



Approved

11/04/2019BSutton

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 09-30-18. CHANGES INCLUDE BUT NOT LIMITED TO THE FOLLOWING: REMOVE OPT. LAUNDRY TUB, REMOVE KITCHEN ISLAND W/NEEWALLS, ADD PLUMBING DRIP UNDER CANNET, REVISE ALL SECONDARY CLOSETS AND LINENS TO HAVE 8-FOLD DOORS, REMOVE WOODEN GRIDS AT SIDES 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, REVISE 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.	978 SQ. FT.
TOTAL (HEATING)	1755 SQ. FT.	1755 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.

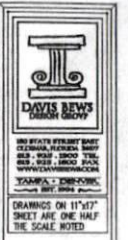
ISSUANCE OF PLANS FROM THIS ARCHITECT'S OFFICE SHALL NOT RELIEVE THE OWNER OF RESPONSIBILITY TO REVIEW AND VERIFY ALL NOTES, DIMENSIONS, AND ADHERENCE TO APPLICABLE BUILDING CODES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.
 ANY DISCREPANCY OF THESE IN NOTES, DIMENSIONS OR ADHERENCE TO APPLICABLE BUILDING CODES SHALL BE BRINGED TO THE ATTENTION OF THE ARCHITECT BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION.
 ANY CHANGES OR DISCREPANCIES 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 ARCHITECT'S OFFICE, THE ARCHITECT SHALL NOT BE HELD RESPONSIBLE.

Inventory Marked

WDS000401



JOB NUMBER	08-18250787
SUB FILE NAME	1755-9
REVISED	11-08-17
REVISED	11-16-17
REVISED	09-12-19
REVISED	02-15-19



ENGAGE
H&H HOMES

1755

DATE
REVISION LOG

SHEET
CS



REV	DESCRIPTION	DATE
1	ISSUE	11-08-17
2	REVISED	11-08-17
3	REVISED	02-12-18



DO NOT SCALE DRAWINGS
 DIMENSIONS SHOWN
 UNLESS OTHERWISE NOTED
 UNLESS OTHERWISE NOTED
 UNLESS OTHERWISE NOTED

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

1755

TRIM
 FRONT ELEVATION
 REAR ELEVATION
 RIGHT ELEVATION
 LEFT ELEVATION
 ROOF PLAN
 SECTION AA

SHEET
A3.0



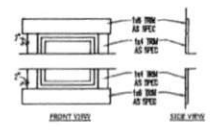
REAR ELEVATION
 SCALE 1/8" = 1'-0"



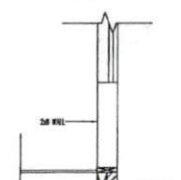
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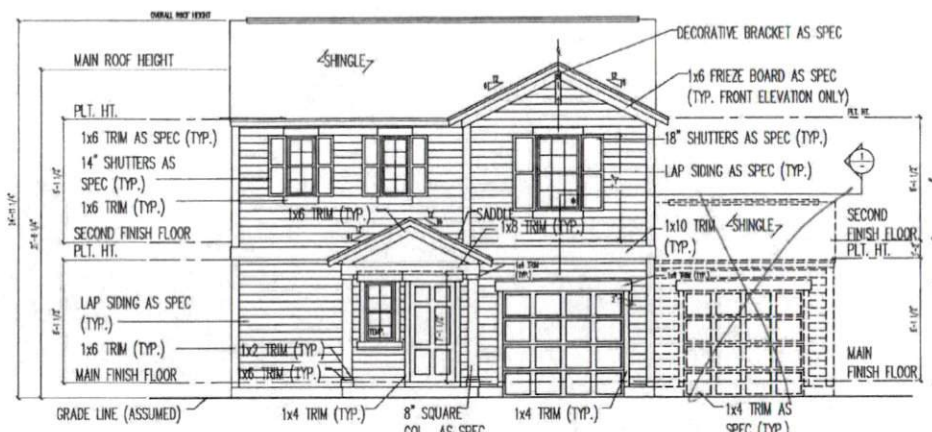
LEFT ELEVATION
 SCALE 1/8" = 1'-0"



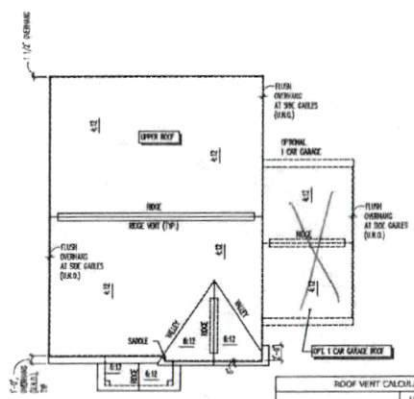
TRIM DETAIL
 SCALE NTS



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

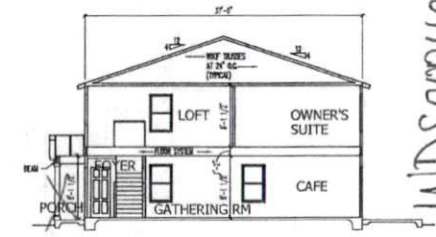


FRONT ELEVATION
 SCALE 1/8" = 1'-0"



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

	UPPER ROOF	OPT. 1 CAR GARAGE
ATIC AREA	1240 SQ. FT.	340 SQ. FT.
NET FREE VENT AREA (NEED SHADINGS)	240 SQ. IN.	100 SQ. IN.
NET FREE VENT AREA REQUIRED	NEAR ROOF	NEAR ROOF
	250 SQ. IN.	50 SQ. IN.
	NEAR SKYLT	NEAR SKYLT
	250 SQ. IN.	50 SQ. IN.



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

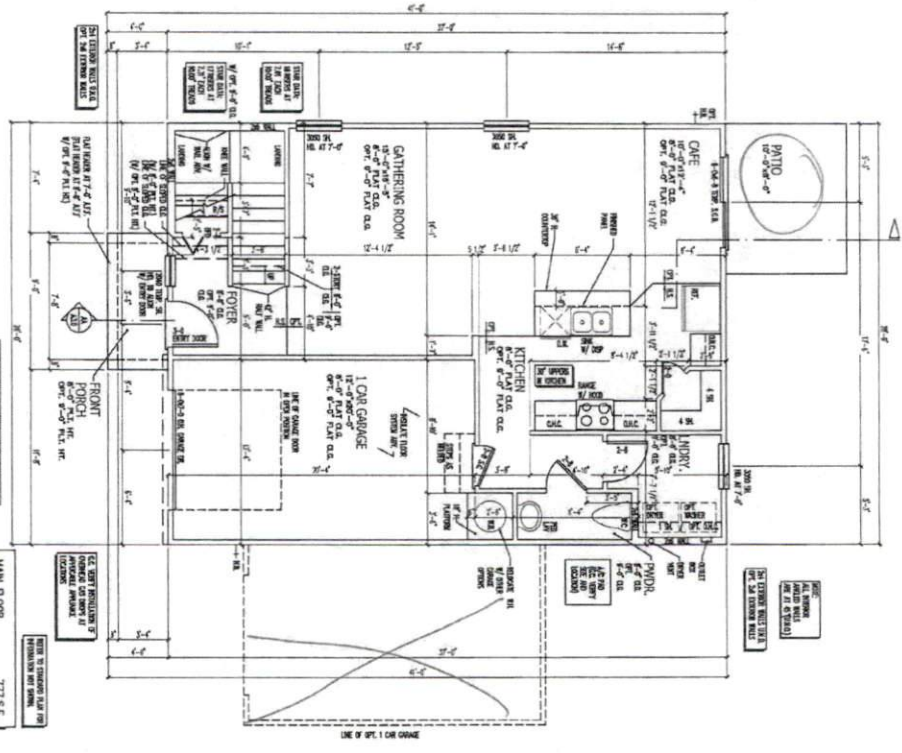
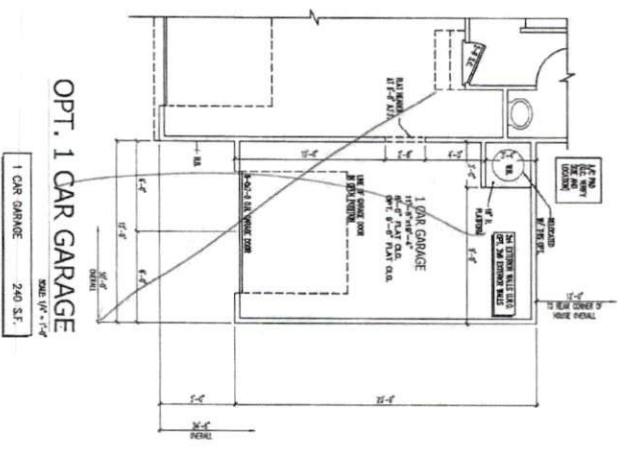
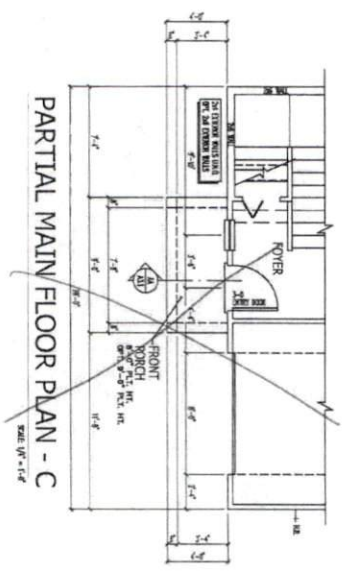
CHANGE OF PLANS FROM THE ARCHITECT'S OFFICE SHALL NOT RELIEVE THE OWNER OF RESPONSIBILITY TO REVIEW AND VERIFY ALL DIMENSIONS AND ADHERENCE TO APPLICABLE BUILDING CODES FROM THE COMMENCEMENT OF ANY CONSTRUCTION.
 ANY DEVIATIONS OF CODES OR REGULATIONS, OR ADHERENCE TO APPLICABLE BUILDING CODES SHALL BE UPON THE ATTENTION OF THE CONTRACTOR'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 APPROVAL, FEES, IF ANY, AND SCHEDULING 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'**

Inventory Marked

WDS000401

OWNER TO VERIFY ALL DIMENSIONS, CONDITIONS, AND REQUIREMENTS OF ALL MATERIALS, FINISHES, AND EQUIPMENT TO BE USED IN THE PROJECT. THE ARCHITECT IS NOT RESPONSIBLE FOR THE ACCURACY OF ANY INFORMATION PROVIDED BY THE OWNER OR ANY OTHER SOURCE. THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE DESIGN OF THE PROJECT AS SHOWN ON THESE PLANS. THE ARCHITECT DOES NOT WARRANT THE ACCURACY OF ANY INFORMATION PROVIDED BY THE OWNER OR ANY OTHER SOURCE. THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE DESIGN OF THE PROJECT AS SHOWN ON THESE PLANS.



