1. DESIGN CIVILLINA

A. CODE: INTERNATIONAL BUILDING CODE, 2012 EDITION, WITH 2009 GEORGIA AMENDMENTS:

B. DESIGN LOADS:

	ROOF LIVE LOAD -	-20 PSF
	GROUND SNOW LOAD—	-5 PSF
	UNIT FLOOR DEAD LOAD —	
	UNIT FLOOR LIVE LOAD —	
	DECK LIVE LOAD —	
	WIND SPEED —	
	EXPOSURE CATEGORY —	
	ENCLOSURE CATEGORY	
	IMPORTANCE FACTOR ————————————————————————————————————	
	GUST RESPONSE FACTOR ————————————————————————————————————	
	INTERNAL PRESSURE COEFFICIENT	+/- 0.18
C.	SEISMIC DESIGN CRITERIA:	.,
٠.	SHORT PERIOD, SDS	-0.351a
	1 SEC. PERIOD, SD1	-0.181a
	SEISMIC DESIGN CATEGORY—	
	SEISMIC USE GROUP—	- I
	SITE CLASS—	– D
	R(STRUCTURAL PANEL)	
	Cd	-2.0
	BASIC STRUCTURAL AND SEISMIC RESISTING SYSTEM:	2.0
	1. BEARING WALL SYSTEM W/ LIGHT FRAMED WALLS W/ SHEAR PANI	FIS - WOOD
	STRUCTURAL PANELS AND OTHER MATERIALS AT TYP APT BLDGS.	
	DESIGN BASE SHEAR:	
	BUILDING A	—— 4.3 KIP
	BUILDING B —	
	BUILDING C —	

. GENERAL

- A. THE FOLLOWING SPECIFICATIONS ARE AN OUTLINE OF MINIMUM MATERIAL REQUIREMENTS AND THEIR APPLICATION. MANUFACTURER SPECIFICATION AND LOCAL CODE REQUIREMENTS, WHEN IN EXCESS OF MINIMUM SPECIFICATION, SHALL CONTROL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW AND SUBMIT ALL SHOP DRAWINGS AND REPORT ALL DOCUMENT DISCREPANCIES TO THE STRUCTURAL ENGINEER PRIOR TO FABRICATION OR ERECTION.
- B. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION, AND THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
- C. ALL DIMENSIONS TO TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS AND DETAILS.
- D. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- E. WHERE A SECTION IS CUT ON THE DRAWINGS, IT SHALL APPLY AT ALL LIKE OR SIMILAR CONDITIONS U.N.O.
- F. SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
- a. SIZE & LOCATION OF ALL DOOR & WINDOW OPENINGS b. SIZE & LOCATION OF ALL ROOF OPENINGS.
- c. FLOOR AND ROOF FINISHES.
- d. DETAILS OF VENEER ATTACHMENT.
- e. LOC'N & EXTENT OF INSULATION.
- G. SEE MECHANICAL, PLUMBING, ELECTRICAL AND CIVIL DRAWINGS FOR THE FOLLOWING
- a. PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL AND SLAB OPENINGS, ETC.
- b. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
- c. CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL OR PLUMBING FIXTURES.
- d. UNDERGROUND CONCRETE DUCTS, TRENCHES, PITS OR MANHOLES.
- e. CONCRETE AND ASPHALT PAVEMENT
- H. THE CONTRACT STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE, UNLESS OTHERWISE INDICATED. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR ALL MEANS AND METHODS OF OF CONSTRUCTION AND SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN OR OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO: BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, SHORING FOR EARTH BANKS, FORMS, SCAFFOLDING, PLANKING, SAFETY NETS, SUPPORT AND BRACING FOR CRANES, ETC. MODIFICATION OR SUBSTITUTION MUST BE APPROVED BY THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION.
- J. ALL CONNECTOR TYPES REFER TO SIMPSON STRONG-TIE SPECIFICATIONS. ANY CHANGE, MODIFICATION OR SUBSTITUTION MUST BE APPROVED BY THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION.

CONCRETE

- A. CONCRETE PROTECTION FOR REINFORCEMENT OF POURED-IN-PLACE MEMBERS: (SEE SECTION 7.7 ACI 318 LATEST EDITION).
- B. PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE I.
- C. REFER TO ARCHITECTURAL DRAWINGS FOR CLIPS, GROOVES, GROUNDS, ETC., TO BE CAST IN CONCRETE AND CONCRETE FINISHES.
- D. ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- E. SLEEVE PLUMBING OPENINGS IN SLABS BEFORE PLACING CONCRETE AND BEND REINFORCING AROUND SLEEVES. CORING NOT PERMITTED IN FLOOR SLABS, UNLESS APPROVED BY STRUCTURAL ENGINEER.
- F. ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS: FOOTINGS/ GRADE BEAMS/ PILE CAPS/ TIE BEAMS——————————————————3000 PSI SLAB ON GRADE--3000 PSI PILASTERS, COLUMNS, BASEMENT & CANTILEVERED RETAINING WALLS & RETAINING WALL FOOTINGS— -4000 PSI
- G. CONCRETE SLUMP SHALL BE 3" TO 5" AT TIME OF PLACEMENT.
- H. CONCRETE MIX DESIGNS SHALL BE ESTABLISHED BY THE SUPPLIER IN ACCORDANCE WITH ACI 318-05. MIX DESIGNS SHALL BE SUBMITTED WITH BACK-UP DATA PER ACI 318-05 TO THE ARCHITECT FOR REVIEW PRIOR TO CONCRETE PLACEMENT.
- J. ALL CONCRETE EXPOSED TO THE WEATHER SHALL CONTAIN 6 TO 8% ENTRAINED AIR.
- K. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318, ACI 318.1 AND ACI 301 CONCRETE TEST REPORTS SHALL BE AVAILABLE AT JOB SITE.

- OTHERWISE ON THE DRAWINGS.
- CLEAR COVERAGE OF CONCRETE OVER OUTER REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI 318-05, SECTION 7.7 UNLESS SPECIFICALLY DETAILED
 - C. ALL REINFORCING BAR BENDS TO BE MADE COLD.
 - D. CONTRACTORS SHALL NOT PLACE ANY REINFORCING UNTIL APPROVED SHOP DRAWINGS ARE RECEIVED ON THE JOB.
 - E. BARS SHALL BE IN CONTACT WHEN FORMING A LAP SPLICE, UNLESS NOTED OTHERWISE.
 - F. PROVIDE CORNER BARS @ ALL TURN-DOWN SLAB CORNERS AND C.I.P. CONCRETE WALL CORNERS. PROVIDE 30" LAP BETWEEN CORNER BARS AND MAIN REINFORCING.
 - G. WELDED WIRE FABRIC SHALL CONFORM TO ASTM-A185.
 - H. REINFORCING STEEL MARKED "CONTINUOUS" SHALL BE LAPPED W/ CLASS "B" LAP SPLICE UNLESS SPECIFICALLY DETAILED OTHERWISE. LAP WELDED WIRE MESH ONE FULL MESH AT SIDE AND END LAPS.

5. FOUNDATION

GRADE 60.

- FOUNDATION DESIGN IS BASED ON THE <u>ASSUMED</u> ALLOWABLE MAXIMUM BEARING A. CAPACITY OF 2500 PSF. PRIOR TO THE START OF CONSTRUCTION THE OWNER SHALL PROVIDE M2 STRUCTURAL WITH A REPORT OF SUBSURFACE INVESTIGATION, STAMPED BY LICENSED GEOTECHNICAL ENGINEER, THAT VALIDATES OR REVISES THESE ASSUMPTIONS. THE OWNER SHALL ALSO PROVIDE A COPY OF THE REPORT TO THE CONTRACTOR FOR GENERAL INFORMATION ONLY. THE ARCHITECT AND ENGINEER WILL NOT BE RESPONSIBLE FOR THE ACCURACY OR APPLICABILITY OF THE INFORMATION OR RECOMMENDATIONS CONTAINED THEREIN. ALL DESIGN CRITERIA CONTAINED THEREIN SHALL BE FIELD VERIFIED BY THE GEOTECNICAL ENGINEER.
- B. CONTRACTOR TO PROVIDE FOR DE-WATERING IN EXCAVATIONS FROM EITHER SURFACE WATER, GROUND WATER OR SEEPAGE.
- C. CONTRACTOR SHALL PROVIDE AND INSTALL ALL CRIBBING, SHEATHING AND SHORING REQUIRED TO SAFELY RETAIN THE EARTH BANKS.
- D. CONTRACTOR SHALL PROTECT ALL UTILITY LINES, ETC. ENCOUNTERED DURING EXCAVATION AND BACKFILLING.
- E. ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED, BUT NOT BEFORE CONCRETE HAS ATTAINED FULL DESIGN STRENGTH.
- F. ALL NON-CANTILEVER BASEMENT WALL AND FOUNDATION WALLS SHALL BE LATERALLY SHORED UNTIL SLAB ON GRADE AT TOP OF WALL HAS BEEN PLACED & GAINED 75% DESIGN STRENGTH.
- G. CONTRACTOR SHALL OBTAIN A COPY OF THE ABOVE REFERENCED SOILS REPORT AND COMPLY WITH ITS RECOMMENDATIONS.
- H. FOUNDATION WALLS , RETAINING WALLS & BASEMENT WALLS HAVE NOT BEEN DESIGNED FOR CONSTRUCTION EQUIPMENT SURCHARGE. WHERE CONSTRUCTION EQUIP. SURCHARGES WALLS, WALLS SHALL BE SHORED AS REQUIRED.
- J. THE SOILS ENGINEER OF RECORD SHALL CERTIFY IN WRITING THAT ALL FOUNDATIONS WERE PLACED AND COMPLETED AS SPECIFIED.
- K. UNDER SLAB DRAINAGE SYSTEMS, IF REQUIRED, ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS. DRAINAGE SYSTEMS SHALL BE PROVIDED AS DETERMINED AND RECOMMENDED BY THE GEOTECHNICAL ENGINEER OF RECORD.
- L. RETAINING WALL DRAINAGE SYSTEMS ARE NOT SHOWN ON THE STRUCTURAL DWGS. SEE ARCH & CIVIL DWGS FOR DRAINAGE SYSTEM INFO.

SOLID SAWN & LAMINATED LUMBER

A. ALL LUMBER SHALL BE VISUALLY GRADED, SOUTHERN PINE DIMENSION LUMBER, SEASONED AND WITH 19 % MAX. MOISTURE CONTENT, U.N.O., AND IN ACCORDANCE WITH THE FOLLOWING MINIMUM GRADE REQUIREMENTS:

			BEAMS (2"-4" THICK)————————————————————————————————————	-STRUCT. -STRUCT. -STRUCT. -STRUCT.	GRADE GRADE	NO. NO.	2
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-SEE STUD SCHEDULE

- B. GRADES SHALL BE DETERMINED IN ACCORDANCE WITH SPIB GRADING RULES AGENCY.
- C. BRACE STUD WALLS UNTIL ALL PLYWOOD DECKING, ROOF TRUSSES, AND SHEAR PANELS ARE IN PLACE
- D. USE PRESSURE TREATED WOOD WITH ALKALINE COPPER QUAT (ACQ) OR COPPER AZOLE (CBA) FOR ALL EXPOSED LUMBER AND WITH ACQ, CBA OR SODIUM BORATES (SBX FOR SILL PLATES IN CONTACT WITH CONCRETE. ALL FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE HOT-DIP GALVANIZED PER ASTM A153. ALL CONNECTORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE HOT-DIP GALVANIZED PER ASTM A653 AND MADE FROM CLASS G185 SHEET WITH 1.85 OUNCES MINIMUM OF ZINC COATING PER SQUARE FOOT.
- E. ALL SILL PLATES SHALL BE ANCHORED TO MASONRY OR CONCRETE FOUNDATIONS WITH $\frac{1}{2}$ 0 A307 GRADE A.B.'S @ 48" O.C. MAX. WITH 7" MIN. EMBEDDMENT (U.N.O.) SEE NOTE 6-D FOR ADD'L. REQ'S. INTERIOR SILL PLATES MAY BE ANCHORED WITH HILTI DS 72 P10 POWDER ACTUATED FASTENERS @ 18" O.C. MAX. PROVIDE PINS AT 6" AND 10" FROM ENDS OF PLATE WITH 2 PINS MIN. IN ANY PLATE. SEE NOTE 6-D FOR ADD'L REQ'S.
- F. HANDRAILS, GUARDRAILS AND STAIRWAYS INCLUDING ALL COMPONENTS AND THEIR CONNECTIONS SHALL BE DESIGNED BY THE SUPPLIER IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE.
- G. INSTALL BEAMS WITH CROWN UP.
- H. ALL LVL MEMBERS SHALL BE (MIN.): Fb=2600 psi., Fv=285 psi. & E=1900000 psi.
- J. ALL LSL MEMBERS SHALL BE (MIN.): Fb=2900 psi., Fv=290 psi. & E=1800000 psi. ALL PSL BEAMS SHALL BE (MIN.): Fb=2900 psi., Fv=290 psi. & E=2,000,000 psi.
- K. THE NUMBER OF WALL STUDS AT BEARING POINTS OF 2X MEMBER BEAMS SHALL MATCH THE NUMBER OF MEMBERS IN THE BEAM (U.N.O.). ALL LVL AND LSL BEAMS SHALL HAVE A (3) STUD MIN. BEARING (U.N.O.). THE CENTERLINE OF THE BEAM SHALL BE THE CENTERLINE OF THE SUPPORTING WALL STUDS.

