



NORTH CAROLINA 40' SERIES PLAN 238.2338

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PLAN #238.2338

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- AD6 ARCHITECTURAL DETAILS
- AD7 ARCHITECTURAL DETAILS
- AD8 ARCHITECTURAL DETAILS



NORTH CAROLINA 40' SERIES

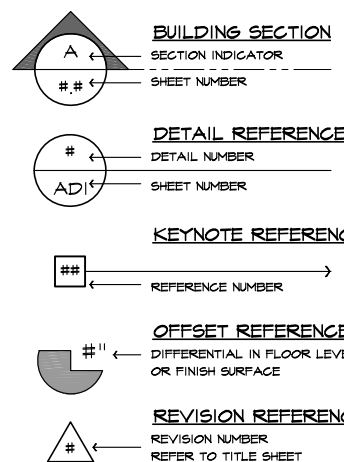
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2018 NORTH CAROLINA STATE BUILDING CODES

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. | GALVANIZED IRON | S.C. | SOLID CORE |
| ALT. | ALTERNATE | S.D. | GLASS | S.D. | SMOKE DETECTOR |
| AMP. | AMPERAGE | SEC. | GYP. BOARD | SEC. | SECTION |
| BD. | BOARD | S.H. | HOLLOW CORE | S.H. | SINGLE HUNG |
| CL. | CENTER LINE | SHT. | HEADER | SHT. | SHEET |
| CAB. | CABINET | SHTS. | HGT. / HT. | SHTS. | SHEATHING |
| CLG. | CEILING | SHWR. | HDR. | SHWR. | SHOWER |
| CLR. | CLEAR | SHWR. | HGT. / HT. | SHWR. | SHOWER |
| CONC. | CONCRETE | SIM. | HDR. | SIM. | SIMILAR |
| CPT. | CARPET | SL. | HDR. | SL. | SLIDING |
| C.T. | CERAMIC TILE | SLD. | HDR. | SLD. | SLIDING GLASS |
| D. | DRYER | SLD. | HDR. | SLD. | SLIDING GLASS |
| DBL. | DOUBLE | STD. | HDR. | STD. | STANDARD |
| D.G. | DUAL GLAZED | S.V. | HDR. | S.V. | SHEET VINYL |
| DIA. | DIAMETER | THK. | HDR. | THK. | THICK |
| DIM. | DIMENSION | T.O.C. | HDR. | T.O.C. | TOP OF CURB |
| DISP. | DISPOSAL | T.O.P. | HDR. | T.O.P. | TOP OF PLATE |
| D.L. | DIVIDED LIGHT | T.O.S. | HDR. | T.O.S. | TOP OF SLAB |
| DP. | DEEP | TYP. | HDR. | TYP. | TYPICAL |
| DR. | DOOR | U.N.O. | HDR. | U.N.O. | UNLESS NOTED OTHERWISE |
| D.S. | DOWNSPOUT | V.P. | HDR. | V.P. | VAPOR PROOF |
| DTL. | DETAIL | W. | HDR. | W. | WASHER |
| D.W. | DISHWASHER | W. | HDR. | W. | WASHER |
| EA. | EACH | W. | HDR. | W. | WASHER |
| ELEV. | ELEVATION | W. | HDR. | W. | WASHER |
| EQ. | EQUAL | W. | HDR. | W. | WASHER |
| EXH. | EXHAUST | W. | HDR. | W. | WASHER |
| EXT. | EXTERIOR | W. | HDR. | W. | WASHER |
| FAU. | FORCED AIR UNIT | W. | HDR. | W. | WASHER |
| F.C. | FIBER CEMENT | W. | HDR. | W. | WASHER |
| F.G./F.X. | FIXED GLASS | W. | HDR. | W. | WASHER |
| F.G. | FUEL GAS | W. | HDR. | W. | WASHER |
| FIN. | FINISH | W. | HDR. | W. | WASHER |
| FLR. | FLOOR | W. | HDR. | W. | WASHER |
| FLR. LINE | FLOOR LINE | W. | HDR. | W. | WASHER |
| FLUOR. | FLUORESCENT | W. | HDR. | W. | WASHER |
| FR. DR. | FRENCH DOOR | W. | HDR. | W. | WASHER |
| F.M.C. | FLOOR MATERIAL CHANGE | W. | HDR. | W. | WASHER |
| FTG. | FOOTING | W. | HDR. | W. | WASHER |
| GA. | GAUGE | W. | HDR. | W. | WASHER |
| GAR. DISP. | GARBAGE DISPOSAL | W. | HDR. | W. | WASHER |

ARCH. SYMBOLS



SCALE NOTE

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

CONSULTANTS

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SQUARE FOOTAGE

| PLAN 238.2338 | | | |
|-------------------|-------------|----------------|--|
| FIRST FLOOR AREA | 494 | SQ. FT. | |
| SECOND FLOOR AREA | 1844 | SQ. FT. | |
| TOTAL AREA | 2338 | SQ. FT. | |
| GARAGE AREA | 421 | SQ. FT. | |
| PORCH AREA(S) | | | |
| ELEVATION 'A' | 79 | SQ. FT. | |
| ELEVATION 'B' | 62 | SQ. FT. | |
| ELEVATION 'C' | 146 | SQ. FT. | |
| ELEVATION 'D' | 174 | SQ. FT. | |
| PATIO AREA(S) | | | |
| COVERED | 100 | SQ. FT. | |
| EXTENDED COVERED | 200 | SQ. FT. | |
| DECK AREA(S) | | | |
| DECK | 144 | SQ. FT. | |
| EXTENDED DECK | 252 | 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 |
|-------|----------|---------------------------------------------------------------------------------|---------------|
| 8 | 01/15/19 | T.S, GN1, GN2, GN3, 5.1-5.4 | NC19015NCP |
| 9 | 04/01/19 | 1.1, 2.1, 3.A1, 3.B2, 3.C2, 3.D2, 5.1 | NC19017NCP |
| 10 | 04/26/19 | 1.1, 2.1, 4.2, 4.3 | NC19032NCP |
| 11 | 08/28/19 | 1.1-1.5, 2.1, 3.A2+3, 3.B1+3+4, 3.C1+3+4, 3.D1+3+4, 7.1, 7.2, 8.1-8.6, 9.1, 9.2 | NC19054NCP |
| 12 | 09/26/19 | 3.A1, 3.A3, 3.B2, 3.B5, 3.C2, 3.C4, 8.2, 8.4 | NC19057NCP |
| 13 | 12/19/19 | 3.D2, 3.D4, 3.D5 | NC20008NCP |
| 14 | 01/17/20 | 2.3, 2.4, 3.A2, 3.B2, 3.C2, 3.D2, 3.D4, 3.D5 | NC20008NCP |
| 15 | 02/10/20 | 1.1, 3.B2, 3.B3, 3.B4, 3.B5, 3.B6, 3.B7, 3.D1, 3.D2, 3.D3, 3.D4, 3.D5 | NC20013NCP |
| 16 | 03/04/20 | TS, 1.4, 5.3, 8.3, 8.4 | NC20017NCP |
| 17 | 08/20/20 | 1.1, 1.3, 1.4, 4.1, 5.3 | CORP20009CORP |
| 19 | 01/06/21 | TS, 1.2, 1.5 | NC21005NCP |
| 20 | 05/19/21 | TS, 1.5, 5.4 | NC21033NCP |
| 21 | 12/17/21 | TS, 7.3 | NC21056NCP |

ISSUE DATE: 01/08/15
PROJECT No.: 1350999:56
DIVISION MGR.: DCS
REVISIONS: 12/17/21

- 15 DIVISION REVISION NC20015NCP - 02/10/20 - MCP
- 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
- 17 HOME OFFICE CORP20009CORP-08/20/20-CTD
- 18 ADD NOTE TO TS NC20037NCP - 10/06/20 - KBA
- 19 DIVISION REQ. REVISION NC21005NCP - 01/06/21 - KBA
- 20 DIVISION REQ. REVISION NC21033NCP - 05/19/21 - KBA
- 21 ADD DBCE OPTION NC21056NCP - 12/17/21 - CTD

| REVISION BY: | DATE | DESCRIPTION |
|--------------|------|-------------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |

PLAN:
238.2338
SHEET:
TS

SPEC. LEVEL 1
RALEIGH-DURHAM
40' SERIES



**NORTH CAROLINA
40' SERIES**

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**2018 NORTH
CAROLINA STATE
BUILDING
CODES**

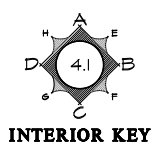
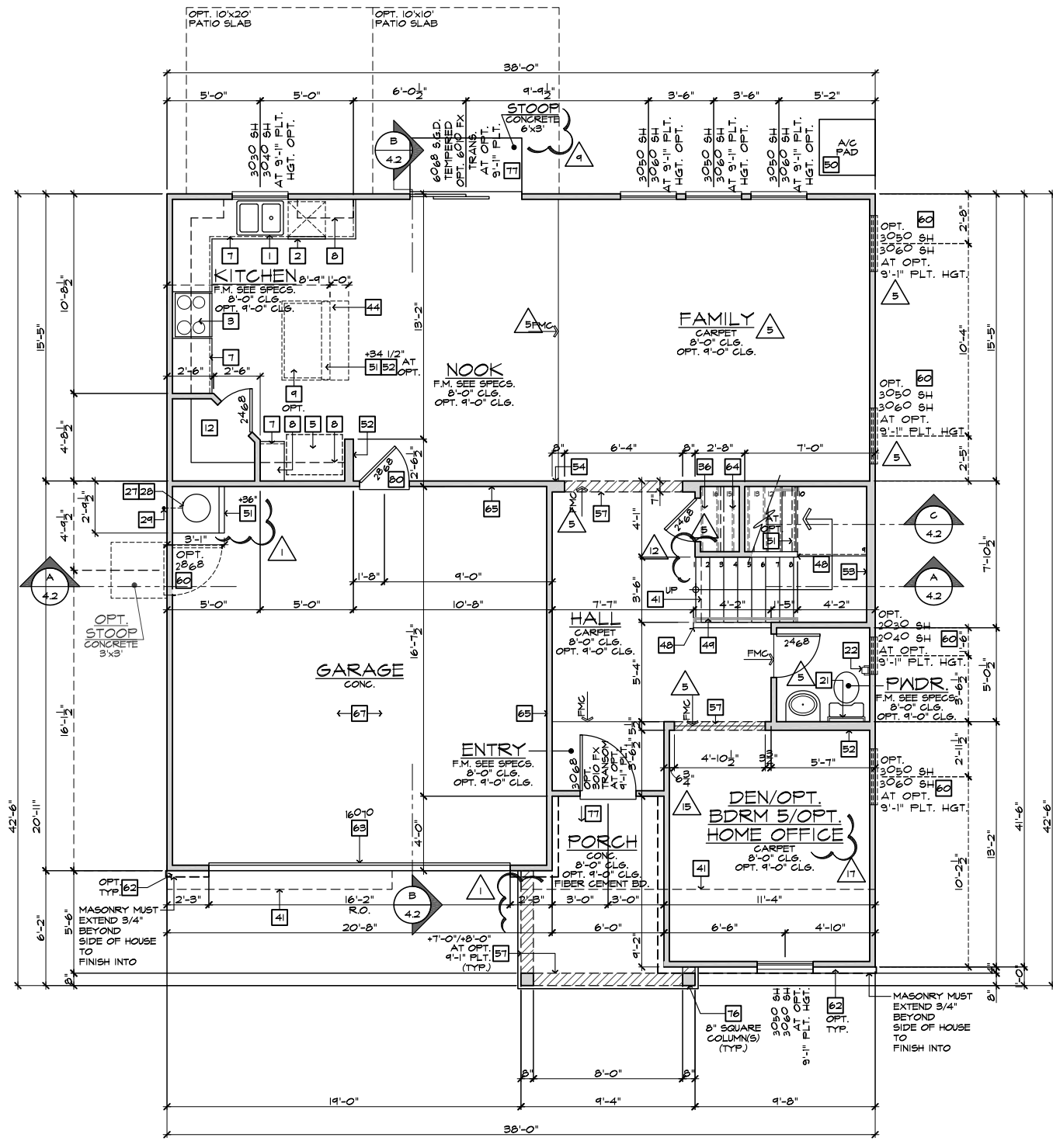
- ISSUE DATE: 01/08/15
- PROJECT No.: 1350999:56
- DIVISION MGR.: DCS
- REVISIONS: 08/20/20
- 11 DIVISION REVISION NC13654NCF - 08/28/19 - FAE
- 12 DIVISION REVISION NC13657NCF - 09/26/19 - FAE
- 13 DIVISION REVISION NC20003NCF - 12/19/19 - CL
- 14 VENTILATION NC20004NCF - 01/17/20 - CL
- 15 DIVISION REVISION NC20015NCF - 02/10/20 - MCP
- 16 DIVISION REVISION NC20017NCF - 03/04/20 - KBA
- 17 HOME OFFICE CORP20095CORP-08/20/20-CTD

| FOR INTERNAL USE ONLY | |
|-----------------------|------|
| REVISIONS | DATE |
| 1. | |
| 2. | |
| 3. | |
| 4. | |
| 5. | |
| 6. | |

PLAN:
238.2338
SHEET:
1.1

**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 MANUFURS' 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'G IN WALL
 - TOILET PAPER HOLDER - PROVIDE 2x SOLID BLK'G 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 ELEVATIONS
 - 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
 - FAUJ 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.) PLYON 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 WINDOW(S) ON ALL SIDES U.N.O.
 - SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
 - CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SIZE.
 - RESERVED
 - SLOPING LOW WALL 38" ABOVE ADJACENT TREADS
 - 20 MIN. FIRE-RATED DOOR



INTERIOR KEY

| SQUARE FOOTAGE PLAN 238.2338 | | |
|---------------------------------------------------------------------------------------------------|---------------------------|----------------|
| FIRST FLOOR AREA | 944 | SQ. FT. |
| SECOND FLOOR AREA | 1344 | SQ. FT. |
| TOTAL AREA | 2338 | SQ. FT. |
| GARAGE AREA | | |
| PORCH AREA(S) | 421 | SQ. FT. |
| PATIO AREA(S) | | |
| ELEVATION 'A' | 73 | SQ. FT. |
| ELEVATION 'B' | 62 | SQ. FT. |
| ELEVATION 'C' | 146 | SQ. FT. |
| ELEVATION 'D' | 174 | SQ. FT. |
| DECK AREA(S) | | |
| COVERED | 100 | SQ. FT. |
| EXTENDED COVERED | 200 | SQ. FT. |
| PLATE NOTES | | |
| 8'-1" PLATE NOTES | | |
| WINDOW HEADER HEIGHT: | 6'-8" U.N.O. | |
| 2ND FLOOR WINDOW HDR. HEIGHT: | 7'-0" U.N.O. | |
| 4010 WINDOW OVER TUB HDR. HGT.: | 8'-4" U.N.O. | |
| ENTRY DOOR HEIGHT: | 6'-8" (TEMP.) | |
| SLIDING GLASS DOOR HEIGHT: | 6'-8" (TEMP.) | |
| INTERIOR SOFFIT HEIGHT: | 7'-4" U.N.O. | |
| TRAY CEILING: | 7" RISE INTO TRUSS U.N.O. | |
| INTERIOR DOOR HEIGHT: | 6'-8" U.N.O. | |
| 9'-1" PLATE NOTES | | |
| WINDOW HEADER HEIGHT 1st FL.: | 8'-0" U.N.O. | |
| WINDOW HEADER HEIGHT 2nd FL.: | 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" RISE INTO TRUSS U.N.O. | |
| INTERIOR DOOR HEIGHT: | 6'-8" U.N.O. | |
| STAIR DATA NOTES | | |
| FIRST FLOOR WITH 8" PLATE HEIGHT: | | |
| 14" DEEP T.J.I. FLOOR JOISTS WITH 3/4" T&G DECKING. | | |
| 14 TREADS AT 10" EACH | | |
| 15 RISERS AT 7-1/16" EACH | | |
| FIRST FLOOR WITH 9" 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 JAMBS, U.N.O. | | |

FIRST FLOOR PLAN 'A'

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

BASIC PLAN

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**NORTH CAROLINA
40' SERIES**

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

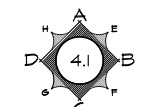
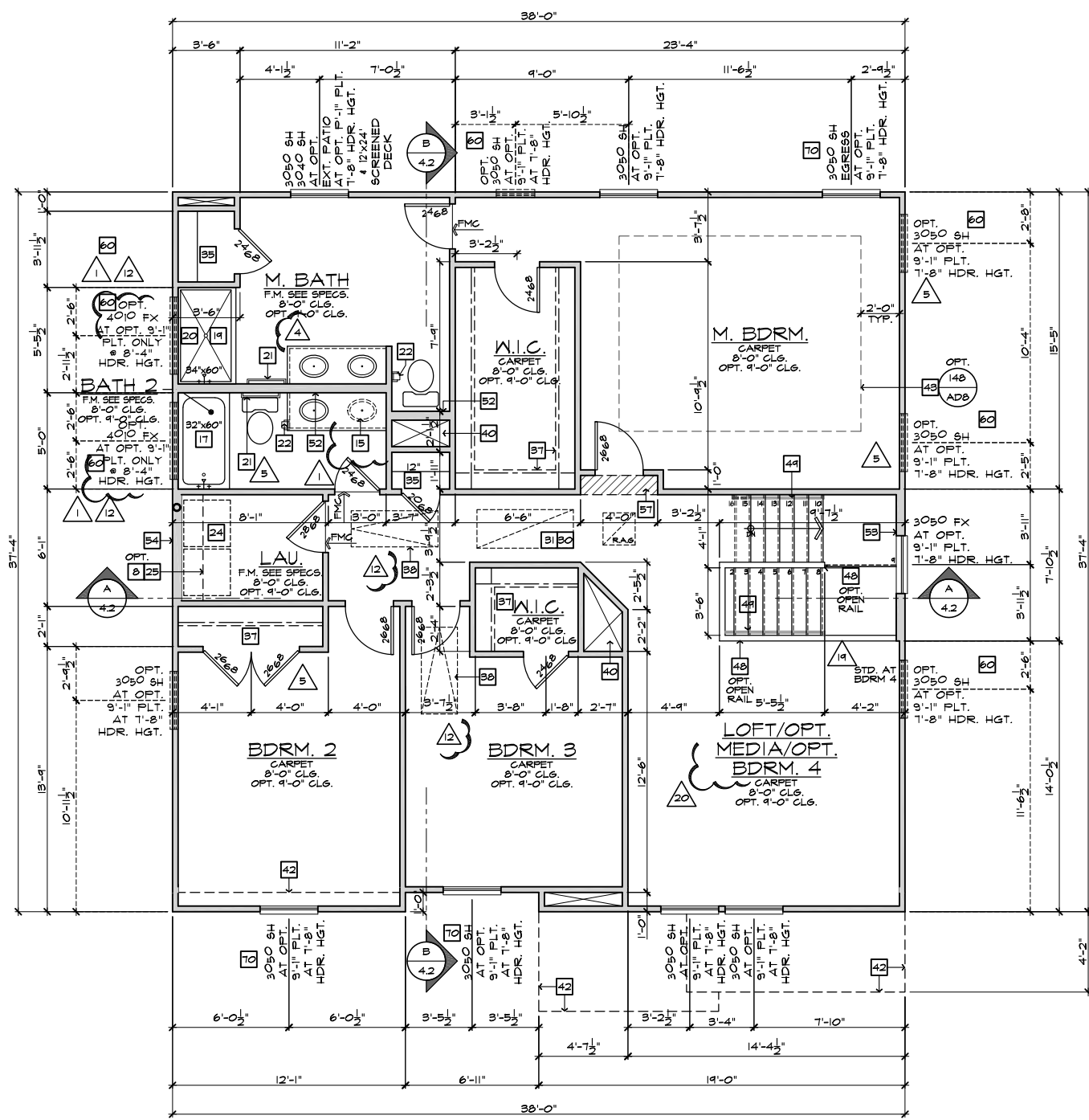
**2018 NORTH
CAROLINA STATE
BUILDING
CODES**

- ISSUE DATE: 01/08/15
PROJECT No.: 1350999:56
DIVISION MGR.: DCS
REVISIONS: 08/20/20
- 11 DIVISION REVISION NC13654NCF - 08/28/19 - FAE
 - 12 DIVISION REVISION NC13657NCF - 09/26/19 - FAE
 - 13 DIVISION REVISION NC20003NCF - 12/19/19 - CL
 - 14 VENTILATION NC20004NCF - 01/17/20 - CL
 - 15 DIVISION REVISION NC20003NCF - 02/10/20 - MCP
 - 16 DIVISION REVISION NC20017NCF - 03/04/20 - KBA
 - 17 HOME OFFICE CORP20005CORP-08/20/20-CTD
 - 18 ADD NOTE TO TF NC20007NCF - 10/06/20 - KBA
 - 19 DIVISION REQ REVISION NC21005NCF - 01/06/21 - KBA
 - 20 DIVISION REQ REVISION NC21032NCF - 05/19/21 - KBA

PLAN:
238.2338
SHEET:
1.2

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

- # FLOOR PLAN NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
1. SINK - GARBAGE DISPOSAL OPTIONAL - VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS
 2. DISHWASHER - PROVIDE AIR GAP - VERIFY SPACING & DIMENSIONS PER MANUFACTURERS' SPECS
 3. SLIDE-IN RANGE/OVEN COMBINATION W/ BUILT-IN VENTED HOOD W/LIGHT & FAN, OR MICRO/HOOD COMBO - SEE SPECS
 4. 30" COOKTOP W/ BUILT-IN VENTED HOOD W/ LIGHT & FAN VERIFY WITH MANUFRS' SPECS
 5. 34" CLEAR REFRIGERATOR SPACE W/ OPTIONAL CABINETS ABOVE - OPT. PLUMBING FOR ICEMAKER (RECESSED IN WALL)
 6. COMBINATION DOUBLE OVEN OR OVEN/MICROWAVE OVEN OR OVEN VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS
 7. BASE CABINETS - REFER TO INTERIOR ELEVATIONS
 8. UPPER CABINETS - REFER TO INTERIOR ELEVATIONS
 9. ISLAND CABINET - REFER TO INTERIOR ELEVATIONS
 10. MIN. 12" BAR TOP/ BREAKFAST BAR
 11. DESK AREA - REFER TO INTERIOR ELEVATIONS
 12. BUILT-IN PANTRY (15" DEEP OR U.N.O.)
 13. SINK CABINET(S) - REFER TO INTERIOR ELEVATIONS
 14. SINK CABINET W/ EXTENDED VANITY & KNEE SPACE BELOW - REFER TO INTERIOR ELEVATIONS
 15. OPT. SINK - REFER TO INTERIOR ELEVATIONS.
 16. KNEE SPACE - REFER TO INTERIOR ELEVATIONS
 17. PRE-FAB. TUB/SHOWER COMBO W/ FIBERGLASS MAINSCOT TO T2 - VERIFY DIMENSIONS W/ MANUF'S SPECS
 18. OVAL TUB - VERIFY DIMENSIONS WITH MANUF'S SPECS.
 19. PRE-FAB. SHOWER PAN W/ 30" MIN. CLR. INSIDE & MAINSCOT TO T2 - VERIFY DIMENSIONS W/ MANUF'S SPECS
 20. SHATTERPROOF (TEMPERED) GLASS SHOWER ENCLOSURE.
 21. TOWEL BAR - PROVIDE 2x SOLID BLK'S IN WALL
 22. TOILET PAPER HOLDER - PROVIDE 2x SOLID BLK'S IN WALL
 23. RESERVED
 24. WASHER & DRYER: - PROVIDE WATER & WASTE FOR WASHER - RECESS WASHER CONTROL VALVES IN WALL - VENT DRYER TO OUTSIDE AIR - ACCOMMODATE APPLIANCES 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. FAUJ. LOCATION (REFER TO DETAIL B8/AD5)
 31. RESERVED
 32. LISTED FACTORY-BUILT GAS FIRED DEC. APPLIANCE (REF. B0/AD4) - INSTALL PER MFR. SPECS
 33. HEARTH TO BE INSTALLED PER FACTORY-BUILT FIREPLACE LISTING
 34. GAS APPLIANCE B' VENT FROM BELOW
 35. LINEN PER SPECS (15" DEEP OR U.N.O.)
 36. COAT CLOSET W/ SHELF & POLE (REFER TO DETAILS/AD4)
 37. WARDROBE W/ SHELF & POLE (REFER TO DETAILS/AD4)
 38. 22"X30" MIN. ATTIC ACCESS 25"X54" FULL DOWN LADDER R.O. ATTIC ACCESS TO BE PROTECTED
 39. LINE OF WALL BELOW
 40. DUCT CHASE
 41. LINE OF FLOOR ABOVE
 42. LINE OF FLOOR BELOW
 43. LINE OF OPTIONAL TRAY CEILING (REFER TO DETAIL 42/AD5)
 44. LINE OF HIP AT OPTIONAL VOLUME CEILING
 45. LINE OF RIDGE AT OPTIONAL VOLUME CEILING
 46. CEILING BREAK
 47. STAIR TREADS & RISERS - MIN. 10" TREAD & MAX. T 3/4" RISER - (REFER TO DETAIL B1-B2/AD5)
 48. MIN. 36" HIGH GUARDWALL (REFER TO DET. B3/AD5 & B5/AD5)
 49. 34" TO 36" HIGH HANDRAIL (REFER TO DETAIL B3/AD5)
 50. A/C PAD LOCATION
 51. LOW WALL - REFER TO PLAN FOR HEIGHT
 52. 2x6 STUD WALL
 53. 2x6 BALLOON FRAMED WALL PER STRUCTURAL
 54. DEL. 2x4 WALL PER PLAN
 55. INTERIOR SHELF-SEE PLAN FOR HT.
 56. MEDIA NICHE
 57. FLAT SOFFIT - SEE ELEV. FOR HGT.
 58. ARCHED SOFFIT - SEE ELEV. FOR HGT.
 59. WINDOW SEAT
 60. OPT. DOOR/ WINDOW
 61. PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) PYLON OR EQ. SURROUNDING STRUCTURAL POST.
 62. BRICK / STONE VENEER - REFER TO ELEVATIONS VENEER TO COMPLY WITH THE N.C.-R.
 63. SECTIONAL GARAGE DOOR PER SPECS
 64. MIN. 1/2" GYP. BD. ON CEILING & WALLS @ USEABLE SPACE UNDER STAIR.
 65. GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAN 1/2" GYP. BD. @ GARAGE SIDE WALLS & 5/8" UNDER LIVING AREA U.N.O.
 66. OPT. MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL B6/AD5)
 67. 5/8" TYPE-X GYP. IN GARAGE BETWEEN CEILING & FLOOR ABV.
 68. P.T. POST W/ WRAP
 69. CONCRETE STOOP, SIZE PER PLAN
 70. EGRESS WINDOW
 71. PROVIDE ADDITIONAL RISER(S) AT OPTIONAL PLATE HT.
 72. MDF TOP
 73. PLUMBING DROP FROM ABOVE
 74. ADJUST OPENING AT OPTION TO FIT THE DOOR SIZE SHOWN
 75. WINDOW LEDGE, HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOWS) ON ALL SIDES U.N.O.
 76. SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
 77. CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SIZE.
 78. RESERVED
 79. SLOPING LOW WALL 38" ABOVE ADJACENT TREADS
 80. 20 MIN. FIRE-RATED DOOR



INTERIOR KEY

| PLATE NOTES | |
|---------------------------------------------------------------------------------------------------|---------------------------|
| 8'-1" PLATE NOTES | |
| • WINDOW HEADER HEIGHT: | 6'-8" U.N.O. |
| • 2nd FLOOR WINDOW HDR. HEIGHT: | 7'-0" U.N.O. |
| • ENTRY DOOR HEIGHT: | 6'-8" U.N.O. |
| • SLIDING GLASS DOOR HEIGHT: | 6'-8" (TEMP.) |
| • INTERIOR SOFFIT HEIGHT: | 7'-4" U.N.O. |
| • TRAY CEILING: | 7" RISE INTO TRUSS U.N.O. |
| • INTERIOR DOOR HEIGHT: | 6'-8" U.N.O. |
| 9'-1" PLATE NOTES | |
| • WINDOW HEADER HEIGHT 1st FL.: | 8'-0" U.N.O. |
| • WINDOW HEADER HEIGHT 2nd FL.: | 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" RISE INTO TRUSS 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 7-1/16" 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 JAMBS, U.N.O. | |

SECOND FLOOR PLAN 'A'

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

BASIC PLAN

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**NORTH CAROLINA
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FAX: (919) 544-2928

**2018 NORTH
CAROLINA STATE
BUILDING
CODES**

- ISSUE DATE: 01/08/15
PROJECT No.: 1350999:56
DIVISION MGR.: DCS
REVISIONS: 08/20/20
- 11 DIVISION REVISION NC13654NCF - 08/28/19 - FAE
 - 12 DIVISION REVISION NC13657NCF - 09/26/19 - FAE
 - 13 DIVISION REVISION NC20003NCF - 12/19/19 - CL
 - 14 VENTILATION NC20004NCF - 01/17/20 - CL
 - 15 DIVISION REVISION NC20013NCF - 02/10/20 - MCP
 - 16 DIVISION REVISION NC20017NCF - 03/04/20 - KBA
 - 17 HOME OFFICE CORP20005CORP-08/20/20-CTD

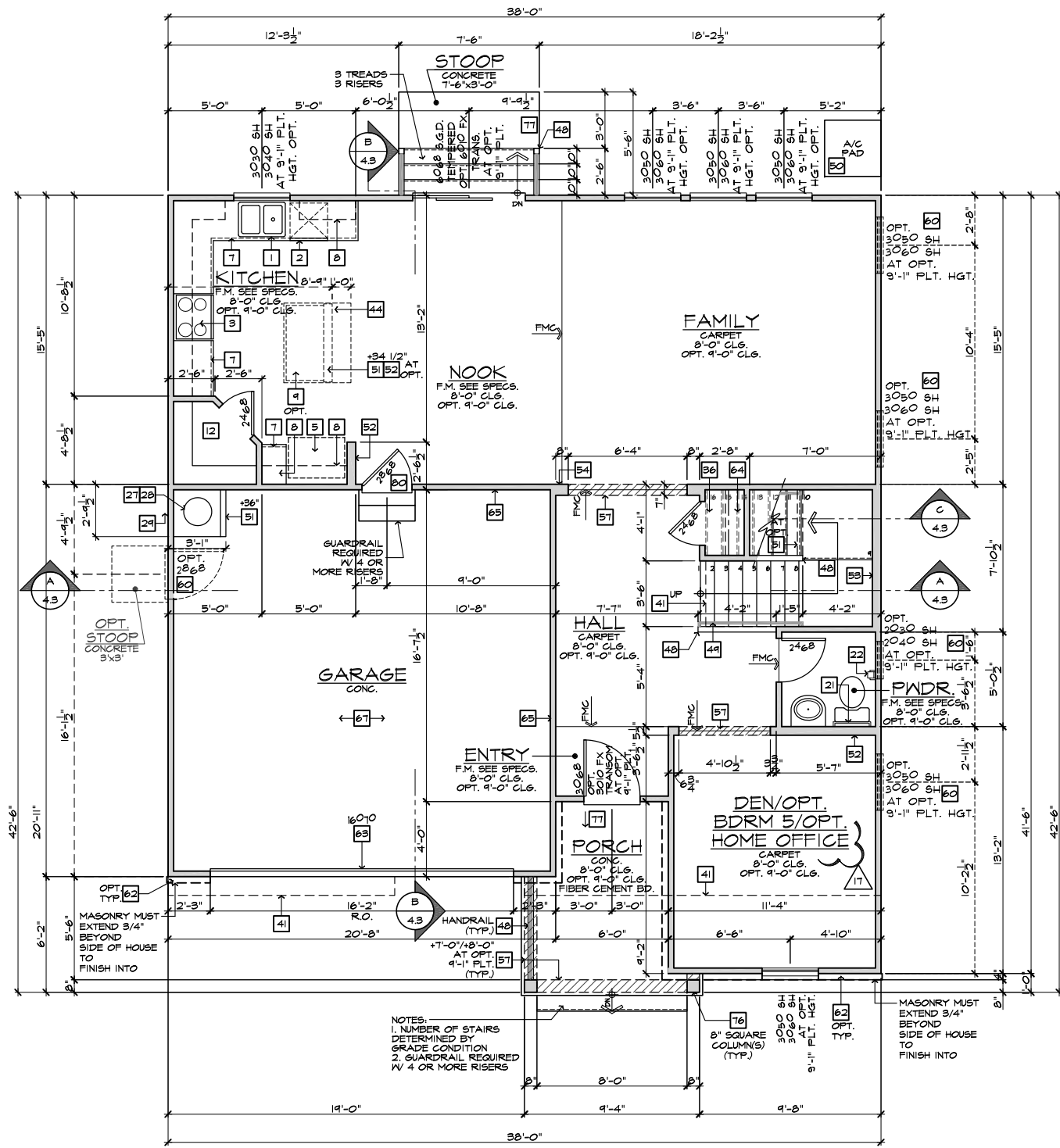
FOR INTERNAL USE ONLY

| REVISION BY: | DATE: |
|--------------|-------|
| 1. | |
| 2. | |
| 3. | |
| 4. | |
| 5. | |
| 6. | |

PLAN:
238.2338
SHEET:
1.3

**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, MIRROR MIRROR MIRROR MIRROR MIRROR
 - 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 ELEVATIONS
 - 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
 - FAUJ. 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
 - WATER 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. 7 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.) PYPON 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
 - 3/8" 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) 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



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

INTERIOR KEY
PLAN 238.2338

| | | |
|----------------------|-------------|----------------|
| FIRST FLOOR AREA | 444 | SQ. FT. |
| SECOND FLOOR AREA | 1344 | SQ. FT. |
| TOTAL AREA | 2338 | SQ. FT. |
| GARAGE AREA | | |
| PORCH AREA(S) | 421 | SQ. FT. |
| PATIO AREA(S) | | |
| ELEVATION 'A' | 73 | SQ. FT. |
| ELEVATION 'B' | 62 | SQ. FT. |
| ELEVATION 'C' | 146 | SQ. FT. |
| ELEVATION 'D' | 174 | SQ. FT. |
| DECK AREA(S) | | |
| COVERED | 100 | SQ. FT. |
| EXTENDED COVERED | 200 | SQ. FT. |
| DECK | 144 | SQ. FT. |
| EXTENDED DECK | 252 | 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.
- TRAY CEILING: 8'-0" U.N.O.
- INTERIOR DOOR HEIGHT: 6'-8" RISE INTO TRUSS U.N.O.

9'-1" PLATE NOTES

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

STAIR DATA NOTES

FIRST FLOOR WITH 8" 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

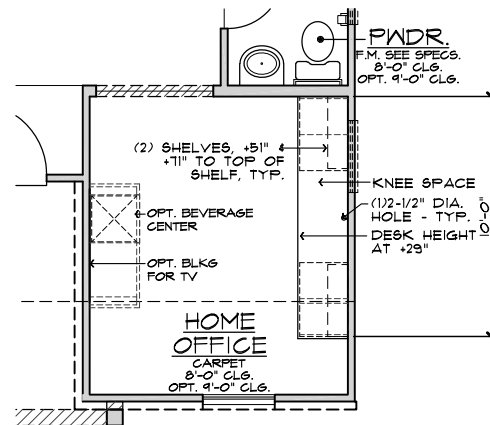
FIRST FLOOR WITH 9" PLATE HEIGHT:

- 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

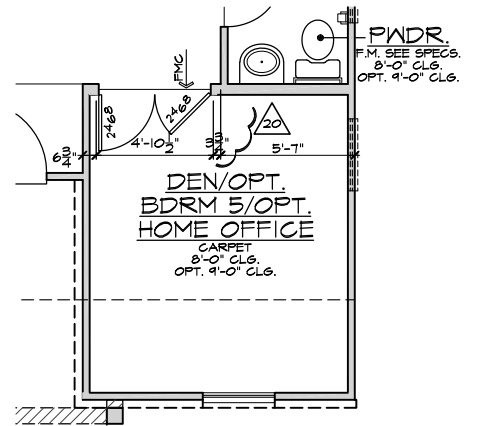
GENERAL PLAN NOTES

- 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.

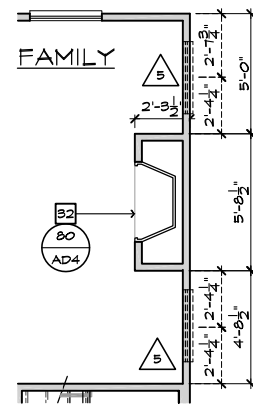
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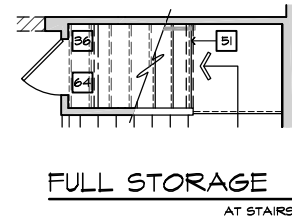
OPT. HOME OFFICE
AT DEN



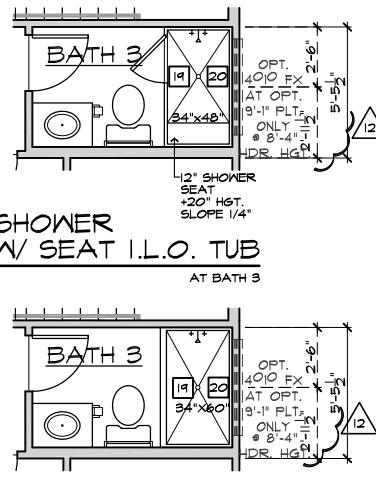
OPT. DOUBLE DOORS
AT DEN



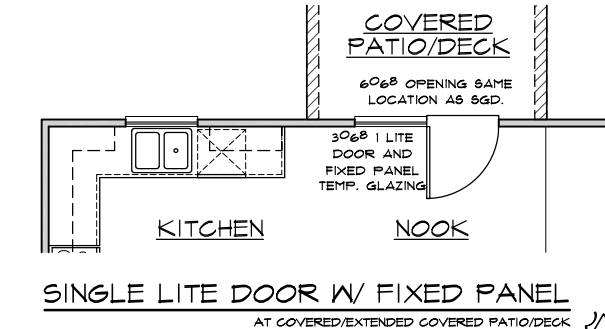
FIREPLACE
AT FAMILY



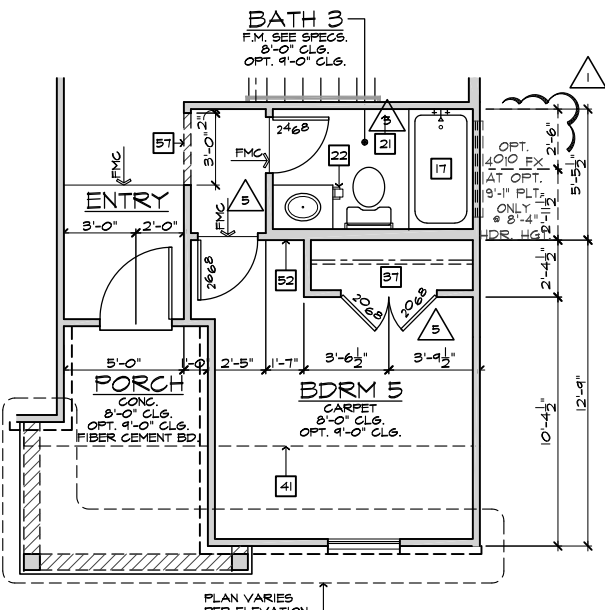
FULL STORAGE
AT STAIRS



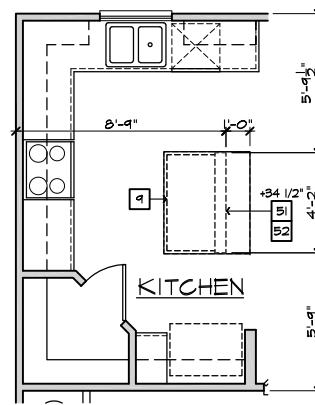
SHOWER I.L.O. TUB
AT BATH 3



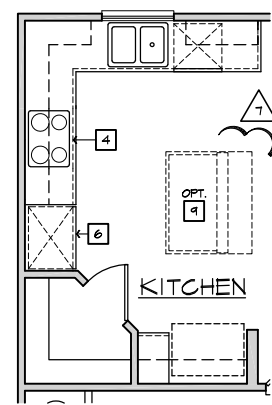
SINGLE LITE DOOR W/ FIXED PANEL
AT COVERED/EXTENDED COVERED PATIO/DECK



BEDROOM 5 W/ BATH 3
AT DEN/POWDER



KITCHEN ISLAND
AT KITCHEN



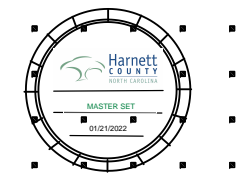
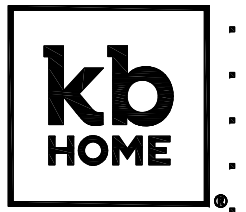
GOURMET KITCHEN
AT KITCHEN

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

FIRST FLOOR PLAN OPTIONS

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

BASIC PLAN



NORTH CAROLINA 40' SERIES

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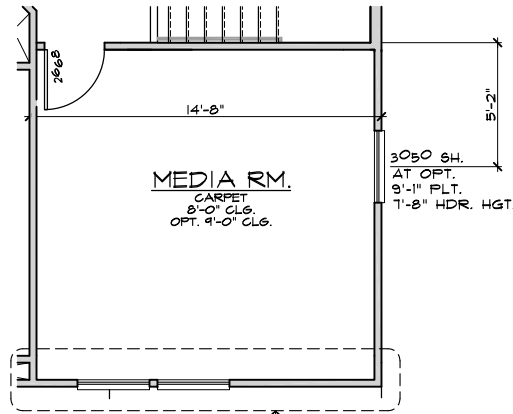
2018 NORTH CAROLINA STATE BUILDING CODES

- ISSUE DATE: 01/08/15
PROJECT No.: 1350999:56
DIVISION MGR.: DCS
REVISIONS: SEE REV. LIST
- 11 DIVISION REVISION NC13654NCF - 08/28/19 - FAE
 - 12 DIVISION REVISION NC19657NCF - 09/26/19 - FAE
 - 13 DIVISION REVISION NC20003NCF - 12/19/19 - CL
 - 14 VENTILATION NC20008NCF - 01/17/20 - CL
 - 15 DIVISION REVISION NC20013NCF - 02/10/20 - MCP
 - 16 DIVISION REVISION NC20017NCF - 03/04/20 - KBA
 - 17 HOME OFFICE CORP20009CORP-08/20/20-CTD
 - 18 ADD NOTE TO TF NC20007NCF - 10/06/20 - KBA
 - 19 DIVISION REQ. REVISION NC21005NCF - 01/06/21 - KBA
 - 20 DIVISION REQ. REVISION NC21032NCF - 05/19/21 - KBA

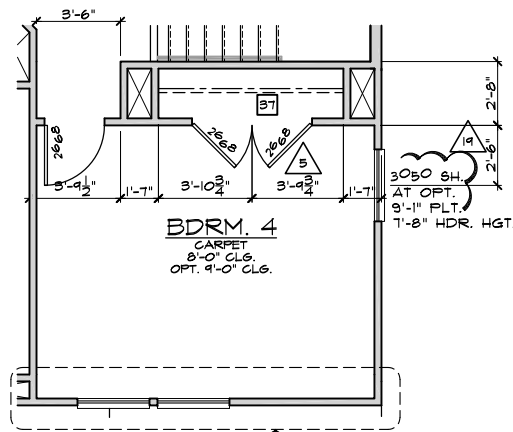
PLAN:
238.2338
SHEET:
1.4

SPEC. LEVEL 1
RALEIGH-DURHAM 40' SERIES

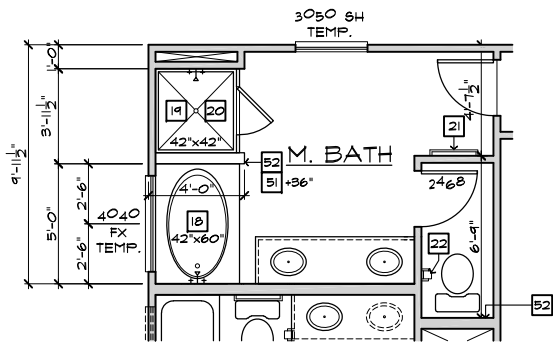
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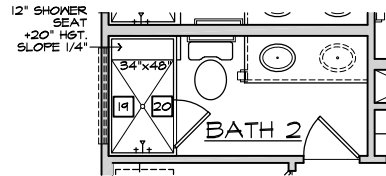
MEDIA
AT LOFT



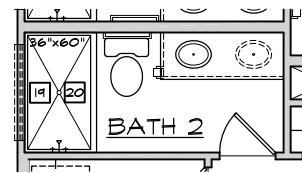
BEDROOM 4
AT LOFT



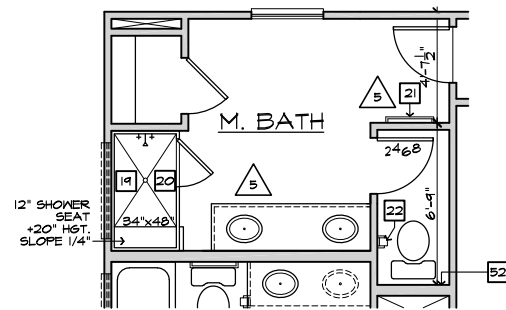
SUPER M. BATH
AT M. BATH



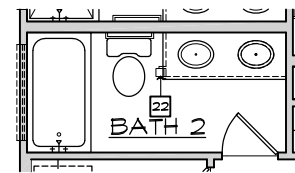
SHOWER W/ SEAT I.L.O. TUB
AT BATH 2



SHOWER I.L.O. TUB
AT BATH 2



DELUXE M. BATH
AT M. BATH



VANITY W/ DUAL SINKS
AT BATH 2

| # | FLOOR PLAN NOTES |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | NOTE: NOT ALL KEY NOTES APPLY. |
| 1. | SINK - GARBAGE DISPOSAL OPTIONAL - VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS |
| 2. | DISHWASHER - PROVIDE AIR GAP - VERIFY SPACING & DIMENSIONS PER MANUFACTURERS' SPECS |
| 3. | SLIDE-IN RANGE/OVEN COMBINATION W/ BUILT-IN VENTED HOOD W/LIGHT & FAN, OR MICRO/HOOD COMBO - SEE SPECS |
| 4. | 30" COOKTOP W/ BUILT-IN VENTED HOOD W/ LIGHT & FAN - VERIFY WITH MANUFRS' SPECS |
| 5. | 34" CLEAR REFRIGERATOR SPACE W/ OPTIONAL CABINETS ABOVE - OPT. PLUMBING FOR ICEMAKER (RECESSED IN WALL) |
| 6. | COMBINATION DOUBLE OVEN OR OVEN/MICROWAVE OVEN OR OVEN VERIFY DIMENSIONS WITH MANUFACTURERS' SPECS |
| 7. | BASE CABINETS - REFER TO INTERIOR ELEVATIONS |
| 8. | UPPER CABINETS - REFER TO INTERIOR ELEVATIONS |
| 9. | ISLAND CABINET - REFER TO INTERIOR ELEVATIONS |
| 10. | MIN. 12" BAR TOP/ BREAKFAST BAR |
| 11. | DESK AREA - REFER TO INTERIOR ELEVATIONS |
| 12. | BUILT-IN PANTRY (15" DEEP OR U.N.O.) |
| 13. | SINK CABINET(S) - REFER TO INTERIOR ELEVATIONS |
| 14. | SINK CABINET W/ EXTENDED VANITY & KNEE SPACE BELOW - REFER TO INTERIOR ELEVATIONS |
| 15. | OPT. SINK - REFER TO INTERIOR ELEVATIONS. |
| 16. | KNEE SPACE - REFER TO INTERIOR ELEVATIONS |
| 17. | PRE-FAB. TUB/SHOWER COMBO W/ FIBERGLASS MAINSCOT TO T2 - VERIFY DIMENSIONS W/ MANUF'S SPECS |
| 18. | OVAL TUB - VERIFY DIMENSIONS WITH MANUF'S SPECS. |
| 19. | PRE-FAB. SHOWER PAN W/ 30" MIN. CLR. INSIDE & MAINSCOT TO T2 - VERIFY DIMENSIONS W/ MANUF'S SPECS |
| 20. | SHATTERPROOF (TEMPERED) GLASS SHOWER ENCLOSURE. |
| 21. | TOWEL BAR - PROVIDE 2x SOLID BLK'S IN WALL |
| 22. | TOILET PAPER HOLDER - PROVIDE 2x SOLID BLK'S IN WALL |
| 23. | RESERVED |
| 24. | WASHER & DRYER: - PROVIDE WATER & WASTE FOR WASHER - RECESS WASHER CONTROL VALVES IN WALL - VENT DRYER TO OUTSIDE AIR - ACCOMMODATE APPLIANCES TO BE LOCATED WASHER AT LEFT AND DRYER AT RIGHT. |
| 25. | 12" SHELF PER SPECS |
| 26. | OPT. LAUNDRY SINK - REFER TO INTERIOR ELEV'S |
| 27. | WATER HEATER LOCATION: - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN. (REFER TO TS/AD-4) |
| 28. | RESERVED |
| 29. | MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE |
| 30. | FAU LOCATION (REFER TO DETAIL 08/AD5) |
| 31. | RESERVED |
| 32. | LISTED FACTORY-BUILT GAS FIRED DEC. APPLIANCE (REF. 08/AD4) - INSTALL PER MFR. SPECS |
| 33. | HEARTH TO BE INSTALLED PER FACTORY-BUILT FIREPLACE LISTING |
| 34. | GAS APPLIANCE B' VENT FROM BELOW |
| 35. | LINEN PER SPECS (15" DEEP OR U.N.O.) |
| 36. | COAT CLOSET W/ SHELF & POLE (REFER TO DETAILS/AD4) |
| 37. | WARDROBE W/ SHELF & POLE (REFER TO DETAILS/AD4) |
| 38. | 22"X30" MIN. ATTIC ACCESS 25"X54" FULL DOWN LADDER R.O. ATTIC ACCESS TO BE PROTECTED |
| 39. | LINE OF WALL BELOW |
| 40. | DUCT CHASE |
| 41. | LINE OF FLOOR ABOVE |
| 42. | LINE OF FLOOR BELOW |
| 43. | LINE OF OPTIONAL TRAY CEILING (REFER TO DETAIL 42/AD5) |
| 44. | LINE OF HIP AT OPTIONAL VOLUME CEILING |
| 45. | LINE OF RIDGE AT OPTIONAL VOLUME CEILING |
| 46. | CEILING BREAK |
| 47. | STAIR TREADS & RISERS: - MIN. 10" TREAD & MAX. 7 3/4" RISER - (REFER TO DETAIL 01-02/AD5) |
| 48. | MIN. 36" HIGH GUARDWALL (REFER TO DET. 03/AD5 & 05/AD5) |
| 49. | 34" TO 36" HIGH HANDRAIL (REFER TO DETAIL 03/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.) PYLON OR EQ. SURROUNDING STRUCTURAL POST. |
| 62. | BRICK / STONE VENEER - REFER TO ELEVATIONS VENEER TO COMPLY WITH THE N.C.-R. |
| 63. | SECTIONAL GARAGE DOOR PER SPECS |
| 64. | MIN. 1/2" GYP. BD. ON CEILING & WALLS @ USEABLE SPACE UNDER STAIR. |
| 65. | GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAN 1/2" GYP. BD. @ GARAGE SIDE WALLS & 5/8" UNDER LIVING AREA U.N.O. |
| 66. | OPT. MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL 06/AD5) |
| 67. | 5/8" TYPE-X GYP. IN GARAGE BETWEEN CEILING & FLOOR ABV. |
| 68. | P.T. POST W/ WRAP |
| 69. | CONCRETE STOOP, SIZE PER PLAN SLOPE 1/4" PER FT. MIN. |
| 70. | EGRESS WINDOW |
| 71. | PROVIDE ADDITIONAL RISER(S) AT OPTIONAL PLATE HT. |
| 72. | MDF TOP |
| 73. | PLUMBING DROP FROM ABOVE |
| 74. | ADJUST OPENING AT OPTION TO FIT THE DOOR SIZE SHOWN |
| 75. | WINDOW LEDGE, HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOWS) ON ALL SIDES U.N.O. |
| 76. | SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE |
| 77. | CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SIZE. |
| 78. | RESERVED |
| 79. | SLOPING LOW WALL 38" ABOVE ADJACENT TREADS |
| 80. | 20 MIN. FIRE-RATED DOOR |



**NORTH CAROLINA
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**2018 NORTH
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BUILDING
CODES**

- ISSUE DATE: 01/08/15
PROJECT No.: 1350999:56
DIVISION MGR.: DCS
REVISIONS: 08/20/20
- 11 DIVISION REVISION NC12054NCP - 08/28/19 - FAE
 - 12 DIVISION REVISION NC19057NCP - 09/26/19 - FAE
 - 13 DIVISION REVISION NC20003NCP - 12/19/19 - CL
 - 14 VENTILATION NC20000NCP - 01/17/20 - CL
 - 15 DIVISION REVISION NC20013NCP - 02/10/20 - MCP
 - 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
 - 17 HOME OFFICE CORP210095CORP-08/20/20-CTD
 - 18 ADD NOTE TO T5 NC20003NCP - 10/06/20 - KBA
 - 19 DIVISION REQ REVISION NC21005NCP - 01/06/21 - KBA
 - 20 DIVISION REQ REVISION NC21032NCP - 05/19/21 - KBA

PLAN:
238.2338
SHEET:
1.5

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

SECOND FLOOR PLAN OPTIONS

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

BASIC PLAN

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



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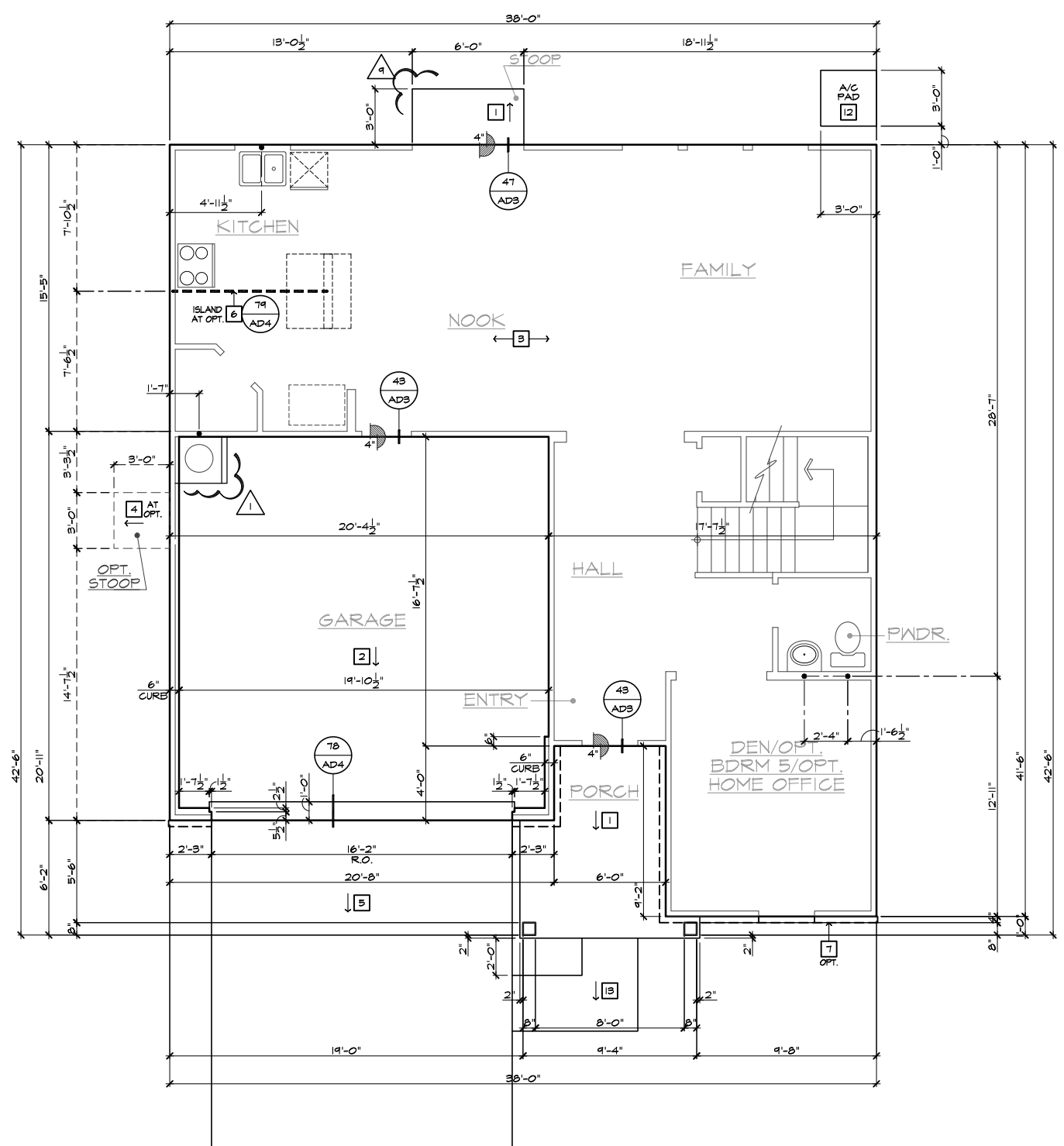
- ISSUE DATE: 01/08/15
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 DIVISION MGR.: DCS
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- 11 DIVISION REVISION NC19654NCP - 08/28/19 - FAE
 - 12 DIVISION REVISION NC19657NCP - 09/26/19 - FAE
 - 13 DIVISION REVISION NC20043NCP - 12/19/19 - CL
 - 14 VENTILATION NC20004NCP - 01/17/20 - CL
 - 15 DIVISION REVISION NC20013NCP - 02/10/20 - MCP
 - 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
 - 17 HOME OFFICE CORP20009CORP-08/20/20-CTD

FOR INTERNAL USE ONLY

| REVISION BY: | DATE: | DESCRIPTION: |
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| 2. | | |
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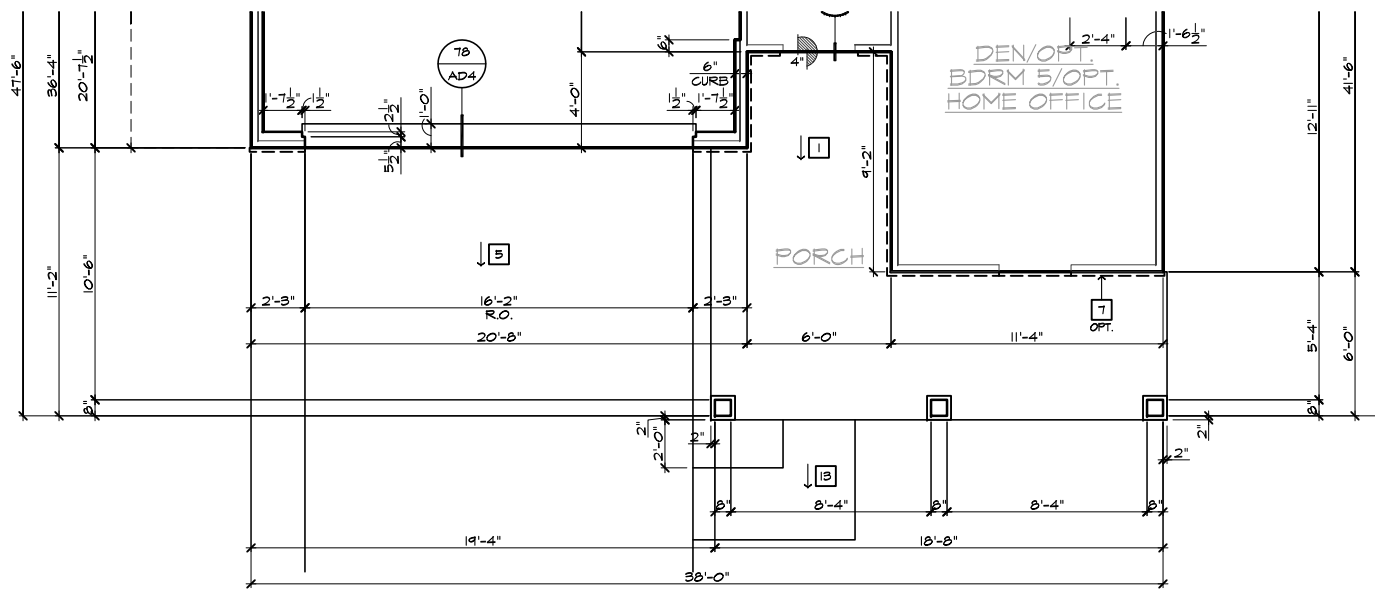
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 SHEET: 2.1

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES



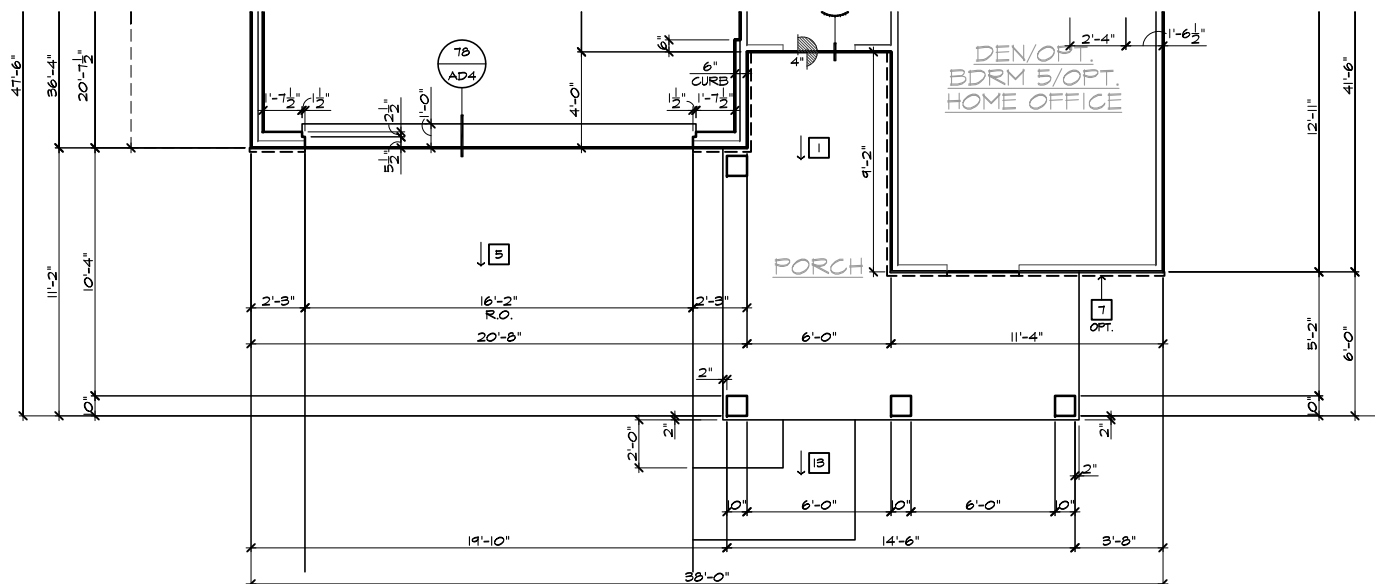
SLAB INTERFACE PLAN 'A'
 SCALE 1/4"=1'-0" (22"x34") - 1/8"=1'-0" (11"x17") BASIC PLAN AT SLAB-ON-GRADE

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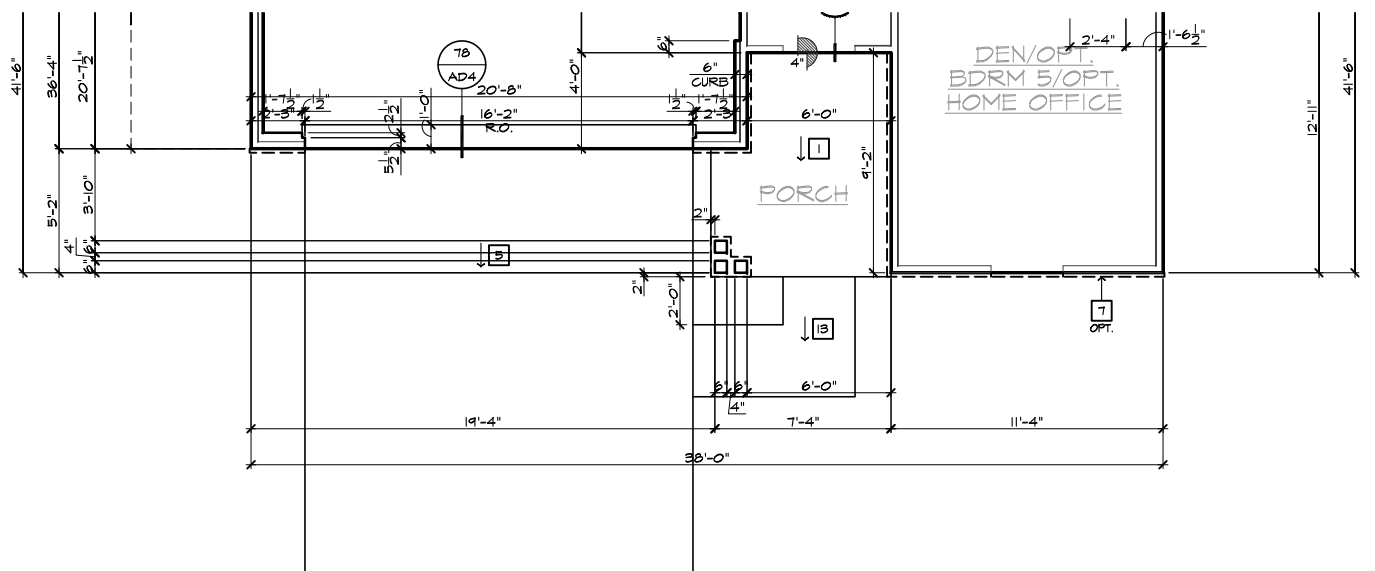
PARTIAL SLAB INTERFACE PLAN 'D'

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



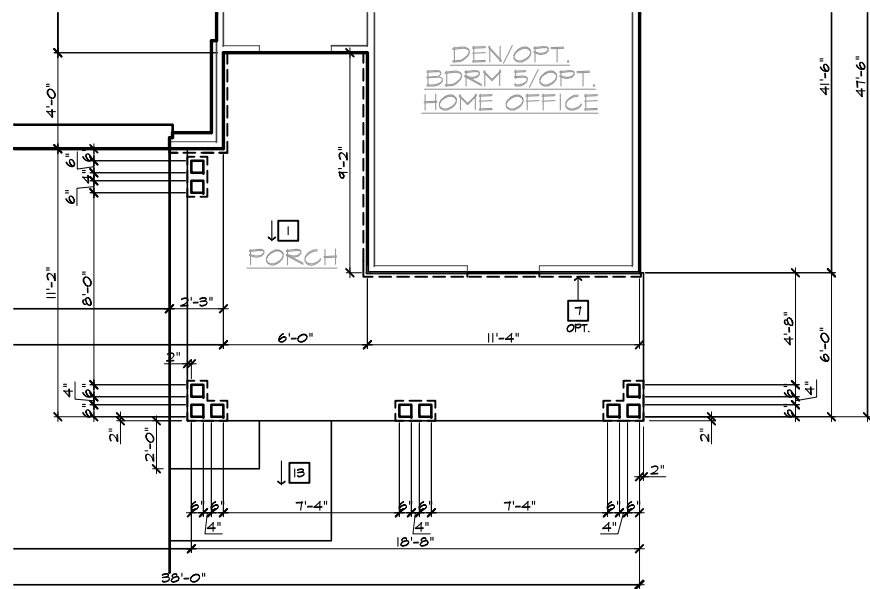
PARTIAL SLAB INTERFACE PLAN 'C'

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



PARTIAL SLAB INTERFACE PLAN 'B'

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



PARTIAL SLAB INTERFACE PLAN 'B' AT ENLARGED PORCH

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

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



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- ISSUE DATE: 01/08/15
PROJECT No.: 1350999:56
DIVISION MGR.: DCS
REVISIONS: 08/20/20
- 11 DIVISION REVISION NC19654NCP - 08/28/19 - FAE
 - 12 DIVISION REVISION NC19657NCP - 09/26/19 - FAE
 - 13 DIVISION REVISION NC20003NCP - 12/19/19 - CL
 - 14 VENTILATION NC20008NCP - 01/17/20 - CL
 - 15 DIVISION REVISION NC20015NCP - 02/10/20 - MCP
 - 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
 - 17 HOME OFFICE CORP20009CORP-08/20/20-CITD

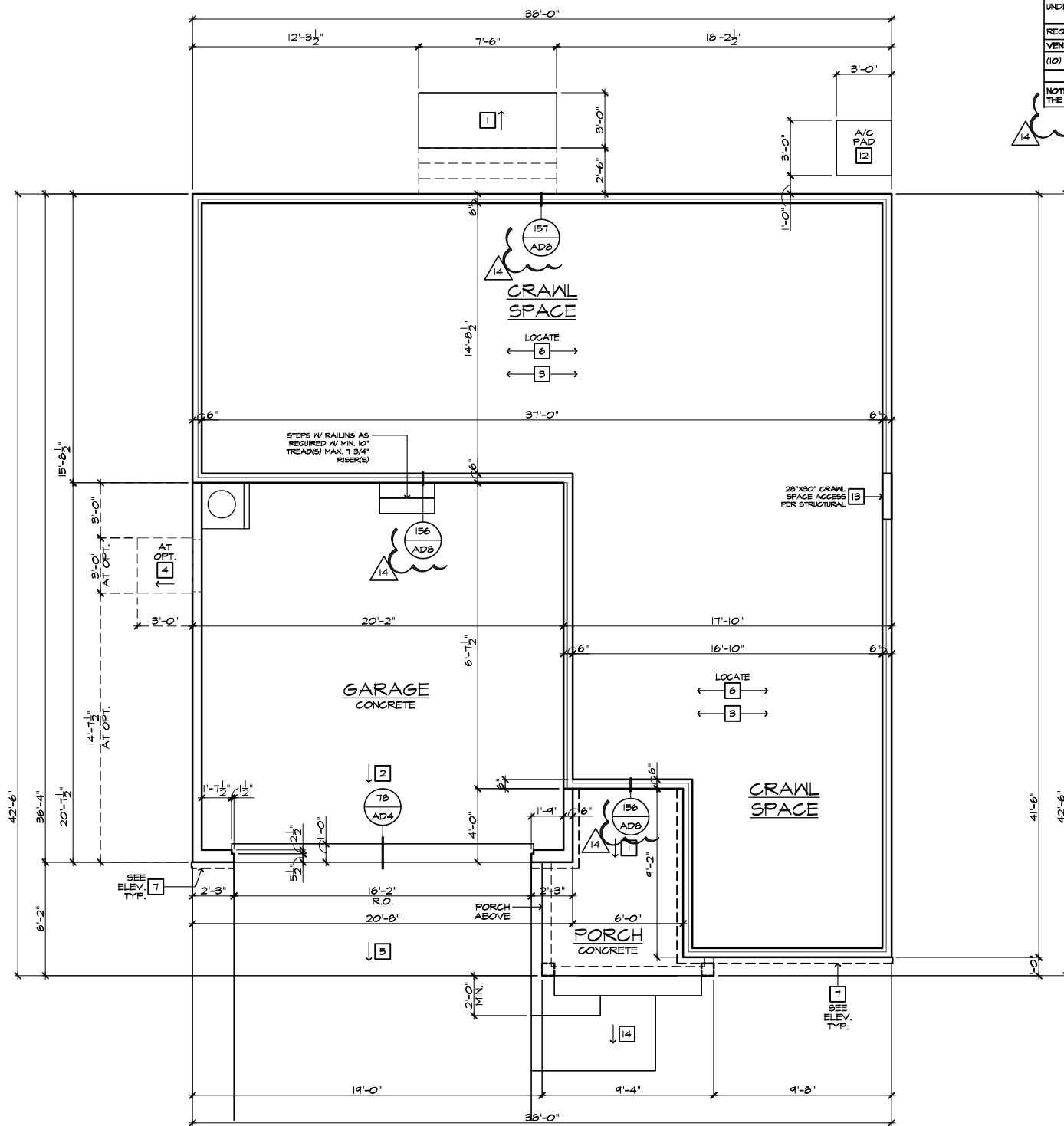
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PLAN: **238.2338**
SHEET: **2.2**

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

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CRAWL SPACE PLAN 'A'

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

| # | | 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 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. | |
| UNDER FLOOR VENTING AREA | | |
| UNDER FLOOR AREA SHALL COMPLY WITH NCRC 2018 | | |
| UNDER FLOOR AREA CALCULATION = | 934 SQ. FT. / 150 | 6.63 SQ. FT. |
| REQUIRED AREA | X 144 = | 954 SQ. IN. |
| VENTILATION PROVIDED: | | |
| (10) FOUNDATION VENTS | 105 SQ. IN. = | 1050 SQ. IN. |
| NOTE: CRAWLSPACE VENT TO BE LOCATED WITHIN 3'-0" OF THE CORNER OF THE STEM WALL. | | |



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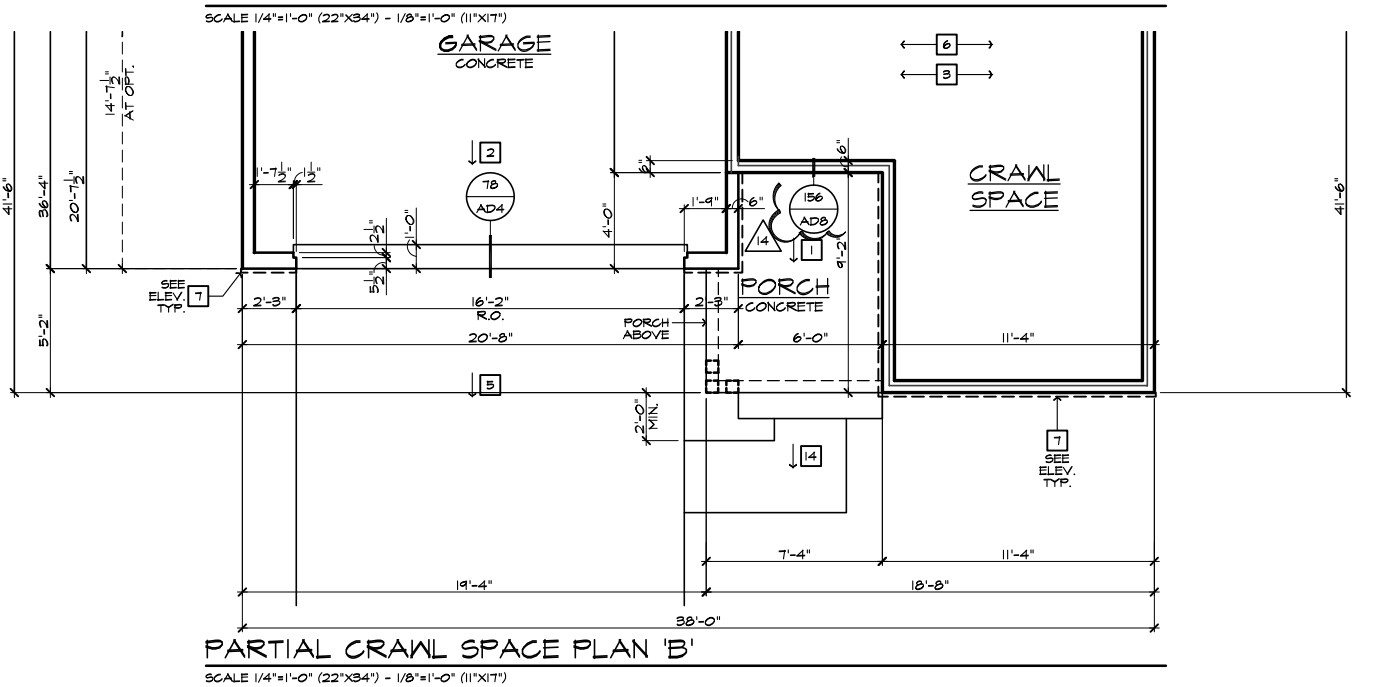
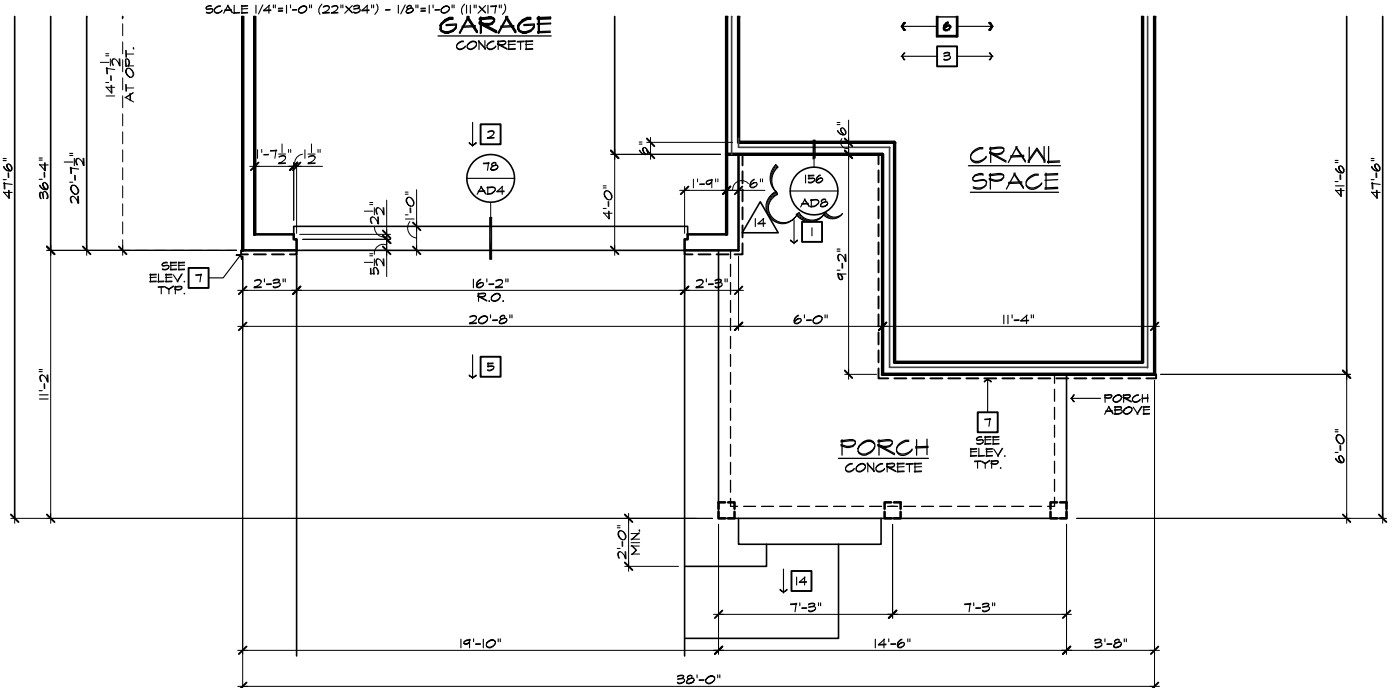
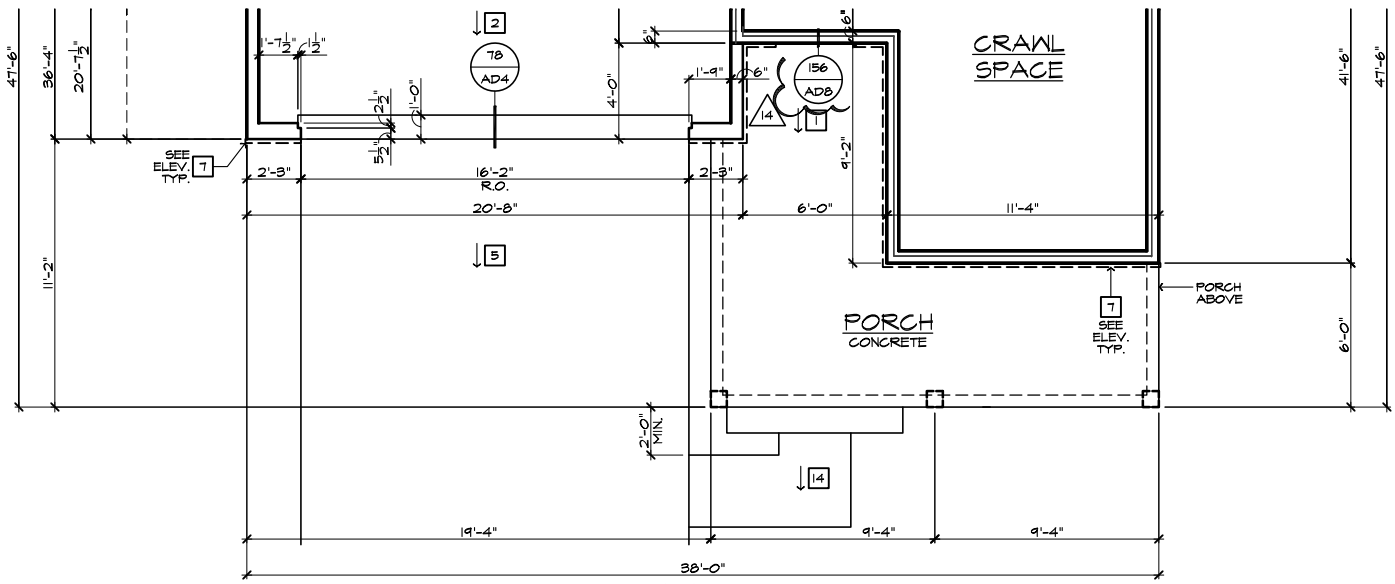
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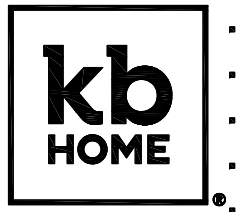
PLAN: 238.2338
SHEET: 2.3

SPEC. LEVEL 1
RALEIGH-DURHAM 40' SERIES

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- # FOUNDATION PLAN NOTES** 2018 NC-4
- 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.



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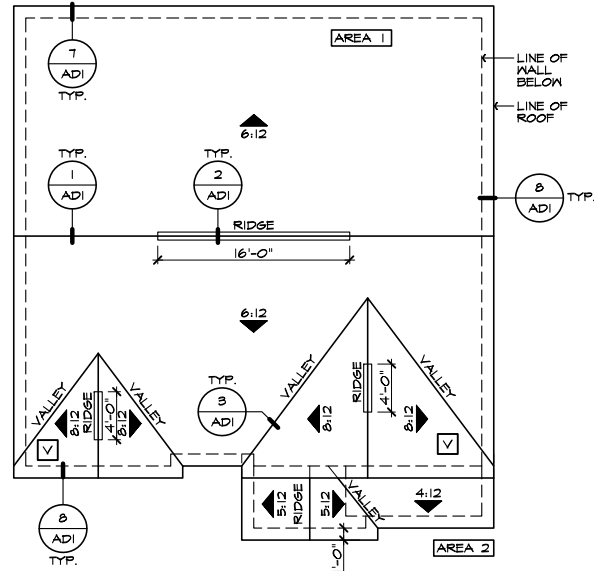
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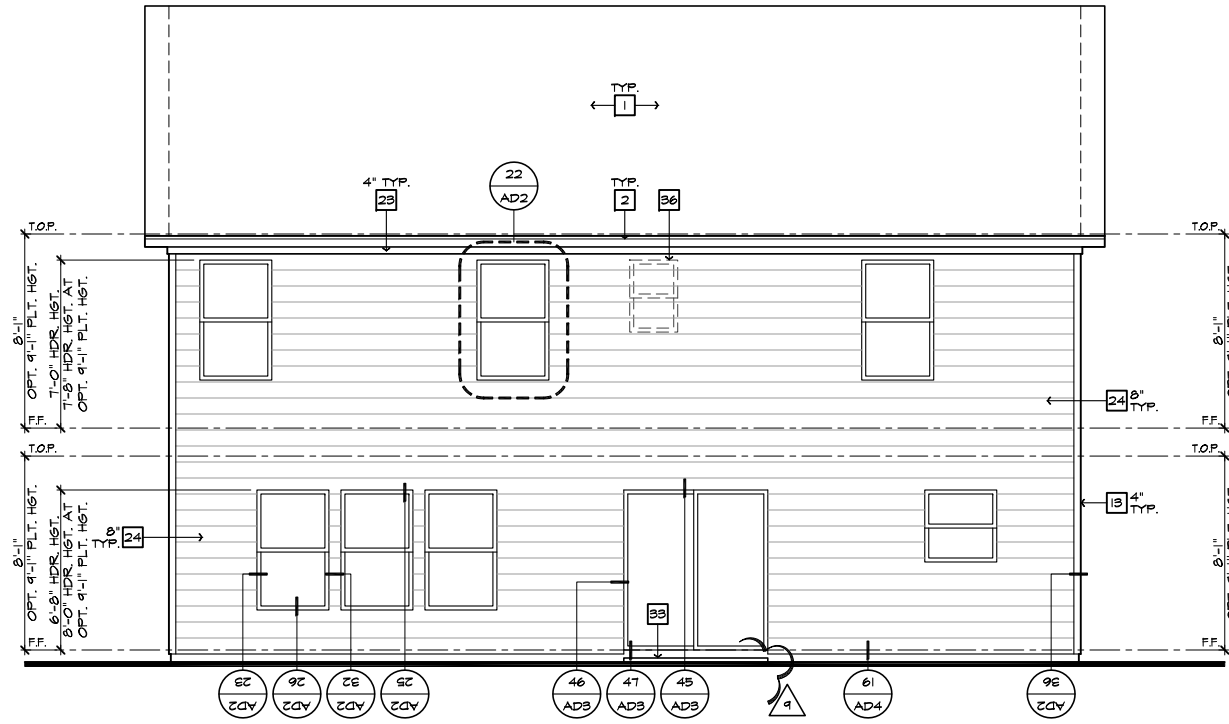
PLAN: **238.2338**
 SHEET: **2.4**

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

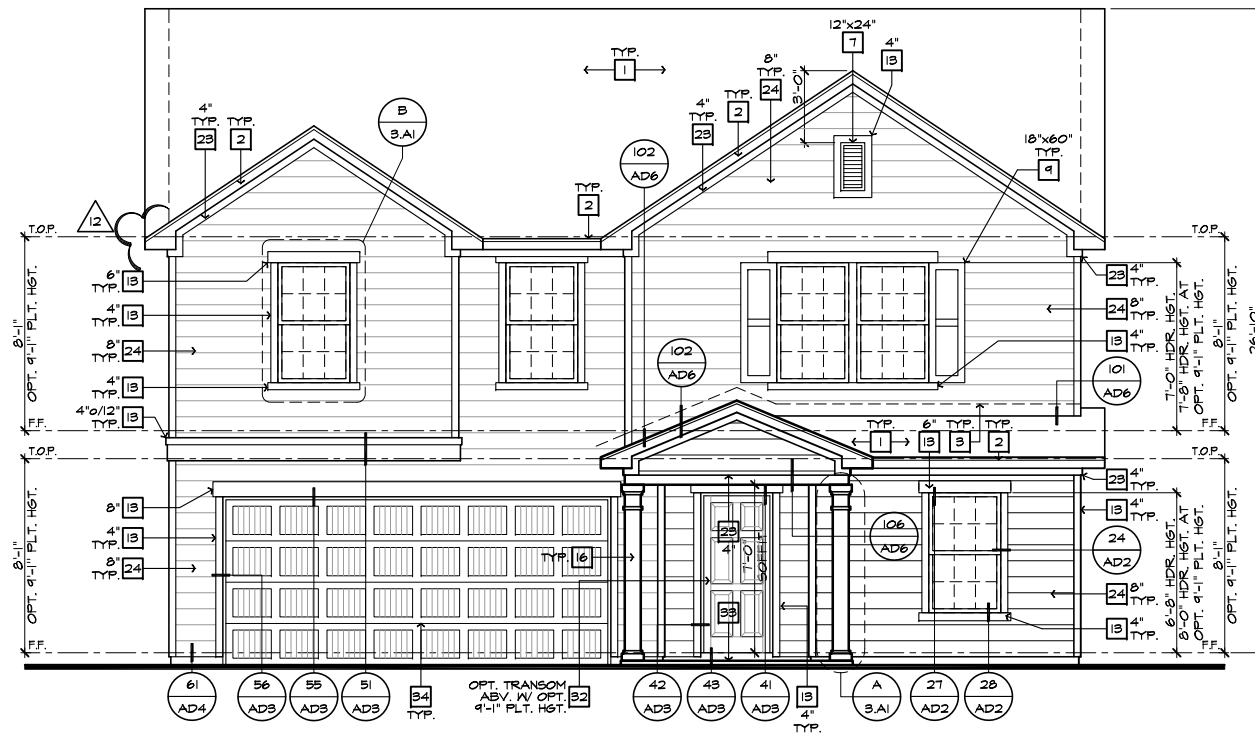
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ROOF PLAN 'A'
SCALE 1/8"=1'-0" (22'x34") - 1/16"=1'-0" (11'x17")



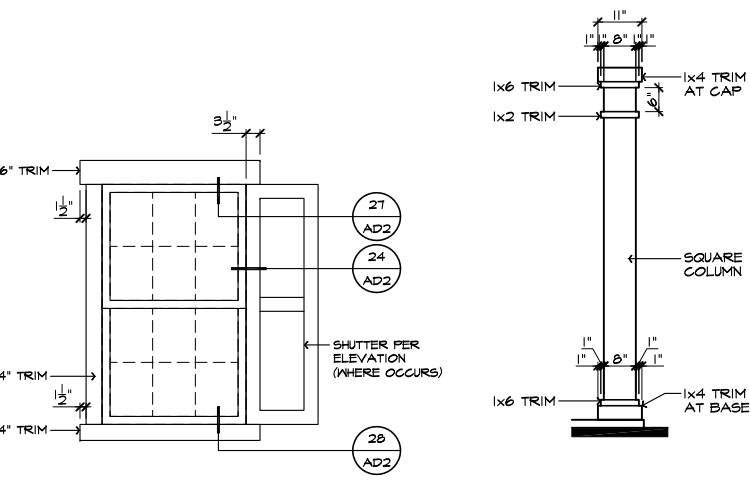
REAR ELEVATION 'A'
SCALE 1/4"=1'-0" (22'x34") - 1/8"=1'-0" (11'x17")



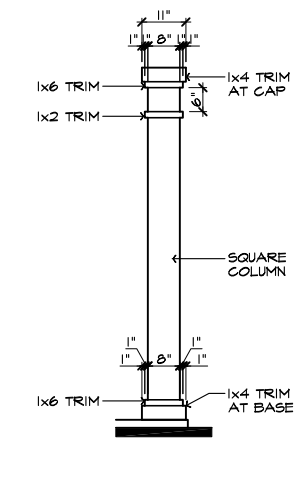
FRONT ELEVATION 'A'
SCALE 1/4"=1'-0" (22'x34") - 1/8"=1'-0" (11'x17")



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



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



DETAIL 'A'
SCALE: N.T.S.

- ELEVATION NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
1. ROOF MATERIAL - REFER TO ROOF NOTES
 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
 3. 6.1. FLASHING
 4. 6.1. FLASHING & SADDLE/CRICKET
 5. 6.1. DRIP SCREED
 6. 24"x24" CHIMNEY
 7. DECORATIVE VENT
 8. DECORATIVE CORBEL
 9. DECORATIVE SHUTTERS
 10. PEDIMENT. SEE ELEVATION FOR TYPE
 11. RECESSED ELEMENT
 12. DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
 13. TRIM PER SPEC - SEE ELEVATION FOR SIZE
 14. 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 'A'**
- 6:12 INDICATES ROOF SLOPE AND DIRECTION, U.N.O.
- ROOF MATERIAL: COMPOSITION SHINGLE
12" (INCHES) TYPICAL ROOF OVERHANGS AT RAKE, U.N.O.
12" (INCHES) TYPICAL ROOF OVERHANGS AT EAVE, U.N.O.
LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARMALL PANELS.

ATTIC VENT CALCULATIONS

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

AREA 1 / MAIN:

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

VENTILATION PROVIDED:

| | | | |
|-----------------------------|-------------------------|---------------------|-------------|
| HIGH | LF RIDGE VENT(S) AT | 10 SQ. IN. / LF. = | 482 SQ. IN. |
| | ROOF VENT(S) AT | 50 SQ. IN. EA. = | 0 SQ. IN. |
| SUB-TOTAL HIGH VENTILATION: | | | 482 SQ. IN. |
| LOW | LF VENTILATED SOFFIT AT | 6.9 SQ. IN. / LF. = | 304 SQ. IN. |
| | ROOF VENT(S) AT | 50 SQ. IN. EA. = | 100 SQ. IN. |
| SUB-TOTAL LOW VENTILATION: | | | 404 SQ. IN. |
| TOTAL VENTILATION PROVIDED: | | | 886 SQ. IN. |

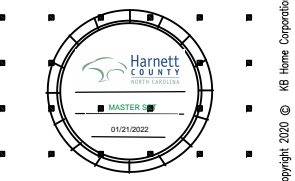
AREA 2 / PORCH:

| | | |
|-----------------------|--------------------|--------------|
| VENTILATION REQUIRED: | SQ. FT. / 150 | 0.94 SQ. FT. |
| ATTIC AREA = 88 | X 144 = | 84 SQ. IN. |
| | TOTAL HIGH & LOW = | 84 SQ. IN. |

VENTILATION PROVIDED:

| | | | |
|-----------------------------|-------------------------|---------------------|------------|
| (B) | LF VENTILATED SOFFIT AT | 6.9 SQ. IN. / LF. = | 40 SQ. IN. |
| (O) | LF RIDGE VENT(S) AT | 10 SQ. IN. EA. = | 0 SQ. IN. |
| TOTAL VENTILATION PROVIDED: | | | 40 SQ. IN. |

- NOTES:**
- ALL VENT OPENINGS SHALL BE COVERED WITH 1/4" CORROSION RESISTANT METAL MESH.
FRAMER SHALL BE RESPONSIBLE FOR COORDINATING WITH TRUSS MANUFACTURER TO ACCOMMODATE ALL ATTIC VENTS.
ALL VENTS SHALL BE INSTALLED SO AS TO MAKE THEM WATER-PROOF & WALL MOUNTED LOUVERS SHALL BE SEALED W/ FOAMSTOP IN THE SAME MANNER PRESCRIBED FOR WINDOW INSTALLATION.
PROVIDE APPROVED INSULATION DAMS (BAFFLES) WHERE VENT BLOCKS ARE USED BETWEEN ROOF FRAMING MEMBERS TO PREVENT VENT HOLES FROM BEING BLOCKED BY INSULATION.
LOCATE HIGH VENTING MINIMUM 3'-0" VERTICAL DISTANCE ABOVE EAVES.
WHEN GABLE END TRUSS MEMBERS BLOCK GABLE END VENTS, PROVIDE ADEQUATE ADDITIONAL VENTILATION BY MEANS OF ROOF TILE VENTS.



