

ENGAGE H&H HOMES - GARAGE RIGHT

PLAN REVISIONS

- 11-08-17 COMPLETED CONSTRUCTION DOCUMENTS INCLUDING CLIENT REVIEW COMMENTS.
- 11-16-17 MIRRORED PLANS TO CREATE LEFT HAND GARAGE VERSION.
- 09-12-19 STANDARD CLIENT CHANGES PER CLIENT WALK-THRU NOTES DATED 08-30-19. CHANGES INCLUDE BUT NOT LIMITED TO THE FOLLOWING: REMOVE OPT. LAUNDRY TUB, REMOVE KITCHEN ISLAND W/NEEDWALLS, ADD PLUMBING DRIP UNDER CANNET, REVISE ALL SECONDARY CLOSETS AND LINENS TO HAVE 8-FOLD DOORS, REMOVE WOODEN GRIDS AT SIZES AND REAR ELEVATIONS, REMOVE BATH DROPS TO BE 1' PORCH IN KITCHEN AND 1' V. IN OWNERS SLATE AND GATHERING ROOM ONLY, REMOVE COVERED PORCH OPT/NO, REMOVE KITCHEN LIGHTING TO BE 4-BULB FLUORESCENT LIGHT.
- PLAN SPECIFIC CHANGES INCLUDE BUT NOT LIMITED TO THE FOLLOWING: CENTERED WINDOW AT GATHERING ROOM IN KITCHEN HALLWAY, REMOVE OPT. DOOR AT LAUNDRY, REMOVE OPT. WINDOW AT POWER BATH AND BEDROOM 3, MAKE OPT. WINDOW AT LOFT STANDARD AND MAKE 2ND FLOOR HALL CLOSET 2-6 DOOR.
- 02-15-19 COMPLETED CLIENT COMMENTS.

SQUARE FOOTAGE		
AREA	ELEV 'A'	ELEV 'C'
1ST FLOOR	777 SQ. FT.	777 SQ. FT.
2ND FLOOR	978 SQ. FT.	976 SQ. FT.
TOTAL (HEATING)	1755 SQ. FT.	1753 SQ. FT.
GARAGE (UNHEATED)	259 SQ. FT.	259 SQ. FT.
PORCH	36 SQ. FT.	36 SQ. FT.
PATIO	88 SQ. FT.	88 SQ. FT.
OPTIONAL GARAGE	240 SQ. FT.	240 SQ. FT.
OPTIONAL PATIO	88 SQ. FT.	88 SQ. FT.

ISSUANCE OF PLANS FROM THIS DRAWING OFFICE SHALL NOT RELIEVE THE OWNER OF RESPONSIBILITY TO REVIEW AND VERIFY ALL NOTES, DIMENSIONS, AND ADHERENCE TO APPLICABLE BUILDING CODES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.
 ANY DISCREPANCY OF THESE NOTES, DIMENSIONS OR ADHERENCE TO APPLICABLE BUILDING CODES SHALL BE BRINGS TO THE ATTENTION OF THE ARCHITECT BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION.
 ANY CHANGES OR OMISSIONS NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE MADE AFTER THE FINAL PLANS HAVE BEEN COMPLETED SHALL BE SUBJECT TO ADDITIONAL FEES.
 IF ANY MODIFICATIONS ARE MADE TO THESE PLANS BY ANY OTHER PARTY OTHER THAN THE DRAWING OFFICE, THE DRAWER SHALL NOT BE HELD RESPONSIBLE.

Inventory Marked

WDS000401



JOB NUMBER	0-1432074
SUB FILE NAME	1755-9
ISSUED	11-08-17
REVISED	11-16-17
	09-12-19
	02-15-19



ENGAGE
H&H HOMES

1755

DATE
REVISION LOG

SHEET
CS



REV	DESCRIPTION	DATE
01	ISSUE	11-08-17
02	REVISION	11-08-17
03	REVISION	02-12-18



DO NOT SCALE DRAWING
 DIMENSIONS SHOWN
 UNLESS OTHERWISE NOTED
 DIMENSIONS IN PARENT PARENTHESIS
 INDICATE TYPICAL DIMENSIONS
 DIMENSIONS IN BRACKETED PARENTHESIS
 INDICATE ALTERNATE DIMENSIONS
 DIMENSIONS IN DASHED PARENTHESIS
 INDICATE DIMENSIONS TO BE VERIFIED
 DIMENSIONS IN SOLID PARENTHESIS
 INDICATE DIMENSIONS TO BE VERIFIED
 DIMENSIONS IN SOLID PARENTHESIS
 INDICATE DIMENSIONS TO BE VERIFIED

DRAWINGS ON 11"x17"
 SHEET ARE ONE HALF
 THE SCALE NOTED

ENGAGE
 H&H HOMES

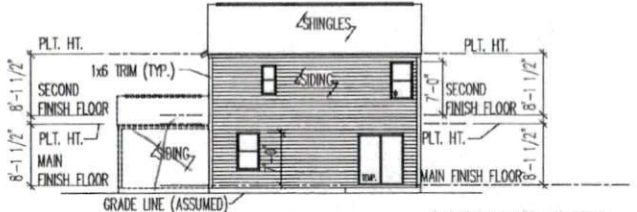
1755

FILE
 FRONT ELEVATION
 REAR ELEVATION
 RIGHT ELEVATION
 LEFT ELEVATION
 ROOF PLAN
 BUILDING SECTION

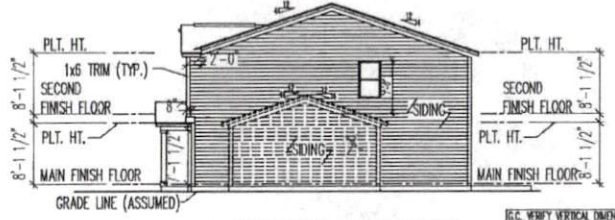
SHEET
A3.0

Inventory Marked

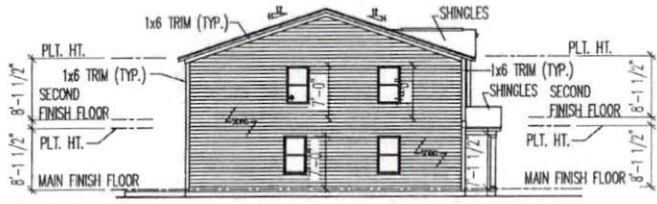
WDS000401



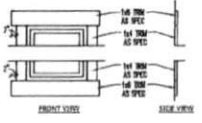
REAR ELEVATION
 SCALE 1/8" = 1'-0"



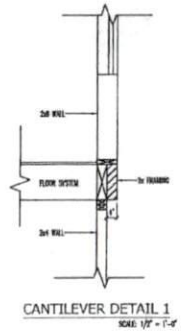
RIGHT ELEVATION
 SCALE 1/8" = 1'-0"



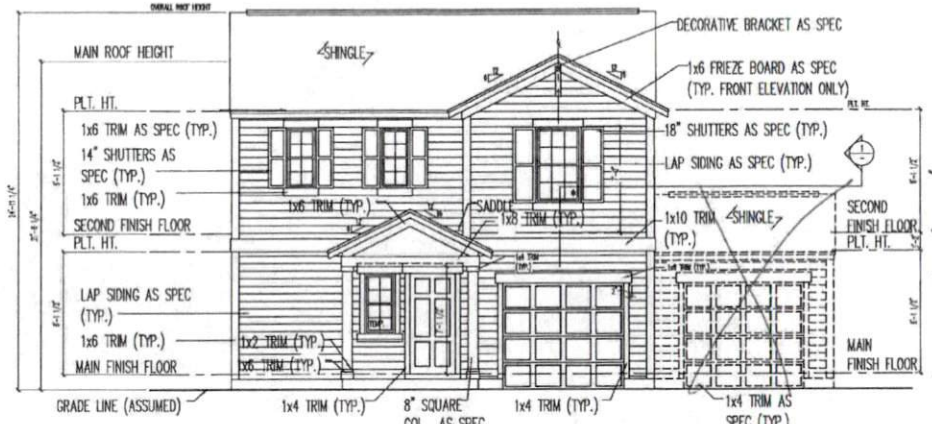
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 SCALE 1/8" = 1'-0"