GALVANIZED STEEL OF NO LESS THAN 20 GAUGE THICKNESS WITH A MINIMUM YIELD OF	
3,000 psi AND AN ULTIMATE TENSILE STRENGTH OF 45,000 psi. CONNECTOR PLATE	
AUGES SHALL BE AS REQUIRED BY MANUFACTURERS DESIGN CALCULATIONS.	
RUSS SHOP DRAWINGS SHALL BE SUBMITTED FOR THE ARCHITECTS REVIEW PRIOR TO	

- FABRICATION AND SHALL INCLUDE THE FOLLOWING: 1. STRESS REDUCTION FACTORS USED FOR PLATES
- 2. TOP AND BOTTOM CHORD DESIGN LOADS IN P.L.F.
- 3. SIZE, GAUGE, AND EXACT LOCATION BY DIMENSION OF PLATES
- 4. LUMBER SPECIES AND GRADES USED 5. SEAL AND SIGNATURE OF TRUSS COMPANY ENGINEER IN RESPONSIBLE CHARGE ON
- ALL TRUSS ENGINEERED SHEETS OR DRAWINGS 6. NAME AND TRADEMARK OF PLATE MANUFACTURER AND TRUSS FABRICATOR AS WELL
- AS PROJECT NAME AND LOCATION
- 7. UNIFORM, LATERAL AND CONCENTRATED LOAD REQUIREMENTS AS NOTED ON PLANS
- AND/OR CORRESPONDING DETAILS 8. ALL TRUSS CONNECTION HARDWARE REQUIREMENTS
- 9. ALLOWABLE LOADS FOR STRESS GRADE LUMBER AND PLATES AS ALLOWED BY S.B.C.C.I. AND I.C.B.O. INCLUDING I.C.B.O. REPORT NUMBER
- C. FIELD REPAIR OF DAMAGED TRUSSES MUST BE APPROVED IN WRITING BY THE TRUSS ENGINEER AND ENGINEER OF RECORD.
- D. ALL ROOF TRUSS BEARING WALLS SHALL HAVE METAL FASTENERS TO RESIST UPLIFT FORCES AS NOTED ON ROOF FRAMING PLANS.
- E. TRUSS SUPPLIER IS TO PROVIDE PLAN AND PROCEDURES FOR INSTALLING, SECURING AND BRACING OF ALL TRUSSES
- F. TRUSS SUPPLIER SHALL PROVIDE TRUSS BLOCKS CAPABLE OF TRANSFERRING LATERAL LOADS AS NOTED ON PLANS AND/OR DETAILS
- G. APPROVED TRUSS PLANS SHALL BE AVAILABLE ON JOB SITE DURING TIMES OF INSPECTION.
- DETAILED. I. TRUSS MANUFACTURER TO COORDINATE WITH MECH. / PLUMBING DWGS. FOR ADDITIONAL

H. TRUSS MANUFACTURER TO PROVIDE OR ALIGN TRUSS ABOVE ALL SHEAR WALLS AS

- CONCENTRATED LOADS DUE TO DOMESTIC WATER AND SPRINKLER PIPE SUPPORTS. J. TRUSS MANUFACTURER SHALL COORDINATE TRUSS LAYOUT WITH MECH/PLUMBING
- INSTALLATION. K. TRUSS MANUFACTURER SHALL USE LUMBER VALUES IN ACCORDANCE WITH THE SOUTHERN

DRAWINGS TO ALLOW ALL PIPES AND DUCTS ADEQUATE SPACE FOR PROPER

RULES FOR SOUTHERN PINE LUMBER L. TRUSS MANUFACTURER SHALL DESIGN TRUSSES TO DEFLECT A MAXIMUM OF 3/4"

PINE INSPECTION BUREAU SUPPLEMENT NUMBER 9 TO THE 2002 STANDARD GRADING

8. LATERAL LOAD RESISTING SYSTEM

- A. ROOF DECK AND SUBFLOORS ARE DESIGNED AS UNBLOCKED DIAPHRAGMS. 1. ROOF SHEATHING SHALL BE 15/32" THICK EXPOSURE 1 RATED O.S.B. WITH A 32/16 PANEL SPAN INDEX (U.S.) AND BEAR THE TRADEMARK STAMP OF THE AMERICAN PLYWOOD ASSOC. (APA) PANELS SHALL BE NAILED WITH 8d NAILS @ 6" OC AT ALL PANEL EDGES AND 12" O.C. AT ALL INTERIOR SUPPORTS AND INSTALLED W/STEEL TECO CLIPS PER MANUF. RECOMMENDATIONS & CODE REQ'S.
- 2. FLOOR SHEATHING SHALL BE 23/32" THICK T & G EXPOSURE 1 RATED O.S.B. WITH A 48/24 PANEL SPAN INDEX (U.S.) AND BEAR THE TRADEMARK STAMP OF THE AMERICAN PLYWWOD ASSOC. (APA). PANELS SHALL BE NAILED WITH 10d NAILS @ 6" OC AT ALL PANEL EDGES AND 12" OC AT ALL INTERIOR SUPPORTS.
- B. STRUCTURAL PANEL SHEAR WALLS SHALL BE 7/16" THICK EXPOSURE 1 RATED O.S.B. WALL PANEL SPAN INDEX (U.S.) AND BEAR THE TRADEMARK STAMP OF THE AMERICAN PLYWOOD ASSOC. (APA). PANELS SHALL BE NAILED IN ACCORDANCE WITH THE BRACING PLAN ON SHEET S2-01.
- C. REFER TO BRACING PLANS FOR TYPE AND LOCATION OF ALL SHEARWALLS AND HOLD DOWN OF ANCHORS. REFER TO SHEET S4-00 FOR EXPLANATION AND MINIMUM FASTENER REQUIREMENTS FOR ALL SHEARWALL TYPES AND HOLD DOWN ANCHORS.
- D. FRAMING DETAILS INCORPORATE MINIMUM REQUIREMENTS FOR LATERAL LOAD TRANSFER. ANY CHANGE, MODIFICATION OR SUBSTITUTE FOR MATERIALS (INCLUDING GRADE OR SPECIES) OR FASTENERS MUST BE APPROVED BY THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION.
- E. ALL CONNECTOR TYPES REFER TO SIMPSON STRONG-TIE SPECIFICATIONS. ANY CHANGE, MODIFICATION OR SUBSTITUTION MUST BE APPROVED BY THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION.

9. NAILING

REQUIRED COMMON NAIL SIZES

PENNY WEIGHT	DIAMETER	LENGTH
8d	.131"	2½"
10d	.148"	3"
16d	.162"	3½"

CONNECTIONS	FASTENER
TYPICAL FRAMING CONNECTION BRIDGING TO JOIST 1X6 SUBFLOOR OR LESS TO EACH JOIST 1" BRACE TO EACH STUD AND PLATE 1X8 SHEATHING OR LESS TO EACH BEARING	
JOIST TO SILL OR GIRDER OVER 1X6 SUBFLOOR TO EACH JOIST CEILING JOISTS TO PLATE RAFTER TO PLATE OVER 1X8 SHEATHING TO EACH BEARING CONTINUOUS HEADER TO STUD STUD SOLE PLATE BAND JOIST TO SILL OR TOP PLATE	TOE NAIL 3-8d COMMON FACE NAIL 3-8d COMMON TOE NAIL 3-8d COMMON TOE NAIL 3-8d COMMON FACE NAIL 3-8d COMMON TOE NAIL 3-8d COMMON TOE NAIL 4-8d COMMON TOE NAIL 4-8d COMMON TOE NAIL 8d COMMON @ 6" OC.
DOUBLE STUDS	FACE NAIL 10d COMMON @ 12" O.C. STAGGERED EA. FACE
DOUBLE TOP PLATE	FACE NAIL 10d COMMON @ 16" O.C.
2" SUBFLOOR TO JOIST OR GIRDER TOP OR SOLE PLATE TO STUD	BLIND & FACE NAIL 2-16d COMMON END NAIL 2-16d COMMON

O1	SOLE PLATE TO JOIST OR BLOCKING	FACE NAIL 16d COMMON @ 16 O.C.
	CONTINUOUS HEADER, TWO PIECES	16d COMMON @ 16" O.C. ALONG EACH EDGE
	BUILT-UP CORNER STUDS	16d COMMON @ 24" O.C.
	TOP PLATE, LAP AND INTERSECTIONS	FACE NAIL 2-16d COMMON OR
		3-10d COMMON
	CEILING JOISTS, LAP OVER PARTITION	FACE NAIL 3-16d COMMON OR 4-10d COMMON
	CEILING JOISTS O PARAELLEL RAFTERS	FACE NAIL 3-16d COMMON OR 4-10d COMMON
	BUILT-UP GIRDER AND BEAMS,	20d COMMON 32" O.C. @ TOP AND BOTTOM
	OF THREE MEMBERS	AND STAGGERED. SEE 6/S3-00 FOR ADDITIONAL
		REQUIREMENTS AT BEAMS.
	WOOD STRUCTURAL DANIEL SURFLOODING	

WOOD STRUCTURAL PANEL SUBFLOORING SEE SECTION 8 FOR FLOOR AND ROOF SHEATHING. SEE S3-00 AND S4-00 FOR WALL

SHEATHING NAILING PATTERNS. WOOD STRUCTURAL PANEL ROOF AND WALL SHEATHING AND PARTICLE-

SEE SECTION 8 FOR FLOOR AND ROOF SHEATHING. SEE S3-00 AND S4-00 FOR WALL SHEATHING NAILING PATTERNS.

FIBERBOARD SHEATHING

BOARD WALL SHEATHING

1/2" REGULAR	6d COMMON NAIL OR 11 GA. GALV ROOFING NAIL 1 1/2" LONG WITH 7/16" HEAD @ 6" O.C. AT EDGES AND 12" O.C. AT OTHER BEARINGS
1/2" STRUCTURAL	8d COMMON NAIL OR 11 GA. GALV. ROOFING NAIL 1 1/2" LONG WITH 7/16" HEAD @ 3" O.C. AT EDGES AND 6" O.C. AT OTHER BEARINGS
25/32" STRUCTURAL	8d COMMON NAIL OR 11 GA. GALV ROOFING NAIL 1 3/4" LONG WITH 7/16" HEAD @ 3" O.C. AT EDGES AND 6" O.C. AT OTHER BEARINGS

GYPSUM SHEATHING 1/2" GYPSUM SHEATHING

1/2" GYPSUM SHEATHING	11 GA. GALV. 1 1/2" LONG WITH 7/16" HEAD @ 4" O.C. AT EDGES AND 7" O.C. AT OTHER BEARINGS
5/8" GYPSUM SHEATHING	11 GA. GALV. 1 3/4" LONG WITH 7/16" HEAD

@ 4" O.C. AT EDGES AND 7" O.C. AT OTHER

1 3/8" DRYWALL NAIL @ 7" O.C. ON CEILING

LONG LEG VERTICAL

GYPSUM WALLBOARD

	AND 7" O.C. ON WALLS
	1 1/2" DRYWALL NAIL @ 7" O.C. ON CEILING
	AND 7" O.C. ON WALLS
PARTICLEBOARD SIDING	

1. FIBERBOARD SHEATHING MAY BE STAPLED USING 16 GA GALVANIZED STAPLES 1 1/8" LONG FOR 1/2" SHEATHING AND 1 1/2" LONG FOR 25/32" SHEATHING. STAPLES TO HAVE MINIMUM CROWN OF 7/16" AND SPACED 3" O.C. AT EDGES AND 6" O.C. AT OTHER BEARINGS.

2. DRYWALL NAILS SHALL CONFORM TO ASTM C514.

3. SIDING APPLIED TO 5/8" NET WOOD SHEATHING, 15/32" STRUCTURAL PANEL OR 1/2" PARTICLE BOARD SHEATHING. 4. CORROSION RESISTANT NAILS SHALL BE USED AND SPACED 6" O.C. AT EDGE AND 8" O.C. AT INTERMEDIATE SUPPORTS. NAILS SHALL HAVE A MINIMUM EDGE DISTANCE OF

10. ALL NAILING SIZES REFER TO COMMON WIRE NAILS U.N.O.

5. SIDING APPLIED TO STUDS SPACED 16" O.C. MAXIMUM.

6. SIDING APPLIED DIRECTLY TO STUDS SPACED 24" O.C. MAXIMUM. 7. USE ANNULAR OR SPIRAL THREAD NAILS FOR COMBINATION SUBFLOOR/UNDERLAYMENT. 8. FOR 1-INCH WOOD STRUCTURAL PANELS, 12" O.C. INTERMEDIATE NAILING SHALL BE

PERMITTED. 9. ALL FASTENING REQUIREMENTS SHALL COMPLY WITH THE SCHEDULE ABOVE OR PER U.L. DESIGNS AS SPECIFIED BY THE ARCHITECT, WHICHEVER IS STRICTER.

10. STRUCTURAL ABBREVIATIONS

ADD'L, ADD ADDITIONAL

•	/ IDDITION/LE		LONG LLO VERTIONE
	ANCHOR BOLT	LOC'N	LOCATION
ARCH.	ARCHITECTURAL	М	MOMENT
0	AT	MFG, MFG'R	MANUFACTURER
BM	BEAM	MECH	MECHANICAL
BRG	BEARING	MPH	MILES PER HOUR
BLK	BLOCK	MAT'L	MATERIAL
BOT, B	BOTTOM, BOTTOM BAR	MAX	MAXIMUM
BLDG	BUILDING	MFR	MANUFACTURER
CL	CENTER LINE	MTL	METAL
CLR	CLEAR	MIN	MINIMUM
COL	COLUMN	MISC	MISCELLANEOUS
CONC	CONCRETE	NIC	NOT IN CONTRACT
CONN	CONNECTION	NO	NUMBER
CMU	CONCRETE MASONRY UNIT	NTS	NOT TO SCALE
CONST	CONSTRUCTION	O.C.	ON CENTER
CONT	CONTINUOUS	OPNG	OPENING
CONTR	CONTRACTOR	O.H.	OPPOSITE HAND
D	DEEP	Р	PAN
DSN	DESIGN	PAF	POWDER ACTUATED
FTG	FOOTING		FASTENER
DET, DTL	DETAIL	P/C	PRECAST
DIA, Ø	DIAMETER	PL	PLATE
DIAG	DIAGRAM	PT	POST TENSIONED
DIM	DIMENSION	PTS	POINTS
DWG	DRAWING	PHSE	PENTHOUSE
DWL	DOWEL	PSF	POUNDS PER SQ. FOOT
EE	EACH END	PSI	POUNDS PER SQ. INCH
EF	EACH FACE	REF	REFERENCE
EW	EACH WAY	REV	REVISION
ELEV, EL	ELEVATION	REINF	REINFORCING
ETF	ELEVATION TOP OF FOOTING	REQ'D	REQUIRED
ETC	ETCETERA	REBAR	REINFORCING BAR
EQ	EQUAL	SCHD, SCHED	
EXIST, EXT'G		SECT	SECTION
EXP	EXPANSION	SLH	SHORT LEG HORIZONTAL
	EXPANSION JOINT	SLV	SHORT LEG VERTICAL
EXT	EXTERIOR	SL0	SHORT LEG OUT

INTERIOR T/CONC TOP OF CONCRETE T/SLAB JOIST TOP OF SLAB JOINT T/FTG TOP OF FOOTING KIP-FEET K-FT TYPICAL UNLESS NOTED OTHERWISE KIPS PER FOOT UNO **VERT** KIPS VERTICAL ANGLE WIDE DOUBLE ANGLE WITH WORKING POINT LONG LEG HORIZONTAL WEIGHT WELDED WIRE FABRIC LONG LEG OUT

STIRR

STRUCT

THK

THRD

THRU

T/S, T/STL

T/B, T/BM

STL, ST'L

STIRRUPS

STRUCTURAL

STEEL

TOP

THICK

THREADED

THROUGH

TOP OF STEEL

TOP OF BEAM

11. REQUIRED SUBMITTALS

FEET, FOOT

GALVANIZED

HORIZONTAL

INFORMATION

FLANGE

GAUGE

HEAD

H00K

HOUR

FLG

LLH

- A. FOLLOWING LIST IS TO BE PROVIDED BY THE CONTRACTOR AND SUBMITTED TO M2 STRUCTURAL, LLC FOR REVIEW.
- 1. CONCRETE MIX DESIGNS. 2. REBAR PLACEMENT AND BEND DWGS.
- 3. MASONRY REINFORCEMENT PLANS.
- 4. MASONRY MIX AND GROUT DESIGN DATA 5. WOOD TRUSS PLANS AND DESIGN DATA.
- B. ALL SUBMITTALS SHOULD BE SIGNED AND STAMPED BY A LICENSED PROFESSIONAL ENGINEER. FAILURE IN DOING SO WILL RESULT IN THE REJECTION OF SUBMITTALS.

