

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

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

07/23/2020



NORTH CAROLINA 40' SERIES PLAN 240.2596-R

LOT 11 - MASON POINTE -
ELEVATION B

SHEET INDEX

PLAN #240.2596-R

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AD8 ARCHITECTURAL DETAILS



**NORTH CAROLINA
40' SERIES**

KB HOME
NORTH CAROLINA DIVISION

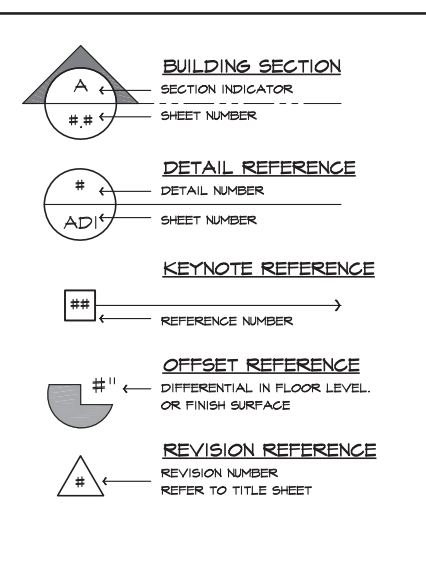
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**2018 NORTH
CAROLINA STATE
BUILDING
CODES**

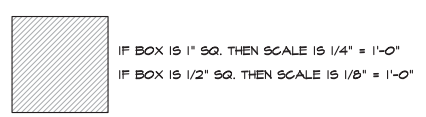
ABBREVIATIONS

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

ARCH. SYMBOLS



SCALE NOTE



CONSULTANTS

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SQUARE FOOTAGE

PLAN 240.2596-R

FIRST FLOOR AREA	1156	SQ. FT.
SECOND FLOOR AREA	1415	SQ. FT.
TOTAL AREA	2571	SQ. FT.
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.5, 1.1 - 1.5, 2.1, 2.3, 2.4, 2.5, 3.A1 - 3.D6, 4.1 - 5.4	NC18024NCP
2	09/15/19	T.5, 6.N1, 6.N2, 6.N3, 1.2, 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	1.1, 2.1, 3.A1, 3.B2, 3.C2, 3.D2, 5.1	NC19017NCP
4	05/07/19	T.5, 1.1-1.5, 3.A1-3.A5, 3.B1, 3.B3, 3.B4, 3.B6, 3.B7, 3.C1-3.C6, 3.D1-3.D6 4.1, 4.2, 5.1, 5.2, 5.4, 7.5, 7.6	NC19033NCP
6	03/04/20	T.5, 1.1, 1.3, 1.4, 3.A1, 3.A3-6, 3.B2-8, 5.3, 8.3, 8.4	NC20017NCP
7	05/07/20	T.5, 1.1, 1.3, 1.4	NC20023NCP

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 NC19053NCP/ 03/15/19 / CTD
- 3 DIVISION REVISION NC19017NCP - 04/01/19 CTD
- 4 FRAMEWALK REVISIONS NC19033NCP - 05/07/19 - CTD
- 5 DIVISION REVISIONS NC20012NCP - 01/23/20 - KBA
- 6 DIVISION REVISIONS NC20017NCP - 03/04/20 - KBA
- 7 DIVISION REVISIONS NC20023NCP - 05/07/20 - KBA

PLAN:
240.2596-R

SHEET:
TS

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

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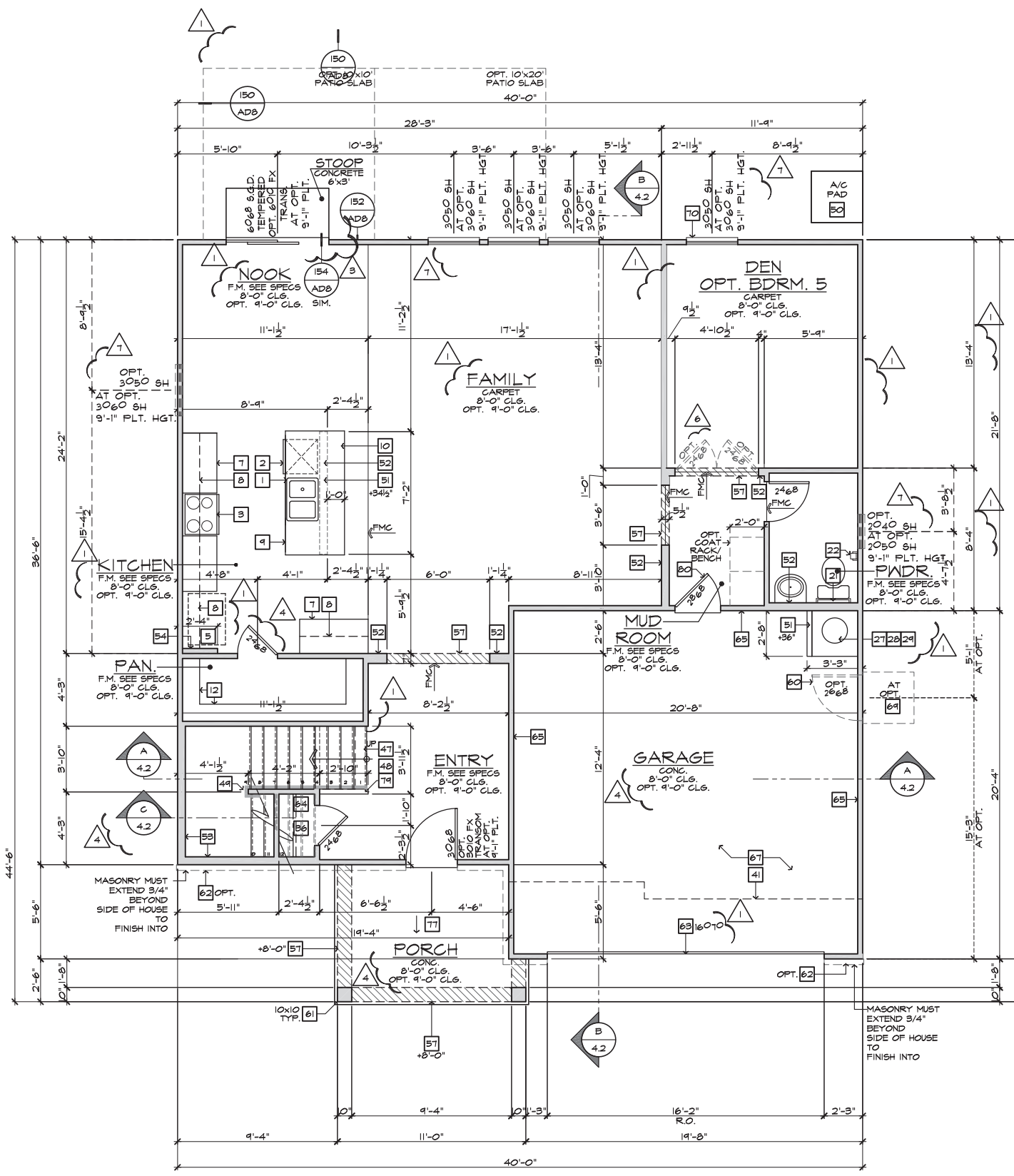
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PROJECT No.: 1350999:56
DIVISION MGR.: MCP
REVISIONS: 05/07/19

- 1 DIVISION REVISIONS NC18024NCF - 08/24/18 - CTD
- 2 2018 CODE UPDATE NC19015NCF - 03/15/19 / CTD
- 3 DIVISION REVISIONS 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

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 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 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. T 3/4" RISER - (REFER TO DETAIL 81-82/AD5)
 48. MIN. 42" HIGH GUARDRAIL (REFER TO DETAIL 86/AD5)
 49. 34" TO 38" HIGH HANDRAIL (REFER TO DETAIL 88/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 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	
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:	8'-0" U.N.O.
TRAY CEILING:	7'-4" DROP U.N.O.
INTERIOR DOOR HEIGHT:	6'-8" U.N.O.
STAIR DATA NOTES	
FIRST FLOOR WITH 8'-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.	

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REVISIONS: 05/07/19

- 1. DIVISION REVISIONS
NC18024NCF - 08/24/18 - CTD
- 2. 2018 CODE UPDATE
NC19015NCF - 03/15/19 / CTD
- 3. DIVISION REVISIONS
NC19017NCF - 04/01/19 CTD
- 4. FRAMEWORK REVISIONS
NC19033NCF - 03/07/19 - CTD
- 5. DIVISION REVISIONS
NC20012NCF - 01/29/20 - KBA

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1.	
2.	
3.	
4.	
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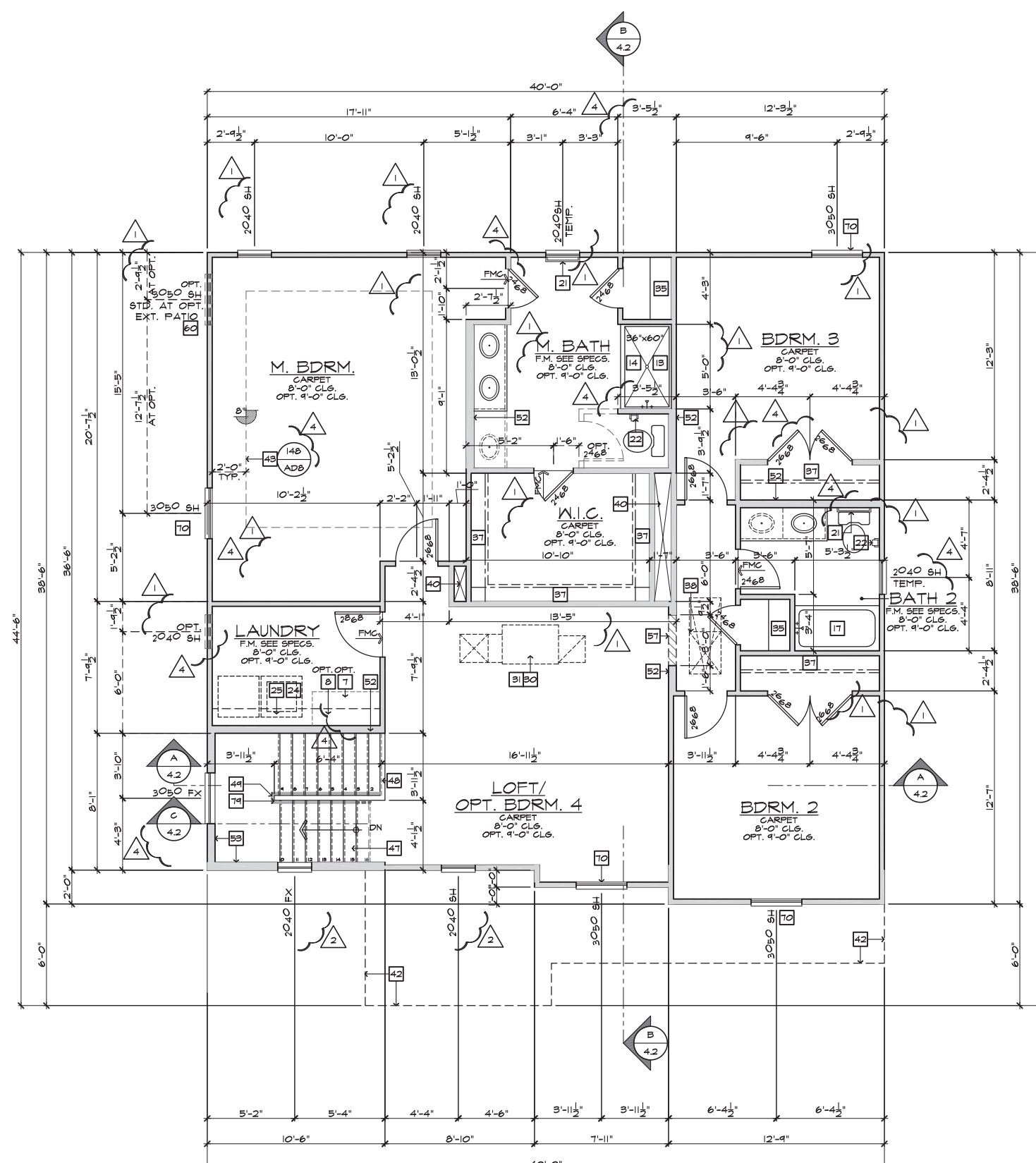
PLAN:
240.2596-R

SHEET:
1.2

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

FLOOR PLAN NOTES

- NOTE: NOT ALL KEY NOTES APPLY.
- SINK - GARBAGE DISPOSAL OPTIONAL - VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS
 - DISHWASHER - PROVIDE AIR GAP - VERIFY SPACING & DIMENSIONS PER MANUFACTURERS' SPECS
 - SLIDE-IN RANGE/OVEN COMBINATION W/ BUILT-IN NON-VENTED HOOD W/LIGHT & FAN - VERIFY WITH MANUFACTURERS' SPECS
 - 30" COOKTOP W/ BUILT-IN VENTED HOOD W/ LIGHT & FAN - VERIFY WITH MANUFACTURERS' SPECS
 - 34" CLEAR REFRIGERATOR SPACE W/ OPTIONAL CABINETS ABOVE - OPT. PLUMBING FOR ICEMAKER (RECESSED IN WALL)
 - COMBINATION DOUBLE OVEN OR OVEN MICROWAVE OVEN OR OVEN VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS
 - BASE CABINETS - REFER TO INTERIOR ELEVATIONS
 - UPPER CABINETS - REFER TO INTERIOR ELEVATIONS
 - ISLAND CABINET - REFER TO INTERIOR ELEVATIONS
 - MIN. 12" BAR TOP/ BREAKFAST BAR
 - DESK AREA - REFER TO INTERIOR ELEVATIONS
 - BUILT-IN PANTRY (15" DEEP OR U.N.O.)
 - SINK CABINET(S) - REFER TO INTERIOR ELEVATIONS
 - SINK CABINET W/ EXTENDED VANITY & KNEE SPACE BELOW - REFER TO INTERIOR ELEVATIONS
 - OPT. SINK - REFER TO INTERIOR ELEVATIONS.
 - KNEE SPACE - REFER TO INTERIOR ELEVATIONS
 - PRE-FAB. TUB/SHOWER COMBO W/ FIBERGLASS MAINSCOT TO T2" - VERIFY DIMENSIONS W/ MANUF'S SPECS
 - OVAL TUB - VERIFY DIMENSIONS WITH MANUF'S SPECS.
 - PRE-FAB. SHOWER PAN W/ 30" MIN. CLR. INSIDE & MAINSCOT TO T2" - VERIFY DIMENSIONS W/ MANUF'S SPECS
 - SHATTERPROOF (TEMPERED) GLASS SHOWER ENCLOSURE.
 - TOWEL BAR - PROVIDE 2x SOLID BLK'S IN WALL
 - TOILET PAPER HOLDER - PROVIDE 2x SOLID BLK'S IN WALL
 - RECESSED, MIRRORED MEDICINE CABINET
 - WASHER & DRYER - PROVIDE WATER & WASTE FOR WASHER - RECESS WASHER CONTROL VALVES IN WALL - VENT DRYER TO OUTSIDE AIR - ACCOMMODATE APPLIANCES TO BE LOCATED WASHER AT LEFT AND DRYER AT RIGHT.
 - 12" SHELF PER SPECS
 - OPT. LAUNDRY SINK - REFER TO INTERIOR ELEV'S
 - WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN. REFER TO TS/AD-4)
 - RESERVED
 - MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
 - RESERVED
 - FAU LOCATION (REFER TO DETAIL B6/AD5)
 - RESERVED
 - LISTED FACTORY-BUILT GAS FIRED DEC. APPLIANCE (REF. B0/AD4) - INSTALL PER MFR. SPECS
 - HEARTH TO BE INSTALLED PER FACTORY-BUILT FIREPLACE LISTING
 - GAS APPLIANCE B' VENT FROM BELOW
 - LINEN PER SPECS (15" DEEP OR U.N.O.)
 - COAT CLOSET W/ SHELF & POLE (REFER TO DETAILS/AD4)
 - WARDROBE W/ SHELF & POLE (REFER TO DETAILS/AD4)
 - 22"x30" MIN. ATTIC ACCESS
25"x54" FULL DOWN LADDER R.O. ATTIC ACCESS TO BE PROTECTED
 - LINE OF WALL BELOW
 - DUCT CHASE
 - LINE OF FLOOR ABOVE
 - LINE OF FLOOR BELOW
 - LINE OF OPTIONAL TRAY CEILING (REFER TO DETAIL 42/AD5)
 - LINE OF HIP AT OPTIONAL VOLUME CEILING
 - LINE OF RIDGE AT OPTIONAL VOLUME CEILING
 - CEILING BREAK
 - STAIR TREADS & RISERS - MIN. 10" TREAD & MAX. T 3/4" RISER - (REFER TO DETAIL B1-B2/AD5)
 - MIN. 42" HIGH GUARDRAIL (REFER TO DETAIL B6/AD5)
 - 34" TO 38" HIGH HANDRAIL (REFER TO DETAIL B3/AD5)
 - A/C PAD LOCATION
 - LOW WALL - REFER TO PLAN FOR HEIGHT
 - 2x6 STUD WALL
 - 2x6 BALLOON FRAMED WALL PER STRUCTURAL
 - DEL. 2x4 WALL PER PLAN
 - INTERIOR SHELF-SEE PLAN FOR HT.
 - MEDIA NICHE
 - FLAT SOFFIT - SEE ELEV. FOR HGT.
 - ARCHED SOFFIT - SEE ELEV. FOR HGT.
 - WINDOW SEAT
 - OPT. DOOR/ WINDOW
 - PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) PYRON OR EQ. SURROUNDING STRUCTURAL POST.
 - BRICK / STONE VENEER - REFER TO ELEVATIONS VENEER TO COMPLY WITH THE N.C.-R.
 - SECTIONAL GARAGE DOOR PER SPECS
 - MIN. 1/2" GYP. BD. ON CEILING & WALLS @ USEABLE SPACE UNDER STAIR.
 - GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAN 1/2" GYP. BD. @ GARAGE SIDE WALLS & 5/8" UNDER LIVING AREA U.N.O.
 - RESERVED
 - 5/8" TYPE-X GYP. IN GARAGE BETWEEN CEILING & FLOOR ABV.
 - P.T. POST W/ WRAP
 - CONCRETE STOOP, 36"x36" STANDARD
SLOPE 1/4" PER FT. MIN.
 - EGRESS WINDOW
 - PROVIDE ADDITIONAL RISER(S) AT OPTIONAL PLATE HT.
 - MDF TOP
 - PLUMBING DROP FROM ABOVE
 - ADJUST OPENING AT OPTION TO FIT THE DOOR SIZE SHOWN
 - WINDOW LEDGE, HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOWS/ DOORS ON ALL SIDES U.N.O.
 - SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
 - CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SIZE.
 - RESERVED
 - SLOPING LOW WALL 38" ABOVE ADJACENT TREADS
 - 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. HGT.:	8'-4" U.N.O.
ENTRY DOOR HEIGHT:	6'-8" U.N.O.
SLIDING GLASS DOOR HEIGHT:	6'-8" (TEMP.)
INTERIOR SOFFIT HEIGHT:	8'-0" U.N.O.
TRAY CEILING:	7'-4" DROP U.N.O.
INTERIOR DOOR HEIGHT:	6'-8" U.N.O.

STAIR DATA NOTES	
FIRST FLOOR WITH 8'-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



**NORTH CAROLINA
40' SERIES**

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**2018 NORTH
CAROLINA STATE
BUILDING
CODES**

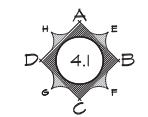
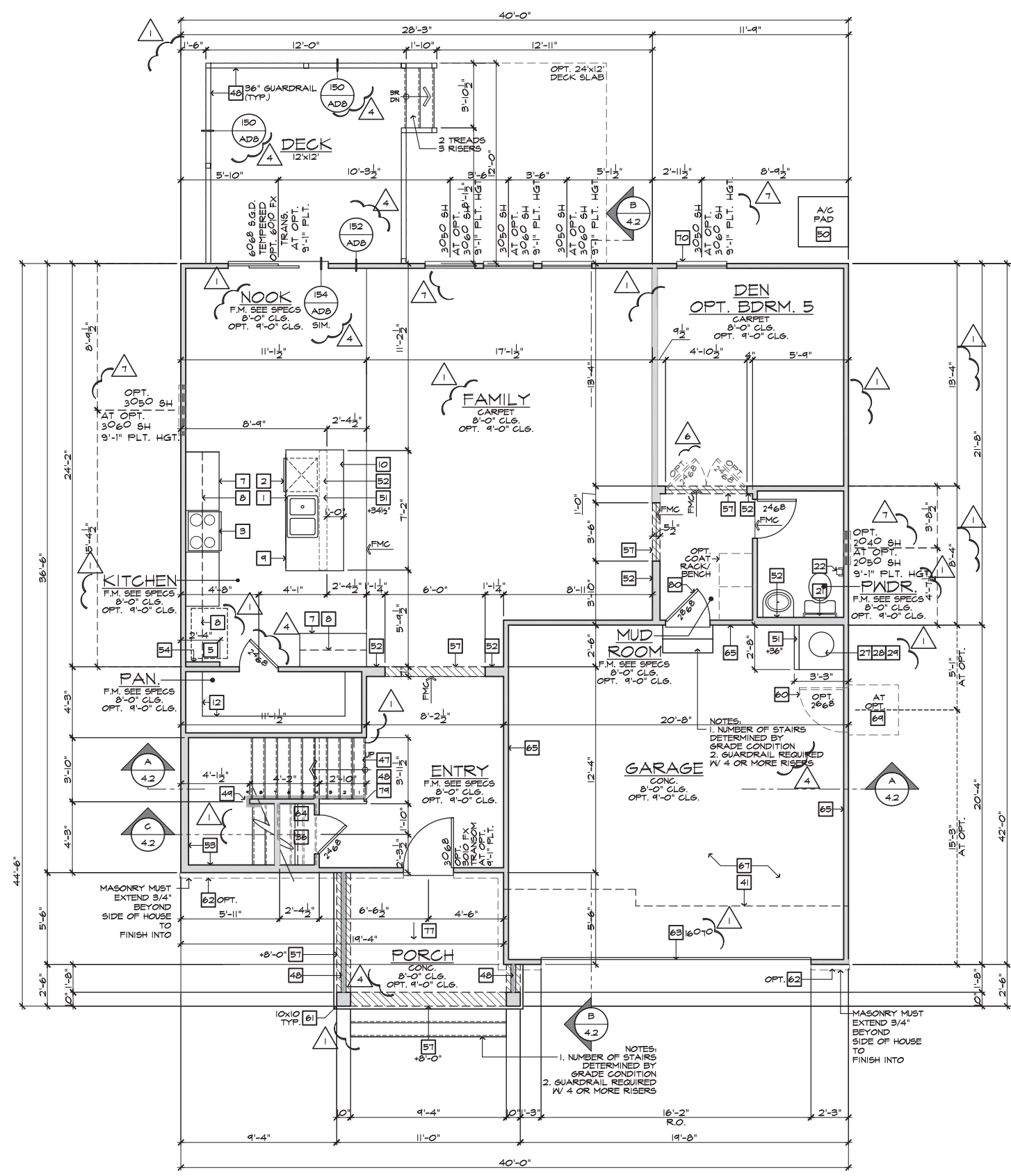
ISSUE DATE: 06/02/15
PROJECT No.: 1350999:56
DIVISION MGR.: MCP
REVISIONS: 05/07/19

- 1 DIVISION REVISIONS NC18024NCP - 08/24/18 - CTD
- 2 2018 CODE UPDATE NC19015NCP/ 03/15/19 / CTD
- 3 DIVISION REVISIONS NC19017NCP- 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

PLAN:
240.2596-R
SHEET:
1.3

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

- # FLOOR PLAN NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
1. SINK - GARBAGE DISPOSAL OPTIONAL - VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS
 2. DISHWASHER - PROVIDE AIR GAP - VERIFY SPACING & DIMENSIONS PER MANUFACTURERS' SPECS
 3. SLIDE-IN RANGE/OVEN COMBINATION W/ BUILT-IN 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. RECESSED, MIRRORED MEDICINE CABINET
 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 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 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. T 3/4" RISER - (REFER TO DETAIL 81-82/AD5)
 48. MIN. 42" HIGH GUARDRAIL (REFER TO DETAIL 86/AD5)
 49. 34" TO 38" 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. 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



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: 8'-0" U.N.O.
- TRAY CEILING: 7'4" DROP U.N.O.
- INTERIOR DOOR HEIGHT: 6'-8" U.N.O.

STAIR DATA NOTES

- FIRST FLOOR WITH 8'-1" 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'-1" 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.

FIRST FLOOR PLAN 'A' AT CRAWL SPACE

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



NORTH CAROLINA 40' SERIES

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4518 S. MIAMI BLVD.
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FAX: (919) 472-0582

2018 NORTH CAROLINA STATE BUILDING CODES

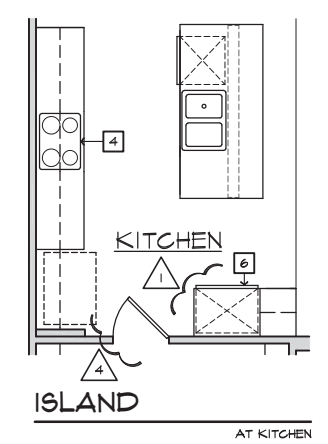
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- 3 DIVISION REVISION
NC19017NCP- 04/01/19 CTD
- 4 FRAMEWALK REVISIONS
NC19033NCP- 05/07/19 - CTD
- 5 DIVISION REVISIONS
NC20012NCP- 01/29/20 - KBA
- 6 DIVISION REVISIONS
NC20017NCP- 03/04/20 - KBA
- 7 DIVISION REVISIONS
NC20023NCP- 05/07/20 - KBA

PLAN:
240.2596-R
SHEET:
1.4

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 MANUFRS' SPECS
5.	34" CLEAR REFRIGERATOR SPACE W/ OPTIONAL CABINETS ABOVE - OPT. PLUMBING FOR ICEMAKER (RECESSED IN WALL)
6.	COMBINATION DOUBLE OVEN OR OVEN/MICROWAVE OVEN OR OVEN VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS
7.	BASE CABINETS - REFER TO INTERIOR ELEVATIONS
8.	UPPER CABINETS - REFER TO INTERIOR ELEVATIONS
9.	ISLAND CABINET - REFER TO INTERIOR ELEVATIONS
10.	MIN. 12" BAR TOP/ BREAKFAST BAR
11.	DESK AREA - REFER TO INTERIOR ELEVATIONS
12.	BUILT-IN PANTRY (15" DEEP OR U.N.O.)
13.	SINK CABINET(S) - REFER TO INTERIOR ELEVATIONS
14.	SINK CABINET W/ EXTENDED VANITY & KNEE SPACE BELOW - REFER TO INTERIOR ELEVATIONS
15.	OPT. SINK - REFER TO INTERIOR ELEVATIONS.
16.	KNEE SPACE - REFER TO INTERIOR ELEVATIONS
17.	PRE-FAB. TUB/SHOWER COMBO W/ FIBERGLASS MAINSCOT TO T2" - VERIFY DIMENSIONS W/ MANUF'S SPECS
18.	OVAL TUB - VERIFY DIMENSIONS WITH MANUF'S SPECS.
19.	PRE-FAB. SHOWER PAN W/ 30" MIN. CLR. INSIDE & MAINSCOT TO T2" - VERIFY DIMENSIONS W/ MANUF'S SPECS
20.	SHATTERPROOF (TEMPERED) GLASS SHOWER ENCLOSURE.
21.	TOWEL BAR - PROVIDE 2x SOLID BLK'G IN WALL
22.	TOILET PAPER HOLDER - PROVIDE 2x SOLID BLK'G IN WALL
23.	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/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 DETAILT3/AD4)
37.	WARDROBE W/ SHELF & POLE (REFER TO DETAILT3/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.	DEB. 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 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



FIRST FLOOR PLAN OPTIONS

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

BASIC PLAN

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**NORTH CAROLINA
40' SERIES**

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**2018 NORTH
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ISSUE DATE: 06/02/15
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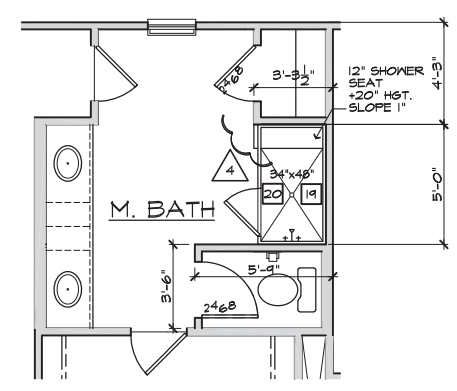
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**SPEC. LEVEL 1
RALEIGH-DURHAM
40' SERIES**

- # 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.) 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

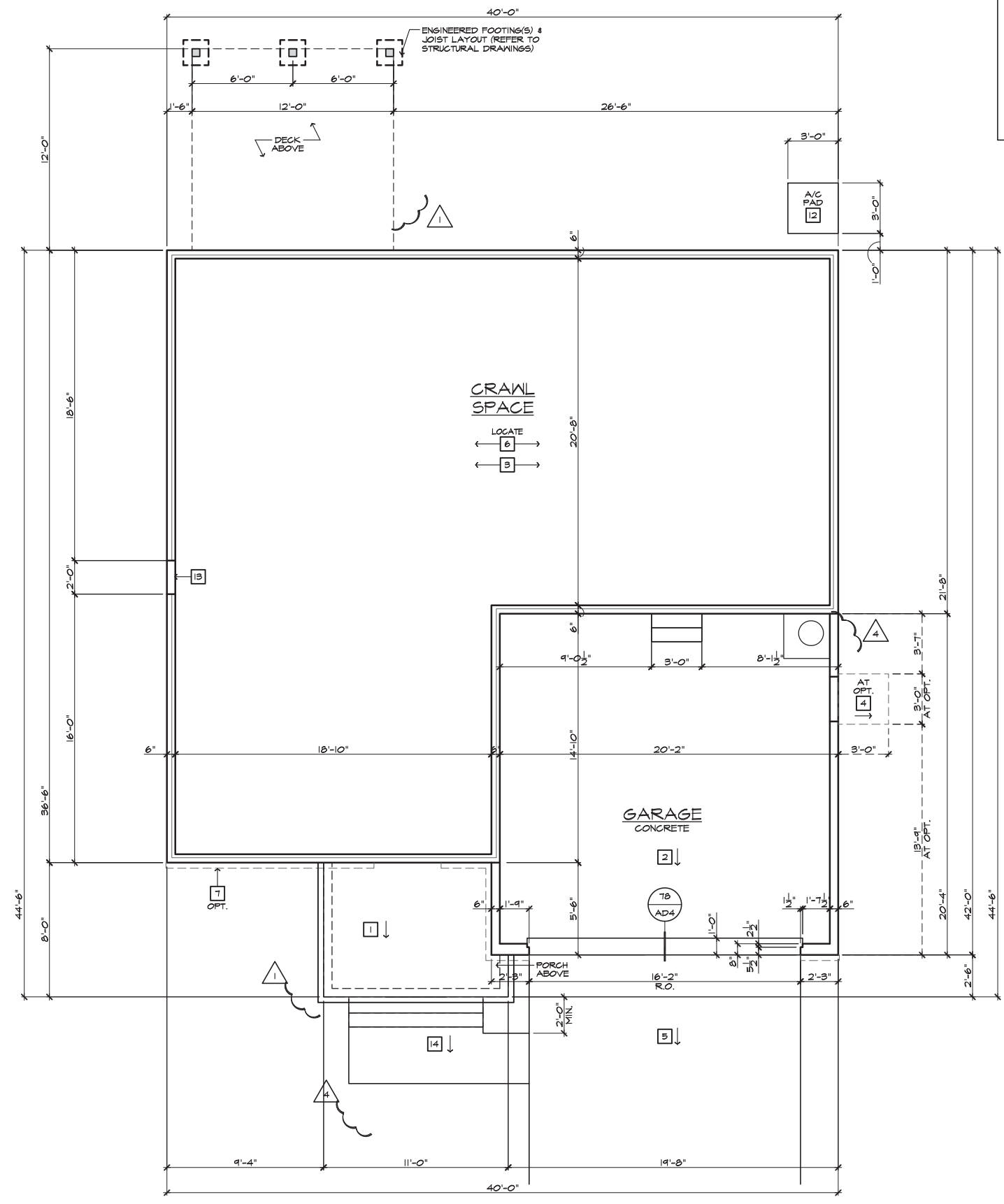
NOTE:
REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE



DELUXE M. BATH
AT M. BATH

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- # FOUNDATION PLAN NOTES** 2018 NC-C
- 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. FOUNDATION PER STRUCTURAL.
 4. STAIR LANDING: 36"x36" MIN.
 5. CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING.
 6. PROVIDE UNDER FLOOR VENTILATION
 7. 4" TOE KICK FOR MASONRY VENEER.
 8. 3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.
 9. REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.
 10. VERIFY LOCATION OF PIER FOOTINGS PER STRUCTURAL.
 11. 4" MIN. 7 3/4" MAX. TO HARD SURFACE.
 12. A/C PAD. VERIFY LOCATION.
 13. CRAWL SPACE ACCESS
 14. 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.



CRAWL SPACE FOUNDATION PLAN 'A'
 SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17") BASIC PLAN AT OPTIONAL CRAWL SPACE

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SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

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- # FOUNDATION PLAN NOTES 208.2596-R
- 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. FOUNDATION PER STRUCTURAL.
 4. STAIR LANDINGS: 36"x36" MIN.
 5. CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING.
 6. PROVIDE UNDER FLOOR VENTILATION
 7. 4" TOE KICK FOR MASONRY VENEER.
 8. 3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.
 9. REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.
 10. VERIFY LOCATION OF PIER FOOTINGS PER STRUCTURAL.
 11. 4" MIN. T 3/4" MAX. TO HARD SURFACE.
 12. A/C PAD. VERIFY LOCATION.
 13. CRAWL SPACE ACCESS
 14. 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.



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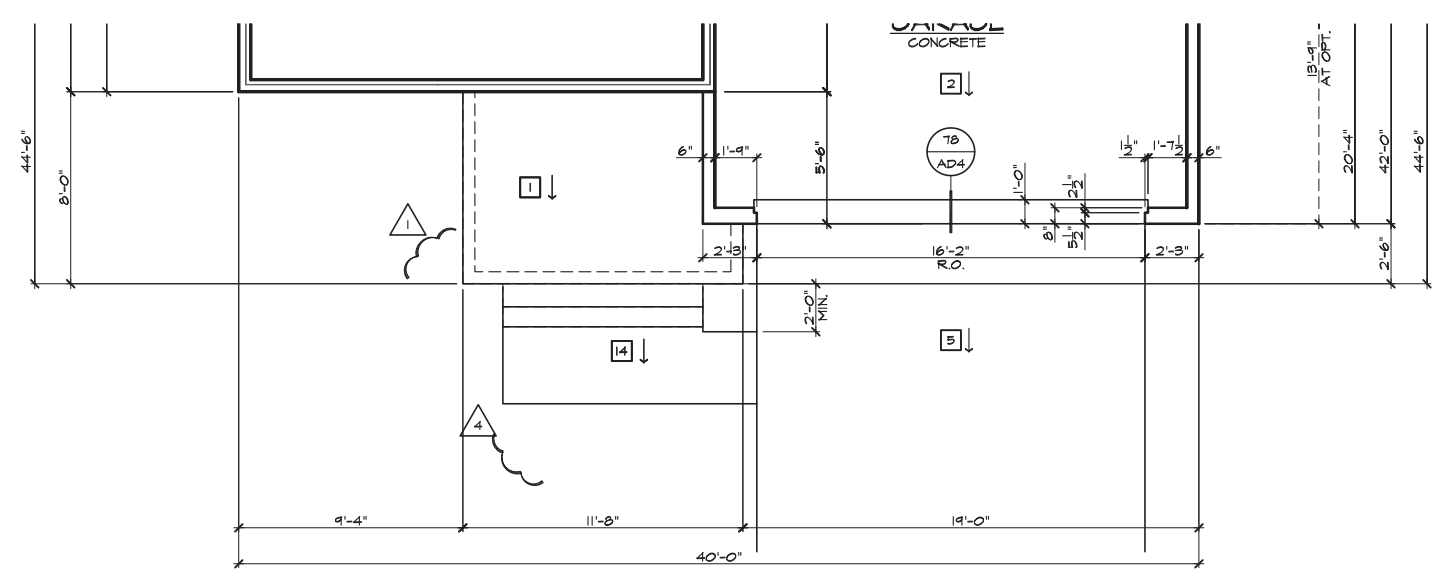
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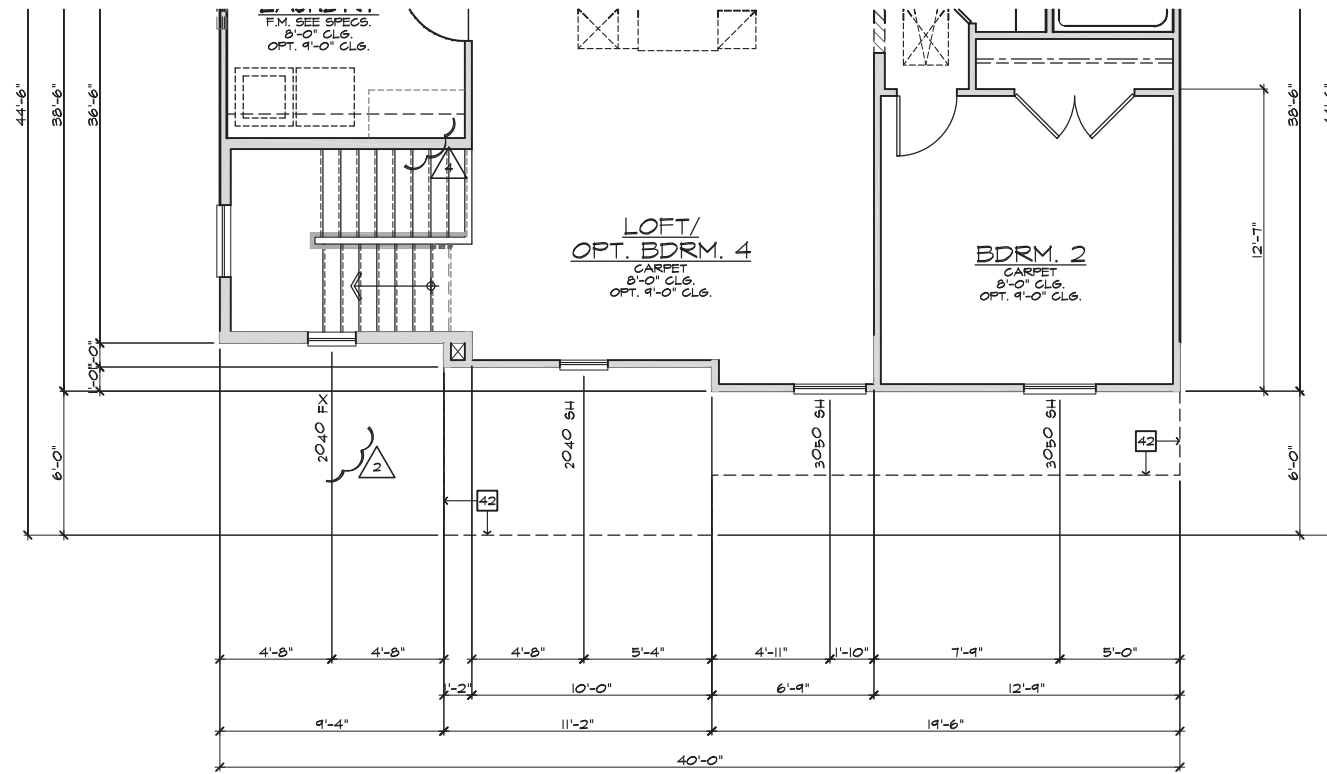
**SPEC. LEVEL 1
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PARTIAL CRAWL SPACE FOUNDATION PLAN 'B'
SCALE 1/4"=1'-0" (22"x34") - 1/8"=1'-0" (11"x17")

