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N	<p>DIVISION 1 - GENERAL</p> <p>1.1 All designs, construction, materials, and workmanship shall comply with the Virginia Uniform Statewide Building Code (VUSBC), 2005 edition (2003 IBC w/ Amendments), as a minimum level of construction detail and quality. All work included in the construction of this project shall comply with all applicable provisions of the code. By commencing construction, contractor acknowledges understanding of the VUSBC and agrees to incorporate all required elements, whether indicated within the documents or not.</p> <p>1.2 Contractor shall be responsible for all construction means, methods, techniques, sequences and procedures and for safety precautions and programs as they relate to the work of this project.</p> <p>1.3 Contractor shall be responsible for the design, engineering, permitting and erection of all temporary scaffolding, hoists, bracing, form work, sheeting, shoring and underpinning necessary to perform the work.</p> <p>1.4 Contractor shall coordinate and Owner shall pay for special inspections to be provided by an independent testing agency as defined in IBC section 1704. Inspection reports are to be submitted to the architect and building official as described in section 1704.1.2, for, but not limited to, the following materials and work:</p>					<p>DIVISION 3 - CONCRETE (cont.)</p> <p>3.12 Splices in welded wire fabric shall be located at points of minimum stress. (usually at midpoint between supports).</p> <p>3.13 Floor depressions and openings to be provided where equipment or floor finishes require them, whether or not indicated on structural drawings. It shall be the contractor's responsibility to coordinate this work with architectural and mechanical drawings and specifications and provide depressions and openings as required.</p> <p>3.14 Provide diamond shaped blockouts around all columns at slab on grade. Surround with ½" expansion joint fill with concrete after all adjacent panels have been poured, unless otherwise detailed.</p> <p>3.15 Where column and wall footings coincide, provide full reinforcement for both footings, with wall footing reinforcement continuous thru column footing. Joints between wall footings and column footings not permitted.</p> <p>3.16 Unless otherwise required, provide ¾" chamfer on all concrete corners exposed to view.</p>					<p>DIVISION 6 - WOOD</p> <p>6.1 Wood construction shall conform to the requirements of the American Institute of Timber Construction and the National Forest Products Association (National Design Specification for Wood Construction).</p> <p>6.2 Unless otherwise noted, all nailing shall conform to the "Fastening Schedule" table 2304.9.1 of the IBC.</p> <p>6.3 Contractor to provide wall blocking for all shelving, equipment, grab bars, mop holders, fixtures, etc. For firm support. Coordinate with all contractor, owner and equipment supplier requirements prior to enclosing framing.</p> <p>6.4 Wood treatment: pressure treat all sills and plates and any other wood in contact with masonry or ground, and as shown elsewhere on drawings. Pressure treatment shall comply with AWPB standards c2 and lp-22.</p>					<p>DIVISION 9 - FINISHES</p> <p>9.1 All interior finishes shall have a maximum flamespread rating of ASTM Class C (76-200) in rooms and enclosed spaces and Class B (25-75) in exit access corridors and other exitways (IBC table 903.5). Interior floor finishes to meet the requirements as outlined in IBC section 904.0.</p> <p>9.2 Owner shall provide additional documents related to interior materials and finishes.</p> <p>9.3 Gypsum board and wood assemblies shall be secured to studs at spacing indicated by gypsum board manufacturer with fasteners specified by same. Provide sheet steel zinc coated by hot dip process trim accessories complying with ASTM C1047. Trim includes corner bead, ic bead, screw heads, and irregularities. Sand smooth.</p> <p>9.4 Exterior sheathing shall be manufacturer's standard gypsum sheathing, complying with ASTM C79/C 1396, with manufacturer's standard edges, moisture resistant core, and water-repellent exterior surface. Maximum flame spread of 25 or less. Thickness as indicated in drawings.</p> <p>9.5 All gypsum board shall be 5/8 inch thick, unless noted otherwise. Provide moisture resistant board in exterior soffits, bathrooms, around open tubs, and in laundry and janitor rooms.</p> <p>9.6 Exterior paint: utilizes alkyl enamel semi-gloss finish paint by Benjamin Moore, Porter Paint, or equal. Consult owner for color selection.</p> <p>Interior paint: shall consist of (1) coat latex-based undercoat/primer/sealer for interior applications, and (2) coats factory-formulated acrylic-latex finish for interior application, by Benjamin Moore, Porter Paint, or equal. Consult owner for color selection. Use finish schedule for locations of flat or semi-gloss.</p> <p>9.7 Acoustical wall panels shall be by Tectum Inc. or equal, 1" minimum thickness, NRC of 0.40, "White" color, maximum flame spread of 25 or less.</p> <p>9.7 Acoustical Panel Ceiling to be manufactured by Armstrong (or equal), to be square lay-in, white, 24"x48"x5/8"; see drawings for different finish requirements.</p> <p>9.9 Ceramic Tile: 12"x12"x1/4", ADA compliant, to be selected by General Contractor and submitted to Owner for approval prior to construction. General Contractor shall be responsible for depressing of floor slab as required to maintain finish floor height.</p> <p>9.10 Carpet: Commercial grade, ADA compliant, to be selected by General Contractor and submitted to Owner for approval prior to construction.</p>					<p>DIVISION 10 - SPECIALTIES</p> <p>DIVISION 11 - EQUIPMENT</p> <p>DIVISION 12 - FURNISHINGS</p> <p>12.1 Tenant work (equipment, displays, etc) to be designed by others under separate contract.</p> <p>DIVISION 13 - SPECIAL CONSTRUCTION</p> <p>13.1 Metal Building Systems: Building frame and roof are to be designed by manufacturer under supervision of a professional engineer licensed in the Commonwealth of Virginia. Provide design calculations if required by County or Architect. Provide foundation design reactions to Architect for foundation design. Submit three copies of complete shop drawings for review and approval by General Contractor and Architect. Metal building design engineer shall design structure to accommodate all required or noted deflection criteria and imposed loads transferred to building frame from non-metal building components. Work shall be warranted with a 20 year roof. Complete metal building package shall include all components required to complete the building envelope, including, but not limited to: metal framing components; wall, roof & liner panels; roof penetration curbs; exterior wall louvers & fans; doors, windows & frames; and all associated flashings and anchoring devices required for complete installation of all components. All components to be installed per manufacturer's standard details, fit and sealed to form a weathertight building envelope.</p> <p>DIVISION 14 - CONVEYING SYSTEMS</p> <p>DIVISION 15 - MECHANICAL</p> <p>15.1 Contractor shall provide all mechanical and plumbing design and engineering drawings for securing required sub-permits. Engineering designs shall be submitted to Owner for review and approval prior to construction. Contractor shall base his bid on the supplied information, and shall also include any additional details, equipment, systems or materials required to complete the building envelope, including, but not limited to: metal framing components; wall, roof & liner panels; roof penetration curbs; exterior wall louvers & fans; doors, windows & frames; and all associated flashings and anchoring devices required for complete installation of all components. All components to be installed per manufacturer's standard details, fit and sealed to form a weathertight building envelope.</p> <p>15.2 Mechanical systems shall be designed for minimum 68°F heating at 0°F outdoor ambient temperature, utilizing ceiling mounted gas-fired unit heaters, number and spacing as required to heat space as specified. No mechanical cooling to be provided.</p> <p>15.3 All mechanical and plumbing designs, construction, materials and workmanship shall comply with all provisions of the 2003 edition of the "International Plumbing Code (IPC)", and the 2003 edition of the "International Mechanical Code (IMC)", as a minimum level of construction detail and quality.</p> <p>15.4 Provide ventilation fans to outside for all toilets and janitor rooms. Operation to activate when light is switched. Provide ventilation to all other spaces as required in IBC 1203.4.1, and all corresponding provisions of 2003 IMC.</p> <p>15.5 Hot water at taps shall be maintained with a range of 105-120 degrees fahrenheit.</p> <p>15.6 Top of plumbing pipes must be at least 12" below bottom of wall footings or above top of footings. Otherwise footings must be lowered below pipe invert. Pipes shall not pass through footings.</p> <p>15.7 Provide cut sheets of all proposed mechanical and plumbing system components with bid.</p> <p>15.8 Insulate all above grade water supply piping with 1/2" fiberglass pipe covering.</p> <p>15.9 Pressure test all water lines with 100 psi for leaks, and gravity test all sanitary lines with ten foot (10'0") standing head (or as directed by the local building official). A two (2) year warranty is required on all materials, labor and fixtures.</p> <p>15.10 Vacuum for interior drain line shall be 4" pipe with cast bronze housing and covers.</p> <p>15.11 Cleanout breakers are required at all hose bibbs and any outlet or connection subject to backflow.</p> <p>15.12 Provide shut-off valve at each fixture and equipment connection for future service and removal. Provide drain valve at low point of water system to allow for draining system.</p> <p>15.13 Plumbing fixtures: see fixture schedule.</p> <p>15.14 Hot water lines and exposed drain lines are to be insulated in accordance with ADA requirements.</p> <p>15.15 All handicap controls shall comply with IBC 1109.13.</p>					<p>DIVISION 16 - ELECTRICAL</p> <p>16.1 Electrical contractor to provide all systems, equipment, materials and labor to install a complete electrical system for project. Contractor shall base his bid on the supplied information, and shall also include any additional details, equipment, systems or materials required to deliver a complete and finished product to the Owner, or reasonably and normally included in a completed project of similar scope, in compliance with all laws, codes and ordinances. Coordinate with Owner prior to bid to verify lighting and power requirements. Provide circuit panels, outlets, switches and disconnect boxes as directed by Owner. Provide cut-sheets for all proposed lighting to Owner for review and approval prior to construction.</p> <p>16.2 All electrical designs, construction, materials and workmanship shall comply with all provisions of the 2003 IBC, and the 2002 National Electric Code (NEC), as a minimum level of construction detail and quality.</p> <p>16.3 See exterior lighting plan by others for wall-mounted fixtures & heights.</p> <p>16.4 All recessed lighting shall be fluorescent type.</p> <p>16.5 Provide exit signs/lights in accordance with IBC 1110.5. Provide emergency egress lights in accordance with IBC 1006.3, 2702.2.3, and 2702.2.4.</p> <p>16.6 See site plan for any additional required site lighting not noted on architectural drawings.</p>					<p>1028 Corporate Circle Roanoke, Virginia 24018 Phone: 540/772-9580 Fax: 540/772-9550</p> <p>501 Branchway Road Richmond, Virginia 23236 Phone: 804/794-0271 Fax: 804/794-2635</p> <p>880 Technology Park Drive Suite 202 Glen Allen, Virginia 23059 Phone: 804/553-0132 Fax: 804/553-0133</p> <p>1561 Commerce Road Suite 401 Verona, Virginia 24482 Phone: 540/248-3220 Fax: 540/248-3221</p> <p>NEW DINING HALL FOR</p> <p>CLAYTOR LAKE AQUATICS BASE</p> <p>PULASKI, VIRGINIA</p> <p>DRAWN BY <u>RWP/ARW</u> DESIGNED BY <u>BDM/ARW</u> CHECKED BY _____ DATE <u>11/10/06</u></p> <p>REVISIONS</p> <p>△ 01/12/07</p> <p>SCALE <u>AS NOTED</u> SHEET NO. T1.2 CONSTRUCTION NOTES JOB NO. B0600007.00</p>				
M	<p>A) Prefabricated structural elements of wood, steel and/or concrete B) Steel construction (1704.3) C) Concrete construction (1704.4) D) Masonry construction (1704.5) E) Wood construction (1704.6) F) Soils and prepared fill (1704.7) G) Pile foundations (1704.8) H) Pier foundations (1704.9) I) Wall panels and veneers (1704.10) J) Sprayed fire-resistant materials (1704.11) K) Exterior insulation and finish systems (EIFS) (1704.12) L) Special Cases (1704.13) M) Smoke Control (1704.14)</p>					<p>DIVISION 4 - MASONRY</p> <p>4.1 All concrete masonry construction shall conform to the provisions of the building code requirements for masonry structures (ACI-530-02/ASCE 6-02) and Specifications for Masonry Structures (ACI 530-1-02/ASCE 6-02).</p> <p>4.2 All masonry shall be laid in running bond unless otherwise noted on the drawings. Build all masonry level, square, plumb and true. Provide standard 9 gage galvanized steel truss type horizontal joint reinforcing at 16" o/c for masonry walls greater than 4" thick, see drawings for vertical reinforcement. Veneer masonry shall be anchored to studs with 3/16" gage hot-dipped, galvanized steel 2-piece adjustable anchors @ 32" o.c. horizontal and 16" o.c. vertical. Anchors shall be screw attached thru exterior sheathing directly into studs, per anchor manufacturer's specifications. Anchors shall be Wire-Bond brand, manufactured by Masonry Reinforcing Corporation of America, 400 Roundtree Rd., Charlotte, N.C. 28224. Provide triangular ties (model# 1100) and 5" anchors (model# 1001). Provide mortar net, also Wire-Bond brand, above all flashing points. Install per manufacturer's written instructions.</p> <p>4.3 Materials for concrete masonry walls shall be in accordance with the following specifications: A) Hollow load bearing units: ASTM C-90, Type 1, Grade N, F'm = 2000 psi on the net area. Maximum weight= 32lbs. per 8"x8"x16" unit, 47lbs. per 12"x8"x16" unit. B) Grout: ASTM C-476, F'c = 2000psi. C) Mortar: ASTM C-270, Type S.</p> <p>4.4 All poured or pumped grout shall be fine grout, with slump 8"-10". Grouting to be placed in maximum 4"-0" lifts, grouting processes to be fully monitored and inspected by special inspections engineer. No full height grouting allowed. Mortar cross cells to contain grout in reinforced cells only. No spillage of grout into non-reinforced cells allowed.</p> <p>4.5 All hollow masonry walls that change in thickness or number of wythes shall have a course of solid or grout filled units at the transition.</p> <p>4.6 The top of unfinished masonry work and all stored masonry materials shall be covered to protect the masonry material from the weather.</p> <p>4.7 All walls subject to lateral load due to unbalanced fill or wind shall be braced plumb and shall remain braced until the permanent structure above is in place and capable of resisting all loads.</p> <p>4.8 Masonry shall not be supported on wood girders or other form of wood construction. Provide steel lintels bearing on solid masonry above all openings, unless noted otherwise.</p> <p>4.9 Flashing and weeps: Masonry Veneer: Wall flashing shall be "Perm-A-Barrier" flexible flashing by W.R. Grace, or equal, to be 40mil rubberized asphalt sheet laminated to a cross laminated polyethylene film and .010 stainless steel drip edge w/ hemmed edge projecting 1/2" beyond face of wall. (Bond to Bitu-men by Nervostril, Inc.) Install flashing above all window and door heads, below sills, at floor slab, at intersections of roofing and vertical walls, and other interruptions to the downward flow of moisture. Turn up and seal ends of flashing to prevent horizontal migration of moisture. Provide 3/8" open headed weeps @ 2'-8" o.c. at all flashing points, unless noted otherwise on drawings.</p> <p>Single-wythe CMU: Through wall flashing on single wythe CMU walls shall be a pan through wall flashing, Blok-Flash by Advanced Building Products, Inc. Drill hole in pan to accommodate reinforcing bars and seal penetration.</p> <p>4.10 Completed masonry work shall be brushed and washed with warm clean water, and free of excess mortar. Clean all other work affected by mortar spills and washing.</p> <p>4.11 Provide galvanized steel angle 3-1/2 x 3-1/2 x 3/8 for each 4" of masonry wall thickness over grilles, louvers, panel boxes, ducts, doors and other miscellaneous openings not shown. Loose lintels shall conform to ASTM specification A36 for steel. All loose lintels to have 8" minimum bearing each end.</p> <p>4.12 Provide vertical control joints at 30' o.c. in all masonry walls, UNLESS NOTED OTHERWISE IN DRAWINGS.</p> <p>4.13 STONE VENEER: SEE EXTERIOR MATERIAL SCHEDULE IN DRAWINGS FOR SPECIFICATIONS.</p>					<p>DIVISION 7 - THERMAL AND MOISTURE PROTECTION</p> <p>7.1 Insulation schedule: Exterior walls: R-13 Slab: R-7 (1 1/2" rigid @ perimeter only) Crawl space floor: R-19 Roof: R-30 minimum Expanding foam insul.: R-5 per 1" thickness</p> <p>Include sill plate insulation, caulking of sills and plates and foam injections at window and door shim plate.</p> <p>7.2 Rigid perimeter insulation shall be ASTM C578, type IV, compressive strength: 25 lb. Per square inch, minimum (ASTM D1221); water absorption: 0.1% by volume, maximum (ASTM C272). Foam blowing agent shall provide at least 90% reduction in ozone depletion potential as compared with standard cfc blowing agents. Aged R-value: 4.4 per inch @ 75% - thickness as indicated or of thickness to achieve noted R-value.</p> <p>7.3 Fiberglass batt insulation for concealed installations: Foil faced thermal batt insulation complying with ASTM C665, type III, class B. For exposed installation: Heavy duty fiberglass mesh reinforced, PSK-faced complying with ASTM C665, type II, class A, Category 1, with flame spread of 25 or less and smoke development of 50 or less. Include vinyl faced moisture barrier (.02 perms) in pre-engineered building roof and wall system insulation where exposed to view. Tape seams. Coordinate face color with owner.</p> <p>7.4 Provide continuous 6 mil polyethylene vapor retarder on warm side of all exterior walls and below all unheated attic spaces in compliance with IBC 1403.3 and 1202.2.</p> <p>7.5 Provide Tyvek moisture barrier at all exterior stud walls. Overlap & tape seams, including at flashing, in downward flowing direction. Use only tape supplied by moisture barrier manufacturer.</p> <p>7.6 Sealants: shall be non-sag, silicone type. Color to match masonry, or exterior door or window frames.</p> <p>7.7 Gutters and downspouts shall be factory finished metal; 0.027 inch thick - gutters, 0.020 inch thick downspouts. Color as indicated in drawings.</p> <p>7.8 Non-specific metal flashings shall be 24 gage aluminum, factory finished, color to match surrounding construction, field-formed on site. All flashings to have water tight seams without exposed fasteners, detailed per SMACNA standards.</p> <p>7.9 Roof scuppers and other stainless steel flashings to be minimum 24 gage, ASTM A 167, soft annealed, with No. 20 finish.</p> <p>7.10 Expanding Foam Insulation: shall consist of Core-Fill 500 foam insulation, manufactured by Tailored Chemical Products, Inc., or equal, complying with ASTM E-84, maximum flame spread of 25, maximum smoke development 450, R-value 4.9/ inch, water absorption not to exceed 15%, no water absorption in less than 1 hour, maximum dry density 0.9 lb/cubic ft, shrinkage less than 4%.</p> <p>7.11 Waterproofing Membrane System: .060" Bituthene 3000 Self-Adhering Waterproofing Membrane made from rubberized asphalt integrally bonded to polyethylene sheeting, manufactured by W.R. Grace & Co. Install per manufacturer's written installation instructions. Concrete and CMU surface should be smooth & monolithic and free of voids, spalled areas, loose aggregate, and sharp protrusions. Repair any defects as required. Provide 1" Bituthene Protection Board, adhered with Bituthene Protection Board Adhesive PBA-3000, for all below grade applications. Provide 24ga term coated stainless steel counterflashing as shown in drawing details for all above grade applications.</p>					<p>DIVISION 8 - DOORS AND WINDOWS</p> <p>8.1 All doors to be minimum 3"0" wide x 7'0" tall unless otherwise noted. Provide "lever style" knobs. See door schedule & specifications. Hardware shall be heavy duty commercial custom grade. All locks and latches shall comply with IBC 1008.1.B.3.</p> <p>8.2 Steel doors and frames: Exterior doors: ANSI/SOI-100, grade III, extra heavy duty, minimum 16 gage galvanized steel faces, seams welded and ground smooth. Label where indicated on schedule. Insulated core. Interior doors: ANSI/SOI -100, grade II, heavy duty, minimum 18 gage galvanized faces, seams welded and ground smooth. Label where indicated on schedule.</p> <p>Frames: fabricate from 16 gage galvanized steel for exterior applications, 18 gage for interior doors. Frames with welded corners for exterior doors, knock-down type for interior doors, unless instructed by owner otherwise. Provide weather stripping for exterior doors, silencers on interior frames. All frames to receive minimum 26 gage mortar boxes in mortared in frames. Provide all anchorage devices as required for wall type. Anchors to be concealed type. Factory cut doors and frames for hardware installation.