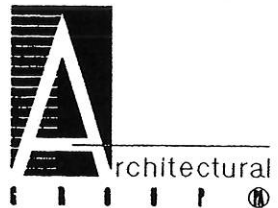


LAKE SHORE TOWN HOMES

TEGA CAY, YORK COUNTY, SOUTH CAROLINA



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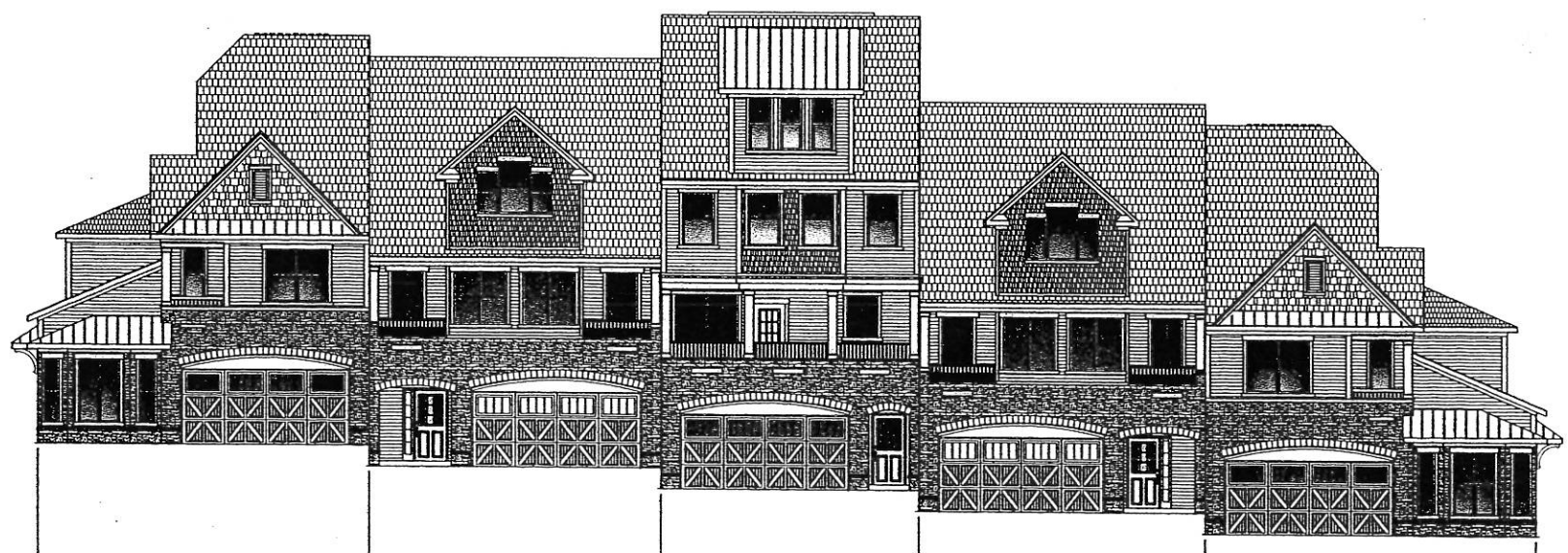
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NOTE:
FLOOR TRUSSES & ROOF TRUSSES SHALL
BE DESIGNED, SIGNED & SEALED BY A
STATE LICENSED ENGINEER.
THE CONTRACTOR SHALL INSTALL ACCORDING
TO THE APPROVED SHOP DRAWINGS.

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DATE ISSUED:	5 JUNE 2006
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LAKE SHORE TOWN HOMES
TEGA CAY, SC

CS.1

GENERAL NOTES

- The latest edition, document A-201 of the A.I.A. "General Conditions of the Contract for the Condition of Buildings" is a part of these specifications. All work, labor and materials shall comply to all local, county and state building, electrical, health and sanitary codes.
- Contractor shall visit site to familiarize himself with scope of work.
- Any damage to adjacent properties shall be paid for at contractor's expense.
- All equipment and workmanship must be skilled and performed by the workmen in a thorough, faithful, and workmanlike manner to the best of their ability, in conformity to the drawings and specifications.
- The owner shall render inspection of the project. The architect shall not have supervision, control or change of the work.
- Verify all utility locations in area before doing any digging.
- All dimensions should be read and calculated. Do not scale drawings. If dimensions are in question, obtain clarifications from architect.

Every attempt has been made in the preparation of these drawings to avoid mistakes. The designer cannot be held liable for any errors or omissions in these drawings.

DESIGN LOADS

- Design loads are all dead loads plus:

Main floor live loads (kitchen level).....	40 PSF
All other floors.....	40 PSF
Balconies.....	60 PSF
Decks.....	50 PSF
Suspended Garages.....	50 PSF
or 2000 Pound Point Load at any Location	
Attic floor live loading with the following:	
Areas accessible by permanent stairs.....	30 PSF
With Storage.....	20 PSF
Without Storage.....	10 PSF
Roof live load.....	20 PSF
Wind load.....	90 MPH
Conforms with Seismic Design Criteria for Zone D-2	
Snow load.....	20 PSF
- All designs are in accordance with the 2000 International Building Code.

1. MASONRY

- All masonry blocks shall conform to ASTM C-90.
- All brick shall conform to ASTM C-216 FM = 1500 PSI.
- Mortar shall be type "M" conforming to ASTM C-270.
- Top courses of C.M.U. foundation walls shall be filled or solid including the courses under any steel beam or corbelled C.M.U.
- Corrugated brick ties shall not be less than No. 22 gauge by $\frac{3}{8}$ " and be installed not more than 24" o/c horizontally and shall support not more than 3.25 square feet of wall area. Weep holes shall be located @ 48" o/c (N.C.) and 32" o/c (I.B.C.) and not less than 3/16" in diameter. Weepholes shall be located immediately above the flashing.
- Flashing:
 - 6 mil poly or other corrosion-resistant material shall be located beneath the first course of masonry above finished ground level above foundation wall or slab and at other points of support, including structural floors, shelf angles and lintels. Top of base flashing shall be installed with a minimum 2" lap behind building paper or water repellent sheathing.
- Anchorage:
 - Masonry veneer shall be anchored to the supporting wall with corrosion-resistant metal ties. Where veneer is anchored to wood backings through the use of corrugated sheet metal ties, the distance separating the veneer from the sheathing material shall be a maximum of 1 inch.

2. FOOTINGS AND FOUNDATIONS

- Soil bearing capacity assumed as 2000 PSF unless noted otherwise or as determined by standard penetrometer test.
- All continuous wall footings for one or two-story houses are 8"x16" and for three-story houses are 8"x20". Reinforcing in footings should be two (2) #4 bars if not noted on the plans. Reinforcement not required by Code, unless footings are on disturbed soil or compacted fill. All continuous wall footings for one or two-story 4" brick veneer over wood framing are 8"x20" and for three-story 4" brick veneer over wood framing are 8"x24".
- All interior piers are 8"x16" CMU up to a maximum height of 32". All piers over 32" high must be filled with Type S mortar. Maximum height for 8"x16" filled pier is 6'-4". Piers larger than 8"x16" are noted on the plans. Pier cap blocks should be 8" of solid masonry.
- Footings for 8"x16" piers are 20"x30"x10" unless noted otherwise. Reinforcing to be as noted on plans.
- Concrete shall have a compressive strength of 3000 PSI in 28 days unless noted otherwise. No concrete shall be poured in temperatures below 40° Fahrenheit unless heat to be provided during curing for two days. The bottom of all footings must be 12" below grade.
- All rebar splices shall be a minimum of 2'-0" unless otherwise noted.
- Any special foundations for structures shall be designed by a Licensed Professional Engineer upon receiving soil capacity specifications for all soil considered to affect the structure.
- Chimney footing sizes are shown on the structural design drawings. Masonry chimney footings must be a minimum of 12" thick with 12" projection on all sides.
- Foundation walls back-filled with soil and supporting structural framing shall be constructed up to 4' max. height. Use bituminous damproofing or membrane waterproofing on exterior.
- Special retaining wall designs to be designed by a state licensed engineer.

NOTE: ALL POINT LOADS FROM ROOF BRACES, JACK STUDS, AND BEAM SUPPORTS - WHETHER WOOD OR STEEL - CANNOT BEAR ON SHEATHING ALONE. BLOCKING EQUAL TO OR BETTER THAN THE SPECIFIED STUDS OR COLUMN PROVIDED FOR POINT LOAD SUPPORT MUST BE CARRIED THROUGH ALL CONSTRUCTION TO THE FOUNDATION.

3. FRAMING CONSTRUCTION - OTHER THAN ROOF

- Crawl space girders and band boards as noted on plans. Maximum clear span to be 4'-8" (6'-0" o/c spacing of piers) unless noted otherwise.
 - Framed floors: Crawl space girders are to be (3)-2x10s and crawl band shall be (2)-2x10s.
 - Trussed floors: To be (1)-1"x..." truss height. Rim board when joists are perpendicular and ... truss height. LVL rim board when joists are parallel unless noted otherwise.
- On all open web floor trusses over a 10' span, a minimum single line of 2x4s shall be nailed to diagonal members or vertical members in the approximate mid-span as a load distribution member.
- To avoid most cracking in finished hardwood floors over any girders, use the following procedure:
 - Nailing Patterns
 - All floor joists must be toe-nailed to their support girders with a minimum of 3-8d nails at each end from each side. Larger nails will split and render the toe-nail ineffective. No end-nauling through the girder or band is permitted except for temporary construction purposes.
 - If dropped girders are used, end-lap all joists 12" minimum and side-nail each with a minimum of 3-16d nails at each end of joist. Ledger strips should be nailed with 3-16d nails at each joist end, with nails spaced 3" apart.
 - Nail multiple-member built-up girders with three rows of 16d nails staggered at 32" o/c, 2" down from the top, 2" up from the bottom, and at mid-depth. Use 3-16d nails at each end of each piece in the joints through the members making up the multiple-girder. If the girder nailing pattern is omitted, then the shrinkage will accumulate over the girders and an objectionable crack will develop in the finished hardwood floor over the girder line.
 - At all girders where the joists change direction, install bridging at 6" o/c for a minimum of six joist spacings beyond any joist direction change. This will insure shrinkage distribution over the floor and not let it accumulate at the girder.
 - There must be wood blocking through-bolted to the steel beam with joist toe-nailed and attached to the beam with metal hangers under any hardwood floors that pass over a steel beam supporting floor joists.
- All crawl space framing lumber must be Southern Yellow Pine. All remaining floors may be Spruce Pine fir #2 unless noted otherwise.
- Steel beams must have (5)-2x4 jock studs under each end support unless noted otherwise on the structural plans. All studs must be nailed together with two (2) vertical rows of 16d nails at 8" o/c, unless noted otherwise.
- LVL beams must have (3)-2x4 jock studs under each end support unless noted otherwise on the structural plans. All studs must be nailed together with two (2) vertical rows of 16d nails at 8" o/c, unless noted otherwise.
- Masonry lintels:
 - For spans up to 6 ft: Use $\frac{3}{8}$ "x $\frac{3}{8}$ "x $\frac{1}{4}$ " steel angles.
 - For spans from 6 ft to 10 ft: Use 5"x $\frac{3}{8}$ "x $\frac{1}{8}$ " steel angles.
 - For spans from 10 ft to 18 ft: Use a pair of 9 gauge wires in each of the first 3 courses of brick on a 5"x $\frac{3}{8}$ "x $\frac{1}{8}$ " steel angle. Lap all 9 gauge wire splices 12" minimum and extend wires 12" minimum into jambs. Temporarily support steel angle before laying masonry. Shoring may be removed five days following the installation of masonry.
 - When structural steel beams with bottom plates are used to support masonry, the bottom plate must extend the full length of the steel beam. This provides support to the ends of the plate by bearing on the adjacent masonry jambs. The beam should be temporarily shored prior to laying the masonry. The shoring may be removed five days after laying the masonry.
- All masonry or stone veneer over lower roofs must have a structural steel angle, minimum 4"x $\frac{3}{8}$ "x $\frac{1}{4}$ ", lag bolted to the adjacent wall studs to prevent sliding of the veneer. A minimum of a double rafter must be installed below masonry chimneys. Thin-set veneer attachments provided by the contractor may supersede this specification, see IBC 703.7 for detail.
- All rafter braces must have 2 studs from the wall top plate through all floors solid to the foundation or supporting beam below. No braces shall be attached to the top wall plate without studs directly under them.
- Where non-bearing parallel partitions fall between floor joists, 2x4 ladders @ 16" o/c must be placed perpendicular to the joists to support the plywood decking or double joist installed directly below wall.
- All wood I-joists must be braced in accordance with the manufacturer's directions plus any details shown on the plans. Load bearing partitions, jacks, beams and column supports must be solidly blocked through the floor as the joists and plywood may not be able to carry the concentrated point loads. All point loads must be carried to the foundations with blocking and/or beams.

(NOTE: All beams and double joists, ect., have been shown for a load bearing purpose. Placement of the load carrying members shown in the plans in locations other than under the structural element they are intended to carry is the responsibility of the contractor. Exact beam locations are not to be scaled from the framing plans.)

- All two-story open rooms with full height openings must be braced to resist pressure resulting from 90 MPH design fastest-mile wind speed or as prescribed for specified wind zones per ASCE 7-98. Any special wall reinforcing shall be shown on the plans provided. Two-story open rooms must be balloon-framed with 2x6s @ 16" o/c as a minimum (no exceptions).
- Stud walls to be listed below unless otherwise noted on the structural plans:
 - Interior One & Two Story walls (with intermediate floors)
 - Load bearing.....2x4 @ 16" o/c
 - Non-load bearing.....2x4 @ 24" o/c allowable, 16" o/c preferred
 - Interior Three Story Walls
 - Load bearing (2nd & 3rd Floor).....2x4 @ 16" o/c
 - Load bearing (1st Floor).....2x4 @ 12" o/c or 2x6 @ 16" o/c
 - Non-load bearing.....2x4 @ 16" o/c
 - Basement Walls
 - Load bearing.....2x4 @ 12" o/c
 - Non-load bearing.....2x4 @ 16" o/c
 - Exterior Walls
 - Exterior walls for three stories shall be 2x6 @ 16" o/c with $\frac{1}{2}$ "x4"x8" OSB sheathing or C-DX plywood over entire exterior.
- Heads shall be as shown unless otherwise noted on the plans:
 - Interior
 - Spans up to 2'-6".....2-2x6s
 - Spans 2'-6" to 3'-6".....2-2x8s
 - Spans 3'-6" to 6'-6".....2-2x10s
 - Spans 6'-6" or more.....See Plan
 - Exterior
 - Spans up to 2'-0".....2-2x6s
 - Spans 2'-0" to 3'-0".....2-2x8s
 - Spans 3'-0" to 5'-0".....2-2x10s
 - Spans 5'-0" to 6'-8".....2-1 $\frac{1}{2}$ "x9 $\frac{1}{2}$ " LVLs or 2-2x12s
 - Spans 6'-8" or more.....See plan
 - Garage Doors (at truss loaded bearing walls)
 - 8' Garage Door.....(2)-1 $\frac{1}{2}$ "x11 $\frac{1}{2}$ " LVLs.....3 Jacks
2 Kings Each side, Full height
 - 16' Garage Door.....(2)-1 $\frac{1}{2}$ "x18" LVLs.....5 Jacks
2 Kings Each side, Full height

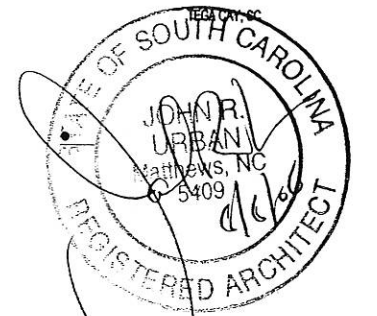


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LAKE SHORE TOWN HOMES



DATE DRAWN: 5 JUNE 2006
PROJECT NO.: 2530
ISSUED FOR: PERMIT & CONSTRUCTION
5 JUNE 2006

G1.1

3. FRAMING CONSTRUCTION - OTHER THAN ROOF (Continued):

- 3.14 Jack Studs:
 1st Story:
 Install a minimum of (3-2x) jack studs under all beams, LVL, etc. (unless noted otherwise)
 2nd Story:
 Install a minimum of (2-2x) jack studs under all beams, LVL, etc. (unless noted otherwise)

NOTE:
 Jack studs on upper level need to have the same number of jack studs on the lower level directly beneath to carry load to foundation.

		Header Width			
		3" (2-2x)	4.5" (3-2x)	6" (4-2x)	
Headers Supporting	Header Span (ft.)	Number of Jack Studs Required at Each End of the Header			
Roof and Ceiling	2	1	1	1	
	4	1	1	1	
	6	2	1	1	
	9	2	2	1	
Roof, Ceiling and One Floor (Center Bearing)	10	3	2	2	
	2	1	1	1	
	4	2	1	1	
	6	2	2	1	
Roof, Ceiling and One Floor (Clear Span)	8	3	2	2	
	10	4	3	2	
	2	1	1	1	
	4	2	2	1	
Roof, Ceiling and Two Floors (Center Bearing)	6	3	2	2	
	8	4	3	2	
	10	5	3	3	
	2	1	1	1	
Roof, Ceiling and Two Floors (Clear Span)	4	2	2	1	
	6	3	2	2	
	8	4	3	2	
	10	5	3	3	
Roof, Ceiling and Two Floors (Clear Span)	2	2	1	1	
	4	3	2	2	
	6	5	3	3	
	8	6	4	3	
Roof, Ceiling and Two Floors (Clear Span)	10	7	5	4	

- 3.15 When ceiling joists are parallel to an exterior wall and rafters bear on the exterior stud wall's top plate, tie the rafters near the top plate to the ceiling joists with 6' long 2x6 runners at 4' o/c across the top of the ceiling joists.
 3.16 At all stairs, every stud at each stringer must be nailed to each stringer with a minimum of 2-16d nails.
 3.17 Steel pipe columns must be in contact with the supported member and continue solid to the supporting masonry or concrete foundation. No intermediate wood blocking should be used.
 3.18 Install extra joists under all parallel partition walls, unless noted otherwise (extra joists may be substituted with 2x4 ladder blocks with Simpson Z4 clips at each end.)
 3.19 Provide 1x4 cross bridging at mid point of span or 8'-0" o/c maximum in all floors.
 3.20 All exterior corners (inside and outside corners) shall be braced with 1/2" CDX plywood, nailing schedule shall be 8d commons at 6" o/c at all intermediate studs. (option - approved diagonal corner braces both directions at all corners).
 3.21 All columns or solid framing shall extend down thru all levels and terminate at the basement floor and be supported by a thickened slab, grade beam, or footing designed to carry load.
 3.22 Provide double 2x6 strongback at mid span, or per truss manufacturer, for ceiling joists with span greater than 10'-0".
 3.23 Provide collar ties at upper 1/3 of vertical distance between ridge board and ceiling joists at 4'-0" o/c maximum or per truss manufacturer.
 3.24 Hip, valley rafters, and ridge boards shall be one "2x" size larger than rafters, or per truss manufacturer.
 3.25 Roof decking shall be 1/2" OSB minimum and shall be used with clips.
 3.26 Where pre-engineered floor and roof trusses are used, truss manufacturer must provide shop drawings which bear the seal of a registered engineer in state in which work is to be performed.
 3.27 All framed wall dimensions are based on 2x4 studs unless otherwise noted.

4. FOUNDATION WALLS:

- 4.1 All full height foundation walls are shown on a detail sheet.
 4.2 All masonry or concrete basement wall construction must be inspected by the County Building Official, Architect, or Engineer for compliance with structural specifications.
 4.3 Where full-height foundation or basement walls run parallel to floor framing, blocking must be provided between joists at 3'-0" o/c for not less than six joist spacings out from the wall.
 4.4 Details of any earth retaining structures not attached to the house structure will be shown on separate details. (These walls may be designed only after grade conditions are known.)

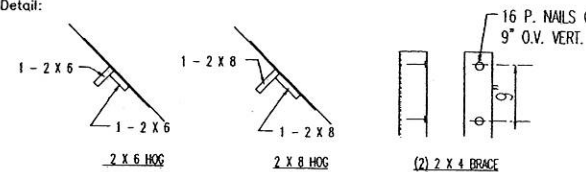
5. ROOF CONSTRUCTION:

- 5.1 All roof trusses must be built in accordance with truss manufacturers direction.
 5.2 Rafters shall be 2x6 SPF @ 16" o/c for standard weight shingles except as noted. They are to be cut into hips, ridges, etc., unless noted as over-built.
 5.3 Collar ties shall be 2x6 @ 48" o/c at all ridges unless noted otherwise and located a minimum 3' below the ridge. Collar ties may be closer to ridge if alternate bracing provided. Vaulted ceilings require special collar tie details or structural ridge beam. See plans as required.
 5.4 A minimum of three collar ties shall be used at all ridges even if two ties must be put on one set of rafters.
 5.5 All hips and ridges are a size larger than the rafters framing into them unless noted otherwise.
 5.6 All hogs on ceiling joists or rafters are 8' long (2)-2x6 hog troughs unless noted otherwise. Rafters may be spliced over hogs.
 5.7 Gable end framing must be braced parallel to ridges with a minimum of 2x6 diagonal braces @ 6' o/c along the gable wall to the interior ceiling joists. Braces are to bear on (2)-2x6 hogs and to gable wall at approximately mid-height of gable wall. Braces shall be at approximately 45° angle. Other bracing may be used if it meets the Engineer's approval.
 5.8 Carry braces to partitions or beams below. Never brace rafter hogs to (2)-2x6 hogs on ceiling joists, unless shown on plans.
 5.9 Ceiling joists when erected parallel to rafters must be sistered to rafters and nailed with 3-16d nails at each rafter. If a kneewall is used and ceiling joists cannot touch rafters, then rafters must be braced to the ceiling joists with 2x4 diagonal rafter ties spaced @ 48" o/c. Reverse collar ties may be used behind kneewalls.

5.10 Roof Plan Legend:

- A. or Indicates location of roof brace at rafter level.
 B. Arrow away from brace point indicates direction of roof brace to partition, beam or other brace point below.
 C. Arrow into brace point indicates a vertical or almost vertical roof brace to partition, beam or other brace point below.
 D. All roof braces are (2)-2x4 "T" nailed with 16d nails @ 9" o/c vertically from top to bottom. All braces longer than 10' must be braced horizontally in two directions at mid-height or be increased to (2)-2x6s.
 E. Maximum spacing of roof braces is to be as follows:
 i. For (2)-2x6 hog.....6'-0" o/c
 ii. For (2)-2x8 hog.....7'-6" o/c

Detail:

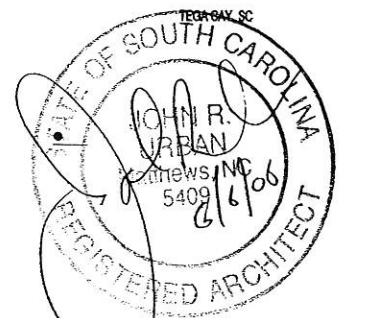


6. THERMAL & MOISTURE PROTECTION

- 6.1 The following specification shall govern with modifications as specified herein: American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE) Handbook of Fundamentals.
 6.2 Install flashing and sheet metal in compliance with "Architectural Sheet Metal Manual" by Smacna.
 6.3 Flashing:
 Approved corrosion-resistant flashing shall be provided in the exterior wall envelope in such a manner as to prevent entry of water into the wall cavity from penetration of water to the building structural framing components. Aluminum flashing may not be used in contact with cementitious material, except as counter flashing. The flashing shall extend to the surface of the exterior wall finish and shall be installed to prevent water from reentering the exterior wall envelope. Approved corrosion-resistant flashings shall be installed at all of the following locations:
 A. At top of all exterior window and door openings in such a manner as to be leakproof, except that self-flashing windows having a continuous lap of not less than 1 1/8" (28mm) over the sheathing material around the perimeter of the opening, including corners, do not require additional flashing.
 B. At the intersection of chimneys or other masonry construction with frame or stucco walls, with projecting lips on both sides under stucco copings.
 C. Continuously above all projecting wood trim.
 D. Where exterior porches, decks or stairs attach to a wall or floor assembly of wood-frame construction.
 E. At wall and roof intersections.
 F. At built-in gutters.
 6.4 Shingles shall be asphalt-fiberglass composition three-tab unless noted otherwise, conforming to U.L. Class "A" fire resistance, U.L. Wind resistance, ASTM D3462 and ASTM D3018 type 1 with a 20 year (min.) limited mfr. warranty. Shingles shall be installed as per manufacturer's instructions.
 6.5 Slopes of 3/4 inches in 12 inches or greater: asphalt shingle roofs shall have an underlayment of not less than three ply of No. 15 felt, applied as required in Section R-802 and Table No. R-803.4.
 6.6 The net free ventilating area shall not be less than 1 to 150 of the area of the space ventilated except that the area may be 1 to 300, provided at least 50 percent of the required ventilating area is provided by ventilators located in the upper portion of the space to be ventilated at least 3 feet above eave or cornice vents with the balance of the required ventilation provided by eave or cornice vents. The net free cross ventilation area may not be less than 1 to 300 of the area of the space ventilated when the vapor barrier having a transmission rate not exceeding 1 perm is installed on the warm side of the ceiling.



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6. THERMAL & MOISTURE PROTECTION (Continued):

- 6.7 The following information describes the conservation package insulation contractors are hereby required to bid and install insulation by this schedule, unless otherwise instructed in writing:

LOCATION	R-VALUE	MATERIAL
CEILING	R-30	BLOWN CELLULOSE INSULATION
CATHEDRAL CEILING	R-30	BLOWN CELLULOSE W/ V.B.
EXTERIOR WALLS		
2X4	R-13	BATT INSULATION OR
2X6	R-19	BLOWN CELLULOSE W/ V.B. TO
DBL 2X4 (N/A)	R-13	INSIDE (2) LAYERS
EXT. BSMT./ FDTN. EXPOSED WALL	R-13	FOIL FACED BATT INSULATION
FLOORS @ OVERHANG (N/A)	R-19	BATT INSULATION W/ V.B. TO INSIDE
WALLS ADJ. TO UNFINISHED BSMT.	R-11	BATT INSULATION W/ NO V.B.

- 6.8 Insulation:
Insulation materials, including facings, such as vapor barriers or breather papers installed within floor-ceiling assemblies, roof-ceiling assemblies, wall assemblies, crawl spaces and attics shall have a flame-spread index not to exceed 25 with an accompanying smoke-developed index not to exceed 450 when tested in accordance with ASTM E 84.
- 6.9 Exceptions:
When such materials are installed in concealed spaces, the flame-spread and smoke-developed limitation do not apply to the facings, provided that the facing is installed in substantial contact with the unexposed surface of the ceiling, floor or wall finish.
- 6.10 Moisture Control:
In all framed walls, floors and roof/ceilings comprising elements of the building thermal envelope, a vapor retarder shall be installed on the warm-in-winter side of the insulation.
Exceptions:
1. In construction where moisture of freezing will not damage the materials.
2. Where the framed cavity or space is ventilated to allow moisture to escape.
- 6.11 Provide and install batt insulation at window shim spaces.
- 6.12 Fit insulation tight within spaces and tight to and behind mechanical and electrical services within the plane of insulation. Leave no gaps or spaces being sure not to compress glass insulation.
- 6.13 Provide and install gutters and down spouts as per smocna architectural sheet manual.
- 6.14 Gutter - continuous 3 1/2" x 6" wide aluminum with bracket hangers @ 18" o/c. Gutter style to be "Ogee".
Down spout - continuous 2 3/4" x 4 1/4" (aluminum). Connect down spouts to preformed splash blocks to run to grade.

7. FINISHES

- 7.1 Provide and install gypsum wall board in accordance with "American Standard Specifications" for the application and finishing of gypsum wallboard, as approved by the American Standards Association, latest edition; applicable parts thereof are hereby made part of the specification except where more stringent requirements are called for in this specification, in local codes, or by the manufacturer of the gypsum wallboard, whose requirements shall be followed.
- 7.2 Application of paint or other coating shall be in strict accordance with manufacturer's directions. Ready-mixed paint shall not be thinned, except as permitted by the application instructions.
- 7.3 Exterior trim to receive prime coat prior to being wrapped with aluminum.
- 7.4 Provide resilient flooring and wall base per owner's schedule and specifications. Install in accordance with manufacturer's printed instructions.
- 7.5 Provide ceramic tile, marble tile and accessories complying with Tile Council of America Specification A137.1; colors and patterns to be selected by the owner from standard colors and patterns of the approved manufacturer. Manufacturer to be American Olean for ceramic tile or approved equal.
- 7.6 Install ceramic tile and marble tile in compliance with pertinent recommendations contained in the Tile Council of America "Handbook or Ceramic Tile Installation" and manufacturer's printed instructions.
- 7.7 Provide and install moisture-resistant gypsum wall board at shower/tub enclosures at walls per applicable TCA-B312-03, B413, B419. Provide "Firecode" gypsum when called for on drawings.

8. ELECTRICAL

- 8.1 Contractor shall provide labor and installation for materials, and equipment necessary to install wiring, related fixtures, electric heat elements and control. All work shall comply with the latest edition of national electrical code, state and local codes and ordinances. Subcontractor shall coordinate work with all other trades. Terminal hookup is required of all fixtures and appliances, motors, fans, and controls.
- 8.2 Electrical system layouts are generally diagrammatic, location of outlets and equipment is approximate. Exact routing of wiring and locations of outlets shall be governed by structural conditions and obstructions. Wiring for equipment requiring maintenance and inspection shall be readily accessible.
- 8.3 All electrical equipment, breakers, and time clock controls shall be properly labeled.
- 8.4 The serving utility will provide and install all primary and secondary service raceways and conductors, including transformer pads and connections to the line side by the service utility, shall be provided by the electrical contractor from each building main disconnect to the exterior building line for continuation by serving utility.
- 8.5 Provide one electric meter.
- 8.6 Materials and equipment shall be new and listed by underwriter's laboratories inc. and bear their label wherever standards have been established and their label service is regularly furnished.
- 8.7 Verify and locate all receptacles prior to installation of drywall.
- 8.8 All switched outlets shall be one-half hot (unless noted otherwise).
- 8.9 Provide G.F.I. circuits in the kitchen, bathrooms, garage, exterior locations, and at whirlpool where applicable. Provide trip reset receptacles where noted. Kitchen G.F.I. receptacles shall not be wired in series with other G.F.I. locations.
- 8.10 Install outlets as per local/ state codes. In general, outlets shall be installed so that no point along the floor line in any wall space is more than 6', measured horizontally, from an outlet in that space. In addition, any isolated wall that is 2'-0" in length or longer with the exception of hallways, bathrooms, and laundry rooms will receive an outlet.

8. ELECTRICAL (Continued):

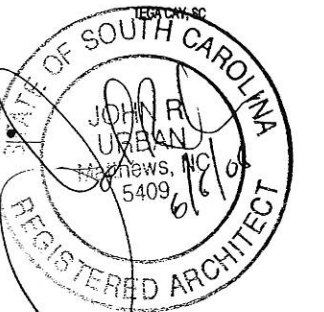
- 8.11 All equipment installed outdoors and exposed to weather shall be weather-proof.
- 8.12 Install receptacles in kitchen and bathrooms above work top unless otherwise noted on plans.
- 8.13 Provide light fixtures per owner's schedule.
- 8.14 Smoke detectors and carbon monoxide detectors shall be located in each story of the dwelling unit, including basements and also in the immediate vicinity of the bedrooms.



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G1.3



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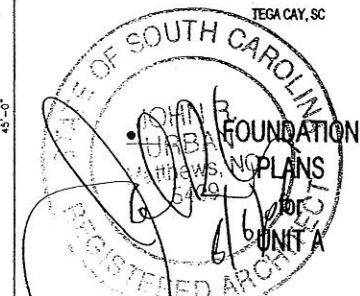
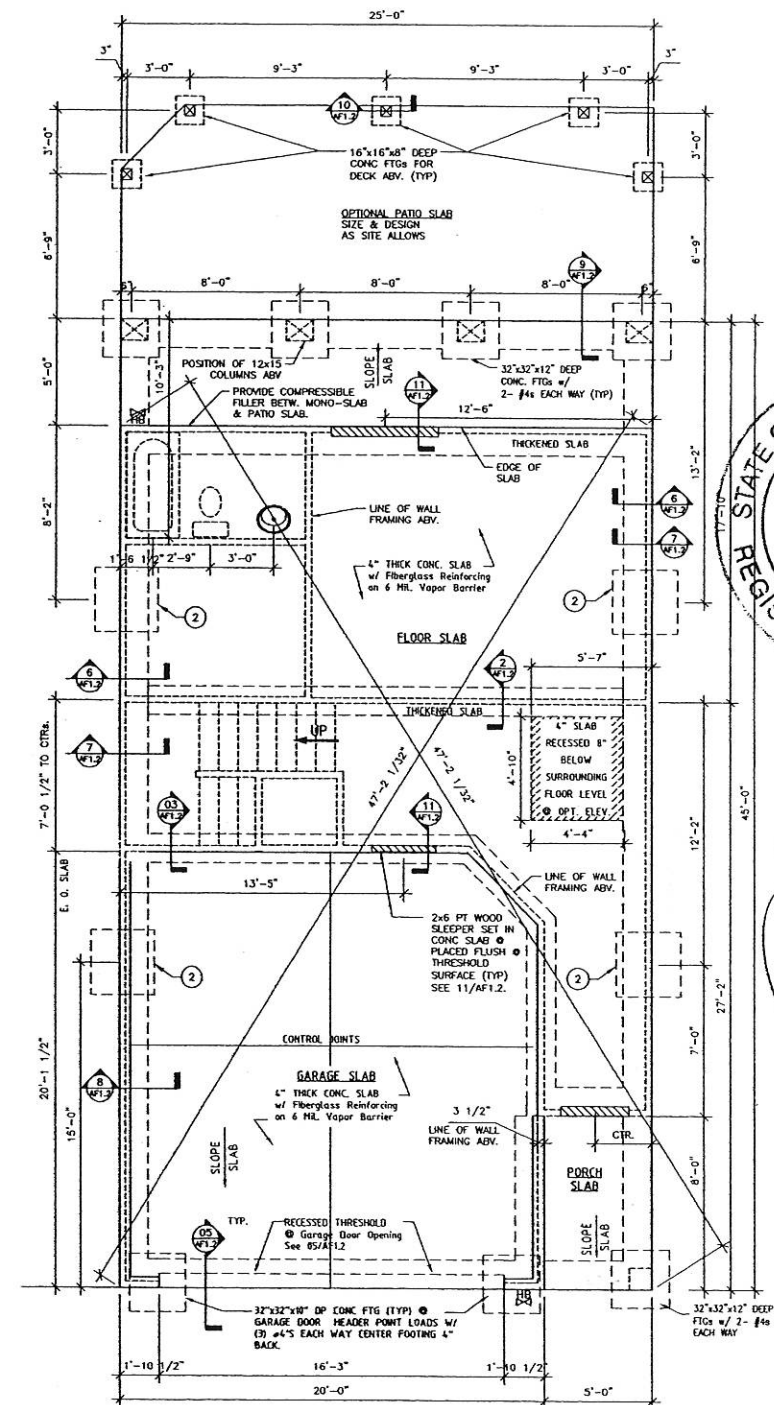
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STRUCTURAL ELEMENTS	
#	DESCRIPTION:
①	3'-0" x 3'-0" x 1'-0" DEEP FOOTING w/ 4- #4s BOTTOM EACH WAY, 3000 psi NORMAL WEIGHT CONCRETE.
②	2'-6" x 2'-6" x 1'-0" DEEP FOOTING w/ 3- #4s @ BOTTOM, EACH WAY, 3000 psi, NORMAL WT. CONC.

FOUNDATION NOTES

- Footings designed for 2,000 psf min. soil bearing capacity. All concrete to be 3,000 psi min.
- Plumbing Contractor shall field verify all plumbing locations prior to work.
- Sill plate at exterior walls shall be anchored to the foundation with anchor bolts spaced a maximum of 6 feet on center. Anchor bolts shall also be located within 12 inches from the ends of each plate section. Bolts shall be at least 1/2 inch in diameter and shall extend a minimum of 7 inches into masonry or concrete. Interior bearing wall sill plates on masonry slab foundations shall be positively anchored with approved fasteners.
- Bore-Care termite treatment to be sprayed to interior & exterior framing materials 2'-0" A.F.F. on 1st Floor only.
- Foundation is designed for trusses.
- Provide Support for porch and steps to grade as required.
- 5" Footing extension required for brick or stone option.



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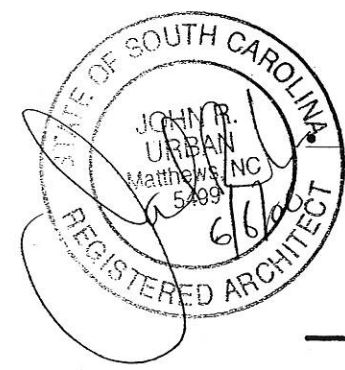
01 -A- FOUNDATION PLAN

AF1



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LAKE SHORE TOWN HOMES
 TEGA CAY, SC

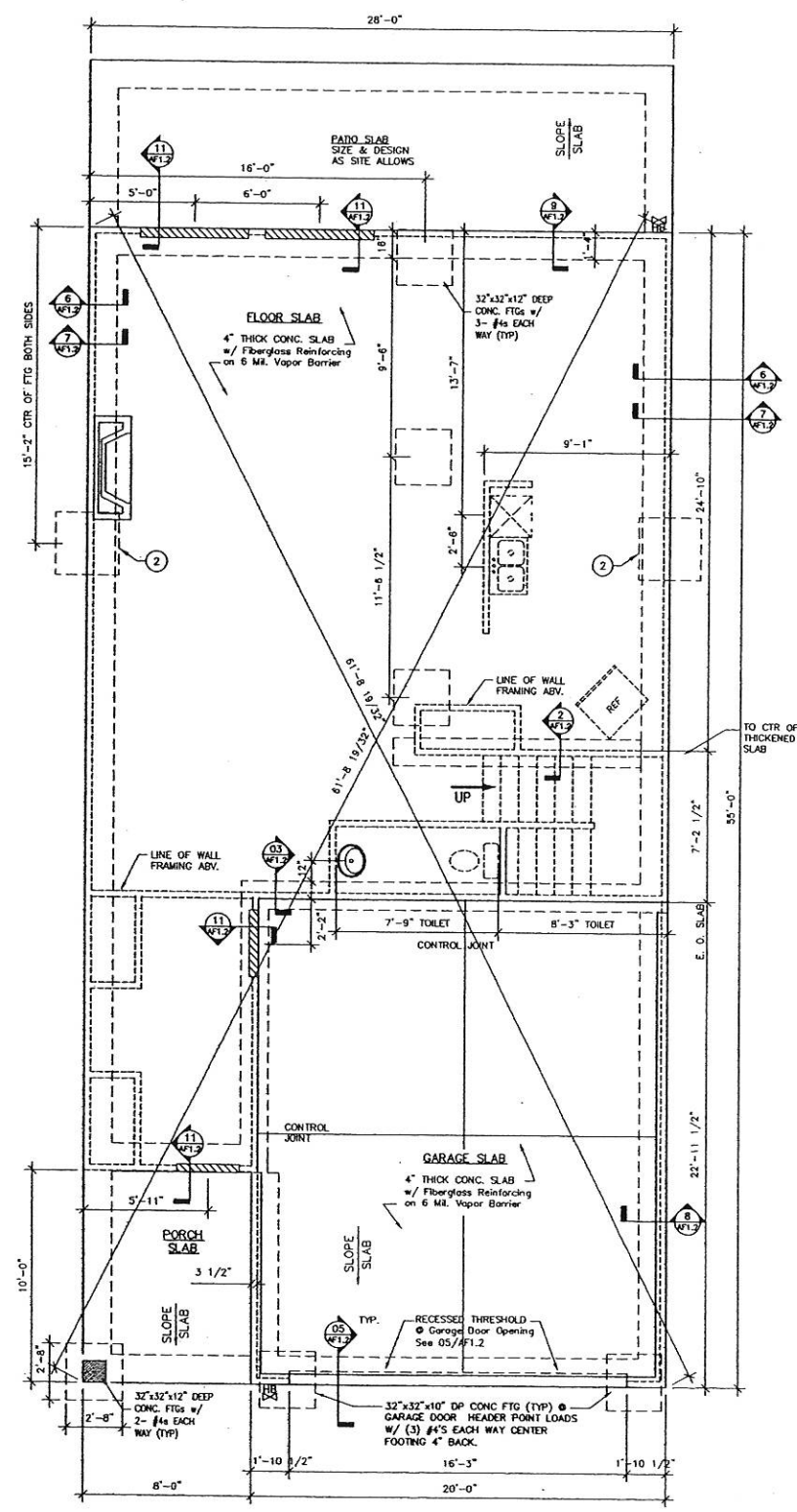
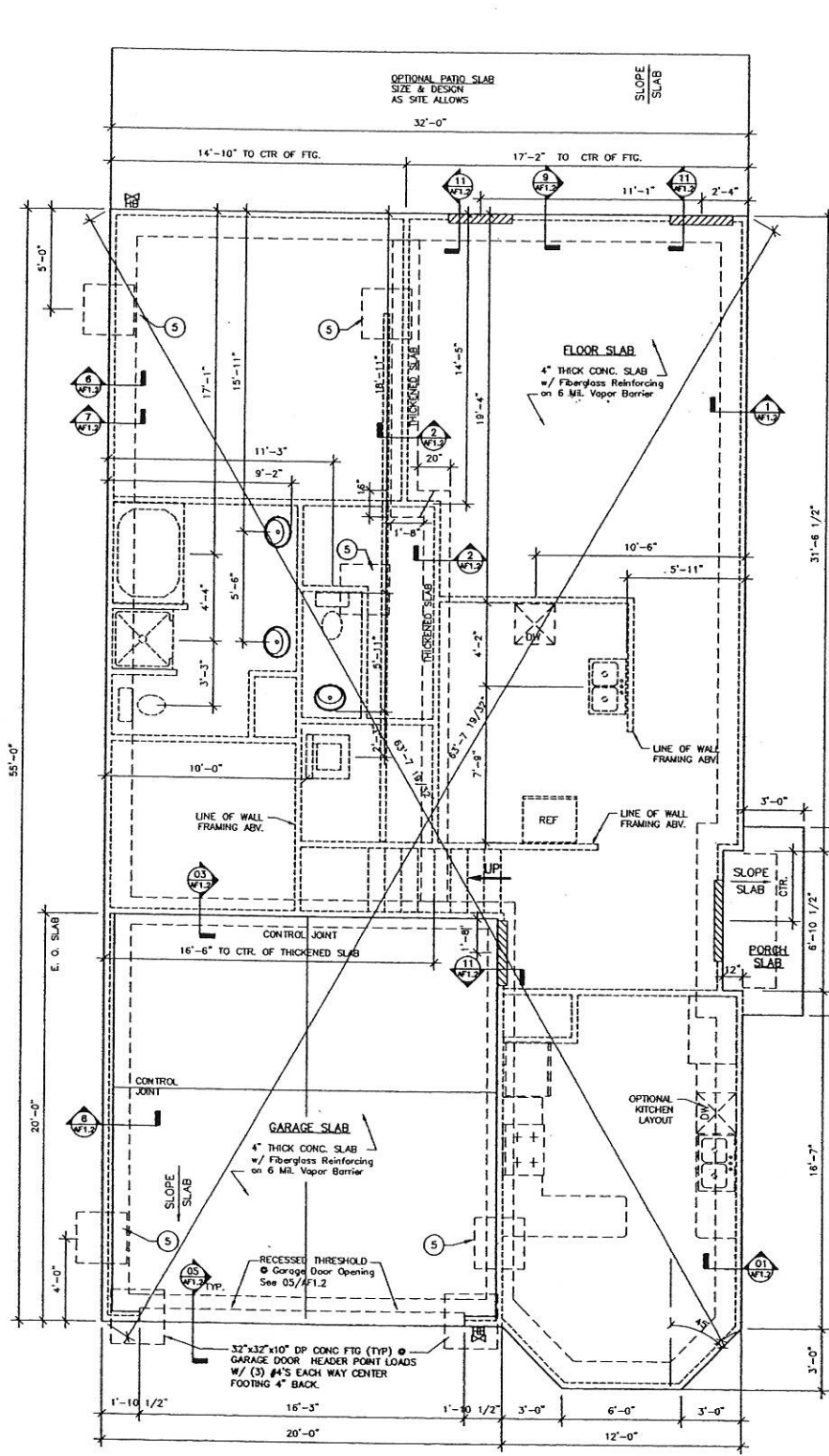
FOUNDATION PLANS
 for
 UNITS B & C

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FOUNDATION NOTES

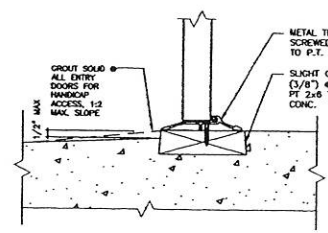
- Footings designed for 2,000 psf min. soil bearing capacity. All concrete to be 3,000 psi w.s.c.
- Plumbing Contractor shall field verify all plumbing locations prior to work.
- Slab plate at exterior walls shall be anchored to the foundation with anchor bolts spaced a maximum of 6 feet on center. Anchor bolts shall also be located within 12 inches from the ends of each plate section. Bolts shall be at least 1/2 inch in diameter and shall extend a minimum of 7 inches into masonry or concrete. Interior bearing wall sole plates on monolithic slab foundations shall be positively anchored with approved fasteners.
- Bora-Care termite treatment to be applied to interior & exterior framing materials 2'-0" A.F.F. on 1st floor only.
- Foundation is designed for trusses.
- Provide Support for porch and steps to grade as required.
- 5" Footing extension required for brick or stone option.

STRUCTURAL ELEMENTS	
#	DESCRIPTION:
1	3'-0" x 3'-0" x 1'-0" DEEP FOOTING w/ 4-#4 BOTTOM EACH WAY, 3000 PSI NORMAL WEIGHT CONCRETE.
2	2'-6" x 2'-6" x 1'-0" DEEP FOOTING w/ 3-#4 @ BOTTOM, EACH WAY, 3000 PSI, NORMAL WT CONC.

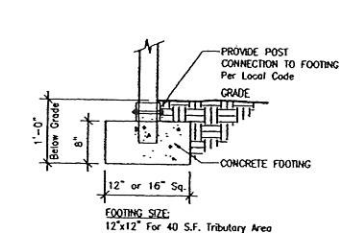


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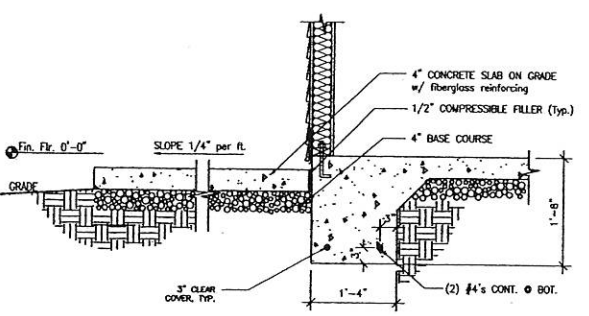
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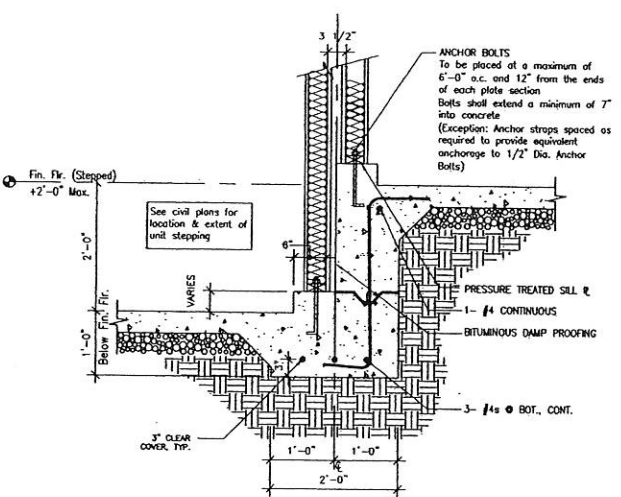
11 EXTERIOR DOOR SILL
NTS



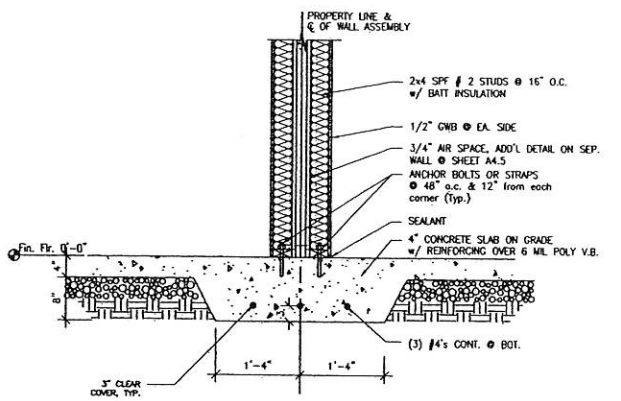
10 DECK FOOTING SECTION
3/4" = 1'-0"



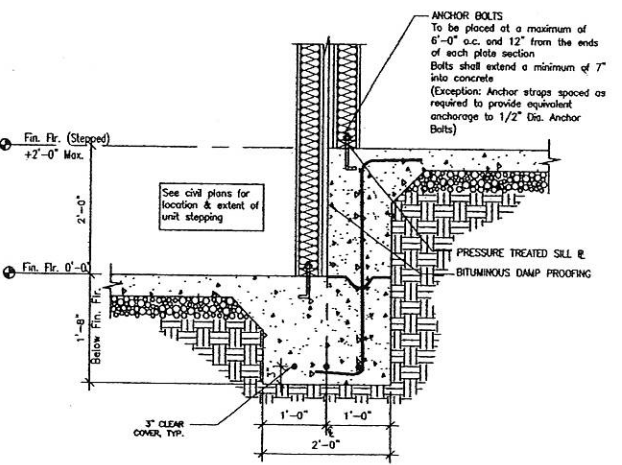
09 WALL SECTION @ Rear w/ Patio
3/4" = 1'-0"



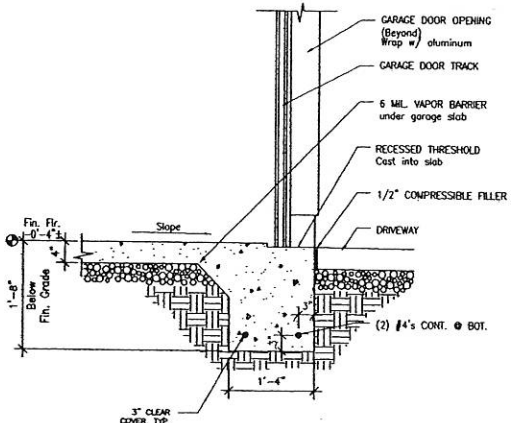
08 GARAGES @ Stepped Separation Walls
3/4" = 1'-0"



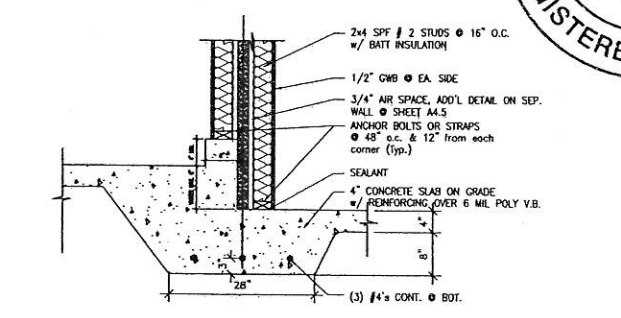
07 THRESHOLD SLAB @ Unit Separation Walls
3/4" = 1'-0"



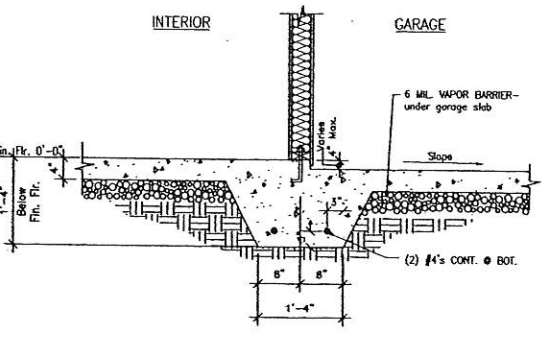
06 FOUNDATION @ Stepped Separation Walls
3/4" = 1'-0"



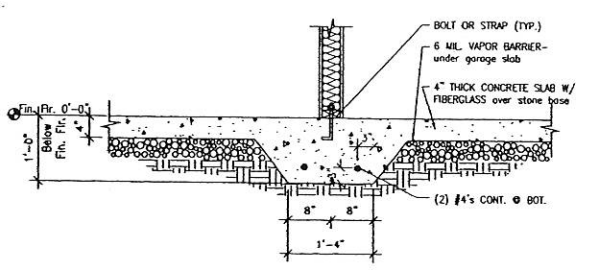
05 WALL SECTION @ Garage Opening
3/4" = 1'-0"



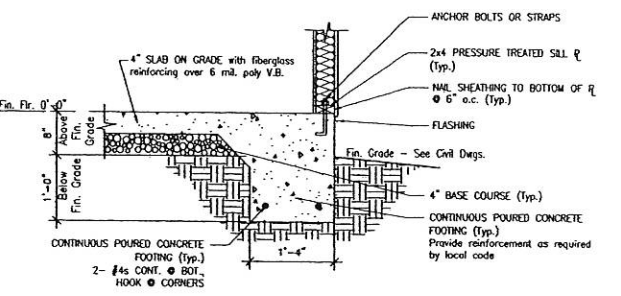
04 SEPARATION WALL FOOTING @ Garage
3/4" = 1'-0"



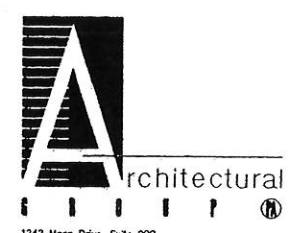
03 WALL SECTION @ Garage Perimeter
3/4" = 1'-0"



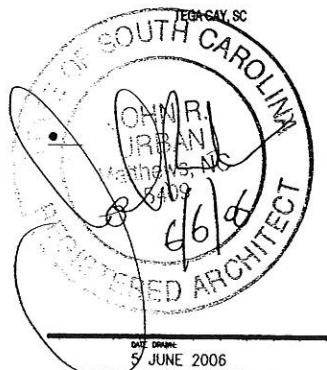
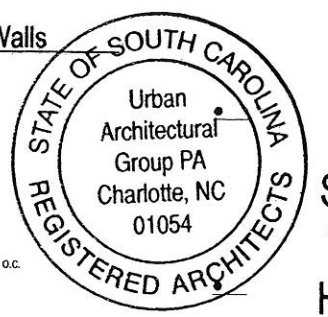
02 THRESHOLD SLAB @ Interior Bearing Walls
3/4" = 1'-0"



01 WALL SECTION @ Exterior
3/4" = 1'-0"



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AF1.2

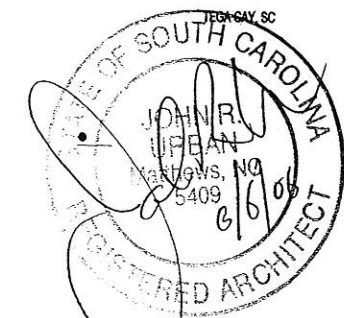


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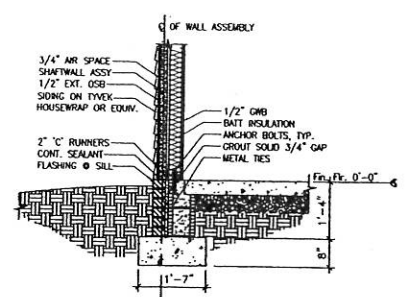
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LAKE SHORE TOWN HOMES

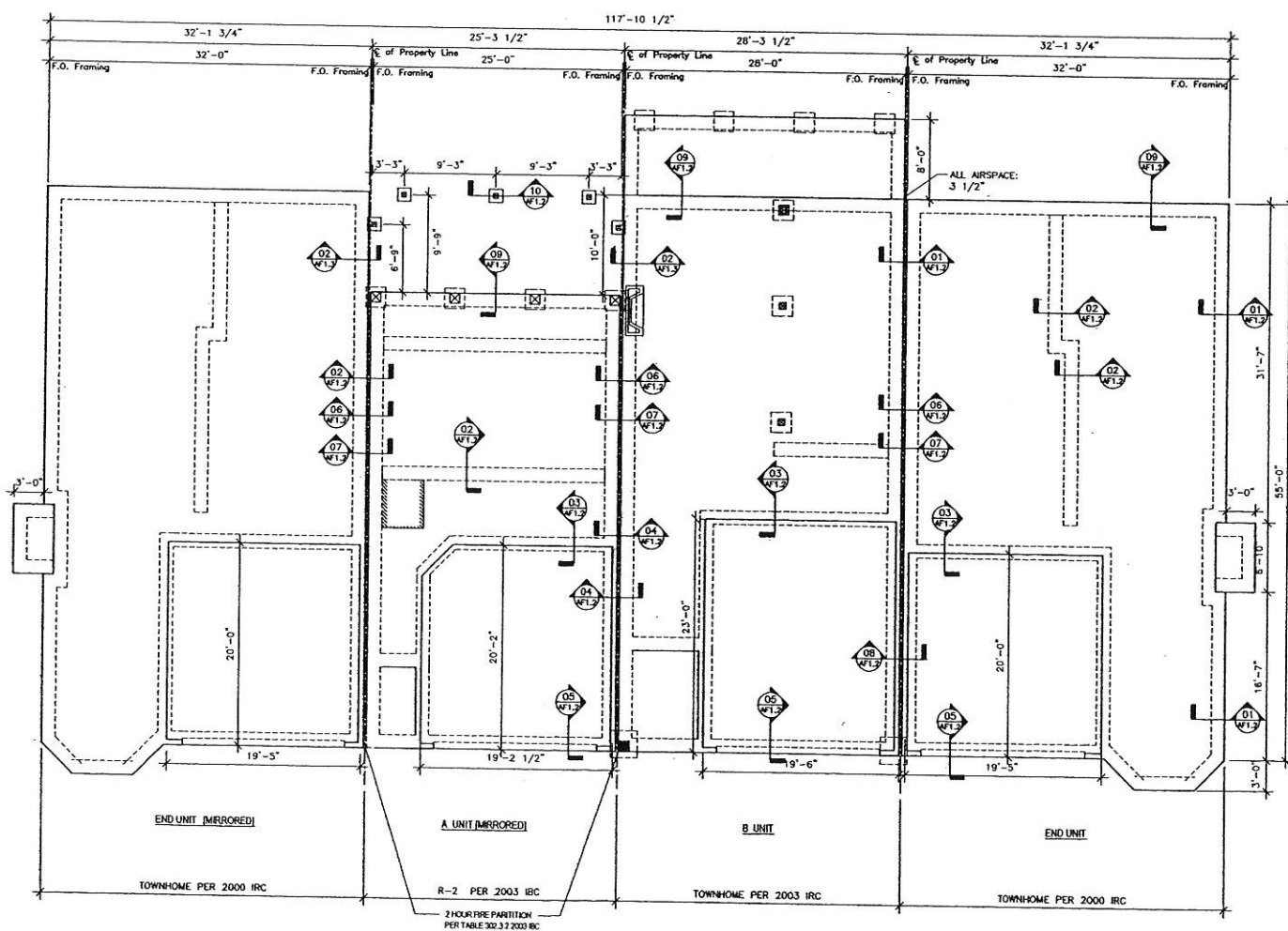


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02 SEPARATION WALL @ EXTERIOR
 1/2" x 1/2" (1/2" x 1/2" @ 11x1)

- NOTE:
1. WALL SECTIONS ARE SIMILAR • ALL PLANS SEE SHEET A4.1 FOR WALL SECTIONS.
 2. FOUNDATION DETAILS IDENTIFIED ON SHEET AF.1, DETAILS SHOWN ON SHEET AF.2
 3. APPLIANCE LOCATIONS DIMENSIONED • AF.1
 4. C.C. TO COORDINATE BUILDING PAD ELEVATIONS & DIMENSIONS WITH CIVIL DRAWINGS.
 5. C.C. TO COORDINATE LOCATIONS WITH PLUMBER ON ALL FIXTURES & FIELD VERIFY LOCATION.



01 4-UNIT COMBINED FOUNDATIONS PLAN

(SEE CIVIL DRAWINGS FOR SPECIFIC BLDG. ELEV'S (F.F.E.))

AF1.3

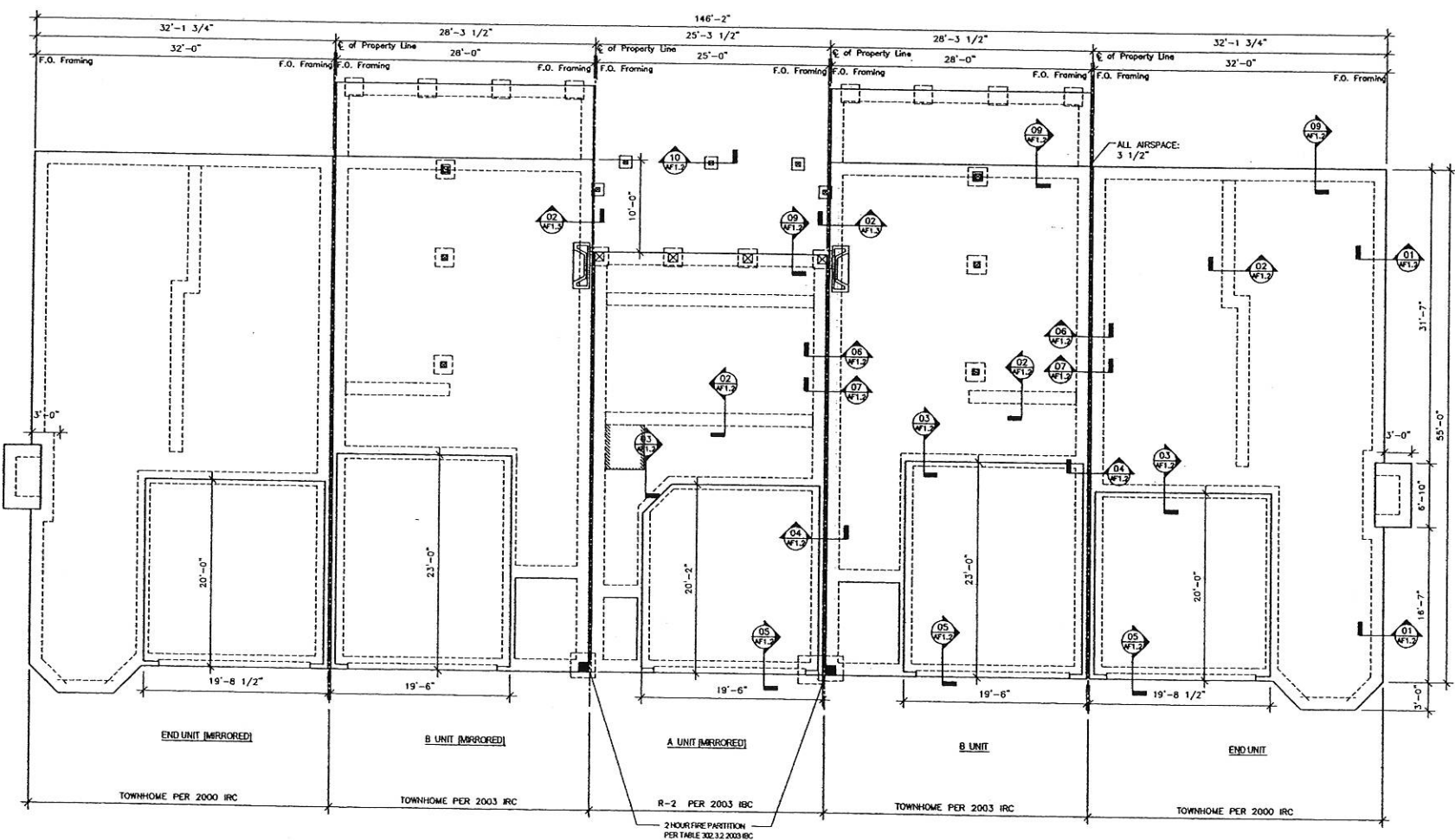


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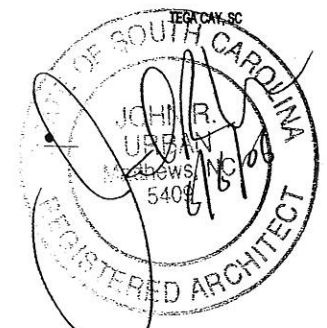
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NOTE:
 1. WALL SECTIONS ARE SIMILAR TO ALL PLANS SEE SHEET A4.1 FOR WALL SECTIONS.
 2. FOUNDATION DETAILS IDENTIFIED ON SHEET AF.1, DETAILS SHOWN ON SHEET AF.2.
 3. APPLIANCE LOCATIONS DIMENSIONED TO AF.1
 4. G.C. TO COORDINATE BUILDING PAD ELEVATIONS & DIMENSIONS WITH CIVIL DRAWINGS.
 5. G.C. TO COORDINATE LOCATIONS WITH PLUMBER ON ALL FIXTURES & FIELD VERIFY LOCATION.



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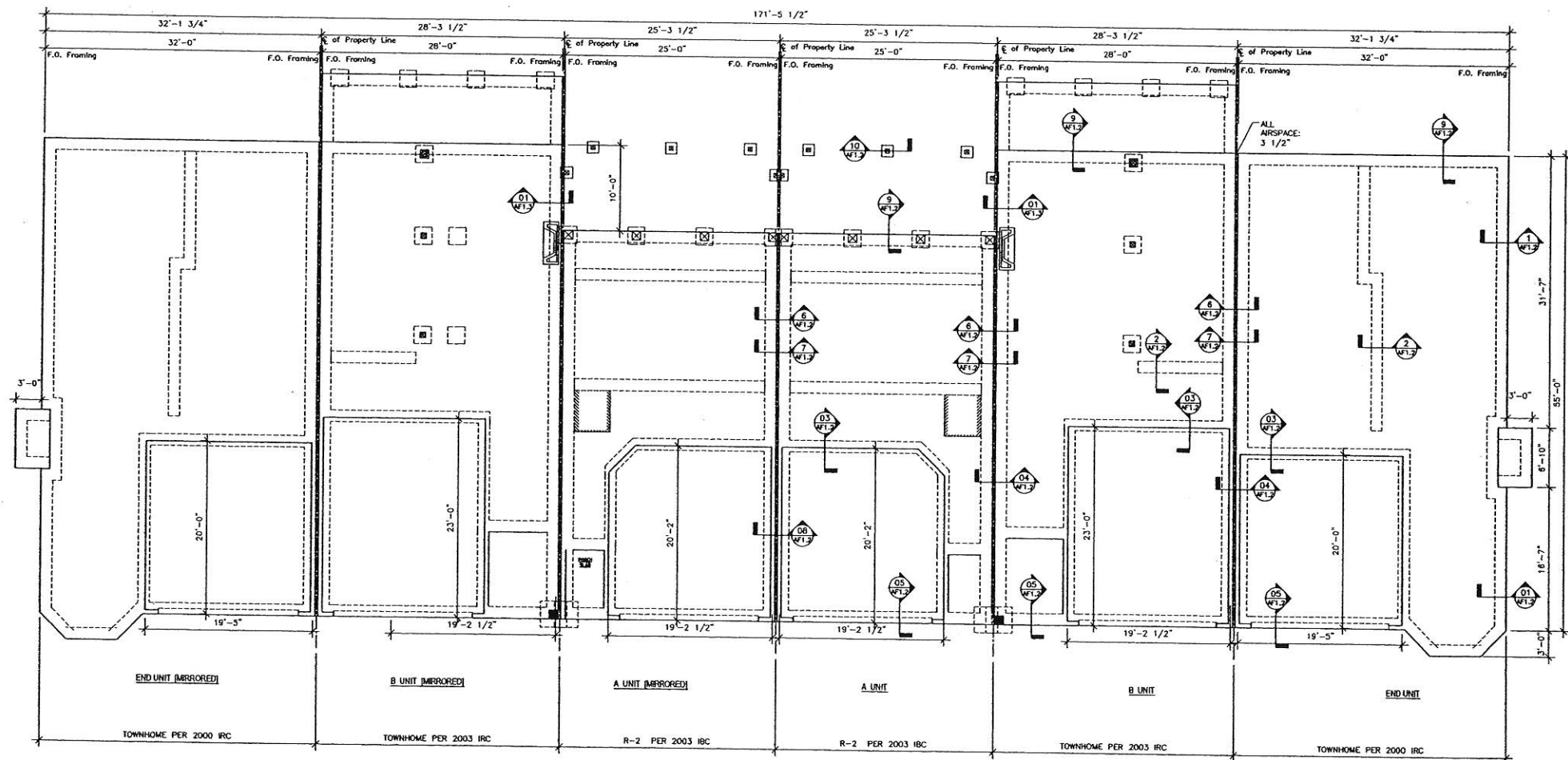
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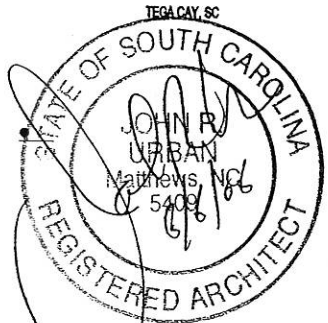


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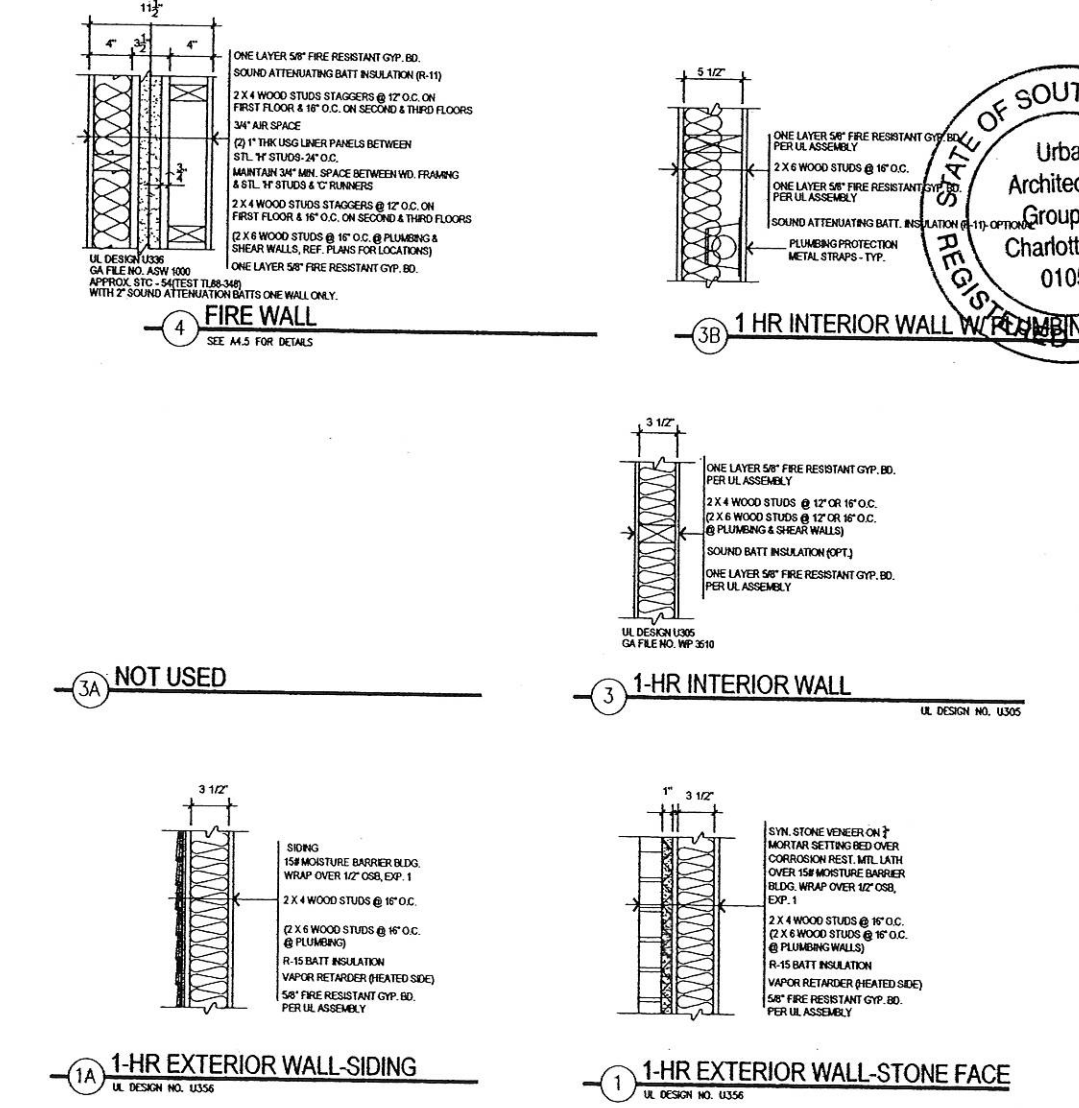
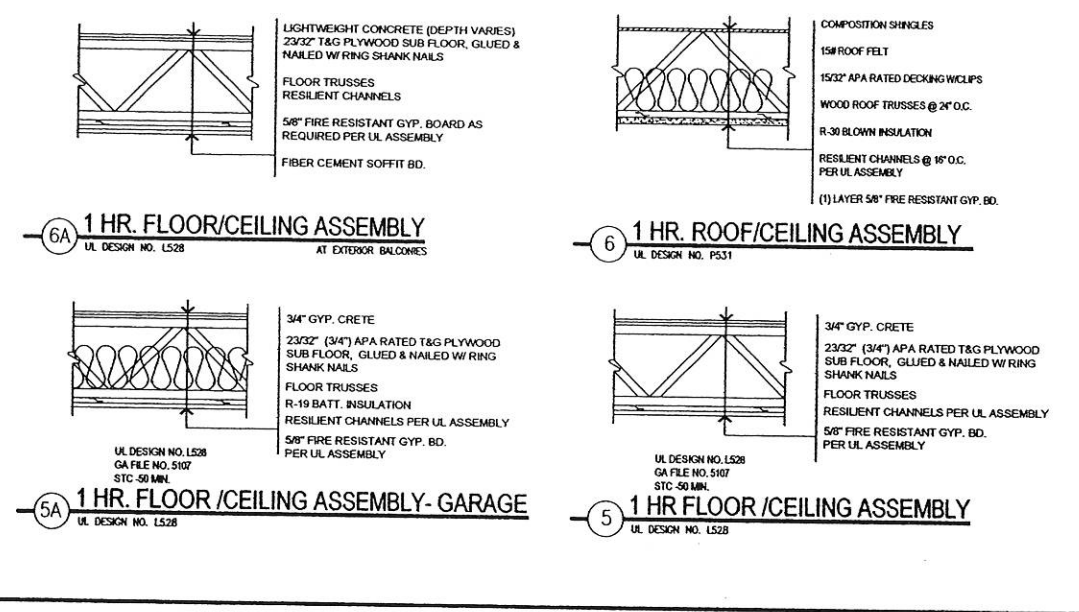
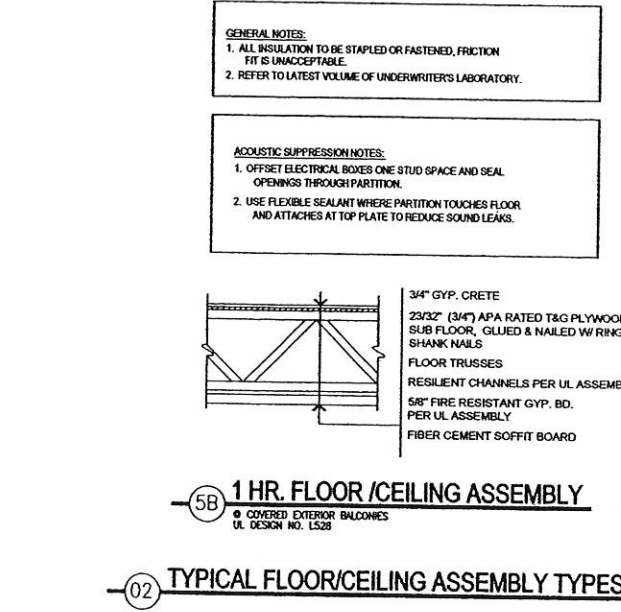
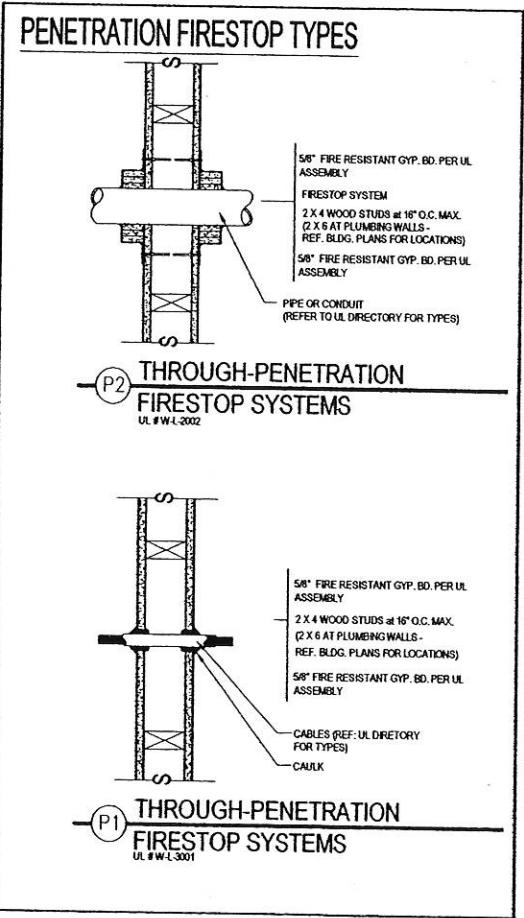
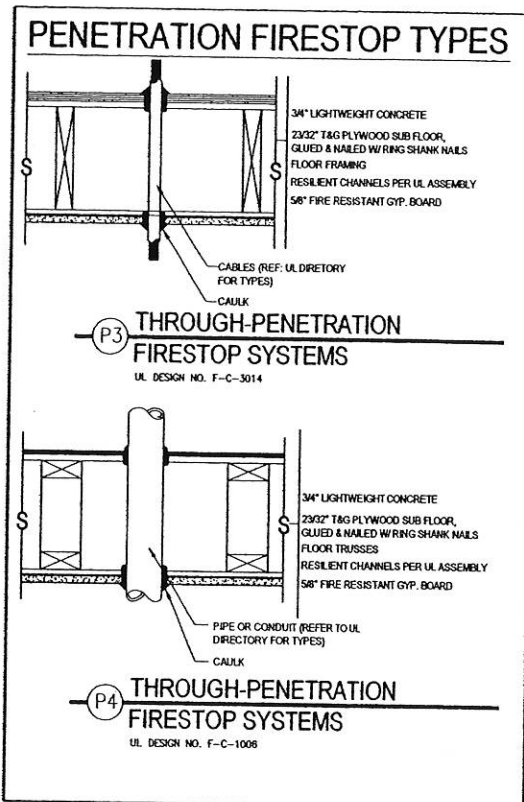
1. WALL SECTIONS ARE SIMILAR • ALL PLANS SEE SHEET A1.4 FOR WALL SECTIONS.
2. FOUNDATION DETAILS IDENTIFIED ON SHEET AF.1, DETAILS SHOWN ON SHEET AF.2
3. APPLIANCE LOCATIONS DIMENSIONED • AF.1
4. G.C. TO COORDINATE BUILDING PAD ELEVATIONS & DIMENSIONS WITH CIVIL DRAWINGS.
5. G.C. TO COORDINATE LOCATIONS WITH PLUMBER ON ALL FIXTURES & FIELD VERIFY LOCATION.
6. NOTE: DRAWING FOR REFERENCE ONLY. COMBINATIONS SUBJECT TO CHANGE. FOR UNIT COMBINATIONS, SEE CIVIL DWGS. FOR DETAILS SEE INDIVIDUAL UNIT PLANS & ELEVATIONS.



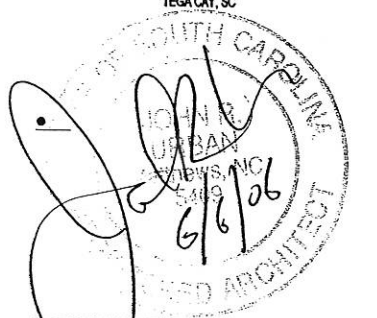
LAKE SHORE TOWN HOMES



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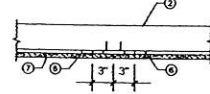
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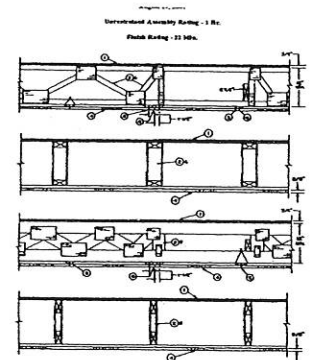
A0.1

Design No. U331
Unrestricted Assembly Rating - 1 Hr.
Finish Rating - 20 Min.