BASIC PLAN AT OPTIONAL CRAWL SPACE

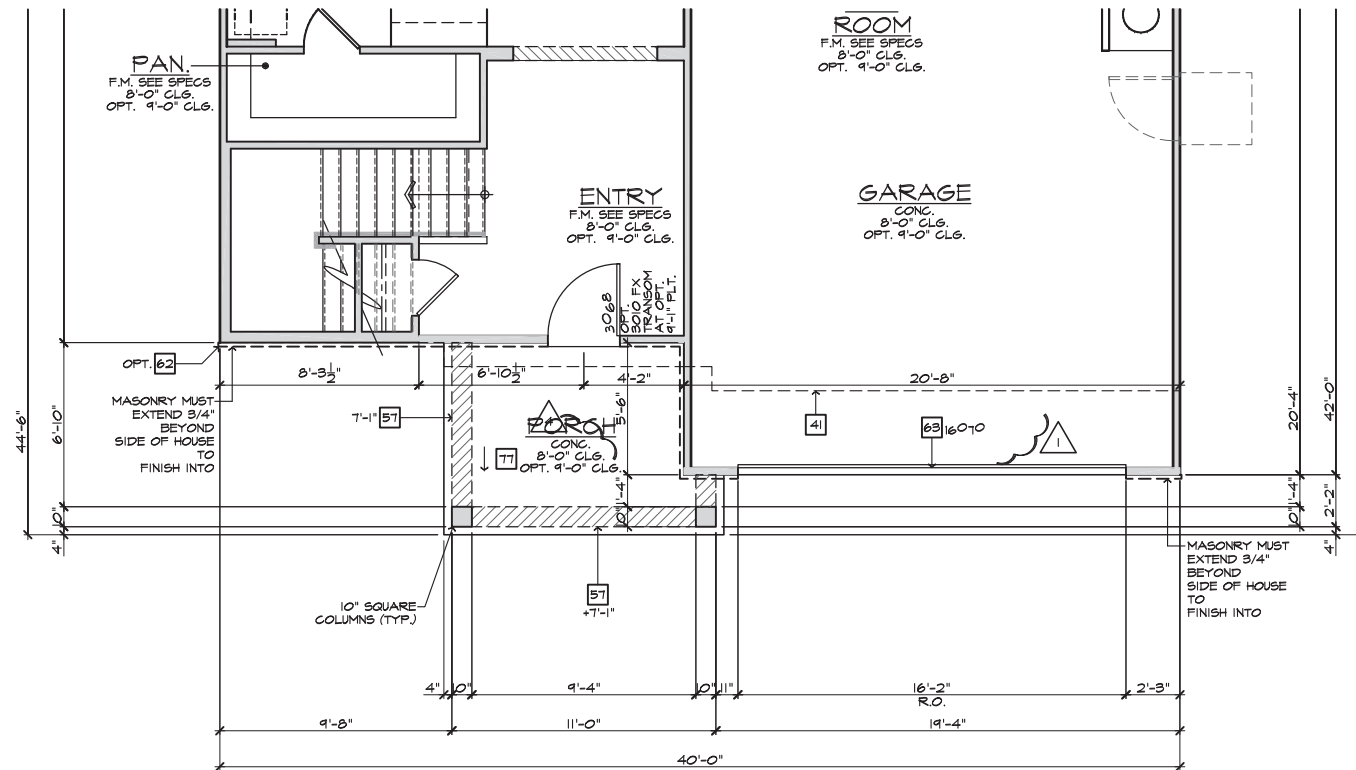
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PARTIAL SECOND FLOOR PLAN 'B'

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

BASIC PLAN



PARTIAL FIRST FLOOR PLAN 'B'

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

BASIC PLAN

#	PARTIAL PLAN NOTES
NOTE: NOT ALL KEY NOTES APPLY.	
27.	WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS)
28.	WATER HEATER B VENT TO OUTSIDE AIR
29.	MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
34.	LINE OF WALL BELOW
41.	LINE OF FLOOR ABOVE
42.	LINE OF FLOOR BELOW
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 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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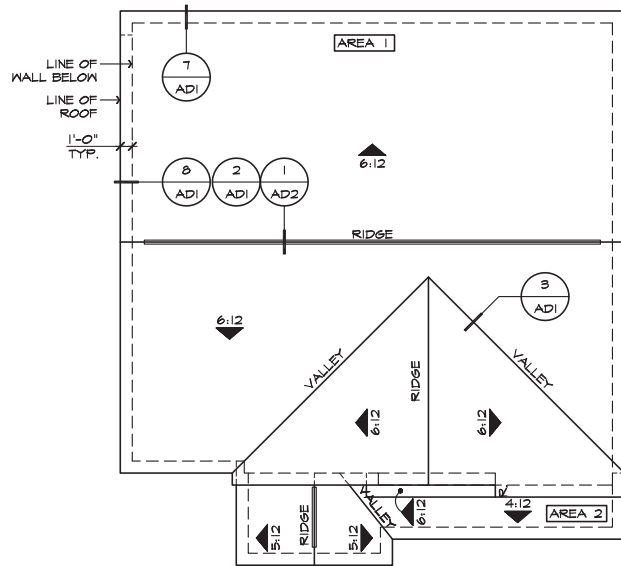
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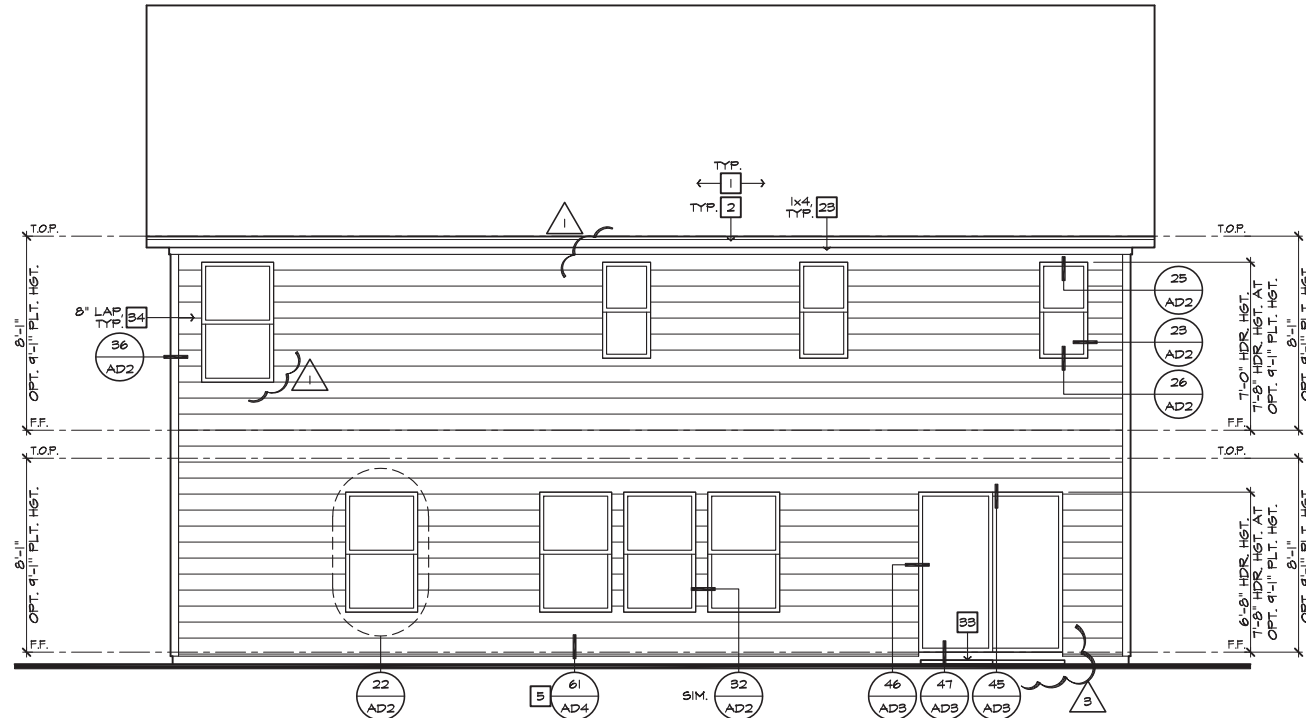
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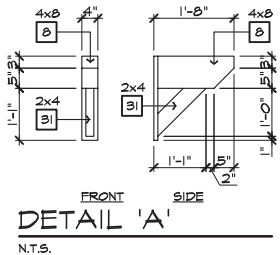
ROOF PLAN 'B'

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



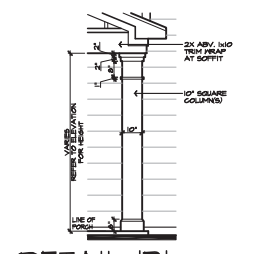
REAR ELEVATION 'B'

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



DETAIL 'A'

N.T.S.



DETAIL 'B'

N.T.S.



FRONT ELEVATION 'B'

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

ELEVATION NOTES

- NOTE: NOT ALL KEY NOTES APPLY.
1. ROOF MATERIAL - REFER TO ROOF NOTES
 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
 3. 6:1 FLASHING
 4. 6:1 FLASHING & SADDLE/CRICKET
 5. 6:1 DRIP SCREED
 6. 24"x24" CHIMNEY
 7. DECORATIVE VENT
 8. DECORATIVE CORBEL
 9. DECORATIVE SHUTTERS
 10. PEDIMENT: SEE ELEVATION FOR TYPE
 11. RECESSED ELEMENT
 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
 13. TRIM PER SPEC- SEE ELEVATION FOR SIZE
 14. 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 'B'

INDICATES ROOF SLOPE AND DIRECTION, U.N.O.

5:12

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 VENTINGS) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS. (LOW VENTINGS) (2018 N.C.-R 806.2)
 * CALCULATION BY 1/150, HIGH/LOW VENTINGS NOT REQUIRED.
 APPROXIMATE RIDGE VENT LOCATIONS SHOWN.
 ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.

AREA 1	
VENTILATION REQUIRED:	
ATTIC AREA = 1510 SQ. FT. / 300 =	5.03 SQ. FT.
VENTILATION PROVIDED:	
HIGH	5 X 144 = 724.8 SQ. IN.
LOW	
38 LINEAR FEET RIDGE VENT AT 18 SQ. IN. PER FOOT=	684 SQ. IN.
48 LINEAR FEET EAVE VENT AT 5 SQ. IN. PER FOOT=	240 SQ. IN.
TOTAL=	924 SQ. IN.

AREA 2	
VENTILATION REQUIRED:	
ATTIC AREA = 140 SQ. FT. / 150 =	.9 SQ. FT.
VENTILATION PROVIDED:	
HIGH	
5 LINEAR FEET RIDGE VENT AT 18 SQ. IN. PER FOOT=	90 SQ. IN.
LOW	
15 LINEAR FEET EAVE VENT AT 5 SQ. IN. PER FOOT=	75 SQ. IN.
TOTAL=	165 SQ. IN.



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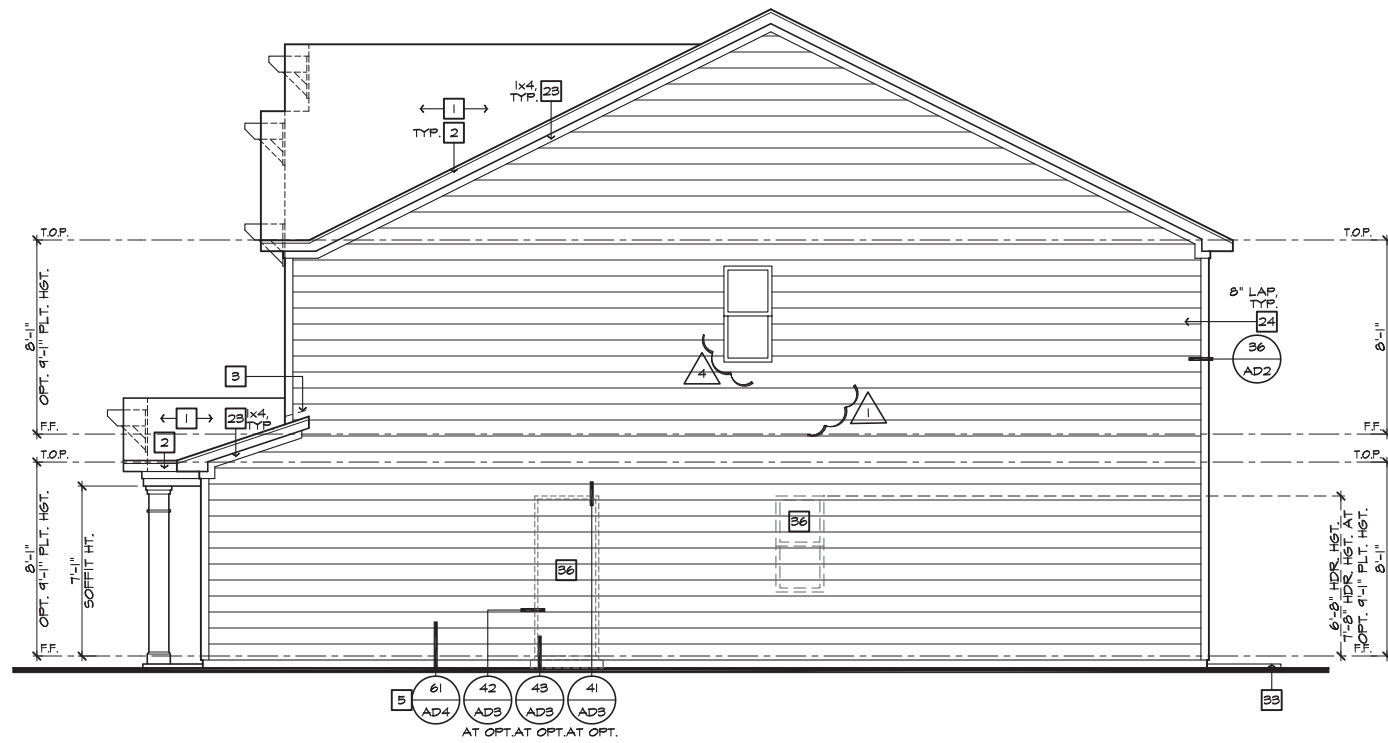
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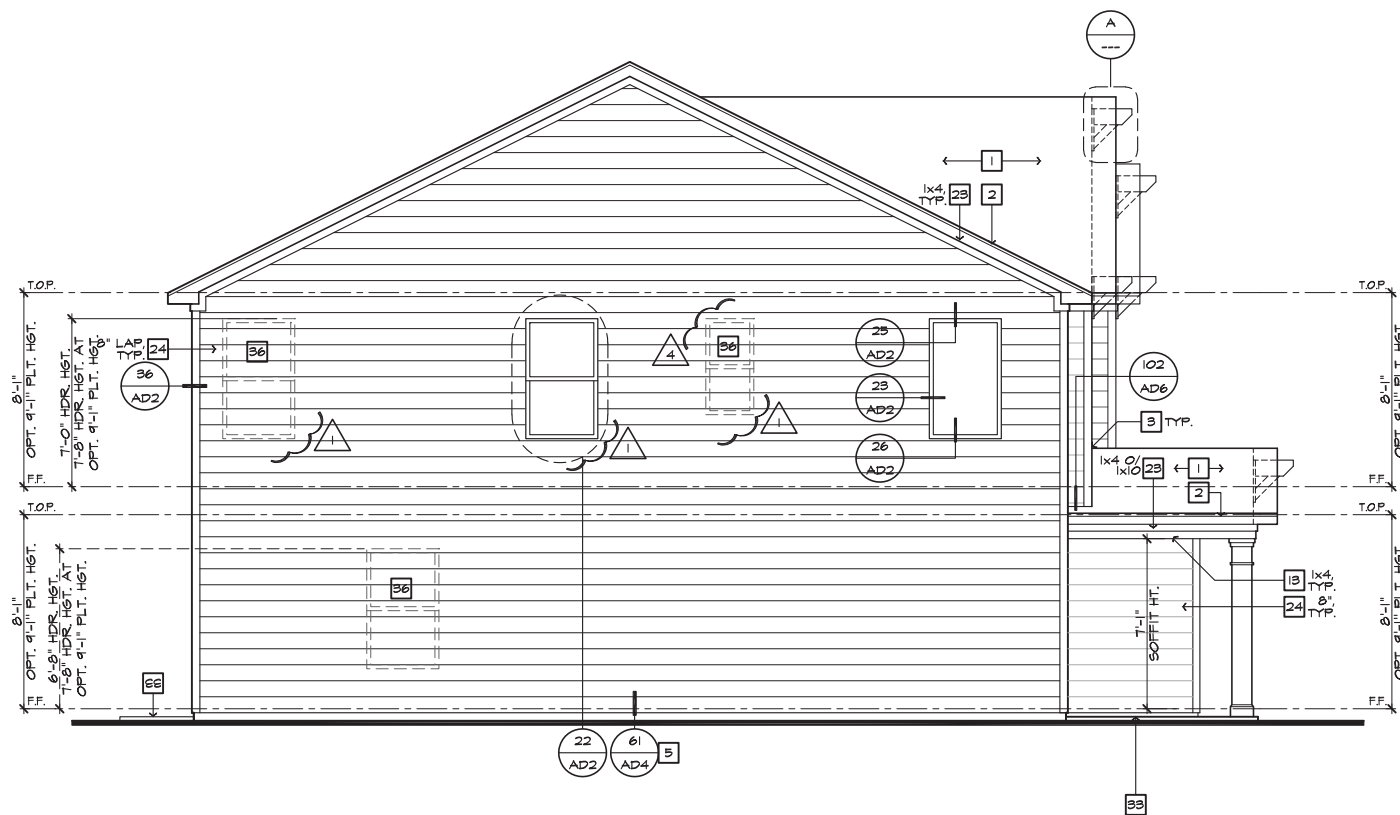
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SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

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



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

#	ELEVATION NOTES
NOTE: NOT ALL KEY NOTES APPLY.	
1.	ROOF MATERIAL - REFER TO ROOF NOTES
2.	2X FASCIA/BARGE BOARD WITH FASCIA CAP
3.	6.1. FLASHING
4.	6.1. FLASHING & SADDLE/CRICKET
5.	6.1. DRIP SCREED
6.	24"x24" CHIMNEY
7.	DECORATIVE VENT
8.	DECORATIVE CORBEL
9.	DECORATIVE SHUTTERS
10.	PEDIMENT. SEE ELEVATION FOR TYPE
11.	RECESSED ELEMENT
12.	DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
13.	TRIM PER SPEC- SEE ELEVATION FOR SIZE
14.	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

**NORTH CAROLINA
40' SERIES**

KB HOME
NORTH CAROLINA DIVISION
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**2018 NORTH
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BUILDING
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NC20012NCF- 01/29/20 - KBA
- 6 DIVISION REVISIONS
NC20017NCF- 03/04/20 - KBA

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

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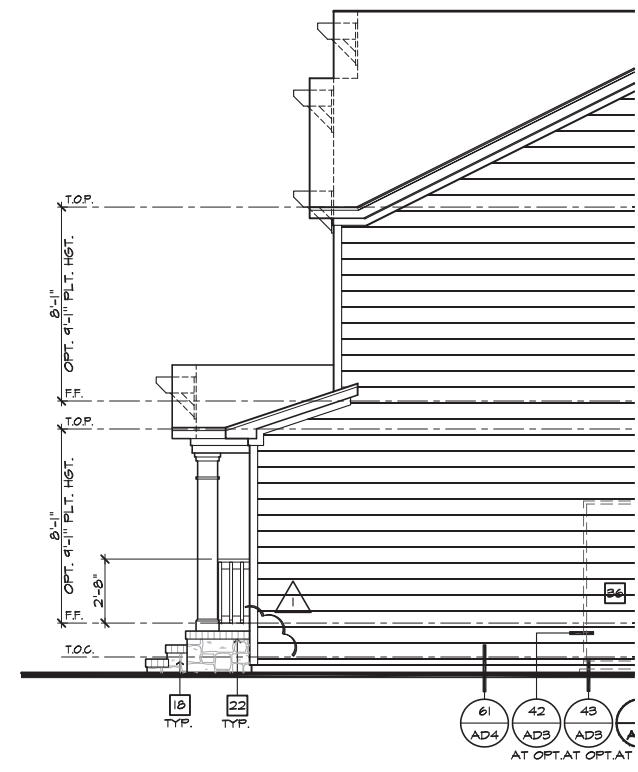
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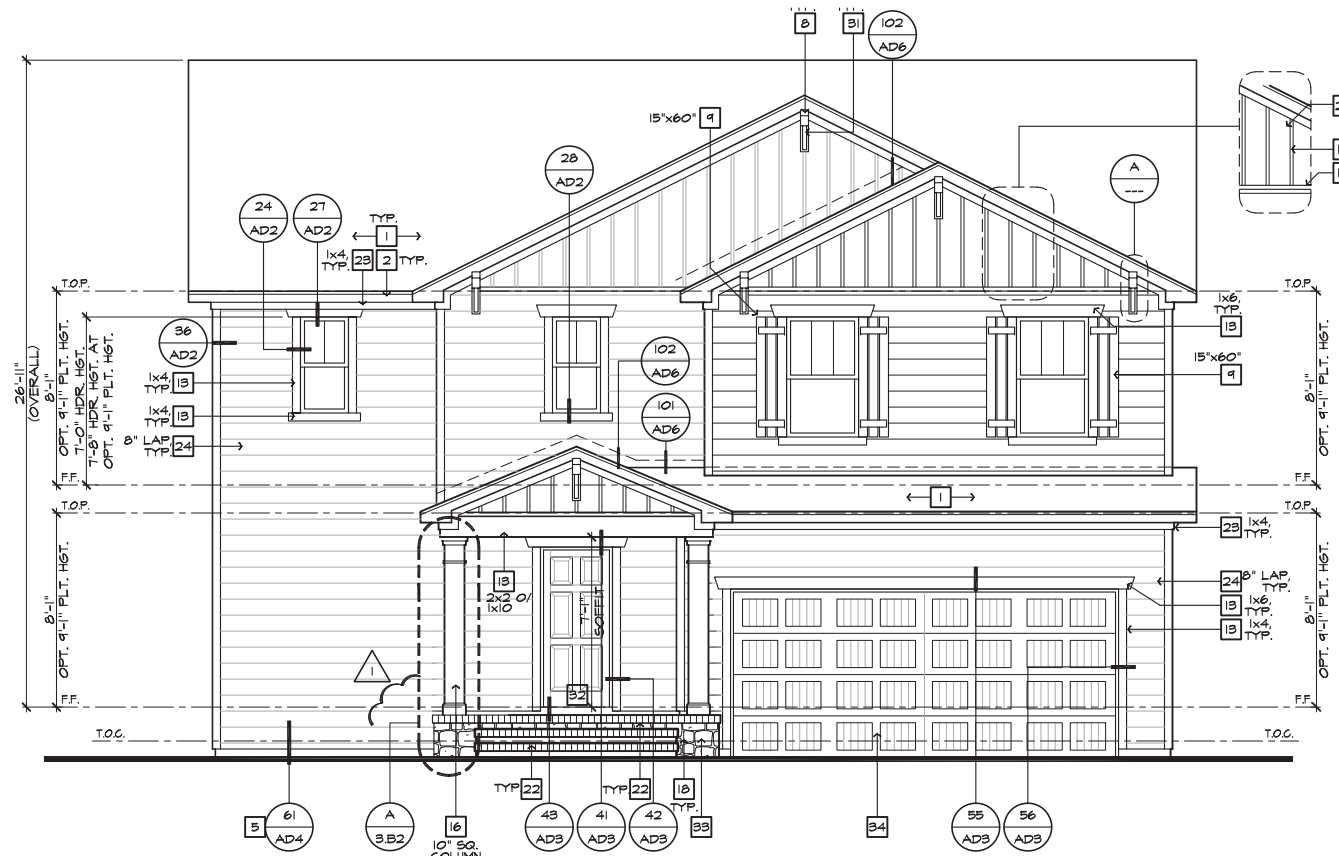
**SPEC. LEVEL 1
RALEIGH-DURHAM
40' SERIES**

#	ELEVATION NOTES
NOTE: NOT ALL KEY NOTES APPLY.	
1.	ROOF MATERIAL - REFER TO ROOF NOTES
2.	2X FASCIA/BARGE BOARD WITH FASCIA CAP
3.	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

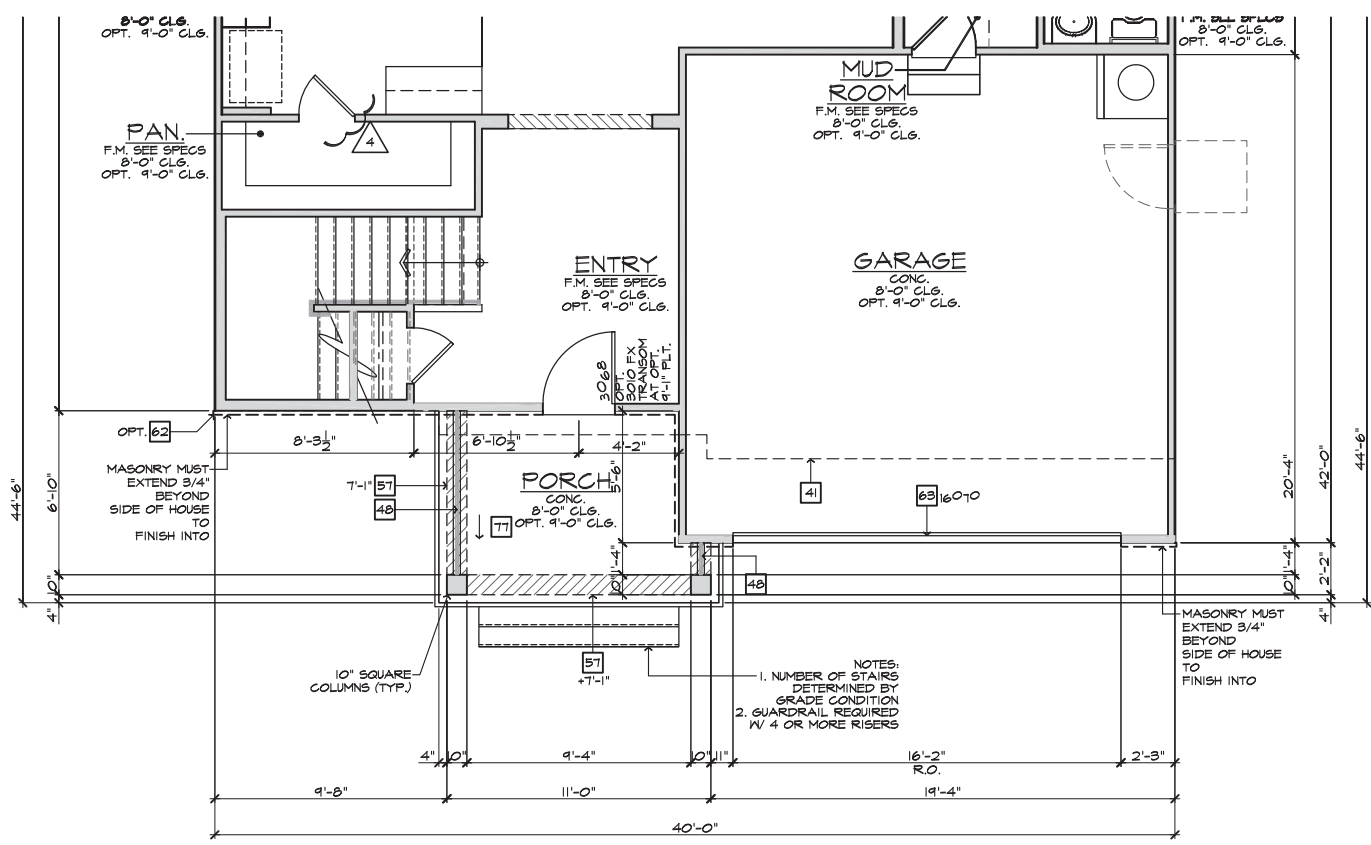
#	PARTIAL PLAN NOTES
NOTE: NOT ALL KEY NOTES APPLY.	
27.	WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS)
28.	WATER HEATER B VENT TO OUTSIDE AIR
29.	MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
34.	LINE OF WALL 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/ VINYL 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.



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



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



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

NOTE:
REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE

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

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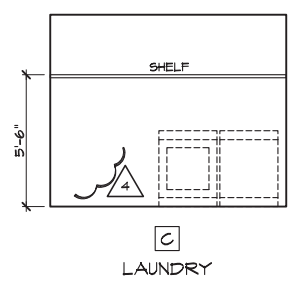
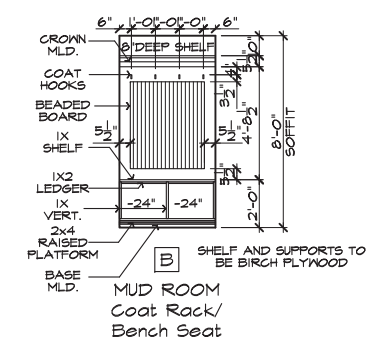
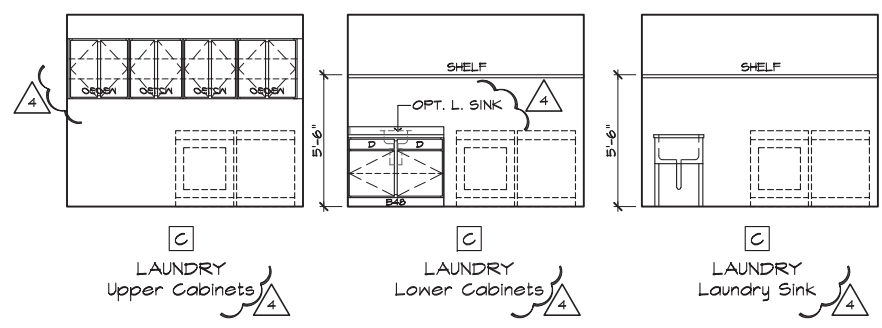
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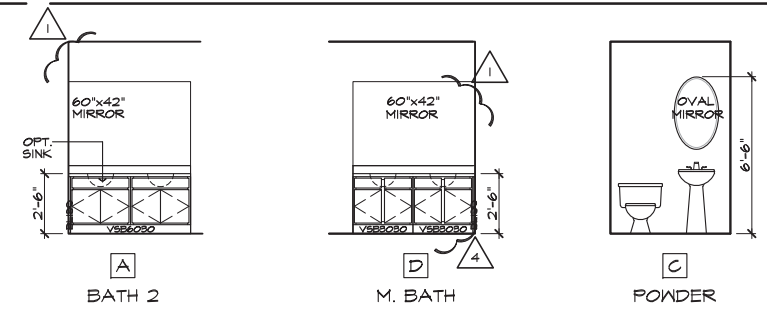
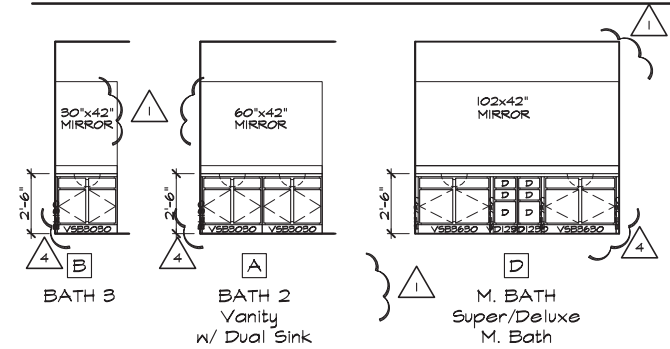
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SHEET:
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**SPEC. LEVEL 1
RALEIGH-DURHAM
40' SERIES**



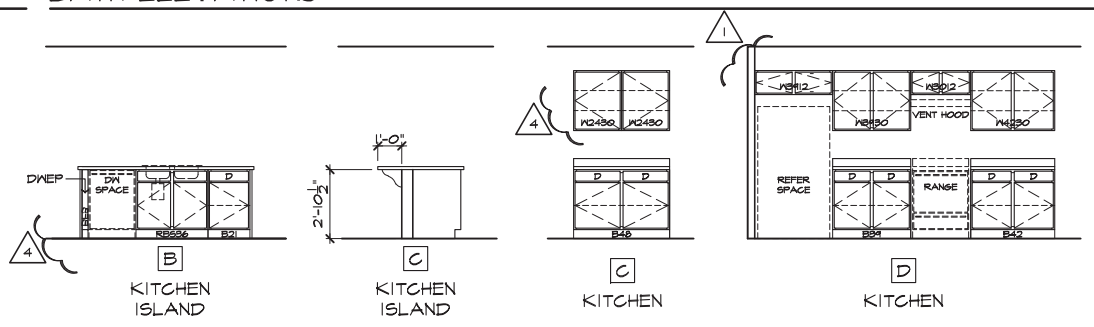
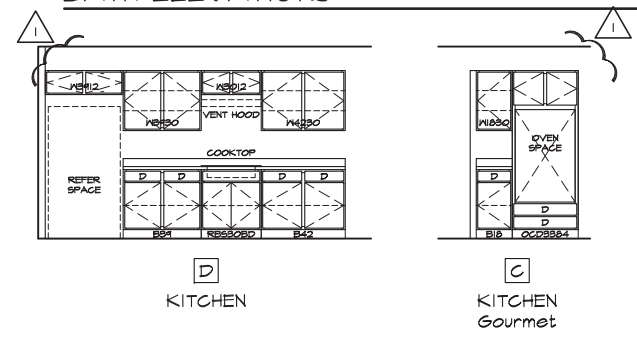
INTERIOR ELEVATIONS

INTERIOR ELEVATIONS



BATH ELEVATIONS

BATH ELEVATIONS



KITCHEN ELEVATIONS

KITCHEN ELEVATIONS

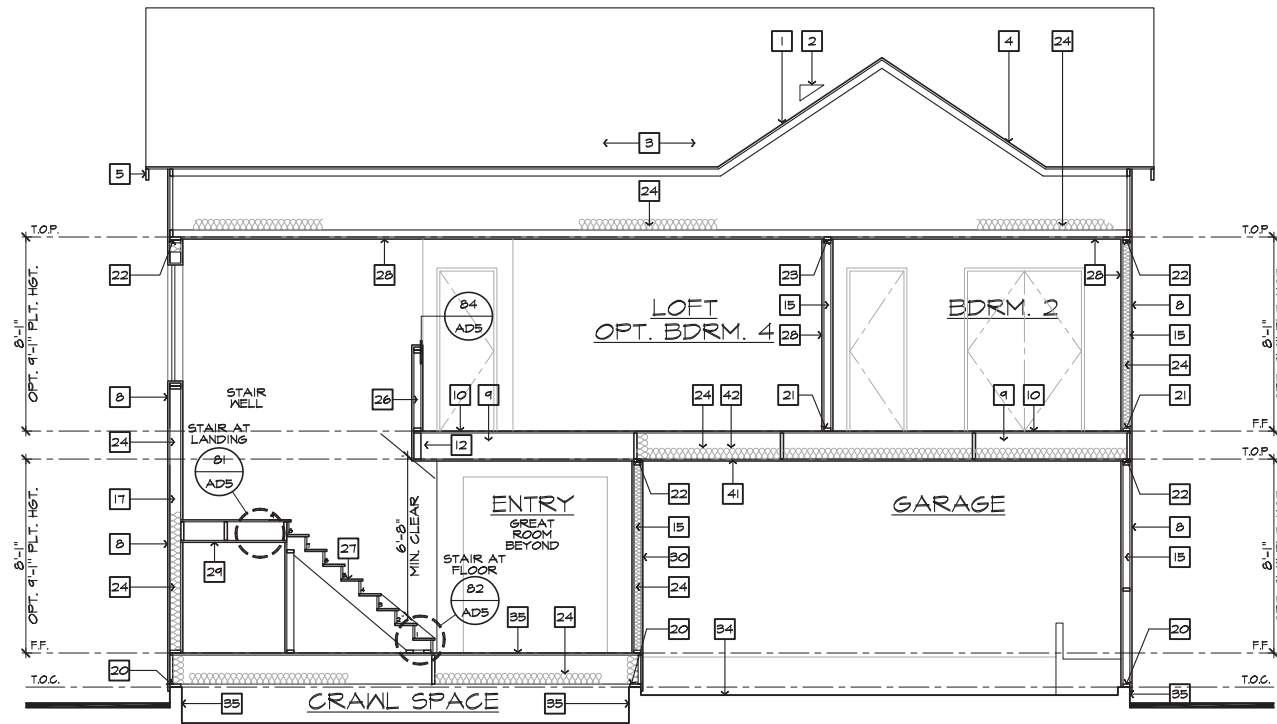
OPTIONAL INTERIOR ELEVATIONS

INTERIOR ELEVATIONS

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

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

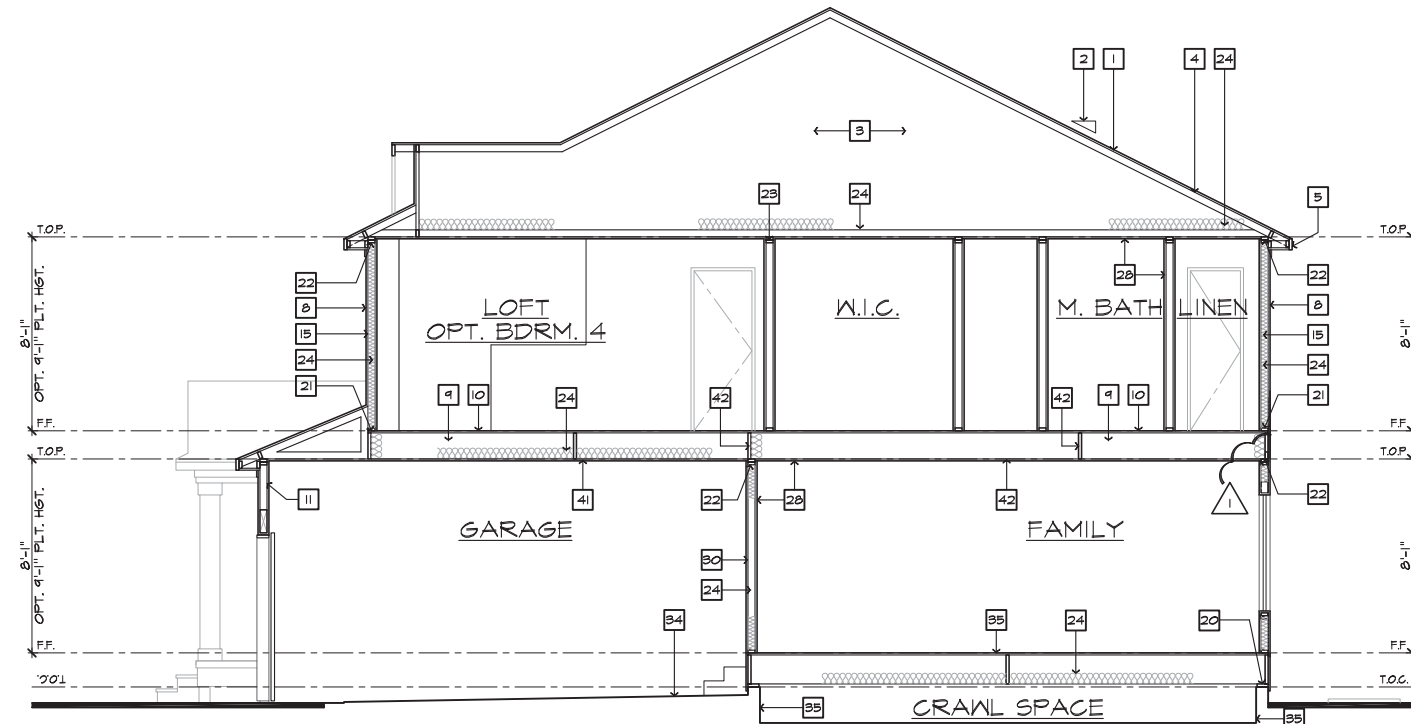
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SECTION "A"

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

AT CRAWL SPACE



SECTION "B"

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

AT CRAWL SPACE

- # SECTION NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
1. ROOF MATERIAL - REFER TO ROOF NOTES
 2. ROOF PITCH - REFER TO ROOF NOTES
 3. PRE-MANUFACTURED WOOD ROOF TRUSS SYSTEM - SEE STRUCTURAL & TRUSS CALCS
 4. ROOF SHEATHING PER STRUCTURAL
 5. 2x FASCIA/BARGE BOARD
 6. CONT. SOFFITED EAVE W/ VENTING
 7. G.I. FLASHING - ROOF TO WALL
 8. EXTERIOR FINISH PER ELEVATIONS
 9. FLOOR FRAMING PER STRUCTURAL
 10. FLOOR SHEATHING PER STRUCTURAL
 11. HEADER PER STRUCTURAL
 12. FLUSH BEAM PER STRUCTURAL
 13. DROPPED BEAM PER STRUCTURAL
 14. FLAT/ ARCHED SOFFIT PER PLAN
 15. 2x4 STUD WALL
 16. 2x6 STUD WALL
 17. 2x6 BALLOON FRAMED WALL PER STRUCTURAL
 18. DBL. 2x4 WALL PER PLAN
 19. 2x CRIPPLES @ 16" O.C.
 20. 2x PRESSURE TREATED SILL PLATE
 21. 2x SOLE PLATE
 22. DBL. 2x TOP PLATE @ EXTERIOR & BEARING WALLS
 23. 1x OVER 2x TOP PLATE @ INTERIOR & NON-BEARING WALLS
 24. INSULATION MATERIAL PER ENERGY CALCULATIONS
 25. MIN. 36" HIGH GUARD - SEE PLAN FOR HEIGHT
 26. LOW WALL - SEE PLAN FOR HEIGHT
 27. STAIR TREADS AND RISERS PER PLAN - MIN. 10" TREAD & MAX. 7 3/4" RISER
 28. INTERIOR FINISH - MIN. 1/2" GYP. BD. @ WALLS & SAG RESISTANT OR 5/8" DRYWALL @ CEILING
 29. MIN. 1/2" GYP. BD. ON CEILING & WALLS @ USEABLE SPACE UNDER STAIRS
 30. GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAN 1/2" GYP. BD. @ GARAGE SIDE WALLS & 5/8" UNDER LIVING AREA U.N.O.
 31. MATERIAL TO UNDERSIDE OF ROOF SHEATHING
 32. INTERIOR SHELF - MIN. 1/2" GYP. BD. OVER 3/8" PLY WD.
 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. DRAFTSTOPS SHALL DIVIDE THE CONCEALED SPACE INTO APPROXIMATELY EQUAL AREAS.



