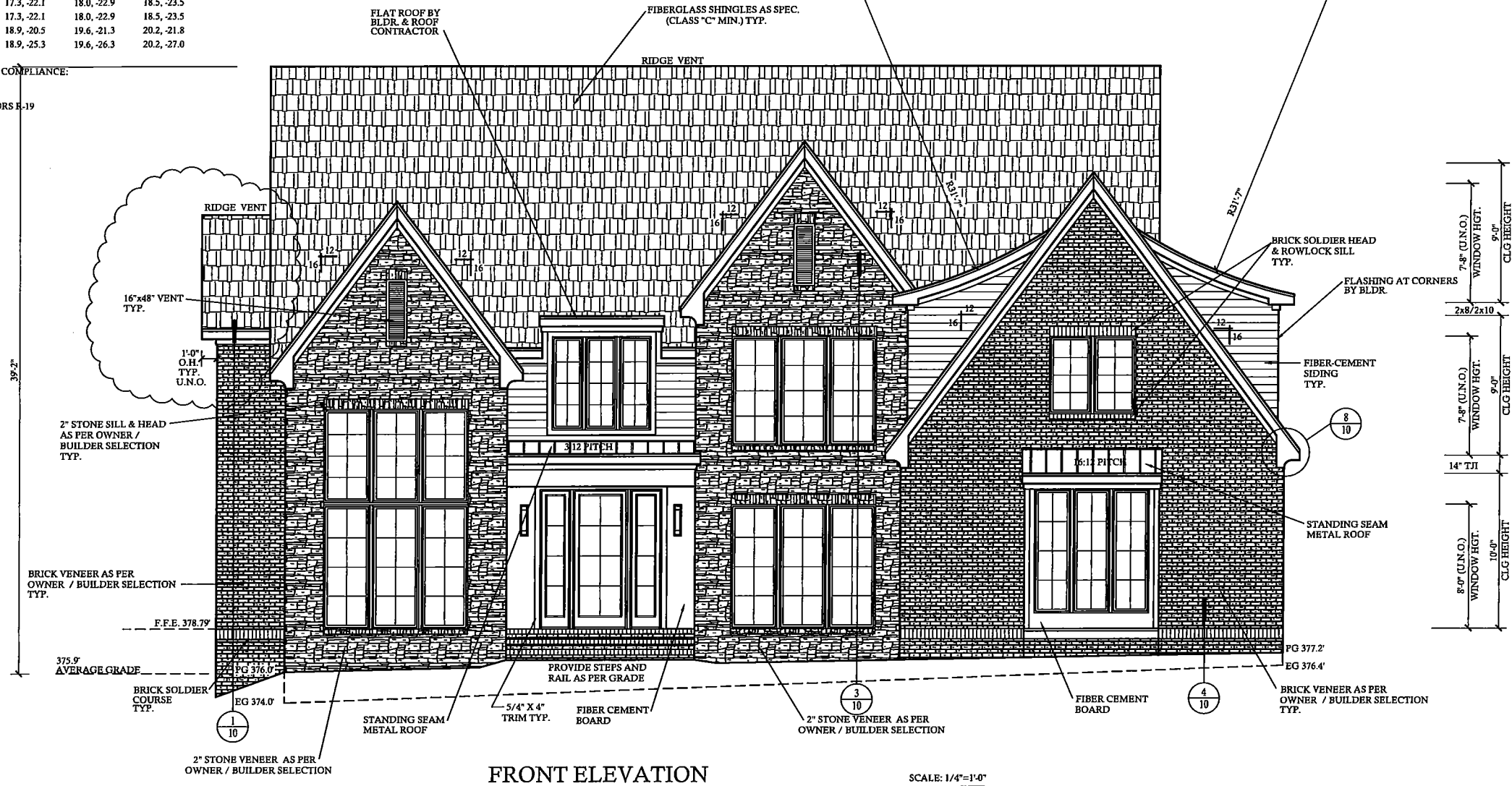


NOTE: PLANS DESIGNED UNDER 2018 NORTH CAROLINA RESIDENTIAL CODE.

COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS				
MEAN ROOF HEIGHT	UP TO 30'	30'-1' - 35'	35'-1' - 40'	40'-1' - 45'
ZONE 1	16.5, -18.0	17.3, -18.9	18.0, -19.6	18.5, -20.2
ZONE 2	16.5, -21.0	17.3, -22.1	18.0, -22.9	18.5, -23.5
ZONE 3	16.5, -21.0	17.3, -22.1	18.0, -22.9	18.5, -23.5
ZONE 4	18.0, -19.5	18.9, -20.5	19.6, -21.3	20.2, -21.8
ZONE 5	18.0, -24.1	18.9, -25.3	19.6, -26.3	20.2, -27.0

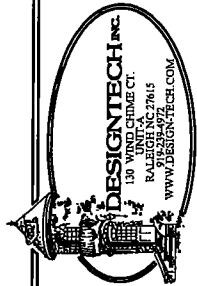
MINIMUM VALUES FOR ENERGY COMPLIANCE:
 ZONE 4
 MAX GLAZING U-FACTOR = 0.35
 CEILING R-38 WALLS R-15 FLOORS R-19



CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. ANY ERROR OR OMISSIONS SHALL BE REPORTED TO DESIGN TECH, INC. FOR CORRECTIONS OR JUSTIFICATION. CONTRACTOR MUST COMPLY WITH ALL LOCAL BUILDING CODES WHERE HOME IS TO BE BUILT. IF NO ENGINEERING DRAWINGS ARE PROVIDED, CONTRACTOR MUST CONSULT WITH LOCAL ENGINEER FOR STRUCTURAL DESIGN. ONCE CONSTRUCTION HAS BEGUN, CONTRACTOR WILL ASSUME ALL RESPONSIBILITY. PLAN HAS BEEN DESIGNED TO COMPLY WITH FLA'S NRC.

REVSIONS:	
DATE:	NAME:
8-8-23	JCD
3-18-24	JCD

DRAWN BY: RKR CHECKED BY: GES/JCD DATE: 4-18-23 PLAN NO. 20-5832-DT



20-5832-DT
2227 WHEELER RD.
RALEIGH NC

CLG.: CEILING	ABV.: ABOVE
HGT.: HEIGHT	C.O.: CASED OPENING
D.O.: DOUBLE OVEN	REFG.: REFRIGERATOR
WD.: WOOD	D.W.: DISHWASHER
CONT.: CONTINUOUS	T.B.D.: TO BE DETERMINED
CONC.: CONCRETE	W.I.C.: WALK IN CLOSET
COL.: COLUMN	W.: WASHER
ELLIP.: ELLIPSE	D.: DRYER
W/: WITH	SHWR.: SHOWER
TRANS.: TRANSOM	DN.: DOWN
CANT.: CANTILEVER	K.S.: KNEE SPACE
M.O.: MASONRY OPENING	TYP.: TYPICAL
5S= 5 SHELVES	
1R/1S = 1 ROD AND 1 SHELF	
2R/2S = 2 RODS AND 2 SHELVES	
5D= SMOKE DETECTOR	
CMD= CARBON MONOXIDE DETECTOR	