- ROOFING SYSTEM** - Any UL Class A, B, or C Roofing System (FRU) or Prepared Roof Covering (TRC) acceptable for use over non 15/32 in. thick wood structural panels, min. grade "C-0" or "Sheathing". Non 15/32 in. thick wood structural panels secured to trusses with construction adhesive and No. 16 rigid sheat nails. Nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 16 nails.
- TRUSSES** - Pitch or Parallel chord trusses, spaced max of 24 in. OC, fabricated from 2 by 4 lumber, with lumber oriented vertically or horizontally. Truss members secured together min. 0.0356 in. thick gyp steel plates. Plates have 5/16 in. long teeth projecting perpendicular to the plane of the plate. The teeth are in pairs facing each other (made by the same punch), forming a split tooth type joint. Each tooth has a chisel point on its outside edge. These points are diagonally opposite each other for each pair. The top half of each tooth has a bevel for stiffness. The pairs are repeated on approximately 7/8 in. centers with four rows of teeth per each plate width. When the truss intersects with the interior face of the exterior wall, the min. truss depth shall be 5-1/4 in. with a min. roof slope of 3/12 and a min. area in the plane of the truss of 21 sq. ft. Where the truss intersects with the interior face of the exterior wall, the min. truss depth may be reduced to 3 in. if the batts and blankets (Item 3) are used as shown in the above illustration (Mineral Insulation Placement) and are firmly packed against the intersection of the bottom chord and the plywood sheathing.
- BATT AND BLANKETS (Optional)** - Glass fiber insulation, secured to the wood structural panels with staples spaced 12 in. OC or to the trusses with 0.090 in. diam gyp steel wires spaced 12 in. OC. Any glass fiber insulation bearing the UL Classification Marking or Surface Burning Characteristics and/or Fire Resistance, having a min. density of 0.3 pcf. As an option, the insulation may be fitted in the concealed space, draped over the resilient channel / gypsum wallboard ceiling membrane when resilient channels and gypsum wallboard attachment is modified as specified in Items 6 and 7. The finished rating has only been determined when the insulation is secured to the ceiling.
- LOOSE FILL MATERIAL** - As an alternate to Item 3 - Any thickness of loose fill material bearing the UL Classification Marking for Surface Burning Characteristics, having a min. density of 0.3 pcf, fitted in the concealed space, draped over the resilient channel / gypsum wallboard ceiling membrane when resilient channels and gypsum wallboard attachment is modified as specified in Items 6 and 7. The finished rating has only been determined when the insulation is secured to the ceiling.
- ATLAS AIR CONDITIONING CO. L.P.** - Types 0856, 0856D, 0857, 0857D, 0857TP, 0857DP.
MANUFACTURED AIR PRODUCTS - Models CR3-7, -8, -9, -10, -11, followed by suffix AM, N AM, or SM.
NEILON INDUSTRIES INC. - Types 0755, 0755A, 0756, 0756D, 0757, 0757D, 0757TP, 0757DP, 0758, 0758D, 0760, 0761, 0762, CR35, CR35D, CR36, CR36D, CR36TP, CR36DP.
ROYAL METAL PRODUCTS INC. - Models 241FRD, 243FRD, 505RD, 507RD, 509.
SHEREX MFG INC. - Models FR3B, TIR3B, R3B1 Type 1, S3B1, R3B2 Type 5.
- FURRING CHANNELS** - Resilient channels, nom 1/2 in. deep by 2-3/8 in. wide at the base and 1-3/8 in. wide at the face, formed from 0.020 in. thick gyp steel, spaced 16 in. OC, installed perpendicular to trusses. When bolt and blanket material, Item 3, is draped over the resilient in. OC. Channels secured to each truss with 1-1/4 in. long type 5 steel screws. Channels overlapped 4 in. at joints. Channels oriented opposite of wallboard butt joints (spaced 6 in. OC) as shown in the above illustration.
- WALBOARD, GYPSUM** - Nom 5/8 in. thick, 48 in. wide, installed with long dimension perpendicular to resilient channels with 1 in. long type 5 screws spaced 12 in. OC and located a min of 1/2 in. from side joints and 3 in. from the end joints. At end joints, two resilient channels are used, extending a min of 6 in. beyond both ends of the wallboard. When bolt and blanket insulation, Item 3, is draped over the resilient channel / gypsum wallboard ceiling membrane, screws shall be installed at 8 in. OC.
- CANADIAN GYPSUM COMPANY** - Types C, P-32, PFC-AR.
UNITED STATES GYPSUM CO. - Types C, P-32, PFC-AR.
USG MEXICO S A DE C V, MEX. - Types C, P-32, PFC-AR.
- FRAMING SYSTEM (Not Shown)** - Vary, dry, or primed joint compound, applied in two coats to joints and screw-holes, paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum wallboard.
- STEEL FRAMING MEMBERS** -
a. **MAIN RUNNERS** installed perpendicular to trusses - Nom 12 ft. long, 15/16 in. or 1-1/2 in. wide face, spaced 4 ft. OC. Main runners hung a min of 2 in. from bottom chord of trusses with 12 SWG gyp steel wire. Wires located a max of 48 in. OC.
b. **CROSS TEES OR CHANNELS** - Nom 4 ft. long, 15/16 in. or 1-1/2 in. wide face or cross channels, nom 4 ft. long, 1-1/2 in. wide face, installed perpendicular to the main runners, spaced 16 in. OC. Additional cross tees or channels used at 8 ft. from each side of butted wallboard end joints. The cross tee or channels may be riveted or screw-attached to the wall angle or channel to facilitate the ceiling installation.
c. **WALL ANGLES OR CHANNELS** Used to support steel framing member ends and for screw-attachment of the gypsum wallboard - Flashed or gyp steel angles with 1 in. legs or channels with 1 in. legs and 1-9/16 in. deep, attached to walls at perimeter of ceiling with fasteners 16 in. OC.
DCI INC. - Type DCI or RX.
USG INTERIORS INC. - Type DCI or RX.
- GYPSUM BOARD** For use with STEEL FRAMING MEMBERS (Item 9) when BATT AND BLANKETS (Item 3) are not used - A layer of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to the main runners. Wallboard attached to each cross tee or channel with fine wallboard screws, with one screw located at the midpoint of the cross tee or channel, one screw located 12 in. from end on each side of the cross tee or channel midpoint, and one screw located 1-1/2 in. from each wallboard side joint. Except of wallboard and 1/2 in. from the joint. Wallboard fastened to main runners with 1/2 in. from side joints, midway between intersections wallboard screws 1/2 in. from side joints, midway between intersections with cross tees or channels (16 in. OC). End joints of adjacent wallboard sheets attached to leg of wall angle with wallboard screws spaced 12 in. OC. Joints treated as described in Item 7 - For use with STEEL FRAMING MEMBERS (Item 9) when BATT AND BLANKETS (Item 3) are not used - Ratings limited to 1 Hour - 5/8 in. thick, 4 ft. wide, installed with long dimension perpendicular to cross tees with side joints centered along main runners and joints centered along cross tees. Fastened to cross tees with 1 in. long steel wallboard screws spaced 8 in. OC in the field and 8 in. OC along end joints. Fastened to main runners with 1 in. long wallboard screws spaced midway between cross tees. Screws along side and end joints applied at 8 in. from 1/2 in. from board edge. End joints of the sheets shall be staggered with spacing between joints on adjacent boards not less than 4 ft. OC.
CANADIAN GYPSUM COMPANY - Types C, P-32, PFC-AR.
UNITED STATES GYPSUM CO. - Types C, P-32, PFC-AR.
USG MEXICO S A DE C V, MEX. - Types C, P-32, PFC-AR.

*Bearing the UL Classification Marking

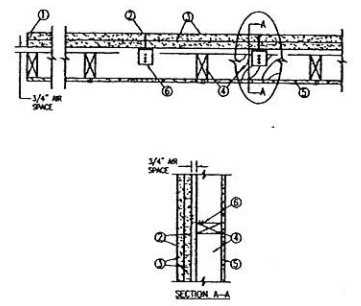


1. Fire-Rated Wall (Max. Height - 44 ft.)

- FLASHING SYSTEM** - The Flashing may consist of any one of the following systems:
System No. 1
Flash Flashing - Nom 15/32 in. thick 7 ft. 0 in. wood structural panel, min. grade "Subsheathing" or "Sheathing". Face grade of plywood or sheathing shall be perpendicular to trusses with joints staggered 4 ft. Inters to trusses with construction adhesive and No. 16 rigid sheat nails. Adhesive applied to 1/4 in. deep bead on any chord of trusses and 1/4 in. deep bead on gyp steel plate applied 12 in. OC along each truss. As an option, lightweight building concrete with 4% or 5% aggregate or gypsum concrete may be used on flashing. Min. thickness of building plywood shall be 1/2 in. Min. thickness of a gyp plate or paper veneer may be placed on flashing to protect the concrete.
See Plastic Approval (PFA) and Fire-Rated Approval (FRA) listings for names of classified companies.
System No. 2
Flash Flashing - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
System No. 3
Flash Flashing - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
System No. 4
Flash Flashing - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.

UL LISTING - L528

Design No. U336
Exposed to fire from separation Wall side only
Non-Bearing Wall Rating - 2 HR.
Finish Rating - 120 Min.



- SEPARATION WALL (Max. Height - 44 ft.)**
1. Floor, Intermediate or Top Wall - 2 in. wide channel shaped with 1 in. long legs formed from No. 25 MSG gyp steel, secured with suitable fasteners spaced 24 in. OC.
2. Metal Studs - Steel members formed from No. 25 MSG gyp steel having 1 1/2" shaped flanged members 24 in. OC, overall depth 2 in. and flange width 1-3/8 in.
3. Wallboard, Gypsum - Two layers of 1 in. thick gypsum wallboard four panels, supplied in nom 24 in. wide. Vertical edges of panels fitted into 1/2" shaped studs.
UNITED STATES GYPSUM CO. - Type 5UX
4. Protection Wall (Bearing or Non-Bearing Wall)
4. Wood Studs - Nom 2 by 4 in., max spacing 24 in. OC. Studs cross braced at mid-height where necessary for clip attachment. Min 3/4 in. separation between wood framing and fire separation wall.
5. Wallboard, Gypsum - Classified or Unclassified - Min 1/2 in. thick, 4 ft. wide, applied either horizontally or vertically. Wallboard attached to studs with 1-1/4 in. long steel drywall nails spaced 8 in. OC. Vertical joints located over studs. (Optional) Joints covered with paper tape and joint compound. Not heads covered with joint compound.
6. Attachment Clips - Aluminum angle, 0.063 in. thick, 2 in. wide with 2 in. and 2-1/4 in. legs. Clips secured with type 5 screws 3/8 in. long to 1/2" studs and with type 5 screws 1-1/4 in. long to wood framing through holes provided in clip.
6A. Clip placement (Item 6) for separation walls up to 23 ft. high. Space clips a max of 10 ft. OC vertically between wood framing and 1/2" studs.
6B. Clip placement (Item 6) for separation walls up to 44 ft. high. Space clips as described in Item 6A for upper 24 ft. Remaining wall area below required clips spaced a max of 5 ft. OC vertically between wood framing and 1/2" studs.
***Bearing the UL Classification Marking**

SYSTEM DESCRIPTION	SKETCH AND DESIGN DATA
<p>GYPSUM BOARD, WOOD JOISTS, ROOF COVERING</p> <p>Three layers 1/2" type X gypsum wallboard applied at right angles to 2 x 4 wood joists 24" o.c. with 15/32" Type W or 6" drywall screws 8" o.c. From layer 1/2" type X gypsum wallboard or gypsum veneer applied at right angles to joists with 15/32" Type D drywall screws 12" o.c. at joints and intermediate joints and 15/32" Type D drywall screws 12" o.c. at joints and intermediate joints and 15/32" Type D drywall screws 12" o.c. at joints and intermediate joints. Ceiling provides one hour fire resistance protection for wood framing, building trusses.</p>	<p>Approx. Ceiling 1/2" Type W 15/32" Type D 15/32" Type D</p>

- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
System No. 2
Flash Flashing - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
System No. 3
Flash Flashing - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
System No. 4
Flash Flashing - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-10I, F-10J, F-10K, F-10L, F-10M, F-10N, F-10O, F-10P, F-10Q, F-10R, F-10S, F-10T, F-10U, F-10V, F-10W, F-10X, F-10Y, F-10Z.
- FLASHING SYSTEM** - Flash Flashing - 48 gal of water to 80 ft. of floor topping mixture to 1.0 in. of max. Compressive strength to be 1200 psi min. Thickness to be 1/4 in. min.
MAXXON CORP. - Type F-10, F-10B, F-10C, F-10D, F-10E, F-10F, F-10G, F-10H, F-

STRUCTURAL NOTES (FOR UNIT 'A' ONLY)	
DESCRIPTION:	
1. 3" DIA. STANDARD PIPE COLUMN, 1/2"x9"x3" PLATE w/ 4-1/2" DIA. x 6" LONG EXPANSION BOLTS.	10. 3- 1 3/4" x 16" LVL CONTINUOUS, x ± 16'-0" LONG.
2. 3/8" x 5 1/4" x 3" LONG x 12" HIGH SADDLE PLATE w/ 4- 1/2" DIA. THRU BOLTS INTO WOOD BEAM.	11. 2- 1 3/4" x 12" LVL HEADER x ± 12'-0" LONG.
3. 3'-0" x 3'-0" x 1'-0" DEEP FOOTING w/ 4- #4s BOTTOM EACH WAY, 3000 PSI NORMAL WEIGHT CONCRETE.	12. 2- 2x4 JACK STUDS + 1- 2x4 KING STUD EA. END.
4. 3" DIA. STD. PIPE COLUMN w/ 3" x 9" BASE PLATE w/ 4- #6s EXPANSION BOLTS.	13. 3 1/2" x 7 1/4" PSL COLUMN.
5. 8'6"x8" LONG x 8" HIGH SADDLE PLATE w/ 2- 1" DIA. THRU BOLTS INTO WOOD BEAM.	14. 3 1/2" x 5 1/4" PSL COLUMN.
6. 3- 1 3/4" x 12" LVL. GIRDER, CONTINUOUS OVER CENTER SUPPORT.	15. 3- 2x4 STUD POST.
7. 2'-6" x 2'-6" x 1'-0" DEEP FOOTING w/ 3- #4s @ BOTTOM, EACH WAY, 3000 PSI NORMAL WT CONC.	16. 3 1/2" x 3 1/2" PSL COLUMN.
8. 4- 2x6 STUD POST, FACE NAIL EA. 2x4 STUD TO THE NEXT STUD w/ 16d NAILS, 2 ROWS @ 16" O.C.	17. 2- 1 3/4" x 11 1/4 LVL BEAM.
9. 2- 1 3/4" x 16" LVL CONTINUOUS, x ± 25'-0" LONG.	18. 1- 1/2" x 15.5" FLUSH PLATE BETW 2- 1 3/4" x 16" LVLS x ± 25'-0" LONG, w/ 1/2" THRU BOLTS, 2 ROWS @ 24" O.C.
	19. 2- 2x4 JACK STUD + 1- 2x4 KING STUD.

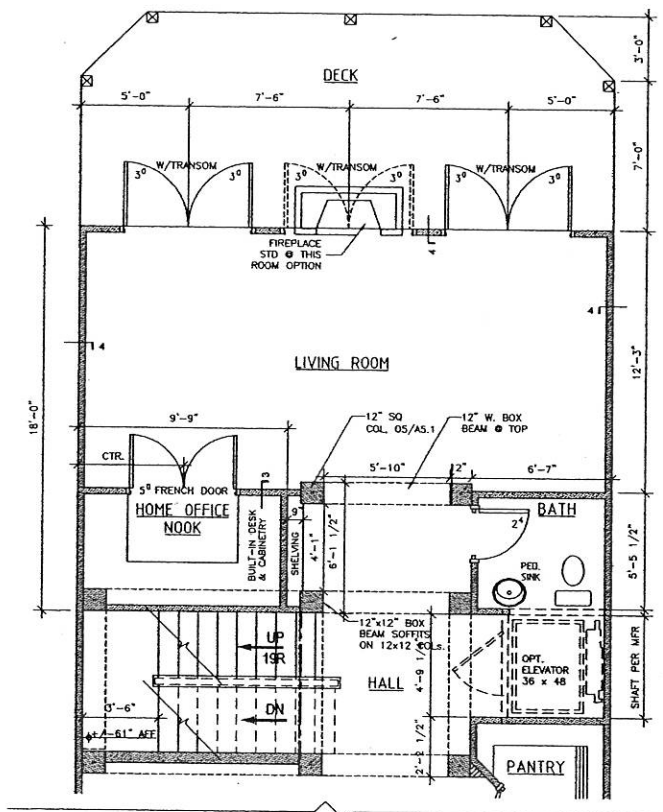
NOTE: JACK STUDS ON UPPER LEVEL, NEED TO HAVE THE SAME NUMBER OF JACK STUDS ON THE LOWER LEVEL LOCATED DIRECTLY BENEATH TO CARRY LOAD TO FOUNDATION.

GENERAL NOTES:

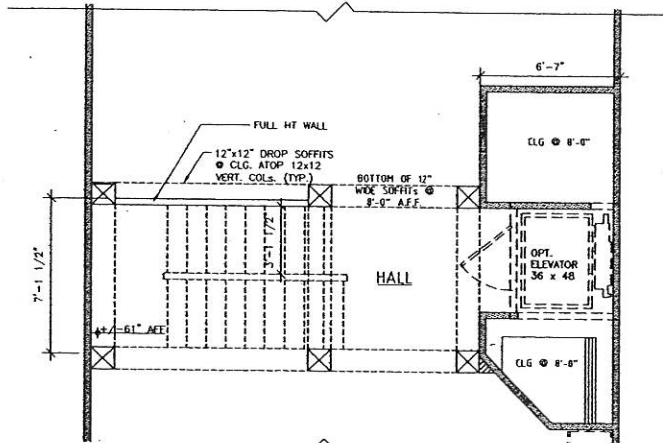
- ALL INTERIOR DOORS TO BE INSTALLED @ 6" FROM ADJACENT WALLS WHENEVER POSSIBLE.
- HOT WATER HEATERS TO BE PLACED IN ATTIC OR UPPER LEVEL MECH. ROOM.

Square Footage 'A' UNIT

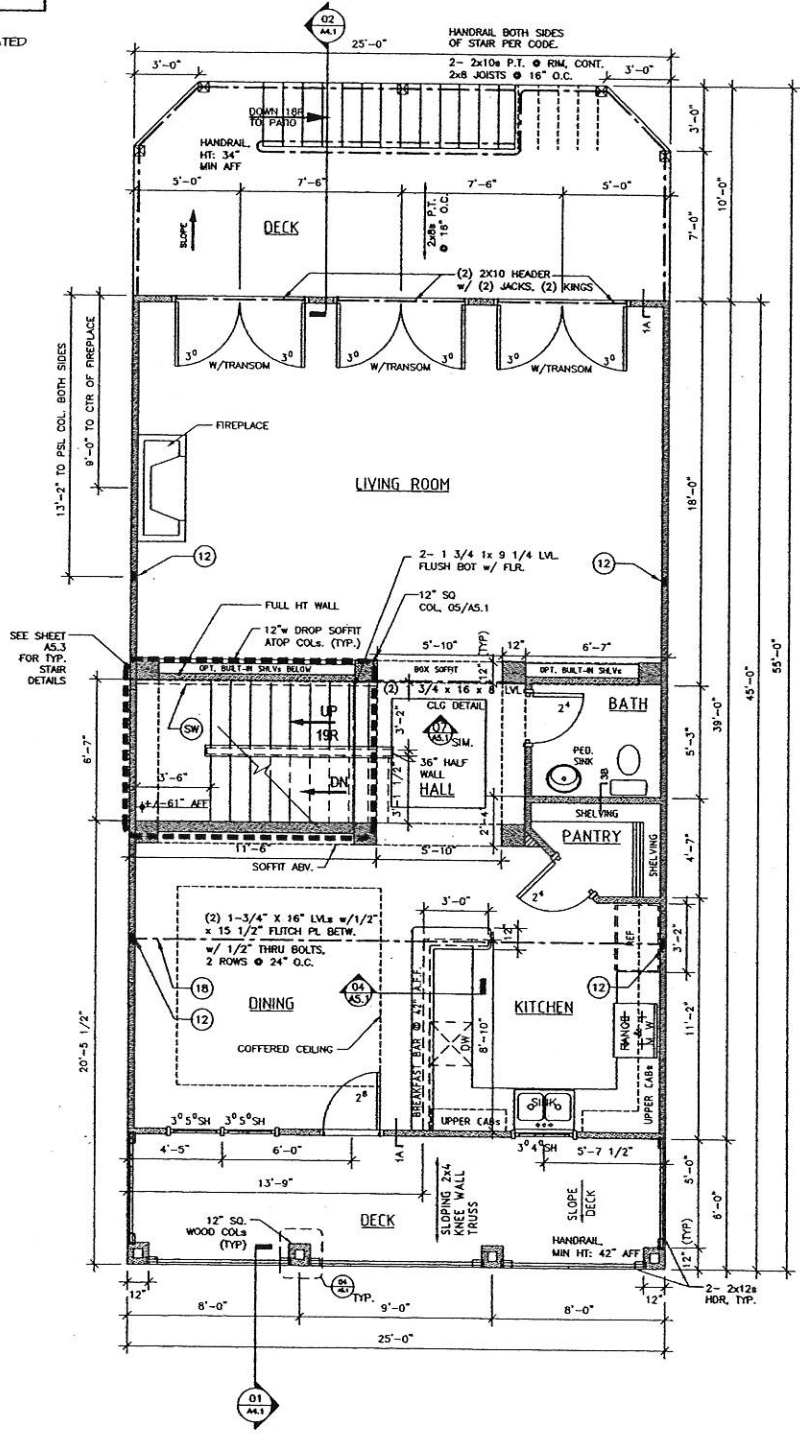
FIRST FLOOR	= 566 sq.ft.
SECOND FLOOR	= 987 sq.ft.
THIRD FLOOR	= 1,068 sq.ft.
FOURTH FLOOR	= 536 sq.ft.
TOTAL HEATED	= 3,077 sq.ft.
GARAGE	= 393 sq.ft.
TOTAL	= 3,470 sq.ft.
LESS OPT. ELEVATOR SHAFT	= 84 sq.ft.
TOTAL	= 3,386 sq.ft.



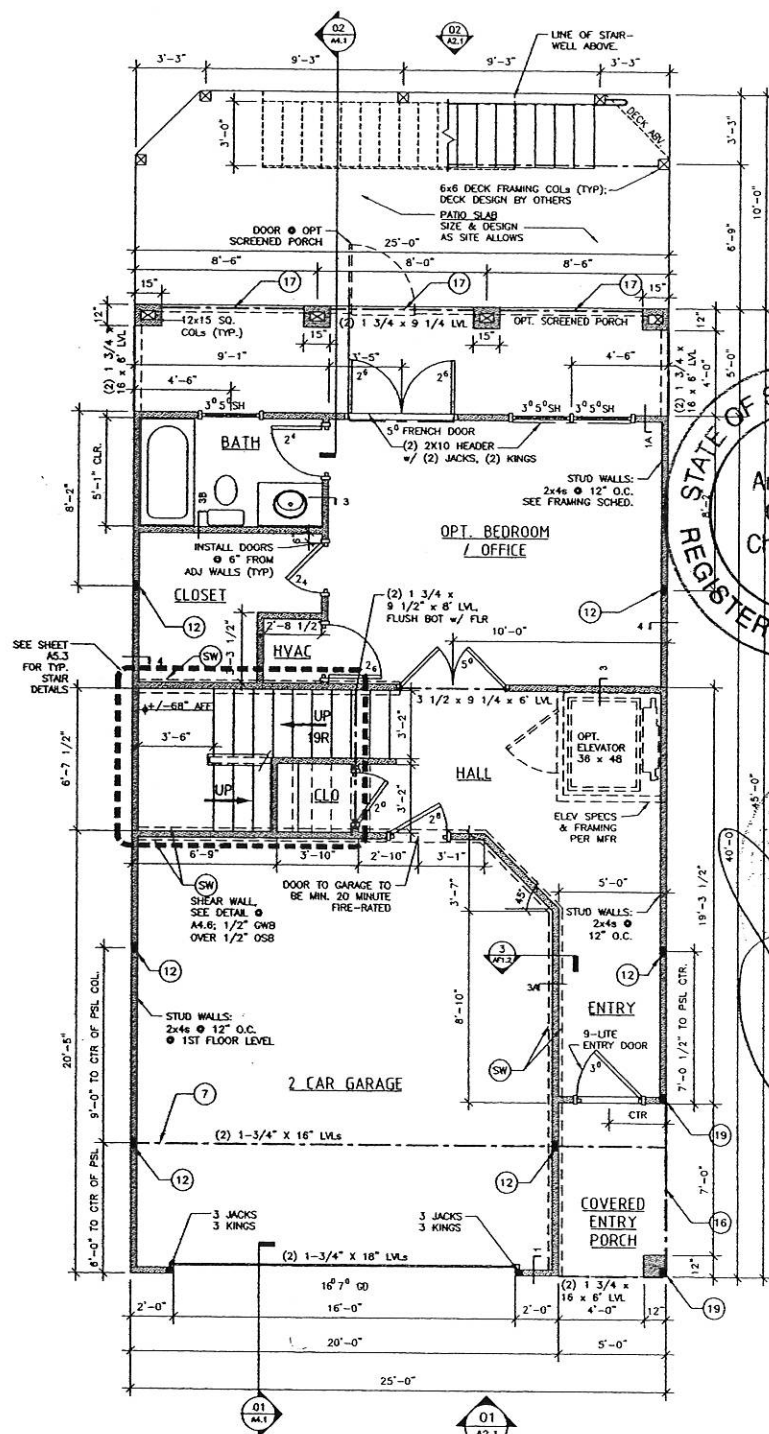
03 2ND LEVEL w/ OPTIONS
SCALE: 1/4" = 1'-0" (1/8" = 1'-0" @ 11x17)



04 2ND FLOOR REFLECTED CEILING DETAIL
SCALE: 1/4" = 1'-0" (1/8" = 1'-0" @ 11x17)



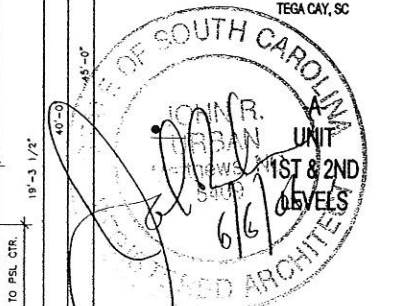
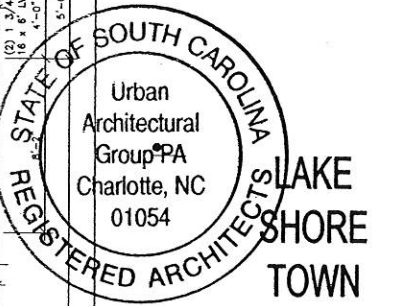
02 2ND FLOOR PLAN
SCALE: 1/4" = 1'-0" (1/8" = 1'-0" @ 11x17)



01 1ST FLOOR PLAN
SCALE: 1/4" = 1'-0" (1/8" = 1'-0" @ 11x17)

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DATE DRAWN: 5 JUNE 2006
PROJECT NO.: 2530
ISSUED FOR: PERMIT & CONSTRUCTION
5 JUNE 2006

STRUCTURAL NOTES (FOR UNIT 'A' ONLY)		
DESCRIPTION		
① 3" DIA. STANDARD PIPE COLUMN, 1/2"x9"x9" PLATE w/ 4- 1/2" DIA. x 6" LONG EXPANSION BOLTS.	② 1 3/4" x 16" LVL CONTINUOUS, x ± 16'-0" LONG.	③ 1 3/4" x 12" LVL HEADER x ± 12'-0" LONG.
④ 3/8" x 5 1/4" x 3" LONG x 12" HIGH SADDLE PLATE w/ 4- 1/2" DIA. THRU BOLTS INTO WOOD BEAM.	⑤ 2- 2x4 JACK STUDS + 1- 2x4 KING STUD EA. END.	⑥ 5 1/4" x 5 1/4" PSL COLUMN.
⑦ 3'-0" x 3'-0" x 1'-0" DEEP FOOTING w/ 4- #4s BOTTOM EACH WAY, 3000 PSI NORMAL WEIGHT CONCRETE.	⑧ 1 3/4" x 14" LVL HEADER x 16'-9" LONG.	⑨ 3 1/2" x 7 1/4" PSL COLUMN.
⑩ 3" DIA. STD. PIPE COLUMN w/ 3" x 9" x 9" BASE PLATE w/ 4- 3/8" EXPANSION BOLTS.	⑪ 2- 2x4 JACK STUDS + 2- 2x4 KING STUDS EA. END.	⑫ 3 1/2" x 5 1/4" PSL COLUMN.
⑬ 3/8" x 5 1/4" x 8" HIGH SADDLE PLATE w/ 2- 1/2" DIA. THRU BOLTS INTO WOOD BEAM.	⑭ 3- 2x4 STUD POST.	⑮ 3- 2x4 STUD POST.
⑯ 3- 1 3/4" x 12" LVL GIRDER, CONTINUOUS OVER CENTER SUPPORT.	⑰ 3 1/2" x 3 1/2" PSL COLUMN.	⑱ 2- 1 3/4" x 11 1/4" LVL BEAM.
⑲ 2'-6" x 2'-6" x 1'-0" DEEP FOOTING w/ 3- #4s @ BOTTOM, EACH WAY, 3000 PSI, NORMAL WT. CONC.	⑳ 2- 1 3/4" x 11 1/4" LVL BEAM.	㉑ 2- 2x12 BEAM.
㉒ 4- 2x6 STUD POST, FACE NAIL EA. 2x4 STUD TO THE NEXT STUD w/ 16d NAILS, 2 ROWS @ 16" O.C.	㉓ 1- 1/2" x 15.5" FLITCH PLATE BETWEEN 2- 1 3/4" x 16" LVLs x ± 25'-0" LONG, w/ 1/2" THRU BOLTS, 2 ROWS @ 24" O.C.	㉔ 2- 2x4 JACK STUD + 1- 2x4 KING STUD.
㉕ 2- 1 3/4" x 16" LVL CONTINUOUS, x ± 25'-0" LONG.		

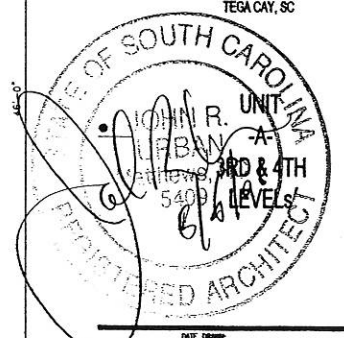
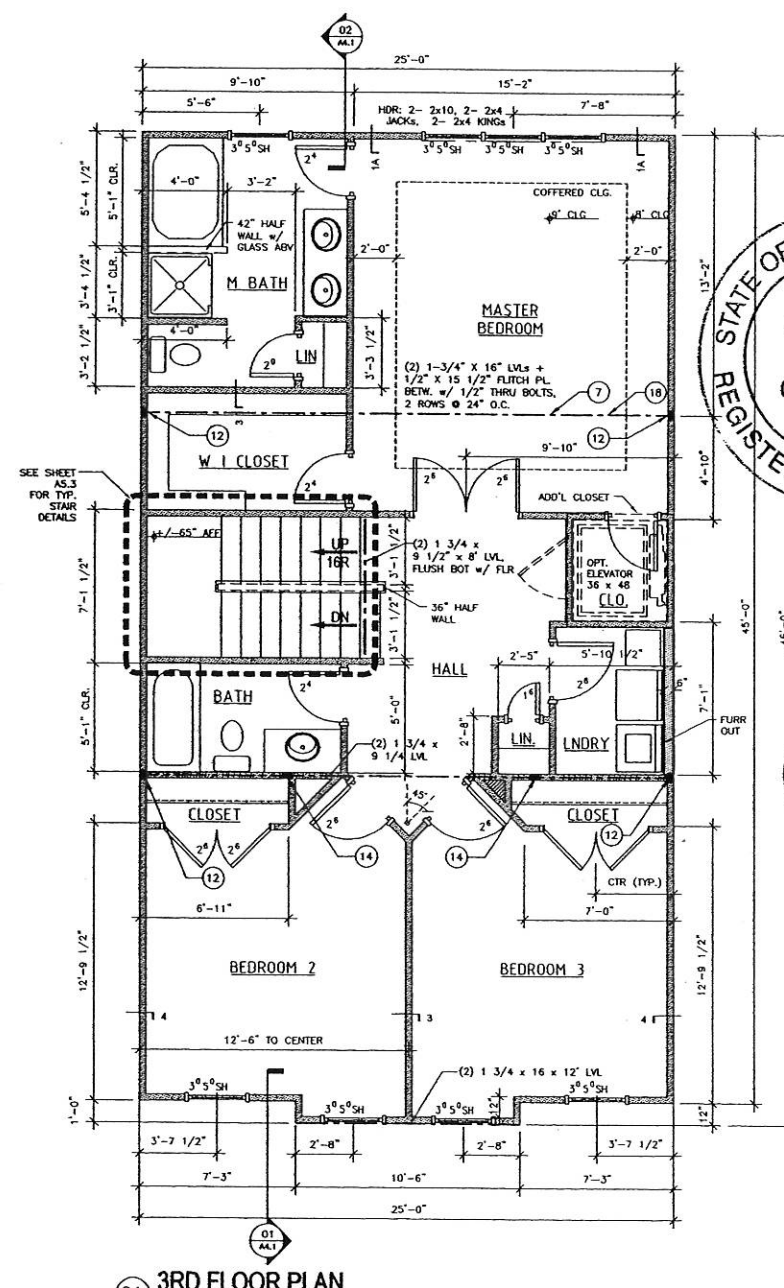
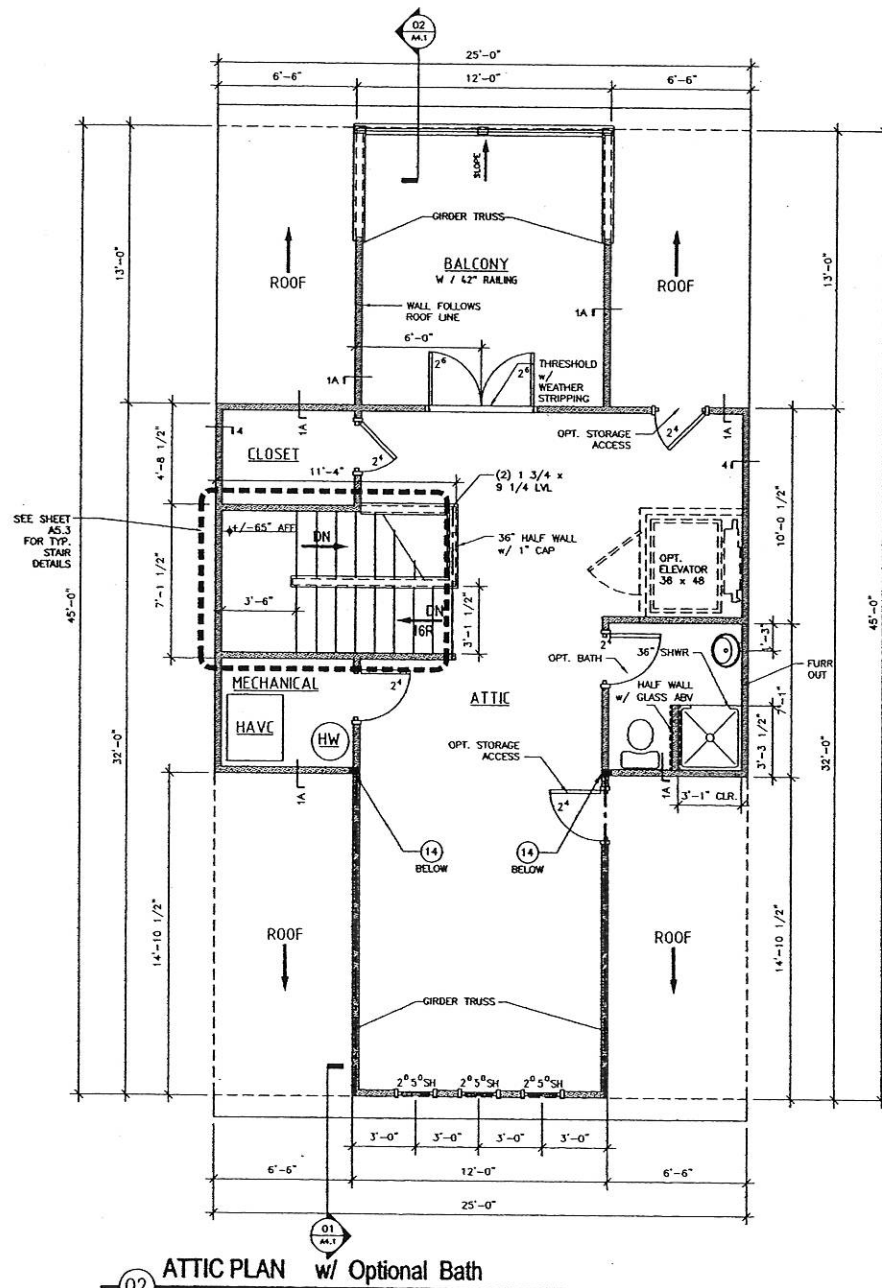
NOTE:
JACK STUDS ON UPPER LEVEL NEED TO HAVE THE SAME NUMBER OF JACK STUDS ON THE LOWER LEVEL LOCATED DIRECTLY BENEATH TO CARRY LOAD TO FOUNDATION.

- GENERAL NOTES:
- ALL INTERIOR DOORS TO BE INSTALLED @ 6" FROM ADJACENT WALLS WHENEVER POSSIBLE.
 - HOT WATER HEATERS TO BE PLACED IN ATTIC OR UPPER LEVEL MECH. ROOM.

Square Footage 'A' UNIT	
FIRST FLOOR	= 566 sq.ft.
SECOND FLOOR	= 907 sq.ft.
THIRD FLOOR	= 1,068 sq.ft.
FOURTH FLOOR	= 536 sq.ft.
TOTAL HEATED	= 3,077 sq.ft.
GARAGE	= 393 sq.ft.
TOTAL	= 3,470 sq.ft.
LESS OPT. ELEVATOR SHAFT - 84 sq ft	
TOTAL	= 3,386 sq.ft.



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DATE DRAWN	5 JUNE 2006
PROJECT NO.	2530
ISSUED FOR	PERMIT & CONSTRUCTION
DATE	5 JUNE 2006

A1b

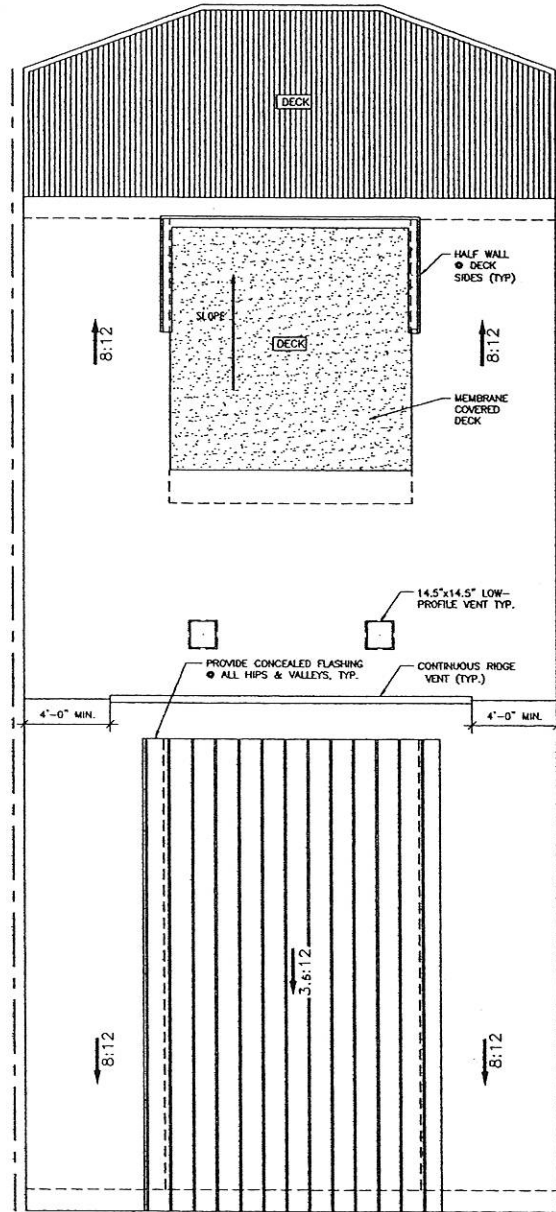
-A- UNIT ATTIC VENTILATION CALCULATION

1. AREA:	972 SQ FT / 150' - 6.48 SQ FT
2. REQUIRED VENT AREA:	6.48 x 144 = 933 SQ INCHES
3. RIDGE VENTS PROVIDED:	17 LINEAL FT @ 10' FT = 330 SQ INCHES
4. SOFFIT VENTS PROVIDED:	38 LINEAL FT @ 17' FT = 342 SQ INCHES
5. LOW PROFILE ROOF VENTS:	(2) @ 14.5' x 14.5' = 430 SQ INCHES
6. TOTAL VENT AREA PROVIDED:	1,098 SQ INCHES SUPPLIED

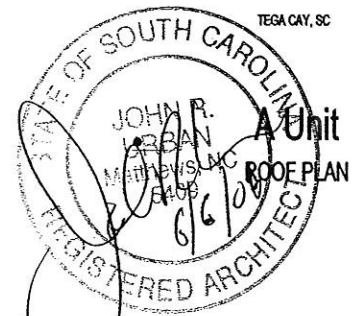


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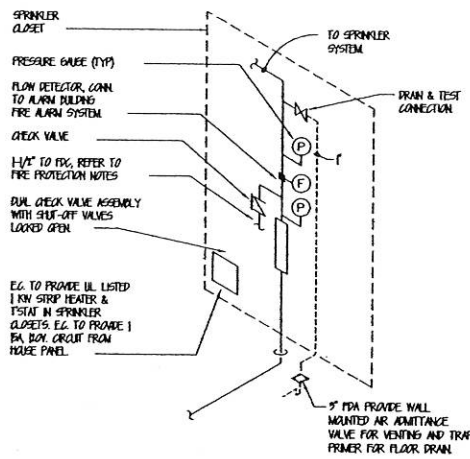
LAKE SHORE TOWN HOMES
 TEGA CAY, SC



DATE OPENED:	5 JUNE 2006
PROJECT NO.:	2530
ISSUED FOR:	PERMIT & CONSTRUCTION
DATE:	5 JUNE 2006

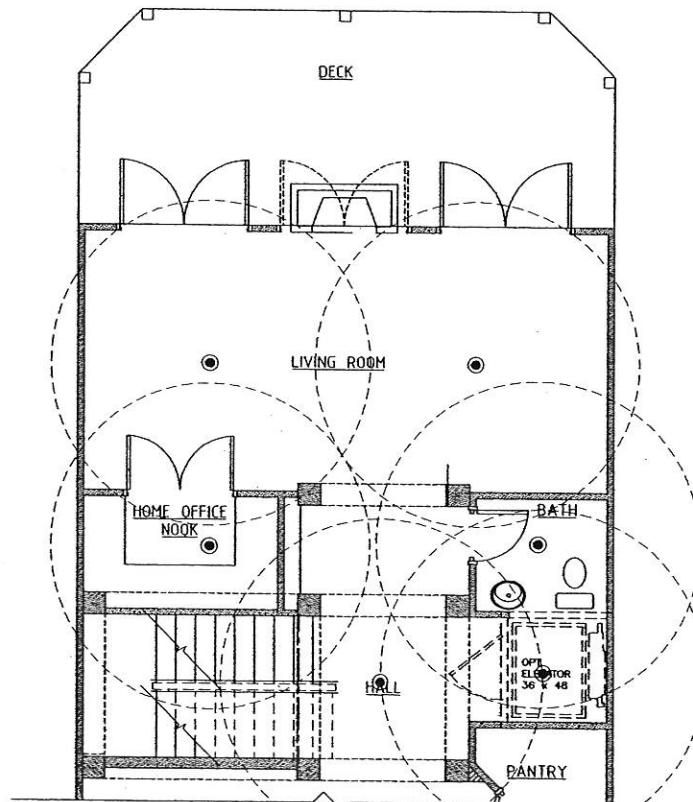
ROOF PLAN - @ UNIT -A-

A1c

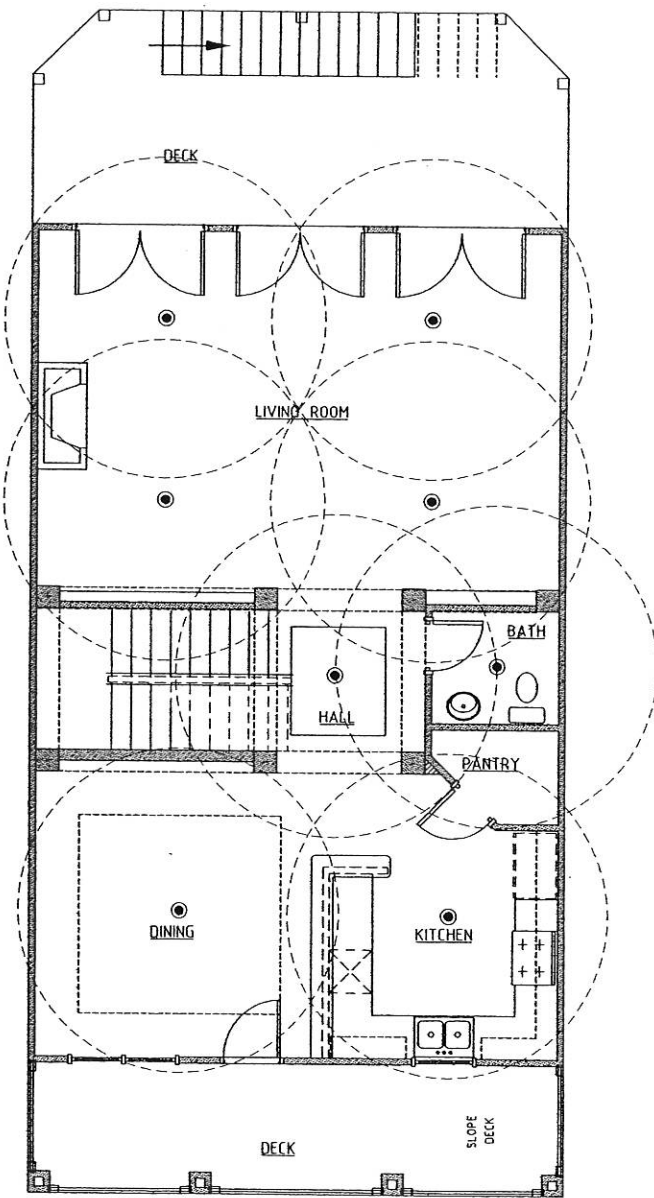


FIRE PROTECTION GENERAL NOTES

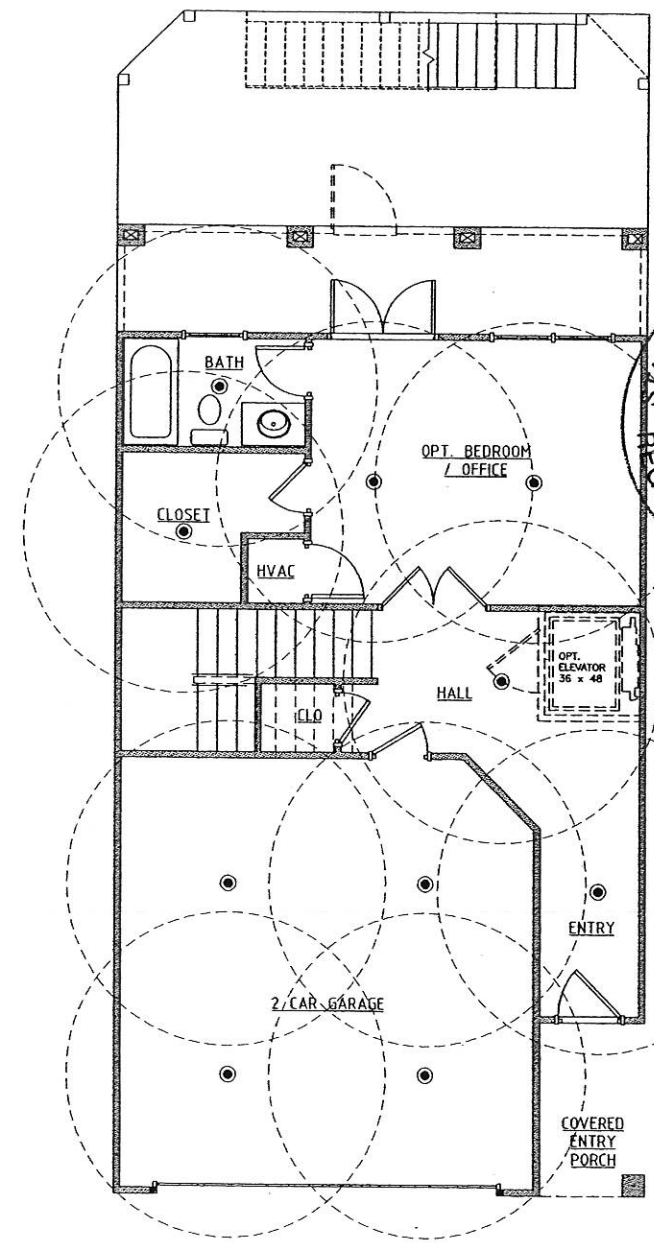
- THE FIRE PROTECTION OF THIS BUILDING SHALL BE IN ACCORDANCE WITH STATE AND LOCAL CODES AND SHALL CONFORM TO NFPA FIRE REQUIREMENTS AND IN FULL COMPLIANCE WITH LOCAL, ADOPTED AND COUNTY FIRE ORDINANCES.
- THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF A FIRE SYSTEM SHOWING COORDINATION WITH ALL STRUCTURAL AND HVAC COMPONENTS.
- THE CONTRACTOR SHALL PROVIDE HIS OWN HYDRAULICALLY DESIGNED SYSTEM FOR REVIEW AND APPROVAL BY THE LOCAL FIRE MARSHAL'S OFFICE AND PROTECT FOR USE ON THIS PROJECT.
- SPRINKLER SYSTEM DESIGN SHALL BE BASED ON THE FOLLOWING CRITERIA:
 - SPACING OF HEADS: 16'-0" ON CENTER
 - TYPE OF HEADS: GRADE, WET-PIPE, OR APPROVED EQUAL
 - TYPE OF PACKING OF THE TUBULAR
 - TYPE OF BACKFLOW PREVENTION: DUAL CHECK VALVE
 - SIZE OF MAIN LINE AT STREET: REFER TO CIVIL DRAWINGS
 - SIZE OF BRANCH LINES: 1/2"
 - TYPE AND DESIGN OF HEADS USED: VARIOUS MODELS IN RESIDENTIAL GRADE-LEVEL PLATED PENDANT WITH GRADE ESCAPEMENT PLATES 16"
 - PLUMBING INSTALLATION SHALL BE PERFORMED BY THE CONTRACTOR PRIOR TO CALLING FIRE MARSHAL'S OFFICE FOR APPROVAL FOR NECESSARY PLUMBING TEST.
- HEAD SPACING CRITERIA SHALL BE AS FOLLOWS:
 - NO MORE THAN 6'-0" OF WALL
 - NO LESS THAN 6'-0" APART
 - NO MORE THAN 8'-0" APART
 - NO LESS THAN 1'-0" FROM THE RANGE HOOD/STOVE
 - NO LESS THAN 1'-0" IN FRONT OF OR 2'-0" TO THE SIDE OF A RECESSED PRELACE.
- FOR WATER FLOW DATA SEE CIVIL PLANS.
- FIRE RETARDANT CONNECTION TO BE MADE OR AS ALLOWED BY LOCAL AUTHORITY DURING INSPECTION.



2ND LEVEL w/ OPTIONS



2ND FLOOR PLAN



1ST FLOOR PLAN

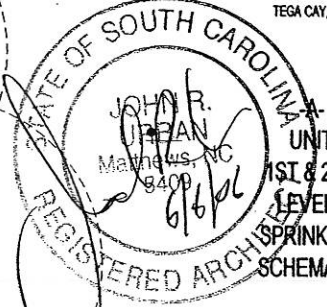


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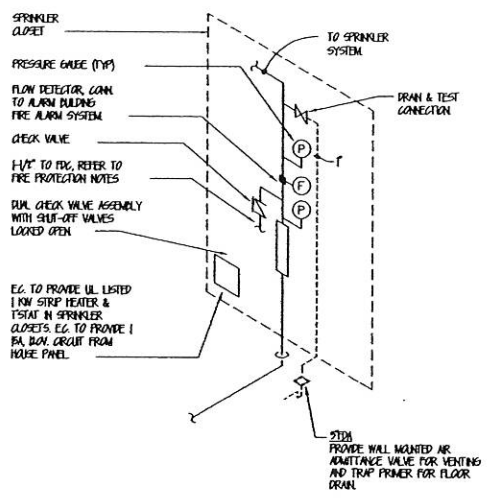
LAKE SHORE TOWN HOMES
 TEGA CAY, SC



UNIT 1ST & 2ND LEVELS
 SPRINKLER SCHEMATIC

DATE DRAWN	5 JUNE 2006
PROJECT NO.	2530
ISSUED FOR	PERMIT & CONSTRUCTION
DATE	5 JUNE 2006

A1d



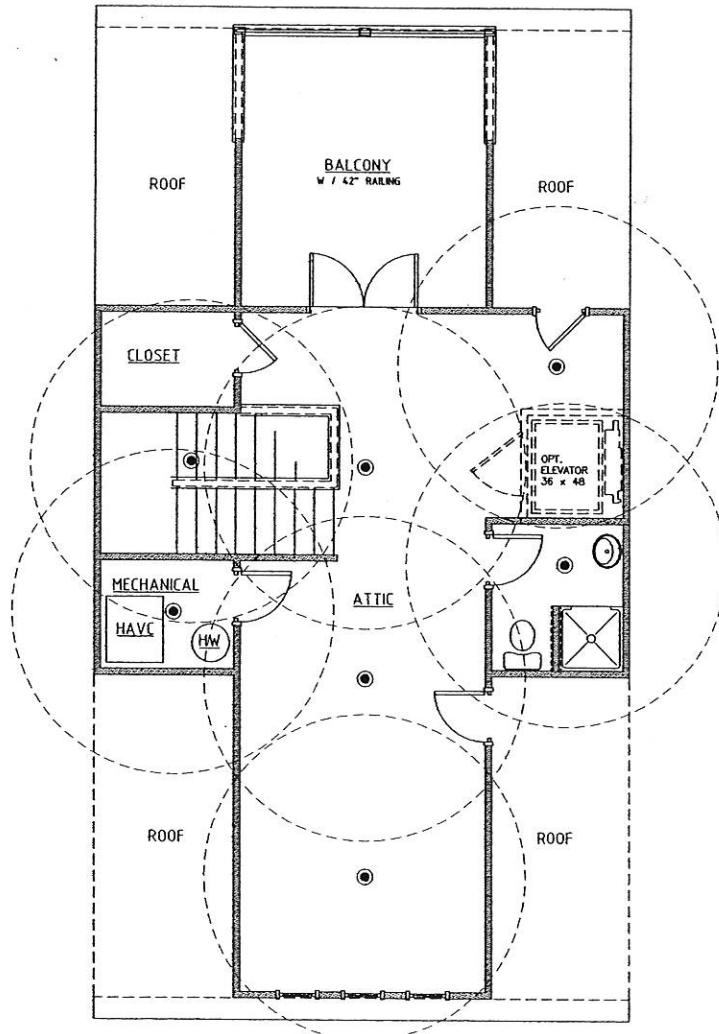
FIRE PROTECTION GENERAL NOTES

- THE FIRE PROTECTION OF THIS BUILDING SHALL BE IN ACCORDANCE WITH STATE AND LOCAL CODES AND SHALL CONFORM TO NFPA OR GENERAL REQUIREMENTS AND IN FULL COMPLIANCE WITH LOCAL AGENCIES AND LOCAL FIRE AGENCIES.
- THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AS A FIRE SYSTEM DESIGN COORDINATION WITH ALL STRUCTURAL AND HVAC COMPONENTS.
- THE CONTRACTOR SHALL PROVIDE HIS OWN INDEPENDENTLY DESIGNED SYSTEM FOR REVIEW AND APPROVAL BY THE LOCAL FIRE AGENCIES OFFICE AND ARCHITECT FOR USE ON THIS PROJECT.
- SPRINKLER SYSTEM DESIGN SHALL BE BASED ON THE FOLLOWING CRITERIA:
 - SPRINKLER TYPE: WAF-FLOWING
 - TYPE OF FROST-PROOFING: TRAZEMASTER, OR APPROVED EQUIV.
 - TYPE OF FROSTING OF PIPE: HEAT TUBES
 - TYPE OF BACKFLOW PREVENTION: RUL CHECK VALVE
 - SIZE OF MAIN LINE AT STREET: REFER TO G.M. DRAWINGS
 - SIZE OF BRANCH LINES: 3/4"
 - TYPE AND PRESSURE OF HEADS USED: K1600 MODEL 11 RESPONSE-RATED GLASS BULB WITH GRADE ELEVATION PLATES 160"
 - FLAME VERIFICATION SHALL BE PERFORMED BY THE CONTRACTOR PRIOR TO CALLING FIRE AGENCIES OFFICE FOR APPROVAL FOR INSPECTOR'S FLOW TEST.
- HEAD SPACING CRITERIA SHALL BE AS FOLLOWS:
 - NO MORE THAN 8'-0" OFF WALL
 - NO LESS THAN 8'-0" APART
 - NO MORE THAN 5'-0" APART
 - NO LESS THAN 1'-0" FROM THE RANGE FOOTPRINT
 - NO LESS THAN 1'-0" IN FRONT OF OR 5'-0" TO THE SIDE OF A RECESSED HEADCASE
- FOR WATER FLOW AREA SEE G.M. PLANS
- FIRE DEPARTMENT CONNECTION TO BE BRASS OR AS ALLOWED BY LOCAL AUTHORITY HAVING JURISDICTION

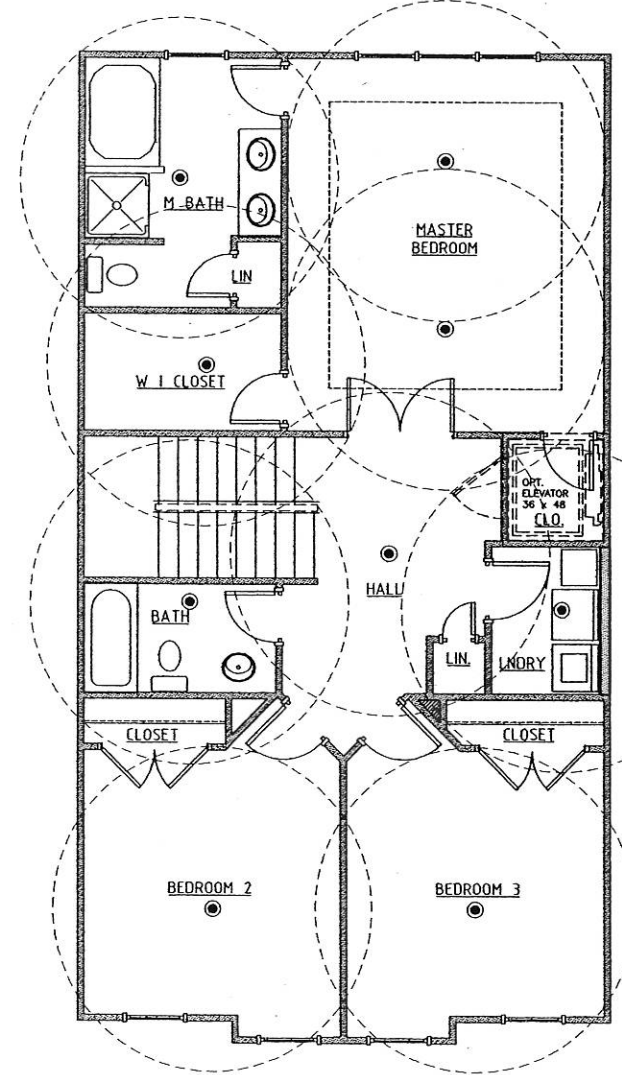


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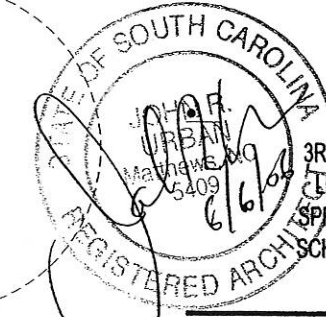
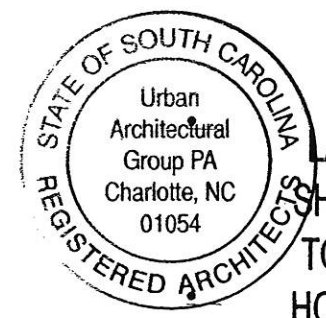
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02 ATTIC PLAN w/ Optional Bath



01 3RD FLOOR PLAN



LAKE SHORE TOWN HOMES
TEGA CAY, SC

UNIT -A-
3RD & 4TH LEVELS
SPRINKLER SCHEMATIC

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PROJECT NO.:	2530
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DATE:	5 JUNE 2006

A1e

STRUCTURAL NOTES (FOR UNIT 'B' ONLY)	
DESCRIPTION:	
1 2'-6" x 2'-6" x 1'-0" DEEP FOOTING w/ 3- #4s @ BOTTOM, EACH WAY, 3000 PSI, NORMAL WT CONC.	3 3- 1 3/4" x 12" LVL GRIDER, CONTINUOUS OVER CENTER SUPPORT.
2 3'-0" x 3'-0" x 1'-0" DEEP FOOTING w/ 4- #4s @ BOTTOM, EACH WAY, 3000 PSI, NORMAL WT CONC.	4 2- 1 3/4" x 16" LVL, CONTINUOUS, x ± 28'-0" LONG.
3 3" DIA STANDARD PIPE COLUMN, 1/2"x9" PLATE w/ 4- 1/2" DIA x 6" LONG EXPANSION BOLTS.	5 3- 1 3/4" x 16" LVL, CONTINUOUS, x ± 16'-0" LONG.
4 3/8" x 1/4" x 12" LONG x 12" HIGH SADDLE PLATE w/ 4- 1/2" DIA THRU BOLTS INTO WOOD BEAM.	6 2- 1 3/4" x 18" LVL, HEADER x 16'-9" LONG.
5 3" DIA STANDARD PIPE COLUMN, 1/2"x9" BASE PLATE w/ 4- 1/2" DIA x 6" LONG EXPANSION BOLTS.	7 3- 2x4 JACK STUDS + 2- 2x4 KING STUDS EA. END.
6 3/8" x 6" x 8" LONG x 8" HIGH SADDLE PLATE w/ 2- 1/2" DIA THRU BOLTS INTO WOOD BEAM.	8 2- 2x4 JACK STUDS + 1- 2x4 KING STUDS EA. END.
7 4- 2x6 STUD POST, FACE NAIL EA. OF STUD w/ 16d NAILS, 2 ROWS @ 16" O.C.	9 3- 2x4 JACK STUDS + 1- 2x4 KING STUDS EA. END.
8 5 1/4" x 5 1/4" PSL COLUMN	
9 2- 1 3/4" x 12" LVL HEADER ± 12'-0" LONG. 2- 2x4 JACK STUDS + 1- 2x4 KING STUD EA. END.	

FRAMING SCHEDULE	
FIRST FLOOR:	2x4 STUDS @ 12" O.C.
ALL OTHER FLRS:	2x4 STUDS @ 16" O.C.

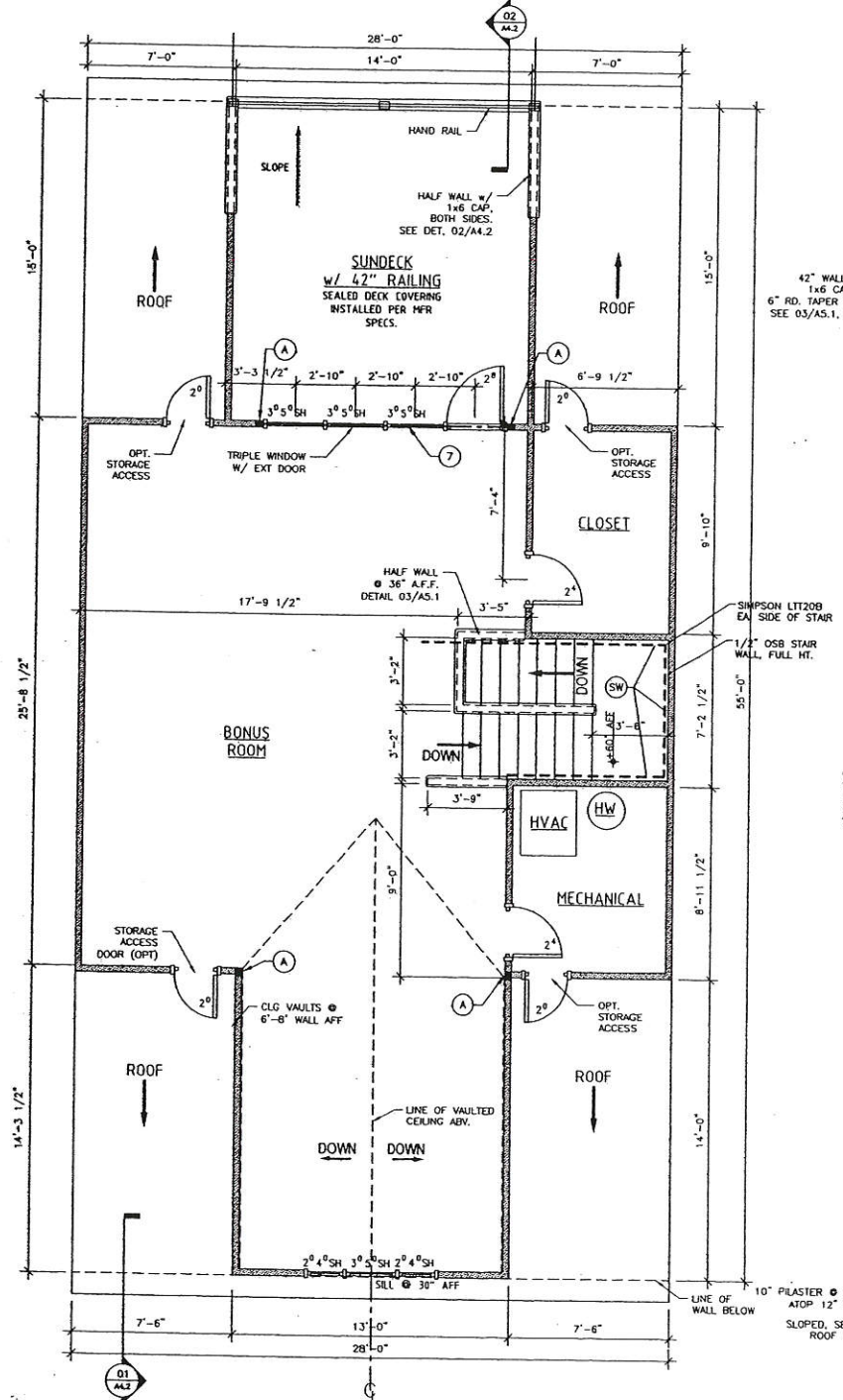
- GENERAL NOTES:**
- ALL INTERIOR DOORS TO BE INSTALLED @ 6" FROM ADJACENT WALLS WHENEVER POSSIBLE.
 - HOT WATER HEATERS TO BE PLACED IN ATTIC OR UPPER LEVEL MECH. ROOM.

Square Footage UNIT 'B'	
FIRST FLOOR	= 1,004 sq.ft.
SECOND FLOOR	= 1,367 sq.ft.
THIRD FLOOR	= 847 sq.ft.
TOTAL HEATED	= 3,218 sq.ft.
GARAGE	= 455 sq.ft.
TOTAL	= 3,673 sq.ft.

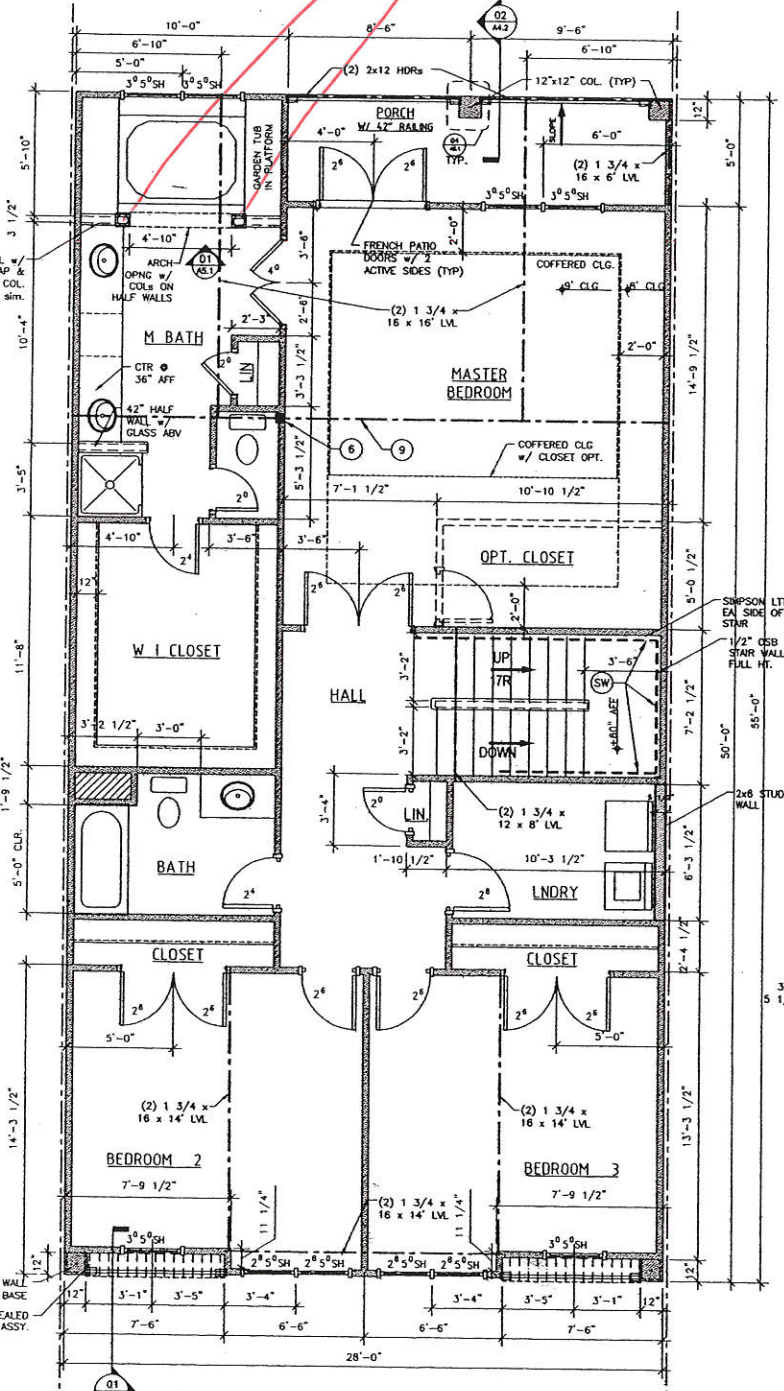
7 Remove Columns

42" cherry

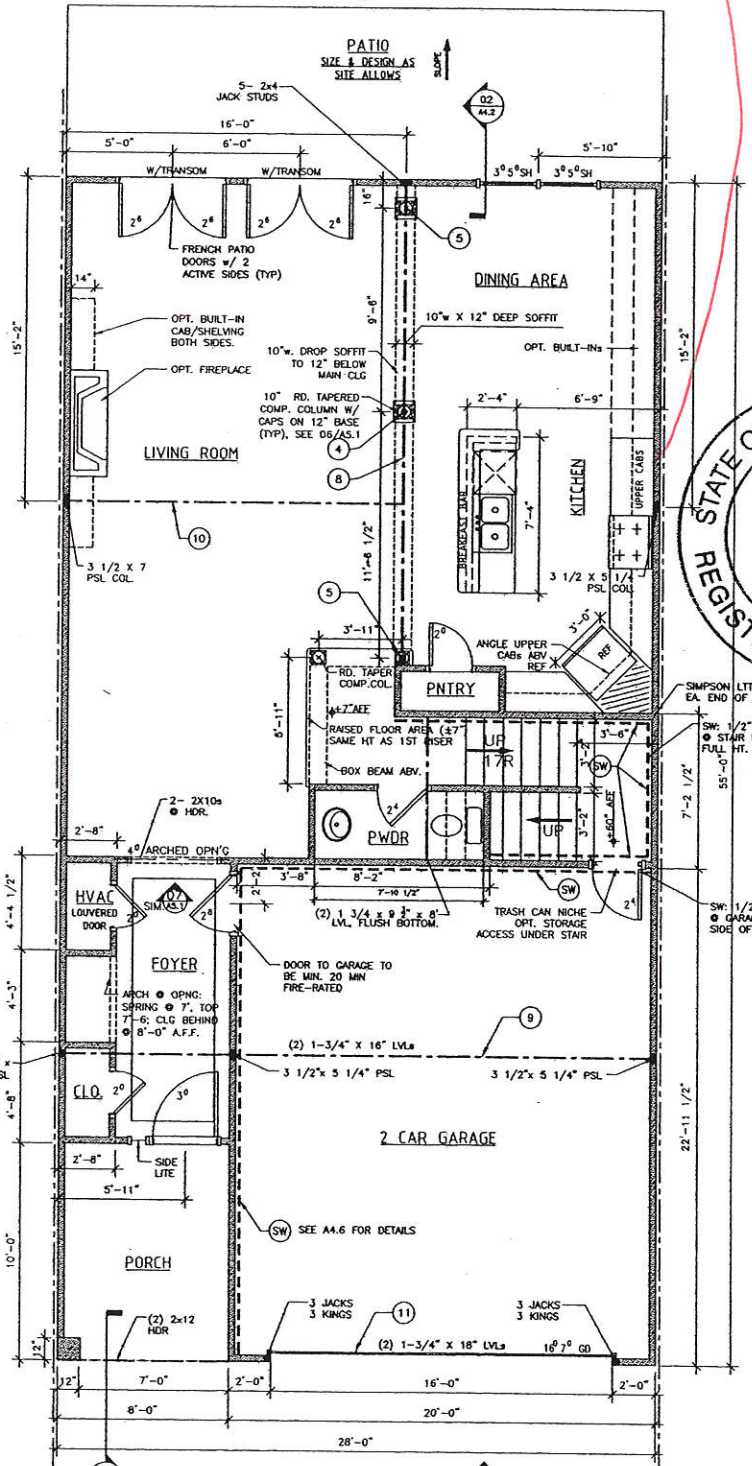
40



03 3RD FLOOR PLAN
1/4" = 1'-0" (1/8" = 1'-0" @ 11x17)



02 2ND FLOOR PLAN
1/4" = 1'-0" (1/8" = 1'-0" @ 11x17)

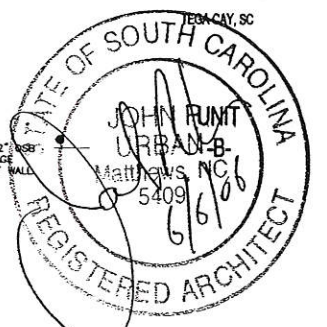


01 1ST FLOOR PLAN
1/4" = 1'-0" (1/8" = 1'-0" @ 11x17)



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DATE: 5 JUNE 2006

A1.2

BUM-40

STRUCTURAL NOTES (FOR UNIT 'B' ONLY)	
1. 2'-6" x 2'-6" x 1'-0" DEEP FOOTING w/ 3- #4s @ BOTTOM, EACH WAY, 3000 PSI, NORMAL WT CONC.	6. 3- 1 3/4" x 12" LVL GIRDER, CONTINUOUS OVER CENTER SUPPORT.
2. 3'-0" x 3'-0" x 1'-0" DEEP FOOTING w/ 4- #4s @ BOTTOM, EACH WAY, 3000 PSI, NORMAL WT CONC.	7. 2- 1 3/4" x 16" LVL CONTINUOUS, x ± 28'-0" LONG.
3. 3" DIA STANDARD PIPE COLUMN, 1/2"x9"x9" PLATE w/ 4- 1/2" DIA x 6" LONG EXPANSION BOLTS, 3/8"x5 1/4"x3" LONGx12" HIGH SADDLE PLATE w/ 4- 1/2" DIA THRU BOLTS INTO WOOD BEAM.	8. 3- 1 3/4" x 16" LVL CONTINUOUS, x ± 16'-0" LONG.
4. 3" DIA STANDARD PIPE COLUMN, 1/2"x9"x9" BASE PLATE w/ 4- 1/2" DIA x 6" LONG EXPANSION BOLTS, 3/8" x 6" x 8" LONG x 8" HIGH SADDLE PLATE w/ 2- 1/2" DIA THRU BOLTS INTO WOOD BEAM.	9. 2- 1 3/4" x 18" LVL HEADER x 16'-9" LONG.
5. 1/4" x 5 1/4" PSL COLUMN.	10. 3- 2x4 JACK STUDS + 2- 2x4 KING STUDS EA. END.
	11. 2- 2x4 JACK STUDS + 1- 2x4 KING STUDS EA. END.
	12. 2x4 JACK STUDS + 1- 2x4 KING STUDS EA. END.

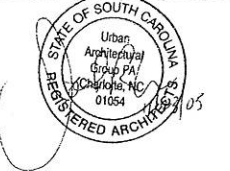
FRAMING SCHEDULE
FIRST FLOOR: 2x4 STUDS @ 12" O.C.
ALL OTHER FLRS: 2x4 STUDS @ 16" O.C.

- GENERAL NOTES:
- ALL INTERIOR DOORS TO BE INSTALLED @ 6" FROM ADJACENT WALLS WHENEVER POSSIBLE.
 - HOT WATER HEATERS TO BE PLACED IN ATTIC OR UPPER LEVEL MECH. ROOM.

Square Footage	UNIT 'B'
FIRST FLOOR	= 1,004 sq.ft.
SECOND FLOOR	= 1,367 sq.ft.
THIRD FLOOR	= 847 sq.ft.
TOTAL HEATED	= 3,218 sq.ft.
GARAGE	= 455 sq.ft.
TOTAL	= 3,673 sq.ft.