</p> <p>8.3 Interior Wood Doors: Rated doors: 1-3/4" thick, 5-ply, crossbanded construction, non-combustible core, premium grade wood face. Factory stain finish with satin polyurethane (matching edge) rotary cut red birch- book match. Non-rated doors: 1-3/4" thick, 7-ply, crossbanded construction, particle board core, premium grade wood face. Factory stain finish with satin polyurethane (matching edge) rotary cut red birch- book match.</p> <p>8.4 EXTERIOR DOORS: See window types in drawings for various options. Submit proposed doors to Owner and/or Architect for approval prior to construction.</p> <p>8.5 EXTERIOR WINDOWS: Vinyl-clad, manufactured by MW, Eagle Window and Door, Inc., Marvin or other approved manufacturers. "White" color. Provide jamb extensions and exterior trim, supplied by window manufacturer, as required for wall thickness. Glaze with 5/8 inch low e, insulating glass. Include fiberglass mesh insect screens in frames to match window color. Include white hardware and weatherstripping. Install per manufacturer's standard details. Submit complete 1/4" scale elevations and enlarged details for approval. Submit proposed windows to Owner and/or Architect for approval prior to construction.</p> <p>8.6 Aluminum windows and storefront: Kawneer Triab II, 451-T for insulated systems, with finish as indicated in drawings. Provide internal structural stiffeners, extruded sills and install per manufacturer standard details. Submit complete 1/4" scale elevations and enlarged details and sample of finish for approval. Doors shall be "Medium Sile", Kawneer 350 Standard Aluminum Entrance Doors, with 3-1/2" top and side rails and 12" bottom rail. Provide standard manufacturer's door hardware as follows: Kawneer standard top and bottom offset photo (ea door) Kawneer "Adams Rite MS 1850A-505" deadlock (Ø locking door) Kawneer "CO-9" Architects Classic series exterior pull handle (ea door) Kawneer "CP 11" Architects Classic series interior push bar (ea door) Kawneer "SAM II" concealed overhead closer (ea door) extruded aluminum threshold to comply with ADA Weatherstripping and sweeps (all doors)</p> <p>8.7 GLAZING: Non-insulated: 1/4" thick, ASTM 1036, type1, quality Q5, ntegr Tempered: 1/4" thick, ASTM 1048, type 1, quality Q5, fully tempered. Use in all doors and windows within swing radius at doors and for any glazing less than 18" a.f.f. Insulated: (2) 1/4" thick float glass separated by a 1/2" dehydrated air space complying with ASTM E774. Shading coefficient shall be 0.45. Temper units as required for non-insulated tempered units. All exterior glazing shall be tinted, consult Owner for color.</p>					<p>DIVISION 5 - STEEL</p> <p>5.1 All reinforcing steel shall be billet steel ASTM A615, grade 60. Ties & stirrups shall be grade 60.</p> <p>5.2 All reinforcing marked continuous (cont.) on the plans and details shall be lapped 36 x bar diameter at splices unless otherwise noted.</p> <p>5.3 All shop and field welding shall be performed by qualified welders in accordance with AWS D.1.1 using E70xx electrodes.</p> <p>5.4 All structural steel bolts shall be 3/4" diameter A325 unless shown or noted. All column anchor bolts shall be ASTM A307.</p> <p>5.5 Round steel pipe shall conform to the requirements of ASTM A500, Grade B. Square and rectangular steel tubing shall conform to the requirements of ASTM A 500, grade B. All other structural steel shall conform to the requirements of ASTM A36. All steel shall receive one coat of shop paint.</p> <p>5.6 All light gage structural framing members shall be formed and designed from corrosion-resistant steel, corresponding to the requirements of ASTM A446 in accordance with American Iron and Steel Institute (AISI) "Specifications for the Design of Cold-Formed Steel Structural Members", latest edition.</p> <p>5.7 All welded wire fabric shall be ASTM A185 lapped a minimum of one full wire space plus 2" when spliced.</p> <p>5.8 Cuts, holes, copings, etc. in structural steel members required by work of other trades shall be made in the shop and shall be shown on the shop drawings. Burning of holes or cuts in structural steel members in the field will not be permitted without approval of the engineer.</p> <p>5.9 Unless otherwise noted, all shear connections shall be designed for one half the allowable uniformly distributed loading in accordance with the uniform load constants as tabulated in the AISC manual (ninth edition) for the indicated span plus 2 kips.</p> <p>5.11 Cold formed steel framing as required for interior and exterior walls shall be designed in accordance with the latest requirements of the IBC International Building Code. Steel framing bracing masonry walls shall be designed so that deflections caused by winds and seismic loads are limited to one six hundredth of the span.</p> <p>5.12 All structural properties for cold formed steel framing shall be computed in accordance with the A.I.S.I. "Specifications for the Design of Cold-Formed Steel Structural Members", the</p> <p>5.13 All light gage steel studs and joists, including accessories, shall be galvanized with a minimum G-60 coating.</p> <p>5.14 Studs, runners, bracing and bridging shall be manufactured per ASTM C-955.</p> <p>5.15 All galvanized studs, joists and accessories, 16 ga. or heavier, shall be formed from steel that conforms to the requirements of ASTM A-446 with a yield of 50 ksi and as set forth in section 1.2 of the A.I.S.I. "Specification for the Design of Cold-Formed Steel Structural Members", latest edition.</p> <p>5.16 All galvanized studs, joists and accessories, 18 ga. or lighter, shall be formed from steel that conforms to the requirements of ASTM A-446 with a yield of 33 ksi and as set forth in section 1.2 of the A.I.S.I. "Specification for the Design of Cold-Formed Steel Structural Members", latest edition.</p> <p>5.17 Provide solid bridging per manufacturer's recommendations.</p> <p>5.18 Metal stud installer shall provide all steel tracks, blocking, lintels, clip angles, shoes, stiffeners, fasteners, and accessories as indicated or as recommended by the material manufacturer to provide a complete metal framing system. bers"</p>														
L	<p>1.5 This project is designed as a Design - Build project. As such, not all details, equipment, systems or material selections are included in the documents. Contractor shall base his bid on the supplied information, and shall also include any additional details, equipment, systems or materials required to deliver a complete and finished product to the Owner, or reasonably and normally included in a completed project of similar scope, in compliance with all laws, codes and ordinances.</p> <p>1.6 Provide all mechanical, electrical, plumbing, and fire protection, drawings, engineering, labor and material as required to obtain required permits and complete project.</p> <p>1.7 All areas shall be accessible to the handicapped, in accordance with Virginia Uniform Statewide Building Code (VUSBC) and amendments and applicable Americans with Disabilities Act (ADA) accessibility guidelines.</p> <p>1.8 Proper site drainage shall be maintained in order to protect the site from excess surface moisture during construction. Protection of the site shall include the construction of temporary ditches, berms or other surface water diversion devices in order to divert surface water from and not across the site.</p> <p>1.9 Contractor shall verify all existing conditions and drawing dimensions prior to commencing any work. Any inconsistencies with the Architect in writing prior to commencing work. Failure to report inconsistencies will relieve Architect and Owner from any claim for additional work required related to the inconsistency.</p> <p>1.10 Under no circumstances shall these drawings be used for shop drawings.</p> <p>1.11 Structure is to be a pre-engineered metal frame structure. See Division 13 "Metal Building Systems" for general requirements.</p>					<p>DIVISION 2 - SITE</p> <p>2.1 Owner has contracted with ECS, LLC (ECS), who has prepared a written report of the sub-surface conditions of the site (ECS Project No. 3984, dated July 14, 2006). Contractor shall review the findings and recommendations of this report and comply with all recommendations. Owner shall make any other investigations he deems necessary at his cost.</p> <p>2.2 The surface of the exposed sub-grade shall be inspected by probing or testing to check for pockets of soft or unsuitable material. All fill and unsuitable foundation material shall be removed and footings shall rest on undisturbed soil or engineered fill. FOOTINGS HAVE BEEN DESIGNED PER MINIMUM SOIL BEARING CAPACITY OF 3,000 PSF AS OUTLINED IN ECS REPORT 3984. Preparation of soil and sub-grade beneath footings and slabs on grade shall be in accordance with the recommendations of the Owner's geotechnical engineer's report. All footing excavations, site stripping, undercutting and control fill operations shall be done under the supervision of an independent testing laboratory, under the direction of a registered professional engineer.</p> <p>2.3 Proper site drainage shall be maintained in order to protect the site from excess surface moisture during construction. Protection of the site shall include the construction of temporary ditches, berms or other surface water diversion devices in order to divert surface water away from, and not across, the site.</p> <p>2.4 Contractor shall locate footing steps in field as required by finish grade and geotechnical engineer's recommendations for depths of footings.</p> <p>2.5 Within an area a minimum of 5' beyond the building limits, excavate to the required sub-grade elevations. Remove a minimum of 8" of existing material. Remove all unsuitable material, including all organics, roots, debris, fill and all soft wet soil.</p> <p>2.6 Excavations of retaining walls shall be sloped. Temporary slopes should be constructed on a slope of one horizontal to one vertical or flatter.</p>					<p>DIVISION 3 - CONCRETE</p> <p>3.1 All concrete materials and processes shall conform in general to current ACI recommended practice for the design of concrete mixes. (ACI -613 last revised).</p> <p>3.2 All concrete shall conform to one of the following specifications: A. Concrete for sidewalks and slabs exposed to weather shall be 4500 psi, air-entrained, with water to cement ratio of 0.40, maximum aggregate size 3/4", air content= 6%. B. All concrete for interior slabs on grade and footings shall be 3500 psi. C. All other concrete shall be 3000 psi.</p> <p>All materials and processes to this end shall conform in general to ACI recommended practice for the design of concrete mixes (ACI committee 211.1 last revised).</p> <p>3.3 All concrete work shall be in accordance with ACI 301-99 "Specifications for Structural Concrete for Buildings", and ACI 318-99 "Building Code Requirements for Reinforced Concrete" and the project specifications unless otherwise noted or detailed on the contract drawings.</p> <p>3.4 Concrete protection for reinforcing steel and other general requirements for fabrication and placing of reinforcing steel shall be in accordance with the latest edition of the "American Concrete Institute Building Code" (ACI 318)</p> <p>3.5 All reinforcing steel shall be held securely in place to prevent dislocation during concrete placement.</p> <p>3.6 No concrete shall be placed until all embedded items have been installed, tested and inspected.</p> <p>3.7 All slabs on grade specifically noted in drawings as having fiber mesh concrete mix shall comply with ASTM C1116-type III.</p> <p>3.8 Contractor shall place 1/2" compressible neoprene in joints of concrete slab on grade and meeting joints of slab on grade and dissimilar material.</p> <p>3.9 For slabs on grade provide construction joints or crack control joints as shown on foundation plan, or parallel joints are spaced no further than 25' apart. All saw joints shall be cut within (4) hours of slab pour.</p> <p>3.10 All anchor bolts shall be ASTM A307, headed type.</p> <p>3.11 Concrete slab surface shall conform to ASTM E 1155 F-number system for fitness and levelness. Slab surface shall be described as very flat with FF=45 and FL=30.</p>					<p>1028 Corporate Circle Roanoke, Virginia 24018 Phone: 540/772-9580 Fax: 540/772-9550</p> <p>501 Branchway Road Richmond, Virginia 23236 Phone: 804/794-0271 Fax: 804/794-2635</p> <p>880 Technology Park Drive Suite 202 Glen Allen, Virginia 23059 Phone: 804/553-0132 Fax: 804/553-0133</p> <p>1561 Commerce Road Suite 401 Verona, Virginia 24482 Phone: 540/248-3220 Fax: 540/248-3221</p> <p>NEW DINING HALL FOR</p> <p>CLAYTOR LAKE AQUATICS BASE</p> <p>PULASKI, VIRGINIA</p> <p>DRAWN BY <u>RWP/ARW</u> DESIGNED BY <u>BDM/ARW</u> CHECKED BY _____ DATE <u>11/10/06</u></p> <p>REVISIONS</p> <p>△ 01/12/07</p> <p>SCALE <u>AS NOTED</u> SHEET NO. T1.2 CONSTRUCTION NOTES JOB NO. B0600007.00</p>																			
K	<p>1.5 This project is designed as a Design - Build project. As such, not all details, equipment, systems or material selections are included in the documents. Contractor shall base his bid on the supplied information, and shall also include any additional details, equipment, systems or materials required to deliver a complete and finished product to the Owner, or reasonably and normally included in a completed project of similar scope, in compliance with all laws, codes and ordinances.</p> <p>1.6 Provide all mechanical, electrical, plumbing, and fire protection, drawings, engineering, labor and material as required to obtain required permits and complete project.</p> <p>1.7 All areas shall be accessible to the handicapped, in accordance with Virginia Uniform Statewide Building Code (VUSBC) and amendments and applicable Americans with Disabilities Act (ADA) accessibility guidelines.</p> <p>1.8 Proper site drainage shall be maintained in order to protect the site from excess surface moisture during construction. Protection of the site shall include the construction of temporary ditches, berms or other surface water diversion devices in order to divert surface water from and not across the site.</p> <p>1.9 Contractor shall verify all existing conditions and drawing dimensions prior to commencing any work. Any inconsistencies with the Architect in writing prior to commencing work. Failure to report inconsistencies will relieve Architect and Owner from any claim for additional work required related to the inconsistency.</p> <p>1.10 Under no circumstances shall these drawings be used for shop drawings.</p> <p>1.11 Structure is to be a pre-engineered metal frame structure. See Division 13 "Metal Building Systems" for general requirements.</p>					<p>DIVISION 2 - SITE</p> <p>2.1 Owner has contracted with ECS, LLC (ECS), who has prepared a written report of the sub-surface conditions of the site (ECS Project No. 3984, dated July 14, 2006). Contractor shall review the findings and recommendations of this report and comply with all recommendations. Owner shall make any other investigations he deems necessary at his cost.</p> <p>2.2 The surface of the exposed sub-grade shall be inspected by probing or testing to check for pockets of soft or unsuitable material. All fill and unsuitable foundation material shall be removed and footings shall rest on undisturbed soil or engineered fill. FOOTINGS HAVE BEEN DESIGNED PER MINIMUM SOIL BEARING CAPACITY OF 3,000 PSF AS OUTLINED IN ECS REPORT 3984. Preparation of soil and sub-grade beneath footings and slabs on grade shall be in accordance with the recommendations of the Owner's geotechnical engineer's report. All footing excavations, site stripping, undercutting and control fill operations shall be done under the supervision of an independent testing laboratory, under the direction of a registered professional engineer.</p> <p>2.3 Proper site drainage shall be maintained in order to protect the site from excess surface moisture during construction. Protection of the site shall include the construction of temporary ditches, berms or other surface water diversion devices in order to divert surface water away from, and not across, the site.</p> <p>2.4 Contractor shall locate footing steps in field as required by finish grade and geotechnical engineer's recommendations for depths of footings.</p> <p>2.5 Within an area a minimum of 5' beyond the building limits, excavate to the required sub-grade elevations. Remove a minimum of 8" of existing material. 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Coordinate with all contractor, owner and equipment supplier requirements prior to enclosing framing.</p> <p>6.4 Wood treatment: pressure treat all sills and plates and any other wood in contact with masonry or ground, and as shown elsewhere on drawings. Pressure treatment shall comply with AWPB standards c2 and lp-22.</p>					<p>DIVISION 9 - FINISHES</p> <p>9.1 All interior finishes shall have a maximum flamespread rating of ASTM Class C (76-200) in rooms and enclosed spaces and Class B (25-75) in exit access corridors and other exitways (IBC table 903.5). Interior floor finishes to meet the requirements as outlined in IBC section 904.0.</p> <p>9.2 Owner shall provide additional documents related to interior materials and finishes.</p> <p>9.3 Gypsum board and wood assemblies shall be secured to studs at spacing indicated by gypsum board manufacturer with fasteners specified by same. Provide sheet steel zinc coated by hot dip process trim accessories complying with ASTM C1047. Trim includes corner bead, ic bead, screw heads, and irregularities. Sand smooth.</p> <p>9.4 Exterior sheathing shall be manufacturer's standard gypsum sheathing, complying with ASTM C79/C 1396, with manufacturer's standard edges, moisture resistant core, and water-repellent exterior surface. Maximum flame spread of 25 or less. Thickness as indicated in drawings.</p> <p>9.5 All gypsum board shall be 5/8 inch thick, unless noted otherwise. Provide moisture resistant board in exterior soffits, bathrooms, around open tubs, and in laundry and janitor rooms.</p> <p>9.6 Exterior paint: utilizes alkyl enamel semi-gloss finish paint by Benjamin Moore, Porter Paint, or equal. Consult owner for color selection.</p> <p>Interior paint: shall consist of (1) coat latex-based undercoat/primer/sealer for interior applications, and (2) coats factory-formulated acrylic-latex finish for interior application, by Benjamin Moore, Porter Paint, or equal. Consult owner for color selection. Use finish schedule for locations of flat or semi-gloss.</p> <p>9.7 Acoustical wall panels shall be by Tectum Inc. or equal, 1" minimum thickness, NRC of 0.40, "White" color, maximum flame spread of 25 or less.</p> <p>9.7 Acoustical Panel Ceiling to be manufactured by Armstrong (or equal), to be square lay-in, white, 24"x48"x5/8"; see drawings for different finish requirements.</p> <p>9.9 Ceramic Tile: 12"x12"x1/4", ADA compliant, to be selected by General Contractor and submitted to Owner for approval prior to construction. General Contractor shall be responsible for depressing of floor slab as required to maintain finish floor height.</p> <p>9.10 Carpet: Commercial grade, ADA compliant, to be selected by General Contractor and submitted to Owner for approval prior to construction.</p>					<p>DIVISION 10 - SPECIALTIES</p> <p>DIVISION 11 - EQUIPMENT</p> <p>DIVISION 12 - FURNISHINGS</p> <p>12.1 Tenant work (equipment, displays, etc) to be designed by others under separate contract.</p> <p>DIVISION 13 - SPECIAL CONSTRUCTION</p> <p>13.1 Metal Building Systems: Building frame and roof are to be designed by manufacturer under supervision of a professional engineer licensed in the Commonwealth of Virginia. Provide design calculations if required by County or Architect. Provide foundation design reactions to Architect for foundation design. Submit three copies of complete shop drawings for review and approval by General Contractor and Architect. Metal building design engineer shall design structure to accommodate all required or noted deflection criteria and imposed loads transferred to building frame from non-metal building components. Work shall be warranted with a 20 year roof. Complete metal building package shall include all components required to complete the building envelope, including, but not limited to: metal framing components; wall, roof & liner panels; roof penetration curbs; exterior wall louvers & fans; doors, windows & frames; and all associated flashings and anchoring devices required for complete installation of all components. All components to be installed per manufacturer's standard details, fit and sealed to form a weathertight building envelope.</p> <p>DIVISION 14 - CONVEYING SYSTEMS</p> <p>DIVISION 15 - MECHANICAL</p> <p>15.1 Contractor shall provide all mechanical and plumbing design and engineering drawings for securing required sub-permits. Engineering designs shall be submitted to Owner for review and approval prior to construction. Contractor shall base his bid on the supplied information, and shall also include any additional details, equipment, systems or materials required to complete the building envelope, including, but not limited to: metal framing components; wall, roof & liner panels; roof penetration curbs; exterior wall louvers & fans; doors, windows & frames; and all associated flashings and anchoring devices required for complete installation of all components. All components to be installed per manufacturer's standard details, fit and sealed to form a weathert</p>									