1.) SEE CHAPTER 6 OF 2018 NRCR FOR WALL CONSTRUCTION.	5.) ALL ANGLED WALLS ARE 45° UNLESS NOTED OTHERWISE.	9.) ALL CABINET DESIGNS/LAYOUTS TO BE VERIFIED WITH OWNER VIA SHOP DRAWINGS FROM CABINET MANUF.	12.) FINISHES OF SCREEN PORCH COLUMNS,RAILS, FLOORS, CEILINGS ,SCREEN DOOR SYSTEM,AND DOORS TO PORCH BY BLDR. & OWNER, PER CONTRACT SPECIFICATIONS
2.) TEMPERED GLASS TO BE USED AT ALL SAFETY REQUIRED LOCATIONS ACCORDING TO 2018 NRCR SECTION R308.4.	6.) VERIFY ALL WINDOW SIZES, RADIUS, AND DETAILS WITH CHOSEN MANUFACTURE.	10.) ALL FLOOR COVERINGS AND FINISHES BY OWNER/ BLDR. COORDINATE HEIGHTS DUE TO THICKNESS CHANGES.	13.) FINISHES FOR CLOSET SHELVING AND ROD BY BLDR. & OWNER, PER CONTRACT SPECIFICATIONS
3.) DWELLING/GARAGE FIRE SEPARATION SHALL PER TABLE 302.6 OF 2018 NRCR.	7.) LOCATE DORMER FACE TO ALLOW 4" MIN. BELOW WINDOW FRAME.	11.) ALL WINDOW GLAZING TO HAVE 0.32 U-FACTOR MIN. SEE TABLE E-4A, E-4B	14.) FINISHES OF ALL INTERIOR BASE BOARD , CLG. DETAIL / MOLDING, OPENING DETAILS, PASS-THRU, WAINSCOTTING DETAILS BY BLDR. & OWNER, PER CONTRACT SPECIFICATION
4.) ALL HABITABLE ROOMS SHALL MEET LIGHT/VENTILATION & EGRESS AS REQUIRED IN 2018 NRCR SECTIONS R303.1 AND R310	8.) FLOOR PLAN NOTATIONS GOVERN OVER ELEVATION SCALE.		

PROVIDE BLOCKING FOR:
TB = TOWEL BAR **MR = MAGAZINE RACK**
TP = TOILET PAPER **MC = MEDICINE CABINET**
TR = TOWEL RING

NOTE:
SELECTION BY OWNER PER
BUILDER CONTRACT SPECIFICATIONS

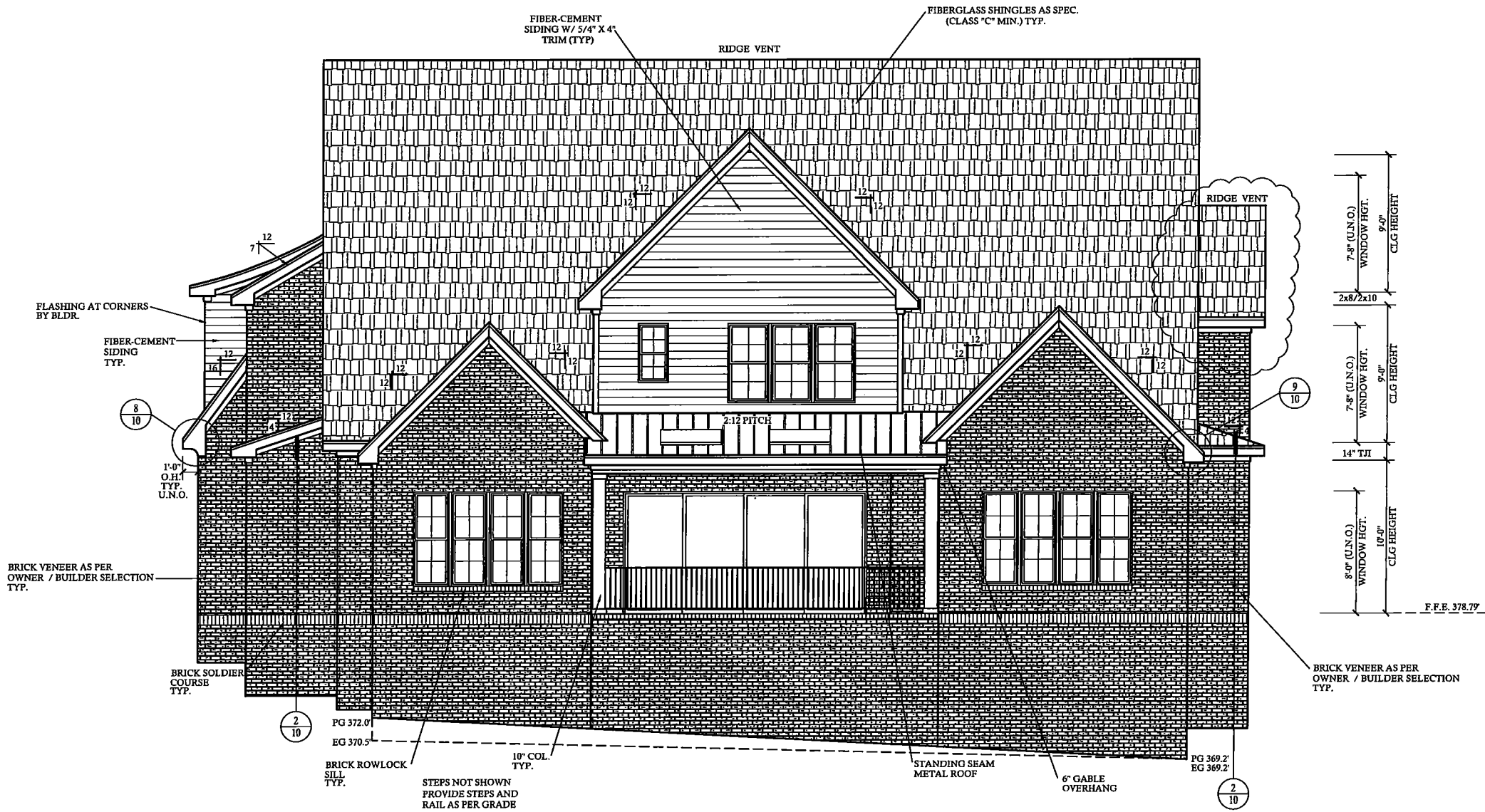
NOTE:
-SEE ROOF PLAN FOR
KNEEWALL HEIGHTS AND
LOCATIONS.

