

LOT 40 WATSON RIDGE
INVENTORY MARKED

05/30/2025 Selections Notes Added

WAYFARE
DREAM FINDERS HOMES

PLAN REVISIONS

REVISIONS CONTINUED..

12-23-19 REMOVED GLASS INSERTS AND REMOVED ACCENTS FROM GARAGE DOOR FOR H4H STANDARDS.
CHANGE FIREPLACE FROM STD TO OPTIONAL.
VERIFY GOURMENT KITCHEN LAYOUT WITH DBL OVEN OPTION.
REMOVE KITCHEN, BATHROOM, AND LAUNDRY FLOOR HATCHING FROM PLANS.

02-18-20 UPDATED DIMENSIONS FOR PAD AND PATIO.
CHANGED WASHER, DRYER, AND REFRIGERATOR TO OPTIONAL COMPONENTS.
CREATED CUTSHEETS.
CHANGE LOCATIONS OF HOSE BIBBS TO BE ON HEATED WALLS.
VERIFY HDR HGTS ARE AT LEAST 1'-0".
VERIFIED MASTER'S WAS CHANGED TO OWNER'S.
CHANGED 2X4 WALL AT REAR GARAGE WALL TO 2X6.
REMOVED FLOOD LIGHTS AND SWITCHES/WIRING AT REAR.
VERIFIED ALL LOCATION FOR COACH LIGHTS WERE MARKED W/ SWITCHES.
ADDED ROOF VENT CALCULATIONS.
ADDED THERMOSTAT TO FIRST FLOOR ELECTRICAL PLAN.
DIMENSIONS CEILING FAN IN GATHERING ROOM ON ELECTRICAL PLAN.
UPDATED FOR NC RC 2018 AND SC IRC 2018.
VERIFIED VENTILATION REQMTS AT OWNER'S BEDROOM, ADDED 3/0X5/0 WINDOW ON SIDE WALL.
ADDED INSULATION INFORMATION ON PLANS

04-01-20 REMOVED HANSEN BOX AND DRYER VENT.
CAFE WAS CHANGED TO CASUAL DINING, GATHERING WAS CHANGED TO FAMILY AND FLEX ROOM
WAS CHANGED TO STUDY.
CREATED NEW SHEETS FOR FIRST FLOOR PLAN AND SECOND FLOOR PLAN OPTIONS.
UPDATED CUTSHEETS.
ADDED (2) HOSE BIBBS RIGHT AND LEFT SIDE OF THE HOUSE.
CHANGED 2X4 WALL AT LEFT GARAGE WALL TO 2X6.
REMOVED OUTLETS, PHONES AND TV'S FROM ELECTRICAL PLANS.
ADDED CARBON MONOXIDE DETECTOR AT BEDROOMS .
CREATED ELEVATION FARMHOUSE 'B'.
CREATED ELEVATION ARTS AND CRAFTS 'D'.
CHANGED CORNER BOARDS ON ELEVATIONS TO BE 1X4 TRIM BOARD.
SHOWED COACH LIGHTS ON ELEVATIONS.
ADDED DIAGONAL DIMENSIONS ON SLAB INTERFACE PLAN.
REVISED ROOM DIMENSIONS FOR THE FOLLOWING ROOMS:
GARAGE WAS 20'-0"X20'-0", NOW 19'-10"X20'-0"
STUDY WAS 10'-0"X13'-6", NOW 10'-0"X13'-4"
FAMILY ROOM WAS 11'-0"X16'-6", NOW 11'-0"X16'-4"
REVISED FRONT GARAGE AND LIVING AREAS:
LIVING AT FIRST FLOOR PLAN WAS 959 SF, NOW 962 SF
LIVING AT SECOND FLOOR PLAN WAS 1318 SF AT ELEVATION A AND 1314 AT ELEVATION C, NOW 1310 SF AT BOTH ELEVATIONS.
2 CAR GARAGE WAS 413 SF, NOW 411 SF.
CREATED LEFT HAND GARAGE VERSION.
REMOVED ELEVATION C.
REMOVED FIRST STEP AT FIRST FLOOR AND ADDED IT TO SECOND FLOOR. UPDATED SQ. FT. LOG.
TO ELIMINATE SQ. FT. ROUNDING. FIRST FLOOR WAS 962 SF, NOW 961 SF. SECOND FLOOR WAS 1310 SF, NOW 1306 SF. 2 CAR GARAGE WAS 411 SF, NOW 410 SF. PORCH AT ELEV. D WAS 115 SF, NOW 114 SF.
CHANGED SHUTTERS TO BE 14" WIDE.
CHANGED THE 2/8 DOOR AT THE POWDER ROOM AND BATH 3 TO A 2/6 DOOR.

04-08-20 ADDED WINDOW SCHEDULE TO PLAN
CHANGED 1X10 TRIM ON ALL ELEVATIONS TO 1X8 TRIM
FIXED PORCHES TO KEEP COLUMNS FROM OVERHANGING CONCRETE
REMOVED COLUMN BASE FROM ELEVATION B AND MADE COLUMN FULL HEIGHT.
RESIZED FRONT PORCH OF ELEVATION B. PREVIOUSLY, 106 SQ FT NOW 111 SQ. FT.
REMOVED COLUMN BASE FROM ELEVATION C AND MADE COLUMN FULL HEIGHT AND 8" SQUARE.
RESIZED FRONT PORCH OF ELEVATION D. PREVIOUSLY, 114 SQ. FT. NOW 104 SQ. FT.
CREATED NEW DECORATIVE DETAIL FOR ELEVATION B
CREATED DECORATIVE BRACKET AT ELEVATION D
CHANGED CAP ON COLUMNS FOR ELEVATION A TO MATCH COLUMNS ON ELEVATION B 4
ELEVATION D
CHANGED ALL TRIM AROUND WINDOWS, EXTERIOR DOOR, 4 GARAGE DOOR TO 1X4 W/ J-CHANNEL
RESIZED FRONT PORCH OF ELEVATION A. PREVIOUSLY, 60 SQ. FT. NOW 63 SQ. FT.
CHANGED GARAGE WALL FROM 2X6 TO 2X4. GARAGE WALL BETWEEN GARAGE AND FAMILY ROOM/FOYER MOVED 2" TOWARDS FAMILY ROOM TO MAKE GARAGE LARGER, PREVIOUSLY GARAGE SQ FT 210 UPDATED 213 SQ. FT.
RELOCATED CONDUIT TO GO FROM ISLAND TO CLOSEST EXTERIOR WALL
CHANGED LINEN DOOR FROM 2/6 BIFOLD TO 2/8 STD.
CHANGED COAT CLOSET DOOR FROM 2/6 BIFOLD TO 2/6 STD.
CHANGED OWNER'S BATH LINEN CLOSET FROM 2/6 BIFOLD TO 2/6 STD.
CHANGED UPSTAIRS LINEN CLOSET FROM 2/6 BIFOLD TO 2/8 STD.
CHANGED BED 2 CLOSET DOOR FROM 2/6 BIFOLD TO 2/6 STD.
CHANGED BED 3 CLOSET DOOR FROM 2/6 BIFOLD TO 2/6 STD.
CHANGED BED 4 CLOSET DOOR FROM 2/6 BIFOLD TO 2/6 STD.
CHANGED BED 5 CLOSET DOOR FROM 2/6 BIFOLD TO 2/6 STD.

12-01-22 ADDED ELEVATION D2 SHOWING BRICK COLUMN AND D3 SHOWING STONE COLUMN.
ADDED SQUARE FOOTAGE BLOCK FOR D2 AND D3 ELEVATIONS.
VERIFIED AND UPDATED THE SF AS FOLLOWS:
FIRST FLOOR SF WAS 961 , NOW IT IS 958
TOTAL SF WAS 2267, NOW IT IS 2266
UPDATED GARAGE DOOR WALL OF 1 CAR CARRIAGE GARAGE TO 2X6
UPDATED GARAGE DOOR WALL OF GARAGE TO 2X6
VERIFIED AND UPDATED OPTIONAL OWNER'S BATH 2 4 3 LAYOUTS

04-03-23 MOVE LINEN CLOSET WALL 2" IN OWNER'S BATH FOR VANITY CABINET
CHANGED WINDOW HEADER HEIGHT ON SECOND FLOOR TO 1'-1"
ADDED (6) OPTIONAL LED CAN LIGHTS IN KITCHEN (06-15-23)
DOOR FOR BATH 3 IN "OPT. BEDROOM 4 W/ BATH 3 ILO STUDY AND POWDER ROOM" CHANGED FROM 2'6" TO 2'4" (01-11-23)
CHANGED ROOF PITCH ON ELEV. B TO MATCH REST OF PLAN B (10-18-23)
CHANGED TYPO ON GARAGE LEFT TITLE TO READ GL INSTEAD OF GR (10-18-23)
UPDATED SQ FOOTAGE TABLE TO INCLUDE MISSING OPTIONAL PATIO (08-05-24)

10-30-24 FIRST FLOOR CEILING HEIGHT CHANGED FROM 8'-0" TO 9'-0"
OPTIONAL COVERED PATIO CREATED

SQUARE FOOTAGE	
HEATED AREAS	ELEV 'A'
FIRST FLOOR	958 SQ. FT.
SECOND FLOOR	1306 SQ. FT.
TOTAL HEATED SF	2266 SQ. FT.
UNHEATED AREAS	
2-CAR GARAGE	413 SQ. FT.
COVERED AREAS	
FRONT PORCH	63 SQ. FT.
UNCOVERED AREAS	
PAD	16 SQ. FT.
OPT COVERED PATIO	80 SQ. FT.
HEATED OPTIONS	
OPT BEDRM. 4 W/ BATH 3	0 SQ. FT.
OPTIONAL BEDRM. 5 I.L.O. LOFT	0 SQ. FT.
UNHEATED OPTIONS	
OPTIONAL 1-CAR GARAGE	240 SQ. FT.

SQUARE FOOTAGE	
HEATED AREAS	ELEV 'B'
FIRST FLOOR	958 SQ. FT.
SECOND FLOOR	1306 SQ. FT.
TOTAL HEATED SF	2266 SQ. FT.
UNHEATED AREAS	
2-CAR GARAGE	413 SQ. FT.
COVERED AREAS	
FRONT PORCH	111 SQ. FT.
UNCOVERED AREAS	
PAD	16 SQ. FT.
OPT COVERED PATIO	80 SQ. FT.
HEATED OPTIONS	
OPT BEDRM. 4 W/ BATH 3	0 SQ. FT.
OPTIONAL BEDRM. 5 I.L.O. LOFT	0 SQ. FT.
UNHEATED OPTIONS	
OPTIONAL 1-CAR GARAGE	240 SQ. FT.

SQUARE FOOTAGE	
HEATED AREAS	ELEV 'D'
FIRST FLOOR	958 SQ. FT.
SECOND FLOOR	1306 SQ. FT.
TOTAL HEATED SF	2266 SQ. FT.
UNHEATED AREAS	
2-CAR GARAGE	413 SQ. FT.
COVERED AREAS	
FRONT PORCH	104 SQ. FT.
UNCOVERED AREAS	
PAD	16 SQ. FT.
OPT COVERED PATIO	80 SQ. FT.
HEATED OPTIONS	
OPT BEDRM. 4 W/ BATH 3	0 SQ. FT.
OPTIONAL BEDRM. 5 I.L.O. LOFT	0 SQ. FT.
UNHEATED OPTIONS	
OPTIONAL 1-CAR GARAGE	240 SQ. FT.

SQUARE FOOTAGE	
HEATED AREAS	ELEV 'D2
FIRST FLOOR	958 SQ. FT.
SECOND FLOOR	1306 SQ. FT.
TOTAL HEATED SF	2266 SQ. FT.
UNHEATED AREAS	
2-CAR GARAGE	413 SQ. FT.
COVERED AREAS	
FRONT PORCH	104 SQ. FT.
UNCOVERED AREAS	
PAD	16 SQ. FT.
OPT COVERED PATIO	80 SQ. FT.
HEATED OPTIONS	
OPT BEDRM. 4 W/ BATH 3	0 SQ. FT.
OPTIONAL BEDRM. 5 I.L.O. LOFT	0 SQ. FT.
UNHEATED OPTIONS	
OPTIONAL 1-CAR GARAGE	240 SQ. FT.

SQUARE FOOTAGE	
HEATED AREAS	ELEV 'D3'
FIRST FLOOR	958 SQ. FT.
SECOND FLOOR	1306 SQ. FT.
TOTAL HEATED SF	2266 SQ. FT.
UNHEATED AREAS	
2-CAR GARAGE	413 SQ. FT.
COVERED AREAS	
FRONT PORCH	104 SQ. FT.
UNCOVERED AREAS	
PAD	16 SQ. FT.
OPT COVERED PATIO	80 SQ. FT.
HEATED OPTIONS	
OPT BEDRM. 4 W/ BATH 3	0 SQ. FT.
OPTIONAL BEDRM. 5 I.L.O. LOFT	0 SQ. FT.
UNHEATED OPTIONS	
OPTIONAL 1-CAR GARAGE	240 SQ. FT.

ISSUANCE OF PLANS FROM THIS DRAFTER'S OFFICE SHALL NOT RELIEVE THE BUILDER OF RESPONSIBILITY TO REVIEW AND VERIFY ALL NOTES, DIMENSIONS, AND ADHERENCE TO APPLICABLE BUILDING CODES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.
ANY DISCREPANCY OF ERROR IN NOTES, DIMENSIONS, OR ADHERENCE TO APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFTER'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 ADDITIONAL FEES.
IF ANY MODIFICATIONS ARE MADE TO THESE PLANS BY ANY OTHER PARTY OTHER THAN THE DRAFTER'S OFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.



JOB NUMBER	B-1815881*
CAD FILE NAME	WAYFARE-R
ISSUED	11-08-17
REVISED	11-16-17
	02-18-20
	04-01-20
	04-08-20
	12-01-22
	04-03-23
	10-30-24