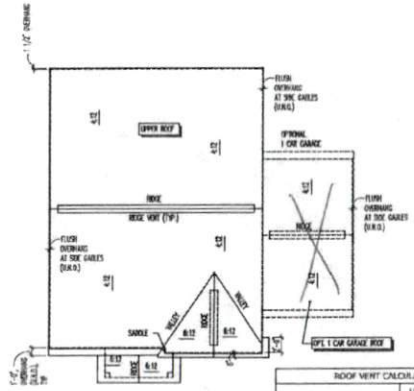
TRIM DETAIL
 SCALE NTS



CANTILEVER DETAIL 1
 SCALE 1/8" = 1'-0"

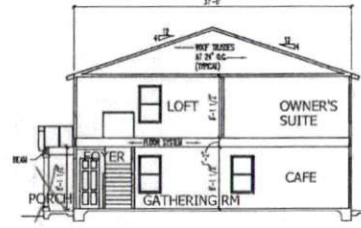


FRONT ELEVATION
 SCALE 1/8" = 1'-0"



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

ROOF VENT CALCULATIONS	
UPPER ROOF	OPT. 1 CAR GARAGE
1,840 SQ. FT.	340 SQ. FT.
ATIC AREA	
NEE FREE VENT AREA NEEDED (MINIMUM)	340 SQ. FT.
NEE FREE VENT AREA PROVIDED	340 SQ. FT.
NEE FREE VENT AREA REQUIRED NEAR RIDGE	250 SQ. FT.
NEE FREE VENT AREA PROVIDED NEAR RIDGE	250 SQ. FT.
NEE FREE VENT AREA REQUIRED NEAR GABLES	50 SQ. FT.
NEE FREE VENT AREA PROVIDED NEAR GABLES	50 SQ. FT.

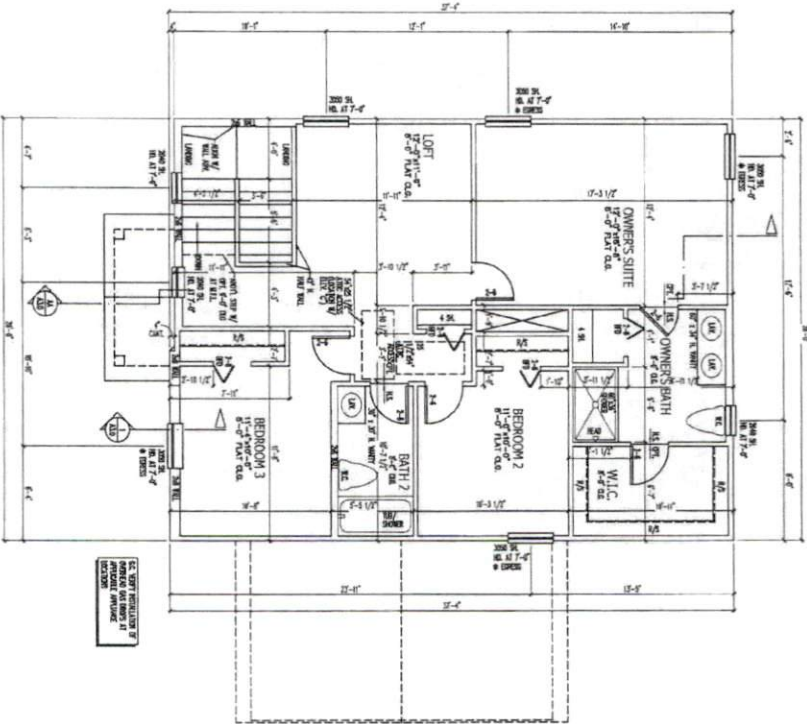
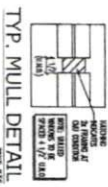
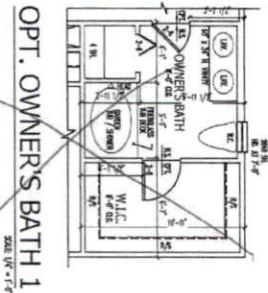
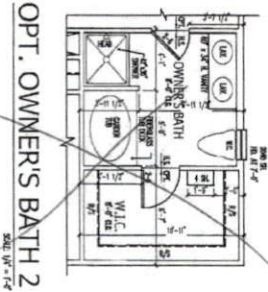
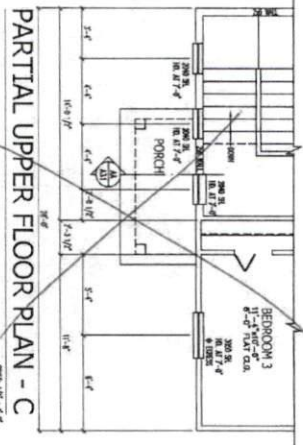


SECTION AA
 SCALE 1/8" = 1'-0"

CHANGE OF PLANS FROM THE ARCHITECT'S OFFICE SHALL NOT RELIEVE THE OWNER OF RESPONSIBILITY TO REVIEW AND VERIFY ALL DIMENSIONS AND ADHERENCE TO APPROVABLE BUILDING CODES FROM THE COMMENCEMENT OF ANY CONSTRUCTION. ANY DEVIATION FROM THE ARCHITECT'S OFFICE SHALL BE SUBJECT TO APPROVABLE BUILDING CODES SHALL BE SUBJECT TO THE ATTENTION OF THE ARCHITECT'S OFFICE FOR CORRECTION BEFORE COMMENCEMENT OF ANY CONSTRUCTION. ANY REVISIONS OR CHANGES NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE MADE AFTER THE FINAL PLANS HAVE BEEN COMPLETED SHALL BE SUBJECT TO APPROVABLE BUILDING CODES. IF ANY DISCREPANCIES ARE MADE TO THESE PLANS BY ANY OTHER PARTY OTHER THAN THE ARCHITECT'S OFFICE, THE ARCHITECT SHALL NOT BE HELD RESPONSIBLE.

ELEVATIONS, ROOF PLAN,
 & SECTION - TRADITIONAL 'A'

REVISIONS TO THIS PLAN SHALL BE SUBJECT TO THE DESIGNER'S REVIEW AND APPROVAL. ANY CHANGES TO THIS PLAN SHALL BE SUBJECT TO THE DESIGNER'S REVIEW AND APPROVAL. ANY CHANGES TO THIS PLAN SHALL BE SUBJECT TO THE DESIGNER'S REVIEW AND APPROVAL.



UPPER FLOOR PLAN

A2.1

1755

ENGAGE
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DUNN-EDWARDS
 PAINTS & COATINGS
 COLOR MATCHING
 WALL COLOR CONSULTING
 INTERIOR PAINTING
 EXTERIOR PAINTING
 STAIN PROTECTION
 WINDOW FILMS
 LIGHT FIXTURES
 ACCESSORIES
 CONTACT US TODAY AT
 800-955-5734
 WWW.DUNNEDWARDS.COM

NO. 1000	DATE: 11-14-17
NO. 1001	DATE: 11-14-17
NO. 1002	DATE: 11-14-17
NO. 1003	DATE: 11-14-17
NO. 1004	DATE: 11-14-17
NO. 1005	DATE: 11-14-17
NO. 1006	DATE: 11-14-17
NO. 1007	DATE: 11-14-17
NO. 1008	DATE: 11-14-17
NO. 1009	DATE: 11-14-17
NO. 1010	DATE: 11-14-17