-GRADE LINES ARE ASSUMED.
VERIFY WITH FINAL GRADING PLAN.

HEATED (SQ. FT.)		UNHEATED (SQ. FT.)	
1ST FLOOR:	3145	GARAGE:	642
2ND FLOOR:	2002	COV. PORCH:	326
REC. ROOM:	679	PORCH:	49
TOTAL:	5826	STOOP:	50
(HEATED)		BRICK:	117
		TOTAL:	1184
		(UNHEATED)	
OVERALL DIMENSION		UNFINISHED (SQ. FT.)	
WIDTH:	69'-0"	ATTIC:	947

NOTE:
SEE ROOF PLAN FOR KNEEWALL
HEIGHTS AND LOCATIONS.

NOTE:
GRADE LINES ARE ASSUMED. VERIFY
WITH FINAL GRADING PLAN.



REAR ELEVATION

SCALE: 1/4"=1'-0"

CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO DESIGN TECH, INC. FOR CORRECTIONS ON THE DRAWING. THE CONTRACTOR SHALL VERIFY WITH ALL LOCAL BUILDING CODES VOLUME 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 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1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 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2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178

NOTE:
GRADE LINES ARE ASSUMED. VERIFY
WITH FINAL GRADING PLAN.



SCALE: 1/4"=1'-0"



