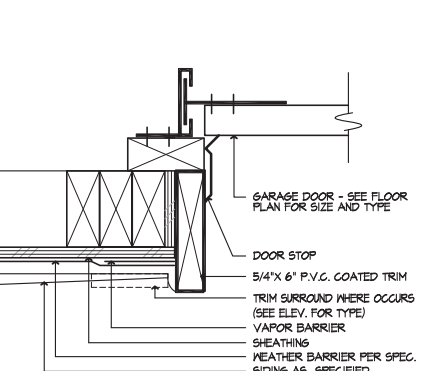
### ROOF TO WALL

SCALE 3/8"=1'-0" SE-06101a



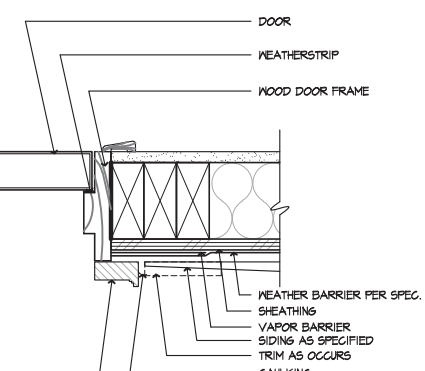
### GARAGE DOOR JAMB - SIDING

SCALE 3/8"=1'-0" SE-06118a



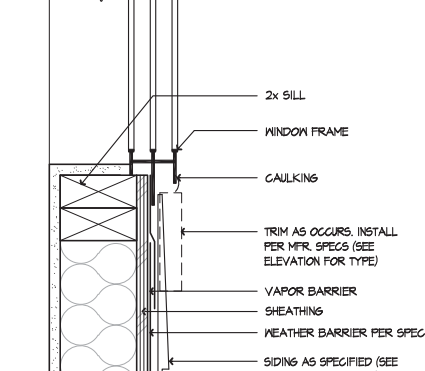
### DOOR JAMB - SIDING

SCALE 3/8"=1'-0" SE-06118a



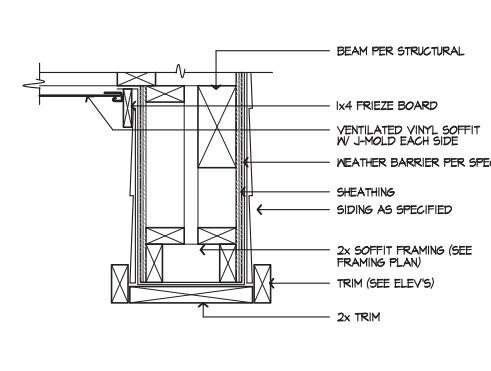
### WINDOW SILL - SIDING

SCALE 3/8"=1'-0" SE-06110a



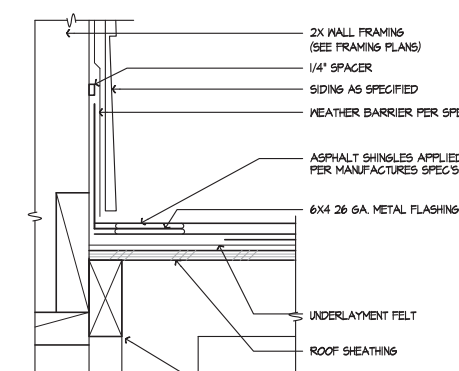
### SOFFIT @ PORCH

SCALE 1/2"=1'-0" SE-06106a



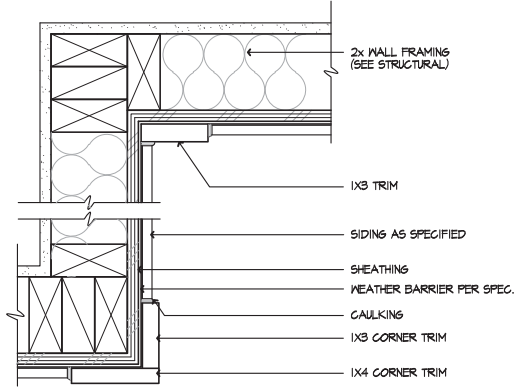
### ROOF TO WALL

SCALE 3/8"=1'-0" SE-06102a



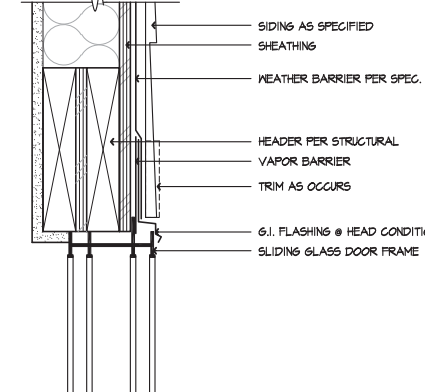
### CORNER TRIM - SIDING

SCALE 3/8"=1'-0" SE-06119a



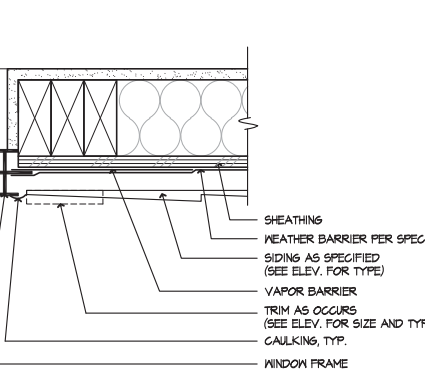
### SLDG. DOOR HEAD - SIDING

SCALE 3/8"=1'-0" SE-06118a



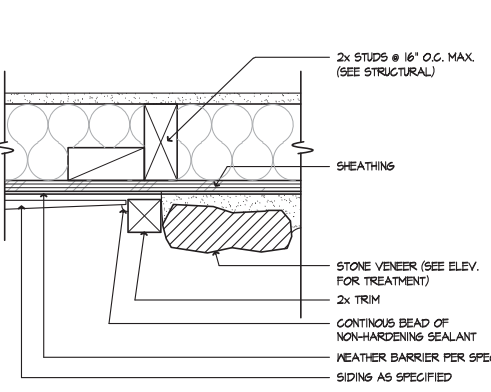
### WINDOW JAMB - SIDING

SCALE 3/8"=1'-0" SE-06111a



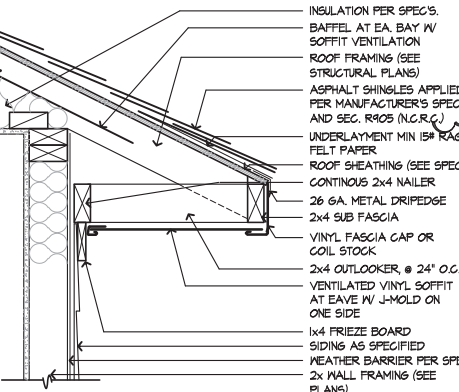
### SIDING TO STONE

SCALE 3/8"=1'-0" SE-06107a



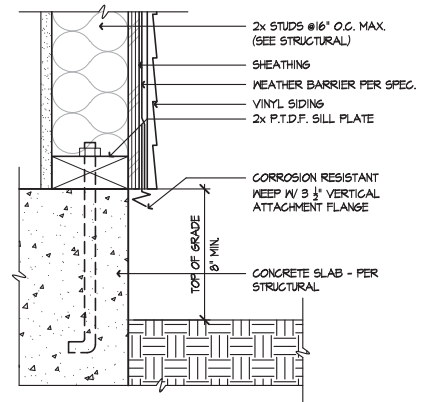
### EAVE

SCALE 1/2"=1'-0" SE-010091b



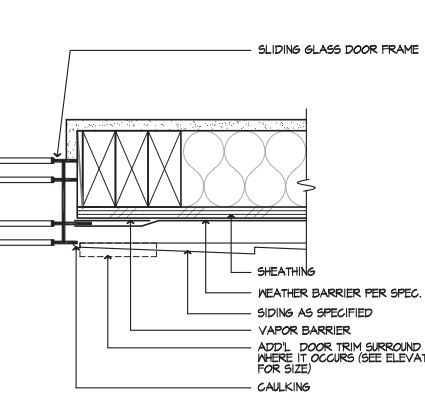
### SCREED - SIDING

SCALE 3/8"=1'-0" SE-06120a



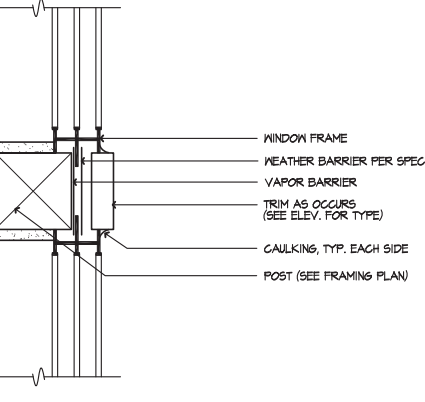
### SLDG. DOOR JAMB - SIDING

SCALE 3/8"=1'-0" SE-06118a



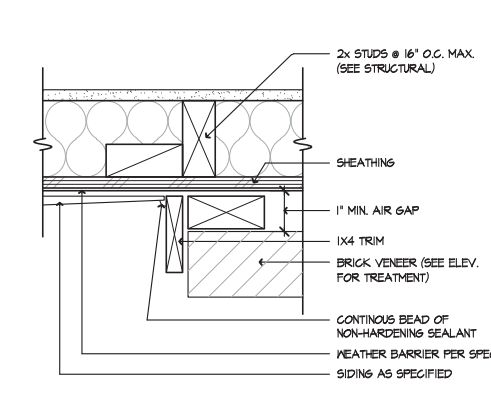
### VERT. WDW. MULL. - SIDING

SCALE 3/8"=1'-0" SE-06112a



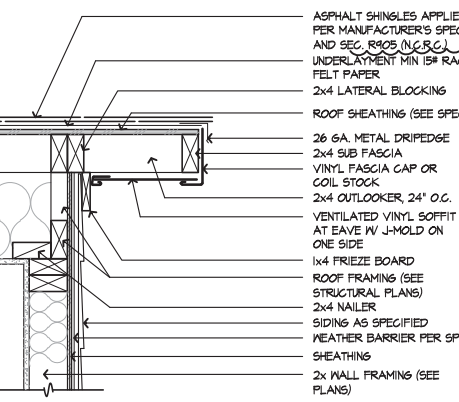
### SIDING TO BRICK

SCALE 3/8"=1'-0" SE-06108a



### RAKE

SCALE 1/2"=1'-0" SE-06104a



KB HOME NORTH CAROLINA DIVISION

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

ISSUE DATE: 09/28/11 PROJECT No.: 1350 DIVISION MGR.: K.W. REVISIONS: 01/24/19

- 1 COMPLIANCE REVIEW NCI2008 - 02/28/12 - CTD
- 2 2012 NC CODE UPDATE NCI2016 - 03/22/12 - CTD
- 3 DETAIL UPDATES NCI5933 - 11/13 - DC3
- 4 2018 NC CODE UPDATE NCI3915 - 01/24/19 - MCP

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PLAN: ALL SHEET: AD6

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# DETAILS

KB HOME  
NORTH CAROLINA DIVISION

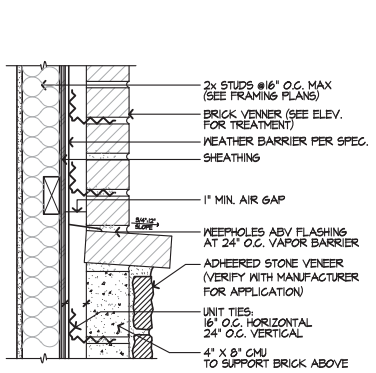
4518 S. MIAMI BLVD.  
SUITE 180  
DURHAM, NC 27703  
TEL: (919) 768-7988  
FAX: (919) 472-0582

ISSUE DATE: 09/28/11  
PROJECT No.: 1350  
DIVISION MGR.: K.W.  
REVISIONS: 01/24/19

- 1 COMPLIANCE REVIEW  
NC12808 - 02/28/12 - CTD
- 2 2012 NC CODE UPDATE  
NC12816 - 03/22/12 - CTD
- 3 DETAIL UPDATES  
NC15953 - 11/13/13 - DCS
- 4 2018 NC CODE UPDATE  
NC19015 - 01/24/19 - MCP

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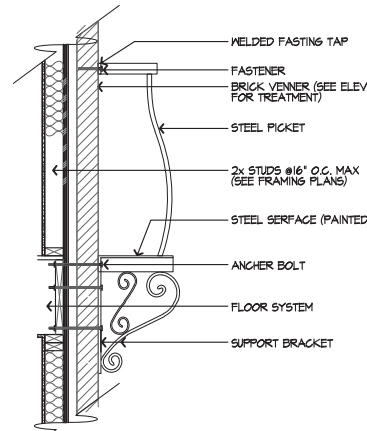
PLAN: **ALL**  
SHEET: **AD7**



### BRICK OVER STONE

NOT TO SCALE

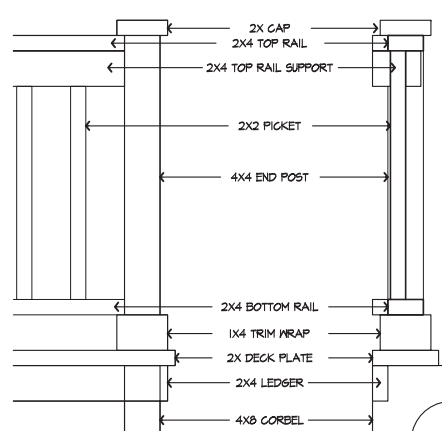
129  
AD7



### RAILING

NOT TO SCALE

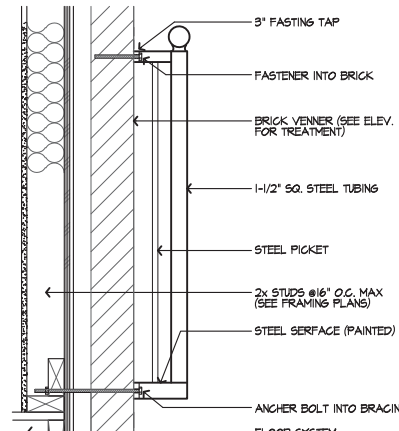
130  
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### WOOD RAILING

NOT TO SCALE

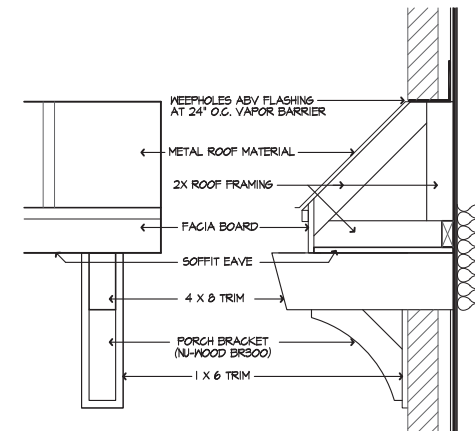
131  
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### RAILING

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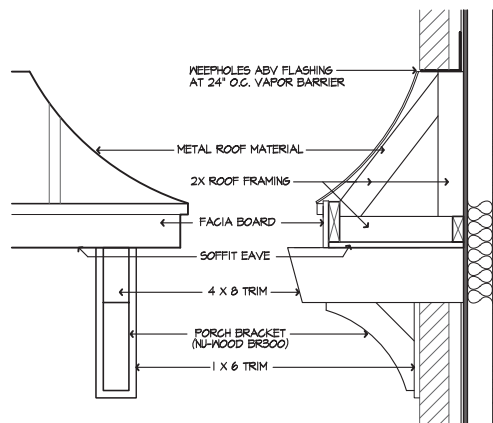
132  
AD7



### SHED ROOF

NOT TO SCALE

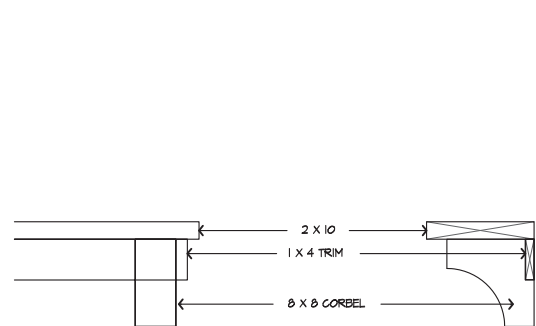
133  
AD7



### CURVED SHED ROOF

NOT TO SCALE

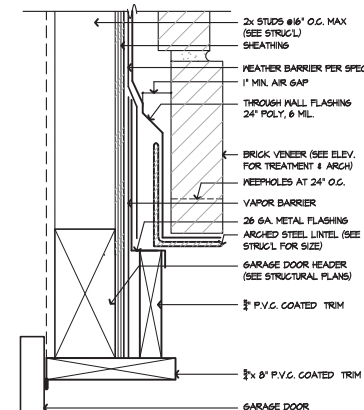
134  
AD7



### WINDOW LEDGE

NOT TO SCALE

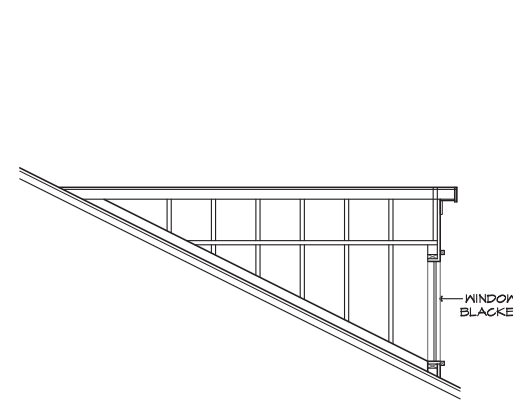
136  
AD7



### GARAGE DOOR HEAD W/ ARCHED BRICK

NOT TO SCALE

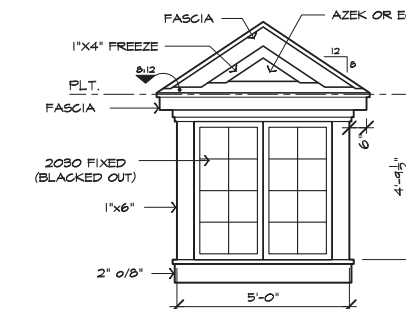
138  
AD7



### TYP. DORMER

NOT TO SCALE

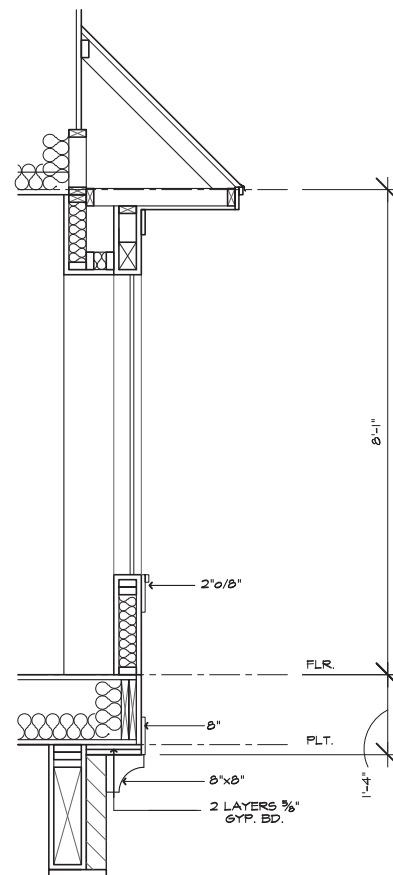
137  
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### EYEBROW DORMER