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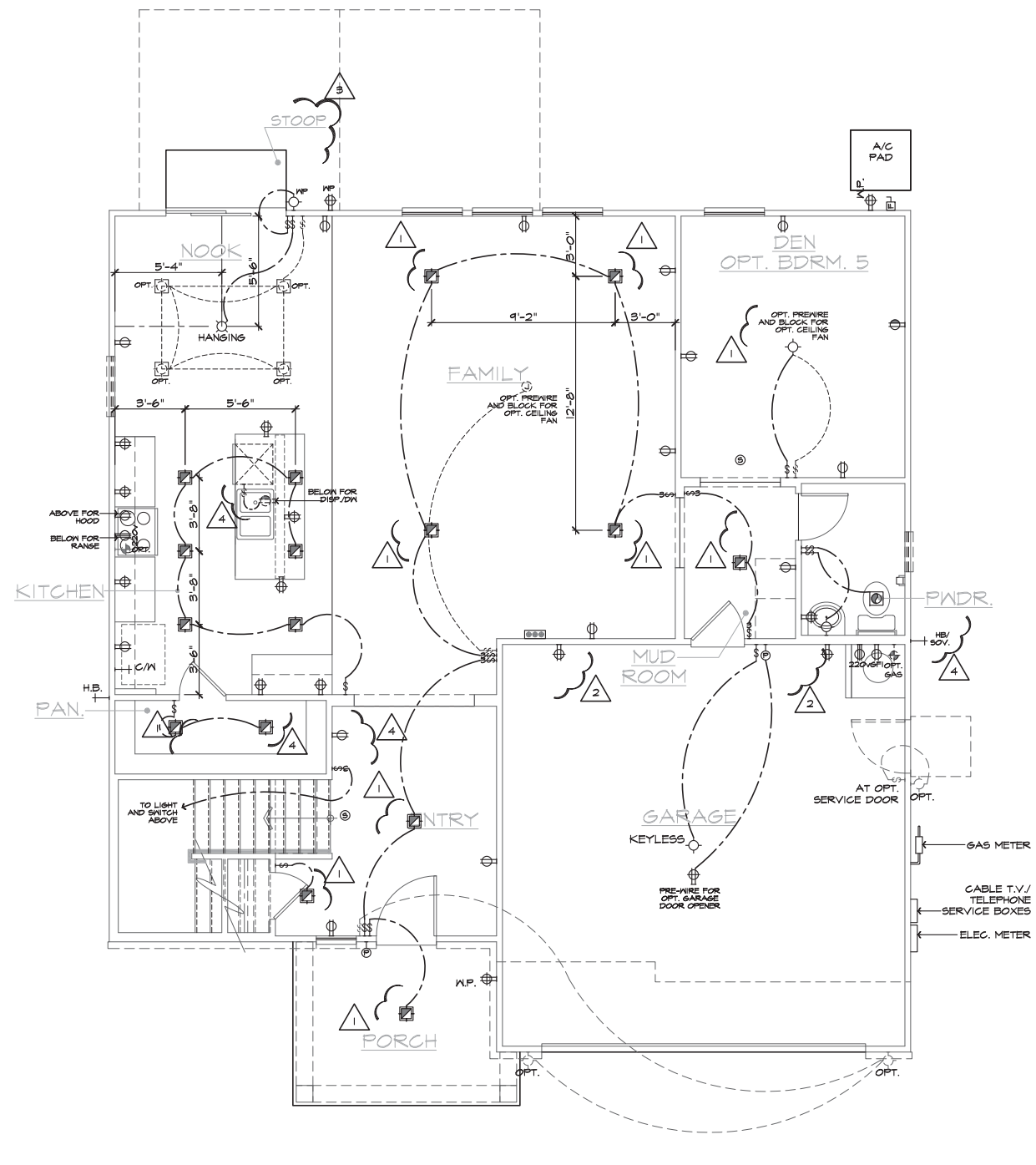
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SPEC. LEVEL 1
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FIRST FLOOR UTILITY PLAN
 SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

BASIC PLAN

UTILITY LEGEND 2018 NC-PL 2017 NEG.

- ⊕ 120V DUPLEX CONVENIENCE RECEPTACLE AND FAULT (AFCI) AND TAMPER RESISTANT (TR) 12" ABV. FIN. FLR. TYPICAL U.N.O.
- ⊕ W/P 6FI 120V (TR) RECEPTACLE W/ 6FI CIRCUIT W/ WATER RESISTANT HOUSING
- ⊕ 6FI 120V (TR) RECEPTACLE W/ 6FI CIRCUIT
- ⊕ FUSED DISCONNECT
- 120V (AFCI & TR) RECESSED FLOOR RECEPTACLE W/ COVER
- ⊕ 120V (AFCI & TR) DUPLEX CONVENIENCE RECEPTACLE SWITCH CONTROLLED, 1/2 HOT
- ⊕ 220V SINGLE CONVENIENCE RECEPTACLE HEIGHT NOTED AS PER PLAN
- ⊕ TWO-POLE LIGHT SWITCH AT 42" ABV. FIN. FLR. 8" ABOVE COUNTER U.N.O.
- ⊕ 3 THREE-POLE LIGHT SWITCH
- ⊕ 4 FOUR-POLE LIGHT SWITCH
- ⊕ W.P. WALL MOUNTED LIGHT FIXTURE W/ WATER RESISTANT HOUSING
- ⊕ WALL MOUNTED INCANDESCENT LIGHT FIXTURE
- ⊕ WALL MOUNTED FLUORESCENT LIGHT FIXTURE
- ⊕ CEILING MOUNTED INCANDESCENT LIGHT FIXTURE
- ⊕ CEILING MOUNTED FLUORESCENT LIGHT FIXTURE
- ⊕ HANGING INCANDESCENT LIGHT FIXTURE
- ⊕ RECESSED INCANDESCENT DIRECTIONAL LIGHT FIXTURE (EYE BALL)
- ⊕ RECESSED INCANDESCENT LIGHT FIXTURE
- ⊕ LIGHTING - TRAVERSE II LED FIXTURE - PER SPECS
- ⊕ W.P. RECESSED INCANDESCENT LIGHT FIXTURE W/ WATER RESISTANT HOUSING
- ⊕ RECESSED FLUORESCENT LIGHT FIXTURE
- ⊕ RECESSED EXHAUST FAN
- ⊕ RECESSED EXHAUST FAN/ INCANDESCENT LIGHT COMBINATION
- ⊕ RECESSED EXHAUST FAN/ FLUORESCENT LIGHT COMBINATION
- ⊕ INCANDESCENT WALL SCONCE
- ⊕ ILLUMINATED ADDRESS SIGN - VISIBLE FROM STREET
- ⊕ 24"x48" FLUORESCENT LIGHT BOX (CEILING MOUNTED)
- ⊕ 12"x48" FLUORESCENT LIGHT BOX (CEILING MOUNTED)
- ⊕ OPTIONAL PRE-WIRED CEILING FAN AND SWITCH - LOCATED IN CENTER OF ROOM U.N.O.
- ⊕ CEILING MOUNTED JUNCTION BOX
- ⊕ WALL MOUNTED JUNCTION BOX
- ⊕ DOOR CHIME
- ⊕ CATV RECEPTACLE
- ⊕ PUSH BUTTON
- ⊕ 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
- ⊕ 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 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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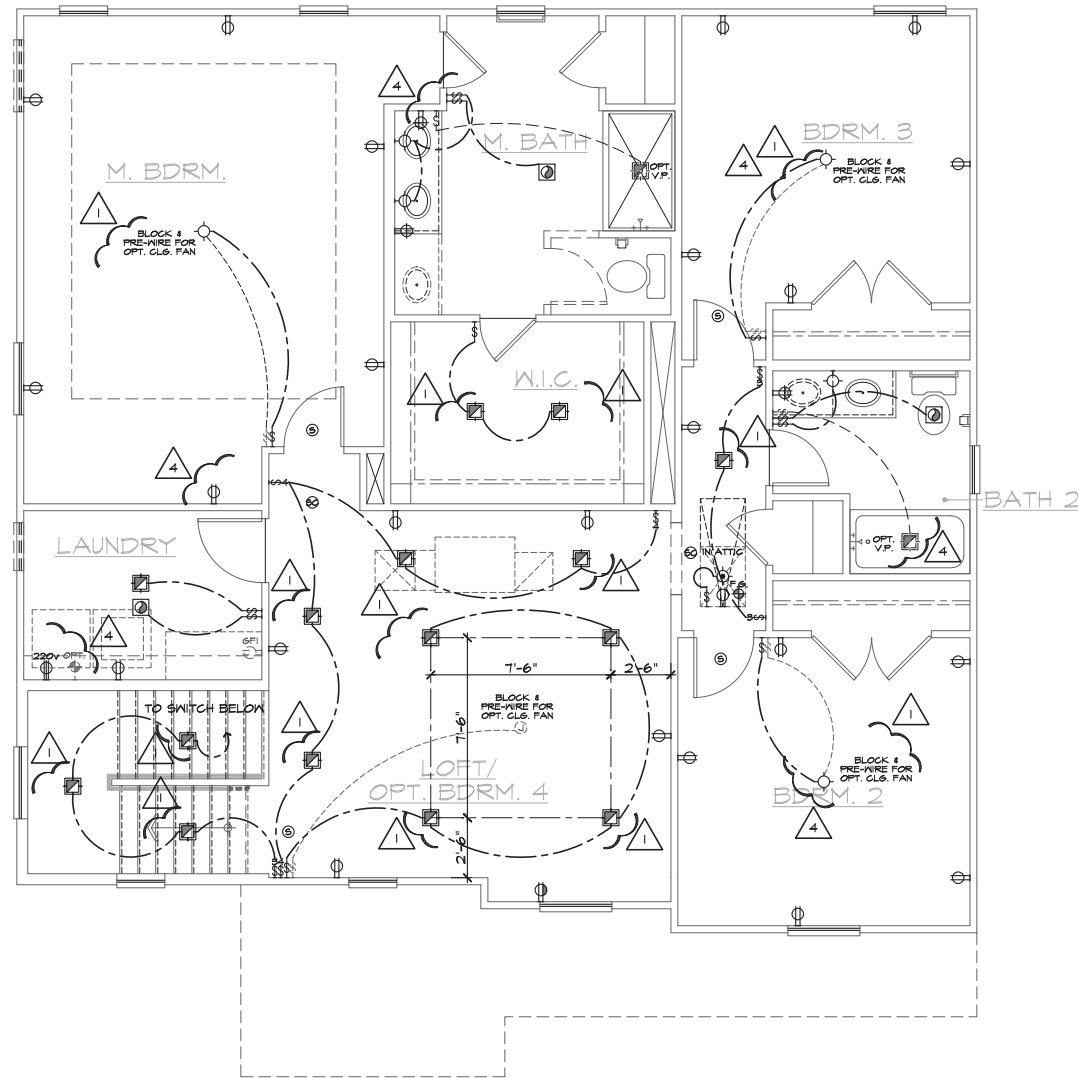
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UTILITY LEGEND

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

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**2018 NORTH
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- 1 DIVISION REVISIONS
NC18024NCF - 08/24/18 - CTD
- 2 2018 CODE UPDATE
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- 3 DIVISION REVISION
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NC19033NCF- 05/07/19 - CTD
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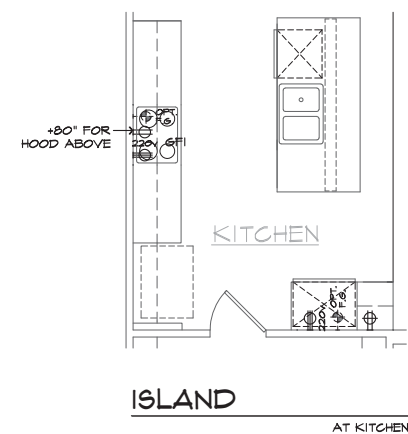
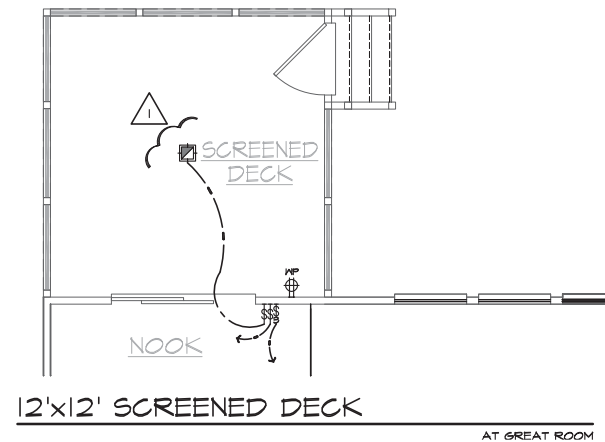
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SPEC. LEVEL 1
**RALEIGH-DURHAM
40' SERIES**

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

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
	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 GARAGE
NOTES	
1. MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS ARE SHOWN FOR INTENT ONLY. THESE SYSTEMS SHALL BE ENGINEERED BY OTHERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND PLACEMENT. ALL HEIGHTS SHOWN ARE TO CENTERLINE OF FIXTURE.	
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4. 20 FOOT #4 REBAR FOR UFER 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.	



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- 6 DIVISION REVISIONS
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SPEC. LEVEL 1
**RALEIGH-DURHAM
40' SERIES**

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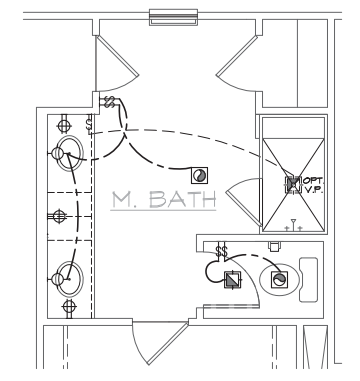
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PLAN:
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**SPEC. LEVEL 1
RALEIGH-DURHAM
40' SERIES**

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/ G.L.S. FAN OPTIONS
	24" MIN. SEPARATION OF ELECTRICAL BOXES AS SHOWN BELOW
	DWELLING 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.



DELUXE M. BATH
AT M. BATH

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#	ELEVATION NOTES
	NOTE: NOT ALL KEY NOTES APPLY.
1.	ROOF MATERIAL - REFER TO ROOF NOTES
2.	2X FASCIA/BARGE BOARD WITH FASCIA CAP
3.	G.I. FLASHING
4.	G.I. FLASHING & SADDLE/CRICKET
5.	G.I. DRIP SCREED
6.	24"x24" CHIMNEY
7.	DECORATIVE VENT
8.	DECORATIVE CORBEL
9.	DECORATIVE SHUTTERS
10.	PEDIMENT. SEE ELEVATION FOR TYPE
11.	RECESSED ELEMENT
12.	DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
13.	TRIM PER SPEC- SEE ELEVATION FOR SIZE
14.	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 FAN & DRAIN. (REFER TO DETAILS)
28.	WATER HEATER 'B' VENT TO OUTSIDE AIR
29.	MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
39.	LINE OF WALL BELOW
41.	LINE OF FLOOR ABOVE
42.	LINE OF FLOOR BELOW
50.	MIN. 2" HIGH GUARDRAIL (REFER TO DETAIL SHEETS)
51.	LOW WALL - REFER TO PLAN FOR HEIGHT
52.	2x6 STUD WALL
54.	DEL. 2x4 WALL PER PLAN
55.	INTERIOR SHELF - REFER TO PLAN FOR HEIGHT
57.	FLAT SOFFIT
58.	ARCHED SOFFIT
60.	OPT. DOOR/ WINDOW
61.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
62.	BRICK / STONE VENEER - REFER TO ELEVATIONS
63.	SECTIONAL GARAGE DOOR PER SPECS
66.	3" DIAM. CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE (NOT REQUIRED AT ELECTRIC WATER HEATERS OR FOR APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL TRAVEL PATH).
68.	P.T. POST W/ WRAP.
70.	EGRESS WINDOW
75.	WINDOW LEDGE. HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOWS) ON ALL SIDES U.N.O.
76.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
77.	CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SIZE

#	FOUNDATION PLAN NOTES
	NOTE: NOT ALL KEY NOTES APPLY.
1.	CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.
2.	CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER 1'-0" MIN. TOWARD DOOR OPENINGS.
3.	FOUNDATION PER STRUCTURAL.
4.	STAIR LANDING. 36"x36" MIN.
5.	CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENINGS.
6.	PROVIDE UNDER FLOOR VENTILATION
7.	4" TOE KICK FOR MASONRY VENEER.
8.	3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.
9.	REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.
10.	VERIFY LOCATION OF PIER FOOTINGS PER STRUCTURAL
11.	4" MIN. T 3/4" MAX. TO HARD SURFACE.
12.	A/G PAD. VERIFY LOCATION.
13.	CRAWL SPACE ACCESS
14.	36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

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

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



NORTH CAROLINA 40' SERIES

KB HOME
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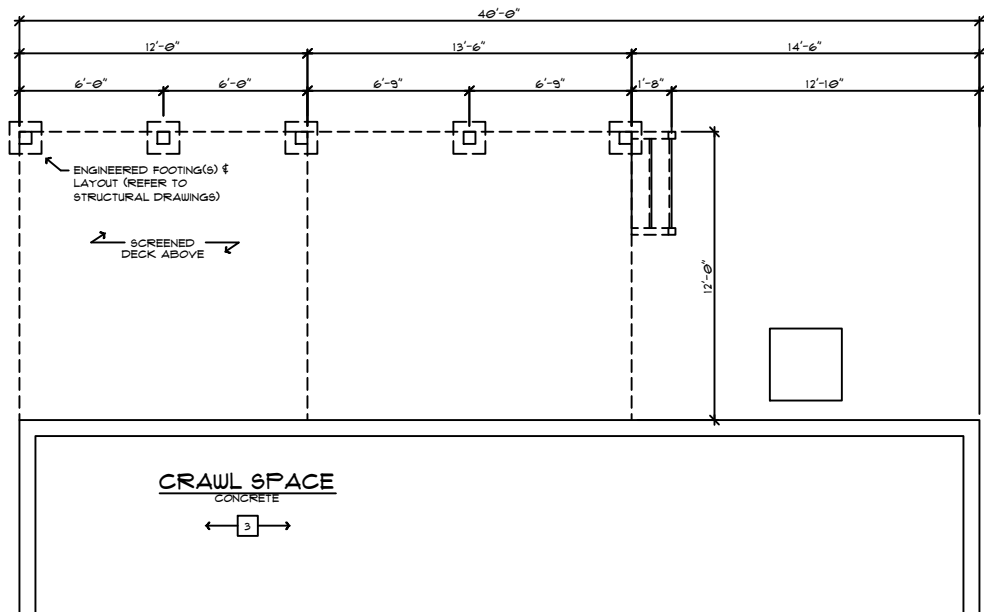
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SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

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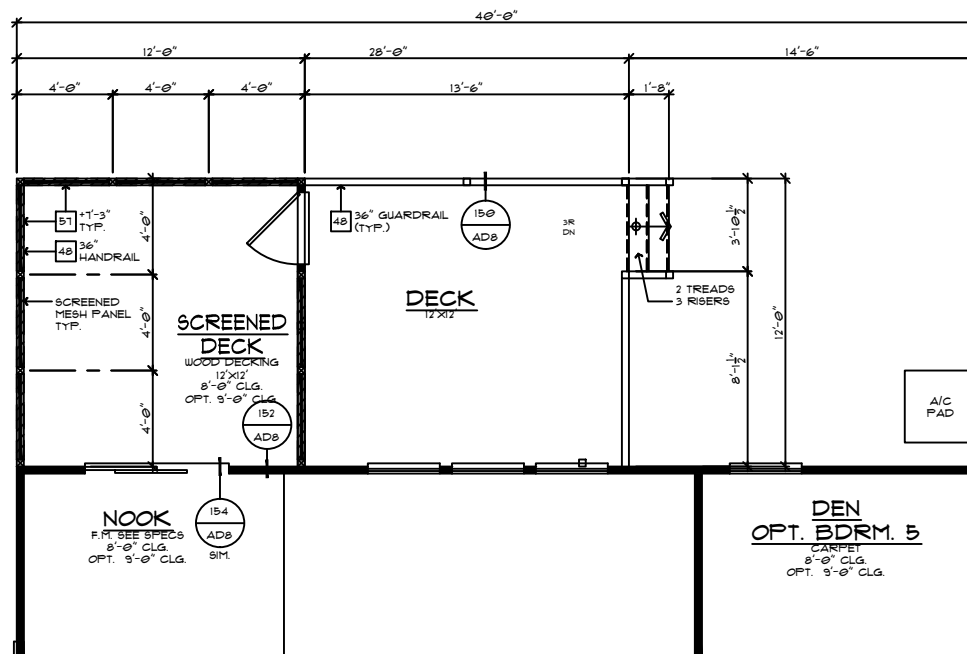


REFER TO SHEET 7.1 FOR NOTES NOT SHOWN HERE



PARTIAL FOUNDATION PLAN

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



PARTIAL FIRST FLOOR PLAN

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

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SPEC LEVEL 1 RALEIGH-DURHAM 40' SERIES

12'x12' SCREENED IN COVERED DECK W/ 12'x13'-6" OPEN DECK

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

BASIC PLAN

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PROJECT No.: 1350999:56
DIVISION MGR.: MCP
REVISIONS: 05/07/19

- 1 DIVISION REVISIONS
NC18024NCP - 06/24/18 - 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. _____	_____
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PLAN:
240.2596-R
SHEET:
7.3

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

#	ELEVATION NOTES
NOTE: NOT ALL KEY NOTES APPLY.	
1.	ROOF MATERIAL - REFER TO ROOF NOTES
2.	2X FASCIA/BARGE BOARD WITH FASCIA CAP
3.	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

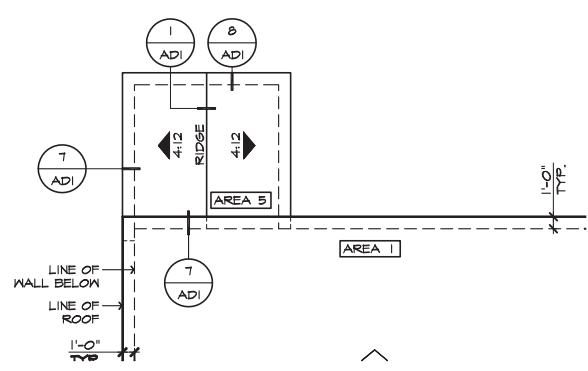
#	PARTIAL PLAN NOTES
NOTE: NOT ALL KEY NOTES APPLY.	
27.	WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE FAN & DRAIN. (REFER TO DETAILS)
28.	WATER HEATER 3" VENT TO OUTSIDE AIR
29.	MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
39.	LINE OF WALL BELOW
41.	LINE OF FLOOR ABOVE
42.	LINE OF FLOOR BELOW
50.	MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS)
51.	LOW WALL - REFER TO PLAN FOR HEIGHT
52.	2x6 STUD WALL
54.	DEL. 2x4 WALL PER PLAN
55.	INTERIOR SHELF - REFER TO PLAN FOR HEIGHT
57.	FLAT SOFFIT
58.	ARCHED SOFFIT
60.	OPT. DOOR/ WINDOW
61.	PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
62.	BRICK / STONE VENEER - REFER TO ELEVATIONS
63.	SECTIONAL GARAGE DOOR PER SPECS
66.	3" DIAM. CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE. (NOT REQUIRED AT ELECTRIC WATER HEATERS OR FOR APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL TRAVEL PATH).
68.	P.T. POST W/ WRAP.
70.	EGRESS WINDOW
75.	WINDOW LEDGE. HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOWS) ON ALL SIDES U.N.O.
76.	SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
77.	CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SIZE

#	FOUNDATION PLAN NOTES
NOTE: NOT ALL KEY NOTES APPLY.	
1.	CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.
2.	CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER 1'-0" MIN. TOWARD DOOR OPENINGS.
3.	FOUNDATION PER STRUCTURAL.
4.	STAIR LANDING. 36"x36" MIN.
5.	CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENING.
6.	PROVIDE UNDER FLOOR VENTILATION
7.	4" TOE KICK FOR MASONRY VENEER.
8.	3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.
9.	REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.
10.	VERIFY LOCATION OF PIER FOOTINGS PER STRUCTURAL
11.	4" MIN. T 3/4" MAX. TO HARD SURFACE.
12.	A/G PAD. VERIFY LOCATION.
13.	CRAWL SPACE ACCESS
14.	36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

NOTE:
REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE

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

ROOF PLAN NOTES	
INDICATES ROOF SLOPE AND DIRECTION, U.N.O.	
ROOF MATERIAL: COMPOSITION SHINGLE	
12" (INCHES) TYPICAL ROOF OVERHANGS AT RAKE, U.N.O.	
12" (INCHES) TYPICAL ROOF OVERHANGS AT EAVE, U.N.O.	
LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.	
ATTIC VENT CALCULATIONS	
PROVIDE 1 SQ. IN. OF VENTILATION PER 500 SQ. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC. (HIGH VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS. (LOW VENTING) (2018 NC-R 906.2)	
* CALCULATION BY 1/50. HIGH/LOW VENTING NOT REQUIRED.	
APPROXIMATE RIDGE VENT LOCATIONS SHOWN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.	
AREA 5 / OPTIONAL 12"x12" SCREENED DECK	
VENTILATION REQUIRED:	* 144 SQ. FT. / 150 = 0.96 SQ. FT.
ATTIC AREA	X 144 = 138.24 SQ. IN.
VENTILATION PROVIDED:	
(4) LIN. FEET OF RIDGE VENT AT (18 SQ. IN./FOOT) =	72 SQ. IN.
(24) LIN. FEET OF VENTILATED SOFFIT (5 SQ. IN./FOOT) =	120 SQ. IN.
TOTAL VENTILATION PROVIDED:	192 SQ. IN.

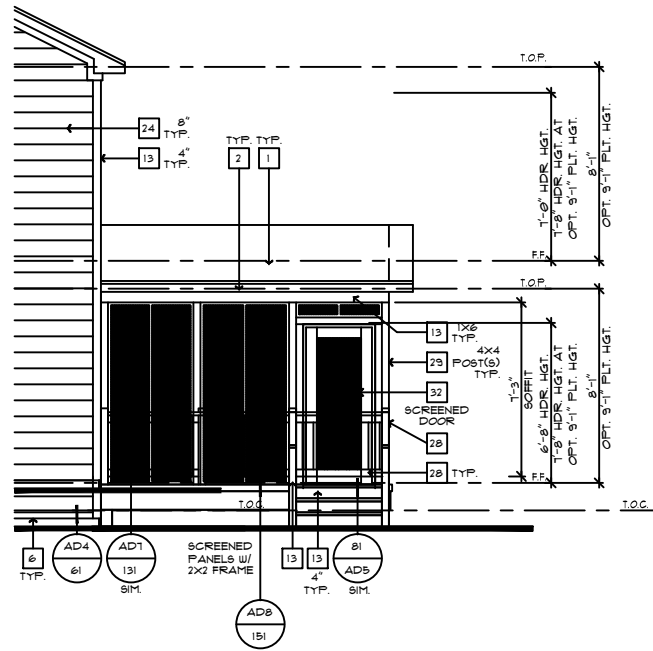


PARTIAL ROOF PLAN
SCALE 1/8"=1'-0" (22"x34") - 1/16"=1'-0" (11"x17")

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REFER TO SHEET 7.3
FOR NOTES NOT SHOWN
HERE



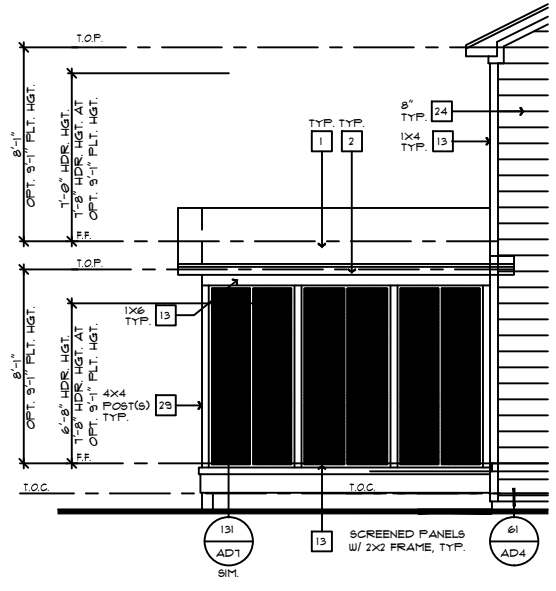
PARTIAL
RIGHT ELEVATION

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



PARTIAL REAR ELEVATION

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



PARTIAL
LEFT ELEVATION

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

12'x12' SCREENED IN COVERED DECK W/ 12'x13'-6" OPEN DECK

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.
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Durham, NC 27703
TEL: (919) 768-7980
FAX: (919) 544-2928

2018 NORTH
CAROLINA
STATE
BUILDING CODE

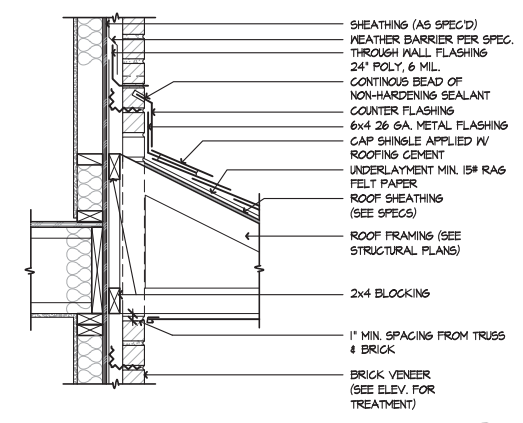
- ISSUE DATE: 06/02/15
- PROJECT No.: 1350999:56
- DIVISION MGR.: MP
- REVISIONS: 05/07/19
- 1 DIVISION REVISIONS
NC18024NCP-08/24/18 CTD
- 2 2018 CODE UPDATE
NC19016NCP-03/15/19 CTD
- 3 DIVISION REVISION
NC19017NCP-04/01/19 CTD
- 4 FRAMEWALK REVISIONS
NC19033NCP-05/07/19 CTD
- 5 DEVISION REVISIONS
NC20012NCP-01/29/20 KBA
- 6 DEVISION REVISIONS
NC20017NCP-03/04/20 KBA
- 7 DEVISION REVISIONS
NC20023NCP-05/07/20 KBA

PLAN:
240.2596 - R

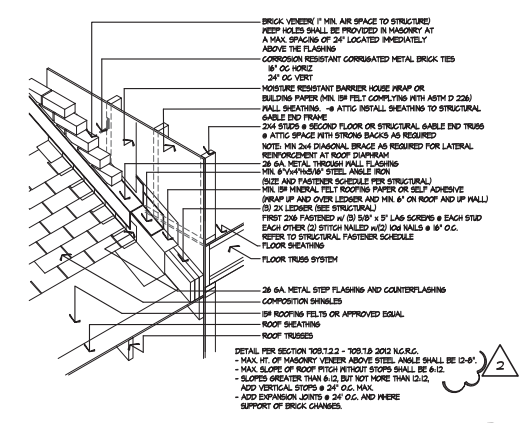
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SPEC LEVEL 1
RALEIGH-DURHAM
40' SERIES

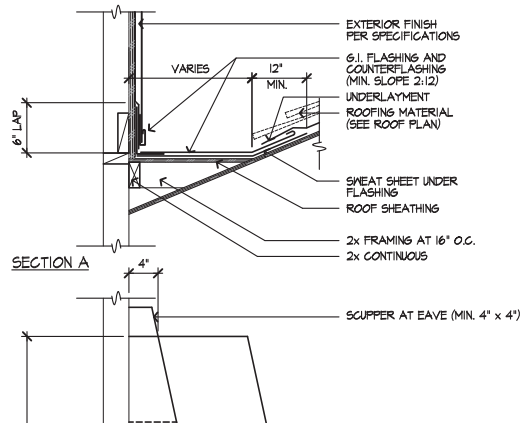
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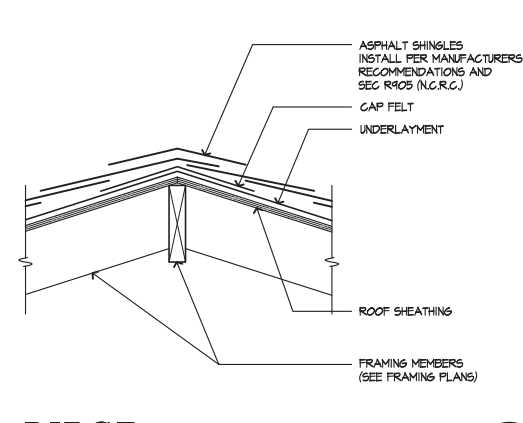
BRICK THROUGH ROOF
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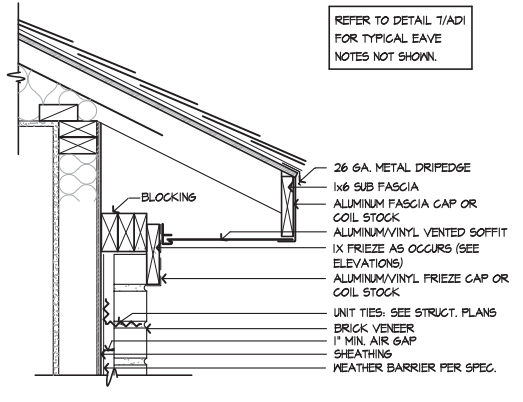
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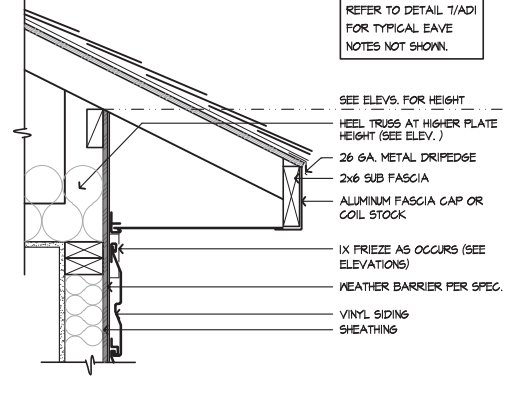
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SE-05091a



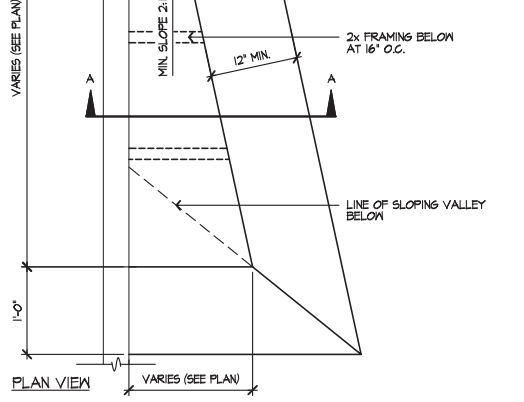
RIDGE
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SE-01001a



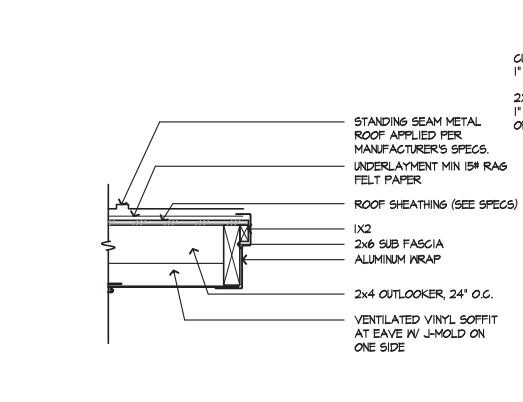
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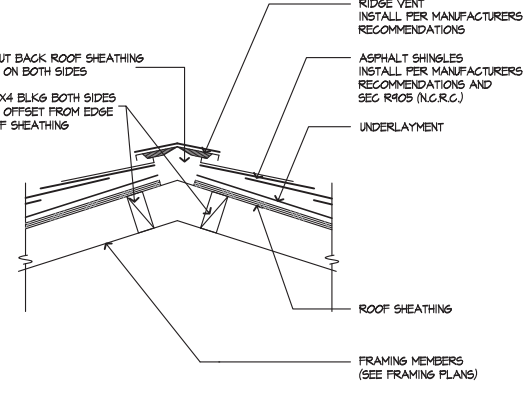
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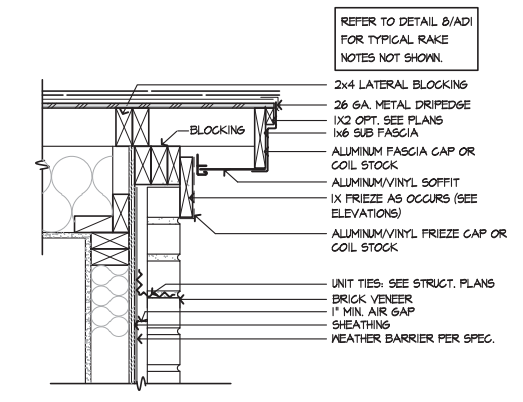
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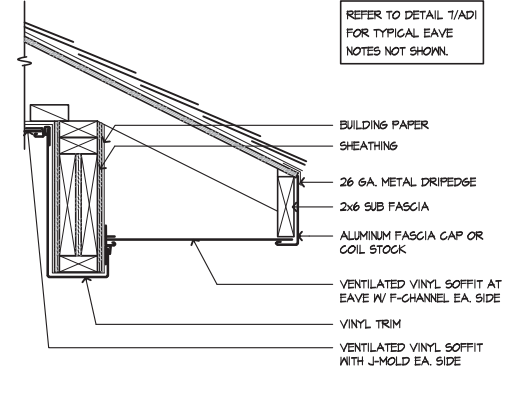
RAKE @ METAL ROOF
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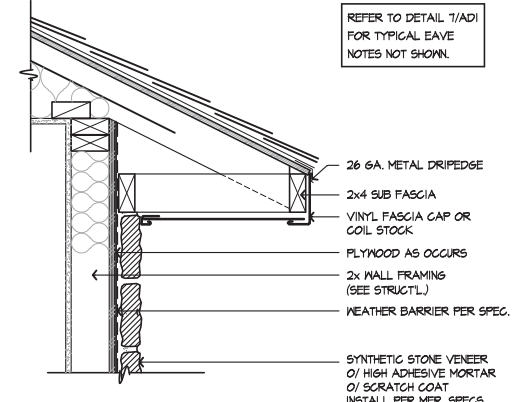
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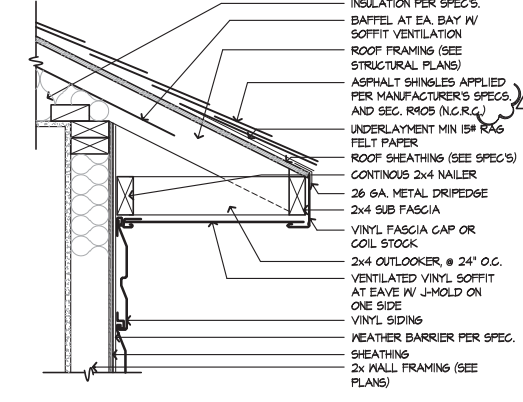
RAKE - BRICK
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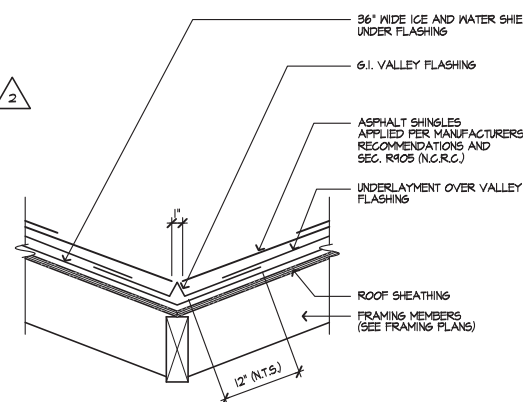
SOFFIT @ PATIO - VINYL
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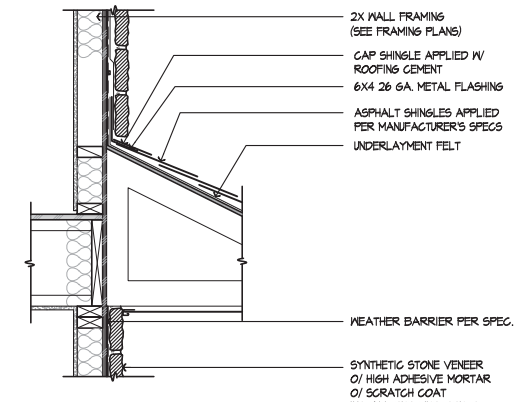
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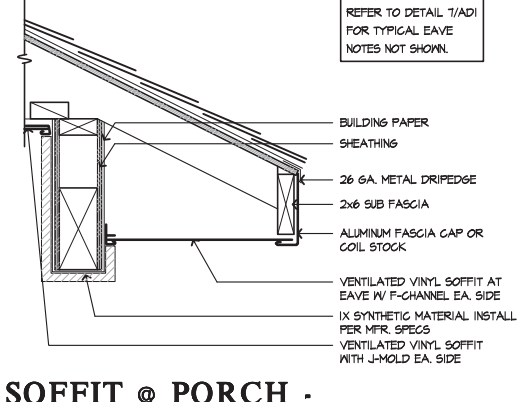
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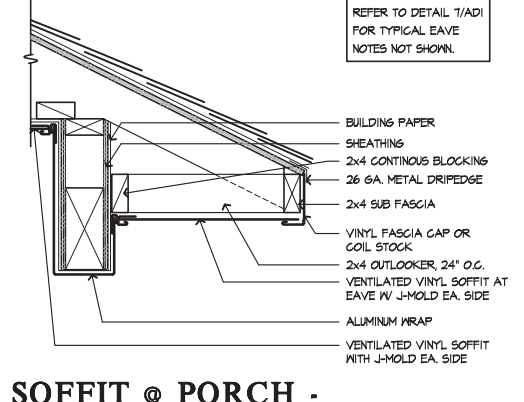
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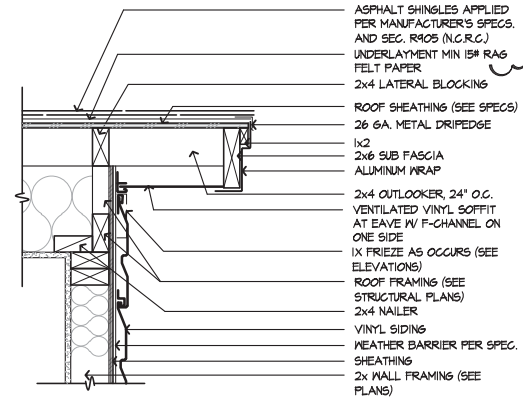
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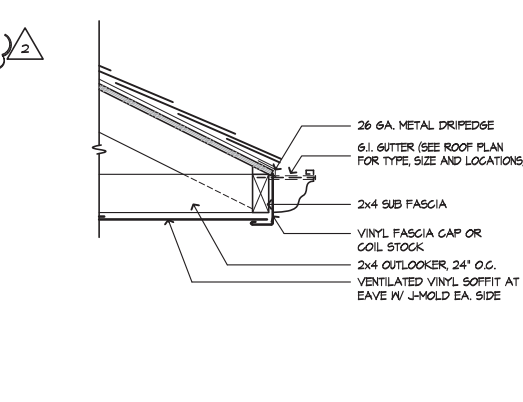
SOFFIT @ PORCH - SYNTHETIC MATERIAL
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SE-01016a