DESIGN LOADS (2003 IBC)

LIVE LOADS:
 FLOOR LIVE LOAD (OFFICE & KITCHEN): 50 psf
 FLOOR LIVE LOAD (ASSEMBLY): 100 psf
 FLOOR CONCENTRATED LIVE LOAD: 2000 lbs (OFFICE/KITCHEN ONLY)
 ROOF LIVE LOAD: 20 psf

SNOW LOADS:
 GROUND SNOW LOAD: 40 psf
 SNOW EXPOSURE FACTOR: 1.00
 IMPORTANCE FACTOR: 1.10
 THERMAL FACTOR: 1.0

WIND LOADS:
 DESIGN WIND SPEED: 100 mph
 BUILDING CATEGORY: II
 IMPORTANCE FACTOR: 1.15
 EXPOSURE: B
 INTERNAL PRESSURE COEFFICIENT: ---
 COMPONENTS & CLADDING:
 ROOF --- psf
 WALL --- psf

SEISMIC LOADS:
 USE GROUP: II
 SPECTRAL RESPONSE COEFFICIENT: $S_{ps}=0.397$
 $S_{ps1}=0.183$

SITE CLASS: D
FORCE RESISTING SYSTEM: STEEL MOMENT RESISTANT FRAME
DESIGN BASE SHEAR: V_u --- lbs
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

FOOTING SCHEDULE

MARK	SIZE (W x L x D)	REINFORCEMENT	REMARKS
F1	1'-0" x CONT. x 2'-0"	(2) #5's CONT.	TURN-DOWN FTG.
F2	4'-0" x CONT. x 1'-0"	(4) #5's LONG. & #5's@16" o.c. LAT.	RETAINING WALL
F3	2'-6" x 2'-6" x 1'-0"	(3) #5's EA. WAY	TYP SPREAD FOOTING
F4	3'-0" x 3'-0" x 1'-0"	(4) #5's EA. WAY	TYP SPREAD FOOTING
F5	6'-0" x 6'-0" x 1'-0"	(6) #6's EA. WAY	TYP SPREAD FOOTING
F6	6'-6" x 6'-6" x 1'-0"	(7) #6's EA. WAY	TYP SPREAD FOOTING
F7	7'-6" x 7'-6" x 1'-4"	(9) #6's EA. WAY	TYP SPREAD FOOTING
F8	8'-6" x 8'-6" x 1'-4"	(10) #6's EA. WAY	TYP SPREAD FOOTING

NOTE: ALL WALL FTG. REINF. SHALL BE CONT. THRU COL. FTGS.

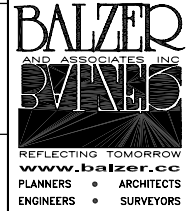
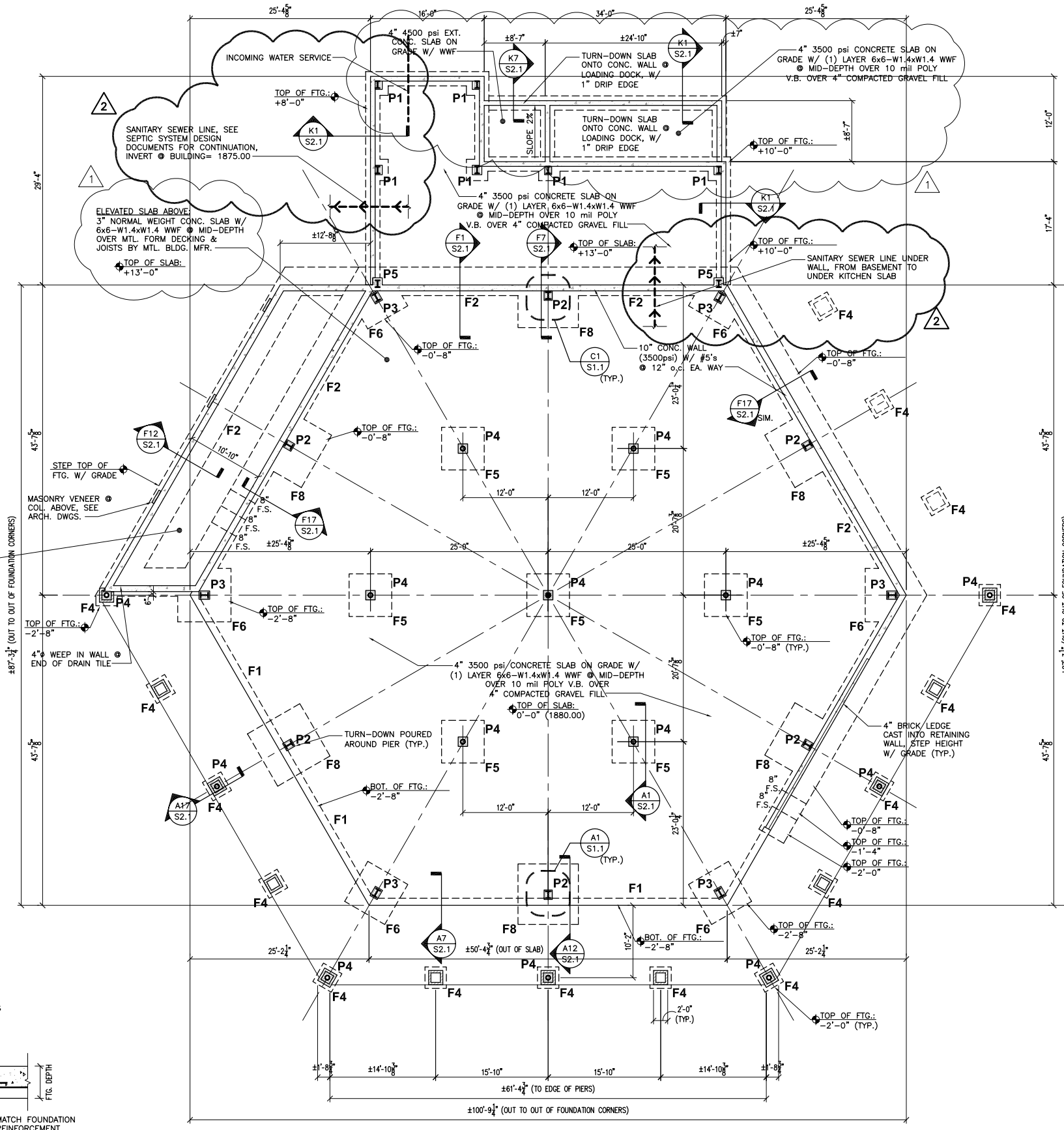
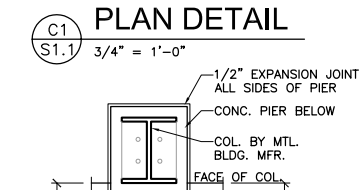
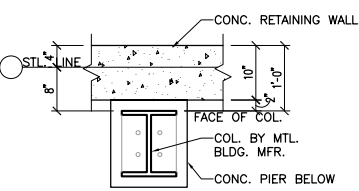
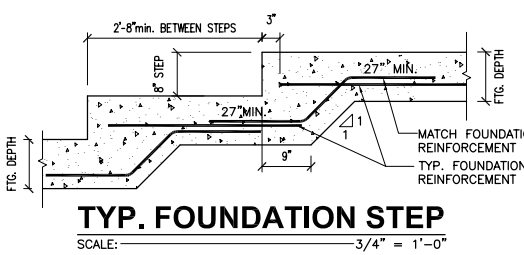
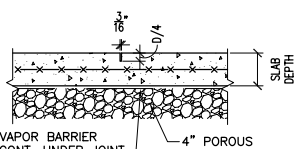
PIER SCHEDULE

MARK	SIZE (W x L x D)	REINFORCEMENT	REMARKS
P1	1'-0" x 1'-4"	(4) #3's VERT. W/ #3 TIES @ 9" o.c.	RECT. PIER
P2	1'-2" x 1'-4"	(4) #5's VERTICAL W/ (2) #3 TIES	RECT. PIER
P3	1'-2" x 1'-6"	(4) #5's VERTICAL W/ (2) #3 TIES	RECT. PIER
P4	1'-4" x 1'-4"	(4) #4's VERTICAL W/ #3 TIES@12"oc	SQUARE PIER
P5	1'-4" x 1'-8"		

- GENERAL NOTES:**
- SEE SITE PLAN FOR EXACT WALKWAY/CURB, ETC. LOCATIONS AND FOR CONTINUATION REQUIREMENTS.
 - FOOTING SIZES BASED ON 3000 psf BEARING CAPACITY.
 - FOOTING SIZES BASED ON PRELIMINARY REACTIONS PROVIDED BY METAL BUILDING MANUFACTURER AND ARE SUBJECT TO CHANGE. CONTRACTOR MUST SUBMIT FINAL BUILDING REACTIONS FROM MANUFACTURER AT LEAST 2 WEEKS PRIOR TO SUBMITTAL FOR PERMIT.
 - FOOTING ELEVATIONS SHOWN ARE APPROXIMATE ONLY. ACTUAL FOOTING STEP LOCATIONS SHALL BE AS REQUIRED IN FIELD TO MAINTAIN DEPTH BELOW FINISH GRADE. ADDITIONAL STEPS MAY BE REQUIRED TO OBTAIN SUITABLE BEARING.

4" 4500 psi CONCRETE SLAB ON GRADE W/ (1) LAYER 6x6-W1.4xW1.4 WWF @ MID-DEPTH OVER COMPACTED GRAVEL FILL, SLOPE TOP 1" AWAY FROM BLDG.

TOP OF SLAB: HIGH= +13'-0" LOW= +12'-11"



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 Phone: 804/794-0271
 Fax: 804/794-2635

880 Technology Park Drive
 Suite 200
 Glen Allen, Virginia 23059
 Phone: 804/553-0132
 Fax: 804/553-0133

1561 Commerce Road
 Suite 401
 Verona, Virginia 24482
 Phone: 540/248-3220
 Fax: 540/248-3221

NEW DINING HALL FOR

CLAYTOR LAKE AQUATICS BASE

PULASKI, VIRGINIA

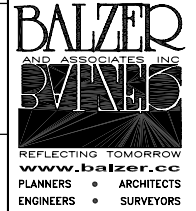
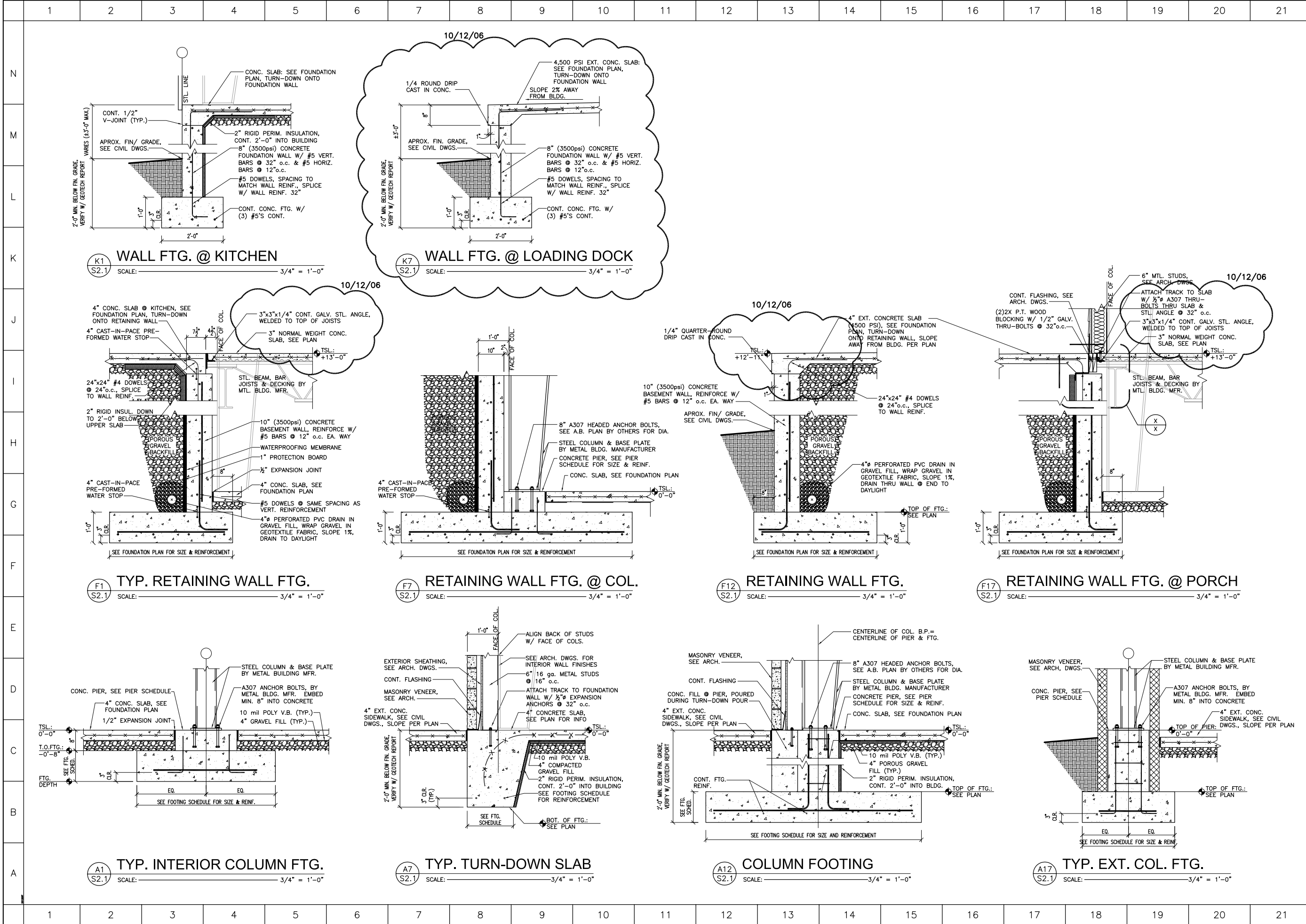
DRAWN BY RWP/JK
 DESIGNED BY RIS
 CHECKED BY
 DATE 09/22/06

REVISIONS
 1 10/12/06
 2 01/12/07

SCALE AS NOTED
 SHEET NO.