JOB NUMBER	0-100000
DATE FILED	11-20-11
ISSUED	11-20-11
REVISED	11-20-11
DATE	11-20-11



ALL INFORMATION MUST BE KEPT CONFIDENTIAL. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

ENGAGE
H&H HOMES

1755

UPPER FLOOR ELEC. PLAN
OWNER'S BATH OPTIONS

SHEET
E2

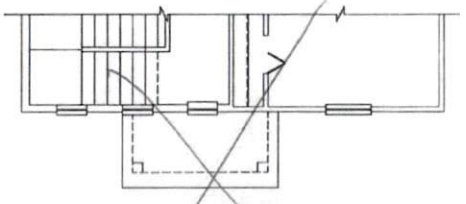
ELECTRICAL KEY

- 100- DUPLEX CONVENTIONAL OUTLET
- 101- DUPLEX WALL MOUNT OUTLET
- 102- W/BACKFLOW PREVENTER DUPLEX OUTLET
- 103- GROUND FAULT INTERRUPTER DUPLEX OUTLET
- 104- HALF-CIRCLED DUPLEX OUTLET
- 105- SPECIAL PURPOSE OUTLET
- 106- DUPLEX OUTLET IN FLOOR
- 107- 200 VOLT OUTLET
- 108- WIRE ENTRY
- 109- THREE-WAY SWITCH
- 110- FOUR-WAY SWITCH
- 111- DIMMER SWITCH
- 112- CIRCUS MOUNTED RECESSED/RECESSED LIGHT FIXTURE
- 113- WALL MOUNTED RECESSED/RECESSED LIGHT FIXTURE
- 114- RECESSED RECESSED/RECESSED LIGHT FIXTURE
- 115- LIGHT FIXTURE WITH PAI. CHAIN
- 116- TRACK LIGHT
- 117- PENDANT/STAINLESS LIGHT FIXTURE
- 118- DIMMER SW. (LIGHT CONTROL)
- 119- ELECTRIC BELL (OVERHEAD EXTERIOR)
- 120- CIRCUS EXTERIOR
- 121- POPUP/STAINLESS SW (EXTERIOR)
- 122- CIRCUS EXTERIOR SWITCH
- 123- DIMMER SWITCH
- 124- CIRCUS / CIRCUS W/DO. CIRCUS SWITCH
- 125- TELEPHONE EXTERIOR
- 126- TELEPHONE EXTERIOR
- 127- REFRIGERATOR
- 128- ELECTRIC MOTOR
- 129- ELECTRIC PANEL
- 130- DIMMER SWITCH
- 131- DIMMER (EXTERIOR)
- 132- WIRE-IN FOR THE CEILING FAN
- 133- WIRE-IN FOR THE CEILING FAN
- 134- WIRE-IN FOR THE CEILING FAN
- 135- WIRE-IN FOR THE CEILING FAN

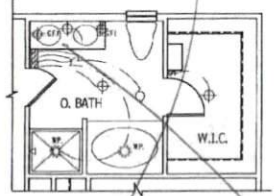
NOTES:

1. PROVIDE AND INSTALL DOUBLE GROUND-INTERMEDIATE (GFI) AS INDICATED ON PLANS OR AS PER 4 AND 5 BELOW.
2. UNLESS OTHERWISE INDICATED, INSTALL SWITCHES AND RECEPTACLES AT THE FOLLOWING HEIGHTS ABOVE FINISHED FLOOR:
SWITCHES ... 4'-0"
OUTLETS ... 1'-0"
TELEPHONE ... 4'-0" (EXCEPT ANY OTHERWISE)
TELEPHONE ... 4'-0"
3. ALL DIMMER OVERCURRENT SHALL BE UNDERCUT BY AN ELECTRICAL POWER SOURCE AND SHALL BE EQUIPPED WITH A BURNING SAFETY SWITCH. PROVIDE AND INSTALL LOCALLY CONTROLLED SAFETY SWITCHES.
4. ALL 10A AND 20A RECEPTACLES IN SLEEPING ROOMS, STUDY ROOMS, DINING ROOMS, LIVING ROOMS, PARLOR, LOBBIES, HALLS, CORRIDORS, HALLWAYS, BATHS, KITCHENS, BREAKFAST ROOMS, CLOSET, HALLWAYS, AND OTHER AREAS SHALL BE INSTALLED IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES.
5. ALL 10A AND 20A RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROOMS SHALL BE GFCI PROTECTED (EFC).
6. IT IS THE RESPONSIBILITY OF THE LESSEE (CUSTOMER) TO ENSURE THAT ALL ELECTRICAL WORK IS IN FULL COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES.
7. EVERY BUILDING HAVING A HEAVY-DUTY HEATING HEATER OR AIR-CONDITIONING, FURNACE, OR AN ATTACHED GARAGE SHALL HAVE AN OPERATIONAL CARBON MONOXIDE DETECTOR INSTALLED WITHIN 10 FEET OF EACH ROOM USED FOR SLEEPING PURPOSES.
8. ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BATTERY WITHIN EACH ROOM IS SERVED FROM THE LOCAL POWER UTILITY. SUCH ALARMS SHALL HAVE BATTERY BACKUP. COMMERCIAL SMOKE/ALARM MONITORING ALARMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES.

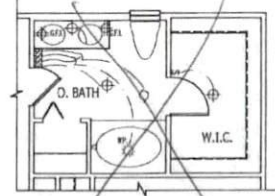
ISSUANCE OF PLANS FROM THIS CONTRACTOR'S OFFICE SHALL NOT RELIEVE THE DESIGNER OF RESPONSIBILITY TO REVIEW AND VERIFY ALL CODES, ORDINANCES, AND APPLICABLE REGULATIONS BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION. ANY DISCREPANCY BETWEEN THE PLANS AND THE ACTUAL CONDITIONS OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE COMPLETION OF ALL CONSTRUCTION IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES. ANY REVISIONS TO THE PLANS SHALL BE MADE BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE COMPLETION OF ALL CONSTRUCTION IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES.



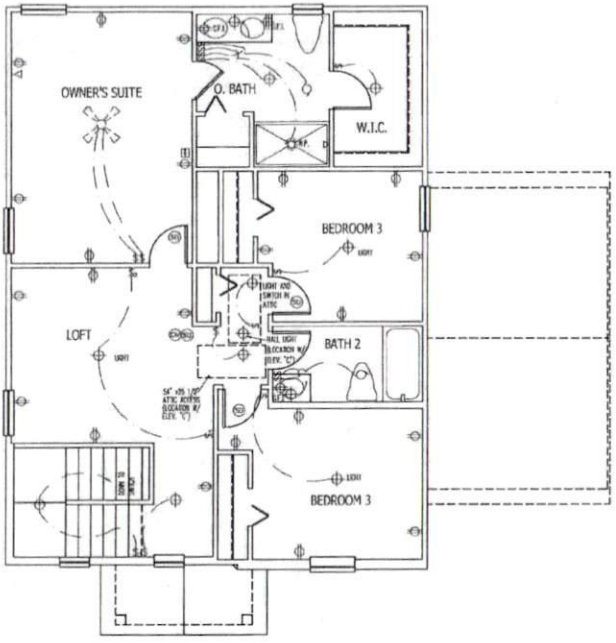
PARTIAL UPPER FLOOR PLAN - C



OPT. OWNER'S BATH 2



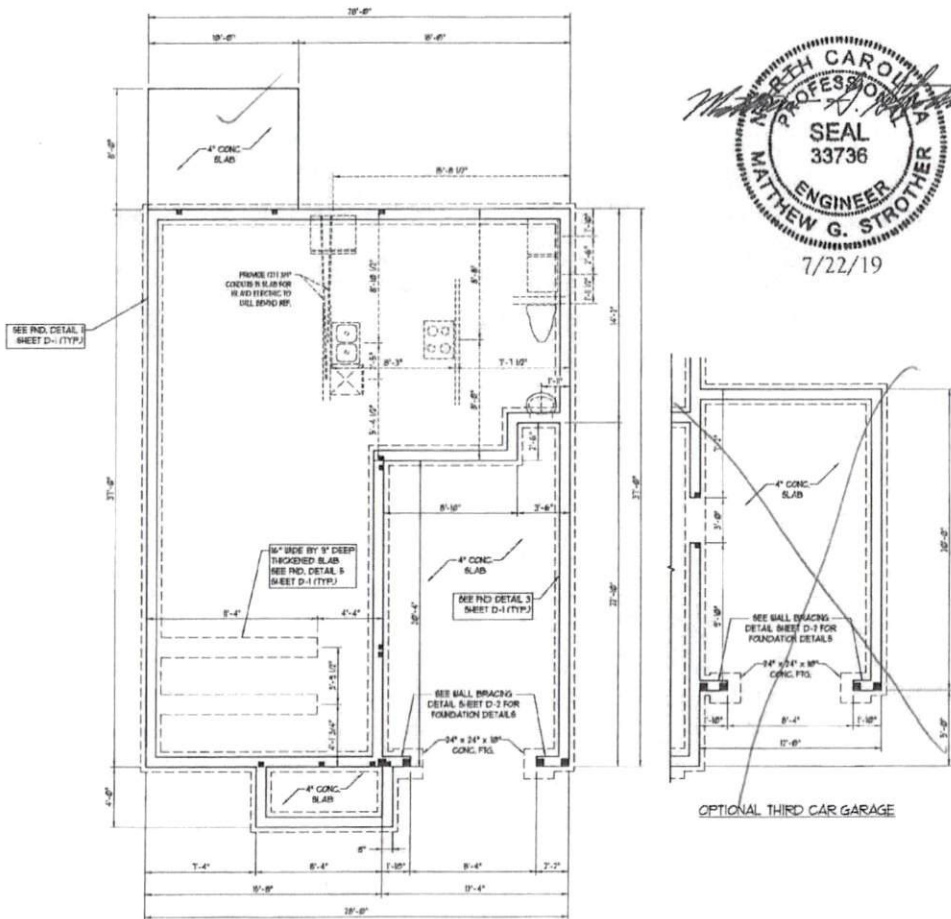
OPT. OWNER'S BATH 1



UPPER FLOOR PLAN - A

UPPER FLOOR ELECTRICAL PLAN

SCALE NOTE:
LARGE FORMAT PRINTS ARE TO SCALE AS NOTED.
11" x 17" PRINTS ARE ONE HALF THE NOTED SCALE.



