STRUCTURAL NOTES:

1. DESIGN SOIL BEARING PRESSURE = 2000 PSF.
   SOIL BEARING CAPACITY SHALL BE VERIFIED AT THE TIME OF EXCAVATION AND ARCHITECT SHALL BE NOTIFIED IF THE ACTUAL SOIL BEARING PRESSURE IS LOWER THAN THE DESIGN SOIL BEARING PRESSURE.

2. DESIGN LOADS:
   DESIGN IS IN COMPLIANCE WITH 2012 INTERNATIONAL BUILDING CODE

   A. ROOF LIVE LOAD = 20 PSF.
   B. ROOF DEAD LOAD = 10 PSF.
   C. BASIC WIND SPEED = 115 MPH. (3 SEC GUST)
      WIND IMPORTANCE FACTOR, Iw, = 1.00
      WIND EXPOSURE CATEGORY = B
      WIND OCCUPANCY CATEGORY: II
      INTERNAL PRESSURE COEFFICIENT, GCpi, +0.18 -0.18
   D. SEISMIC USE GROUP: 1
      SEISMIC SITE CLASS: D
      DESIGN SPECTRAL RESPONSE ACCELERATION COEFFICIENT SDS: 0.30
      DESIGN SPECTRAL RESPONSE ACCELERATION COEFFICIENT SD1: 0.18
      SEISMIC DESIGN CATEGORY: C
      BASIC SEISMIC FORCE RESISTING SYSTEM:
      LIGHT FRAMED WALLS WITH SHEAR PANELS
      RESPONSE MODIFICATION COEFFICIENT, R: 6
      SEISMIC ANALYSIS PROCEDURE: SIMPLIFIED ANALYSIS PROCEDURE
      SEISMIC OCCUPANCY CATEGORY: II
      SEISMIC IMPORTANCE FACTOR: 1

3. CONCRETE:
   CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS = 3000 PSI.
   CONCRETE TEST REPORTS SHALL BE MADE AVAILABLE AT JOBSITE.
   DESIGN OF CONCRETE STRUCTURAL ELEMENTS INCLUDING WALLS, FORMED SLABS, BEAMS AND COLUMNS IS IN ACCORDANCE WITH ACI 318-05.

4. REINFORCING STEEL:
   A. SHALL BE DETAILED, FABRICATED AND PLACED ACCORDING TO THE LATEST STANDARDS OF THE AMERICAN CONCRETE INSTITUTE.
   B. PROVIDE CORNER BARS AT ALL REINFORCED MEMBERS OF THE SAME SIZE AND NUMBER AS THE LARGER OF THE ADJACENT BARS.
   C. N/A
   D. SHALL CONFORM TO THE ASTM A-615, GRADE 60.
   E. ALL SPLICES IN REINFORCEMENT SHALL BE CLASS B AS DEFINED BY THE AMERICAN CONCRETE INSTITUTE.
      MINIMUM LAP SPLICE LENGTH = 29" FOR #4 BARS.
   F. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION.
   G. STEEL REINFORCEMENT TO BE WELDED SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-706 AND WELDING SHALL BE IN ACCORDANCE WITH AWS D1.4, STRUCTURAL WELDING CODE - REINFORCING STEEL BY AMERICAN WELDING SOCIETY.

5. SLAB CONTROL JOINTS:
   A. CONTROL JOINTS SHALL BE LOCATED SUCH THAT NO AREA EXCEEDS 400 SQUARE FEET NOR SHALL THE LENGTH EXCEED TWO TIMES THE WIDTH. CONSTRUCTION JOINTS MAY BE SUBSTITUTED FOR CONTROL JOINTS.
   B. KEYED JOINTS SHALL BE USED AT ALL CONSTRUCTION JOINTS.

6. FOOTINGS:
   A. ALL FILL PLACED BELOW FOOTINGS AND SLABS SHALL BE COMPACTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SOILS REPORT.

7. STRUCTURAL WOOD:
   A. WOOD FRAMING SHALL CONFORM TO SPECIFICATIONS AS PUBLISHED BY THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION.