12. MISCELLANEOUS

A. CONTRACT DOCUMENTS

IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OBTAIN ALL CONTRACT DOCUMENTS AND LATEST ADDENDA AND TO SUBMIT SUCH DOCUMENTS TO ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS PRIOR TO THE SUBMITTAL OF SHOP DRAWINGS, FABRICATION OF ANY STRUCTURAL MEMBERS, AND ERECTION IN THE FIELD.

B. DRAWING CONFLICTS

THE GENERAL CONTRACTOR SHALL COMPARE THE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND REPORT ANY DISCREPANCY BETWEEN EACH SET OF DRAWINGS AND WITHIN EACH SET OF DRAWINGS TO THE ARCHITECT AND ENGINEER PRIOR TO THE FABRICATION AND INSTALLATION OF ANY STRUCTURAL MEMBERS

C. EXISTING CONDITIONS

THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF THE EXISTING BUILDING AT THE JOB SITE AND REPORT ANY DISCREPANCIES FROM ASSUMED CONDITIONS SHOWN ON THE DRAWINGS TO THE ARCHITECT AND ENGINEER PRIOR TO THE FABRICATION AND ERECTION OF ANY MEMBERS.

- D. RESPONSIBILITY OF THE CONTRACTOR FOR STABILITY OF THE STRUCTURE DURING CONSTRUCTION ALL STRUCTURAL ELEMENTS OF THE PROJECT HAVE BEEN DESIGNED BY THE STRUCTURAL ENGINEER TO RESIST THE REQUIRED CODE VERTICAL AND LATERAL FORCES THAT COULD OCCUR IN THE FINAL COMPLETED STRUCTURE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL REQUIRED BRACING DURING CONSTRUCTION TO MAINTAIN THE STABILITY AND SAFETY OF ALL STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PROCESS UNTIL THE LATERAL-LOAD RESISTING OR STABILITY-PROVIDING SYSTEM IS COMPLETELY INSTALLED AND THE STRUCTURE IS COMPLETELY TIED TOGETHER.
- E. CONFLICTS IN STRUCTURAL REQUIREMENTS WHERE CONFLICT EXISTS AMONG THE VARIOUS PARTS OF THE STRUCTURAL CONTRACT DOCUMENTS, STRUCTURAL DRAWINGS, GENERAL NOTES, AND SPECIFICATIONS, THE STRICTEST REQUIREMENTS, AS INDICATED BY THE ENGINEER, SHALL GOVERN.
- F. STABILITY AND BRACING OF MASONRY WALLS DURING CONSTRUCTION ALL MASONRY WALLS SHOWN ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS HAVE BEEN DESIGNED TO RESIST THE REQUIRED CODE VERTICAL AND LATERAL FORCES APPLIED TO THEM IN THE FINAL CONSTRUCTED CONFIGURATION ONLY ASSUMING FULL BRACING TOP, BOTTOM, AND/OR SIDE OF WALL AS SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROPERLY AND ADEQUATELY BRACE ALL MASONRY WALLS AT ALL STAGES DURING CONSTRUCTION TO RESIST ERECTION LOADS AND LATERAL LOADS THAT COULD POSSIBLY BE APPLIED PRIOR TO COMPLETION OF CONSTRUCTION.

G. CONTRACTOR SUBSTITUTIONS

THE REQUEST.

ANY MATERIALS OR PRODUCTS SUBMITTED FOR APPROVAL THAT ARE DIFFERENT FROM THE MATERIAL OR PRODUCTS SPECIFIED IN THE STRUCTURAL CONTRACT DOCUMENTS WILL BE APPROVED ONLY IF THE FOLLOWING CRITERIA ARE SATISFIED: 1. A COST SAVINGS TO THE OWNER IS DOCUMENTED AND SUBMITTED WITH

2. THE MATERIAL OR PRODUCT HAS BEEN APPROVED BY THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS (ICBO) AND THE ICBO REPORT IS SUBMITTED WITH THE REQUEST. SUBMITTALS NOT SATISFYING THE ABOVE CRITERIA WILL NOT BE CONSIDERED.

J. SITE OBSERVATION BY THE STRUCTURAL ENGINEER

DEFICIENCIES IN THE WORK OF THE CONTRACTOR.

THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, AND, EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, AND SEQUENCE.

THE ENGINEER SHALL NOT HAVE CONTROL NOR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSION OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. PERIODIC SITE OBSERVATION BY FIELD REPRESENTATIVES OF M2 STRUCTURAL L.L.C. IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION SHOULD NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OR QUANTITY OF THE WORK, BUT RATHER PERIODIC IN AN EFFORT TO GUARD THE OWNER AGAINST DEFECTS OR

K. MAINTENANCE STATEMENT

ALL STRUCTURES REQUIRE PERIODIC MAINTENANCE TO EXTEND LIFESPAN AND TO INSURE STRUCTURAL INTEGRITY FROM EXPOSURE TO THE ENVIRONMENT. A PLANNED PROGRAM OF MAINTENANCE SHALL BE ESTABLISHED BY THE BUILDING OWNER. THIS PROGRAM SHALL INCLUDE SUCH ITEMS SUCH AS BUT NOT LIMITED TO PAINTING OF STRUCTURAL STEEL, PROTECTIVE COATING FOR CONCRETE, SEALANTS, CAULKED JOINTS, EXPANSION JOINTS, CONTROL JOINTS, SPALLS AND CRACKS IN CONCRETE, AND PRESSURE WASHING OF EXPOSED STRUCTURAL ELEMENTS EXPOSED TO A SALT ENVIRONMENT OR OTHER HARSH CHEMICALS.



COBB COUNTY: 1480 Shiloh Road NW Suite #300 Kennesaw, GA 30144 Phone 770.790.3655 Fax 770.790.3650

FANNIN COUNTY: 722 Black Dog Trail P.□. Box 639 Blue Ridge, GA 30513 Phone 706.374.4304



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RD Ш BLUE 1600 E FANN EN G ISSUE: REVISIONS:

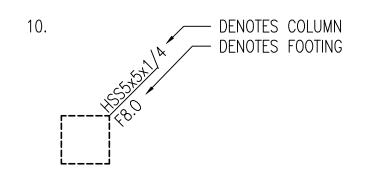
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DRAWN BY:

ARR 01.19.2018 PROJECT NO. SHEET NO.:

FOUNDATION NOTES:

- 1. SLAB ON GRADE SHALL BE 4" THICK CONCRETE REINFORCED WITH 6x6-W2.1xW2.1 ON COMPACTED FILL. SEE ARCHITECTURAL DRAWINGS FOR VAPOR BARRIER INFORMATION.
- 2. TOP OF SLAB ON GRADE ELEVATION = F.F.E. PER ARCHITECTURAL DRAWINGS.
- 3. PROVIDE CONTROL AND CONSTRUCTION JOINTS PER 12/S5-01.4. ALL FOOTINGS AND THICKEND SLABS SHALL BE CENTERED ON WALL ABOVE.
- U.N.O. (UNLESS NOTED OTHERWISE).5. ALL DIMENSIONS ARE TO EDGE OF SLAB OR FOOTING CENTERLINE U.N.O. ALL DIMENSIONS SHALL COORDINATE WITH ARCHITECTURAL DIMENSIONAL CONTROL
- PLAN.
 6. SEE ARCHITECTURAL FOR ALL EXTERIOR SLAB AND CURB INFORMATION.
- 7. F#.# DENOTES FOOTING DESIGNATION. SEE FOOTING SCHEDULE FOR FOOTING SIZE AND REINFORCING.
- 8. DENOTES FOOTING STEP. SEE 10/S5-01 FOR ADDITIONAL INFORMATION.
- 9. ALL SPREAD FOOTINGS SHALL BE (-)1'-0" BELOW LOWEST ADJACENT FINSIHED FLOOR U.N.O.



14. WHERE ADJACENT SPREAD FOOTINGS INTERSECT THE SCHEDULED REINF. FOR EACH FOOTING SHALL OVERLAP

15. SEE 16/S5-01 FOR ADD'L SLAB STEP AND DEPRESSION INFO

16. SEE 20/S5-01 FOR DETAIL OF PIPE PENETRATION THROUGH WALL

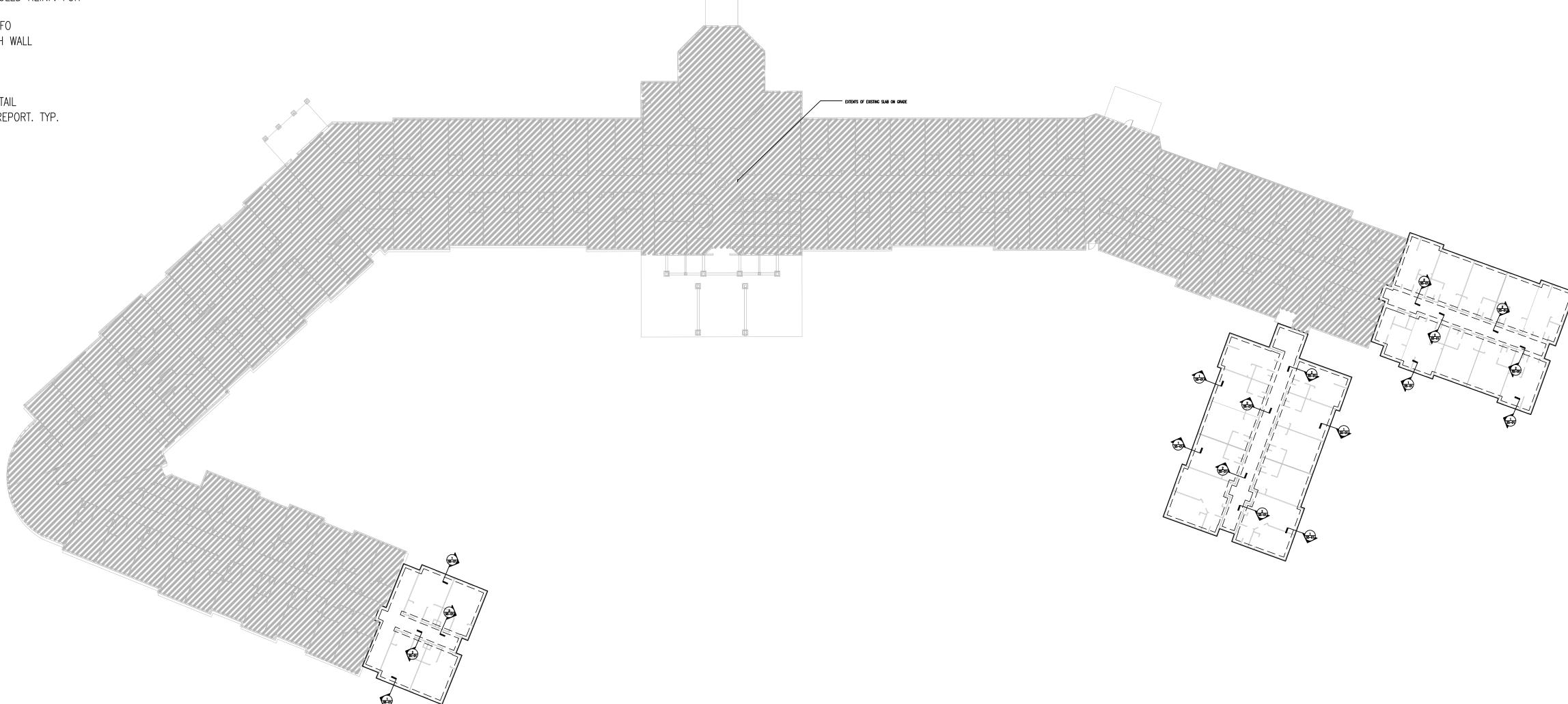
17. SEE 15/S5-02 FOR SECTION AT SHEARWALL ANCHORS

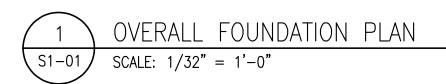
18. SEE 13/S5-01 FOR STAIR ON GRADE DETAIL

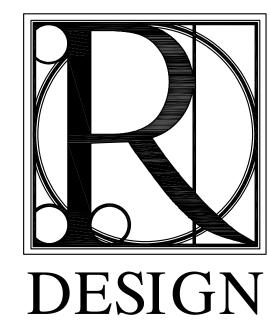
10. SEE 13/33-01 FOR STAIN ON GRADE DE

19. SEE 4/S5-02 FOR SITE WALL DETAIL

20. SEE 10/S5-02 FOR TYPICAL THICKENED SLAB AT STAIR DETAIL 21. PROVIDE UNDER DRAINS/WALL DRAINS PER GEOTECHNICAL REPORT. TYP.