NOT TO SCALE

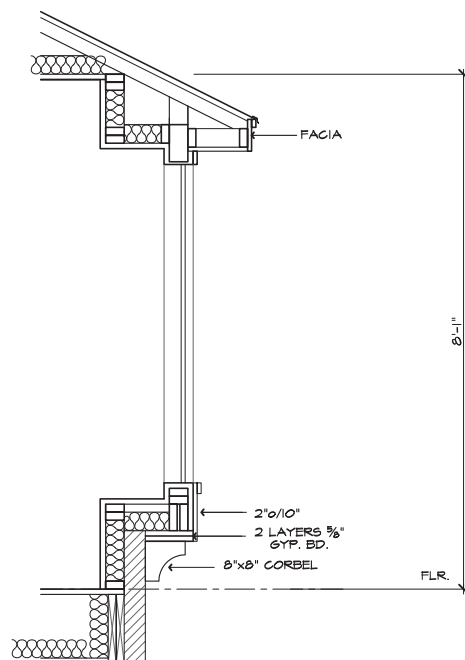
139  
AD7



### BAY

NOT TO SCALE

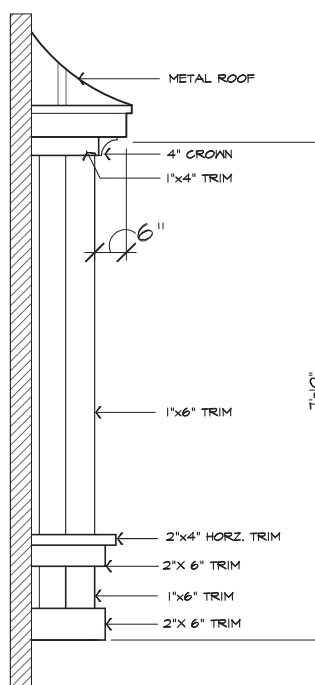
135  
AD7



### BAY (2)

NOT TO SCALE

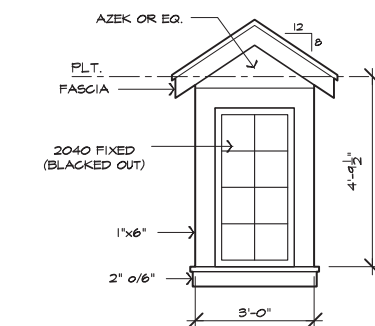
144  
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### BAY (2)

NOT TO SCALE

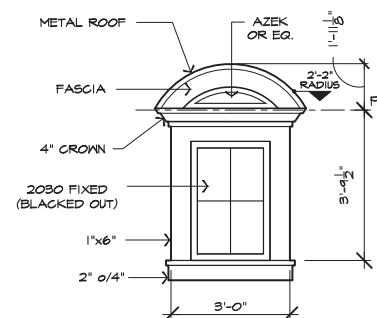
145  
AD7



### GABLE ROOF DORMER

NOT TO SCALE

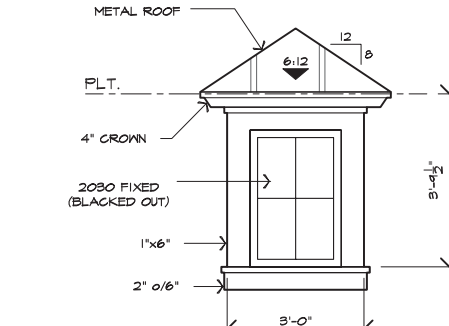
140  
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### ARCHED ROOF DORMER

NOT TO SCALE

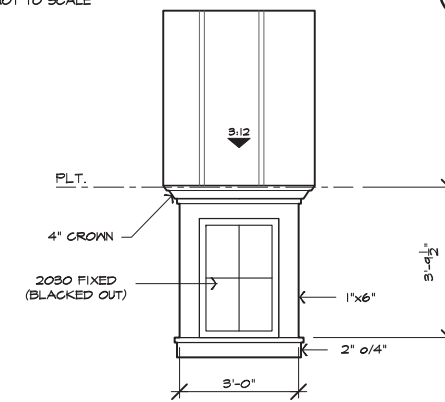
142  
AD7



### TYP. HIP DORMER

NOT TO SCALE

141  
AD7

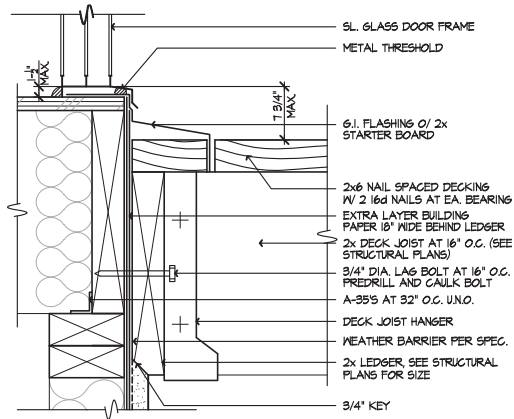


### TYP. SHED ROOF DORMER

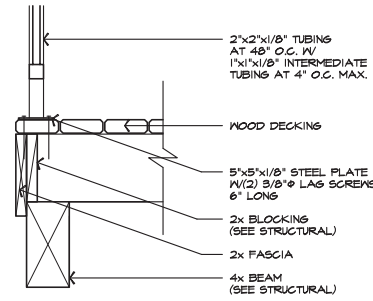
NOT TO SCALE

143  
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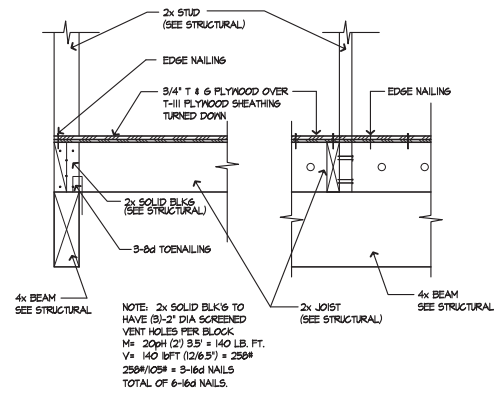
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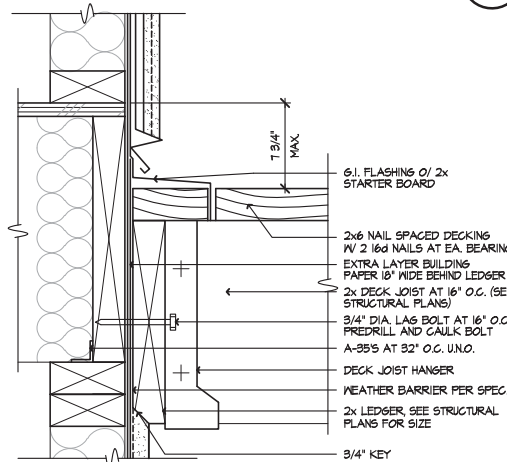
**SL. DR. TRESHOLD @ DECK** 154  
SCALE 3/4"=1'-0"  
0310-02 ADB



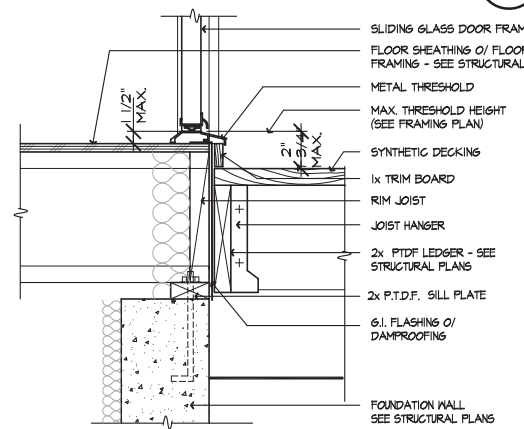
**DECK FRAMING** 150  
SCALE 1"=1'-0"  
ADB



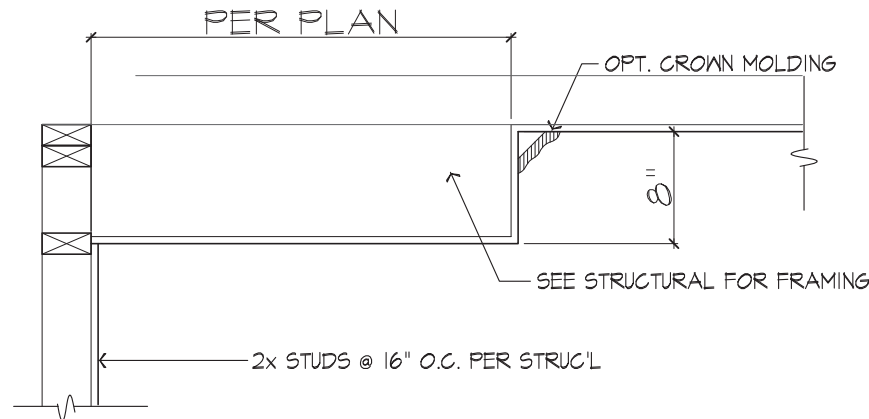
**DECK FRAMING** 151  
SCALE 1"=1'-0"  
ADB



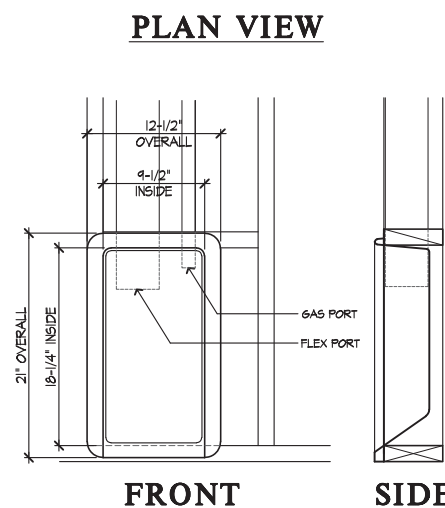
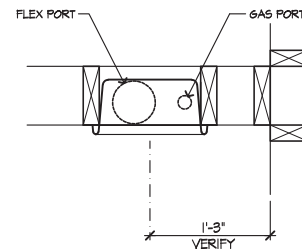
**WALL @ DECK** 152  
SCALE 3/4"=1'-0"  
ADB-152 ADB



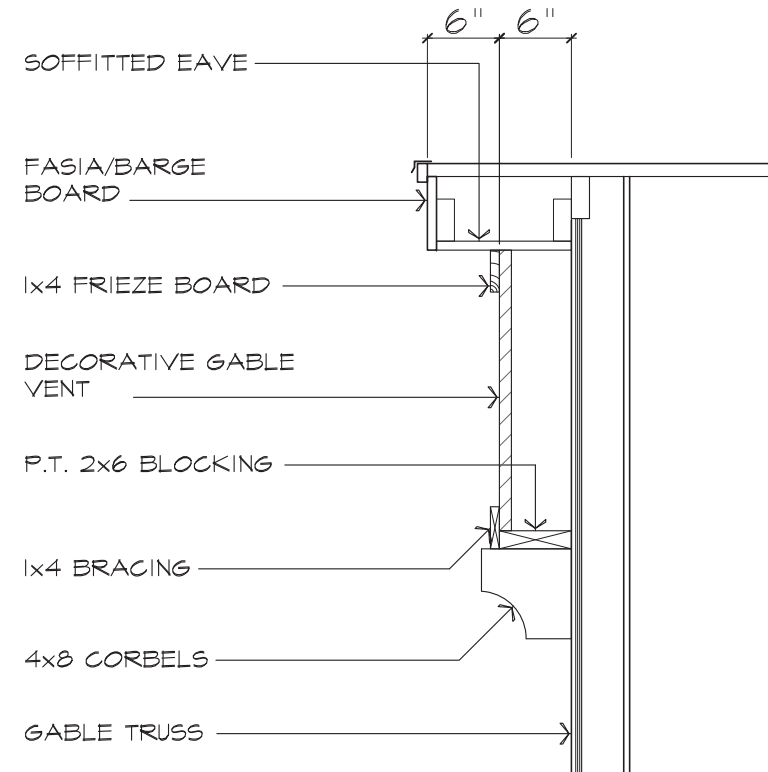
**SWING DOOR THRESHOLD** 153  
SCALE 1 1/2"=1'-0"  
0220-01c ADB



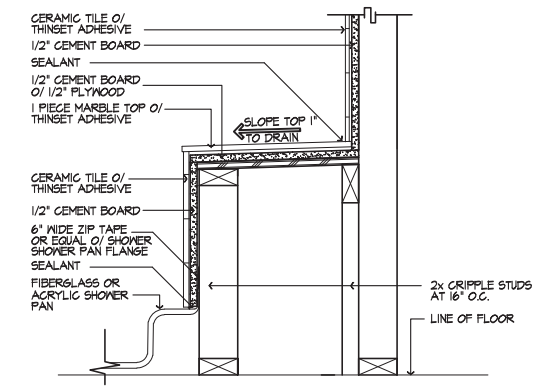
**BOX TRAY CEILING**  
NOT TO SCALE



**DRYER BOX DETAIL** 149  
SCALE: N.T.S.  
ADB-149 ADB



**GABLE VENT DETAIL**  
NOT TO SCALE



**SHOWER PAN SEAT** 146  
SCALE 1 1/2"=1'-0"  
BA-001A ADB



**DETAILS**

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

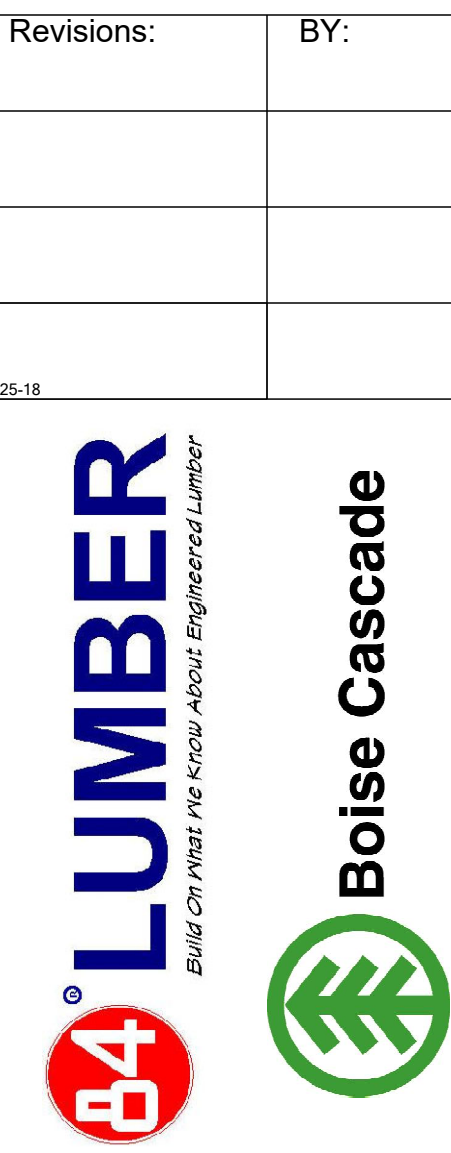
ISSUE DATE: 09/28/11  
PROJECT No.: 1350  
DIVISION MGR.: K.W.  
REVISIONS: 01/24/19

- 1 COMPLIANCE REVIEW  
NC12008 - 02/28/12 - CTD
- 2 2012 NC CODE UPDATE  
NC12016 - 03/22/12 - CTD
- 3 DETAIL UPDATES  
NC15053 - 11/3/15 - DCS
- 4 2018 NC CODE UPDATE  
NC19015 - 01/24/19 - MCF

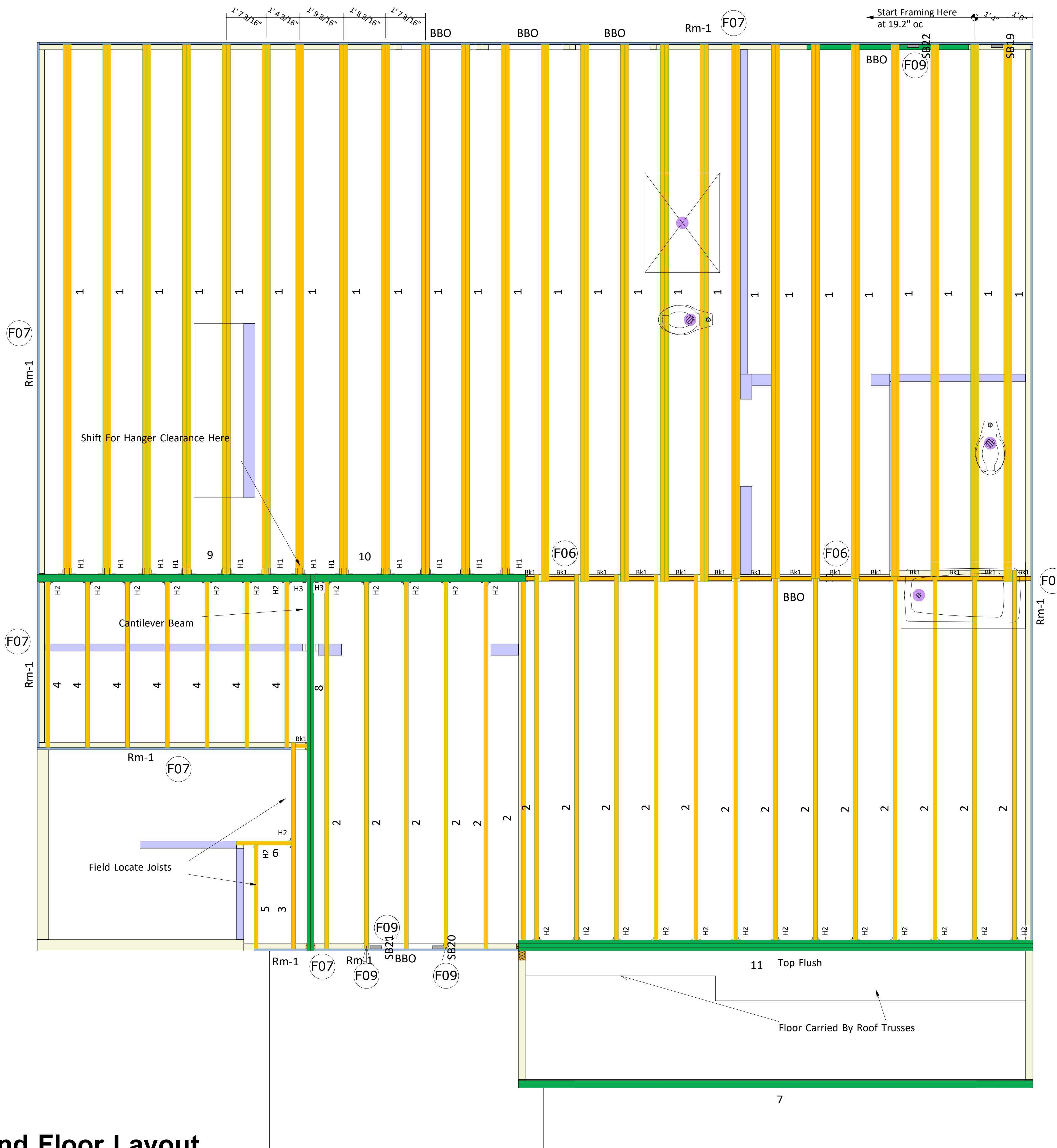
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PLAN: **ALL**  
SHEET: **AD8**