   B-1. WOOD FRAMING , EXCEPT AS NOTED BELOW, 2 INCHES TO 4 INCHES THICK, 2 INCHES AND WIDER SHALL BE:
   NO. 2 S-P-F OR EQUIVALENT WITH THE FOLLOWING CHARACTERISTICS:
   a) Fb=875 PSI b) Fc=425 PSI c) E=1,400,000 PSI d) Fv=70 PSI e) Fc11=1100 PSI

   B-2. WOOD FRAMING FOR FLOOR JOISTS, POSTS AND HEADERS, 2 IN. TO 4 IN. THICK, 2 INCHES AND WIDER SHALL BE:
   NO. 2 SOUTHERN YELLOW PINE OR EQUIVALENT WITH THE FOLLOWING CHARACTERISTICS:
   a) Fb=1,500 PSI b) Fc=565 PSI c) E=1,600,000 PSI d) Fv=90 PSI e) Fc11=1650 PSI

   C. ALL PLATES IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
   D. LAMINATED VENEER LUMBER (LVL) SHALL BE SOUTHERN YELLOW PINE OR EQUIVALENT WITH THE FOLLOWING CHARACTERISTICS:
   a) Fb=2,800 PSI b) Fc=500 PSI c) E=2,000,000 PSI d) Fv=285 PSI e) Fc11=2700 PSI
   E. UNLESS NOTED OTHERWISE, FASTENING SHALL BE PER LOCAL BUILDING CODE.
   F. CONNECTORS AND FASTENERS FOR PRESERVATIVE-TREATED AND FIRE-RETARDANT-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER INCLUDING BUT NOT LIMITED TO ANCHOR BOLTS, POWDER ACTUATED FASTENERS, NAILS, SCREWS, BOLTS, AND METAL FRAMING HARDWARE. (ZINC COATING WEIGHTS SHALL COMPLY WITH EITHER ASTM A 153M OR ASTM A 641, SUPPLEMENTARY REQUIREMENTS.)

8. NOT USED.

9. STRUCTURAL WOOD DIAPHRAGMS:
   A. PLYWOOD SHEATHING IN DIAPHRAGMS:
      1. ALL ROOF DECK SHEATHING SHALL BE APA RATED SHEATHING, STRUCTURAL I, EXTERIOR ORIENTED STRAND BOARD.
      2. ROOF SHEATHING SHALL BE 5/8" THICK MIN (40/20).
      3. WALL SHEATHING SHALL BE 1/2" THICK MIN (32/16).
      4. STAGGER ENDS OF SHEETS.
      5. PROVIDE CONTINUOUS 2X BLOCKING AT EDGES OF ALL SHEETS. (WALL SHEATHING ONLY)
      6. FASTEN EDGES OF SHEETS AT 6" O.C. MAXIMUM.
      7. FASTEN FIELD OF SHEETS AT 12" O.C. MAXIMUM.
      8. USE MINIMUM 8d NAILS FOR WOOD MEMBERS.

