

GENERAL:

- 1. PROVIDE CONSTRUCTION CONFORMING TO THE 2015 INTERNATIONAL BUILDING CODE... MATERIAL TESTS AND INSPECTIONS ARE REQUIRED PER CHAPTER 17 OF THE 2015 INTERNATIONAL BUILDING CODE... COORDINATE THE BUILDING ORIENTATION WITH THE ARCHITECTURAL DRAWINGS...

FOUNDATION:

- 1. THE DESIGN OF FOUNDATIONS, RETAINING WALLS, AND SLABS-ON-GRADE IS BASED ON THE DESIGN CRITERIA ESTABLISHED IN THE GEOTECHNICAL REPORT... COORDINATE TOP OF FOOTING ELEVATIONS WITH THE REQUIREMENTS OF OTHER TRADES... REMOVE ALL UNSUITABLE SOILS AND REPLACE WITH CLEAN STRUCTURAL FILL...

REINFORCED CONCRETE:

- 1. PROVIDE REINFORCED CONCRETE CONFORMING TO THE FOLLOWING STANDARDS... ACI 301-10, SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS... FULLY DOCUMENT AND SUBMIT FOR REVIEW THE PROPOSED MATERIALS AND MIX DESIGN FOR ALL CONCRETE... PROVIDE WELDED WIRE REINFORCEMENT (W.W.R.) IN FLAT SLABS...

- 2. INSTALL THE WATERSTOP MATERIAL IN STRICT CONFORMANCE WITH THE MANUFACTURER'S WRITTEN OR PUBLISHED INSTRUCTIONS... UNLESS NOTED OTHERWISE, PROVIDE THE FOLLOWING CONCRETE COVER ON ALL REINFORCING STEEL... PROVIDE CONTINUOUS REINFORCEMENT WHEREVER POSSIBLE... CONTRACTOR JOINTS AND WALLS JOINTS UTILIZING THE DRY CUT (SOFF-CUT) METHOD...

- 1. PROVIDE STRUCTURAL MASONRY CONFORMING TO THE FOLLOWING STANDARDS... PROVIDE CURTAIN WALL FRAMING INSTALLATION TO ACCOMMODATE VERTICAL DISPLACEMENT OF THE PRIMARY STRUCTURE... PROVIDE STEEL REINFORCEMENT IN MASONRY WALLS CONFORMING TO ASTM A615, GRADE 60... PROVIDE WELDED WIRE REINFORCEMENT (W.W.R.) IN FLAT SLABS...

- 1. PROVIDE COLD-FORMED METAL FRAMING CONFORMING WITH THE FOLLOWING STANDARDS... PROVIDE CURTAIN WALL FRAMING INSTALLATION TO ACCOMMODATE VERTICAL DISPLACEMENT OF THE PRIMARY STRUCTURE... PROVIDE STEEL REINFORCEMENT IN MASONRY WALLS CONFORMING TO ASTM A615, GRADE 60... PROVIDE WELDED WIRE REINFORCEMENT (W.W.R.) IN FLAT SLABS...

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- 1. LIVE LOADS: UNIFORM = 100 PSF ON STAIR TREADS, CONCENTRATED = 300 LB. ON AREA OF 4 SQUARE INCHES... WIND DESIGN DATA: ULTIMATE WIND SPEED, V<sub>ULT</sub> = 115 MPH, NOMINAL DESIGN WIND SPEED, V<sub>ASD</sub> = 90 MPH... ROOF SNOW LOADING: GROUND SNOW LOAD (P<sub>g</sub>) = 3 PSF, FLAT ROOF SNOW LOAD (P<sub>f</sub>) = 0... SEISMIC DESIGN DATA: RISK CATEGORY = II, SEISMIC IMPORTANCE FACTOR (I<sub>s</sub>) = 1.0...

- 1. CONTRACTOR REVIEW THE EXISTING STRUCTURAL DRAWINGS AND UNDERTAKE TO LOCATE THE POSITION OF MATERIAL EMBEDDED IN THE CONCRETE AT THE LOCATIONS OF THE DETAILED ANCHORS... PROVIDE CALCULATIONS THAT DEMONSTRATE THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING EQUIVALENT PERFORMANCE VALUES... EVALUATION OF SUBSTITUTIONS SHALL BE BASED ON THE FOLLOWING: SEISMIC USE, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS...

