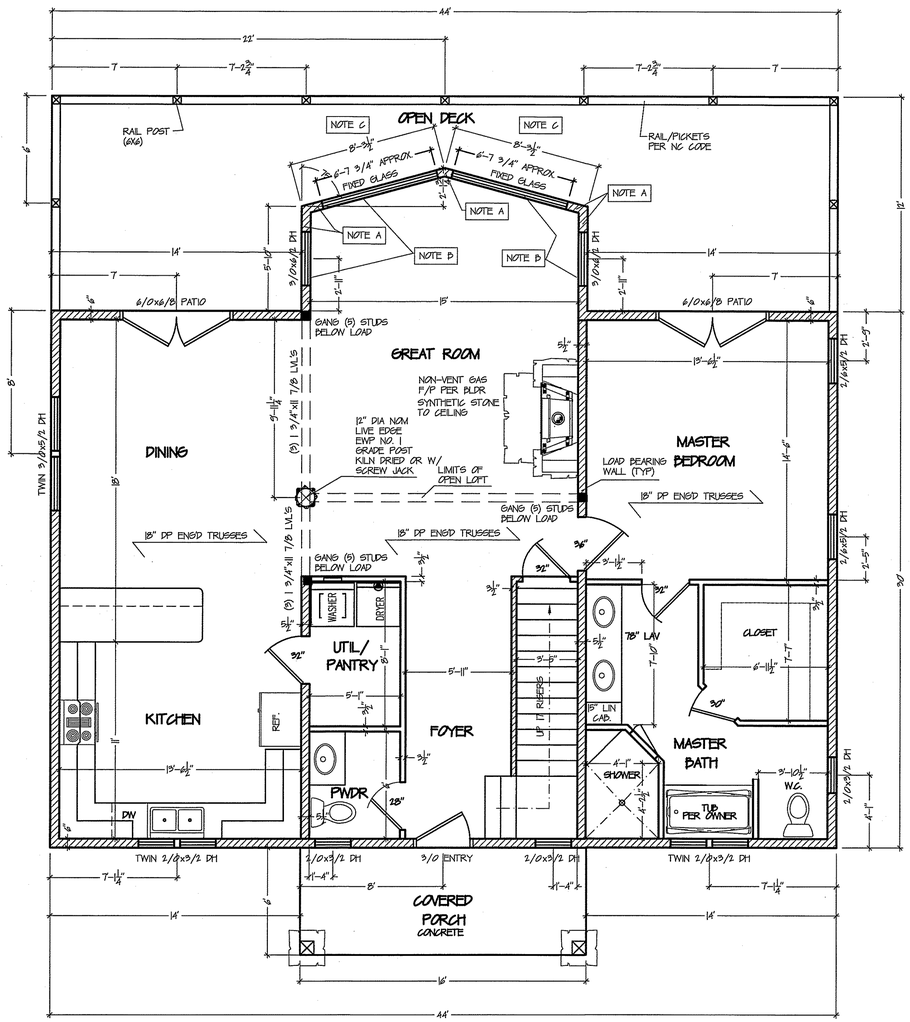
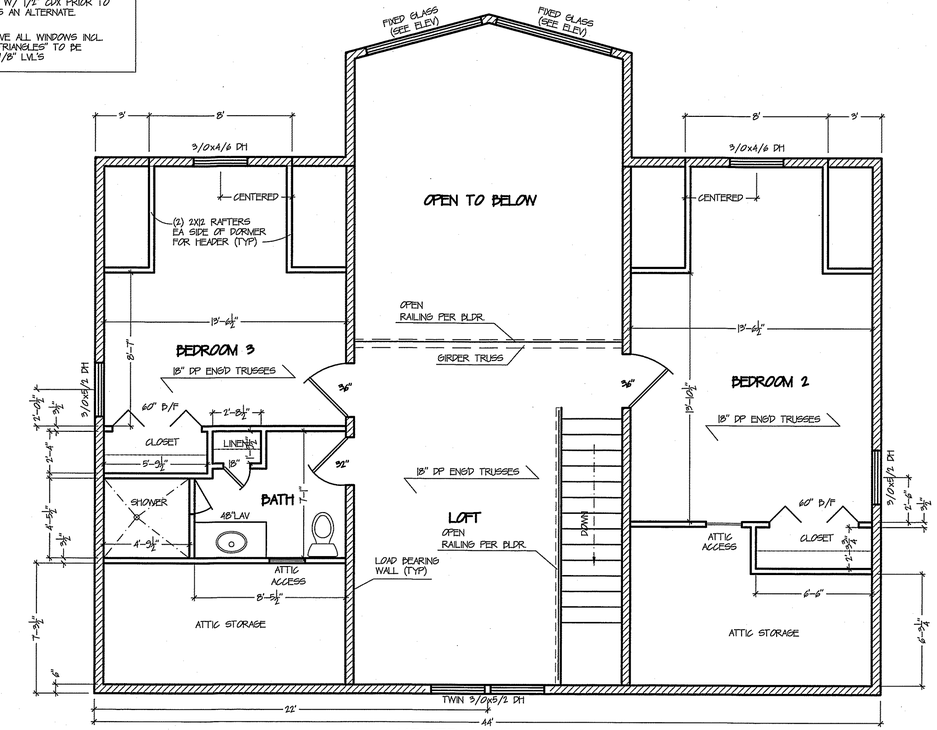


MAIN LEVEL PLAN

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

NOTES FOR REAR GABLE AND RETURN (A, B, C) APPLY TO ENTIRE WALL FROM FOUNDATION TO ROOF

- NOTE A: INSTALL 3/8"X5" STL FLITCH PLATE FROM FDTN TO CLG IN FRAMING. FLITCH PLATE ASSEMBLY 5/8" CARRIAGE BOLTS @ 12" OC. VERT IN CENTER
- NOTE B: INTERIOR OF THIS WALL TO BE SHEATHED W/ 1/2" CDX PRIOR TO FINISH. OSB IS AN ALTERNATE.
- NOTE C: HEADERS ABOVE ALL WINDOWS INCL. AT TOP OF "TRIANGLES" TO BE (3) 1 3/4"X11 7/8" LVL'S



UPPER LEVEL PLAN

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

NOTES

1. EXTERIOR WALLS TO BE 2X6 SP @ 16" O.C. W/ 1/2" PLYWOOD SHEATHING OR OSB W/ HOUSEWRAP INSULATION IN THESE WALLS TO BE R-19 BATT
2. SIDING HARDI PLANK O/E CEMENT LAP; 8" LAP IS SHOWN (7 1/4" REVEAL)
3. CORNERS AND TRIM 2X HARDI O/E TRIM FASTENED PER SUPPLIER'S RECOMMENDATIONS.
4. FLOOR TO BE ENGINEERED FLOOR TRUSSES AS SHOWN. MEMBERS DENOTED LVL GP 2.0E TO BE GEORGIA PACIFIC 1 3/4" THICK X DEPTHS DENOTED. MODULUS OF ELASTICITY TO BE 2,000,000
5. CONTRACTOR TO COORDINATE WITH PLUMBER TO CONSTRUCT 2X6 PLUMBING WALL(S) PRIOR TO FRAMING.
6. DIMENSIONS ON PLANS ARE TO UNFINISHED STUDS. DIMENSIONS REFERENCED TO OUTSIDE WALL ARE TO SHEATHED PLYWOOD OUTSIDE FACE (6")
7. KITCHEN PLAN IS SHOWN IN CONCEPT ONLY; FINAL LAYOUT TO BE BY CABINET SUPPLIER.
8. TIMBERFRAME FRONT TO BE EASTERN WHITE PINE, AND IS SHOWN IN CONCEPT ONLY. DESIGN TO BE COORD. W/ ENGINEER AND OWNER. POSTS TO BE TREATED OR CYPRESS.