SEAL
33736
ENGINEER
MATTHEW G. STROTHER
7/22/19

DISP. FINAL ULTIMATE DESIGN (RND. SCHED.)
NOTES FOR LESS THAN
30" PEAK ROOF LEIGHT:

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL. CONTRACTOR'S ENGINEER'S SEAL DOES NOT CONFIRM DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM.
- STRUCTURAL DESIGN PER NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
- FOUNDATION DESIGN PER CHAPTER 10 CHAPTER 10 FOUNDATION DESIGN PER 2018 IBC/IRC.
- FOUNDATION DESIGN TO COMPLY WITH SECTION 1804 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
- PEAK ROOF LEIGHT IS LESS THAN 30 FEET. WALL CLADDING DESIGNED FOR 40 PSF AND 10 PSF (A) VECTORS POSITIVE / NEGATIVE PRESSURE (TYP).
- WALL CLADDING DESIGNED FOR 40 PSF AND 10 PSF FOR ROOF PITCHES 10 TO 20:12 AND 40 PSF AND 10 PSF FOR ROOF PITCHES 2:12 TO 10:12.
- 10" MIN. INSULATION IS REQUIRED ON ALL EXTERIOR WALLS.
- WALLS TO BE DESIGNED IN ACCORDANCE WITH SECTION 1804.2 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION AND AS NOTED ON PL. JAMB.
- ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 8 OF THE NCRC, 2018 EDITION.

DISP. FINAL ULTIMATE DESIGN (RND. SCHED.)
NOTES FOR LESS THAN
30" PEAK ROOF LEIGHT:

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL. CONTRACTOR'S ENGINEER'S SEAL DOES NOT CONFIRM DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM.
- STRUCTURAL DESIGN PER NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
- FOUNDATION DESIGN PER CHAPTER 10 CHAPTER 10 FOUNDATION DESIGN PER 2018 IBC/IRC.
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- WALL CLADDING DESIGNED FOR 40 PSF AND 10 PSF FOR ROOF PITCHES 10 TO 20:12 AND 40 PSF AND 10 PSF FOR ROOF PITCHES 2:12 TO 10:12.
- 10" MIN. INSULATION IS REQUIRED ON ALL EXTERIOR WALLS OF ALL STORIES IN ACCORDANCE WITH SECTION 1804.2 OF THE NCRC, 2018 EDITION. SEE THE WALL BRACKETS AND DETAILS SHEET FOR MORE INFORMATION.
- ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 8 OF THE NCRC, 2018 EDITION.
- REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL FOUNDATION.

J.S. THOMPSON
ENGINEERING, INC.
REGISTERED PROFESSIONAL ENGINEER
NO. 10000
P.L. 10000
N.C. LICENSE NO. 10000

ENGAGE - GARAGE RIGHT
H & H HOMES

DATE PLOTTED: 10/27/19
SCALE: 1/4" = 1'-0"
DRAWN BY: JAMES WILSON/PLM/001
PROJECT NO: 19-000

SHEET 3 OF 8
S-1c
STEMWALL SLAB
FOUNDATION PLAN



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

SCALE NOTE:
LARGE PRINT PRINTS ARE TO SCALE AS NOTED.
11" x 17" PRINTS ARE ONE HALF THE NOTED SCALE.

TABLE 1001-1
MINIMUM NUMBER OF RILL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (FEET)	MINIMUM RILL SPACING (INCHES)	MINIMUM NUMBER OF STUDS
UP TO 3'	6"	2
4'	4"	3
5'	3"	4
6'	2"	5
8'	1"	7

- BRACED WALL DESIGN NOTES:**
- BRACED WALL DESIGN PER SECTION AND PER THE HIRC 2018 CODE.
 - CS-80P REFERS TO "CONTINUOUS SHEATHING - GOOD STRUCTURAL PANELS" CONTRACTOR IS TO INSTALL 1/2" OSB ON ALL EXTERIOR WALLS ATTACHED TO RAFTERS SPACED 4" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.
 - OSB REFERS TO "OSB BOARD" CONTRACTOR IS TO INSTALL 1/2" OSB ON ALL EXTERIOR WALLS ATTACHED TO RAFTERS SPACED 4" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD INCLUDING TOP AND BOTTOM PLATES.
 - BRACED WALL DESIGN APPLIED IN WIND ZONES UP TO 120 MPH. FOR HIGHER WIND ZONES, BRACED WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 6B OF THE HIRC 2018 CODE.
 - SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL INFORMATION.

BRACED WALL DESIGN

RECTANGLE A		RECTANGLE B	
SIDE M	SIDE D	SIDE B	SIDE E
METHOD: CS-80P/PP	METHOD: CS-80P/PP	METHOD: CS-80P/PP	METHOD: CS-80P/PP
TOTAL REQUIRED LENGTH: 141'	TOTAL REQUIRED LENGTH: 138'	TOTAL REQUIRED LENGTH: 138'	TOTAL REQUIRED LENGTH: 138'
TOTAL PROVIDED LENGTH: 141'	TOTAL PROVIDED LENGTH: 138'	TOTAL PROVIDED LENGTH: 138'	TOTAL PROVIDED LENGTH: 138'
SIDE JA	SIDE JA	SIDE JA	SIDE JA
METHOD: CS-80P	METHOD: CS-80P	METHOD: CS-80P	METHOD: CS-80P
TOTAL REQUIRED LENGTH: 141'	TOTAL REQUIRED LENGTH: 138'	TOTAL REQUIRED LENGTH: 138'	TOTAL REQUIRED LENGTH: 138'
TOTAL PROVIDED LENGTH: 141'	TOTAL PROVIDED LENGTH: 138'	TOTAL PROVIDED LENGTH: 138'	TOTAL PROVIDED LENGTH: 138'
SIDE KA	SIDE KA	SIDE KA	SIDE KA
METHOD: CS-80P	METHOD: CS-80P	METHOD: CS-80P	METHOD: CS-80P
TOTAL REQUIRED LENGTH: 137'	TOTAL REQUIRED LENGTH: 136'	TOTAL REQUIRED LENGTH: 136'	TOTAL REQUIRED LENGTH: 136'
TOTAL PROVIDED LENGTH: 137'	TOTAL PROVIDED LENGTH: 136'	TOTAL PROVIDED LENGTH: 136'	TOTAL PROVIDED LENGTH: 136'
SIDE LA	SIDE LA	SIDE LA	SIDE LA
METHOD: CS-80P	METHOD: CS-80P	METHOD: CS-80P	METHOD: CS-80P
TOTAL REQUIRED LENGTH: 137'	TOTAL REQUIRED LENGTH: 136'	TOTAL REQUIRED LENGTH: 136'	TOTAL REQUIRED LENGTH: 136'
TOTAL PROVIDED LENGTH: 137'	TOTAL PROVIDED LENGTH: 136'	TOTAL PROVIDED LENGTH: 136'	TOTAL PROVIDED LENGTH: 136'

