SUPERVISOR/ADMINISTRATIVE PROFESSIONAL CHECKLIST

NEW SEPTIC ☐ NEW WELL ☐ USE EXISTING ☑ MODIFIED PLOT PLAN ☐

New Septic Fees Paid

IP ($250.00) _____ Initial/Date

CA ($200.00) _____Initial/Date

OP ($200.00) _____Initial/Date

(CA and OP fees need to be paid before a building permit can be issued)

New Well Fees Paid: $550.00 _____ Initial/Date

Use Existing Fees Paid: $100.00 SP 11/2/21 Initial/Date

Alteration Fees Paid: $300 Total $200 _____Initial/Date (If use existing was part of payment)

Modified Plot Plan Fees Paid: $100.00 _____Initial/Date

Floor plans need to be submitted and reviewed before CA can be issued ☐ Review ☐

This site is served by septic and well. Verify each is complete before final hold is released ☐

Septic file complete ☐_____ Well complete ☐ _____

Send permit for signature ☐ Signature received ☐ _____

This septic system requires a certified operation contract before final hold is released ☐

Certified operator contract is on file ☐ _____

16352
12619

28 OCT '21 AM 7:34

MECKLENBURG COUNTY
HEALTH DEPARTMENT

APPLICATION FOR APPROVAL TO USE AN EXISTING ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM / WATER SUPPLY WELL

APPLICATION TYPE: (●) SEPTIC ONLY ( ) WELL ONLY ( ) SEPTIC & WELL
( ) ADDITION OR RENOVATION WITH OCCUPANCY INCREASE ( ) EXCHANGE MOBILE HOME (SAME # BEDROOMS)
(●) ADDITION OR RENOVATION WITH NO OCCUPANCY INCREASE ( ) COMMERCIAL OR INDUSTRIAL

PERSON FILING APPLICATION:
NAME: Debbie Howell
ADDRESS: 3919 Pleasant Plains Rd.
CITY: Matthews
STATE: NC ZIP: 28104
PHONE: (704) 684-1205
ALTERNATE PHONE:
E-MAIL: debbie@persisnova.com

PROPERTY OWNER: ☐ SAME AS PERSON FILING APPLICATION
NAME: Mark Walters
ADDRESS: 10610 Metromont Pky.
CITY: Charlotte
STATE: NC ZIP: 28269
PHONE: (704) 968-7262
ALTERNATE PHONE:
E-MAIL: Mark@mwproperties.com

JOB LOCATION INFORMATION
TAX PARCEL #: 21702112
STREET ADDRESS: 15700 Youngblood Rd.
CITY: Charlotte
STATE: NC ZIP: 28278

SUBDIVISION OR MOBILE HOME PARK NAME:
NA
LOT #:

WATER SUPPLY:
( ) MUNICIPAL ( ) PRIVATE WELL ( ) PUBLIC WELL ( ) SHARED WELL (●) OTHER City Water

RESIDENTIAL PROPERTY TYPE: ( ) N/A
( ) HOUSE ( ) MODULAR HOME ( ) MULTIPLE FAMILY
( ) SINGLE MOBILE HOME ( ) DOUBLE WIDE
(●) OTHER 2-Car Detached Garage

OCCUPANCY (both fields are required):
NUMBER OF BEDROOMS: 4
NUMBER OF OCCUPANTS: 3

COMMERCIAL / INDUSTRIAL PROPERTY TYPE: ☐ N/A
TYPE OF BUSINESS:
EMPLOYEES PER SHIFT:
OF SHIFTS:
INDUSTRIAL WASTES? ( ) YES ( ) NO
UNDERGROUND STORAGE TANKS? ( ) YES ( ) NO

ADDITION/RENOVATION TYPE ATTACHED TO EXISTING STRUCTURE:
☐ BEDROOM ☐ BATHROOM ☐ KITCHEN ☐ DINING ROOM ☐ LIVING ROOM ☐ DEN
☐ GARAGE ☐ SUNROOM ☐ PORCH ☐ DECK ☐ OTHER

ADDITION/RENOVATION TYPE DETACHED FROM EXISTING STRUCTURE:
☐ DETACHED GARAGE ☒ DETACHED GARAGE WITH PLUMBING ☐ POOL HOUSE ☐ SHOP ☐ BARN
☐ STORAGE SHED ☐ DETACHED PORCH / DECK ☐ OTHER

*The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

D Howell
Owner's/Agent's Signature

10/27/21
Date

Denied Due to garage having a bedroom.

A PROPOSED PLOT PLAN (see page 2) is required to be submitted with each application.