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

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

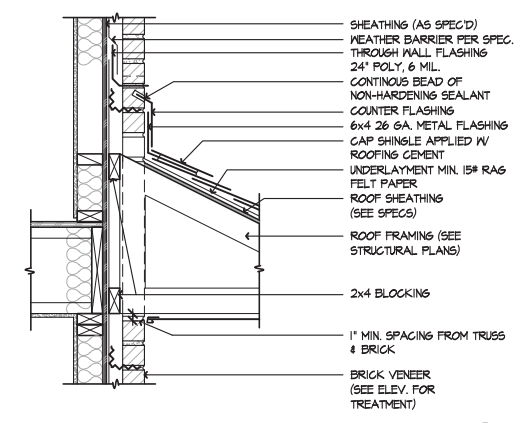
- 1 COMPLIANCE REVIEW
NC12008 - 02/28/12 - CTD
- 2 2012 NC CODE UPDATE
NC12016 - 03/22/12 - CTD
- 3 DETAIL UPDATES
NC15053 - 11/3/15 - DCS
- 4 2018 NC CODE UPDATE
NC19015 - 01/24/19 - MCP

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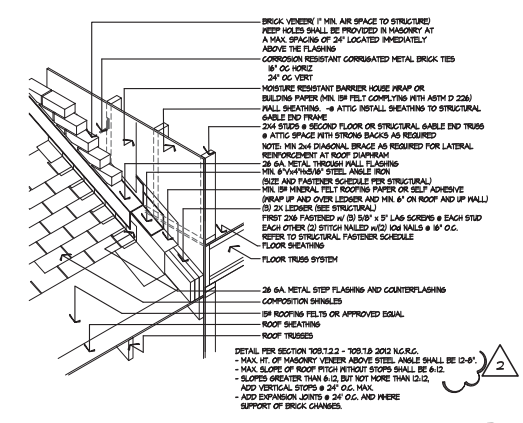
REVIEWED BY:	
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PLAN: ALL
SHEET: AD1

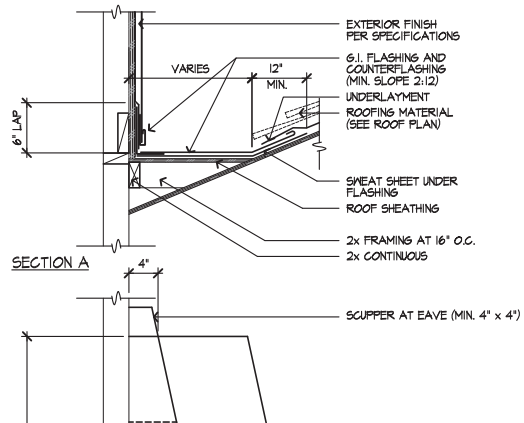
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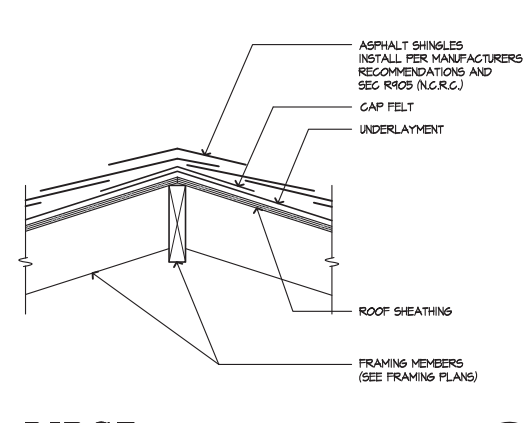
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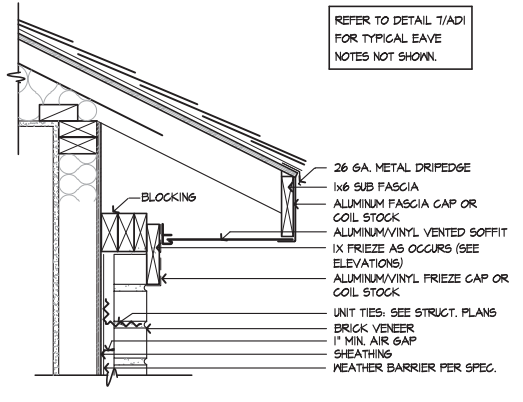
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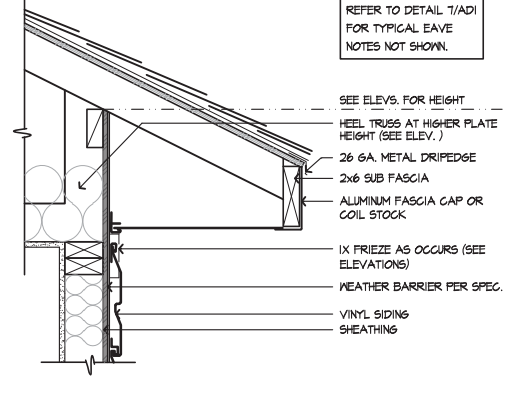
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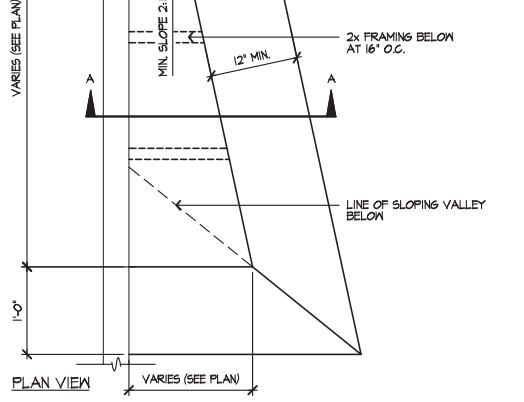
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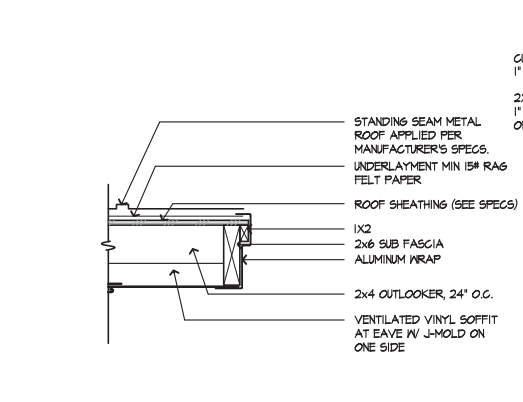
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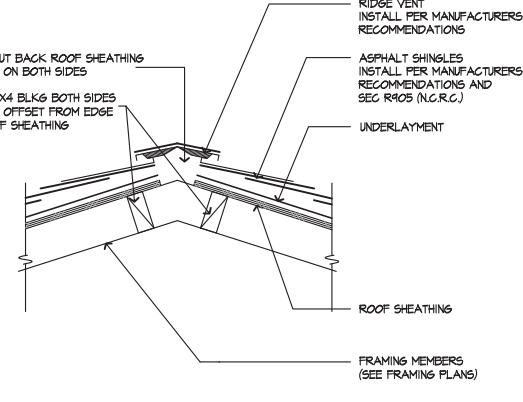
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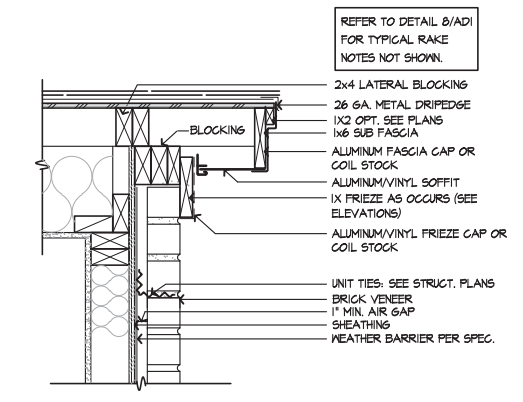
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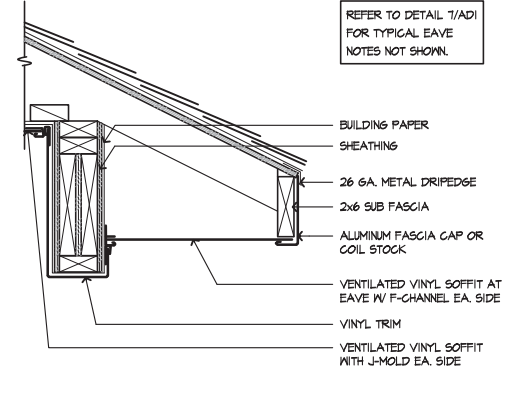
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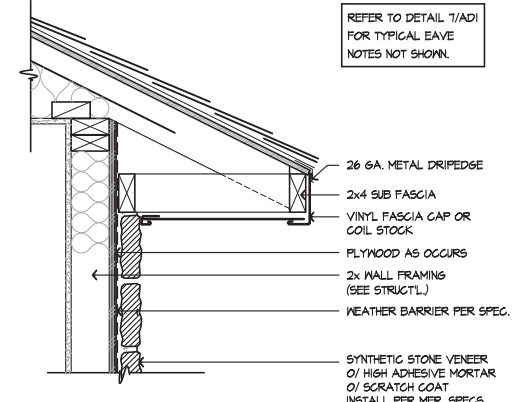
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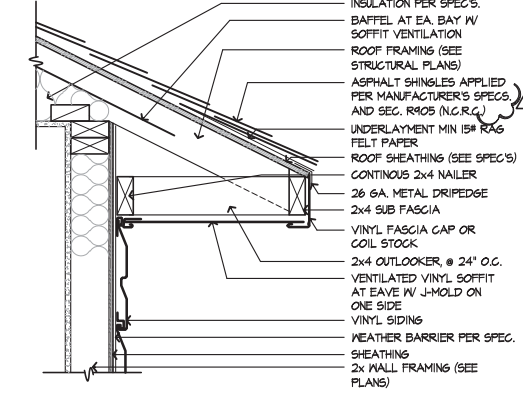
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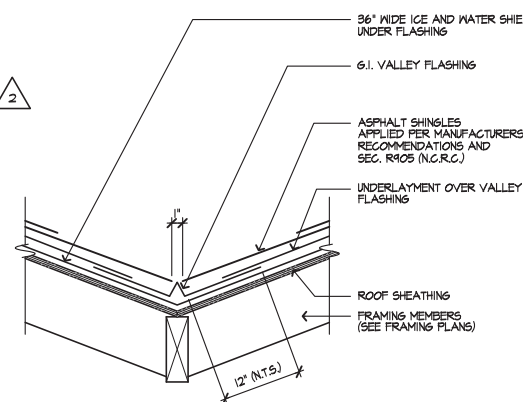
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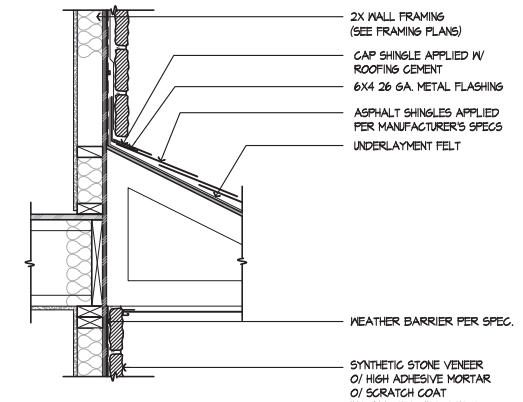
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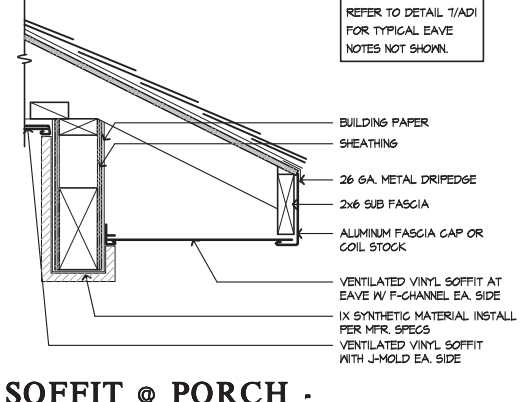
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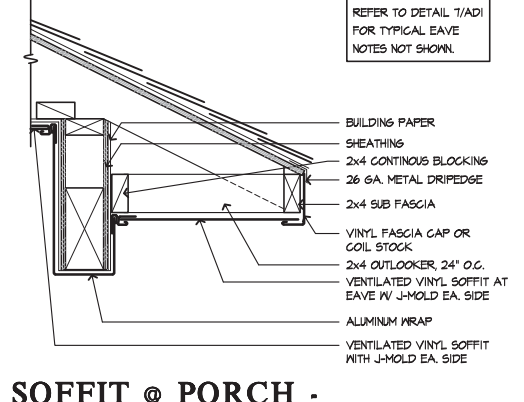
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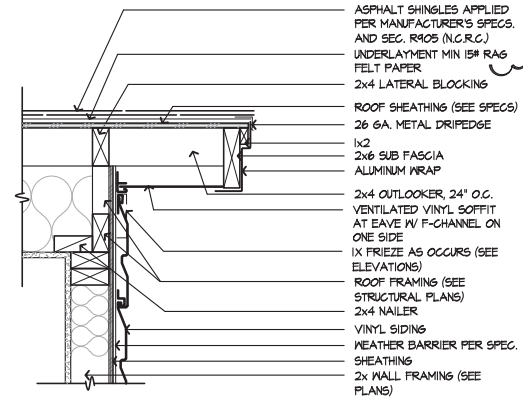
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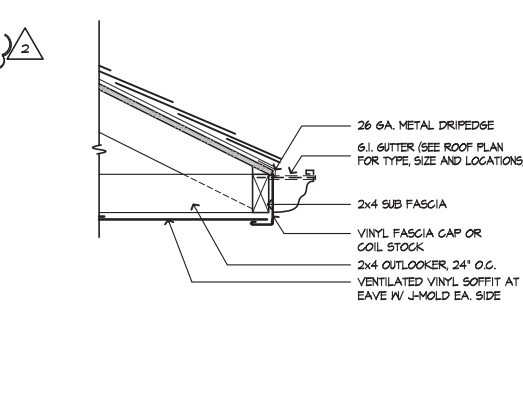
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SOFFIT @ PORCH - ALUMINUM
SCALE 1/2"=1'-0"
SE-01016a



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



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

DETAILS

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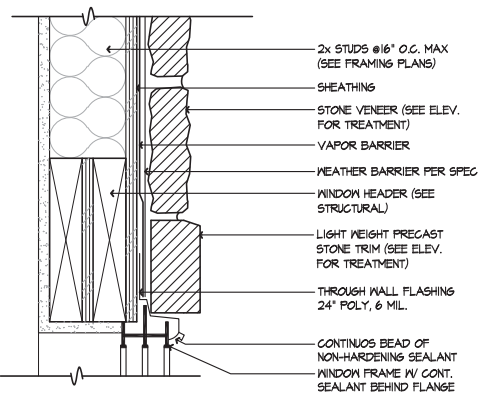
ISSUE DATE: 09/28/11
PROJECT No.: 1350
DIVISION MGR.: K.W.
REVISIONS: 01/24/19

- 1 COMPLIANCE REVIEW
NC12008 - 02/28/12 - CTD
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NC12016 - 03/22/12 - CTD
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NC15003 - 11/3/15 - DC3
- 4 2018 NC CODE UPDATE
NC19015 - 01/24/19 - MCP

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PLAN: ALL
SHEET: AD1

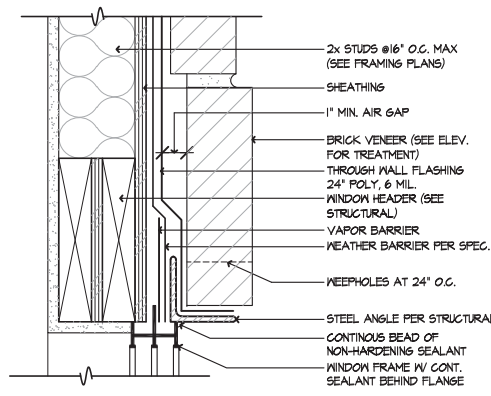


WINDOW HEAD - STONE

SCALE 3/8"=1'-0"

SE-02036a

37

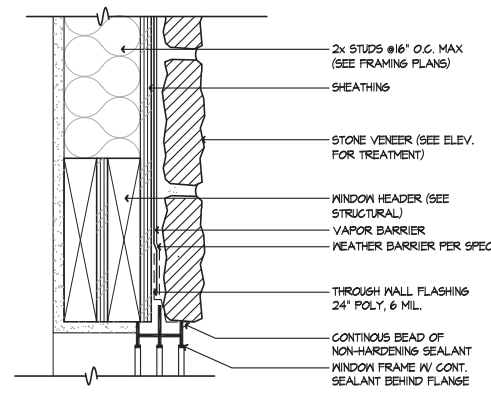


WINDOW HEAD - BRICK

SCALE 3/8"=1'-0"

SE-02036a

33

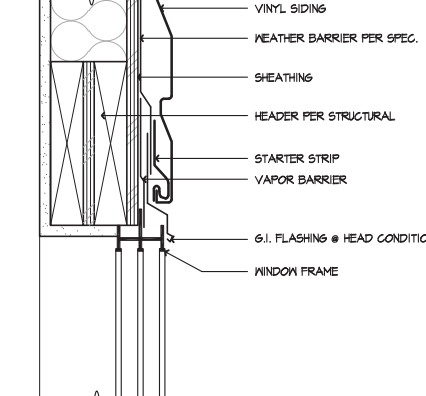


WINDOW HEAD - STONE

SCALE 3/8"=1'-0"

SE-02029a

29



WINDOW HEAD - VINYL

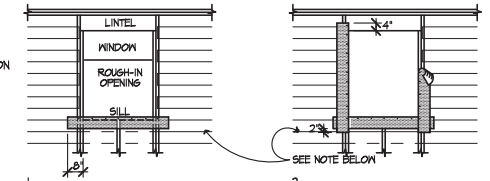
SCALE 3/8"=1'-0"

SE-02025a

25

WINDOW FLASHING

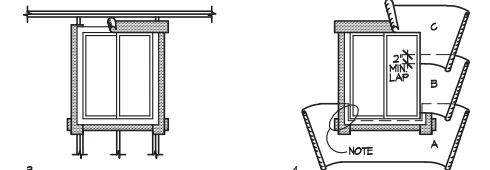
EXTERIOR OPENINGS EXPOSED TO THE WEATHER SHALL BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WATERPROOF.



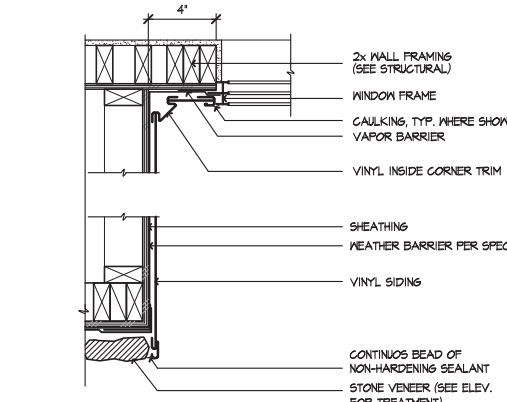
1. ATTACH SILL STRIP WITH TOP EDGE LEVEL WITH ROUGH SILL - EXTEND BEYOND EDGE OF ROUGH OPENING AT LEAST 6\"/>
2. ATTACH JAMB STRIP WITH SIDE EDGE EVEN WITH ROUGH-JAMB FRAMING. START STRIP 1\"/>

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.

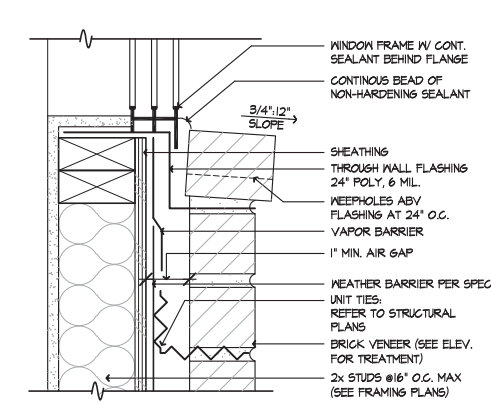


RECESSED WINDOW JAMB - STONE

SCALE 1/2"=1'-0"

SE-02038a

38

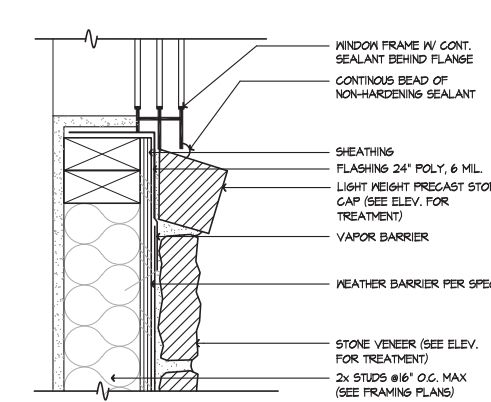


WINDOW SILL - BRICK

SCALE 3/8"=1'-0"

SE-02034a

34

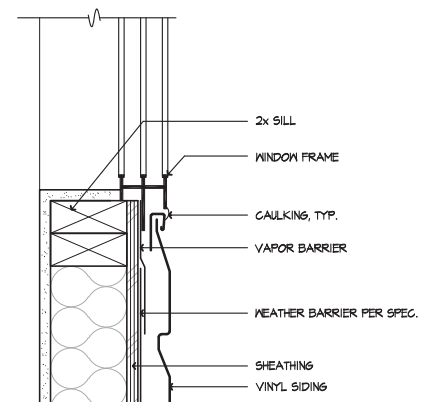


WINDOW SILL - STONE

SCALE 3/8"=1'-0"

SE-02030a

30



WINDOW SILL - VINYL

SCALE 3/8"=1'-0"

SE-02026a

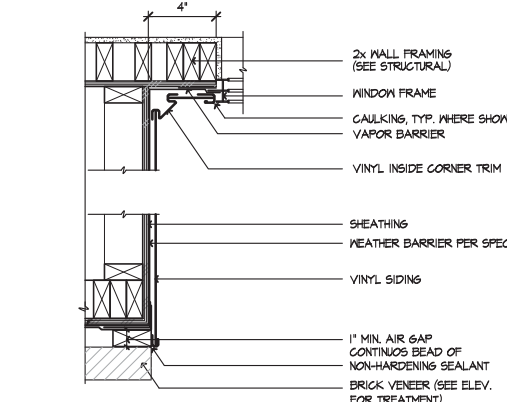
26

VAPOR BARRIER

SCALE 1/4"=1'-0"

SE-02022a

22

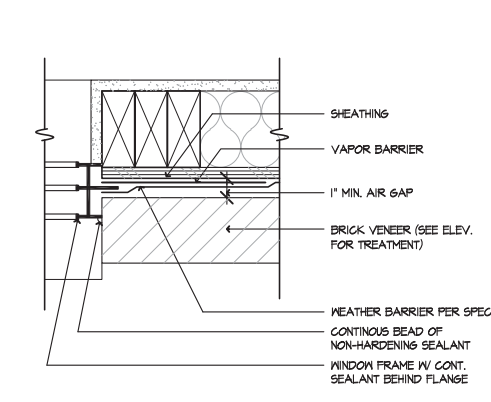


RECESSED WINDOW JAMB - BRICK

SCALE 1/2"=1'-0"

SE-02039a

39

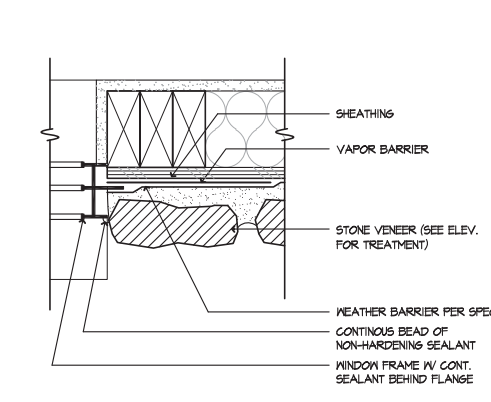


WINDOW JAMB - BRICK

SCALE 3/8"=1'-0"

SE-02035a

35

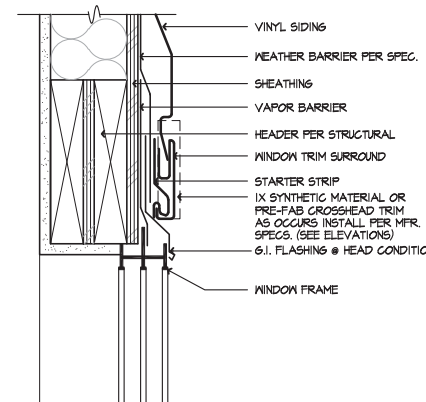


WINDOW JAMB - STONE

SCALE 3/8"=1'-0"

SE-02031a

31



WINDOW HEAD - VINYL

SCALE 3/8"=1'-0"

SE-02027a

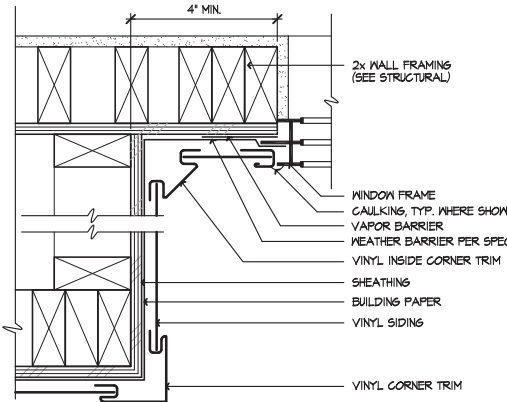
27

WINDOW JAMB - VINYL

SCALE 3/8"=1'-0"

SE-02028a

23

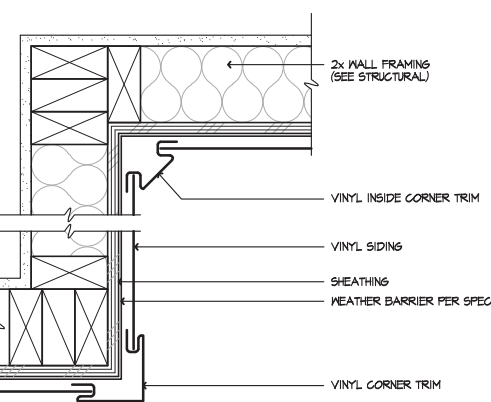


RECESSED WINDOW JAMB - VINYL

SCALE 3/8"=1'-0"

SE-02040a

40

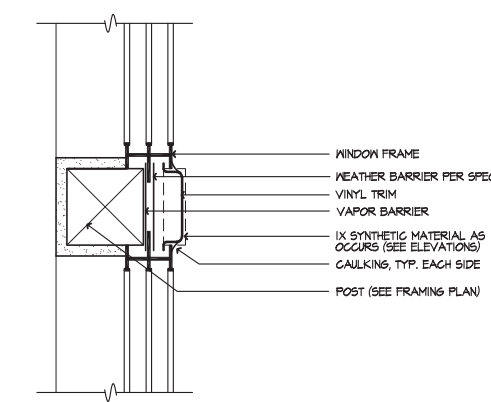


CORNER TRIM - VINYL

SCALE 3/8"=1'-0"

SE-02037a

36

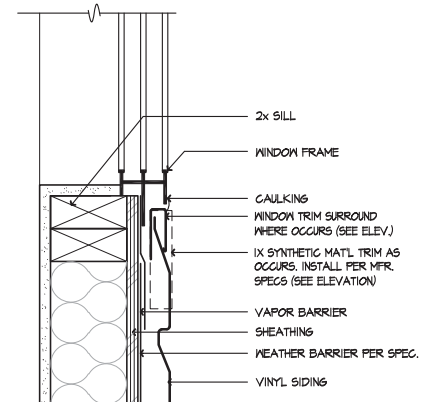


VERT. WDW. MULL.-VINYL

SCALE 3/8"=1'-0"

SE-02032a

32

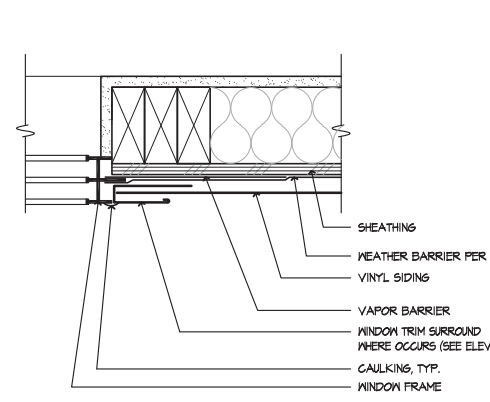


WINDOW SILL - VINYL

SCALE 3/8"=1'-0"

SE-02028a

28



WINDOW JAMB - VINYL

SCALE 3/8"=1'-0"

SE-02024a

24



DETAILS

KB HOME
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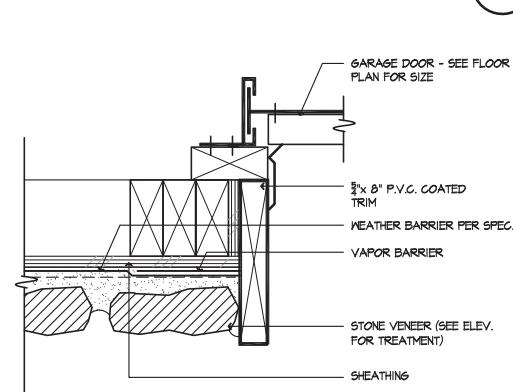
REVIEWED BY:	
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PLAN: ALL
SHEET: AD2

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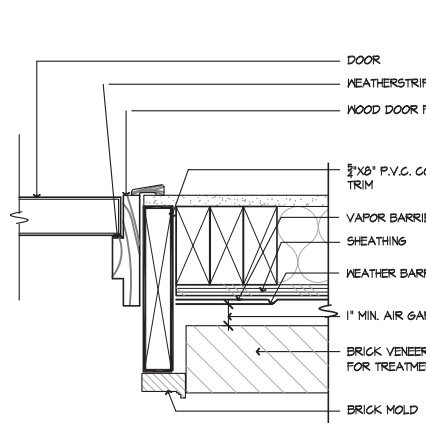
GARAGE DOOR HEAD - STONE

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



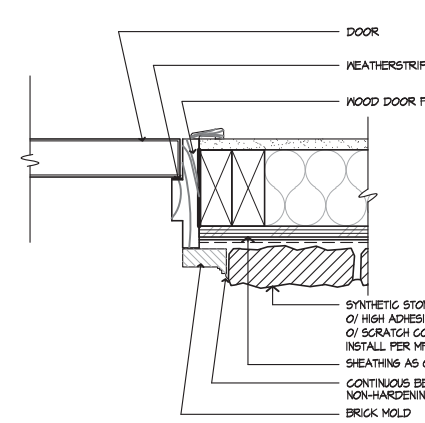
DOOR HEAD - BRICK

SCALE 3/4"=1'-0" SE-03058a



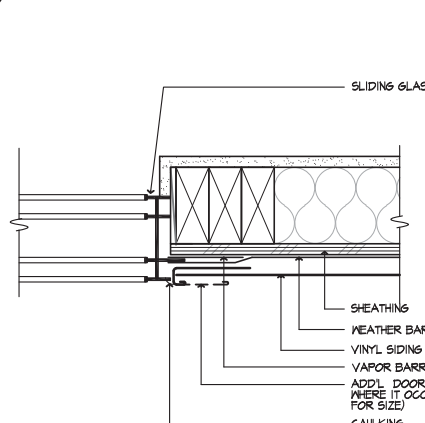
DOOR HEAD - STONE

SCALE 3/4"=1'-0" SE-03049a



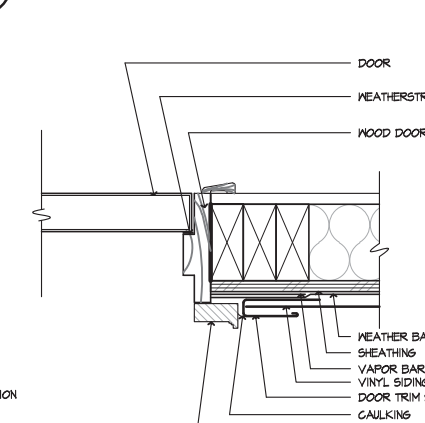
SLD.G. DOOR HEAD-VINYL

SCALE 3/4"=1'-0" SE-03045a



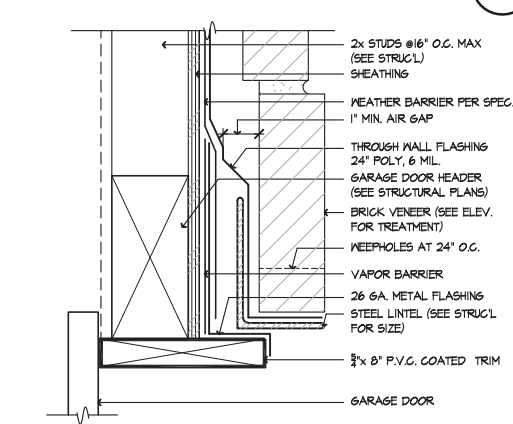
DOOR HEAD - VINYL

SCALE 3/4"=1'-0" SE-03041b



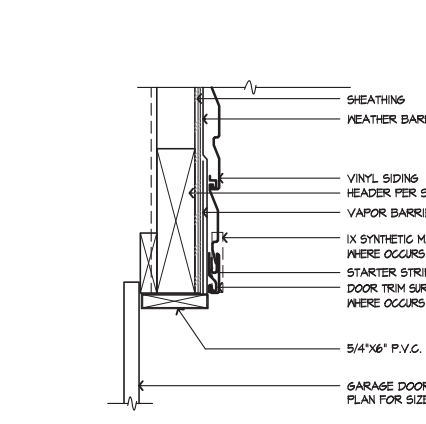
GARAGE DOOR JAMB - STONE

SCALE 3/4"=1'-0" SE-03058b



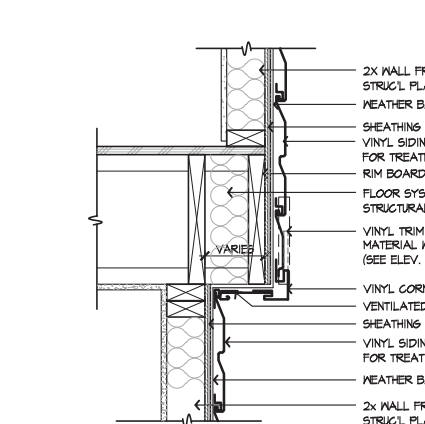
DOOR JAMB - BRICK

SCALE 3/4"=1'-0" SE-03054a



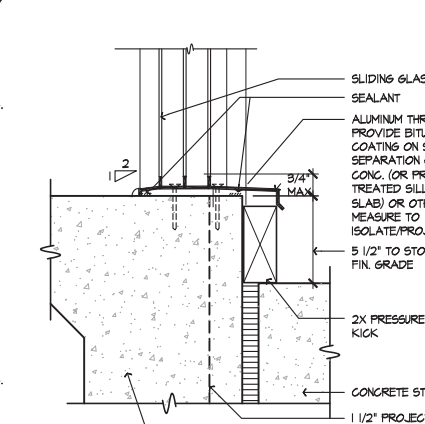
DOOR JAMB - STONE

SCALE 3/4"=1'-0" SE-03059a



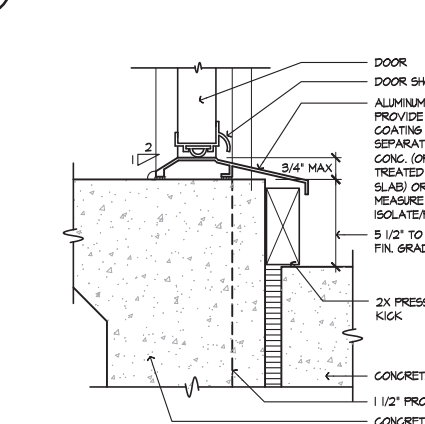
SLD.G. DOOR JAMB-VINYL

SCALE 3/4"=1'-0" SE-03046a



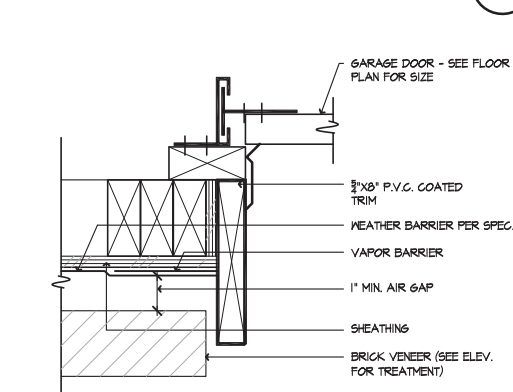
DOOR JAMB - VINYL

SCALE 3/4"=1'-0" SE-03042b



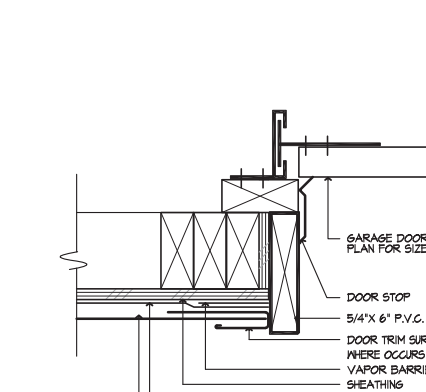
GARAGE DOOR HEAD - BRICK

SCALE 3/4"=1'-0" SE-03058a



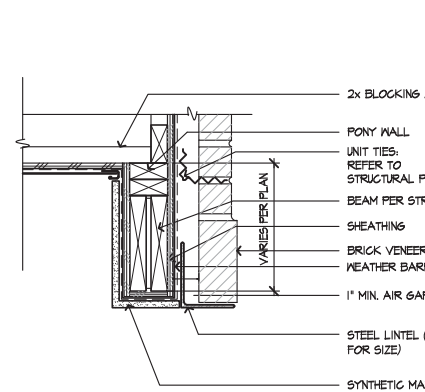
GARAGE DOOR HEAD - VINYL

SCALE 1/2"=1'-0" SE-03055a



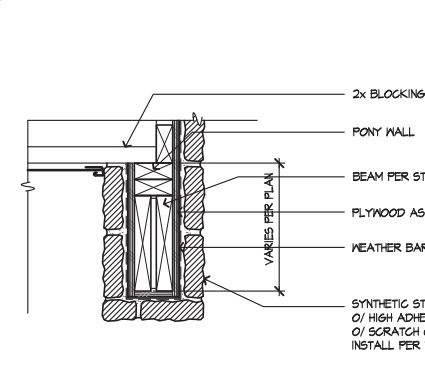
CANTILEVER

SCALE 1/2"=1'-0" SE-03051a



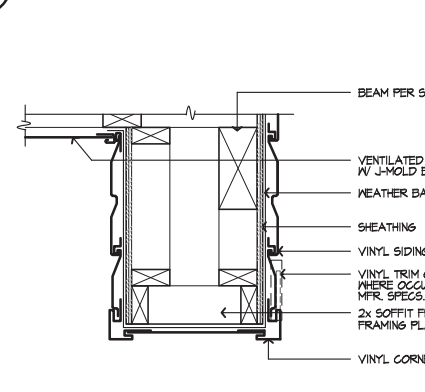
SLD.G. DOOR THRESHOLD

SCALE 3/4"=1'-0" SE-03047a



SWING DOOR THRESHOLD

SCALE 3/4"=1'-0" SE-03043a



GARAGE DOOR JAMB - BRICK

SCALE 3/4"=1'-0" SE-03060a



GARAGE DOOR JAMB - VINYL

SCALE 3/4"=1'-0" SE-03056b



SOFFIT @ PORCH - BRICK

SCALE 1/2"=1'-0" SE-03052c



SOFFIT @ PORCH - STONE

SCALE 1/2"=1'-0" RA-01026a



SOFFIT @ PORCH - VINYL

SCALE 1/2"=1'-0" SE-03044a



DETAILS

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PLAN: ALL
SHEET: AD3

DETAILS

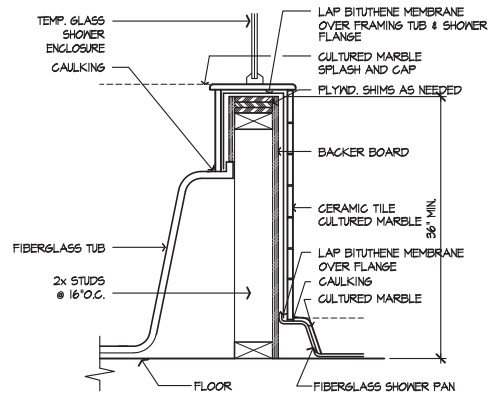
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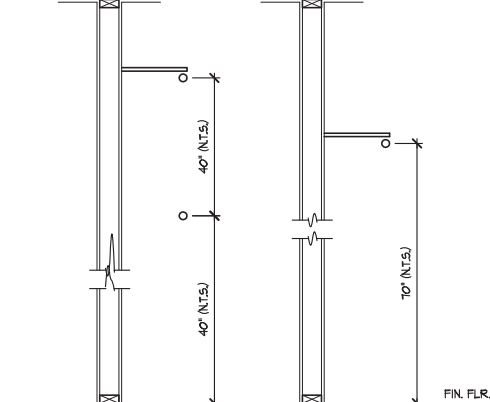
- 1 COMPLIANCE REVIEW
NC12008 - 02/28/12 - CTD
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NC12016 - 03/22/12 - CTD
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NC15953 - 11/15 - DCS
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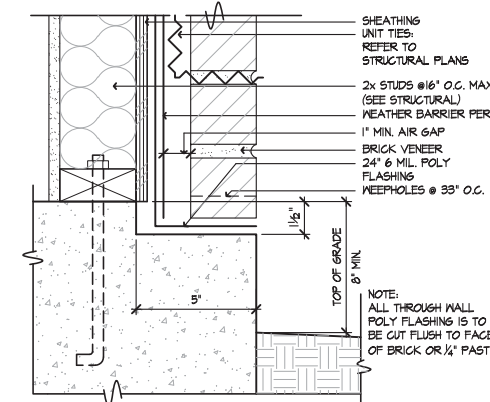
PLAN: **ALL**
SHEET: **AD4**



