

APPROVED
Contract building only review.
Permit holder responsible for
full compliance with the code.
03/03/2020 10:22:00 AM
All construction must comply with current NC Building Code.
Permit subject to field inspection and enforcement.



03/03/2020

KENT

KENT REVISION LIST - STRUCTURAL:

13

KENT REVISION LIST - ARCHITECTURAL:

- 13. ADDED NOTE TO EXTEND STAIR CLIP IN POWDER ROOM THE LENGTH OF THE ROOM (3-19)
- 23. SHOWED AHU AND MECH. LOCATIONS ON SECOND FLOOR (3-19)
- 33. UPDATED PLAN TO NEW CAD FORMAT AND ADDED COVER SHEET (3-19)
- 43. UPDATED CUTSHEETS (3-19)
- 53. CHANGED FIREPLACE FROM STANDARD TO OPTIONAL. (2-25)
- 63. CHANGE FIREPLACE FROM 36" TO 32". (11-21-19)
- 73. ADDED ROOM DIMENSIONS. (11-21-19)
- 83. CHANGE ROOM NAMES FROM MASTERS TO OWNERS. (11-21-19)
- 93. VERIFIED AND UPDATED SQUARE FOOTAGE ON FIRST AND SECOND FLOOR. (11-21-19)
- 103. ADDED ROOF VENTING CALCULATIONS FOR ELEV. A, B, AND C. (11-29-19)
- 113. ADDED GOULBLET KITCHEN LAYOUT OPTION. (12-23-19)
- 123. CHANGE FIREPLACE FROM STANDARD TO OPTIONAL. (12-23-19)
- 133. REMOVE GLASS INSERTS AT GARAGE DOORS. (12-23-19)
- 143. REMOVE METAL ACCESSORIES AT GARAGE DOORS. (12-23-19)
- 153. UPDATED CUTSHEETS PER H&H STANDARDS. (1-16-20)
- 163. CHANGE FIREPLACE FROM STANDARD TO OPTIONAL. (1-16-20)

Inventory Marked

MLP 000704



COVER SHEET

H&H HOMES
KENT

DATE: MARCH 22, 2020
REV: JANUARY 16, 2020
DRAWN BY: WJ
CHECKED BY:
REVIEWED BY:

CS



FRONT ELEVATION-B-1
SCALE: 1/4" = 1'-0"



FRONT ELEVATION-B-2
SCALE: 1/4" = 1'-0"



FRONT ELEVATION-B-3
SCALE: 1/4" = 1'-0"



FRONT ELEVATION-B-4
SCALE: 1/4" = 1'-0"

** NOTE: B-4 (ALL SIDES BRICK) OPTION NOT AVAILABLE IN ALL MARKETS. IN AREAS WITH SEISMIC DESIGN REQUIREMENTS BRICK VENEER IS ONLY AVAILABLE ON THE FRONT ELEVATION AS SHOWN OR UNLESS NOTED OTHERWISE.



RENAISSANCE
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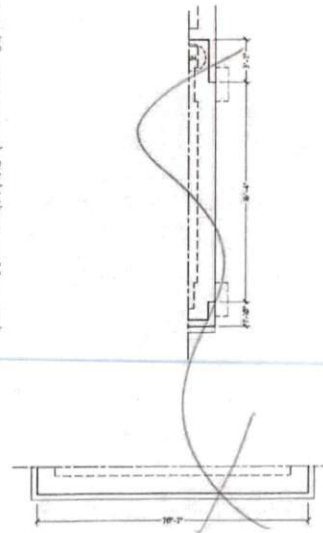
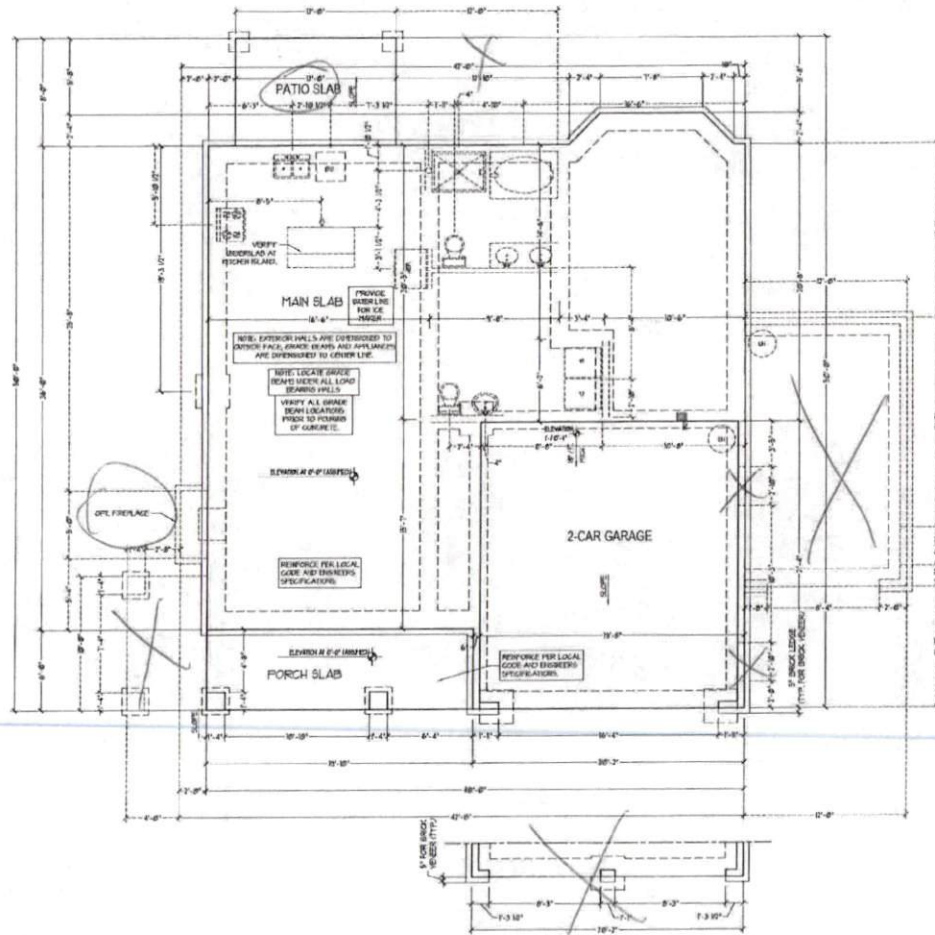
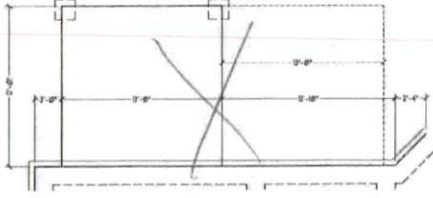


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B - ELEVATION
OPTIONS
A.2.1



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DATE: MARCH 17, 2019
REV: JANUARY 16, 2018
SCALE: 1/8"=1'-0"
DRAWN BY: WJG
ENGINEERED BY:
REVIEWED BY:

SLAB INTERFACE
PLAN
A-5



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ALL WORK IS SUBJECT TO THE LOCAL BUILDING DEPARTMENT'S REVIEW AND PERMITS. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE. ALL WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE LOCAL BUILDING DEPARTMENT'S REQUIREMENTS. ALL INTERIOR WALLS ARE TO BE 2 x 4 @ 16" O.C. UNLESS NOTED OTHERWISE. ALL EXTERIOR WALLS ARE TO BE 2 x 4 @ 16" O.C. UNLESS NOTED OTHERWISE. ALL FOUNDATION WALLS ARE TO BE 2 x 4 @ 16" O.C. UNLESS NOTED OTHERWISE. ALL FLOORING IS TO BE AS SHOWN. ALL CEILING IS TO BE 9'-0" UNLESS NOTED OTHERWISE. ALL ROOFING IS TO BE AS SHOWN. ALL ELECTRICAL AND PLUMBING IS TO BE AS SHOWN. ALL MECHANICAL IS TO BE AS SHOWN. ALL FINISHES ARE TO BE AS SHOWN. ALL MATERIALS ARE TO BE AS SHOWN. ALL WORK IS TO BE IN ACCORDANCE WITH THE LOCAL BUILDING DEPARTMENT'S REQUIREMENTS. ALL WORK IS TO BE IN ACCORDANCE WITH THE LOCAL BUILDING DEPARTMENT'S REQUIREMENTS.

