

GENERAL NOTES

- 1. These notes complement the drawings and should not be considered inclusive of all items.
2. Where a detail is shown for one condition, it shall apply for all like or similar conditions, even though not specifically shown on the drawings.
3. The contractor is responsible for means, methods, and sequences of construction to meet the requirements of the construction documents.

SUBMITTALS

- 1. All submittals shall be submitted to the architect for approval prior to work.
2. The contractor shall review all shop drawings prior to submittal to the architect and/or engineer for review of general compliance, dimensions, and quantity.
3. Contractor is not relieved of any requirements of the contract documents by virtue of the structural engineer's review of shop drawings, product data, etc., unless the contractor has clearly and explicitly informed the structural engineer in writing of any deviations or substitutions at time of submission, and the structural engineer has given written approval for the specific deviations or substitutions.

APPLICABLE CODES FOR DESIGN:

- 1. International Building Code: 2018 IBC with Ga. Amendments (2020)

CLASSIFICATION OF BUILDING FOR RISK:

- 1. Risk category: II
2. Seismic factor, Ie = 1.0
3. Snow factor, Is = 1.0

DESIGN LOADS:

- 1. DEAD LOAD
A. Roof: 15 psf
B. Second Floor: 50 psf
2. ROOF LIVE LOAD: 20 psf & 300 lbs. (not concurrent)
3. FLOOR LIVE LOAD
A. 1st Floor: 100 psf & 2000 lbs. (not concurrent)
B. Framed Floors
a. Office Area: 65 psf (includes partition load)
b. Corridors: 80 psf
c. Stairs: 100 psf & 300 lbs. (not concurrent)
C. Live loads have been reduced as allowed the 2018 IBC.

FOUNDATIONS:

- 1. All foundations to be supported on suitable bearing material as determined by the owner's on-site geotechnical representative. Notify the architect/engineer immediately if suitable bearing material cannot be obtained, prior to installing foundations.
2. Sub-grade shall be compacted to 98% of standard proctor (ASTM 695,) unless a site-specific geotechnical report recommends otherwise.
3. If after excavation, the condition of the soil indicates a safe bearing capacity of less than 2000 psf, the architect/engineer shall be notified prior to placement of any foundation.

CONCRETE & REINFORCING:

- 1. Construction of control joints shall be provided in floor slabs on grade such that the maximum span between joints is 16.0 ft., or as shown on the drawings.
2. Interior slabs-on-grade shall have a 10-mil polyethylene vapor retarder placed between the bottom of slab and sub-base. The vapor retarder joints shall be lapped at least 6 inches and taped.
3. Provide #4 bar x 4'-0" long at the mid-depth of slab at all re-entrant corners and at all discontinuous control joints in a slab-on-grade.
4. All bar splices shall be at a minimum the following lengths (unless noted otherwise on the drawings): 36" for #6 bars, 30" for #5 bars, and 24" for #4 bars. Welded lap splices are not allowed. Mechanical couplers can be used instead of lap splices; mechanical coupler product data must be submitted to SEOR for approval.

CONCRETE MASONRY WALLS:

- 1. The design compressive strength, fm, is 1500 psi.
2. GROUT for masonry fill shall have a minimum compressive strength of 2000 psi @ 28 days. Comply with ASTM c476-02, with proportions by volume of 1-part portland cement to 2 1/4 to 3 parts fine aggregate. Grout slump should be 8 to 11 inches.
3. All masonry walls shall have horizontal joint reinforcement at 16" o.c. joint reinforcement shall be galvanized, w/1.7 (9 ga.), and ladder or truss-type. Brick shall be anchored to cmu backing with a 3-wire type joint reinforcement or pintle hook & eye type joint reinforcing system (wire-bond series 900 truss level-eye, or equal).

STRUCTURAL STEEL:

- 1. Structural steel shall be fabricated by a qualified fabricator who participates in the AISC certification program and is designated as an AISC certified plant, category (C) at the time of bid.
2. Structural steel shall be erected by a qualified installer who participates in the AISC certification program and is designated as an AISC "certified erector, category (CSE) at the time of bid.
3. Comply with applicable provisions of AISC's "Code of Standard Practice For Steel Buildings And Bridges."
4. All wide flange shapes shall be ASTM A992 (Fy=50 ksi.)