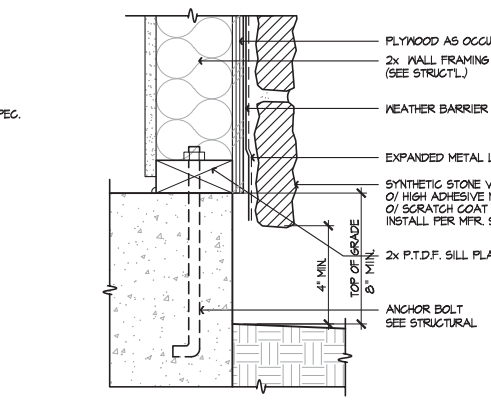
TUB/SHOWER WALL
SCALE 1/2"=1'-0"
SE-04071a



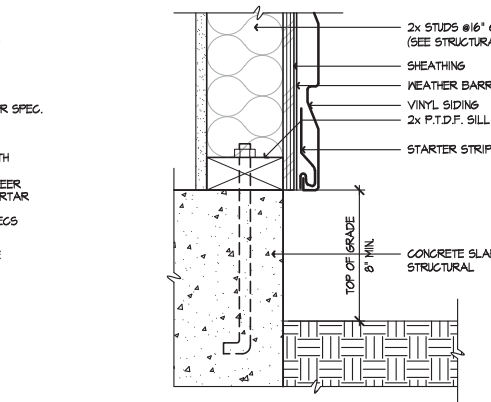
DBL./SGL. POLE & SHELF
SCALE 3/4"=1'-0"
SE-04073a



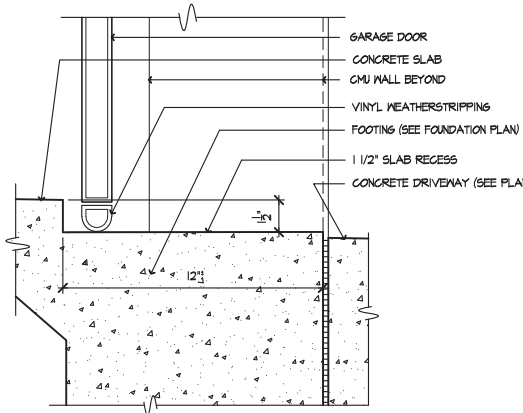
BRICK LEDGE AT SLAB
SCALE 3/4"=1'-0"
SE-04069a



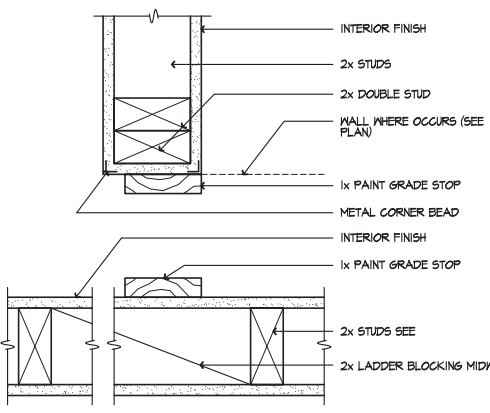
SYN. STONE SCREED
SCALE 3/4"=1'-0"
SE-04065a



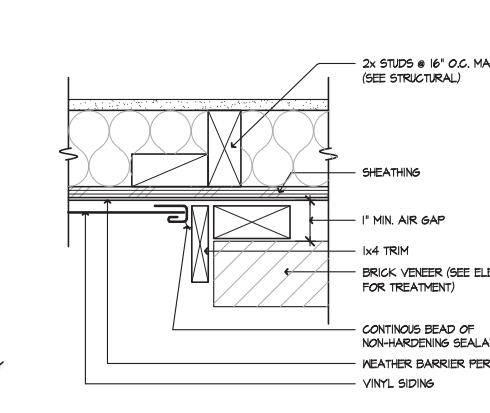
VINYL SIDING AT SLAB
SCALE 3/4"=1'-0"
SE-04061a



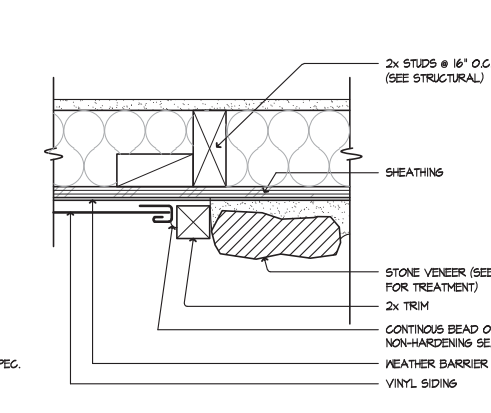
GARAGE SLAB RECESS
SCALE 1/2"=1'-0"
0810-01



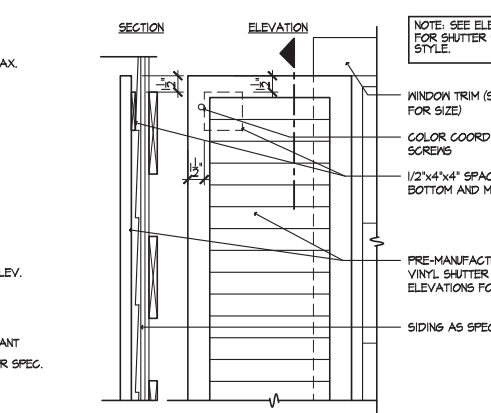
WARDROBE DOOR JAMB
SCALE 3/4"=1'-0"
SE-04074a



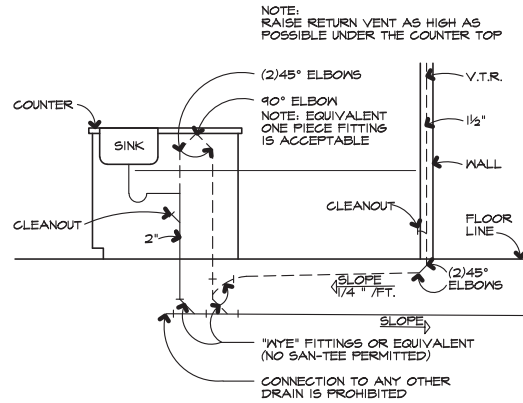
VINYL SIDING TO BRICK
SCALE 3/4"=1'-0"
SE-04070a



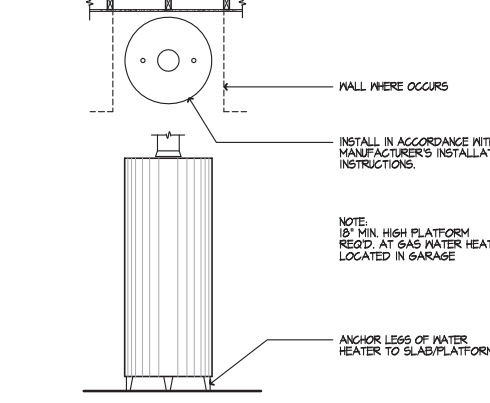
VINYL SIDING TO STONE
SCALE 3/4"=1'-0"
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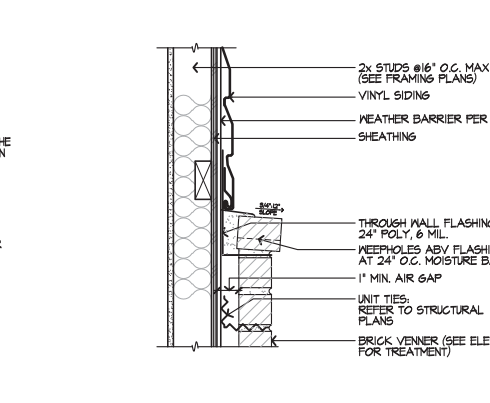
WINDOW SHUTTER
SCALE 1/2"=1'-0"
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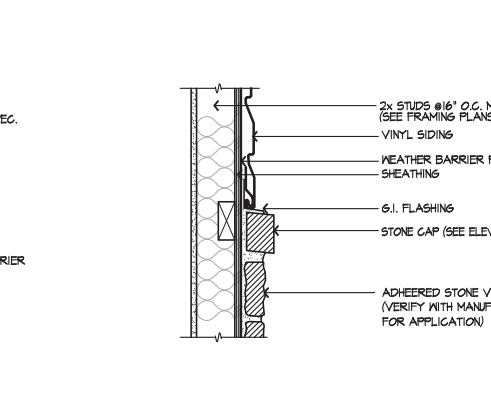
KITCHEN ISLAND
SCALE 1/2"=1'-0"
SE-04079a



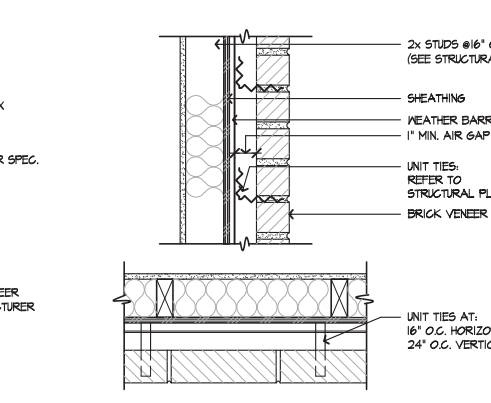
WATER HEATER
SCALE 1/2"=1'-0"
SE-04075a



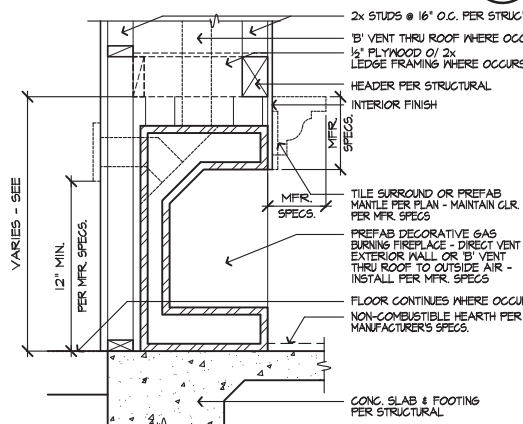
BRICK CAP @ VINYL
SCALE 1/2"=1'-0"
SE-04071a



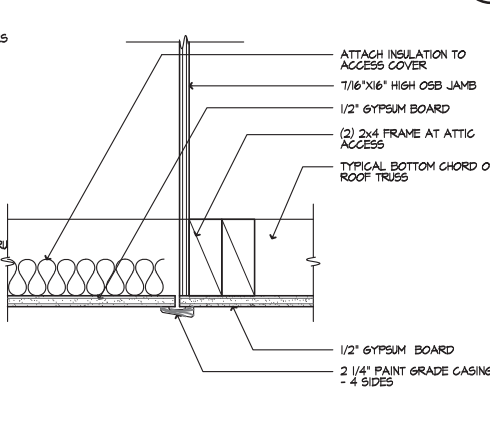
STONE CAP @ VINYL
SCALE 1/2"=1'-0"
SE-04067a



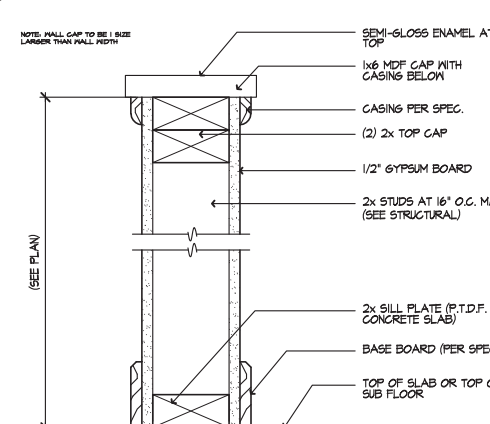
BRICK TIES
SCALE 1/2"=1'-0"
SE-04063a



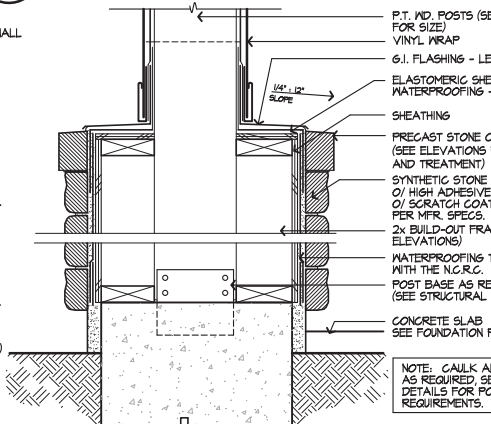
DECORATIVE GAS APPLIANCE
SCALE 1"=1'-0"
SE-04080a



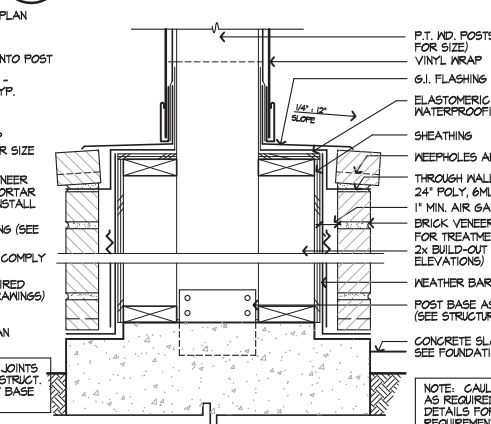
ATTIC ACCESS
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SE-04076a



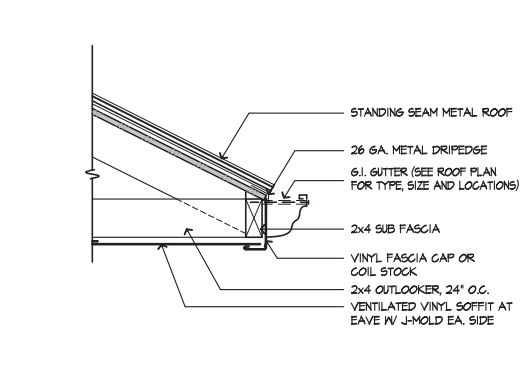
PONY WALL
SCALE 3/4"=1'-0"
SE-04072a



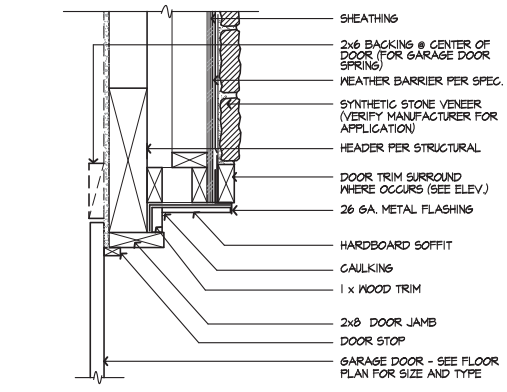
COLUMN BASE W/ STONE
SCALE 1/2"=1'-0"
SE-04068a



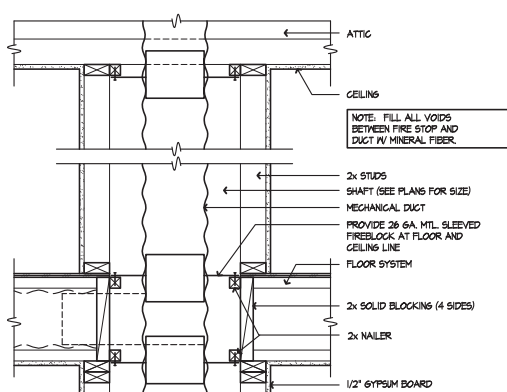
COLUMN BASE W/ BRICK
SCALE 1/2"=1'-0"
SE-04064a



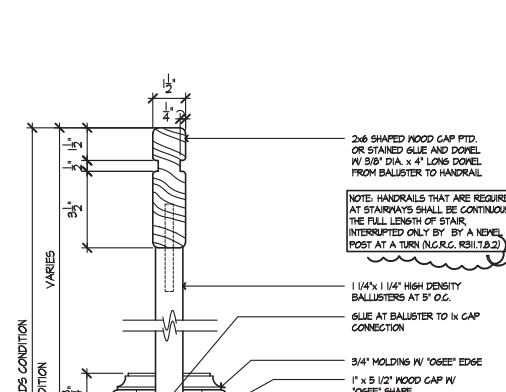
EAVE @ METAL ROOF
SCALE 1/2"=1'-0"
SE-05041a



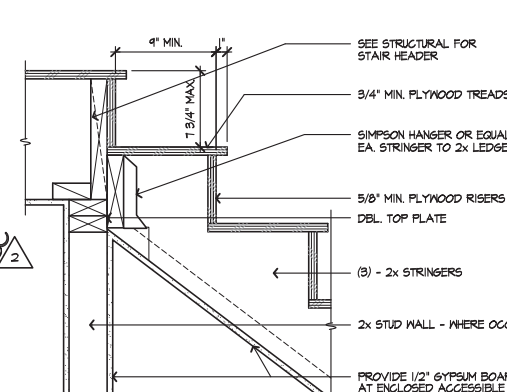
GARAGE DOOR HEAD - STONE
SCALE 1/2"=1'-0"
SE-05043a



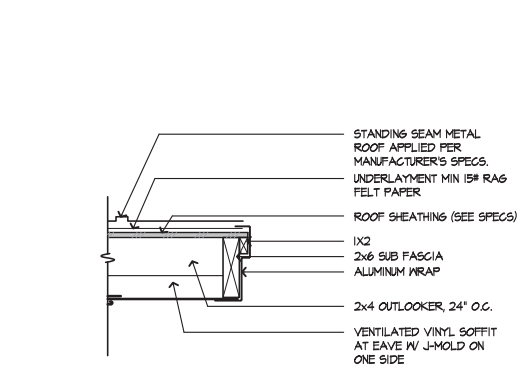
TYP. SHAFT AT 2nd FLR.
SCALE 1"=1'-0"
SE-05084a



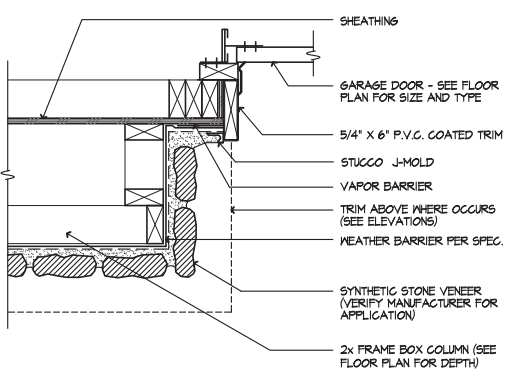
GUARDRAIL
SCALE 3/4"=1'-0"
SE-05086a



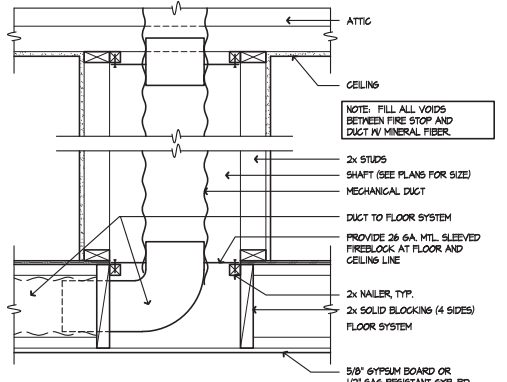
STAIR AT LANDING
SCALE 1/2"=1'-0"
SE-05089a



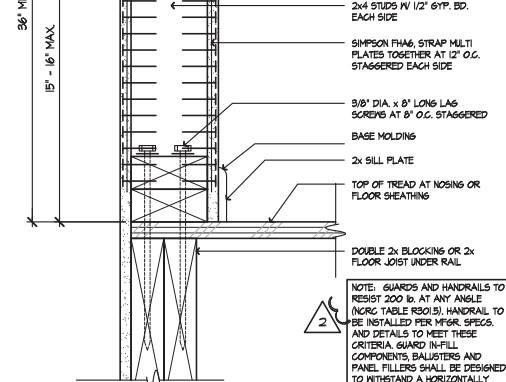
RAKE @ METAL ROOF
SCALE 1/2"=1'-0"
SE-05048a



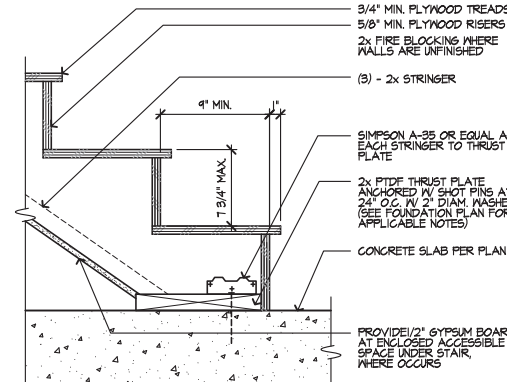
GARAGE DOOR JAMB - STONE
SCALE 1/2"=1'-0"
SE-05044a



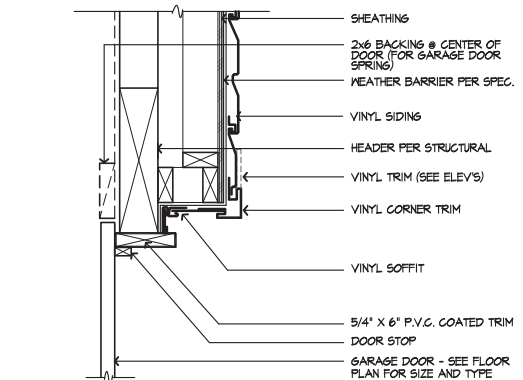
TYP. SHAFT AT 2nd FLR.
SCALE 1"=1'-0"
SE-05090a



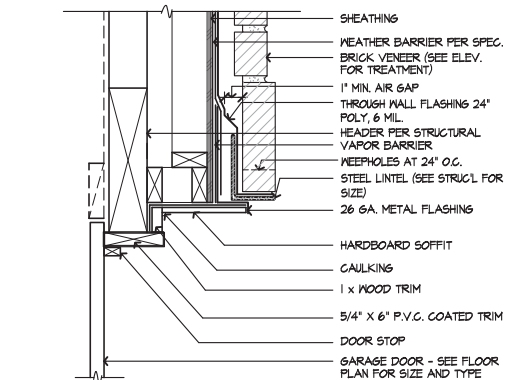
GUARDRAIL
SCALE 3/4"=1'-0"
SE-05086a



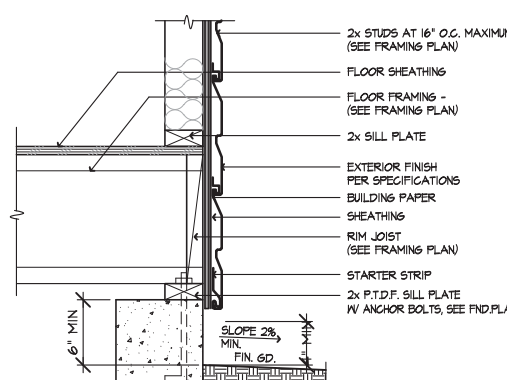
STAIR AT CONC. FLOOR
SCALE 1/2"=1'-0"
SE-05082a



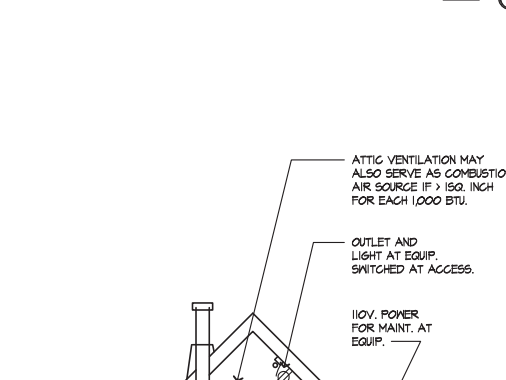
GARAGE DOOR HEAD - VINYL
SCALE 1/2"=1'-0"
SE-05049a



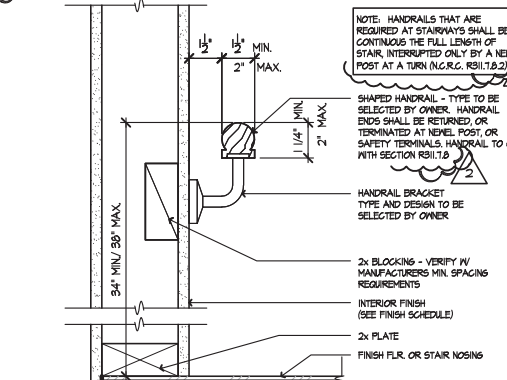
GARAGE DOOR JAMB - BRICK
SCALE 1/2"=1'-0"
SE-05045a



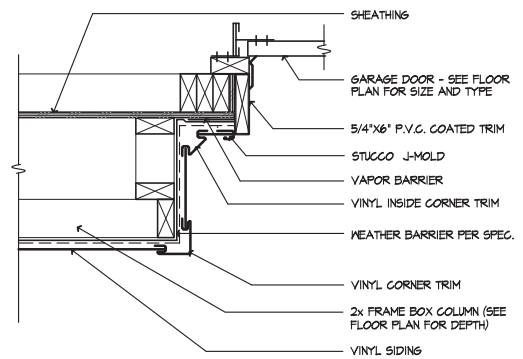
SIDING AT RAISED FLOOR
SCALE 1/2"=1'-0"
AD5-41B



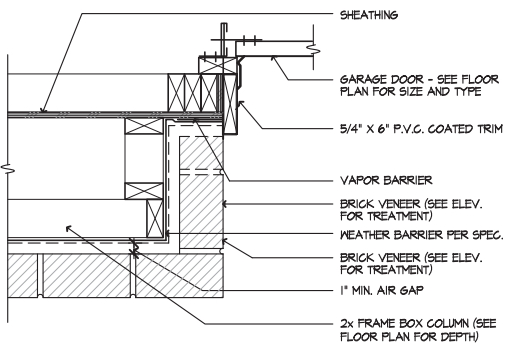
HANDRAIL AT WALL
SCALE 3/4"=1'-0"
SE-05083a



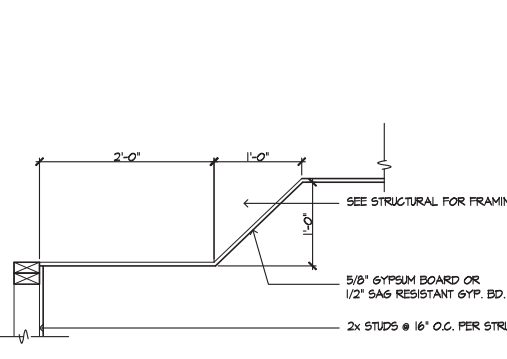
GUARDWALL
SCALE 3/4"=1'-0"
SE-05088a



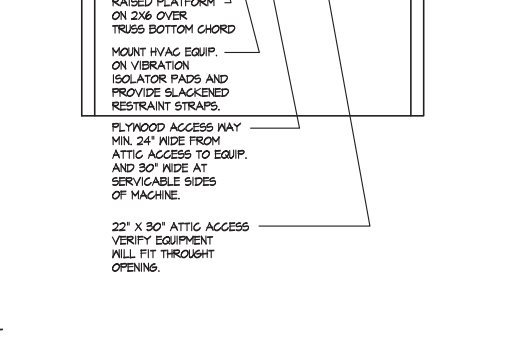
GARAGE DOOR HEAD - VINYL
SCALE 1/2"=1'-0"
SE-05049a



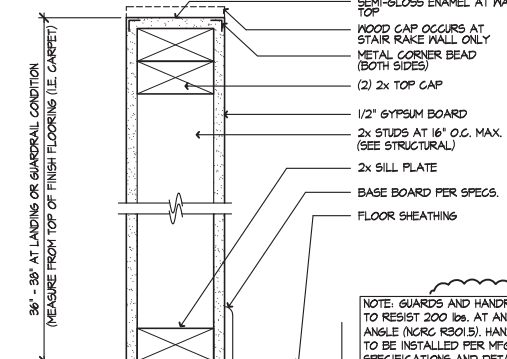
GARAGE DOOR JAMB - BRICK
SCALE 1/2"=1'-0"
SE-05046a



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.
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
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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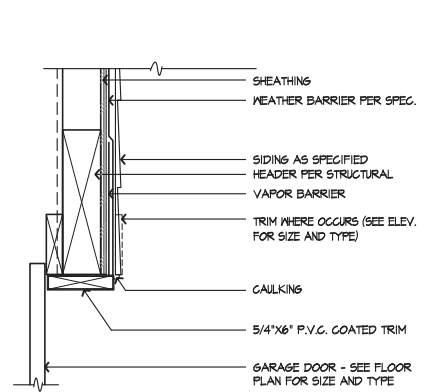
REVISION BY:	DATE	DESCRIPTION
1		
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3		
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6		

PLAN: ALL
SHEET: AD5



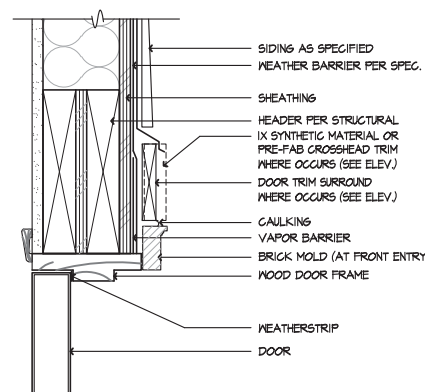
GARAGE DOOR HEAD - SIDING

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



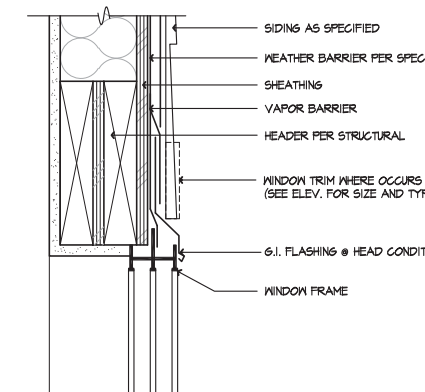
DOOR HEAD - SIDING

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



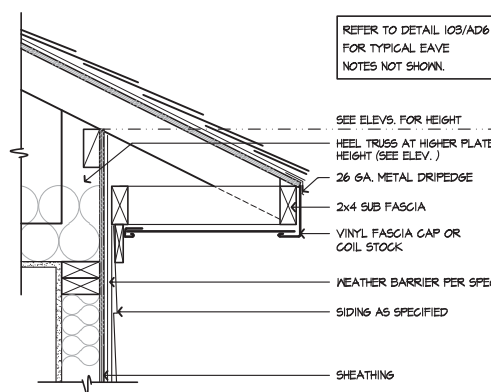
WINDOW HEAD - SIDING

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



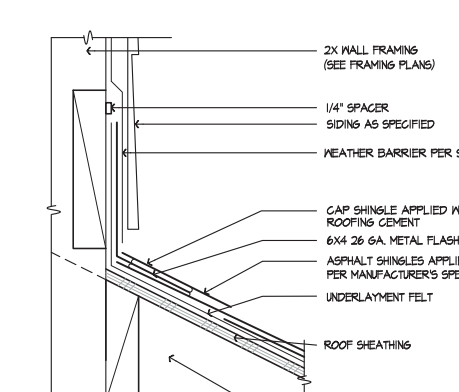
HEEL TRUSS - SIDING

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



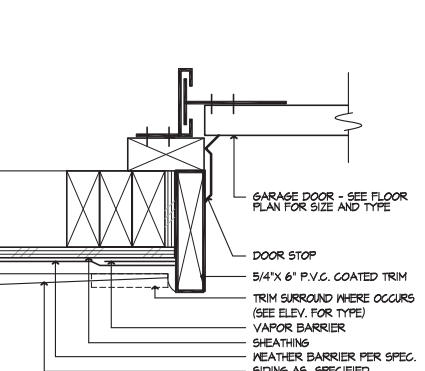
ROOF TO WALL

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



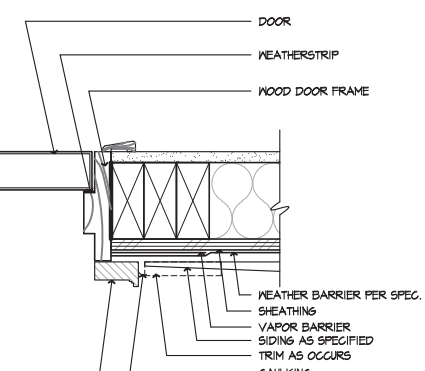
GARAGE DOOR JAMB - SIDING

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



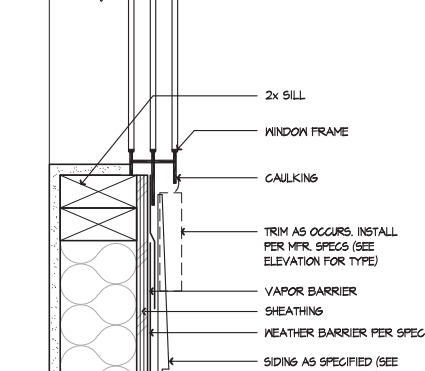
DOOR JAMB - SIDING

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



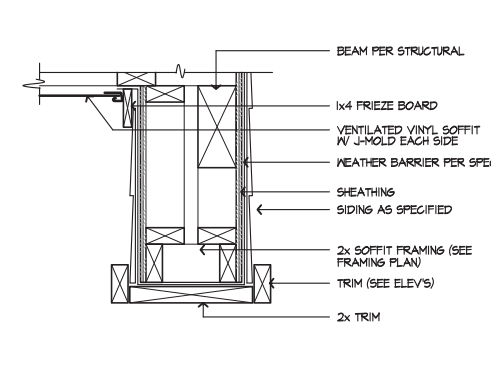
WINDOW SILL - SIDING

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



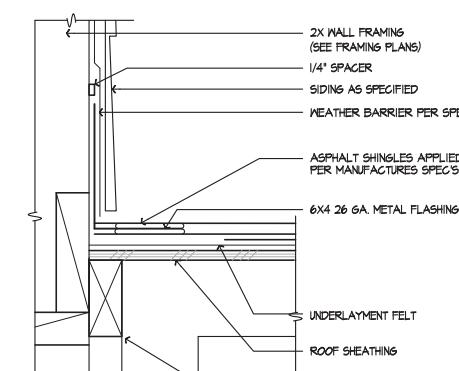
SOFFIT @ PORCH

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



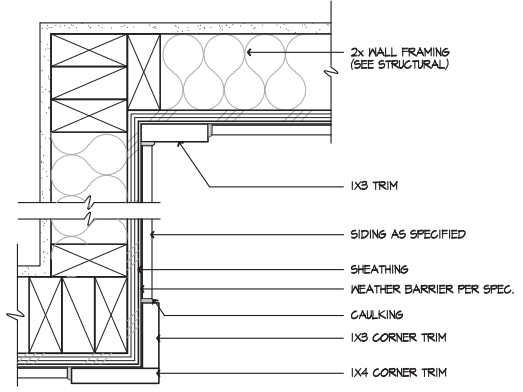
ROOF TO WALL

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



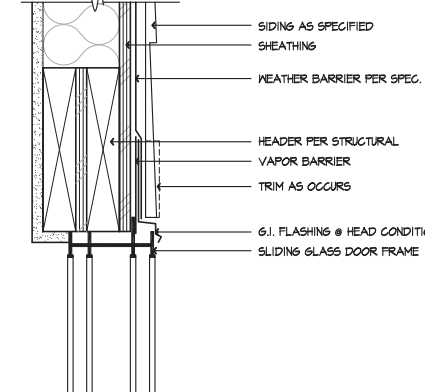
CORNER TRIM - SIDING

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



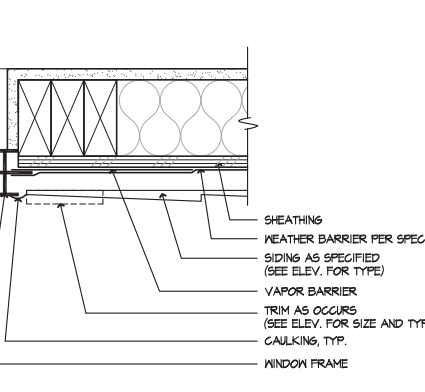
SLDG. DOOR HEAD - SIDING

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



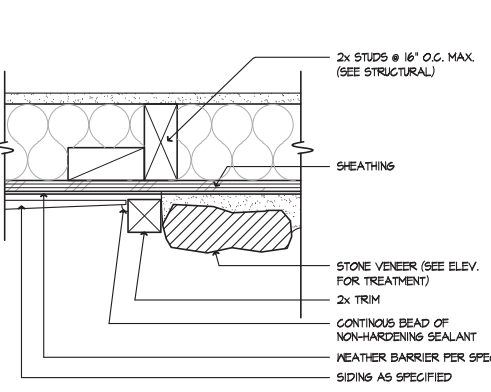
WINDOW JAMB - SIDING

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



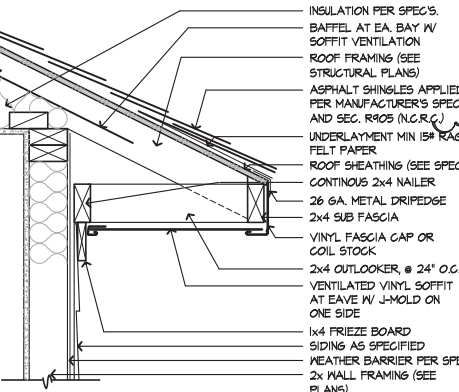
SIDING TO STONE

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



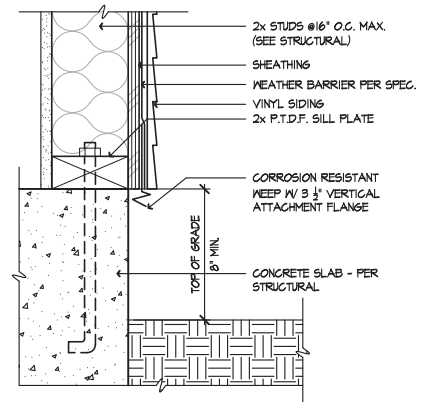
EAVE

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



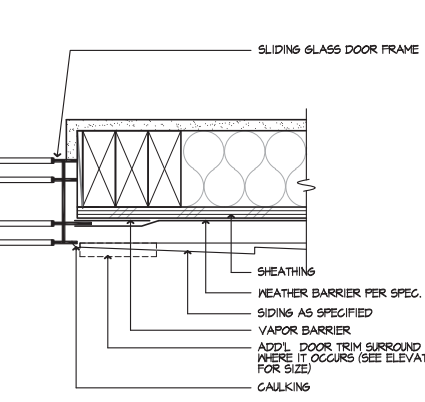
SCREED - SIDING

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



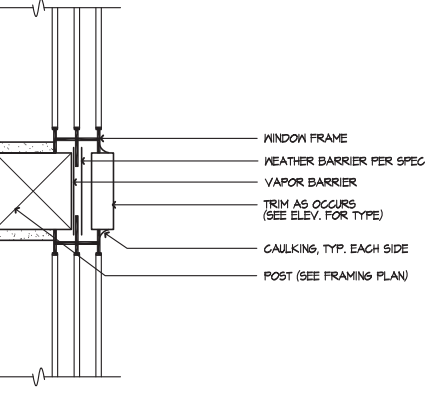
SLDG. DOOR JAMB - SIDING

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



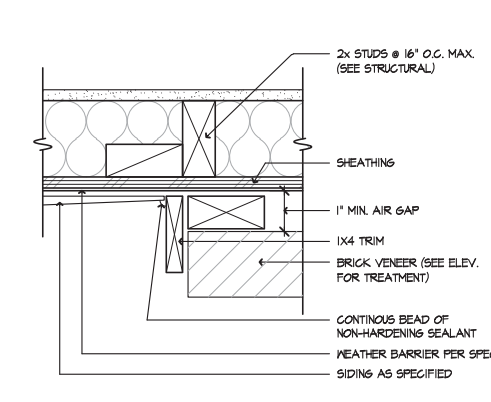
VERT. WDW. MULL. - SIDING

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



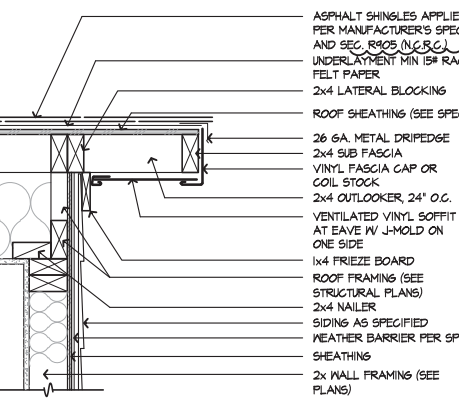
SIDING TO BRICK

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



RAKE

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



DETAILS

KB HOME
NORTH CAROLINA DIVISION

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

- 1 COMPLIANCE REVIEW
NC12068 - 02/28/12 - CTD
- 2 2012 NC CODE UPDATE
NC12016 - 03/22/12 - CTD
- 3 DETAIL UPDATES
NC15933 - 11/13 - DC3
- 4 2018 NC CODE UPDATE
NC19015 - 01/24/19 - MCP

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REVISION BY:	DATE
1	
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PLAN: ALL
SHEET: AD6