MAIN FLOOR PLAN - A
 SCALE: 1/4" = 1'-0"

1 CAR GARAGE 240 S.F.

MAIN FLOOR PLAN
 SCALE: 1/4" = 1'-0"

MAIN FLOOR	777 S.F.
UPPER FLOOR	978 S.F.
TOTAL DWING	1755 S.F.
GARAGE	259 S.F.
FRONT PORCH	38 S.F.
TOTAL SQ. FT.	2055 S.F.

1755

ENGAGE H&H HOMES

DAVID BRYNS

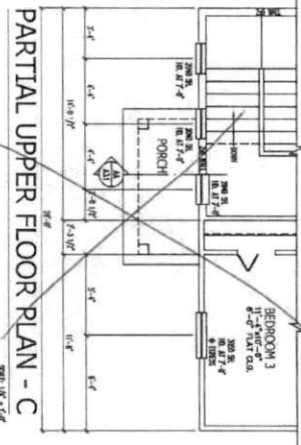
ARCHITECT

1755

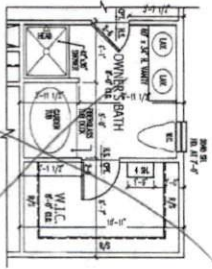
A2.0



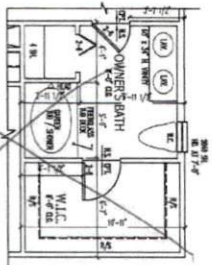
REVISIONS TO THIS PLAN SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT. ANY CHANGES TO THIS PLAN SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT. ANY CHANGES TO THIS PLAN SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT.



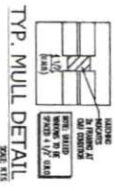
UPPER FLOOR W/ OPT. STGLD 984 S.F.



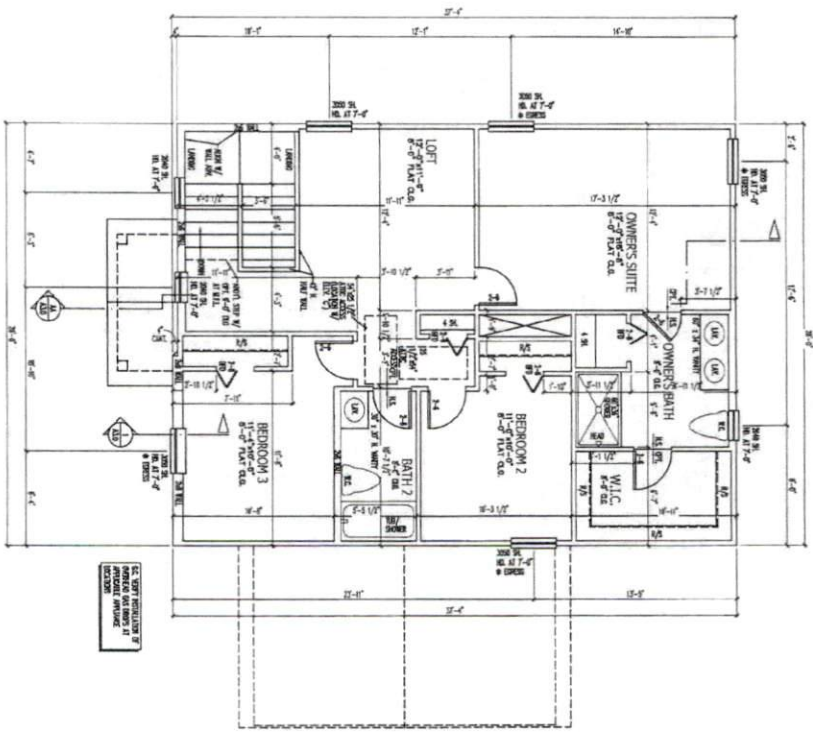
OPT. OWNER'S BATH 2 SCALE 1/4" = 1'-0"



OPT. OWNER'S BATH 1 SCALE 1/4" = 1'-0"



TYP. MULL DETAIL SCALE 1/4" = 1'-0"



UPPER FLOOR PLAN - A

UPPER FLOOR W/ OPT. STGLD 974 S.F.

UPPER FLOOR PLAN

A2.1

1755

ENGAGE
H&H HOMES

DATE: 11/11/11
DRAWN BY: J. HARRIS
CHECKED BY: J. HARRIS
DESIGNED BY: J. HARRIS
PROJECT NO: 1755
SHEET NO: A2.1

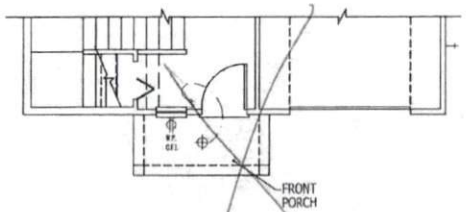


ELECTRICAL KEY

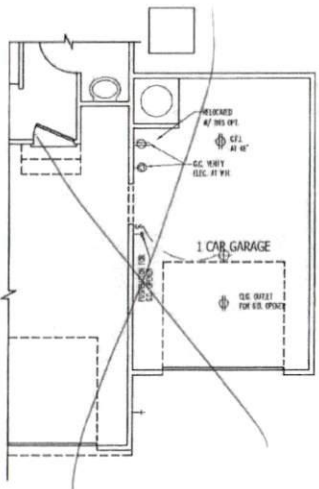
- ⊙ DUPLEX CONDUITANCE OUTLET
- ⊙ DUPLEX OUTLET ABOVE COUNTERTOP
- ⊙ NEARBY/NEARBY DUPLEX OUTLET
- ⊙ OPENED FULLY INTERRUPTER DUPLEX OUTLET
- ⊙ HALF-INTERRUPTER DUPLEX OUTLET
- ⊙ DUPLEX SURFACE MOUNT
- ⊙ DUPLEX OUTLET IN FLOOR
- ⊙ 220 VOLT OUTLET
- ⊙ WALL SWITCH
- ⊙ SWICH-WAY SWITCH
- ⊙ FLOOR-WAY SWITCH
- ⊙ DIMMER SWITCH
- ⊙ CEILING MOUNTED RECESSED DOWN LIGHT FIXTURE
- ⊙ WALL MOUNTED RECESSED DOWN LIGHT FIXTURE
- ⊙ RECESSED RECESSED LIGHT FIXTURE
- ⊙ LIGHT FIXTURE WITH AIR, COOL
- ⊙ TRUSS LIGHT
- ⊙ FLUORESCENT LIGHT FIXTURE
- ⊙ CHANDED FIX
- ⊙ CHANDED FIX (LIGHT CONDUIT)
- ⊙ ELECTRIC OVEN OVERCABINETS (E/OVERCAB)
- ⊙ OVEN (E/OVERCAB)
- ⊙ REFRIGERATION LINEN (E/OVERCAB)
- ⊙ CASHIER SERVICE DETECTOR
- ⊙ SMOKE DETECTOR
- ⊙ SMOKE / CARBON MONOXIDE DETECTOR
- ⊙ ALARM (E/OVERCAB)
- ⊙ TELEVISION (E/OVERCAB)
- ⊙ BATHROOM
- ⊙ CEILING MOUNT
- ⊙ ELECTRIC PANEL
- ⊙ DIMMER SWITCH
- ⊙ DIMMER (E/OVERCAB)
- ⊙ RANGE - 120 VOLT CEILING FAN
- ⊙ RANGE - 240 VOLT CEILING FAN
- ⊙ CEILING MOUNTED RECESSED DOWN LIGHT FIXTURE W/ RANGE - 120 VOLT CEILING FAN
- ⊙ RANGE - 240 VOLT CEILING FAN

NOTES:

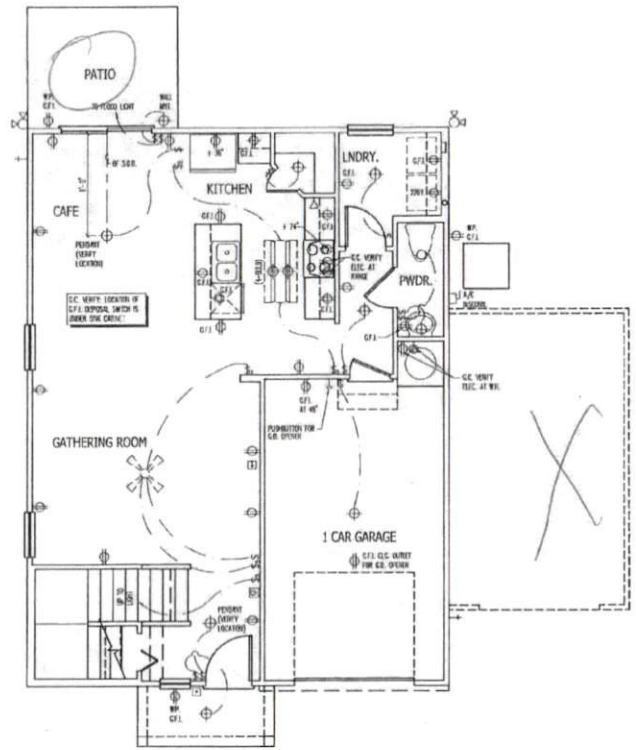
1. PROVIDE AND INSTALL DOWNBOW SHALL (ELECTRICAL/MECHANICAL) AS INDICATED ON PLANS OR AS PER AIA 4 AND 5 BELOW SPECIFICATIONS.
2. UNLESS OTHERWISE SPECIFIED, PITCHES, SLOPES AND RECESSES AT THE FOLLOWING HEIGHTS ABOVE FINISHED FLOOR:
SWITCHES . . . 4"
OUTLETS . . . 16"
RECESSES . . . 16" (UNLESS ANY OTHERWISE SPECIFIED)
3. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE ELECTRICAL CODE AND ALL APPLICABLE LOCAL, STATE, FEDERAL AND NATIONAL ELECTRICAL CODES AND REGULATIONS.
4. ALL EHA AND FAN RECESSES IN SLEEPING ROOMS, ENTRY ROOMS, BATHS, BUNK ROOMS, PORCHES, TERRACES, DECK, SUNROOMS, RECREATION ROOMS, GOLF CLUB HOUSES, AND OTHER AREAS ARE TO BE INSTALLED IN ACCORDANCE WITH THE ELECTRICAL CODE AND ALL APPLICABLE LOCAL, STATE, FEDERAL AND NATIONAL ELECTRICAL CODES AND REGULATIONS.
5. ALL EHA AND FAN RECESSES IN GARAGE ARE TO BE INSTALLED IN ACCORDANCE WITH THE ELECTRICAL CODE AND ALL APPLICABLE LOCAL, STATE, FEDERAL AND NATIONAL ELECTRICAL CODES AND REGULATIONS.
6. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICIAN TO ENSURE THAT ALL ELECTRICAL WORK IS IN FULL COMPLIANCE WITH NFPA 70, I.E.C. CODE, AND ALL APPLICABLE LOCAL, STATE, FEDERAL AND NATIONAL ELECTRICAL CODES AND REGULATIONS.
7. EVERY BURNING FUEL-BURNING HEATER OR APPLIANCE, PORTLAND, OR AS A CHIMNEY CHIMNEY SHALL HAVE AN OPERATIONAL CARBON MONOXIDE DETECTOR INSTALLED WITHIN 10 FEET OF EACH ROOM USED FOR SLEEPING PURPOSES.
8. ALWAYS SHALL BE INSTALLED WITHIN 10 FEET FROM THE BATHING AREA WHEN BATHING IS TO BE USED FROM THE LOCAL POWER UTILITY. SUCH ALARMS SHALL HAVE BATTERY BACKUP. COMBINATION SMOKE/CARBON MONOXIDE ALARMS SHALL BE LISTED OR Labeled BY A NATIONALLY RECOGNIZED TESTING LABORATORY.



PARTIAL MAIN FLOOR PLAN - C



OPT. 1 CAR GARAGE



MAIN FLOOR PLAN - A

REGULANCE OF PLANS FROM THIS DATE ONWARD SHALL NOT BE THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER. THE ARCHITECT OR ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE CONTRACTOR.



DATE	DESCRIPTION
11-18-17	1755-17
11-18-17	1755-17
11-18-17	1755-17



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ENGINEER
H&H HOMES

1755

MAIN FLOOR ELEC. PLAN
OPTIONAL GARAGE ELEC.

SHEET
E1

MAIN FLOOR ELECTRICAL PLAN



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



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ENGAGE
H&H HOMES

1755

UPPER FLOOR ELEC. PLAN
OWNER'S BATH OPTIONS

SHEET
E2

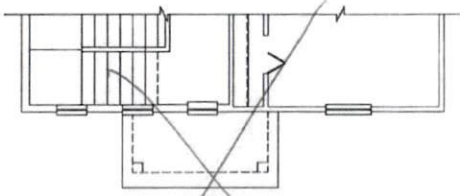
ELECTRICAL KEY

- 100- DUPLEX CONDUITANCE OUTLET
- 101- DUPLEX WALL MOUNT OUTLET
- 102- W/ADAPTER FULLY RECESSED DUPLEX OUTLET
- 103- GRABBAR FULLY RECESSED DUPLEX OUTLET
- 104- HALF-CATCHER DUPLEX OUTLET
- 105- SPECIAL PURPOSE OUTLET
- 106- DUPLEX OUTLET IN FLOOR
- 107- 200 VOLT OUTLET
- 108- WALL SWITCH
- 109- THREE-WAY SWITCH
- 110- FOUR-WAY SWITCH
- 111- DIMMER SWITCH
- 112- CEILING MOUNTED RECESSED/INSET LIGHT FIXTURE
- 113- WALL MOUNTED RECESSED/INSET LIGHT FIXTURE
- 114- RECESSED RECESSED/INSET LIGHT FIXTURE
- 115- LIGHT FIXTURE WITH P.A. CHAIN
- 116- TRACK LIGHT
- 117- PENDANT/STAIR LIGHT FIXTURE
- 118- DIMMER FAN
- 119- DIMMER FAN/LIGHT COMBINATION
- 120- ELECTRIC BOOK OVERHEAD (EPOHKA)
- 121- CHAIRS (EPOHKA)
- 122- POPUP/STAIR SWITCH (EPOHKA)
- 123- CROWN MOLDING DETECTOR
- 124- DIMMER DETECTOR
- 125- DIMMER / CROWN MOLDING DETECTOR
- 126- TELEPHONE (EPOHKA)
- 127- TELEVISION (EPOHKA)
- 128- REFRIGERATOR
- 129- ELECTRIC HEATER
- 130- ELECTRIC PANEL
- 131- DIMMERLESS SWITCH
- 132- SWITCH (EPOHKA)
- 133- BREAKER FOR THE CEILING FAN
- 134- BREAKER FOR THE CEILING FAN
- 135- ISLAND MOUNTED RECESSED/INSET LIGHT FIXTURE W/ PENDANT FOR THE CEILING FAN

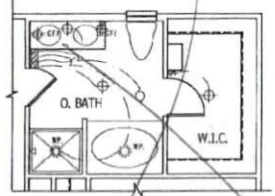
NOTES:

1. PROVIDE AND INSTALL DOUBLE HALL LIGHTS (EPOHKA) AS SHOWN ON PLANS OR AS NOTED AND 4 AND 5 FLOOR REAR.
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 NOTED)
TELEVISION ... 4'-0"
3. ALL DIMMER OVERLAP SHOULD BE DISCONNECTED INTO AN ELECTRICAL POWER SOURCE AND SHALL BE EQUIPPED WITH A BURNING SAFETY SWITCH. PROVIDE AND INSTALL LOCALLY CONTROLLED DIMMER SWITCHES.
4. ALL 10A AND 20A RECEPTACLES IN SLEEPING ROOMS, ENTRY ROOMS, DINING ROOMS, LIVING ROOMS, PARADES, LOBBIES, HALLS, CORRIDORS, HIGHLIGHT ROOMS, GALLERY, HALLWAYS, AND OTHER AREAS SHALL BE INSTALLED AT CONFORMANCE WITH I.E.C. CODE AND DIMMER-PROOF RECEPTACLES PER I.E.C. CODE AND 408.17.
5. ALL 10A AND 20A LIGHT RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROOMS SHALL BE GFCI PROTECTED PER I.E.C.
6. IT IS THE RESPONSIBILITY OF THE LESSEE (CLIENT) TO ENSURE THAT ALL ELECTRICAL WORK IS IN FULL COMPLIANCE WITH I.E.C. CODE, ALL APPLICABLE LOCAL, STATE, FEDERAL, AND OTHER APPLICABLE CODES, ORDINANCES, AND REGULATIONS.
7. EVERY HEATING HEAVY-DUTY HEATING HEATER OR AIR-CONDITIONING UNIT, 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. CARBON MONOXIDE ALARMS SHALL BE INSTALLED ON LEVELS BY A LICENSED PROFESSIONAL ENGINEER.

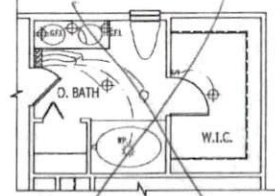
ISSUANCE OF PLANS FROM THIS ARCHITECT'S OFFICE SHALL NOT RELIEVE THE OWNER OF RESPONSIBILITY TO REVIEW AND VERIFY ALL CODES, ORDINANCES, AND REGULATIONS TO APPLICABLE BUILDING CODES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.
ANY DISCREPANCY BY OWNER IN REVIEW, DISCREPANCY IN APPLICABLE BUILDING CODES SHALL BE REPORTED TO THE ARCHITECT BY THE OWNER'S FILE FOR CORRECTION WITHIN THE COMMENCEMENT OF ANY CONSTRUCTION.
ANY REVISIONS OF CHANGES AND RELATED TO THE CONNECTION OF WORKS SHALL BE MADE WITHIN THE CIVIL PLANS HAVE BEEN COMPLETED SHALL BE "SUBJECT" TO APPROVAL, FEES.
IF ANY REVISIONS ARE MADE TO THESE PLANS BY ANY OTHER PARTY OTHER THAN THE ARCHITECT'S OFFICE, THE ARCHITECT SHALL NOT BE HELD RESPONSIBLE.