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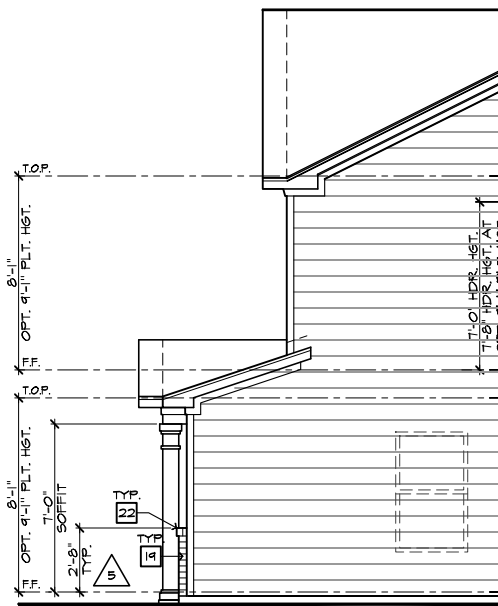
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PLAN: 238.2338
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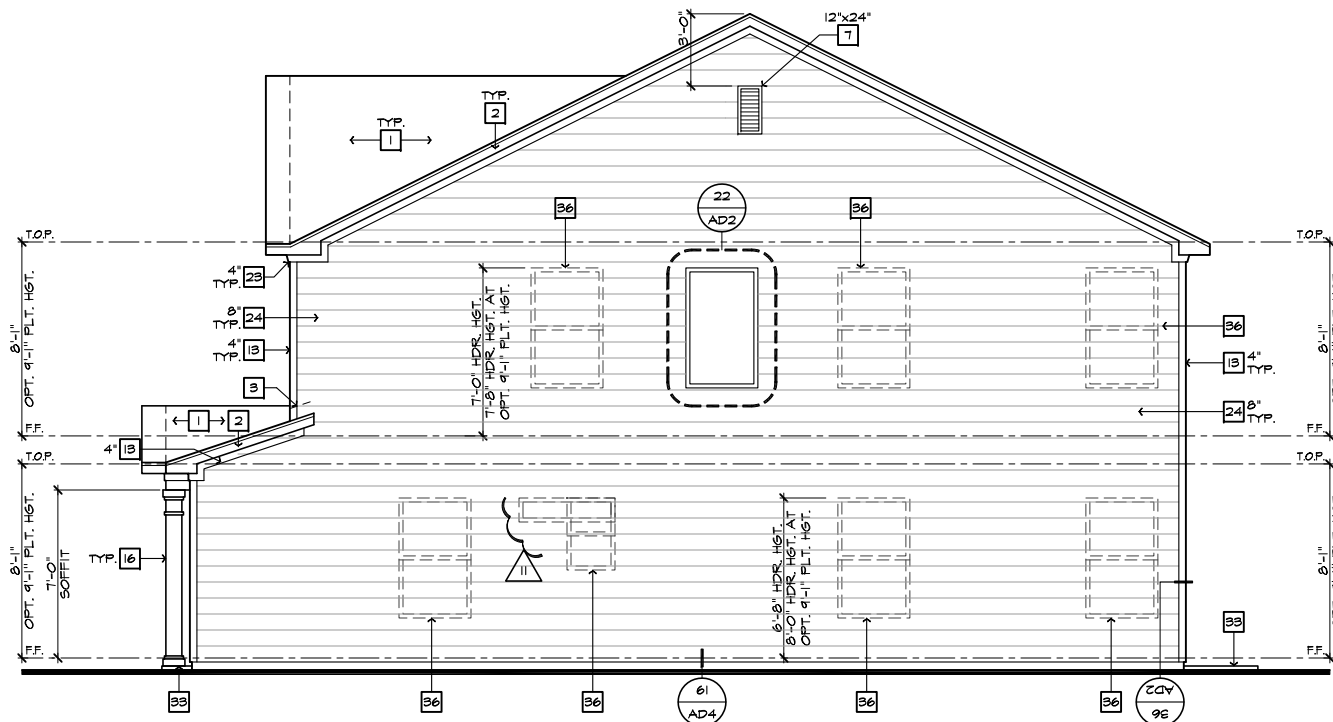
SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

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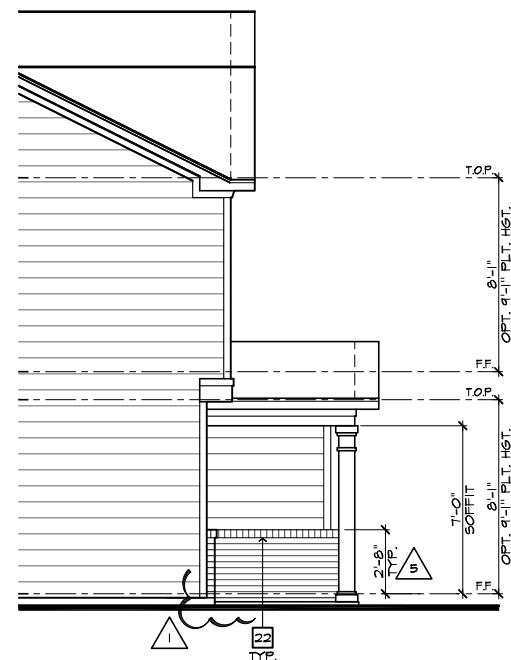
**PARTIAL RIGHT ELEVATION 'A'
W/ MASONRY OPTION**

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



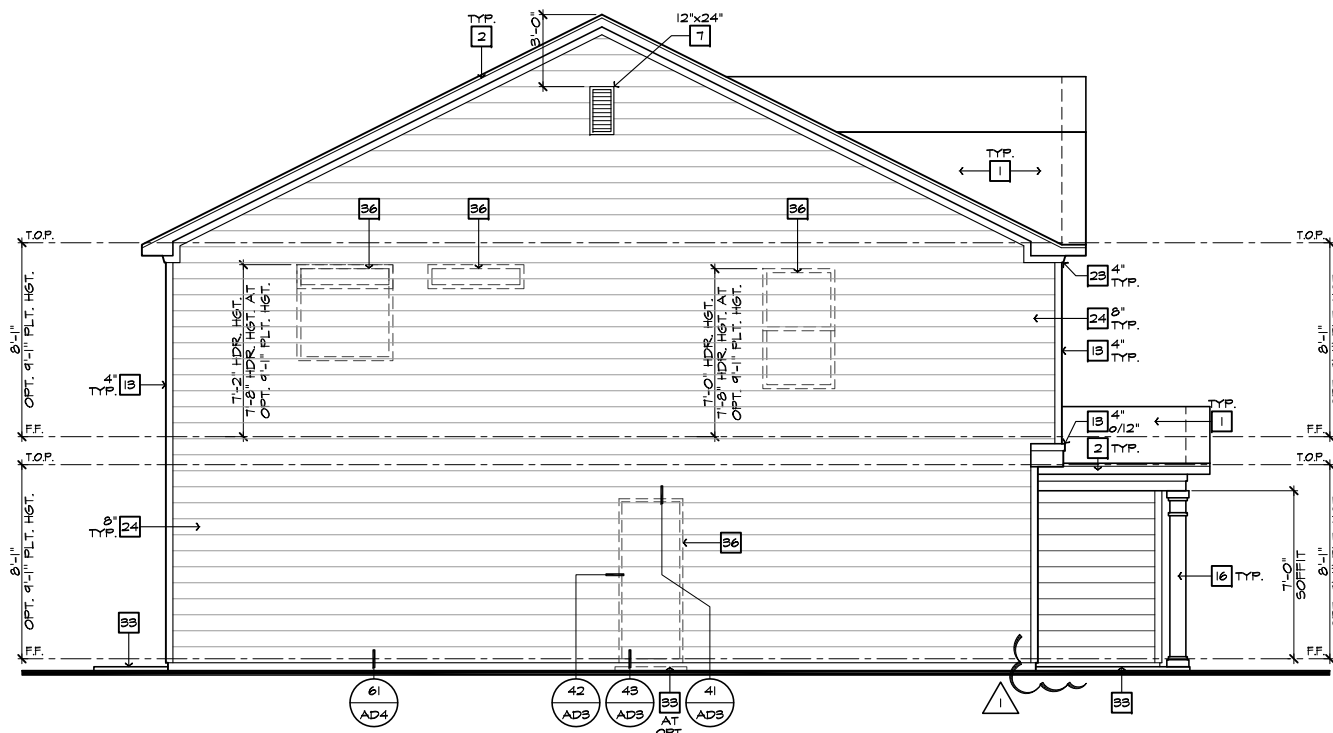
RIGHT ELEVATION 'A'

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



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

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



LEFT ELEVATION 'A'

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

- # ELEVATION NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
1. ROOF MATERIAL - REFER TO ROOF NOTES
 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
 3. 6.1. FLASHING
 4. 6.1. FLASHING & SADDLE/CRICKET
 5. 6.1. DRIP SCREED
 6. 24"x24" CHIMNEY
 7. DECORATIVE VENT
 8. DECORATIVE CORBEL
 9. DECORATIVE SHUTTERS
 10. PEDIMENT. SEE ELEVATION FOR TYPE
 11. RECESSED ELEMENT
 12. DECORATIVE TRIM 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.
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 17. SHAKE SIDING
 18. STONE VENEER PER SPECS
 19. BRICK/MASONRY VENEER PER SPECS
 20. BUILT UP BRICK COLUMN
 21. SOLDIER COURSE
 22. RAILLOCK COURSE
 23. FRIEZE BOARD
 24. SIDING W/ 4" CORNER TRIM PER SPECS
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 27. LIGHT WEIGHT PRECAST STONE TRIM
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 29. WRAP
 30. DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.
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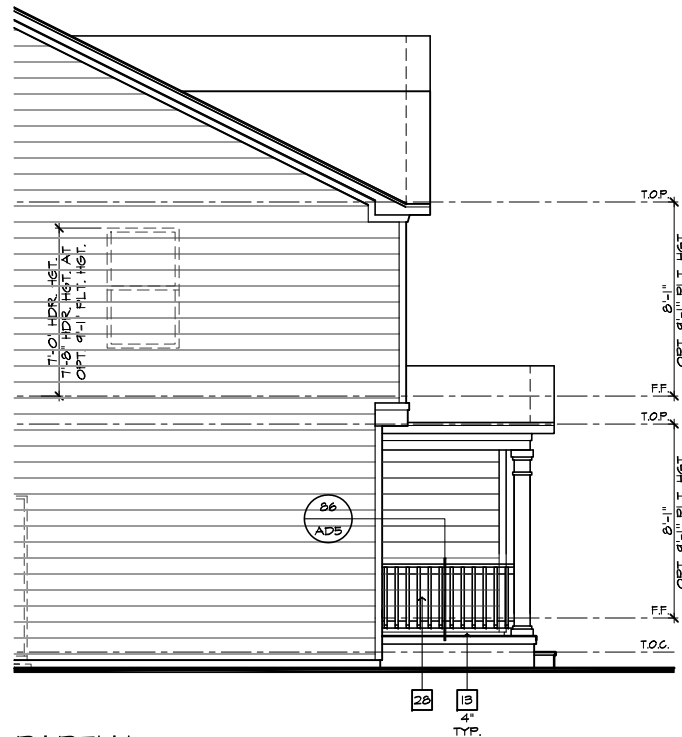
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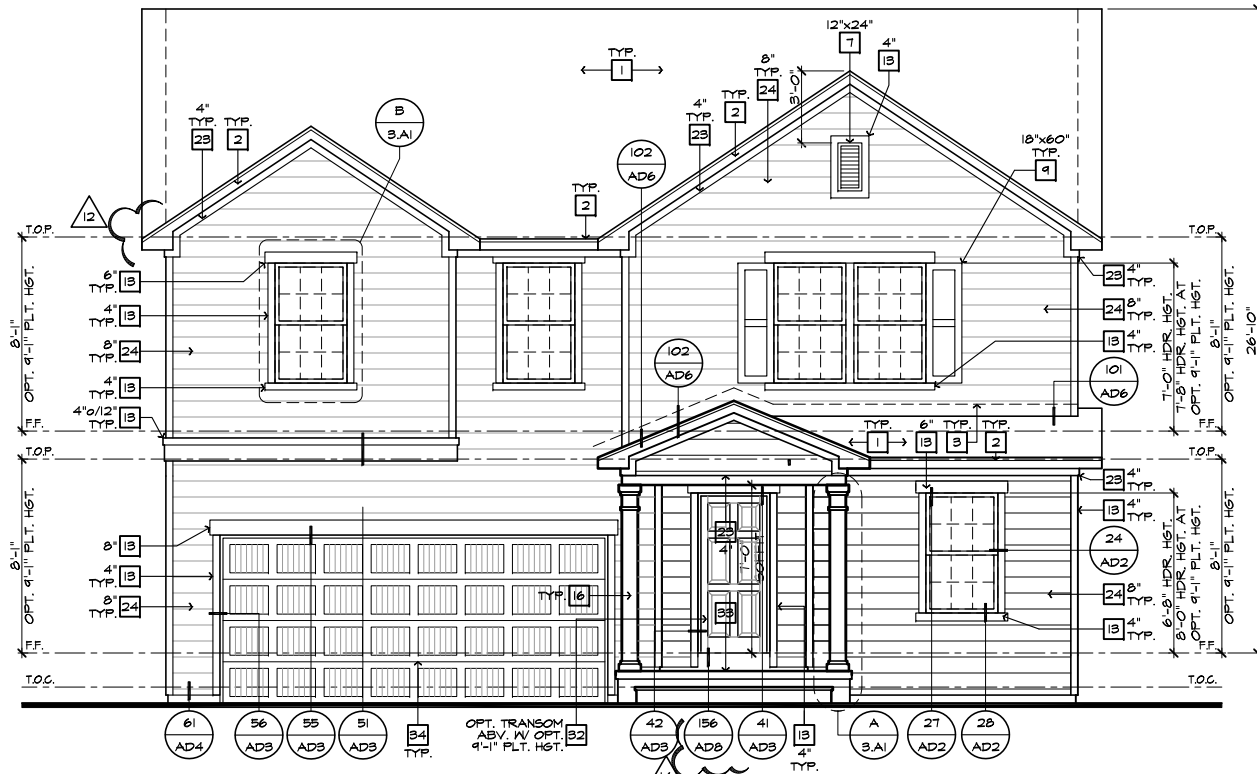
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**SPEC. LEVEL 1
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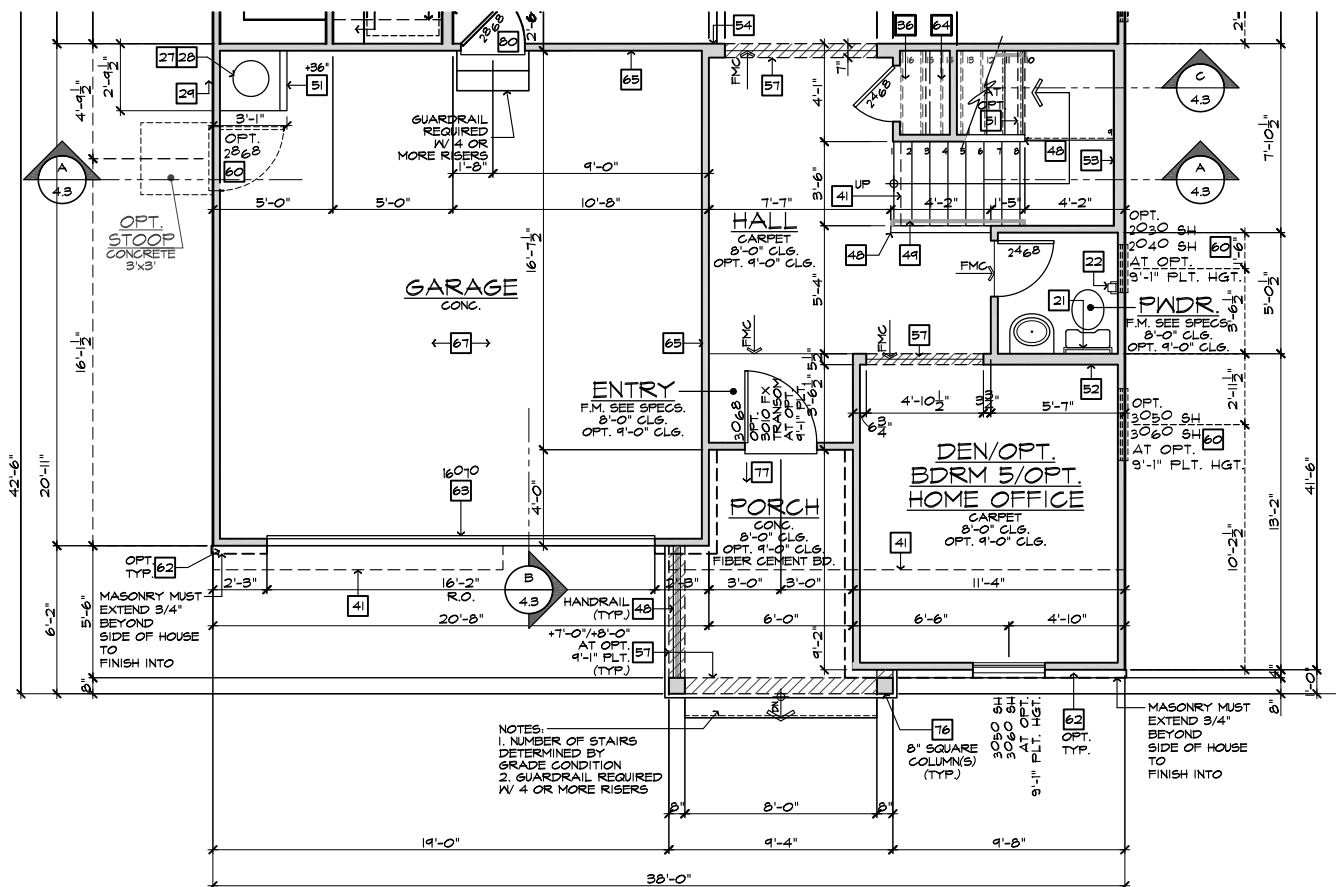
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PARTIAL LEFT ELEVATION 'A' AT CRAWL SPACE
 SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")



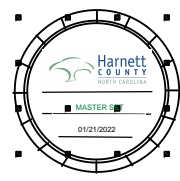
FRONT ELEVATION 'A' W/ CRAWL SPACE
 SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")



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

| # | ELEVATION NOTES |
|---------------------------------------|------------------------------------------------------------------------------------------------|
| NOTE: NOT ALL KEY NOTES APPLY. | |
| 1. | ROOF MATERIAL - REFER TO ROOF NOTES |
| 2. | 2X FASCIA/BARGE BOARD WITH FASCIA CAP |
| 3. | 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 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. | LINE 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS) |
| 50. | A/C PAD LOCATION |
| 51. | LOW WALL - REFER TO PLAN FOR HEIGHT |
| 52. | 2x6 STUD WALL |
| 54. | DEL. 2x4 WALL PER PLAN |
| 55. | INTERIOR SHELF - REFER TO PLAN FOR HEIGHT |
| 57. | FLAT SOFFIT |
| 58. | ARCHED SOFFIT |
| 60. | OPT. DOOR/WINDOW |
| 61. | PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST. |
| 62. | BRICK / STONE VENEER - REFER TO ELEVATIONS |
| 63. | SECTIONAL GARAGE DOOR PER SPECS |
| 66. | 3" DIAM. CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE. (NOT REQUIRED AT ELECTRIC WATER HEATERS OR FOR APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL TRAVEL PATH.) |
| 68. | P.T. POST W/ WRAP. |
| 70. | EGRESS WINDOW |
| 75. | WINDOW LEDGE. HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOW(S) ON ALL SIDES U.N.O. |
| 76. | SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE |
| 77. | CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SIZE. |



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- 11 DIVISION REVISION NC13654NCP - 08/28/19 - FAE
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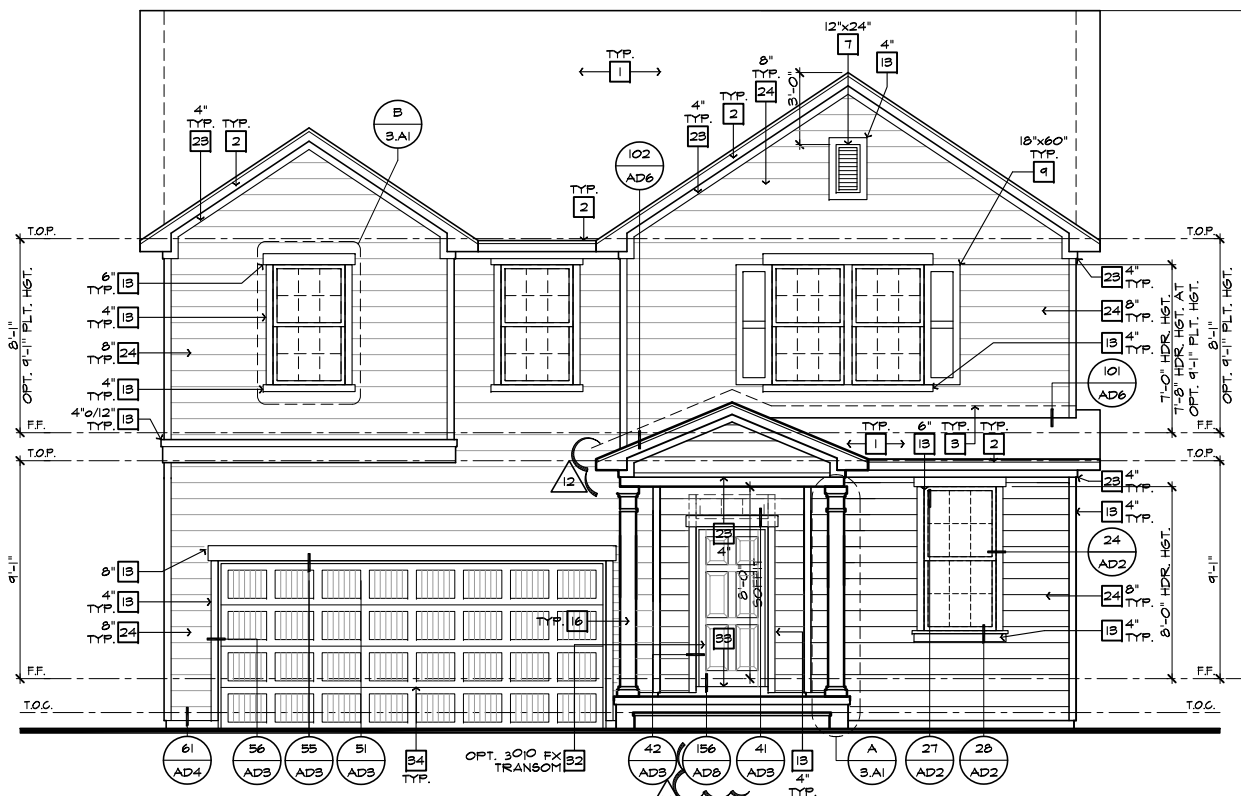
PLAN: 238.2338
 SHEET: 3.A3

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

NOTE: REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE

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

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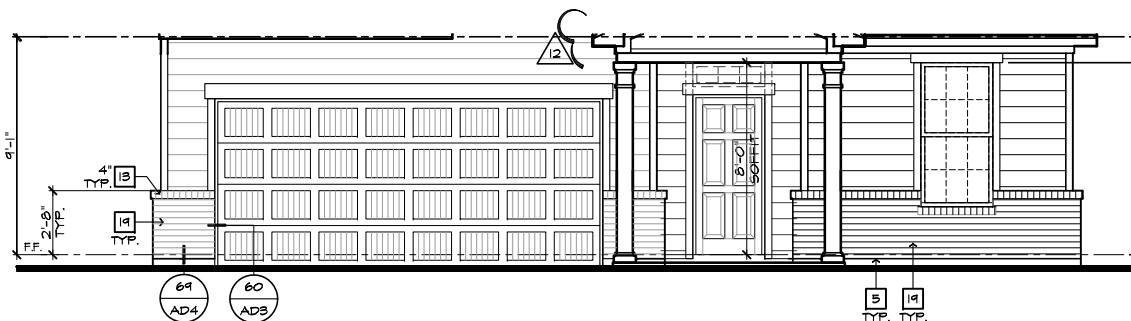
FRONT ELEVATION 'A' W/ CRAWL SPACE
AT OPTIONAL 9'-1" PLT. HGT.

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



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

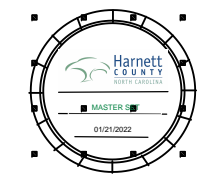
SCALE 1/4"=1'-0" (22'x34") - 1/8"=1'-0" (11'x17')



PARTIAL FRONT ELEVATION 'A'
AT OPTIONAL 9'-1" PLT. HGT. W/ BRICK OPT.

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. | RONLOCK 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 |
| 9'-1" PLATE OPTION | |
| NOTE: | |
| WINDOW SIZES WILL INCREASE BY 1" AT 9'-1" PLATE OPTIONS. | |
| HEADER HEIGHTS FOR ALL WINDOWS WILL BE 7'-6" AT 9'-1" PLATE OPTIONS. | |



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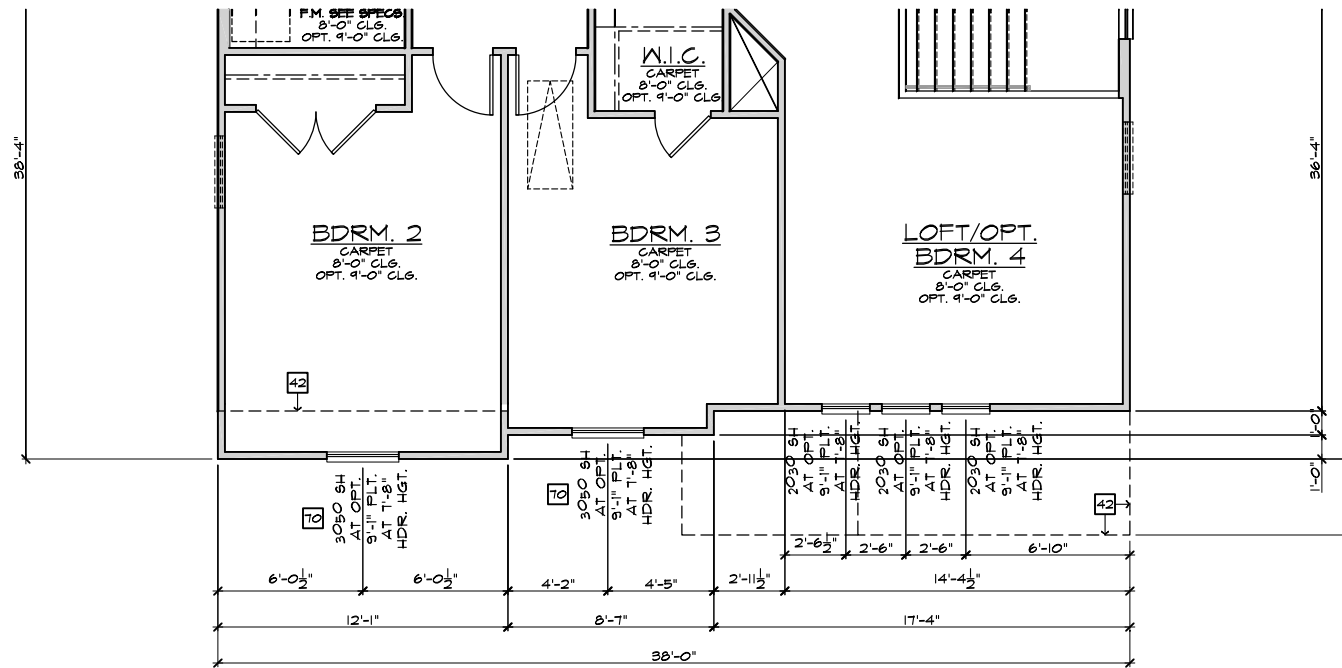
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PLAN:
238.2338
SHEET:
3.A4

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

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



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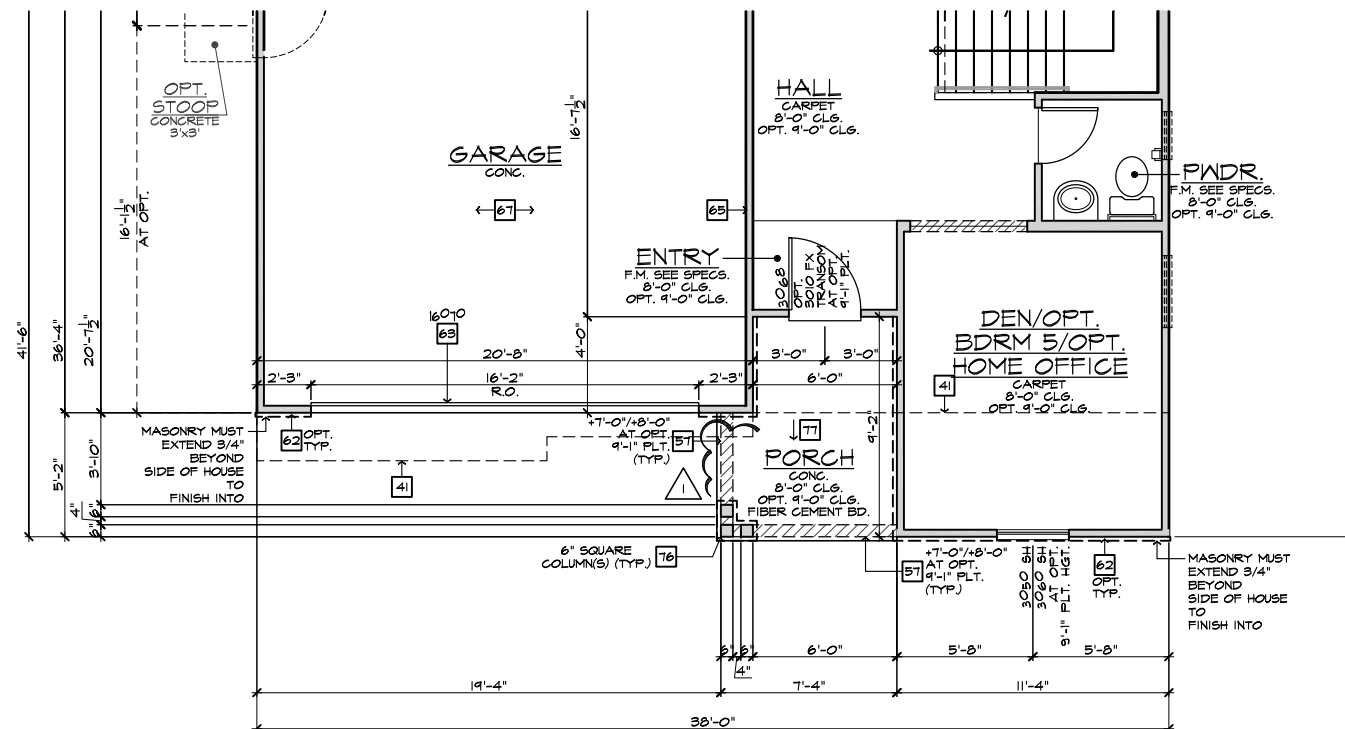
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PLAN: 238.2338
SHEET: 3.B1

SPEC. LEVEL 1
RALEIGH-DURHAM 40' SERIES



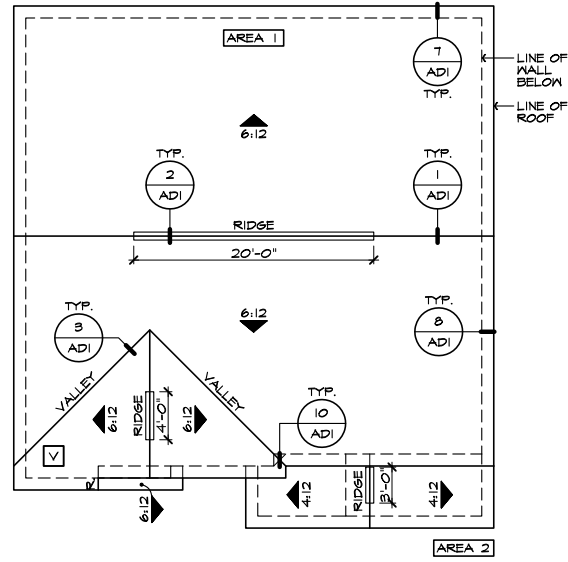
PARTIAL FIRST FLOOR PLAN 'B'

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

BASIC PLAN

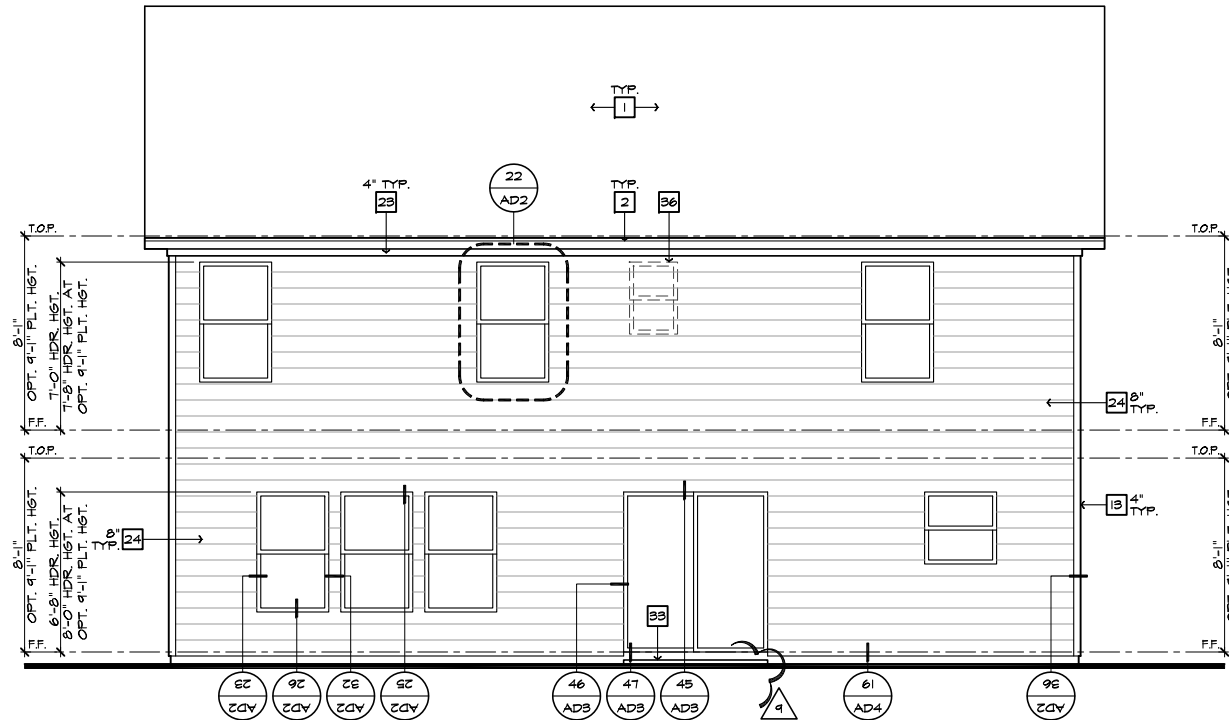
NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

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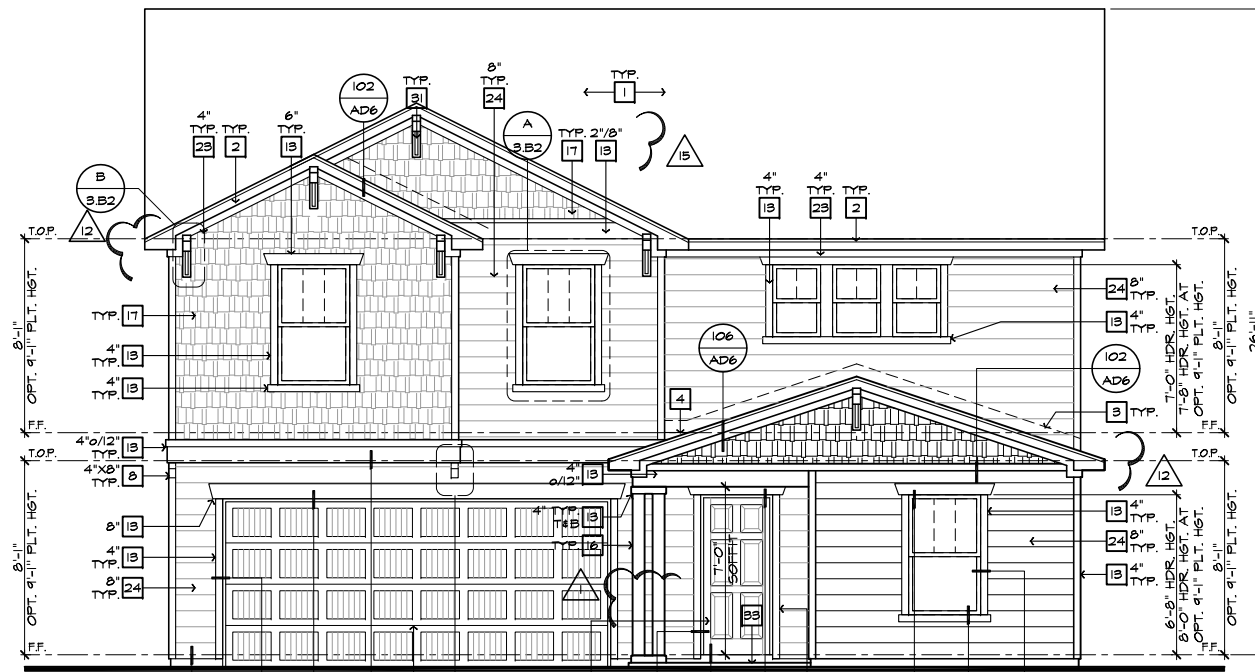
ROOF PLAN 'B'

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')



FRONT ELEVATION 'B'

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



PARTIAL FRONT ELEVATION 'B' W/ STONE OPTION

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

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

ROOF PLAN NOTES 'B'

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

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

ATTIC VENT CALCULATIONS

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

| AREA 1 / MAIN: | |
|-----------------------------------------|---------------------------------------------------------|
| VENTILATION REQUIRED: | SQ. FT. / 300 4.64 SQ. FT. |
| ATTIC AREA = 1407 | X 144 = 675 SQ. IN. |
| | TOTAL HIGH & LOW = 675 SQ. IN. |
| | X 50% = 338 SQ. IN. |
| VENTILATION PROVIDED: | |
| HIGH | |
| 24 | LF RIDGE VENT(S) AT 10 SQ. IN. / LF. = 482 SQ. IN. |
| 0 | ROOF VENT(S) AT 50 SQ. IN. EA. = 0 SQ. IN. |
| SUB-TOTAL HIGH VENTILATION: 482 SQ. IN. | |
| LOW | |
| 50 | LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = 345 SQ. IN. |
| 1 | ROOF VENT(S) AT 50 SQ. IN. EA. = 50 SQ. IN. |
| SUB-TOTAL LOW VENTILATION: 345 SQ. IN. | |
| TOTAL VENTILATION PROVIDED: 827 SQ. IN. | |
| AREA 2 / PORCH: | |
| VENTILATION REQUIRED: | SQ. FT. / 150 0.63 SQ. FT. |
| ATTIC AREA = 45 | X 144 = 41 SQ. IN. |
| | TOTAL HIGH & LOW = 41 SQ. IN. |
| VENTILATION PROVIDED: | |
| 4 | LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = 62 SQ. IN. |
| 4 | LF RIDGE VENT(S) AT 10 SQ. IN. EA. = 72 SQ. IN. |
| TOTAL VENTILATION PROVIDED: 134 SQ. IN. | |

NOTES:

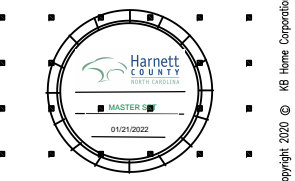
ALL VENT OPENINGS SHALL BE COVERED WITH 1/4" CORROSION RESISTANT METAL MESH.

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

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

PROVIDE APPROVED INSULATION DAMS (BAFFLES) WHERE VENT BLOCKS ARE USED BETWEEN ROOF FRAMING MEMBERS TO PREVENT VENT HOLES FROM BEING BLOCKED BY INSULATION. LOCATE HIGH VENTING MINIMUM 3'-0" VERTICAL DISTANCE ABOVE EAVES.

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



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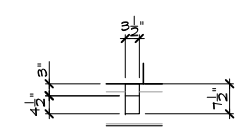
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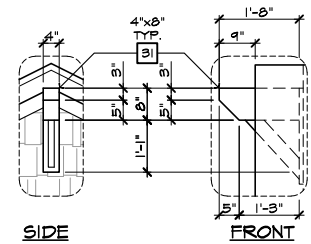
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 SHEET: 3.B2

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES



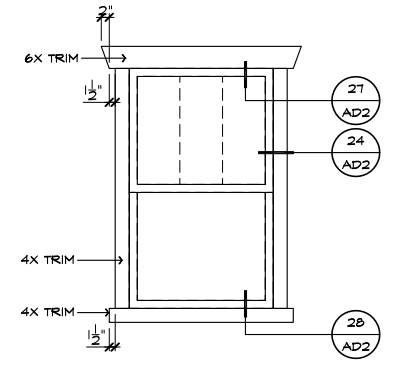
DETAIL 'C'

SCALE: N.T.S.



DETAIL 'B'

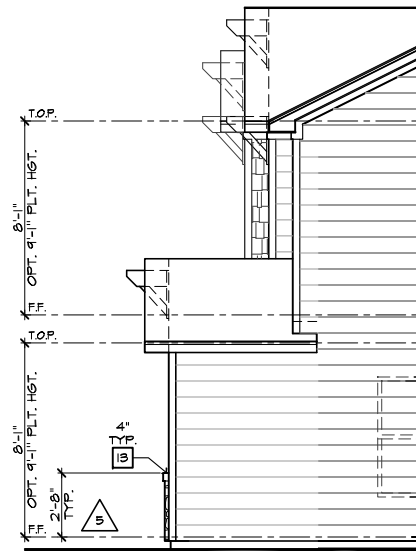
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DETAIL 'A'

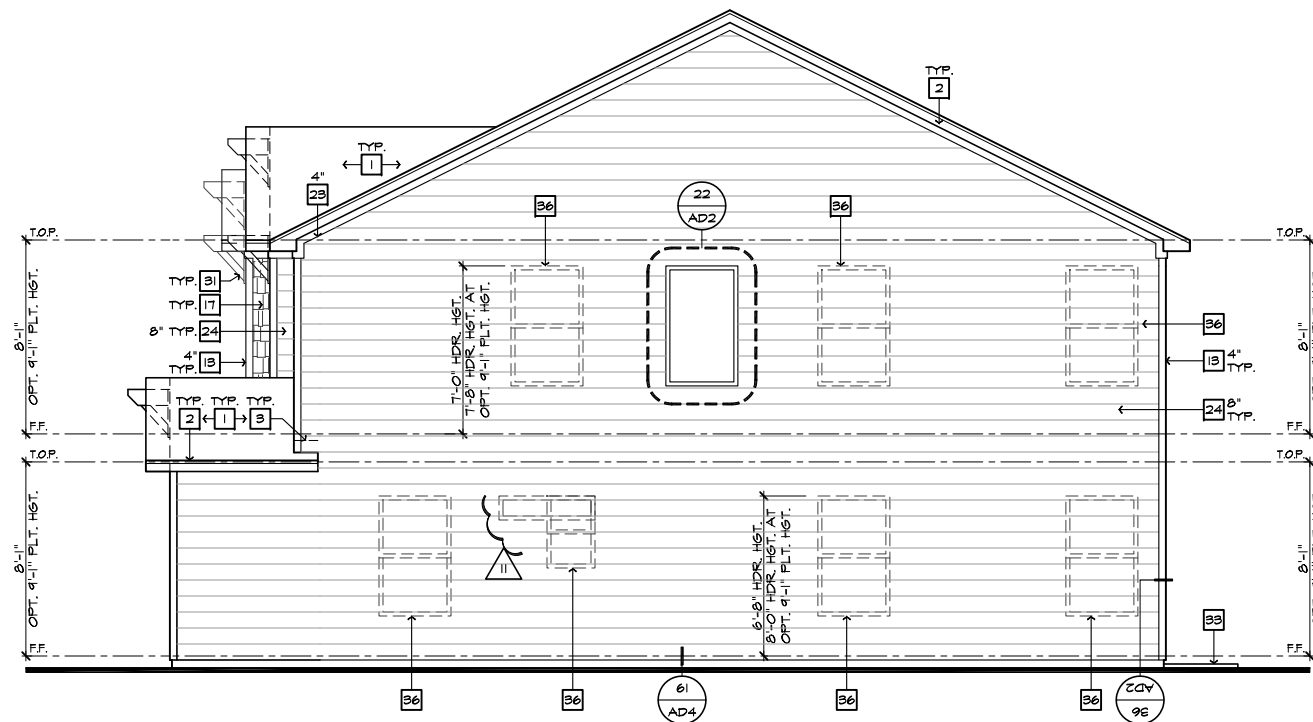
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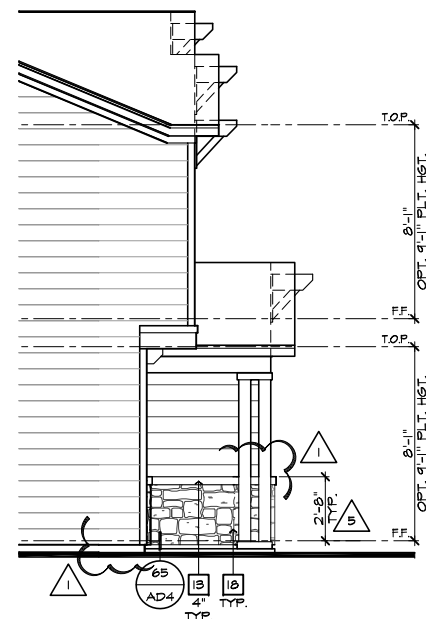
**PARTIAL RIGHT ELEVATION 'B'
W/ STONE OPTION**

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



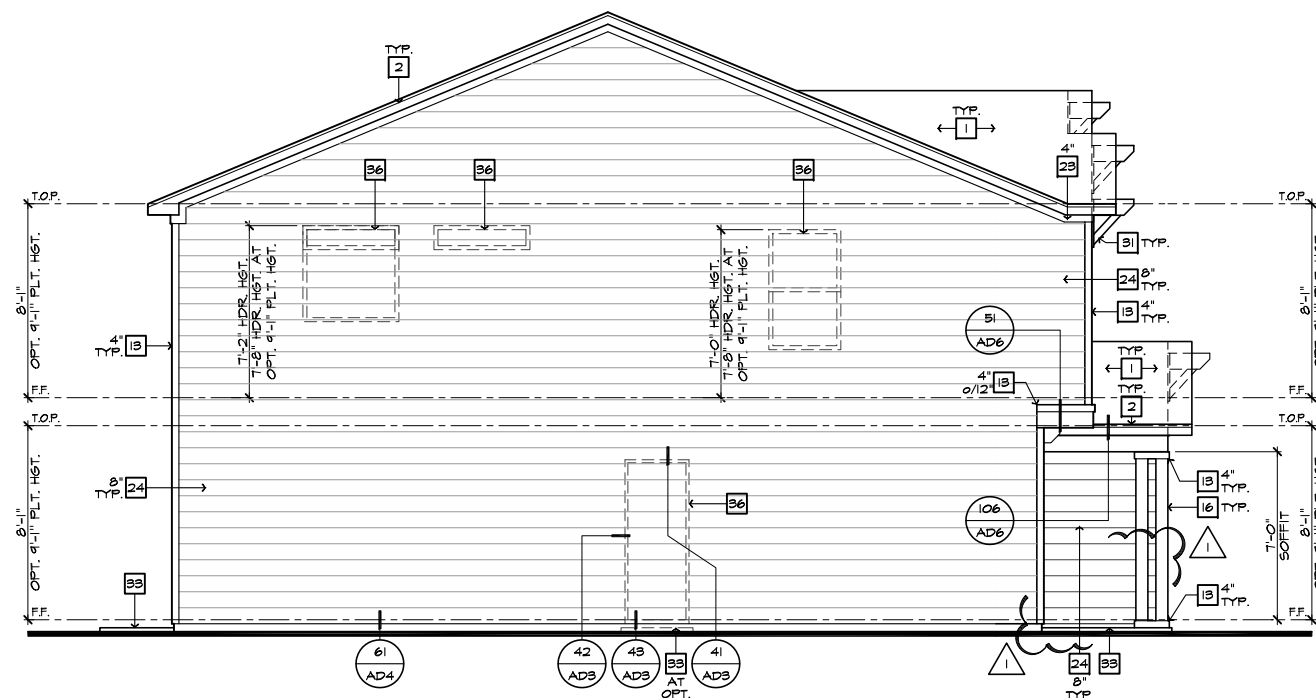
RIGHT ELEVATION 'B'

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



**PARTIAL LEFT ELEVATION 'B'
W/ STONE OPTION**

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



LEFT ELEVATION 'B'

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

| # | ELEVATION NOTES |
|--------------------------------|------------------------------------------------------------------------------------------------|
| NOTE: NOT ALL KEY NOTES APPLY. | |
| 1. | ROOF MATERIAL - REFER TO ROOF NOTES |
| 2. | 2X FASCIA/BARGE BOARD WITH FASCIA CAP |
| 3. | 6.1. FLASHING |
| 4. | 6.1. FLASHING & SADDLE/CRICKET |
| 5. | 6.1. DRIP SCREED |
| 6. | 24"X24" CHIMNEY |
| 7. | DECORATIVE VENT |
| 8. | DECORATIVE CORBEL |
| 9. | DECORATIVE SHUTTERS |
| 10. | PEDIMENT. SEE ELEVATION FOR TYPE |
| 11. | RECESSED ELEMENT |
| 12. | DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE |
| 13. | TRIM PER SPEC- SEE ELEVATION FOR SIZE |
| 14. | 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. | RONLOCK 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

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

**2018 NORTH
CAROLINA STATE
BUILDING
CODES**

ISSUE DATE: 01/08/15
PROJECT No.: 1350999:56
DIVISION MGR.: DCS
REVISIONS: 08/20/20

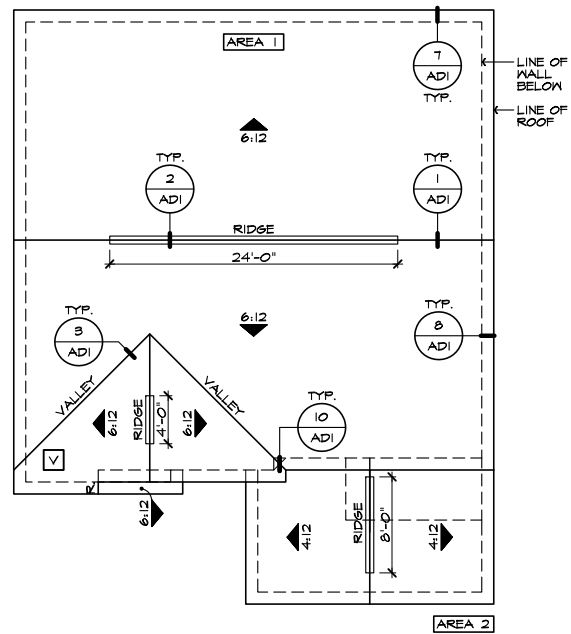
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- 12 DIVISION REVISION NC19657NCP - 09/26/19 - FAE
- 13 DIVISION REVISION NC20003NCP - 12/19/19 - CL
- 14 VENTILATION NC20008NCP - 01/17/20 - CL
- 15 DIVISION REVISION NC20013NCP - 02/10/20 - MCP
- 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
- 17 HOME OFFICE CORP20009CORP-08/20/20-CTD

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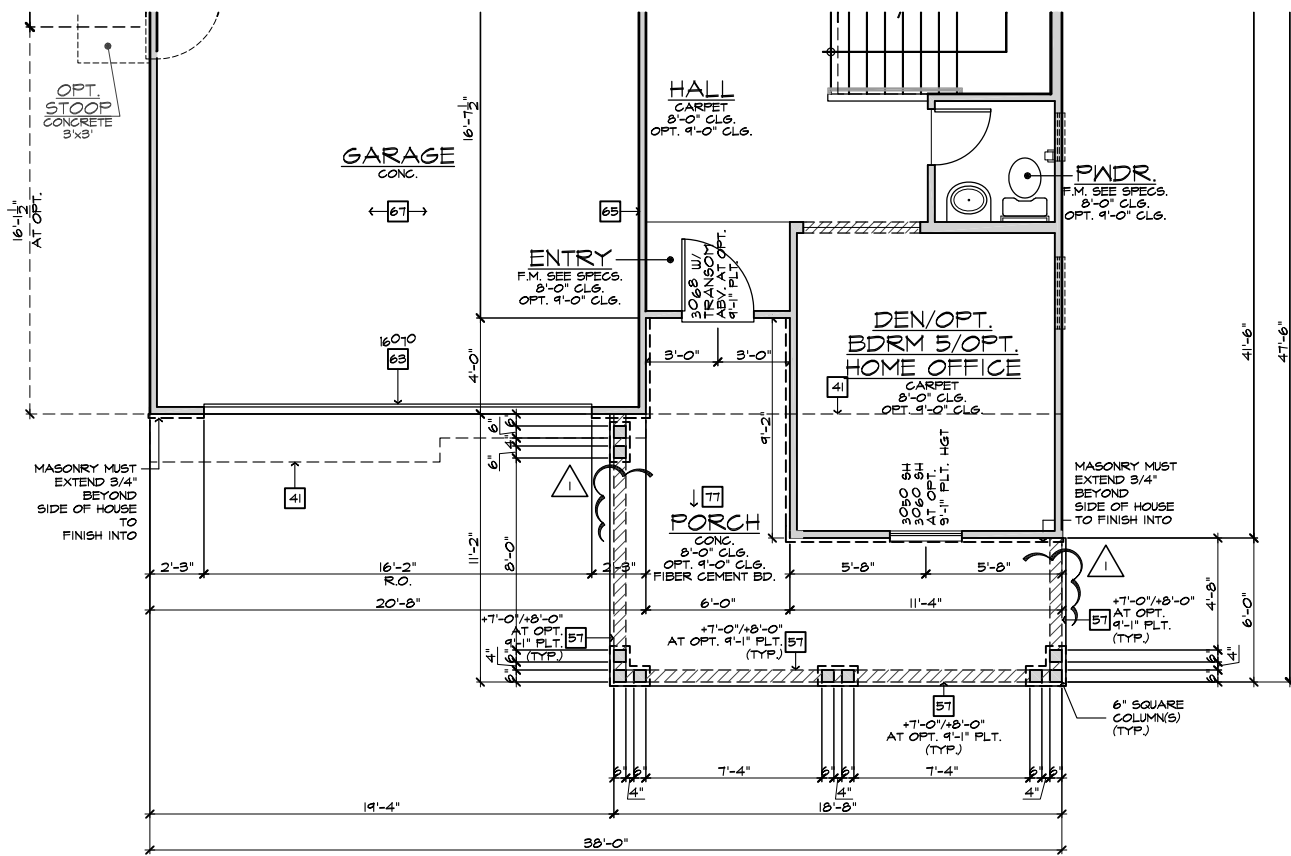
PLAN:
238.2338

SHEET:
3.B3

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



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

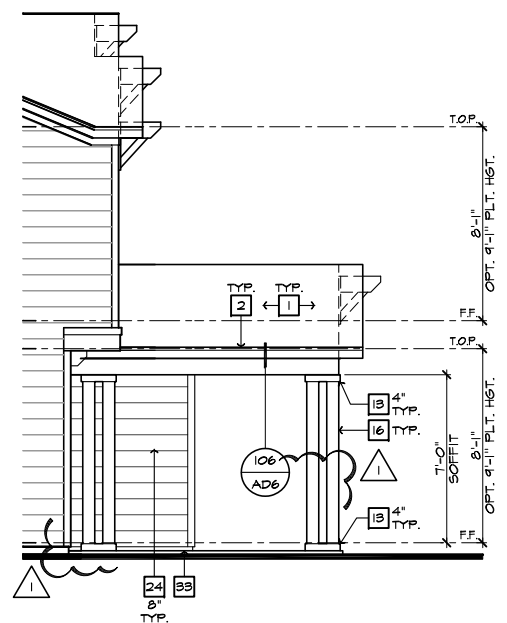


PARTIAL FIRST FLOOR PLAN 'B'
SCALE 1/4"=1'-0" (22'x34") - 1/8"=1'-0" (11'x17") AT OPT. PORCH

| # | 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. | 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS) |
| 50. | A/C PAD LOCATION |
| 51. | LOW WALL - REFER TO PLAN FOR HEIGHT |
| 52. | 2x6 STUD WALL |
| 54. | DBL. 2x4 WALL PER PLAN |
| 55. | INTERIOR SHELF - REFER TO PLAN FOR HEIGHT |
| 57. | FLAT SOFFIT |
| 58. | ARCHED SOFFIT |
| 60. | OPT. DOOR/WINDOW |
| 61. | PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST. |
| 62. | BRICK / STONE VENEER - REFER TO ELEVATIONS |
| 63. | SECTIONAL GARAGE DOOR PER SPECS |
| 66. | 3" DIAM. CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE. (NOT REQUIRED AT ELECTRIC WATER HEATERS OR FOR APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL TRAVEL PATH). |
| 68. | P.T. POST W/ WRAP. |
| 70. | EGRESS WINDOW |
| 75. | WINDOW LEDGE. HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOW(S) ON ALL SIDES U.N.O. |
| 76. | SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE |
| 77. | CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SIZE. |

| ROOF PLAN NOTES 'B' | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| | INDICATES ROOF SLOPE AND DIRECTION, U.N.O. |
| 4:12 | |
| ROOF MATERIAL: COMPOSITION SHINGLE | |
| 12" (INCHES) TYPICAL ROOF OVERHANGS AT RAKE, U.N.O. | |
| 12" (INCHES) TYPICAL ROOF OVERHANGS AT EAVE, U.N.O. | |
| LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARMALL PANELS. | |
| ATTIC VENT CALCULATIONS | |
| PROVIDE 1 SQ. IN. OF VENTILATION PER 300 SQ. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC. (HIGH 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 1/50. HIGH/LOW VENTINGS NOT REQUIRED. | |
| APPROXIMATE RIDGE VENT LOCATIONS SHOWN. | |
| ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD. | |
| AREA 1 / MAIN: | |
| VENTILATION REQUIRED: | SQ. FT. / 300 4.64 SQ. FT. |
| ATTIC AREA = 1407 | X 144 = 675 SQ. IN. |
| | TOTAL HIGH & LOW = 675 SQ. IN. |
| | X 50% = 338 SQ. IN. |
| VENTILATION PROVIDED: | |
| HIGH | |
| 24 | LF RIDGE VENT(S) AT 18 SQ. IN. / LF. = 482 SQ. IN. |
| 0 | ROOF VENT(S) AT 50 SQ. IN. EA. = 0 SQ. IN. |
| SUB-TOTAL HIGH VENTILATION: 482 SQ. IN. | |
| LOW | |
| 50 | LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = 345 SQ. IN. |
| 1 | ROOF VENT(S) AT 50 SQ. IN. EA. = 50 SQ. IN. |
| SUB-TOTAL LOW VENTILATION: 345 SQ. IN. | |
| TOTAL VENTILATION PROVIDED: 827 SQ. IN. | |
| AREA 2 / OPTION PORCH: | |
| VENTILATION REQUIRED: | SQ. FT. / 300 0.64 SQ. FT. |
| ATTIC AREA = 207 | X 144 = 91 SQ. IN. |
| | TOTAL HIGH & LOW = 91 SQ. IN. |
| VENTILATION PROVIDED: | |
| 20 | LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = 138 SQ. IN. |
| 0 | LF RIDGE VENT(S) AT 18 SQ. IN. EA. = 144 SQ. IN. |



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



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



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2018 NORTH CAROLINA STATE BUILDING CODES

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- 16 DIVISION REVISION NC20017NCF - 03/04/20 - KBA
- 17 HOME OFFICE CORP210093CORP-08/20/20-CTD

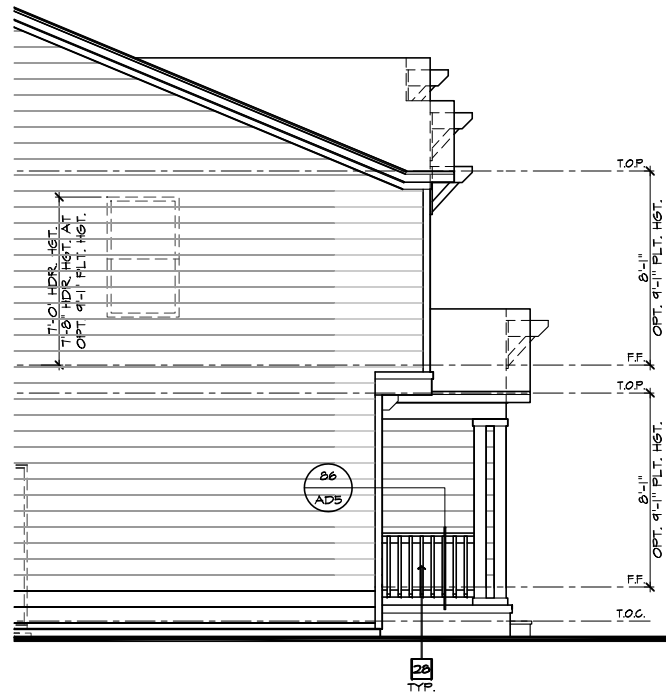
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PLAN: 238.2338
SHEET: 3.B4

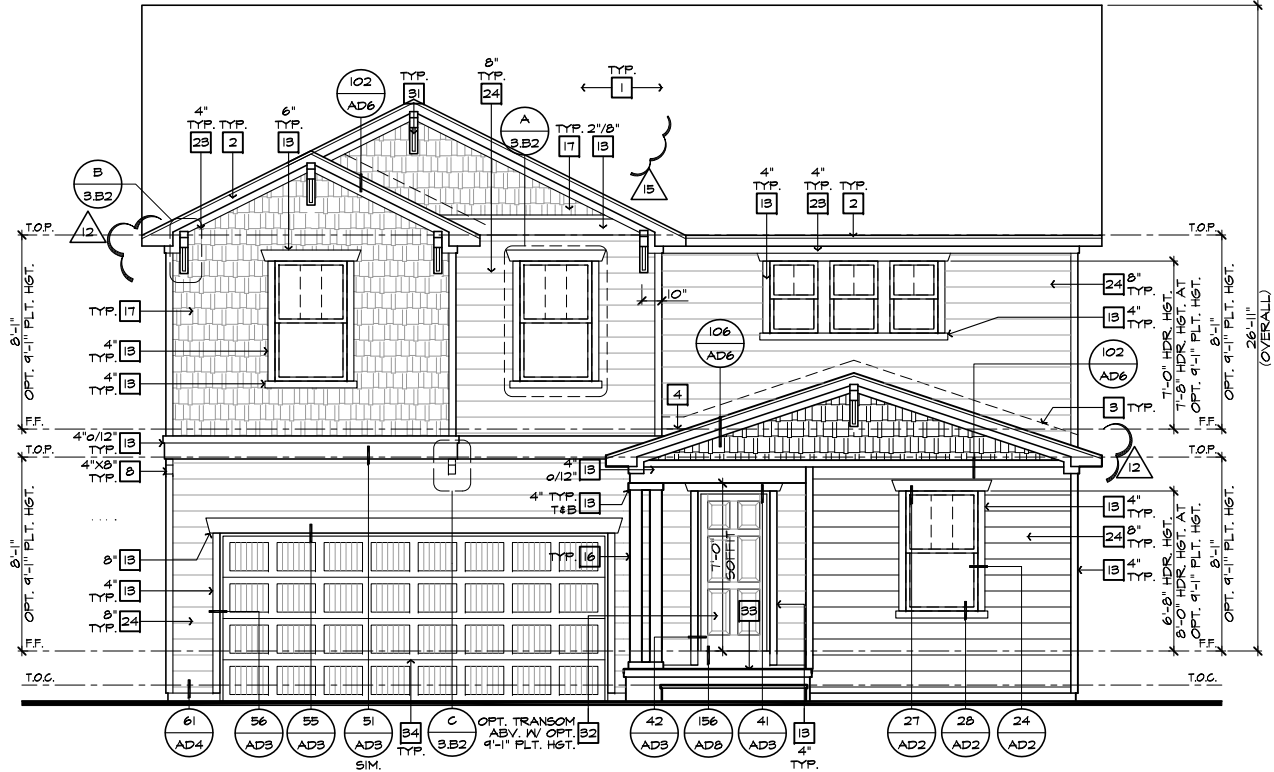
SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

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

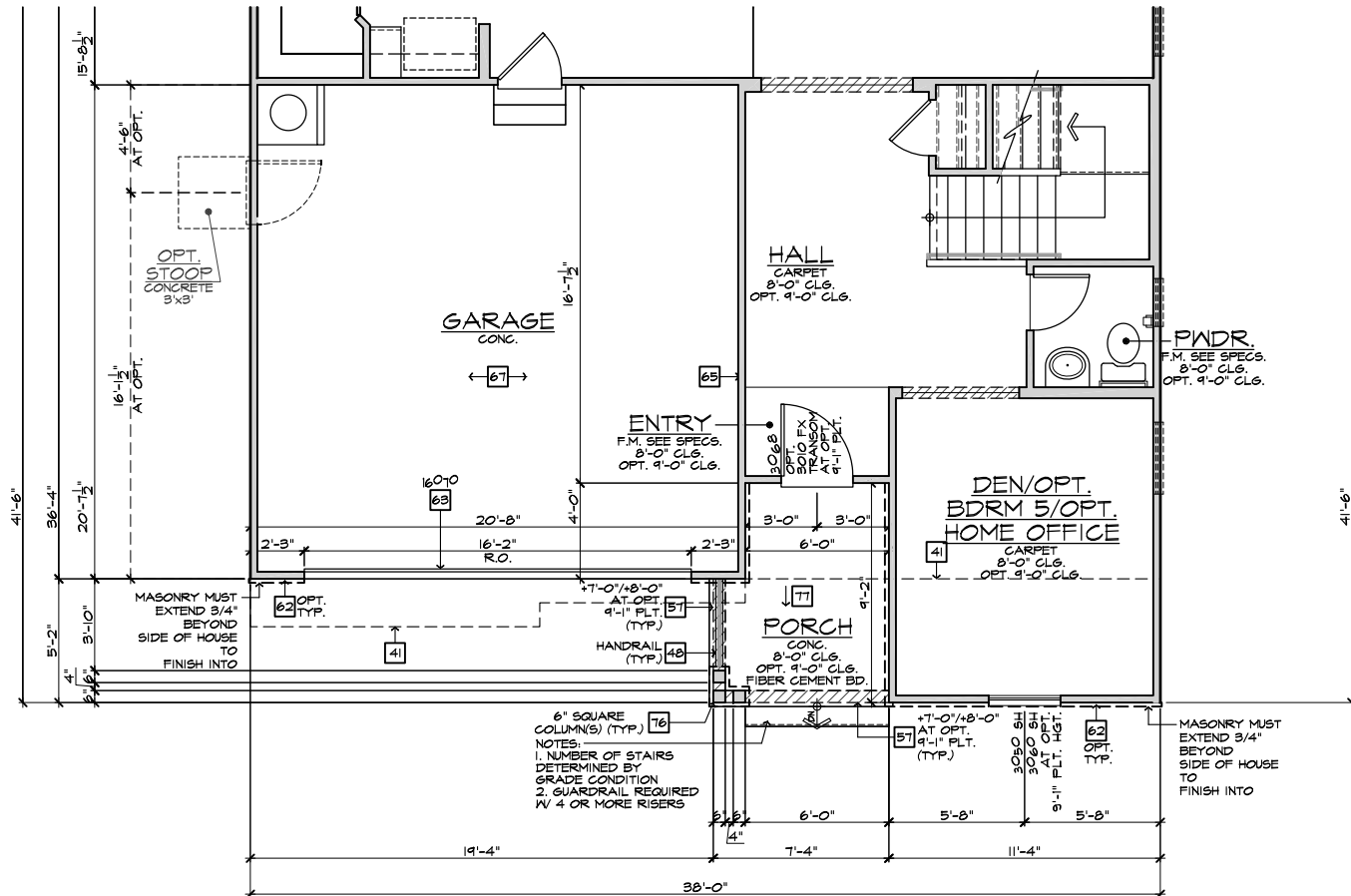
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PARTIAL LEFT ELEVATION 'B' AT CRAWL SPACE
 SCALE 1/4"=1'-0" (22'X34') - 1/8"=1'-0" (11'X17')



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



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

| # | ELEVATION NOTES |
|---------------------------------------|------------------------------------------------------------------------------------------------|
| NOTE: NOT ALL KEY NOTES APPLY. | |
| 1. | ROOF MATERIAL - REFER TO ROOF NOTES |
| 2. | 2X FASCIA/BARGE BOARD WITH FASCIA CAP |
| 3. | 6.1. FLASHING |
| 4. | 6.1. FLASHING & SADDLE/CRICKET |
| 5. | 6.1. DRIP SCREED |
| 6. | 24"X24" CHIMNEY |
| 7. | DECORATIVE VENT |
| 8. | DECORATIVE CORBEL |
| 9. | DECORATIVE SHUTTERS |
| 10. | PEDIMENT. SEE ELEVATION FOR TYPE |
| 11. | RECESSED ELEMENT |
| 12. | DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE |
| 13. | TRIM PER SPEC- SEE ELEVATION FOR SIZE |
| 14. | 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. | RONLOCK 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. | LINE 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS) |
| 50. | A/C PAD LOCATION |
| 51. | LOW WALL - REFER TO PLAN FOR HEIGHT |
| 52. | 2x6 STUD WALL |
| 54. | DEL. 2x4 WALL PER PLAN |
| 55. | INTERIOR SHELF - REFER TO PLAN FOR HEIGHT |
| 57. | FLAT SOFFIT |
| 58. | ARCHED SOFFIT |
| 60. | OPT. DOOR / WINDOW |
| 61. | PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST. |
| 62. | BRICK / STONE VENEER - REFER TO ELEVATIONS |
| 63. | SECTIONAL GARAGE DOOR PER SPECS |
| 66. | 3" DIAM. CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE. (NOT REQUIRED AT ELECTRIC WATER HEATERS OR FOR APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL TRAVEL PATH.) |
| 68. | P.T. POST W/ WRAP TO EGRESS WINDOW |
| 75. | WINDOW LEDGE. HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOW(S) ON ALL SIDES U.N.O. |
| 76. | SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE |
| 77. | CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SIZE |



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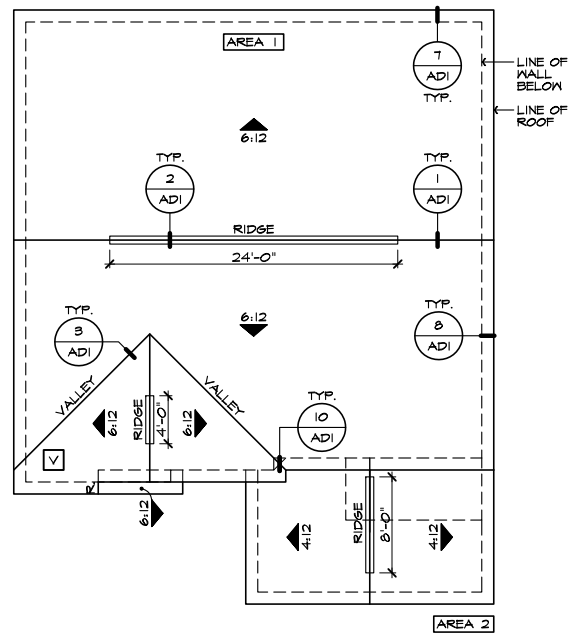
PLAN: 238.2338
 SHEET: 3.B5

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

NOTE: REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE

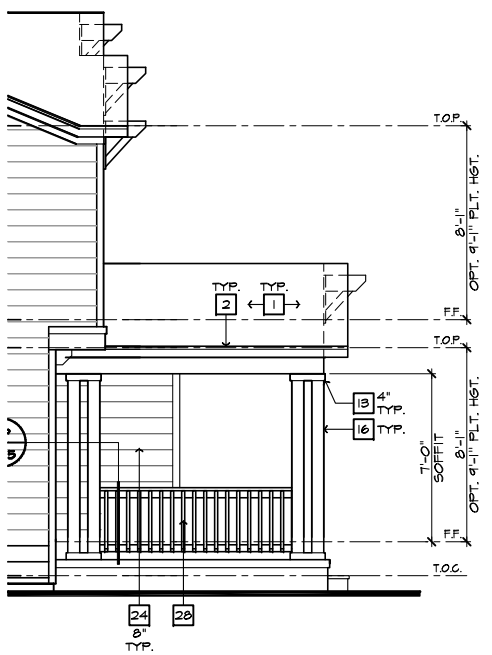
NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

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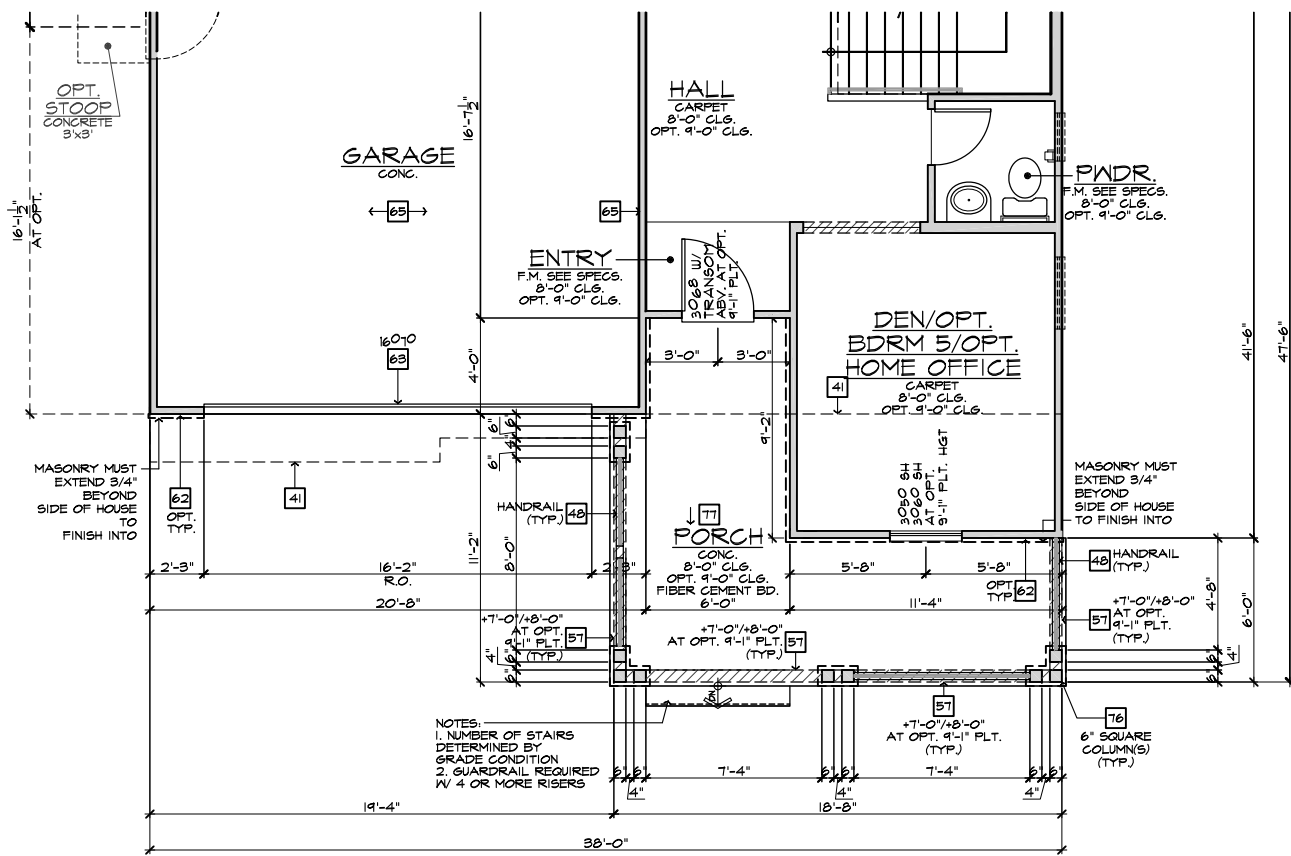


PARTIAL ROOF PLAN 'B'
SCALE 1/8"=1'-0" (22"x34") - 1/16"=1'-0" (11"x17") AT OPTION PORCH W/ CRAWL SPACE

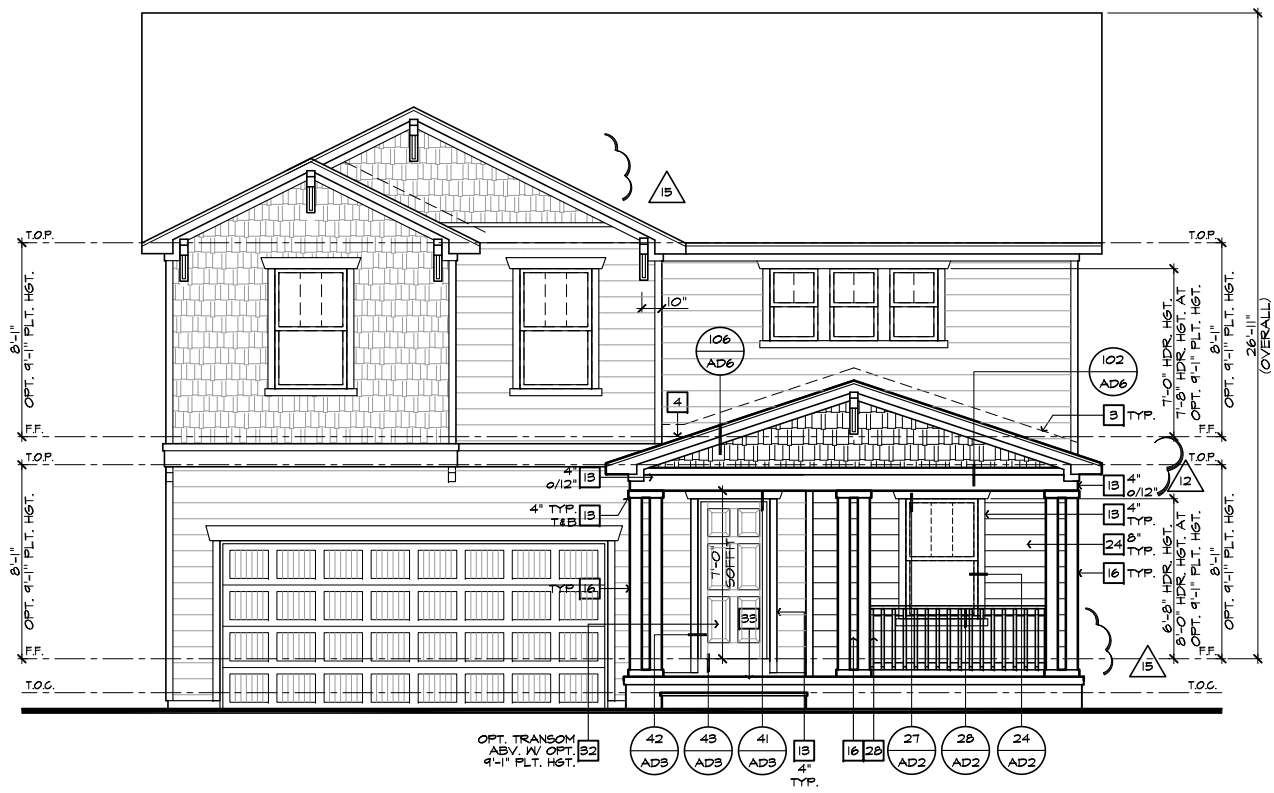
| ROOF PLAN NOTES 'B' | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| | INDICATES ROOF SLOPE AND DIRECTION, U.N.O. |
| 4:12 | |
| ROOF MATERIAL: COMPOSITION SHINGLE | |
| 12" (INCHES) TYPICAL ROOF OVERHANGS AT RAKE, U.N.O. | |
| 12" (INCHES) TYPICAL ROOF OVERHANGS AT EAVE, U.N.O. | |
| LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS. | |
| ATTIC VENT CALCULATIONS | |
| PROVIDE 1 SQ. IN. OF VENTILATION PER 300 SQ. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC (HIGH VENTING) LOCATED IN THE UPPER PORTION OF THE ATTIC (HIGH VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS (LOW VENTING) (2018 N.C.R. 806.2) | |
| * CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED. | |
| APPROXIMATE RIDGE VENT LOCATIONS SHOWN. | |
| ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD. | |
| AREA 1 / MAIN: | |
| VENTILATION REQUIRED: | SQ. FT. / 300 4.64 SQ. FT. |
| ATTIC AREA = 1407 | X 144 = 675 SQ. IN. |
| TOTAL HIGH & LOW: | 675 SQ. IN. |
| X 50% = | 338 SQ. IN. |
| VENTILATION PROVIDED: | |
| HIGH | |
| 24 | LF RIDGE VENT(S) AT 10 SQ. IN. / LF. = 482 SQ. IN. |
| 0 | ROOF VENT(S) AT 50 SQ. IN. EA. = 0 SQ. IN. |
| SUB-TOTAL HIGH VENTILATION: | 482 SQ. IN. |
| LOW | |
| 50 | LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = 345 SQ. IN. |
| 1 | ROOF VENT(S) AT 50 SQ. IN. EA. = 50 SQ. IN. |
| SUB-TOTAL LOW VENTILATION: | 345 SQ. IN. |
| TOTAL VENTILATION PROVIDED: | 827 SQ. IN. |
| AREA 2 / OPTION PORCH: | |
| VENTILATION REQUIRED: | SQ. FT. / 300 0.64 SQ. FT. |
| ATTIC AREA = 207 | X 144 = 99 SQ. IN. |
| TOTAL HIGH & LOW: | 99 SQ. IN. |
| VENTILATION PROVIDED: | |
| 20 | LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = 138 SQ. IN. |
| 0 | LF RIDGE VENT(S) AT 10 SQ. IN. EA. = 144 SQ. IN. |
| TOTAL VENTILATION PROVIDED: | 282 SQ. IN. |
| NOTES: | |
| ALL VENT OPENINGS SHALL BE COVERED WITH 1/4" CORROSION RESISTANT METAL MESH. | |
| FRAMER SHALL BE RESPONSIBLE FOR COORDINATING WITH TRUSS MANUFACTURER TO ACCOMMODATE ALL ATTIC VENTS. | |
| ALL VENTS SHALL BE INSTALLED SO AS TO MAKE THEM WATER-PROOF & WALL MOUNTED LOWERS SHALL BE SEALED & FLASHED W/ "MOISTOP" IN THE SAME MANNER PRESCRIBED FOR WINDOW INSTALLATION. | |
| PROVIDE APPROVED INSULATION DAMS (BAFFLES) WHERE VENT BLOCKS ARE USED BETWEEN ROOF FRAMING MEMBERS TO PREVENT VENT HOLES FROM BEING BLOCKED BY INSULATION. | |
| LOCATE HIGH VENTING MINIMUM 3'-0" VERTICAL DISTANCE ABOVE EAVES. | |
| WHEN GABLE END TRUSS MEMBERS BLOCK GABLE END VENTS, PROVIDE ADEQUATE ADDITIONAL VENTILATION BY MEANS OF ROOF TILE VENTS. | |



PARTIAL LEFT ELEVATION 'B'
AT OPTIONAL PORCH W/ CRAWL SPACE
SCALE 1/4"=1'-0" (22"x34") - 1/8"=1'-0" (11"x17")



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



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

| ELEVATION NOTES | |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NOTE: NOT ALL KEY NOTES APPLY. | |
| 1. | ROOF MATERIAL - REFER TO ROOF NOTES |
| 2. | 2X FASCIA/BARGE BOARD WITH FASCIA CAP |
| 3. | 6:1. FLASHING |
| 4. | 6:1. FLASHING & SADDLE/CRICKET |
| 5. | 6:1. DRIP SCREED |
| 6. | 24"x24" CHIMNEY |
| 7. | DECORATIVE VENT |
| 8. | DECORATIVE CORBEL |
| 9. | DECORATIVE SHUTTERS |
| 10. | PEDIMENT. SEE ELEVATION FOR TYPE |
| 11. | RECESSED ELEMENT |
| 12. | DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE |
| 13. | TRIM PER SPEC- SEE ELEVATION FOR SIZE |
| 14. | 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. | |
| 21. | WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS) |
| 28. | WATER HEATER 3" VENT TO OUTSIDE AIR |
| 29. | MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE |
| 34. | LINE OF WALL BELOW |
| 41. | LINE OF FLOOR ABOVE |
| 42. | LINE OF FLOOR BELOW |
| 48. | LINE 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS) |
| 50. | A/C PAD LOCATION |
| 51. | LOW WALL - REFER TO PLAN FOR HEIGHT |
| 52. | 2x6 STUD WALL |
| 54. | DBL. 2x4 WALL PER PLAN |
| 55. | INTERIOR SHELF - REFER TO PLAN FOR HEIGHT |
| 57. | FLAT SOFFIT |
| 58. | ARCHED SOFFIT |
| 60. | OPT. DOOR/WINDOW |
| 61. | PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST. |
| 62. | BRICK / STONE VENEER - REFER TO ELEVATIONS |
| 63. | SECTIONAL GARAGE DOOR PER SPECS |
| 66. | 3" DIAM. CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE. (NOT REQUIRED AT ELECTRIC WATER HEATERS OR FOR APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL TRAVEL PATH) |
| 68. | P.T. POST W/ WRAP. |
| 75. | EGRESS WINDOW |
| 76. | WINDOW LEDGE. HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOW(S) ON ALL SIDES U.N.O. |
| 77. | SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE |
| 77. | CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SIZE. |



NORTH CAROLINA 40' SERIES

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2018 NORTH CAROLINA STATE BUILDING CODES

- ISSUE DATE: 01/08/15
- PROJECT No.: 1350999:56
- DIVISION MGR.: DCS
- REVISIONS: 08/20/20
- 11 DIVISION REVISION NC13654NCP - 08/28/19 - FAB
- 12 DIVISION REVISION NC13657NCP - 09/26/19 - FAB
- 13 DIVISION REVISION NC20003NCP - 12/19/19 - CL
- 14 VENTILATION NC20004NCP - 01/17/20 - CL
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- 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
- 17 HOME OFFICE CORP20093CORP-08/20/20-CTD

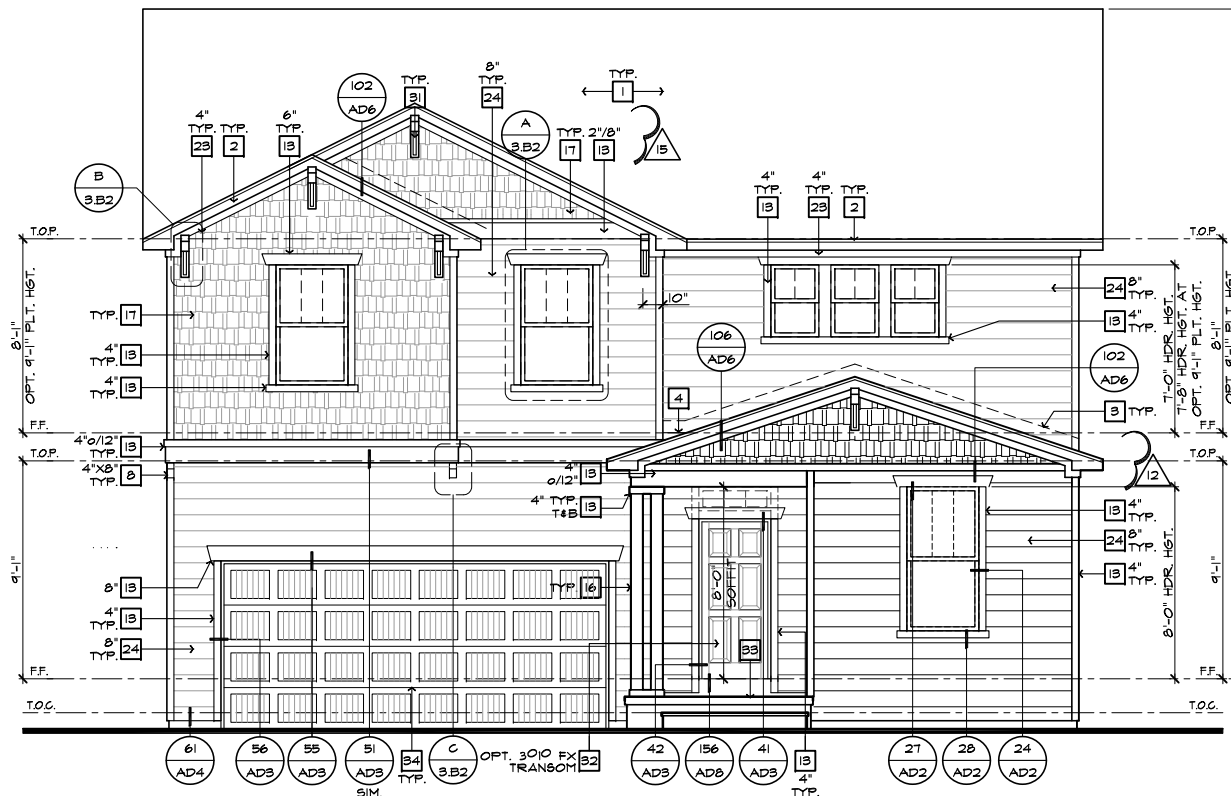
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PLAN: 238.2338
SHEET: 3.B6

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

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

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

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

| # | ELEVATION NOTES |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| NOTE: NOT ALL KEY NOTES APPLY. | |
| 1. | ROOF MATERIAL - REFER TO ROOF NOTES |
| 2. | 2X FASCIA/BARGE BOARD WITH FASCIA CAP |
| 3. | 6.1. FLASHING |
| 4. | 6.1. FLASHING & SADDLE/CRICKET |
| 5. | 6.1. DRIP SCREED |
| 6. | 24"X24" CHIMNEY |
| 7. | DECORATIVE VENT |
| 8. | DECORATIVE CORBEL |
| 9. | DECORATIVE SHUTTERS |
| 10. | PEDIMENT. SEE ELEVATION FOR TYPE |
| 11. | RECESSED ELEMENT |
| 12. | DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE |
| 13. | TRIM PER SPEC- SEE ELEVATION FOR SIZE |
| 14. | 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 |
| 9'-1" PLATE OPTION | |
| NOTE: WINDOW SIZES WILL INCREASE BY 1" AT 9'-1" PLATE OPTIONS. HEADER HEIGHTS FOR ALL WINDOWS WILL BE 7'-8" AT 9'-1" PLATE OPTIONS. | |

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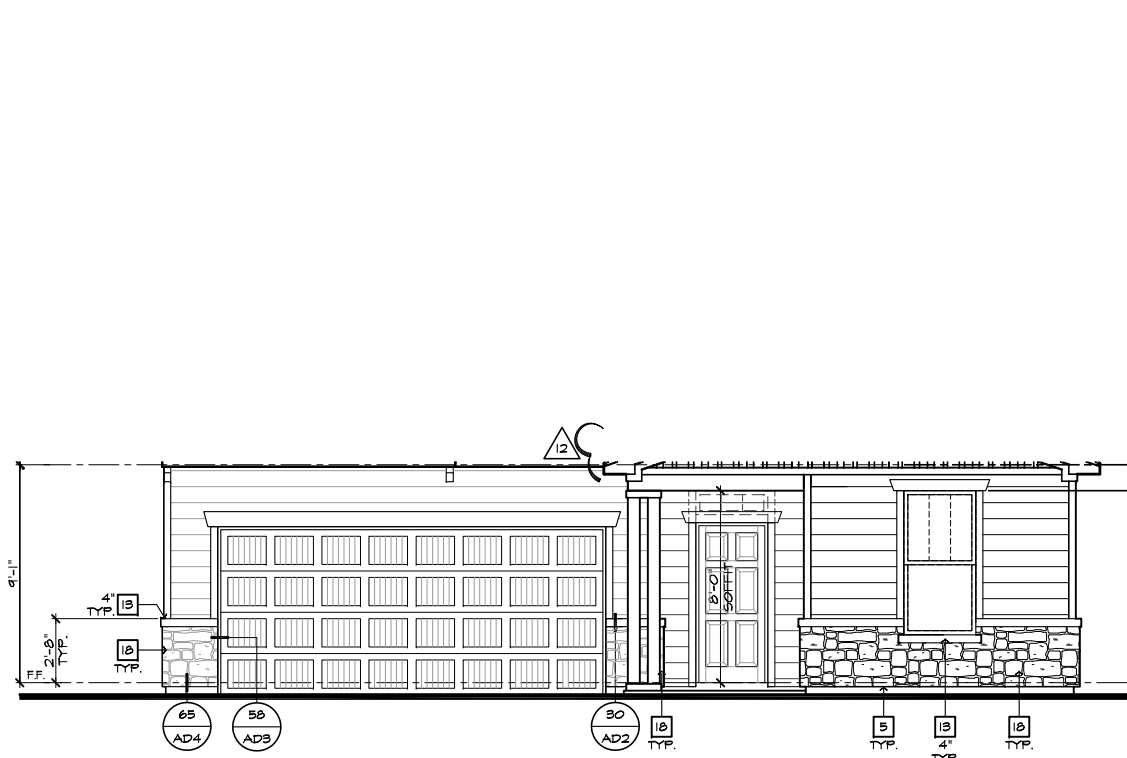
2018 NORTH CAROLINA STATE BUILDING CODES

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- DIVISION MGR.: DCS
- REVISIONS: 08/20/20
- 11 DIVISION REVISION NC19654NCP - 08/28/19 - FAE
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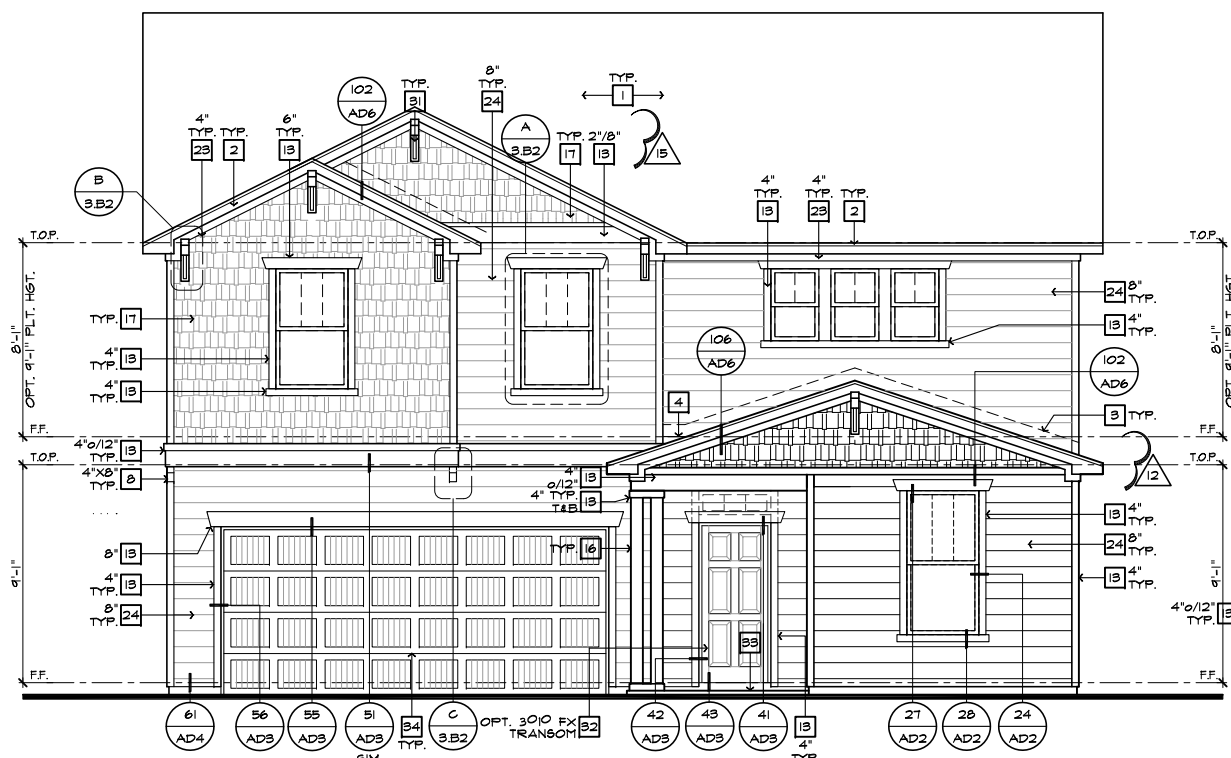
PLAN:
238.2338
SHEET:
3.B7

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES



PARTIAL FRONT ELEVATION 'B' AT OPTIONAL 9'-1" PLT. HGT. W/ STONE OPT.

