

GENERAL NOTES:

GENERAL

- 1. THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PROJECT INFORMATION FOR THE PLAN READERS' CONVENIENCE...
2. ALL REFERENCES TO STANDARDS HEREIN ARE TO MOST RECENT ISSUE IN EFFECT AS OF THE DATE OF THESE DOCUMENTS...
3. DESIGN BASIS: 2012 INTERNATIONAL BUILDING CODE (IBC)
A. GENERAL
a. RISK CATEGORY = IV
B. WIND:
ULTIMATE DESIGN WIND SPEED = 120 MPH
WIND EXPOSURE CATEGORY = B
INTERNAL PRESSURE COEFFICIENT = 0.18 +/- (ENCLOSED BUILDING)
COMPONENT & CLADDING DESIGN PRESSURE - SEE DIAGRAMS
C. SEISMIC:
SEISMIC IMPORTANCE FACTOR Ie = 1.5
MAPPED SPECTRAL RESPONSE ACCEL. (SHORT PERIODS) Ss = 0.28
MAPPED SPECTRAL RESPONSE ACCEL. (1 SECOND PERIOD) S1 = 0.11
SITE CLASS = D
SPECTRAL RESPONSE COEFFICIENT (SHORT PERIODS) SDS = 0.29
SPECTRAL RESPONSE COEFFICIENT (1 SECOND PERIOD) SD1 = 0.17
SEISMIC DESIGN CATEGORY = D
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
APPARATUS BAY
BASIC SEISMIC FORCE RESISTING SYSTEM - SPECIAL REINFORCED MASONRY SHEAR WALLS
RESPONSE MODIFICATION FACTOR R = 5.0
SEISMIC RESPONSE COEFFICIENT Cs = 0.10
DESIGN BASE SHEAR = 155K
OFFICE / RESIDENCE BAY
BASIC SEISMIC FORCE RESISTING SYSTEM - LIGHT GAGE SHEAR WALLS WITH STRUCTURAL SHEATHING
RESPONSE MODIFICATION FACTOR R = 6.5
SEISMIC RESPONSE COEFFICIENT Cs = 0.07
DESIGN BASE SHEAR = 15K
D. LIVE LOADS:
ROOF: 20 psf
OFFICE / RESIDENCE FLOOR: 100 psf
APPARATUS BAY FLOOR: 100 psf
E. SNOW LOAD
GROUND: 5 psf

Table with 4 columns: ABBREVIATIONS, FIN, FINISH, REINF, REINFORCING. Rows include TOP (BAR), BOTTOM (BAR), INTERIOR, EXTERIOR, etc.

- 5. UNLESS OTHERWISE NOTED, REQUIREMENTS GIVEN FOR ONE LOCATION ALSO APPLY AT OTHER LOCATIONS AT WHICH CONDITIONS ARE SIMILAR...
6. COORDINATE WORK OF OTHER TRADES SHOWN ON DRAWINGS OR INDICATED IN SPECIFICATIONS WITH STRUCTURAL WORK...
7. SHOP DRAWINGS FOR ANY PART OF THE STRUCTURAL WORK SHALL SHOW THE INTERFACE WITH OTHER RELATED TRADES...
8. THE DESIGN OF THE STRUCTURE SHOWN IS BASED ON INTERACTION OF VARIOUS CONNECTED PARTS AND THE DESIGN LOADS NOTED ABOVE...

EARTHWORK/FOUNDATION

- 1. FOUNDATION DESIGN BASIS: PENDING. PRELIMINARY ALLOWABLE BEARING CAPACITY IS 1,500 PSF, MAXIMUM.
2. NO BLASTING WILL BE ALLOWED.
3. CONTROL OF GROUND WATER, IF REQUIRED, SHALL BE ACCOMPLISHED IN A MANNER THAT WILL PRESERVE THE STRENGTH OF THE FOUNDATION SOILS...
4. COORDINATE FOUNDATION WORK WITH ALL OTHER TRADES.
5. PIPES AND OTHER WORK WHICH REQUIRE EXCAVATING OR TRENCHING ADJACENT TO COLUMN FOOTINGS OR PARALLEL TO WALL FOOTINGS...
6. EXCAVATIONS FOR FOOTINGS, GRADE BEAMS, MATS AND OTHER FOUNDATIONS BUILT NEXT TO OR AROUND EXISTING FOUNDATIONS...
7. ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS INCLUDING ELEVATION, SIZE AND THICKNESS OF FOUNDATIONS...
8. STRUCTURAL FILL SHALL BE PLACED IN LIFTS NO MORE THAN 8" THICK WITH A COMPACTION OF 95% STANDARD PROCTOR...