WORKS
COBB COUNTY:
1480 Shiloh Road NW

Suite #300 Kennesaw, GA 30144 Phone 770,790,3655 Fax 770,790,3650

FANNIN COUNTY: 722 Black Dog Trail P.O. Box 639 Blue Ridge, GA 30513 Phone 706.374.4304



VING & MEMORY CARE D, BLUE RIDGE, GA 30513

BLUE RIDGE ASSISTED LIVING & 1600 BALLEWTOWN ROAD, BLUE (FANNIN COUNTY)

OVERAL LEVEL 1 FOUNDATIO

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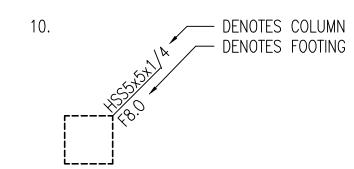
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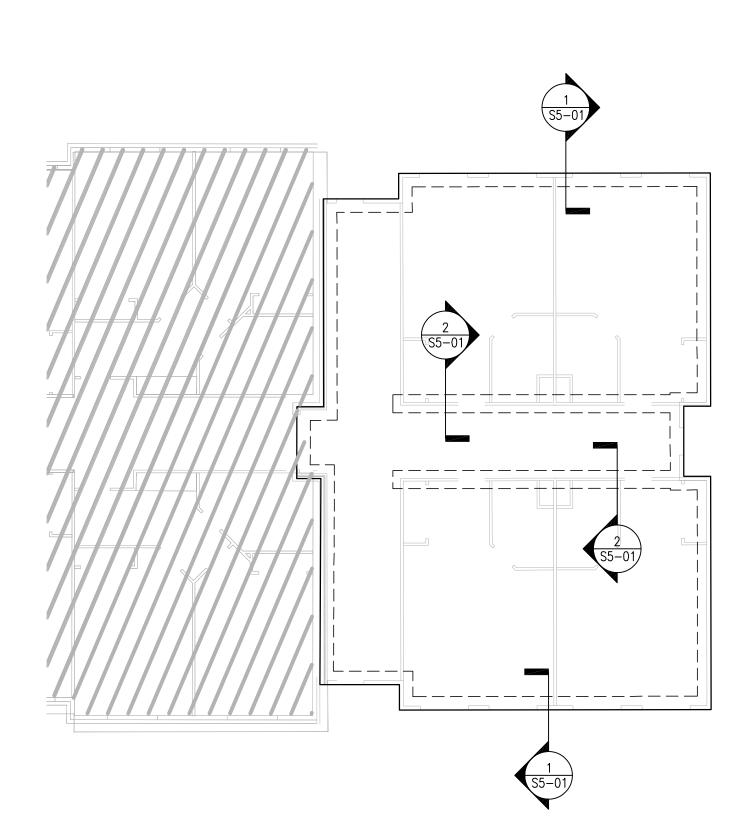
01.19.2018

FOUNDATION NOTES:

- 1. SLAB ON GRADE SHALL BE 4" THICK CONCRETE REINFORCED WITH 6x6-W2.1xW2.1 ON COMPACTED FILL. SEE ARCHITECTURAL DRAWINGS FOR VAPOR BARRIER INFORMATION.
- 2. TOP OF SLAB ON GRADE ELEVATION = F.F.E. PER ARCHITECTURAL DRAWINGS.
- 3. PROVIDE CONTROL AND CONSTRUCTION JOINTS PER 12/S5-01.
- 4. ALL FOOTINGS AND THICKEND SLABS SHALL BE CENTERED ON WALL ABOVE. U.N.O. (UNLESS NOTED OTHERWISE).
- 5. ALL DIMENSIONS ARE TO EDGE OF SLAB OR FOOTING CENTERLINE U.N.O. ALL DIMENSIONS SHALL COORDINATE WITH ARCHITECTURAL DIMENSIONAL CONTROL PLAN.
- 6. SEE ARCHITECTURAL FOR ALL EXTERIOR SLAB AND CURB INFORMATION.
- 7. F#.# DENOTES FOOTING DESIGNATION. SEE FOOTING SCHEDULE FOR FOOTING SÏZË AND REINFORCING.
- 8. ← DENOTES FOOTING STEP. SEE 10/S5-01 FOR ADDITIONAL
- 9. ALL SPREAD FOOTINGS SHALL BE (-)1'-0" BELOW LOWEST ADJACENT FINSIHED FLOOR U.N.O.

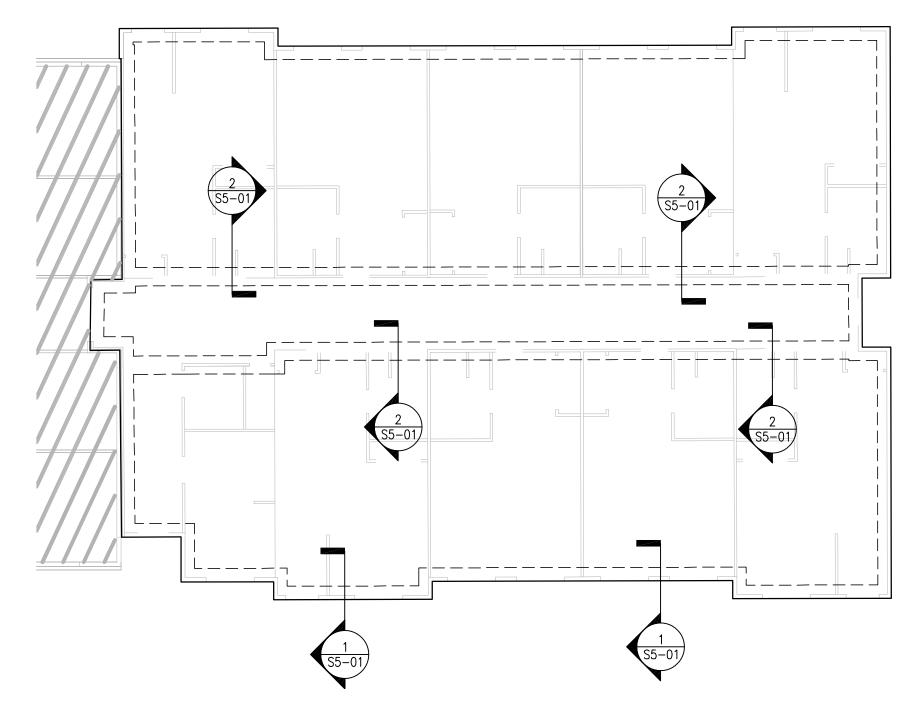


- 14. WHERE ADJACENT SPREAD FOOTINGS INTERSECT THE SCHEDULED REINF. FOR EACH FOOTING SHALL OVERLAP
- 15. SEE 16/S5-01 FOR ADD'L SLAB STEP AND DEPRESSION INFO
- 16. SEE 20/S5-01 FOR DETAIL OF PIPE PENETRATION THROUGH WALL
- 17. SEE 15/S5-02 FOR SECTION AT SHEARWALL ANCHORS
- 18. SEE 13/S5-01 FOR STAIR ON GRADE DETAIL
- 19. SEE 4/S5-02 FOR SITE WALL DETAIL
- 20. SEE 10/S5-02 FOR TYPICAL THICKENED SLAB AT STAIR DETAIL
- 21. PROVIDE UNDER DRAINS/WALL DRAINS PER GEOTECHNICAL REPORT. TYP.

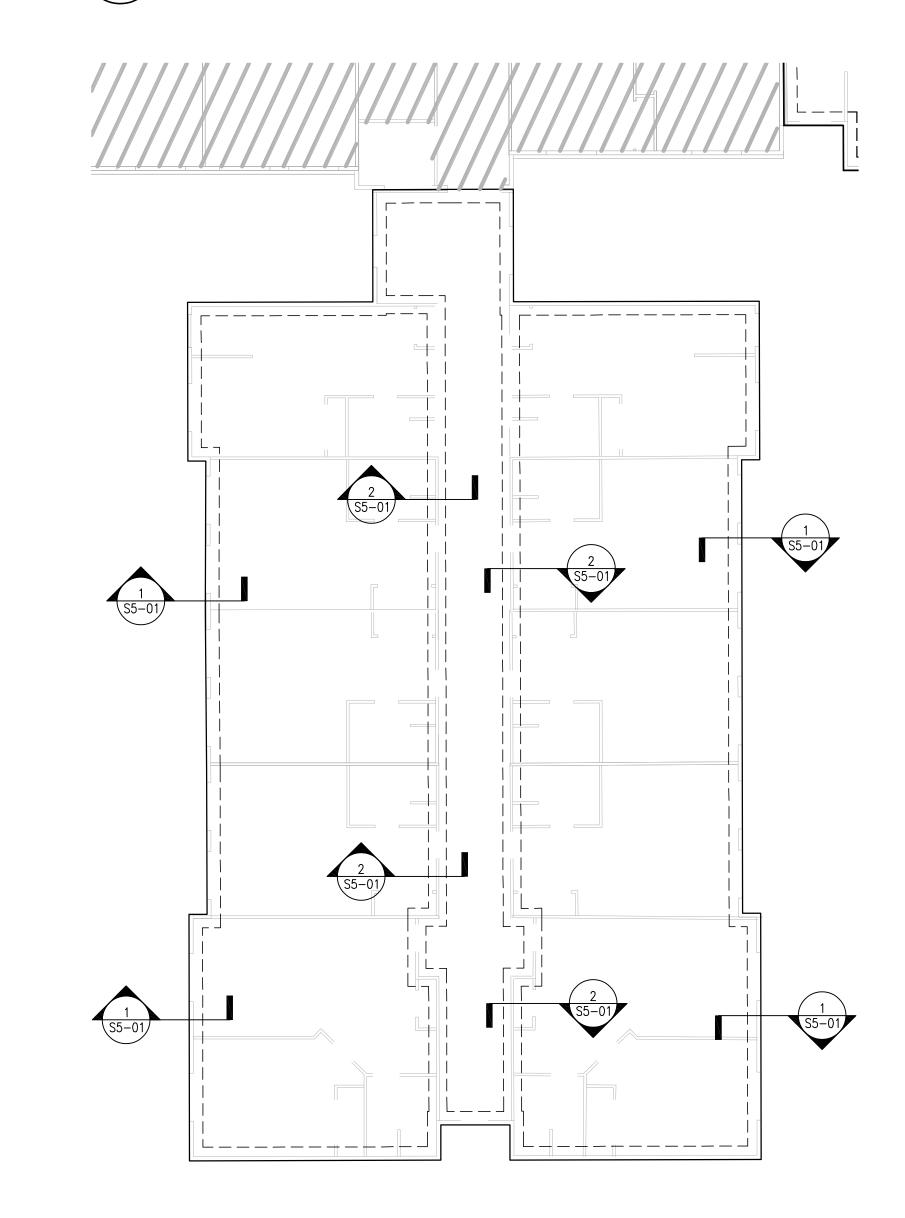


SCALE: 3/32" = 1'-0"

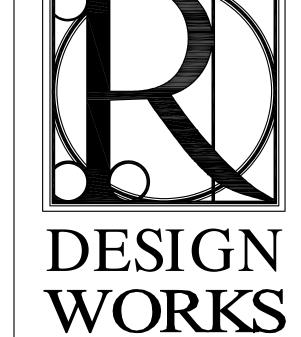
EXPANSION WING C FOUNDATION PLAN



EXPANSION WING A FOUNDATION PLAN SCALE: 3/32" = 1'-0"



EXPANSION WING B FOUNDATION PLAN SCALE: 1/4" = 1'-0"



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404-829-2612

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TION PLANS

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ISSUE:



DRAWN BY:

PROJECT NO.

TYPICAL ROOF FRAMING NOTES:

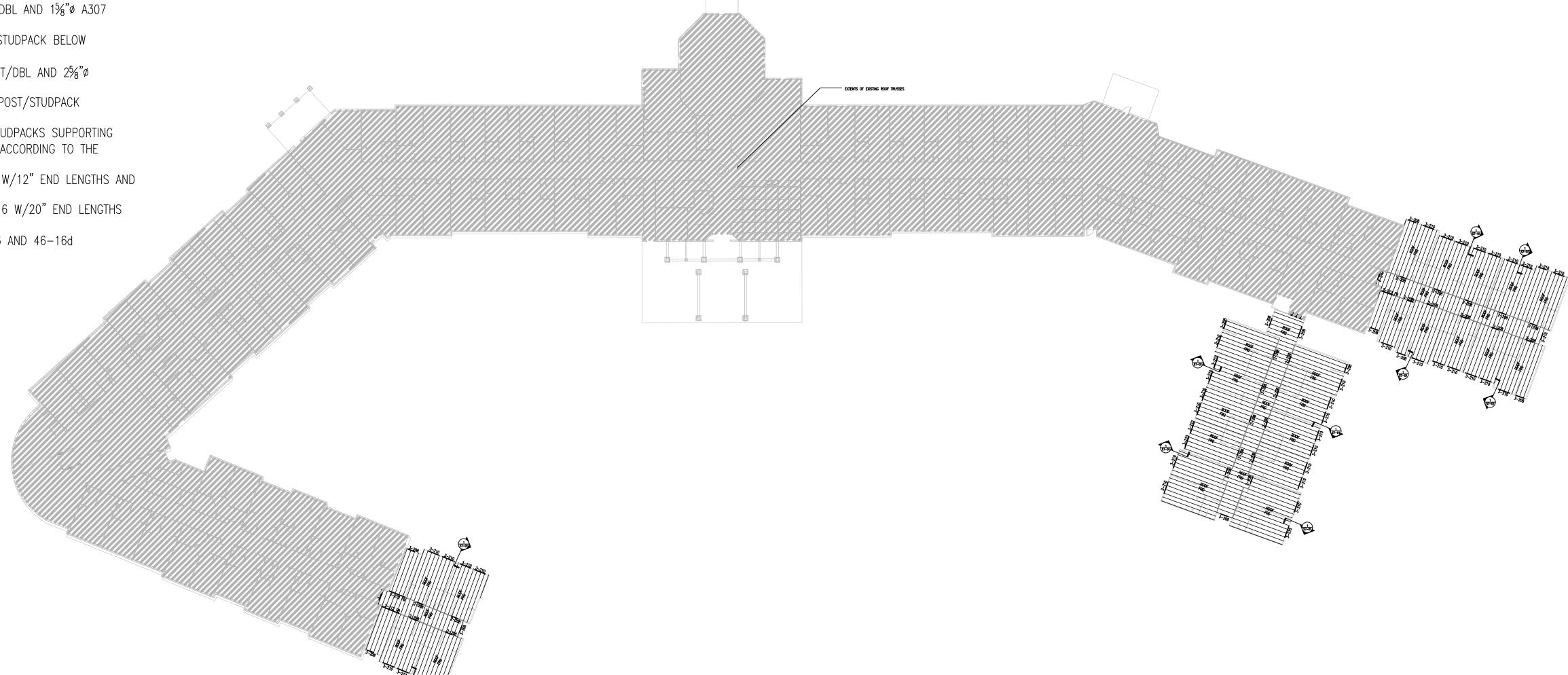
- 1. SEE S2-## SERIES FOR ROOF FRAMING PLANS.
- 2. SEE S7-## SERIES FOR ROOF FRAMING SECTIONS AND DETAILS.
- 3. ROOF DENOTES PRE-ENGINEERED OPEN WEB ROOF TRUSSES @ 24" O.C.