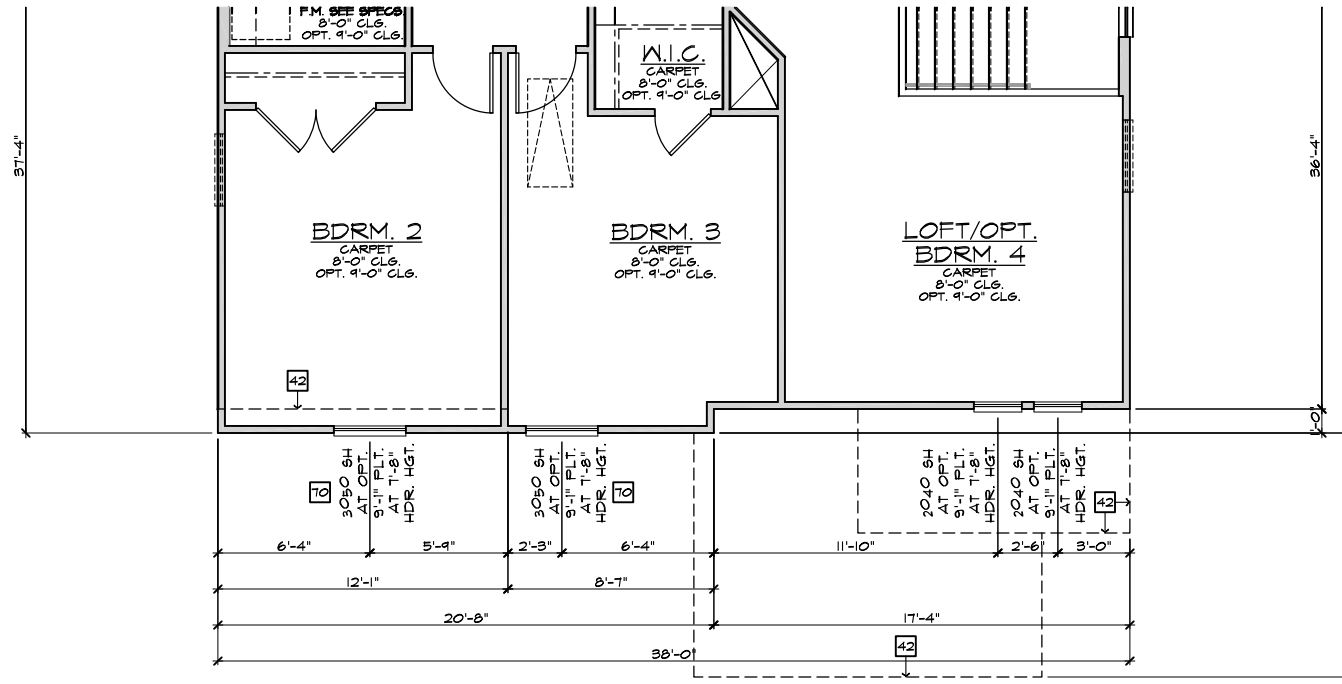
SCALE 1/4"=1'-0" (22'X34") - 1/8"=1'-0" (11'X17")



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

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

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PARTIAL SECOND FLOOR PLAN 'C'

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

BASIC PLAN

| # | PARTIAL PLAN NOTES |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NOTE: NOT ALL KEY NOTES APPLY. | |
| 27. | WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS) |
| 28. | WATER HEATER B VENT TO OUTSIDE AIR |
| 29. | MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE |
| 34. | LINE OF WALL BELOW |
| 41. | LINE OF FLOOR ABOVE |
| 42. | LINE OF FLOOR BELOW |
| 43. | MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS) |
| 50. | A/C PAD LOCATION |
| 51. | LOW WALL - REFER TO PLAN FOR HEIGHT |
| 52. | 2x6 STUD WALL |
| 54. | DEL. 2x4 WALL PER PLAN |
| 55. | INTERIOR SHELF - REFER TO PLAN FOR HEIGHT |
| 57. | FLAT SOFFIT |
| 58. | ARCHED SOFFIT |
| 60. | OPT. DOOR/WINDOW |
| 61. | PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) |
| 62. | BRICK / STONE VENEER - REFER TO ELEVATIONS |
| 63. | SECTIONAL GARAGE DOOR PER SPECS |
| 66. | 3" DIAM. CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE (NOT REQUIRED AT ELECTRIC WATER HEATERS OR FOR APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL TRAVEL PATH) |
| 68. | P.T. POST IV WRAP |
| 70. | EGRESS WINDOW |
| 75. | WINDOW LEDGE - HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOW(S) ON ALL SIDES UNO. |
| 76. | SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE |
| 77. | CONCRETE SLAB - SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SITE |

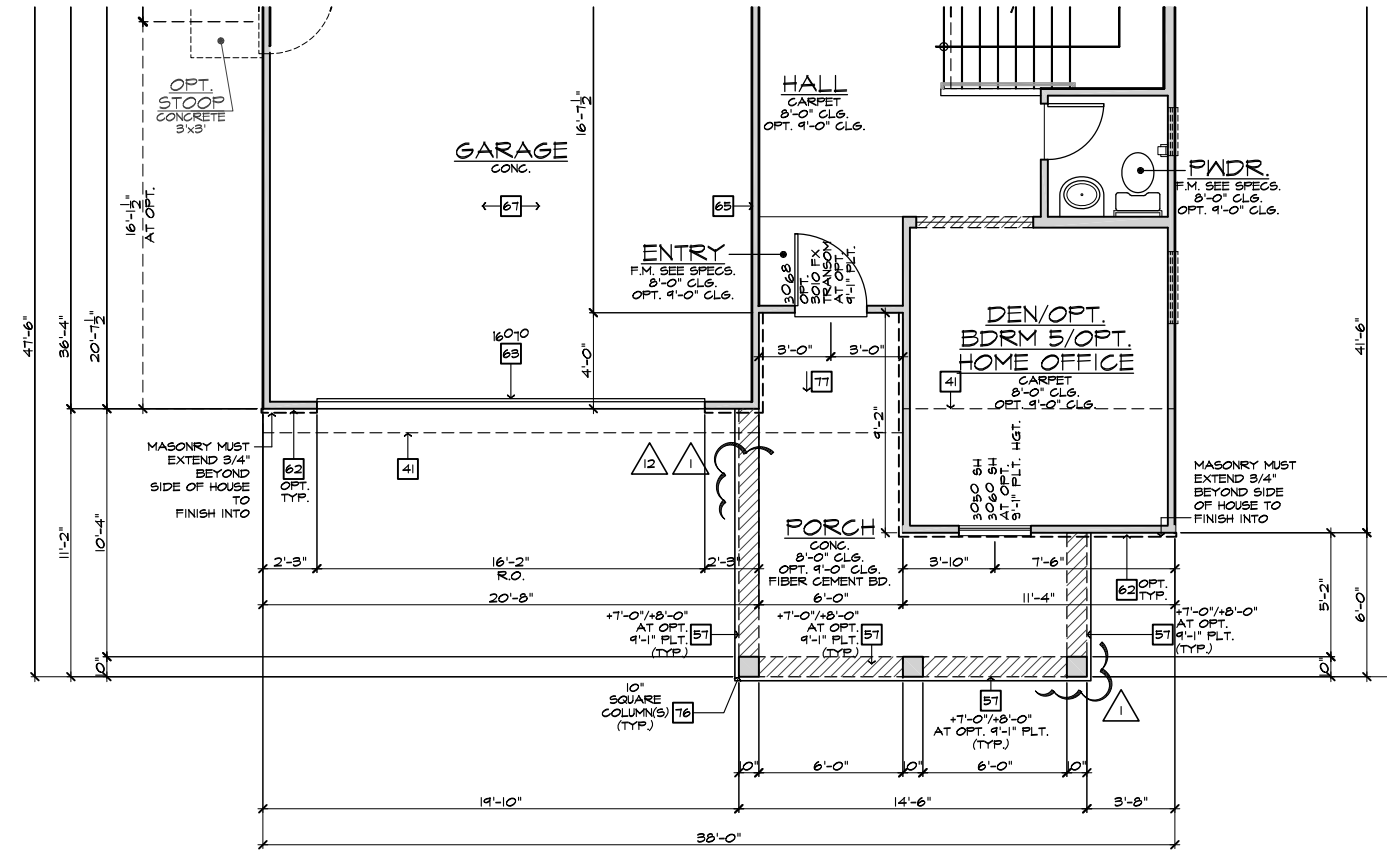


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2018 NORTH CAROLINA STATE BUILDING CODES

- ISSUE DATE: 01/08/15
- PROJECT No.: 1350099:56
- DIVISION MGR.: DCS
- REVISIONS: 08/20/20
- 11 DIVISION REVISION NC19654NCP - 08/28/19 - FAE
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- 13 DIVISION REVISION NC20003NCP - 12/15/19 - CL
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- 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
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PARTIAL FIRST FLOOR PLAN 'C'

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

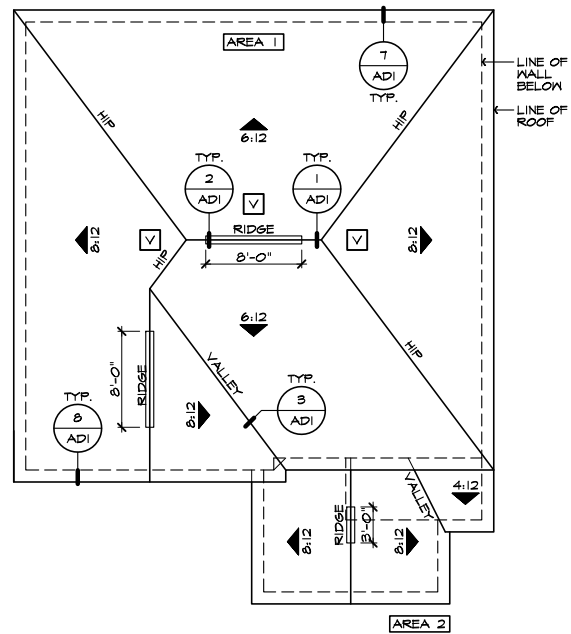
BASIC PLAN

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

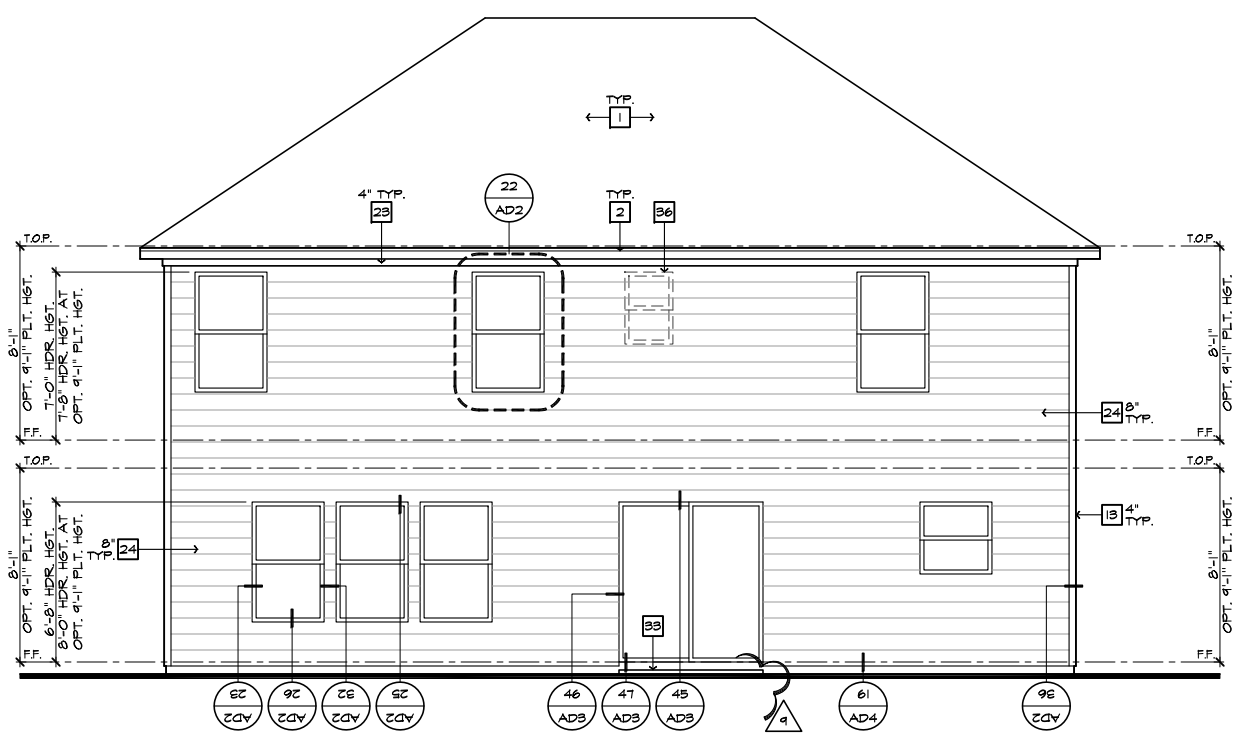
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PLAN:
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SHEET:
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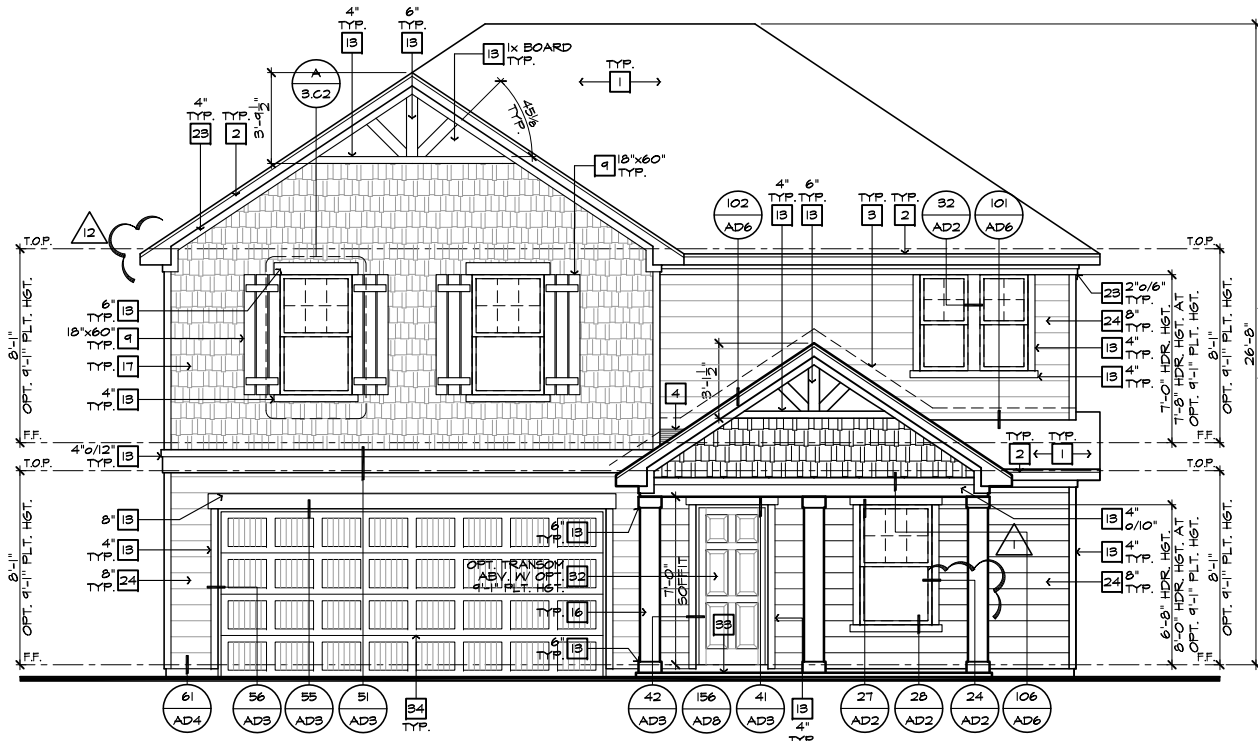
SPEC. LEVEL 1
RALEIGH-DURHAM 40' SERIES



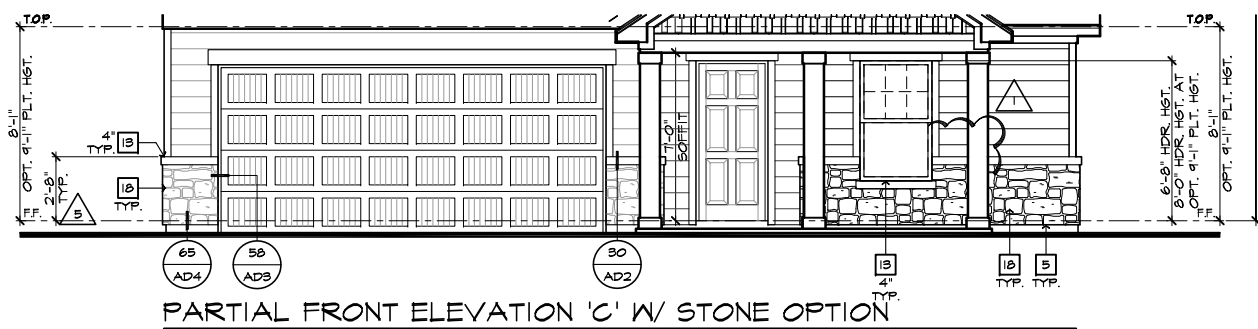
ROOF PLAN 'C'
SCALE 1/8"=1'-0" (22"X34") - 1/16"=1'-0" (11"X17")



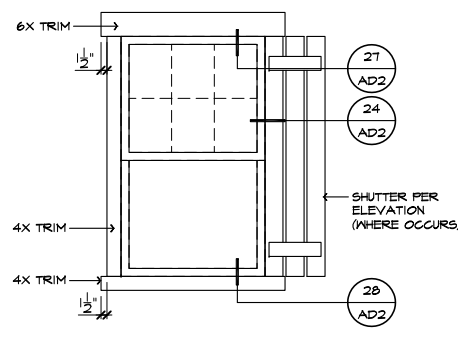
REAR ELEVATION 'C'
SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")



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



PARTIAL FRONT ELEVATION 'C' W/ STONE OPTION
SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")



DETAIL 'A'
SCALE: N.T.S.

- ELEVATION NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
- ROOF MATERIAL - REFER TO ROOF NOTES
 - 2X FASCIA/BARGE BOARD WITH FASCIA CAP
 - 6:1 FLASHING
 - 6:1 FLASHING & SADDLE/CRICKET
 - 6:1 DRIP SCREED
 - 24"X24" CHIMNEY
 - DECORATIVE VENT
 - DECORATIVE CORBEL
 - DECORATIVE SHUTTERS
 - PEDIMENT. SEE ELEVATION FOR TYPE
 - RECESSED ELEMENT
 - DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
 - TRIM PER SPEC- SEE ELEVATION FOR SIZE
 - SYNTHETIC MATERIAL
 - PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
 - SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
 - SHAKE SIDING
 - STONE VENEER PER SPECS
 - BRICK/MASONRY VENEER PER SPECS
 - BUILT UP BRICK COLUMN
 - SOLDIER COURSE
 - ROCKLOCK COURSE
 - FRIEZE BOARD
 - SIDING W/ 4" CORNER TRIM PER SPECS
 - P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
 - PRE-FAB DECORATIVE TRIM
 - LIGHT WEIGHT PRECAST STONE TRIM
 - P.T. LUMBER RAILINGS (36" U.N.O.)
 - WRAP
 - DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE.
 - BRACKET OR KICKER - FYPON OR EQ.
 - ENTRY DOOR
 - CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.
 - SECTIONAL GARAGE DOOR PER SPECS
 - ALUMINUM WRAP
 - OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS
 - OPTIONAL STANDING SEAM METAL ROOF
 - KEYSTONE
 - SOLDIER CROWN
 - JACK SOLDIER COURSE
 - WATER TABLE
 - ATRIUM DOOR
 - PILASTER - SEE ELEVATION FOR TYPE

ROOF PLAN NOTES 'C'

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

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

ATTIC VENT CALCULATIONS

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

| AREA 1 / MAIN: | |
|------------------------------------------------|----------------------------------------------------|
| VENTILATION REQUIRED: | |
| ATTIC AREA = 1401 | 300 SQ. FT. / 800 4.67 SQ. FT. X 144 = 672 SQ. IN. |
| | TOTAL HIGH & LOW = 672 SQ. IN. X 50% = 336 SQ. IN. |
| VENTILATION PROVIDED: | |
| HIGH | |
| 16 LF RIDGE VENT(S) AT 10 SQ. IN. / LF. = | 280 SQ. IN. |
| 3 ROOF VENT(S) AT 50 SQ. IN. EA. = | 150 SQ. IN. |
| SUB-TOTAL HIGH VENTILATION: | 430 SQ. IN. |
| LOW | |
| 50 LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = | 400 SQ. IN. |
| 0 ROOF VENT(S) AT 50 SQ. IN. EA. = | 0 SQ. IN. |
| SUB-TOTAL LOW VENTILATION: | 400 SQ. IN. |
| TOTAL VENTILATION PROVIDED: | 830 SQ. IN. |
| AREA 2 / PORCH: | |
| VENTILATION REQUIRED: | |
| ATTIC AREA = 180 | 300 SQ. FT. / 150 1.20 SQ. FT. X 144 = 178 SQ. IN. |
| | TOTAL HIGH & LOW = 178 SQ. IN. |
| VENTILATION PROVIDED: | |
| HIGH | |
| 16 LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = | 110 SQ. IN. |
| 6 LF RIDGE VENT(S) AT 10 SQ. IN. EA. = | 100 SQ. IN. |
| TOTAL VENTILATION PROVIDED: | 210 SQ. IN. |

NOTES:

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

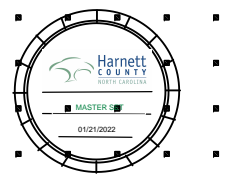
FRAMER SHALL BE RESPONSIBLE FOR COORDINATING WITH TRUSS MANUFACTURER TO ACCOMMODATE ALL ATTIC VENTS.

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

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

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

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



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17 HOME OFFICE CORP20009CORP-08/20/20-CTD

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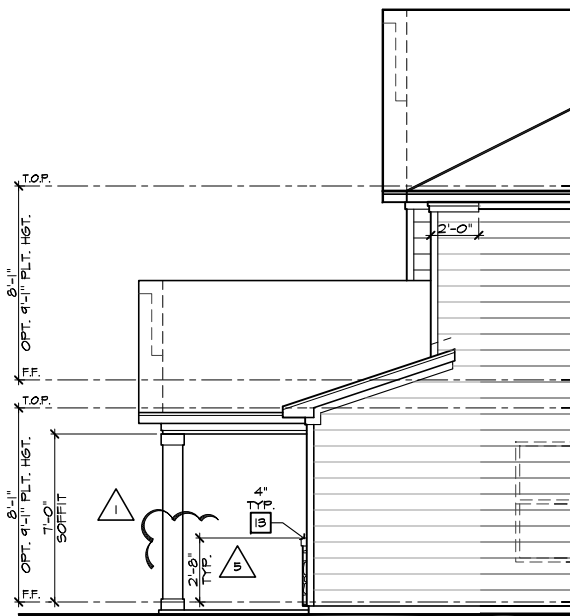
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PLAN: 238.2338
SHEET: 3.C2

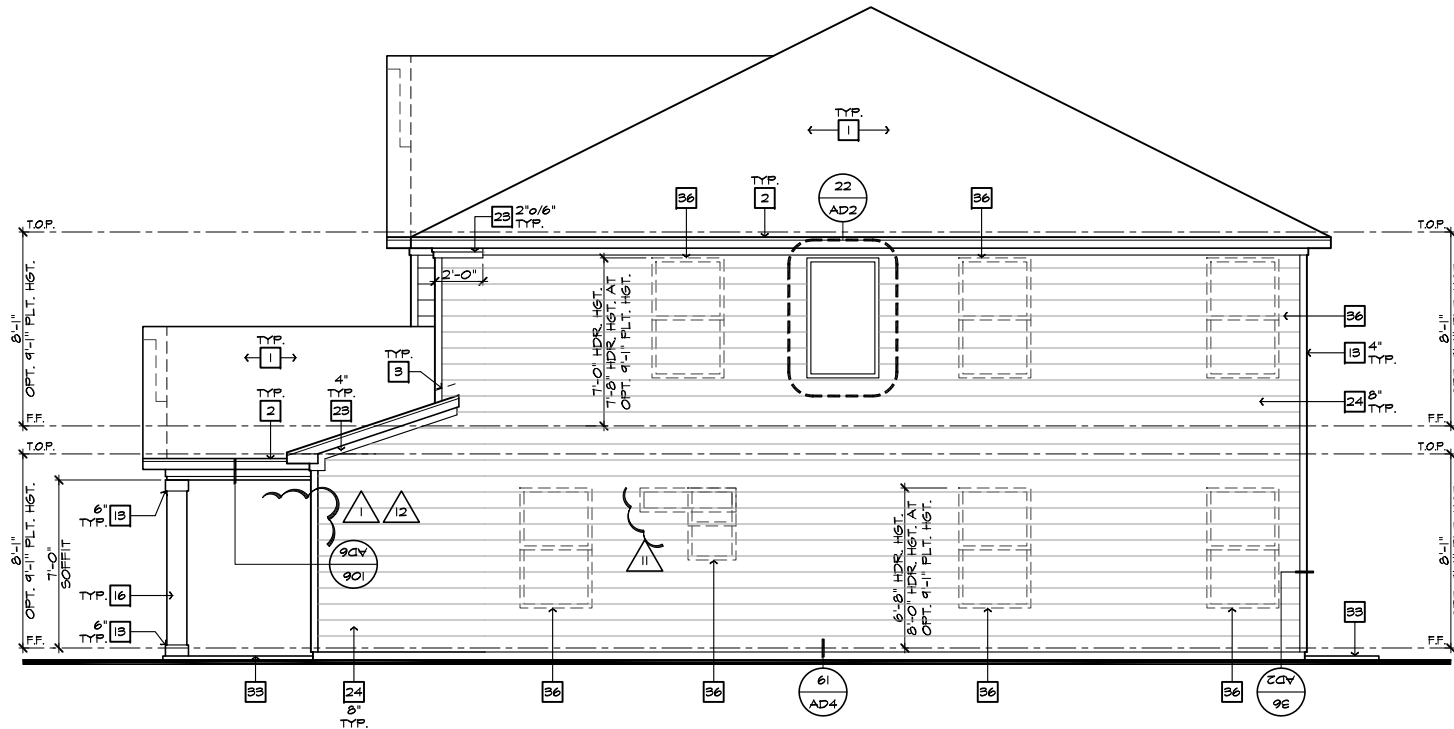
SPEC. LEVEL 1
RALEIGH-DURHAM 40' SERIES

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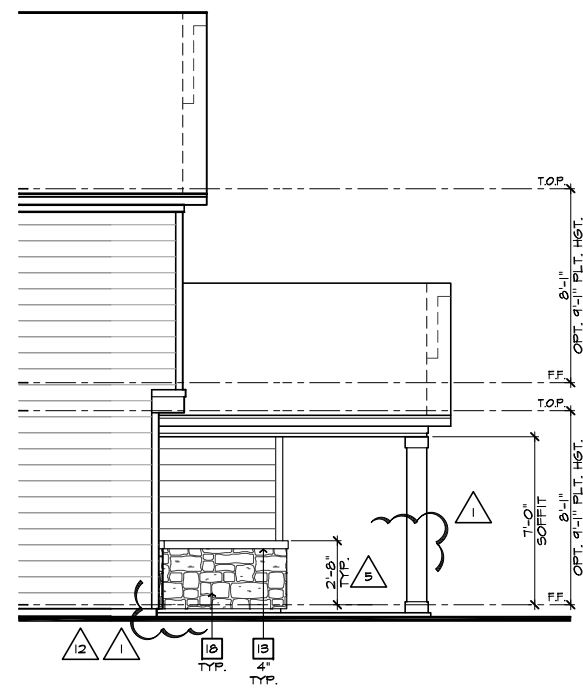
**PARTIAL RIGHT ELEVATION 'C'
W/ STONE OPTION**

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



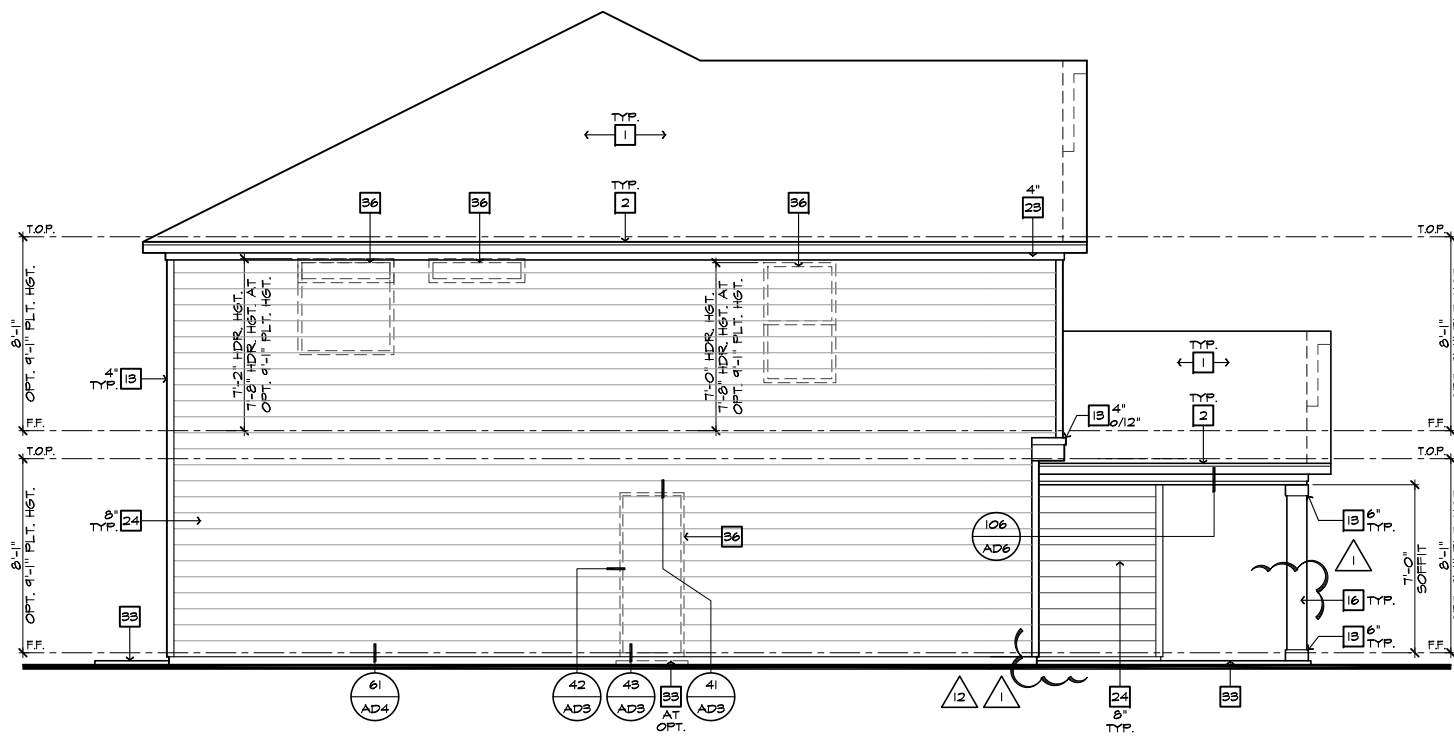
RIGHT ELEVATION 'C'

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



**PARTIAL LEFT ELEVATION 'C'
W/ STONE OPTION**

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



LEFT ELEVATION 'C'

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

- # ELEVATION NOTES**
- 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. RONLOCK 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

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

**2018 NORTH
CAROLINA STATE
BUILDING
CODES**

ISSUE DATE: 01/08/15
PROJECT No.: 1350999:56
DIVISION MGR.: DCS
REVISIONS: 08/20/20

- 11 DIVISION REVISION NC19654NCP - 08/28/19 - FAE
- 12 DIVISION REVISION NC19657NCP - 09/26/19 - FAE
- 13 DIVISION REVISION NC20003NCP - 12/19/19 - CL
- 14 VENTILATION NC20008NCP - 01/17/20 - CL
- 15 DIVISION REVISION NC20013NCP - 02/10/20 - MCP
- 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
- 17 HOME OFFICE CORP20009CORP-08/20/20-CTD

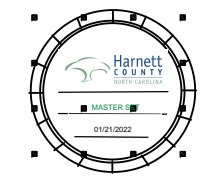
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PLAN:
238.2338
SHEET:
3.C3

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

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ISSUE DATE: 01/08/15
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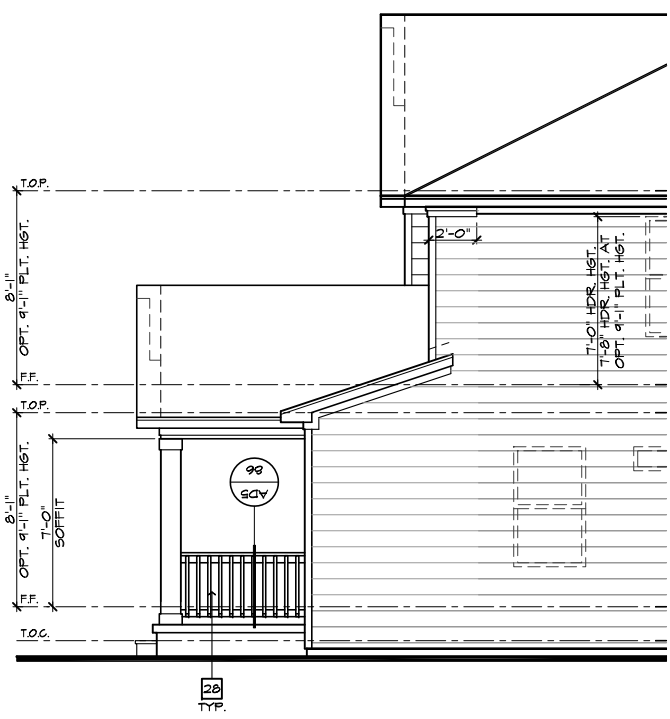
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PLAN:
238.2338
SHEET:
3.C4

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

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

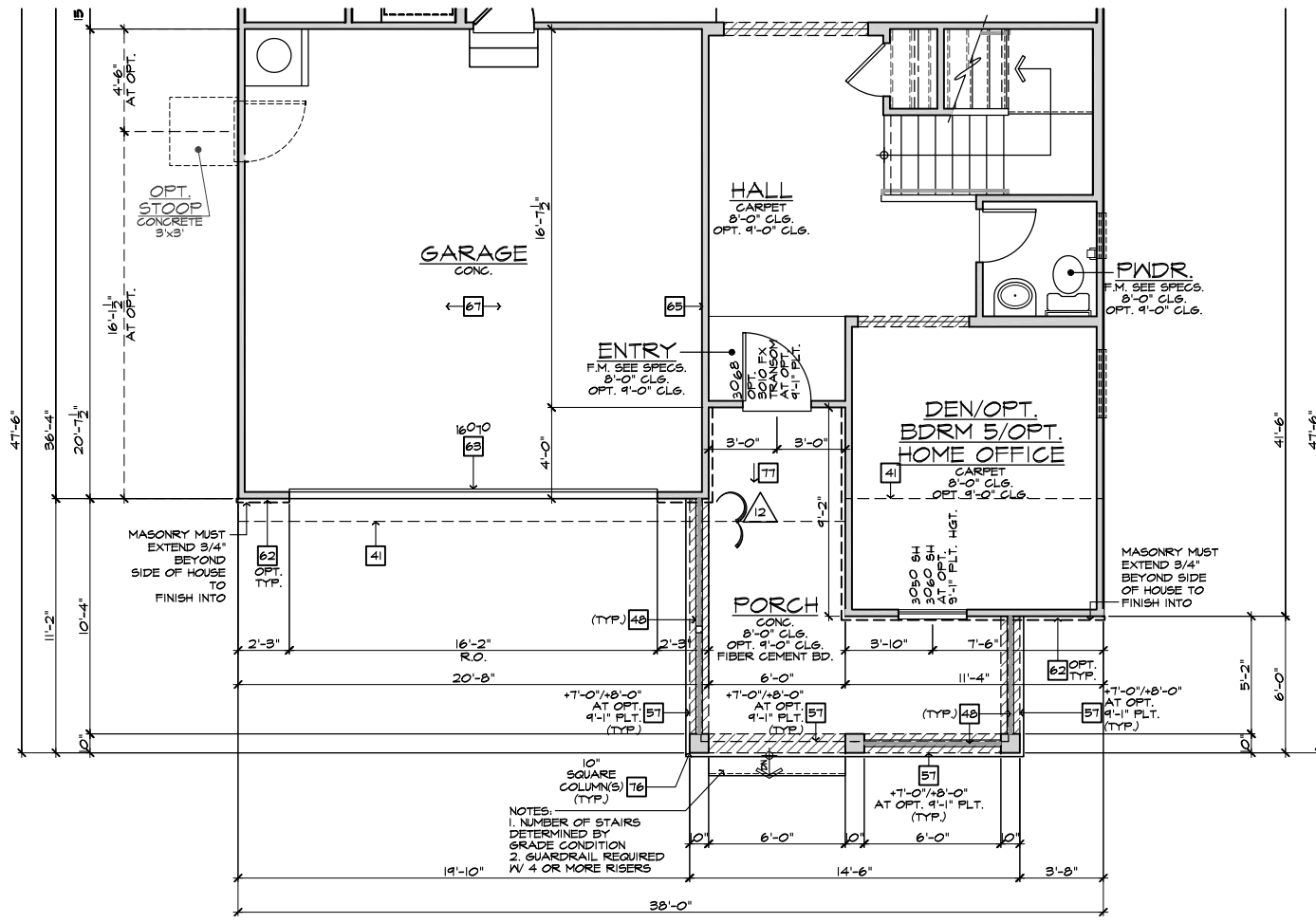
- # PARTIAL PLAN NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
- WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS)
 - WATER HEATER 3" VENT TO OUTSIDE AIR
 - MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE
 - LINE OF WALL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



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



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

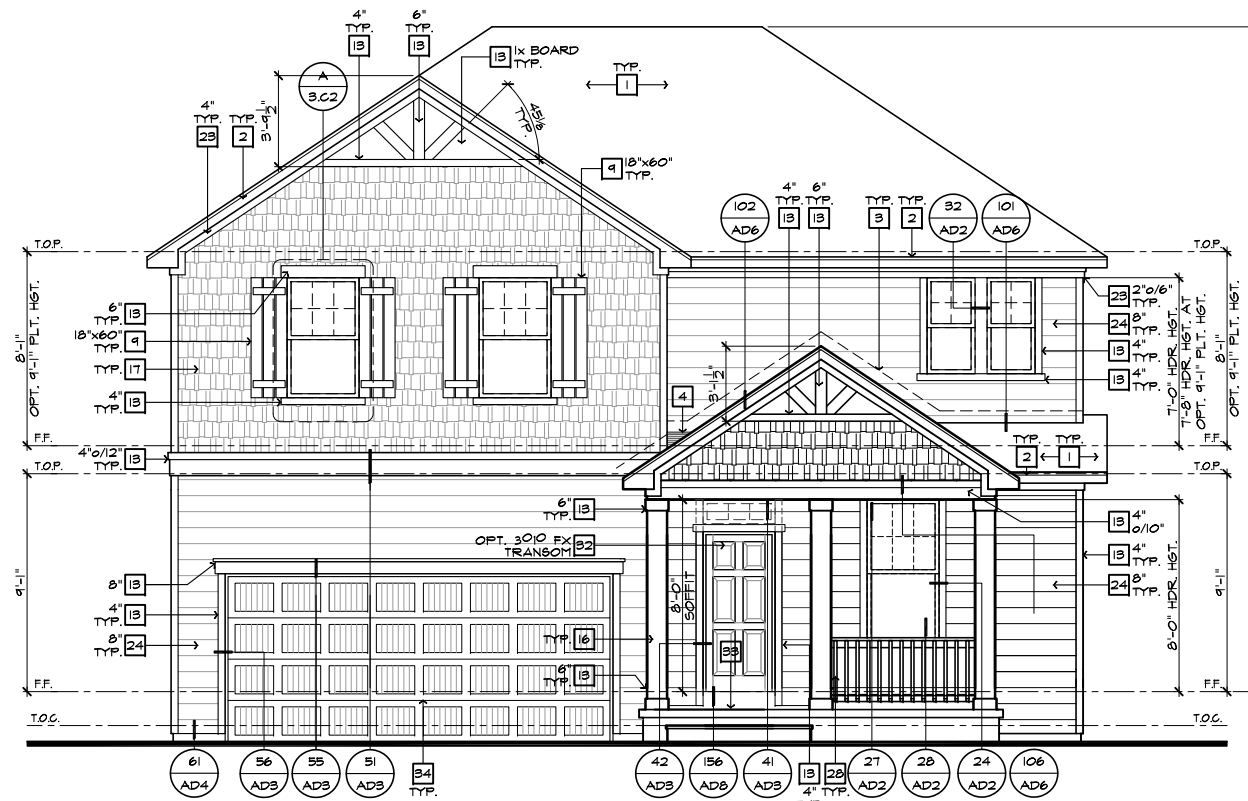


PARTIAL FIRST FLOOR PLAN 'C' AT CRAWL SPACE
SCALE 1/4"=1'-0" (22"x34") - 1/8"=1'-0" (11"x17")

NOTE: REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE

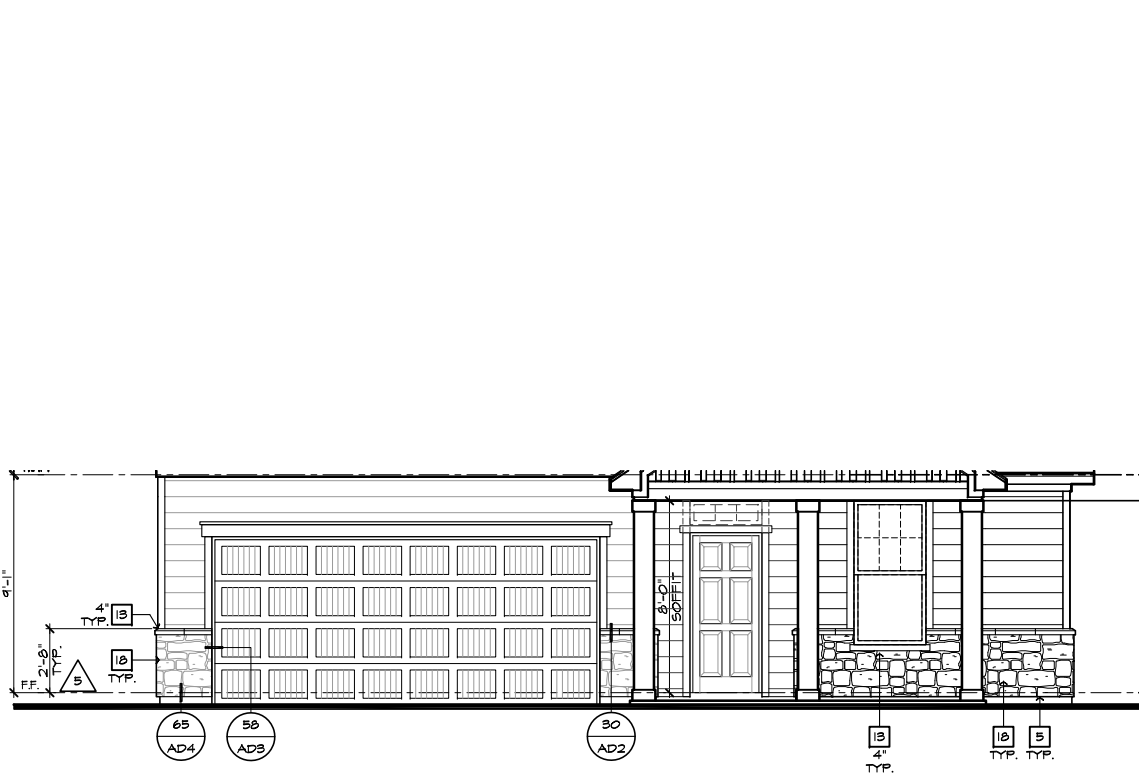
NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

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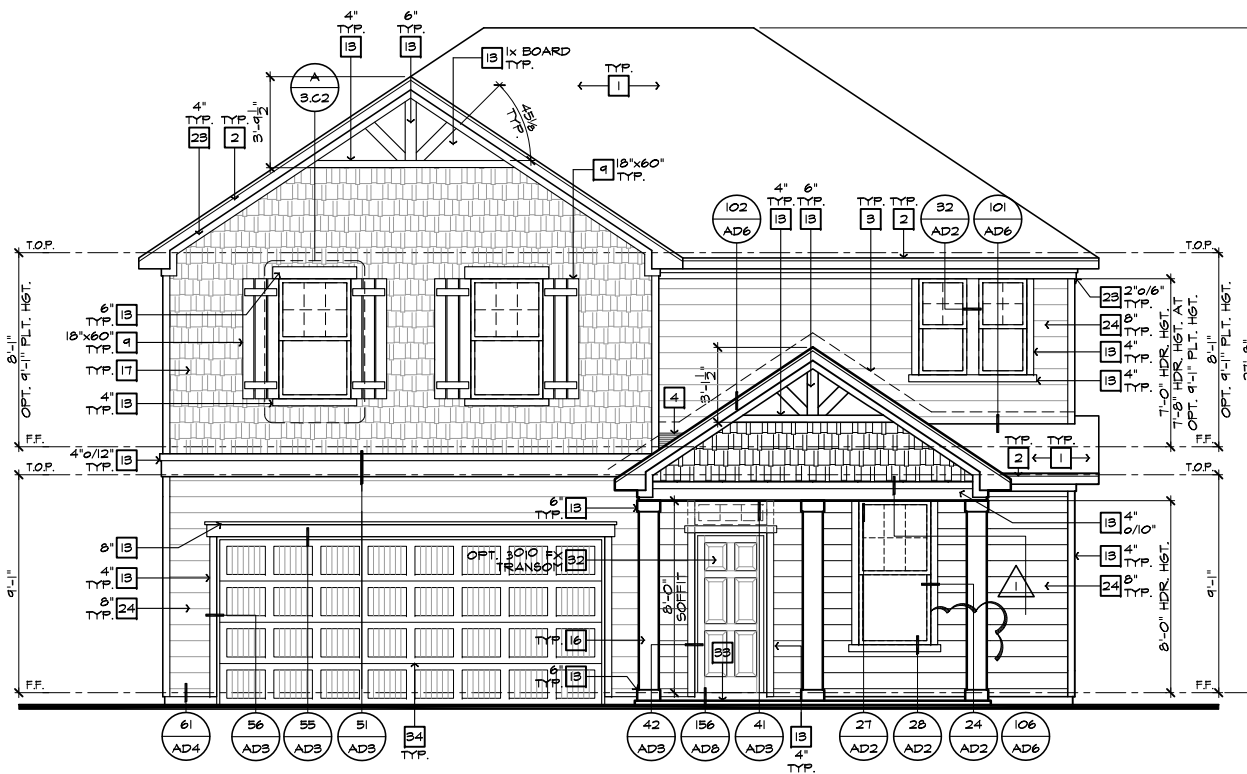
FRONT ELEVATION 'C' W/ CRAWL SPACE
AT OPTIONAL 9'-1" PLT. HGT.

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



PARTIAL FRONT ELEVATION 'C'
AT OPTIONAL 9'-1" PLT. HGT. W/ STONE OPT.

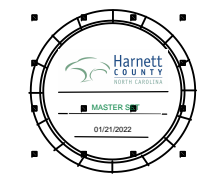
SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")



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

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

| # | 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/WINDING - 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 |
| 9'-1" PLATE OPTION | |
| NOTE: WINDOW SIZES WILL INCREASE BY 1" AT 9'-1" PLATE OPTIONS. HEADER HEIGHTS FOR ALL WINDOWS WILL BE 7'-8" AT 9'-1" PLATE OPTIONS. | |



**NORTH CAROLINA
40' SERIES**

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

**2018 NORTH
CAROLINA STATE
BUILDING
CODES**

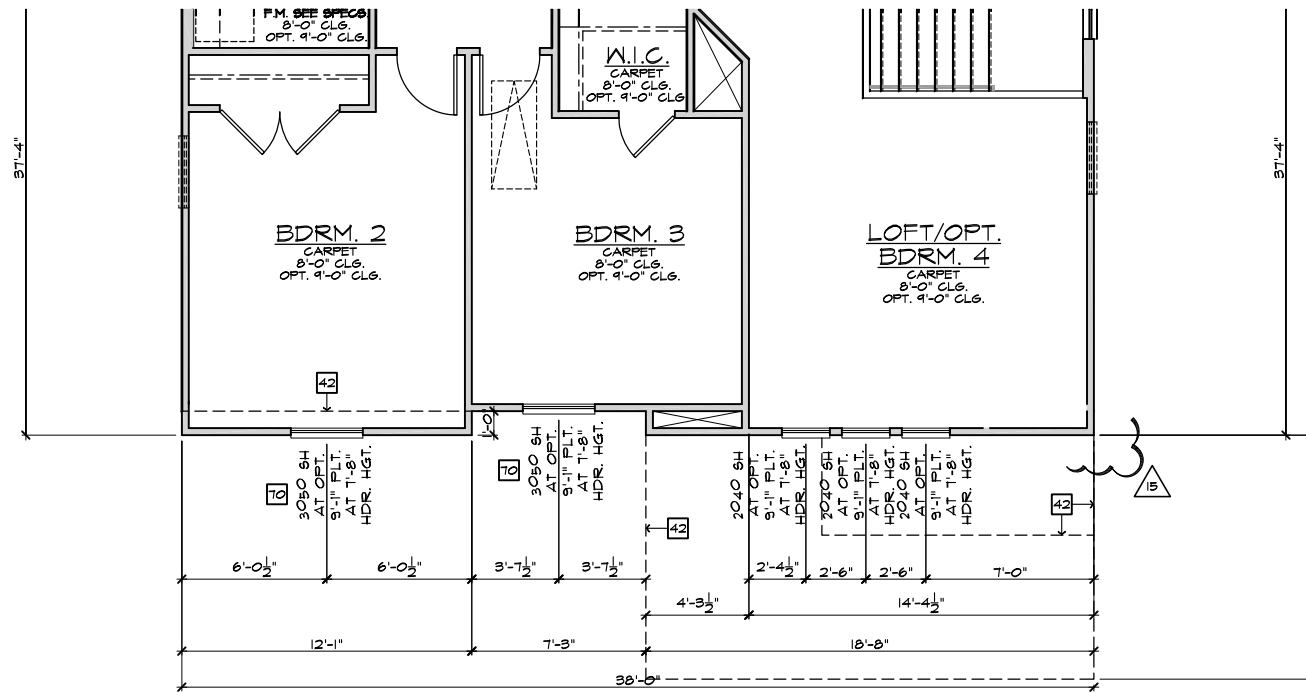
- ISSUE DATE: 01/08/15
- PROJECT No.: 1350999:56
- DIVISION MGR.: DCS
- REVISIONS: 08/20/20
- 11 DIVISION REVISION NC19654NCP - 08/28/19 - FAE
- 12 DIVISION REVISION NC19657NCP - 09/26/19 - FAE
- 13 DIVISION REVISION NC20003NCP - 12/19/19 - CL
- 14 VENTILATION NC20008NCP - 01/17/20 - CL
- 15 DIVISION REVISION NC20013NCP - 02/10/20 - MCP
- 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
- 17 HOME OFFICE CORP20009CORP-08/20/20-CTD

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| 6. | |

PLAN:
238.2338
SHEET:
3.C5

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

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PARTIAL SECOND FLOOR PLAN 'D'

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

BASIC PLAN

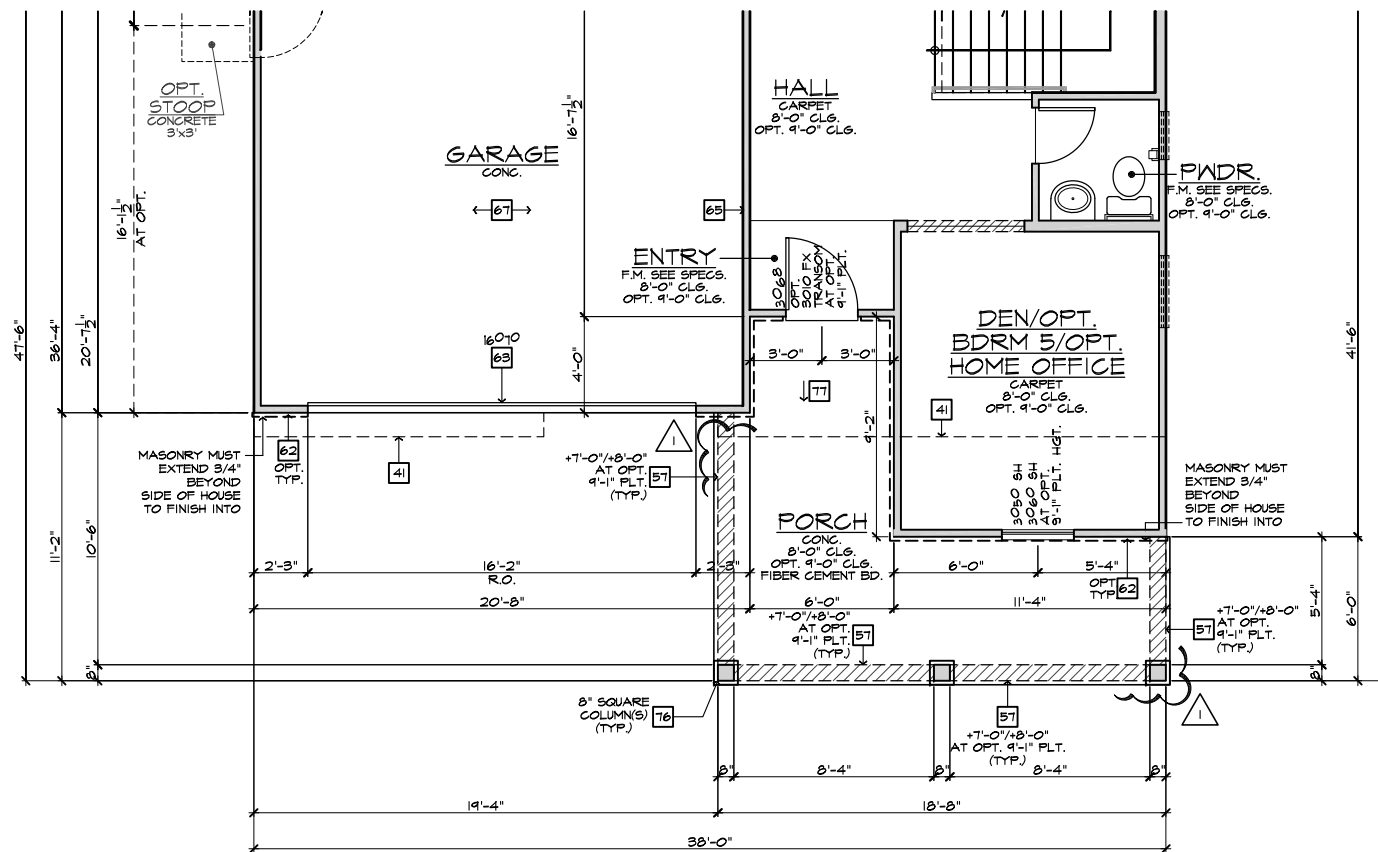
| # | PARTIAL PLAN NOTES |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NOTE: NOT ALL KEY NOTES APPLY. | |
| 27. | 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. | DEL. 2x4 WALL PER PLAN |
| 55. | INTERIOR SHELF - REFER TO PLAN FOR HEIGHT |
| 57. | FLAT SOFFIT |
| 58. | ARCHED SOFFIT |
| 60. | OPT. DOOR/WINDOW |
| 61. | PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) |
| 62. | PLYON OR EQ. SURROUNDING STRUCTURAL POST. |
| 63. | BRICK / STONE VENEER - REFER TO ELEVATIONS |
| 64. | 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 SLOPE |

NORTH CAROLINA 40' SERIES

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

2018 NORTH CAROLINA STATE BUILDING CODES

- ISSUE DATE: 01/08/15
- PROJECT No.: 1350999:56
- DIVISION MGR.: DCS
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- 11 DIVISION REVISION NC19654NCP - 08/28/19 - FAE
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- 15 DIVISION REVISION NC20013NCP - 02/10/20 - MCP
- 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
- 17 HOME OFFICE CORP210095CORP-08/20/20-CTD
- 18 ADD NOTE TO TF NC20037NCP - 10/06/20 - KBA
- 19 DIVISION REQ. REVISION NC21005NCP - 01/06/21 - KBA



PARTIAL FIRST FLOOR PLAN 'D'

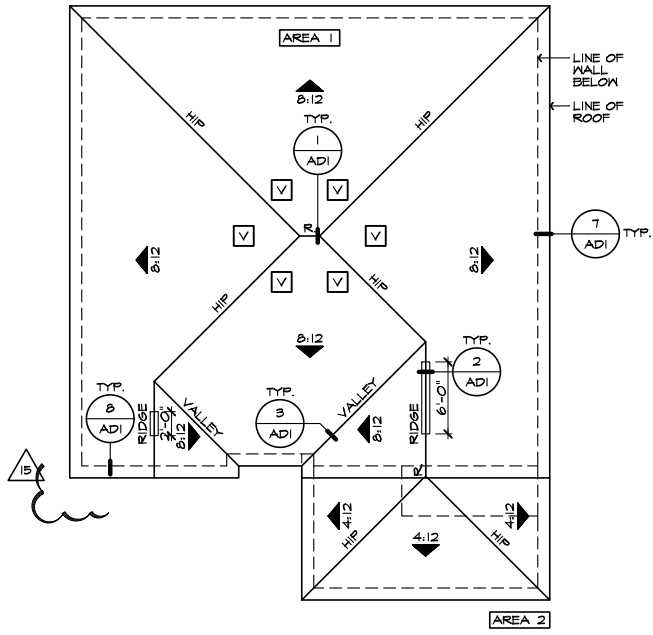
SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

BASIC PLAN

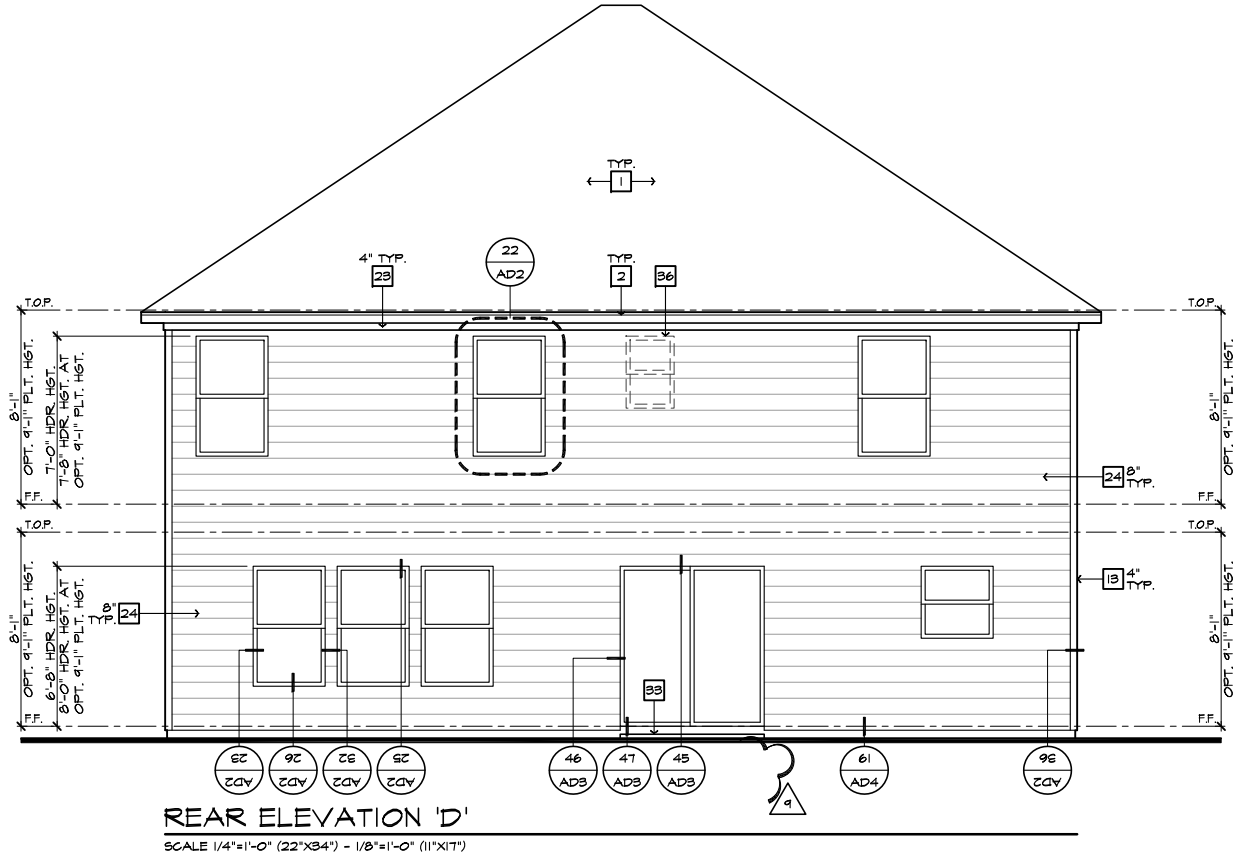
NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

PLAN: 238.2338
SHEET: 3.D1
SPEC. LEVEL 1
RALEIGH-DURHAM 40' SERIES

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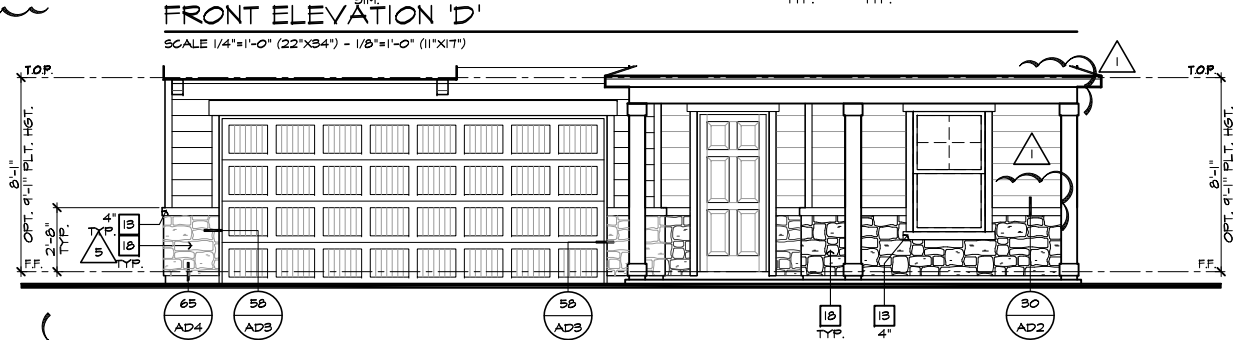
ROOF PLAN 'D'
SCALE 1/8"=1'-0" (22'x34') - 1/16"=1'-0" (11'x17')



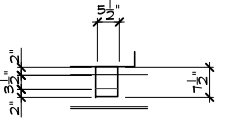
REAR ELEVATION 'D'
SCALE 1/4"=1'-0" (22'x34') - 1/8"=1'-0" (11'x17')



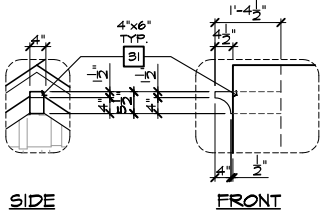
FRONT ELEVATION 'D'
SCALE 1/4"=1'-0" (22'x34') - 1/8"=1'-0" (11'x17')



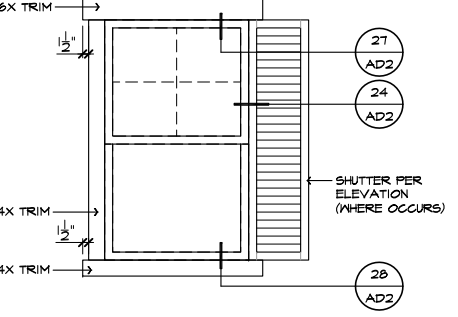
PARTIAL FRONT ELEVATION 'D' W/ STONE OPTION
SCALE 1/4"=1'-0" (22'x34') - 1/8"=1'-0" (11'x17')



DETAIL 'C'
SCALE: N.T.S.



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



DETAIL 'A'
SCALE: N.T.S.

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

ROOF PLAN NOTES 'D'

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

8:12

ROOF MATERIAL: COMPOSITION SHINGLE

12" (INCHES) TYPICAL ROOF OVERHANGS AT RAKE, U.N.O.

12" (INCHES) TYPICAL ROOF OVERHANGS AT EAVE, U.N.O.

LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.

ATTIC VENT CALCULATIONS

PROVIDE 1 SQ. IN. OF VENTILATION PER 300 SQ. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC, (HIGH VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS. (LOW VENTING) (2018 N.C.-R 806.2)

* CALCULATION BY 1/50. HIGH/LOW VENTING NOT REQUIRED.

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

| AREA / MAIN: | VENTILATION REQUIRED: | SQ. FT. / 300 | 4.70 SQ. FT. |
|------------------------------|---------------------------------------------|---------------|--------------|
| ATTIC AREA = 1411 | VENTILATION REQUIRED: | | |
| | 10 LF RIDGE VENTS AT 10 SQ. IN. / LF. = | 144 SQ. IN. | |
| | 6 ROOF VENTS AT 50 SQ. IN. EA. = | 300 SQ. IN. | |
| | TOTAL HIGH & LOW = | 671 SQ. IN. | |
| | x 50% = | 339 SQ. IN. | |
| VENTILATION PROVIDED: | | | |
| High | | | |
| 6 | LF RIDGE VENTS AT 10 SQ. IN. / LF. = | 144 SQ. IN. | |
| | 6 ROOF VENTS AT 50 SQ. IN. EA. = | 300 SQ. IN. | |
| | SUB-TOTAL HIGH VENTILATION: | 444 SQ. IN. | |
| Low | | | |
| 58 | LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = | 400 SQ. IN. | |
| 0 | ROOF VENTS AT 50 SQ. IN. EA. = | 0 SQ. IN. | |
| | SUB-TOTAL LOW VENTILATION: | 400 SQ. IN. | |
| | TOTAL VENTILATION PROVIDED: | 844 SQ. IN. | |
| AREA 2 / PORCH: | | | |
| ATTIC AREA = 190 | VENTILATION REQUIRED: | SQ. FT. / 150 | 1.27 SQ. FT. |
| | VENTILATION PROVIDED: | | |
| (27) | LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = | 186 SQ. IN. | |
| (0) | LF RIDGE VENTS AT 10 SQ. IN. EA. = | 0 SQ. IN. | |
| | TOTAL VENTILATION PROVIDED: | 186 SQ. IN. | |

NOTES:

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

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

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

PROVIDE APPROVED INSULATION DAMS (BAFFLES) WHERE VENT BLOCKS ARE USED BETWEEN ROOF FRAMING MEMBERS TO PREVENT VENT HOLES FROM BEING BLOCKED BY INSULATION. LOCATE HIGH VENTING MINIMUM 3'-0" VERTICAL DISTANCE ABOVE EAVES.

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



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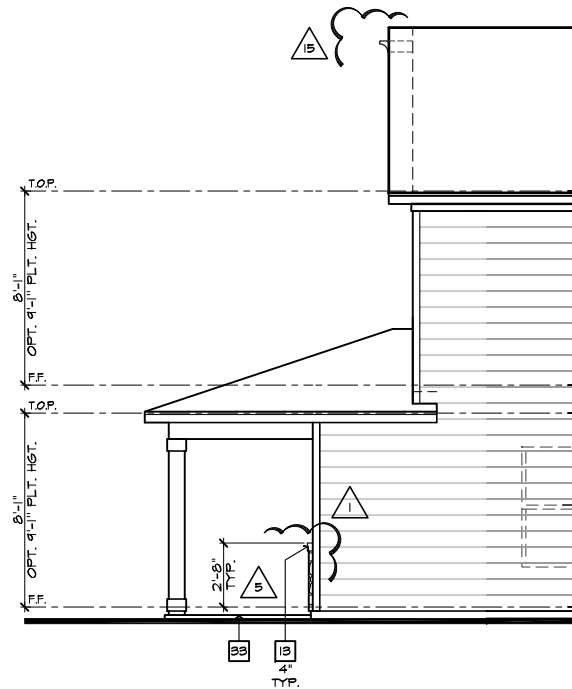
2018 NORTH CAROLINA STATE BUILDING CODES

- ISSUE DATE: 01/08/15
PROJECT No.: 1350999:56
DIVISION MGR.: DCS
REVISIONS: 08/20/20
- 11 DIVISION REVISION NC20054NCP - 08/28/20 - FAB
 - 12 DIVISION REVISION NC20057NCP - 09/16/20 - FAB
 - 13 DIVISION REVISION NC20003NCP - 12/19/20 - CL
 - 14 VENTILATION NC20008NCP - 01/17/20 - CL
 - 15 DIVISION REVISION NC20013NCP - 02/10/20 - MCP
 - 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
 - 17 HOME OFFICE CORP20005CORP-04/20/20-CTD
 - 18 ADD NOTE TO TIP NC20057NCP - 10/06/20 - KBA
 - 19 DIVISION REQ. REVISION NC21005NCP - 01/06/21 - KBA

PLAN: 238.2338
SHEET: 3.D2

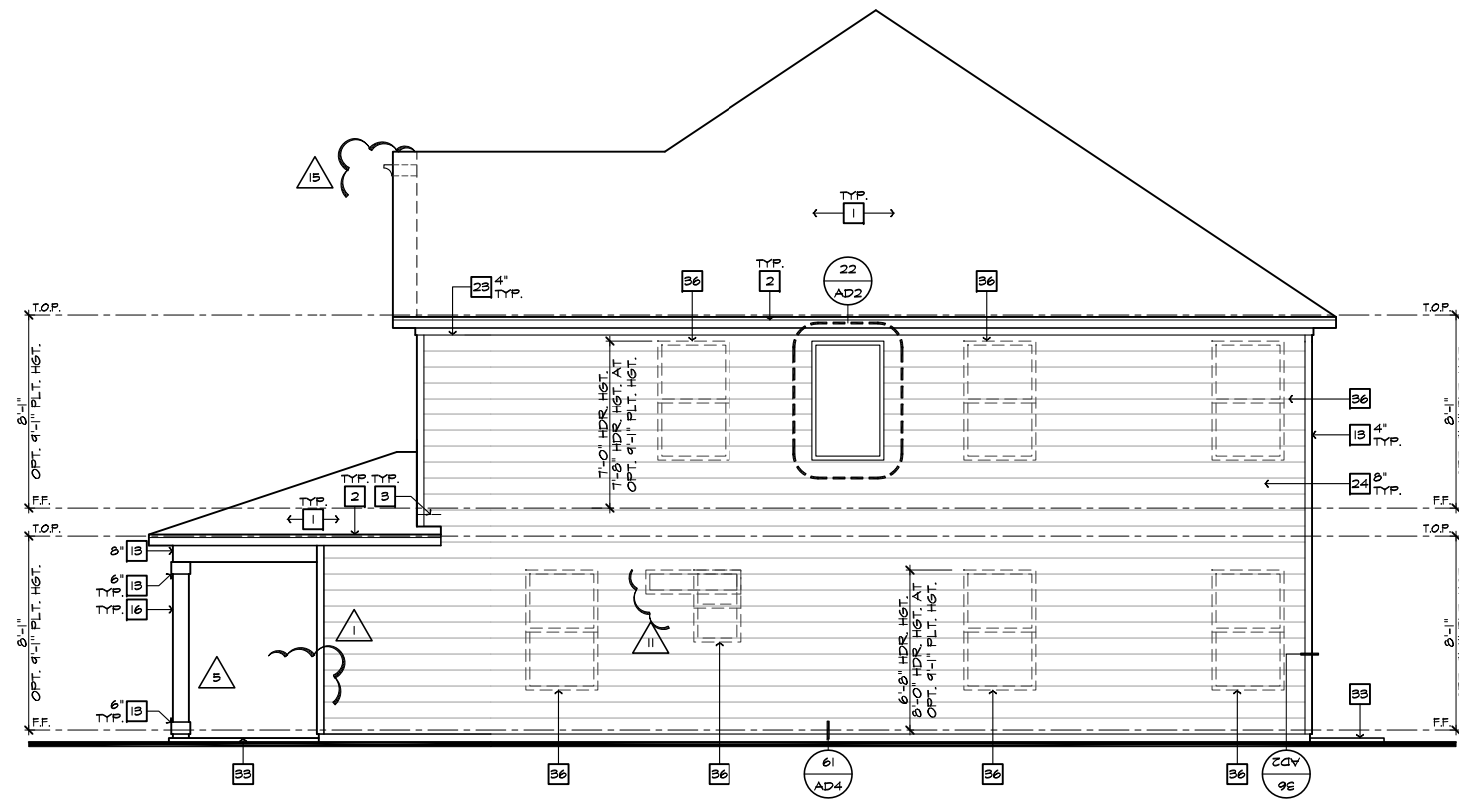
SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

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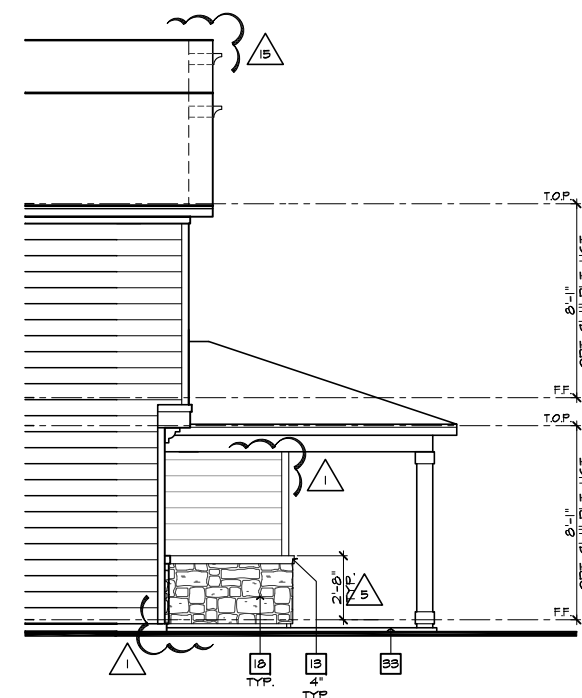
PARTIAL RIGHT ELEVATION 'D'
W/ STONE OPTION

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



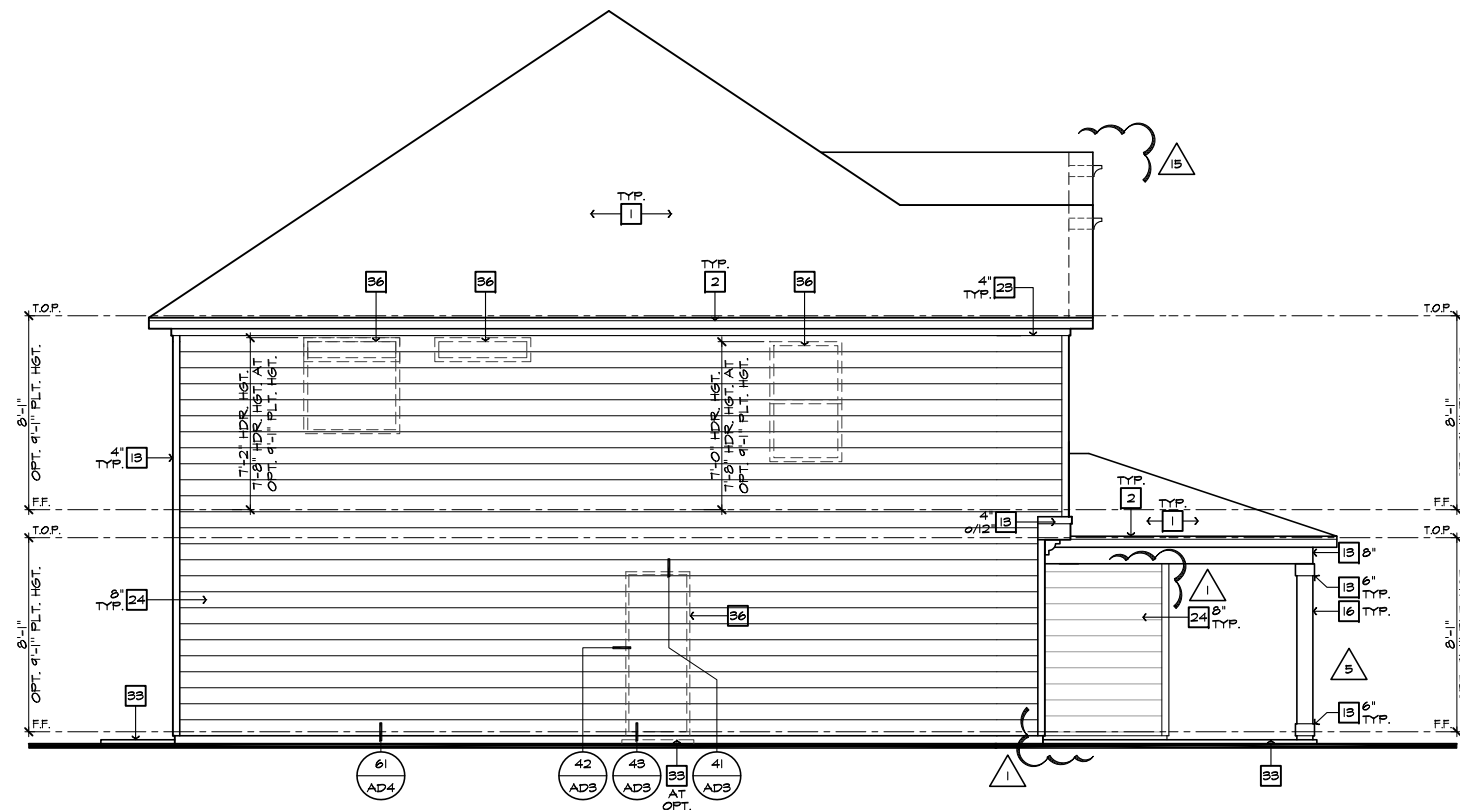
RIGHT ELEVATION 'D'

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



PARTIAL LEFT ELEVATION 'D'
W/ STONE OPTION

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



LEFT ELEVATION 'D'

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

| # | ELEVATION NOTES |
|--------------------------------|------------------------------------------------------------------------------------------------|
| NOTE: NOT ALL KEY NOTES APPLY. | |
| 1. | ROOF MATERIAL - REFER TO ROOF NOTES |
| 2. | 2X FASCIA/BARGE BOARD WITH FASCIA CAP |
| 3. | 6.1. FLASHING |
| 4. | 6.1. FLASHING & SADDLE/CRICKET |
| 5. | 6.1. DRIP SCREED |
| 6. | 24"x24" CHIMNEY |
| 7. | DECORATIVE VENT |
| 8. | DECORATIVE CORBEL |
| 9. | DECORATIVE SHUTTERS |
| 10. | PEDIMENT. SEE ELEVATION FOR TYPE |
| 11. | RECESSED ELEMENT |
| 12. | DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE |
| 13. | TRIM PER SPEC-- SEE ELEVATION FOR SIZE |
| 14. | EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH) |
| 15. | PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST. |
| 16. | SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE |
| 17. | FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS |
| 18. | STONE VENEER PER SPECS |
| 19. | BRICK/MASONRY VENEER PER SPECS |
| 20. | BUILT UP BRICK COLUMN |
| 21. | SOLDIER COURSE |
| 22. | ROWLOCK COURSE |
| 23. | FRIEZE BOARD |
| 24. | FIBER-CEMENT SIDING PER SPECS |
| 25. | P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE |
| 26. | PRE-FAB DECORATIVE TRIM |
| 27. | LIGHT WEIGHT PRECAST STONE TRIM |
| 28. | P.T. LUMBER RAILINGS (36" U.N.O.) |
| 29. | FIBER-CEMENT SMOOTH BOARD SEE SPECS |
| 30. | DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE. |
| 31. | BRACKET OR KICKER - FYPON OR EQ. |
| 32. | ENTRY DOOR |
| 33. | CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN. |
| 34. | SECTIONAL GARAGE DOOR PER SPECS |
| 35. | ALUMINUM WRAP |
| 36. | OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS |
| 37. | OPTIONAL STANDING SEAM METAL ROOF |
| 38. | KEYSTONE |
| 39. | SOLDIER CROWN |
| 40. | JACK SOLDIER COURSE |
| 41. | WATER TABLE |
| 42. | ATRIUM DOOR |
| 43. | PILASTER - SEE ELEVATION FOR TYPE |



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- 17 HOME OFFICE CORP20009CORP-08/20/20-CTD
- 18 ADD NOTE TO TF NC20037NCP - 10/06/20 - KBA
- 19 DIVISION REQ REVISION NC21005NCP - 01/06/21 - KBA

PLAN:
238.2338

SHEET:
3.D3

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

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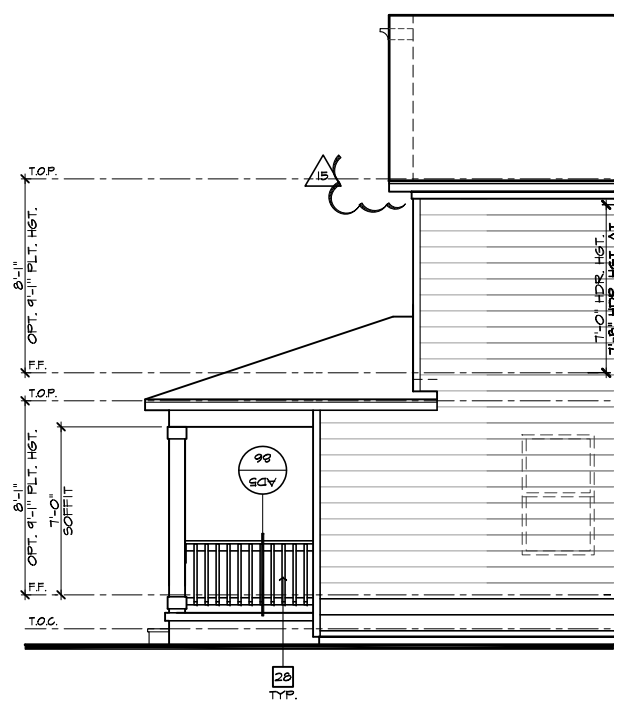
- 11 DIVISION REVISION NC19654NCP - 08/28/19 - FAB
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- 13 DIVISION REVISION NC20003NCP - 12/19/19 - CL
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- 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
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- 18 ADD NOTE TO TF NC20007NCP - 10/06/20 - KBA
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PLAN:
238.2338
SHEET:
3.D4

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

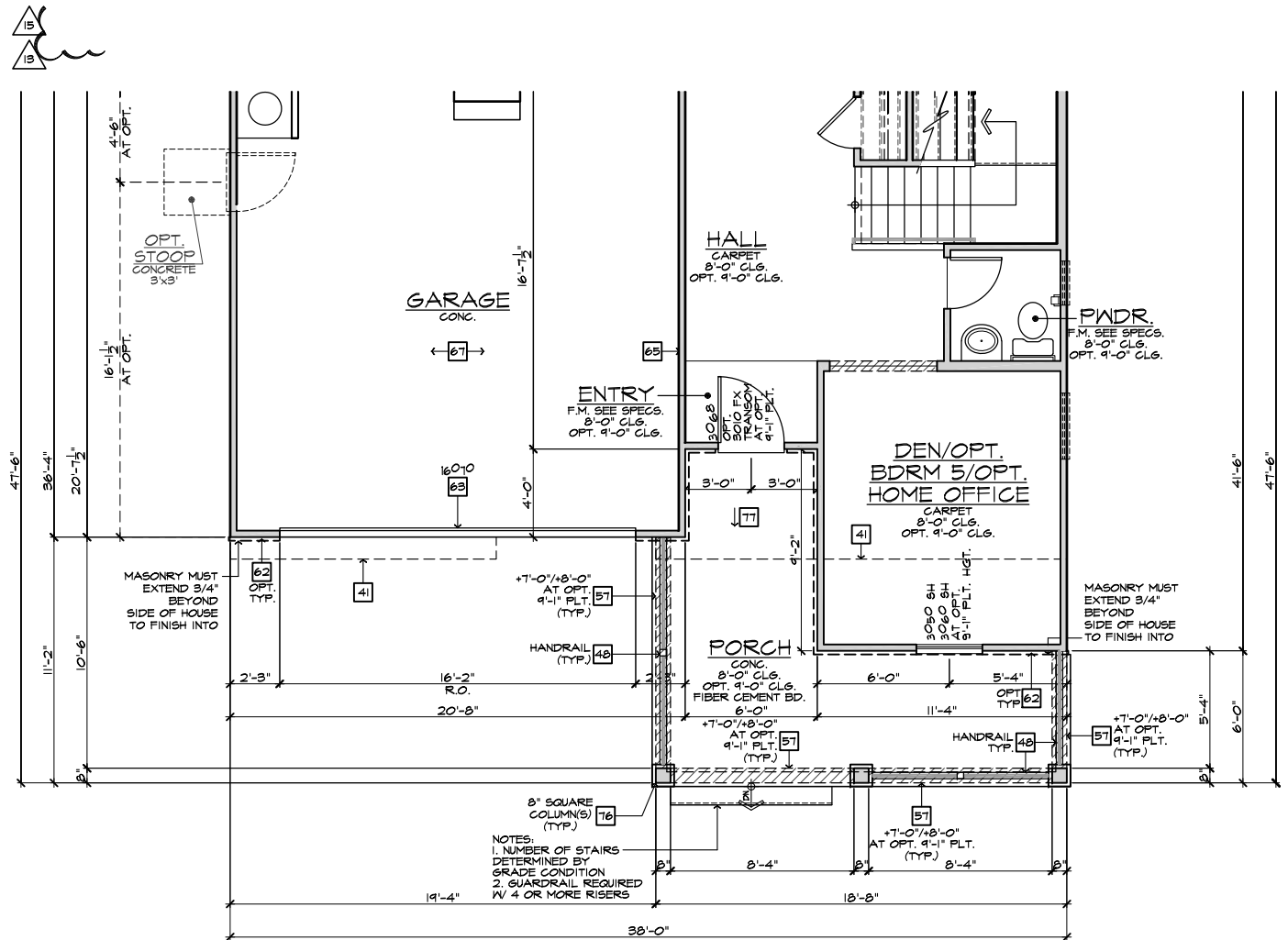
| # | PARTIAL PLAN NOTES |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NOTE: NOT ALL KEY NOTES APPLY. | |
| 27. | WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS) |
| 28. | WATER HEATER 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. | LINE 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS) |
| 50. | A/C PAD LOCATION |
| 51. | LOW WALL - REFER TO PLAN FOR HEIGHT |
| 52. | 2x6 STUD WALL |
| 54. | DEL. 2x4 WALL PER PLAN |
| 55. | INTERIOR SHELF - REFER TO PLAN FOR HEIGHT |
| 57. | FLAT SOFFIT |
| 58. | ARCHED SOFFIT |
| 60. | OPT. DOOR/WINDOW |
| 61. | PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST. |
| 62. | BRICK / STONE VENEER - REFER TO ELEVATIONS |
| 63. | SECTIONAL GARAGE DOOR PER SPECS |
| 66. | 3" DIAM. CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE. (NOT REQUIRED AT ELECTRIC WATER HEATERS OR FOR APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL TRAVEL PATH.) |
| 68. | P.T. POST W/ WRAP. |
| 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 SIZE. |



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



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

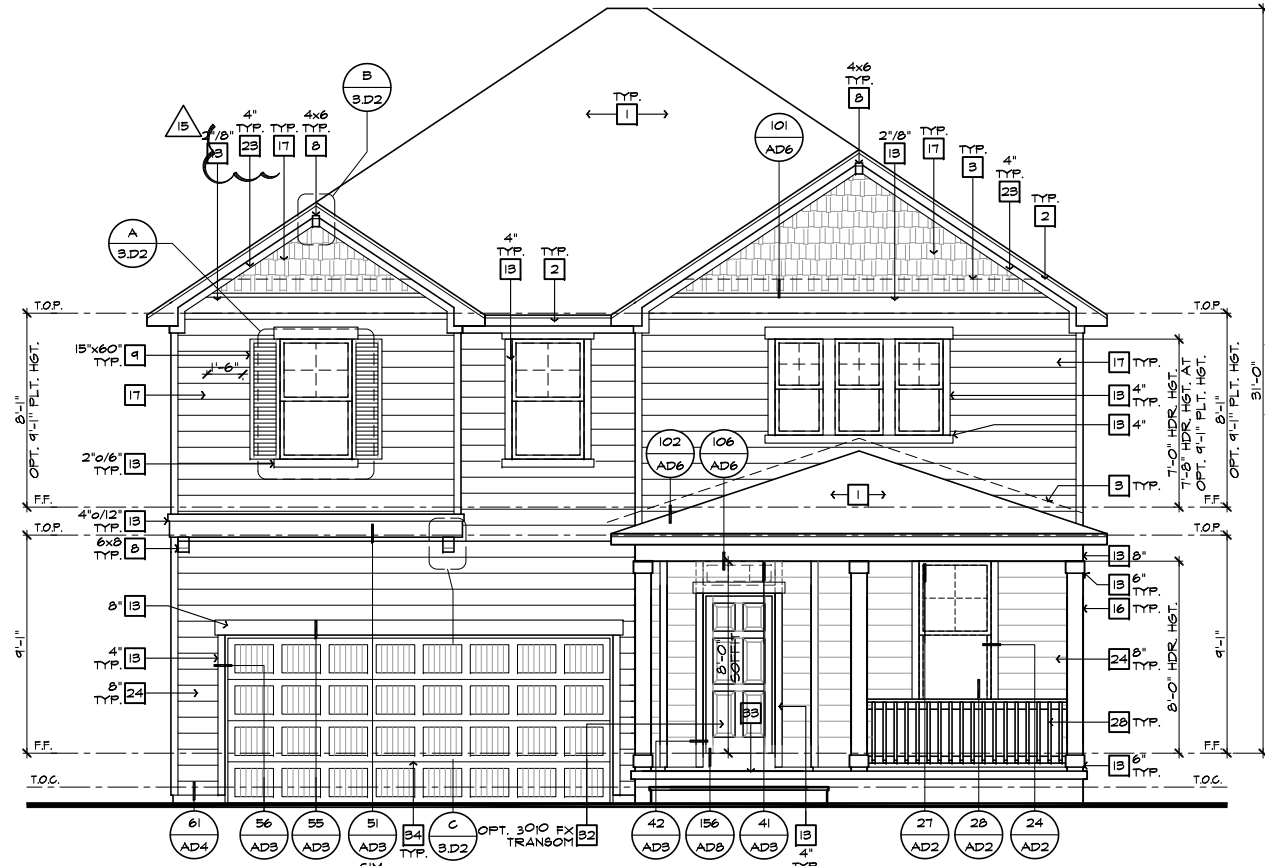


PARTIAL FIRST FLOOR PLAN 'D' AT CRAWL SPACE
SCALE 1/4"=1'-0" (22"x34") - 1/8"=1'-0" (11"x17")

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

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



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

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

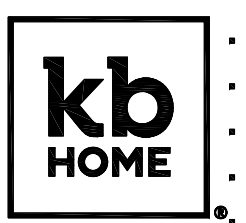


PARTIAL FRONT ELEVATION 'D'
AT OPTIONAL 9'-1" PLT. HGT. W/ STONE OPT.