CONCRETE

- 1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 318-11, DIVISION 3 OF THE SPECIFICATIONS, AND THE FOLLOWING:
A. CONCRETE STRENGTHS AND MIXES SHALL BE AS FOLLOWS:
Table with columns: STRENGTH(PSI), AIR(%), CEMENT(# MIN), W/C RATIO SLUMP, AGGREGATE(MAX.), LOCATION
B. FLY ASH PER ASTM C618, TYPE C OR F WILL BE PERMITTED PROVIDED THE FOLLOWING LIMITS ARE MET:
2. CEMENT SHALL BE REPLACED BY FLY ASH AT THE RATE OF 1.25 LBS. OF FLY ASH TO 1.0 LBS OF CEMENT.
C. ALL CONCRETE DELIVERED TO THE SITE SHALL HAVE A COMPUTER BATCH WEIGHT TICKET...
D. CONSOLIDATE ALL CONCRETE IN FORMS AND TRENCHES WITH VIBRATORS...

CONCRETE REINFORCING

- A. ALL REINFORCING SHALL BE PER ASTM A-615, GRADE 60.
B. WELDING OF REINFORCING STEEL IS NOT PERMITTED.
C. REINFORCING SHALL NOT BE HEATED TO BEND.
D. WELDED WIRE FABRIC SHALL BE PER ASTM A-185.

SUBMITTALS

- A. CONCRETE MIX DESIGNS, SHOP DRAWINGS FOR CONCRETE REINFORCING, EMBEDDED ITEMS, ACCESSORIES; AND PRODUCT DATA, ETC. AS OUTLINED IN THE SPECIFICATIONS SHALL BE PROVIDED TO THE OWNERS REPRESENTATIVE AT LEAST 15 DAYS PRIOR TO THE START OF WORK FOR APPROVAL.
B. ALL DATA SHALL BE SUBMITTED "CONTRACTOR APPROVED".
4. NOTIFICATIONS: THE CONTRACTOR SHALL NOTIFY THE OWNER.
A. WHEN EXCAVATION TO REQUIRED SUBGRADE ELEVATIONS IS REACHED.
B. 24 HOURS PRIOR TO ANY SCHEDULED CONCRETE PLACEMENT FOR INSPECTION OF FORMWORK, REINFORCING AND EMBEDDED ITEMS.

LIGHT GAUGE STEEL

- 1. FURNISH AND INSTALL ALL PRE-ENGINEERED LIGHT GAUGE METAL FRAMING AS SHOWN ON THE DRAWINGS AND SPECIFIED...
2. FURNISH AND INSTALL ALL PRE-ENGINEERED LIGHT GAUGE METAL TRUSSES WHICH INCLUDES ALL STRUCTURAL UNITS...
3. LIGHT GAUGE METAL FRAMING AND TRUSSES SHALL BE FABRICATED AND ERRECTED IN ACCORDANCE WITH THE FOLLOWING:
A. AMERICAN IRON AND STEEL INDUSTRIES: SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS.
B. AMERICAN SOCIETY OF TESTING MATERIALS: ASTM A446: "SPECIFICATION FOR STEEL SHEET, ZINC COATED BY GALVANIZING BY THE HOT-DIP PROCESS...
4. TRUSSES SHALL BE FABRICATED AND ERRECTED BY A FIRM WHICH HAS A RECORD INCLUDING A MINIMUM OF FIVE (5) YEARS OF SUCCESSFUL CONTRACTIVE PERFORMANCE...
5. SUBMIT FABRICATOR'S TECHNICAL DATA COVERING MATERIALS, SHAPES, HARDWARE, FABRICATION PROCESS, HANDLING, ERECTION...
6. SUBMIT SHOP DRAWINGS SHOWING SHAPES AND DIMENSIONS OF MEMBERS TO BE USED INCLUDING PITCH, SPAN, BRACING, CONNECTION AND SPACING FOR EACH TYPE OF CONFIGURATION OF TRUSS...
7. HANDLE AND STORE LIGHT GAUGE MATERIALS AND ACCESSORIES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS...
8. FRAMING COMPONENTS SHALL BE FASTENED TO EACH OTHER BY WELDING, BOLTING, OR SCREWING...
9. PREFABRICATED TRUSSES SHALL BE BRACED AGAINST RACKING...
10. ALL LIGHT GAUGE STEEL FRAMING SHALL BE ERRECTED BY APPROVED METHODS...
11. ALL WORK SHALL BE ERRECTED PLUMB AND LEVEL AND TO DIMENSIONS, SPACINGS AND ELEVATIONS INDICATED ON DRAWINGS.
12. MEMBERS SHALL BE OF SIZE AND SPACING SHOWN ON THE DRAWINGS.
13. PROVIDE TEMPORARY BRACING AS REQUIRED TO MAINTAIN TRUSSES PLUMB, PARALLEL AND IN LOCATION INDICATED...
14. ANCHOR TRUSSES SECURELY AT ALL BRACING POINTS...