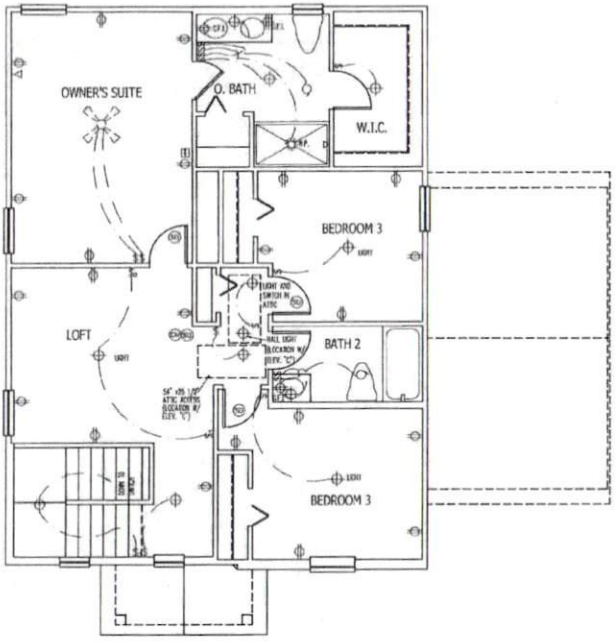
PARTIAL UPPER FLOOR PLAN - C



OPT. OWNER'S BATH 2



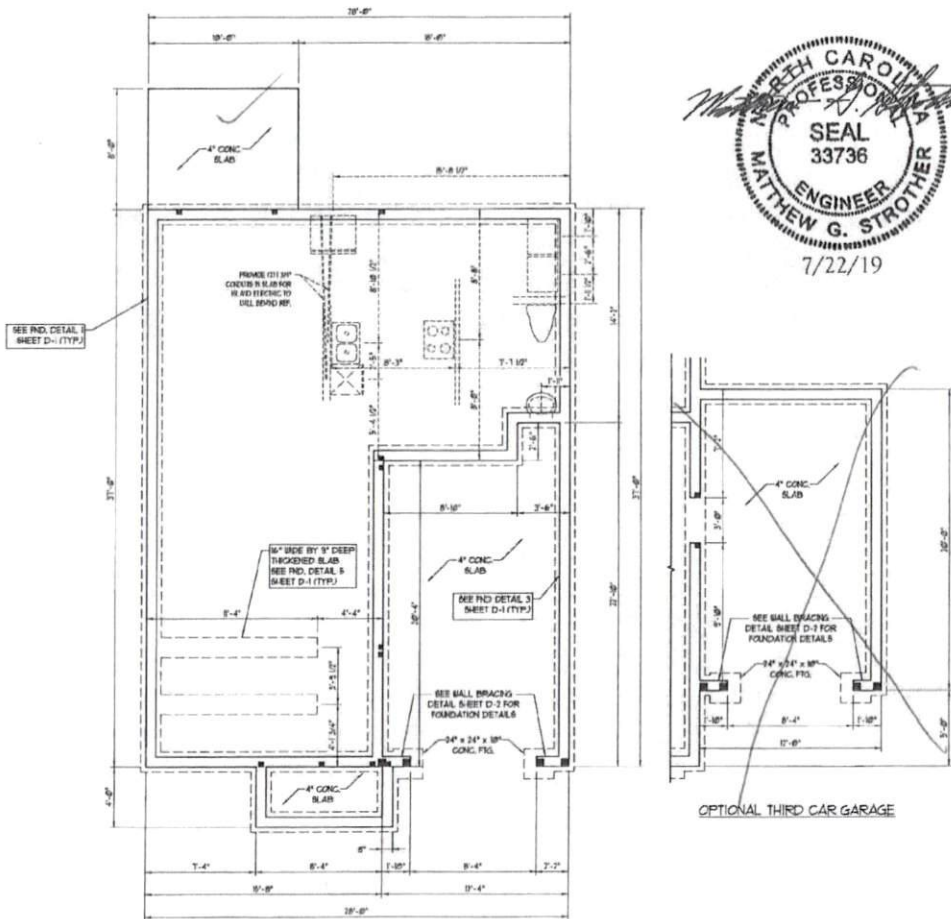
OPT. OWNER'S BATH 1



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.



- DO NOT ULTIMATE DESIGN SPEC. NOTES FOR LESS THAN 30\"/>
 - ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL. CIVIL/MECHANICAL ENGINEERS SEAL DOES NOT CONFIRM DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEMS.
 - STRUCTURAL DESIGN PER NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
 - FOUNDATION DESIGN PER CHAPTER 10 CHAPTER 16 FOUNDATION DESIGN PER 2018 IRC EDITION.
 - FOUNDATION DESIGN TO COMPLY WITH SECTION 1804 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
 - FEAR ROOF HEIGHT IS LESS THAN 10 FEET, WALL CLADDING DESIGNED FOR 40 PSF AND 10 PSF (A) NEGATIVE MOMENT / TENSILE 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\"/>
 - WALLS TO BE BRACED IN ACCORDANCE WITH SECTION 1804.2 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION AND AS NOTED ON PLAN.
 - ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 8 OF THE NCRC, 2018 EDITION.

- DO NOT ULTIMATE DESIGN SPEC. NOTES FOR LESS THAN 30\"/>
 - ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL. CIVIL/MECHANICAL ENGINEER'S SEAL DOES NOT CONFIRM DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEMS.
 - STRUCTURAL DESIGN PER NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
 - DETAILS OF JOISTS SHALL BE 2\"/>
 - FEAR ROOF HEIGHT IS LESS THAN 10 FEET, EXTERIOR WALLS DESIGNED FOR 30 PSF UDL.
 - WALL CLADDING DESIGNED FOR 40 PSF AND 10 PSF (A) NEGATIVE MOMENT / TENSILE PRESSURE (TYP).
 - ROOF 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.
 - DETAILS 10\"/>
 - FOUNDATION DESIGN TO COMPLY WITH SECTION 1804 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
 - 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
NORTH CAROLINA LICENSE NO. 10713

ENGAGE - GARAGE RIGHT
H & H HOMES

DATE PLOTTED	11/27/19
SCALE	1/4\"/>
DRAWN BY	WJW/MS/PC/MS/CS
CHECKED BY	MS

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 STUDS (INCHES)	MINIMUM RILL STUDS (INCHES)
UP TO 3'	2	2
4'	3	3
5'	4	4
6'	5	5
7'	6	6

- 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. FASTEN OSB WITH 1 1/4" SCREWS OR 1 1/4" NAILS SPACED 7" O.C. ALONG PANEL EDGES AND 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	METHOD: CS-80P/PP	SIDE D	METHOD: CS-80P/PP
TOTAL REQUIRED LENGTH: 141'	TOTAL PROVIDED LENGTH: 138'	TOTAL REQUIRED LENGTH: 33'	TOTAL PROVIDED LENGTH: 33'
SIDE JA	METHOD: CS-80P	SIDE JB	METHOD: CS-80P
TOTAL REQUIRED LENGTH: 141'	TOTAL PROVIDED LENGTH: 138'	TOTAL REQUIRED LENGTH: 33'	TOTAL PROVIDED LENGTH: 33'
SIDE KA	METHOD: CS-80P	SIDE LA	METHOD: CS-80P
TOTAL REQUIRED LENGTH: 141'	TOTAL PROVIDED LENGTH: 138'	TOTAL REQUIRED LENGTH: 33'	TOTAL PROVIDED LENGTH: 33'
SIDE LA	METHOD: CS-80P	SIDE LB	METHOD: CS-80P
TOTAL REQUIRED LENGTH: 141'	TOTAL PROVIDED LENGTH: 138'	TOTAL REQUIRED LENGTH: 33'	TOTAL PROVIDED LENGTH: 33'