WINDOW/GLASS TEMPERING AND PERFORMANCE

THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS FOR THE PURPOSES OF GLAZING:

1. GLAZING IN SWINGING DOORS AND FIXED AND SLIDING PANELS OF SLIDING (PATIO) DOOR ASSEMBLIES.
2. GLAZING IN DOORS AND WALLS OF ENCLOSURES FOR HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS AND OTHER SUCH FACILITIES WHERE SUCH GLAZING IS LOCATED 36 INCHES (914 MM) OR LESS, MEASURED HORIZONTALLY, FROM A STANDING OR WALKING SURFACE WITHIN THE ENCLOSURE AND WHERE THE BOTTOM EDGE OF THE EXPOSED GLAZING IS LESS THAN 60 INCHES (1524 MM), MEASURED VERTICALLY, ABOVE SUCH STANDING OR WALKING SURFACES.
3. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 15-INCH (610 MM) RADIUS OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES (1524 MM) ABOVE THE FLOOR OR WALKING SURFACE.

   EXCEPTION: GLAZING IN WALLS PERPENDICULAR TO THE PLANE OF THE DOOR IN A CLOSED POSITION IN GROUP R3 OR WITHIN DWELLING UNITS IN GROUP R2 SHALL BE SUBJECT TO2405.2.1(4).
4. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESCRIBED IN ITEMS 2 AND 3 ABOVE, THAT MEETS ALL OF THE FOLLOWING CONDITIONS:
   - 4.1. EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQ FT (0.84 M^2).
   - 4.2. BOTTOM EDGE LESS THAN 18 INCHES (457 MM) ABOVE THE FLOOR.
   - 4.3. TOP EDGE GREATER THAN 36 INCHES (914 MM) ABOVE THE FLOOR.
   - 4.4. ONE OR MORE WALKING SURFACES WITHIN 36 INCHES (914 MM) HORIZONTALLY OF THE PLANE OF THE GLAZING.

AREA CALCULATION (NET):	
MAIN LEVEL	1,345 S.F.
UPPER LEVEL (FIN)	1,088 S.F.
LOWER LEVEL (UNFIN)	755 S.F.
GARAGE	565 S.F.
DECKS (OPEN)	417 S.F.
COVERED PORCH	96 S.F.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: _____
DRAWN BY: _____
SHEET CHK'D BY: _____
CROSS CHK'D BY: _____
APPROVED BY: _____
DATE: 3/15

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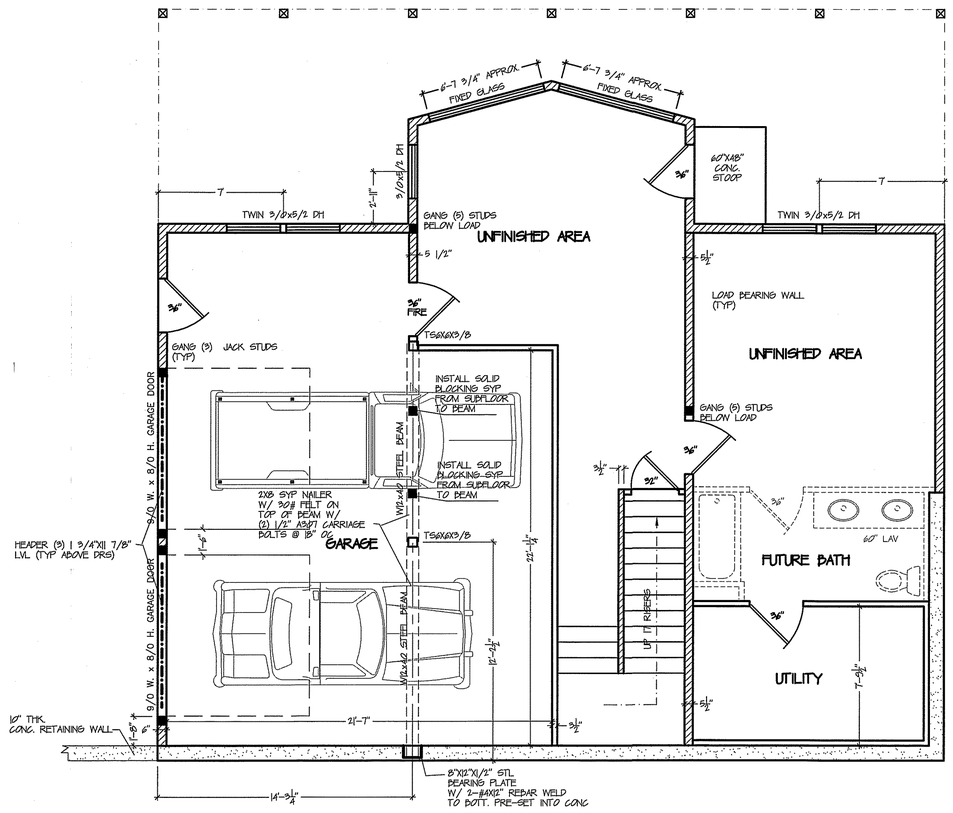
DISTINCTIVE DEVELOPERS RESIDENCE
LOT 16 WINDING CREEK FARM
MURPHY, NC