KB Homes  
2596 Elev.D  
7 Highland Grove

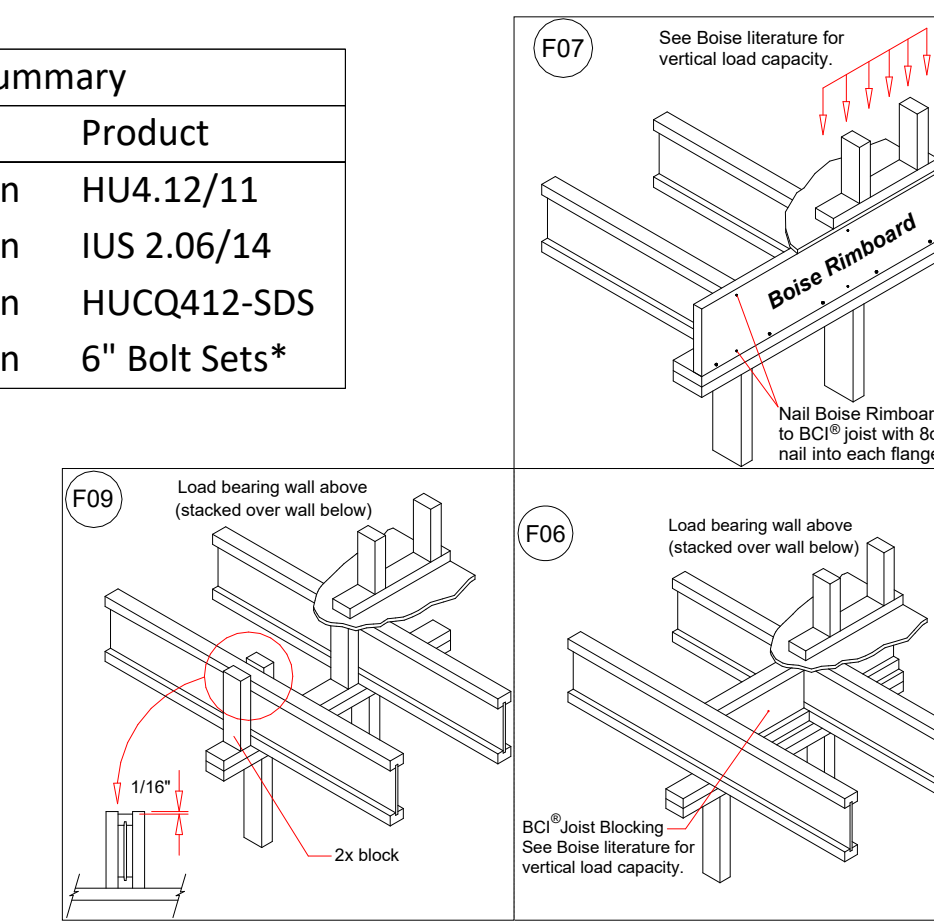


Second Floor Layout



Products				
PlotID	Net Qty	Product	Length	Plies
1	50	14" BCI® 5000s-1.8	22' 0"	2
2	19	14" BCI® 5000s-1.8	15' 0"	1
3	1	14" BCI® 5000s-1.8	9' 0"	1
4	7	14" BCI® 5000s-1.8	7' 0"	1
5	1	14" BCI® 5000s-1.8	5' 0"	1
6	1	14" BCI® 5000s-1.8	3' 0"	1
7	2	1-3/4" x 11-7/8" VERSA-LAM® LVL 2.1E 3100 SP	22' 0"	2
8	2	1-3/4" x 14" VERSA-LAM® LVL 2.1E 3100 SP	16' 0"	2
9	2	1-3/4" x 14" VERSA-LAM® LVL 2.1E 3100 SP	12' 0"	2
10	2	1-3/4" x 14" VERSA-LAM® LVL 2.1E 3100 SP	10' 0"	2
11	3	1-3/4" x 24" VERSA-LAM® LVL 2.1E 3100 SP	22' 0"	3
Rm-1	11	1" x 14" BC RIM BOARD OSB	12' 0"	1
Bk1	8	14" BCI® 5000s-1.8	2' 0"	1

Connector Summary			
PlotID	Qty	Manuf	Product
H1	12	Simpson	HU4.12/11
H2	27	Simpson	IUS 2.06/14
H3	2	Simpson	HUCQ412-SDS
Add*	40	Simpson	6" Bolt Sets*



SALES PRESENTATION DRAWING  
No structural or dimensional check has been made of this design drawings of the building, therefore, purchaser is to check all applicable dimensions, quantities, loads, details carefully. This drawing has not been checked by Boise Engineering.

Squash Blocks Required Under The Ends Of All LVL And Point Loads For Load Transfer - See Details

All I-Joist and Versa-Lam Beams Must be Installed per The Boise Cascade Installation Guide!

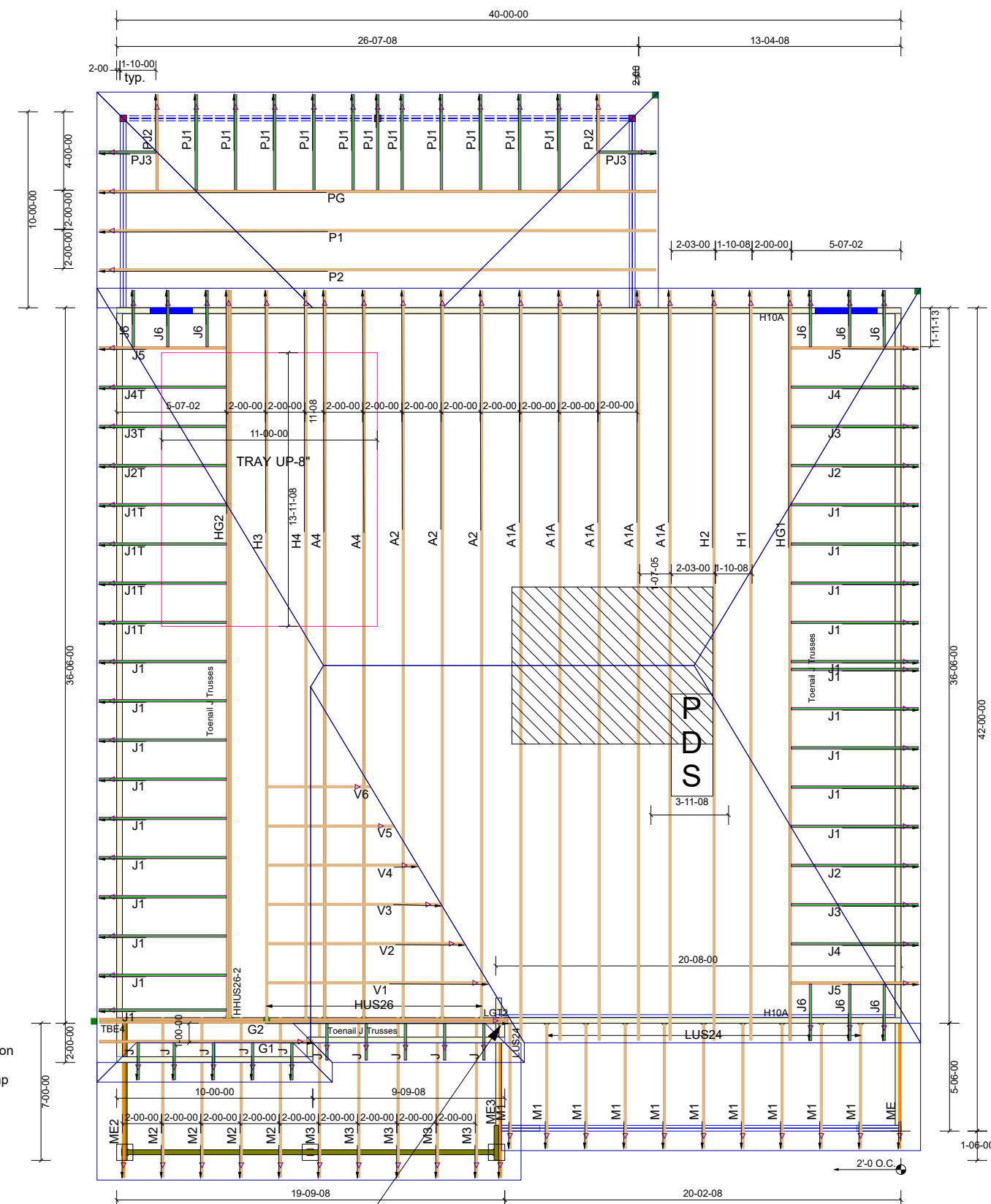
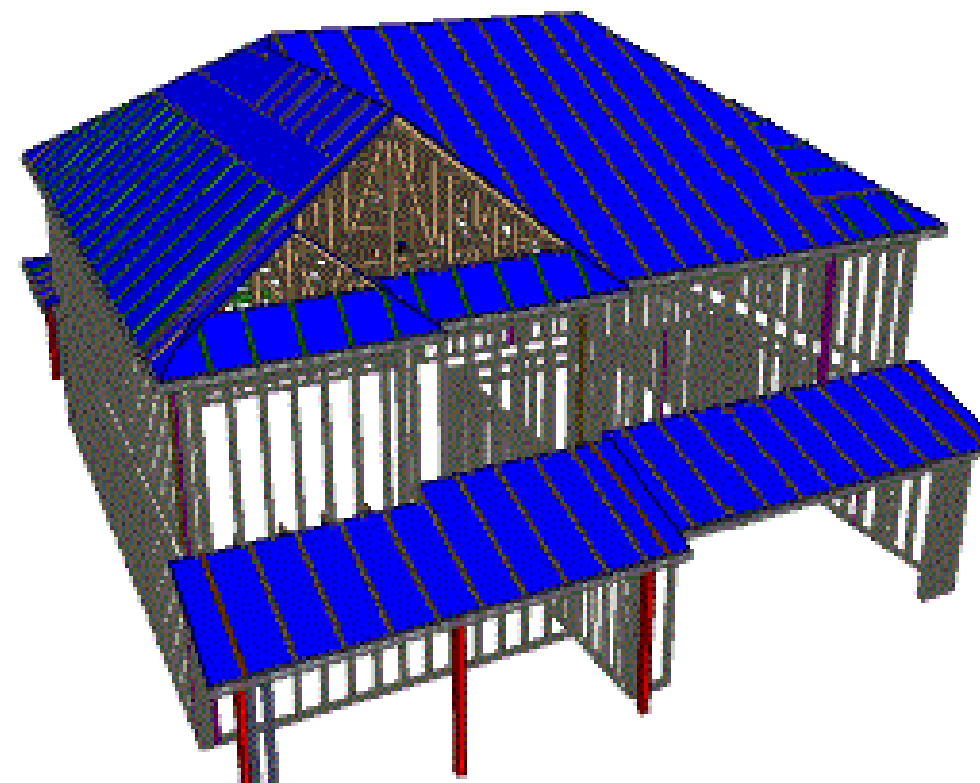
BC FRAMER II
Plan Date: 08132018
Structural Date: 10312019
By: GAT
Sheet: 2/3

KB Homes  
2596 Elev.D  
7 Highland Grove  
84 Lumber EWP

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

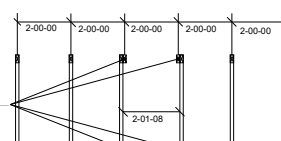


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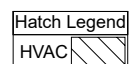


THE PURPOSE OF THIS DETAIL IS TO ILLUSTRATE HOW TO PROPERLY SPACE 24" O.C. ROOF TRUSSES TO ALLOW FOR A 25 1/2" OPENING FOR PULL DOWN ATTIC ACCESS

TRUSSES TO BE DESIGNED AT 24" ON CENTER



TRUSS LAYOUT DIMENSIONS AT PULL DOWN ATTIC ACCESS



Truss Connector List			
Symbol	Manuf	Product	Qty
A	Simpson	HUS26	7
B	Simpson	LUS24	10
C	Simpson	HHUS26-2	1
TBE4	Simpson	TBE4	1 set
H10A	Simpson	H10A	2
LGT2	Simpson	LGT2	1

PROJECT: Lot 7 Highland Grove  
 CUSTOMER: KB HOME  
 MODEL: 240.2596 "D" w/Tray Ext CP GOR  
 SCALE: NOT TO SCALE  
 DRAWN BY: MWM  
 PRINT DATE: 1/28/21  
 ORDER NUMBER: 25089A  
 REV: XXXX  
 SHIP DATE: 2021

TOP LIVE: 20 PSF  
 TOP DEAD: 10 PSF  
 BOTM DEAD: 10 PSF  
 WIND SPD: 120 MPH

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

Floor Loading on M2 & M3 roof trusses at bump out





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

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

**ABBREVIATIONS**

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

**MATERIALS**

- 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**

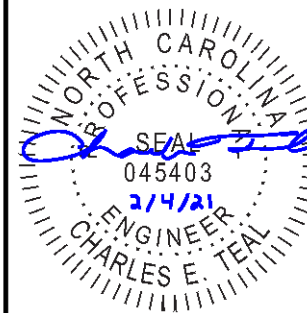
- MINIMUM ALLOWABLE SOIL BEARING CAPACITY IS ASSUMED TO BE 2,000 PSF. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SOIL BEARING CAPACITY IF UNSATISFACTORY CONDITIONS EXIST.
- CONCRETE FOUNDATION WALLS TO BE SELECTED AND CONSTRUCTED PER SECTION R404 OR AMERICAN CONCRETE INSTITUTE STANDARD ACI 318.
- 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.
  - A. TABLES ASSUME THAT WALLS HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM.
  - B. FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER SECTION R405.
- PLAIN-MASONRY WALL DESIGN TO BE PER TABLE R404.1.1(1) OR AS NOTED OR DETAILED. MASONRY WALLS WITH VERTICAL REINFORCEMENT TO BE PER TABLES R404.1.1 (2 THROUGH 4) OR AS NOTED OR DETAILED. ALL MASONRY WALLS SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 6.
  - A. TABLES ASSUME THAT WALLS HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM.
  - B. WALL REINFORCING SHALL BE PLACED ACCORDING TO FOOTNOTE (c) OF THE TABLES (REINFORCING IS NOT CENTERED IN WALL).
  - C. FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER SECTION R405.
- 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.
- PORCH / PATIO COLUMNS TO BE 4x4 MINIMUM PRESSURE-TREATED LUMBER.
  - A. ATTACH PORCH COLUMNS TO SLAB / FDN WALL USING ABA, ABU, ABW, OR CPT SIMPSON POST BASES TO FIT COLUMN SIZES NOTED ON PLAN -OR- ANY OTHER COLUMN CONNECTION WITH 500# UPLIFT CAPACITY.
  - B. ATTACH PORCH COLUMNS TO PORCH BEAMS USING AC OR BC SIMPSON POST CAPS TO FIT COLUMN SIZES NOTED ON PLAN -OR- ANY OTHER COLUMN CONNECTION WITH 500# UPLIFT CAPACITY.
  - C. TRIM OUT COLUMN(S) AND BEAM(S) PER BUILDER AND DETAILS.
- ALL ENGINEERED WOOD PRODUCTS (LVL, PSL, LSL, ETC.) SHALL BE INSTALLED WITH CONNECTIONS PER MANUFACTURER SPECIFICATIONS.
- ENGINEERED WOOD FLOOR SYSTEMS AND ROOF TRUSS SYSTEMS:
  - A. SHOP DRAWINGS FOR THE SYSTEMS SHALL BE PROVIDED TO THE ENGINEER OF RECORD FOR REVIEW AND COORDINATION BEFORE CONSTRUCTION.
  - B. TRUSS PROFILES SHALL BE SEALED BY THE TRUSS MANUFACTURER.
  - C. INSTALLATION OF THE SYSTEMS SHALL BE PER MANUFACTURER'S INSTRUCTIONS.
  - D. TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN IN THESE DRAWINGS.
- 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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240.2596

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.

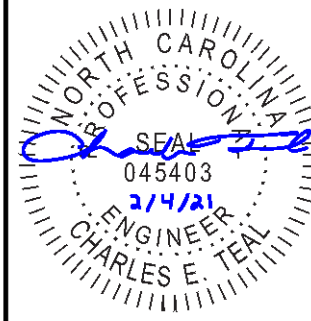
BRICK VENEER LINTEL SCHEDULE		
SPAN	STEEL ANGLE SIZE	END BEARING LENGTH
UP TO 42"	L3-1/2"x3-1/2"x1/4"	8" (MIN. @ EACH END)
UP TO 72"	L6"x4"x5/16" (LLV)	8" (MIN. @ EACH END)
OVER 72"	L6"x4"x5/16" (LLV) ATTACH LINTEL w/ 1/2" THRU BOLT @ 12" OC, 3" FROM EACH END	

\* 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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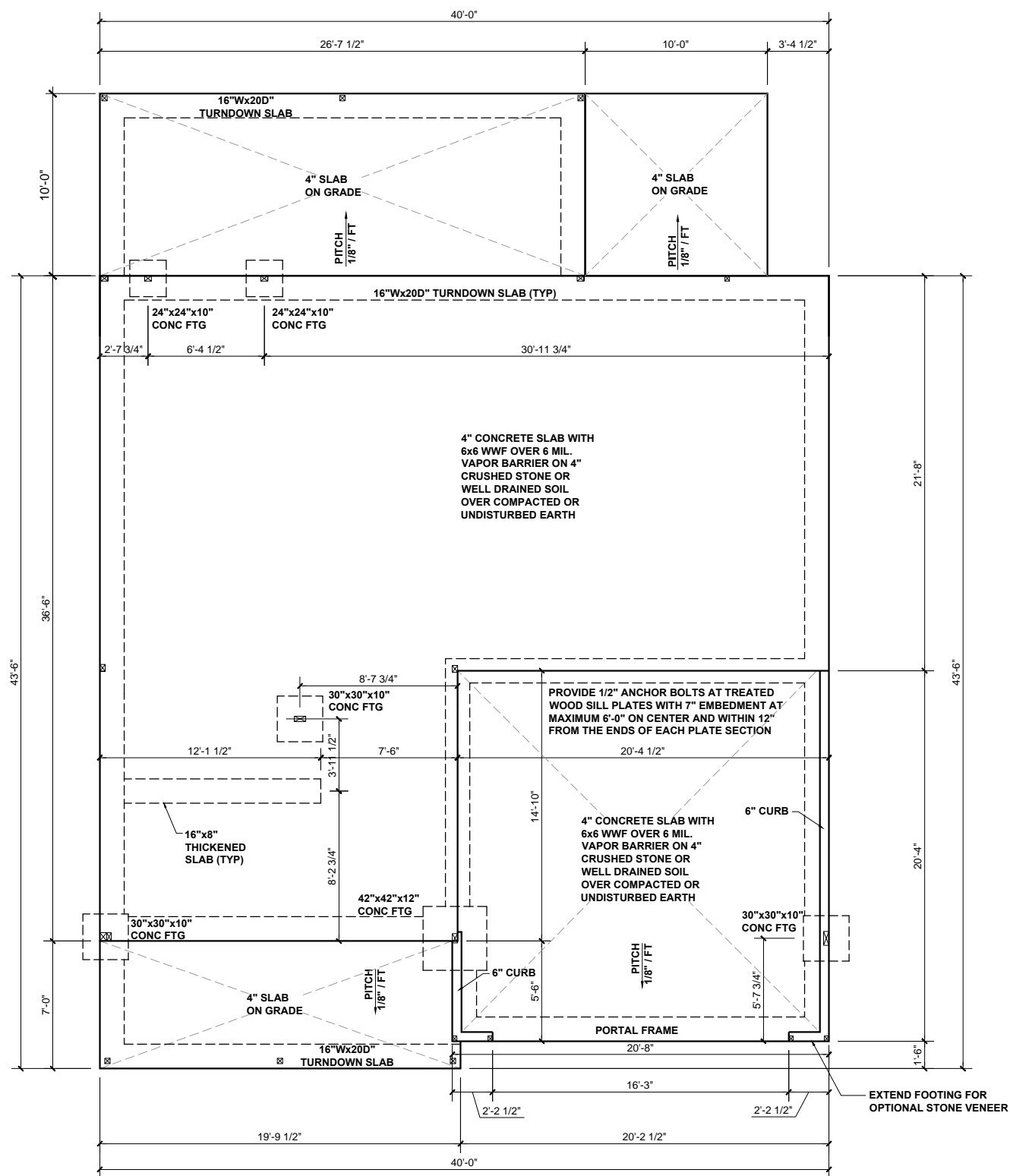
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GENERAL NOTES

**GN1.1**

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

**BEAM & POINT LOAD LEGEND**

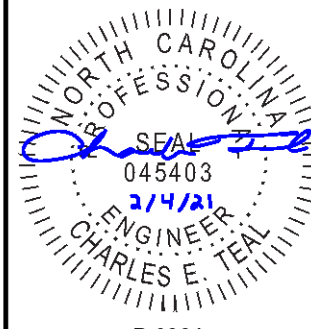
- INTERIOR LOAD BEARING WALL
- - - ROOF RAFTER / TRUSS SUPPORT
- · - · - DOUBLE RAFTER / DOUBLE JOIST
- STRUCTURAL BEAM / GIRDER
- WINDOW / DOOR HEADER
- ⊠ POINT LOAD TRANSFER
- POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

(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.