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



| # | ELEVATION NOTES |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| NOTE: NOT ALL KEY NOTES APPLY. | |
| 1. | ROOF MATERIAL - REFER TO ROOF NOTES |
| 2. | 2X FASCIA/BARGE BOARD WITH FASCIA CAP |
| 3. | 6:1 FLASHING |
| 4. | 6:1 FLASHING & SADDLE/CRICKET |
| 5. | 6:1 DRIP SCREED |
| 6. | 24"x24" CHIMNEY |
| 7. | DECORATIVE VENT |
| 8. | DECORATIVE CORBEL |
| 9. | DECORATIVE SHUTTERS |
| 10. | PEDIMENT - SEE ELEVATION FOR TYPE |
| 11. | RECESSED ELEMENT |
| 12. | DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE |
| 13. | TRIM PER SPEC - SEE ELEVATION FOR SIZE |
| 14. | EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH) |
| 15. | PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST. |
| 16. | SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE |
| 17. | FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS |
| 18. | STONE VENEER PER SPECS |
| 19. | BRICK/MASONRY VENEER PER SPECS |
| 20. | BUILT UP BRICK COLUMN |
| 21. | SOLDIER COURSE |
| 22. | RONLOCK COURSE |
| 23. | FRIEZE BOARD |
| 24. | FIBER-CEMENT SIDING PER SPECS |
| 25. | P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE |
| 26. | PRE-FAB DECORATIVE TRIM |
| 27. | LIGHT WEIGHT PRECAST STONE TRIM |
| 28. | P.T. LUMBER RAILINGS (48" U.N.O.) |
| 29. | FIBER-CEMENT SMOOTH BOARD SEE SPECS |
| 30. | DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE. |
| 31. | BRACKET OR KICKER - FYPON OR EQ. |
| 32. | ENTRY DOOR |
| 33. | CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN. |
| 34. | SECTIONAL GARAGE DOOR PER SPECS |
| 35. | ALUMINUM WRAP |
| 36. | OPTIONAL DOOR/WINDOW - REFER TO PLAN OPTIONS |
| 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 |
| 9'-1" PLATE OPTION | |
| NOTE: WINDOW SIZES WILL INCREASE BY 1" AT 9'-1" PLATE OPTIONS. HEADER HEIGHTS FOR ALL WINDOWS WILL BE 7'-8" AT 9'-1" PLATE OPTIONS. | |



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- 17 HOME OFFICE CORP22003CORP-08/20/20-CTD
- 18 ADD NOTE TO TF NC20037NCP - 10/06/20 - KBA
- 19 DIVISION RBQ REVISION NC21065NCP - 01/06/21 - KBA

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238.2338

SHEET:
3.D5

SPEC. LEVEL 1

**RALEIGH-DURHAM
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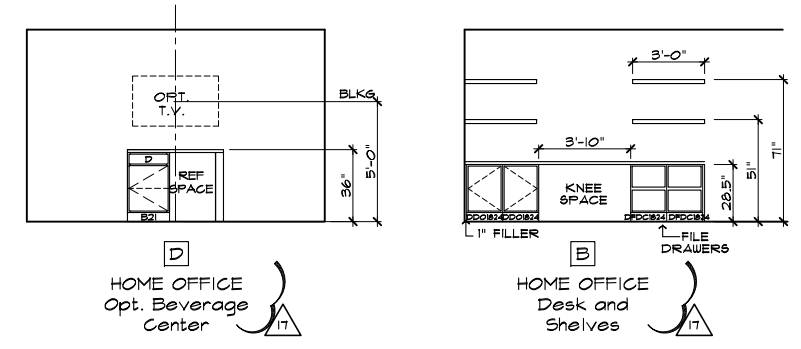
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- 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
- 17 HOME OFFICE CORP20009CORP-08/20/20-CTD

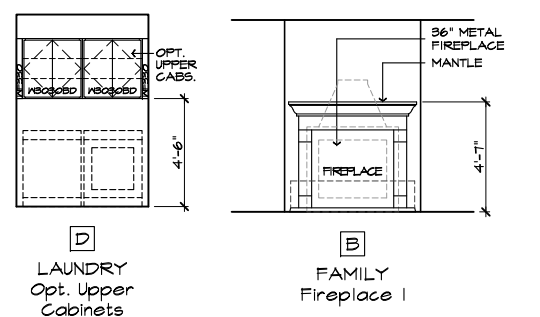
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PLAN: 238.2338
SHEET: 4.1

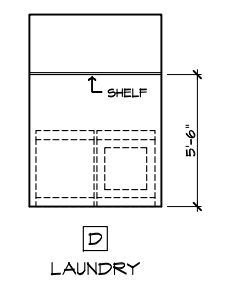
SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES



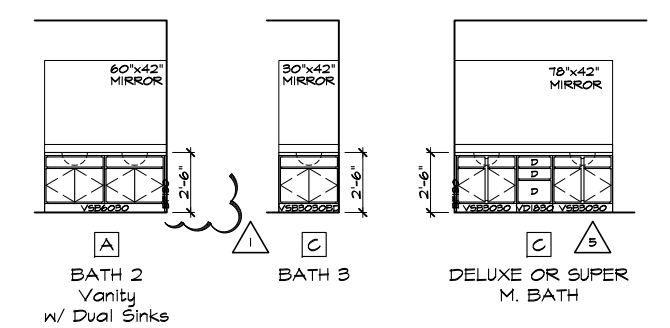
MISC. ELEVATIONS



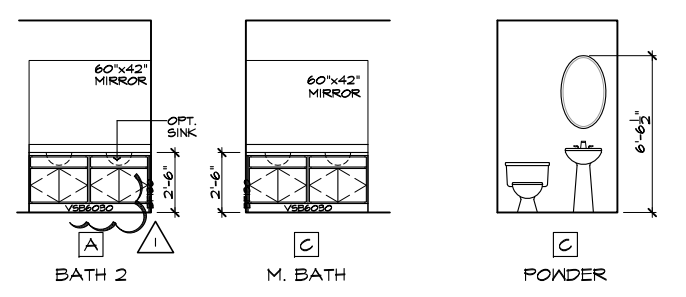
INTERIOR ELEVATIONS



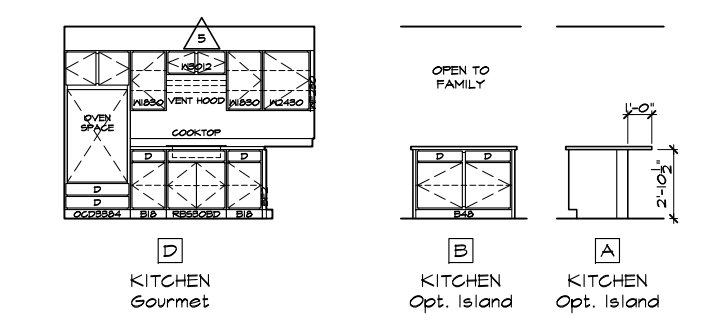
INTERIOR ELEVATIONS



BATH ELEVATIONS



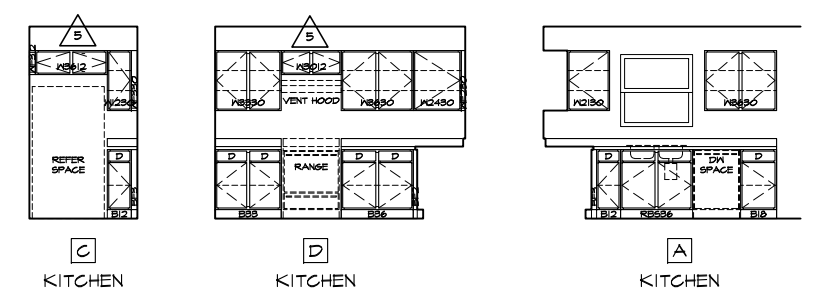
BATH ELEVATIONS



KITCHEN ELEVATIONS

OPTIONAL INTERIOR ELEVATIONS

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

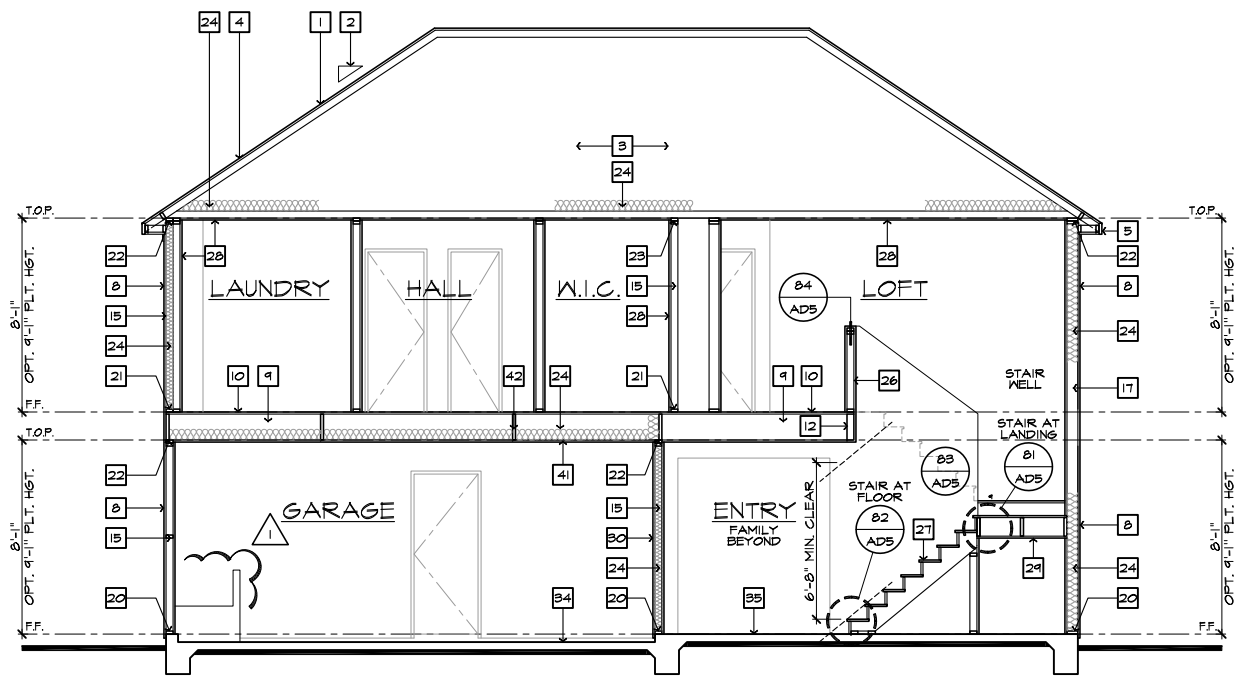


KITCHEN ELEVATIONS

INTERIOR ELEVATIONS

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

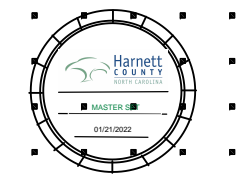
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SECTION "A"
SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

AT SLAB-ON-GRADE

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

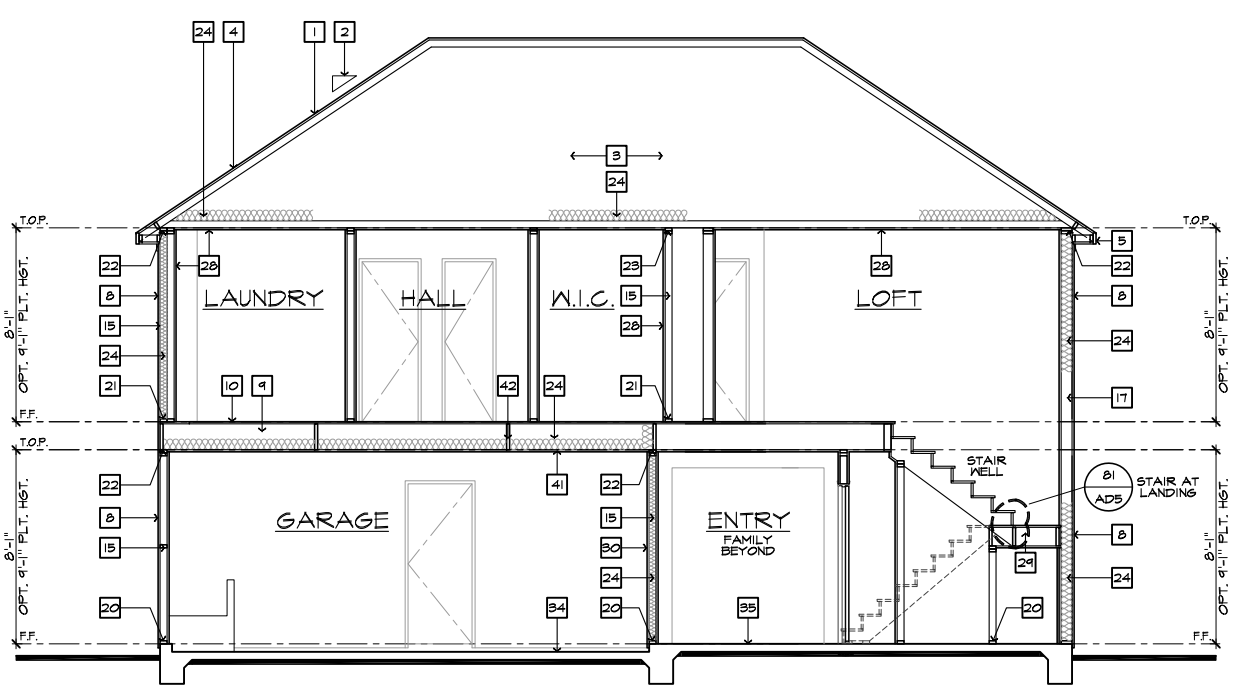


**NORTH CAROLINA
40' SERIES**

KB HOME
NORTH CAROLINA DIVISION

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

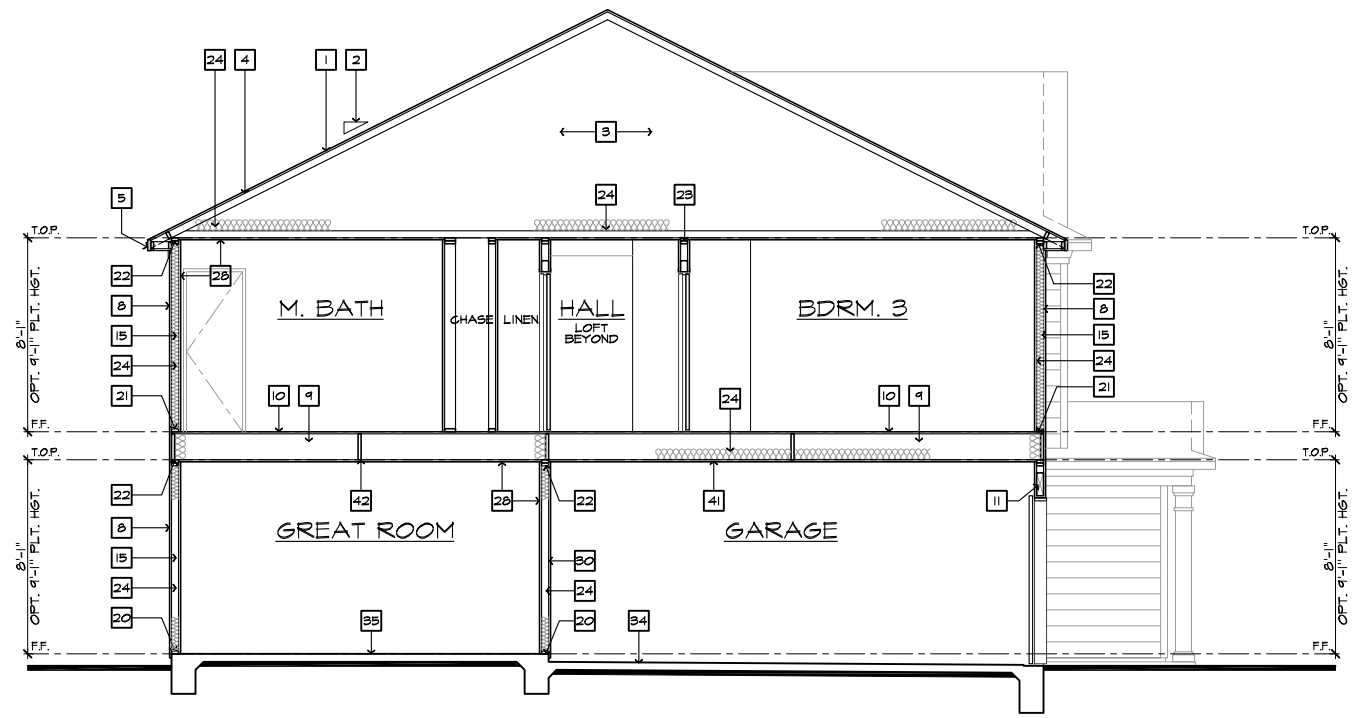
**2018 NORTH
CAROLINA STATE
BUILDING
CODES**



SECTION "C"

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

AT SLAB-ON-GRADE



SECTION "B"

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

AT SLAB-ON-GRADE

- ISSUE DATE: 01/08/15
PROJECT No.: 1350999:56
DIVISION MGR.: DCS
REVISIONS: 08/20/20
- 11 DIVISION REVISION NC19654NCP - 08/28/19 - FAB
 - 12 DIVISION REVISION NC19657NCP - 09/26/19 - FAB
 - 13 DIVISION REVISION NC20003NCP - 12/19/19 - CL
 - 14 VENTILATION NC20008NCP - 01/17/20 - CL
 - 15 DIVISION REVISION NC20013NCP - 02/10/20 - MCP
 - 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
 - 17 HOME OFFICE CORP20019CORP-08/20/20-CITD

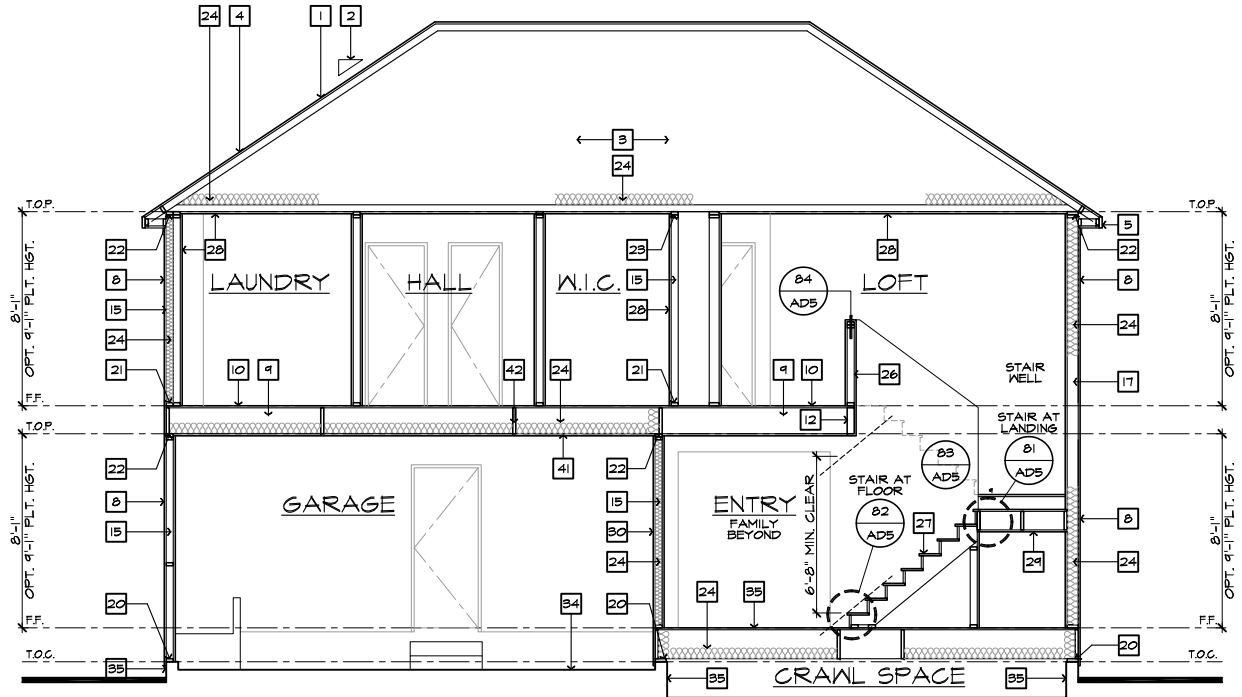
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PLAN:
238.2338
SHEET:
4.2

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

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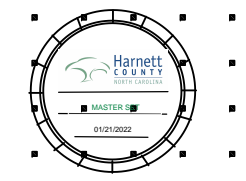
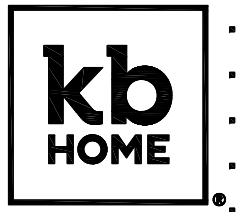


SECTION "A"

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

AT CRAWL SPACE

- SECTION NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
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 3. PRE-MANUFACTURED WOOD ROOF TRUSS SYSTEM - SEE STRUCTURAL & TRUSS CALCS
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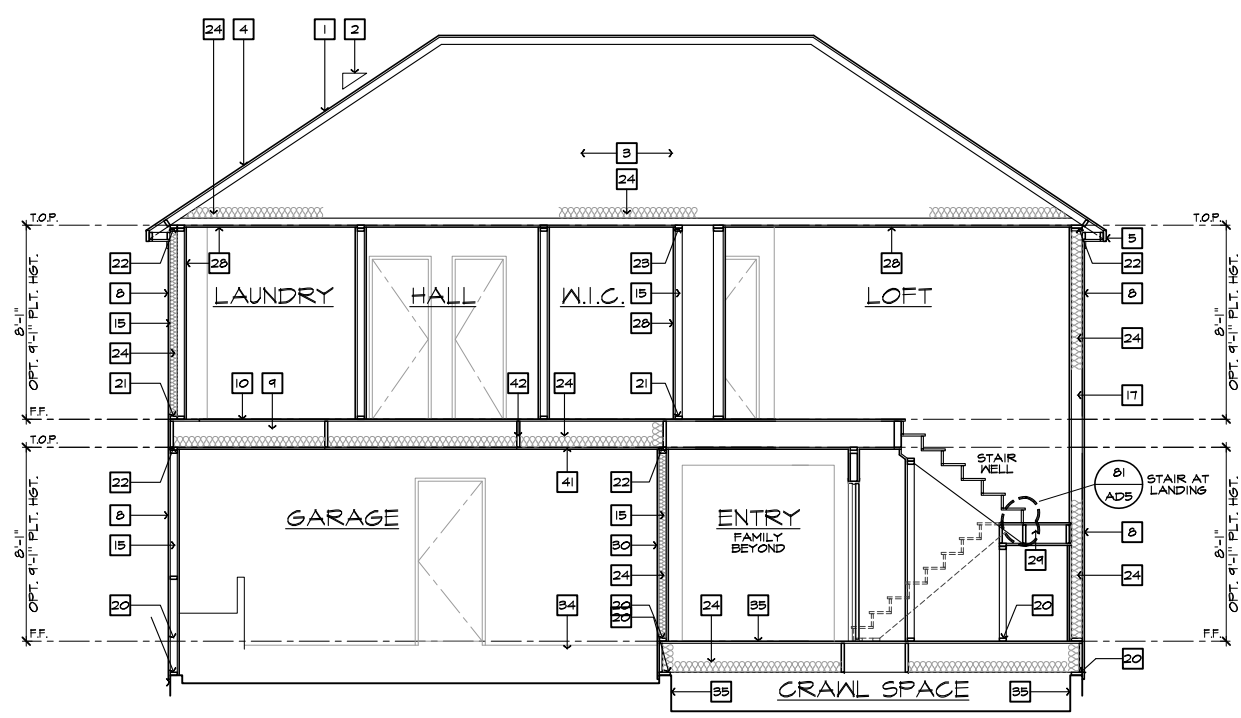


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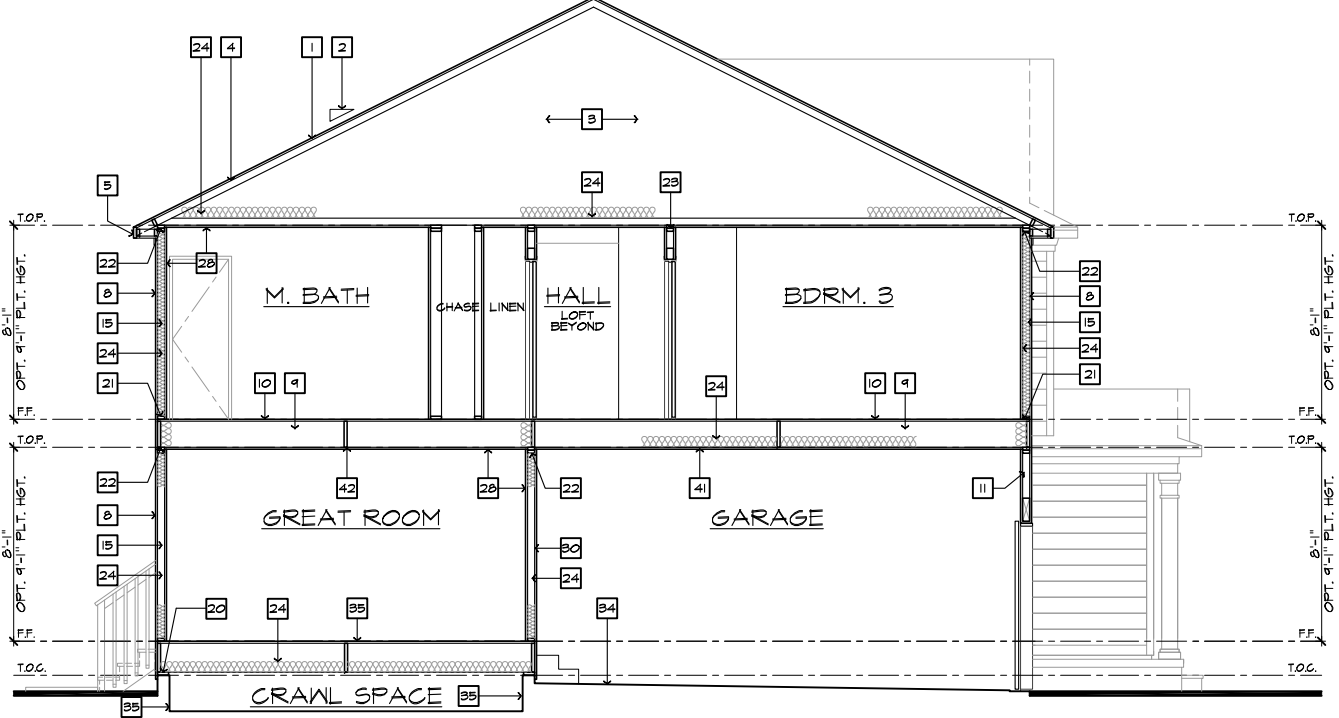
2018 NORTH CAROLINA STATE BUILDING CODES



SECTION "C"

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

- ISSUE DATE: 01/08/15
PROJECT No.: 1350999:56
DIVISION MGR.: DCS
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- 11 DIVISION REVISION NC19654NCP - 08/28/19 - FAE
 - 12 DIVISION REVISION NC19657NCP - 09/26/19 - FAE
 - 13 DIVISION REVISION NC20003NCP - 12/19/19 - CL
 - 14 VENTILATION NC20008NCP - 01/17/20 - CL
 - 15 DIVISION REVISION NC20013NCP - 02/10/20 - MCP
 - 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
 - 17 HOME OFFICE CORP20009CORP-08/20/20-CTD

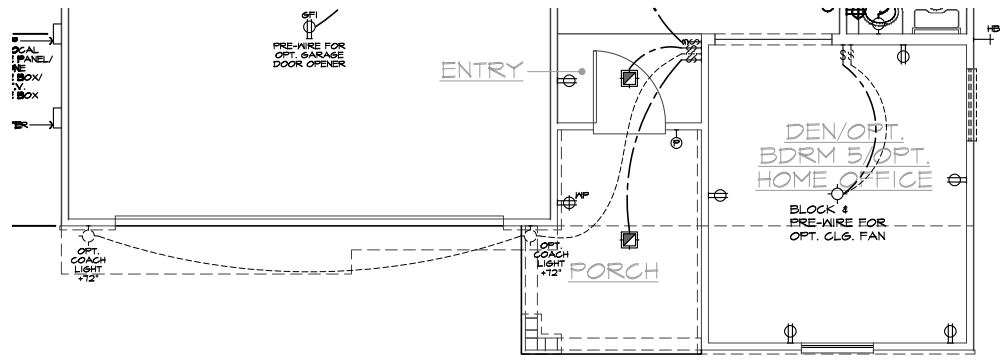
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PLAN:
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SHEET:
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**SPEC. LEVEL 1
RALEIGH-DURHAM 40' SERIES**

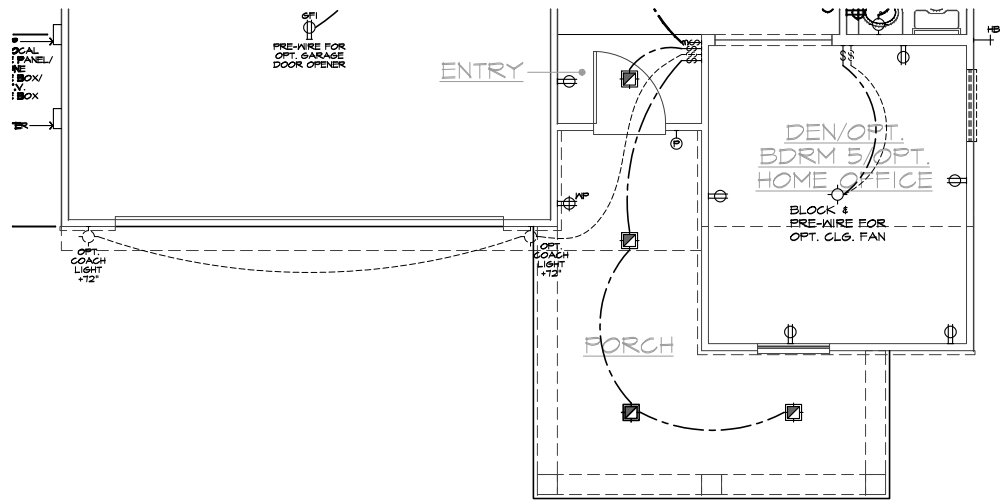
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PARTIAL FIRST FLOOR UTILITY PLAN "B"

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

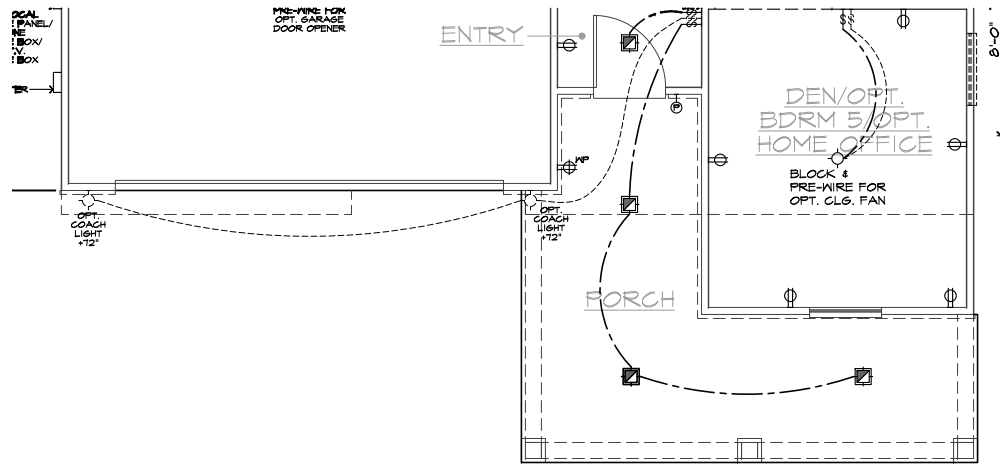
BASIC PLAN



PARTIAL FIRST FLOOR UTILITY PLAN "C"

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

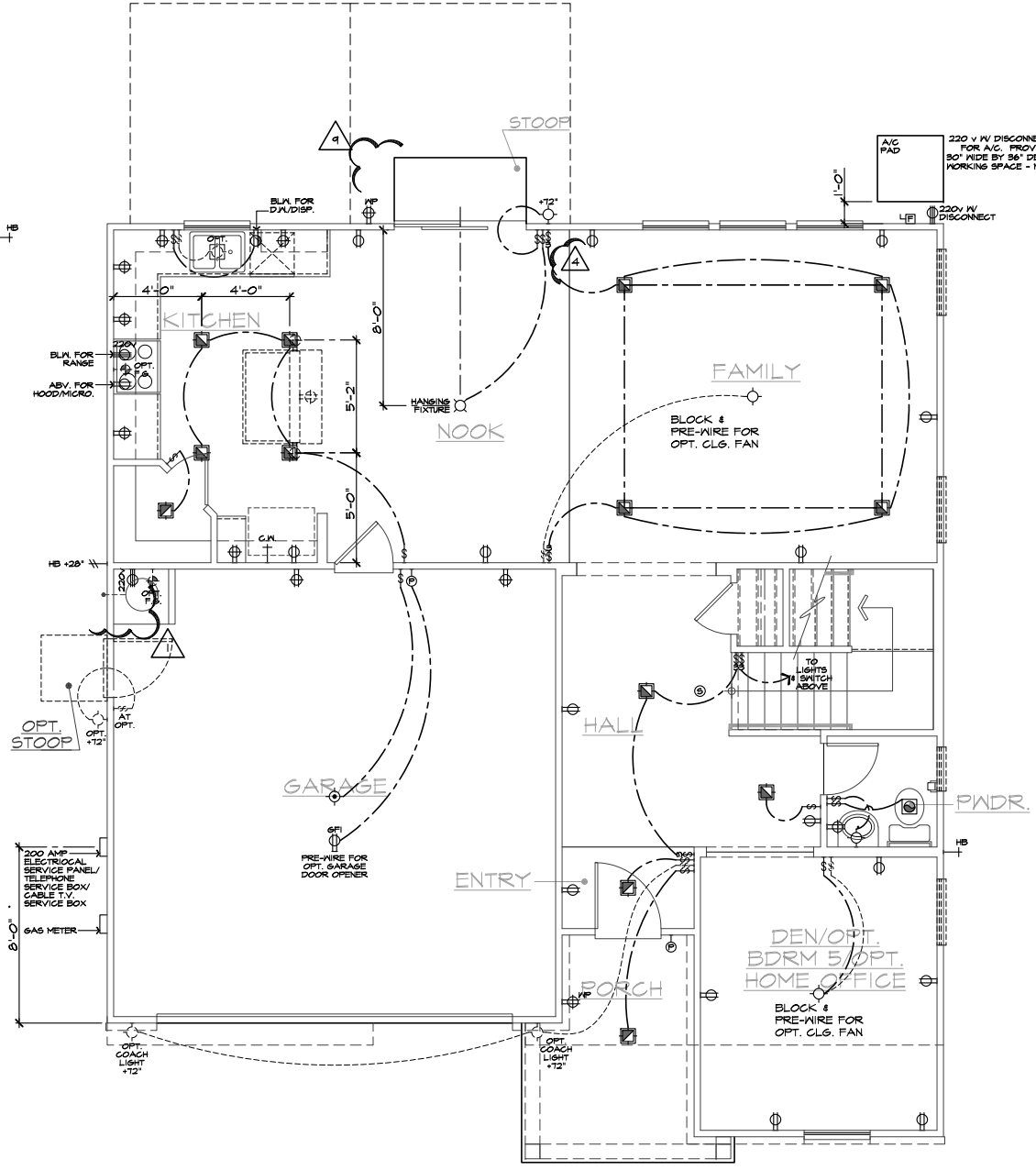
BASIC PLAN



PARTIAL FIRST FLOOR UTILITY PLAN "D"

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

BASIC PLAN



FIRST FLOOR UTILITY PLAN

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

BASIC PLAN

| UTILITY LEGEND | |
|----------------|-----------------------------------------------------------------------------------------------------------------------|
| | 120V DUPLEX CONVENIENCE RECEPTACLE ARC FAULT (AFCI) AND TAMPER RESISTANT (TR) 12" ABV. FIN. FLR. TYPICAL U.N.O. |
| | 120V (TR) RECEPTACLE W/ GFI CIRCUIT W/ WATER RESISTANT HOUSING |
| | 120V (TR) RECEPTACLE W/ GFI CIRCUIT |
| | FUSED DISCONNECT |
| | 120V (AFCI & TR) RECESSED FLOOR RECEPTACLE W/ COVER |
| | 120V (AFCI & TR) DUPLEX CONVENIENCE RECEPTACLE SWITCH CONTROLLED, 1/2 HOT |
| | 220V SINGLE CONVENIENCE RECEPTACLE HEIGHT NOTED AS PER PLAN |
| | TWO-POLE LIGHT SWITCH AT 42" ABV. FIN. FLR. 8" ABOVE COUNTER U.N.O. |
| | THREE-POLE LIGHT SWITCH |
| | FOUR-POLE LIGHT SWITCH |
| | WALL MOUNTED LIGHT FIXTURE W/ WATER RESISTANT HOUSING |
| | WALL MOUNTED INCANDESCENT LIGHT FIXTURE |
| | WALL MOUNTED FLUORESCENT LIGHT FIXTURE |
| | CEILING MOUNTED INCANDESCENT LIGHT FIXTURE |
| | CEILING MOUNTED FLUORESCENT LIGHT FIXTURE |
| | HANGING INCANDESCENT LIGHT FIXTURE |
| | RECESSED INCANDESCENT DIRECTIONAL LIGHT FIXTURE (EYE BALL) |
| | RECESSED INCANDESCENT LIGHT FIXTURE |
| | RECESSED INCANDESCENT LIGHT FIXTURE - TRAVERSE II LED FIXTURE - PER SPECS |
| | RECESSED FLUORESCENT 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 |
| | 1/2 HOT 1/2 FAN SECONDARY MASTER GARAGE |

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



NORTH CAROLINA 40' SERIES

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NORTH CAROLINA DIVISION
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FAX: (919) 472-0582

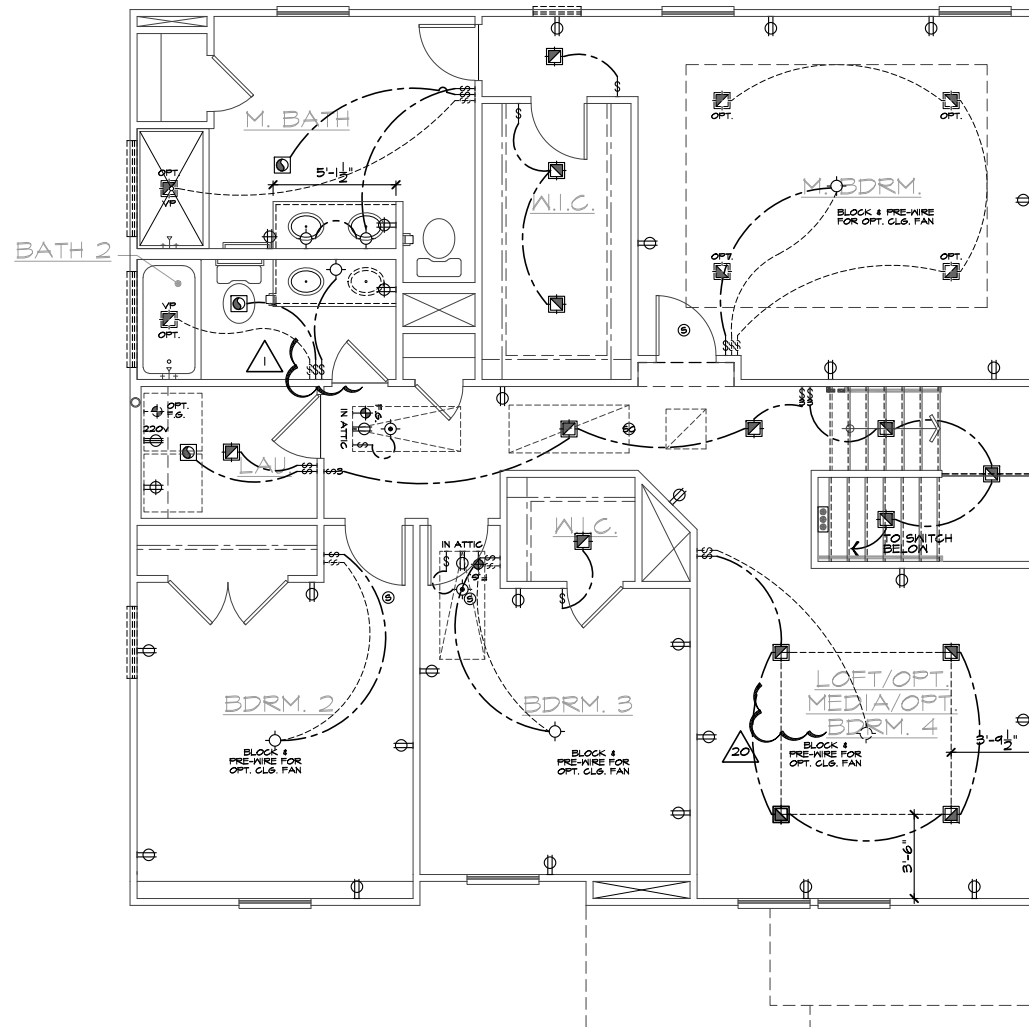
2018 NORTH CAROLINA STATE BUILDING CODES

- ISSUE DATE: 01/08/15
PROJECT No.: 1350999:56
DIVISION MGR.: DCS
REVISIONS: 08/20/20
- 11 DIVISION REVISION NC19054NCP - 08/22/19 - FAE
 - 12 DIVISION REVISION NC19057NCP - 09/26/19 - FAE
 - 13 DIVISION REVISION NC20003NCP - 12/19/20 - CL
 - 14 VENTILATION NC20008NCP - 01/17/20 - CL
 - 15 DIVISION REVISION NC20013NCP - 02/10/20 - MCP
 - 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
 - 17 HOME OFFICE CORP20003CORP-08/20/20-CTD
 - 18 ADD NOTE TO TS NC20037NCP - 10/06/20 - KBA
 - 19 DIVISION REQ REVISION NC21005NCP - 01/06/21 - KBA

PLAN: 238.2338
SHEET: 5.1

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

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UTILITY LEGEND

| | |
|--|-----------------------------------------------------------------------------------------------------------------------------|
| | 120V DUPLEX CONVENIENCE RECEPTACLE ARC FAULT(CI) 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 |
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| | WALL MOUNTED INCANDESCENT LIGHT FIXTURE |
| | WALL MOUNTED FLUORESCENT LIGHT FIXTURE |
| | CEILING MOUNTED INCANDESCENT LIGHT FIXTURE |
| | CEILING MOUNTED FLUORESCENT LIGHT FIXTURE |
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| | 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 |
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| | CATV RECEPTACLE |
| | PUSH BUTTON |
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| | HOSE BIB W/ S.O.V. |
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| | APPROVED CEILING MOUNTED SMOKE DETECTOR TO BE HARD WIRED WITH BATTERY BACK-UP AND INTERCONNECTED |
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| | GAS TAP |
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| | SWITCHING FOR ROOMS W/ CLG. FAN OPTIONS |
| | 24" MIN. SEPARATION OF ELECTRICAL BOXES AS SHOWN BELOW |
| | DWELLING GARAGE |

NOTES

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- 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.

SECOND FLOOR UTILITY PLAN

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

BASIC PLAN



**NORTH CAROLINA
40' SERIES**

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

**2018 NORTH
CAROLINA STATE
BUILDING
CODES**

ISSUE DATE: 01/08/15
PROJECT No.: 1350999:56
DIVISION MGR.: DCS
REVISIONS: 08/20/20

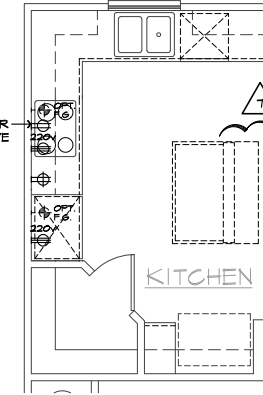
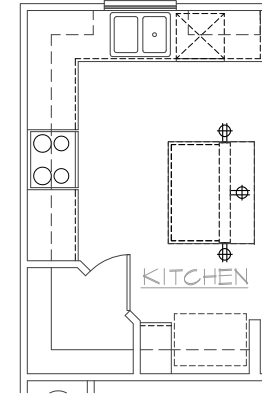
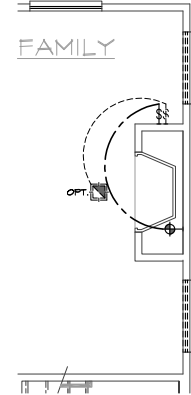
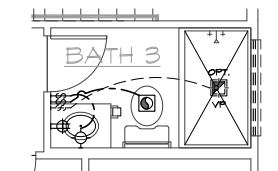
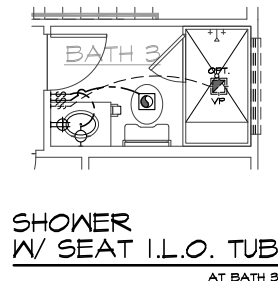
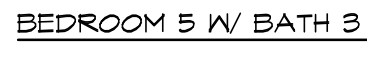
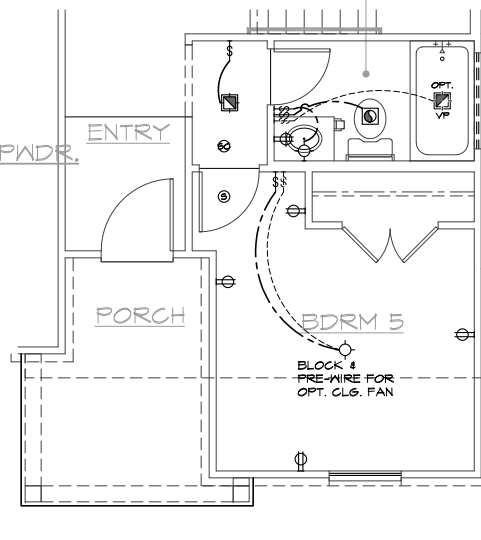
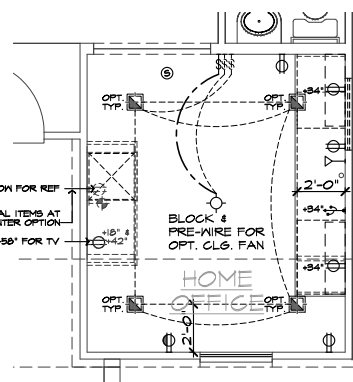
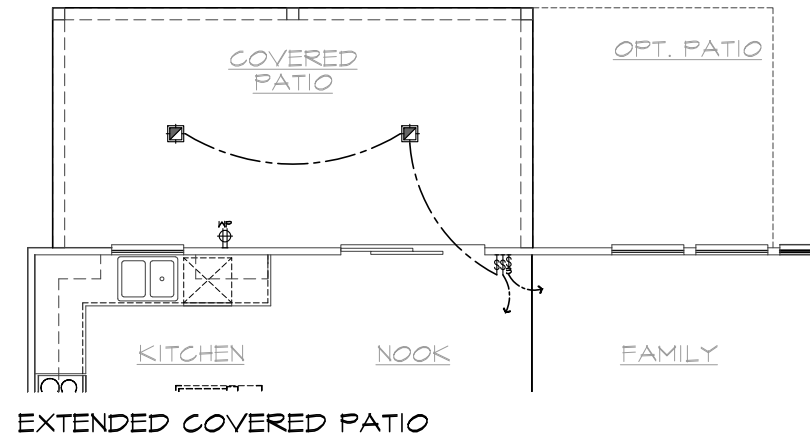
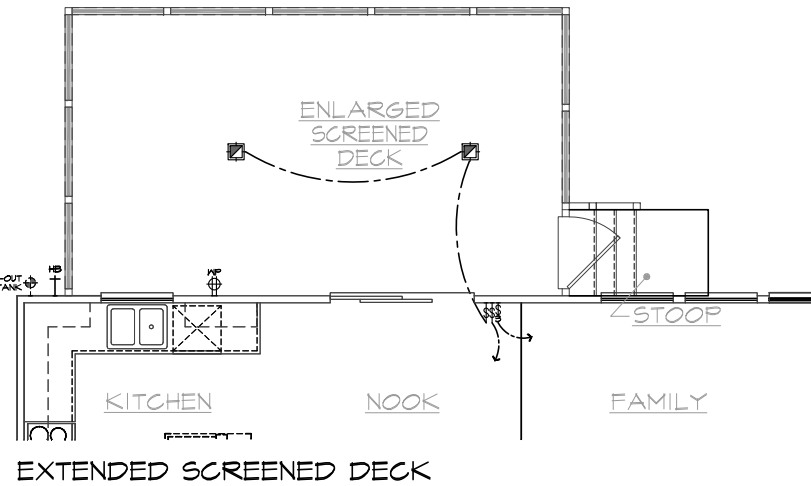
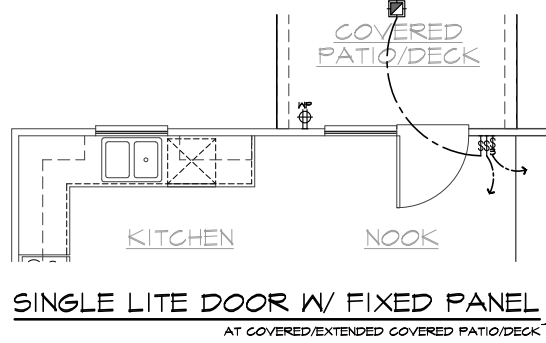
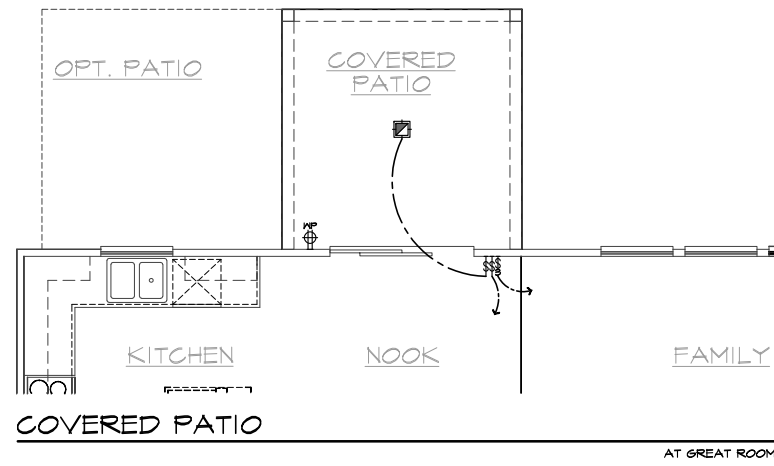
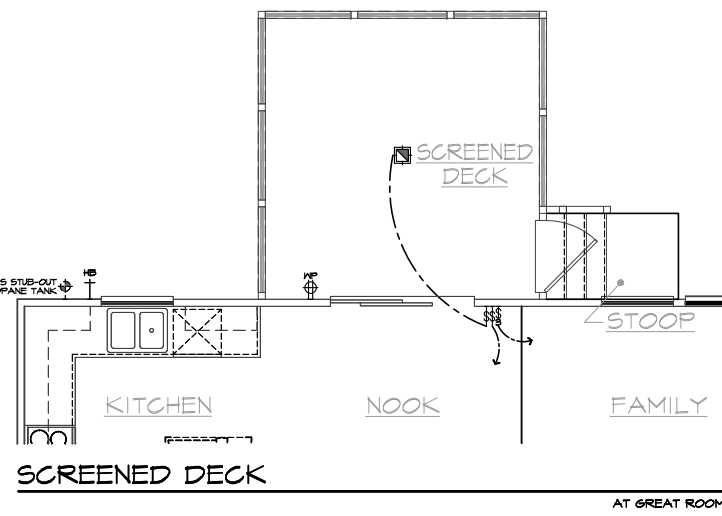
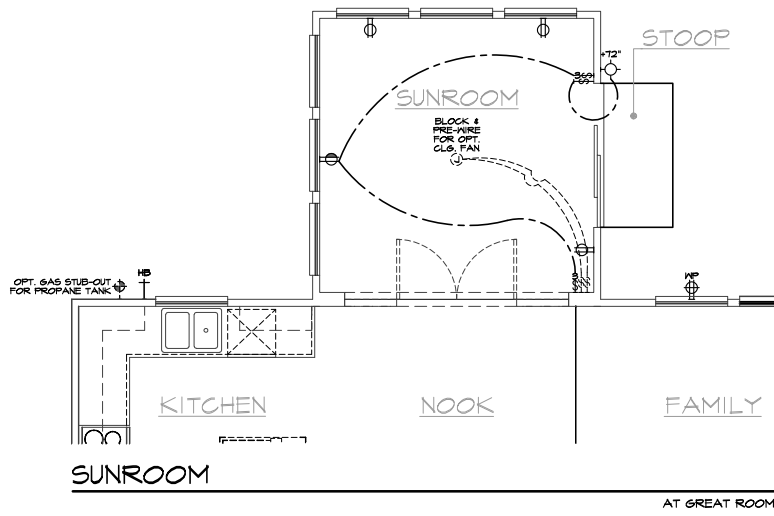
- 11 DIVISION REVISION NC19054NCP - 08/22/19 - FAE
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- 13 DIVISION REVISION NC20003NCP - 12/19/19 - CL
- 14 VENTILATION NC20008NCP - 01/17/20 - CL
- 15 DIVISION REVISION NC20013NCP - 02/10/20 - MCP
- 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
- 17 HOME OFFICE CORP20003CORP-08/20/20-CTD
- 18 ADD NOTE TO TS NC20037NCP - 10/06/20 - KBA
- 19 DIVISION REQ REVISION NC21005NCP - 01/06/21 - KBA
- 20 DIVISION REQ REVISION NC21032NCP - 05/19/21 - KBA

PLAN:
238.2338

SHEET:
5.2

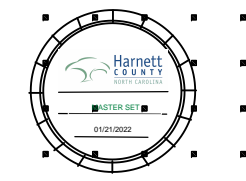
SPEC. LEVEL 1
**RALEIGH-DURHAM
40' SERIES**

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| UTILITY LEGEND | |
|----------------|-----------------------------------------------------------------------------------------------------------------------|
| | 120V DUPLEX CONVENIENCE RECEPTACLE WITH AFCI (TR) AND TAMPER RESISTANT (TR) 12" ABV. FIN. FLR. TYPICAL UNO. |
| | 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 UNO. |
| | 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 UNO. |
| | CEILING 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 MASTER GARAGE |

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 - 20 FOOT #4 REBAR FOR UFER GROUND AND ADDITIONAL COLD WATER GROUND. REFER TO SLAB INTERFACE PLAN FOR LOCATION.
 - 300 AMP ELECTRICAL PANEL (DEFAULT). ELECTRICAL PLAN CHECK PERMIT REQUIRED IF LOAD EXCEED 400 AMPS.



NORTH CAROLINA 40' SERIES

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- ISSUE DATE: 01/08/15
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- DIVISION REVISION NC19654NCP - 08/28/15 - FAB
 - DIVISION REVISION NC19657NCP - 09/26/15 - FAB
 - DIVISION REVISION NC20053NCP - 02/18/20 - CL
 - VENTILATION NC20008NCP - 01/17/20 - CL
 - DIVISION REVISION NC20053NCP - 02/18/20 - MCP
 - DIVISION REVISION NC20017NCP - 03/04/20 - KBA
 - HOME OFFICE CORP20053CORP-08/20/20-CTD
 - ADD NOTE TO TP NC20053NCP - 10/06/20 - KBA
 - DIVISION REQ REVISION NC21005NCP - 01/06/21 - KBA

PLAN: 238.2338
SHEET: 5.3

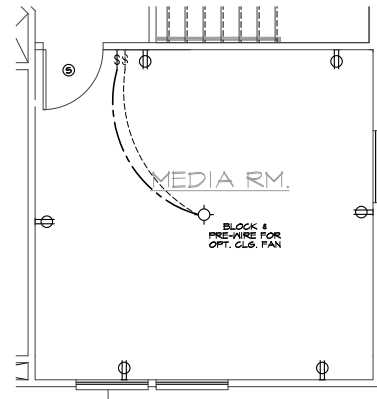
SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

FIRST FLOOR UTILITY PLAN OPTIONS

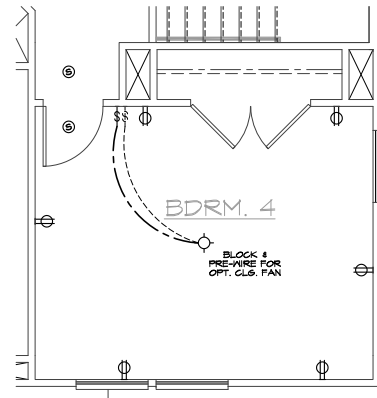
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BASIC PLAN

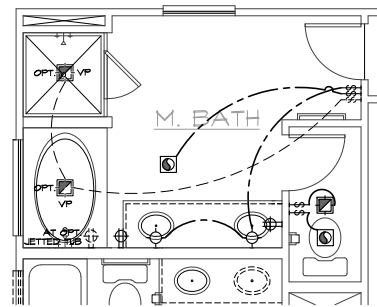
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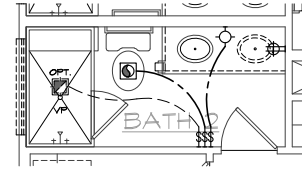
MEDIA
AT LOFT



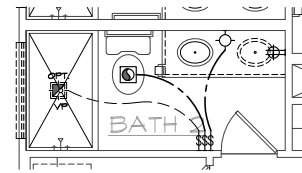
BEDROOM 4
AT LOFT



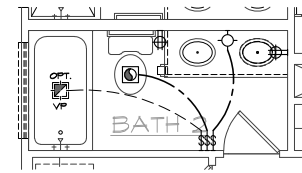
SUPER M. BATH
AT M. BATH



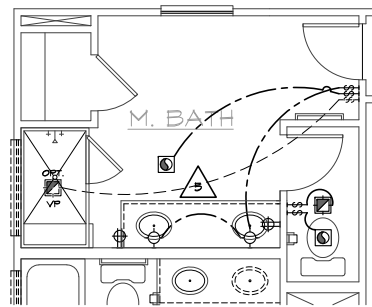
SHOWER W/ SEAT I.L.O. TUB
AT BATH 2



SHOWER I.L.O. TUB
AT BATH 2



VANITY W/ DUAL SINKS
AT BATH 2



DELUXE M. BATH
AT M. BATH

UTILITY LEGEND

| | |
|--|-----------------------------------------------------------------------------------------------------------------------------|
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| | DWELLING GARAGE |

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BASIC PLAN



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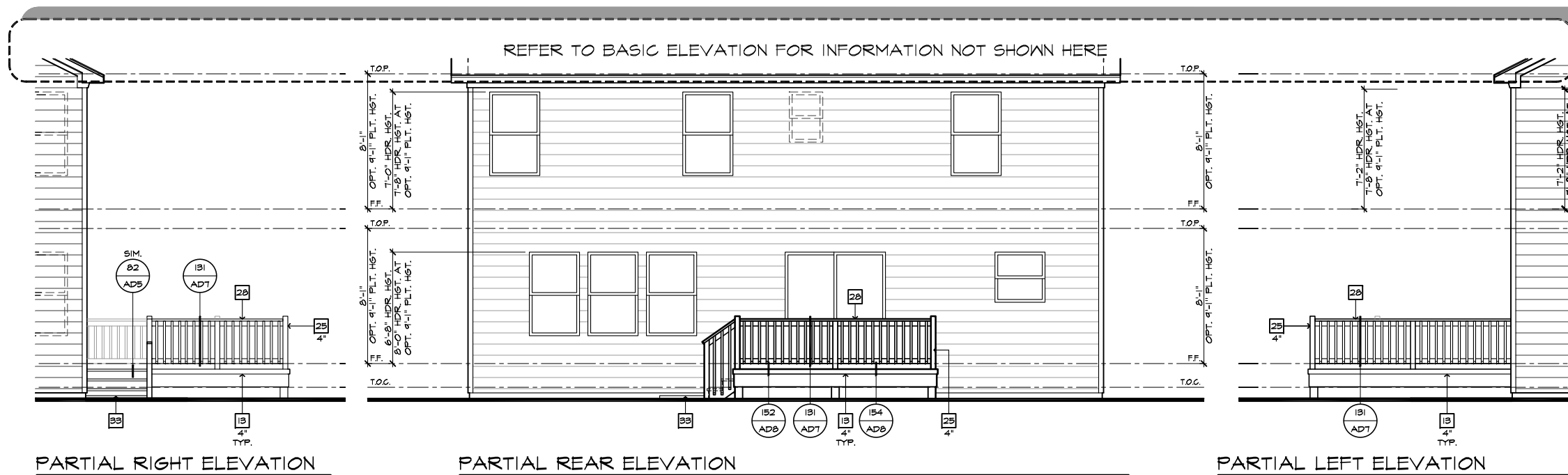
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- 11 DIVISION REVISION NC19054NCP - 08/22/19 - FAE
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- 13 DIVISION REVISION NC20003NCP - 12/19/19 - CL
- 14 VENTILATION NC20008NCP - 01/17/20 - CL
- 15 DIVISION REVISION NC20013NCP - 02/10/20 - MCP
- 16 DIVISION REVISION NC21017NCP - 03/04/20 - KBA
- 17 HOME OFFICE CORP20003CORP-08/20/20-CTD
- 18 ADD NOTE TO TS NC20037NCP - 10/06/20 - KBA
- 19 DIVISION REQ REVISION NC21005NCP - 01/06/21 - KBA
- 20 DIVISION REQ REVISION NC21032NCP - 05/19/21 - KBA

PLAN:
238.2338
SHEET:
5.4

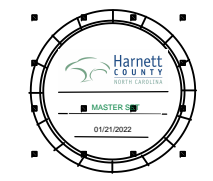
**SPEC. LEVEL 1
RALEIGH-DURHAM
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- ### # ELEVATION NOTES
- NOTE: NOT ALL KEY NOTES APPLY.
1. ROOF MATERIAL - REFER TO ROOF NOTES
 2. 2X FASCIA/BARGE BOARD WITH FASCIA CAP
 3. 6:1 FLASHING
 4. 6:1 FLASHING & SADDLE/CRICKET
 5. 6:1 DRIP SCREED
 6. 24"x24"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

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



NORTH CAROLINA 40' SERIES

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- 19 DIVISION REQ. REVISION NC21005NCP - 01/06/21 - KBA
- 20 DIVISION REQ. REVISION NC21032NCP - 05/19/21 - KBA
- 21 ADD DBCK OPTION NC21056NCP - 12/17/21 - CTD

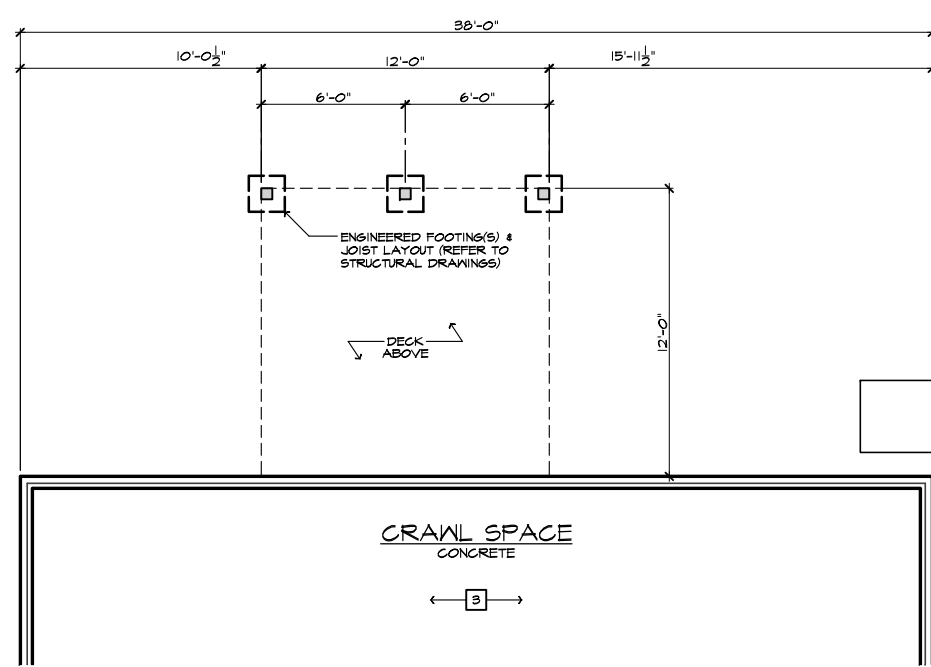
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| | |
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| 1. | |
| 2. | |
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| 6. | |

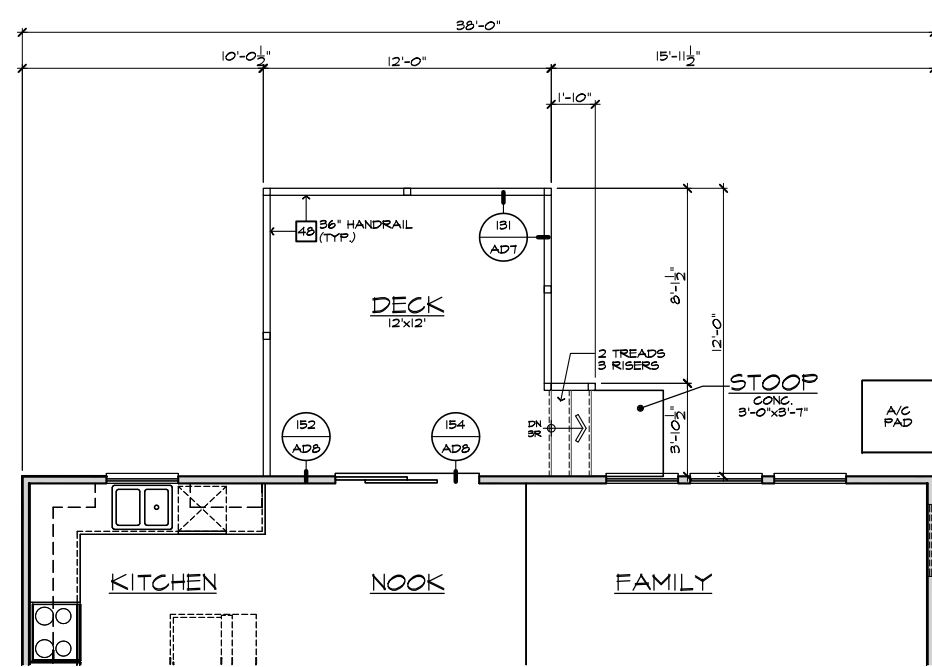
PLAN: 238.2338
SHEET: 71

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES



PARTIAL CRAWL SPACE PLAN

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



PARTIAL FIRST FLOOR PLAN

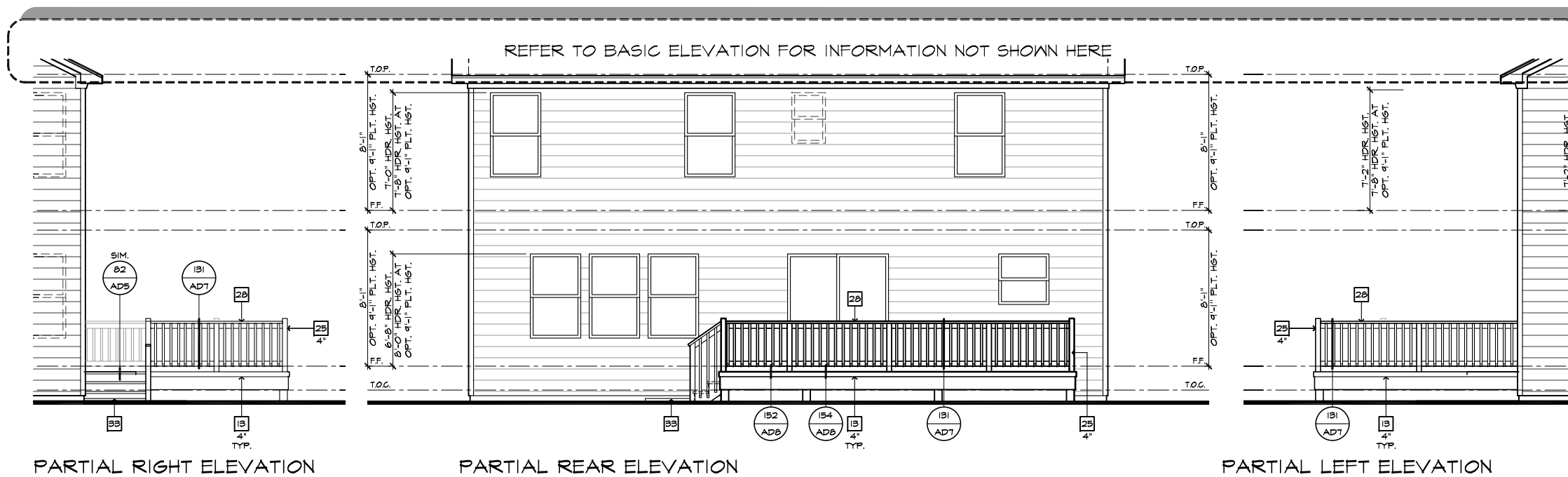
- ### # FOUNDATION PLAN NOTES
- NOTE: NOT ALL KEY NOTES APPLY.
1. CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.
 2. CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER 1'-0" MIN. TOWARD DOOR OPENINGS.
 3. FOUNDATION PER STRUCTURAL.
 4. STAIR LANDING, 36"x36" MIN.
 5. CONCRETE DRIVEWAY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

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

NOTE: REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE

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

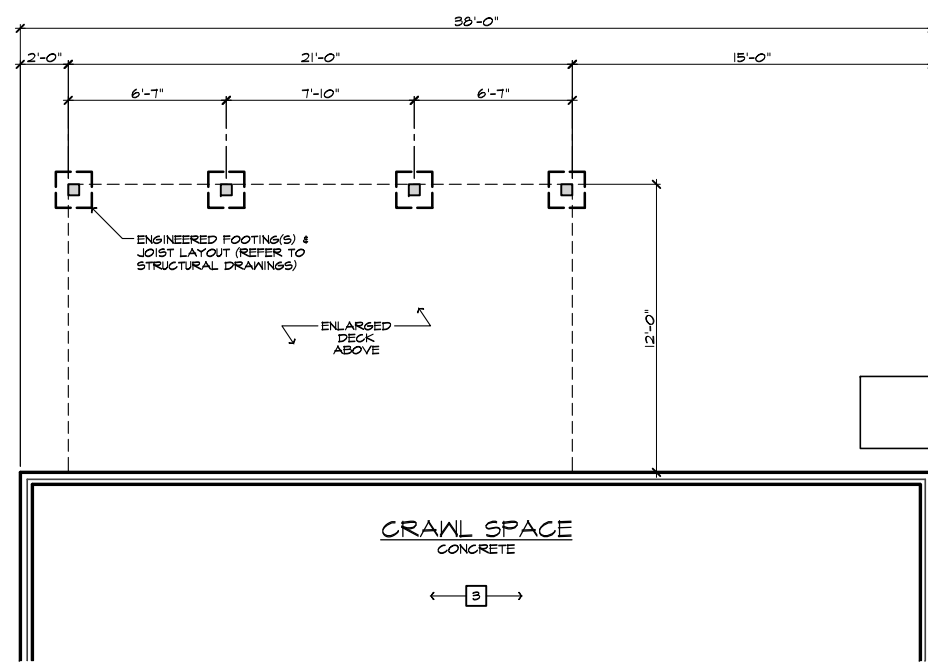
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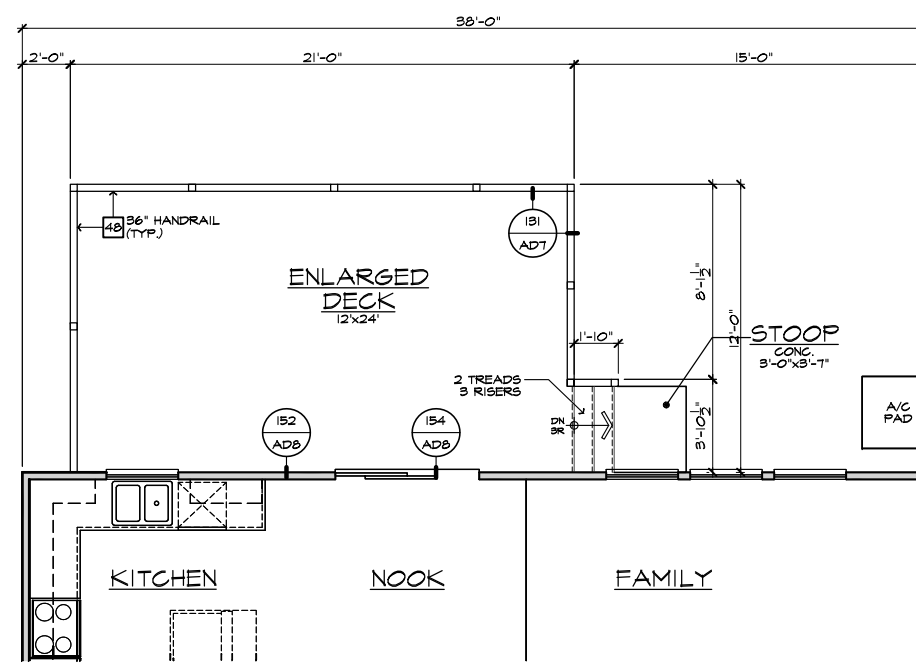
PARTIAL RIGHT ELEVATION

PARTIAL REAR ELEVATION

PARTIAL LEFT ELEVATION



PARTIAL CRAWL SPACE PLAN



PARTIAL FIRST FLOOR PLAN

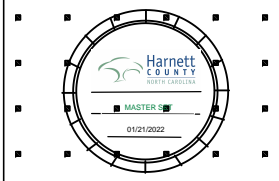
| # | ELEVATION NOTES |
|---------------------------------------|------------------------------------------------------------------------------------------------|
| NOTE: NOT ALL KEY NOTES APPLY. | |
| 1. | ROOF MATERIAL - REFER TO ROOF NOTES |
| 2. | 2X FASCIA/BARGE BOARD WITH FASCIA CAP |
| 3. | 6:1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

| # | PARTIAL PLAN NOTES |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NOTE: NOT ALL KEY NOTES APPLY. | |
| 27. | WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS) |
| 28. | WATER HEATER VENT TO OUTSIDE AIR |
| 29. | MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE |
| 34. | LINE OF WALL BELOW |
| 41. | LINE OF FLOOR ABOVE |
| 42. | LINE OF FLOOR BELOW |
| 43. | MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS) |
| 50. | A/C PAD LOCATION |
| 51. | LOW WALL - REFER TO PLAN FOR HEIGHT |
| 52. | 2x6 STUD WALL |
| 54. | DBL. 2x4 WALL PER PLAN |
| 55. | INTERIOR SHELF - REFER TO PLAN FOR HEIGHT |
| 57. | FLAT SOFFIT |
| 58. | ARCHED SOFFIT |
| 60. | OPT. DOOR/WINDOW |
| 61. | PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST. |
| 62. | BRICK / STONE VENEER - REFER TO ELEVATIONS |
| 63. | SECTIONAL GARAGE DOOR PER SPECS |
| 66. | 3" DIAM. CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE. (NOT REQUIRED AT ELECTRIC WATER HEATERS OR FOR APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL TRAVEL PATH) |
| 68. | P.T. POST W/ WRAP TO EGRESS WINDOW |
| 75. | WINDOW LEDGE - HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOW(S) ON ALL SIDES U.N.O. |
| 76. | SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE |
| 77. | CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SIZE |

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

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

| # | FOUNDATION PLAN NOTES |
|----------------------------------------------------------|-----------------------|
| NOTE: | |
| REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE | |
| NOTE: | |
| REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE | |



NORTH CAROLINA 40' SERIES

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

2018 NORTH CAROLINA STATE BUILDING CODES

ISSUE DATE: 01/08/15
PROJECT No.: 1350999:56
DIVISION MGR.: DCS
REVISIONS: 12/17/21

- 15 DIVISION REVISION NC20013NCP - 02/10/20 - MCP
- 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
- 17 HOME OFFICE CORP20003CORP-08/20/20-CTD
- 18 ADD NOTE TO TF NC20037NCP - 10/06/20 - KBA
- 19 DIVISION REQ. REVISION NC21005NCP - 01/06/21 - KBA
- 20 DIVISION REQ. REVISION NC21032NCP - 05/19/21 - KBA
- 21 ADD DECK OPTION NC21056NCP - 12/17/21 - CTD

| FOR INTERNAL USE ONLY | |
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| REVIEWED BY: | |
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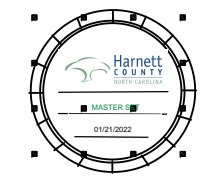
PLAN: 238.2338
SHEET: 7.2

SPEC. LEVEL 1/6 RALEIGH-DURHAM 40' SERIES

EXTENDED ENLARGED DECK 'A/B/C/D' AT CRAWL SPACE

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

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2018 NORTH CAROLINA STATE BUILDING CODES

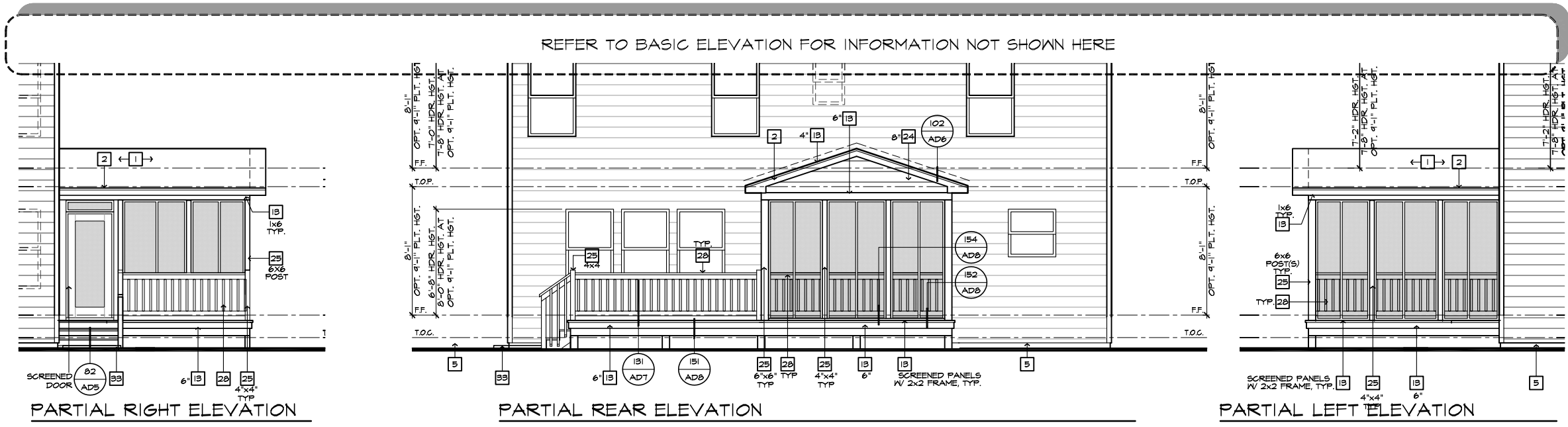
ISSUE DATE: 01/08/15
PROJECT No.: 1350999:56
DIVISION MGR.: DCS
REVISIONS: 12/17/21

- 15 DIVISION REVISION NC2003NCP - 02/10/20 - MCP
- 16 DIVISION REVISION NC2007NCP - 03/04/20 - KBA
- 17 HOME OFFICE CORP2003CORP-08/20/20-CTD
- 18 ADD NOTE TO TF NC2003NCP - 10/04/20 - KBA
- 19 DIVISION RBO REVISION NC21005NCP - 01/06/21 - KBA
- 20 DIVISION RBO REVISION NC21005NCP - 05/19/21 - KBA
- 21 ADD DBCK OPTION NC21056NCP - 12/17/21 - CTD

| FOR INTERNAL USE ONLY | |
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PLAN: 238.2338
SHEET: 7.3

SPEC. LEVEL 1 21 RALEIGH-DURHAM 40' SERIES



- ### ELEVATION NOTES
- NOTE: NOT ALL KEY NOTES APPLY.
- ROOF MATERIAL - REFER TO ROOF NOTES
 - 2X FASCIA/BARGE BOARD WITH FASCIA CAP
 - 6.1. FLASHING
 - 6.1. FLASHING & SADDLE/GRICKET
 - 6.1. DRIP SCREED
 - 24"x24" CHIMNEY
 - DECORATIVE VENT
 - DECORATIVE CORBEL
 - DECORATIVE SHUTTERS
 - PEDIMENT. SEE ELEVATION FOR TYPE
 - RECESSED ELEMENT
 - DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE
 - TRIM PER SPEC- SEE ELEVATION FOR SIZE
 - EXTERIOR FIBER CEMENT PANEL (BEADED OR SMOOTH)
 - PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST.
 - SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE
 - FIBER-CEMENT STRAIGHT SHAKE SIDING SEE SPECS
 - STONE VENEER PER SPECS
 - BRICK/MASONRY VENEER PER SPECS
 - BUILT UP BRICK COLUMN
 - SOLDIER COURSE
 - RONLOCK COURSE
 - FRIEZE BOARD
 - FIBER-CEMENT SIDING PER SPECS
 - P.T. POST W/ WRAP - SEE STRUCTURAL FOR SIZE
 - PRE-FAB DECORATIVE TRIM
 - LIGHT WEIGHT PRECAST STONE TRIM
 - P.T. LUMBER RAILINGS (36" U.N.O.)
 - FIBER-CEMENT SMOOTH BOARD SEE SPECS
 - DECORATIVE WINDOW/DOOR TRIM - FYPON OR EQ. SEE ELEVATION FOR SIZE
 - BRACKET OR KICKER - FYPON OR EQ.
 - ENTRY DOOR
 - CONCRETE STOOP/ PORCH - SEE SLAB INTERFACE PLAN.
 - SECTIONAL GARAGE DOOR PER SPECS
 - ALUMINUM WRAP
 - OPTIONAL DOOR/WINDOM - REFER TO PLAN OPTIONS
 - OPTIONAL STANDING SEAM METAL ROOF
 - KEYSTONE
 - SOLDIER CROWN
 - JACK SOLDIER COURSE
 - WATER TABLE
 - ATRIUM DOOR
 - PILASTER - SEE ELEVATION FOR TYPE

ROOF PLAN NOTES

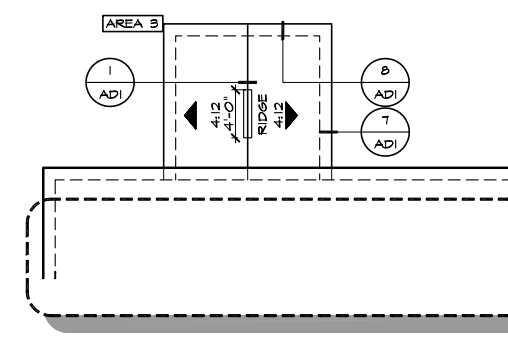
INDICATES ROOF SLOPE AND DIRECTION, U.N.O.
4:12

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

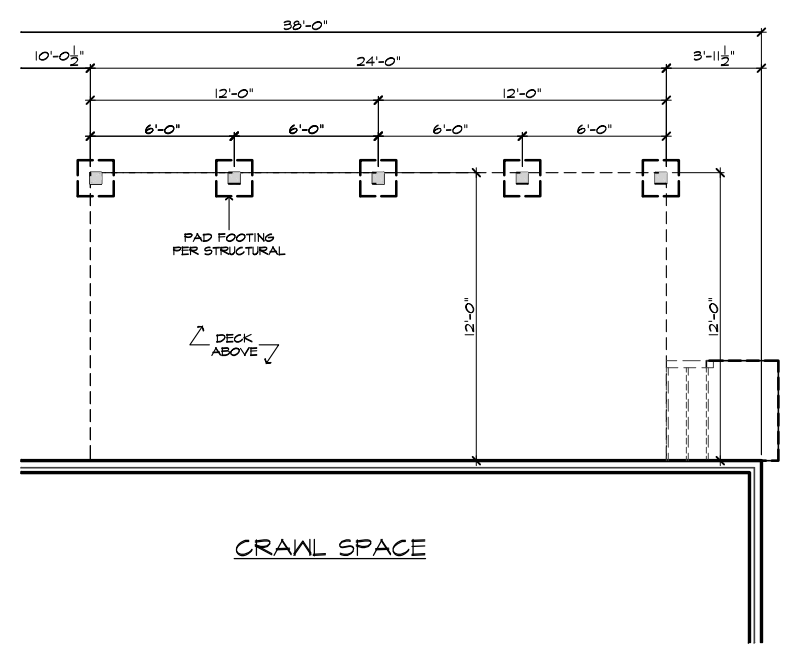
ATTIC VENT CALCULATIONS

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

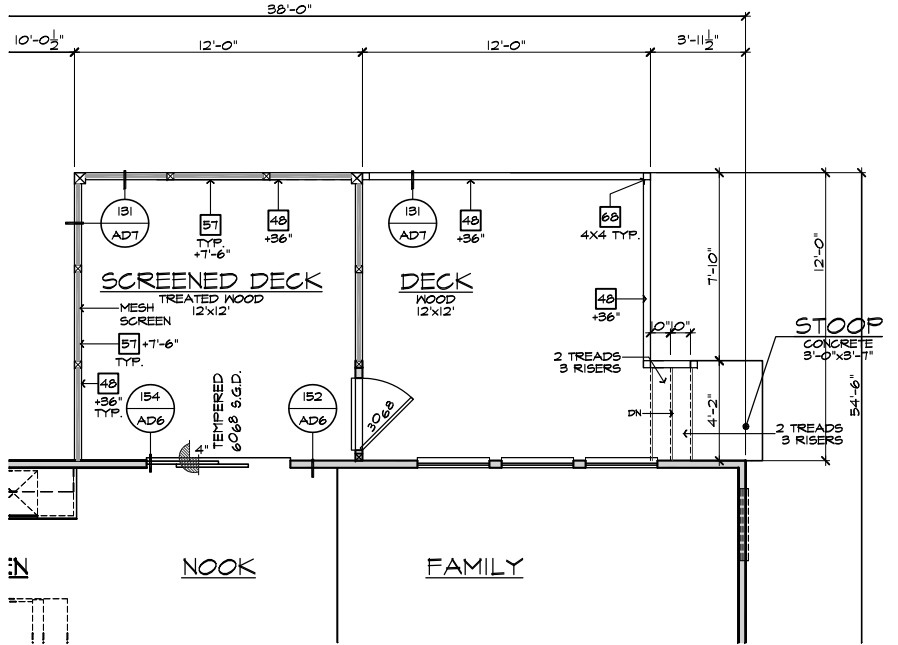
| AREA B / MAIN W/ W/ SCREENED-IN DECK: | | | |
|---------------------------------------|-----------------------------|-----------------|-------------|
| VENTILATION REQUIRED: | | | |
| ATTIC AREA = 144 | SQ. FT. / 150 | 0.96 SQ. FT. | |
| | X 144 = | 138 SQ. IN. | |
| | TOTAL HIGH & LOW = | 138 SQ. IN. | |
| VENTILATION PROVIDED: | | | |
| 10 | LF VENTILATED SOFFIT AT 6.9 | SQ. IN. / LF. = | 6.9 SQ. IN. |
| 6 | LF RIDGE VENT(S) AT 10 | SQ. IN. EA. = | 100 SQ. IN. |
| | TOTAL VENTILATION PROVIDED: | | 117 SQ. IN. |



PARTIAL ROOF PLAN



PARTIAL CRAWL SPACE PLAN



PARTIAL FIRST FLOOR PLAN

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

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

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

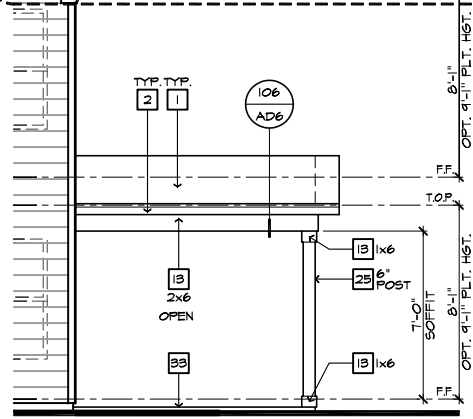
NOTE: REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE
NOTE: REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE

SCREEN DECK WITH OPEN DECK 'A/B/C/D' AT CRAWL SPACE

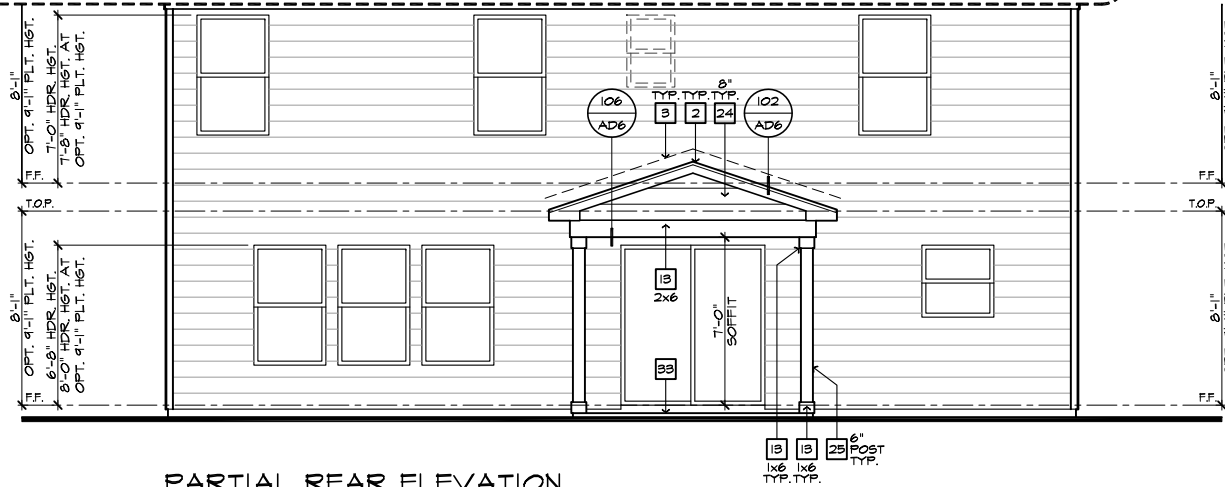
SCALE 1/4"=1'-0" (22"x34") - 1/8"=1'-0" (11"x17")

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REFER TO BASIC ELEVATION FOR INFORMATION NOT SHOWN HERE

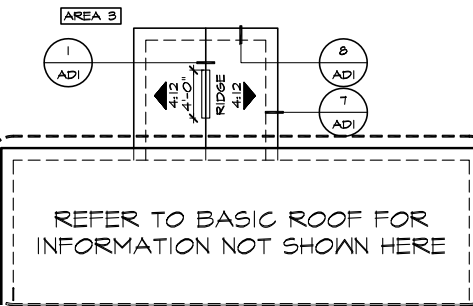


PARTIAL RIGHT ELEVATION

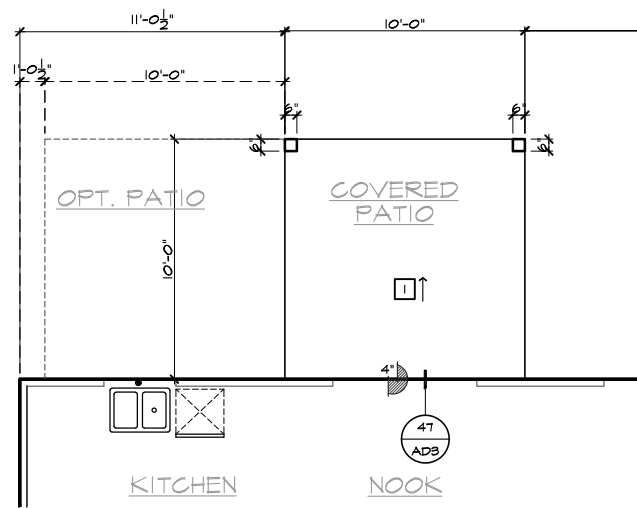


PARTIAL REAR ELEVATION

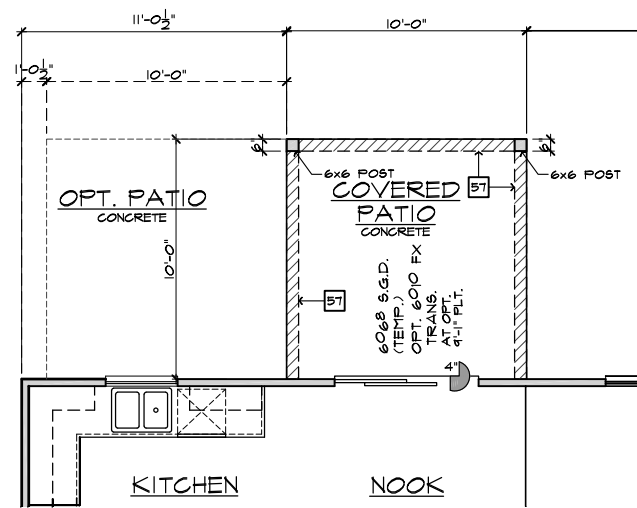
| ROOF PLAN NOTES | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| | 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 9'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS. (LOW VENTING) (2018 NC-R 200.2) | |
| * CALCULATION BY 1/50, HIGH/LOW VENTING NOT REQUIRED. | |
| APPROXIMATE RIDGE VENT LOCATIONS SHOWN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD. | |
| AREA 3 / MAIN IV COVERED PATIO | |
| VENTILATION REQUIRED: | |
| ATTIC AREA = 100 | SQ. FT. / 150 = 0.67 SQ. FT. |
| | X 144 = 96 SQ. IN. |
| | TOTAL HIGH & LOW = 96 SQ. IN. |
| VENTILATION PROVIDED: | |
| 6 | LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = 55 SQ. IN. |
| 4 | LF RIDGE VENT(S) AT 18 SQ. IN. EA. = 72 SQ. IN. |
| TOTAL VENTILATION PROVIDED: 127 SQ. IN. | |



PARTIAL ROOF PLAN



PARTIAL SLAB INTERFACE PLAN



PARTIAL FIRST FLOOR PLAN

COVERED PATIO AT SLAB ON GRADE

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

SLAB PLAN NOTES

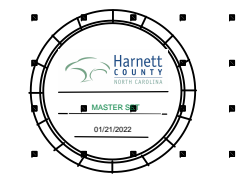
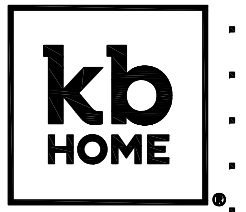
- NOTE: NOT ALL KEY NOTES APPLY.
1. CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.
 2. CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER 1'-0" MIN. TOWARD DOOR OPENINGS.
 3. CONCRETE FOUNDATION PER STRUCTURAL.
 4. CONCRETE STOOP: 36"x36" STANDARD SLOPE 1/4" PER FT. MIN.
 5. CONCRETE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

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

NOTE: REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE

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

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



NORTH CAROLINA 40' SERIES

KB HOME
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ISSUE DATE: 01/08/15
PROJECT No.: 1350999:56
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- 11 DIVISION REVISION NC13654NCP - 08/28/19 - FAB
- 12 DIVISION REVISION NC1967NCP - 09/26/19 - FAB
- 13 DIVISION REVISION NC2003NCP - 12/19/19 - CL
- 14 VENTILATION NC2000NCP - 01/17/20 - CL
- 15 DIVISION REVISION NC2003NCP - 02/10/20 - MCP
- 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
- 17 HOME OFFICE CORP20095CORP-08/20/20-CTD

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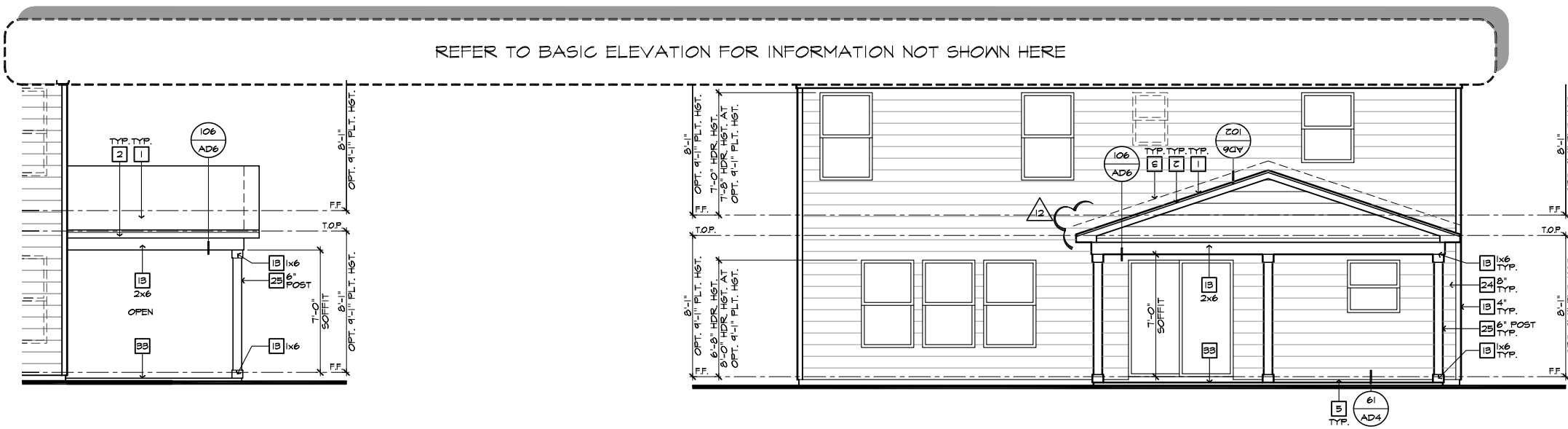
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PLAN: 238.2338
SHEET: 8.1

SPEC. LEVEL 1
RALEIGH-DURHAM 40' SERIES

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PARTIAL RIGHT ELEVATION

PARTIAL REAR ELEVATION

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

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

ROOF PLAN NOTES

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

4:12

ROOF MATERIAL: COMPOSITION SHINGLE

12" (INCHES) TYPICAL ROOF OVERHANGS AT RAKE, U.N.O.

12" (INCHES) TYPICAL ROOF OVERHANGS AT EAVE, U.N.O.

LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS.