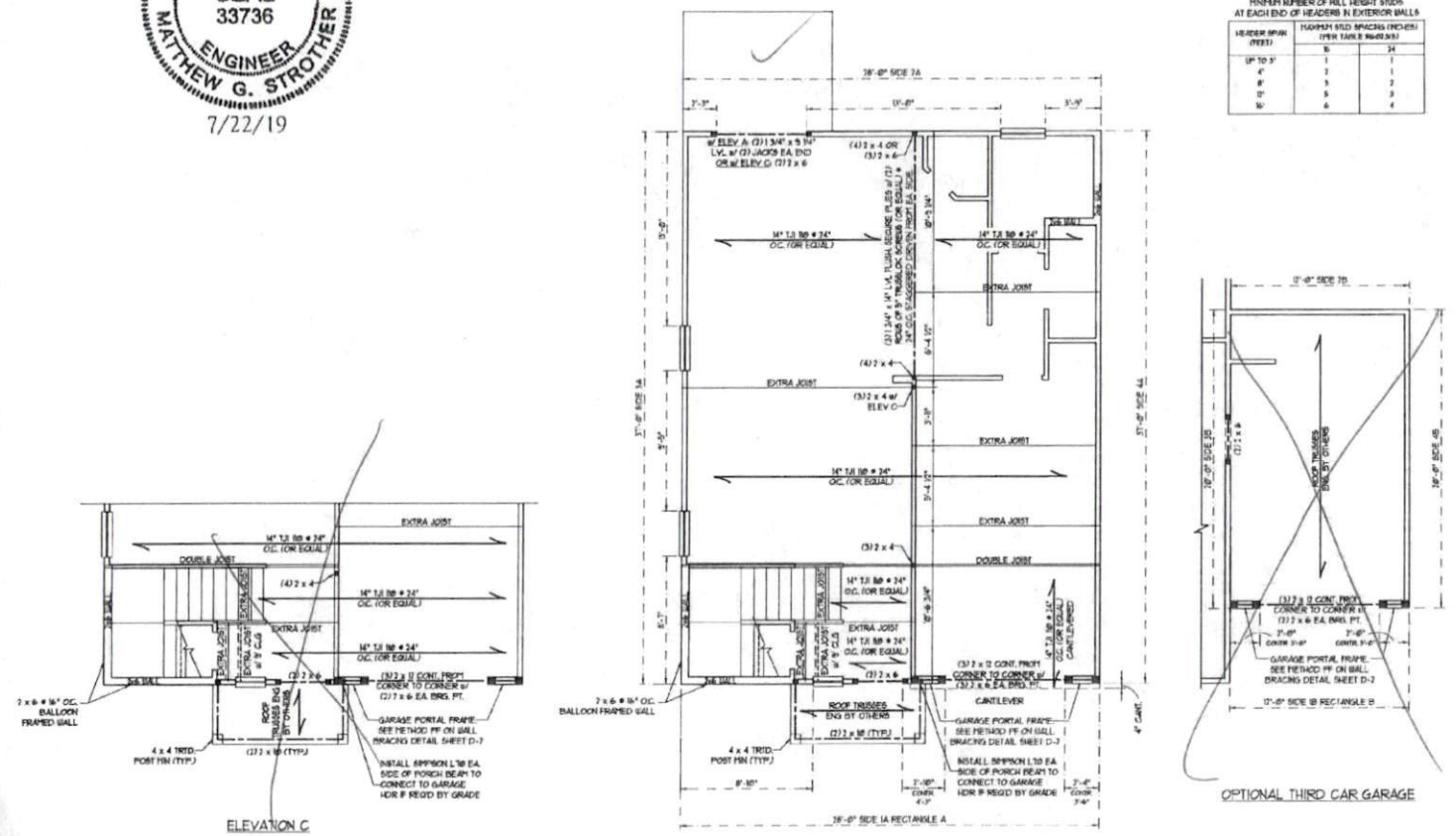
- STRUCTURAL NOTES:**
- ALL FRAMING LUMBER TO BE SFF #2 (UNO). ALL TREATED LUMBER TO BE SFF #2 (UNO).
 - ALL LOAD BEARING HEADERS TO BE (12) 2 x 6 (UNO).
 - INSTALL AN EXTRA JOINT UNDER WALLS PARALLEL TO FLOOR JOISTS (AS NOTED ON THE PLANS).
 - WINDOW AND DOOR HEADERS TO BE SUPPORTED BY (2) 2 x 4 SFF AND (2) 2 x 6 SFF (UNO) 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 4 (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/ SPPRIN 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 100 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
NO. 33736
N.C. LICENSE NO. 33736

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DATE: 03.11.2019
SCALE: 1/4" = 1'-0"
PROJECT: 19-0000-0000-0000
PROJECT 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 #4621P OF THE NRC 2009 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 17" O.C. IN THE FIELD.
3. OSB REFERS TO "OSB/PSI BOARD" CONTRACTOR IS TO INSTALL 1/2" (PSI) OSB/PSI BOARD WHERE 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 DB MPH. FOR HIGH WIND ZONES, BRACE WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 45 OF THE NRC 2009 EDITION. SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL INFORMATION.

NOTE:

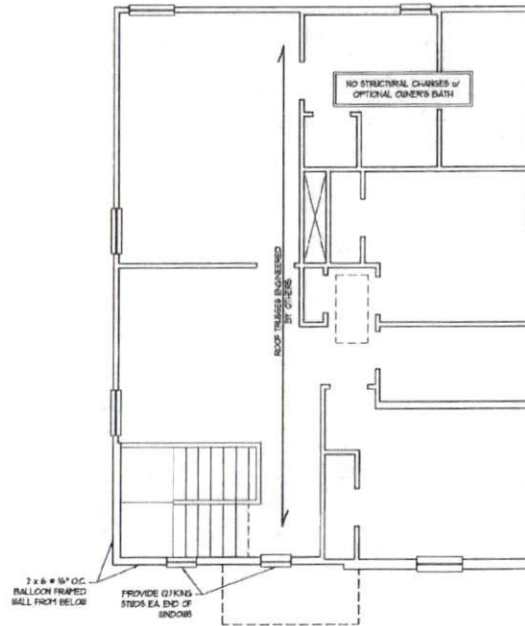
1. PER SECTION #4621P.13 OF THE NRC 2009 EDITION, THE SPACING OF BRACING ON THE SECOND FLOOR EXCEEDS THE AMOUNT REQUIRED FOR THE FIRST FLOOR AND NO BRACED WALL ANALYSIS IS REQUIRED.
2. SHEATH ALL EXTERIOR WALLS WITH 1/2" OSB SHEATHING ATTACHED WITH 8d NAILS AT 6" O.C. ALONG PANEL EDGES AND 17" O.C. IN THE FIELD.

STRUCTURAL NOTES:

1. ALL FRAMING LUMBER TO BE SFF #2 (UNO).
 2. ALL TREATED LUMBER TO BE SFF #2 (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 R440'S" FOR ADDITIONAL KING STUD REQUIREMENTS.
 5. SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKS TO GROUND OR FOUNDATION. ALL SQUARES TO BE (12) STUDS (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 #1015
MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (FEET)	MINIMUM BRID SPACING (FEET) (PER TABLE #1015)	MINIMUM NUMBER OF STUDS
UP TO 3'	1	1
4'	2	2
5'	3	3
6'	4	4



ELEVATION A



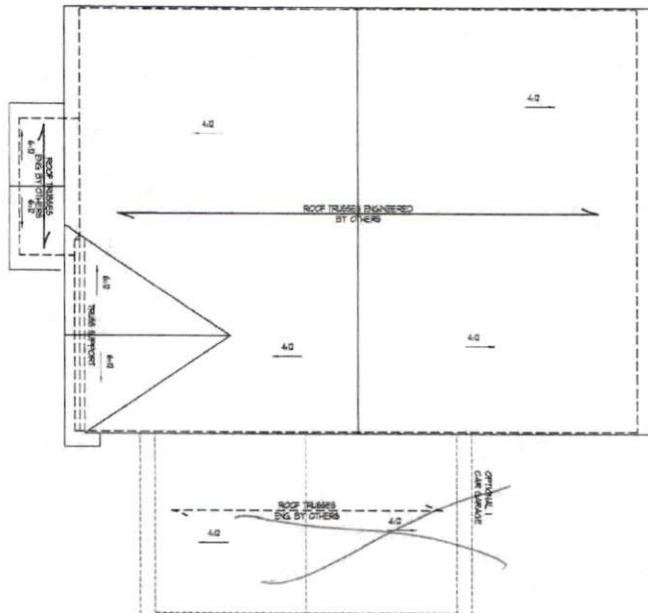
7/22/19

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PRINTED BY: JST
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CHECKED BY: JST
DATE: 7/22/19

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



ELEVATION A

SCALE NOTE:
 DIMENSIONS ARE TO SCALE AS NOTED
 IF 1/4" IT PRINTS ARE ONE HALF THE NOTED SCALE

- STRUCTURAL NOTES**
1. ALL MEMBERS LISTED TO BE 8
 2. 4" (X) 10" (Y) 1/2" (Z) 1/2" (W) 1/2" (V) 1/2" (U) 1/2" (T) 1/2" (S) 1/2" (R) 1/2" (Q) 1/2" (P) 1/2" (O) 1/2" (N) 1/2" (M) 1/2" (L) 1/2" (K) 1/2" (J) 1/2" (I) 1/2" (H) 1/2" (G) 1/2" (F) 1/2" (E) 1/2" (D) 1/2" (C) 1/2" (B) 1/2" (A) 1/2" (Z) 1/2" (Y) 1/2" (X) 1/2" (W) 1/2" (V) 1/2" (U) 1/2" (T) 1/2" (S) 1/2" (R) 1/2" (Q) 1/2" (P) 1/2" (O) 1/2" (N) 1/2" (M) 1/2" (L) 1/2" (K) 1/2" (J) 1/2" (I) 1/2" (H) 1/2" (G) 1/2" (F) 1/2" (E) 1/2" (D) 1/2" (C) 1/2" (B) 1/2" (A)
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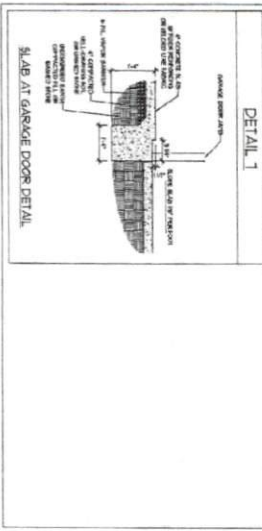
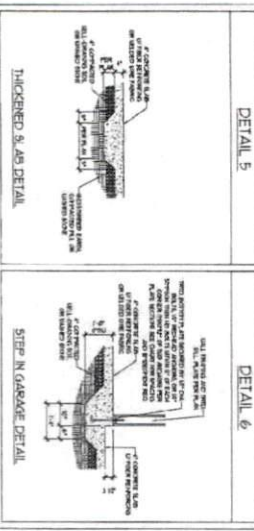
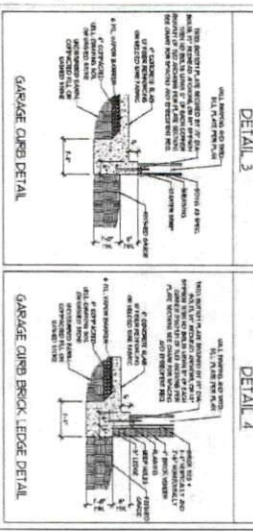
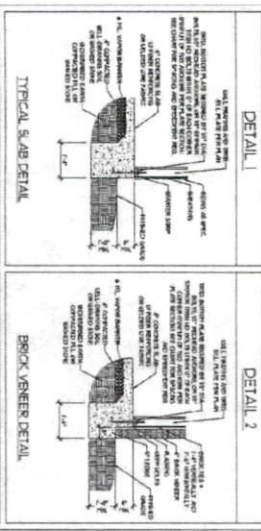