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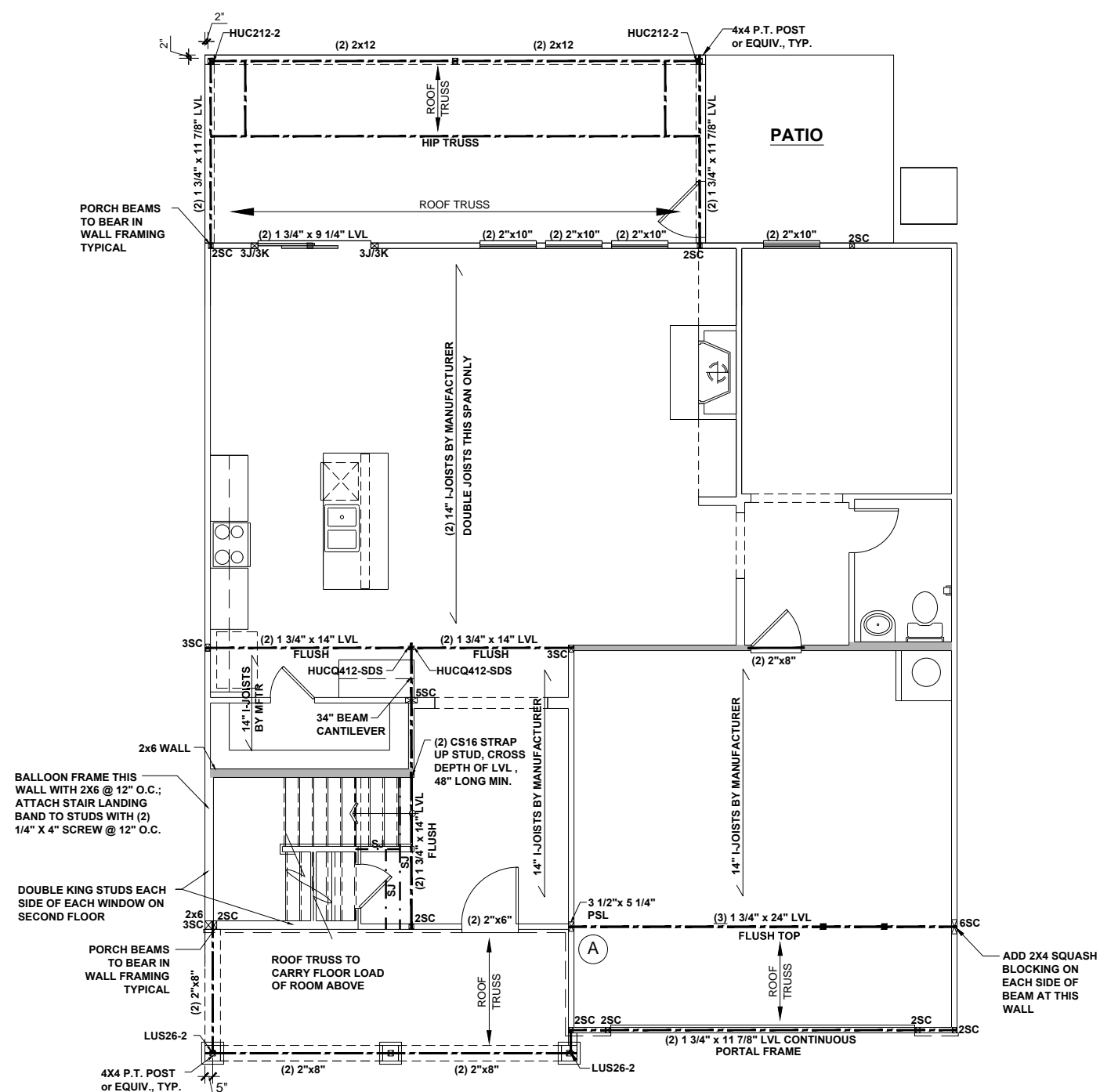
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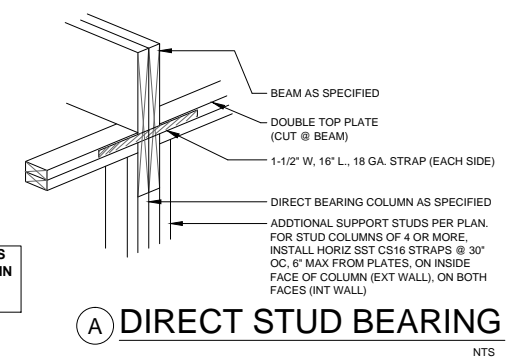
SLAB  
FOUNDATION PLAN  
**S.10D**

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

WHEN INSTALLING PSL COLUMNS  
 INSTALL PSL SQUASH BLOCKING IN  
 FLOOR SYSTEM DOWN TO  
 FOUNDATION BEARING



**BEAM & POINT LOAD LEGEND**

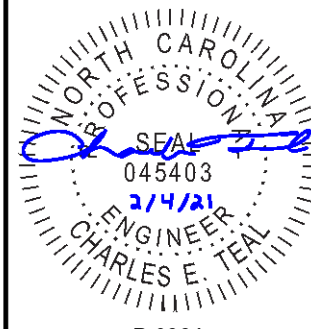
- INTERIOR LOAD BEARING WALL
- ROOF RAFTER / TRUSS SUPPORT
- DOUBLE RAFTER / DOUBLE JOIST
- STRUCTURAL BEAM / GIRDER
- WINDOW / DOOR HEADER
- POINT LOAD TRANSFER
- POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

- 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).

- I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR
- 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.
- \*\*REFER TO I-JOIST EQUIVALENT 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.



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FIRST FLOOR  
 CEILING FRAMING PLAN

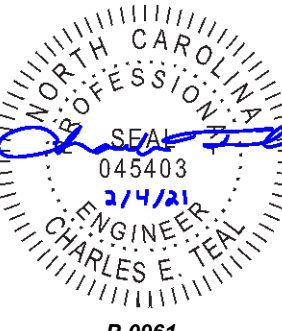
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BEAM & POINT LOAD LEGEND	
	INTERIOR LOAD BEARING WALL
	ROOF RAFTER / TRUSS SUPPORT
	DOUBLE RAFTER / DOUBLE JOIST
	STRUCTURAL BEAM / GIRDER
	WINDOW / DOOR HEADER
	POINT LOAD TRANSFER
	POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

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



**P-0961**

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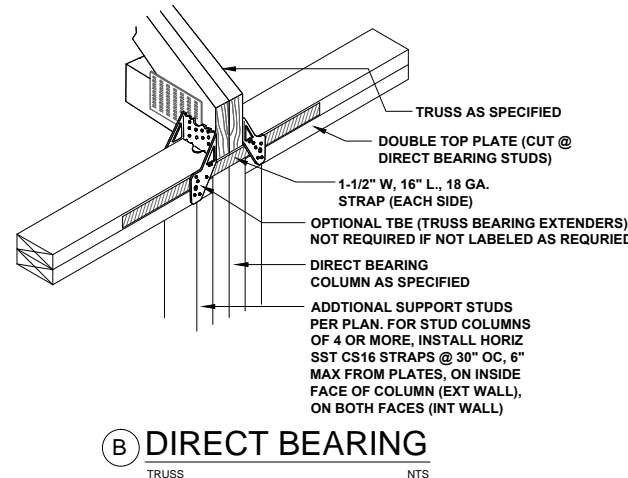
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DATE: 02/04/2021

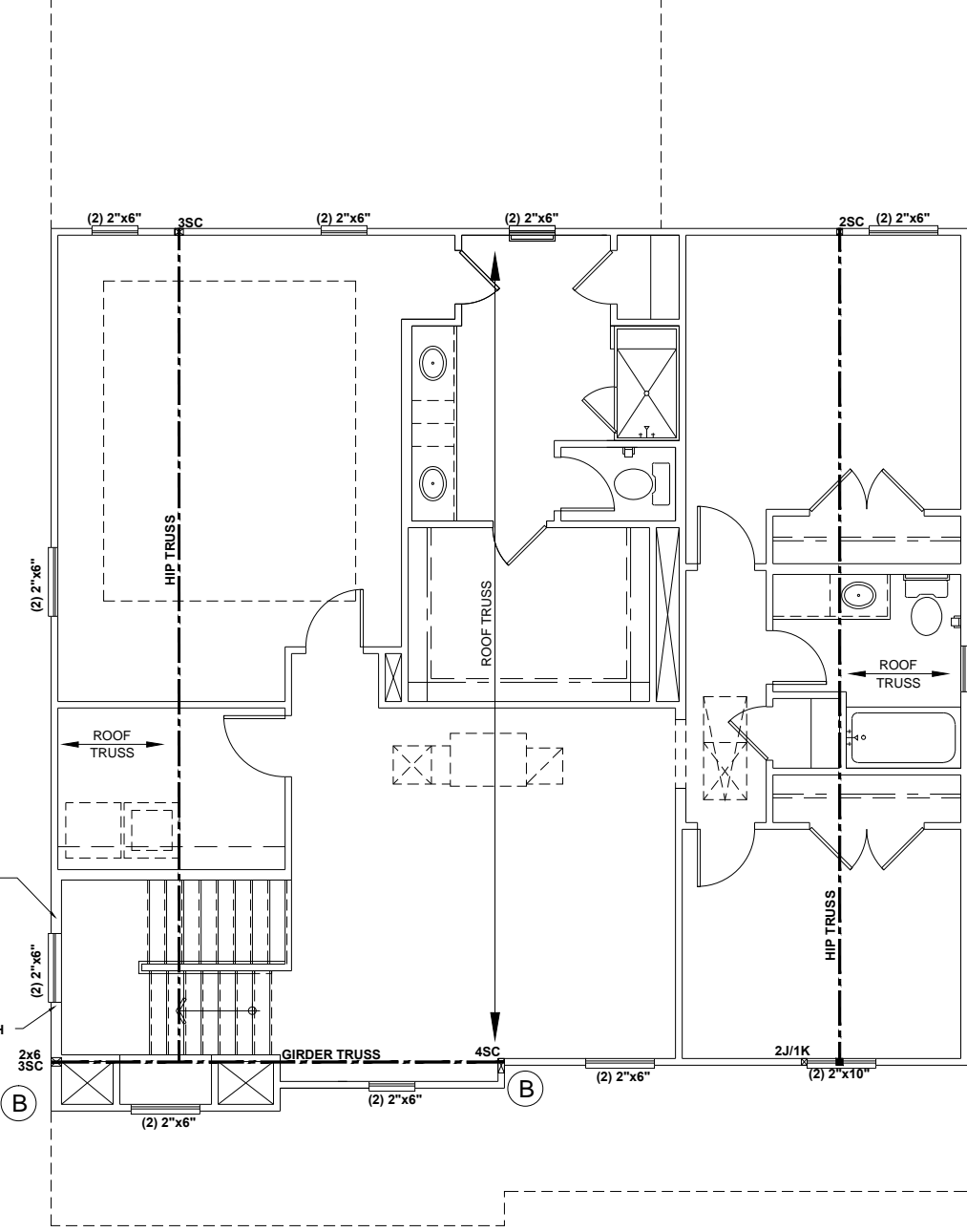
PLAN:  
**240.2596**

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



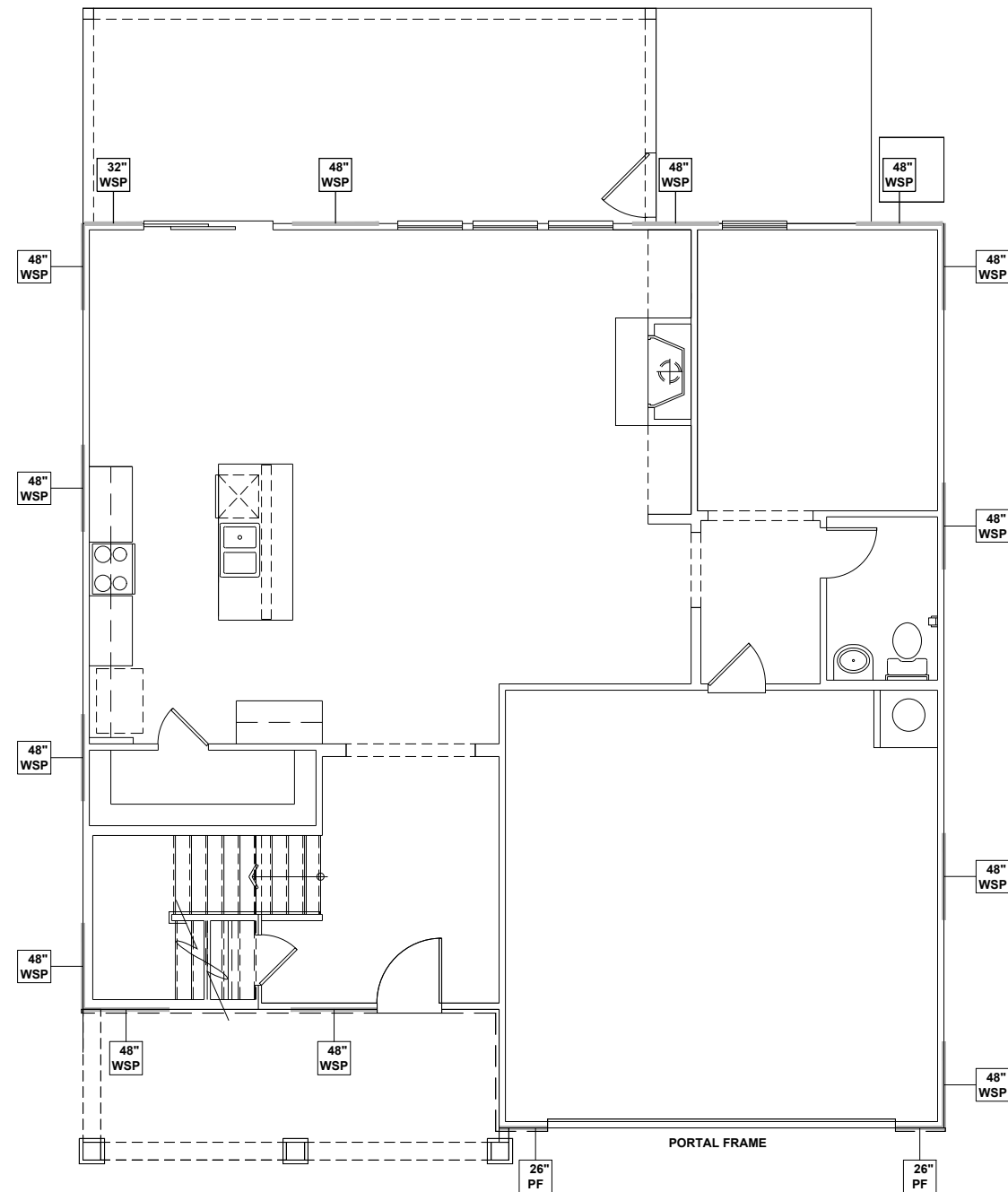
BALLOON FRAME THIS WALL WITH 2X6 @ 12" O.C.; ATTACH STAIR LANDING BAND TO STUDS WITH (2) 1/4" X 4" SCREW @ 12" O.C.

DOUBLE KING STUDS EACH SIDE OF EACH WINDOW



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

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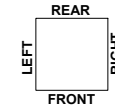


**FIRST FLOOR WALL BRACING PLAN - 'D'**

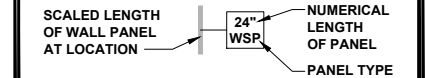
SCALE: 1/8"=1'-0"

**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.

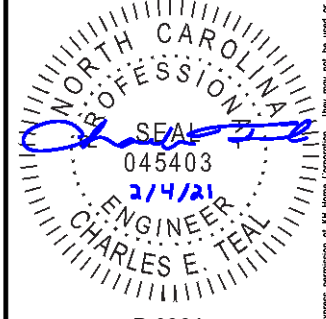


**WALL BRACING: RECTANGLE 1**

SIDE	REQUIRED LENGTH	PROVIDED LENGTH
FRONT	12.0 FT.	14.5 FT.
RIGHT	12.0 FT.	16.0 FT.
REAR	12.0 FT.	14.6 FT.
LEFT	12.0 FT.	16.0 FT.



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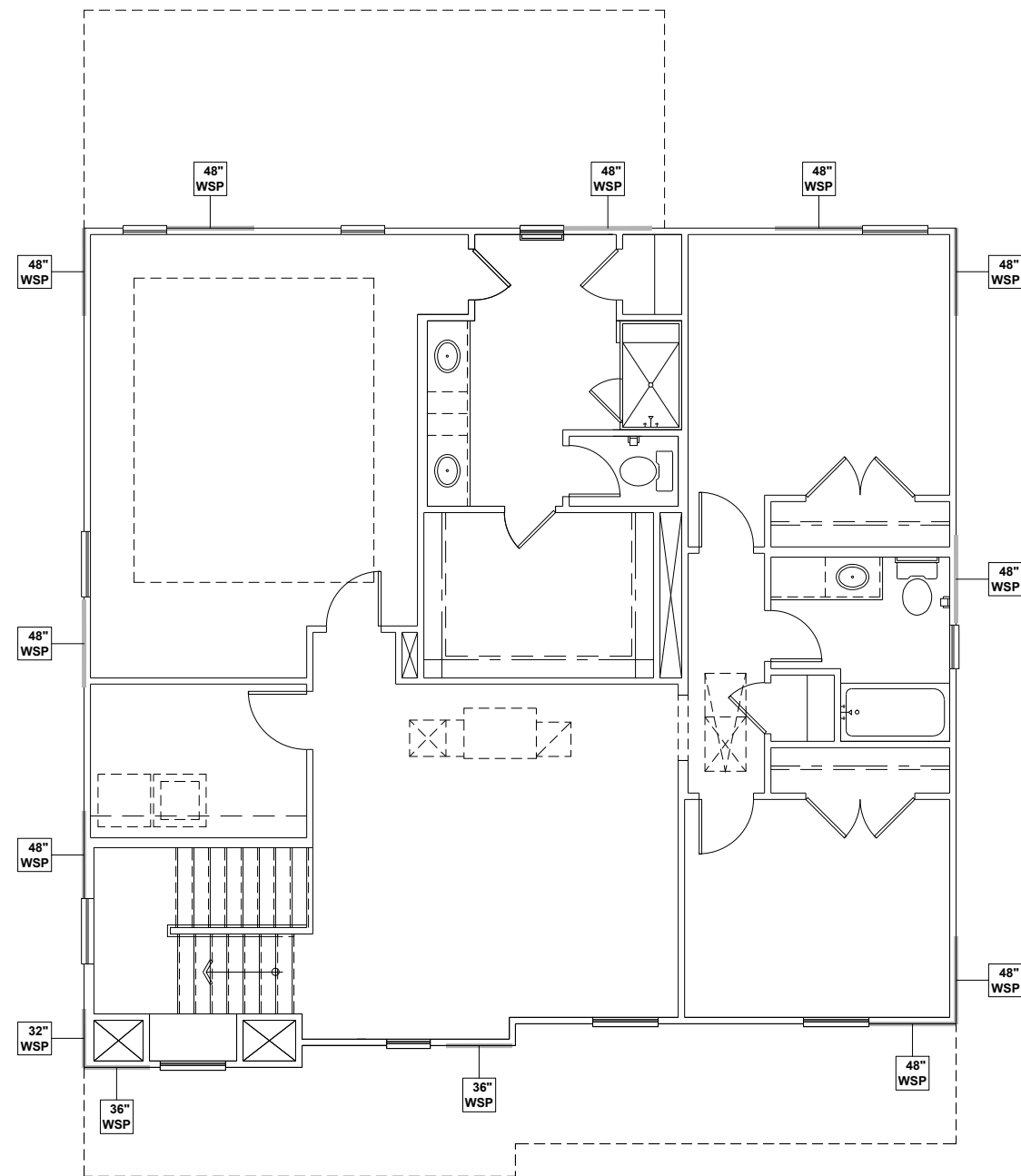


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PLAN:  
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FIRST FLOOR  
WALL BRACING PLAN  
**S4.0D**

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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:

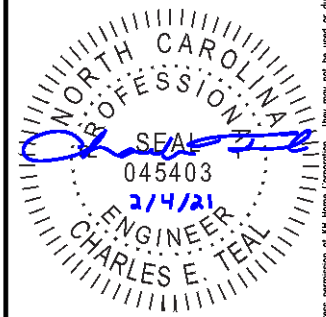
- ◆ CS16 STRAP FROM STUD, CROSS HEADER, TO WALL TOP PLATE, 36" LONG MINIMUM
- ▶ SIMPSON MSTA15 HOLD DOWN CAPACITY OF 970 POUNDS PER ANCHOR WITH (12) 10d NAILS. STRAP TO BE LOCATED AT EDGE OF BRACED WALL PANEL. (CS16 STRAPPING MAY BE SUBSTITUTED w/ SIMILAR LENGTH AND NAILING PATTERN.) USE HTT4 FOR ATTACHMENT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

**WALL BRACING: RECTANGLE 1**

SIDE	REQUIRED LENGTH	PROVIDED LENGTH
FRONT	6.0 FT.	10.0 FT.
RIGHT	6.0 FT.	12.0 FT.
REAR	6.0 FT.	12.0 FT.
LEFT	6.0 FT.	14.6 FT.