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KENT

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REV: JANUARY 16, 2020
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DRAWN BY: WJO
ENGINEERED BY:
REVIEWED BY:

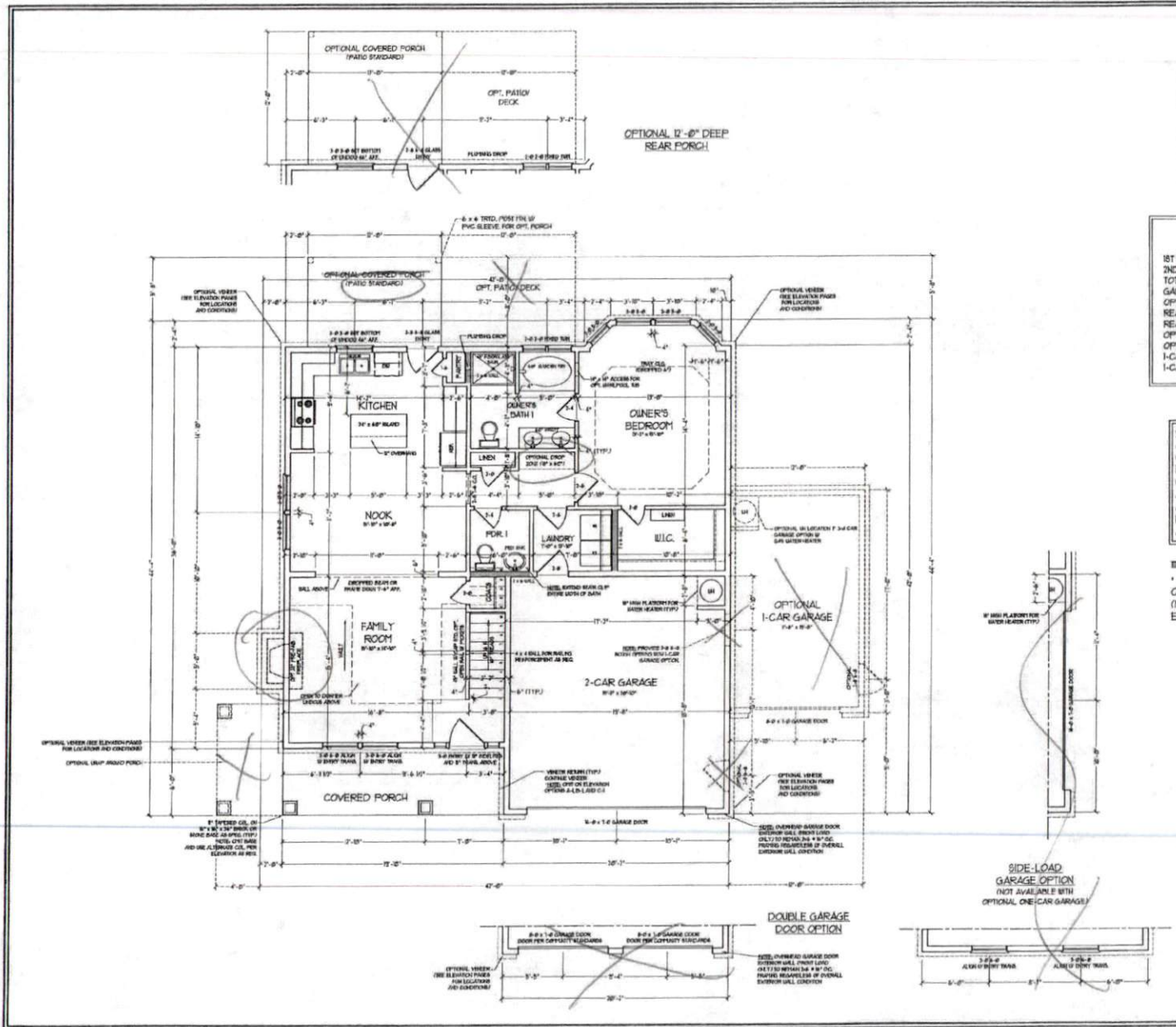
FIRST FLOOR PLAN
A-6

SQUARE FOOTAGE (STUD)	
1st FLOOR:	1861 SQ. FT.
2nd FLOOR:	820 SQ. FT.
TOTAL:	2681 SQ. FT.
FRONT PORCH:	103 SQ. FT.
STD. REAR PATIO:	96 SQ. FT.
GARAGE:	427 SQ. FT.

SQUARE FOOTAGE (OPTIONS)	
1ST FLOOR (BRICK):	2226 SQ. FT.
2ND FLOOR (BRICK):	873 SQ. FT.
TOTAL (BRICK):	2099 SQ. FT.
GARAGE (BRICK):	443 SQ. FT.
OPT. BRAP-AROUND PORCH:	649 SQ. FT.
REAR PORCH (8'-0" DEEP):	96 SQ. FT.
REAR PORCH (7'-0" DEEP):	144 SQ. FT.
OPT. PATIO/DECK (8'-0" DEEP):	96 SQ. FT.
OPT. PATIO/DECK (7'-0" DEEP):	144 SQ. FT.
1-CAR GARAGE (STUD):	749 SQ. FT.
1-CAR GARAGE (BRICK):	271 SQ. FT.

NOTE: ALL EXTERIOR WALLS AND ATTIC WALLS ARE TO BE 2 x 4 @ 16" O.C. MIN. (UNO) 2 x 6 @ 16" O.C. EXTERIOR WALLS MAY BE CONSTRUCTED IN LIEU OF 2 x 4 WALLS. ALL INTERIOR LOAD BEARING WALLS ARE TO BE 2 x 4 @ 16" O.C. (UNO) AND NON-LOAD BEARING INTERIOR WALLS ARE TO BE 2 x 4 @ 24" O.C. (UNO).

2x6 WALL
* SHADED WALLS ARE TO BE 2 x 6 @ 16" O.C. (LOAD BEARING) OR 2 x 6 @ 24" O.C. (NON-LOAD BEARING) REGARDLESS OF EXTERIOR WALL CONDITION





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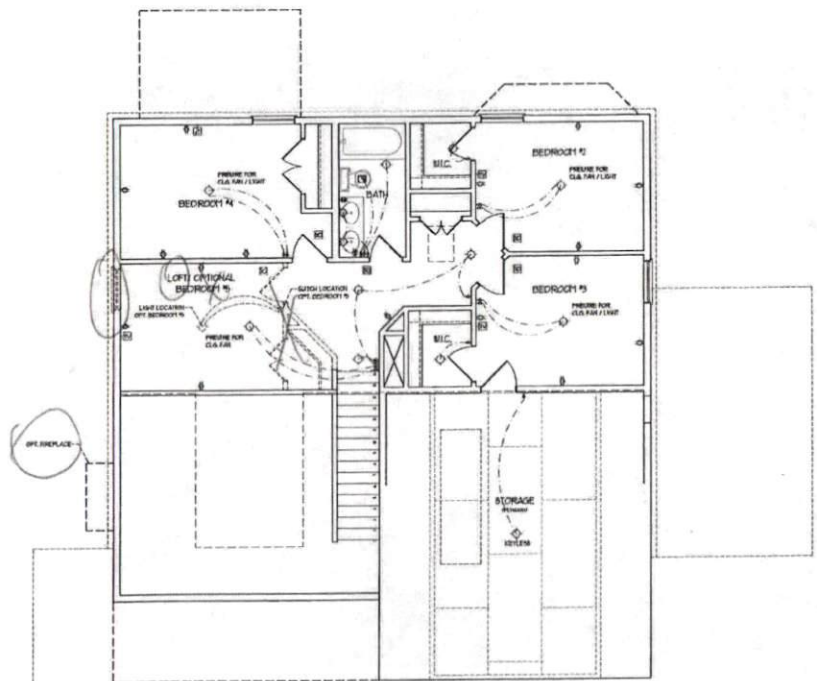
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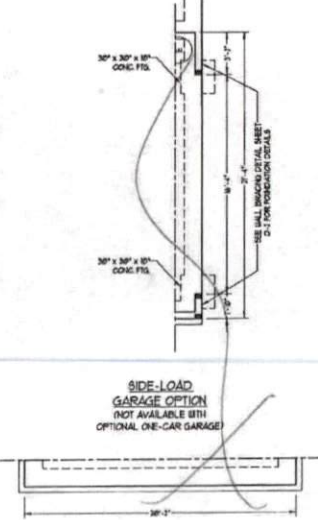
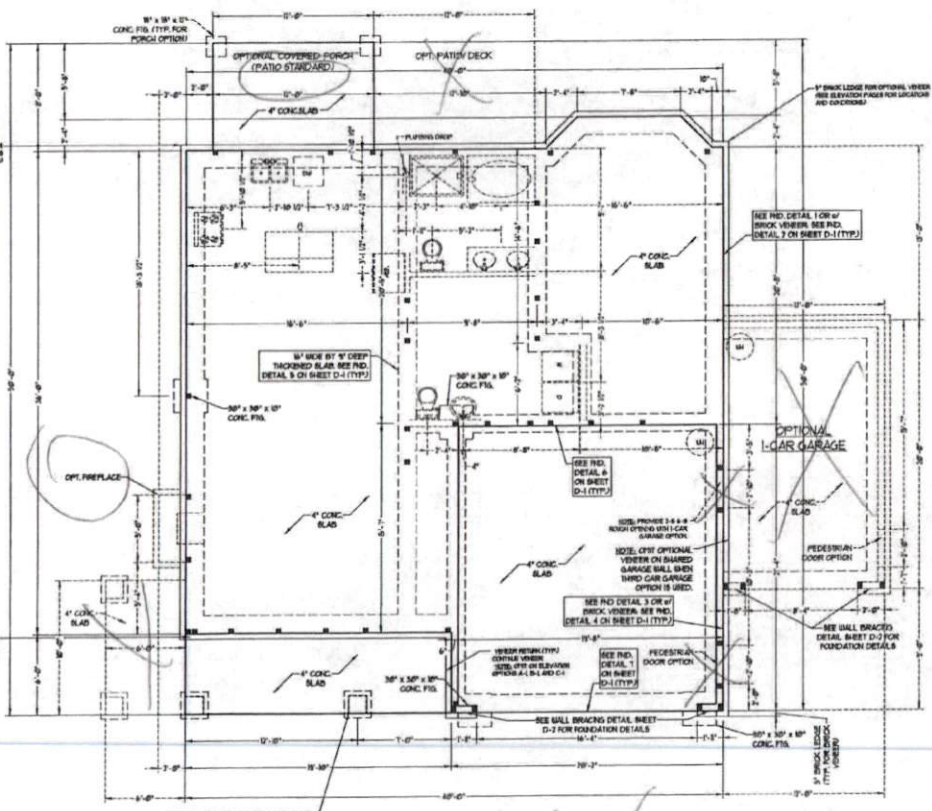
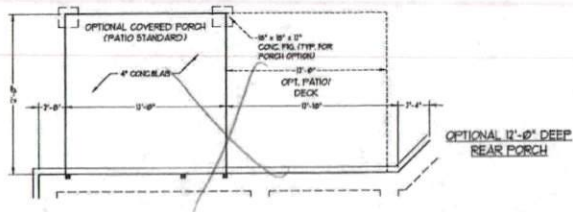
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REV: JANUARY 16, 2019
SCALE: 1/4" = 1'-0"
DRAWN BY: WJG
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SECOND FLOOR ELECTRICAL PLAN
E-2