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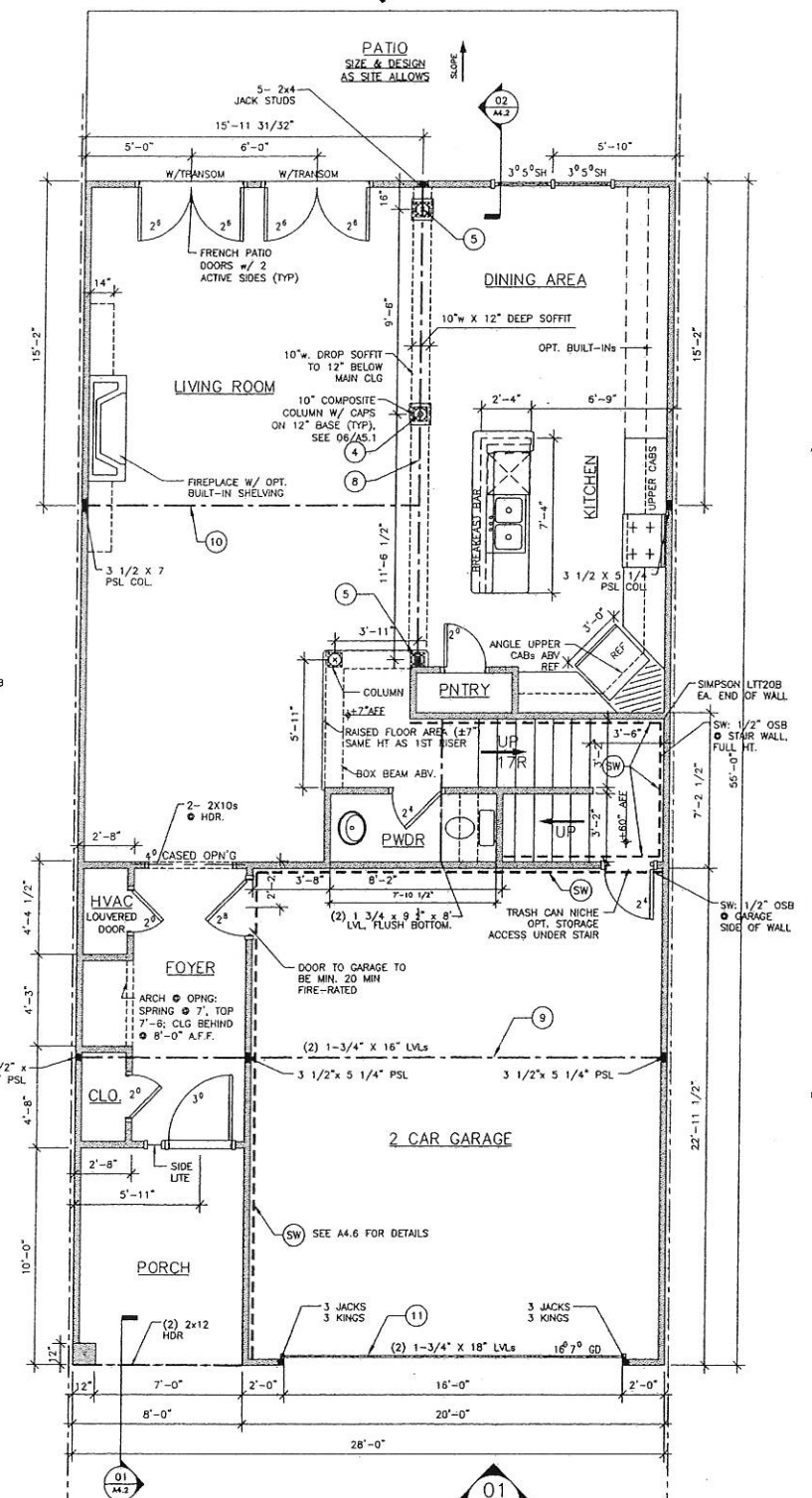
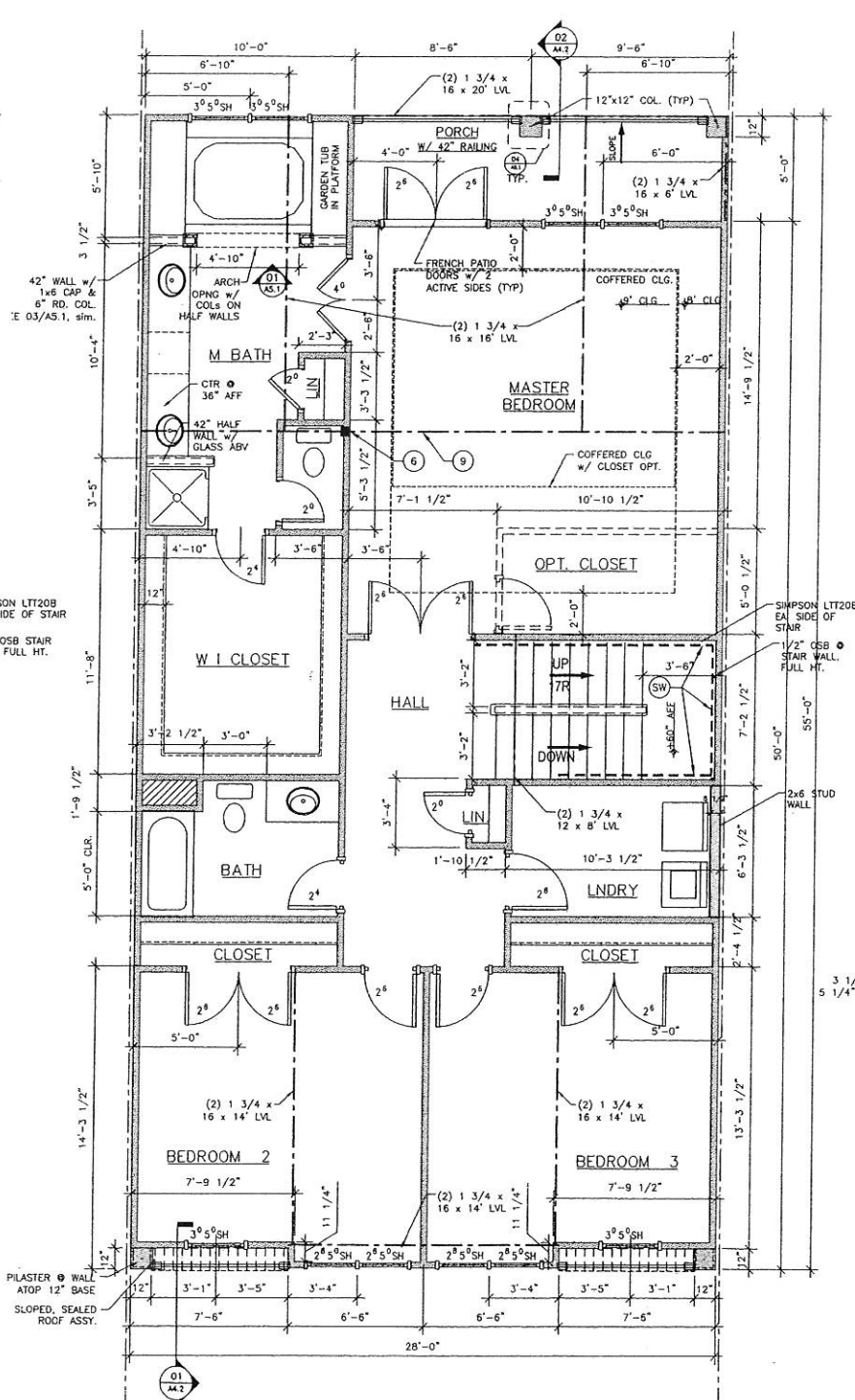
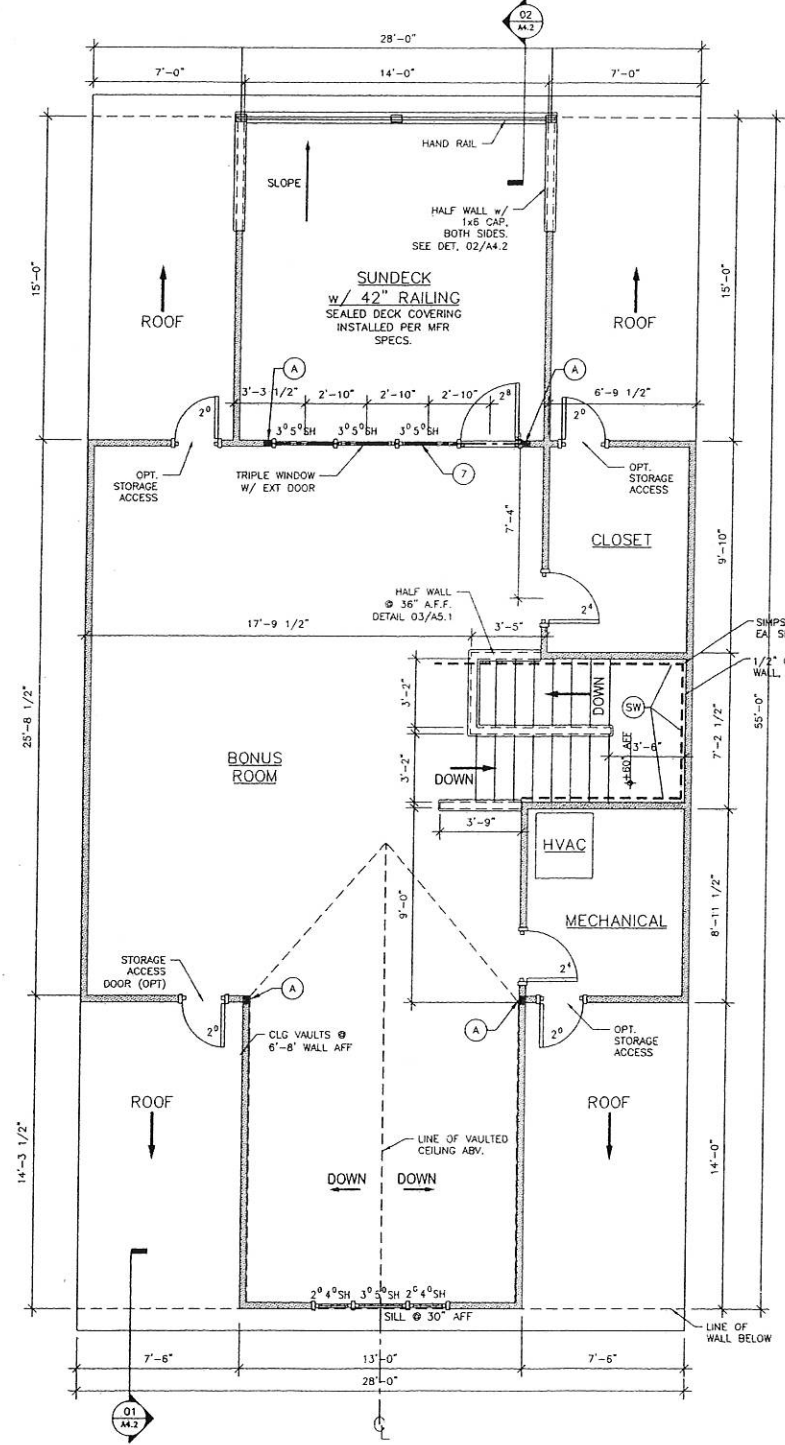


LAKE SHORE TOWN HOMES

TEGA CAY, SC
 UNIT -B-

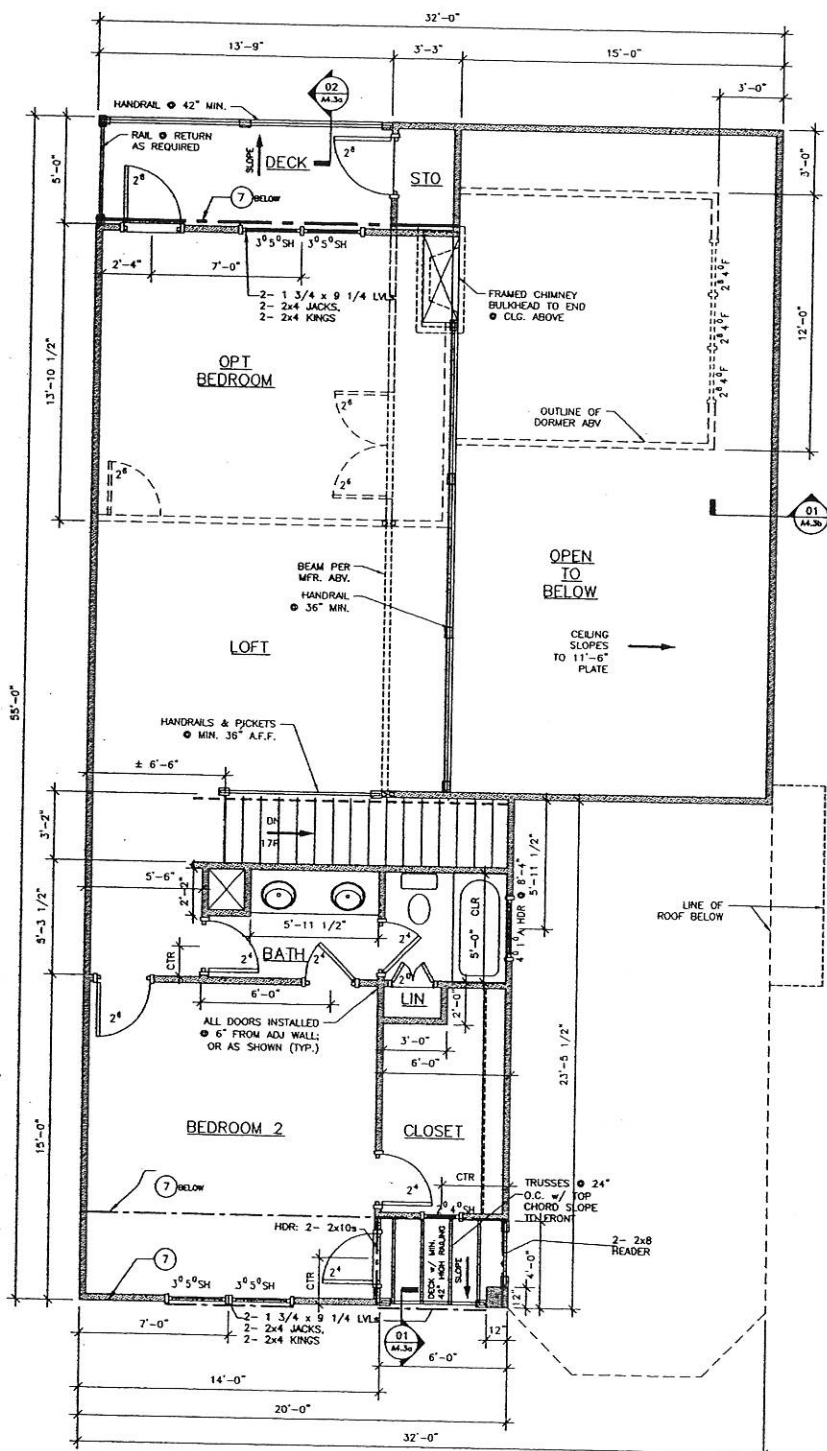


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ISSUE DATE	1 OCTOBER 2005



A1.2
 FLOOR PLANS
 UNIT -B-

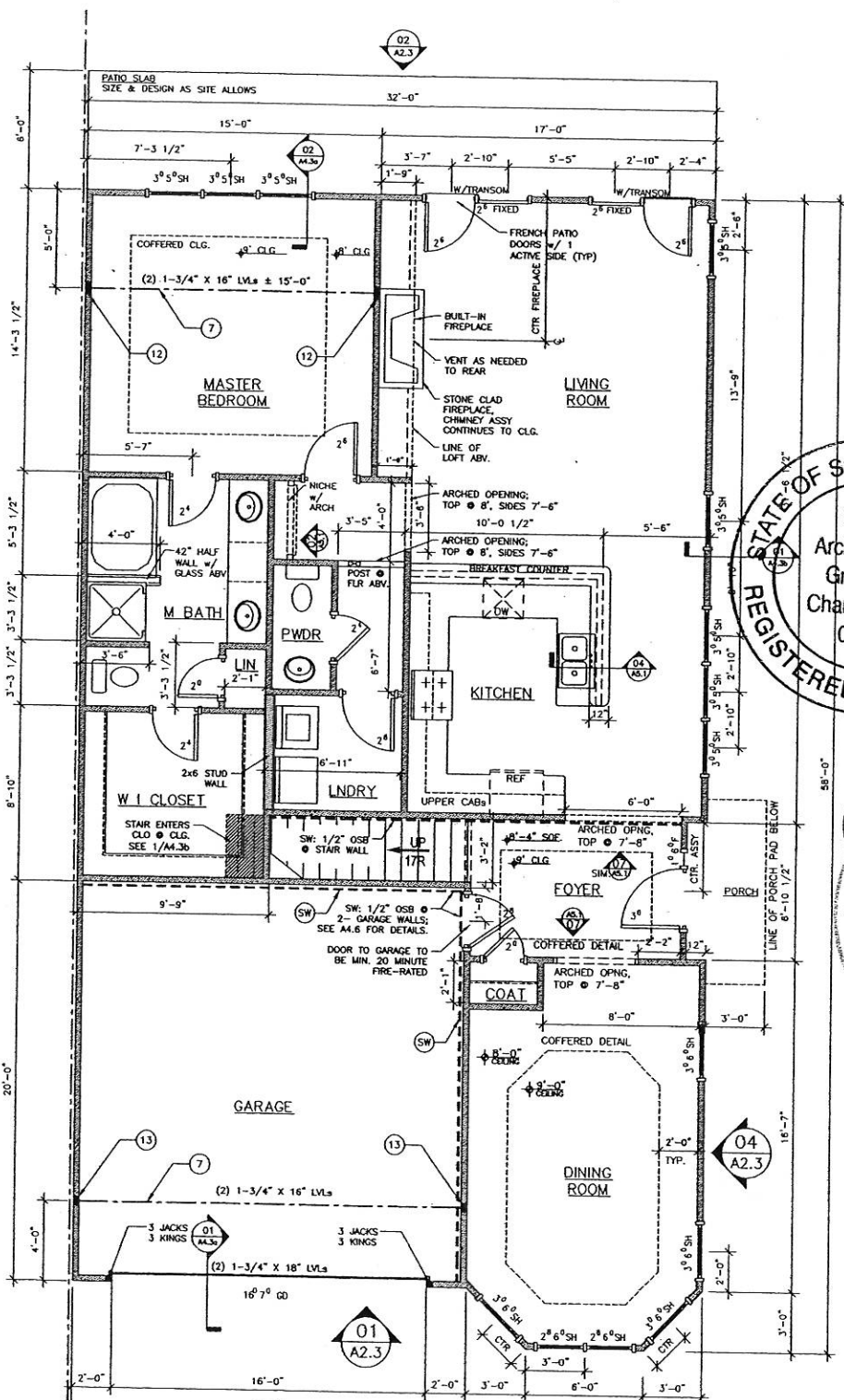
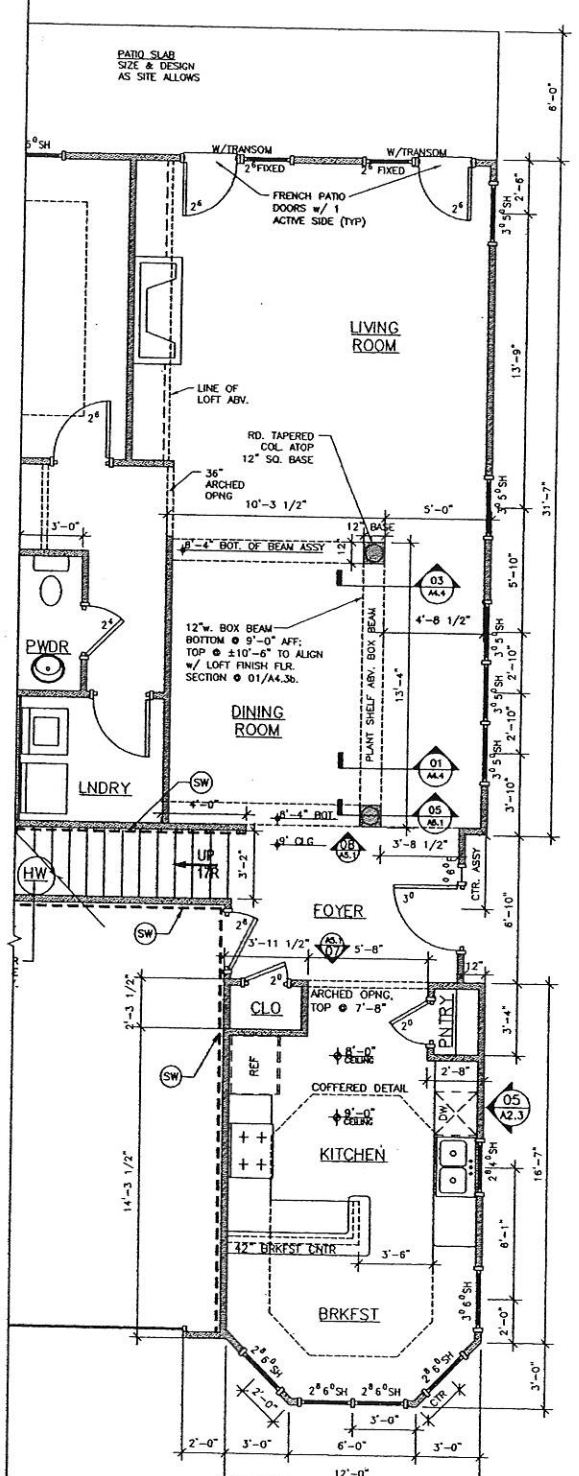
STRUCTURAL NOTES (FOR UNIT 'C' ONLY)	
#	DESCRIPTION:
1	3" DIA. STANDARD PIPE COLUMN 1/2" x 9" base plate w/ 4-1/2" x 6" LONG EXPANSION BOLTS.
2	3/8" x 5 1/4" x 8" LONG x 12" HIGH SADDLE PLATE w/ 4-1/2" THROUGH BOLTS INTO WOOD BEAM.
3	3'-0" x 3'-0" x 1'-0" DEEP FOOTING w/ 4-#4 BOTTOM EACH WAY, 3000 PSI NORMAL WEIGHT CONCRETE.
4	3" DIA. STD. PIPE COLUMN w/ 1/2" x 9" x 9" BASE PLATE w/ 4-1/2" x 6" LONG EXPANSION BOLTS.
5	3/8" x 5 1/4" x 8" LONG x 12" HIGH SADDLE PLATE w/ 2-1/2" DIA. THRU BOLTS INTO WOOD BEAM.
6	3-1 3/4" x 12" LVL. GRIDER, CONTINUOUS OVER CENTER SUPPORT.
7	2'-6" x 2'-6" x 1'-0" DEEP FOOTING w/ 3-#4 @ BOTTOM, EACH WAY, 3000 PSI, NORMAL WT CONC.
8	4-2x6 STUD POST, FACE NAIL EA. 2x4 STUD TO THE NEXT STUD w/ 16d NAILS, 2 ROWS @ 16" O.C.
9	2-1 3/4" x 16" LVL. CONTINUOUS, 20' ± LONG. (LENGTH VARIES)
10	3-1 3/4" x 16" LVL. CONTINUOUS, x ± 16'-0" LONG.
11	2-1 3/4" x 12" LVL. HEADER x 12'-0" ± LONG.
12	2-2x4 JACK STUDS + 1-2x4 KING STUD EA. END.
13	5 1/4" x 5 1/4" PSL COLUMN.
14	2-1 3/4" x 14" LVL. HEADER x 16'-9" LONG.
15	3-2x4 JACK STUDS + 2-2x4 KING STUDS EA. END.
16	3 1/2" x 7" PSL COLUMN.
17	3 1/2" x 5 1/4" PSL COLUMN.
18	3-2x4 STUD POST.
19	3 1/2" x 3 1/2" PSL COLUMN.
20	2-1 3/4" x 11 1/4" LVL. BEAM.
21	2-2x12 BEAM.
22	4-1 3/4" x 16" LVL. x 25'-0" ± LONG.
23	2-2x4 JACK STUD + 1-2x4 KING STUD.



FRAMING SCHEDULE
FIRST FLOOR: 2x4 STUDS @ 12" O.C.
ALL OTHER FLRS: 2x4 STUDS @ 16" O.C.

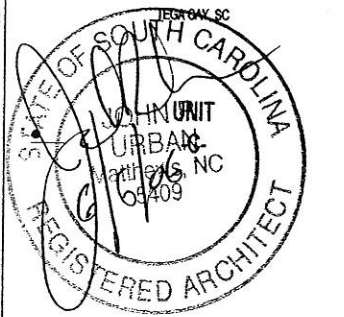
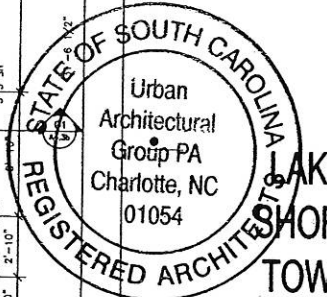
- GENERAL NOTES:**
- ALL INTERIOR DOORS TO BE INSTALLED @ 6" FROM ADJACENT WALLS WHENEVER POSSIBLE.
 - HOT WATER HEATERS TO BE PLACED IN ATTIC OR UPPER LEVEL MECH. ROOM.

Square Footage
FIRST FLOOR = 1,386 sq.ft.
SECOND FLOOR = 854 sq.ft.
TOTAL HEATED = 2,240 sq.ft.
GARAGE = 394 sq.ft.
TOTAL = 2,634 sq.ft.



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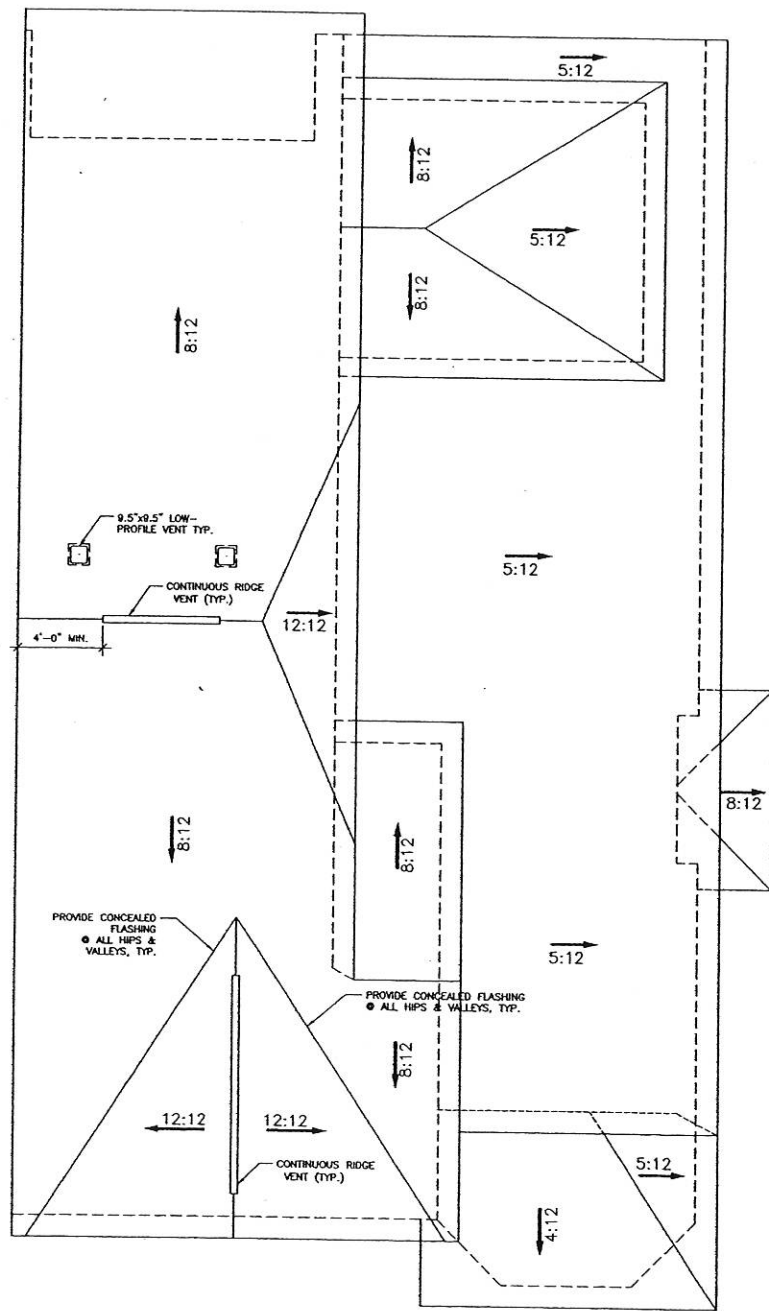
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-C- UNIT ATTIC VENTILATION CALCULATION

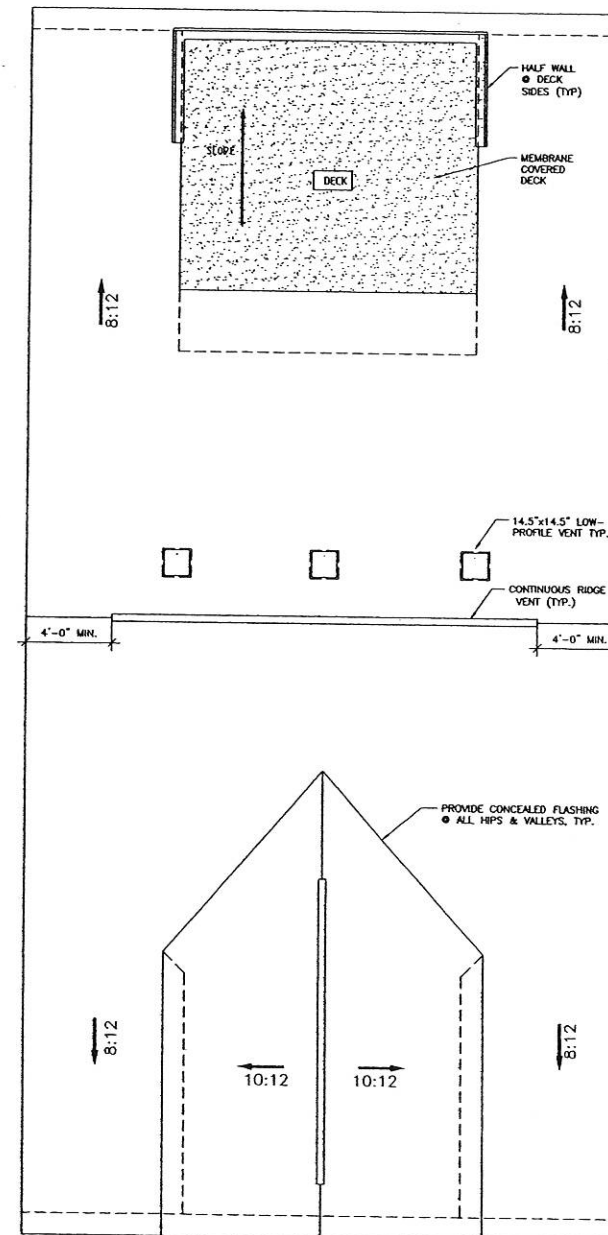
1. AREA: 1,680 SQ FT / 150 = 11.2 SQ FT
2. REQUIRED VENT AREA: 8.33 x 144 = 1,213 SQ. INCHES
3. RIDGE VENTS PROVIDED: 15.5 LALFT. @ 18"/FT = 276 SQ INCHES
4. SOFFIT VENTING PROVIDED: 130 LALFT. @ 9"/FT = 1,170 SQ INCHES
5. LOW PROFILE ROOF VENTS: (2) @ 9.50" x 9.50" = 180 SQ INCHES
6. TOTAL VENT AREA PROVIDED: 1,626 SQ. INCHES SUPPLIED

-B- UNIT ATTIC VENTILATION CALCULATION

1. AREA: 1,325 SQ FT / 150 = 8.83 SQ FT
2. REQUIRED VENT AREA: 8.33 x 144 = 1,212 SQ. INCHES
3. RIDGE VENTS PROVIDED: 28 LALFT. @ 18"/FT = 504 SQ INCHES
4. SOFFIT VENTING PROVIDED: 42 LALFT. @ 9"/FT = 378 SQ INCHES
5. LOW PROFILE ROOF VENTS: (3) @ 14.5" x 14.5" = 636 SQ. INCHES
6. TOTAL VENT AREA PROVIDED: 1,518 SQ. INCHES SUPPLIED



03 ROOF PLAN - © END UNIT -C-



02 ROOF PLAN - © UNIT -B-

NOT USED

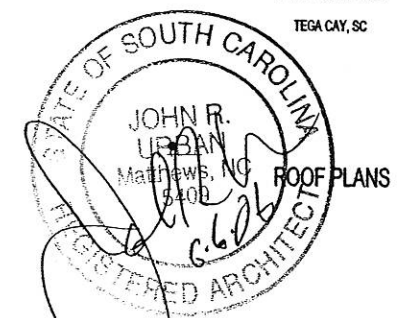


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LAKE SHORE TOWN HOMES
 TEGA CAY, SC



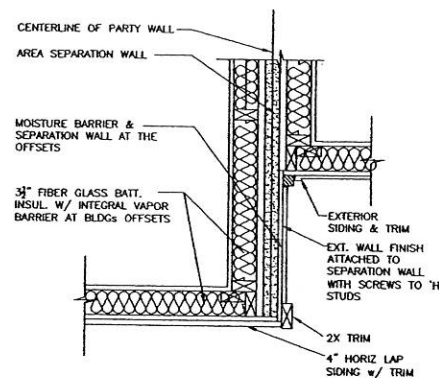
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DATE:	5 JUNE 2006

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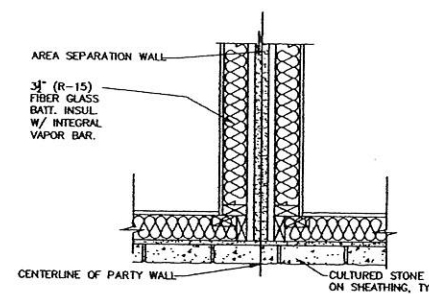


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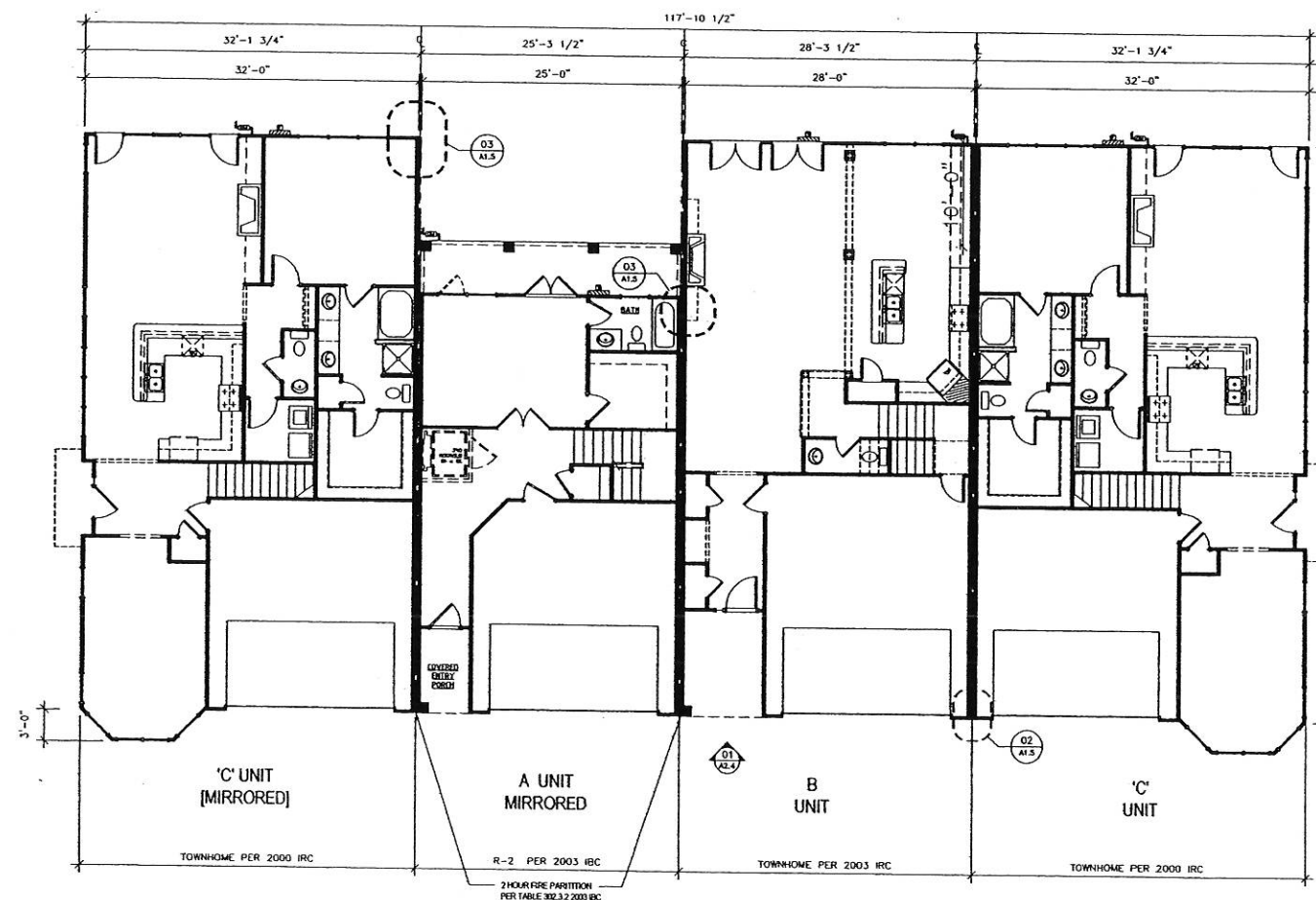
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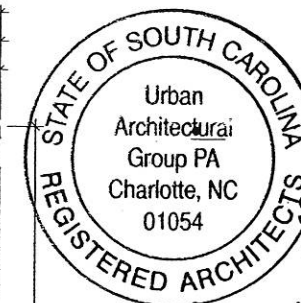
03 TYP. SEP. WALL @ REAR FACE
 SCALE: 1" = 1'-0" (1/2" = 1'-0" if on 11x17)



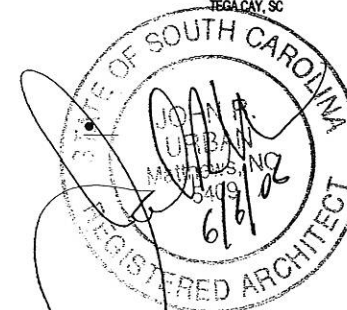
02 TYP. SEP. WALL @ FLUSH FACE
 SCALE: 1" = 1'-0" (1/2" = 1'-0" if on 11x17)



01 4 - UNIT COMBO FLOOR PLANS
 SCALE: 1/8" = 1'-0" (1/16" = 1'-0" if on 11x17)



LAKE SHORE TOWN HOMES
 TEGA CAY, SC



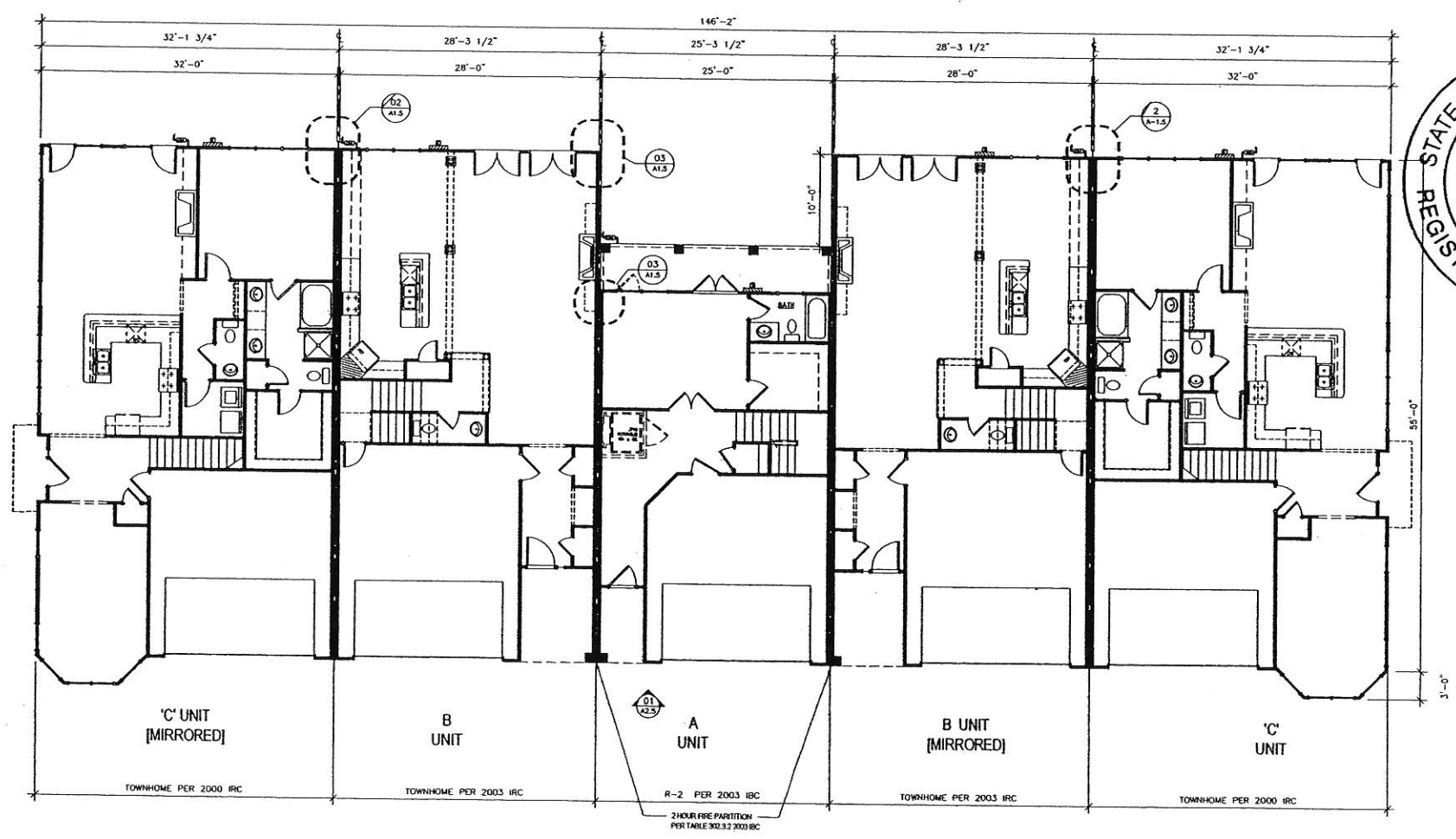
DATE SHOWN	5 JUNE 2006
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	5 JUNE 2006

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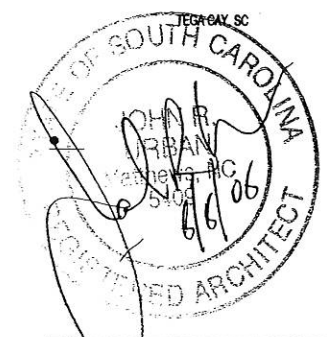


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LAKE SHORE TOWN HOMES



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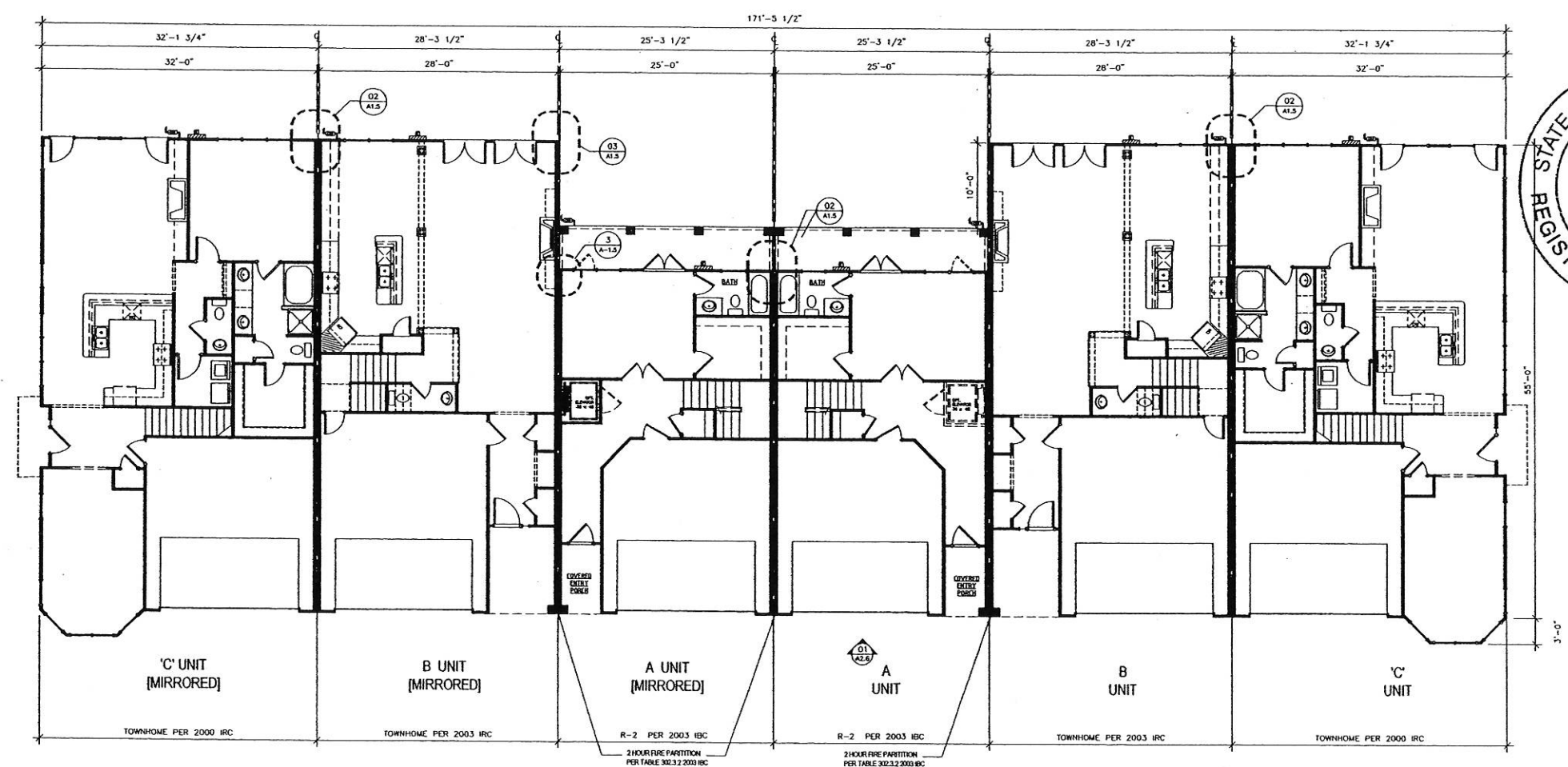
01 5 - UNIT COMBO FLOOR PLANS
 SCALE: 1/8" = 1'-0" (1/16" = 1'-0" @ 11x17")

A1.6



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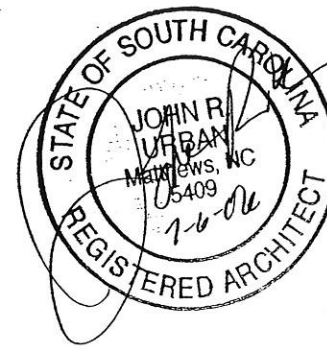
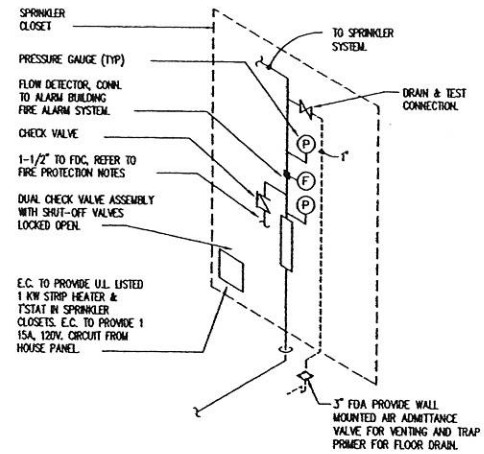


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01 6 - UNIT COMBO FLOOR PLANS

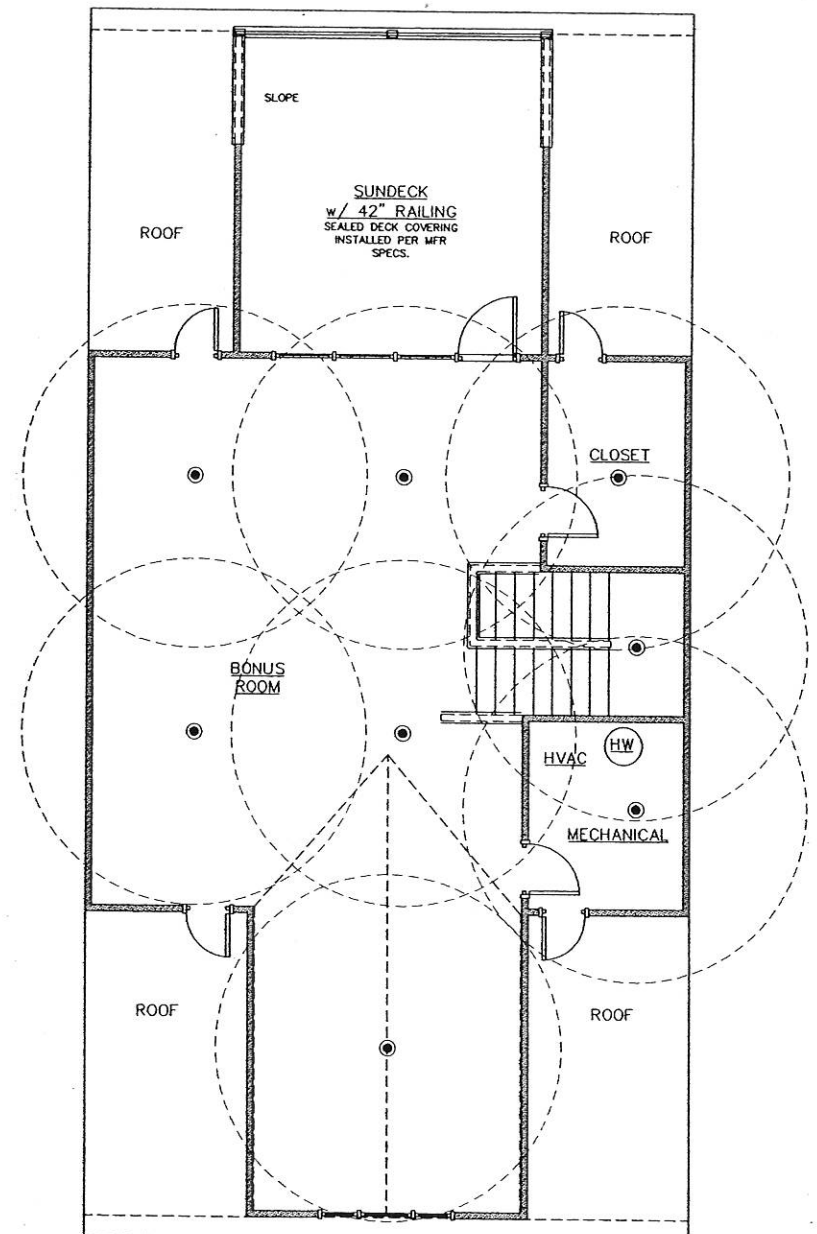
A1.7

- FIRE PROTECTION GENERAL NOTES**
- THE FIRE PROTECTION OF THIS BUILDING SHALL BE IN ACCORDANCE WITH STATE AND LOCAL CODES AND SHALL CONFORM TO NFPA LIST GENERAL REQUIREMENTS AND IN FULL COMPLIANCE WITH LOCAL AMENDMENTS AND COUNTY FIRE MARSHAL.
 - THE CONTRACTOR SHALL PRODUCE SHOP DRAWINGS OF A LUB SYSTEM SHOWING COORDINATION WITH ALL STRUCTURAL AND HVAC COMPONENTS.
 - THE CONTRACTOR SHALL PRODUCE HIS OWN HYDRAULICALLY DESIGNED SYSTEM FOR REVIEW AND APPROVAL BY THE LOCAL FIRE MARSHALS OFFICE AND ARCHITECT FOR USE ON THIS PROJECT.
 - SPRINKLER SYSTEM DESIGN SHALL BE BASED ON THE FOLLOWING CRITERIA:
 - SPACING OF HEADS: 16'-0" PONDANT
 - TYPE OF PIPE: GREY POLYETHYLENE "BLAZEMASTER", OR APPROVED EQUAL
 - TYPE OF FASTENING OF PIPE: HEAT FUSION
 - TYPE OF BACKFLOW PREVENTION: DUAL CHECK VALVE
 - SIZE OF MAIN LINE AT STREET: REFER TO CIVIL DRAWINGS
 - SIZE OF BRANCH LINES: 1/2"
 - TYPE AND DEGREE OF HEADS USED: RESIDENTIAL, WHITE PERGWAIT WITH WHITE ESCUTCHION PLATES, 165' F. RATED OR EQUAL
 - FLOW VERIFICATION SHALL BE PERFORMED BY THE CONTRACTOR PRIOR TO CALLING FIRE MARSHALS OFFICE FOR APPROVEMENT FOR INSPECTORS FLOW TEST
 - HEAD SPACING CRITERIA SHALL BE AS FOLLOWS:
 - NO MORE THAN 8'-0" OFF WALL
 - NO LESS THAN 8'-0" APART
 - NO MORE THAN 16'-0" APART
 - NO LESS THAN 1'-6" FROM THE RANGE FOOTPRINT
 - NO LESS THAN 7'-0" IN FRONT OF OR 3'-0" TO THE SIDE OF A RECESSED PENDANT.
 - FOR WATER FLOW DATA SEE CIVIL PLANS.
 - FIRE DEPARTMENT CONNECTION TO BE BRASS OR AS ALLOWED BY LOCAL AUTHORITY HAVING JURISDICTION.

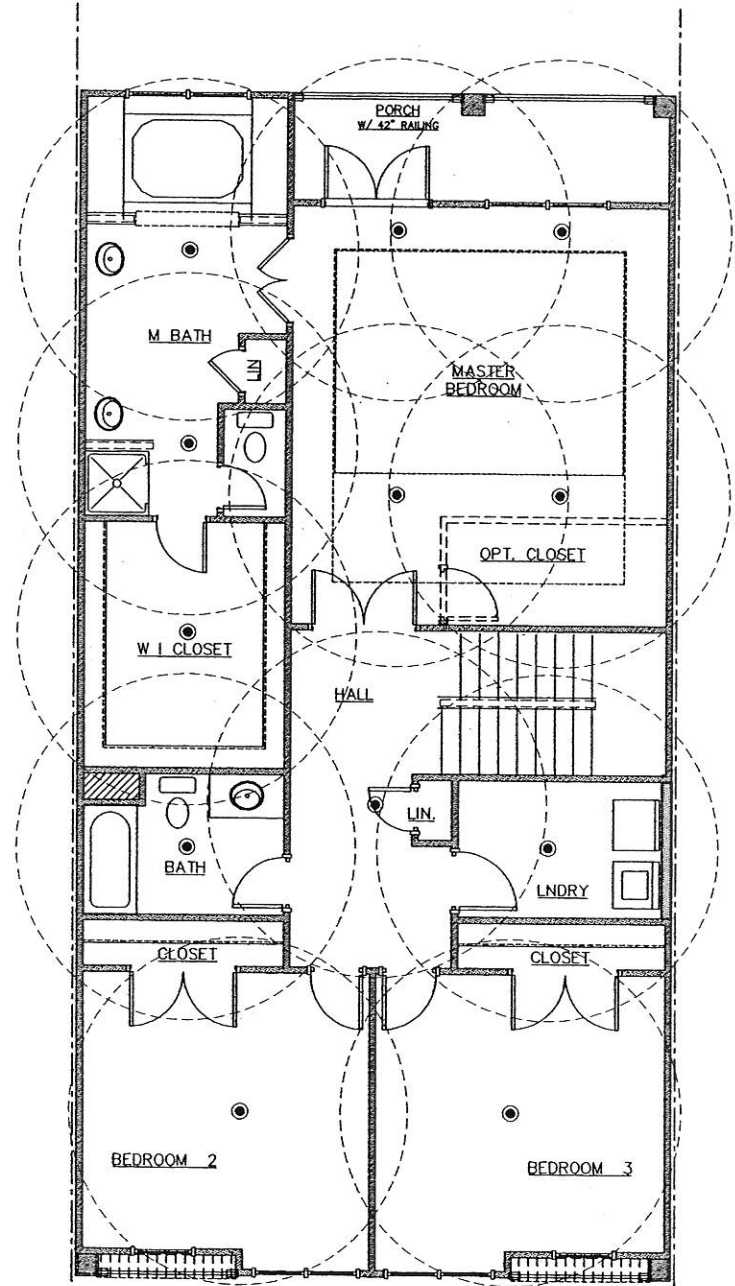


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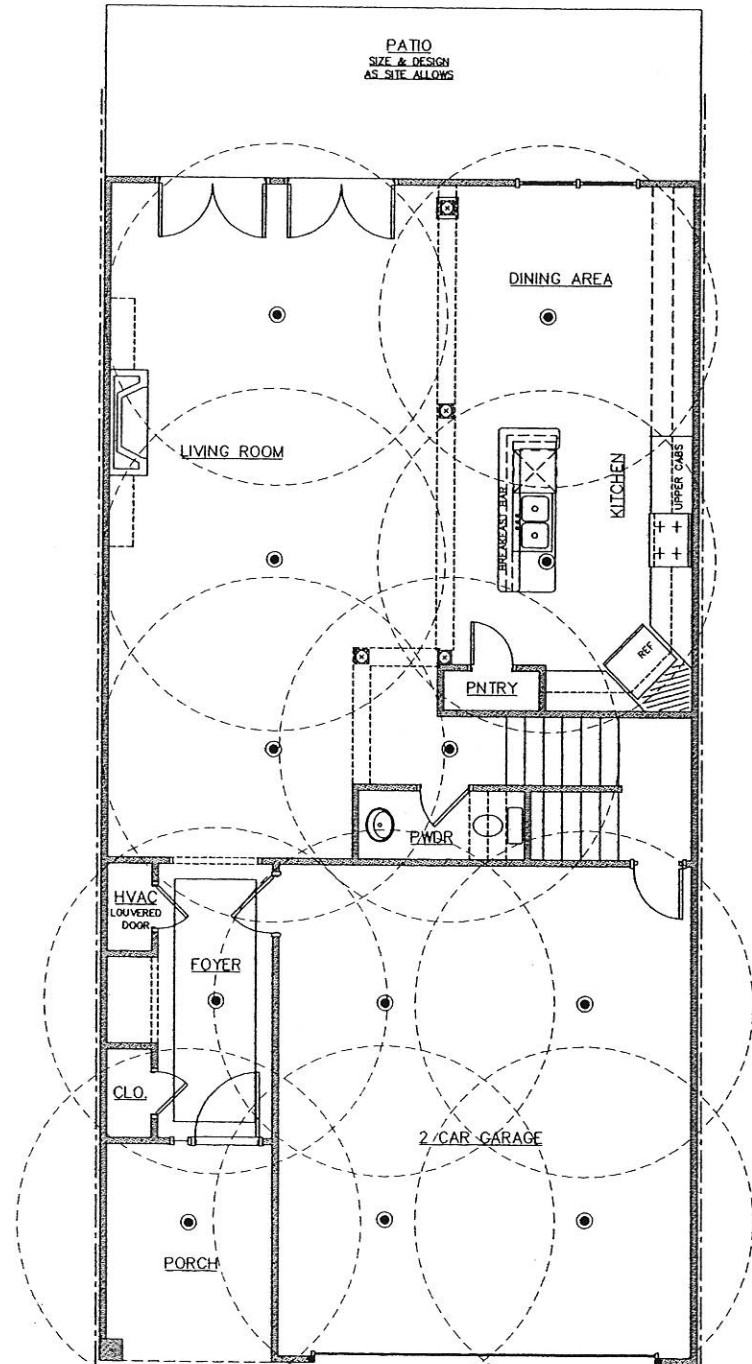
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FLOOR PLAN - Third Floor Sprinkler Schematic



FLOOR PLAN - Second Floor Sprinkler Schematic



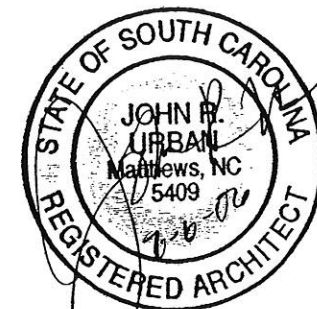
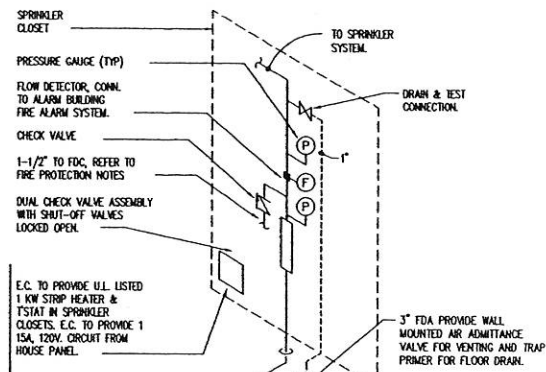
FLOOR PLAN - First Floor Sprinkler Schematic

LAKE SHORE TOWN HOMES
TEGA CAY, SC

UNIT -B-

DATE DRAWN	5 JUNE 2006
PROJECT NO.	2530
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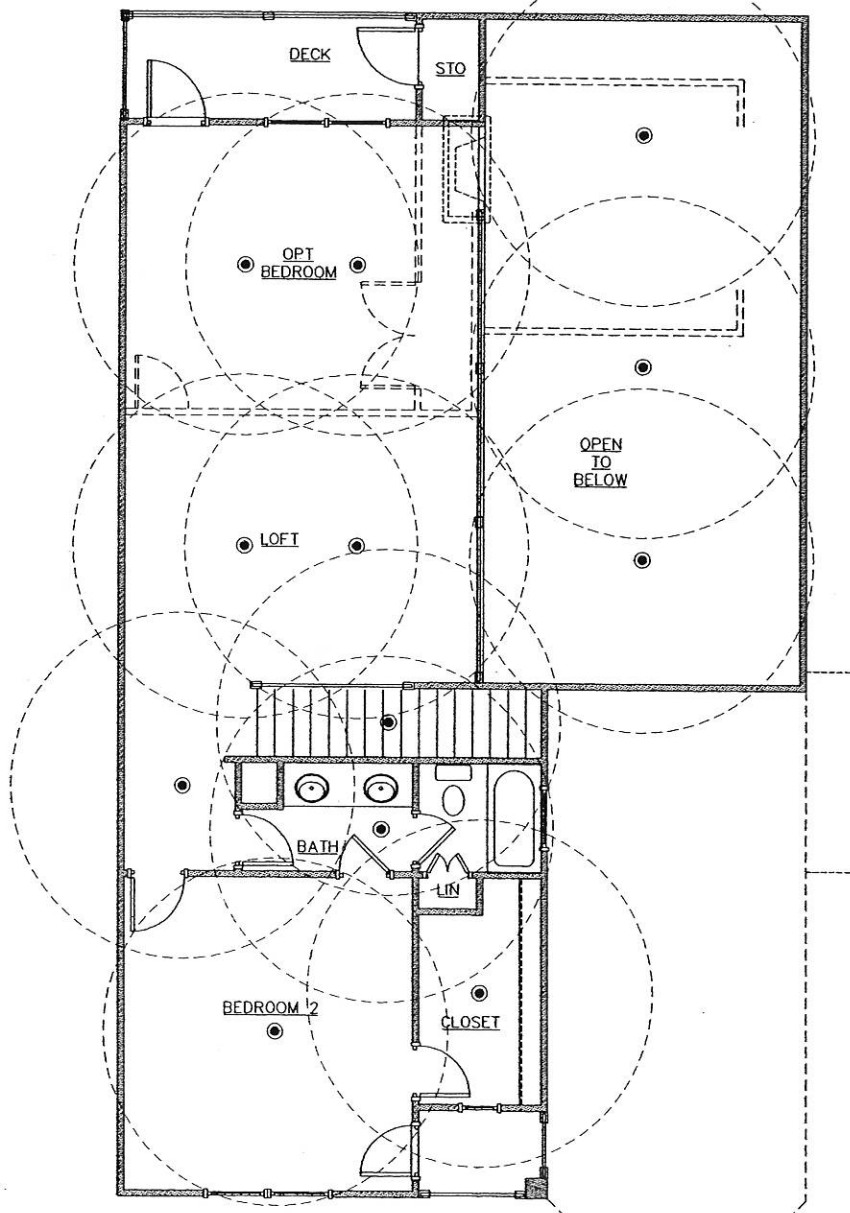
- FIRE PROTECTION GENERAL NOTES**
- THE FIRE PROTECTION OF THIS BUILDING SHALL BE IN ACCORDANCE WITH STATE AND LOCAL CODES AND SHALL CONFORM TO NFPA 13B GENERAL REQUIREMENTS AND IN FULL COMPLIANCE WITH LOCAL AMENDMENTS AND COUNTY FIRE MARSHAL.
 - THE CONTRACTOR SHALL PRODUCE SHOP DRAWINGS OF A LSR SYSTEM SHOWING COORDINATION WITH ALL STRUCTURAL AND HVAC COMPONENTS.
 - THE CONTRACTOR SHALL PRODUCE HIS OWN HYDRAULICALLY DESIGNED SYSTEM FOR REVIEW AND APPROVAL BY THE LOCAL FIRE MARSHALS OFFICE AND ARCHITECT FOR USE ON THIS PROJECT.
 - SPRINKLER SYSTEM DESIGN SHALL BE BASED ON THE FOLLOWING CRITERIA:
 - SPACING OF HEADS: 16'-0" PENDING
 - TYPE OF PIPE: GREY POLYBUTYLENE, "BLAZEMASTER", OR APPROVED EQUAL
 - TYPE OF FASING OF PIPE: HEAT FUSION
 - TYPE OF BACKFLOW PREVENTION: TDM, CHECK VALVE
 - SIZE OF MAIN LINE AT STREET: REFER TO CIVIL DRAWINGS
 - SIZE OF BRANCH LINES: 3/4"
 - TYPE AND DEGREE OF HEADS USED: RESIDENTIAL WHITE PENDANT WITH WHITE ESCUTCHEON PLATES, 155' F, RATED OR EQUAL
 - FLOW VERIFICATION SHALL BE PERFORMED BY THE CONTRACTOR PRIOR TO CALLING FIRE MARSHALS OFFICE FOR APPOINTMENT FOR INSPECTORS FLOW TEST.
 - HEAD SPACING CRITERIA SHALL BE AS FOLLOWS:
 - NO MORE THAN 8'-0" OFF WALL
 - NO LESS THAN 4'-0" APART
 - NO MORE THAN 16'-0" APART
 - NO LESS THAN 1'-0" FROM THE RANGE FOOTPRINT
 - NO LESS THAN 1'-0" IN FRONT OF OR 3'-0" TO THE SIDE OF A RECESSED FIREPLACE.
 - FOR WATER FLOW DATA SEE CIVIL PLANS.
 - FIRE DEPARTMENT CONNECTION TO BE BRASS OR AS ALLOWED BY LOCAL AUTHORITY HAVING JURISDICTION.



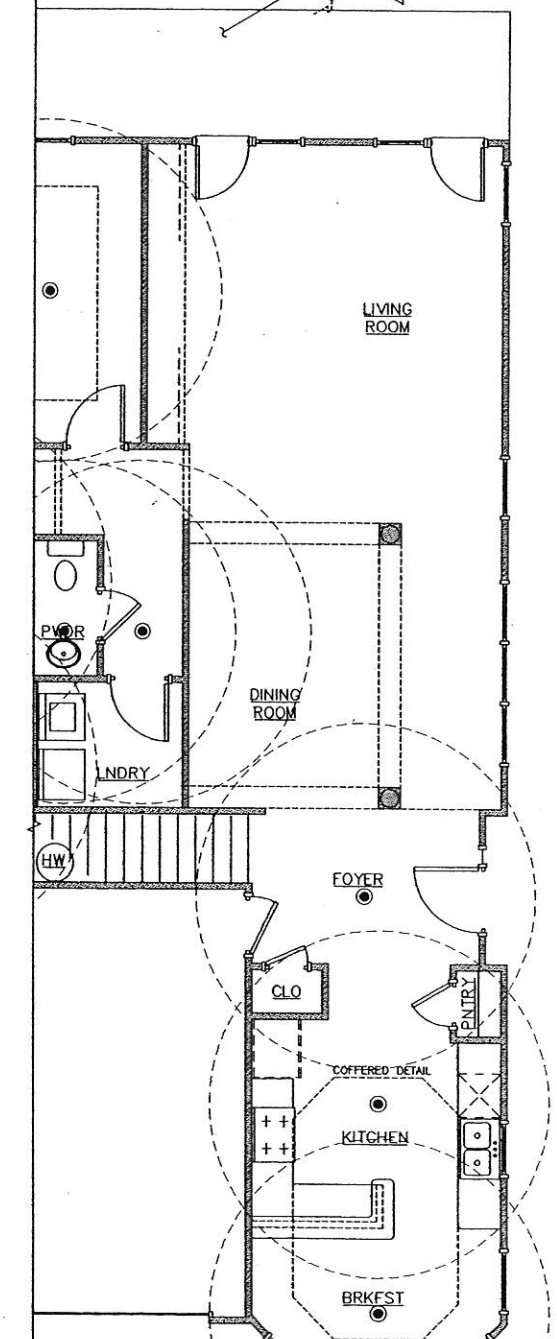
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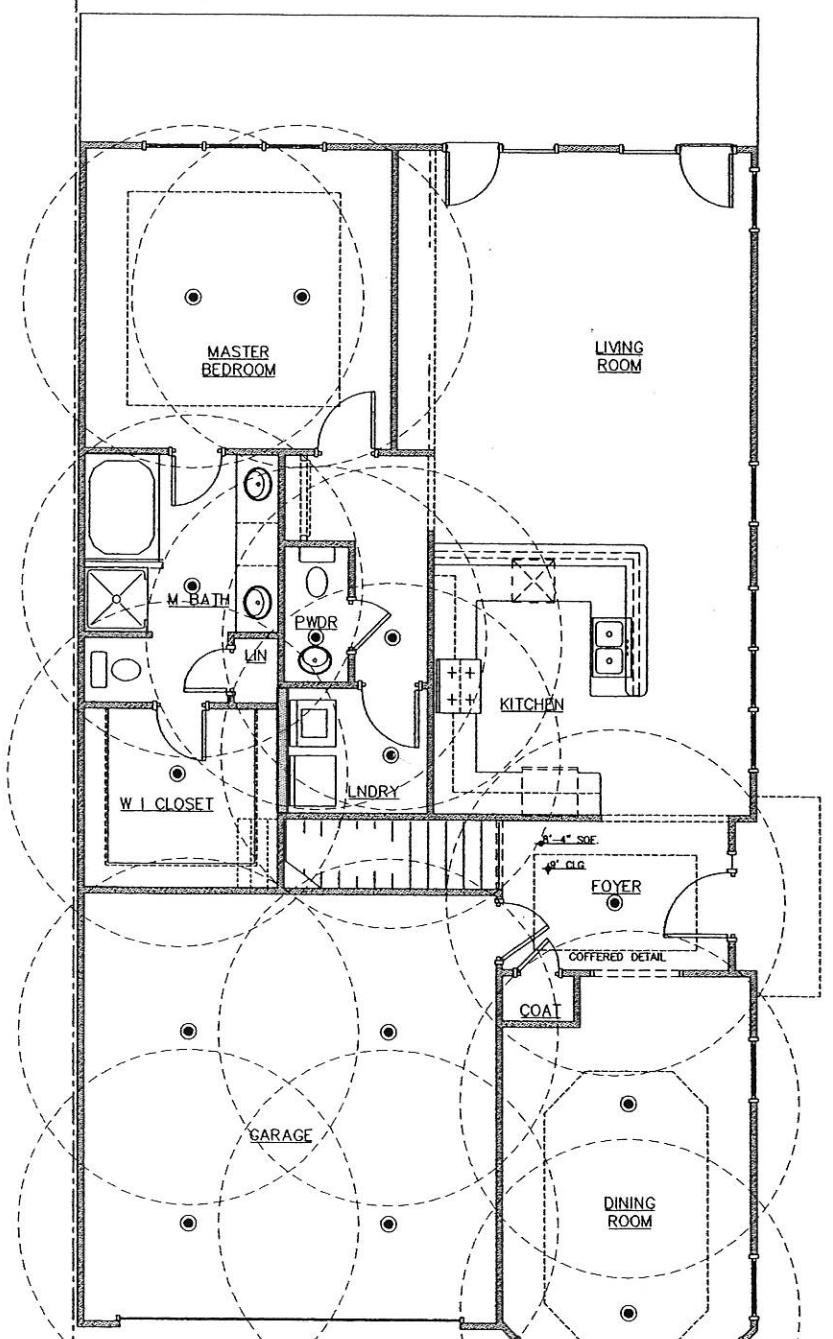
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03 FLOOR PLAN - Third Floor Sprinkler Schematic



02 FLOOR PLAN - Second Floor Sprinkler Schematic



01 FLOOR PLAN - First Floor Sprinkler Schematic

LAKE SHORE TOWN HOMES
TEGA CAY, SC

UNIT -C-

DATE DRAWN:	5 JUNE 2006
PROJECT NO.:	2530
ISSUED FOR:	PERMIT & CONSTRUCTION
DATE:	5 JUNE 2006
Permit Revisions:	07/06/06

A1.9

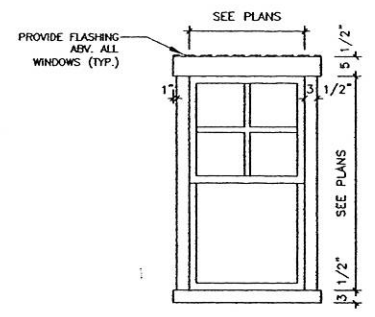


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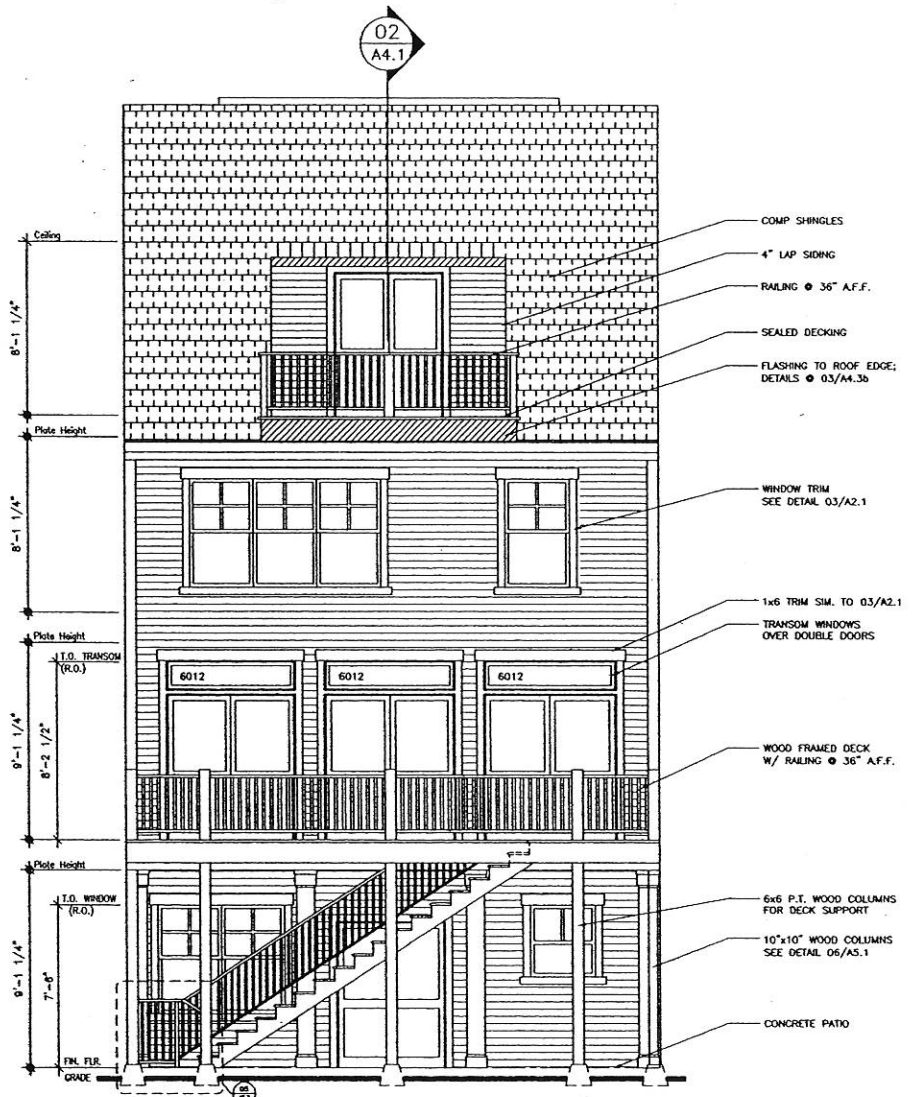
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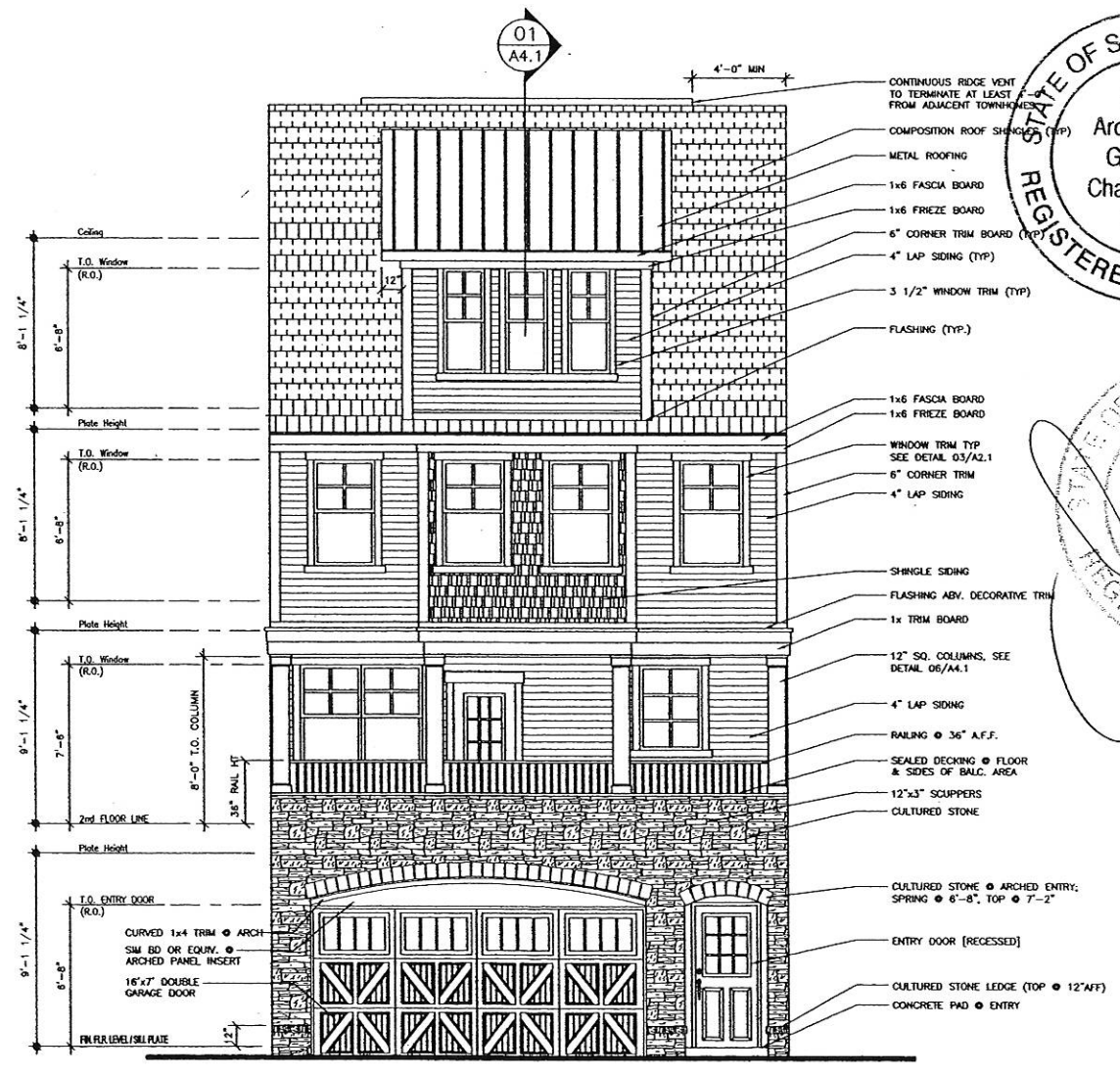
- GENERAL NOTES:**
- EXTERIOR WALLS SHALL BE INSULATED w/ BATT INSULATION w/ VAPOR RESISTANT BARRIER ATTACHED TO BATT OR INSTALLED SEPARATELY.
 - PUT VAPOR BARRIER ON HEATED SIDE OF WALL OR USE KRAFT-FACED INSULATION.
 - REFER TO TRUSS SHOP DRAWINGS FOR ORIENTATION AND LAYOUT.
 - REFER TO SHEET A4.1, A4.2, A4.3, A4.4 FOR BALCONY & DECK DETAILS.
 - USE HARDIE SIDING PRODUCTS FOR SIDING, TRIM, SOFFITS, ETC. OR EQUIVALENT CEMENTITIOUS SIDING PRODUCTS.