PLANS-MAIN & UPPER LEVEL

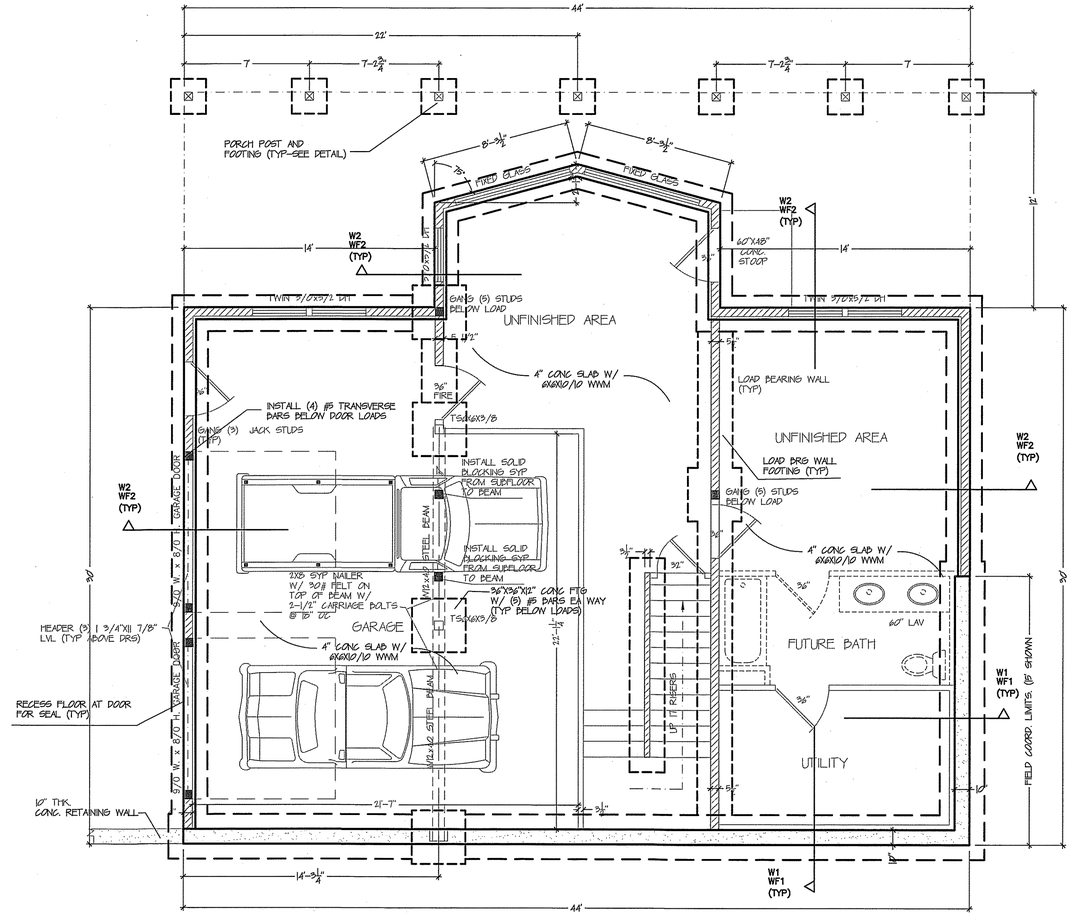
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 23963 LARRY ALTON LACKEY JR.
LARRY A. LACKEY, JR., PE
NC PE NO. 23963

SHEET NO.
S-1



LOWER LEVEL PLAN

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



FOUNDATION PLAN

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

GENERAL STRUCTURAL NOTES

1. CONTRACTOR SHALL COORDINATE ALL DIMENSIONS AND RELATIONSHIPS WITH ARCHITECT'S/OWNER'S/ BUILDING DESIGNER'S DRAWINGS. THE FINISHED FLOOR ELEVATION IS ASSUMED AT 0'-0" FOR REFERENCE ONLY AND IN NO WAY SHALL THE BUILDING PLANS BE USED TO SET THE FINISHED FLOOR ELEVATION ABOVE SEE LEVEL (NATIONAL GEODETIC VERTICAL DATUM, NGVD). FOR FINISHED FLOOR ELEVATION, REFER TO SITE PLAN BY OTHERS.
2. DESIGN AS SPECIFIED IN THESE STRUCTURAL DRAWINGS SHALL BE FOLLOWED UNLESS REVISED BY THE ENGINEER AND SUBSEQUENTLY APPROVED AND PERMITTED BY CHEROKEE COUNTY CODE ENFORCEMENT. SPECIFICATIONS SHALL BE MET OR EXCEEDED FOR CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, AND SAFETY TO PRODUCE THE BUILDING IN SUBSTANTIAL CONFORMANCE WITH THESE DRAWINGS AND SPECIFICATIONS. THE ENGINEER DOES NOT ASSUME RESPONSIBILITY FOR CONSTRUCTION SUPERVISION OR COORDINATION OF THE CONSTRUCTION SEQUENCE OR TRADES.
4. THE BUILDING SYSTEM AS SPECIFIED HEREIN IS DESIGNED TO BE INTEGRAL WITH ALL COMPONENTS OF THE STRUCTURE, AND NO SINGLE STRUCTURAL SYSTEM SHALL BE CONSIDERED TO BE SELF-SUPPORTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGNING AND PROVIDING TEMPORARY SHORING AND SUPPORTS, DURING THE CONSTRUCTION PROCESS.
5. THESE DRAWINGS ARE IN ACCORDANCE WITH THE NC RESIDENTIAL BUILDING CODE, LATEST EDITION. ALL WORK NOT SPECIFICALLY IDENTIFIED HEREIN SHALL BE IN ACCORDANCE WITH THIS CODE.
6. THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR FIELD CONDITONS ENCOUNTERED NOT ANTICIPATED OR SPECIFIED HEREIN. SUCH CONDITIONS INCLUDE HIGH WATER TABLE, UNSUITABLE OR UNSTABLE SOIL, OR ROCK ENCOUNTERED.

LOAD AND DESIGN DATA

1. FOUNDATION DESIGN IS BASED ON AN ALLOWABLE SOIL BEARING CAPACITY OF 2,000 PSF. THE CONTRACTOR SHALL VERIFY THAT THESE CONDITIONS EXIST PRIOR TO CONSTRUCTION.
2. DESIGN IS BASED ON THE FOLLOWING LOADS:
   ROOF LOADS: LL=25 PSF, DL=20 PSF, GROUND SNOW LOAD = 15 PSF
   PARTITION WALLS: DL=6 PSF
   WIND LOAD BASIS (SPEED): 90 MPH
   FLOOR LOADS: LL=40 PSF, DL=10 PSF

   (SEE ALSO GENERAL NOTES)

LUMBER

1) *PRESSURE TREATMENT SHALL BE PROVIDED TO MEET OR EXCEED THE COMPLIANCE CODE CITED AND WHERE NOTED. P.T. MEANS PRESSURE TREATMENT. FIELD CUTS AND HOLES SHALL BE PRESERVATIVE TREATED.*
2) *SEE RELATED NOTES ON ROOF CONSTRUCTION AND ON HURRICANE ANCHORS.*
3) *WALL STUDS MIN. Fb = 675 P.S.I. WHERE NOT NOTED SHALL BE 2" x 6" STUDS @ 16" O.C.*
4) *WOOD HEADERS MIN. Fb = 975 P.S.I. WHERE NOT NOTED SHALL BE 2) 2" x 12".*
5) *BEAM STRESSES:*
   LVL'S SHALL BE GEORGIA PACIFIC 2.0E 1 3/4" THICK DEPTH PER PLAN
6) *PLYWOOD ROOF SHEATHING, WHERE NOT NOTED OTHERWISE SHALL BE NAILED WITH 8d COMMON NAILS 6" O.C. (4" O.C. EDGE) AND WITH PLYWOOD CLIPS AT ALL LOCATIONS. (THIS IS AN EXCEPTION TO TABLE R602.3(1))*
7) *ALL WESTERN RED CEDAR SHALL BE NO. 1 GRADE; Fb=975 Fv=70 E=1,000,000 (MINIMUM) AND SHALL BE GRADE STAMPED*