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

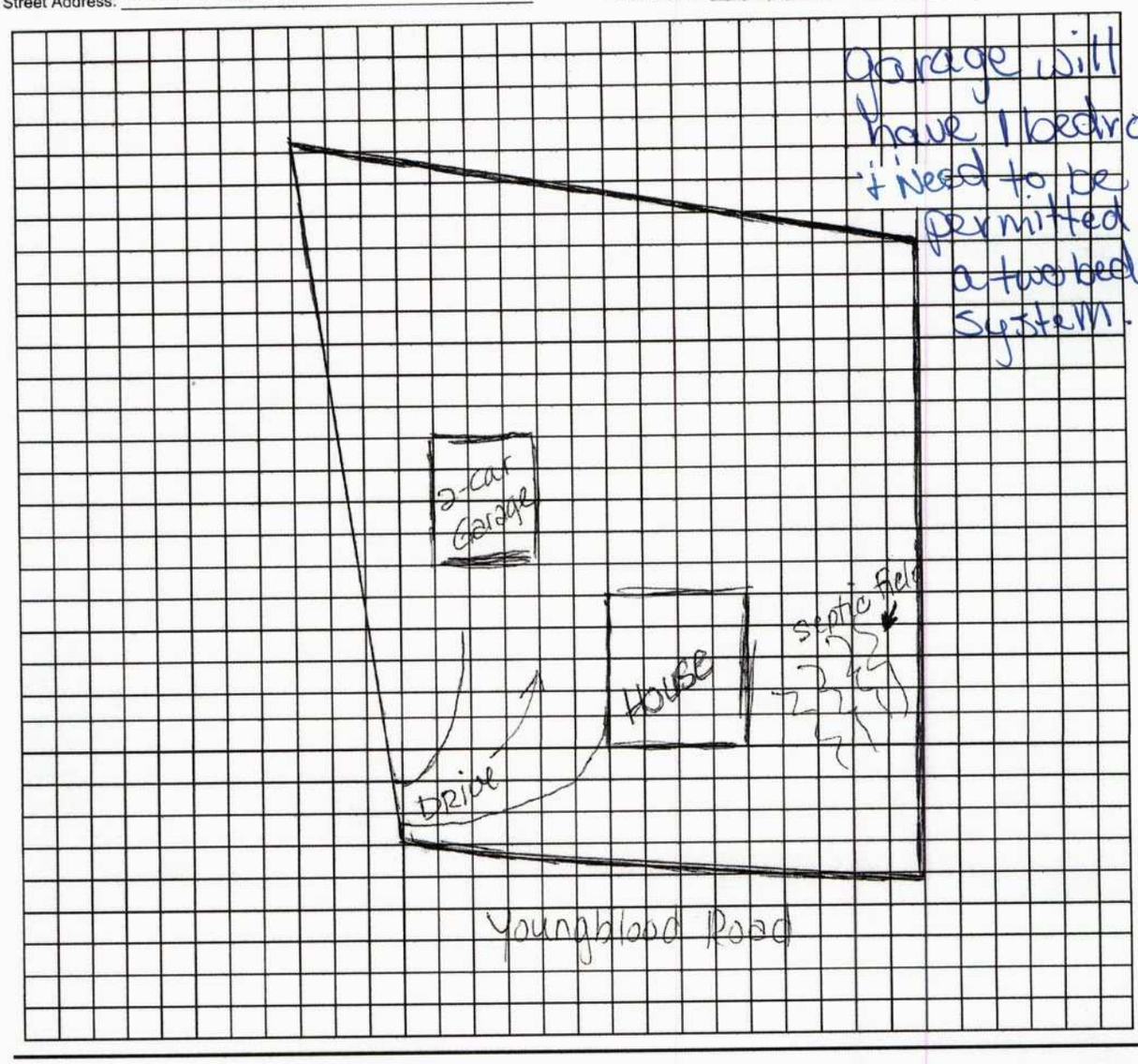
Revised on: 01/03/11

File #: _____

PROPOSED PLOT PLAN

A drawing showing the locations of the following items is required: existing and proposed property lines with dimensions, easements or right-of-ways, proposed building pad(s) or existing building footprint(s), all appurtenances (garage, driveway, deck, pool, etc.), location of existing or proposed well(s), location of existing or proposed sewer lines and sewage disposal systems, surface water bodies, and any aboveground or underground storage tanks. Provide names for all roads that adjoin the property.

Street Address: 15700 Youngblood Rd. Tax Parcel #: 21702112



*The undersigned, an authorized agent of the Mecklenburg County Health Department, certifies that the Department has approved the Request for the "Job Location" contained in this document. This approval is granted in accordance with the provisions of Laws and Rules for Sanitary Sewage Collection, Treatment, and Disposal and Water Supply Wells in effect at the time of issuance of the permit and is

- No work shall be conducted on the septic tank system until an installation, construction, alteration and/or repair approval is granted by this Department.
- This permit is not transferable.
- Addition/Renovation approval valid 1 year from issuance date
- Mobile home exchange approval valid 6 months from issuance date

will need to Apply for a new system.

April Berrigan 11-23-21
REHS Signature Date

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

Revised on: 01/03/11

Denied

MECKLENBURG COUNTY
Health Department

Gibbie Harris, MSPH, BSN
Director

(980) 314-9020

Addendum to Application for
New Well or Septic System Installation
Abandonment or Repair of Existing Well or Septic System

Your signature below confirms the following:

1. The information on the application is true, complete and accurate.
2. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliances with applicable laws and rules.
3. I acknowledge that Debbie C Howell is acting as my legal representative (agent) in the submittal of the application for a water supply well or septic permit located at

15700 Youngblood Rd. Charlotte NC 28278
Number Street Town
(Or Parcel Number)

Mark Walters
Property Owner (print name)

Mark Walters
Property Owner (signature)

Date

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 11/02/21
Receipt #: 131308
Check / Auth #: CHARGE
Received By: PLACILJ

Amount: 100.00
Tendered: 100.00
Returned: 0.00

Account Information

Account #: X36751
Contractor: PERSIS-NOVA CONSTRUCTION CO
Attn:
Address: 3919 PLEASANT PLAINS RD
Address:
City/State/Zip: MATTHEWS, NC 28105

Item	Description	Permit#	Quantity	Unit Price	Total Price
0705	Use Existing System 15700 YOUNGBLOOD RD		1	100.00	100.00

----------Outstanding Balances----------

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
100.00	1,866.29				

MECKLENBURG COUNTY
Health Department

Gibbie Harris, MSPH, BSN
Health Director

(704) 336-4700

November 23, 2021

Mark Walters
10610 Metromont Pky.
Charlotte NC 28269

Re: Application for approval to use an existing on-site wastewater treatment & disposal system.
Property Location: 15700 Young Blood Rd
Health Department File Number: **16352**

Dear Property Owner or Owner's Agent:

On October 29, 2021 the Mecklenburg County Health Department, Groundwater & Wastewater Services Section, evaluated the above-referenced property to determine if approval to use an existing on-site wastewater treatment & disposal system could be granted for your proposed project. This evaluation was done in accordance with the laws and rules governing wastewater systems in North Carolina General Statute 130A-333 and related statutes, Title 15A, Subchapter 18A, of the North Carolina Administrative Code, Rule .l900 and related rules, and the Mecklenburg County Groundwater Well Regulations.