DRAWINGS ON 11"x11" SHEET ARE ONE HALF THE SCALE NOTED

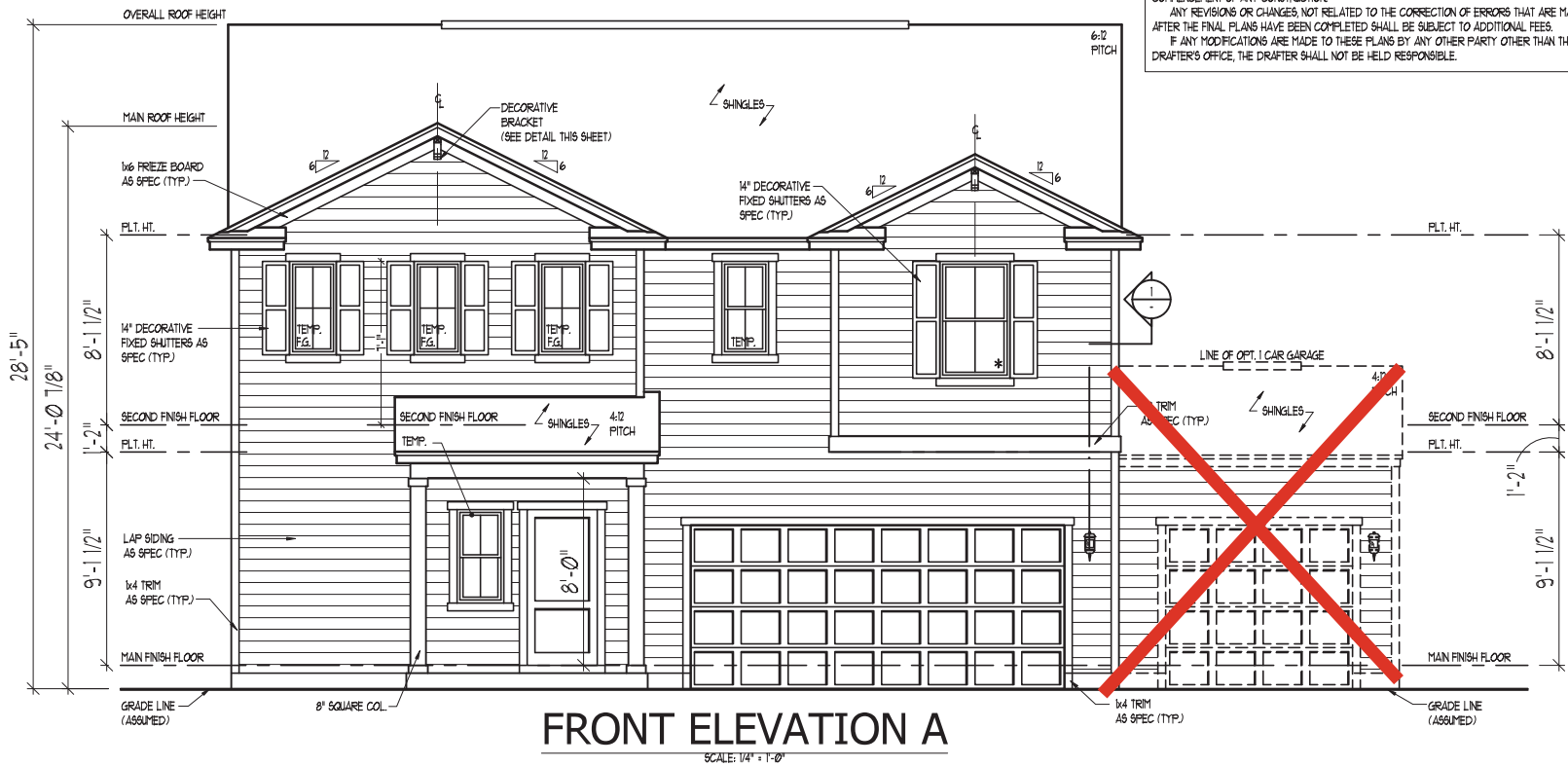
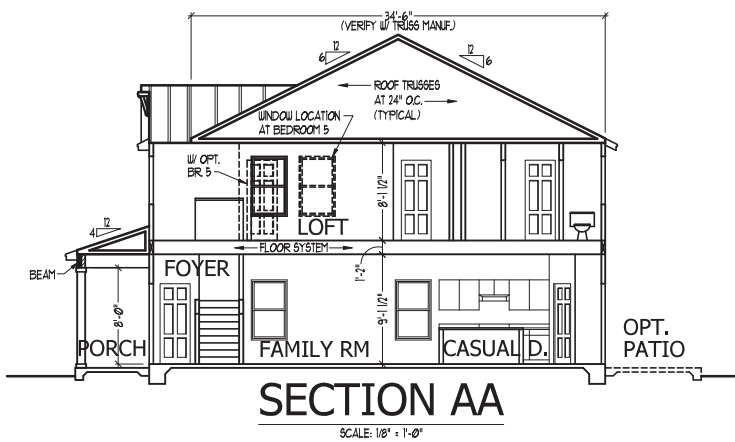
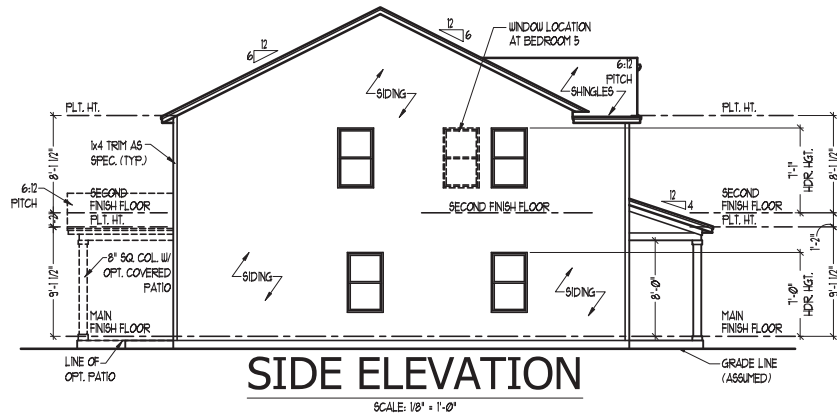
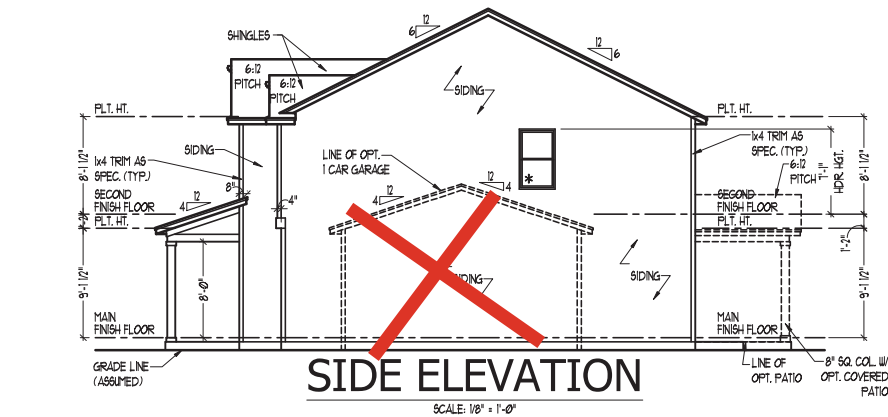
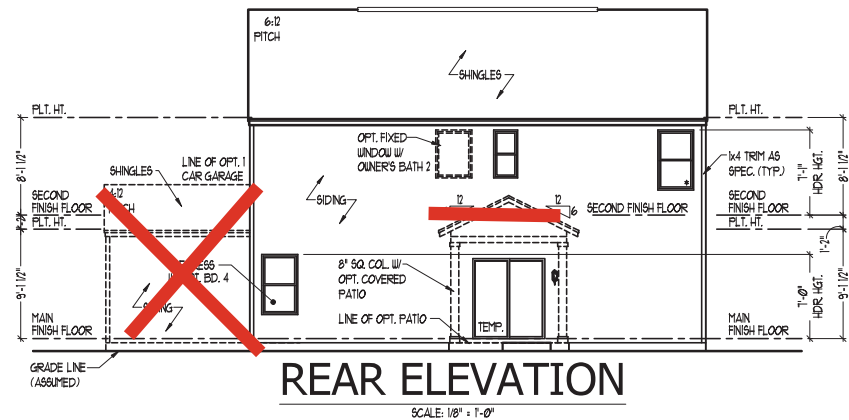
WAYFARE (Garage Right)
DREAM FINDERS HOMES

2277

TITLE
REVISION LOG

SHEET
CS

LOT 40 WATSON RIDGE



TOTAL UNDER ROOF AREA: 1377 SQ. FT.

VENTING AREA REQUIRED: 1377 SQ. FT. / 300 = 4.59 SQ. FT.

TOTAL REQUIREMENTS: LOWER: 2.29 UPPER: 2.29

LOWER AREA VENTING

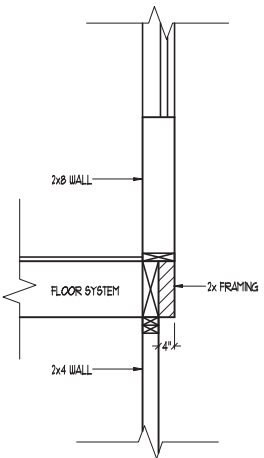
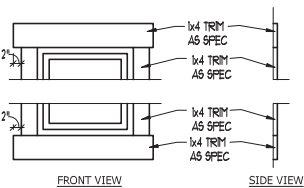
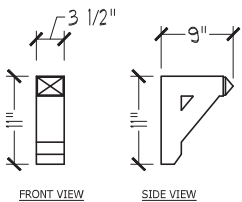
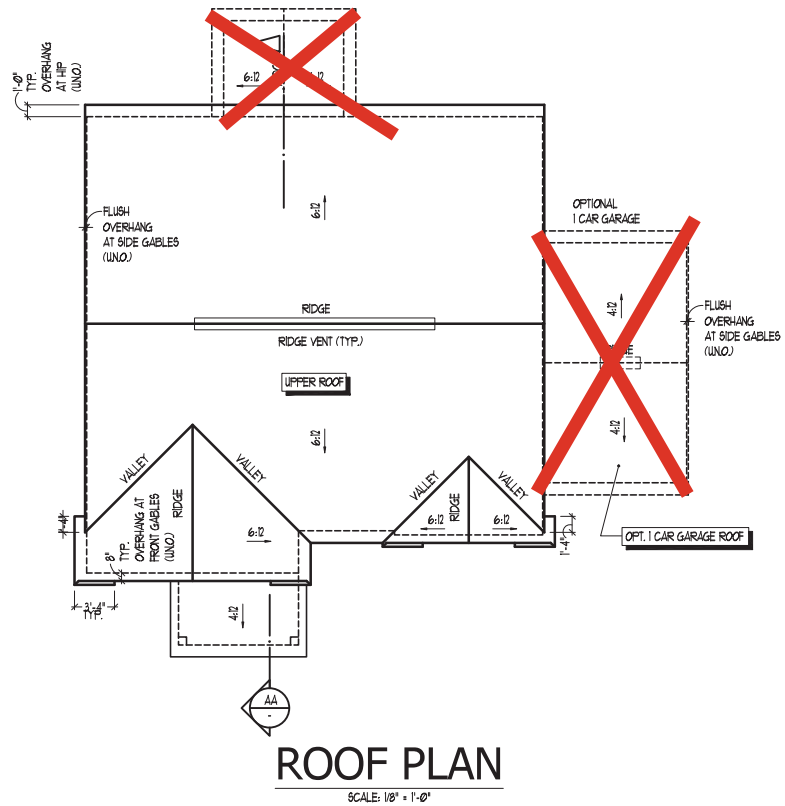
SOFFIT VENT	SIZE:	PER UNIT:	# UNITS:	PROVIDED:
	-	.041 SF/LF	65'-5"	2.68
LOWER AREA VENTING PROVIDED:				-

UPPER AREA VENTING

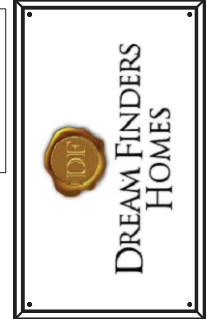
RIDGE VENT	SIZE:	PER UNIT:	# UNITS:	PROVIDED:
	-	.125 SF/LF	20'-0"	2.50
UPPER AREA VENTING PROVIDED:				-

TOTAL AREA PROVIDED

SOFFIT AND RIDGE VENT	5.18
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	04-08-20
	12-01-22
	04-03-23
	10-30-24

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

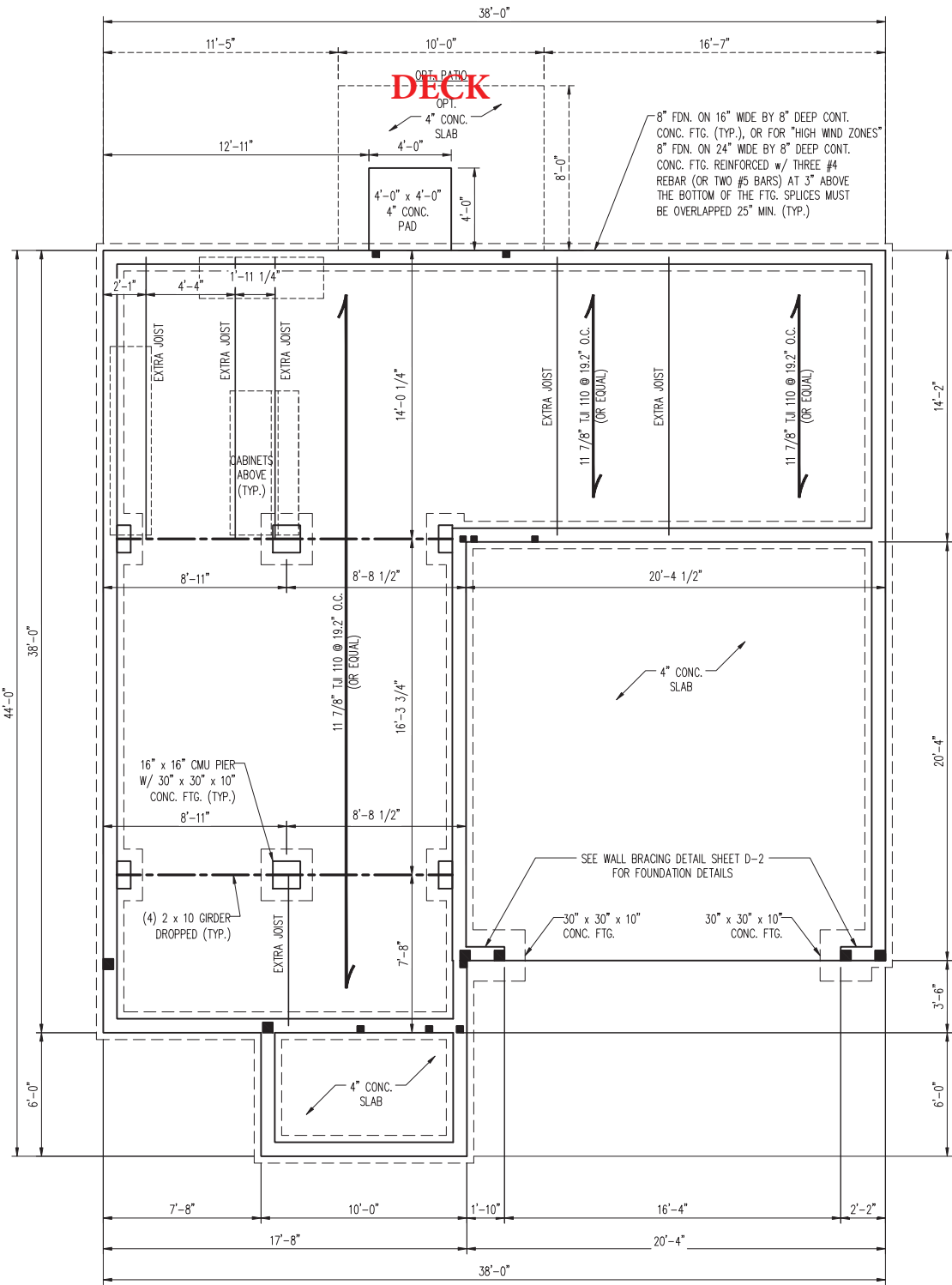
WAYFARE (Garage Right)
DREAM FINDERS HOMES

2277

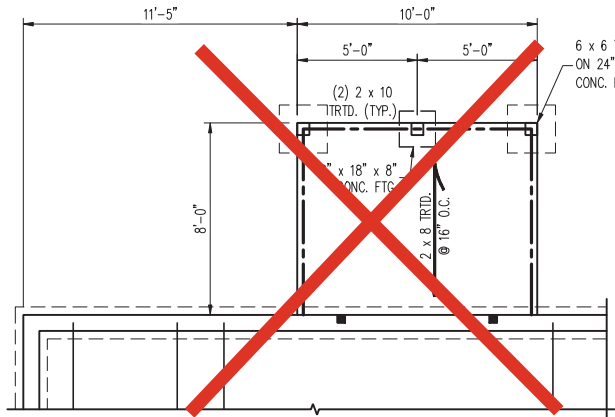
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FRONT ELEVATION
DETAILS

SHEET
A3.0

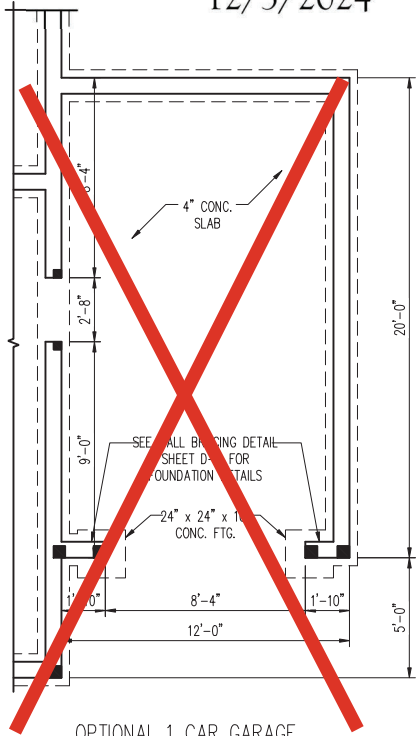
ELEVATIONS, ROOF PLAN &
SECTION - TRADITIONAL A



ELEVATION A



OPTIONAL COVERED PATIO



OPTIONAL 1 CAR GARAGE

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

NOTE: BCI 4500s-1.8 JOISTS MAY BE INSTALLED IN LIEU OF TJI 110 JOISTS AT THE DEPTH AND SPACING INDICATED ON THE PLAN

STRUCTURAL NOTES:

- ALL FRAMING LUMBER TO BE #2 SPF (UNO). ALL TREATED LUMBER TO BE #2 SYP (UNO.)
- INSTALL AN EXTRA OR DOUBLE JOIST UNDER WALLS PARALLEL TO FLOOR JOISTS WHERE NOTED ON THE PLANS.
- SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION.
- SHADED PIERS TO BE FILLED SOLID.
- INSTALL LADDER WIRE @ 16" O.C. TO SECURE MULTIPLE WYTHE FOUNDATION WALLS TOGETHER.
- REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

LEGEND

CONT	CONTINUOUS
XJ	EXTRA JOIST
DJ	DOUBLE JOIST
TJ	TRIPLE JOIST
EA	EACH
FDN	FOUNDATION
FTG	FOOTING
OC	ON CENTER
SPF	SPRUCE PINE FIR
SYP	SOUTHERN YELLOW PINE
TRTD	PRESSURE TREATED
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE

120 MPH ULTIMATE DESIGN WIND SPEED
NOTES FOR LESS THAN
30' MEAN ROOF HEIGHT:

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM.
- STRUCTURAL DESIGN PER NORTH CAROLINA RESIDENTIAL CODE, 2024 EDITION.
- INSTALL 1/2" ANCHOR BOLTS 6'-0" O.C. AND WITHIN 1'-0" FROM END OF EACH CORNER. ANCHOR BOLTS MUST EXTEND A MINIMUM OF 7" INTO MASONRY OR CONCRETE. LOCATE BOLT WITHIN MIDDLE THIRD OF PLATE WIDTH.
- MEAN ROOF HEIGHT IS LESS THAN 30 FEET.
- EXTERIOR WALLS DESIGNED FOR 120 MPH WINDS.
- ROOF AND WALL CLADDING DESIGNED FOR WIND PRESSURES PER TABLE R301.2(1) OF THE 2024 NRC.
- INSTALL 7/16" OSB SHEATHING ON ALL EXTERIOR WALLS OF ALL STORIES IN ACCORDANCE WITH SECTION R602.10 OF THE NRC, 2024 EDITION. SEE THE WALL BRACING NOTES AND DETAILS SHEET FOR MORE INFORMATION.
- ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 11 OF THE NRC, 2024 EDITION.
- REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

130 MPH ULTIMATE DESIGN WIND SPEED
NOTES FOR LESS THAN 30' MEAN
ROOF HEIGHT:

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM.
- STRUCTURAL DESIGN PER NORTH CAROLINA RESIDENTIAL CODE, 2024 EDITION.
- INSTALL 1/2" ANCHOR BOLTS 4'-0" O.C. AND WITHIN 1'-0" FROM END OF EACH CORNER. ANCHOR BOLTS MUST EXTEND A MINIMUM OF 15" INTO MASONRY OR 7" INTO CONCRETE. LOCATE BOLT WITHIN MIDDLE THIRD OF PLATE WIDTH.
- MEAN ROOF HEIGHT IS LESS THAN 30 FEET.
- EXTERIOR WALLS DESIGNED FOR 130 MPH WINDS.
- ROOF AND WALL CLADDING DESIGNED FOR WIND PRESSURES PER TABLE R301.2(1) OF THE 2024 NRC.
- INSTALL 7/16" OSB SHEATHING ON ALL EXTERIOR WALLS OF ALL STORIES IN ACCORDANCE WITH SECTION R602.10 OF THE NRC, 2024 EDITION. SEE THE WALL BRACING NOTES AND DETAILS SHEET FOR MORE INFORMATION.
- ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 11 OF THE NRC, 2024 EDITION.
- REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

150 MPH ULTIMATE DESIGN WIND SPEED
NOTES FOR LESS THAN
30' MEAN ROOF HEIGHT:

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM.
- STRUCTURAL DESIGN PER NORTH CAROLINA RESIDENTIAL CODE, 2024 EDITION WITH SPECIAL CONSIDERATION TO CHAPTER 45 ("HIGH WIND ZONES" FOR 150 MPH WINDS).
- BUILDER IS TO PROVIDE FRAMING CONNECTIONS AS REQUIRED BY CHAPTER 45 ("HIGH WIND ZONES" FOR 150 MPH WINDS) OF THE NORTH CAROLINA RESIDENTIAL CODE, 2024 EDITION.
- FOUNDATION ANCHORAGE TO COMPLY WITH SECTION 4504 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2024 EDITION.
- MEAN ROOF HEIGHT IS LESS THAN 30 FEET.
- ROOF AND WALL CLADDING DESIGNED FOR WIND PRESSURES PER TABLE R301.2(1) OF THE 2024 NRC.
- 7/16" OSB SHEATHING IS REQUIRED ON ALL EXTERIOR WALLS.
- WALLS TO BE BRACED IN ACCORDANCE WITH CHAPTER 45 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2024 EDITION AND AS NOTED ON PLANS.
- ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 11 OF THE NRC, 2024 EDITION.