ELECTRICAL LAYOUT NOTES:
1. BLOCK AND WIRE FOR ALL CIRCLED ITEMS PER PLAN.
2. VENTILATORS TO BE SET 4" MIN. ABOVE
3. ALL ADDITIONAL OUTLET/OUTLETS DEMANDS BY CODE TO BE LOCATED BY ELECTRICAL
4. PLACE SWITCHES 4" FROM THE NEAREST OBJECT

- ELECTRICAL LEGEND:**
- 120V OUTLET
 - 240V GFI OUTLET
 - 240V W/RETRACTED OUTLET
 - 4-PLUG
 - OUTLET IN FLUSH MOUNT
 - OUTLET IN FLUSH MOUNT (NEW)
 - 240V OUTLET
 - 240V DEDICATED CIRCUIT
 - SPECIAL PAPERWORK (GFI, ETC)
 - GFI TROUBLE LIGHT
 - GFI TROUBLE LIGHT
 - PENDING LIGHT
 - HISS CAN LIGHT
 - SMALL LIGHT
 - ALIGNMENT LINE
 - OVERCURRENT LIGHT
 - FLOOR LIGHT
 - SWITCH
 - 2-WAY SWITCH
 - 3-WAY SWITCH
 - DIMMER SWITCH
 - TELEPHONE
 - TV CONNECTION
 - CONNECTION FOR CEILING FAN
 - W/RETRACT
 - DIMMER SWITCH
 - 120V 1/2" x 3/4" SECTION
 - CLOSET PAN
 - 120V VOLTAGE PANEL
 - ⊗ CLOSET PAN
 - ⊗ CLOSET PAN W/LIGHT





**REVISIONS TO THESE DRAWINGS ARE SUBJECT TO THE FOLLOWING NOTES FOR LEAD DRAIN 30\"/>

1. DRAWINGS ARE APPROVED ONLY TO ORIGINAL CONTRACTOR. ENGINEER DOES NOT ACCEPT RESPONSIBILITY FOR ANY CHANGES OR MODIFICATIONS MADE TO ORIGINAL DRAWINGS WITHOUT WRITTEN APPROVAL OF ENGINEER.
2. FOUNDATION DESIGN PROVIDED CONFORMS WITH RESIDENTIAL CODE, NEW EDITION.
3. WALLS TO BE CONSTRUCTED WITH 8\"/>**

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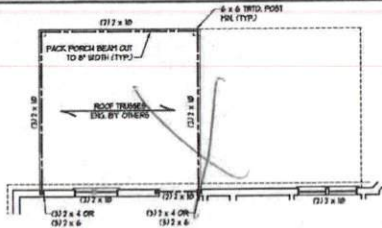
J.S. THOMPSON ENGINEERING, INC.
 AN AFFILIATE OF H&H HOMES, INC.
 1000 W. STATE ST. JACKSONVILLE, FL 32202
 PHONE: 904.241.1111 FAX: 904.241.1112
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KENT H&H HOMES, INC.

DATE: 01/11/2010 10:30 AM
 SCALE: 1/4" = 1'-0"
 DRAWN BY: HTH/STG
 CHECKED BY: WTB



Sheet 2 of 7
 S-1.2
 SECOND FLOOR FOUNDATION PLAN

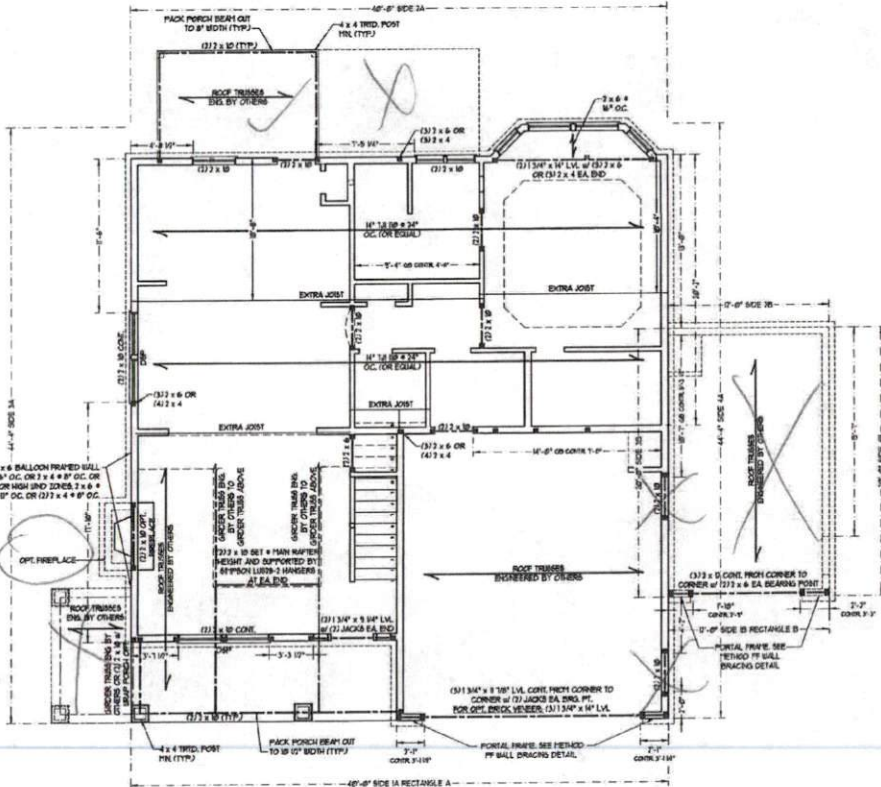


BRACED WALL DESIGN

RECTANGLE A	RECTANGLE B
SIDE 1A (FRONT LOAD)	SIDE 1B
PERIOD: C5-80/60/45	PERIOD: C5-80/60/45
TOTAL REQUIRED LENGTH 13.81'	TOTAL REQUIRED LENGTH 13.81'
TOTAL PROVIDED LENGTH 13.81'	TOTAL PROVIDED LENGTH 13.81'
SIDE 2A	SIDE 2B
PERIOD: C5-80/60/45	PERIOD: C5-80/60/45
TOTAL REQUIRED LENGTH 13.81'	TOTAL REQUIRED LENGTH 13.81'
TOTAL PROVIDED LENGTH 13.81'	TOTAL PROVIDED LENGTH 13.81'
SIDE 3A	SIDE 3B (A/B BRACED)
PERIOD: C5-80/60/45	PERIOD: C5-80/60/45
TOTAL REQUIRED LENGTH 13.81'	TOTAL REQUIRED LENGTH 13.81'
TOTAL PROVIDED LENGTH 13.81'	TOTAL PROVIDED LENGTH 13.81'
SIDE 4A (SIDE LOAD)	SIDE 4B
PERIOD: C5-80/60/45	PERIOD: C5-80/60/45
TOTAL REQUIRED LENGTH 13.81'	TOTAL REQUIRED LENGTH 13.81'
TOTAL PROVIDED LENGTH 13.81'	TOTAL PROVIDED LENGTH 13.81'

- BRACED WALL DESIGN NOTES**
- BRACED WALL DESIGN PER SECTION REAR END OF THE REAR PORCH SECTION.
 - C5-80/60/45 REFERS TO "CONTINUOUS INERTIALS - WOOD STRUCTURAL PANELS" CONTRACTOR IS TO INSTALL 1/2" OSB ON ALL EXTERIOR WALLS ATTACHED TO FOUNDATION SPACED @ 16" O.C. ALONG PANEL EDGES AND 24" O.C. IN THE FIELD.
 - OSB REFERS TO "STRIP BOARD" CONTRACTOR IS TO INSTALL 1/2" STRIP BOARD WALL BOARDING NOTED ON THE PLANS. FASTEN OSB WITH 1 1/4" SCREWS ON 16" NAILS SPACING 1" O.C. ALONG PANEL EDGES AND IN THE FIELD HOLDING TOP AND BOTTOM PLATES.
 - BRACED WALL DESIGN APPLIED TO WIND ZONE 2 UP TO 100 MPH FOR HIGH WIND ZONES BRACE WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 45 OF THE REAR PORCH EDITION. SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL INFORMATION.

NOTE: ALL EXTERIOR WALLS AND ATTIC WALLS ARE TO BE 2 x 6 @ 16" O.C. MIN. (NO) 2 x 4 @ 16" O.C. EXTERIOR WALLS MAY BE CONSTRUCTED IN LIEU OF 2 x 6 WALLS (NO). ALL INTERIOR LOAD BEARING WALLS ARE TO BE 2 x 4 @ 16" O.C. (NO) AND NON-LOAD BEARING INTERIOR WALLS ARE TO BE 2 x 4 @ 24" O.C. (NO).