S1.1

FOUNDATION PLAN
 JOB NO. B0600007.00



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NEW DINING
HALL
FOR

CLAYTOR
LAKE
AQUATICS
BASE

PULASKI, VIRGINIA

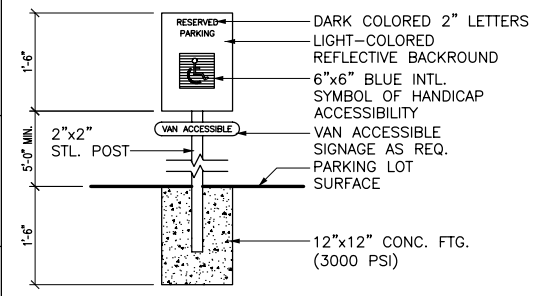
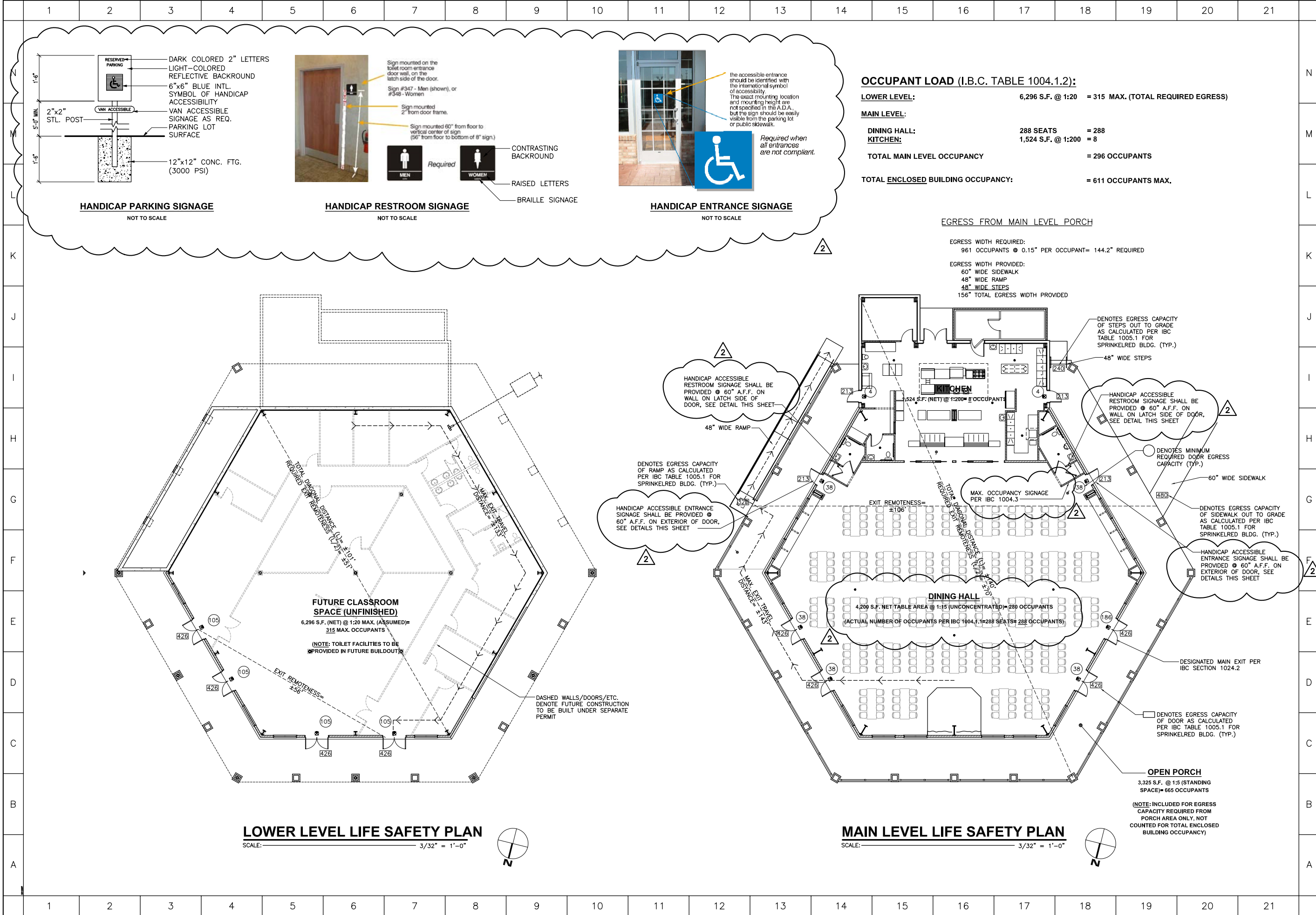
DRAWN BY RWP/JK
DESIGNED BY RIS
CHECKED BY _____
DATE 09/22/06

REVISIONS
1 10/12/06
2 01/12/07

SCALE AS NOTED
SHEET NO.

S2.1

FOUNDATION DETAILS
JOB NO. B0600007.00



HANDICAP PARKING SIGNAGE
NOT TO SCALE



HANDICAP RESTROOM SIGNAGE
NOT TO SCALE



HANDICAP ENTRANCE SIGNAGE
NOT TO SCALE

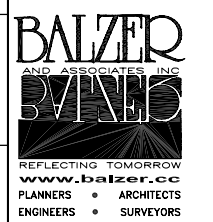
OCCUPANT LOAD (I.B.C. TABLE 1004.1.2):

LOWER LEVEL:	6,296 S.F. @ 1:20	= 315 MAX. (TOTAL REQUIRED EGRESS)
MAIN LEVEL:		
DINING HALL:	288 SEATS	= 288
KITCHEN:	1,524 S.F. @ 1:200	= 8
TOTAL MAIN LEVEL OCCUPANCY		= 296 OCCUPANTS
TOTAL ENCLOSED BUILDING OCCUPANCY:		= 611 OCCUPANTS MAX.

EGRESS FROM MAIN LEVEL PORCH

EGRESS WIDTH REQUIRED:
961 OCCUPANTS @ 0.15" PER OCCUPANT = 144.2" REQUIRED

EGRESS WIDTH PROVIDED:
60" WIDE SIDEWALK
48" WIDE RAMP
48" WIDE STEPS
156" TOTAL EGRESS WIDTH PROVIDED



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NEW DINING HALL FOR

CLAYTOR LAKE AQUATICS BASE

PULASKI, VIRGINIA

DRAWN BY RWP/ARW

DESIGNED BY BDM/ARW

CHECKED BY _____

DATE 11/10/06

REVISIONS

01/12/07

SCALE AS NOTED

SHEET NO.

A0.1

LIFE SAFETY PLANS

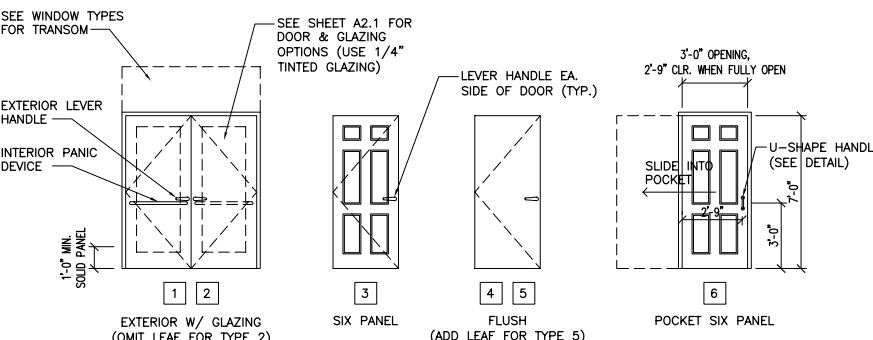
JOB NO. B0600007.00

DOOR SCHEDULE

DR. NO.	SIZE (WIDTH X HEIGHT X THICKNESS)	MATERIAL	DOOR TYPE	LABEL (MIN.)	GLASS	THRD.	FRAME TYPE	CLOSER	HWDR SET #	REMARKS
100A	(2) 3'-0"x7'-0"x1-3/4"	MTL.	1		YES	YES		YES	1	
100B	(2) 3'-0"x7'-0"x1-3/4"	MTL.	1		YES	YES		YES	1	
100C	(2) 3'-0"x7'-0"x1-3/4"	MTL.	1		YES	YES		YES	1	
100D	(2) 3'-0"x7'-0"x1-3/4"	MTL.	1		YES	YES		YES	1	
201A	3'-0"x7'-0"x1-3/4"	MTL.	2		YES	YES		YES	2	
201B	(2) 3'-0"x7'-0"x1-3/4"	MTL.	1		YES	YES		YES	1	
201C	(2) 3'-0"x7'-0"x1-3/4"	MTL.	1		YES	YES		YES	1	
201D	(2) 3'-0"x7'-0"x1-3/4"	MTL.	1		YES	YES		YES	1	
201E	(2) 3'-0"x7'-0"x1-3/4"	MTL.	1		YES	YES		YES	1	
201F	3'-0"x7'-0"x1-3/4"	MTL.	2		YES	YES		YES	2	
201G	2'-6"x7'-0"x1-3/4"	WOOD	3						3	
201H	2'-6"x7'-0"x1-3/4"	WOOD	3						3	
202A	3'-0"x7'-0"x1-3/4"	WOOD	3						4	
203A	3'-0"x7'-0"x1-3/4"	WOOD	3						4	
204A	3'-0"x7'-0"x1-3/4"	WOOD	3						4	
206A	3'-0"x7'-0"x1-3/4"	MTL.	4		YES			YES	5	
206B	3'-0"x7'-0"x1-3/4"	MTL.	4		YES			YES	5	
206C	(2) 3'-0"x7'-0"x1-3/4"	MTL.	5		YES	YES		YES	6	
206D	3'-6"x7'-0"x1-3/4"	MTL.	4		YES			YES	3	
208A	3'-0"x7'-0"x1-3/4"	WOOD	4						3	
209A	3'-0"x7'-0"x1-3/4"	WOOD	6						7	NOTE B
209B	3'-0"x7'-0"x1-3/4"	WOOD	6						7	NOTE B
209C	3'-0"x7'-0"x1-3/4"	WOOD	6						7	NOTE B
209D	3'-0"x7'-0"x1-3/4"	WOOD	6						7	NOTE B

GENERAL DOOR NOTES

- ALL THRESHOLDS SHALL BE 1/4" OFFSET, ADA ACCESSIBLE.
- PROVIDE WEATHERSTRIPPING FOR ALL EXTERIOR DOORS.
- SEE FLOOR PLAN FOR SWING.
- WOOD DOORS SHALL BE CROSSBANDED CONSTRUCTION, PARTICLE BOARD CORE, PREMIUM GRADE WOOD FACE, FACTORY STAIN FINISH WITH SATIN POLYURETHANE, MATCHING EDGE ROTARY CUT, BOOK MATCH.
- NON-RATED DOORS SHALL BE 7-PLY, FIRE-RATED DOORS SHALL BE 5-PLY.
- ALL INTERIOR DOOR FRAMES IN NON-RATED PARTITIONS SHALL BE 18 GAGE HOLLOW METAL FRAMES, KNOCK-DOWN TYPE, W/ 2" WIDE HEAD AND JAMBS, AND SHALL BE FACTORY PRIMED AND FIELD-PAINTED, CONSULT TENANT FOR COLORS.
- PREF-FORMED FIBERGLASS DOORS MAY BE SUBSTITUTED FOR INTERIOR WOOD DOORS IF APPROVED BY OWNER, G.C. CONSULT OWNER AND/OR SUBMIT CUT SHEETS FOR PROPOSED DOORS PRIOR TO DOOR FABRICATION.
- DOOR TO BE PROVIDED W/ NOTE STATING DOOR TO REMAIN OPEN DURING ALL OCCUPIED HOURS OF DINING ROOM.



DOOR TYPES

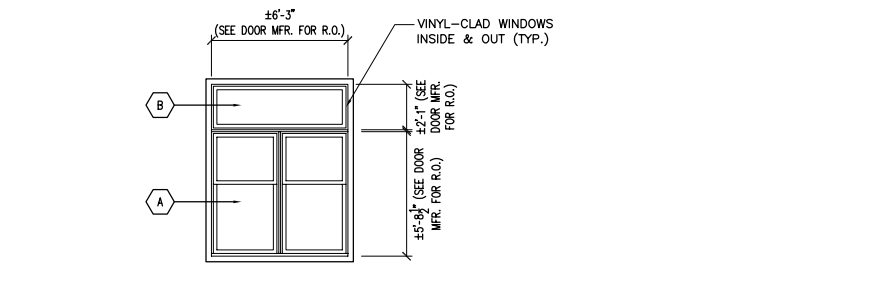
SCALE: 1/4" = 1'-0"

WINDOW SCHEDULE

MARK	SIZE (WIDTH X HEIGHT)	TYPE	MANUFACTURER/MODEL	HEAD HEIGHT	REMARKS
EXTERIOR WINDOWS					
A	(2) 3'-0" x 5'-6"	DOUBLE HUNG	M&W 3/0 TWIN x 5/6C	±9'-2"	W/ WINDOW TYPE B TRANSOM
B	6'-0" x 2'-0"	DOUBLE HUNG	M&W 6/0 x 1'-6"	±9'-2"	TRANSOM WINDOW
C	---	---	---	---	SLIDING SERVICE WINDOW

GENERAL WINDOW NOTES

- ALL GLAZING FOR EXTERIOR WINDOWS SHALL BE 5/8" INSULATED, U.N.O.
- WINDOW SIZES SHOWN ARE NOMINAL. G.C. SHALL VERIFY ACTUAL WINDOW SIZES W/ WINDOW MFR. PRIOR TO WINDOW FABRICATION.



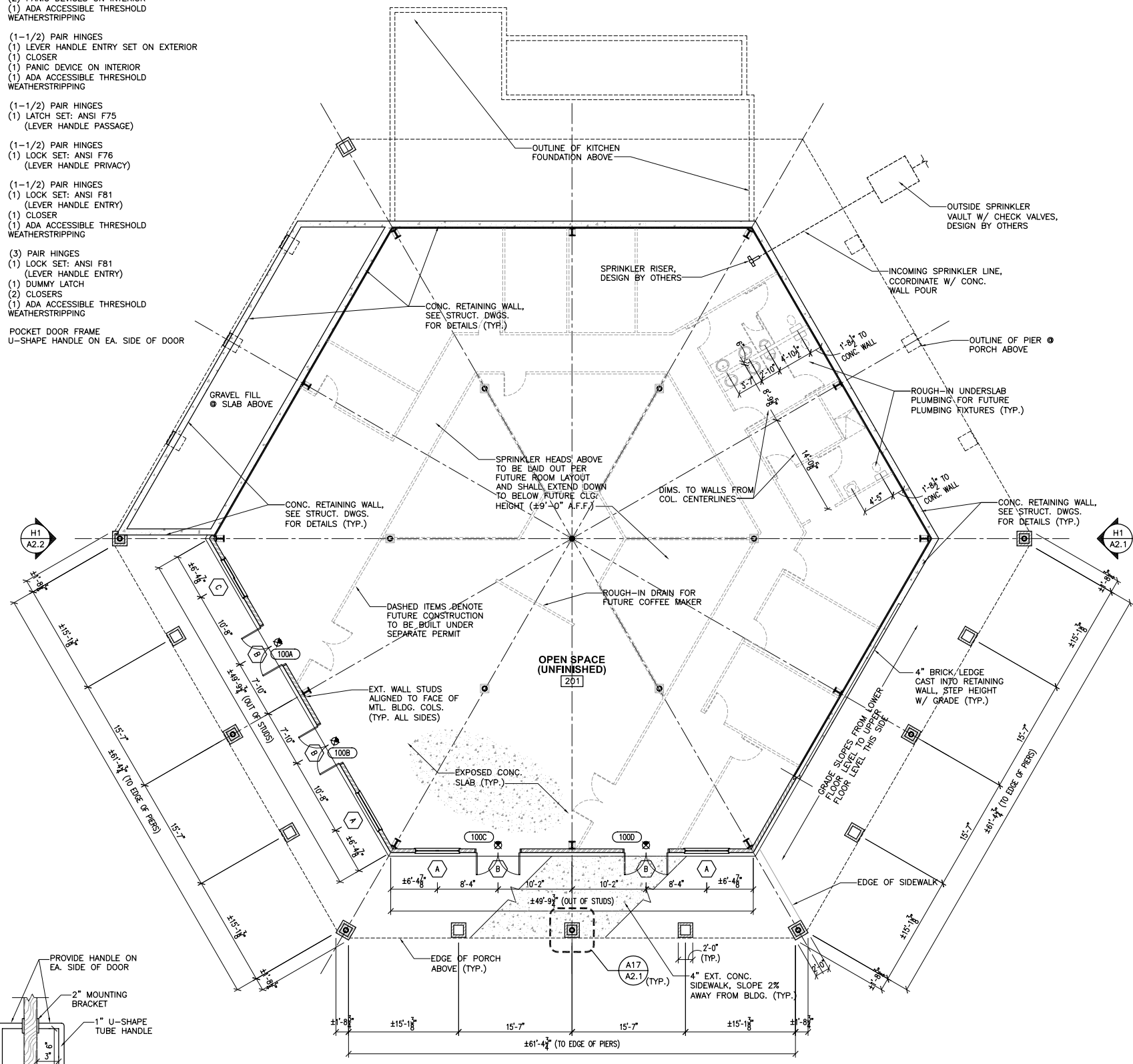
WINDOW TYPES

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

POCKET DOOR HANDLE

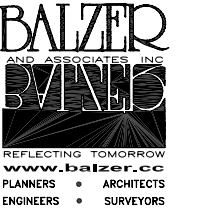
SCALE: 1-1/2" = 1'-0"

- DOOR HARDWARE SETS:**
- (3) PAIR HINGES
(2) LEVER HANDLE ENTRY SETS ON EXTERIOR
(2) CLOSERS
(2) PANIC DEVICES ON INTERIOR
(1) ADA ACCESSIBLE THRESHOLD WEATHERSTRIPPING
 - (1-1/2) PAIR HINGES
(1) LEVER HANDLE ENTRY SET ON EXTERIOR
(1) CLOSER
(1) PANIC DEVICE ON INTERIOR
(1) ADA ACCESSIBLE THRESHOLD WEATHERSTRIPPING
 - (1-1/2) PAIR HINGES
(1) LATCH SET: ANSI F75 (LEVER HANDLE PASSAGE)
 - (1-1/2) PAIR HINGES
(1) LOCK SET: ANSI F76 (LEVER HANDLE PRIVACY)
 - (1-1/2) PAIR HINGES
(1) LOCK SET: ANSI F81 (LEVER HANDLE ENTRY)
(1) CLOSER
(1) ADA ACCESSIBLE THRESHOLD WEATHERSTRIPPING
 - (3) PAIR HINGES
(1) LOCK SET: ANSI F81 (LEVER HANDLE ENTRY)
(1) DUMMY LATCH
(2) CLOSERS
(1) ADA ACCESSIBLE THRESHOLD WEATHERSTRIPPING
 - POCKET DOOR FRAME
U-SHAPE HANDLE ON EA. SIDE OF DOOR



LOWER LEVEL FLOOR PLAN

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



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01/12/07

SCALE AS NOTED

SHEET NO.