J.S. THOMPSON
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333 EAST SIX FORKS ROAD, SUITE 180 RALEIGH, NC 27609
PHONE: (919) 7899919 FAX: (919) 7899921
N.C. LICENSE NO.: C1733

WAYFARE
DREAM FINDERS HOMES

DATE: DECEMBER 2, 2024

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

DRAWN BY: PURL HOMES

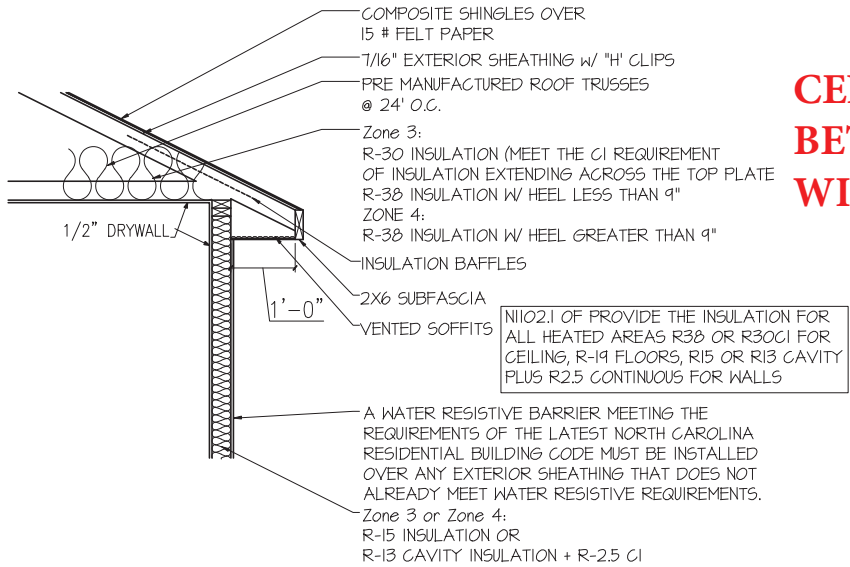
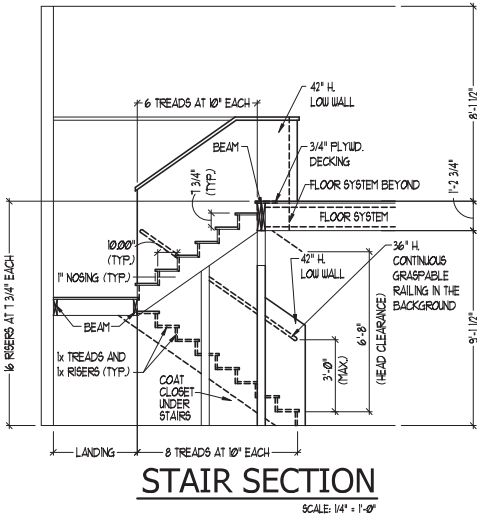
ENGINEERED BY: WFB

SHEET: 1 OF 12

S-1.1a
CRAWL
FOUNDATION PLAN

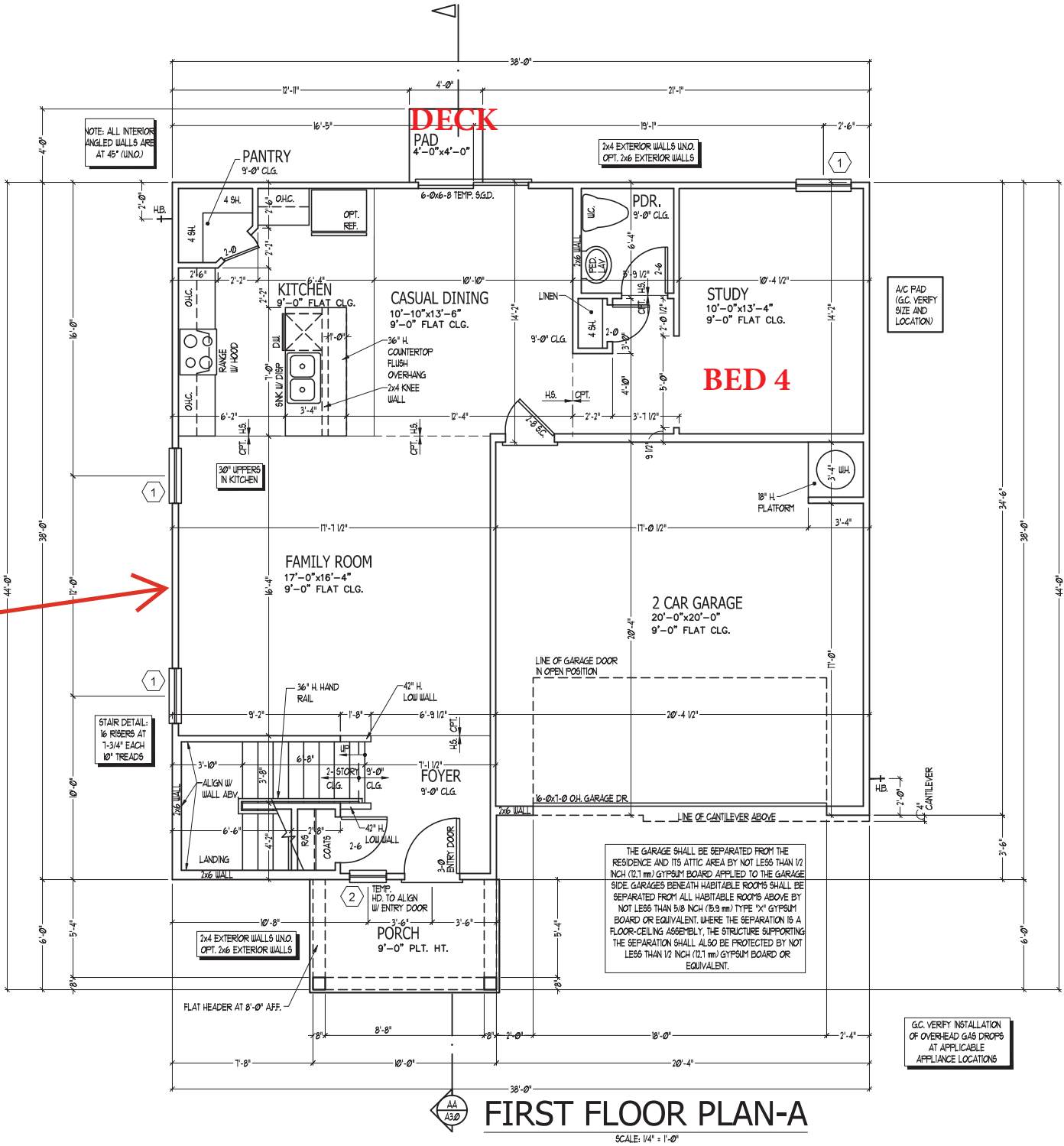
WINDOW SCHEDULE				
MARK	SIZE		TYPE	HEAD HEIGHT
	WIDTH	HEIGHT		
1	3'0"	5'0"	SINGLE HUNG	7'0"
2	2'0"	4'0"	SINGLE HUNG	7'0"
3	3'0"	4'0"	FIX	7'0"
4	2'0"	4'0"	FIX	7'0"
SEE PLAN FOR NOTES ON EGRESS, TEMP., & ETC.				

* * * * *
STAIR NOTES:
RAILING
BALUSTERS SHALL BE SPACED SO THAT A 4" SPHERE CANNOT PASS THROUGH.
THE TRIANGULAR OPENINGS FORMED BY THE RISER TREAD AND BOTTOM RAIL OF A GUARD AT THE OPEN SIDE OF A STAIRWAY ARE PERMITTED TO BE A SUCH A SIZE THAT A SPHERE OF 6 INCHES CANNOT PASS THROUGH.
OPENINGS FOR REQUIRED GUARDS ON THE SIDES OF STAIR TREADS SHALL NOT ALLOW A SPHERE 4 3/8 INCHES TO PASS THROUGH.
HANDRAILS HANDRAILS FOR STAIRWAYS SHALL BE CONTINUOUS FOR THE FULL LENGTH OF THE FLIGHT, FROM A POINT DIRECTLY ABOVE THE TOP RISER OF THE FLIGHT, TO A POINT DIRECTLY ABOVE THE LOWEST RISER. HANDRAIL ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS. HANDRAILS ADJACENT TO A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1-1/2 INCH BETWEEN THE WALL AND HANDRAILS.
CONTINUOUS GRASPABLE HANDRAIL MUST MEET TYPE ONE OR TYPE TWO CRITERIA
* * * * *



CENTER FIREPLACE
BETWEEN
WINDOWS

SQUARE FOOTAGE	
HEATED AREAS	ELEV 'A'
FIRST FLOOR	958 SQ. FT.
SECOND FLOOR	1306 SQ. FT.
TOTAL HEATED SF	2266 SQ. FT.
UNHEATED AREAS	
2-CAR GARAGE	413 SQ. FT.
COVERED AREAS	
FRONT PORCH	63 SQ. FT.
UNCOVERED AREAS	
PAD	16 SQ. FT.
OPT COVERED PATIO	80 SQ. FT.
HEATED OPTIONS	
OPT BEDRM, 4 W/ BATH 3	0 SQ. FT.
OPTIONAL BEDRM, 5 I.L.O., LOFT	0 SQ. FT.
UNHEATED OPTIONS	
OPTIONAL 1-CAR GARAGE	240 SQ. FT.



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JOB NUMBER	B-1815881*
CAD FILE NAME	WAYFARE-R
ISSUED	11-08-17
REVISION	11-16-17
	02-18-20
	04-01-20
	04-08-20
	12-01-22
	04-03-23
	10-30-24

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

WAYFARE (Garage Right)
DREAM FINDERS HOMES

2277

TITLE
MAIN FLOOR PLAN
STAIR SECTION

SHEET
A2.0

ELEVATION A
FIRST FLOOR PLAN

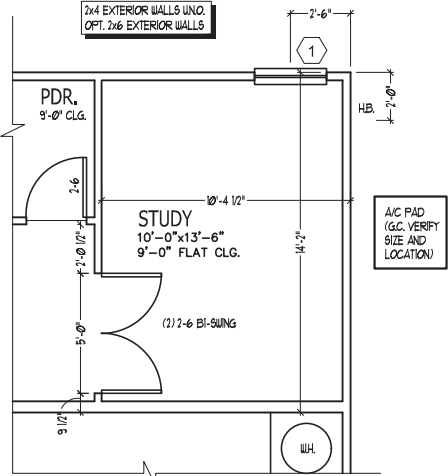
WINDOW SCHEDULE				
MARK	SIZE		TYPE	HEAD HEIGHT
	WIDTH	HEIGHT		
1	3'0"	5'0"	SINGLE HUNG	7'0"
2	2'0"	4'0"	SINGLE HUNG	7'0"
3	3'0"	4'0"	FIX	7'0"
4	2'0"	4'0"	FIX	7'0"
SEE PLAN FOR NOTES ON EGRESS, TEMP., & ETC.				

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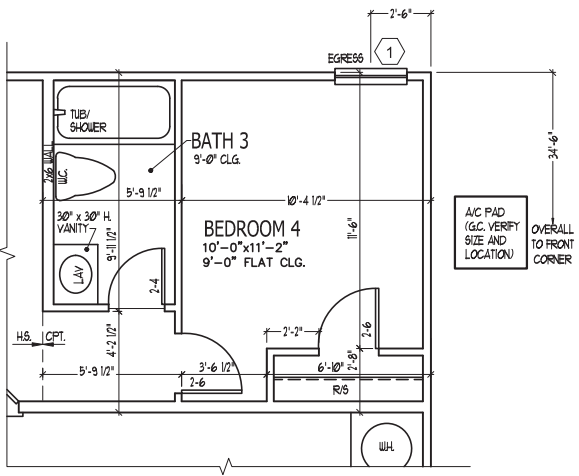
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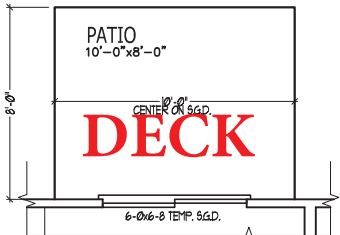
OPT BI-SWING DOORS
AT STUDY

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



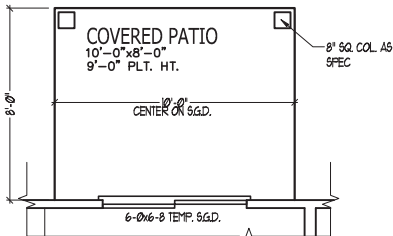
OPT BEDROOM 4 W/
BATH 3 ILO STUDY
AND POWDER ROOM 1

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



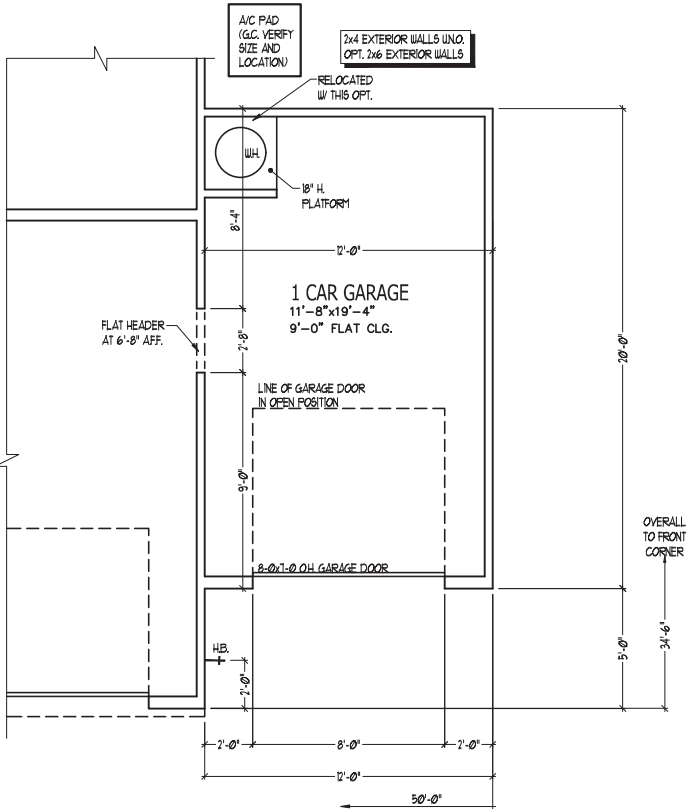
~~OPT PATIO~~

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



OPT COVERED PATIO

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



OPT 1 CAR GARAGE

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

REFER TO STANDARD PLAN
FOR INFORMATION NOT SHOWN

WAYFARE (Garage Right)
DREAM FINDERS HOMES

2277

TITLE
PLAN OPTIONS

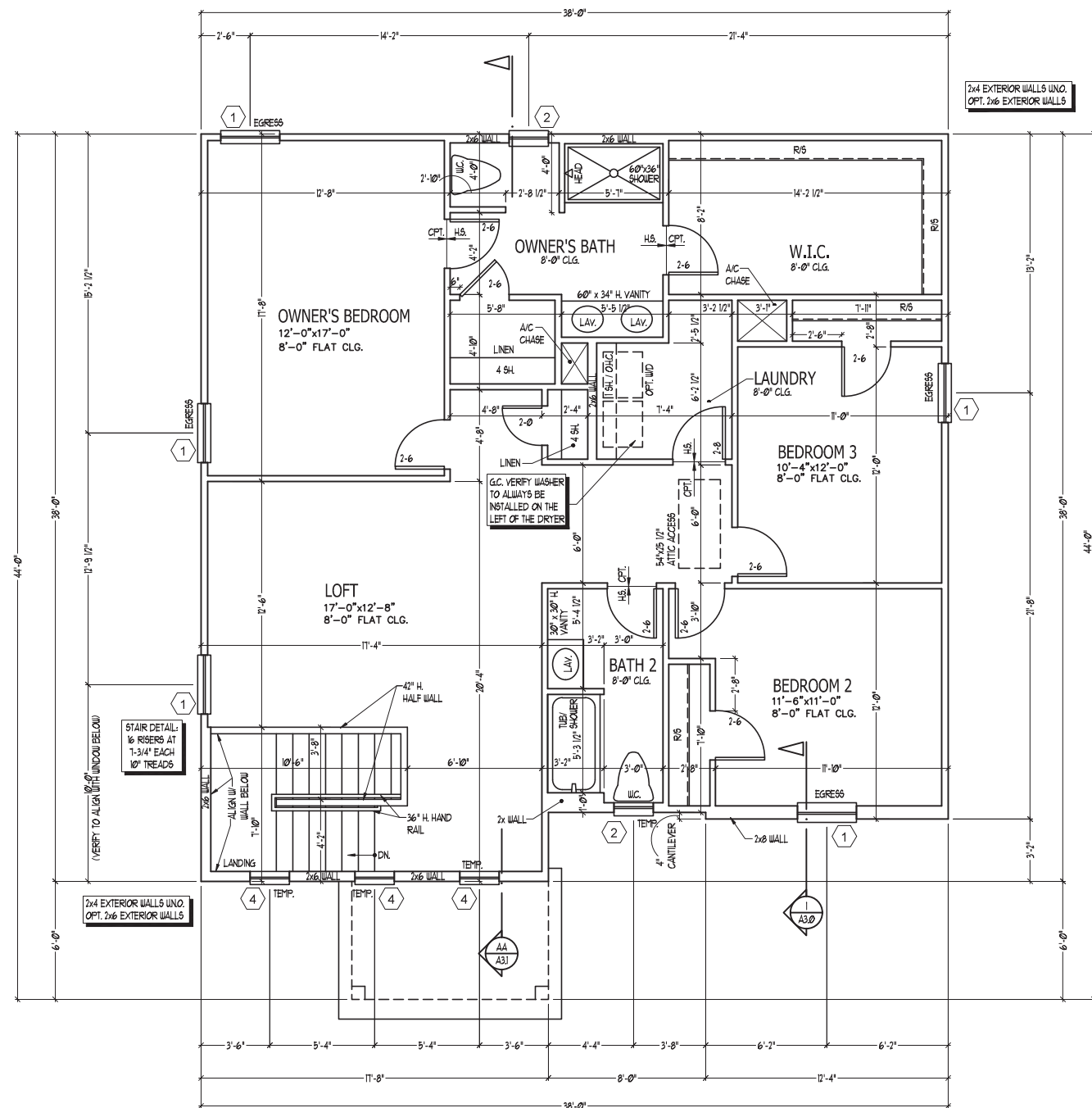
SHEET
A2.1

FIRST FLOOR PLAN OPTIONS

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

WINDOW SCHEDULE				
MARK	SIZE		TYPE	HEAD HEIGHT
	WIDTH	HEIGHT		
①	3'0"	5'0"	SINGLE HUNG	7'1"
②	2'0"	4'0"	SINGLE HUNG	7'1"
③	3'0"	4'0"	FIX	7'1"
④	2'0"	4'0"	FIX	7'1"

SEE PLAN FOR NOTES ON EGRESS, TEMP., & ETC.