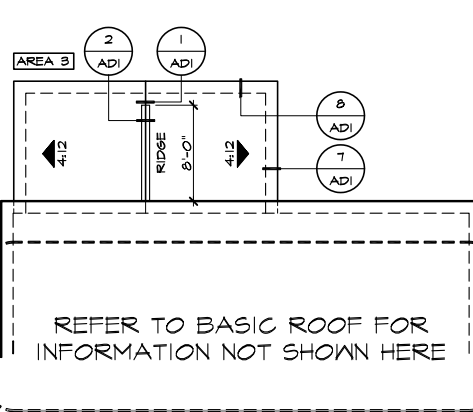
ATTIC VENT CALCULATIONS

PROVIDE 1 SQ. IN. OF VENTILATION PER 500 SQ. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC (HIGH VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS, (LOW VENTING) (2018 NC-R 906.2)

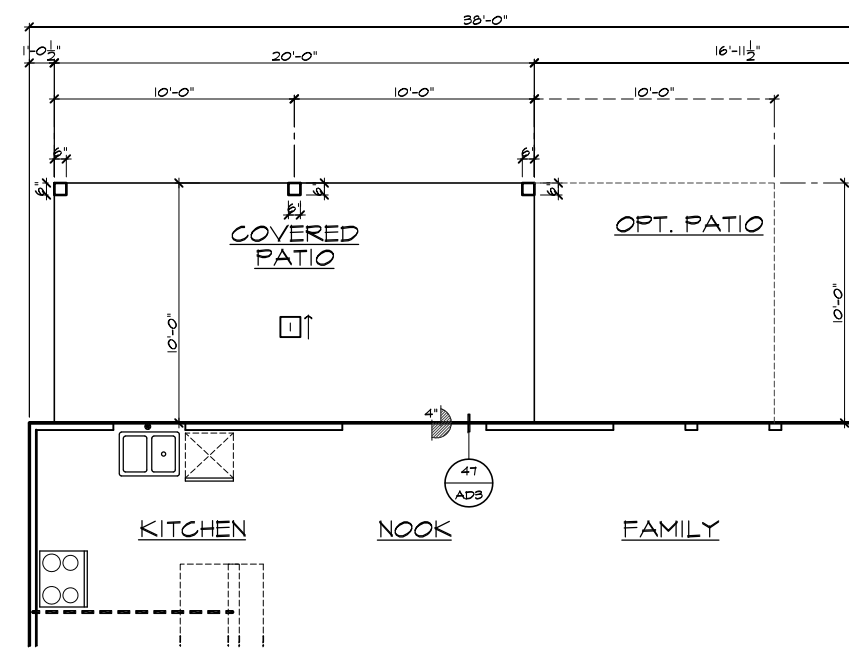
* CALCULATION BY 1/50. HIGH/LOW VENTING NOT REQUIRED.

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

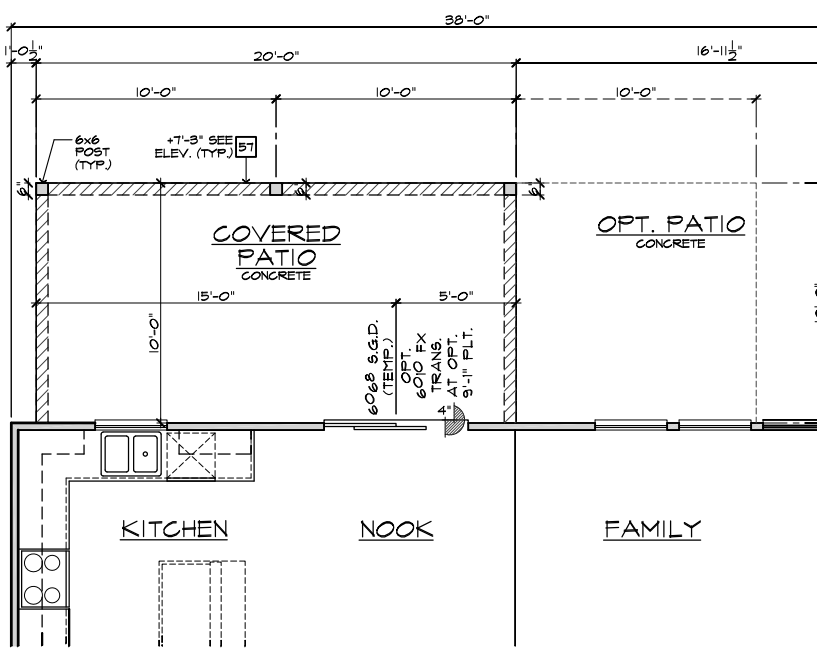
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|-------------------------------------------------|-----------------------------|-----------------|-------------|
| AREA B / MAIN W/ EXTENDED COVERED PATIO. | | | |
| VENTILATION REQUIRED: | | | |
| ATTIC AREA = 200 | SQ. FT. / 150 | 133 SQ. FT. | |
| | X 144 = | 142 SQ. IN. | |
| | TOTAL HIGH & LOW = | 142 SQ. IN. | |
| VENTILATION PROVIDED: | | | |
| 16 | LF VENTILATED SOFFIT AT 6.9 | SQ. IN. / LF. = | 110 SQ. IN. |
| 6 | LF RIDGE VENT(S) AT 18 | SQ. IN. EA. = | 144 SQ. IN. |
| TOTAL VENTILATION PROVIDED: | | | |
| | | | 254 SQ. IN. |



PARTIAL ROOF PLAN



PARTIAL SLAB INTERFACE PLAN



PARTIAL FIRST FLOOR PLAN

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

EXTENDED COVERED PATIO AT SLAB ON GRADE

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



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 - 13 DIVISION REVISION NC20003NCP - 12/19/19 - CL
 - 14 VENTILATION NC20004NCP - 01/17/20 - CL
 - 15 DIVISION REVISION NC20013NCP - 02/10/20 - MCP
 - 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
 - 17 HOME OFFICE CORP20005CORP-08/20/20-CTD

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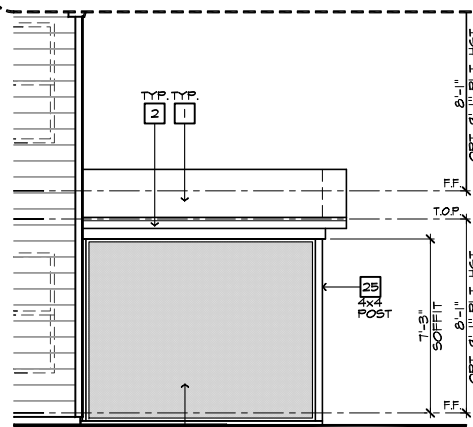
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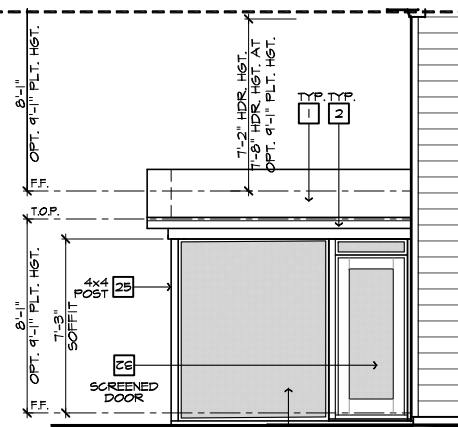
SPEC. LEVEL 1
RALEIGH-DURHAM 40' SERIES

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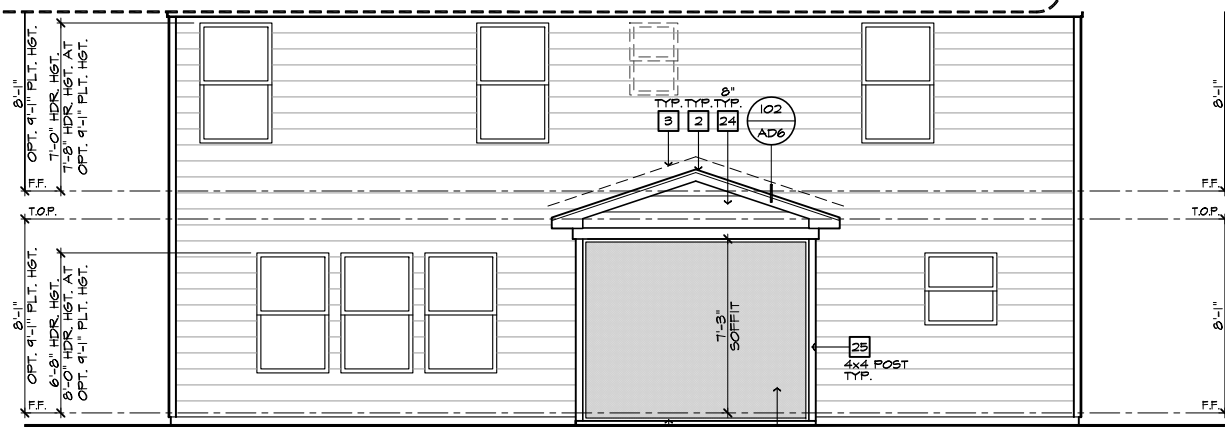
REFER TO BASIC ELEVATION FOR INFORMATION NOT SHOWN HERE



PARTIAL RIGHT ELEVATION



PARTIAL LEFT ELEVATION



PARTIAL REAR ELEVATION

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

ROOF PLAN NOTES

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

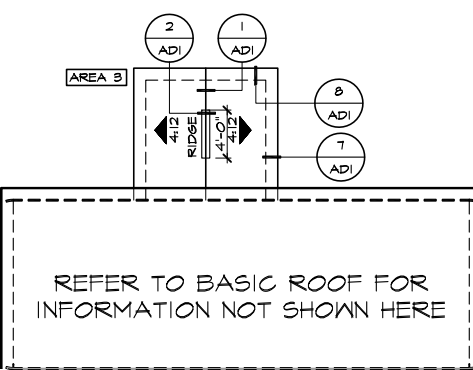
ROOF MATERIAL: COMPOSITION SHINGLE

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

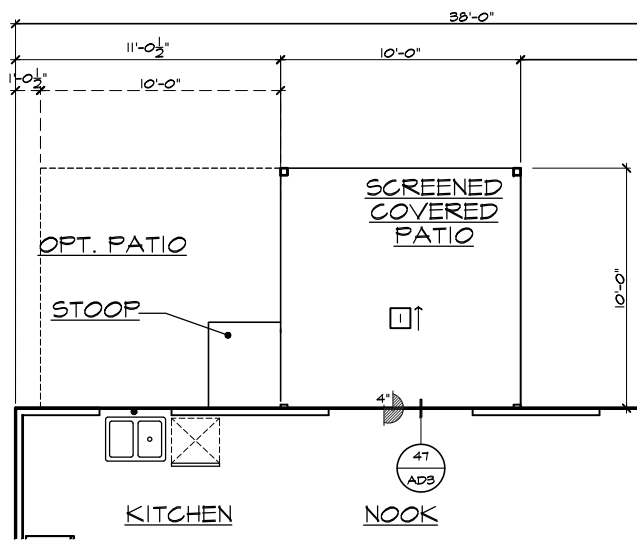
ATTIC VENT CALCULATIONS

PROVIDE 1 SQ. IN. OF VENTILATION PER 500 SQ. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC (HIGH VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS (LOW VENTING) (2018 NC-R 200.2)
* CALCULATION BY I/B/O, HIGH/LOW VENTING NOT REQUIRED.
APPROXIMATE RIDGE VENT LOCATIONS SHOWN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD.

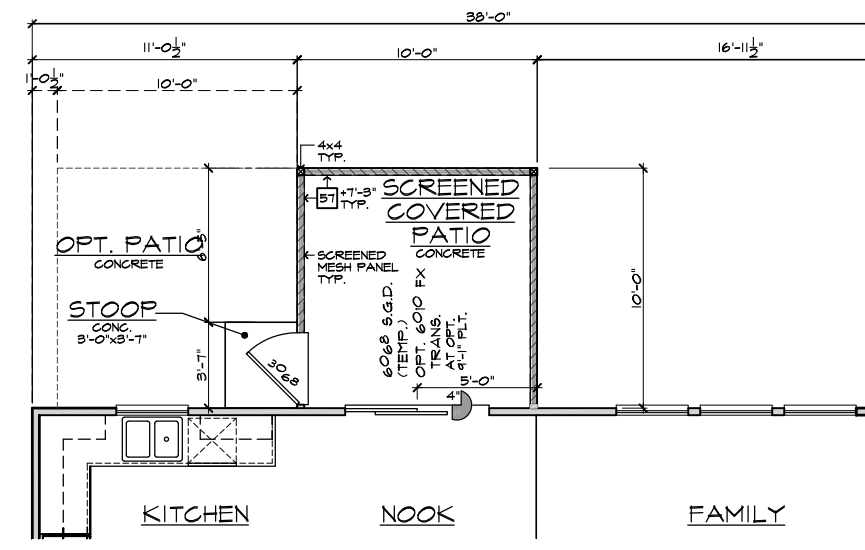
| AREA 3 / MAIN W/ SCREENED-IN COVERED PATIO. | |
|---------------------------------------------|--------------------------------------------------------|
| VENTILATION REQUIRED: | |
| ATTIC AREA = 100 | SQ. FT. / 150 = 0.67 SQ. FT. |
| | X 144 = 96 SQ. IN. |
| | TOTAL HIGH & LOW = 96 SQ. IN. |
| VENTILATION PROVIDED: | |
| 8 | LF VENTILATED SOFFIT AT 6:1 SQ. IN. / LF. = 55 SQ. IN. |
| 4 | LF RIDGE VENT(S) AT 18 SQ. IN. EA. = 72 SQ. IN. |
| | TOTAL VENTILATION PROVIDED: 127 SQ. IN. |



PARTIAL ROOF PLAN



PARTIAL SLAB INTERFACE PLAN



PARTIAL FIRST FLOOR PLAN

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

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

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



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 - 13 DIVISION REVISION NC20003NCP - 12/19/19 - CL
 - 14 VENTILATION NC20008NCP - 01/17/20 - CL
 - 15 DIVISION REVISION NC20013NCP - 02/10/20 - MCP
 - 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
 - 17 HOME OFFICE CORP20009CORP-08/20/20-CTD

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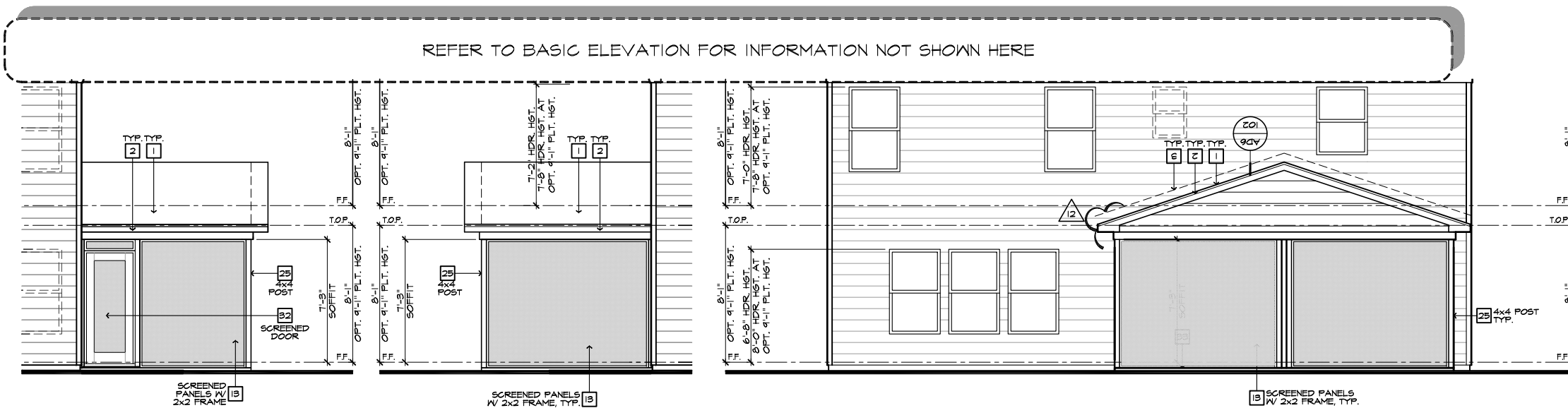
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PLAN: 238.2338
SHEET: 8.3

SPEC. LEVEL 1
RALEIGH-DURHAM 40' SERIES

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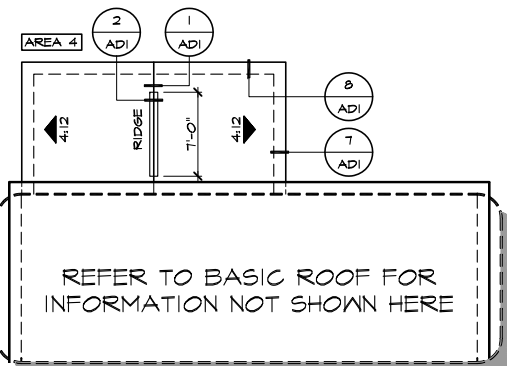


PARTIAL RIGHT ELEVATION

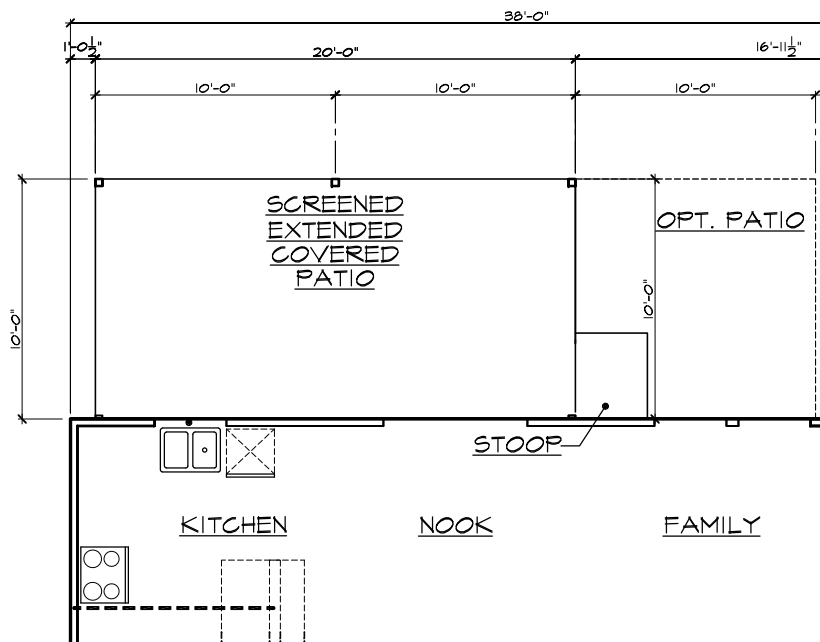
PARTIAL LEFT ELEVATION

PARTIAL REAR ELEVATION

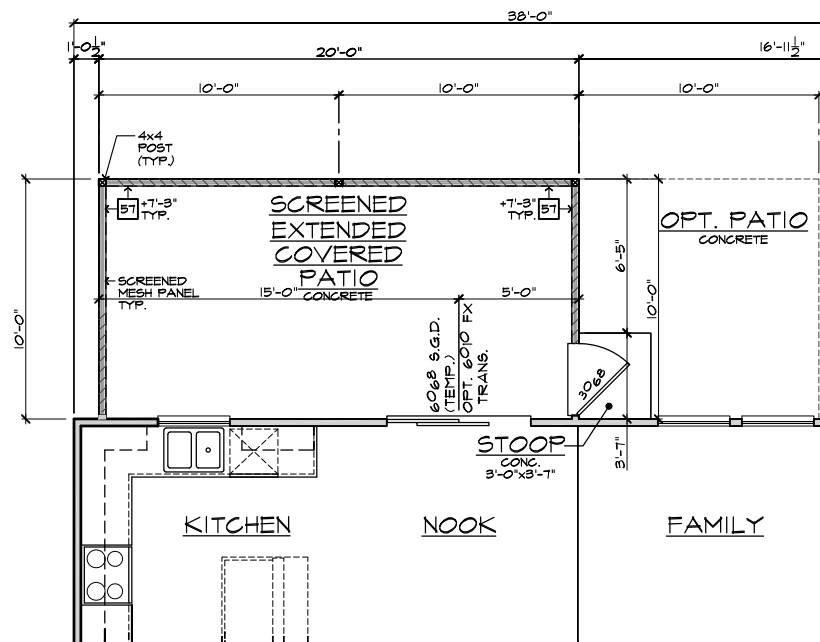
| ROOF PLAN NOTES | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------|-------------|
| | INDICATES ROOF SLOPE AND DIRECTION, U.N.O. | | |
| 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 2006.2) | | | |
| * CALCULATION BY 1/50, HIGH/LOW VENTING NOT REQUIRED. | | | |
| APPROXIMATE RIDGE VENT LOCATIONS SHOWN. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD. | | | |
| AREA 3 / MAIN IV EXTENDED SCREENED-IN COVERED PATIO: | | | |
| VENTILATION REQUIRED: | | | |
| ATTIC AREA = 200 | 50 SQ. FT. / 150 | 133 SQ. FT. | |
| | X 144 = | 142 SQ. IN. | |
| | TOTAL HIGH & LOW = | 142 SQ. IN. | |
| VENTILATION PROVIDED: | | | |
| 18 | LF VENTILATED SOFFIT AT 6.9 | SQ. IN. / LF. = | 124 SQ. IN. |
| 7 | LF RIDGE VENT(S) AT 18 | SQ. IN. EA. = | 126 SQ. IN. |
| TOTAL VENTILATION PROVIDED: 250 SQ. IN. | | | |



PARTIAL ROOF PLAN



PARTIAL SLAB INTERFACE PLAN



PARTIAL FIRST FLOOR PLAN

EXTENDED COVERED SCREENED PATIO AT SLAB ON GRADE

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

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

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

NOTE: REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE

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

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



NORTH CAROLINA 40' SERIES

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2018 NORTH CAROLINA STATE BUILDING CODES

ISSUE DATE: 01/08/15
PROJECT No.: 1350999:56
DIVISION MGR.: DCS

- REVISIONS: 08/20/20
- 11 DIVISION REVISION NC13654NCP - 08/28/19 - FAB
 - 12 DIVISION REVISION NC13657NCP - 09/26/19 - FAB
 - 13 DIVISION REVISION NC20003NCP - 12/19/19 - CL
 - 14 VENTILATION NC20004NCP - 01/17/20 - CL
 - 15 DIVISION REVISION NC20013NCP - 02/10/20 - MCP
 - 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
 - 17 HOME OFFICE CORP20005CORP-08/20/20-CTD

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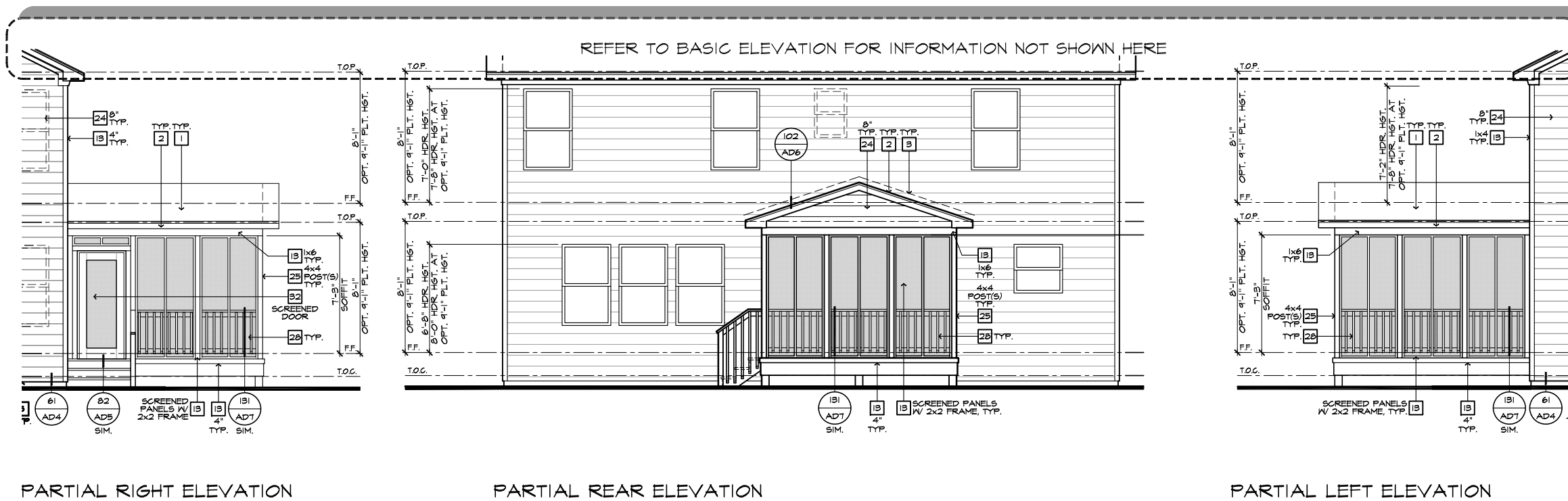
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PLAN: 238.2338
SHEET: 8.4

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

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PARTIAL RIGHT ELEVATION

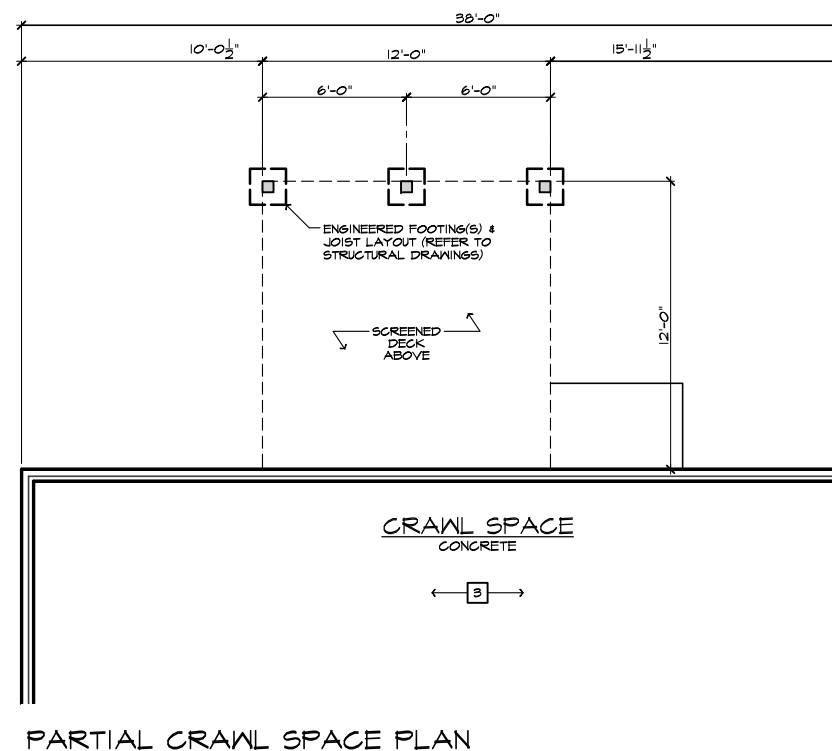
PARTIAL REAR ELEVATION

PARTIAL LEFT ELEVATION

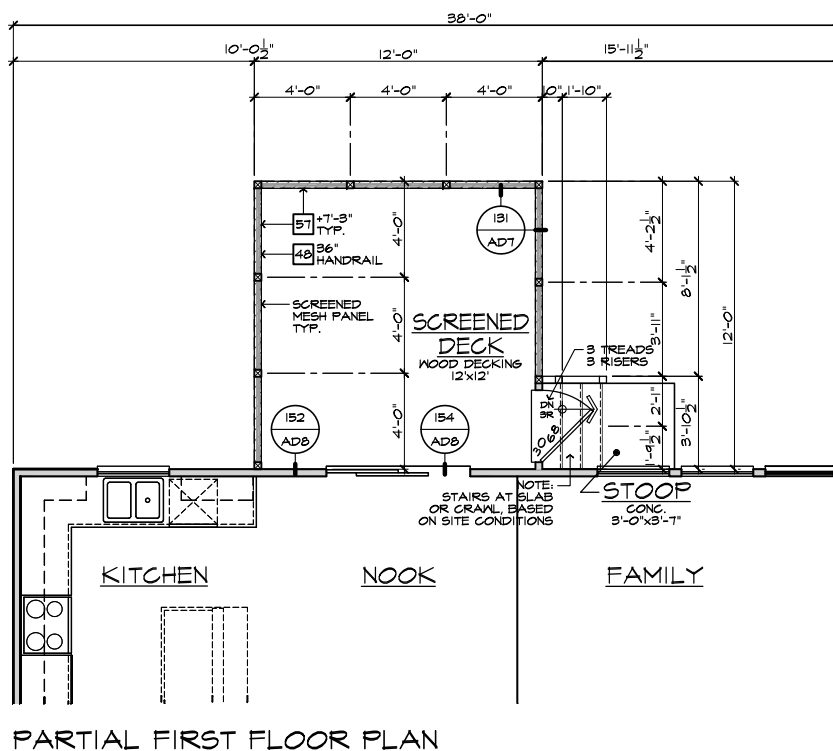
| # | ELEVATION NOTES |
|---------------------------------------|------------------------------------------------------------------------------------------------|
| NOTE: NOT ALL KEY NOTES APPLY. | |
| 1. | ROOF MATERIAL - REFER TO ROOF NOTES |
| 2. | 2X FASCIA/BARGE BOARD WITH FASCIA CAP |
| 3. | 6.1. FLASHING |
| 4. | 6.1. FLASHING & SADDLE/CRIKETT |
| 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. | ROCKLOCK 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. | |
| 21. | WATER HEATER LOCATION - FOR GAS - LOCATE ON 18" HIGH PLATFORM - FOR INTERIOR LOCATION - PROVIDE PAN & DRAIN (REFER TO DETAILS) |
| 22. | WATER HEATER 'B' VENT TO OUTSIDE AIR |
| 23. | MAIN LINE SHUT-OFF VALVE AND TEMP. & PRESSURE RELIEF VALVE |
| 34. | LINE OF WALL BELOW |
| 41. | LINE OF FLOOR ABOVE |
| 42. | LINE OF FLOOR BELOW |
| 43. | MIN. 36" HIGH GUARDRAIL (REFER TO DETAIL SHEETS) |
| 50. | A/C PAD LOCATION |
| 51. | LOW WALL - REFER TO PLAN FOR HEIGHT |
| 52. | 2x6 STUD WALL |
| 54. | DEL. 2x4 WALL PER PLAN |
| 55. | INTERIOR SHELF - REFER TO PLAN FOR HEIGHT |
| 57. | FLAT SOFFIT |
| 58. | ARCHED SOFFIT |
| 60. | OPT. DOOR/WINDOW |
| 61. | PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST. |
| 62. | BRICK / STONE VENEER - REFER TO ELEVATIONS |
| 63. | SECTIONAL GARAGE DOOR PER SPECS |
| 66. | 3" DIAM. CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE. (NOT REQUIRED AT ELECTRIC WATER HEATERS OR FOR TRAVEL PATHS LOCATED OUT OF THE VEHICLE'S NORMAL TRAVEL PATH.) |
| 68. | P.T. POST W/ WRAP. |
| 70. | EGRESS WINDOW |
| 75. | WINDOW LEDGE, HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOW(S) ON ALL SIDES U.N.O. |
| 76. | SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE |
| 77. | CONCRETE SLAB, SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SIZE |

| ROOF PLAN NOTES | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| | INDICATES ROOF SLOPE AND DIRECTION U.N.O. |
| ROOF MATERIAL: COMPOSITION SHINGLE | |
| 12" (INCHES) TYPICAL ROOF OVERHANGS AT RAKE, U.N.O. | |
| 12" (INCHES) TYPICAL ROOF OVERHANGS AT EAVE, U.N.O. | |
| LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS. | |
| ATTIC VENT CALCULATIONS | |
| PROVIDE 1 SQ. IN. OF VENTILATION PER 300 SQ. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC (HIGH VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS (LOW VENTING) | |
| * CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED. | |
| AREA 5 / MAIN W/ W/ SCREENED-IN DECK | |
| VENTILATION REQUIRED: | |
| ATTIC AREA = 144 | SQ. FT. / 150 = 0.96 SQ. FT. |
| | X 144 = 138 SQ. IN. |
| | TOTAL HIGH & LOW = 138 SQ. IN. |
| VENTILATION PROVIDED: | |
| 10 | LF VENTILATED SOFFIT AT 6.4 SQ. IN. / LF. = 64 SQ. IN. |
| 6 | LF RIDGE VENT(S) AT 10 SQ. IN. EA. = 100 SQ. IN. |
| TOTAL VENTILATION PROVIDED: 177 SQ. IN. | |



PARTIAL CRAWL SPACE PLAN



PARTIAL FIRST FLOOR PLAN

| # | 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 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. |
| NOTE: | |
| THE CRAWL SPACE IS TO BE CONDITIONED PER NC-R SECTION R409. | |
| THE CRAWL SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION R409.2. | |
| NOTE: | |
| REFER TO BASIC ROOF PLAN FOR INFORMATION NOT SHOWN HERE | |
| NOTE: | |
| REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE | |
| NOTE: | |
| REFER TO BASIC FLOOR PLAN FOR INFORMATION NOT SHOWN HERE | |
| NOTE: | |
| REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE | |



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2018 NORTH CAROLINA STATE BUILDING CODES

ISSUE DATE: 01/08/15
 PROJECT No.: 1350999-56
 DIVISION MGR.: DCS
 REVISIONS: 08/20/20

- 11 DIVISION REVISION NC1954NCP - 02/28/19 - FAB
- 12 DIVISION REVISION NC1967NCP - 09/26/19 - FAB
- 13 DIVISION REVISION NC2003NCP - 12/19/19 - CL
- 14 VENTILATION NC2008NCP - 01/17/20 - CL
- 15 DIVISION REVISION NC2003NCP - 02/10/20 - MCP
- 16 DIVISION REVISION NC2007NCP - 03/04/20 - KBA
- 17 HOME OFFICE CORP2005CORP-04/20/20-CTD

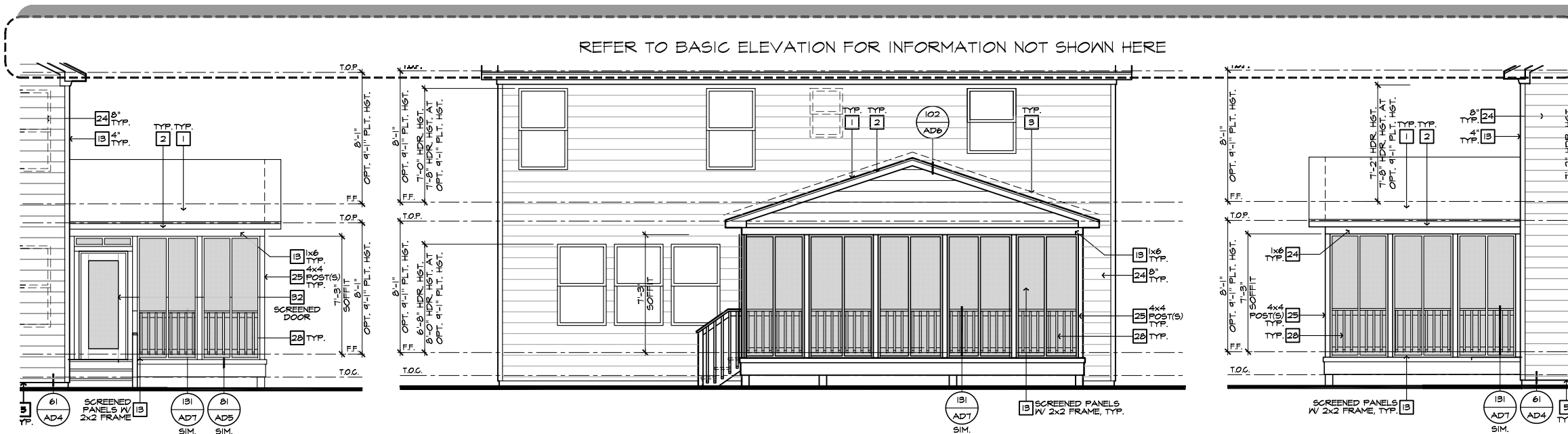
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PLAN: 238.2338
 SHEET: 8.5

SPEC. LEVEL 1
 RALEIGH-DURHAM 40' SERIES

SCREENED-IN DECK 'A/B/C/D' AT CRAWL SPACE
 SCALE 1/4"=1'-0" (22"X34") - 1/8"=1'-0" (11"X17")

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PARTIAL RIGHT ELEVATION

PARTIAL REAR ELEVATION

PARTIAL LEFT ELEVATION

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

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

ROOF PLAN NOTES

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

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

ATTIC VENT CALCULATIONS

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

AREA 5 / MAIN W/ EXTENDED SCREENED-IN DECK.

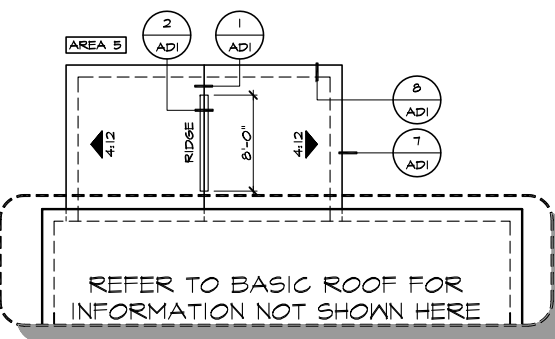
| | | |
|-------------------------------------------|--------------------|-------------|
| VENTILATION REQUIRED: | SQ. FT. / 150 | 108 SQ. FT. |
| ATTIC AREA = 252 | X 144 = | 242 SQ. IN. |
| | TOTAL HIGH & LOW = | 242 SQ. IN. |
| VENTILATION PROVIDED: | | |
| 22 LF VENTILATED SOFFIT AT 6'-0" LF VENT. | 152 SQ. IN. / LF = | 152 SQ. IN. |
| 8 LF RIDGE VENT(S) AT 18" LF VENT. | 144 SQ. IN. EA. = | 144 SQ. IN. |
| TOTAL VENTILATION PROVIDED: | | 296 SQ. IN. |

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

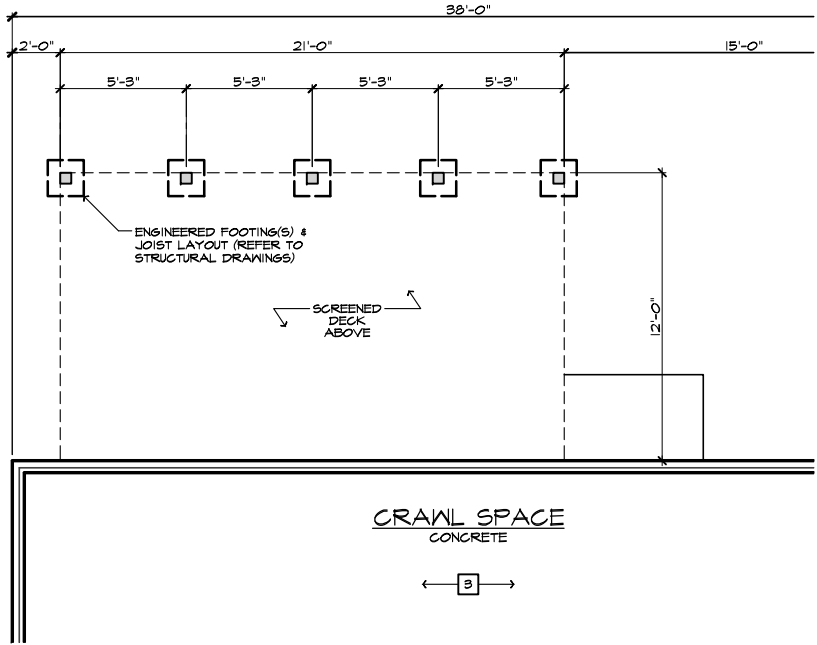
NOTE: REFER TO BASIC ROOF PLAN FOR INFORMATION NOT SHOWN HERE

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

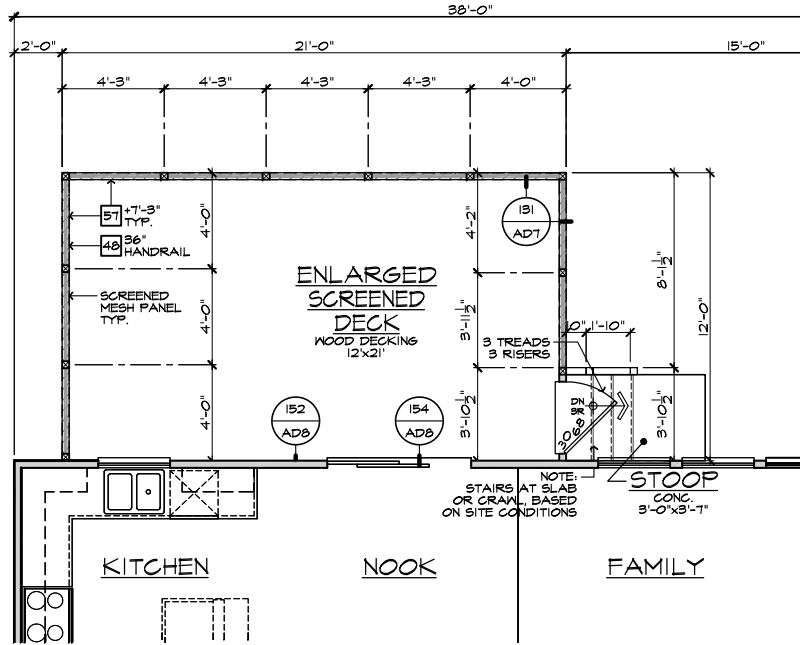
NOTE: REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE



PARTIAL CRAWL SPACE PLAN



PARTIAL CRAWL SPACE PLAN



PARTIAL FIRST FLOOR PLAN

- FOUNDATION PLAN NOTES**
- NOTE: NOT ALL KEY NOTES APPLY.
- CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.
 - CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER 1'-0" MIN. TOWARD DOOR OPENINGS.
 - FOUNDATION PER STRUCTURAL.
 - STAIR LANDING: 36"x36" MIN.
 - CONCRETE DRIVEWAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENINGS.
 - PROVIDE UNDER FLOOR VENTILATION
 - 4" TOE KICK FOR MASONRY VENEER.
 - 3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.
 - REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.
 - VERIFY LOCATION OF PIER FOOTINGS PER STRUCTURAL
 - 4" MIN. T 3/4" MAX. TO HARD SURFACE.
 - A/C PAD. VERIFY LOCATION.
 - CRAWL SPACE ACCESS
 - 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.
- NOTE: THE CRAWL SPACE IS TO BE CONDITIONED PER NC-R SECTION R409. THE CRAWL SPACE VAPOR RETARDER (BARRIER) IS TO BE PER NC-R SECTION R409.2.



NORTH CAROLINA 40' SERIES

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

2018 NORTH CAROLINA STATE BUILDING CODES

- ISSUE DATE: 01/08/15
 PROJECT No.: 1350999:56
 DIVISION MGR.: DCS
 REVISIONS: 08/20/20
- 11 DIVISION REVISION NC13654NCF - 08/28/19 - FAE
 - 12 DIVISION REVISION NC13657NCF - 09/26/19 - FAE
 - 13 DIVISION REVISION NC22003NCF - 12/19/19 - CL
 - 14 VENTILATION NC22004NCF - 01/17/20 - CL
 - 15 DIVISION REVISION NC22003NCF - 02/10/20 - MCP
 - 16 DIVISION REVISION NC22007NCF - 03/04/20 - KBA
 - 17 HOME OFFICE CORP120093CORP-08/20/20-CTD

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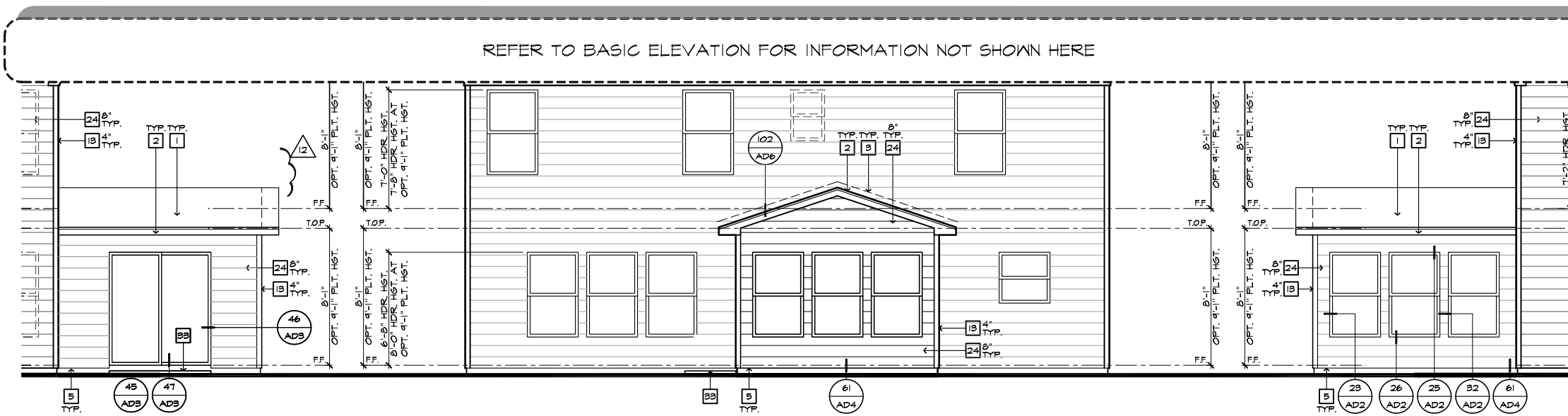
PLAN: 238.2338
 SHEET: 8.6

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

EXTENDED SCREENED-IN DECK 'A/B/C/D' AT CRAWL SPACE

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

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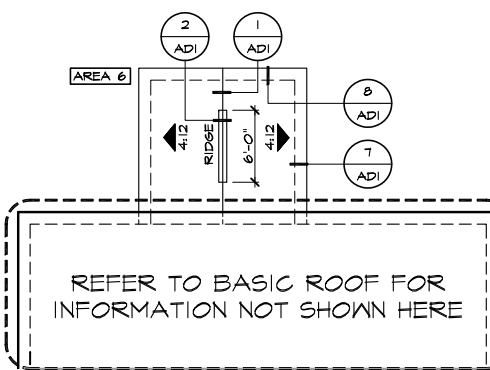


PARTIAL RIGHT ELEVATION

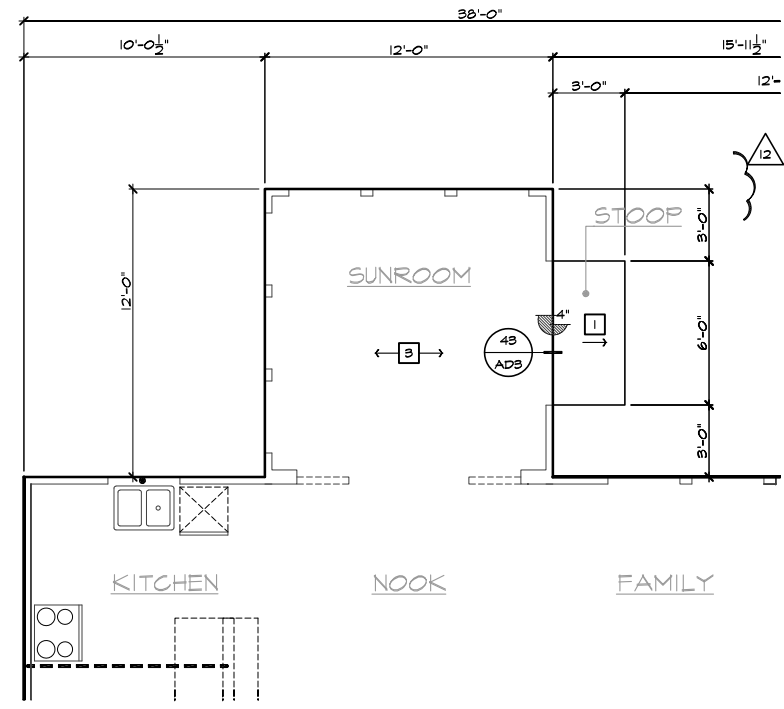
PARTIAL REAR ELEVATION

PARTIAL LEFT ELEVATION

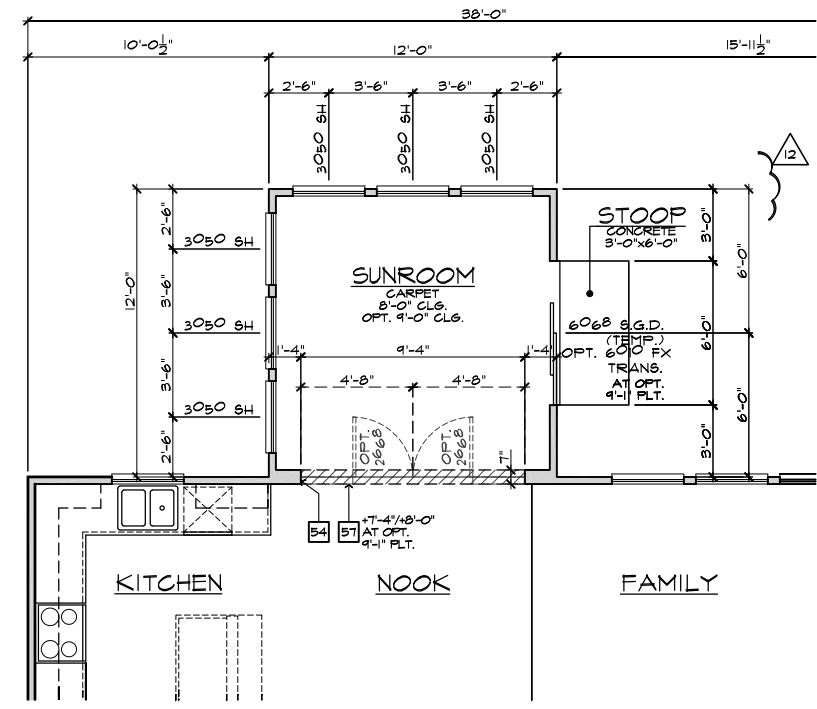
| ROOF PLAN NOTES | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| | INDICATES ROOF SLOPE AND DIRECTION, U.N.O. |
| ROOF MATERIAL: COMPOSITION SHINGLE | |
| 12" (INCHES) TYPICAL ROOF OVERHANGS AT RAKE, U.N.O. | |
| 12" (INCHES) TYPICAL ROOF OVERHANGS AT EAVE, U.N.O. | |
| LOCATE EAVE/ RAFTER VENTS EQUALLY BALANCED AROUND HOUSE EXCEPT ABOVE SHEARWALL PANELS. | |
| ATTIC VENT CALCULATIONS | |
| PROVIDE 1 SQ. IN. OF VENTILATION PER 300 SQ. IN. OF ATTIC SPACE. PROVIDE THAT AT LEAST 50% & NO MORE THAN 80% OF THE REQ. VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC (HIGH VENTING) AT 3'-0" ABOVE EAVE VENT WITH THE BALANCE BEING PROVIDED BY EAVE VENTS (LOW VENTING) | |
| * CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED. | |
| AREA 5 / MAIN IV SUNROOM: | |
| VENTILATION REQUIRED: | |
| ATTIC AREA = 144 | SQ. FT. / 150 = 0.96 SQ. FT. |
| | X 144 = 139 SQ. IN. |
| | TOTAL HIGH & LOW = 139 SQ. IN. |
| VENTILATION PROVIDED: | |
| 10 LF VENTILATED SOFFIT AT 6.9 | SQ. IN. / LF. = 64 SQ. IN. |
| 6 LF RIDGE VENT(S) AT 18 | SQ. IN. EA. = 108 SQ. IN. |
| TOTAL VENTILATION PROVIDED: | 177 SQ. IN. |



PARTIAL ROOF PLAN



PARTIAL SLAB INTERFACE PLAN



PARTIAL FIRST FLOOR PLAN

| ELEVATION NOTES | |
|--------------------------------|------------------------------------------------------------------------------------------------|
| NOTE: NOT ALL KEY NOTES APPLY. | |
| 1. | ROOF MATERIAL - REFER TO ROOF NOTES |
| 2. | 2X FASCIA/BARGE BOARD WITH FASCIA CAP |
| 3. | 6.1. FLASHING |
| 4. | 6.1. FLASHING & SADDLE/CRICKET |
| 5. | 6.1. DRIP SCREED |
| 6. | 24"x24" CHIMNEY |
| 7. | DECORATIVE VENT |
| 8. | DECORATIVE CORBEL |
| 9. | DECORATIVE SHUTTERS |
| 10. | PEDIMENT. SEE ELEVATION FOR TYPE |
| 11. | RECESSED ELEMENT |
| 12. | DECORATIVE TRIM FYPON OR EQ. SEE ELEVATION FOR TYPE |
| 13. | TRIM PER SPEC - SEE ELEVATION FOR SIZE |
| 14. | 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 IV 4" CORNER TRIM PER SPECS |
| 25. | P.T. POST IV 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. | |
| 21. | 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 V. WALL BELOW |
| 41. | LINE OF FLOOR ABOVE |
| 48. | LINE OF FLOOR BELOW |
| 50. | A/C PAD LOCATION |
| 51. | LOW WALL - REFER TO PLAN FOR HEIGHT |
| 52. | 2x6 STUD WALL |
| 54. | DEL. 2x4 WALL PER PLAN |
| 55. | INTERIOR SHELF - REFER TO PLAN FOR HEIGHT |
| 57. | FLAT SOFFIT |
| 58. | ARCHED SOFFIT |
| 60. | OPT. DOOR / WINDOW |
| 61. | PRE-MANUFACTURED DECORATIVE COLUMN (SIZE, SEE ELEV.) FYPON OR EQ. SURROUNDING STRUCTURAL POST. |
| 62. | BRICK / STONE VENEER - REFER TO ELEVATIONS |
| 63. | SECTIONAL GARAGE DOOR PER SPECS |
| 66. | 3" DIAM. CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE. (NOT REQUIRED AT ELECTRIC WATER HEATERS OR FOR APPLIANCES LOCATED OUT OF THE VEHICLE'S NORMAL TRAVEL PATH) |
| 68. | P.T. POST IV WRAP. |
| 70. | EGRESS WINDOW |
| 75. | WINDOW LEDGE. HEIGHT & WIDTH OF OPENING TO EXTEND 6" BEYOND WINDOW(S) ON ALL SIDES U.N.O. |
| 76. | SITE-BUILT COLUMN - SEE ELEVATION FOR TYPE |
| 77. | CONCRETE SLAB. SLOPE 1/4" PER FT. MIN. SEE PLAN FOR SITE |

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

NORTH CAROLINA 40' SERIES

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| 11 | DIVISION REVISION | NC13654NCP - 08/28/19 - FAE |
| 12 | DIVISION REVISION | NC19677NCP - 09/26/19 - FAE |
| 13 | DIVISION REVISION | NC20003NCP - 12/19/19 - CL |
| 14 | VENTILATION | NC20008NCP - 01/17/20 - CL |
| 15 | DIVISION REVISION | NC20013NCP - 02/10/20 - MCP |
| 16 | DIVISION REVISION | NC20017NCP - 03/04/20 - KBA |
| 17 | HOME OFFICE CORP | NC20093CORP-08/20/20-CTD |

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PLAN: 238.2338

SHEET: 91

SPEC. LEVEL 1

RALEIGH-DURHAM 40' SERIES

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

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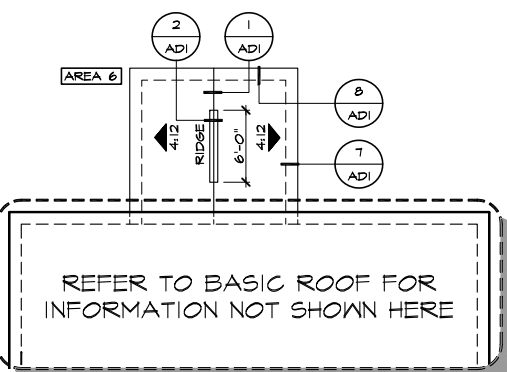


PARTIAL RIGHT ELEVATION

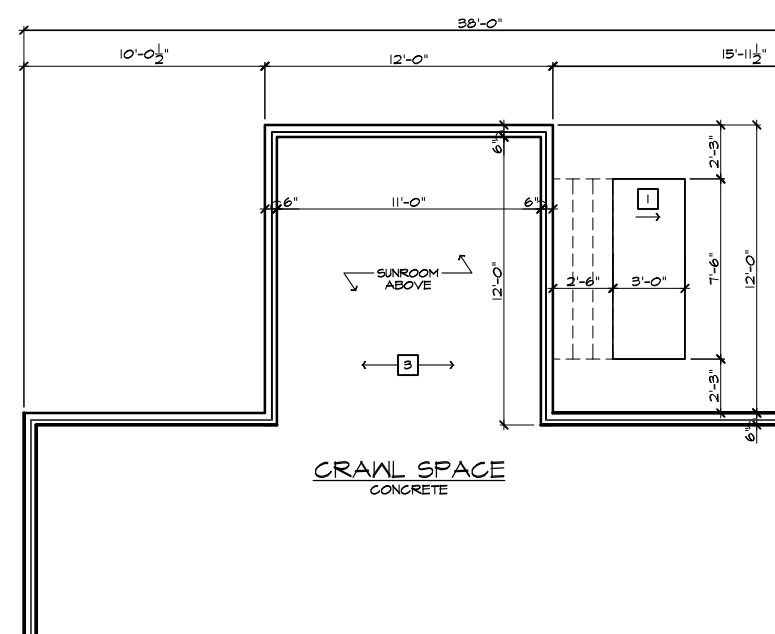
PARTIAL REAR ELEVATION

PARTIAL LEFT ELEVATION

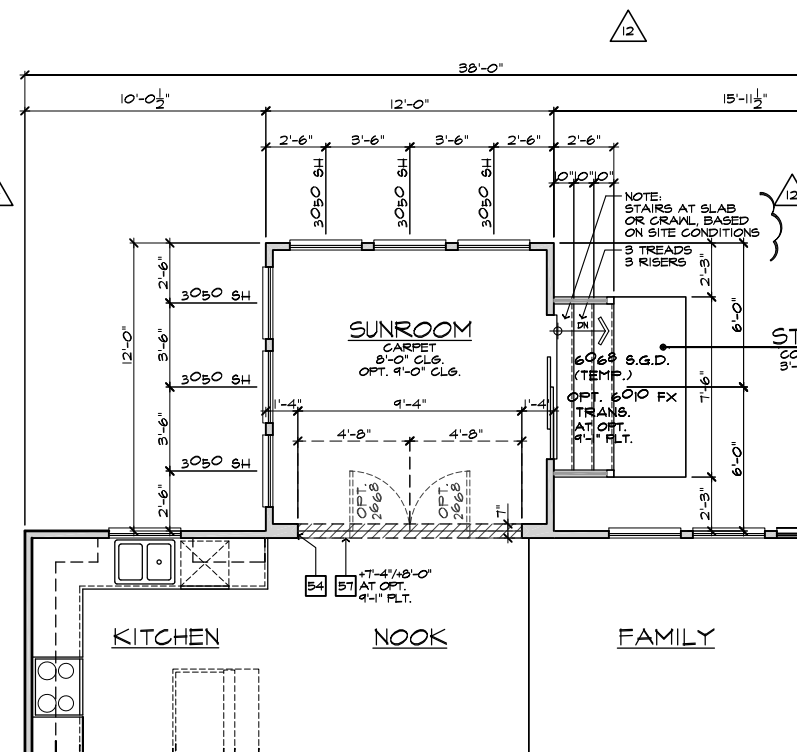
| ROOF PLAN NOTES | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| | 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) | |
| * CALCULATION BY 1/150, HIGH/LOW VENTING NOT REQUIRED. | |
| AREA 5 / MAIN IV SUNROOM: | |
| VENTILATION REQUIRED: | |
| ATTIC AREA = 144 | SQ. FT. / 150 = 0.96 SQ. FT. |
| | X 144 = 138 SQ. IN. |
| | TOTAL HIGH & LOW = 138 SQ. IN. |
| VENTILATION PROVIDED: | |
| 20 | LF VENTILATED SOFFIT AT 6.9 SQ. IN. / LF. = 138 SQ. IN. |
| 4 | LF RIDGE VENT(S) AT 18 SQ. IN. EA. = 72 SQ. IN. |
| TOTAL VENTILATION PROVIDED: | 210 SQ. IN. |



PARTIAL ROOF PLAN



PARTIAL CRAWL SPACE PLAN



PARTIAL FIRST FLOOR PLAN

SUNROOM AT CRAWL SPACE

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

ELEVATION NOTES

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

SLAB PLAN NOTES

- NOTE: NOT ALL KEY NOTES APPLY.
1. CONCRETE PATIO/PORCH SLAB PER STRUCTURAL- SLOPE 1/4" PER FT. MIN.
 2. CONCRETE GARAGE SLAB PER STRUCTURAL- SLOPE 1/8" PER 1'-0" MIN. TOWARD DOOR OPENINGS.
 3. CONCRETE FOUNDATION PER STRUCTURAL.
 4. CONCRETE STOOP: 36"X36" STANDARD SLOPE 1/4" PER FT. MIN.
 5. CONCRETE DRIVEMAY SLOPE 1/4" PER FT. MIN. AWAY FROM GARAGE DOOR OPENINGS.
 6. PROVIDE ELECTRICAL CONDUIT UNDER SLAB AT ISLAND. VERIFY LOCATION.
 7. 5" BRICK LEDGE FOR MASONRY VENEER.
 8. 3" DIAMETER CONCRETE FILLED PIPE BOLLARD 36" HIGH WITH MIN. 12" EMBEDMENT INTO CONCRETE.
 9. REFER TO CIVIL DRAWINGS FOR ALL FINISH SURFACE ELEVATIONS.
 10. VERIFY ALL PLUMBING STUB DIMENSIONS SHOWN HERE PRIOR TO POOL SLAB
 11. 4" MIN. 3/4" MAX. TO HARD SURFACE.
 12. A/C PAD. VERIFY LOCATION.
 13. 36" WIDE WALKWAY- SLOPE 1/4" PER FT. MIN.

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

NOTE: REFER TO BASIC ELEVATIONS FOR INFORMATION NOT SHOWN HERE

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

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



NORTH CAROLINA 40' SERIES

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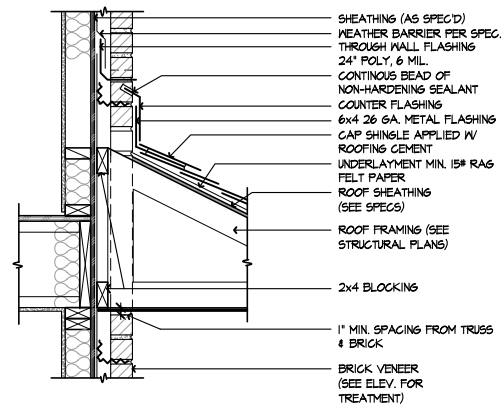
- 11 DIVISION REVISION NC13654NCP - 08/28/19 - FAB
- 12 DIVISION REVISION NC19657NCP - 09/26/19 - FAB
- 13 DIVISION REVISION NC20003NCP - 12/19/19 - CL
- 14 VENTILATION NC20008NCP - 01/17/20 - CL
- 15 DIVISION REVISION NC20013NCP - 02/10/20 - MCP
- 16 DIVISION REVISION NC20017NCP - 03/04/20 - KBA
- 17 HOME OFFICE CORP20093CORP-08/20/20-CTD

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PLAN: 238.2338

SHEET: 9.2

SPEC. LEVEL 1 RALEIGH-DURHAM 40' SERIES

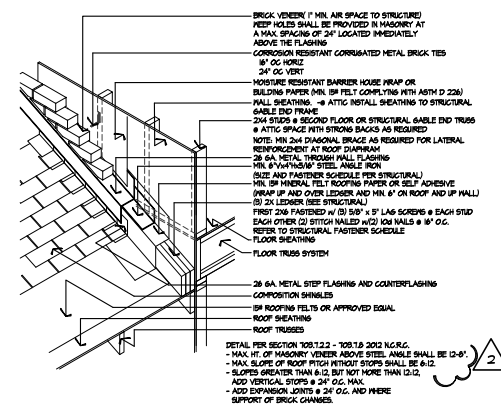


BRICK THROUGH ROOF

SCALE 1/4"=1'-0"

SE-01017a

17

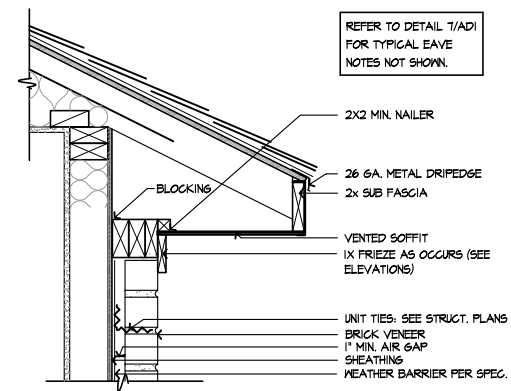


BRICK OVER ROOF

SCALE NTS

SE-2D 150

13

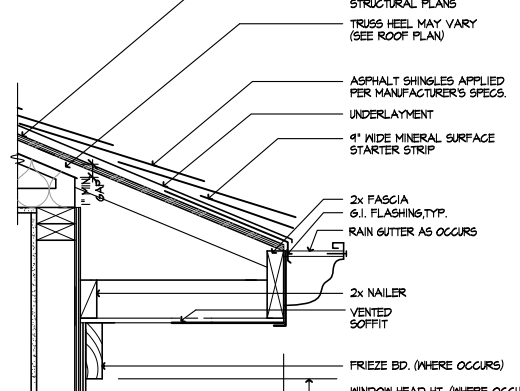


EAVE - BRICK

SCALE 1/2"=1'-0"

SE-01018b

18

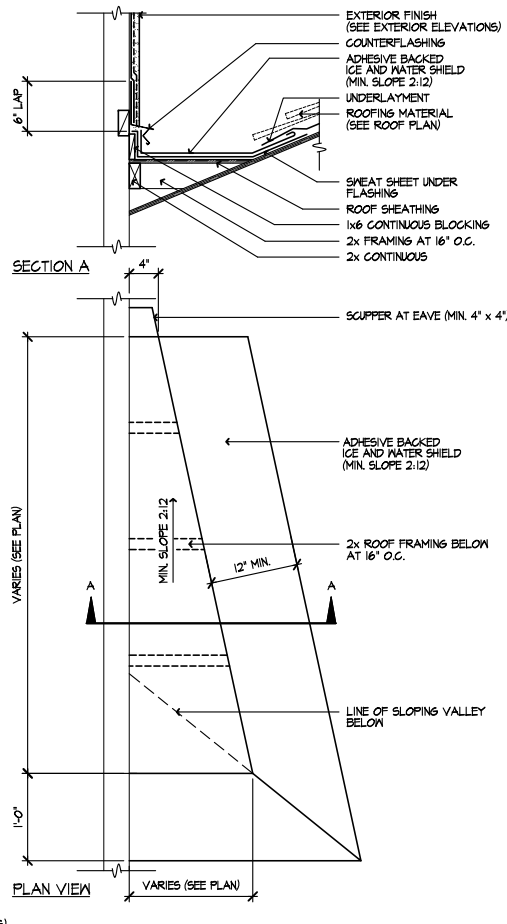


EAVE

SCALE 1/2"=1'-0"

07B2-13g

14



CRICKET

SCALE 1/4"=1'-0"

07B2-10

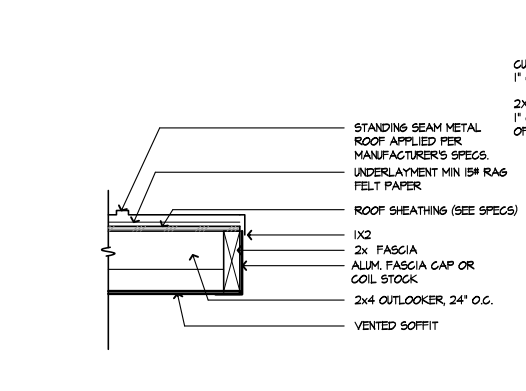
10

EAVE @ METAL ROOF

SCALE 1/2"=1'-0"

SE-05091a

5



RAKE @ METAL ROOF

SCALE 1/2"=1'-0"

SE-05098a

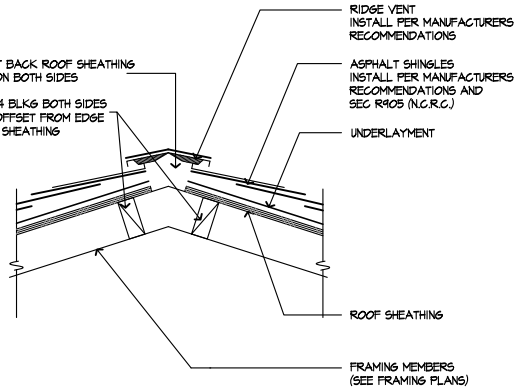
6

RIDGE

SCALE 1/2"=1'-0"

SE-01001a

1

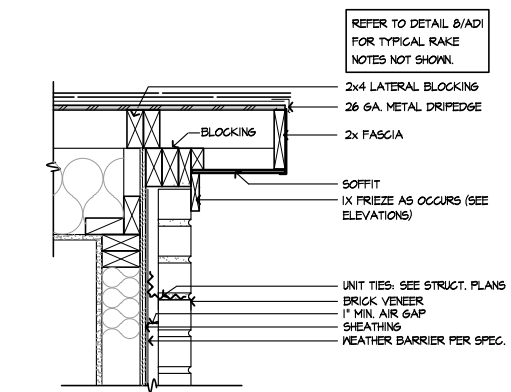


RIDGE VENT

SCALE 1/2"=1'-0"

SE-01002a

2

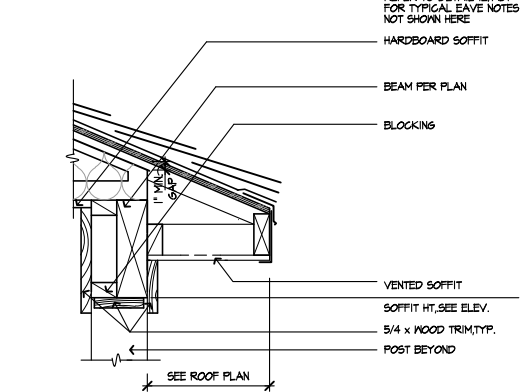


RAKE - BRICK

SCALE 1/2"=1'-0"

SE-01019b

19

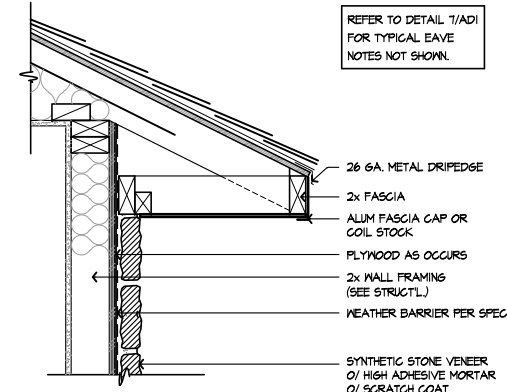


PORCH EAVE

SCALE 1/2"=1'-0"

EVPRCH

15

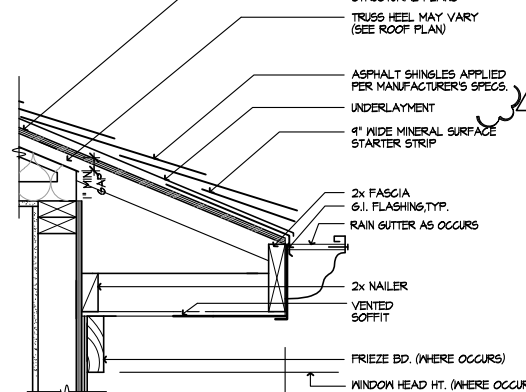


EAVE - STONE

SCALE 1/2"=1'-0"

SE-01011a

11

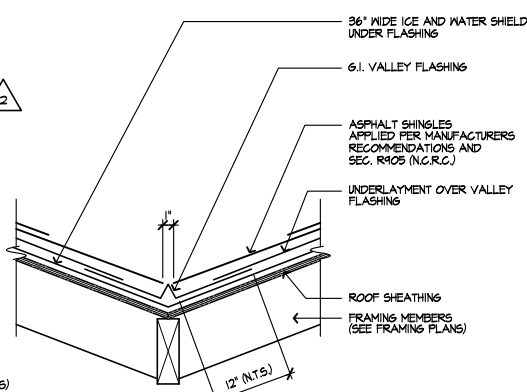


EAVE

SCALE 1/2"=1'-0"

07B2-13g

7

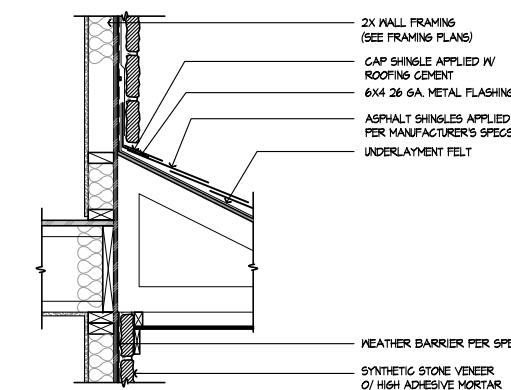


VALLEY

SCALE 1/2"=1'-0"

SE-01003a

3

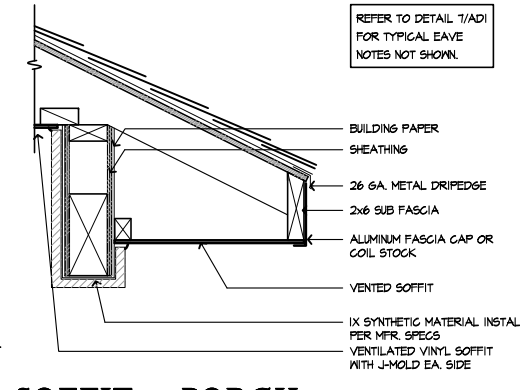


STONE TO ROOF

SCALE 1/4"=1'-0"

SE-01020a

20

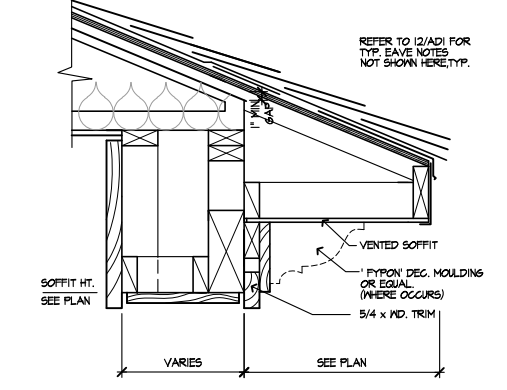


SOFFIT @ PORCH - SYNTHETIC MATERIAL

SCALE 1/2"=1'-0"

SE-01016b

16

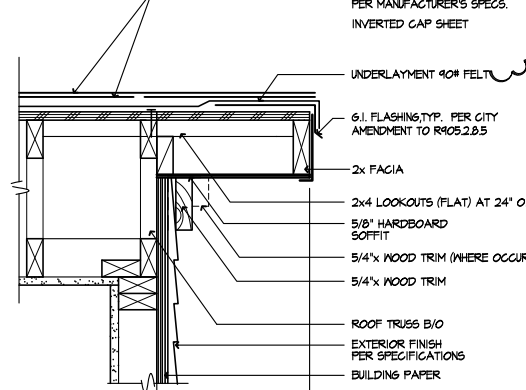


EAVE AT PORCH

SCALE 1/2"=1'-0"

EVPRCH2

12

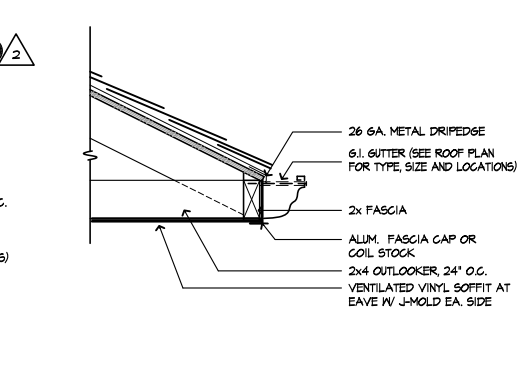


RAKE

SCALE 1/2"=1'-0"

07B2-04g

8



TYPICAL EAVE GUTTER

SCALE 1/2"=1'-0"

SE-01004a

4



DETAILS

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ISSUE DATE: 09/28/11
PROJECT No.: 1350
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REVISIONS: 01/15/20

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- 4 2018 NC CODE UPDATE
NC19015 - 01/24/19 - MCP
- 5 DETAIL UPDATE
NC20001NCF - 01/15/20 - MCP

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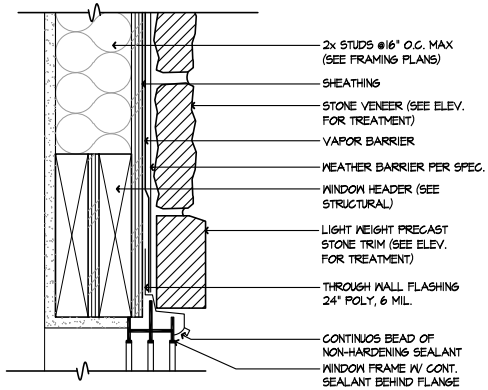
REVIEWED BY:

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PLAN: **ALL**

SHEET: **AD1**

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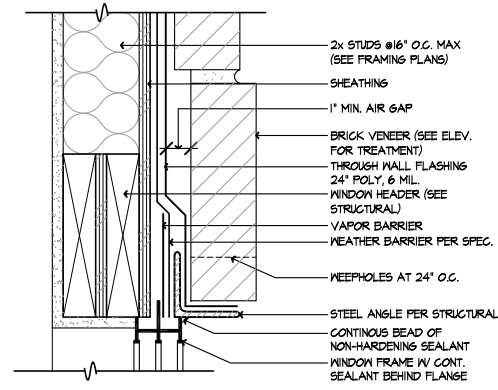


WINDOW HEAD - STONE

SCALE 3/8"=1'-0"

SE-02096a

37

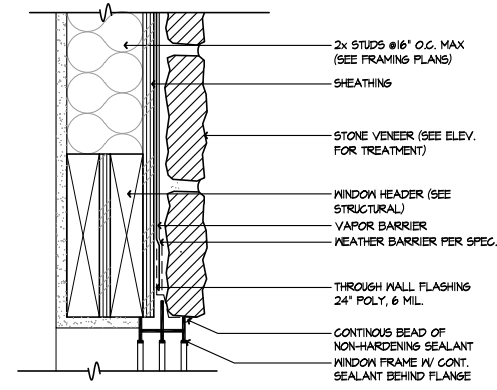


WINDOW HEAD - BRICK

SCALE 3/8"=1'-0"

SE-02096a

33

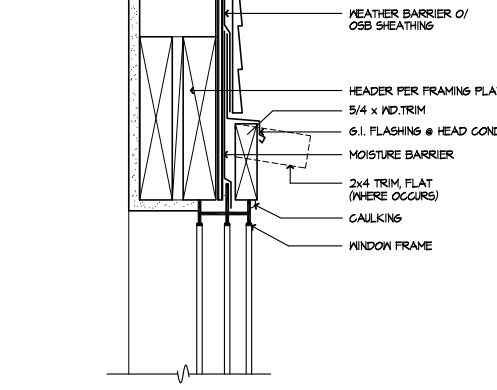


WINDOW HEAD - STONE

SCALE 3/8"=1'-0"

SE-02029a

29



WINDOW HEAD

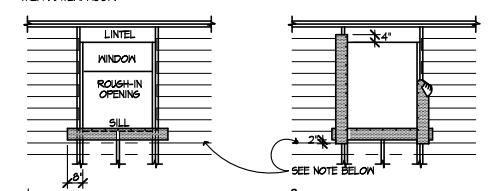
SCALE 3/8"=1'-0"

0850-01J

25

WINDOW FLASHING

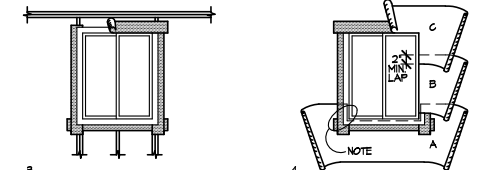
EXTERIOR OPENINGS EXPOSED TO THE WEATHER SHALL BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WATERPROOF.



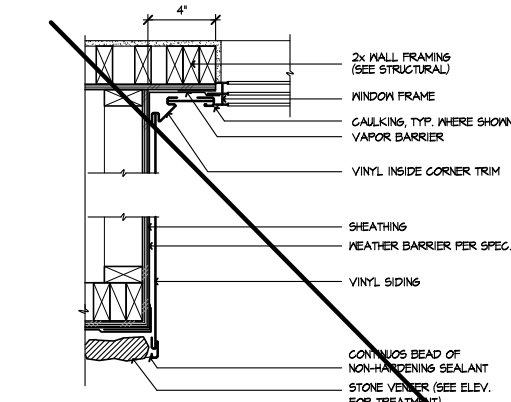
1. ATTACH SILL STRIP WITH TOP EDGE LEVEL WITH ROUGH SILL - EXTEND BEYOND EDGE OF ROUGH OPENING AT LEAST 8". SECURE ALL MOISTOP (OR EQUAL) WITH GALVANIZED NAILS OR POWER-DRIVEN STAPLES.
2. ATTACH JAMB STRIP WITH SIDE EDGE EVEN WITH ROUGH JAMB FRAMING. START STRIP 1" BELOW LOWER EDGE OF SILL STRIP AND EXTEND 4" ABOVE LOWER EDGE OF LINTEL OR POWER-DRIVEN STAPLES.

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

1. WIRE GAUGE, SPACING, AND ATTACHMENT SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF BUILDING DEPT. ITEMS 25-1.
2. PERIPHERAL FLASHINGS 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 (5/8" ETC.) OVER JAMB AND HEAD FLANGES, LAPPING EACH COURSE.

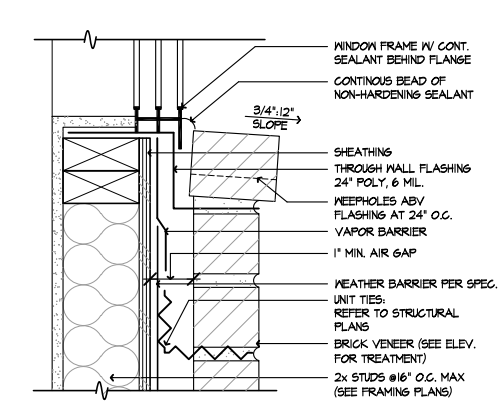


RECESSED WINDOW JAMB - STONE

SCALE 1/2"=1'-0"

SE-02098a

38

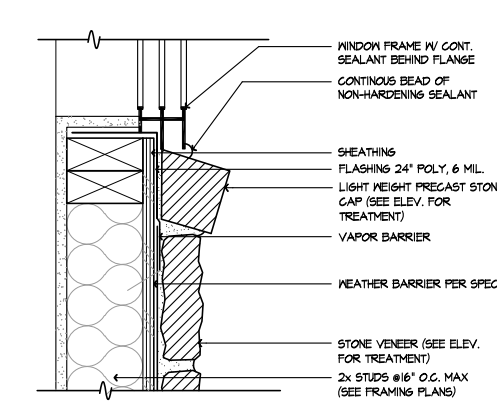


WINDOW SILL - BRICK

SCALE 3/8"=1'-0"

SE-02094a

34

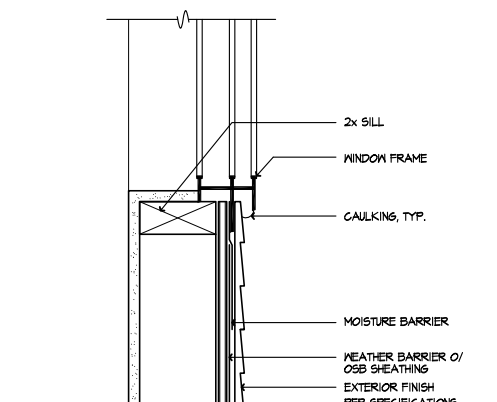


WINDOW SILL - STONE

SCALE 3/8"=1'-0"

SE-02090a

30



WINDOW SILL

SCALE 3/8"=1'-0"

0850-111

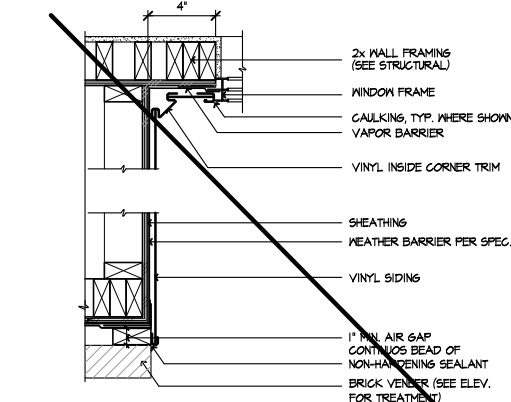
26

VAPOR BARRIER

SCALE 1/4"=1'-0"

SE-02022a

22

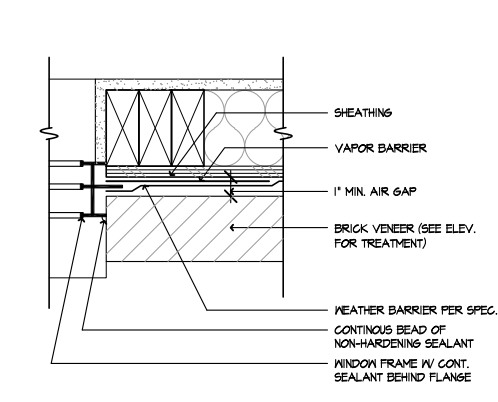


RECESSED WINDOW JAMB - BRICK

SCALE 1/2"=1'-0"

SE-02099a

39

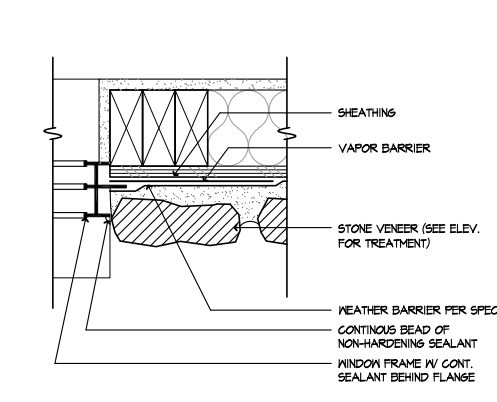


WINDOW JAMB - BRICK

SCALE 3/8"=1'-0"

SE-02095a

35

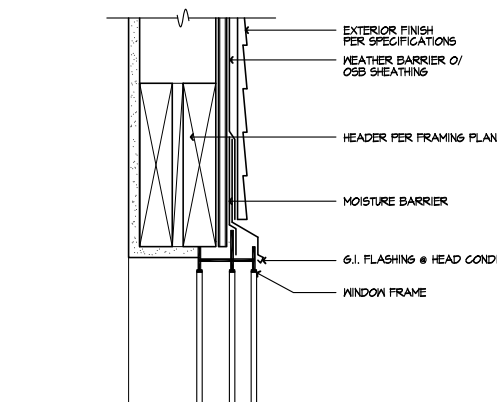


WINDOW JAMB - STONE

SCALE 3/8"=1'-0"

SE-02091a

31



WINDOW HEAD

SCALE 3/8"=1'-0"

0850-15

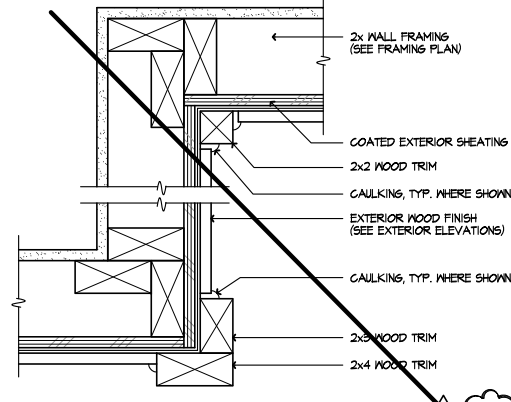
27

WINDOW JAMB

SCALE 3/8"=1'-0"

0850-02s

23

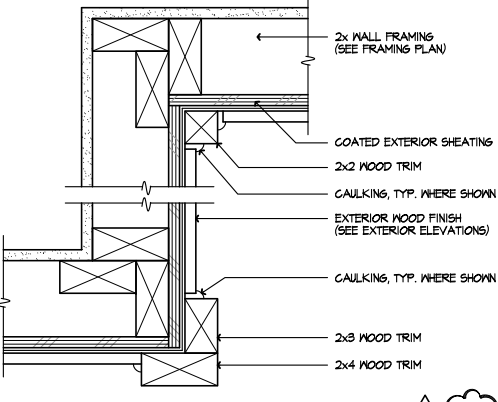


SIDING - CORNER. TRIM

SCALE 3/8"=1'-0"

0746-02

40

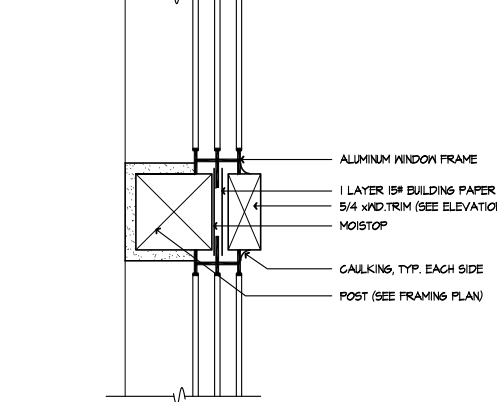


SIDING - CORNER. TRIM

SCALE 3/8"=1'-0"

0746-02

36

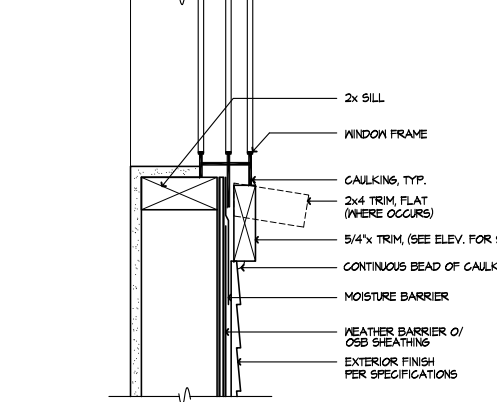


VERT. WINDOW MULL.