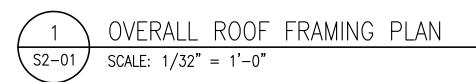
 FRG DEPTH OF ROOF TRUSS VARIES WITH SLOPE OF ROOF. SEE
- ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

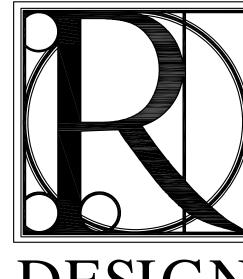
 4. "GT" DENOTES A GIRDER TRUSS, TYP. PROVIDE (5)2x4 STUD PACK AT ALL BEARING LOCATIONS U.N.O. SEE NOTES 10 AND 11 FOR STRAPPING REQUIREMENTS
- 5. "DBL" DENOTES A DOUBLE TRUSS, TYP.
- 6. ALL ROOF TRUSSES SHALL BE DESIGNED BY THE TRUSS MANUFACTURER, WHICH SHALL INCLUDE ALL TRUSS—TO—TRUSS CONNECTIONS. SEE GENERAL NOTES ON SHEET SO—01 FOR ADDITIONAL INFORMATION.
- 7. TRUSS MANUFACTURER SHALL DESIGN ALL ROOF TRUSS COMPONENTS FOR THE NET UPLIFT WIND PRESSURE RESULTING FROM THE WIND PRESSURES SHOWN IN DETAIL 11/S4-00 TYP
- 8. ALIGN ROOF TRUSSES WITH OR PROVIDE ADDITIONAL ROOF TRUSSES ABOVE ALL TOP FLOOR SHEAR WALLS. SEE S4-## SERIES (BRACING PLANS) FOR SHEAR WALL LOCATIONS, TYP.
- 9. EXTERIOR WALL SHEATHING IS DESIGNED TO RESIST ROOF UPLIFT FORCES. SEE 5/S4-00 FOR DETAILS
- 10. PROVIDE TIEDOWN ANCHORS FOR ALL GIRDER TRUSSES (GT) AND DOUBLE TRUSSES (DBL) ACCORDING TO THE FOLLOWING CRITERIA:

 FOR GT/DBL SPAN ≤ 20'-0", PROVIDE:
- * LGT2 GIRDER TIEDOWN W/16-6d SINKERS INTO GT/DBL AND 14-16d SINKERS INTO POST/STUDPACK BELOW
- FOR GT/DBL SPAN ≤ 25'-0", PROVIDE:
 * MGT GIRDER TIEDOWN W/22-10d NAILS INTO GT/DBL AND 1%"ø A307
- THREADROD ANCHOR

 * HDU4 W/10-1/4"x2½" SDS SCREWS INTO POST/STUDPACK BELOW
- FOR GT/DBL SPAN ≤ 50'-0", PROVIDE:
- * HGT-2 GIRDER TIEDOWN W/16-10d NAILS INTO GT/DBL AND 25%" Ø A307 THREADROD ANCHOR
- * (2)-HTT16 TENSION TIES W/18-16d NAILS INTO POST/STUDPACK
- 11.PROVIDE FLOOR-TO-FLOOR STRAPPING OF POSTS/STUDPACKS SUPPORTING GIRDER TRUSSES (GT) AND DOUBLE TRUSSES (DBL) ACCORDING TO THE FOLLOWING CRITERIA:
- FOR GT/DBL SPAN ≤ 20'-0", PROVIDE: (2)-CS16 W/12" END LENGTHS AND 11-10d NAILS ABOVE AND BELOW
- FOR GT/DBL SPAN \leq 35'-0", PROVIDE: (2)-CMST16 W/20" END LENGTHS AND 50-10d NAILS (EA, STRAP)
- FOR GT/DBL SPAN ≤ 50'-0", PROVIDE: (2)-MST16 AND 46-16d
 NAILS EACH STRAP







DESIGN WORKS

COBB COUNTY:
1480 Shiloh Road NW
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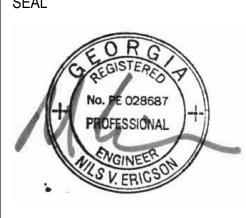


LIVING & MEMORY CARE DAD, BLUE RIDGE, GA 30513

OVERAL ROOF FRAMING PLAN

BLUE RIDGE ASSISTED L 1600 BALLEWTOWN ROA (FANNIN COUNTY)

ISSUE: REVISION



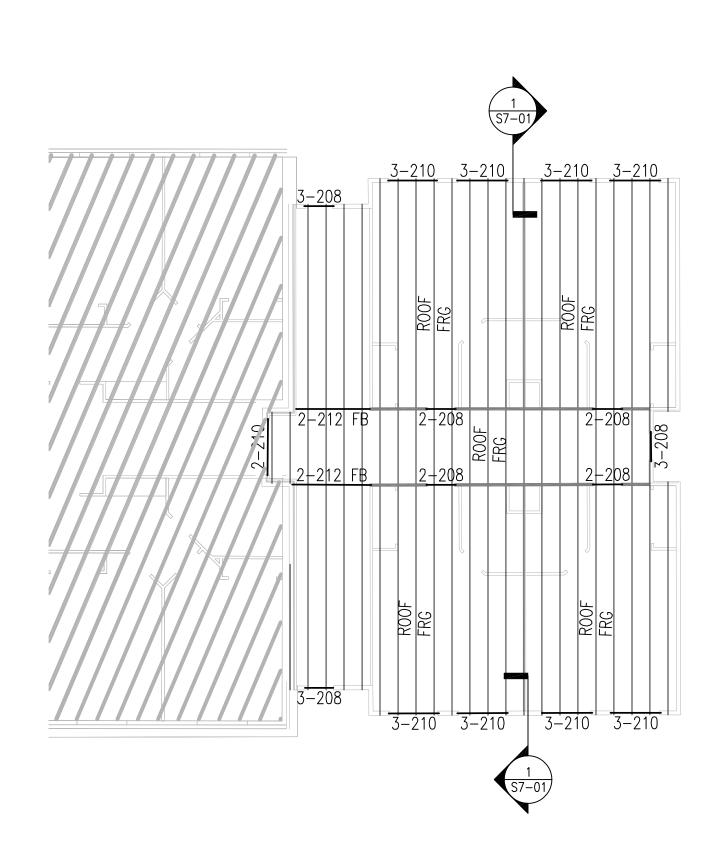
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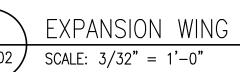
ROJECT NO. SI

743 **S2**-

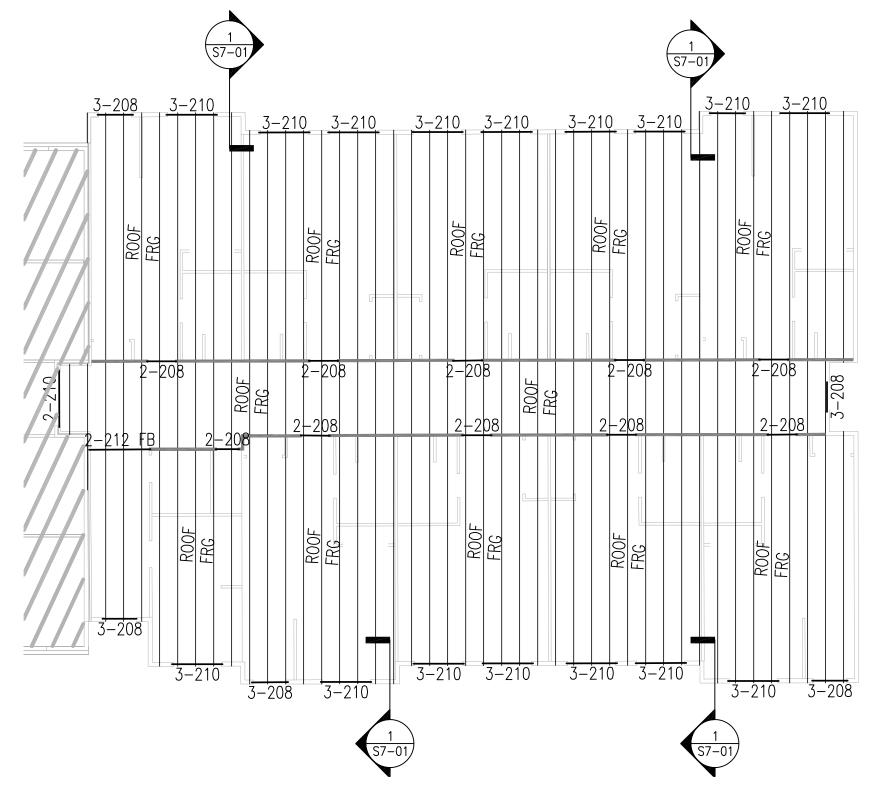
TYPICAL ROOF FRAMING NOTES:

- 1. SEE S2-## SERIES FOR ROOF FRAMING PLANS.
- 2. SEE S7-## SERIES FOR ROOF FRAMING SECTIONS AND DETAILS.
- 3. ROOF DENOTES PRE-ENGINEERED OPEN WEB ROOF TRUSSES @ 24" O.C. DEPTH OF ROOF TRUSS VARIES WITH SLOPE OF ROOF. SEE
- ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION. 4. "GT" DENOTES A GIRDER TRUSS, TYP. PROVIDE (5)2x4 STUD PACK AT ALL BEARING LOCATIONS U.N.O. SEE NOTES 10 AND 11 FOR STRAPPING REQUIREMENTS
- 5. "DBL" DENOTES A DOUBLE TRUSS, TYP.
- 6. ALL ROOF TRUSSES SHALL BE DESIGNED BY THE TRUSS MANUFACTURER, WHICH SHALL INCLUDE ALL TRUSS-TO-TRUSS CONNECTIONS. SEE GENERAL NOTES ON SHEET SO-01 FOR ADDITIONAL INFORMATION.
- 7. TRUSS MANUFACTURER SHALL DESIGN ALL ROOF TRUSS COMPONENTS FOR THE NET UPLIFT WIND PRESSURE RESULTING FROM THE WIND PRESSURES SHOWN IN DETAIL 11/S4-00, TYP.
- 8. ALIGN ROOF TRUSSES WITH OR PROVIDE ADDITIONAL ROOF TRUSSES ABOVE ALL TOP FLOOR SHEAR WALLS. SEE S4-## SERIES (BRACING PLANS) FOR SHEAR WALL LOCATIONS, TYP.
- 9. EXTERIOR WALL SHEATHING IS DESIGNED TO RESIST ROOF UPLIFT FORCES. SEE 5/S4-00 FOR DETAILS
- 10. PROVIDE TIEDOWN ANCHORS FOR ALL GIRDER TRUSSES (GT) AND DOUBLE TRUSSES (DBL) ACCORDING TO THE FOLLOWING CRITERIA:
- FOR GT/DBL SPAN $\leq 20'-0$ ", PROVIDE:
- * LGT2 GIRDER TIEDOWN W/16-6d SINKERS INTO GT/DBL AND
 - 14-16d SINKERS INTO POST/STUDPACK BELOW
- FOR GT/DBL SPAN $\leq 25'-0$ ", PROVIDE:
- * MGT GIRDER TIEDOWN W/22-10d NAILS INTO GT/DBL AND 15%" A307 THREADROD ANCHOR
- * HDU4 W/10-1/4"x21/2" SDS SCREWS INTO POST/STUDPACK BELOW - FOR GT/DBL SPAN $\leq 50'-0"$, PROVIDE:
- * HGT-2 GIRDER TIEDOWN W/16-10d NAILS INTO GT/DBL AND 25%"ø A307 THREADROD ANCHOR
- * (2)-HTT16 TENSION TIES W/18-16d NAILS INTO POST/STUDPACK BELOW
- 11.PROVIDE FLOOR-TO-FLOOR STRAPPING OF POSTS/STUDPACKS SUPPORTING GIRDER TRUSSES (GT) AND DOUBLE TRUSSES (DBL) ACCORDING TO THE FOLLOWING CRITERIA:
- FOR GT/DBL SPAN \leq 20'-0", PROVIDE: (2)-CS16 W/12" END LENGTHS AND 11-10d NAILS ABOVE AND BELOW
- FOR GT/DBL SPAN $\leq 35'-0$ ", PROVIDE: (2)-CMST16 W/20" END LENGTHS AND 50-10d NAILS (EA, STRAP)
- FOR GT/DBL SPAN $\leq 50'-0$ ", PROVIDE: (2)-MST16 AND 46-16d NAILS EACH STRAP

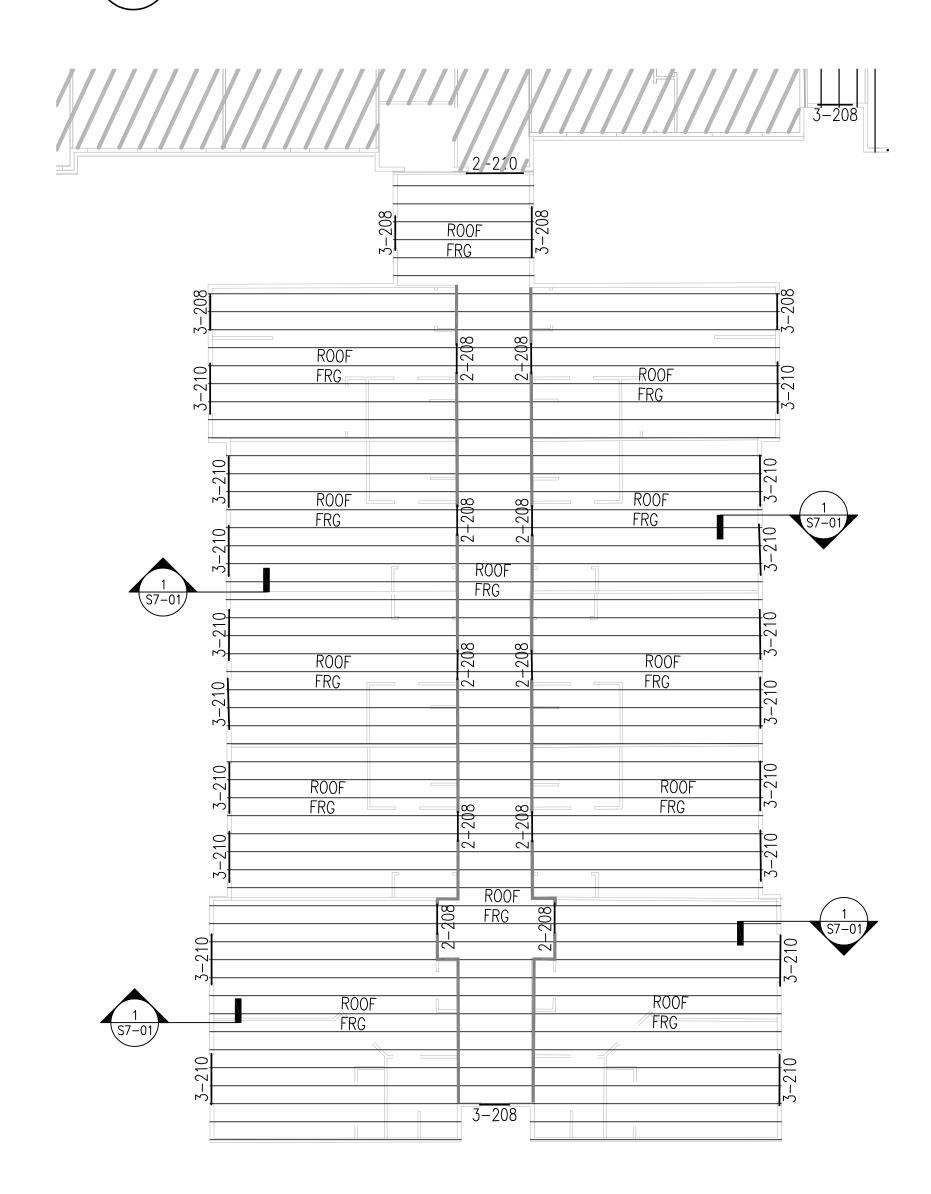




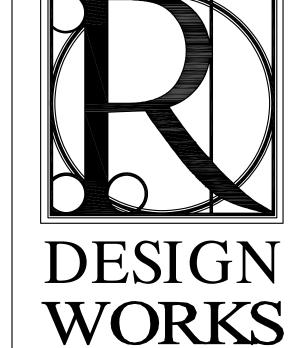
EXPANSION WING C FRAMING PLAN



EXPANSION WING A FRAMING PLAN SCALE: 3/32" = 1'-0"