Based on the information provided in the application, dated October 28, 2021 and findings from the site evaluation conducted by our office, your request for approval to use an existing on-site wastewater treatment & disposal system is **not** being granted. This decision is based on the following conditions that were identified during the site visit:

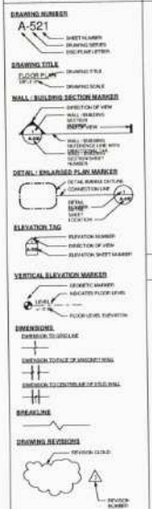
- ☐ The existing on-site wastewater treatment & disposal system was not functioning properly at the time the site evaluation was conducted.
- ☐ The proposed plans do not meet the required setbacks for the on-site wastewater treatment & disposal system serving the property.
- ☐ The proposed plans do not meet the required setbacks for the reserved repair area for an on-site wastewater treatment & disposal system.
- ☐ The proposed plans do not meet the required setbacks for water supply wells.
- ☒ The proposed project will exceed the permitted daily design flow for the existing on-site wastewater treatment & disposal system. System alteration will be required in order to accommodate your proposed project.

If you need any additional information or assistance please contact our office at (980) 413-1680.

Sincerely,
April Bumgarner, REHS
April Bumgarner, REHS
Environmental Specialist

Encl: (1) Application

LEGEND



ABBREVATIONS

A.F.F.	ABOVE FINISHED FLOOR	P.C.	PRESSURE TREATED
ARCH.	ARCHITECTURAL DETAILS TYP.	PTD.	PAINTED
ALUM.	ALUMINUM	QUARRY	QUARRY TILE
APPROX.	APPROXIMATELY	REINF.	REINFORCED
QTY.	QUANTITY	R.D.	ROOF DRAIN
CB.	CASE BEAD	R.L.	ROOF LEADER
CB.	CEMENT BOARD	R.O.	ROUGH OPENING
CT.	CERAMIC TILE	RUB.	RUBBER BASE
CLG.	CEILING TYP.	SAN.	SANITARY CONCRETE
CMU.	CONCRETE MASONRY UNIT	SCT.	SOLID CORE DOOR
CONT.	CONTINUOUS	S.S.W.	SOLID CORE FLUSH WALL PANEL
CPT.	CARPET TILE	SQUARE	SQUARE
CARRL.	CULTURED MARBLE	S.S.	STAINLESS STEEL
DIA.	DIAMETER	S.T.	STAIR TREAD
D.G.	DURAN GRAVE	STRUCT.	STRUCTURAL
DWGS.	DRAWINGS	STRUCT.	STRUCTURAL
E.W.C.	ELECTRIC WATER COOLER	T.B.	TUBE SHAPED TYPE
EXP. JT.	EXPANSION JOINT	T.C.	TOILET COMPARTMENTS
EXT.GWB.	EXT. GYPSUM WALL BOARD	T.P.	TOILET PAPER DISP.
FIBERGLASS	FIBERGLASS REINFORCED	T.S.	TUBULAR STEEL
FIX.	FIXTURE	TYP.	TYPICAL OR TYP.
F.E.C.	FIRE EXTINGUISHER CABINET	VERT.	VERTICAL
F.D.	FLOOR DRAIN	V.C.T.	VINYL COMPOSITION TILE
FTG.	FOOTING	V.W.C.	VINYL WALL COVERING
GA.	GAUGE		
GWB.	GYPSUM WALL BOARD		
H.C.WD.	HOLLOW CORE WOOD		
H.M.	HOLLOW METAL DOOR FRAME TYPE		
H.V.	HOOD VENT		
I.D.	INSIDE DIAM.		
LAM.	LAMINATE		
MECH.	MECHANICAL		
MTD.	MASONRY OPENING		
MTL.	MALLEABLE TYPE NUMBER		
NOM.	NOMINAL OR NOMINALLY		
N.I.C.	NOT IN CONTRACT		
O.C.	OVER HANG		
O.H.	OVER HEAD DOOR		
OPT.	OPERATOR HAND		
P. LAM.	PLASTIC LAMINATE		
PNT.	PAINT COLOR		
POLY.	POLYETHYLENE		

AREA CALCULATIONS

Area Schedule 1st Floor

Floor	Name	Area
1st Floor Plan	unheated	713 SF
1st Floor Plan	exterior	108 SF
1st Floor Plan	heated	79 SF
		892 SF

Area Schedule 2nd Floor

Floor	Name	Area
2nd Floor Plan	heated	724 SF
2nd Floor Plan	exterior	108 SF
		832 SF

Area Totals

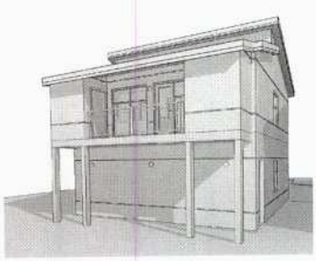
Type	Area
exterior	216 SF
heated	795 SF
unheated	713 SF
	1724 SF

DRAWING INDEX

1.0	FLOOR PLANS
1.4	REFLECTED CEILING PLANS
2.0	BUILDING ELEVATIONS
3.0	BUILDING SECTIONS
8.2	ROOF DETAILS
GN.1	GENERAL NOTES
S.1	GARAGE STRUCT. PLANS
S.2	GARAGE STRUCT. PLANS

3D VIEWS

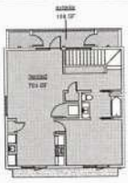




AREA PLANS

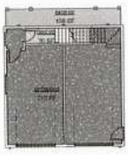
SF Calculations

- exterior
- heated



SF Calculations

- exterior
- heated
- unheated



db
dave bolton
NCARB, LEED AP DD + C
110 Rockbound Drive,
Dahlonega, GA 30533

CONSULTANTS

WALTER'S ACCESSORY

Charlotte, NC

COVER SHEET

Project Number	21-001
Date	10.04.21
Drawn By	dmb
Checked By	tg
	C.1
Scale	As indicated