SCALE 3/8"=1'-0"

0850-04a

32



WINDOW SILL

SCALE 3/8"=1'-0"

0850-02s

28

WINDOW JAMB

SCALE 3/8"=1'-0"

0850-02s

24



DETAILS

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NC19015 - 01/24/19 - MCP
- 5 DETAIL UPDATE
NC20001NCP - 01/15/20 - MCP

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PLAN: **ALL**
SHEET: **AD2**



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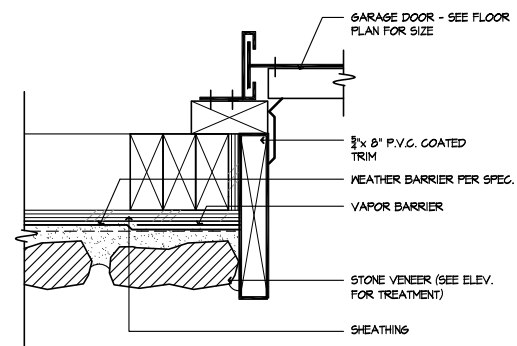
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| 6. | |

PLAN: **ALL**
SHEET: **AD3**

GARAGE DOOR HEAD - STONE

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

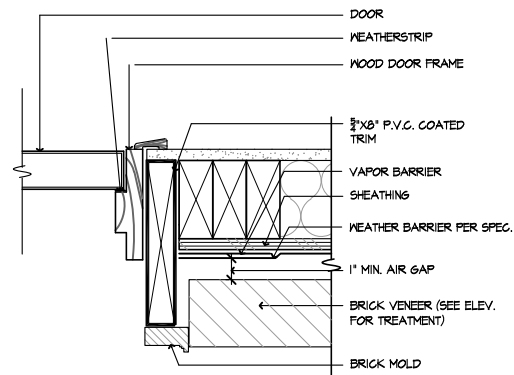
57



DOOR HEAD - BRICK

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

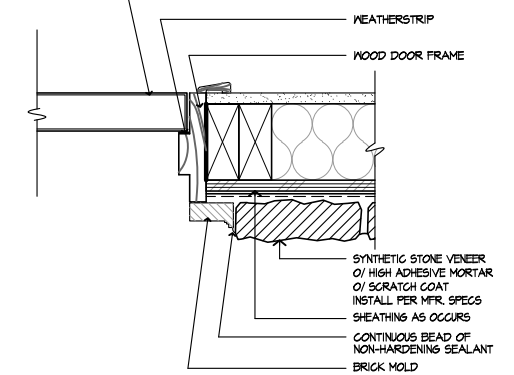
53



DOOR HEAD - STONE

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

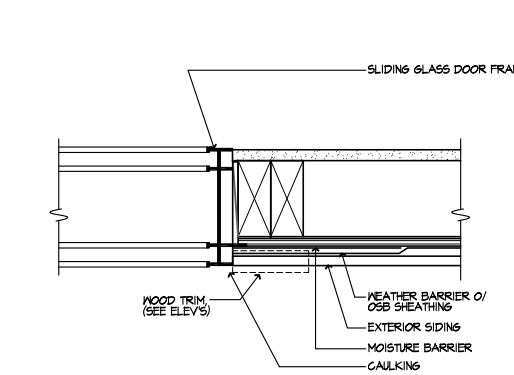
49



SLIDING DR. HEAD

SCALE 3"=1'-0" 0840-03b

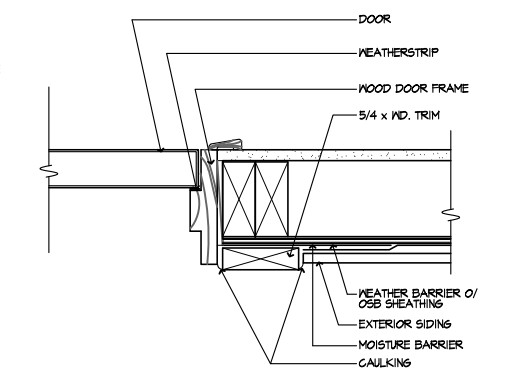
45



DOOR HEAD

SCALE 3"=1'-0" 0840-01b

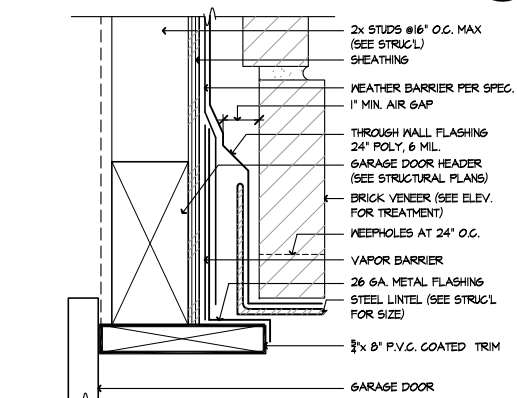
41



GARAGE DOOR JAMB - STONE

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

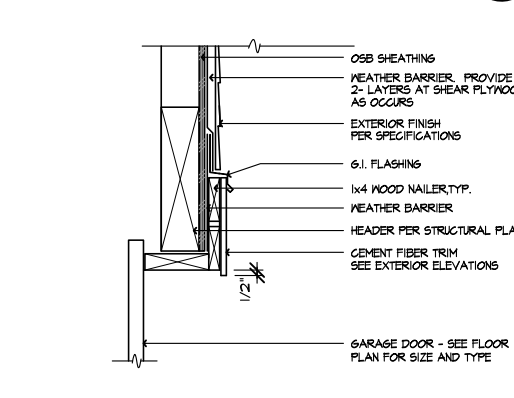
58



DOOR JAMB - BRICK

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

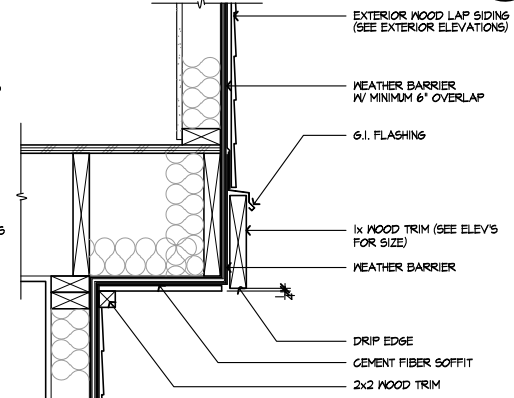
54



DOOR JAMB - STONE

SCALE 3"=1'-0" SE-03050a

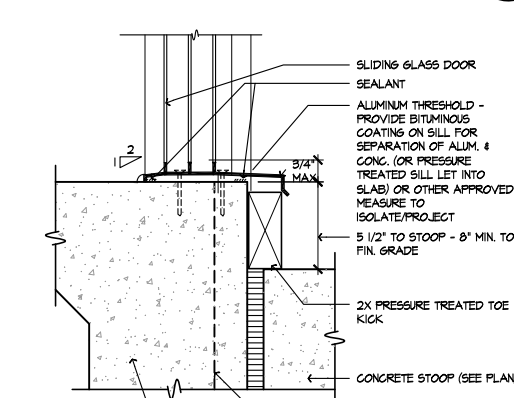
50



SLIDING DOOR JAMB

SCALE 3"=1'-0" 0840-03c

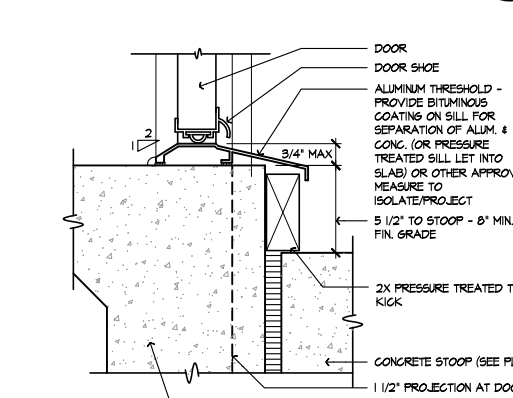
46



DOOR JAMB

SCALE 3"=1'-0" 0840-01c

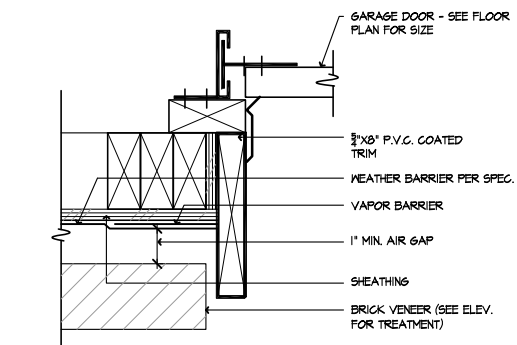
42



GARAGE DOOR HEAD - BRICK

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

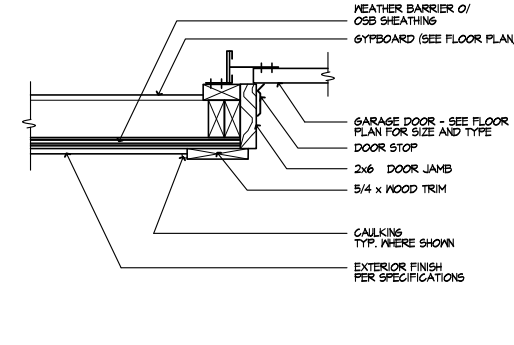
59



GARAGE DOOR HEAD

SCALE 1 1/2"=1'-0" 0420-39c

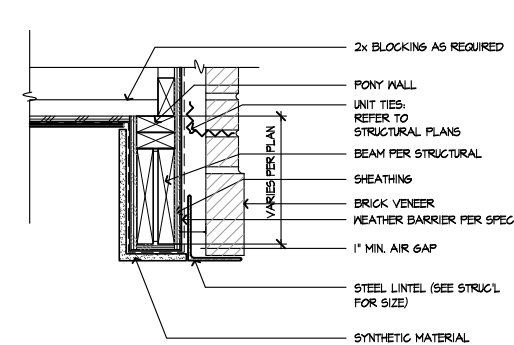
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TRIM @ CANTILEVER

SCALE 1 1/2"=1'-0" 04CANTMP

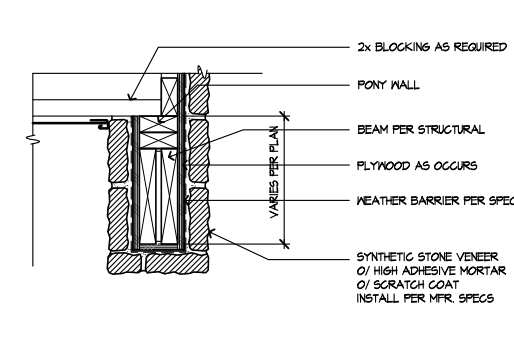
51



SLDg. DOOR THRESHOLD

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

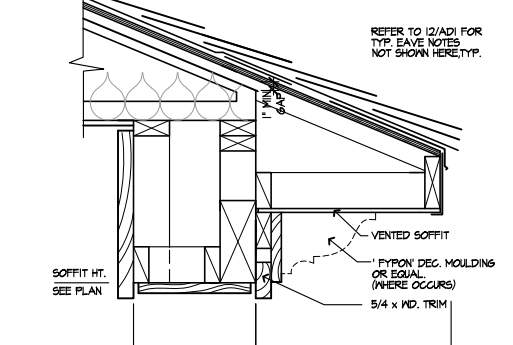
47



SWING DOOR THRESHOLD

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

43



GARAGE DOOR JAMB - BRICK

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

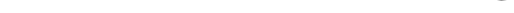
60



GARAGE DOOR JAMB

SCALE 1 1/2"=1'-0" 0745-01

56



SOFFIT @ PORCH - BRICK

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

52



SOFFIT @ PORCH - STONE

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

48



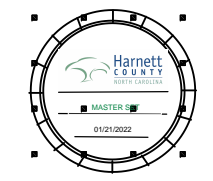
EAVE AT PORCH

SCALE 1 1/2"=1'-0" EYPRCH2

44



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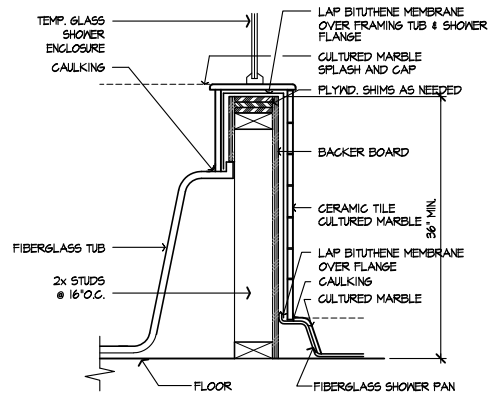
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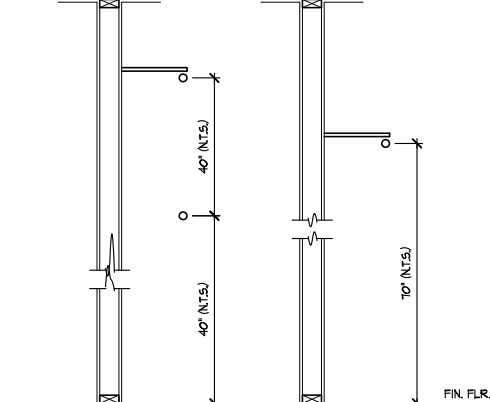
- 1 COMPLIANCE REVIEW
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NC15953 - 11/15 - DC3
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NC19015 - 01/24/19 - MCP
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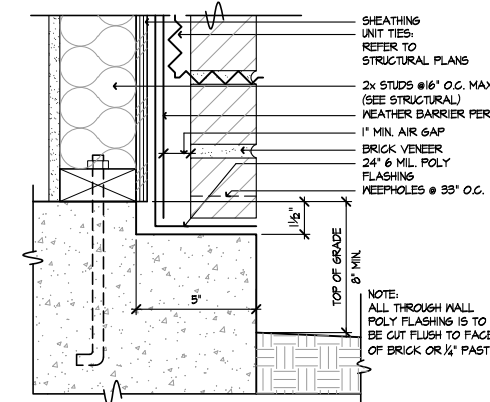
PLAN:
ALL
SHEET:
AD4



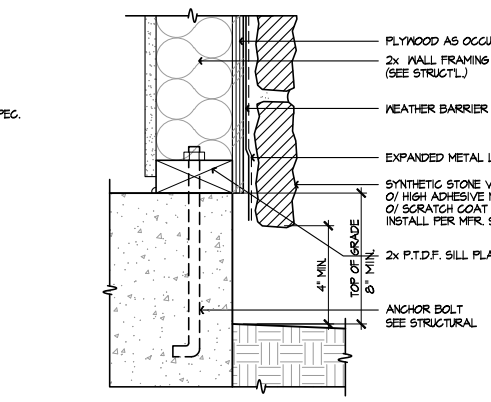
TUB/SHOWER WALL
SCALE 1 1/2"=1'-0"
SE-04071a



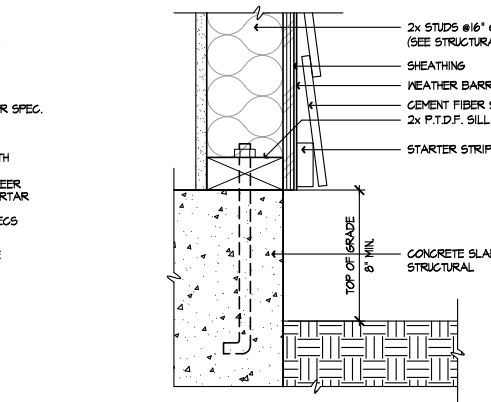
DBL./SGL. POLE & SHELF
SCALE 3/4"=1'-0"
SE-04073a



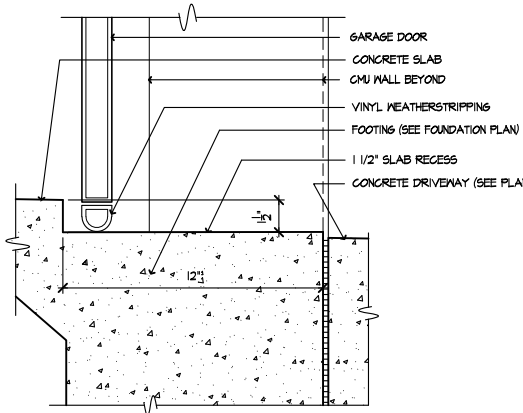
BRICK LEDGE AT SLAB
SCALE 3"=1'-0"
SE-04069a



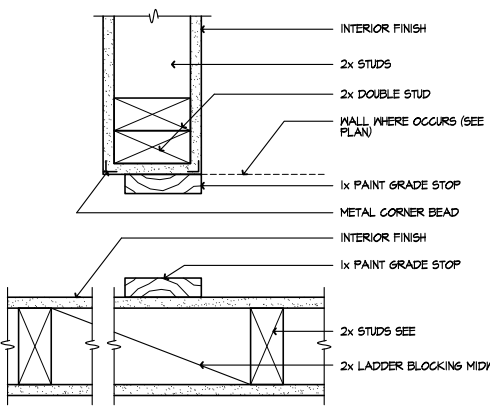
SYN. STONE SCREED
SCALE 3"=1'-0"
SE-04065a



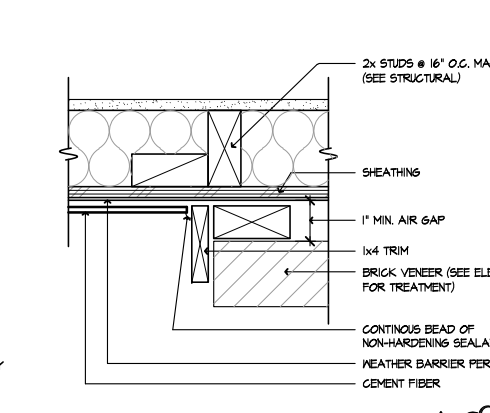
SIDING AT SLAB
SCALE 3"=1'-0"
SE-04061a



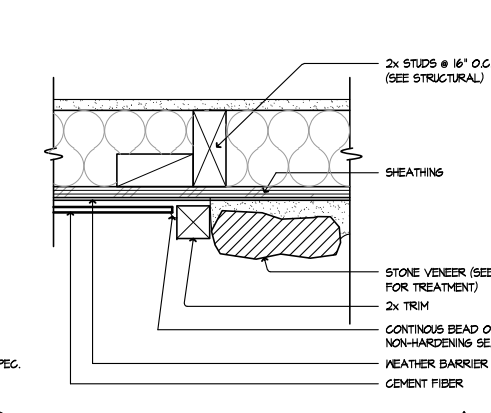
GARAGE SLAB RECESS
SCALE 1 1/2"=1'-0"
0810-01



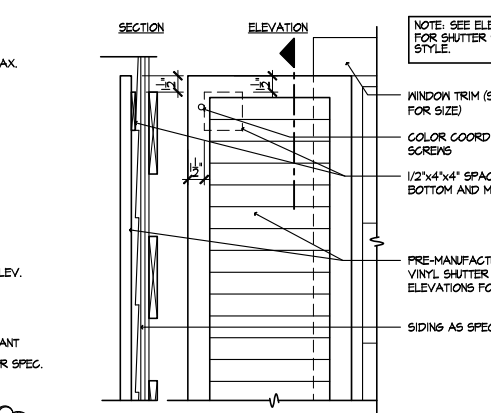
WARDROBE DOOR JAMB
SCALE 3"=1'-0"
SE-04074a



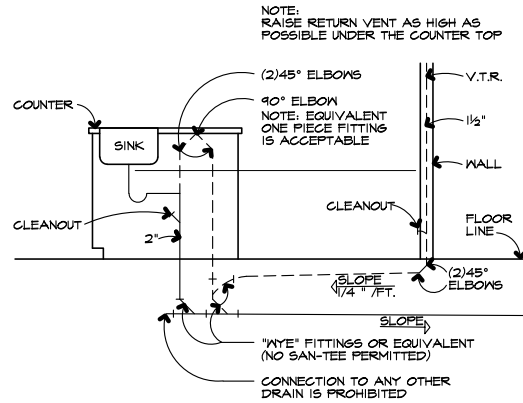
SIDING TO BRICK
SCALE 3"=1'-0"
SE-04070a



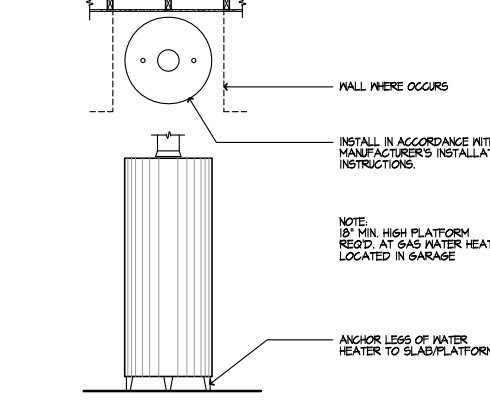
SIDING TO STONE
SCALE 3"=1'-0"
SE-04066a



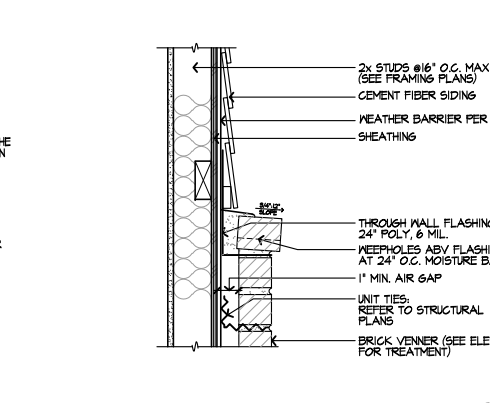
WINDOW SHUTTER
SCALE 1 1/2"=1'-0"
SE-04062a



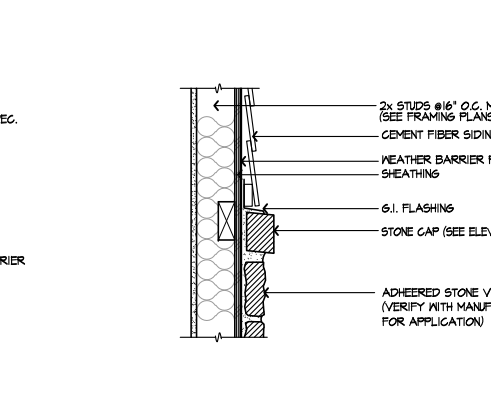
KITCHEN ISLAND
SCALE 1/2"=1'-0"
SE-04079a



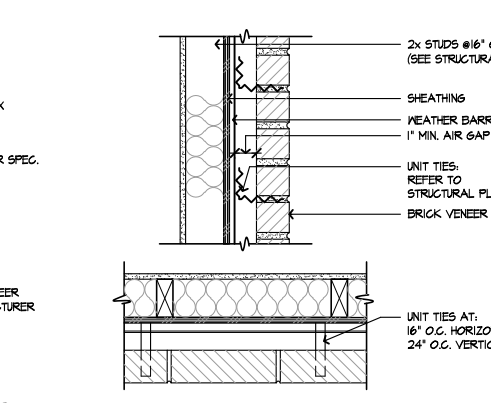
WATER HEATER
SCALE 1/2"=1'-0"
SE-04075a



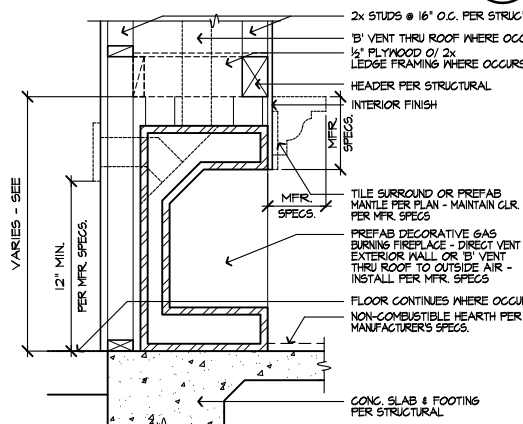
BRICK CAP @ SIDING
SCALE 1 1/2"=1'-0"
SE-04071a



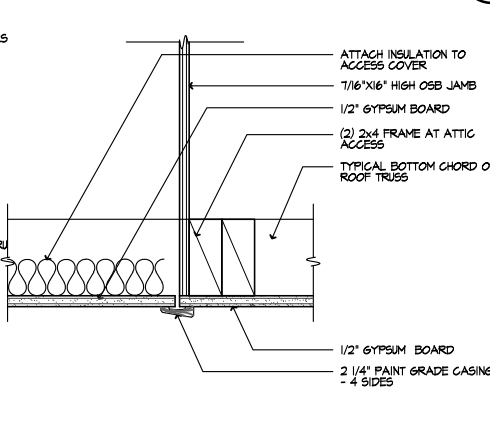
STONE CAP @ SIDING
SCALE 1 1/2"=1'-0"
SE-04067a



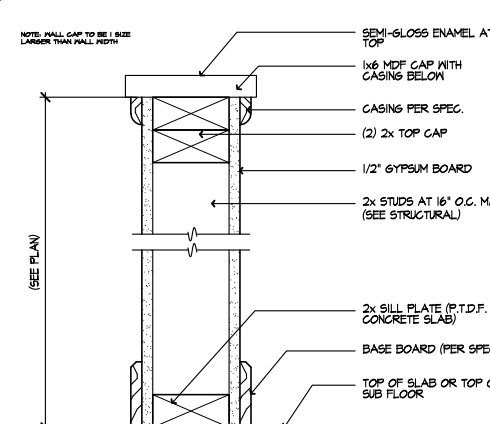
BRICK TIES
SCALE 1 1/2"=1'-0"
SE-04063a



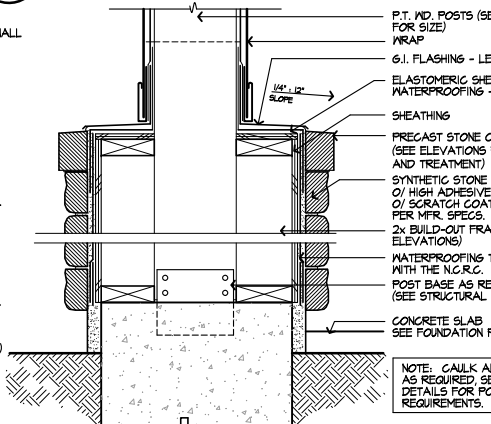
DECORATIVE GAS APPLIANCE
SCALE 1"=1'-0"
SE-04080a



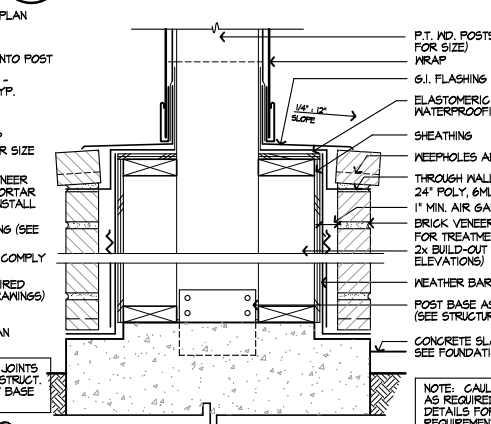
ATTIC ACCESS
SCALE 3"=1'-0"
SE-04076a



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

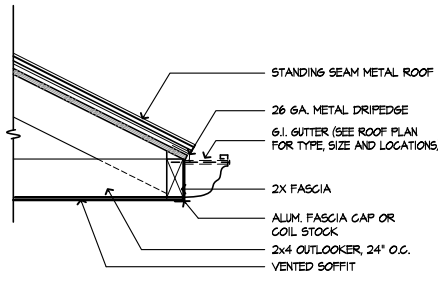


COLUMN BASE W/ STONE
SCALE 1 1/2"=1'-0"
SE-04068a



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

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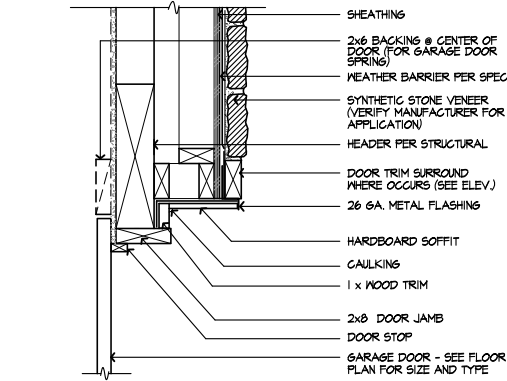


EAVE @ METAL ROOF

SCALE 1/2"=1'-0"

SE-05041a

97

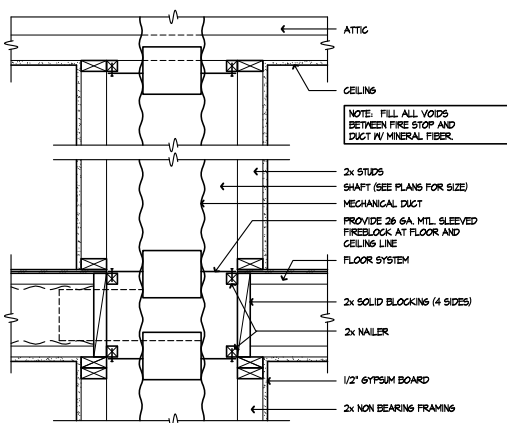


GARAGE DOOR HEAD - STONE

SCALE 1/2"=1'-0"

SE-05043a

93

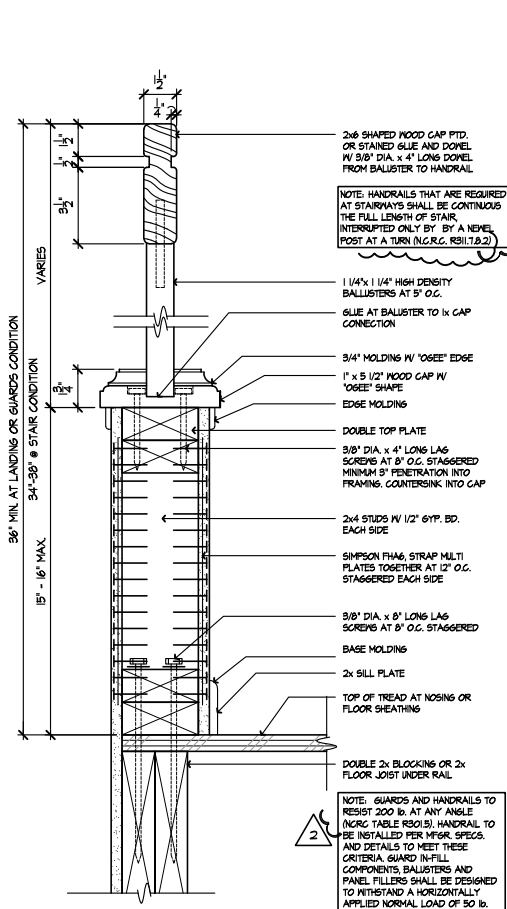


TYP. SHAFT AT 2nd FLR.

SCALE 1"=1'-0"

SE-05044a

89

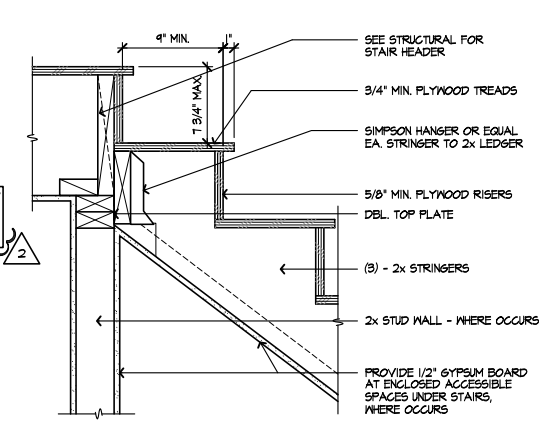


GUARDRAIL

SCALE 3/4"=1'-0"

SE-05086a

86

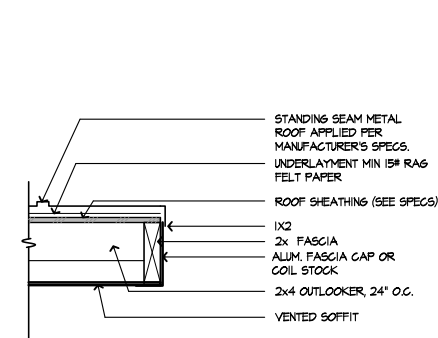


STAIR AT LANDING

SCALE 1/2"=1'-0"

SE-05091a

81

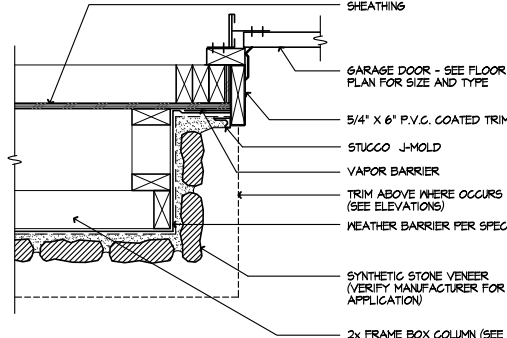


RAKE @ METAL ROOF

SCALE 1/2"=1'-0"

SE-05048a

98

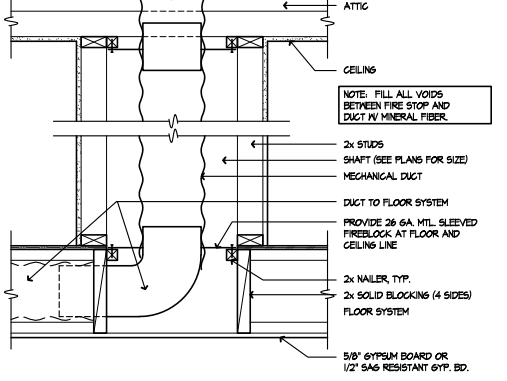


GARAGE DOOR JAMB - STONE

SCALE 1/2"=1'-0"

SE-05049a

94

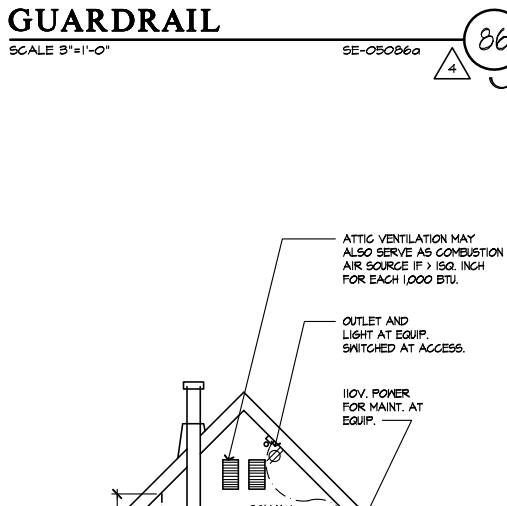


TYP. SHAFT AT 2nd FLR.

SCALE 1"=1'-0"

SE-05049a

90

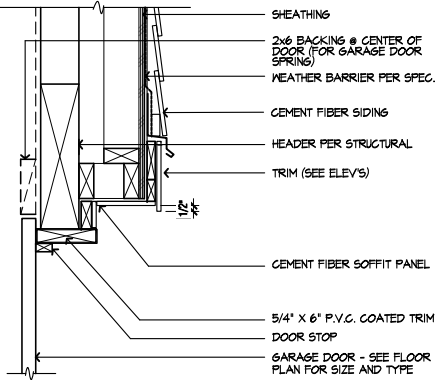


STAIR AT CONC. FLOOR

SCALE 1/2"=1'-0"

SE-05082a

82

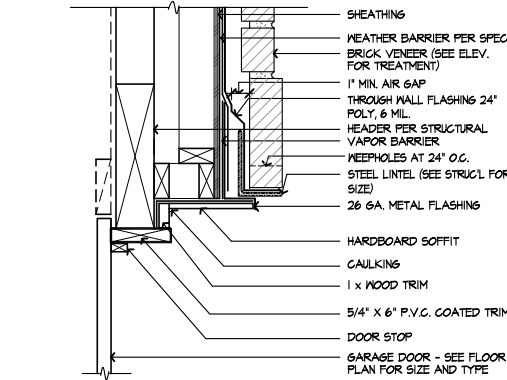


GARAGE DOOR HEAD - BRICK

SCALE 1/2"=1'-0"

SE-05049a

99

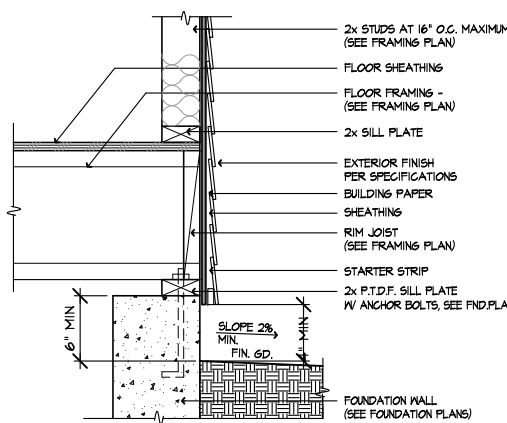


GARAGE DOOR JAMB - BRICK

SCALE 1/2"=1'-0"

SE-05049a

95

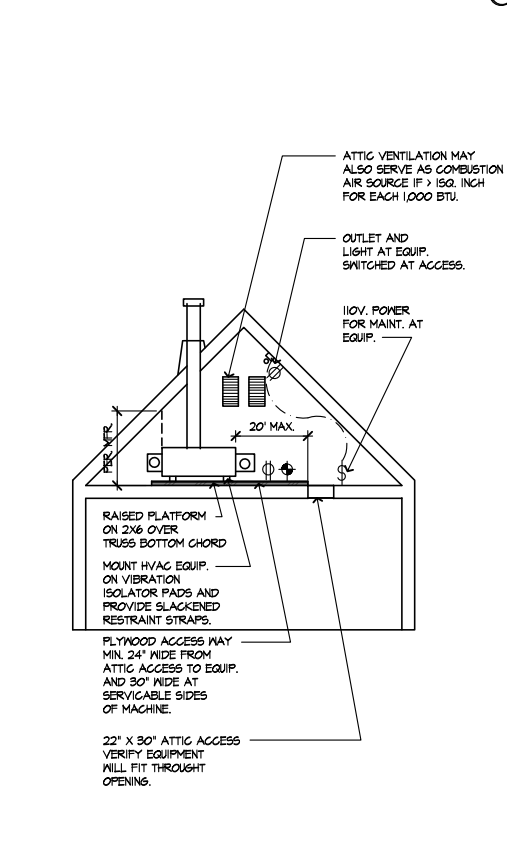


SIDING AT RAISED FLOOR

SCALE 1/2"=1'-0"

AD5-91B

91

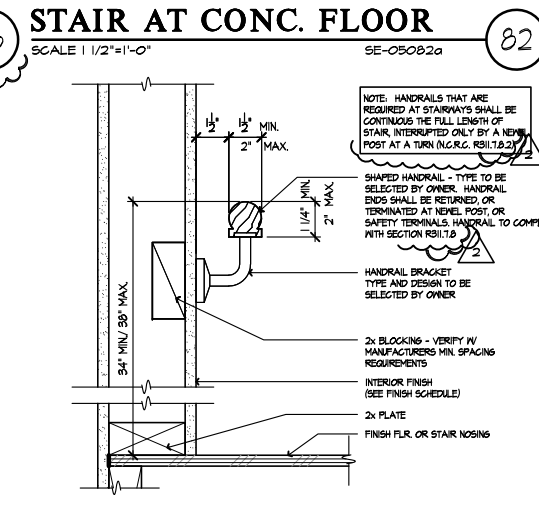


F.A.U. IN ATTIC

SCALE 1/2"=1'-0"

SE-05088a

88

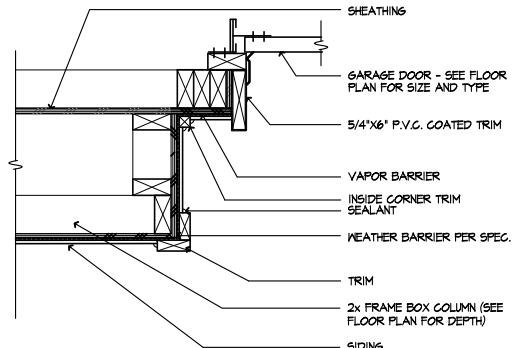


HANDRAIL AT WALL

SCALE 3/4"=1'-0"

SE-05083a

83

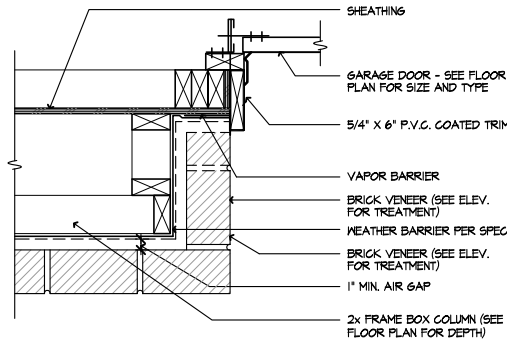


GARAGE DOOR JAMB - BRICK

SCALE 1/2"=1'-0"

SE-05100a

100

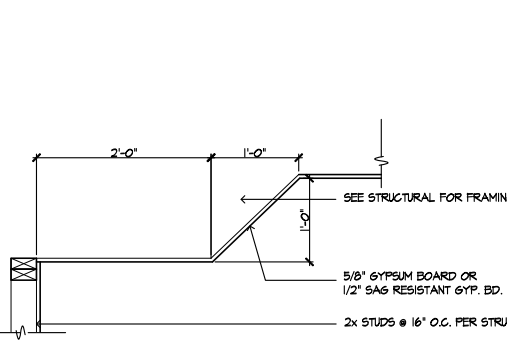


GARAGE DOOR HEAD - BRICK

SCALE 1/2"=1'-0"

SE-05046a

96

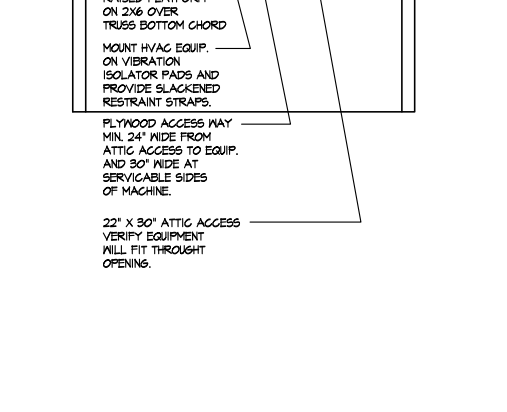


TRAY CEILING

SCALE 1"=1'-0"

SE-05092a

92

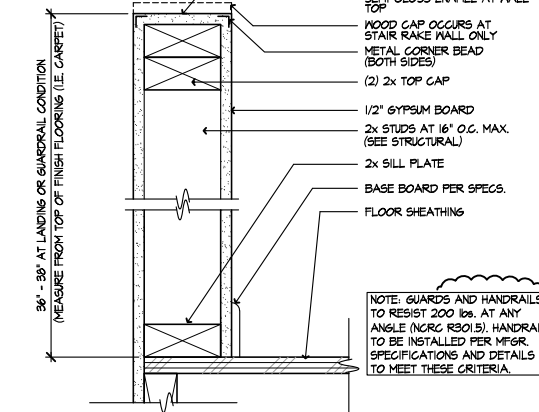


GUARDWALL

SCALE 1/2"=1'-0"

SE-05088a

88

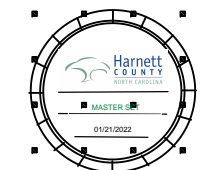


GUARDWALL

SCALE 3/4"=1'-0"

SE-05084a

84



DETAILS

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ISSUE DATE: 09/28/11
PROJECT No.: 1350
DIVISION MGR.: M.C.P.
REVISIONS: 01/15/20

- 1 COMPLIANCE REVIEW
NC12006 - 02/28/12 - CTD
- 2 2012 NC CODE UPDATE
NC12016 - 03/22/12 - CTD
- 3 DETAIL UPDATES
NC15933 - 11/13/13 - DCS
- 4 2018 NC CODE UPDATE
NC19013 - 01/24/19 - MCF
- 5 DETAIL UPDATE
NC20001MCF - 01/15/20 - MCF

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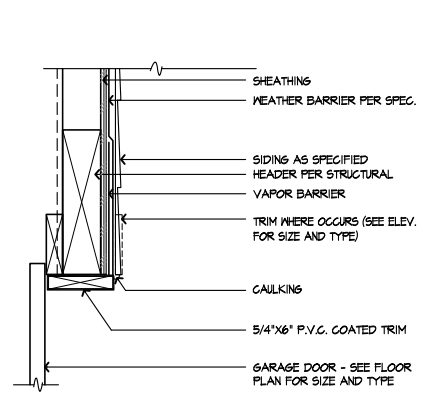
| REVISION BY: | DATE | DESCRIPTION |
|--------------|------|-------------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |

PLAN: ALL
SHEET: AD5

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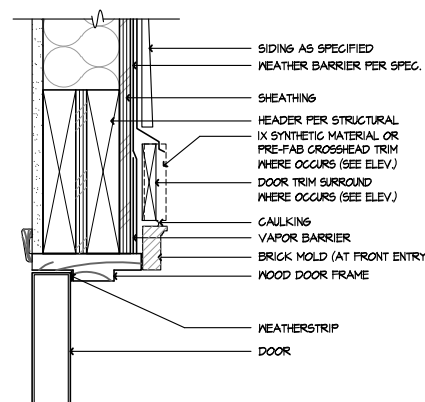
GARAGE DOOR HEAD - SIDING

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



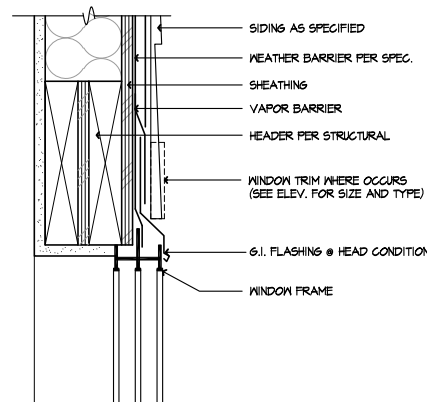
DOOR HEAD - SIDING

SCALE 3/4"=1'-0" SE-06118a



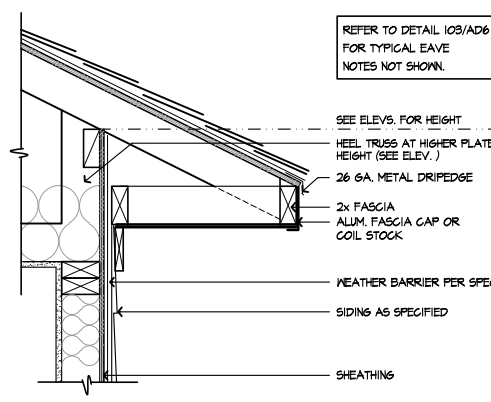
WINDOW HEAD - SIDING

SCALE 3/4"=1'-0" SE-06109a



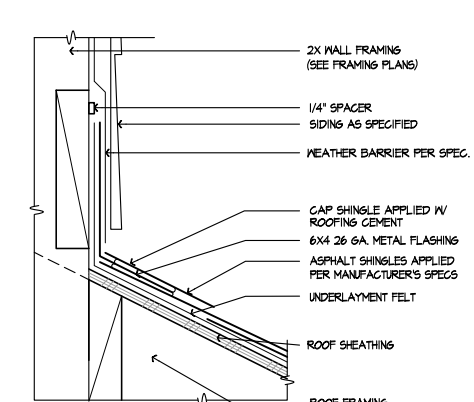
HEEL TRUSS - SIDING

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



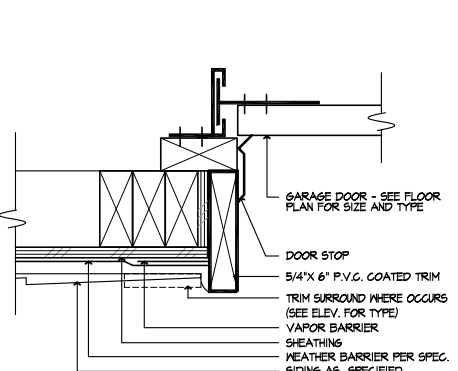
ROOF TO WALL

SCALE 3/4"=1'-0" SE-06101a



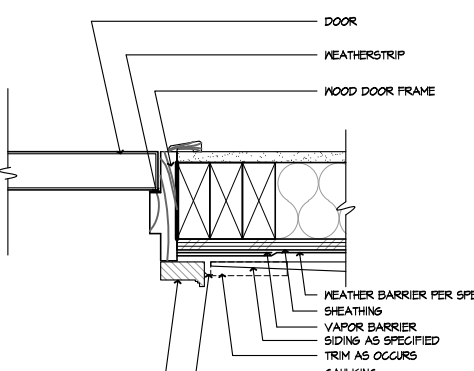
GARAGE DOOR JAMB - SIDING

SCALE 3/4"=1'-0" SE-06118a



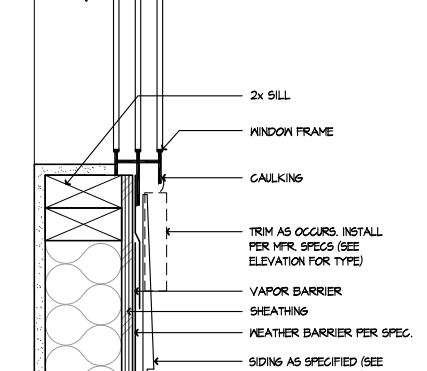
DOOR JAMB - SIDING

SCALE 3/4"=1'-0" SE-06118a



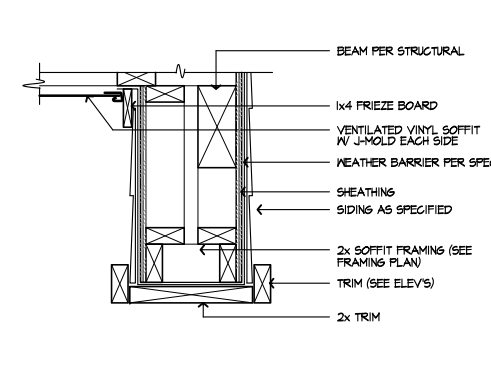
WINDOW SILL - SIDING

SCALE 3/4"=1'-0" SE-06110a



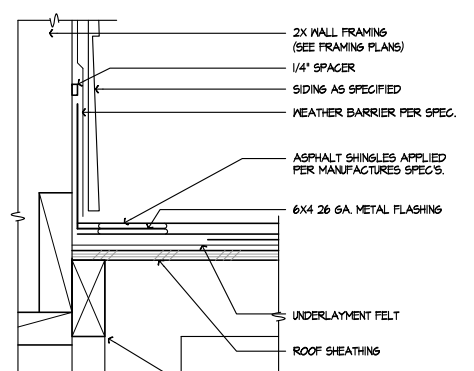
SOFFIT @ PORCH

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



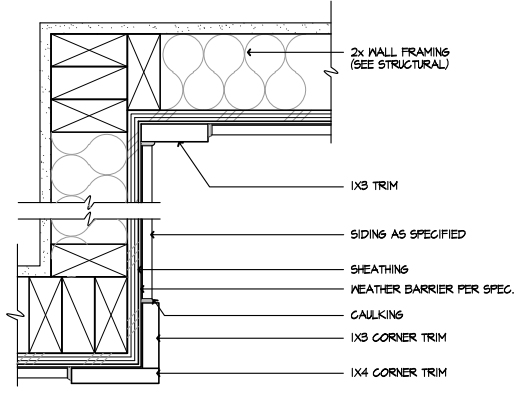
ROOF TO WALL

SCALE 3/4"=1'-0" SE-06102a



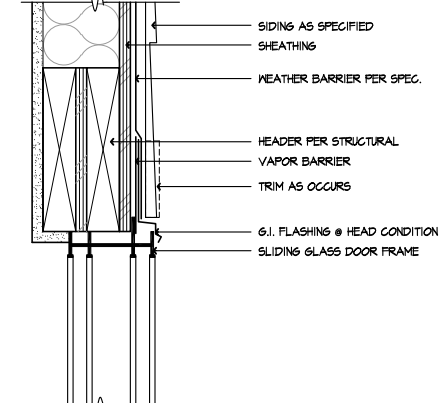
CORNER TRIM - SIDING

SCALE 3/4"=1'-0" SE-06119a



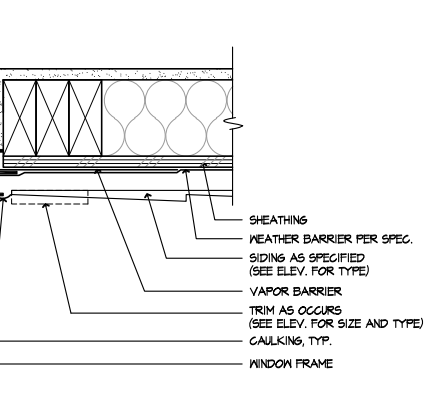
SLDG. DOOR HEAD - SIDING

SCALE 3/4"=1'-0" SE-06119a



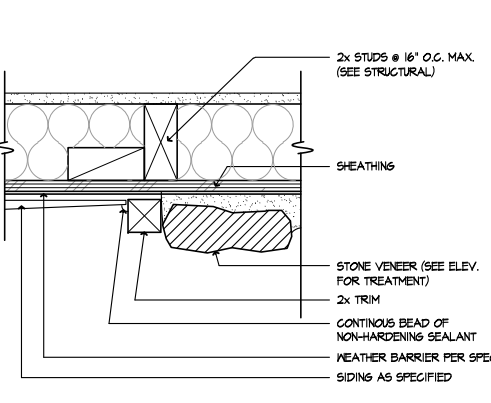
WINDOW JAMB - SIDING

SCALE 3/4"=1'-0" SE-06111a



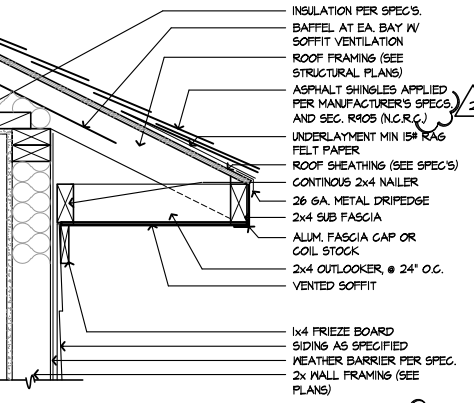
SIDING TO STONE

SCALE 3/4"=1'-0" SE-06107a



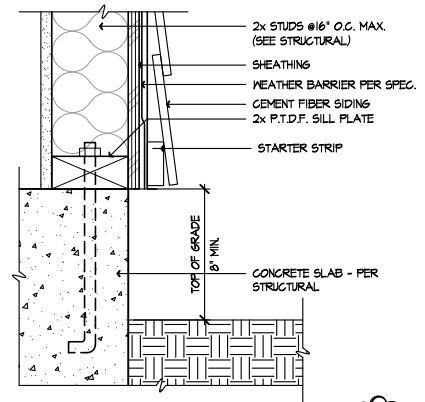
EAVE

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



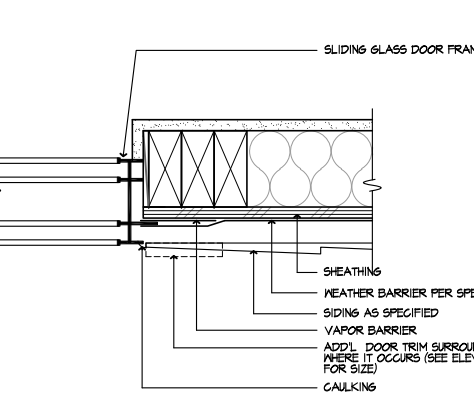
SIDING AT SLAB

SCALE 3/4"=1'-0" SE-06120a



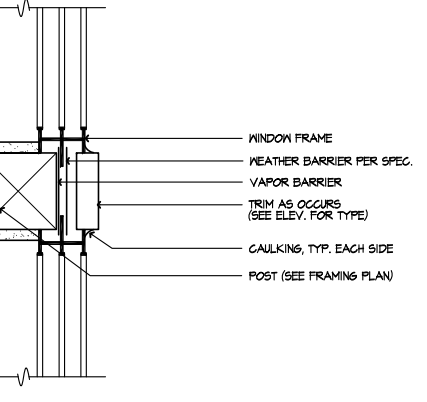
SLDG. DOOR JAMB - SIDING

SCALE 3/4"=1'-0" SE-06116a



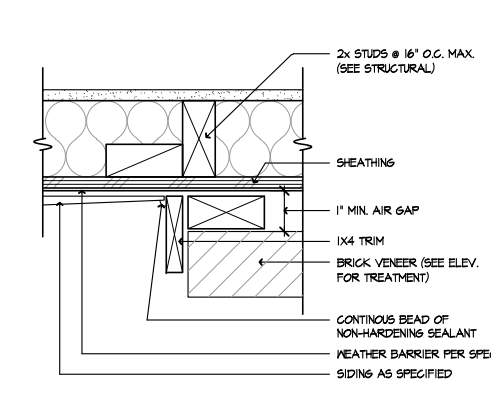
VERT. WDW. MULL. - SIDING

SCALE 3/4"=1'-0" SE-06112a



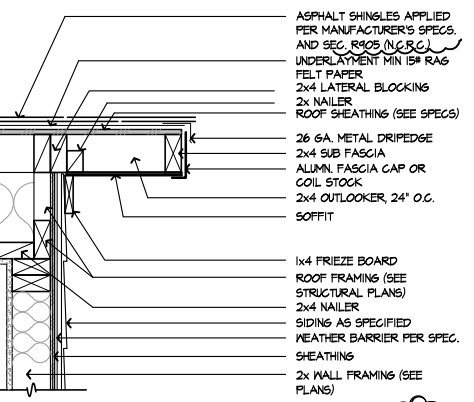
SIDING TO BRICK

SCALE 3/4"=1'-0" SE-06108a



RAKE

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



DETAILS

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ISSUE DATE: 09/28/11
PROJECT No.: 1350
DIVISION MGR.: M.C.P.
REVISIONS: 01/15/20

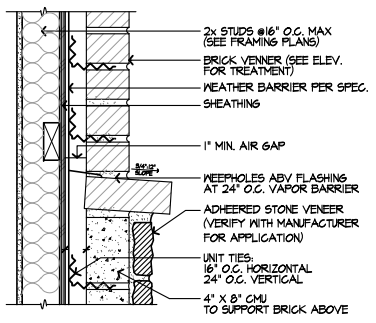
- 1 COMPLIANCE REVIEW
NC12008 - 02/28/12 - CTD
- 2 2012 NC CODE UPDATE
NC12016 - 03/22/12 - CTD
- 3 DETAIL UPDATES
NC15933 - 11/13 - DCS
- 4 2018 NC CODE UPDATE
NC19015 - 01/24/19 - MCP
- 5 DETAIL UPDATE
NC20001NCF - 01/15/20 - MCP

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| REVISION BY: | DATE |
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| 1 | |
| 2 | |
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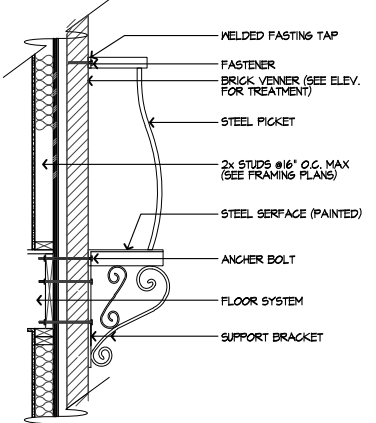
PLAN: ALL
SHEET: AD6

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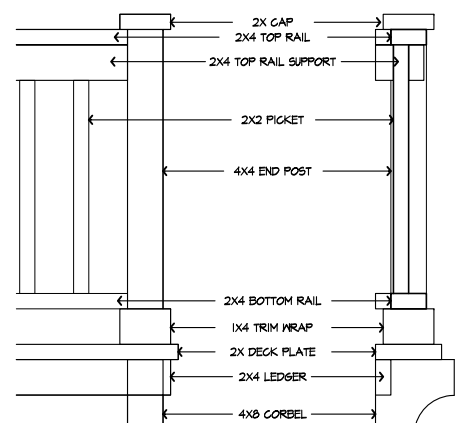
BRICK OVER STONE
NOT TO SCALE

139
AD7



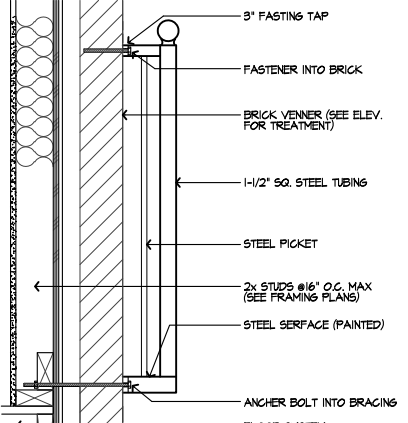
RAILING
NOT TO SCALE

130
AD7



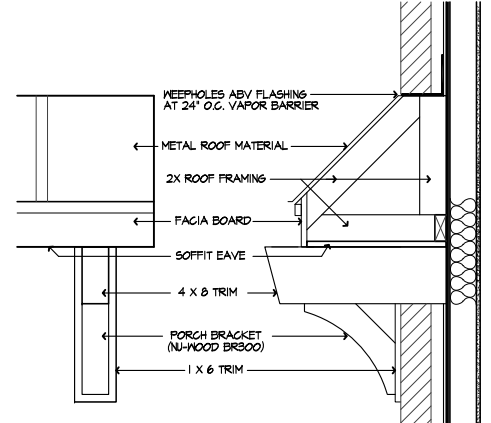
WOOD RAILING
NOT TO SCALE

131
AD7



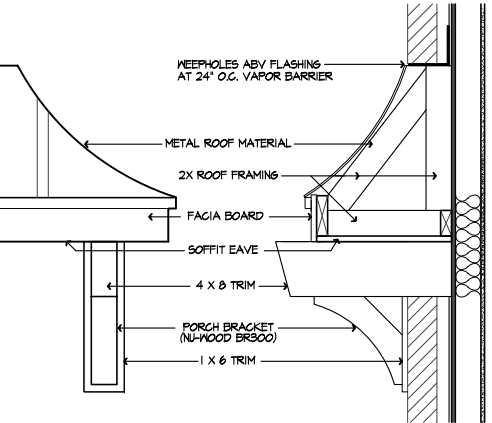
RAILING
NOT TO SCALE

132
AD7



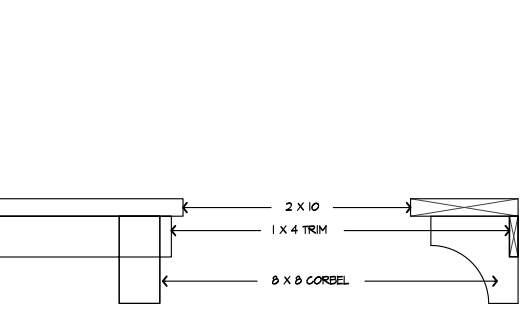
SHED ROOF
NOT TO SCALE

133
AD7



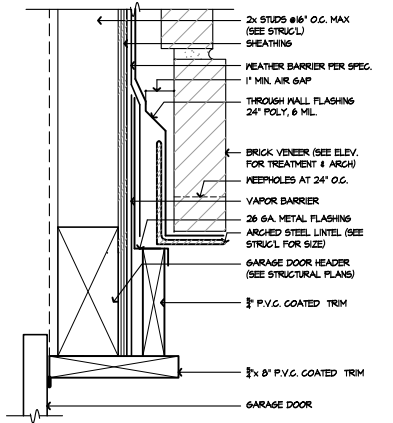
CURVED SHED ROOF
NOT TO SCALE

134
AD7



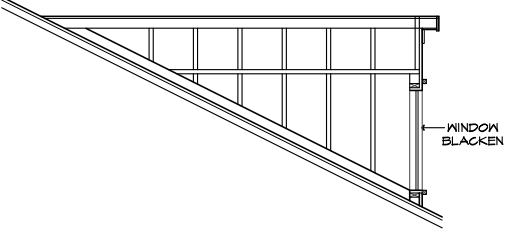
WINDOW LEDGE
NOT TO SCALE

136
AD7



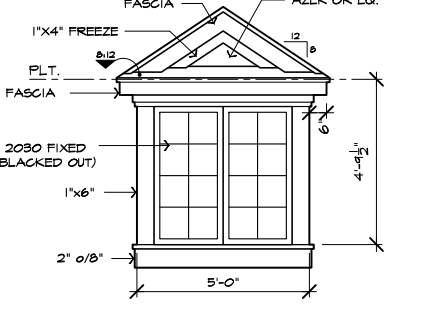
GARAGE DOOR HEAD W/ ARCHED BRICK
NOT TO SCALE

138
AD7



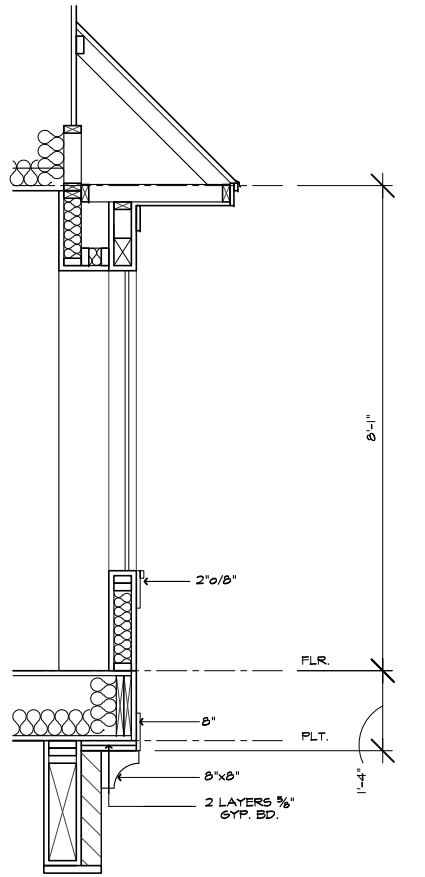
TYP. DORMER
NOT TO SCALE

137
AD7



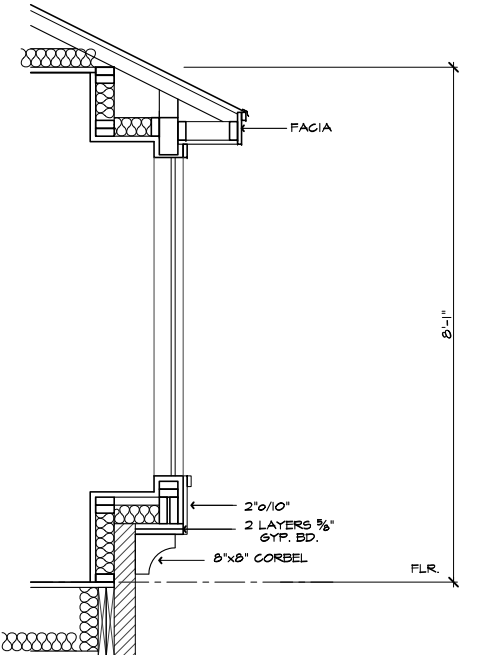
EYEBROW DORMER
NOT TO SCALE

139
AD7



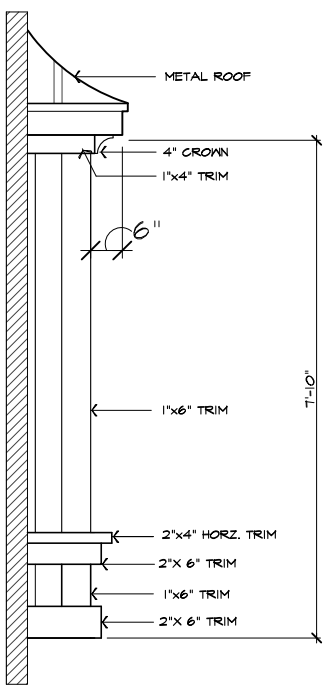
BAY
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135
AD7



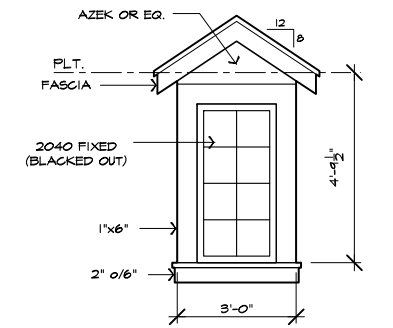
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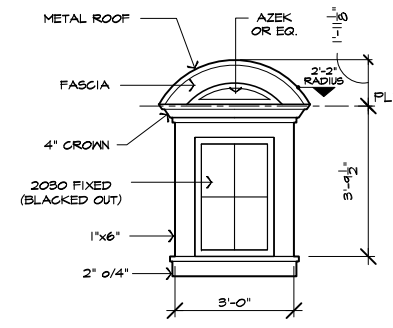
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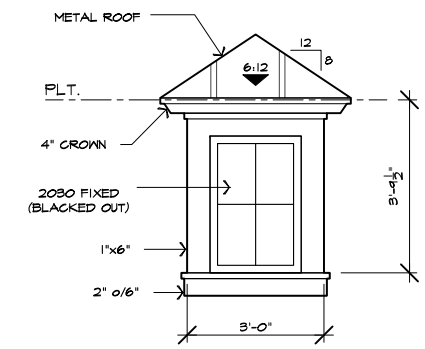
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140
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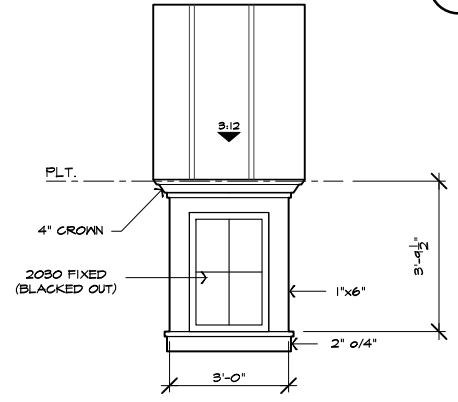
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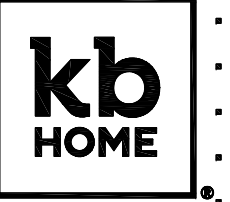
TYP. HIP DORMER
NOT TO SCALE

141
AD7



TYP. SHED ROOF DORMER
NOT TO SCALE

143
AD7



DETAILS

KB HOME
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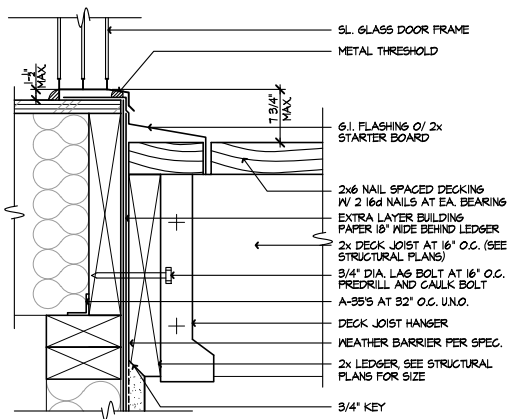
ISSUE DATE: 09/28/11
PROJECT No.: 1350
DIVISION MGR.: M.C.P.
REVISIONS: 01/15/20

- 1 COMPLIANCE REVIEW
NC12808 - 02/28/12 - CTD
- 2 2012 NC CODE UPDATE
NC12816 - 03/22/12 - CTD
- 3 DETAIL UPDATES
NC15953 - 11/13 - DCs
- 4 2018 NC CODE UPDATE
NC15915 - 01/24/19 - MCP
- 5 DETAIL UPDATE
NC12001NCP - 01/15/20 - MCP

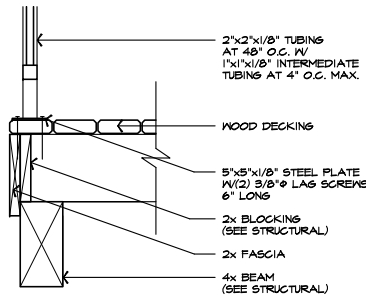
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PLAN: **ALL**
SHEET: **AD7**

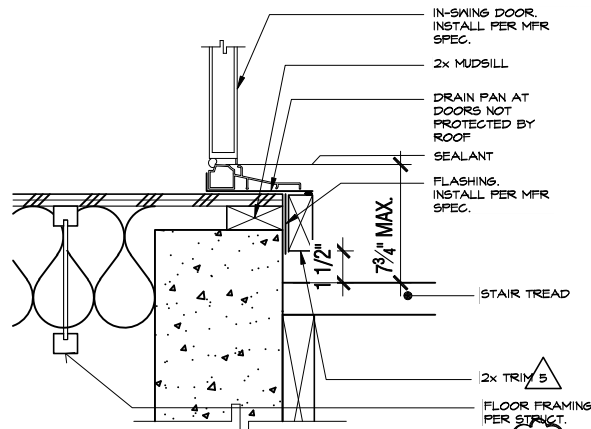
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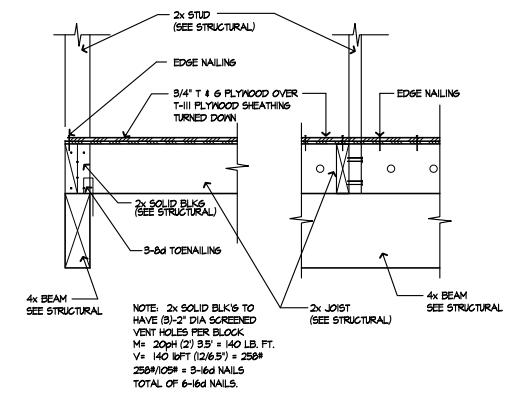
SL. DR. TRESHOLD @ DECK 154
SCALE 3/8"=1'-0"
0910-02 ADB



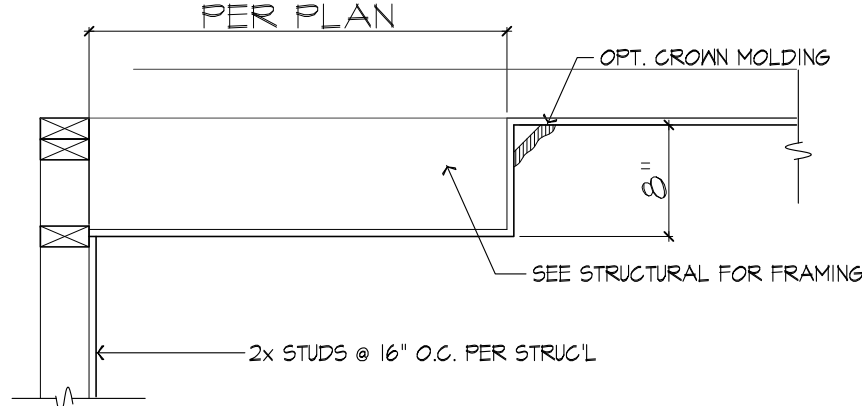
DECK FRAMING 150
SCALE 1"=1'-0"
ADB



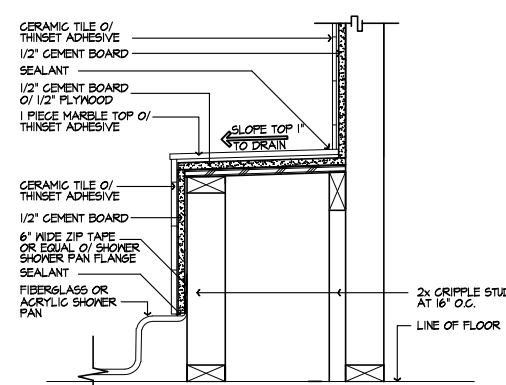
SWING DOOR THRESHOLD 156
SCALE 3/8"=1'-0"
AT CRAWL SPACE ADB



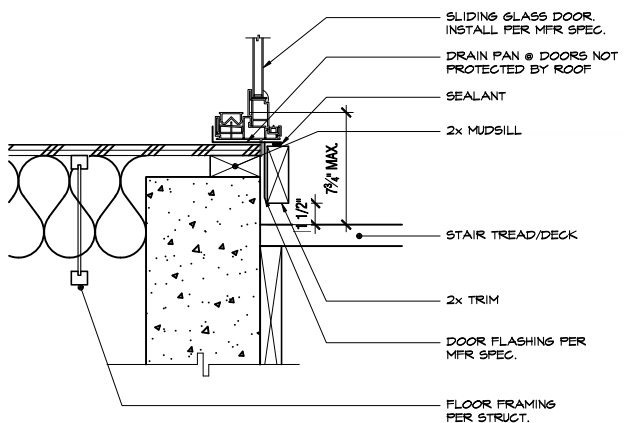
DECK FRAMING 151
SCALE 1"=1'-0"
ADB



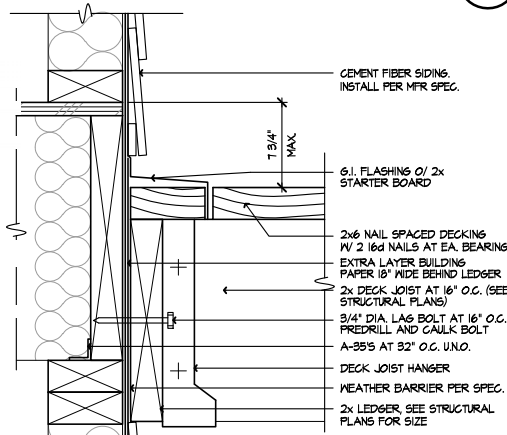
BOX TRAY CEILING 148
NOT TO SCALE
ADB



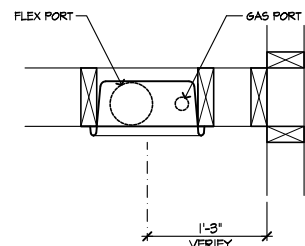
SHOWER PAN SEAT 146
SCALE 1 1/2"=1'-0"
BA-001A ADB



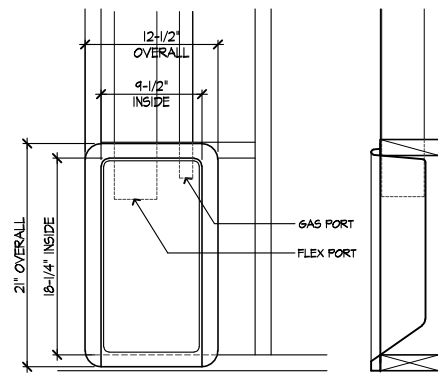
SLIDING GLASS DOOR 157
SCALE 1"=1'-0"
AT CRAWL SPACE ADB



WALL @ DECK 152
SCALE 3/8"=1'-0"
ADB-152 ADB

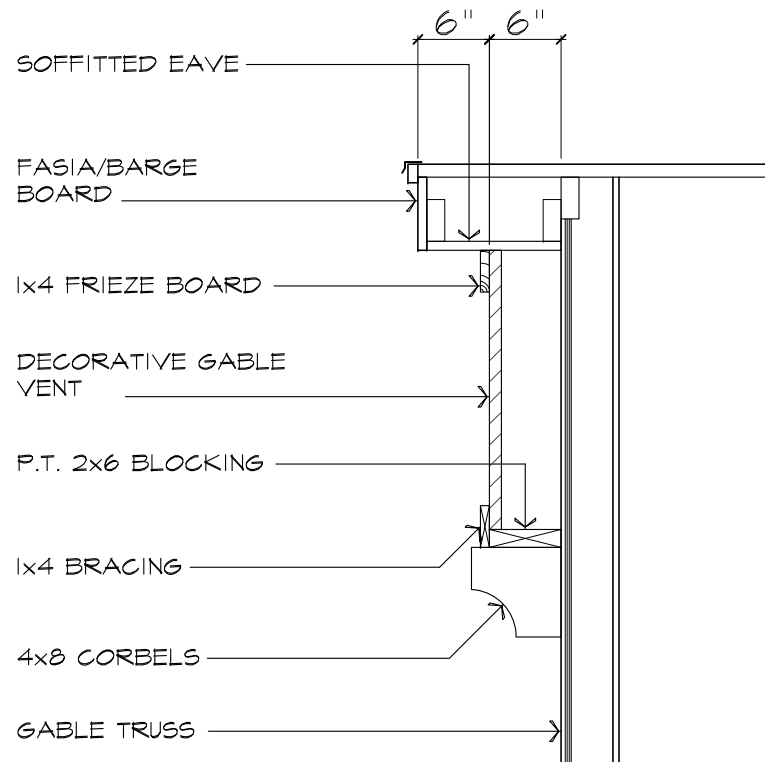


PLAN VIEW

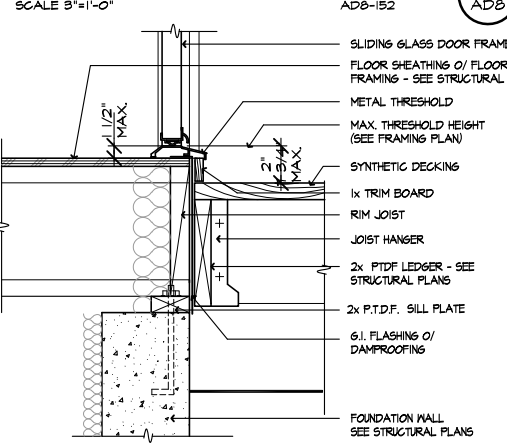


FRONT SIDE

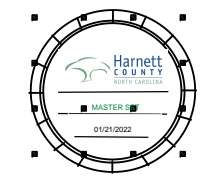
DRYER BOX DETAIL 149
SCALE: N.T.S. ADB-149 ADB



GABLE VENT DETAIL 147
NOT TO SCALE
ADB



SWING DOOR THRESHOLD 153
SCALE 1 1/2"=1'-0"
0820-01c ADB



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- ISSUE DATE: 09/28/11
- PROJECT No.: 1350
- DIVISION MGR.: M.C.P.
- REVISIONS: 01/15/20
- 1 COMPLIANCE REVIEW NCI2008 - 02/28/12 - CTD
- 2 2012 NC CODE UPDATE NCI2016 - 03/22/12 - CTD
- 3 DETAIL UPDATES NCI2013 - 11/3/13 - DC3
- 4 2018 NC CODE UPDATE NCI2015 - 01/24/19 - MCP
- 5 DETAIL UPDATE NC2000INCP - 01/15/20 - MCP

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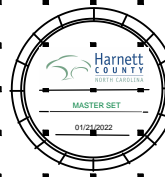
PLAN: **ALL**
SHEET: **AD8**

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STRUCTURAL PLANS FOR:



238.2338 - LH GARAGE



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P-0961

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



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

PROJECT NO.: 21901127
 DATE: 05/21/2021

PLAN:
238.2338

TITLE SHEET

T

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PLAN RELEASE / REVISIONS

| REV. DATE | ARCH PLAN VERSION | REVISION DESCRIPTION | DRFT |
|------------|------------------------------------|-------------------------------------------------------------------------------------|------|
| 01/03/2019 | 2338 PP2 NC17016P 061417 | 2018 NORTH CAROLINA RESIDENTIAL CODE UPDATE, NEW DRAWING TEMPLATE | CAR |
| 04/05/2019 | PLAN 2338_PP2_2018 CODE UPDATE | REVISED FRONT CONT. BEAM ON ELEVATIONS B & C | CAR |
| 05/30/2019 | 2335.2338 LH 2019.1.15 | COMPILED PARTIN AND MASON FILES INTO ONE FILE | CAR |
| 09/03/2019 | 2335.2338 LH 2019.1.15 | REVISED J/K CALLOUT ON REAR CONT BEAM FOR ELEV C AND D | CAR |
| 10/24/2019 | 238.2338 LH (LAKE MICHAEL UPDATES) | UPDATED FLOOR PLANS PER NEW ARCH, REVISED BRACING PLAN, REVISED REAR OPTIONS | CAR |
| 10/08/2020 | 2338-238-01350 LH D18 - 10.06.20 | UPDATED REAR COVERED/SCREENED PATIO OPTIONS; RELOCATING REAR POSTS/BEAMS | ABS |
| 01/29/2021 | 2338-238-01350 LH D18 - 01.06.2021 | UPDATED REAR COVERED/SCREENED PATIO OPTIONS TO GABLE ROOF; FOR NEW COMMUNITIES ONLY | ABS |
| 05/21/2021 | 2338-238-01350 LH D18 - 01.06.2021 | ADDED STEM WALL FOUNDATION AND THE SLAB FIBER NOTES | TRG |
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NOTES

- ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT, INCLUDING ROOF GEOMETRY. JDS CONSULTING, PLLC ASSUMES NO LIABILITY FOR CHANGES MADE TO THESE PLANS BY OTHERS, OR FOR CONSTRUCTION METHODS, OR FOR ANY DEVIATION FROM THE PLANS. ENGINEER TO BE NOTIFIED PRIOR TO CONSTRUCTION IF ANY DISCREPANCIES ARE NOTED ON THE PLANS.
- DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS.
- PLANS MUST HAVE SIGNED SEAL TO BE VALID AND ARE LIMITED TO THE FOLLOWING USES:
 - IF THESE PLANS ARE ISSUED AS A MASTER-PLAN SET, THE SET IS VALID FOR 18 MONTHS FROM THE DATE ON THE SEAL, UNLESS ANY CODE-REQUIRED UPDATES ARE PLACED IN EFFECT BY THE MUNICIPALITY.
 - IF THESE PLANS ARE NOT ISSUED AS A MASTER-PLAN SET, THE SET IS VALID FOR A CONDITIONAL, ONE-TIME USE FOR THE LOT OR ADDRESS SPECIFIED ON THE TITLE BLOCK.

CODE

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

**2018
 NORTH CAROLINA
 STATE BUILDING CODE:
 RESIDENTIAL CODE**

ENGINEER OF RECORD

**JDS CONSULTING, PLLC
 ENGINEERING + DESIGN + CONSULTING + SURVEYING
 CONSULTING SERVICES
 8600 'D' JERSEY COURT
 RALEIGH, NC 27617
 FIRM LIC. NO: P-0961
 PROJECT REFERENCE: 21901127**

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

GENERAL

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. FURTHERMORE, CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, AND SAFETY ON SITE. NOTIFY JDS CONSULTING, PLLC IMMEDIATELY IF DISCREPANCIES ON PLAN EXIST.
- BRACED-WALL DESIGN IS BASED ON SECTION R602.10 - WALL BRACING. PRIMARY PRESCRIPTIVE METHOD TO BE CS-WSP. SEE WALL BRACING PLANS AND DETAILS FOR ADDITIONAL INFORMATION.

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

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

DESIGN LOADS

| | |
|------------------------------------------------------|----------------------------|
| ASSUMED SOIL BEARING-CAPACITY | 2,000 PSF |
| 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

- INTERIOR / TRIMMED FRAMING LUMBER SHALL BE #2 SPRUCE PINE FIR (SPF) WITH THE FOLLOWING DESIGN PROPERTIES (#2 SOUTHERN YELLOW PINE MAY BE SUBSTITUTED):
Fb = 875 PSI Fv = 70 PSI E = 1.4E6 PSI
- FRAMING LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND, CONCRETE, OR MASONRY SHALL BE PRESSURE TREATED #2 SOUTHERN YELLOW PINE (SYP) WITH THE FOLLOWING DESIGN PROPERTIES:
Fb = 975 PSI Fv = 95 PSI E = 1.6E6 PSI
- LVL STRUCTURAL MEMBERS TO BE LAMINATED VENEER LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:
Fb = 2600 PSI Fv = 285 PSI E = 1.9E6 PSI
- PSL STRUCTURAL MEMBERS TO BE PARALLEL STRAND LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:
Fb = 2900 PSI Fv = 290 PSI E = 2.0E6 PSI
- LSL STRUCTURAL MEMBERS TO BE LAMINATED STRAND LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:
Fb = 2250 PSI Fv = 400 PSI E = 1.55E6 PSI
- STRUCTURAL STEEL WIDE-FLANGE BEAMS SHALL CONFORM TO ASTM A992. Fy = 50 KSI
- REBAR SHALL BE DEFORMED STEEL CONFORMING TO ASTM A615, GRADE 60.
- POURED CONCRETE COMPRESSIVE STRENGTH TO BE A MINIMUM 3,000 PSI AT 28 DAYS. MATERIALS USED TO PRODUCE CONCRETE SHALL COMPLY WITH THE APPLICABLE STANDARDS LISTED IN AMERICAN CONCRETE INSTITUTE STANDARD ACI 318 OR ASTM C1157.
- CONCRETE SUBJECT TO MODERATE OR SEVERE WEATHERING PROBABILITY PER TABLE R301.2(1) SHALL BE AIR-ENTRAINED WHEN REQUIRED BY TABLE R402.2.
- CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE PUBLICATION 530: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES AND COMPANION COMMENTARIES AND THE MASONRY SOCIETY PUBLICATION TMS 402/602: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES.
- MORTAR SHALL COMPLY WITH ASTM INTERNATIONAL STANDARD C270.
- INDICATED MODEL NUMBERS FOR ALL METAL HANGERS, STRAPS, FRAMING CONNECTORS, AND HOLD-DOWNS ARE SIMPSON STRONG-TIE BRAND. EQUIVALENT USP BRAND PRODUCTS ARE ACCEPTABLE.
- REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES.

FOUNDATION

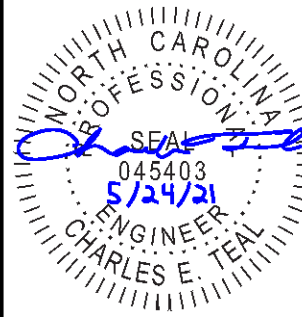
- MINIMUM ALLOWABLE SOIL BEARING CAPACITY IS ASSUMED TO BE 2,000 PSF. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SOIL BEARING CAPACITY IF UNSATISFACTORY CONDITIONS EXIST.
- CONCRETE FOUNDATION WALLS TO BE SELECTED AND CONSTRUCTED PER SECTION R404 OR AMERICAN CONCRETE INSTITUTE STANDARD ACI 318.
- MASONRY FOUNDATION WALLS TO BE SELECTED AND CONSTRUCTED PER SECTION R404 AND/OR AMERICAN CONCRETE INSTITUTE PUBLICATION 530: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES AND COMPANION COMMENTARIES AND/OR THE MASONRY SOCIETY PUBLICATION TMS 402/602: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES.
- CONCRETE WALL HORIZONTAL REINFORCEMENT TO BE PER TABLE R404.1.2(1) OR AS NOTED OR DETAILED. CONCRETE WALL VERTICAL REINFORCEMENT TO BE PER TABLES R404.1.2(3 AND 4) OR AS NOTED OR DETAILED. ALL CONCRETE WALLS SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 6.
 - TABLES ASSUME THAT WALLS HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM.
 - FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER SECTION R405.
- PLAIN-MASONRY WALL DESIGN TO BE PER TABLE R404.1.1(1) OR AS NOTED OR DETAILED. MASONRY WALLS WITH VERTICAL REINFORCEMENT TO BE PER TABLES R404.1.1 (2 THROUGH 4) OR AS NOTED OR DETAILED. ALL MASONRY WALLS SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 6.
 - TABLES ASSUME THAT WALLS HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM.
 - WALL REINFORCING SHALL BE PLACED ACCORDING TO FOOTNOTE (c) OF THE TABLES (REINFORCING IS NOT CENTERED IN WALL).
 - FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER SECTION R405.
- WOOD SILL PLATES TO BE ANCHORED TO THE FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS WITH MINIMUM 7" EMBEDMENT, SPACED A MAXIMUM OF 6'-0" OC AND WITHIN 12" FROM THE ENDS OF EACH PLATE SECTION. INSTALL MINIMUM (2) ANCHOR BOLTS PER SECTION. SEE SECTION R403.1.6 FOR SPECIFIC CONDITIONS.
- THE UNSUPPORTED HEIGHT OF SOLID MASONRY PIERS SHALL NOT EXCEED TEN TIMES THEIR LEAST DIMENSION. UNFILLED, HOLLOW PIERS MAY BE USED IF THE UNSUPPORTED HEIGHT IS NOT MORE THAN FOUR TIMES THEIR LEAST DIMENSION.
- CENTERS OF PIERS TO BEAR IN THE MIDDLE THIRD OF THE FOOTINGS, AND GIRDERS SHALL CENTER IN THE MIDDLE THIRD OF THE PIERS.
- ALL FOOTINGS TO HAVE MINIMUM 2" PROJECTION ON EACH SIDE OF FOUNDATION WALLS (SEE DETAILS).
- ALL REBAR NOTED IN CONCRETE TO HAVE AT LEAST 2" COVER FROM EDGE OF CONCRETE TO EDGE OF REBAR.
- FRAMING TO BE FLUSH WITH FOUNDATION WALLS.
- WITH CLASS 1 SOILS, VAPOR BARRIER AND CRUSHED STONE MAY BE OMITTED.

FRAMING

- ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTED W/ MIN (1) JACK STUD AND (1) KING STUD EACH END, UNO.
- ALL NON-BEARING HEADERS TO BE (2) 2x4, UNO.
- NON-BEARING INTERIOR WALLS NOT MORE THAN 10' NOMINAL HEIGHT AND NOT SHOWN AS BRACED WALLS MAY BE FRAMED WITH 2x4 STUDS @ 24" OC.
- SOLID BLOCKING TO BE PROVIDED AT ALL POINT LOADS THROUGH FLOOR LEVELS TO THE FOUNDATION OR TO OTHER STRUCTURAL COMPONENTS.
- ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION.
- ALL EXTERIOR WALLS TO BE FULLY SHEATHED WITH 7/16" OSB.
- PORCH / PATIO COLUMNS TO BE 4x4 MINIMUM PRESSURE-TREATED LUMBER.
 - ATTACH PORCH COLUMNS TO SLAB / FDN WALL USING ABA, ABU, ABW, OR CPT SIMPSON POST BASES TO FIT COLUMN SIZES NOTED ON PLAN -OR- ANY OTHER COLUMN CONNECTION WITH 500# UPLIFT CAPACITY.
 - ATTACH PORCH COLUMNS TO PORCH BEAMS USING AC OR BC SIMPSON POST CAPS TO FIT COLUMN SIZES NOTED ON PLAN -OR- ANY OTHER COLUMN CONNECTION WITH 500# UPLIFT CAPACITY.
 - TRIM OUT COLUMN(S) AND BEAM(S) PER BUILDER AND DETAILS.
- ALL ENGINEERED WOOD PRODUCTS (LVL, PSL, LSL, ETC.) SHALL BE INSTALLED WITH CONNECTIONS PER MANUFACTURER SPECIFICATIONS.
- ENGINEERED WOOD FLOOR SYSTEMS AND ROOF TRUSS SYSTEMS:
 - SHOP DRAWINGS FOR THE SYSTEMS SHALL BE PROVIDED TO THE ENGINEER OF RECORD FOR REVIEW AND COORDINATION BEFORE CONSTRUCTION.
 - TRUSS PROFILES SHALL BE SEALED BY THE TRUSS MANUFACTURER.
 - INSTALLATION OF THE SYSTEMS SHALL BE PER MANUFACTURER'S INSTRUCTIONS.
 - TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN IN THESE DRAWINGS.
- ALL BEAMS TO BE CONTINUOUSLY SUPPORTED Laterally AND SHALL BEAR FULL WIDTH ON THE SUPPORTING WALLS OR COLUMNS INDICATED, WITH A MINIMUM OF THREE STUDS, UNO.
- ALL STEEL BEAMS TO BE SUPPORTED AT EACH END WITH A MIN BEARING LENGTH OF 3 1/2" AND FULL FLANGE WIDTH. BEAMS MUST BE ATTACHED AT EACH END WITH A MINIMUM OF FOUR 16d NAILS OR TWO 1/2" x 4" LAG SCREWS, UNO.
- STEEL FLITCH BEAMS TO BE BOLTED TOGETHER USING (2) ROWS OF 1/2" DIAMETER BOLTS (ASTM 307) WITH WASHERS PLACED UNDER THE THREADED END OF THE BOLT. BOLTS TO BE SPACED AT 24" OC (MAX) AND STAGGERED TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH TWO BOLTS TO BE LOCATED AT 6" FROM EACH END OF FLITCH BEAM.
- WHEN A 4-PLY LVL BEAM IS USED, ATTACH WITH (1) 1/2" DIAMETER BOLT, 12" OC, STAGGERED TOP AND BOTTOM, 1 1/2" MIN FROM ENDS. ALTERNATE EQUIVALENT ATTACHMENT METHOD MAY BE USED, SUCH AS SDS, SDW, OR TRUSSLOK SCREWS (SEE MANUFACTURER SPECIFICATIONS).
- FOR STUD COLUMNS OF 4-OR-MORE STUDS, INSTALL SIMPSON STRONG-TIE CS16 STRAPS ACROSS STUDS @ 30" OC, 6" MAX FROM PLATES, ON INSIDE FACE OF COLUMN (EXTERIOR WALL), ON BOTH FACES OF COLUMN (INTERIOR WALL).
- FLOOR JOISTS ADJACENT AND PARALLEL TO THE EXTERIOR FOUNDATION WALL SHALL BE PROVIDED WITH FULL-DEPTH SOLID BLOCKING, NOT LESS THAN TWO (2) INCHES NOMINAL IN THICKNESS, PLACED PERPENDICULAR TO THE JOIST AT SPACING NOT MORE THAN FOUR (4) FEET. THE BLOCKING SHALL BE NAILED TO THE FLOOR SHEATHING, THE SILL PLATE, THE JOIST, AND THE EXTERIOR RIM JOIST / BOARD.
- BRACED WALL PANELS SHALL BE FASTENED TO MEET THE UPLIFT-RESISTANCE REQUIREMENTS IN CHAPTERS 6 AND 8 OF THE APPLICABLE CODE (SEE TITLE SHEET). REQUIREMENTS OF THE STRUCTURAL DRAWINGS THAT EXCEED THE CODE MINIMUM SHALL BE MET.



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P-0961

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



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PROJECT NO.: 21901127
DATE: 05/21/2021

PLAN:
238.2338

GENERAL NOTES

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

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

DETAILS AND NOTES ON DRAWINGS GOVERN.


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

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


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

ROOF SYSTEMS

TRUSSED ROOF - STRUCTURAL NOTES

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

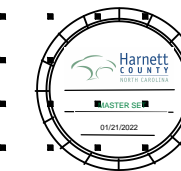
STICK-FRAMED ROOF - STRUCTURAL NOTES

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

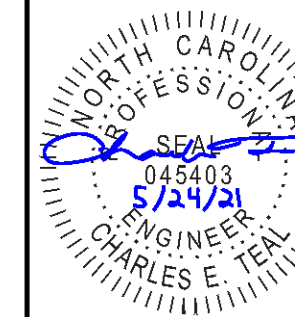
| BRICK VENEER LINTEL SCHEDULE | | |
|------------------------------|-------------------------------------------------------------------------------|----------------------|
| SPAN | STEEL ANGLE SIZE | END BEARING LENGTH |
| UP TO 42" | L3-1/2"x3-1/2"x1/4" | 8" (MIN. @ EACH END) |
| UP TO 72" | L6"x4"x5/16"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

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

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



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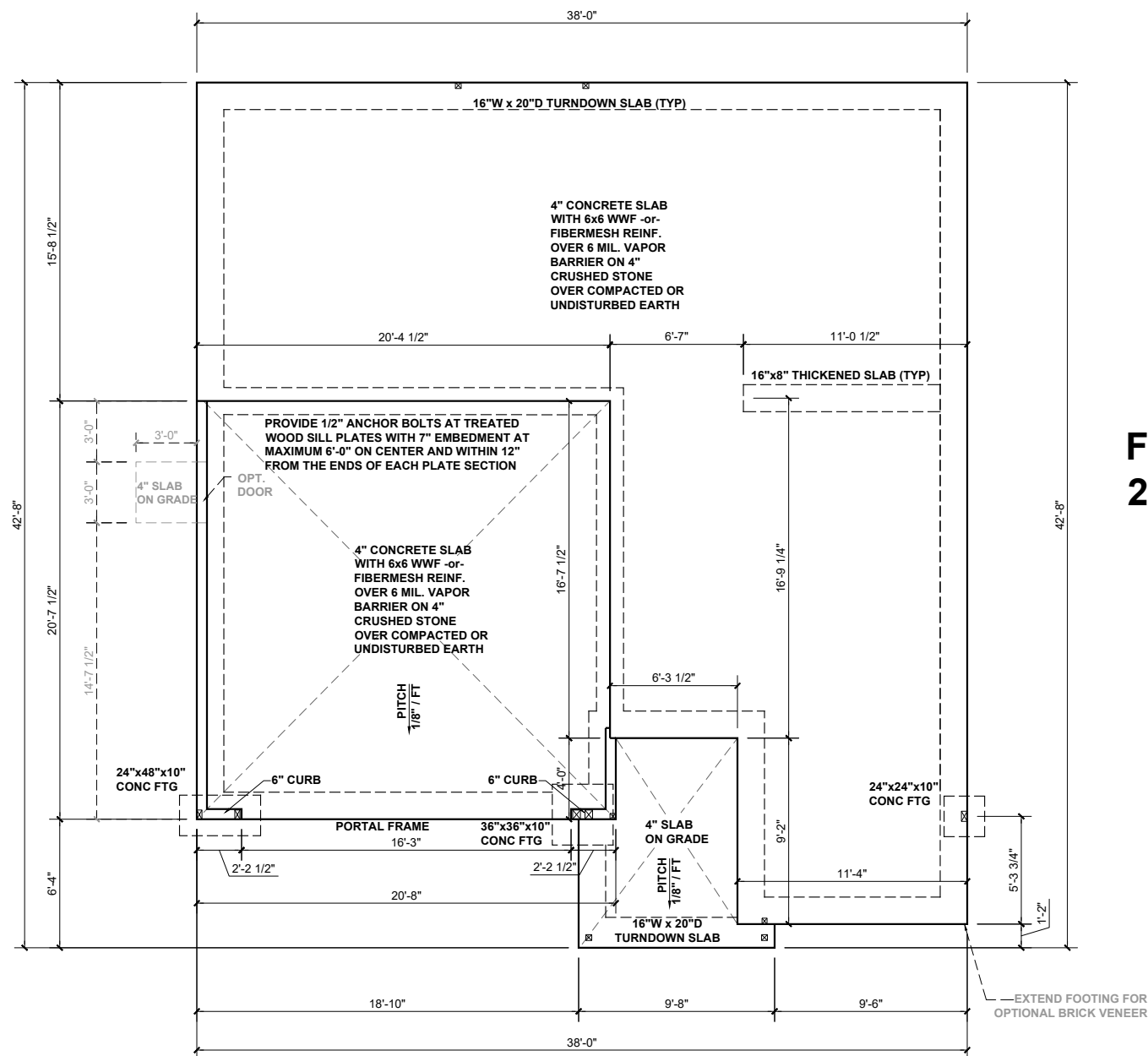
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GENERAL NOTES

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FIREPLACE 2

BEAM & POINT LOAD LEGEND

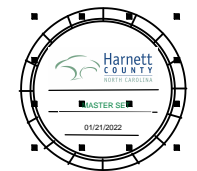
| | |
|-----------|------------------------------------------------|
| — | INTERIOR LOAD BEARING WALL |
| - - - | ROOF RAFTER / TRUSS SUPPORT |
| - · - · - | DOUBLE RAFTER / DOUBLE JOIST |
| — | STRUCTURAL BEAM / GIRDER |
| — | WINDOW / DOOR HEADER |
| ⊠ | POINT LOAD TRANSFER |
| ■ | POINT LOAD FROM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

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

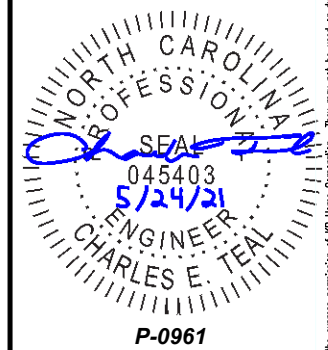
ALL CONCRETE CURBS SUPPORTING PORTAL FRAMED OR ENGINEERED OPENINGS IN GARAGES WITH A PONY WALL OVER 24" ABOVE THE GARAGE DOOR HEADER SHALL BE REQUIRED TO BE AT LEAST 8" WIDE.