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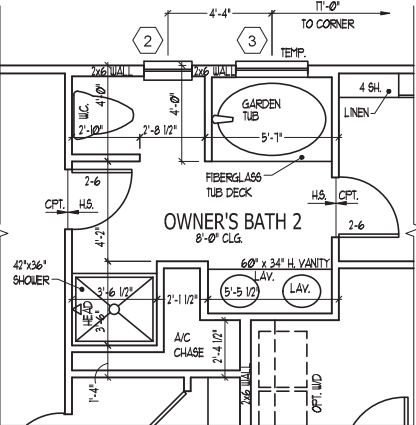
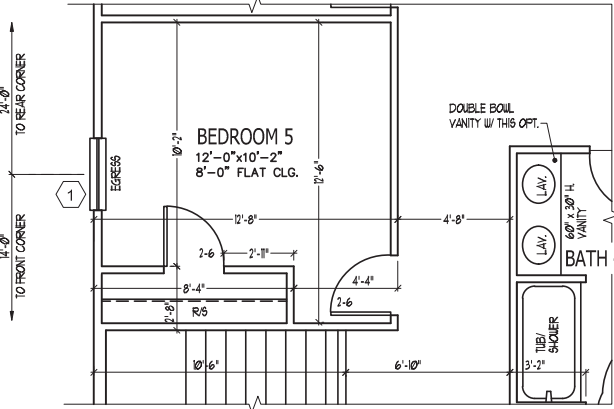
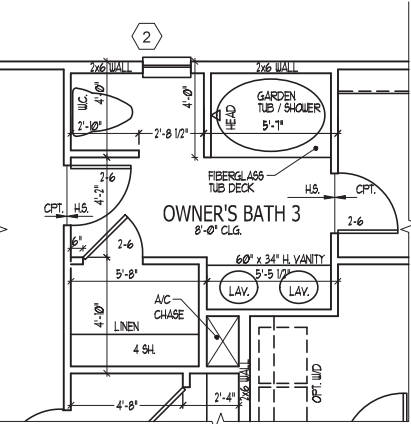
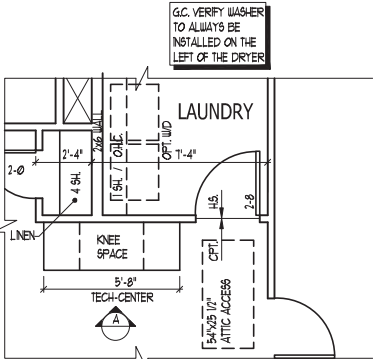
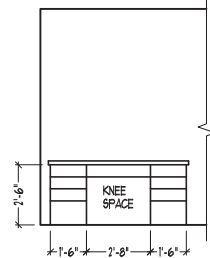
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ELEVATION A
SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

DREAM FINDERS HOMES	
	
JOB NUMBER	B-1915881*
CAD FILE NAME	WAYFARE-R
ISSUED	11-09-17
REVISED	11-16-17
	02-18-20
	04-01-20
	04-08-20
	12-01-22
	04-03-23
	10-30-24
DRAWINGS ON 11"x17" SHEET ARE ONE HALF THE SCALE NOTED	
WAYFARE (Garage Right) DREAM FINDERS HOMES	
2277	
TITLE UPPER FLOOR PLAN	
SHEET A2.3	

WINDOW SCHEDULE				
MARK	SIZE		TYPE	HEAD HEIGHT
	WIDTH	HEIGHT		
①	3'0"	5'0"	SINGLE HUNG	7'1"
②	2'0"	4'0"	SINGLE HUNG	7'1"
③	3'0"	4'0"	FIX	7'1"
④	2'0"	4'0"	FIX	7'1"

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FOR INFORMATION NOT SHOWN.

SECOND FLOOR PLAN OPTIONS



JOB NUMBER	B-1815881
CAD FILE NAME	WAYFARE-R
ISSUED	11-08-17
REVISED	11-16-17
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	04-01-20
	04-08-20
	12-01-22
	04-03-23
	10-30-24

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

WAYFARE (Garage Right) DREAM FINDERS HOMES

2277

TITLE
PLAN OPTIONS

SHEET
A2.4

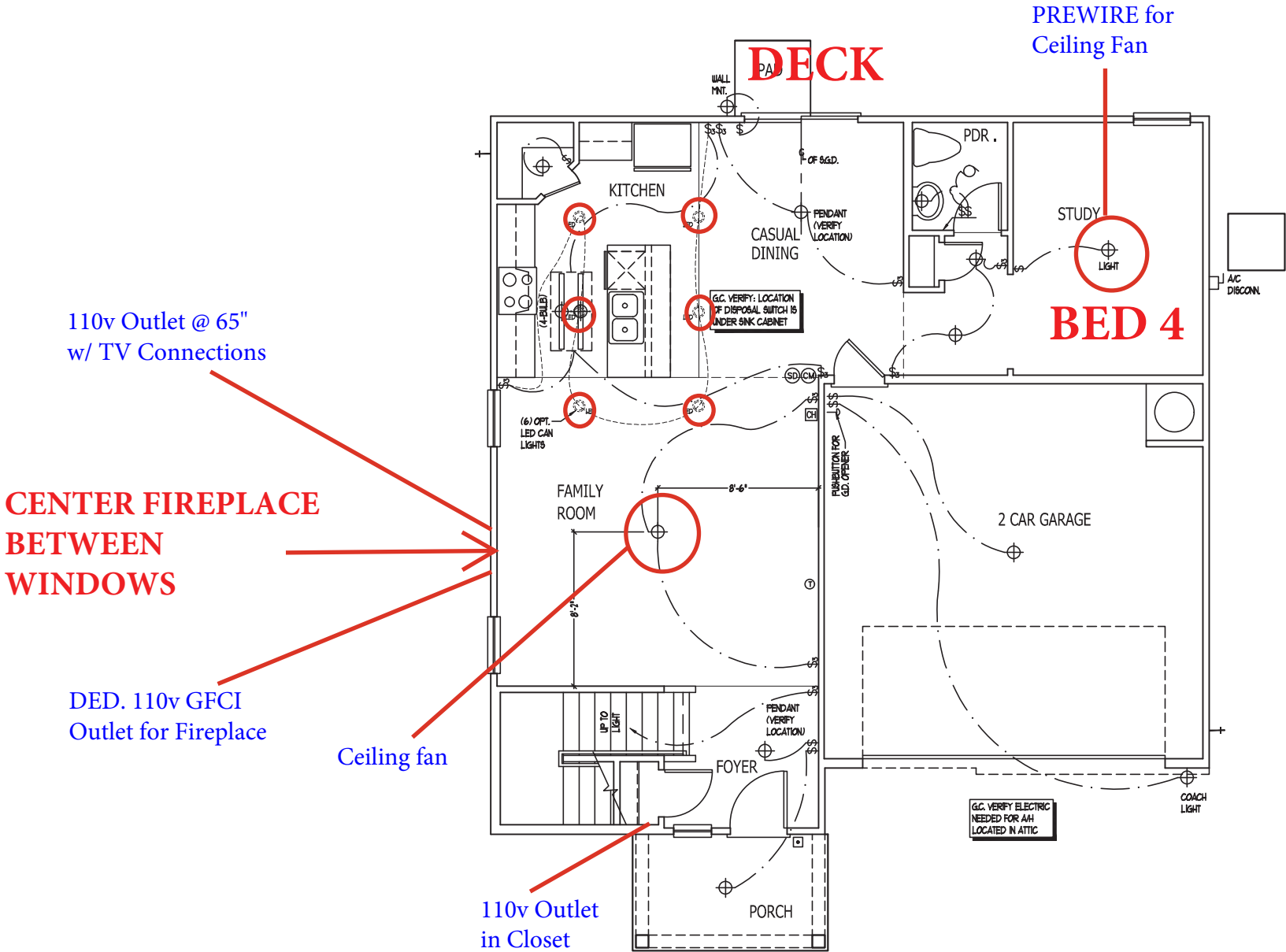
ELECTRICAL KEY

- DUPLEX CONVENIENCE OUTLET
- DUPLEX OUTLET ABOVE COUNTER
- WEATHERPROOF DUPLEX OUTLET
- GROUND FAULT INTERRUPTER DUPLEX OUTLET
- HALF-SWITCHED DUPLEX OUTLET
- SPECIAL PURPOSE OUTLET
- DUPLEX OUTLET IN FLOOR
- 220 VOLT OUTLET
- WALL SWITCH
- THREE-WAY SWITCH
- FOUR-WAY SWITCH
- DIMMER SWITCH
- CEILING MOUNTED INCANDESCENT LIGHT FIXTURE
- WALL MOUNTED INCANDESCENT LIGHT FIXTURE
- RECESSED INCANDESCENT LIGHT FIXTURE
- LIGHT FIXTURE WITH FULL CHAIN
- TRACK LIGHT
- FLUORESCENT LIGHT FIXTURE
- EXHAUST FAN
- EXHAUST FAN/LIGHT COMBINATION
- ELECTRIC DOOR OPERATOR (OPTIONAL)
- CHIMES (OPTIONAL)
- PUSHBUTTON SWITCH (OPTIONAL)
- CARBON MONOXIDE DETECTOR
- SMOKE DETECTOR
- SMOKE / CARBON MONO. COMBO DETECTOR
- TELEPHONE (OPTIONAL)
- TELEVISION (OPTIONAL)
- THERMOSTAT
- ELECTRIC METER
- ELECTRIC PANEL
- DISCONNECT SWITCH
- SPEAKER (OPTIONAL)
- ROUGH-IN FOR OPT. CEILING FAN
- CEILING MOUNTED INCANDESCENT LIGHT FIXTURE W/ ROUGH-IN FOR OPT. CEILING FAN

NOTES:

1. PROVIDE AND INSTALL GROUND FAULT CIRCUIT INTERRUPTERS (GFI) AS INDICATED ON PLANS OR AS ITEM NO. 4 AND 5 BELOW INDICATES.
2. UNLESS OTHERWISE INDICATED, INSTALL SWITCHES AND RECEPTACLES AT THE FOLLOWING HEIGHTS ABOVE FINISHED FLOOR:
SWITCHES.....42"
OUTLETS.....14"
TELEPHONE.....34" (UNLESS ABV COUNTERTOP)
TELEVISION.....34"
3. ALL SMOKE DETECTORS SHALL BE HARDWIRED INTO AN ELECTRICAL POWER SOURCE AND SHALL BE EQUIPPED WITH A MONITORED BATTERY BACKUP. PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE DETECTORS.
4. ALL 15A AND 20A RECEPTACLES IN SLEEPING ROOMS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DEN, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, AND SIMILAR AREAS WILL REQUIRE A COMBINATION TYPE AFCI DEVICE AND TAMPER-PROOF RECEPTACLES PER NEC 201.406.12 AND 406.13
5. ALL 15A AND 20A 120V RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROOMS SHALL BE GFCI PROTECTED (GFI).
6. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICIAN TO ENSURE THAT ALL ELECTRICAL WORK IS IN FULL COMPLIANCE WITH NFPA 70, NEC 201, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINANCES.
7. EVERY BUILDING HAVING A FOSSIL-FUEL-BURNING HEATER OR APPLIANCE, FIREPLACE, 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 BUILDING WIRING WHEN SUCH WIRING IS SERVED 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.

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

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



DREAM FINDERS
HOMES

JOB NUMBER	B-1815881*
CAD FILE NAME	WAYFARE-R
ISSUED	11-08-17
REVISED	11-16-17
	02-18-20
	04-01-20
	04-08-20
	12-01-22
	04-03-23
	10-30-24

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

WAYFARE (Garage Right)
DREAM FINDERS HOMES

2277

TITLE
MAIN FLOOR ELEC. PLAN

SHEET
E1.0

ELECTRICAL KEY

- DUPLEX CONVENIENCE OUTLET
- DUPLEX OUTLET ABOVE COUNTER
- WEATHERPROOF DUPLEX OUTLET
- GROUND FAULT INTERRUPTER DUPLEX OUTLET
- HALF-SWITCHED DUPLEX OUTLET
- SPECIAL PURPOSE OUTLET
- DUPLEX OUTLET IN FLOOR
- 220 VOLT OUTLET
- WALL SWITCH
- THREE-WAY SWITCH
- FOUR-WAY SWITCH
- DIMMER SWITCH
- CEILING MOUNTED INCANDESCENT LIGHT FIXTURE
- WALL MOUNTED INCANDESCENT LIGHT FIXTURE
- RECESSED INCANDESCENT LIGHT FIXTURE
- LIGHT FIXTURE WITH FULL CHAIN
- TRACK LIGHT
- FLUORESCENT LIGHT FIXTURE
- EXHAUST FAN
- EXHAUST FAN/LIGHT COMBINATION
- ELECTRIC DOOR OPERATOR (OPTIONAL)
- CHIMES (OPTIONAL)
- PUSHBUTTON SWITCH (OPTIONAL)
- CARBON MONOXIDE DETECTOR
- SMOKE DETECTOR
- SMOKE / CARBON MONO. COMBO DETECTOR
- TELEPHONE (OPTIONAL)
- TELEVISION (OPTIONAL)
- THERMOSTAT
- ELECTRIC METER
- ELECTRIC PANEL
- DISCONNECT SWITCH
- SPEAKER (OPTIONAL)
- ROUGH-IN FOR OPT. CEILING FAN
- CEILING MOUNTED INCANDESCENT LIGHT FIXTURE W/ ROUGH-IN FOR OPT. CEILING FAN

NOTES:

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TELEVISION...14"
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- ALL 15A AND 20A 120V RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROOMS SHALL BE GFCI PROTECTED (GFI).
- IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICIAN TO ENSURE THAT ALL ELECTRICAL WORK IS IN FULL COMPLIANCE WITH NFPA 70, NEC 200, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINANCES.
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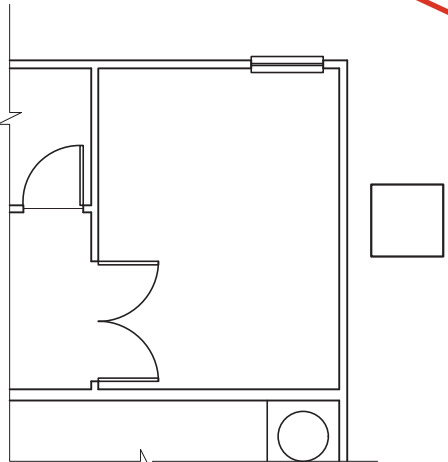
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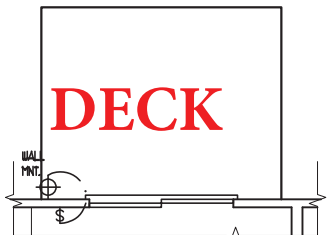
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PREWIRE for Ceiling Fan

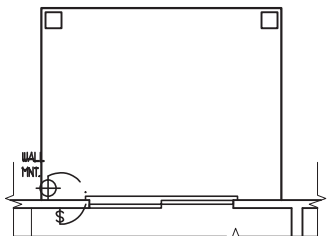


OPT BI-SWING DOORS
AT STUDY

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

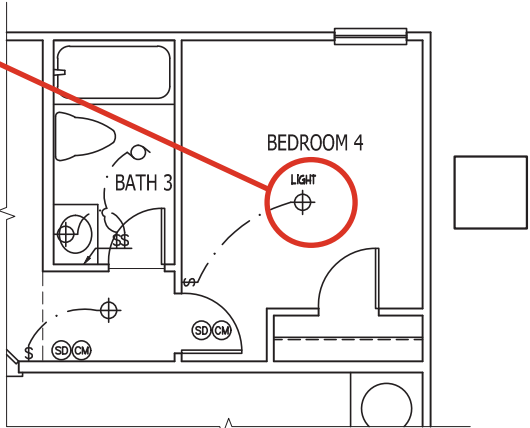


SCALE: 1/4" = 1'-0"