- 1. HILTI HIT-BOLT-TZ EXPANSION ANCHORS (ICC ESR-1917) 2. HILTI KWIK-HUS-EZ AND KWIK-HUS-EZ-1 SCREW ANCHORS (ICC ESR-3027) 3. SIMPSON STRONG-TIE "TITEN-HD" (ICC-ES ESR-2713) 4. SIMPSON STRONG-TIE "SET-XP" (ICC-ES ESR-3037) 5. DEWALT "AC100 + GOLD" (ICC-ES ESR 2502) 6. DEWALT "SCREW-BOLT + I" (ICC-ES ESR 3889) HEAVY DUTY MECHANICAL ANCHORS FOR CRACKED AND UN-CRACKED CONCRETE USE: 1. HILTI "HIT-HY 200" SAFE SET SYSTEM WITH HILTI HIT-Z ROD (ICC-ES ESR-3187) 2. HILTI "HIT-RE 500-V3" EPOXY ADHESIVE ANCHORING SYSTEM WITH HAS-E THREADED ROD (ICC-ES ESR-3814) FOR LOW CURE APPLICATIONS...

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- 1. MECHANICAL AND CONCRETE SCREW ANCHORS FOR USE IN SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC01 OR AC106, RESPECTIVELY... 2. HILTI "HIT-HY 70" MASONRY ADHESIVE ANCHORING SYSTEM (ICC-ES ESR PENDING) 3. DEWALT "AC100 + GOLD" (ICC-ES ESR 3200) 4. PROVIDE STEEL ANCHOR ELEMENT CONSISTING OF CONTINUOUSLY THREADED ROD CONFORMING TO ASTM, A36 OR ASTM F 1554, GRADE 36...

- 1. CURTAIN WALL / STOREFRONT SYSTEM: CURTAIN WALL/STOREFRONT SYSTEMS SHALL BE DESIGNED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRINCIPLES AND APPLICABLE BUILDING CODES... PROVIDE VERTICAL SLIP CONNECTIONS AT TOPS OF ALL CURTAIN WALLS/STOREFRONT SYSTEMS THAT CAN ACCOMMODATE 1/4" VERTICAL DEFLECTION OF STRUCTURE.

Table with columns for Design Loads (LIVE LOADS, WIND DESIGN DATA, ROOF SNOW LOADING, SEISMIC DESIGN DATA) and corresponding values (UNIFORM, CONCENTRATED, etc.).

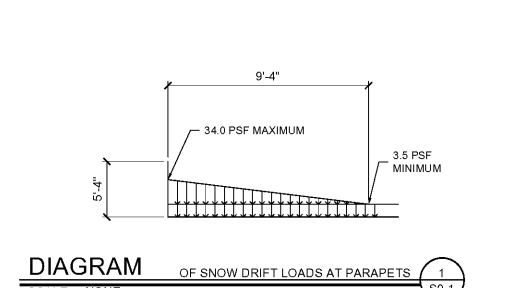
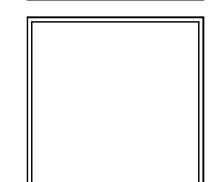
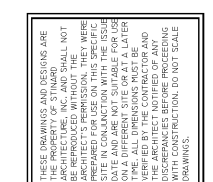
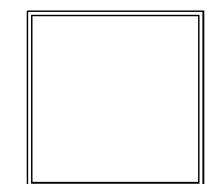
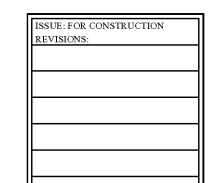
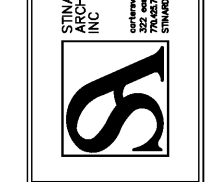
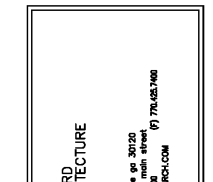
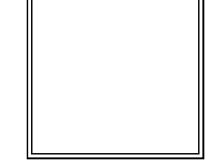


DIAGRAM OF SNOW DRIFT LOAD AT PARAPETS



Life Storage #354  
2020 South College St  
Auburn, AL 36822



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