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

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



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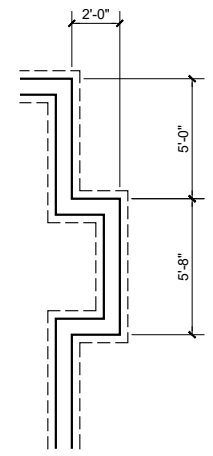
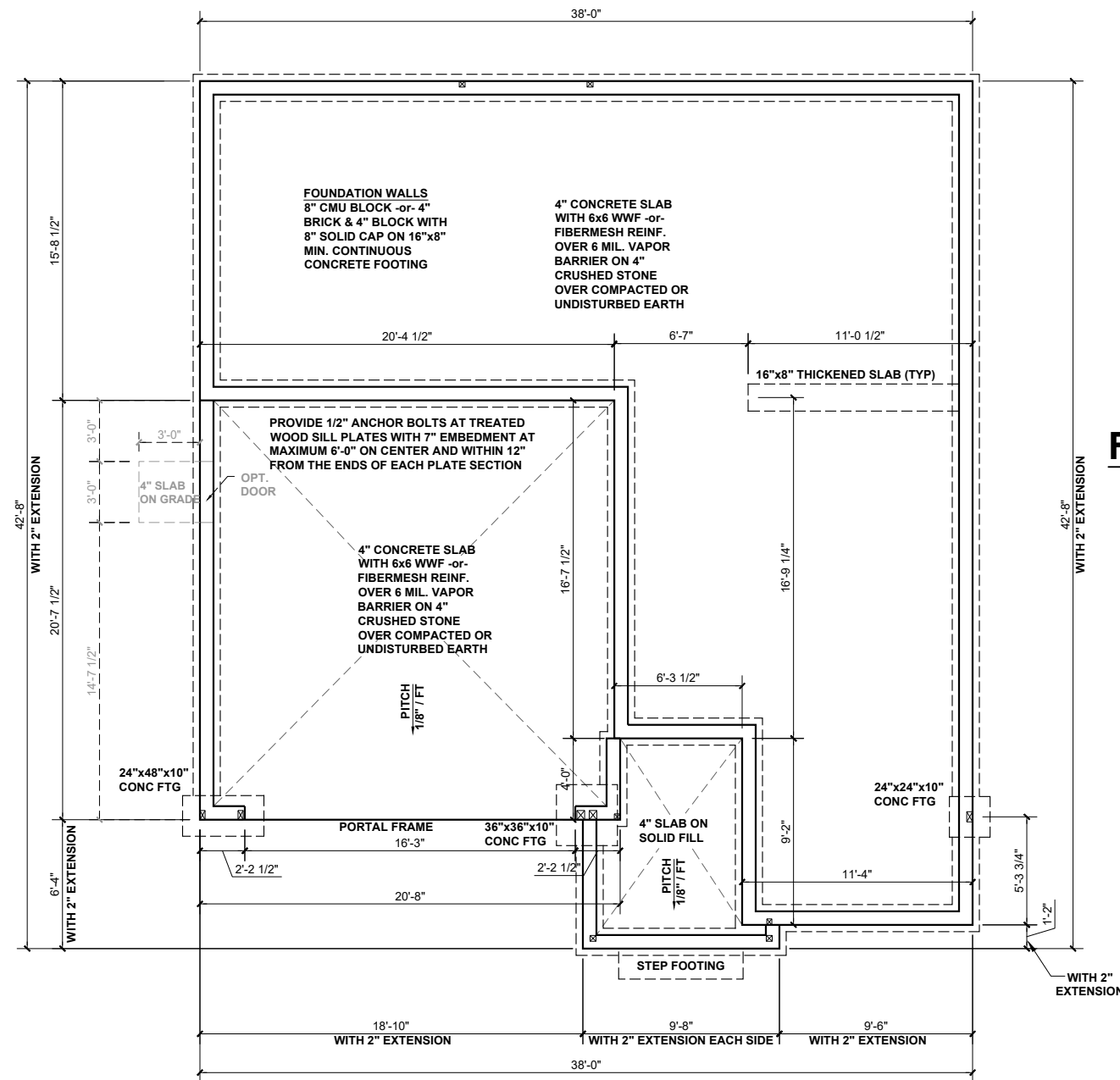
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SLAB
FOUNDATION PLAN
S.10A

SLAB FOUNDATION PLAN - 'A'

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

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FIREPLACE 2

STEM WALL FOUNDATION PLAN - 'A'

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

BEAM & POINT LOAD LEGEND

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

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

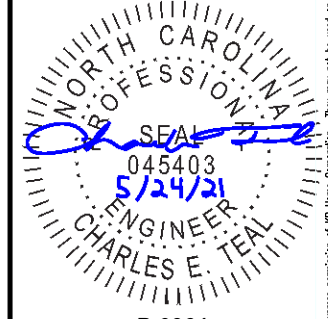
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CONCRETE SLAB REINFORCING SUBSTITUTION OF SYNTHETIC FIBER MIX IN LIEU OF WWF IN NON STRUCTURAL SLABS:

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



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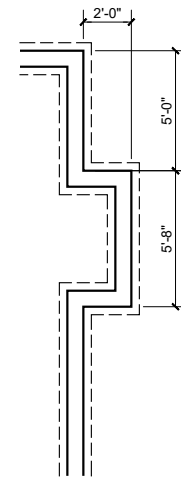
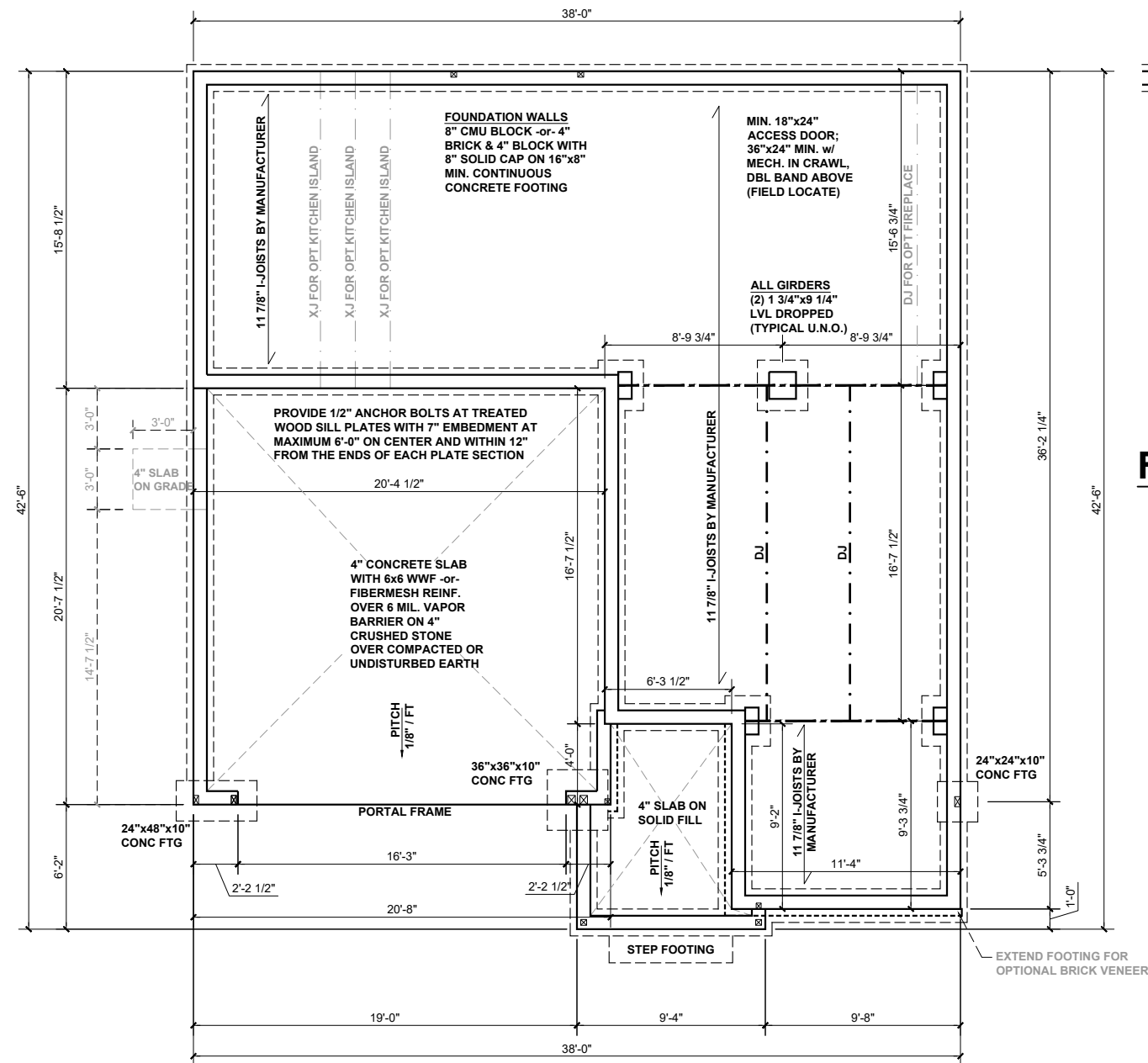
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STEM WALL
 FOUNDATION PLAN

S.20A

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FIREPLACE 2

BEAM & POINT LOAD LEGEND

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

FOUNDATION STRUCTURAL NOTES:

1. CONCRETE BLOCK PIER SIZE SHALL BE:

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

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

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

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

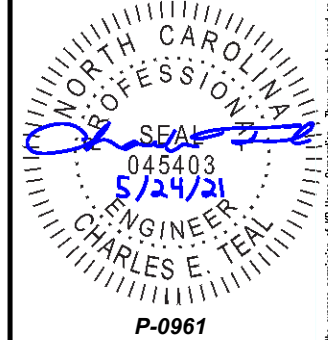
I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

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

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



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CRAWL SPACE
FOUNDATION PLAN

S.30A

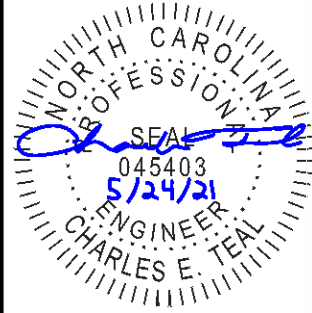
CRAWL SPACE FOUNDATION PLAN - 'A'

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

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FIRST FLOOR
CEILING FRAMING PLAN

S1.0A

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

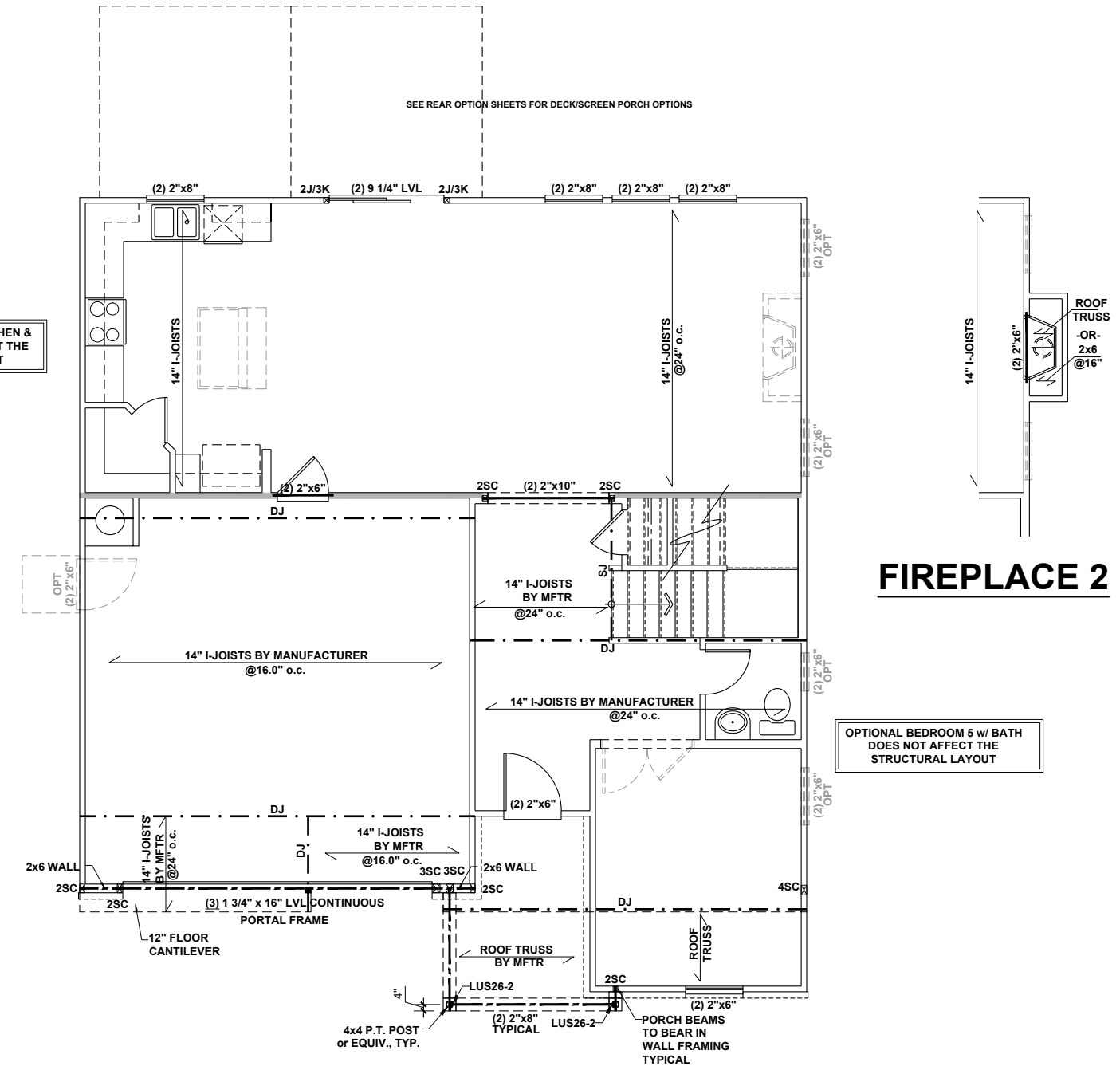
- STRUCTURAL FRAMING NOTES - (SEE GENERAL NOTES SHEET FOR ADDITIONAL REQUIREMENTS.)**
- ALL FRAMING TO BE #2 SPF MINIMUM.
 - ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTED w/ MIN (1) JACK AND (1) KING EACH END, UNO.
 - EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.
 - ALL NON-BEARING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

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.

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

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



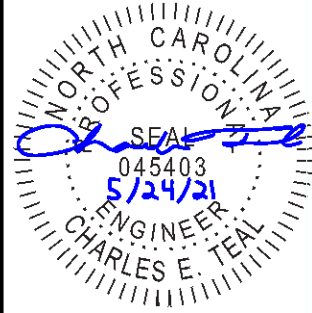
FIRST FLOOR CEILING FRAMING PLAN - 'A'

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

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



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PROJECT NO.: 21901127
 DATE: 05/21/2021

PLAN:
238.2338

SECOND FLOOR
 CEILING FRAMING PLAN

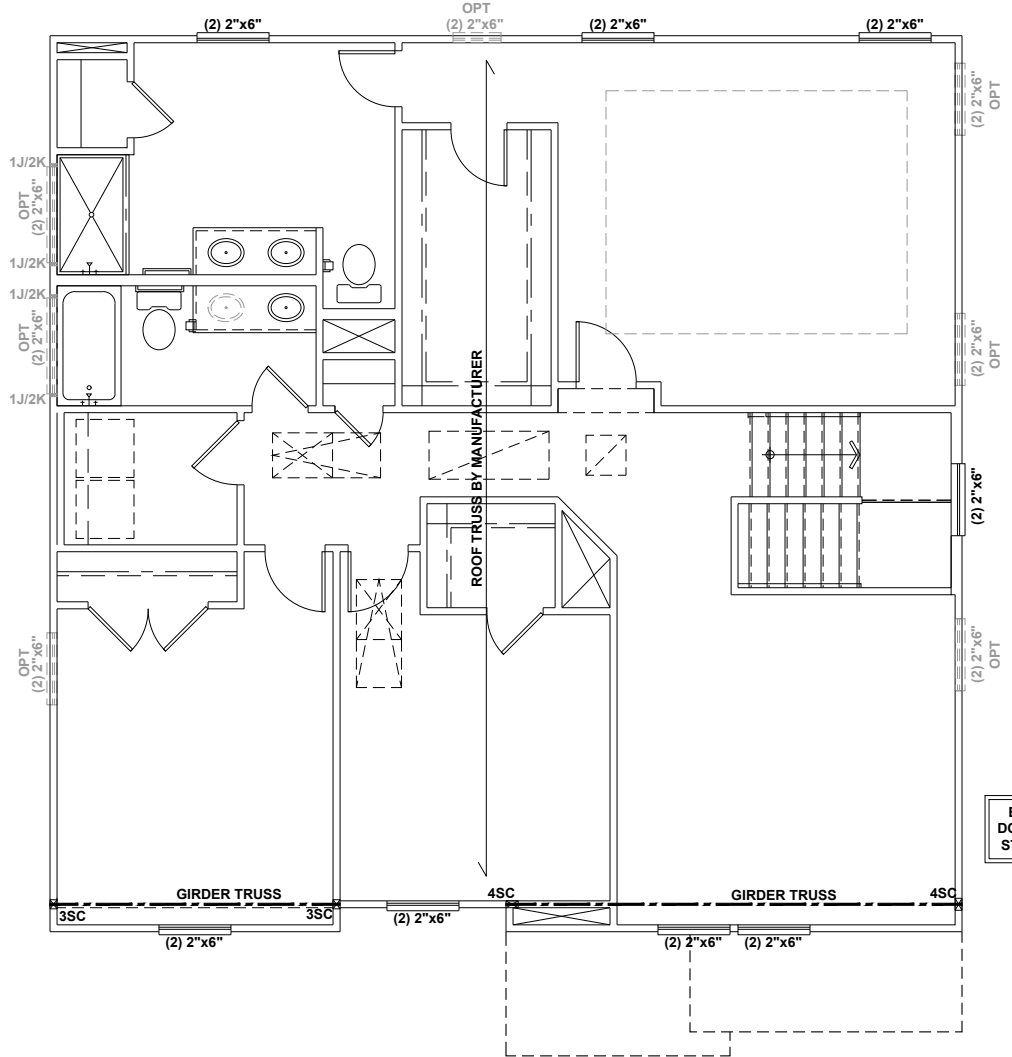
S2.0A

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

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

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

MASTER BATH OPTIONS DO NOT AFFECT THE STRUCTURAL LAYOUT

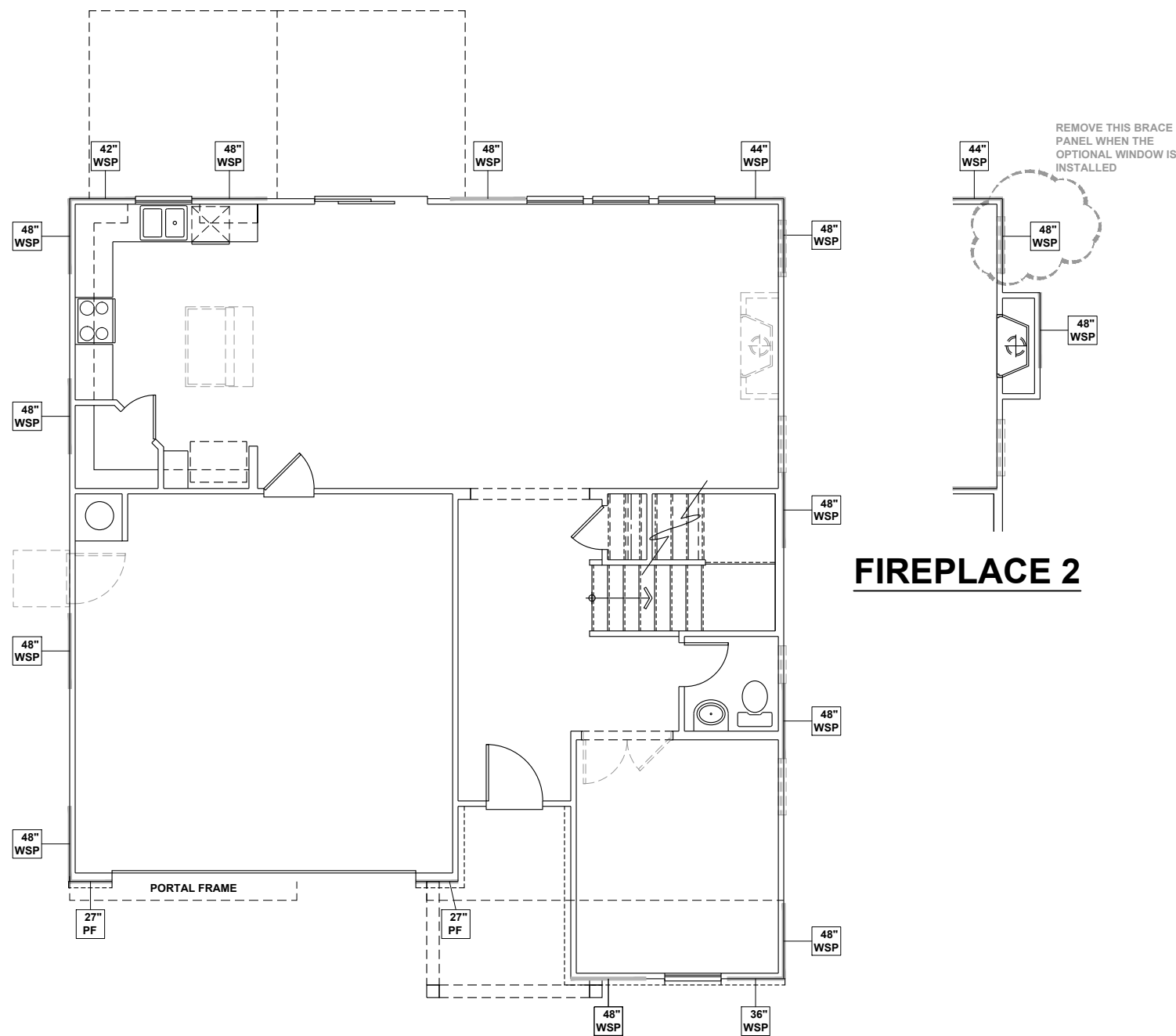


BEDROOM 4 OPTION DOES NOT AFFECT THE STRUCTURAL LAYOUT

SECOND FLOOR CEILING FRAMING PLAN - 'A'

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

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WALL BRACING REQUIREMENTS

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

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

SCALED LENGTH OF WALL PANEL AT LOCATION: 24" WSP

NUMERICAL LENGTH OF PANEL: 48" WSP

PANEL TYPE

ENGINEERED WALL SCHEDULE

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

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

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

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

WALL BRACING NOTE:

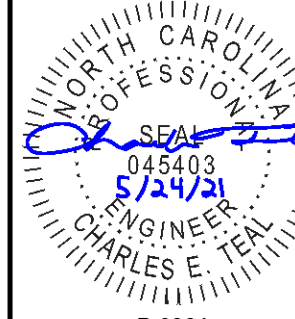
WALLS WITH PROVIDED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCRC. THESE WALLS HAVE BEEN ENGINEERED BASED ON DESIGN GUIDELINES ESTABLISHED IN ASCE-07 AND THE NDS: WIND & SEISMIC PROVISIONS SUPPLEMENT.

WALL BRACING: RECTANGLE 1

| SIDE | REQUIRED LENGTH | PROVIDED LENGTH |
|-------|-----------------|-----------------|
| FRONT | 13.5 FT. | 16.0 FT. |
| LEFT | 11.0 FT. | 16.0 FT. |
| REAR | 13.5 FT. | 15.16 FT. |
| RIGHT | 11.0 FT. | 16.0 FT. |



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P-0961

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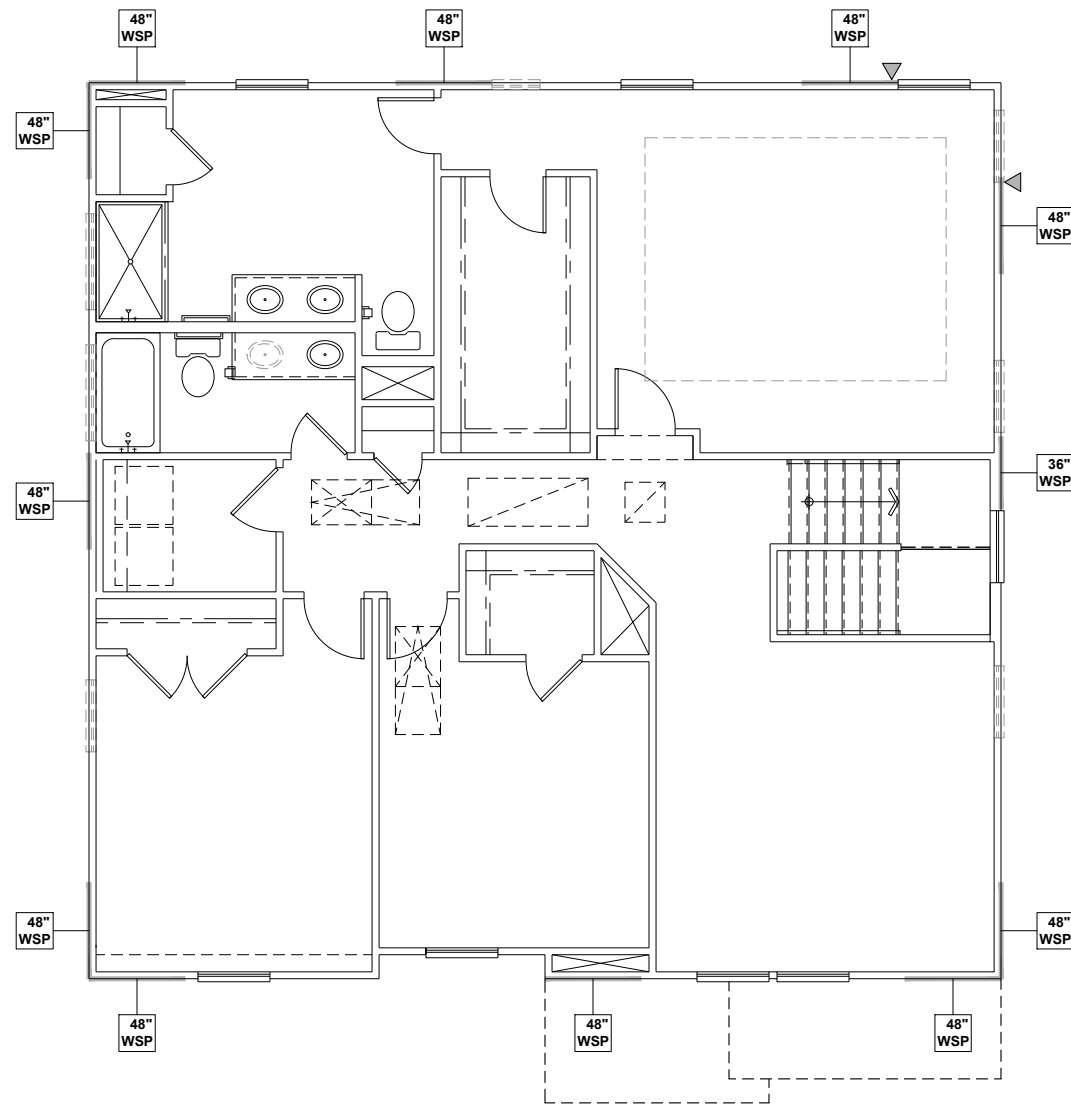
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PLAN:
238.2338

FIRST FLOOR
WALL BRACING PLAN
S4.0A

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

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SCALED LENGTH OF WALL PANEL AT LOCATION

24" WSP

NUMERICAL LENGTH OF PANEL

PANEL TYPE

ENGINEERED WALL SCHEDULE

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

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

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

WALL BRACING NOTE:

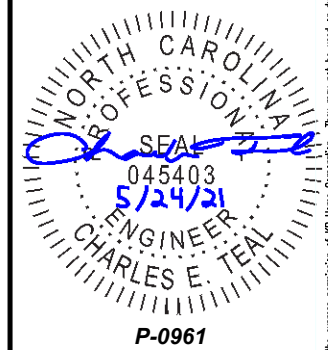
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WALL BRACING: RECTANGLE 1

| SIDE | REQUIRED LENGTH | PROVIDED LENGTH |
|-------|-----------------|-----------------|
| FRONT | 6.5 FT. | 12.0 FT. |
| LEFT | 5.5 FT. | 12.0 FT. |
| REAR | 6.5 FT. | 12.0 FT. |
| RIGHT | 5.5 FT. | 11.0 FT. |



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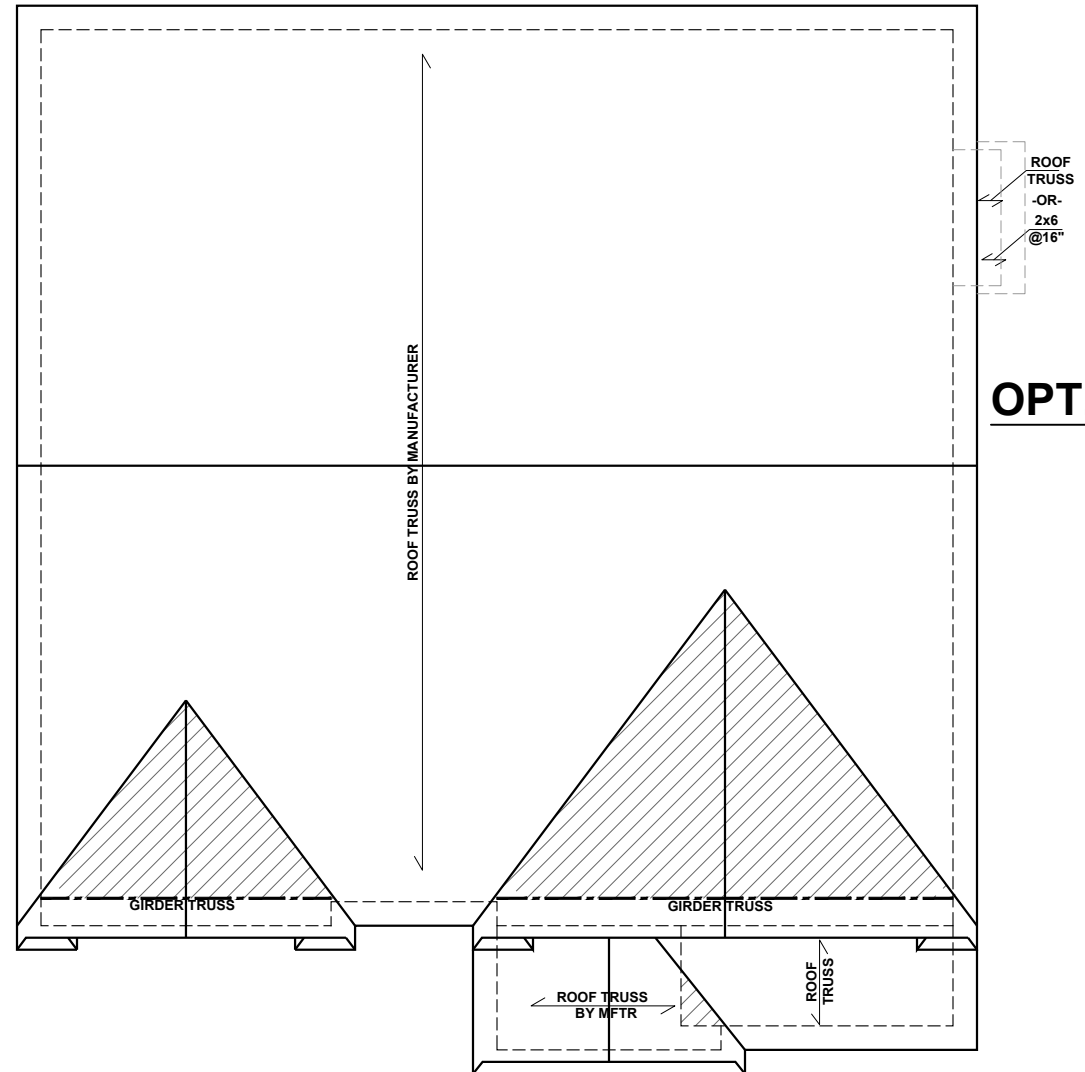
PROJECT NO.: 21901127
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PLAN:
238.2338

SECOND FLOOR
WALL BRACING PLAN
S5.0A

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

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OPT. FIREPLACE 2

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

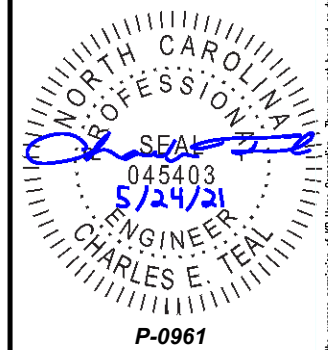
TRUSSES SHALL BE ATTACHED TO SUPPORT WALL FOR UPLIFT RESISTANCE. CONTINUOUS OSB WALL SHEATHING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES SUPPORTED BY INTERMEDIATE SUPPORT WALLS, KNEEWALLS, OR BEAMS SHALL BE ATTACHED TO SUPPORTING MEMBER PER SCHEDULE:

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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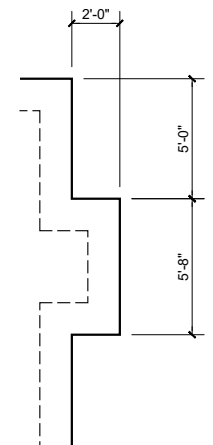
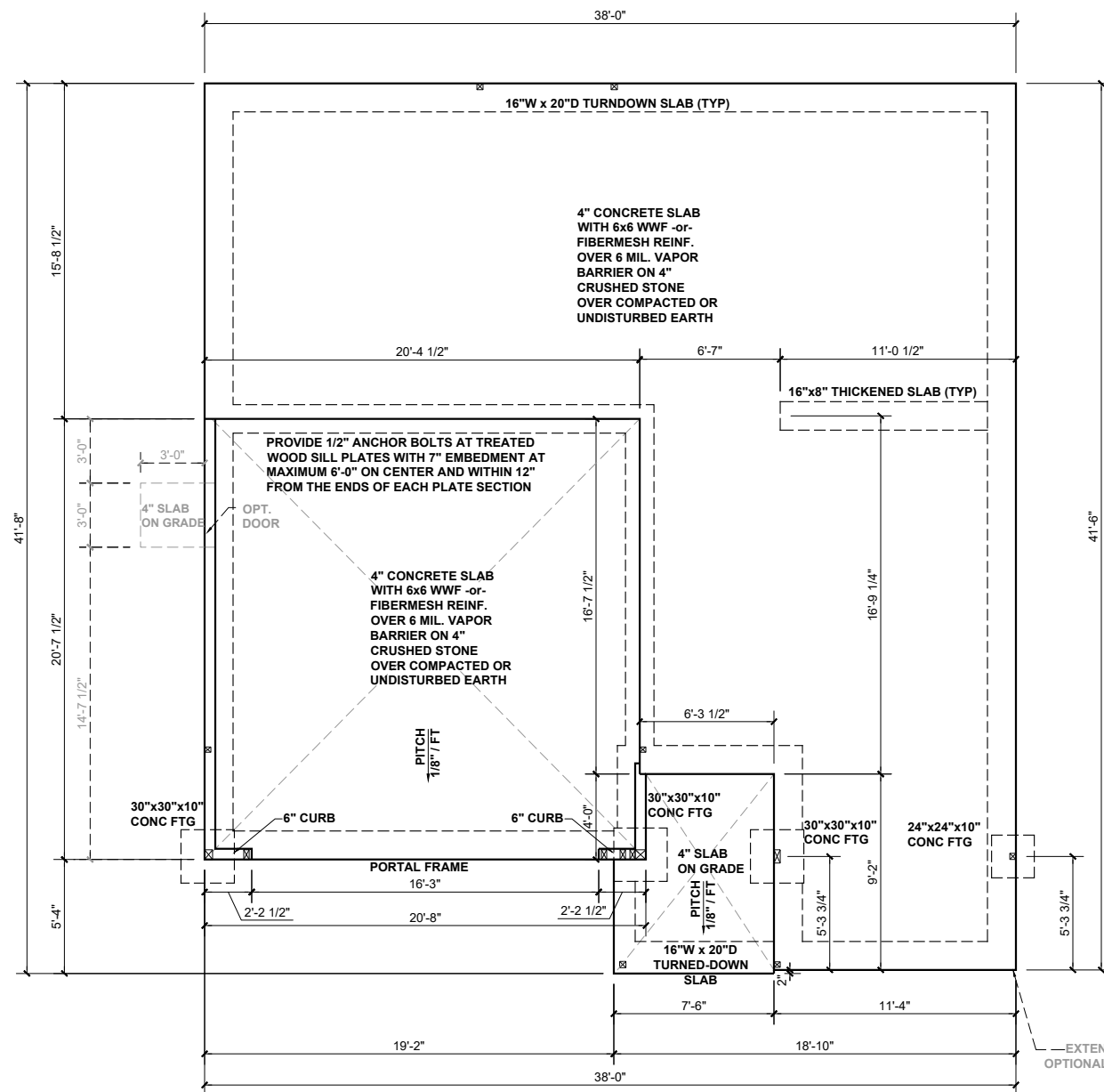
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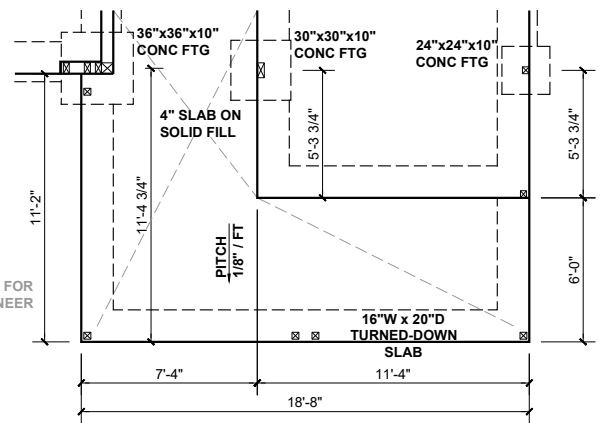
ROOF FRAMING PLAN
S7.0A

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

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**FIREPLACE
2**



OPT. ENLARGED PORCH

BEAM & POINT LOAD LEGEND

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

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

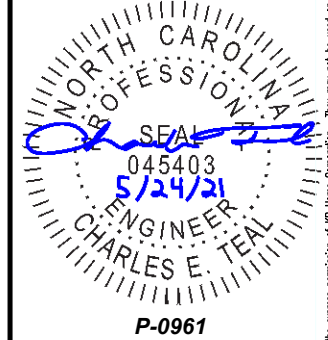
ALL CONCRETE CURBS SUPPORTING PORTAL FRAMED OR ENGINEERED OPENINGS IN GARAGES WITH A PONY WALL OVER 24" ABOVE THE GARAGE DOOR HEADER SHALL BE REQUIRED TO BE AT LEAST 8" WIDE.

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

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



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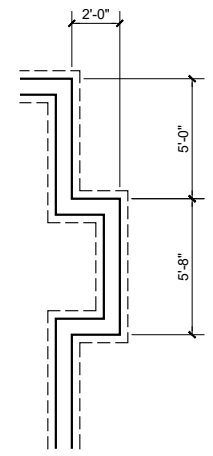
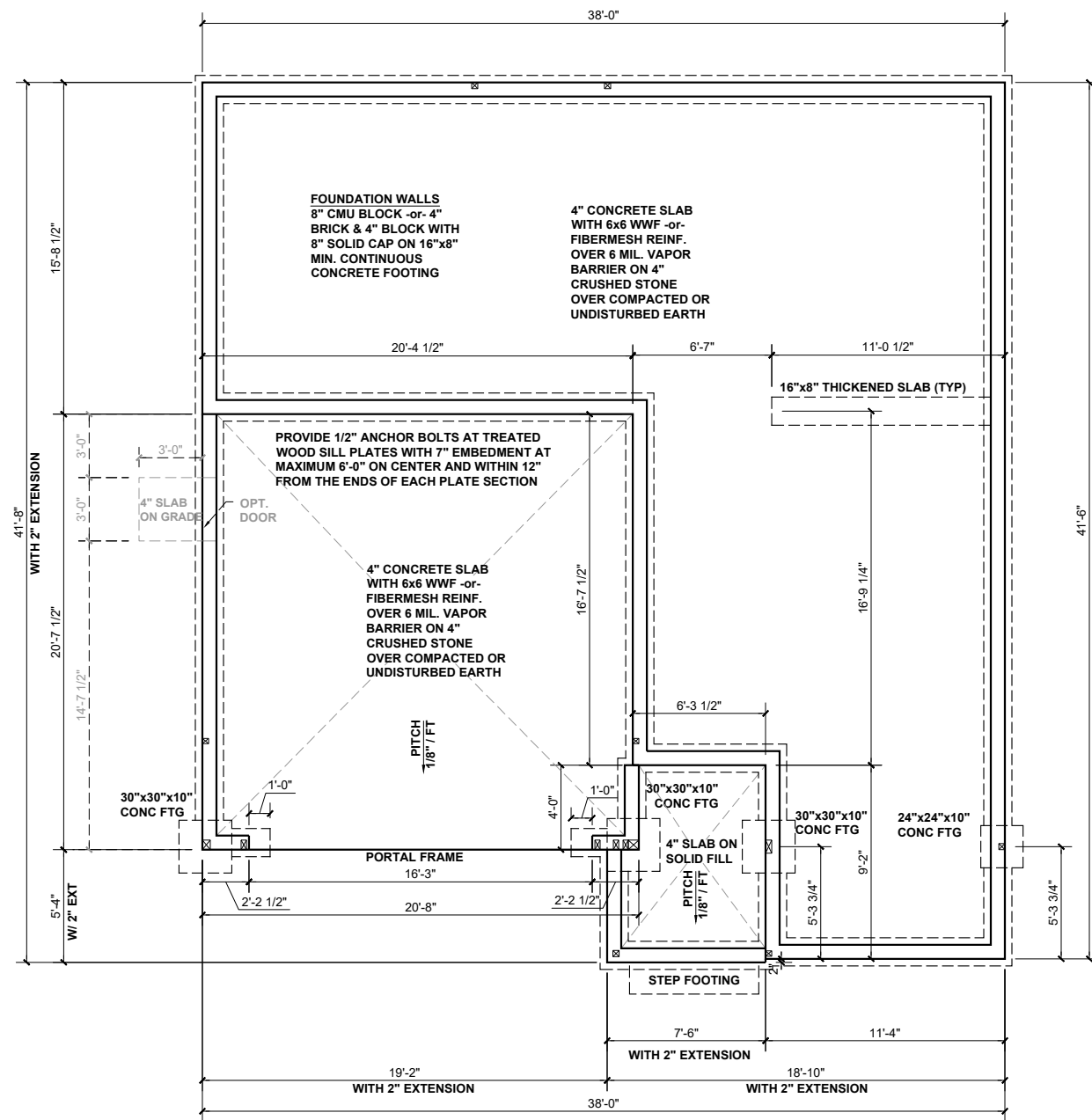
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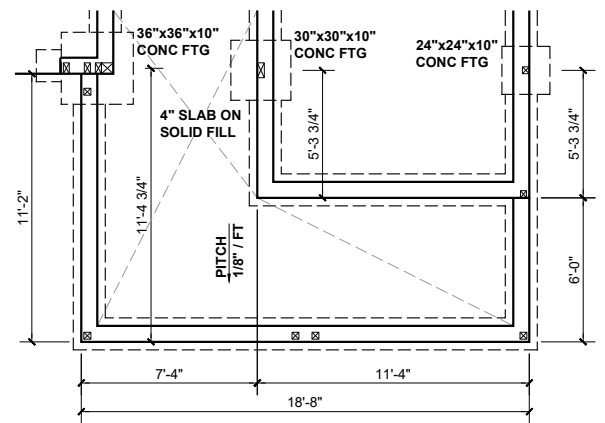
SLAB
FOUNDATION PLAN
S.10B

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

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FIREPLACE 2



OPT. ENLARGED PORCH

STEM WALL FOUNDATION PLAN - 'B'
SCALE: 1/8"=1'-0"

BEAM & POINT LOAD LEGEND

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

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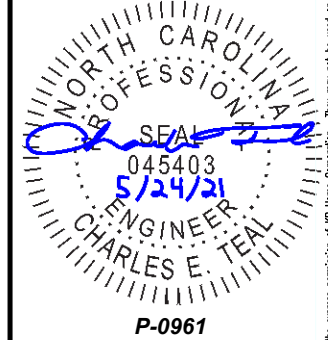
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- NO SUBSTITUTION ALLOWED IF ANY SOILS HAVE BEEN FOUND TO BE EXPANSIVE SOILS ON SITE
- NO SUBSTITUTION ALLOWED FOR SLAB POURS DIRECTLY ON GRADE; A 4" BASE MATERIAL OF CRUSHED STONE OR WELL DRAINING CLEAN SAND IS REQUIRED FOR SUBSTITUTION
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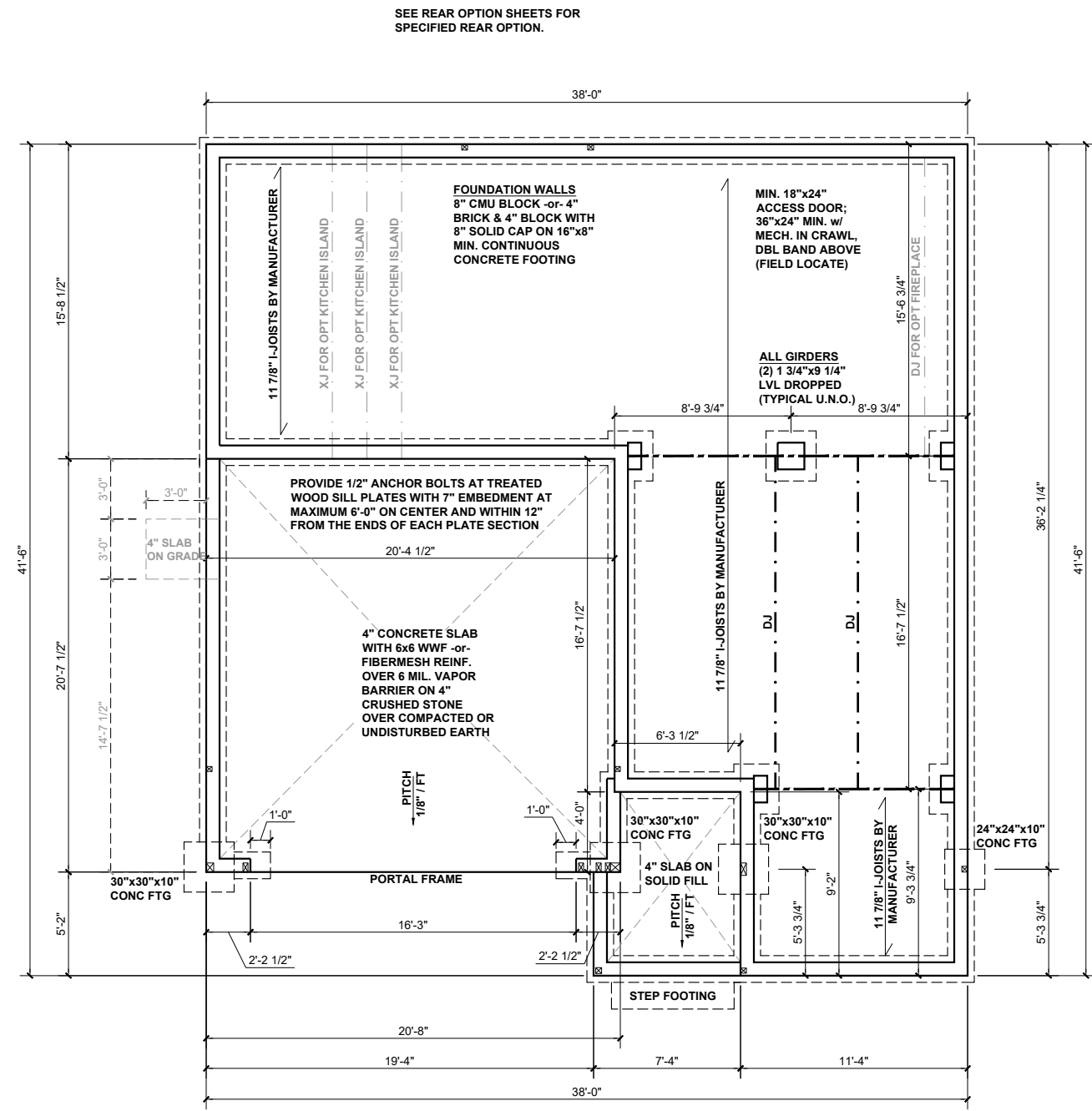


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STEM WALL
FOUNDATION PLAN
S.20B

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CRAWL SPACE FOUNDATION PLAN - 'B'
SCALE: 1/8"=1'-0"

BEAM & POINT LOAD LEGEND

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

FOUNDATION STRUCTURAL NOTES:

1. CONCRETE BLOCK PIER SIZE SHALL BE:

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

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

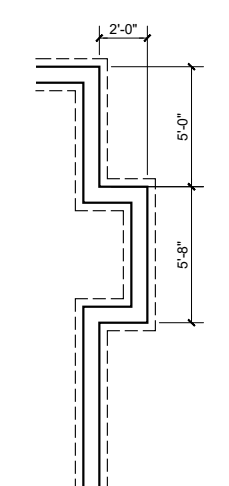
FLOOR FRAMING TO BE 11 7/8" DEEP TJI 210 SERIES OR EQUAL, 19.2" OC MAXIMUM SPACING

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

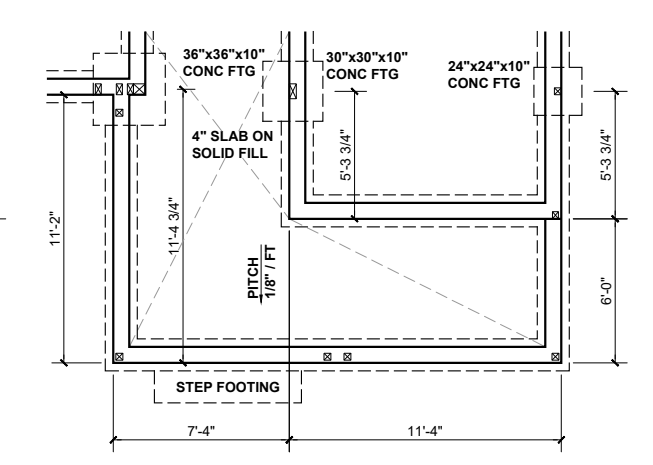
I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

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

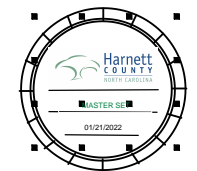
(1) #5 REBAR @ CENTER OF ALL PERIMETER FOOTINGS. (2" C.C. MIN)



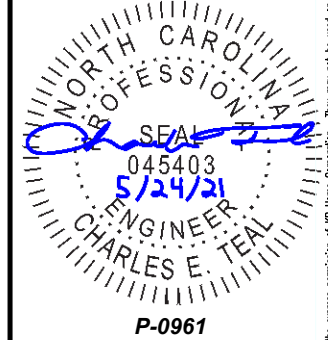
FIREPLACE 2



OPT. ENLARGED PORCH



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P-0961

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



PROJECT NO.: 21901127
DATE: 05/21/2021

PLAN:
238.2338

CRAWL SPACE
FOUNDATION PLAN

S.30B

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DATE: 05/21/2021

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238.2338

FIRST FLOOR
CEILING FRAMING PLAN

S1.0B

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

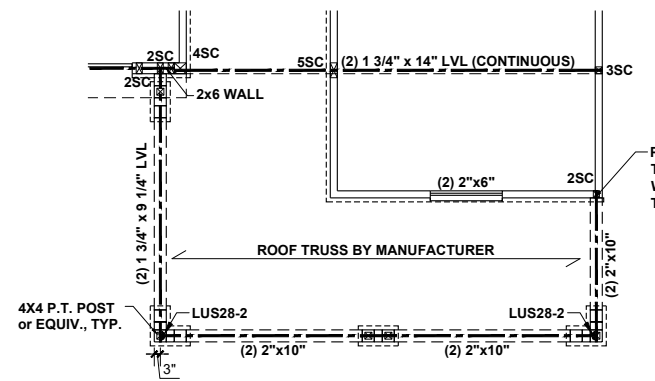
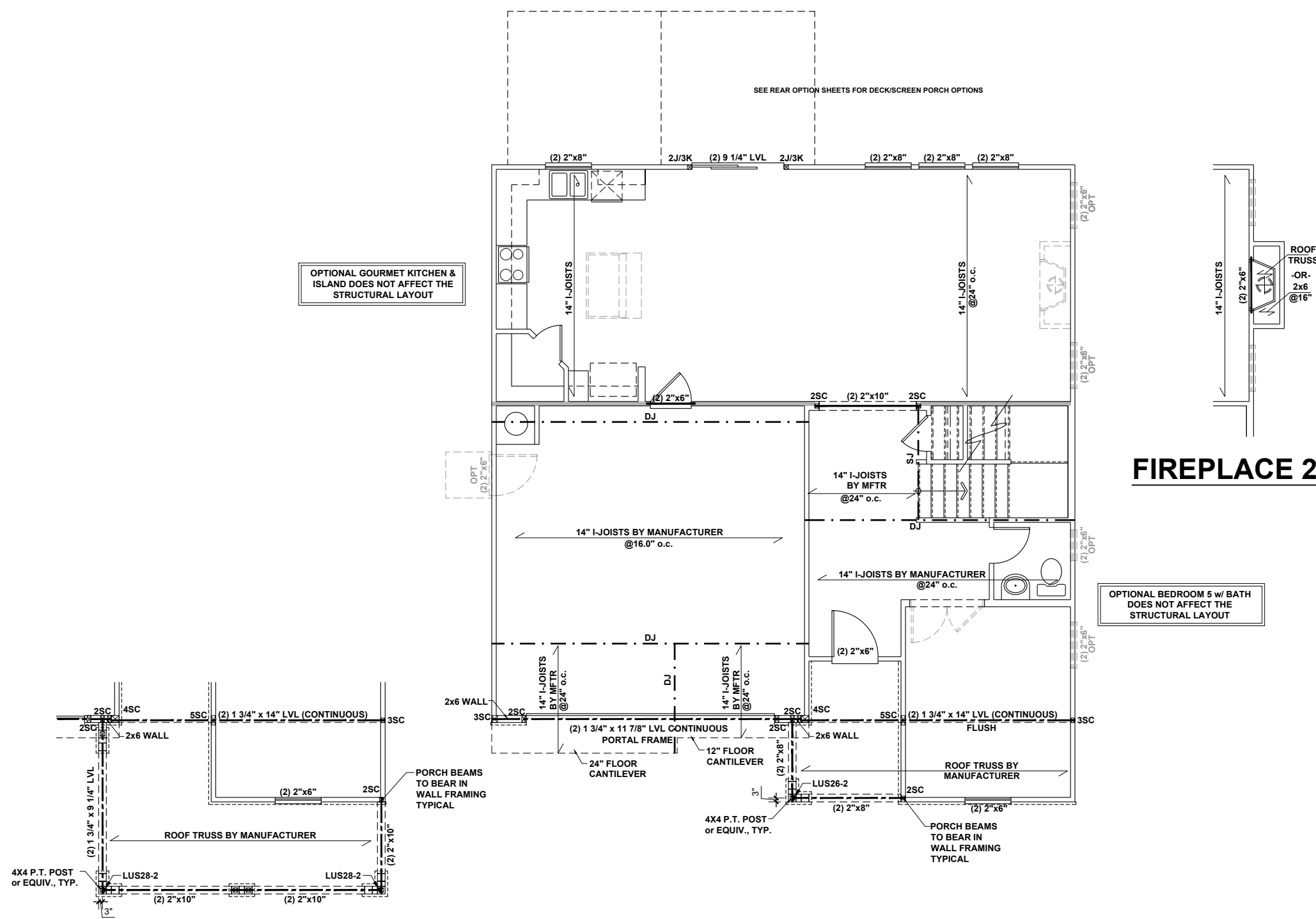
- STRUCTURAL FRAMING NOTES - (SEE GENERAL NOTES SHEET FOR ADDITIONAL REQUIREMENTS.)
- ALL FRAMING TO BE #2 SPF MINIMUM.
 - ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTED w/ MIN (1) JACK AND (1) KING EACH END, UNO.
 - EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.
 - ALL NON-BEARING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

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.

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

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



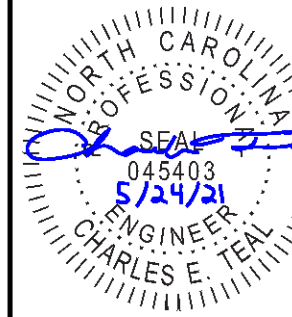
ENLARGED PORCH OPTION

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

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P-0961

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SECOND FLOOR
CEILING FRAMING PLAN

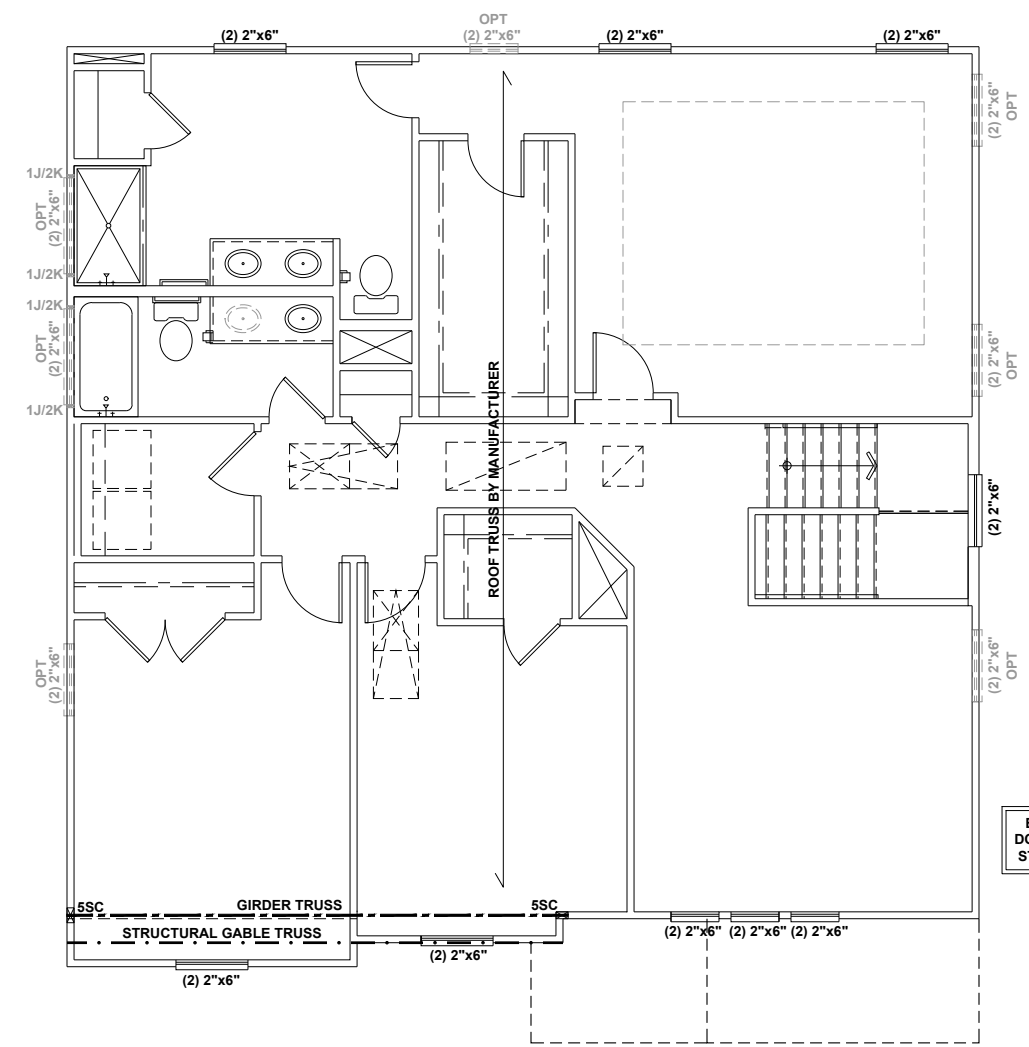
S2.0B

| BEAM & POINT LOAD LEGEND | |
|--------------------------|------------------------------------------------|
| | INTERIOR LOAD BEARING WALL |
| | ROOF RAFTER / TRUSS SUPPORT |
| | DOUBLE RAFTER / DOUBLE JOIST |
| | STRUCTURAL BEAM / GIRDER |
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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.

MASTER BATH OPTIONS DO NOT AFFECT THE STRUCTURAL LAYOUT

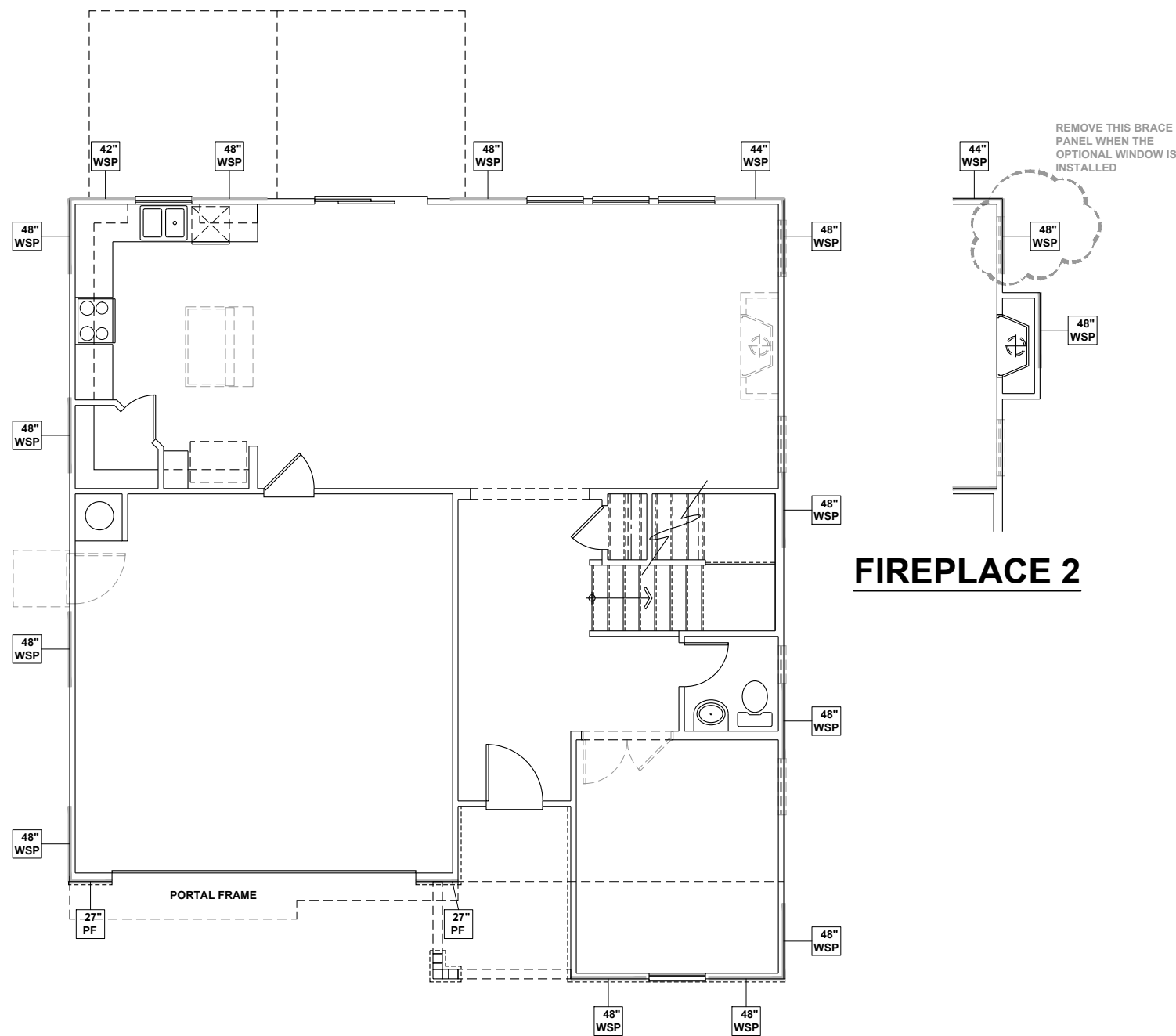


BEDROOM 4 OPTION DOES NOT AFFECT THE STRUCTURAL LAYOUT

SECOND FLOOR CEILING FRAMING PLAN - 'B'

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

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WALL BRACING REQUIREMENTS

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

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

SCALED LENGTH OF WALL PANEL AT LOCATION: 24" WSP. NUMERICAL LENGTH OF PANEL: 48" WSP. PANEL TYPE: [Symbol]

ENGINEERED WALL SCHEDULE

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

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

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

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

WALL BRACING NOTE:

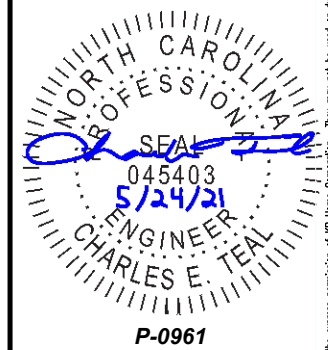
WALLS WITH PROVIDED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCRC. THESE WALLS HAVE BEEN ENGINEERED BASED ON DESIGN GUIDELINES ESTABLISHED IN ASCE-07 AND THE NDS: WIND & SEISMIC PROVISIONS SUPPLEMENT.

WALL BRACING: RECTANGLE 1

| SIDE | REQUIRED LENGTH | PROVIDED LENGTH |
|-------|-----------------|-----------------|
| FRONT | 13.5 FT. | 17.0 FT. |
| LEFT | 11.0 FT. | 16.0 FT. |
| REAR | 13.5 FT. | 15.16 FT. |
| RIGHT | 11.0 FT. | 16.0 FT. |



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P-0961

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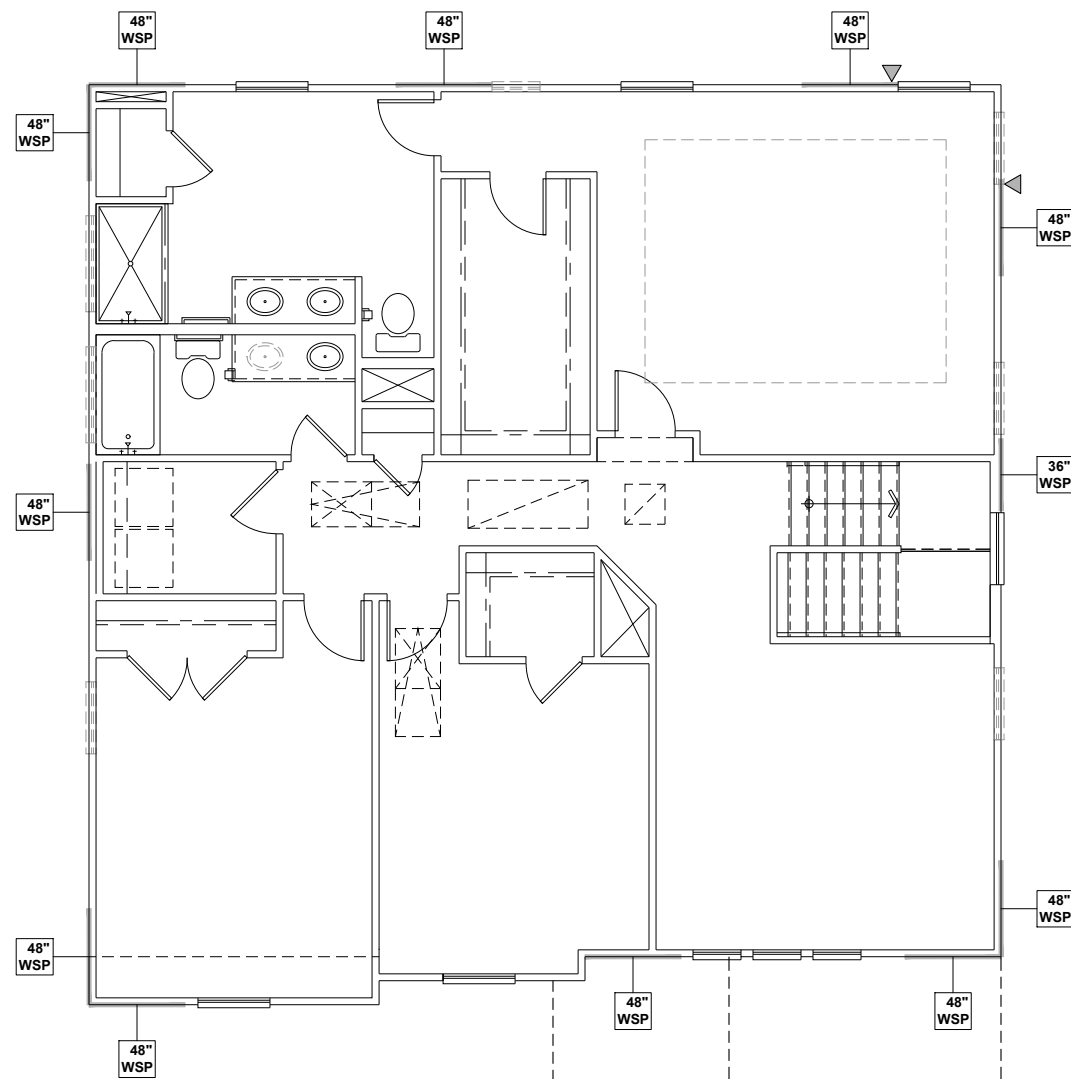
PROJECT NO.: 21901127
DATE: 05/21/2021

PLAN:
238.2338

FIRST FLOOR
WALL BRACING PLAN
S4.0B

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

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WALL BRACING REQUIREMENTS

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- FIGURES BASED ON THE CONTINUOUS SHEATHING METHOD USING THE RECTANGLE CIRCUMSCRIBED AROUND THE FLOOR PLAN OR PORTION OF THE FLOOR PLAN. IF NO RECTANGLE IS NOTED, THE STRUCTURE HAS BEEN FIGURED ALL WITHIN ONE RECTANGLE.
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SCALED LENGTH OF WALL PANEL AT LOCATION

24" WSP

NUMERICAL LENGTH OF PANEL

PANEL TYPE

ENGINEERED WALL SCHEDULE

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WALL BRACING NOTE:

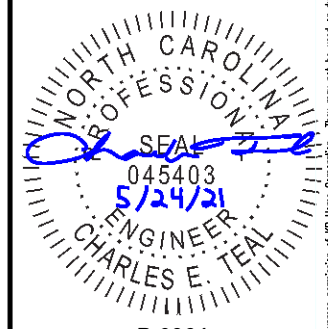
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WALL BRACING: RECTANGLE 1

| SIDE | REQUIRED LENGTH | PROVIDED LENGTH |
|-------|-----------------|-----------------|
| FRONT | 6.5 FT. | 12.0 FT. |
| LEFT | 5.5 FT. | 12.0 FT. |
| REAR | 6.5 FT. | 12.0 FT. |
| RIGHT | 5.5 FT. | 11.0 FT. |



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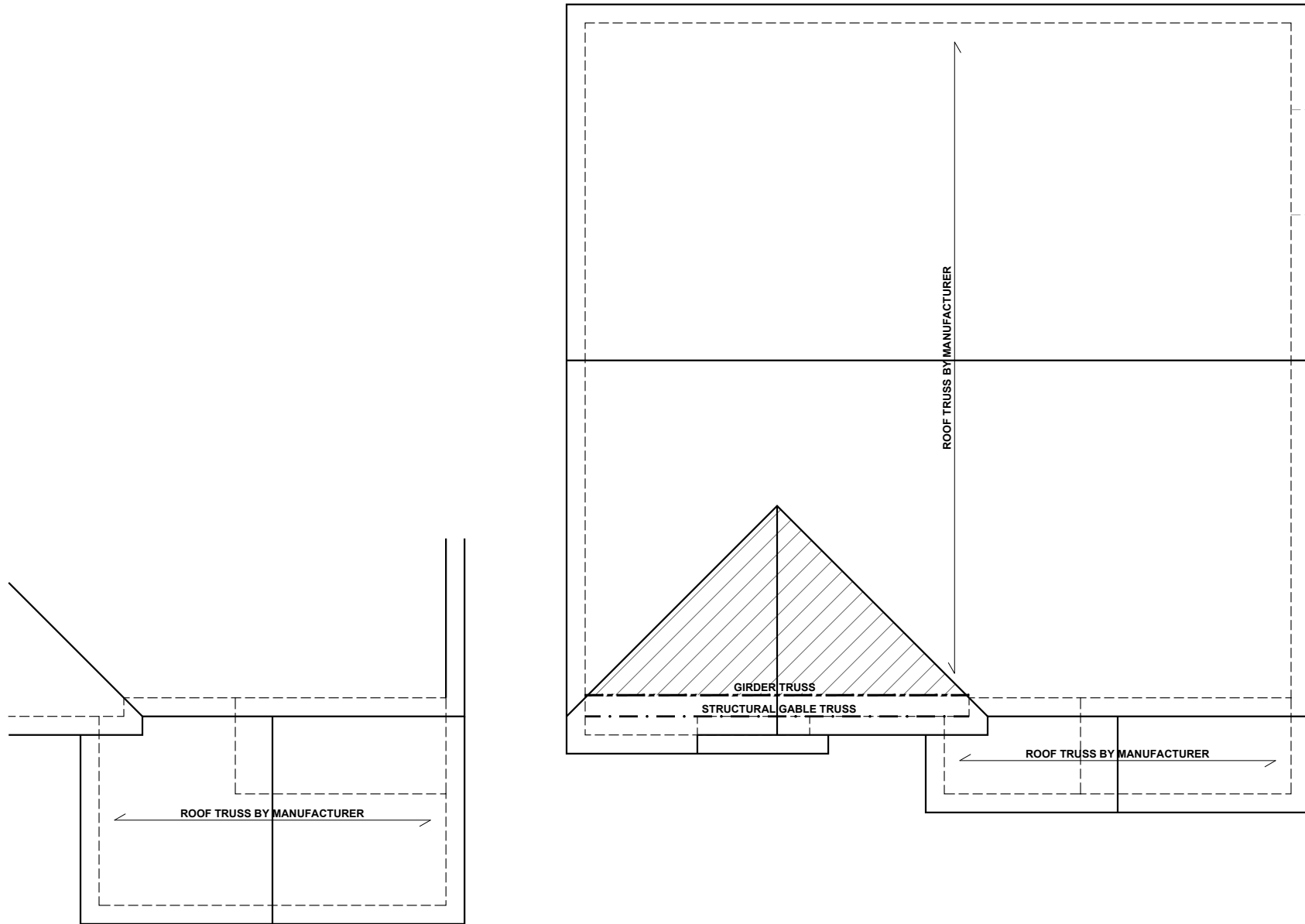
PROJECT NO.: 21901127
DATE: 05/21/2021

PLAN:
238.2338

SECOND FLOOR
WALL BRACING PLAN
S5.0B

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

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BEAM & POINT LOAD LEGEND

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

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

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

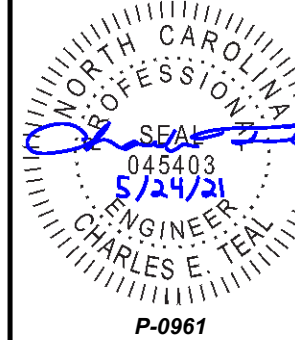
TRUSSES SHALL BE ATTACHED TO SUPPORT WALL FOR UPLIFT RESISTANCE. CONTINUOUS OSB WALL SHEATHING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES SUPPORTED BY INTERMEDIATE SUPPORT WALLS, KNEEWALLS, OR BEAMS SHALL BE ATTACHED TO SUPPORTING MEMBER PER SCHEDULE:

ROOF SPAN IS MEASURED HORIZONTALLY BETWEEN FURTHEST SUPPORT POINTS.

| | |
|-------------------------------|-------------------------------------------------------------------------------------------------------------|
| 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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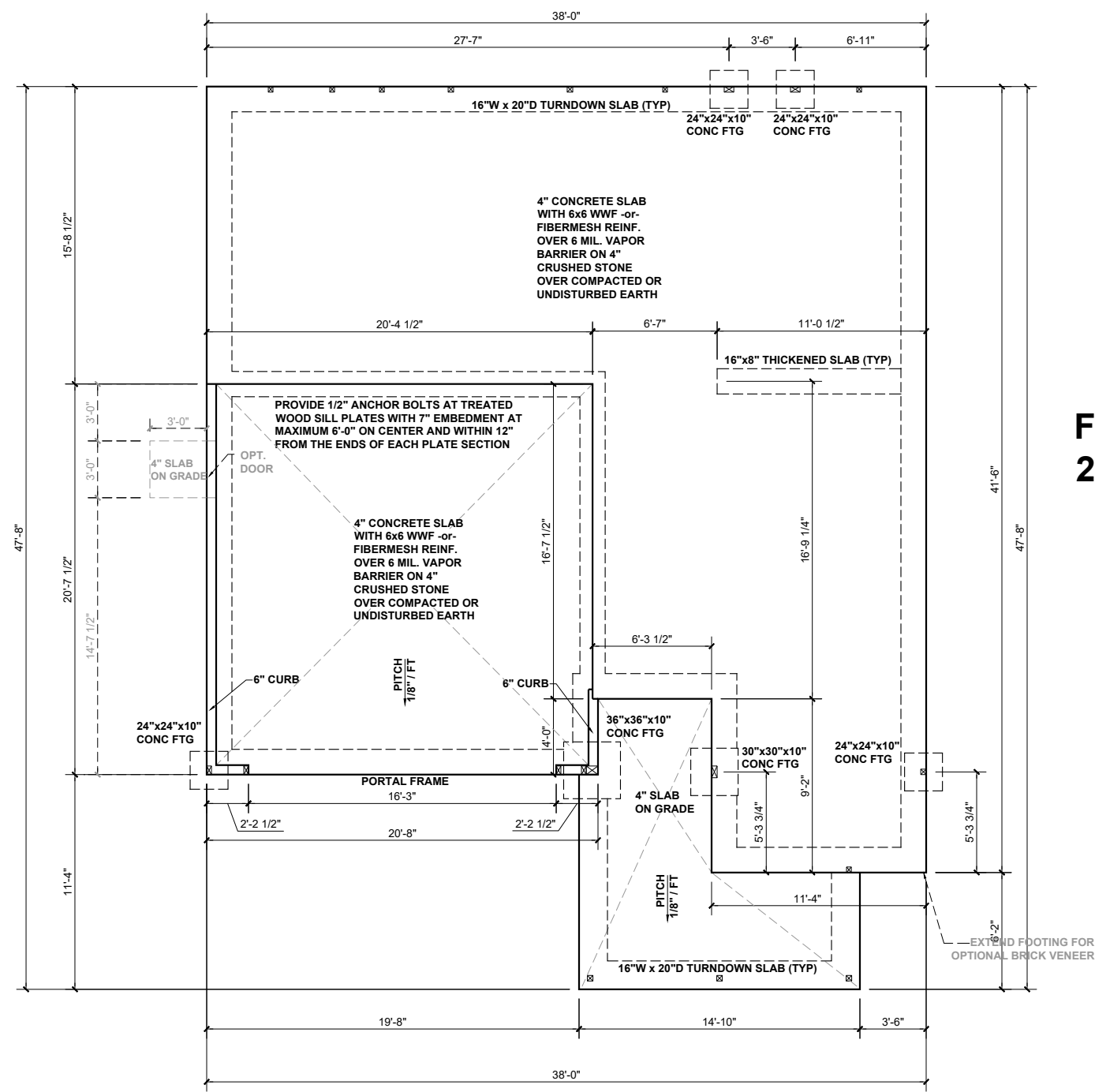
PLAN:
238.2338

ROOF FRAMING PLAN

S7.0B

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

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**FIREPLACE
2**

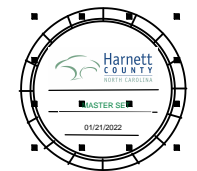
| BEAM & POINT LOAD LEGEND | |
|--------------------------|------------------------------------------------|
| | INTERIOR LOAD BEARING WALL |
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| | POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER |

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

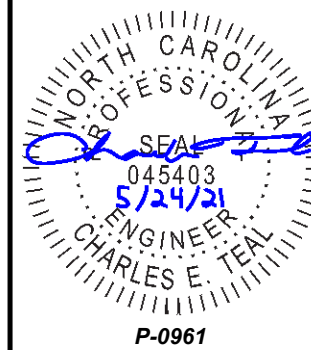
ALL CONCRETE CURBS SUPPORTING PORTAL FRAMED OR ENGINEERED OPENINGS IN GARAGES WITH A PONY WALL OVER 24" ABOVE THE GARAGE DOOR HEADER SHALL BE REQUIRED TO BE AT LEAST 8" WIDE.

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

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



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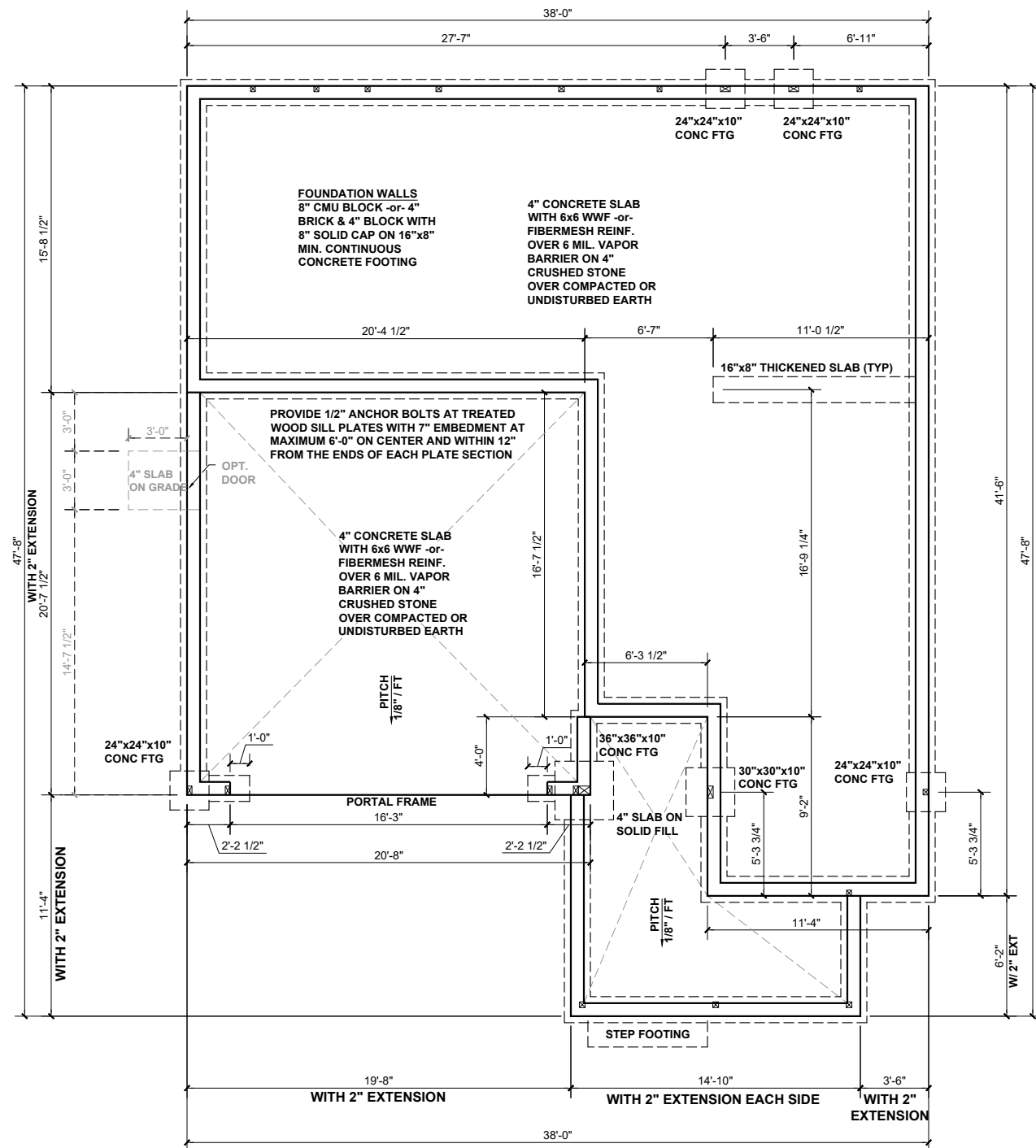
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PLAN:
238.2338

SLAB
FOUNDATION PLAN
S.10C

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

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STEM WALL FOUNDATION PLAN - 'C'
SCALE: 1/8"=1'-0"

BEAM & POINT LOAD LEGEND

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

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

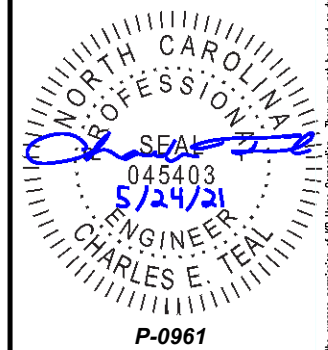
ALL CONCRETE CURBS SUPPORTING PORTAL FRAMED OR ENGINEERED OPENINGS IN GARAGES WITH A PONY WALL OVER 24" ABOVE THE GARAGE DOOR HEADER SHALL BE REQUIRED TO BE AT LEAST 8" WIDE.

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

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



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

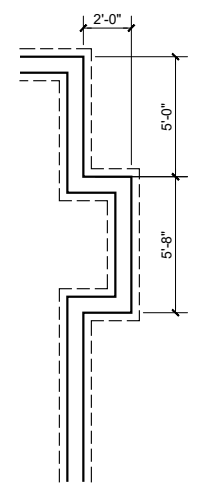
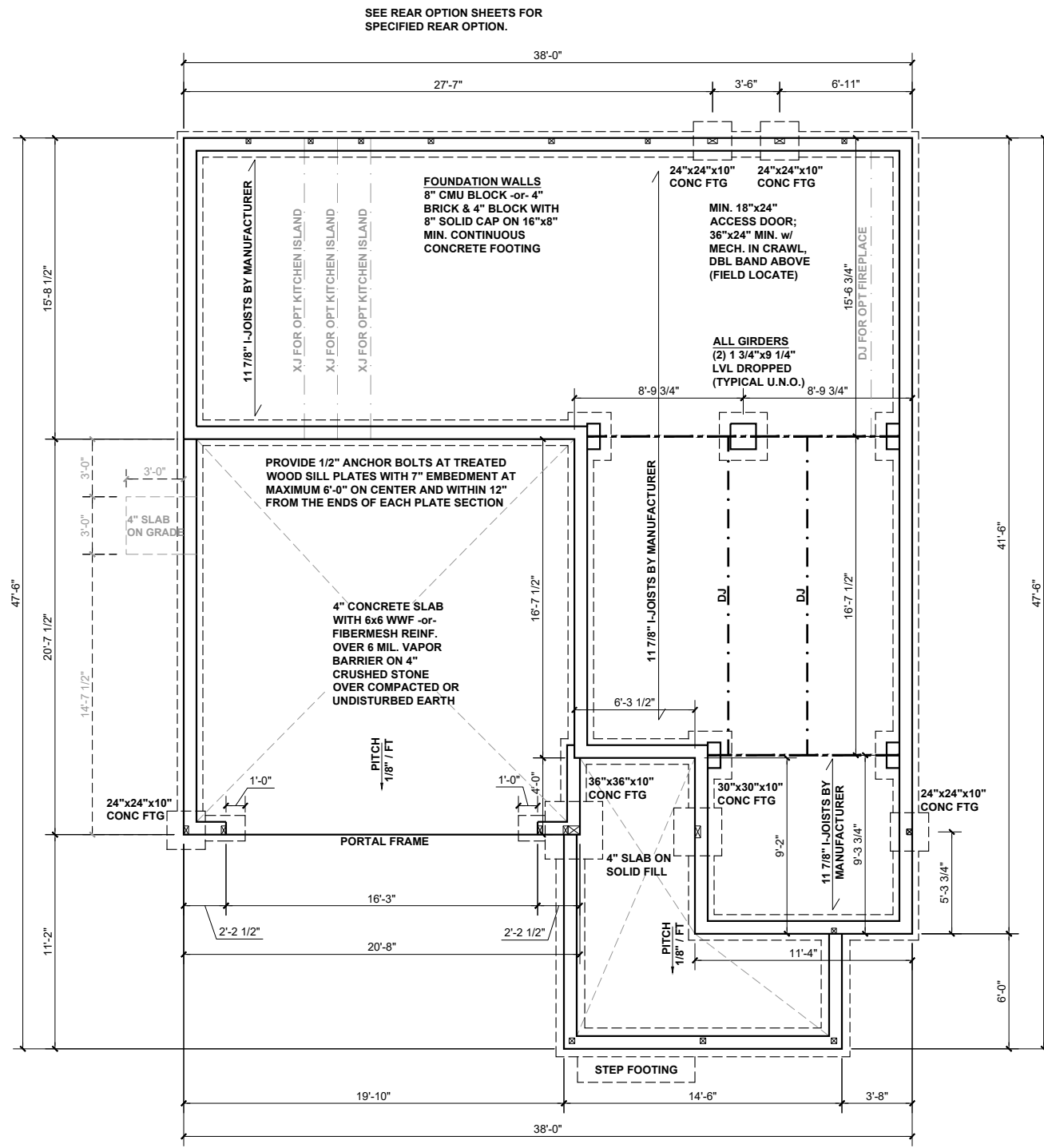


PROJECT NO.: 21901127
DATE: 05/21/2021

PLAN:
238.2338

STEM WALL
FOUNDATION PLAN
S.20C

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BEAM & POINT LOAD LEGEND

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

FOUNDATION STRUCTURAL NOTES:

1. CONCRETE BLOCK PIER SIZE SHALL BE:

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

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

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

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

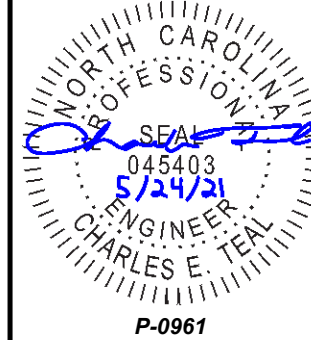
I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

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

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



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PLAN:
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CRAWL SPACE
FOUNDATION PLAN

S.30C

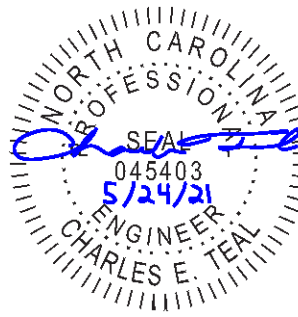
CRAWL SPACE FOUNDATION PLAN - 'C'

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

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P-0961

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FIRST FLOOR
CEILING FRAMING PLAN

S1.0C

| BEAM & POINT LOAD LEGEND | |
|--------------------------|------------------------------------------------|
| | INTERIOR LOAD BEARING WALL |
| | ROOF RAFTER / TRUSS SUPPORT |
| | DOUBLE RAFTER / DOUBLE JOIST |
| | STRUCTURAL BEAM / GIRDER |
| | WINDOW / DOOR HEADER |
| | POINT LOAD TRANSFER |
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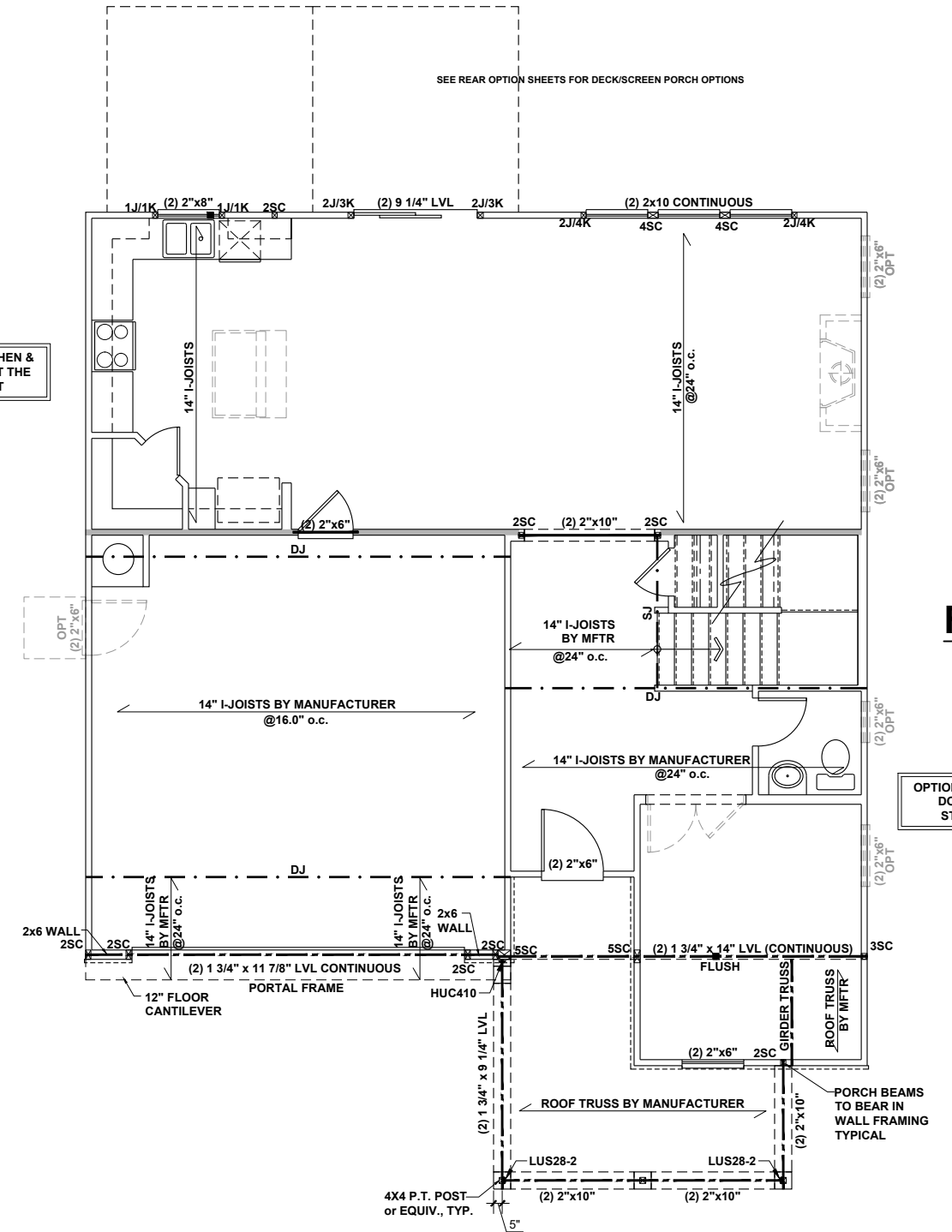
- STRUCTURAL FRAMING NOTES - (SEE GENERAL NOTES SHEET FOR ADDITIONAL REQUIREMENTS.)
- ALL FRAMING TO BE #2 SPF MINIMUM.
 - ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTED w/ MIN (1) JACK AND (1) KING EACH END, UNO.
 - EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.
 - ALL NON-BEARING 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.