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FANNIN COUNTY: 722 Black Dog Trail P.O. Box 639 Blue Ridge, GA 30513 Phone 706.374.4304



404-829-2612

BLUE RIDGE ASSISTED LIVING & MEMORY 1600 BALLEWTOWN ROAD, BLUE RIDGE, G (FANNIN COUNTY) LANS ENLARGED ROOF FRAMING P

PROJECT	
REVISIONS:	

ISSUE:



DRAWN BY:	DATE:
ARR	01.19.2018

PROJECT NO. SHEET NO.:

1. DIMENSION LUMBER SHALL BE AS FOLLOWS:

SPECIES ______SOUTHERN YELLOW PINE _____NO. 2

2. ALL MICROLLAM® (LVL) BEAMS SHALL HAVE THE FOLLOWING PROPERTIES:

MODULUS OF ELASTICITY (E) _____1,900,000 PSI FLEXURAL STRESS (Fb) ______2,600 PSI

SHEAR STRESS (Fv) ______285 PSI

\ S3-00 /

BEAM / HEADER SCHEDULE

SCALE: NONE

	UP TO 4'-0" OPENING		UP TO 6'-0" OPENING		UP TO 9'-0" OPENING	
LOC'N LEVEL	EXTERIOR	INTERIOR	EXTERIOR	INTERIOR	EXTERIOR	INTERIOR
1ST FLOOR	(1)-2x4 JAMB	(1)-2x4 JAMB	(1)-2x6 JAMB	(1)-2x4 JAMB	(1)-2x4 JAMB	(1)-2x4 JAMB
	(1)-2x4 KING	(1)-2x4 KING	(2)-2x6 KING	(2)-2x4 KING	(2)-2x4 KING	(2)-2x4 KING

NOTES:
* USE 2x6 STUDS WHERE 2x6 FRAMING OCCURS.

JAMB / KING STUD SCHEDULE AT WALL OPENINGS (APPLIES TO ALL WALLS SUPPORTING FLOOR TRUSSES U.N.O.) S3-00 SCALE: NONE

*SEE NOTE #1 FOR STUDS GREATER THAN 10'

USE 2x6 STUDS @ ALL EXT. WALLS

MAIN

ALL LOAD BEARING STUDS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:

SPRUCE PINE FIR, GRADE: NO.2,

Fb = 875 psi, Fc = 1150 psi, E = 1400 ksi1. ALL VOLUME AREAS SHALL BE BALLOON FRAMED AS FOLLOWS:

(2) 2x4 @ 16"

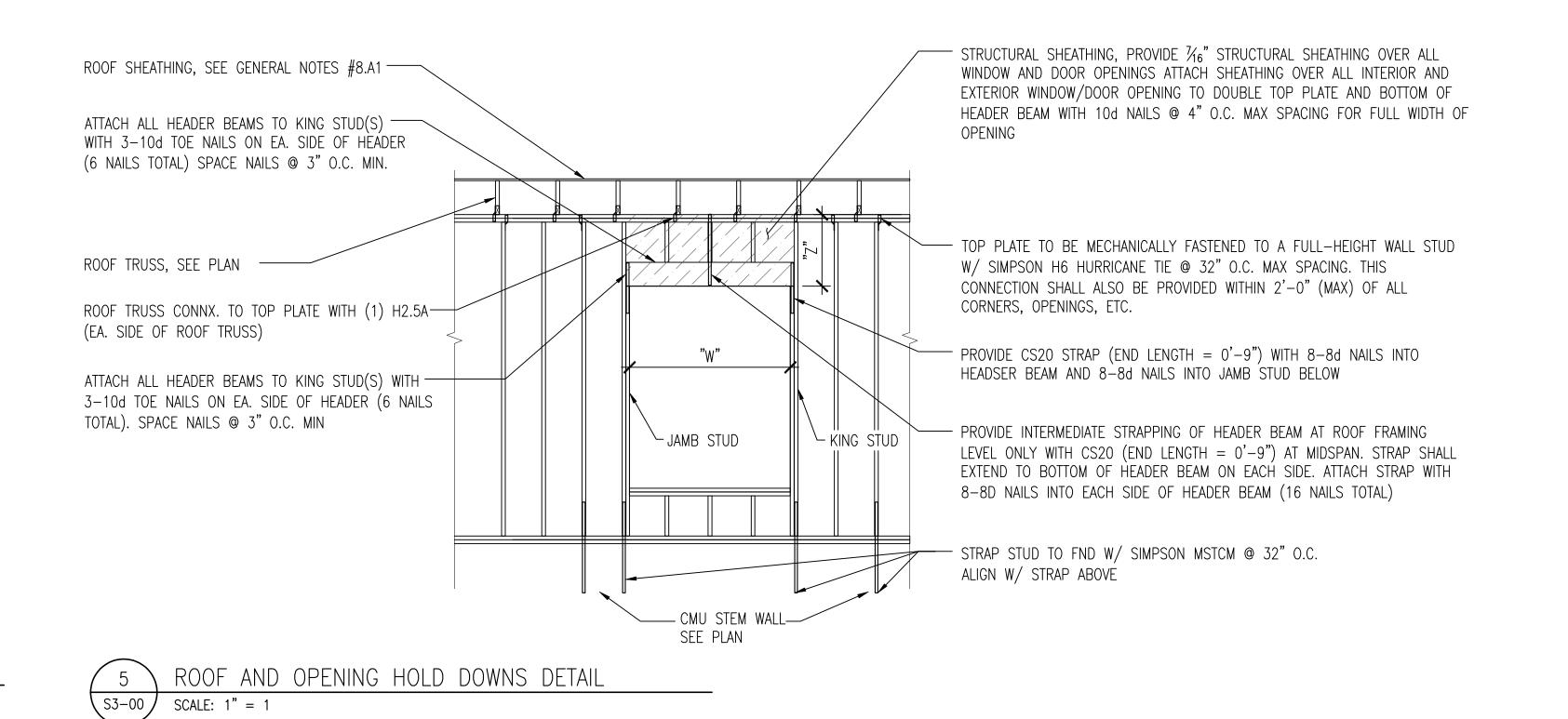
H<10'-0" = 2x4@16" O.C., H<14'-0" = 2x6@16" O.C.2. ALL SHEAR WALLS SHALL HAVE STUDS @ 16" O.C. MAX.

3. ALL PLUMBING WALLS SHALL HAVE 2x6 @ 16" O.C. MAX U.N.O.

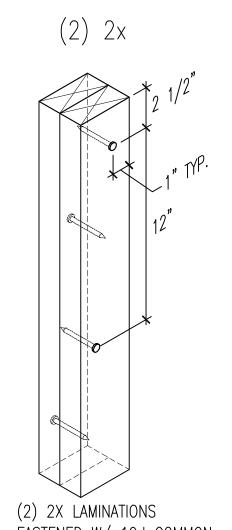
4. NON-LOAD BEARING INTERIOR PARTITIONS - SEE ARCH. DWGS.

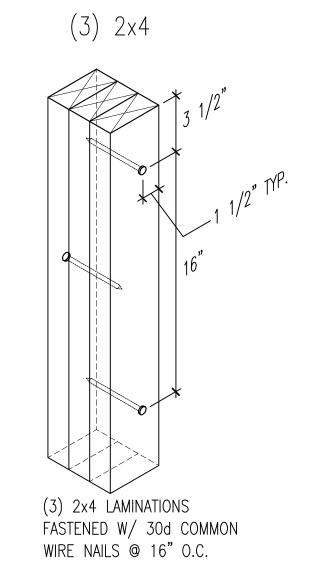
BEARING WALL STUD SCHEDULE & NOTES

SCALE: NONE



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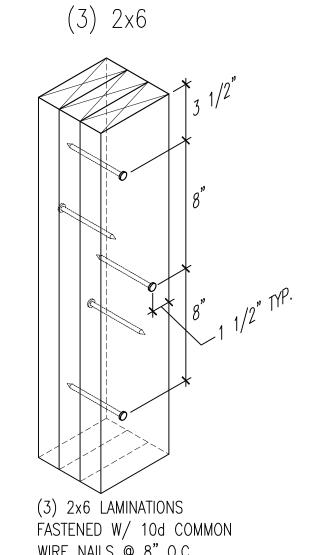


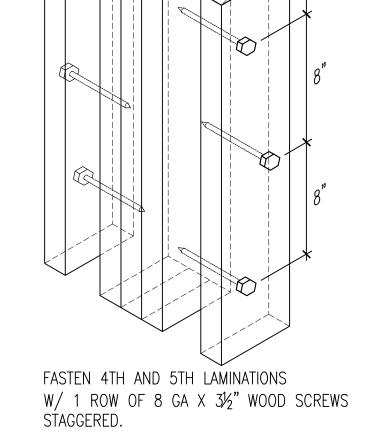


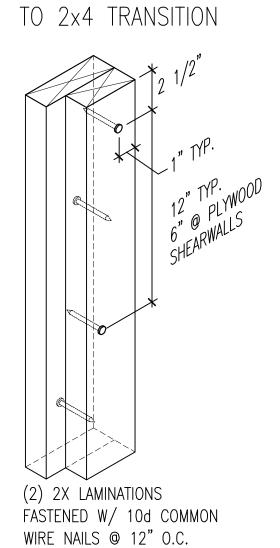
EACH FACE STAGGERED

 $(\emptyset = 0.207$ ", $L = 4\frac{1}{2}$ ")

BUILT-UP COLUMN SCHEDULE:

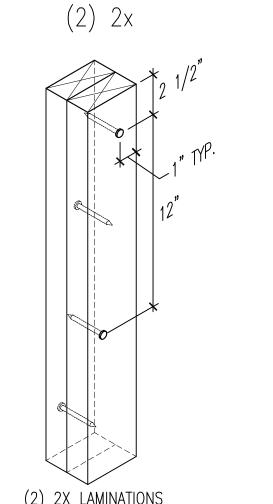






PLUMBING WALL @ 2x6

ALL POSTS, BUILT-UP STUD COL'S & STUD PACKS MUST ALIGN FLOOR-TO-FLOOR WITH SOLID BLOCKING AT FLOOR CAVITY AND CONTINUE TO FOUNDATION OR BEAM SUPPORT BELOW.

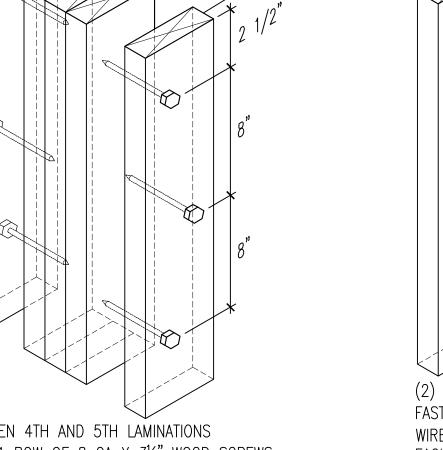


FASTENED W/ 10d COMMON WIRE NAILS @ 12" O.C. EACH FACE STAGGERED $(\emptyset = 0.148$ ", L=3")

SCALE: NONE

\S3-00 /

WIRE NAILS @ 8" O.C. EACH FACE STAGGERED $(\emptyset = 0.148$ ", L=3")



4TH PLY

5TH PLY

EACH FACE STAGGERED $(\emptyset = 0.148$ ", L=3")

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DESIGN

WORKS

Suite T03 Atlanta, GA 30318 www.M2Structural.com 404-829-2612

> CARE A 3051 'ING & MEMORY C/ , BLUE RIDGE, GA

AND DETA

NOTES

FRAMING

BLUE RIDGE ASSISTED L 1600 BALLEWTOWN ROA (FANNIN COUNTY)

