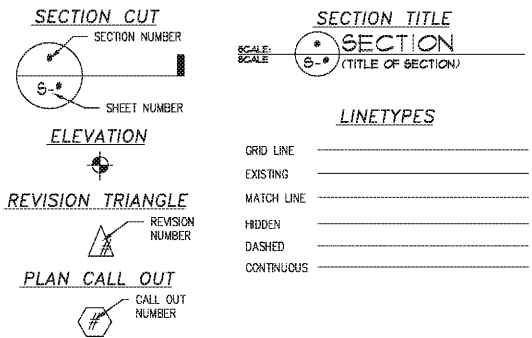


ABBREVIATIONS

Table of abbreviations categorized by letter (A through K), including terms like AAC, AB, ABC, etc.

SYMBOLS LEGEND

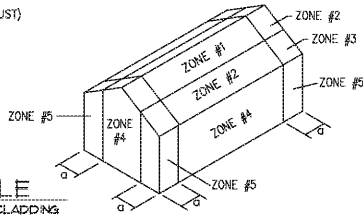


WIND PRESSURE/SUCTION ON WALL/ROOF (PSF)

Table showing wind pressure/suction values for different zones (1-5) and areas (10, 20, 50, 100 SF).

BUILDING CODE: 2018 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC) W/ 2020 GEORGIA AMENDMENTS

BASIC WIND SPEED: 110 (3-SECOND GUST) RISK CATEGORY: II EXPOSURE COEFFICIENT: B INTERNAL PRESSURE: ± 0.18



SCHEDULE (COMPONENTS & CLADDING WIND PRESSURES)

Table for PRE-ENGINEERED METAL BUILDING DESIGN BASIS, including roof live load, snow load, deflection, and notes.

SEE SHEET S-0.2 FOR WIND, SEISMIC, ICE, SNOW, RAIN, AND FLOOD RELATED CODE DATA

STRUCTURAL GENERAL NOTES

GENERAL THE GENERAL CONTRACTOR SHALL REVIEW AND DETERMINE THAT ALL DIMENSIONS ARE COORDINATED BETWEEN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO COMMENCING WITH THE FABRICATION OF MATERIALS OR THE START OF CONSTRUCTION.

ALL SECTIONS AND DETAILS SHALL BE CONSIDERED TO BE TYPICAL OR SIMILAR UNLESS ANOTHER SECTION OR DETAIL IS REFERENCED ON THE PLANS.

DESIGN CRITERIA ALL WORK SHALL BE DONE IN ACCORDANCE WITH, AT LEAST, THE MINIMUM REQ. OF THE GEORGIA STATE MINIMUM STANDARD CODES - EFFECTIVE JANUARY 1ST, 2018 (REFERENCE STANDARD - 2012 INTERNATIONAL BUILDING CODE (IBC)).

FOUNDATION DESIGN VALUES - SEE FOUNDATION PLAN. FOUNDATION DESIGN REACTIONS HAVE BEEN INDICATED IN THE DRAWINGS. IF REACTIONS ARE HIGHER NOTIFY ARCH/ENG IMMEDIATELY.

CONCRETE

Table of concrete properties including 28 DAY STRENGTH, SLUMP, and MAX AGGR. for various locations like FOUNDATION, SLAB-ON-GRADE, etc.

- 1. SLUMP FOR RAMPS AND SLOPING SURFACES SHALL NOT EXCEED 4". 2. SEE MASONRY GENERAL NOTES FOR GROUT TESTING REQUIREMENTS.

CONCRETE PROPERTIES SHALL BE VERIFIED THROUGH INDUSTRY STANDARD TESTING PROCEDURES BY A CERTIFIED TESTING AGENCY. MIN. TEST REQUIRED SHALL INCLUDE SLUMP AND CYLINDER BEAMS FOR COMPRESSIVE STRENGTH. FINDINGS SHALL BE RETAINED BY THE G.C. FOR REVIEW BY ARCH/ENGINEER IF NECESSARY.

CONCRETE MIX DESIGN SUBMITTALS SHALL MEET THE FOLLOWING CRITERIA:

- 1. EACH MIX DESIGN SHALL BE LABELED TO INDICATE THE AREA IN WHICH THE CONCRETE IS TO BE PLACED. G.C. SHALL REJECT SUBMITTALS WHICH FAIL TO MEET THIS CRITERIA. 2. PROPOSED MIX DESIGN SHALL BE ACCORDANCE WITH ACI 301 METHOD 1 OR METHOD 2. SUPPORTING DATA SHALL BE PROVIDED IN TABULAR FORM FOR EACH SEPARATE PROPOSED MIX. 3. ENTRAPPED AIR CONTENT SHALL NOT EXCEED 3%. 4. ADMIXTURES USED TO ENTRAIN AIR ARE NOT ACCEPTABLE.