HURRICANE ANCHORS

1) *ALL HURRICANE ANCHORS TO BE SBCCI TESTED AND APPROVED, AND SIZED FOR LOADS REQUIRED. MANUFACTURER SHALL BE SIMPSON STRONG TIES COMPANY.*
2) *SEE DRAWING PLANS AND DETAILS FOR SPECIFIC TYPES.*

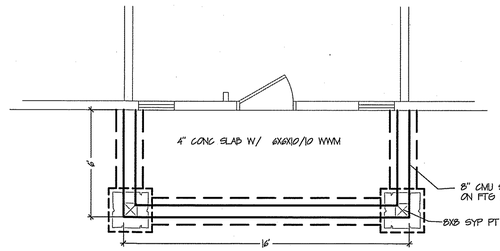
GENERAL STRUCTURAL NOTES-FDTN

1. DESIGN LOADS:
   SEE LOAD DESIGN DATA NOTE 2
2. SOIL PRESSURE DESIGN MAX: 2,000 PSF
   THE FOUNDATION HAS BEEN DESIGED FOR A PRESUMPTIVE SOIL BEARING CAPACITY OF 2,000 PSF. THE ENGINEER MAY NEED TO DETERMINE CAPACITY IF CONDITIONS DO NOT SUPPORT TYPICAL ASSUMED CONDITIONS. SUCH CONDITIONS INCLUDE HIGH WATER TABLE, WEATHERED OR SANDY SOIL CONDITIONS OR LOAM TYPE SOILS.
3. CONCRETE DESIGN SHALL BE PER CURRENT EDITION OF ACI.
   FOOTING AND SLABS Fc = 3,000 PSI WALL Fc = 4,000 PSI
4. STEEL REINFORCEMENT BARS SHALL BE GRADE 60, ASTM A-615
   PROVIDE SHOP TICKET TO ENGINEER TO VERIFY THAT GRADE 60 IS USED.
5. MINIMUM COVER FOR STEEL REINF. SHALL BE:
   WALLS: 2"
   FOOTINGS: 3"
6. SPLICES IN REINFORCEMENT WHERE PERMITTED SHALL BE CLASS "C" TENSION SPLICES AS FOLLOWS (INCHES) (SPLICES MUST BE TIED)
   (USE 48" MIN SPLICING; BULKHEADS SHALL BE SPLICED FULL HEIGHT)
7. ALL REINFORCING SHALL BE HELD IN PLACE SECURELY WITH STANDARD ACCESSORIES DURING PLACEMENT OF CONCRETE.
8. COORDINATE ALL DIMENSIONS AND RELATIONSHIPS WITH OWNER'S LAYOUT AND SITE DRAWINGS AND TIMBERFRAME DRAWINGS
9. CONTACT ENGINEER FOR INSPECTION OF FIELD CONDITIONS OTHER THAN SPECIFIED

NOTE: HORIZONTAL STEEL AT CORNERS/BENDS SHALL BE LAP SPLICED WITH DISTANCES AS NOTED ABOVE.

DO NOT POUR CONCRETE IN COLD WEATHER; TEMPERATURE MUST BE GREATER THAN 40-DEGREES AND RISING; ACCELERATOR ADDITIVES (IE. CALCIUM TYPES) WILL NOT BE ALLOWED; ADDITIVES MUST BE APPROVED BY THE ENGINEER

BACKFILLING SHALL BE DONE IN 6" TO 8" LIFTS AND SHALL BE MECHANICALLY COMPACTED BY USE OF A HAND VIBRATORY PLATE COMPACTOR. NO HEAVY EXCAVATING EQUIPMENT WILL BE ALLOWED IN THE PROXIMITY OF THE WALLS. PROVIDE TEMP SHORING ON OPPOSITE SIDE OF WALL.



FOUNDATION PLAN-FRONT PORCH

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

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: _____
DRAWN BY: _____
SHEET CHK'D BY: _____
CROSS CHK'D BY: _____
APPROVED BY: _____
DATE: 3/15

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DISTINCTIVE DEVELOPERS RESIDENCE
LOT 16 WINDING CREEK FARM
MURPHY, NC

PLANS-LOWER & FOUNDATION & DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 23963 LARRY A. LACKEY, JR.

LARRY A. LACKEY, JR., PE
NC PE NO. 23963

SHEET NO.
S-2

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

LEFT SIDE ELEVATION
SCALE: 1/4"= 1'-0"

RIGHT SIDE ELEVATION
SCALE: 1/4"= 1'-0"

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

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: _____
DRAWN BY: _____
SHEET CHK'D BY: _____
CROSS CHK'D BY: _____
APPROVED BY: _____
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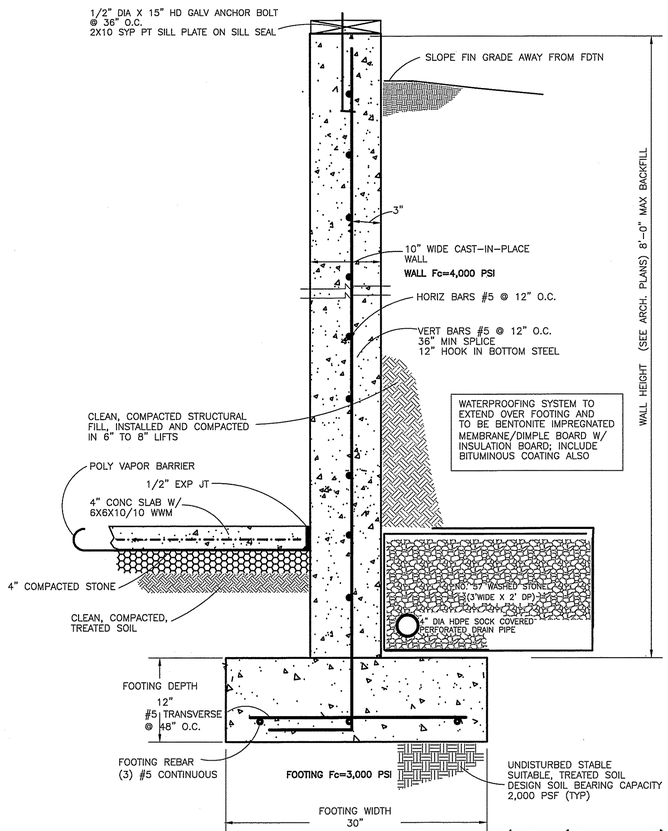
ELEVATIONS