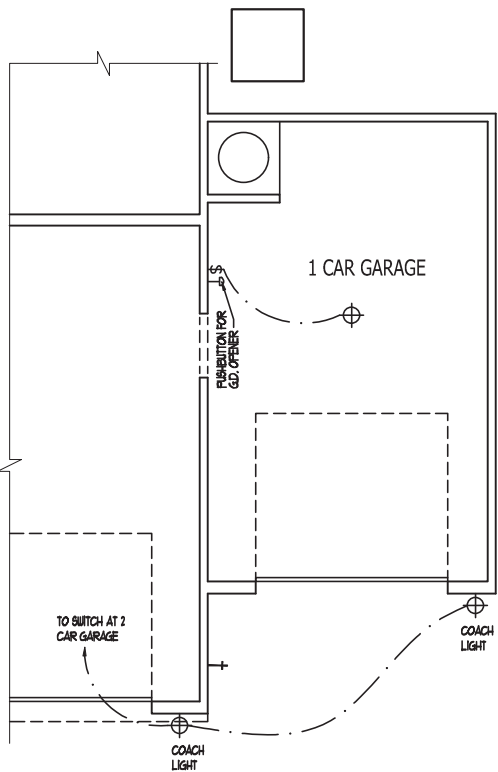
OPT COVERED PATIO

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



OPT BEDROOM 4 W/
BATH 3 ILO STUDY
AND POWDER ROOM 1

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



OPT 1 CAR GARAGE

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

FIRST FLOOR PLAN OPTIONS

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

DREAM FINDERS
HOMES

JOB NUMBER	B-1815881*
CAD FILE NAME	WAYFARE-R
ISSUED	11-08-17
REVISED	11-16-17
	02-18-20
	04-01-20
	04-08-20
	12-01-22
	04-03-23
	10-30-24

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

WAYFARE (Garage Right)
DREAM FINDERS HOMES

2277

TITLE
ELECTRIC AT PLAN OPTIONS

SHEET
E1.1

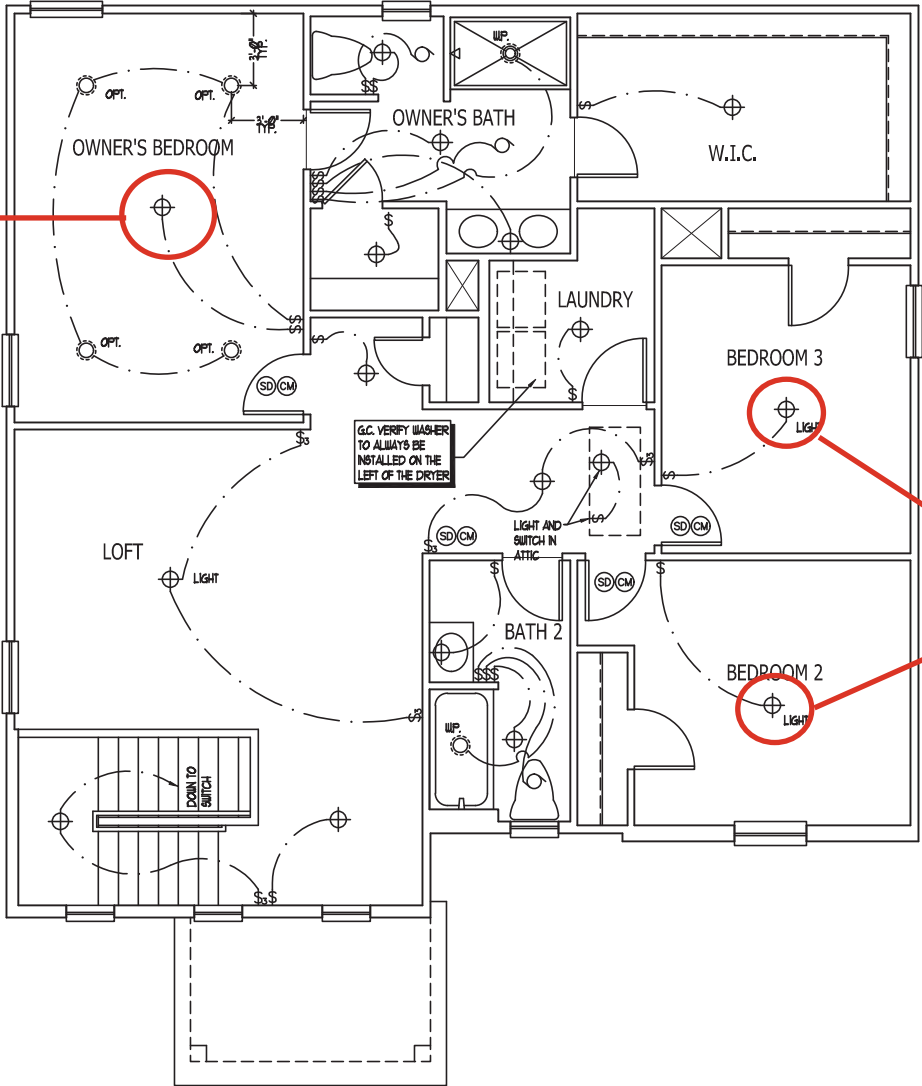
ELECTRICAL KEY

- DUPLEX CONVENIENCE OUTLET
- DUPLEX OUTLET ABOVE COUNTER
- WEATHERPROOF DUPLEX OUTLET
- GROUND FAULT INTERRUPTER DUPLEX OUTLET
- HALF-SWITCHED DUPLEX OUTLET
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Ceiling Fan



PREWIRE for Ceiling Fan

WAYFARE (Garage Right)
DREAM FINDERS HOMES

2277

TITLE
UPPER FLOOR ELEC. PLAN

SHEET
E1.3

ELEVATION A
SECOND FLOOR PLAN

SCALE 1/4" = 1'-0"

DREAM FINDERS
HOMES

JOB NUMBER B-1815881*
CAD FILE NAME WAYFARE-R
ISSUED 11-08-17
REVISED 11-16-17
02-18-20
04-01-20
04-08-20
12-01-22
04-03-23
10-30-24

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

ELECTRICAL KEY

- DUPLEX CONVENIENCE OUTLET
- DUPLEX OUTLET ABOVE COUNTER
- WEATHERPROOF DUPLEX OUTLET
- GROUND FAULT INTERRUPTER DUPLEX OUTLET
- HALF-SWITCHED DUPLEX OUTLET
- SPECIAL PURPOSE OUTLET
- DUPLEX OUTLET IN FLOOR
- 220 VOLT OUTLET
- WALL SWITCH
- THREE-WAY SWITCH
- FOUR-WAY SWITCH
- DIMMER SWITCH
- CEILING MOUNTED INCANDESCENT LIGHT FIXTURE
- WALL MOUNTED INCANDESCENT LIGHT FIXTURE
- RECESSED INCANDESCENT LIGHT FIXTURE
- LIGHT FIXTURE WITH FULL CHAIN
- TRACK LIGHT
- FLUORESCENT LIGHT FIXTURE
- EXHAUST FAN
- EXHAUST FAN/LIGHT COMBINATION
- ELECTRIC DOOR OPERATOR (OPTIONAL)
- CHIMES (OPTIONAL)
- PUSHBUTTON SWITCH (OPTIONAL)
- CARBON MONOXIDE DETECTOR
- SMOKE DETECTOR
- SMOKE / CARBON MONO. COMBO DETECTOR
- TELEPHONE (OPTIONAL)
- TELEVISION (OPTIONAL)
- THERMOSTAT
- ELECTRIC METER
- ELECTRIC PANEL
- DISCONNECT SWITCH
- SPEAKER (OPTIONAL)
- ROUGH-IN FOR OPT. CEILING FAN
- CEILING MOUNTED INCANDESCENT LIGHT FIXTURE W/ ROUGH-IN FOR OPT. CEILING FAN

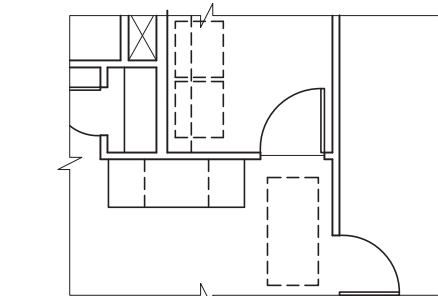
- NOTES:
- PROVIDE AND INSTALL GROUND FAULT CIRCUIT INTERRUPTERS (GFI) AS INDICATED ON PLANS OR AS ITEM NO. 4 AND 5 BELOW INDICATES.
 - UNLESS OTHERWISE INDICATED, INSTALL SWITCHES AND RECEPTACLES AT THE FOLLOWING HEIGHTS ABOVE FINISHED FLOOR:
SWITCHES.....42"
OUTLETS.....14"
TELEPHONE.....34" (UNLESS ABV COUNTERTOP)
TELEVISION.....34"
 - ALL SMOKE DETECTORS SHALL BE HARDWIRED INTO AN ELECTRICAL POWER SOURCE AND SHALL BE EQUIPPED WITH A MONITORED BATTERY BACKUP. PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE DETECTORS.
 - ALL 15A AND 20A RECEPTACLES IN SLEEPING ROOMS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DEN, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, AND SIMILAR AREAS WILL REQUIRE A COMBINATION TYPE AFCI DEVICE AND TAMPER-PROOF RECEPTACLES PER NEC 201.406.12 AND 406.13
 - ALL 15A AND 20A 120V RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROOMS SHALL BE GFCI PROTECTED (GFI).
 - IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICIAN TO ENSURE THAT ALL ELECTRICAL WORK IS IN FULL COMPLIANCE WITH NFPA 70, NEC 201, AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINANCES.
 - EVERY BUILDING HAVING A FOSSIL-FUEL-BURNING HEATER OR APPLIANCE, FIREPLACE, OR AN ATTACHED GARAGE SHALL HAVE AN OPERATIONAL CARBON MONOXIDE DETECTOR INSTALLED WITHIN 10 FEET OF EACH ROOM USED FOR SLEEPING PURPOSES.
 - ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING WHEN SUCH WIRING IS SERVED 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.

ISSUANCE OF PLANS FROM THIS DRAFTER'S OFFICE SHALL NOT RELIEVE THE BUILDER OF RESPONSIBILITY TO REVIEW AND VERIFY ALL NOTES, DIMENSIONS, AND ADHERENCE TO APPLICABLE BUILDING CODES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.

ANY DISCREPANCY OF ERROR IN NOTES, DIMENSIONS, OR ADHERENCE TO APPLICABLE BUILDING CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DRAFTER'S OFFICE FOR CORRECTION BEFORE COMMENCEMENT OF ANY CONSTRUCTION.

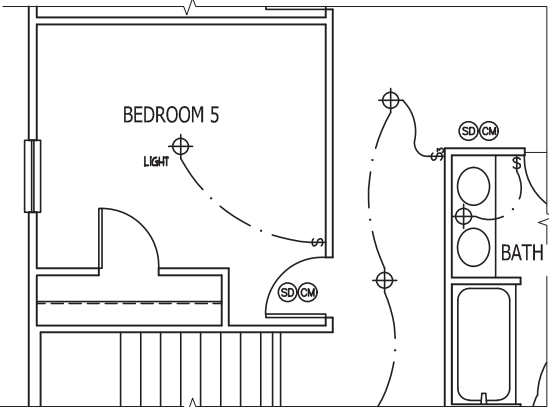
ANY REVISIONS OR CHANGES NOT RELATED TO THE CORRECTION OF ERRORS THAT ARE MADE AFTER THE FINAL PLANS HAVE BEEN COMPLETED SHALL BE SUBJECT TO ADDITIONAL FEES.

IF ANY MODIFICATIONS ARE MADE TO THESE PLANS BY ANY OTHER PARTY OTHER THAN THE DRAFTER'S OFFICE, THE DRAFTER SHALL NOT BE HELD RESPONSIBLE.



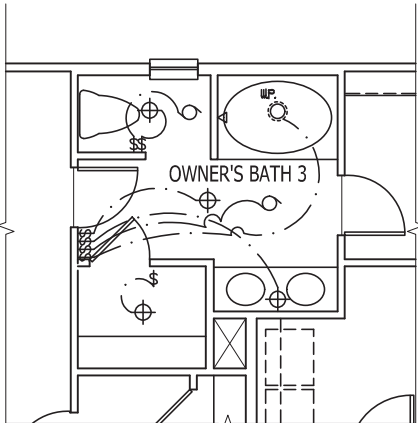
OPT TECH-CENTER

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



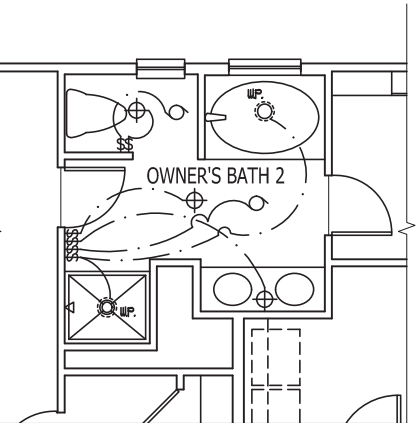
OPT BEDROOM 5
W/ BATH 4 ILO LOFT

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



OPT OWNER'S BATH 3

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



OPT OWNER'S BATH 2

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

SECOND FLOOR PLAN OPTIONS

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

DREAM FINDERS
HOMES

JOB NUMBER	B-1815881*
CAD FILE NAME	WAYFARE-R
ISSUED	11-08-17
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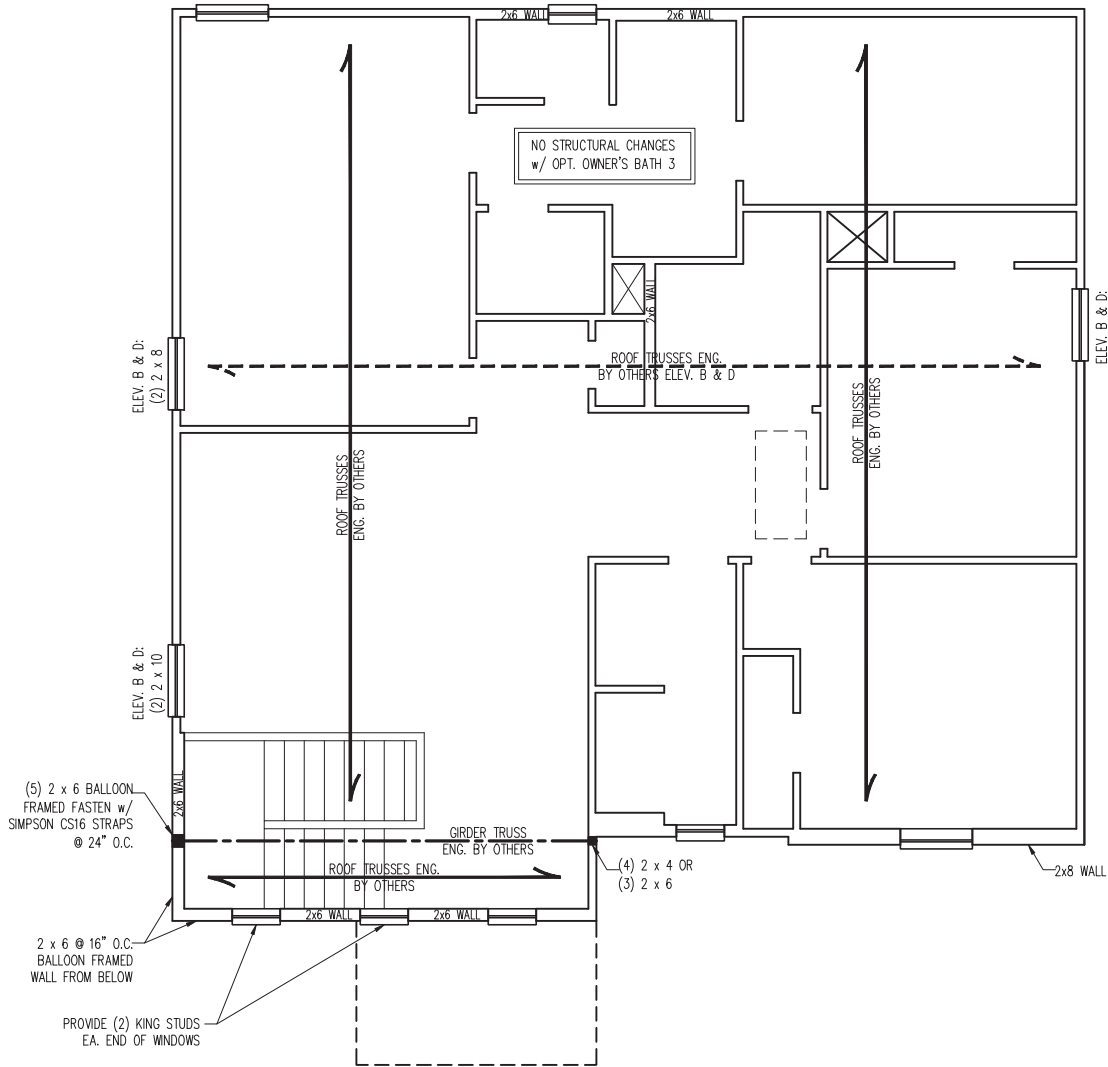
DRAWINGS ON 11"x17"
SHEET ARE ONE HALF
THE SCALE NOTED

WAYFARE (Garage Right)
DREAM FINDERS HOMES

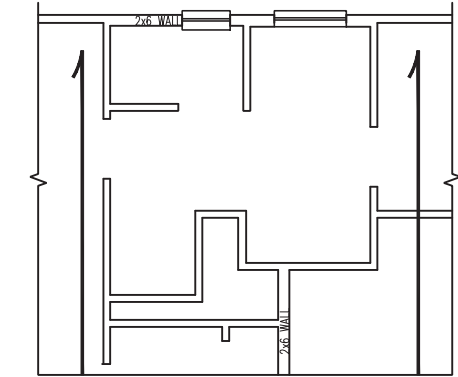
2277

TITLE
ELECTRIC AT PLAN OPTIONS

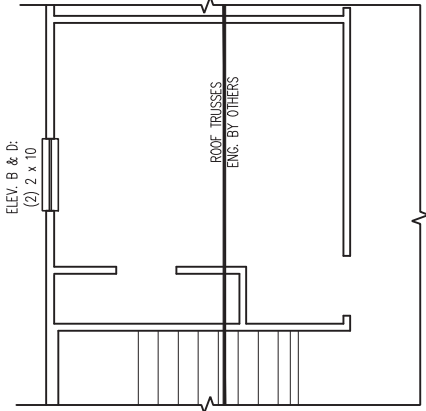
SHEET
E1.4



ELEVATION A



OPT. OWNER'S BATH 2



OPT. BEDROOM 5 I.L.O. LOFT



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

*NOTE: ALL SECOND FLOOR EXTERIOR WALLS AND ATTIC WALLS ARE TO BE 2 x 4 SPF #2 @ 24" O.C. 2 x 6 SPF #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 SPF #2 @ 24" O.C. (UNO).