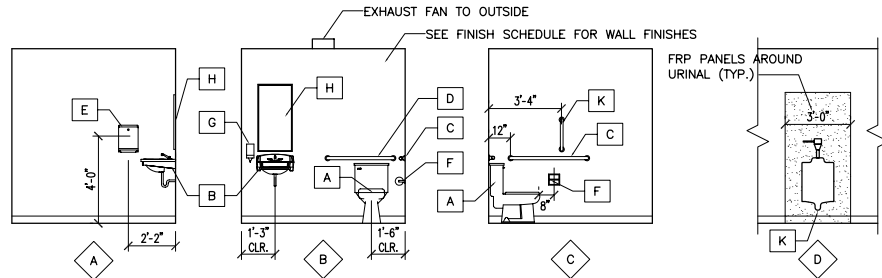
A1.1

LOWER LEVEL FLOOR PLAN

JOB NO. B0600007.00

RESTROOM ACCESSORY SCHEDULE					
ID.	DESCRIPTION	MANUFACTURER	MODEL	NOTES	MOUNTING HEIGHT
A	WATER CLOSET- HANDICAP	TOTO	CST704	WHITE W/ SEAT	SEAT 17" A.F.F.
B	LAVATORY- WALL HUNG	AMERICAN STANDARD	LUCERNE 0355.012	WHITE W/ ADA FAUCET	34" A.F.F. TO TOP OF SINK RIM
C	1-1/2" DIAMETER 42" GRAB BAR	BOBRICK	B-6206.99 X 42	REINFORCED WALL	36" A.F.F. TO CENTER OF BAR
D	1-1/2" DIAMETER 36" GRAB BAR	BOBRICK	B-6206.99 X 36	REINFORCED WALL	36" A.F.F. TO CENTER OF BAR
E	SURFACE-MOUNT P.T. DISPENSER	BOBRICK	B-262	STAINLESS STEEL	48" A.F.F. TO CENTER
F	SURFACE-MOUNT T.P. DISPENSER	BOBRICK	B-2740	STAINLESS STEEL	24" A.F.F.
G	SOAP DISPENSER	BOBRICK	B-2112	STAINLESS STEEL	44" A.F.F. TO BOTTOM OF DISPENSER
H	MIRROR 24"x36"	BOBRICK	B165-2436	STAINLESS STEEL	40" A.F.F. TO BOTTOM OF REFLECTING SURFACE
J	24"x24" MOP SINK	BOBRICK	B-6206.99 X 18	REINFORCED WALL	40" A.F.F. TO BOTTOM OF BAR
K	1-1/2" DIAMETER 18" GRAB BAR	BOBRICK	B-6206.99 X 18	REINFORCED WALL	40" A.F.F. TO BOTTOM OF BAR
K	URINAL (HANDICAP)	AMERICAN STANDARD	WASHBROOK 6501.010	WHITE W/ ADA FAUCET	17" A.F.F. TO TOP OF RIM FOR H.C. HGT.

- NOTES:
- INSULATE ALL EXPOSED H.W. SUPPLY AND DRAIN PIPES.
 - ALL SUBSTITUTE FIXTURES SHALL BE ADA COMPLIANT.
 - TOILET LEVER SHALL BE TO WIDE SIDE OF ROOM OR STALL.
 - PROVIDE (2)2x8 WD. BLOCKING BETWEEN STUDS FOR MOUNTING GRAB BARS.
 - PROVIDE VENTILATION FANS TO OUTSIDE FOR ALL TOILETS, OPERATION TO ACTIVATE WHEN LIGHT IS SWITCHED. ANY VENT PIPE (OR OTHER) PENETRATIONS THROUGH ROOF SHALL BE INSPECTED & VERIFIED BY ROOF INSTALLER OR MANUFACTURER TO INSURE CONTINUANCE OF ROOF WEATHERTIGHTNESS WARRANTY.



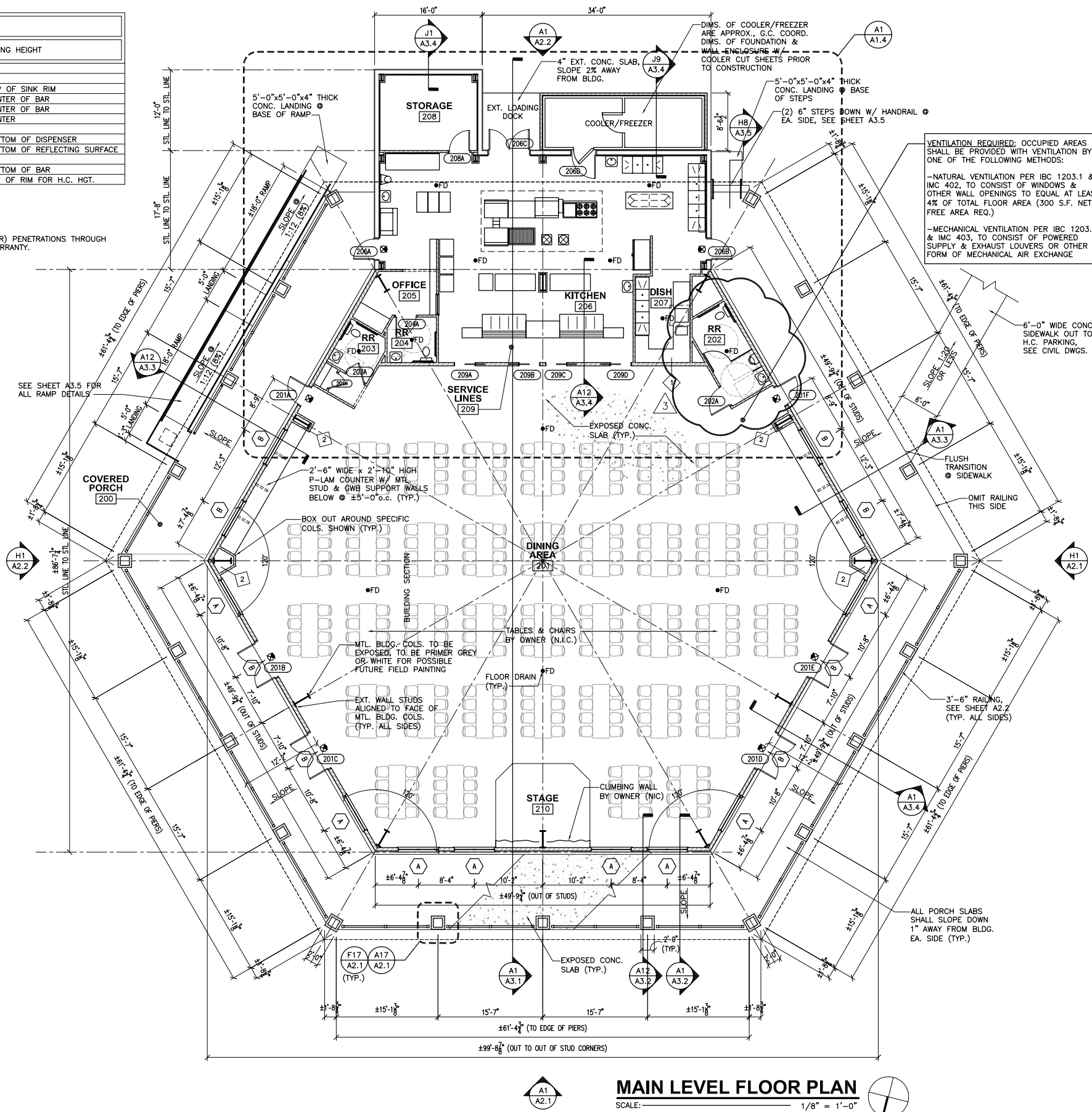
J1 RESTROOM ELEVATIONS
A1.2 SCALE: 1/4" = 1'-0"

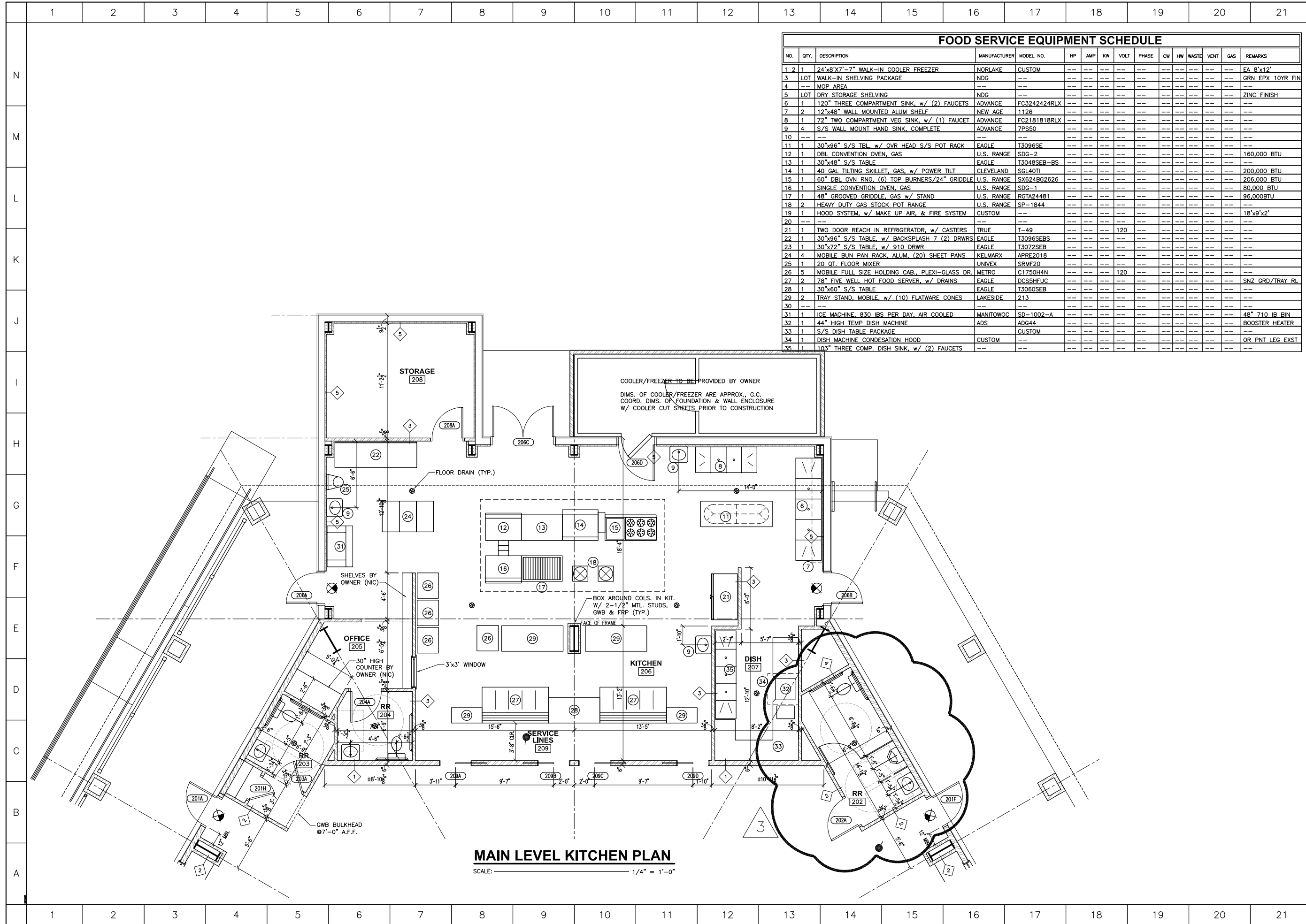
ROOM FINISH SCHEDULE							
SPACE NO.	ROOM	FLOOR	BASE	WALLS	CEILING	HEIGHT	REMARKS
100	LOWER LEVEL OPEN SPACE	CONC.	-	-	-	-	UNFINISHED
MAIN LEVEL							
200	COVERED PORCH	CONC.	-	SIDING PAINT	MTL	-	-
201	DINING AREA	CONC.	VCB	GWB PAINT	MTL	-	VARIES
202	RESTROOM	CONC.	VCB	GWB PAINT	ACT	8'-0"	-
203	RESTROOM	CONC.	VCB	GWB PAINT	ACT 1	8'-0"	-
204	RESTROOM	CONC.	VCB	GWB PAINT	ACT 1	8'-0"	-
205	OFFICE	CONC.	VCB	GWB FRP	ACT 2	9'-0"	-
206	KITCHEN	CONC.	VCB	GWB FRP	ACT 2	9'-0"	-
207	DISH WASH AREA	CONC.	VCB	GWB FRP	ACT 2	9'-0"	-
208	STORAGE	CONC.	VCB	GWB FRP	ACT 2	9'-0"	-
209	SERVICE LINES	CONC.	VCB	GWB FRP	ACT 2	9'-0"	-
210	STAGE	CONC.	VCB	GWB PAINT	MTL	-	VARIES

- FINISH NOTES:
- FINISHES SHOWN HEREIN ARE SCHEMATIC, CONSULT TENANT FOR ALL REQUIRED FINISHES.
 - ALL CLOSETS & AUXILIARY SPACES SHALL HAVE SAME FLOOR AND WALL FINISHES AS ROOMS THEY ARE LOCATED IN.
 - ALL CEILINGS LABELED AS "MTL" SHALL BE PRE-FINISHED LINER OR SOFFIT PANELS PROVIDED WITH PRE-ENGINEERED MTL. BLDG. PACKAGE BY MTL. BLDG. MFR.
 - ACT 1 = 2x4, STANDARD (ARMSTRONG "FINE FISSURED" OR SIM.)
ACT 2 = 2x4 W/ SCRUBBABLE FILM-FACING (ARMSTRONG "FINE FISSURED CERAMAGUARD" OR SIM.)
 - ALL WALL SURFACES IN KITCHEN AND KITCHEN-STORAGE SPACES SHALL BE FACED W/ FRP.
 - ROOMS NOTED AS HAVING "CONC" FLOOR SHALL HAVE STAINED EXPOSED CONCRETE SLAB W/ ADA SLIP-RESISTANT SURFACE.

PARTITION SCHEDULE				
TYPE	DESCRIPTION	RATING (HOURS)	UL DESIGN NO.	HEIGHT
1	6" 22gauge GALV. STL. STUDS @ 16"o.c. W/ 22gauge GALV. STL. TOP & BOTTOM TRACK. SECURE BOTTOM TRACK TO FLOOR SLAB W/ RAMSET FASTENERS @ 48"o.c. INSUL. W/ SOUND BATTS. 5/8" GWB EA. SIDE, SECURE TO STUDS W/ NO. 6 SCREWS @ 12"o.c. MAX. TAPE & FINISH ALL JOINTS. PAINT.	0 HOUR	N/A	9'-0"
2	3-5/8" 22gauge GALV. STL. STUDS @ 16"o.c. W/ 22gauge GALV. STL. TOP & BOTTOM TRACK. SECURE BOTTOM TRACK TO FLOOR SLAB W/ RAMSET FASTENERS @ 48"o.c. INSUL. W/ SOUND BATTS. 5/8" GWB EA. SIDE, SECURE TO STUDS W/ NO. 6 SCREWS @ 12"o.c. MAX. TAPE & FINISH ALL JOINTS. PAINT.	0 HOUR	N/A	9'-0"
3	3-5/8" 25gauge GALV. STL. STUDS @ 16"o.c. W/ 25gauge GALV. STL. TOP & BOTTOM TRACK. SECURE BOTTOM TRACK TO FLOOR SLAB W/ RAMSET FASTENERS @ 48"o.c. INSUL. W/ SOUND BATTS AROUND RESTROOMS ONLY. 5/8" GWB EA. SIDE, SECURE TO STUDS W/ NO. 6 SCREWS @ 12"o.c. MAX. TAPE & FINISH ALL JOINTS. PAINT EXPOSED GWB. FACE KITCHEN SIDE W/ FRP.	0 HOUR	N/A	6" ABOVE FIN. CLG.
4	3-5/8" 25gauge GALV. STL. STUDS @ 16"o.c. W/ 25gauge GALV. STL. TOP & BOTTOM TRACK. SECURE BOTTOM TRACK TO FLOOR SLAB W/ RAMSET FASTENERS @ 48"o.c. 5/8" GWB ON EXPOSED SIDES ONLY, SECURE TO STUDS W/ NO. 6 SCREWS @ 12"o.c. MAX. TAPE & FINISH ALL JOINTS. PAINT EXPOSED GWB.	0 HOUR	N/A	6" ABOVE FIN. CLG.
5	1-1/2" 20gauge GALV. STL. HAT CHANNELS @ 24"o.c. SECURED TO WALL GIRTS. 5/8" GWB ON EXPOSED SIDE ONLY, SECURE TO CHANNELS W/ NO. 6 SCREWS @ 12"o.c. MAX. TAPE & FINISH ALL JOINTS. FACE KITCHEN SIDE W/ FRP.	0 HOUR	N/A	UNDERSIDE OF ROOF DECK

- PARTITION NOTES:
- ALL STUDS EXTENDED TO UNDERSIDE OF ROOF STRUCTURE (DECK OR JOISTS) SHALL UTILIZE A DEFLECTION-TYPE TOP TRACK SYSTEM WHICH ALLOWS A MAXIMUM ROOF DEFLECTION OF 1".
 - ALL STUD WALLS NOT EXTENDED TO UNDERSIDE OF ROOF DECK AND TALLER THAN 8'-0" A.F.F. SHALL BE BRACED AT TOP AT ±4'-0"o.c. WITH EITHER STUD "KICKERS" OR STUDS EXTENDED UP TO ROOF STRUCTURE.