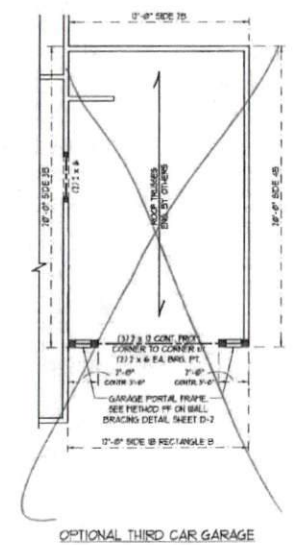
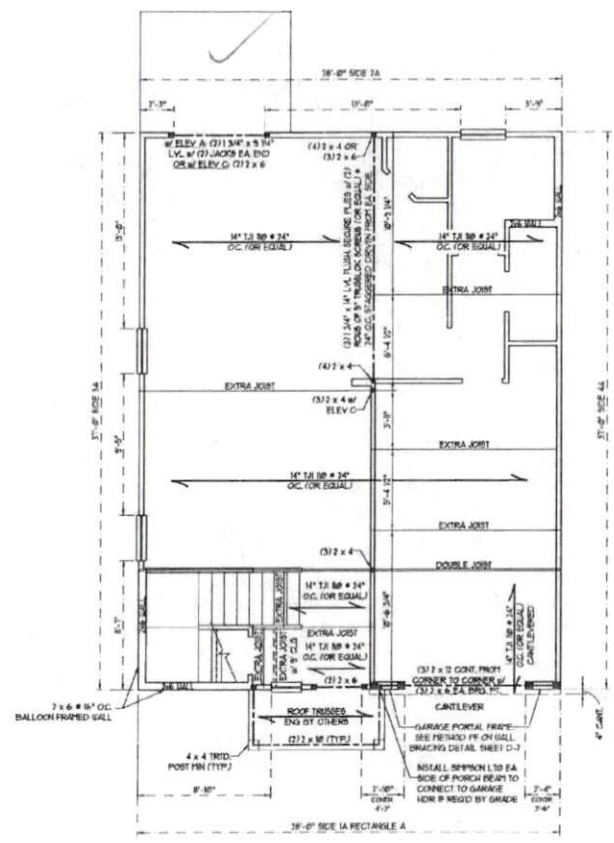
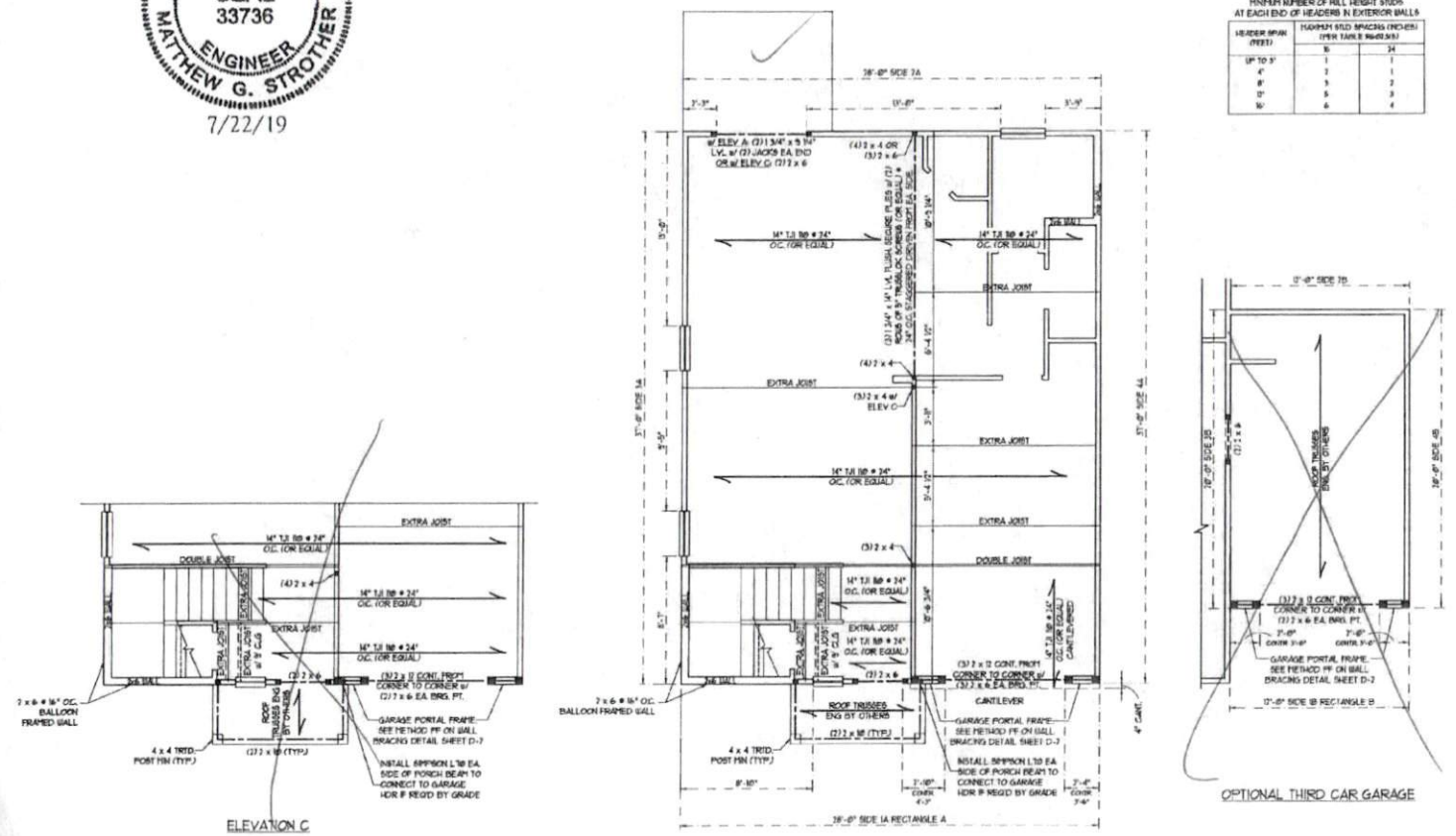
- STRUCTURAL NOTES:**
- ALL FRAMING LUMBER TO BE SFF #2 (UNO). ALL TREATED LUMBER TO BE SFF #2 (UNO).
 - ALL LOAD BEARING HEADERS TO BE (2) 2 x 6 (UNO).
 - INSTALL AN EXTRA JOIST UNDER WALLS PARALLEL TO FLOOR JOISTS AS NOTED ON THE PLANS.
 - WINDOW AND DOOR HEADERS TO BE SUPPORTED BY (2) 2 x 6 SFF AND (2) 2 x 6 SFF END JOIST (SEE TABLE 1001-1 FOR ADDITIONAL KING STUD REQUIREMENTS).
 - SQUARE EDGE POINT LOADS EACH REQUIRE SOLID BLOCKING TO GROUND OR FOUNDATION. ALL SQUARES TO BE (2) 2 x 6 (UNO).
 - FOR HIGH WIND ZONES, ALL EXTERIOR WALLS TO BE SHEATHED WITH 1/2" OSB SHEATHING WITH JOINTS BLOCKED AND REQUIRED WITH 8d NAILS AT 3" O.C. ALONG EDGES AND 4" O.C. IN THE FIELD.
 - FOR HIGH WIND ZONES, REQUIRE ALL EXTERIOR WALL SHEATHING PANELS TO DOUBLE TOP PLATED BANDS, JOISTS, AND GIRDERS WITH (2) RIPS OF 8d NAILS SPACED AT 3" O.C. PANELS SHALL EXTEND BEYOND CONSTRUCTION JOINTS AND SHALL OVERLAP GIRDERS AND DOUBLE WALL PLATES THEIR FULL DEPTH.
 - ALL 4 x 4 POSTS SHALL BE ANCHORED TO SLABS W/ SPPRIM ANCHOR POST BASES (OR EQUAL) AND 6 x 8 POSTS w/ ANCHOR POST BASES (OR EQUAL) (UNO). ALL 4 x 4 AND 6 x 8 POSTS TO BE INSTALLED WITH MIN 1 LB CAPACITY W/ST CONNECTIONS AT TOP (UNO).
 - FOR FRAMING LUMBER, ALUMINUM, OR COLUMN ENG BY OTHERS, SECURE TO SLAB W/ (2) 1/2" ANCHOR BOLTS, 2" CONC. SCREWS, FASTEN ANGLES TO COLUMNS W/ 1/4" THROUGH BOLTS w/ NUTS AND WASHERS. LOCATE ANGLES ON OPPOSITE SIDES OF COLUMN. THROUGH BOLTS MUST BE INSTALLED PRIOR TO SETTING COLUMN.
 - REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

J.S. THOMPSON ENGINEERING, INC.
REGISTERED PROFESSIONAL ENGINEER
LICENSE NO. 33736
N.C. LICENSE #C-11115

ENGAGE - GARAGE RIGHT
H & H HOMES

DATE: 03.11.2019
SCALE: 1/4" = 1'-0"
PROJECT: 19-0000-0000-0000
DRAWING NO: 19-0000-0000

SHEET 4 OF 8
S-2
SECOND FLOOR FRAMING PLAN



SCALE NOTE:
LARGE FORMAT PRINTS ARE TO SCALE AS NOTED
1" x 11" PRINTS ARE ONE HALF THE NOTED SCALE

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

BRACED WALL DESIGN NOTES:

1. BRACED WALL DESIGN PER SECTION R402.10 OF THE IRC 2018 EDITION.
2. CS-SFP REFERS TO "CONTINUOUS SHEATHING - EXTERIOR STRUCTURAL PANELS" CONTRACTOR IS TO INSTALL 1/2" OSB ON ALL EXTERIOR WALLS ATTACHED W/ 8d NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.
3. OSB REFERS TO "OSB/PSI BOARD" CONTRACTOR IS TO INSTALL 1/2" (5/8") OSB/PSI BOARD AS NOTED ON THE PLANS. FASTEN OSB WITH 1 1/2" SCREWS OR 1 1/4" NAILS SPACED 7" O.C. ALONG PANEL EDGES AND IN THE FIELD INCLUDING TOP AND BOTTOM PLATES.
4. BRACED WALL DESIGN APPLIED IN WIND ZONE UP TO DM PM1. FOR HIGH WIND ZONES, BRACE WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 6 OF THE IRC 2018 EDITION. SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL INFORMATION.

NOTE:

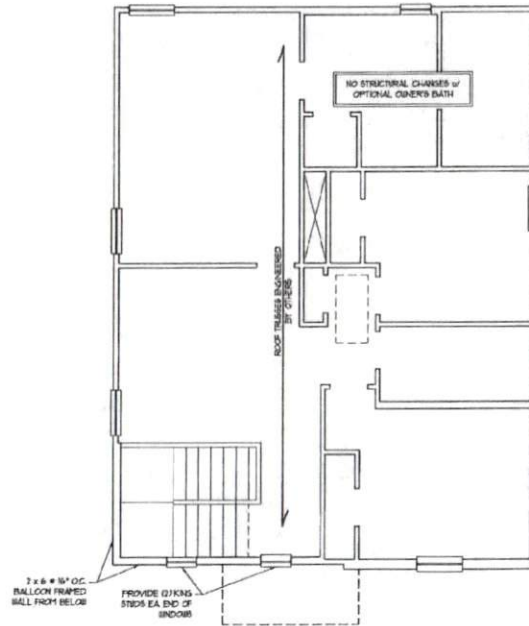
1. PER SECTION R602.10.3 OF THE IRC 2018 EDITION, THE SPACING OF BRACING ON THE SECOND FLOOR EXCEEDS THE AMOUNT REQUIRED FOR THE FIRST FLOOR AND NO BRACED WALL ANALYSIS IS REQUIRED.
2. SHEATH ALL EXTERIOR WALLS WITH 1/2" OSB SHEATHING ATTACHED WITH 8d NAILS AT 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.

STRUCTURAL NOTES:

1. ALL FRAMING LUMBER TO BE DRY #1 (UNO).
 2. ALL TREATED LUMBER TO BE SYP #1 (UNO).
 3. ALL LOAD BEARING HEADERS TO BE (12) 2 x 6 (UNO).
 4. BRACE AND DOOR HEADERS TO BE SUPPORTED W/ (1) JACK STUD AND (1) KING STUD EA. END (UNO). SEE "ABLE R402.8" FOR ADDITIONAL KING STUD REQUIREMENTS.
 5. SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKS TO GROUND OR FOUNDATION. ALL SQUARES TO BE (1) STUD (UNO).
 6. FOR HIGH WIND ZONES, ALL EXTERIOR WALLS TO BE SHEATHED WITH 1/2" OSB SHEATHING WITH JOINTS BLOCKED AND SECURED WITH 8d NAILS AT 3" O.C. ALONG EDGES AND 6" O.C. IN THE FIELD.
 7. FOR HIGH WIND ZONES, SECURE ALL EXTERIOR WALL SHEATHING PANELS TO DOUBLE TOP PLATES, BANDS, JOISTS, AND GIRDERS WITH (2) ROWS OF 8d NAILS STAGGERED AT 3" O.C. PANELS SHALL EXTEND 1" BEYOND CONSTRUCTION JOINTS AND SHALL OVERLAP GIRDERS AND DOUBLE END PLATES THEIR FULL DEPTH.
- REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

TABLE R602.8
MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (FEET)	MINIMUM BRID SPACING (INCHES) (PER TABLE R602.8)	1	2
UP TO 3'	2	1	1
4'	3	1	2
5'	3	2	2
6'	3	2	3
7'	3	3	3
8'	3	3	4



ELEVATION A



7/22/19

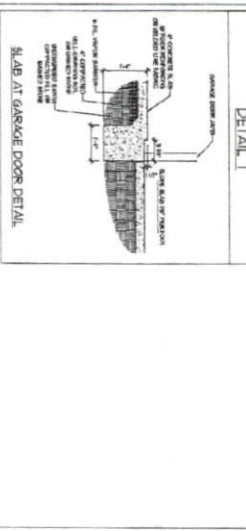
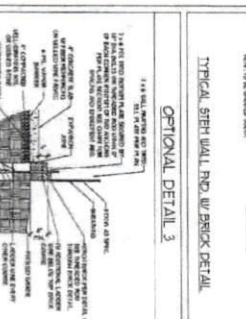
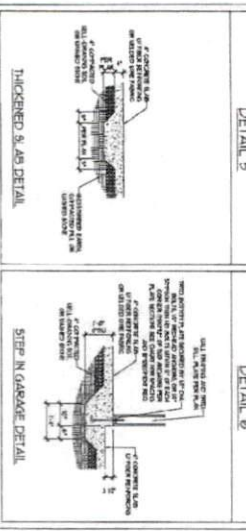
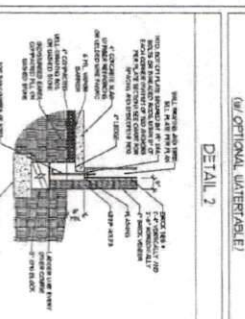
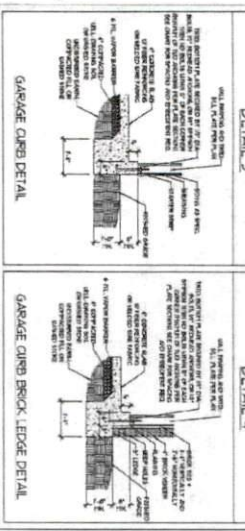
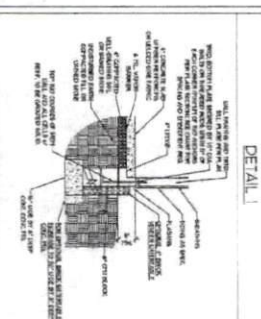
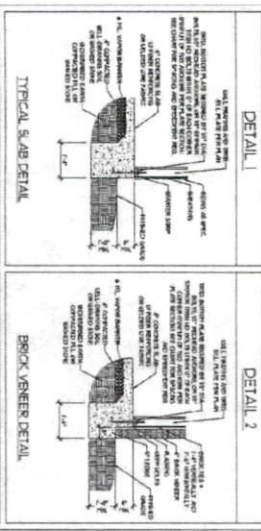
J.S. THOMPSON
ENGINEERING, INC.
1000 CALDWELL BLVD., SUITE 200
RALEIGH, NC 27601
P: 919.876.1111
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N.C. LICENSE NO. E-115

ENGAGE - GARAGE RIGHT
H & H HOMES

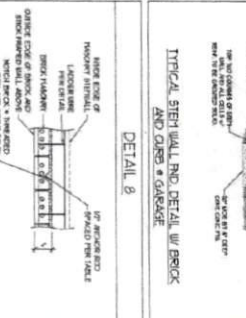
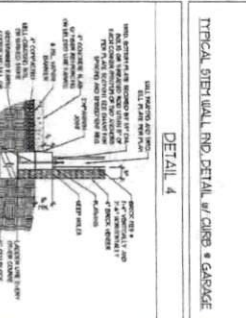
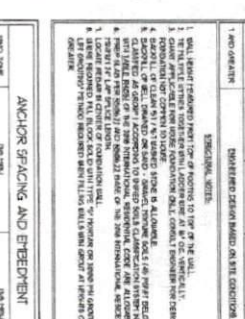
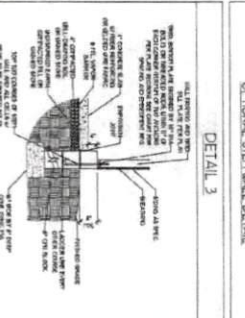
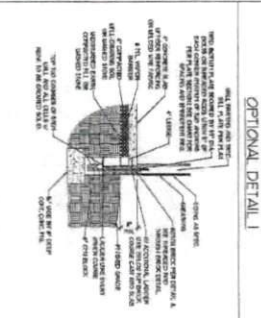
DATE: 7/22/19
DRAWN BY: JST
CHECKED BY: WDF
SCALE: AS SHOWN