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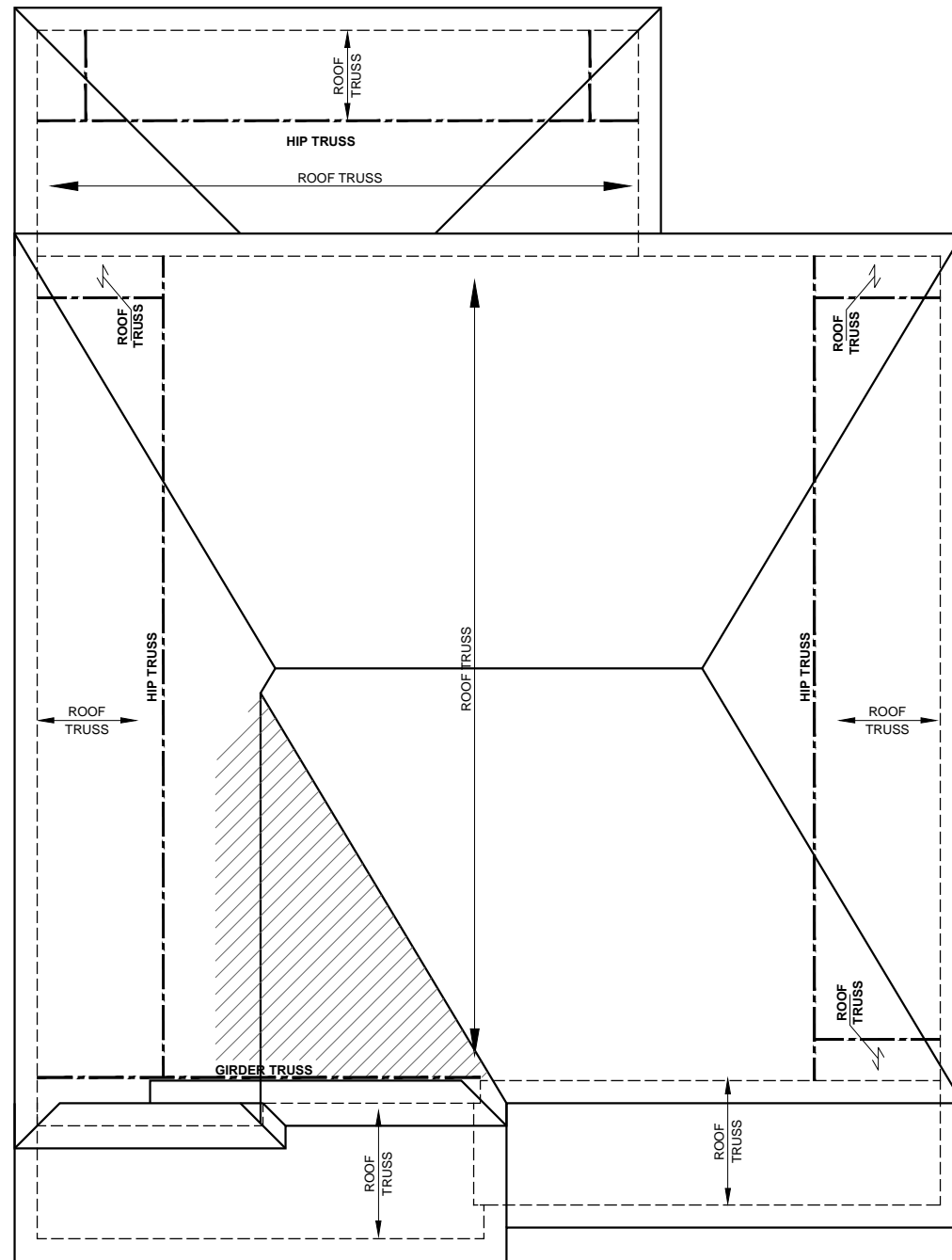
PLAN:  
**240.2596**

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**

- 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.

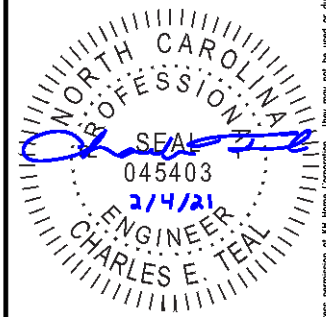
**TRUSS UPLIFT CONNECTORS: EXPOSURE B, 115 MPH, ANY PITCH, 24" O.C. MAX ROOF TRUSS SPACING**

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



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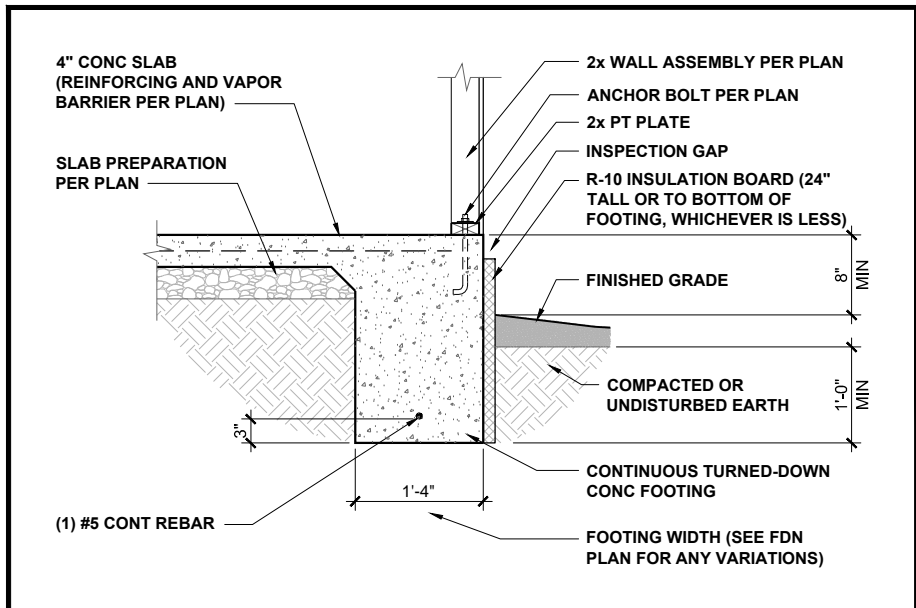


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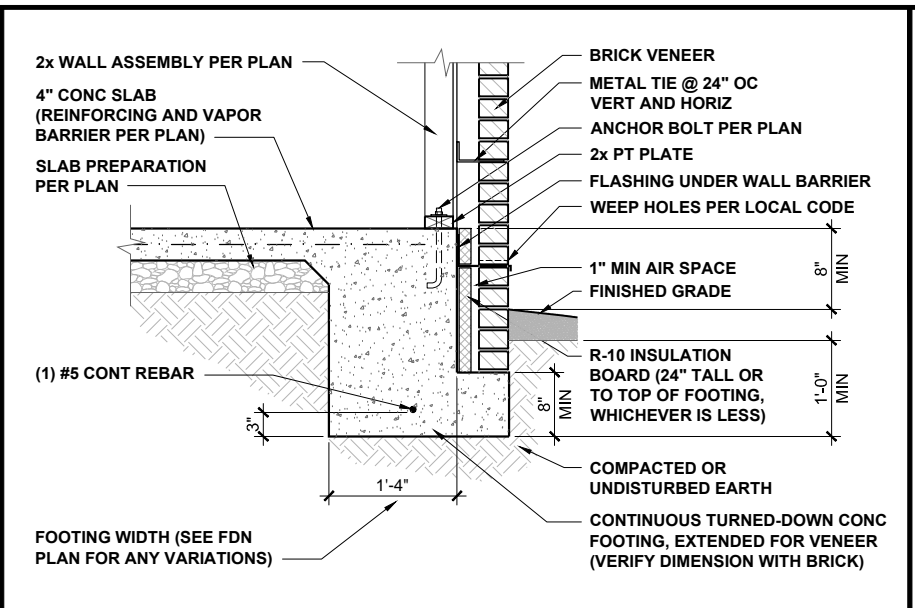
PLAN:  
**240.2596**

ROOF FRAMING PLAN  
**S7.0D**

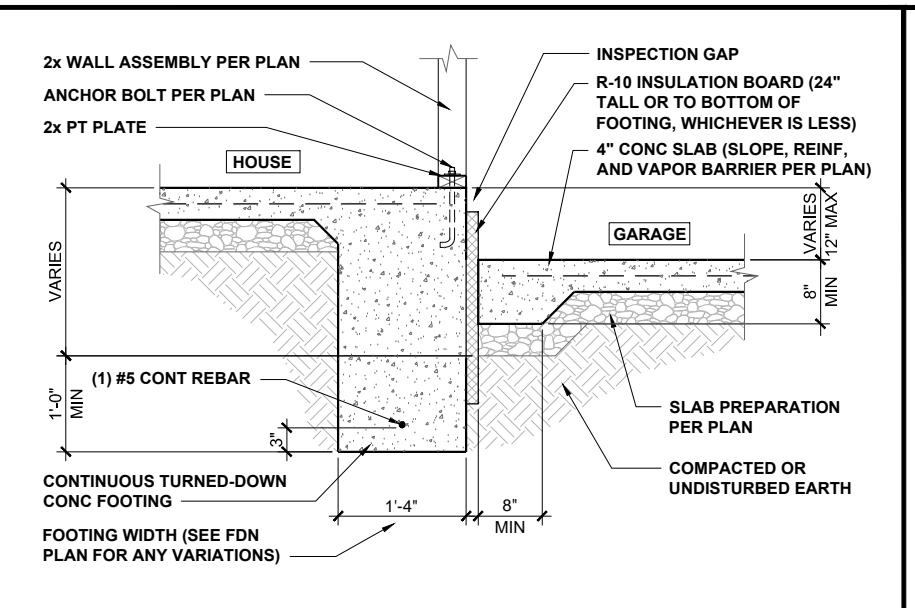
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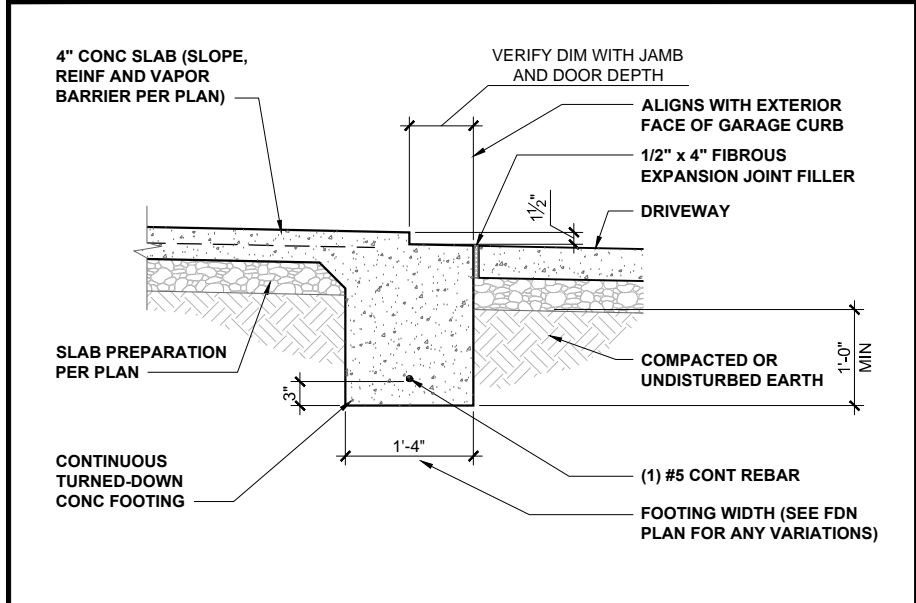
**TURNED-DOWN CONC SLAB FOOTING** 1/2" = 1'-0" **1**



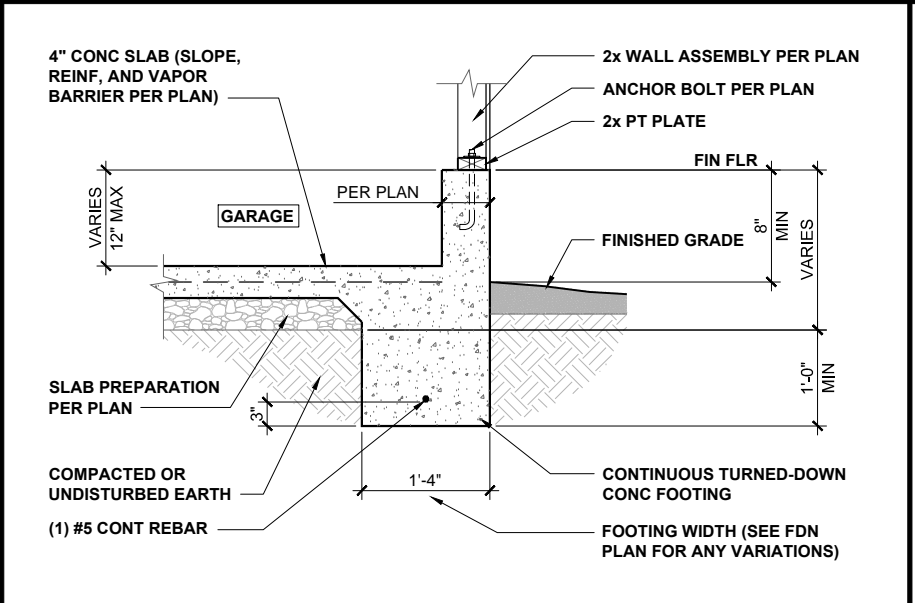
**TURNED-DOWN FOOTING w/ BRICK** 1/2" = 1'-0" **2**



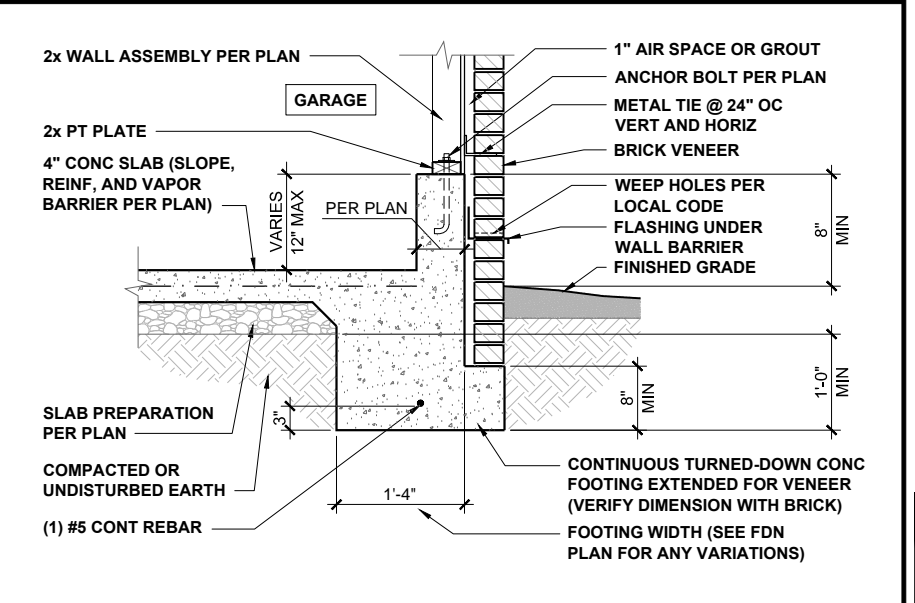
**HOUSE / GARAGE FOOTING** 1/2" = 1'-0" **3**



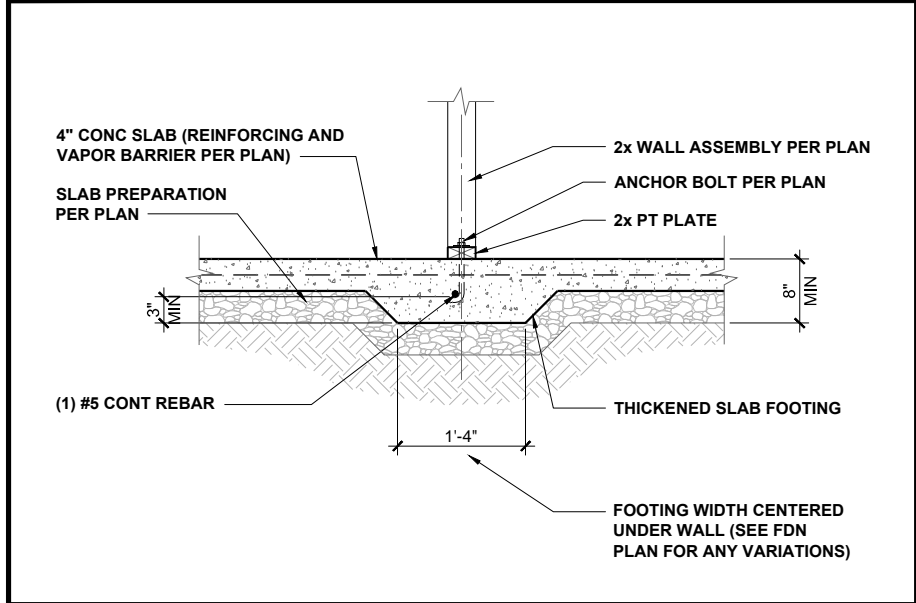
**GARAGE DOORWAY FOOTING** 1/2" = 1'-0" **4**



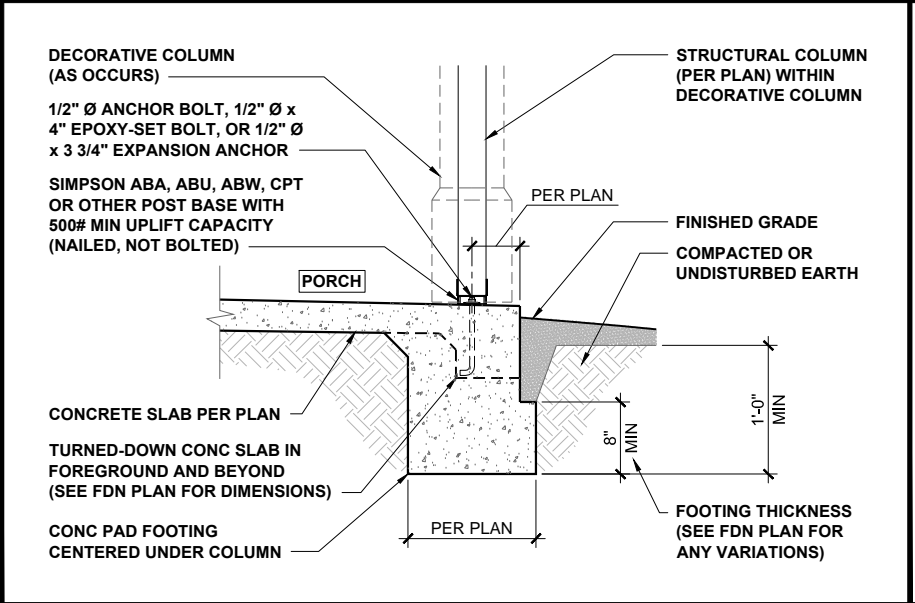
**GARAGE FOUNDATION** 1/2" = 1'-0" **5**