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DETAILS

KB HOME
NORTH CAROLINA DIVISION

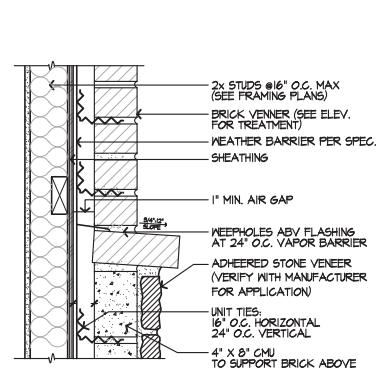
4518 S. MIAMI BLVD.
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FAX: (919) 472-0582

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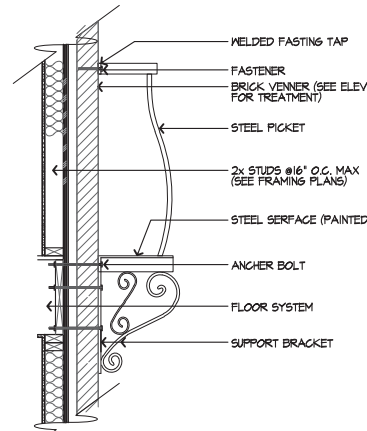
PLAN: **ALL**
SHEET: **AD7**



BRICK OVER STONE

NOT TO SCALE

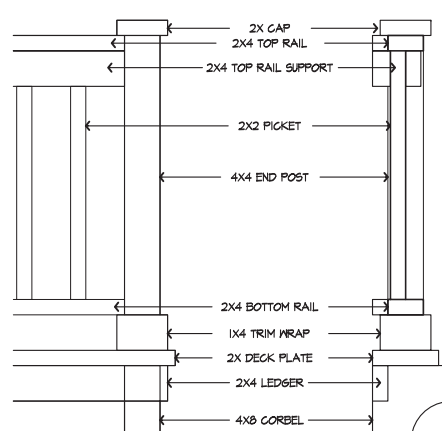
129 AD7



RAILING

NOT TO SCALE

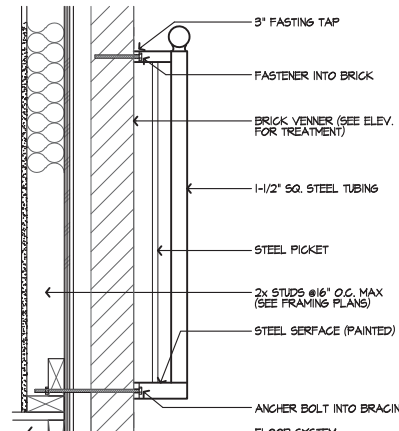
130 AD7



WOOD RAILING

NOT TO SCALE

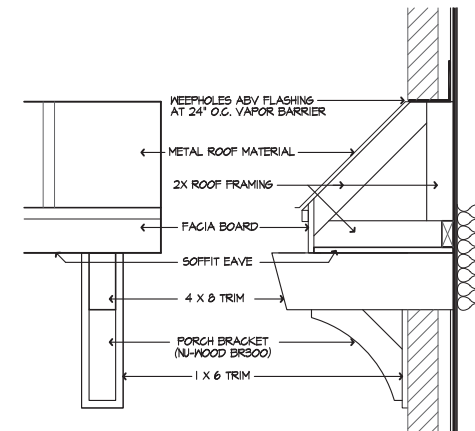
131 AD7



RAILING

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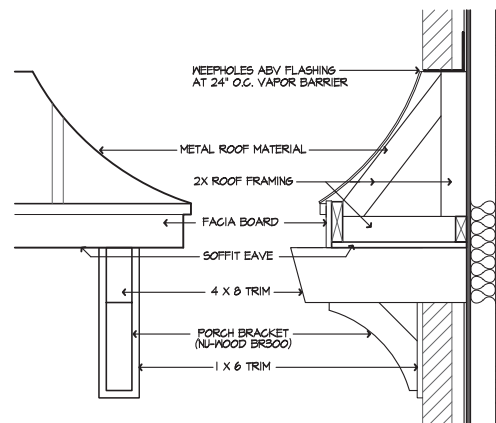
132 AD7



SHED ROOF

NOT TO SCALE

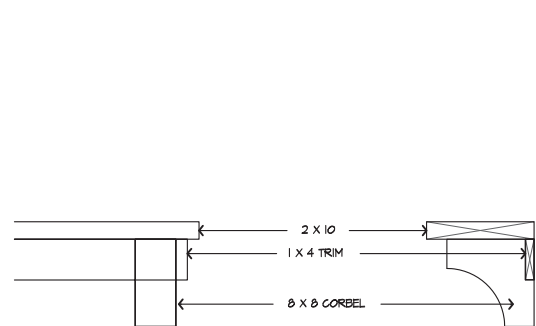
133 AD7



CURVED SHED ROOF

NOT TO SCALE

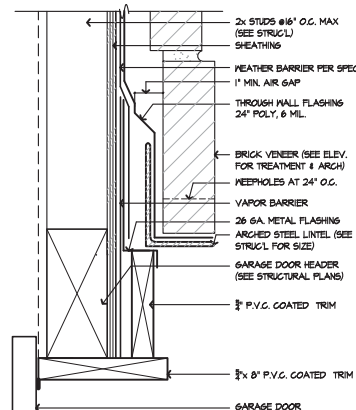
134 AD7



WINDOW LEDGE

NOT TO SCALE

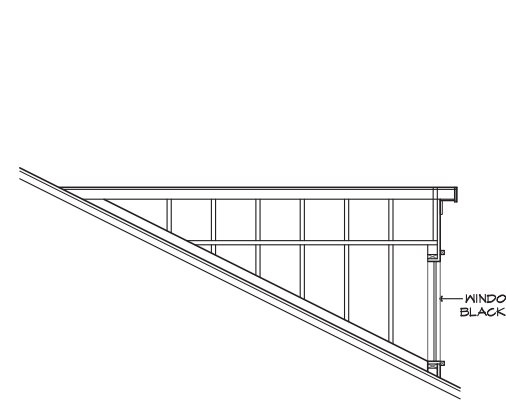
136 AD7



GARAGE DOOR HEAD W/ ARCHED BRICK

NOT TO SCALE

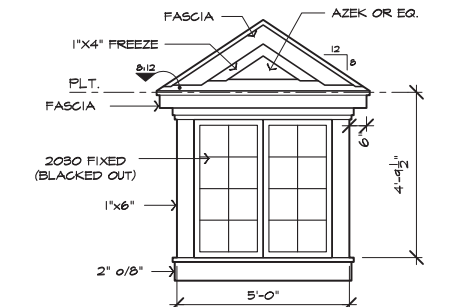
138 AD7



TYP. DORMER

NOT TO SCALE

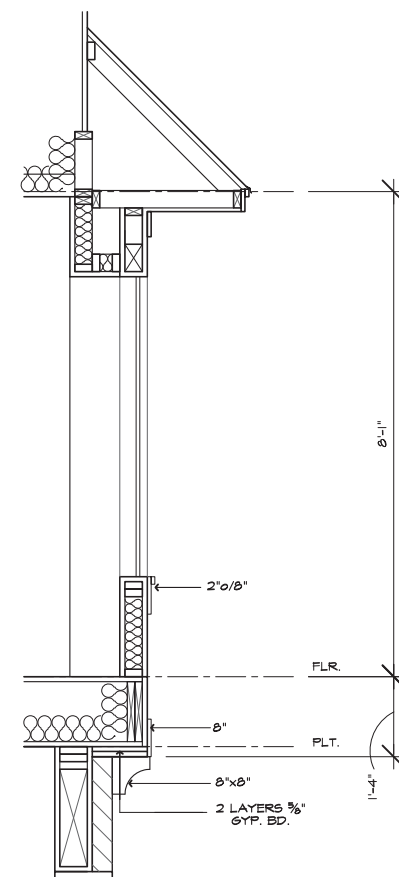
137 AD7



EYEBROW DORMER

NOT TO SCALE

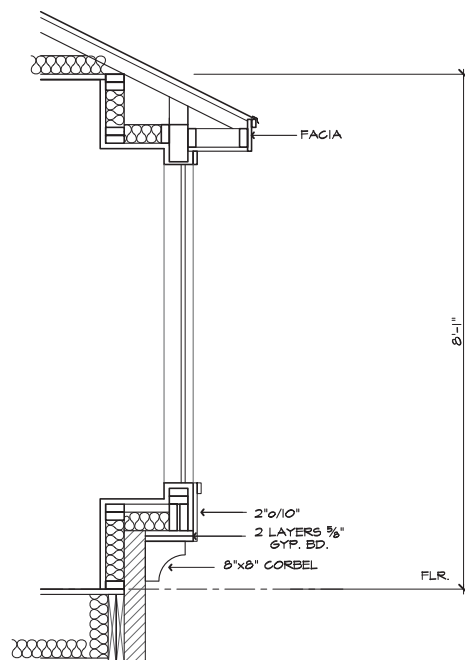
139 AD7



BAY

NOT TO SCALE

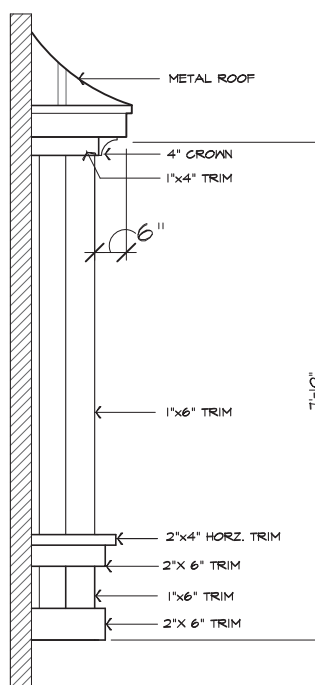
135 AD7



BAY (2)

NOT TO SCALE

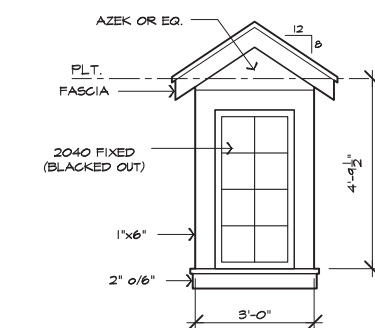
144 AD7



BAY (2)

NOT TO SCALE

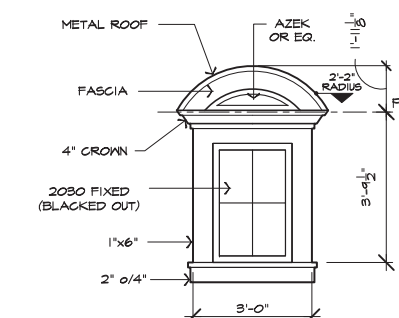
145 AD7



GABLE ROOF DORMER

NOT TO SCALE

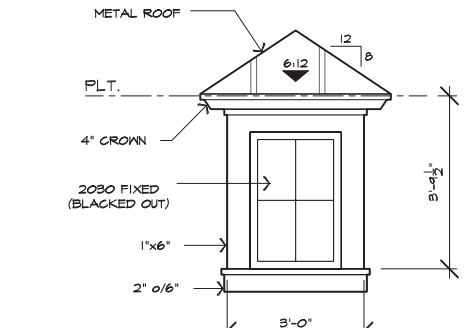
140 AD7



ARCHED ROOF DORMER

NOT TO SCALE

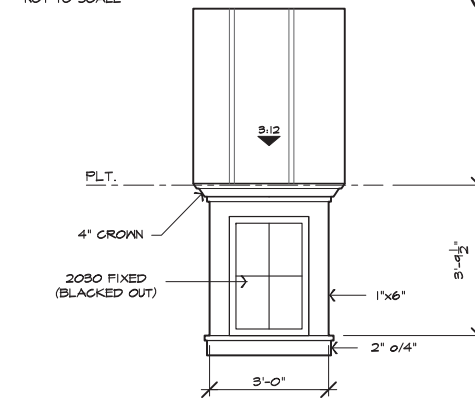
142 AD7



TYP. HIP DORMER

NOT TO SCALE

141 AD7

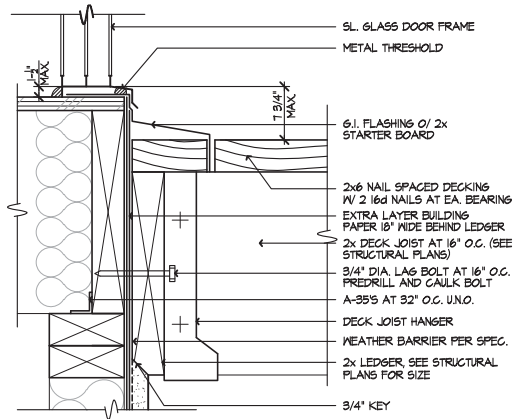


TYP. SHED ROOF DORMER

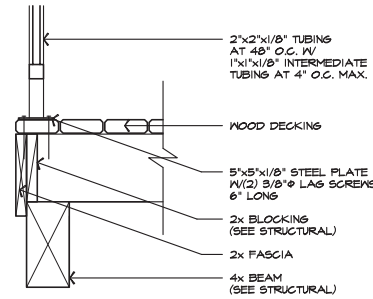
NOT TO SCALE

143 AD7

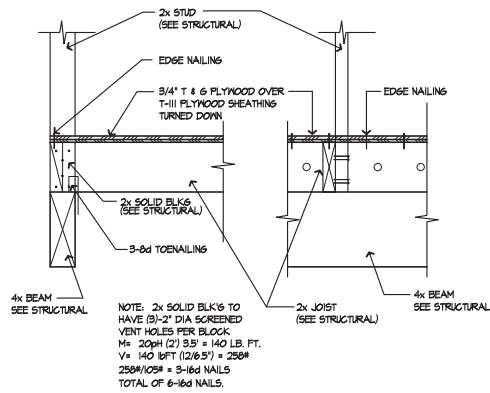
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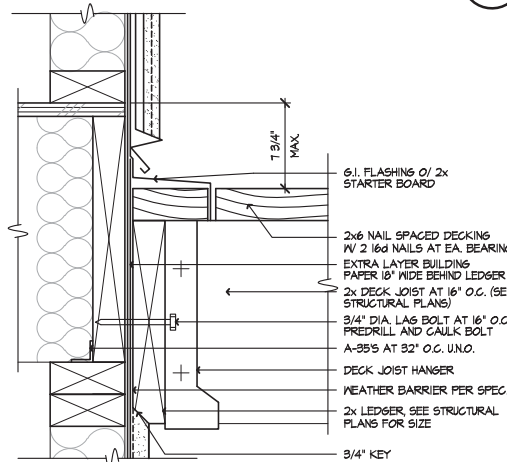
SL. DR. TRESHOLD @ DECK 154
SCALE 3/4"=1'-0"
0310-02 ADB



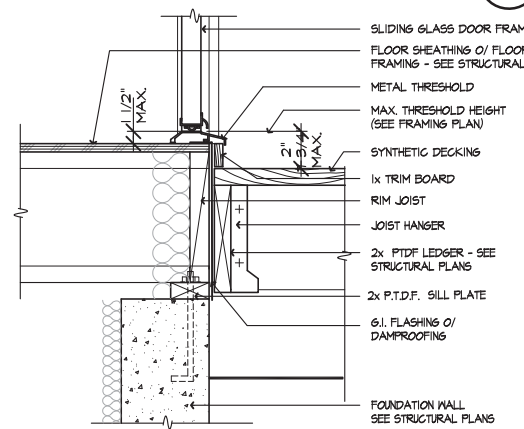
DECK FRAMING 150
SCALE 1"=1'-0"
ADB



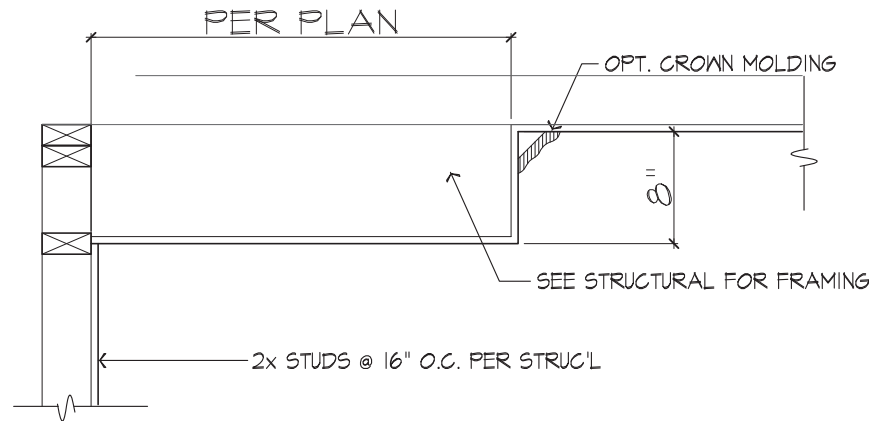
DECK FRAMING 151
SCALE 1"=1'-0"
ADB



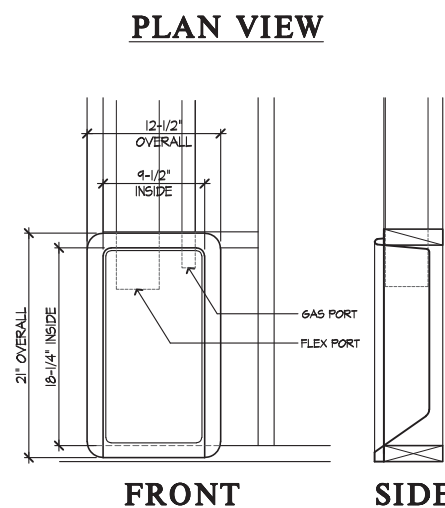
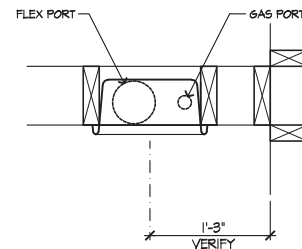
WALL @ DECK 152
SCALE 3/4"=1'-0"
ADB-152 ADB



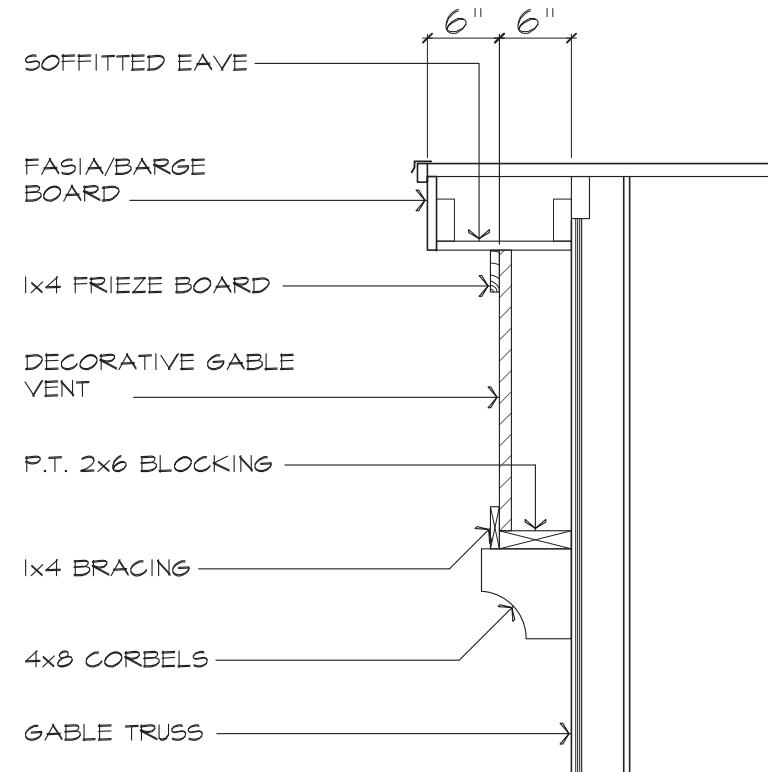
SWING DOOR THRESHOLD 153
SCALE 1 1/2"=1'-0"
0220-01c ADB



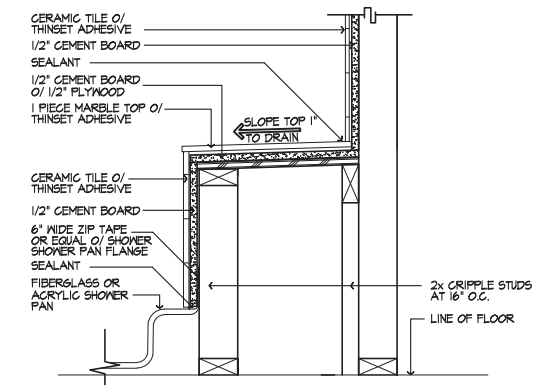
BOX TRAY CEILING
NOT TO SCALE



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

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REVISIONS: 01/24/19

- 1 COMPLIANCE REVIEW
NC12008 - 02/28/12 - CTD
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NC12016 - 03/22/12 - CTD
- 3 DETAIL UPDATES
NC12933 - 11/3/13 - DCS
- 4 2018 NC CODE UPDATE
NC19015 - 01/24/19 - MCF

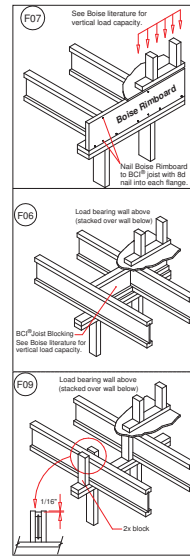
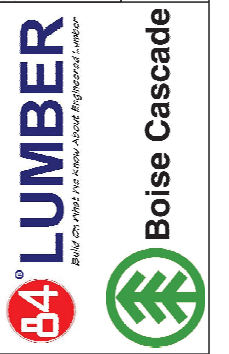
FOR INTERNAL USE ONLY	
REVIEWED BY:	
1.	
2.	
3.	
4.	
5.	
6.	

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

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

KB Homes
2596 All Elevs
11 Mason Pointe

Revisions:	BY:



PlotID	Net Qty	Product	Length	Plies
1	12	11-7/8" BCI* 5000s-1.8	37' 0"	1
2	1	11-7/8" BCI* 5000s-1.8	26' 0"	1
3	13	11-7/8" BCI* 5000s-1.8	22' 0"	1
4	2	11-7/8" BCI* 5000s-1.8	18' 0"	1
5	1	11-7/8" BCI* 5000s-1.8	14' 0"	1
6	1	11-7/8" BCI* 5000s-1.8	4' 0"	1
7	2	1-3/4" x 9-1/4" VERSA-LAM* LVL 2.1E 3100 SP	22' 0"	2
8	2	1-3/4" x 9-1/4" VERSA-LAM* LVL 2.1E 3100 SP	20' 0"	2
9	2	1-3/4" x 9-1/4" VERSA-LAM* LVL 2.1E 3100 SP	18' 0"	2
Rm-1	13	1" x 11-7/8" BC RIM BOARD OSB	12' 0"	1
Bk1	27	11-7/8" BCI* 5000s-1.8	2' 0"	1

Crawl All Elevs



First Floor Layout

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

ALL DIMENSIONS AND CONDITIONS
TO BE REVIEWED AND APPROVED
BY BOTH THE CONTRACTOR AND
THE ENGINEER OF RECORD
PRIOR TO INSTALLATION

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

KB Homes
2596 All Elevs
11 Mason Pointe
84 Lumber EWP

BC FRAMER II
Plan Date: 08132018
Structural Date: 10312019
By: CMM
Sheet: 1/3

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

KB Homes
2596 All Elevs
11 Mason Pointe

Revisions: BY:

8/25/18

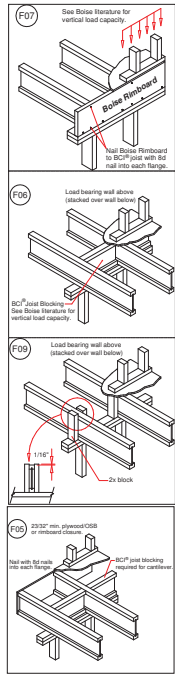
84 LUMBER
BOISE CASCADE LUMBER ENGINEERS LUMBER

Boise Cascade

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

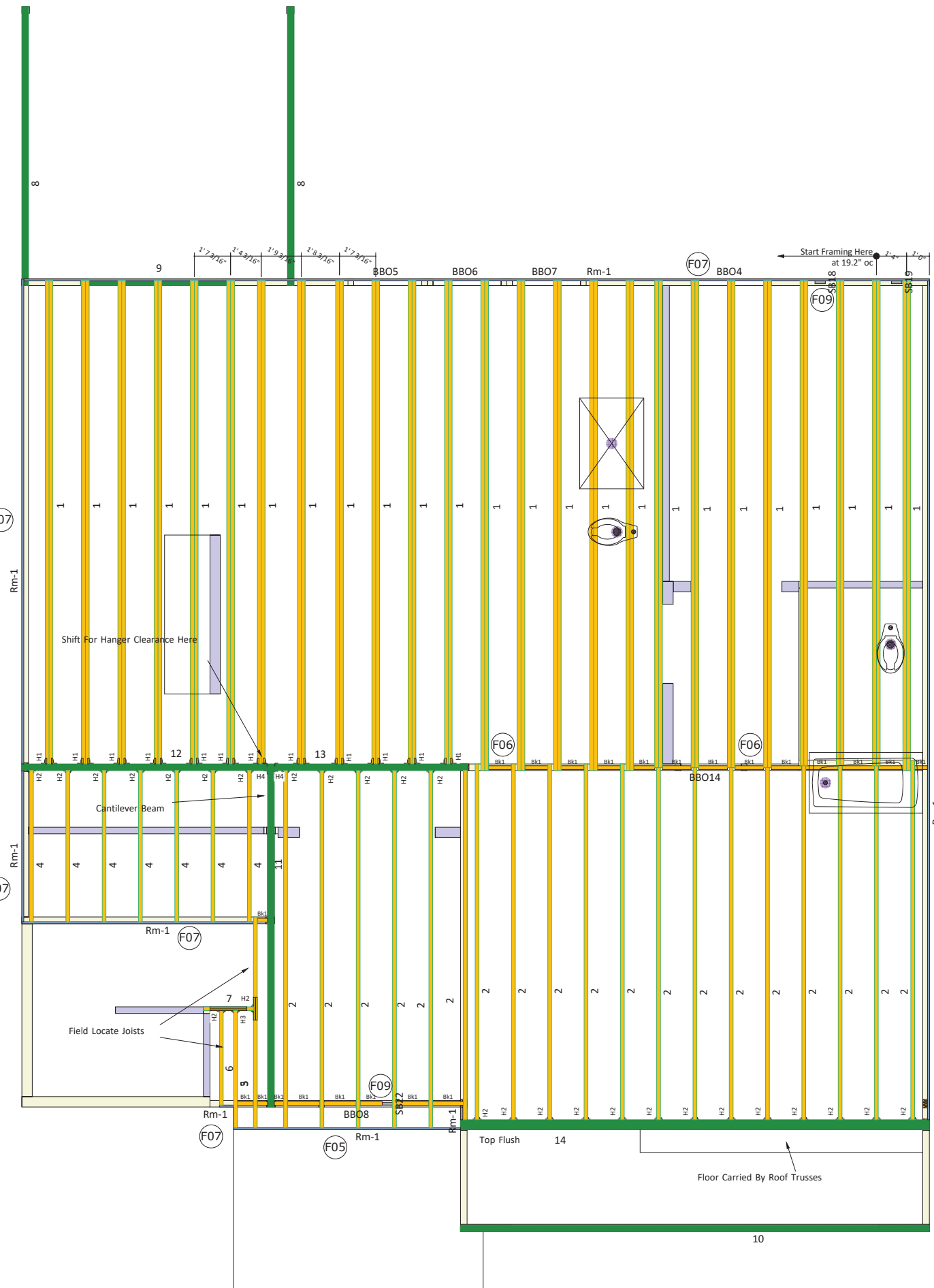
KB Homes
2596 All Elevs
11 Mason Pointe
84 Lumber EWP

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



Products				
PlotID	Net Qty	Product	Length	Plies
1	50	14" BCI® 5000s-1.8	22' 0"	2
2	19	14" BCI® 5000s-1.8	16' 0"	1
3	1	14" BCI® 5000s-1.8	10' 0"	1
4	7	14" BCI® 5000s-1.8	7' 0"	1
5	1	14" BCI® 5000s-1.8	6' 0"	1
6	1	14" BCI® 5000s-1.8	5' 0"	1
7	1	14" BCI® 5000s-1.8	3' 0"	1
8	4	1-3/4" x 9-1/4" VERSA-LAM® LVL 2.1E 3100 SP	14' 0"	2
9	2	1-3/4" x 9-1/4" VERSA-LAM® LVL 2.1E 3100 SP	8' 0"	2
10	2	1-3/4" x 11-7/8" VERSA-LAM® LVL 2.1E 3100 SP	22' 0"	2
11	2	1-3/4" x 14" VERSA-LAM® LVL 2.1E 3100 SP	16' 0"	2
12	2	1-3/4" x 14" VERSA-LAM® LVL 2.1E 3100 SP	12' 0"	2
13	2	1-3/4" x 14" VERSA-LAM® LVL 2.1E 3100 SP	10' 0"	2
14	3	1-3/4" x 18" VERSA-LAM® LVL 2.1E 3100 SP	22' 0"	3
Rm-1	11	1" x 14" BC RIM BOARD OSB	12' 0"	1
Bk1	12	14" BCI® 5000s-1.8	2' 0"	1

Connector Summary			
PlotID	Qty	Manuf	Product
H1	12	Simpson	HU4.12/11
H2	27	Simpson	IUS2.06/14
H3	1	Simpson	IUS2.06/14
H4	2	Simpson	HUCQ412-SDS
Add*	32	Trusslock	5" screws*

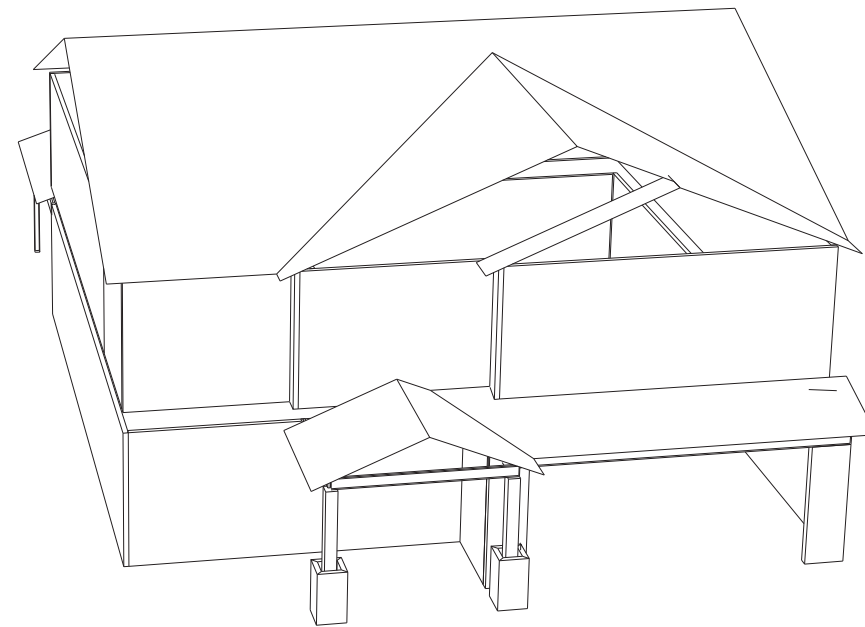
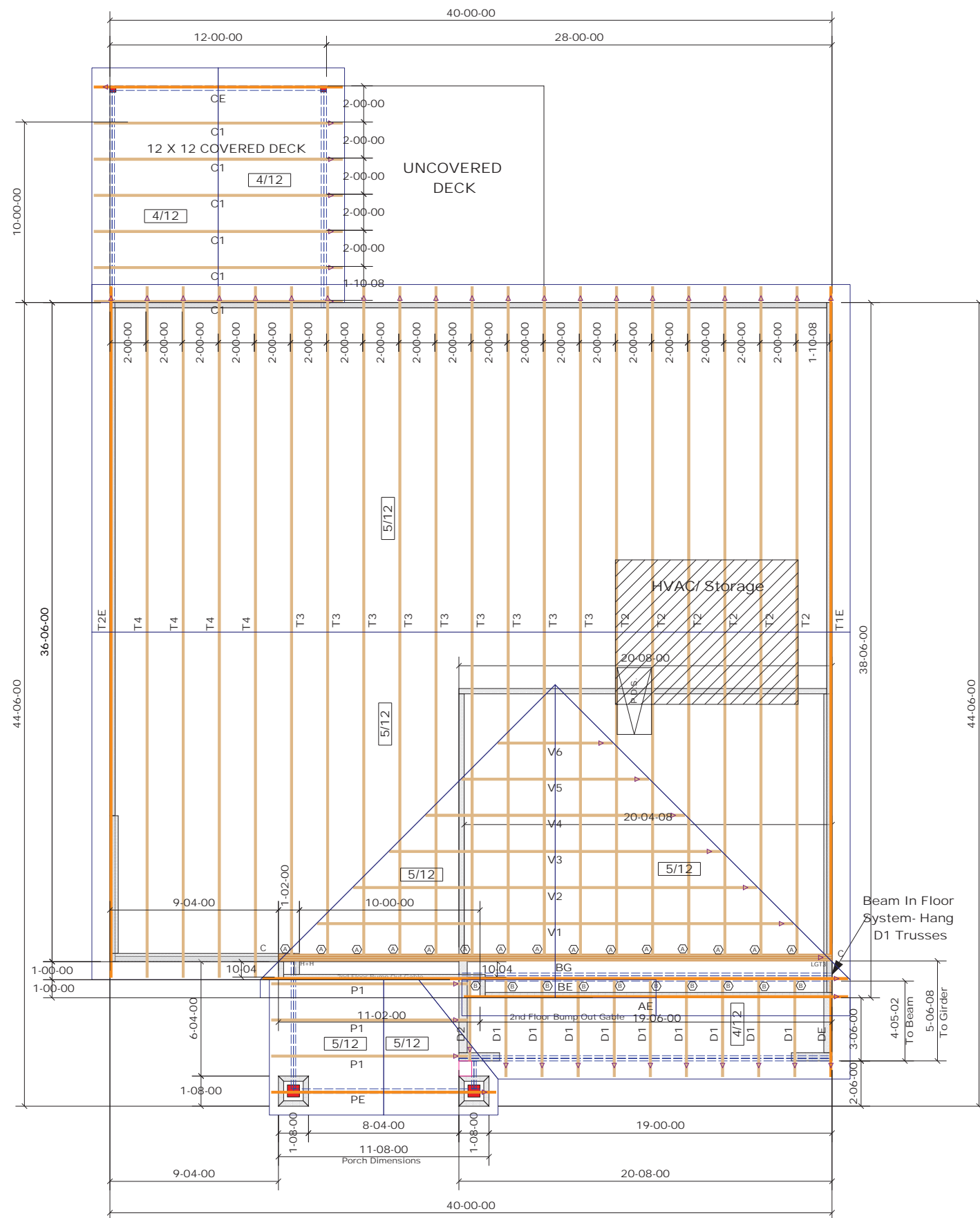


Squash Blocks Required
Under The Ends Of All LVL
And Point Loads For Load
Transfer - See Details

**ALL DIMENSIONS AND CONDITIONS
TO BE REVIEWED AND APPROVED
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PRIOR TO INSTALLATION**

Second Floor Layout

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



Hanger List		
Symbol	Name	Qty
A	HUS26	15
B	LUS26	10
LGT3	LGT3-SDS2.5	1
H	HTS20	2

LGT3-SDS2.5 used at BG girder- Outside wall at bedroom 2 for uplift and bearing enhancer, other end at stairs use (2x) HTS20 for uplift



DEDICATED TO QUALITY AND EXCELLENCE
 200 EMMETT ROAD
 DUNN, NORTH CAROLINA 28334
 PHONE: 910-892-8400
 FAX: 910-892-8384

PROJECT:	Lot 11 @ Mason Pointe		
CUSTOMER:	KB HOME		
MODEL:	240.2596 "B" x 12x12 CVD GOR		
SCALE:	NOT TO SCALE	P.O. NUMBER:	PO # 23574A
DRAWN BY:	MWM	PRINT DATE:	6/22/20
		REV:	XXXX
		SHIP DATE:	2020

TOP LIVE: 20 PSF

TOP DEAD: 10 PSF

BOTM DEAD: 10 PSF

WIND SPD: 130 MPH

GENERAL NOTES:

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

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

GENERAL

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

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

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

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

DESIGN LOADS

ASSUMED SOIL BEARING-CAPACITY 2,000 PSF

	LIVE LOAD
ULTIMATE DESIGN WIND SPEED	115 MPH, EXPOSURE B
GROUND SNOW	15 PSF
ROOF	20 PSF

RESIDENTIAL CODE TABLE R301.5	LIVE LOAD (PSF)
DWELLING UNITS	40
SLEEPING ROOMS	30
ATTICS WITH STORAGE	20
ATTICS WITHOUT STORAGE	10
STAIRS	40
DECKS	40
EXTERIOR BALCONIES	60
PASSENGER VEHICLE GARAGES	50
FIRE ESCAPES	40
GUARDS AND HANDRAILS	200 (pounds, concentrated)

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

ABBREVIATIONS

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

MATERIALS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

11. MORTAR SHALL COMPLY WITH ASTM INTERNATIONAL STANDARD C270.

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

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

FOUNDATION

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

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

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

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

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

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

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

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

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

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

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

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

11. FRAMING TO BE FLUSH WITH FOUNDATION WALLS.

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

FRAMING

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

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

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

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

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

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

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

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

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

9. ENGINEERED WOOD FLOOR SYSTEMS AND ROOF TRUSS SYSTEMS:

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

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

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

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

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

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

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

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



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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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INFO@JDSfaulkner.COM | WWW.JDSfaulkner.COM

PROJECT NO.: 20901051

DATE: 07/14/2020

PLAN:
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.

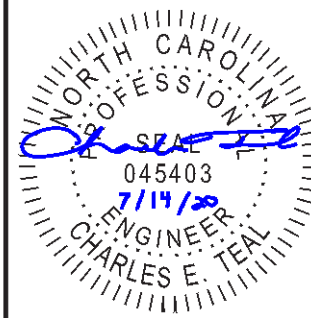
BRICK VENEER LINTEL SCHEDULE		
SPAN	STEEL ANGLE SIZE	END BEARING LENGTH
UP TO 42"	L3-1/2"x3-1/2"x1/4"	8" (MIN. @ EACH END)
UP TO 72"	L6"x4"x5/16" (LLV)	8" (MIN. @ EACH END)
OVER 72"	L6"x4"x5/16" (LLV) ATTACH LINTEL w/ 1/2" THRU BOLT @ 12" OC, 3" FROM EACH END	

* 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

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.