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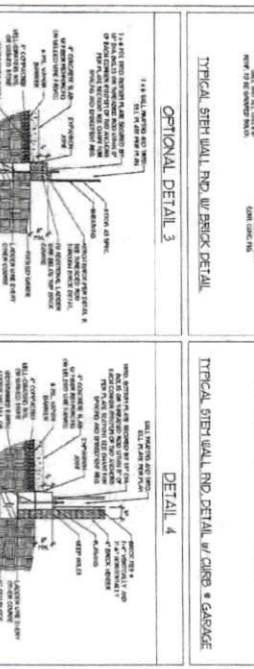
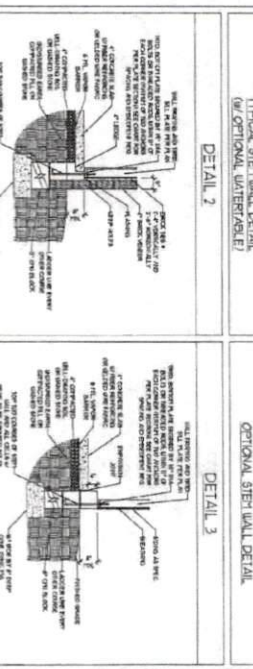
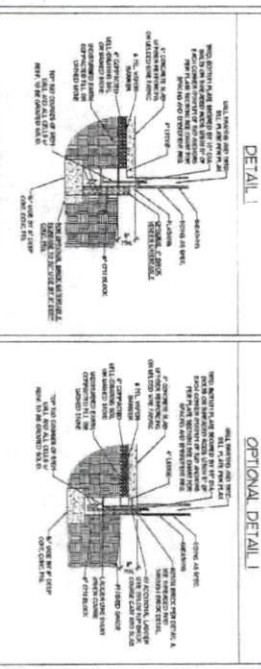
**J.S. THOMPSON
 ENGINEERING, INC**
 40 WADE AVE., SUITE 104 RALEIGH, NC 27603
 PHONE: (919) 279-9999 FAX: (919) 279-9991
 N.C. LICENSE NO. C-1733

DATE: 7/22/19
 SHEET: 7 OF 8
 DRAWING: ROOF TRUSS PLAN

MONOLITHIC SLAB DETAILS



STEWALL DETAILS



MASONRY STEEWALL SPECIFICATIONS

WALL HEIGHT (FEET)	# OF COURSE	COURSE HEIGHT (IN)	REINFORCEMENT	ANCHORING
1	UNREINFORCED	8\"/>		
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ANCHOR SPACING AND EMBEDMENT

BAR SIZE	SPACING	EMBEDMENT
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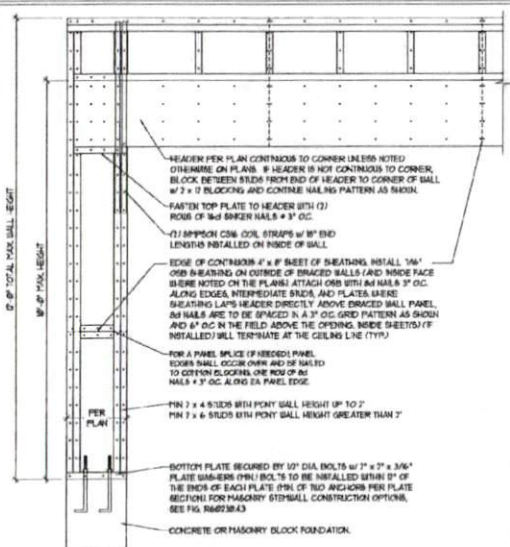
120 MPH - 130 MPH ULTIMATE DESIGN WIND SPEED FOUNDATION DETAILS

J.S. THOMPSON ENGINEERING, INC.
 80 MADEIRA BLVD. SUITE 104 RALEIGH, NC 27605
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 WEBSITE: WWW.JSTENGINEERING.COM

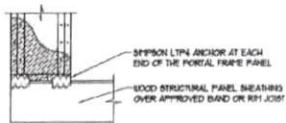
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APPROVED BY	

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(3) 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 COUPLER NAILS OR 6d 10" x 10" LONG x 285³ CHARACTER NAILS SPACED @ 6" O.C. ALONG PANEL EDGES AND @ 24" 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 12" O.C. ALONG PANEL EDGES INCLUDING TOP AND BOTTOM PLATES AND INTERMEDIATE SUPPORTS (RIBC). 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 1/2 TIMES ITS ACTUAL LENGTH.

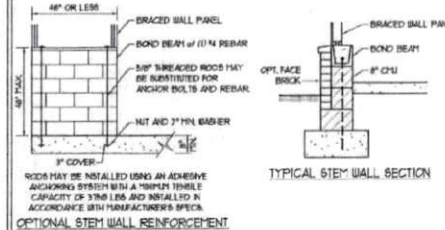
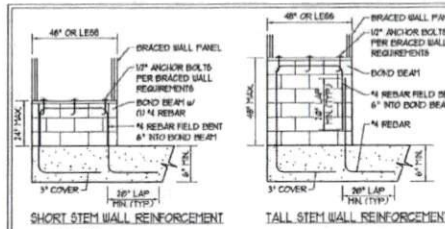


OVER CONCRETE OR MASONRY BLOCK FOUNDATION

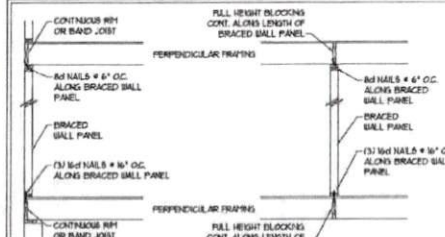


OVER RAISED WOOD FLOOR - FRAMING ANCHOR OPTION
* APPLICABLE IF GREATER THAN 1/2\"/>

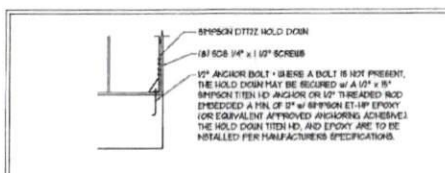
METHOD FF-PORTAL FRAME DETAIL ①



MASONRY STEM WALLS SUPPORTING BRACED WALL PANELS ②
PER FIGURE R602.10.4.3
NOTE: GROUT BOND BEAMS AND ALL CELLS WHICH CONTAIN REBAR, THREADED RODS AND ANCHOR BOLTS

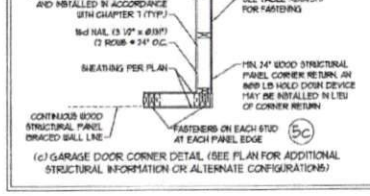
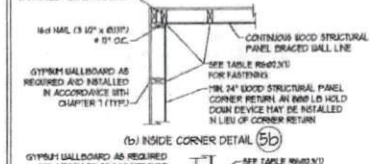
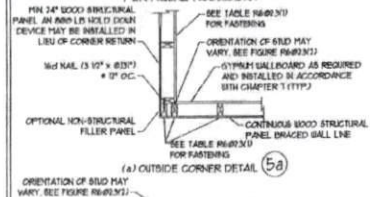


BRACED WALL PANEL CONNECTION WHEN PERPENDICULAR TO FLOOR/CEILING FRAMING ③
PER FIGURE R602.10.4.4(U)

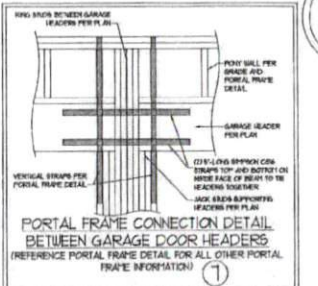


HOLD DOWN DETAIL FOR MASONRY FOUNDATION OR MONOLITHIC SLAB ④
* APPLICABLE ONLY WHERE SPECIFIED ON PLAN

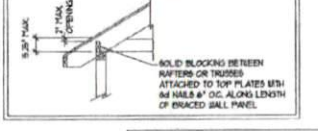
TYPICAL EXTERIOR CORNER FRAMING FOR CONTINUOUS SHEATHING ⑤
PER FIGURE R602.10.3(5)



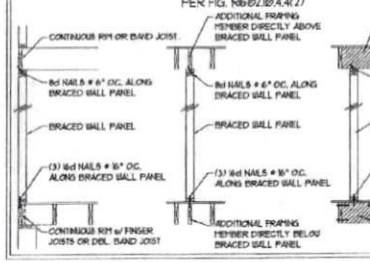
SCALE NOTE:
LARGE FORMAT PRINTS ARE TO SCALE AS NOTED.
1/4\"/>



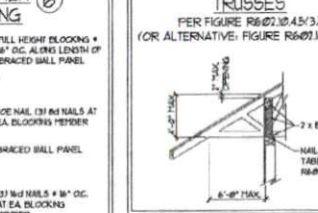
BRACED WALL PANEL CONNECTION TO PERPENDICULAR RAFTERS ⑧
PER FIGURE R602.10.4.5(1)



BRACED WALL PANEL CONNECTION WHEN PARALLEL TO FLOOR/CEILING FRAMING ⑥
PER FIGURE R602.10.4.4(2)