LINTEL SCHEDULE FOR BRICK/NATURAL STONE SUPPORT

LENGTH (FT.)	SIZE OF LINTEL
UP TO 4 FT.	L 3 X 4 X 3/8 LVL
4-8	L 3 X 6 X 3/8 LVL
8 AND GREATER	L 4 X 6 X 3/8 LVL

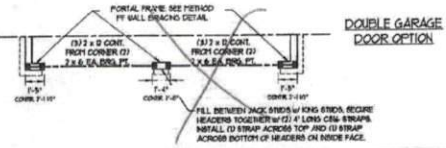
- BRICK SUPPORT NOTES**
- LINTEL SCHEDULE APPLIES TO ALL OPENINGS IN BRICK VENEER (GAS) SEE ARCH DRAWING FOR SIZE AND LOCATION OF OPENINGS.
 - LENGTH = CLEAR OPENING.
 - DEPTH ALL ANGLE IRONS PER 1/4" EACH END AND VENER TO PROVIDE BEARING FOR ALL HEADERS 4" AND GREATER IN LENGTH ATTACH STEEL ANGLE TO HEADERS BY 1/4" LAG SCREWS @ 24" O.C. STAGGERED.
 - FOR ALL BRICK SUPPORT - ROOF LINES FASTEN (2) 2 x 4 @ 16" BLOCKING BETWEEN SIDES OF (4) 2x4S PER PLY. FASTEN 4" x 4" x 1/2" STEEL ANGLE TO (2) 2 x 4 @ 16" BLOCKING BY (2) 1/2" LAG SCREWS @ 24" O.C. STAGGERED. SEE SECTION FOR SCHEDULE OF THE 2008 IRC FOR ADDITIONAL BRICK SUPPORT INFORMATION.
 - PRECAST REINFORCED CONCRETE LINELS ENGINEERED BY OTHERS MAY BE USED IN LIEU OF STEEL LINELS.

- STRUCTURAL NOTES**
- ALL FRAMING LIPS/ENDS TO BE 5/8" x 5/8" ALL TREATED LIPS/ENDS TO BE 5/8" x 5/8".
 - ALL LOAD BEARING HEADERS TO BE (2) 3 x 6 (NO) 3. PROVIDE AN EXTRA JOIST UNDER WALLS PARALLEL TO FLOOR JOISTS (BEHIND WALLS) ON THE PLANS.
 - BRACE AND JOIST HEADERS TO BE SUPPORTED BY (1) JACK STUD AND (1) KING STUD EA END (NO) SEE TABLE SHEETS FOR ADDITIONAL KING STUD REQUIREMENTS.
 - SQUARE CONCRETE POST LOADS WHICH REQUIRE BOLD BLOCKING TO BE USED OR FOUNDATION. ALL SQUARES TO BE (2) BRDS (NO).
 - FOR HIGH WIND ZONES ALL EXTERIOR WALLS TO BE BRACED WITH 1/2" OSB SHEATHING WITH JOISTS BRACED AND SIGNED WITH 8d NAILS AT 3" O.C. ALONG EDGES AND 16" O.C. IN THE FIELD.
 - FOR HIGH WIND ZONES SECURE ALL EXTERIOR WALL BRACING PANELS TO DOUBLE TOP PLATES, DIAPHRAGMS, AND CORNERS WITH (2) ROWS OF 8d NAILS STAGGERED AT 3" O.C. PANELS SHALL EXTEND 3" BEYOND CORNER JOINTS AND SHALL OVERLAP GIRDERS AND DOUBLE END PLATES THEIR FULL DEPTH.
 - ALL 4 x 4 POSTS SHALL BE ANCHORED TO SLABS BY APPROX 4000# POST BARS FOR EQUAL AND 6 x 6 POSTS BY 4000# POST BARS FOR EQUAL (NO). ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 300 LB CAPACITY (PR) BY CONNECTIONS AT TOP (NO).
 - FOR FRONTAL ANCHORAGE OR COLUMN END BY OTHERS SECURE TO SLAB BY (2) 1/2" ANGLE BRAS 3/8" x 3" CONC. SECURE FASTEN ANGLE TO COLUMN BY (4) THROUGH BOLTS w/ NUTS AND WASHERS. LOCATE ANGLE ON OPPOSITE SIDES OF COLUMN. THROUGH BOLTS MUST BE INSTALLED PRIOR TO SETTING COLUMN.
 - REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.
- DWP INDICATES DOUBLE STUD POCKET BETWEEN BRIDGE BEAMS.

TABLE SHEETS

THIRTY EIGHT (38) FULL HEIGHT BEAMS AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER BEAM (FEET)	PARTIAL END SPACERS (FEET)	
	16"	24"
UP TO 7'	1	1
8'	2	2
9'	3	3



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 K.L. LICENSE NO. 01111

KENT G. STINSON
 H&S HOMES, INC.

NOTE: ALL EXTERIOR WALLS AND ATTIC WALLS ARE TO BE 2 x 6 @ 16" O.C. MIN. (NO) 2 x 4 @ 16" O.C. EXTERIOR WALLS MAY BE CONSTRUCTED IN LIEU OF 2 x 6 WALLS (NO). ALL INTERIOR LOAD BEARING WALLS ARE TO BE 2 x 4 @ 16" O.C. (NO) AND NON-LOAD BEARING INTERIOR WALLS ARE TO BE 2 x 4 @ 24" O.C. (NO).

BRACED WALL DESIGN NOTES:

- BRACED WALL DESIGN PER SECTION NUMBER OF THE HOHC 2ND EDITION.
- CS WIP REFERS TO 'CONTINUOUS BEARING - 1000 STRUCTURAL PANEL' CONTRACTOR IS TO INSTALL 1/4" ODS ON ALL EXTERIOR WALLS ATTACHED w/ 84 NAILS SPACED 4" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.
- ODS REFERS TO 'OUTSTAY BOARDING' CONTRACTOR IS TO INSTALL 1/2" CDU GYPTUM WALL BOARD WHERE NOTED ON THE PLAN. FASTENERS WITH 1 1/4" SCREWS ON 1 1/4" WALL BRACED 1" O.C. ALONG PANEL EDGES AND IN THE FIELD INCLUDING TOP AND BOTTOM FLANGES.
- BRACED WALL DESIGN APPLIED IN WIND ZONES UP TO 130 MPH. FOR WIND WIND ZONES, BRACED WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 6 OF THE HOHC 2ND EDITION. SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL INFORMATION.

NOTE:

- PER SECTION NUMBER 3 OF THE 2ND HOHC, THE POSITION OF BRACING ON THE SECOND FLOOR EXCEEDS THE AREA REQUIRED FOR THE FIRST FLOOR AND NO BRACED WALL ANALYSIS IS REQUIRED.
- BRACE ALL EXTERIOR WALLS WITH 1/4" ODS SHEATHING ATTACHED WITH 84 NAILS AT 4" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.

LENGTH (L)	SIZE OF LINTEL
UP TO 4 FT.	L 3 1/2 x 3 1/2 x 8 1/2
4-8	L 3 x 3 1/2 x 3/4 LVL
8 AND GREATER	L 6 x 4 x 3/4 LVL

BRICK SUPPORT NOTES:

- LINTEL SCHEDULE APPLIES TO ALL OPENING IN BRICK VENEER (NO) AND BRICK CHASES FOR SIZE AND LOCATION OF OPENING.
- LVL - LONGER VERTICAL.
- LENGTH - CLEAR OPENING.
- SPREAD ALL ANGLE WIND NAIL 4" EACH SIDE INTO WINDEN TO PROVIDE BRACING.
- FOR ALL BRACKERS 8" O" AND GREATER IN LENGTH ATTACH STEEL ANGLE TO HEADER BY 1/2" LAG SCREWS @ 2' O.C. STAGGERED.
- FOR ALL BRICK SUPPORT & ROOF LINEN, FASTEN (1/2" x 10" BLOCKING BETWEEN STUDS w/ 16D NAILS PER F.C. FASTEN A 8" x 4" x 3/4" STEEL ANGLE TO (1/2" x 10" BLOCKING w/ 12" LAG SCREWS @ 2' O.C. STAGGERED. SEE SECTION NUMBER 3 OF THE 2ND HOHC FOR ADDITIONAL BRICK SUPPORT INFORMATION.
- PRECAST REINFORCED CONCRETE LINTELS BRACKED BY OTHERS MAY BE USED IN LIEU OF STEEL LINTELS.

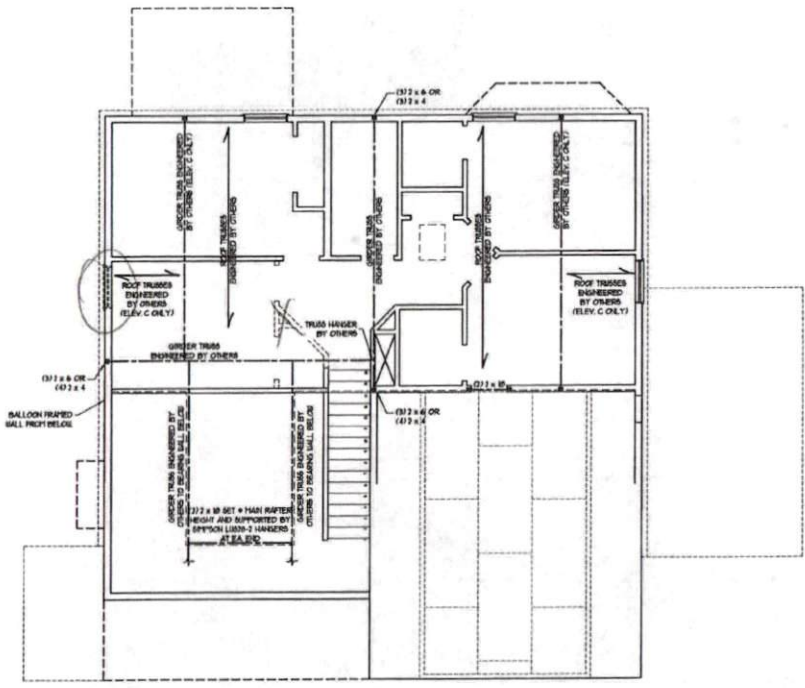
STRUCTURAL NOTES:

- ALL FRAMING LUMBER TO BE SPF 5 (NO) ALL TREATED LUMBER TO BE SYP 4 (NO).
- ALL LOAD BEARING HEADERS TO BE (1 1/2" x 6 (NO).
- SINKS AND DOOR HEADERS TO BE SUPPORTED w/ (1) JACK STUD AND (1) KING STUD EA. END (NO). SEE TABLE NUMBER 1 FOR ADDITIONAL KING STUD RECOMMENDATIONS.
- SQUARES DENOTE POINT LOADS WHICH RESIST SOLID BLOCKS TO GROUND OR FOUNDATION. ALL SQUARES TO BE (2) 2X6'S (NO).
- FOR WIND ZONES, ALL EXTERIOR WALLS TO BE BRACKED WITH 1/4" ODS SHEATHING WITH JOINTS BRACKED AND SECURED WITH 84 NAILS AT 3" O.C. ALONG EDGES AND 12" O.C. IN THE FIELD.
- FOR WIND ZONES, SECURE ALL EXTERIOR WALL SHEATHING PANELS TO DOUBLE TOP PLATE, JOISTS, AND GIRDERS WITH (2) ROWS OF 84 NAILS STAGGERED AT 3" O.C. PANELS SHALL EXTEND 12" BEYOND CONNECTION JOISTS AND SHALL OVERLAP GIRDERS AND DOUBLE GILL PLATES THEIR FULL DEPTH. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.