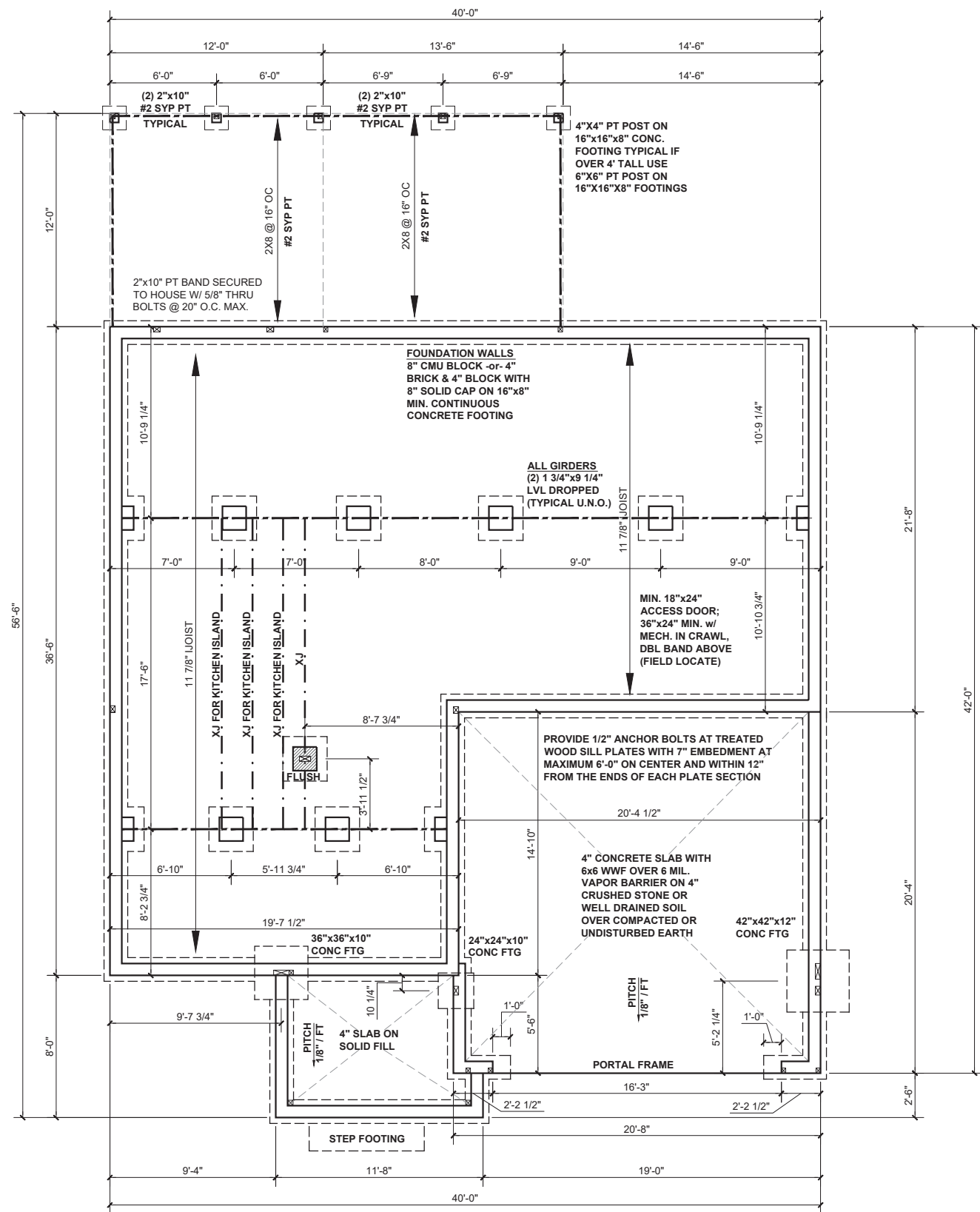


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DATE: 07/14/2020

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240.2596

GENERAL NOTES
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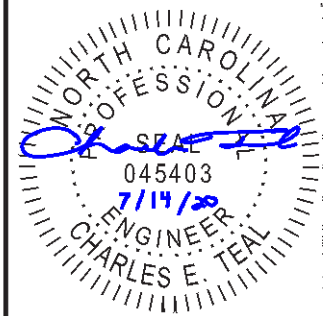
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CRAWLSPACE FOUNDATION PLAN - 'B'
SCALE: 1/8" = 1'-0"



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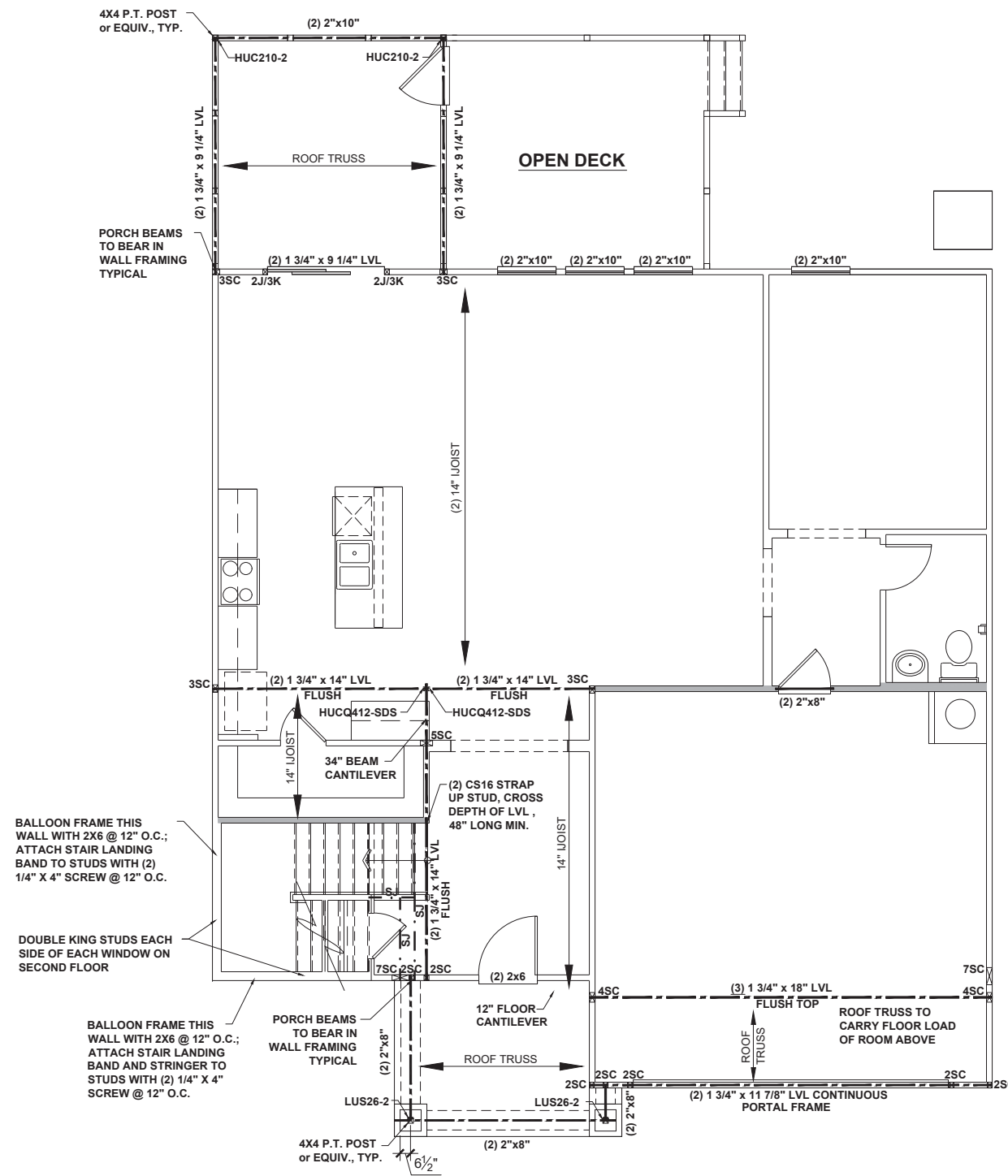
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CRAWL SPACE
FOUNDATION PLAN

S.30B

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

BEAM & POINT LOAD LEGEND

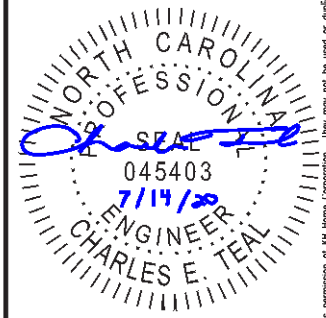
	INTERIOR LOAD BEARING WALL
	ROOF RAFTER / TRUSS SUPPORT
	DOUBLE RAFTER / DOUBLE JOIST
	STRUCTURAL BEAM / GIRDER
	WINDOW / DOOR HEADER
	POINT LOAD TRANSFER
	POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

- 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 EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES
- FLOOR FRAMING TO BE 14" DEEP TJI 210 SERIES OR EQUAL, 19.2" OC MAXIMUM SPACING, U.N.O.



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FIRST FLOOR
CEILING FRAMING PLAN
S1.0B

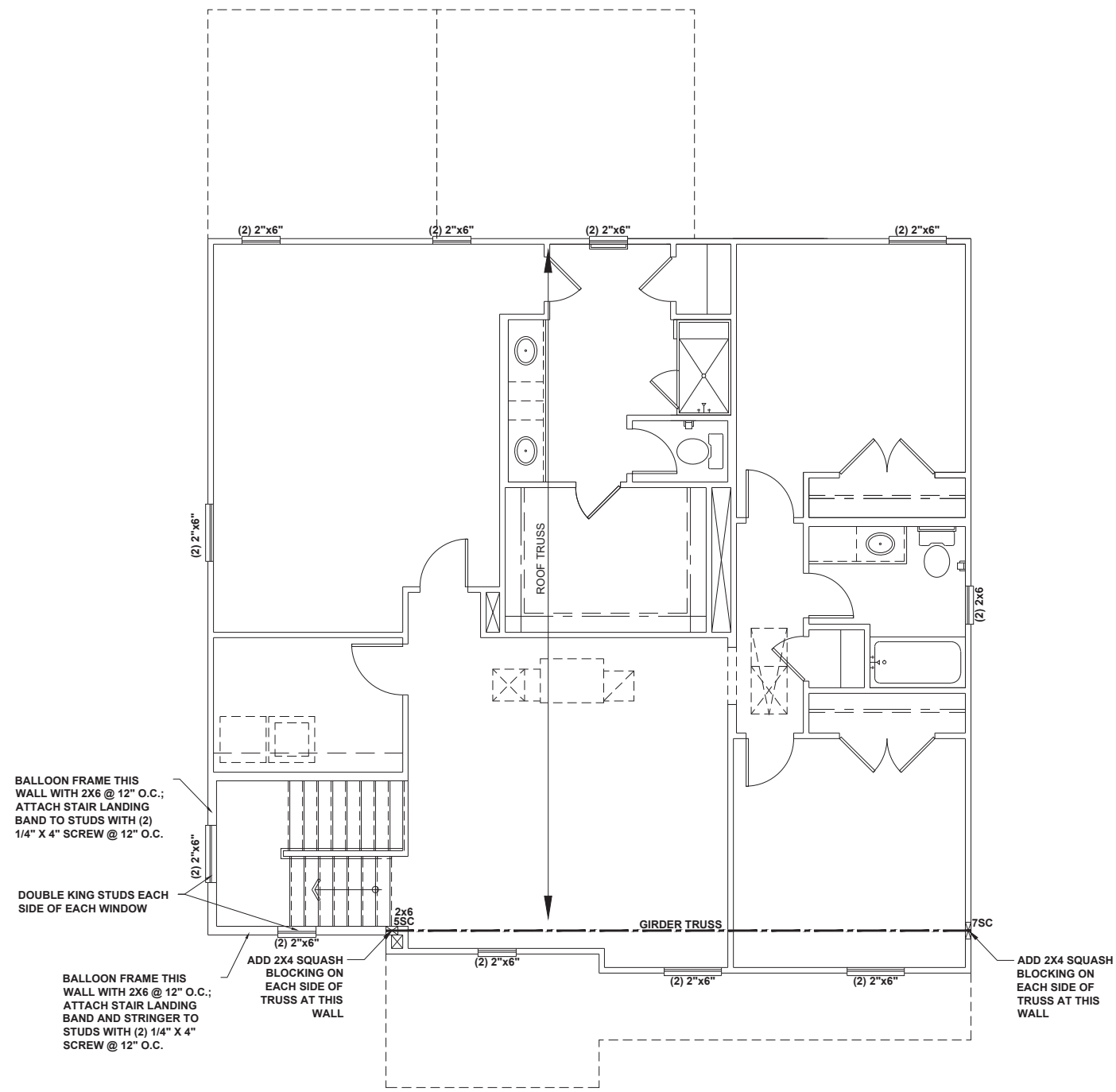
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BEAM & POINT LOAD LEGEND	
	INTERIOR LOAD BEARING WALL
	ROOF RAFTER / TRUSS SUPPORT
	DOUBLE RAFTER / DOUBLE JOIST
	STRUCTURAL BEAM / GIRDER
	WINDOW / DOOR HEADER
	POINT LOAD TRANSFER
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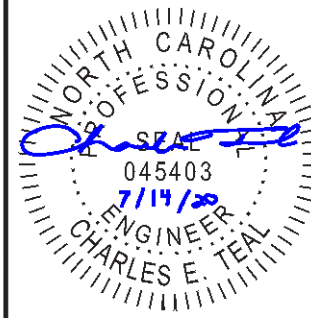
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 - EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.
 - ALL NON-BEARING HEADERS TO BE (2) 2x4 (1) J / (1) K, UNO.
 - PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
 - ALL HANGERS AND CONNECTORS SPECIFIED ARE TO BE SIMPSON STRONG-TIE OR EQUIVALENT.
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ALL FLUSH BEAMS TO BE DIRECTLY SUPPORTED BY (2) 2X STUDS UNLESS OTHERWISE NOTED. STUD COLUMNS TO BE SUPPORTED BY SOLID BLOCKING TO FOUNDATION OR TO BEARING COMPONENT BELOW.



SECOND FLOOR CEILING FRAMING PLAN - 'B'

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



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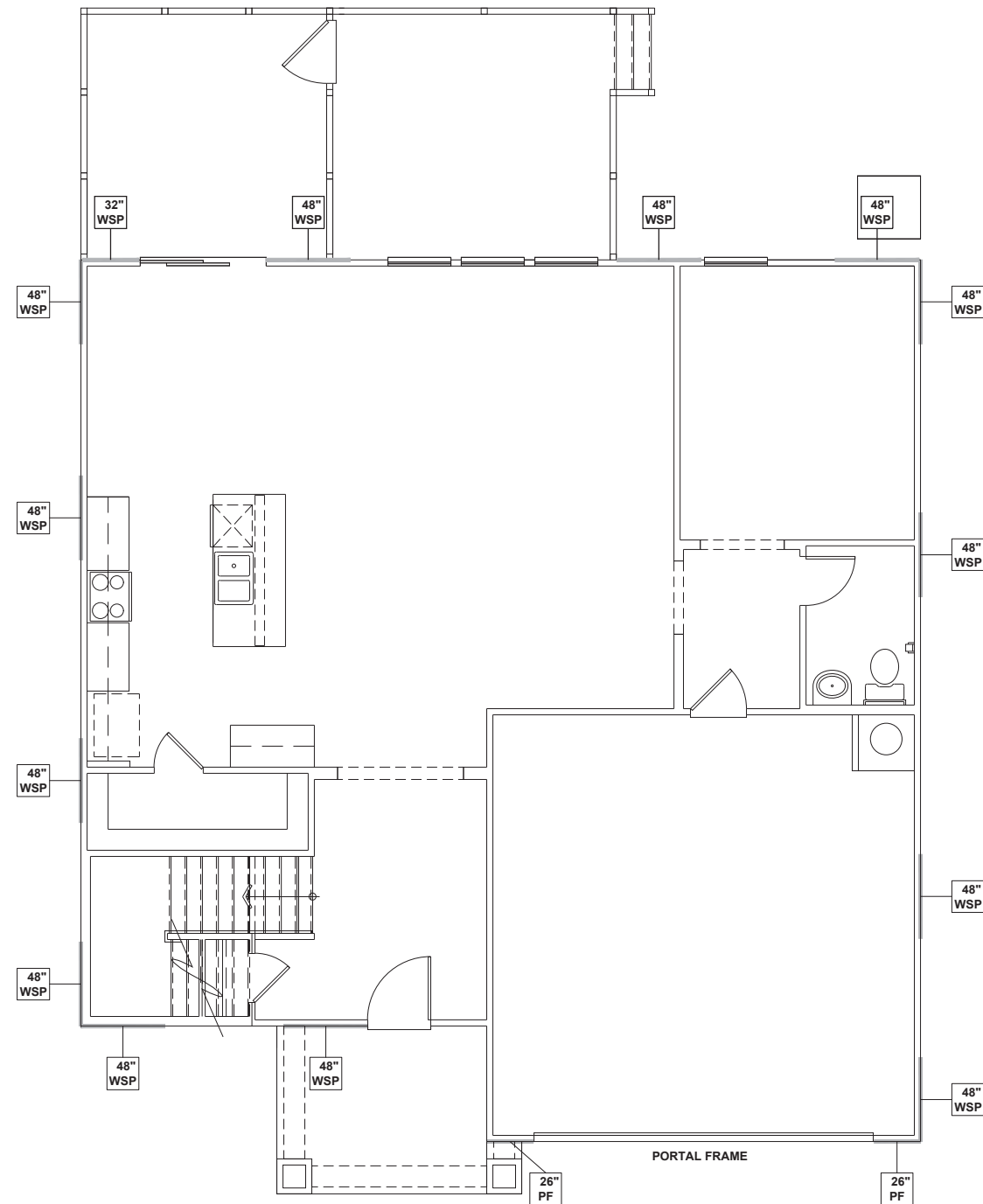
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SECOND FLOOR
CEILING FRAMING PLAN

S2.0B

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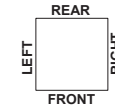


FIRST FLOOR WALL BRACING PLAN - 'B'

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

WALL BRACING REQUIREMENTS

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



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



WALL BRACING NOTE:

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

WALL BRACING: RECTANGLE 1

SIDE	REQUIRED LENGTH	PROVIDED LENGTH
FRONT	12.0 FT.	16.6 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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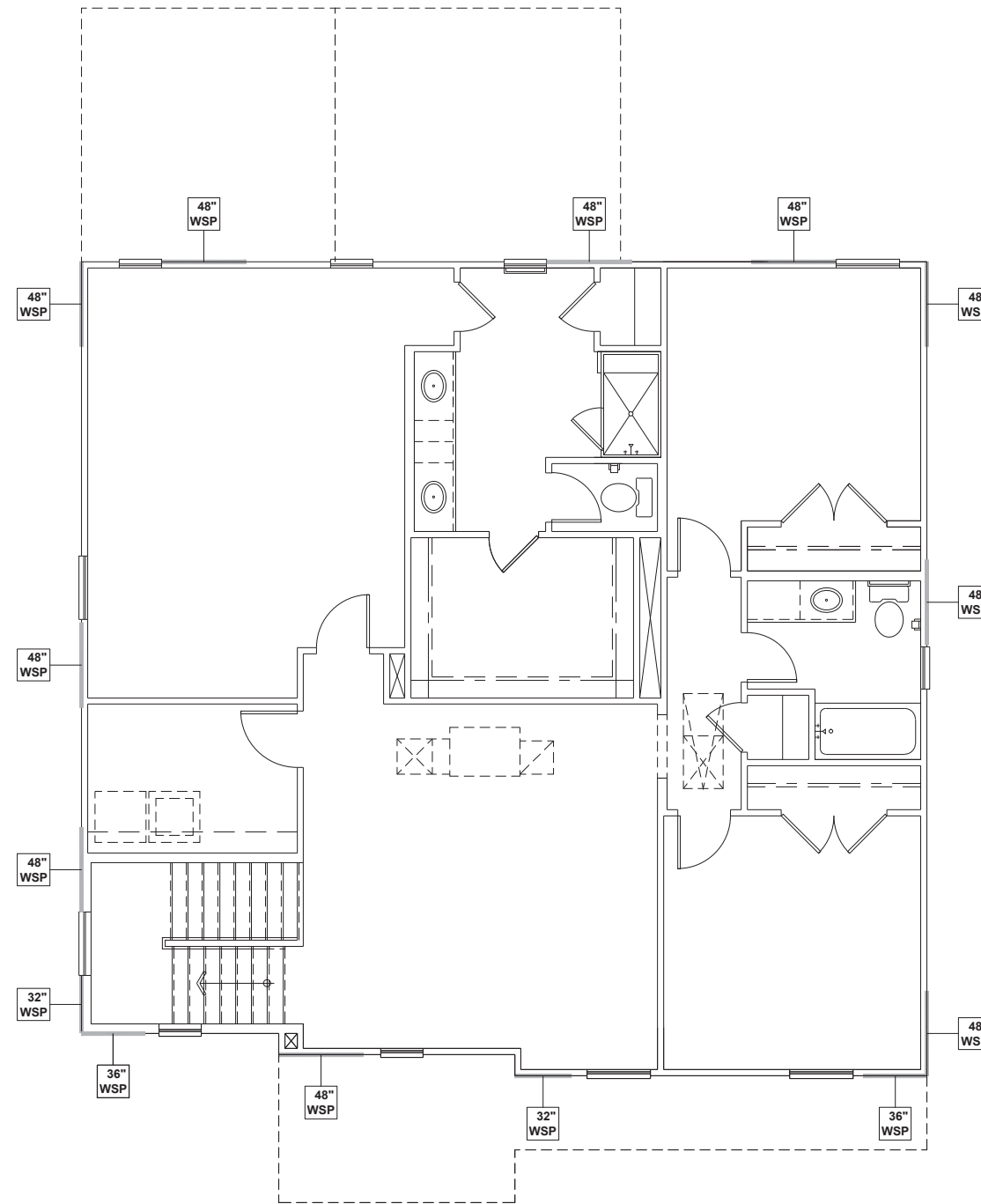
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FIRST FLOOR
WALL BRACING PLAN

S4.0B

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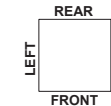


SECOND FLOOR WALL BRACING PLAN - 'B'

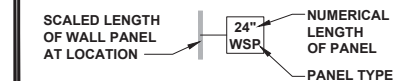
SCALE: 1/8" = 1'-0"

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.
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WALL BRACING NOTE:

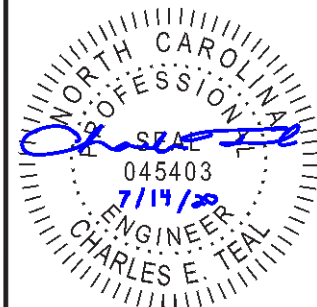
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WALL BRACING: RECTANGLE 1

SIDE	REQUIRED LENGTH	PROVIDED LENGTH
FRONT	6.0 FT.	12.6 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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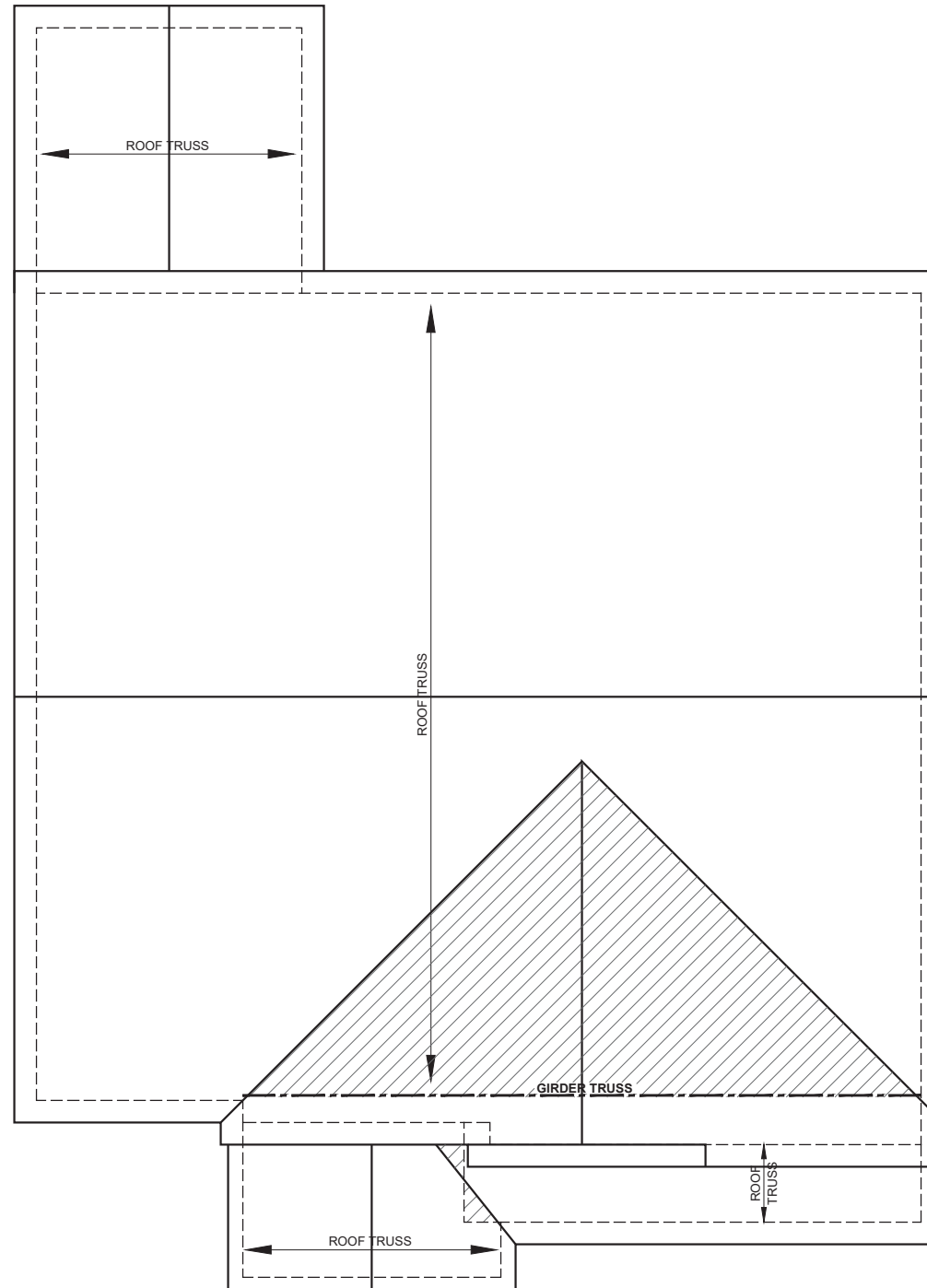
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SECOND FLOOR
WALL BRACING PLAN

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ROOF FRAMING PLAN - 'B'

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

BEAM & POINT LOAD LEGEND

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

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

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

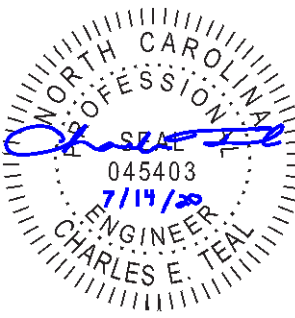
TRUSSES SHALL BE ATTACHED TO SUPPORT WALL FOR UPLIFT RESISTANCE. CONTINUOUS OSB WALL SHEATHING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES SUPPORTED BY INTERMEDIATE SUPPORT WALLS, KNEEWALLS, OR BEAMS SHALL BE ATTACHED TO SUPPORTING MEMBER PER SCHEDULE:

ROOF SPAN IS MEASURED HORIZONTALLY BETWEEN FURTHEST SUPPORT POINTS.

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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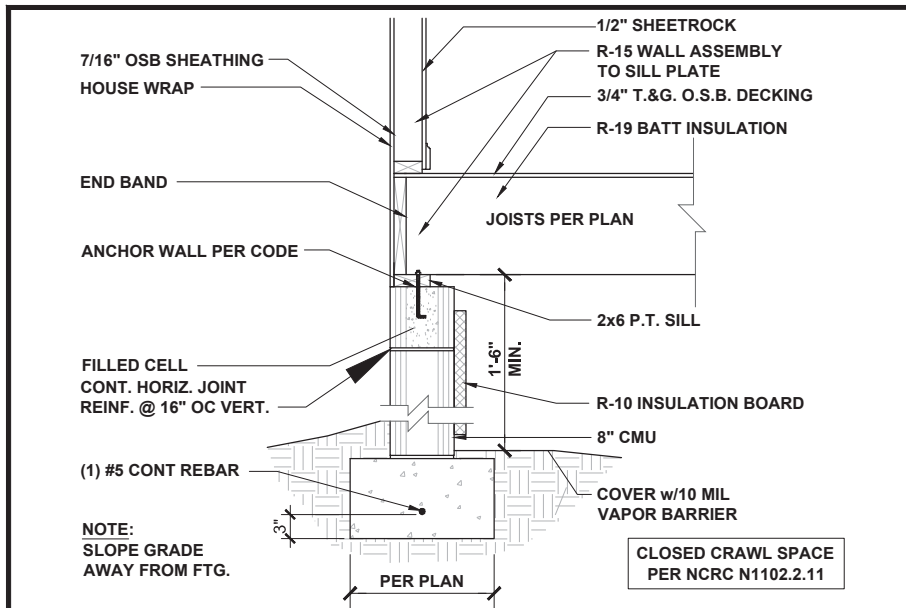
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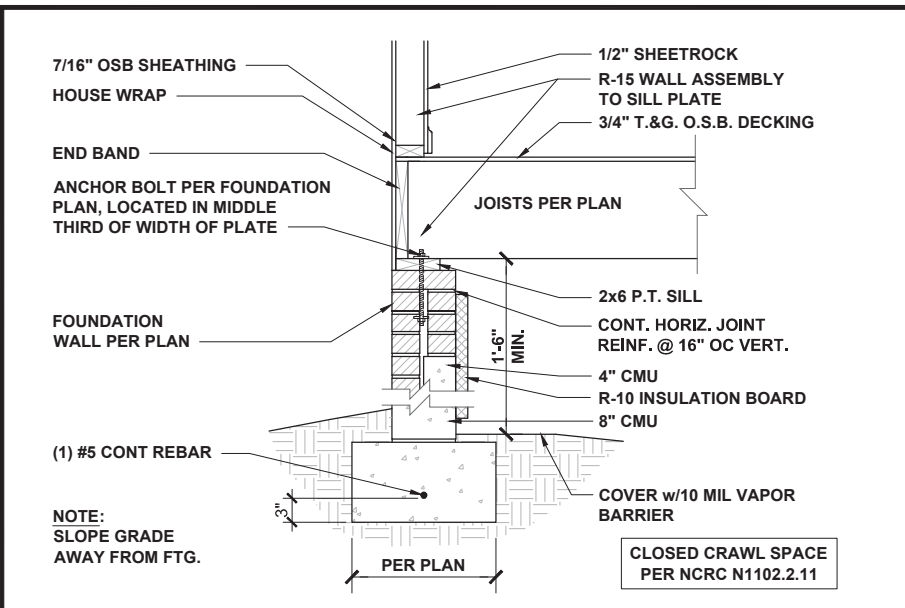
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ROOF FRAMING PLAN
S7.0B

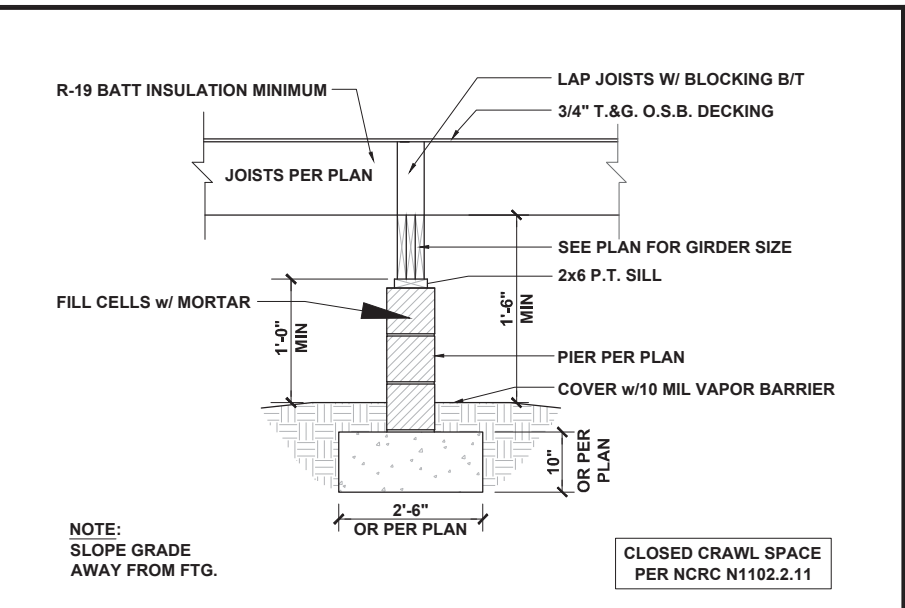
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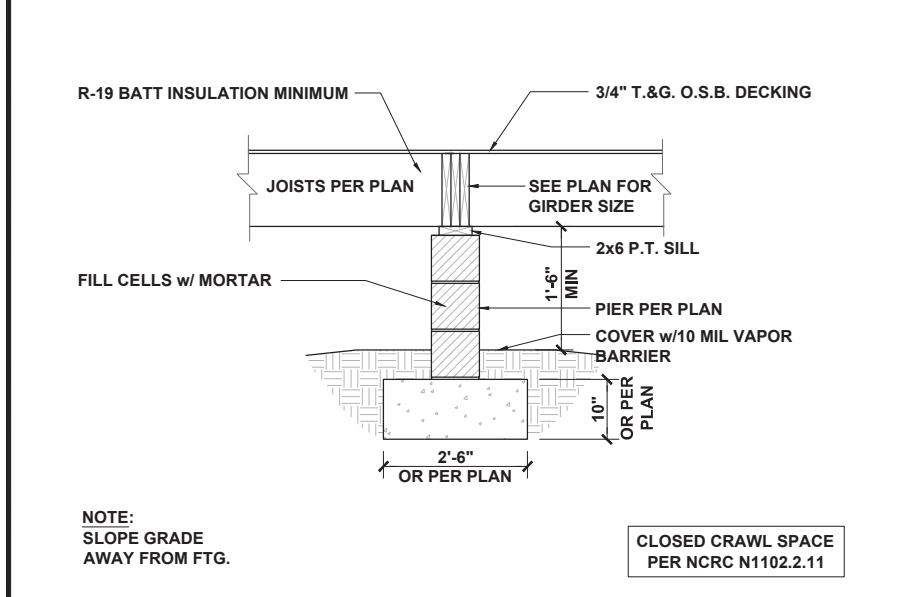
CRAWL AT EXTERIOR WALL 1/2" = 1'-0" **1**



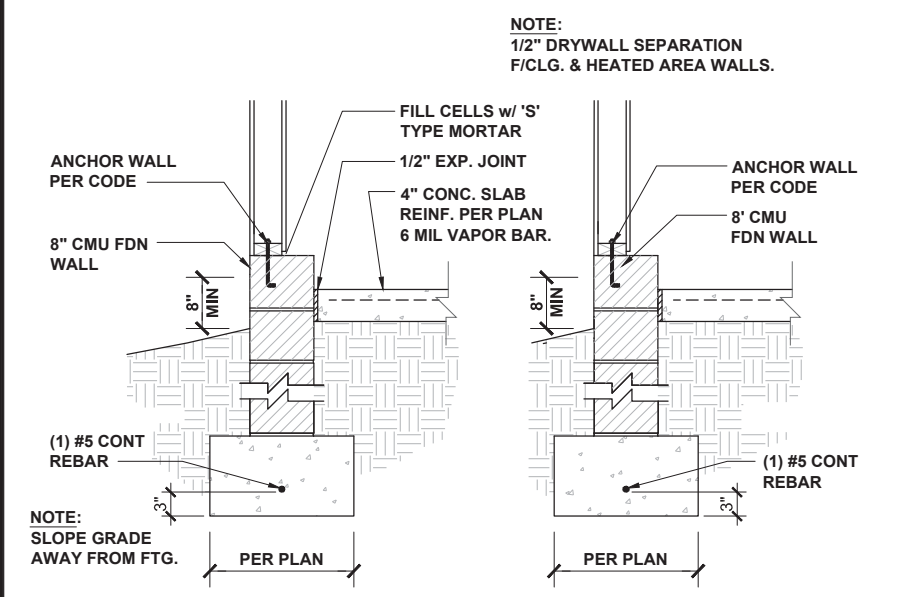
CRAWL AT EXTERIOR WALL 1/2" = 1'-0" **2**



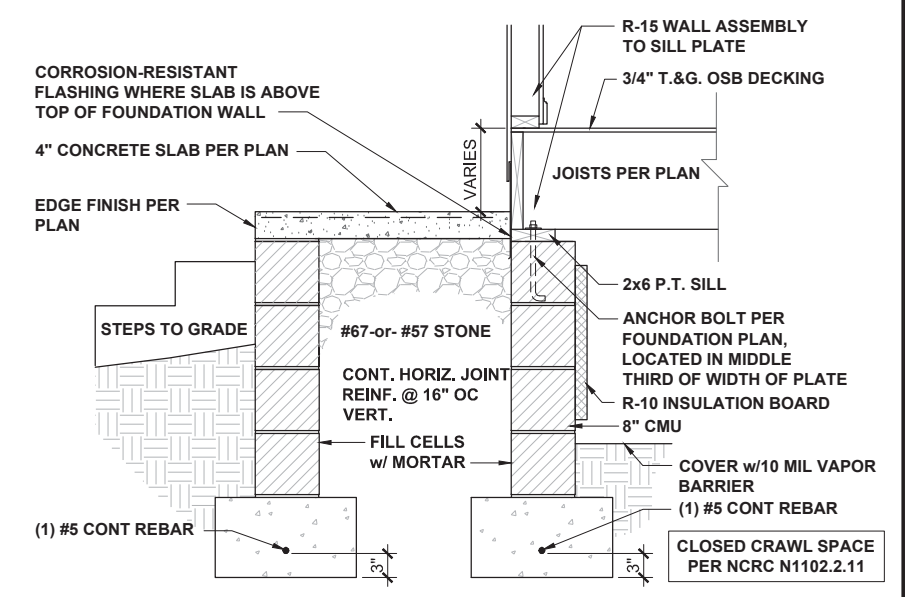
PIER AND GIRDER 3/8" = 1'-0" **3**



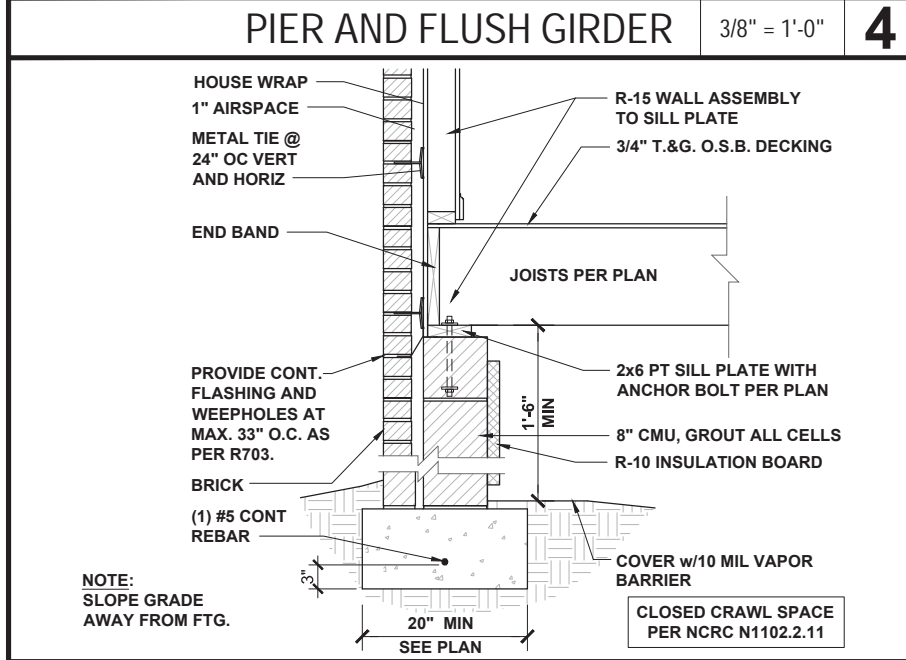
PIER AND FLUSH GIRDER 3/8" = 1'-0" **4**



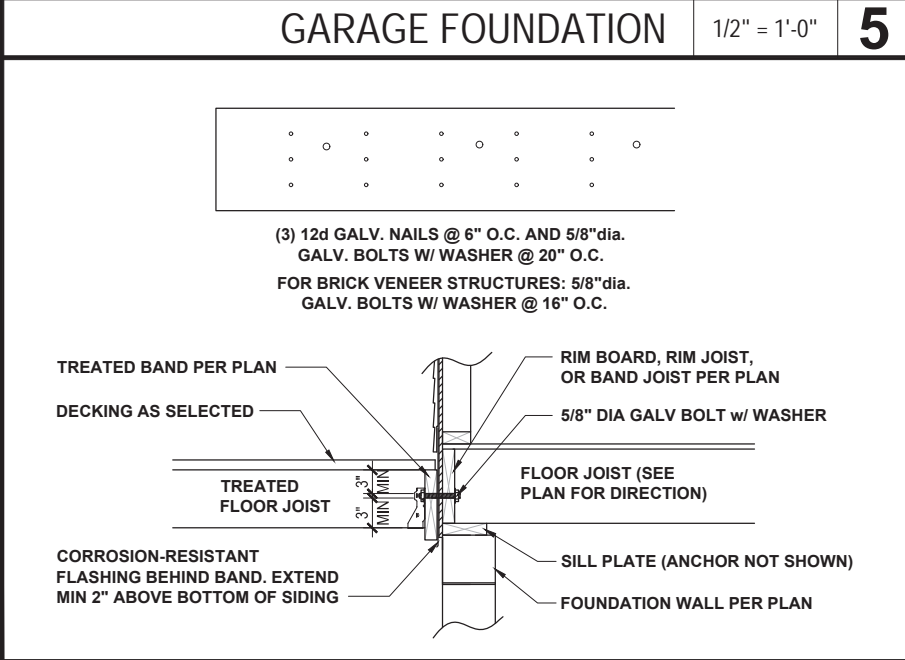
GARAGE FOUNDATION 1/2" = 1'-0" **5**



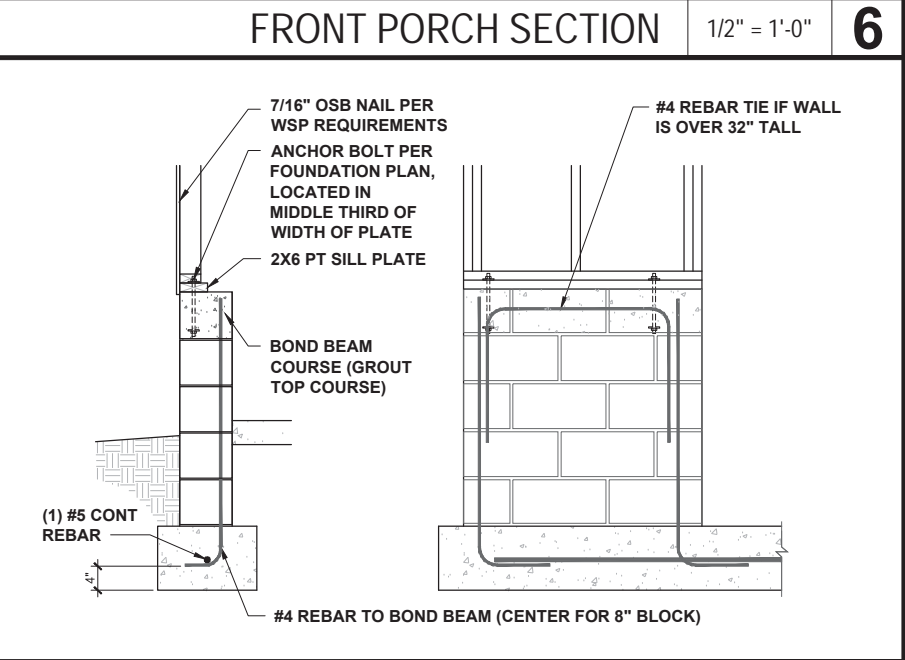
FRONT PORCH SECTION 1/2" = 1'-0" **6**



CRAWL AT EXTERIOR WALL 1/2" = 1'-0" **7**



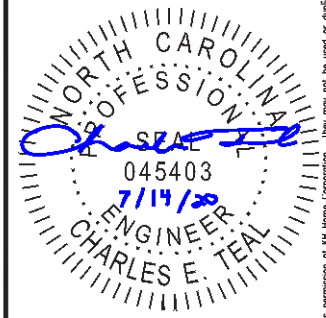
DECK ATTACHMENT 1/2" = 1'-0" **8**



GARAGE WING WALL 3/8" = 1'-0" **9**



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P-0961
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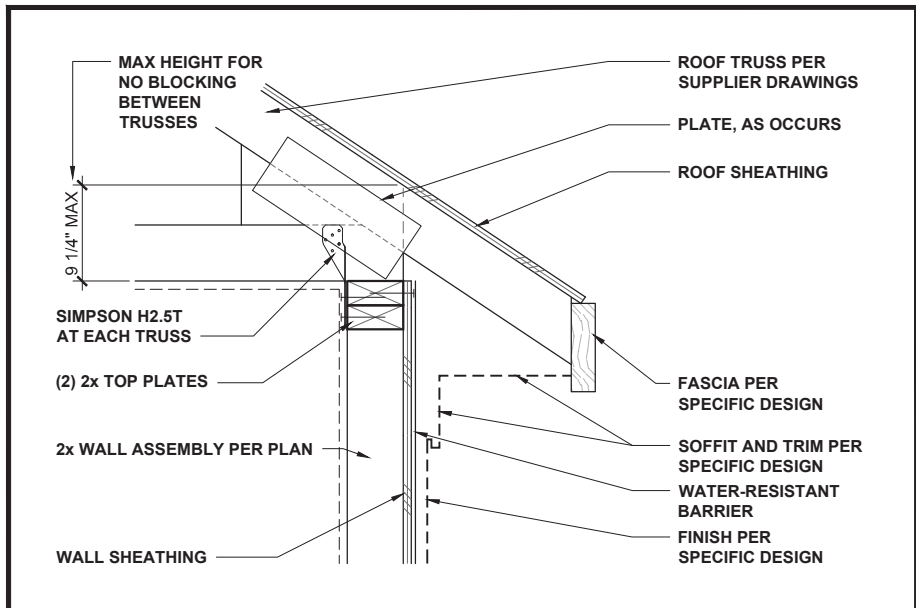