BRACED WALL PANEL CONNECTION TO PERPENDICULAR ROOF TRUSSES ⑨
PER FIGURE R602.10.4.5(3) (OR ALTERNATIVE: FIGURE R602.10.4.5(3))



DATE ON THIS SHEET: 09/11/09
SCALE: 1/4\"/>

7/22/19

J.S. THOMPSON ENGINEERING, INC.
REGISTERED PROFESSIONAL ENGINEER
STATE OF NORTH CAROLINA
LICENSE NO. 15113

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

D-2
BRACE WALL NOTES AND DETAILS AND FF DETAILS

This sealed page is to be used in conjunction with a full plan set engineered by J.S. Thompson Engineering, Inc. Use of this individual sealed page within architectural plans or shop drawings by others is a punishable offense under N.C. Statute § 89C-23

GENERAL NOTES

1. DRAWERS SHALL VERIFY PER TO STRUCTURAL COMPONENTS INCLUDING ROOF SYSTEMS, HINGE WALLS, WALLS, WINDOW COORDS, WALLS, RISERS, HEADLINE, COLUMN, GABLES, BALT, FEEL, GARDEN SYSTEM AND FOOTING. ENGINEERS SEAL DOES NOT COVER FOR ALL THE DRAWERS TO BE RESPONSIBLE FOR VERIFYING THE DIMENSIONS AND PROVISIONS IN CONNECTION WITH THE CONSTRUCTION WITH THE CONTRACT DOCUMENTS.
2. ALL CONNECTIONS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE CHAPTER 19A EXCEPT PER THE DRAWING AND ANNOTATIONS.
3. STRUCTURAL DESIGN BASED ON THE PROVISIONS OF THE NORTH CAROLINA RESIDENTIAL CODE CHAPTER 19A.

ITEM	DESCRIPTION (NO)	DEPTH (MM)	DEPTH (IN)	LIVE LOAD (PSF)	LIVE LOAD (KIP/SQ FT)
1	ATTIC LUMBER BRIDGE	10	0	10	10
2	ATTIC LUMBER BRIDGE	10	0	10	10
3	ATTIC LUMBER BRIDGE	10	0	10	10
4	ATTIC LUMBER BRIDGE	10	0	10	10
5	ATTIC LUMBER BRIDGE	10	0	10	10
6	ATTIC LUMBER BRIDGE	10	0	10	10
7	ATTIC LUMBER BRIDGE	10	0	10	10
8	ATTIC LUMBER BRIDGE	10	0	10	10
9	ATTIC LUMBER BRIDGE	10	0	10	10
10	ATTIC LUMBER BRIDGE	10	0	10	10
11	ATTIC LUMBER BRIDGE	10	0	10	10
12	ATTIC LUMBER BRIDGE	10	0	10	10
13	ATTIC LUMBER BRIDGE	10	0	10	10
14	ATTIC LUMBER BRIDGE	10	0	10	10
15	ATTIC LUMBER BRIDGE	10	0	10	10

FOOTING AND FOUNDATION NOTES

1. FOUNDATION DESIGN BASED ON A TYPICAL ALLOWABLE BEARING CAPACITY OF 3000 PSF. CONTACT GEOLOGICAL ENGINEER'S REPORTS CAPACITY IS NOT ADVISED.
2. ALL CONCRETE SHALL BE 4000 PSI AND FOOTINGS SHALL BE 4000 PSI UNLESS OTHERWISE SPECIFIED. THE ALL VERTICAL FOR CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE SPECIFIED.
3. ALL CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE SPECIFIED. THE ALL VERTICAL FOR CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE SPECIFIED.
4. ALL CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE SPECIFIED. THE ALL VERTICAL FOR CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE SPECIFIED.
5. ALL CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE SPECIFIED. THE ALL VERTICAL FOR CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE SPECIFIED.

This note page is to be used in connection with a full and complete set of shop drawings by others as a guide. Use of this individual sheet page without the approval of J.S. Thompson Engineering Inc. is prohibited (other than N.C. Statute § 89C23)

FRAMING NOTES

1. ALL FINISH LUMBER SHALL BE 2" THICK UNLESS OTHERWISE SPECIFIED. 2" THICK UNLESS OTHERWISE SPECIFIED.
2. ALL FINISH LUMBER SHALL BE 2" THICK UNLESS OTHERWISE SPECIFIED. 2" THICK UNLESS OTHERWISE SPECIFIED.
3. ALL FINISH LUMBER SHALL BE 2" THICK UNLESS OTHERWISE SPECIFIED. 2" THICK UNLESS OTHERWISE SPECIFIED.

ITEM	DESCRIPTION (NO)	DEPTH (MM)	DEPTH (IN)	LIVE LOAD (PSF)	LIVE LOAD (KIP/SQ FT)
1	ATTIC LUMBER BRIDGE	10	0	10	10
2	ATTIC LUMBER BRIDGE	10	0	10	10
3	ATTIC LUMBER BRIDGE	10	0	10	10
4	ATTIC LUMBER BRIDGE	10	0	10	10
5	ATTIC LUMBER BRIDGE	10	0	10	10
6	ATTIC LUMBER BRIDGE	10	0	10	10
7	ATTIC LUMBER BRIDGE	10	0	10	10
8	ATTIC LUMBER BRIDGE	10	0	10	10
9	ATTIC LUMBER BRIDGE	10	0	10	10
10	ATTIC LUMBER BRIDGE	10	0	10	10
11	ATTIC LUMBER BRIDGE	10	0	10	10
12	ATTIC LUMBER BRIDGE	10	0	10	10
13	ATTIC LUMBER BRIDGE	10	0	10	10
14	ATTIC LUMBER BRIDGE	10	0	10	10
15	ATTIC LUMBER BRIDGE	10	0	10	10

1. ALL CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE SPECIFIED. THE ALL VERTICAL FOR CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE SPECIFIED.
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12. ALL CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE SPECIFIED. THE ALL VERTICAL FOR CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE SPECIFIED.
13. ALL CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE SPECIFIED. THE ALL VERTICAL FOR CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE SPECIFIED.
14. ALL CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE SPECIFIED. THE ALL VERTICAL FOR CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE SPECIFIED.
15. ALL CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE SPECIFIED. THE ALL VERTICAL FOR CONCRETE SHALL BE 4000 PSI UNLESS OTHERWISE SPECIFIED.

SCALE NOTE: LARGE PRINT PRINTS ARE TO SCALE AS NOTED IF 1/4" PRINTS ARE ONE HALF THE NOTED SCALE

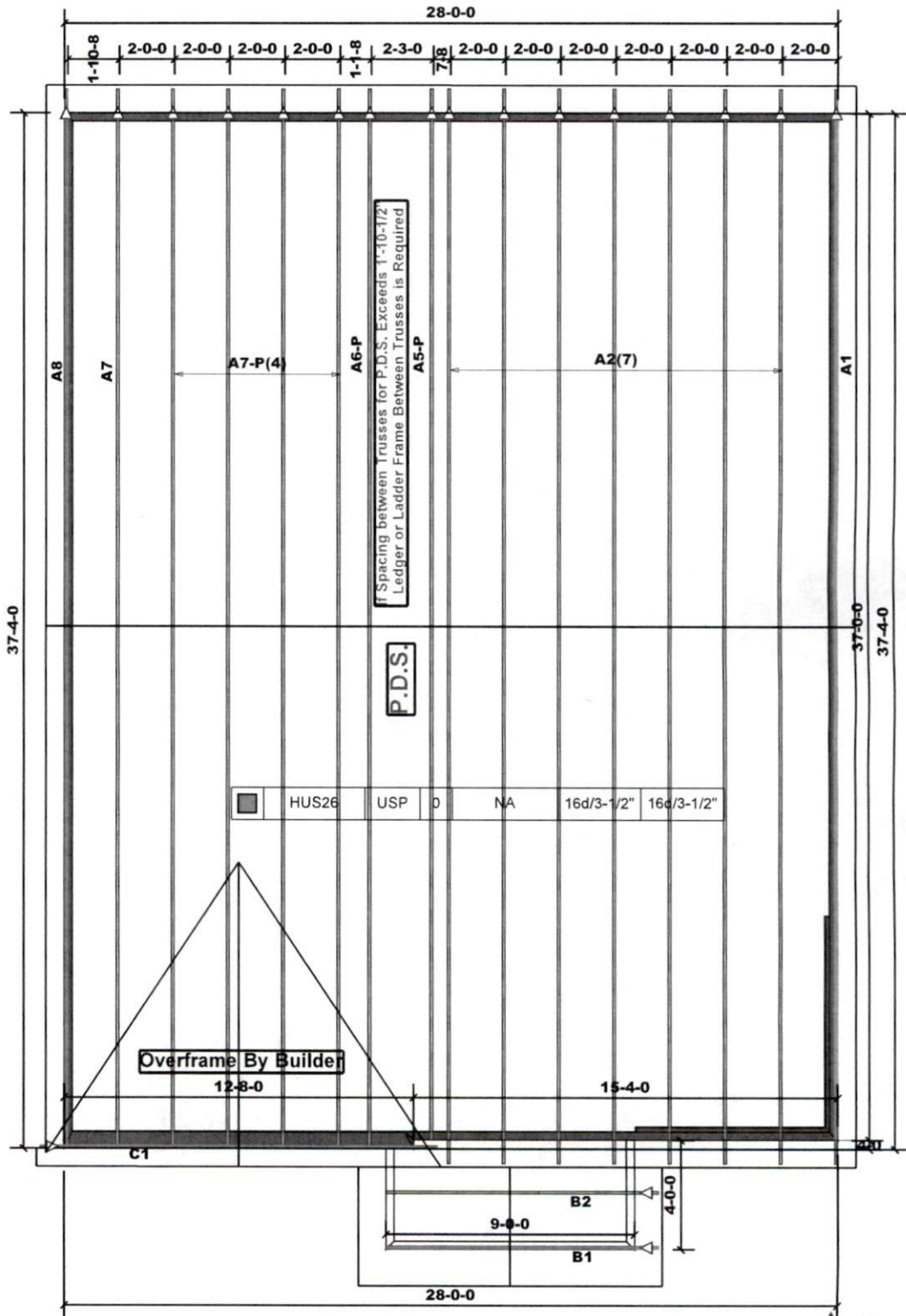


130 MPH - 130 MPH ULTIMATE DESIGN WIND SPEED
STANDARD STRUCTURAL NOTES



7/22/19

STRUCTURAL NOTES



Truss Placement Plan
SCALE: NTS

▲ = Indicates Left End of Truss
(Reference Engineered Truss Drawing)
Do NOT Erect Truss Backwards