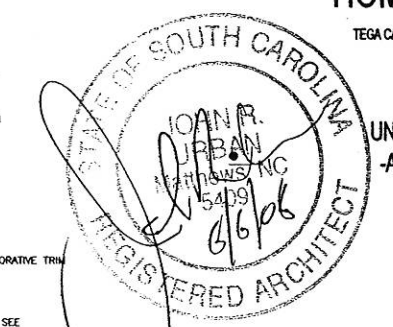
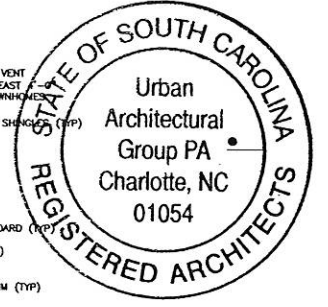
03 TYP. WINDOW TRIM DETAIL
 SCALE: 1/2" = 1'-0" (1/4" = 1'-0" @ 11x17)



REAR ELEVATION



FRONT ELEVATION



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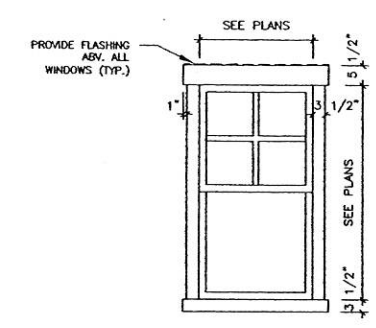
DATE DRAWN	5 JUNE 2006
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A2.1

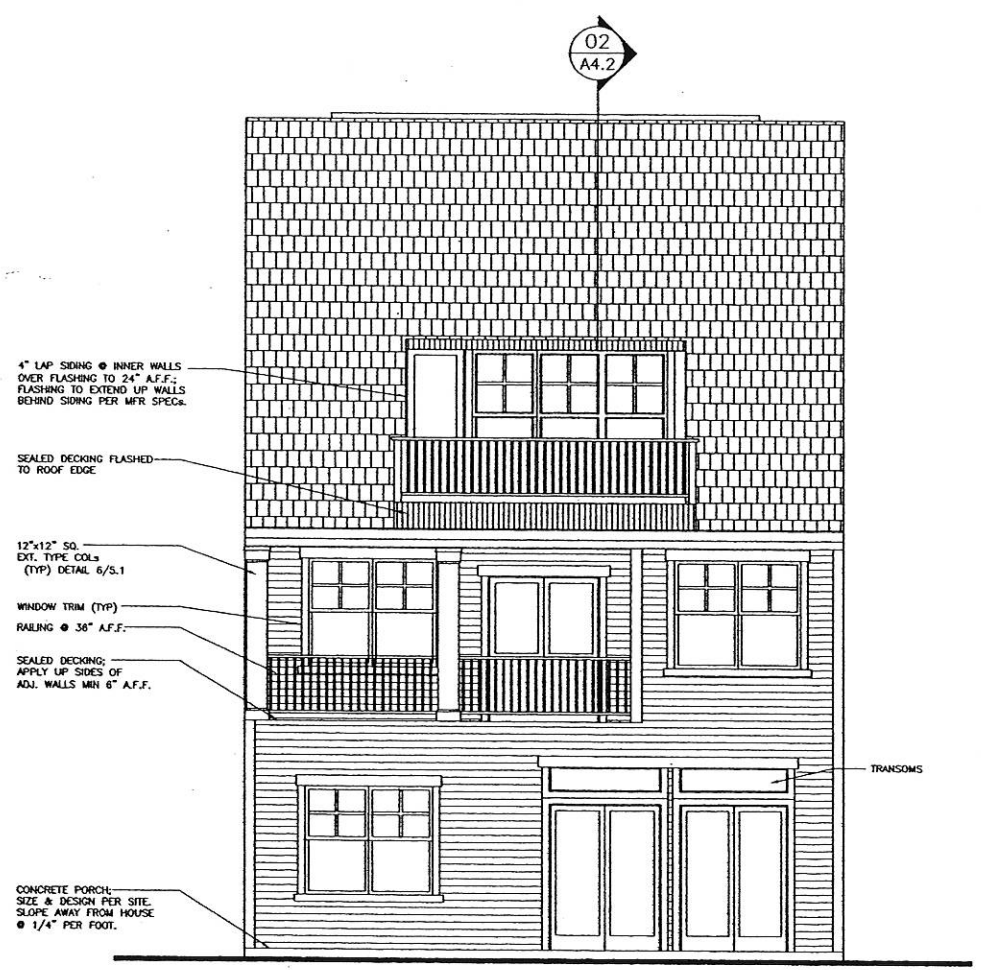


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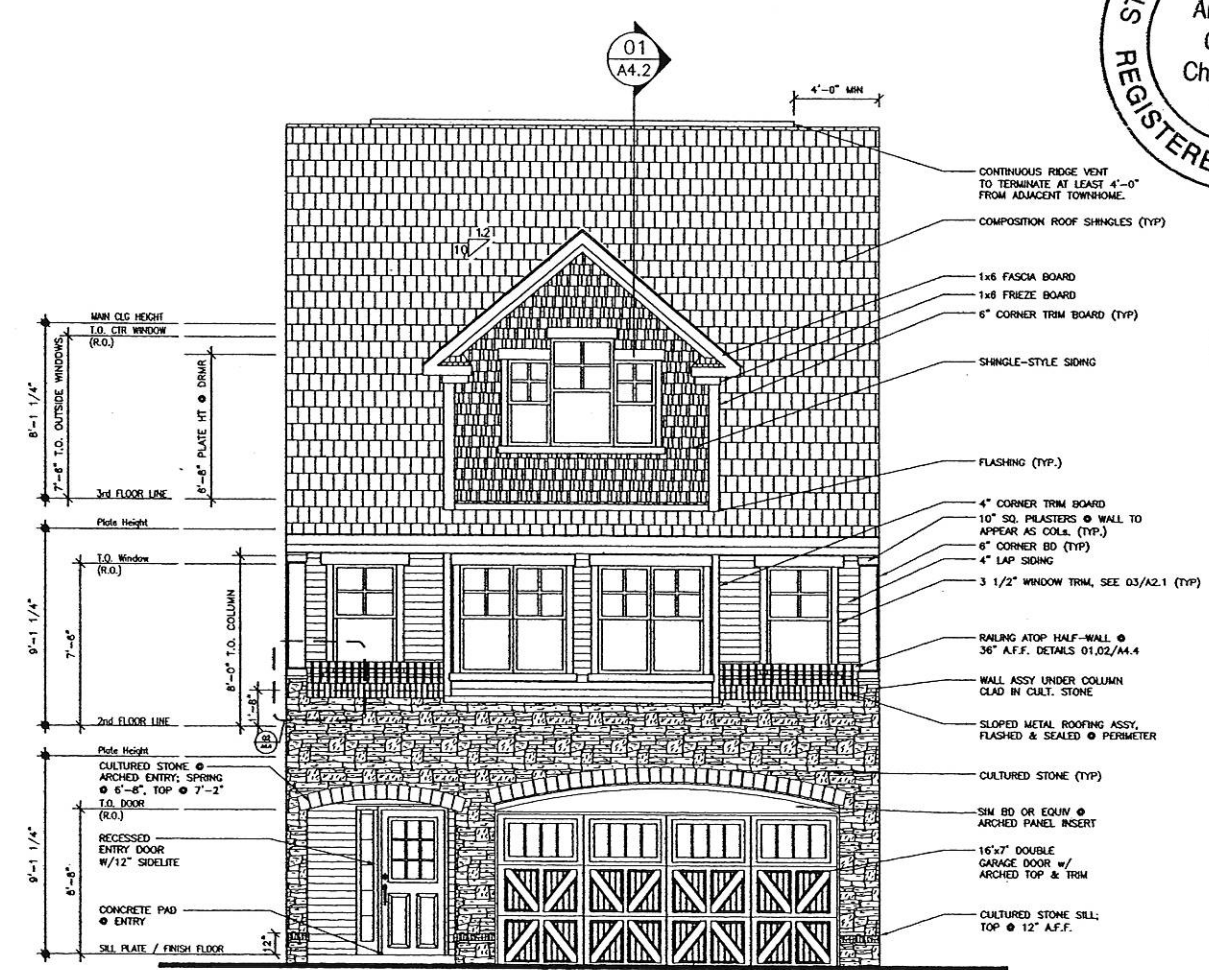
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03 TYP. WINDOW TRIM DETAIL
 SCALE: 1/2" = 1'-0" (1/4" = 1'-0" @ 11x17)



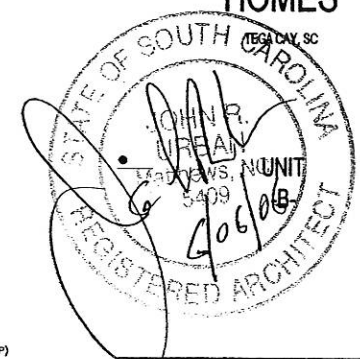
02 REAR ELEVATION
 1/4" = 1'-0" (1/8" = 1'-0" @ 11x17)



01 FRONT ELEVATION
 1/4" = 1'-0" (1/8" = 1'-0" @ 11x17)



LAKE SHORE TOWN HOMES

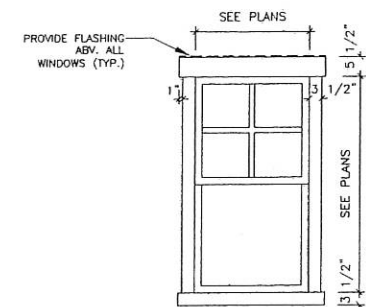


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A2.2

BUM 40

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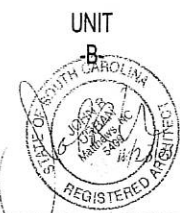


03 TYP. WINDOW TRIM DETAIL
 SCALE: 1/2" = 1'-0" (1/4" = 1'-0" IF 11x17)

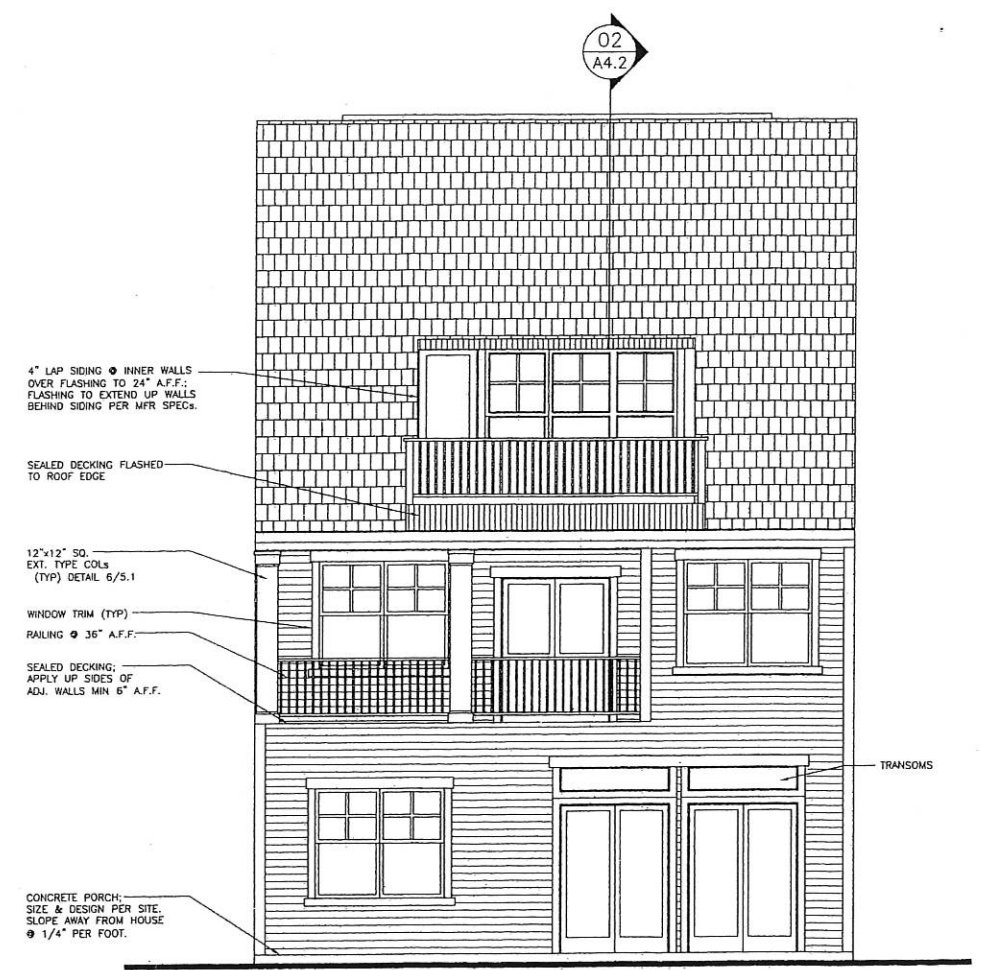


LAKE SHORE TOWN HOMES

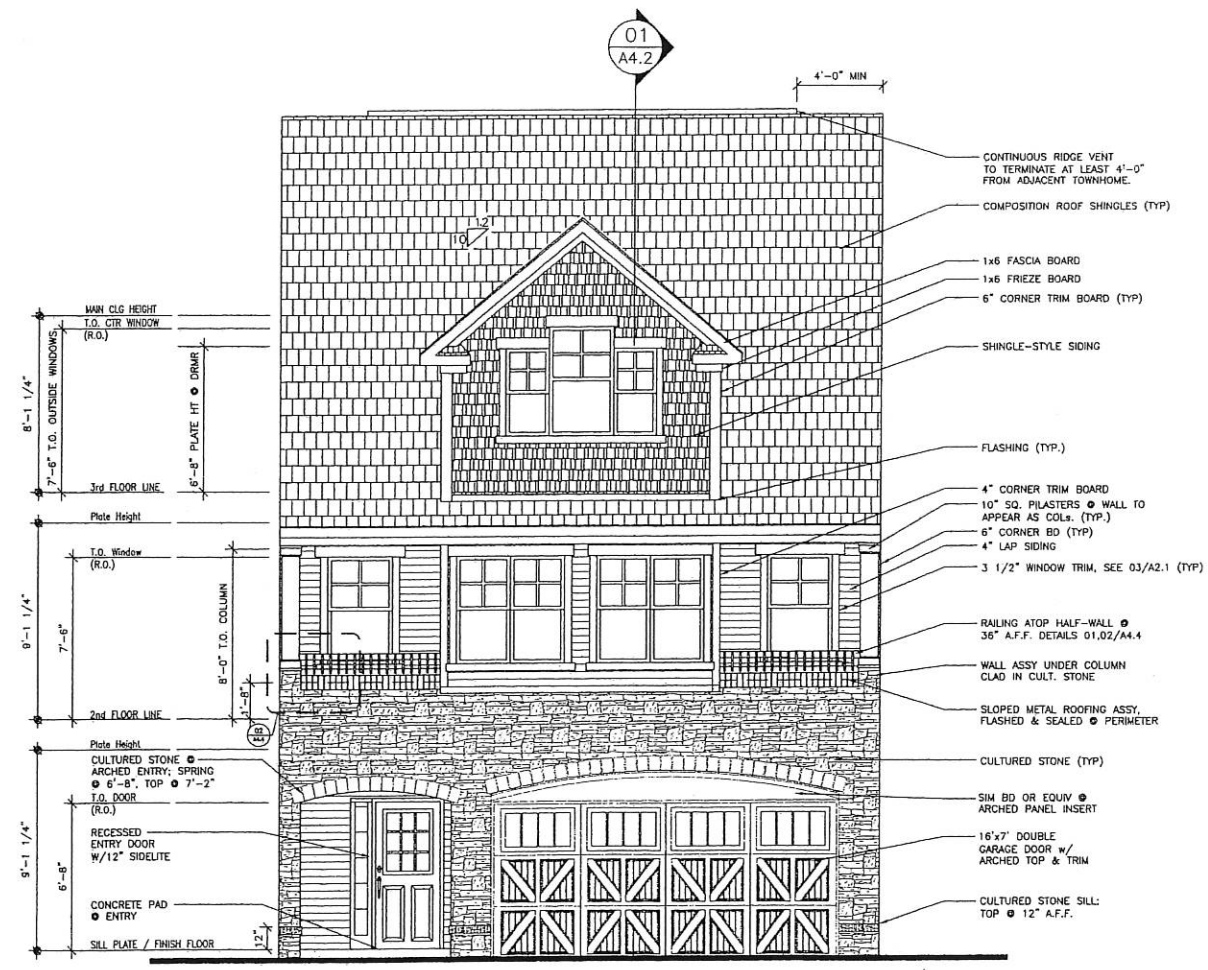
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 1 OCTOBER 2005



02 REAR ELEVATION
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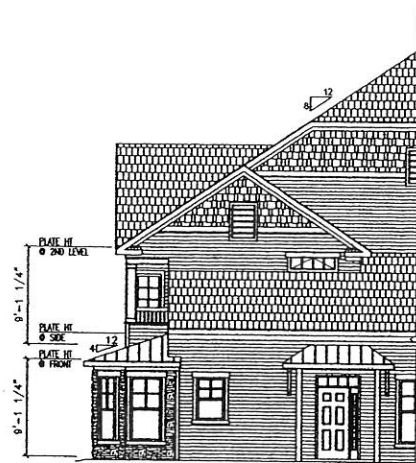
01 FRONT ELEVATION
 1/4" = 1'-0" (1/8" = 1'-0" IF 11x17)

A2.2
 UNIT -B-
 ELEVATIONS

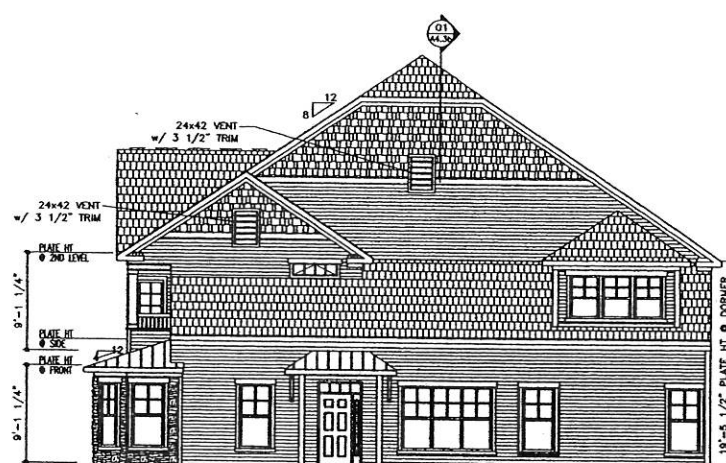


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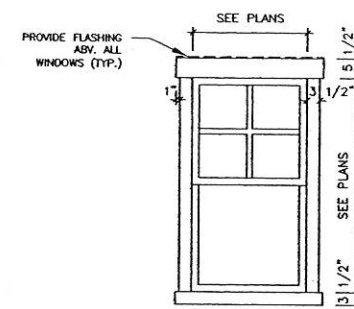
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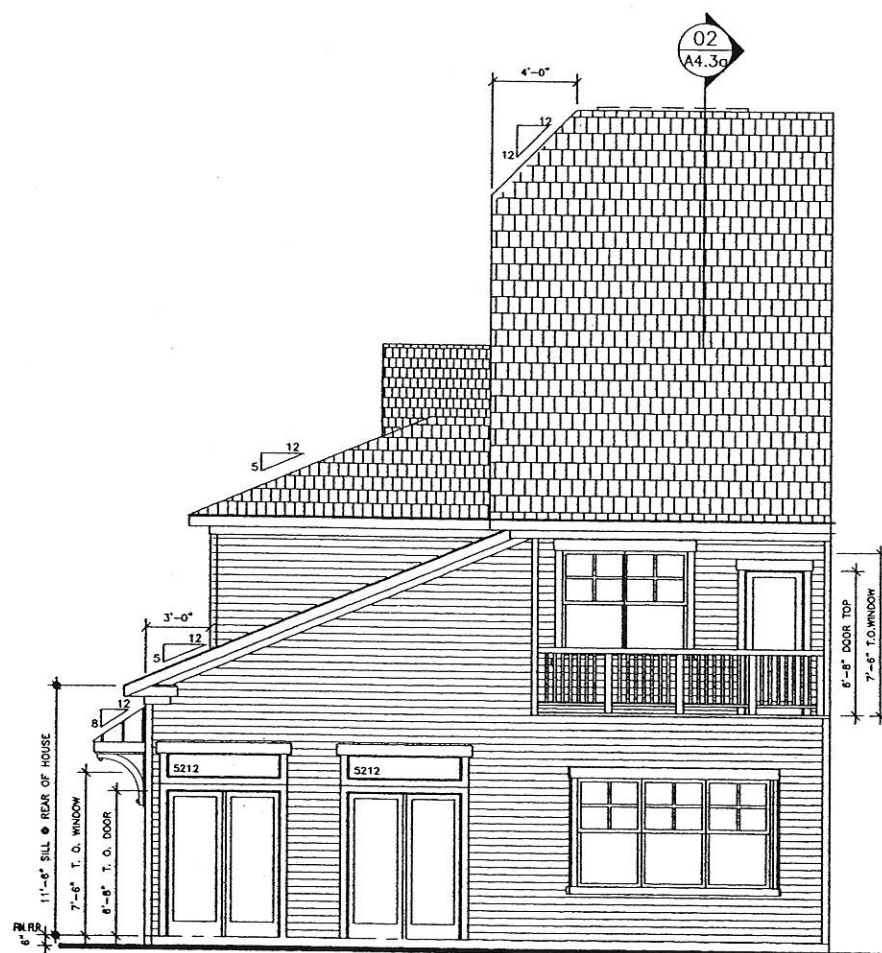
05 OPT. SIDE ELEVATION
 1/8" = 1'-0" (1/16" = 1'-0" F 11x17)



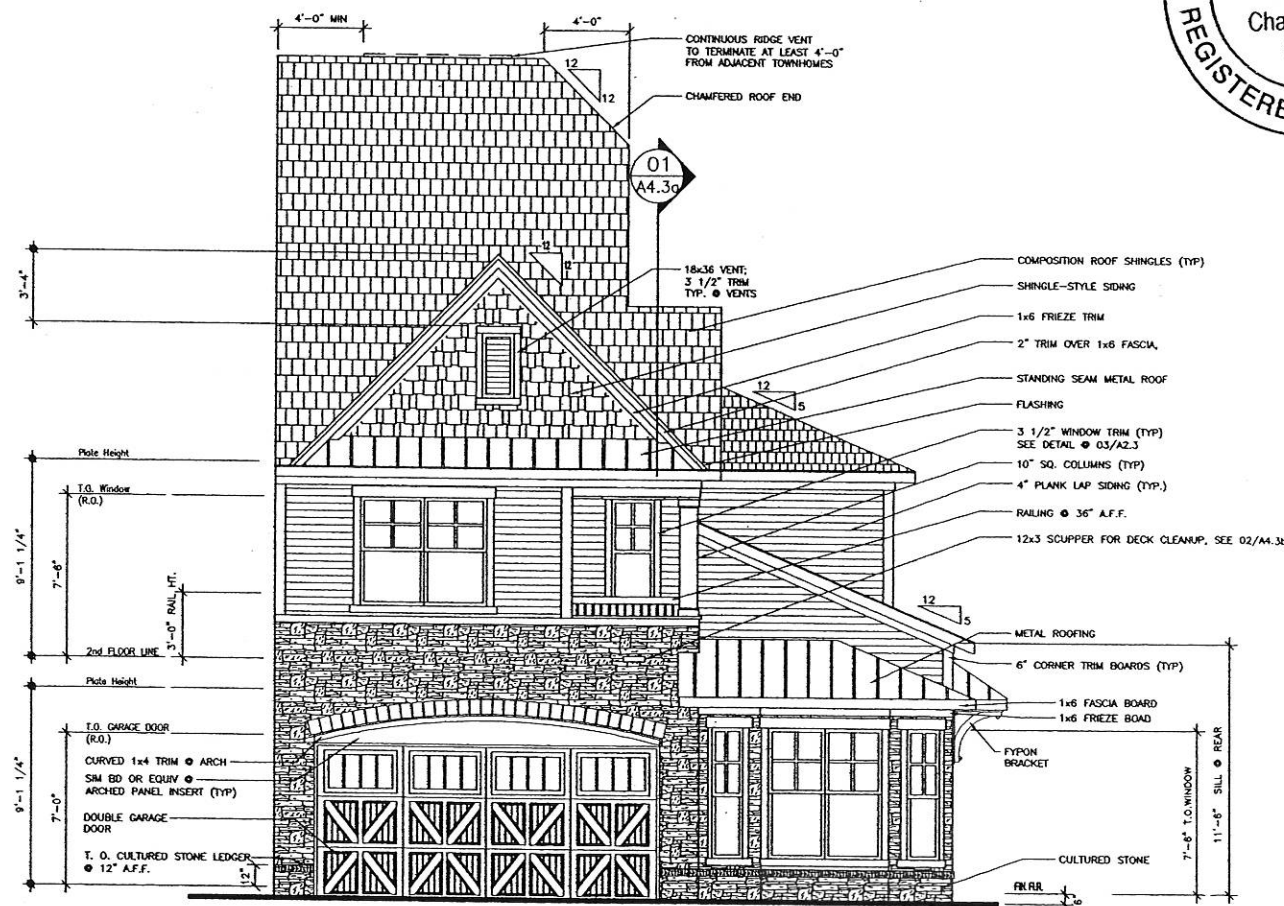
04 STD. SIDE ELEVATION
 1/8" = 1'-0" (1/16" = 1'-0" F 11x17)



03 TYP. WINDOW TRIM DETAIL
 SCALE 1/2" = 1'-0" (1/4" = 1'-0" F 11x17)



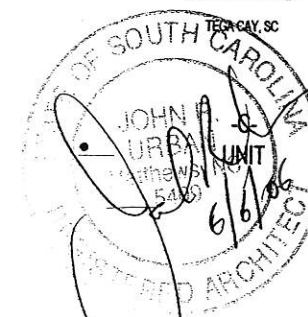
02 REAR ELEVATION
 1/4" = 1'-0" (1/8" = 1'-0" F 11x17)



01 FRONT ELEVATION
 1/4" = 1'-0" (1/8" = 1'-0" F 11x17)



LAKE SHORE TOWN HOMES



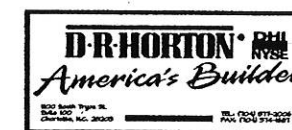
DATE ISSUED: 5 JUNE 2006
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A2.3

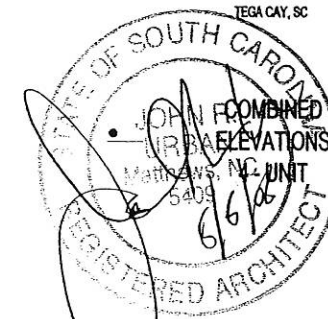


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COMBINED ELEVATIONS
5-UNIT



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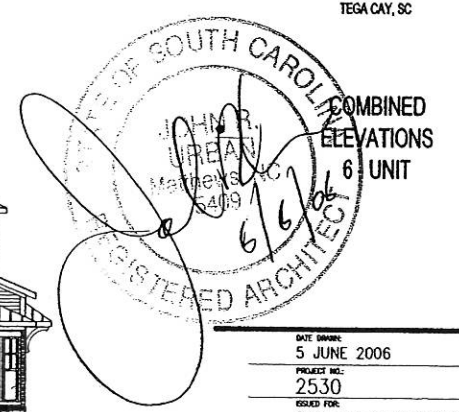


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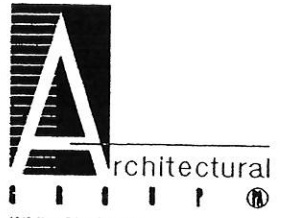
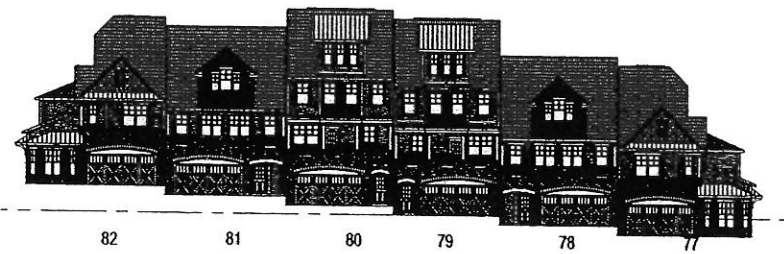
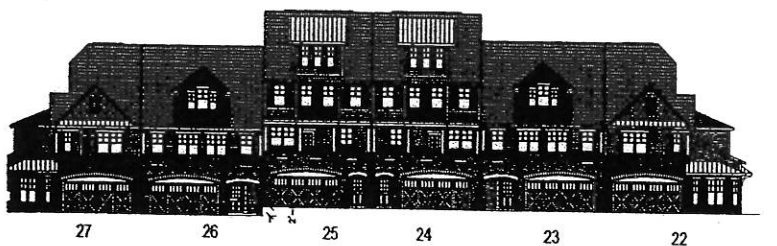
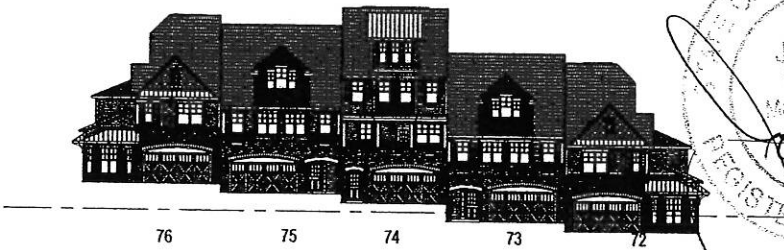
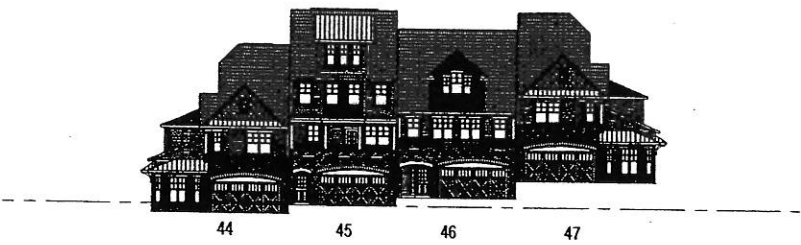
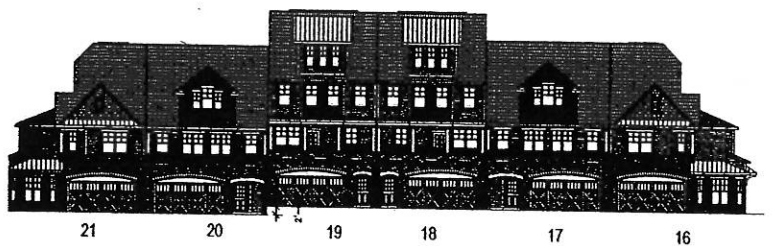
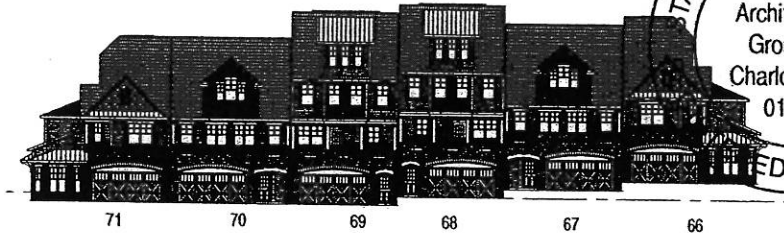
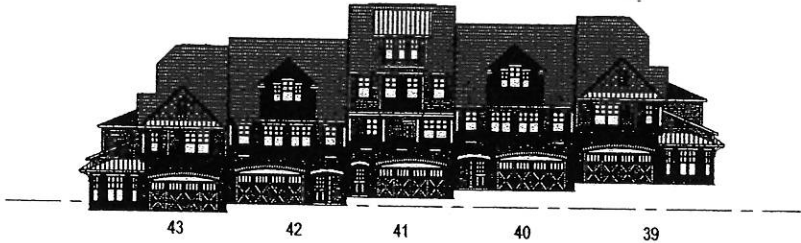
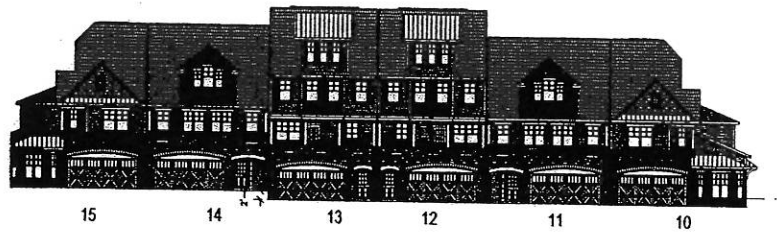
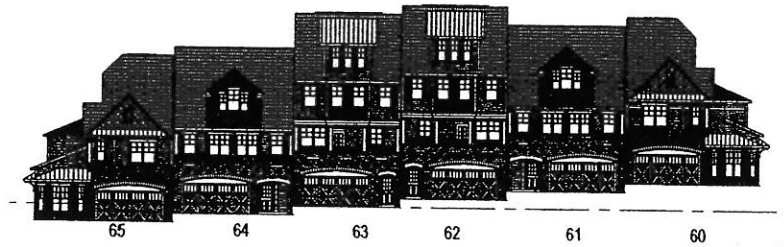
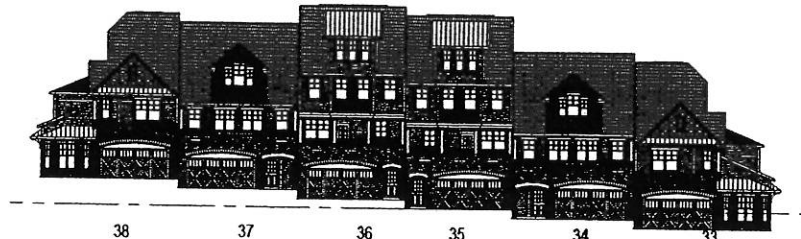
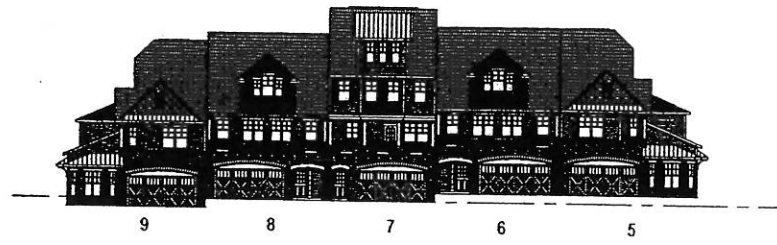
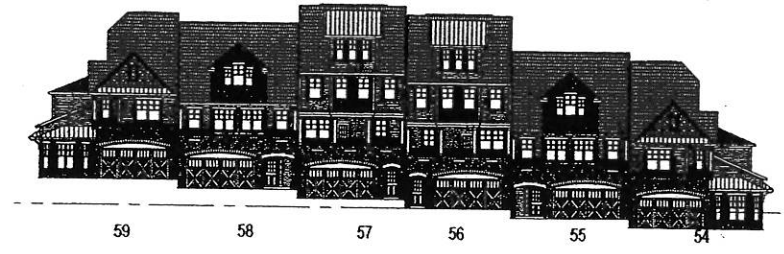
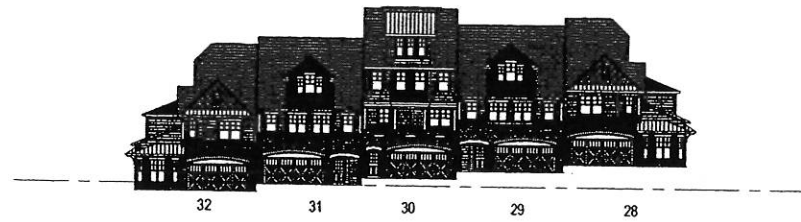
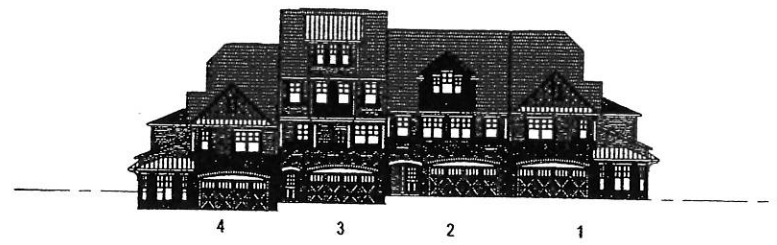


COMBINED ELEVATIONS
 6 UNIT

DATE SHOWN:	5 JUNE 2006
PROJECT NO.:	2530
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	5 JUNE 2006

01 6-UNIT COMBINED ELEVATIONS
 1/8" = 1'-0" (1/16" = 1'-0" @ 11x17)

A2.6

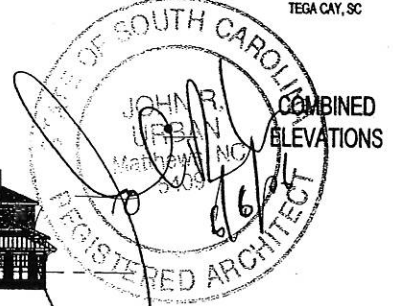


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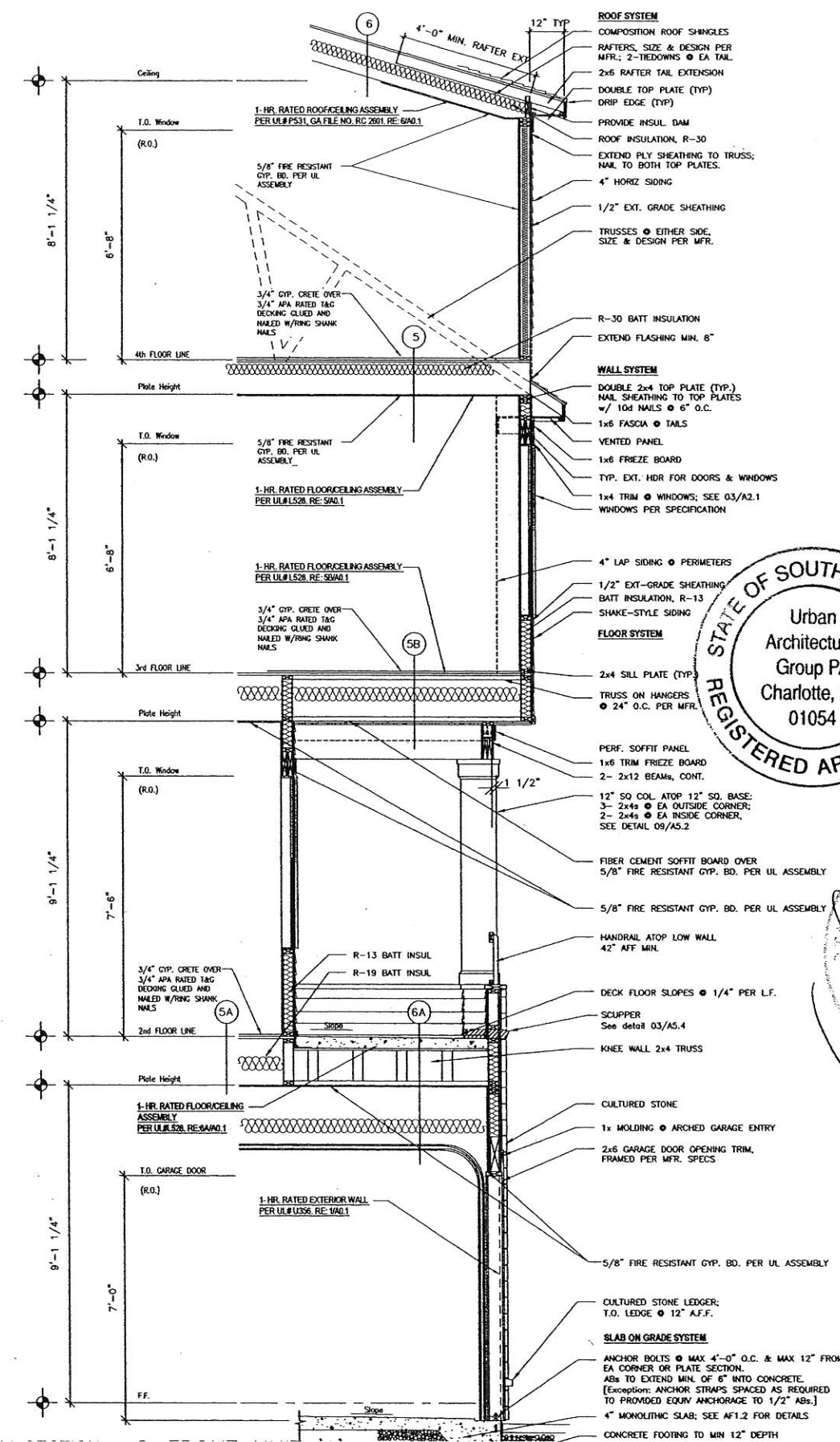
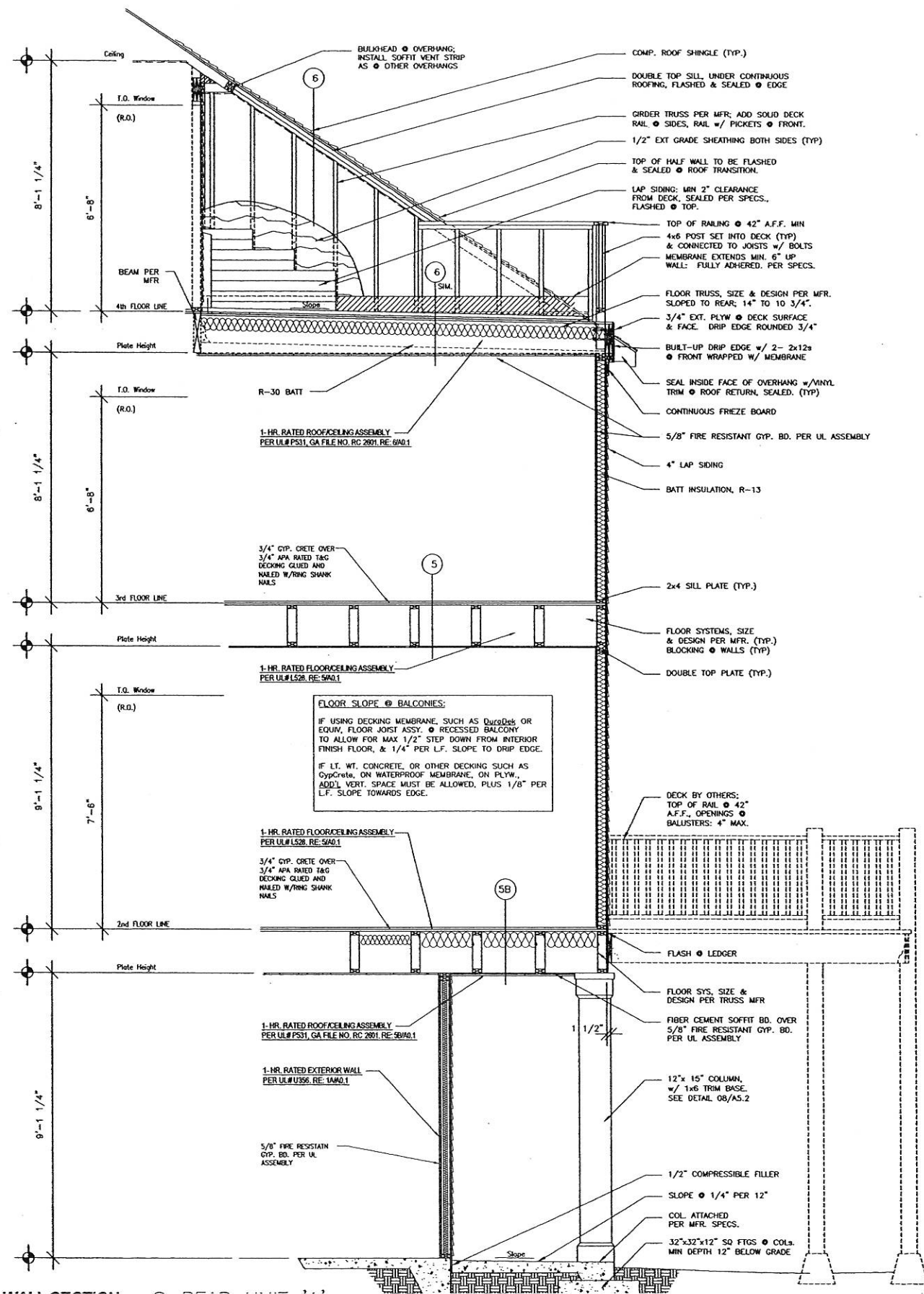


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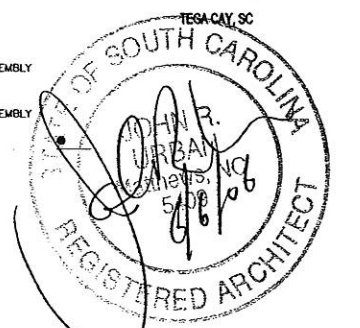
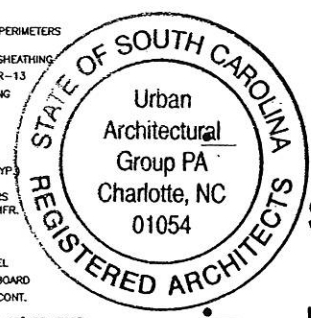


COMBINED ELEVATIONS

DATE DRAWN:	5 JUNE 2006
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ISSUED FOR:	PERMIT & CONSTRUCTION
	5 JUNE 2006
REVISED	26 October 2005

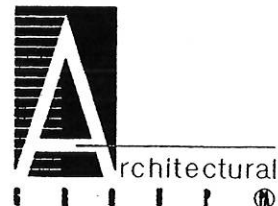


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A4.1



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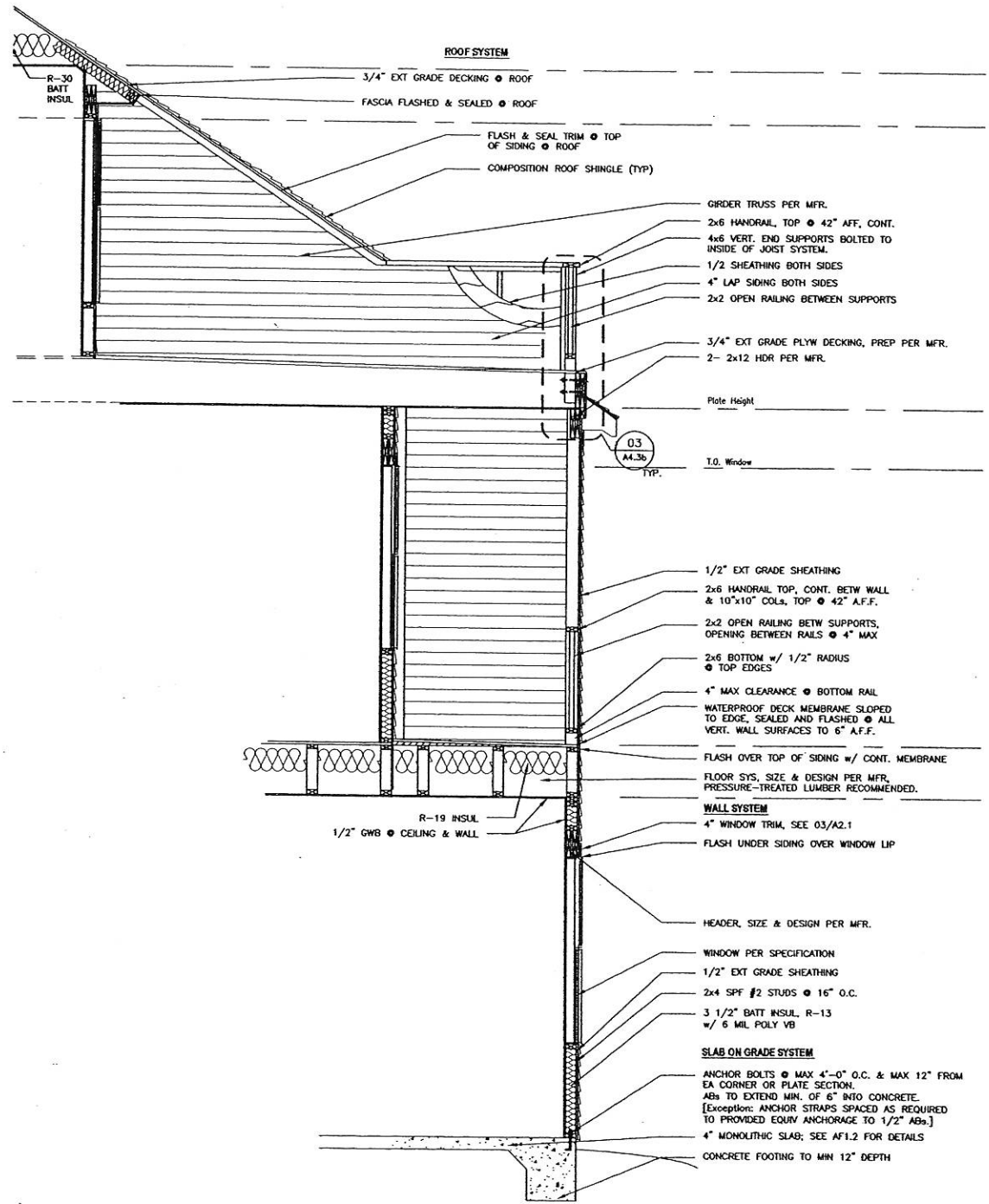
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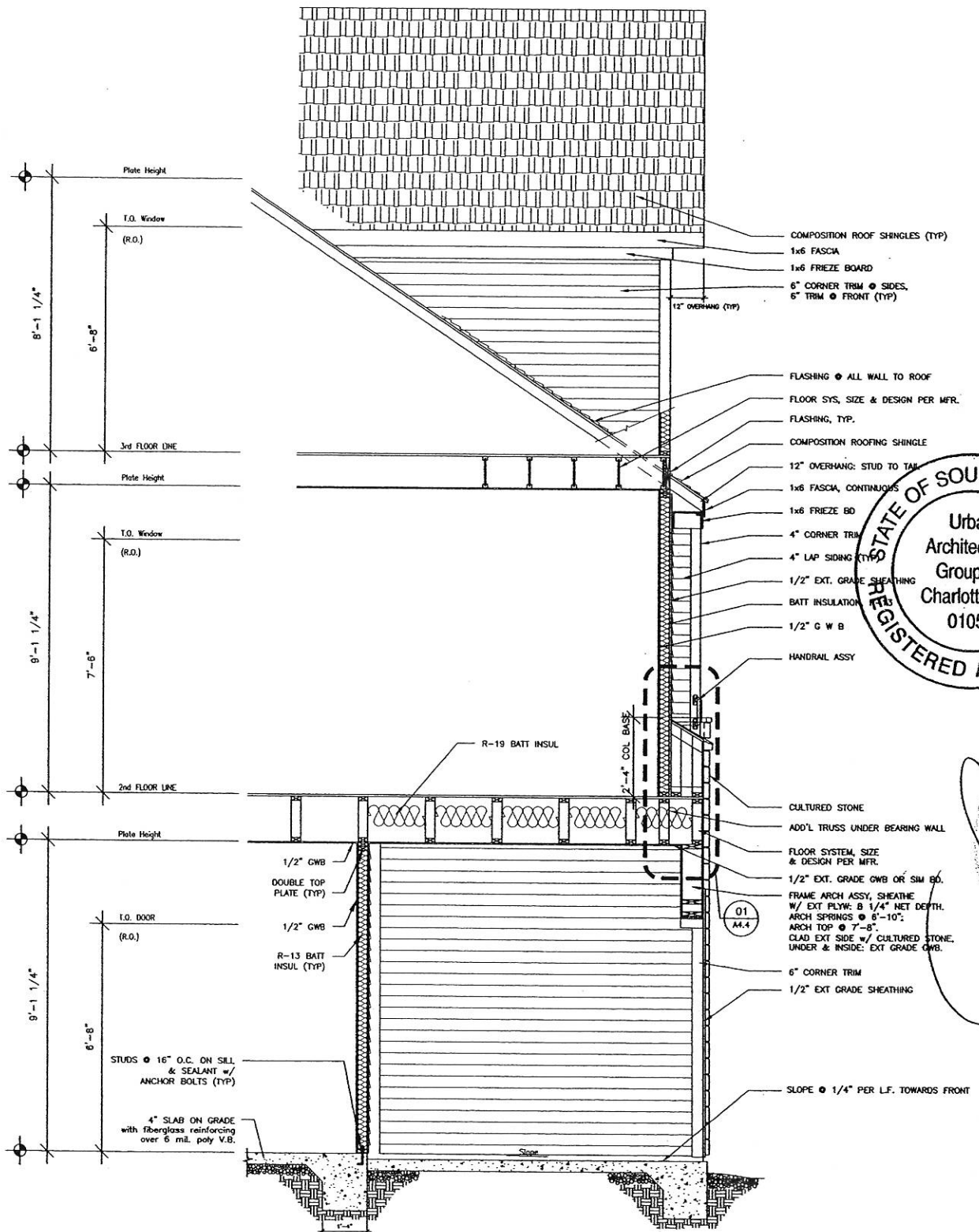
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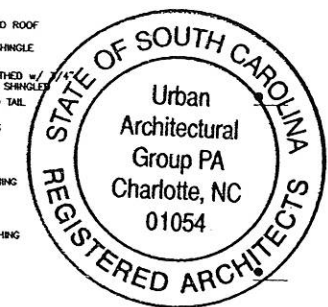
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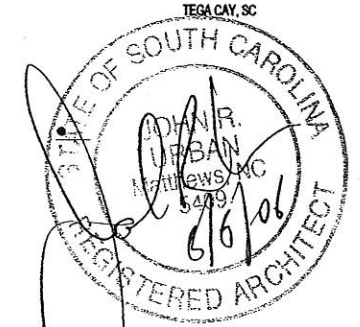
02 WALL SECTION - @ REAR OF UNIT 'B'
 1/2" = 1'-0" (1/4" = 1'-0" @ on 11x17)



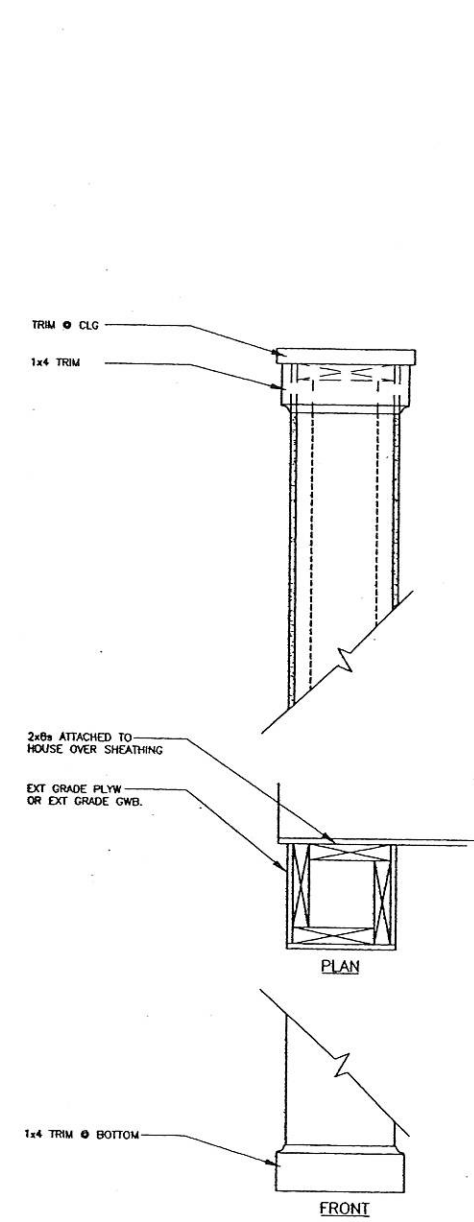
01 WALL SECTION - @ FRONT OF UNIT 'B'



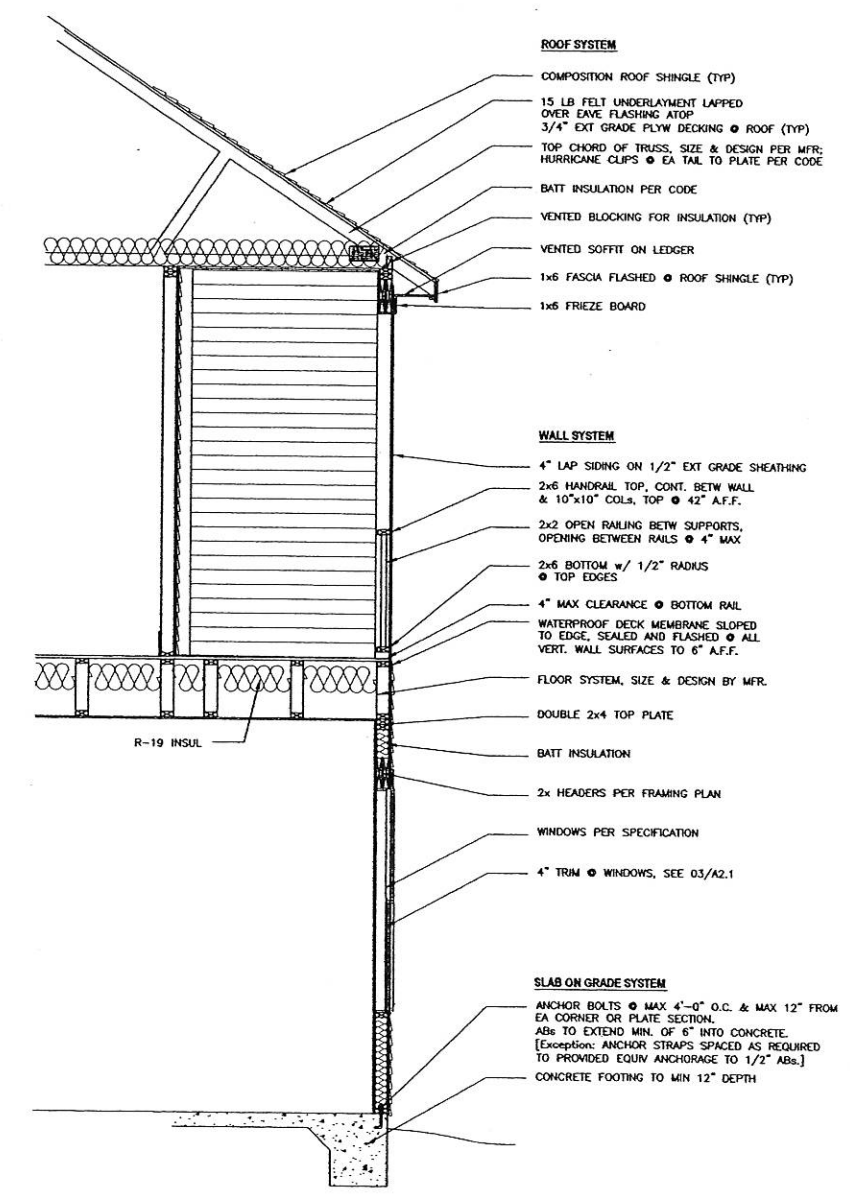
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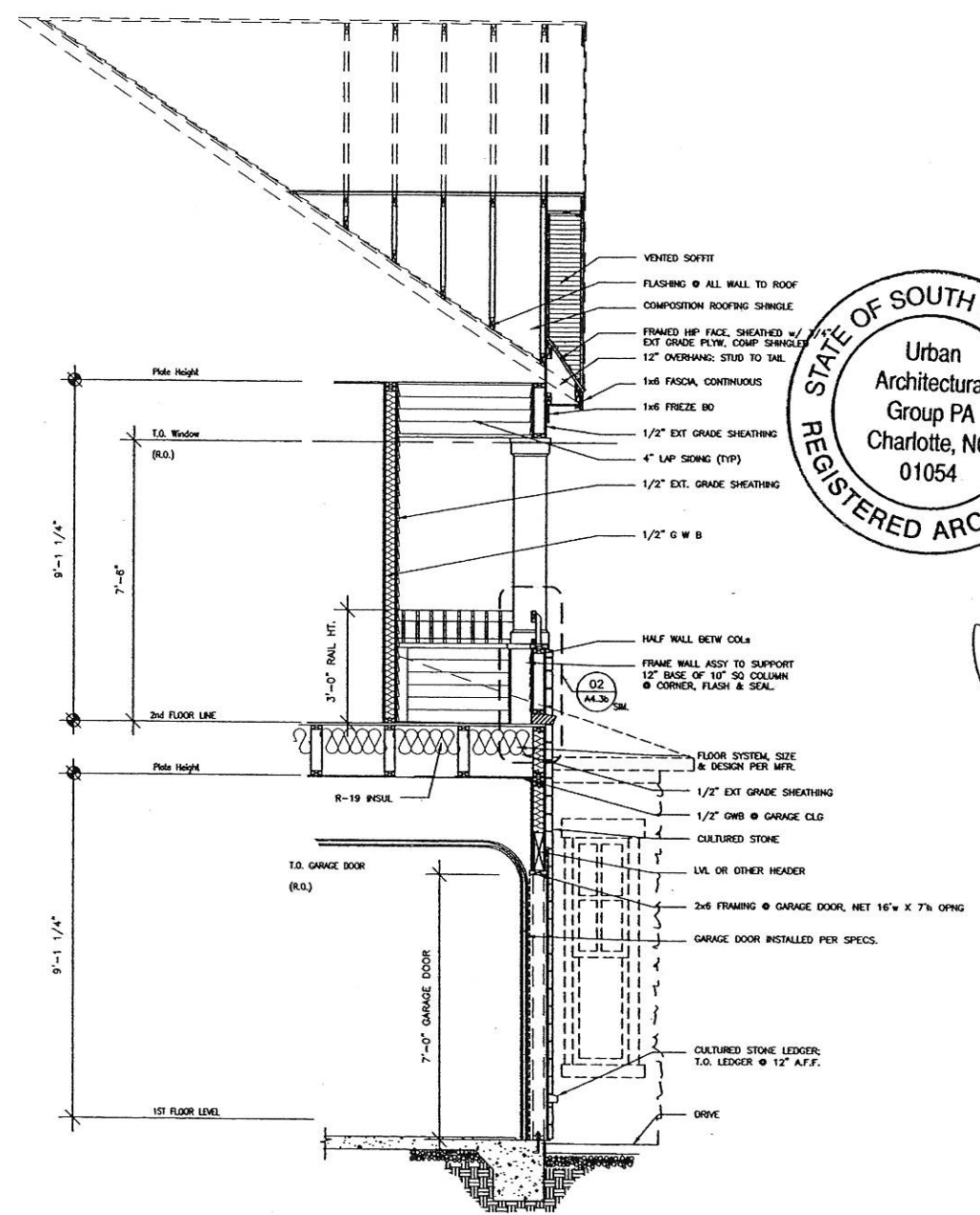
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PROJECT NO.:	2530
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	5 JUNE 2006



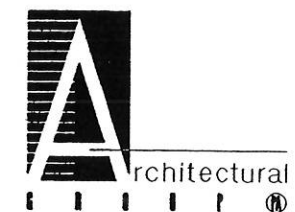
03 **PILASTER @ 'B'**
 SCALE: 1/2" = 1'-0"



02 **WALL SECTION - @ REAR OF 'END' UNIT 'C'**
 1/2" = 1'-0" (1/4" = 1'-0" @ on 11x17)



01 **WALL SECTION - @ FRONT OF END UNIT 'C'**

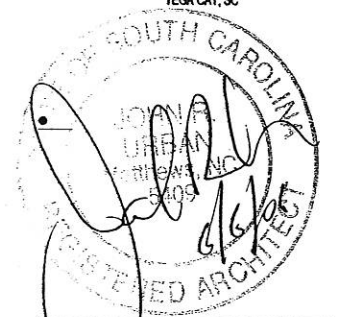


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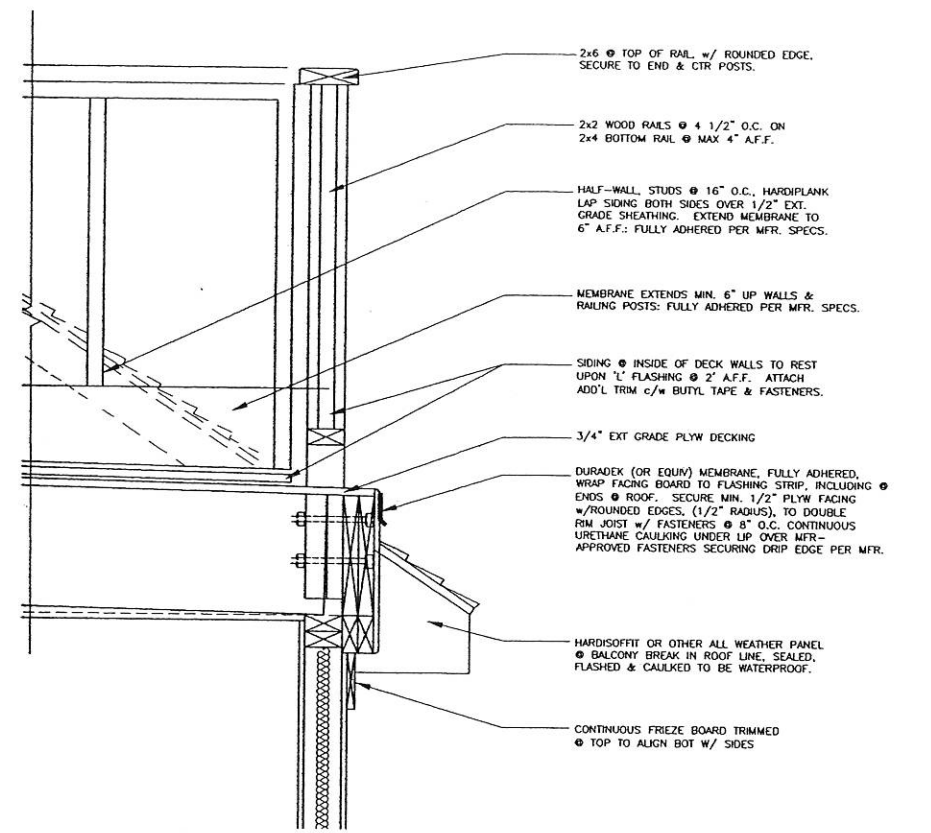
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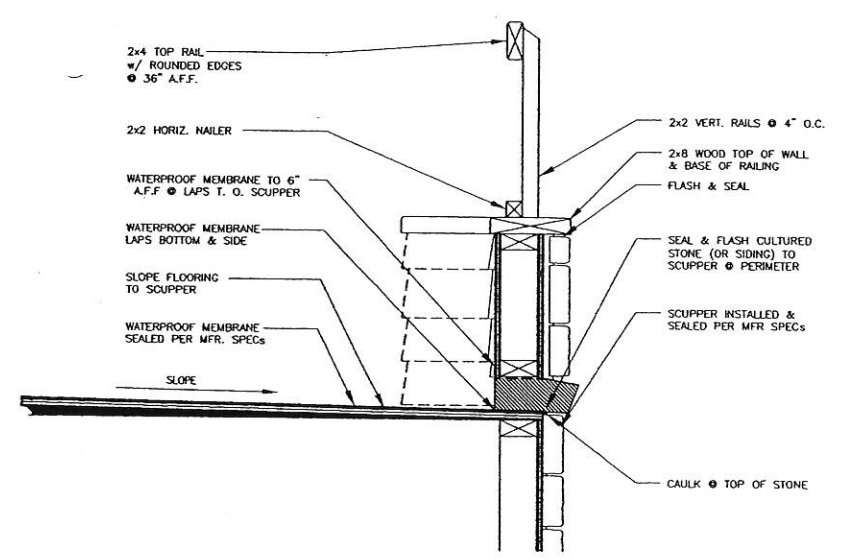
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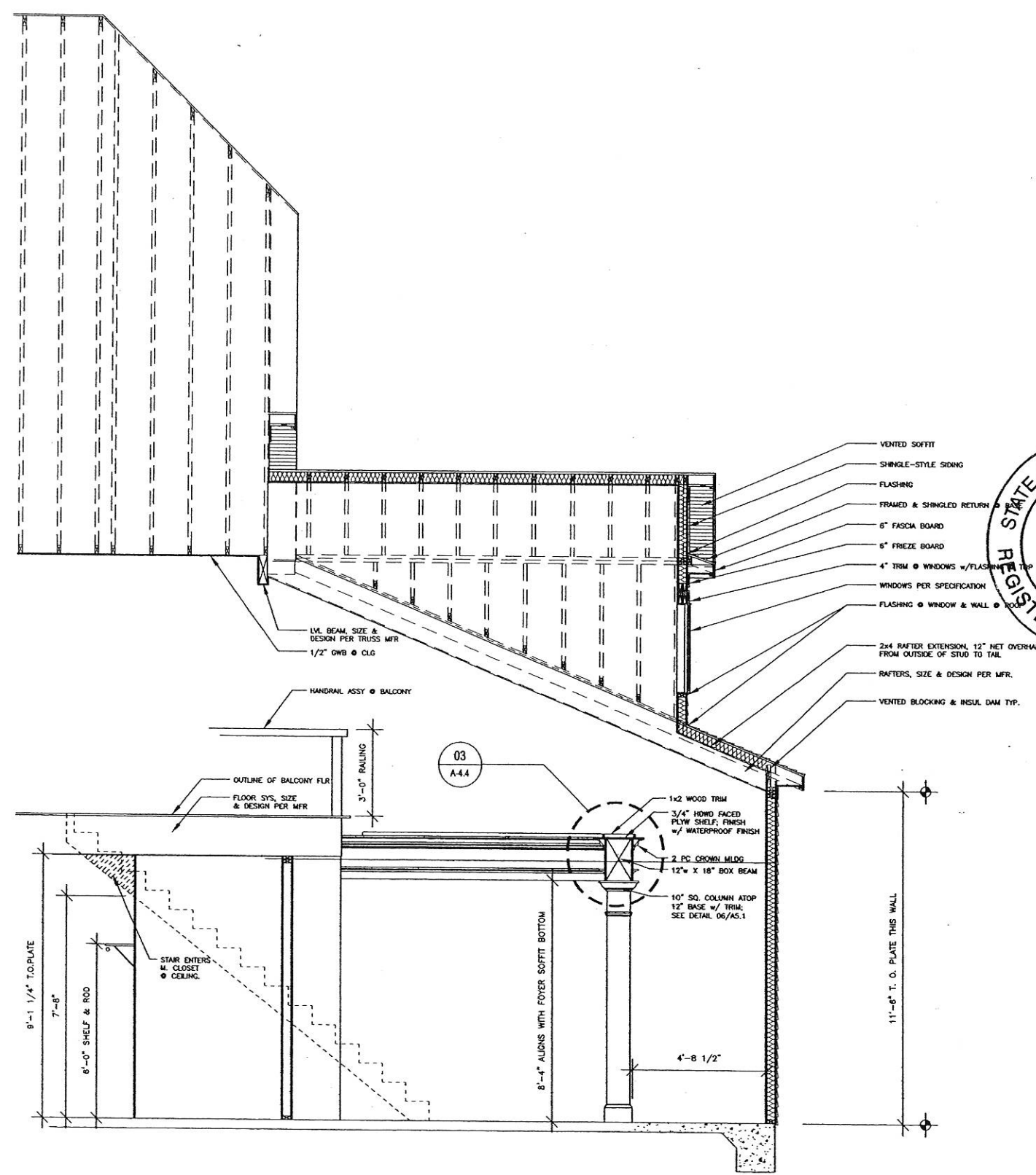
DATE OPEN	5 JUNE 2006
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	5 JUNE 2006



03 WALL SECTION - DECKING MEMBRANE & DRIP EDGE DETAIL
 1-1/2" = 1'-0" (3/4" = 1'-0" @ on 11x17)



02 WALL SECTION - SCUPPER & HANDRAIL DETAIL
 1-1/2" = 1'-0" (3/4" = 1'-0" @ on 11x17)

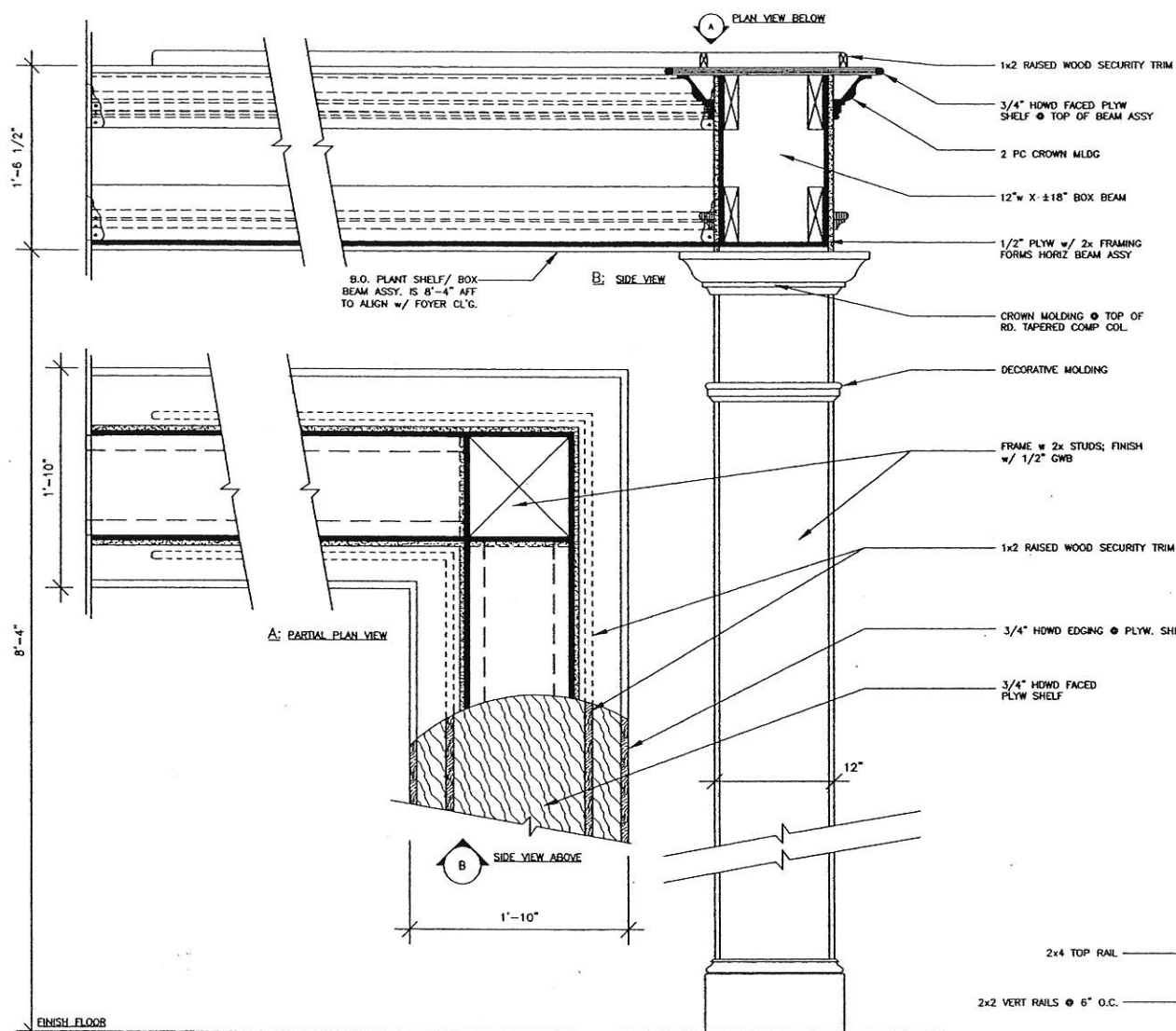


01 WALL SECTION - @ SIDE OF 'END' UNIT 'C'
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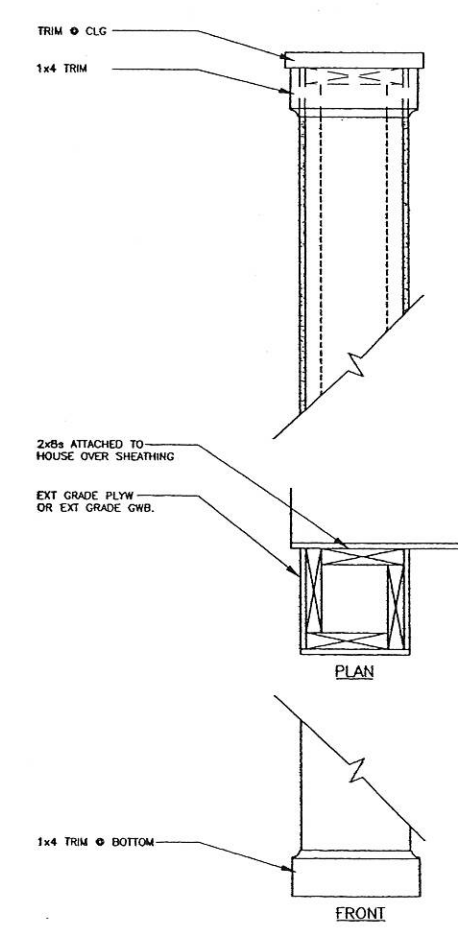


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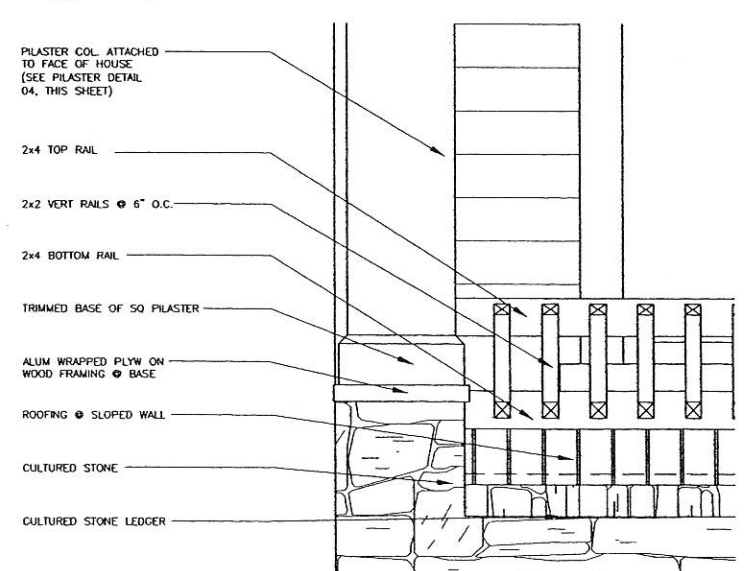
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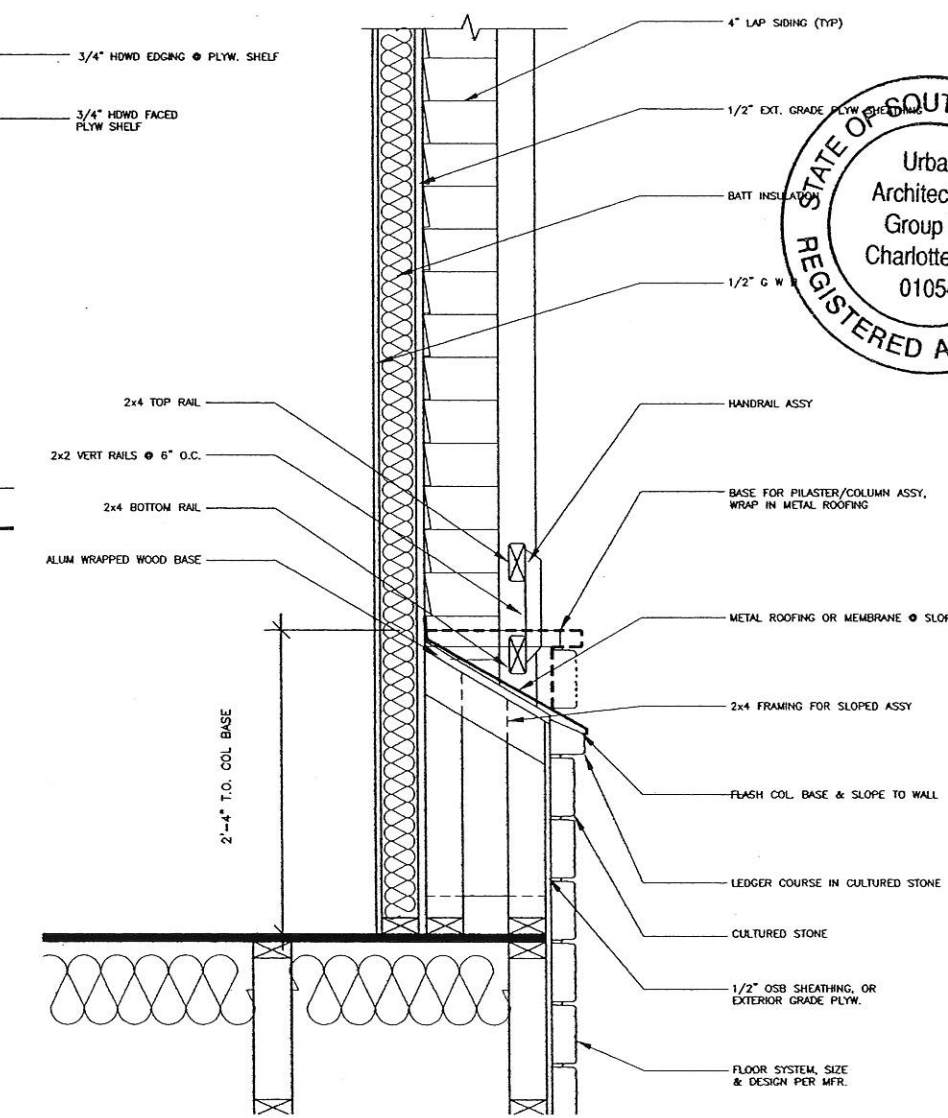
03 PLANT SHELF ATOP BOX BEAM @ DINING ROOM
 SCALE: 1 1/2" = 1'-0"



DETAIL - FRONT OF PILASTER



DETAIL - @ FRONT OF UNIT 'B'



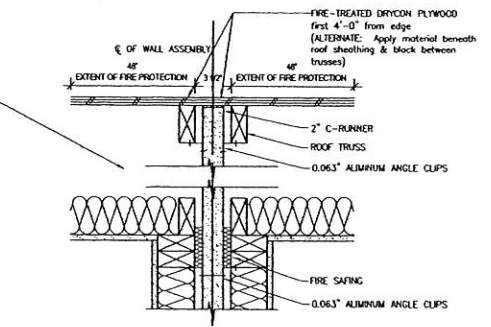
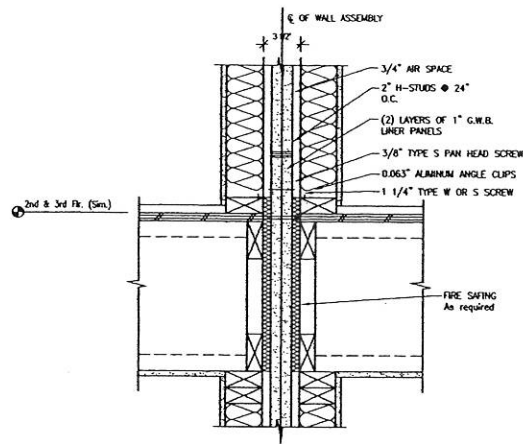
WALL SECTION - @ 2ND LEVEL RAIL, UNIT 'B'



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 TEGA CAY, SC

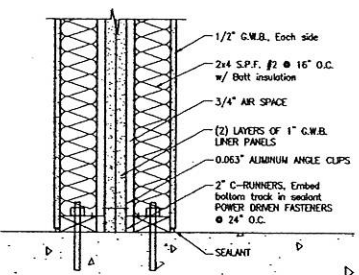
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A4.4

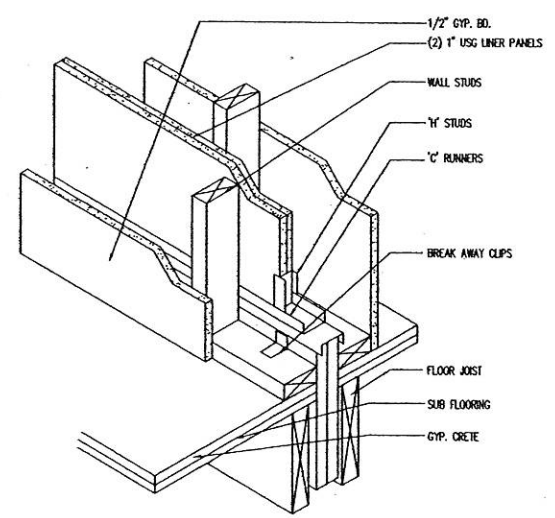


05 DETAIL - Separation Wall @ Roof
1 1/2" = 1'-0"

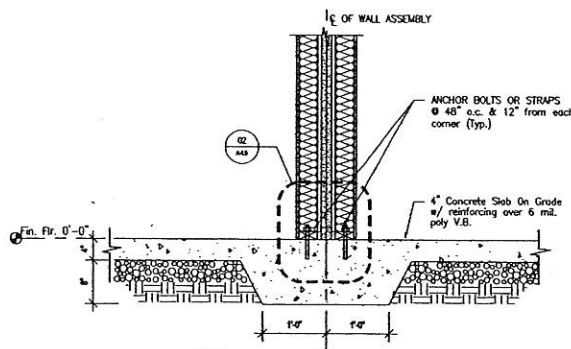
06 DETAIL - Separation Wall @ Intermediate Floor
1 1/2" = 1'-0"



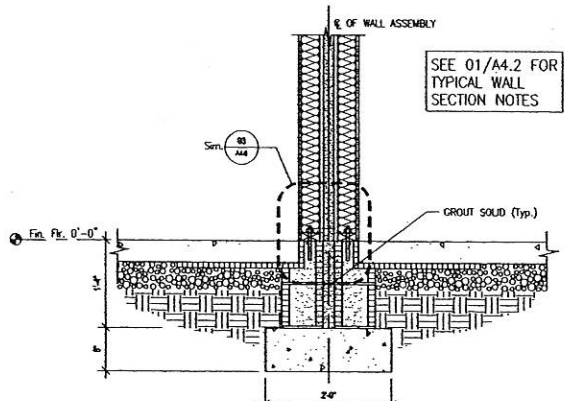
04 DETAIL - Separation Wall @ Floor
1 1/2" = 1'-0"



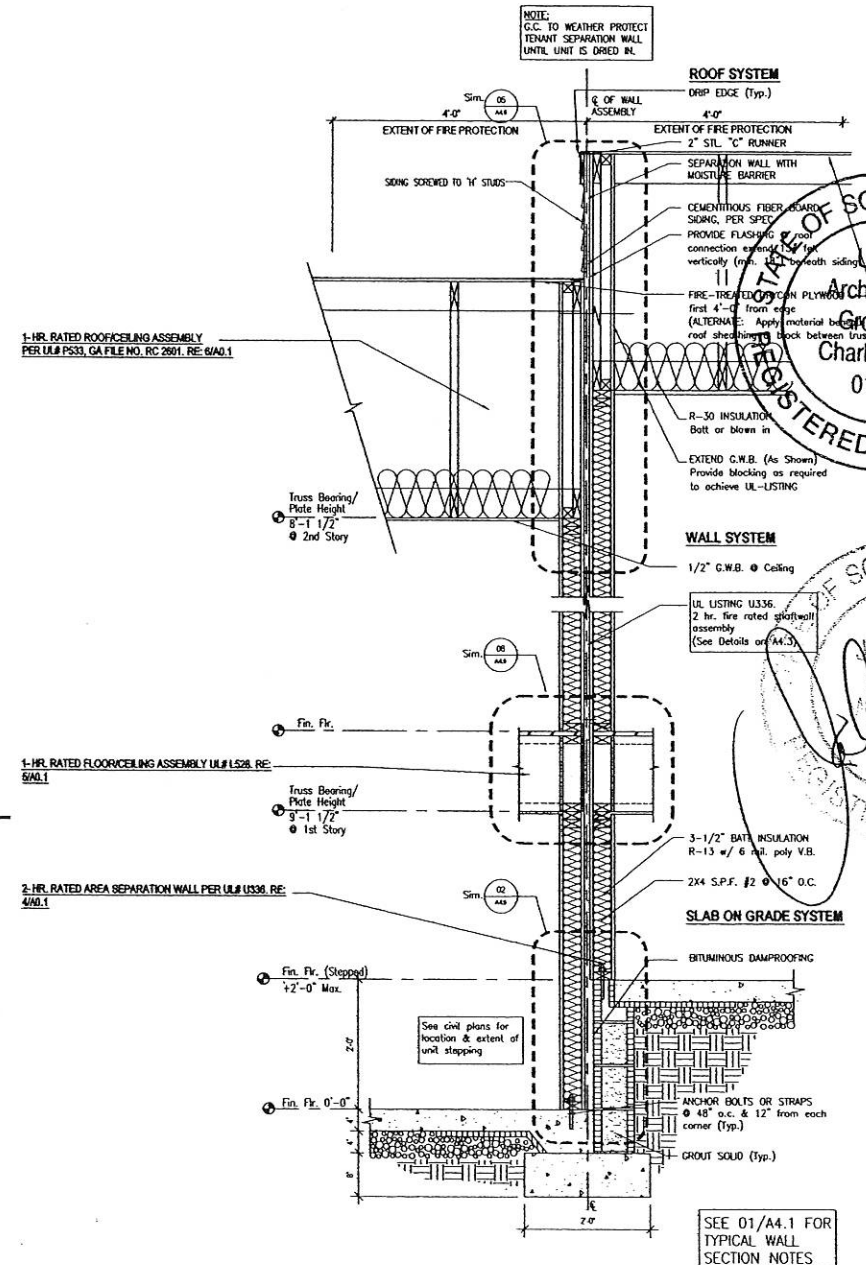
08 DETAIL - Fire Wall Isometric
1-1/2" = 1'-0"



03 SECTION - @ Unit Separation
3/4" = 1'-0"



02 SECTION - @ Unit Separation (Option)



01 SECTION - @ 2 Hr Separation Wall (Stepped)

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D-R HORTON **PH**
America's Builder

Urban Architectural Group PA
 Charlotte, NC 01054

Shaft Wall Sections and Details

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A4.5

07 Not Used



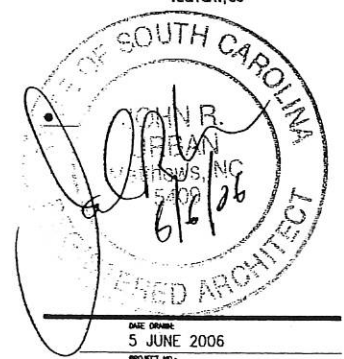
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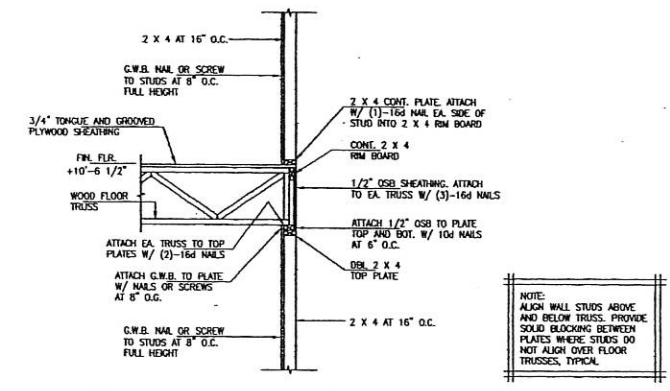