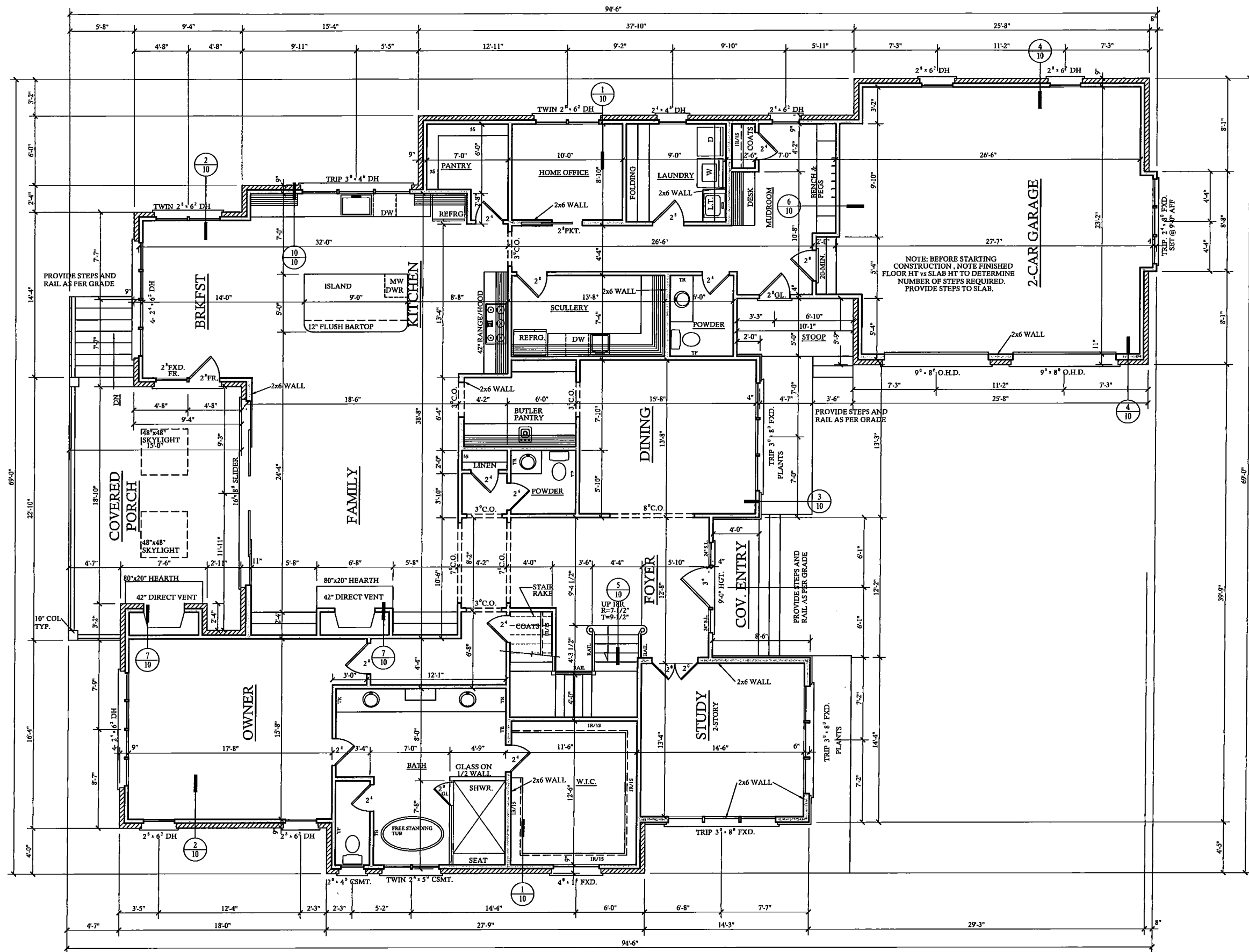
SCALE: 1/4"=1'-0"



DESIGNTECH INC.
130 WIND CHIME CT.
RALEIGH NC 27615
UNIT-A
919-877-7171
WWW.DESIGNTECH.COM

20-5832-DT
2227 WHEELER RD.
RALEIGH NC

AU
BD.



NOTE: BLDG. TO CONFIRM ALL WINDOWS & DOORS (SIZE, STYLE) PRIOR TO ORDERING

NOTE:
ALL DOOR, CASED OPENING, AND WINDOW HEADERS AT THE FIRST FLOOR LEVEL TO BE SET @ 8'-0" A.F.F. U.N.O.

FIRST FLOOR PLAN SCALE: 1/4"=1'-0"
10'-0" CLG. HGT. U.N.O.
SET WINDOWS @ 8'-0" U.N.O.
PROD. NICHE IN WALL AT ALL SHOWERS/ TUBS

CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. TO DESIGN TECH, INC. FOR CORRECTIONS ON THE FIRST FLOOR PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE DESIGN OF THE HOUSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE HOUSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE HOUSE.