TABLE NUMBER 1
MINIMUM NUMBER OF NAIL SHEET EDGES AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (FEET)	MINIMUM END BRACING (SECTION 3 OF TABLE NUMBER 1)	SI
UP TO 3'	1	1
3'	1	1
4'	2	2
5'	2	2
6'	3	3

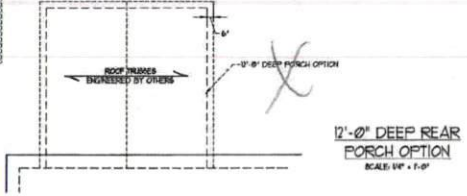


J.S. THOMPSON ENGINEERING, INC.
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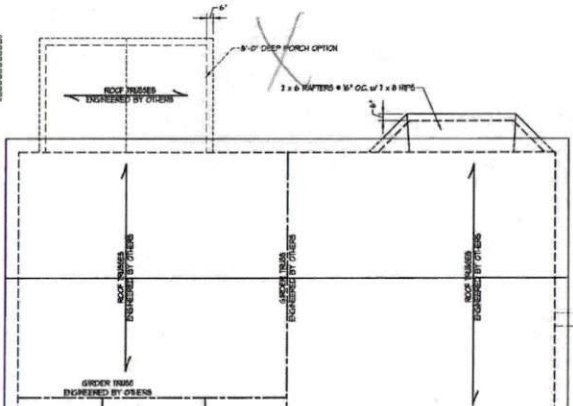
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DATE: JANUARY 23, 2010
SCALE: 1/8" = 1'-0"
DRAWN BY: DALE HENRICH
CHECKED BY: WSP
SHEET 4 OF 7
S-3
CELLING FRAMING PLAN

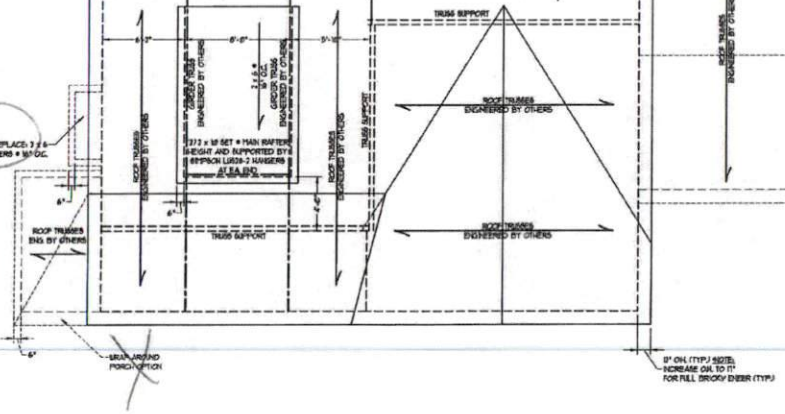
ATTIC VENT CALCULATION:
 92 SQ. FT. OF ATTIC DIVIDED BY
 R6 REQUIRES 81 SQ. FT. OF NET
 FREE VENTILATING AREA (FVLA)



ATTIC VENT CALCULATION:
 88 SQ. FT. OF ATTIC DIVIDED BY
 R6 REQUIRES 81 SQ. FT. OF NET
 FREE VENTILATING AREA (FVLA)



ATTIC VENT CALCULATION:
 68 SQ. FT. OF ATTIC DIVIDED BY
 R6 REQUIRES 64 SQ. FT. OF NET
 FREE VENTILATING AREA (FVLA)



ATTIC VENT CALCULATION:
 266 SQ. FT. OF ATTIC DIVIDED BY
 R6 REQUIRES 184 SQ. FT. OF NET
 FREE VENTILATING AREA (FVLA)

ATTIC VENT CALCULATION:
 878 SQ. FT. OF ATTIC DIVIDED BY
 R6 REQUIRES 628 SQ. FT. OF NET
 FREE VENTILATING AREA (FVLA)

- BRICK SUPPORT HOSE.**
- FASCON (1) 3 x 8 BLOCCING BETWEEN SHALL NEED 4 (4) SCHEDULE 40 PER FT. EASTING A 6" x 4" x 5/8" STEEL ANGLE TO (1) 2 x 10 BLOCCING @ (1) 17" LAG SCREWS @ 12" O.C. AS SHOWN, SEE SECTION (1) 2) 1) OF THE 2018 IRC FOR ADDITIONAL BRICK SUPPORT INFORMATION.
 - SHORE ROOF SLOPES EXCEED 15% INSTALL 3" x 3" x 1/2" BRICK FLARE SCREWS AT 24" O.C. PER SECTION (1) 2) 1) OF THE 2018 INTERNATIONAL RESIDENTIAL CODE, 2018 EDITION.

- STRUCTURAL NOTES.**
- ALL FRAMING LUMBER TO BE 1" SPC (K12)
 - CIRCLES DENOTE (1) 2 x 4 POLES FOR ROOF SUPPORT.
 - FRAME DOWN SALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS.
 - 1/4" BRICKS ARE TO BE SPACED A MIN. OF 8'-0". FASCON RAFTERS WITH THREE ROWS OF 20 NAILS @ 8" O.C. (TYP)
 - STICK FRAME OVER-PAINTED ROOF SECTIONS 1" x 8 RIDGES, 2 x 8 RAFTERS @ 16" O.C. AND FLAT 2 x 10 VALLEYS OR USE VALLEY TRIMMS.
 - FASCON FLAT VALLEYS TO RAFTERS OR TRIMMS WITH BETWEEN 1/4" BRICKS @ 16" x 3/4" O.C. MAX. 1/4" BRICKS ARE TO BE THROUGH NOTCH IN ROOF SHEATHING. EACH RAFTER IS TO BE FASTENED TO THE FLAT VALLEY WITH A MIN. OF 10 (10) 16 D NAILS.
 - REFER TO SECTION (1) 2) 1) OF THE 2018 IRC FOR REQUIRED W/P RT RESISTANCE AT RAFTERS AND TRIMMS.
 - REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

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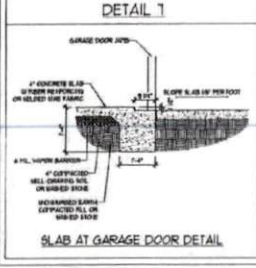
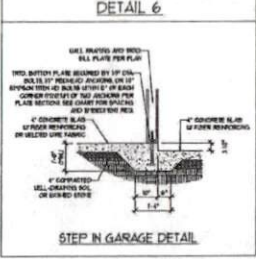
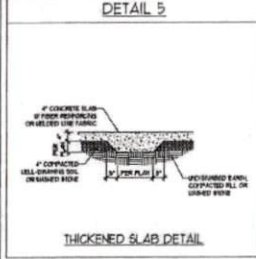
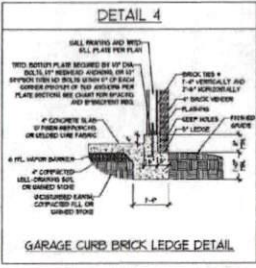
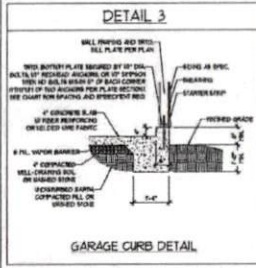
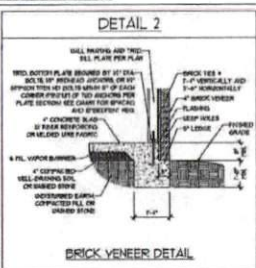
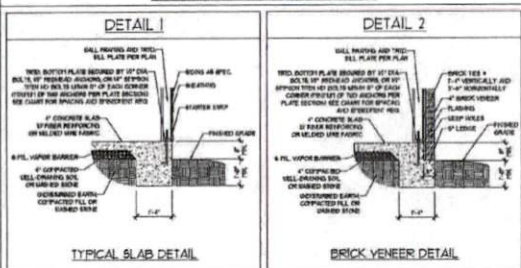
KENT
 H&H HOMES, INC.