10/4/2021 7:32:48 PM

GENERAL PLAN NOTES

1. DRAWINGS ARE NOT TO BE SCALED. DIMENSIONS OR DATA TO BE GIVEN SHALL BE CLEARED WITH ARCHITECT.
2. ALL EXTERIOR DIMENSIONS ARE SHOWN TO THE OUTSIDE FACE OF STUD UNLESS OTHERWISE NOTED.
3. ALL INTERIOR DIMENSIONS ARE SHOWN TO THE INSIDE FACE OF STUD UNLESS OTHERWISE NOTED.
4. ALL INTERIOR WALLS ARE ASSUMED TO BE 3 1/2" W/2X6 STUDS UNLESS OTHERWISE NOTED.
5. ALL EXTERIOR WALLS ARE ASSUMED TO BE 5 1/2" WOOD STUDS (R-19 + 5/8" EXTERIOR SHEATHING) UNLESS OTHERWISE NOTED.
6. NOT USED
7. ALL SHED FLOOR FRAMING TO BE 16" OPEN WEB JOISTS @ 16" O.C. UNLESS OTHERWISE NOTED.
8. ALL FLOOR SHEATHING TO BE 3/4" T&G UNLESS OTHERWISE NOTED.
9. ALL DOORS TO BE CENTERED, WALLS OTHERWISE NOTED.
10. PROVIDE WOOD BLOCKING IN WALLS FOR MOUNTING OF ALL CABINETS, TUB ETC. AS REQUIRED. COORDINATE WITH CABINET SHOP DRAWINGS.
11. ALL CONCRETE TO BE DESIGNED BY OTHERS AND SHALL MEET ALL APPLICABLE ACCESSIBILITY CODES (IF REQUIRED).
12. ALL DOOR AND DOOR SELECTIONS TO BE APPROVED BY ARCHITECT.
13. ALL HEADER TOP EXTENDED HEADERS TO BE 18" O.C. UNLESS AT LOCATIONS WHERE 4 OR MORE JACK STUDS ARE REQUIRED.
14. ALL PRIVATE SEWER TO BE DESIGNED BY OTHERS.
15. PROVIDE SEWER CLEANOUT AT FOUNDATION AS REQUIRED.
16. WALL IS TO HAVE 10"CLEAR ACCESS DOOR AS FULL DOWN LIBRARY TO BE DETERMINED ON SITE.
17. ALL COUNTERTOPS TO BE 36" A.F.F., UNLESS OTHERWISE NOTED.
18. ALL FIRST FLOOR SHT. DOORS TO BE 8'-0" HIGH UNLESS OTHERWISE NOTED. ALL SECOND FLOOR DOORS TO BE 7'-0" H.N.O.

HANDRAILS/GUARDS NOMINAL WALL WIDTH IN SCHED.

TYPICAL HANGERS FOR JOIST AND BEAMS

HANGER	HANGER
2 x 6	LSU26
2 x 8	LSU28
2 x 10	LSU210
2 - 2 X 8	HUS28-2
2 - 2 X 10	HUS210-2
2 - 2 X 12	HUS212
3 - 2 X 8	LSU28-3
3 - 2 X 10	HUS210-3
3 - 2 X 12	HUS212-3MIN
2 3/16" X 9 1/4" LVL	HUS26/9
2 3/16" X 11 7/8" LVL	HUS26/10
2 3/16" X 14" LVL	HUS26/12
2 3/16" X 16" LVL	HUS26/14
2 3/16" X 18" LVL	HUS26/16
2 5/16" X 9 1/4" LVL	HUS26/9
2 5/16" X 11 7/8" LVL	HUS26/10
2 5/16" X 14" LVL	HUS26/12
2 5/16" X 16" LVL	HUS26/14
2 5/16" X 18" LVL	HUS26/16
3 5/16" X 9 1/4" LVL	HUS26-2/9
3 5/16" X 11 7/8" LVL	HUS26-2/10
3 5/16" X 14" LVL	HUS26-2/12
3 5/16" X 16" LVL	HUS26-2/14
3 5/16" X 18" LVL	HUS26-2/16
4 5/16" X 9 1/4" LVL	HUS26-3/9
4 5/16" X 11 7/8" LVL	HUS26-3/10
4 5/16" X 14" LVL	HUS26-3/12
4 5/16" X 16" LVL	HUS26-3/14
4 5/16" X 18" LVL	HUS26-3/16

ALL HANGERS BY SIMPSON STRONG-TIE CO., INC. (OR EQUIVALENT EQUIPMENT ACCEPTABLE)

FIRST FLOOR NOTES

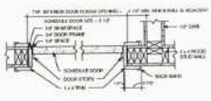
- ALL SECOND FLOOR FRAMING TO BE 16" OPEN WEB JOISTS @ 16" O.C. UNLESS OTHERWISE NOTED.
- ALL SECOND FLOOR SHEATHING TO BE 3/4" T&G UNLESS OTHERWISE NOTED.
- ADD ALL 4 HANGERS OF 2X FACTOR WHERE NO BEARING CAN BE MADE FOR AT THE FIRST FLOOR LEVEL'S WALL.
- ALL INTERIOR WALLS ARE ASSUMED TO BE 3 1/2" W/2X6 STUDS UNLESS OTHERWISE NOTED. ALL INTERIOR PARTITION WALLS ARE ASSUMED TO BE 3 1/2" W/2X4 STUDS UNLESS OTHERWISE NOTED.
- FLOOR LOADS FROM THE SECOND FLOOR AND ALL TRANSFERRED DOWN THROUGH TO THE FIRST FLOOR WITH THE SAME AMOUNT OF STUDS.

WALL STUD REQUIREMENTS

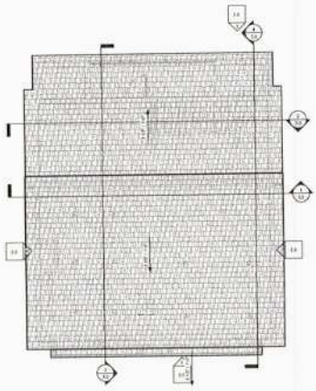
EXT. WALL HT. IN	STUD SIZE & SPACING
h = 10'-0"	2X4 @ 16" OC
10'-0" < h < 11'-0"	2X4 @ 12" OC
11'-0" < h < 12'-0"	2X6 @ 16" OC
h > 12'-0"	CONSULT ENGINEER



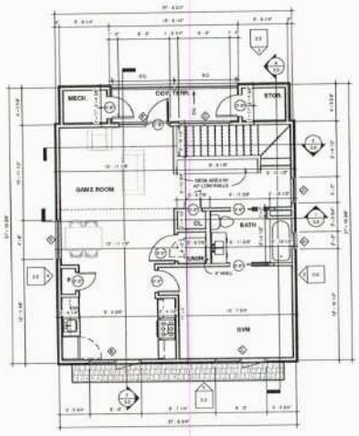
5 EMERGENCY EGRESS DETAIL
scale: 1/4" = 1'-0"