SITE ADDED WATER IS NOT ACCEPTABLE. ADDING WATER TO THE MIX SHALL RESULT IN REJECTION OF THE RESULTS BY THE ENGINEER OF RECORD.

REINFORCING

ALL REINFORCING SHALL BE DOMESTICALLY PRODUCED WITH GRANT CONFORMING TO ASTM-615 FOR GRADE 60 STEEL AND WELDED WIRE FABRIC (W/F) TO ASTM A-185.

SPICES AND ANCHORS OF REINFORCING SHALL FOLLOW UNLESS OTHERWISE NOTED.

WELDED WIRE FABRIC: 36 BAR DIA (1/2" MIN) 48 BAR DIA (3/4" MIN)

REINFORCEMENT IN WALLS, FOOTINGS AND BEAMS SHALL BE CONTINUOUS AND LAPPED AS SPECIFIED ABOVE, UNLESS NOTED OTHERWISE. HOOK AND LAP ALL CORNER AND INTERSECTING BARS. (SEE REINF DEVELOPMENT DETAIL BLW)

REINFORCEMENT IN WALLS, FOOTINGS AND BEAMS SHALL BE CONTINUOUS AND LAPPED AS SPECIFIED ABOVE, UNLESS NOTED OTHERWISE. HOOK AND LAP ALL CORNER AND INTERSECTING BARS. (SEE REINF DEVELOPMENT DETAIL BLW)

MAXIMUM SPACING OF CONTROL JOINTS SHALL BE SHOWN IN THE TABLE BELOW. PATTERNS SHALL BE APPROXIMATELY 1/2" W/ RAINF LOGS SIDE TO SHORT SIDE NOT TO EXCEED 1.5 TO 1.0.

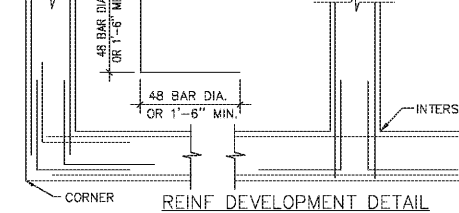
Table for SLAB THICKNESS (IN) vs SPACING (FT).

MIX DESIGN CONTAINING GREATER THAN 3/4" ARE NOT ACCEPTABLE. CUT SLAB AS BEING AS REQUIRED DOES NOT DISLODGE (MUST BE WITHIN THE SAME DAY AS THE CONC. WAS PLACED).

CARE SHALL BE TAKEN BY THE GENERAL CONTRACTOR WHEN DETERMINING THE LOCATION OF BARS AND C/S TO ENSURE SLAB JOINTS DOES NOT READ THROUGH THE ARCHITECTURAL FINISHES.

WAREHOUSE SLABS SHALL BE POWER-TROWELLED TO A HARD, SMOOTH BURNISHED FINISH. THE FINAL TROWEL PASS SHALL BE DONE BY MACHINE - NOT BY HAND. WITHIN 30 MINUTES OF THE FINAL TROWEL PASS, THE FLOOR SHALL BE CURED WITH EUCLID'S SUPER REZ-SEAL UNAPPROVED EQUAL.

SLAB THICKNESS SHALL BE INCREASED AS REQUIRED TO PROVIDE ADEQUATE SUPPORT FOR CRANE LOADS WITHOUT CRACKING SLAB.



- COVER FOR REINFORCING SHALL BE AS FOLLOWS: a. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3" b. CONCRETE EXPOSED TO EARTH OR WEATHER: #5 BHRU #18 BARS #5 BAR, W31 OR D31 WIRE AND SMALLER 1 1/2" c. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: SLABS, WALLS, JOISTS: #14 AND #18 BARS 1 1/2" #11 BAR AND SMALLER 3/4"

PRE-ENGINEERED BUILDING A CERTIFIED TESTING AGENCY SHALL BE ENGAGED TO PERFORM INDUSTRY STANDARD INSPECTIONS TO ENSURE CONFORMANCE WITH PLANS AND SPECIFICATIONS (IF PROVIDED). SUBMIT REPORTS TO ARCHITECT AND ENGINEER.

ALL STRUCTURAL STEEL SHALL BE ASTM A36 UNLESS NOTED OTHERWISE.

ENGINEER OF RECORD REQUIRES STRUCTURAL SUBMITTALS FOR REVIEW AS AN INDICATION THAT INTENT HAS BEEN UNDERSTOOD AND THAT SPECIFIED CRITERIA HAVE BEEN USED. STRUCTURAL SUBMITTALS SHALL BEAR THE IMPRESSED SEAL AND SIGNATURE OF THE SPECIALTY ENGINEER LICENSED TO PRACTICE IN PROJECT STATE.