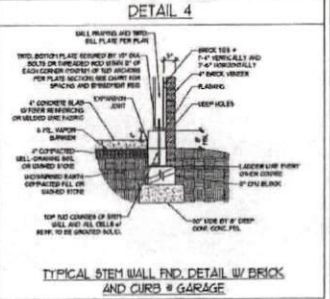
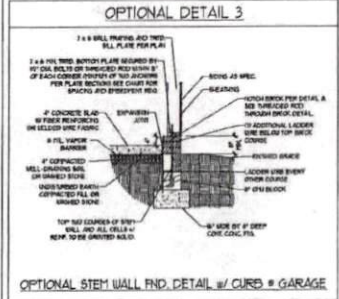
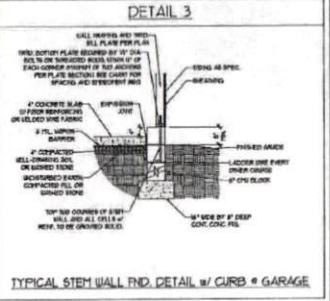
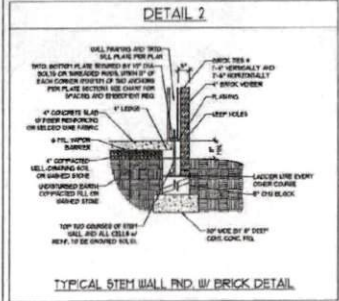
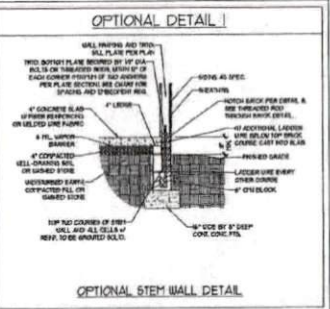
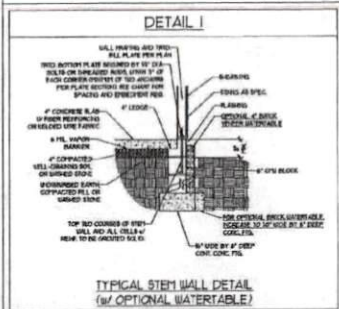
DATE: FEBRUARY 23, 2020
 SCALE: 1/4" = 1'-0"
 DRAWN BY: WKS/B/MSB
 CHECKED BY: WBS
 SHEET 6 OF 7
 S-4b
 ROOF FRAMING PLAN

ELEVATION B

MONOLITHIC SLAB DETAILS



STEM WALL DETAILS



MASONRY STEM WALL SPECIFICATIONS

WALL HEIGHT (FEET)	MASONRY WALL TYPE			
	8" CMU	8" BRICK AND 4" CMU	8" BRICK AND 8" CMU	8" CMU
1 AND BELOW	UNGRADED	GRADED SOLID	UNGRADED	UNGRADED
2	UNGRADED	GRADED SOLID	UNGRADED	UNGRADED
3	GRADED SOLID	GRADED SOLID w/ 1/4" REBAR @ 48" O.C.	GRADED SOLID	GRADED SOLID w/ 1/4" REBAR @ 48" O.C.
4	GRADED SOLID	GRADED SOLID w/ 1/4" REBAR @ 36" O.C.	GRADED SOLID	GRADED SOLID w/ 1/4" REBAR @ 48" O.C.
5	GRADED SOLID	NOT APPLICABLE	GRADED SOLID	GRADED SOLID w/ 1/4" REBAR @ 48" O.C.
6	GRADED SOLID	NOT APPLICABLE	GRADED SOLID	GRADED SOLID w/ 1/4" REBAR @ 48" O.C.
1 AND GREATER	ENGINEER DETERMINED ON SITE EXAMINATION			

STRUCTURAL NOTES:

1. WALL HEIGHT MEASURED FROM TOP OF FOOTING TO TOP OF THE WALL.
2. THE TIE TYPE & THIS TOGETHER WITH LIGGER WIRE AT 8" O.C. VERTICALLY.
3. LIGGER APPLICABLE FOR HOUSE FOUNDATION ONLY. CONSULT ENGINEER FOR DESIGN OF GARAGE FOUNDATION NOT COVERED TO HERE.
4. BACKFILL OF CLEAR 90% UNBANKED SOIL IS ALLOWABLE.
5. BACKFILL OF CLEAR 90% UNBANKED SOIL (40 PWFAT BELOW GRADE) CLASSIFIED AS GROUP 1 ACCORDING TO UNBANKED SOILS CLASSIFICATION SYSTEM IN ACCORDANCE WITH (ENCL. B) OF THE 2008 INTERNATIONAL RESIDENTIAL CODE ARE ALLOWABLE.
6. PREP SLAB PER (ENCL. 2) AND (ENCL. 2) BASE OF THE 2008 INTERNATIONAL RESIDENTIAL CODE.
7. MINIMUM 12" LIFT PER 5' DIA. LENGTH.
8. LOCATE REBAR IN CENTER OF FOUNDATION WALL.
9. WHERE REQUIRED, FILL BLOCK SOLID WITH TYPE "S" PORTLAND OR MORTAR PER (ENCL. USE OF "S" LIFT GROUP) PERIODIC REQUIRED WITH FILLING WALLS WITH GROUT AT HEIGHTS OF 9' AND GREATER.

ANCHOR SPACING AND EMBEDMENT

WIND ZONE	DR FPM	130 FPM
SPACING	6'-0" O.C.	4'-0" O.C.
EMBEDMENT	"	3" INTO MASONRY 1" INTO CONCRETE

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100 W. WALKER AVE., SUITE 100A, RALEIGH, NC 27601
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ALL LICENSE NO. 02731

120 MPH - 130 MPH ULTIMATE DESIGN WIND SPEED
FOUNDATION DETAILS

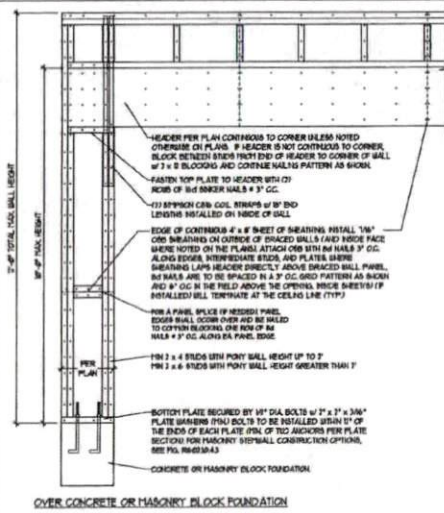


DATE: NOVEMBER 14, 2019
SCALE: 1/8" = 1'-0"
DESIGNER: J.S.T.
ENGINEERED BY: J.S.T.

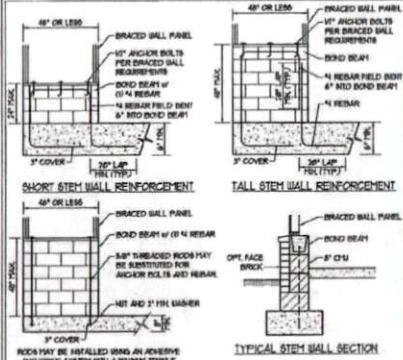
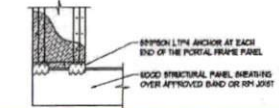
D-1
FOUNDATION DETAILS

GENERAL WALL BRACING NOTES:

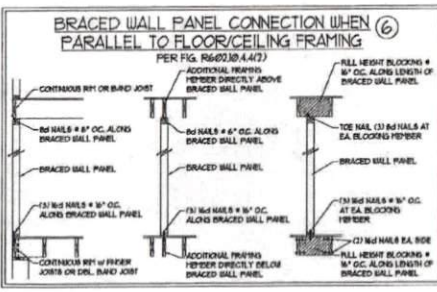
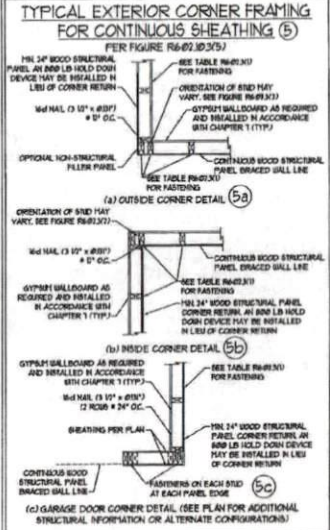
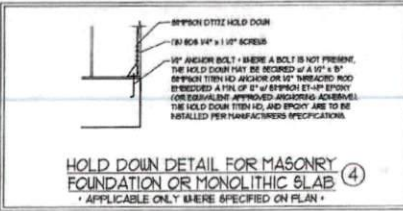
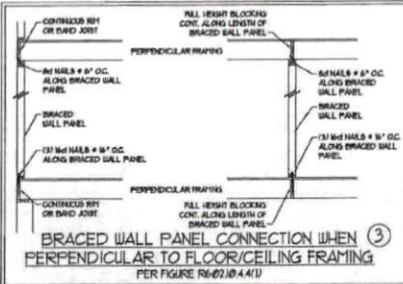
1. WALL BRACING DERIVED IN ACCORDANCE WITH CHAPTER 6 OF THE IBC-NC RESIDENTIAL BUILDING CODE (RBC) TABLES AND FIGURES REFERENCED ARE FROM THE 2009 RBC.
2. SEE THIS SHEET FOR GENERAL DETAILS. REFER TO THE BRACING FOR ADDITIONAL INFORMATION AS NEEDED.
3. SEE STRUCTURAL SHEETS FOR BRACED WALL LOCATIONS, DIMENSIONS, HOLD DOWN TYPE, AND LOCATIONS. BRACED WALL LINE NEW WITH WALL DESIGN SUMMARY OF REQUIRED/PROVIDED TENSILE FOR EACH WALL LINE AND ANY SPECIAL NOTES OR REQUIREMENTS.
4. ALL EXTERIOR WALLS ARE TO BE BRACED WITH C8-10P IN ACCORDANCE WITH SECTION NUMBERS UNLESS NOTED OTHERWISE.
5. ALL EXTERIOR AND INTERIOR WALLS TO HAVE 1/2" GYPSUM INSTALLED WHEN NOT USING METHOD 'M', GYPSUM TO BE FASTENED PER TABLE R6-02.10.2. METHOD 'M' TO BE FASTENED PER TABLE R6-02.10.3.
6. C8-10P REFERS TO THE 'CONTINUOUS BRACING' - WOOD STRUCTURAL PANEL BRACING METHOD. 1/2" OSB BRACING IS TO BE INSTALLED ON ALL EXTERIOR WALLS ATTACHED TO JOIST WALLS OR 8x4 (7" 1/2" LONG x 8 1/2" DEEP) WALLS BRACED 4' O.C. ALONG PANEL. EXTERIOR 1/2" OSB IN THE FIELD (UNCL).
7. OSB REFERS TO THE 'STIFF BOARD' WALL BRACING METHOD. 1/2" GYPSUM WALL BOARD IS TO BE INSTALLED ON BOTH SIDES OF THE BRACED WALL FASTENED WITH 1/2" SCREWS ON 12" O.C. ALONG PANEL EDGES INCLUDING TOP AND BOTTOM PLATES AND INTERMEDIATE SUPPORTS (UO). VERIFY ALL FASTENER OPTIONS FOR 1/2" AND 5/8" GYPSUM PRIOR TO CONSTRUCTION. FOR INTERIOR FASTENER OPTIONS SEE TABLE R6-02.10.3. FOR EXTERIOR FASTENER OPTIONS SEE TABLE R6-02.10.2. EXTERIOR OSB TO BE INSTALLED VERTICALLY.
8. REQUIRED BRACED WALL LENGTHS FOR EACH LINE OF THE CIRCUMSCRIBED RECTANGLE ARE INTERPOLATED PER TABLE R6-02.10.1. METHOD C8-10P CONTRIBUTES ITS ACTUAL LENGTH PERIODIC BRACING TO ITS ACTUAL LENGTH AND METHOD FF CONTRIBUTES TO ITS FB ACTUAL LENGTH.