METAL DECK:

- 1. Roof metal deck shall be 1-1/2", 22 ga., wide rib with Fy = 33 ksi (unless noted otherwise on the structural drawings.) See plans for attachment requirements. Roof metal deck shall receive one shop coat of primer on the top & bottom surfaces.
2. Non-composite form metal deck shall be 0.6c, 22 ga. Form deck. With Fy = 60 ksi (unless noted otherwise on the structural drawings.) See plans for attachment requirements. Form deck shall be G60 galvanized.
3. Attachments to main supporting members and perimeter connections shall be made using 5/8" puddle welds at the pattern indicated on the plans.

Bar joists:

- 1. Joist manufacturer is to check the adequacy of the joist design and bridging system and modify system as required for a net uplift based on the wind pressure plan on drawing S001. The wind loads provided on the wind pressure plan are ultimate and shall be multiplied by 0.6 for the net uplift load combination, and they shall be combined with a dead load of 6 psf (0.6 lb/ft²) net uplift shall be = 0.6psf + 6psf.
2. In steel framing, where bar joists are used, and columns are not framed in two directions, the bar joist at or closest to the column shall be bolted to provide lateral stability during erection. This same joist at the column shall have a stabilizer plate located at the bottom chord (do not weld bottom chord to stabilizer plate), the stabilizer plate shall have a guying hole to assist in lateral stability of the framing during erection.
4. Where point loads in excess of 1000 lbs are applied to either top or bottom chord, and are not within 6 inches of a panel point, a L2x2x1/8 angle (strut) shall be welded between the point load and opposite chord panel point to transfer the load.

Cold-formed steel stud framing:

- 1. All cold-formed steel stud framing shall be manufactured by a current member of the steel stud manufacturer's association (SSMA.)
2. All structural members shall have a minimum thickness of 43 mils (18 ga) and a minimum flange width of 1-5/8", unless otherwise noted on the plans.
3. Top and bottom tracks shall be at least the same gauge as the attached studs.
4. All stud walls, if not sheathed on both sides, shall have bridging at a minimum of 48" on-center.
5. All studs shall be full length. Splices of studs are not permitted unless shown on the structural drawings.
6. Interior stud walls shall be laterally braced to the structure at a minimum of 48" on-center. A deflection track must be used at the top if attached directly to the structure.
7. Exterior walls shall be attached to the structure as detailed on the structural plans.

CONSTRUCTION TESTING:

- 1. It is the responsibility of the contractor to schedule the required testing with a third-party testing agency.
2. Concrete:
1. Test composite samples of fresh concrete obtained according to ASTM C 172.
2. Testing frequency, one composite sample for each 100 cu yd or fraction thereof of each concrete mixture placed each day.
3. Slump: ASTM C143, one test at point of placement for each composite sample, but not less than one test for each day's pour of each concrete mixture.
4. Air content: ASTM C231 pressure method, for normal-weight concrete; ASTM C173 volumetric method, for lightweight concrete. One test for each composite sample, but not less than one test for each day's pour of each concrete mixture.
5. Concrete temperature: ASTM C1064, one test hourly when air temperature is 40 degrees f and below or 80 degrees f and above, and one test for each composite sample.

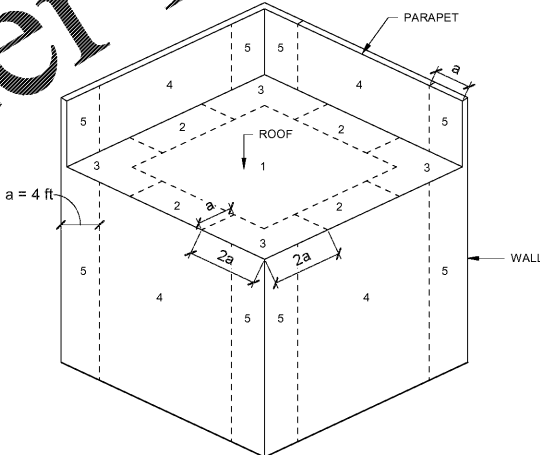
SPECIAL INSPECTIONS:

- 1. Special inspection reports and a final report in accordance with Section 1704.2.4 shall be submitted to the building official prior to the time that phase of the work is begun for occupancy. Special inspection reports and a final report in accordance with Section 1704.2.4 shall be submitted to the building official prior to the time that phase of the work is approved for occupancy.
2. Refer to separate documentation for the statement of special inspections and the schedule of special inspections.