FOOD SERVICE EQUIPMENT SCHEDULE															
NO.	QTY.	DESCRIPTION	MANUFACTURER	MODEL NO.	HP	AMP	KW	VOLT	PHASE	CW	HW	WASTE	VENT	GAS	REMARKS
1	2	24"x8"x7'-7" WALK-IN COOLER FREEZER	NORLAKE	CUSTOM											EA 8'x12'
3	LOT	WALK-IN SHELVING PACKAGE	NDG												GRN EPX 10YR FIN
4	---	MOP AREA													
5	LOT	DRY STORAGE SHELVING	NDG												ZINC FINISH
6	1	120" THREE COMPARTMENT SINK, w/ (2) FAUCETS	ADVANCE	FC3242424RLX											
7	2	12"x48" WALL MOUNTED ALUM SHELF	NEW AGE	1126											
8	1	72" TWO COMPARTMENT VEG SINK, w/ (1) FAUCET	ADVANCE	FC2181818RLX											
9	4	S/S WALL MOUNT HAND SINK, COMPLETE	ADVANCE	7P550											
10	---	---													
11	1	30"x96" S/S TBL, w/ OVR HEAD S/S POT RACK	EAGLE	T3096SE											
12	1	DBL CONVENTION OVEN, GAS	U.S. RANGE	SDG-2											160,000 BTU
13	1	30"x48" S/S TABLE	EAGLE	T3048SEB-BS											
14	1	40 GAL TILTING SKILLET, GAS, w/ POWER TILT	CLEVELAND	SGL40TI											200,000 BTU
15	1	60" DBL OVN RNG, (6) TOP BURNERS/24" GRIDDLE	U.S. RANGE	SX624BG2626											206,000 BTU
16	1	SINGLE CONVENTION OVEN, GAS	U.S. RANGE	SDG-1											80,000 BTU
17	1	48" GROOVED GRIDDLE, GAS w/ STAND	U.S. RANGE	RGT24481											96,000BTU
18	2	HEAVY DUTY GAS STOCK POT RANGE	U.S. RANGE	SP-1844											
19	1	HOOD SYSTEM, w/ MAKE UP AIR, & FIRE SYSTEM	CUSTOM												18'x9'x2'
20	---	---													
21	1	TWO DOOR REACH IN REFRIGERATOR, w/ CASTERS	TRUE	T-49				120							
22	1	30"x96" S/S TABLE, w/ BACKSPLASH 7 (2) DRWRS	EAGLE	T3096SEBS											
23	1	30"x72" S/S TABLE, w/ 910 DRWR	EAGLE	T3072SEB											
24	4	MOBILE BUN PAN RACK, ALUM, (20) SHEET PANS	KELMARX	APRF2018											
25	1	20 QT. FLOOR MIXER	UNIVEX	SRMF20											
26	5	MOBILE FULL SIZE HOLDING CAB., PLEXI-GLASS DR.	METRO	C1750H4N				120							
27	2	78" FIVE WELL HOT FOOD SERVER, w/ DRAINS	EAGLE	DCSSHFUC											SNZ GRD/TRAY RL
28	1	30"x60" S/S TABLE	EAGLE	T3060SEB											
29	2	TRAY STAND, MOBILE, w/ (10) FLATWARE CONES	LAKESIDE	213											
30	---	---													
31	1	ICE MACHINE, 830 LBS PER DAY, AIR COOLED	MANITOWOC	SD-1002-A											48" 710 LB BIN
32	1	44" HIGH TEMP DISH MACHINE	ADS	ADG44											BOOSTER HEATER
33	1	S/S DISH TABLE PACKAGE	CUSTOM												
34	1	DISH MACHINE CONDENSATION HOOD	CUSTOM												OR PNT LEG EXST
35	1	103" THREE COMP. DISH SINK, w/ (2) FAUCETS													



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NEW DINING HALL FOR

CLAYTOR LAKE AQUATICS BASE

PULASKI, VIRGINIA

DRAWN BY RWP/ARW
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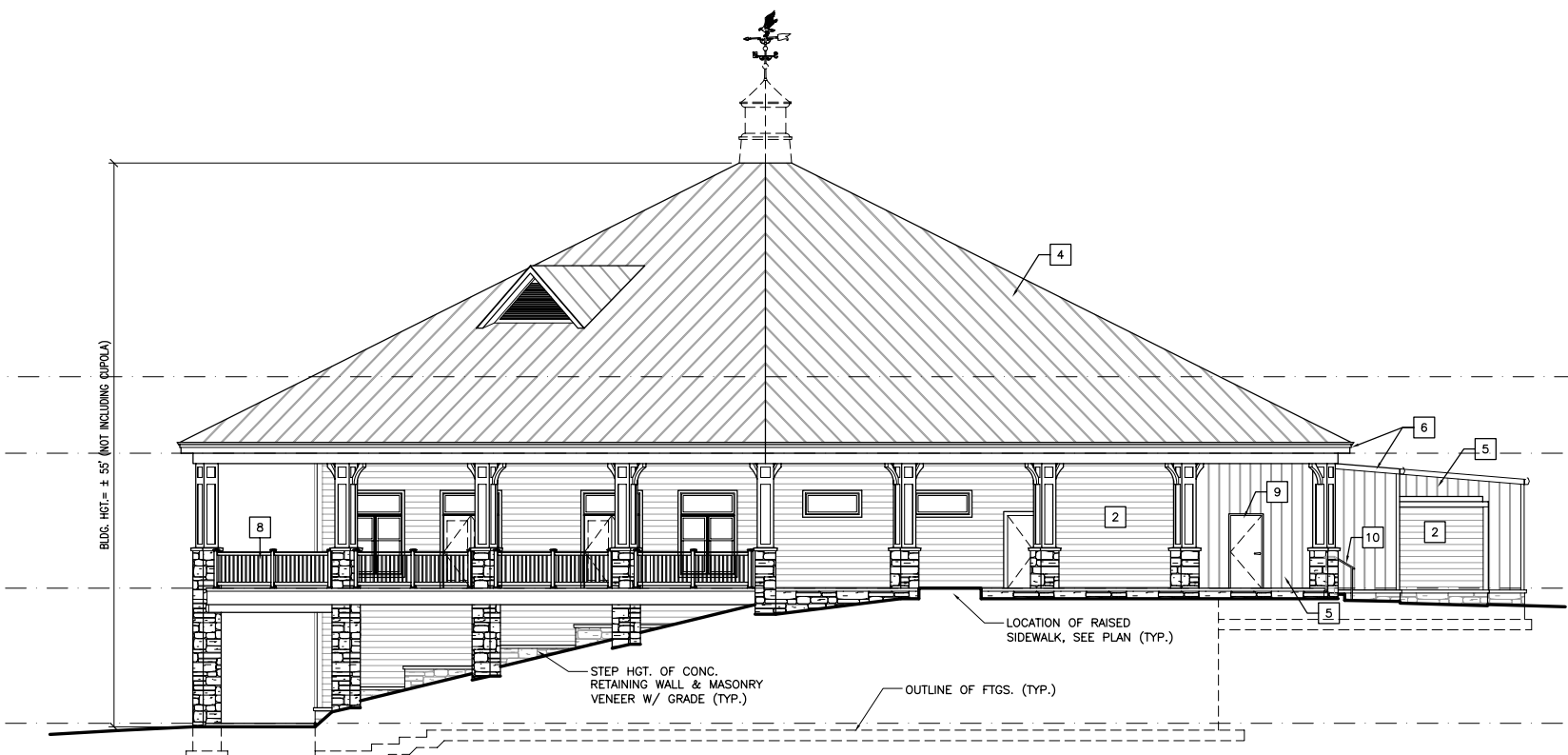
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SCALE AS NOTED
SHEET NO.

A1.3
MAIN LEVEL KITCHEN PLAN
JOB NO. B060007.00

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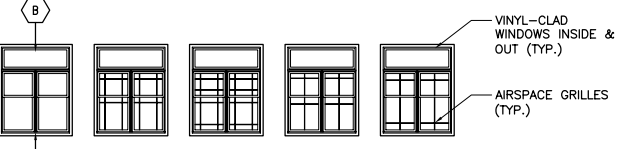
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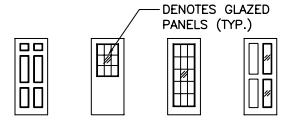
H1 WEST ELEVATION
A2.1 SCALE: 1/8"=1'-0"

EXTERIOR FINISH SCHEDULE				
	MATERIAL	MANUFACTURER	COLOR/MODEL #	FINISH/REMARKS
1	MASONRY VENEER	---	---	NOTE 3
2	CEMENTITIOUS SIDING	JAMES HARDIE	HARDIPLANK LAP SIDING	PAINTED
3	CEMENTITIOUS TRIM	JAMES HARDIE	HARDIPANEL/HARDITRIM	PAINTED
4	STANDING SEAM METAL ROOF	BIGBEE STEEL	GALVALUME	PREFIN., BY MTL. BLDG. MFR.
5	MTL. WALL PANELS	BIGBEE STEEL	SANDSTONE	PREFIN., BY MTL. BLDG. MFR.
6	MTL. EAVE/RAKE TRIM	BIGBEE STEEL	MEDIUM TAN	PREFIN., BY MTL. BLDG. MFR.
7	FLAT MTL. SOFFIT PANELS	BIGBEE STEEL	REFLECTIVE WHITE	PREFIN., BY MTL. BLDG. MFR.
8	GUARD RAILINGS	HOOVER FENCE CO.	OXFORD VINYL RAILING-WHITE	PREFIN., BY MTL. BLDG. MFR.
9	EXT. FLUSH STL. DOORS & FRAMES	---	---	PAINTED
10	STL. PIPE HANDRAILS	---	---	PAINTED (MATCH VINYL RAILING)
11				
12				

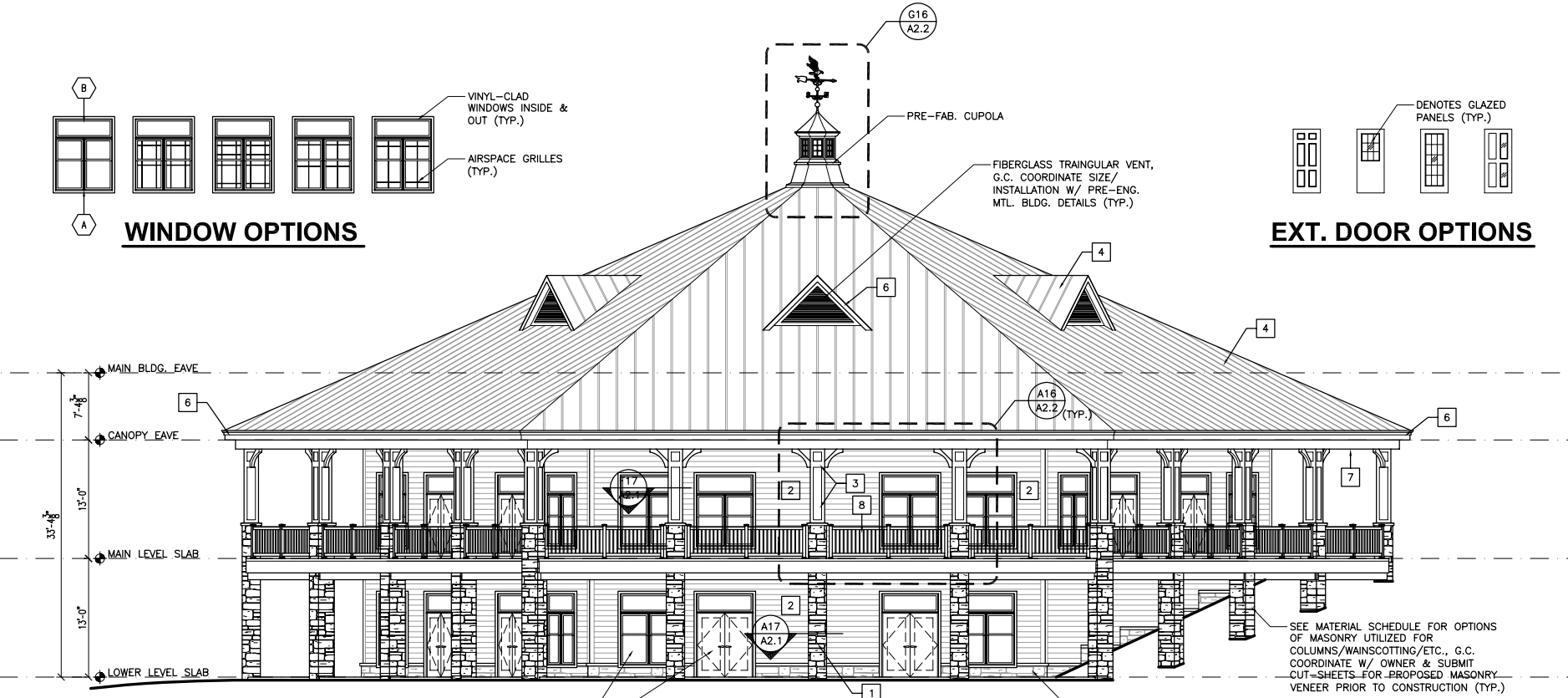
GENERAL EXTERIOR NOTES:
 1. PAINT ALL EXPOSED UTILITY JUNCTION BOXES/METERS & ASSOCIATED CONDUIT TO MATCH BLDG. MASONRY.
 2. SEALANTS USED IN MASONRY CONTROL JOINTS SHALL MATCH MASONRY COLORS; SEALANTS USED AROUND DOOR AND WINDOW OPENINGS SHALL MATCH DOOR OR WINDOW FRAMES.
 3. **MASONRY VENEER OPTIONS:**
 CONCRETE PRODUCT: SHOULDICE "ANTIQUE STONE" OR "BROD ROCK"- "CAMBRIA" COLOR
 MANUFACTURED STONE: OWENS-CORNING "CULTURED STONE-COBBLEFIELD"- "CHARDONNAY" COLOR
 ELDERADO STONE "LIMESTONE-BRIDGEPORT"
 NATURAL STONE: LUCK STONE "SHORELINE BUFF BUILDING STONE" OR SIMILAR



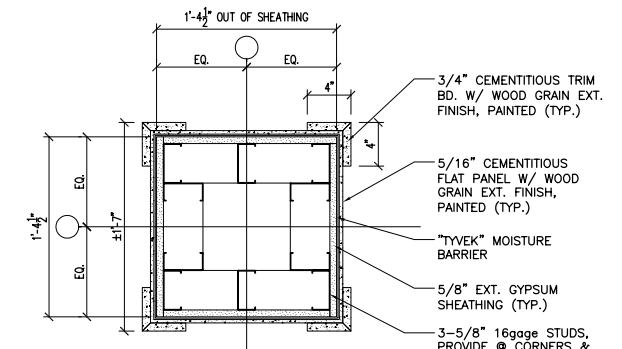
WINDOW OPTIONS



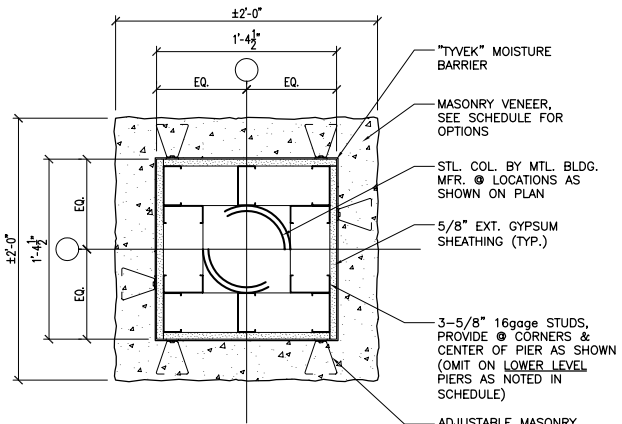
EXT. DOOR OPTIONS



A1 NORTH ELEVATION
A2.1 SCALE: 1/8"=1'-0"



F17 PIER DETAIL
A2.1 SCALE: 1-1/2"=1'-0"



A17 PIER DETAIL
A2.1 SCALE: 1-1/2"=1'-0"



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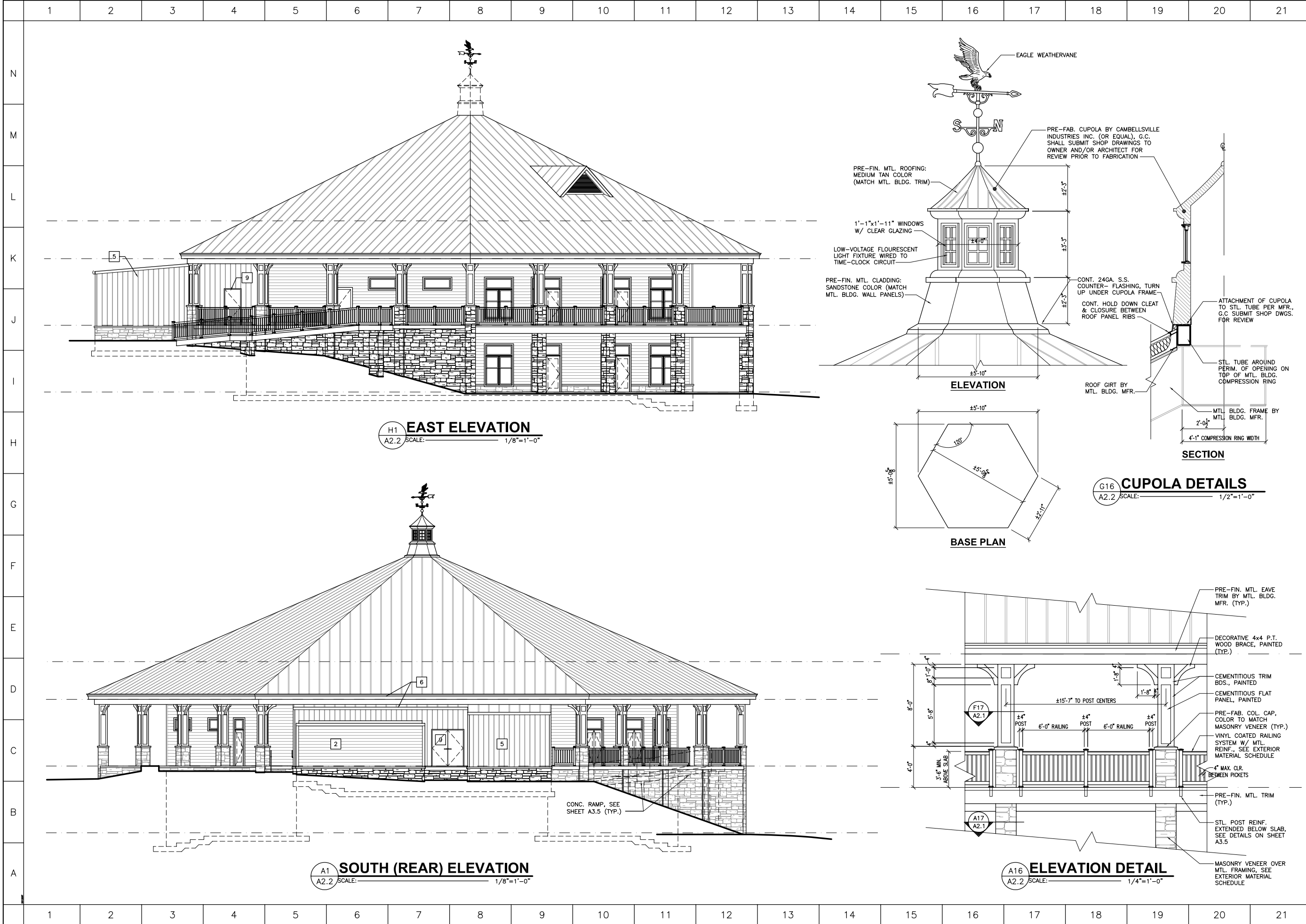
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SCALE AS NOTED
 SHEET NO.