LAKE SHORE TOWN HOMES

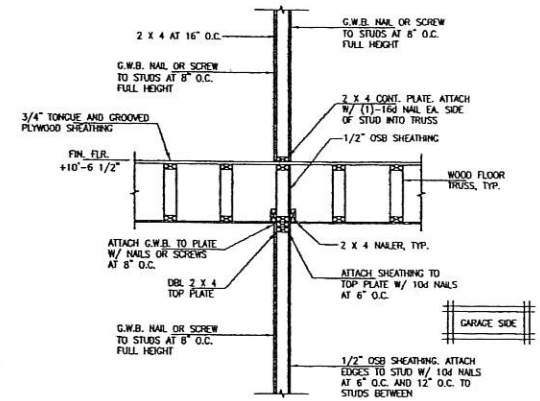
TEGA CAY, SC



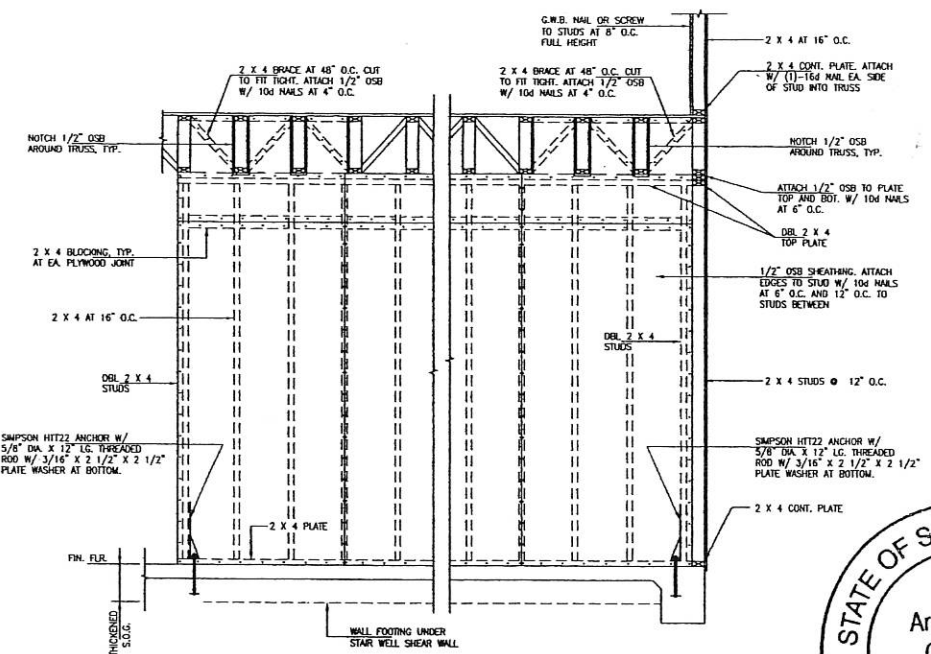
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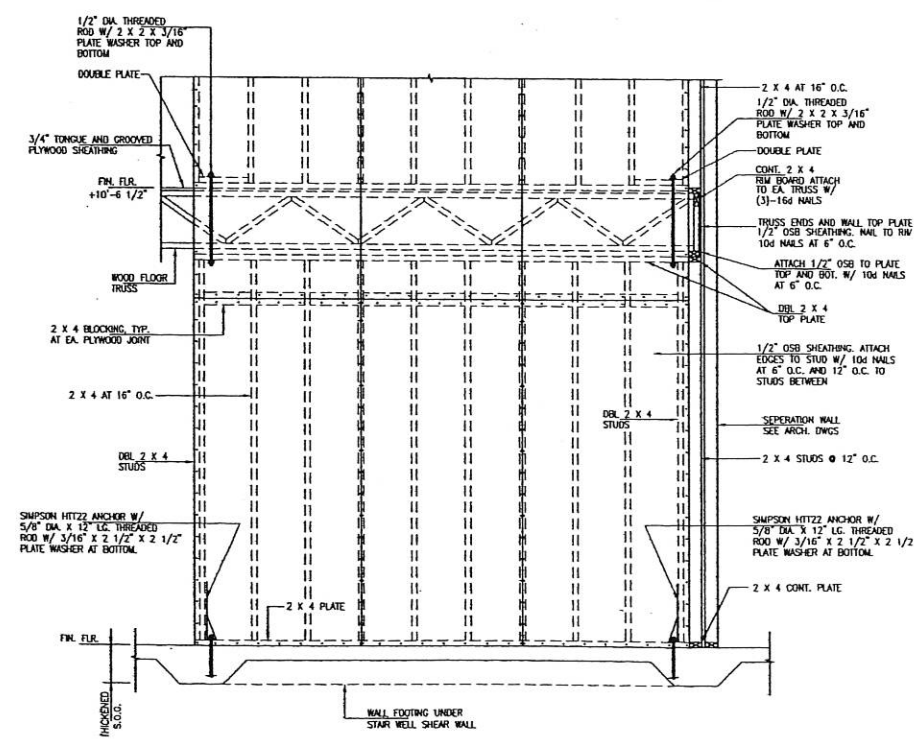
DETAIL - B Floor Truss Bearing @ Separation Wall, typ.
 1/2" - 1'-0" (1/4" - 1'-0" if on 11x17)



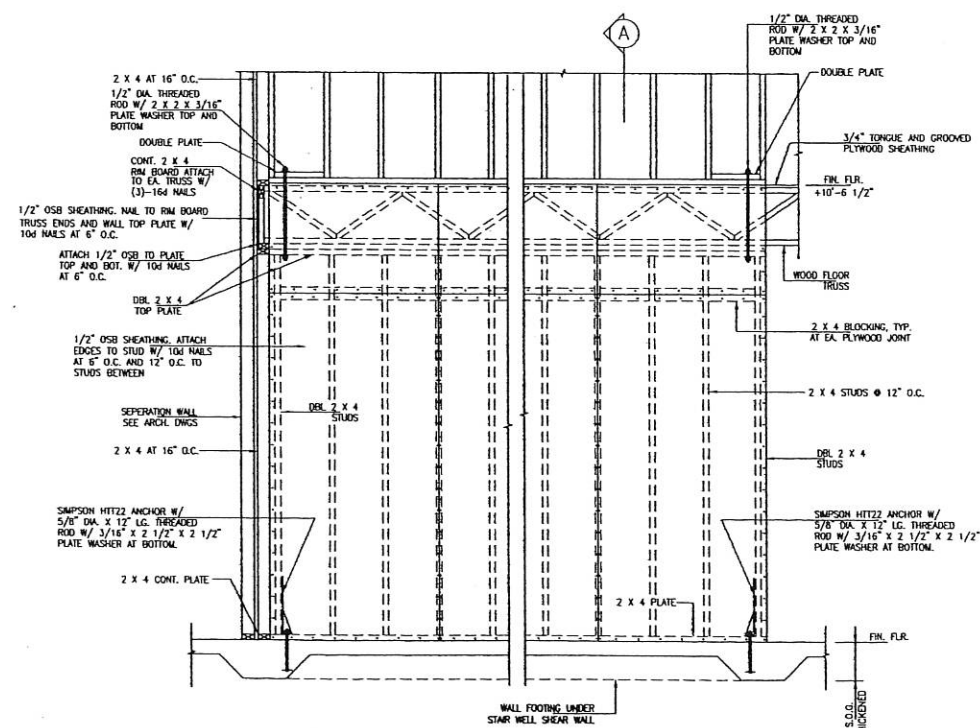
DETAIL - A Garage Shear Wall
 1/2" - 1'-0" (1/4" - 1'-0" if on 11x17)



DETAIL - C Garage Shear Wall, Perpendicular to Truss
 1/2" - 1'-0" (1/4" - 1'-0" if on 11x17)



DETAIL - D Stair Wall Shear Wall

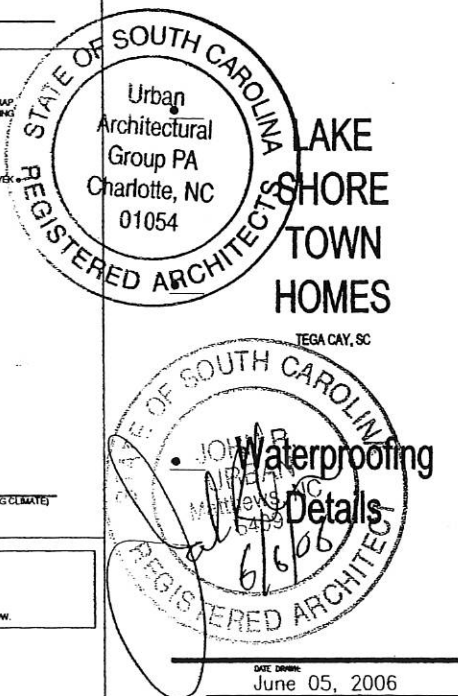
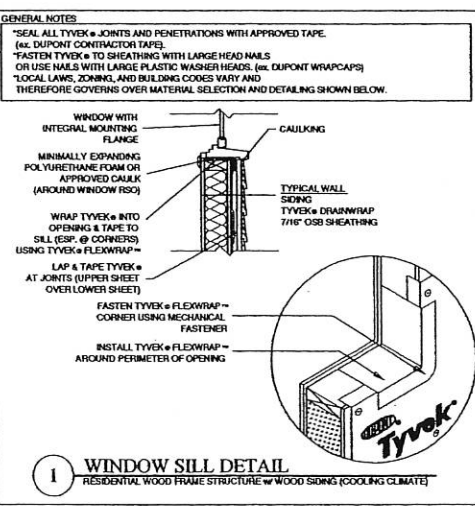
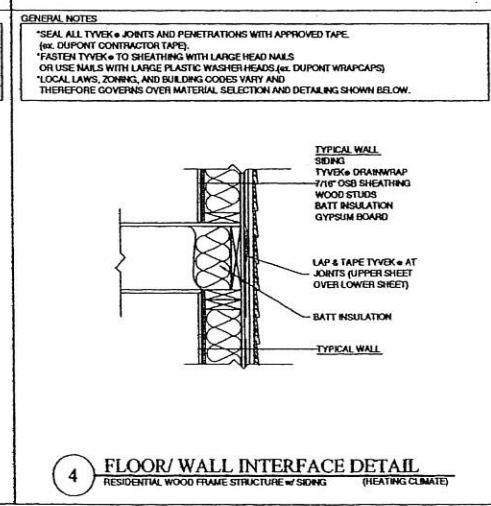
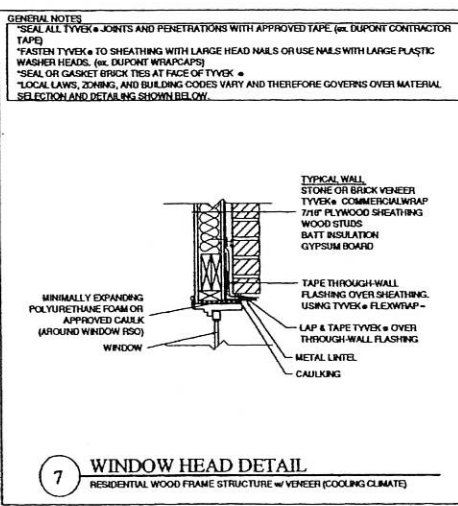
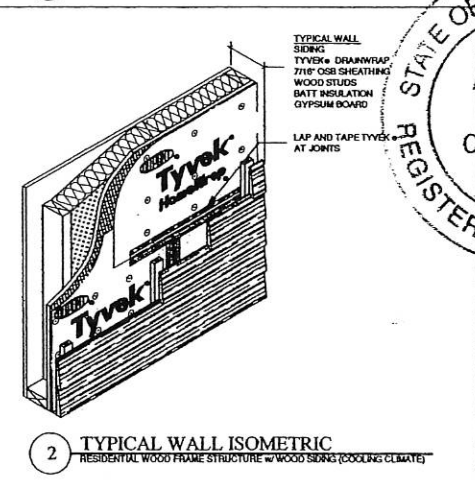
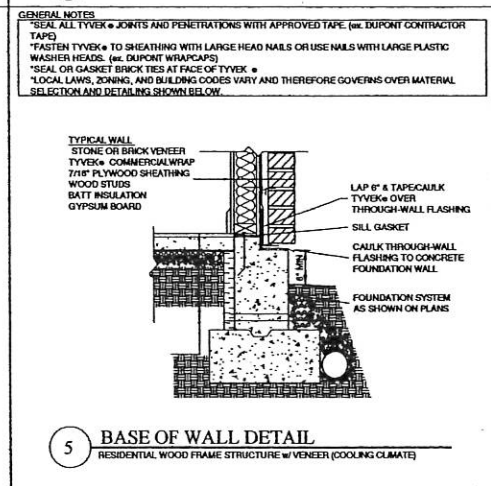
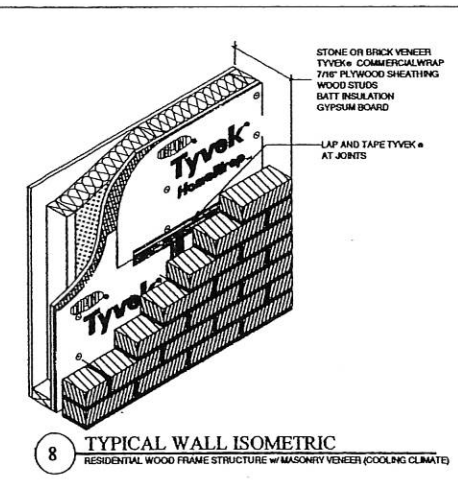
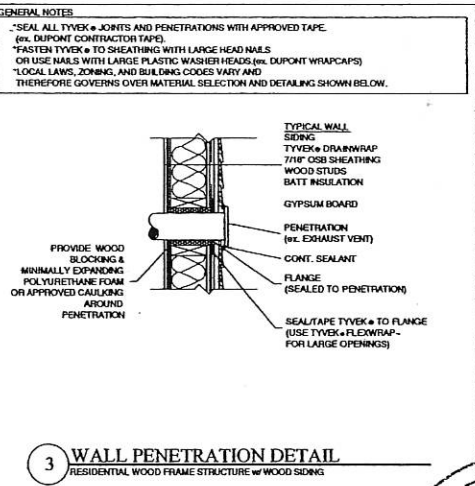
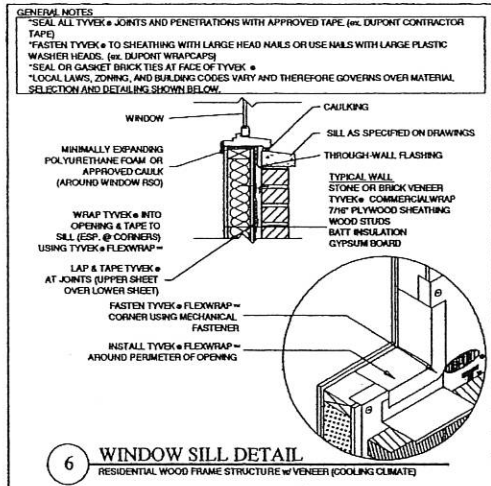


DETAIL - E Shear Wall Parallel to Truss

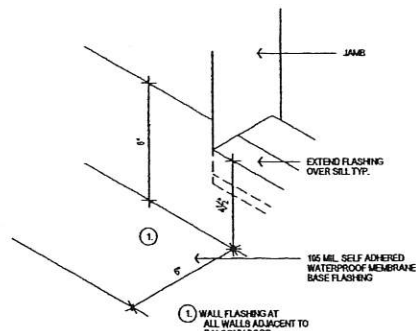


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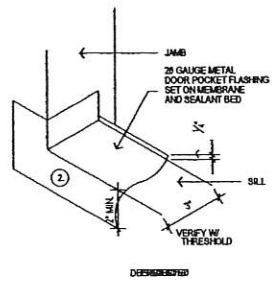
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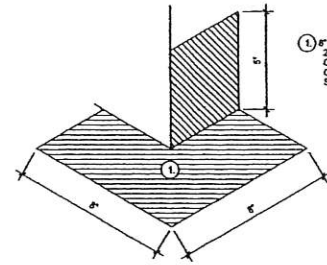


1 WALL FLASHING AT ALL WALLS ADJACENT TO BALCONY DOOR.

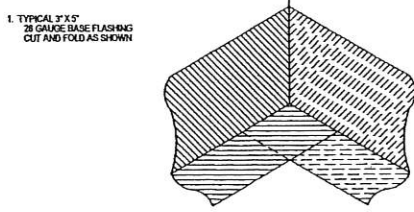


2 GALVANIZED DOOR POCKET FLASHING AT ALL DOOR OPENINGS.

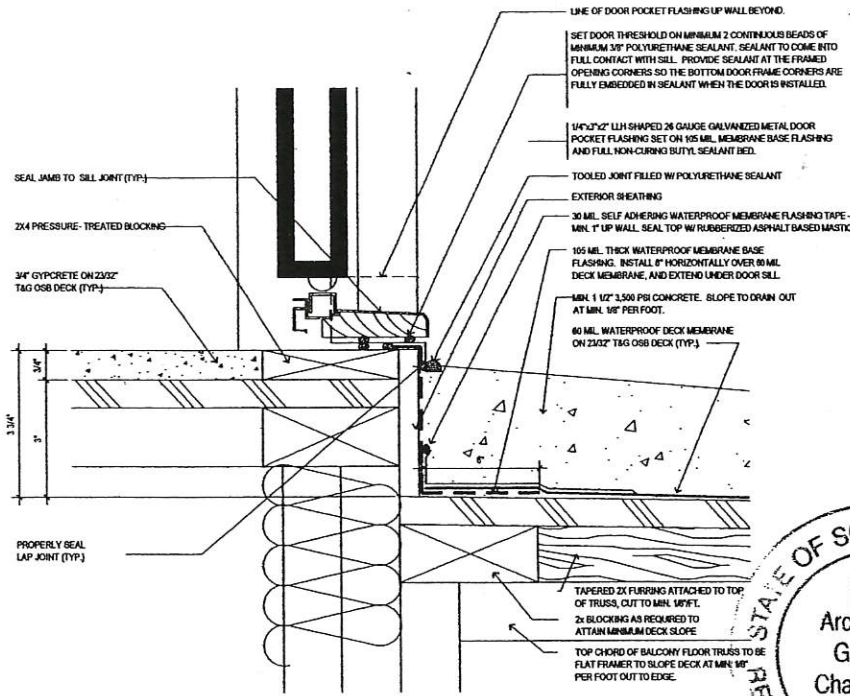
NOTE: PRIME ALL SUBSTRATES PRIOR TO ADHERING ANY FLASHING.



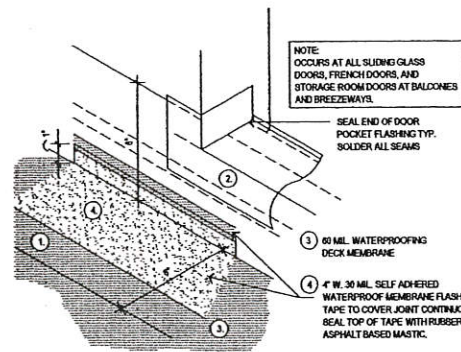
3 FLASHING DETAIL @ OUTSIDE CORNER (METAL FLASHING CONDITION) SCALE: 3" = 1'-0"



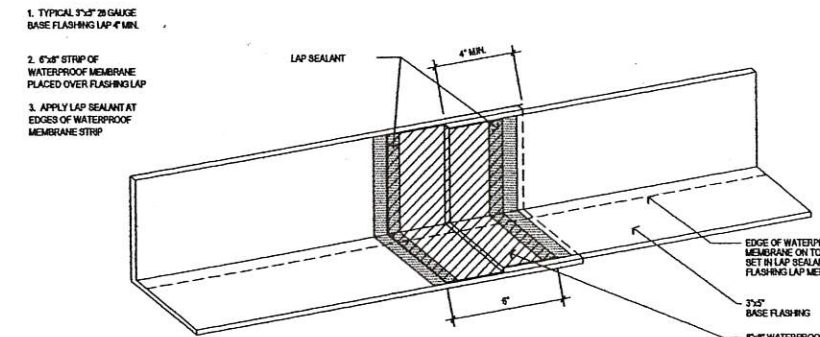
4 FLASHING DETAIL @ INSIDE CORNER (METAL FLASHING CONDITION) SCALE: 3" = 1'-0"



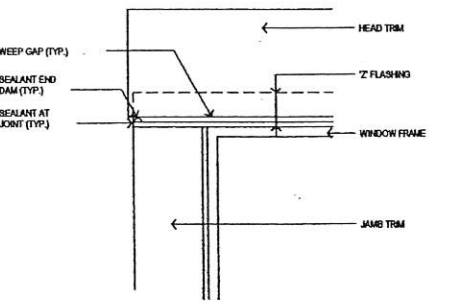
6 WALL FLASHING AT DOOR SCALE: 6" = 1'-0"



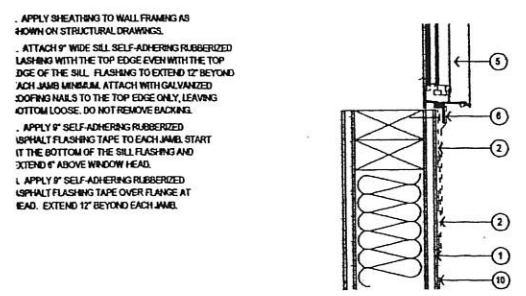
5 FLASHING @ DOOR OPENING SCALE: 3" = 1'-0"



4 FLASHING LAP (METAL FLASHING CONDITION) SCALE: 3" = 1'-0"



3 (TYP.) WINDOW ELEVATION DETAIL SCALE: 3" = 1'-0"



2 WINDOW FLASHING WITH BUILDING PAPER ON WALL (BUILDING GLASS DOORS ARE TO BE WATERPROOFED IN THIS SAME MANNER) NOT TO SCALE

WALL / WINDOW / DOOR WATERPROOFING SPECIFICATIONS:

- OWNER SHALL RETAIN THE SERVICES OF A QUALITY ASSURANCE CONSULTING FIRM, SPECIALIZING IN THE AREA OF WATERPROOFING, FOR THE SOLE PURPOSE OF INSPECTING FLASHINGS BEFORE COVERED WITH FINISHED MATERIALS. DETERMINATION OF PROPER FLASHING TECHNIQUES CAN BE UTILIZED VIA THE BLDG. MOCK UP PANELS AS DESCRIBED ON A3.1
- GO TO PROVIDE DETAILED SHOP DRAWINGS, INDICATING EACH FLASHING AND EDGE DETAIL AND ATTACHMENT REQUIREMENTS.
- USE STAINLESS STEEL FASTENERS WHEN FASTENING INTO TREATED LUMBER.
- ALUMINUM "Z" FLASHING & THRU WALL FLASHING SHALL BE .025" FOR CONCEALED AND .032" FOR EXPOSED.
- MINIMUM 40 MIL POLYETHYLENE BUTYL RUBBER "PEEL AND STICK" WATERPROOFING MIN. 240 DEGREE SOFTENING POINT
- 6" & 8" SELF ADHERING RUBBERIZED ASPHALT FLASHING TAPE - (WINDOW WRAP) MIN. 20 MIL THICKNESS MEETING THE FOLLOWING REQMTS.: FEDERAL SPECIFICATION UU-B-790a TYPE I, GRADE A, STYLE 4, TYVEK PRODUCTS OR EQUAL.
- SEALANT FOR DISSIMILAR MATERIAL JOINTS - SONNEBORN NPI POLYURETHANE SEALANT OR EQUAL. (EXCEPT AT WOOD.)
- SEALANT FOR WOOD TO WOOD JOINTS AND WOOD TO DISSIMILAR MATERIAL JOINTS - SILICON ACRYLIC SEALANT.
- SEALANT UNDER DOOR THRESHOLDS - SONNEBORN NPI POLYURETHANE SEALANT OR EQUAL.
- ALL SEALANT BEADS AND FILLETS TO BE CONTINUOUS.
- ALL METAL FLASHINGS ARE TO HAVE ALL OVERLAPS SEALED WITH NON-CURING BUTYL SEALANT OR POLYURETHANE SEALANT.
- PAIN INTERIOR GYPSUM BOARD WINDOW JAMES WITH ENAMEL PAINT.
- SET NAILS AT ALL DOOR TRIM.
- EXTERIOR WOOD TRIM IS TO BE PRE-PRIMED KDAT MATERIAL.

NOTE: TYVEK COMMERCIAL BUILDING SPECIALISTS CAN BE CONTACTED FOR FREE FIELD/INSTALLATION SERVICES @ TIME OF CONSTRUCTION. CONTACT: ANDREW ANDRETTA, CS 704.226.2864



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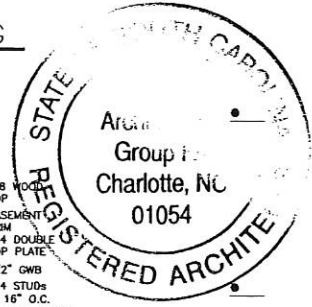
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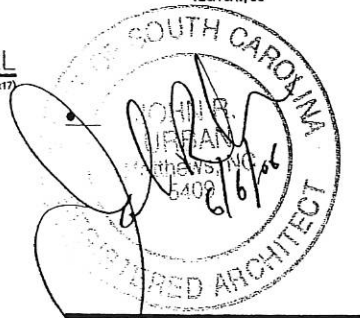


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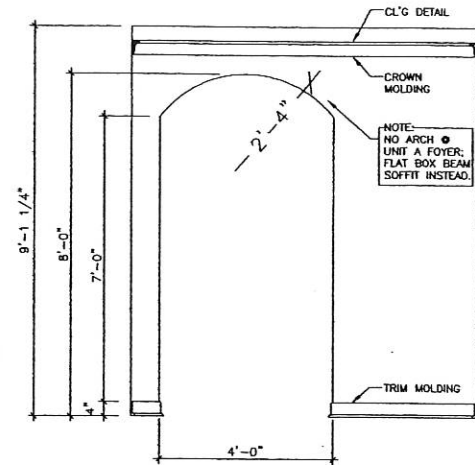
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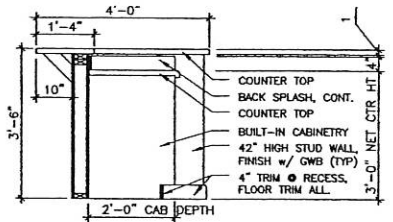
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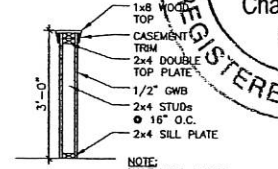
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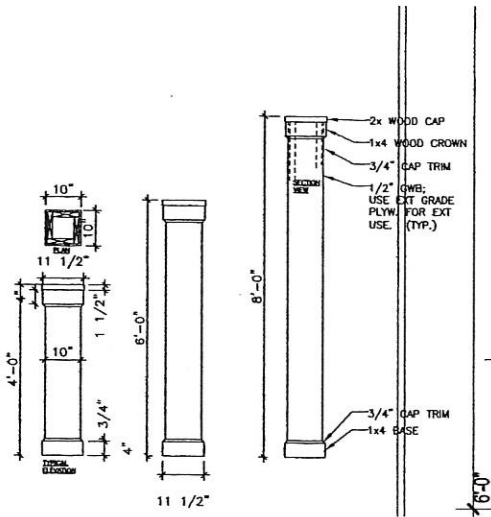
07 DETAIL - ARCH OPENING
 1/2" = 1'-0" (1/4" = 1'-0" if on 11x17)



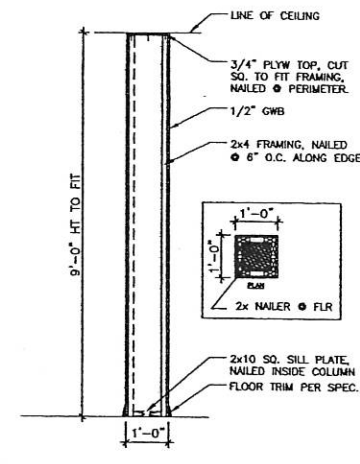
04 DETAIL - COUNTER
 1/2" = 1'-0" (1/4" = 1'-0" if on 11x17)



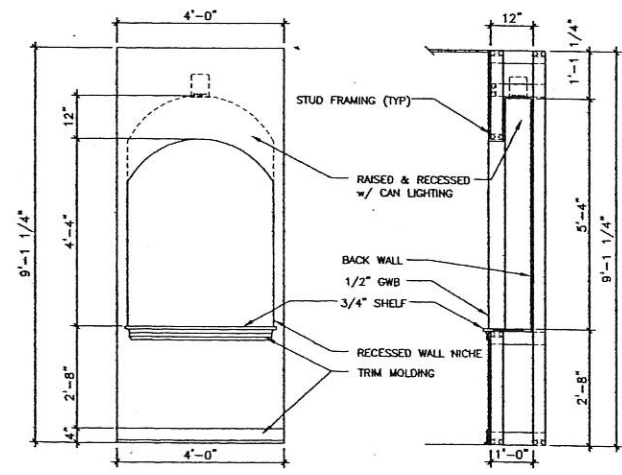
03 DETAIL - HALF WALL
 1/2" = 1'-0" (1/4" = 1'-0" if on 11x17)



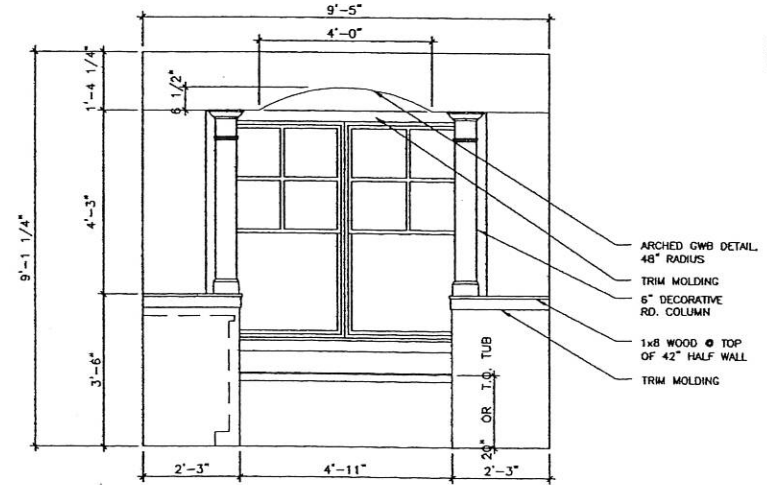
06 DETAIL - BOX COLUMN
 1/2" = 1'-0" (1/4" = 1'-0" if on 11x17)



05 DETAIL - BOX COLUMN
 1/2" = 1'-0" (1/4" = 1'-0" if on 11x17)



02 DETAIL - HALLWAY WALL NICHE @ 'C' UNIT

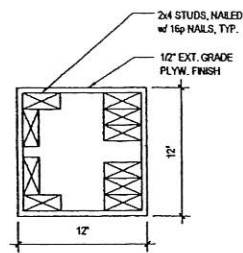


01 DETAIL - @ MASTER BATH UNIT B

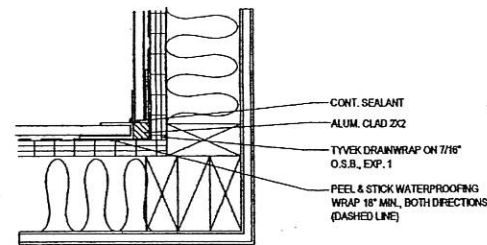


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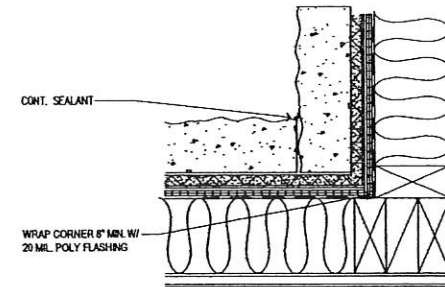
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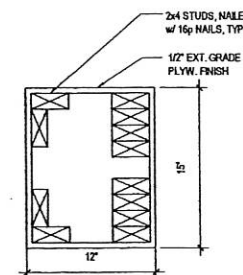
09 DETAIL - Column
 1 1/2" - 1'-0"



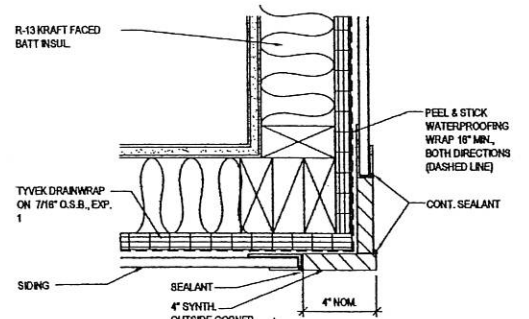
06 DETAIL - Siding @ Inside Corner
 3' - 1'-0"



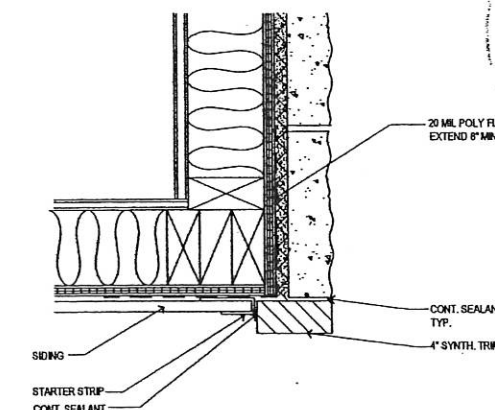
03 DETAIL - Stone @ Inside Corner
 3' - 1'-0"



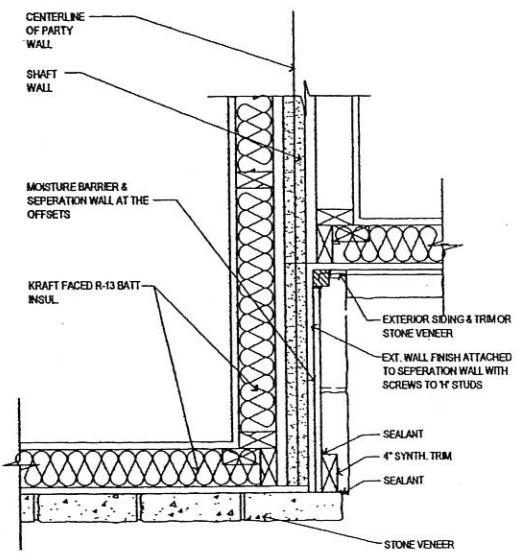
08 DETAIL - Column
 1 1/2" - 1'-0"



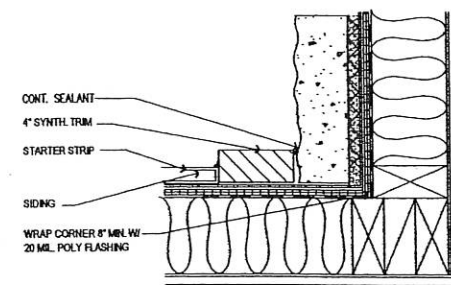
05 DETAIL - Siding @ Outside Corner
 3' - 1'-0"



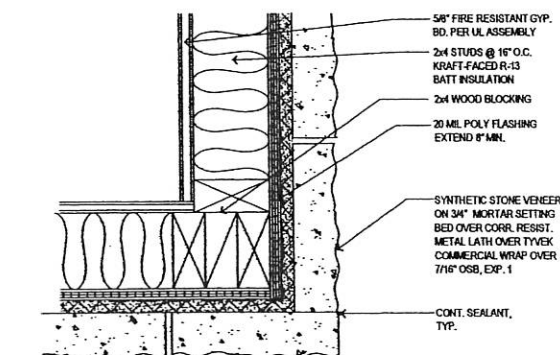
02 DETAIL - Stone/Siding @ Corner
 3' - 1'-0"



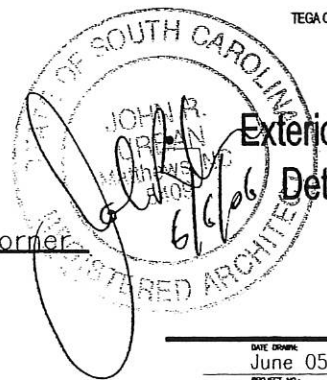
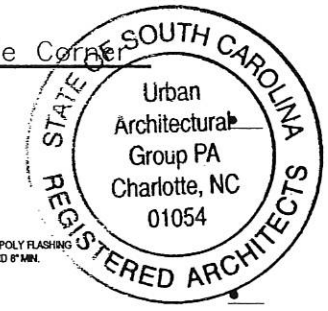
01 DETAIL - Party Wall @ Offset



04 DETAIL - Stone/Siding @ Corner



07 DETAIL - Stone @ Outside Corner



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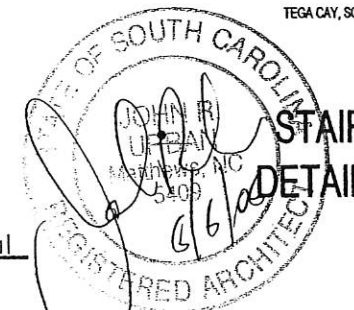
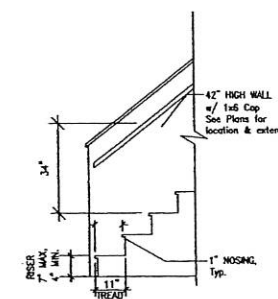
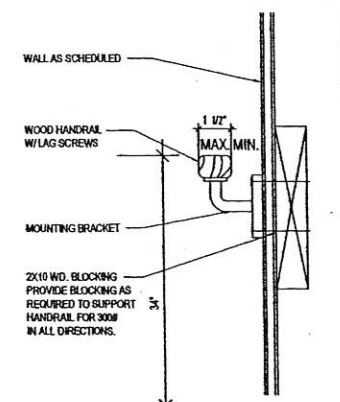
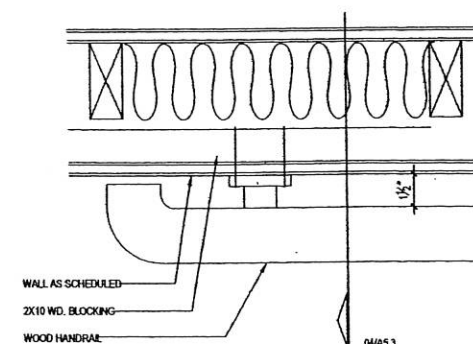
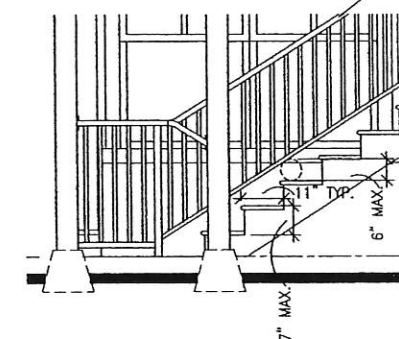
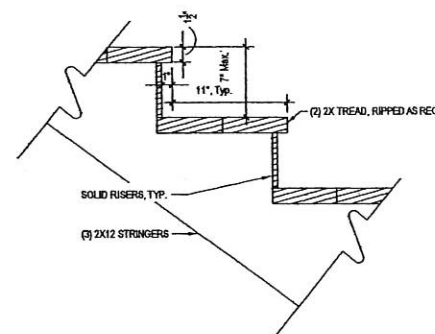
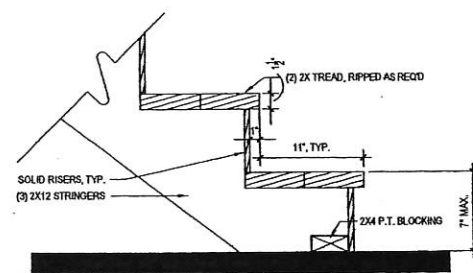
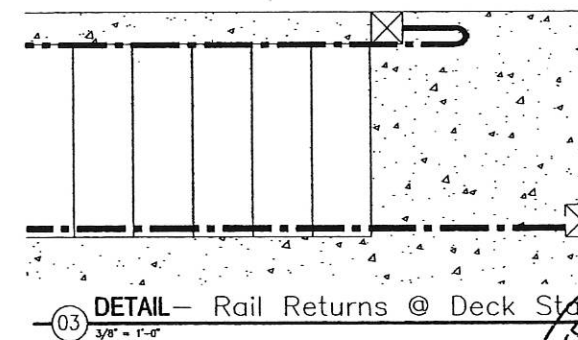
Exterior Wall Details

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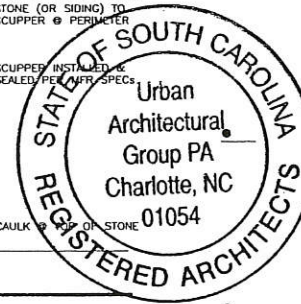
A5.3



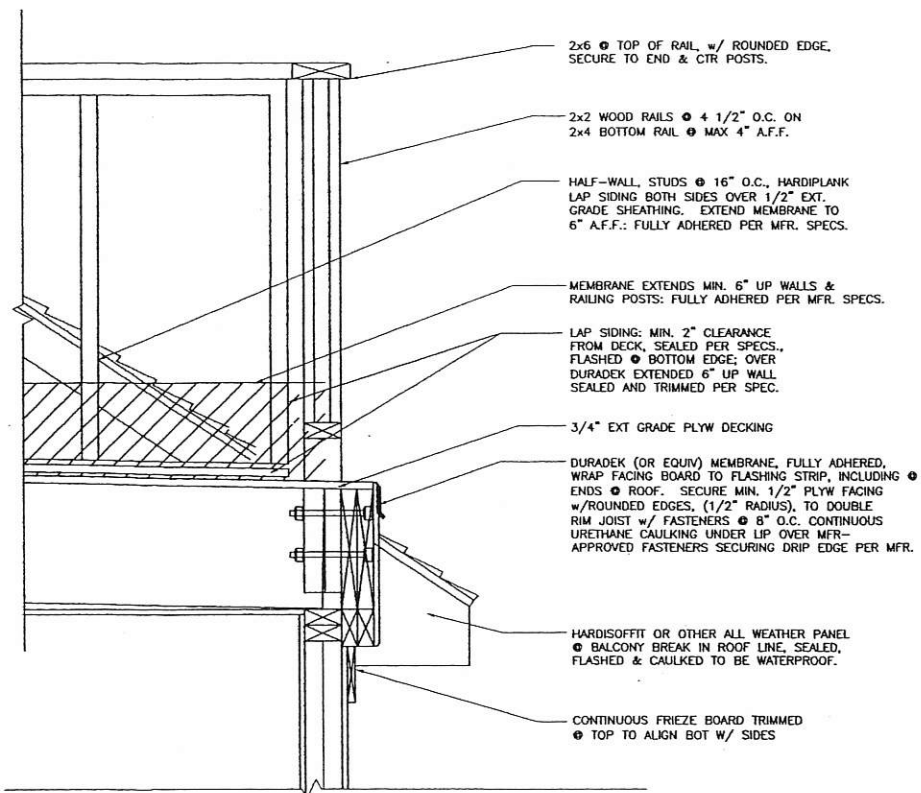
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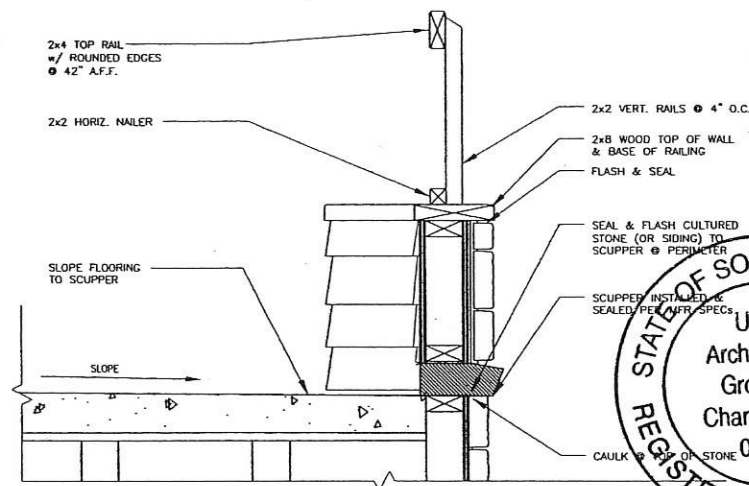
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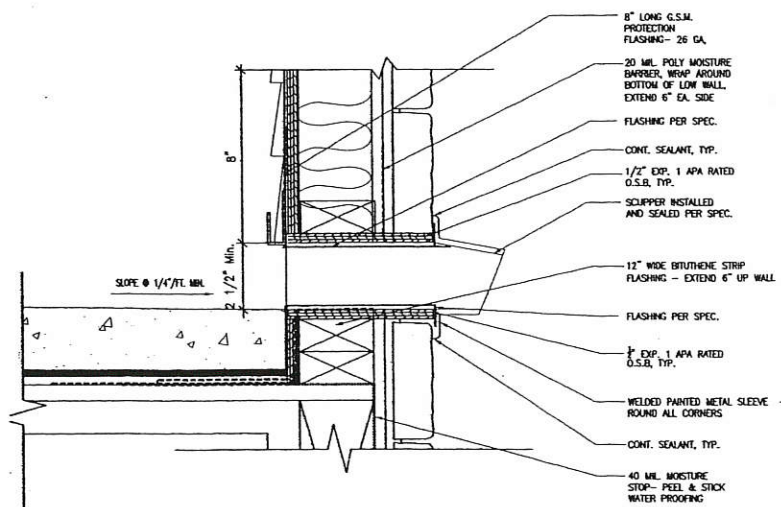
LAKE SHORE TOWN HOMES
 TEGA CAY, SC



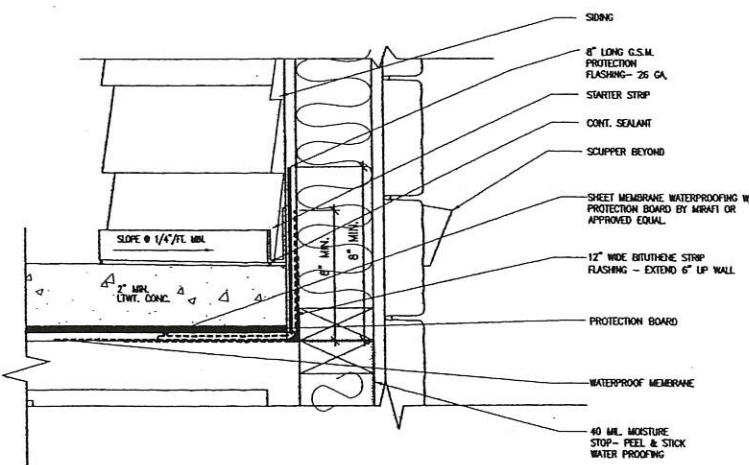
05 DETAIL - Scupper @ Balcony - Unit A
 1 1/2" = 1'-0"



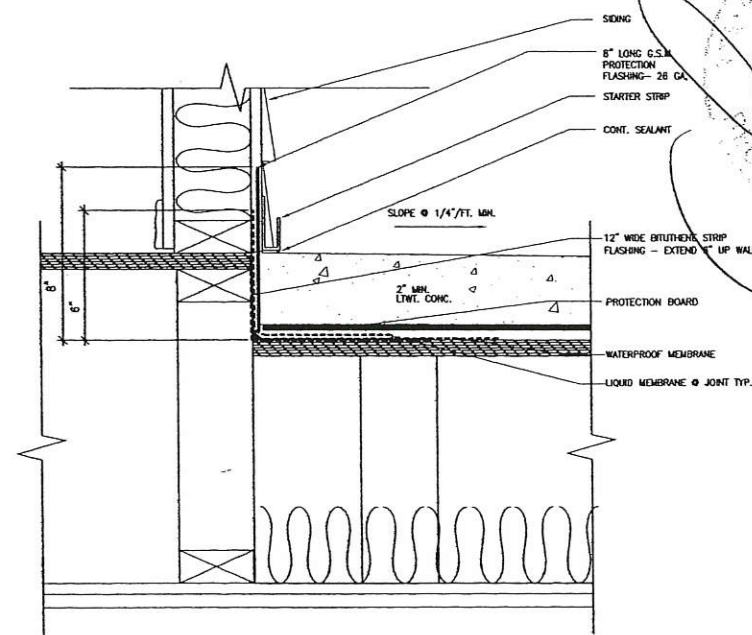
04 DETAIL - Balcony Guardrail @ Unit A
 1 1/2" = 1'-0"



06 DETAIL - Scupper @ Balcony - Unit A



07 DETAIL - Balcony Edge @ Unit A



08 DETAIL - Balcony @ Unit A



BALCONY DETAILS

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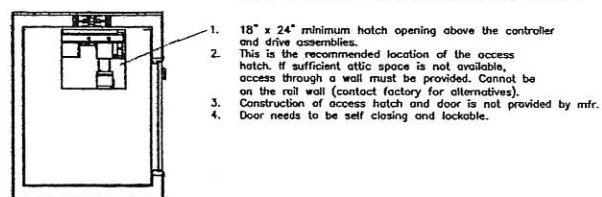
DETAILS FOR LEV ELEVATOR ONLY.

- All other Manufacturers will have their own details and installation plans.
- For additional details on the installation of LEV elevators in this project, refer to LEV manuals or to their website, thelev.com.

Hoistway Construction Notes:

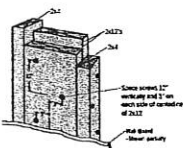
- A load bearing wall is required to sustain rail reactions. See Detail 3 this sheet, Rail Reactions and Guide Rail Backing Construction below.
- All points of the pit floor must be a minimum of 6" below the lower landing finished floor. (12" if optional buffer springs are used).
- Pit floor construction should withstand a 3200 lb. impact load.
- Hoistway sizes reflect running and access clearances only.
- Minimum overhead clearance is 8'-6" above the top landing finished floor or 8'-0" for hydraulic drive when controller is installed in the machine room. (Optional 88" car height requires 8'-10", 94" car height requires 9'-4").
- Due to limited clearances, it is imperative that the walls be square and plumb throughout the hoistway. The finished hoistway must be within 1/4" tolerances from top to bottom.
- Hoistway door not provided by elevator manufacturer. 3'-0" x 6'-8" door recommended.
- Hoistway is required to be free of all pipes, wiring and obstructions not related to the operation of the elevator.
- Service access hatch is required in the controller / drive assembly area. See detail 4 this sheet for recommended location.
- Building structure must provide for a means of a chain hoist for hoisting rail and elevator materials to the top of the hoistway during installation.

Attic Plan View of Service Access Hatch



- 18" x 24" minimum hatch opening above the controller and drive assemblies.
- This is the recommended location of the access hatch. If sufficient attic space is not available, access through a wall must be provided. Cannot be on the rail wall (contact factory for alternatives).
- Construction of access hatch and door is not provided by mfr.
- Door needs to be self closing and lockable.

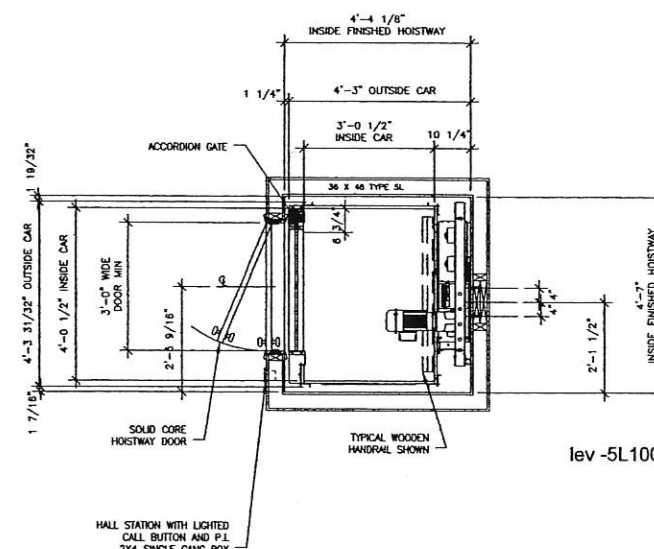
04 DETAILS- Service Access @ Attic
 N T S



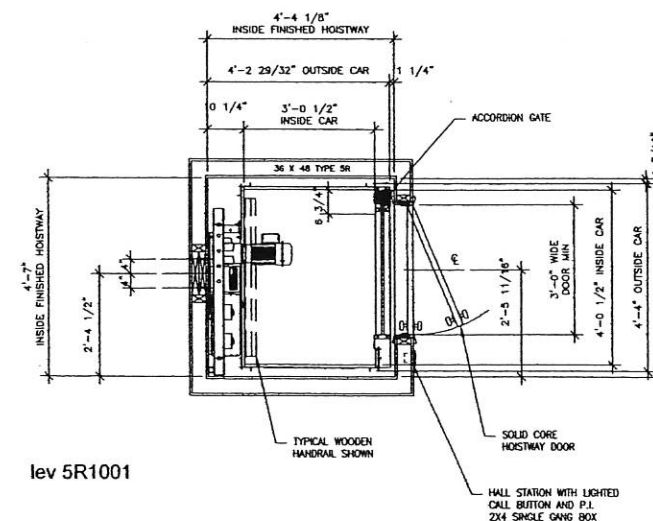
Guide Rail Backing Construction Details:

- Wall Board (Shown partially in this view)
- Splice screws 12" vertically and 3" on each side of centerline of 2x12
- Laminate (2) 2x12's and (2) 2x4's with glue and #8 x 2 1/4" wood screws (minimum).
- Overlap joints of the lumber as necessary for structural rigidity.
- Guide rail backing must be tied to a horizontal structural member (header or floor plate) at top, bottom and a maximum of 10' between.

03 DETAILS- Guide Rail Backer Rail
 N T S



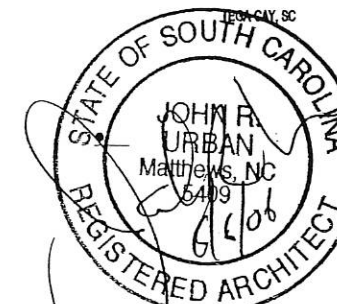
02 DETAIL - LEV Elevator, left hand door.
 1/2" = 1'-0" (1/4" = 1'-0" if on 11x17)



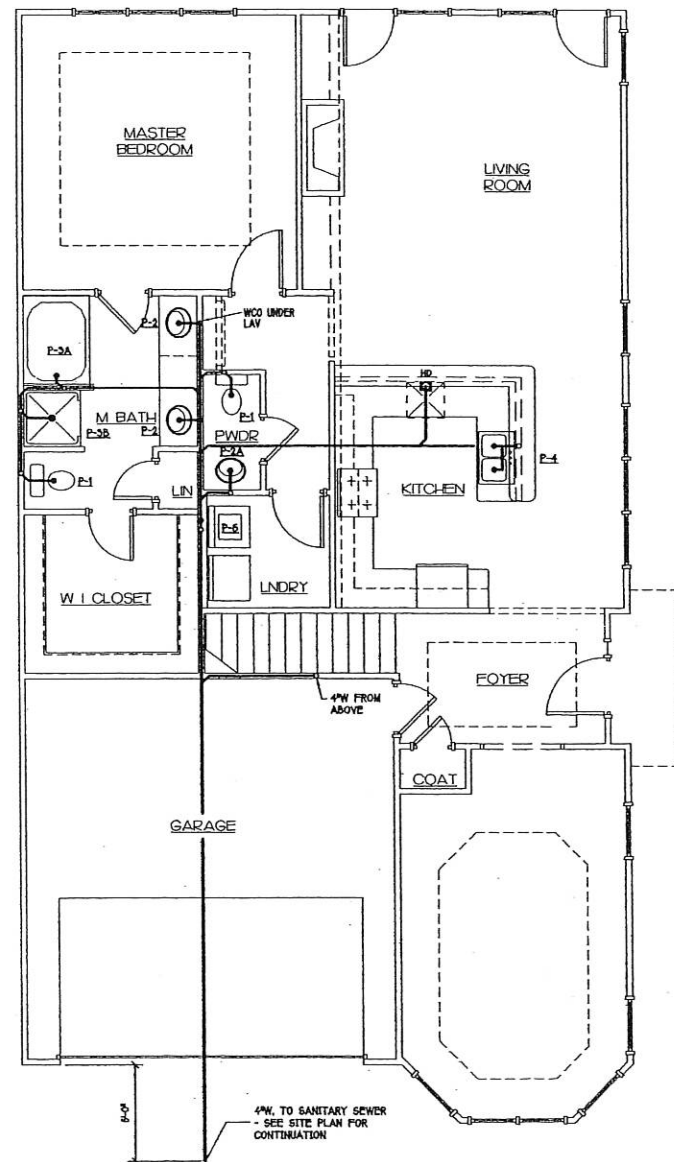
01 DETAIL - LEV Elevator, right hand door.



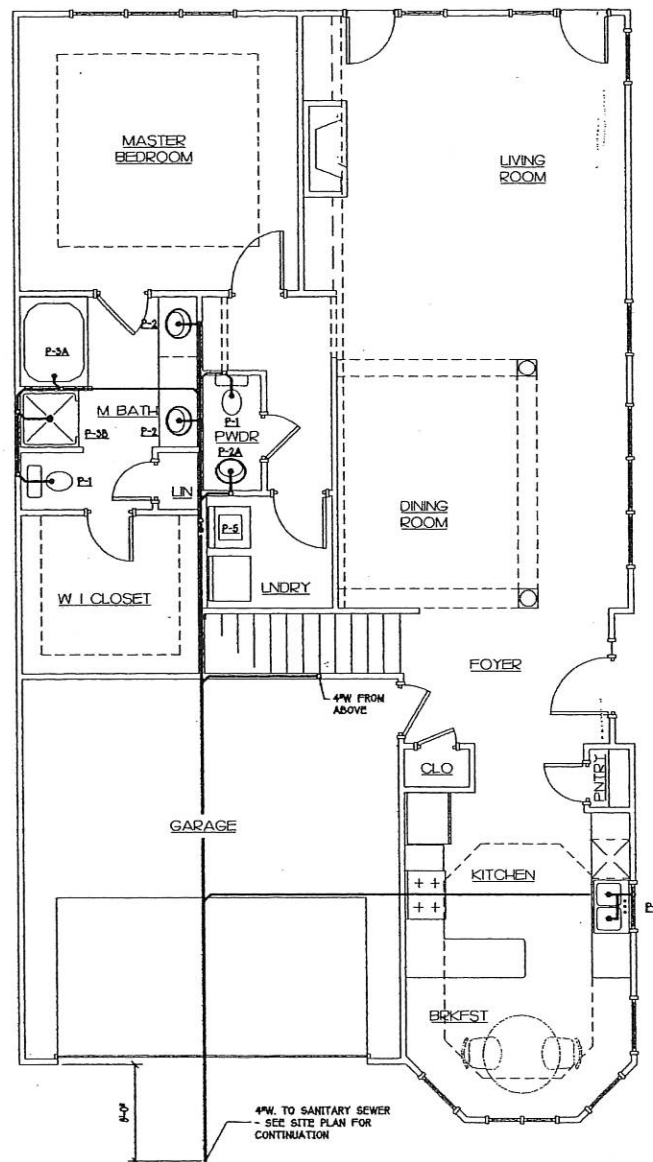
LAKE SHORE TOWN HOMES



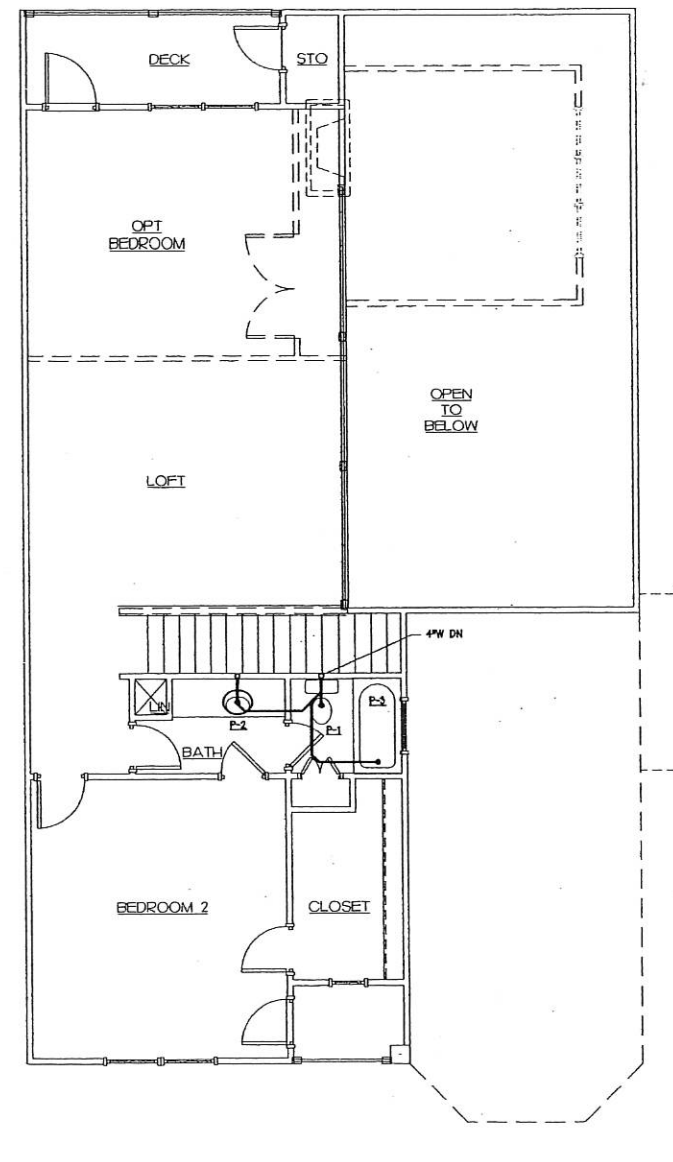
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1 FIRST FLOOR 2 STORY UNIT SANITARY PLAN
1/4" = 1'-0"



2 FIRST FLOOR 2 STORY UNIT (ALT) SANITARY PLAN
1/4" = 1'-0"



3 SECOND FLOOR 2 STORY UNIT SANITARY PLAN
1/4" = 1'-0"

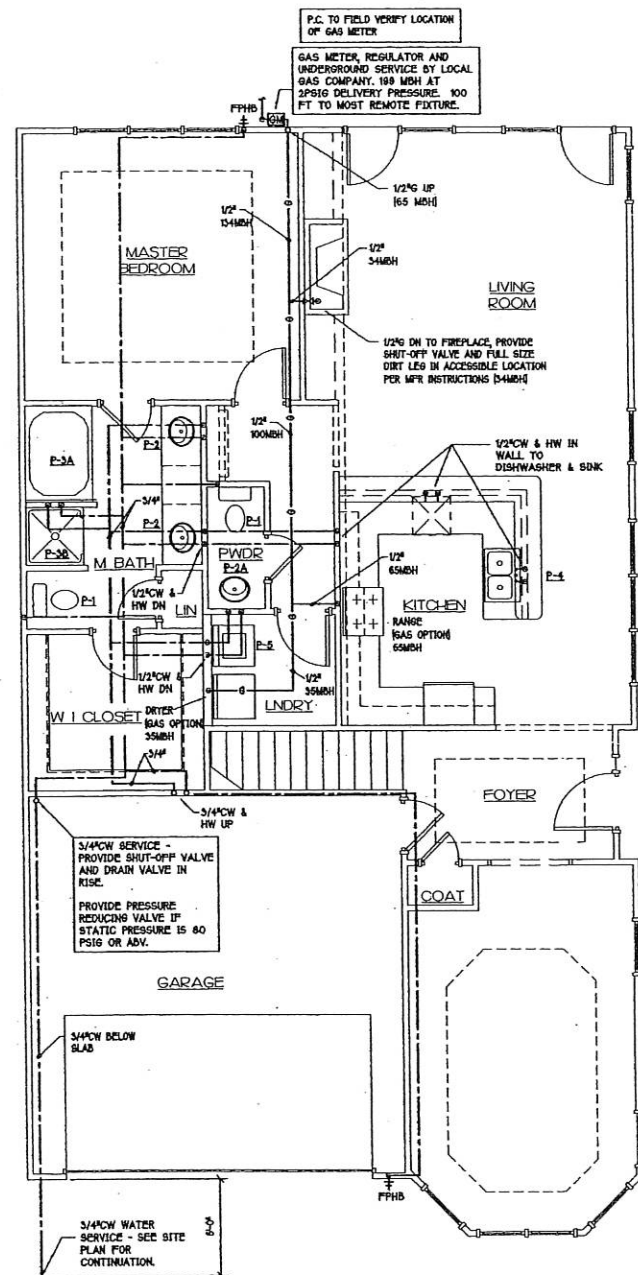
- PLUMBING NOTES FOR UNIT PLANS:**
- SEE SHEET P4 FOR FIXTURE SCHEDULE & CONNECTION SIZES.
 - ALL WATER SUPPLY LINES IN AN EXTERIOR WALL SHALL BE RUN ON INTERIOR SIDE OF WALL INSULATION.
 - PROVIDE SHUT-OFF VALVE IN EACH UNIT IN AN ACCESSIBLE LOCATION THAT CONTROLS ALL WATER SUPPLY TO THAT UNIT.
 - ALL WATER PIPING IS 1/2" UNLESS OTHERWISE NOTED.
 - PROVIDE ALL REQUIRED PLUMBING CONNECTIONS FOR DISHWASHER AND DISPOSAL IN EACH UNIT PER MFR RECOMMENDATIONS.
 - PROVIDE CLEANOUT AT THE BASE OF ALL WASTE STACKS.



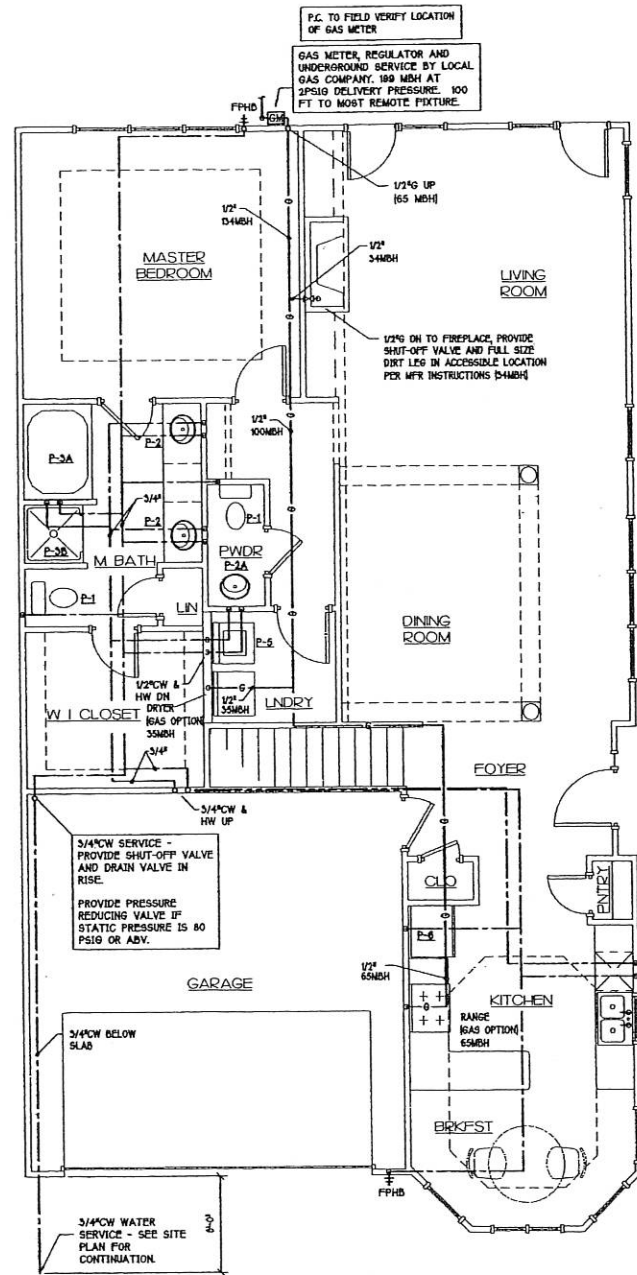
**LAKE SHORE
TOWN
HOMES**

Tega Cay,
South Carolina

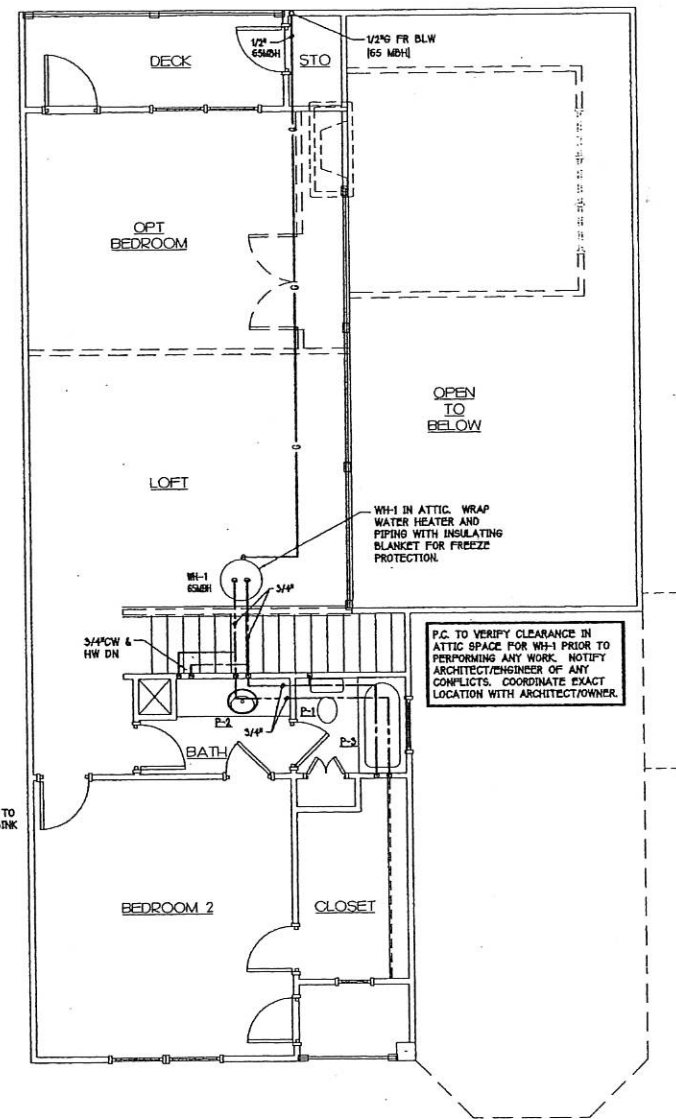
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1 FIRST FLOOR 2 STORY UNIT WATER & GAS PLAN
1/4" = 1'-0"



2 FIRST FLOOR 2 STORY UNIT (ALT) WATER & GAS PLAN
1/4" = 1'-0"



3 SECOND FLOOR 2 STORY UNIT WATER & GAS PLAN
1/4" = 1'-0"

PLUMBING NOTES FOR UNIT PLANS:

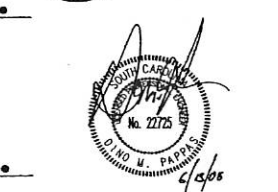
- SEE SHEET P8 FOR FIXTURE SCHEDULE & CONNECTION SIZES.
- ALL WATER SUPPLY LINES IN AN EXTERIOR WALL SHALL BE RUN ON INTERIOR SIDE OF WALL INSULATION.
- PROVIDE SHUT-OFF VALVE IN EACH UNIT IN AN ACCESSIBLE LOCATION THAT CONTROLS ALL WATER SUPPLY TO THAT UNIT.
- ALL WATER PIPING IS 1/2" UNLESS OTHERWISE NOTED.
- PROVIDE ALL REQUIRED PLUMBING CONNECTIONS FOR DISHWASHER AND DISPOSAL IN EACH UNIT PER MFR RECOMMENDATIONS.
- PROVIDE CLEANOUT AT THE BASE OF ALL WASTE STACKS.

GAS LOAD TABLE [2 STORY UNIT]	
LOW PRESSURE PRESSURE DROP: 0.5 IN.W.C. STEEL BCHD. 40I LENGTH 100 FT FITTINGS FACTOR: 13 EQUIVALENT TOTAL LENGTH 110 FT. CAPACITY OF PIPES IN INCH	HIGH PRESSURE ATMOSPHERIC PRESSURE: 14.6954 PSIA PS: 2 PSIG STEEL BCHD. 40I LENGTH 100 FT FITTINGS FACTOR: 13 EQUIVALENT TOTAL LENGTH 110 FT. CAPACITY OF PIPES IN INCH
1/2" 45	1/2" 44
3/4" 84	3/4" 87
1" 177	1" 177
1-1/4" 363	1-1/4" 363
1-1/2" 514	1-1/2" 514
2" 1047	2" 1047
2-1/2" 1668	2-1/2" 1668

NOTE:
GAS PIPING IS SIZED FOR 2PSI CONTRACTOR SHALL PROVIDE AN ALTERNATE BID FOR LOW PRESSURE PIPING.
CONTRACTOR SHALL VERIFY THE AVAILABILITY OF 2PSI SERVICE BEFORE ANY WORK HAS BEGAN AND NOTIFY ARCHITECT IN WRITING OF AVAILABLE SERVICE.



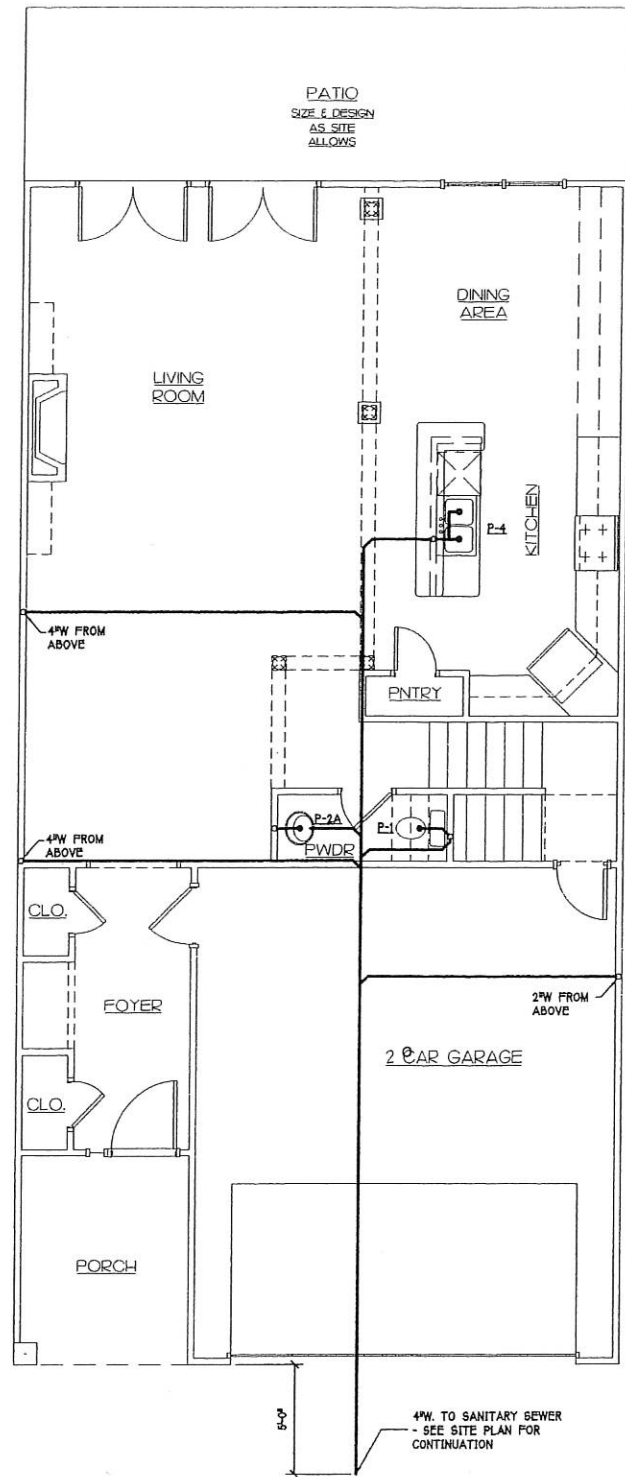
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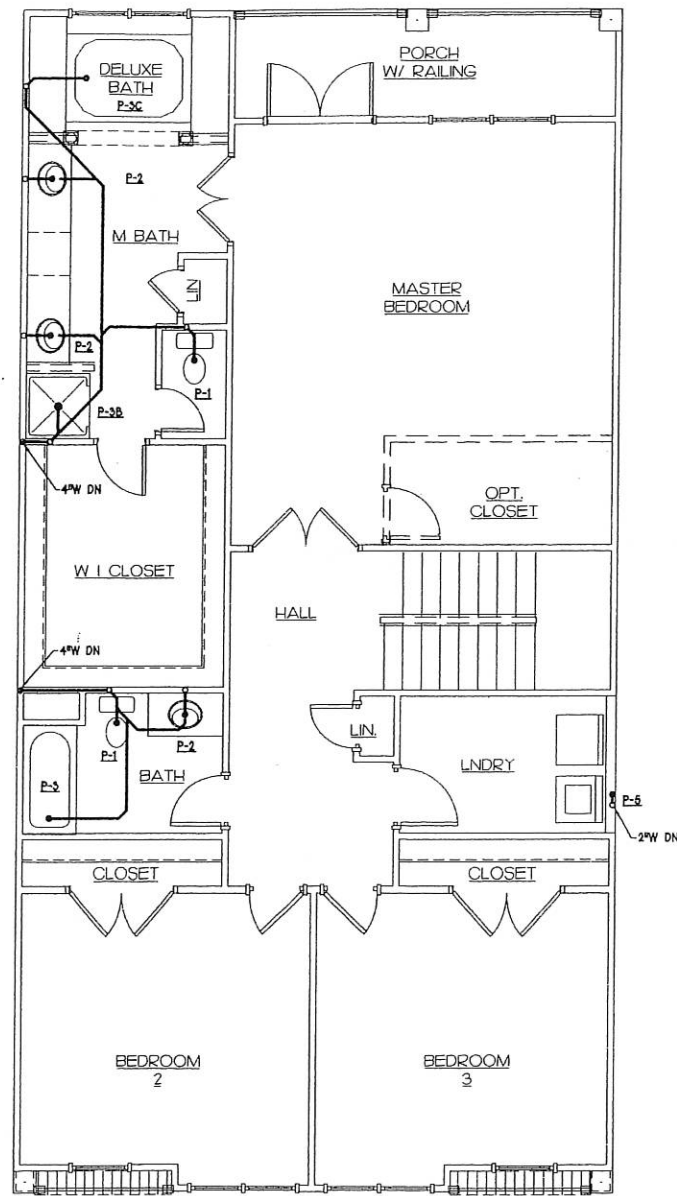
LAKE SHORE TOWN HOMES

Tega Cay, South Carolina

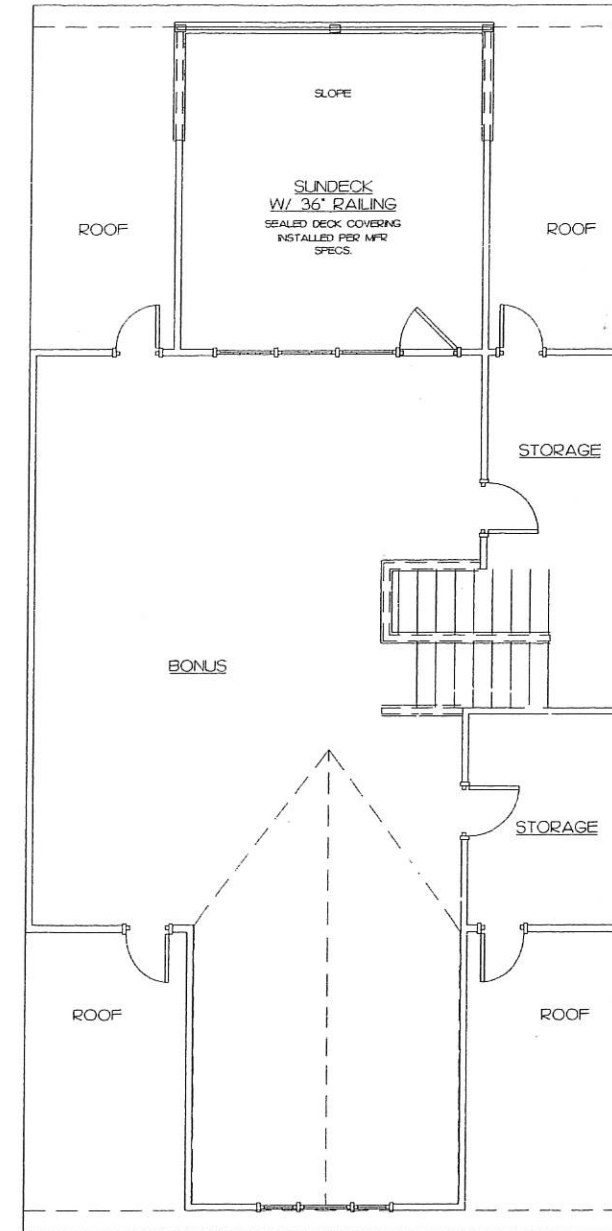
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1 FIRST FLOOR THREE STORY UNIT SANITARY PLAN
1/4" = 1'-0"



2 SECOND FLOOR THREE STORY UNIT SANITARY PLAN
1/4" = 1'-0"



3 THIRD FLOOR THREE STORY UNIT SANITARY PLAN
1/4" = 1'-0"

- PLUMBING NOTES FOR UNIT PLANS:**
- SEE SHEET P9 FOR FIXTURE SCHEDULE & CONNECTION SIZES.
 - ALL WATER SUPPLY LINES IN AN EXTERIOR WALL SHALL BE RUN ON INTERIOR SIDE OF WALL INSULATION.
 - PROVIDE SHUT-OFF VALVE IN EACH UNIT IN AN ACCESSIBLE LOCATION THAT CONTROLS ALL WATER SUPPLY TO THAT UNIT.
 - ALL WATER PIPING IS 1/2" UNLESS OTHERWISE NOTED.
 - PROVIDE ALL REQUIRED PLUMBING CONNECTIONS FOR DISHWASHER AND DISPOSAL IN EACH UNIT PER MFR RECOMMENDATIONS.
 - PROVIDE CLEANOUT AT THE BASE OF ALL WASTE STACKS.