STRUCTURAL SUBMITTALS SHALL IDENTIFY THE PROJECT AND LIST LOADING AND OTHER DESIGN CRITERIA. FABRICATION AND ERECTION DRAWINGS SHALL INDICATE IN DETAIL THE CONSTRUCTION OF THE STANDARD STRUCTURE USED OR AS MODIFIED TO COMPLY WITH THE REQUIREMENTS OF THE PARTICULAR PROJECT. THEY SHALL INDICATE ALL CONNECTION DETAILS, OPENINGS AND OTHER SPECIAL DETAILS. THEY SHALL SHOW THE MAGNITUDE AND LOCATION OF BUILDING REACTIONS ON THE FOUNDATION UNDER ALL DESIGN CONDITIONS. CALCULATIONS SUPPORTING THE DESIGN SHALL BE SUBMITTED NOT ONLY FOR THE STANDARD STRUCTURE BUT FOR MODIFICATIONS AND FOR RELATED COMPONENTS REQUIRING STRUCTURAL DESIGN.

ANCHOR BOLT DIAMETER SHALL BE DETERMINED BY METAL BUILDING MANUFACTURER. LENGTH AND TYPE OF BOLT REQUIRED TO TRANSMIT LOADS TO FOUNDATION SHALL BE BY ENGINEER OF RECORD.

ALL ANCHOR BOLTS SHALL BE SET A MINIMUM OF 4" FROM ALL EDGES OF CONCRETE.

FOUNDATION DESIGN REACTIONS HAVE BEEN INDICATED IN THE DRAWINGS. IF REACTIONS ARE HIGHER NOTIFY ARCH/ENG IMMEDIATELY.

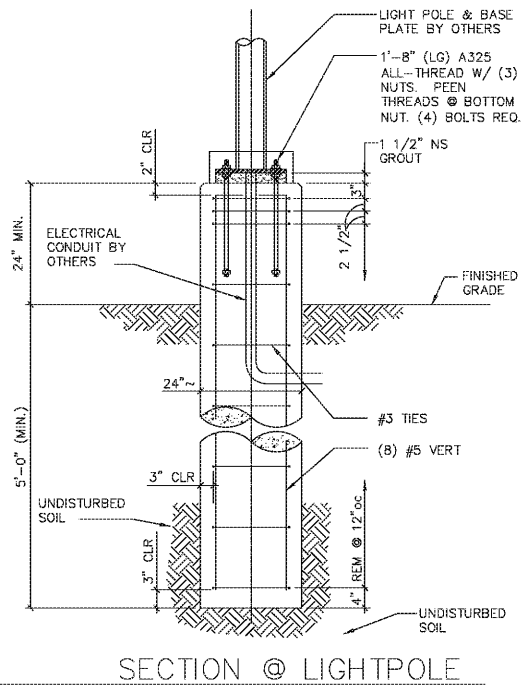
ALL COLUMN BASES ARE DESIGNED AS "PIN" CONNECTED. NO MOMENT CONNECTED BASES ARE ALLOWED.

ROOF PURLINS SHALL BE BRACED AT TOP & BOTTOM CHORDS AT THRD POINTS, MINIMUM AND IN ACCORDANCE W/ A.I.S.I. ROOFING SHEETS SHALL NOT BE CONSIDERED AS ACCEPTABLE FOR TOP CHORD BRACING, UNLESS DOCUMENTATION IS PROVIDED OTHERWISE.

NO FABRICATION SHALL BEGIN UNTIL METAL BUILDING MANUFACTURER RECEIVES REVIEWED, APPROVED SUBMITTALS FROM THE ENGINEER.

GRIND SLAB SMOOTH OF ANY IRREGULARITIES PRIOR TO PLACING FRAMING.

WHERE CLEAR SPAN FRAME BRACES AN EXTERIOR HARD WALL (I.E. CMU OR TILT-UP PANEL) ATTACHMENT TO WALL SHALL BE MADE AFTER DEAD LOAD IS APPLIED.



DESIGNER DESIGN INTENTION: THE DESIGN BASIS FOR THESE DOCUMENTS WERE BASED ON THE STANDARD PROTOTYPE DRAWINGS PROVIDED BY DG BY DOLLAR GENERAL THROUGH THEIR OWNERS REPRESENTATIVE. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS PRIOR TO COMMENCING WITH ANY SITE WORK. MATERIAL, FOUNDATIONS, BUILDING FABRICATION, ETC. ANY DISCREPANCIES BETWEEN THESE DOCUMENTS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO ANY NEW WORK BEING DONE. ANY REQUIRED ENGINEERING CHANGES TO MATCH THE EXISTING SITE CONDITIONS SHALL BE TREATED AS ADDITIONAL SERVICES.

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DOLLAR GENERAL BUILDING Prototype 9100 SF E Store # 22323

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CONSTRUCTION DOCUMENTS

PROJECT NO.: 8095.89 ISSUED: 07/21/2020

STRUCTURAL GENERAL NOTES

S0.1