- BRACED WALL DESIGN NOTES:
1. WALL BRACING IS BY ENGINEERED DESIGN PER SECTION R301.1.3 "ENGINEERED DESIGN" OF THE NRC 2024 EDITION USING BRACING MATERIALS AND METHODS LISTED IN TABLE R602.10.4 ALONG WITH ALTERNATIVE MATERIALS AND METHODS THAT COMPLY WITH ACCEPTED ENGINEERING PRACTICE. BRACED WALL DESIGN IS NOT PRESCRIPTIVE.
 2. SHEATH ALL EXTERIOR WALLS w/ 7/16" OSB TO PROVIDE CS-WSP WALL BRACING THAT WILL BRACE THE STRUCTURE FOR ALL LATERAL LOADS AS REQUIRED BY THE NRC 2024 EDITION.
 3. CS-WSP REFERS TO "CONTINUOUSLY SHEATHED WOOD STRUCTURAL PANELS." CONTRACTOR IS TO INSTALL 7/16" OSB ON ALL EXTERIOR WALLS WITH HORIZONTAL JOINTS BLOCKED. ATTACH SHEATHING w/ 8d NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD INCLUDING TOP AND BOTTOM PLATES.
 4. GB REFERS TO "GYPSUM BOARD." CONTRACTOR IS TO INSTALL 1/2" (MIN.) GYPSUM BOARD ON BOTH SIDES OF WALL (UNO) WHERE NOTED ON THE PLANS ATTACHED WITH 1 1/4" LONG #6 SCREWS OR 1 5/8" LONG 5d COOLER NAILS SPACED 7" O.C. ALONG PANEL EDGES AND IN THE FIELD INCLUDING TOP AND BOTTOM PLATES. WHERE METHOD GB PANELS ARE INSTALLED HORIZONTALLY, BLOCKING OF HORIZONTAL JOINTS IS NOT REQUIRED.
 5. BRACED WALL DESIGN APPLIED IN WIND ZONES UP TO 130 MPH. FOR HIGH WIND ZONES, BRACED WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 45 OF THE NRC 2024 EDITION.
 6. SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL INFORMATION.

- STRUCTURAL NOTES:
1. ALL FRAMING LUMBER TO BE SPF #2 (UNO). ALL TREATED LUMBER TO BE SYP #2 (UNO).
 2. ALL LOAD BEARING HEADERS TO BE (2) 2 x 6 (UNO).
 3. WINDOW AND DOOR HEADERS TO BE SUPPORTED w/ (1) JACK STUD AND (1) KING STUD EA. END (UNO). SEE KING STUD TABLES FOR ADDITIONAL KING STUD REQUIREMENTS.
 4. SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. ALL SQUARES TO BE (2) STUDS (UNO).
 5. FOR HIGH WIND ZONES, ALL EXTERIOR WALLS TO BE SHEATHED WITH 7/16" OSB SHEATHING WITH JOINTS BLOCKED AND SECURED WITH 8d NAILS AT 3" O.C. ALONG EDGES AND 6" O.C. IN THE FIELD.
 6. 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 12" BEYOND CONSTRUCTION JOINTS AND SHALL OVERLAP GIRDERS AND DOUBLE SILL PLATES THEIR FULL DEPTH.
 7. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

TABLE R602.7.5
MINIMUM NUMBER OF FULL HEIGHT KING STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS IN 120/130 MPH WIND ZONES

HEADER SPAN (FEET)	MINIMUM NUMBER OF FULL HEIGHT STUDS (KINGS)
UP TO 4'	1
> 4' TO 8'	2
> 8' TO 14'	3
> 14' TO 18'	4

MINIMUM NUMBER OF FULL HEIGHT KING STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS IN 140/150 MPH WIND ZONES

HEADER SPAN (FEET)	MINIMUM NUMBER OF FULL HEIGHT STUDS (KINGS)
UP TO 4'	2
> 4' TO 8'	3
> 8' TO 14'	4
> 14' TO 18'	5

LEGEND	
CONT	CONTINUOUS
XT	EXTRA TRUSS
TS	TRUSS SUPPORT
EA	EACH
()	NUMBER OF STUDS
DSP	DOUBLE STUD POCKET
TSP	TRIPLE STUD POCKET
OC	ON CENTER
SPF	SPRUCE PINE FIR
SYP	SOUTHERN YELLOW PINE
TRTD	PRESSURE TREATED
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE

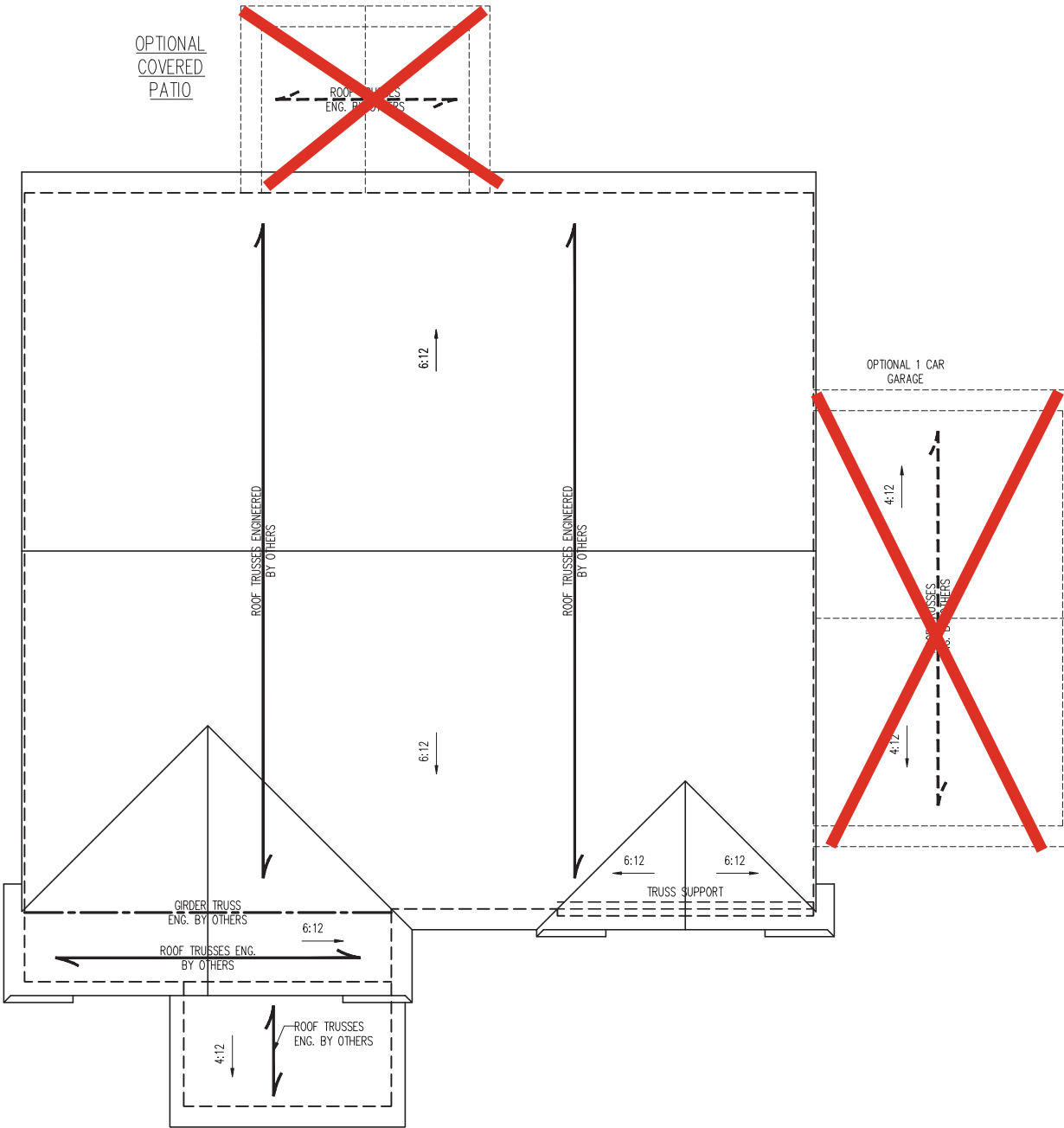
J.S. THOMPSON
ENGINEERING, INC
333 EAST SIX FORKS ROAD, SUITE 180 RALEIGH, NC 27609
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N.C. LICENSE NO.: C1733

WAYFARE
DREAM FINDERS HOMES

DATE: DECEMBER 2, 2024
SCALE: 1/4" = 1'-0"
DRAWN BY: PURL HOMES
ENGINEERED BY: WFB

SHEET: 9 OF: 12
S-3a
CEILING FRAMING
PLAN

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



ELEVATION A

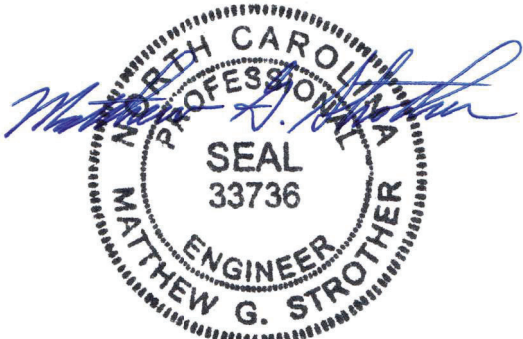
STRUCTURAL NOTES:

1. ALL FRAMING LUMBER TO BE #2 SPF (UNO).
2. CIRCLES DENOTE (3) 2 x 4 POSTS FOR ROOF SUPPORT.
3. FRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS.
4. HIP SPLICES ARE TO BE SPACED A MIN. OF 8'-0". FASTEN MEMBERS WITH THREE ROWS OF 12d NAILS @ 16" O.C. (TYP.)
5. STICK FRAME OVER-FRAMED ROOF SECTIONS W/ 2 x 8 RIDGES, 2 x 6 RAFTERS @ 16" O.C. AND FLAT 2 x 10 VALLEYS OR USE VALLEY TRUSSES.
6. FASTEN FLAT VALLEYS TO RAFTERS OR TRUSSES WITH SIMPSON H2.5A HURRICANE TIES @ 32" O.C. MAX. PASS HURRICANE TIES THROUGH NOTCH IN ROOF SHEATHING. EACH RAFTER IS TO BE FASTENED TO THE FLAT VALLEY WITH A MIN. OF (6) 12d TOE NAILS.
7. REFER TO SECTION R802.11 OF THE 2024 NCRF FOR REQUIRED UPLIFT RESISTANCE AT RAFTERS AND TRUSSES. IN HIGH WIND ZONES, SECURE EA. RAFTER OR TRUSS TO BEARING WALL WITH SIMPSON H10 HURRICANE TIE (OR EQUAL) UNLESS NOTED OTHERWISE BY TRUSS ENGINEER BASE ON DESIGN UPLIFT FOR EA. TRUSS. REFER TO SECTION R4058 OF THE 2024 NCRF TO ENSURE COMPLIANCE WITH REQUIRED UPLIFT AND LATERAL CONNECTIONS.
8. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR ROOF PITCHES, PLATE HEIGHTS, DIMENSIONS, OVERHANG WIDTHS, AND ATTIC VENT CALCS.

LEGEND

XT	EXTRA TRUSS
TS	TRUSS SUPPORT
XR	EXTRA RAFTER
RS	RAFTER SUPPORT
CONT	CONTINUOUS
EA	EACH
OC	ON CENTER
SPF	SPRUCE PINE FIR
SYP	SOUTHERN YELLOW PINE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE



12/3/2024

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N.C. LICENSE NO.: C1733

WAYFARE
DREAM FINDERS HOMES

DATE: DECEMBER 2, 2024

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

DRAWN BY: PURL HOMES

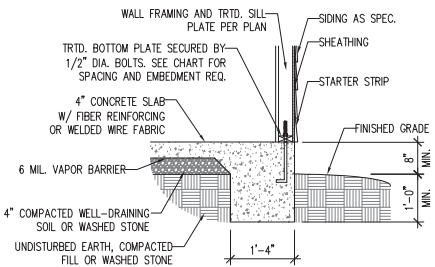
ENGINEERED BY: WFB

SHEET: 11 OF: 12

S-4a
ROOF FRAMING
PLAN

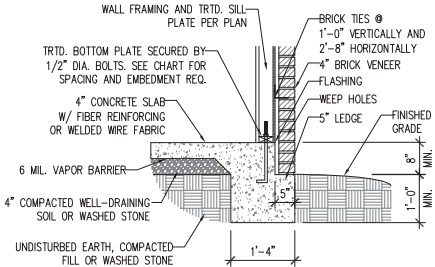
MONOLITHIC SLAB DETAILS

DETAIL 1



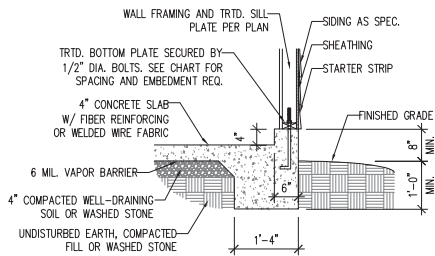
TYPICAL SLAB DETAIL

DETAIL 2



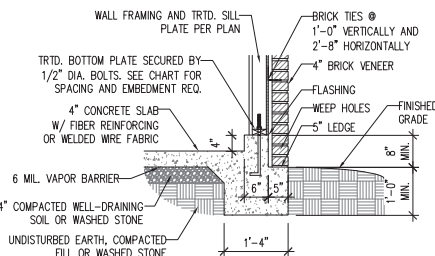
BRICK VENEER DETAIL

DETAIL 3



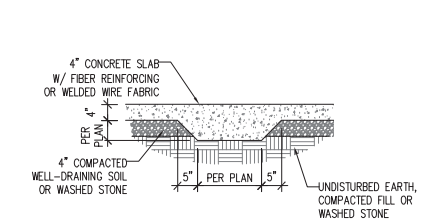
GARAGE CURB DETAIL

DETAIL 4



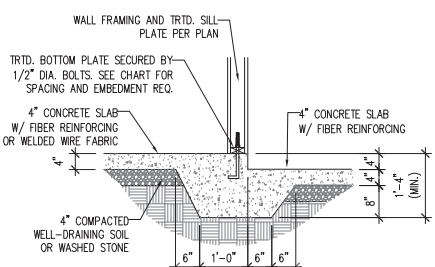
GARAGE CURB BRICK LEDGE DETAIL

DETAIL 5



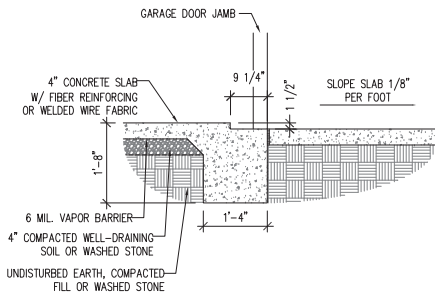
THICKENED SLAB DETAIL

DETAIL 6



STEP IN GARAGE DETAIL

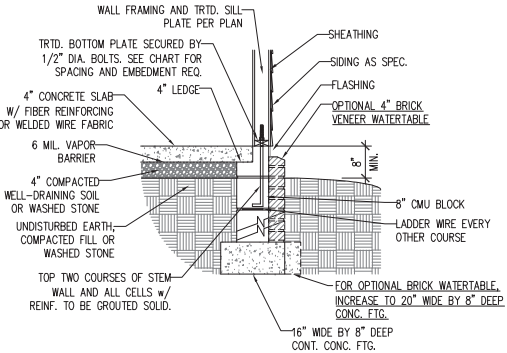
DETAIL 7



SLAB AT GARAGE DOOR DETAIL

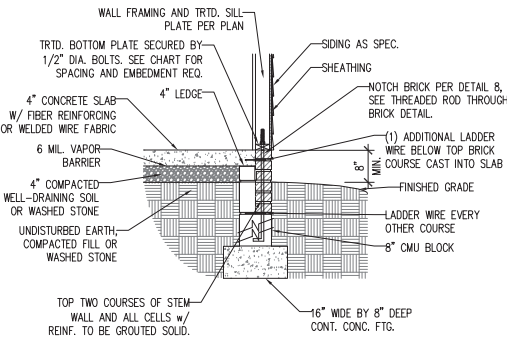
STEM WALL DETAILS

DETAIL 1



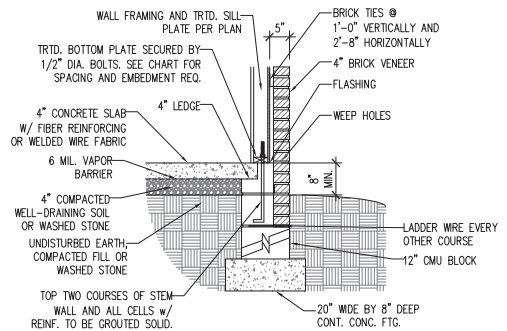
TYPICAL STEM WALL DETAIL
(w/ OPTIONAL WATERTABLE)