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SOUTH CAROLINA
Professional Engineer
No. 22775
1/9/05

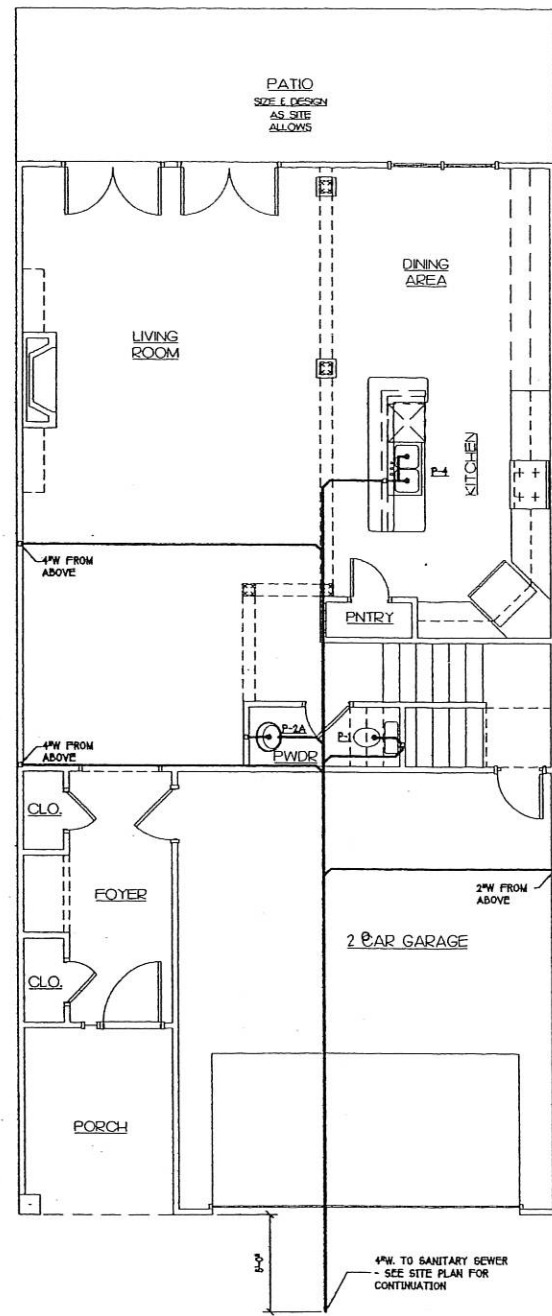
SOUTH CAROLINA
Professional Engineer
No. 002750

**LAKE SHORE
TOWN
HOMES**

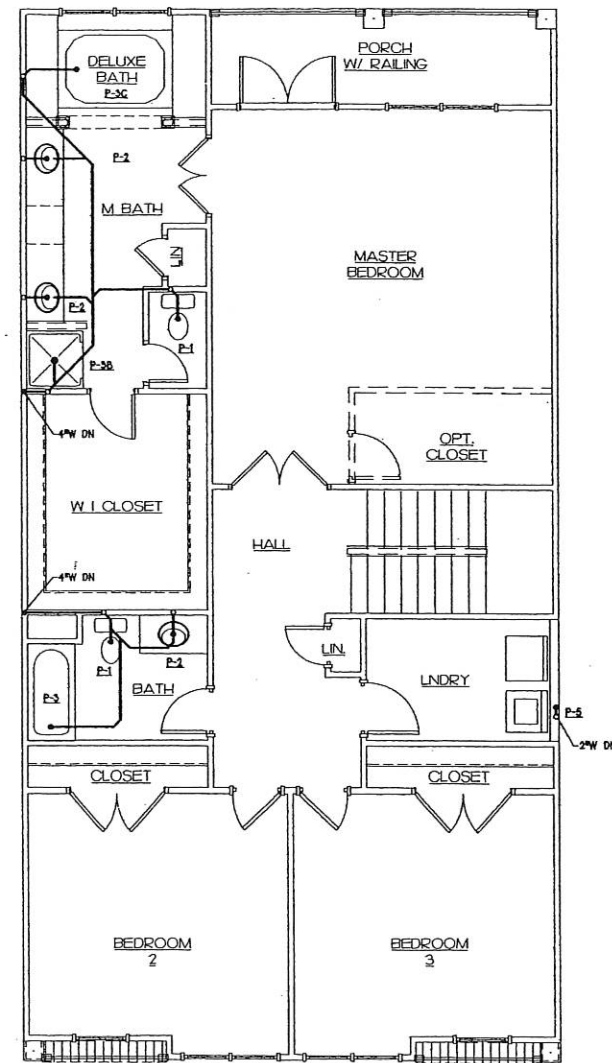
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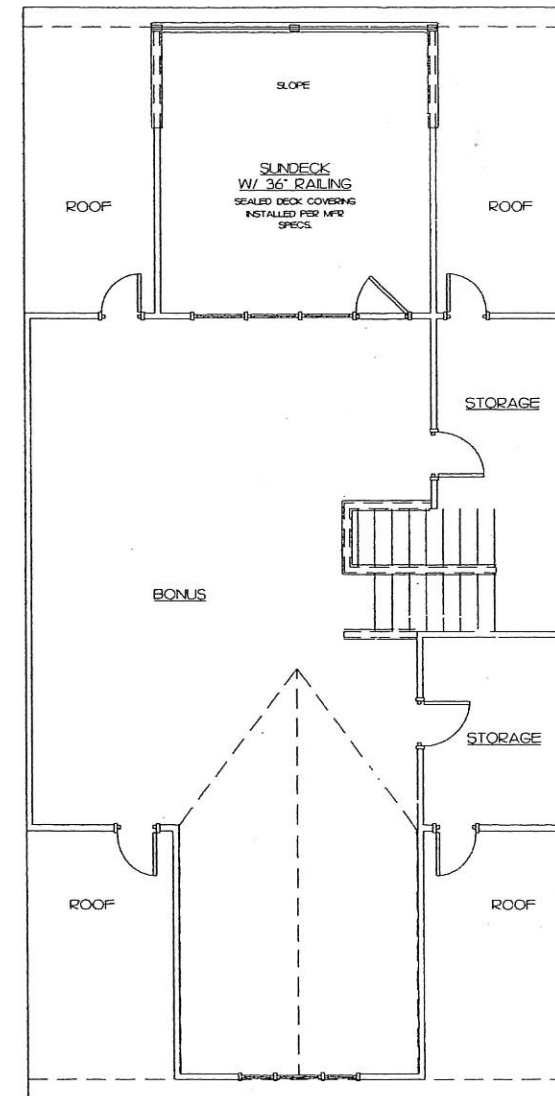
P3
TYPICAL 3 STORY UNIT
SANITARY PLANS



1 FIRST FLOOR THREE STORY UNIT SANITARY PLAN
1/4" = 1'-0"



2 SECOND FLOOR THREE STORY UNIT SANITARY PLAN
1/4" = 1'-0"



3 THIRD FLOOR THREE STORY UNIT SANITARY PLAN
1/4" = 1'-0"

PLUMBING NOTES FOR UNIT PLANS:

1. SEE SHEET P8 FOR FIXTURE SCHEDULE & CONNECTION SIZES.
2. ALL WATER SUPPLY LINES IN AN EXTERIOR WALL SHALL BE RUN ON INTERIOR SIDE OF WALL INSULATION.
3. PROVIDE SHUT-OFF VALVE IN EACH UNIT IN AN ACCESSIBLE LOCATION THAT CONTROLS ALL WATER SUPPLY TO THAT UNIT.
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6. PROVIDE CLEANOUT AT THE BASE OF ALL WASTE STACKS.



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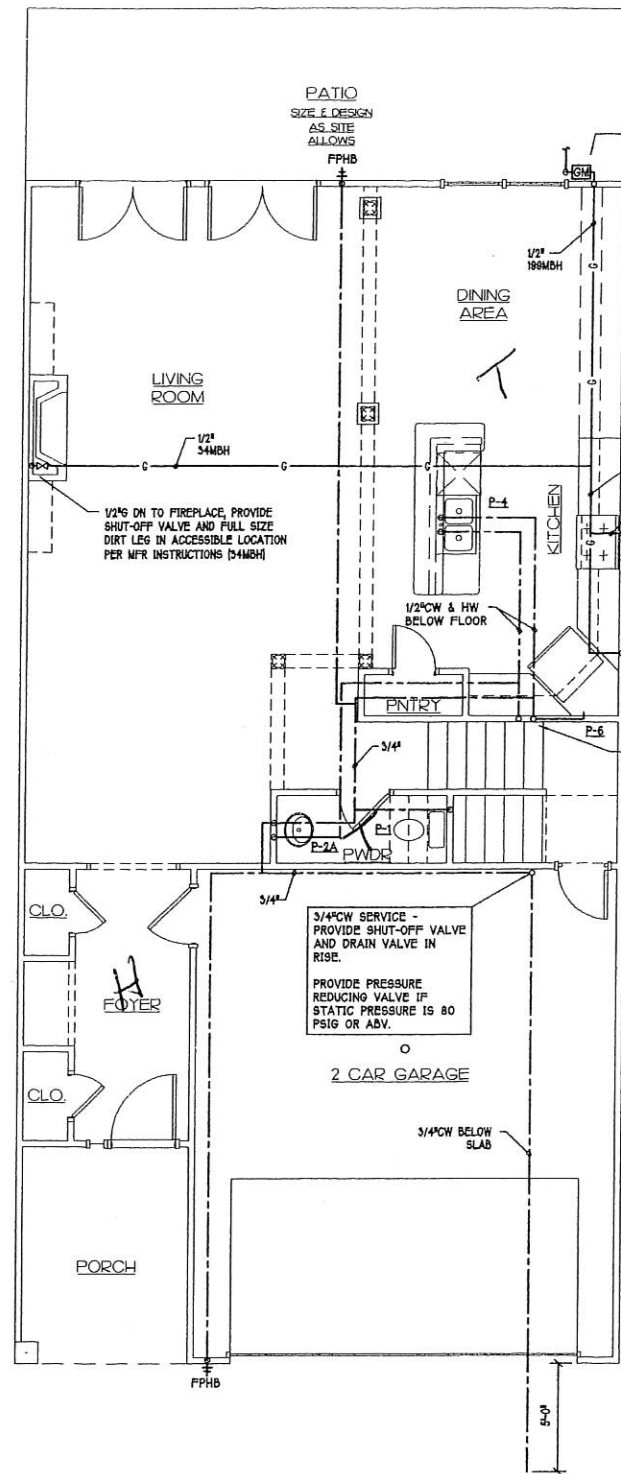
LAKE SHORE
TOWN
HOMES

Tega Cay,
South Carolina

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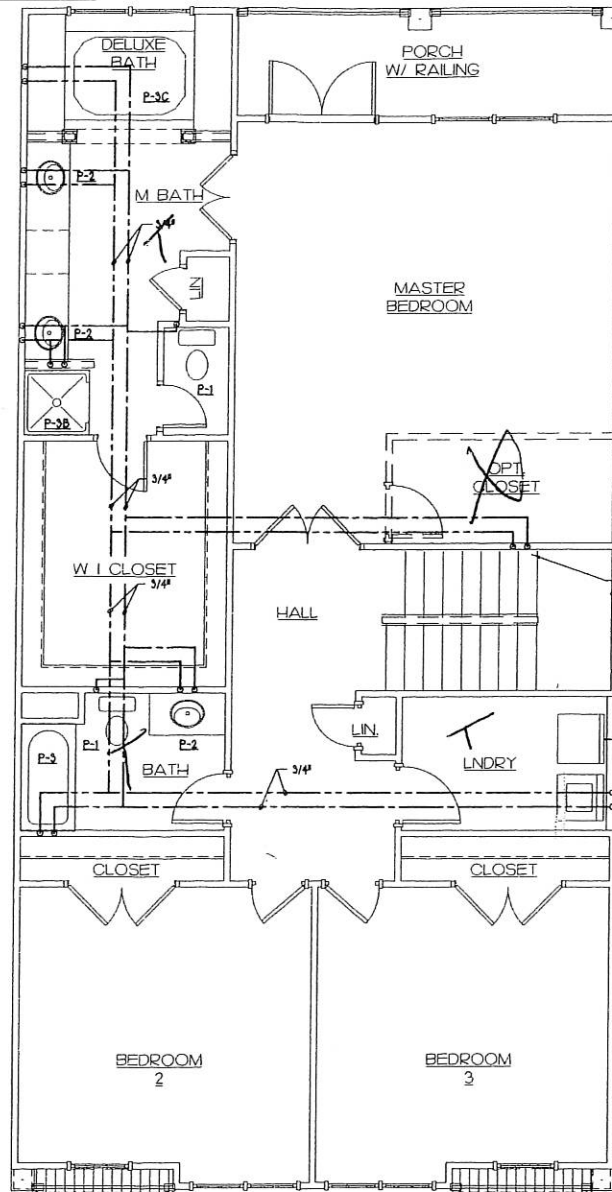
P3

TYPICAL 3 STORY UNIT
SANITARY PLANS

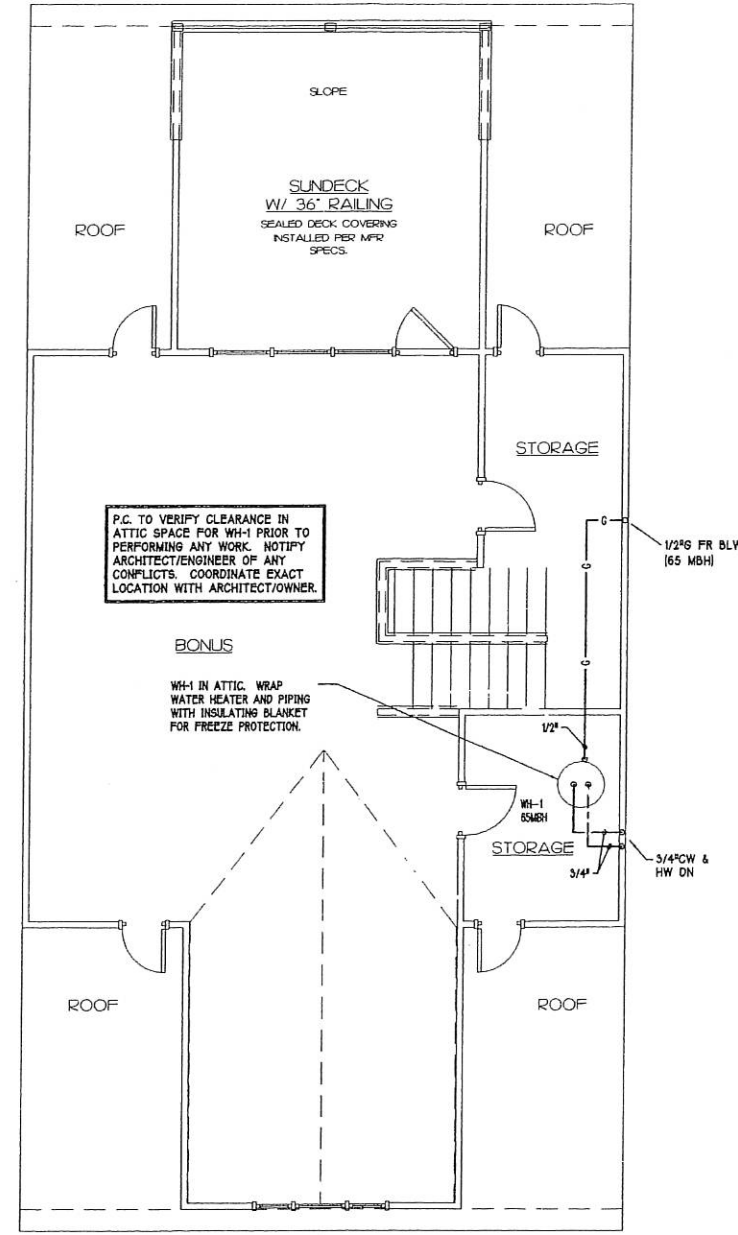


1 FIRST FLOOR THREE STORY UNIT WATER & GAS PLAN
1/4" = 1'-0"

P.C. TO FIELD VERIFY LOCATION OF GAS METER
GAS METER, REGULATOR AND UNDERGROUND SERVICE BY LOCAL GAS COMPANY. 100 MBH AT 2PSIG DELIVERY PRESSURE. 100 FT TO MOST REMOTE FIXTURE.



2 SECOND FLOOR THREE STORY UNIT WATER & GAS PLAN
1/4" = 1'-0"



3 THIRD FLOOR THREE STORY UNIT WATER & GAS PLAN
1/4" = 1'-0"

PLUMBING NOTES FOR UNIT PLANS:

- SEE SHEET P8 FOR FIXTURE SCHEDULE & CONNECTION SIZES.
- ALL WATER SUPPLY LINES IN AN EXTERIOR WALL SHALL BE RUN ON INTERIOR SIDE OF WALL INSULATION.
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- PROVIDE CLEANOUT AT THE BASE OF ALL WASTE STACKS.

GAS LOAD TABLE (3 STORY UNIT)	
LOW PRESSURE PRESSURE DROP: 0.5 IN.W.C. STEEL (SCHD. 40) LENGTH: 100 FT FITTINGS FACTOR: 12 EQUIVALENT TOTAL LENGTH: 120 FT. CAPACITY OF PIPES IN MBH	
1/2"	45
3/4"	84
1"	177
1-1/4"	363
1-1/2"	544
2"	1047
2-1/2"	1668
HIGH PRESSURE ATMOSPHERIC PRESSURE: 14.6954 PSIA PS: 2 PSIG PL: 1 PSIG STEEL (SCHD. 40) LENGTH: 100 FT FITTINGS FACTOR: 12 EQUIVALENT TOTAL LENGTH: 120 FT. CAPACITY OF PIPES IN MBH	
1/2"	414
3/4"	867
1"	1632
1-1/4"	3351

NOTE:
GAS PIPING IS SIZED FOR 2PSI CONTRACTOR SHALL PROVIDE AN ALTERNATE BID FOR LOW PRESSURE PIPING.
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South Carolina State Board of Professional and Technical Registration
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South Carolina State Board of Professional and Technical Registration

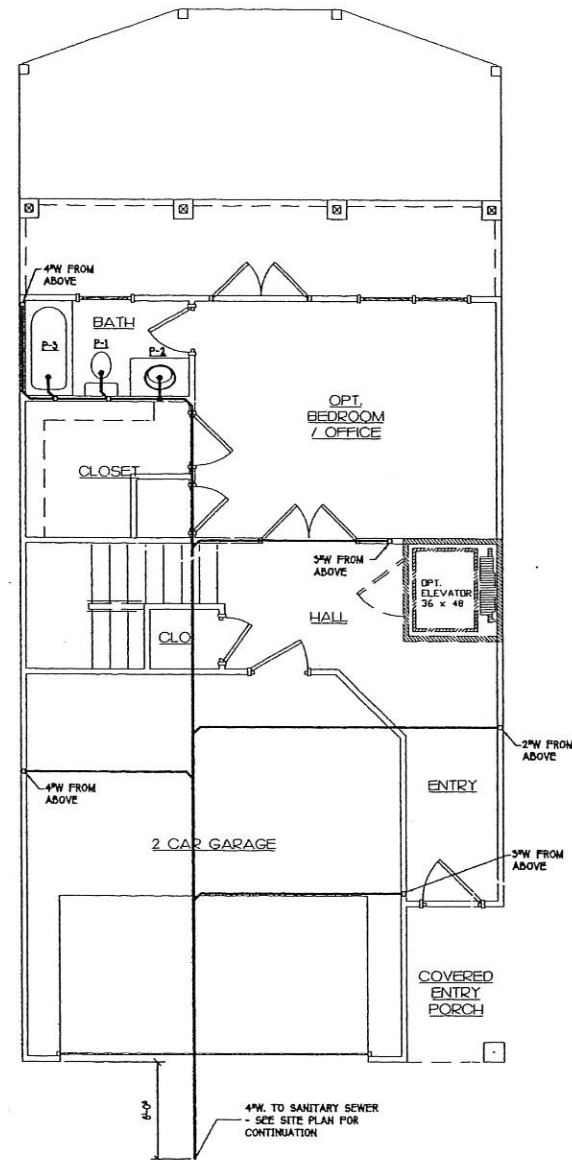
LAKE SHORE
TOWN
HOMES

Tega Cay,
South Carolina

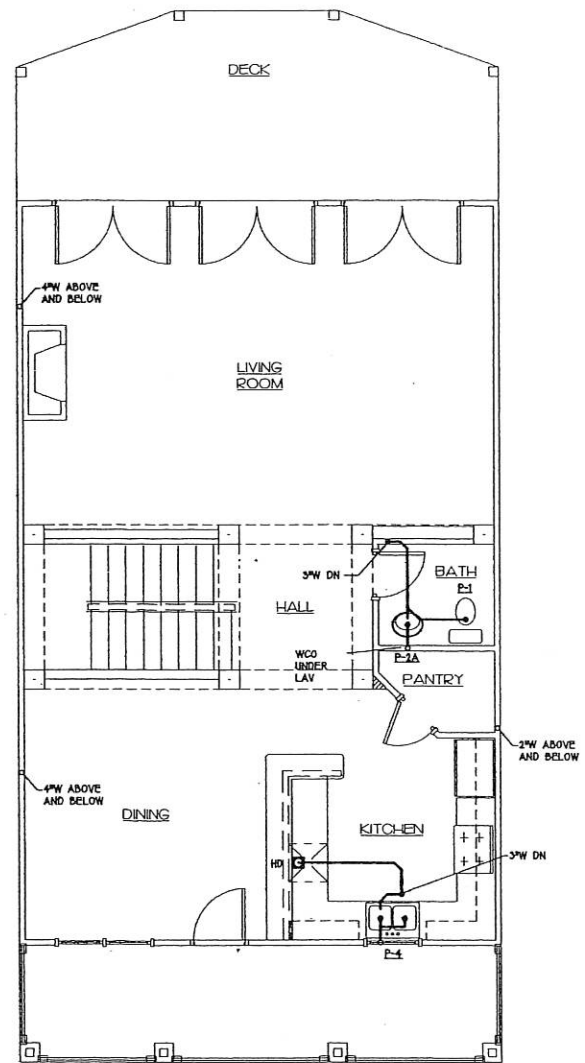
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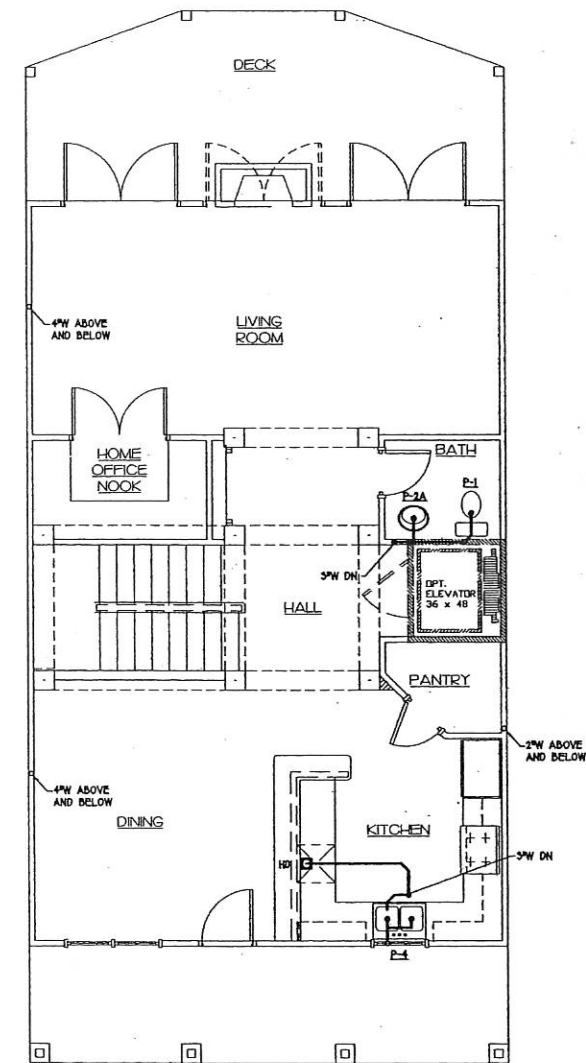
TYPICAL 3 STORY UNIT
WATER & GAS PLANS



1 FIRST FLOOR FOUR STORY UNIT SANITARY PLAN
1/4" = 1'-0"



2 SECOND FLOOR FOUR STORY UNIT SANITARY PLAN
1/4" = 1'-0"



3 SECOND FLOOR FOUR STORY UNIT (ALT) SANITARY PLAN
1/4" = 1'-0"

PLUMBING NOTES FOR UNIT PLANS:

- SEE SHEET P3 FOR FIXTURE SCHEDULE & CONNECTION SIZES.
- ALL WATER SUPPLY LINES IN AN EXTERIOR WALL SHALL BE RUN ON INTERIOR SIDE OF WALL INSULATION.
- PROVIDE SHUT-OFF VALVE IN EACH UNIT IN AN ACCESSIBLE LOCATION THAT CONTROLS ALL WATER SUPPLY TO THAT UNIT.
- ALL WATER PIPING IS 1/2" UNLESS OTHERWISE NOTED.
- PROVIDE ALL REQUIRED PLUMBING CONNECTIONS FOR DISHWASHER AND DISPOSAL IN EACH UNIT PER MFR RECOMMENDATIONS.
- PROVIDE CLEANOUT AT THE BASE OF ALL WASTE STACKS.



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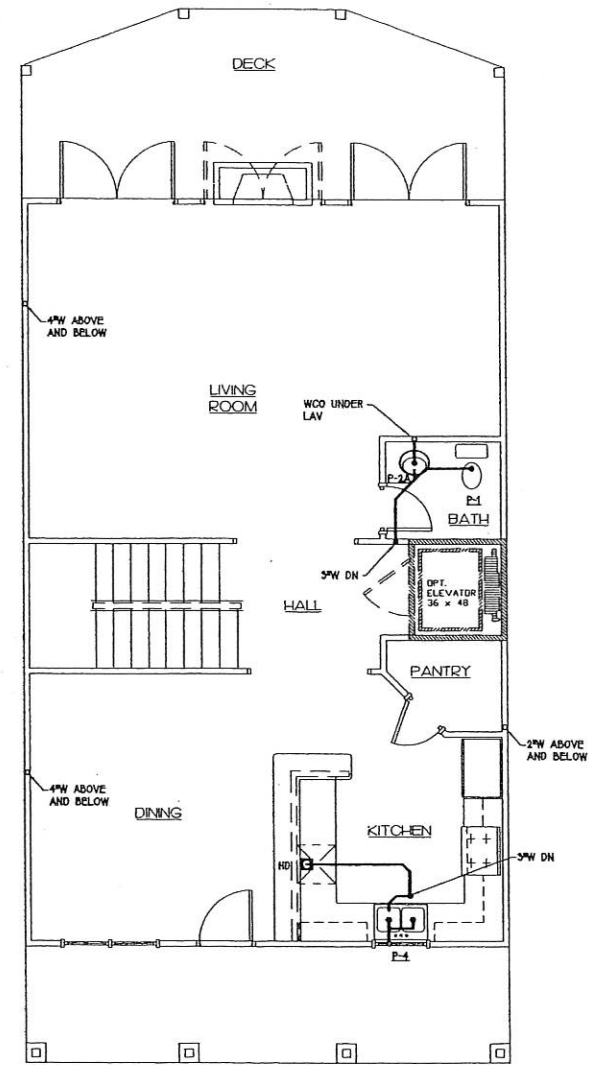
LAKE SHORE TOWN HOMES

Tego Cay, South Carolina

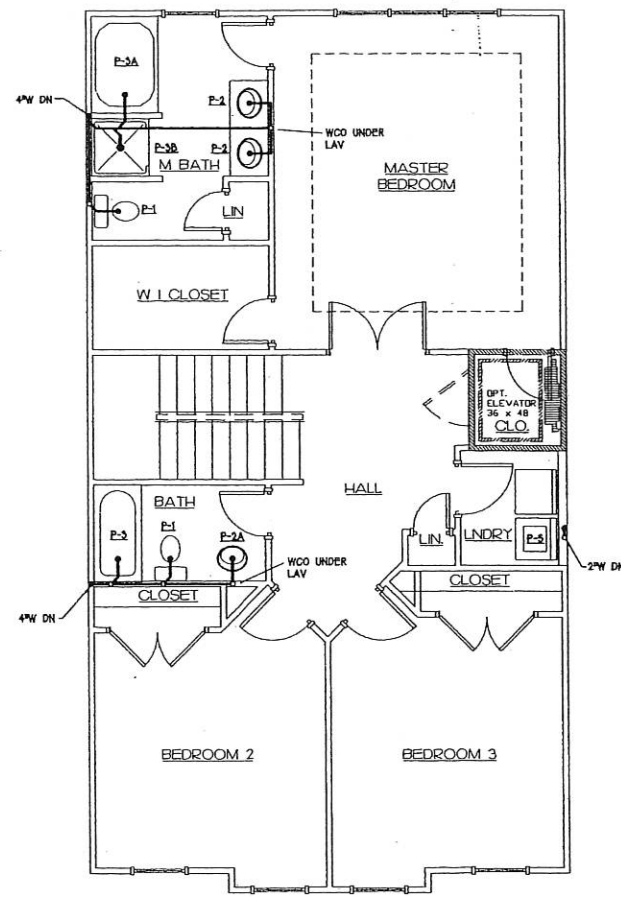
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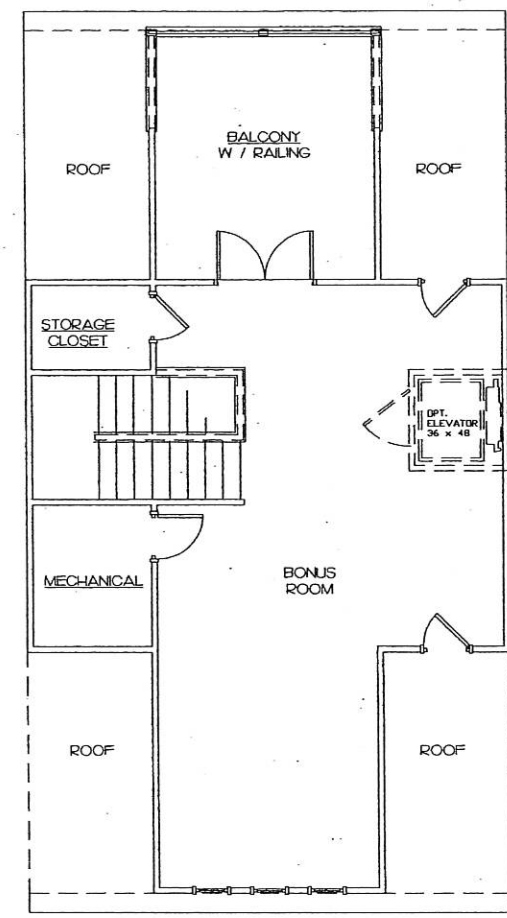
TYPICAL 4 STORY UNIT SANITARY PLANS



1 SECOND FLOOR FOUR STORY UNIT (ELEV) SANITARY PLAN
1/4" = 1'-0"



2 THIRD FLOOR FOUR STORY UNIT SANITARY PLAN
1/4" = 1'-0"



3 FOURTH FLOOR FOUR STORY UNIT SANITARY PLAN
1/4" = 1'-0"

- PLUMBING NOTES FOR UNIT PLANS:**
1. SEE SHEET P8 FOR FIXTURE SCHEDULE & CONNECTION SIZES.
 2. ALL WATER SUPPLY LINES IN AN EXTERIOR WALL SHALL BE RUN ON INTERIOR SIDE OF WALL INSULATION.
 3. PROVIDE SHUT-OFF VALVE IN EACH UNIT IN AN ACCESSIBLE LOCATION THAT CONTROLS ALL WATER SUPPLY TO THAT UNIT.
 4. ALL WATER PIPING IS 1/2" UNLESS OTHERWISE NOTED.
 5. PROVIDE ALL REQUIRED PLUMBING CONNECTIONS FOR DISHWASHER AND DISPOSAL IN EACH UNIT PER MFR RECOMMENDATIONS.
 6. PROVIDE CLEANOUT AT THE BASE OF ALL WASTE STACKS.



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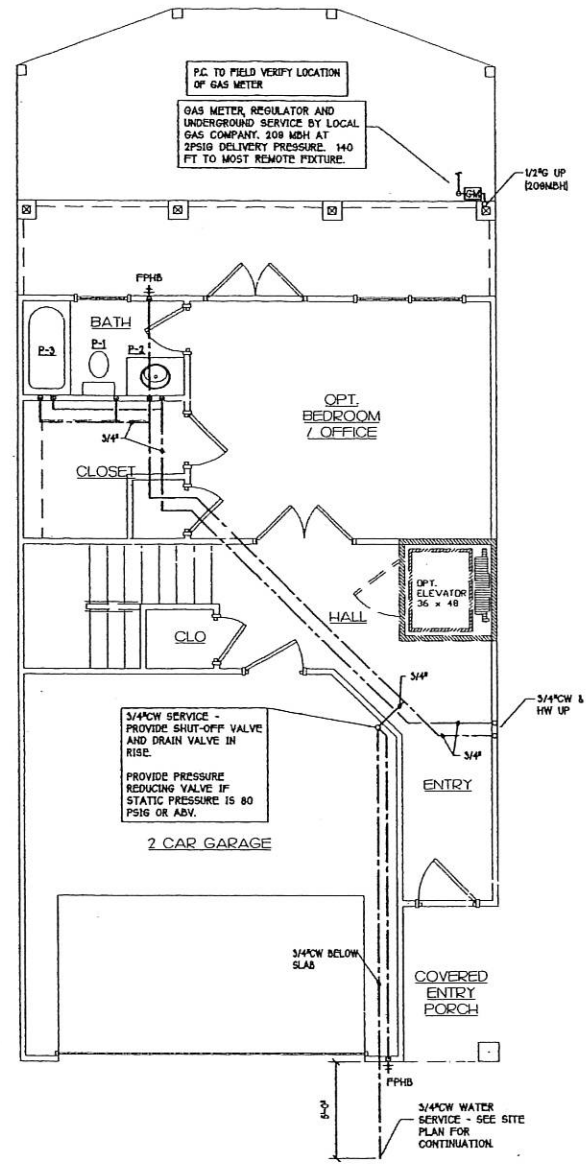
LAKE SHORE TOWN HOMES

Tega Cay, South Carolina

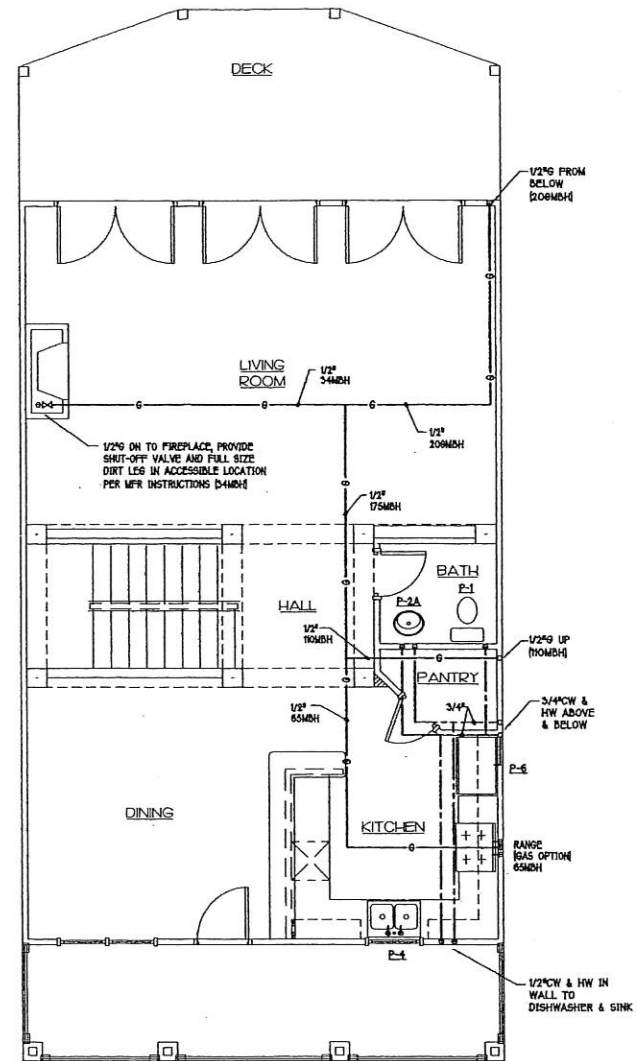
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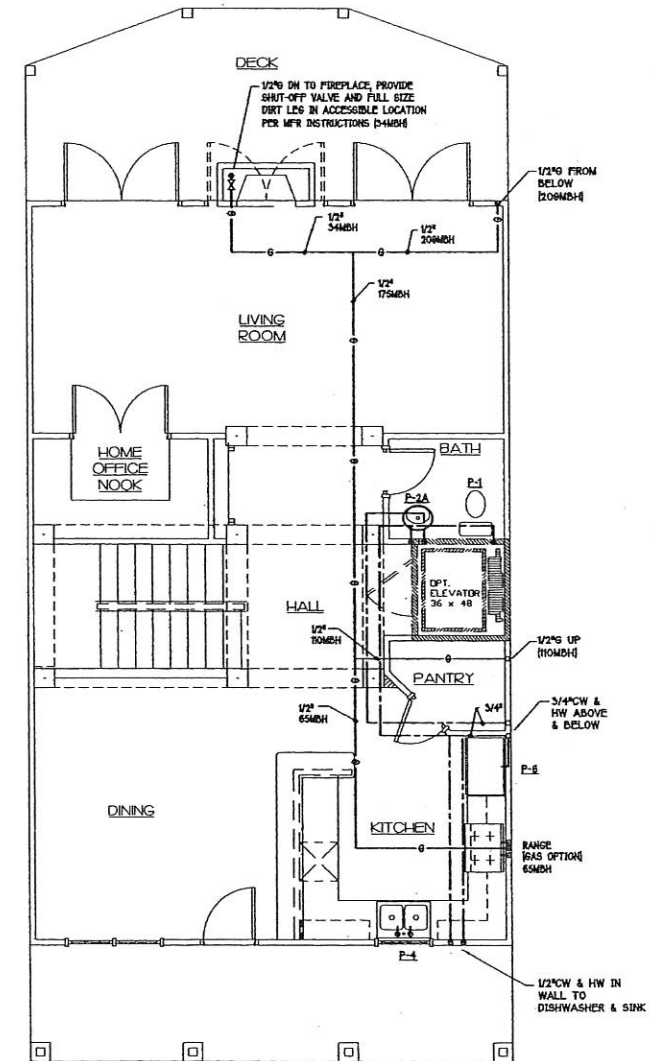
TYPICAL 4 STORY UNIT SANITARY PLANS



1 FIRST FLOOR FOUR STORY UNIT WATER & GAS PLAN
1/4" = 1'-0"



2 SECOND FLOOR FOUR STORY UNIT WATER & GAS PLAN
1/4" = 1'-0"

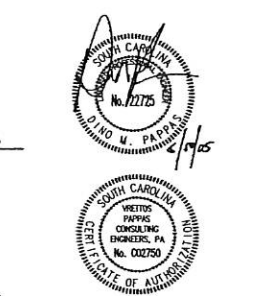


3 SECOND FLOOR FOUR STORY UNIT (ALT) WATER & GAS PLAN
1/4" = 1'-0"

- PLUMBING NOTES FOR UNIT PLANS:**
- SEE SHEET P8 FOR FIXTURE SCHEDULE & CONNECTION SIZES.
 - ALL WATER SUPPLY LINES IN AN EXTERIOR WALL SHALL BE RUN ON INTERIOR SIDE OF WALL INSULATION.
 - PROVIDE SHUT-OFF VALVE IN AN ACCESSIBLE LOCATION THAT CONTROLS ALL WATER SUPPLY TO THAT UNIT.
 - ALL WATER PIPING IS 1/2" UNLESS OTHERWISE NOTED.
 - PROVIDE ALL REQUIRED PLUMBING CONNECTIONS FOR DISHWASHER AND DISPOSAL IN EACH UNIT PER MFR RECOMMENDATIONS.
 - PROVIDE CLEANOUT AT THE BASE OF ALL WASTE STACKS.

GAS LOAD TABLE (4 STORY UNIT)	
LOW PRESSURE	HIGH PRESSURE
PRESSURE DROP: 0.5 IN.W.C.	ATMOSPHERIC PRESSURE: 14.6954 PSIA
STEEL, SCH. 40	P1: 1 PSIG
LENGTH: 140 FT.	P2: 1 PSIG
FITTINGS FACTOR: 1.2	STEEL, SCH. 40
EQUIVALENT TOTAL LENGTH: 168 FT.	LENGTH: 140 FT.
CAPACITY OF PIPES IN MSH	FITTINGS FACTOR: 1.2
1/2" 37	EQUIVALENT TOTAL LENGTH: 168 FT.
3/4" 78	CAPACITY OF PIPES IN MSH
1" 147	1/2" 345
1-1/4" 301	3/4" 712
1-1/2" 453	1" 1261
2" 875	1-1/4" 2794
2-1/2" 1291	

NOTE:
GAS PIPING IS SIZED FOR 2PSI CONTRACTOR SHALL PROVIDE AN ALTERNATE BID FOR LOW PRESSURE PIPING.
CONTRACTOR SHALL VERIFY THE AVAILABILITY OF 2PSI SERVICE BEFORE ANY WORK HAS BEGAN AND NOTIFY ARCHITECT IN WRITING OF AVAILABLE SERVICE.

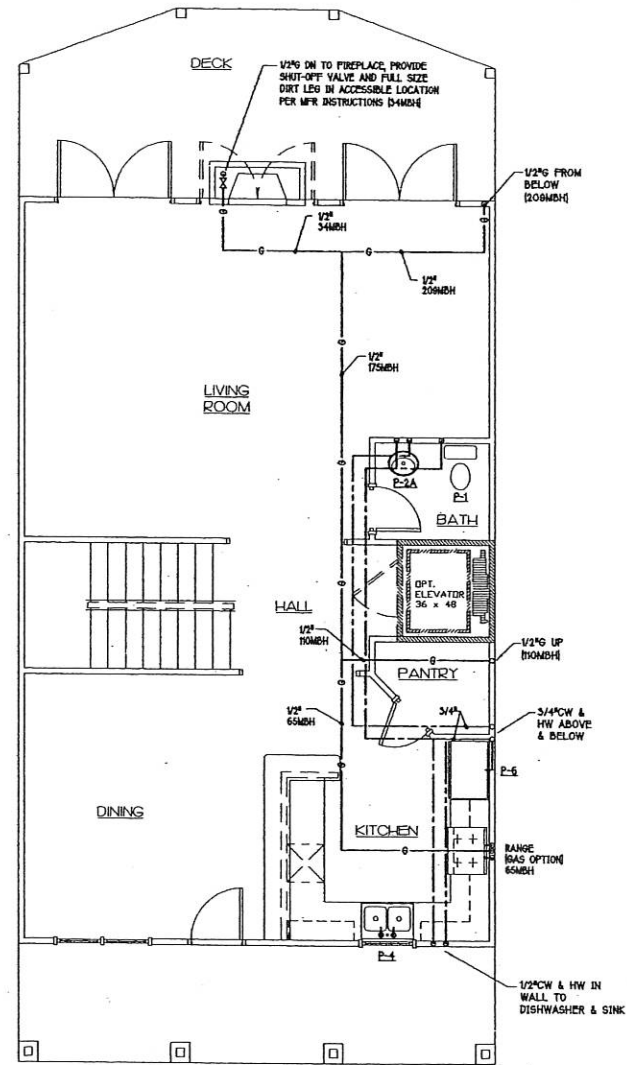


LAKE SHORE
TOWN
HOMES

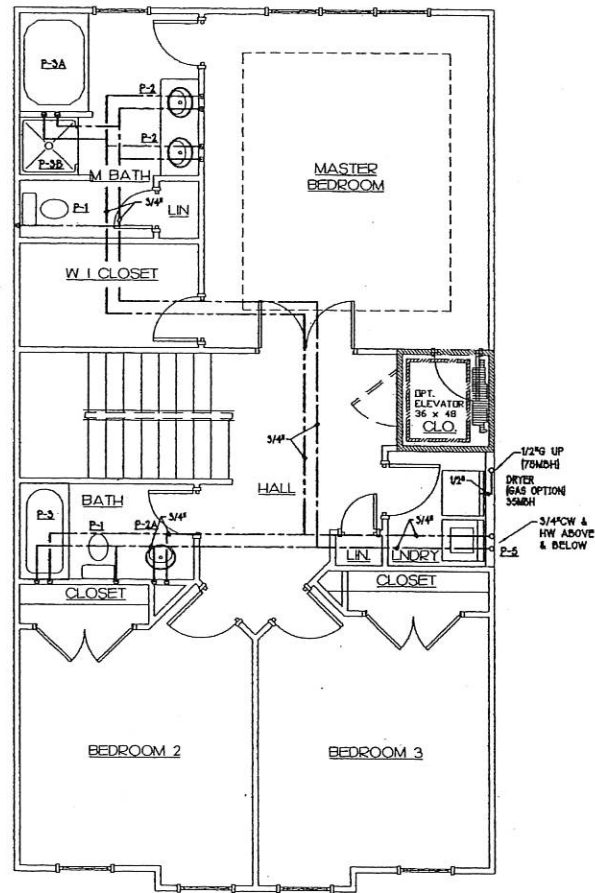
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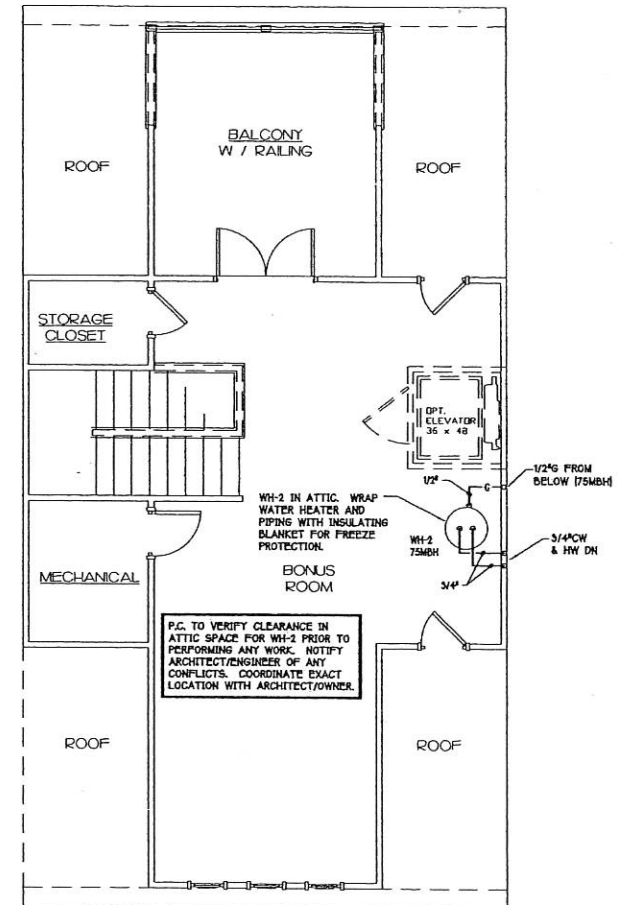
P7
TYPICAL 4 STORY UNIT
WATER & GAS PLANS



1 SECOND FLOOR FOUR STORY UNIT (ELEV) WATER & GAS PLAN
1/4" = 1'-0"



2 THIRD FLOOR FOUR STORY UNIT WATER & GAS PLAN
1/4" = 1'-0"



3 FOURTH FLOOR FOUR STORY UNIT WATER & GAS PLAN
1/4" = 1'-0"

PLUMBING NOTES FOR UNIT PLANS:

1. SEE SHEET P8 FOR FIXTURE SCHEDULE & CONNECTION SIZES.
2. ALL WATER SUPPLY LINES IN AN EXTERIOR WALL SHALL BE RUN ON INTERIOR SIDE OF WALL INSULATION.
3. PROVIDE SHUT-OFF VALVE IN EACH UNIT IN AN ACCESSIBLE LOCATION THAT CONTROLS ALL WATER SUPPLY TO THAT UNIT.
4. ALL WATER PIPING IS 1/2" UNLESS OTHERWISE NOTED.
5. PROVIDE ALL REQUIRED PLUMBING CONNECTIONS FOR DISHWASHER AND DISPOSAL IN EACH UNIT PER MFR RECOMMENDATIONS.
6. PROVIDE CLEANOUT AT THE BASE OF ALL WASTE STACKS.



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P8

TYPICAL 4 STORY UNIT
WATER & GAS PLANS

- ### PLUMBING GENERAL NOTES
- FURNISH ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED FOR THE COMPLETION AND OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK IN ACCORDANCE WITH ALL APPLICABLE CODES.
 - FURNISH AND INSTALL COMPLETE SYSTEMS OF SOIL, WASTE, AND VENT PIPING FROM ALL PLUMBING FIXTURES, AND/OR OTHER EQUIPMENT.
 - CLEANOUT PLUGS SHALL BE INSTALLED IN ACCORDANCE WITH PLUMBING CODE REQUIREMENTS AT EACH CHANGE IN DIRECTION. CLEANOUTS SHALL BE PLACED IN READILY ACCESSIBLE LOCATIONS.
 - ALL SOIL, WASTE AND VENT LINES SHALL BE CONCEALED IN THE BUILDING CONSTRUCTION.
 - FURNISH AND INSTALL A COMPLETE SYSTEM OF HOT AND COLD WATER AND WASTE PIPING FROM EXISTING SUPPLIES TO ALL FIXTURES AND/OR EQUIPMENT REQUIRING THIS SERVICE. VERIFY LOCATION OF EXISTING POINTS.
 - COPPER PIPING SHALL BE PROTECTED AGAINST CONTACT WITH MASONRY OR DISSIMILAR METALS. ALL HANGERS, SUPPORTS, ANCHORS, AND CLIPS SHALL BE COPPER OR COPPER PLATED. WHERE COPPER PIPING IS CARRIED ON IRON TRAP/CEILING HANGERS WITH OTHER PIPING, SATISFACTORY AND PERMANENT ELECTROLYTIC ISOLATION MATERIAL SHALL PROTECT THE COPPER AGAINST CONTACT WITH OTHER METALS.
 - WHERE COPPER PIPING IS SLEEVED THROUGH MASONRY, SLEEVES SHALL BE COPPER OR RED BRASS. WHERE COPPER MUST BE CONCEALED IN A MASONRY PARTITION OR AGAINST MASONRY, CONTACT SHALL BE PREVENTED BY COATING THE COPPER HEAVILY WITH ASPHALTIC ENAMEL AND PROVIDING 1/4" ASPHALT SATURATED FELT BETWEEN THE PIPE AND MASONRY.
 - THE PLUMBING CONTRACTOR SHALL COORDINATE CLOSELY WITH THE MECHANICAL AND THE ELECTRICAL CONTRACTORS TO AVOID CONFLICT WITH OTHER TRADES.
 - CEILING AREA HAS LIMITED SPACE. CONTRACTOR MUST COORDINATE WITH OTHER TRADES FOR ALL STRUCTURES, PIPING, CONDUIT, DUCTWORK, LIGHTING, ETC. TO PROPERLY BE INSTALLED.
 - INSULATION IS REQUIRED ON ALL WATER SUPPLY PIPING IN EXTERIOR WALLS, WATER HEATER CLOSET, AND SPRINKLER RISER ROOM AT LEAST 1/2" THICK AS PER SECTION 404.3, VOL. 4, NC806 AND AS APPROVED BY OHS/BJG.
 - COORDINATE INSTALLATION OF ALL PLUMBING LINES AT CMU WALLS SO THAT PLUMBING LINES ARE PLACED IN WALL DURING CMU WALL CONSTRUCTION. CUTTING AND PATCHING OF CMU WALLS IN PLACE WILL NOT BE PERMITTED.
 - WASTE AND VENT PIPING SHALL BE AS FOLLOWS:
BELOW SLAB: SCHEDULE 40 PVC
ABOVE GROUND: SCHEDULE 40 PVC
 - DOMESTIC WATER PIPING SHALL BE AS FOLLOWS:
BELOW SLAB: PLUMBING PEX PIPING
ABOVE GROUND: PLUMBING PEX PIPING
FOLLOW MFG INSTRUCTIONS FOR INSTALLATION AND OBTAIN APPROVAL FROM LOCAL JURISDICTION PRIOR TO INSTALLATION.
 - ALL COLD AND HOT WATER PIPING INDICATED TO BE RUN ABOVE FINISHED CEILING OR IN EXTERIOR WALL SHALL BE INSTALLED ON THE CONDITIONED SIDE OF THE BUILDING INSULATION.
 - INVERT ELEVATIONS SHALL BE ESTABLISHED AND VERIFIED BEFORE WASTE PIPING IS INSTALLED IN ORDER THAT PROPER SLOPES WILL BE MAINTAINED.
 - VERIFY BACKFLOW PREVENTOR REQUIREMENTS OF LOCAL AUTHORITY AND PROVIDE BACKFLOW PREVENTOR AS REQUIRED. COORDINATE LOCATION WITH OTHER TRADES.
 - VERIFY DOMESTIC WATER METER REQUIREMENTS OF LOCAL AUTHORITY AND PROVIDE DOMESTIC WATER METER AS REQUIRED. COORDINATE LOCATION WITH OTHER TRADES.
 - FIRE STOP ALL PENETRATIONS, BY PIPING OR CONDUITS, OF FIRE RATED WALLS, FLOORS AND PARTITIONS. PROVIDE A DEVICE(S) OR SYSTEM(S) WHICH HAS BEEN TESTED AND LISTED AS COMPLYING WITH ASTM E-814

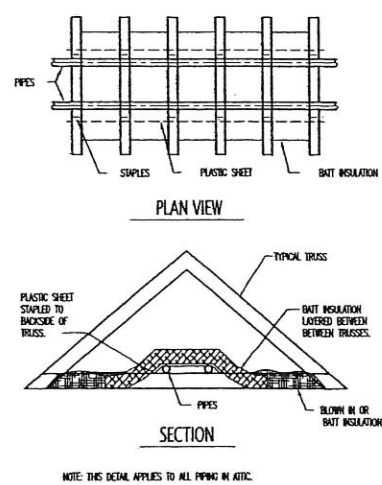
PLUMBING LEGEND

—	DOMESTIC COLD WATER PIPING
—	100°F DOMESTIC HOT WATER PIPING
—	WASTE PIPING
—	WASTE (SANITARY SEWER)
—	GAS PIPING
—	GATE VALVE
—	BALANCING VALVE
—	CHECK VALVE
—	PIPE UP
—	PIPE DOWN
—	FIXTURE DESIGNATION
A.F.F.	ABOVE FINISHED FLOOR
P.C.	PLUMBING SUB-CONTRACTOR
G.C.	GENERAL CONTRACTOR
M.C.	MECHANICAL SUB-CONTRACTOR
E.C.	ELECTRICAL SUB-CONTRACTOR
FCO	FLOOR CLEAN OUT
WCO	WALL CLEAN OUT
YCO	YARD CLEAN OUT
FPFB	FREEZE PROOF HOSE BIBS
F.D.	FLOOR DRAIN
CW	COLD WATER
HW	HOT WATER
HD	HUB DRAIN

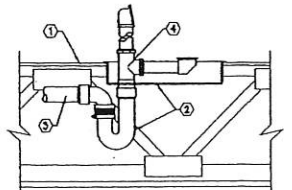
- ### GAS PIPING NOTES
- WORK TO INCLUDE PIPING FROM GAS METERS TO ALL GAS FIRED EQUIPMENT AND THE FINAL CONNECTION.
 - ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL CODE REQUIREMENTS, AND THE PROVISIONS OF NFPA-54 AND NFPA-58.
 - THE CONTRACTOR SHALL SUPPLY ALL PERMITS AND LICENSES REQUIRED FOR THE WORK, AND FOR ALL INSPECTIONS REQUIRED.
 - PIPE 2" AND SMALLER SHALL BE TRACPIPE AS MFG BY ONEGAFLEX OR EQUAL.
 - VALVES SHALL BE GAS COOKS MANUFACTURED BY NIBCO.
 - ALL GAS PIPING LOCATED UNDER THE FLOOR SLABS SHALL BE INSTALLED IN CONDUIT OR AS REQUIRED BY CODE.
 - PROVIDE DIRT TRAPS AND SHUT-OFF VALVES WITH UNIONS AT EACH CONNECTION TO GAS FIRED EQUIPMENT.
 - ALL PIPING EXPOSED TO THE OUTDOORS OR RUN IN UNCONDITIONED SPACES SHALL BE PAINTED WITH TWO COATS OF RUST RESISTANT ENAMEL.

PLUMBING FIXTURE SPECIFICATIONS AND CONNECTION SCHEDULE

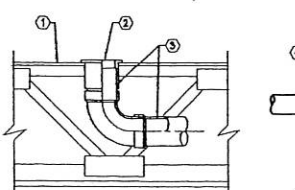
MARK	FIXTURE	TYPE	MANUFACTURER	MODEL NO.	MATERIAL	STYLE	FAUCET/VALVE			DRAIN	PIPE SIZES	MOUNTING	REMARKS		
							SPOUT	HANDLES	CENTERS						
E-1	WATER CLOSET	FLUSH	STERLING	40225	VITREOUS CHINA	STANDARD ELONGATED	—	—	—	—	—	FLOOR	PROVIDE WITH KOHLER KC-4664-O ELONGATED CLOSED FRONT SEAT (NO FLUSHY PLASTIC SEATS ALLOWED)		
E-2	LAVATORY	COUNTER TOP	STERLING	7503040	VIKRELL	COUNTER TOP	STANDARD	SINGLE LEVER	4"	POP-UP	1-1/2"	1-1/2"	COUNTER TOP		
E-2A	LAVATORY	PEDESTAL SINK	STERLING	442428	VITREOUS CHINA	PEDESTAL	STANDARD	TWO LEVER	4"	POP-UP	1-1/2"	1-1/2"	COUNTER TOP		
E-3	TUB AND SHOWER	GARDEN TUBE	STERLING	ENSEMBLE 3660	VIKRELL	GARDEN TUBE	—	SINGLE LEVER	—	CAST INTEGRAL	2"	—	FLOOR	FRONT APRON EXTENDED SPOUT. DELTA RP3596 TUB SPOUTS MUST REACH OUT OVER EDGE OF TUB.	
E-3A	TUB	GARDEN TUBE	STERLING	ENSEMBLE 4260	VIKRELL	GARDEN TUBE	—	SINGLE LEVER	—	CAST INTEGRAL	2"	—	FLOOR	FRONT APRON EXTENDED SPOUT. DELTA RP3596 TUB SPOUTS MUST REACH OUT OVER EDGE OF TUB.	
E-3B	SHOWER	BUILT-IN TYPE	STERLING	ENSEMBLE 3604	VIKRELL	STANDARD SHOWER	—	SINGLE LEVER	—	CAST INTEGRAL	2"	—	FLOOR	FRONT APRON EXTENDED SPOUT. DELTA RP3596	
E-3C	TUB	GARDEN TUBE	ELIER (OR EQUAL)	DAKOTA 4872	HIGH-GLOSS ACRYLIC	GARDEN TUBE	—	SINGLE LEVER	—	CAST INTEGRAL	2"	—	FLOOR		
E-4	SINK	DOUBLE COMP	KOHLER	K-3198-4	STAINLESS STEEL	8" DEEP	—	SINGLE LEVER	8"	CRUMB CUP	1-1/2"	1-1/2"	COUNTER TOP	PROVIDE W/ STRAINER AND SPRAY	
E-5	WASHER BOX	BOTTOM SUPPLY	PLASTIC	OOITZES WNB-2VP	—	RECESSED	—	—	—	—	2"	—	RECESSED WALL		
E-6	VALVE BOX	WALL MOUNTED	PLASTIC	OOITZES IB-20	PVC	RECESSED BOX	—	—	—	—	—	—	WALL MOUNTED		
PPHB	WALL MOUNTED	FREEZE PROOF	WOODFORD	B67	CAST BRASS	BOX FAUCET	—	—	—	—	—	1/2"	WALL		
YCO	YARD CLEAN-OUT	ROUND TOP	JOSAM	86040	CAST IRON	BRONZE PLUG	—	—	—	—	—	—	GRADE	PROVIDE WITH 2 1/2" x 1/4" THK CONCRETE PAD AT GRADE	
FCO	FLOOR CLEAN-OUT	SQUARE TOP	JOSAM	86030	CAST IRON	BRONZE PLUG	—	—	—	—	—	—	FLOOR		
WCO	WALL CLEAN-OUT	ROUND TOP	JOSAM	8880	CAST IRON	BRONZE PLUG	—	—	—	—	—	—	WALL		
PDA	FLOOR DRAIN	SQUARE TOP	JOSAM	30000-5	CAST IRON	NICALOT TOP	—	—	—	—	—	—	FLOOR		
WH-1	WATER HEATER	GAS FIRED	STATE	656 65 XRRS	GLASS LINED	RESIDENTIAL GAS	—	—	—	—	—	—	SEE PLAN	SEE DETAIL	65 GAL STORAGE, 65MBH INPUT, 67MBH RECOVERY AT 100 DEG F
WH-2	WATER HEATER	GAS FIRED	STATE	656 75 XRRS	GLASS LINED	RESIDENTIAL GAS	—	—	—	—	—	—	SEE PLAN	SEE DETAIL	74 GAL STORAGE, 75MBH INPUT, 85MBH RECOVERY AT 100 DEG F



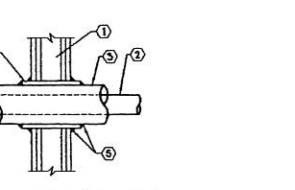
1 FREEZE PROTECTION OF PIPING
P9 NOT TO SCALE



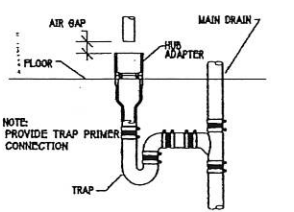
2 PIPE PENETRATION DETAIL
P9 NOT TO SCALE



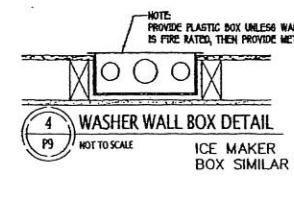
3 WASHER WALL BOX DETAIL
P9 NOT TO SCALE



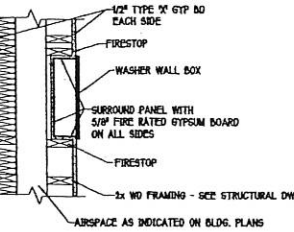
4 WASHER WALL BOX DETAIL
P9 NOT TO SCALE



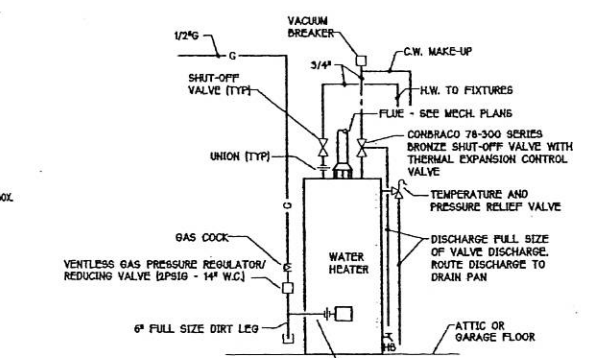
5 HUB DRAIN DETAIL
P9 NOT TO SCALE



6 WASHER WALL BOX DETAIL
P9 NOT TO SCALE



7 WASHER WALL BOX DETAIL
P9 NOT TO SCALE



8 WATER HEATER DETAIL
P9 NOT TO SCALE



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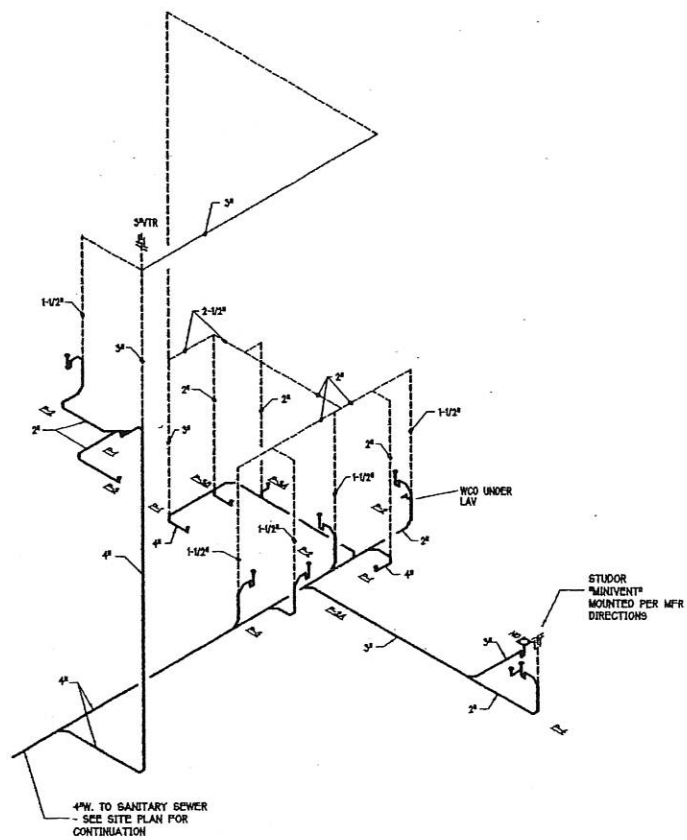


LAKE SHORE TOWN HOMES

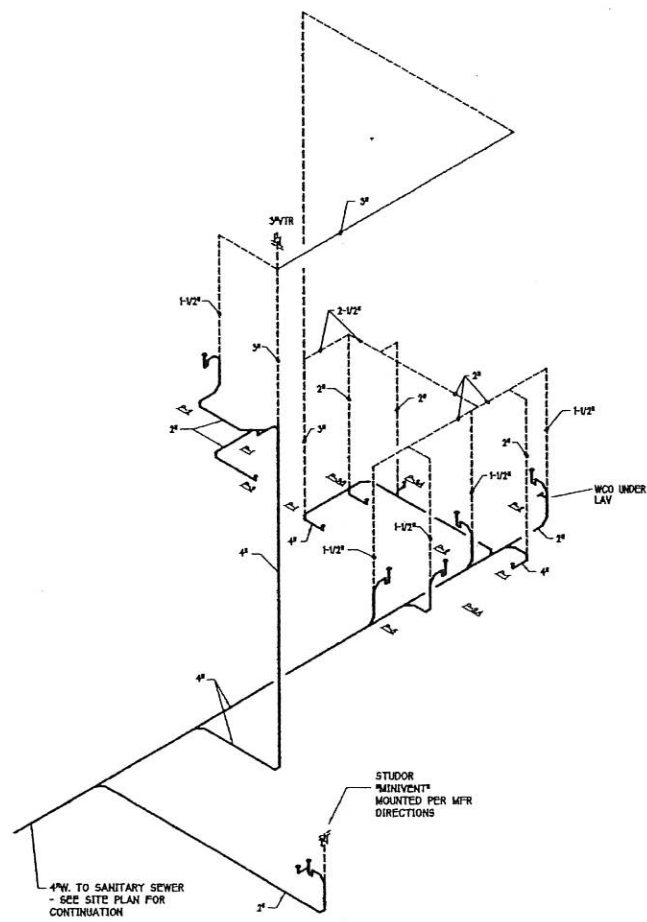
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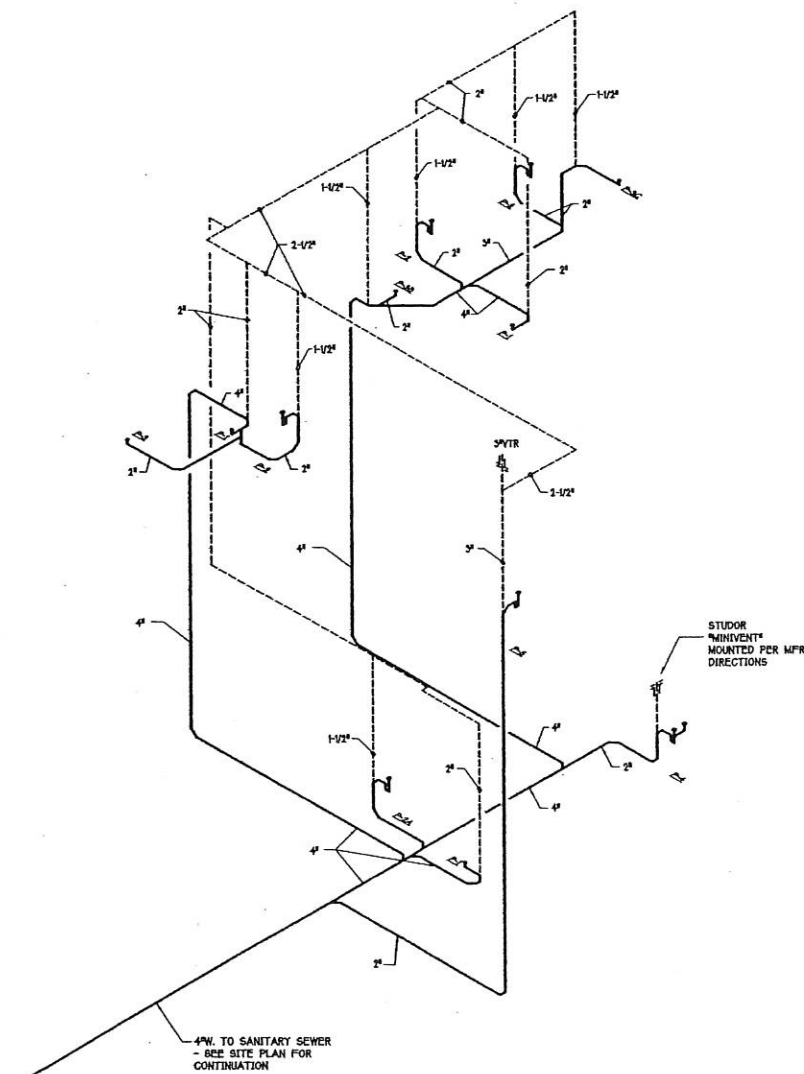
P9
PLUMBING SCHEDULE, DETAILS, & NOTES



1
P10
2 STORY UNIT SANITARY RISER
1/4" = 1'-0"



2
P10
2 STORY UNIT (ALT) SANITARY RISER
1/4" = 1'-0"



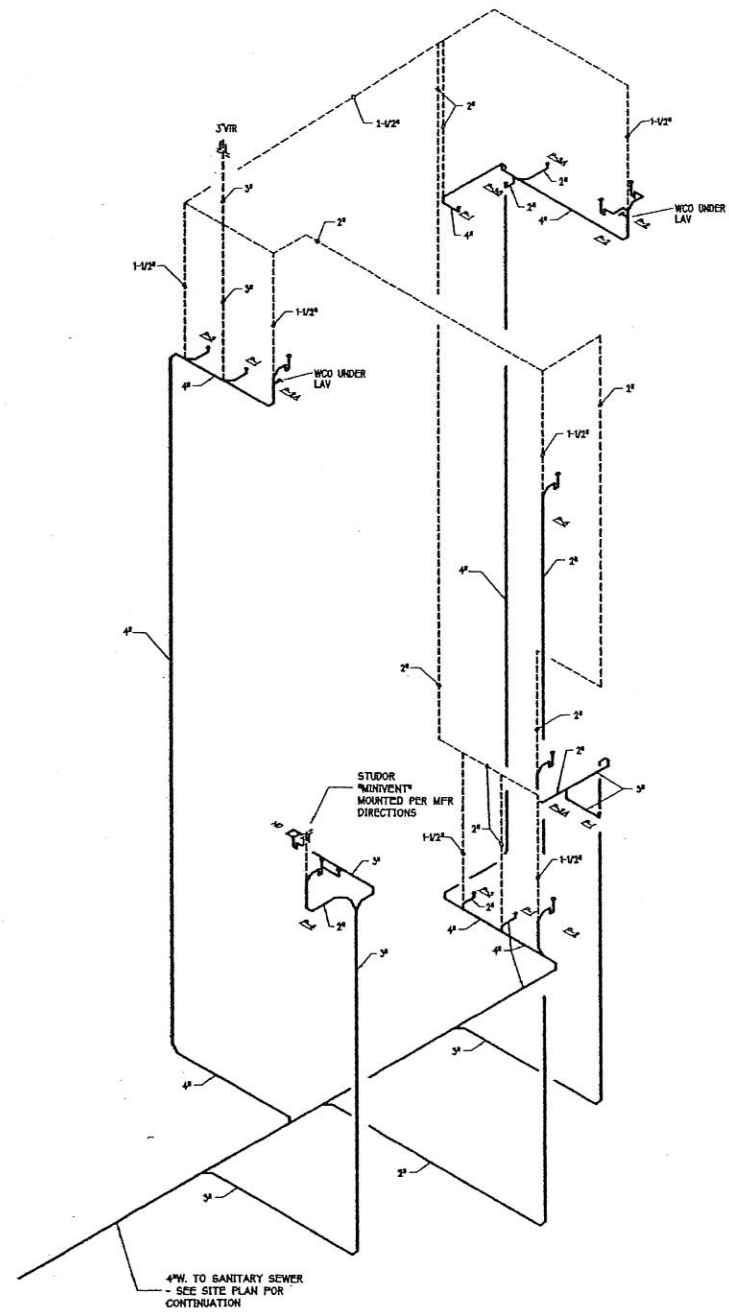
3
P10
3 STORY UNIT SANITARY RISER
1/4" = 1'-0"



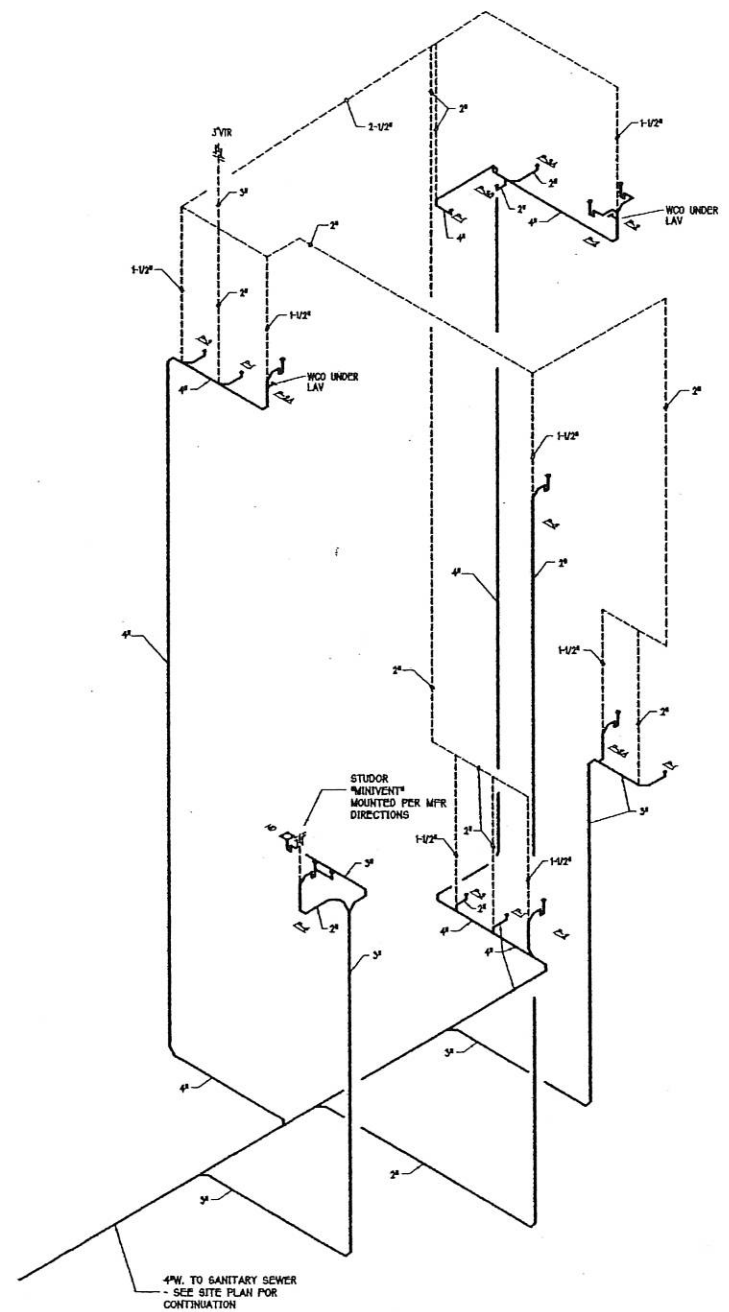
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Tega Cay,
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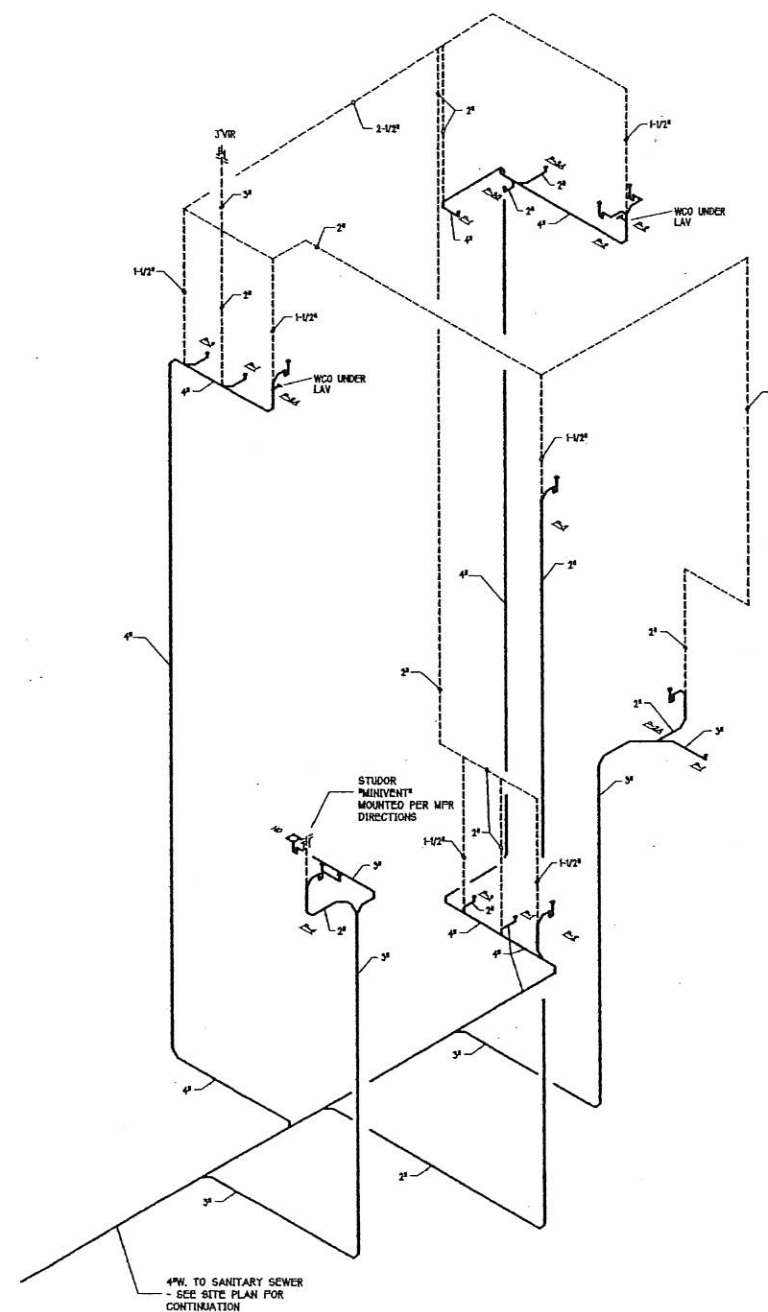
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1
P11
4 STORY UNIT SANITARY RISER
1/4" = 1'-0"

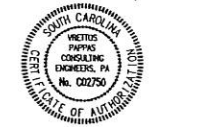


2
P11
4 STORY UNIT (ALT) SANITARY RISER
1/4" = 1'-0"



3
P11
4 STORY UNIT (ELEV) SANITARY RISER
1/4" = 1'-0"

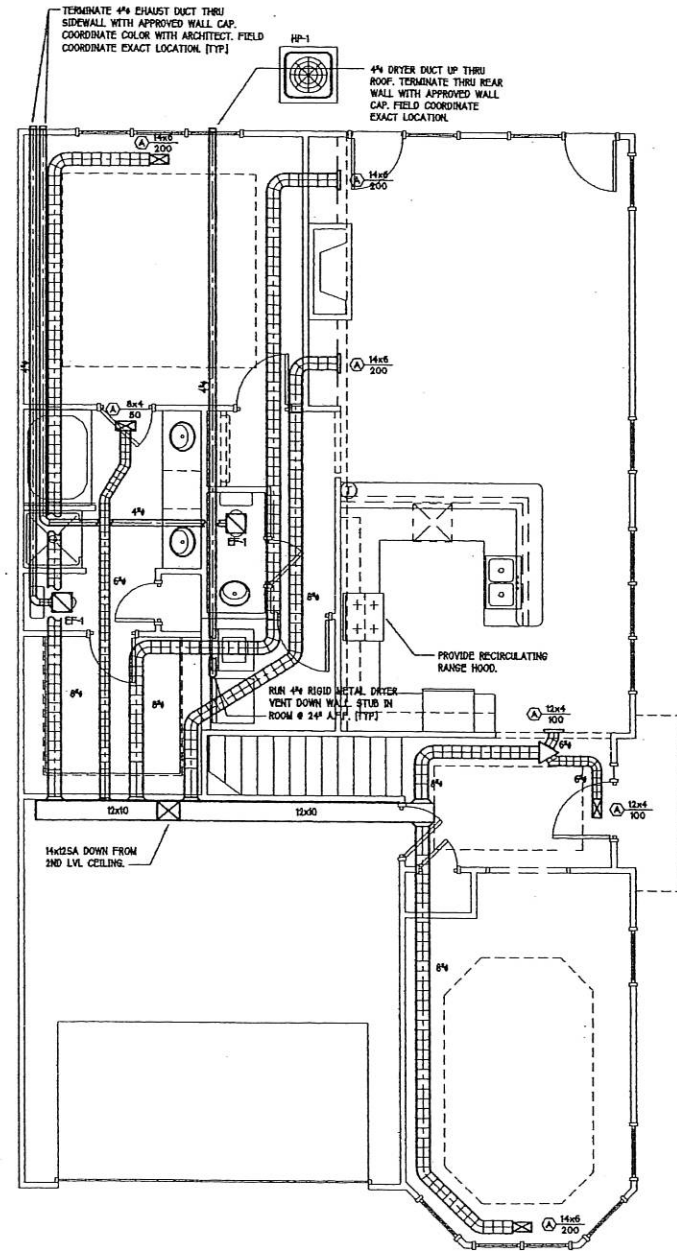
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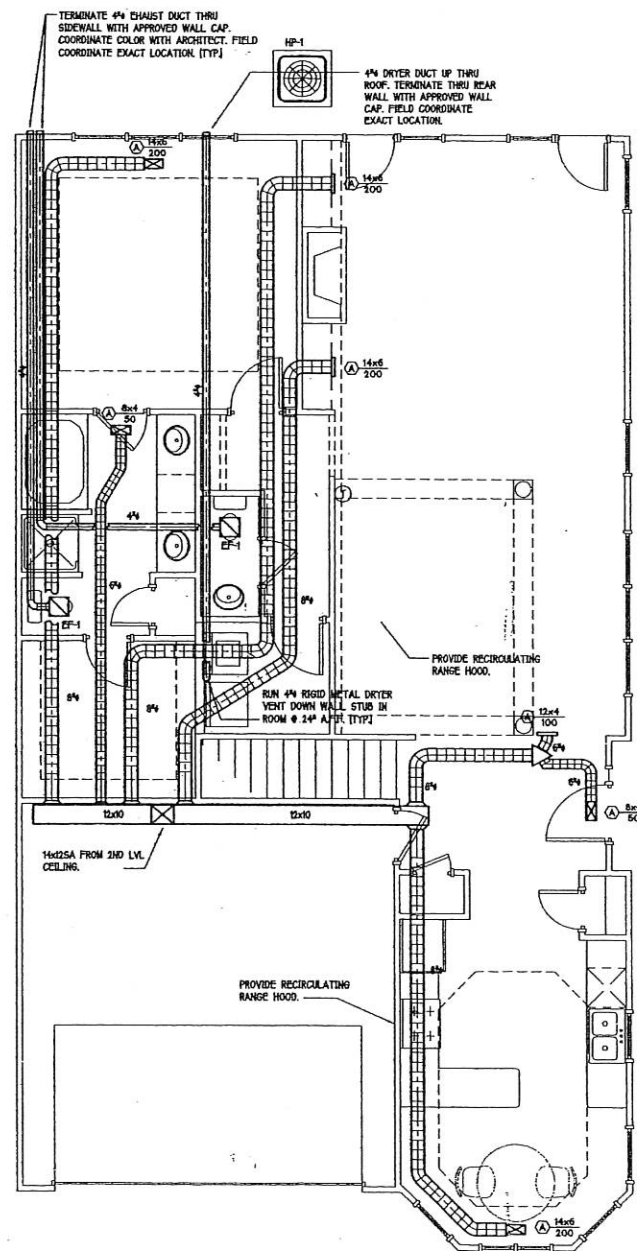
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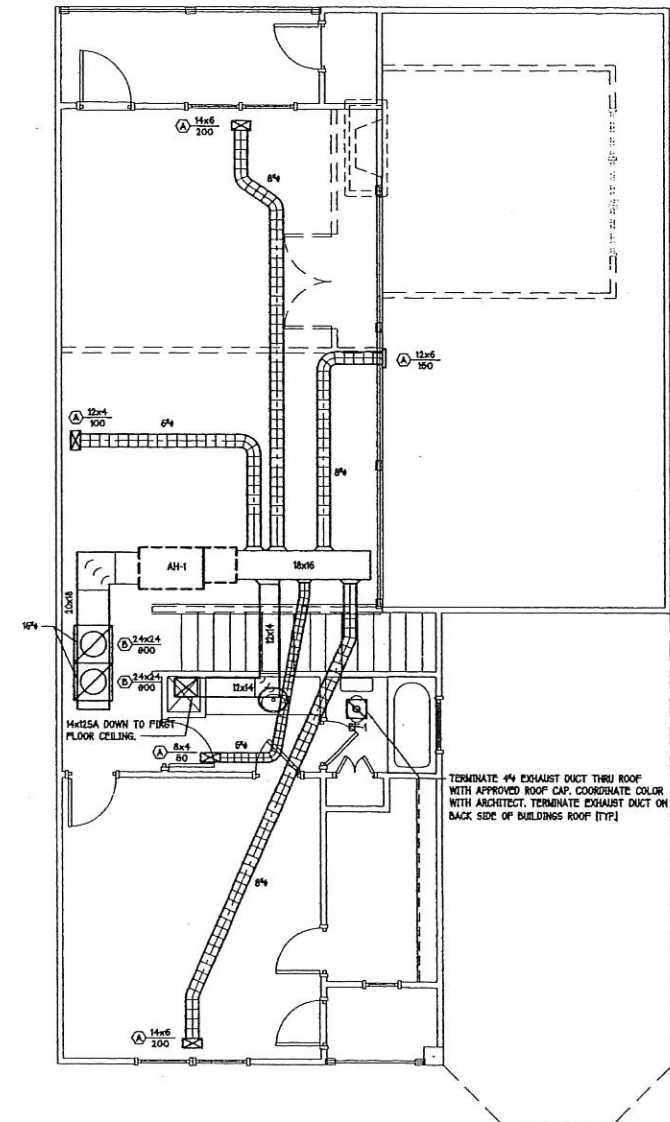
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1 FIRST FLOOR TWO STORY UNIT
1/4" = 1'-0"