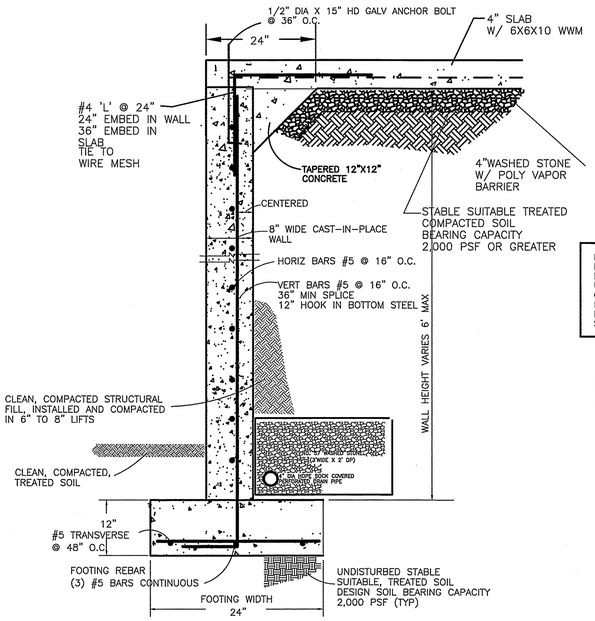
NORTH CAROLINA PROFESSIONAL SEAL 23963 ENGINEER LARRY A. LACKEY, JR.
LARRY A. LACKEY, JR., PE
NC PE NO. 23963

SHEET NO.
S-3



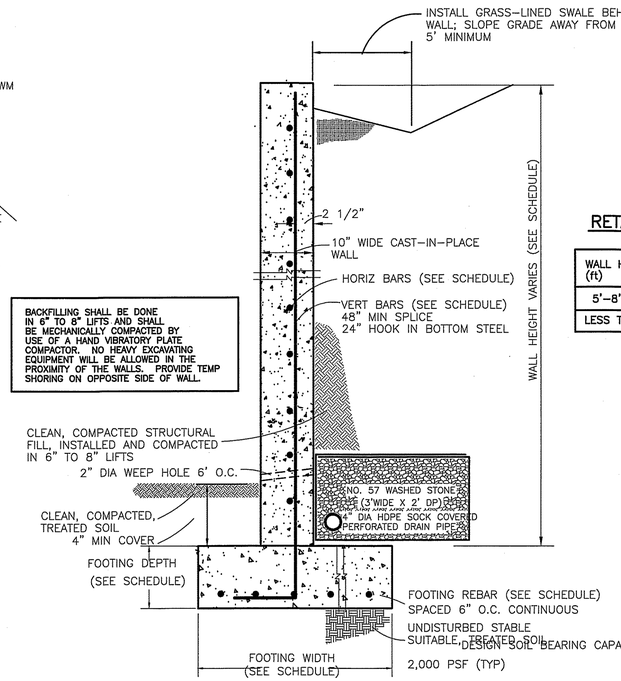
BASEMENT FOUNDATION SECTION W1/WF1 (FILL SIDE)

N.T.S.



FOUNDATION WALL SECTION W2/WF2

N.T.S.

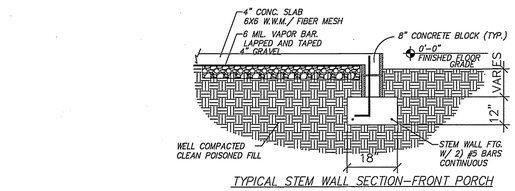


RETAINING WALL SECTION

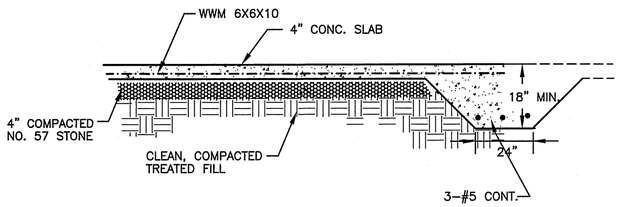
N.T.S.

RETAINING WALL SCHEDULE

WALL HEIGHT (ft)	VERT BARS SIZE/SPACE	HORIZ BARS SIZE/SPACE	FTG WIDTH (ft)	FTG DEPTH (in)	FTG BARS
5'-8'	#5@12"O.C.	#5@12"O.C.	3'	12"	1 MAT #5
LESS THAN 5'	#5@16"O.C.	#5@16"O.C.	2'	12"	1 MAT #5

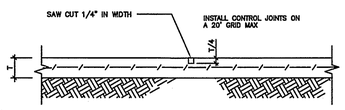


TYPICAL STEM WALL SECTION-FRONT PORCH



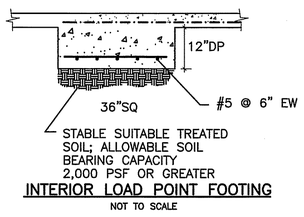
INTERIOR BEARING WALL SLAB SECTION

NOT TO SCALE



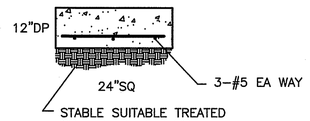
SAW CUT (CONTROL) JOINT

N.T.S.



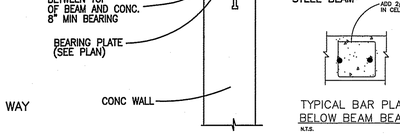
INTERIOR LOAD POINT FOOTING

NOT TO SCALE



DECK POST FOOTING

NOT TO SCALE

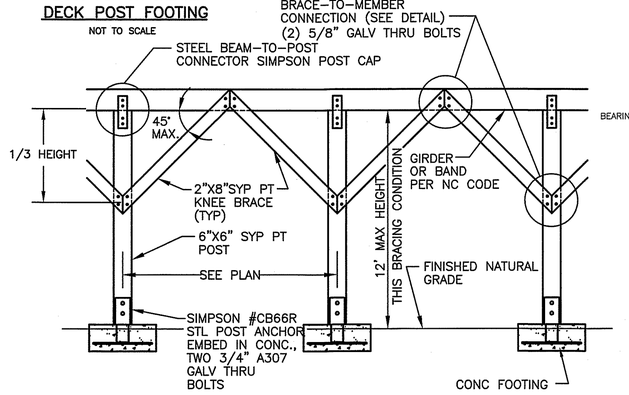


TYPICAL BAR PLACEMENT BELOW BEAM BEARING PTS.

N.T.S.