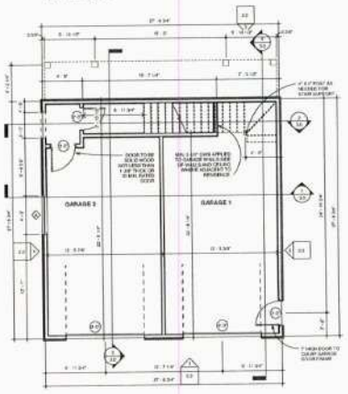
4 TYP. INT. DOOR JAMB DETAIL
scale: 1 1/2" = 1'-0"



3 Roof
scale: 1/4" = 1'-0"



2 2nd Floor Plan
scale: 1/4" = 1'-0"



1 1st Floor Plan
scale: 1/4" = 1'-0"

db
Steve Bolliou
NCARB, LEED AP BD + C
110 Rockhaven Drive,
Ballstonga, GA 30533

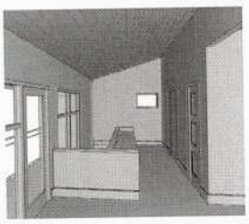
CONSULTANTS

WALTER'S ACCESSORY

Charlotte, NC

FLOOR PLANS

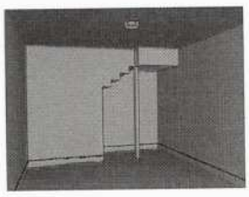
Project Number	21-001
Date	10.04.21
Drawn By	dmb
Checked By	bb
	1.0
Scale	As indicated



7 3D View Desk



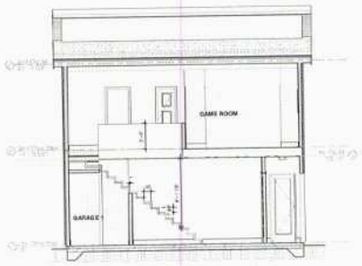
6 3D View Game Room



5 3D View Garage 1



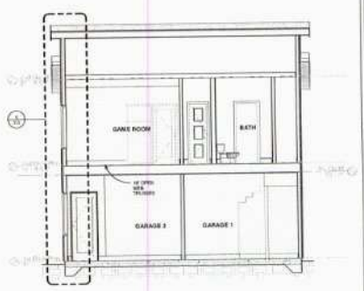
4 Section 4



2 Section 2



3 Section 3



1 Section 1

db
Bona Dellaire
NCARB, LEED AP BD + C
119 Rockhound Drive,
Dallasville, GA 39533

CONSULTANTS

WALTER'S ACCESSORY
Charlotte, NC

BUILDING SECTIONS

Project Number	21-001
Date	10.04.21
Drawn By	dmb
Checked By	Checker
	3.0
Scale	1/4" = 1'-0"

ELECTRICAL LEGEND

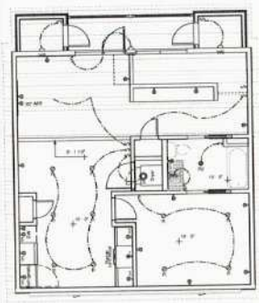


NOTE

ELECTRICAL LAYOUTS ARE NOT TO SCALE FOR FORMAT AND ARE FOR SCHEMATIC USE ONLY. TO BE COORDINATED DIRECTLY WITH THE OWNER, THE CO, AND THE ELECTRICAL CONTRACTOR.

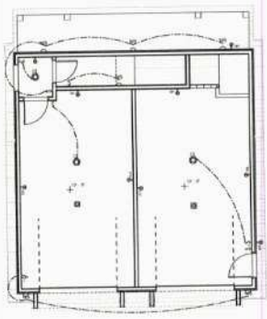
2 2nd floor rcp

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



1 1st floor rcp

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



db

dana bolton
NCARB, LEED AP BD + C

119 Rockhaven Drive,
Dahlonega, GA 30533

Dana Bolton
ARCHITECT

CONSULTANTS

WALTER'S ACCESSORY

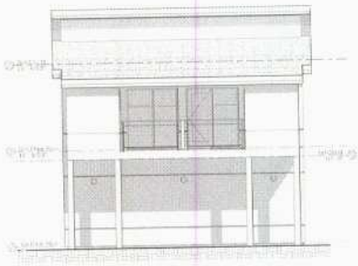
Charlotte, NC

REFLECTED CEILING PLANS

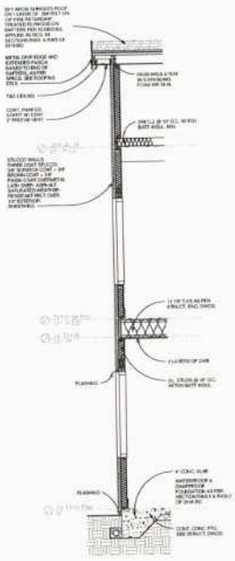
Project Number	21-001
Date	10.04.21
Drawn By	dmb
Checked By	Checker
	1.4
Scale	1/4" = 1'-0"



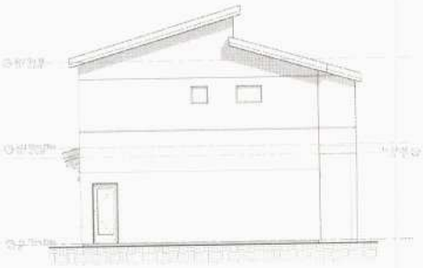
4 Elevation 4 - a



3 Elevation 3 - a



5 Garage Wall Section



2 Elevation 2 - a



1 Elevation 1 - a

db

dbura berkes
NCARB, LEED AP BD + C

119 Rockwood Drive,
Dahlonega, GA 30533

CONSULTANTS

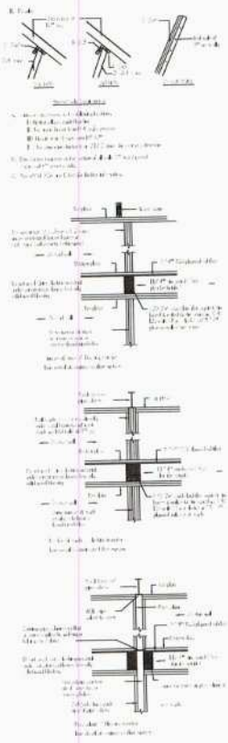
WALTER'S ACCESSORY

Charlotte, NC

BUILDING ELEVATIONS

Project Number	21-001
Date	10.04.21
Drawn By	drnb
Checked By	Checker
	2.0
Scale	As indicated