LOAD CHART FOR JACK STUDS

BASED ON TABLE 1001.1-1 (1)

NUMBER OF JACK STUDS REQUIRED IS A FUNCTION OF

HEIGHT

1700	2950	3400
3400	5100	6800
5100	7600	10100
6800	10200	13000
8500	12700	17000
10200	15300	
11900		
13600		
15300		

BUILDER	H&H Homes
JOB NAME	
PLAN	Engage A
SEAL DATE	
QUOTE #	
JOB #	

COUNTY	
ADDRESS	
MODEL	
DATE REV.	
DRAWN BY	
SALESMAN	Marshall Naylor

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY.

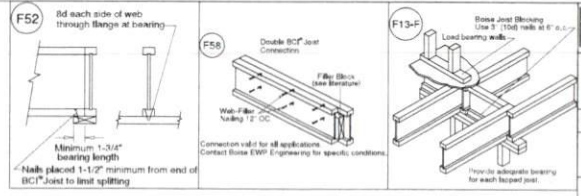
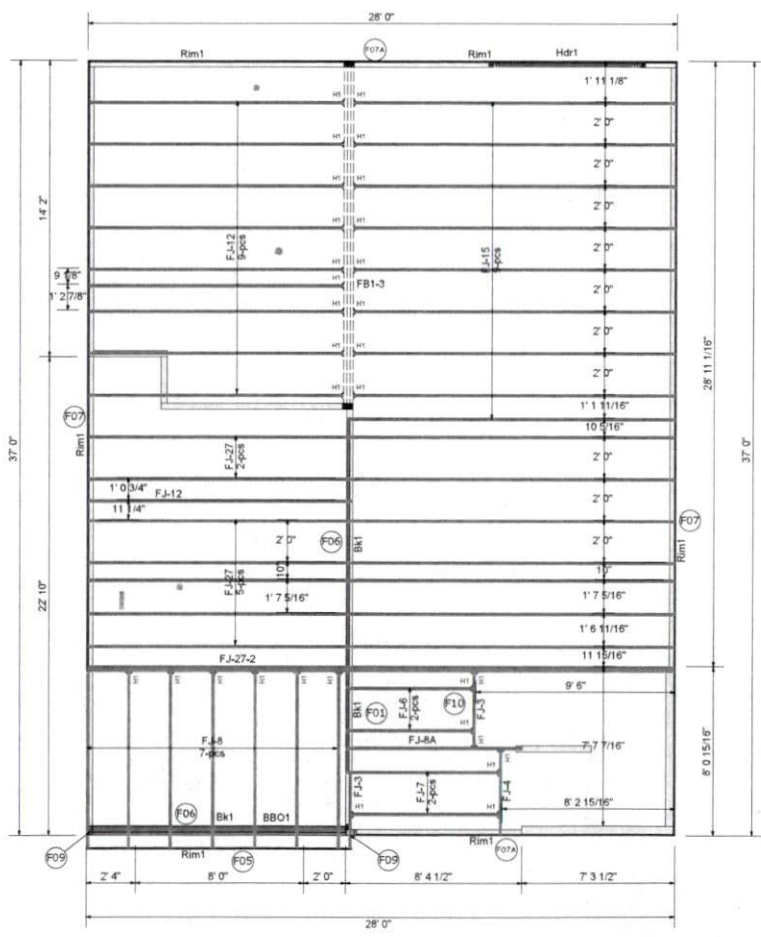
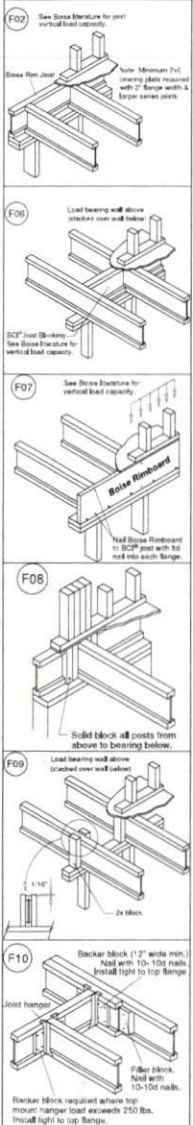
These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design charts for each truss design identified on this placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult AISI S308 and AISI S308-1 provided with the truss delivery package under #308000000000.

Roofing reactions less than or equal to 1000lb are allowed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables 1 derived from the prescriptive Code requirements. To determine the minimum foundation size and number of wood studs required to support reactions greater than those but not greater than 15000lb. A registered design professional shall be retained to design the support system for any reactions that exceed those related to the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 15000lb.

Signature: Marshall Naylor

comtech
ROOF & FLOOR
TRUSSES & BEAMS

Reilly Road Industrial Park
Fayetteville, N.C. 28309
Phone: (910) 864-8787
Fax: (910) 864-4444



Products					
PlotID	Length	Product	Plies	Net Qty	
FJ-27	27' 10"	14" BCI@ 4500s-18	1	7	
FJ-27-2	27' 10"	14" BCI@ 4500s-18	2	2	
FJ-15	15' 7"	14" BCI@ 4500s-18	1	1	
FJ-15	15' 3 3/4"	14" BCI@ 4500s-18	1	5	
FJ-15	15' 3 1/2"	14" BCI@ 4500s-18	1	3	
FJ-12	12' 6 1/2"	14" BCI@ 4500s-18	1	1	
FJ-12	12' 1 1/4"	14" BCI@ 4500s-18	1	9	
FJ-8A	8' 4 3/4"	14" BCI@ 4500s-18	1	1	
FJ-8	8' 4 1/2"	14" BCI@ 4500s-18	1	7	
FJ-7	7' 3 1/2"	14" BCI@ 4500s-18	1	1	
FJ-7	7' 0"	14" BCI@ 4500s-18	1	1	
FJ-6	6' 0 1/4"	14" BCI@ 4500s-18	1	2	
FJ-4	4' 0"	14" BCI@ 4500s-18	1	1	
FJ-3	3' 6 3/4"	14" BCI@ 4500s-18	1	1	
FJ-3	3' 6 1/4"	14" BCI@ 4500s-18	1	1	
FB1-3	18' 0"	1-3/4" x 14" VERSA-LAM@ 2.0 3100 SP	3	3	
Rim1	12' 0"	1" x 14" BC RIM BOARD OSB	1	11	
Bk1	2' 0"	14" BCI@ 4500s-18	1	14	

Wall Framing					
PlotID	Length	Product	Plies	Net Qty	
Hdr1	8' 0"	1-3/4" x 9-1/4" VERSA-LAMB 2.0 3100 SP	2	2	

Hangers			
PlotID	Qty	Manuf	Product
HI	31	Simpson	IUS 1.81/14

Builders FirstSource
Boise Cascade
Engineered Wood Products
www.BLDR.com

1135 Robeson St.
Fayetteville, NC 28305
V (910) 485-1111
F (910) 485-6475

7601 BOEING DRIVE
GREENSBORO, NC 27409
V: 336.884.5454

3189 NC HIGHWAYS
ABERDEEN, NC 28315
V: 910.944.2516

This layout and associated materials list has been prepared based on project plans and/or information provided to Builders FirstSource (BFS). It remains the responsibility of the builder, architect, designer, or other responsible persons to review this information to assure that it is appropriate, accurate, complete and complies with applicable building codes.

GENERAL NOTES

- 1) READ THE INSTALLATION GUIDE BEFORE FRAMING.
- 2) ALL WALL SHEATHING LOAD BEARINGS UNLESS NOTED OTHERWISE WALLS NOT SHOWN HAVE BEEN CONSIDERED NON-LOAD BEARING.
- 3) UNLESS STATED OTHERWISE ALL CEILING & ROOF LOADS BEARING WALLS SUPPORTED BY FOUNDATION BEARING WALLS SUPPORTED BY FOUNDATION FIRSTSOURCE LOCATION BEFORE MAKING ANY ALTERATION & ADJUSTMENTS. FAILURE MAY RESULT IN COSTLY REPAIRS.

H & H HOMES
ENGAGE-A GL
2nd FLOOR EWP PLACEMENT PLAN
Builders FirstSource, Central Carolina Markets
DRAWN BY: LEE ATRING
DATE: 3-30-18
SCALE: NTS
JOB #

MINIMUM DESIGN DATA
LIVE LOAD: 40 PSF
DEAD LOAD: 10 PSF

TOTAL LOAD 50 PSF
STRESS DURATION = 100%
DEFLECTION CRITERIA L/480 (MINIMUM)

ARCHITECTURAL PLAN DATE 11-16-17
REVISED ARCH. PLAN DATE XX-XX-XX
SEALED PLAN DATE 12-22-17

Sheet
1 of 1