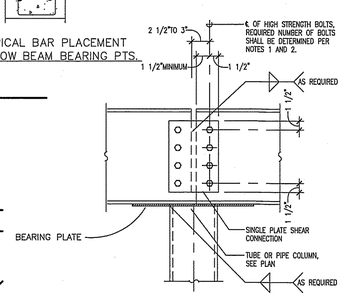
STEEL BEAM TO POURED WALL

N.T.S



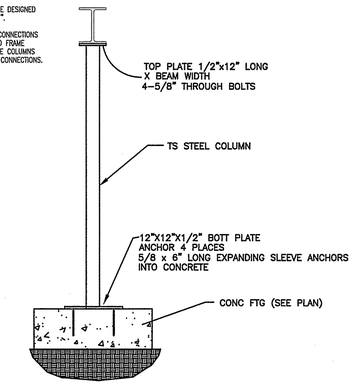
DECK POST & LATERAL BRACING DETAIL (LESS THAN 12' MAX HEIGHT)

NOT TO SCALE



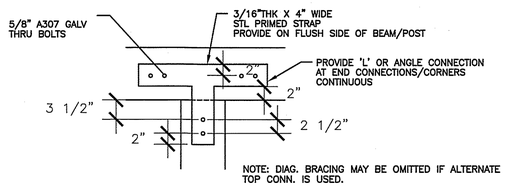
TOP AT INTERSECTING BEAMS

NOTES:
1.) SINGLE PLATE SHEAR CONNECTIONS SHALL BE DESIGNED PER THE REQUIREMENT OF APPENDIX 'C' OF THE AISC MANUAL OF STEEL CONSTRUCTION, VOLUME 2 CONNECTIONS ASD 9TH EDITION/ LRFD 1ST EDITION.
2.) CONNECTIONS SHALL BE DESIGNED AS "FLEXIBLE SUPPORT".
3.) SINGLE PLATE SHEAR CONNECTIONS CAN ALSO BE USED TO FRAME BEAMS TO WIDE FLANGE COLUMNS AND BEAM TO GIRDER CONNECTIONS.



SECTION AT STEEL COLUMN

NOT TO SCALE



NOTE: DIAG. BRACING MAY BE OMITTED IF ALTERNATE TOP CONN. IS USED.

ALTERNATE CONNECTORS IN LIEU OF KNEE BRACING

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY:
DRAWN BY:
SHEET CHK'D BY:
CROSS CHK'D BY:
APPROVED BY:
DATE: 3/15

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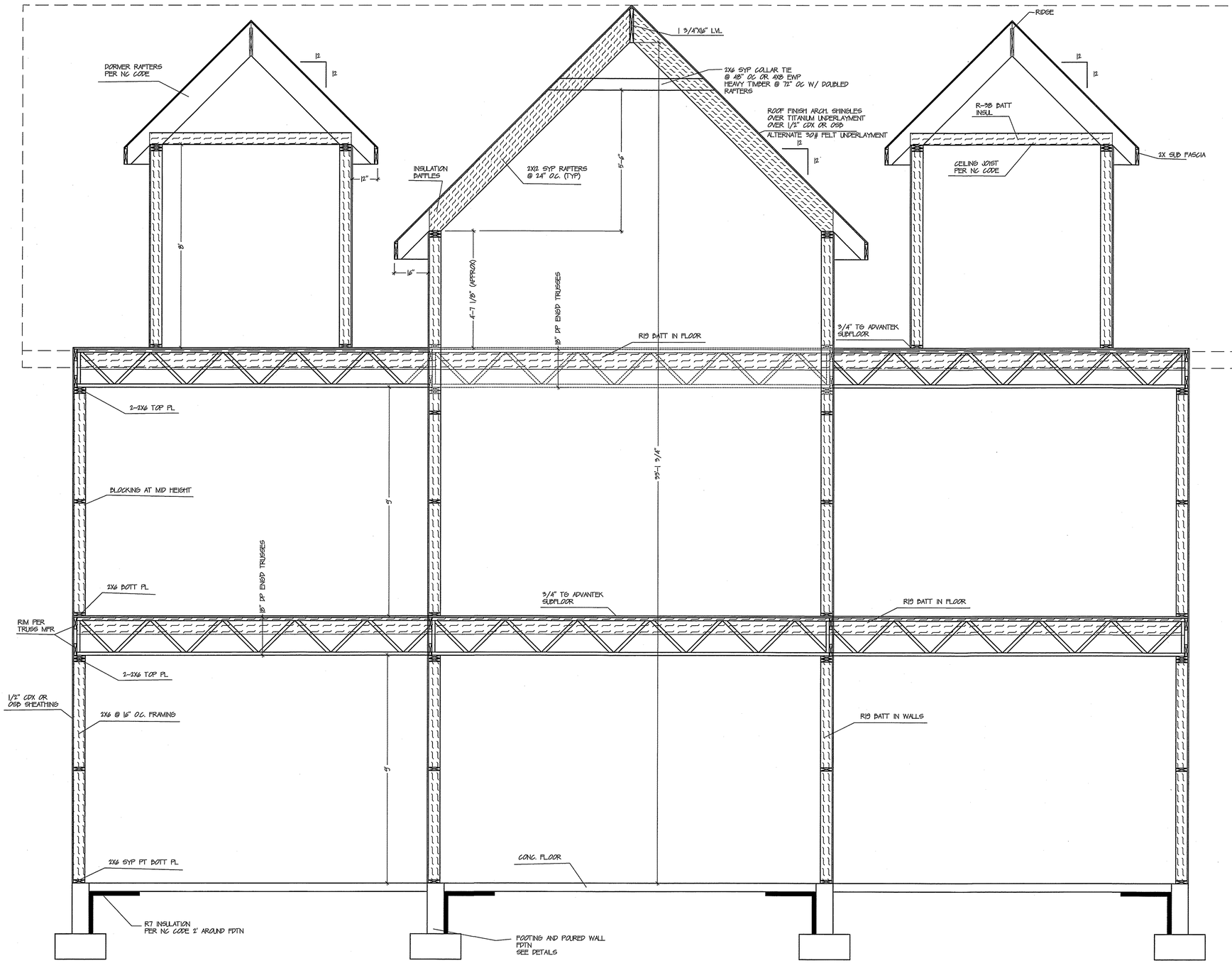
STRUCTURAL SECTIONS AND DETAILS

NORTH CAROLINA PROFESSIONAL SEAL 23963 ENGINEER LARRY ALTON LACKEY

LARRY A. LACKEY, JR., PE
NC PE NO. 23963

SHEET NO.
S-4



FASTENER SCHEDULE FOR STRUCTURAL MEMBERS TABLE R602.3(1)

FASTENERS SHALL BE AS SPECIFIED IN THE NORTH CAROLINA BUILDING CODE TABLE R602.3(1) UNLESS OTHERWISE SPECIFIED ON THE PLANS