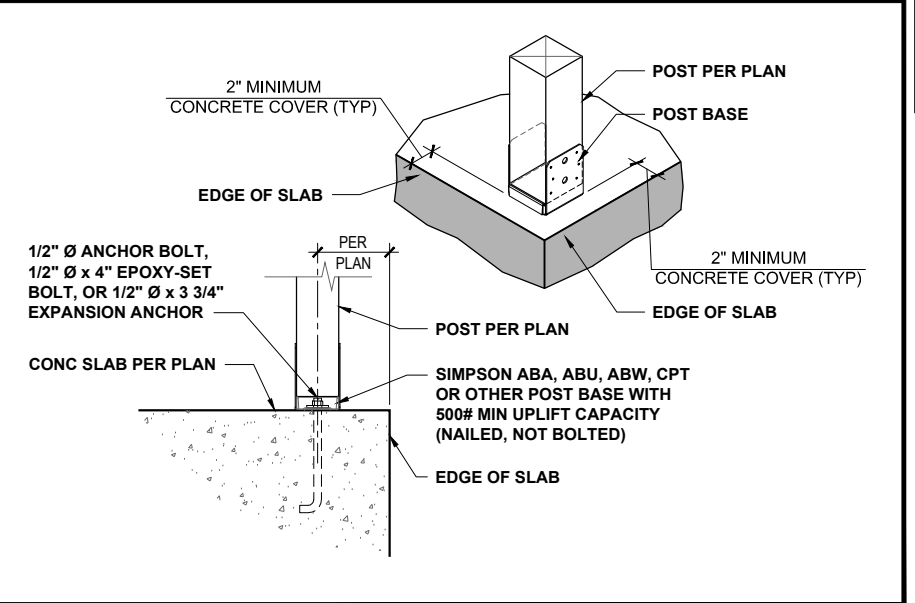
**GARAGE FOUNDATION WITH BRICK** 1/2" = 1'-0" **6**



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



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



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



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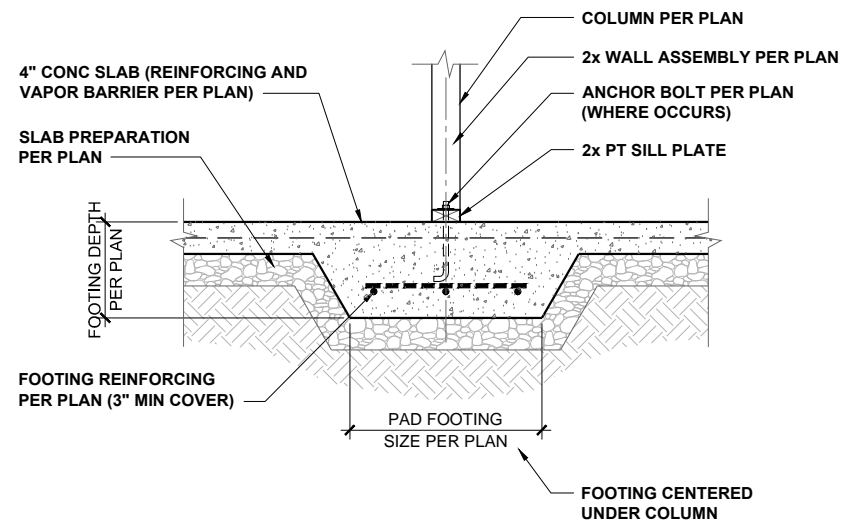
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DATE: 02/04/2021

PLAN: 240.2596

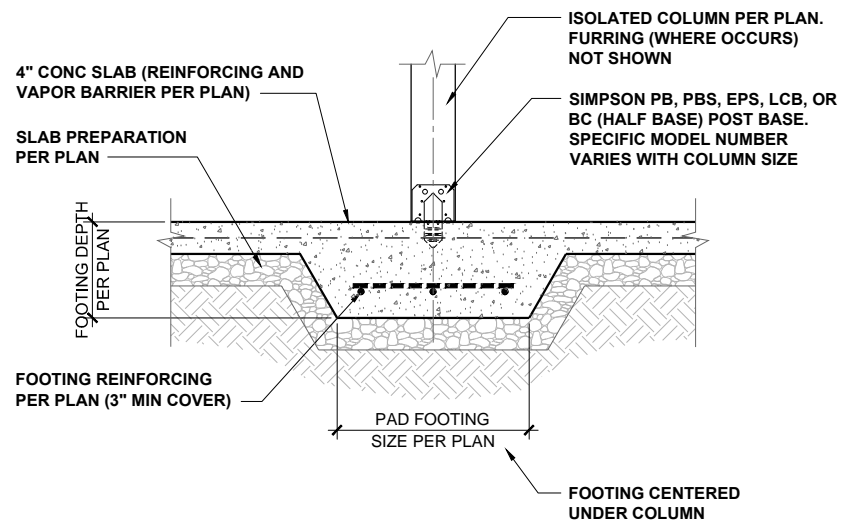
TURNED-DOWN SLAB  
FOUNDATION DETAILS

**D1.0**

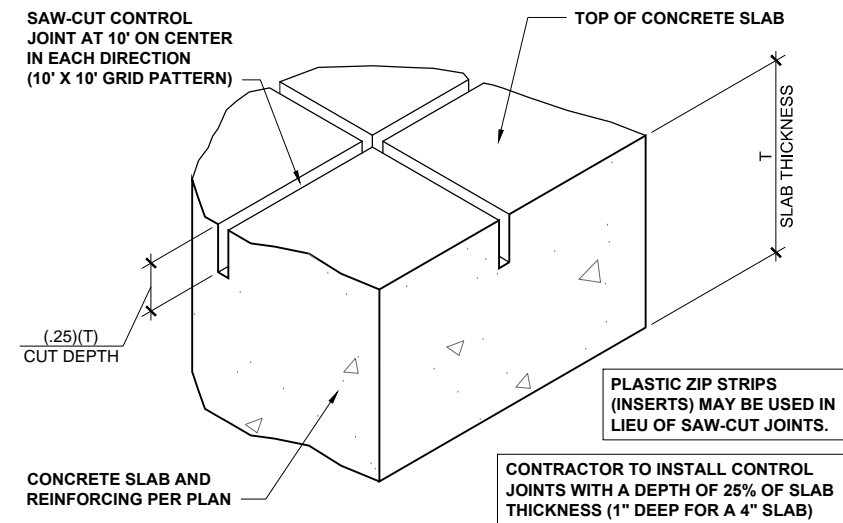
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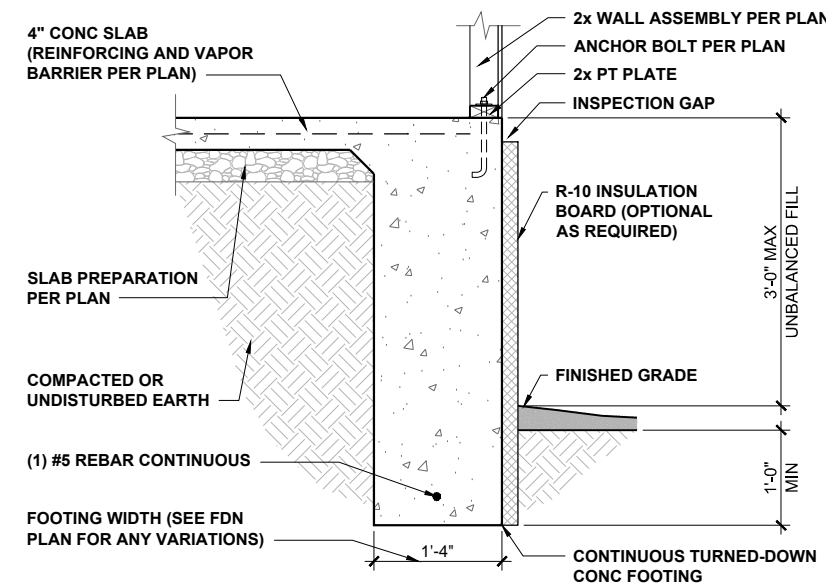
**INT POINT-LOAD FOOTING SECTION** 1/2" = 1'-0" **1**



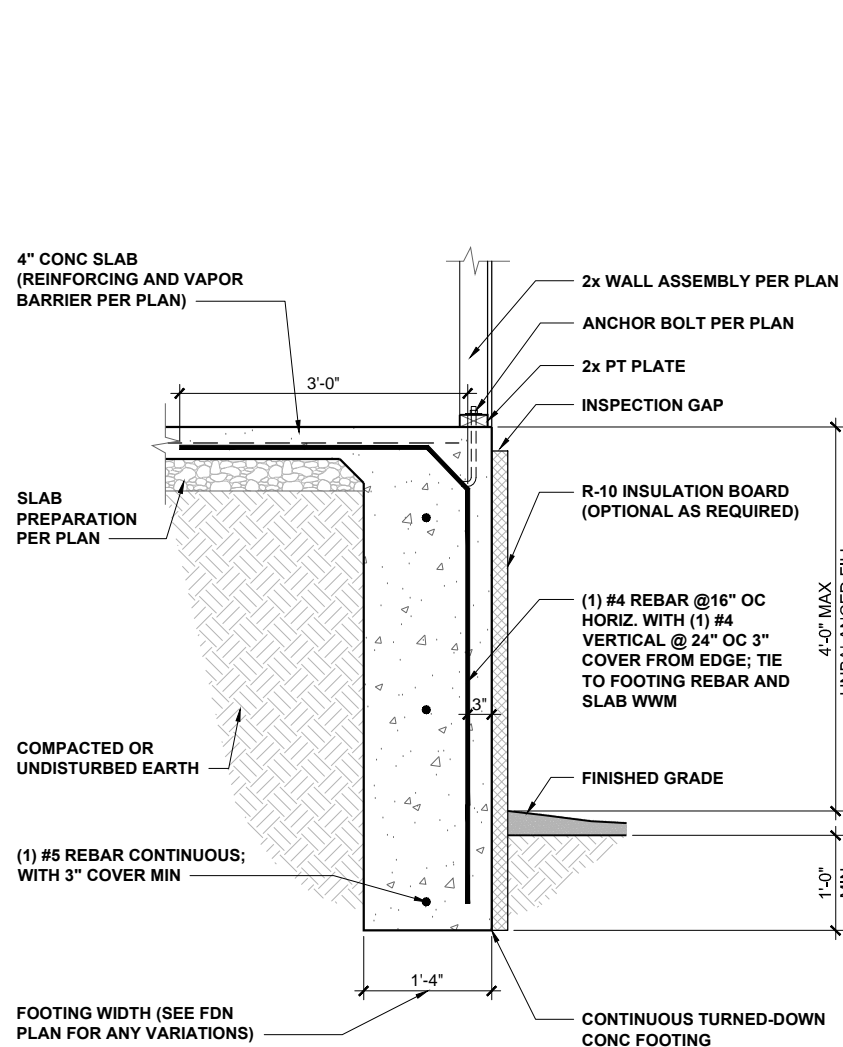
**ISOLATED COLUMN FOOTING** 1/2" = 1'-0" **2**



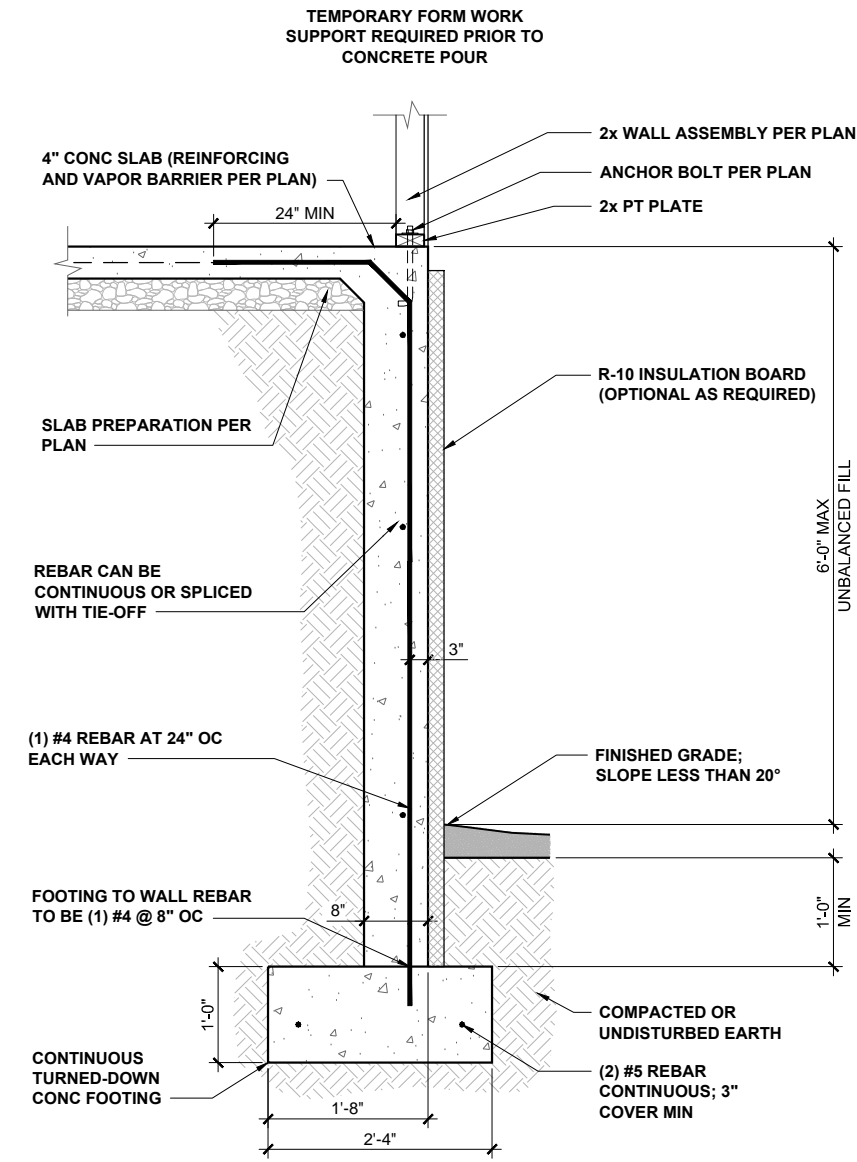
**CONCRETE SLAB CONTROL JOINTS** 3" = 1'-0" **3**



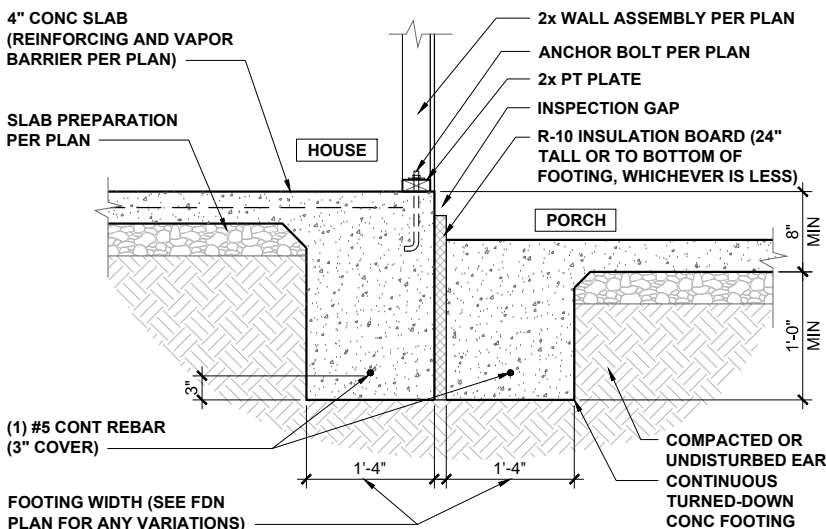
**3' EXTENDED TURNED DOWN FOOTING** 1/2" = 1'-0" **4**



**4' EXTENDED RETAINED FOOTING** 1/2" = 1'-0" **6**



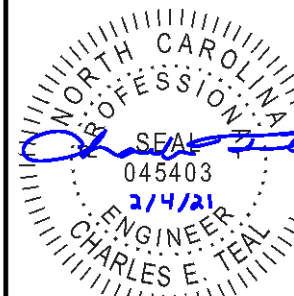
**6' EXTENDED REINFORCED FOOTING** 1/2" = 1'-0" **7**



**FOOTING AT HOUSE/PORCH** 1/2" = 1'-0" **5**



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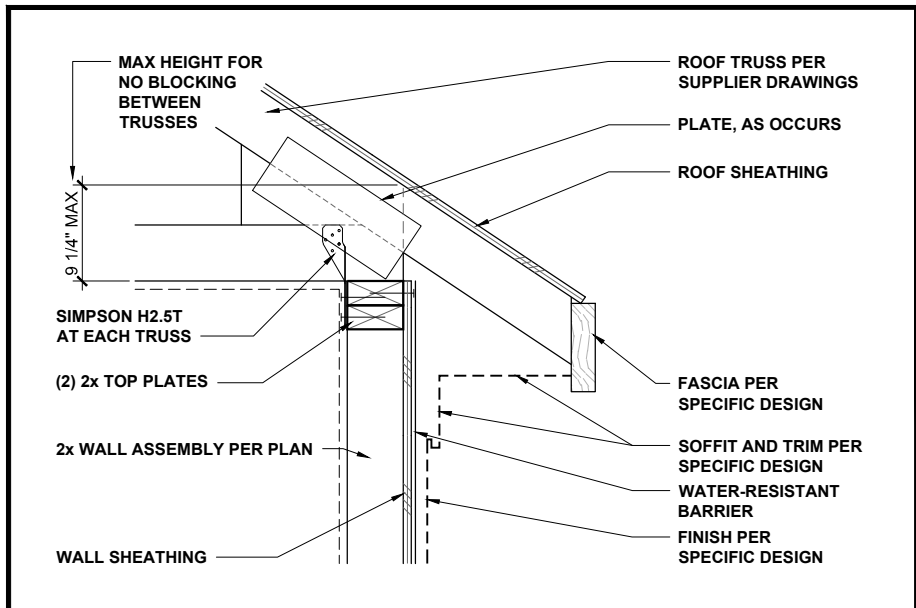
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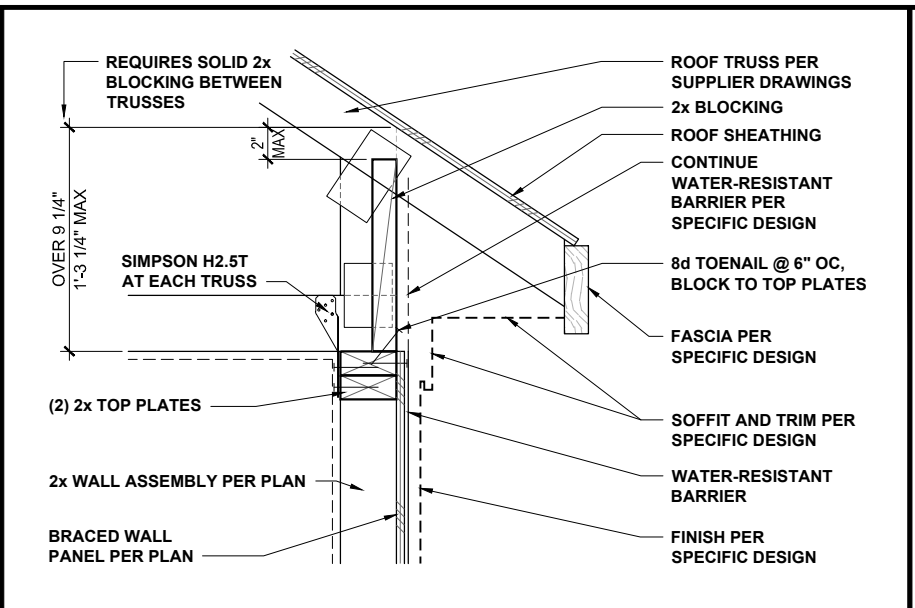
TURNED-DOWN SLAB  
FOUNDATION DETAILS