GENERAL NOTES



Typical Point Load Details

Residential Structures, P.C.
Engineering and Design
Mailing Address
Charleston: 843-406-7174
Myrtle Beach/Florence: 704-391-6621
www.residentialstructuresnc.com

Walters Residence
Garage

REV.	DATE	DESCRIPTION
DESIGNER:		PRS
SCALE:		
DATE:		

GENERAL NOTES

SHEET:
GN1/S1

GENERAL NOTES

1. ALL DIMENSIONS SHALL BE VERIFIED AGAINST ARCHITECTURAL PLANS.
2. SEE DETAILS FOR TYPICAL FOUNDATION REINFORCEMENT.
3. TRANSFER ALL FLOOR LOADS AROUND TO FOUNDATION WITH MINIMUM NUMBER OF STEPS.
4. ALL CONCRETE TO BE 3000 PSI MIN.
5. SOIL TO HAVE MIN 2000 PSF BEARING CAPACITY.
6. ALL FOOTINGS TO BEAR MIN 12" BELOW GRADE OR AS RECOMMENDED PER GEOTECHNICAL EVALUATION.

FOOTING SCHEDULE

MARK	SIZE	REBAR
⚠1	24"X24"X12"	(3) #5 EACH WAY OR (3) #5 EACH WAY
⚠2	30"X30"X12"	(4) #5 EACH WAY OR (3) #5 EACH WAY

FRAMING NOTES

ALL ROOF SECTIONS TO BE SHEATHED W/ 7/16" OSB ATT'CHED TO ALL FRAMING MEMBERS WITH 8d NAILS @ 6" O.C. EDGE AND 12" MAX O.C. FIELD.

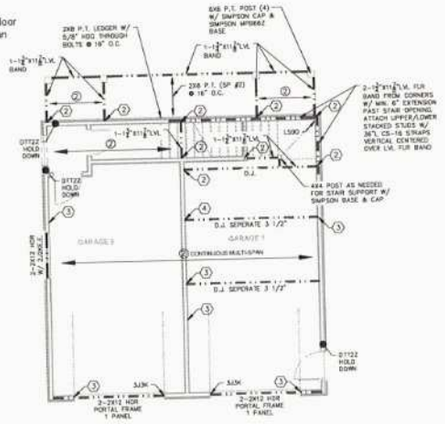
1. ALL RAFTERS TO BE ON 24" RO @ 16" O.C. U.N.O.
2. ALL RIDGES, HIPS, AND VALLEYS TO BE DIMENSION LUMBER (2PT #2 GRAIN OR BETTER UNLESS OTHERWISE NOTED).
3. AT CUT LINES, DEEPER JOISTS TO BE NAILED TO RAFTERS W/ 8d NAILS U.N.O.
4. INSTALL 4X CROSS FIRE LADDER ALL PARALLEL PARTITION WALLS, SUITE NOT ALL CROSS JOISTS SHOWN FOR CLARITY.
5. TRANSFER ALL POINT LOAD FROM ABOVE THROUGH FLOOR SYSTEM, ie: IN FLOOR, INSERT OF STUD MATERIAL.
6. ALL SPLY DJ'S SHALL TIE TOGETHER TO HAVE PLYS ATTACHED W/ (2) POWR PAK NAILS (SET) @ 12" O.C. STAGGERED (U.N.O.).
7. ALL SPLY DJ'S TO HAVE PLYS ATTACHED PER SPLY PROPERTIES ABOVE.
8. ALL SPLY DJ'S TO HAVE PLYS ATTACHED W/ (2) PWR KAK SW TRUSLOK SCREWS @ 24"O.C. STAGGERED (U.N.O.).
9. ALL DJ, PLY TO PLY FASTENERS TO HAVE 2" EDGE DISTANCE @ 12" SPLIT TO AVOID SPLITTING AT END GRAIN.
10. ALL MASONRY PENETRATIONS PER SIMPSON PRODUCTS (U.N.O.).
11. ALL EXTERIOR WALLS TO BE SHEATHED W/ 7/16" OSB ATTACHED TO FRAMING W/8d NAILS @ 6" O.C. EDGE AND 12" O.C. FIELD (PRIMER ACCORDING TO ALL PANEL SPLICES).
12. ALL HEADERS NOTED TO BE PORTAL FRAMED PER METHOD "PF" AND SHALL BE IN ACCORDANCE W/ THE DRAWING #2502.
13. ALL WALLS NOTED TO BE SHEATHED PER METHOD "GB" SHALL BE SHEATHED ON BOTH SIDES W/ MIN. 1/2" GYPSUM BOARD ATTACHED TO FRAMING W/ 5d COOLER NAILS OR #6 SCREWS @ 7" O.C. ALONG THE EDGES AND INTERFIELD.