REV: 5 of 8
S-3a
CEILING FRAMING
PLAN ELEV. A

MONOLITHIC SLAB DETAILS



STEWALL DETAILS



MASONRY STEWALL SPECIFICATIONS

WALL HEIGHT (FEET)	# OF COURSES	REINFORCEMENT TYPE	REINFORCEMENT TYPE	REINFORCEMENT TYPE	REINFORCEMENT TYPE
1	UNREINFORCED	6" x 6" x 6" x 6"	UNREINFORCED	UNREINFORCED	UNREINFORCED
2	UNREINFORCED	6" x 6" x 6" x 6"	UNREINFORCED	UNREINFORCED	UNREINFORCED
3	UNREINFORCED	6" x 6" x 6" x 6"	UNREINFORCED	UNREINFORCED	UNREINFORCED
4	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"
5	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"
6	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"
7	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"
8	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"
9	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"
10	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"
11	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"
12	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"
13	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"
14	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"
15	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"
16	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"
17	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"
18	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"
19	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"
20	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"	6" x 6" x 6" x 6"

ANCHOR SPACING AND EMBEDMENT

ANCHOR TYPE	SPACING	EMBEDMENT
STEEL	6" x 6" x 6"	6" x 6" x 6"
BRICK	6" x 6" x 6"	6" x 6" x 6"
CONCRETE	6" x 6" x 6"	6" x 6" x 6"



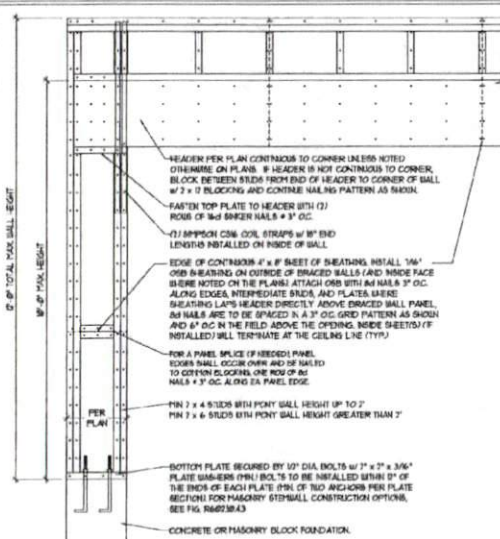
FOUNDATION DETAILS

120 MPH - 130 MPH ULTIMATE DESIGN WIND SPEED FOUNDATION DETAILS

J.S. THOMPSON ENGINEERING, INC.
 80 MADEIRA BLVD. SUITE 104 RALEIGH, NC 27604
 PHONE: 919 789 9191 FAX: 919 789 9921
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GENERAL WALL BRACING NOTES:

1. WALL BRACING DESIGNED IN ACCORDANCE WITH CHAPTER 6 OF THE 2006 IRC RESIDENTIAL BUILDING CODE (RIBC). TABLES AND FIGURES REFERENCED ARE FROM THE 2006 RIBC.
2. SEE THIS SHEET FOR GENERAL DETAILS. REFER TO THE 2006 RIBC FOR ADDITIONAL INFORMATION AS NEEDED.
3. BRACED EXTERIOR WALLS SUPPORTING ROOF TRUSSES AND PARTIAL BLOCKING SHOULD BE ON THE TOP FLOOR, HAVE BEEN DESIGNED PER R602.3(1) WALL BRACING AND FASTENERS HAVE BEEN DESIGNED TO RESIST COMBINED UPLIFT AND SHEAR FORCES IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE.
4. SEE STRUCTURAL SHEETS FOR BRACED WALL LOCATIONS, OPERATIONAL AND DOWN TYPE AND LOCATIONS, BRACED WALL LINE, KEY WITH WALL DESIGN SUPPORT OF REQUIREMENTS PROVIDED FOR EACH WALL LINE AND ANY SPECIAL NOTES OR REQUIREMENTS.
5. ALL EXTERIOR WALLS ARE TO BE SHEATHED WITH CS-10P¹ IN ACCORDANCE WITH SECTION R602.3(3) UNLESS NOTED OTHERWISE.
6. ALL EXTERIOR AND INTERIOR WALLS TO HAVE 1/2" GYPSUM² INSTALLED, WHEN NOT USING METHOD '105', GYPSUM TO BE FASTENED PER TABLE R602.3(5) METHOD 'G5' TO BE FASTENED PER TABLE R602.3(5).
7. CS-10P¹ REFERS TO THE 'CONTINUOUS SHEATHING - WOOD STRUCTURAL PANELS' WALL BRACING METHOD. 1/4" OSB SHEATHING IS TO BE INSTALLED ON ALL EXTERIOR WALLS ATTACHED TO BOND COFFER NAILS OR 6" TO 10" LONG x 2x8³ CHAIR/STEM NAILS BRACED AT O.C. ALONG PANEL EDGES AND 3' O.C. IN THE FIELD (105).
8. G5 REFERS TO THE 'GYPSUM BOARD' WALL BRACING METHOD. 1/2" (MIN) GYPSUM BOARD IS TO BE INSTALLED ON BOTH SIDES OF THE BRACED WALL FASTENED WITH 1 1/4" SCREWS OR 1 3/8" NAILS SPACED 7" O.C. ALONG PANEL EDGES INCLUDING TOP AND BOTTOM PLATES AND INTERMEDIATE SUPPORTS (105). VERIFY ALL FASTENER OPTIONS FOR 1/2" AND 5/8" GYPSUM PRIOR TO CONSTRUCTION. FOR INTERIOR FASTENER OPTIONS SEE TABLE R602.3(5). FOR EXTERIOR FASTENER OPTIONS SEE TABLE R602.3(5) EXTERIOR G5 TO BE INSTALLED VERTICALLY.
9. REQUIRED BRACED WALL LENGTH FOR EACH SIDE OF THE CIRCUMSCRIBED RECTANGLE ARE INTERPOLATED PER TABLE R602.3(3) METHOD 'G5-10P' CONTINUES ITS ACTUAL LENGTH, METHOD 'G5' CONTINUES 3/8" ACTUAL LENGTH AND METHOD 'FF' CONTINUES 15 TIMES ITS ACTUAL LENGTH.

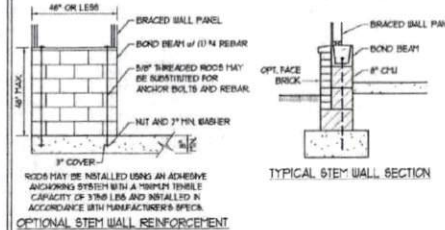
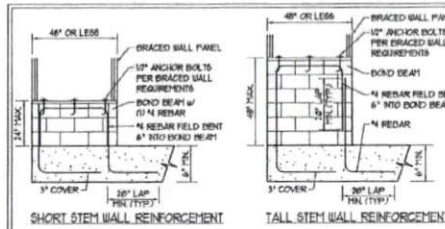