ABBREVIATIONS

Table with 2 columns: Abbreviation and Full Name. Includes terms like SLOPED, AT, ADJUSTABLE, ABOVE FINISHED FLOOR, ALTERNATE, ARCHITECT, BOTTOM CHORD, BRACED FRAME, BUILDING, BEAM, BOTTOM OF DECK, BOTTOM OF STEEL, BASE PLATE, BEARING, CANTILEVER, CENTER TO CENTER, CONTROL JOINT, CENTER LINE, CEILING, CLEAR, CONCRETE MASONRY UNIT, COLUMN, CONCRETE, CONSTRUCTION, CONTINUOUS, COORDINATE, DIAMETER, DIMENSION, DOWN, DETAIL, DRAWING, EACH, EXTERIOR INSULATION & FINISHING SYSTEM, EXPANSION JOINT, ELEVATION, ENGINEER OF RECORD, EQUAL, EQUIPMENT, EACH WAY, END WALL TRUSS, EXISTING, EXTERIOR, FIELD DETERMINE, FOUNDATION, FINISHED FLOOR ELEVATION, FINISHED FLOOR LINE, FIELD MEASURE, FOOT/FEET, FOOTING, FIELD VERIFY, GAUGE, GENERAL CONTRACTOR, GENERAL, HEIGHT, HORIZONTAL, HEATING, VENTILATION & AIR CONDITIONING, INSIDE DIAMETER, INSULATION, INTERIOR, LONG, LOAD BEARING WALL, LARGE DIAMETER TAPCON, MAINTENANCE, MANUFACTURER, MAXIMUM, MECHANICAL, MEZZANINE, MINIMUM, MISCELLANEOUS, NOT APPLICABLE, NOT IN CONTRACT, NOT TO SCALE, ON CENTER, OUTSIDE DIAMETER, OUTSIDE FACE OF STUD, OVERHANG, OPPOSITE, POWER ACTUATED FASTENER, PLATE, PLUMBING, PANEL, PREFABRICATED, PRESSURE TREATED, RADI, REFLECTED CEILING PLAN, ROOF DRAIN, REINFORCE (D) (ING) (MENT), REQUIRED, REVISION, ROUGH OPENING, ROOF TOP UNIT, SCHEDULE, SHEET, SIMILAR, SOUTHERN PINE, SPECIFICATION, SQUARE, STAINLESS STEEL, STANDARD, STEEL, STRUCTURAL, SHEAR WALL, TOP CHORD, THICK, TRUSS BEARING, TO BE DETERMINED, TOP OF STEEL, TURN DOWN, TOP OF FOOTING, TOP OF MASONRY, TOP OF WALL, TOP OF PARAPET, TYPICAL, UNLESS NOTED OTHERWISE, VARIOUS, VERTICAL, WIDE, WORK POINT, WELDED WIRE FINISH, WITH.

Table titled 'COMPONENTS & CLADDING WIND PRESSURES (PSF)'. Columns: ZONE, 10, 20, 50, 100. Rows: ROOF, WALL/SOFRIT, BACK SIDE, FRONT SIDE, TOTAL (FRONT + BACK).



TYPICAL BUILDING WIND ZONES: FLAT ROOF (θ≤10°)

- NOTES:
1. "+" AND "-" SIGNS INDICATE WIND ACTING TOWARD OR AWAY FROM SURFACE, RESPECTIVELY.
2. PRESSURES SHOWN ARE ULTIMATE LEVEL (LRFD) LOADS.

Vertical sidebar containing project information: PROJECT NO. 0612001, DRAWING BY: CA, SCALE: As Indicated, DATE: 6/16/20, SHEET: 07. Includes logos for 'engineering consultant' (MH STRUCTURES) and 'general contractor' (BLACKWATER CONSTRUCTION). Contact information for both is provided, including addresses in Powder Springs, GA and Dallas, TX. A professional engineer seal for 'GEOFFREY S. HANNON' is also present.