DESCRIPTION OF BUILDING ELEMENTS	NUMBER, TYPE & SPACING (a,b,c,d)
JOIST TO SILL OR GIRDER,TOE-NAIL	3-8d
1" x 8" SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL	2-8d or 2-1 3/4" STAPLES
2" SUBFLOOR TO JOIST OR GIRDER, BLIND OR FACE NAIL	2-16d
SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d AT 16" O.C.
TOP OR SOLE PLATE TO STUD, END NAIL	2-16d
STUD TO SOLE PLATE, TOENAIL	(3-8d), OR (2-16d)
DOUBLE STUDS, FACE NAIL	10d AT 24" O.C.
DOUBLE TOP PLATES, TYP. FACE NAIL	10d AT 24" O.C.
SOLE PLATE TO JOIST OR BLOCKING, @ BRACED WALL PANELS	3-16d AT 16" O.C.
DOUBLE TOP PLATES, LAP SPLICE MIN 48"OFFSET OF END JOINTS	8-16d
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOENAIL	3-8d
RIM JOIST TO TOP PLATE, TOENAIL	8d AT 6" O.C.
TOP PLATES, LAPS @ CORNERS AND INTERSECTION, FACE NAIL	2-10d
BUILT-UP OR CONT. HEADER, (2) PIECE w/ 1/2" SPACER	16d AT 16" O.C. ALONG EDGE
CEILING JOIST TO PLATE, TOE-NAIL	3-8d
CONTINUOUS HEADER TO STUD, TOE-NAIL	4-8d
CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	3-10d
CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	3-10d
RAFTER TO PLATE, TOE-NAIL	2-16d
1" BRACE TO EACH STUD AND PLATE, FACE NAIL	2-8d or 2-1 3/4" STAPLES
1" x 8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL	2-8d or 2-1 3/4" STAPLES
1" x 8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL	2-8d or 3-1 3/4" STAPLES
WIDER THAN 1" x 8" SHEATHING TO EA. BRG., FACE NAIL	3-8d or 4-1 3/4" STAPLES
BUILT-UP CORNER STUDS	10d AT 24" O.C.
BUILT-UP GIRDER AND BEAMS, 2" LUMBER LAYERS	10d AT 32" O.C. AT T & B AND STAGGERED. 2-10d AT EACH SPLICE & @ ENDS
2" PLANKS	(2-16d) AT EACH BEARING
ROOF RAFTERS TO RIDGE, VALLEY OR HIP RAFTERS	4-16d TOENAIL or 3-16d FACENAIL
RAFTER TIES TO RAFTERS, FACE	3-8d

WOOD STRUCTURAL PANELS AND PARTICLE BOARD :

SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING)

5/16"– 1/2"---(SUBFLOOR, WALL) 6d COMMON, 6"O.C. EDGES(i), 12"O.C. INTERMEDIATE(G)
5/16"– 1/2"-------(ROOF) 8d COMMON(F.), 6"O.C. EDGES(i), 12"O.C. INTERMEDIATE(G)
19/32"– 1"----------8d COMMON, 6"O.C. EDGES(i), 12"O.C. INTERMEDIATE(G)
1-1/8"– 1-1/4"--8d COMMON or 6d DEFORMED, 6"O.C. EDGES(i), 12"O.C. INTERMEDIATE(G)

OTHER WALL SHEATHING (h):

REGULAR CELLULOSIC FIBERBOARD SHEATHING :

1/2" ----------1 1/2" GA. ROOFING NAIL, 6d COMMON or STAPLE 1 3/4"(b,c,d,e) 3"O.C. EDGES(i), 6"O.C. INTERMEDIATE(c,e)

STRUCTURAL CELLULOSIC FIBERBOARD SHEATHING :

1/2" ----------1 1/2" GA. ROOFING NAIL; 8d COMMON or STAPLE 1 3/4"(b,c,d,e) 3"O.C. EDGES(i), 6"O.C. INTERMEDIATE(c,e)
25/32" ----------1 3/4" GA. ROOFING NAIL; 8d COMMON or STAPLE 1 3/4"(b,c,d,e) 3"O.C. EDGES(i), 6"O.C. INTERMEDIATE(c,e)

GYPSUM SHEATHING

1/2" (H)-----1 1/2" GA. ROOFING NAIL; 6d COMMON or STAPLE GA. 1 1/2";1 1/4 SCREWS, TYPE W OR S.(b,c,d,e) 4"O.C. EDGES(i), 8"O.C. INTERMEDIATE(c,e)
5/8" (H)---1 3/4" GA. ROOFING NAIL; 8d COMMON or STAPLE GA. 1 5/8"; 1 1/4 SCREWS, TYPE W OR S.(b,c,d,e) 4"O.C. EDGES(i), 8"O.C. INTERMEDIATE(c,e)

COMBINATION SUBFLOOR – UNDERLAYMENT (TO FRAMING)

3/4" AND LESS---8d COMMON or 6d DEFORMED, 6"O.C. EDGES(i), 12"O.C. INTERMEDIATE(g)
7/8"– 1"------- 8d COMMON or 8d DEFORMED, 6"O.C. EDGES(i), 12"O.C. INTERMEDIATE(g)
1-1/8"– 1-1/4"---10d COMMON or 8d DEFORMED, 6"O.C. EDGES(i), 12"O.C. INTERMEDIATE(g)

NAILING SCHEDULE NOTES :

FOR SI: 1 INCH = 25.4 MM, 1 FOOT = 304.8 MM, 1 MILE PER HOUR = 1.609 KM/H.

a. ALL NAILS ARE SMOOTH-COMMON, BOX OR DEFORMED SHANKS EXCEPT WHERE OTHERWISE STATED. NAILS USE D FOR FRAMING AND SHEATHING CONNECTIONS SHALL HAVE MINIMUM AVERAGE BENDING YIELD STRENGTHS AS SHOWN: 80ksi (551MPa) FORSHANK DIAMETER OF 0.192 INCH (20d COMMON NAIL), 90ksi(6220MPa) FOR SHANK DIAMETERS LARGER THAN 0.142 INCH BUT NOT LARGER THAN 0.177 INCH, AND 100 ksi (689 MPa) FOR SHANK DIAMETERS OF 0.142 INCH OR LESS.

b. STAPLES ARE 16 GAGE WIRE AND HAVE A MINIMUM 7/16-INCH ON DIAMETER CROWN WIDTH.

c. NAILS SHALL BE SPACED AT NOT MORE THAN 6 INCHES ON CENTER AT ALL SUPPORTS WHERE SPANS ARE 48 INCHES OR GREATER.

d. FOUR-FOOT-BY-8-FOOT OR 4-FOOT-BY-9-FOOT PANELS SHALL BE APPLIED VERTICALLY.

e. SPACING OF FASTENERS NOT INCLUDED IN THIS TABLE SHALL BE BASED ON TABLE R602.3(1).