OPTIONAL DETAIL 1



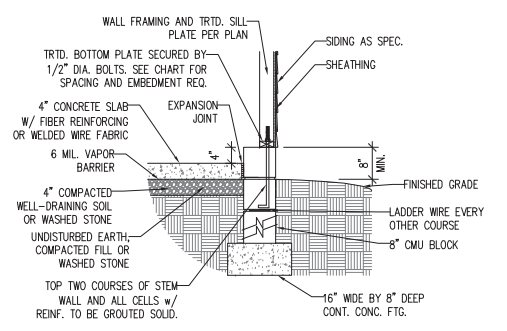
OPTIONAL STEM WALL DETAIL

DETAIL 2



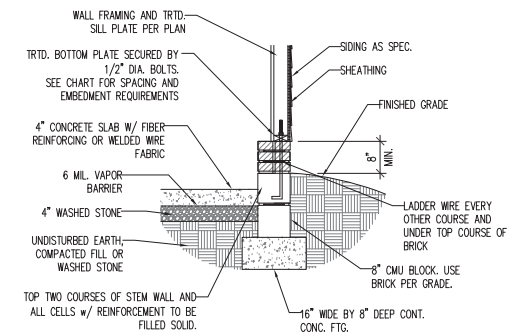
TYPICAL STEM WALL FND. W/ BRICK DETAIL

DETAIL 3



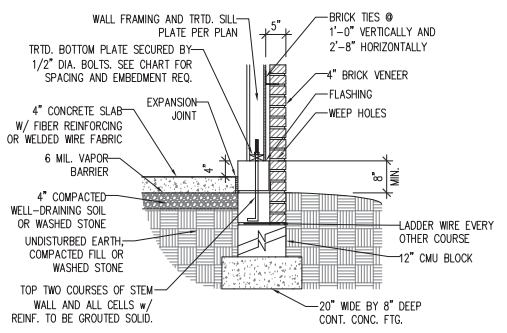
TYPICAL STEM WALL FND. DETAIL
w/ CURB @ GARAGE

OPTIONAL DETAIL 3



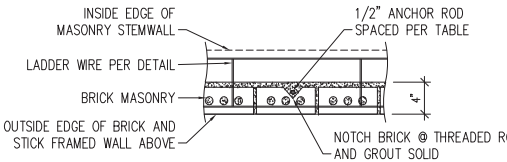
OPTIONAL STEM WALL FND. DETAIL
w/ CURB @ GARAGE

DETAIL 4



TYPICAL STEM WALL FND. DETAIL W/ BRICK
AND CURB @ GARAGE

OPTIONAL DETAIL 8



THREADED ROD THROUGH BRICK MASONRY

MASONRY STEM WALL SPECIFICATIONS

WALL HEIGHT (FEET)	MASONRY WALL TYPE			
	8" CMU	4" BRICK AND 4" CMU	4" BRICK AND 8" CMU	12" CMU
2 AND BELOW	UNGROUTED	GROUT SOLID	UNGROUTED	UNGROUTED
3	UNGROUTED	GROUT SOLID	UNGROUTED	UNGROUTED
4	GROUT SOLID w/ #4 REBAR @ 64" O.C.	GROUT SOLID w/ #4 REBAR @ 48" O.C.	GROUT SOLID	GROUT SOLID w/ #4 REBAR @ 64" O.C.
5	GROUT SOLID w/ #4 REBAR @ 36" O.C.	NOT APPLICABLE	GROUT SOLID w/ #4 REBAR @ 36" O.C.	GROUT SOLID w/ #4 REBAR @ 64" O.C.
6 AND GREATER	ENGINEERED DESIGN BASED ON SITE CONDITIONS			

STRUCTURAL NOTES:

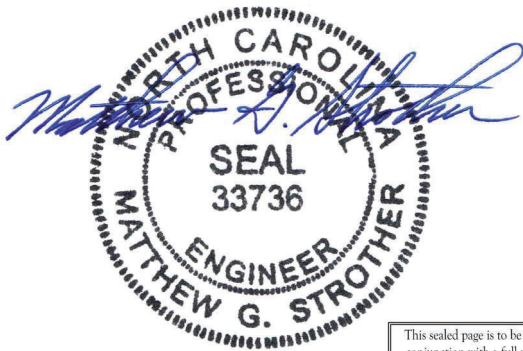
- 1) WALL HEIGHT MEASURED FROM TOP OF FOOTING TO TOP OF THE WALL.
- 2) TIE MULTIPLE WYTHES TOGETHER WITH LADDER WIRE AT 16" O.C. VERTICALLY.
- 3) CHART APPLICABLE FOR HOUSE FOUNDATION ONLY. CONSULT ENGINEER FOR DESIGN OF GARAGE FOUNDATION NOT COMMON TO HOUSE w/ GREATER THAN 3' OF FILL AS MEASURED FROM THE TOP OF THE FOOTING.
- 4) BACKFILL OF CLEAN #57 / #67 WASHED STONE IS ALLOWABLE.
- 5) BACKFILL OF WELL DRAINED OR SAND - GRAVEL MIXTURE SOILS (45 PSF/FT BELOW GRADE) CLASSIFIED AS GROUP I ACCORDING TO UNIFIED SOILS CLASSIFICATION SYSTEM IN ACCORDANCE WITH TABLE R405.1 OF THE 2024 NORTH CAROLINA RESIDENTIAL CODE ARE ALLOWABLE.
- 6) PREP SLAB PER R506.2.1 AND R506.2.2 BASE AND EXCEPTION OF 2024 NORTH CAROLINA RESIDENTIAL CODE.
- 7) MINIMUM 24" LAP SPlice LENGTH.
- 8) LOCATE REBAR IN CENTER OF FOUNDATION WALL.
- 9) WHERE REQUIRED, FILL BLOCK SOLID WITH TYPE "S" MORTAR OR 3000 PSI GROUT. USE OF "LOW LIFT GROUTING" METHOD REQUIRED WHEN FILLING WALLS WITH GROUT AT HEIGHTS OF 5' AND GREATER.

ANCHOR SPACING AND EMBEDMENT

WIND ZONE	120 MPH	130 MPH
SPACING	6'-0" O.C. INSTALL MIN. (2) ANCHORS PER PLATE SECTION AND (1) ANCHOR WITHIN 12" OF CORNERS	4'-0" O.C. INSTALL MIN. (2) ANCHORS PER PLATE SECTION AND (1) ANCHOR WITHIN 12" OF CORNERS
EMBEDMENT	7"	15" INTO MASONRY 7" INTO CONCRETE

NOTE:

THREADED ROD WITH EPOXY, SIMPSON TITEN HD, OR APPROVED ANCHORS SPACED AS REQUIRED TO PROVIDE EQUIVALENT ANCHORAGE TO 1/2" DIAMETER ANCHOR BOLTS MAY BE USED IN LIEU OF 1/2" ANCHOR BOLTS.



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120 MPH - 130 MPH ULTIMATE DESIGN WIND SPEED
FOUNDATION DETAILS
DREAM FINDERS HOMES

DATE: NOVEMBER 7, 2024

SCALE: NTS

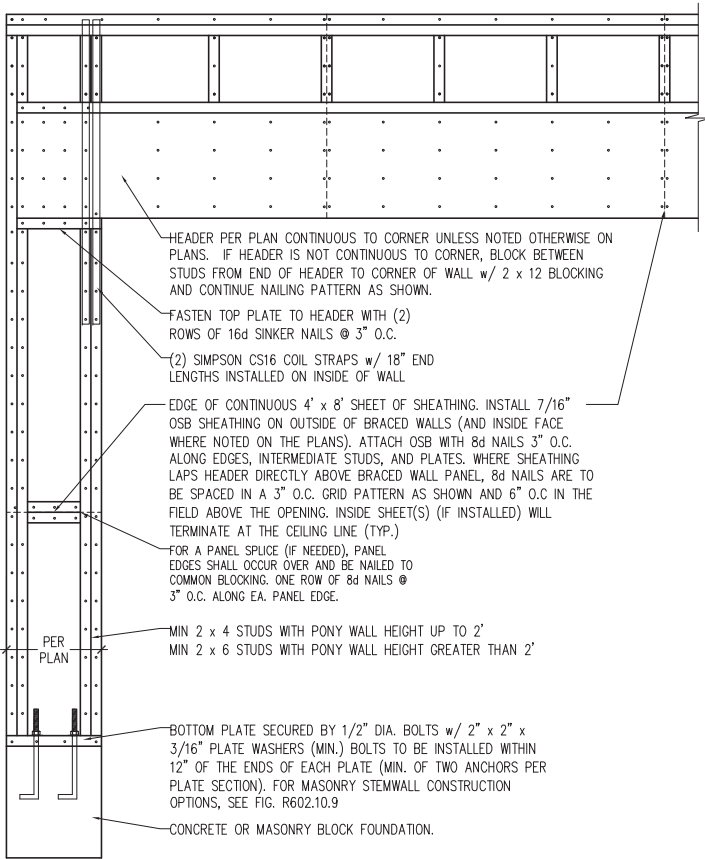
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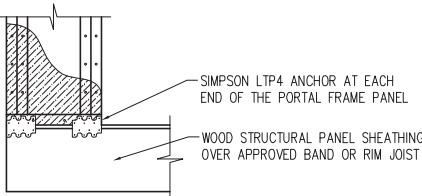
D-1
FOUNDATION DETAILS

GENERAL WALL BRACING NOTES:

1. WALL BRACING IS BY ENGINEERED DESIGN PER SECTION R301.1.3 "ENGINEERED DESIGN" OF THE NRCR 2024 EDITION USING BRACING MATERIALS AND METHODS LISTED IN TABLE R602.10.4 ALONG WITH ALTERNATIVE MATERIALS AND METHODS THAT COMPLY WITH ACCEPTED ENGINEERING PRACTICE. BRACED WALL DESIGN IS NOT PRESCRIPTIVE.
2. SEE THIS SHEET FOR GENERAL DETAILS. REFER TO THE 2024 NRCR FOR ADDITIONAL INFORMATION AS NEEDED.
3. BRACED EXTERIOR WALLS SUPPORTING ROOF TRUSSES AND RAFTERS, INCLUDING STORIES BELOW THE TOP FLOOR, HAVE BEEN DESIGNED PER R602.3.5 (3). WALL SHEATHING AND FASTENERS HAVE BEEN DESIGNED TO RESIST COMBINED UPLIFT AND SHEAR FORCES IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE.
4. SEE STRUCTURAL SHEETS FOR HOLD DOWN TYPE AND LOCATIONS WHERE REQUIRED AND ANY SPECIAL NOTES OR REQUIREMENTS.
5. ALL EXTERIOR WALLS ARE TO BE SHEATHED WITH CS-WSP IN ACCORDANCE WITH SECTION R602.10 UNLESS NOTED OTHERWISE.
6. ALL EXTERIOR AND INTERIOR WALLS TO HAVE 1/2" GYPSUM INSTALLED. WHEN NOT USING METHOD "GB", GYPSUM TO BE FASTENED PER TABLE R702.3.5. METHOD GB TO BE FASTENED PER TABLE R602.10.4.
7. CS-WSP REFERS TO THE "CONTINUOUS SHEATHING - WOOD STRUCTURAL PANELS" WALL BRACING METHOD. 7/16" OSB SHEATHING IS TO BE INSTALLED ON ALL EXTERIOR WALLS WITH JOINTS BLOCKED. ATTACH SHEATHING w/ 6d COMMON NAILS OR 8d (2 1/2" LONG x 0.113" DIAMETER) NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD (U.N.O.).
8. GB REFERS TO THE "GYPSUM BOARD" WALL BRACING METHOD. 1/2" (MIN.) GYPSUM WALL BOARD IS TO BE INSTALLED ON BOTH SIDES OF THE BRACED WALL FASTENED WITH 1 1/4" SCREWS OR 1 5/8" NAILS SPACED 7" O.C. ALONG PANEL EDGES INCLUDING TOP AND BOTTOM PLATES AND INTERMEDIATE SUPPORTS (U.N.O.). VERIFY ALL FASTENER OPTIONS FOR 1/2" AND 5/8" GYPSUM PRIOR TO CONSTRUCTION. FOR INTERIOR FASTENER OPTIONS SEE TABLE R702.3.5. FOR EXTERIOR FASTENER OPTIONS SEE TABLE R602.3(1). WHERE METHOD GB PANELS ARE INSTALLED HORIZONTALLY, BLOCKING OF HORIZONTAL JOINTS IS NOT REQUIRED. EXTERIOR GB TO BE INSTALLED VERTICALLY.



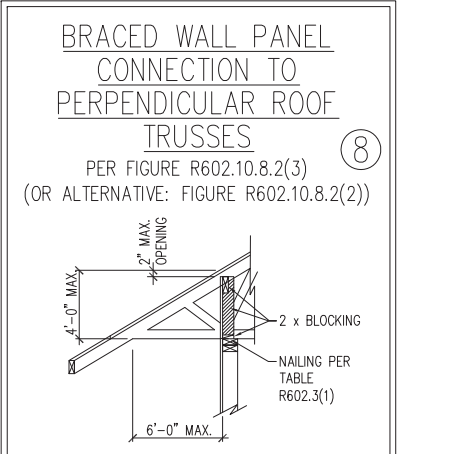
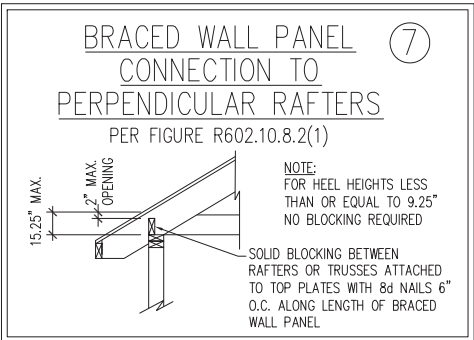
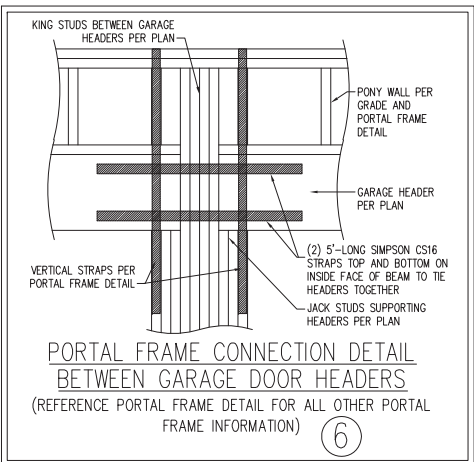
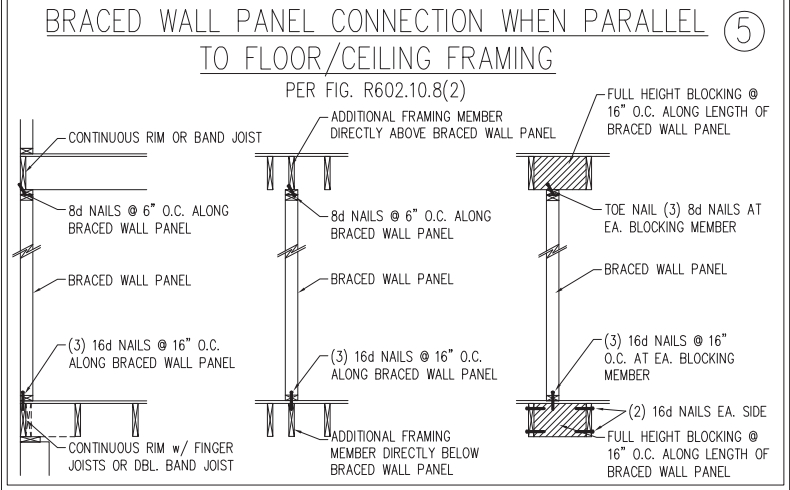
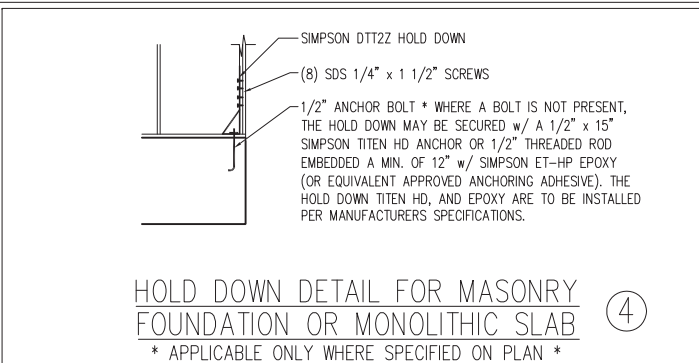
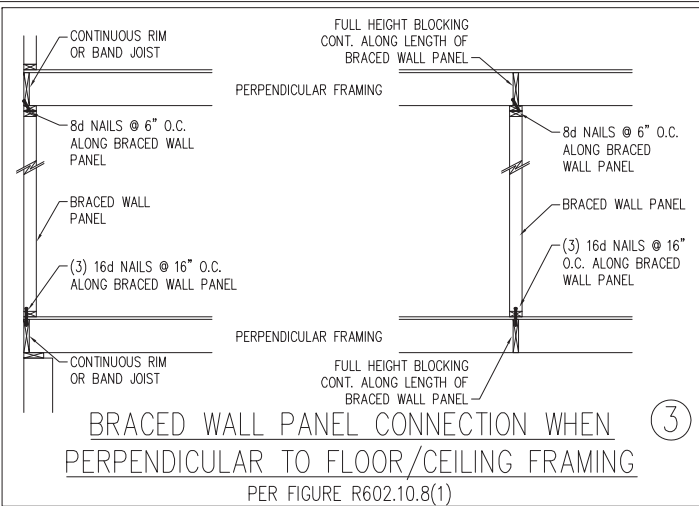
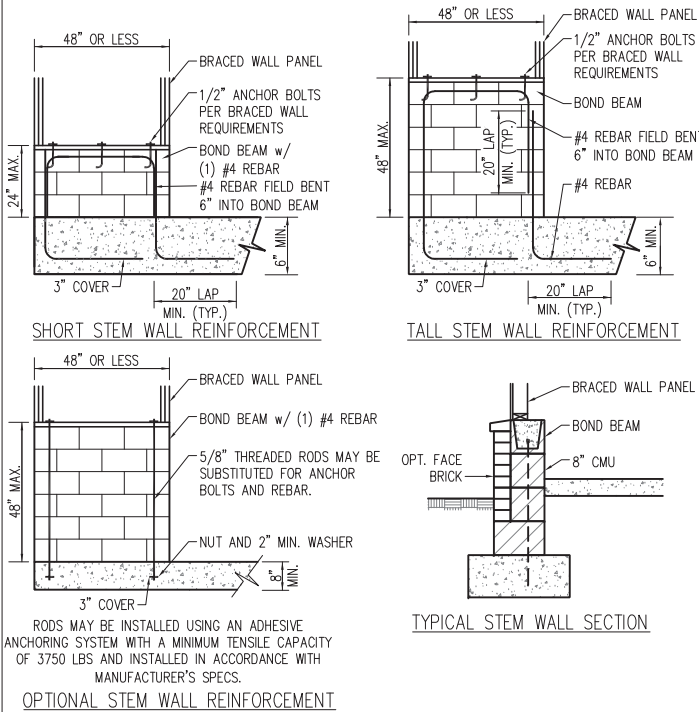
OVER CONCRETE OR MASONRY BLOCK FOUNDATION