**D2.0**

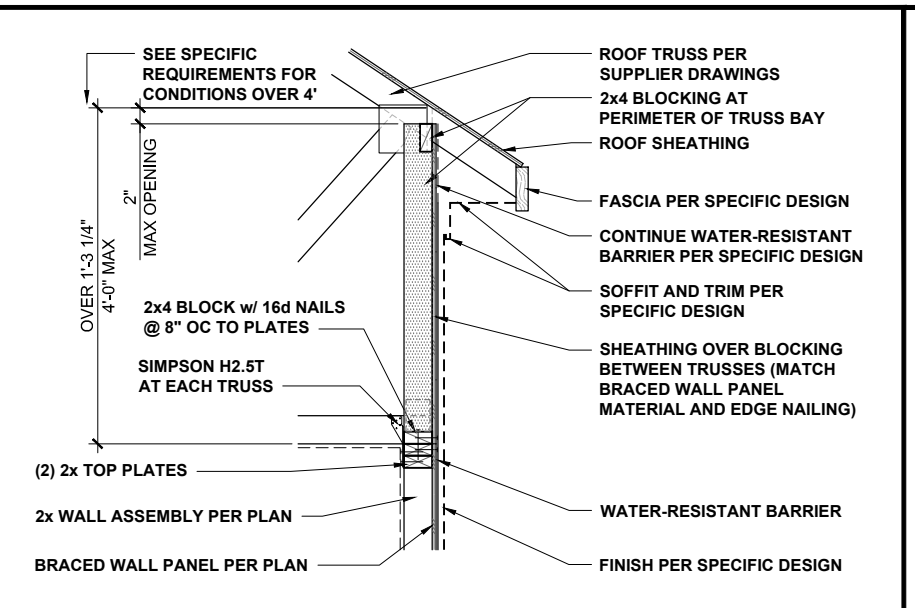
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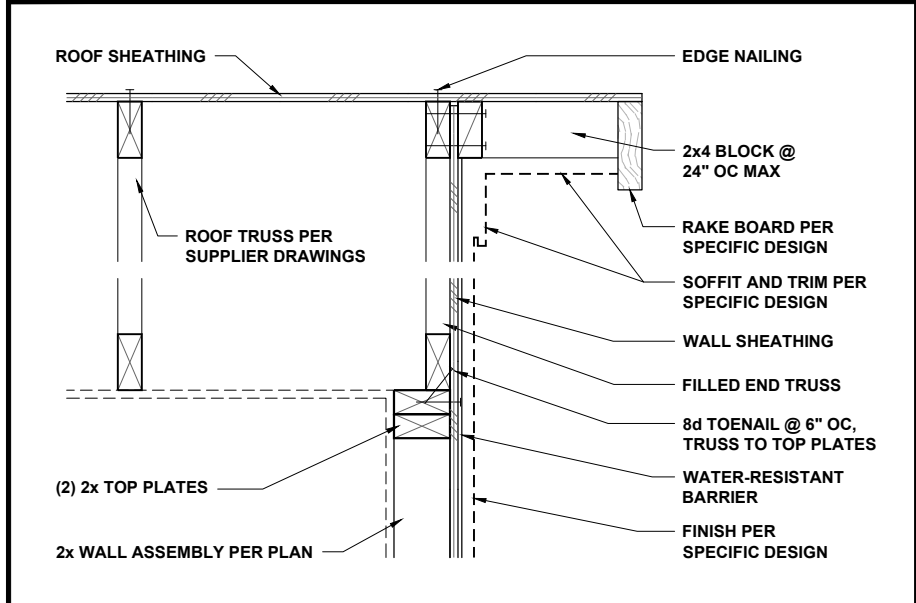
**LOW-HEEL TRUSS AT WALL** 1" = 1'-0" **1**



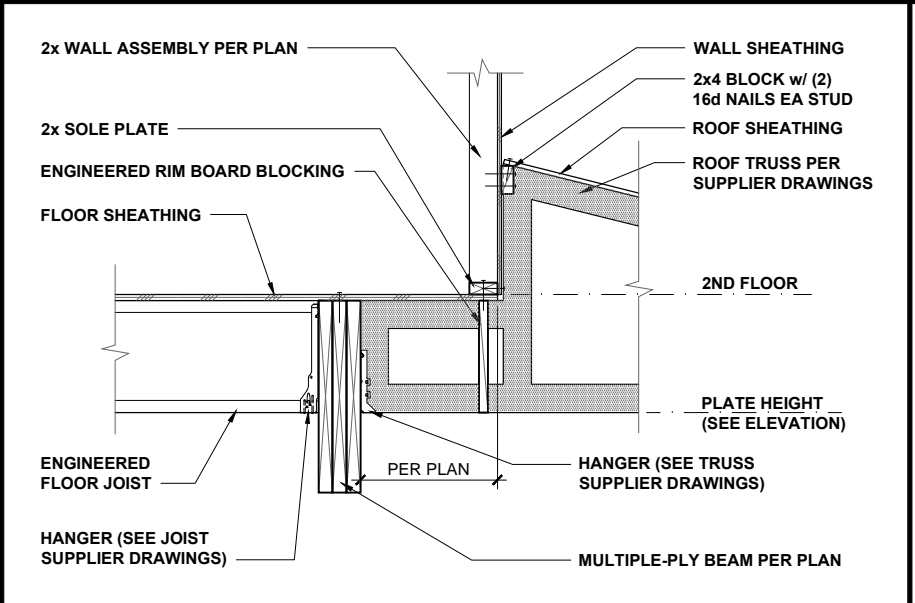
**TYPICAL TRUSS AT BRACED WALL** 1" = 1'-0" **2**



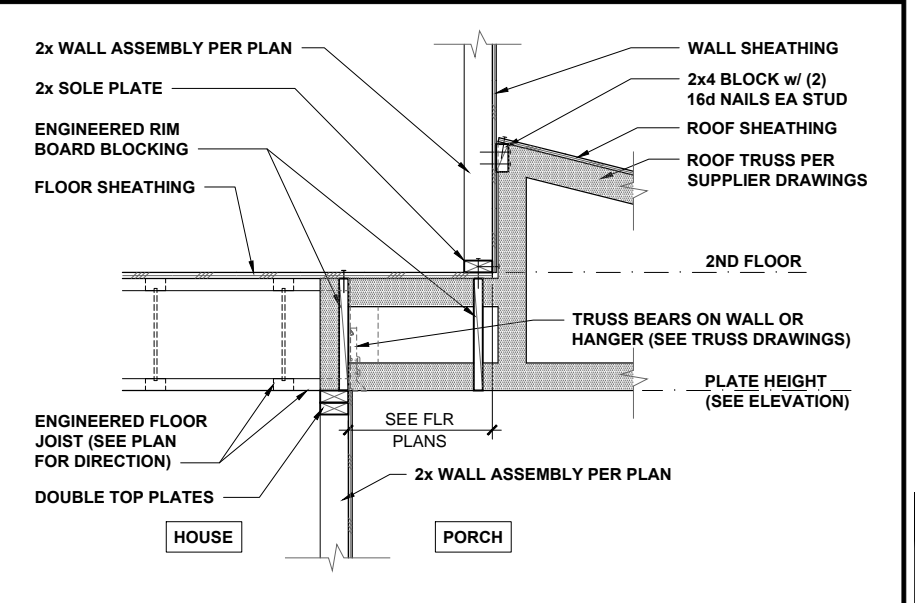
**HIGH-HEEL TRUSS AT BRACED WALL** 1/2" = 1'-0" **3**



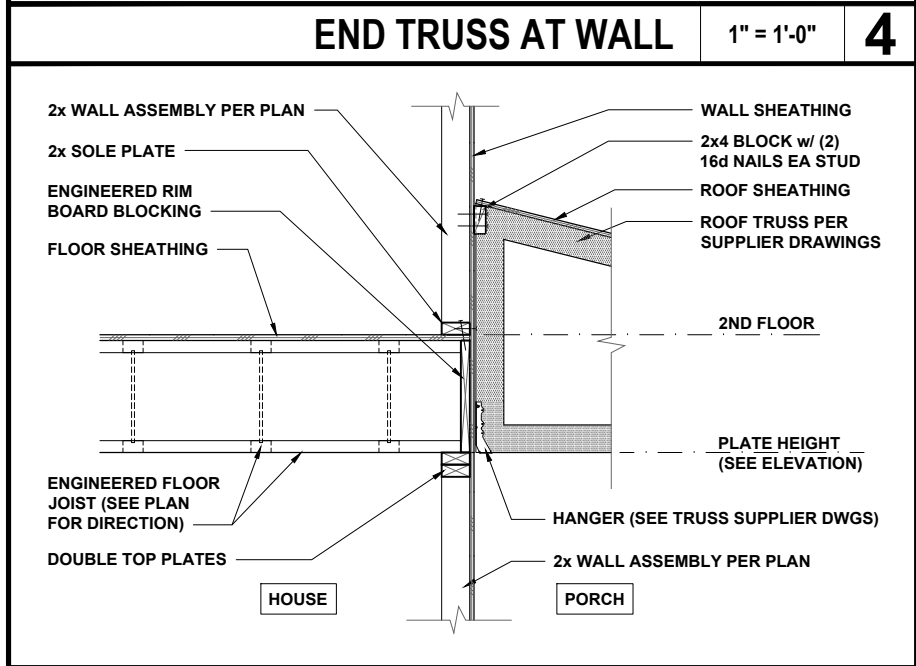
**END TRUSS AT WALL** 1" = 1'-0" **4**



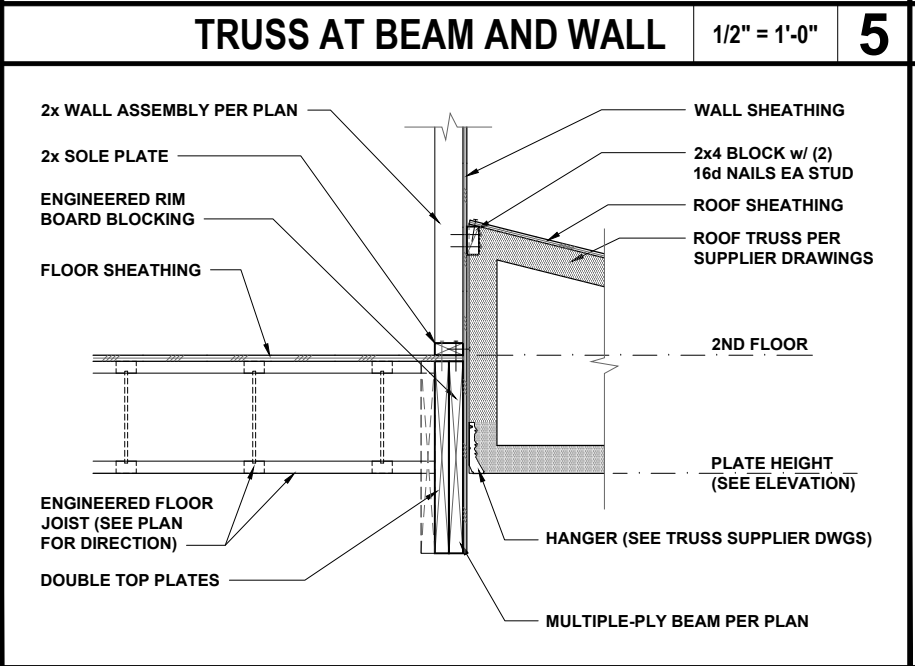
**TRUSS AT BEAM AND WALL** 1/2" = 1'-0" **5**



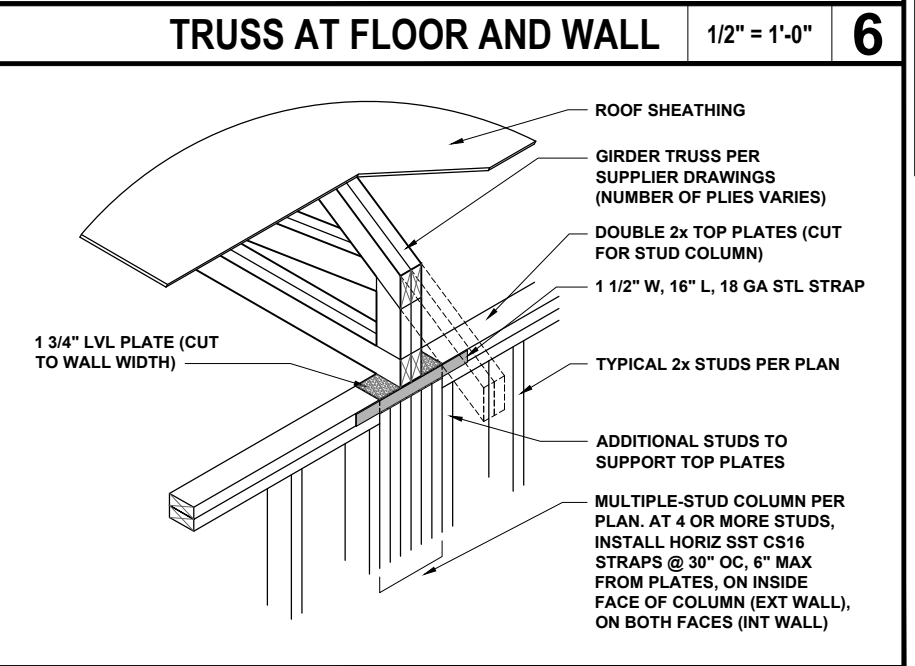
**TRUSS AT FLOOR AND WALL** 1/2" = 1'-0" **6**



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



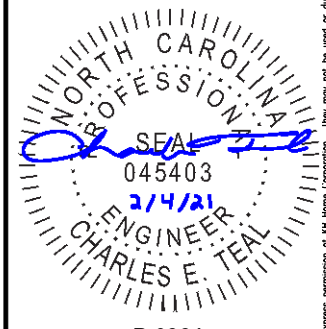
**TRUSS AT BEAM AND WALL** 1/2" = 1'-0" **8**



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



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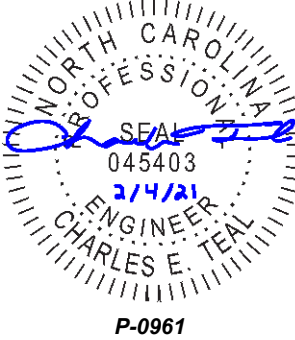
ROOF TRUSS  
FRAMING DETAILS

**D3.0**

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P-0961

JDSfaulkner, 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.

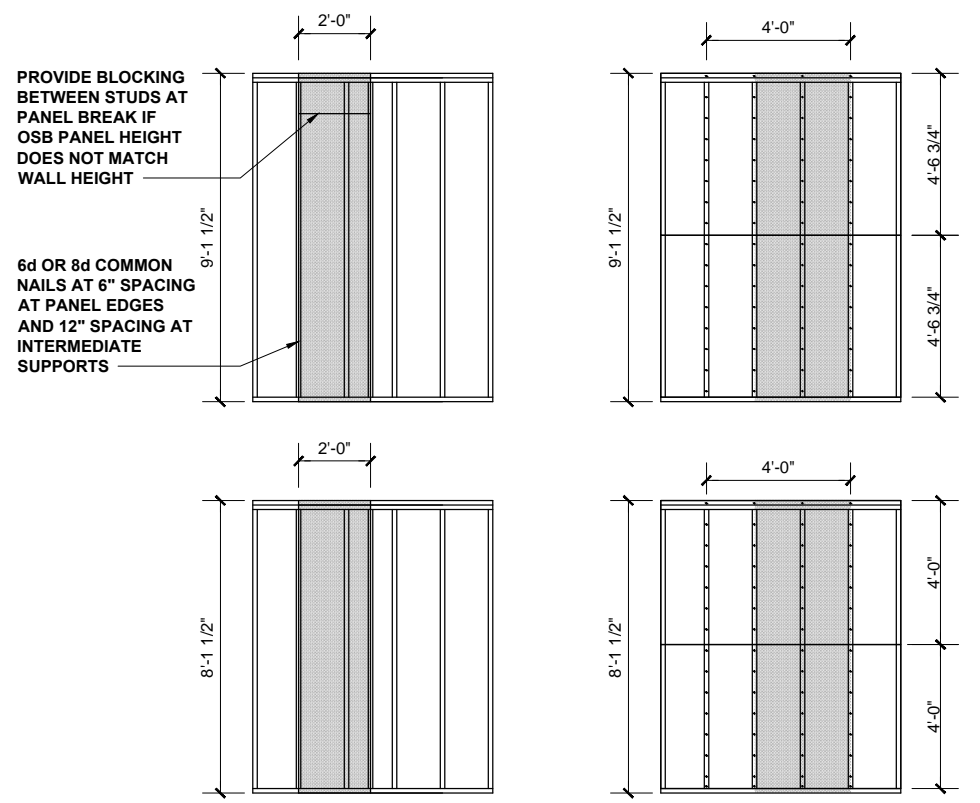
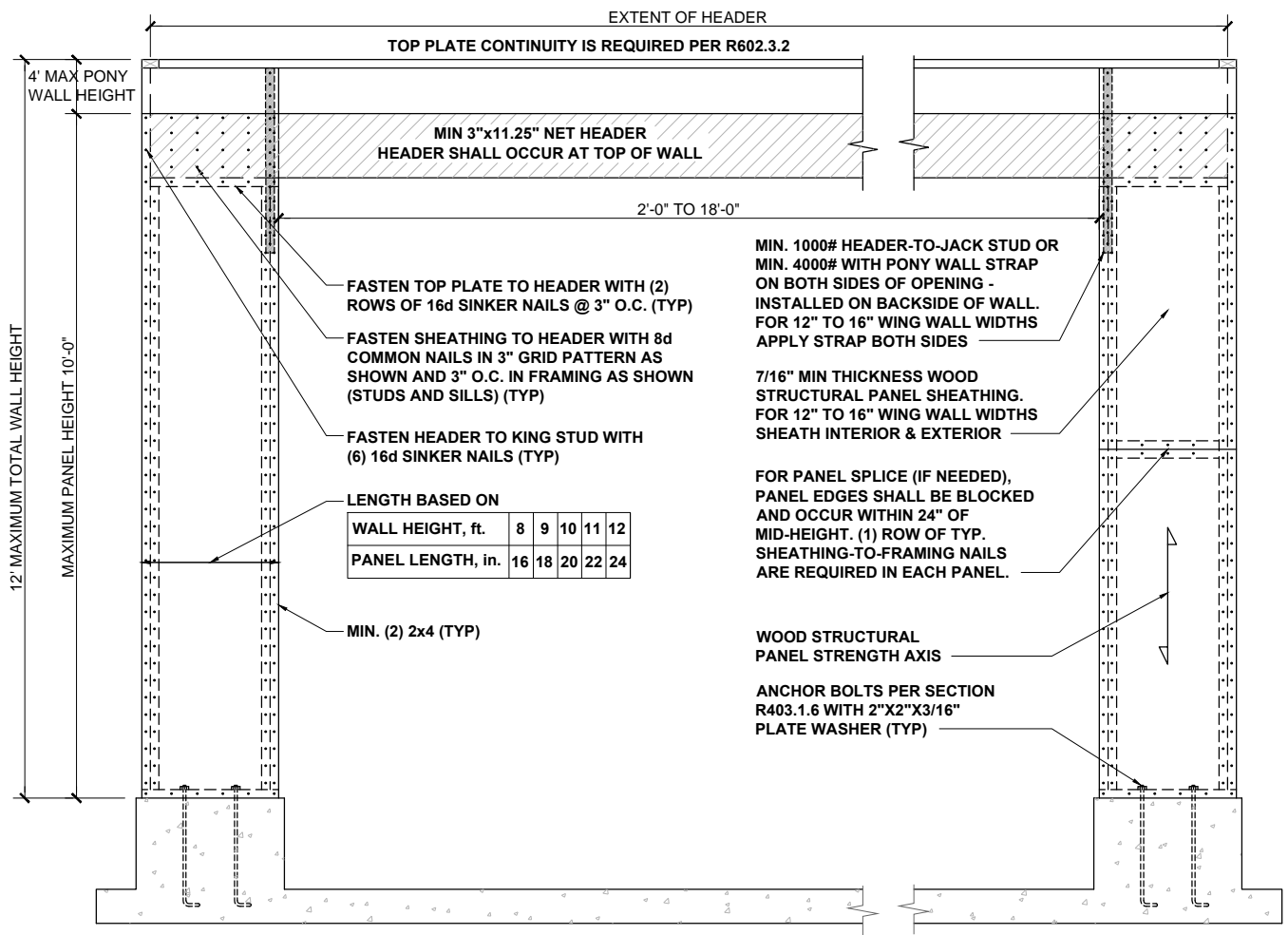
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PROJECT NO.: 21900095  
DATE: 02/04/2021