FRAMING LEGEND

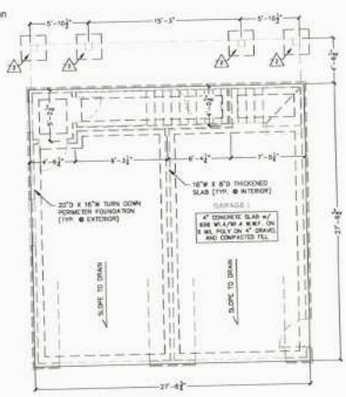
POST TO BEAR DOWN TO FOUNDATION

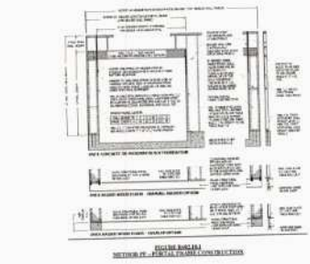
- P.T. = PRESSURE TREATED
- W.B. = WALL DESIGN TO HAVE NO INTERMEDIATE BEARING END
- S.T. = GIRDER TRUSS PER MANF.
- B.B. = BEAM BELOW
- D.H. = DOUBLE HEADER
- T.H. = TRIPLE HEADER
- F.R. = RAFTER STRUT
- BR.D.M. = BRACE RAFTERS DOWN
- D.J. = DOUBLE JOIST
- E.O.R. = EMBEDDED OF RECORD
- E.E. = EACH END
- E.S. = EACH SIDE
- E.W. = EACH WAY
- HDR = HEADER
- SHEAR = SHEARWALL NEMIC PROVIDE BLOCKING AT JOISTS PER SCHED.
- ANKER = ANCHOR BOLT AND HOOK TO FOUNDATION
- = EACH END
- = ROOF SHEAR POINT AS SPACE TOP UNIT
- = AREA TO BE GUARDED
- = INTERIOR BEARING WALL NUMBER OF STUDS STUDS TO BE SAME SIZE AS ADJACENT WALL IF NOTED OTHERWISE
- F = NOTE: STUD COUNTS DO NOT ACCOUNT FOR KING STUDS. SEE KING STUD CHART FOR TOTAL GARAGE END STUDS.
- G = 2-2X JOIST @ C.L.@ 16" O.C.
- H = 11 7/8" PSL@ 16" O.C. CONTINUOUS BEAM SPAN

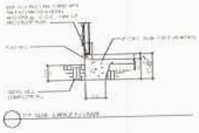
Garage 2nd Floor Framing Plan



Garage Foundation Plan







TYPICAL HANGERS

MEMBER	HANGER
2X6	LUS26
2X8	LUS210
2X10	LUS210
(2) 2X6	HUS26-3
(2) 2X8	HUS210-3
(2) 2X10	HUS210-3
(3) 2X6	LUS26-3
(3) 2X8	LUS210-3
(3) 2X10	LUS210-3
(2) 9 1/4"(2) 1 1/4" LVL	HGLS414
(2) 14"(2) 1 1/4" LVL	HGLS414
(3) 9 1/4" LVL	HGUS5.50/14
(3) 11 1/4" LVL	HGUS5.50/14
(3) 14"(3) 1 1/4" LVL	HGUS5.50/14
(4) 9 1/4" LVL	HGUS7.25/14
(4) 11 1/4" LVL	HGUS7.25/14
(4) 14"(4) 1 1/4" LVL	HGUS7.25/14

WALL STUD REQUIREMENTS

EXT. WALL HEIGHT	STUD SIZE AND SPACING
h ≤ 10'-0"	2X4 @ 16" O.C.
10'-0" < h ≤ 11'-0"	2X4 @ 12" O.C.
11'-0" < h ≤ 16'-0"	2X6 @ 12" O.C.
11'-0" < h ≤ 16'-0"	2X6 @ 16" O.C.
h > 19'-0"	CONSULT ENGINEER

KING STUD CHART

OPENING WIDTH (W)	# OF KINGS (U.N.O. ON PLANS)
0' < W ≤ 3'	1 EACH END
3' < W ≤ 6'	2 EACH END
6' < W ≤ 9'	3 EACH END
9' < W ≤ 12'	4 EACH END
12' < W ≤ 15'	5 EACH END
15' < W ≤ 18'	6 EACH END
18' < W ≤ 21'	7 EACH END

Residential Structures, P.C.
3410 N. Davidson St.
Charlotte, NC 28205
704-332-2460
Charleston: 843-406-7174
Myrtle Beach: 843-839-4021
www.residentialstructurespc.com

SEAL FOR STRUCTURAL ONLY

SC COA No. 3635
NC COA No. 3255

Residential Structures, P.C.
3410 N. Davidson St
Charlotte, NC 28205

Plans to be used in conjunction with Residential Structures P.C. general notes

Walters Residence Garage

REV.	DATE	DESCRIPTION

DESIGNER: SEW
DRAFTER: JKL
SCALE: 1/8"=1'-0"
DATE: 10/05/2021

Garage Structural Plans

SHEET:
S1

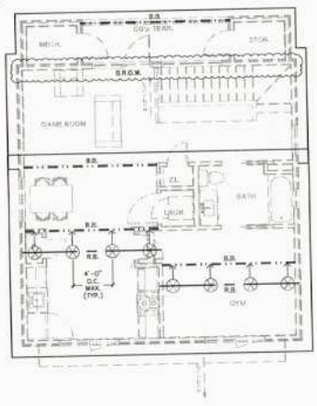
FRAMING NOTES

1. ALL ROOF SHEATHING TO BE SHEATHED IN THE DIRECTION AS NOTED ON ROOF FRAMING PLAN AND SHALL BE ATTACHED TO ALL FRAMING MEMBERS AS AVAILABLE @ 6" O.C. EDGE AND 12" O.C. FIELD.
2. ALL NAILING TO BE ON SPECIFIED @ 16" O.C. U.N.O.
3. ALL BEAMS, HDR, AND WALLS TO BE DIMENSIONAL LUMBER (DFL #2, GRADE # 1 SIZE LARGER THAN INDICATED IN PLANS) U.N.O.
4. AT CUT LINES, CEILING JOISTS TO BE NAILED TO RAFTERS w/ (5) 8d NAILS EACH.
5. INSTALL (4) EXTRA JOIST UNDER ALL PARALLEL PARTITION WALLS. NOTE NOT ALL EXTRA JOISTS SHOWN FOR CLARITY.
6. TRANSFER ALL POINT LOADS FROM ABOVE THROUGH FLOOR SYSTEM w/ NO EQUAL BASED OF STUD MATERIAL.
7. ALL 24"o/c LVL'S SHALL TO HAVE PLYW ATTACHED w/ (2) ROWS 16d NAILS (TYP.) @ 12"o/c STAGGERED U.N.O.
8. ALL 24"o/c LVL'S OF TO 21"o/c TO HAVE PLYW ATTACHED w/ (3) ROWS 16d NAILS @ 12"o/c STAGGERED U.N.O.
9. ALL 24"o/c LVL'S TO HAVE PLYW ATTACHED W/ 24"o/c SHEATHING SCREWS @ 12"o/c STAGGERED U.N.O.
10. ALL 48"o/c LVL'S TO HAVE PLYW ATTACHED W/ 24"o/c SHEATHING SCREWS @ 6"o/c STAGGERED U.N.O.
11. ALL PLY TO PLY CONNECTIONS TO HAVE 2" EDGE DISTANCE @ TOP BOTTOM AND 4" END DISTANCE
12. ALL LVL'S TO BE SPLICED OVER BEARING POINTS U.N.O.
13. ALL EXTERIOR WALLS TO BE SHEATHED W/ TYPE OSB ATTACHED TO FRAMING W/ 8d NAILS @ 6" O.C. EDGE AND 12" O.C. FIELD. PROVIDE BLOCKING @ ALL PANEL EDGES.
14. ALL HEADERS NOTED TO BE "BOREAL PRIMED" FOR METHOD "FP" AND SHALL BE BY WEYERHAEUSER OR THE EQUIVALENT.
15. ALL WALLS NOTED TO BE SHEATHED PER METHOD "BP" SHALL BE SHEATHED ON BOTH SIDES W/ MIN. 1/2" GYPSUM BOARD ATTACHED TO FRAMING W/ 5d COOLER NAILS (OR #6 SCREWS @ 7" O.C. ALONG THE EDGES AND INTERMEDIATE