2 FIRST FLOOR TWO STORY UNIT (ALT)
1/4" = 1'-0"

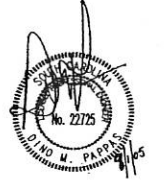


3 SECOND FLOOR TWO STORY UNIT
1/4" = 1'-0"



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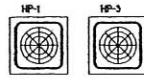
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HOMES

Tega Cay,
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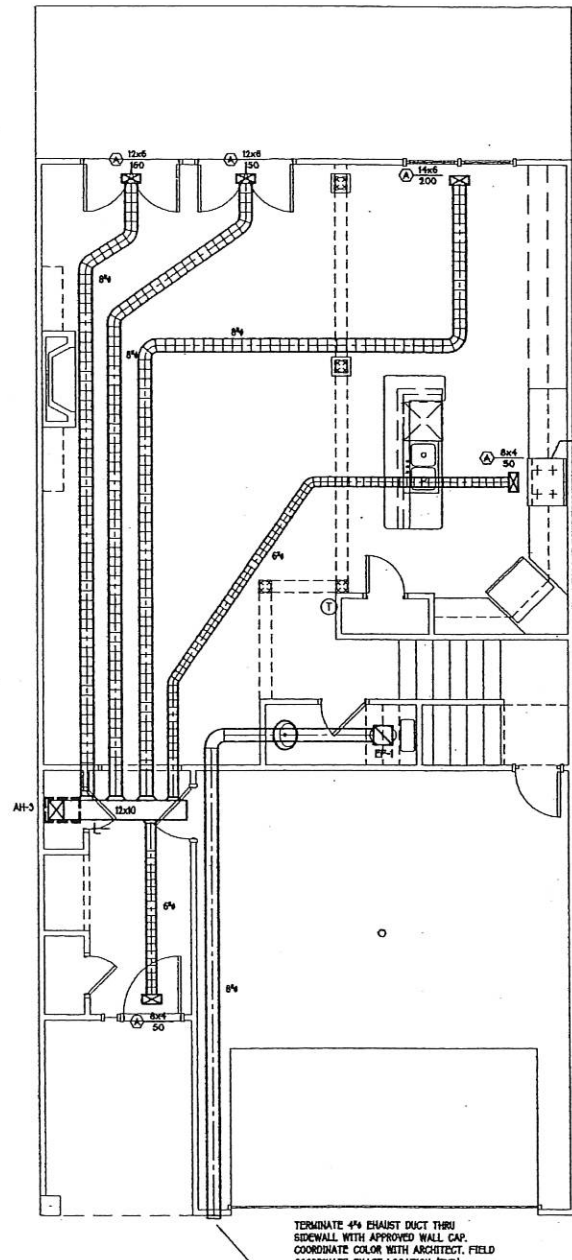
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M1

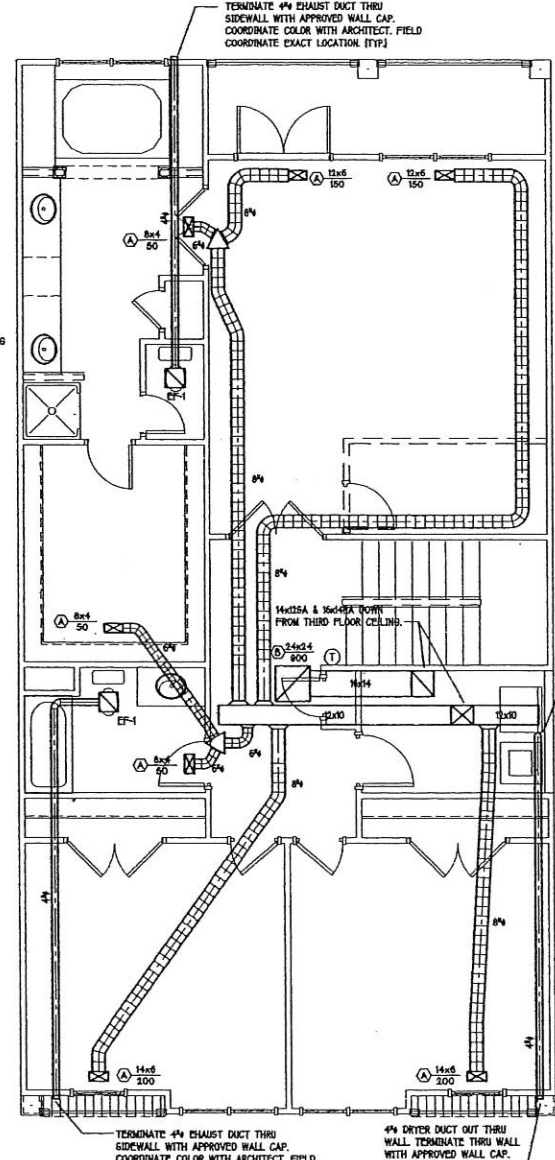
TWO STORY UNIT MECH
PLANS AND NOTES



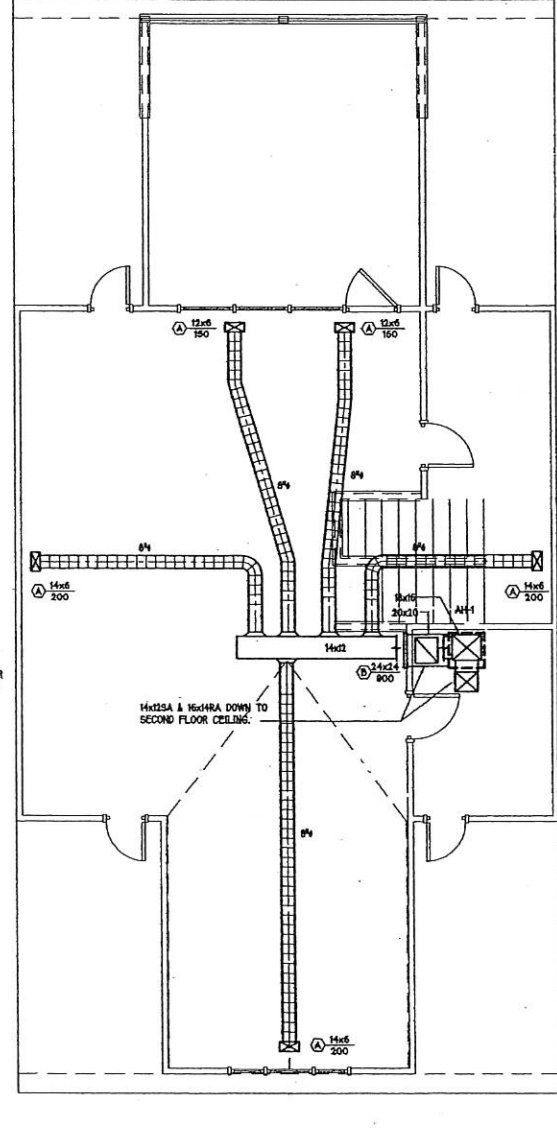
MECHANICAL LEGEND	
	CEILING DIFFUSER
	EXHAUST/RETURN GRILLE
	SIDEWALL DIFFUSER
	ROUND RIGID DUCT
	FLEXIBLE DUCT
	CONDENSATE DRAIN LINE
	THERMOSTAT/CONTROL
	B.D.D. BACKDRAFT DAMPER
	AH AIR HANDLER
	CU CONDENSING UNIT
	AC AIR CONDITIONING UNIT
	CFM CUBIC FEET PER MINUTE
	AFF ABOVE FINISHED FLOOR
	EER ENERGY EFFICIENCY RATIO
	SP STATIC PRESSURE
	FD FIRE DAMPER
	RD CEILING RADIATION DAMPER
	DOOR UNDER CUT 3/4"
	LOUVER DOOR



1 FIRST FLOOR THREE STORY UNIT
1/4" = 1'-0"



2 SECOND FLOOR THREE STORY UNIT
1/4" = 1'-0"



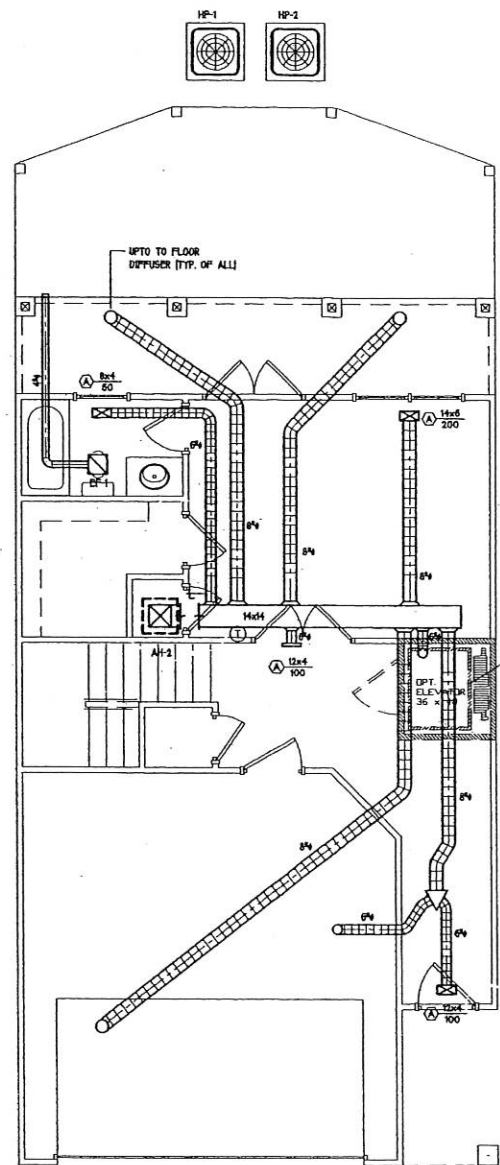
3 THIRD FLOOR THREE STORY UNIT
1/4" = 1'-0"



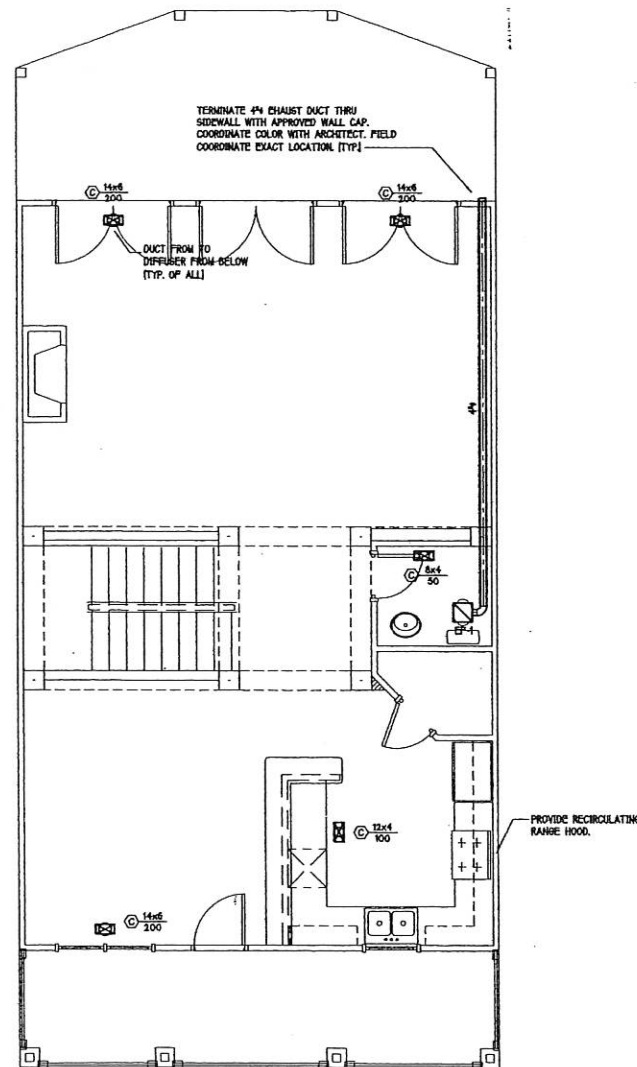
LAKE SHORE
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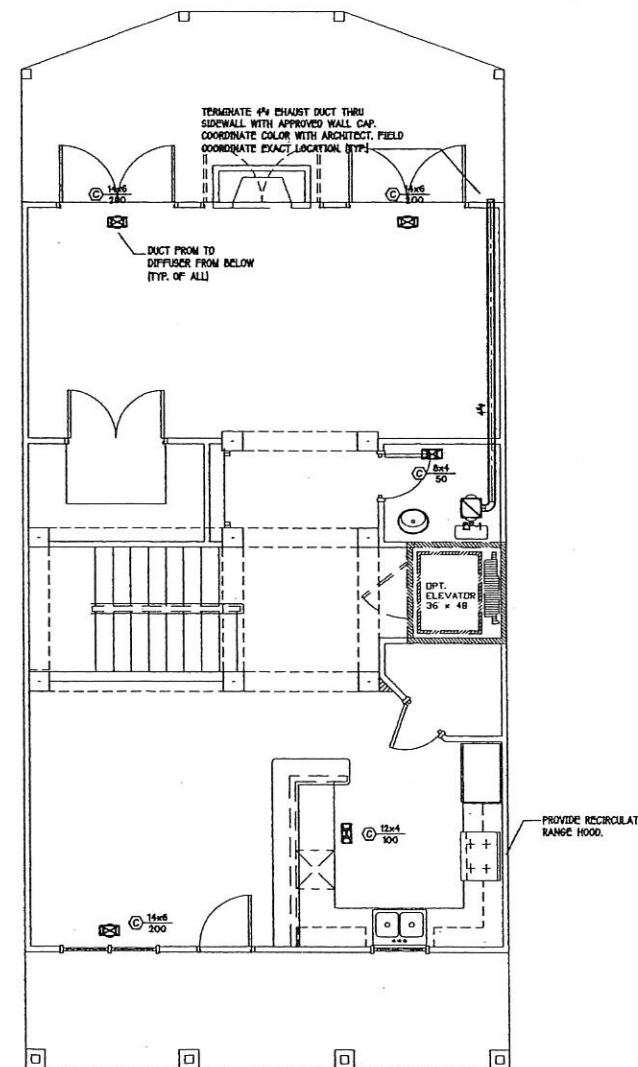
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1 FIRST FLOOR FOUR STORY UNIT
M3 1/4" = 1'-0"



2 SECOND FLOOR FOUR STORY UNIT
M3 1/4" = 1'-0"



3 THIRD FLOOR FOUR STORY UNIT (ALT)
M3 1/4" = 1'-0"



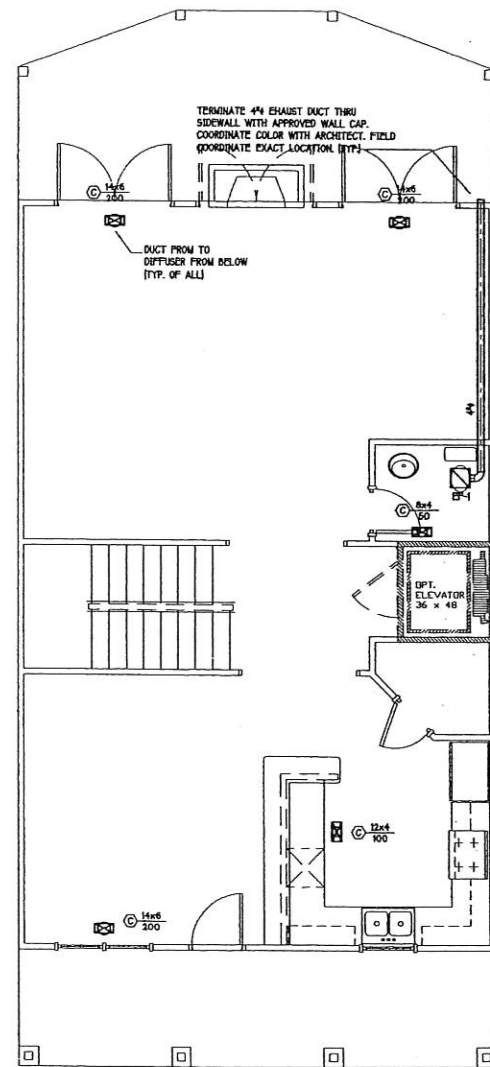
**LAKE SHORE
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Tega Cay,
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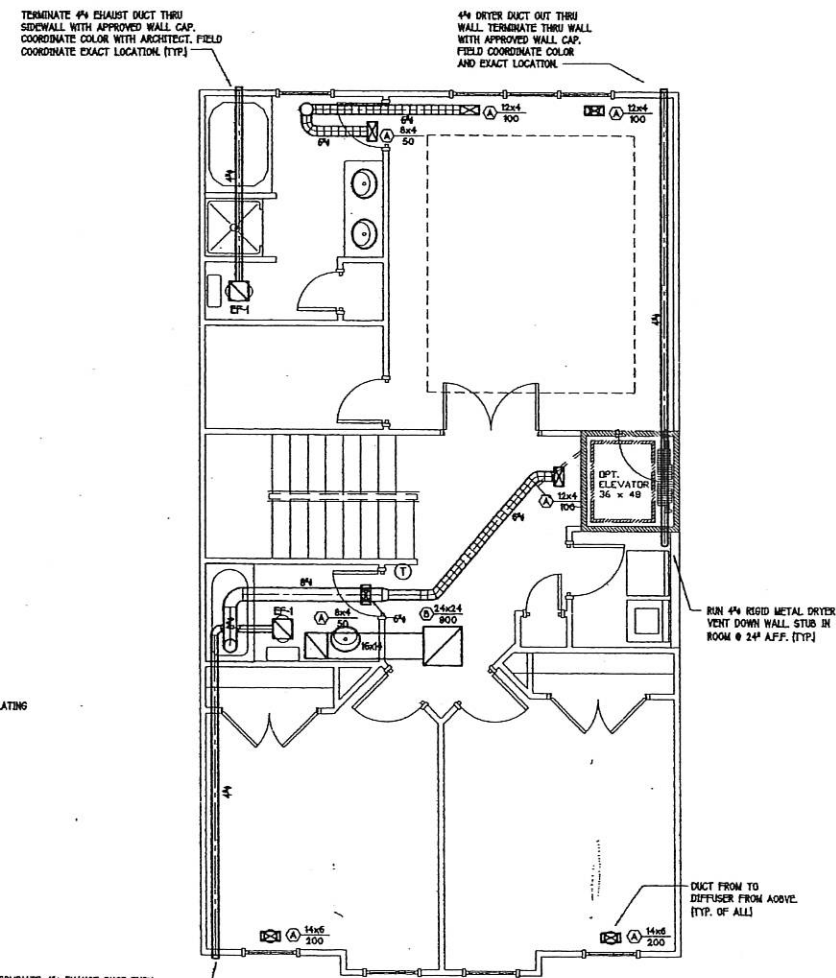
DATE: 06/09/05
PROJECT NO: 2530
DRAWN FOR: Permit & Construction

M3

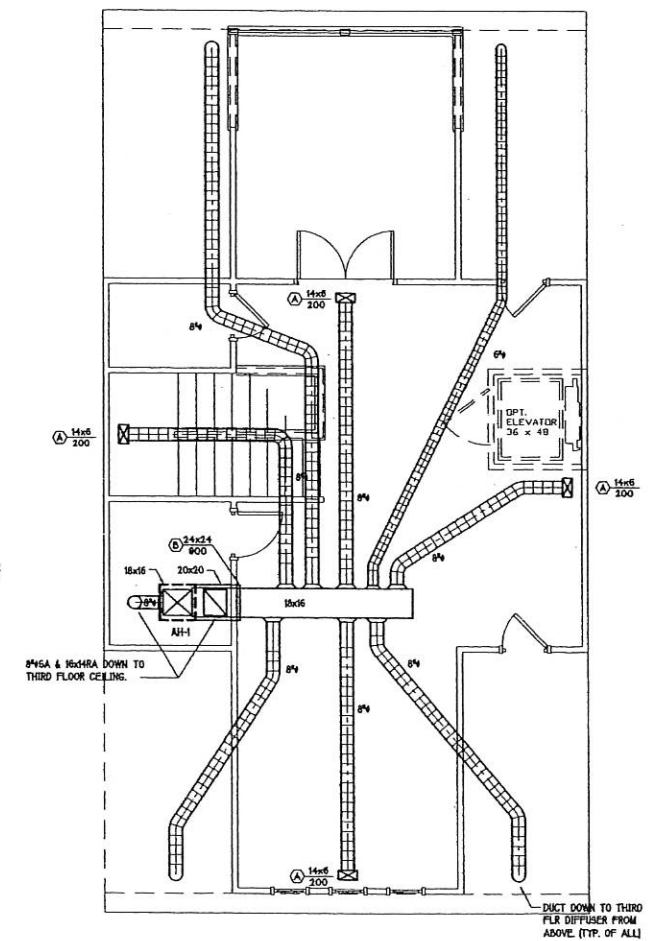
FOUR STORY UNIT MECH
PLANS AND NOTES



1 SECOND FLOOR FOUR STORY UNIT (ELEV)
M4 1/4" = 1'-0"



2 THIRD FLOOR FOUR STORY UNIT
M4 1/4" = 1'-0"



3 FOURTH FLOOR FOUR STORY UNIT
M4 1/4" = 1'-0"



**LAKE SHORE
TOWN
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Tega Cay,
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SPLIT SYSTEM HEAT PUMP SCHEDULE																		
UNIT DESIG. (AVCO)	AIR HANDLING UNIT DATA					CONDENSING UNIT				COOLING CAPACITY		HEATING CAPACITY		AUX HEATER		NOTES	HWT. TONS	
	MANUFACTURER & MODEL #	NOM. TOTAL CFM	MIN. OA CFM	MIN. E.S.P. (IN.WG)	FAN RPM	MANUFACTURER & MODEL #	VOLTY/PH	MCA	MAX. FUSE	TOTAL MBH	SEER	TOTAL MBH AT 47°F	KW	VOLTAGE	COND. DRAIN			
AH-1 HP-1	CARRIER FBA400	2000	-	0.4	BY MFG	CARRIER 38TCC060	208V/1	58.8	60	56.0	12.0	10.1	58.0	7.5/10KW	208V/1	F	1-6	5.0
AH-2 HP-2	CARRIER FBA400	1200	-	0.4	BY MFG	CARRIER 38TCC060	208V/1	23.8	35	21.3	14.5	10.0	35.0	6/8 KW	208V/1	F	1-6	3.0
AH-3 HP-3	CARRIER FBA400	900	-	0.4	BY MFG	CARRIER 38TCC060	208V/1	12.8	20	17.0	12.8	10.0	17.5	5/3.8 KW	208V/1	F	1-6	1.5

NOTES:

- PROVIDE NEW FILTER FOR ALL UNITS UPON ACCEPTANCE OF PROJECT
- PROVIDE UNIT DISCONNECT FOR ALL UNITS-MOUNTED ON UNIT
- PROVIDE 7-DAY PROGRAMMABLE TIME CLOCK AND AUTOMATIC CHANGE-OVER HEAT/COOL THERMOSTAT/REBASE FOR EACH HVAC UNIT.
- OUTDOOR UNITS SHALL HAVE A MINIMUM 10.0 EER RATING
- REFRIG. PIPING TO BE SIZED PER TOTAL INSTALL. EQUIV. LENGTH. LONG-LINE APP. TO BE PROVIDED WHEREVER MFG. RECOMM. LENGTHS ARE EXCEEDED, INCL. L.I.G. LINE SOLENOID VALVES, ACCUMULATOR, ETC. MAX. T.E.L. IS 100'
- SINGLE POINT ELEC. POWER CONNECTION

DIFFUSER SCHEDULE											
SYMBOL	CFM	NECK SIZE	MODULE SIZE	FRAME TYPE	PATTERN	DAMPER	MATERIAL	SERVICE	FINISH	MANUFACTURER & MODEL No.	NOTES
(A)	AS NOTED	AS NOTED	AS NOTED	SURFACE	3-WAY	YES	STEEL	SUPPLY	NOTE 1	HART & COOLEY 681	1
(B)	AS NOTED	AS NOTED	24x24	SURFACE	30009 DEFL.	YES	STEEL	RETURN	NOTE 1	HART & COOLEY 654	1
(C)	AS NOTED	AS NOTED	12x12 24x24	SURFACE	4-WAY	YES	STEEL	SUPPLY	NOTE 1	TITUS TDC	1
(D)	AS NOTED	AS NOTED	Ø LONG	SURFACE	3/4" SLOTS HFT DIFFUSER	YES	STEEL	SUPPLY	NOTE 2	TITUS ML-54	1
(E)	AS NOTED	AS NOTED	24x24	SURFACE	-	YES	STEEL	RETURN	NOTE 1	TITUS PAR	1
(F)	AS NOTED	AS NOTED	-	SURFACE	DOUBLE DEFL.	YES	STEEL	SUPPLY	NOTE 2	TITUS 300RS	1

NOTES:

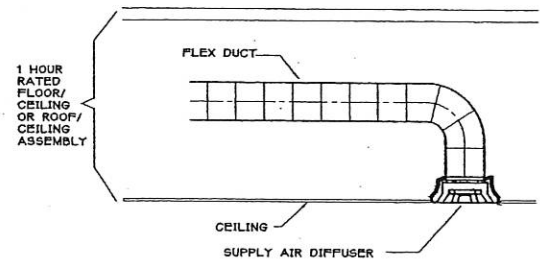
- DIFFUSER DESIGNATIONS ON PLANS AS FOLLOWS:
DIFFUSER OR NECK SIZE: 8x4 (A) DIFFUSER TYPE AS NOTED ABOVE
AIR QUANTITY: 75
- FINISH TO MATCH/BE ABLE MATCH CEILING OR WALL OR DOOR

FAN SCHEDULE											
UNIT NO.	SERVICE	AREA SERVED	CFM	S.P.	RPM	TYPE & ARRANGEMENT	MIN. MOTOR HP/WVA & VOLTAGE	MANUFACTURER & MODEL No.	DRIVE	CONTROL SCHEME	REMARKS
EF-1	EXHAUST	UNIT BATHROOMS	50	0.50	-	WALL	0.60A 110V/1	BROAN MODEL 688	DIRECT	A	1 2 3 4

NOTES:

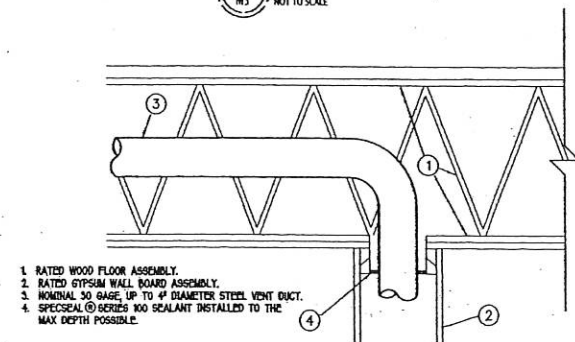
- SCREEN
- BACKDRAFT DAMPER
- COLOR BY ARCHITECT
- INTEGRAL DISCONNECT SWITCH

CONTROL OPTIONS:
A. CONTROL W/ SWITCH



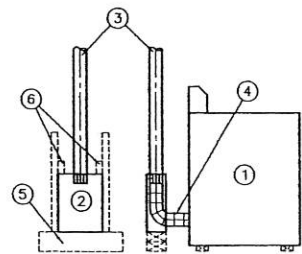
- NOTE:**
- SEE FLOOR PLANS AND SPECIFICATIONS FOR DUCT INSULATION REQUIREMENTS.
 - PROVIDE UL RADIATION DAMPER/BLANKET ASSY.

1 SUPPLY AIR DIFFUSER DETAIL
M5 NOT TO SCALE



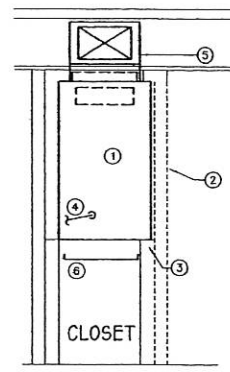
- RATED WOOD FLOOR ASSEMBLY.
- RATED GYPSUM WALL BOARD ASSEMBLY.
- NONCOMB. 30 GAUGE, UP TO 4\"/>

2 FIRESTOP FOR DRYER AND BATH VENT DUCTS
M5 NOT TO SCALE



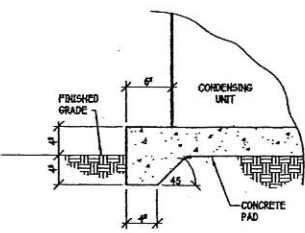
- RESIDENTIAL DRYER
- RECESSED METAL BOX (MFG#M58P)
- 4\"/>

4 RECESSED METAL BOX FOR DRYER EXHAUST
M5 NOT TO SCALE

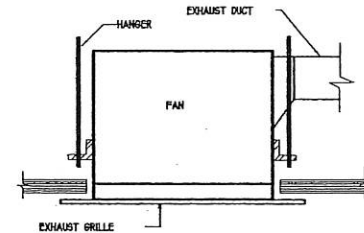


- NOTES:**
- AIR HANDLER (AH) IN CLOSET, FRONT RETURN
 - LOWEVED DOOR FOR RETURN AIR
 - FILTER RACK FOR Ø THROW-A-WAY FILTERS WITH UNIT STAND
 - 3/4\"/>

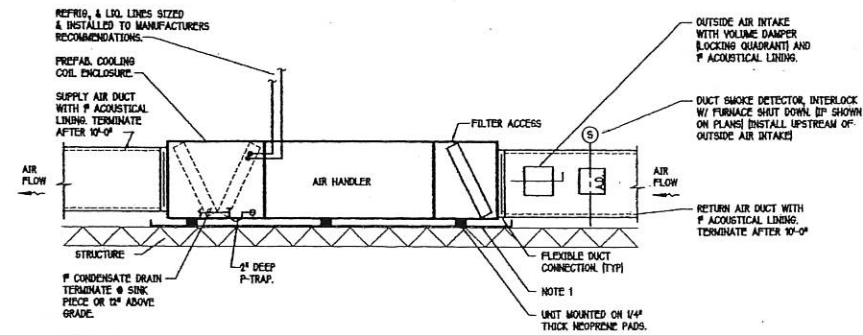
3 UNIT AIR HANDLER DETAIL
M5 NOT TO SCALE



6 CONDENSING UNIT PAD DETAIL
M5 NOT TO SCALE



7 CEILING EXHAUST FAN DETAIL
M5 NOT TO SCALE



- NOTES:**
- AUXILIARY DRAIN PAN WITH MICROFLOAT SWITCH INTERLOCK FLOAT SWITCH W/ AIR HANDLER. INSTALL FLOAT SWITCH IN ONE CORNER OF PAN AND TILT PAN TO THAT CORNER.

5 HORIZONTAL AIR HANDLING UNIT DETAIL
M5 NOT TO SCALE

HVAC GENERAL NOTES	
1. FURNISH ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED FOR THE COMPLETION AND OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK IN ACCORDANCE WITH ALL APPLICABLE CODES. MECHANICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES.	15. PIPING (INSULATED) REFRIGERANT - SEAMLESS COPPER ACR TUBING WITH SILVER SOLDERED JOINTS. CONDENSATE - SEAMLESS COPPER ACR TUBING WITH SILVER SOLDERED JOINTS.
2. GO TO PROVIDE FRAMED OPENINGS THRU WALLS, ABOVE CEILINGS, CONCRETE METAL STUDS, FOR FILL RETURN AIR TRANSFER ABOVE THE FURRED-DOWN CEILINGS. SEE SCHEDULE, SHEET M10, FOR SIZES.	16. MECHANICAL CONTRACTOR SHALL BALANCE SYSTEM TO AIR QUANTITIES INDICATED ON PLANS AND PROVIDE OWNERS REPRESENTATIVE WITH COMPLETE BALANCE REPORT. PROVIDE NEW AIR FILTERS FOR EACH UNIT.
3. ALL MATERIAL AND EQUIPMENT IS TO BE INSTALLED PER MANUFACTURERS INSTALLATION INSTRUCTIONS.	17. ALL DUCT DIMENSIONS SHOWN ARE INTERIOR DUCT DIMENSIONS.
4. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS & REFLECTED CEILING PLANS FOR EXACT LOCATION OF DOORS, WINDOWS, CEILING DIFFUSERS, ETC.	18. DUCTWORK, DIFFUSERS, REGISTERS, GRILLS AND OTHER ITEMS OF THE AIR HANDLING SYSTEM SHALL NOT BE SUPPORTED BY THE CEILING OR CEILING SUSPENSION SYSTEM. COORDINATE LOCATION OF GRILLS, DIFFUSERS AND LOWERS WITH ELECTRICAL, ARCHITECTURAL AND PLUMBING WORK.
5. ALL PIPING, DUCTS, VENTS, ETC. EXTENDING THROUGH WALLS & ROOF SHALL BE FLASHED & COUNTERFLASHED IN A WATERPROOF MANNER. SEAL ALL PENETRATIONS OF THE FLOOR/CEILING ASSEMBLY AND RATED WALLS WITH FIRE DAMPER, SEALANT MATERIAL APPROVED BY LOCAL CODE. COLOR TO MATCH EXTERIOR.	19. THE DRYER VENT MATERIAL IS TO BE ROUND RIGID SHEETMETAL MIN 30 GAUGE. THE LENGTH SHALL NOT EXCEED MAXIMUM ALLOWED BY CODE OR MFG. IF MFG. RECOMMENDATIONS ARE FOLLOWED, DRYER MUST BE PROVIDED AT FINAL INSPECTION. NO SCREWS PROTRUDING INTO DUCT, ETC. PER CODE.
6. EXTEND ALL CONDENSATE DRAIN LINES AS INDICATED, ROUTED TO AVOID INTERFERENCE WITH PASSAGEWAYS AND MAINTENANCE. DRAINS FROM AIR HANDLING UNITS SHALL BE TRAPPED. COORDINATE WITH P.C.	20. ALL MECHANICAL EQUIPMENT SHALL OPERATE FREE OF ANY OBJECTIONABLE NOISE OR VIBRATION.
7. ALL DUCTWORK INSULATION SHALL BE RIGID CONTINUOUSLY THROUGH FLOORS AND PARTITIONS.	21. AS REQUIRED BY LOCAL CODES, MECHANICAL CONTRACTOR SHALL PROVIDE UL LISTED FIRE DAMPERS WHERE REQUIRED FOR FIRE PROTECTION REQUIREMENTS OF THE HVAC SYSTEM & THE UL ASSEMBLY.
8. ALL PIPING AND DUCTWORK LOCATIONS SHALL BE COORDINATED W/ WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS, TO AVOID INTERFERENCE.	22. ON MACHINERY CONNECTIONS TO EQUIPMENT, CARE SHOULD BE TAKEN TO ABRASE PIPES SO AS NOT TO INTERFERE WITH OPENING OF ACCESS DOORS.
9. LOCATE ALL THERMOSTATS AND SWITCHES 4'-0\"/>	
10. DUCT TO BE INSULATED ROUND RIGID OR PROPERLY INSTALLED P FIBERBOARD. ALL DUCT SYSTEMS ARE TO BE PER SMACNA AND UL STANDARDS. THERE IS NO EXPOSED DUCTWORK.	23. ALL GAS LOADS, PIPING, METERS, ETC. TO BE FOUND ON PLUMBING PLANS.
11. ALL EQUIPMENT SHALL BE UL LISTED.	24. REFRIGERANT PIPING, NOT SHOWN ON PLANS, SHALL BE SIZED & INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS & INSTALLATION INSTRUCTIONS & PER THE TEL.
12. FLEX DUCT IS TO BE INSTALLED WITHOUT SHARP BENDS OR CRUMPS. FLEX IS TO BE PERMANENTLY PASTED TO ANY SHEETMETAL FITTINGS. NO FLEX DUCT IS TO BE EXPOSED.	25. ELECTRICAL CONTRACTOR TO PROVIDE ALL HIGH VOLTAGE ELECTRICAL WIRING, CONDUIT, DISCONNECT SWITCHES, FUSES, ECT. TO CONDENSING UNITS AND AIR HANDLERS. ALL FINAL ELECTRICAL CONNECTIONS ARE BY ELECTRICAL CONTRACTOR.
13. PROVIDE SHEET METAL COLLARS OR EQUAL UNDER DRYWALL WHENEVER GRILLE REGISTERS ARE TO BE INSTALLED.	26. PROVIDE 5 YEAR WARRANTY ON COMPRESSORS AND 1 YEAR ON ALL OTHER EQUIPMENT FROM DATE OF INITIAL OPERATION.
14. THE MECHANICAL CONTRACTOR SHALL PROVIDE REFRIGERANT AND LOW VOLTAGE CONTROL LINES FROM THE CONDENSER TO THE AIR HANDLING UNIT. COORDINATE ROUTING AND INSTALLATION WITH THE GENERAL CONTRACTOR. SIZE REFRIGERANT LINES PER MANUFACTURERS REQUIREMENTS.	27. VERIFY CLEARANCES BEFORE FABRICATING DUCTWORK AND ORDERING EQUIPMENT.
	28. MINIMUM CLEARANCE FOR UNITS SHALL BE 100
	29. CONDENSING UNITS SHALL BE MOUNTED ON 4x4 PRESSURE TREATED TIMBERS. SEE DETAIL 680R.
	30. DRAWINGS ARE DIAGRAMATIC AND DO NOT RELEASE THE CONTRACTOR FROM THE RESPONSIBILITY OF INSTALLING THE HVAC SYSTEM PER LOCAL CODE, AND IN EXCELLENT WORKING CONDITION.
	31. KITCHEN EXHAUST DUCT SHALL BE CONTINUOUSLY WELDED AND CONSTRUCTED OF MINIMUM 0.060\"/>



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LAKE SHORE
TOWN
HOMES

Tega Cay,
South Carolina

DATE ISSUED

06/09/05

DESIGNED BY

XXXX

DRAWN BY

Permit & Construction:

M5

MECHANICAL SCHEDULES,
DETAILS AND NOTES

LIGHTING FIXTURE SCHEDULE							
SYMBOL OR TAG LETTER	MANUF.	CATALOG NUMBER	LAMP DATA		WATTS	MOUNTING	DESCRIPTION
			NO.	TYPE			
A	SEL. BY OWNER PROV. BY EC				60W MAX	WALL	SELECTED BY OWNER AND PROVIDED BY THE ELECTRICAL CONTRACTOR PORCH LIGHT, PROVIDE A \$150 ALLOWANCE PER FIXTURE.
B	ANY		1	100W MAX	100	SURFACE	PORCELAIN BASE INCANDESCENT LAMP HOLDER INCLUDED WITH LAMP.
C	SEL. BY OWNER PROV. BY EC				60W MAX	SURFACE	SELECTED BY OWNER AND PROVIDED BY THE ELECTRICAL CONTRACTOR COVERED ENTRY LIGHT, PROVIDE A \$150 ALLOWANCE PER FIXTURE.
D	SEL. BY OWNER PROV. BY EC				100W MAX	SURFACE	SELECTED BY OWNER AND PROVIDED BY THE ELECTRICAL CONTRACTOR Foyer/Hallway Light, PROVIDE A \$150 ALLOWANCE PER FIXTURE.
E	STONCO	WVUL-9-SC	1	100W A-W	100	WALL	ELEVATOR PIT LIGHT, PROVIDE WIRE GUARD.
G	SEL. BY OWNER PROV. BY EC				80W MAX	WALL	SELECTED BY OWNER AND PROVIDED BY THE ELECTRICAL CONTRACTOR VANITY LIGHT, PROVIDE A \$150 ALLOWANCE PER FIXTURE.
H	SEL. BY OWNER PROV. BY EC				100W MAX	SURFACE	SELECTED BY OWNER AND PROVIDED BY THE ELECTRICAL CONTRACTOR KITCHEN LIGHT, PROVIDE A \$150 ALLOWANCE PER FIXTURE.
K	SEL. BY OWNER PROV. BY EC				60W MAX	SURFACE	SELECTED BY OWNER AND PROVIDED BY THE ELECTRICAL CONTRACTOR BATHROOM LIGHT, PROVIDE A \$150 ALLOWANCE PER FIXTURE.
L	SEL. BY OWNER PROV. BY EC				60W MAX	SURFACE	SELECTED BY OWNER AND PROVIDED BY THE ELECTRICAL CONTRACTOR BATHROOM LIGHT (NET LOCATION), PROVIDE A \$150 ALLOWANCE PER FIXTURE.
M	SEL. BY OWNER PROV. BY EC				100W MAX	SURFACE	SELECTED BY OWNER AND PROVIDED BY THE ELECTRICAL CONTRACTOR BODING IN LIGHT, PROVIDE A \$150 ALLOWANCE PER FIXTURE.

FIXTURE SCHEDULE NOTES:

- LF1. LIGHTING FIXTURE CATALOG NUMBERS ARE INDICATIVE OF THE STYLE OF FIXTURE REQUIRED. CONTRACTOR SHALL COORDINATE WITH FIELD CONDITIONS & ARCHITECT'S FINISH SCHEDULE TO PROVIDE FIXTURES WITH THE PROPER TBA, VOLTAGE AND OPTIONS NECESSARY FOR A COMPLETE INSTALLATION.
- LF2. DOUBLE-FACED EXIT FIXTURES SHALL BE OF THE SAME MANUFACTURER AND SERIES AS THE CORRESPONDING SINGLE FACED FIXTURES SCHEDULED.
- LF3. FLUORESCENT BATTERY PACKS SHALL BE CAPABLE OF PROVIDING AT LEAST 900 LUMENS OUTPUT FROM ONE LAMP FOR A DURATION OF 15 HOURS. REGARDLESS OF CATALOG NUMBER INDICATED IN SCHEDULE, PROVIDE BATTERY PACKS FOR ALL FIXTURES INDICATED ON THE DRAWINGS TO BE EMERGENCY TYPE. BOTH LAMPS OF A [D] LAMP FIXTURE SHALL BE SERVED BY THE EMERGENCY BALLAST, OUTBOARD LAMPS OF [D] AND [H] LAMP FIXTURES SHALL BE SERVED BY THE EMERGENCY BALLAST. ALL BATTERY PACKS SHALL BE FACTORY INSTALLED.
- LF4. ALL FLUORESCENT FOUR FOOT LIGHT FIXTURES SHALL BE EQUIPPED WITH INSTANT START ELECTRONIC BALLASTS AND 3500K, INSTANT-START T-8 LAMPS.
- LF5. ALL COMPACT FLUORESCENT LIGHT FIXTURES SHALL BE EQUIPPED WITH ELECTRONIC BALLASTS AND 3500K, 81 Q1 LAMPS.
- LF6. SUBMITTALS FOR EQUAL MANUFACTURERS WILL BE CONSIDERED. PROVIDED SUBMITTAL DATA TO INCLUDE COMPLETE PHOTOMETRIC DATA AS WELL AS DATA ON MATERIAL, FINISHES, SUPPORTS, REFLECTORS, LENSES, ETC.
- LF7. PROVIDE BALLASTS AS REQUIRED FOR "ONBOARD/OUTBOARD" SWITCHING WHERE INDICATED ON PLANS. IN ADDITION, ALL FIXTURES WERE "ONBOARD/OUTBOARD" SHALL BE TANDEN WIRED.
- LF8. FIXTURES SHALL BE INDEPENDENTLY SUPPORTED DIRECTLY FROM THE STRUCTURE WITH CODE GAUGE WIRE AT A MINIMUM OF TWO OPPOSITE CORNERS.
- LF9. ALL RECESSED FIXTURES INSTALLED IN CEILINGS, INDICATED BY ARCHITECT AS HAVING INSULATION INSTALLED OVER CEILING AND FIXTURES, SHALL BE UL RATED FOR DIRECT CONTACT WITH INSULATION VERIFY WITH ARCHITECTURAL PLANS.
- LF10. ALL RECESSED FIXTURES RECESSED IN FIRE RATED CEILINGS, SHALL BE INSTALLED WITH AN APPROVED TENT ENCLOSURE BY G.C. OR BE UL RATED FOR USE IN FIRE RATED CEILINGS. VERIFY WITH ARCHITECTURAL PLANS.
- LF11. VERIFY ALL FIXTURE VOLTAGES PRIOR TO ORDERING.

GENERAL DWELLING UNIT NOTES:

- 1. WIRE DOOR BELL TO NEAREST ADJACENT 120V CIRCUIT, AHEAD OF ANY SWITCHING.
- 2. DWELLING UNIT SMOKE DETECTORS SHALL BE WIRED SO THAT ALL THE DETECTORS SOUND WHEN ANY ONE OF THEM ACTIVATES.
- 3. ALL FEEDERS/BRANCH CIRCUIT WIRING SHALL BE NO. 12 AWG UNLESS NOTED OTHERWISE. WHERE CONDUCTOR AND RACEWAY SIZE ARE SHOWN AT NOMINAL SIZE INDICATED SHALL BE USED FOR THE ENTIRE LENGTH OF CIRCUIT. EXCEPTION: FINAL CONNECTION TO DEVICES IN OUTLET BOXES SHALL NOT BE REQUIRED TO BE LARGER THAN NO. 12 AWG.
- 4. WHEN A RECEPTACLE IS INDICATED TO BE MOUNTED ADJACENT TO A COMM/DATA/CATV OUTLET, THE DEVICES SHALL BE MOUNTED WITHIN 6" CENTER-TO-CENTER.
- 5. WHERE LIGHT SWITCH AND ABOVE-COUNTER RECEPTACLES ARE INDICATED TO BE MOUNTED ADJACENT TO EACH OTHER, THE DEVICES SHALL BE MOUNTED AT THE SAME HEIGHT UNDER A COMMON DEVICE PLATE.
- 6. OUTLET BOXES FOR SWITCHES, RECEPTACLES, ETC MOUNTED ON OPPOSITE SIDES OF FIRE RATED PARTITIONS SHALL NOT BE MOUNTED IN THE SAME WALL CAVITY. SEPARATE WALL PENETRATIONS BY MOUNTING ON OPPOSITE SIDES OF WALL STUDS OR OTHER VERTICAL STRUCTURAL MEMBER IN THE WALL.
- 7. MOUNT SURFACE MOUNTED FIXTURES & UNDER CABINET FIXTURES TO UNDERSIDE OF SURFACE USING SPACERS TO PROVIDE 3/4" MIN GAP, UNLESS NOTED OTHERWISE OR INSTALLATION INSTRUCTIONS HOLD FIXTURE 1/4" OFF WALL. FOR FIXTURES BELOW CABINETS, MAKE FLEXIBLE FINAL CONNECTIONS FROM JUNCTION BOX IN CEILING CAVITY ABOVE FIXTURES. DO NOT INSTALL OUTLET AT FIXTURE. ALL WIRING SHALL BE CONCEALED.

GENERAL NOTES

- 61. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL AND STATE CODES.
- 62. ALL MATERIAL, EQUIPMENT AND APPLIANCES SHALL BE NEW AND SHALL CONFORM TO THE STANDARDS OF THE UNDERWRITERS LABORATORIES, INC. AND THE NATIONAL MANUFACTURERS ASSOCIATION.
- 63. ALL ELECTRICAL PERMITS AND INSPECTION FEES SHALL BE OBTAINED AND PAID FOR BY THE ELECTRICAL CONTRACTOR.
- 64. ELECTRICAL CONTRACT DRAWINGS ARE DIAGNOSTIC AND INDICATE THE GENERAL ARRANGEMENT OF ELECTRICAL EQUIPMENT. DO NOT SCALE ELECTRICAL PLANS. OBTAIN ALL DIMENSIONS FROM THE ARCHITECT'S DIMENSIONED DRAWINGS AND FIELD MEASUREMENTS. THE CONTRACTOR SHALL REVIEW ARCHITECTURAL PLANS FOR DOOR SWINGS AND BUILT-IN EQUIPMENT, CONDITIONS INDICATED ON THOSE PLANS SHALL GOVERN FOR THIS WORK.
- 65. VERIFY ALL REQUIREMENTS AND COORDINATE EXACT LOCATION OF INCOMING ELECTRICAL SERVICE WITH LOCAL POWER COMPANY PRIOR TO PROJECT START. NOTIFY ENGINEER OF ANY CHANGES.
- 66. ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR EFFECTIVE FROM THE DATE OF SUBSTANTIAL COMPLETION.
- 67. A COMPLETE GROUNDING SYSTEM SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH ARTICLE 250 OF THE NEC, AND AS SHOWN ON THE DRAWINGS.
- 68. ALL CUTTING AND PATCHING REQUIRED FOR INSTALLATION OF ELECTRICAL EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. DO NOT CUT ANY MATERIAL THAT WILL WEAKEN THE STRUCTURE WITHOUT WRITTEN PERMISSION OF THE ARCHITECT. PATCHING SHALL BE ACCOMPLISHED TO MATCH ADJACENT SURFACES IN EVERY RESPECT. ENGAGE ORIGINAL INSTALLER FOR CUTTING/PATCHING OF ROOFS.
- 69. PROVIDE A TYPED DIRECTORY IN ALL PANELBOARDS CLEARLY DESCRIBING THE LOCATION AND TYPE OF LOAD SERVED FOR ALL CIRCUITS.
- 90. PROVIDE ENGRAVED PHENOLIC NAMEPLATES FOR ALL PANELBOARDS AND DISCONNECT SWITCHES, WHITE LETTERS ON BLACK BACKGROUND. NAMEPLATE SHALL CONTAIN EQUIPMENT DESIGNATION, VOLTAGE, FEEDER SOURCE & DATE INSTALLED.
- 61. PROVIDE "FLASH HAZARD" LABELS FOR ALL PANELBOARDS IN ACCORDANCE WITH NEC REQUIREMENTS.
- 612. ALL TERMINALS/JUNOS SHALL BE 60 DEGREE/75 DEGREE RATED.
- 613. FUSES 0-600 AMP SHALL BE UL CLASS "RK-1" LOW PEAK DUAL ELEMENT TIME DELAY WITH 200,000 AMPERE INTERRUPTING RATING AS MANUFACTURED BY BUSHBAM UNLESS NOTED OTHERWISE.
- 614. ALL WATER HEATERS SHALL HAVE DISCONNECT SIZED PER 422.10(2).
- 615. ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL ELECTRICAL CONNECTIONS TO EQUIPMENT REGARDLESS OF WHO SUPPLIES THE EQUIPMENT. THIS INCLUDES ALL HVAC, PLUMBING AND OWNER FURNISHED EQUIPMENT CONNECTIONS OF 120V OR HIGHER.
- 616. RACEWAYS SHALL BE INSTALLED CONCEALED IN NEW WALL CONSTRUCTION ABOVE CEILINGS, BELOW FLOOR, AND IN OTHER CAVITIES TO THE GREATEST EXTENT POSSIBLE. WHERE EXPOSED RACEWAYS MUST BE USED, LAYOUT RACEWAYS TO MINIMIZE THE NUMBER OF VERTICAL RUNS.
- 617. ALL EXPOSED RACEWAY SHALL BE RUN PARALLEL OR PERPENDICULAR TO THE BUILDING SURFACES AND SHALL BE PAINTED AS DIRECTED BY THE ARCHITECT. NO EXPOSED CONDUIT SHALL BE ALLOWED IN FINISHED SPACES EXCEPT AS PERMITTED BY OWNER OR ARCHITECT. EXPOSED RACEWAY IN FINISHED SPACES SHALL BE WIRECLOTH TYPE.
- 618. BEFORE COMMENCING WITH ANY ROUGH-IN, COORDINATE THE EXACT LOCATION AND MOUNTING HEIGHT OF ALL WALL MOUNTED DEVICES WITH THE ARCHITECTURAL INTERIOR ELEVATIONS, CASEWORK SHOP DRAWINGS, AND EXISTING CONDITIONS. IF ANY DISCREPANCIES ARE DISCOVERED, NOTIFY THE ARCHITECT FOR FURTHER DIRECTION. MINOR ADJUSTMENTS IN DEVICE LOCATION, I.E. 6" OR IN ANY DIRECTION SHALL BE DONE AT NO ADDITIONAL COST TO THE CONTRACTOR.
- 619. ALL WIRING SHALL BE INSTALLED IN IMC, RMC, EMT OR TYPE AC FLEXIBLE CABLE. IMC CONDUIT (PVC) SHALL ONLY BE USED UNDERGROUND AND OUTDOORS, WHERE NOT SUBJECT TO PHYSICAL DAMAGE. MINIMUM SIZE CONDUIT SHALL BE 1/2". AC FLEXIBLE CABLE SHALL BE USED ONLY IN AREAS PERMITTED BY CODE.
- 620. ALL FLOOR SHALL BE LIQUID TIGHT FLEXIBLE METAL.
- 621. PROVIDE A PULL WIRE OR FISH TAPE IN ALL EMPTY CONDUITS. PROVIDE A BLANK COVER PLATE OVER ALL UNUSED BOXES INCLUDING DATA/COMM BOXES.
- 622. WHERE A SINGLE HOMERUN IS SHOWN THE CIRCUIT SHALL BE INSTALLED IN A DEDICATED CONDUIT, DO NOT COMBINE WITH OTHER CIRCUITS. WHERE A CIRCUIT HOMERUN IS NOT SHOWN THE CONTRACTOR SHALL COMBINE CIRCUITS AS FOLLOWS AND IN ACCORDANCE WITH THE NEC:
A MAXIMUM OF THREE 20A, 1 POLE BRANCH CIRCUITS MAY BE COMBINED IN A COMMON HOMERUN SHARING A COMMON NEUTRAL OR WITH SEPARATE NEUTRALS, FOR A TOTAL OF SIX CURRENT CARRYING CONDUCTORS. ALL BRANCH CIRCUITS LARGER THAN 20A SHALL BE SEPARATELY HOMERUN TO PANEL.
- 623. CONDUCTORS SHALL BE COPPER, RATED AT NOT LESS THAN 600 VOLTS. MINIMUM SIZE SHALL BE NO. 12 AWG UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL WIRE #12 AWG AND LARGER SHALL BE STRANDED, #10 THRU #12 AWG CONDUCTORS SHALL BE SOLID. ALL INSULATION TYPES SHALL BE THHN OR THWN.
- 624. 10A/20A BRANCH CIRCUITS EXCEEDING 100' IN LENGTH FROM PANEL TO FARTHEST DEVICE SHALL USE NO. 10 CONDUCTORS AND 3/4" C.
- 625. FOR EVERY WIRING DEVICE MARK THE BRANCH CIRCUIT TO WHICH IT IS CONNECTED ON THE BACK OF EACH DEVICE PLATE, USING AN INDELIBLE MARKER PEN.
- 626. ALL DEVICES AND DEVICE PLATES SHALL BE WHITE IN COLOR.
- 627. EXACT LOCATION OF ALL FLOOR-MOUNTED OUTLETS SHALL BE COORDINATED WITH THE ARCHITECT BEFORE ROUGH-IN.
- 628. TWO OR MORE ADJACENT POWER OR COMMUNICATION RECEPTACLES SHALL BE GANGED WITH A COMMON FACEPLATE - IF THEY CANNOT BE GANGED THEY SHALL BE INSTALLED WITH A MINIMUM DISTANCE BETWEEN UNITS.
- 629. WALL RECEPTACLES SHOWN BACK TO BACK MAY BE OFFSET BUT SHALL BE INSTALLED DIRECTLY ADJACENT TO ONE ANOTHER.
- 630. LIGHT SWITCHES SHALL BE NO MORE THAN 6" FROM EDGE OF DOOR FRAME.
- 631. ALL BRANCH CIRCUITS WHICH SERVE OUTLETS LOCATED IN DWELLING UNIT BEDROOMS SHALL HAVE CIRCUIT BREAKERS WITH ARC-FAULT CIRCUIT INTERRUPTER PROTECTION INTEGRAL TO THE BREAKER, AS PER NEC 210-12, WHETHER NOTED ELSEWHERE ON THESE PLANS OR NOT.
- 632. WIDE PENETRATIONS ARE MADE THROUGH A REQUIRED FIRE-RESISTIVE WALL, FLOOR, OR PARTITION FOR THE PURPOSE OF RUNNING RACEWAY CARRYING ELECTRICAL, TELEPHONE, TELEVISION, OR LOCAL COMMUNICATION AND/OR SIGNALING CIRCUITS, THE OPENING AROUND THE RACEWAY SHALL BE FIRE STOPPED PER THE STATE BUILDING CODE. COORDINATION WITH THE GENERAL CONTRACTOR SHALL BE MAINTAINED TO INSURE THAT THIS FIRE STOPPING IS ACCOMPLISHED. USE APPROVED ASSEMBLIES SUCH AS THE FOLLOWING:
"CONDUIT PENETRATIONS OF 1 1/2 & 4 HOUR GYP BOARD WALLS - UL#WJ001
"CONDUIT PENETRATIONS OF 1 1/2 & 4 HOUR CONCRETE OR BLOCK WALLS - UL#CAJ001
"CONDUIT PENETRATIONS OF 1 1/2 & 4 HOUR CONCRETE FLOORS - UL#CAJ001
"CONDUIT PENETRATIONS OF 1 HOUR GYPBOARD CEILING ASSEMBLY - L526
"MULT. CONDUIT PENETRATIONS OF 1 1/2 & 4 HOUR CONCRETE OR BLOCK WALL OR FLOOR - CAJ041
- 633. IN REQUIRED FIRE RATED WALLS AND PARTITIONS, OPENINGS FOR INSTALLATION OF BOXES THAT ARE GREATER THAN 16 SQUARE INCHES SHALL BE PROTECTED AS REQUIRED BY UL. COORDINATE CLOSELY WITH THE GENERAL CONTRACTOR TO INSURE THAT THE INTEGRITY OF THE UL RATING IS MAINTAINED.
- 634. OUTLET BOXES FOR DEVICES MOUNTED ON OPPOSITE SIDES OF FIRE RATED PARTITIONS SHALL NOT BE MOUNTED IN THE SAME WALL CAVITY. SEPARATE WALL PENETRATIONS BY MOUNTING ON OPPOSITE SIDES OF WALL STUDS OR OTHER VERTICAL STRUCTURAL MEMBER IN THE WALL.
- 635. ALL INDOOR BRANCH CIRCUIT WIRING SHALL BE TYPE NM, NMC, OR NMS FOR DWELLING UNITS LOCATED IN BUILDINGS OF TYPE III, IV AND V CONSTRUCTION. UNIT SERVICE FEEDERS SHALL BE TYPE SE OR USE CABLES EXCEPT IN 4 STORY BUILDINGS. ALL OTHER WIRING EXCEEDING 50 AMPERES SHALL BE INSTALLED IN EMT INDOORS OR PVC OUTDOORS, WHERE NOT SUBJECT TO PHYSICAL DAMAGE.

ELECTRICAL SYMBOL LEGEND

	ARCS INDICATE CIRCUITING OF COMPONENTS. PARALLEL LINES INDICATE BREAK IN CONTROL OF CIRCUIT, IN OTHER WORDS, CONTINUATION OF HOT CONDUCTOR, BUT NOT NEUTRAL. ARROWHEADS INDICATE HOMERUNS BACK TO ELECTRICAL PANEL. NUMBER OF ARROWHEADS INDICATES NUMBER OF CIRCUITS.
	ELECTRICAL CONNECTION TO EQUIPMENT
	JUNCTION BOX CEILING OR FLOOR MOUNTED. "C" INDICATES DATA CABLES IN J-BOX "T" INDICATES TELEPHONE CABLES IN J-BOX "S" INDICATES ISOLATED GROUND CIRCUITS IN J-BOX
	CEILING MOUNTED JUNCTION BOX UL LISTED FOR USE AS CEILING FAN SUPPORT.
	JUNCTION BOX WALL MOUNTED AT 18" AFF OR HEIGHT INDICATED ON DRAWINGS.
	SINGLE POLE SWITCH, 20A, 120/277V, 48" AFF. TO CENTER.
	MULTI-LEVEL SWITCHING. SWITCH INBOARD AND OUTBOARD LAMPS SEPARATELY. SUBSCRIPTED "3" INDICATES THREE-WAY SWITCHING.
	CEILING FAN AND LIGHT SWITCH. "L" DENOTES SWITCH CONTROLLING LIGHT AND "F" DENOTES SWITCH CONTROLLING FAN.
	3-WAY SWITCH, 20A, 120/277V, 48" AFF. TO CENTER.
	MOTOR RATED SWITCH, 20A, 120/277V.
	DIMMER SWITCH, 20A, 120/277V, 48" AFF.
	DUPLEX RECEPTACLE, 20A, 120 VOLT, 48" AFF. TO CENTER, UGA.
	DOUBLE DUPLEX RECEPTACLE, 20 AMP, 120 VOLT, 48" AFF. TO CENTER.
	208V OR 240V SPECIALTY RECEPTACLE. REFER TO PANEL SCHEDULE FOR AMP RATING.
	DUPLEX RECEPTACLE, 20A, 120 VOLT, MOUNTED 6" ABOVE CENTER OR AT HEIGHT INDICATED.
	DUPLEX RECEPTACLE, 20 AMP, 120 VOLT, FLOOR MOUNTED WITH BRASS COVERPLATE.
	CABLE TELEVISION OUTLET.
	TELEPHONE OUTLET, 48" AFF. TO CENTER, W/ 3/4" CONDUIT STUBBED OUT ABOVE ACCESSIBLE CEILING. "W" INDICATES WALL MOUNTED AT 4'-0"
	DATA OUTLET, 48" AFF. TO CENTER. "W" INDICATES WALL MOUNTED AT 4'-0" PROVIDE CAT 5 STYLE CABLE FROM EACH DATA BOX BACK TO A CENTRAL POINT, COORDINATE EXACT TERMINATION POINT WITH OWNER.
	TELEPHONE BOARD 48x48x2 1/2" UNLESS NOTED OTHERWISE, PAINTED WITH FLAME RETARDANT PAINT. EXTEND #6 GROUND WIRE FROM BOARD TO SERVICE GROUND.
	HEAVY DUTY FUSIBLE/NON-FUSIBLE DISCONNECT SWITCH, NUMBERS INDICATE FRAME/POLES/FUSES, PROVIDE NEMA 1 ENCLOSURE INSIDE, PROVIDE NEMA 3R ENCLOSURE FOR ALL SWITCHES LOCATED OUTSIDE. "FPM" INDICATES FUSED PER NAMEPLATE, "NF" INDICATES NON FUSED.
	EXHAUST FAN, PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR.
	PANEL BOARD, RECEPTACLE OR SURFACE MOUNTED, REFER TO PANEL BOARD SCHEDULES FOR ADDITIONAL DETAILS. DASHED LINES INDICATE LIMITS OF REQUIRED CLEARANCES.
	2' X 4' FLUORESCENT LIGHTING FIXTURE, SEE FIXTURE SCHEDULE FOR DETAILS. SHADING INDICATES FIXTURE IS AN UNSWITCHED NIGHTLIGHT.
	FLUORESCENT STRIP LIGHTING FIXTURE, SEE FIXTURE SCHEDULE FOR DETAILS. SHADING INDICATES FIXTURE IS AN UNSWITCHED NIGHTLIGHT.
	1' X 4' LIGHTING FIXTURE, SEE FIXTURE SCHEDULE FOR DETAILS. SHADING INDICATES FIXTURE IS AN UNSWITCHED NIGHTLIGHT.
	WALL MOUNTED LIGHTING FIXTURE, SEE FIXTURE SCHEDULE FOR DETAILS. SHADING INDICATES FIXTURE IS AN UNSWITCHED NIGHTLIGHT.
	CEILING MOUNTED LIGHTING FIXTURE, SEE FIXTURE SCHEDULE FOR DETAILS. SHADING INDICATES FIXTURE IS AN UNSWITCHED NIGHTLIGHT.
	EXIT LIGHT, WALL AND CEILING MOUNTED RESPECTIVELY, SHADING INDICATES FACE PROVIDE EMERGENCY BATTERY PACK RATED FOR 90 MINUTES OF OPERATION.
	EMERGENCY LIGHTS, SURFACE AND CEILING MOUNTED. REFER TO FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
	DWELLING UNIT SMOKE DETECTOR, CONNECT TO THE NEAREST UNSWITCHED 120V CIRCUIT, WITH BATTERY BACKUP. INTERCONNECT ALL DWELLING UNIT SMOKE DETECTORS SO THAT ALL ALARM WITH THE ACTUATION OF ANY SINGLE DETECTOR.
	CARBON MONOXIDE DETECTOR

ELECTRICAL DRAWING INDEX

E1	ELECTRICAL LEGEND, NOTES AND SCHEDULE
E2	ELECTRICAL TYPICAL UNIT PLANS
E3	ELECTRICAL TYPICAL UNIT PLANS
E4	ELECTRICAL TYPICAL UNIT PLANS
E5	ELECTRICAL TYPICAL UNIT PLANS
E6	ELECTRICAL PANEL SCHEDULES, RISERS AND DETAILS



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LAKE SHORE
TOWN
HOMES

Tega Coy,
South Carolina

DATE: 06/09/05

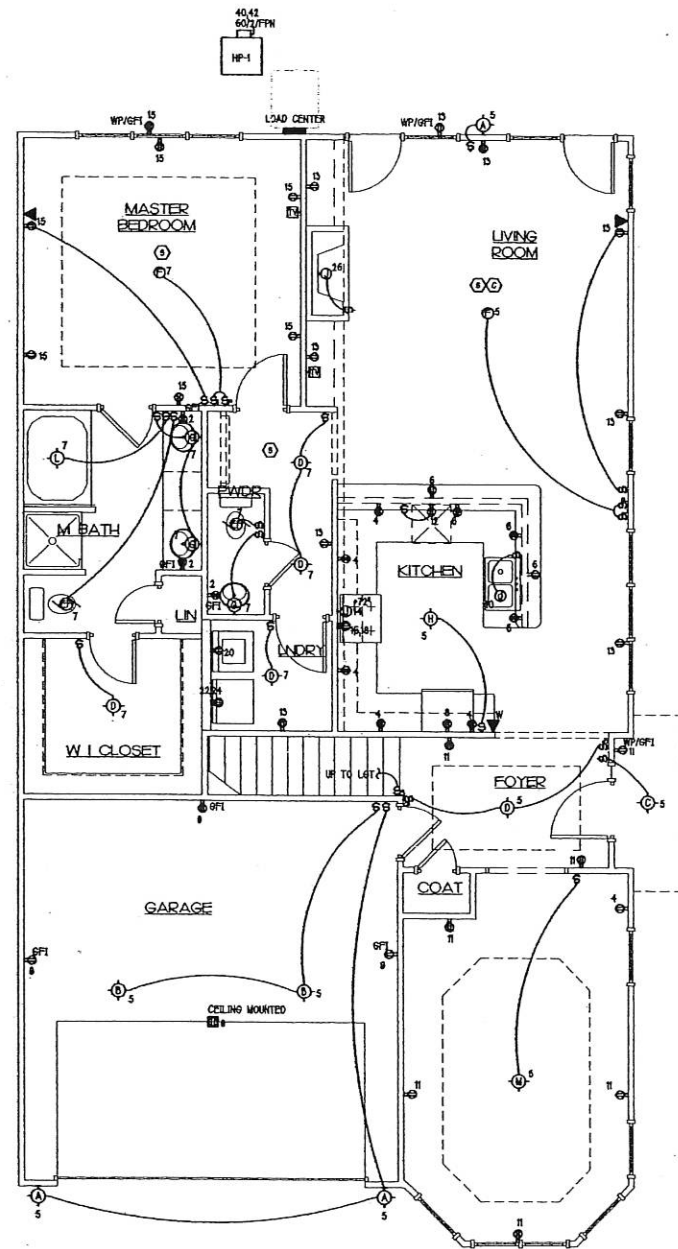
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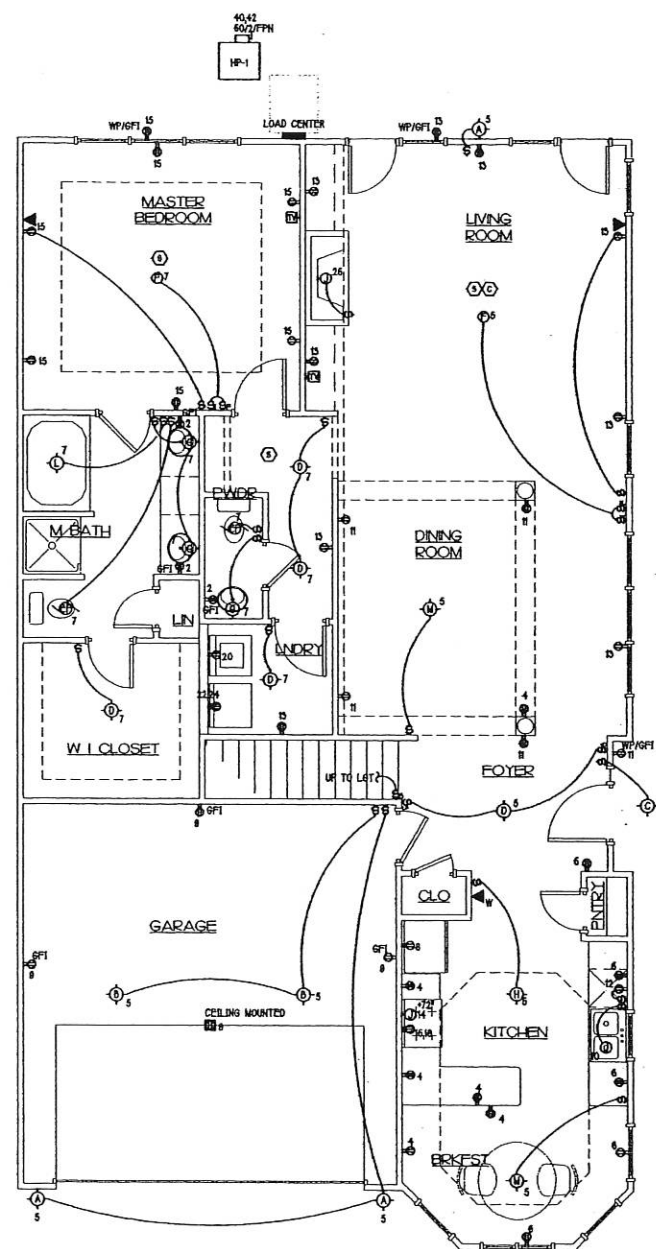
Permit & Construction:

E1

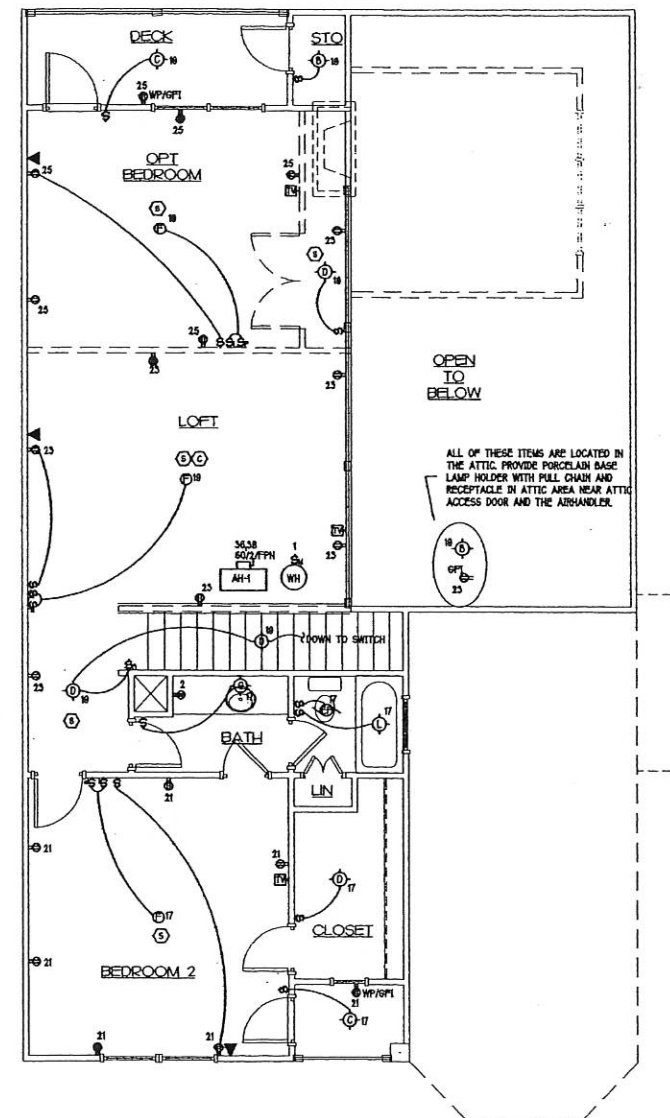
ELECTRICAL LEGEND,
NOTES & SCHEDULE



1 FIRST FLOOR 2 STORY UNIT
 1/4" = 1'-0"
 ALL CIRCUIT NUMBERS REFER TO TENANT PANEL U04



2 FIRST FLOOR 2 STORY UNIT (ALTERNATE)
 1/4" = 1'-0"
 ALL CIRCUIT NUMBERS REFER TO TENANT PANEL U04



3 SECOND FLOOR 2 STORY UNIT
 1/4" = 1'-0"
 ALL CIRCUIT NUMBERS REFER TO TENANT PANEL U04



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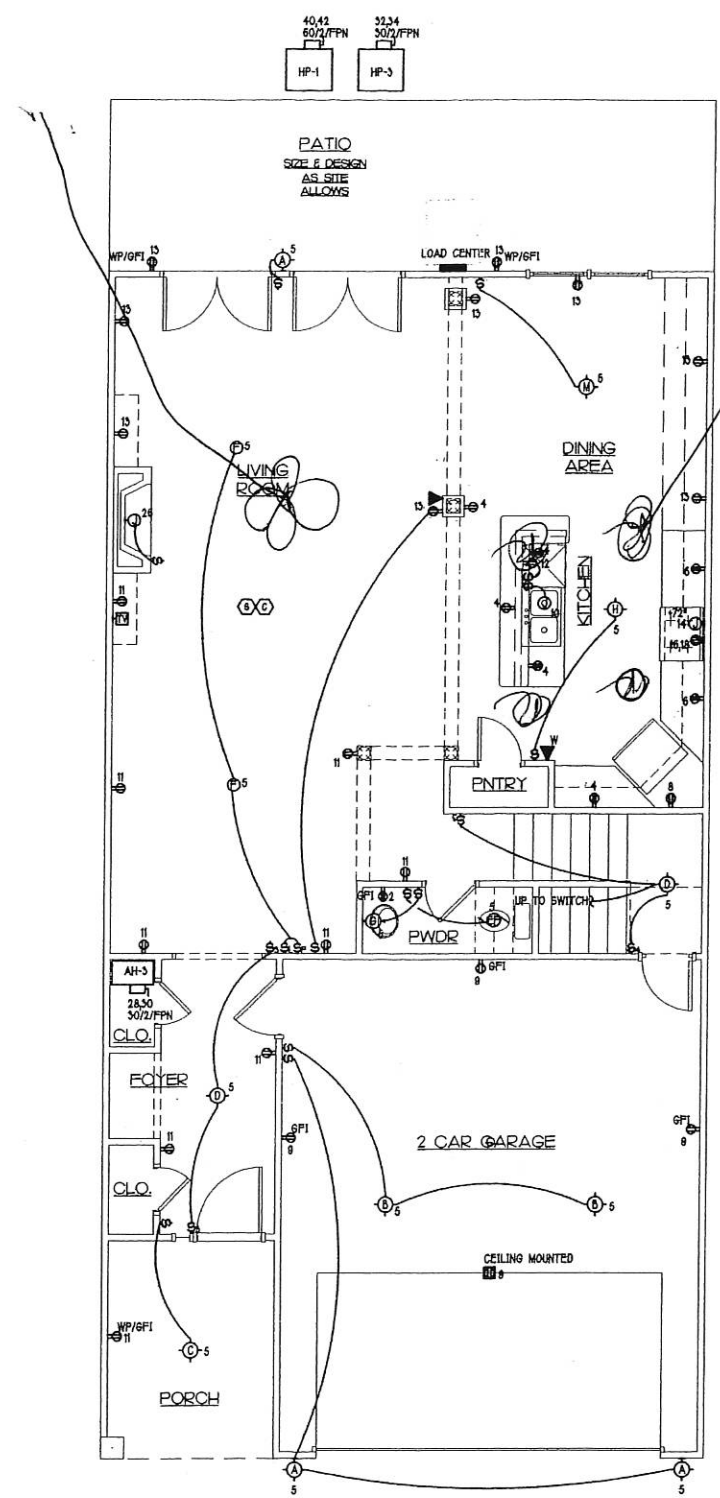
LAKE SHORE
 TOWN
 HOMES

Tega Cay,
 South Carolina

DATE ISSUED:	06/09/05
PROJECT NO.:	2530
ISSUED FOR:	Permit & Construction:

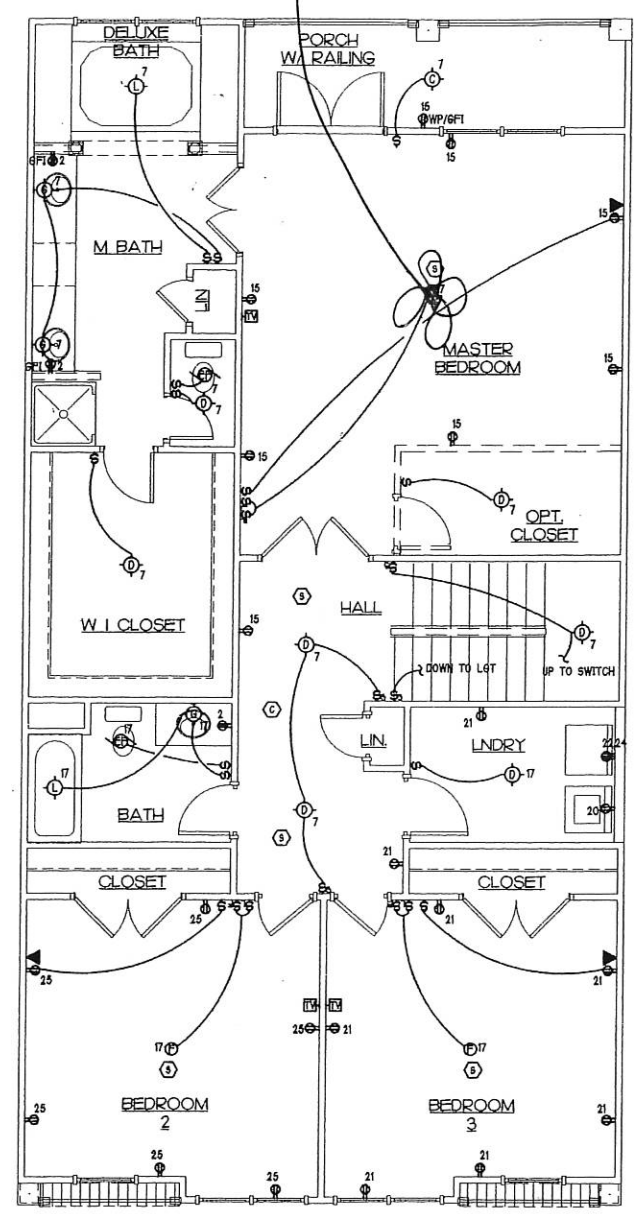
E2

ELECTRICAL TYPICAL
 UNIT PLANS



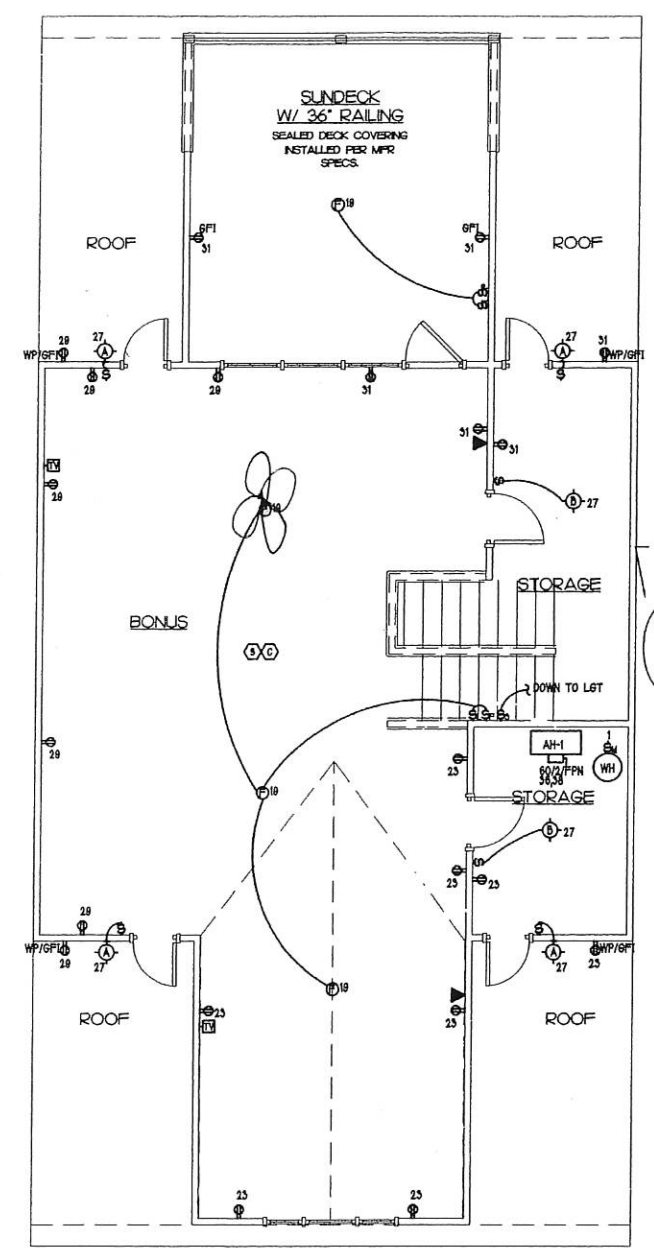
1
E3
FIRST FLOOR 3 STORY UNIT
1/4" = 1'-0"
ALL CIRCUIT NUMBERS REFER TO TENANT PANEL U.O.N

ONT



2
E3
SECOND FLOOR 3 STORY UNIT
1/4" = 1'-0"
ALL CIRCUIT NUMBERS REFER TO TENANT PANEL U.O.N

BUM - HD



3
E3
THIRD FLOOR 3 STORY UNIT
1/4" = 1'-0"
ALL CIRCUIT NUMBERS REFER TO TENANT PANEL U.O.N

ALL OF THESE ITEMS ARE LOCATED IN THE ATTIC PROVIDE PORCELAIN BASE LAMP HOLDER WITH FULL CHAIN AND RECEPTACLE IN ATTIC AREA NEAR ATTIC ACCESS DOOR AND THE AIRHANDLER.