PLAN:  
**240.2596**

WALL BRACING DETAILS

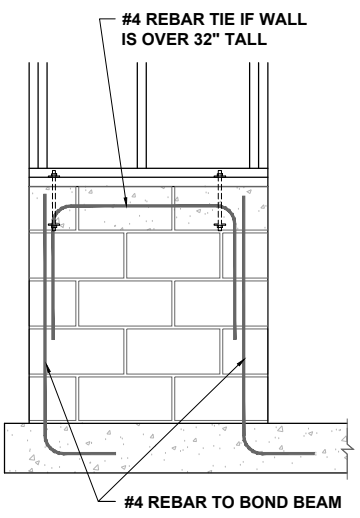
**D4.0**

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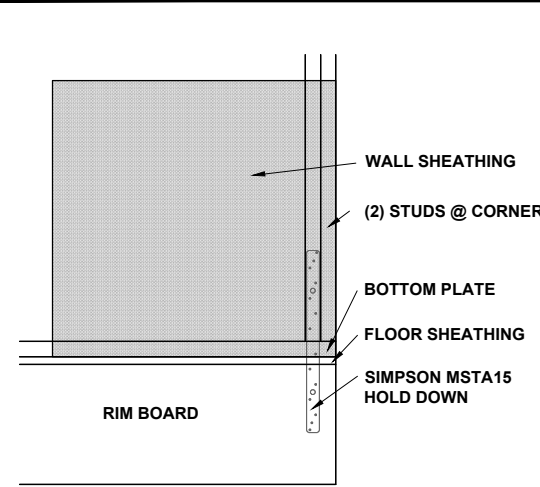
**HIGH-SPEED WIND ZONES**

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

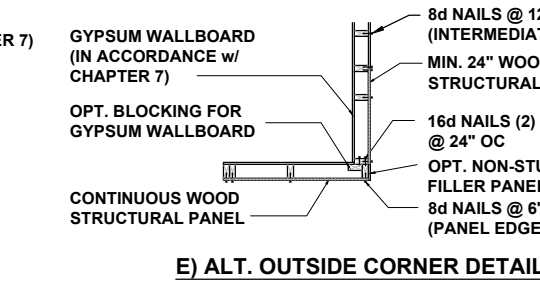
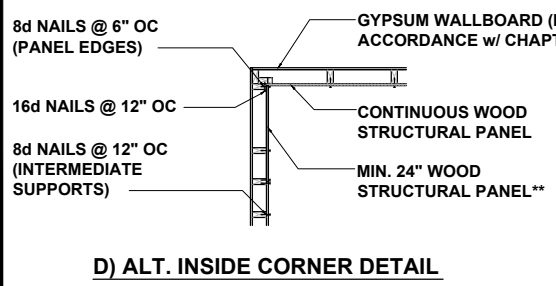
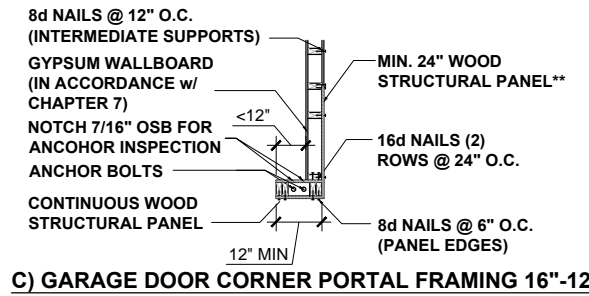
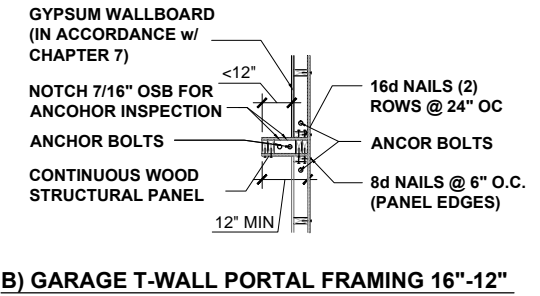
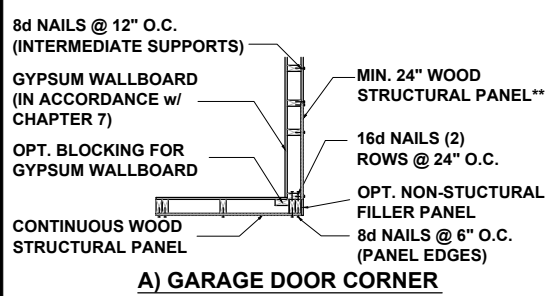


**GARAGE WING WALL AT CRAWL**  
SEE R602.10 - MASONRY STEM WALL SUPPORTING BRACED WALL PANELS FIGURES

**METHOD PF: PORTAL FRAME PANEL CONSTRUCTION** 3/8" = 1'-0" **1**



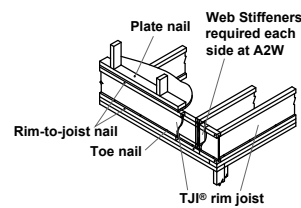
SIMPSON MSTA15 HOLD DOWN CAPACITY OF 970 POUNDS PER ANCHOR WITH (12) 10d NAILS. STRAP TO BE LOCATED AT EDGE OF BRACED WALL PANEL.



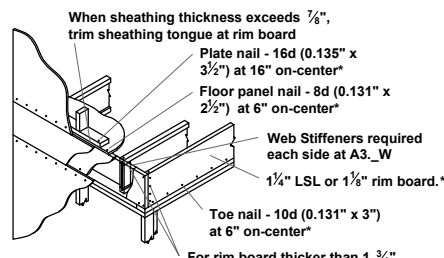
**BRACED WALL HOLD-DOWN** NTS **3**

**CORNER FRAMING FOR CONTINUOUS SHEATHING** 1/4" = 1'-0" **4**

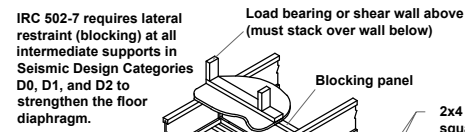
# JOIST DETAILS



**A2 | A2W** Must have 1 3/4" minimum joist bearing at ends. Attach rim joist per A3 detail.

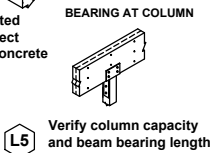
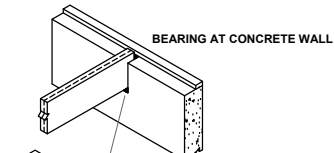
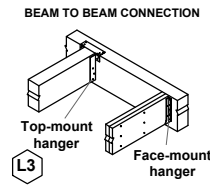
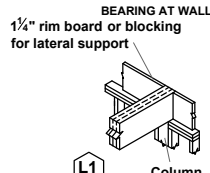


**A3** For rim board thicker than 1 3/4" - Attach Joist to rim board with one 10d (0.128"x3") nail. Top nail from joist into rim board. - Connect corner with four 10d (0.128"x3") nails. Toe nail from side of parallel closure into rim board

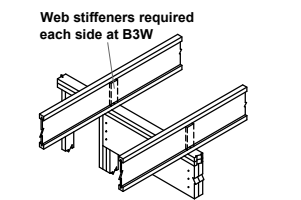


**B1 | B1W** Load bearing or shear wall above (must stack over wall below) Web stiffeners required each side at B1W and B2W Blocking panels may be required with shear walls above or below - see detail B1

# BEAM and COLUMN DETAILS

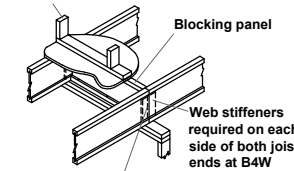


## INTERMEDIATE BEARING NO LOAD BEARING WALL ABOVE

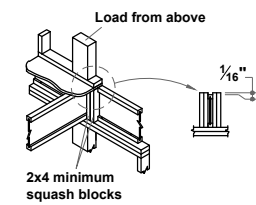


**B3 | B3W** Blocking panels may be required with shear walls above or below (See detail B1)

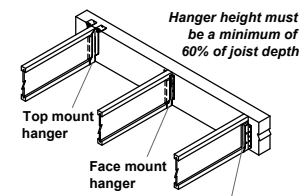
## Load bearing or shear wall above (must stack over wall below when present)



**B4 | B4W** End of joists at centerline of support



**CS** Use 2x4 minimum squash blocks to transfer load around joist



**H1** Web stiffeners required if sides of hanger do not laterally support at least 3/8" of joist top flange

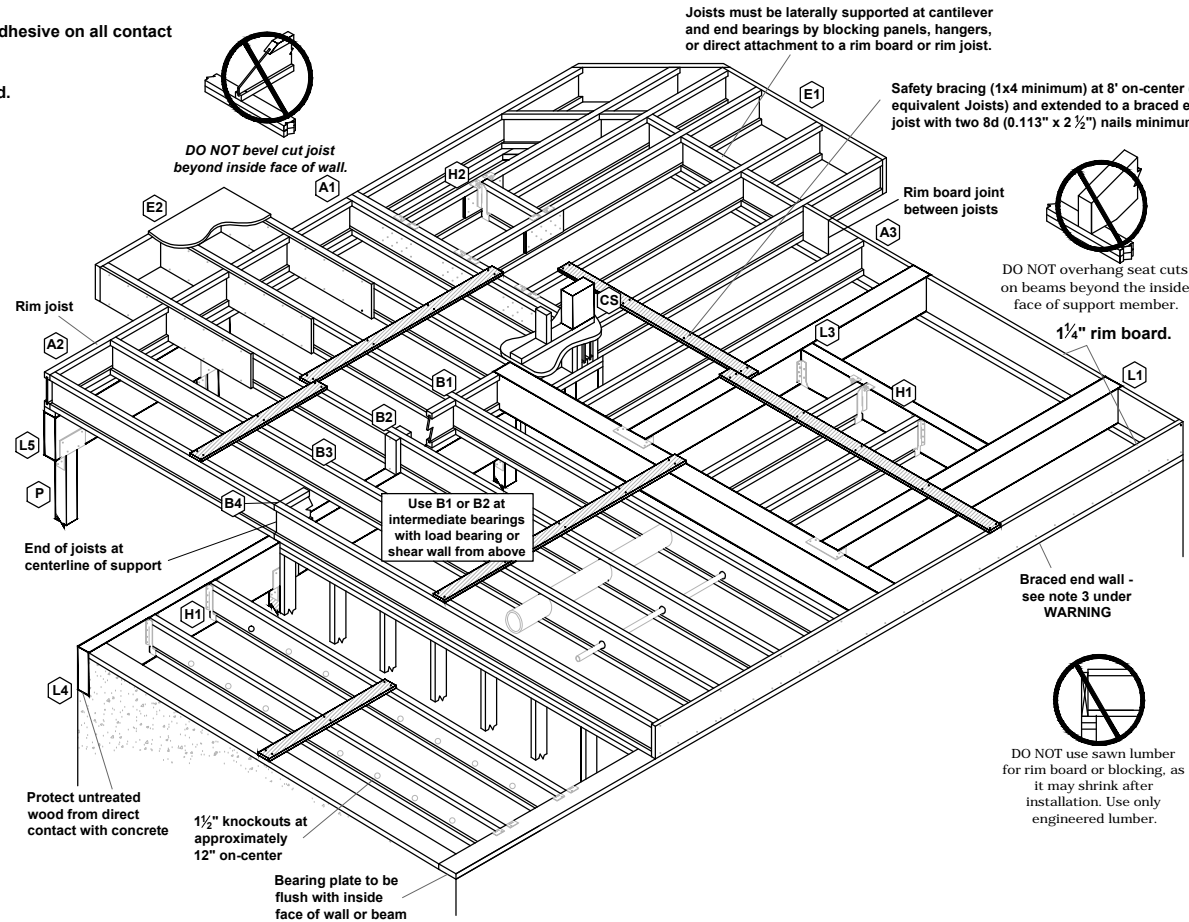
## FASTENING of FLOOR PANELS

Guidelines for Closest On-Center Spacing per Row

Nail Size	I-JOIST *		Rim Board	1 1/2" LSL or wider	LVL	PSL
	110, 210, and 230 EQ.	360 and 560 EQ.	1 1/4" LSL			
8d (0.131" x 2 1/2")	4"	3"	4"	3"	3"	3"
10d (0.148" x 3"), 12d (0.148" x 3 1/4")	4"	4"	4"	4"	4"	4"
16d (0.162" x 3 1/2")	6"	6"	6" (2)	6" (2)	8"	6"

- (1) One row of fasteners permitted (two at abutting panel edges) for diaphragms. Stagger nails when using 4" on-center spacing and maintain 3/8" joist and panel edge distance. For other applications, multiple rows of fasteners are permitted if the rows are offset at least 1/2" and staggered.
- (2) Can be reduced to 4" on-center if nail penetration into the narrow edge is no more than 1 3/8" (to avoid splitting).
- Recommended nailing is 12" on-center in field and 6" on-center along panel edge. Fastening requirements on engineered drawings supersede recommendations listed above.

- Recommended use of a non-polyurethane subfloor adhesive on all contact points between panels and floor framing.
- Nailing rows must be offset at least 1/2" and staggered.
- 14 ga. staples may be substituted for 8d (0.113" x 2 1/2") nails if minimum penetration of 1" into the joist or rim board is achieved.
- Maximum spacing of nails is 18" on-center for joists.



## FILLER and BACKER BLOCK SIZES \* SEE I-JOIST EQUIVALENCE CHART

I-Joists	110 EQ. *	210 EQ. *	230 or 360 EQ. *	560 EQ. *
Depth	9 1/2" or 11 1/4" or 14"	9 1/2" or 11 1/4" or 14" or 16"	9 1/2" or 11 1/4" or 14" or 16" or 18" or 20"	11 1/8" 14" or 18" or 20"
Filler Block (1) (Detail H2)	2x6 2x8	2x6 + 3/8" sheathing 2x8 + 3/8" sheathing	2x6 + 1/2" sheathing 2x8 + 1/2" sheathing 2x12 + 1/2" sheathing	Two 2x6 Two 2x8 Two 2x12
Cantilever Filler (Detail E4)	2x6 4'-0" long	2x6 + 3/8" sheathing 2x10 + 3/8" sheathing 4'-0" long	2x6 + 1/2" sheathing 2x10 + 1/2" sheathing 4'-0" long	Not applicable
Backer Block (1) (Detail F1 or H2)	5/8" or 3/4"	3/4" or 7/8"	1" Net	2x6 2x8 2x12

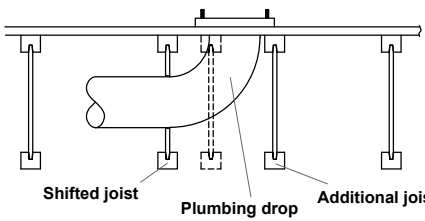
(1) If necessary, increase filler and backer block height for face mount hangers and maintain 1/8" gap at top of joist; see detail W. Filler and backer block lengths should accommodate required nailing without splitting (12" minimum for backer blocks and 24" minimum for filler blocks).

Joists must be laterally supported at cantilever and end bearings by blocking panels, hangers, or direct attachment to a rim board or rim joist.

Safety bracing (1x4 minimum) at 8' on-center (6' on-center for 110 or equivalent Joists) and extended to a braced end wall. Fasten at each joist with two 8d (0.113" x 2 1/2") nails minimum (see WARNING).

# INSTALLATION TIPS

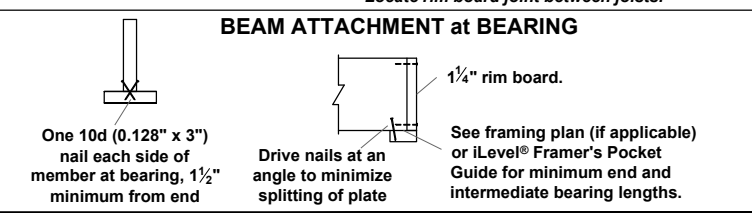
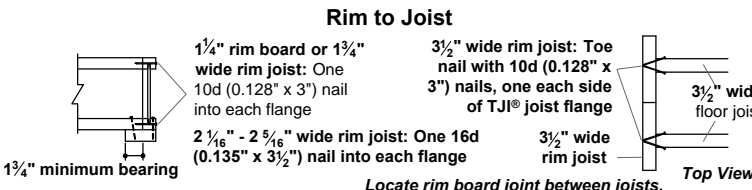
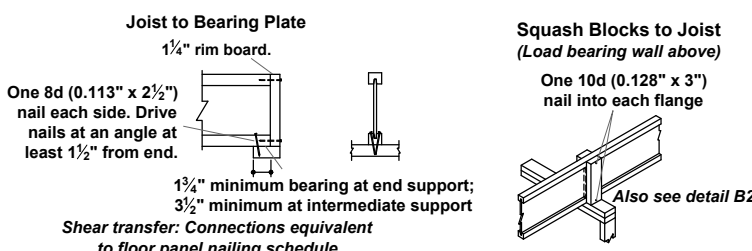
- Subfloor adhesive will improve floor performance, but may not be required.
- Squash blocks and blocking panels carry stacked vertical loads (details B1 and B2). Packing out the web of a joist (with web stiffeners) is not a substitute for squash blocks or blocking panels.
- When joists are doubled at non-load bearing parallel partitions, space joists apart the width of the wall for plumbing or HVAC.
- Additional joist at plumbing drop (see detail).



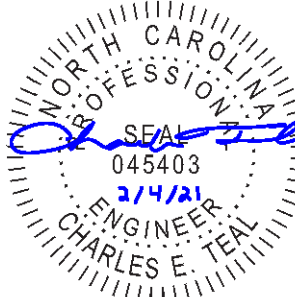
## \* I-JOIST EQUIVALENCY CHART

Depth	EQUIVALENT IN SPAN AND SPACING		
	Mfrt & Series	Mfrt & Series	Mfrt & Series
9 1/4"	TJI - 110	BCI 4500	
	TJI - 210	BCI 5000	EverEdge 20
	TJI - 230	BCI 6000	EverEdge 20
11 1/8"	TJI - 110	BCI 4500	
	TJI - 210	BCI 5000	EverEdge 20
	TJI - 230	BCI 6000	EverEdge 20
14"	TJI - 360	BCI 6500	EverEdge 30
	TJI - 560	BCI 90'S	EverEdge 50/60
	TJI - 110	BCI 4500	
	TJI - 210	BCI 5000	EverEdge 20
	TJI - 230	BCI 6000	EverEdge 20
	TJI - 360	BCI 60'S	EverEdge 30
16"	TJI - 560	BCI 90'S	EverEdge 50/60
	TJI - 110	BCI 4500	
	TJI - 210	BCI 5000	EverEdge 20
	TJI - 230	BCI 6000	EverEdge 20
	TJI - 360	BCI 6500	EverEdge 30
	TJI - 560	BCI 90'S	EverEdge 50/60

## JOIST NAILING REQUIREMENTS at BEARING



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DATE: 02/04/2021

PLAN: 240.2596

ENGINEERED JOIST DETAILS  
**D5.0**

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