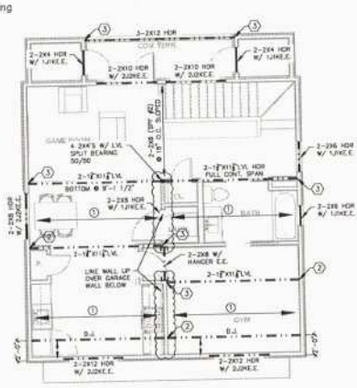
FRAMING LEGEND

- ROOF TRUSSES PER SHOP DRAWINGS (O.C.)
- P.T. = TRUSS DESIGN TO HAVE NOTED POINT LOADS (BEARING LOAD)
- GT. = GIRDER TRUSS PER SHOP
- BB. = BEAM SEAL
- DB. = DOUBLE RAFTER
- TR. = TRIPLE RAFTER
- FW. = RAFTER BRACE
- BRACE RAFTER (TYP.)
- D.J. = DOUBLE JOIST
- ENGINEER OF RECORD
- EX. = EXISTING
- EX. = EXISTING
- EW. = EXISTING
- HDR. = HEADER
- BEARING WALL ABOVE, PROVIDE SOLID BLOCKING AT SUPPORTS
- #1/#2 JACK STUDS AND #1/#2 KING STUDS @ EACH END
- ROOF BRACE POINT AND BRACE DIRECTION
- AREA TO BE UNDERFURRED
- INTERIOR BEARING WALL
- NUMBER OF STUDS. STUDS TO BECOME SEE AS HIGHLIGHTED IN TABLE STUDS U.N.O.
- NOTE: STUD COUNTS DO NOT ACCOUNT FOR KING STUDS. SEE KING STUD CHART FOR REQUIRED KING STUDS.
- = 24@ OFF 4/0 O.H. @ RT SID.
- = HOME RUN @ RT SID.

Garage Roof Framing Plan



Garage Ceiling Framing Plan



TYPICAL HANGERS

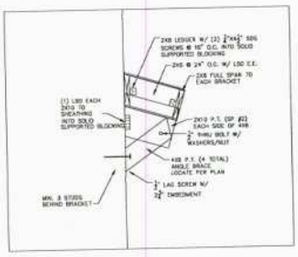
MEMBER	HANGER
2X8	LUS28
2X10	LUS210
2X12	LUS210
(2) 2X8	HUS28-2
(2) 2X10	HUS210-2
(2) 2X12	HUS212-2
(3) 2X8	LUS28-3
(3) 2X10	LUS210-3
(3) 2X12	LUS210-3
(2) 9 1/2" (2) 11 7/8" LVL	HGUS414
(2) 14" (2) 16" (2) 18" LVL	HGUS414
(3) 9 1/2" LVL	HGUS5.50/9
(3) 11 7/8" LVL	HGUS5.50/12
(3) 14" (2) 16" (2) 18" LVL	HGUS5.50/14
(4) 9 1/2" LVL	HGUS7.25/9
(4) 11 7/8" LVL	HGUS7.25/12
(4) 14" (2) 16" (2) 18" LVL	HGUS7.25/14

WALL STUD REQUIREMENTS

E.E. WALL HEIGHT	STUD SIZE AND SPACING
9 ≤ 10'-0"	2X4 @ 16" O.C.
10'-0" < h ≤ 11'-9"	2X4 @ 12" O.C.
13'-0" < h ≤ 16'-0"	2X6 @ 12" O.C.
11'-0" < h ≤ 16'-0"	2X6 @ 16" O.C.
h > 16'-0"	CONSULT ENGINEER

KING STUD CHART

OPENING WIDTH (W)	# OF KINGS (U.N.O. ON PLANS)
0 < W ≤ 3'	1 EACH END
3 < W ≤ 6'	2 EACH END
6' < W ≤ 9'	3 EACH END
9' < W ≤ 12'	4 EACH END
12' < W ≤ 15'	5 EACH END
15' < W ≤ 18'	6 EACH END
18' < W ≤ 21'	7 EACH END



Residential Structures, P.C.
Structural Design
Charlotte: 704-332-5460
Charlotte/Rock Hill: 704-371-9521
myfax@residentialstructuresnc.com
www.residentialstructuresnc.com

SEAL FOR STRUCTURAL ONLY

SC COA No. 3635
NC COA No. 3293

Residential Structures, P.C.
3410 N. Davidson St
Charlotte, NC 28205

Plans to be used in conjunction with Residential Structures P.C. general notes

Walters Residence Garage

REV.	DATE	DESCRIPTION

DESIGNER: SEW
DRAFTER: JKL
SCALE: 1/4"=1'-0"
DATE: 10/01/2021

Garage Structural Plans

SHEET: S2