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**LAKE SHORE
TOWN
HOMES**

Tega Cay,
South Carolina

DATE CORRECTED:	06/09/05
PROJECT NO.:	2530
DRAWN FOR:	Permit & Construction:

E3
ELECTRICAL TYPICAL
UNIT PLANS

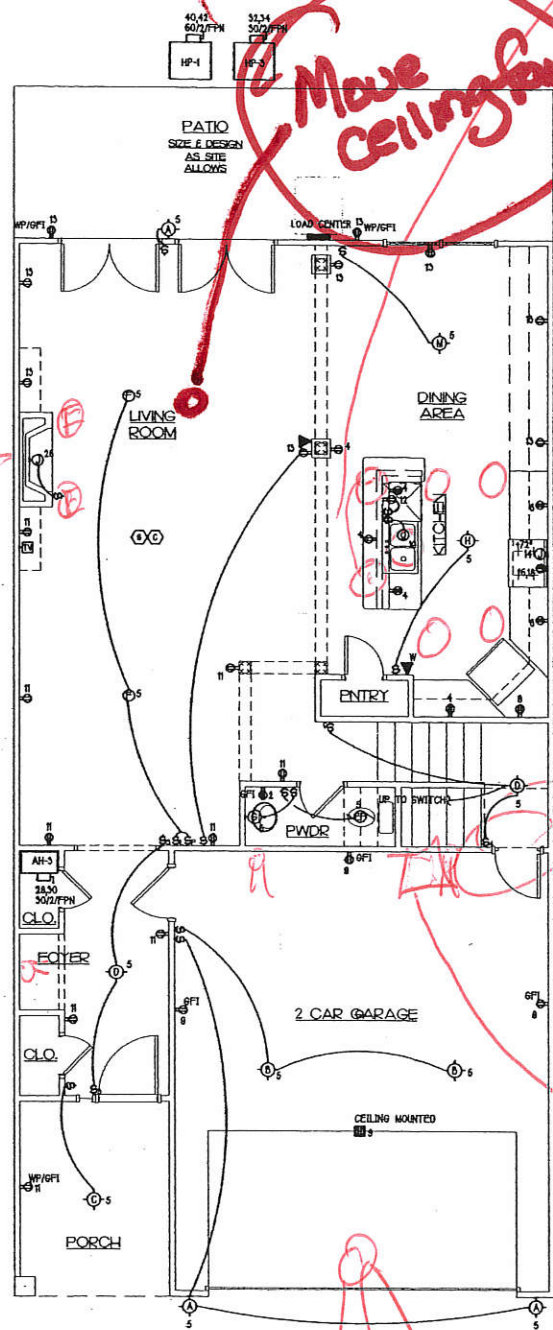
Move ceiling fan
Separate switch

Stone F.P.

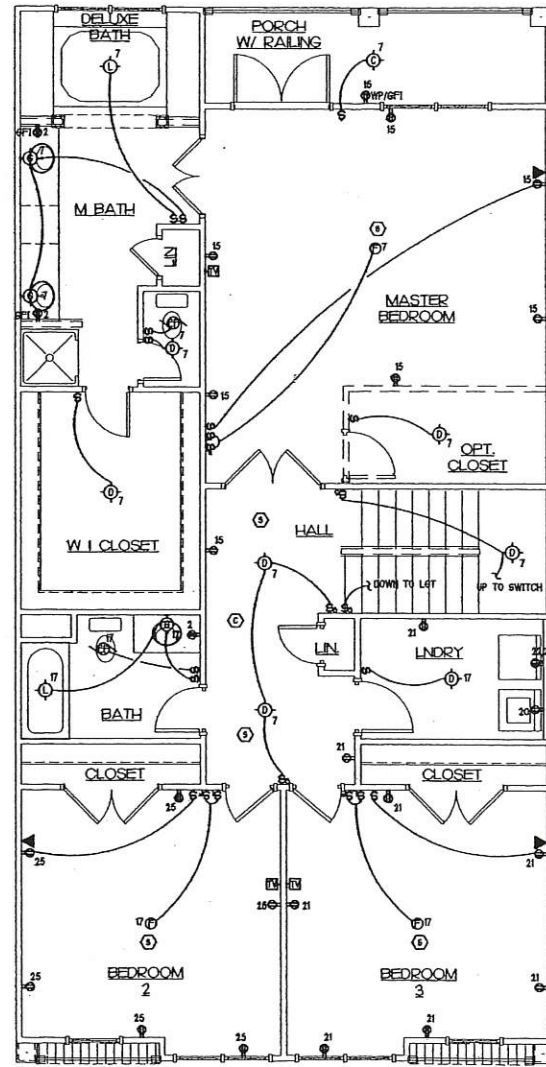
Laundry sink

I drive

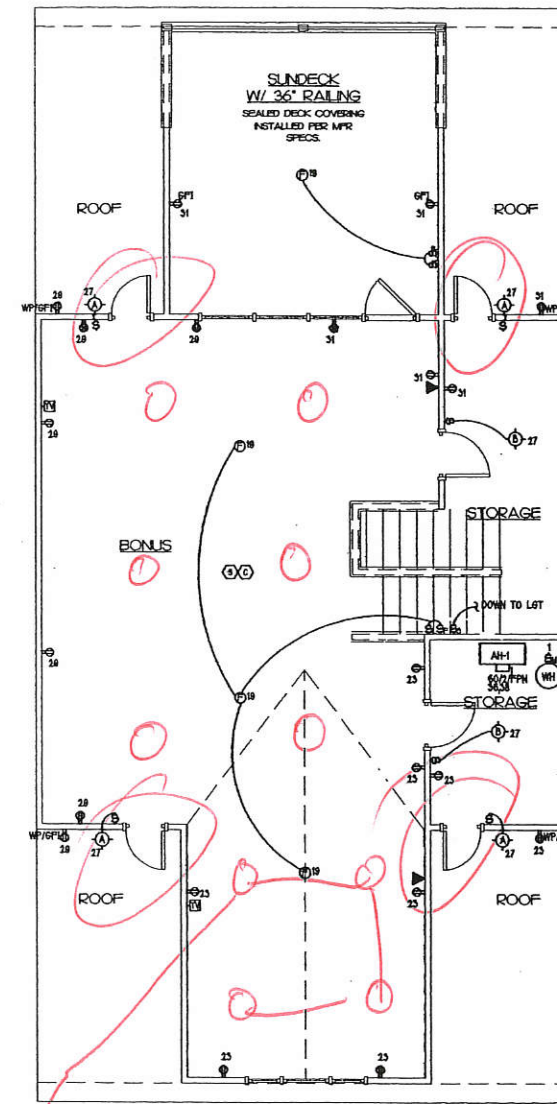
Separate switch



1 FIRST FLOOR 3 STORY UNIT
 1/4" = 1'-0"
 ALL CIRCUIT NUMBERS REFER TO TENANT PANEL UDN

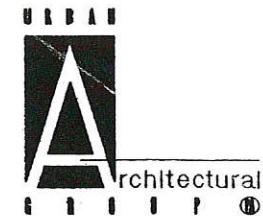


2 SECOND FLOOR 3 STORY UNIT
 1/4" = 1'-0"
 ALL CIRCUIT NUMBERS REFER TO TENANT PANEL UDN



3 THIRD FLOOR 3 STORY UNIT
 1/4" = 1'-0"
 ALL CIRCUIT NUMBERS REFER TO TENANT PANEL UDN

ALL OF THESE ITEMS ARE LOCATED IN THE ATTIC. PROVIDE PORCELAIN BASE LAMP HOLDERS WITH FULL CHAIN AND RECEPTACLE IN ATTIC AREA NEAR ATTIC ACCESS DOOR AND THE AIRHANDLER.



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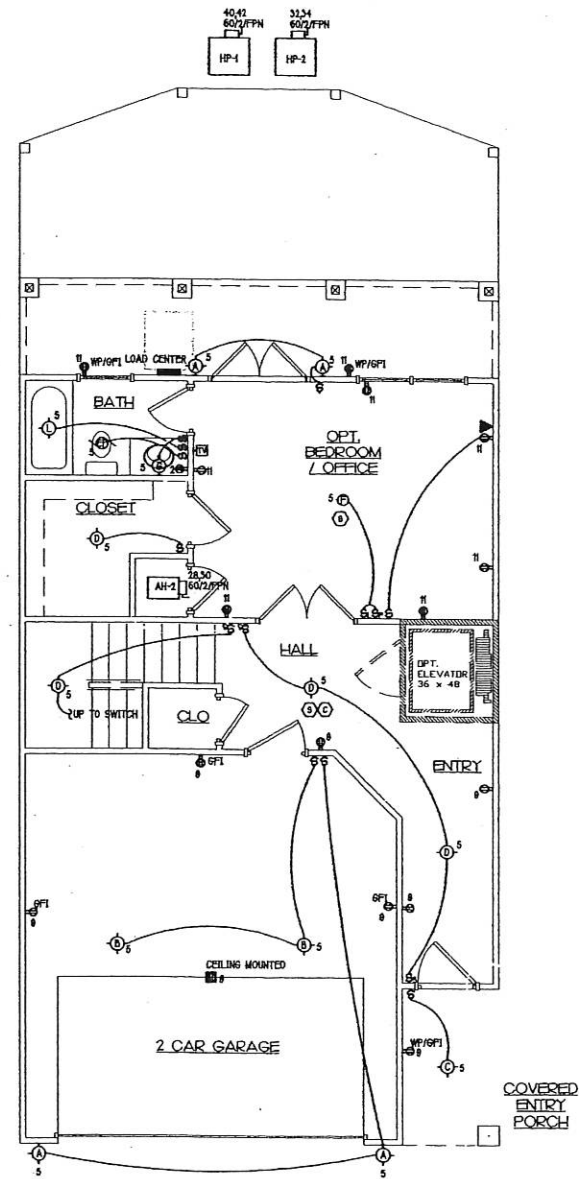
LAKE SHORE TOWN HOMES

Tega Cay, South Carolina

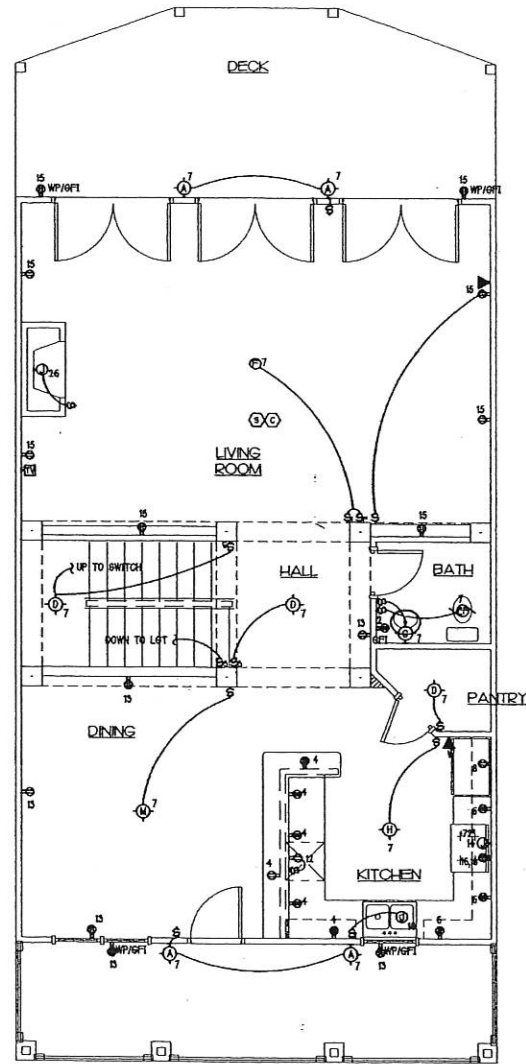
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PROJECT NO.:	2530
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E3

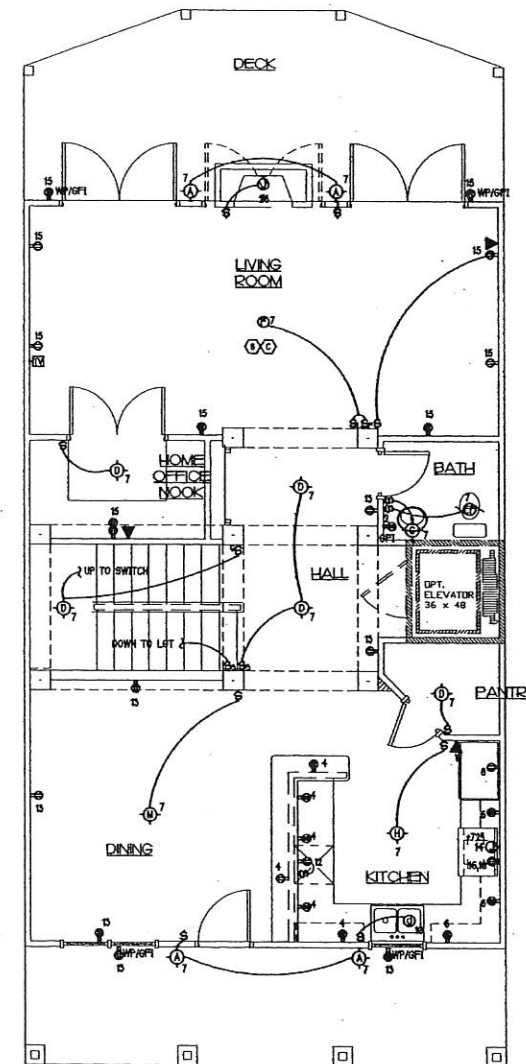
ELECTRICAL TYPICAL UNIT PLANS



1
E4
FIRST FLOOR 4 STORY UNIT
1/4" = 1'-0"
ALL CIRCUIT NUMBERS REFER TO TENANT PANEL UOJH



2
E4
SECOND FLOOR 4 STORY UNIT
1/4" = 1'-0"
ALL CIRCUIT NUMBERS REFER TO TENANT PANEL UOJH



3
E4
SECOND FLOOR 4 STORY UNIT (ALTERNATE)
1/4" = 1'-0"
ALL CIRCUIT NUMBERS REFER TO TENANT PANEL UOJH



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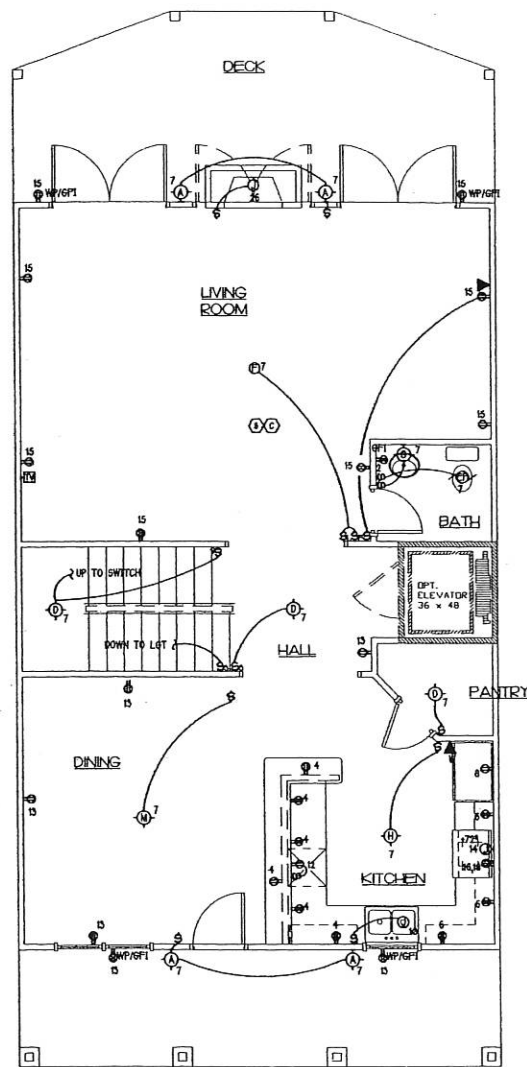
**LAKE SHORE
TOWN
HOMES**

Tega Cay,
South Carolina

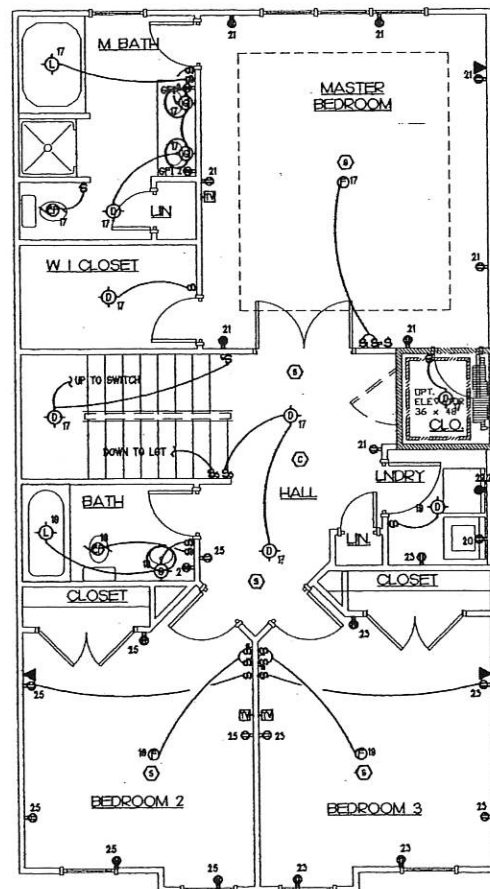
DATE:	06/09/05
PROJECT NO.:	2530
DESIGN FOR:	Permit & Construction:

E4

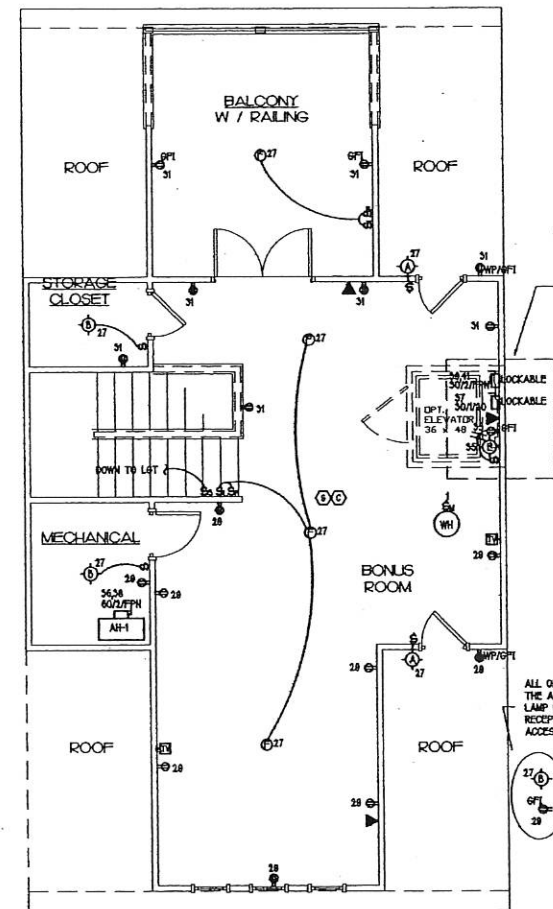
ELECTRICAL TYPICAL
UNIT PLANS



1 SECOND FLOOR 4 STORY UNIT (ELEVATOR)
 E5
 1/4" = 1'-0"
 ALL CIRCUIT NUMBERS REFER TO TENANT PANEL U/LON



2 THIRD FLOOR 4 STORY UNIT
 E5
 1/4" = 1'-0"
 ALL CIRCUIT NUMBERS REFER TO TENANT PANEL U/LON



3 FOURTH FLOOR 4 STORY UNIT
 E5
 1/4" = 1'-0"
 ALL CIRCUIT NUMBERS REFER TO TENANT PANEL U/LON



LAKE SHORE TOWN HOMES

Tega Cay, South Carolina

THESE DEVICES ARE LOCATED AT THE TOP OF THE ELEVATOR RISERWAY. COORDINATE WITH THE ELEVATOR SUPPLIER PRIOR TO INSTALLATION.

ALL OF THESE ITEMS ARE LOCATED IN THE ATTIC. PROVIDE PORCELAIN BASE LAMP HOLDER WITH PULL CHAIN AND RECEPTACLE IN ATTIC AREA NEAR ATTIC ACCESS DOOR AND THE AIRHANDLER.

DATE ISSUED	06/09/05
PROJECT NO.	2530
ISSUED FOR	Permit & Construction:

E5
 ELECTRICAL TYPICAL UNIT PLANS

CONSTRUCTION DATA
APPENDIX B

NAME OF PROJECT: LAKE SHORE HOMES
 Address: TEGA CAY, ROCK HILL, SC
 Proposed Use: MULTIFAMILY RESIDENTIAL
 Owner or Authorized Agent: JRB Construction, PHONE# 704-277-2556
 Owned By: City/County Private State
 Code Enforcement Jurisdiction: City County Town/City

LEAD DESIGN PROFESSIONAL: JOHN R. URBAN, JR.

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE NO.
Architectural	URBAN ARCHITECTURAL GROUP	JOHN R. URBAN, JR.	2509	(704) 841-1000
Civil	SWANSON GROUP	SWANSON GROUP	021537	(704) 527-3440
Electrical	UP CONSULTING ENGINEERS, PA	NICHOLAS C. WETTON	23181	(704) 333-3312
Fire Alarm	UP CONSULTING ENGINEERS, PA	DAVID M. PERRY	22725	(704) 333-3312
Plumbing	UP CONSULTING ENGINEERS, PA	DAVID M. PERRY	22725	(704) 333-3312
Mechanical	UP CONSULTING ENGINEERS, PA	DAVID M. PERRY	22725	(704) 333-3312
Sprinkler-Shop/Draw				
Structural				
Retaining Walls > 5' High				
Other				

YEAR ACCESSION OF CODE: 2003 IBC
 New Construction Remodeling (Existing Bldg) Alter Addition

BUILDING DATA:

Occupation Type: A-1 A-2 A-3 A-4 A-5 A-6
 B-1 B-2 B-3 B-4 B-5 B-6

Special Occupancy: No Yes MFR 13 MFR 13R MFR 13B MFR 13C MFR 13D MFR 13E MFR 13F MFR 13G MFR 13H MFR 13I MFR 13J MFR 13K MFR 13L MFR 13M MFR 13N MFR 13O MFR 13P MFR 13Q MFR 13R MFR 13S MFR 13T MFR 13U MFR 13V MFR 13W MFR 13X MFR 13Y MFR 13Z

Fire Alarm: No Yes MFR 13 MFR 13R MFR 13B MFR 13C MFR 13D MFR 13E MFR 13F MFR 13G MFR 13H MFR 13I MFR 13J MFR 13K MFR 13L MFR 13M MFR 13N MFR 13O MFR 13P MFR 13Q MFR 13R MFR 13S MFR 13T MFR 13U MFR 13V MFR 13W MFR 13X MFR 13Y MFR 13Z

Building Height: No Yes MFR 13 MFR 13R MFR 13B MFR 13C MFR 13D MFR 13E MFR 13F MFR 13G MFR 13H MFR 13I MFR 13J MFR 13K MFR 13L MFR 13M MFR 13N MFR 13O MFR 13P MFR 13Q MFR 13R MFR 13S MFR 13T MFR 13U MFR 13V MFR 13W MFR 13X MFR 13Y MFR 13Z

High Rise: No Yes MFR 13 MFR 13R MFR 13B MFR 13C MFR 13D MFR 13E MFR 13F MFR 13G MFR 13H MFR 13I MFR 13J MFR 13K MFR 13L MFR 13M MFR 13N MFR 13O MFR 13P MFR 13Q MFR 13R MFR 13S MFR 13T MFR 13U MFR 13V MFR 13W MFR 13X MFR 13Y MFR 13Z

Other Building Use: See Applicable Building Code

Floor	Existing (sq. ft.)	New (sq. ft.)	Sub-Total
Unit 1 (1st Floor)	0	300	300
Unit 2 (2nd Floor)	0	300	300
Unit 3 (3rd Floor)	0	300	300
Unit 4 (4th Floor)	0	300	300
Total	0	1,200	1,200

ALLOWABLE AREA:

Primary Occupancy: A-1 A-2 A-3 A-4 A-5 A-6
 B-1 B-2 B-3 B-4 B-5 B-6

Special Occupancy: MFR 13 MFR 13R MFR 13B MFR 13C MFR 13D MFR 13E MFR 13F MFR 13G MFR 13H MFR 13I MFR 13J MFR 13K MFR 13L MFR 13M MFR 13N MFR 13O MFR 13P MFR 13Q MFR 13R MFR 13S MFR 13T MFR 13U MFR 13V MFR 13W MFR 13X MFR 13Y MFR 13Z

Maximum Building Area: No Yes MFR 13 MFR 13R MFR 13B MFR 13C MFR 13D MFR 13E MFR 13F MFR 13G MFR 13H MFR 13I MFR 13J MFR 13K MFR 13L MFR 13M MFR 13N MFR 13O MFR 13P MFR 13Q MFR 13R MFR 13S MFR 13T MFR 13U MFR 13V MFR 13W MFR 13X MFR 13Y MFR 13Z

Actual Area of Occupancy A + Actual Area of Occupancy B = 1,200 sq. ft.

STORY NO. / DESCRIPTION AND USE	NET AREA (ACTUAL)	NET AREA (PER CODE)	PERCENT INCREASE	PERCENT DECREASE	ALLOWABLE AREA OR INCREASE	PERCENT INCREASE	PERCENT DECREASE
1st Floor	300	300	-	-	-	-	-
2nd Floor	300	300	-	-	-	-	-
3rd Floor	300	300	-	-	-	-	-
4th Floor	300	300	-	-	-	-	-

- Open space area between floor slabs shall be computed as:
 - Perimeter which encloses a single bay or open space having 20 feet wide, within 8 feet.
 - Half of the perimeter.
 - Half of the perimeter.
 - Perimeter which encloses a single bay or open space having 20 feet wide, within 8 feet.
- The allowable increase per Section 506.3 is as follows:
 - Multi-story buildings - 20% per floor.
 - Single story buildings - 10% per floor.
- Unfinished area applicable under conditions of Section 506.3.4 (507.1.507.2.507.3.507.4.507.5.507.6.507.7.507.8.507.9.507.10.507.11.507.12.507.13.507.14.507.15.507.16.507.17.507.18.507.19.507.20.507.21.507.22.507.23.507.24.507.25.507.26.507.27.507.28.507.29.507.30.507.31.507.32.507.33.507.34.507.35.507.36.507.37.507.38.507.39.507.40.507.41.507.42.507.43.507.44.507.45.507.46.507.47.507.48.507.49.507.50.507.51.507.52.507.53.507.54.507.55.507.56.507.57.507.58.507.59.507.60.507.61.507.62.507.63.507.64.507.65.507.66.507.67.507.68.507.69.507.70.507.71.507.72.507.73.507.74.507.75.507.76.507.77.507.78.507.79.507.80.507.81.507.82.507.83.507.84.507.85.507.86.507.87.507.88.507.89.507.90.507.91.507.92.507.93.507.94.507.95.507.96.507.97.507.98.507.99.507.100.
- Minimum Building Area - total number of stories in the building is not greater than 3 + 1.
- The maximum area of parking garage must comply with 506.3.3. The maximum area of traffic control areas must comply with 412.1.2.

ALLOWABLE HEIGHT:

Type of Construction	Typical Height	Increase for Sprinklers	Shown on Plans	Code Reference
Building Height in Feet	40'	Foot-H + 30' = 60'	40'	
Building Height in Stories	Stories = 4	Stories = 1 + 4	Stories = 4	

FIRE PROTECTION REQUIREMENTS:
 Life Safety Plan Sheet, if Provided

BUILDING ELEMENT	FIRE SEPARATION (FEET)	TESTS	PROVIDED (OR) NOT	DETAIL AND SHEET #	SECTION # FOR ASSEMBLY	SECTION # FOR PENETRATION	SECTION # FOR JOINTS
Structural Frame including columns, girders, and joists	N/A	0	N/A				
Roofing	N/A	0	N/A				
Exterior Walls	2 1/2	0	N/A				
North	2 1/2	0	N/A				
East	2 1/2	0	N/A				
West	2 1/2	0	N/A				
South	2 1/2	0	N/A				
Interior	N/A	0	N/A				
Nonbearing Walls and Partitions	N/A	0	N/A				
Corridor	2 1/2	0	N/A				
North	2 1/2	0	N/A				
East	2 1/2	0	N/A				
West	2 1/2	0	N/A				
South	2 1/2	0	N/A				
Staircase	N/A	0	N/A				
Floor Construction including supporting beams and joists	N/A	0	N/A				
Roof Construction including supporting beams and joists	N/A	0	N/A				
Shower-Cell	N/A	0	N/A				
Shower-Other	N/A	0	N/A				
Driveway Separation	N/A	0	N/A				
Occupancy Separation	N/A	0	0				
Party/Bar Wall Separation	N/A	2	0	ALL	803A		
Smoke Barrier Separation	N/A	0	N/A				
Sound Separation	N/A	2	0	N/A			

SCOPE OF WORK:
 1. New Multi-Family Residential which includes private garage.
 2.
 3.
 4.

LIFE SAFETY SYSTEM REQUIREMENTS:
 Emergency Lighting No Yes
 Exit Signs No Yes
 Fire Alarm No Yes
 Smoke Detection System No Yes
 Public Address No Yes

EXIT REQUIREMENTS:
 Number and Arrangement of Exit

FLOOR, ROOM OR SPACE DESIGNATION	MINIMUM # OF EXITS		MINIMUM WIDTH		MINIMUM CLEARANCE	
	REQUIRED	SHOWN ON PLANS	ALLOWABLE MINIMUM WIDTH (TABLE 1016.2)	ACTUAL MINIMUM WIDTH SHOWN ON PLANS	REQUIRED MINIMUM CLEARANCE (TABLE 1016.3)	ACTUAL MINIMUM CLEARANCE SHOWN ON PLANS
Unit Type A	2	2	20	20	7'	7'

- Corridor door width (Section 1016.2)
- Single width (Table 1016.2)
- Common Path of Travel (Section 1016.2)

USE GROUP OR SPACE DESCRIPTION	(a)	(b)	(c)	EXIT WIDTH (w) (TABLE 1016.3)	
	AREA (sq. ft.)	AREA (sq. ft.)	EXCESS WIDTH PER OCCUPANT (TABLE 1016.3)	REQUIRED WIDTH (w) (TABLE 1016.3)	ACTUAL WIDTH (w) (TABLE 1016.3)
Unit Type A - R2	3470	380	3.0	2.7	30"

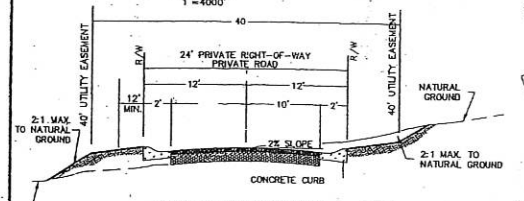
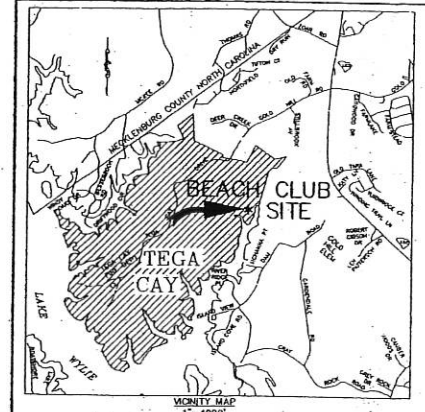
- See Table 1016.3.2 in determining whether net or gross area is applicable. Use address "Yes, Gross" and "Yes, Net" (Section 1016.3.2).
- Footcandle minimum.
- Minimum doorway width (Section 1016.3.1) Min. corridor width (Section 1016.2); Minimum door width (Section 1016.1.1).
- Minimum width of exit passageway (Section 1016.1.1).
- The loss of one source of egress shall not reduce the available capacity to less than 50 percent of the total required.

STRUCTURAL DESIGN:
 Design Loads:
 Importance Factor: I II III
 Wind (W) No Yes
 Snow (S) No Yes
 Seismic (E) No Yes

Wind Load:
 Basic Wind Speed: 90 mph (ASCE 7-05)
 Exposure Category: B (per ASCE 7-05)
 Wind Directionality Factor: 1.0
 Substituted Design Category: II
 Compliance with Section 1616.4.1: No Yes

Substituted Design Category II: Provide the following Substituted Design Parameters:
 Seismic Use Category: II
 Spectral Response Acceleration: $S_{DS} = 0.15$ by $S_{D1} = 0.20$ by $S_{D2} = 0.25$ by $S_{D3} = 0.30$ by $S_{D4} = 0.35$ by $S_{D5} = 0.40$ by $S_{D6} = 0.45$ by $S_{D7} = 0.50$ by $S_{D8} = 0.55$ by $S_{D9} = 0.60$ by $S_{D10} = 0.65$ by $S_{D11} = 0.70$ by $S_{D12} = 0.75$ by $S_{D13} = 0.80$ by $S_{D14} = 0.85$ by $S_{D15} = 0.90$ by $S_{D16} = 0.95$ by $S_{D17} = 1.00$ by $S_{D18} = 1.05$ by $S_{D19} = 1.10$ by $S_{D20} = 1.15$ by $S_{D21} = 1.20$ by $S_{D22} = 1.25$ by $S_{D23} = 1.30$ by $S_{D24} = 1.35$ by $S_{D25} = 1.40$ by $S_{D26} = 1.45$ by $S_{D27} = 1.50$ by $S_{D28} = 1.55$ by $S_{D29} = 1.60$ by $S_{D30} = 1.65$ by $S_{D31} = 1.70$ by $S_{D32} = 1.75$ by $S_{D33} = 1.80$ by $S_{D34} = 1.85$ by $S_{D35} = 1.90$ by $S_{D36} = 1.95$ by $S_{D37} = 2.00$ by $S_{D38} = 2.05$ by $S_{D39} = 2.10$ by $S_{D40} = 2.15$ by $S_{D41} = 2.20$ by $S_{D42} = 2.25$ by $S_{D43} = 2.30$ by $S_{D44} = 2.35$ by $S_{D45} = 2.40$ by $S_{D46} = 2.45$ by $S_{D47} = 2.50$ by $S_{D48} = 2.55$ by $S_{D49} = 2.60$ by $S_{D50} = 2.65$ by $S_{D51} = 2.70$ by $S_{D52} = 2.75$ by $S_{D53} = 2.80$ by $S_{D54} = 2.85$ by $S_{D55} = 2.90$ by $S_{D56} = 2.95$ by $S_{D57} = 3.00$ by $S_{D58} = 3.05$ by $S_{D59} = 3.10$ by $S_{D60} = 3.15$ by $S_{D61} = 3.20$ by $S_{D62} = 3.25$ by $S_{D63} = 3.30$ by $S_{D64} = 3.35$ by $S_{D65} = 3.40$ by $S_{D66} = 3.45$ by $S_{D67} = 3.50$ by $S_{D68} = 3.55$ by $S_{D69} = 3.60$ by $S_{D70} = 3.65$ by $S_{D71} = 3.70$ by $S_{D72} = 3.75$ by $S_{D73} = 3.80$ by $S_{D74} = 3.85$ by $S_{D75} = 3.90$ by $S_{D76} = 3.95$ by $S_{D77} = 4.00$ by $S_{D78} = 4.05$ by $S_{D79} = 4.10$ by $S_{D80} = 4.15$ by $S_{D81} = 4.20$ by $S_{D82} = 4.25$ by $S_{D83} = 4.30$ by $S_{D84} = 4.35$ by $S_{D85} = 4.40$ by $S_{D86} = 4.45$ by $S_{D87} = 4.50$ by $S_{D88} = 4.55$ by $S_{D89} = 4.60$ by $S_{D90} = 4.65$ by $S_{D91} = 4.70$ by $S_{D92} = 4.75$ by $S_{D93} = 4.80$ by $S_{D94} = 4.85$ by $S_{D95} = 4.90$ by $S_{D96} = 4.95$ by $S_{D97} = 5.00$ by $S_{D98} = 5.05$ by $S_{D99} = 5.10$ by $S_{D100} = 5.15$ by $S_{D101} = 5.20$ by $S_{D102} = 5.25$ by $S_{D103} = 5.30$ by $S_{D104} = 5.35$ by $S_{D105} = 5.40$ by $S_{D106} = 5.45$ by $S_{D107} = 5.50$ by $S_{D108} = 5.55$ by $S_{D109} = 5.60$ by $S_{D110} = 5.65$ by $S_{D111} = 5.70$ by $S_{D112} = 5.75$ by $S_{D113} = 5.80$ by $S_{D114} = 5.85$ by $S_{D115} = 5.90$ by $S_{D116} = 5.95$ by $S_{D117} = 6.00$ by $S_{D118} = 6.05$ by $S_{D119} = 6.10$ by $S_{D120} = 6.15$ by $S_{D121} = 6.20$ by $S_{D122} = 6.25$ by $S_{D123} = 6.30$ by $S_{D124} = 6.35$ by $S_{D125} = 6.40$ by $S_{D126} = 6.45$ by $S_{D127} = 6.50$ by $S_{D128} = 6.55$ by $S_{D129} = 6.60$ by $S_{D130} = 6.65$ by $S_{D131} = 6.70$ by $S_{D132} = 6.75$ by $S_{D133} = 6.80$ by $S_{D134} = 6.85$ by $S_{D135} = 6.90$ by $S_{D136} = 6.95$ by $S_{D137} = 7.00$ by $S_{D138} = 7.05$ by $S_{D139} = 7.10$ by $S_{D140} = 7.15$ by $S_{D141} = 7.20$ by $S_{D142} = 7.25$ by $S_{D143} = 7.30$ by $S_{D144} = 7.35$ by $S_{D145} = 7.40$ by $S_{D146} = 7.45$ by $S_{D147} = 7.50$ by $S_{D148} = 7.55$ by $S_{D149} = 7.60$ by $S_{D150} = 7.65$ by $S_{D151} = 7.70$ by $S_{D152} = 7.75$ by $S_{D153} = 7.80$ by $S_{D154} = 7.85$ by $S_{D155} = 7.90$ by $S_{D156} = 7.95$ by $S_{D157} = 8.00$ by $S_{D158} = 8.05$ by $S_{D159} = 8.10$ by $S_{D160} = 8.15$ by $S_{D161} = 8.20$ by $S_{D162} = 8.25$ by $S_{D163} = 8.30$ by $S_{D164} = 8.35$ by $S_{D165} = 8.40$ by $S_{D166} = 8.45$ by $S_{D167} = 8.50$ by $S_{D168} = 8.55$ by $S_{D169} = 8.60$ by $S_{D170} = 8.65$ by $S_{D171} = 8.70$ by $S_{D172} = 8.75$ by $S_{D173} = 8.80$ by $S_{D174} = 8.85$ by $S_{D175} = 8.90$ by $S_{D176} = 8.95$ by $S_{D177} = 9.00$ by $S_{D178} = 9.05$ by $S_{D179} = 9.10$ by $S_{D180} = 9.15$ by $S_{D181} = 9.20$ by $S_{D182} = 9.25$ by $S_{D183} = 9.30$ by $S_{D184} = 9.35$ by $S_{D185} = 9.40$ by $S_{D186} = 9.45$ by $S_{D187} = 9.50$ by $S_{D188} = 9.55$ by $S_{D189} = 9.60$ by $S_{D190} = 9.65$ by $S_{D191} = 9.70$ by $S_{D192} = 9.75$ by $S_{D193} = 9.80$ by $S_{D194} = 9.85$ by $S_{D195} = 9.90$ by $S_{D196} = 9.95$ by $S_{D197} = 10.00$ by $S_{D198} = 10.05$ by $S_{D199} = 10.10$ by $S_{D200} = 10.15$ by $S_{D201} = 10.20$ by $S_{D202} = 10.25$ by $S_{D203} = 10.30$ by $S_{D204} = 10.35$ by $S_{D205} = 10.40$ by $S_{D206} = 10.45$ by $S_{D207} = 10.50$ by $S_{D208} = 10.55$ by $S_{D209} = 10.60$ by $S_{D210} = 10.65$ by $S_{D211} = 10.70$ by $S_{D212} = 10.75$ by $S_{D213} = 10.80$ by $S_{D214} = 10.85$ by $S_{D215} = 10.90$ by $S_{D216} = 10.95$ by S_{D2

LAKE SHORE ON LAKE WYLIE POD MF-1-BEACH CLUB TOWNHOMES TEGA CAY, SOUTH CAROLINA



TOWNHOME ROADWAY DETAIL
(NOT TO SCALE)

LAND BOUNDARY LINE TABLE		LAND BOUNDARY CURVE TABLE						
LINE	DIRECTION	DISTANCE	CURVE	RADIUS	LENGTH	CHORD	DIRECTION	DELTA
L1	N 75°52'40"	22.33	C1	312.50	27.95	27.95	S 24°20'37"	65°07'23"
L2	N 75°52'40"	42.74	C2	312.50	325.46	308.92	N 41°35'49"	58°40'21"
L3	S 88°18'22"	59.44	C3	787.50	126.82	126.71	N 16°08'47"	09°13'44"
L4	S 03°01'40"	57.25	C4	430.81	106.28	105.98	N 12°52'04"	14°07'33"
L5	S 02°18'01"	29.04	C5	430.81	1.01	1.01	N 08°46'30"	09°13'16"
L6	S 32°38'01"	58.93	C6	430.81	36.76	36.75	N 03°06'11"	04°33'21"
L7	S 14°20'52"	20.39	C7	31.67	24.55	23.84	N 19°10'19"	44°25'23"
L8	S 22°05'05"	40.81	C8	35.04	42.18	39.66	N 45°10'30"	68°55'53"
L9	S 05°35'55"	20.76	C9	428.18	6.02	6.02	N 20°52'07"	03°48'20"
L10	S 06°36'58"	12.91	C10	35.00	72.21	60.07	N 88°10'41"	118°12'21"
L11	S 35°58'41"	11.72	C11	35.00	28.84	28.03	S 09°06'42"	47°12'54"
L12	S 08°41'17"	17.82	C12	10.00	1.86	1.86	N 45°10'30"	09°30'56"
L13	S 26°29'17"	17.56	C13	35.00	24.08	23.61	S 30°52'07"	32°25'04"
L14	S 06°36'58"	12.91	C14	23.30	22.73	21.84	S 23°12'02"	55°41'00"
L15	S 37°14'28"	29.98	C15	427.81	42.44	42.42	S 03°38'24"	05°41'00"
L16	S 52°02'17"	20.90	C16	405.81	0.53	0.53	S 08°41'41"	09°04'30"
L17	S 31°51'06"	41.50	C17	405.81	83.32	83.12	S 31°23'42"	58°25'04"
L18	S 35°58'41"	32.83	C18	812.50	130.87	130.73	S 16°08'47"	09°13'44"
L19	S 51°08'13"	29.84	C19	287.50	312.64	287.45	S 43°15'39"	62°18'19"
L20	N 85°30'20"	29.26	C20	28.87	48.62	37.58	S 50°38'49"	77°38'09"
L21	N 64°18'25"	1.48	C21	21.03	35.98	31.72	S 31°23'42"	58°25'04"
L22	N 62°18'25"	49.80	C22	374.98	326.07	312.57	S 39°42'37"	57°29'11"
L23	N 57°18'10"	25.47	C23	775.00	124.83	124.70	S 16°08'47"	09°13'44"
L24	N 41°55'06"	29.11	C24	450.00	118.68	118.53	S 13°21'26"	15°14'19"
L25	N 31°19'07"	34.16	C25	450.00	53.19	53.16	S 02°05'48"	02°16'56"
L26	N 24°37'03"	38.65	C26	20.00	10.09	9.88	S 12°54'15"	28°53'50"
L27	N 50°20'04"	10.99	C27	25.00	34.47	33.09	S 00°51'40"	56°25'40"
L28	N 50°20'04"	31.33	C28	35.00	16.70	16.54	N 28°09'59"	27°20'11"
L29	N 78°21'04"	76.41	C29	20.00	14.54	14.22	N 21°00'36"	41°38'34"
L30	N 70°36'06"	72.89	C30	400.00	58.41	58.36	N 14°35'39"	08°22'02"
L31	N 10°53'36"	53.42	C31	400.00	89.44	89.26	N 14°35'39"	12°48'42"
L32	N 05°37'21"	50.58	C32	225.00	112.89	112.75	N 18°08'47"	09°13'44"
L33	N 31°32'55"	77.17	C33	725.00	229.80	226.26	N 42°10'17"	02°20'00"
L34	N 21°03'07"	65.91						
L35	N 19°38'26"	52.03						
L36	N 05°21'44"	13.43						
L37	N 13°14'06"	28.20						
L38	S 11°13'44"	119.98						
L39	S 77°03'19"	35.92						
L40	S 12°58'41"	115.50						

DEVELOPMENT DATA

TOTAL ACRES: +/- 15.75 ACRES
 ACRES PARCEL 1: +/- 4.15 ACRES
 ACRES PARCEL 2: +/- 9.60 ACRES
 MULTI-FAMILY COMMONS OPEN SPACE: +/- 2.87 ACRES
 PARCEL 1: +/- 3.67 ACRES
 PARCEL 2: +/- 4.60 ACRES
 TOTAL: +/- 14.71 ACRES
 TOTAL NATURAL UNDISTURBED OPEN SPACE: +/- 1.84 ACRES
 APPROXIMATE LAND USE BUFFER: +/- 3.50 ACRES

EXISTING ZONING: R-6 PUD YORK COUNTY

COUNTY: YORK COUNTY

MIN FRONT SETBACK: 25'

MIN REAR SETBACK: 24'

MIN SIDE SETBACK: 25'

TAX PARCEL: 644-01-01-032 (PARCEL 1)
644-01-01-034 (PARCEL 2)

PROPOSED USE OF LOTS: MULTI-FAMILY RESIDENTIAL

MULTI-FAMILY UNITS: 82 LOTS

AREA SCHOOLS: FORT MILL 4

FIRE DISTRICT: TEGA CAY

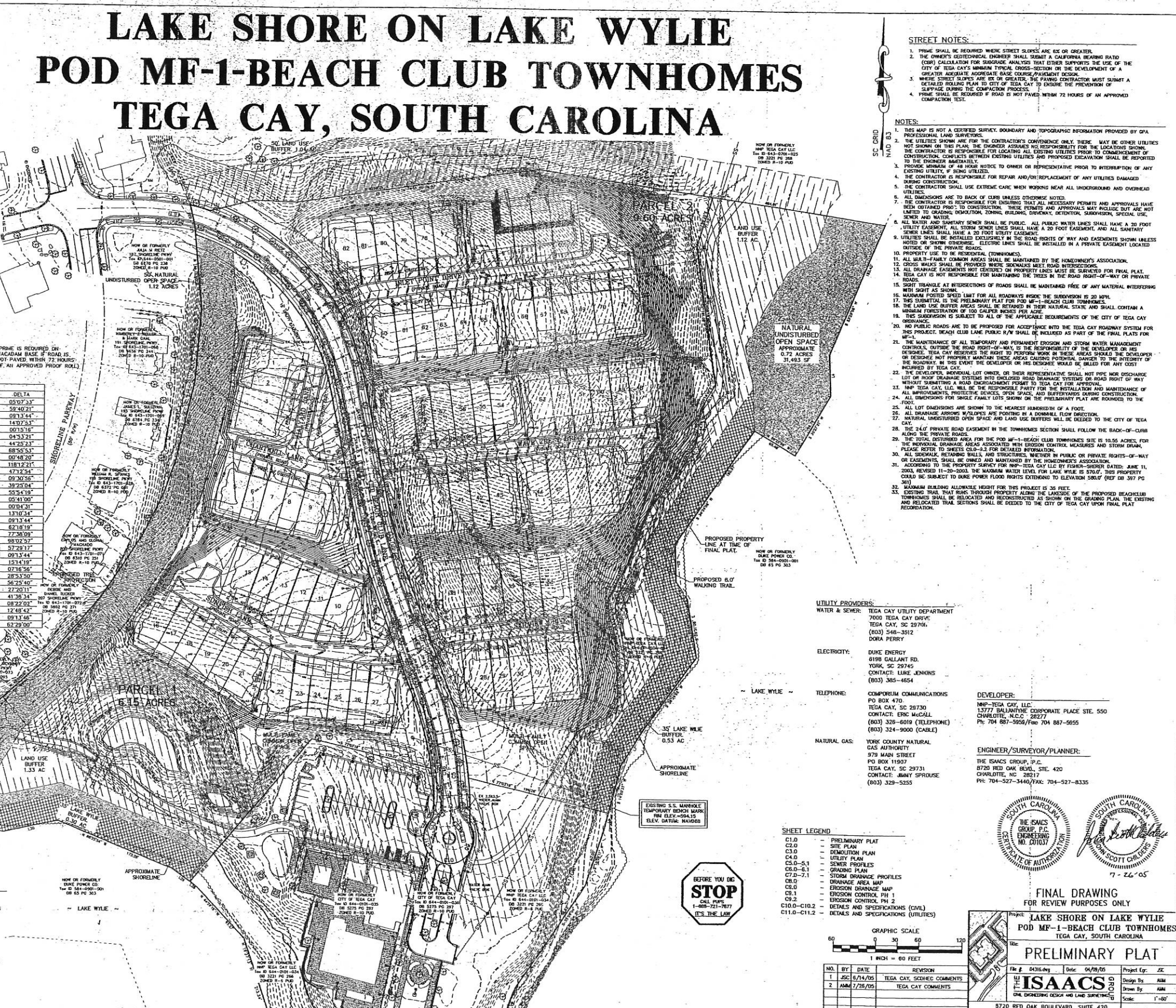
PARKING REQUIREMENTS: EACH SINGLE AND MULTI FAMILY UNIT WILL BE PROVIDED WITH 2 (2) P+T PARKING SPACES. PARKING SPACE REQUIREMENT CAN BE SATISFIED WITHIN PROPOSED GARAGES.

PAVEMENT NOTES:

1. ALL FILL USED FOR RAISING SITE GRADES OR FOR REPLACEMENT OF MATERIAL THAT IS UNSATISFACTORY SHOULD BE UNIFORMELY COMPACTED IN 4" LIFTS TO AT LEAST 98 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D 698). IN ADDITION, AT LEAST THE UPPER 18 INCHES OF SURFACE FILL BENEATH PAVEMENTS AND FLOOR SLABS AND 24 INCHES BELOW PAVEMENTS SUBJECT TO TRUCK TRAFFIC SHOULD BE COMPACTED TO 98 PERCENT OF THE SAME SPECIFICATION. THE ABOVE COMPACTED SPECIFICATIONS ARE TO BE MAINTAINED ONLY. SPECIFIC PAVEMENT OR FLOOR SLAB DESIGNS MAY REQUIRE A DIFFERENT COMPACTATION STANDARD. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SITE WORK MEASUREMENTS AND RECORDS IN ACCORDANCE WITH THE RECOMMENDATIONS PROVIDED BY A QUALIFIED GEOTECHNICAL ENGINEER DURING CONSTRUCTION.

2. PAVEMENT SPECIFICATIONS LISTED ABOVE ARE RECOMMENDATIONS ONLY AS PROVIDED BY THE OWNER. SPECIFICATIONS AND ARE SUBJECT TO CHANGE BASED UPON PROJECT CONDITIONS OR RECOMMENDATIONS CONTAINED WITHIN THE SOILS REPORT. PRIOR TO COMMENCEMENT OF WORK, THE OWNER OR CONTRACTOR SHOULD HAVE A GEOTECHNICAL ENGINEER TO PROVIDE A PAVEMENT DESIGN BASED UPON ANTICIPATED VEHICULAR TRAFFIC AND PROJECT SOIL CONDITIONS. THE OWNER ASSUMES NO RESPONSIBILITY FOR THE ADEQUACY OF THE PAVEMENT SPECIFICATION PROVIDED ABOVE.

3. ALL CURB AND GUTTER SLOPES FOR ROADS, AND MAGAZIN BASE MUST BE PROOF ROLLED AND APPROVED BY THE ISACS GROUP OR GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF ANY MATERIAL IN THE SUBJECT AREA TO BE PROOF ROLLED. CONTACT THE ISACS GROUP TO SCHEDULE ALL PROOF ROLLS A MINIMUM OF 48 HOURS PRIOR TO PROOF ROLLS. THERE ARE NO SOFT RIGHTS OF WAY ON THIS SITE.



- STREET NOTES:**
1. PRIME SHALL BE REQUIRED WHERE STREET SLOPES ARE 6% OR GREATER.
 2. THE OWNER'S GEOTECHNICAL ENGINEER SHALL SUBMIT A CALIFORNIA BEARING RATIO (CBR) CALCULATION FOR SUBGRADE ANALYSIS THAT EITHER SUPPORTS THE USE OF THE CITY OF TEGA CAY'S MINIMUM TYPICAL CROSS-SECTION OR THE DEVELOPMENT OF A GREATER ADEQUATE ADEQUATE BASE COURSE/PAVEMENT DESIGN.
 3. WHERE STREET SLOPES ARE 6% OR GREATER, THE PAVING CONTRACTOR MUST SUBMIT A DETAILED ROLLING PLAN TO CITY OF TEGA CAY TO ENSURE THE PREVENTION OF SURFACE DURING THE CONSTRUCTION PROCESS.
 4. PRIME SHALL BE REQUIRED IF ROAD IS NOT PAVED WITHIN 72 HOURS OF AN APPROVED COMPACTION TEST.

- NOTES:**
1. THIS MAP IS NOT A CERTIFIED SURVEY. BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY CPA PROFESSIONAL LAND SURVEYORS.
 2. THE UTILITIES SHOWN ARE FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THIS PLAN. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATION SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONFLICTS BETWEEN EXISTING UTILITIES AND PROPOSED EXCAVATION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
 3. PROTECT MINIMUM OF 48 HOURS NOTICE TO OWNER OR REPRESENTATIVE PRIOR TO INTERRUPTION OF ANY EXISTING UTILITY, IF BEING UTILIZED.
 4. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ANY UTILITIES DAMAGED DURING CONSTRUCTION.
 5. THE CONTRACTOR SHALL USE EXTREME CARE WHEN WORKING NEAR ALL UNDERGROUND AND OVERHEAD UTILITIES.
 6. ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
 7. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL NECESSARY PERMITS AND APPROVALS HAVE BEEN OBTAINED PRIOR TO CONSTRUCTION. THESE PERMITS AND APPROVALS MUST INCLUDE, BUT ARE NOT LIMITED TO GRADING, ZONING, BUILDING, DRIVEWAY, DETENTION, SUBDIVISION, SPECIAL USE, SEWER AND WATER.
 8. ALL WATER AND SANITARY SEWER SHALL BE PUBLIC. ALL PUBLIC WATER LINES SHALL HAVE A 30 FOOT UTILITY EASEMENT. ALL STORM SEWER LINES SHALL HAVE A 20 FOOT EASEMENT, AND ALL SANITARY UTILITY LINES SHALL HAVE A 20 FOOT UTILITY EASEMENT.
 9. UTILITIES SHALL BE INSTALLED EXCLUSIVELY IN THE ROAD RIGHTS OF WAY AND EASEMENTS UNLESS NOTED OR SHOWN OTHERWISE. ELECTRIC LINES SHALL BE INSTALLED IN A PRIVATE EASEMENT LOCATED OUTSIDE OF THE PRIVATE ROADS.
 10. PROPERTY USE TO BE RESIDENTIAL (TOWNHOMES).
 11. ALL MULTI-FAMILY COMMON AREAS SHALL BE MAINTAINED BY THE HOMEOWNER'S ASSOCIATION.
 12. CROSS WALKS SHALL BE PROVIDED WHERE SIDEWALKS MEET ROAD INTERSECTIONS.
 13. ALL DRAINAGE EASEMENTS NOT IDENTIFIED ON PROPERTY LINES MUST BE SURVEYED FOR FINAL PLAT.
 14. TEGA CAY IS NOT RESPONSIBLE FOR MAINTAINING THE TREES IN THE ROAD RIGHT-OF-WAY OR PRIVATE ROADS.
 15. RIGHT TRIANGLE AT INTERSECTIONS OF ROADS SHALL BE MAINTAINED FREE OF ANY MATERIAL INTERFERING WITH SIGHT AS SHOWN.
 16. MAXIMUM POSTED SPEED LIMIT FOR ALL ROADWAYS INSIDE THE SUBDIVISION IS 20 MPH.
 17. THIS SUBDIVISION IS THE PRELIMINARY PLAT FOR POD MF-1-BEACH CLUB TOWNHOMES.
 18. THE LAND USE BUFFER AREAS SHALL BE RETAINED IN THEIR NATURAL STATE AND SHALL CONTAIN A MINIMUM FORESTRY OF 100 CALIPER TREES PER ACRE.
 19. THIS SUBDIVISION IS SUBJECT TO ALL OF THE APPLICABLE REQUIREMENTS OF THE CITY OF TEGA CAY ORDINANCE.
 20. NO PUBLIC ROADS ARE TO BE PROVIDED FOR ACCEPTANCE INTO THE TEGA CAY ROADWAY SYSTEM FOR THIS PROJECT. BEACH CLUB LAKE POND S/W SHALL BE INCLUDED AS PART OF THE FINAL PLAT FOR MF-1.
 21. THE MAINTENANCE OF ALL TEMPORARY AND PERMANENT EROSION AND STORM WATER MANAGEMENT CONTROLS, OUTSIDE THE ROAD RIGHT-OF-WAY IS THE RESPONSIBILITY OF THE DEVELOPER OR HIS DESIGNER. TEGA CAY RESERVES THE RIGHT TO PERFORM WORK IN THESE AREAS SHOULD THE DEVELOPER OR DESIGNER NOT PROPERLY MAINTAIN THESE AREAS CAUSING POTENTIAL DAMAGE TO THE INTEGRITY OF THE ROADWAY. IN THIS EVENT THE DEVELOPER OR HIS DESIGNER, SHOULD BE HELD FOR ANY COST INCURRED BY TEGA CAY.
 22. THE DEVELOPER, INDIVIDUAL LOT OWNER, OR THEIR REPRESENTATIVE SHALL NOT PIPE NOR DISCHARGE LOT OR ROOF DRAINAGE SYSTEMS INTO ENCLOSED ROAD DRAINAGE SYSTEM OR ROAD RIGHT OF WAY.
 23. INP TEGA CAY, LLC, WILL BE THE RESPONSIBLE PARTY FOR THE INSTALLATION AND MAINTENANCE OF ALL IMPROVEMENTS, PROTECTIVE DEVICES, OPEN SPACE, AND BUFFERWAYS DURING CONSTRUCTION.
 24. ALL ENGINEERS FOR SINGLE FAMILY LOTS SHOWN ON THE PRELIMINARY PLAT ARE ROUNDED TO THE FOOT.
 25. ALL LOT DIMENSIONS ARE SHOWN TO THE NEAREST HUNDRETH OF A FOOT.
 26. ALL DRAINAGE ARROWS W/SLICES ARE POINTING IN A DOWNHILL FLOW DIRECTION.
 27. NATURAL UNDISTURBED OPEN SPACE AND LAND USE BUFFERWAYS WILL BE DEDED TO THE CITY OF TEGA CAY.
 28. THE 4-FEET PRIVATE ROAD EASEMENT IN THE TOWNHOMES SECTION SHALL FOLLOW THE BACK-OF-CURB ALONG THE PRIVATE ROADS.
 29. THE TOTAL DISTURBED AREA FOR THE POD MF-1-BEACH CLUB TOWNHOMES SITE IS 10.66 ACRES. FOR THE INDIVIDUAL GARAGE AREAS ASSOCIATED WITH EROSION CONTROL, MEASURED AND STORM DRAIN. PLEASE REFER TO SHEETS C10-1 TO C10-2 FOR DETAILED INFORMATION.
 30. SIDEWALK, RETAINING WALLS, AND STRUCTURES, WHETHER BY PUBLIC OR PRIVATE RIGHTS-OF-WAY OR EASEMENTS, SHALL BE OWNED AND MAINTAINED BY THE HOMEOWNER'S ASSOCIATION.
 31. ACCORDING TO THE PROPERTY SURVEY FOR INP-TEGA CAY LLC BY FISHER-SHERER DATED: JUNE 11, 2004, REVISION 11-20-2004, THE MAXIMUM WATER LEVEL FOR LAKE WYLIE IS 574.07. THIS PROPERTY COULD BE SUBJECT TO BULK POWER FLOOD RISKS EXTENDING TO ELEVATION 560.07 (REF SEE 397 PG 361).
 32. MAXIMUM BUILDING ALLOWABLE HEIGHT FOR THIS PROJECT IS 35 FEET.
 33. EXISTING TRAIL THAT RUNS THROUGH PROPERTY ALONG THE LAKE SHORE OF THE PROPOSED BEACH CLUB TOWNHOMES SHALL BE RELOCATED AND RECONSTRUCTED AS SHOWN ON THE GRADING PLAN. THE EXISTING AND RELOCATED TRAIL SECTIONS SHALL BE DEDED TO THE CITY OF TEGA CAY UPON FINAL PLAT RECORDATION.

UTILITY PROVIDERS:

WATER & SEWER: TEGA CAY UTILITY DEPARTMENT
7000 TEGA CAY DRIVE
TEGA CAY, SC 29716
(803) 548-3512
DORA PERRY

ELECTRICITY: DUKE ENERGY
6198 GALLANT RD.
YORK, SC 29745
CONTACT: LINDA EDWARDS
(803) 385-4654

TELEPHONE: COMMERCE COMMUNICATIONS
PO BOX 470
TEGA CAY, SC 29730
CONTACT: ERIC McCALL
(803) 329-6019 (TELEPHONE)
(803) 324-9000 (CABLE)

NATURAL GAS: YORK COUNTY NATURAL GAS AUTHORITY
979 MAIN STREET
PO BOX 11907
TEGA CAY, SC 29731
CONTACT: ANNA SPOUSE
(803) 329-5255

DEVELOPER:
INP-TEGA CAY, LLC
15777 BALLANTYNE CORPORATE PLACE STE. 550
CHARLOTTE, N.C. 28277
PH: 704 887-5956/FAX: 704 887-5655

ENGINEER/SURVEYOR/PLANNER:
THE ISACS GROUP, P.C.
8720 RED OAK BLVD., STE. 420
CHARLOTTE, NC 28217
PH: 704-527-3440/FAX: 704-527-8335

SHEET LEGEND

- C1.0 - PRELIMINARY PLAT
- C2.0 - SITE PLAN
- C3.0 - DEMOLITION PLAN
- C4.0 - UTILITY PLAN
- C5.0-5.1 - SEWER PROFILES
- C6.0-6.1 - GRADING PLAN
- C7.0-7.1 - STORM DRAINAGE PROFILES
- C8.0 - DRAINAGE AREA MAP
- C9.0 - EROSION DRAINAGE MAP
- C10.0 - EROSION CONTROL PH 1
- C10.0 - EROSION CONTROL PH 2
- C11.0 - C11.2 - DETAILS AND SPECIFICATIONS (CHL)
- C11.0 - C11.2 - DETAILS AND SPECIFICATIONS (UTILITIES)

GRAPHIC SCALE
1 INCH = 60 FEET

FINAL DRAWING FOR REVIEW PURPOSES ONLY

**LAKE SHORE ON LAKE WYLIE
POD MF-1-BEACH CLUB TOWNHOMES
TEGA CAY, SOUTH CAROLINA**

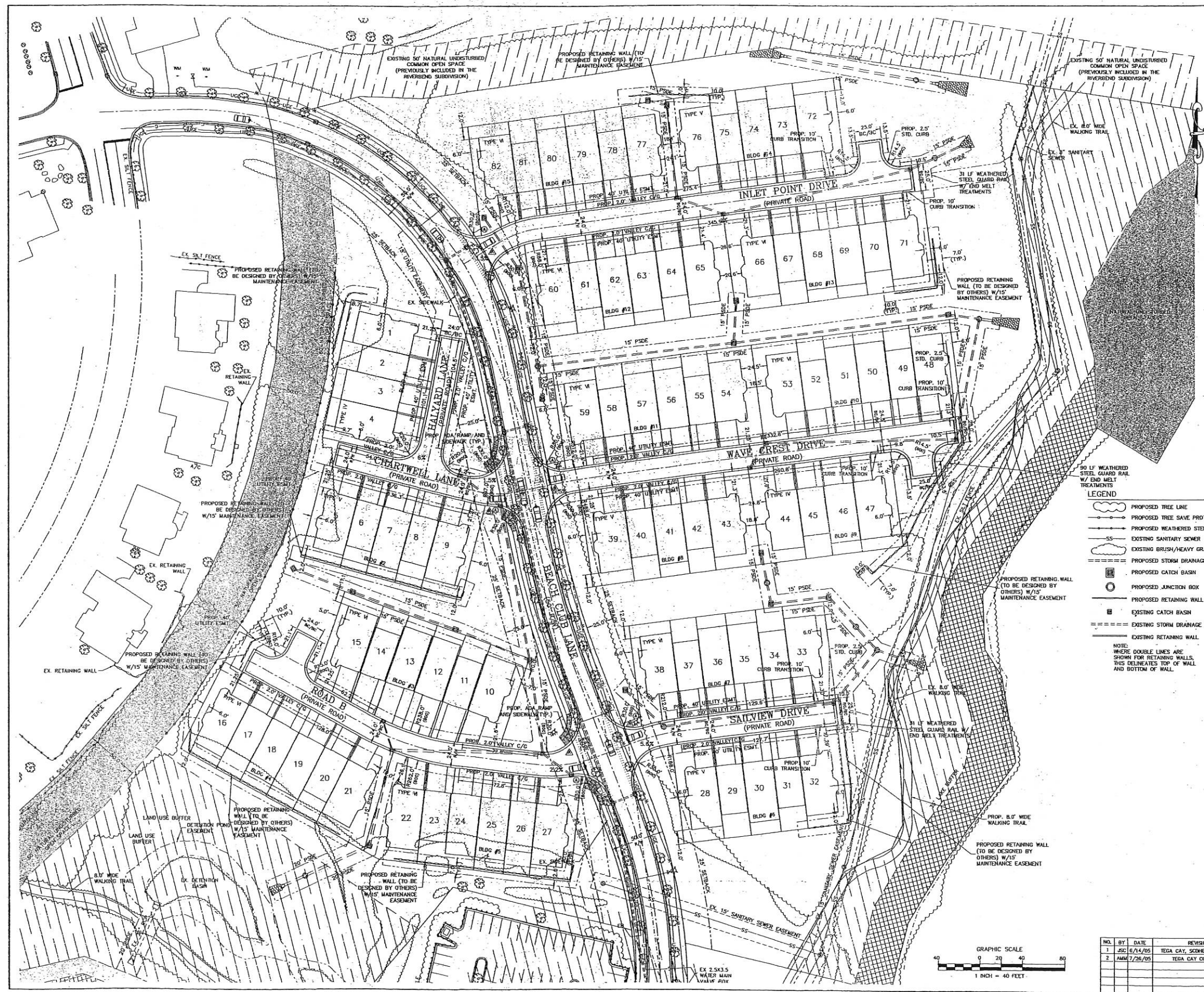
PRELIMINARY PLAT

File # 0416.dwg Date: 04/09/05 Project: JSC

ISAACS
ONE ENGINEERING DESIGN AND LAND SURVEYING
8720 RED OAK BOULEVARD, SUITE 420
CHARLOTTE, N.C. 28217
Scale: 1"=60'

C1.0

APPROVED FOR CONSTRUCTION



PAVING SPECIFICATIONS
 PRIVATE PAVEMENT SECTION [MULTI-FAMILY - ROADS/PRIVATE ROADS]
 1 1/2" BITUMINOUS CONCRETE SURFACE COURSE, 1-2
 4" BITUMINOUS CONCRETE BASE COURSE, TYPE HB, OR
 6" COMPACTED AGGREGATE BASE COURSE

PAVEMENT NOTES:

1. ALL FILL USED FOR RAISING SITE GRADES OR FOR REPLACEMENT OF MATERIAL THAT IS UNDERCUT SHOULD BE UNIFORMLY COMPACTED IN 10" LIFTS TO AT LEAST 98 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D 698). IN ADDITION, AT LEAST 18 INCHES OF SURFACE FILL BENEATH PAVEMENTS AND FLOOR SLABS AND 24 INCHES BELOW PAVEMENTS SUBJECT TO TRUCK TRAFFIC SHOULD BE COMPACTED TO 98 PERCENT OF THE STANDARD SPECIFICATION. THE ABOVE COMPACTED SPECIFICATION IS A RECOMMENDATION ONLY. SPECIFIC PAVEMENT OR FLOOR SLAB DESIGNS MAY REQUIRE A DIFFERENT COMPACTED STANDARD. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SITE WORK MEASURES IN STRICT ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS IN THE PROJECT SOILS REPORT AND/OR ON-SITE RECOMMENDATIONS PROVIDED BY A QUALIFIED GEOTECHNICAL ENGINEER DURING CONSTRUCTION.
2. PAVEMENT SPECIFICATIONS LISTED ABOVE ARE RECOMMENDATIONS ONLY AS PROVIDED BY THE OWNER SPECIFICATIONS AND ARE SUBJECT TO CHANGE BASED UPON PROJECT CONDITIONS OR RECOMMENDATIONS CONTAINED WITHIN THE SOILS REPORT. PRIOR TO COMMENCEMENT OF PAVING, THE OWNER OR CONTRACTOR SHOULD HIRE A GEOTECHNICAL ENGINEER TO PROVIDE A PAVEMENT DESIGN BASED UPON ANTICIPATED VEHICULAR TRAFFIC AND PROJECT SOIL CONDITIONS. THE ISAACS GROUP ASSUMES NO RESPONSIBILITY FOR THE ADEQUACY OF THE PAVEMENT SPECIFICATION PROVIDED ABOVE.
3. ALL CURB AND GUTTER, SIDEWALK, SUBGRADE FOR ROADS, AND MACADAM BASE MUST BE PROOF ROLLED AND APPROVED BY THE ISAACS GROUP OR GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF ANY MATERIAL IN THE SUBJECT AREA TO BE PROOF ROLLED. CONTACT THE ISAACS GROUP TO SCHEDULE ALL PROOF ROLLS A MINIMUM OF 48 HOURS PRIOR TO PROOF ROLLS. THERE ARE NO SCOOT RIGHTS OF WAY ON THIS SITE.

NOTES:

1. THIS MAP IS NOT A CERTIFIED SURVEY, BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY CPA PROFESSIONAL LAND SURVEYORS.
2. THE UTILITIES SHOWN ARE FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THIS PLAN. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONFLICTS BETWEEN EXISTING UTILITIES AND PROPOSED EXCAVATION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
3. PROVIDE MINIMUM OF 48 HOUR NOTICE TO OWNER OR REPRESENTATIVE PRIOR TO INTERRUPTION OF ANY EXISTING UTILITY, IF BEING UTILIZED.
4. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ANY UTILITIES DAMAGED DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL USE EXTREME CARE WHEN WORKING NEAR ALL UNDERGROUND AND OVERHEAD UTILITIES.
6. ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
7. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL NECESSARY PERMITS AND APPROVALS HAVE BEEN OBTAINED PRIOR TO CONSTRUCTION. THESE PERMITS AND APPROVALS MAY INCLUDE, BUT ARE NOT LIMITED TO GRADING, DEMOLITION, ZONING, BUILDING, DRIVEWAY, DETENTION, SUBDIVISION, SPECIAL USE, SEWER AND WATER.
8. NO GRADING OR CLEARING SHALL OCCUR IN ANY PROPERTY DESIGNATED AS NATURAL UNDISTURBED OPEN SPACE.

LEGEND

- PROPOSED TREE LINE
- PROPOSED TREE SAVE PROTECTION FENCE
- PROPOSED WEATHERED STEEL GUARDRAIL
- EXISTING SANITARY SEWER
- EXISTING BRUSH/HEAVY GRASS AREA
- PROPOSED STORM DRAINAGE PIPE
- PROPOSED CATCH BASIN
- PROPOSED JUNCTION BOX
- PROPOSED RETAINING WALL
- EXISTING CATCH BASIN
- EXISTING STORM DRAINAGE PIPE
- EXISTING RETAINING WALL

NOTE: WHERE DOUBLE LINES ARE SHOWN FOR RETAINING WALLS, THIS DELINEATES TOP OF WALL AND BOTTOM OF WALL.

SIGN SCHEDULE

- STOP SIGN (30"x30") (W/TCO #1-1)

PAVEMENT MARKING SCHEDULE

- 12" WIDE STOP BAR PAINTED WHITE



7-26-05
FINAL DRAWING
 FOR REVIEW PURPOSES ONLY

Project: LAKE SHORE ON LAKE WYLIE
 POD MF-1-BEACH CLUB TOWNHOMES
 TEGA CAY, SOUTH CAROLINA

SITE PLAN

NO.	BY	DATE	REVISION
1	JSC	6/14/05	TEGA CAY, SIGNED COMMENTS
2	AMM	7/26/05	TEGA CAY COMMENTS

Project Egr: JSC
 Drawn By: AMM
 Scale: 1"=60'
 8720 RED OAK BOULEVARD, SUITE 420
 CHARLOTTE, N.C. 28217
 PHONE (704) 527-3440 FAX (704) 527-8335

ISAACS
 CIVIL ENGINEERING DESIGN AND LAND SURVEYING

10/26/05/06/07/08/09/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82



- NOTES**
- THIS MAP IS NOT A CERTIFIED SURVEY. BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY G.P.A. PROFESSIONAL LAND SURVEYORS.
 - THE UTILITIES SHOWN ARE FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THIS PLAN. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONFLICTS BETWEEN EXISTING UTILITIES AND PROPOSED EXCAVATION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
 - PROVIDE MINIMUM OF 48 HOUR NOTICE TO OWNER OR REPRESENTATIVE PRIOR TO INTERSECTION OF ANY EXISTING UTILITY, IF BEING UTILIZED.
 - THE CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ANY UTILITIES DAMAGED DURING CONSTRUCTION. CONTRACTOR IS TO MAINTAIN UTILITY SERVICES, INCLUDING WATER, SANITARY SEWER, STORM SEWER, NATURAL GAS, ELECTRIC AND TELEPHONE AT ALL TIMES DURING CONSTRUCTION.
 - CONTRACTOR IS TO KEEP ALL PARKING AREAS, ALLEYS, AND STREETS ADJACENT TO THE CONSTRUCTION SITE CLEAN AT ALL TIMES DURING CONSTRUCTION.
 - CONTRACTOR SHALL ADJUST THE ELEVATION OF THE BRICKS AND COVERS OF ALL EXISTING UTILITIES WHICH ARE TO REMAIN AND ARE TO MATCH PROPOSED GRADES. CONTRACTOR SHALL ALSO MATCH AT GRADE UTILITIES TO FINAL PROJECT GRADES UNLESS OTHERWISE NOTED.
 - ALL SIGNS WITHIN THE LIMITS OF CONSTRUCTION MAY BE REMOVED AS NEEDED FOR THE CONSTRUCTION AND REPLACED AS SOON AS POSSIBLE. TEMPORARY PRESTAMPED SIGNS MAY BE NEEDED/REQUIRED DURING CONSTRUCTION.
 - SIGNING OF THE CONSTRUCTION AREA SHALL COMPLY WITH THE CURRENT "S.C. DOT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS". ALL SIGNAGE ON UNIFORM TRAFFIC CONTROL DEVICES WHICH ARE OWNED AND MAINTAINED BY THE S.C. DOT ARE TO REMAIN THROUGHOUT THE DEMOLITION AND CONSTRUCTION PHASES. ALL SIGNS WHICH NEED TO BE REMOVED ARE TO BE RELOCATED IMMEDIATELY.
 - CONTRACTOR TO SET UP TEMPORARY SEDIMENT CONTROL MEASURES BEFORE WORK COMMENCES. ALL TRAPS & BASINS SHALL BE INSPECTED DAILY (MONDAY THROUGH FRIDAY) FOR EXCESSIVE SILT. CONTRACTOR SHALL REMOVE EXCESSIVE SILT FROM THE TRAPS IMMEDIATELY BEFORE CONSTRUCTION COMMENCES ON THAT DAY. MAINTENANCE SHALL CONTINUE THROUGH PROJECT COMPLETION.
 - CONTRACTOR SHALL MAINTAIN ALL AREAS DISTURBED DURING CONSTRUCTION. FINAL DRESSING, SEEDING & MULCHING SHALL BE IN ACCORDANCE TO THE CONTRACT SPECIFICATIONS.
 - CONTRACTOR SHALL USE EXTREME CARE WHEN WORKING NEAR ALL UNDERGROUND AND OVERHEAD UTILITIES.
 - HANDICAP SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH A.D.A. STANDARDS AT H/C PARKING SPACES SHOWN.
 - ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
 - THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS HAVE BEEN OBTAINED PRIOR TO CONSTRUCTION. THESE PERMITS AND APPROVALS MAY INCLUDE BUT ARE NOT LIMITED TO GRADING, DEMOLITION, ZONING, BUILDING, DRIVEWAY, DETENTION, SUBSTITUTION, SPECIAL USE, SEWER AND WATER.

- SEWER NOTES**
- ALL 8" PVC SANITARY SEWER IS TO BE 35 PVC SANITARY SEWER PIPE UNLESS NOTED OTHERWISE.
 - STATIONS SHOWN FOR SANITARY SEWER MANHOLE LOCATIONS IN ARE SEWER PROFILE.
 - ALL SANITARY SEWER SERVICES SHALL BE SCHEDULE 40 PVC.
 - STONE BEDDING IS REQUIRED FOR ALL SIZE 35 PVC SEWER PIPE.
 - ALL SEWER SERVICES ARE TO BE LOCATED AS SHOWN ON THE PLAN AND AT LEAST 5 FEET FROM ANY WATER SERVICE.
 - ALL CLEAN OUTS ARE TO BE LOCATED ON THE HOUSE SIDE OF THE SIDEWALK WHERE APPLICABLE.
 - PIPE DEFLECTION AT EACH JOINT IS NOT TO EXCEED PIPE MANUFACTURER'S RECOMMENDATIONS. WHERE REQUIRED DEFLECTION EXCEEDS THE RECOMMENDATIONS, MAKE THE DEFLECTION OVER MULTIPLE PIPE JOINTS TO MEET MANUFACTURER'S RECOMMENDATIONS.
 - CONTRACTOR SHALL NOTIFY TEGA CAY PUBLIC WORKS 24 HOURS PRIOR TO ANY SEWER TIES OR SEWER LINE RELOCATION.
 - SEWER LATERAL SERVICE LOCATIONS SHOULD BE MARKED WITH A "S" CUT INTO THE PROPOSED CURB.

- WATER NOTES**
- ALL NEW 4" OR LARGER WATER LINE SHALL BE C900 PC 150 PVC UNLESS NOTED OTHERWISE.
 - CONTRACTOR TO FIELD VERIFY SIZE AND TYPE OF EXISTING LINES AT THE POINTS PRIOR TO COMMENCING CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY IF DISCREPANCIES OCCUR.
 - ALL SERVICES ARE TO BE LOCATED ON THE DOWNSTREAM SIDE OF THE LOT 8.33 FEET OFF LOT LINES 5.00 FEET FROM SEWER LATERAL UNLESS OTHERWISE INDICATED.
 - ALL SERVICES ARE TO BE LOCATED ON THE HOUSE SIDE OF SIDEWALKS WHERE APPLICABLE.
 - CONTRACTOR TO INSTALL 14 GAUGE SOLID COPPER TRACER WIRE FOR ALL PVC WATERLINES.
 - ALL DUCTILE IRON WATER PIPE SHALL HAVE MECHANICAL JOINT FITTINGS.
 - CONTRACTOR SHALL USE DUCTILE IRON PIPE AT ALL CROSS CROSSINGS.
 - WATER LINE SHALL BE DUCTILE IRON AT ALL SEWER CROSSINGS.
 - STUB OUT ASSEMBLIES ARE TO EXTEND TO 10 FEET BEYOND END OF PAVEMENT UNLESS NOTED OR INDICATED OTHERWISE.
 - WATER FITTINGS FOR SERVICES TO HAVE A WORKING PRESSURE OF 200 PSI OR GREATER.
 - PIPE DEFLECTION AT EACH JOINT IS NOT TO EXCEED PIPE MANUFACTURER'S RECOMMENDATIONS. WHERE REQUIRED DEFLECTION EXCEEDS THE RECOMMENDATIONS, MAKE THE DEFLECTION OVER MULTIPLE PIPE JOINTS TO MEET MANUFACTURER'S RECOMMENDATIONS.
 - CONTRACTOR IS TO ENSURE THAT ALL AIR RELEASE VALVES ARE SET AT THE HIGHEST ELEVATION POINTS ON THE WATERLINE.
 - MAINTAIN 12" MINIMUM CLEARANCE BETWEEN WATER & STORM DRAIN PIPES. ALL WATERLINES CROSSING STORM MUST HAVE A 20' LENGTH OF DI WATER PIPE CENTERED AT THE STORM DRAINAGE CROSSINGS.
 - CONTRACTOR SHALL NOTIFY TEGA CAY AND SODOT 24 HOURS PRIOR TO ANY CONNECTIONS TO CITY WATERLINE ARE MADE. A TEGA CAY REPRESENTATIVE SHALL BE PRESENT WHEN TAPPING TO EXISTING WATER LINES.
 - ALL PROPOSED FIRE HYDRANTS MUST BE PAINTED WHITE.
 - WATER METER SERVICE LOCATIONS SHOULD BE MARKED WITH A "M" CUT INTO THE PROPOSED CURB.
 - WATER VALVE LOCATIONS SHOULD BE MARKED WITH A "V" CUT INTO THE PROPOSED CURB.

LEGEND

SS	EXISTING SANITARY SEWER LINE	SS	PROPOSED SANITARY SEWER LINE
W	EXISTING WATER LINE	W	PROPOSED WATER LINE
SD	EXISTING STORM DRAINAGE PIPE	SD	PROPOSED STORM DRAINAGE PIPE
CB	EXISTING CATCH BASIN	CB	PROPOSED CATCH BASIN
CS	EXISTING SAN. SEWER MH	CS	PROPOSED JUNCTION BOX
UP	EXISTING UTILITY POLE	UP	PROPOSED SANITARY SEWER MANHOLE
WV	EXISTING WATER VALVE	WV	PROPOSED 4" SEWER LATERAL
FD	EXISTING FIRE HYDRANT	FD	PROPOSED WATER VALVE
GL	EXISTING GAS LINE	FD	PROPOSED FIRE HYDRANT
UCE	EXISTING UNDERGROUND ELECTRIC		

UTILITY NOTE

THE CONTRACTOR SHALL PROVIDE SUBMITTAL DATA TO THE CITY FOR ALL MATERIALS TO BE USED TO CONSTRUCT THE UTILITY INFRASTRUCTURE. THE SUBMITTALS AT A MINIMUM SHALL INCLUDE PIPE, VALVES, FITTINGS, VAULTS, WATER SERVICE CONNECTION MATERIALS AND OTHER SPECIALTY ITEMS.



FINAL DRAWING
FOR REVIEW PURPOSES ONLY
LAKE SHORE ON LAKE WILHE
POD MP-1-BRACH CLUB TOWNHOMES
TEGA CAY, SOUTH CAROLINA

UTILITY PLAN

GRAPHIC SCALE
1 INCH = 40 FEET

NO.	BY	DATE	REVISION
1	JSC	6/14/05	TEGA CAY, SCHEM COMMENTS
2	AMM	7/26/05	TEGA CAY COMMENTS

Project No. 04/05/05
Project Eng. JSC
Design By AMM
Drawn By AMM
Scale: 1"=40'

ISAACS
CIVIL ENGINEERING DESIGN AND LAND SURVEYING

8720 RED OAK BOULEVARD, SUITE 420
CHARLOTTE, N.C. 28217
PHONE (704) 527-3440 FAX (704) 527-8335

C4.0

CAD/Checked: Comm/View: Cuy - Beach Club Townhomes 04/14/05, Utility: Richard Perdue, 7/26/2005 8:11:48 AM, mwhl, 11