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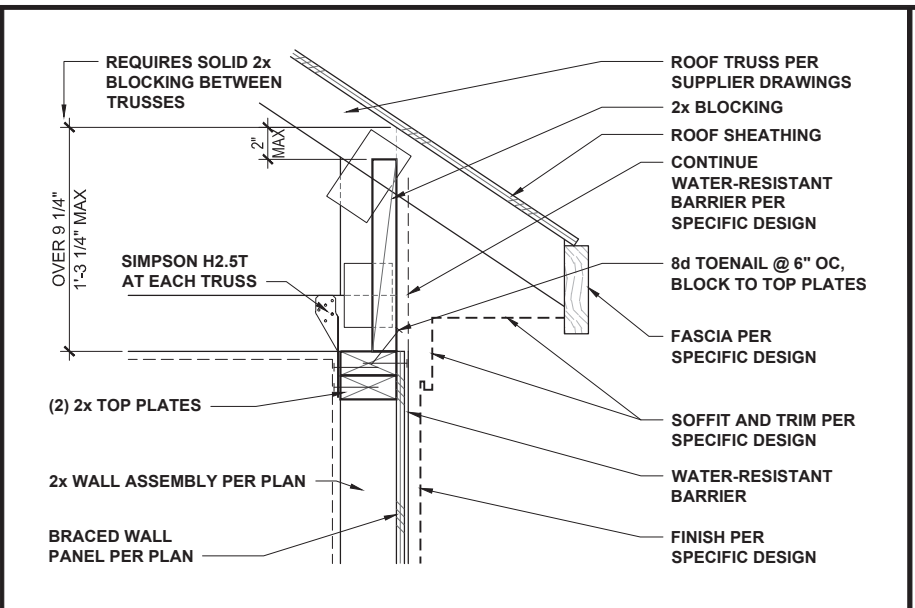
PLAN:
240.2596

CRAWL SPACE
FOUNDATION DETAILS
D3.0

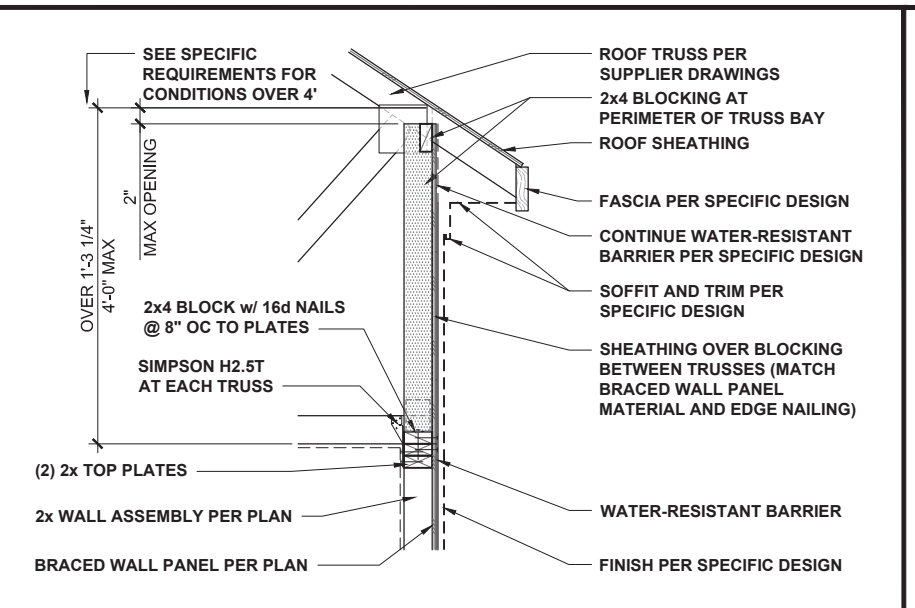
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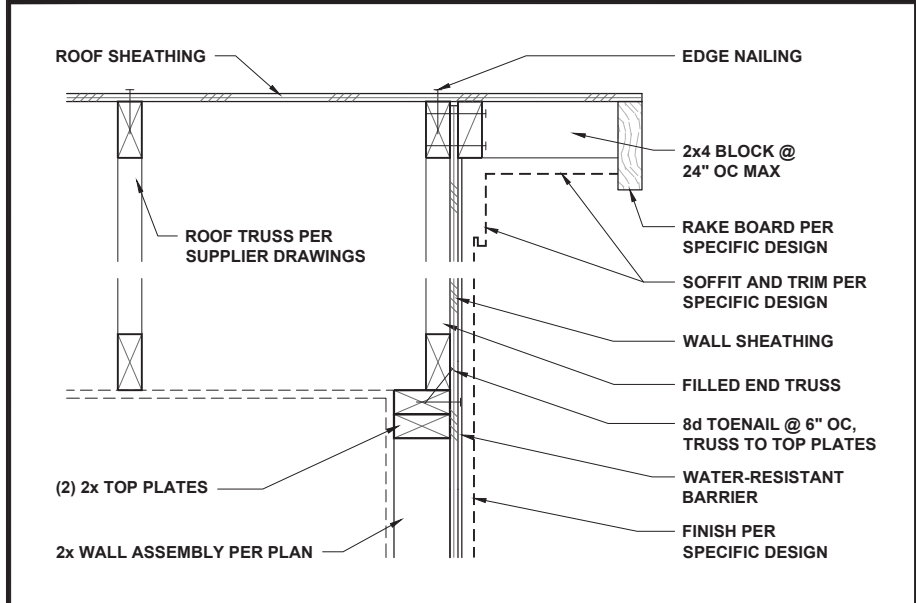
LOW-HEEL TRUSS AT WALL 1" = 1'-0" **1**



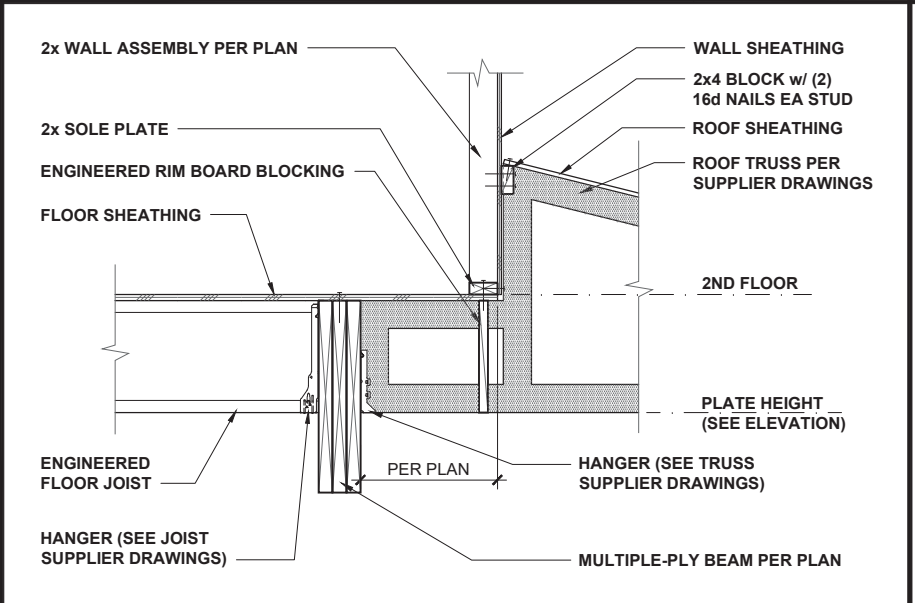
TYPICAL TRUSS AT BRACED WALL 1" = 1'-0" **2**



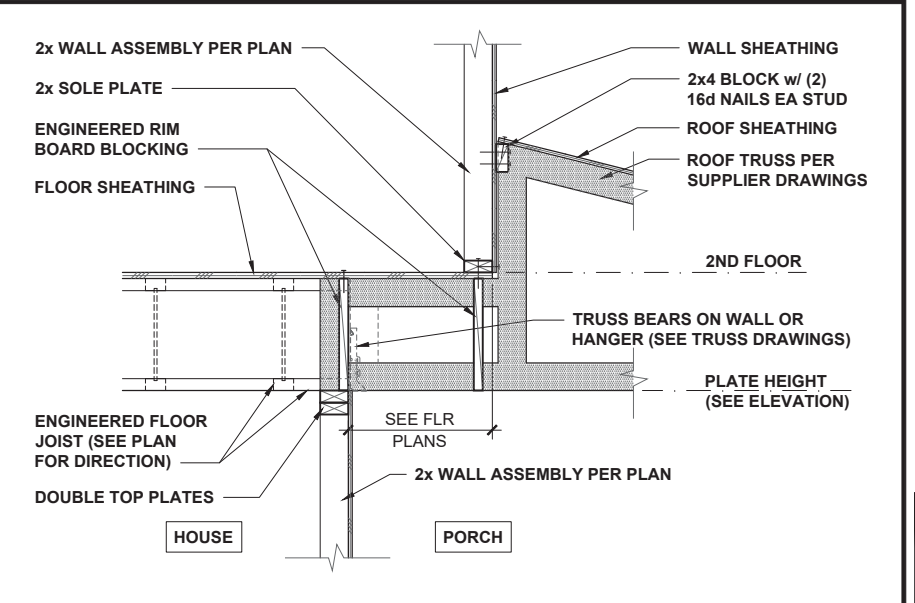
HIGH-HEEL TRUSS AT BRACED WALL 1/2" = 1'-0" **3**



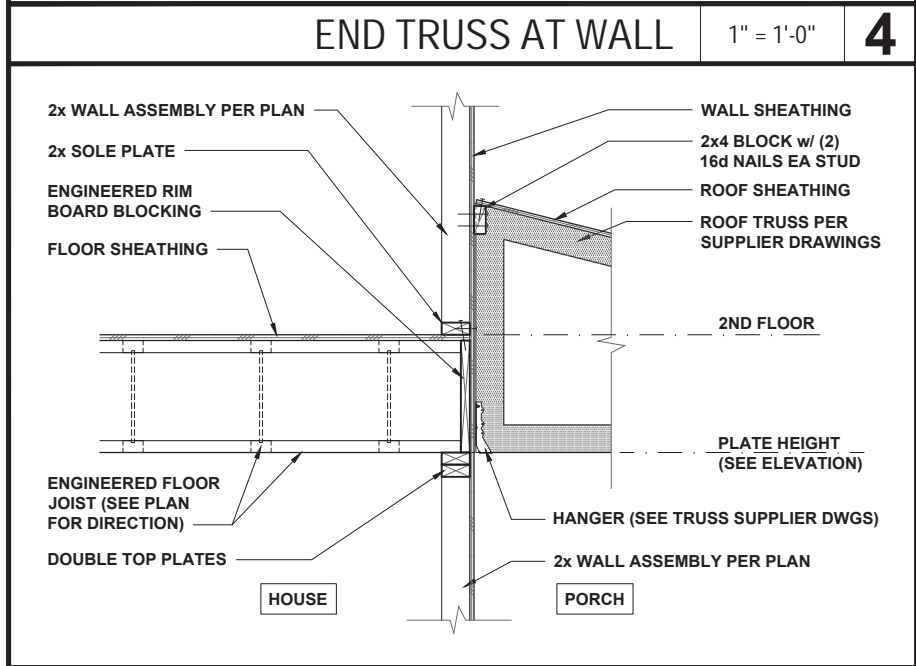
END TRUSS AT WALL 1" = 1'-0" **4**



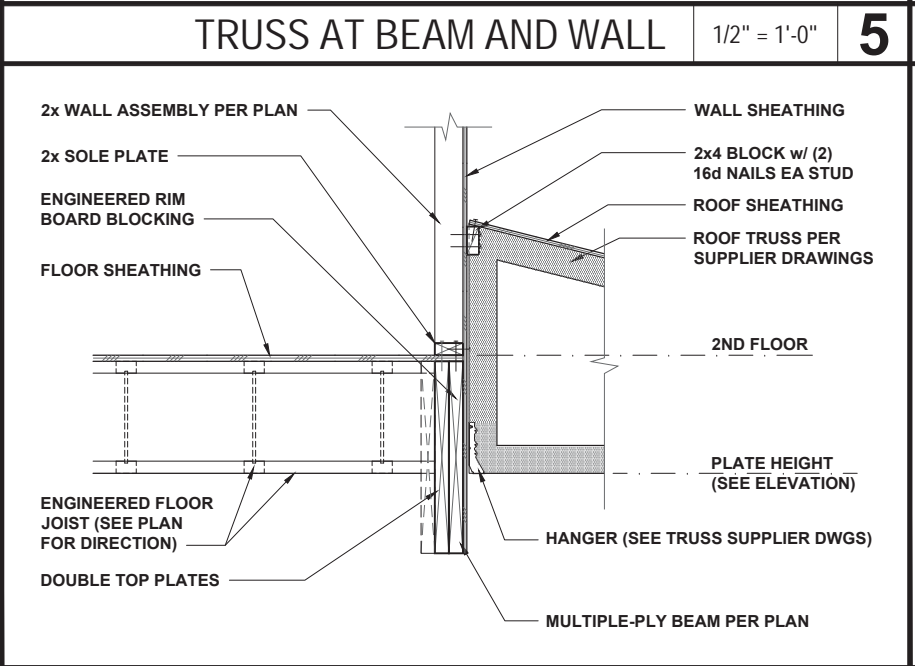
TRUSS AT BEAM AND WALL 1/2" = 1'-0" **5**



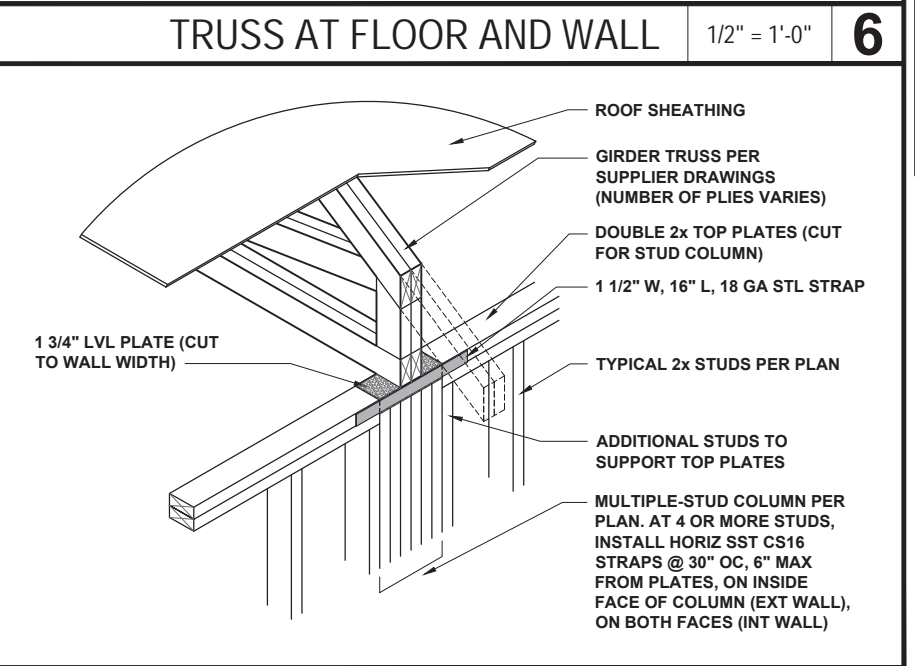
TRUSS AT FLOOR AND WALL 1/2" = 1'-0" **6**



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



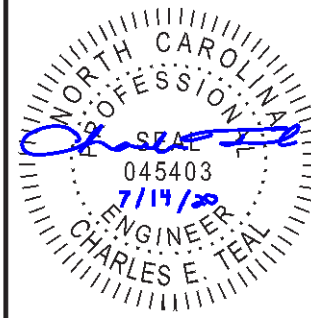
TRUSS AT BEAM AND WALL 1/2" = 1'-0" **8**



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



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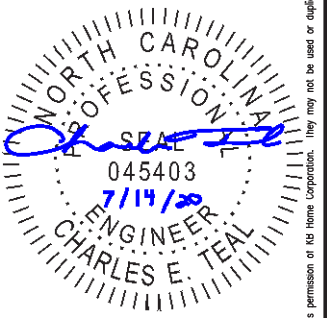
ROOF TRUSS FRAMING DETAILS

D4.0

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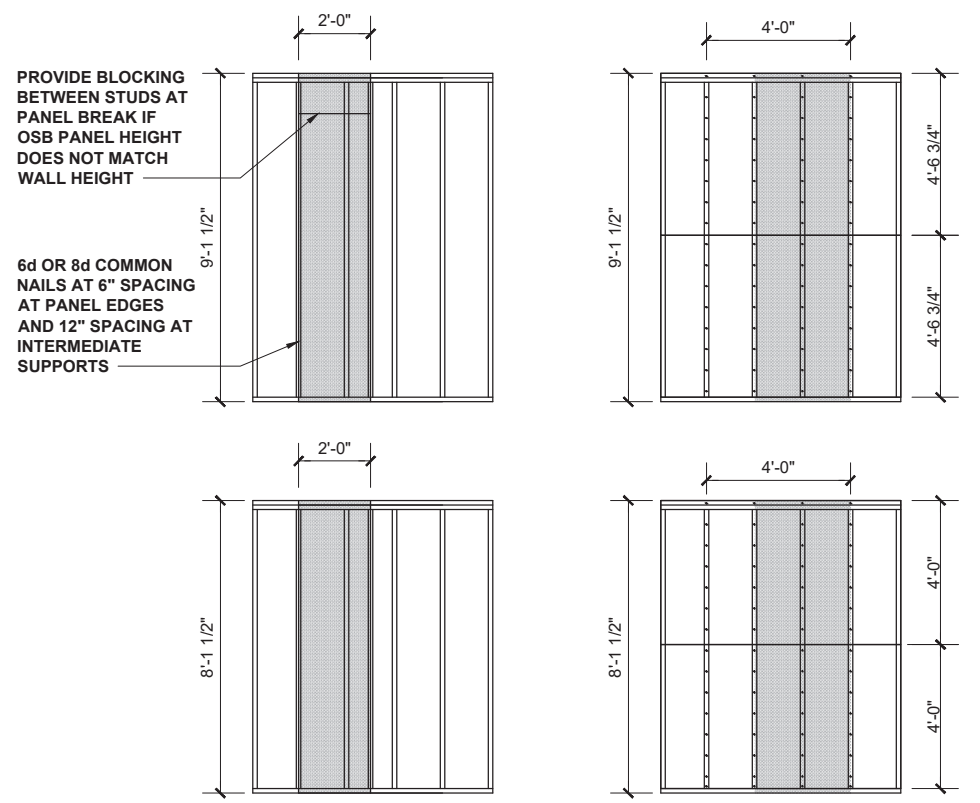
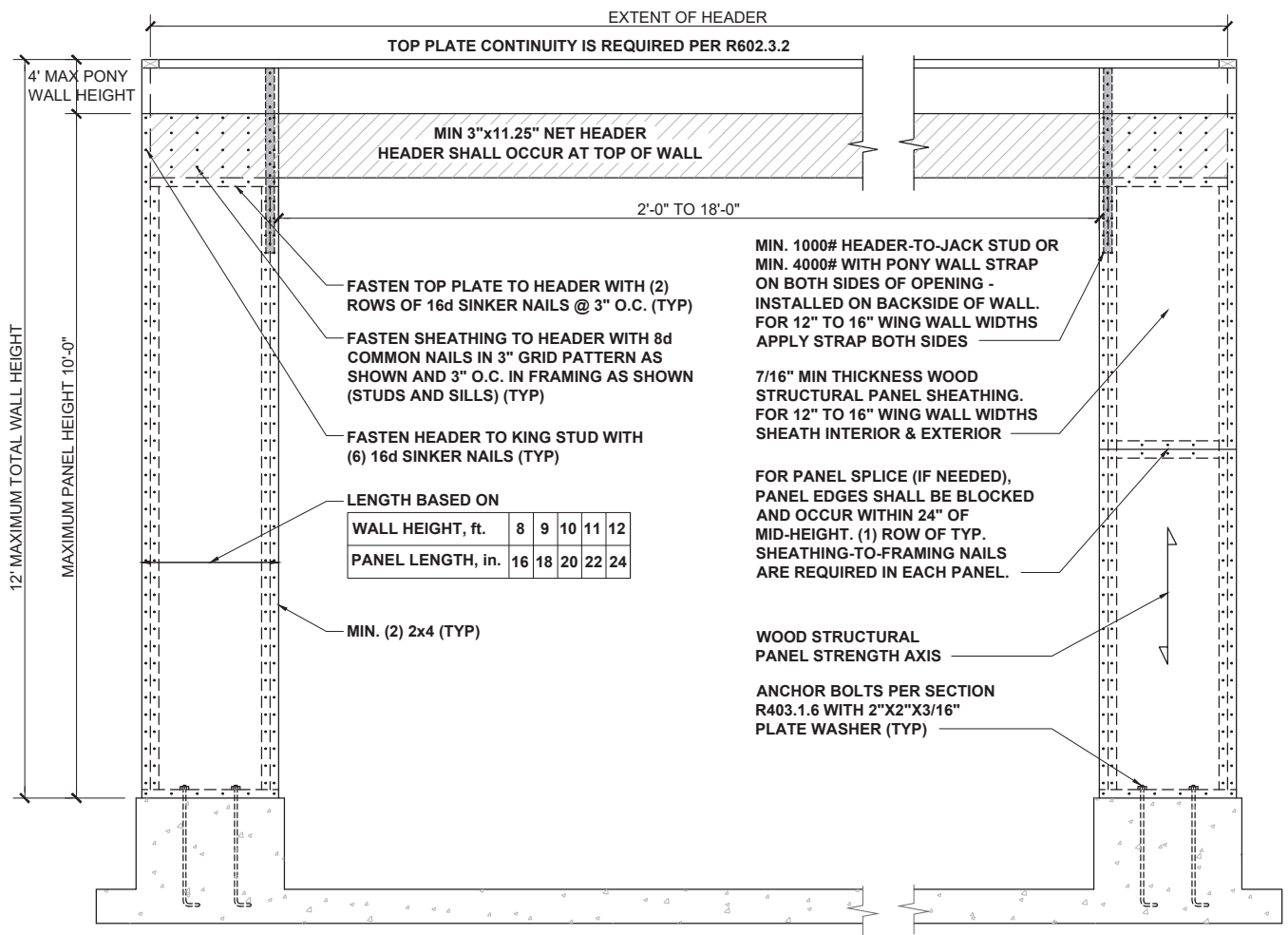
PROJECT NO.: 20901051
DATE: 07/14/2020

PLAN:
240.2596

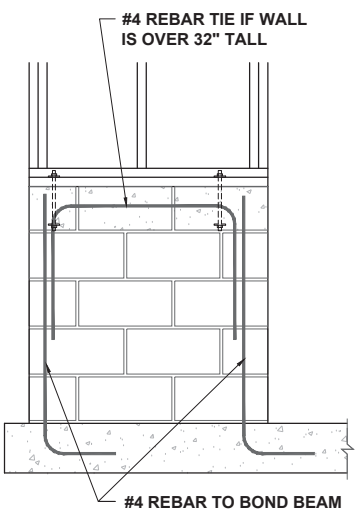
WALL BRACING DETAILS

D8.0

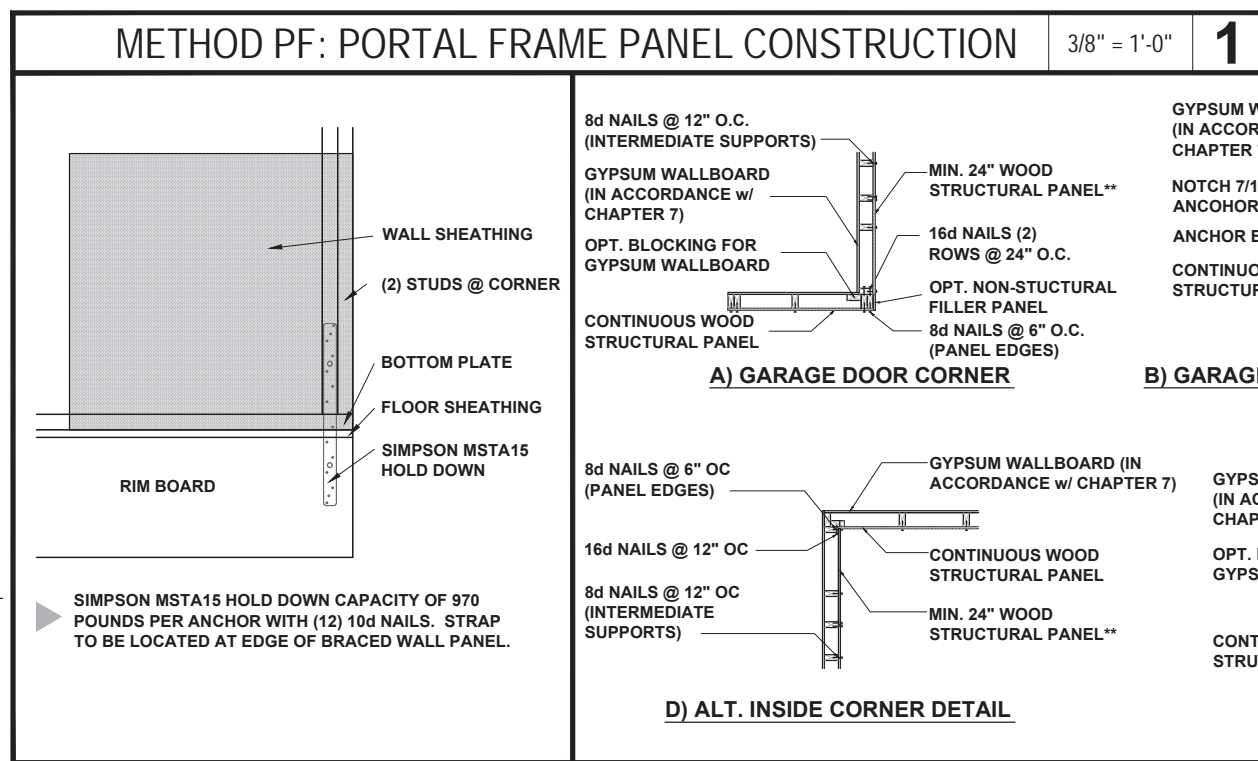
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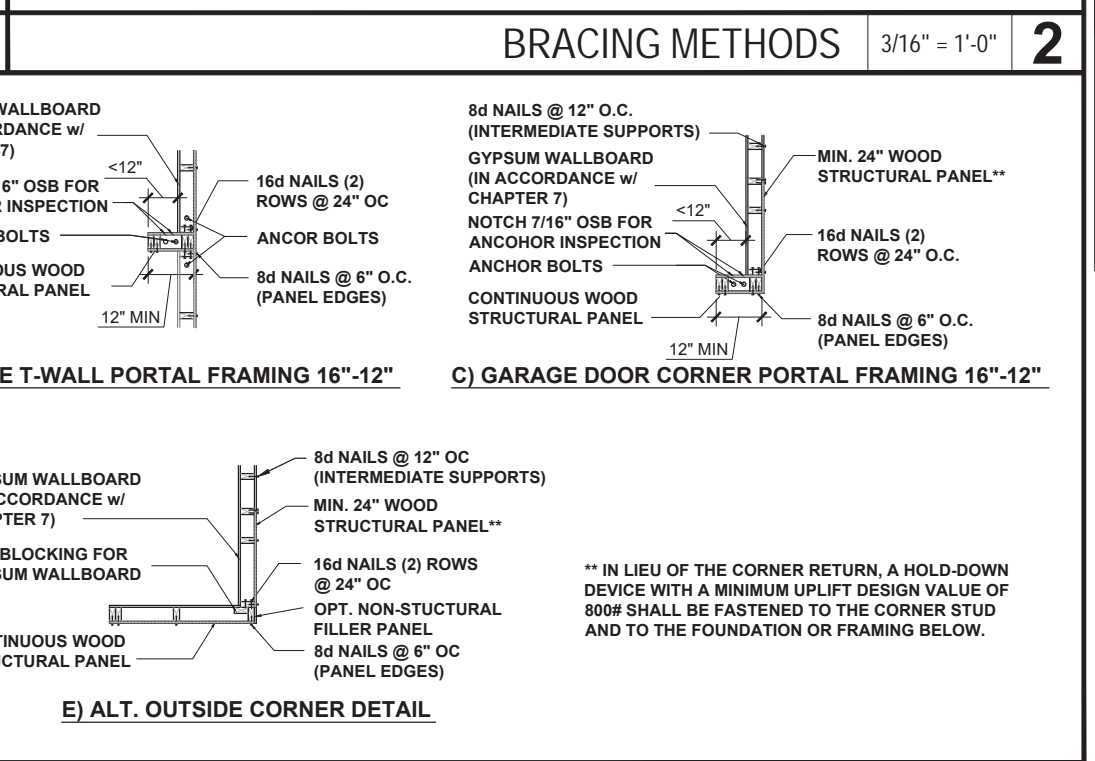
HIGH-SPEED WIND ZONES
FOR LOCATIONS OF 130 MPH OR MORE ULTIMATE DESIGN WIND SPEED (110 MPH OR MORE BASIC WIND SPEED IN VIRGINIA AND GEORGIA), WALLS SHALL BE BRACED PER THE LATEST ADOPTED EDITION OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS PUBLICATION ASCE 7 OR STANDARD FOR RESIDENTIAL CONSTRUCTION IN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



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

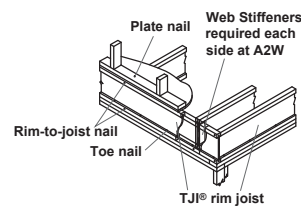


BRACED WALL HOLD-DOWN NTS **3**

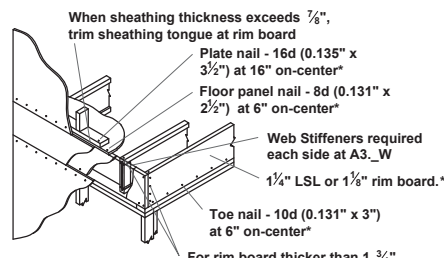


CORNER FRAMING FOR CONTINUOUS SHEATHING 1/4" = 1'-0" **4**

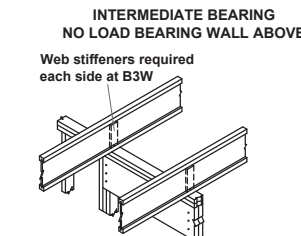
JOIST DETAILS



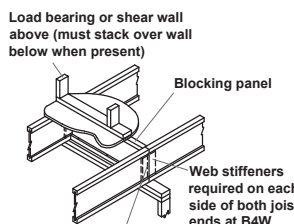
A2 A2W Must have 1 3/4" minimum joist bearing at ends. Attach rim joist per A3 detail.



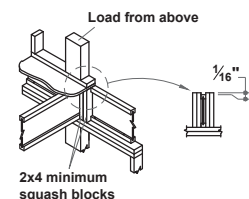
A3 A3W For rim board thicker than 1 3/4" - Attach Joist to rim board with one 10d (0.128"x3") nail. Top nail from joist into rim board. - Connect corner with four 10d (0.128"x3") nails. Toe nail from side of parallel closure into rim board



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



B4 B4W End of joists at centerline of support



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

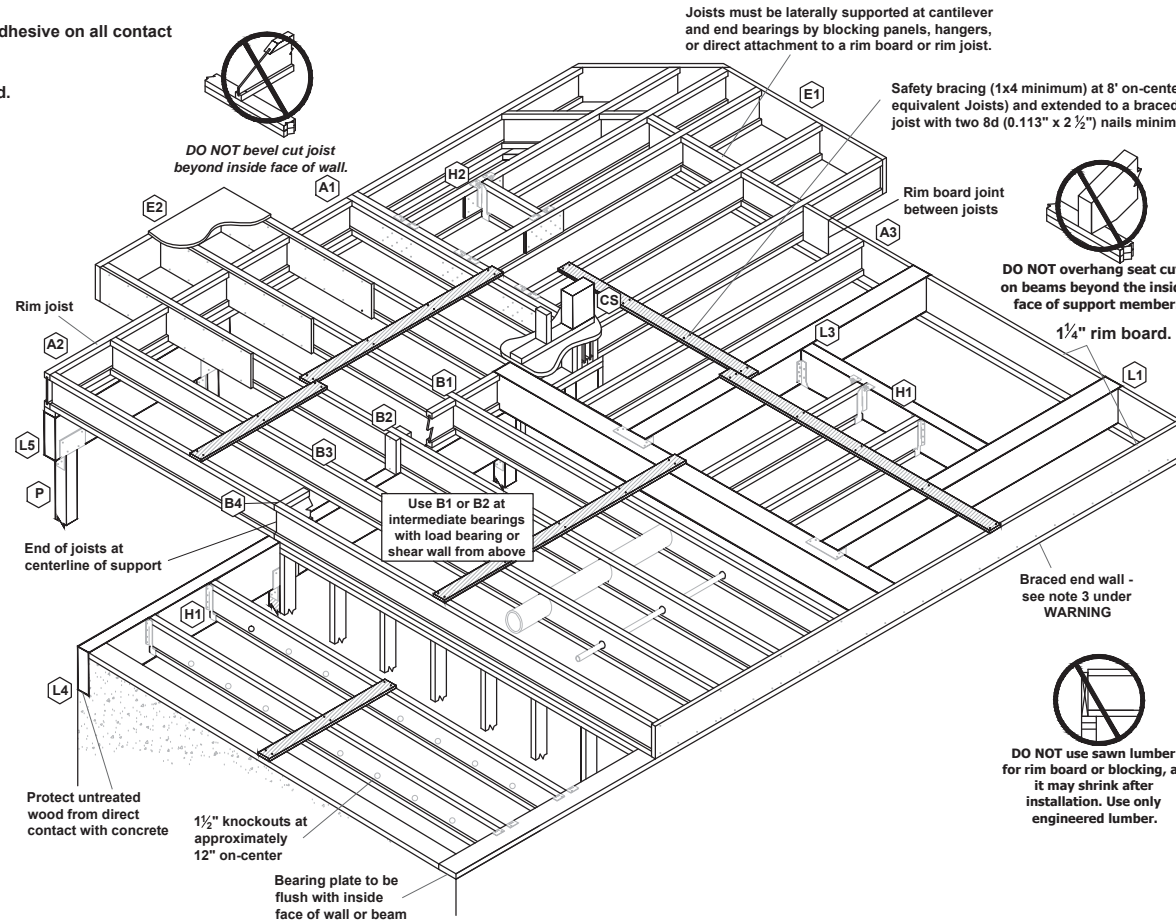
FASTENING of FLOOR PANELS

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")	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

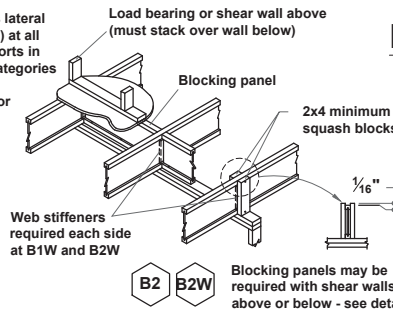
I-Joists	110 EQ. *	210 EQ. *	230 or 360 EQ. *	560 EQ. *
Depth	9 1/2" or 11 1/4"	9 1/2" or 11 1/4"	9 1/2" or 14" or 11 1/4" or 16"	11 1/8" 14" or 18" or 16" or 20"
Filler Block (1) (Detail H2)	2x6 2x8	2x6 + 3/8" sheathing 2x8 + 3/8" sheathing	2x6 + 1/2" sheathing 2x8 + 1/2" sheathing	Two 2x6 Two 2x8 Two 2x12
Cantilever Filler (Detail E4)	2x6 4'-0" long	2x6 + 3/8" sheathing 2x10 + 3/8" sheathing 6'-0" long	2x6 + 1/2" sheathing 2x10 + 1/2" sheathing 6'-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).

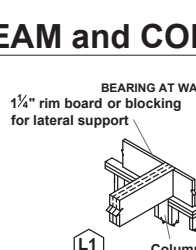
Joists must be laterally supported at cantilever and end bearings by blocking panels, hangers, or direct attachment to a rim board or rim joist.

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).

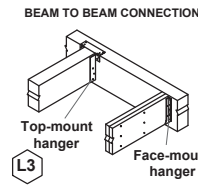
BEAM and COLUMN DETAILS



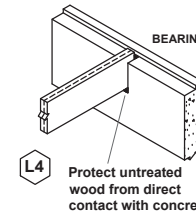
B1 B1W Blocking panels may be required with shear walls above or below - see detail B1



L1 Column



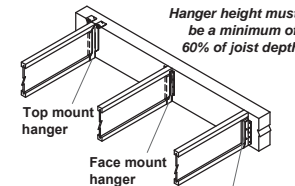
L3 Top-mount hanger Face-mount hanger



L4 Protect untreated wood from direct contact with concrete



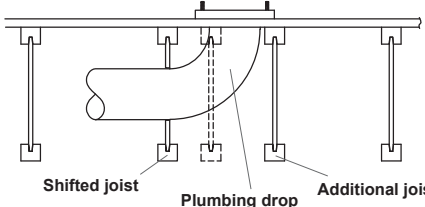
L5 Verify column capacity and beam bearing length.



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

INSTALLATION TIPS

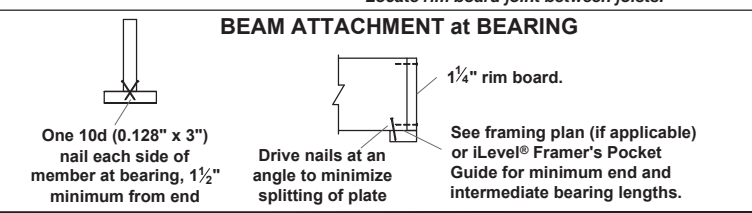
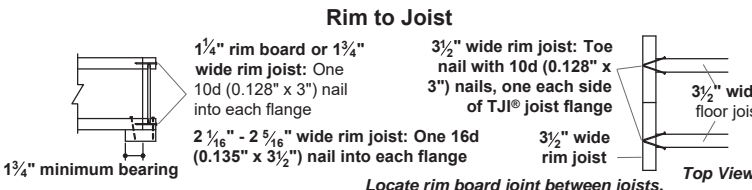
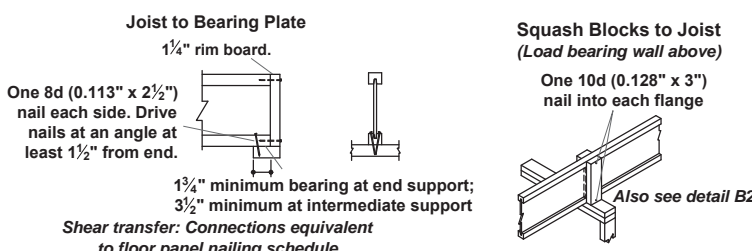
- Subfloor adhesive will improve floor performance, but may not be required.
- Squash blocks and blocking panels carry stacked vertical loads (details B1 and B2). Packing out the web of a joist (with web stiffeners) is not a substitute for squash blocks or blocking panels.
- When joists are doubled at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



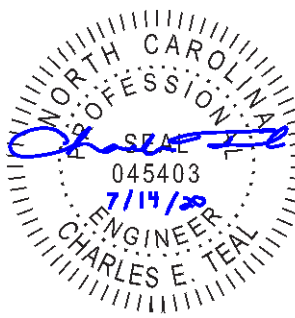
* I-JOIST EQUIVALENCY CHART

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 6000	EverEdge 30
	TJI - 560	BCI 90'S	EverEdge 50/60
	TJI - 110	BCI 4500	
16"	TJI - 210	BCI 5000	
	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	
16"	TJI - 230	BCI 6000	EverEdge 20
	TJI - 360	BCI 60'S	EverEdge 30
	TJI - 560	BCI 90'S	EverEdge 50/60

JOIST NAILING REQUIREMENTS at BEARING



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ENGINEERED JOIST
DETAILS
D9.0

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