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

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



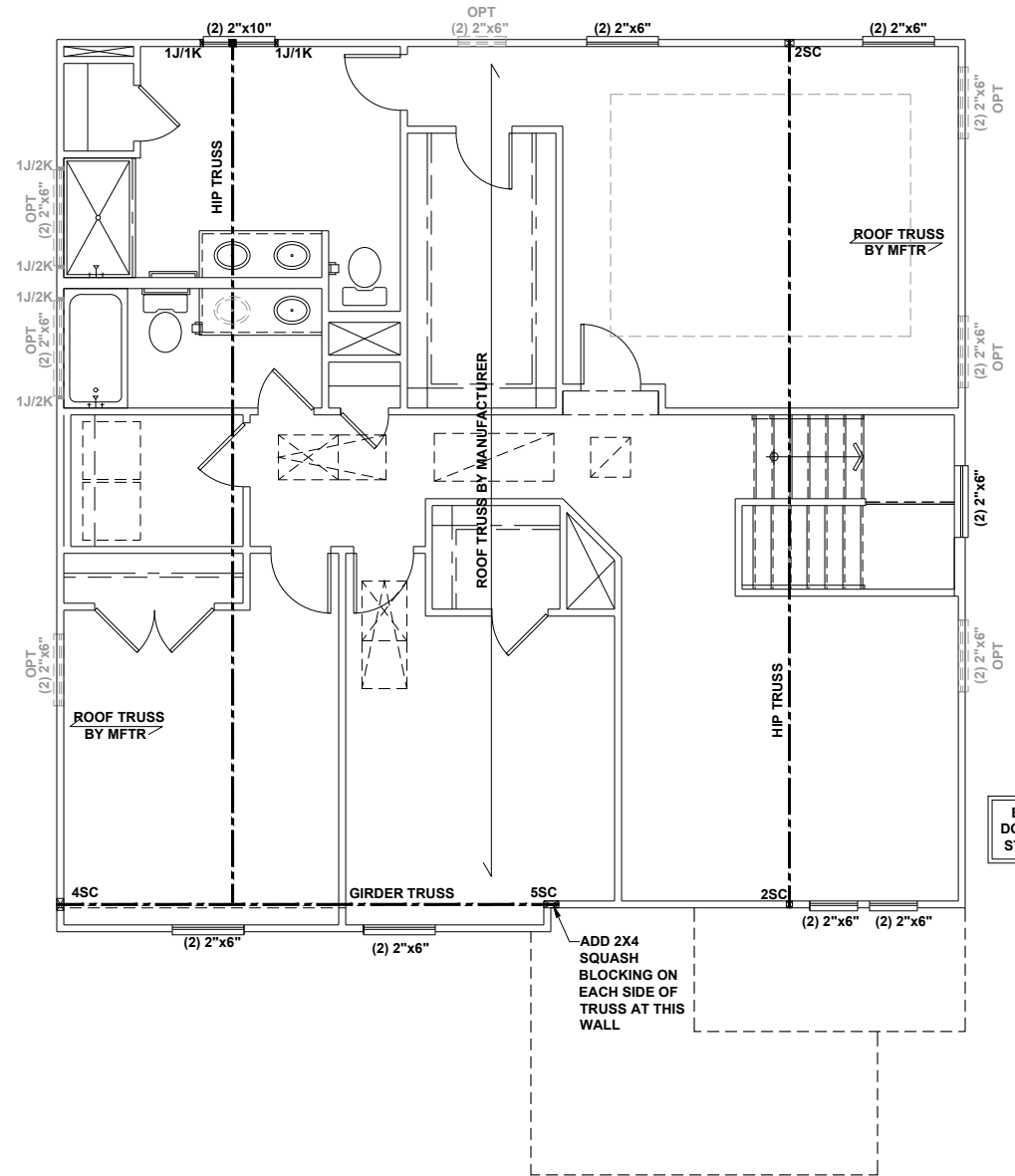
FIREPLACE 2

FIRST FLOOR CEILING FRAMING PLAN - 'C'

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

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MASTER BATH OPTIONS
DO NOT AFFECT THE
STRUCTURAL LAYOUT



| BEAM & POINT LOAD LEGEND | |
|--------------------------|------------------------------------------------|
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| | ROOF RAFTER / TRUSS SUPPORT |
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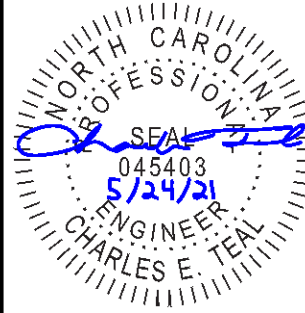
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P-0961

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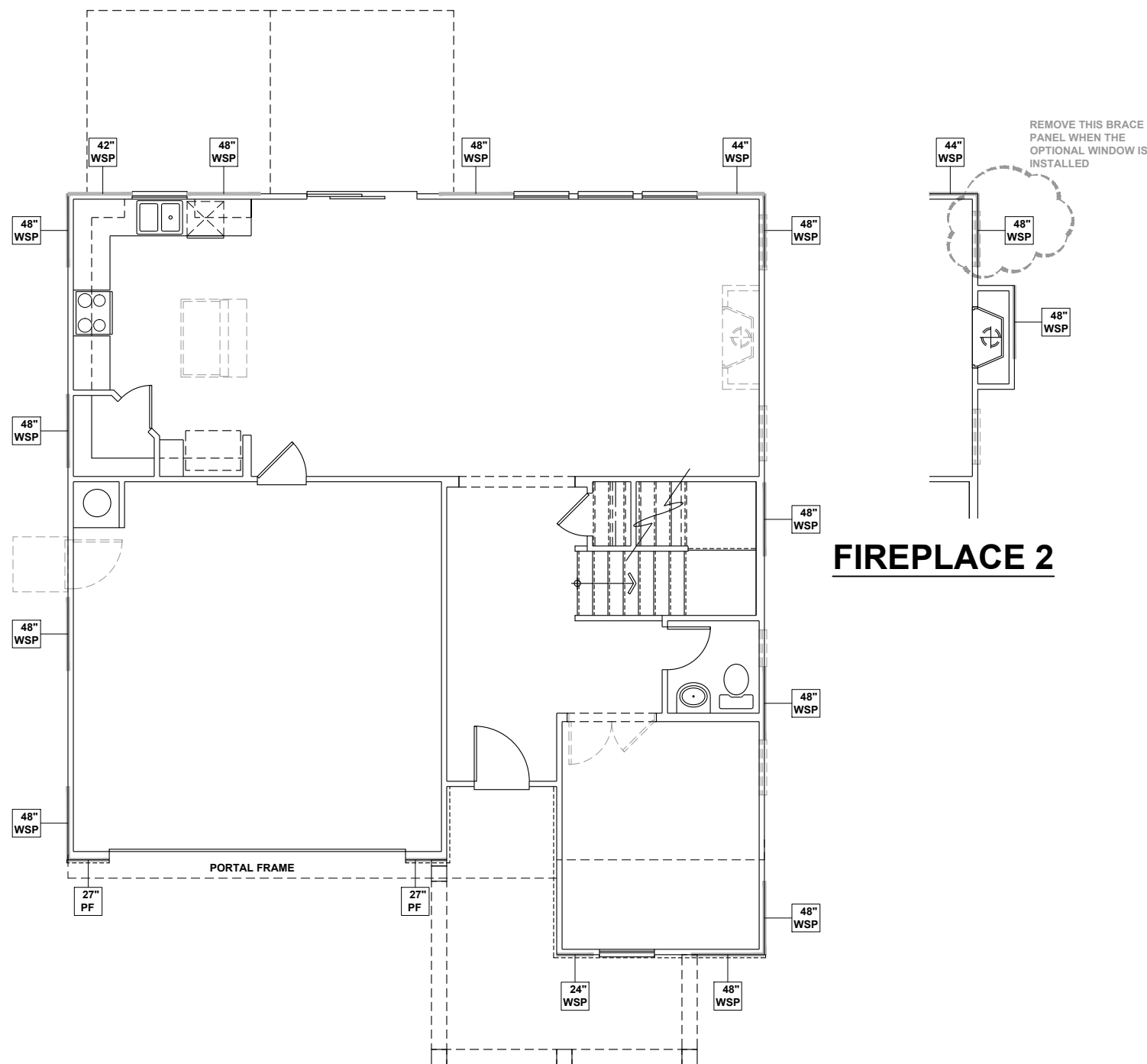
SECOND FLOOR
CEILING FRAMING PLAN

S2.0C

SECOND FLOOR CEILING FRAMING PLAN - 'C'

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

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WALL BRACING REQUIREMENTS

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

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

SCALED LENGTH OF WALL PANEL AT LOCATION

24" WSP

NUMERICAL LENGTH OF PANEL

PANEL TYPE

ENGINEERED WALL SCHEDULE

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

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

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

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

WALL BRACING NOTE:

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

WALL BRACING: RECTANGLE 1

| SIDE | REQUIRED LENGTH | PROVIDED LENGTH |
|-------|-----------------|-----------------|
| FRONT | 13.5 FT. | 15.0 FT. |
| LEFT | 11.0 FT. | 16.0 FT. |
| REAR | 13.5 FT. | 15.16 FT. |
| RIGHT | 11.0 FT. | 16.0 FT. |

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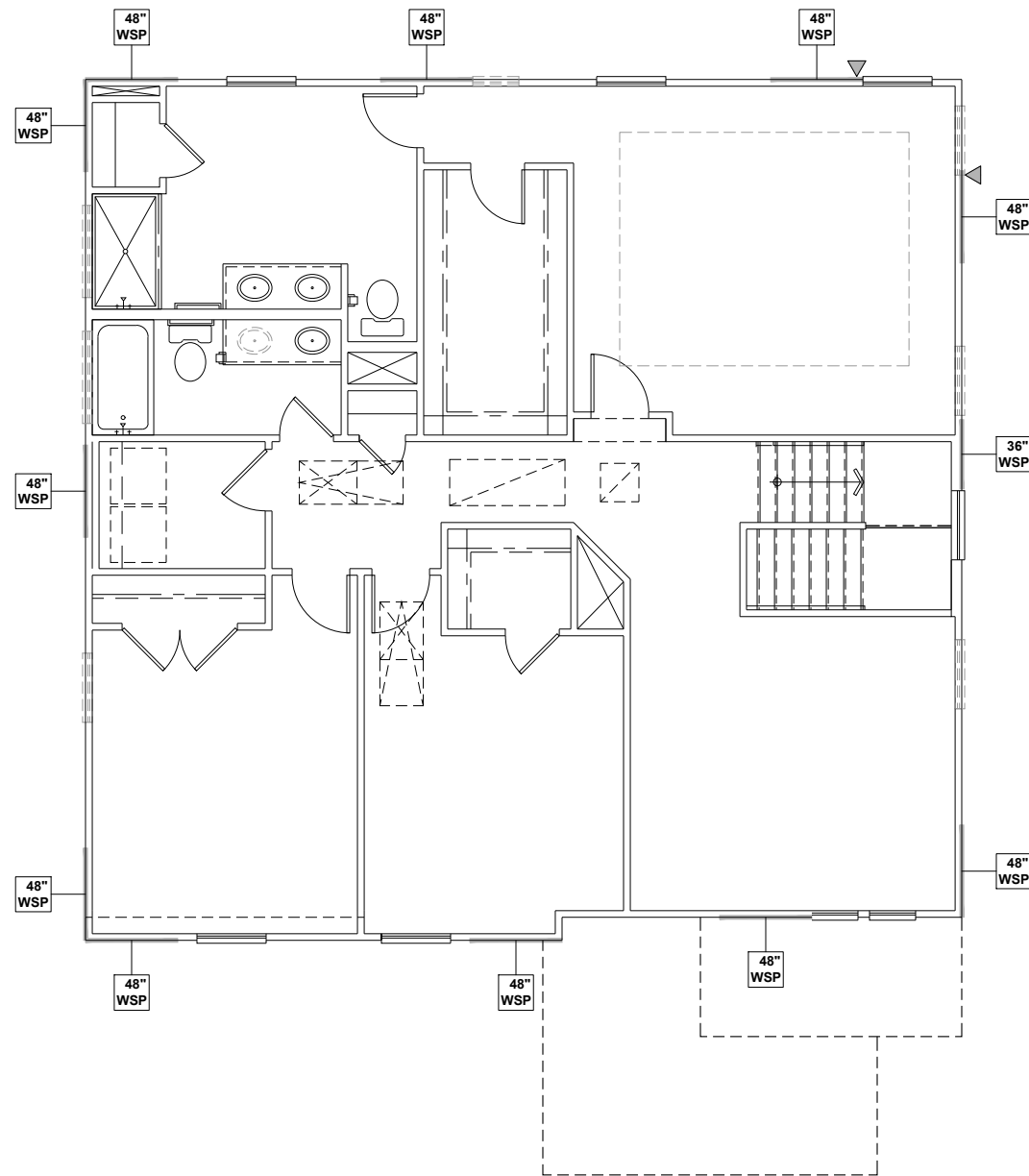
PLAN:
238.2338

FIRST FLOOR
WALL BRACING PLAN

S4.0C

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

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WALL BRACING NOTE:

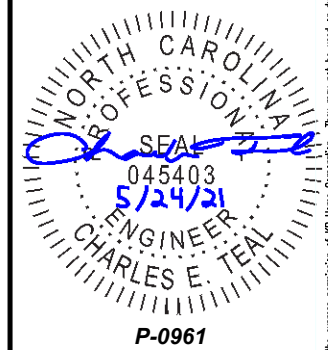
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WALL BRACING: RECTANGLE 1

| SIDE | REQUIRED LENGTH | PROVIDED LENGTH |
|-------|-----------------|-----------------|
| FRONT | 6.5 FT. | 12.0 FT. |
| LEFT | 5.5 FT. | 12.0 FT. |
| REAR | 6.5 FT. | 12.0 FT. |
| RIGHT | 5.5 FT. | 11.0 FT. |



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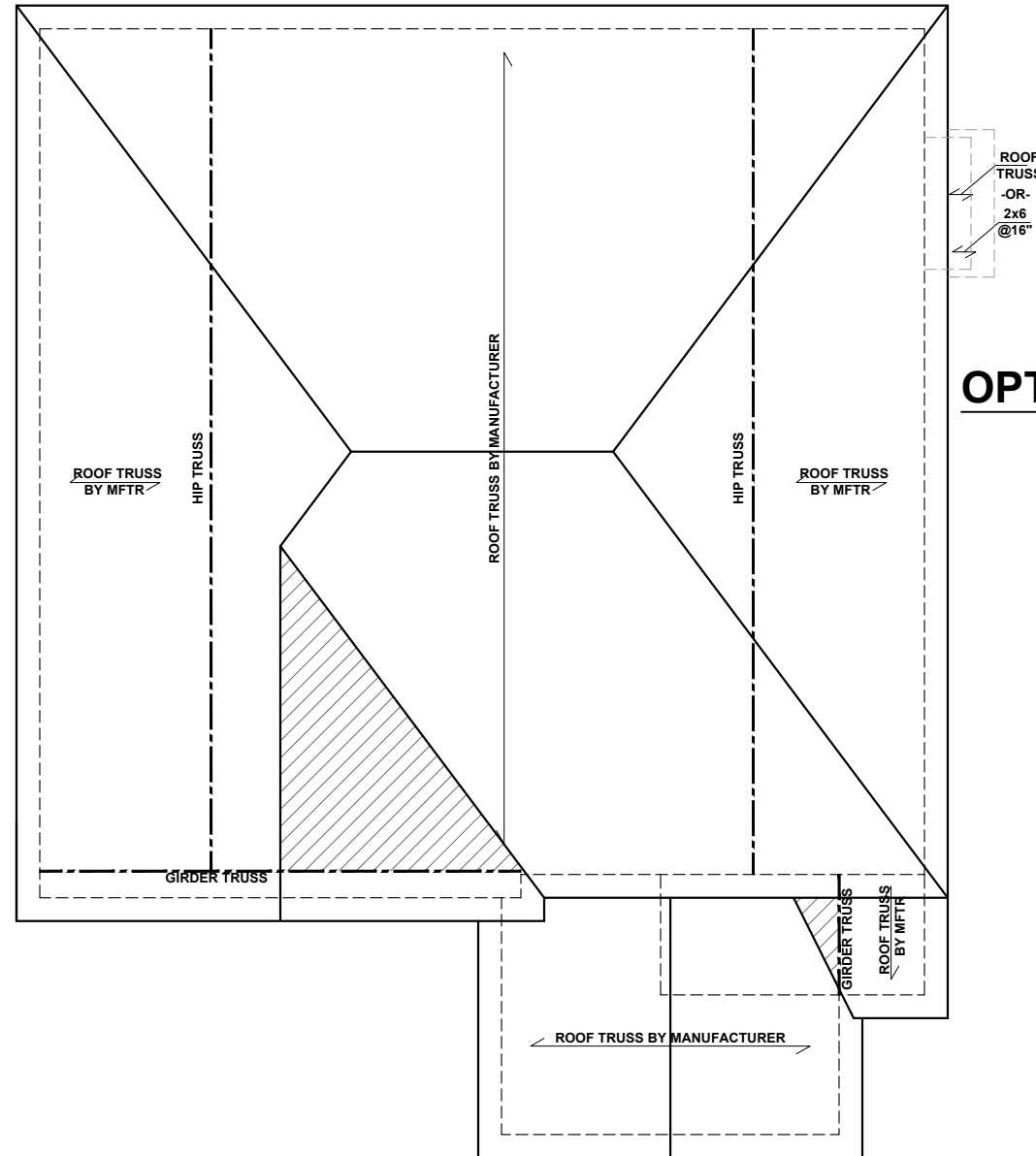
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SECOND FLOOR
WALL BRACING PLAN
S5.0C

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

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OPT. FIREPLACE 2

ROOF FRAMING PLAN - 'C'

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

BEAM & POINT LOAD LEGEND

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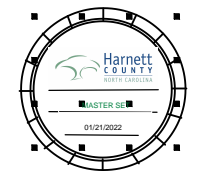
- TRUSSED ROOF - STRUCTURAL NOTES**
- PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
 - DENOTES OVER-FRAMED AREA
 - MINIMUM 7/16" OSB ROOF SHEATHING
 - TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN. TRUSS PROFILES SHALL BE SEALED BY THE TRUSS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

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

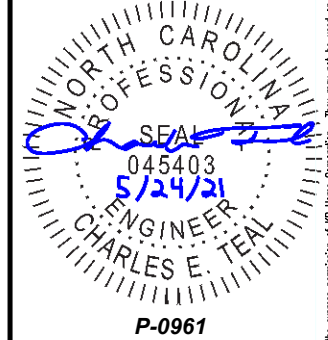
TRUSSES SHALL BE ATTACHED TO SUPPORT WALL FOR UPLIFT RESISTANCE. CONTINUOUS OSB WALL SHEATHING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES SUPPORTED BY INTERMEDIATE SUPPORT WALLS, KNEEWALLS, OR BEAMS SHALL BE ATTACHED TO SUPPORTING MEMBER PER SCHEDULE:

ROOF SPAN IS MEASURED HORIZONTALLY BETWEEN FURTHEST SUPPORT POINTS.

| | |
|-------------------------------|---------------------------------------------------------------------------------------------------------------|
| 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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P-0961

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

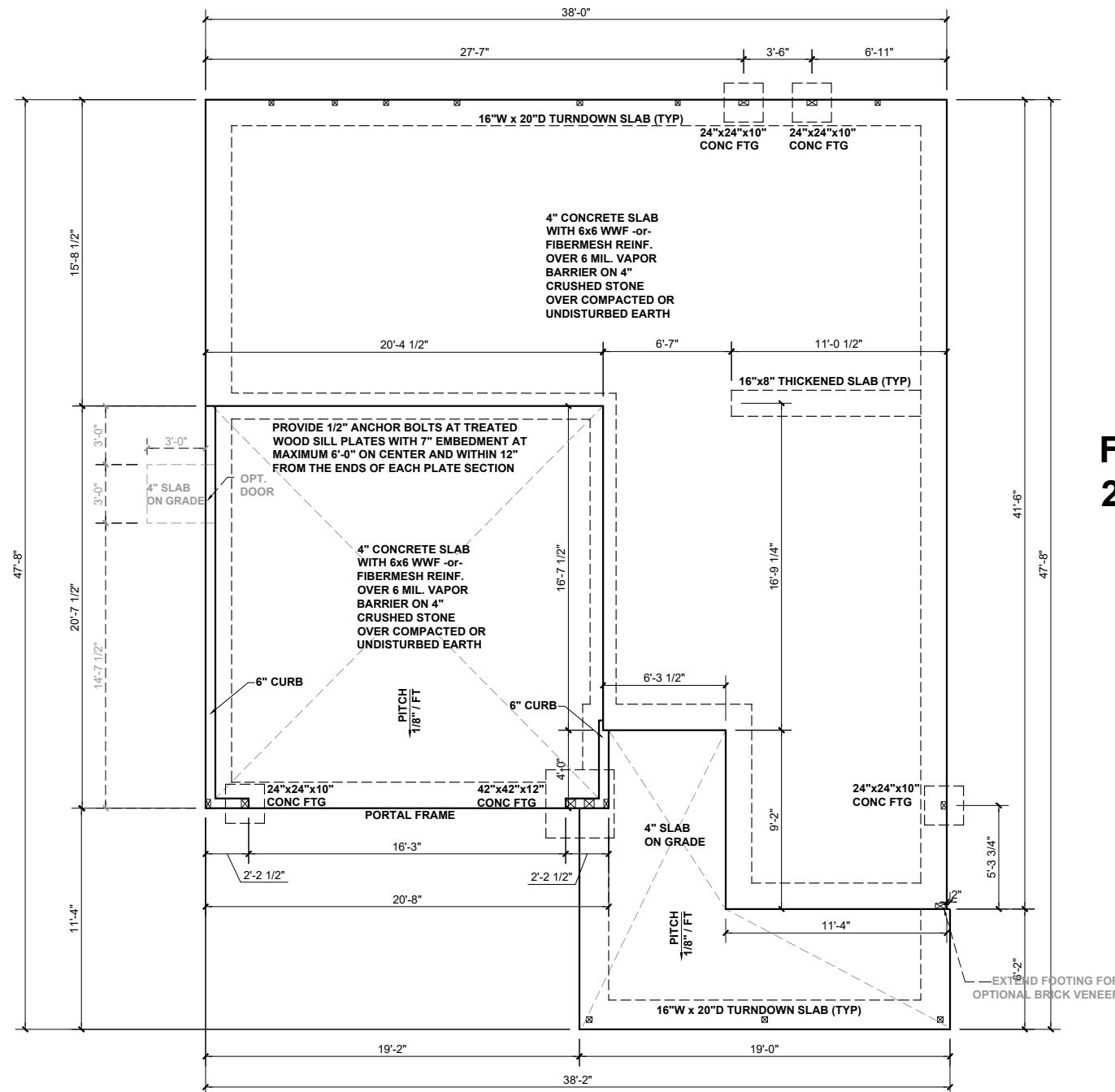
JDS Consulting
8600 D JERSEY CT, RALEIGH, NC 27617-919-480-1075
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PROJECT NO.: 21901127
DATE: 05/21/2021

PLAN:
238.2338

ROOF FRAMING PLAN
S7.0C

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**FIREPLACE
2**

BEAM & POINT LOAD LEGEND

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

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

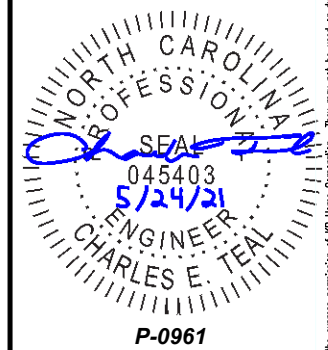
ALL CONCRETE CURBS SUPPORTING PORTAL FRAMED OR ENGINEERED OPENINGS IN GARAGES WITH A PONY WALL OVER 24" ABOVE THE GARAGE DOOR HEADER SHALL BE REQUIRED TO BE AT LEAST 8" WIDE.

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

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



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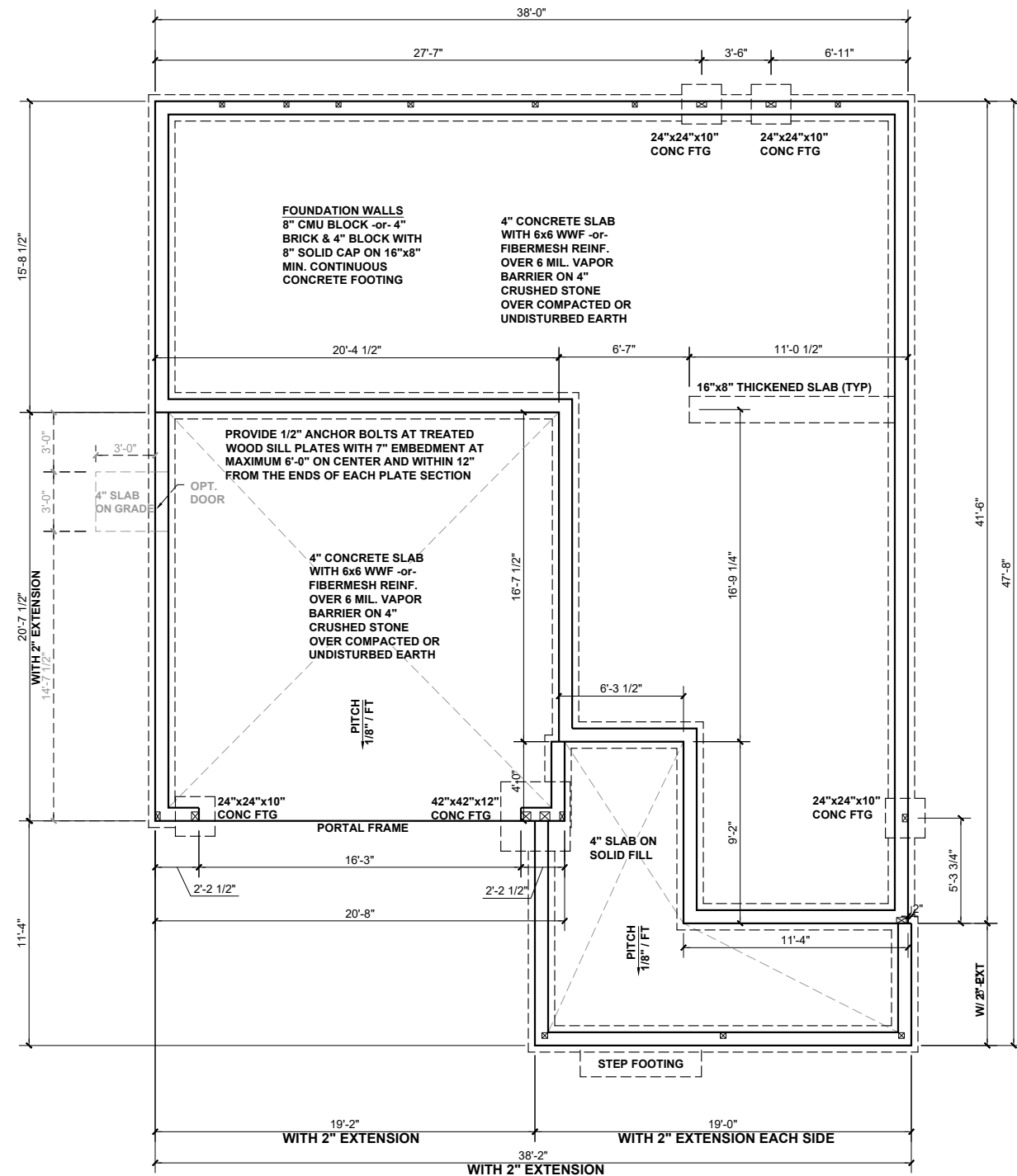
PROJECT NO.: 21901127
DATE: 05/21/2021

PLAN:
238.2338

SLAB
FOUNDATION PLAN
S.10D

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

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FIREPLACE 2

BEAM & POINT LOAD LEGEND

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

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

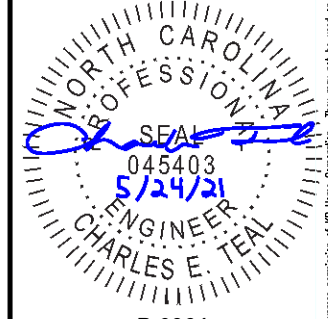
ALL CONCRETE CURBS SUPPORTING PORTAL FRAMED OR ENGINEERED OPENINGS IN GARAGES WITH A PONY WALL OVER 24" ABOVE THE GARAGE DOOR HEADER SHALL BE REQUIRED TO BE AT LEAST 8" WIDE.

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



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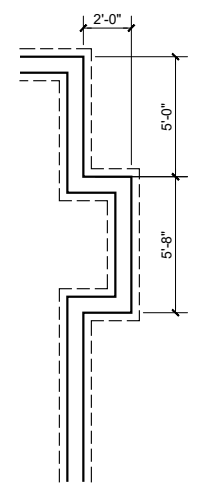
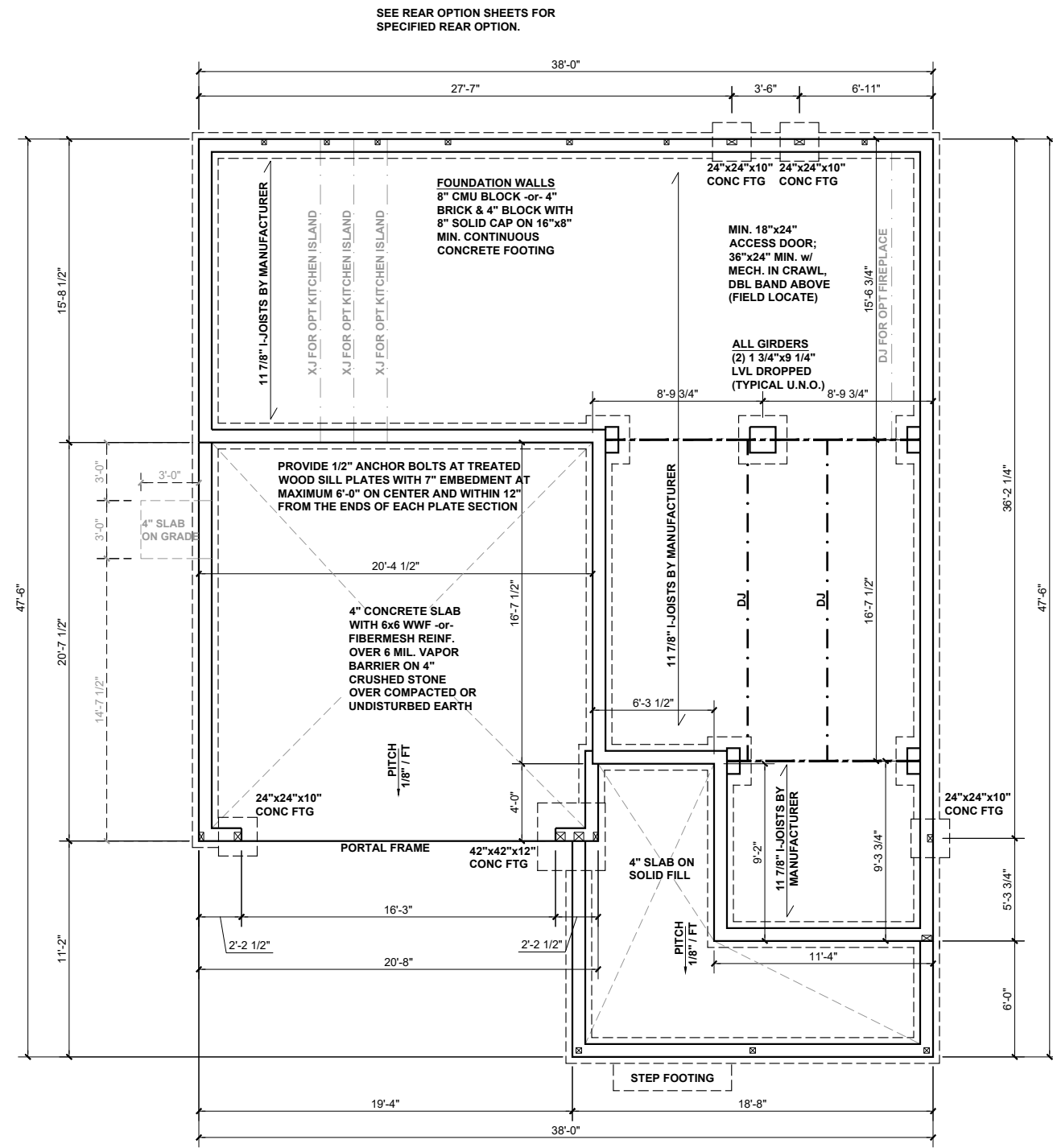
PROJECT NO.: 21901127
DATE: 05/21/2021

PLAN:
238.2338

STEM WALL
FOUNDATION PLAN
S.20D

STEM WALL FOUNDATION PLAN - 'D'
SCALE: 1/8"=1'-0"

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BEAM & POINT LOAD LEGEND

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

FOUNDATION STRUCTURAL NOTES:

1. CONCRETE BLOCK PIER SIZE SHALL BE:

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

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

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

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

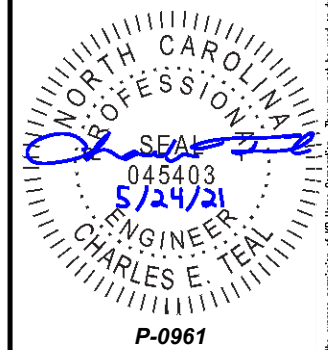
I-JOIST SPACING NOT TO EXCEED 19.2" OC IN LOCATIONS WITH TILE FINISH FLOOR

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

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



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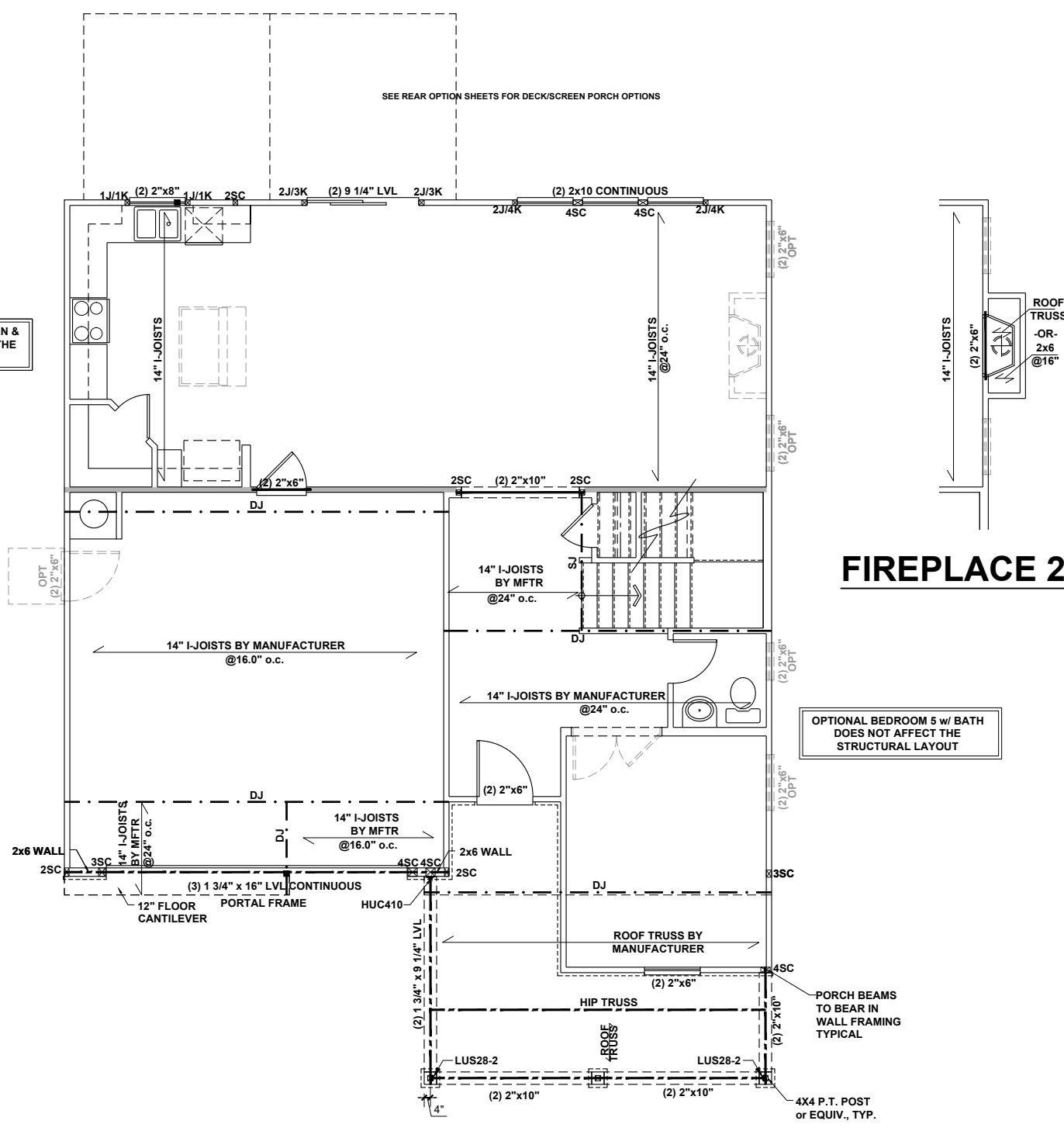
PLAN:
238.2338

CRAWL SPACE
FOUNDATION PLAN

S.30D

CRAWL SPACE FOUNDATION PLAN - 'D'
SCALE: 1/8"=1'-0"

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BEAM & POINT LOAD LEGEND

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

- 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

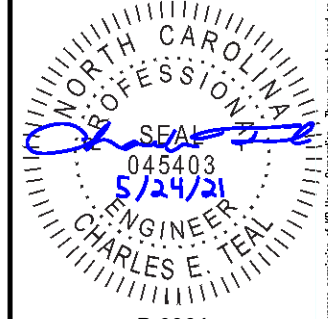
ALL FLUSH BEAMS TO BE DIRECTLY SUPPORTED BY (2) 2X STUDS UNLESS OTHERWISE NOTED. STUD COLUMNS TO BE SUPPORTED BY SOLID BLOCKING TO FOUNDATION OR TO BEARING COMPONENT BELOW.

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

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



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PROJECT NO.: 21901127
DATE: 05/21/2021

PLAN:
238.2338

FIRST FLOOR
CEILING FRAMING PLAN

S1.0D

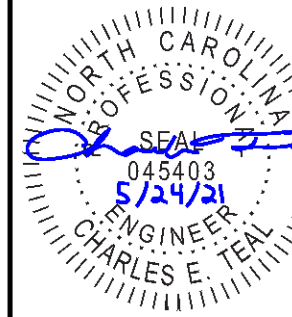
FIRST FLOOR CEILING FRAMING PLAN - 'D'

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

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PLAN:
238.2338

SECOND FLOOR
CEILING FRAMING PLAN

S2.0D

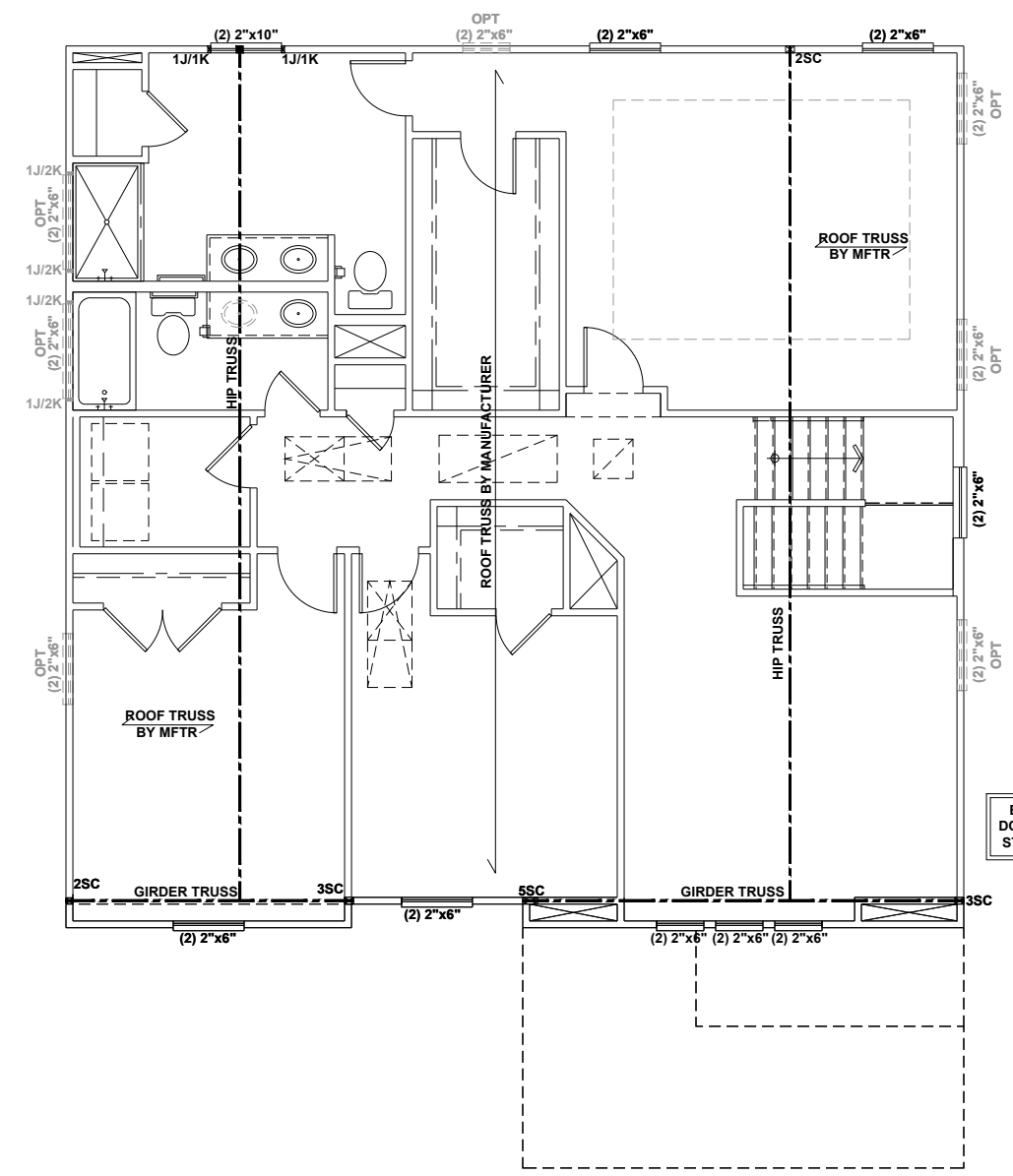
| BEAM & POINT LOAD LEGEND | |
|--------------------------|------------------------------------------------|
| | INTERIOR LOAD BEARING WALL |
| | ROOF RAFTER / TRUSS SUPPORT |
| | DOUBLE RAFTER / DOUBLE JOIST |
| | STRUCTURAL BEAM / GIRDER |
| | WINDOW / DOOR HEADER |
| | POINT LOAD TRANSFER |
| | POINT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

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- ALL FRAMING TO BE #2 SPF MINIMUM.
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 - FOR STUD COLUMNS OF 4 OR MORE, INSTALL SST CS16 STRAPS @ 30" OC, 6" MAX FROM PLATES, ON INSIDE FACE OF COLUMN (EXTERIOR WALL), ON BOTH FACES OF COLUMN (INTERIOR WALL).

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

MASTER BATH OPTIONS DO NOT AFFECT THE STRUCTURAL LAYOUT

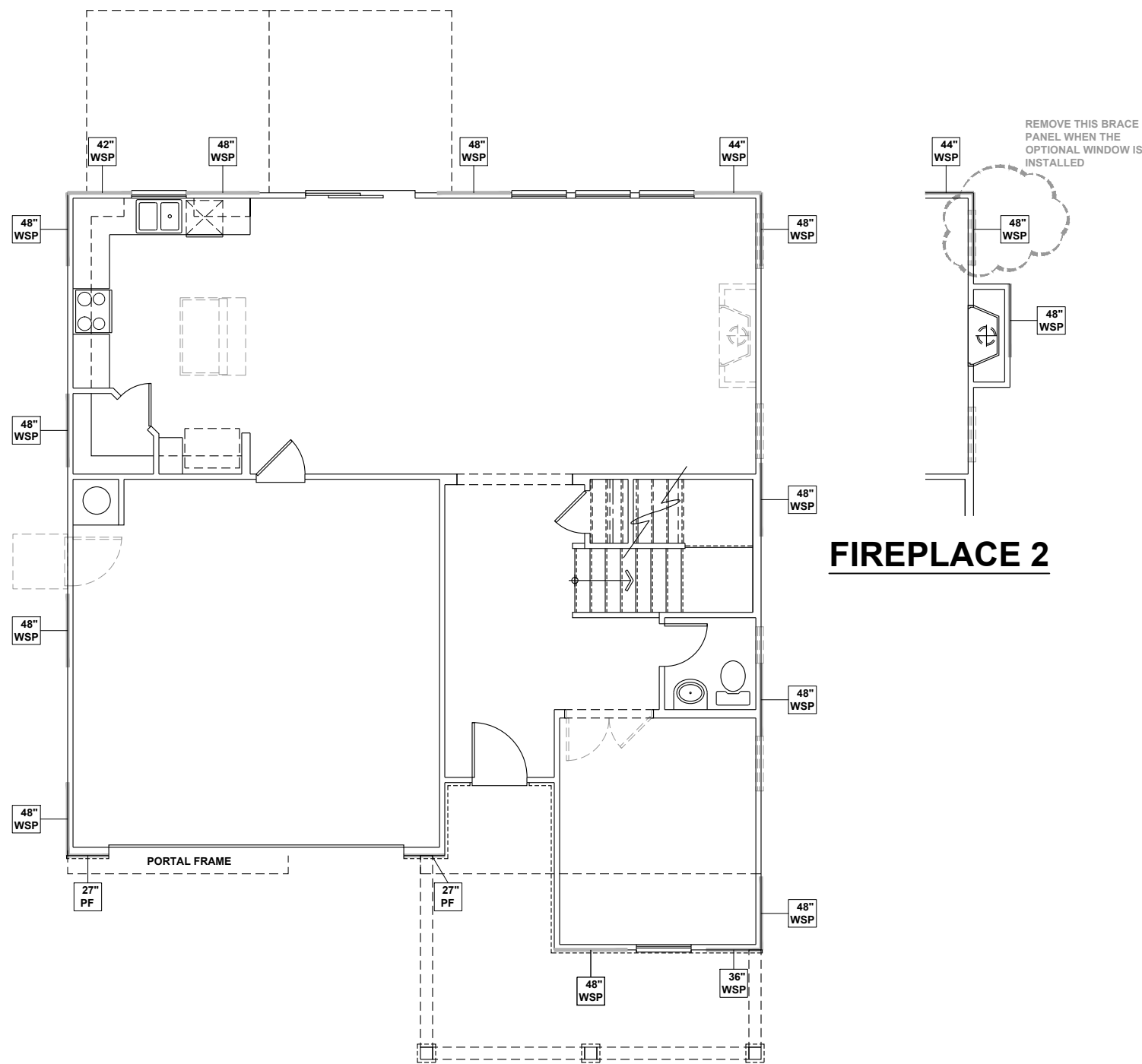
BEDROOM 4 OPTION DOES NOT AFFECT THE STRUCTURAL LAYOUT



SECOND FLOOR CEILING FRAMING PLAN - 'D'

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

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WALL BRACING REQUIREMENTS

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

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

SCALED LENGTH OF WALL PANEL AT LOCATION

NUMERICAL LENGTH OF PANEL

PANEL TYPE

ENGINEERED WALL SCHEDULE

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

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

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

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

WALL BRACING NOTE:

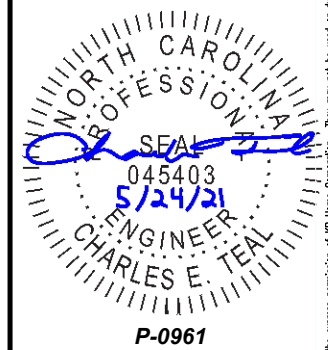
WALLS WITH PROVIDED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCRC. THESE WALLS HAVE BEEN ENGINEERED BASED ON DESIGN GUIDELINES ESTABLISHED IN ASCE-07 AND THE NDS: WIND & SEISMIC PROVISIONS SUPPLEMENT.

WALL BRACING: RECTANGLE 1

| SIDE | REQUIRED LENGTH | PROVIDED LENGTH |
|-------|-----------------|-----------------|
| FRONT | 13.5 FT. | 16.0 FT. |
| LEFT | 11.0 FT. | 16.0 FT. |
| REAR | 13.5 FT. | 15.16 FT. |
| RIGHT | 11.0 FT. | 16.0 FT. |



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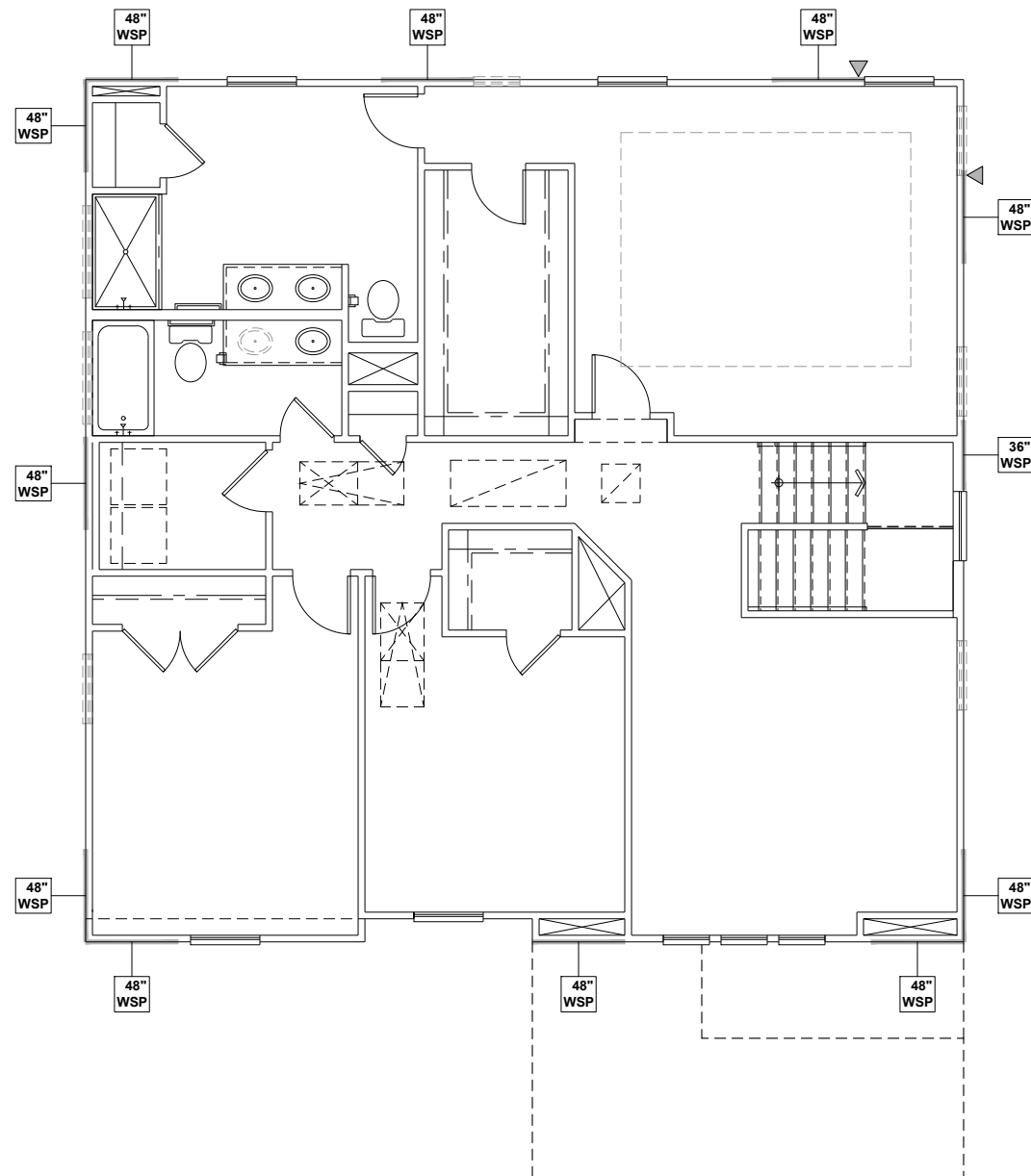
PROJECT NO.: 21901127
DATE: 05/21/2021

PLAN:
238.2338

FIRST FLOOR
WALL BRACING PLAN
S4.0D

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

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SCALED LENGTH OF WALL PANEL AT LOCATION

24" WSP

NUMERICAL LENGTH OF PANEL

PANEL TYPE

ENGINEERED WALL SCHEDULE

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

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

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

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

WALL BRACING NOTE:

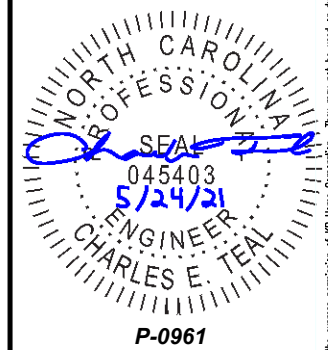
WALLS WITH PROVIDED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCRC. THESE WALLS HAVE BEEN ENGINEERED BASED ON DESIGN GUIDELINES ESTABLISHED IN ASCE-07 AND THE NDS: WIND & SEISMIC PROVISIONS SUPPLEMENT.

WALL BRACING: RECTANGLE 1

| SIDE | REQUIRED LENGTH | PROVIDED LENGTH |
|-------|-----------------|-----------------|
| FRONT | 6.5 FT. | 12.0 FT. |
| LEFT | 5.5 FT. | 12.0 FT. |
| REAR | 6.5 FT. | 12.0 FT. |
| RIGHT | 5.5 FT. | 11.0 FT. |



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P-0961

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

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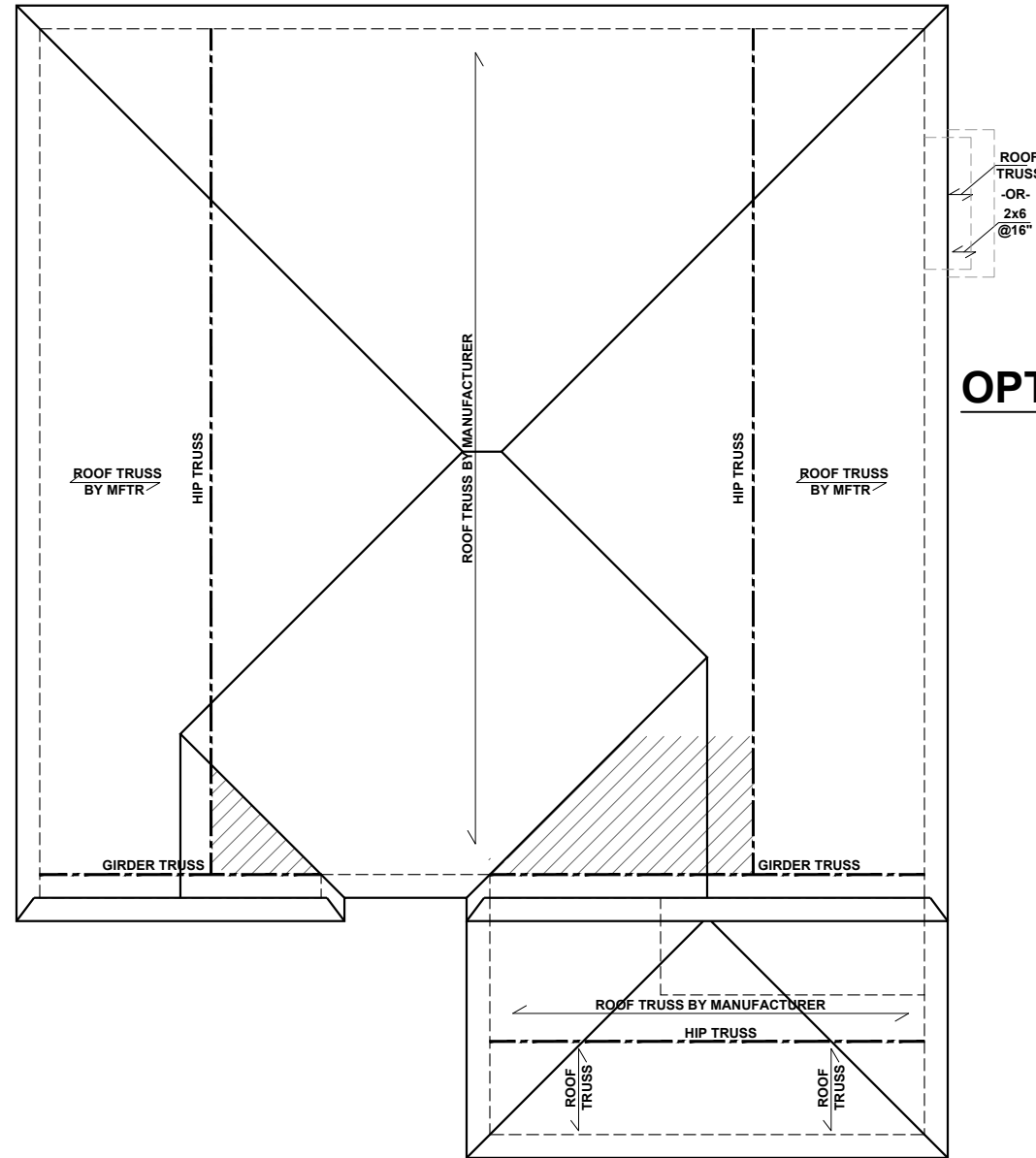
PROJECT NO.: 21901127
DATE: 05/21/2021

PLAN:
238.2338

SECOND FLOOR
WALL BRACING PLAN
S5.0D

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

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OPT. FIREPLACE 2

ROOF FRAMING PLAN - 'D'

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

BEAM & POINT LOAD LEGEND

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

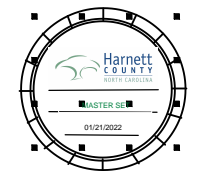
- TRUSSED ROOF - STRUCTURAL NOTES**
- PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
 - DENOTES OVER-FRAMED AREA
 - MINIMUM 7/16" OSB ROOF SHEATHING
 - TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN. TRUSS PROFILES SHALL BE SEALED BY THE TRUSS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

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

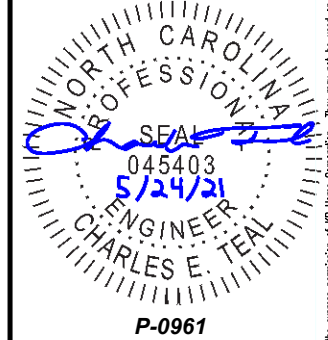
TRUSSES SHALL BE ATTACHED TO SUPPORT WALL FOR UPLIFT RESISTANCE. CONTINUOUS OSB WALL SHEATHING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES SUPPORTED BY INTERMEDIATE SUPPORT WALLS, KNEEWALLS, OR BEAMS SHALL BE ATTACHED TO SUPPORTING MEMBER PER SCHEDULE:

ROOF 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 (1) SIMPSON H3 CLIP TO SINGLE 2x4 PLATE |



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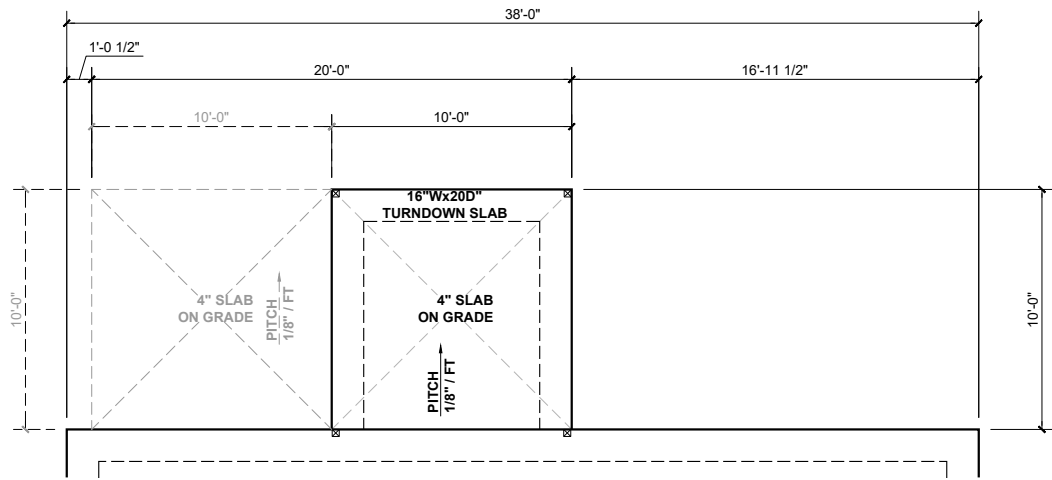
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DATE: 05/21/2021

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ROOF FRAMING PLAN
S7.0D

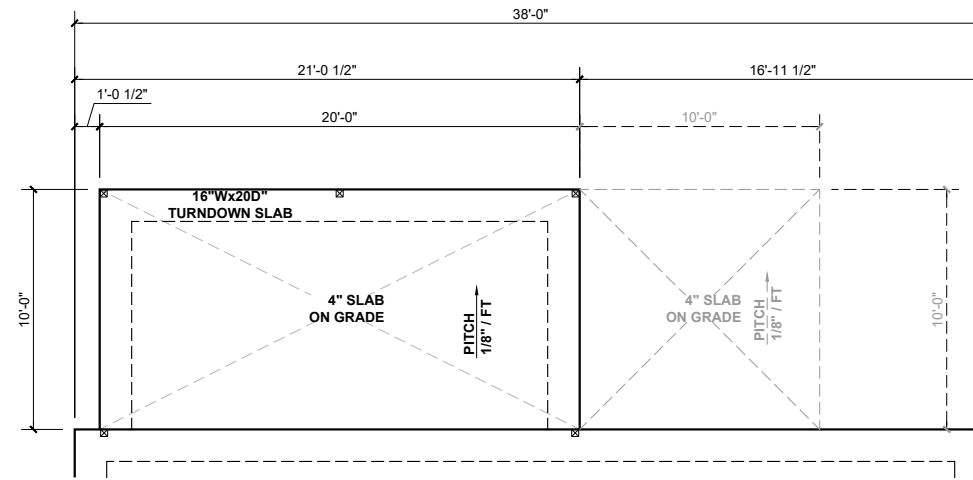
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SLAB FDN - 10' COVERED PATIO

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



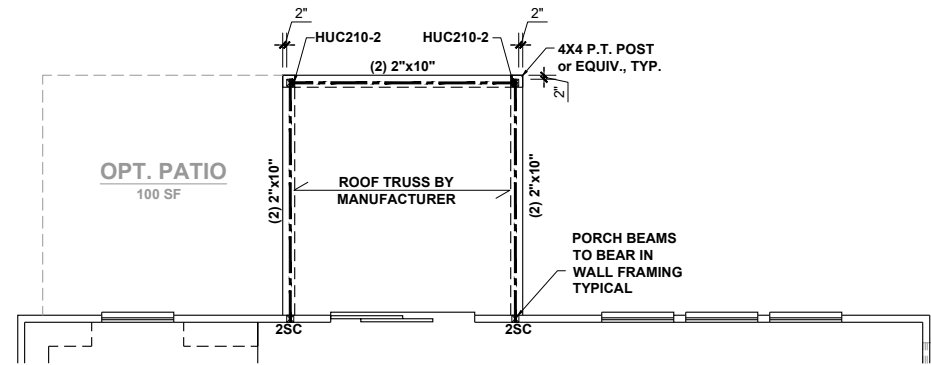
SLAB FDN - EXT. COVERED PATIO

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

BEAM & POINT LOAD LEGEND

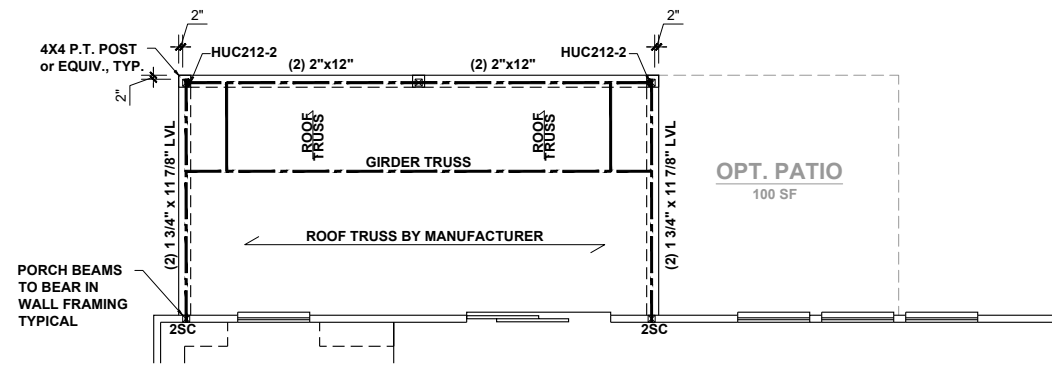
- INTERIOR LOAD BEARING WALL
- - - ROOF RAFTER / TRUSS SUPPORT
- - - DOUBLE RAFTER / DOUBLE JOIST
- STRUCTURAL BEAM / GIRDER
- WINDOW / DOOR HEADER
- ⊠ POINT LOAD TRANSFER
- POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

SEE FULL PLAN FOR ADDITIONAL INFORMATION



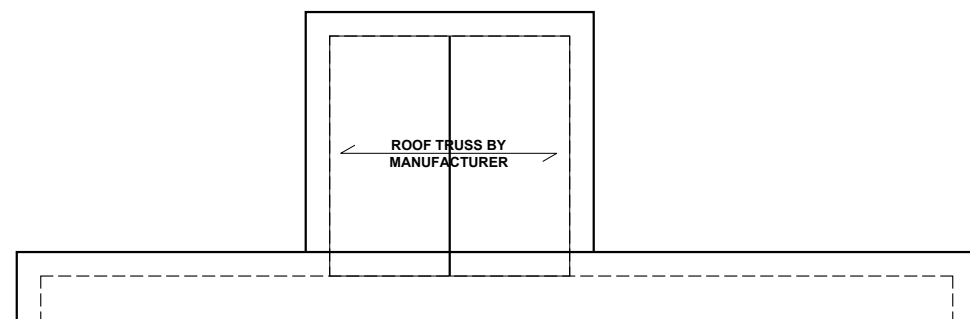
10' COVERED PATIO

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



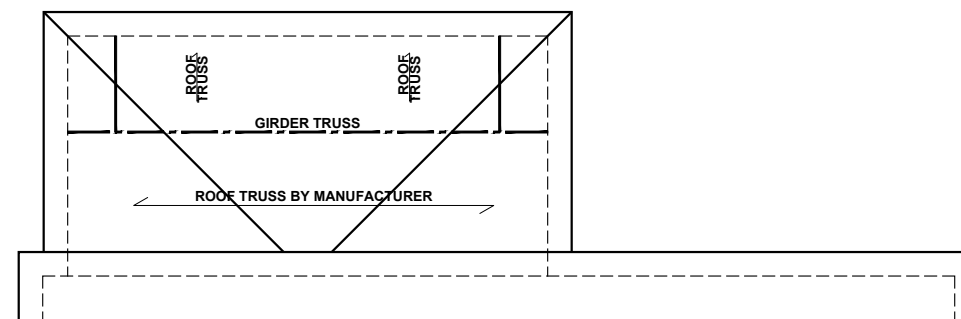
EXT. COVERED PATIO

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



ROOF PLAN

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



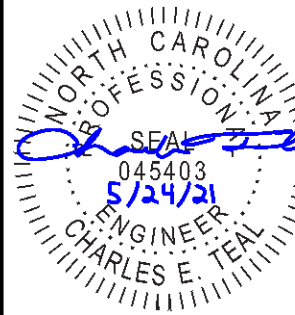
ROOF PLAN

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

COVERED PATIO



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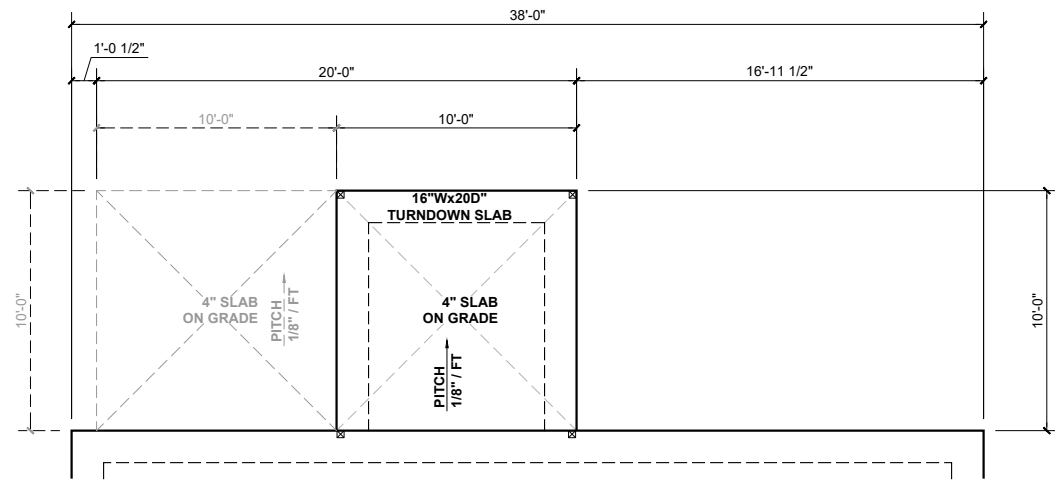
PLAN:
238.2338

REAR OPTIONS

R01

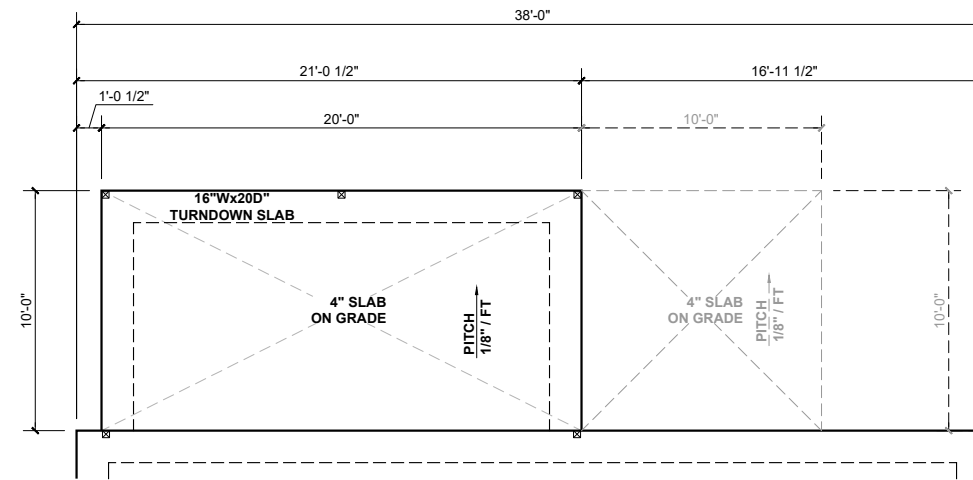
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**SLAB FDN - 10' COVERED
SCREENED PATIO**

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



**SLAB FDN - EXT. COVERED
SCREENED PATIO**

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

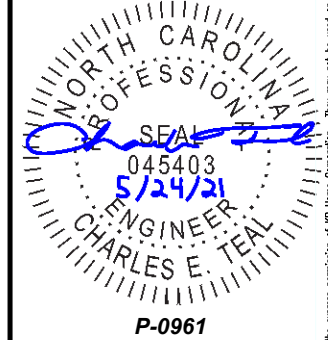
BEAM & POINT LOAD LEGEND

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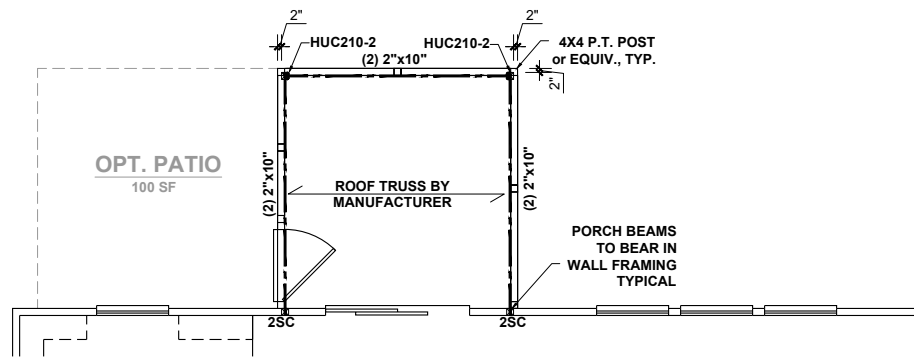
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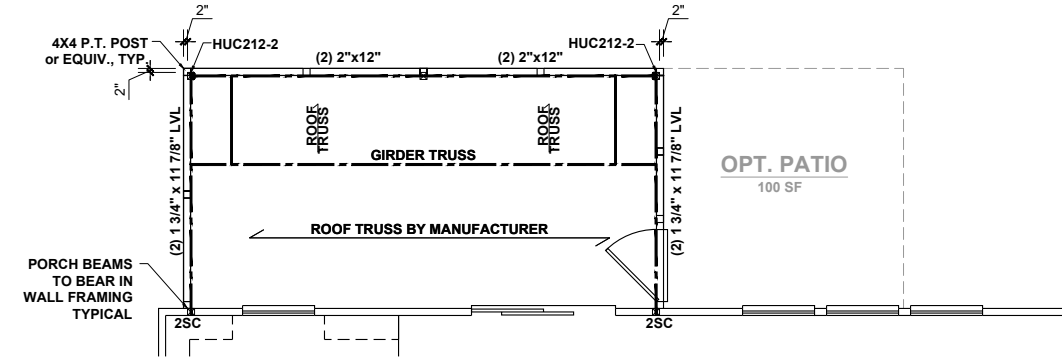
PLAN:
238.2338

REAR OPTIONS
R02



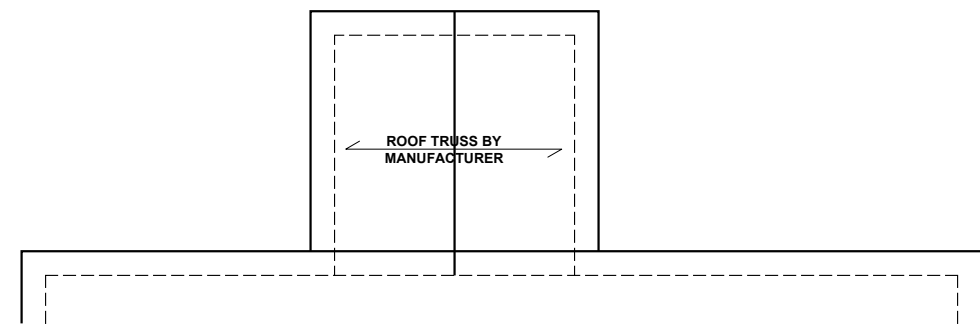
10' COVERED SCREENED PATIO

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



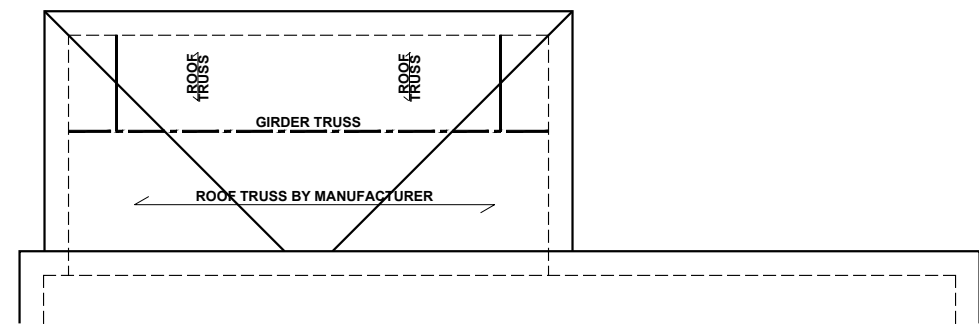
EXT. COVERED SCREENED PATIO

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



ROOF PLAN

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



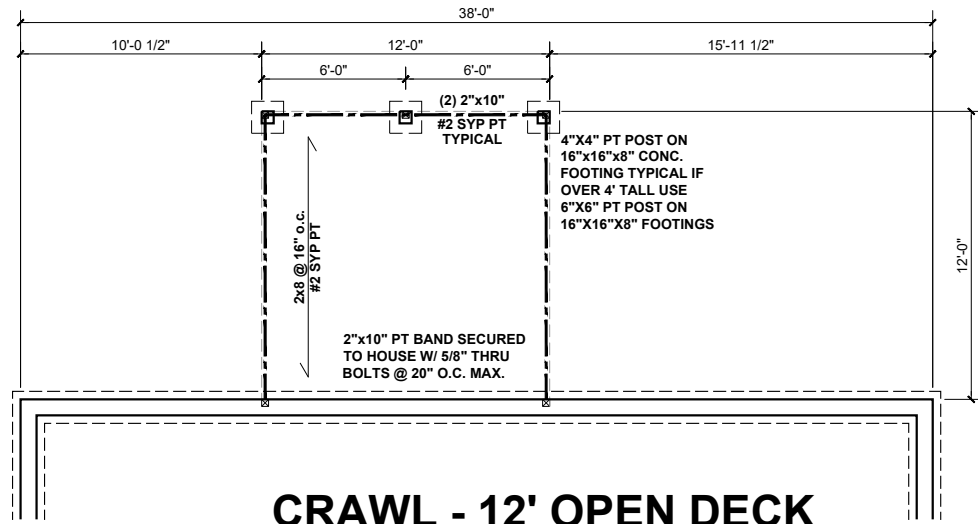
ROOF PLAN

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

SCREENED COVERED PATIO

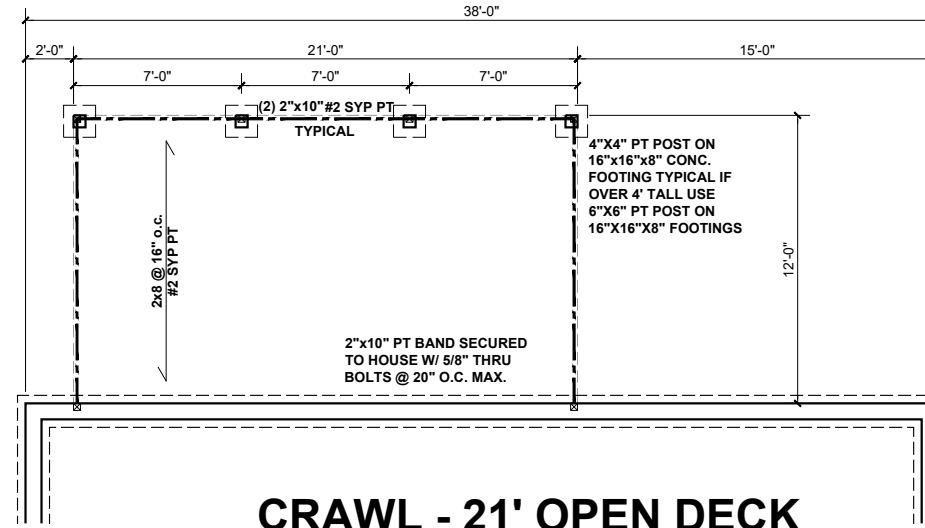
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NEW/OLD COMMUNITIES



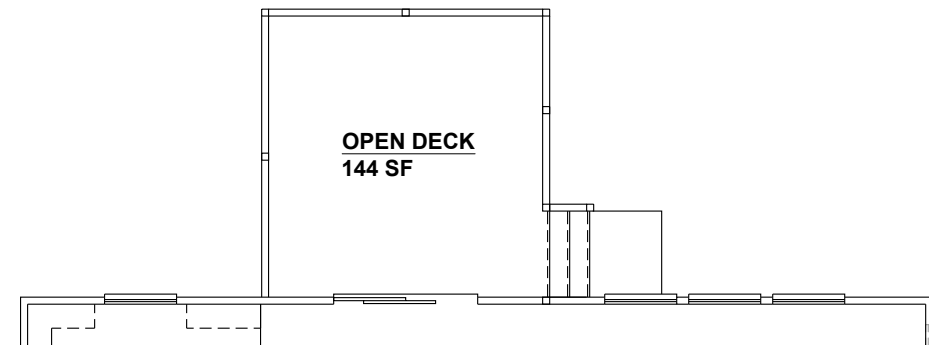
CRAWL - 12' OPEN DECK

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



CRAWL - 21' OPEN DECK

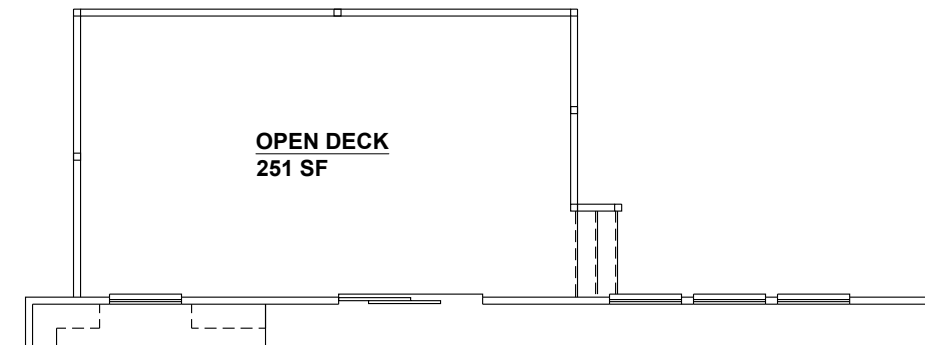
SCALE: 1/8" = 1'-0"



OPEN DECK
144 SF

12' OPEN DECK

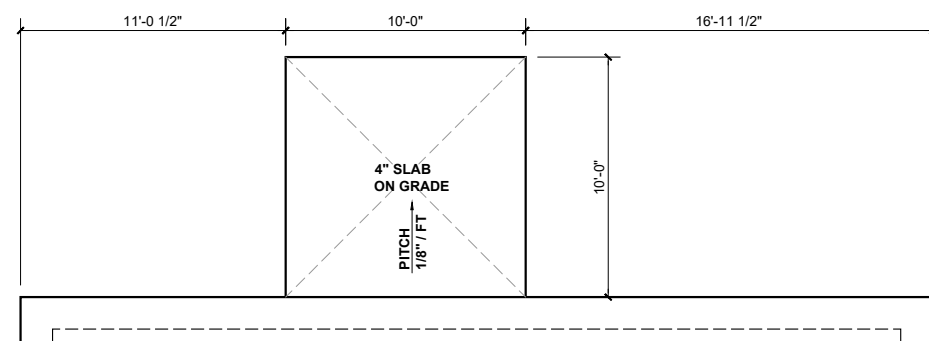
SCALE: 1/8" = 1'-0"



OPEN DECK
251 SF

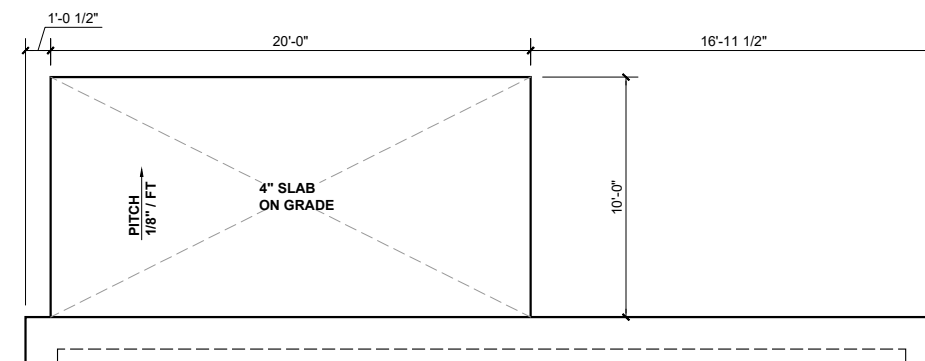
21' OPEN DECK

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



PATIO SLAB

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



EXT. PATIO SLAB

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

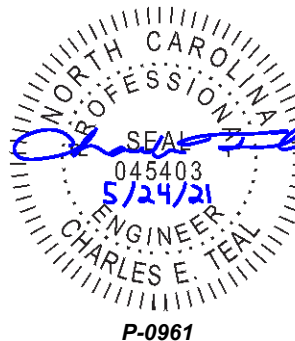
BEAM & POINT LOAD LEGEND

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REAR OPTIONS

R03

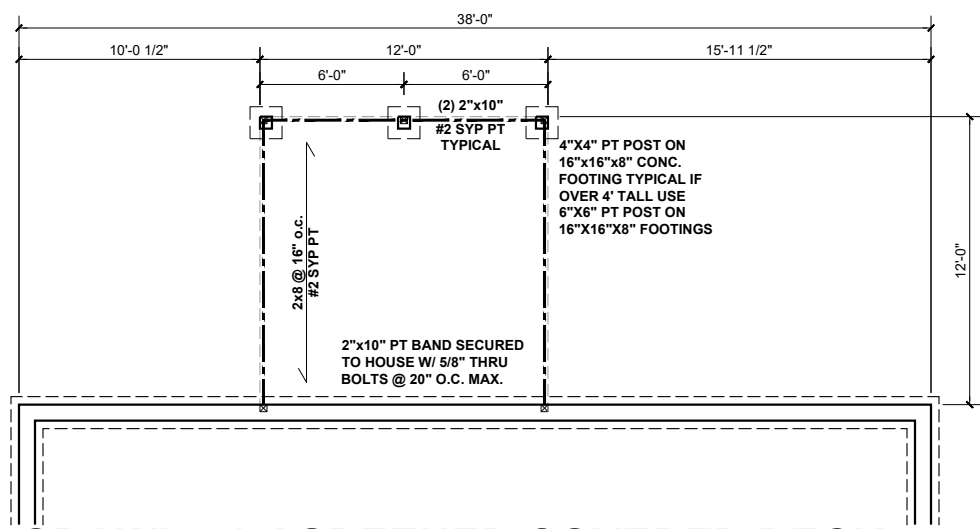
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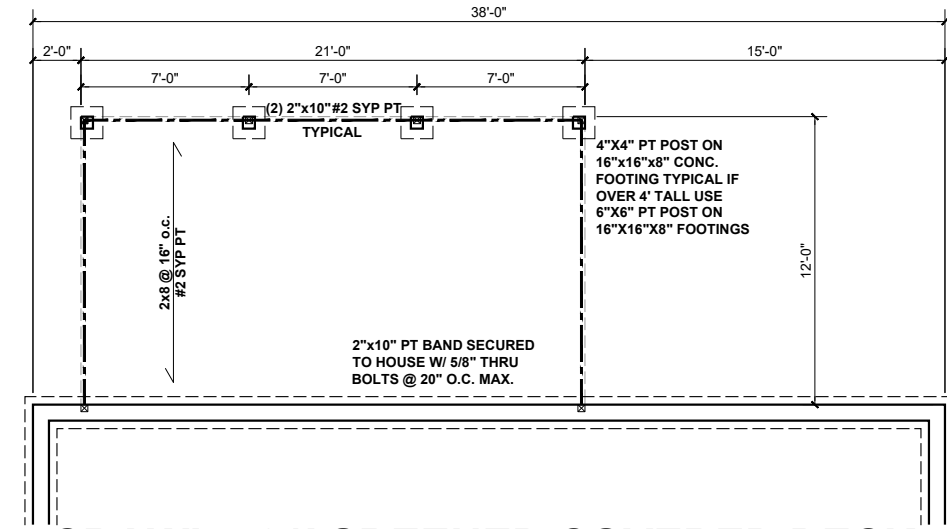
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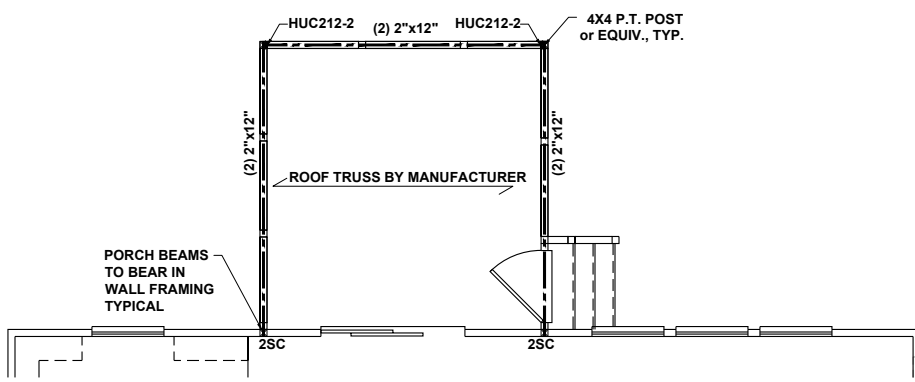
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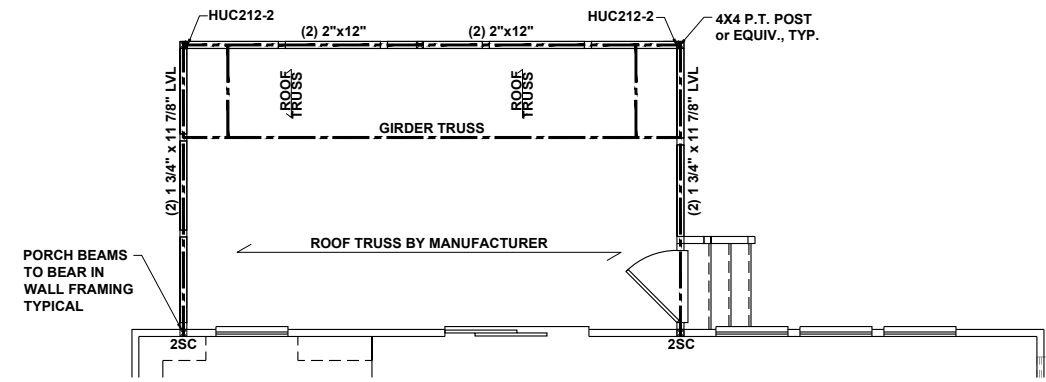
CRAWL - 12' SREENED COVERED DECK
SCALE: 1/8" = 1'-0"



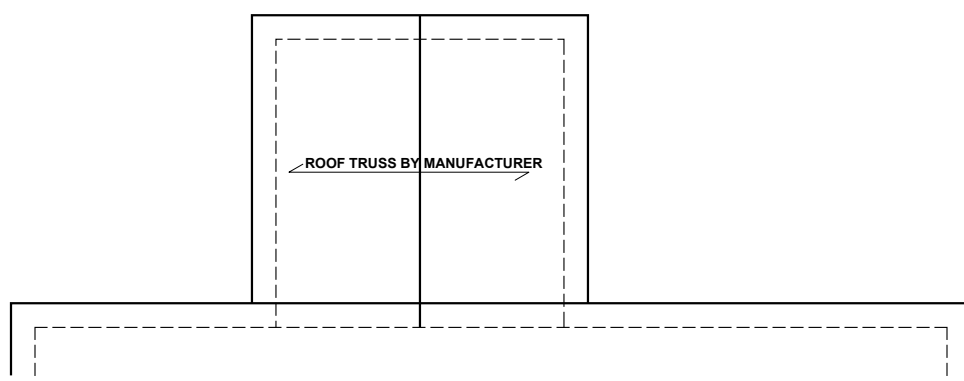
CRAWL - 21' SREENED COVERED DECK
SCALE: 1/8" = 1'-0"



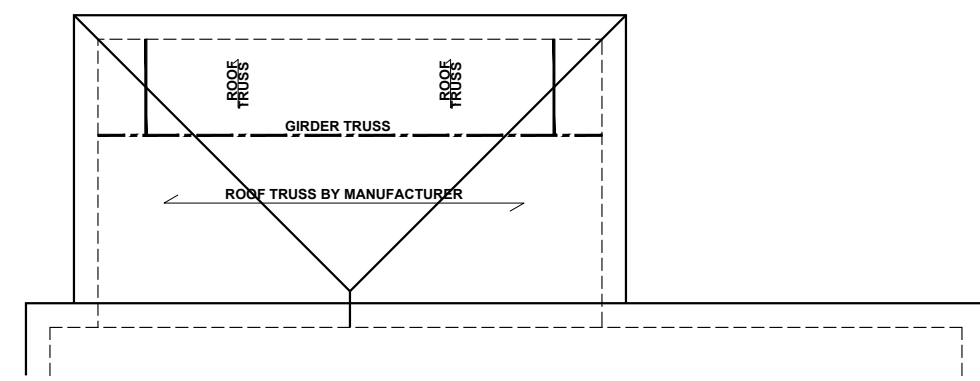
12' SCREENED COVERED DECK
SCALE: 1/8" = 1'-0"



21' SCREENED COVERED DECK
SCALE: 1/8" = 1'-0"



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

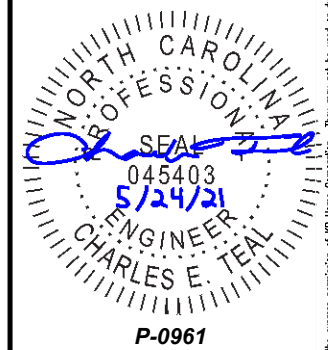


ROOF PLAN
SCALE: 1/8" = 1'-0"

SCREENED COVERED DECK



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REAR OPTIONS
R04

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