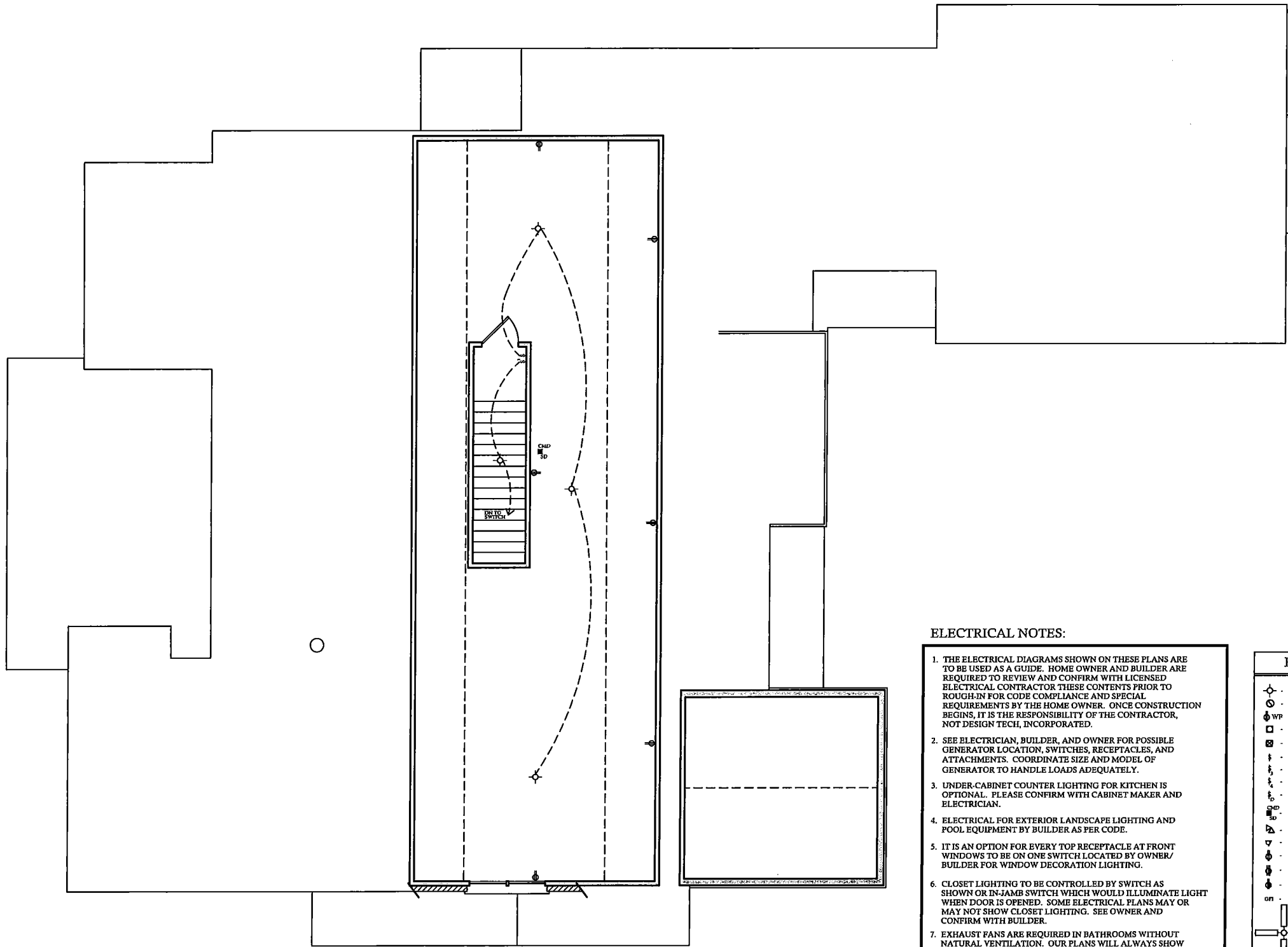
REVISIONS:	DATE:	NAME:
8-8-23	JCD	
3-18-24	JCD	

DRAWN BY: RKR
CHECKED BY: GES/JCD
DATE: 4-18-23
PLAN NO. 20-5832-DT



20-5832-DT
2227 WHEELER RD.
RALEIGH NC

SHEET NO. **4** OF 12



THIRD FLOOR ELECTRICAL PLAN

ELECTRICAL NOTES:

1. THE ELECTRICAL DIAGRAMS SHOWN ON THESE PLANS ARE TO BE USED AS A GUIDE. HOME OWNER AND BUILDER ARE REQUIRED TO REVIEW AND CONFIRM WITH LICENSED ELECTRICAL CONTRACTOR THESE CONTENTS PRIOR TO ROUGH-IN FOR CODE COMPLIANCE AND SPECIAL REQUIREMENTS BY THE HOME OWNER. ONCE CONSTRUCTION BEGINS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR, NOT DESIGN TECH, INCORPORATED.
2. SEE ELECTRICIAN, BUILDER, AND OWNER FOR POSSIBLE GENERATOR LOCATION, SWITCHES, RECEPTACLES, AND ATTACHMENTS. COORDINATE SIZE AND MODEL OF GENERATOR TO HANDLE LOADS ADEQUATELY.
3. UNDER-CABINET COUNTER LIGHTING FOR KITCHEN IS OPTIONAL. PLEASE CONFIRM WITH CABINET MAKER AND ELECTRICIAN.
4. ELECTRICAL FOR EXTERIOR LANDSCAPE LIGHTING AND POOL EQUIPMENT BY BUILDER AS PER CODE.
5. IT IS AN OPTION FOR EVERY TOP RECEPTACLE AT FRONT WINDOWS TO BE ON ONE SWITCH LOCATED BY OWNER/ BUILDER FOR WINDOW DECORATION LIGHTING.
6. CLOSET LIGHTING TO BE CONTROLLED BY SWITCH AS SHOWN OR IN-JAMB SWITCH WHICH WOULD ILLUMINATE LIGHT WHEN DOOR IS OPENED. SOME ELECTRICAL PLANS MAY OR MAY NOT SHOW CLOSET LIGHTING. SEE OWNER AND CONFIRM WITH BUILDER.
7. EXHAUST FANS ARE REQUIRED IN BATHROOMS WITHOUT NATURAL VENTILATION. OUR PLANS WILL ALWAYS SHOW EXHAUST FAN.
8. NO HEAT LAMPS OR HEATERS MAY BE SHOWN IN THIS DRAWING. PLEASE CONFIRM WITH BUILDER FOR PRESENCE AND LOCATION.
9. ALL SLEEPING AREAS/BEDROOMS SHOULD CONTAIN SMOKE DETECTORS. SOME CORRIDORS ALSO REQUIRE SMOKE DETECTORS. PLEASE SEE LOCAL, STATE, AND FEDERAL BUILDING CODES TO CONFIRM THESE REQUIREMENTS.
10. PANEL BOX LOCATION BY ELECTRICIAN/BUILDER AS PER CODE.

ELECTRICAL LEGEND

- - LIGHT FIXTURE
- - FAN/LIGHT
- WP - WATERPROOF OUTLET
- - RECESSED LIGHTING
- ☐ - CAN LIGHT W/ FAN
- 1 - SINGLE SWITCH
- 2 - 3-WAY SWITCH
- 3 - 4-WAY SWITCH
- 4 - DIMMER SWITCH
- 5 - CARBON MONOXIDE DETECTOR
- 6 - SMOKE DETECTOR
- 7 - FLOOD LIGHTS
- 8 - EYEBALL SPOTS
- 9 - DUPLEX RECEPTACLE (110V)
- 10 - 220 VOLT RECEPTACLE
- 11 - SWITCHED RECEPTACLE (TOP WIRE ONLY)
- 12 - GROUND FAULT CIRCUIT INTERRUPTOR
- 13 - CLO FAN/LIGHTS
- 14 - TRACK LIGHTS
- 15 - FLUORESCENT/LED LIGHTING
- 16 - CABLE OUTLET
- 17 - TELEPHONE OUTLET
- 18 - COMPUTER DATA OUTLET
- 19 - INTERCOM

NOTE:
ALL ELECTRICAL INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE NEC.

CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE.

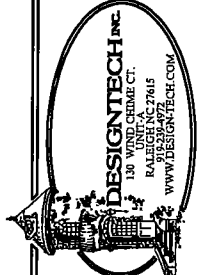
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