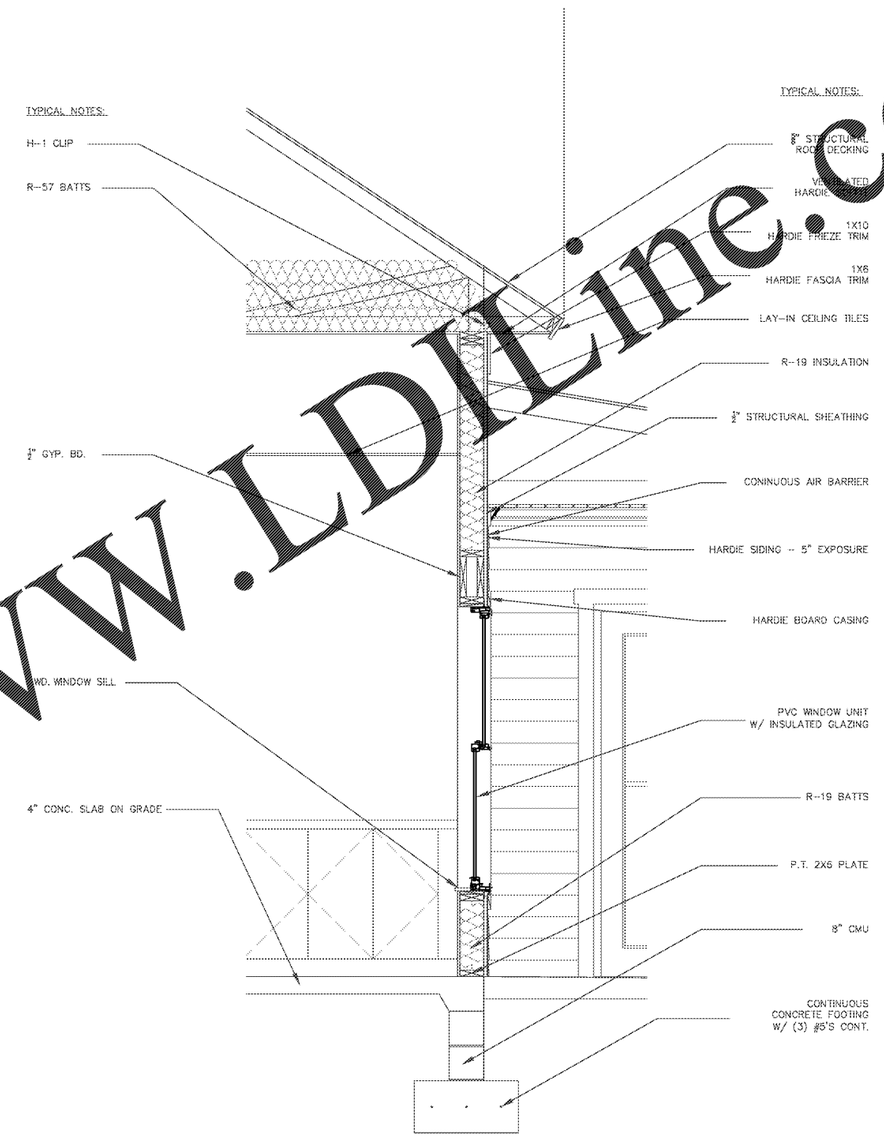
10. WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE AND SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY MARKED ON THE DRAWINGS.

11. PRE-ENGINEERED TRUSSES:
   A. SUBMIT TRUSS SHOP DRAWINGS SHOWING LAYOUT OF MEMBERS, BRIDGING, BRACING, ERECTION DETAILS AND DESIGN CALCULATIONS SEALED BY A REGISTERED ENGINEER LICENSED IN THE STATE OF GEORGIA FOR APPROVAL PRIOR TO FABRICATION. ALL HARDWARE REQUIRED FOR CONNECTIONS BETWEEN TRUSSES SHALL ALSO BE DESIGNED AND SPECIFIED BY THE REGISTERED TRUSS DESIGN ENGINEER OF RECORD. CONTRACTOR SHALL INSURE THAT ALL TRUSSES ARE SECURELY BRACED BOTH DURING ERECTION AND AFTER PERMANENT INSTALLATION IN A BUILDING IN ACCORDANCE WITH TRUSS PLATE INSTITUTE'S "BUILDING COMPONENT SAFETY INFORMATION BOOKLET, BCSI 1-03". ERECTION BRACING SHALL HOLD TRUSSES STRAIGHT AND PLUMB AND IN SAFE CONDITION UNTIL DECKING AND PERMANENT TRUSS BRACING HAS BEEN FASTENED BEFORE APPLICATION OF ANY LOADS. SEE TRUSS DESIGN DRAWINGS FOR BRACING REQUIREMENTS. MATERIAL USED IN BRACING SHALL BE FURNISHED BY THE ERECTION CONTRACTOR.
   B. ROOF TRUSSES SHALL BE LOADED AS FOLLOWS (MINIMUM):
      TOP CHORD:
      LIVE LOAD.....20 PSF
      DEAD LOAD.....10 PSF
      BOTT. CHORD:
      DEAD LOAD.....10 PSF
   C. FLOOR TRUSSES SHALL BE LOADED AS FOLLOWS (MINIMUM):
      TOP CHORD:
      LIVE LOAD.....VARIES - PER IBC TABLE 1607.1
      DEAD LOAD.....20 PSF
      BOTT. CHORD:
      DEAD LOAD.....8 PSF
   D. CONNECTORS SHALL BE AS MANUFACTURED BY THE SIMPSON CO. OR APPROVED EQUAL.
   E. ALL TRUSS PLANS SHALL BE AVAILABLE ON JOB SITE DURING THE TIMES OF INSPECTION, AND SHALL BEAR CLEAR INDICATION THAT THEY HAVE BEEN REVIEWED AND APPROVED BY THE PROJECT STRUCTURAL ENGINEER-OF-RECORD.