OVER RAISED WOOD FLOOR - FRAMING ANCHOR OPTION

* APPLICABLE w/ GREATER THAN 12" KNEE WALL HEIGHTS IN CRAWL SPACE AND ABOVE FRAMED BASEMENT WALLS *

METHOD PF-PORTAL FRAME DETAIL ①



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

DATE: NOVEMBER 7, 2024
SCALE: NTS
DRAWN BY: JST
ENGINEERED BY: JST

D-2
BRACED WALL
NOTES AND DETAILS
AND PF DETAIL

GENERAL NOTES

1. ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIPs, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS, HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIERS, GIRDER SYSTEM AND FOOTING. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OF ARCHITECTURAL LAYOUT INCLUDING ROOF. ENGINEER'S SEAL DOES NOT APPLY TO I-JOIST OR FLOOR/ROOF TRUSS LAYOUT DESIGN AND ACCURACY.
2. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE (NRC), 2024 EDITION, PLUS ALL LOCAL CODES AND REGULATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK. NOR WILL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTORS FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
3. STRUCTURAL DESIGN BASED ON THE PROVISIONS OF THE NRC, 2024 EDITION (R301.4 – R301.7)

DESIGN CRITERIA:	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION (IN)
ATTIC WITH LIMITED STORAGE	20	10	L/240 (L/360 w/ BRITTLE FINISHES)
ATTIC WITHOUT STORAGE	10	10	L/360
DECKS	40	10	L/360
EXTERIOR BALCONIES	40	10	L/360
FIRE ESCAPES	40	10	L/360
HANDRAILS/GUARDRAILS	200	10	L/360
PASSENGER VEHICLE GARAGE	50	10	L/360
ROOMS OTHER THAN SLEEPING ROOM	40	10	L/360
SLEEPING ROOMS	30	10	L/360
STAIRS	40	10	L/360
WIND LOAD	(BASED ON TABLE R301.2(4) WIND ZONE AND EXPOSURE)		
GROUND SNOW LOAD: Pg	20 (PSF)		
SEISMIC DESIGN CATEGORY:	B		

- I-JOIST SYSTEMS DESIGNED WITH 12 PSF DEAD LOAD AND DEFLECTION (IN) OF L/480

- FLOOR TRUSS SYSTEMS DESIGNED WITH 15 PSF DEAD LOAD

- CLADDING DESIGNED FOR:

120 MPH WIND ZONE			
	FLAT ROOF	POS. (PSF) PRESSURE	NEG. (PSF) PRESSURE
CABLE ROOF CLADDING	2.25 TO 5/12	+ 6.3	- 44.5
	5 TO 7/12	+ 9.6	- 49.8
	7 TO 12/12	+ 11.6	- 41.9
	7 TO 12/12	+ 14.2	- 35.3
HIP ROOF CLADDING	2.25 TO 5/12	+ 11.6	- 36.6
	5 TO 7/12	+ 11.6	- 28.7
	7 TO 12/12	+ 11.1	- 35.6
WALL CLADDING		+ 15.5	- 20.8

130 MPH WIND ZONE			
	FLAT ROOF	POS. (PSF) PRESSURE	NEG. (PSF) PRESSURE
CABLE ROOF CLADDING	2.25 TO 5/12	+ 7.4	- 52.2
	5 TO 7/12	+ 11.3	- 58.4
	7 TO 12/12	+ 13.6	- 49.2
	7 TO 12/12	+ 16.7	- 41.4
HIP ROOF CLADDING	2.25 TO 5/12	+ 13.6	- 43
	5 TO 7/12	+ 13.6	- 33.7
	7 TO 12/12	+ 13	- 41.7
WALL CLADDING		+ 18.2	- 24.4

4. FOR 115 AND 120 MPH WIND ZONES, FOUNDATION ANCHORAGE IS TO COMPLY WITH SECTION R403.1.6 OF THE NRC, 2024 EDITION. FOR 130 MPH, 140 MPH, AND 150 MPH WIND ZONES, FOUNDATION ANCHORAGE IS TO COMPLY WITH SECTION 4504 OF THE NRC, 2024 EDITION.

5. ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 11 OF THE NRC, 2024 EDITION.

FOOTING AND FOUNDATION NOTES

1. FOUNDATION DESIGN BASED ON A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 PSF. CONTACT GEOTECHNICAL ENGINEER IF BEARING CAPACITY IS NOT ACHIEVED.
2. 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 ASSURE UNIFORM SUPPORT OF THE SLAB, AND EXCEPT WHERE APPROVED, THE FILL DEPTHS SHALL NOT EXCEED 24" FOR CLEAN SAND OR GRAVEL. EXCEPTION: #57 OR #67 STONE MAY BE USED AS FILL FOR MAXIMUM DEPTH OF 4 FEET WITHOUT CONSOLIDATION. A 4" THICK BASED COURSE CONSISTING OF CLEAN GRADED SAND OR GRAVEL SHALL BE PLACED. A BASE COURSE IS NOT REQUIRED WHERE A CONCRETE SLAB IS INSTALLED ON WELL-DRAINED OR SAND-GRAVEL MIXTURE SOILS CLASSIFIED AS GROUP 1, ACCORDING TO THE UNITED SOIL CLASSIFICATION SYSTEM IN ACCORDANCE WITH TABLE R405.1 OF THE NRC, 2024 EDITION.
3. PROPERLY DEWATER 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 SAWED WITHIN 4 TO 12 HOURS OF CONCRETE FINISHING AND WALL LOCATIONS HAVE BEEN MARKED. ADJUST WHERE NECESSARY.
4. CONCRETE SHALL CONFORM TO SECTION R402.2 OF THE NRC, 2024 EDITION. CONCRETE REINFORCING STEEL TO BE ASTM A615 GRADE 60. WELDED WIRE FABRIC TO BE ASTM A185. MAINTAIN A MINIMUM CONCRETE COVER AROUND REINFORCING STEEL OF 3" IN FOOTINGS AND 1 1/2" IN SLABS. FOR POURED CONCRETE WALLS, CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE INSIDE FACE OF THE WALL SHALL NOT BE LESS THAN 3/4". CONCRETE COVER FOR REINFORCING STEEL MEASURED 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 #6 BARS OR LARGER.
5. MASONRY UNITS TO CONFORM TO ACE 530/ASCE 5/TMS 402. MORTAR SHALL CONFORM TO ASTM C270.
6. THE UNSUPPORTED HEIGHT OF MASONRY PIERS SHALL NOT EXCEED FOUR TIMES THEIR LEAST DIMENSION FOR UNFILLED HOLLOW CONCRETE MASONRY UNITS AND TEN TIMES THEIR LEAST DIMENSION FOR SOLID OR SOLID FILLED PIERS. PERS MAY BE FILLED SOLID WITH CONCRETE OR TYPE M OR S MORTAR. PIERS AND WALLS SHALL BE CAPPED WITH 8" OF SOLID MASONRY.
7. THE CENTER OF EACH OF THE PIERS SHALL BEAR IN THE MIDDLE THIRD OF ITS RESPECTIVE FOOTING. EACH GIRDER SHALL BEAR IN THE MIDDLE THIRD OF THE PIERS.
8. ALL CONCRETE AND MASONRY FOUNDATION WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF SECTION R404 OF THE NRC, 2024 EDITION OR IN ACCORDANCE WITH ACI 318, ACI 332, NCMA TR68-A OR ACE 530/ASCE 5/TMS 402. MASONRY FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE R404.1.1.(1), R404.1.1.(2), R404.1.1.(3), OR R404.1.1.(4) OF THE NRC, 2024 EDITION. CONCRETE FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE R404.1.2(8) OF THE NRC, 2024 EDITION. STEP CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS AT 16" O.C. WHERE GRADE PERMITS (UNO).

FRAMING NOTES

1. ALL FRAMING LUMBER SHALL BE #2 SPF MINIMUM (Fb = 875 PSI, Fv = 375 PSI, E = 1600000 PSI) UNLESS NOTED OTHERWISE (UNO). ALL TREATED LUMBER SHALL BE #2 SYP MINIMUM (Fb = 975 PSI, Fv =175 PSI, E = 1600000 PSI) UNLESS NOTED OTHERWISE (UNO).
2. LAMINATED VENEER LUMBER (LVL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fb =2600 PSI, Fv = 285 PSI, E = 1900000 PSI. LAMINATED STRAND LUMBER (LSL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fb = 2325 PSI, Fv = 310 PSI, E = 1550000 PSI. PARALLEL STRAND LUMBER (PSL) UP TO 7" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc = 2500 PSI, E =1800000 PSI. PARALLEL STRAND LUMBER (PSL) MORE THAN 7" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc = 2900 PSI, E = 2000000 PSI. INSTALL ALL CONNECTIONS PER MANUFACTURER'S SPECIFICATIONS.
3. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS
- | | |
|--------------------------------|--------------------------------|
| A. W AND WT SHAPES: | ASTM A992 |
| B. CHANNELS AND ANGLES: | ASTM A36 |
| C. PLATES AND BARS: | ASTM A36 |
| D. HOLLOW STRUCTURAL SECTIONS: | ASTM A500 GRADE B |
| E. STEEL PIPE: | ASTM A53, GRADE B, TYPE E OR S |

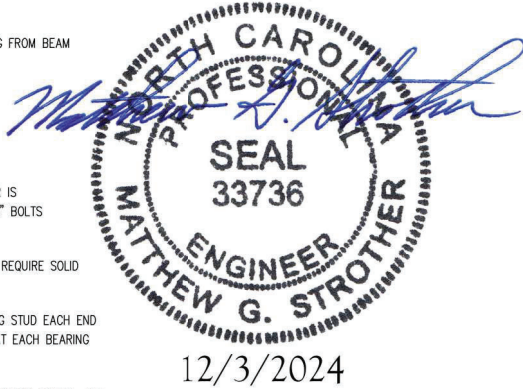
4. STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 1/2" AND FULL FLANGE WIDTH (UNO). PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED AT THE BOTTOM FLANGE TO EACH SUPPORT AS FOLLOWS (UNO):

- | | |
|----------------------------|--|
| A. WOOD FRAMING | (2) 1/2" DIA. x 4" LONG LAG SCREWS |
| B. CONCRETE | (2) 1/2" DIA. x 4" WEDGE ANCHORS |
| C. MASONRY (FULLY GROUTED) | (2) 1/2" DIA. x 4" LONG SIMPSON TITEN HD ANCHORS |
| D. STEEL PIPE COLUMN | (4) 3/4" DIA. A325 BOLTS OR 3/16" FILLET WELD |

LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDING THE JOISTS ARE TOE NAILED TO THE 2x NAILER ON TOP OF THE STEEL BEAM, AND THE 2x NAILER IS SECURED TO THE TOP OF THE STEEL BEAM w/ (2) ROWS OF SELF TAPPING SCREWS @ 16" O.C. OR (2) ROWS OF 1/2" DIAMETER BOLTS @ 16" O.C. IF 1/2" BOLTS ARE USED TO FASTEN THE NAILER, THE STEEL BEAM SHALL BE FABRICATED w/ (2) ROWS OF 9/16" DIAMETER HOLES @ 16" O.C.

5. SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. SHADED SQUARES DENOTE POINT LOADS FROM ABOVE WHICH REQUIRE SOLID BLOCKING TO SUPPORTING MEMBER BELOW.
6. ALL LOAD BEARING HEADERS TO CONFORM TO TABLE R602.7(1) AND R602.7(2) OF THE NRC, 2024 EDITION OR BE (2) 2 x 6 WITH (1) JACK AND (1) KING STUD EACH END (UNO), WHICHEVER IS GREATER ALL HEADERS TO BE SECURED TO EACH JACK STUD WITH (4) 8d NAILS. ALL BEAMS TO BE SUPPORTED WITH (2) STUDS AT EACH BEARING POINT (UNO). INSTALL KING STUDS PER SECTION R602.7.5 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2024 EDITION.
7. ALL BEAMS, HEADERS, OR GIRDER TRUSSES PARALLEL TO WALL ARE TO BEAR FULLY ON (1) JACK OR (2) STUDS MINIMUM OR THE NUMBER OF JACKS OR STUDS NOTED. ALL BEAMS OR GIRDER TRUSSES PERPENDICULAR TO WALL AND SUPPORTED BY (3) STUDS OR LESS ARE TO HAVE 1 1/2" MINIMUM BEARING (UNO). ALL BEAMS OR GIRDER TRUSSES PERPENDICULAR TO WALL AND SUPPORTED BY MORE THAN (3) STUDS OR OTHER NOTED COLUMN ARE TO BEAR FULLY ON SUPPORT COLUMN FOR ENTIRE WALL DEPTH (UNO). BEAM ENDS THAT BUTT INTO ONE ANOTHER ARE TO EACH BEAR EQUAL LENGTHS (UNO).
8. FLITCH BEAMS SHALL BE BOLTED TOGETHER USING 1/2" DIAMETER BOLTS (ASTM A307) WITH WASHERS PLACED AT THREADED END OF BOLT. BOLTS SHALL BE SPACED AT 24" CENTERS (MAXIMUM), AND STAGGERED AT TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH (2) BOLTS LOCATED AT 6" FROM EACH END (UNO).
9. ALL I-JOIST OR TRUSS LAYOUTS 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.
10. BRACED WALL PANELS SHALL BE CONSTRUCTED ACCORDING TO THE NORTH CAROLINA RESIDENTIAL CODE 2024 EDITION WALL BRACING CRITERIA. THE AMOUNT, LENGTH, AND LOCATION OF BRACING SHALL COMPLY WITH ALL APPLICABLE TABLES IN SECTION R602.10.
11. PROVIDE DOUBLE JOIST UNDER ALL WALLS PARALLEL TO FLOOR JOISTS. PROVIDE SUPPORT UNDER ALL WALLS PARALLEL TO FLOOR TRUSSES OR I-JOISTS PER STRUCTURAL PLAN. INSTALL BLOCKING BETWEEN JOISTS OR TRUSSES FOR POINT LOAD SUPPORT FOR ALL POINT LOADS ALONG OFFSET LOAD LINES.
12. FOR ALL HEADERS SUPPORTING BRICK VENEER THAT ARE LESS THAN 8'-0" IN LENGTH, REST A 6" x 4" x 5/16" STEEL ANGLE WITH 6" MINIMUM EMBEDMENT AT SIDES FOR BRICK SUPPORT (U.N.O.). FOR ALL HEADERS 8'-0" AND GREATER IN LENGTH, BOLT A 6" x 4" x 5/16" 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 4" x 5/16" STEEL ANGLE TO (2) 2 x 10 BLOCKING INSTALLED w/ (4) 12d NAILS EA. PLY BETWEEN WALL STUDS WITH (2) ROWS OF 1/2" LAG SCREWS AT 12" O.C. STAGGERED AND IN ACCORDANCE WITH SECTION R703.8.2.1 OF THE NRC, 2024 EDITION.
13. FOR STICK FRAMED ROOFS: CIRCLES DENOTE (3) 2 x 4 POSTS FOR ROOF MEMBER SUPPORT. HIP SPLICES ARE TO BE SPACED A MINIMUM OF 8'-0". FASTEN MEMBERS WITH THREE ROWS OF 12d NAILS AT 16" O.C. FRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS AS SHOWN (UNO).
14. FOR TRUSSED ROOFS: FRAME DORMER WALLS ON TOP OF 2 x 4 LADDER FRAMING AT 24" O.C. BETWEEN ADJACENT ROOF TRUSSES. STICK FRAME OVER-FRAMED ROOF SECTIONS WITH 2 x 8 RIDGES, 2 x 6 RAFTERS AT 16" O.C. AND FLAT 2 x 10 VALLEYS (UNO).
15. ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 700 LB CAPACITY UPLIFT CONNECTORS TOP AND BOTTOM (UNO.) POSTS MAY BE SECURED TO WOOD FRAMING WITH SIMPSON CS16 COIL STRAPPING WITH 9" END LENGTHS OR (2) 6" LONG SIMPSON SDS SCREWS (OR EQUAL) DRIVEN AT AN ANGLE FROM OPPOSITE SIDES. FOR MASONRY OR CONCRETE FOUNDATION USE SIMPSON POST BASE.
16. CONSTRUCT ALL WOOD DECKS ACCORDING TO CHAPTER 47--WOOD DECKS.

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