f. FOR REGIONS HAVING BASIC WIND SPEED OF 110 MPH OR GREATER, 8d DEFORMED NAILS SHALL BE USED FOR ATTACHING PLYWOOD AND WOOD STRUCTURAL PANEL ROOF SHEATHING TO FRAMING WITHIN MINIMUM 48-INCH DISTANCE FROM GABLE END WALLS, IF MEAN ROOF HEIGHT IS MORE THAN 25 FEET, UP TO 35 FEET MAXIMUM.

g. FOR REGIONS HAVING BASIC WIND SPEED OF 100 MPH OR LESS, NAILS FOR ATTACHING WOOD STRUCTURAL PANEL ROOF SHEATHING TO GABLE END WALL FRAMING SHALL BE SPACED 6 INCHES ON CENTER WHEN BASIC WIND SPEED IS GREATER THAN 80 MPH. NAILS FOR ATTACHING PANEL ROOF SHEATHING TO INTERMEDIATE SUPPORTS SHALL BE SPACED 6 INCHES ON CENTER FOR MINIMUM 48-INCH DISTANCE FROM RIDGES, EAVES AND GABLE END WALLS; AND 4 INCHES ON CENTER TO GABLE END WALL FRAMING.

h. GYPSUM SHEATHING SHALL CONFORM TO ASTMC 79 AND SHALL BE INSTALLED IN ACCORDANCE WITH GA253. FIBERBOARD SHEATHING SHALL CONFORM TO EITHER AHA194.1 OR ASTM C 208.

i. SPACING OF FASTENERS ON FLOOR SHEATHING PANEL EDGES APPLIES TO PANEL EDGES SUPPORTED BY FRAMING MEMBERS AND AT ALL FLOOR PERIMETERS ONLY. SPACING OF FASTENERS ON ROOF SHEATHING PANEL EDGES APPLIES TO PANEL EDGES SUPPORTED BY FRAMING MEMBERS AND AT ALL ROOF PLANE PERIMETERS. BLOCKING OF ROOF OR FLOOR SHEATHING PANEL EDGES PERPENDICULAR TO THE FRAMING MEMBERS SHALL NOT BE REQUIRED EXCEPT AT INTERSECTION OF ADJACENT ROOF PLANES. FLOOR AND ROOF PERIMETER SHALL BE SUPPORTED BY FRAMING MEMBERS OR SOLID BLOCKING.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY:
DRAWN BY:
SHEET CHK'D BY:
CROSS CHK'D BY:
APPROVED BY:
DATE: 3/15

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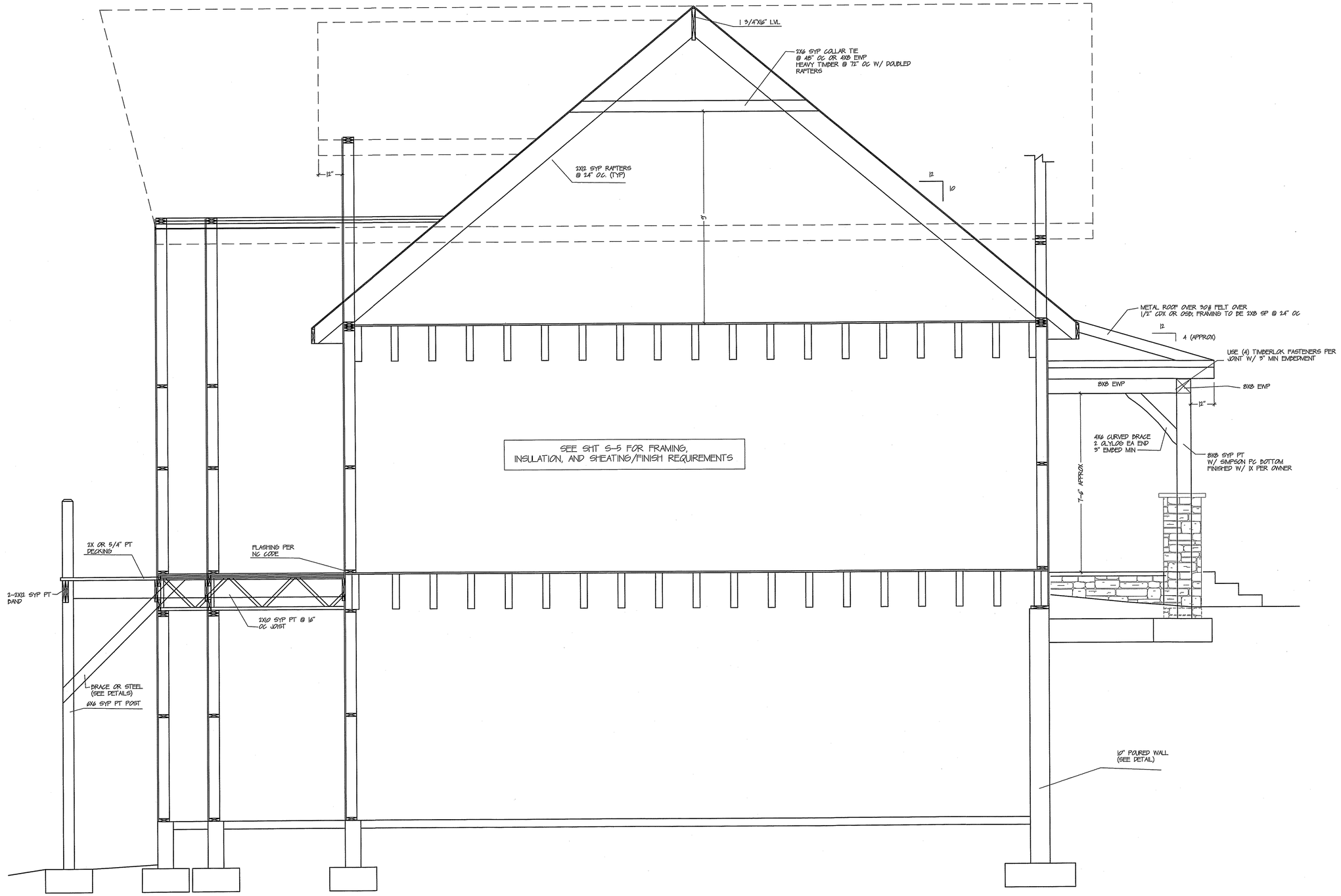
DISTINCTIVE DEVELOPERS RESIDENCE
LOT 16 WINDING CREEK FARM
MURPHY, NC

SECTION–BACK AND FASTENING SCHEDULE

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 23963 LARRY ALTON LACKEY

LARRY A. LACKEY, JR., PE
NC PE NO. 23963

SHEET NO.
S-5



REV. NO.	DATE	DRWN	CHKD	REMARKS

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DISTINCTIVE DEVELOPERS RESIDENCE
LOT 16 WINDING CREEK FARM
MURPHY, NC

SECTION–LEFT

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 23963 LARRY A. LACKEY, JR.

LARRY A. LACKEY, JR., PE
NC PE NO. 23963

SHEET NO.
S–6