MASONRY WALL REINFORCING/JOINTS

- 1. THE REINFORCING, JOINTS AND CRITERIA DESCRIBED IN THE FOLLOWING GENERAL NOTES ARE REQUIRED AS A MINIMUM FOR ALL RUNNING BOND MASONRY WALLS...
2. VERTICAL REINFORCING (RUNNING BOND):
A. PROVIDE REINFORCING STEEL IN A CONCRETE FILLED CELL CONTINUOUS FROM FOOTING INTO BOND BEAM...
B. VERTICAL BAR SPLICES SHALL HAVE A MINIMUM LAP AS NOTED IN THE TABLE BELOW
Table: MASONRY REINFORCING LAP LENGTHS
C. VERTICAL FILLED CELLS SHALL BE FILLED WITH CONCRETE IN 4'-0" MAX LIFTS.
3. HORIZONTAL REINFORCING (RUNNING BOND):
A. PROVIDE HORIZONTAL JOINT REINFORCING AS NOTED IN THE TABLE BELOW:
Table: HORIZONTAL FOR SEISMIC DESIGN CATEGORY D

Table: MASONRY REINFORCING LAP LENGTHS. Columns: BAR, #3, #4, #5, #6, #7, #8, #9. Rows: LENGTH (18", 24", 30", 36", 42", 48", 54")

- C. VERTICAL FILLED CELLS SHALL BE FILLED WITH CONCRETE IN 4'-0" MAX LIFTS.
A. PROVIDE HORIZONTAL JOINT REINFORCING AS NOTED IN THE TABLE BELOW:
Table: HORIZONTAL FOR SEISMIC DESIGN CATEGORY D

Table: HORIZONTAL FOR SEISMIC DESIGN CATEGORY D. Columns: WALL WIDTH, NON-LOAD BEARING WALLS, LOAD BEARING WALLS. Rows: 8", 12"

- B. PROVIDE CONCRETE FILLED BOND BEAM WITH 2 - REBARS CONTINUOUS THROUGH WALLS...
C. PROVIDE CONCRETE FILLED COURSE WITH 2 REBAR AT DOOR AND WINDOW HEADS...
4. CONTROL JOINTS:
A. CONTROL JOINTS SHALL BE LOCATED IN WALLS AT THE FOLLOWING LOCATIONS:
B. MASONRY WALL CONTROL JOINTS: ALL HORIZONTAL JOINT REINFORCING SHALL TERMINATE AT THE CONTROL JOINT...
C. IF CONTROL JOINTS ARE NOT SHOWN ON THE DRAWINGS...
5. ISOLATION JOINTS SHALL BE LOCATED WHERE NON-LOAD BEARING WALLS ABUT LOAD BEARING WALLS OR SHEAR WALLS.
6. WALL BRACING:
A. ALL NON-LOAD BEARING MASONRY WALLS...
ELEVATED METAL DECK

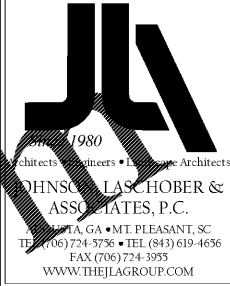
- 1. UNLESS NOTED OTHERWISE, THESE METAL DECK NOTES APPLY TO NON-COMPOSITE AND COMPOSITE METAL FLOOR DECKING...
2. INSTALLATION OF ELEVATED METAL DECK SHALL BE IN ACCORDANCE WITH DIVISION 5 OF THE SPECIFICATIONS...
3. STEEL DECK SHALL BE MANUFACTURED AND ERRECTED IN ACCORDANCE WITH THE STEEL DECK INSTITUTE...
4. CONTRACTOR SHALL PROVIDE ACCESSORIES REQUIRED TO COMPLETE THE METAL DECK...
5. UNLESS NOTED OTHERWISE ON THE DESIGN DRAWINGS...
6. METAL DECK ENDS WHICH ABUT A CONCRETE OR CMU WALL...
7. UNLESS NOTED OTHERWISE ON THE DESIGN DRAWINGS...
8. METAL DECKING SHALL BE CONNECTED AT ITS SIDE LAPS...
9. EXACT LOCATION AND SIZES OF PENETRATIONS THROUGH FLOORS AND ROOFS...
10. ALL HVAC EQUIPMENT (FANS, ETC.) SHALL BE SUPPORTED BY STRUCTURAL STEEL FRAMING...
11. SUBMITTALS
A. SHOP DRAWINGS AND MATERIAL SUBMITTALS SHALL BE REQUIRED FOR ELEVATED STEEL DECK...
B. ALL DATA SHALL BE SUBMITTED "CONTRACTOR APPROVED".