FASTENING SCHEDULE

CONNECTION	FASTENER	NUMBER or SPACING
Joist to band joist, face nail	16d common	3
Joist to sill or girder, toe nail	8d common	3
Bridging to joist, toe nail each end	8d common	2
Sole plate to joist or blocking, face nail	16d common	16" o.c.
Top or sole plate to stud, end nail	16d common	2
Stud to sole plate, toe nail	8d common	4
Doubled studs, face nail	10d common	24" o.c.
Doubled top plate, face nail	10d common	16" o.c.
Top plates, top and intersections, face nail	–	2-16d or 3-10d common
Continuous header, two pieces	16d common	16" o.c. along each edge
Ceiling joists to plate, toe nail	8d common	3
Continuous header to stud, toe nail	8d common	3
Ceiling joists, laps over partitions, face nail	–	3-16d or 4-10d common
Ceiling joists to parallel rafters, face nail	–	3-16d or 4-10d common
Rafter to plate, toe nail	8d common	3
Built-up corner studs	16d common	24" o.c.
Built-up girders and beams, of three members	20d common	32" o.c. at top and bottom plies, staggered 2 ends and each splice.
Studs to sole plate, end nail	16d common	2 each end
Wood Structural Panel and Particleboard Roof & Wall Sheathing		
Wall Sheathing 1/2" or less	6d common	6" o.c. edges and 12" o.c. intermediate
19/32" or greater	8d common	6" o.c. edges and 12" o.c. intermediate
5/16" – 1/2"	16 ga galvanized wire staples, 3/8" min. crown. Length of 1" plus wood structural panel or particleboard thickness	4" o.c. edges and 8" o.c. intermediate
19/32" – 3/4"	16 ga galvanized wire staples, 3/8" min. crown. Length of 1" plus wood structural panel or particleboard thickness	2" o.c. edges and 5" o.c. intermediate
Fiberboard Sheathing (1)		
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, 12" o.c. at other bearing areas
25/32" Structural I	8d common nail or 11 ga. galv. roofing nail 1-3/4" long with 7/16" head	3" o.c. at edges, 6" o.c. at other bearing areas
Gypsum Sheathing		
1/2"	11 ga. 1-1/2" galvanized 7/16" head	4" o.c. at edges 8" o.c. at other bearings
5/8"	11 ga. 1-1/2" galvanized 7/16" head	4" o.c. at edges 8" o.c. at other bearings
Gypsum Wallboard		
1/2"	1-3/8" drywall nail (2)	7" o.c. on ceilings 8" o.c. on walls
5/8"	1-1/2" drywall nail (2)	7" o.c. on ceilings 8" o.c. on walls

NOTES:
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 C 514.
3. Siding applied to 5/8" net wood sheathing, 15/32" wood structural panel or 1/2" particleboard sheathing.
4. Corrosion-resistant nails spaced 6" o.c. at edge and 8" o.c. at intermediate supports. Nails shall have a minimum edge distance of 3/8".



1 / A8 TYPICAL WALL SECTION

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

FOR BIDDING & PRICING

STATE OF GEORGIA
REGISTERED ARCHITECT

REVISIONS

#	DATE

A
NEW TOWN
HALL FOR:

THE TOWN OF

NORTH
HIGH
SHOALS

260 HILLSBORO
ROAD

RIDDLE
ARCHITECTURE, P.C

AMERICAN INSTITUTE OF ARCHITECTS

1481 HODGES MILL ROAD
WATKINSVILLE, GA
30677
(404) 285-8646

TITLE: WALL SECTION

JOB #: 1510

DATE: 11.17.17

SHEET #

A8