A2.1
 EXTERIOR ELEVATIONS

JOB NO. B0600007.00

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21



H1 EAST ELEVATION
 A2.2 SCALE: 1/8"=1'-0"

A1 SOUTH (REAR) ELEVATION
 A2.2 SCALE: 1/8"=1'-0"

G16 CUPOLA DETAILS
 A2.2 SCALE: 1/2"=1'-0"

A16 ELEVATION DETAIL
 A2.2 SCALE: 1/4"=1'-0"



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NEW DINING
 HALL
 FOR

**CLAYTOR
 LAKE
 AQUATICS
 BASE**

PULASKI, VIRGINIA

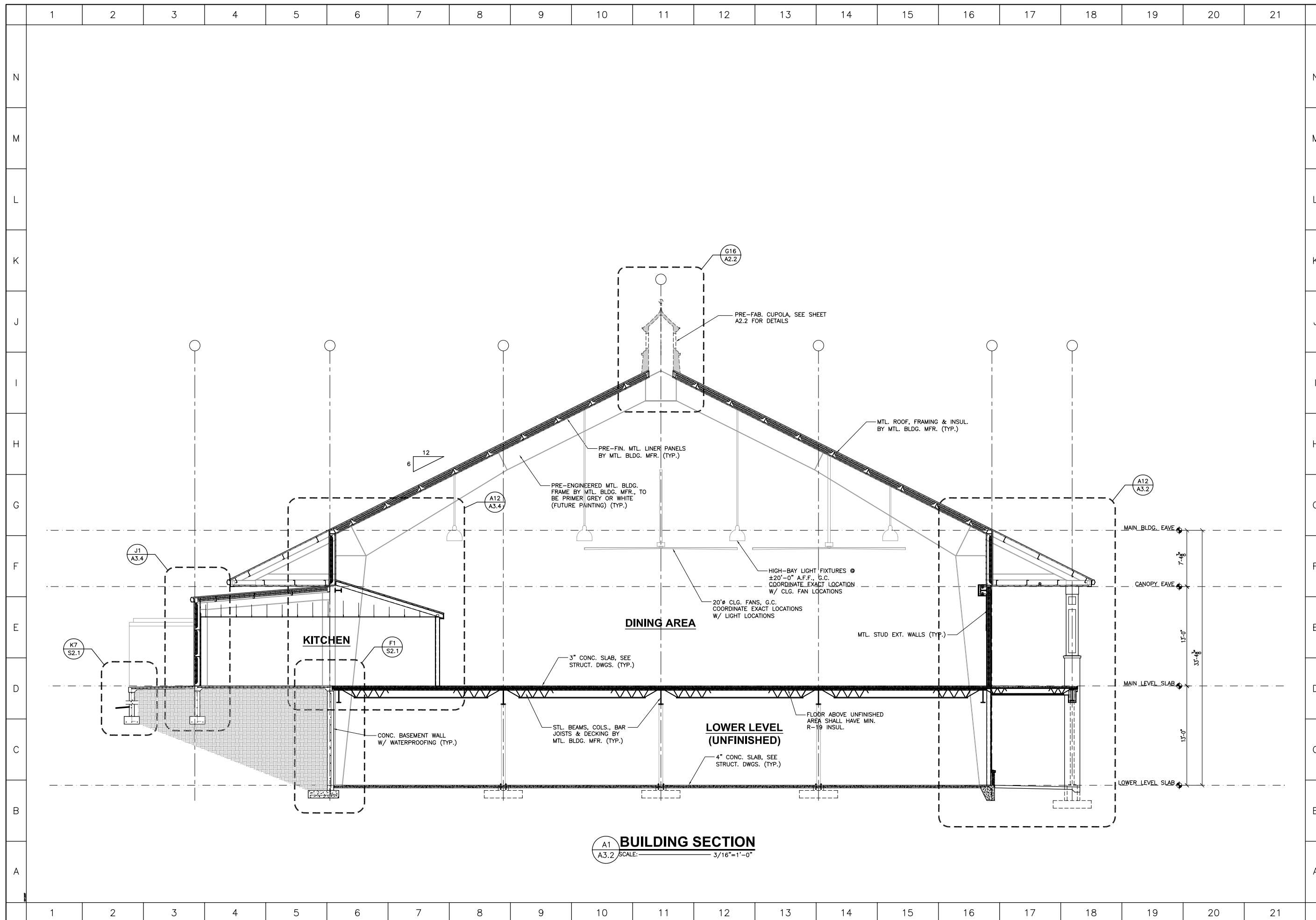
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SCALE AS NOTED
 SHEET NO.

A2.2
 EXTERIOR ELEVATIONS

JOB NO. B0600007.00



A1 BUILDING SECTION
 A3.2 SCALE: 3/16"=1'-0"



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NEW DINING
 HALL
 FOR

CLAYTOR
 LAKE
 AQUATICS
 BASE

PULASKI, VIRGINIA

DRAWN BY RWP/ARW

DESIGNED BY BDM/ARW

CHECKED BY

DATE 11/10/06

REVISIONS

01/12/07

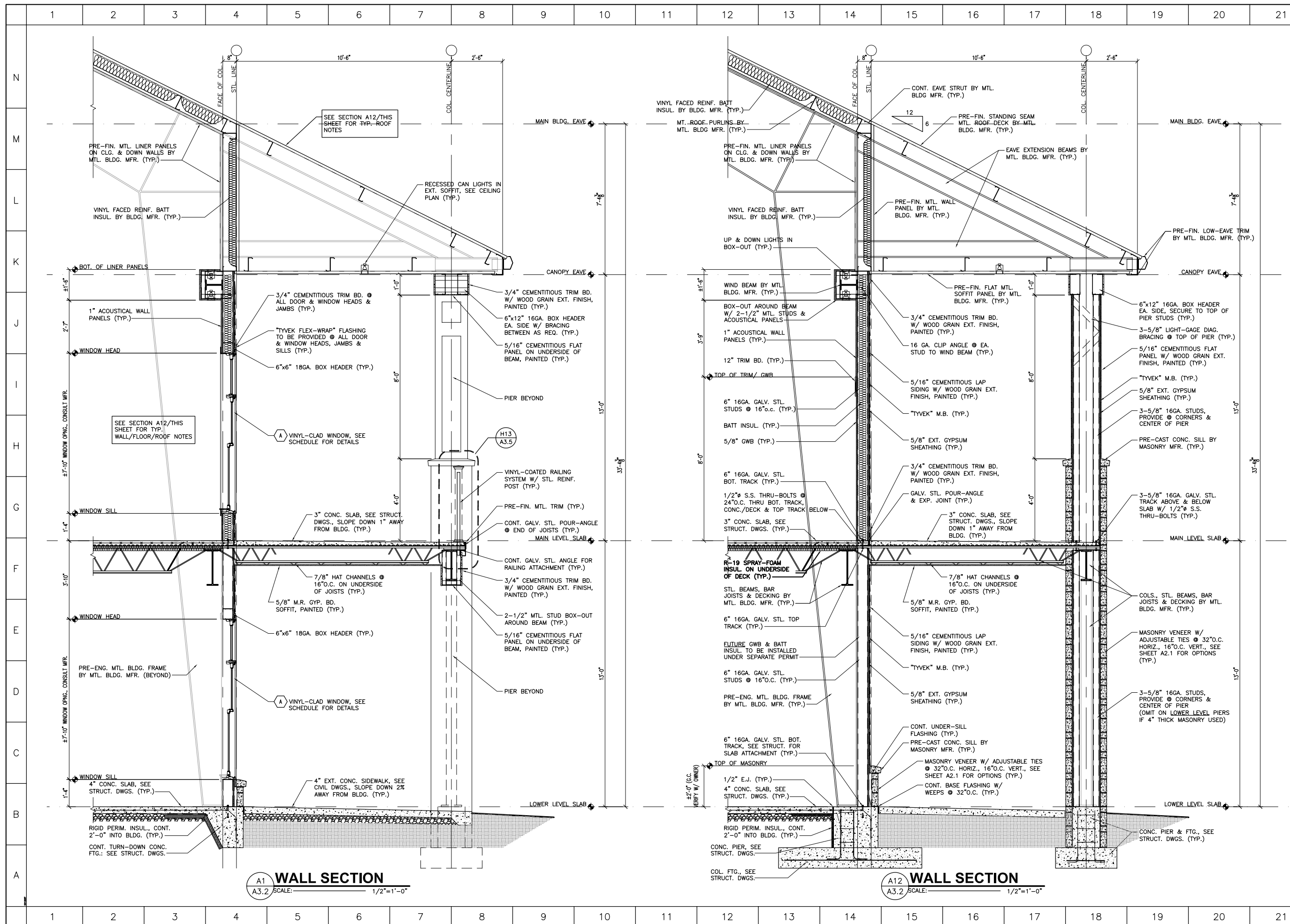
SCALE AS NOTED

SHEET NO.

A3.1

BUILDING SECTION

JOB NO. B0600007.00



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NEW DINING
HALL
FOR

CLAYTOR
LAKE
AQUATICS
BASE

PULASKI, VIRGINIA

DRAWN BY RWP/ARW
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DATE 11/10/06

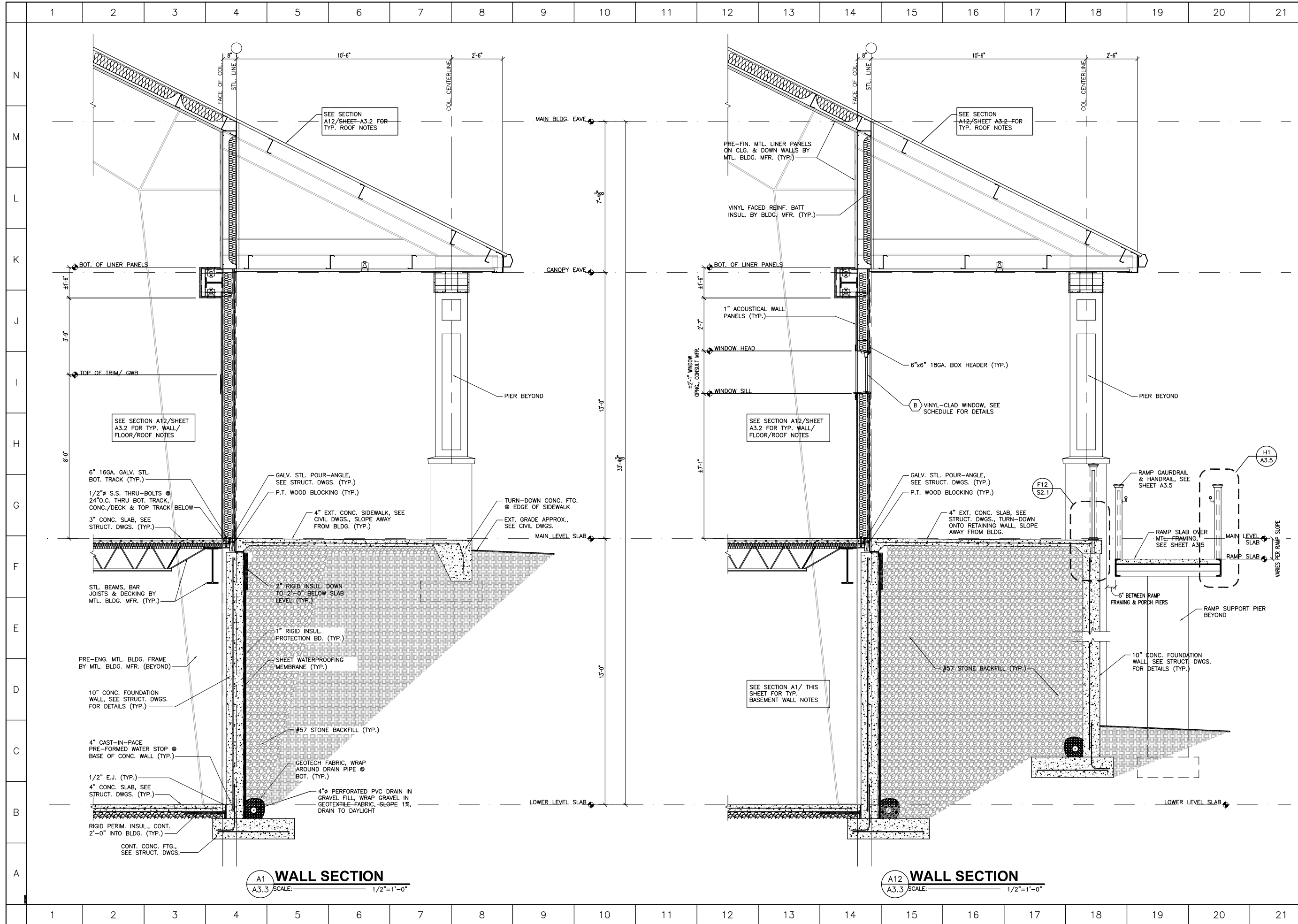
REVISIONS

01/12/07

SCALE AS NOTED
SHEET NO.

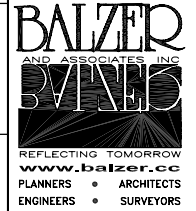
A3.2
WALL SECTIONS

JOB NO. B0600007.00



A1 WALL SECTION
 A3.3 SCALE: 1/2"=1'-0"

A12 WALL SECTION
 A3.3 SCALE: 1/2"=1'-0"



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NEW DINING
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**CLAYTOR
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 BASE**

PULASKI, VIRGINIA

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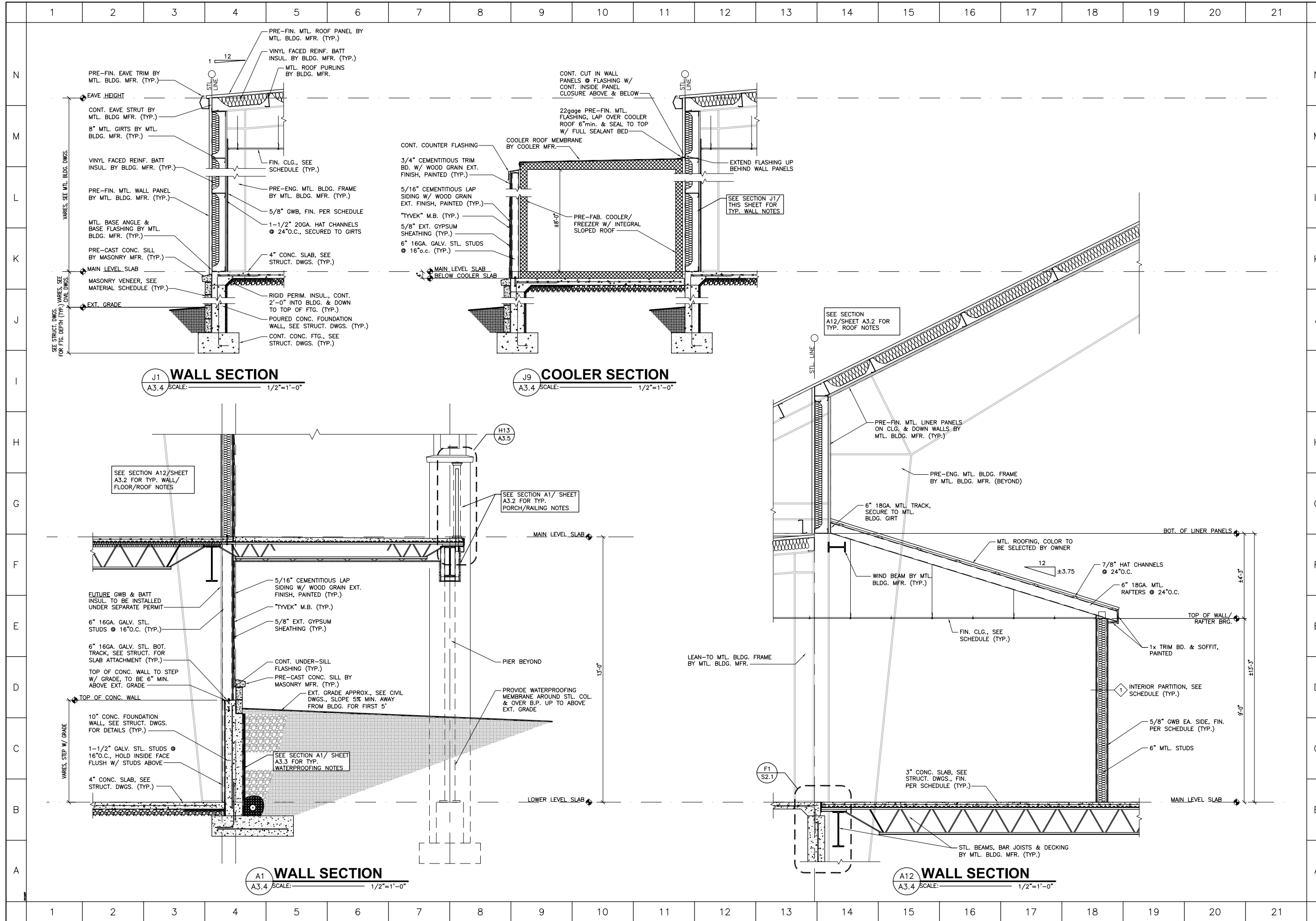
REVISIONS

① 01/12/07

SCALE AS NOTED
 SHEET NO.