STRUCTURAL STEEL

- 1. INSTALLATION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH DIVISION 5 OF THE SPECIFICATIONS AND THE FOLLOWING:
2. STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE FABRICATED AND ERRECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION...
3. STEEL FABRICATOR SHALL PARTICIPATE IN THE AISC QUALITY CERTIFICATION PROGRAM...
4. UNLESS NOTED OTHERWISE STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING:
5. UNLESS NOTED OTHERWISE BOLTED CONNECTIONS SHALL CONFORM TO THE FOLLOWING:
6. UNLESS NOTED OTHERWISE ON THE DESIGN DRAWINGS...
7. MINIMUM SIZE WELD SHALL BE 1/4" PLENUM WITH E70XX ELECTRODES...
8. MINIMUM MATERIAL THICKNESS SHALL NOT BE LESS THAN 3/8" FOR MISCELLANEOUS PLATES...
9. DESIGN AND INSTALL JUST VARIOUS MEMBERS THAT FORM PART OF A STEEL STRUCTURE...
10. CLEAN AND REPAIR FINISHES DAMAGED DURING ERECTION.
11. DO NOT USE THERMAL CUTTING DURING ERECTION...
12. CLEAN AND REPAIR FINISHES DAMAGED DURING ERECTION.
17. SUBMITTALS
A. SHOP DRAWINGS AND MATERIAL SUBMITTALS SHALL BE REQUIRED FOR STRUCTURAL AND MISCELLANEOUS STEEL...
B. ALL DATA SHALL BE SUBMITTED "CONTRACTOR APPROVED".
STEEL JOISTS
1. INSTALLATION OF OPEN WEB STEEL JOISTS SHALL BE IN ACCORDANCE WITH DIVISION 5 OF THE SPECIFICATIONS...
2. OPEN WEB STEEL JOISTS SHALL CONFORM TO THE STEEL JOIST INSTITUTE...
3. SIZE OF JOISTS INDICATED ON FRAMING PLANS ARE DETERMINED FROM...
4. JOIST MANUFACTURER SHALL DESIGN AND FABRICATE JOISTS...
5. ROOF JOISTS SHALL BE DESIGNED FOR A NET UPLIFT PRESSURE...
6. PROVIDE SPECIAL SLOPED BEARING SEATS...
7. JOISTS SHALL BE REINFORCED WITH 2 - 1/2 x 1/2 x 3/16 AT ALL LOCATIONS...
8. SUBMITTALS
A. SHOP DRAWINGS AND MATERIAL SUBMITTALS SHALL BE REQUIRED FOR OPEN WEB JOISTS...
B. ALL DATA SHALL BE SUBMITTED "CONTRACTOR APPROVED".

LOAD-BEARING METAL STUD NOTES:

- 1. UNLESS NOTED OTHERWISE, ALL STUDS SHALL BE EQUAL TO A MINIMUM OF 18 GA...
2. MINIMUM YIELD STRENGTH (Fy) FOR STUDS IS 33,000 p.s.i...
3. ALL STUDS, TRACK, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL...
4. STUDS SHALL HAVE FULL BEARING AGAINST THE INSIDE TRACK WEB...
5. BRIDGING IS TO BE SPACED AT NO MORE THAN 4'-0" O.C. VERTICALLY.
6. MINIMUM TRACK FASTENING SHALL BE 0.177" DIAMETER...
7. VOIDS BENEATH TRACK SHALL NOT BE PERMITTED...
8. CONTINUOUS STUDS EACH SIDE OF HEADERS SHALL BE EQUAL TO 1/2 OF THE INTERRUPTED STUDS...
9. CUTTING OF LOAD-BEARING METAL STUDS IS NOT PERMITTED WITHOUT SPECIFIC APPROVAL...



AUGUSTA, GA
535 TELFAIR STREET, AUGUSTA, GA 30901
PROJECT NAME:
PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

CLIENT:
PROJECT NAME:
PROJECT LOCATION:

Table with columns: O, 12/21/18, MWL, ISSUED FOR BID, REV, DATE, BY, DESCRIPTION

PROJECT NO. 3042.1604
DRAWN BY: CB
CHECKED BY: MWL
DATE: 10/08/18

GENERAL NOTES

SCALE AS NOTED
DRAWING NO. S-001
REV. 0

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