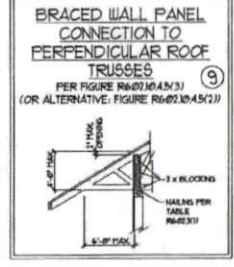
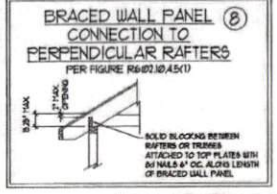
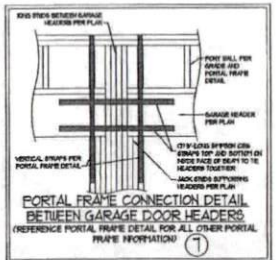
METHOD FF-PORTAL FRAME DETAIL ①



MASONRY STEM WALLS SUPPORTING BRACED WALL PANELS ②
PER FIGURE R6-02.10.3



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33736
J.S. THOMPSON
ENGINEERING
1/22/2020

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1000 W. STATE ST. SUITE 100
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N.C. LICENSE NO. 0171

120 MPH - 130 MPH ULTIMATE DESIGN WIND SPEED
WALL BRACING NOTES AND DETAILS

DATE: NOVEMBER 14, 2018
SCALE: 1/4" = 1'-0"
DRAWN BY: JST
ENGINEERED BY: JST

D-2
BRACED WALL NOTES AND DETAILS AND FF DETAIL

GENERAL NOTES

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIP, VALLEY, RIDGE, FLOOR WALLS, BEAMS, BEGERS, COLUMNS, CANTILEVERS, OPEN END BEARING WALLS, PIERS, GIRDERS, SYSTEM AND FOOTING. ENGINEER'S SEAL DOES NOT CONFIRM DIMENSIONAL ACCURACY OF ARCHITECTURAL LAYOUT INCLUDING ROOF. ENGINEER'S SEAL DOES NOT APPLY TO 1-JOIST OR FLOOR/CEILING TRUSS LAYOUT DESIGN AND CONTRACT.
 - ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE (NRC) 2008 EDITION, PLUS ALL LOCAL CODES AND REGULATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK. NOR WILL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 - STRUCTURAL DESIGN BASED ON THE PROVISIONS OF THE NRC, 2008 EDITION (REMARK 4 - REMARK 7)
- | DESIGN CRITERIA | LIVE LOAD (PSF) | DEAD LOAD (PSF) | DEFLECTION (IN) |
|---|--------------------|-----------------|-------------------------------------|
| ATTIC WITH LIFTED STORAGE | 20 | 10 | L/240 (L/360 IF BRITTLE FIBERGLASS) |
| DECKS | 40 | 10 | L/240 |
| EXTERIOR BALCONIES | 40 | 10 | L/240 |
| FINES ESCAPES | 40 | 10 | L/240 |
| HANDRAILS/GUARDRAILS | 200 LB OR 50 (PSF) | 10 | L/240 |
| PASSENGER VEHICLE GARAGE | 40 | 10 | L/240 |
| ROOMS OTHER THAN SLEEPING ROOM | 40 | 10 | L/240 |
| SLEEPING ROOMS | 30 | 10 | L/240 |
| STAIRS | 40 | 10 | L/240 |
| END LOAD (BASED ON TABLE R402.4 AND EXPOSURE) | 20 (PSF) | | |
| GROUND SNOW LOAD, Ps | | | |
- 1-JOIST SYSTEM DESIGNED WITH 5 PSF DEAD LOAD AND DEFLECTION (IN) OF L/360
- FLOOR TRUSS SYSTEMS DESIGNED WITH 5 PSF DEAD LOAD
 - FOR IS AND 20 PERCENT ZONE FOUNDATION ANCHORAGE IS TO COMPLY WITH SECTION R403.1.6 OF THE NRC, 2008 EDITION. FOR 10 PSF, 10 PSF, AND 100 PSF AND 200A, FOUNDATION ANCHORAGE IS TO COMPLY WITH SECTION 4.04.4 OF THE NRC, 2008 EDITION.
 - ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 6 OF THE NRC, 2008 EDITION.

FOOTING AND FOUNDATION NOTES

- FOUNDATION DESIGN BASED ON A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 PSF. CONTACT GEOTECHNICAL ENGINEER IF BEARING CAPACITY IS NOT ACHIEVED.
- FOR ALL CONCRETE SLABS AND FOOTINGS, THE AREA WITHIN THE PERIMETER OF THE BUILDING ENVELOPE SHALL HAVE ALL VEGETATION, TOP SOIL, AND FOREIGN MATERIAL REMOVED. FILL MATERIAL SHALL BE FREE OF VEGETATION AND FOREIGN MATERIAL. THE FILL SHALL BE COMPACTED TO AVERAGE UNIFORM SUPPORT OF THE SLAB, AND EXCEPT WHERE APPROVED, THE FILL DEPTH SHALL NOT EXCEED 24" FOR CLEAN SAND OR GRAVEL, 4" 4" THICK SANDY COARSE CONCRETE OF CLEAN GRADED SAND OR GRAVEL SHALL BE PLACED. A SAND COURSE IS NOT REQUIRED WHERE A CONCRETE SLAB IS INSTALLED ON BELL-CURVED OR SAND-GRANULE-THICKNESS BOLA CLEARLY AS GROUP 1, ACCORDING TO THE UNIFIED SOIL CLASSIFICATION SYSTEM IN ACCORDANCE WITH TABLE R401.1 OF THE NRC, 2008 EDITION.
- PROPERLY DESIGNER EXCAVATION PRIOR TO POURING CONCRETE WHEN BOTTOM OF CONCRETE SLAB IS AT OR BELOW WATER TABLE. IF APPLICABLE, 3/4" - 1" DEEP CONTROL JOINTS ARE TO BE MADE WITHIN 4 TO 8 HOURS OF CONCRETE FINISHING AND WALL LOCATIONS HAVE BEEN THOUGHT. ACUTE CORNERS NECESSARY.
- CONCRETE SHALL CONFORM TO SECTION R402.2 OF THE NRC, 2008 EDITION. CONCRETE REINFORCING STEEL TO BE ASTM A63 GRADE 60, SELLER'S MARK FABRIC TO BE ASTM A955. MAINSPAN A MINIMUM CONCRETE COVER AROUND REINFORCING STEEL OF 1" IN FOOTING AND 1 1/2" IN SLABS. FOR FORMED CONCRETE WALLS CONCRETE COVER FOR REINFORCING STEEL PLACED FROM THE INNER FACE OF THE WALL SHALL NOT BE LESS THAN 3/4". CONCRETE COVER FOR REINFORCING STEEL, PLACED FROM THE OUTSIDE FACE OF THE WALL, SHALL NOT BE LESS THAN 1 1/2" FOR 5 BARS OR SMALLER, AND NOT LESS THAN 2" FOR 8 BARS OR LARGER.
- MASONRY UNITS TO CONFORM TO ACE EXHIBIT 419.08. FORMER SHALL CONFORM TO ASTM C750.
- THE UNSUPPORTED HEIGHT OF MASONRY PIERS SHALL NOT EXCEED FOUR TIMES THEIR LEAST DIMENSION FOR FILLED HOLLOW CONCRETE MASONRY UNITS AND TEN TIMES THEIR LEAST DIMENSION FOR SOLID OR BORED FILLED PIERS. PIERS MAY BE FILLED SOLID WITH CONCRETE OR TYPE III OR 5 PORTLAND PIERS AND FILLS SHALL BE CAPPED WITH 8" OF SOLID MASONRY.
- THE CENTER OF EACH OF THE PIERS SHALL BEAR IN THE MIDDLE THIRD OF ITS RESPECTIVE FOOTING. EACH OTHER SHALL BEAR IN THE MIDDLE THIRD OF THE PIERS.
- ALL CONCRETE AND MASONRY FOUNDATION WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF SECTION R404 OF THE NRC, 2008 EDITION OR IN ACCORDANCE WITH ACE 98.02130 NCSA TRIM-A OR ACE EXHIBIT 419.08. MASONRY FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE R404.1.1 (PARTIAL) PARTIAL OR FULLY OF THE NRC, 2008 EDITION. CONCRETE FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE R404.1.1 OF THE NRC, 2008 EDITION. REEF CONCRETE FOUNDATION WALLS TO 3'-6" THICK WALLS WITH 8" O.C. WIRE GRADE F19625 (20).