ISSUE: **REVISIONS:**

SEAL

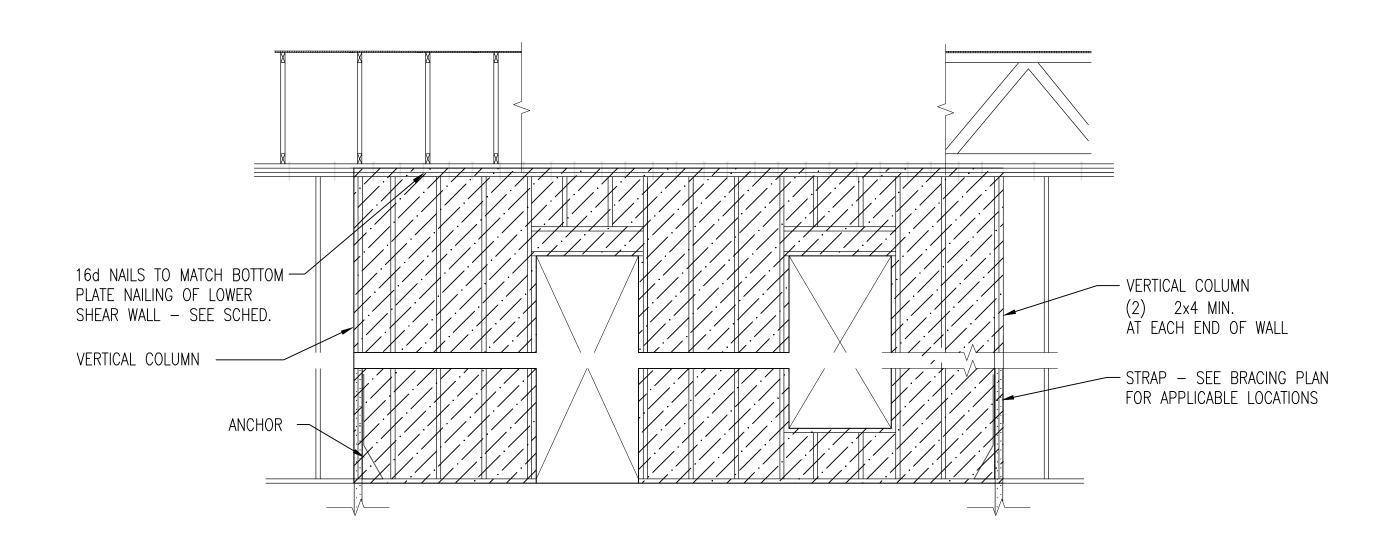
DATE: DRAWN BY:

ARR 01.19.2018

PROJECT NO. | SHEET NO.:

DETAIL ELEVATION @ FRONT ENTRANCE HIGH CEILING

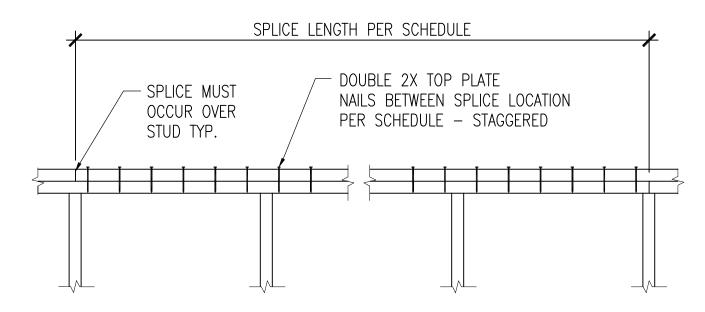
\S4-00 SCALE: N.T.S.



\S4-00 /

EXTERIOR SHEAR WALL W/ OPENINGS

SCALE: 3/8" = 1'-0"

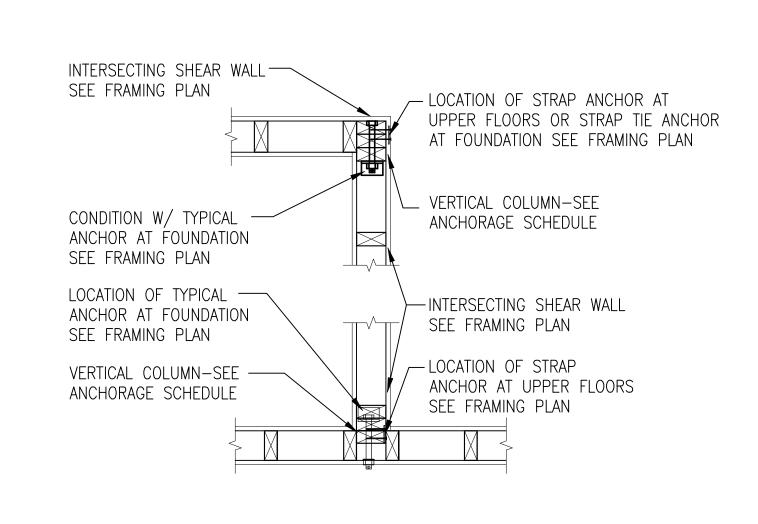


LENGTH OF WALL	SPLICE LENGTH	NAILS ALONG
(BETWEEN CORNERS)	(MINIMUM)	SPLICE LENGTH
OVER 30'	4'-0"	18-16d
OVER 20'	2'-8"	10-16d
OVER 10'	1'-4"	6-16d
LESS THAN 10'	1'-4"	4-16d

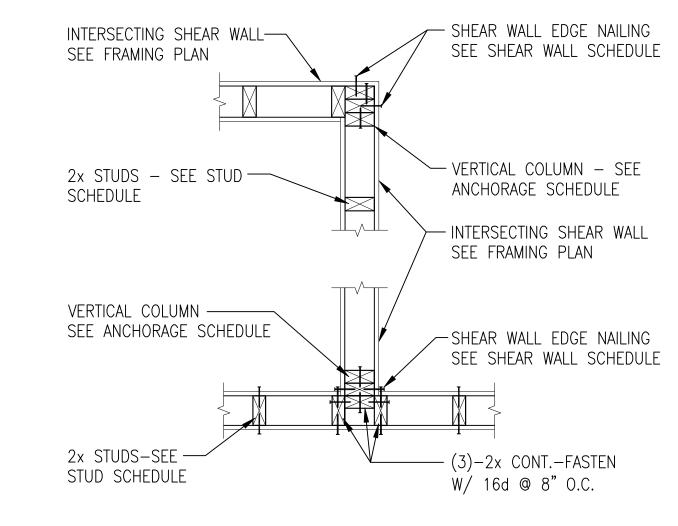
1. DO NOT SPLICE TOP PLATES WITHIN 6'-0" OF ENDS OF PLYWOOD SHEAR WALLS. 2. THIS DETAIL APPLIES AT ALL EXTERIOR WALLS AND INTERIOR SHEARWALLS.

TOP PLATE SPLICE \S4-00 / SCALE: 1" = 1'-0"

TYPICAL DETAIL







FRAMING AND ANCHORAGE AT SHEARWALL INTERSECTION SCALE: 3/4" = 1'-0"S4-00 /

DESIGN

WORKS COBB COUNTY: 1480 Shiloh Road NW Suite #300 Kennesaw, GA 30144 Phone 770,790,3655 Fax 770,790,3650

FANNIN COUNTY: 722 Black Dog Trail P.□. Box 639 Blue Ridge, GA 30513 Phone 706.374.4304



404-829-2612

LIVING & MEMORY CARE AD, BLUE RIDGE, GA 3051 BLUE RIDGE ASSISTED L 1600 BALLEWTOWN ROA (FANNIN COUNTY)

AND DETAILS

NOTES

BRACING ISSUE: **REVISIONS:**

SEAL

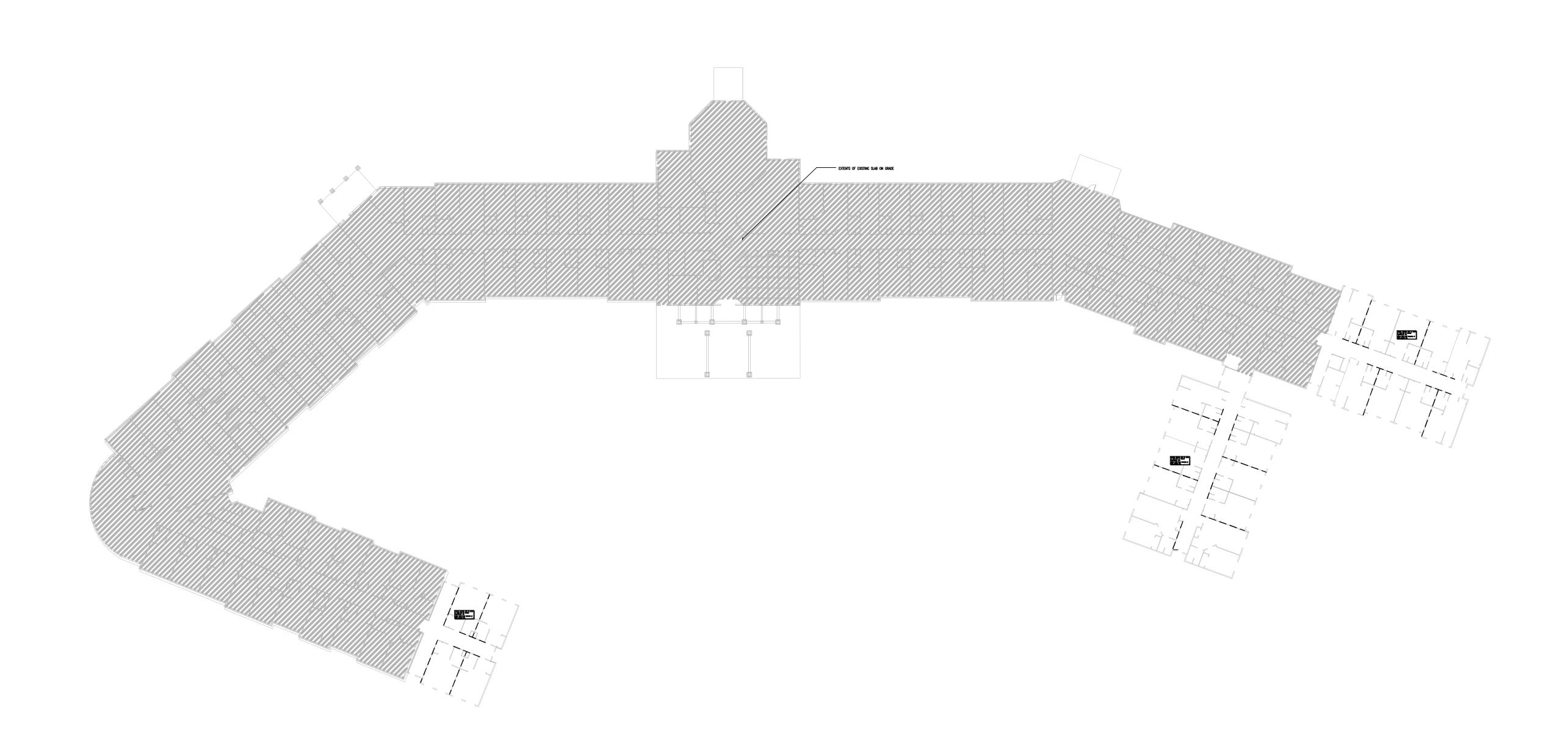
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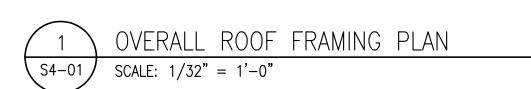
ARR 01.19.2018

PROJECT NO. SHEET NO.:

TYPICAL SHEARWALL NOTES:

- IDDITION DASHED WALLS INDICATE PLYWOOD SHEARWALLS.
 ALL SHEARWALLS SHALL BE SHEATHED WITH 7/6" OSB. FASTEN TO STUDS WITH 8d EDGE NAILING AT 6" O.C. AND FIELD NAILING AT 12" O.C.
- 3. SEE DETAILS ON S4-00 FOR SHEARWALL CONSTUCTION.





DESIGN

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PROJECT:

BLUE RIDGE ASSISTED LIVING & MEMORY
1600 BALLEWTOWN ROAD, BLUE RIDGE, G
(FANNIN COUNTY)

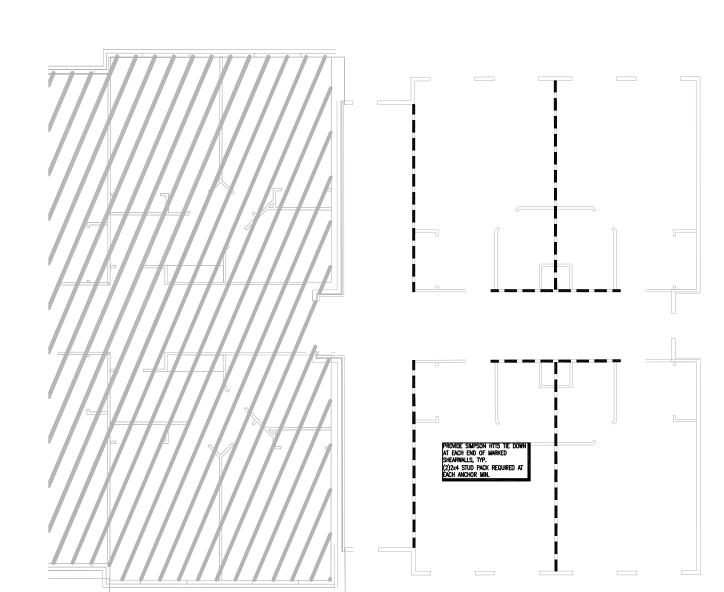
OVERALL BRACING PLAN

ISSUE:



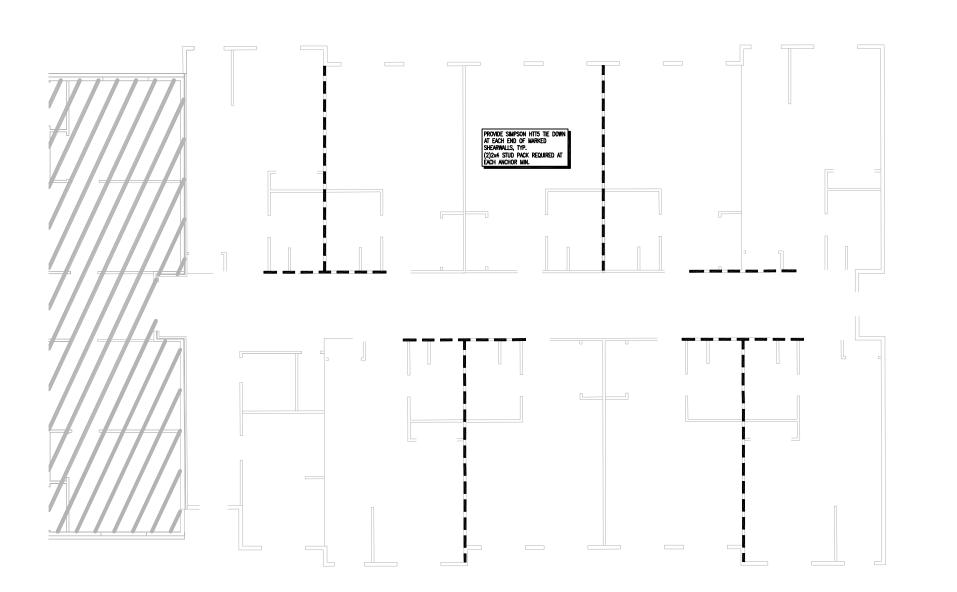
TYPICAL SHEARWALL NOTES:

- 1. INDICATE PLYWOOD SHEARWALLS.
- 2. ALL SHEARWALLS SHALL BE SHEATHED WITH $\frac{7}{16}$ " OSB. FASTEN TO STUDS WITH 8d
- EDGE NAILING AT 6" O.C. AND FIELD NAILING AT 12" O.C.
- 3. SEE DETAILS ON S4-00 FOR SHEARWALL CONSTUCTION.