A3.3
 WALL SECTIONS

JOB NO. B0600007.00



J1 WALL SECTION
A3.4 SCALE: 1/2"=1'-0"

J9 COOLER SECTION
A3.4 SCALE: 1/2"=1'-0"

A1 WALL SECTION
A3.4 SCALE: 1/2"=1'-0"

A12 WALL SECTION
A3.4 SCALE: 1/2"=1'-0"



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NEW DINING
HALL
FOR

CLAYTOR
LAKE
AQUATICS
BASE

PULASKI, VIRGINIA

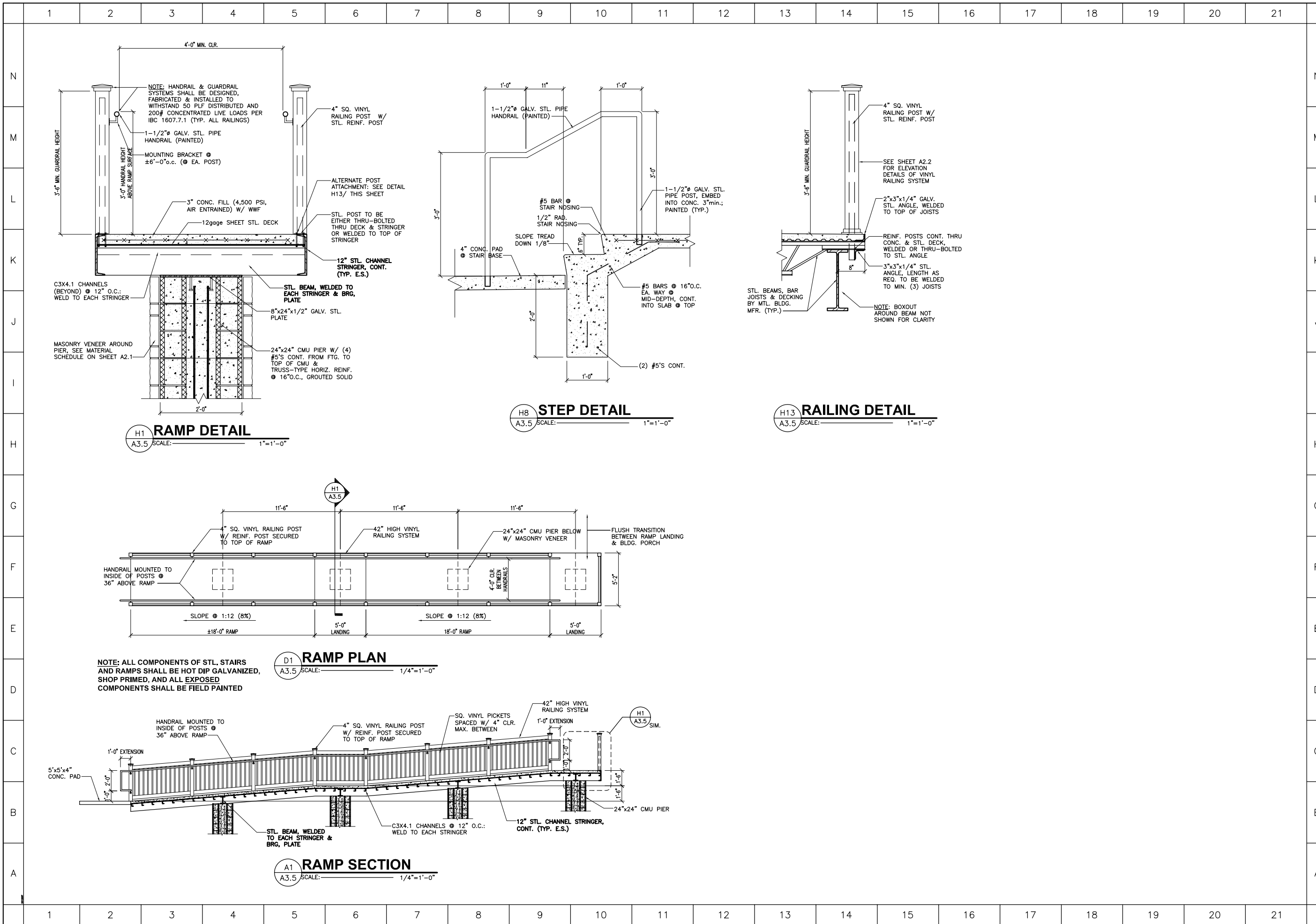
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DATE 11/10/06

REVISIONS
2 01/12/07

SCALE AS NOTED
SHEET NO.

A3.4
WALL SECTIONS

JOB NO. B0600007.00



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NEW DINING
HALL
FOR

CLAYTOR
LAKE
AQUATICS
BASE

PULASKI, VIRGINIA

DRAWN BY RWP/ARW
DESIGNED BY BDM/ARW
CHECKED BY _____
DATE 11/10/06

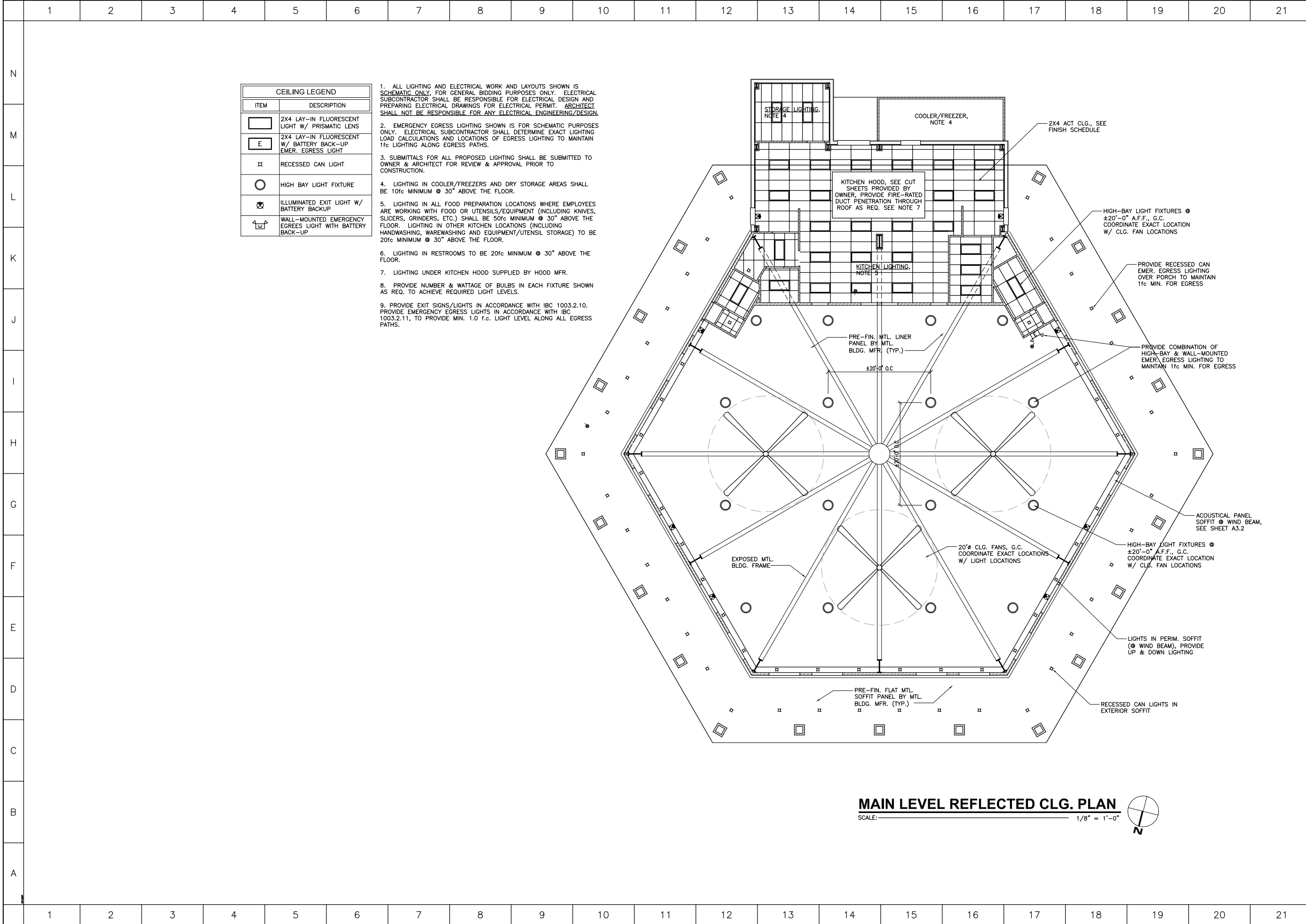
REVISIONS

2 01/12/07

SCALE AS NOTED
SHEET NO.

A3.5

STAIR, RAMP &
RAILING DETAILS
JOB NO. B0600007.00



CEILING LEGEND	
ITEM	DESCRIPTION
	2X4 LAY-IN FLUORESCENT LIGHT W/ PRISMATIC LENS
	2X4 LAY-IN FLUORESCENT W/ BATTERY BACK-UP EMER. EGRESS LIGHT
	RECESSED CAN LIGHT
	HIGH BAY LIGHT FIXTURE
	ILLUMINATED EXIT LIGHT W/ BATTERY BACKUP
	WALL-MOUNTED EMERGENCY EGRES LIGHT WITH BATTERY BACK-UP

- ALL LIGHTING AND ELECTRICAL WORK AND LAYOUTS SHOWN IS SCHEMATIC ONLY. FOR GENERAL BIDDING PURPOSES ONLY. ELECTRICAL SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ELECTRICAL DESIGN AND PREPARING ELECTRICAL DRAWINGS FOR ELECTRICAL PERMIT. ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY ELECTRICAL ENGINEERING/DESIGN.
- EMERGENCY EGRES LIGHTING SHOWN IS FOR SCHEMATIC PURPOSES ONLY. ELECTRICAL SUBCONTRACTOR SHALL DETERMINE EXACT LIGHTING LOAD CALCULATIONS AND LOCATIONS OF EGRES LIGHTING TO MAINTAIN 1fc LIGHTING ALONG EGRES PATHS.
- SUBMITTALS FOR ALL PROPOSED LIGHTING SHALL BE SUBMITTED TO OWNER & ARCHITECT FOR REVIEW & APPROVAL PRIOR TO CONSTRUCTION.
- LIGHTING IN COOLER/FREEZERS AND DRY STORAGE AREAS SHALL BE 10fc MINIMUM @ 30" ABOVE THE FLOOR.
- LIGHTING IN ALL FOOD PREPARATION LOCATIONS WHERE EMPLOYEES ARE WORKING WITH FOOD OR UTENSILS/EQUIPMENT (INCLUDING KNIVES, SLICERS, GRINDERS, ETC.) SHALL BE 50fc MINIMUM @ 30" ABOVE THE FLOOR. LIGHTING IN OTHER KITCHEN LOCATIONS (INCLUDING HANDWASHING, WAREWASHING AND EQUIPMENT/UTENSIL STORAGE) TO BE 20fc MINIMUM @ 30" ABOVE THE FLOOR.
- LIGHTING IN RESTROOMS TO BE 20fc MINIMUM @ 30" ABOVE THE FLOOR.
- LIGHTING UNDER KITCHEN HOOD SUPPLIED BY HOOD MFR.
- PROVIDE NUMBER & WATTAGE OF BULBS IN EACH FIXTURE SHOWN AS REQ. TO ACHIEVE REQUIRED LIGHT LEVELS.
- PROVIDE EXIT SIGNS/LIGHTS IN ACCORDANCE WITH IBC 1003.2.10. PROVIDE EMERGENCY EGRES LIGHTS IN ACCORDANCE WITH IBC 1003.2.11, TO PROVIDE MIN. 1.0 f.c. LIGHT LEVEL ALONG ALL EGRES PATHS.

MAIN LEVEL REFLECTED CLG. PLAN
 SCALE: 1/8" = 1'-0"



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NEW DINING HALL FOR

CLAYTOR LAKE AQUATICS BASE

PULASKI, VIRGINIA

DRAWN BY RWP/ARW
 DESIGNED BY BDM/ARW
 CHECKED BY _____
 DATE 11/10/06

REVISIONS

2 01/12/07

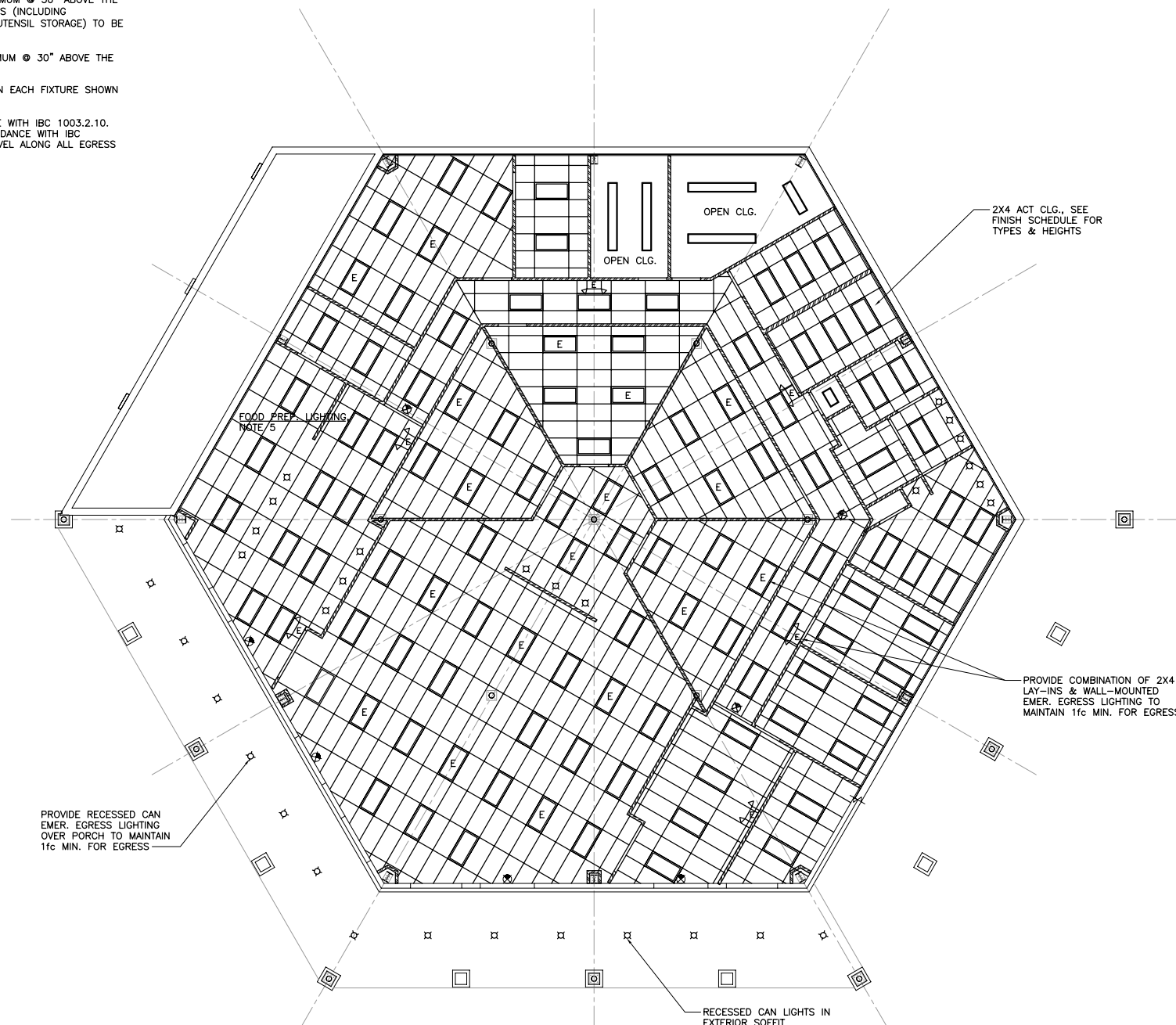
SCALE AS NOTED
 SHEET NO.

A5.1
 MAIN LEVEL REFLECTED CEILING PLAN
 JOB NO. B0600007.00

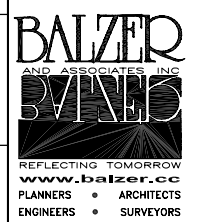
**PRELIMINARY:
NOT FOR CONSTRUCTION**

CEILING LEGEND	
ITEM	DESCRIPTION
	2X4 LAY-IN FLUORESCENT LIGHT W/ PRISMATIC LENS
	2X4 LAY-IN FLUORESCENT W/ BATTERY BACK-UP EMER. EGRESS LIGHT
	RECESSED CAN LIGHT
	HIGH BAY LIGHT FIXTURE
	ILLUMINATED EXIT LIGHT W/ BATTERY BACKUP
	WALL-MOUNTED EMERGENCY EGRESS LIGHT WITH BATTERY BACK-UP
	FLUORESCENT STRIP FIXTURES

- ALL LIGHTING AND ELECTRICAL WORK AND LAYOUTS SHOWN IS SCHEMATIC ONLY. FOR GENERAL BIDDING PURPOSES ONLY. ELECTRICAL SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ELECTRICAL DESIGN AND PREPARING ELECTRICAL DRAWINGS FOR ELECTRICAL PERMIT. ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY ELECTRICAL ENGINEERING/DESIGN.
- EMERGENCY EGRESS LIGHTING SHOWN IS FOR SCHEMATIC PURPOSES ONLY. ELECTRICAL SUBCONTRACTOR SHALL DETERMINE EXACT LIGHTING LOAD CALCULATIONS AND LOCATIONS OF EGRESS LIGHTING TO MAINTAIN 1fc LIGHTING ALONG EGRESS PATHS.
- SUBMITTALS FOR ALL PROPOSED LIGHTING SHALL BE SUBMITTED TO OWNER & ARCHITECT FOR REVIEW & APPROVAL PRIOR TO CONSTRUCTION.
- LIGHTING IN COOLER/FREEZERS AND DRY STORAGE AREAS SHALL BE 10fc MINIMUM @ 30" ABOVE THE FLOOR.
- LIGHTING IN ALL FOOD PREPARATION LOCATIONS WHERE EMPLOYEES ARE WORKING WITH FOOD OR UTENSILS/EQUIPMENT (INCLUDING KNIVES, SLICERS, GRINDERS, ETC.) SHALL BE 50fc MINIMUM @ 30" ABOVE THE FLOOR. LIGHTING IN OTHER KITCHEN LOCATIONS (INCLUDING HANDWASHING, WAREWASHING AND EQUIPMENT/UTENSIL STORAGE) TO BE 20fc MINIMUM @ 30" ABOVE THE FLOOR.
- LIGHTING IN RESTROOMS TO BE 20fc MINIMUM @ 30" ABOVE THE FLOOR.
- PROVIDE NUMBER & WATTAGE OF BULBS IN EACH FIXTURE SHOWN AS REQ. TO ACHIEVE REQUIRED LIGHT LEVELS.
- PROVIDE EXIT SIGNS/LIGHTS IN ACCORDANCE WITH IBC 1003.2.10. PROVIDE EMERGENCY EGRESS LIGHTS IN ACCORDANCE WITH IBC 1003.2.11, TO PROVIDE MIN. 1.0 f.c. LIGHT LEVEL ALONG ALL EGRESS PATHS.



LOWER LEVEL CEILING PLAN
SCALE: 1/8" = 1'-0"



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DINING HALL
LOWER LEVEL
BUILDOUT

**CLAYTOR LAKE
AQUATICS
BASE**

4100 ADVENTURE BASE RD
PULASKI, VIRGINIA

DRAWN BY RWP
DESIGNED BY RWP
CHECKED BY _____
DATE 01/22/07

REVISIONS

SCALE AS NOTED
SHEET NO.

A6.3

LOWER LEVEL
REFLECTED CEILING PLAN
JOB NO. B0600007.01