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FRAMING NOTES

- ALL FINISHING LUMBER SHALL BE 7/8" THICK (PSF) + 575 PSF (V) + 575 PSF (E) + 800000 PSI (2008 EDITION) UNLESS NOTED OTHERWISE (2008). ALL TREATED LUMBER SHALL BE 8" 8" (PSF) (PSF) + 575 PSF (V) + 575 PSF (E) + 800000 PSI (2008 EDITION) UNLESS NOTED OTHERWISE (2008).
- LAMINATED VENEER LUMBER (LVL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: 70 + 2500 PSF (V) + 300 PSF (E) + 800000 PSI (2008 EDITION) UNLESS NOTED OTHERWISE (2008). PARALLEL STRAND LUMBER (PSL) UP TO 7" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: 70 + 2500 PSF (V) + 300 PSF (E) + 800000 PSI (2008 EDITION) UNLESS NOTED OTHERWISE (2008). PARALLEL STRAND LUMBER (PSL) MORE THAN 7" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: 70 + 2500 PSF (V) + 300 PSF (E) + 800000 PSI (2008 EDITION) UNLESS NOTED OTHERWISE (2008). INSTALL ALL CONNECTIONS PER MANUFACTURER'S SPECIFICATIONS.
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:
 - A. 8" AND 10" BEAMS: ASTM A992
 - B. CHANNELS AND ANGLES: ASTM A36
 - C. PLATES AND SHIMS: ASTM A36
 - D. BOLL OF STRUCTURAL SECTIONS: ASTM A500 GRADE B
 - E. STEEL PIPE: ASTM A53, GRADE B, TYPE E OR S
- STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3" 10" AND FULL FLANGE WIDTH (2008). PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED AT THE BOTTOM FLANGE TO EACH SUPPORT AS FOLLOWS (2008):
 - A. WOOD FRAMING: (2) 1/2" DIA. x 4" LONG LAG SCREWS
 - B. CONCRETE: (2) 1/2" DIA. x 4" BOLT END ANCHORS
 - C. MASONRY (FULLY GRADED): (2) 1/2" DIA. x 4" LONG ANCHORS WITH 10" ED ANCHORS
 LATRUAL SUPPORT IS CONSIDERED ADEQUATE PROVIDED THE JOISTS ARE 100% NAILED TO THE 2x HALLER ON TOP OF THE STEEL BEAM, AND THE 2x HALLER IS SECURED TO THE TOP OF THE STEEL BEAM (2) 20# OF SELF TAPPING SCREWS x 3/4" O.C. (2) ROUS OF 1/2" DIAMETER BOLTS x 3/4" O.C. IF 1/2" BOLTS ARE USED TO FASTEN THE HALLER, THE STEEL BEAM SHALL BE FABRICATED W/ 1/2" ROUS OF 5/8" DIAMETER HOLES x 3/4" O.C.
- SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDERS OR FOUNDATION. SHAPED SQUARES DENOTE POINT LOADS FROM ABOVE WHICH REQUIRE SOLID BLOCKING TO SUPPORTING MEMBER BELOW.
- ALL LOAD BEARING MEMBERS TO CONFORM TO TABLE R402.2 (1) AND R402.2 (2) OF THE NRC, 2008 EDITION OR BE (2) 3 x 6 WITH (2) JACK AND (2) 10# END EACH END (2008) UNLESS OTHERWISE NOTED. ALL BEAMS TO BE SECURED TO EACH JACK END WITH (4) 10# NAILS. ALL BEAMS TO BE SUPPORTED WITH (2) BRIDS AT EACH BEARING POINT (2008). INSTALL END BRIDS PER SECTION R402.2 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2008 EDITION.
- ALL BEAMS, HEADERS, OR GIRDERS TRUSSES PARALLEL TO WALL ARE TO BEAR FULLY ON (1) JACK OR (2) BRIDS PER (2008) OR THE NUMBER OF JACKS OR BRIDS NOTED. ALL BEAMS OR GIRDERS TRUSSES PERPENDICULAR TO WALL AND SUPPORTED BY (3) BRIDS OR LINE ARE TO HAVE 10# FINISH BEARING (2008). ALL BEAMS OR GIRDERS TRUSSES PERPENDICULAR TO WALL AND SUPPORTED BY MORE THAN (3) BRIDS OR OTHER NOTED COLUMN ARE TO BEAR FULLY ON SUPPORT COLUMN FOR ENTIRE BEAM LENGTH (2008). BEAM ENDS THAT BUTT INTO ONE ANOTHER ARE TO EACH BEAR EQUAL LENGTHS (2008).
- FITCH BEAMS SHALL BE BOLTED TOGETHER USING 1/2" DIAMETER BOLTS (ASTM A307) WITH WASHERS PLACED AT THE BEAM END OF BOLT. BOLTS SHALL BE SPACED AT 24" CENTERS (MINIMUM), AND STAGGERED AT TOP AND BOTTOM OF BEAM (7" EDGE DISTANCE) WITH (2) BOLTS LOCATED AT 6" FROM EACH END (2008).
- ALL 1-JOIST OR TRUSS LAYERS ARE TO BE IN COMPLIANCE WITH THE OVERALL DESIGN SPECIFIED ON THE PLANS. ALL DEVIATIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD PRIOR TO INSTALLATION.
- BRACED WALL PANELS SHALL BE CONSTRUCTED ACCORDING TO THE NORTH CAROLINA RESIDENTIAL CODE 2008 EDITION WALL BRACING CRITERIA, THE APPROX. LOCATION AND LOCATION OF BRACING WALL, COMPLY WITH ALL APPLICABLE TABLES IN SECTION R402.2.
- PROVIDE DOUBLE JOIST UNDER ALL WALLS PARALLEL TO FLOOR JOISTS. PROVIDE SUPPORT UNDER ALL WALLS PARALLEL TO FLOOR TRUSSES OR 1-JOIST PER MANUFACTURER'S SPECIFICATIONS. INSTALL BLOCKING BETWEEN JOISTS OR TRUSSES FOR POINT LOAD SUPPORT FOR ALL POINT LOADS ALONG OPEN END LOAD LINES.
- FOR ALL HEADERS SUPPORTING BRICK VENEER THAT ARE LESS THAN 8'-0" IN LENGTH, REST A 6" x 6" x 8'-0" STEEL ANGLE WITH 4" MINIMUM EMBEDMENT AT SIDES FOR BRICK SUPPORT (2008). FOR ALL HEADERS 8'-0" AND GREATER IN LENGTH, BOLT A 6" x 6" x 8'-0" STEEL ANGLE TO HEADER WITH 1/2" LAG SCREWS AT 12" O.C. STAGGERED FOR BRICK SUPPORT. FOR ALL BRICK SUPPORT AT ROOF LINES, BOLT A 6" x 6" x 8'-0" STEEL ANGLE TO (2) 2" x 10" BLOCKING INSTALLED W/ (4) 1/2" HALLER (A 1/2" BETWEEN WALL, END) WITH (2) ROUS OF 1/2" LAG SCREWS AT 12" O.C. STAGGERED AND IN ACCORDANCE WITH SECTION R403.1.6 (2) OF THE NRC, 2008 EDITION.
- FOR BRICK FINISHED ROOFS, CIRCLES DENOTE (3) x 4 POSTS FOR ROOF VENEER SUPPORT. 10# SPLICES ARE TO BE SPACED A MINIMUM OF 8'-0". FASTEN TRUSSES WITH THREE ROUS OF 5/8" NAILS AT 12" O.C. FRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS AS SHOWN (2008).
- FOR TRIMMED ROOFS, FRAME DORMER WALLS ON TOP OF 2 x 4 LADDER FRAMING AT 24" O.C. BETWEEN ADJACENT ROOF TRUSSES. STICK FRAME DORMER ROOF SECTION WITH 2 x 8 ROUSSES, 3 x 6 RAFTERS AT 12" O.C. AND PLAT 2 x 10 WALLS (2008).
- ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 1000 LB CAPACITY LIFT CONNECTIONS TOP AND BOTTOM (2008). POSTS MAY BE SECURED USING ONE APPROX 1/2" OR LESS (1/2" OR LESS) CONNECTION FASTENERS TO THE BRACK AND THE BRACK AT THE TOP OF EACH POST. ONE 1/2" SECTION OF APPROX 200# COIL STRAPPING WITH 10# 1/2" NAILS AT EACH END MAY BE USED IN LIEU OF EACH POST STRAP IF DESIRED. FOR MASONRY OR CONCRETE FOUNDATION USE BRICKMOR POST BASE.

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 N.C. LICENSE NO. C011

120 MPH - 130 MPH ULTIMATE DESIGN WIND SPEED
 STANDARD STRUCTURAL NOTES



DATE: NOVEMBER 14, 2018
 SCALE: 1/4" = 1'-0"
 DRAWN BY: BJS
 CHECKED BY: BJS

SO
 STRUCTURAL NOTES