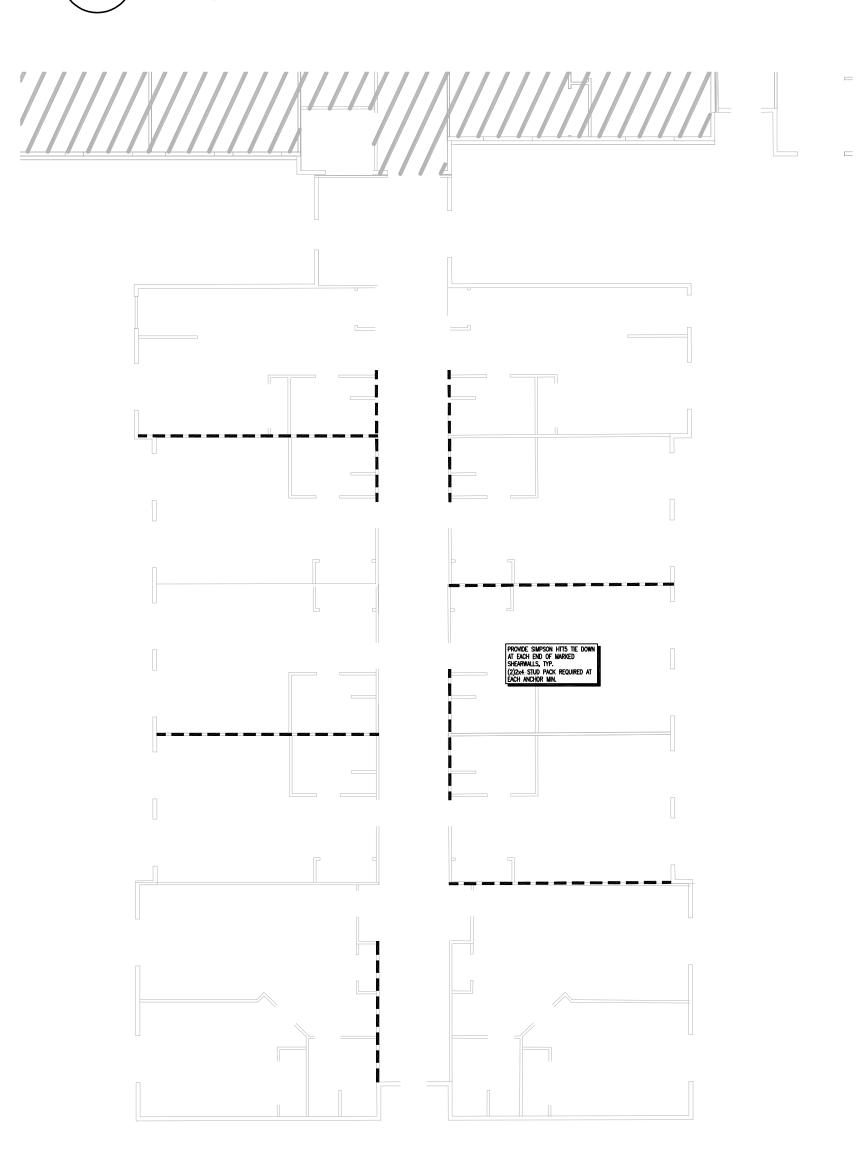
EXPANSION WING C BRACING PLAN

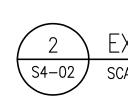
SCALE: 3/32" = 1'-0"



EXPANSION WING A BRACING PLAN

SCALE: 3/32" = 1'-0"





EXPANSION WING B BRACING PLAN

SCALE: 3/32" = 1'-0"

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BLUE RIDGE ASSISTED LIVING & MEMORY CARE 1600 BALLEWTOWN ROAD, BLUE RIDGE, GA 30513 (FANNIN COUNTY) **ENLARGED BRACING PLANS**

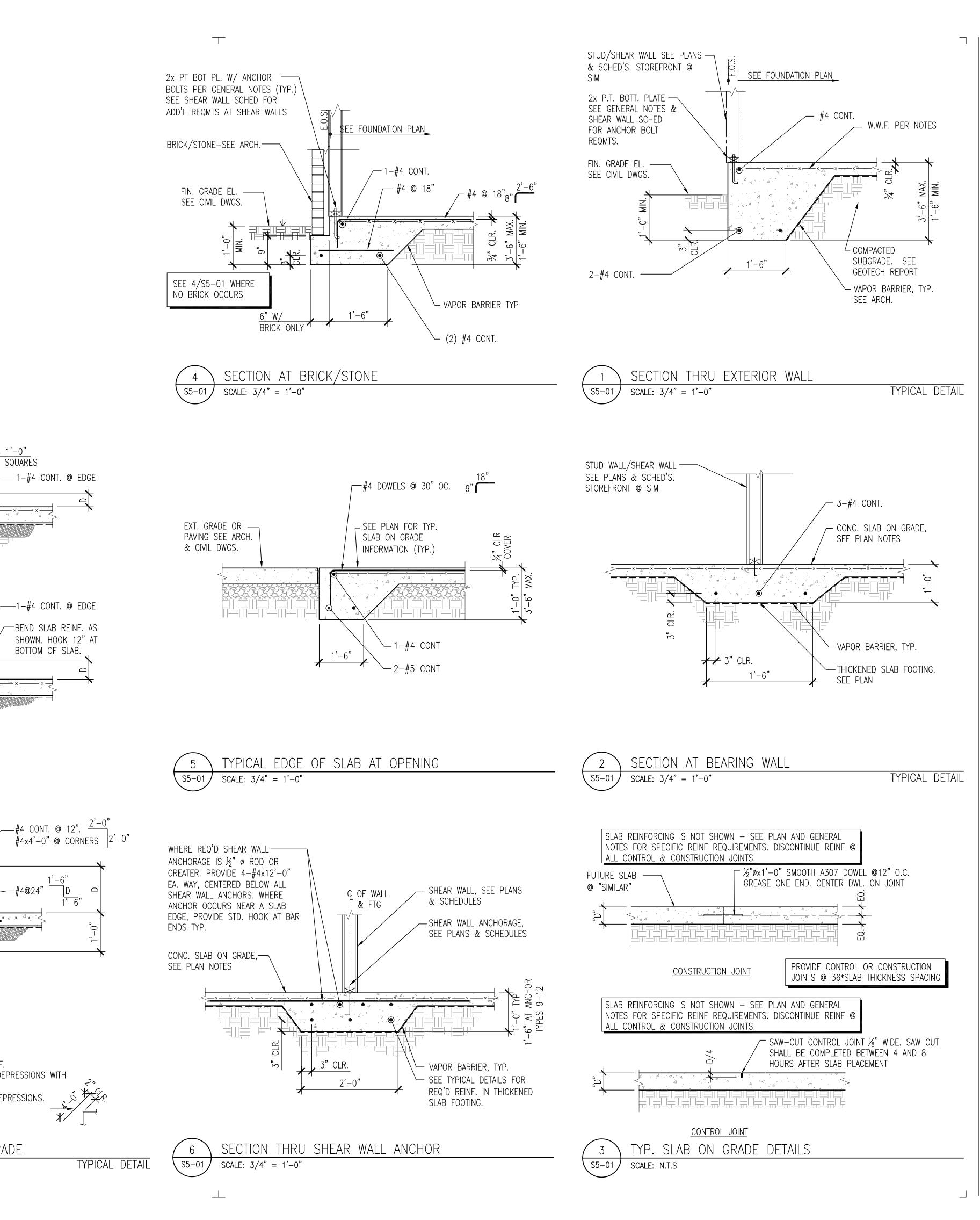
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ISSUE: REVISIONS:



DRAWN BY:

PROJECT NO. SHEET NO.:



LAP BARS 1'-0"
LAP MESH 2 SQUARES

BOTTOM OF SLAB.

D LESS THAN 6"

1'-6"

GREATER THAN 6" TO 10"

GREATER THAN 10" TO 24"

2. COORDINATE DEPTHS AND LOCATIONS OF ALL FLOOR DEPRESSIONS WITH

3. PROVIDE 1-#4 DIAGONAL TOP AT CORNERS OF ALL DEPRESSIONS.

DEPRESSIONS IN SLAB-ON-GRADE

1. SEE PLAN FOR SLAB ON GRADE THICKNESS AND REINF.

ARCHITECTURAL DRAWINGS.

SCALE: 3/4" = 1'-0"

FINISH SLAB-

NATURAL SLOPE -

NATURAL SLOPE —

LAP BARS 1'-0" LAP MESH 2 SQUARES

STUD WALL -

WHERE OCCURS

1-#4 CONT. AT EDGE

NATURAL SLOPE

3-#5 CONT.

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BLUE RIDGE ASSISTED LIVING & MEMORY CARE 1600 BALLEWTOWN ROAD, BLUE RIDGE, GA 30513 (FANNIN COUNTY)

FOUNDATION DETAILS

ISSUE: **REVISIONS:**

SEAL

DRAWN BY: DATE: ARR 01.19.2018

PROJECT NO. | SHEET NO.:

 \top

BRACING ALONG INTERIOR ROOF TRUSS BEARING LOCATIONS S7-01 SCALE: 1" = 1'-0"

(DIAGONAL BRACING NOT REQUIRED ALONG ATTIC DRAFT STOP LOCATIONS)

\$11111111111 A

"OPTION 1"

ROOF TRUSS @ SHEAR WALL

ROOF TRUSS —

16d NAILS-@7" O.C.

2X CONT.

SCALE: 1" = 1'-0"

OPTION 1: TRUSS MFGR. TO

200 PLF DRAG LOADS.

S7-01

DESIGN PREFAB ROOF TRUSS FOR

OPTION 2: SHEARWALL SHEATHING RUNS CONT. TO ROOF DECK.

TRUSS DOES NOT NEED TO BE DESIGNED FOR LATERAL LOAD.

ROOF DECK —

– EDGE NAILING *—*

SHEARWALL SHEATHING —

TO MATCH WALL BELOW

16d NAILS @ 7" O.C. __

-SHEAR WALL SEE PLANS — & SCHEDULES.

ROOF TRUSS ---

\,

"OPTION 2"

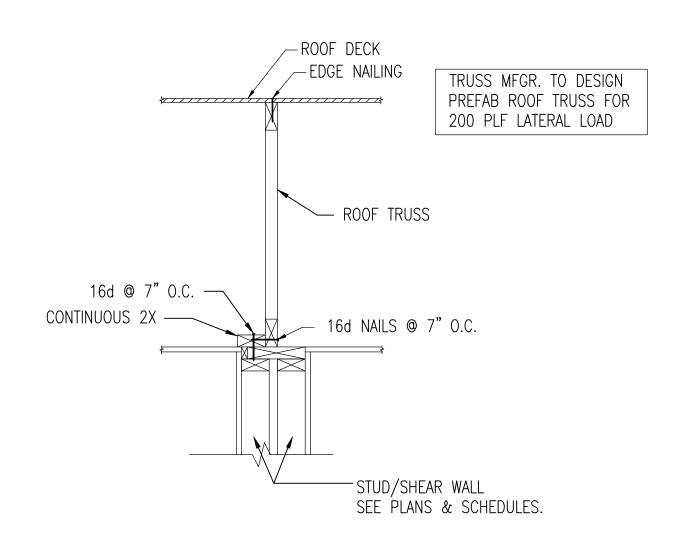
ROOF DECK FASTENED TO — TRUSS BLOCK W/ 8d NAILS @ 6"O.C. PROVIDE TRUSS — BLOCKING AT SHEAR — FASTEN BLOCKING WALL PER 1/S7-01 PER 1/S7-01 —CLIP – SEE SHEAR WALL EDGE NAILING SEE ROOF NOTES SHEAR WALL SCHEDULE TRUSSES ROTATED SEE STUD SCHEDULE AND 90° AT SIM BRACING PLAN

/— ROOF TRUSS

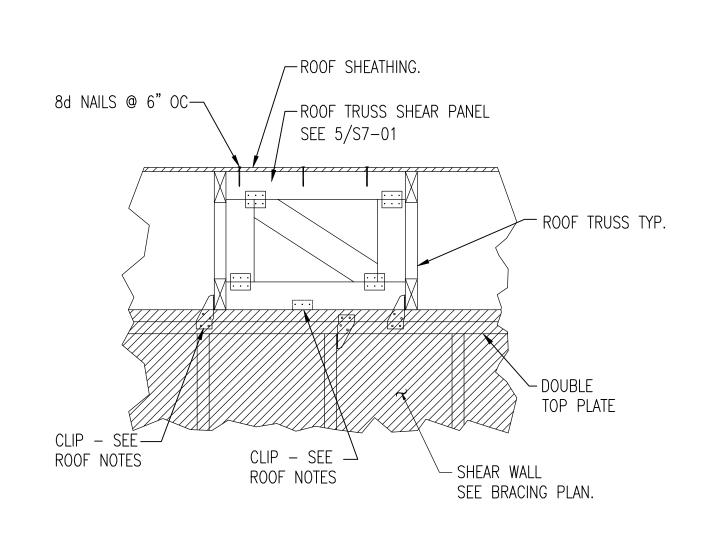
ROOF TRUSS BEARING AT EXTERIOR WALL S7-01/ SCALE: 1" = 1'-0"

FASTEN ROOF DECK TO — TOP CHORD OF PANEL W/ 8d NAILS @ 6" O.C. - TRUSS MFGR. TO DESIGN PREFAB TRUSS PANEL FOR LATERAL LOADS SHOWN ON S4-00 IES WITH PROFILE

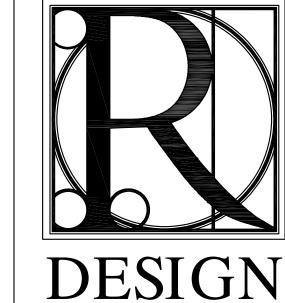
ROOF TRUSS SHEAR PANEL S7-01 SCALE: 1" = 1'-0"



SECTION @ PARTY WALL SCALE: 1" = 1'-0"\ S7-01 /



SECTION AT SHEARWALLS S7-01 SCALE: 1" = 1'-0"



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ROOF ISSUE: **REVISIONS:**

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