OVER CONCRETE OR MASONRY BLOCK FOUNDATION

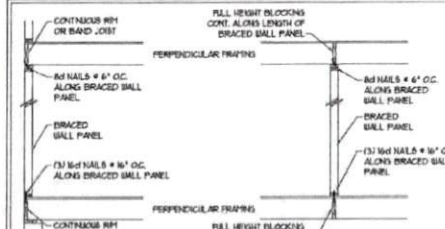


OVER RAISED WOOD FLOOR - FRAMING ANCHOR OPTION
 * APPLICABLE IF GREATER THAN 17\"/>

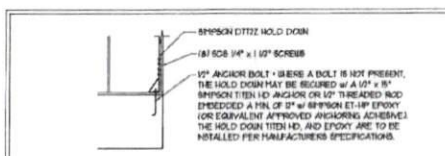
METHOD FF-PORTAL FRAME DETAIL ①



MASONRY STEM WALLS SUPPORTING BRACED WALL PANELS ②
 PER FIGURE R602.10.4.3

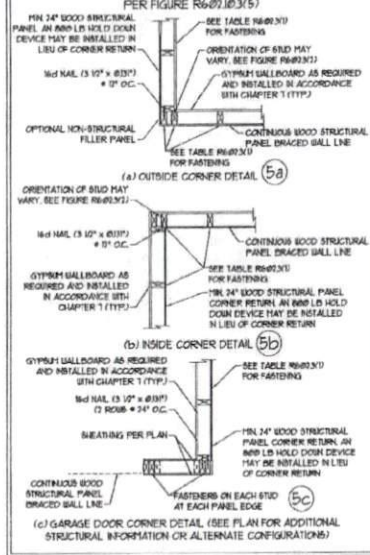


BRACED WALL PANEL CONNECTION WHEN PERPENDICULAR TO FLOOR/CEILING FRAMING ③
 PER FIGURE R602.10.4.4(U)

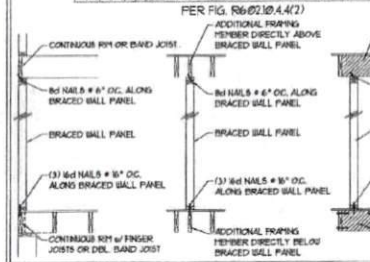


HOLD DOWN DETAIL FOR MASONRY FOUNDATION OR MONOLITHIC SLAB ④
 * APPLICABLE ONLY WHERE SPECIFIED ON PLAN

TYPICAL EXTERIOR CORNER FRAMING FOR CONTINUOUS SHEATHING ⑤

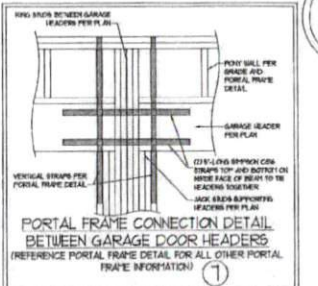


BRACED WALL PANEL CONNECTION WHEN PARALLEL TO FLOOR/CEILING FRAMING ⑥

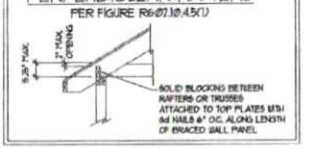


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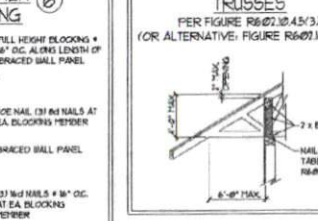
SCALE NOTE:
 LARGE FORMAT PRINTS ARE TO SCALE AS NOTED.
 1/4" x 11" PRINTS ARE ONE HALF THE NOTED SCALE



BRACED WALL PANEL CONNECTION TO PERPENDICULAR RAFTERS ⑧



BRACED WALL PANEL CONNECTION TO PERPENDICULAR ROOF TRUSSES ⑨



DATE ON THIS SET: 09/11/09
 SCALE: 1/4" = 1'-0"
 DRAWN BY: JF
 ENGINEERED BY: JST

SEAL 33736
ENGINEER
MATTHEW G. STROTHER

7/22/19

J.S. THOMPSON ENGINEERING, INC.
 1000 W. HARRIS STREET
 RAYLEIGH, NC 27601
 N.C. LICENSE NO. 05131

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

D-2
 BRACE11 WALL NOTES
 AND DETAILS AND FF
 DETAILS

GENERAL NOTES

1. DRAWERS SHALL VERIFY ALL STRUCTURAL COMPONENTS INCLUDING ROOF BATTENS, HING WALLS, ROOFING, GUTTERS, WALLS, AND FLOORING SHALL BE REVERSED TO MEET THE DESIGN LOADS. ENGINEERS SHALL VERIFY THAT THE DESIGN LOADS ARE APPLIED TO THE CORRECT LOCATION AND THAT THE DESIGN LOADS ARE APPLIED TO THE CORRECT LOCATION AND THAT THE DESIGN LOADS ARE APPLIED TO THE CORRECT LOCATION.
2. ALL CONNECTIONS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE BOOK (NCRS) FOR EXTERIOR WALLS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR ANY WALLS THAT DO NOT HAVE CONTROL OF COMBUSTION. THE STRUCTURAL ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE COMBUSTION WALLS AND SHALL BE RESPONSIBLE FOR THE DESIGN OF THE COMBUSTION WALLS.
3. SPECIAL DESIGN BASED ON THE PROVISIONS OF THE NCRS, 2009 EDITION (BOOK 1500 - 1505) SHALL BE INDICATED ON THE DRAWINGS. THE STRUCTURAL ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE COMBUSTION WALLS AND SHALL BE RESPONSIBLE FOR THE DESIGN OF THE COMBUSTION WALLS.

ITEM	DESCRIPTION	LOAD (PSF)	DEFLECTION (IN)
1	ATTIC UNFINISHED STORAGE	10	1/8"
2	ATTIC FINISHED STORAGE	10	1/8"
3	CEILING	10	1/8"
4	EXTERIOR BALCONIES	40	1/4"
5	FRONT PORCHES	40	1/4"
6	REAR PORCHES	40	1/4"
7	ROOF OVER MAIN SLEEPING PORCH	20	1/8"
8	FRONT PORCHES	40	1/4"
9	REAR PORCHES	40	1/4"
10	CEILING	10	1/8"
11	FRONT PORCHES	40	1/4"
12	REAR PORCHES	40	1/4"
13	CEILING	10	1/8"
14	FRONT PORCHES	40	1/4"
15	REAR PORCHES	40	1/4"
16	CEILING	10	1/8"
17	FRONT PORCHES	40	1/4"
18	REAR PORCHES	40	1/4"
19	CEILING	10	1/8"
20	FRONT PORCHES	40	1/4"
21	REAR PORCHES	40	1/4"
22	CEILING	10	1/8"
23	FRONT PORCHES	40	1/4"
24	REAR PORCHES	40	1/4"
25	CEILING	10	1/8"
26	FRONT PORCHES	40	1/4"
27	REAR PORCHES	40	1/4"
28	CEILING	10	1/8"
29	FRONT PORCHES	40	1/4"
30	REAR PORCHES	40	1/4"

FOOTING AND FOUNDATION NOTES

1. FOUNDATION DESIGN BASED ON A MINIMUM ALLOWABLE BEARING CAPACITY OF 3000 PSF. CONTACT GEOTECHNICAL ENGINEER'S REPORT FOR CAPACITY IS NOT REQUIRED.
2. ALL CONCRETE SHALL BE 4000 PSI AND FOOTINGS SHALL BE 4000 PSI UNLESS OTHERWISE NOTED. ALL CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE NOTED.
3. ALL CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE NOTED. ALL CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE NOTED.
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11. ALL CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE NOTED. ALL CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE NOTED.
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14. ALL CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE NOTED. ALL CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE NOTED.
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This sheet may be used in conjunction with a full set of drawings under N.C. State 580223. The engineer's seal and signature are required on all drawings. The engineer's seal and signature are required on all drawings.

FRAMING NOTES

1. ALL FINISHED FLOORING SHALL BE 5/8" THICK (15/16" MIN. THICK) AND SHALL BE 1/2" MIN. THICK. ALL FINISHED FLOORING SHALL BE 5/8" THICK (15/16" MIN. THICK) AND SHALL BE 1/2" MIN. THICK.
2. LATHING SHALL BE 1/2" X 1/2" X 1/2" UNLESS OTHERWISE NOTED. LATHING SHALL BE 1/2" X 1/2" X 1/2" UNLESS OTHERWISE NOTED.
3. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:
 - A. A36 STEEL
 - B. A572 GRADE 50
 - C. A572 GRADE 50
 - D. A572 GRADE 50
 - E. A572 GRADE 50
4. STEEL BEAMS SHALL BE SPACED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3" AND SHALL HAVE BOTH ENDS PROVIDED WITH BEARING PLATES. ALL BEAMS SHALL BE SPACED TO THE CENTER LINE OF THE BEAM AND SHALL BE SPACED TO THE CENTER LINE OF THE BEAM.
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SCALE NOTE:
LARGE PRINT PRINTS ARE TO SCALE AS NOTED
IF 1/4" PRINTS ARE ONE HALF THE NOTED SCALE

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



7/22/19

STRUCTURAL NOTES